

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061219\
 Data File : BF114977.D
 Acq On : 12 Jun 2019 16:24
 Operator : HP/JU
 Sample : K2241-01
 Misc : LOD-SOIL-5PPM
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2019

Manual Integrations
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mohammad
 6/14/2019 8:46:27 AM

Quant Time: Jun 13 11:00:22 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 12 15:42:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.65	152	277308	20.00	ng	0.00
21) Naphthalene-d8	7.93	136	1075260	20.00	ng	0.00
39) Acenaphthene-d10	9.67	164	529553	20.00	ng	0.00
64) Phenanthrene-d10	11.15	188	1049307	20.00	ng	0.00
76) Chrysene-d12	13.77	240	763485	20.00	ng	-0.01
87) Perylene-d12	15.16	264	728046	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.26	112	2031320	122.31	ng	0.00
7) Phenol-d6	6.30	99	2496532	124.62	ng	0.00
23) Nitrobenzene-d5	7.22	82	1529925	85.64	ng	0.00
42) 2,4,6-Tribromophenol	10.46	330	757763	133.63	ng	0.00
45) 2-Fluorobiphenyl	9.01	172	2680368	85.79	ng	0.00
79) Terphenyl-d14	12.74	244	2924858	72.05	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.28	88	36794	4.733	ng	98
3) Pyridine	3.06	79	85736	3.917	ng	99
4) n-Nitrosodimethylamine	2.89	42	33849	4.356	ng	97
6) Aniline	6.31	93	136442	5.086	ng	95
8) 2-Chlorophenol	6.43	128	98746	5.244	ng	98
9) Benzaldehyde	6.19	77	79975	6.944	ng	99
10) Phenol	6.30	94	120051	5.356	ng	97
11) bis(2-Chloroethyl)ether	6.39	93	90606	5.208	ng	98
12) 1,3-Dichlorobenzene	6.59	146	112338	5.107	ng	99
13) 1,4-Dichlorobenzene	6.66	146	115984	5.245	ng	96
14) 1,2-Dichlorobenzene	6.82	146	107474	5.162	ng	99
15) Benzyl Alcohol	6.79	79	97858	6.520	ng	98
16) 2,2'-oxybis(1-Chloropropan	6.93	45	119138	5.117	ng	98
17) 2-Methylphenol	6.91	107	81886	5.213	ng	95
18) Hexachloroethane	7.16	117	37843	4.739	ng	95
19) n-Nitroso-di-n-propylamine	7.06	70	66935	5.499	ng	98
20) 3+4-Methylphenols	7.06	107	106407	5.692	ng	94
22) Acetophenone	7.05	105	142747	5.865	ng	# 93
24) Nitrobenzene	7.23	77	105382	5.798	ng	95
25) Isophorone	7.46	82	179042	5.351	ng	96
26) 2-Nitrophenol	7.55	139	52531	5.185	ng	98
27) 2,4-Dimethylphenol	7.59	122	77599	5.310	ng	97
28) bis(2-Chloroethoxy)methane	7.68	93	116401	5.423	ng	97
29) 2,4-Dichlorophenol	7.79	162	84082	5.446	ng	97
30) 1,2,4-Trichlorobenzene	7.87	180	95515	5.354	ng	98
31) Naphthalene	7.95	128	310603	6.105	ng	96
32) Benzoic acid	7.66	122	29089	2.751	ng	95
33) 4-Chloroaniline	8.00	127	125973	5.364	ng	98
34) Hexachlorobutadiene	8.07	225	51685	5.212	ng	99
35) Caprolactam	8.33	113	26083	5.072	ng	97
36) 4-Chloro-3-methylphenol	8.48	107	85482	5.494	ng	95
37) 2-Methylnaphthalene	8.64	142	209969	6.188	ng	97
38) 1-Methylnaphthalene	8.74	142	198577	6.192	ng	100
40) 1,2,4,5-Tetrachlorobenzene	8.80	216	89516	5.722	ng	98

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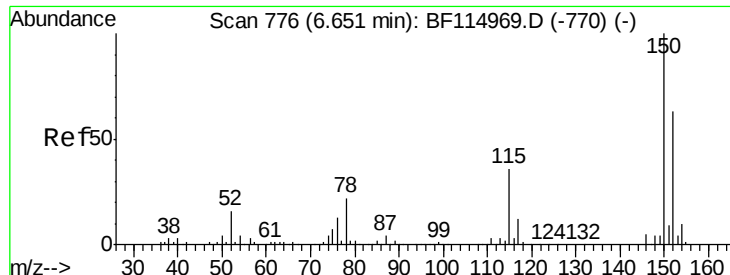
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.80	237	22157	2.874	nq	97
43) 2,4,6-Trichlorophenol	8.92	196	57581	4.928	nq	99
44) 2,4,5-Trichlorophenol	8.96	196	59390	5.029	nq	97
46) 1,1'-Biphenyl	9.10	154	253641	5.977	nq	96
47) 2-Chloronaphthalene	9.12	162	195308	5.692	nq	98
48) 2-Nitroaniline	9.22	65	48812	4.813	nq	99
49) Acenaphthylene	9.53	152	316153	5.992	nq	97
50) Dimethylphthalate	9.40	163	216401	5.434	nq	99
51) 2,6-Dinitrotoluene	9.46	165	47859	5.298	nq	89
52) Acenaphthene	9.70	154	179764	5.955	nq	99
53) 3-Nitroaniline	9.62	138	53187	4.805	nq	98
54) 2,4-Dinitrophenol	9.73	184	10368	2.366	nq	91
55) Dibenzofuran	9.87	168	274231	6.028	nq	97
56) 4-Nitrophenol	9.79	139	31815	4.168	nq	98
57) 2,4-Dinitrotoluene	9.86	165	63125	5.490	nq	98
58) Fluorene	10.22	166	211567	6.358	nq	99
59) 2,3,4,6-Tetrachlorophenol	10.00	232	50935	5.340	nq	99
60) Diethylphthalate	10.10	149	212833	5.589	nq	97
61) 4-Chlorophenyl-phenylether	10.22	204	100432	6.115	nq	92
62) 4-Nitroaniline	10.23	138	53951	4.848	nq	94
63) Azobenzene	10.37	77	193980	5.823	nq	98
65) 4,6-Dinitro-2-methylphenol	10.27	198	22408	3.810	nq	88
66) n-Nitrosodiphenylamine	10.33	169	182287	5.812	nq	98
67) 4-Bromophenyl-phenylether	10.70	248	60745	5.392	nq	93
68) Hexachlorobenzene	10.77	284	67360	5.431	nq	# 91
69) Atrazine	10.86	200	54999	5.439	nq	96
70) Pentachlorophenol	10.96	266	26532	3.939	nq	98
71) Phenanthrene	11.17	178	323633	5.974	nq	97
72) Anthracene	11.22	178	323198	5.913	nq	97
73) Carbazole	11.37	167	291288	6.106	nq	96
74) Di-n-butylphthalate	11.72	149	334680	5.565	nq	97
75) Fluoranthene	12.35	202	330035	5.957	nq	98
77) Benzidine	12.47	184	123184	3.989	nq	98
78) Pyrene	12.57	202	338648	4.869	nq	97
80) Butylbenzylphthalate	13.20	149	136610	4.205	nq	94
81) Benzo(a)anthracene	13.76	228	294173	5.149	nq	97
82) 3,3'-Dichlorobenzidine	13.73	252	100039	4.567	nq	96
83) Chrysene	13.79	228	283919	4.997	nq	97
84) Bis(2-ethylhexyl)phthalate	13.77	149	181396	4.724	nq	99
85) Di-n-octyl phthalate	14.39	149	321208	4.858	nq	100
86) Indeno(1,2,3-cd)pyrene	16.46	276	219744	4.403	nq	99
88) Benzo(b)fluoranthene	14.77	252	250544	5.177	nq	99
89) Benzo(k)fluoranthene	14.80	252	254382m	5.988	nq	
90) Benzo(a)pyrene	15.10	252	230646	5.523	nq	99
91) Dibenzo(a,h)anthracene	16.47	278	185444	5.156	nq	98
92) Benzo(g,h,i)perylene	16.84	276	179267	4.887	nq	99

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



#1

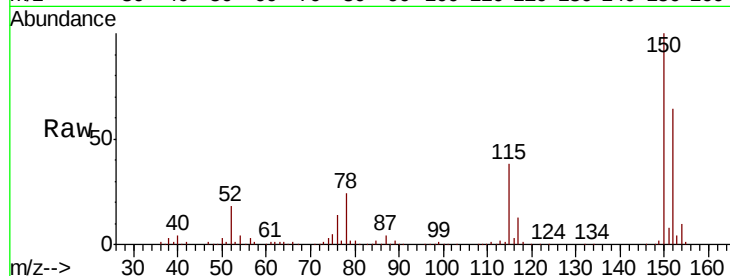
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.65 min Scan# 775
Delta R.T. -0.01 min
Lab File: BF114977.D
Acq: 12 Jun 2019 16:24

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.3	127.4	191.0
115	59.9	46.0	69.0

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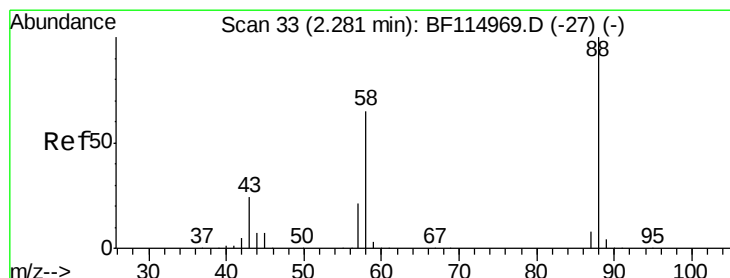
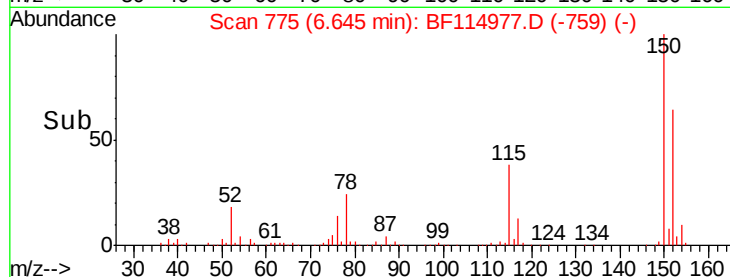
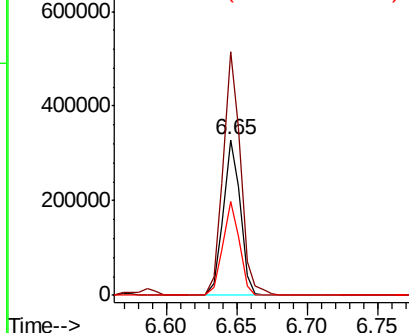


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

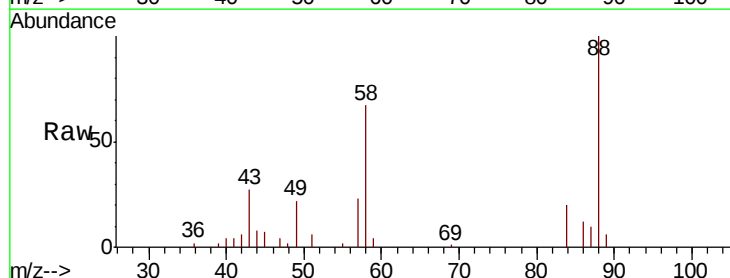
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane
Concen: 4.733 ng
RT: 2.28 min Scan# 33
Delta R.T. -0.00 min
Lab File: BF114977.D
Acq: 12 Jun 2019 16:24

Tgt Ion	Ratio	Lower	Upper
88	100		
58	68.8	53.4	80.2
43	24.9	19.7	29.5

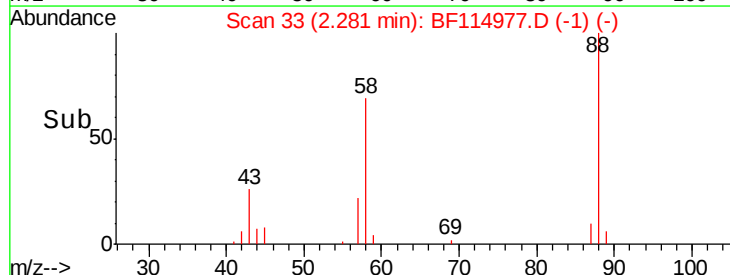
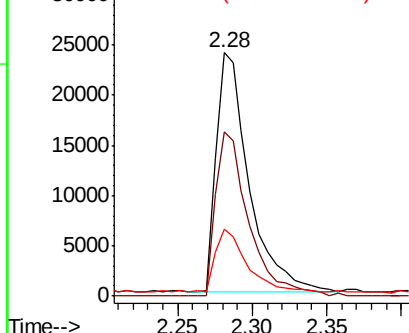


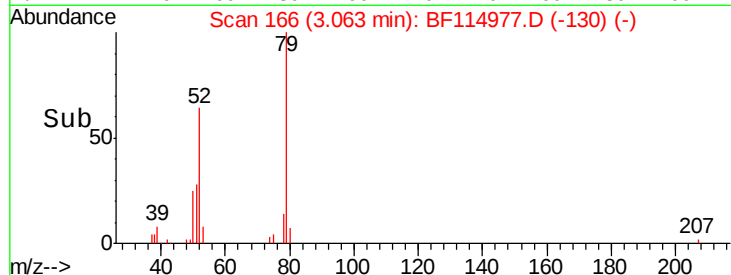
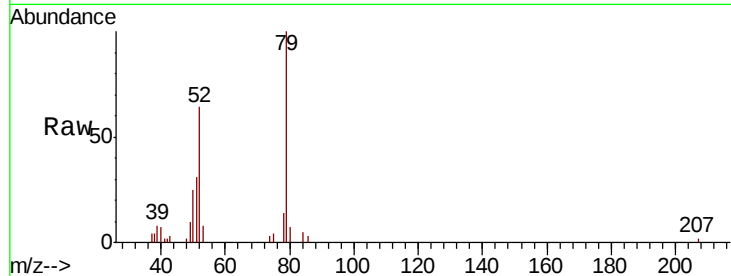
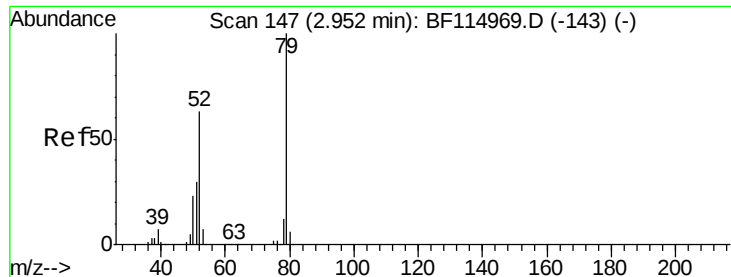
Abundance

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





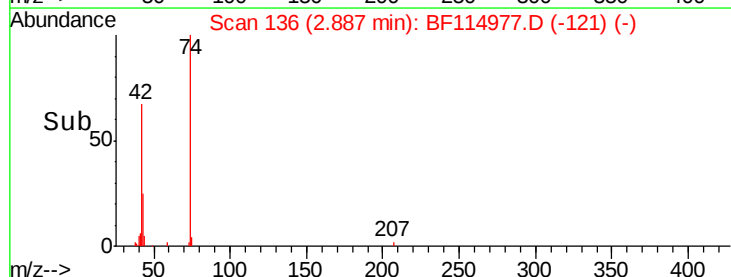
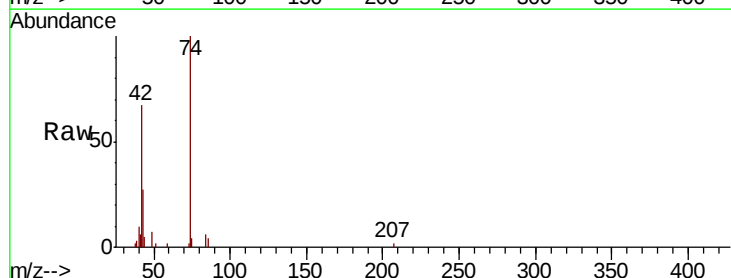
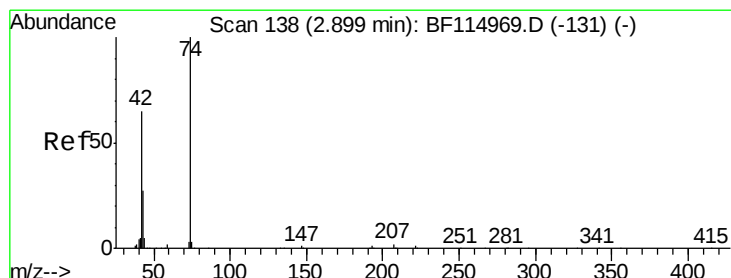
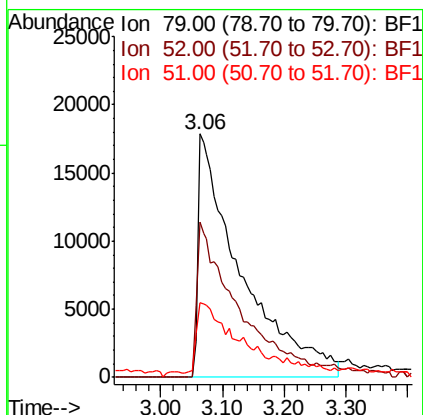
#3
Pvridine
Concen: 3.917 ng
RT: 3.06 min Scan# 166
Delta R.T. 0.11 min
Lab File: BF114977.D
Acq: 12 Jun 2019 16:24

Tot Ion	79	Resp	85736
Ion Ratio	100	Lower	Upper
79	100		
52	63.5	50.3	75.5
51	30.9	24.4	36.6

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

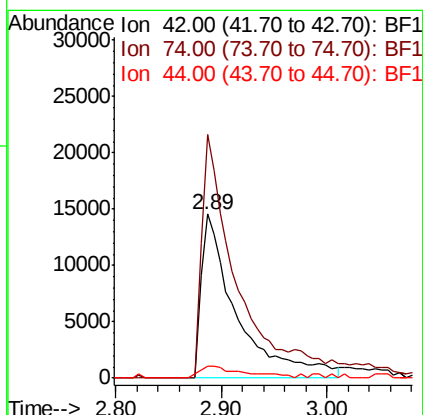
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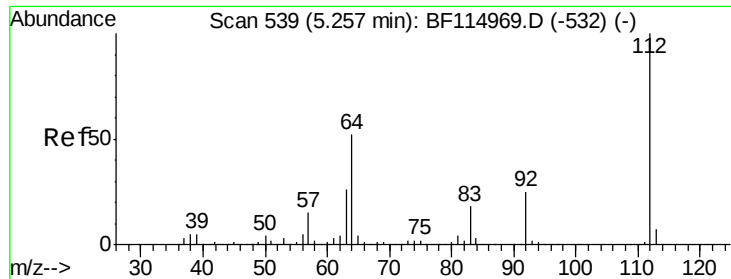
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#4
n-Nitrosodimethylamine
Concen: 4.356 ng
RT: 2.89 min Scan# 136
Delta R.T. -0.01 min
Lab File: BF114977.D
Acq: 12 Jun 2019 16:24

Tgt Ion	42	Resp	33849
Ion Ratio	100	Lower	Upper
42	100		
74	148.4	122.2	183.2
44	7.6	5.8	8.8





#5

2-Fluorophenol

Concen: 122.314 ng

RT: 5.26 min Scan# 539

Delta R.T. -0.00 min

Lab File: BF114977.D

Acq: 12 Jun 2019 16:24

Instrument :

BNA_F

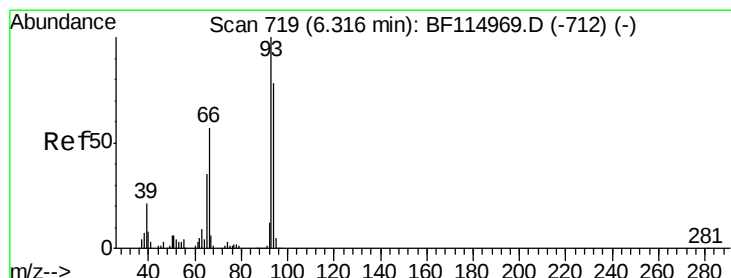
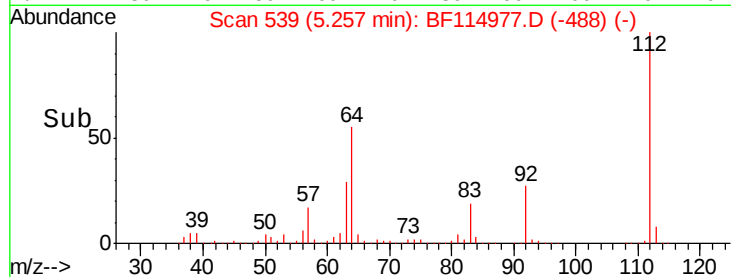
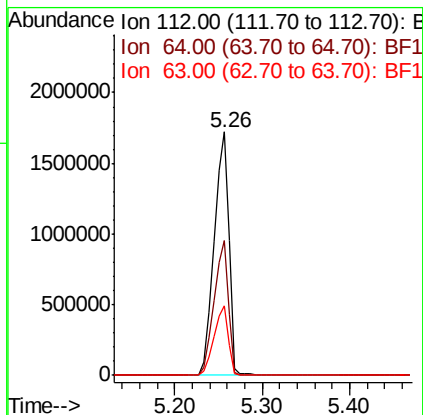
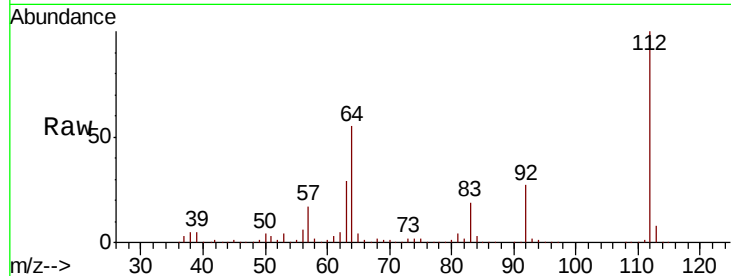
ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

Tot Ion:	112	Resp:	2031320
Ion	Ratio	Lower	Upper
112	100		
64	55.3	41.6	62.4
63	28.7	20.9	31.3

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#6

Aniline

Concen: 5.086 ng

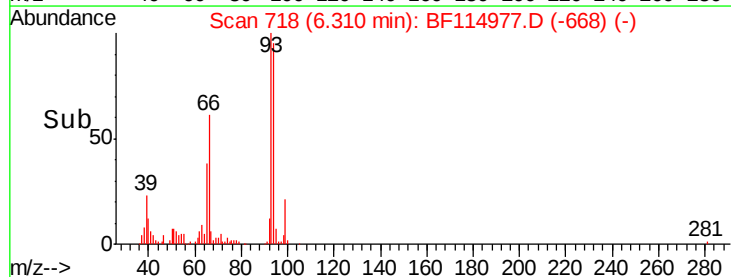
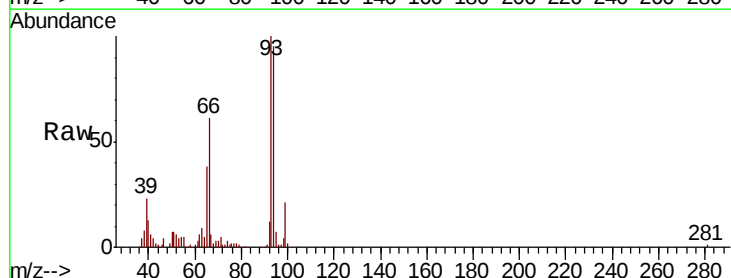
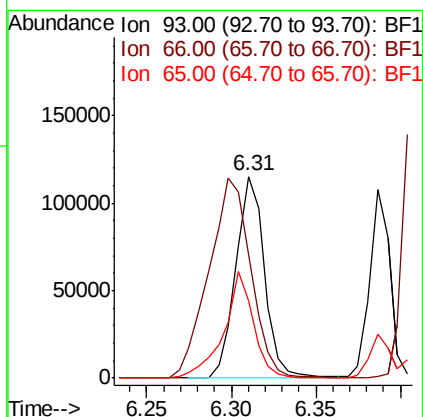
RT: 6.31 min Scan# 718

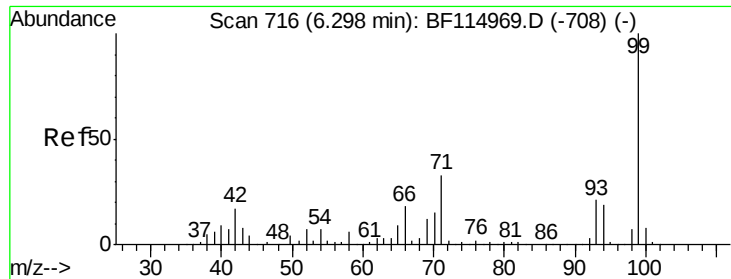
Delta R.T. -0.01 min

Lab File: BF114977.D

Acq: 12 Jun 2019 16:24

Tgt Ion:	93	Resp:	136442
Ion	Ratio	Lower	Upper
93	100		
66	61.1	46.2	69.2
65	38.0	27.7	41.5





#7

Phenol-d6

Concen: 124.619 ng

RT: 6.30 min Scan# 716

Delta R.T. -0.00 min

Lab File: BF114977.D

Acq: 12 Jun 2019 16:24

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

Tot Ion: 99 Resp: 2496532

Ion Ratio Lower Upper

99 100

42 16.8 13.4 20.2

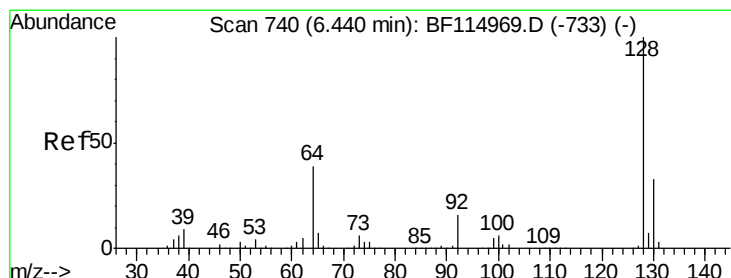
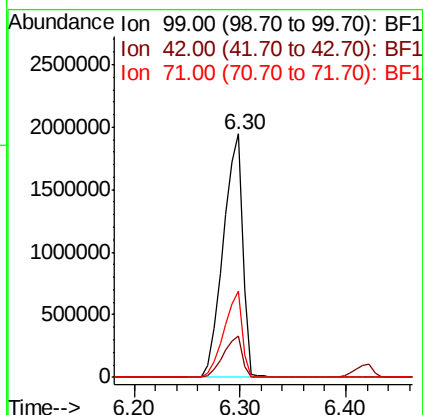
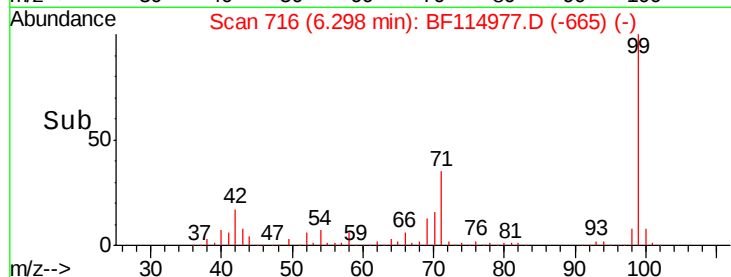
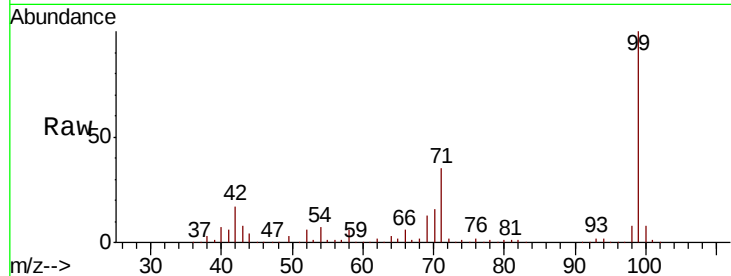
71 35.3 26.4 39.6

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#8

2-Chlorophenol

Concen: 5.244 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF114977.D

Acq: 12 Jun 2019 16:24

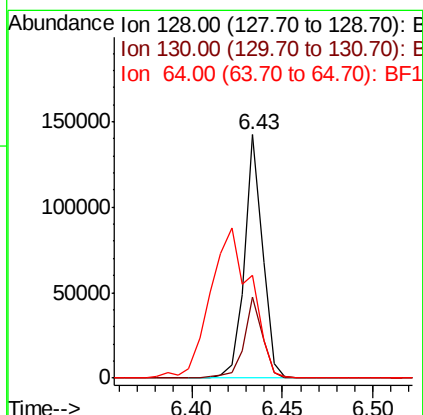
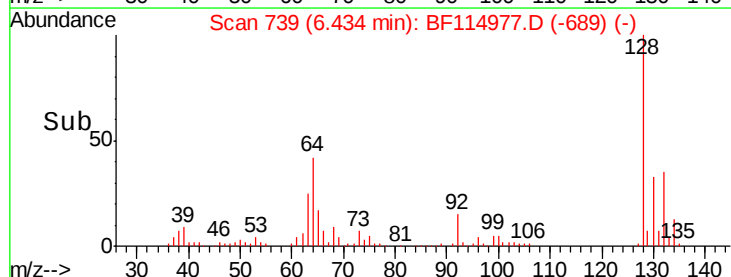
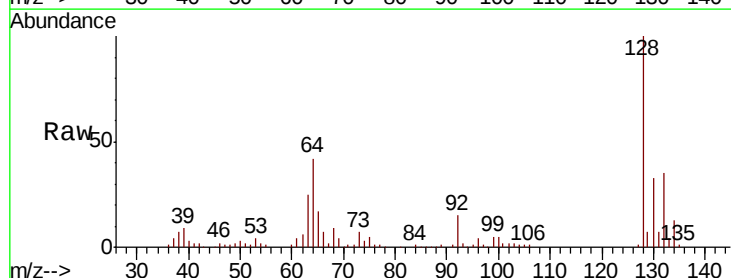
Tgt Ion: 128 Resp: 98746

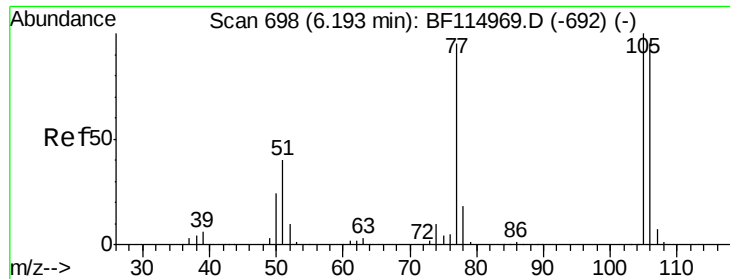
Ion Ratio Lower Upper

128 100

130 33.1 13.4 53.4

64 42.1 20.1 60.1





#9

Benzaldehyde

Concen: 6.944 ng

RT: 6.19 min Scan# 698

Delta R.T. 0.00 min

Lab File: BF114977.D

Acq: 12 Jun 2019 16:24

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

Tot Ion: 77 Resp: 79975

Ion Ratio Lower Upper

77 100

105 105.7 85.1 125.1

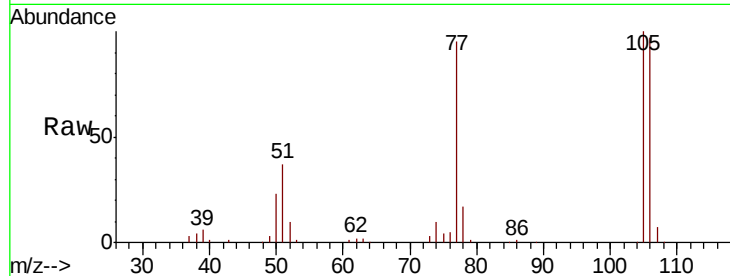
106 102.3 80.0 120.0

Manual Integrations

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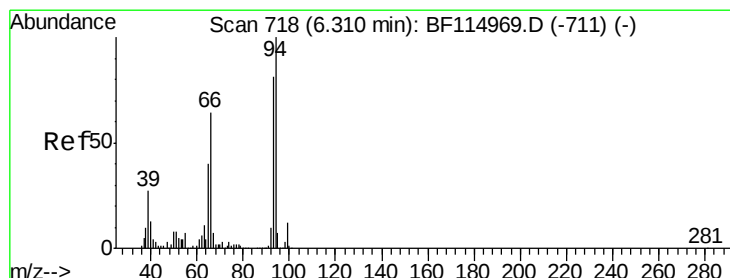
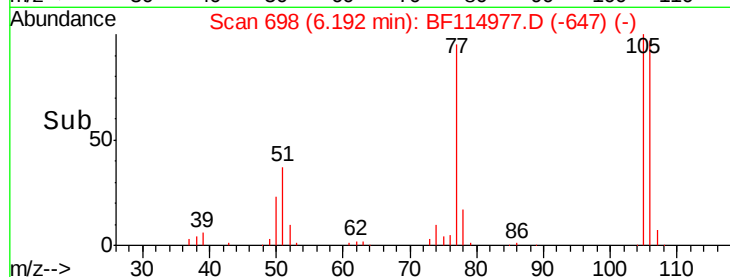
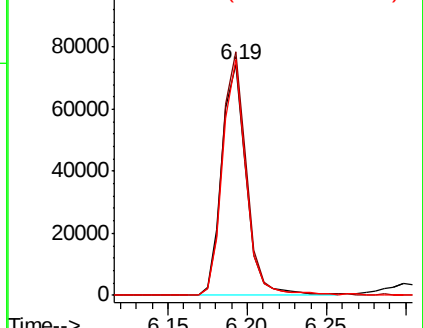
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Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1



#10

Phenol

Concen: 5.356 ng

RT: 6.30 min Scan# 717

Delta R.T. -0.01 min

Lab File: BF114977.D

Acq: 12 Jun 2019 16:24

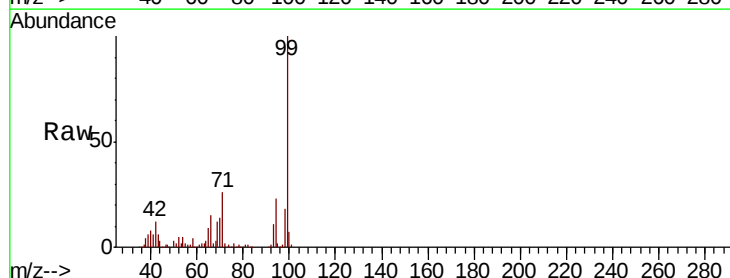
Tgt Ion: 94 Resp: 120051

Ion Ratio Lower Upper

94 100

65 38.7 20.0 60.0

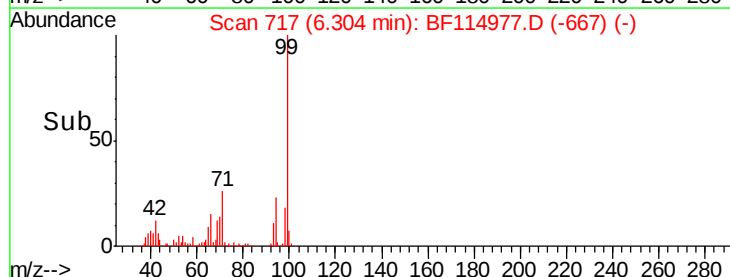
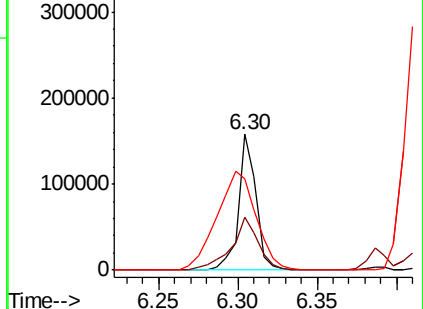
66 67.4 44.1 84.1

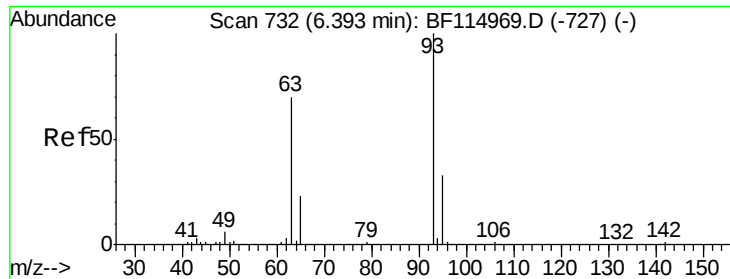


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





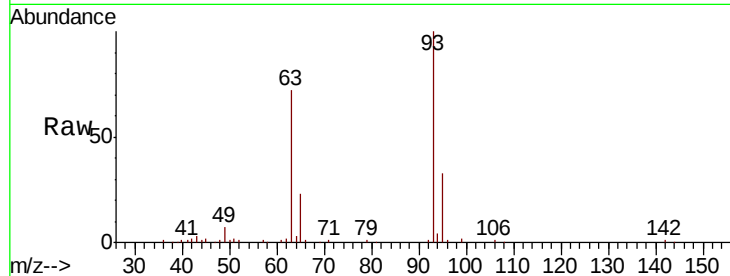
#11
bis(2-Chloroethyl)ether
Concen: 5.208 ng
RT: 6.39 min Scan# 731
Delta R.T. -0.01 min
Lab File: BF114977.D
Acq: 12 Jun 2019 16:24

Instrument :
BNA_F
ClientSampleId :
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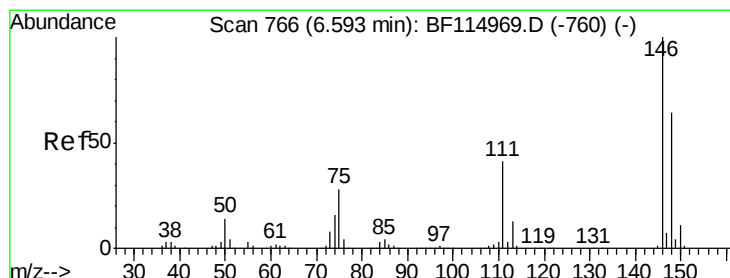
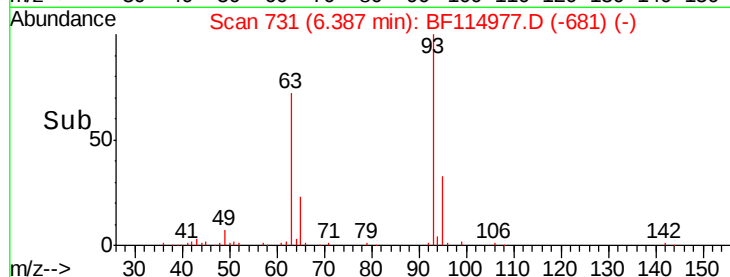
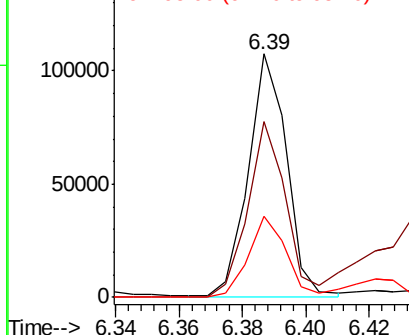
Tot Ion	93	Resp	90606
Ion	Ratio	Lower	Upper
93	100		
63	72.0	49.8	89.8
95	33.0	13.3	53.3

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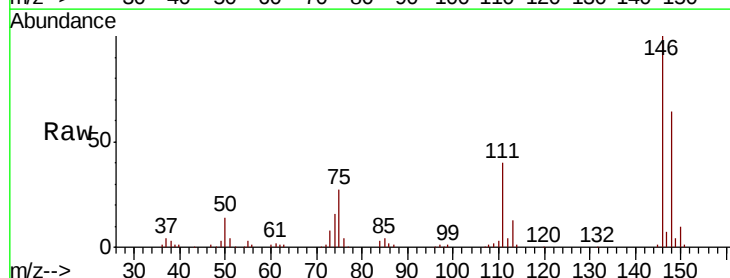


Abundance Ion 93.00 (92.70 to 93.70): BF1
Ion 63.00 (62.70 to 63.70): BF1
Ion 95.00 (94.70 to 95.70): BF1

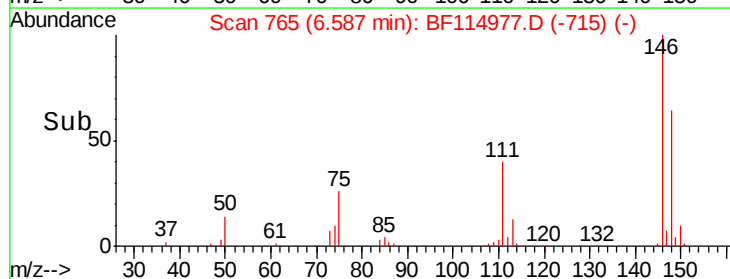
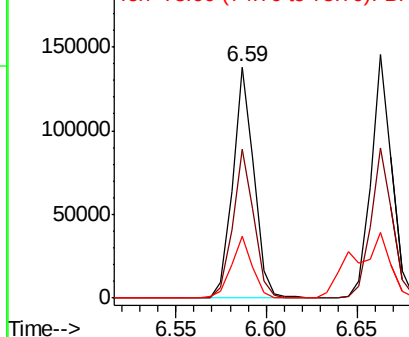


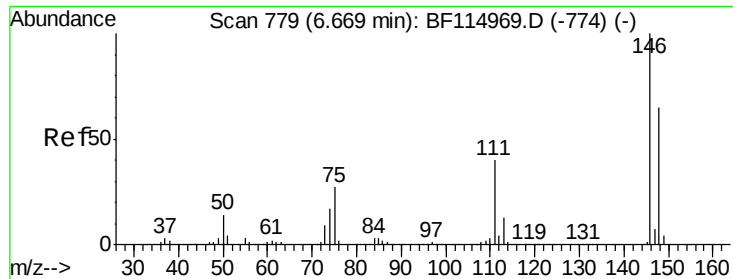
#12
1,3-Dichlorobenzene
Concen: 5.107 ng
RT: 6.59 min Scan# 765
Delta R.T. -0.01 min
Lab File: BF114977.D
Acq: 12 Jun 2019 16:24

Tgt Ion	146	Resp	112338
Ion	Ratio	Lower	Upper
146	100		
148	64.3	51.6	77.4
75	26.9	22.3	33.5



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 75.00 (74.70 to 75.70): BF1





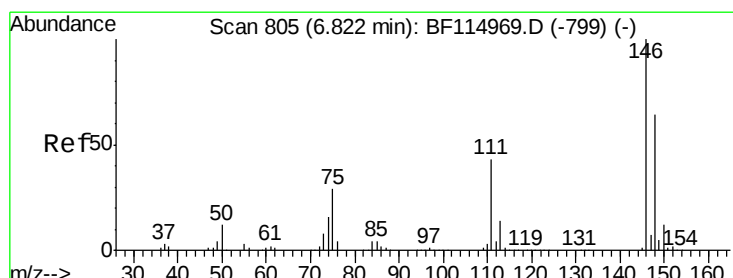
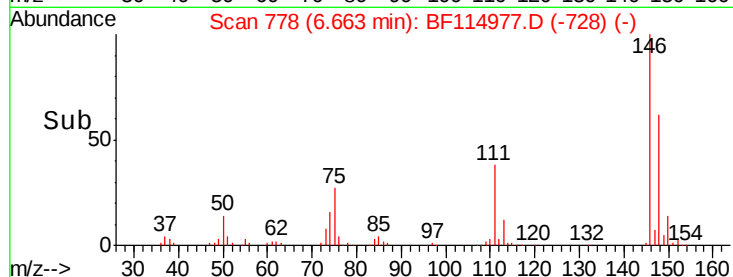
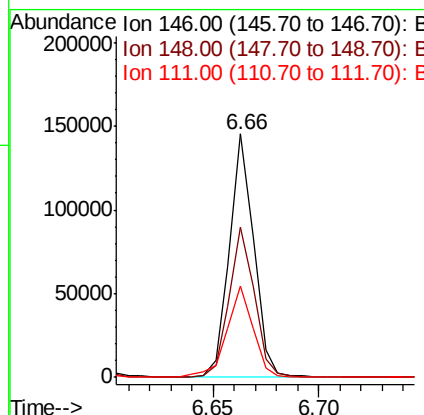
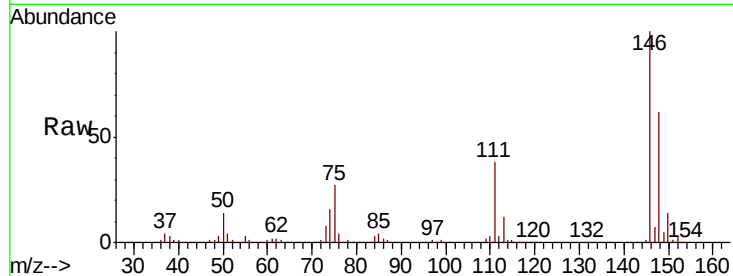
#13
1,4-Dichlorobenzene
Concen: 5.245 ng
RT: 6.66 min Scan# 778
Delta R.T. -0.01 min
Lab File: BF114977.D
Acq: 12 Jun 2019 16:24

Instrument :
BNA_F
ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
146	100		
148	61.8	52.2	78.2
111	37.6	32.4	48.6

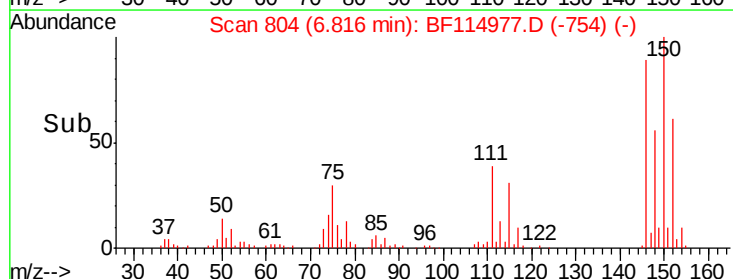
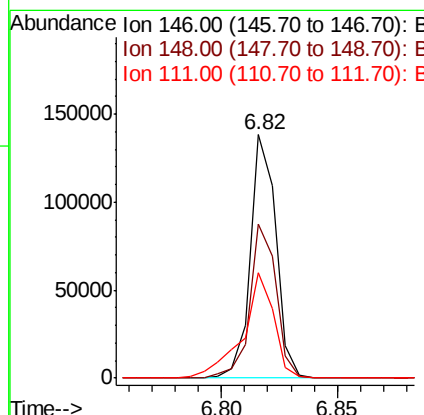
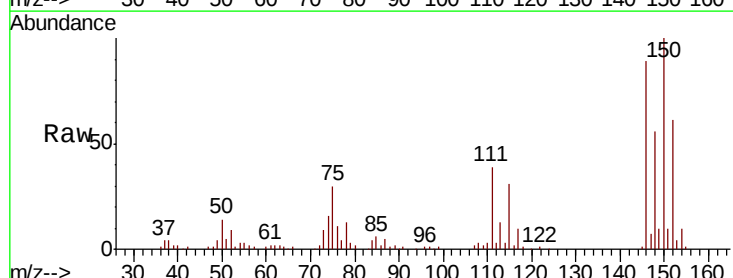
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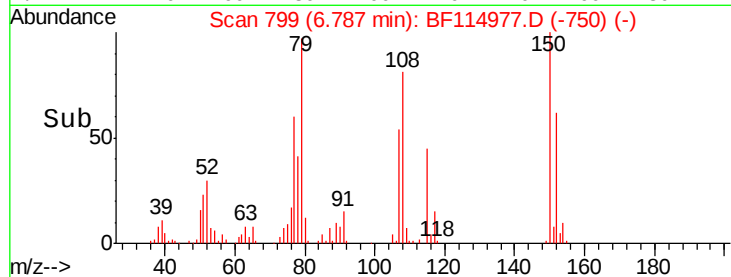
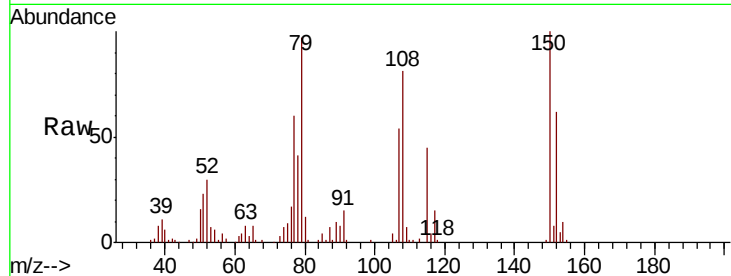
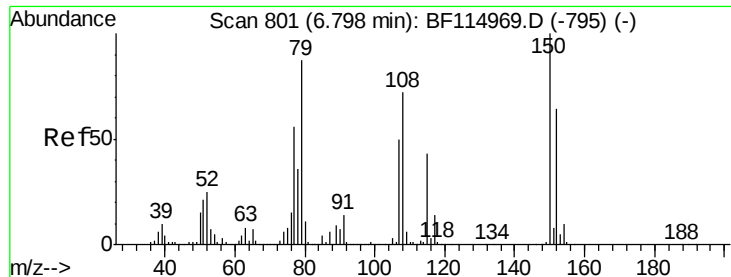
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#14
1,2-Dichlorobenzene
Concen: 5.162 ng
RT: 6.82 min Scan# 804
Delta R.T. -0.01 min
Lab File: BF114977.D
Acq: 12 Jun 2019 16:24

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.2	51.5	77.3
111	43.2	34.6	51.8





#15

Benzyl Alcohol

Concen: 6.520 ng

RT: 6.79 min Scan# 799

Delta R.T. -0.01 min

Lab File: BF114977.D

Acq: 12 Jun 2019 16:24

Tot Ion:	79	Resp:	97858
Ion Ratio	Lower	Upper	
79	100		
108	83.0	66.0	99.0
77	61.7	51.1	76.7

Instrument :

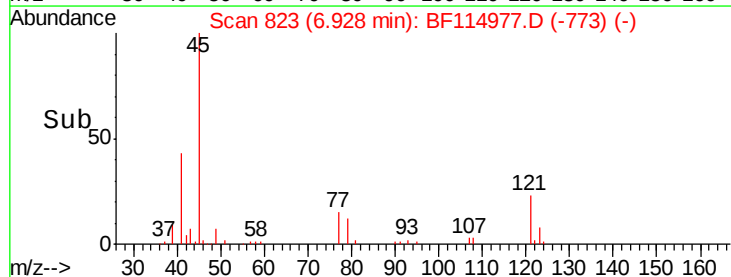
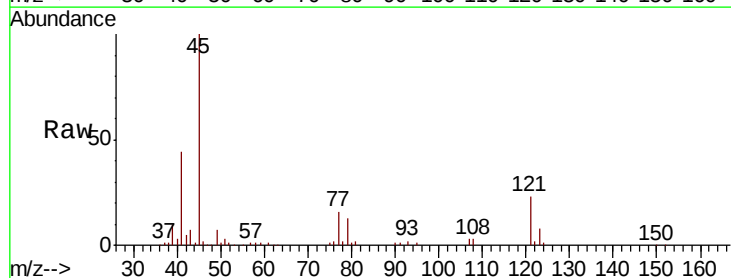
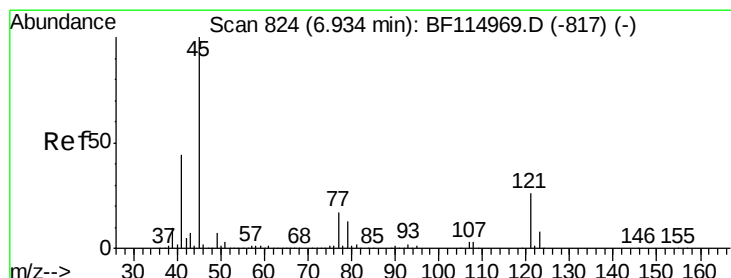
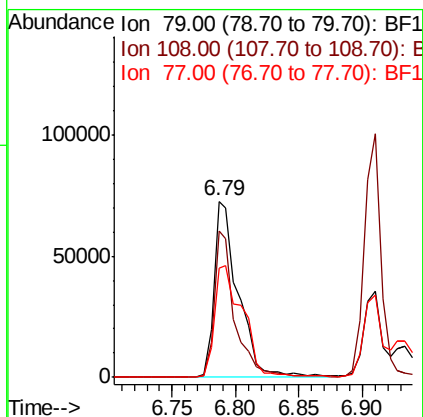
BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

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#16

2,2'-oxybis(1-chloropropane)

Concen: 5.117 ng

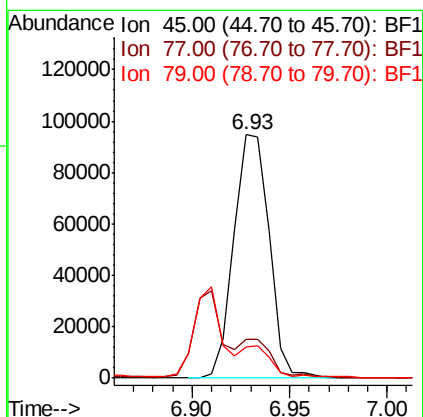
RT: 6.93 min Scan# 823

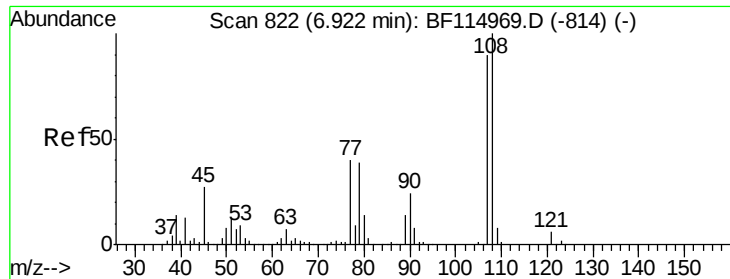
Delta R.T. -0.01 min

Lab File: BF114977.D

Acq: 12 Jun 2019 16:24

Tgt Ion:	45	Resp:	119138
Ion Ratio	Lower	Upper	
45	100		
77	15.7	0.0	37.0
79	12.7	0.0	33.1





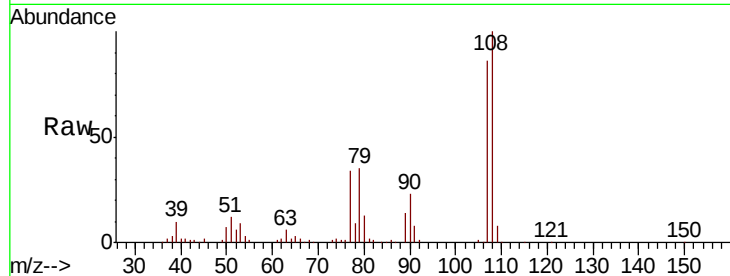
#17
2-Methylphenol
Concen: 5.213 ng
RT: 6.91 min Scan# 820
Delta R.T. -0.01 min
Lab File: BF114977.D
Acq: 12 Jun 2019 16:24

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

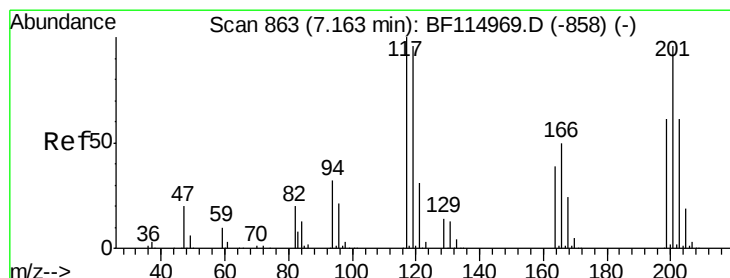
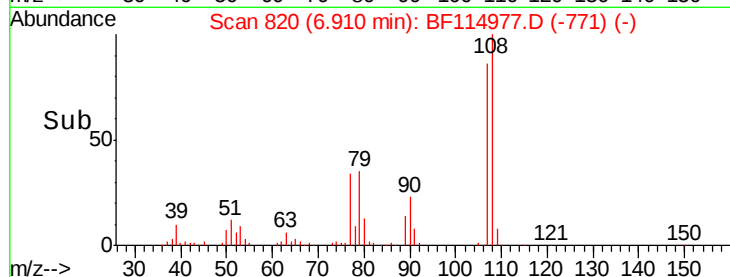
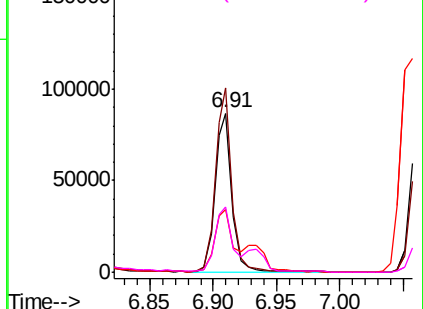
Tot Ion:	107	Resp:	81886
Ion Ratio	Lower	Upper	
107	100		
108	115.9	89.3	133.9
77	39.4	35.4	53.2
79	40.8	34.9	52.3

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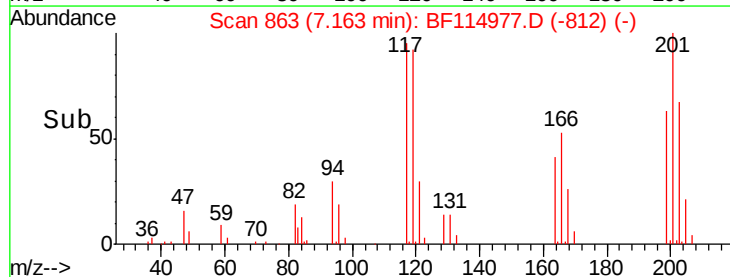
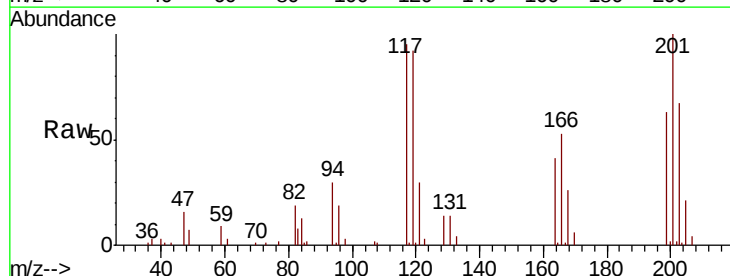
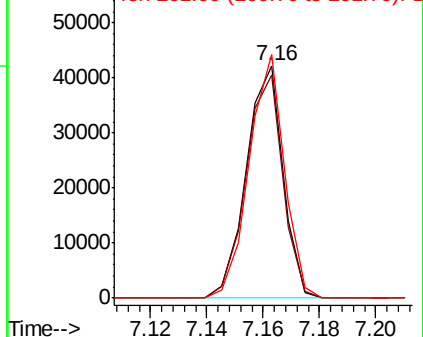
Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1

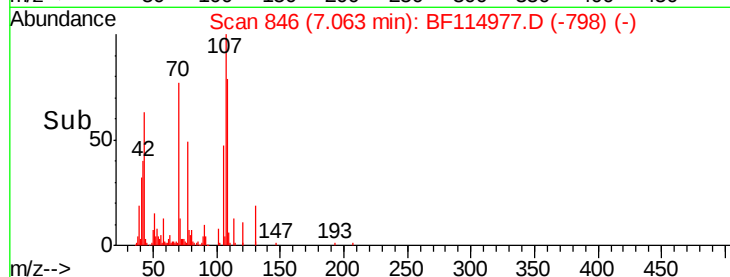
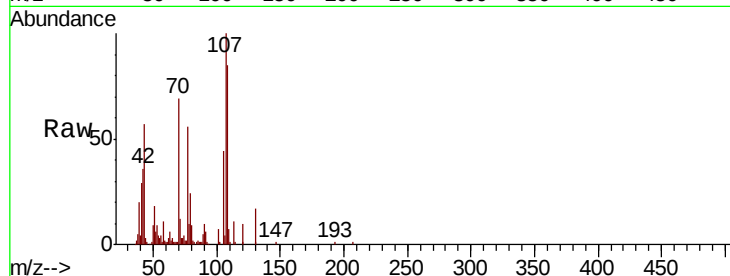
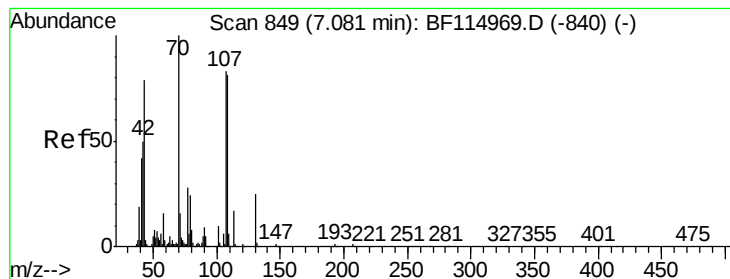


#18
Hexachloroethane
Concen: 4.739 ng
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: BF114977.D
Acq: 12 Jun 2019 16:24

Tgt Ion:	117	Resp:	37843
Ion Ratio	Lower	Upper	
117	100		
119	96.0	77.0	115.4
201	104.8	76.6	115.0

Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E





#19

n-Nitroso-di-n-propylamine

Concen: 5.499 ng

RT: 7.06 min Scan# 846

Delta R.T. -0.02 min

Lab File: BF114977.D

Acq: 12 Jun 2019 16:24

Instrument :

BNA_F

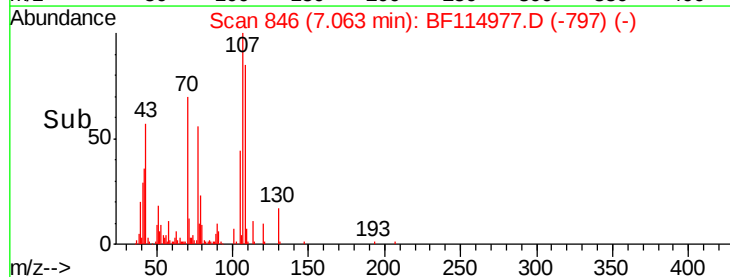
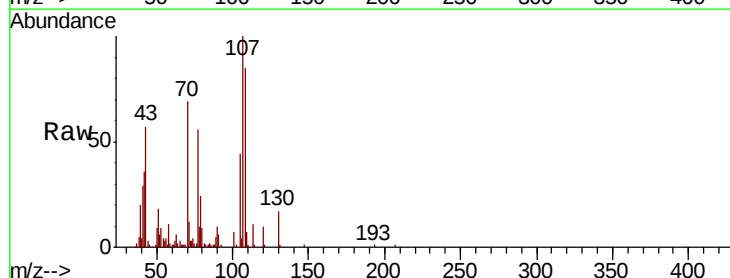
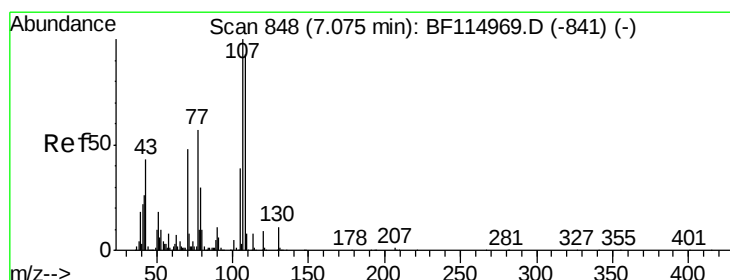
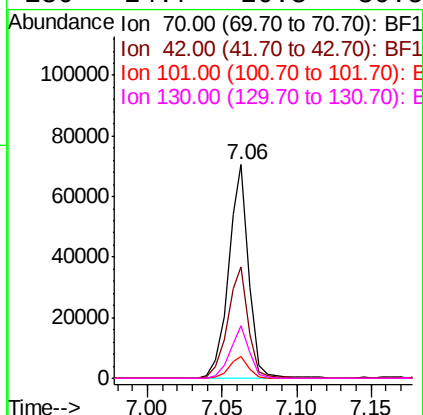
ClientSampleId :

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Tot Ion	Ion	Ratio	Resp	Lower	Upper
70	100				
42	52.2		40.3	60.5	
101	10.2		8.2	12.4	
130	24.7		20.3	30.5	

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#20

3+4-Methylphenols

Concen: 5.692 ng

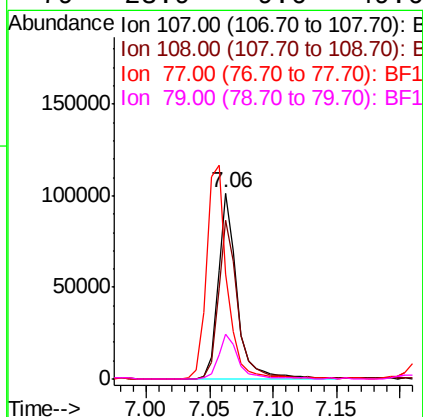
RT: 7.06 min Scan# 846

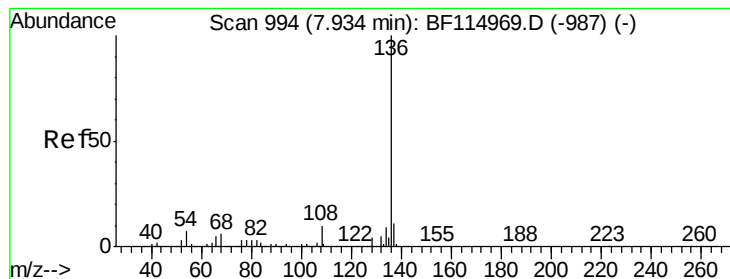
Delta R.T. -0.01 min

Lab File: BF114977.D

Acq: 12 Jun 2019 16:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100				
108	85.4		73.1	113.1	
77	56.4		37.3	77.3	
79	23.9		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: BF114977.D

Acq: 12 Jun 2019 16:24

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

Tot Ion:136 Resp: 1075260

Ion Ratio Lower Upper

136 100

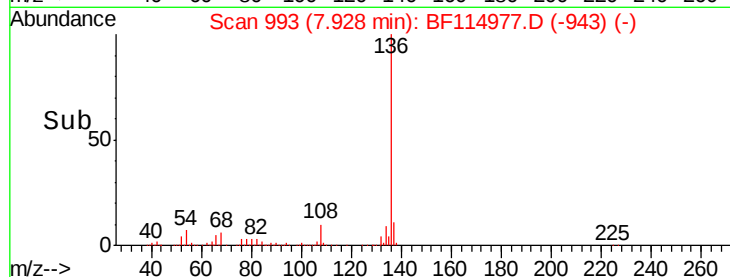
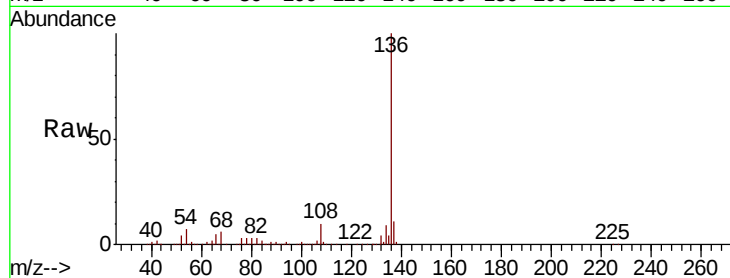
137 11.2 9.0 13.4

54 6.8 5.4 8.0

68 5.9 4.6 7.0

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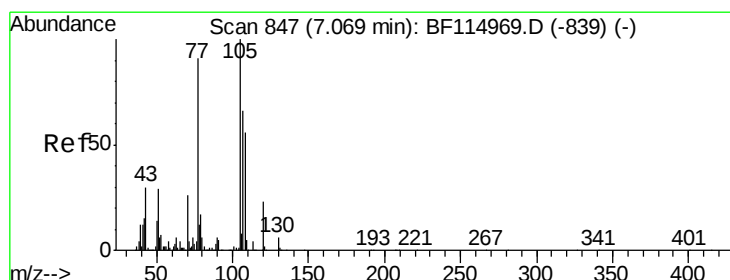
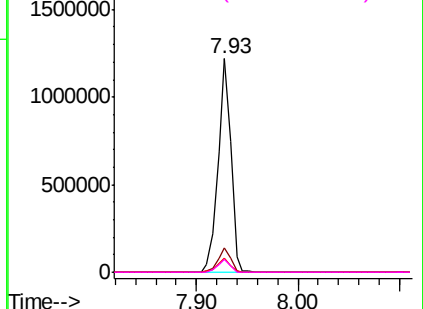


Abundance Ion 136.00 (135.70 to 136.70): E

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: 5.865 ng

RT: 7.05 min Scan# 844

Delta R.T. -0.02 min

Lab File: BF114977.D

Acq: 12 Jun 2019 16:24

Tgt Ion:105 Resp: 142747

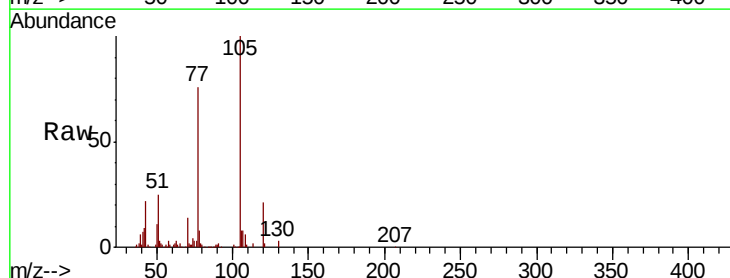
Ion Ratio Lower Upper

105 100

71 2.4 3.4 5.2#

51 24.5 23.3 34.9

120 21.0 18.8 28.2

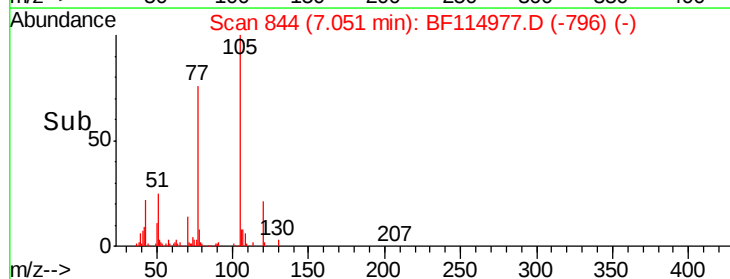
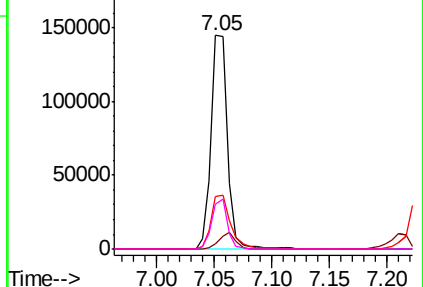


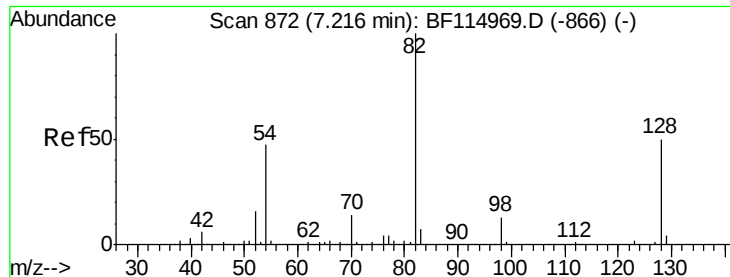
Abundance Ion 105.00 (104.70 to 105.70): E

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





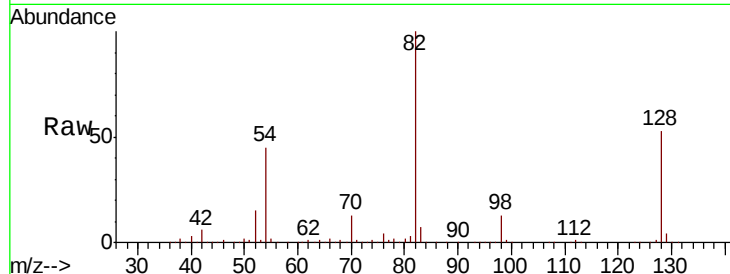
#23
 Nitrobenzene-d5
 Concen: 85.644 ng
 RT: 7.22 min Scan# 872
 Delta R.T. -0.00 min
 Lab File: BF114977.D
 Acq: 12 Jun 2019 16:24

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2019

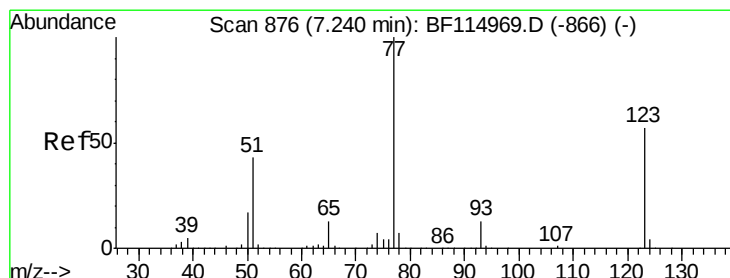
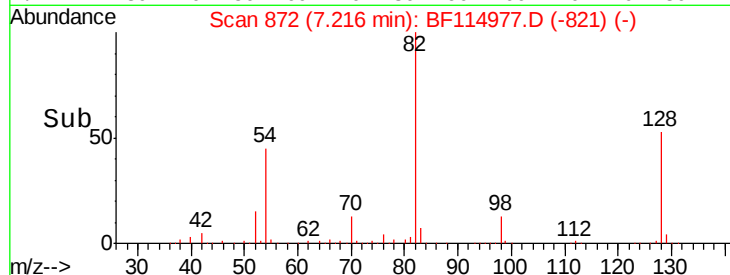
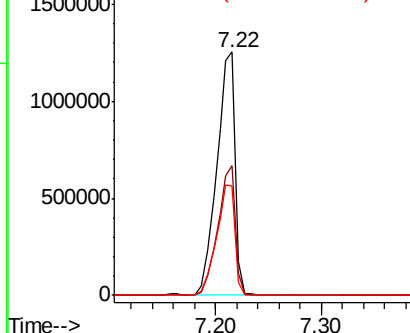
Tot Ion: 82 Resp: 1529925
 Ion Ratio Lower Upper
 82 100
 128 53.5 39.9 59.9
 54 45.1 37.3 55.9

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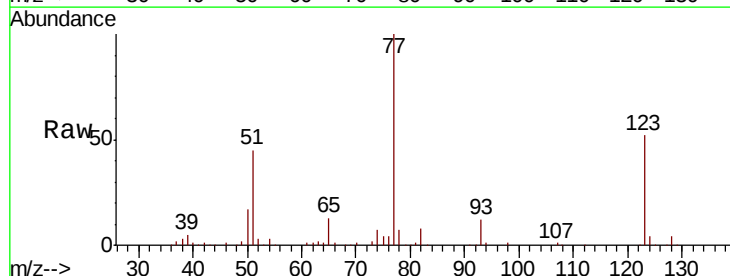


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

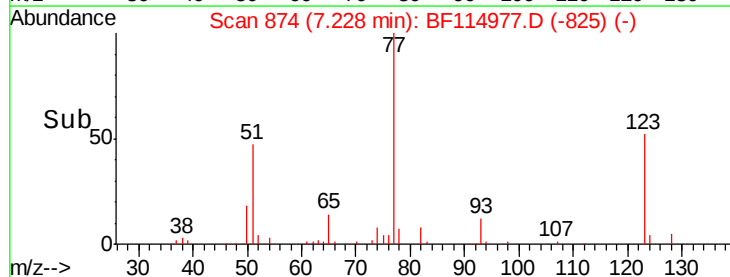
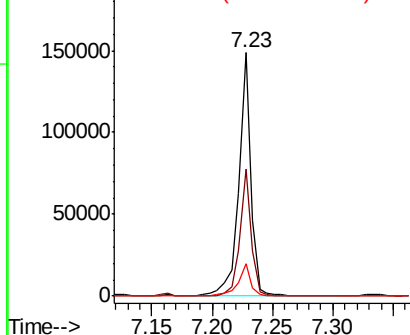


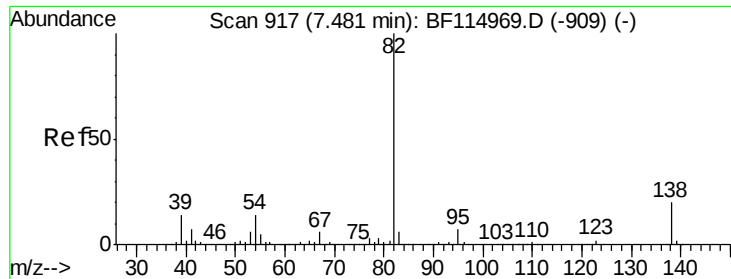
#24
 Nitrobenzene
 Concen: 5.798 ng
 RT: 7.23 min Scan# 874
 Delta R.T. -0.01 min
 Lab File: BF114977.D
 Acq: 12 Jun 2019 16:24

Tgt Ion: 77 Resp: 105382
 Ion Ratio Lower Upper
 77 100
 123 52.3 45.5 68.3
 65 13.1 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: 5.351 ng

RT: 7.46 min Scan# 914

Delta R.T. -0.02 min

Lab File: BF114977.D

Acq: 12 Jun 2019 16:24

Instrument :

BNA_F

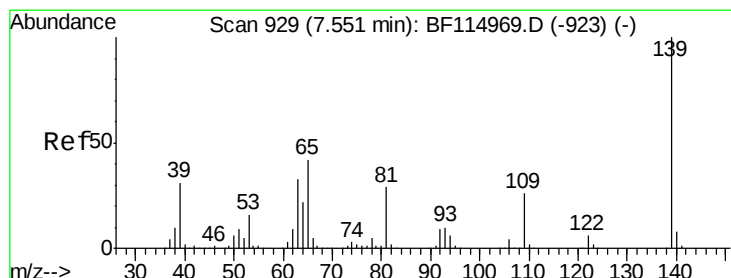
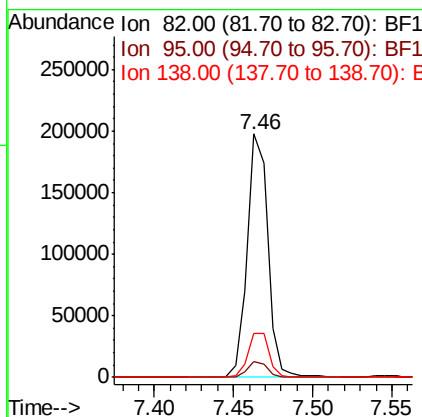
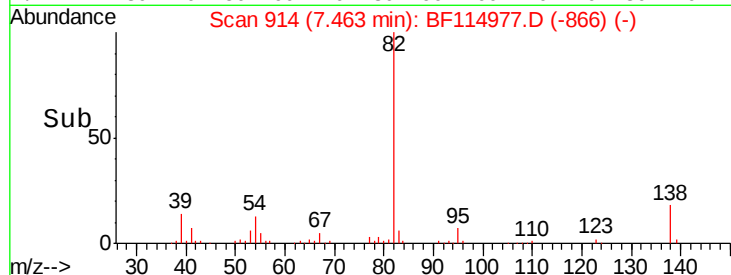
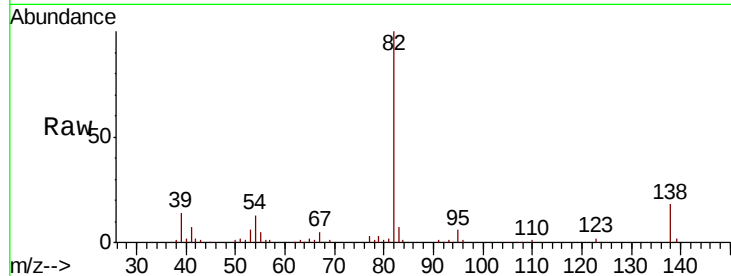
ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

Tot Ion:	82	Resp:	179042
Ion Ratio		Lower	Upper
82	100		
95	6.5	5.6	8.4
138	17.9	16.1	24.1

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#26

2-Nitrophenol

Concen: 5.185 ng

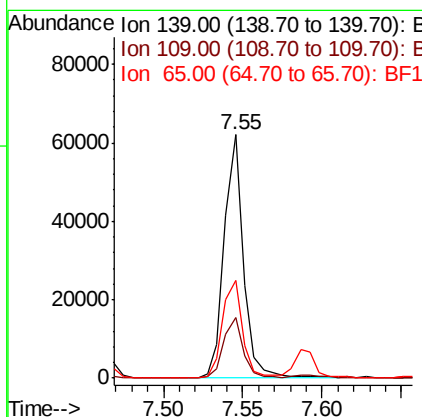
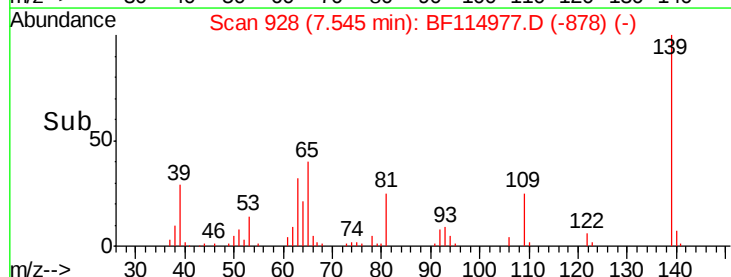
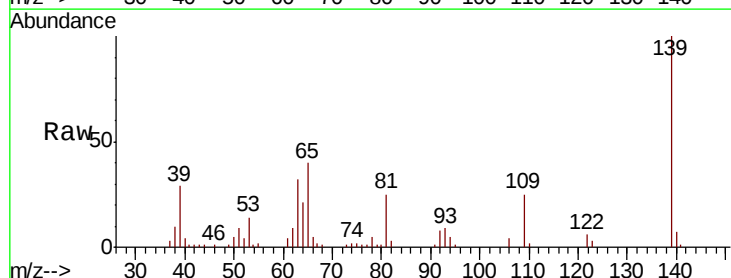
RT: 7.55 min Scan# 928

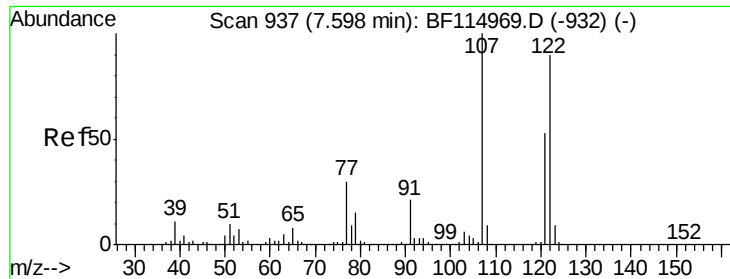
Delta R.T. -0.01 min

Lab File: BF114977.D

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Tgt Ion:	139	Resp:	52531
Ion Ratio		Lower	Upper
139	100		
109	25.1	20.8	31.2
65	40.1	33.4	50.2





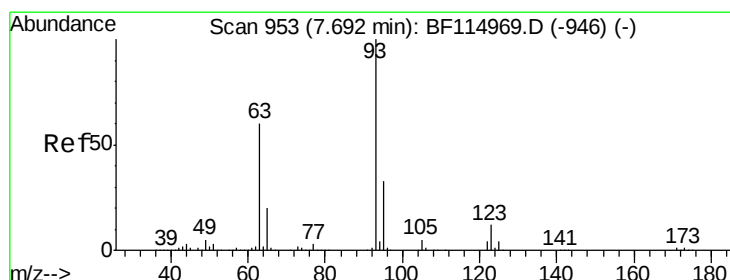
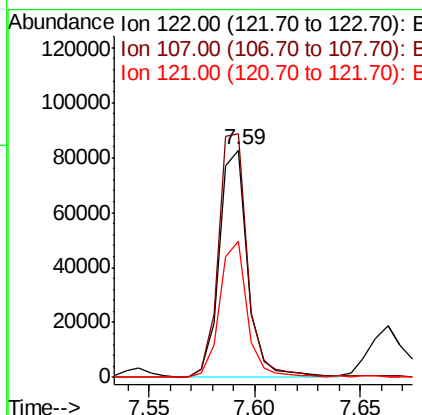
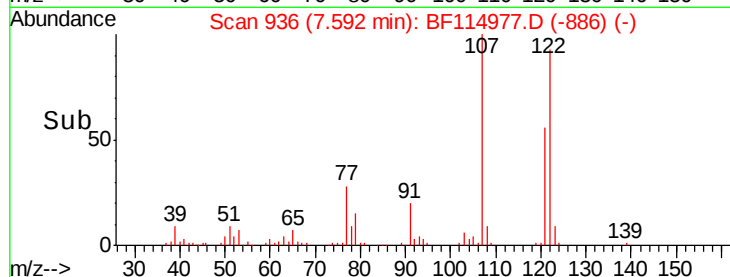
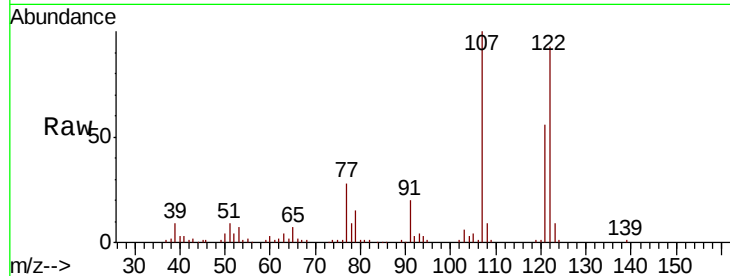
#27
2,4-Dimethylphenol
Concen: 5.310 ng
RT: 7.59 min Scan# 936
Delta R.T. -0.01 min
Lab File: BF114977.D
Acq: 12 Jun 2019 16:24

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tot Ion	Ratio	Lower	Upper
122	100		
107	107.0	88.8	133.2
121	60.0	47.4	71.0

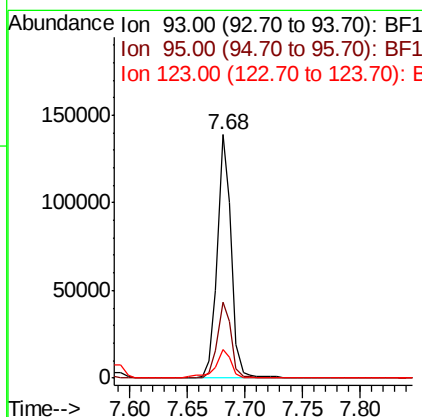
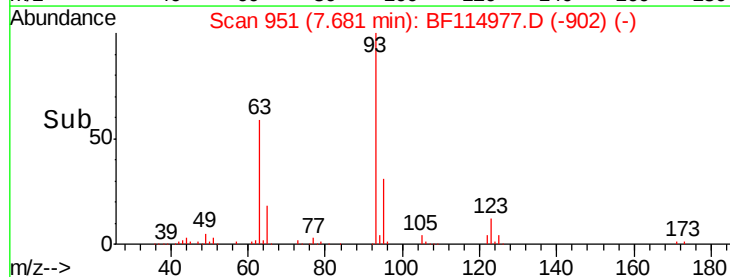
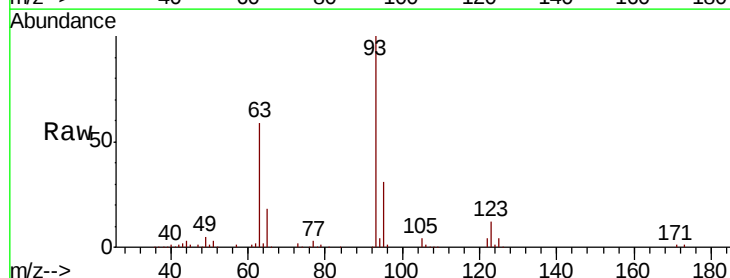
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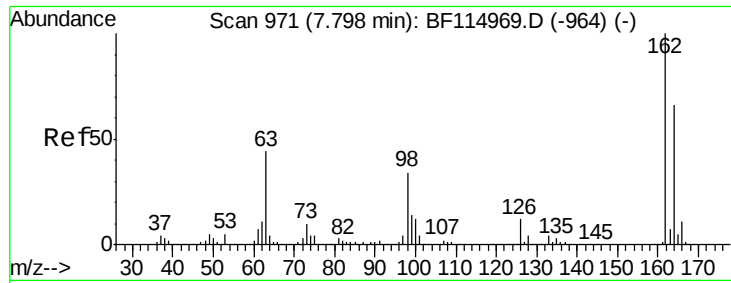
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#28
bis(2-Chloroethoxy)methane
Concen: 5.423 ng
RT: 7.68 min Scan# 951
Delta R.T. -0.01 min
Lab File: BF114977.D
Acq: 12 Jun 2019 16:24

Tgt Ion	Ratio	Lower	Upper
93	100		
95	31.3	26.6	40.0
123	11.6	9.9	14.9





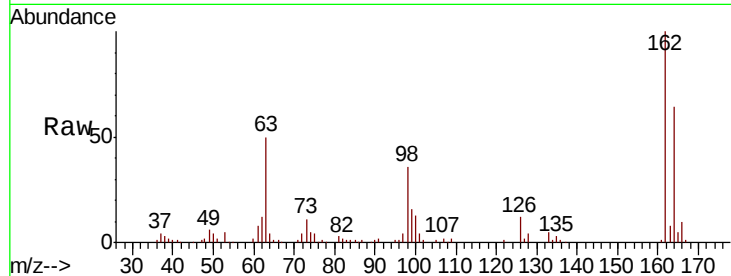
#29
2,4-Dichlorophenol
Concen: 5.446 ng
RT: 7.79 min Scan# 969
Delta R.T. -0.01 min
Lab File: BF114977.D
Acq: 12 Jun 2019 16:24

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tot Ion	Ratio	Lower	Upper
162	100		
164	63.8	45.7	85.7
98	35.6	14.0	54.0

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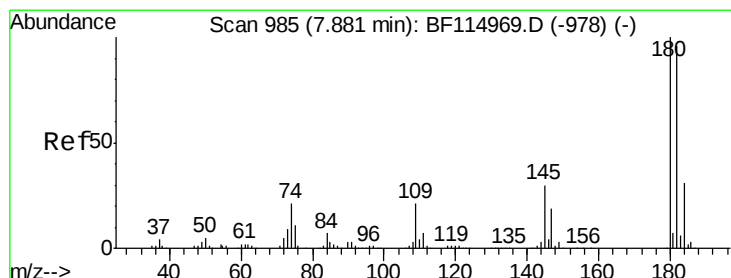
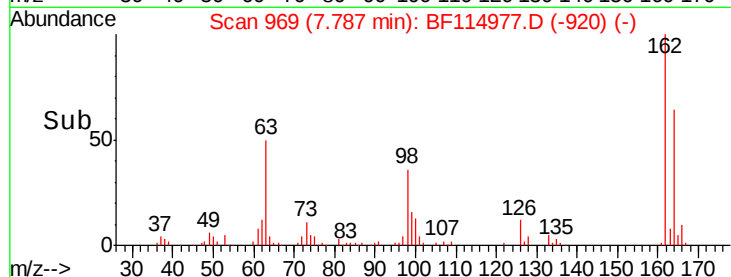
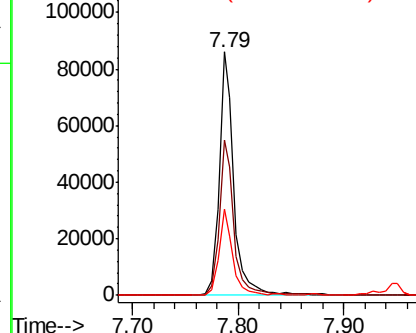


Abundance

Ion 162.00 (161.70 to 162.70): E

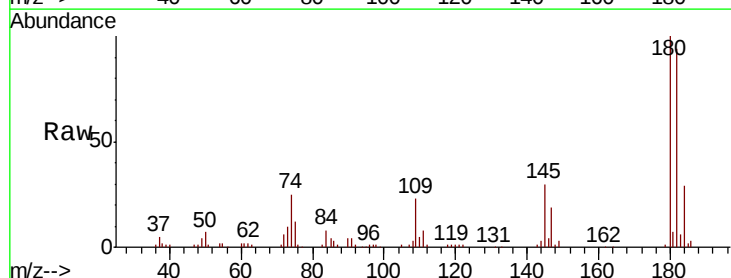
Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BF1



#30
1,2,4-Trichlorobenzene
Concen: 5.354 ng
RT: 7.87 min Scan# 983
Delta R.T. -0.01 min
Lab File: BF114977.D
Acq: 12 Jun 2019 16:24

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.0	76.7	115.1
145	30.3	24.1	36.1

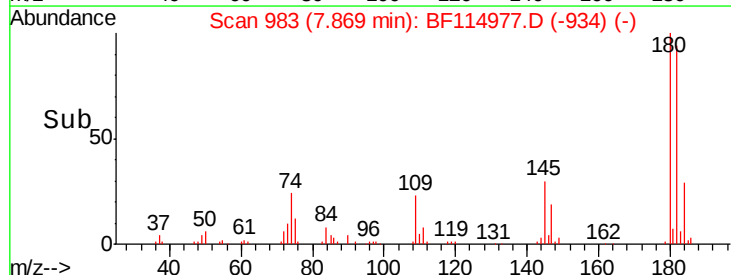
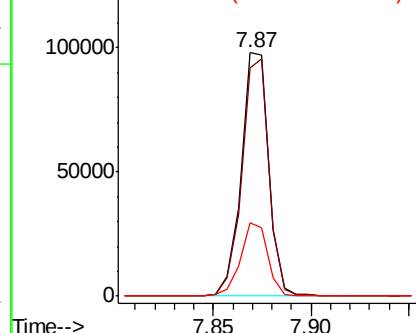


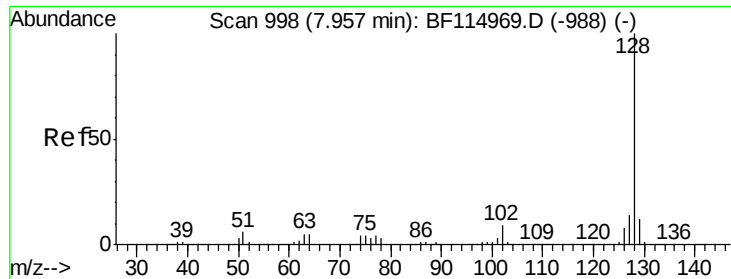
Abundance

Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E





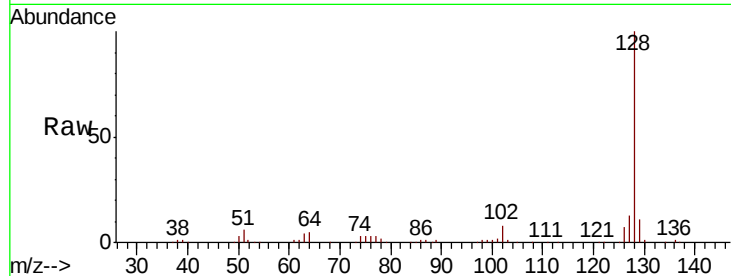
#31
Naphthalene
Concen: 6.105 ng
RT: 7.95 min Scan# 997
Delta R.T. -0.01 min
Lab File: BF114977.D
Acq: 12 Jun 2019 16:24

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tot Ion	Ratio	Lower	Upper
128	100		
129	10.6	9.5	14.3
127	12.7	11.5	17.3

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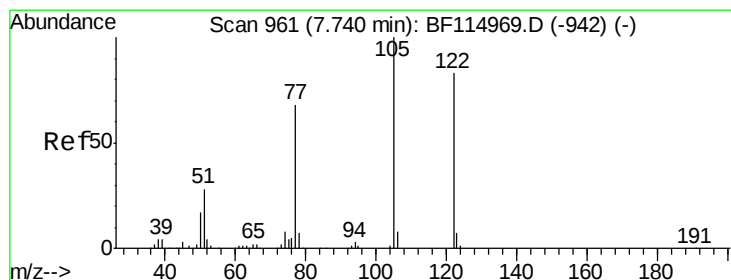
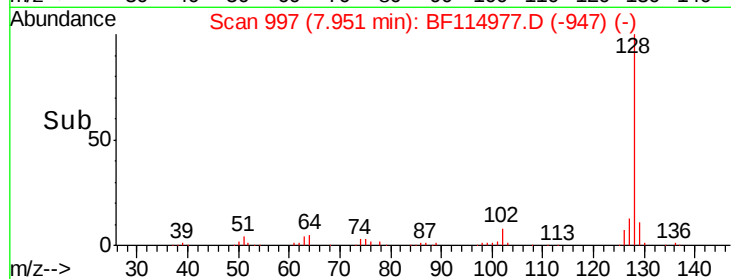
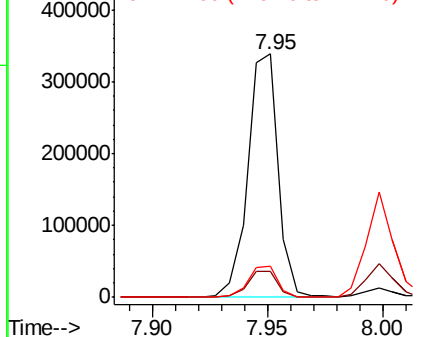


Abundance

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: 2.751 ng
RT: 7.66 min Scan# 948
Delta R.T. -0.08 min
Lab File: BF114977.D
Acq: 12 Jun 2019 16:24

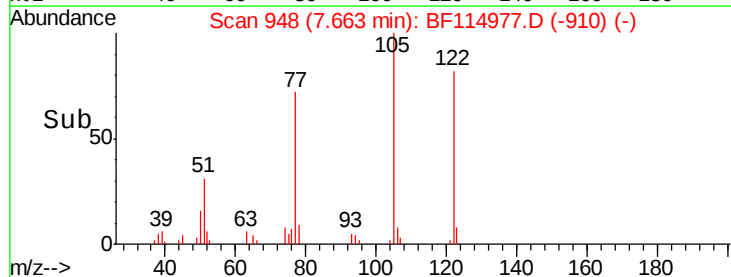
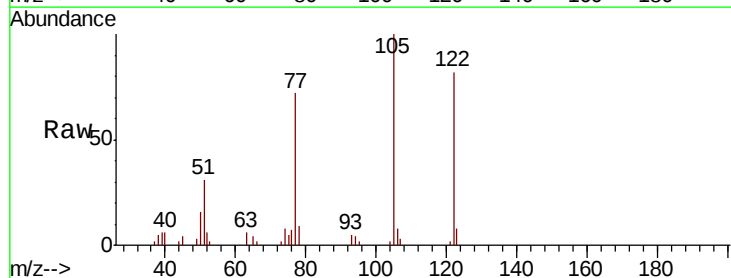
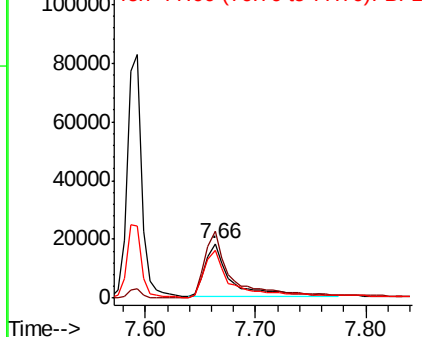
Tgt Ion	Ratio	Lower	Upper
122	100		
105	121.5	98.6	138.6
77	87.9	60.9	100.9

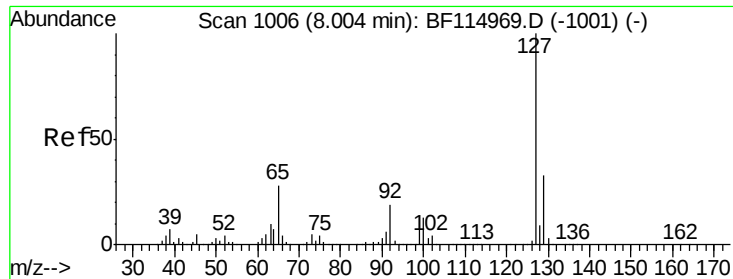
Abundance

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





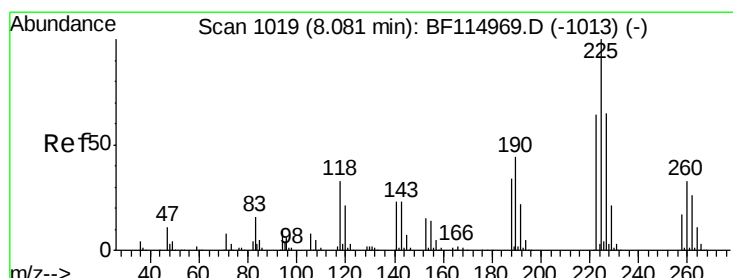
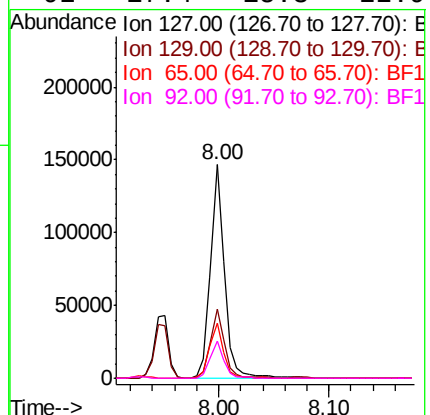
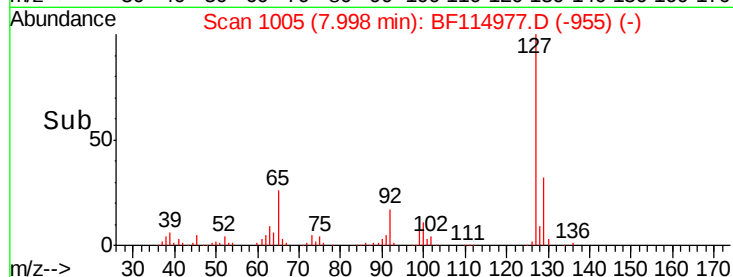
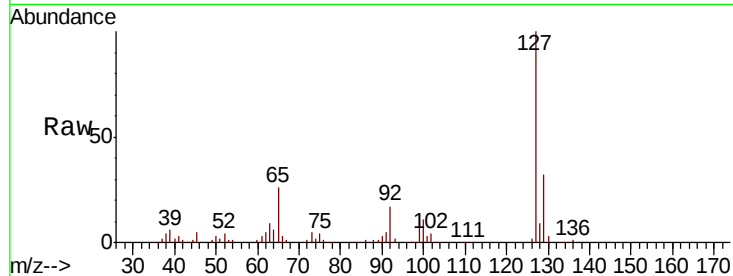
#33
4-Chloroaniline
Concen: 5.364 ng
RT: 8.00 min Scan# 1005
Delta R.T. -0.01 min
Lab File: BF114977.D
Acq: 12 Jun 2019 16:24

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100		125973		
129	32.3	26.1	39.1		
65	26.0	22.3	33.5		
92	17.4	15.3	22.9		

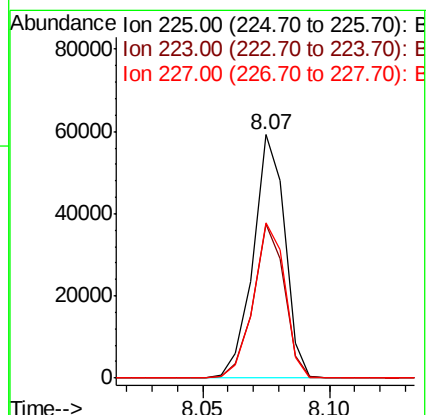
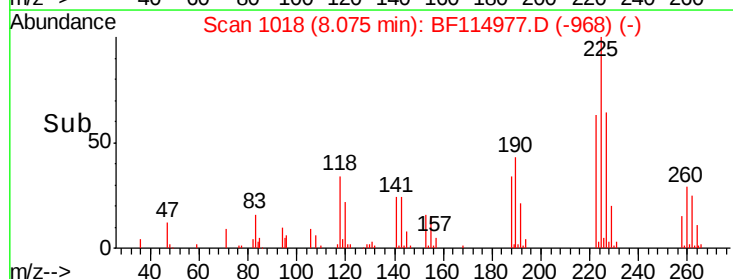
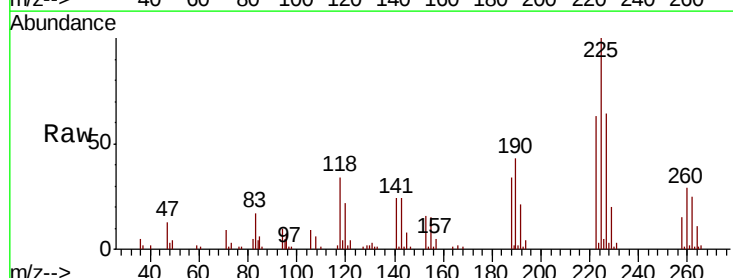
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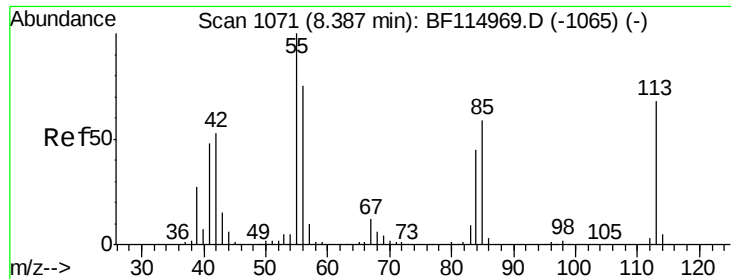
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#34
Hexachlorobutadiene
Concen: 5.212 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BF114977.D
Acq: 12 Jun 2019 16:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100		51685		
223	63.0	51.0	76.6		
227	63.9	51.7	77.5		





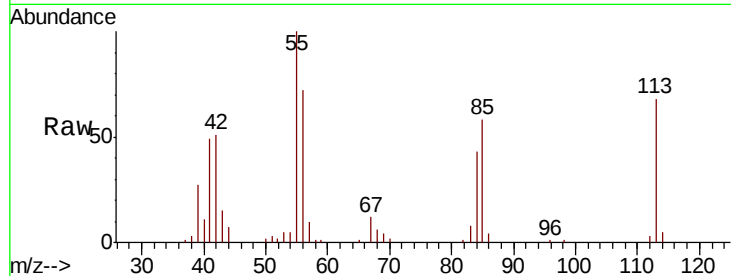
#35
Caprolactam
Concen: 5.072 ng
RT: 8.33 min Scan# 1062
Delta R.T. -0.05 min
Lab File: BF114977.D
Acq: 12 Jun 2019 16:24

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

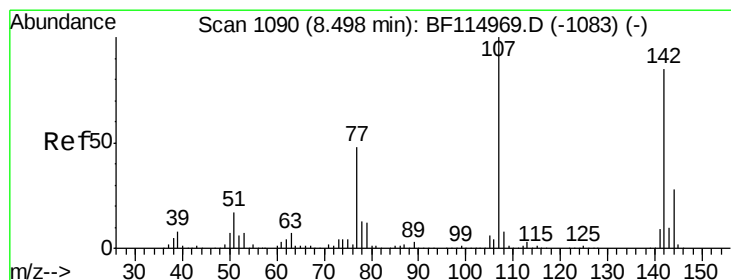
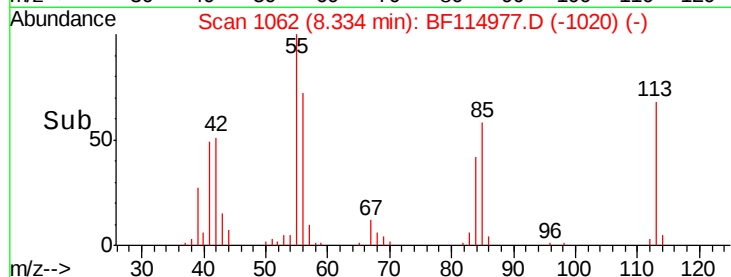
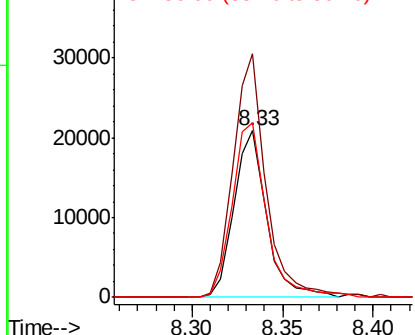
Tot Ion:113 Resp: 26083
Ion Ratio Lower Upper
113 100
55 146.3 127.3 167.3
56 105.2 90.6 130.6

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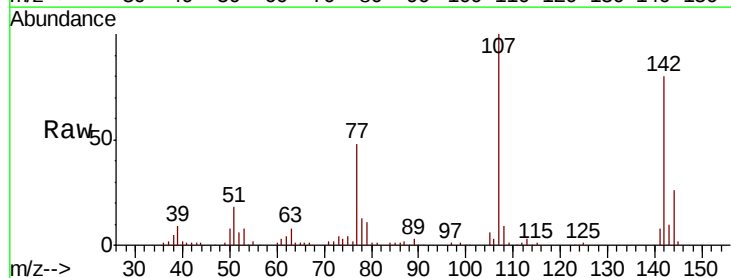


Abundance Ion 113.00 (112.70 to 113.70): E
Ion 55.00 (54.70 to 55.70): BF1
Ion 56.00 (55.70 to 56.70): BF1

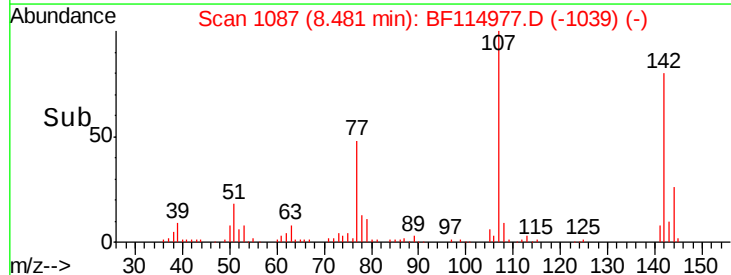
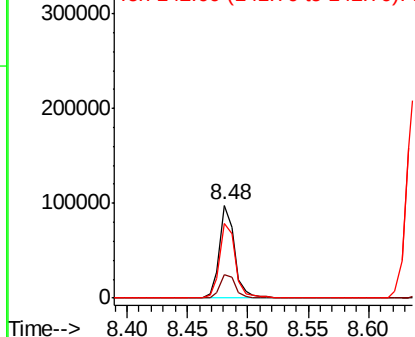


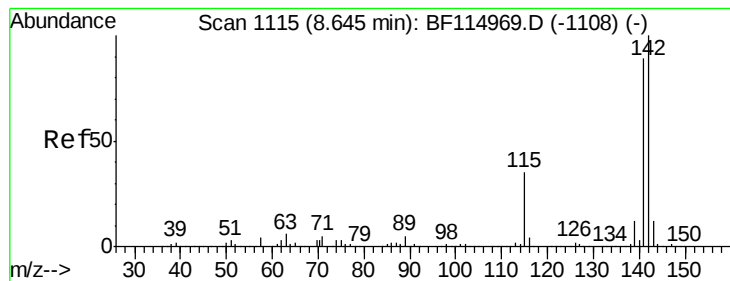
#36
4-Chloro-3-methylphenol
Concen: 5.494 ng
RT: 8.48 min Scan# 1087
Delta R.T. -0.02 min
Lab File: BF114977.D
Acq: 12 Jun 2019 16:24

Tgt Ion:107 Resp: 85482
Ion Ratio Lower Upper
107 100
144 25.6 22.0 33.0
142 80.5 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: 6.188 ng

RT: 8.64 min Scan# 1114

Delta R.T. -0.01 min

Lab File: BF114977.D

Acq: 12 Jun 2019 16:24

Instrument :

BNA_F

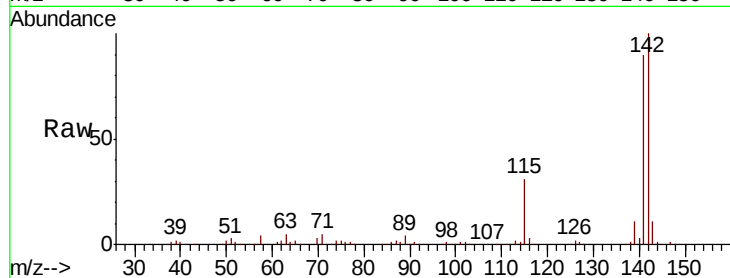
ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

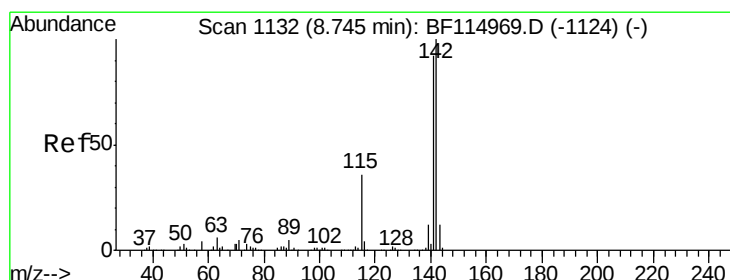
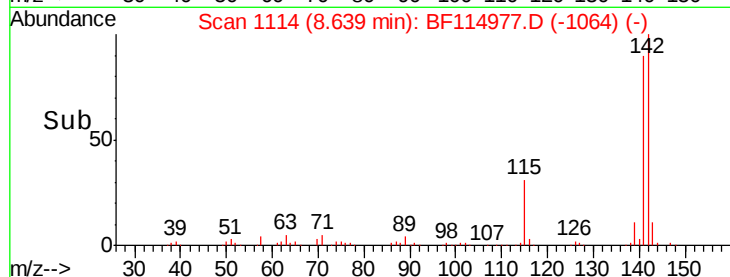
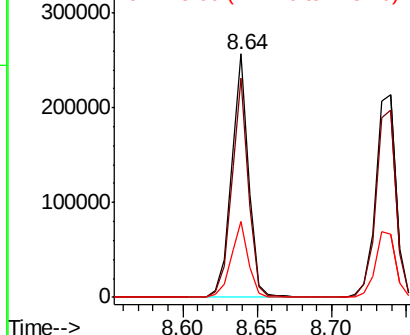
Tot Ion:	142	Resp:	209969
Ion Ratio	Lower	Upper	
142	100		
141	89.9	71.0	106.6
115	31.3	27.9	41.9

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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: 6.192 ng

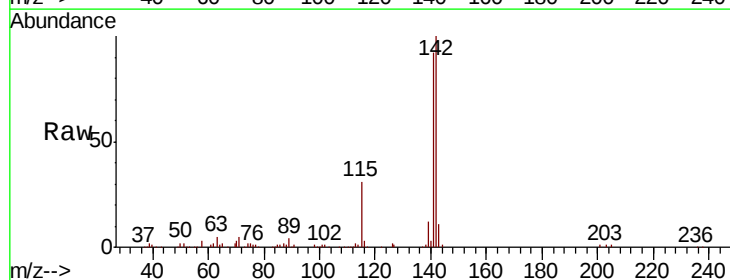
RT: 8.74 min Scan# 1131

Delta R.T. -0.01 min

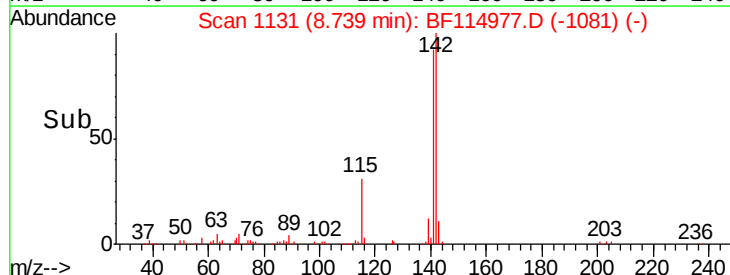
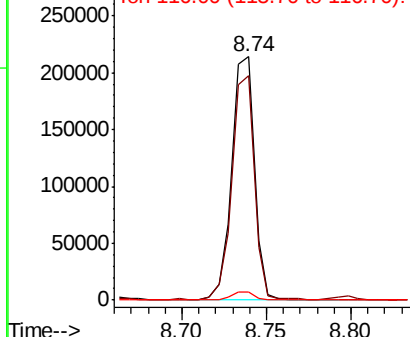
Lab File: BF114977.D

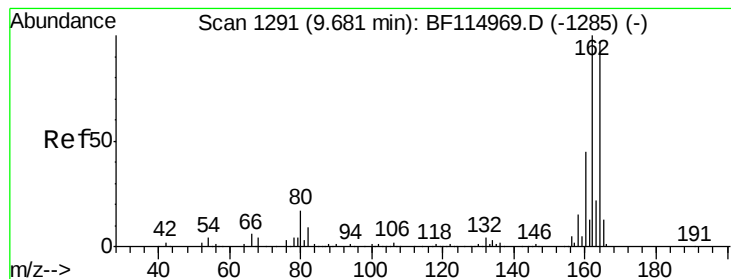
Acq: 12 Jun 2019 16:24

Tgt Ion:	142	Resp:	198577
Ion Ratio	Lower	Upper	
142	100		
141	92.3	73.8	110.8
116	3.2	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: BF114977.D

Acq: 12 Jun 2019 16:24

Instrument :

BNA_F

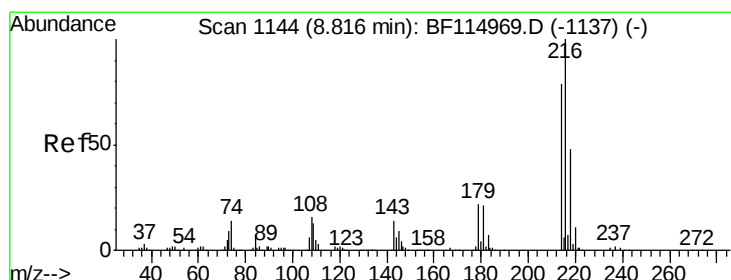
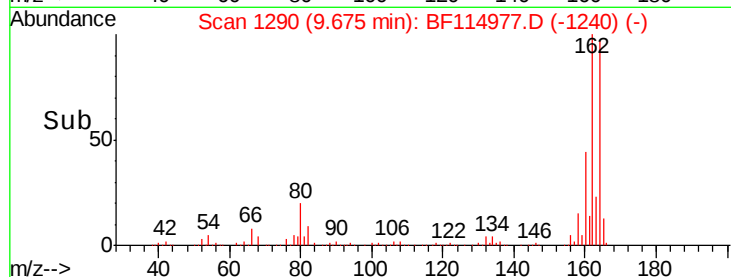
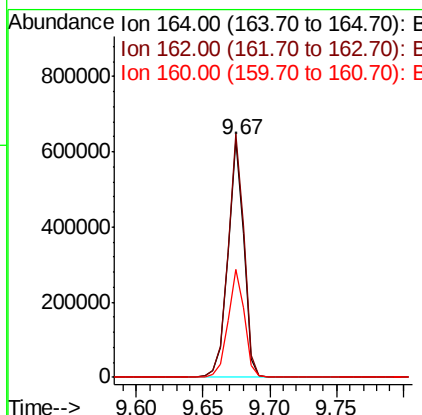
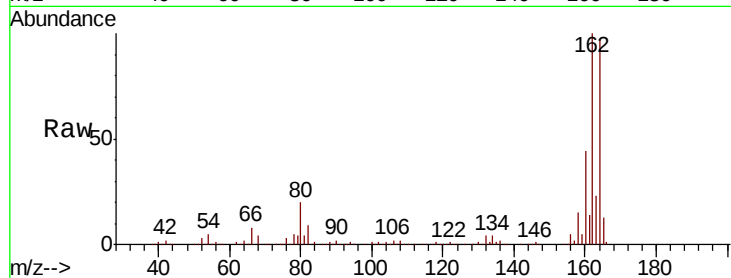
ClientSampleId :

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Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	102.6	82.6	124.0	
160	45.3	36.9	55.3	

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#40

1,2,4,5-Tetrachlorobenzene

Concen: 5.722 ng

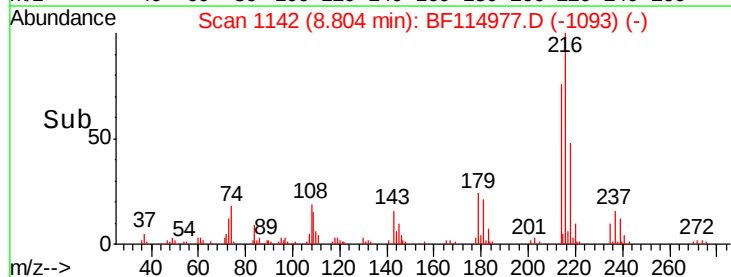
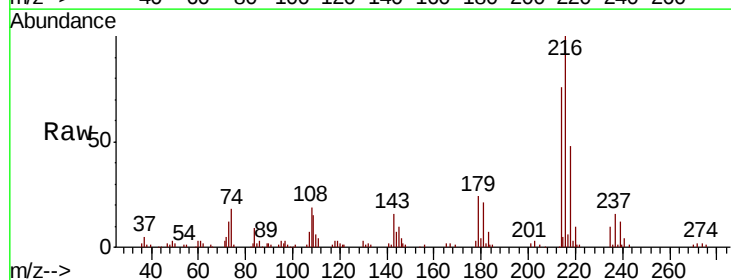
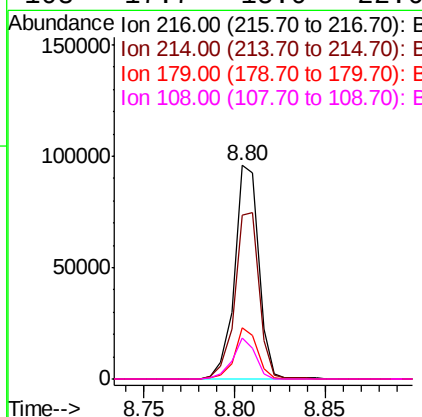
RT: 8.80 min Scan# 1142

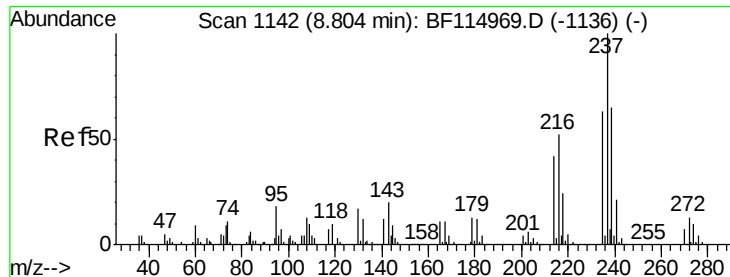
Delta R.T. -0.01 min

Lab File: BF114977.D

Acq: 12 Jun 2019 16:24

Tgt Ion	Ratio	Resp	Lower	Upper
216	100			
214	77.9	63.7	95.5	
179	22.5	18.2	27.4	
108	17.7	15.0	22.6	





#41

Hexachlorocyclopentadiene

Concen: 2.874 ng

RT: 8.80 min Scan# 1141

Delta R.T. -0.01 min

Lab File: BF114977.D

Acq: 12 Jun 2019 16:24

Instrument :

BNA_F

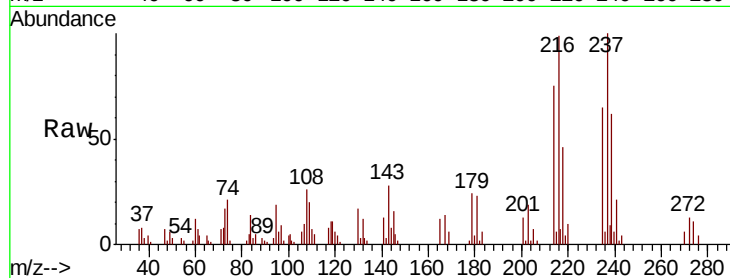
ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

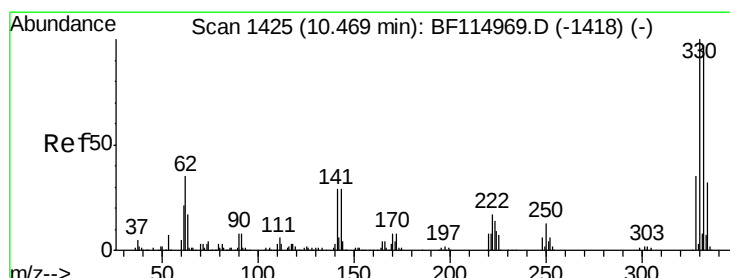
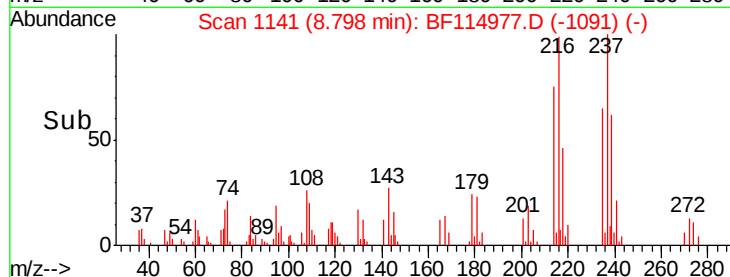
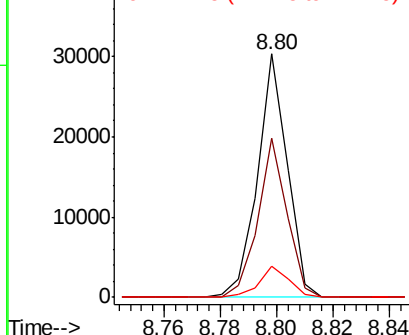
Tot Ion:	237	Resp:	22157
Ion Ratio	Lower	Upper	
237	100		
235	65.4	42.7	82.7
272	12.6	0.0	32.7

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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: 133.626 ng

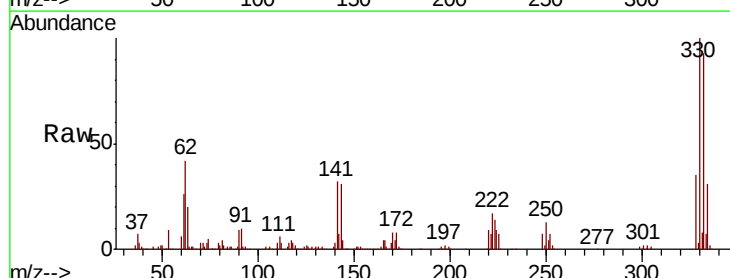
RT: 10.46 min Scan# 1424

Delta R.T. -0.01 min

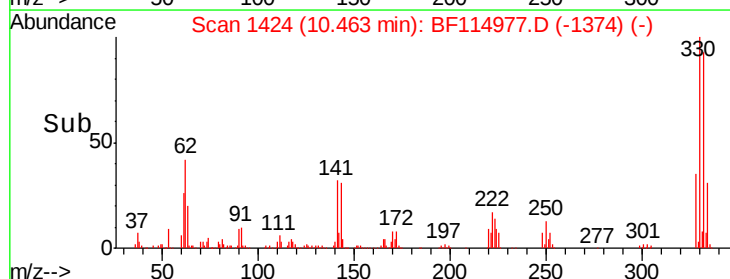
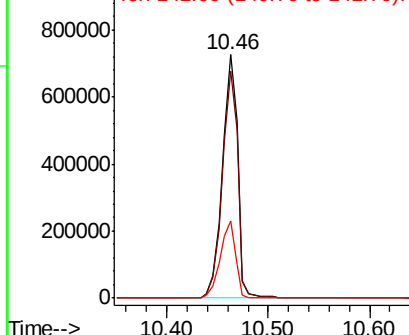
Lab File: BF114977.D

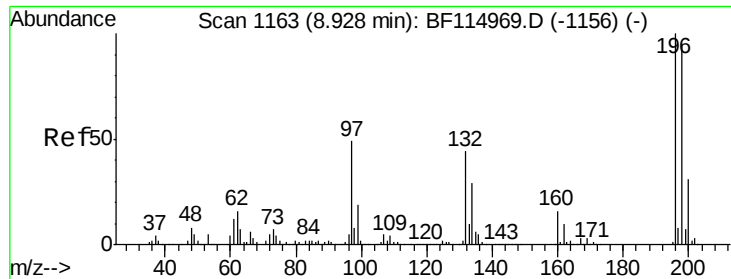
Acq: 12 Jun 2019 16:24

Tgt Ion:	330	Resp:	757763
Ion Ratio	Lower	Upper	
330	100		
332	94.9	77.6	116.4
141	32.0	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





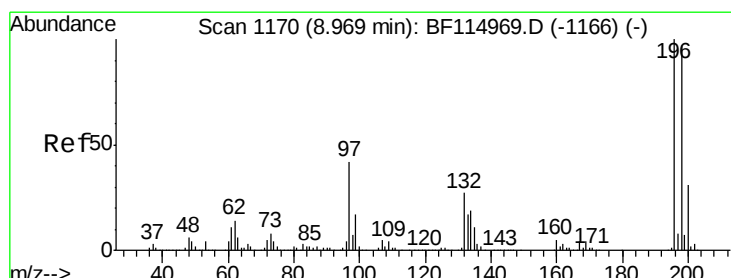
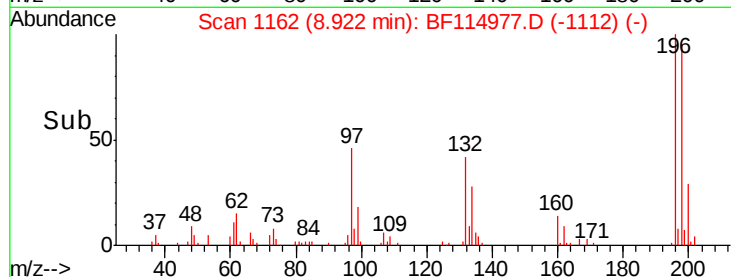
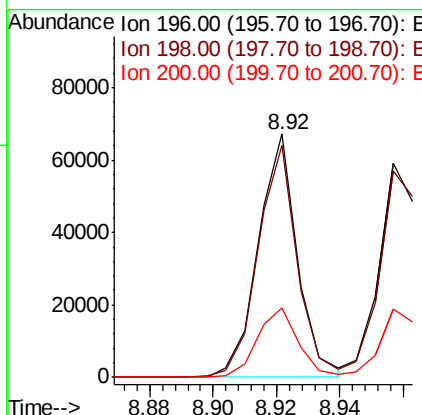
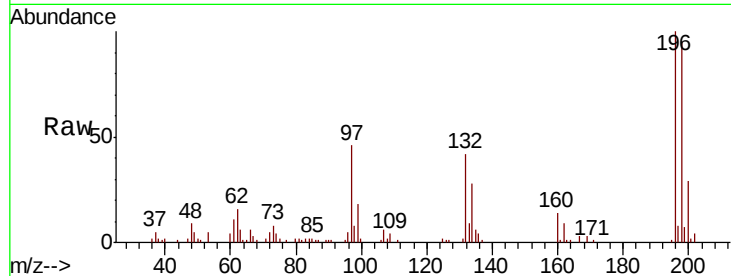
#43
 2,4,6-Trichlorophenol
 Concen: 4.928 ng
 RT: 8.92 min Scan# 1162
 Delta R.T. -0.01 min
 Lab File: BF114977.D
 Acq: 12 Jun 2019 16:24

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2019

Tot Ion	Ratio	Resp	Lower	Upper
196	100	57581		
198	95.1	75.8	113.8	
200	28.8	24.9	37.3	

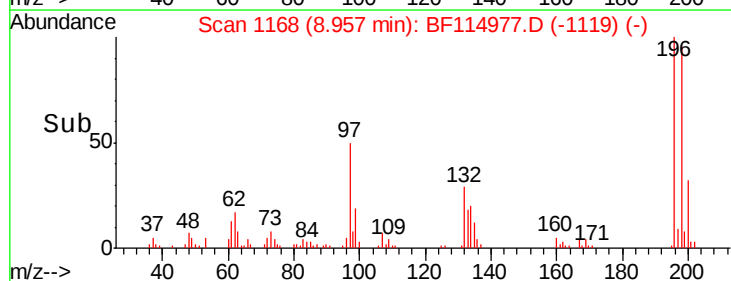
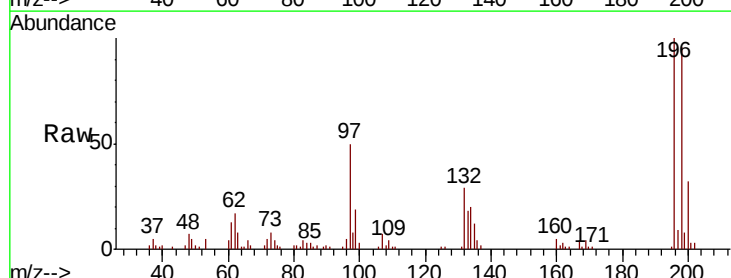
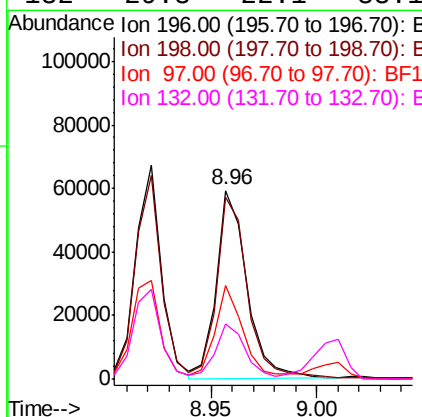
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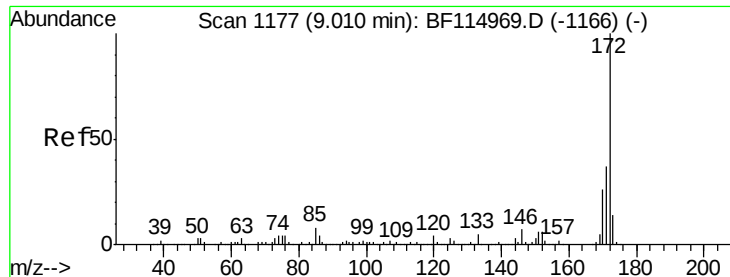
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#44
 2,4,5-Trichlorophenol
 Concen: 5.029 ng
 RT: 8.96 min Scan# 1168
 Delta R.T. -0.01 min
 Lab File: BF114977.D
 Acq: 12 Jun 2019 16:24

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	59390		
198	96.5	77.3	115.9	
97	50.0	34.2	51.4	
132	29.3	22.1	33.1	





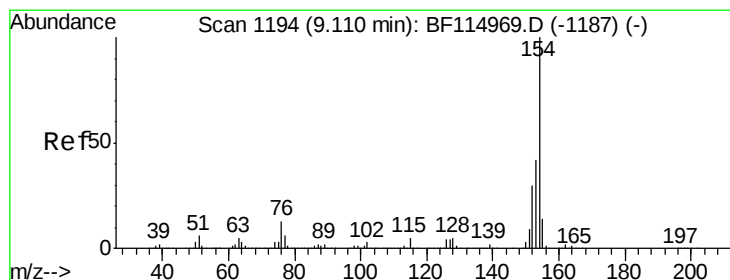
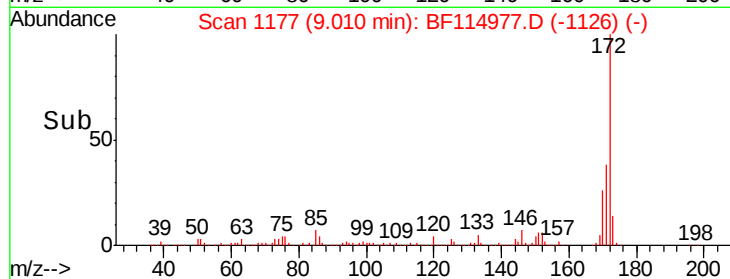
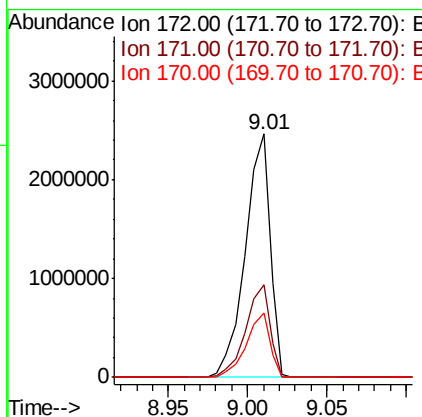
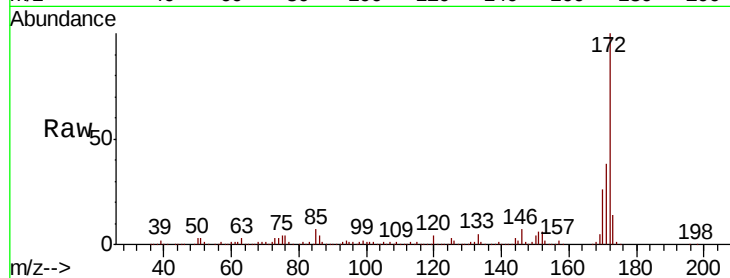
#45
2-Fluorobiphenyl
Concen: 85.785 ng
RT: 9.01 min Scan# 1177
Delta R.T. -0.00 min
Lab File: BF114977.D
Acq: 12 Jun 2019 16:24

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tot Ion:172 Resp: 2680368
Ion Ratio Lower Upper
172 100
171 38.0 29.8 44.6
170 26.3 20.6 31.0

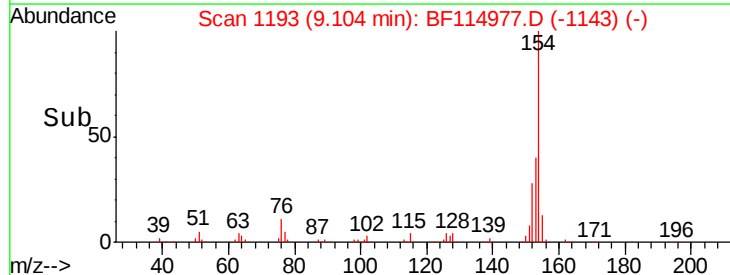
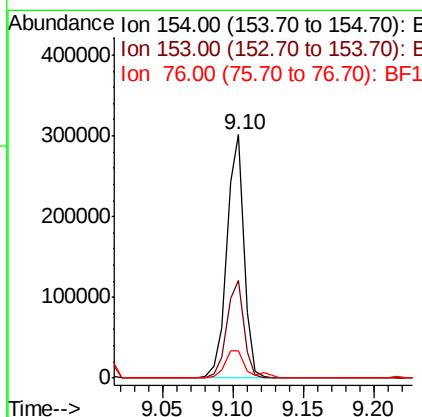
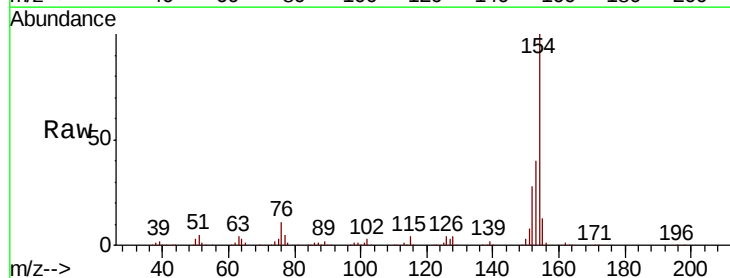
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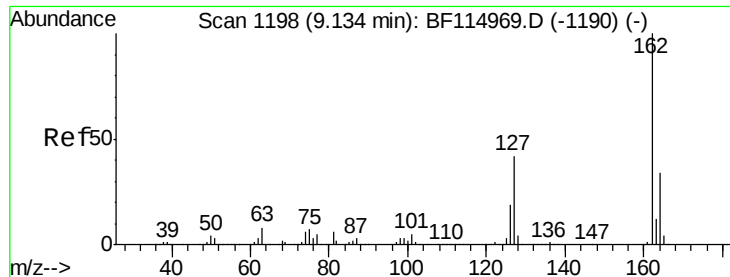
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#46
1,1'-Biphenyl
Concen: 5.977 ng
RT: 9.10 min Scan# 1193
Delta R.T. -0.01 min
Lab File: BF114977.D
Acq: 12 Jun 2019 16:24

Tgt Ion:154 Resp: 253641
Ion Ratio Lower Upper
154 100
153 40.3 22.4 62.4
76 11.2 0.0 33.3





#47

2-Chloronaphthalene

Concen: 5.692 ng

RT: 9.12 min Scan# 1196

Delta R.T. -0.01 min

Lab File: BF114977.D

Acq: 12 Jun 2019 16:24

Instrument :

BNA_F

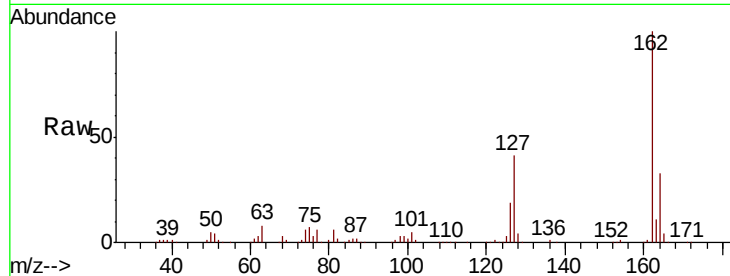
ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

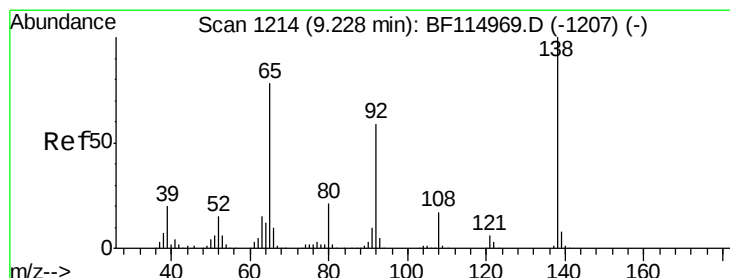
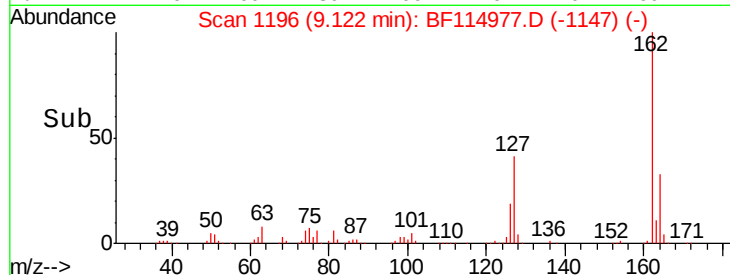
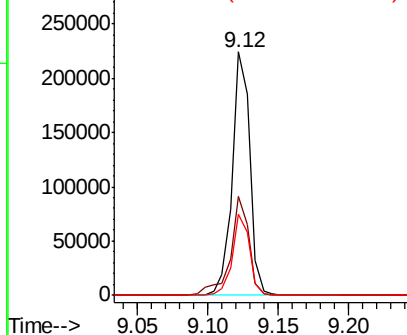
Tot Ion:	162	Resp:	195308
Ion Ratio	Lower	Upper	
162	100		
127	40.5	33.4	50.2
164	33.4	27.2	40.8

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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: 4.813 ng

RT: 9.22 min Scan# 1212

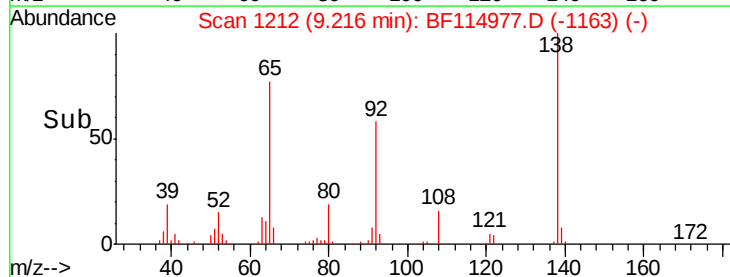
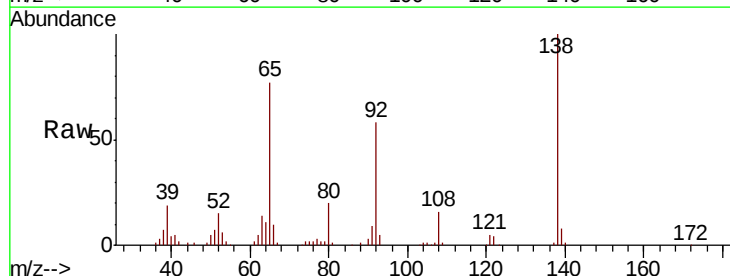
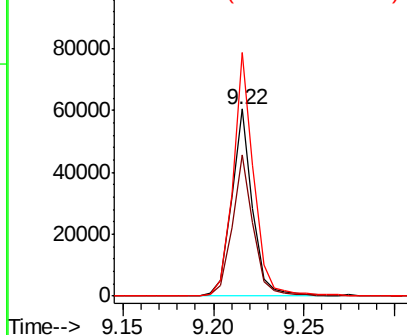
Delta R.T. -0.01 min

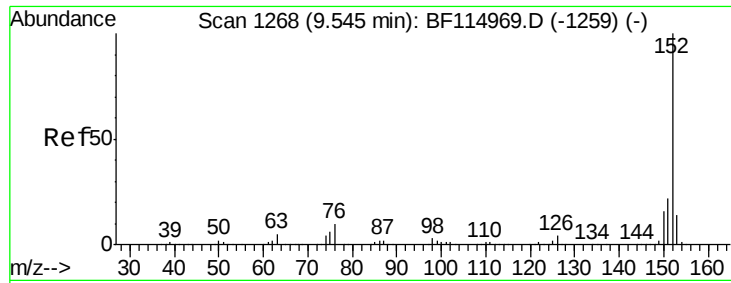
Lab File: BF114977.D

Acq: 12 Jun 2019 16:24

Tgt Ion:	65	Resp:	48812
Ion Ratio	Lower	Upper	
65	100		
92	75.5	60.5	90.7
138	130.1	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: 5.992 ng

RT: 9.53 min Scan# 1266

Delta R.T. -0.01 min

Lab File: BF114977.D

Acq: 12 Jun 2019 16:24

Instrument :

BNA_F

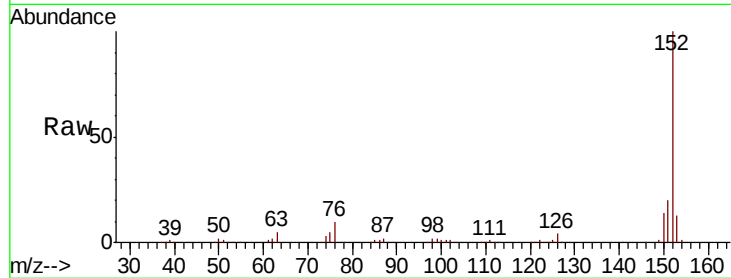
ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

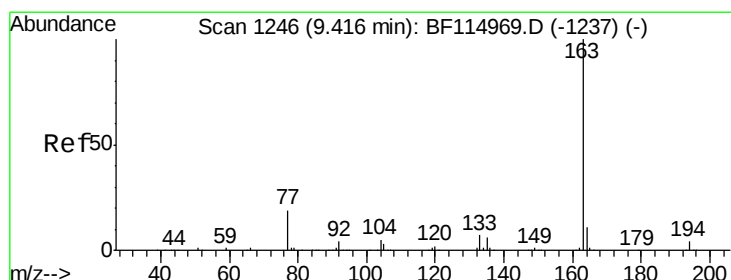
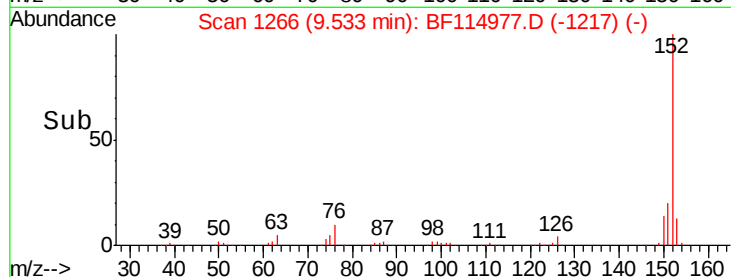
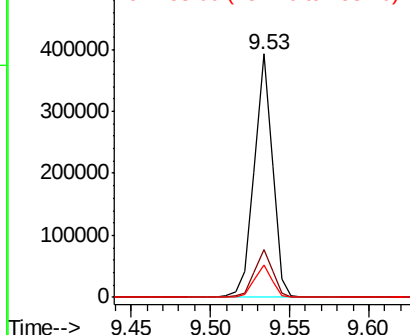
Tot Ion:	152	Resp:	316153
Ion Ratio		Lower	Upper
152	100		
151	19.9	17.5	26.3
153	13.1	11.2	16.8

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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 5.434 ng

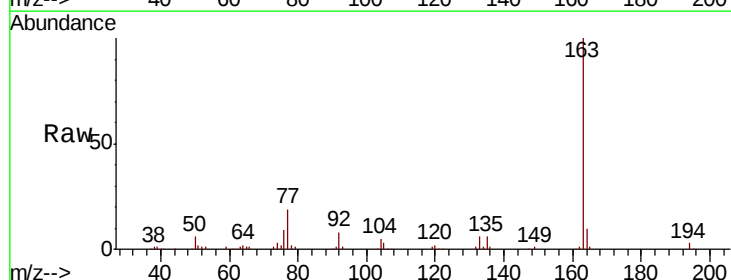
RT: 9.40 min Scan# 1243

Delta R.T. -0.02 min

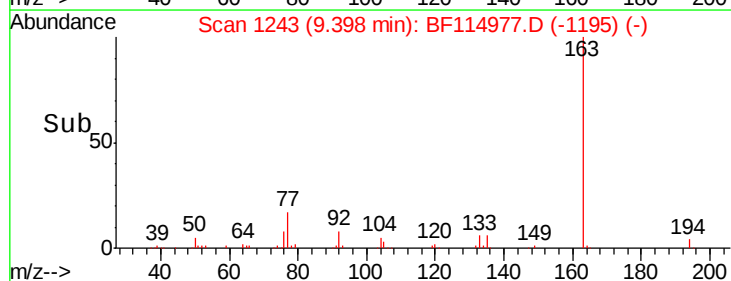
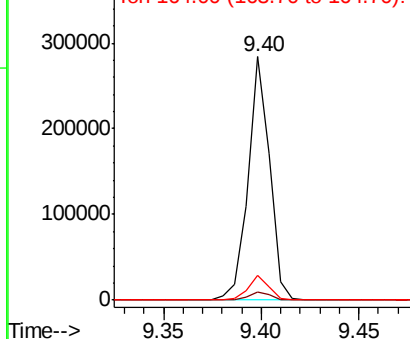
Lab File: BF114977.D

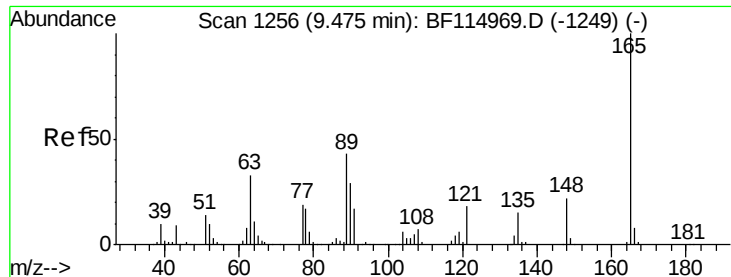
Acq: 12 Jun 2019 16:24

Tgt Ion:	163	Resp:	216401
Ion Ratio		Lower	Upper
163	100		
194	3.4	3.3	4.9
164	10.4	8.6	12.8



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





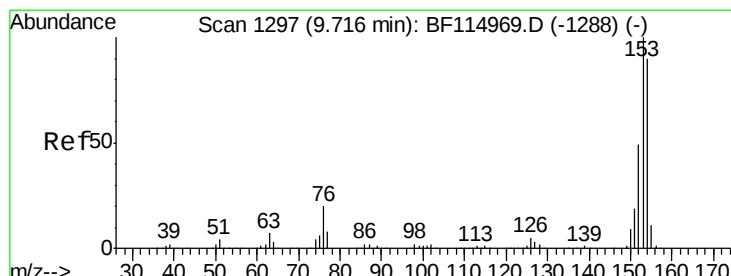
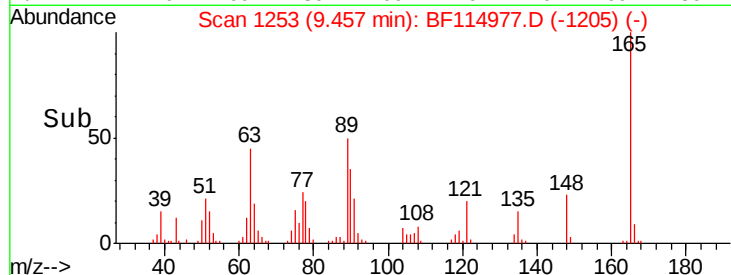
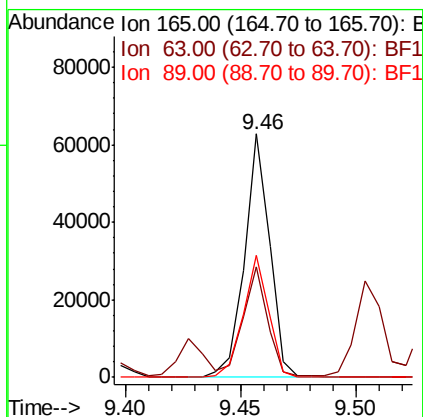
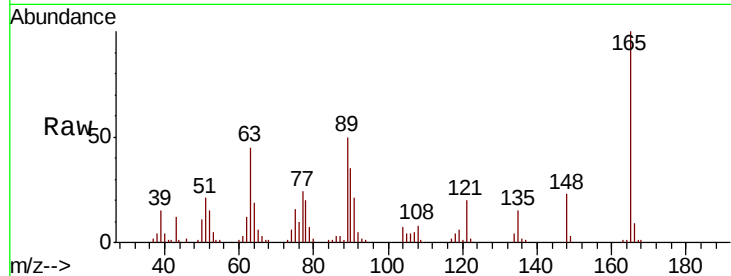
#51
 2,6-Dinitrotoluene
 Concen: 5.298 ng
 RT: 9.46 min Scan# 1253
 Delta R.T. -0.02 min
 Lab File: BF114977.D
 Acq: 12 Jun 2019 16:24

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2019

Tot Ion:	165	Resp:	47859
Ion Ratio	Lower	Upper	
165	100		
63	45.4	30.6	46.0
89	50.1	34.4	51.6

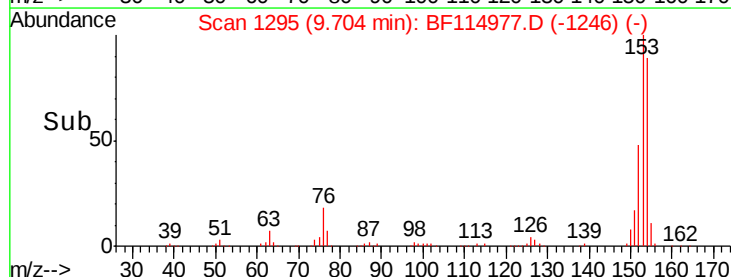
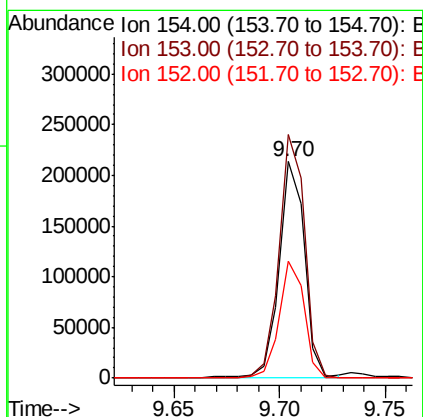
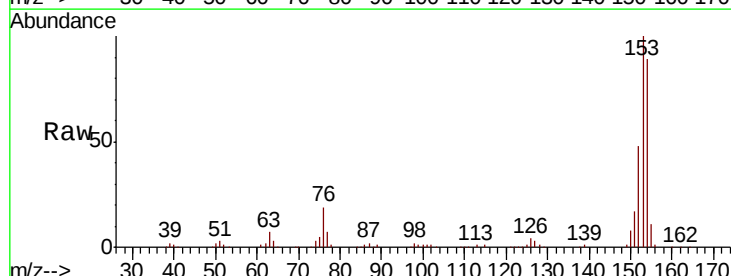
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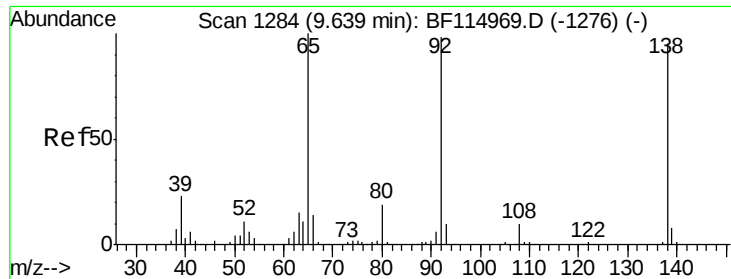
mohammad
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#52
 Acenaphthene
 Concen: 5.955 ng
 RT: 9.70 min Scan# 1295
 Delta R.T. -0.01 min
 Lab File: BF114977.D
 Acq: 12 Jun 2019 16:24

Tgt Ion:	154	Resp:	179764
Ion Ratio	Lower	Upper	
154	100		
153	112.5	88.5	132.7
152	53.9	43.6	65.4





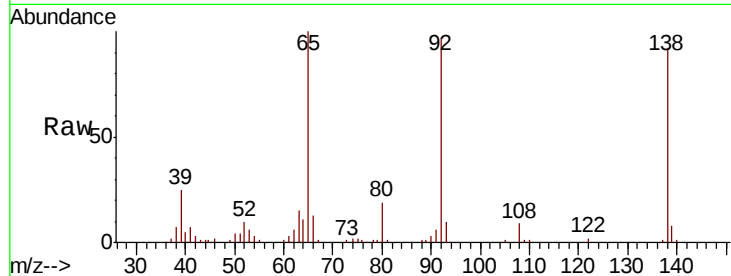
#53
3-Nitroaniline
Concen: 4.805 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.02 min
Lab File: BF114977.D
Acq: 12 Jun 2019 16:24

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tot Ion	Ratio	Lower	Upper
138	100		
108	9.9	8.0	12.0
92	105.0	82.4	123.6

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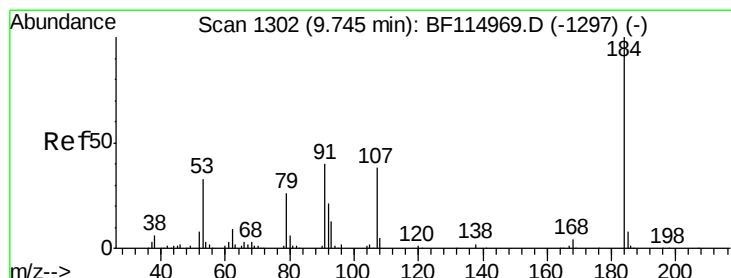
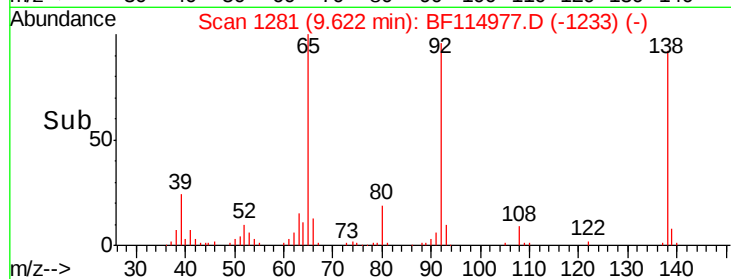
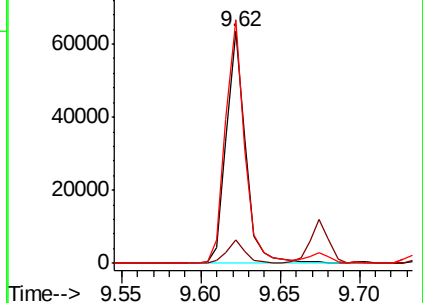


Abundance

Ion 138.00 (137.70 to 138.70): E

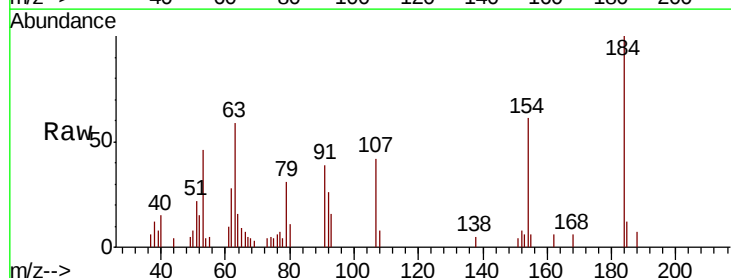
Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1



#54
2,4-Dinitrophenol
Concen: 2.366 ng
RT: 9.73 min Scan# 1300
Delta R.T. -0.01 min
Lab File: BF114977.D
Acq: 12 Jun 2019 16:24

Tgt Ion	Ratio	Lower	Upper
184	100		
63	58.6	40.5	60.7
154	61.4	44.8	67.2

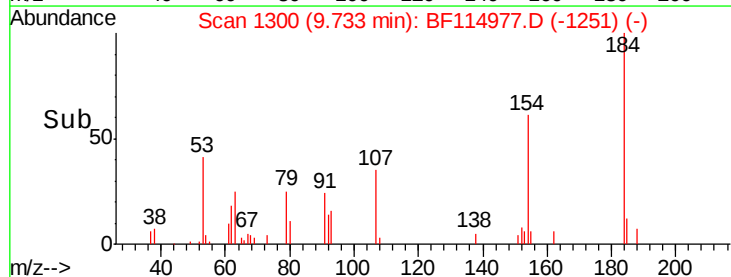
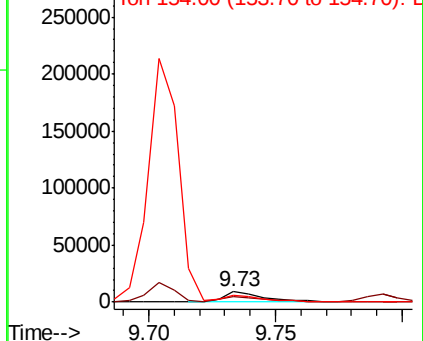


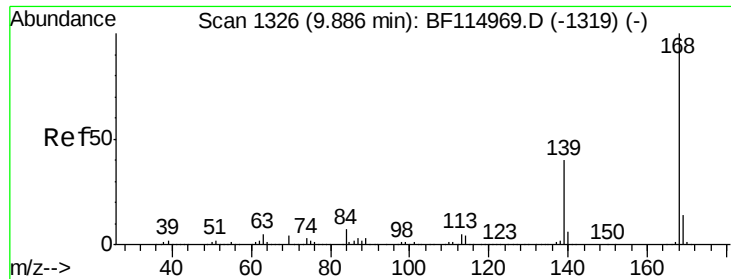
Abundance

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





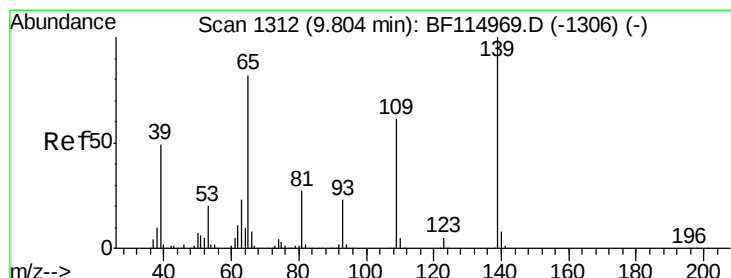
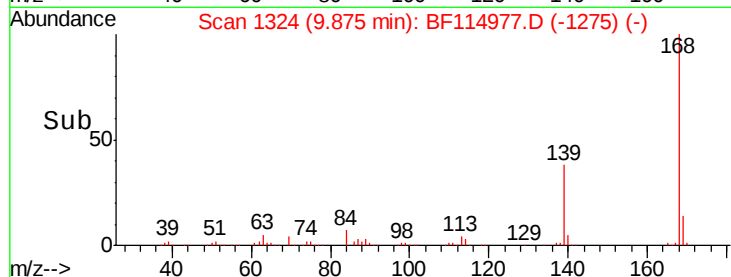
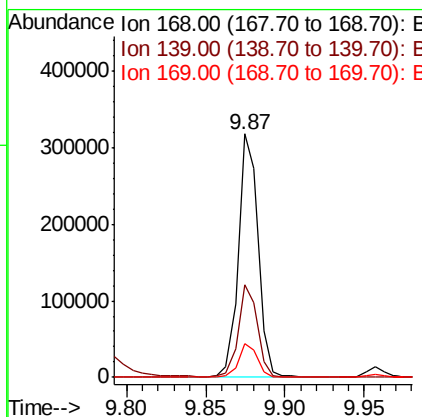
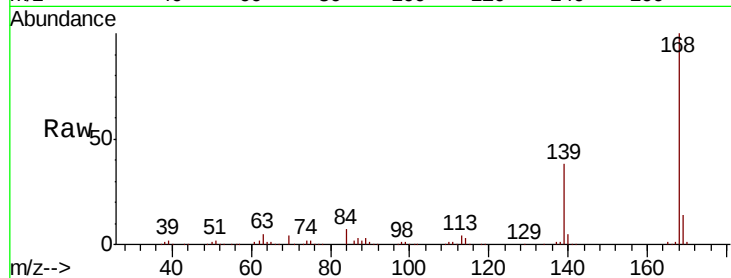
#55
Dibenzenofuran
Concen: 6.028 ng
RT: 9.87 min Scan# 1324
Delta R.T. -0.01 min
Lab File: BF114977.D
Acq: 12 Jun 2019 16:24

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tot Ion:	168	Resp:	274231
Ion Ratio	Lower	Upper	
168	100		
139	38.1	32.5	48.7
169	14.0	11.5	17.3

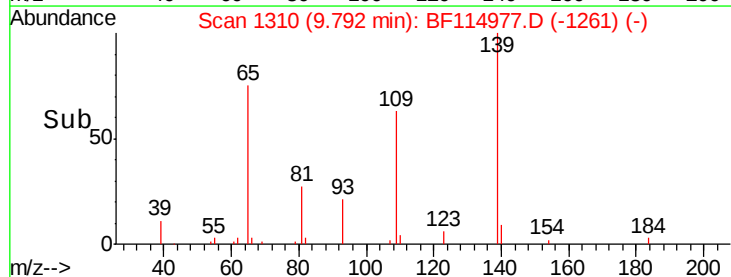
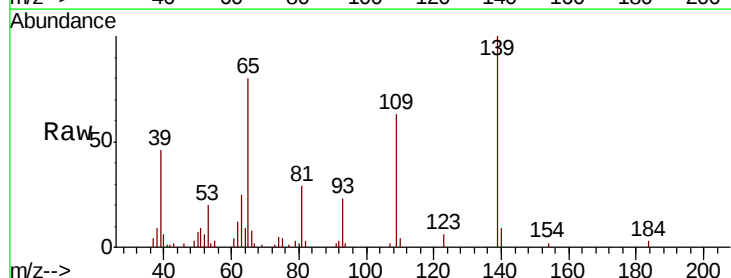
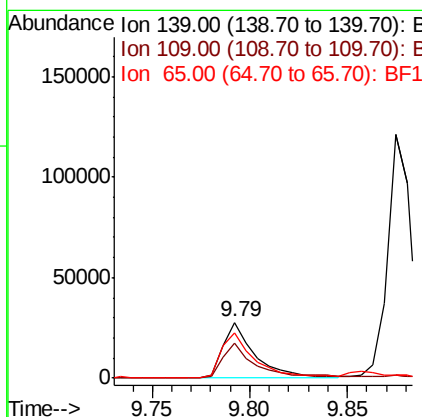
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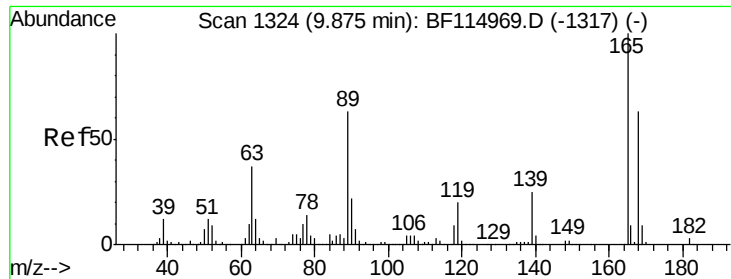
mohammad
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#56
4-Nitrophenol
Concen: 4.168 ng
RT: 9.79 min Scan# 1310
Delta R.T. -0.01 min
Lab File: BF114977.D
Acq: 12 Jun 2019 16:24

Tgt Ion:	139	Resp:	31815
Ion Ratio	Lower	Upper	
139	100		
109	62.6	41.4	81.4
65	80.2	62.7	102.7





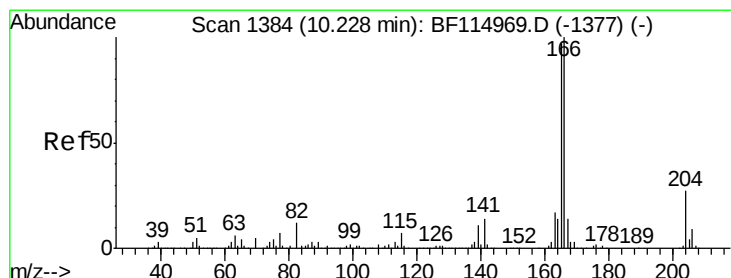
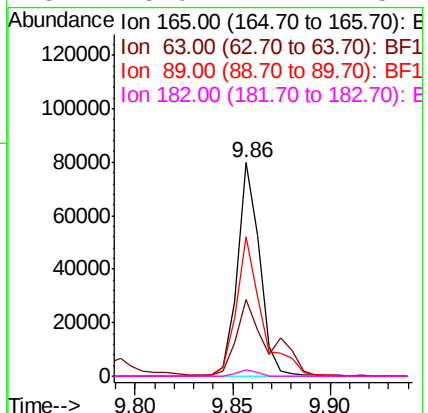
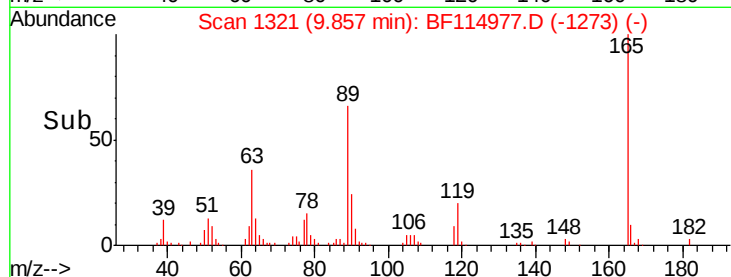
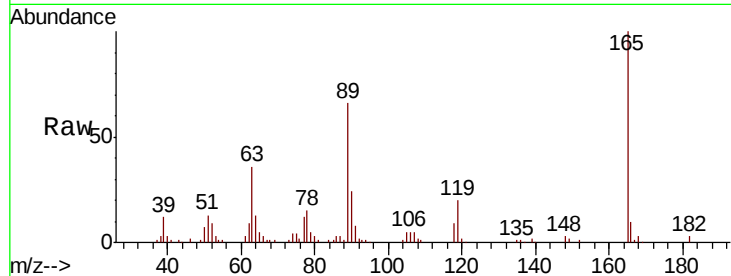
#57
 2,4-Dinitrotoluene
 Concen: 5.490 ng
 RT: 9.86 min Scan# 1321
 Delta R.T. -0.02 min
 Lab File: BF114977.D
 Acq: 12 Jun 2019 16:24

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2019

Tot Ion	Ratio	Resp Lower	Upper
165	100		
63	36.1	29.4	44.2
89	65.6	50.6	75.8
182	3.0	2.2	3.2

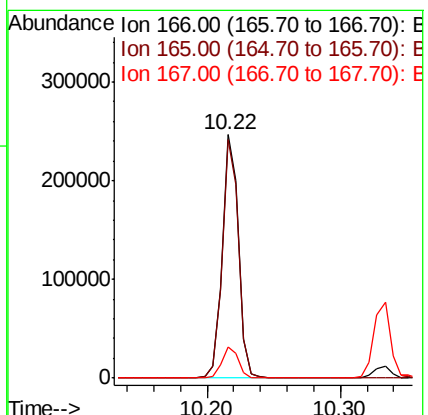
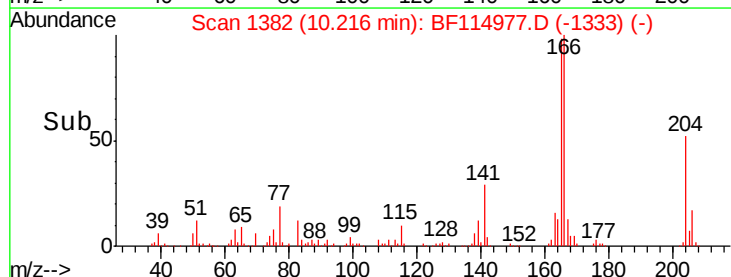
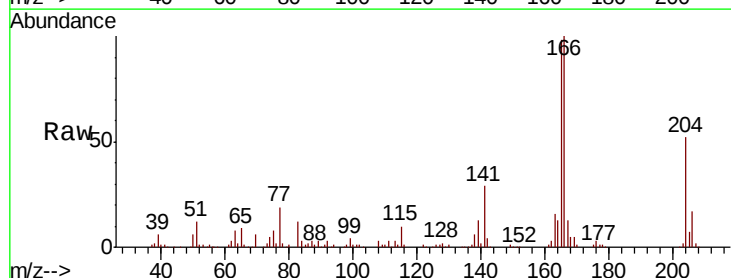
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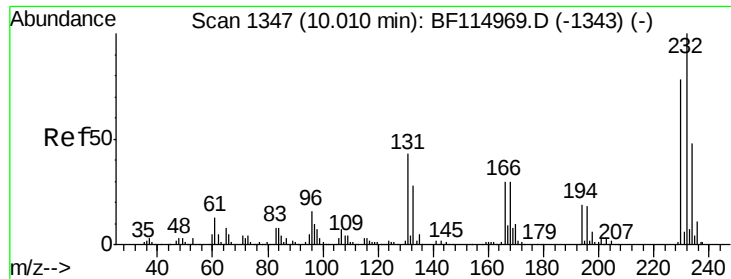
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#58
 Fluorene
 Concen: 6.358 ng
 RT: 10.22 min Scan# 1382
 Delta R.T. -0.01 min
 Lab File: BF114977.D
 Acq: 12 Jun 2019 16:24

Tgt Ion	Ratio	Resp Lower	Upper
166	100		
165	98.1	77.6	116.4
167	12.9	11.0	16.4





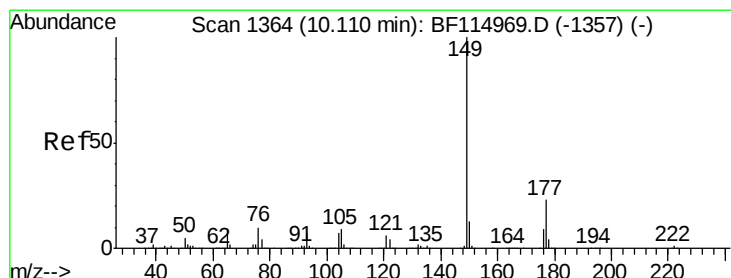
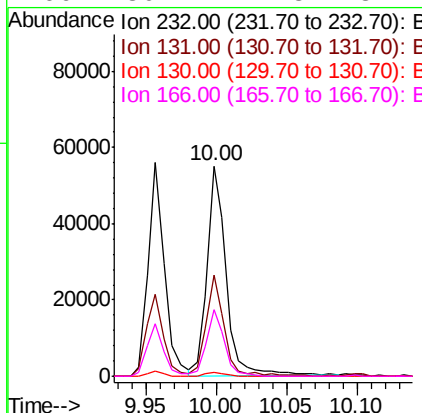
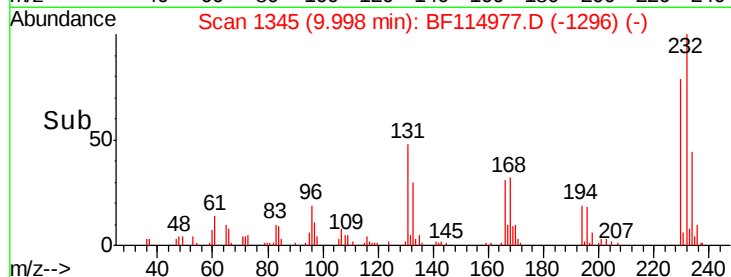
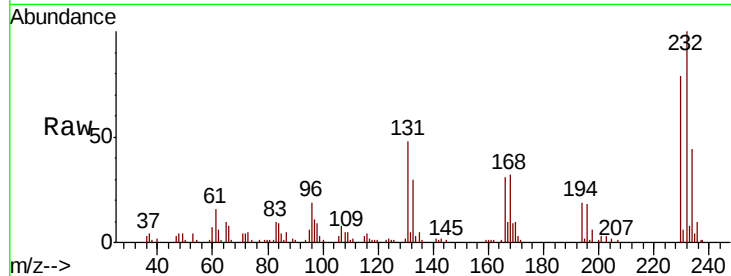
#59
2,3,4,6-Tetrachlorophenol
Concen: 5.340 ng
RT: 10.00 min Scan# 1345
Delta R.T. -0.01 min
Lab File: BF114977.D
Acq: 12 Jun 2019 16:24

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tot Ion	Ratio	Lower	Upper
232	100		
131	46.7	36.9	55.3
130	1.9	1.8	2.6
166	30.1	24.8	37.2

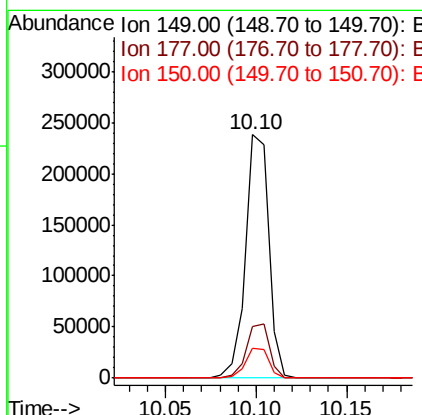
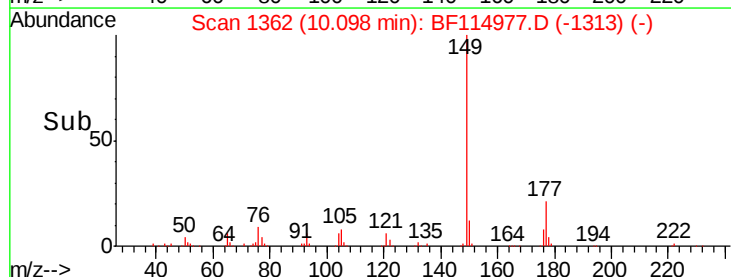
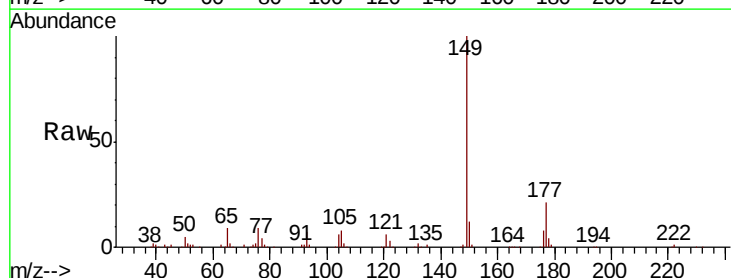
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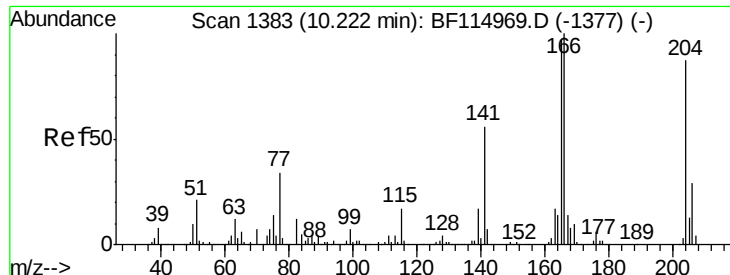
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#60
Diethylphthalate
Concen: 5.589 ng
RT: 10.10 min Scan# 1362
Delta R.T. -0.01 min
Lab File: BF114977.D
Acq: 12 Jun 2019 16:24

Tgt Ion	Ratio	Lower	Upper
149	100		
177	21.2	18.6	27.8
150	12.2	10.5	15.7





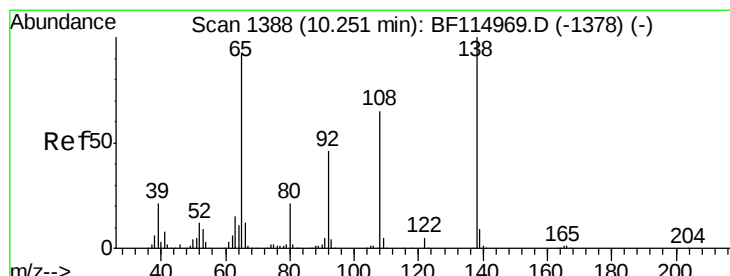
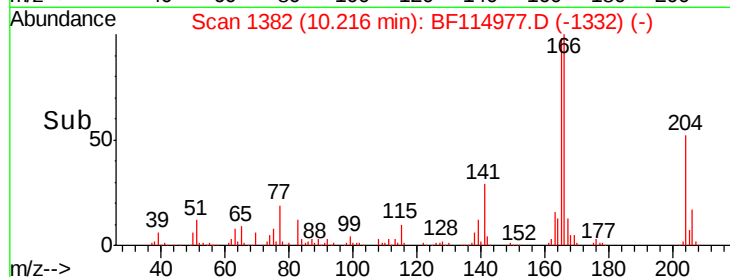
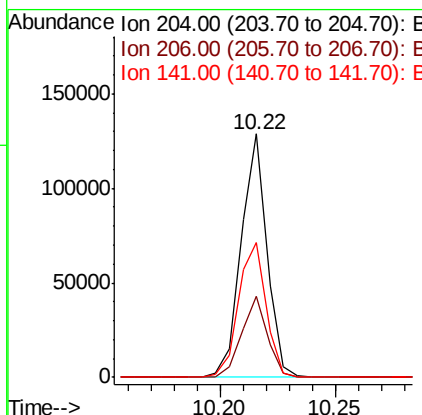
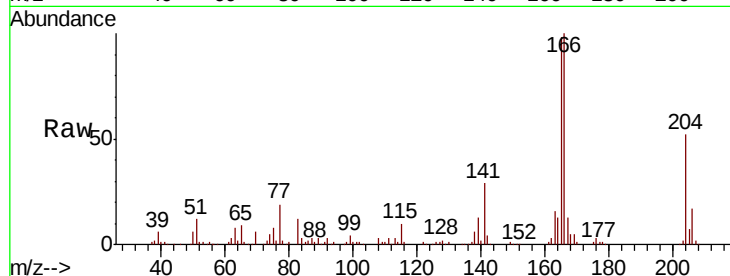
#61
 4-Chlorophenyl-phenylether
 Concen: 6.115 ng
 RT: 10.22 min Scan# 1382
 Delta R.T. -0.01 min
 Lab File: BF114977.D
 Acq: 12 Jun 2019 16:24

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2019

Tot Ion	Ratio	Lower	Upper
204	100		
206	33.3	26.5	39.7
141	55.3	51.8	77.8

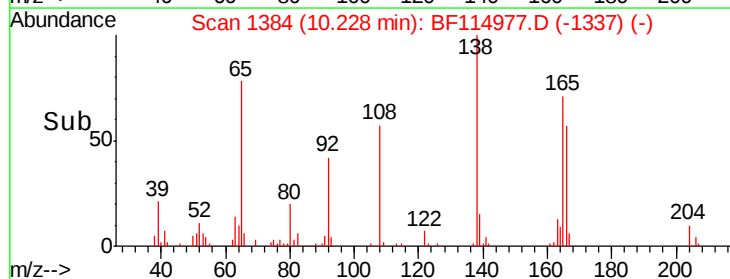
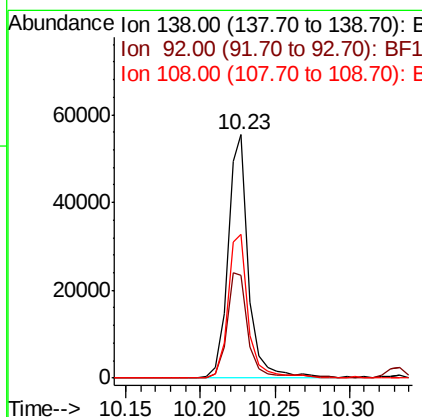
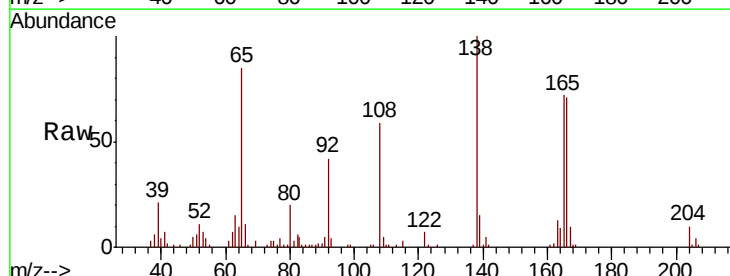
Manual Integrations
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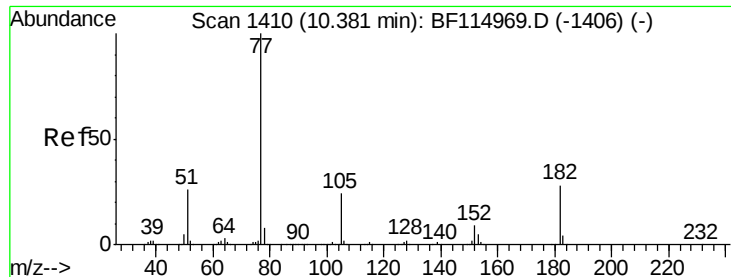
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#62
 4-Nitroaniline
 Concen: 4.848 ng
 RT: 10.23 min Scan# 1384
 Delta R.T. -0.02 min
 Lab File: BF114977.D
 Acq: 12 Jun 2019 16:24

Tgt Ion	Ratio	Lower	Upper
138	100		
92	42.1	25.7	65.7
108	59.1	44.6	84.6





#63

Azobenzene

Concen: 5.823 ng

RT: 10.37 min Scan# 1409

Delta R.T. -0.01 min

Lab File: BF114977.D

Acq: 12 Jun 2019 16:24

Instrument :

BNA_F

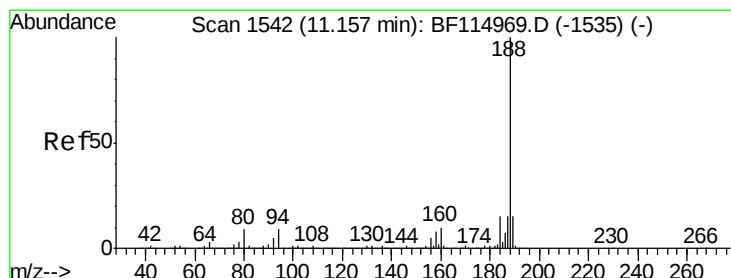
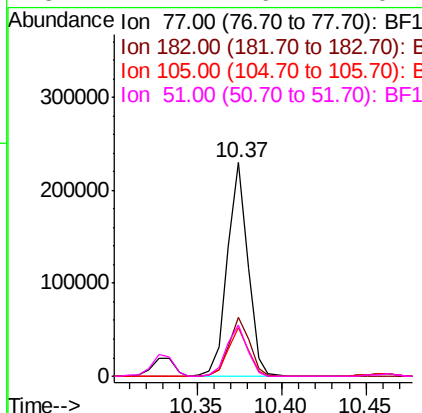
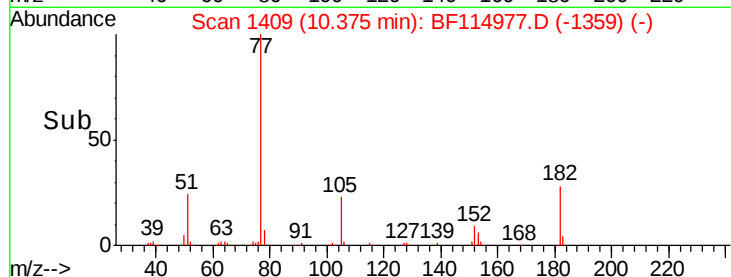
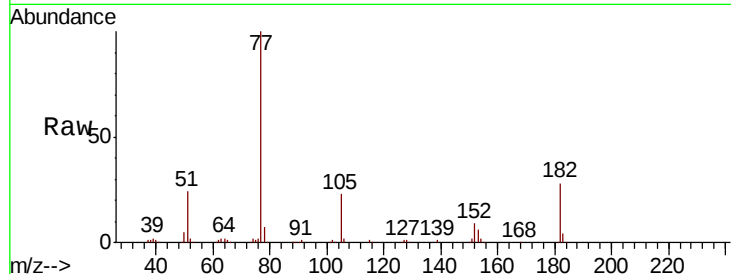
ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

Tot Ion	Ion	Ratio	Resp	Lower	Upper
77	100		193980		
182	27.6	7.4	47.4		
105	23.0	4.2	44.2		
51	24.1	6.2	46.2		

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#64

Phenanthrene-d10

Concen: 20.000 ng

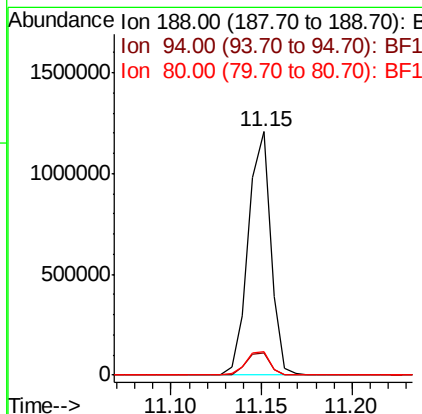
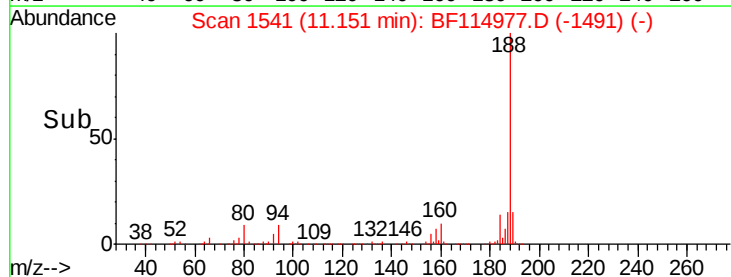
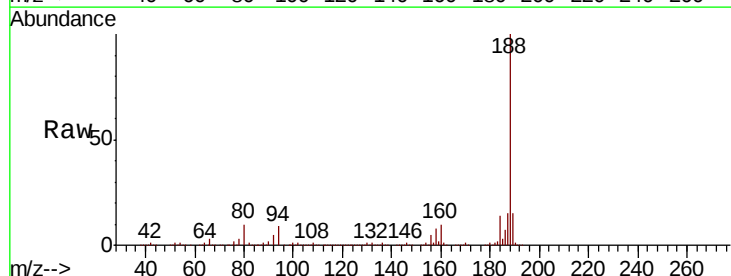
RT: 11.15 min Scan# 1541

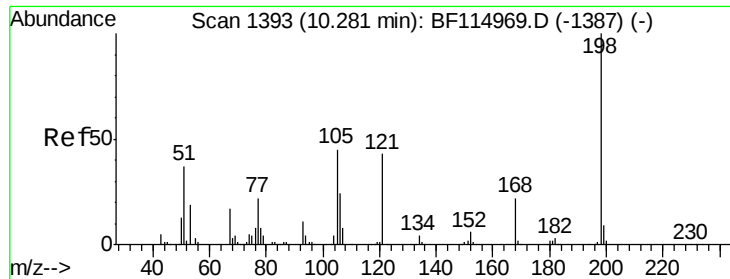
Delta R.T. -0.01 min

Lab File: BF114977.D

Acq: 12 Jun 2019 16:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100		1049307		
94	9.2	7.2	10.8		
80	9.5	7.4	11.2		





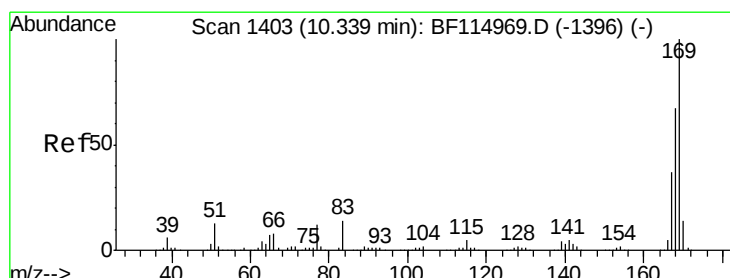
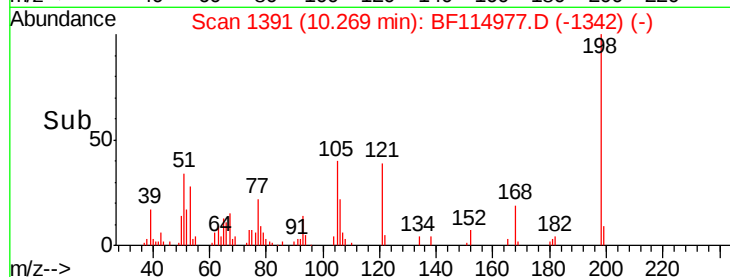
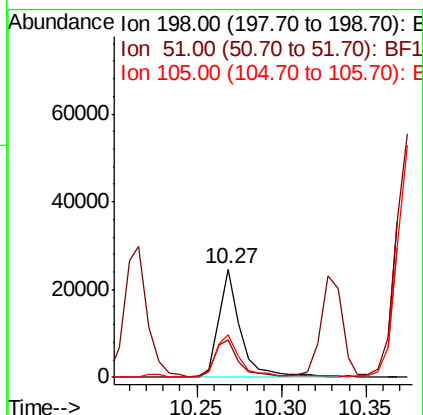
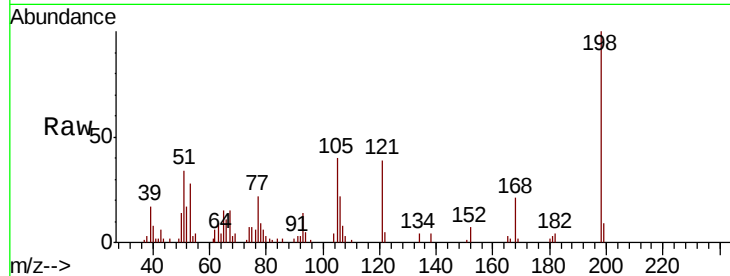
#65
4,6-Dinitro-2-methylphenol
Concen: 3.810 ng
RT: 10.27 min Scan# 1391
Delta R.T. -0.01 min
Lab File: BF114977.D
Acq: 12 Jun 2019 16:24

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tot Ion	Ratio	Lower	Upper
198	100		
51	34.2	23.0	63.0
105	39.7	26.5	66.5

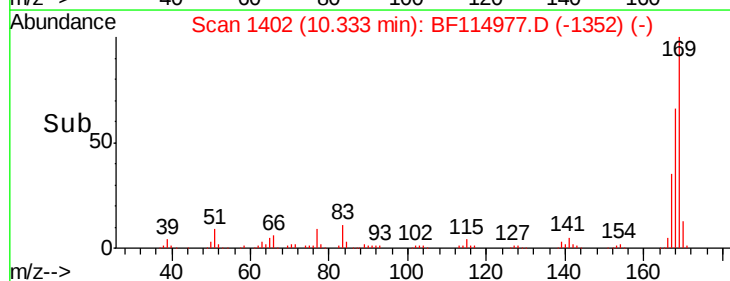
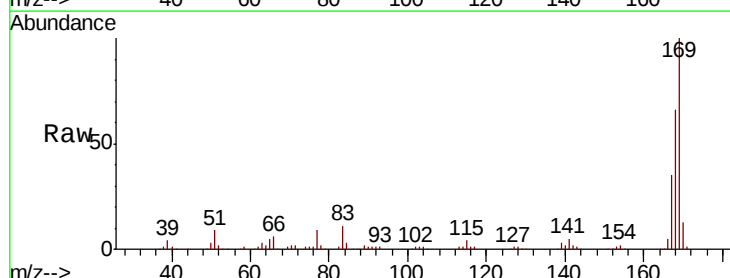
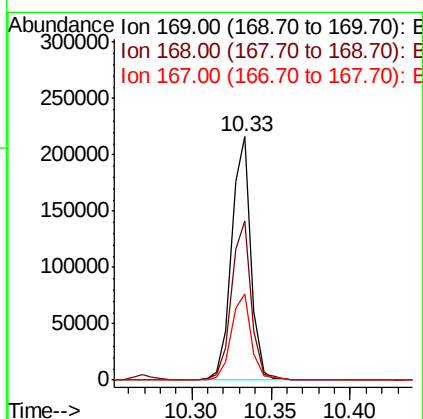
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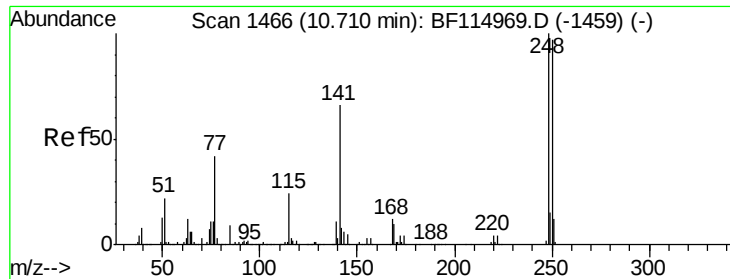
mohammad
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#66
n-Nitrosodiphenylamine
Concen: 5.812 ng
RT: 10.33 min Scan# 1402
Delta R.T. -0.01 min
Lab File: BF114977.D
Acq: 12 Jun 2019 16:24

Tgt Ion	Ratio	Lower	Upper
169	100		
168	65.6	53.6	80.4
167	35.4	29.6	44.4





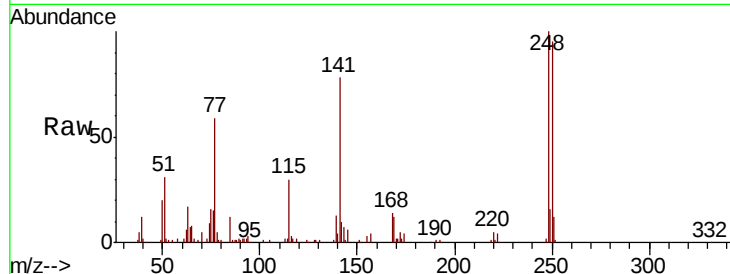
#67
4-Bromophenyl-phenylether
Concen: 5.392 ng
RT: 10.70 min Scan# 1464
Delta R.T. -0.01 min
Lab File: BF114977.D
Acq: 12 Jun 2019 16:24

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tot Ion	Ratio	Lower	Upper
248	100		
250	95.4	77.8	116.8
141	78.3	53.1	79.7

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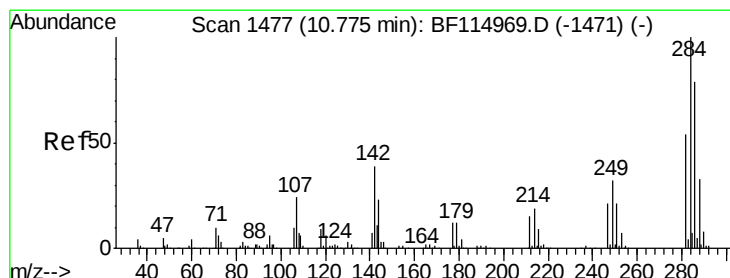
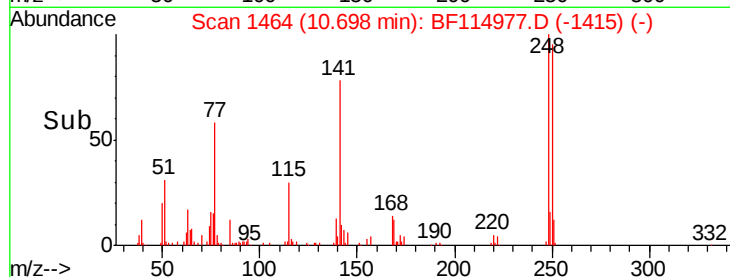
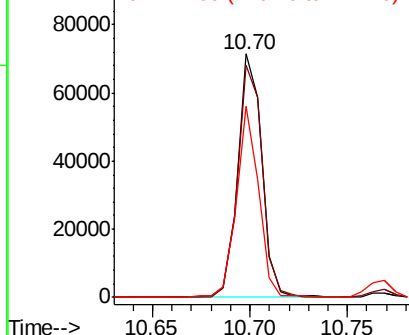


Abundance

Ion 248.00 (247.70 to 248.70): E

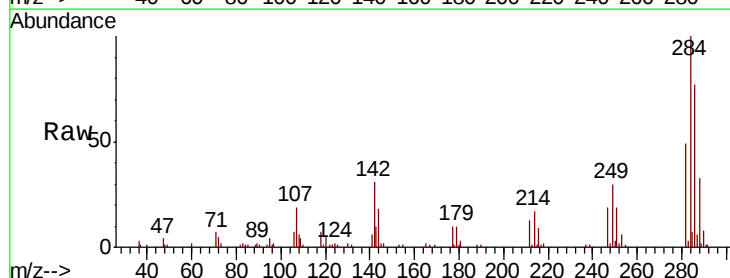
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#68
Hexachlorobenzene
Concen: 5.431 ng
RT: 10.77 min Scan# 1476
Delta R.T. -0.01 min
Lab File: BF114977.D
Acq: 12 Jun 2019 16:24

Tgt Ion	Ratio	Lower	Upper
284	100		
142	31.1	31.5	47.3#
249	30.0	25.6	38.4

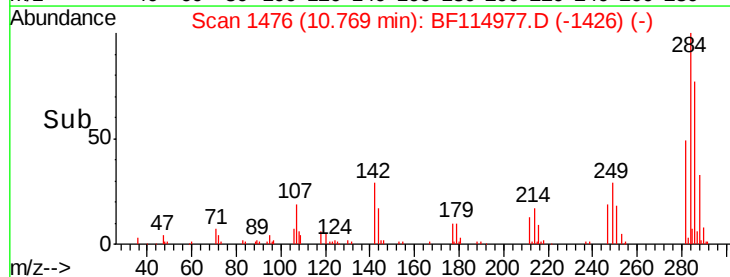
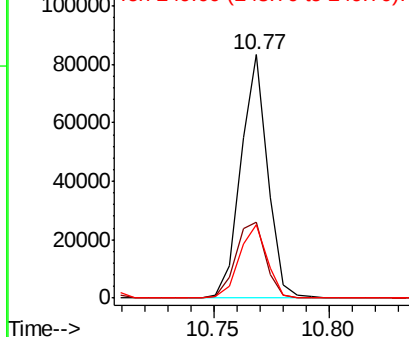


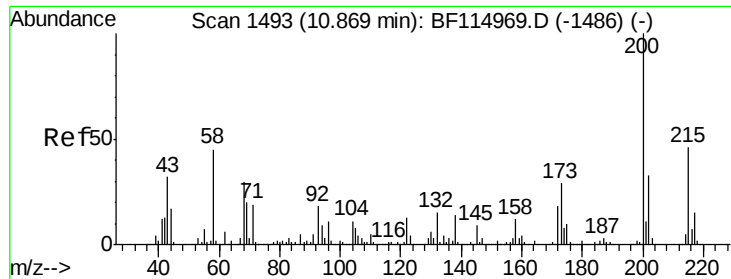
Abundance

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





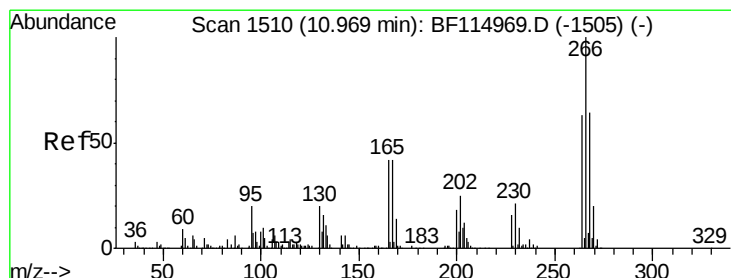
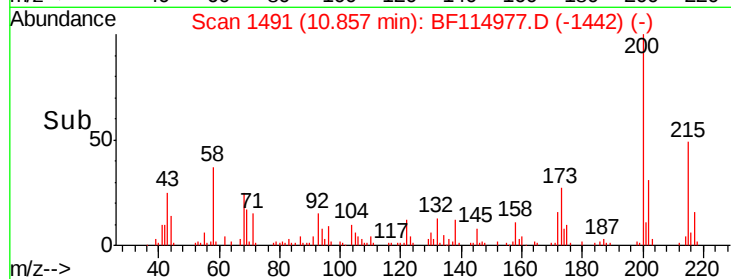
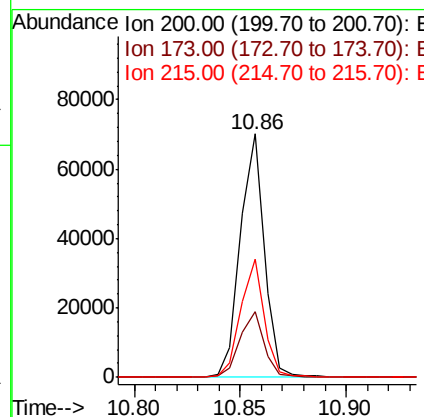
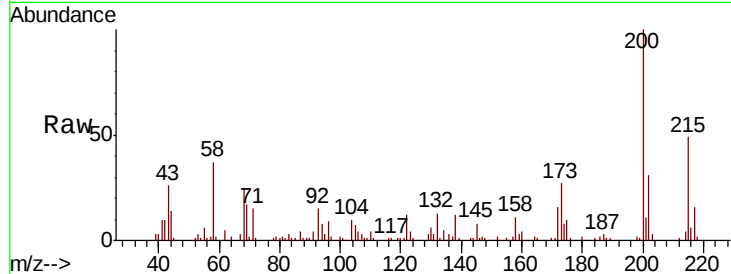
#69
Atrazine
Concen: 5.439 ng
RT: 10.86 min Scan# 1491
Delta R.T. -0.01 min
Lab File: BF114977.D
Acq: 12 Jun 2019 16:24

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tot Ion	Ratio	Lower	Upper
200	100		
173	26.8	9.0	49.0
215	48.7	26.5	66.5

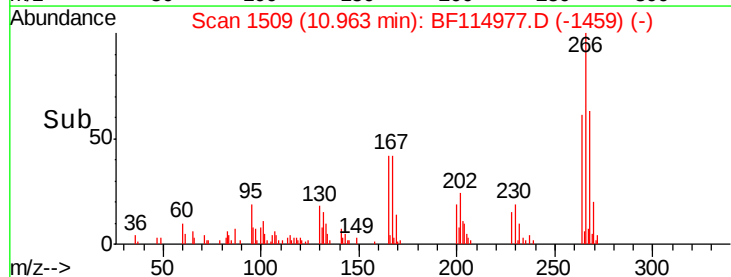
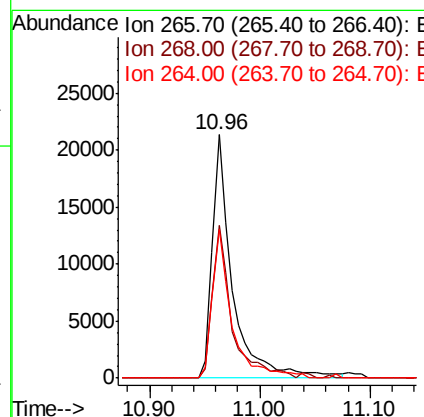
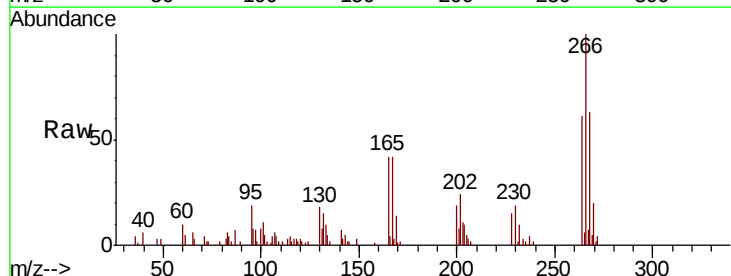
Manual Integrations
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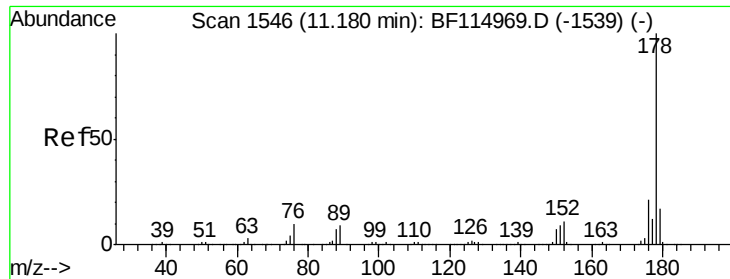
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#70
Pentachlorophenol
Concen: 3.939 ng
RT: 10.96 min Scan# 1509
Delta R.T. -0.01 min
Lab File: BF114977.D
Acq: 12 Jun 2019 16:24

Tgt Ion	Ratio	Lower	Upper
266	100		
268	62.7	51.4	77.2
264	60.9	50.3	75.5





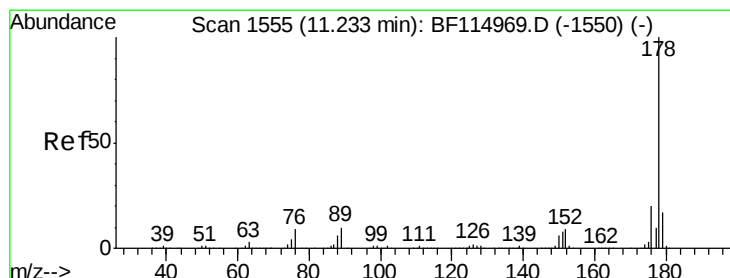
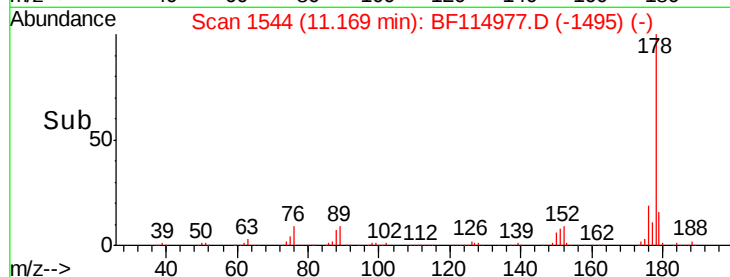
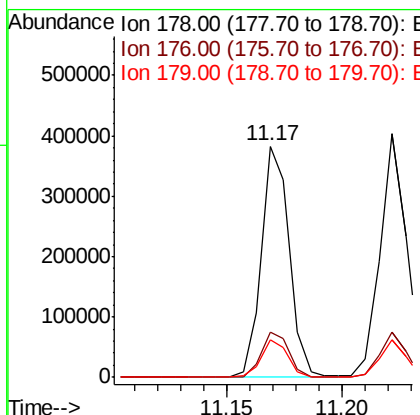
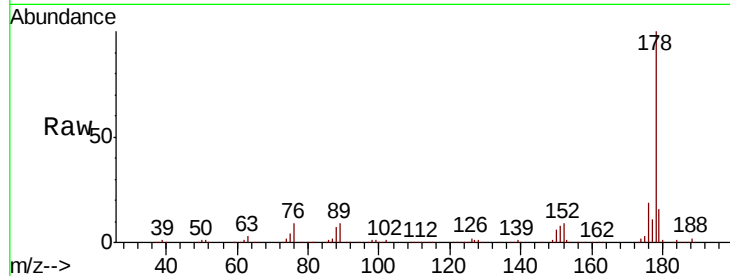
#71
Phenanthrene
Concen: 5.974 ng
RT: 11.17 min Scan# 1544
Delta R.T. -0.01 min
Lab File: BF114977.D
Acq: 12 Jun 2019 16:24

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.5	16.9	25.3
179	16.1	13.4	20.0

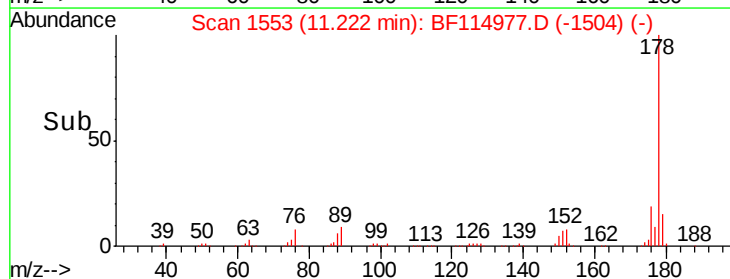
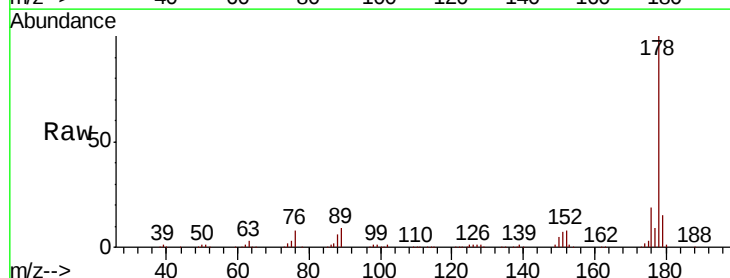
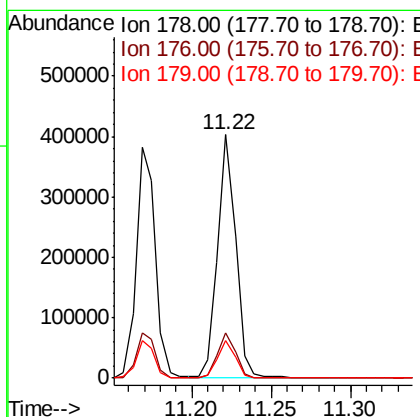
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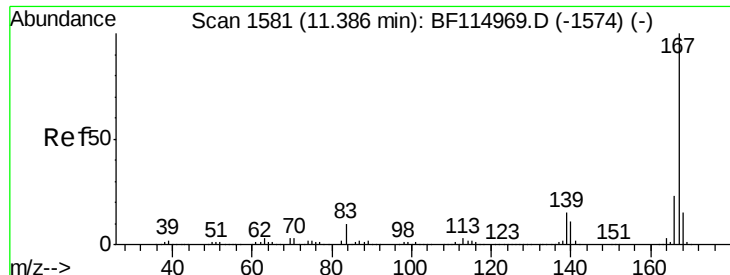
mohammad
6/14/2019 8:46:27 AM



#72
Anthracene
Concen: 5.913 ng
RT: 11.22 min Scan# 1553
Delta R.T. -0.01 min
Lab File: BF114977.D
Acq: 12 Jun 2019 16:24

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.6	16.2	24.4
179	15.5	13.2	19.8





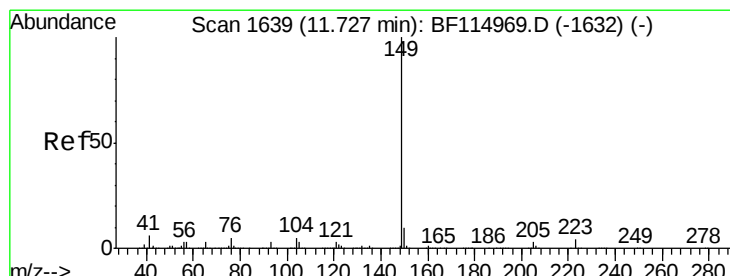
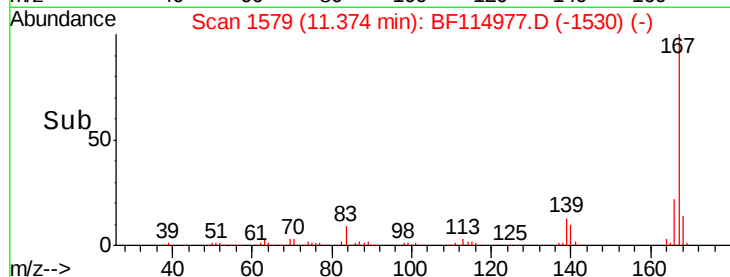
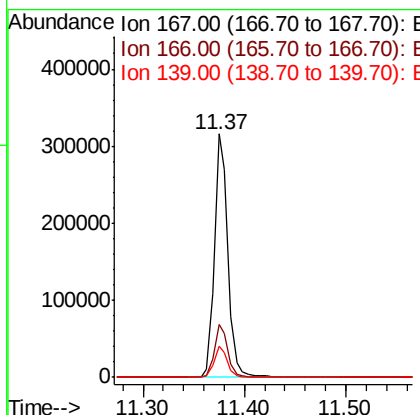
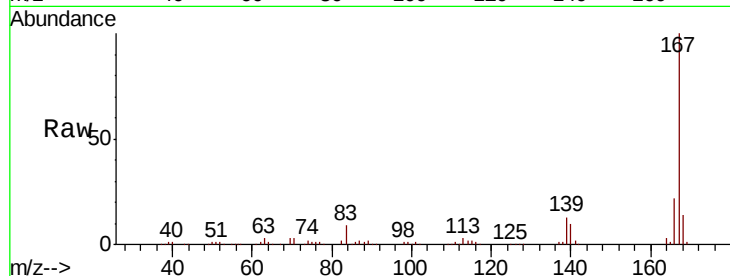
#73
 Carbazole
 Concen: 6.106 ng
 RT: 11.37 min Scan# 1579
 Delta R.T. -0.01 min
 Lab File: BF114977.D
 Acq: 12 Jun 2019 16:24

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2019

Tot Ion	Ratio	Lower	Upper
167	100		
166	21.6	18.5	27.7
139	13.0	12.0	18.0

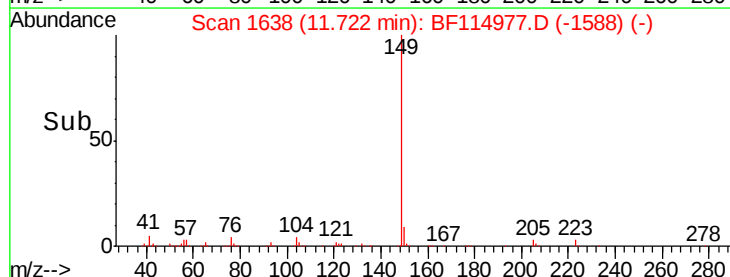
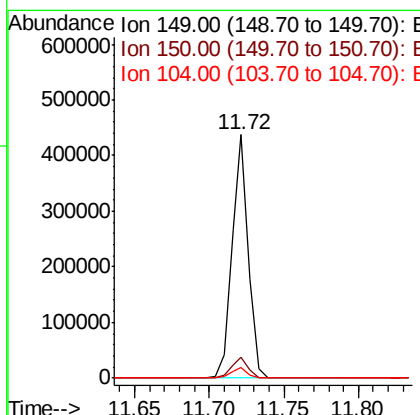
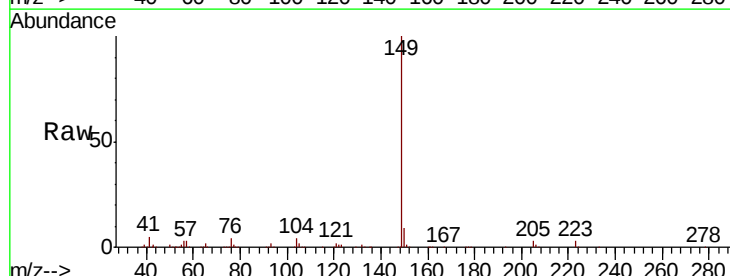
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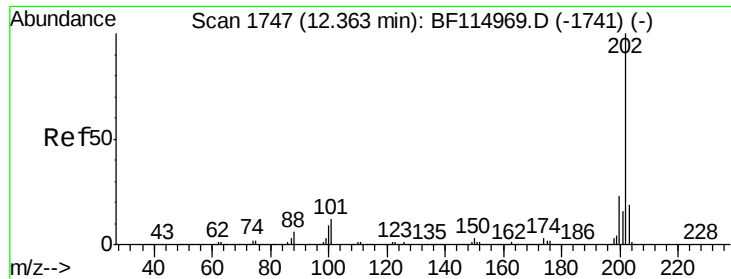
mohammad
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#74
 Di-n-butylphthalate
 Concen: 5.565 ng
 RT: 11.72 min Scan# 1638
 Delta R.T. -0.01 min
 Lab File: BF114977.D
 Acq: 12 Jun 2019 16:24

Tgt Ion	Ratio	Lower	Upper
149	100		
150	8.8	8.1	12.1
104	4.1	4.0	6.0





#75

Fluoranthene

Concen: 5.957 ng

RT: 12.35 min Scan# 1745

Delta R.T. -0.01 min

Lab File: BF114977.D

Acq: 12 Jun 2019 16:24

Instrument :

BNA_F

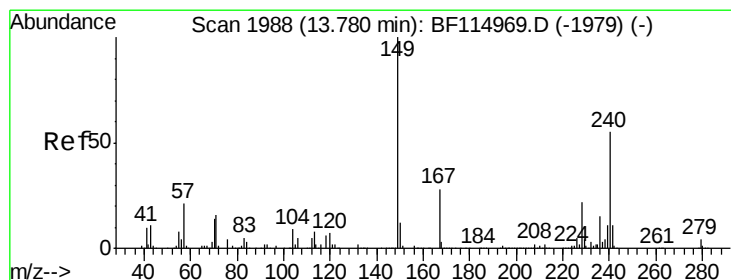
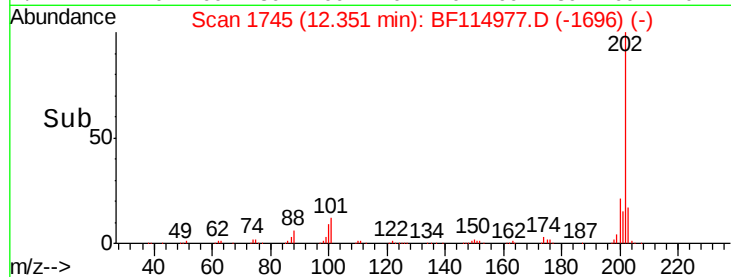
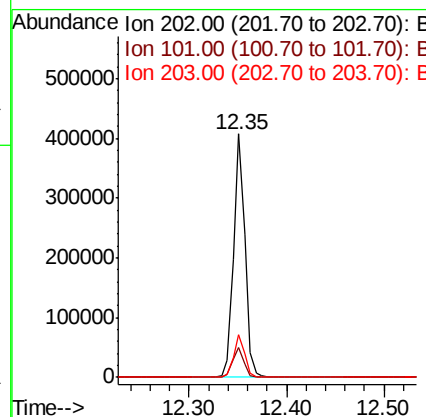
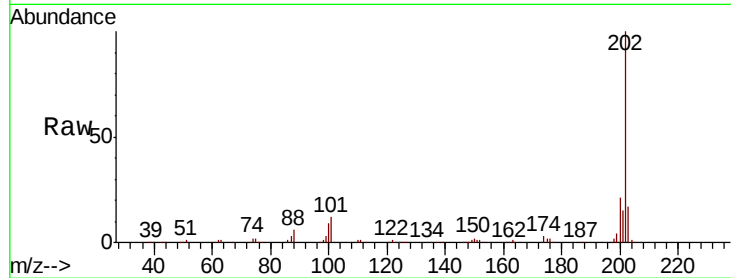
ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

Tot Ion	Ratio	Resp	Lower	Upper
202	100			
101	12.2	0.0	32.4	
203	17.3	0.0	38.6	

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#76

Chrysene-d12

Concen: 20.000 ng

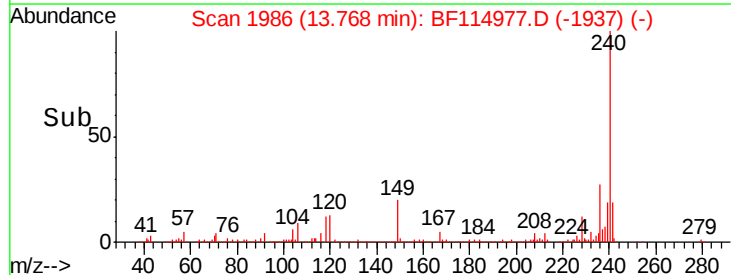
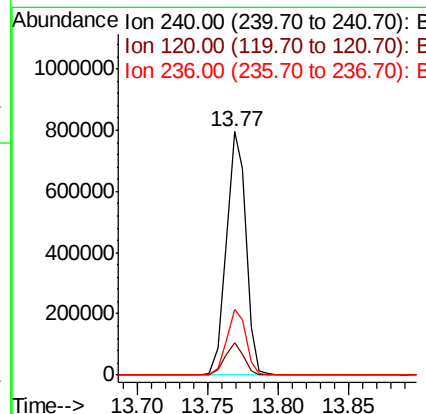
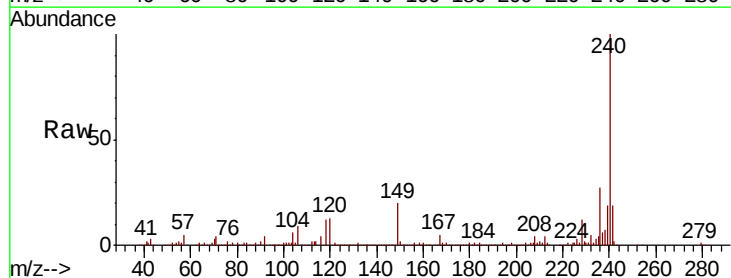
RT: 13.77 min Scan# 1986

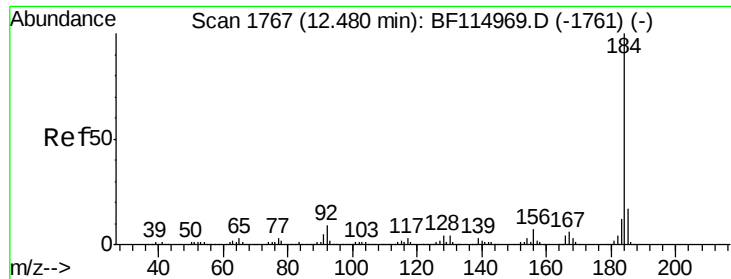
Delta R.T. -0.01 min

Lab File: BF114977.D

Acq: 12 Jun 2019 16:24

Tgt Ion	Ratio	Resp	Lower	Upper
240	100			
120	13.5	10.0	15.0	
236	26.9	21.6	32.4	





#77

Benzidine

Concen: 3.989 ng

RT: 12.47 min Scan# 1766

Delta R.T. -0.01 min

Lab File: BF114977.D

Acq: 12 Jun 2019 16:24

Instrument :

BNA_F

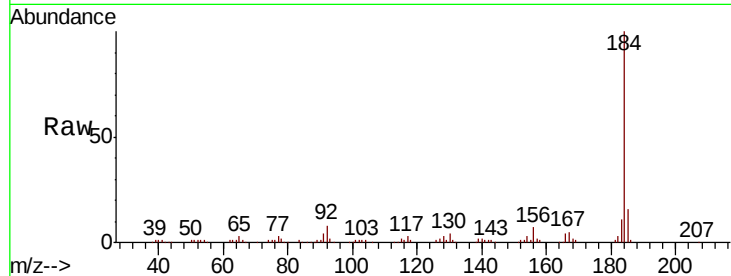
ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

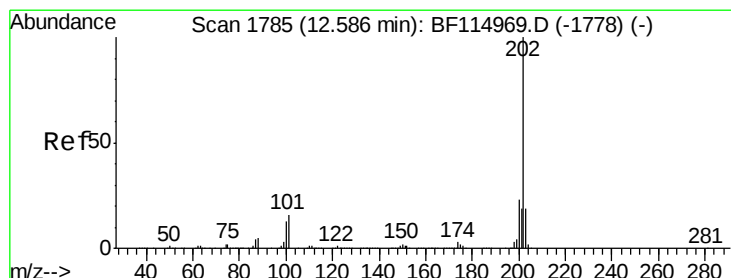
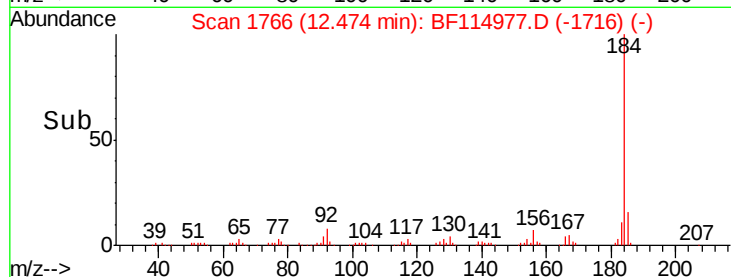
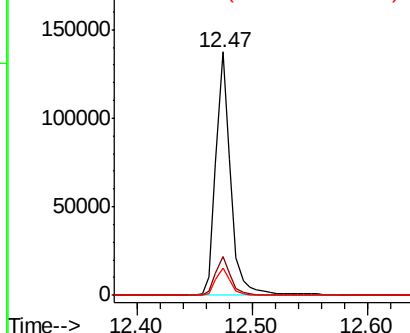
Tot Ion:	184	Resp:	123184
Ion Ratio	Lower	Upper	
184	100		
185	15.8	13.4	20.0
183	11.4	9.8	14.6

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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: 4.869 ng

RT: 12.57 min Scan# 1783

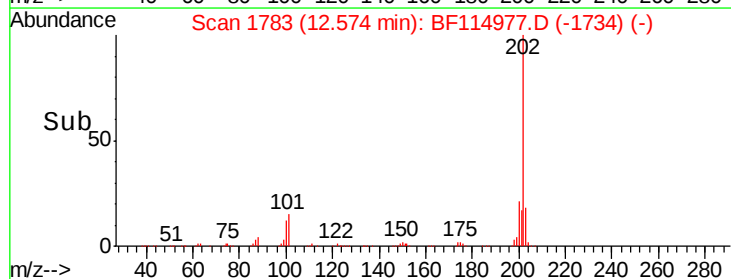
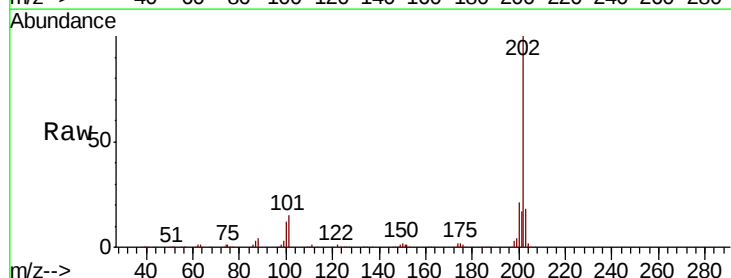
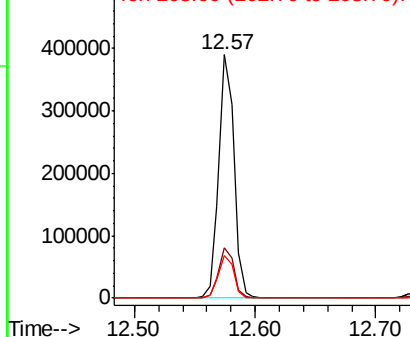
Delta R.T. -0.01 min

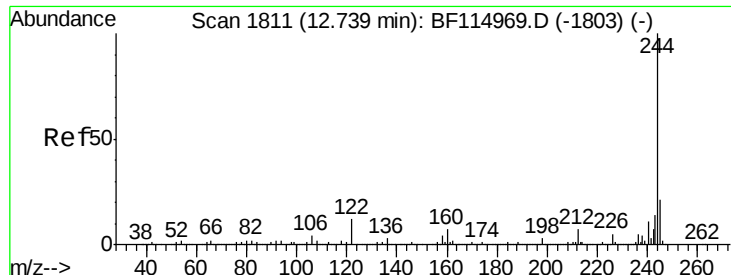
Lab File: BF114977.D

Acq: 12 Jun 2019 16:24

Tgt Ion:	202	Resp:	338648
Ion Ratio	Lower	Upper	
202	100		
200	20.7	18.4	27.6
203	17.7	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





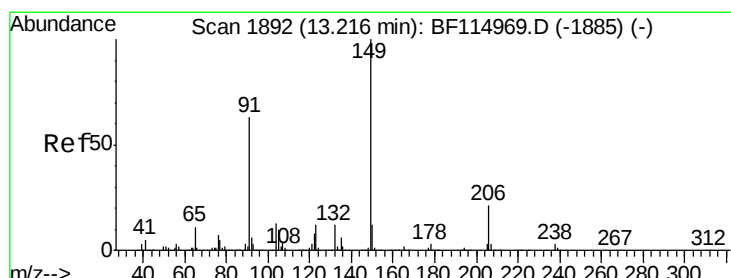
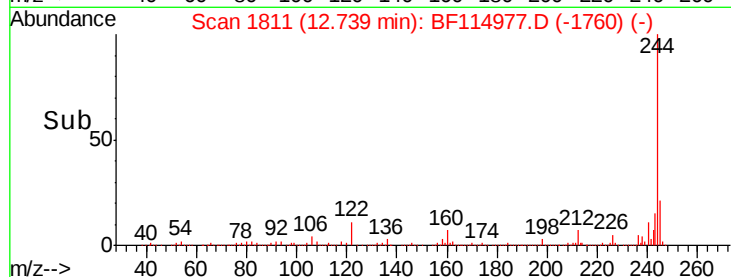
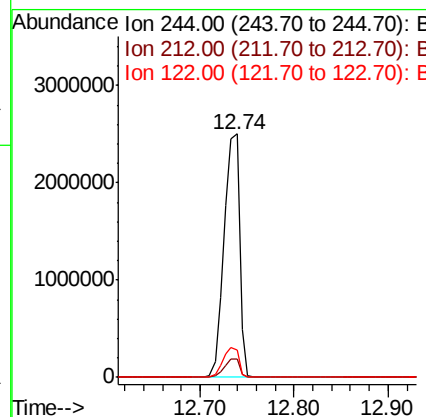
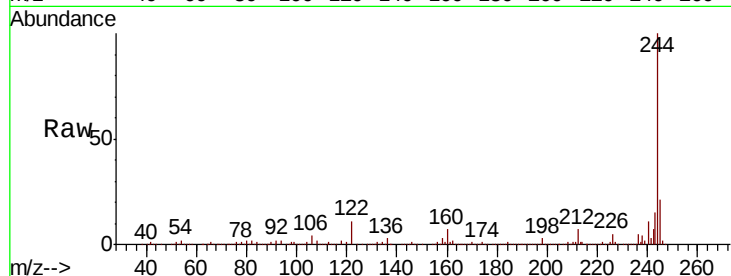
#79
 Terphenyl-d14
 Concen: 72.055 ng
 RT: 12.74 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: BF114977.D
 Acq: 12 Jun 2019 16:24

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2019

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.8	8.8
122	11.1	9.4	14.0

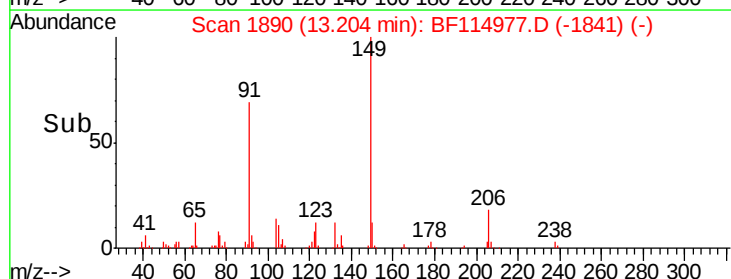
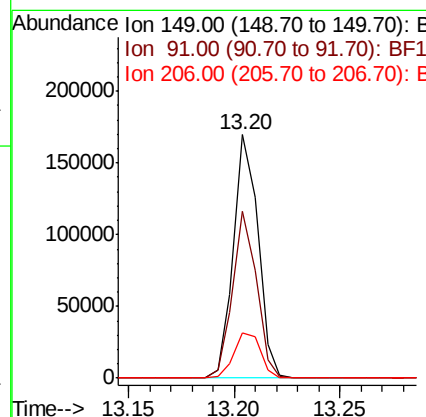
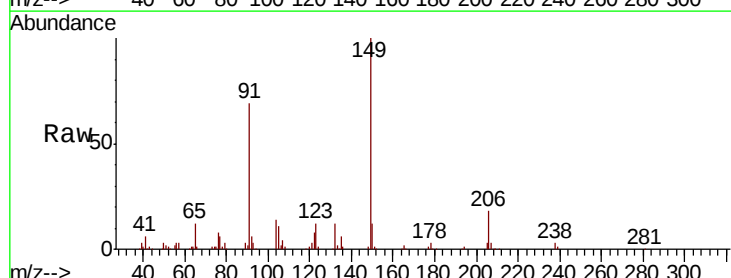
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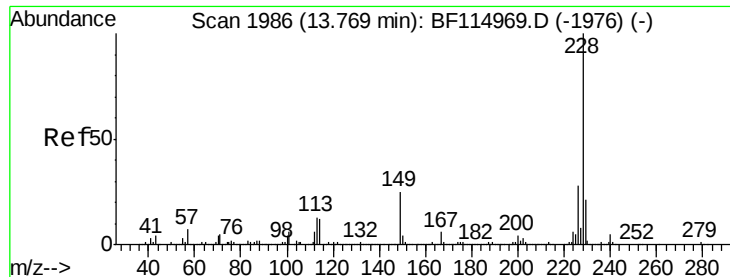
mohammad
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#80
 Butylbenzylphthalate
 Concen: 4.205 ng
 RT: 13.20 min Scan# 1890
 Delta R.T. -0.01 min
 Lab File: BF114977.D
 Acq: 12 Jun 2019 16:24

Tgt Ion	Ratio	Lower	Upper
149	100		
91	68.6	50.6	76.0
206	18.5	16.7	25.1





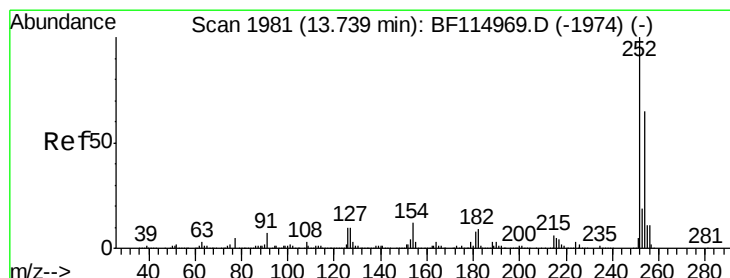
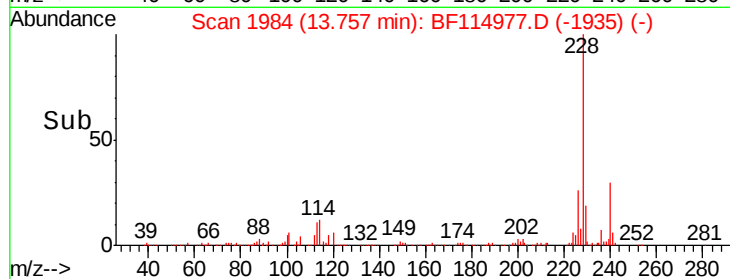
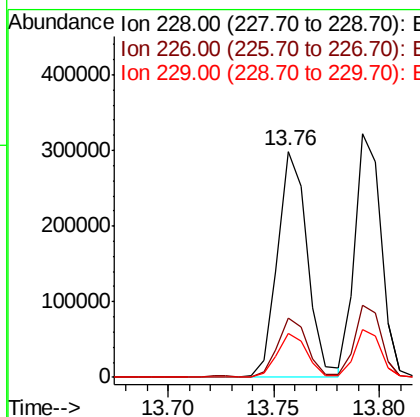
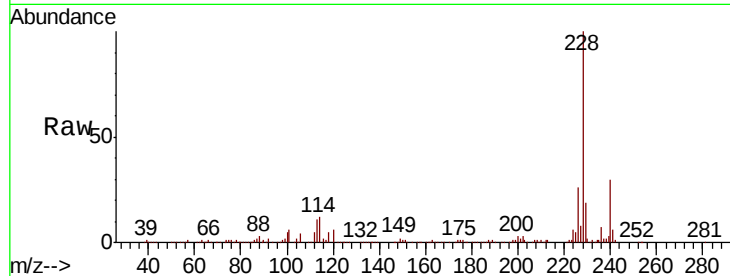
#81
Benzo(a)anthracene
Concen: 5.149 ng
RT: 13.76 min Scan# 1984
Delta R.T. -0.01 min
Lab File: BF114977.D
Acq: 12 Jun 2019 16:24

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tot Ion	Ratio	Lower	Upper
228	100		
226	26.4	22.0	33.0
229	19.3	16.6	25.0

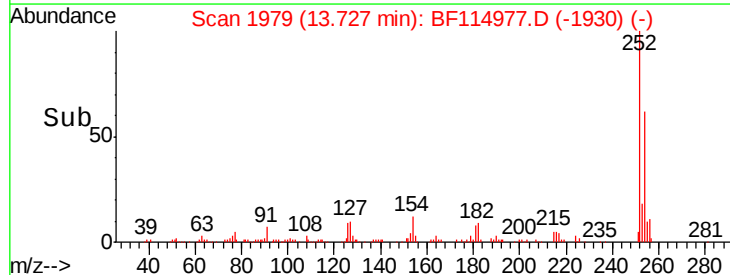
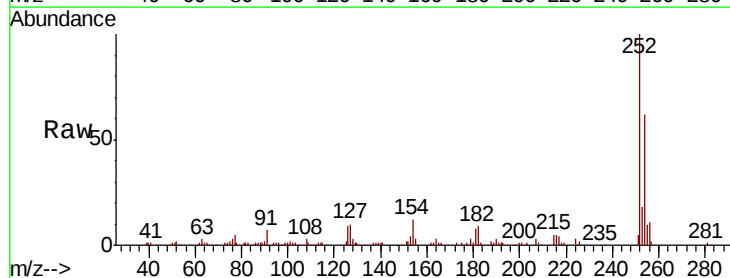
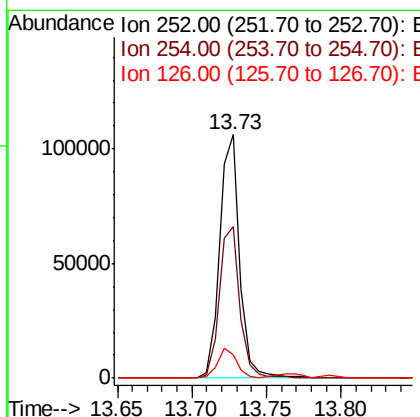
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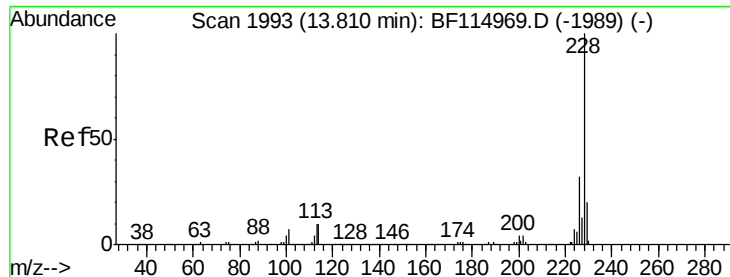
mohammad
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#82
3,3'-Dichlorobenzidine
Concen: 4.567 ng
RT: 13.73 min Scan# 1979
Delta R.T. -0.01 min
Lab File: BF114977.D
Acq: 12 Jun 2019 16:24

Tgt Ion	Ratio	Lower	Upper
252	100		
254	62.0	52.2	78.4
126	9.4	8.0	12.0





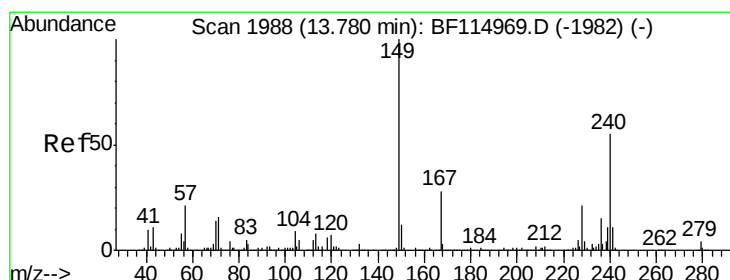
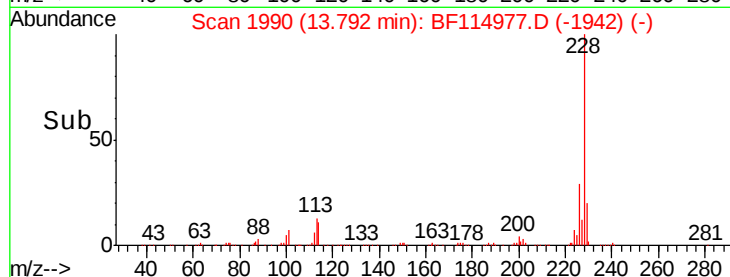
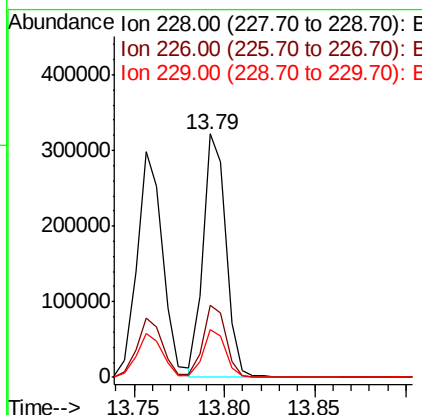
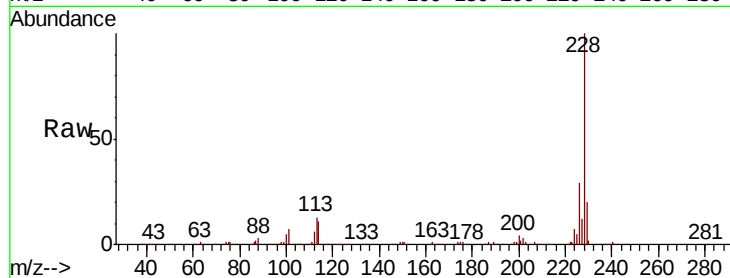
#83
Chrysene
Concen: 4.997 ng
RT: 13.79 min Scan# 1990
Delta R.T. -0.02 min
Lab File: BF114977.D
Acq: 12 Jun 2019 16:24

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.4	25.4	38.0
229	19.7	16.4	24.6

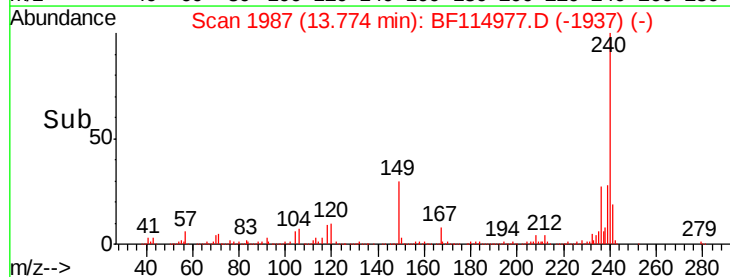
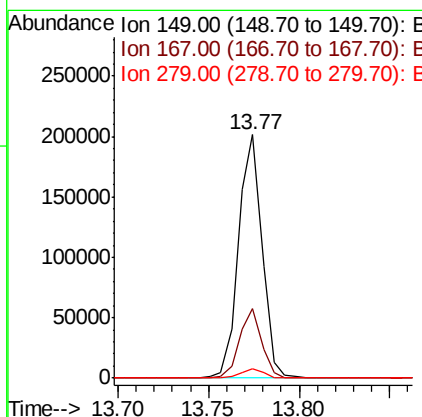
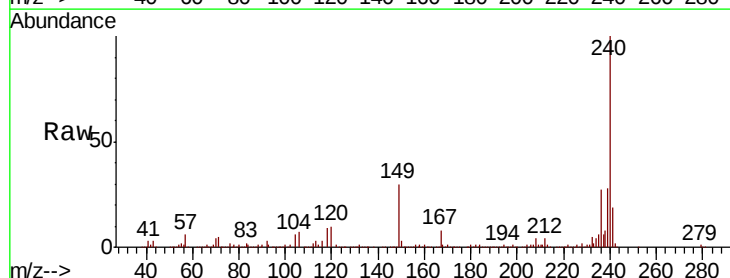
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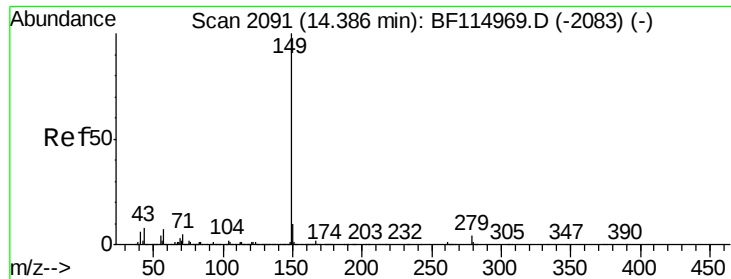
mohammad
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#84
Bis(2-ethylhexyl)phthalate
Concen: 4.724 ng
RT: 13.77 min Scan# 1987
Delta R.T. -0.01 min
Lab File: BF114977.D
Acq: 12 Jun 2019 16:24

Tgt Ion	Ratio	Lower	Upper
149	100		
167	28.4	22.2	33.4
279	3.8	3.4	5.0





#85

Di-n-octyl phthalate

Concen: 4.858 ng

RT: 14.39 min Scan# 2091

Delta R.T. -0.00 min

Lab File: BF114977.D

Acq: 12 Jun 2019 16:24

Instrument :

BNA_F

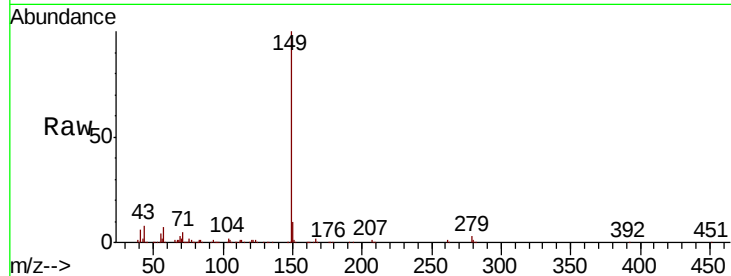
ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

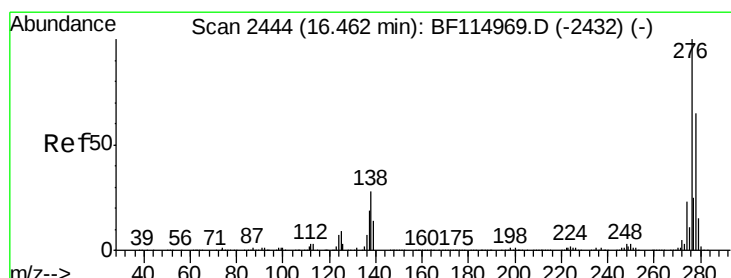
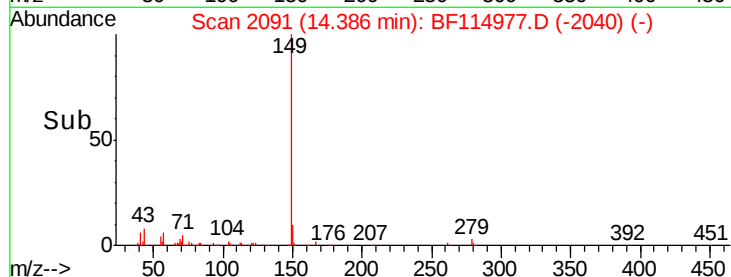
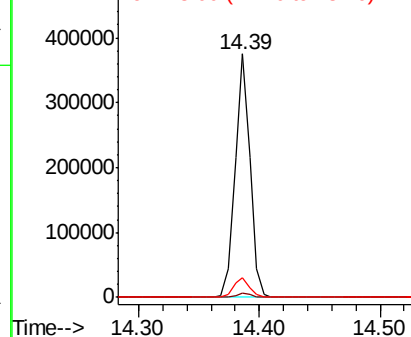
Tot Ion	Ratio	Resp	Lower	Upper
149	100	321208		
167	1.7	1.3	1.9	
43	8.1	6.5	9.7	

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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: 4.403 ng

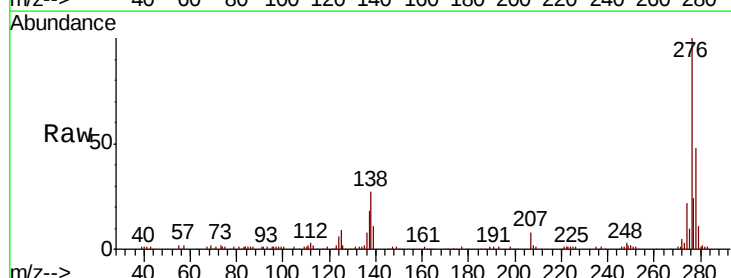
RT: 16.46 min Scan# 2443

Delta R.T. -0.01 min

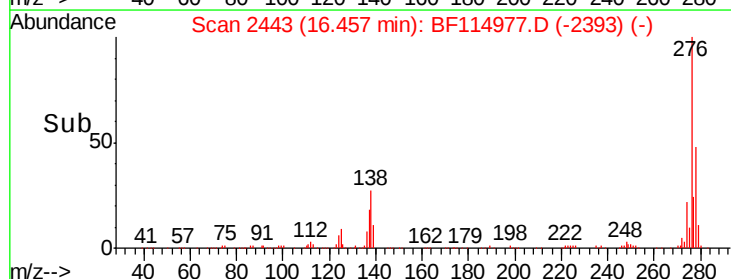
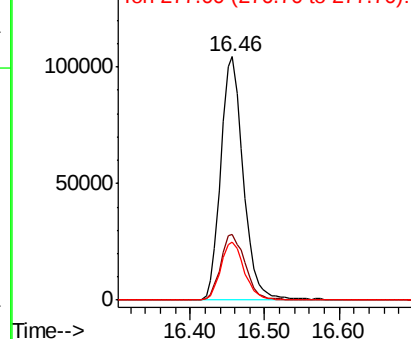
Lab File: BF114977.D

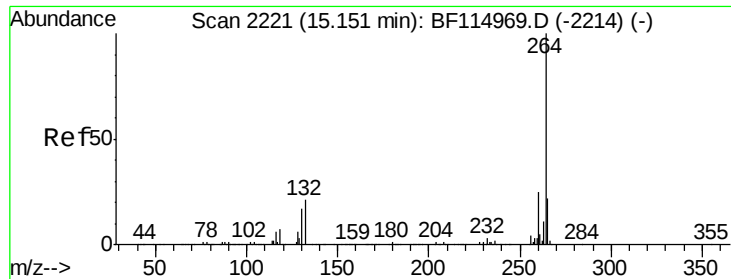
Acq: 12 Jun 2019 16:24

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	219744		
138	29.3	23.0	34.4	
277	24.8	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





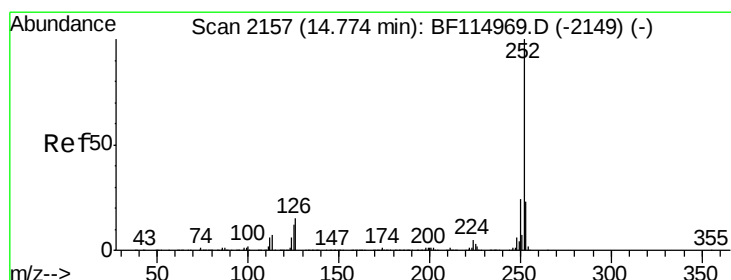
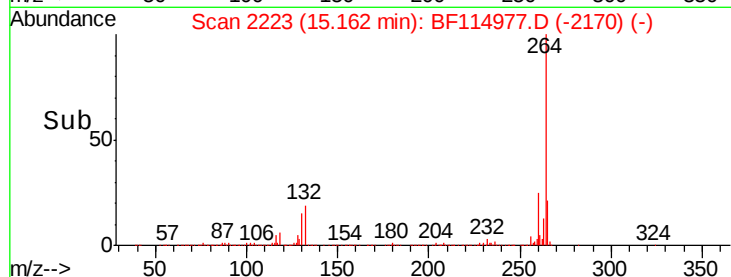
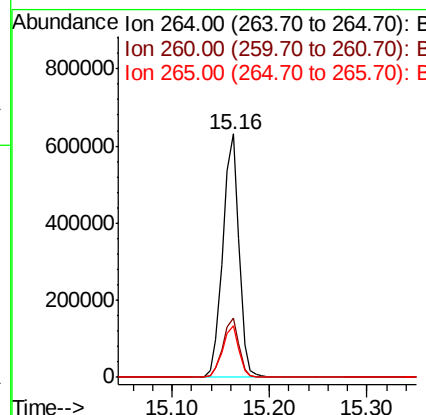
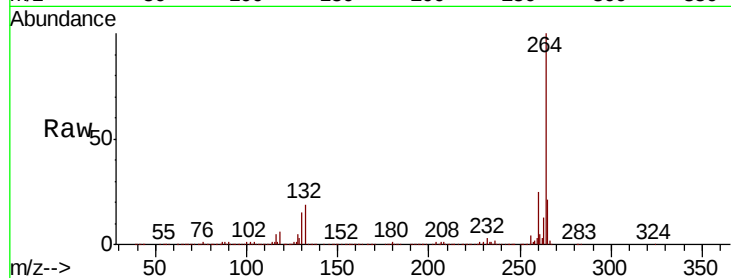
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.16 min Scan# 2223
Delta R.T. 0.01 min
Lab File: BF114977.D
Acq: 12 Jun 2019 16:24

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.9	29.9
265	21.3	17.6	26.4

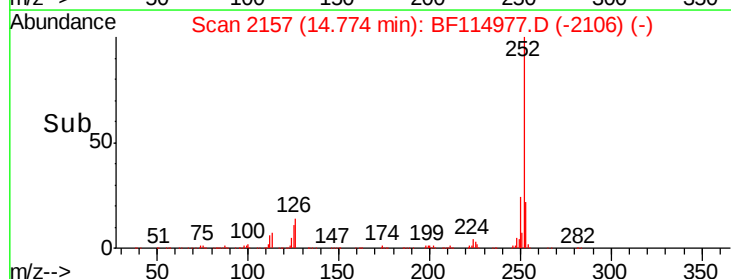
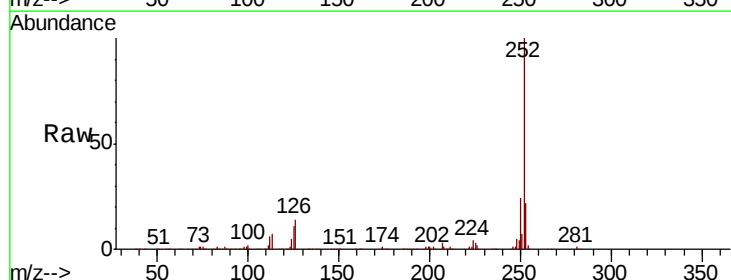
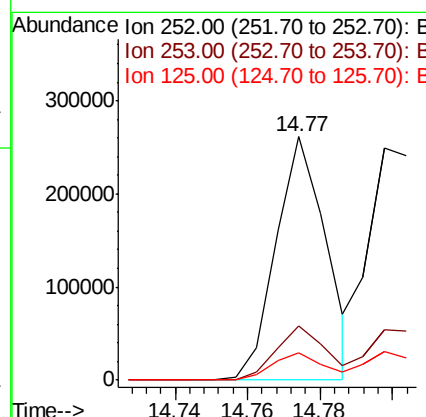
Manual Integrations
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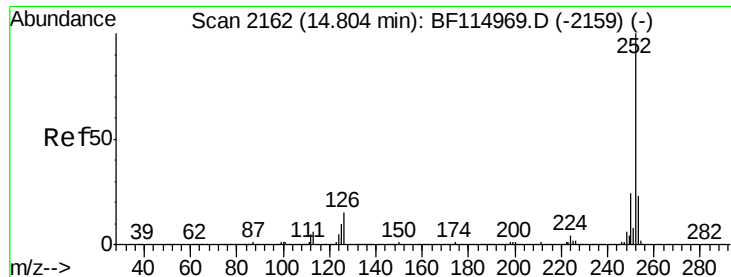
mohammad
6/14/2019 8:46:27 AM



#88
Benzo(b)fluoranthene
Concen: 5.177 ng
RT: 14.77 min Scan# 2157
Delta R.T. -0.00 min
Lab File: BF114977.D
Acq: 12 Jun 2019 16:24

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.1	27.1
125	11.4	9.4	14.0





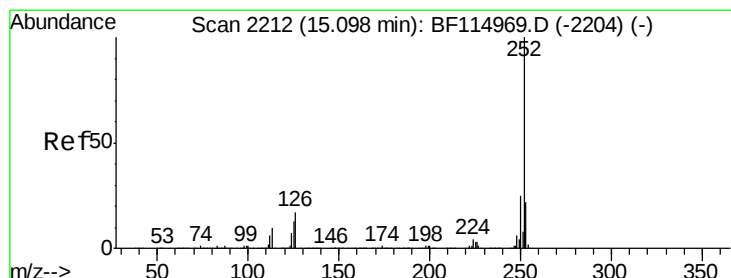
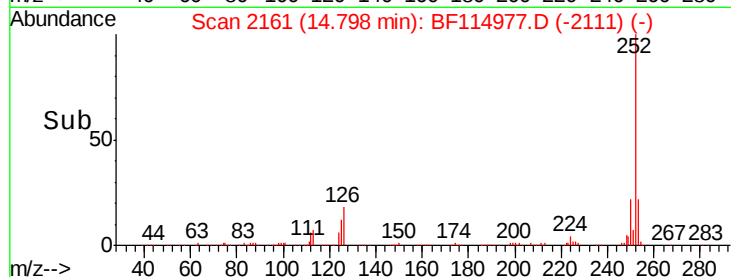
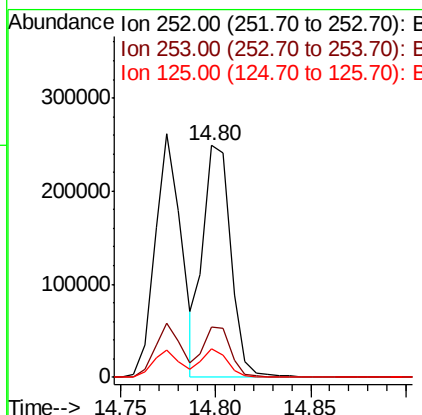
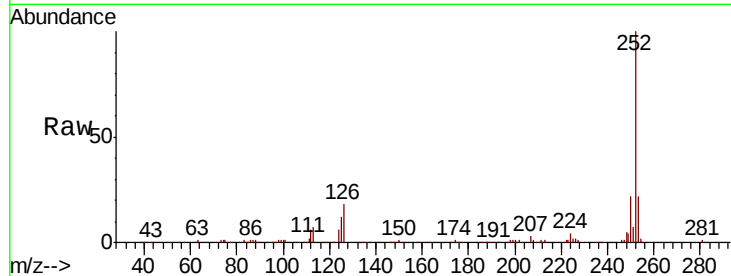
#89
Benzo(k)fluoranthene
Concen: 5.988 ng m
RT: 14.80 min Scan# 2161
Delta R.T. -0.01 min
Lab File: BF114977.D
Acq: 12 Jun 2019 16:24

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.8	18.0	27.0
125	12.4	8.2	12.4

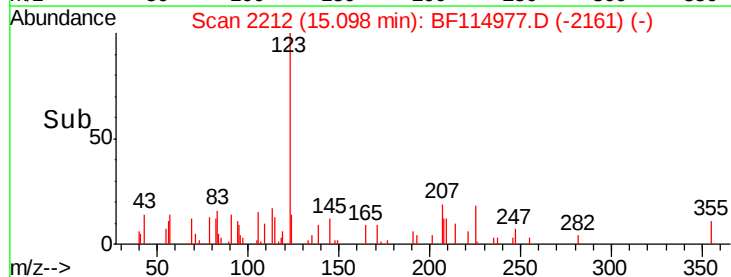
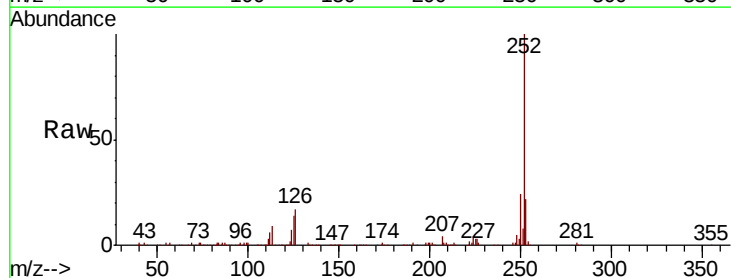
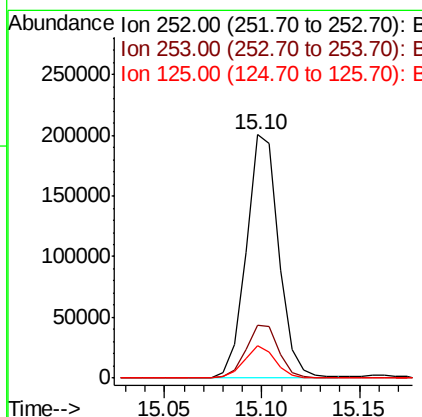
Manual Integrations
APPROVED

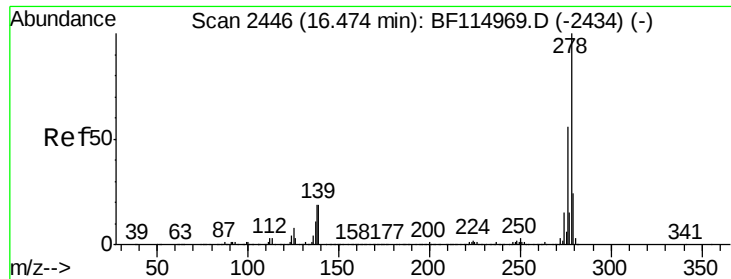
mohammad
6/14/2019 8:46:27 AM



#90
Benzo(a)pyrene
Concen: 5.523 ng
RT: 15.10 min Scan# 2212
Delta R.T. -0.00 min
Lab File: BF114977.D
Acq: 12 Jun 2019 16:24

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.8	26.8
125	13.5	10.7	16.1





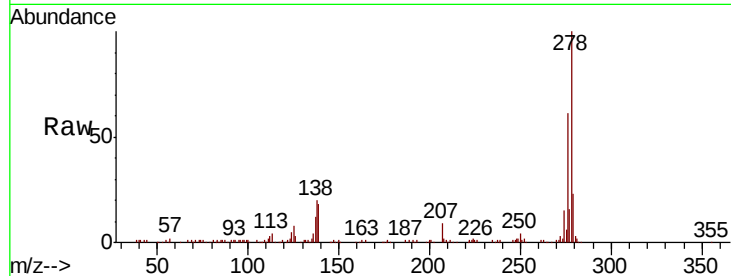
#91
Dibenzo(a,h)anthracene
Concen: 5.156 ng
RT: 16.47 min Scan# 2445
Delta R.T. -0.01 min
Lab File: BF114977.D
Acq: 12 Jun 2019 16:24

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

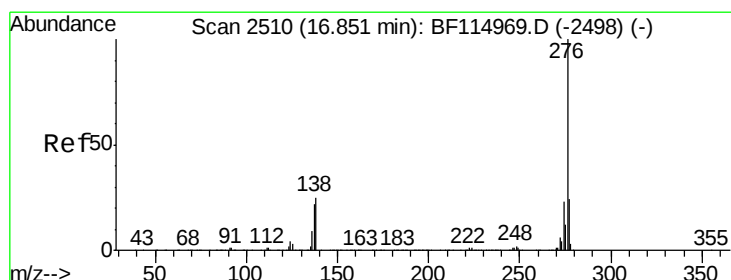
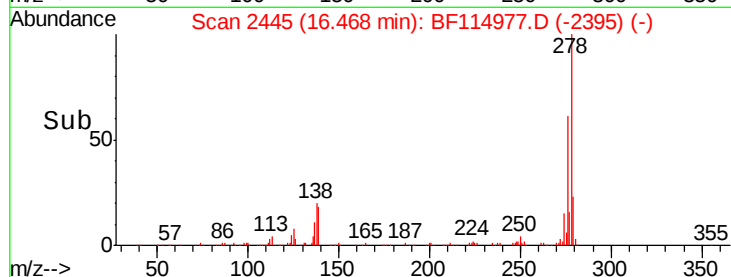
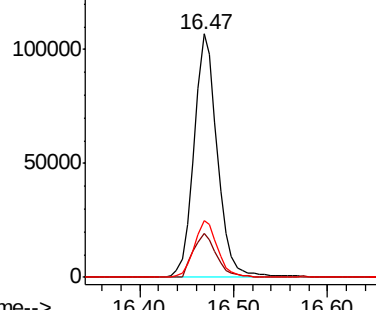
Tot Ion	Ratio	Lower	Upper
278	100		
139	18.2	15.3	22.9
279	23.2	19.2	28.8

Manual Integrations
APPROVED

mohammad
6/14/2019 8:46:27 AM

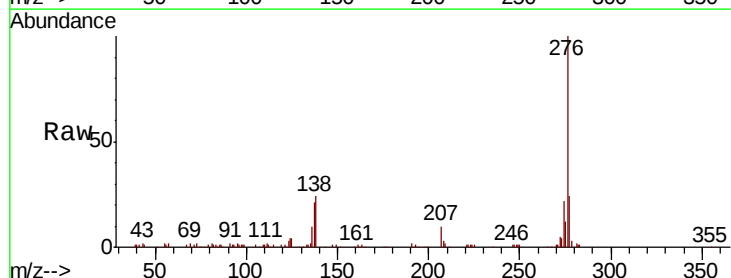


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#92
Benzo(g,h,i)perylene
Concen: 4.887 ng
RT: 16.84 min Scan# 2509
Delta R.T. -0.01 min
Lab File: BF114977.D
Acq: 12 Jun 2019 16:24

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.8	18.8	28.2
138	24.4	20.2	30.4



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

