

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061219\
 Data File : BF114979.D
 Acq On : 12 Jun 2019 17:17
 Operator : HP/JU
 Sample : K2241-02
 Misc : L00-SOIL-20PPM
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT2-2019

Manual Integrations
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mohammad
 6/14/2019 8:46:30 AM

Quant Time: Jun 13 11:07:18 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 13 10:54:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.65	152	274951	20.00	ng	0.00
21) Naphthalene-d8	7.93	136	1101808	20.00	ng	0.00
39) Acenaphthene-d10	9.67	164	533983	20.00	ng	0.00
64) Phenanthrene-d10	11.15	188	1055296	20.00	ng	0.00
76) Chrysene-d12	13.77	240	717388	20.00	ng	0.00
87) Perylene-d12	15.15	264	701847	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.25	112	1284632	78.02	ng	0.00
7) Phenol-d6	6.29	99	1628753	82.00	ng	0.00
23) Nitrobenzene-d5	7.21	82	917843	50.14	ng	0.00
42) 2,4,6-Tribromophenol	10.46	330	462889	80.95	ng	0.00
45) 2-Fluorobiphenyl	9.00	172	1789804	56.81	ng	0.00
79) Terphenyl-d14	12.73	244	1954884	51.25	ng	0.00

Target Compounds				Qvalue		
2) 1,4-Dioxane	2.28	88	144620	18.763	ng	100
3) Pyridine	2.96	79	349807	16.120	ng	99
4) n-Nitrosodimethylamine	2.88	42	138205	17.939	ng	99
6) Aniline	6.31	93	505303	18.996	ng	# 85
8) 2-Chlorophenol	6.43	128	369654	19.798	ng	99
9) Benzaldehyde	6.19	77	289086	25.316	ng	96
10) Phenol	6.30	94	441171	19.852	ng	92
11) bis(2-Chloroethyl)ether	6.39	93	330445	19.158	ng	100
12) 1,3-Dichlorobenzene	6.59	146	416134	19.081	ng	99
13) 1,4-Dichlorobenzene	6.66	146	416452	18.994	ng	100
14) 1,2-Dichlorobenzene	6.82	146	396508	19.209	ng	98
15) Benzyl Alcohol	6.79	79	297535	19.993	ng	99
16) 2,2'-oxybis(1-Chloropropan	6.93	45	443784	19.223	ng	98
17) 2-Methylphenol	6.91	107	300247	19.279	ng	98
18) Hexachloroethane	7.16	117	143754	18.155	ng	95
19) n-Nitroso-di-n-propylamine	7.06	70	235945	19.551	ng	95
20) 3+4-Methylphenols	7.06	107	371452m	20.041	ng	
22) Acetophenone	7.06	105	529270	21.221	ng	96
24) Nitrobenzene	7.23	77	369153	19.821	ng	93
25) Isophorone	7.47	82	662164	19.314	ng	99
26) 2-Nitrophenol	7.55	139	204245	19.675	ng	99
27) 2,4-Dimethylphenol	7.59	122	315094	21.041	ng	99
28) bis(2-Chloroethoxy)methane	7.69	93	418030	19.005	ng	99
29) 2,4-Dichlorophenol	7.79	162	318233	20.116	ng	97
30) 1,2,4-Trichlorobenzene	7.87	180	353932	19.362	ng	99
31) Naphthalene	7.95	128	1101308	21.126	ng	98
32) Benzoic acid	7.70	122	189519	17.491	ng	99
33) 4-Chloroaniline	8.00	127	468276	19.460	ng	99
34) Hexachlorobutadiene	8.07	225	190289	18.728	ng	99
35) Caprolactam	8.36	113	103781	19.696	ng	97
36) 4-Chloro-3-methylphenol	8.49	107	318930	20.005	ng	99
37) 2-Methylnaphthalene	8.64	142	740929	21.309	ng	98
38) 1-Methylnaphthalene	8.74	142	696213	21.186	ng	99
40) 1,2,4,5-Tetrachlorobenzene	8.81	216	337711	21.407	ng	99

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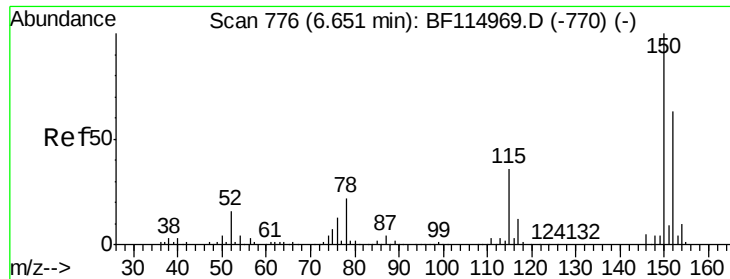
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.80	237	131249	16.884	nq	99
43) 2,4,6-Trichlorophenol	8.92	196	224772	19.076	nq	99
44) 2,4,5-Trichlorophenol	8.96	196	240894	20.230	nq	99
46) 1,1'-Biphenyl	9.10	154	920519	21.512	nq	98
47) 2-Chloronaphthalene	9.13	162	698054	20.174	nq	97
48) 2-Nitroaniline	9.22	65	190054	18.583	nq	91
49) Acenaphthylene	9.54	152	1094578	20.574	nq	98
50) Dimethylphthalate	9.40	163	788080	19.625	nq	99
51) 2,6-Dinitrotoluene	9.46	165	180205	19.783	nq	93
52) Acenaphthene	9.71	154	627818	20.626	nq	97
53) 3-Nitroaniline	9.63	138	203472	18.231	nq	99
54) 2,4-Dinitrophenol	9.73	184	77501	17.540	nq	90
55) Dibenzofuran	9.88	168	957050	20.863	nq	97
56) 4-Nitrophenol	9.79	139	148581	19.305	nq	99
57) 2,4-Dinitrotoluene	9.86	165	241519	20.831	nq	98
58) Fluorene	10.22	166	709712	21.152	nq	98
59) 2,3,4,6-Tetrachlorophenol	10.00	232	194886	20.261	nq	99
60) Diethylphthalate	10.10	149	769892	20.051	nq	99
61) 4-Chlorophenyl-phenylether	10.22	204	341810	20.639	nq	98
62) 4-Nitroaniline	10.23	138	206876	18.436	nq	98
63) Azobenzene	10.37	77	705557	21.004	nq	98
65) 4,6-Dinitro-2-methylphenol	10.27	198	107983	18.257	nq	98
66) n-Nitrosodiphenylamine	10.33	169	649833	20.600	nq	100
67) 4-Bromophenyl-phenylether	10.70	248	220877	19.493	nq	98
68) Hexachlorobenzene	10.77	284	241408	19.352	nq	97
69) Atrazine	10.86	200	199740	19.639	nq	98
70) Pentachlorophenol	10.96	266	124588	18.391	nq	99
71) Phenanthrene	11.17	178	1120868	20.571	nq	98
72) Anthracene	11.23	178	1144914	20.829	nq	98
73) Carbazole	11.38	167	1020306	21.266	nq	97
74) Di-n-butylphthalate	11.72	149	1192471	19.715	nq	99
75) Fluoranthene	12.36	202	1159380	20.809	nq	98
77) Benzidine	12.47	184	517353	17.830	nq	99
78) Pyrene	12.58	202	1173402	17.955	nq	98
80) Butylbenzylphthalate	13.21	149	521674	17.090	nq	99
81) Benzo(a)anthracene	13.76	228	988313	18.410	nq	98
82) 3,3'-Dichlorobenzidine	13.73	252	391709	19.032	nq	# 98
83) Chrysene	13.80	228	993337	18.608	nq	98
84) Bis(2-ethylhexyl)phthalate	13.77	149	649923	18.015	nq	98
85) Di-n-octyl phthalate	14.38	149	1151525	18.535	nq	99
86) Indeno(1,2,3-cd)pyrene	16.44	276	798006	17.018	nq	99
88) Benzo(b)fluoranthene	14.77	252	908153	19.465	nq	100
89) Benzo(k)fluoranthene	14.80	252	883344	21.570	nq	98
90) Benzo(a)pyrene	15.09	252	829614	20.607	nq	99
91) Dibenzo(a,h)anthracene	16.46	278	671918	19.380	nq	99
92) Benzo(g,h,i)perylene	16.83	276	661053	18.695	nq	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

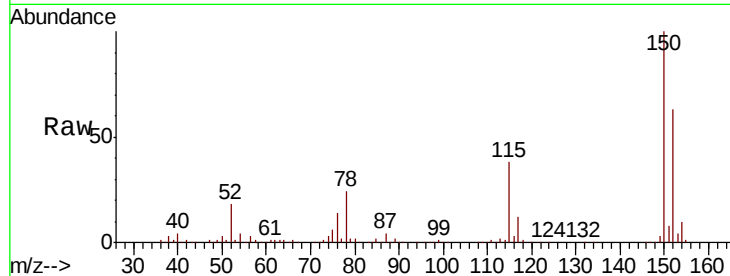
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.65 min Scan# 775
Delta R.T. -0.01 min
Lab File: BF114979.D
Acq: 12 Jun 2019 17:17

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2019

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.9	127.4	191.0
115	60.6	46.0	69.0

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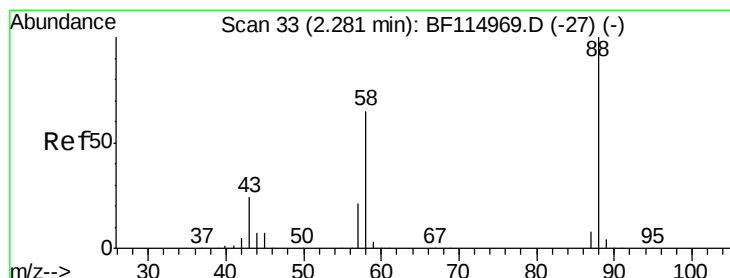
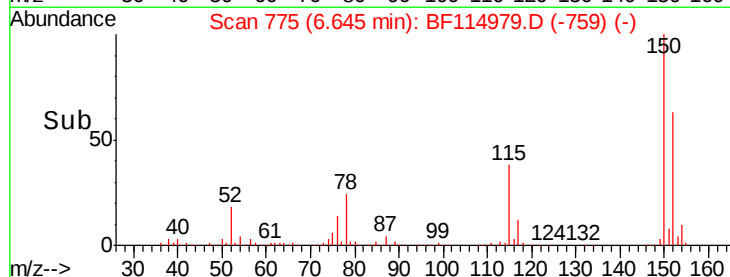
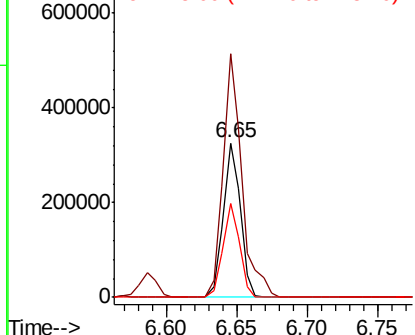


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

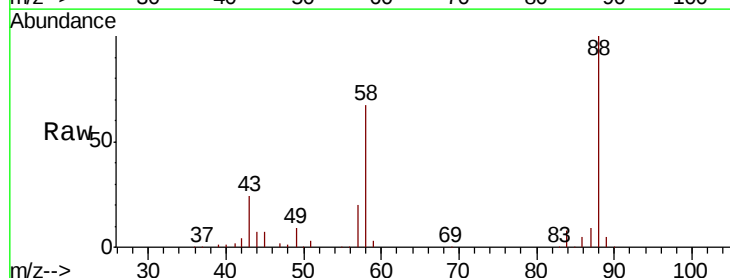
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane
Concen: 18.763 ng
RT: 2.28 min Scan# 32
Delta R.T. -0.01 min
Lab File: BF114979.D
Acq: 12 Jun 2019 17:17

Tgt Ion	Ratio	Lower	Upper
88	100		
58	66.9	53.4	80.2
43	25.3	19.7	29.5

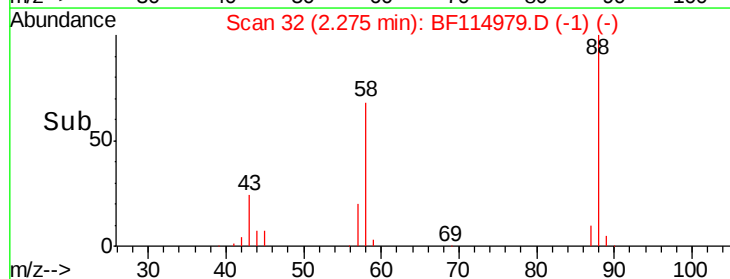
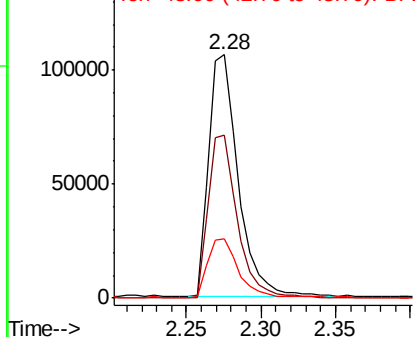


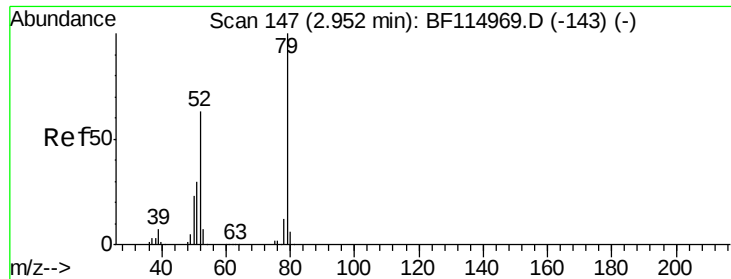
Abundance

Ion 88.00 (87.70 to 88.70): BF1

Ion 58.00 (57.70 to 58.70): BF1

Ion 43.00 (42.70 to 43.70): BF1





#3

Pvridine

Concen: 16.120 ng

RT: 2.96 min Scan# 149

Delta R.T. 0.01 min

Lab File: BF114979.D

Acq: 12 Jun 2019 17:17

Instrument :

BNA_F

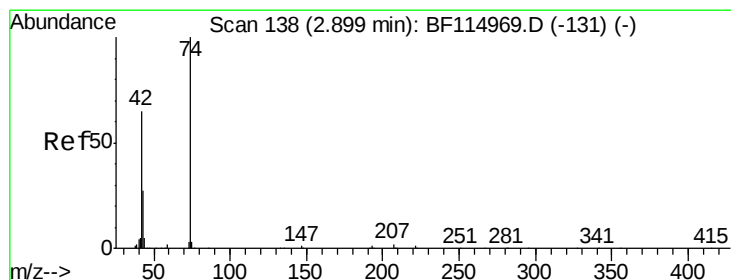
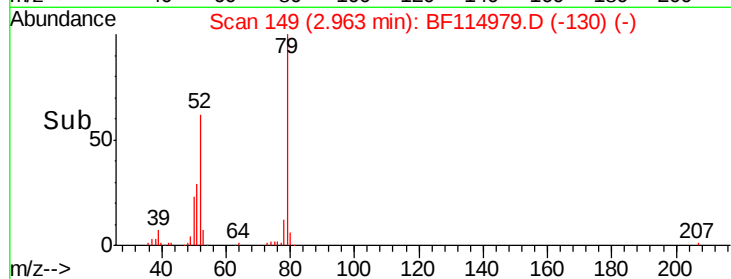
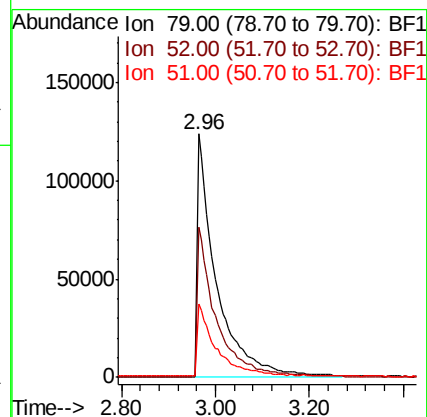
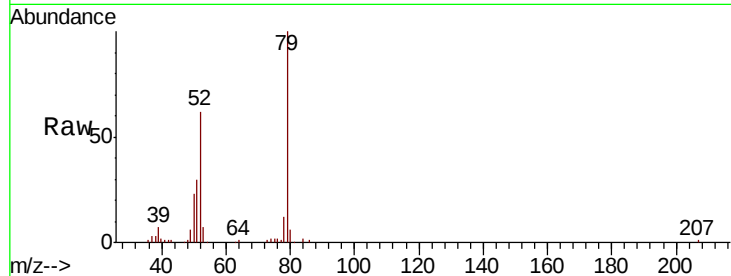
ClientSampleId :

LOQ-SOIL-02-QT2-2019

Tot Ion:	79	Resp:	349807
Ion Ratio	Lower	Upper	
79	100		
52	61.9	50.3	75.5
51	30.0	24.4	36.6

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#4

n-Nitrosodimethylamine

Concen: 17.939 ng

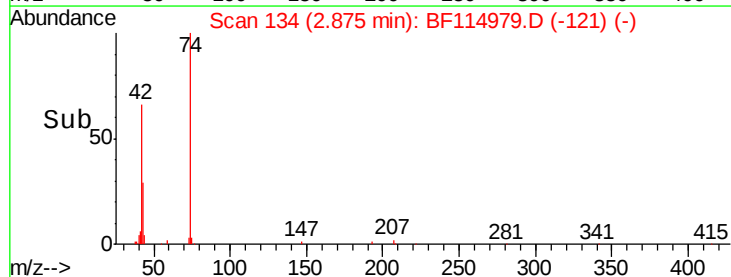
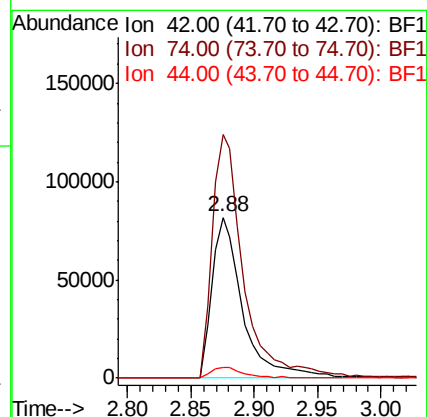
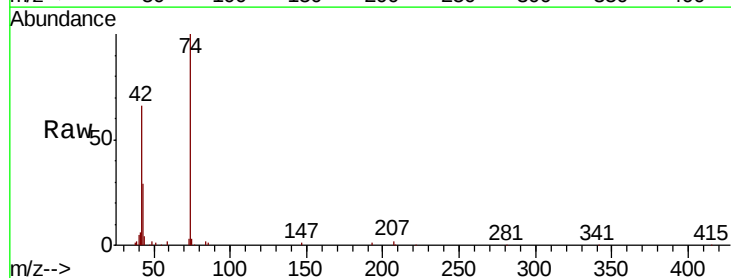
RT: 2.88 min Scan# 134

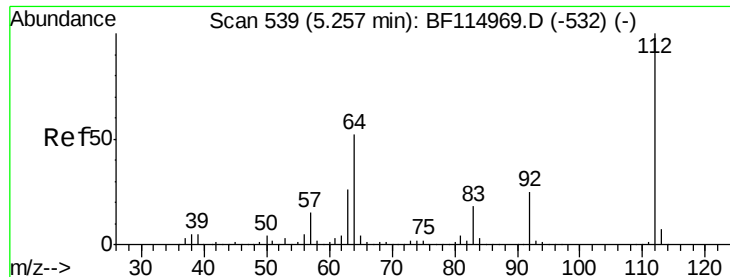
Delta R.T. -0.02 min

Lab File: BF114979.D

Acq: 12 Jun 2019 17:17

Tgt Ion:	42	Resp:	138205
Ion Ratio	Lower	Upper	
42	100		
74	151.2	122.2	183.2
44	6.6	5.8	8.8





#5

2-Fluorophenol

Concen: 78.016 ng

RT: 5.25 min Scan# 538

Delta R.T. -0.01 min

Lab File: BF114979.D

Acq: 12 Jun 2019 17:17

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2019

Tot Ion: 112 Resp: 1284632

Ion Ratio Lower Upper

112 100

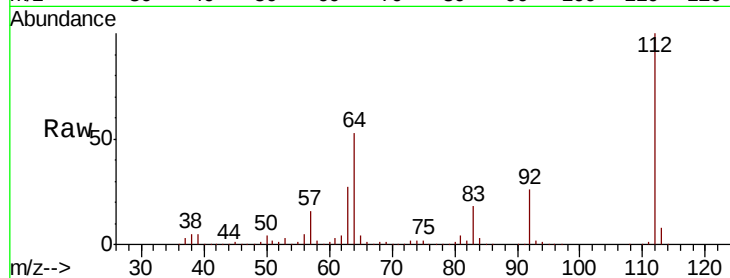
64 53.3 41.6 62.4

63 27.4 20.9 31.3

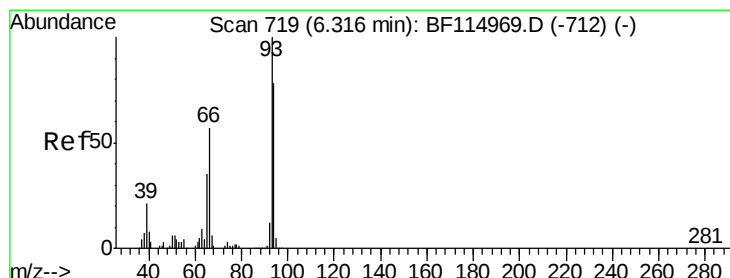
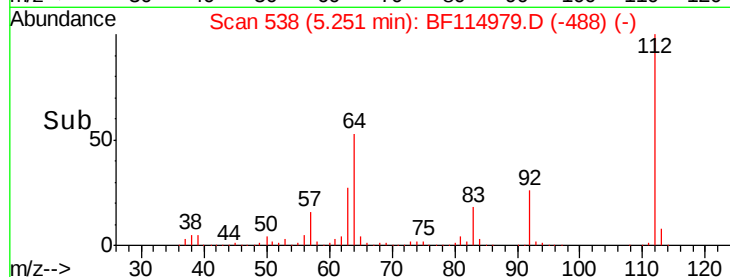
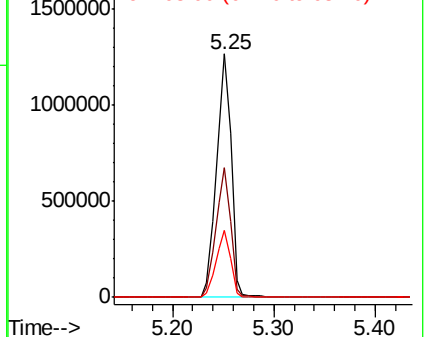
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Abundance Ion 112.00 (111.70 to 112.70): BF1
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 18.996 ng

RT: 6.31 min Scan# 718

Delta R.T. -0.01 min

Lab File: BF114979.D

Acq: 12 Jun 2019 17:17

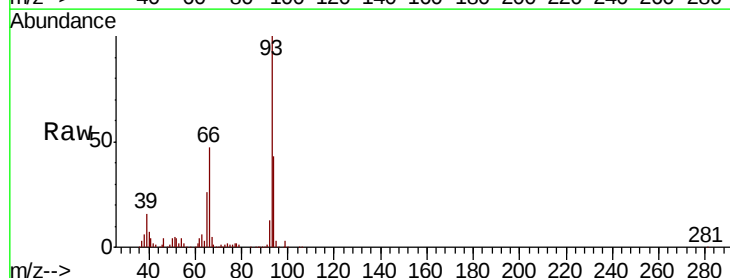
Tgt Ion: 93 Resp: 505303

Ion Ratio Lower Upper

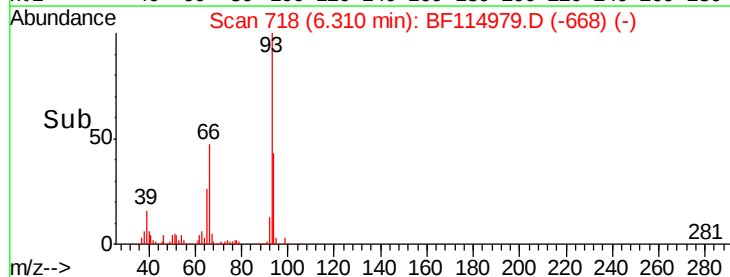
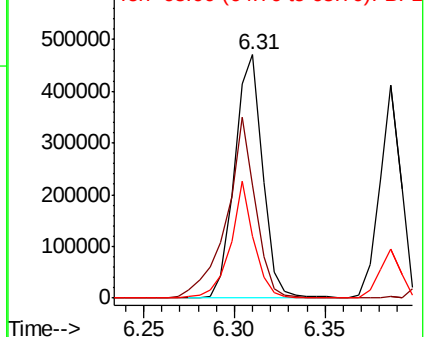
93 100

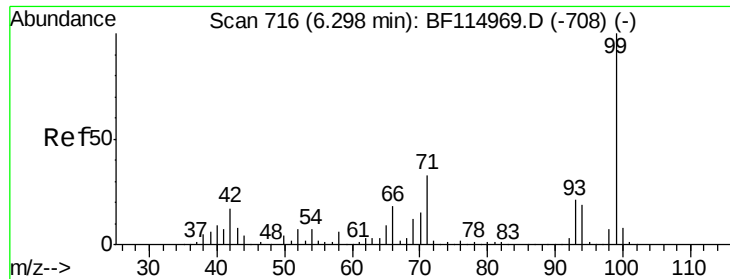
66 46.6 46.2 69.2

65 25.6 27.7 41.5#



Abundance Ion 93.00 (92.70 to 93.70): BF1
Ion 66.00 (65.70 to 66.70): BF1
Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 81.999 ng

RT: 6.29 min Scan# 715

Delta R.T. -0.01 min

Lab File: BF114979.D

Acq: 12 Jun 2019 17:17

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2019

Tot Ion: 99 Resp: 1628753

Ion Ratio Lower Upper

99 100

42 16.3 13.4 20.2

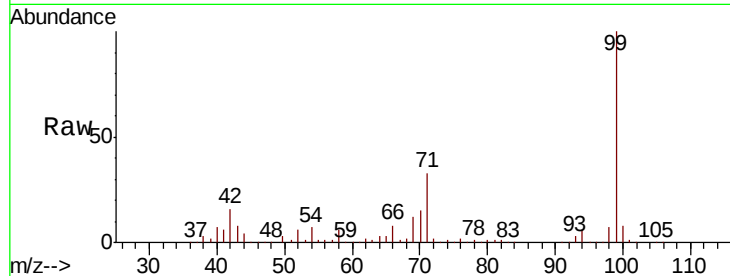
71 33.2 26.4 39.6

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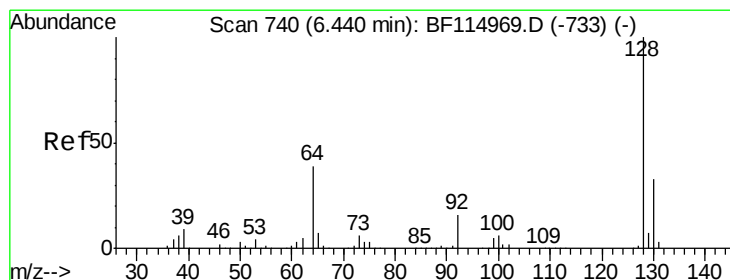
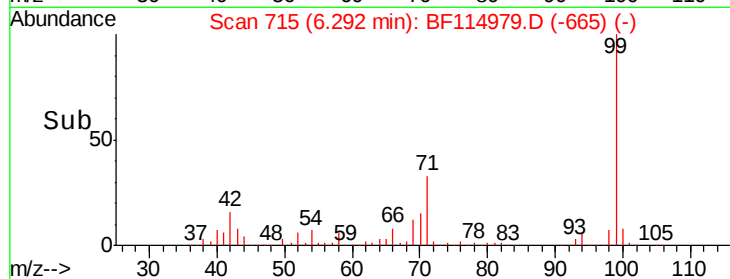
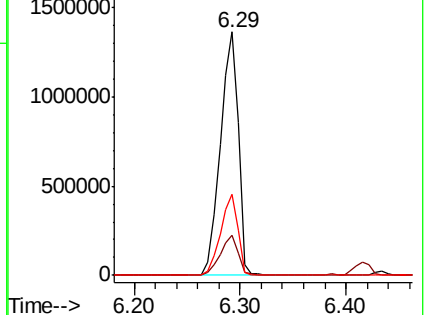
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Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 19.798 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF114979.D

Acq: 12 Jun 2019 17:17

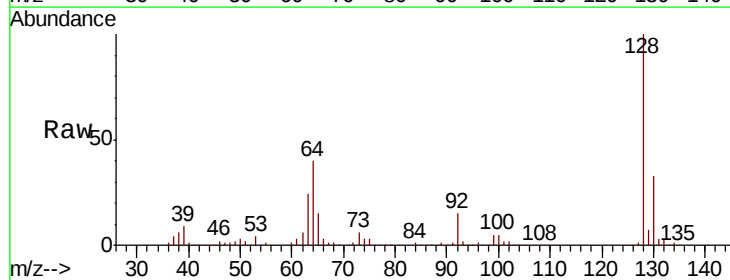
Tgt Ion:128 Resp: 369654

Ion Ratio Lower Upper

128 100

130 32.9 13.4 53.4

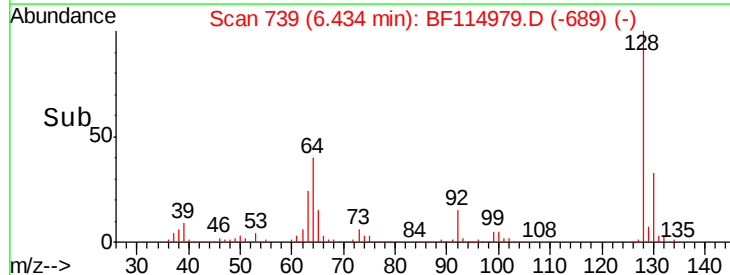
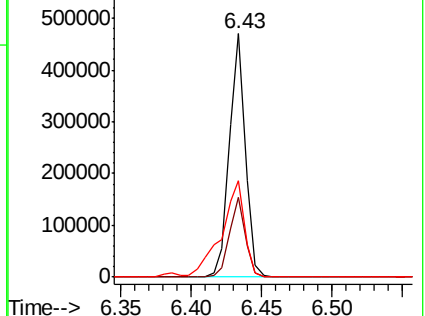
64 39.9 20.1 60.1

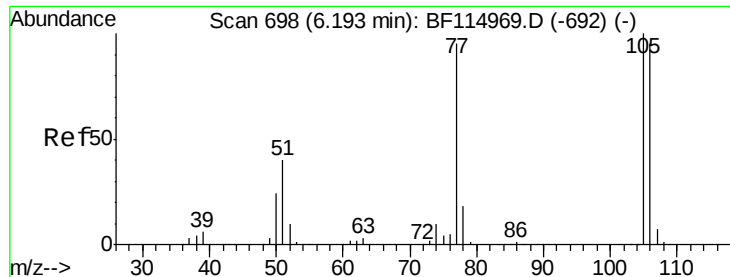


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 25.316 ng

RT: 6.19 min Scan# 698

Delta R.T. 0.00 min

Lab File: BF114979.D

Acq: 12 Jun 2019 17:17

Instrument :

BNA_F

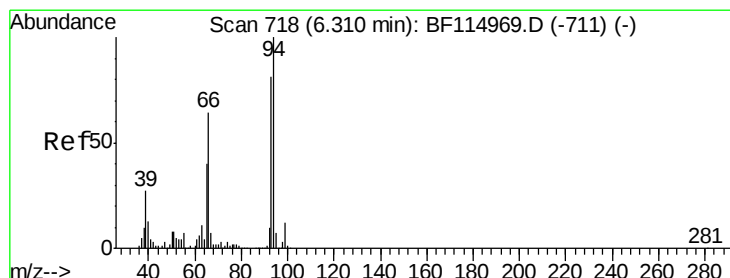
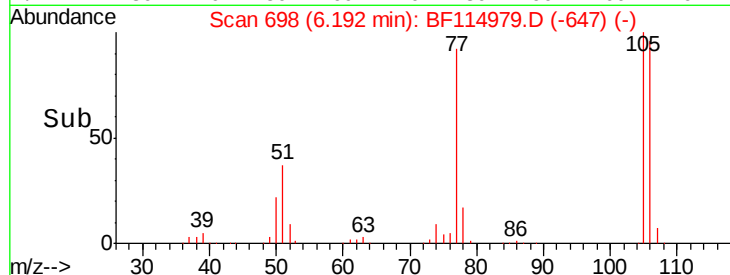
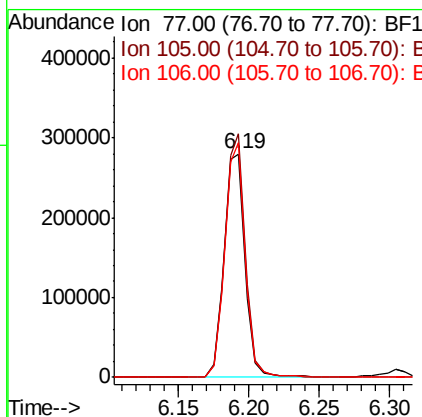
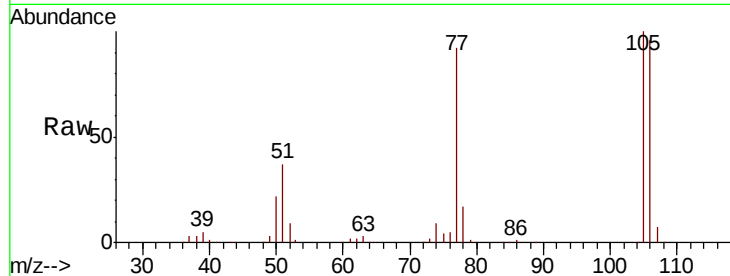
ClientSampleId :

LOQ-SOIL-02-QT2-2019

Tot Ion:	77	Resp:	289086
Ion	Ratio	Lower	Upper
77	100		
105	108.9	85.1	125.1
106	105.1	80.0	120.0

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#10

Phenol

Concen: 19.852 ng

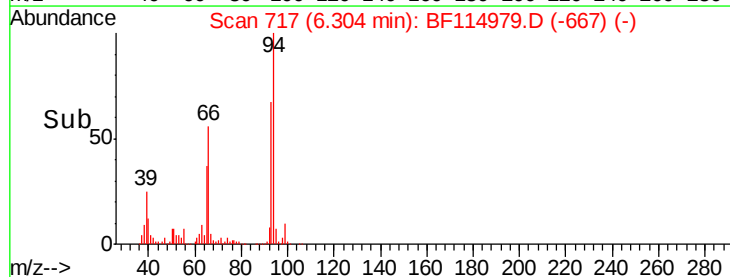
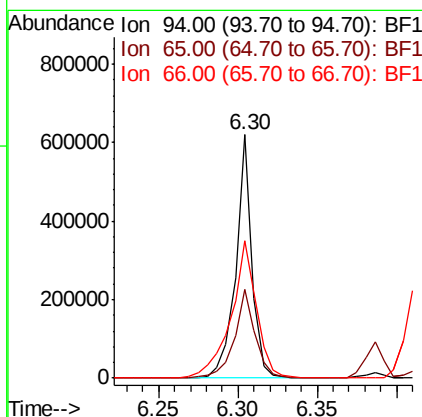
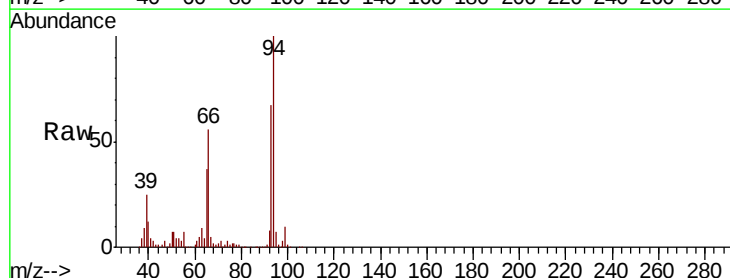
RT: 6.30 min Scan# 717

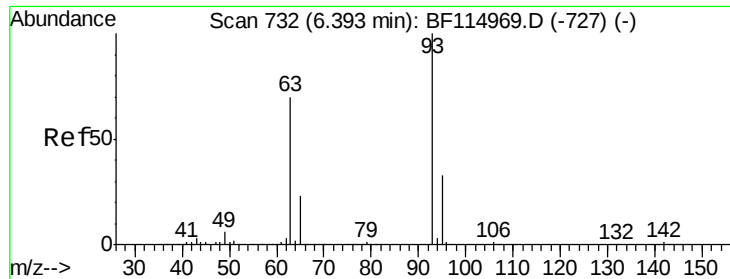
Delta R.T. -0.01 min

Lab File: BF114979.D

Acq: 12 Jun 2019 17:17

Tgt Ion:	94	Resp:	441171
Ion	Ratio	Lower	Upper
94	100		
65	36.6	20.0	60.0
66	56.5	44.1	84.1





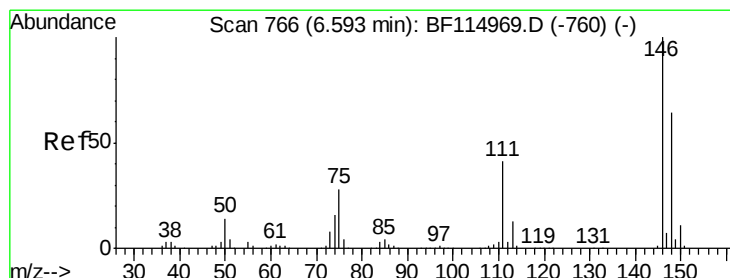
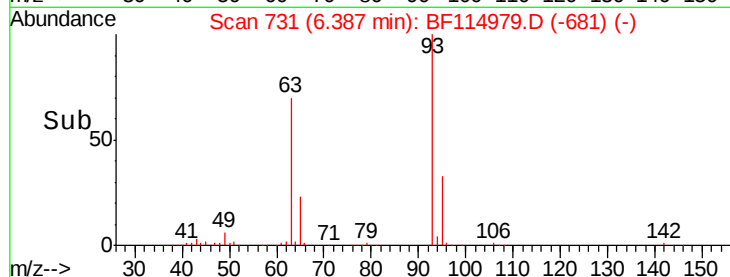
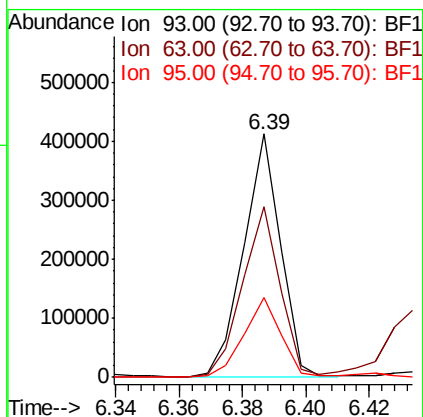
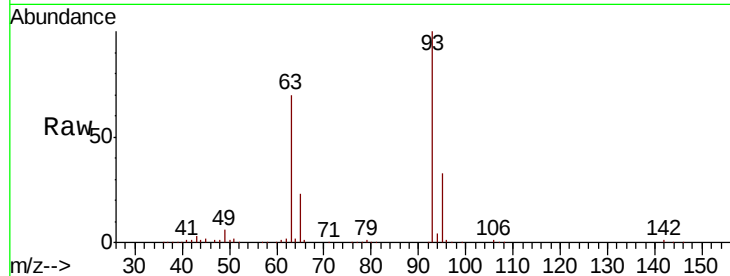
#11
bis(2-Chloroethyl)ether
Concen: 19.158 ng
RT: 6.39 min Scan# 731
Delta R.T. -0.01 min
Lab File: BF114979.D
Acq: 12 Jun 2019 17:17

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2019

Tot Ion	Ratio	Lower	Upper
93	100		
63	69.9	49.8	89.8
95	32.8	13.3	53.3

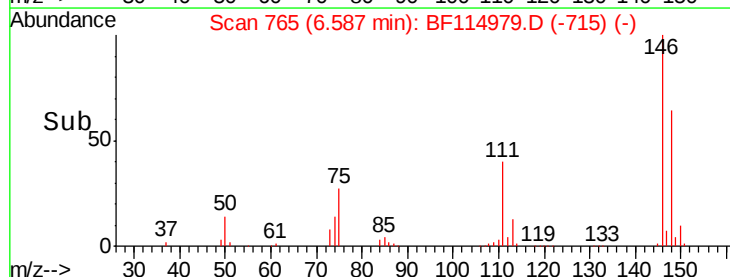
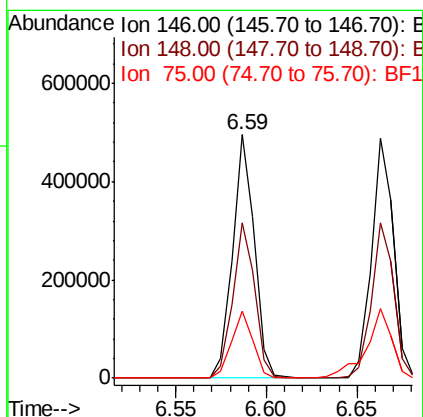
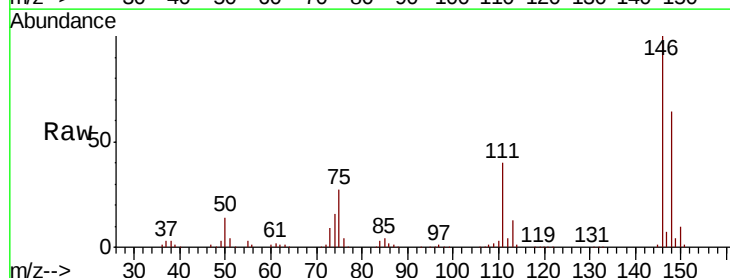
Manual Integrations
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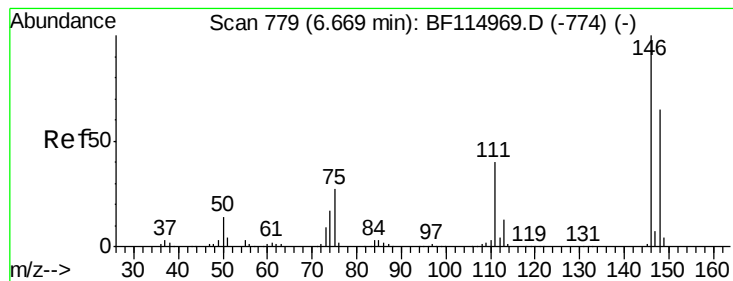
mohammad
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#12
1,3-Dichlorobenzene
Concen: 19.081 ng
RT: 6.59 min Scan# 765
Delta R.T. -0.01 min
Lab File: BF114979.D
Acq: 12 Jun 2019 17:17

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.5	51.6	77.4
75	27.3	22.3	33.5





#13

1,4-Dichlorobenzene

Concen: 18.994 ng

RT: 6.66 min Scan# 778

Delta R.T. -0.01 min

Lab File: BF114979.D

Acq: 12 Jun 2019 17:17

Instrument :

BNA_F

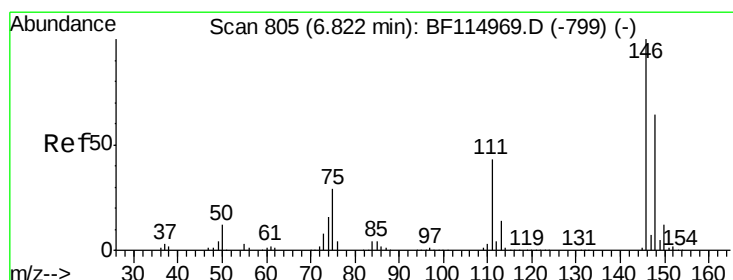
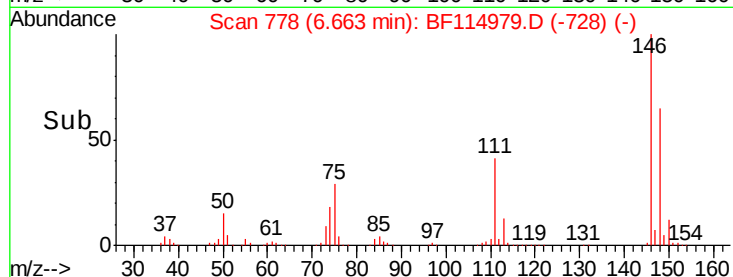
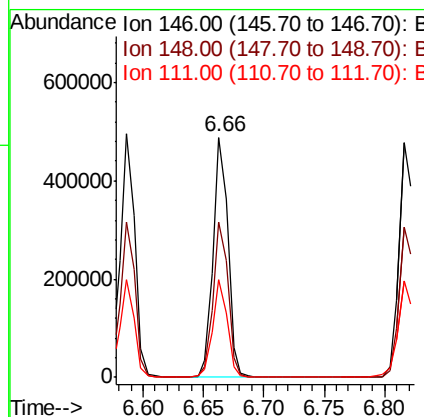
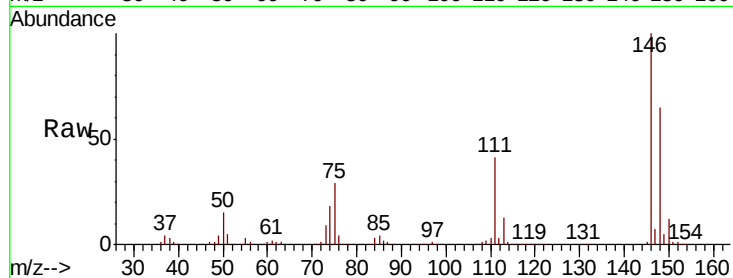
ClientSampleId :

LOQ-SOIL-02-QT2-2019

Tot Ion:	146	Resp:	416452
Ion Ratio	Lower	Upper	
146	100		
148	65.0	52.2	78.2
111	41.0	32.4	48.6

Manual Integrations
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#14

1,2-Dichlorobenzene

Concen: 19.209 ng

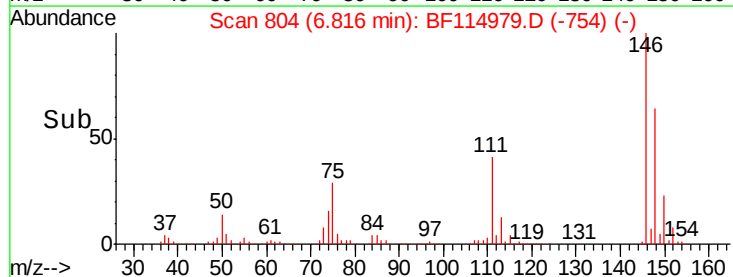
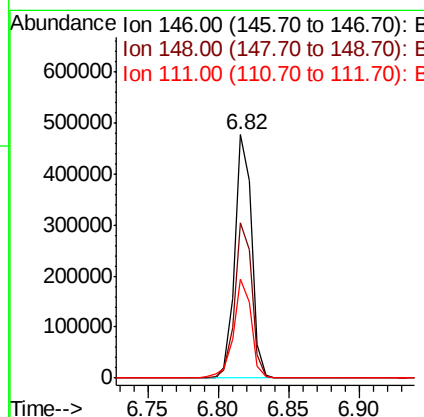
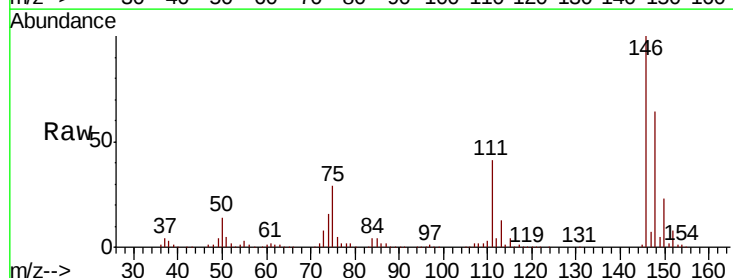
RT: 6.82 min Scan# 804

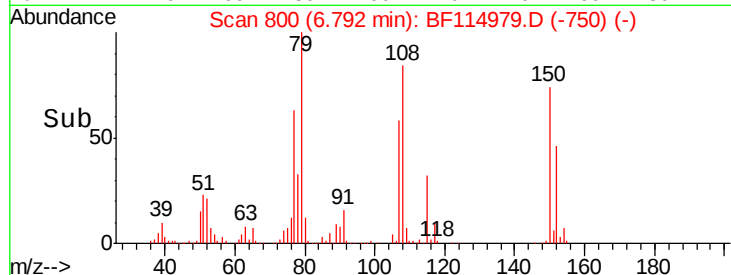
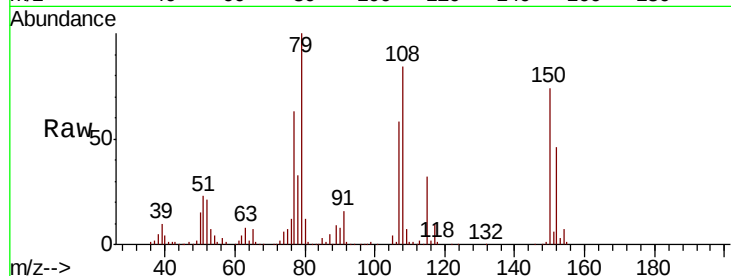
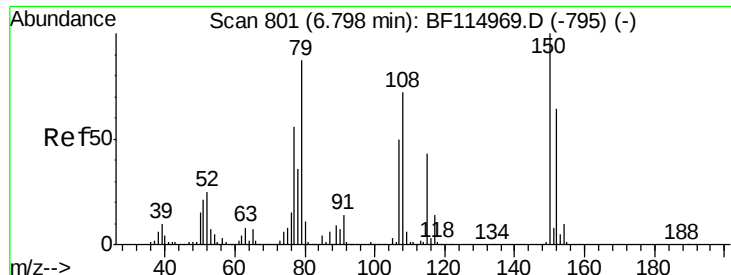
Delta R.T. -0.01 min

Lab File: BF114979.D

Acq: 12 Jun 2019 17:17

Tgt Ion:	146	Resp:	396508
Ion Ratio	Lower	Upper	
146	100		
148	63.9	51.5	77.3
111	40.9	34.6	51.8





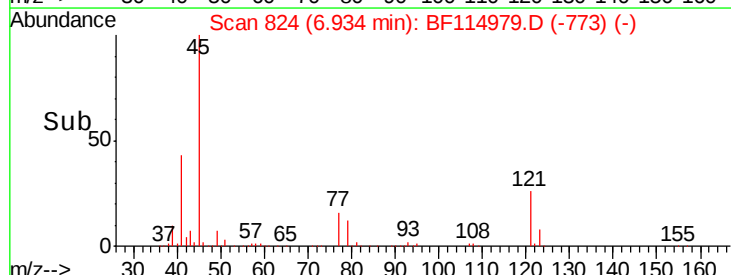
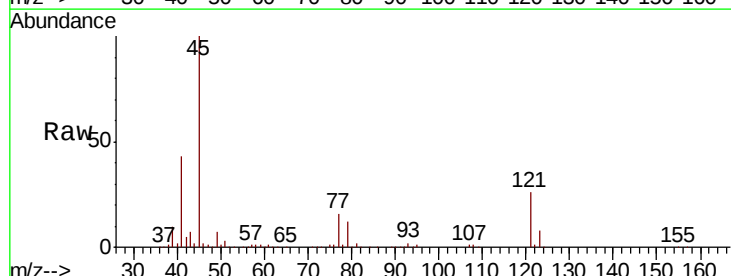
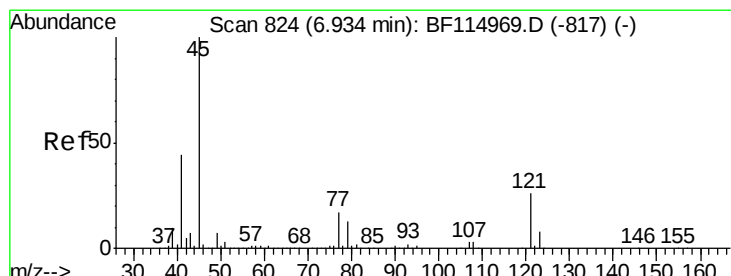
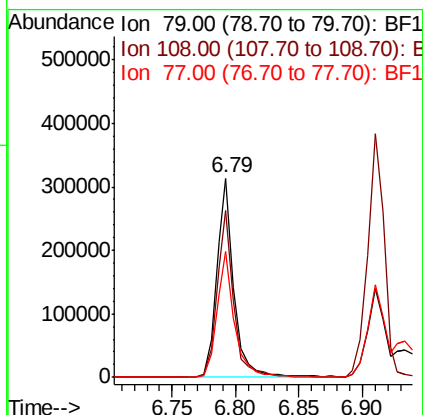
#15
Benzyl Alcohol
Concen: 19.993 ng
RT: 6.79 min Scan# 800
Delta R.T. -0.01 min
Lab File: BF114979.D
Acq: 12 Jun 2019 17:17

Tot Ion	Ratio	Resp	Lower	Upper
79	100			
108	83.7	66.0	99.0	
77	63.4	51.1	76.7	

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2019

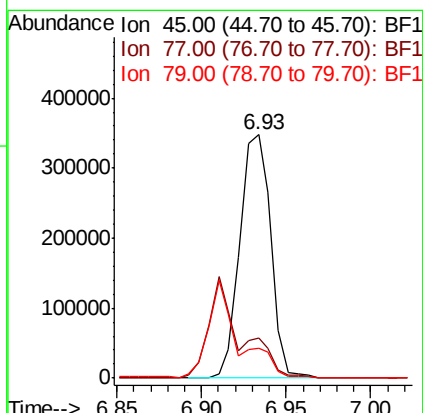
Manual Integrations
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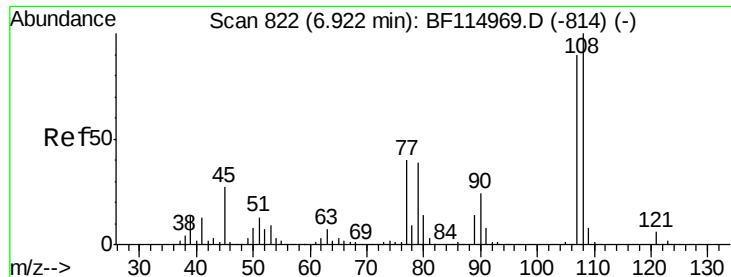
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#16
2,2'-oxybis(1-Chloropropane)
Concen: 19.223 ng
RT: 6.93 min Scan# 824
Delta R.T. -0.00 min
Lab File: BF114979.D
Acq: 12 Jun 2019 17:17

Tgt Ion	Ratio	Resp	Lower	Upper
45	100			
77	16.3	0.0	37.0	
79	12.4	0.0	33.1	





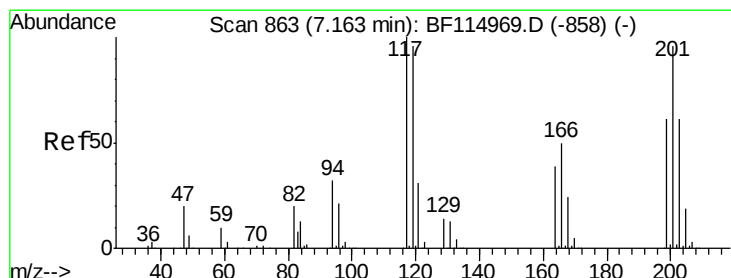
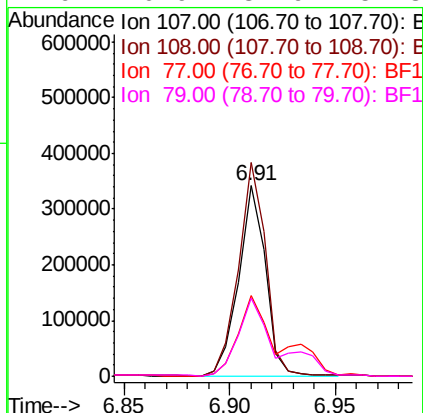
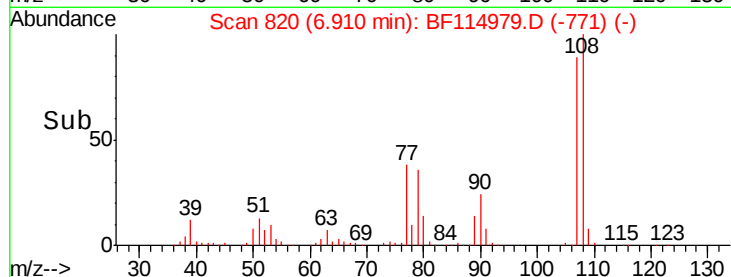
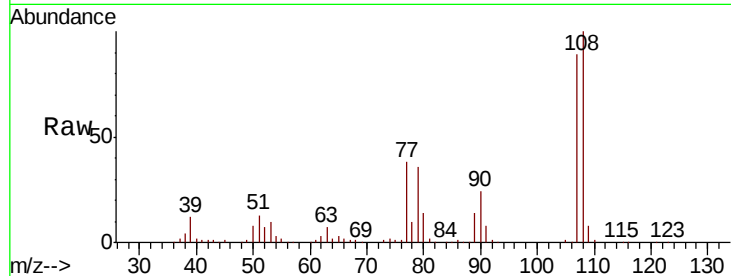
#17
2-Methylphenol
Concen: 19.279 ng
RT: 6.91 min Scan# 820
Delta R.T. -0.01 min
Lab File: BF114979.D
Acq: 12 Jun 2019 17:17

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2019

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	112.3	89.3	133.9	
77	42.7	35.4	53.2	
79	40.9	34.9	52.3	

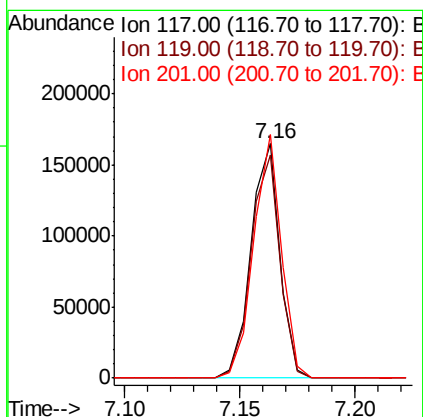
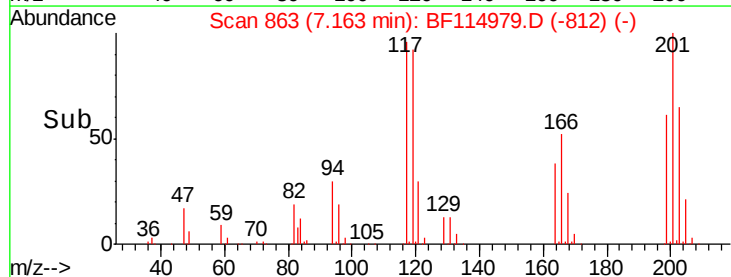
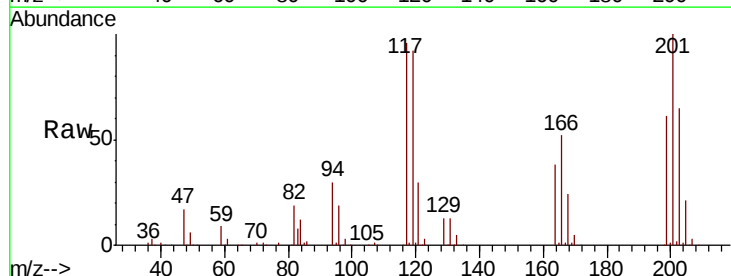
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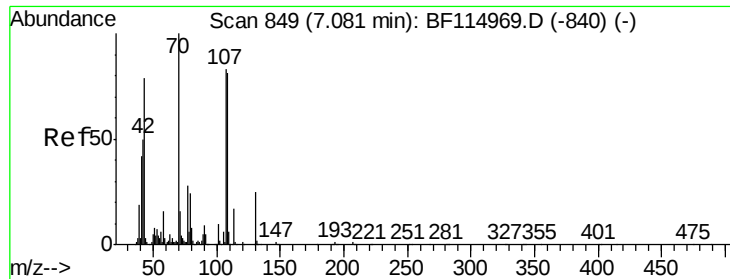
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#18
Hexachloroethane
Concen: 18.155 ng
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: BF114979.D
Acq: 12 Jun 2019 17:17

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	95.5	77.0	115.4	
201	104.0	76.6	115.0	





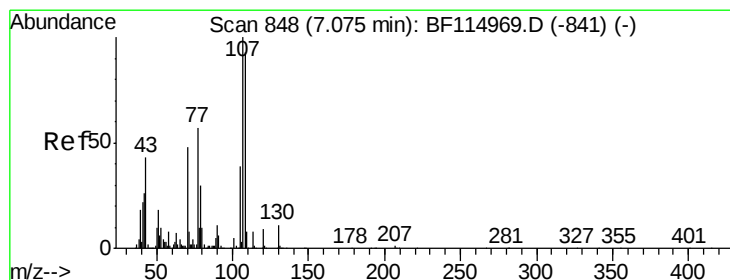
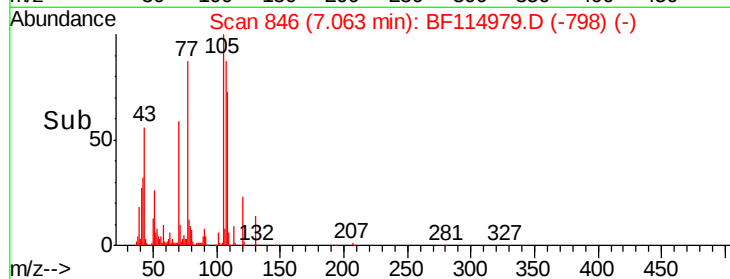
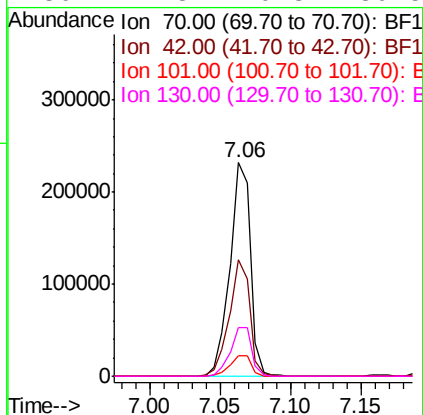
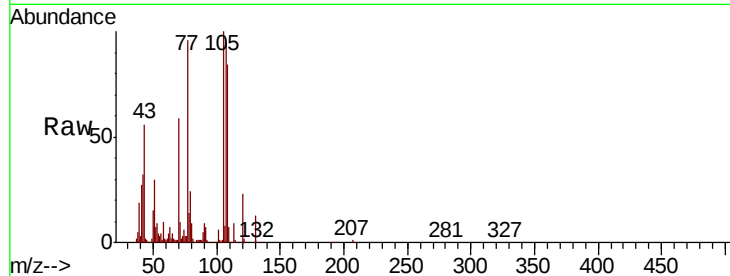
#19
n-Nitroso-di-n-propylamine
Concen: 19.551 ng
RT: 7.06 min Scan# 846
Delta R.T. -0.02 min
Lab File: BF114979.D
Acq: 12 Jun 2019 17:17

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2019

Tot Ion	Ion	Ratio	Resp	Lower	Upper
70	100		235945		
42	54.4	40.3	60.5		
101	9.7	8.2	12.4		
130	22.8	20.3	30.5		

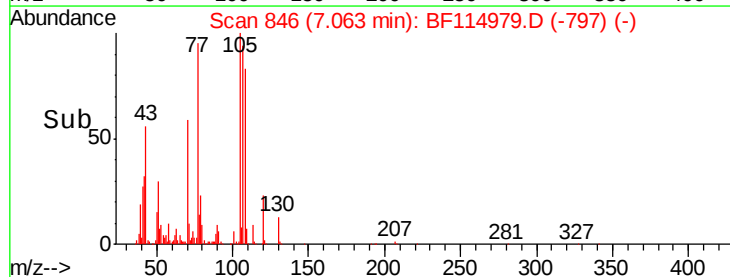
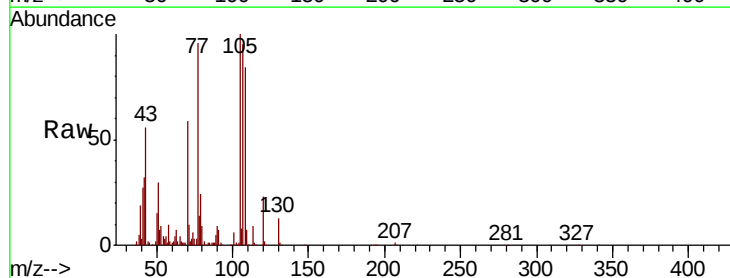
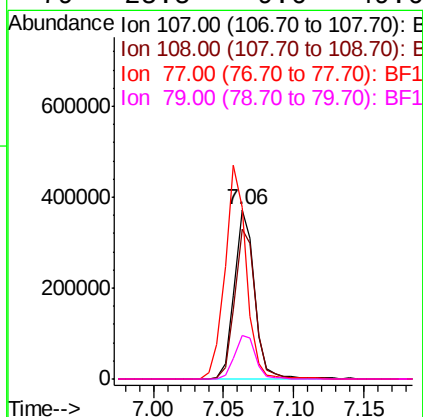
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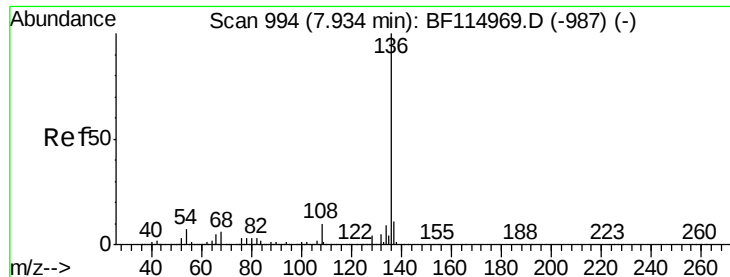
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#20
3+4-Methylphenols
Concen: 20.041 ng m
RT: 7.06 min Scan# 846
Delta R.T. -0.01 min
Lab File: BF114979.D
Acq: 12 Jun 2019 17:17

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100		371452		
108	88.4	73.1	113.1		
77	101.0	37.3	77.3#		
79	25.5	9.6	49.6		





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.93 min Scan# 993

Delta R.T. -0.01 min

Lab File: BF114979.D

Acq: 12 Jun 2019 17:17

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2019

Tot Ion:136 Resp: 1101808

Ion Ratio Lower Upper

136 100

137 11.4 9.0 13.4

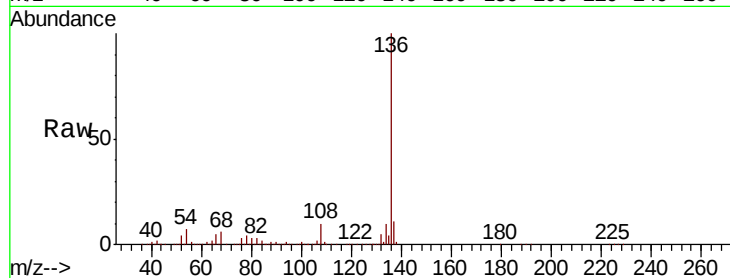
54 6.8 5.4 8.0

68 6.0 4.6 7.0

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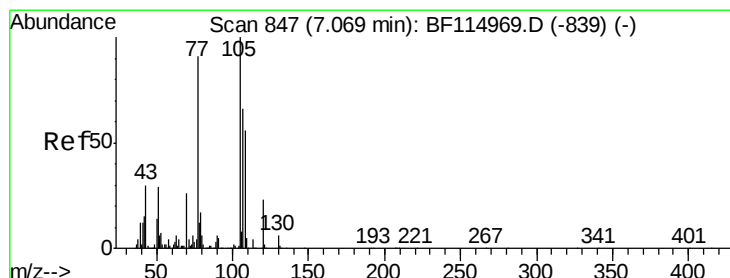
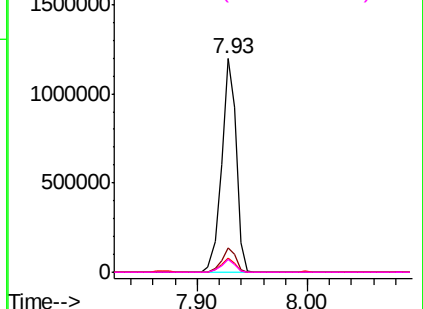
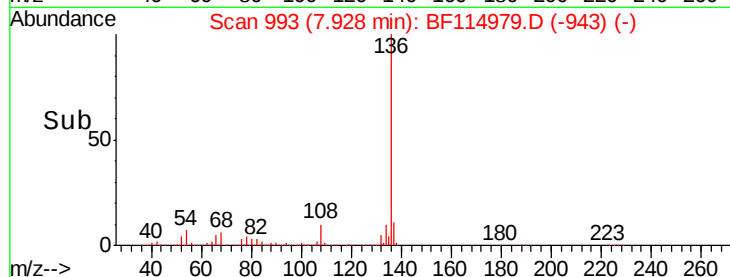


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22

Acetophenone

Concen: 21.221 ng

RT: 7.06 min Scan# 845

Delta R.T. -0.01 min

Lab File: BF114979.D

Acq: 12 Jun 2019 17:17

Tgt Ion:105 Resp: 529270

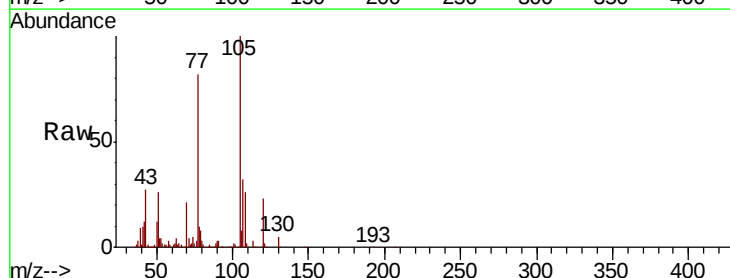
Ion Ratio Lower Upper

105 100

71 3.6 3.4 5.2

51 25.8 23.3 34.9

120 23.0 18.8 28.2

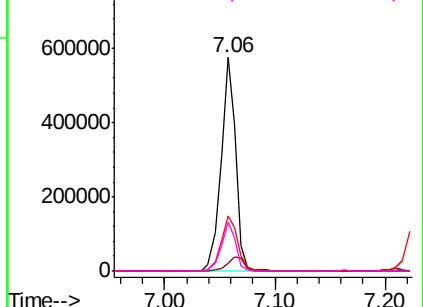
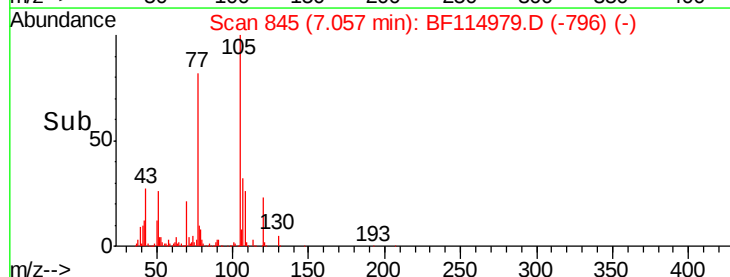


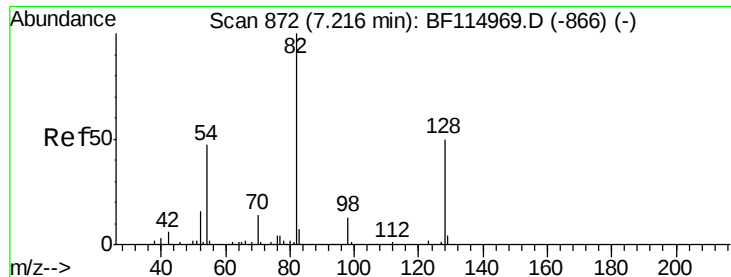
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E





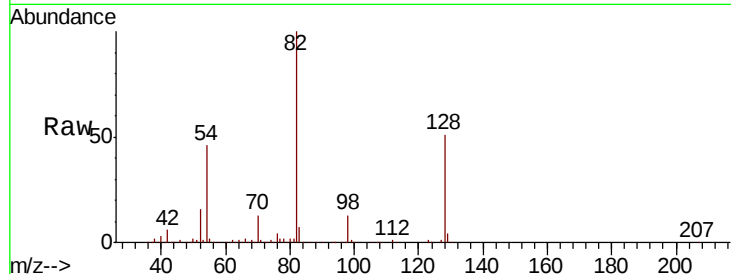
#23
Nitrobenzene-d5
Concen: 50.142 ng
RT: 7.21 min Scan# 871
Delta R.T. -0.01 min
Lab File: BF114979.D
Acq: 12 Jun 2019 17:17

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2019

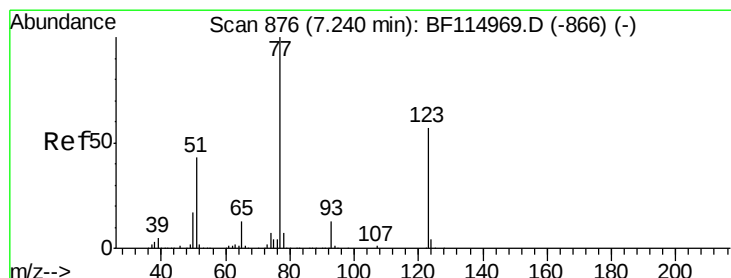
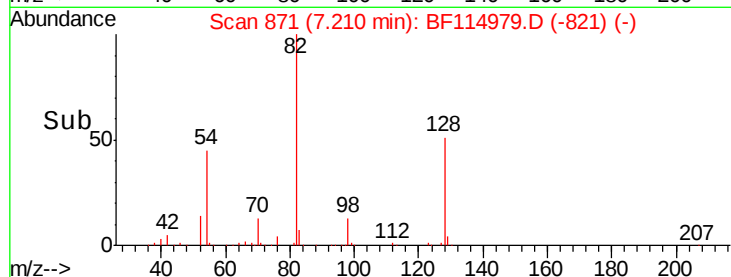
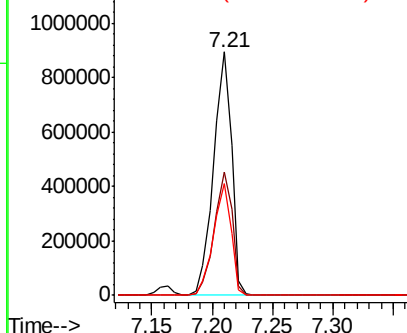
Tot Ion	Ratio	Lower	Upper
82	100		
128	50.7	39.9	59.9
54	46.1	37.3	55.9

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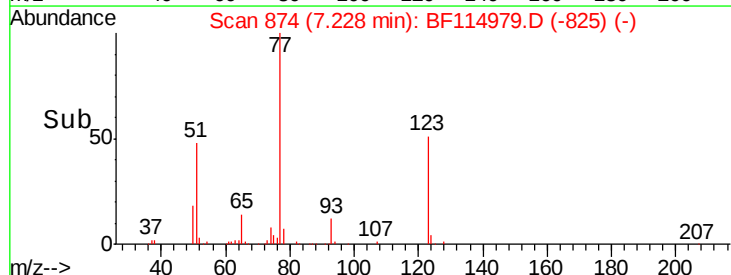
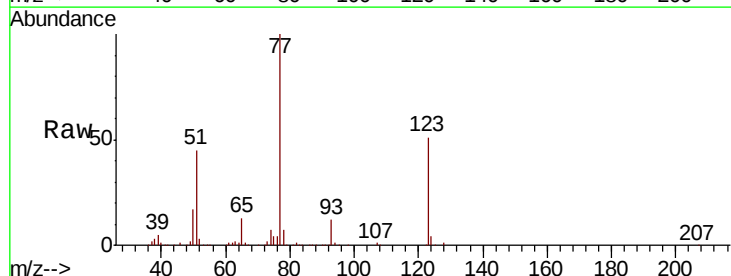
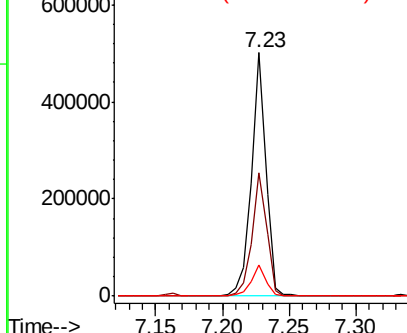
Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

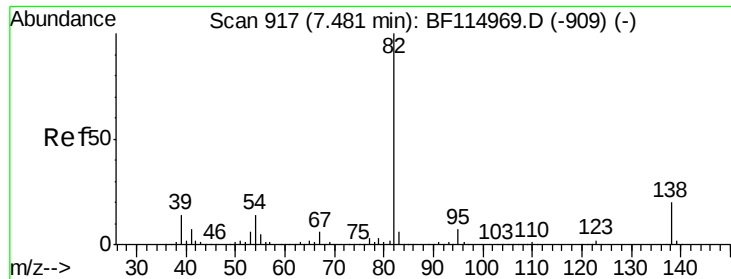


#24
Nitrobenzene
Concen: 19.821 ng
RT: 7.23 min Scan# 874
Delta R.T. -0.01 min
Lab File: BF114979.D
Acq: 12 Jun 2019 17:17

Tgt Ion	Ratio	Lower	Upper
77	100		
123	50.9	45.5	68.3
65	12.5	10.3	15.5

Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 123.00 (122.70 to 123.70): BF1
Ion 65.00 (64.70 to 65.70): BF1





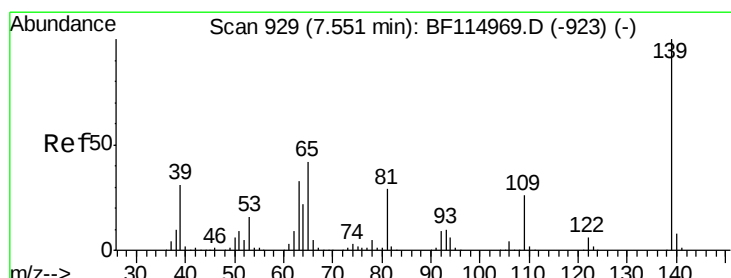
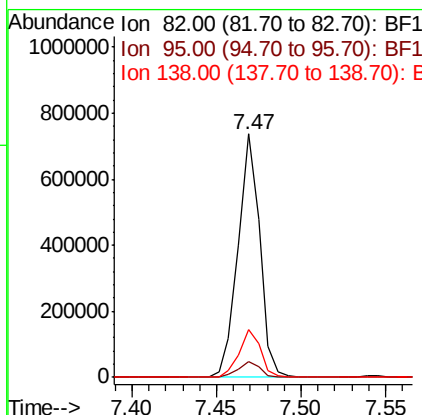
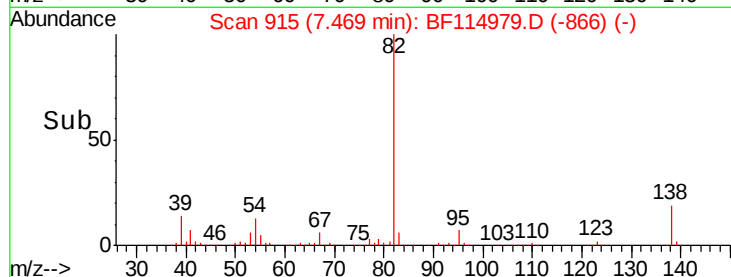
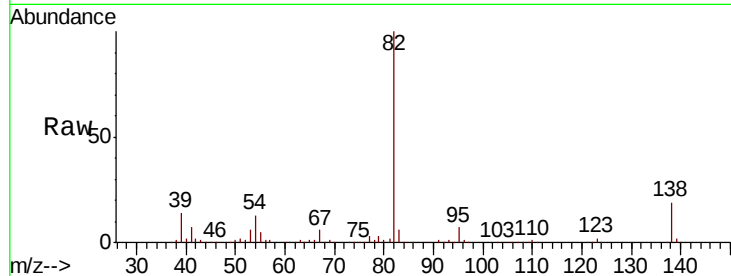
#25
Isophorone
Concen: 19.314 ng
RT: 7.47 min Scan# 915
Delta R.T. -0.01 min
Lab File: BF114979.D
Acq: 12 Jun 2019 17:17

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2019

Tot Ion	Ratio	Resp	Lower	Upper
82	100	662164		
95	6.7	5.6	8.4	
138	19.4	16.1	24.1	

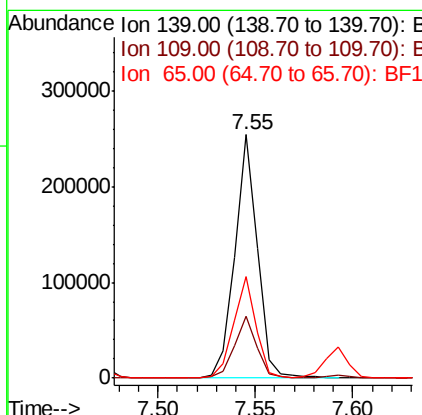
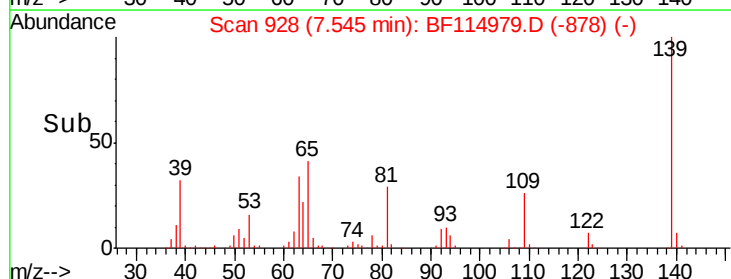
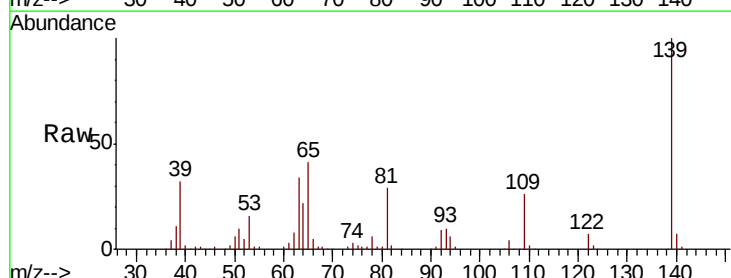
Manual Integrations
APPROVED

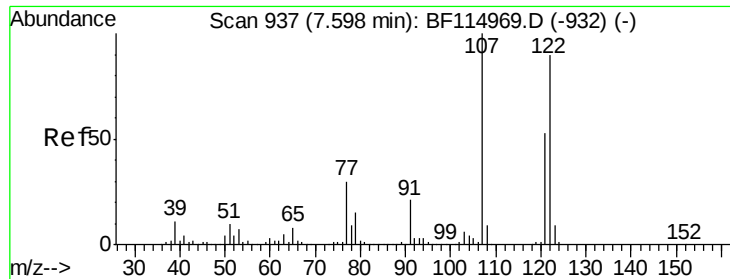
mohammad
6/14/2019 8:46:30 AM



#26
2-Nitrophenol
Concen: 19.675 ng
RT: 7.55 min Scan# 928
Delta R.T. -0.01 min
Lab File: BF114979.D
Acq: 12 Jun 2019 17:17

Tgt Ion	Ratio	Resp	Lower	Upper
139	100	204245		
109	25.6	20.8	31.2	
65	41.5	33.4	50.2	





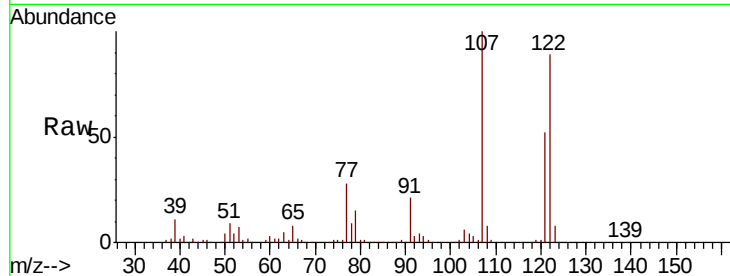
#27
2,4-Dimethylphenol
Concen: 21.041 ng
RT: 7.59 min Scan# 936
Delta R.T. -0.01 min
Lab File: BF114979.D
Acq: 12 Jun 2019 17:17

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2019

Tot Ion	Ratio	Resp	Lower	Upper
122	100	315094		
107	111.8	88.8	133.2	
121	58.5	47.4	71.0	

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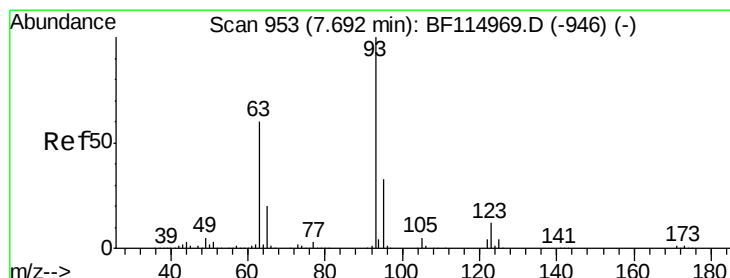
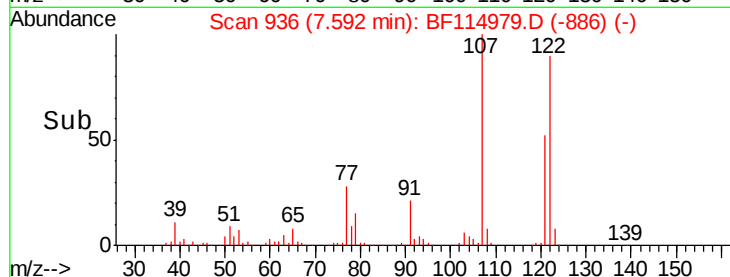
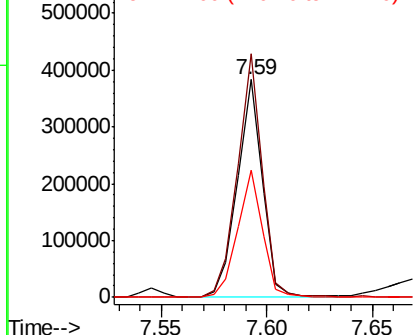


Abundance

Ion 122.00 (121.70 to 122.70): E

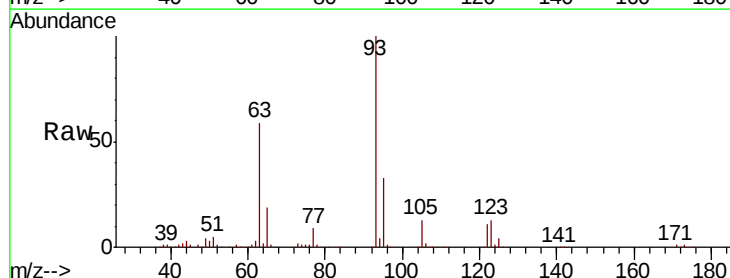
Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28
bis(2-Chloroethoxy)methane
Concen: 19.005 ng
RT: 7.69 min Scan# 952
Delta R.T. -0.01 min
Lab File: BF114979.D
Acq: 12 Jun 2019 17:17

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	418030		
95	32.6	26.6	40.0	
123	12.8	9.9	14.9	

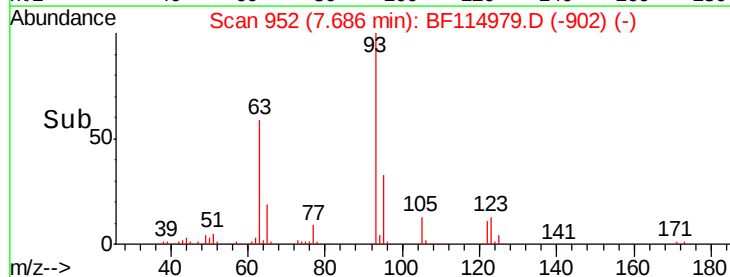
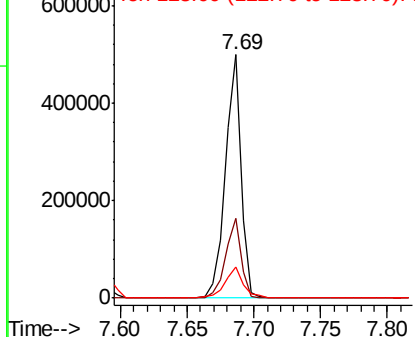


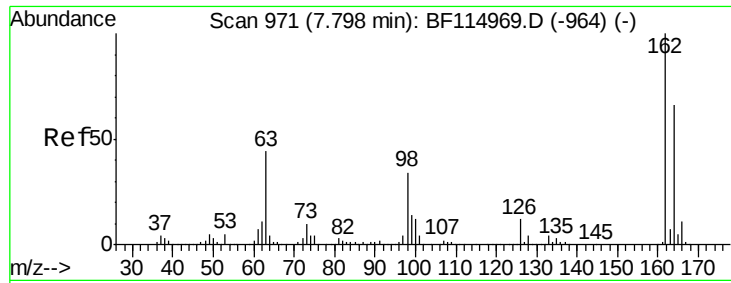
Abundance

Ion 93.00 (92.70 to 93.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 123.00 (122.70 to 123.70): E





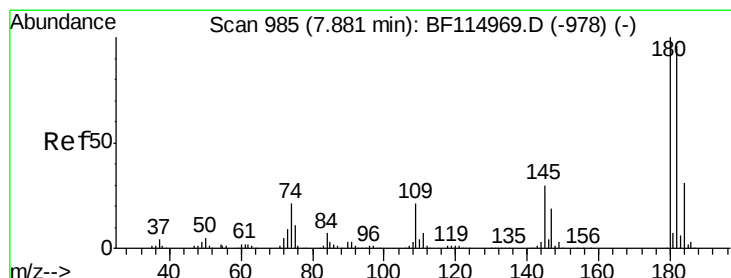
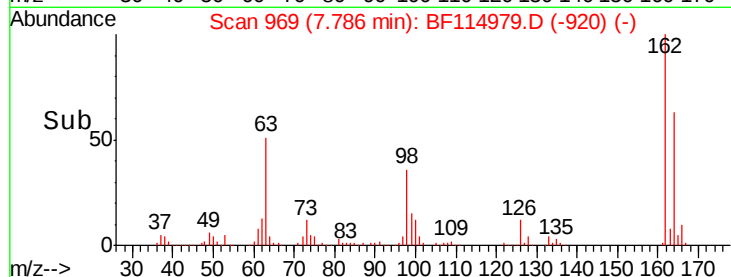
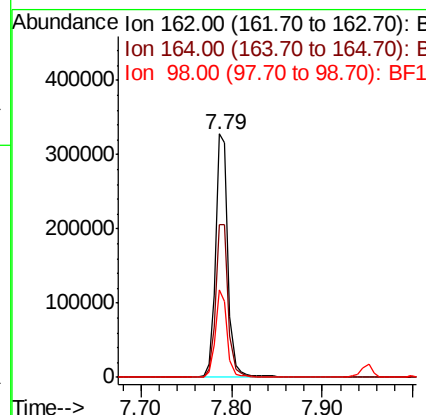
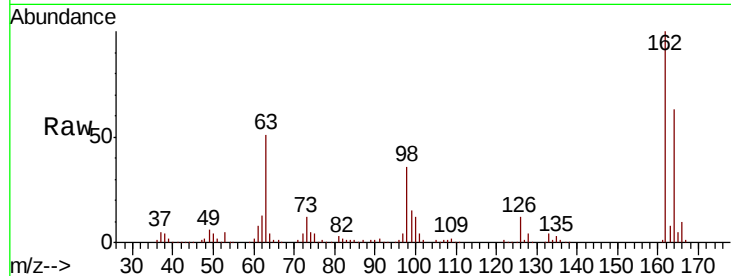
#29
2,4-Dichlorophenol
Concen: 20.116 ng
RT: 7.79 min Scan# 969
Delta R.T. -0.01 min
Lab File: BF114979.D
Acq: 12 Jun 2019 17:17

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2019

Tot Ion	Ratio	Lower	Upper
162	100		
164	63.0	45.7	85.7
98	36.1	14.0	54.0

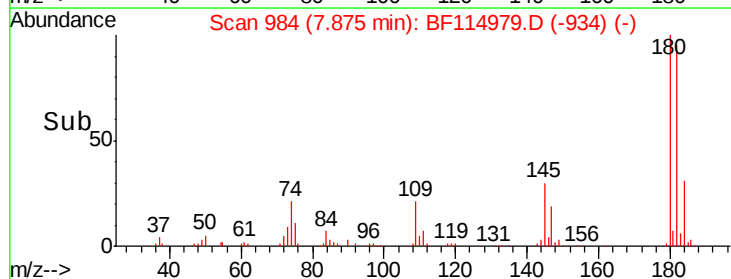
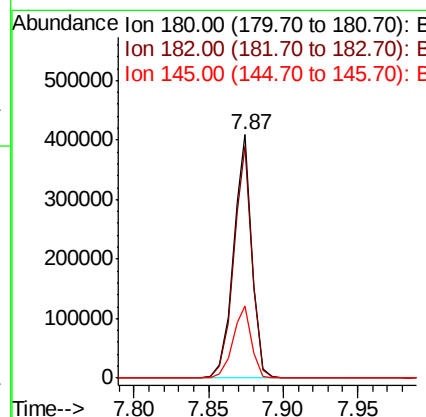
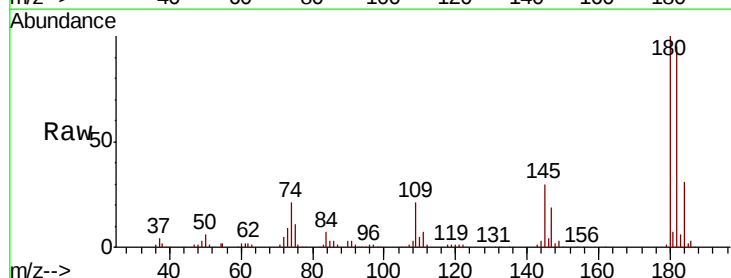
Manual Integrations
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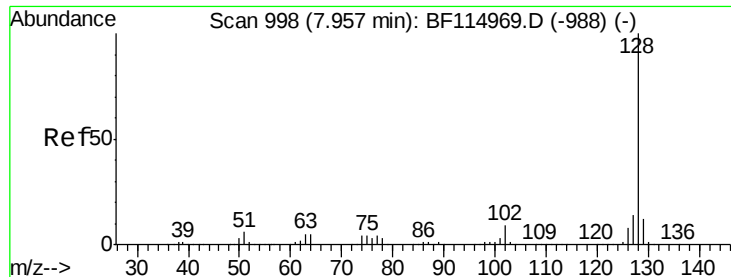
mohammad
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#30
1,2,4-Trichlorobenzene
Concen: 19.362 ng
RT: 7.87 min Scan# 984
Delta R.T. -0.01 min
Lab File: BF114979.D
Acq: 12 Jun 2019 17:17

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	76.7	115.1
145	29.9	24.1	36.1





#31

Naphthalene

Concen: 21.126 ng

RT: 7.95 min Scan# 997

Delta R.T. -0.01 min

Lab File: BF114979.D

Acq: 12 Jun 2019 17:17

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2019

Tot Ion:128 Resp: 1101308

Ion Ratio Lower Upper

128 100

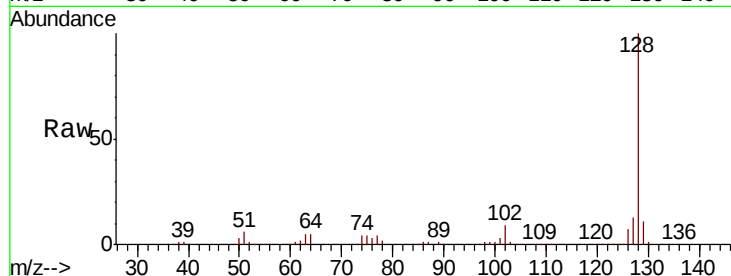
129 11.3 9.5 14.3

127 13.1 11.5 17.3

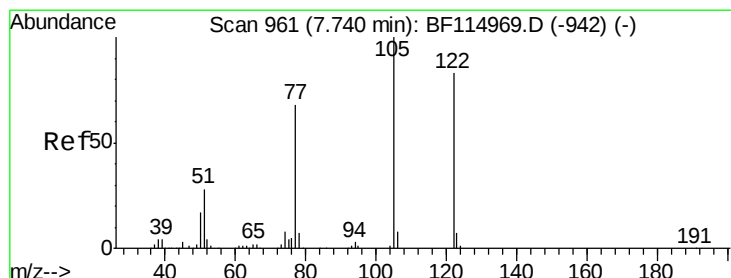
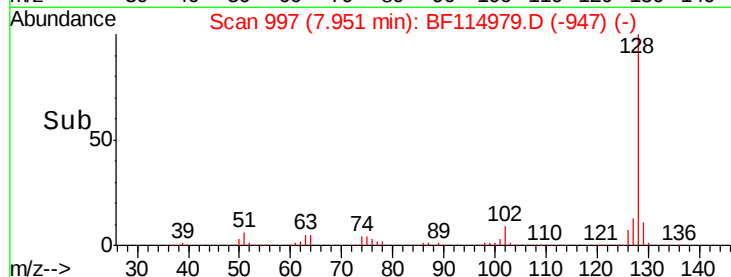
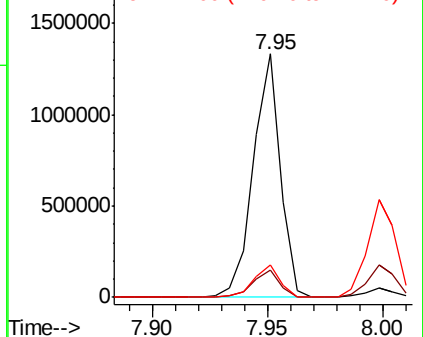
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Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 17.491 ng

RT: 7.70 min Scan# 954

Delta R.T. -0.04 min

Lab File: BF114979.D

Acq: 12 Jun 2019 17:17

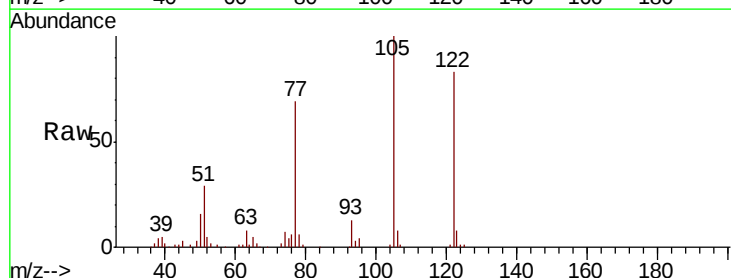
Tgt Ion:122 Resp: 189519

Ion Ratio Lower Upper

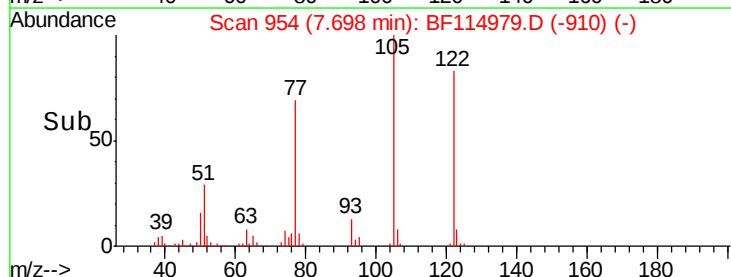
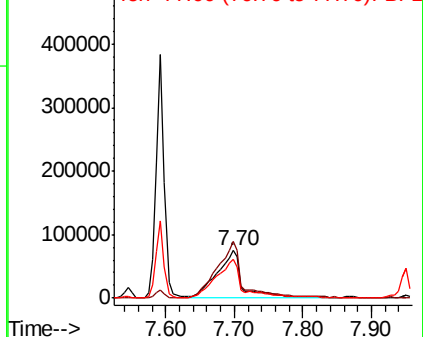
122 100

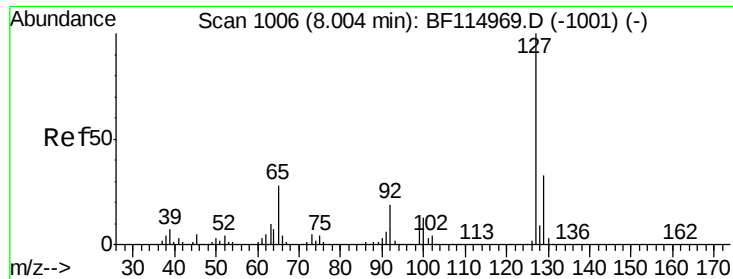
105 119.8 98.6 138.6

77 82.7 60.9 100.9



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF1





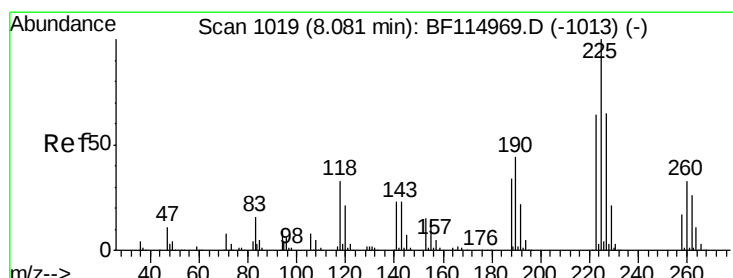
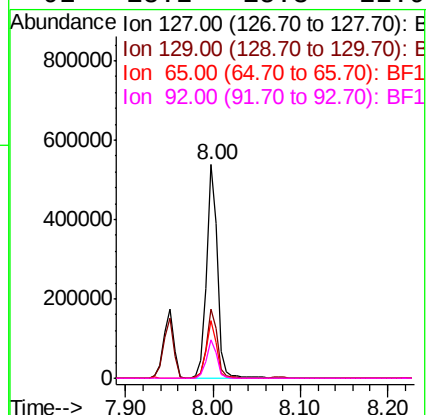
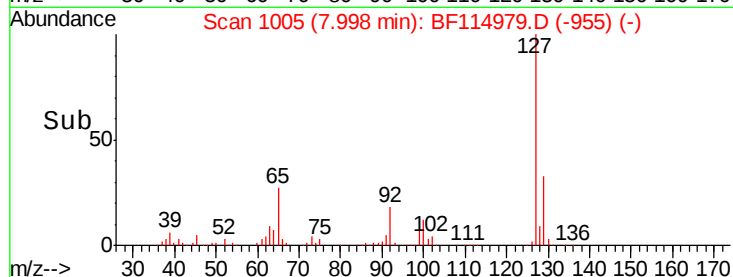
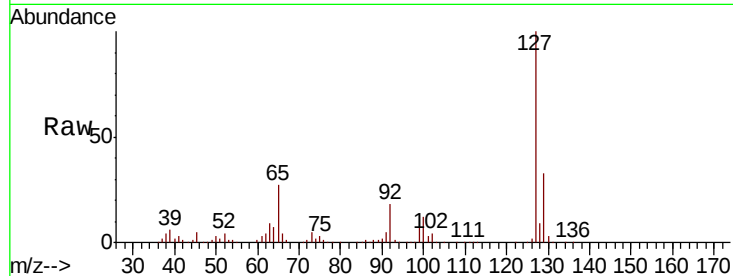
#33
4-Chloroaniline
Concen: 19.460 ng
RT: 8.00 min Scan# 1005
Delta R.T. -0.01 min
Lab File: BF114979.D
Acq: 12 Jun 2019 17:17

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2019

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100		468276		
129	32.6	26.1	39.1		
65	27.0	22.3	33.5		
92	18.2	15.3	22.9		

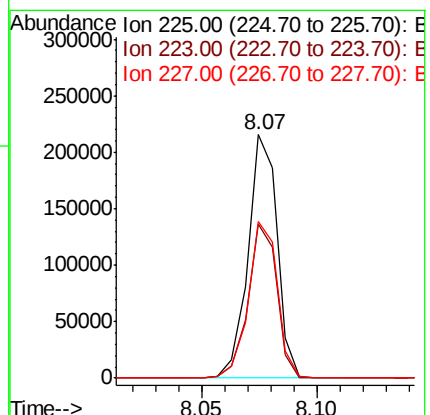
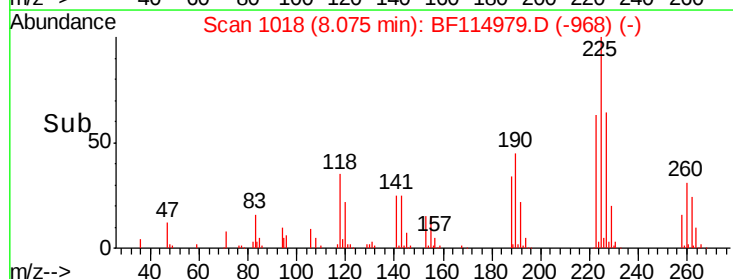
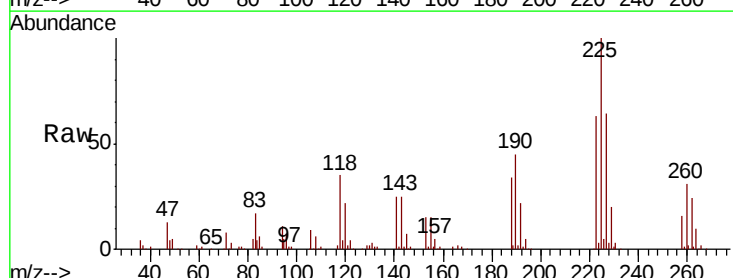
Manual Integrations
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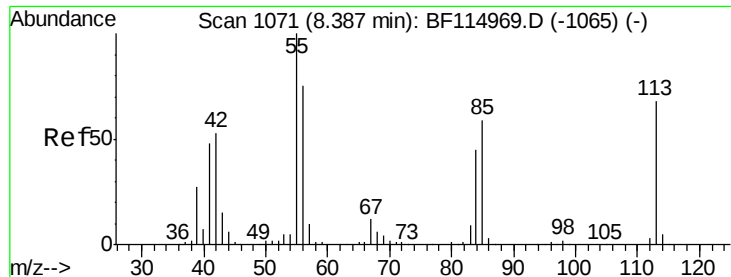
mohammad
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#34
Hexachlorobutadiene
Concen: 18.728 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BF114979.D
Acq: 12 Jun 2019 17:17

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100		190289		
223	63.5	51.0	76.6		
227	64.1	51.7	77.5		





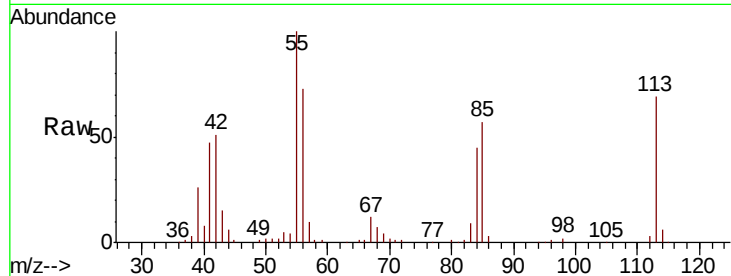
#35
Caprolactam
Concen: 19.696 ng
RT: 8.36 min Scan# 1066
Delta R.T. -0.03 min
Lab File: BF114979.D
Acq: 12 Jun 2019 17:17

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2019

Tot Ion	Ion	Ratio	Resp	Lower	Upper
113	100				
55	144.7	127.3	167.3		
56	105.5	90.6	130.6		

Manual Integrations
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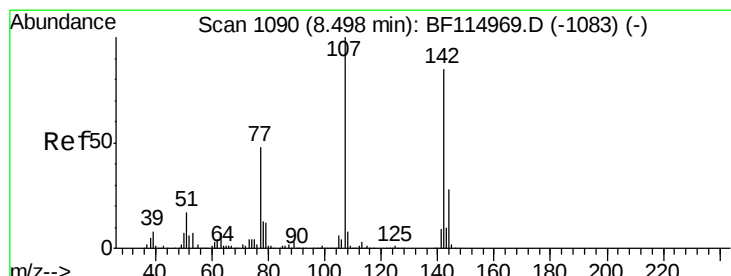
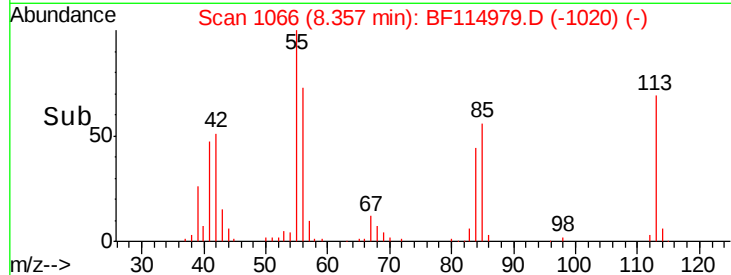
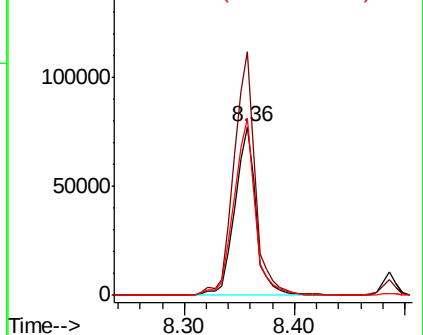


Abundance

Ion 113.00 (112.70 to 113.70): E

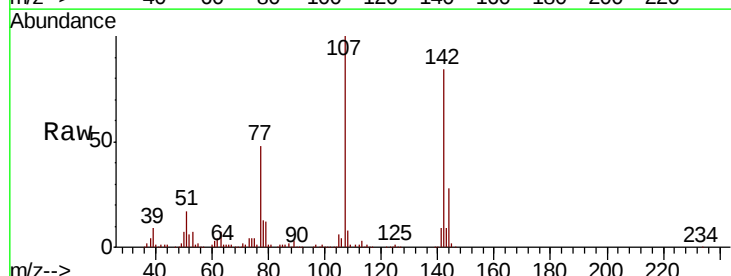
Ion 55.00 (54.70 to 55.70): BF1

Ion 56.00 (55.70 to 56.70): BF1



#36
4-Chloro-3-methylphenol
Concen: 20.005 ng
RT: 8.49 min Scan# 1088
Delta R.T. -0.01 min
Lab File: BF114979.D
Acq: 12 Jun 2019 17:17

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100				
144	27.5	22.0	33.0		
142	84.1	68.2	102.4		

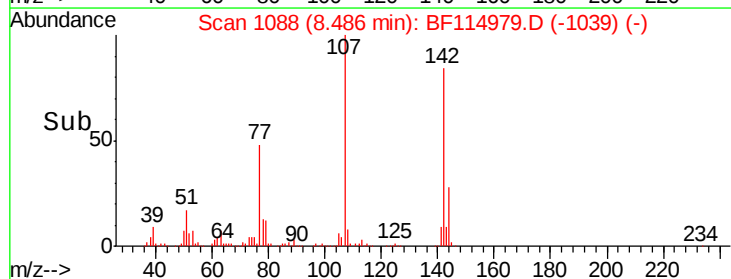
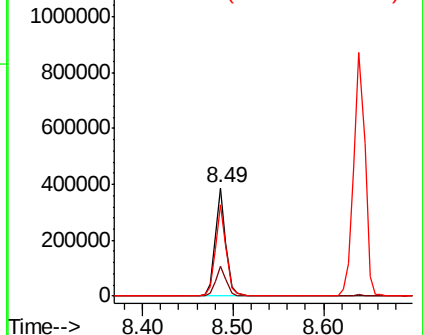


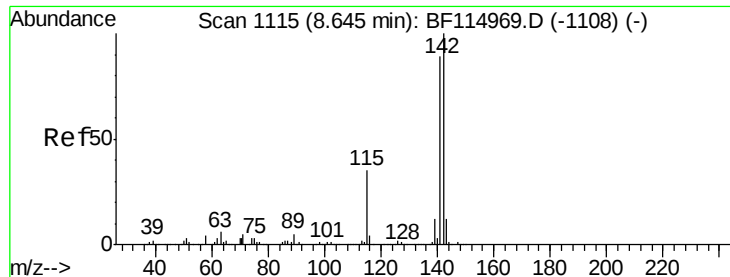
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





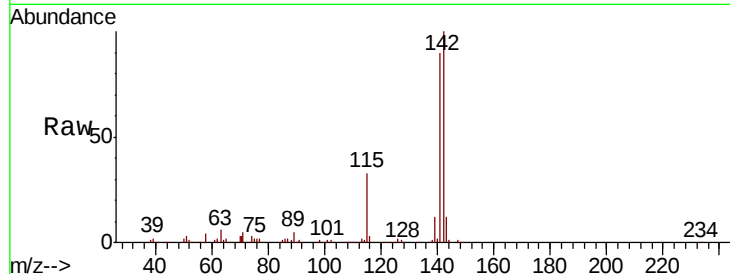
#37
2-Methylnaphthalene
Concen: 21.309 ng
RT: 8.64 min Scan# 1114
Delta R.T. -0.01 min
Lab File: BF114979.D
Acq: 12 Jun 2019 17:17

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2019

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.7	71.0	106.6
115	32.9	27.9	41.9

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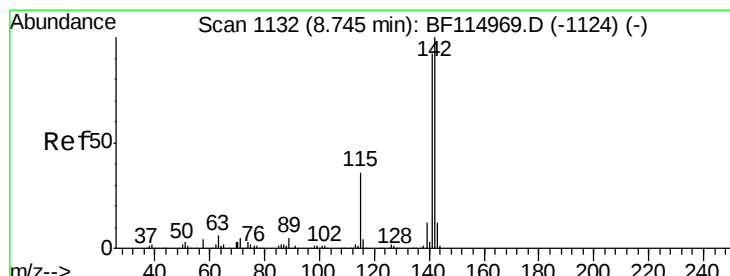
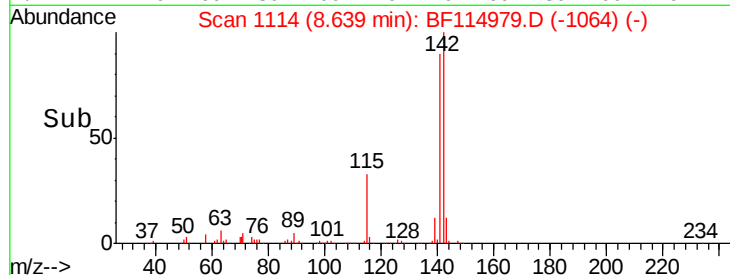
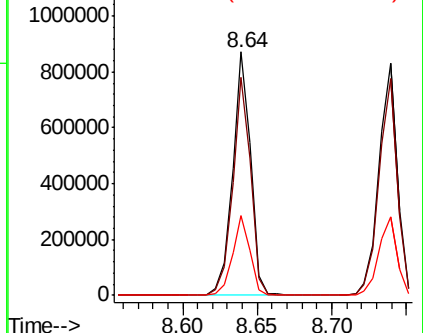


Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38
1-Methylnaphthalene
Concen: 21.186 ng
RT: 8.74 min Scan# 1131
Delta R.T. -0.01 min
Lab File: BF114979.D
Acq: 12 Jun 2019 17:17

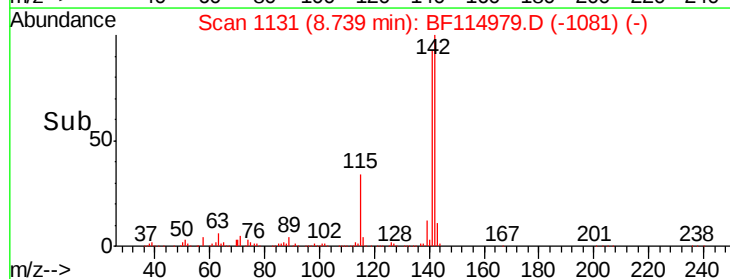
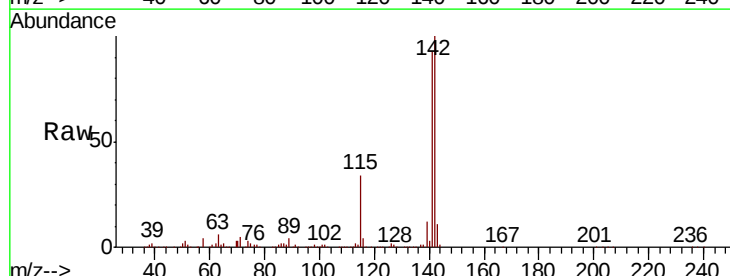
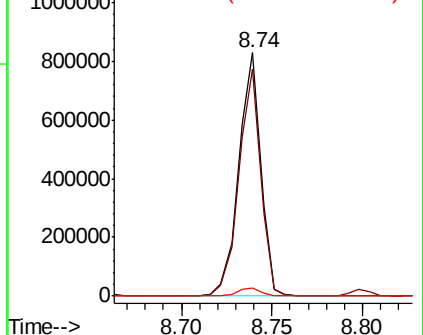
Tgt Ion	Ratio	Lower	Upper
142	100		
141	93.4	73.8	110.8
116	3.6	2.9	4.3

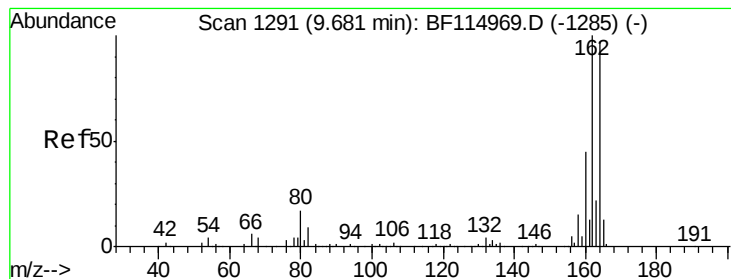
Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.67 min Scan# 1290

Delta R.T. -0.01 min

Lab File: BF114979.D

Acq: 12 Jun 2019 17:17

Instrument :

BNA_F

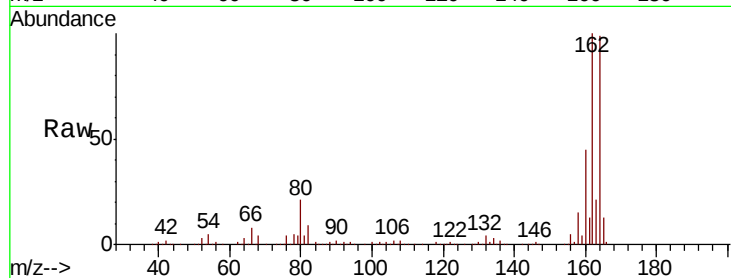
ClientSampleId :

LOQ-SOIL-02-QT2-2019

Tot Ion:	164	Resp:	533983
Ion Ratio	Lower	Upper	
164	100		
162	101.5	82.6	124.0
160	45.6	36.9	55.3

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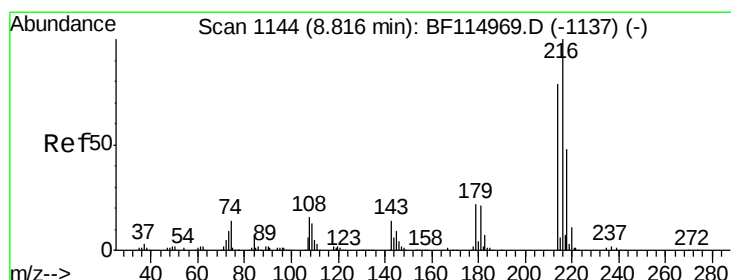
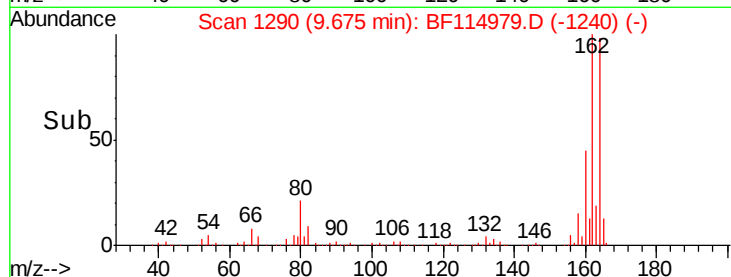
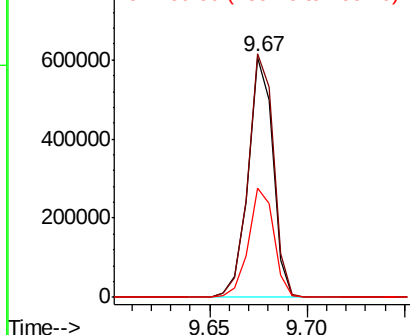


Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40

1,2,4,5-Tetrachlorobenzene

Concen: 21.407 ng

RT: 8.81 min Scan# 1143

Delta R.T. -0.01 min

Lab File: BF114979.D

Acq: 12 Jun 2019 17:17

Tgt Ion:	216	Resp:	337711
Ion Ratio	Lower	Upper	
216	100		
214	79.2	63.7	95.5
179	22.0	18.2	27.4
108	18.6	15.0	22.6

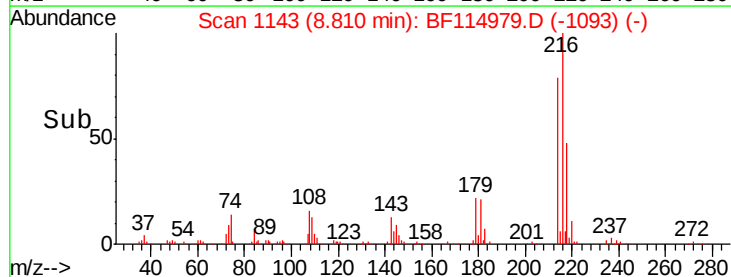
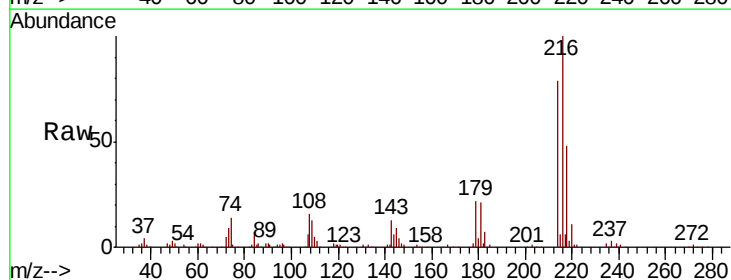
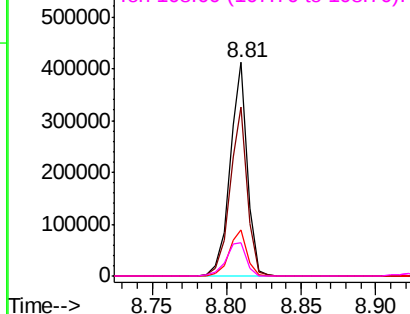
Abundance

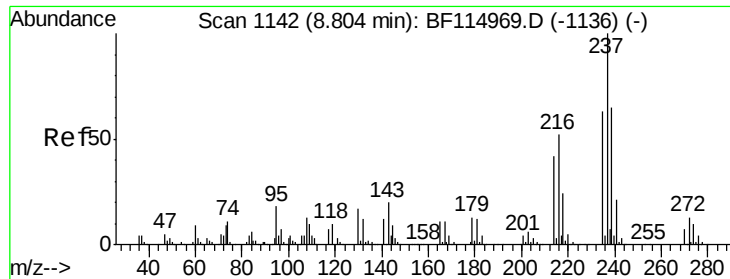
Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





#41

Hexachlorocyclopentadiene

Concen: 16.884 ng

RT: 8.80 min Scan# 1141

Delta R.T. -0.01 min

Lab File: BF114979.D

Acq: 12 Jun 2019 17:17

Instrument :

BNA_F

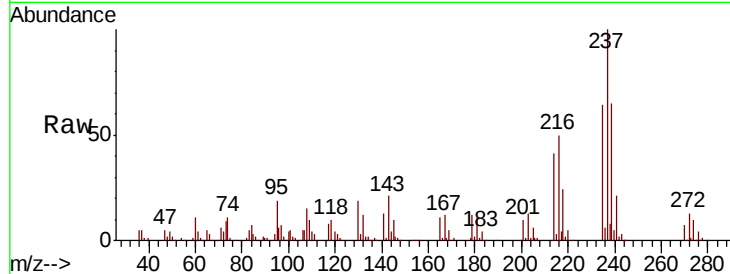
ClientSampleId :

LOQ-SOIL-02-QT2-2019

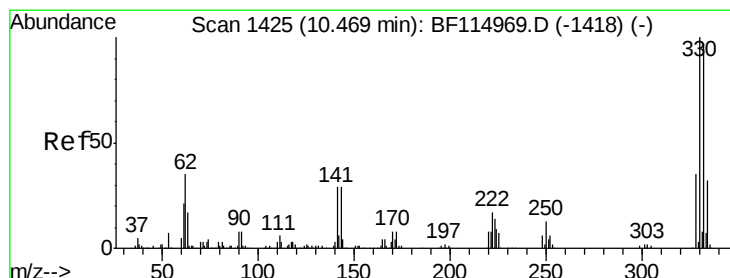
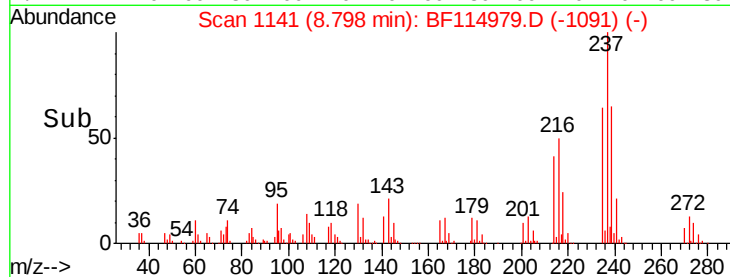
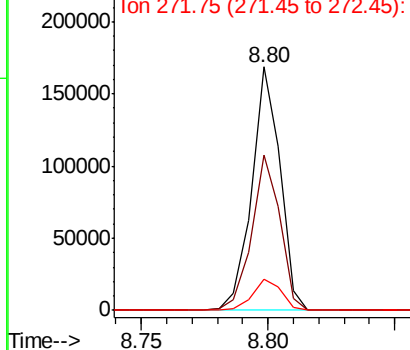
Tot Ion:	237	Resp:	131249
Ion Ratio	Lower	Upper	
237	100		
235	64.0	42.7	82.7
272	12.7	0.0	32.7

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Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E



#42

2,4,6-Tribromophenol

Concen: 80.950 ng

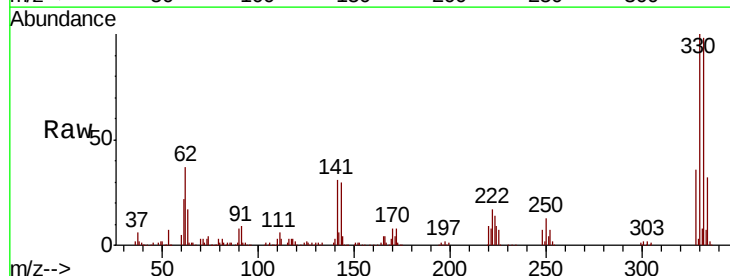
RT: 10.46 min Scan# 1424

Delta R.T. -0.01 min

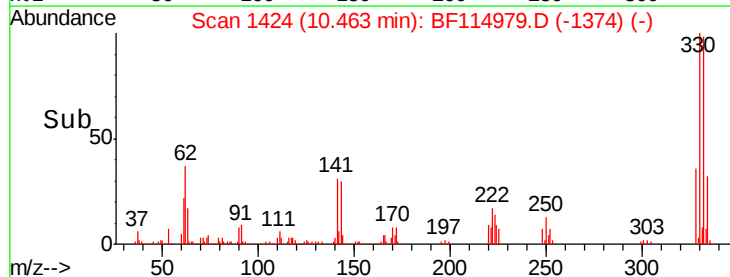
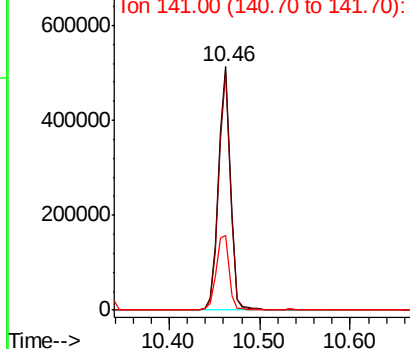
Lab File: BF114979.D

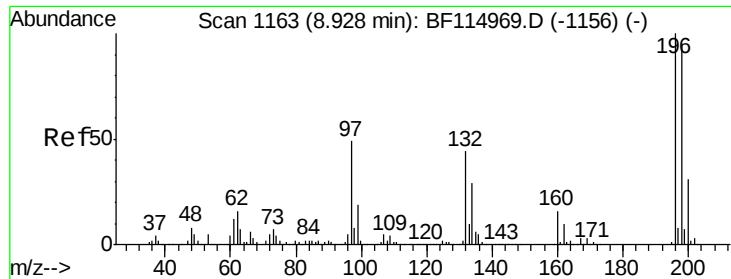
Acq: 12 Jun 2019 17:17

Tgt Ion:	330	Resp:	462889
Ion Ratio	Lower	Upper	
330	100		
332	96.1	77.6	116.4
141	33.9	27.2	40.8



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





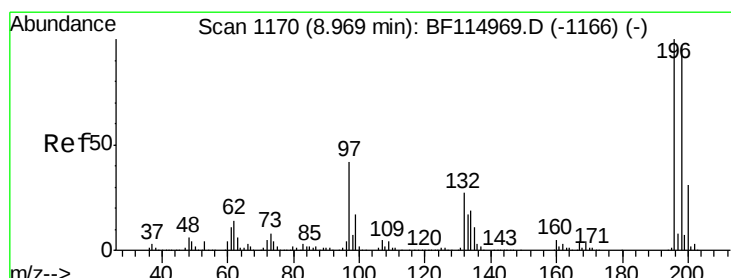
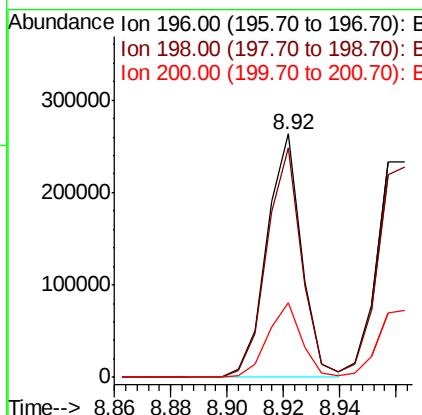
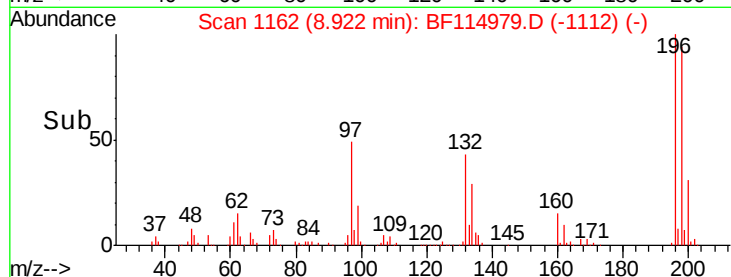
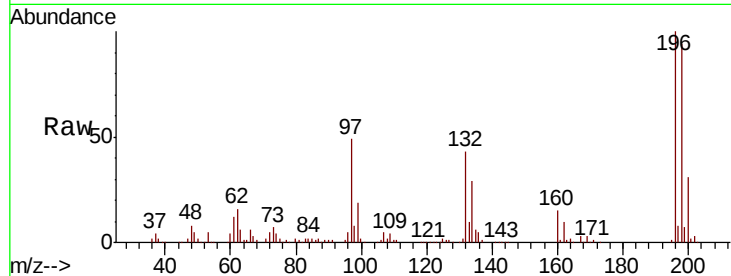
#43
 2,4,6-Trichlorophenol
 Concen: 19.076 ng
 RT: 8.92 min Scan# 1162
 Delta R.T. -0.01 min
 Lab File: BF114979.D
 Acq: 12 Jun 2019 17:17

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT2-2019

Tot Ion	Ratio	Resp	Lower	Upper
196	100	224772		
198	94.3	75.8	113.8	
200	30.6	24.9	37.3	

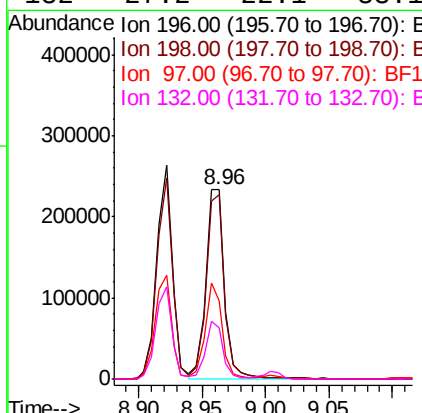
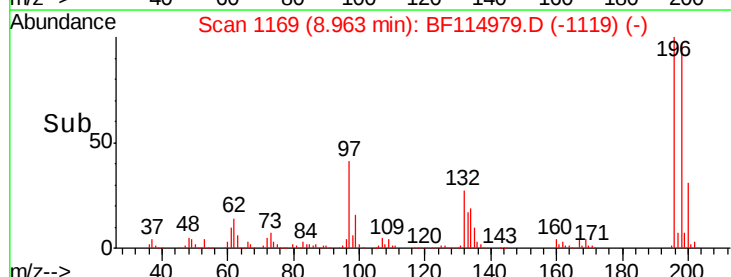
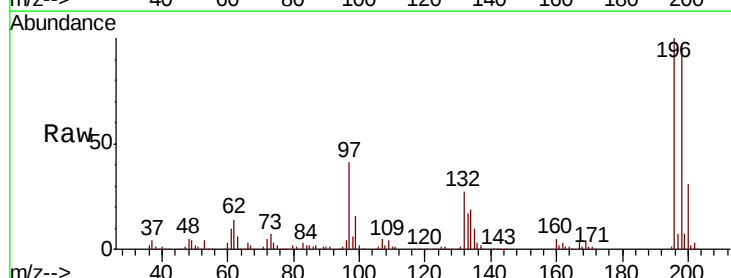
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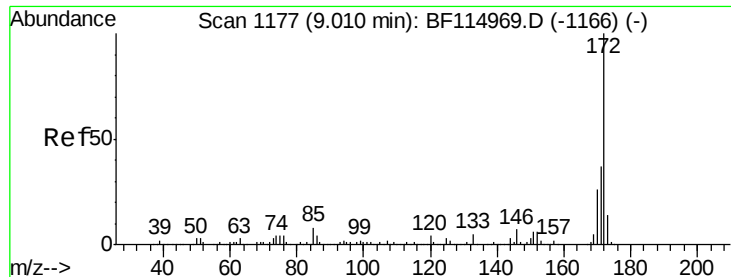
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#44
 2,4,5-Trichlorophenol
 Concen: 20.230 ng
 RT: 8.96 min Scan# 1169
 Delta R.T. -0.01 min
 Lab File: BF114979.D
 Acq: 12 Jun 2019 17:17

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	240894		
198	97.2	77.3	115.9	
97	41.3	34.2	51.4	
132	27.2	22.1	33.1	





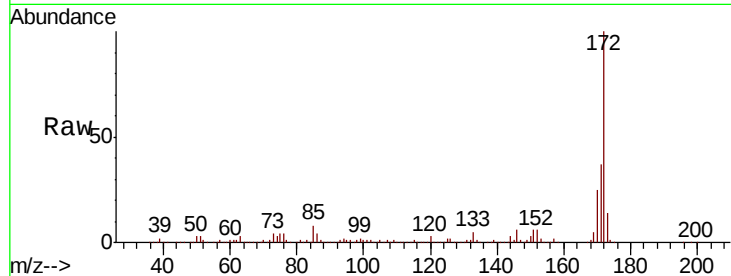
#45
2-Fluorobiphenyl
Concen: 56.807 ng
RT: 9.00 min Scan# 1176
Delta R.T. -0.01 min
Lab File: BF114979.D
Acq: 12 Jun 2019 17:17

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2019

Tot Ion	Ratio	Lower	Upper
172	100		
171	37.0	29.8	44.6
170	25.0	20.6	31.0

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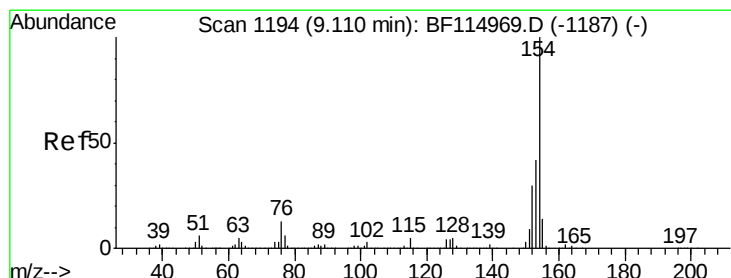
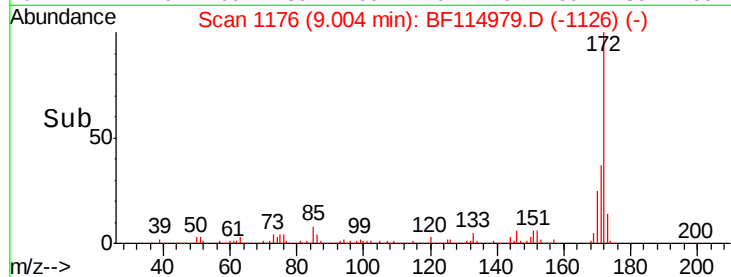
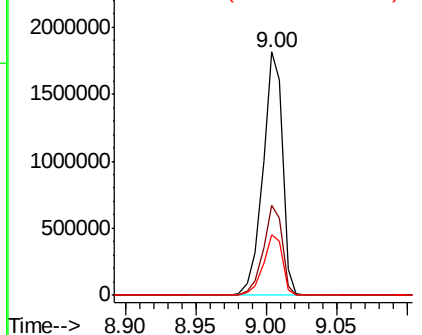


Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#46
1,1'-Biphenyl
Concen: 21.512 ng
RT: 9.10 min Scan# 1193
Delta R.T. -0.01 min
Lab File: BF114979.D
Acq: 12 Jun 2019 17:17

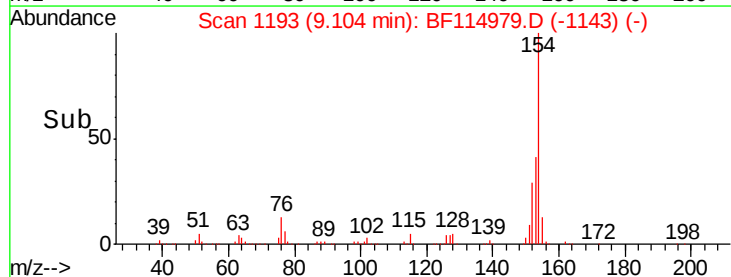
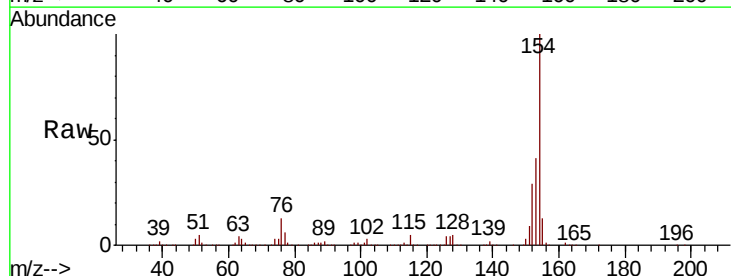
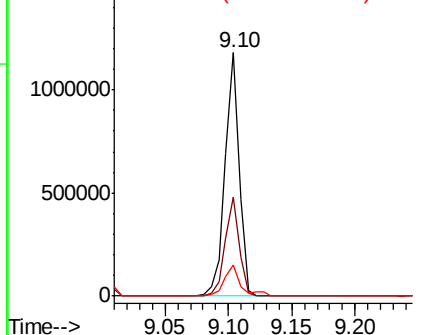
Tgt Ion	Ratio	Lower	Upper
154	100		
153	40.8	22.4	62.4
76	12.6	0.0	33.3

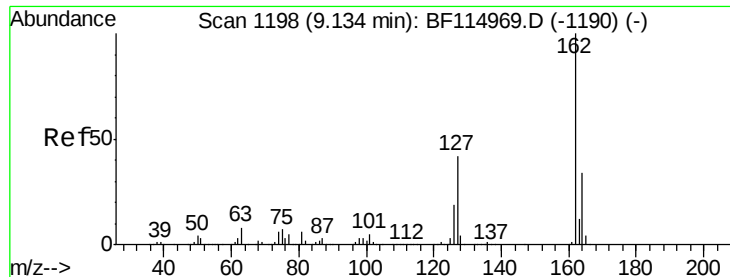
Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF1





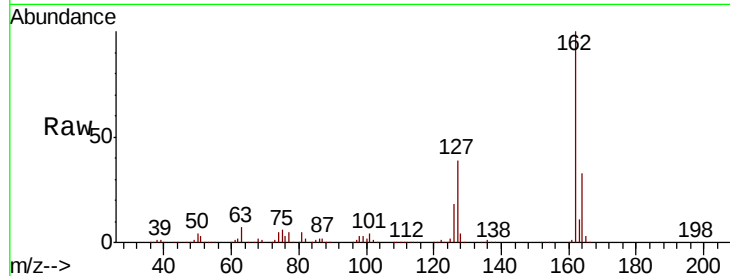
#47
2-Chloronaphthalene
Concen: 20.174 ng
RT: 9.13 min Scan# 1197
Delta R.T. -0.01 min
Lab File: BF114979.D
Acq: 12 Jun 2019 17:17

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2019

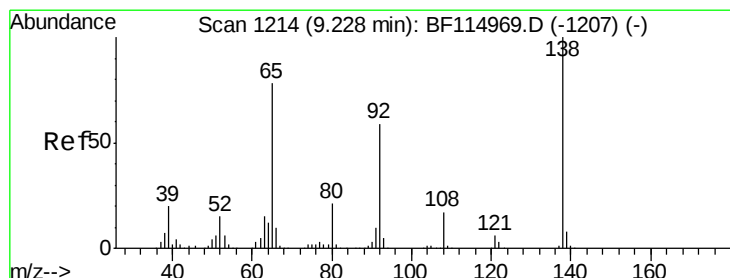
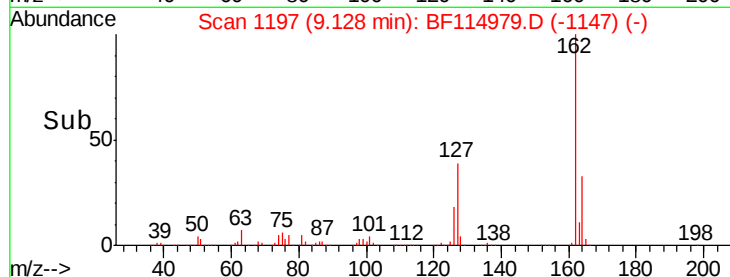
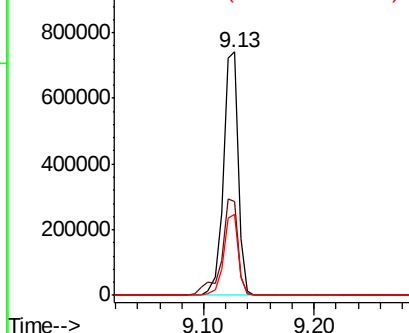
Tot Ion	Ratio	Resp	Lower	Upper
162	100	698054		
127	38.6		33.4	50.2
164	33.1		27.2	40.8

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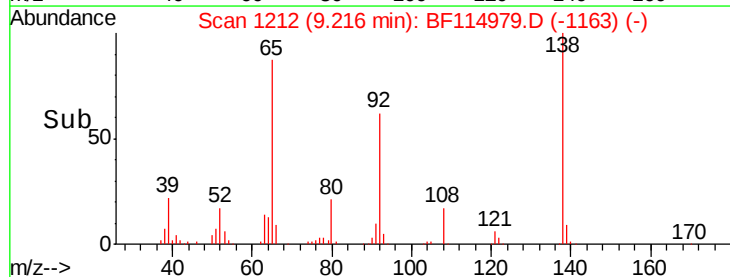
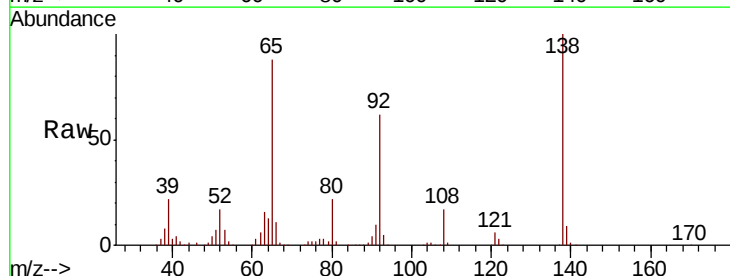
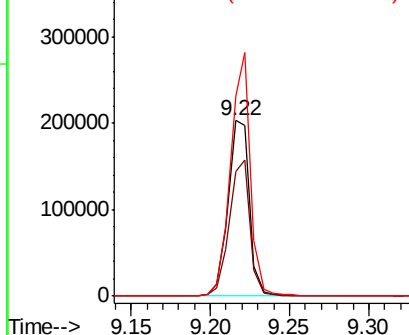
Abundance Ion 162.00 (161.70 to 162.70): E
Ion 127.00 (126.70 to 127.70): E
Ion 164.00 (163.70 to 164.70): E

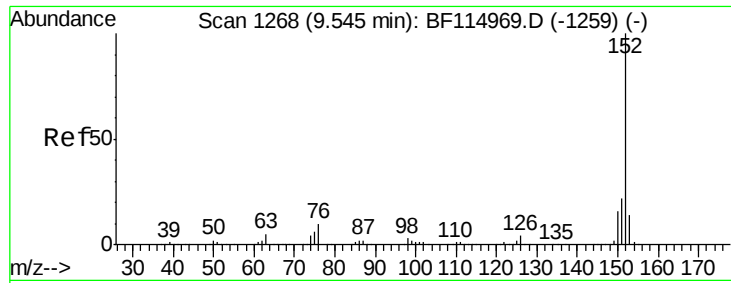


#48
2-Nitroaniline
Concen: 18.583 ng
RT: 9.22 min Scan# 1212
Delta R.T. -0.01 min
Lab File: BF114979.D
Acq: 12 Jun 2019 17:17

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	190054		
92	71.2		60.5	90.7
138	114.2		102.0	153.0

Abundance Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1
Ion 138.00 (137.70 to 138.70): E





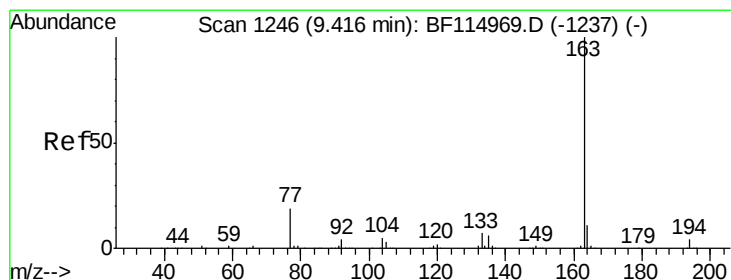
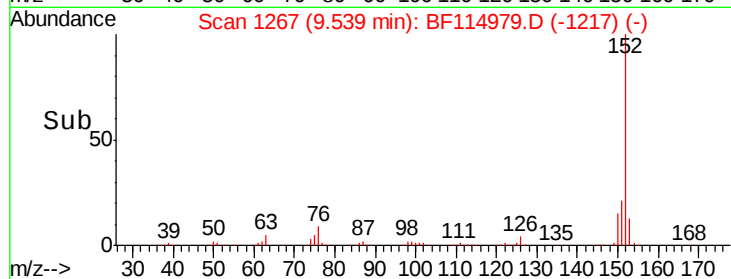
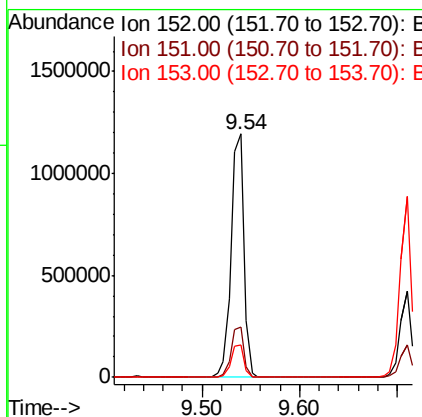
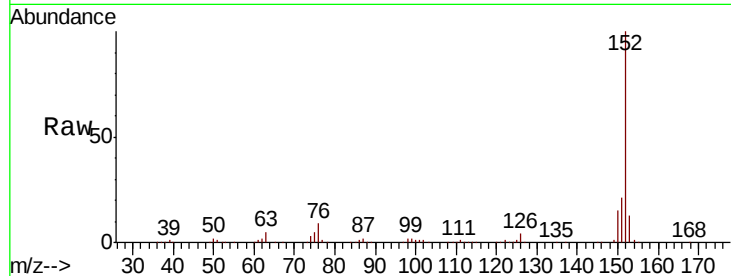
#49
Acenaphthylene
Concen: 20.574 ng
RT: 9.54 min Scan# 1267
Delta R.T. -0.01 min
Lab File: BF114979.D
Acq: 12 Jun 2019 17:17

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2019

Tot Ion	Ratio	Lower	Upper
152	100		
151	20.5	17.5	26.3
153	13.3	11.2	16.8

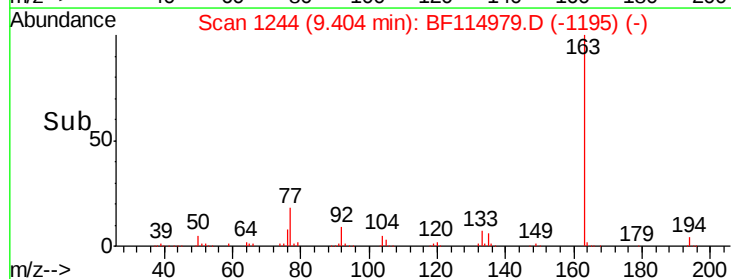
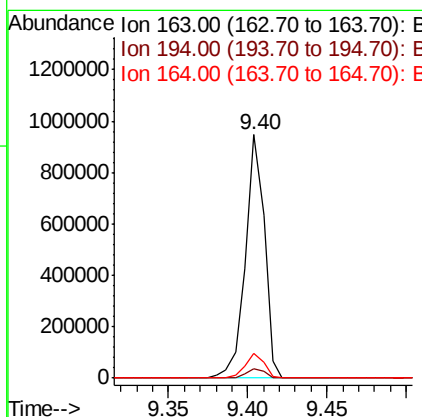
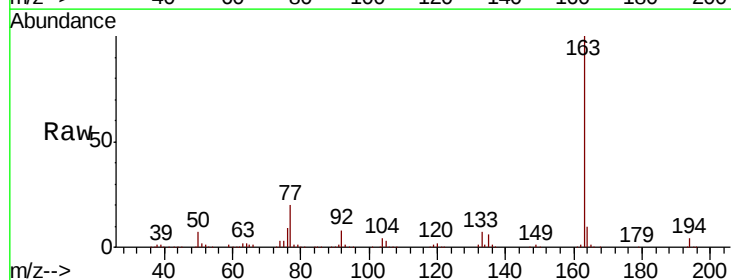
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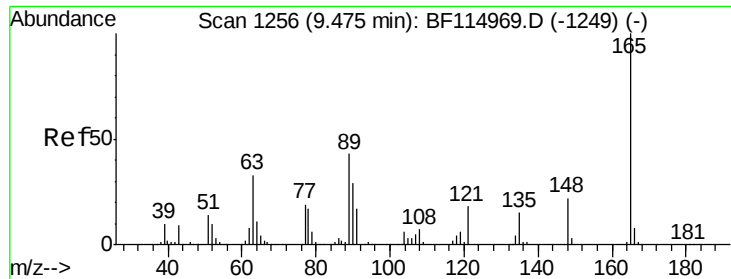
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#50
Dimethylphthalate
Concen: 19.625 ng
RT: 9.40 min Scan# 1244
Delta R.T. -0.01 min
Lab File: BF114979.D
Acq: 12 Jun 2019 17:17

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.3	4.9
164	10.2	8.6	12.8





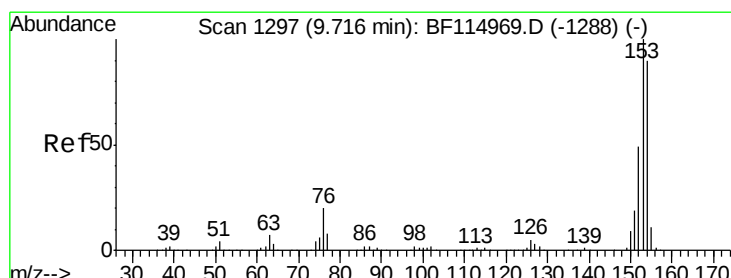
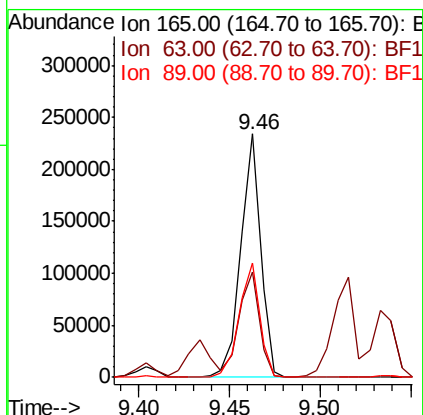
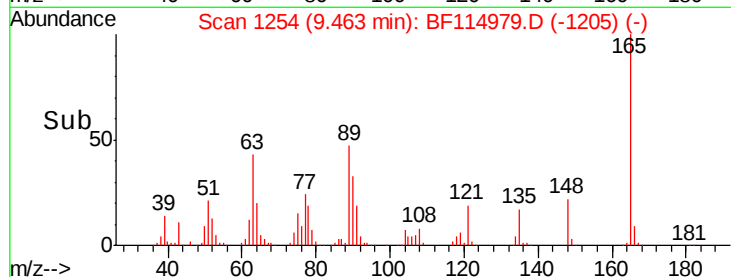
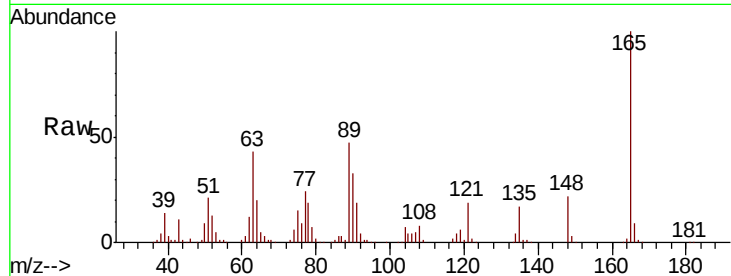
#51
 2,6-Dinitrotoluene
 Concen: 19.783 ng
 RT: 9.46 min Scan# 1254
 Delta R.T. -0.01 min
 Lab File: BF114979.D
 Acq: 12 Jun 2019 17:17

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT2-2019

Tot Ion:	165	Resp:	180205
Ion Ratio		Lower	Upper
165	100		
63	43.5	30.6	46.0
89	46.8	34.4	51.6

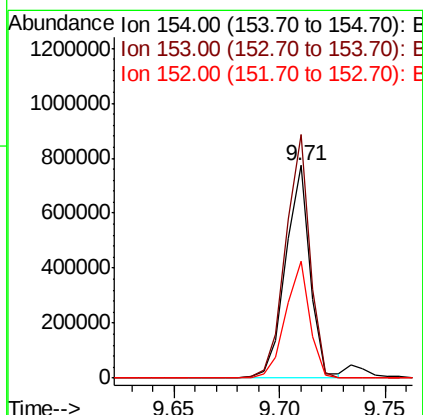
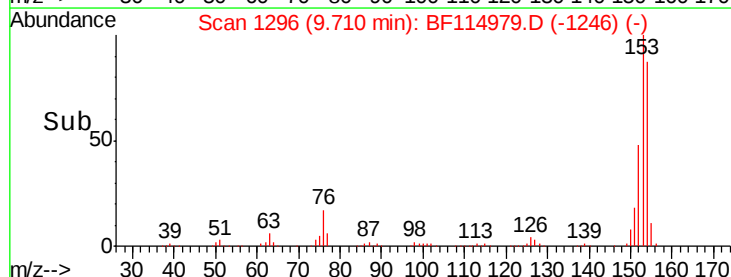
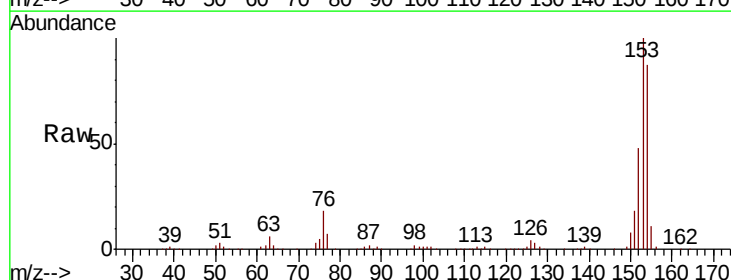
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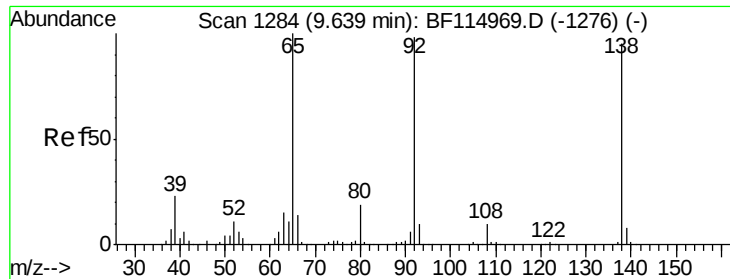
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#52
 Acenaphthene
 Concen: 20.626 ng
 RT: 9.71 min Scan# 1296
 Delta R.T. -0.01 min
 Lab File: BF114979.D
 Acq: 12 Jun 2019 17:17

Tgt Ion:	154	Resp:	627818
Ion Ratio		Lower	Upper
154	100		
153	114.6	88.5	132.7
152	55.0	43.6	65.4





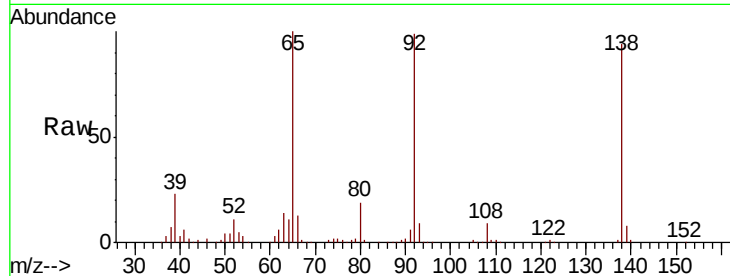
#53
3-Nitroaniline
Concen: 18.231 ng
RT: 9.63 min Scan# 1282
Delta R.T. -0.01 min
Lab File: BF114979.D
Acq: 12 Jun 2019 17:17

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2019

Tot Ion	Ratio	Lower	Upper
138	100		
108	9.6	8.0	12.0
92	104.5	82.4	123.6

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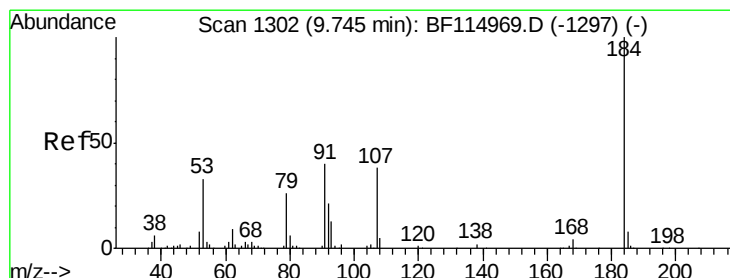
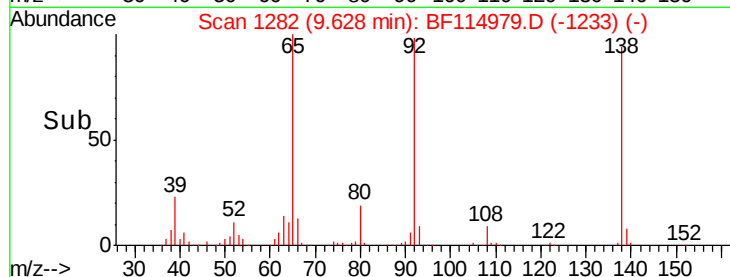
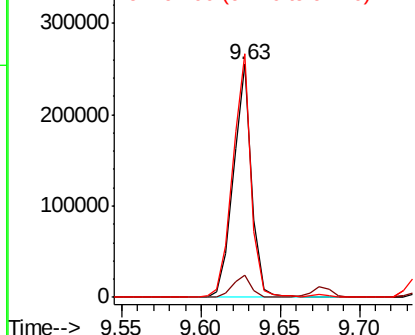


Abundance

Ion 138.00 (137.70 to 138.70): E

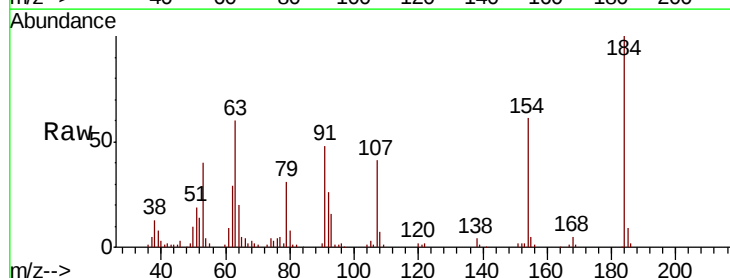
Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1



#54
2,4-Dinitrophenol
Concen: 17.540 ng
RT: 9.73 min Scan# 1300
Delta R.T. -0.01 min
Lab File: BF114979.D
Acq: 12 Jun 2019 17:17

Tgt Ion	Ratio	Lower	Upper
184	100		
63	60.2	40.5	60.7
154	61.1	44.8	67.2

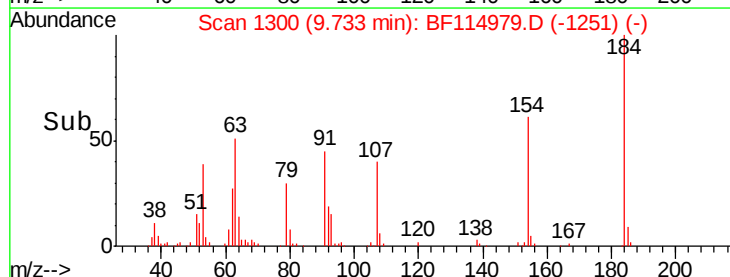
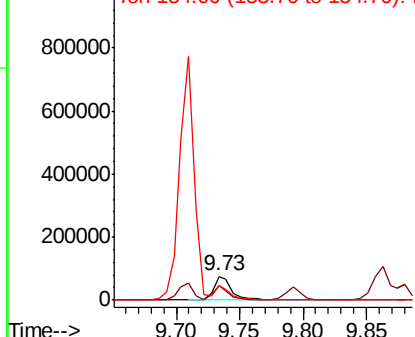


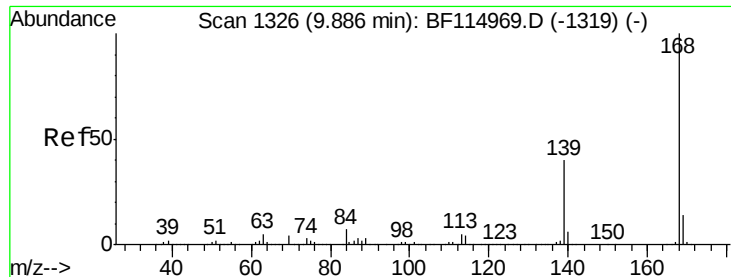
Abundance

Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E





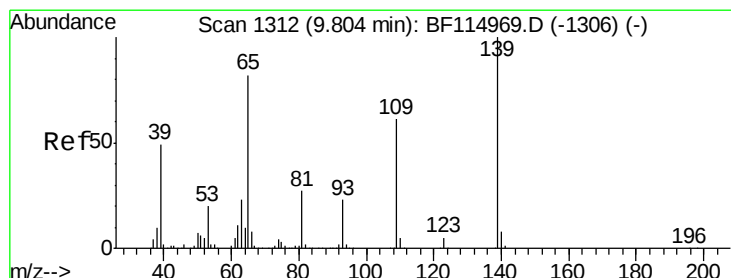
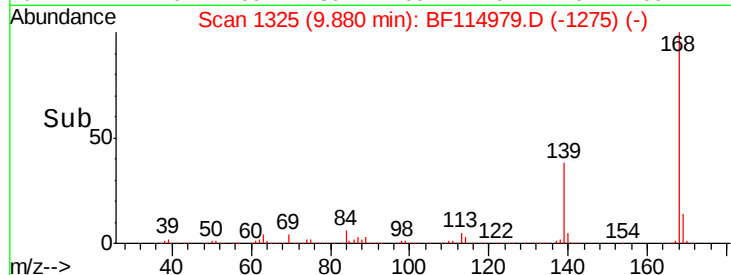
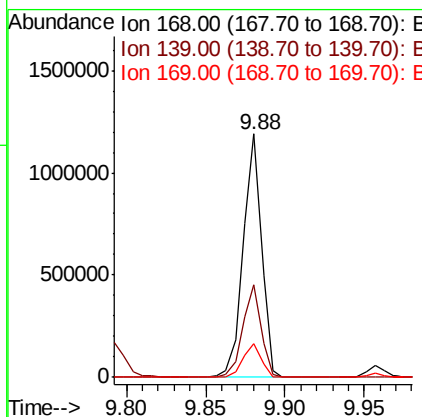
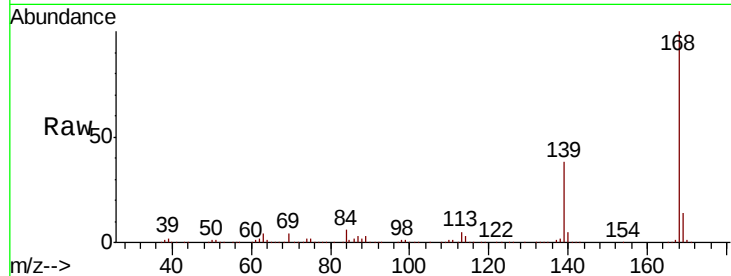
#55
Dibenzenofuran
Concen: 20.863 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BF114979.D
Acq: 12 Jun 2019 17:17

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2019

Tot Ion	Ratio	Resp	Lower	Upper
168	100			
139	38.3		32.5	48.7
169	13.6		11.5	17.3

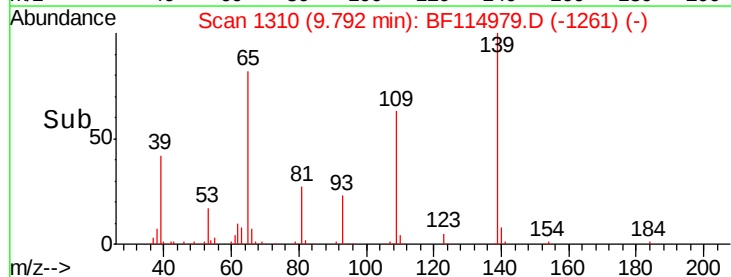
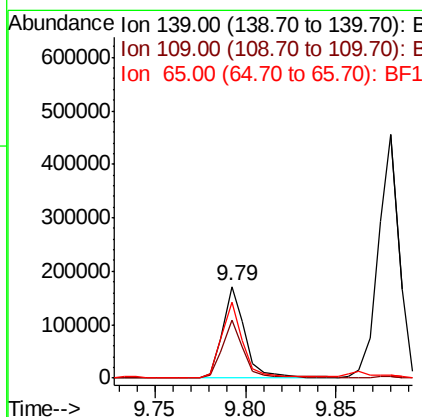
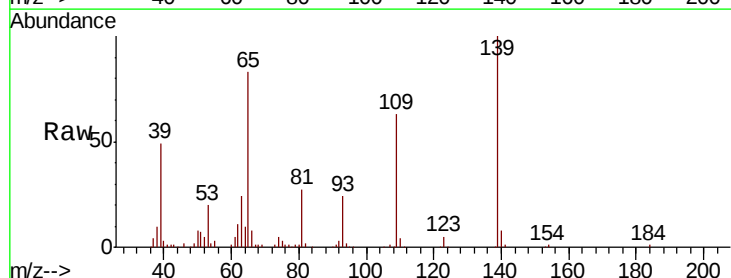
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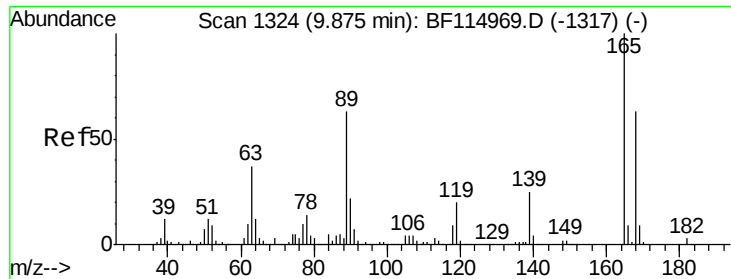
mohammad
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#56
4-Nitrophenol
Concen: 19.305 ng
RT: 9.79 min Scan# 1310
Delta R.T. -0.01 min
Lab File: BF114979.D
Acq: 12 Jun 2019 17:17

Tgt Ion	Ratio	Resp	Lower	Upper
139	100			
109	63.2		41.4	81.4
65	82.7		62.7	102.7





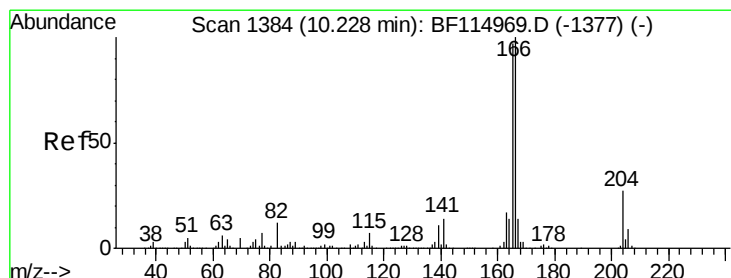
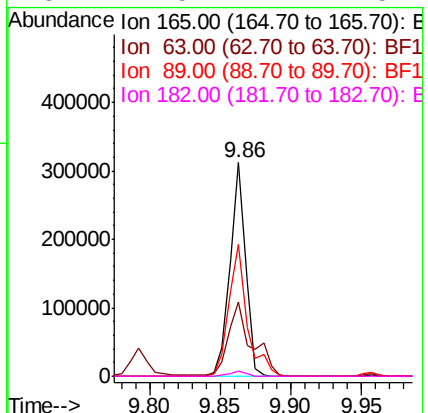
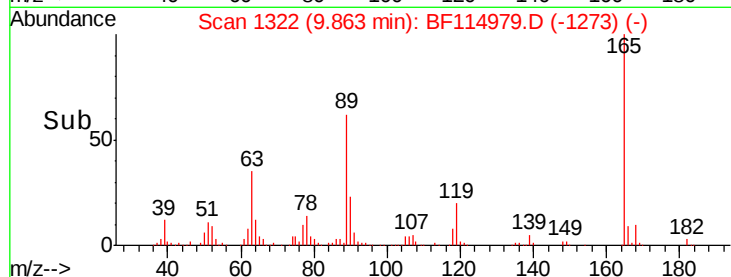
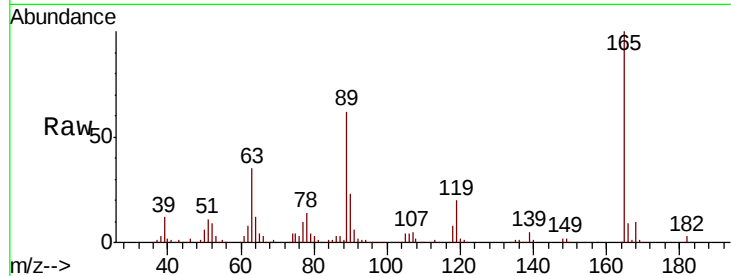
#57
 2,4-Dinitrotoluene
 Concen: 20.831 ng
 RT: 9.86 min Scan# 1322
 Delta R.T. -0.01 min
 Lab File: BF114979.D
 Acq: 12 Jun 2019 17:17

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT2-2019

Tot Ion	Ion	Ratio	Resp	Lower	Upper
165	100		241519		
63	34.9	29.4	44.2		
89	61.7	50.6	75.8		
182	2.5	2.2	3.2		

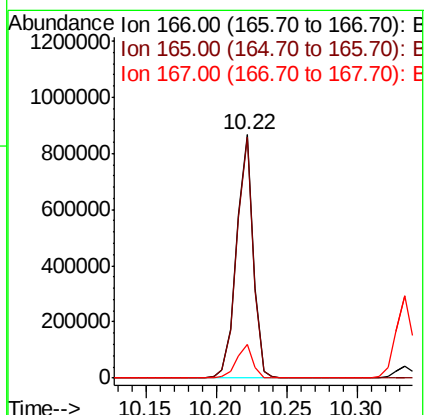
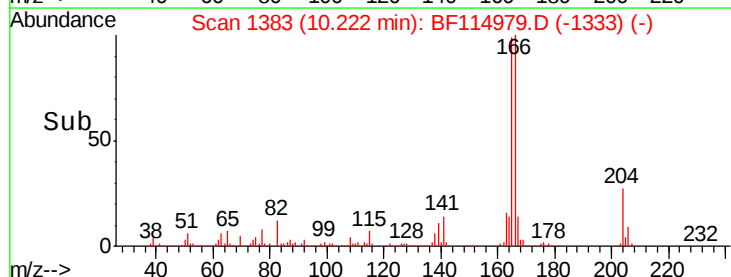
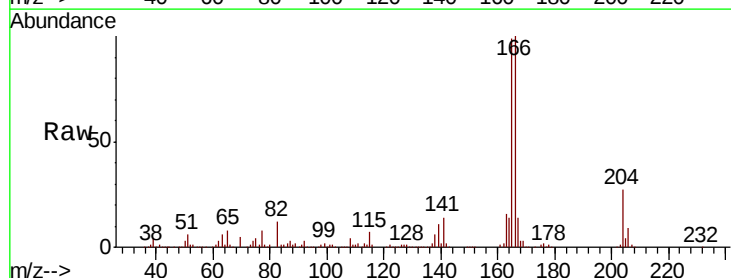
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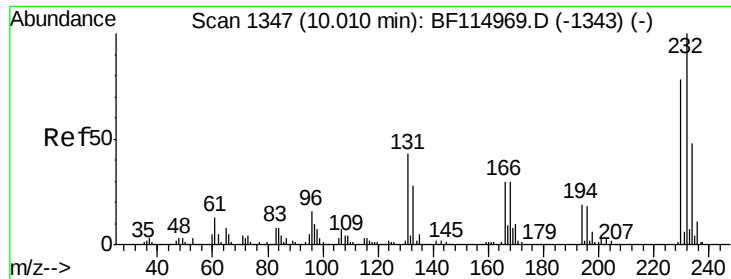
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#58
 Fluorene
 Concen: 21.152 ng
 RT: 10.22 min Scan# 1383
 Delta R.T. -0.01 min
 Lab File: BF114979.D
 Acq: 12 Jun 2019 17:17

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
166	100		709712		
165	99.3	77.6	116.4		
167	13.6	11.0	16.4		





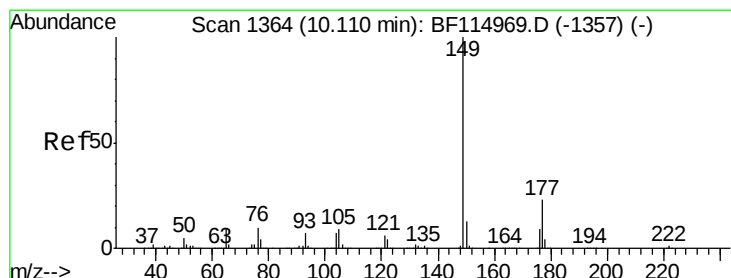
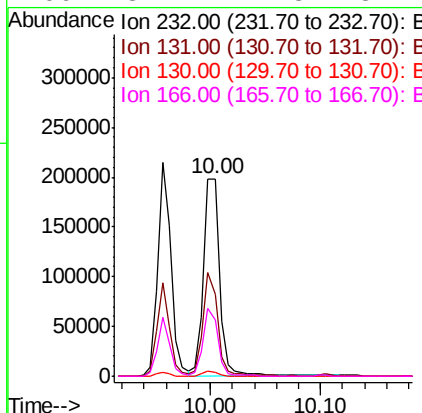
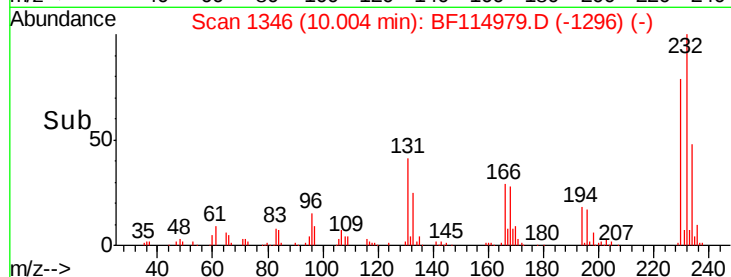
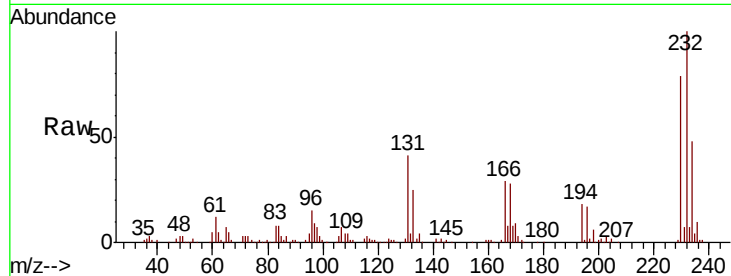
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 20.261 ng
 RT: 10.00 min Scan# 1346
 Delta R.T. -0.01 min
 Lab File: BF114979.D
 Acq: 12 Jun 2019 17:17

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT2-2019

Tot Ion:	232	Resp:	194886
Ion Ratio	Lower	Upper	
232	100		
131	47.2	36.9	55.3
130	2.2	1.8	2.6
166	31.4	24.8	37.2

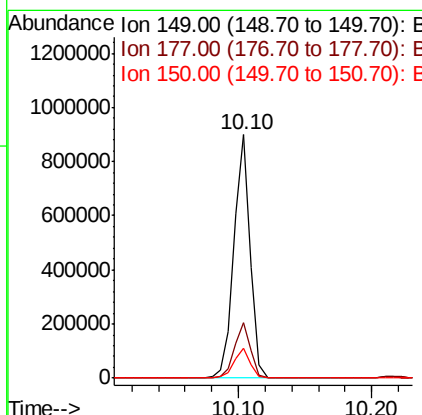
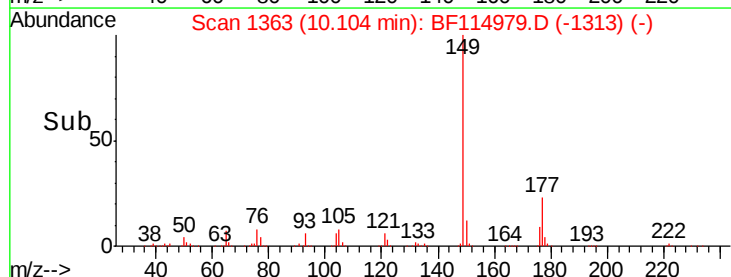
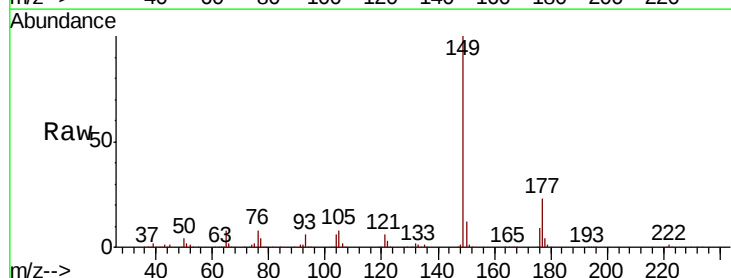
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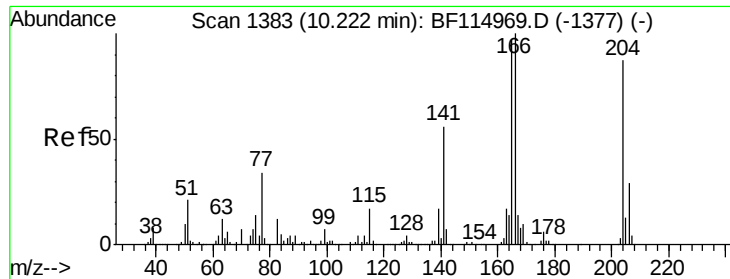
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#60
 Diethylphthalate
 Concen: 20.051 ng
 RT: 10.10 min Scan# 1363
 Delta R.T. -0.01 min
 Lab File: BF114979.D
 Acq: 12 Jun 2019 17:17

Tgt Ion:	149	Resp:	769892
Ion Ratio	Lower	Upper	
149	100		
177	22.7	18.6	27.8
150	12.4	10.5	15.7





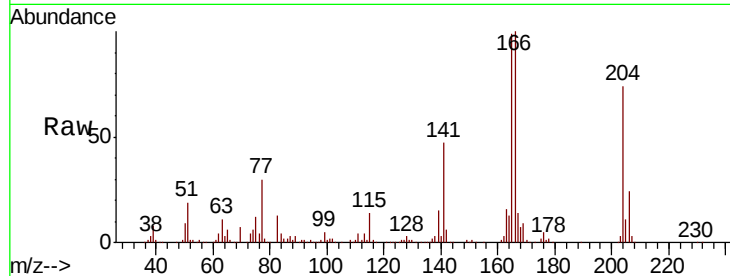
#61
 4-Chlorophenyl-phenylether
 Concen: 20.639 ng
 RT: 10.22 min Scan# 1382
 Delta R.T. -0.01 min
 Lab File: BF114979.D
 Acq: 12 Jun 2019 17:17

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT2-2019

Tot Ion	Ratio	Lower	Upper
204	100		
206	33.0	26.5	39.7
141	63.0	51.8	77.8

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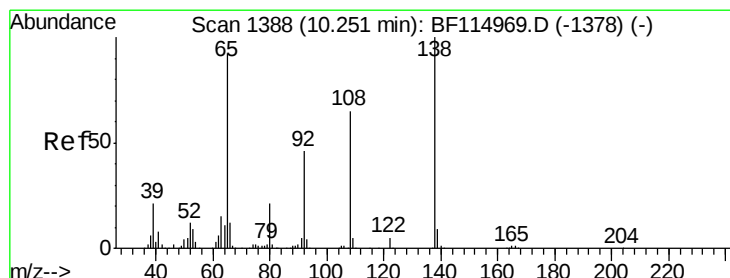
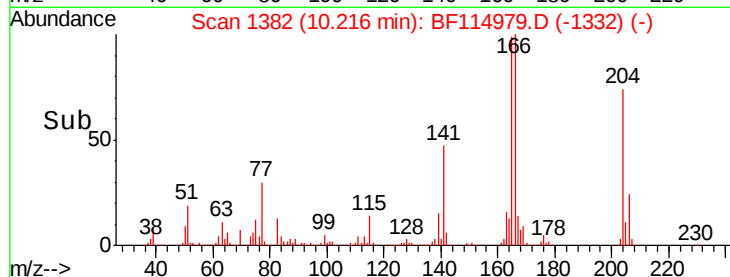
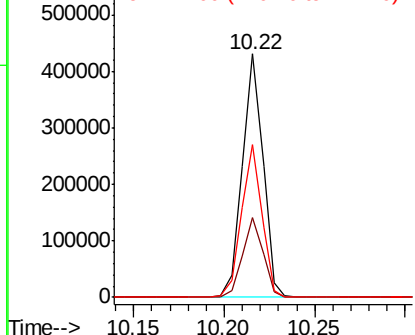


Abundance

Ion 204.00 (203.70 to 204.70): E

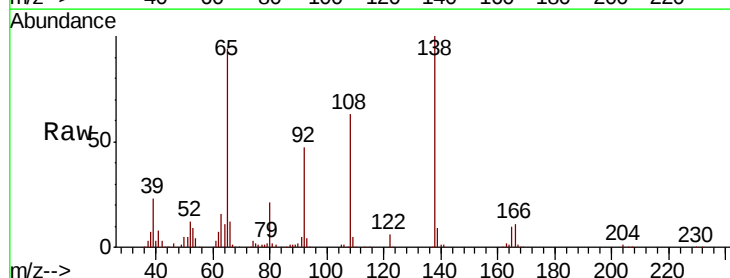
Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E



#62
 4-Nitroaniline
 Concen: 18.436 ng
 RT: 10.23 min Scan# 1385
 Delta R.T. -0.02 min
 Lab File: BF114979.D
 Acq: 12 Jun 2019 17:17

Tgt Ion	Ratio	Lower	Upper
138	100		
92	46.7	25.7	65.7
108	62.6	44.6	84.6

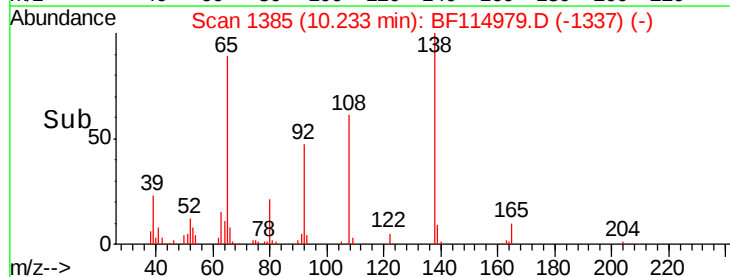
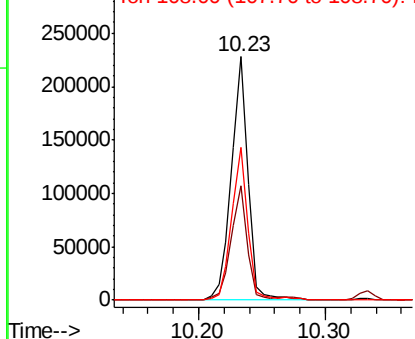


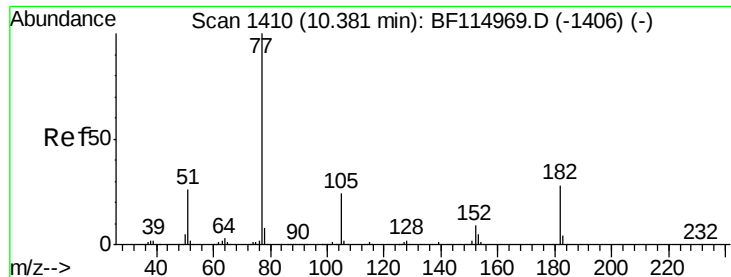
Abundance

Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF1

Ion 108.00 (107.70 to 108.70): E





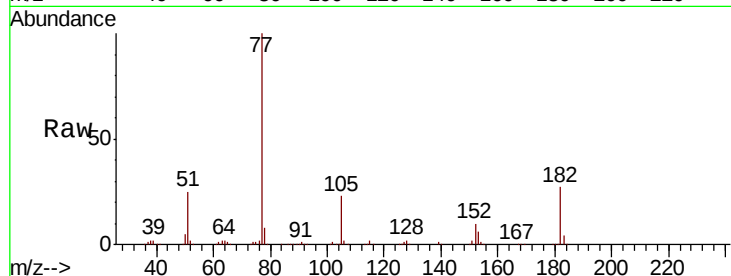
#63
Azobenzene
Concen: 21.004 ng
RT: 10.37 min Scan# 1409
Delta R.T. -0.01 min
Lab File: BF114979.D
Acq: 12 Jun 2019 17:17

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2019

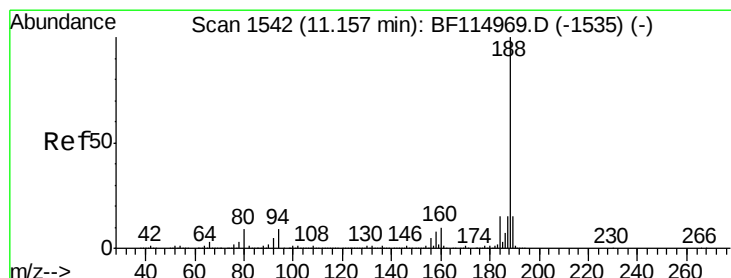
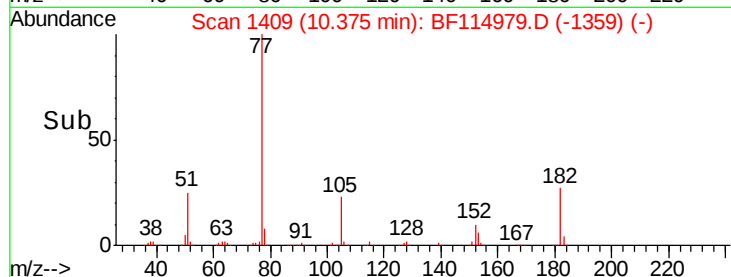
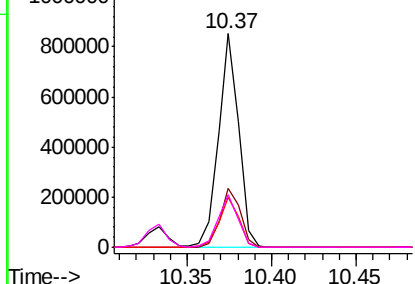
Tot Ion	Ratio	Lower	Upper
77	100		
182	27.4	7.4	47.4
105	23.3	4.2	44.2
51	24.7	6.2	46.2

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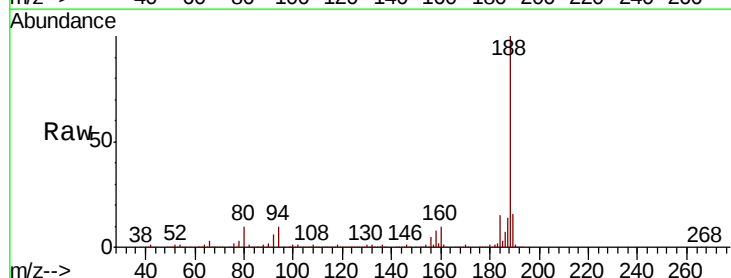


Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 182.00 (181.70 to 182.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 51.00 (50.70 to 51.70): BF1

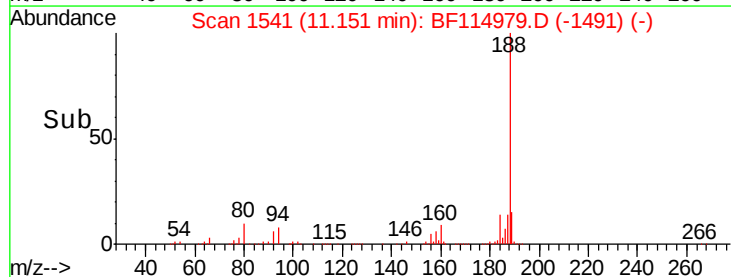
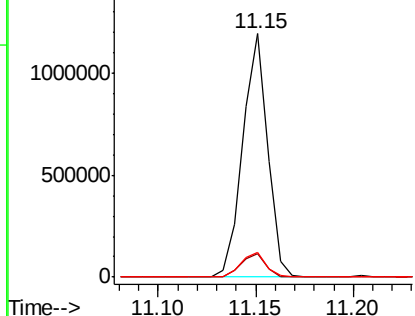


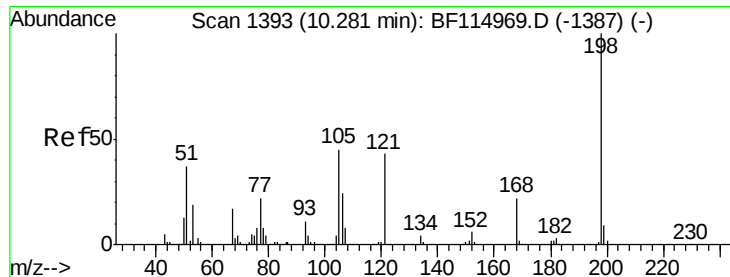
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.15 min Scan# 1541
Delta R.T. -0.01 min
Lab File: BF114979.D
Acq: 12 Jun 2019 17:17

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.6	7.2	10.8
80	10.0	7.4	11.2



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1





#65

4,6-Dinitro-2-methylphenol

Concen: 18.257 ng

RT: 10.27 min Scan# 1391

Delta R.T. -0.01 min

Lab File: BF114979.D

Acq: 12 Jun 2019 17:17

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2019

Tot Ion:198 Resp: 107983

Ion Ratio Lower Upper

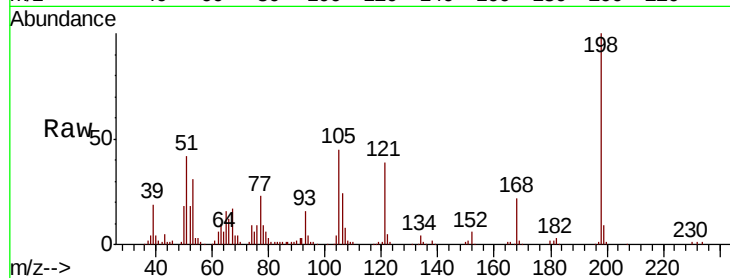
198 100

51 41.7 23.0 63.0

105 44.9 26.5 66.5

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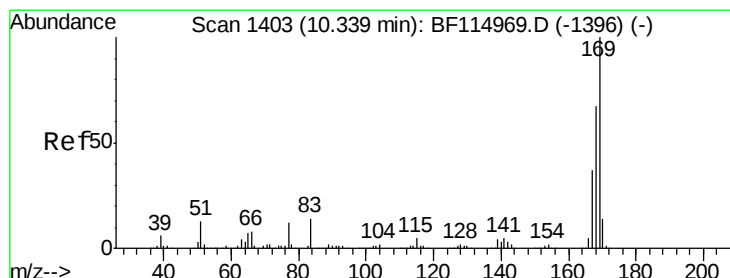
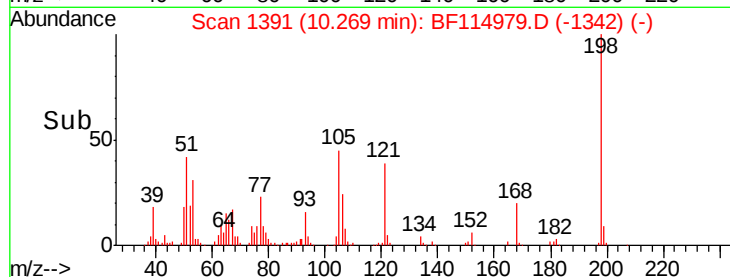
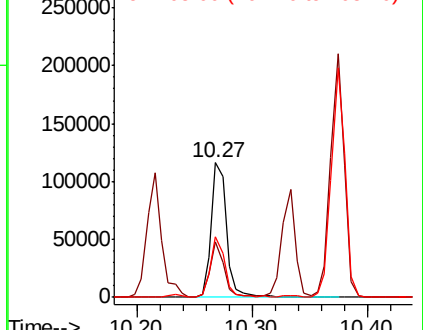
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Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 20.600 ng

RT: 10.33 min Scan# 1402

Delta R.T. -0.01 min

Lab File: BF114979.D

Acq: 12 Jun 2019 17:17

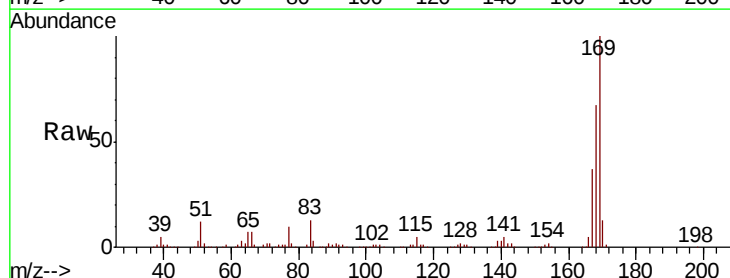
Tgt Ion:169 Resp: 649833

Ion Ratio Lower Upper

169 100

168 67.3 53.6 80.4

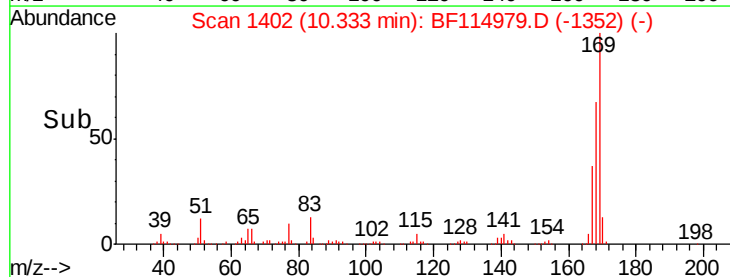
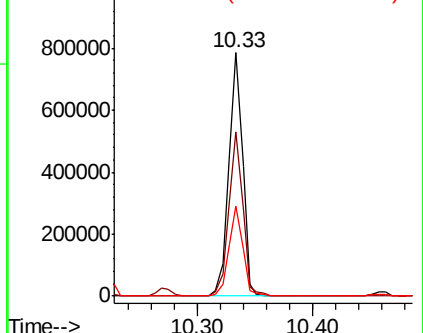
167 37.2 29.6 44.4

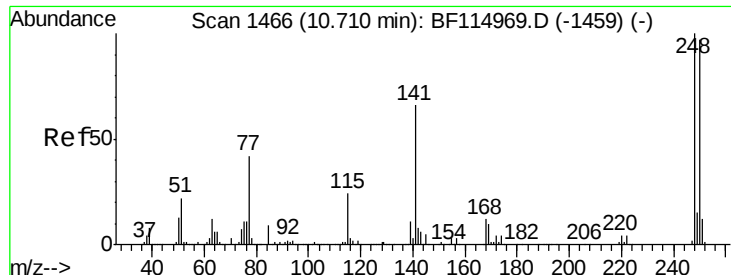


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





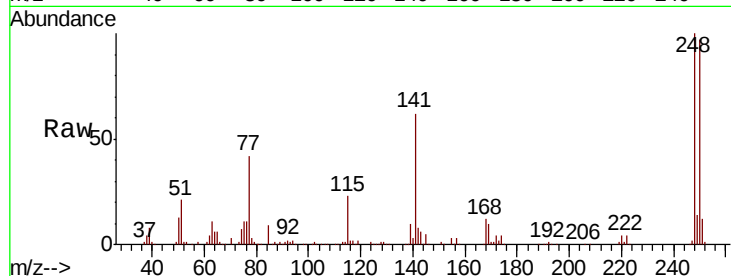
#67
4-Bromophenyl-phenylether
Concen: 19.493 ng
RT: 10.70 min Scan# 1465
Delta R.T. -0.01 min
Lab File: BF114979.D
Acq: 12 Jun 2019 17:17

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2019

Tot Ion	Ratio	Lower	Upper
248	100		
250	97.0	77.8	116.8
141	62.2	53.1	79.7

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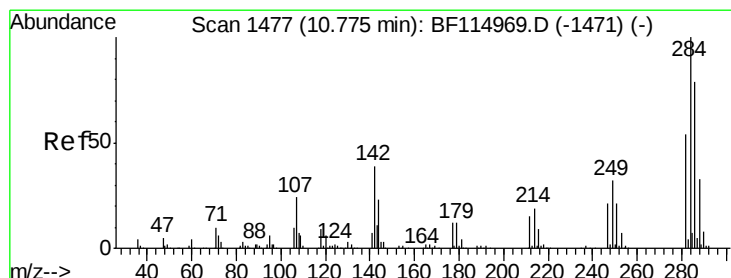
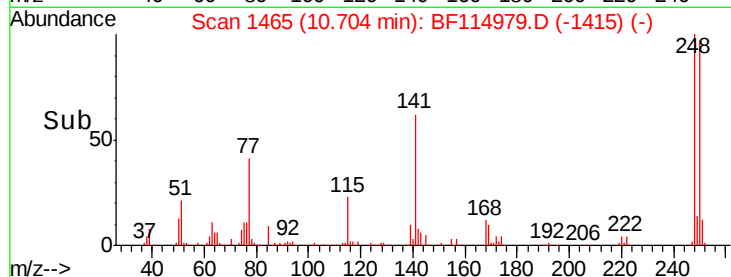
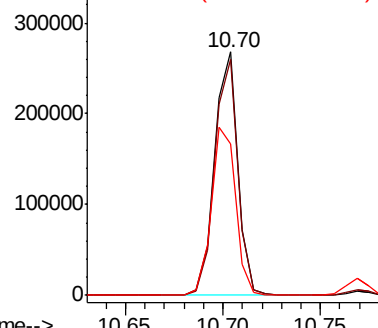


Abundance

Ion 248.00 (247.70 to 248.70): E

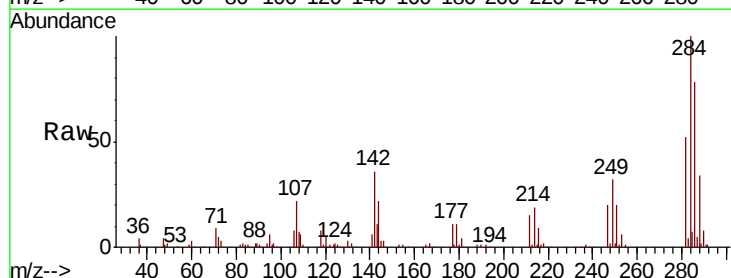
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#68
Hexachlorobenzene
Concen: 19.352 ng
RT: 10.77 min Scan# 1476
Delta R.T. -0.01 min
Lab File: BF114979.D
Acq: 12 Jun 2019 17:17

Tgt Ion	Ratio	Lower	Upper
284	100		
142	36.3	31.5	47.3
249	31.7	25.6	38.4

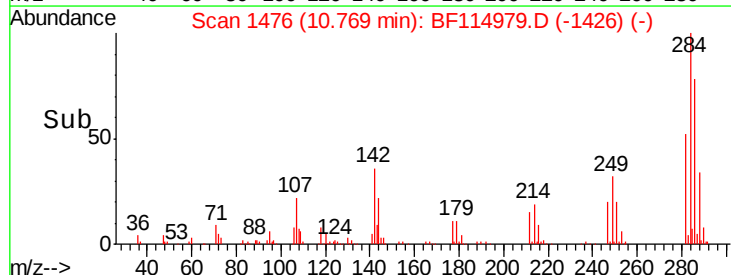
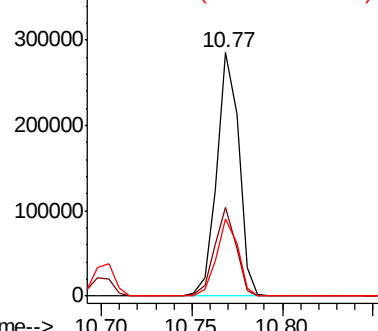


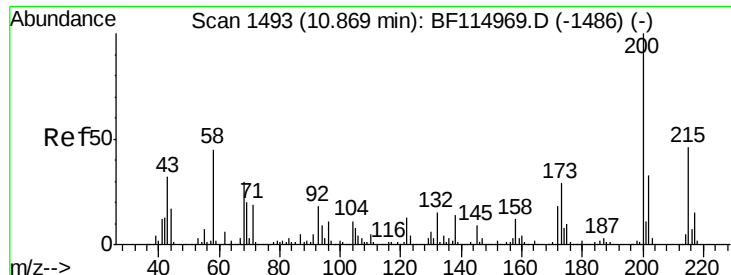
Abundance

Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





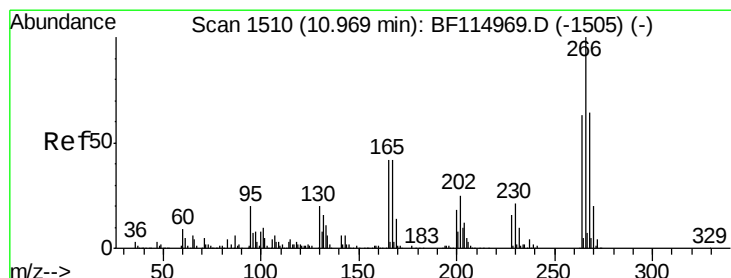
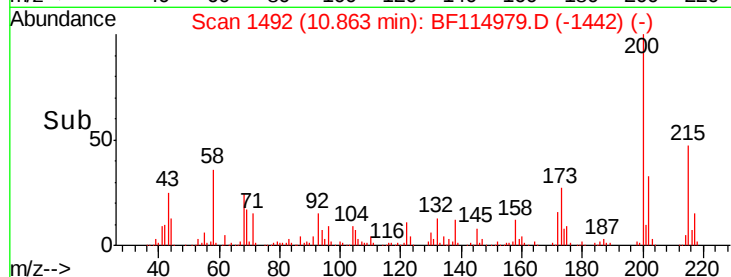
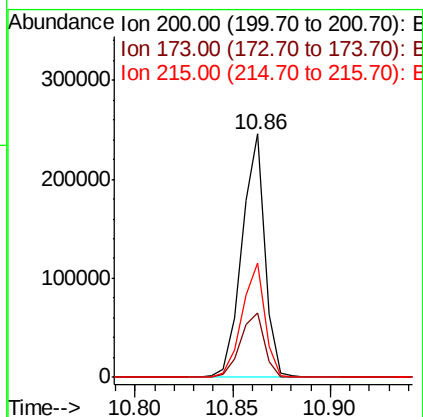
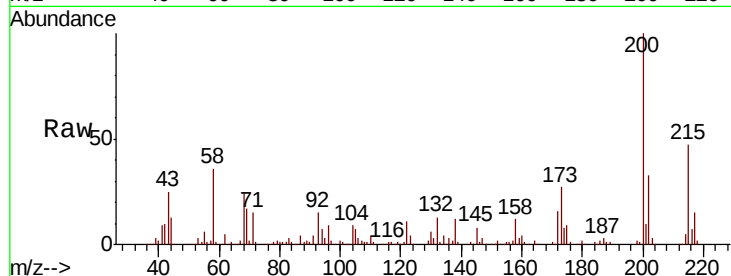
#69
Atrazine
Concen: 19.639 ng
RT: 10.86 min Scan# 1492
Delta R.T. -0.01 min
Lab File: BF114979.D
Acq: 12 Jun 2019 17:17

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2019

Tot Ion	Ratio	Resp Lower	Upper
200	100		
173	26.6	9.0	49.0
215	47.0	26.5	66.5

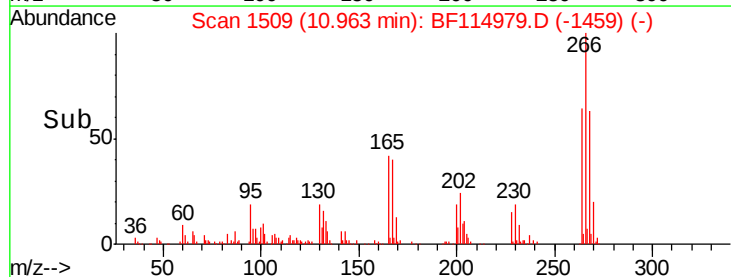
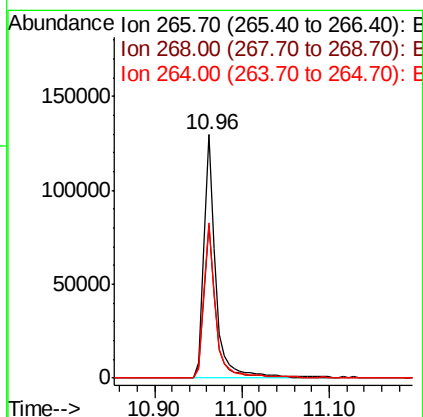
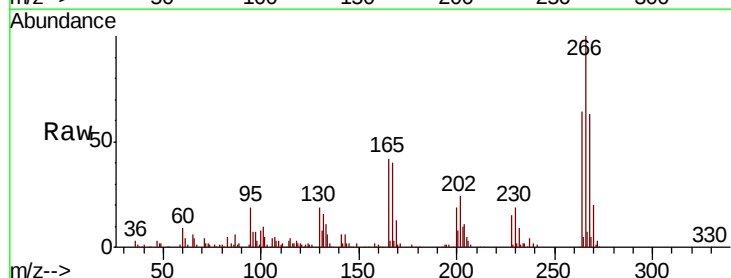
Manual Integrations
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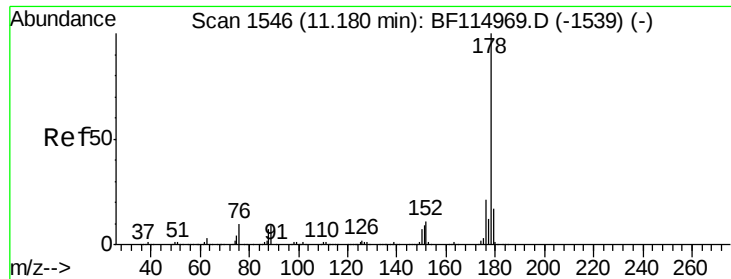
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#70
Pentachlorophenol
Concen: 18.391 ng
RT: 10.96 min Scan# 1509
Delta R.T. -0.01 min
Lab File: BF114979.D
Acq: 12 Jun 2019 17:17

Tgt Ion	Ratio	Resp Lower	Upper
266	100		
268	62.9	51.4	77.2
264	63.7	50.3	75.5





#71

Phenanthrene

Concen: 20.571 ng

RT: 11.17 min Scan# 1545

Delta R.T. -0.01 min

Lab File: BF114979.D

Acq: 12 Jun 2019 17:17

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2019

Tot Ion:178 Resp: 1120868

Ion Ratio Lower Upper

178 100

176 20.1 16.9 25.3

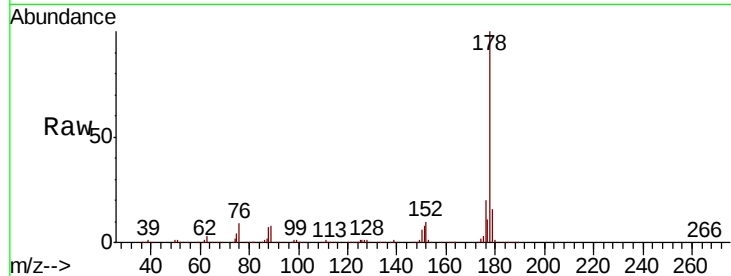
179 15.9 13.4 20.0

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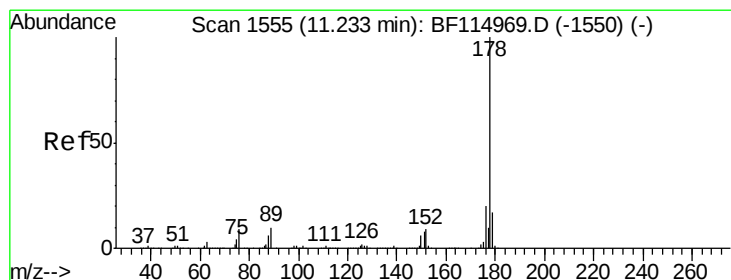
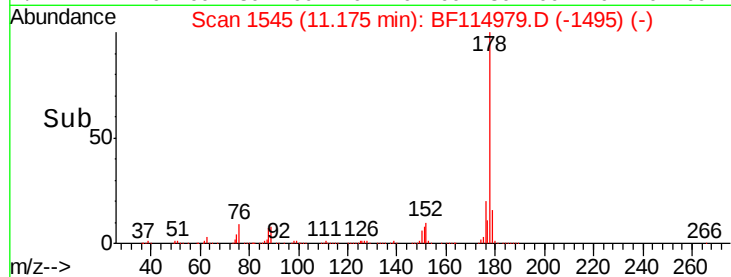
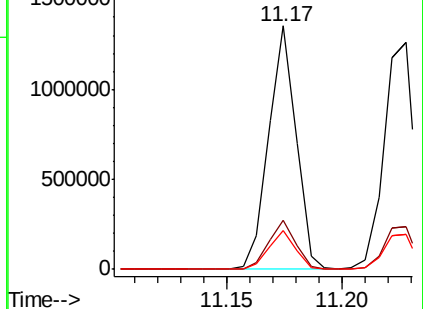
6/14/2019 8:46:30 AM



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 20.829 ng

RT: 11.23 min Scan# 1554

Delta R.T. -0.01 min

Lab File: BF114979.D

Acq: 12 Jun 2019 17:17

Tgt Ion:178 Resp: 1144914

Ion Ratio Lower Upper

178 100

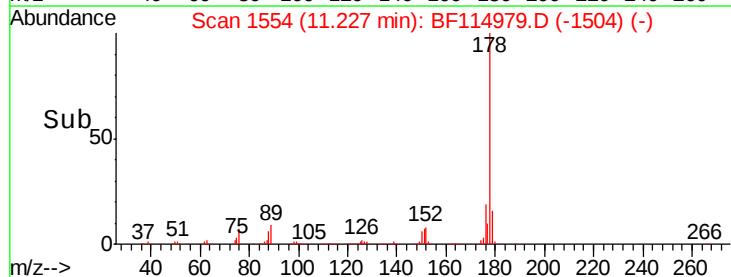
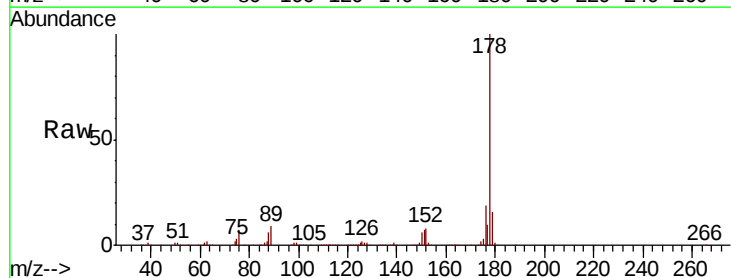
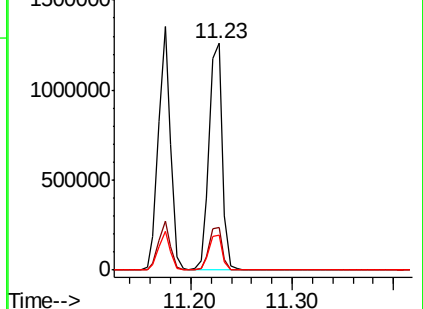
176 19.1 16.2 24.4

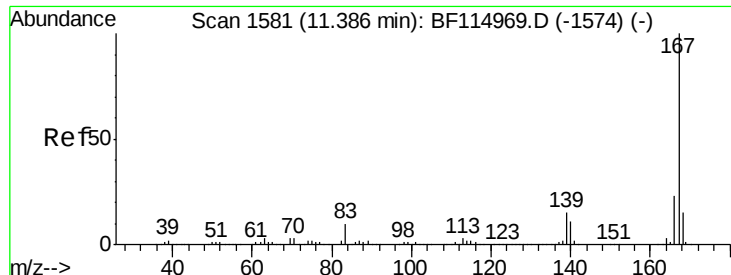
179 15.6 13.2 19.8

Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





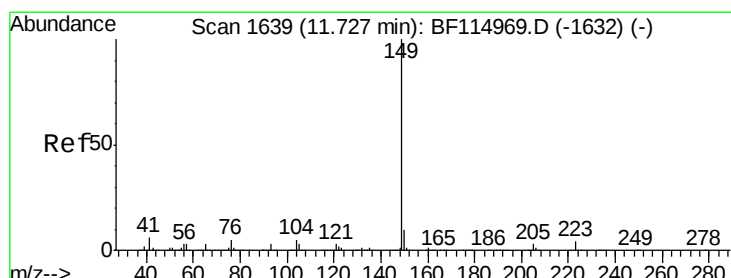
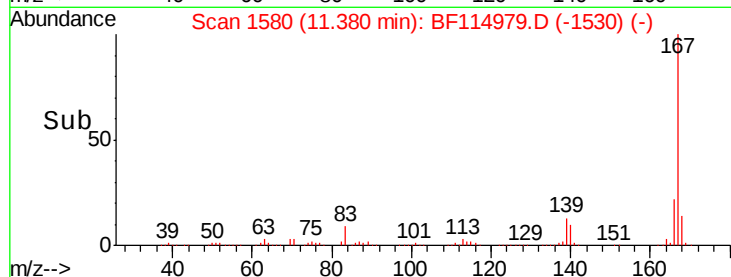
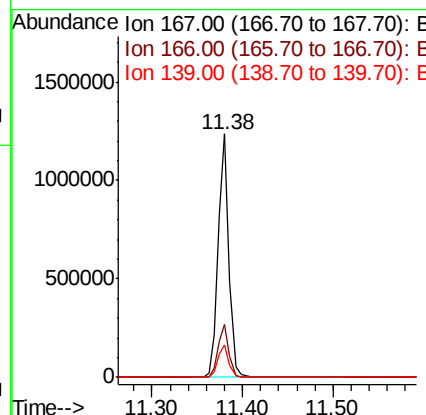
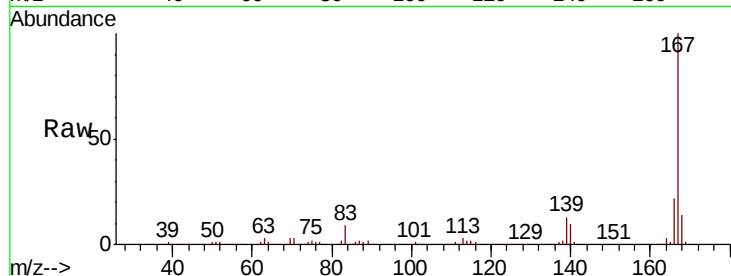
#73
 Carbazole
 Concen: 21.266 ng
 RT: 11.38 min Scan# 1580
 Delta R.T. -0.01 min
 Lab File: BF114979.D
 Acq: 12 Jun 2019 17:17

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT2-2019

Tot Ion	Ratio	Lower	Upper
167	100		
166	22.0	18.5	27.7
139	13.5	12.0	18.0

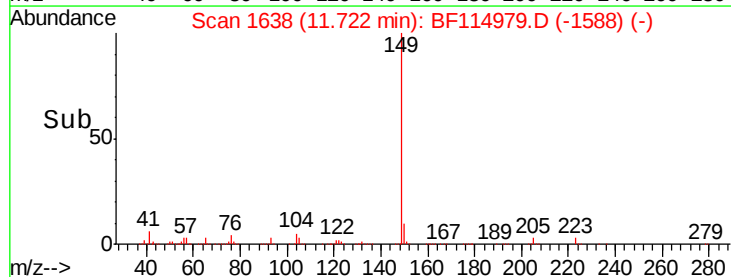
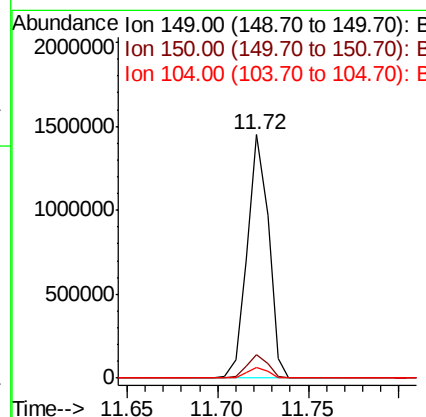
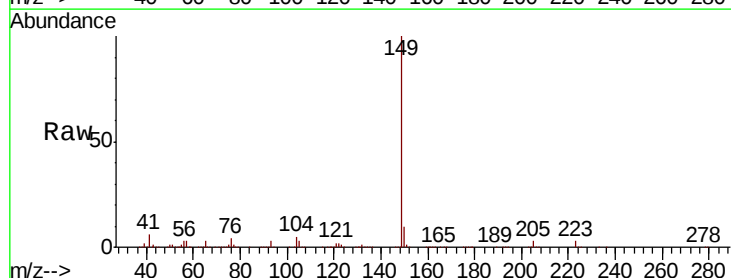
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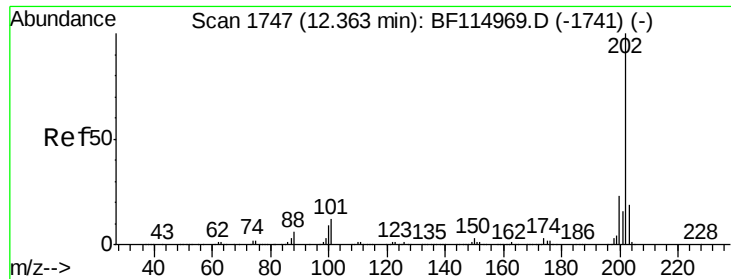
mohammad
 6/14/2019 8:46:30 AM



#74
 Di-n-butylphthalate
 Concen: 19.715 ng
 RT: 11.72 min Scan# 1638
 Delta R.T. -0.01 min
 Lab File: BF114979.D
 Acq: 12 Jun 2019 17:17

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.8	8.1	12.1
104	4.6	4.0	6.0





#75

Fluoranthene

Concen: 20.809 ng

RT: 12.36 min Scan# 1746

Delta R.T. -0.01 min

Lab File: BF114979.D

Acq: 12 Jun 2019 17:17

Instrument :

BNA_F

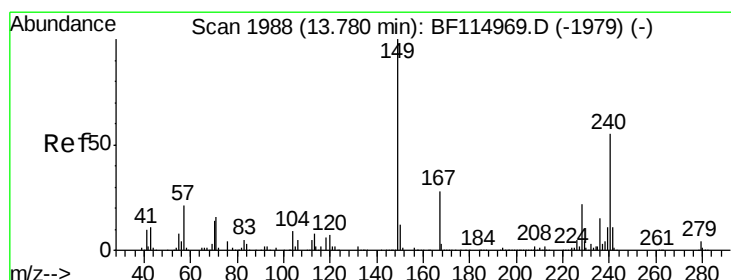
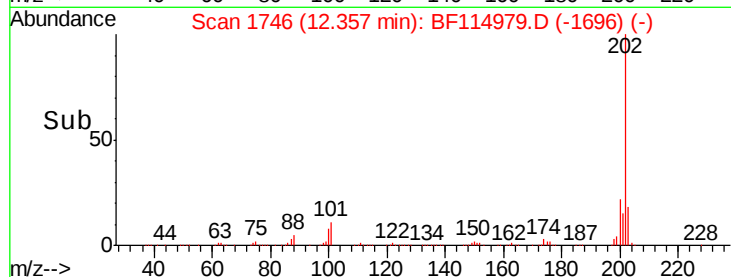
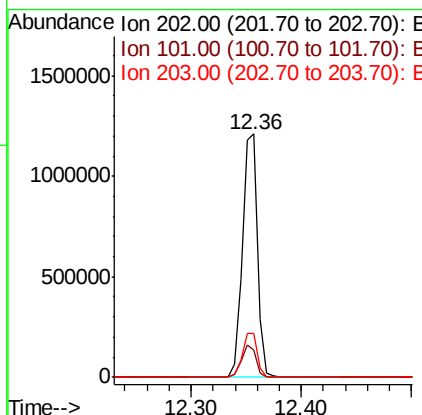
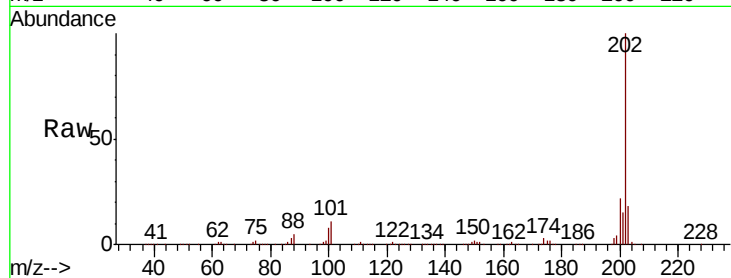
ClientSampleId :

LOQ-SOIL-02-QT2-2019

Tot Ion:	202	Resp:	1159380
Ion Ratio	Lower	Upper	
202	100		
101	11.0	0.0	32.4
203	17.9	0.0	38.6

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#76

Chrysene-d12

Concen: 20.000 ng

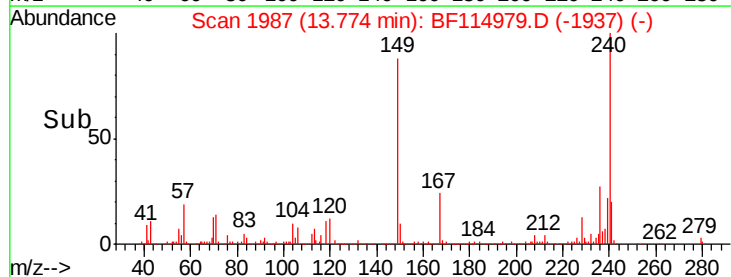
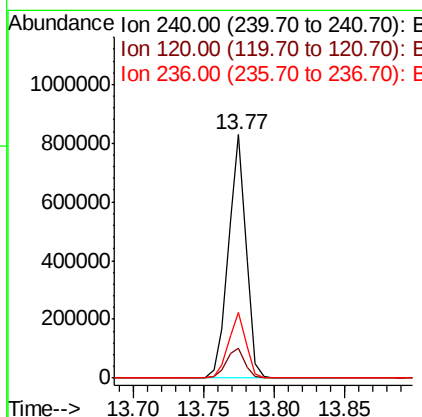
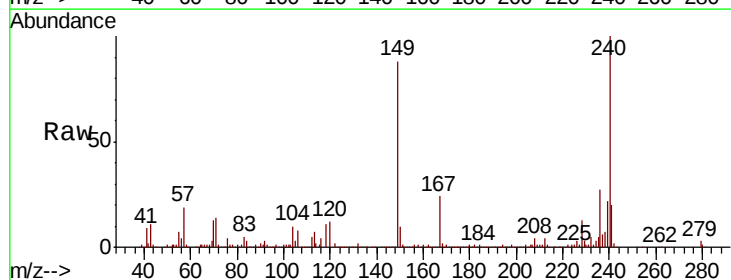
RT: 13.77 min Scan# 1987

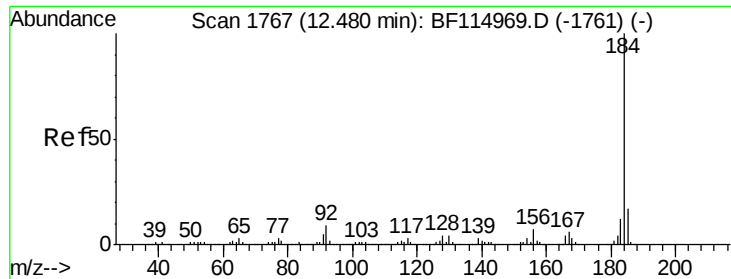
Delta R.T. -0.01 min

Lab File: BF114979.D

Acq: 12 Jun 2019 17:17

Tgt Ion:	240	Resp:	717388
Ion Ratio	Lower	Upper	
240	100		
120	12.4	10.0	15.0
236	27.1	21.6	32.4





#77

Benzidine

Concen: 17.830 ng

RT: 12.47 min Scan# 1766

Delta R.T. -0.01 min

Lab File: BF114979.D

Acq: 12 Jun 2019 17:17

Instrument :

BNA_F

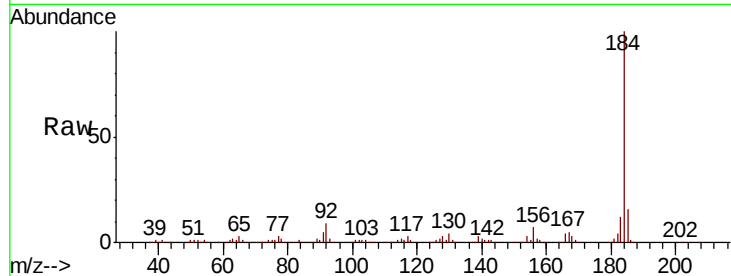
ClientSampleId :

LOQ-SOIL-02-QT2-2019

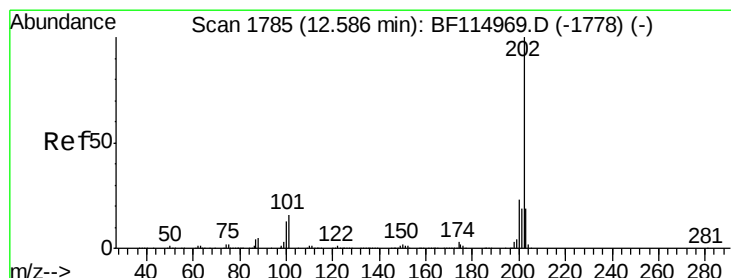
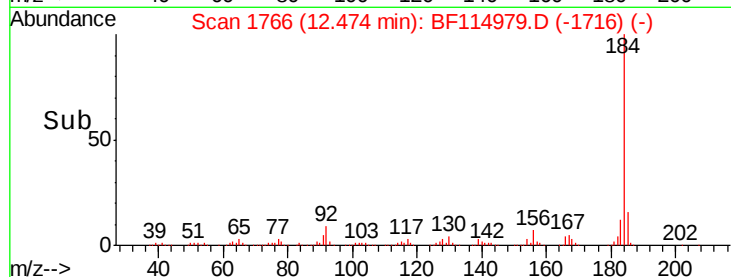
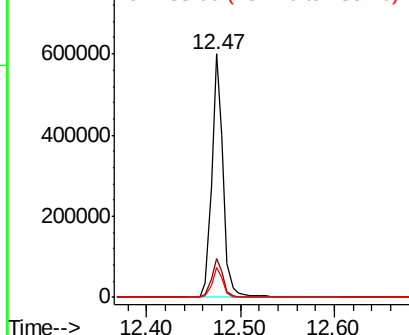
Tot Ion:	184	Resp:	517353
Ion Ratio	Lower	Upper	
184	100		
185	16.1	13.4	20.0
183	12.1	9.8	14.6

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Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 17.955 ng

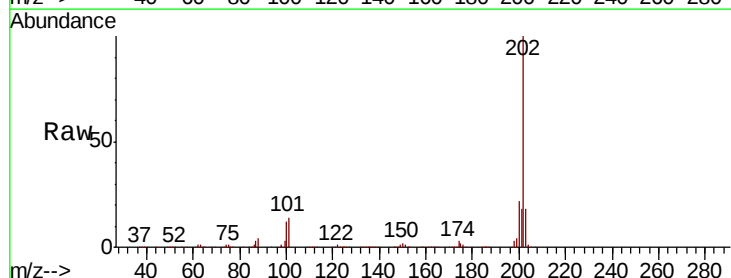
RT: 12.58 min Scan# 1784

Delta R.T. -0.01 min

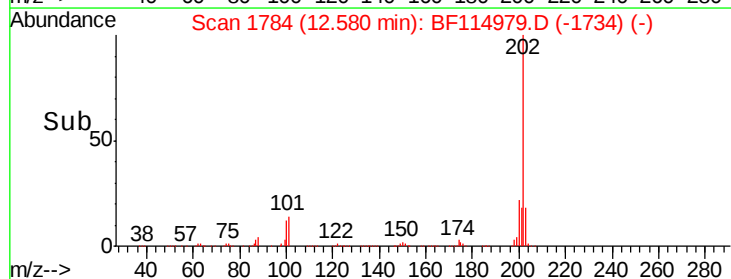
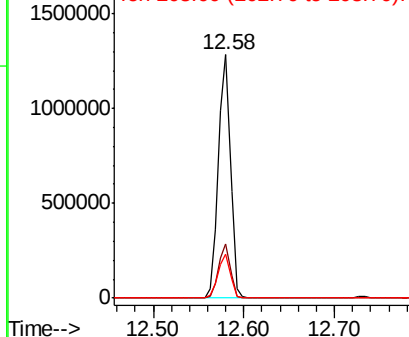
Lab File: BF114979.D

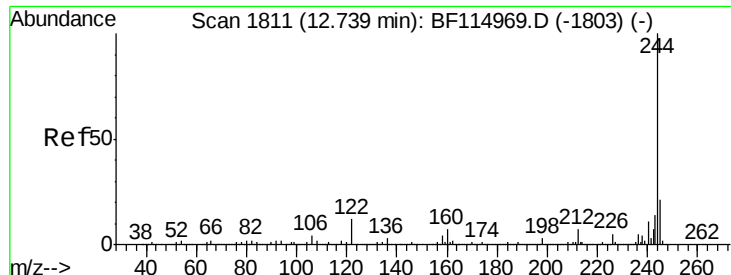
Acq: 12 Jun 2019 17:17

Tgt Ion:	202	Resp:	1173402
Ion Ratio	Lower	Upper	
202	100		
200	22.0	18.4	27.6
203	18.1	14.9	22.3



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 51.254 ng

RT: 12.73 min Scan# 1810

Delta R.T. -0.01 min

Lab File: BF114979.D

Acq: 12 Jun 2019 17:17

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2019

Tot Ion:244 Resp: 1954884

Ion Ratio Lower Upper

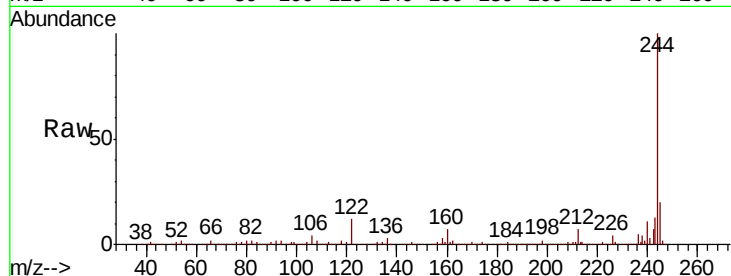
244 100

212 6.9 5.8 8.8

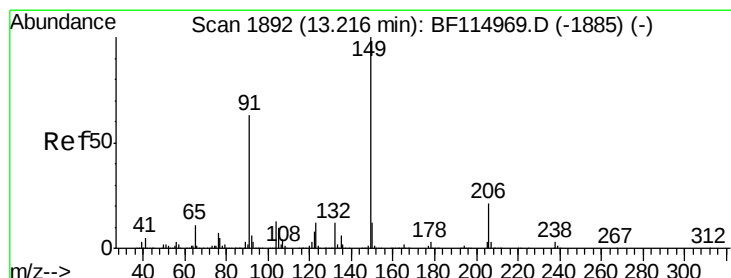
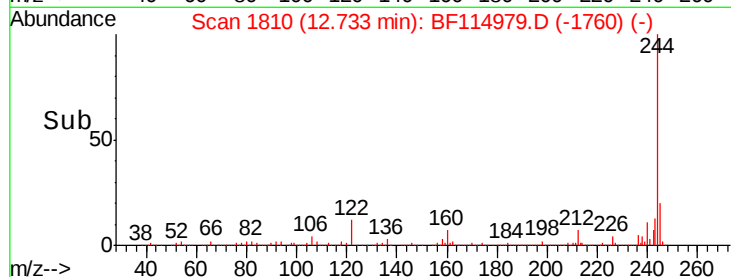
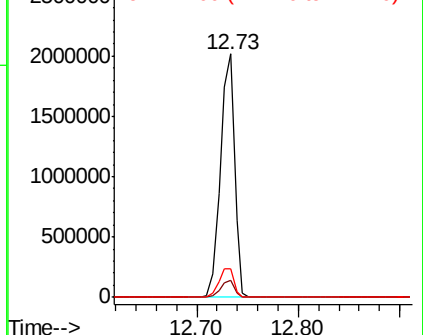
122 11.6 9.4 14.0

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Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 17.090 ng

RT: 13.21 min Scan# 1891

Delta R.T. -0.01 min

Lab File: BF114979.D

Acq: 12 Jun 2019 17:17

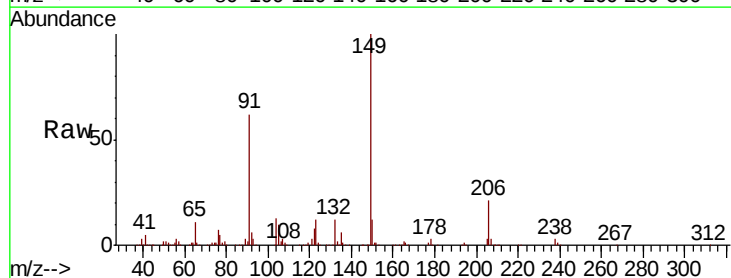
Tgt Ion:149 Resp: 521674

Ion Ratio Lower Upper

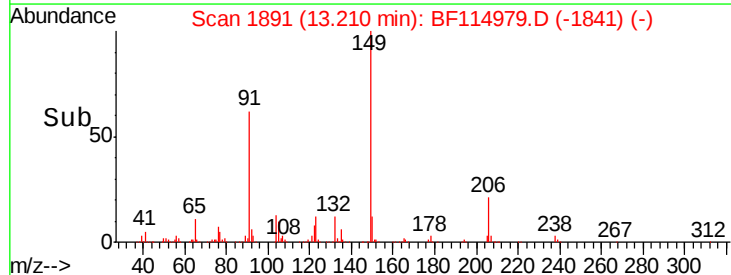
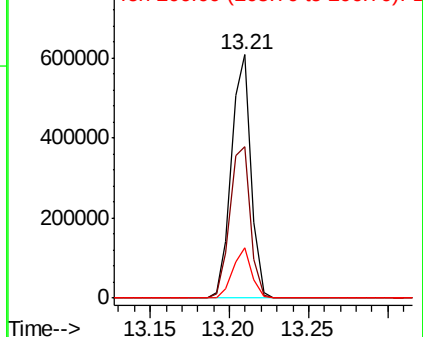
149 100

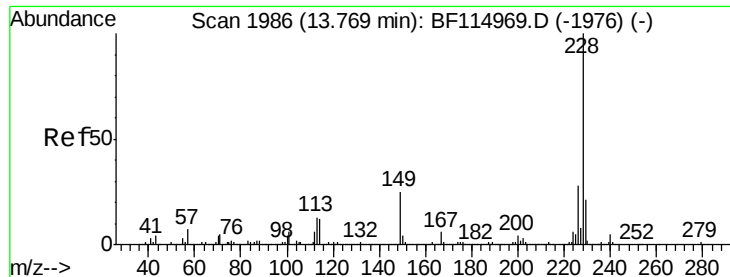
91 62.4 50.6 76.0

206 20.8 16.7 25.1



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 91.00 (90.70 to 91.70): BF1
Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 18.410 ng

RT: 13.76 min Scan# 1985

Delta R.T. -0.01 min

Lab File: BF114979.D

Acq: 12 Jun 2019 17:17

Instrument :

BNA_F

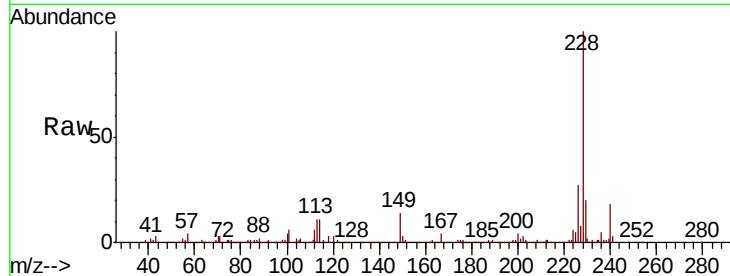
ClientSampleId :

LOQ-SOIL-02-QT2-2019

Tot Ion:	228	Resp:	988313
Ion Ratio	Lower	Upper	
228	100		
226	27.0	22.0	33.0
229	19.6	16.6	25.0

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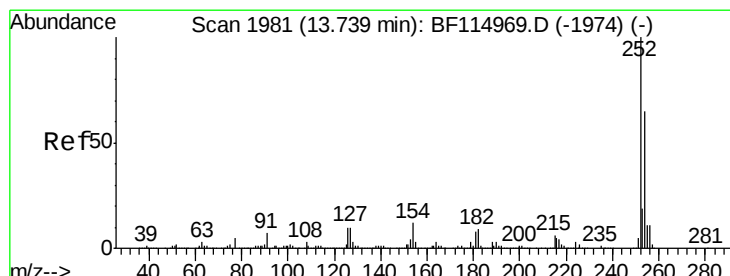
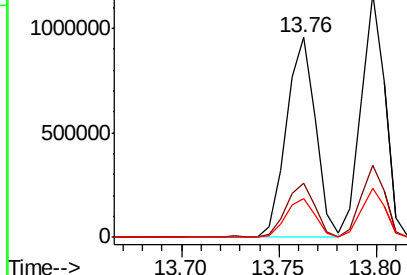
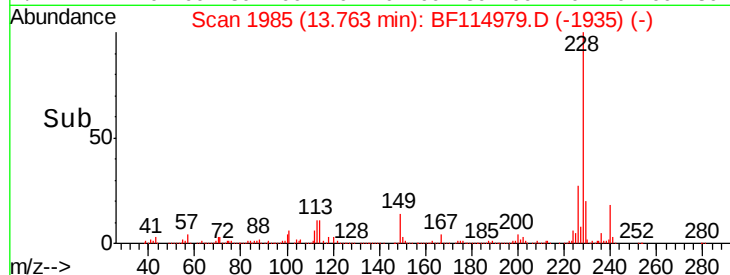


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 19.032 ng

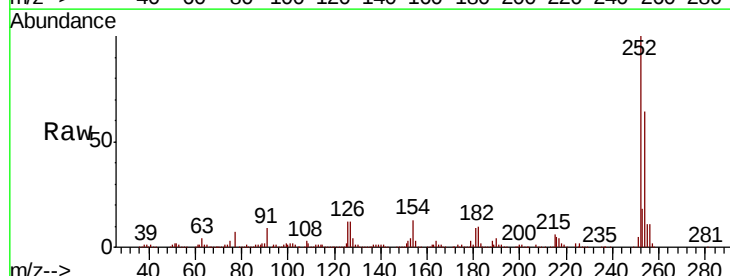
RT: 13.73 min Scan# 1979

Delta R.T. -0.01 min

Lab File: BF114979.D

Acq: 12 Jun 2019 17:17

Tgt Ion:	252	Resp:	391709
Ion Ratio	Lower	Upper	
252	100		
254	64.1	52.2	78.4
126	12.1	8.0	12.0#

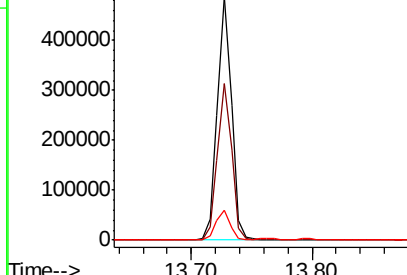
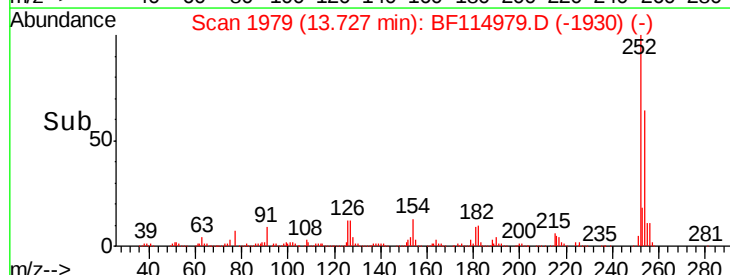


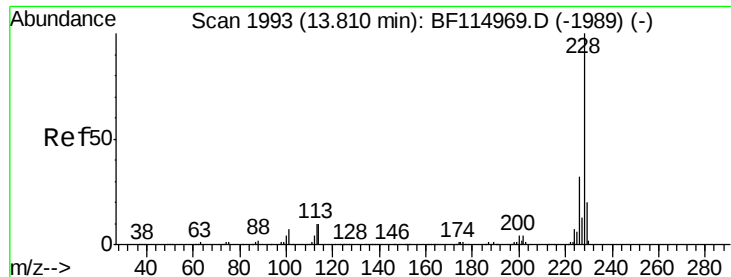
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





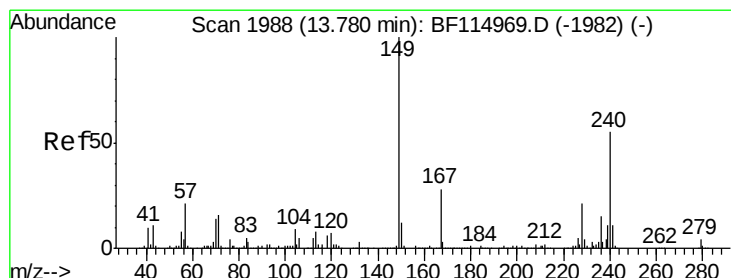
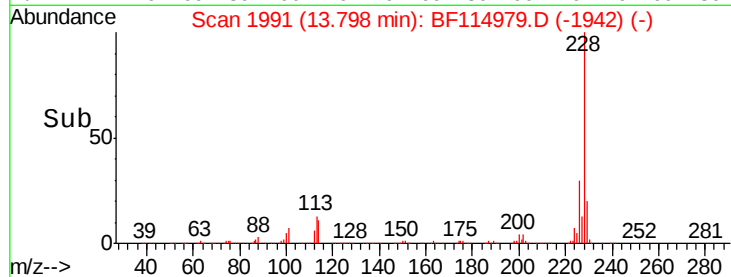
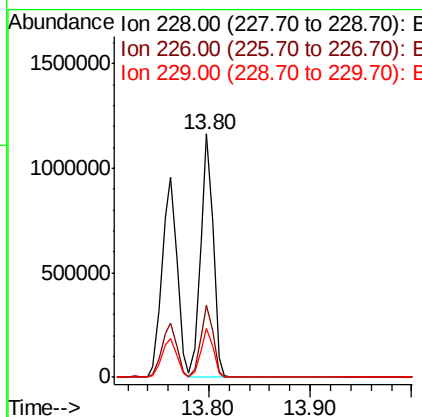
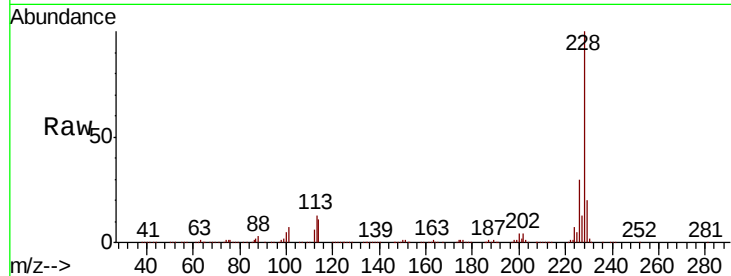
#83
Chrysene
Concen: 18.608 ng
RT: 13.80 min Scan# 1991
Delta R.T. -0.01 min
Lab File: BF114979.D
Acq: 12 Jun 2019 17:17

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2019

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.9	25.4	38.0
229	20.3	16.4	24.6

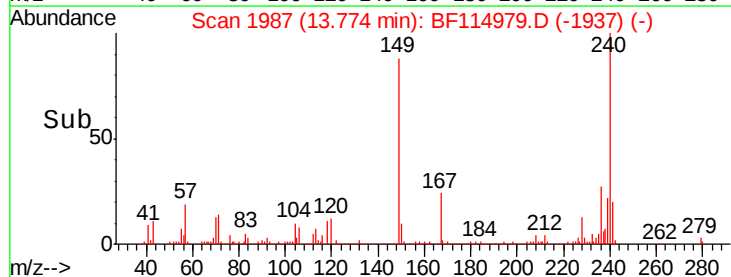
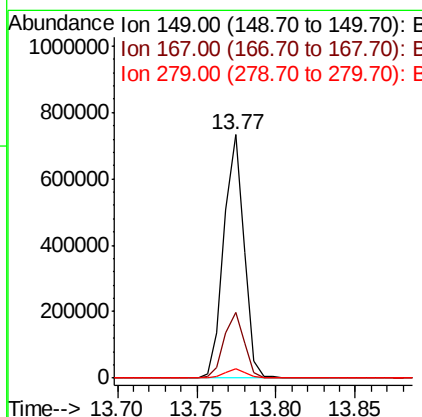
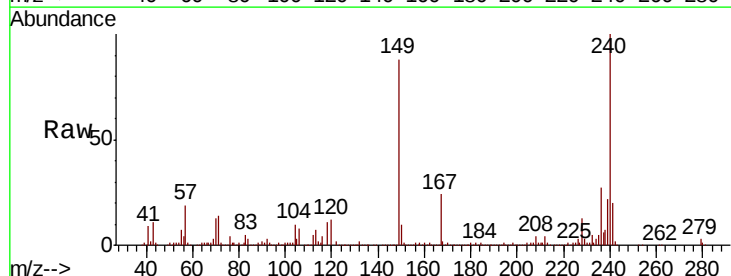
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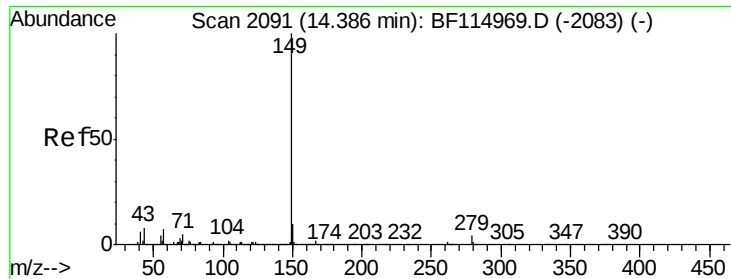
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#84
Bis(2-ethylhexyl)phthalate
Concen: 18.015 ng
RT: 13.77 min Scan# 1987
Delta R.T. -0.01 min
Lab File: BF114979.D
Acq: 12 Jun 2019 17:17

Tgt Ion	Ratio	Lower	Upper
149	100		
167	27.0	22.2	33.4
279	3.8	3.4	5.0





#85

Di-n-octyl phthalate

Concen: 18.535 ng

RT: 14.38 min Scan# 2090

Delta R.T. -0.01 min

Lab File: BF114979.D

Acq: 12 Jun 2019 17:17

Instrument :

BNA_F

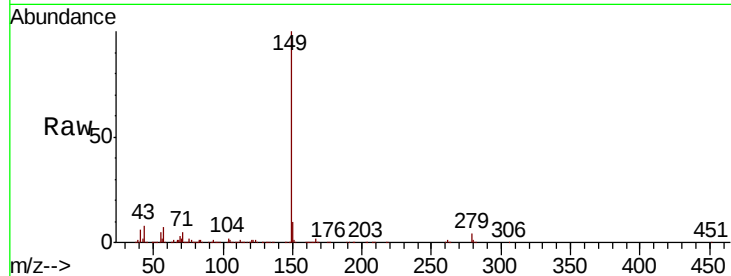
ClientSampleId :

LOQ-SOIL-02-QT2-2019

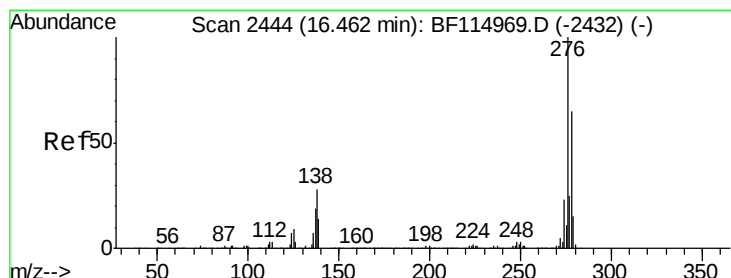
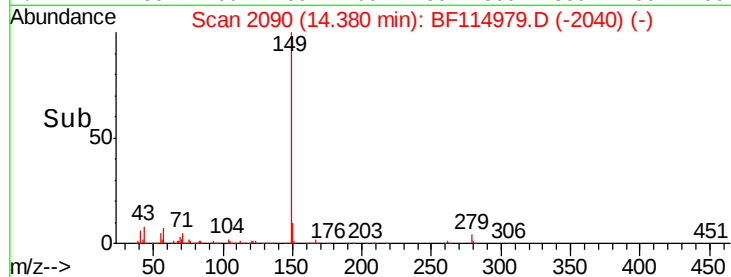
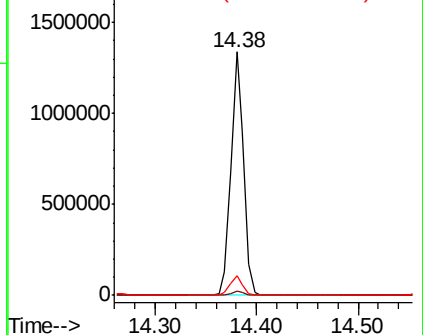
Tot Ion:	149	Resp:	1151525
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	7.8	6.5	9.7

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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BF1



#86

Indeno(1,2,3-cd)pyrene

Concen: 17.018 ng

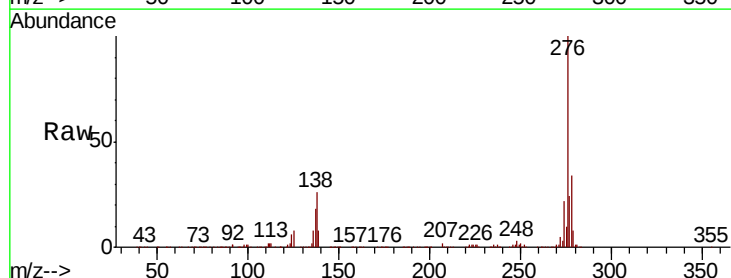
RT: 16.44 min Scan# 2441

Delta R.T. -0.02 min

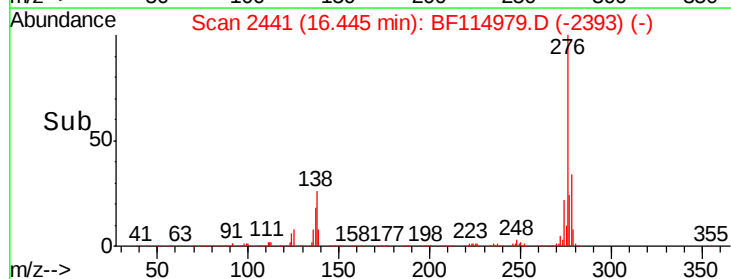
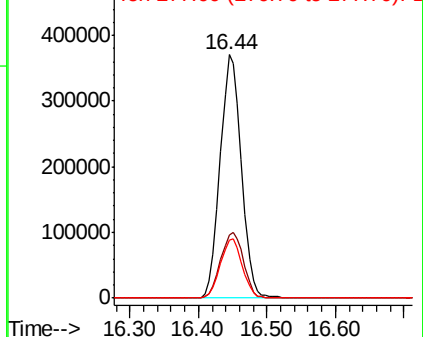
Lab File: BF114979.D

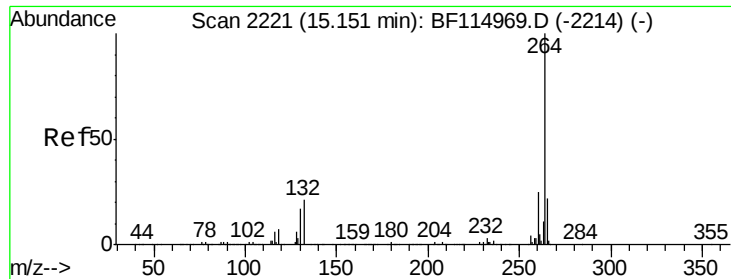
Acq: 12 Jun 2019 17:17

Tgt Ion:	276	Resp:	798006
Ion	Ratio	Lower	Upper
276	100		
138	29.0	23.0	34.4
277	25.2	20.6	30.8



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





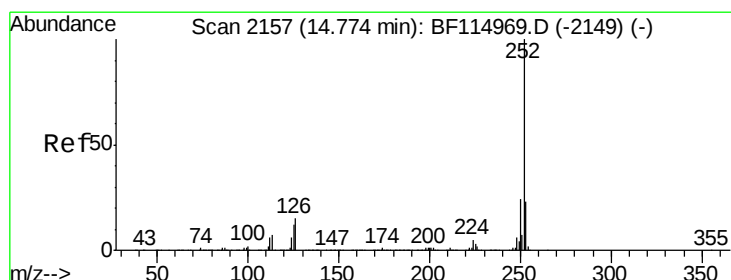
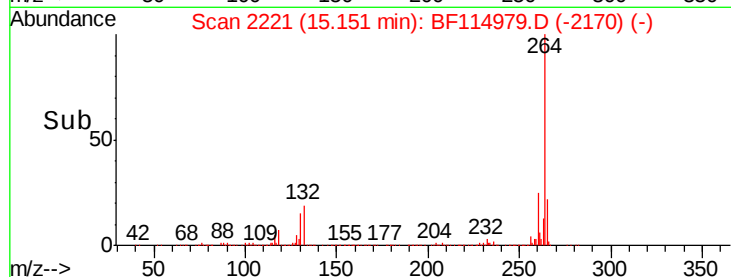
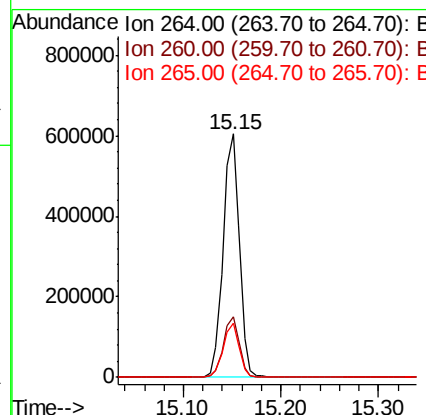
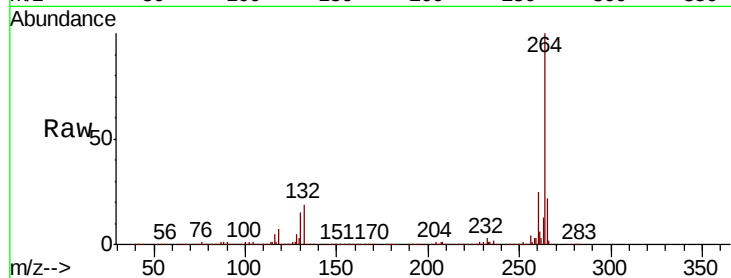
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.15 min Scan# 2221
Delta R.T. -0.00 min
Lab File: BF114979.D
Acq: 12 Jun 2019 17:17

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2019

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.9	29.9
265	22.0	17.6	26.4

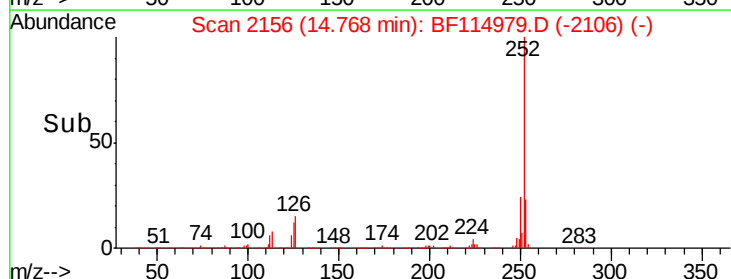
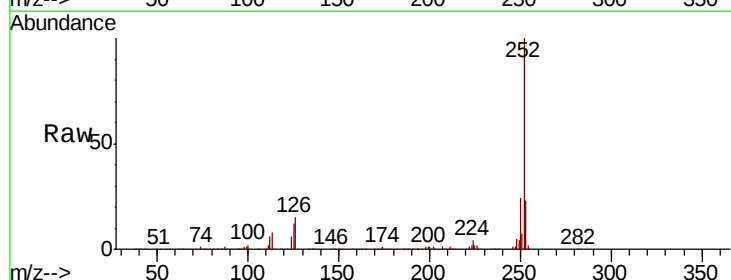
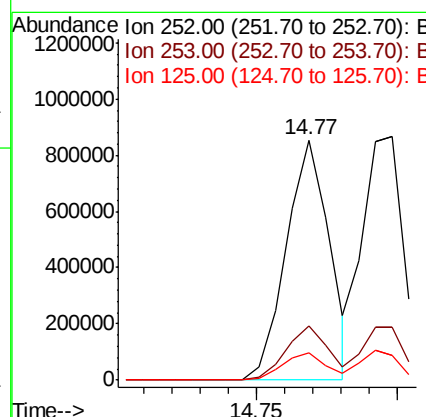
Manual Integrations
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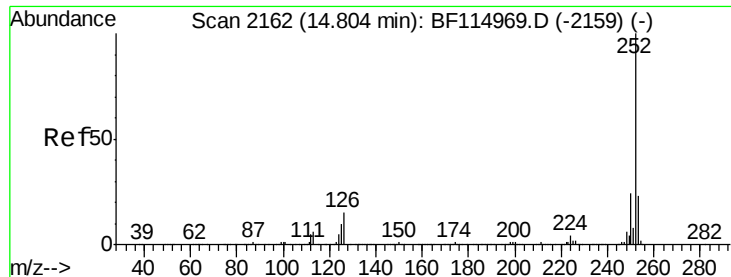
mohammad
6/14/2019 8:46:30 AM



#88
Benzo(b)fluoranthene
Concen: 19.465 ng
RT: 14.77 min Scan# 2156
Delta R.T. -0.01 min
Lab File: BF114979.D
Acq: 12 Jun 2019 17:17

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.1	27.1
125	11.5	9.4	14.0





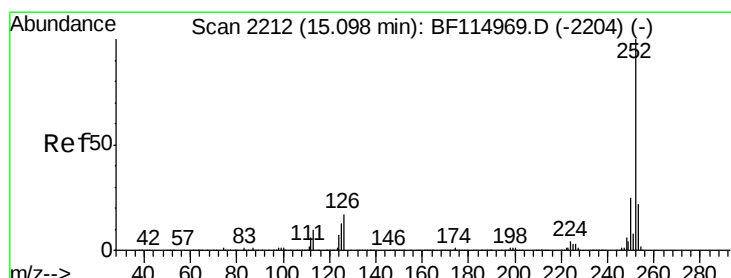
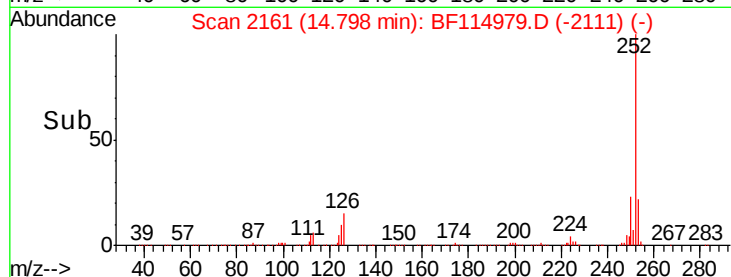
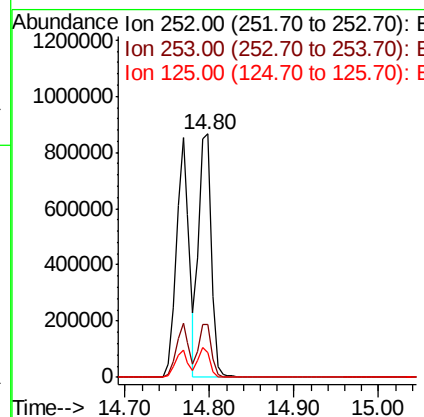
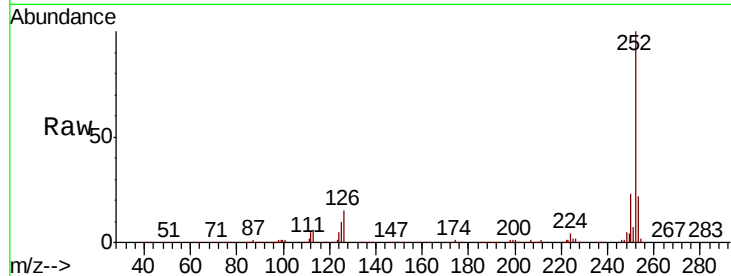
#89
Benzo(k)fluoranthene
Concen: 21.570 ng
RT: 14.80 min Scan# 2161
Delta R.T. -0.01 min
Lab File: BF114979.D
Acq: 12 Jun 2019 17:17

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2019

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.6	18.0	27.0
125	10.0	8.2	12.4

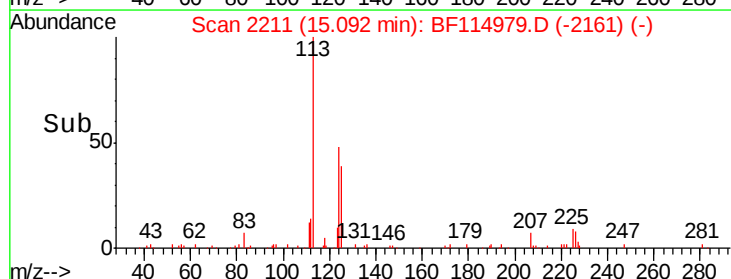
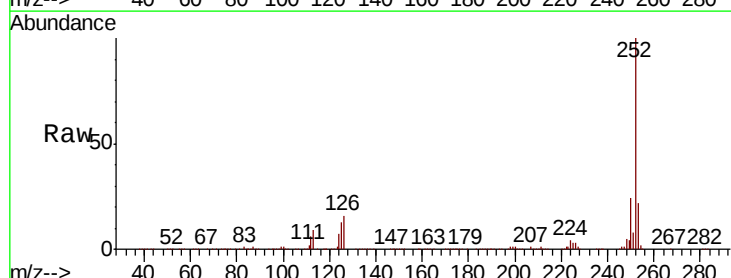
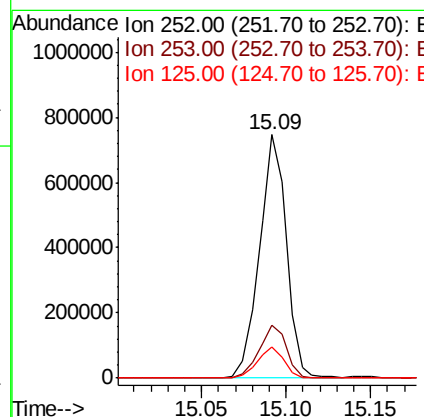
Manual Integrations
APPROVED

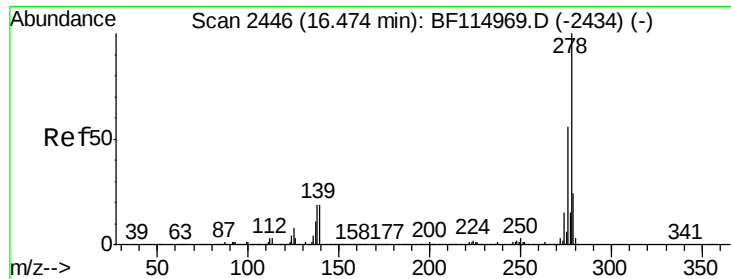
mohammad
6/14/2019 8:46:30 AM



#90
Benzo(a)pyrene
Concen: 20.607 ng
RT: 15.09 min Scan# 2211
Delta R.T. -0.01 min
Lab File: BF114979.D
Acq: 12 Jun 2019 17:17

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.8	26.8
125	12.6	10.7	16.1





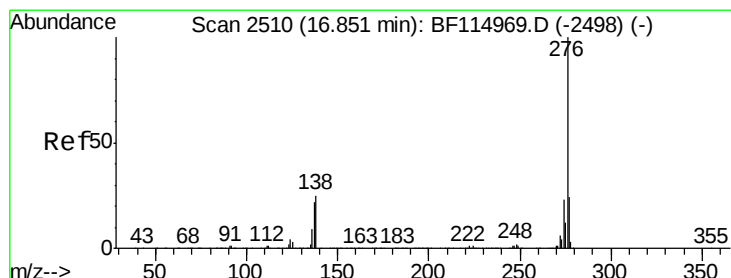
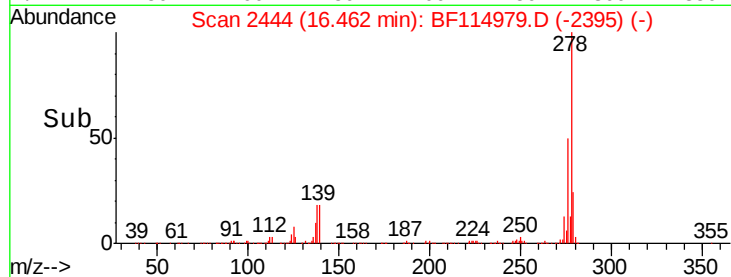
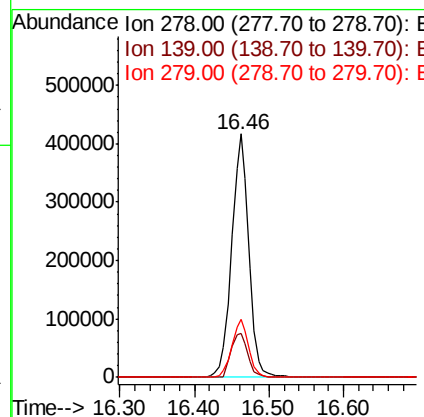
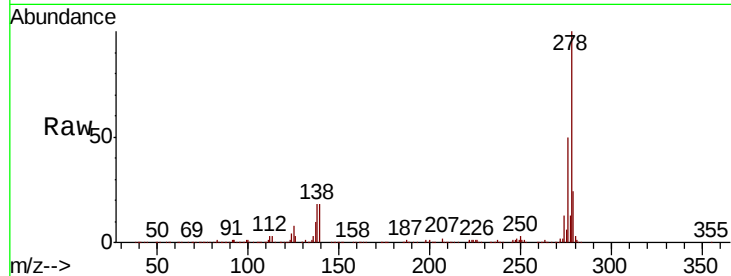
#91
Dibenzo(a,h)anthracene
Concen: 19.380 ng
RT: 16.46 min Scan# 2444
Delta R.T. -0.01 min
Lab File: BF114979.D
Acq: 12 Jun 2019 17:17

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2019

Tot Ion	Ratio	Lower	Upper
278	100		
139	18.3	15.3	22.9
279	24.1	19.2	28.8

Manual Integrations
APPROVED

mohammad
6/14/2019 8:46:30 AM



#92
Benzo(g,h,i)perylene
Concen: 18.695 ng
RT: 16.83 min Scan# 2507
Delta R.T. -0.02 min
Lab File: BF114979.D
Acq: 12 Jun 2019 17:17

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.3	18.8	28.2
138	24.9	20.2	30.4

