

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

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

Quant Time: Jun 13 02:09:07 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	274951	20.00	ng	0.00
21) Naphthalene-d8	7.93	136	1101808	20.00	ng	0.00
39) Acenaphthene-d10	9.67	164	533983	20.00	ng	0.00
64) Phenanthrene-d10	11.15	188	1055296	20.00	ng	0.00
76) Chrysene-d12	13.77	240	717388	20.00	ng	0.00
87) Perylene-d12	15.15	264	701847	20.00	ng	0.00

System Monitoring Compounds

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

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.28	88	144620	18.763	ng	100
3) Pyridine	2.96	79	349807	16.120	ng	99
4) n-Nitrosodimethylamine	2.88	42	138205	17.939	ng	99
6) Aniline	6.31	93	505303	18.996	ng	# 85
8) 2-Chlorophenol	6.43	128	369654	19.798	ng	99
9) Benzaldehyde	6.19	77	289086	21.887	ng	96
10) Phenol	6.30	94	441171	19.852	ng	92
11) bis(2-Chloroethyl)ether	6.39	93	330445	19.158	ng	100
12) 1,3-Dichlorobenzene	6.59	146	416134	19.081	ng	99
13) 1,4-Dichlorobenzene	6.66	146	416452	18.994	ng	100
14) 1,2-Dichlorobenzene	6.82	146	396508	19.209	ng	98
15) Benzyl Alcohol	6.79	79	297535	19.993	ng	99
16) 2,2'-oxybis(1-Chloropropan	6.93	45	443784	19.223	ng	98
17) 2-Methylphenol	6.91	107	300247	19.279	ng	98
18) Hexachloroethane	7.16	117	143754	18.155	ng	95
19) n-Nitroso-di-n-propylamine	7.06	70	235945	19.551	ng	95
20) 3+4-Methylphenols	6.91	107	300247	16.199	ng	80
22) Acetophenone	7.06	105	529270	21.221	ng	96
24) Nitrobenzene	7.23	77	369153	19.821	ng	93
25) Isophorone	7.47	82	662164	19.314	ng	99
26) 2-Nitrophenol	7.55	139	204245	19.675	ng	99
27) 2,4-Dimethylphenol	7.59	122	315094	21.041	ng	99
28) bis(2-Chloroethoxy)methane	7.69	93	418030	19.005	ng	99
29) 2,4-Dichlorophenol	7.79	162	318233	20.116	ng	97
30) 1,2,4-Trichlorobenzene	7.87	180	353932	19.362	ng	99
31) Naphthalene	7.95	128	1101308	21.126	ng	98
32) Benzoic acid	7.70	122	189519	17.491	ng	99
33) 4-Chloroaniline	8.00	127	468276	19.460	ng	99
34) Hexachlorobutadiene	8.07	225	190289	18.728	ng	99
35) Caprolactam	8.36	113	103781	19.696	ng	97
36) 4-Chloro-3-methylphenol	8.49	107	318930	20.005	ng	99
37) 2-Methylnaphthalene	8.64	142	740929	21.309	ng	98
38) 1-Methylnaphthalene	8.74	142	696213	21.186	ng	99
40) 1,2,4,5-Tetrachlorobenzene	8.81	216	337711	21.407	ng	99

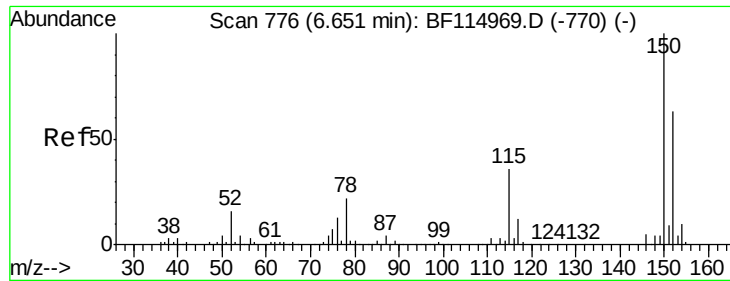
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF061219\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.80	237	131249	16.884	ng	99
43) 2,4,6-Trichlorophenol	8.92	196	224772	19.076	ng	99
44) 2,4,5-Trichlorophenol	8.96	196	240894	20.230	ng	99
46) 1,1'-Biphenyl	9.10	154	920519	21.512	ng	98
47) 2-Chloronaphthalene	9.13	162	698054	20.174	ng	97
48) 2-Nitroaniline	9.22	65	190054	18.583	ng	91
49) Acenaphthylene	9.54	152	1094578	20.574	ng	98
50) Dimethylphthalate	9.40	163	788080	19.625	ng	99
51) 2,6-Dinitrotoluene	9.46	165	180205	19.783	ng	93
52) Acenaphthene	9.71	154	627818	20.626	ng	97
53) 3-Nitroaniline	9.63	138	203472	18.231	ng	99
54) 2,4-Dinitrophenol	9.73	184	77501	17.540	ng	90
55) Dibenzofuran	9.88	168	957050	20.863	ng	97
56) 4-Nitrophenol	9.79	139	148581	19.305	ng	99
57) 2,4-Dinitrotoluene	9.86	165	241519	20.831	ng	98
58) Fluorene	10.22	166	709712	18.596	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.00	232	194886	20.261	ng	99
60) Diethylphthalate	10.10	149	769892	20.051	ng	99
61) 4-Chlorophenyl-phenylether	10.22	204	341810	17.997	ng	98
62) 4-Nitroaniline	10.23	138	206876	18.436	ng	98
63) Azobenzene	10.37	77	705557	21.004	ng	98
65) 4,6-Dinitro-2-methylphenol	10.27	198	107983	18.257	ng	98
66) n-Nitrosodiphenylamine	10.33	169	649833	20.600	ng	100
67) 4-Bromophenyl-phenylether	10.70	248	220877	19.493	ng	98
68) Hexachlorobenzene	10.77	284	241408	19.352	ng	97
69) Atrazine	10.86	200	199740	19.639	ng	98
70) Pentachlorophenol	10.96	266	124588	18.391	ng	99
71) Phenanthrene	11.17	178	1120868	20.571	ng	98
72) Anthracene	11.23	178	1144914	20.829	ng	98
73) Carbazole	11.38	167	1020306	21.266	ng	97
74) Di-n-butylphthalate	11.72	149	1192471	19.715	ng	99
75) Fluoranthene	12.36	202	1159380	20.809	ng	98
77) Benzidine	12.47	184	517353	17.830	ng	99
78) Pyrene	12.58	202	1173402	17.955	ng	98
80) Butylbenzylphthalate	13.21	149	521674	17.090	ng	99
81) Benzo(a)anthracene	13.76	228	988313	18.410	ng	98
82) 3,3'-Dichlorobenzidine	13.73	252	391709	19.032	ng	# 98
83) Chrysene	13.80	228	993337	18.608	ng	98
84) Bis(2-ethylhexyl)phthalate	13.77	149	649923	18.015	ng	98
85) Di-n-octyl phthalate	14.38	149	1151525	18.535	ng	99
86) Indeno(1,2,3-cd)pyrene	16.44	276	798006	17.018	ng	99
88) Benzo(b)fluoranthene	14.77	252	908153	19.465	ng	100
89) Benzo(k)fluoranthene	14.80	252	883344	21.570	ng	98
90) Benzo(a)pyrene	15.09	252	829614	20.607	ng	99
91) Dibenzo(a,h)anthracene	16.46	278	671918	19.380	ng	99
92) Benzo(g,h,i)perylene	16.83	276	661053	18.695	ng	99

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.65 min Scan# 775

Delta R.T. -0.01 min

Lab File: BF114979.D

Acq: 12 Jun 2019 17:17

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2019

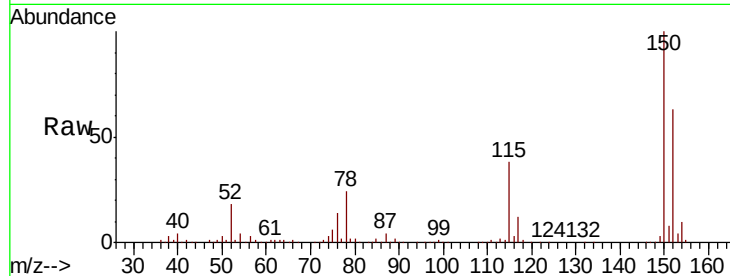
Tgt Ion:152 Resp: 274951

Ion Ratio Lower Upper

152 100

150 157.9 127.4 191.0

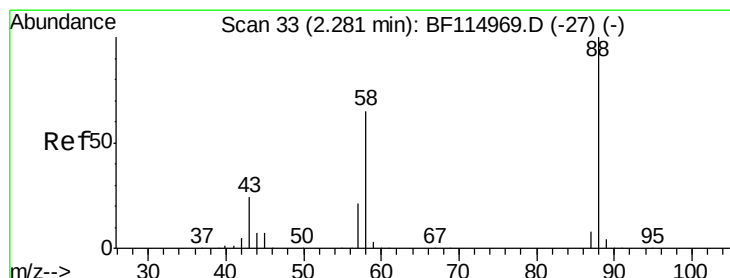
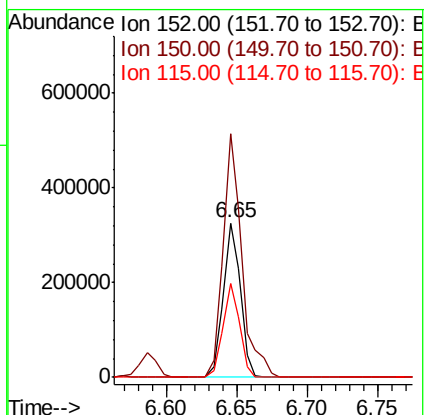
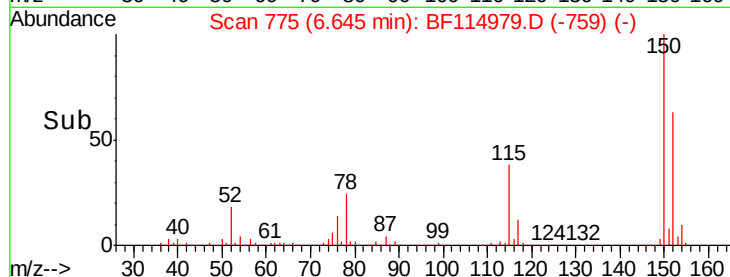
115 60.6 46.0 69.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 18.763 ng

RT: 2.28 min Scan# 32

Delta R.T. -0.01 min

Lab File: BF114979.D

Acq: 12 Jun 2019 17:17

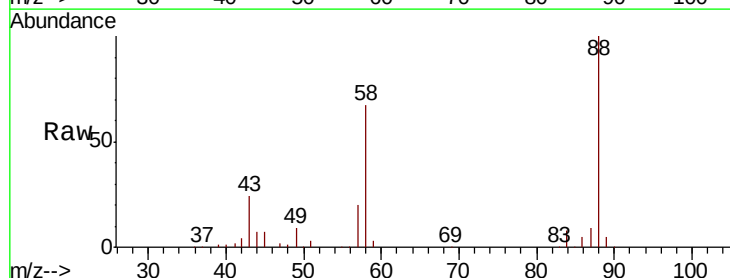
Tgt Ion: 88 Resp: 144620

Ion Ratio Lower Upper

88 100

58 66.9 53.4 80.2

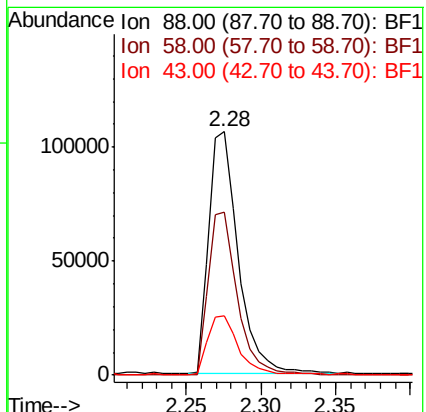
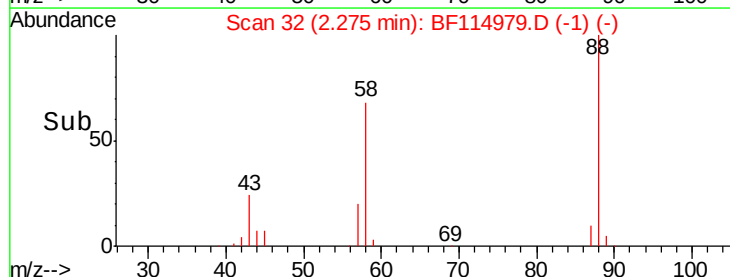
43 25.3 19.7 29.5

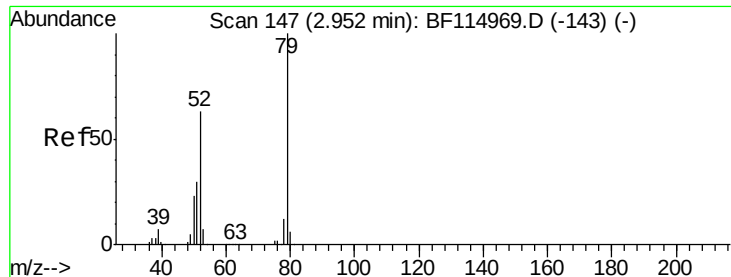


Abundance Ion 88.00 (87.70 to 88.70): BF1

Ion 58.00 (57.70 to 58.70): BF1

Ion 43.00 (42.70 to 43.70): BF1





#3

Pyridine

Concen: 16.120 ng

RT: 2.96 min Scan# 149

Delta R.T. 0.01 min

Lab File: BF114979.D

Acq: 12 Jun 2019 17:17

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2019

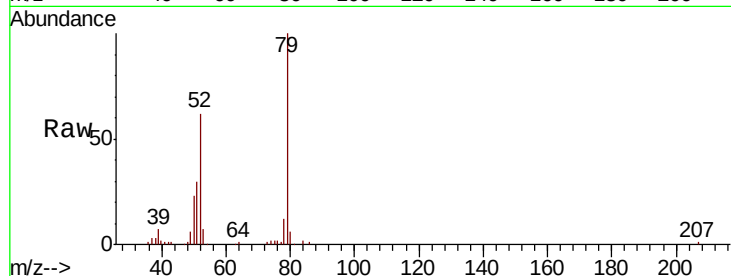
Tgt Ion: 79 Resp: 349807

Ion Ratio Lower Upper

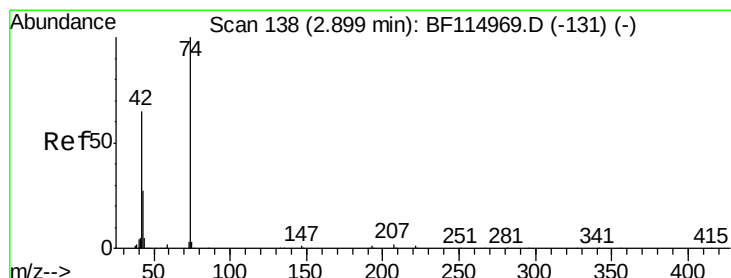
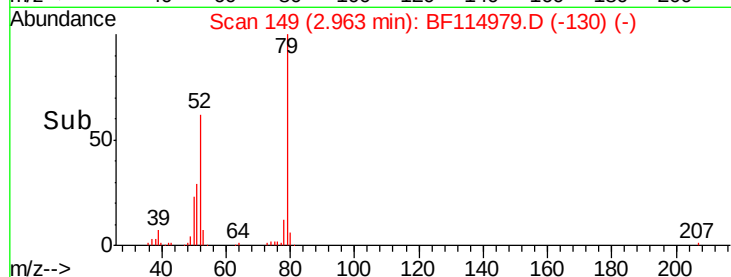
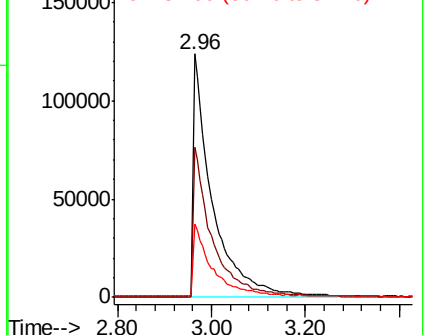
79 100

52 61.9 50.3 75.5

51 30.0 24.4 36.6



Abundance Ion 79.00 (78.70 to 79.70): BF1
Ion 52.00 (51.70 to 52.70): BF1
Ion 51.00 (50.70 to 51.70): BF1



#4

n-Nitrosodimethylamine

Concen: 17.939 ng

RT: 2.88 min Scan# 134

Delta R.T. -0.02 min

Lab File: BF114979.D

Acq: 12 Jun 2019 17:17

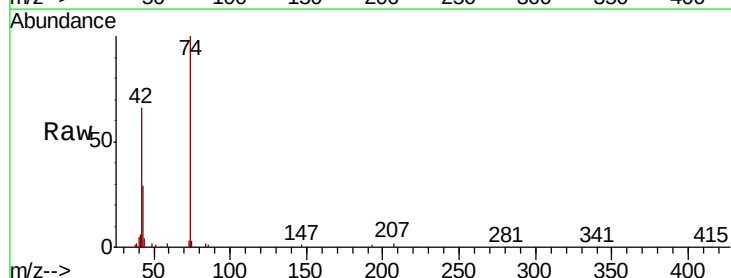
Tgt Ion: 42 Resp: 138205

Ion Ratio Lower Upper

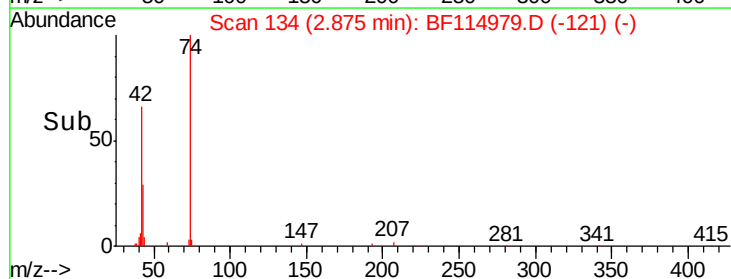
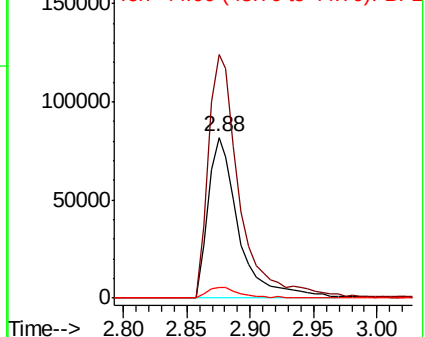
42 100

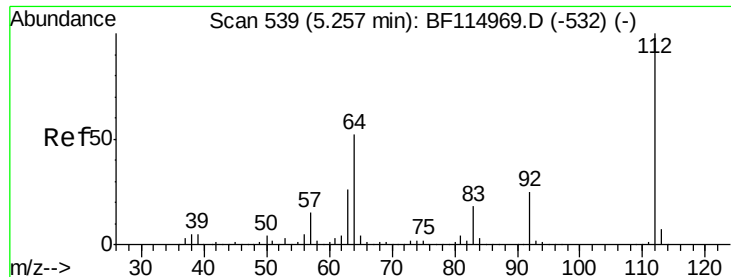
74 151.2 122.2 183.2

44 6.6 5.8 8.8



Abundance Ion 42.00 (41.70 to 42.70): BF1
Ion 74.00 (73.70 to 74.70): BF1
Ion 44.00 (43.70 to 44.70): BF1





#5

2-Fluorophenol

Concen: 78.016 ng

RT: 5.25 min Scan# 538

Delta R.T. -0.01 min

Lab File: BF114979.D

Acq: 12 Jun 2019 17:17

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2019

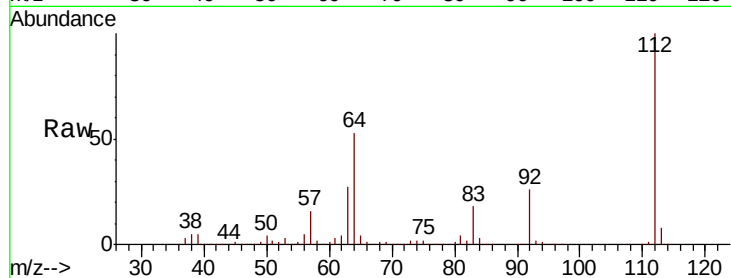
Tgt Ion: 112 Resp: 1284632

Ion Ratio Lower Upper

112 100

64 53.3 41.6 62.4

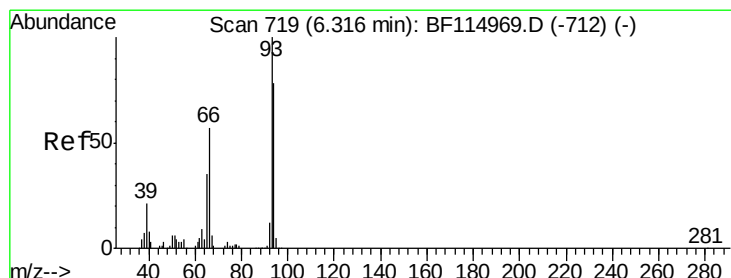
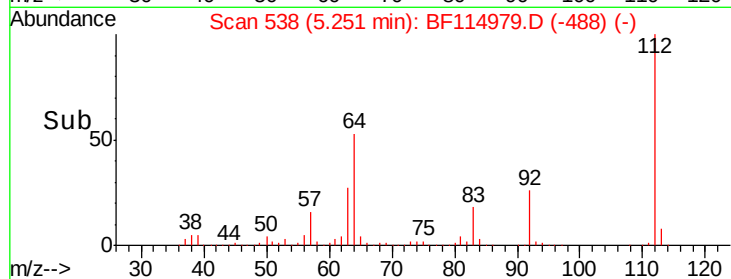
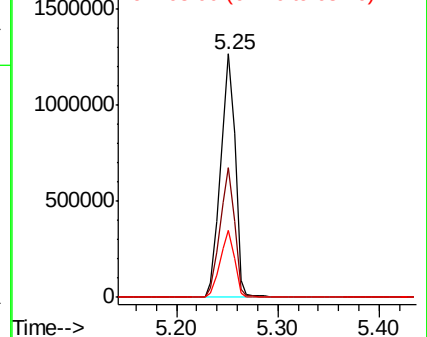
63 27.4 20.9 31.3



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 18.996 ng

RT: 6.31 min Scan# 718

Delta R.T. -0.01 min

Lab File: BF114979.D

Acq: 12 Jun 2019 17:17

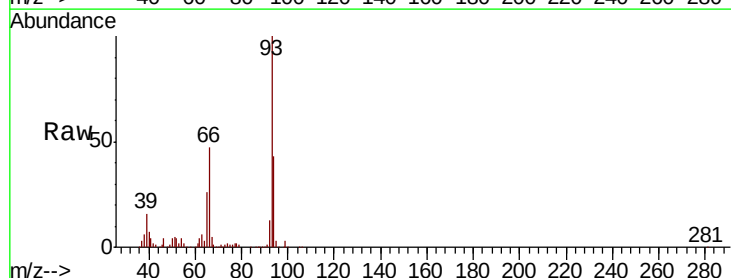
Tgt Ion: 93 Resp: 505303

Ion Ratio Lower Upper

93 100

66 46.6 46.2 69.2

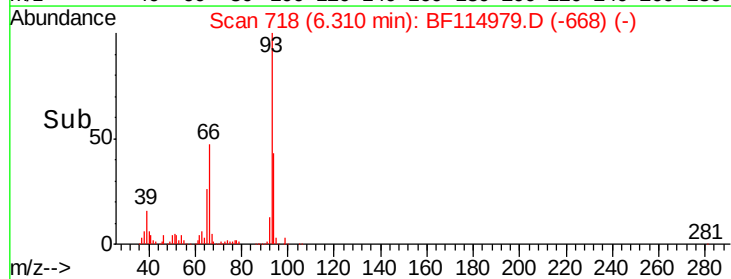
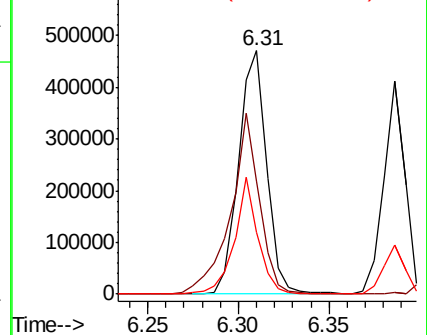
65 25.6 27.7 41.5#

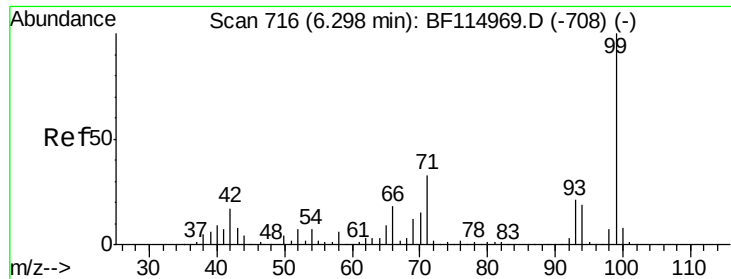


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 81.999 ng

RT: 6.29 min Scan# 715

Delta R.T. -0.01 min

Lab File: BF114979.D

Acq: 12 Jun 2019 17:17

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LOQ-SOIL-02-QT2-2019

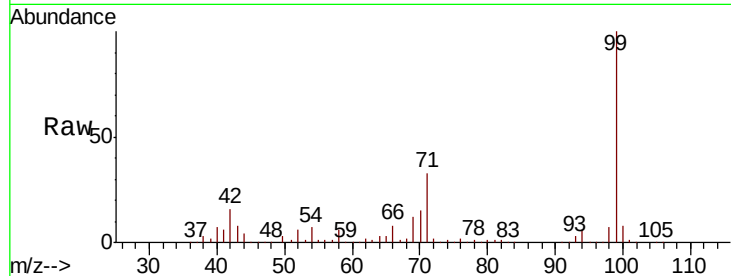
Tgt Ion: 99 Resp: 1628753

Ion Ratio Lower Upper

99 100

42 16.3 13.4 20.2

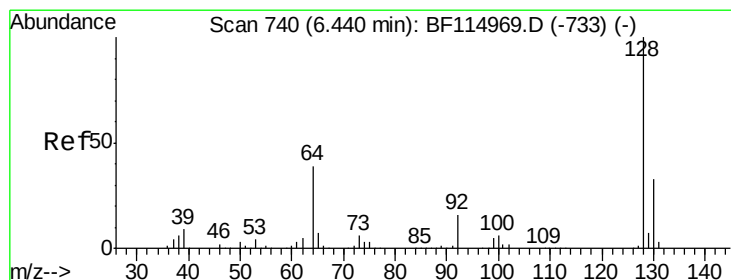
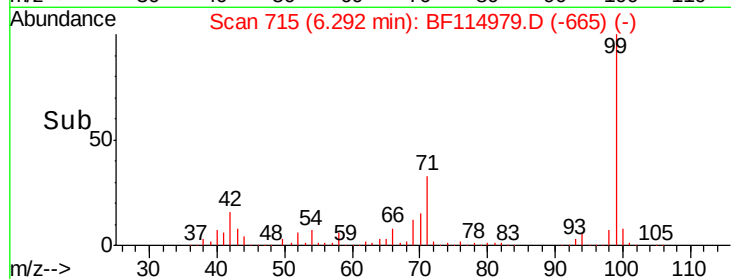
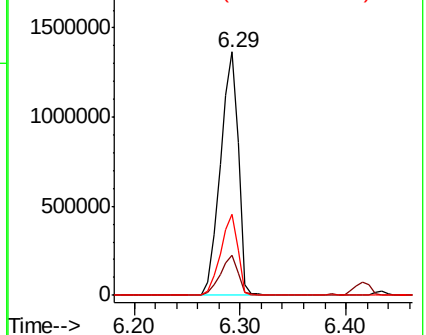
71 33.2 26.4 39.6



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 19.798 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF114979.D

Acq: 12 Jun 2019 17:17

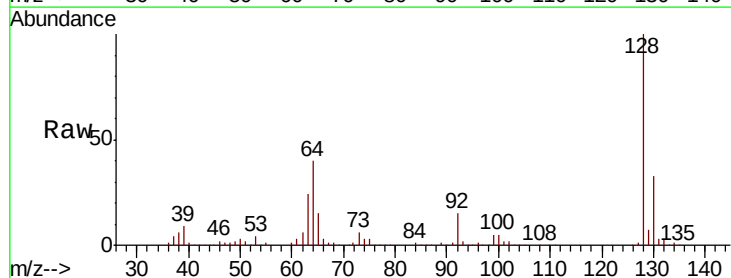
Tgt Ion: 128 Resp: 369654

Ion Ratio Lower Upper

128 100

130 32.9 13.4 53.4

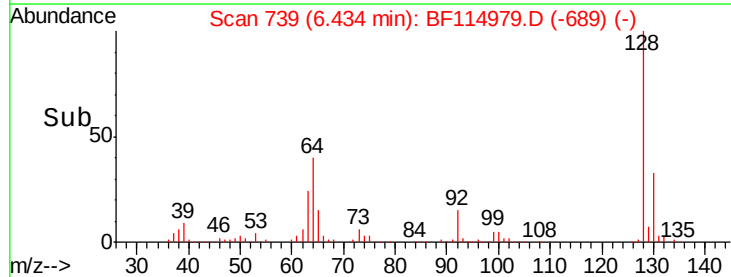
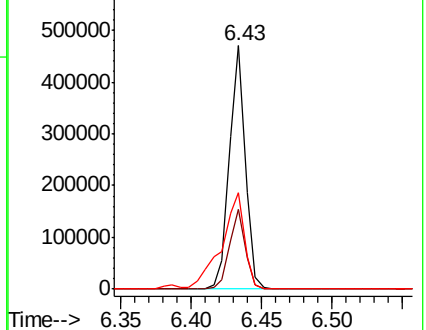
64 39.9 20.1 60.1

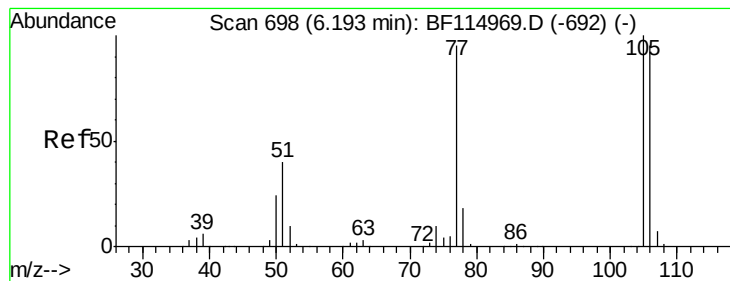


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 21.887 ng

RT: 6.19 min Scan# 698

Delta R.T. -0.00 min

Lab File: BF114979.D

Acq: 12 Jun 2019 17:17

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BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2019

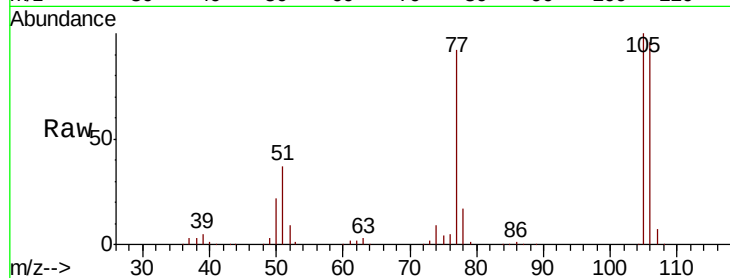
Tgt Ion: 77 Resp: 289086

Ion Ratio Lower Upper

77 100

105 108.9 85.1 125.1

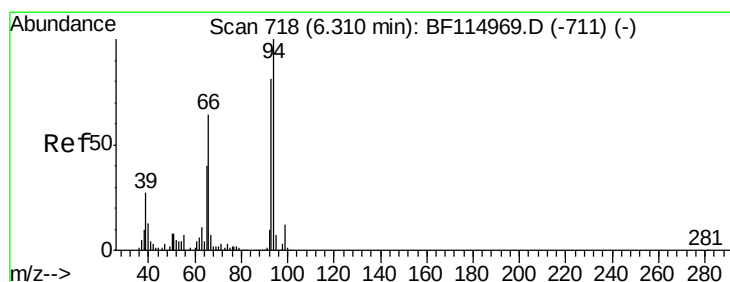
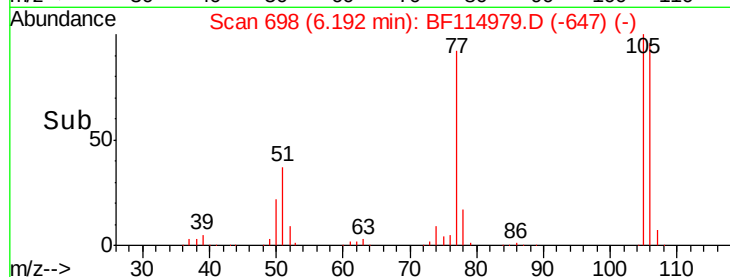
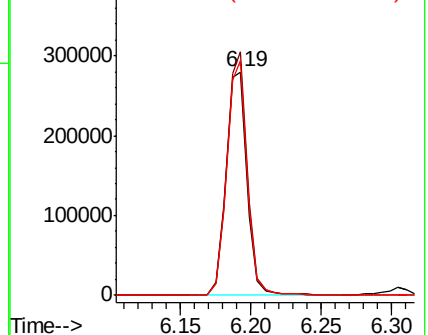
106 105.1 80.0 120.0



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: 19.852 ng

RT: 6.30 min Scan# 717

Delta R.T. -0.01 min

Lab File: BF114979.D

Acq: 12 Jun 2019 17:17

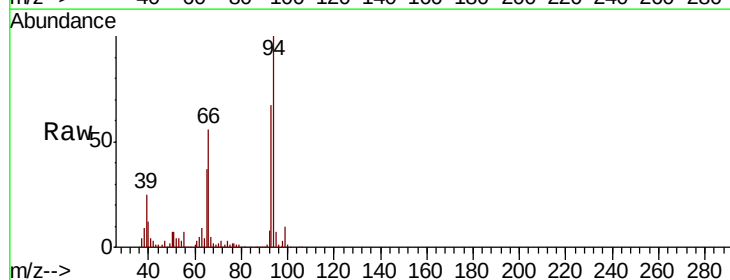
Tgt Ion: 94 Resp: 441171

Ion Ratio Lower Upper

94 100

65 36.6 20.0 60.0

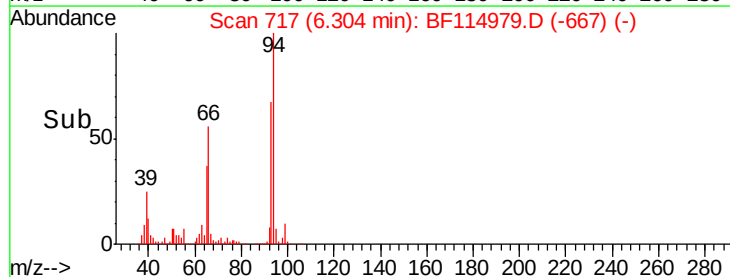
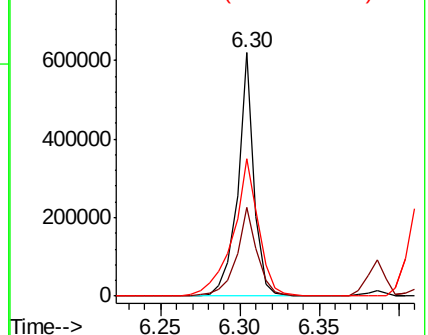
66 56.5 44.1 84.1

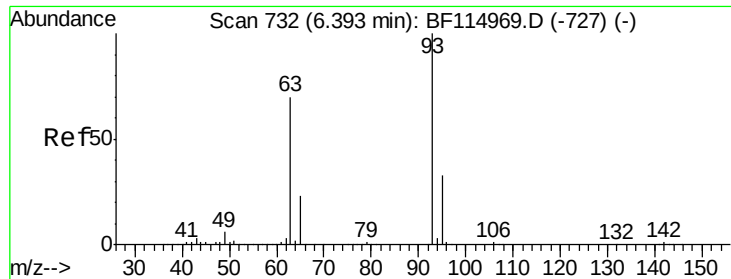


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

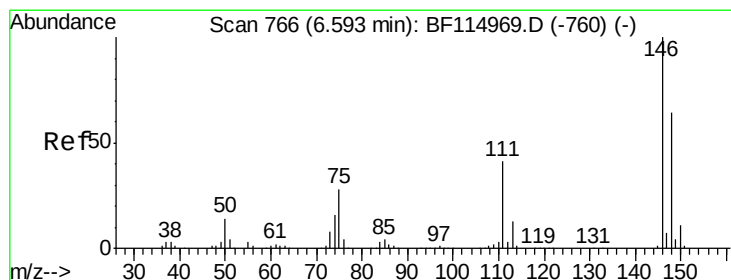
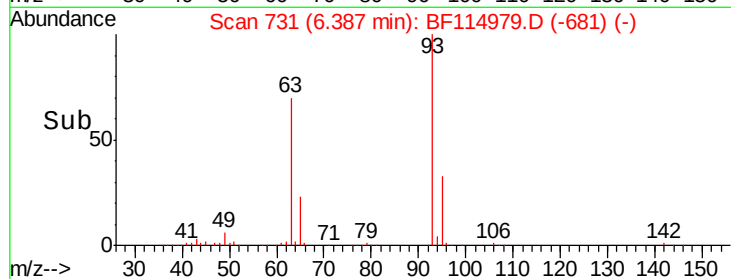
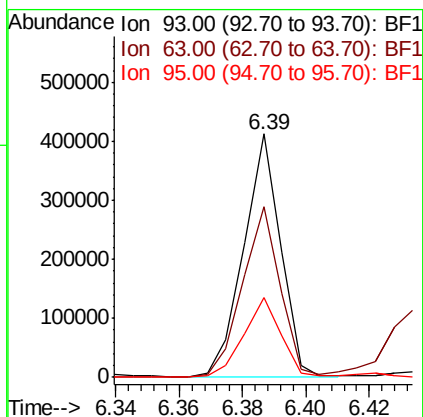
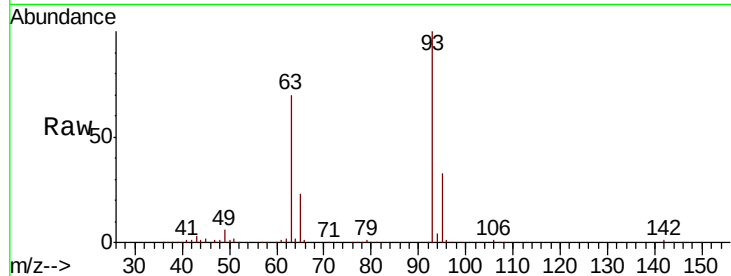




#11
bis(2-Chloroethyl)ether
Concen: 19.158 ng
RT: 6.39 min Scan# 731
Delta R.T. -0.01 min
Lab File: BF114979.D
Acq: 12 Jun 2019 17:17

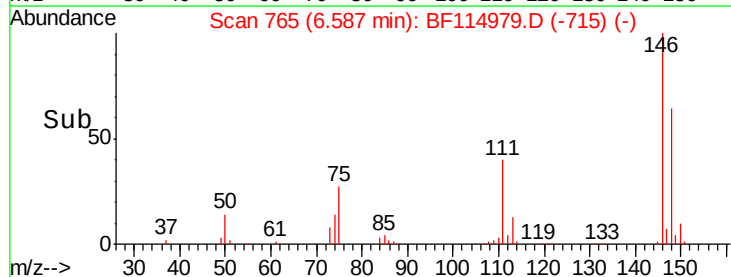
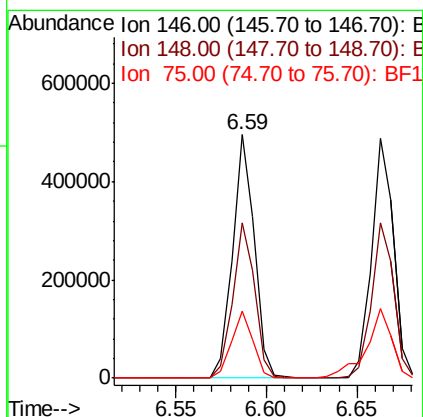
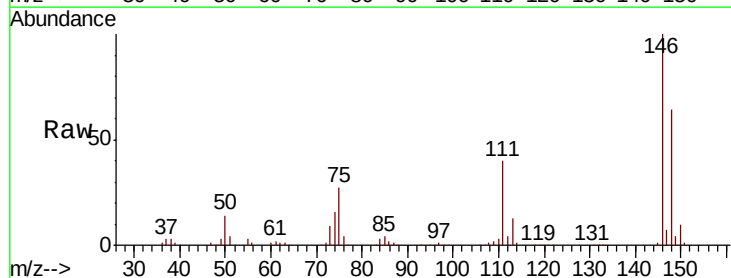
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2019

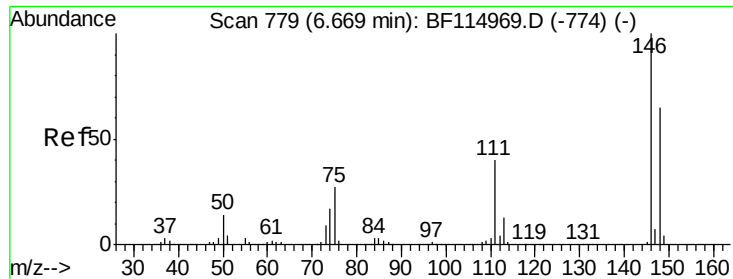
Tgt Ion	Ratio	Lower	Upper
93	100		
63	69.9	49.8	89.8
95	32.8	13.3	53.3



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

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

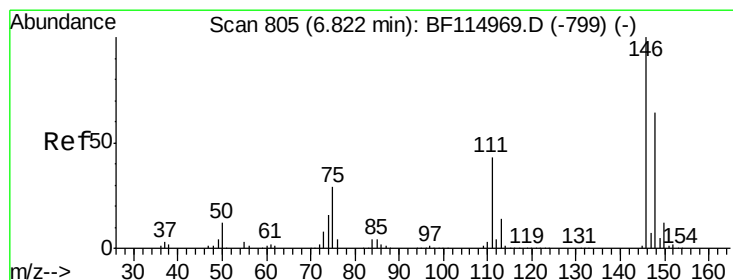
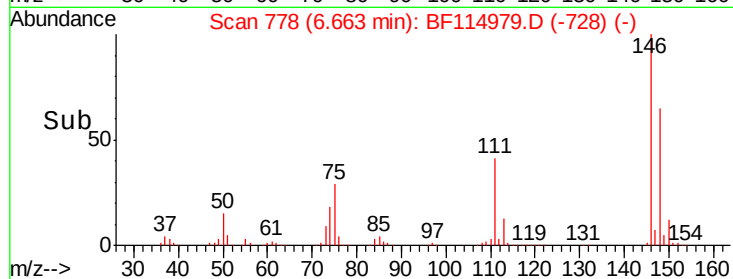
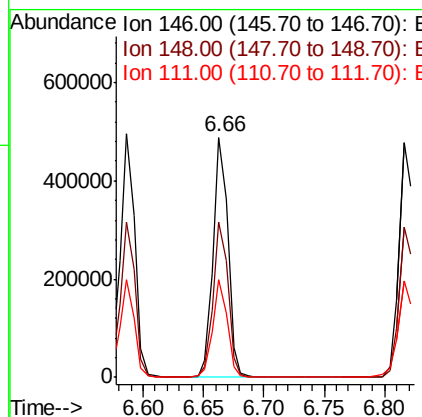
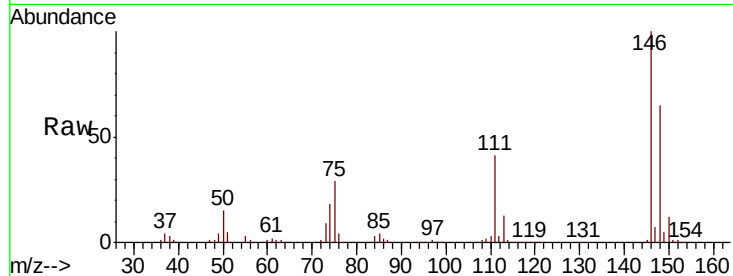




#13
 1,4-Dichlorobenzene
 Concen: 18.994 ng
 RT: 6.66 min Scan# 778
 Delta R.T. -0.01 min
 Lab File: BF114979.D
 Acq: 12 Jun 2019 17:17

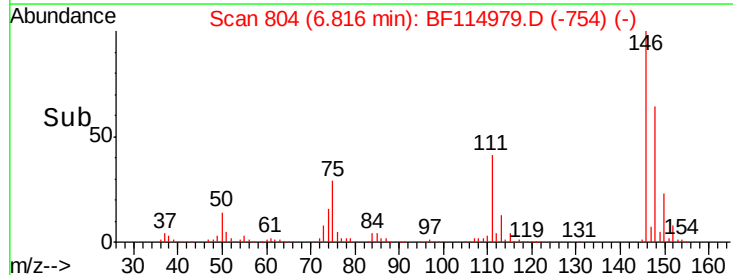
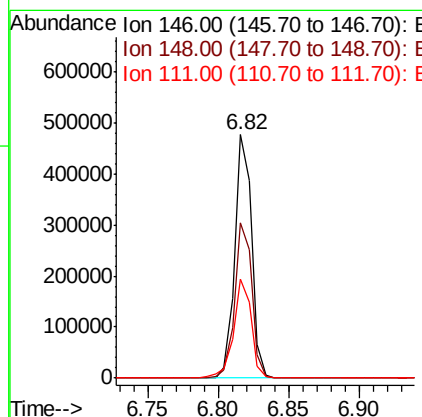
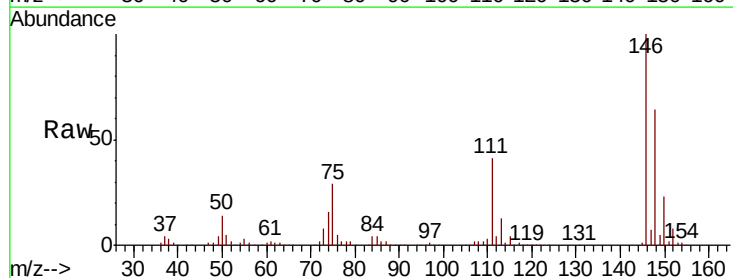
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT2-2019

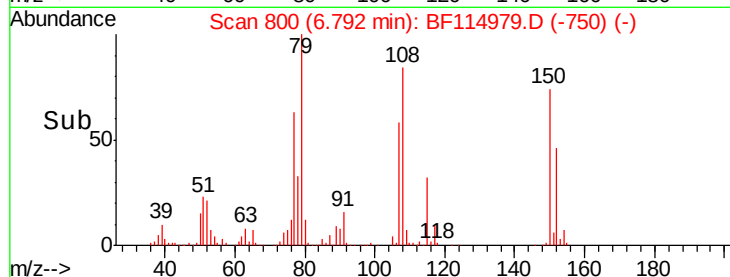
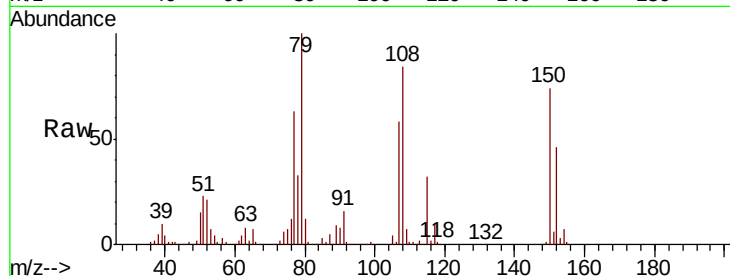
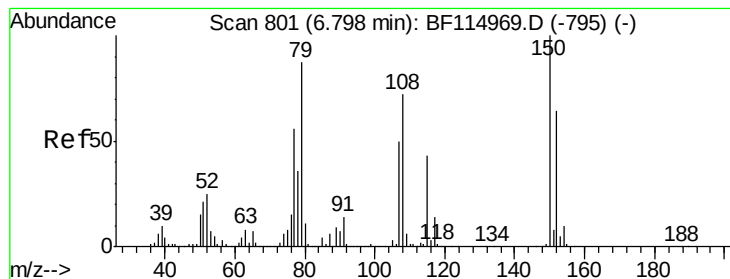
Tgt Ion:146 Resp: 416452
 Ion Ratio Lower Upper
 146 100
 148 65.0 52.2 78.2
 111 41.0 32.4 48.6



#14
 1,2-Dichlorobenzene
 Concen: 19.209 ng
 RT: 6.82 min Scan# 804
 Delta R.T. -0.01 min
 Lab File: BF114979.D
 Acq: 12 Jun 2019 17:17

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





#15

Benzyl Alcohol

Concen: 19.993 ng

RT: 6.79 min Scan# 800

Delta R.T. -0.01 min

Lab File: BF114979.D

Acq: 12 Jun 2019 17:17

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2019

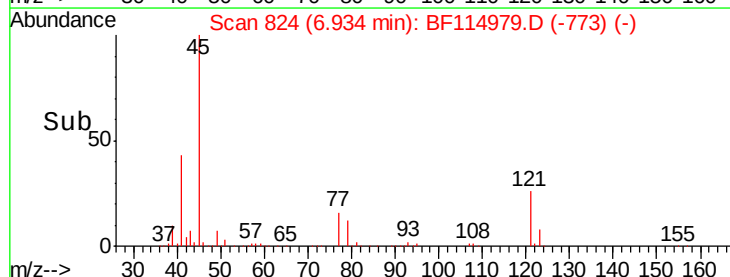
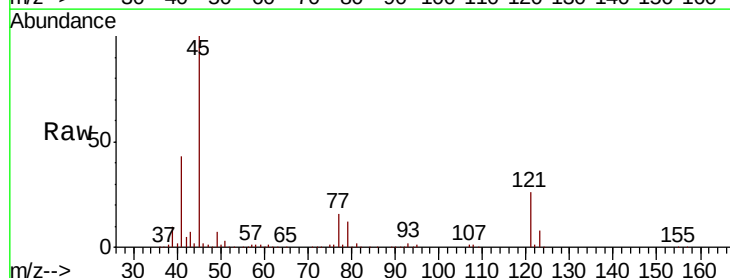
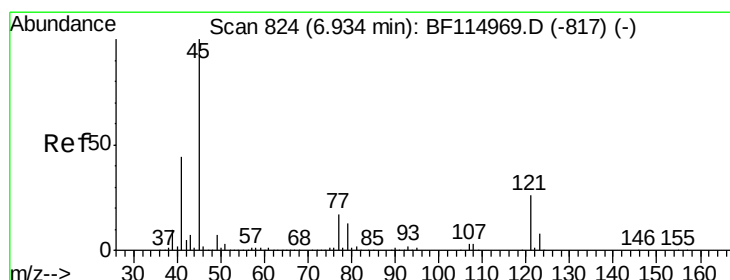
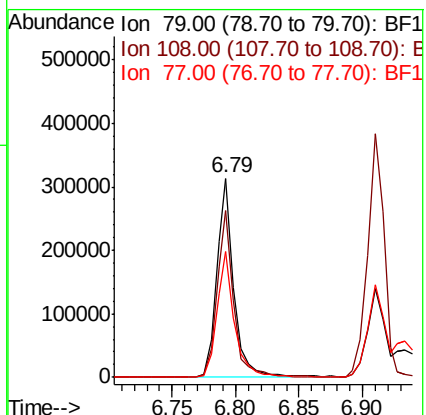
Tgt Ion: 79 Resp: 297535

Ion Ratio Lower Upper

79 100

108 83.7 66.0 99.0

77 63.4 51.1 76.7



#16

2,2'-oxybis(1-Chloropropane)

Concen: 19.223 ng

RT: 6.93 min Scan# 824

Delta R.T. -0.00 min

Lab File: BF114979.D

Acq: 12 Jun 2019 17:17

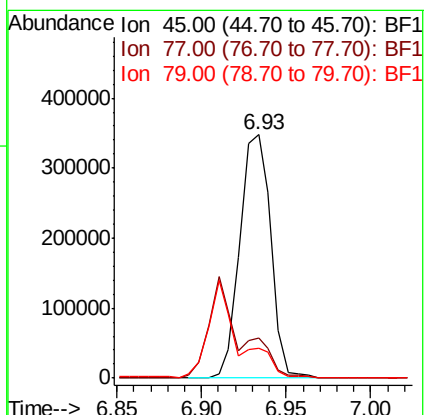
Tgt Ion: 45 Resp: 443784

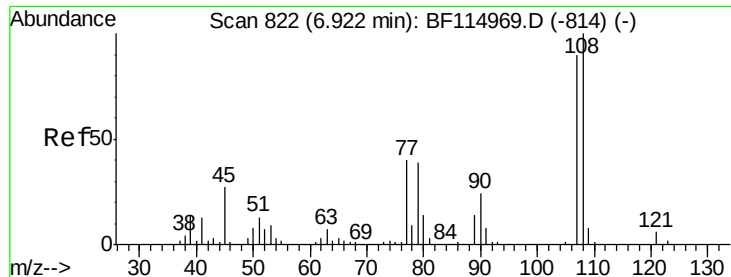
Ion Ratio Lower Upper

45 100

77 16.3 0.0 37.0

79 12.4 0.0 33.1

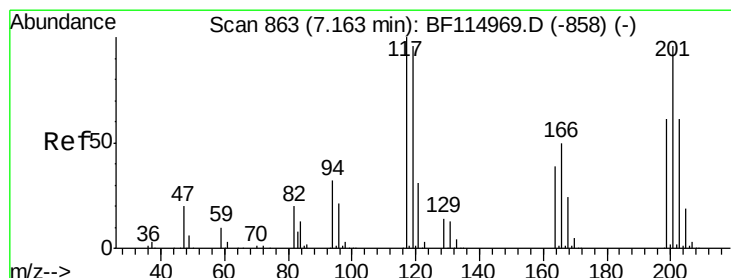
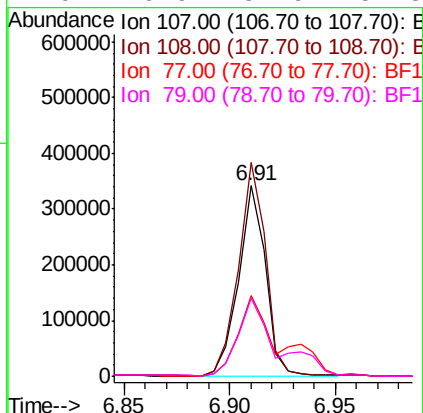
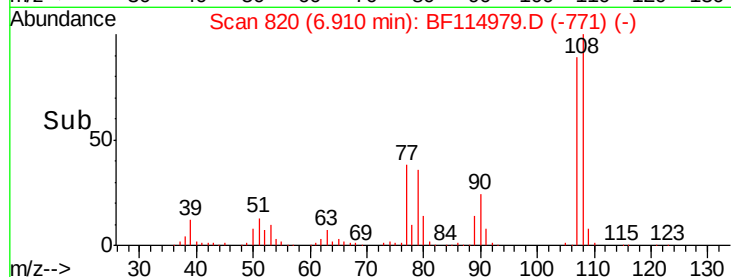
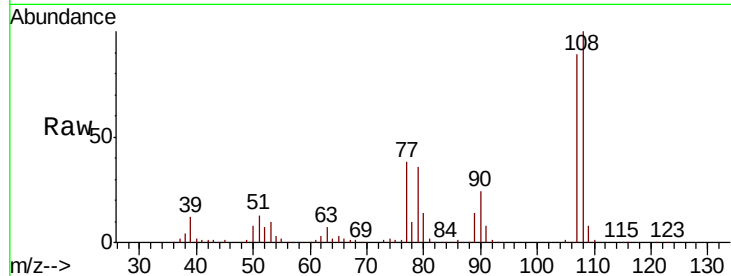




#17
2-Methylphenol
Concen: 19.279 ng
RT: 6.91 min Scan# 820
Delta R.T. -0.01 min
Lab File: BF114979.D
Acq: 12 Jun 2019 17:17

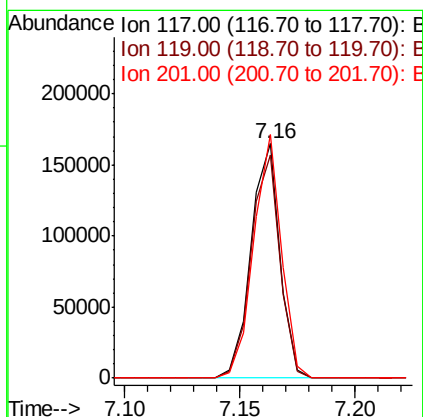
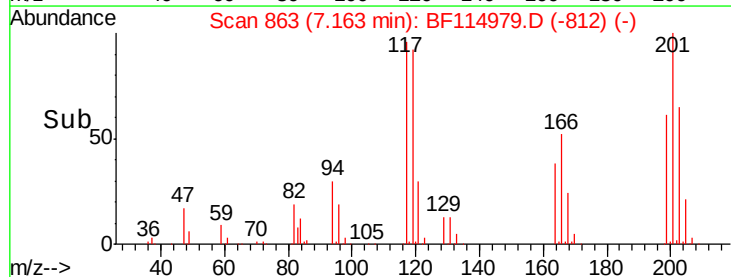
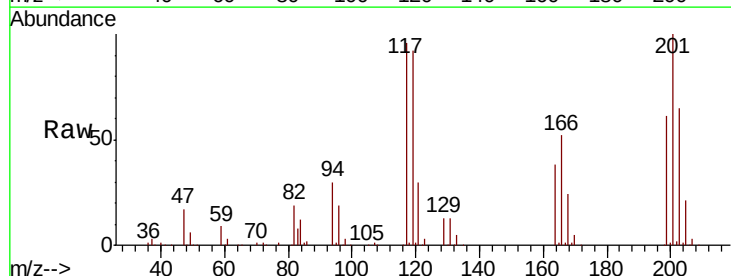
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2019

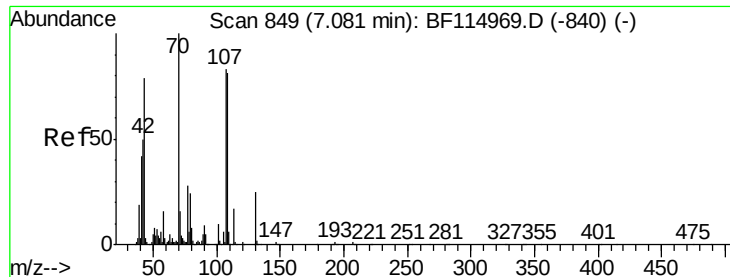
Tgt Ion:	107	Resp:	300247
Ion	Ratio	Lower	Upper
107	100		
108	112.3	89.3	133.9
77	42.7	35.4	53.2
79	40.9	34.9	52.3



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

Tgt Ion:	117	Resp:	143754
Ion	Ratio	Lower	Upper
117	100		
119	95.5	77.0	115.4
201	104.0	76.6	115.0

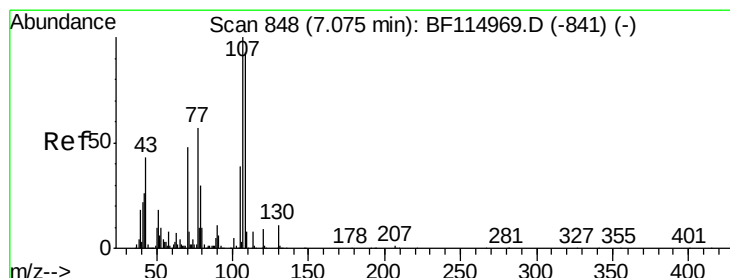
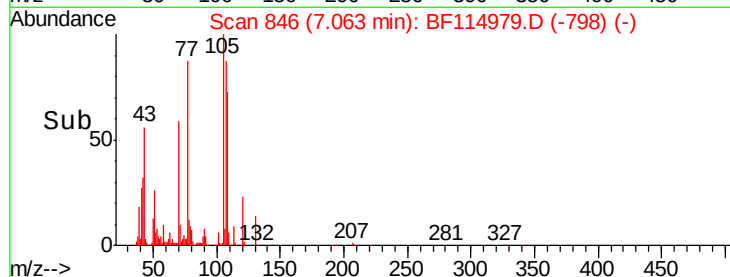
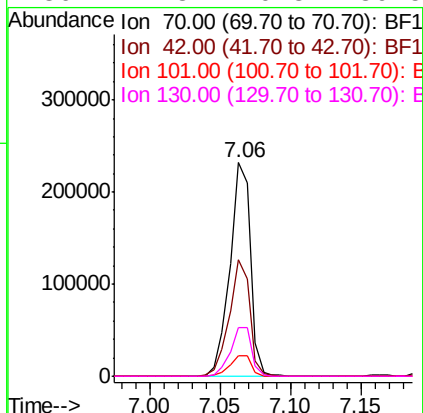
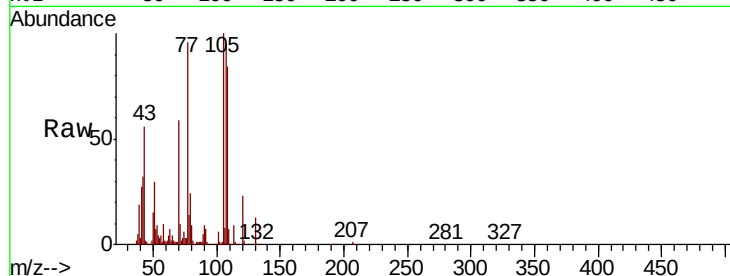




#19
n-Nitroso-di-n-propylamine
Concen: 19.551 ng
RT: 7.06 min Scan# 846
Delta R.T. -0.02 min
Lab File: BF114979.D
Acq: 12 Jun 2019 17:17

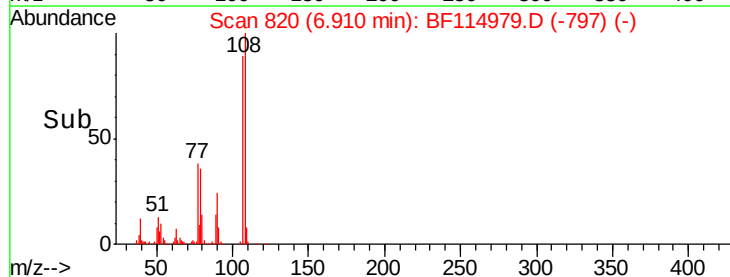
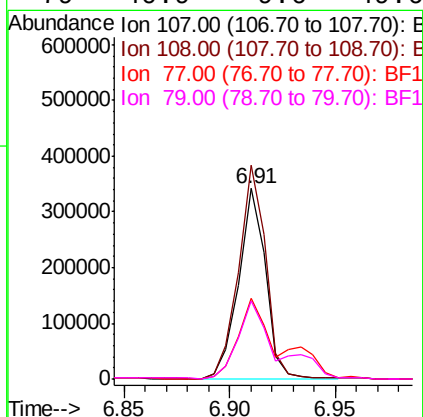
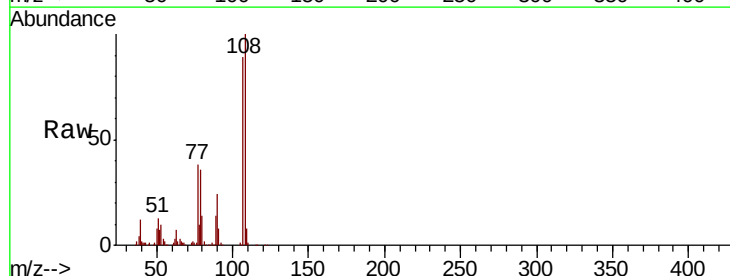
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2019

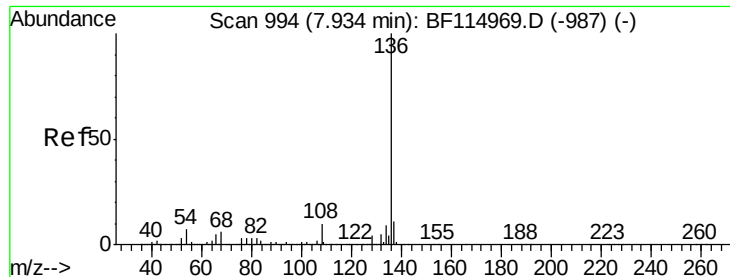
Tgt Ion:	70	Resp:	235945
Ion	Ratio	Lower	Upper
70	100		
42	54.4	40.3	60.5
101	9.7	8.2	12.4
130	22.8	20.3	30.5



#20
3+4-Methylphenols
Concen: 16.199 ng
RT: 6.91 min Scan# 820
Delta R.T. -0.16 min
Lab File: BF114979.D
Acq: 12 Jun 2019 17:17

Tgt Ion:	107	Resp:	300247
Ion	Ratio	Lower	Upper
107	100		
108	112.3	73.1	113.1
77	42.7	37.3	77.3
79	40.9	9.6	49.6

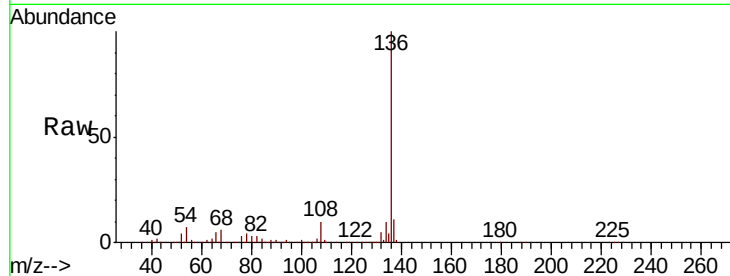




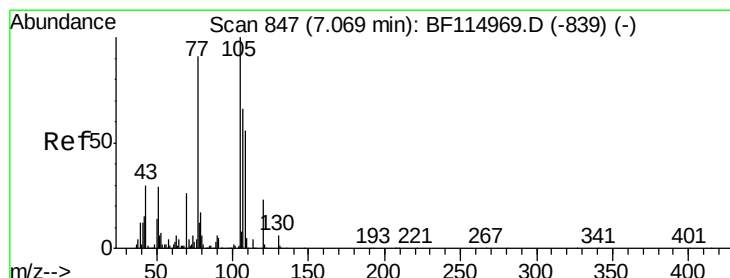
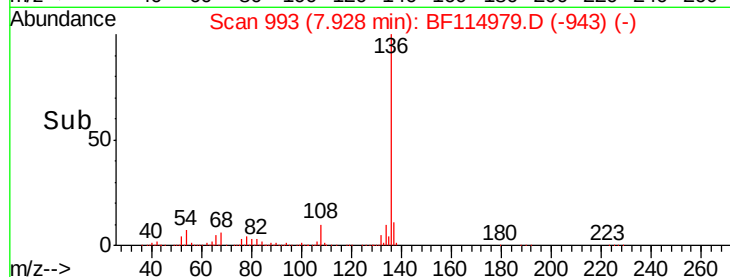
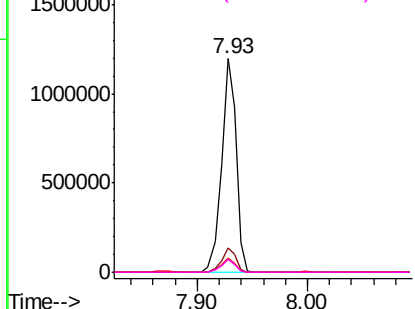
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.93 min Scan# 993
Delta R.T. -0.01 min
Lab File: BF114979.D
Acq: 12 Jun 2019 17:17

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

Tgt Ion:	136	Resp:	1101808
Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.0	13.4
54	6.8	5.4	8.0
68	6.0	4.6	7.0

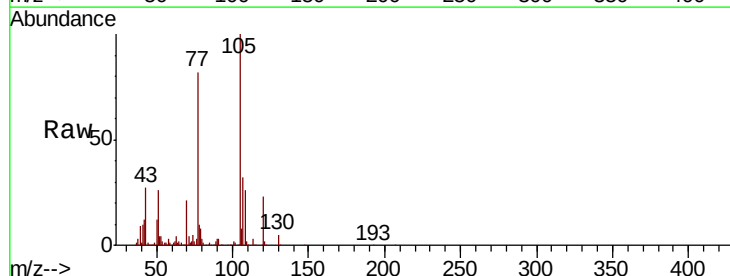


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

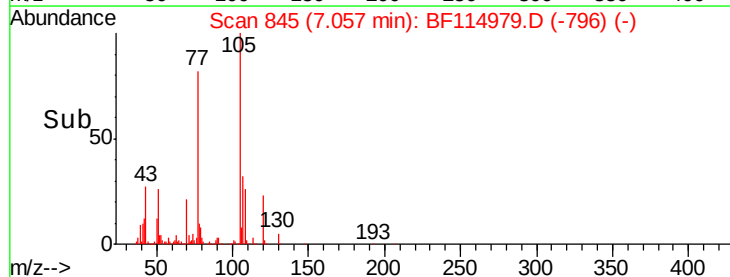
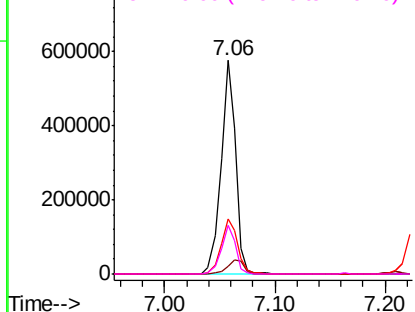


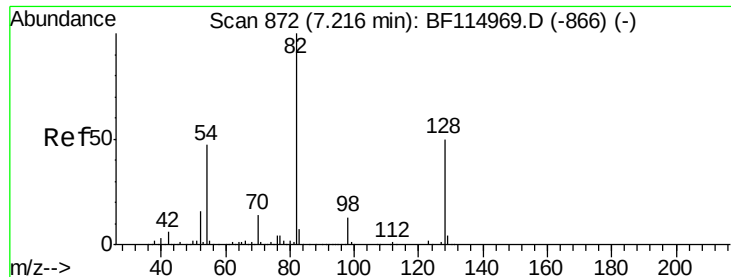
#22
Acetophenone
Concen: 21.221 ng
RT: 7.06 min Scan# 845
Delta R.T. -0.01 min
Lab File: BF114979.D
Acq: 12 Jun 2019 17:17

Tgt Ion:	105	Resp:	529270
Ion	Ratio	Lower	Upper
105	100		
71	3.6	3.4	5.2
51	25.8	23.3	34.9
120	23.0	18.8	28.2



Abundance Ion 105.00 (104.70 to 105.70): E
Ion 71.00 (70.70 to 71.70): BF1
Ion 51.00 (50.70 to 51.70): BF1
Ion 120.00 (119.70 to 120.70): E

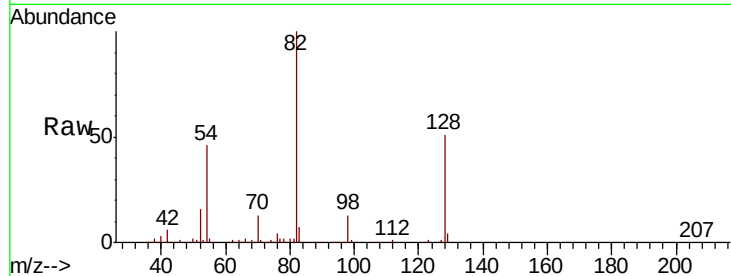




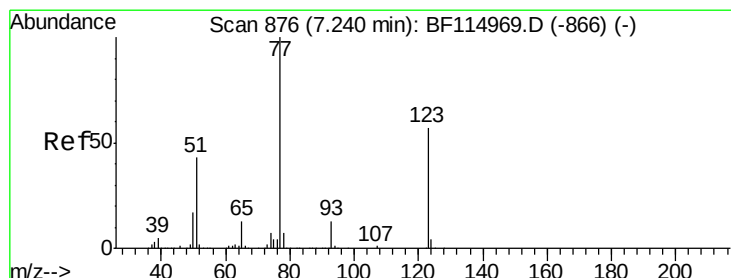
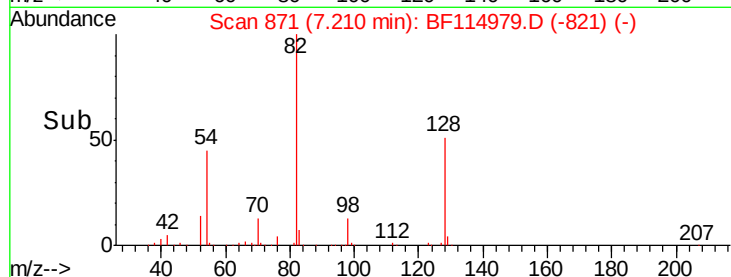
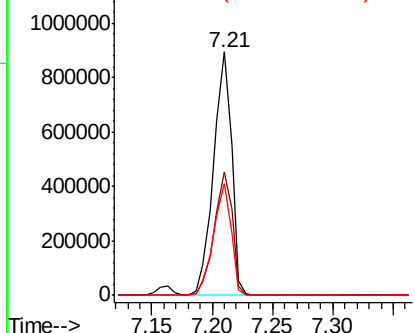
#23
 Nitrobenzene-d5
 Concen: 50.142 ng
 RT: 7.21 min Scan# 871
 Delta R.T. -0.01 min
 Lab File: BF114979.D
 Acq: 12 Jun 2019 17:17

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

Tgt Ion	Resp	Lower	Upper
82	917843		
128	50.7	39.9	59.9
54	46.1	37.3	55.9

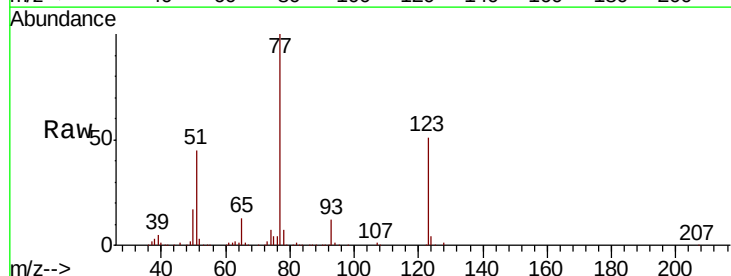


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

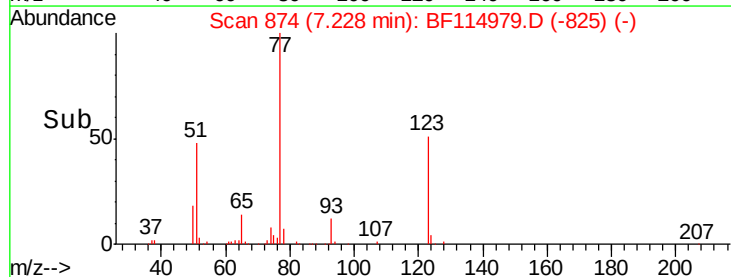
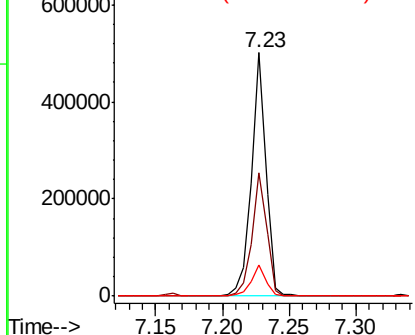


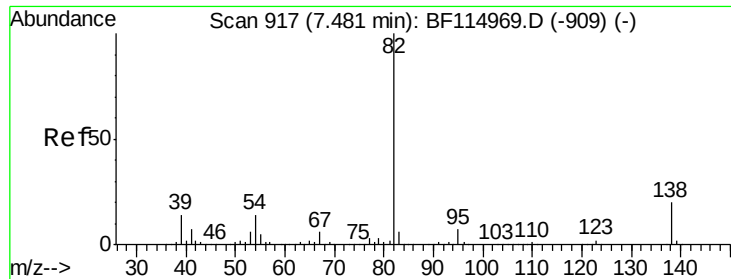
#24
 Nitrobenzene
 Concen: 19.821 ng
 RT: 7.23 min Scan# 874
 Delta R.T. -0.01 min
 Lab File: BF114979.D
 Acq: 12 Jun 2019 17:17

Tgt Ion	Resp	Lower	Upper
77	369153		
123	50.9	45.5	68.3
65	12.5	10.3	15.5



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

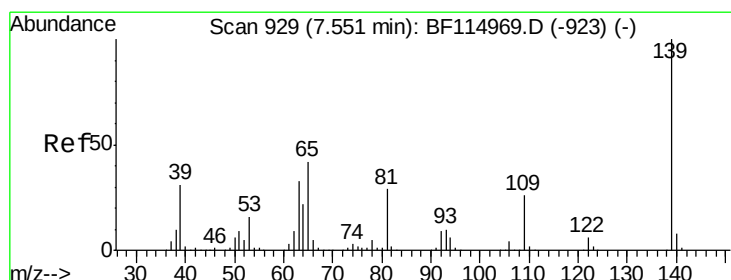
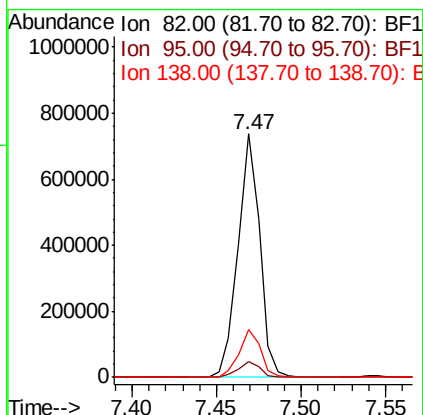
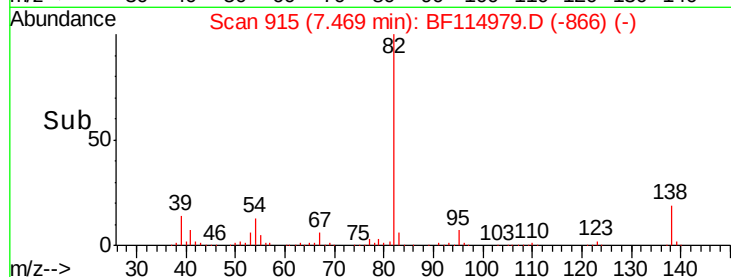
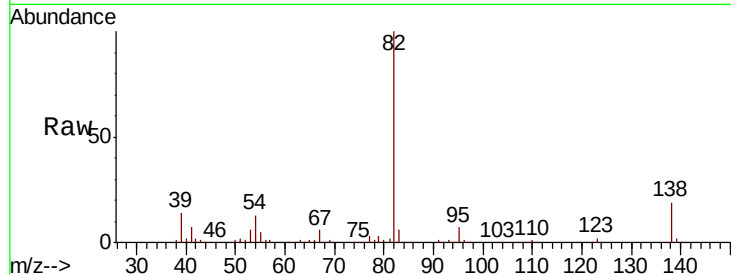




#25
Isophorone
Concen: 19.314 ng
RT: 7.47 min Scan# 915
Delta R.T. -0.01 min
Lab File: BF114979.D
Acq: 12 Jun 2019 17:17

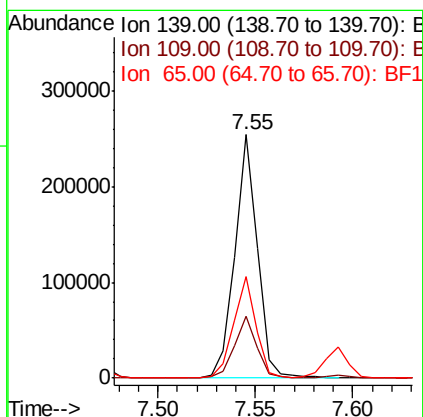
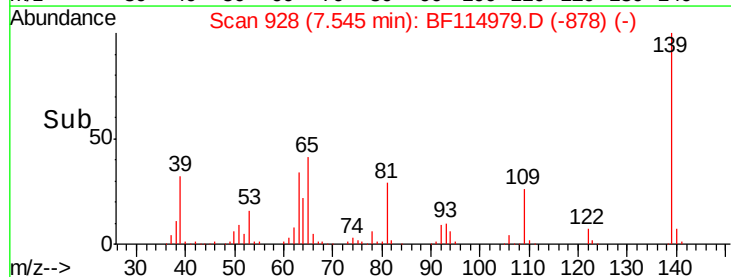
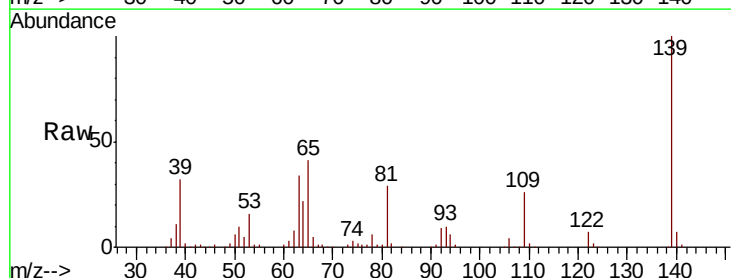
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2019

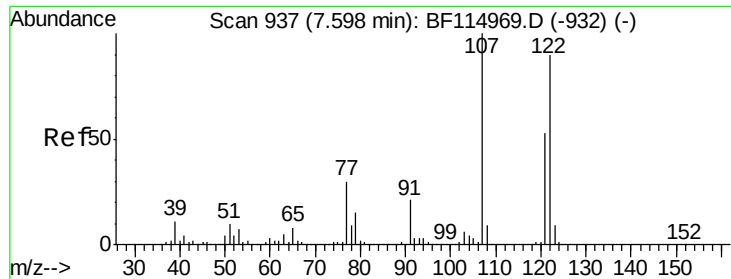
Tgt Ion: 82 Resp: 662164
Ion Ratio Lower Upper
82 100
95 6.7 5.6 8.4
138 19.4 16.1 24.1



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

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

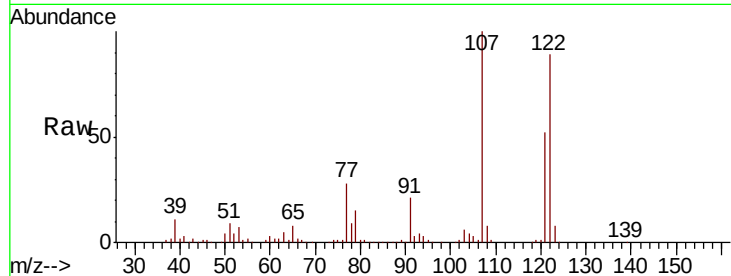




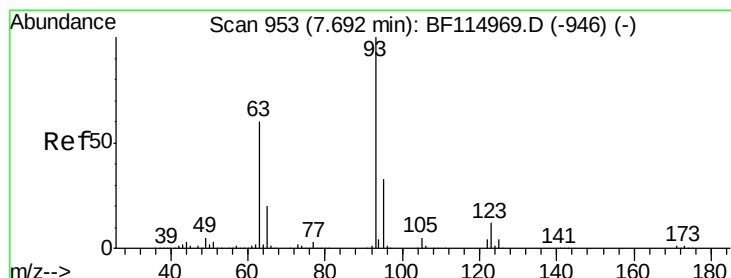
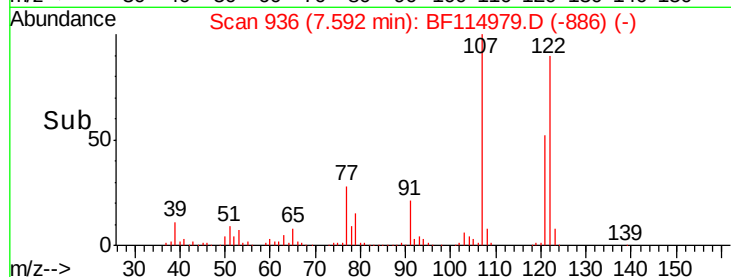
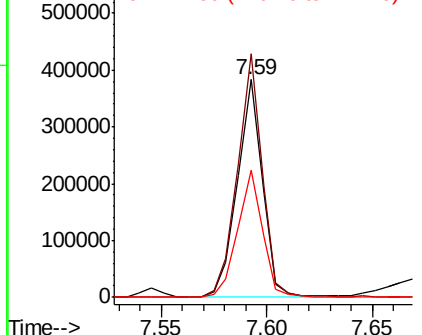
#27
2,4-Dimethylphenol
Concen: 21.041 ng
RT: 7.59 min Scan# 936
Delta R.T. -0.01 min
Lab File: BF114979.D
Acq: 12 Jun 2019 17:17

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

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

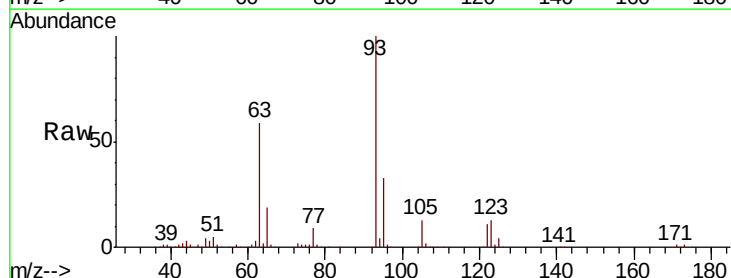


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 107.00 (106.70 to 107.70): E
Ion 121.00 (120.70 to 121.70): E

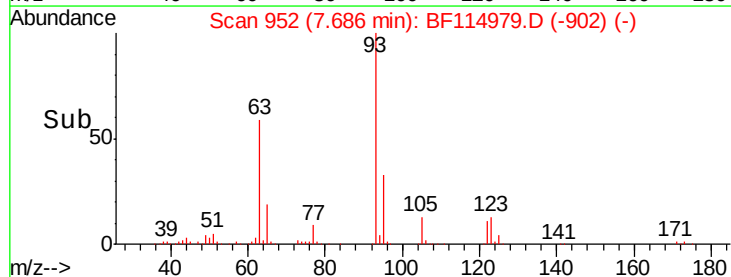
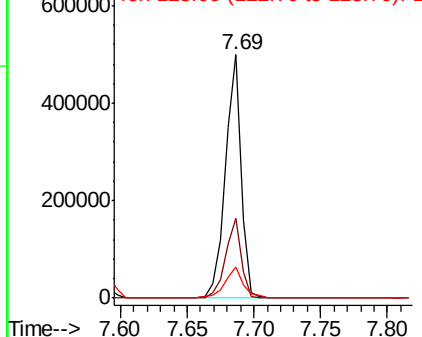


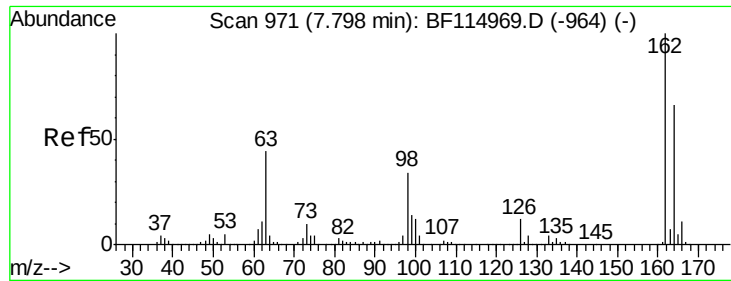
#28
bis(2-Chloroethoxy)methane
Concen: 19.005 ng
RT: 7.69 min Scan# 952
Delta R.T. -0.01 min
Lab File: BF114979.D
Acq: 12 Jun 2019 17:17

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



Abundance Ion 93.00 (92.70 to 93.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 123.00 (122.70 to 123.70): E

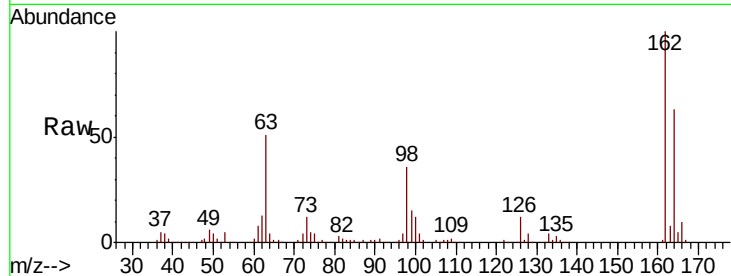




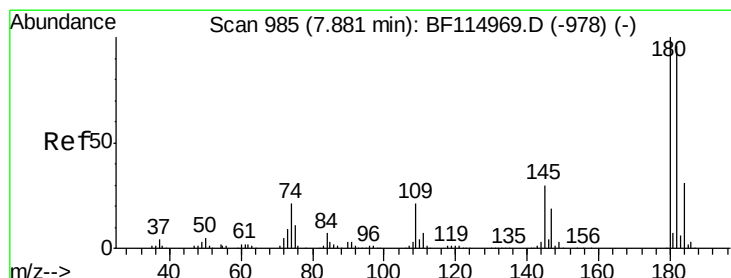
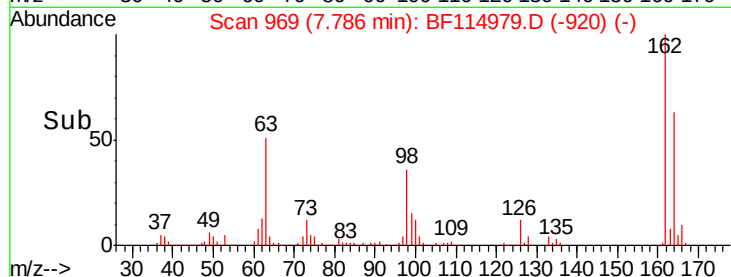
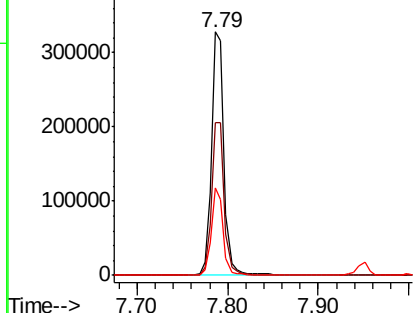
#29
2,4-Dichlorophenol
Concen: 20.116 ng
RT: 7.79 min Scan# 969
Delta R.T. -0.01 min
Lab File: BF114979.D
Acq: 12 Jun 2019 17:17

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

Tgt Ion:162 Resp: 318233
Ion Ratio Lower Upper
162 100
164 63.0 45.7 85.7
98 36.1 14.0 54.0

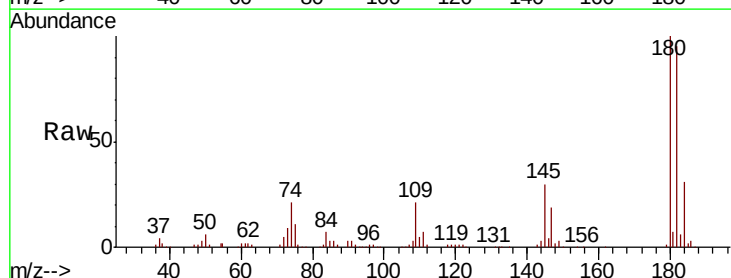


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): BF1

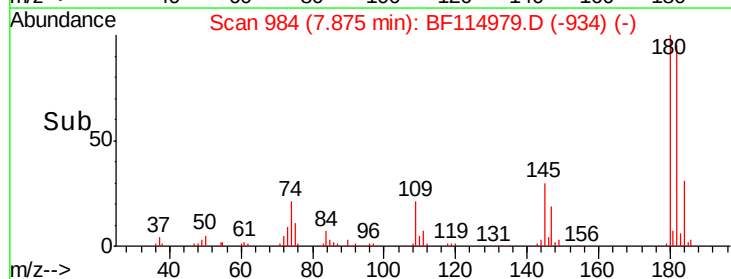
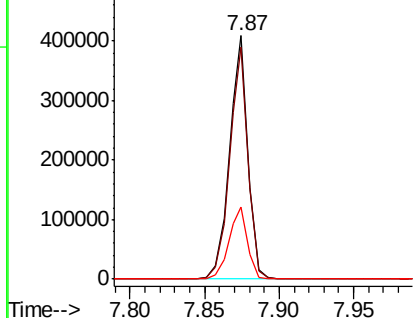


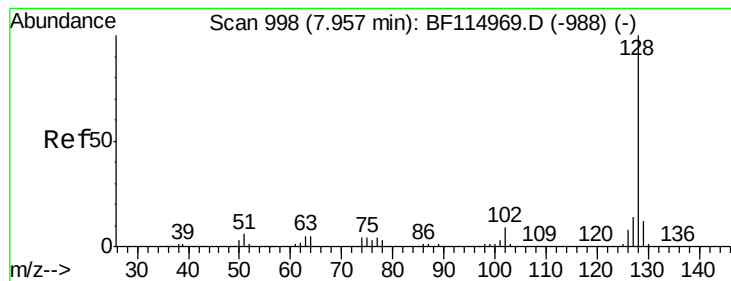
#30
1,2,4-Trichlorobenzene
Concen: 19.362 ng
RT: 7.87 min Scan# 984
Delta R.T. -0.01 min
Lab File: BF114979.D
Acq: 12 Jun 2019 17:17

Tgt Ion:180 Resp: 353932
Ion Ratio Lower Upper
180 100
182 95.1 76.7 115.1
145 29.9 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: 21.126 ng

RT: 7.95 min Scan# 997

Delta R.T. -0.01 min

Lab File: BF114979.D

Acq: 12 Jun 2019 17:17

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2019

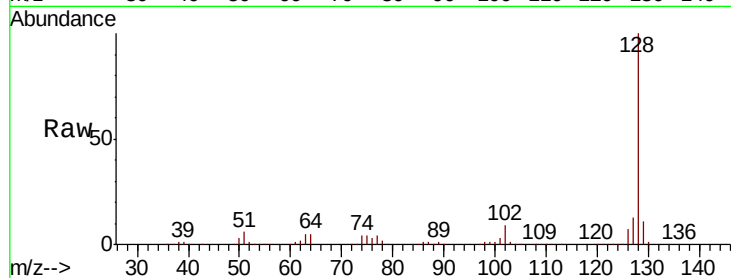
Tgt Ion:128 Resp: 1101308

Ion Ratio Lower Upper

128 100

129 11.3 9.5 14.3

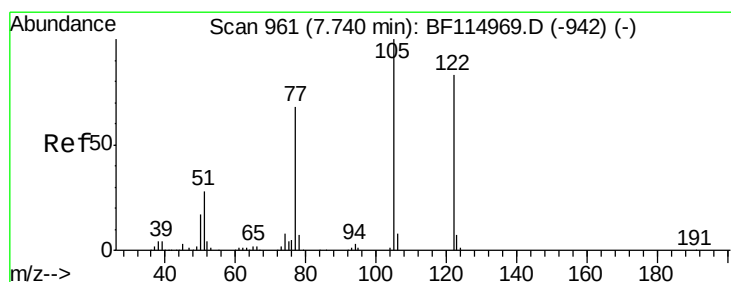
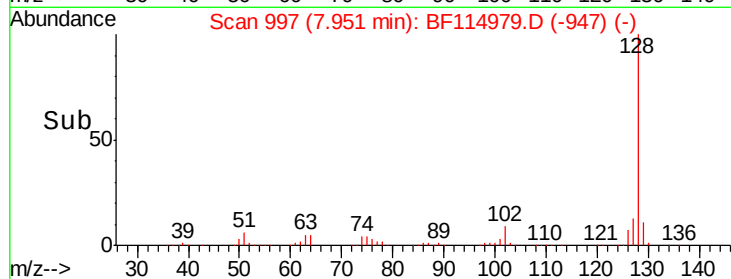
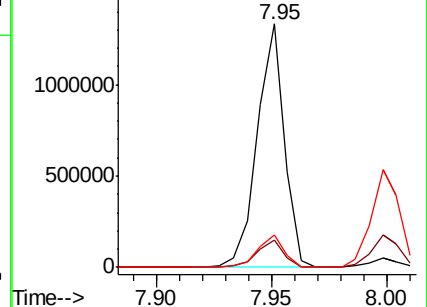
127 13.1 11.5 17.3



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 17.491 ng

RT: 7.70 min Scan# 954

Delta R.T. -0.04 min

Lab File: BF114979.D

Acq: 12 Jun 2019 17:17

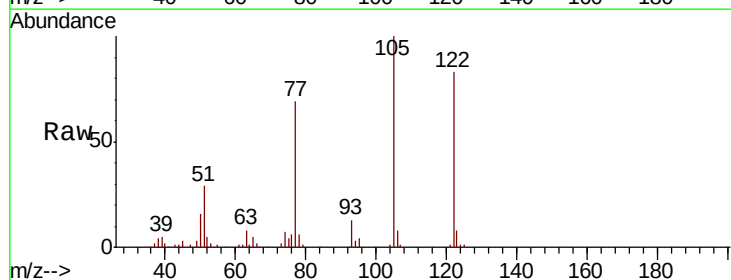
Tgt Ion:122 Resp: 189519

Ion Ratio Lower Upper

122 100

105 119.8 98.6 138.6

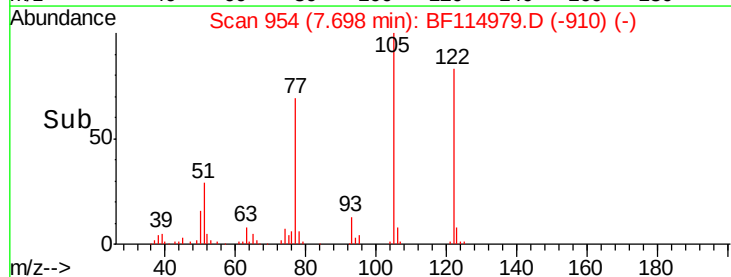
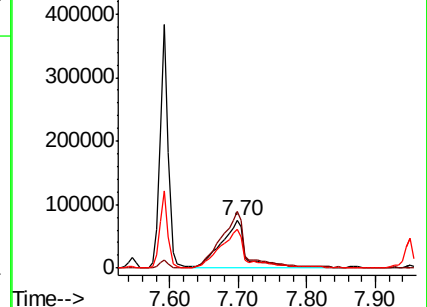
77 82.7 60.9 100.9

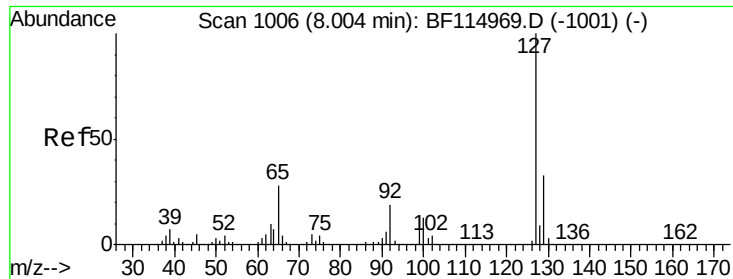


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

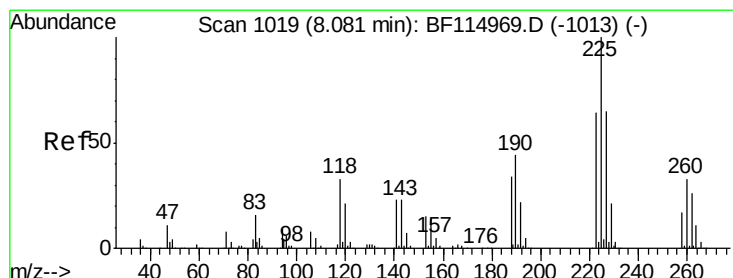
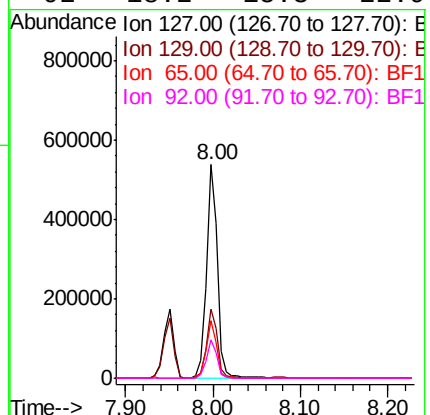
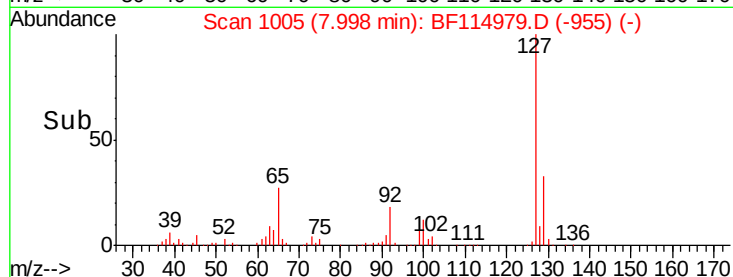
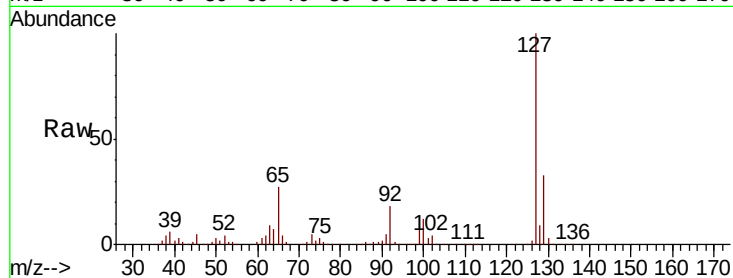




#33
4-Chloroaniline
Concen: 19.460 ng
RT: 8.00 min Scan# 1005
Delta R.T. -0.01 min
Lab File: BF114979.D
Acq: 12 Jun 2019 17:17

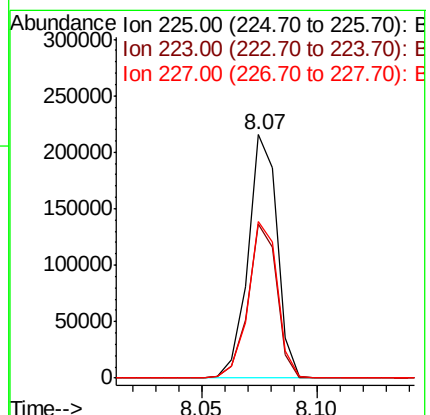
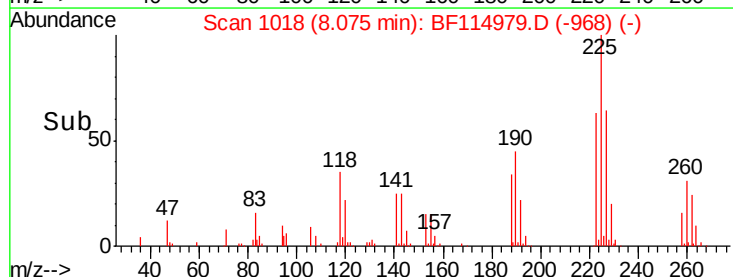
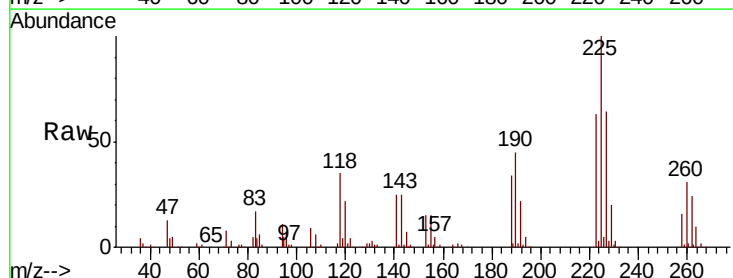
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2019

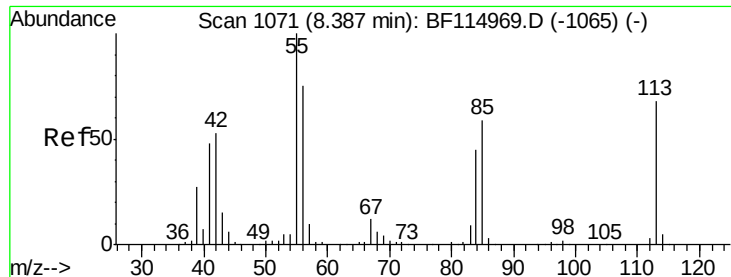
Tgt Ion:	127	Resp:	468276
Ion	Ratio	Lower	Upper
127	100		
129	32.6	26.1	39.1
65	27.0	22.3	33.5
92	18.2	15.3	22.9



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

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

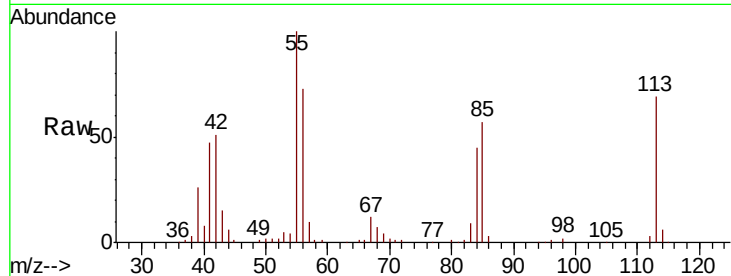




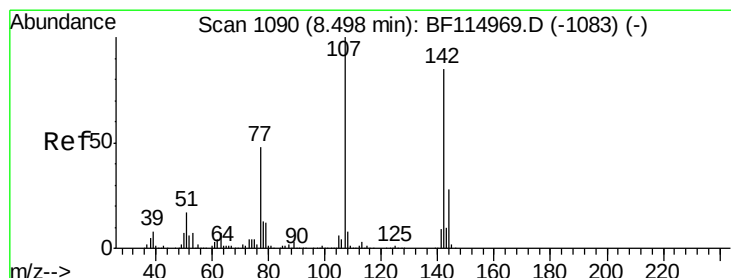
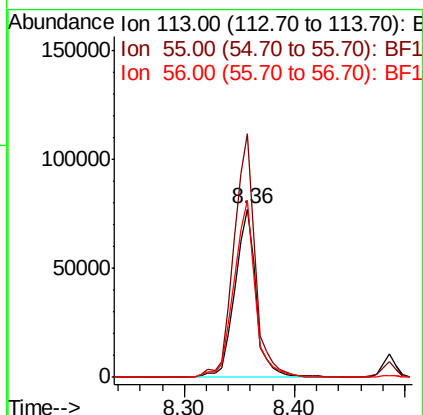
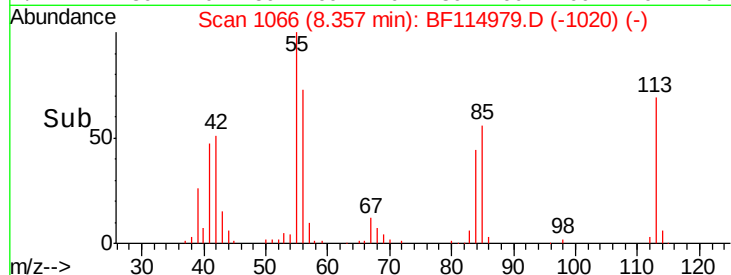
#35
 Caprolactam
 Concen: 19.696 ng
 RT: 8.36 min Scan# 1066
 Delta R.T. -0.03 min
 Lab File: BF114979.D
 Acq: 12 Jun 2019 17:17

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

Tgt Ion:113 Resp: 103781
 Ion Ratio Lower Upper
 113 100
 55 144.7 127.3 167.3
 56 105.5 90.6 130.6

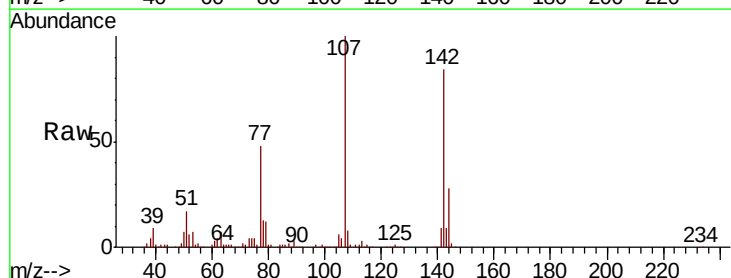


Abundance Ion 113.00 (112.70 to 113.70): E
 150000 Ion 55.00 (54.70 to 55.70): BF1
 Ion 56.00 (55.70 to 56.70): BF1

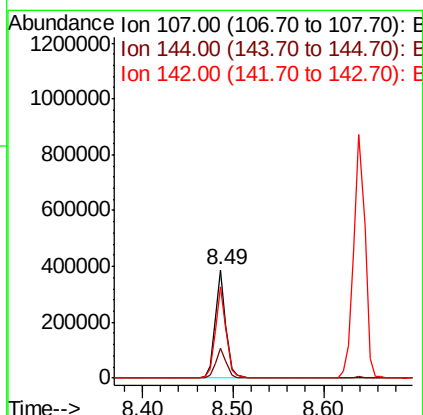
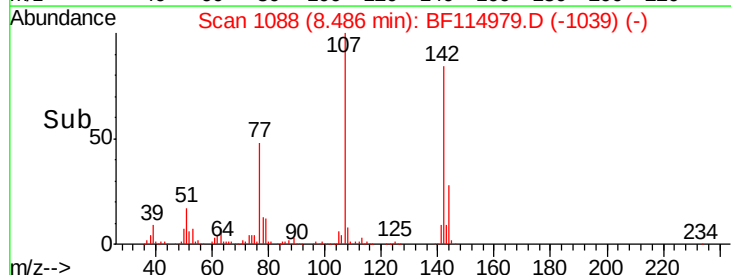


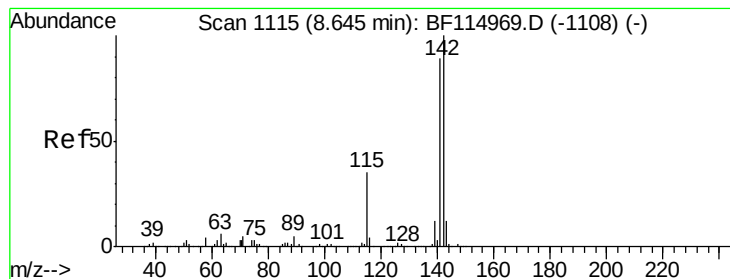
#36
 4-Chloro-3-methylphenol
 Concen: 20.005 ng
 RT: 8.49 min Scan# 1088
 Delta R.T. -0.01 min
 Lab File: BF114979.D
 Acq: 12 Jun 2019 17:17

Tgt Ion:107 Resp: 318930
 Ion Ratio Lower Upper
 107 100
 144 27.5 22.0 33.0
 142 84.1 68.2 102.4



Abundance Ion 107.00 (106.70 to 107.70): E
 1200000 Ion 144.00 (143.70 to 144.70): E
 Ion 142.00 (141.70 to 142.70): E





#37

2-Methylnaphthalene

Concen: 21.309 ng

RT: 8.64 min Scan# 1114

Delta R.T. -0.01 min

Lab File: BF114979.D

Acq: 12 Jun 2019 17:17

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2019

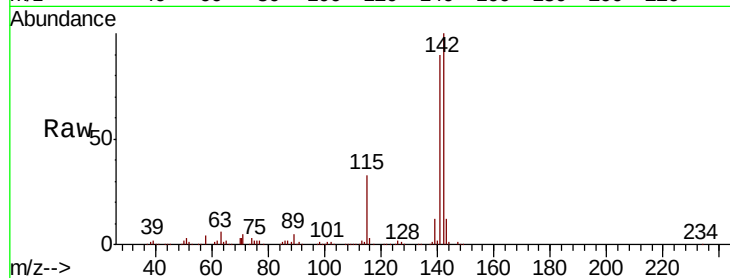
Tgt Ion:142 Resp: 740929

Ion Ratio Lower Upper

142 100

141 89.7 71.0 106.6

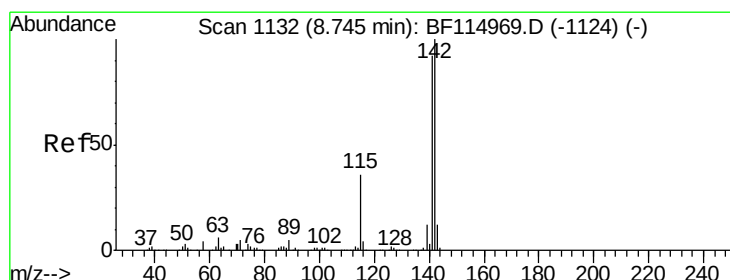
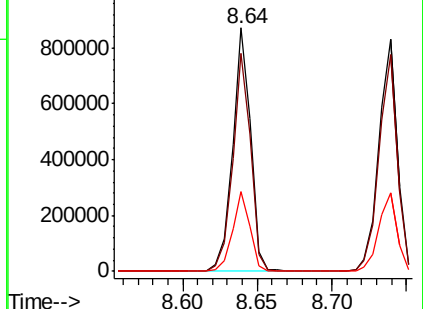
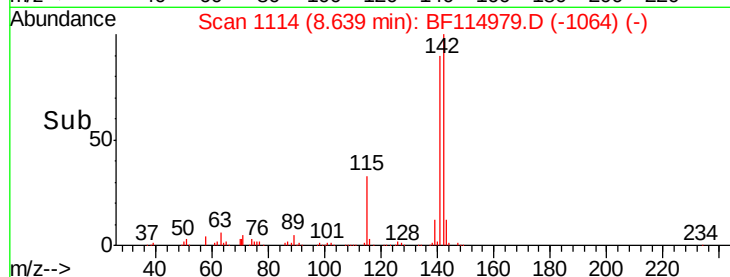
115 32.9 27.9 41.9



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

1-Methylnaphthalene

Concen: 21.186 ng

RT: 8.74 min Scan# 1131

Delta R.T. -0.01 min

Lab File: BF114979.D

Acq: 12 Jun 2019 17:17

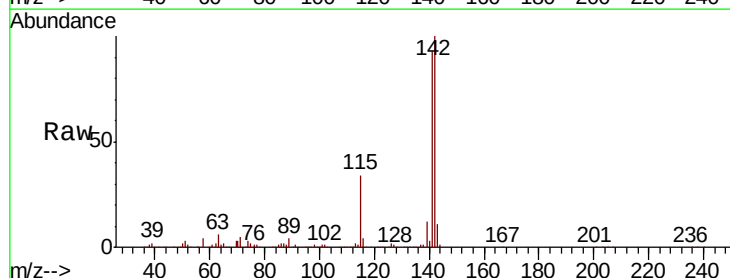
Tgt Ion:142 Resp: 696213

Ion Ratio Lower Upper

142 100

141 93.4 73.8 110.8

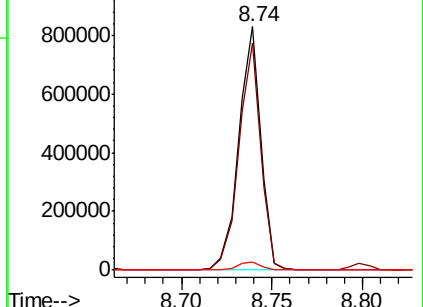
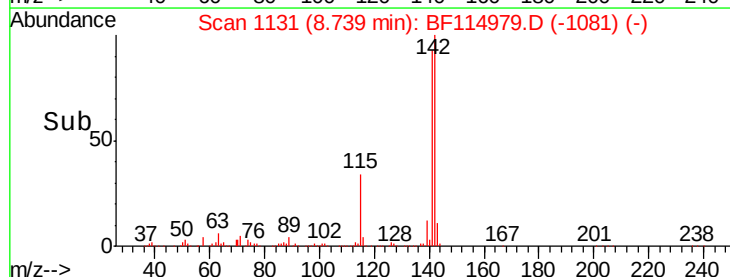
116 3.6 2.9 4.3

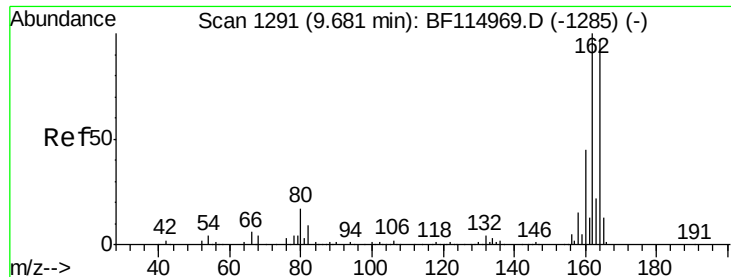


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E

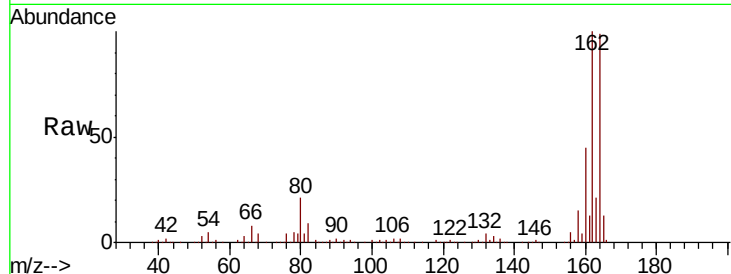




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.67 min Scan# 1290
Delta R.T. -0.01 min
Lab File: BF114979.D
Acq: 12 Jun 2019 17:17

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

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.5	82.6	124.0
160	45.6	36.9	55.3

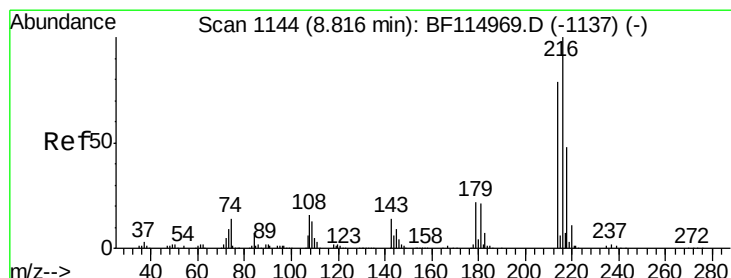
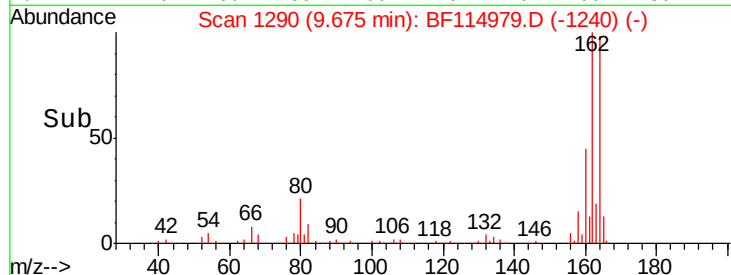
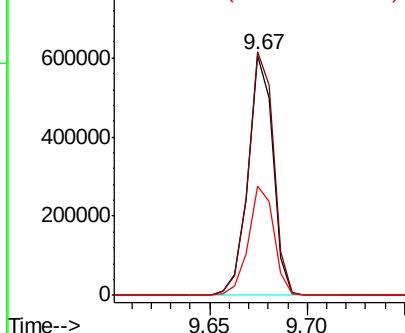


Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40
1,2,4,5-Tetrachlorobenzene
Concen: 21.407 ng
RT: 8.81 min Scan# 1143
Delta R.T. -0.01 min
Lab File: BF114979.D
Acq: 12 Jun 2019 17:17

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

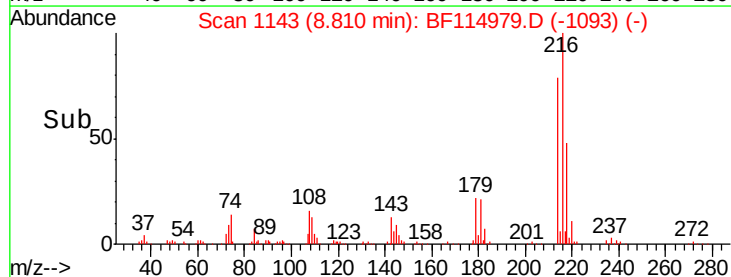
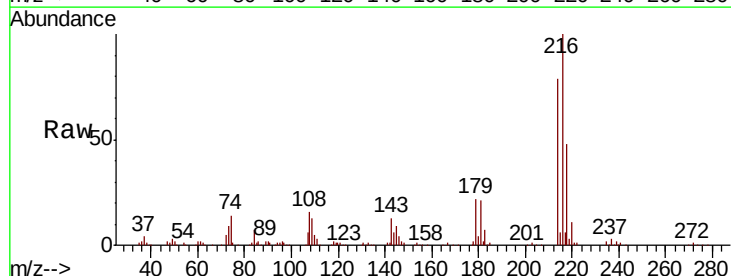
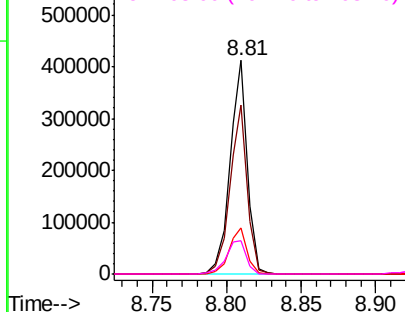
Abundance

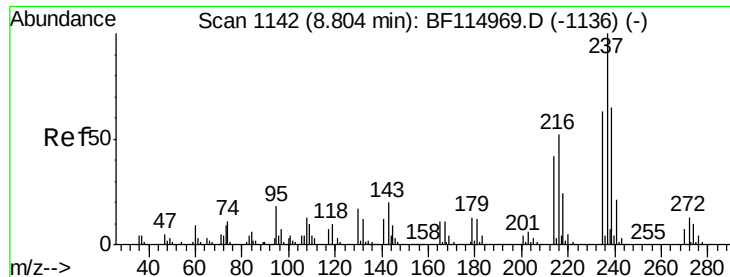
Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E

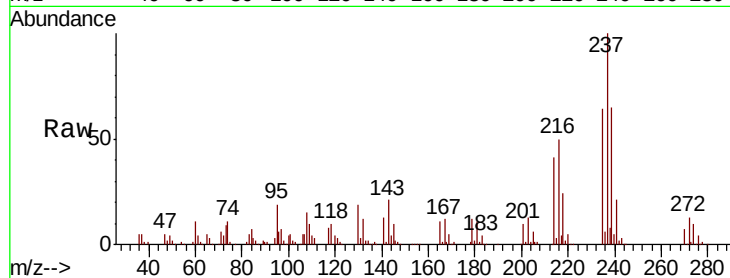




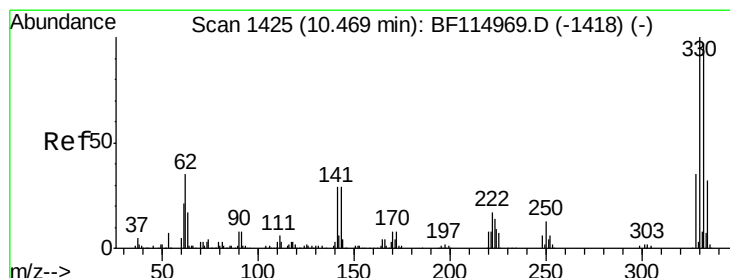
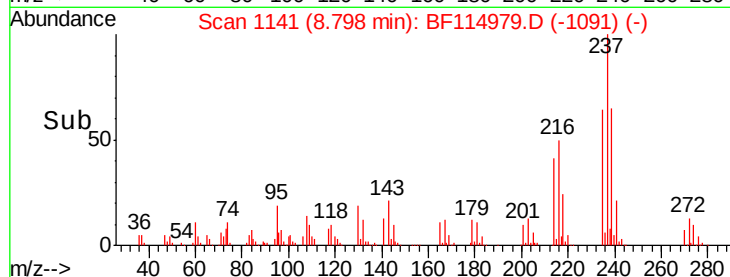
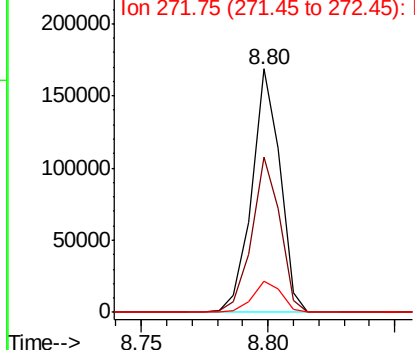
#41
Hexachlorocyclopentadiene
Concen: 16.884 ng
RT: 8.80 min Scan# 1141
Delta R.T. -0.01 min
Lab File: BF114979.D
Acq: 12 Jun 2019 17:17

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

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

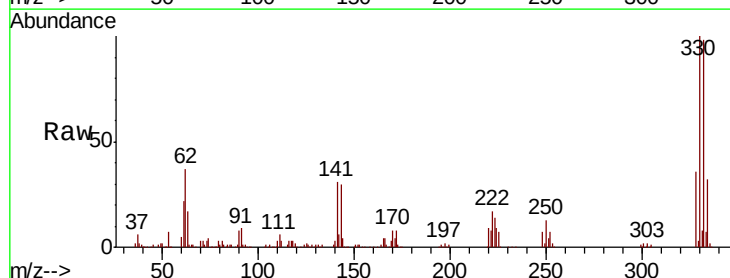


Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E

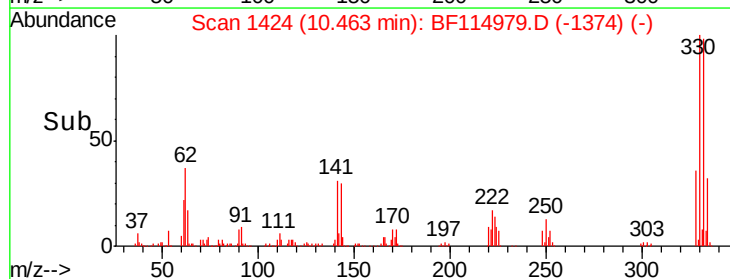
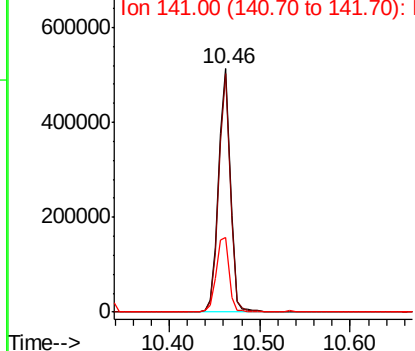


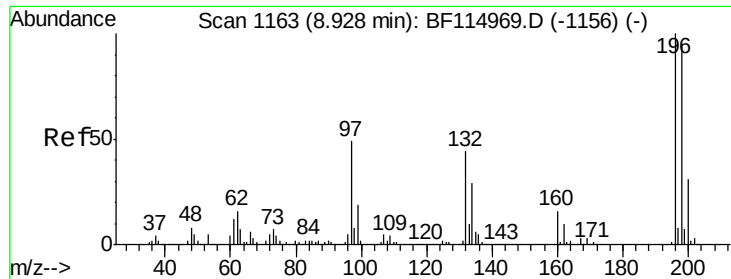
#42
2,4,6-Tribromophenol
Concen: 80.950 ng
RT: 10.46 min Scan# 1424
Delta R.T. -0.01 min
Lab File: BF114979.D
Acq: 12 Jun 2019 17:17

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



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

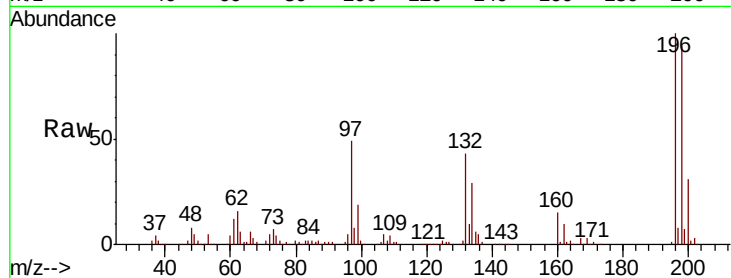




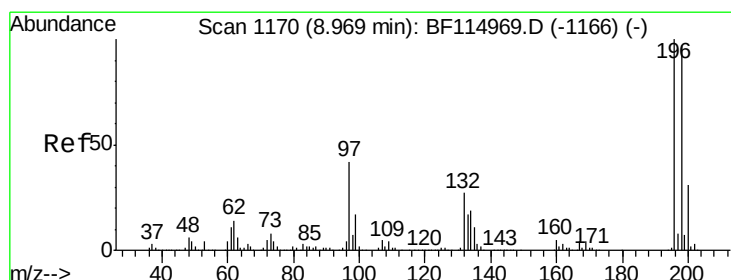
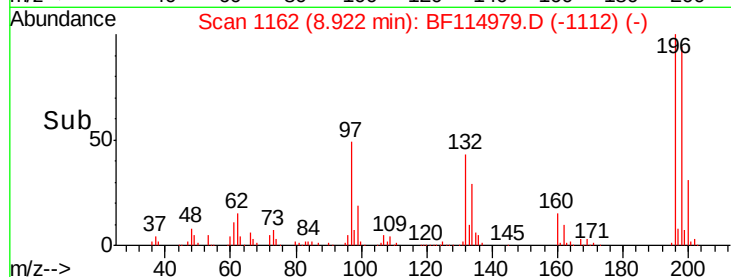
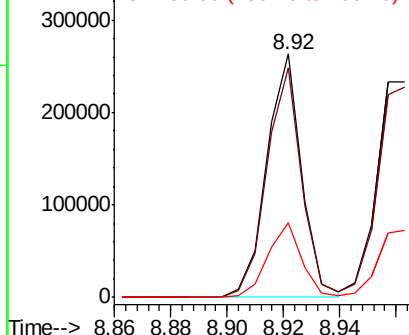
#43
 2,4,6-Trichlorophenol
 Concen: 19.076 ng
 RT: 8.92 min Scan# 1162
 Delta R.T. -0.01 min
 Lab File: BF114979.D
 Acq: 12 Jun 2019 17:17

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

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



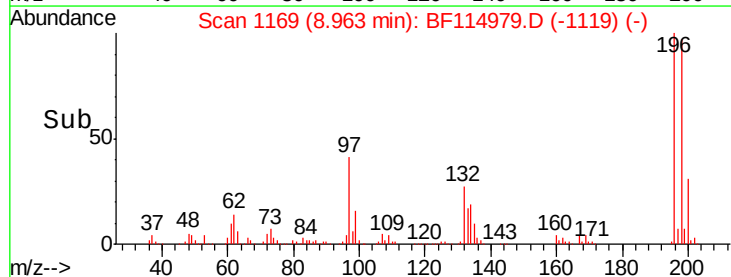
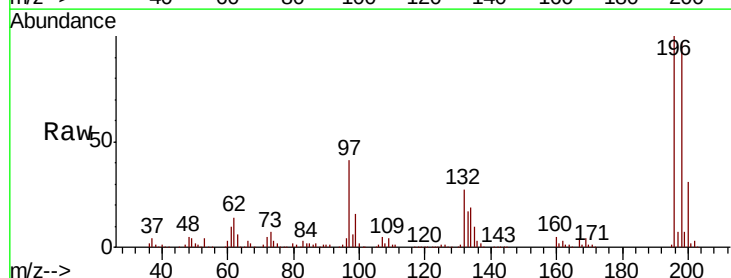
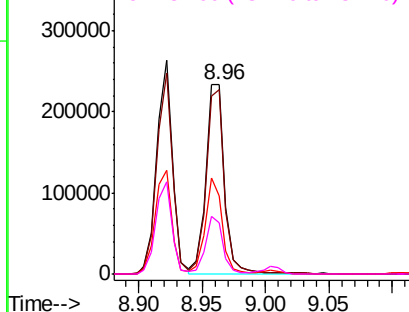
Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E

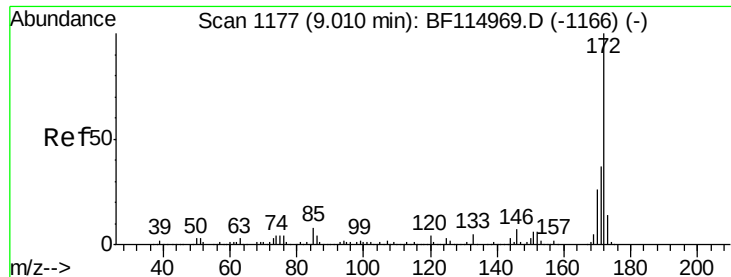


#44
 2,4,5-Trichlorophenol
 Concen: 20.230 ng
 RT: 8.96 min Scan# 1169
 Delta R.T. -0.01 min
 Lab File: BF114979.D
 Acq: 12 Jun 2019 17:17

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

Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF1
 Ion 132.00 (131.70 to 132.70): E

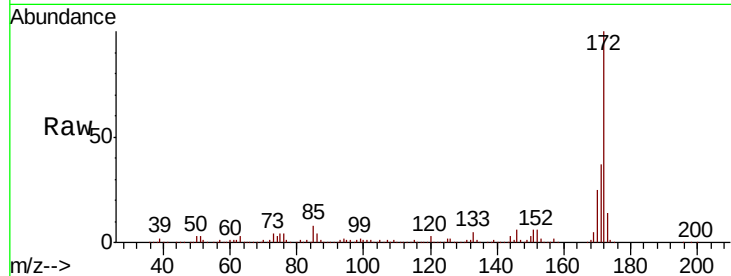




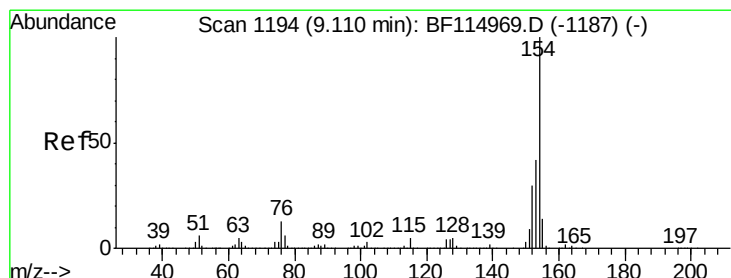
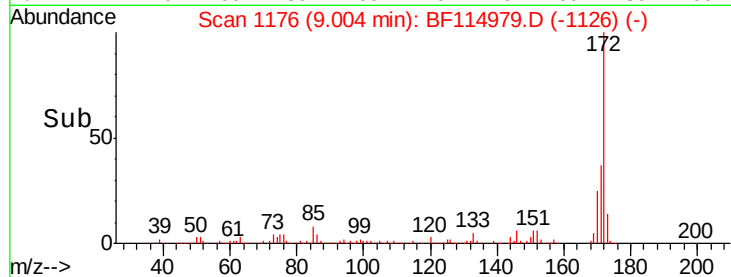
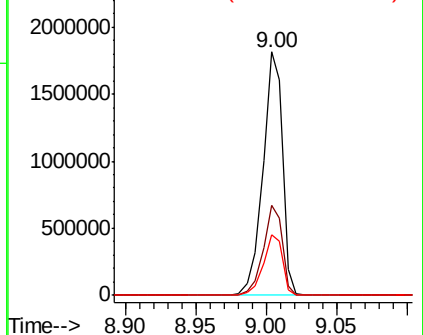
#45
2-Fluorobiphenyl
Concen: 56.807 ng
RT: 9.00 min Scan# 1176
Delta R.T. -0.01 min
Lab File: BF114979.D
Acq: 12 Jun 2019 17:17

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

Tgt Ion:172 Resp: 1789804
Ion Ratio Lower Upper
172 100
171 37.0 29.8 44.6
170 25.0 20.6 31.0

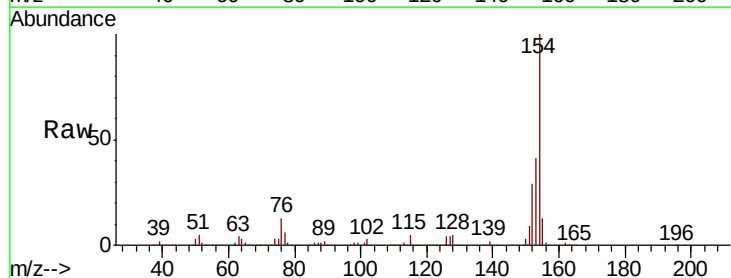


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

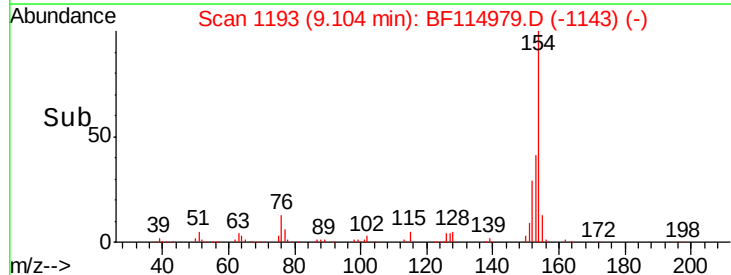
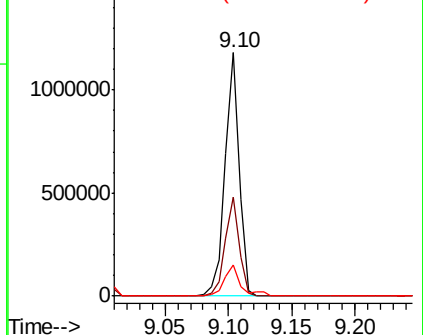


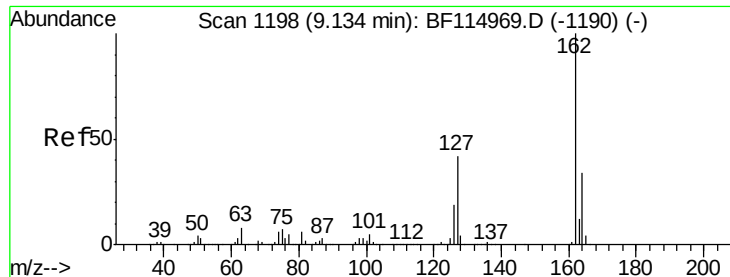
#46
1,1'-Biphenyl
Concen: 21.512 ng
RT: 9.10 min Scan# 1193
Delta R.T. -0.01 min
Lab File: BF114979.D
Acq: 12 Jun 2019 17:17

Tgt Ion:154 Resp: 920519
Ion Ratio Lower Upper
154 100
153 40.8 22.4 62.4
76 12.6 0.0 33.3



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF1

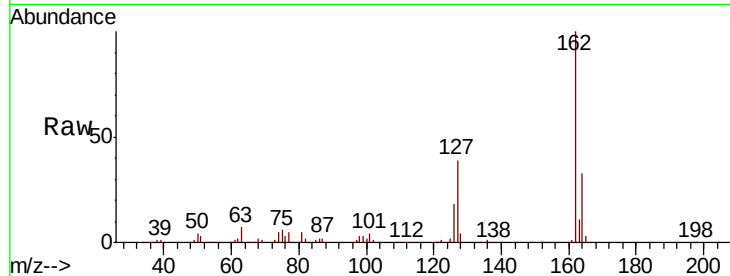




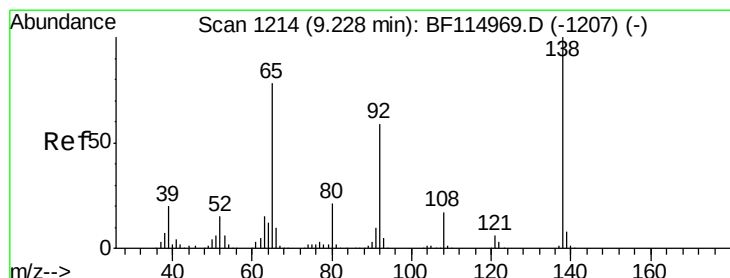
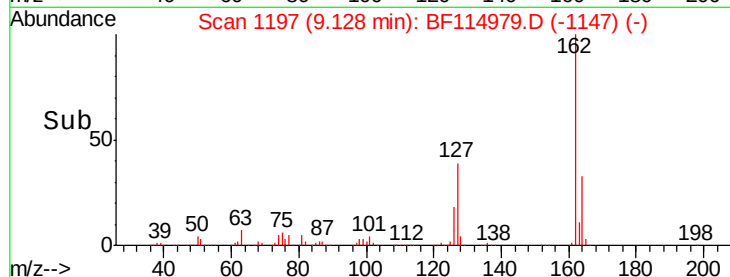
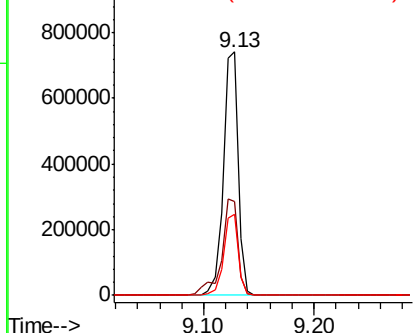
#47
 2-Chloronaphthalene
 Concen: 20.174 ng
 RT: 9.13 min Scan# 1197
 Delta R.T. -0.01 min
 Lab File: BF114979.D
 Acq: 12 Jun 2019 17:17

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

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

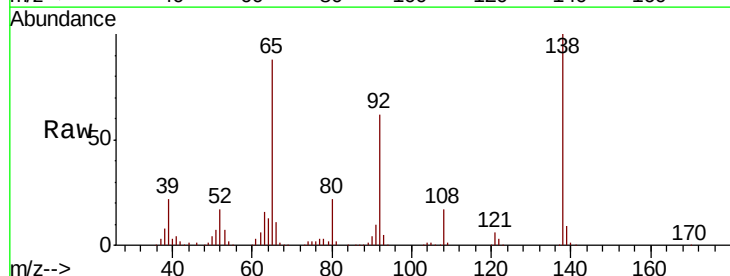


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E

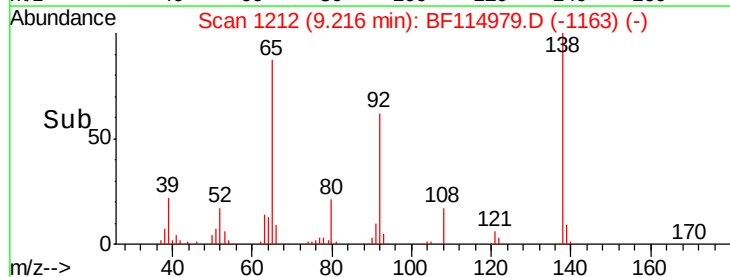
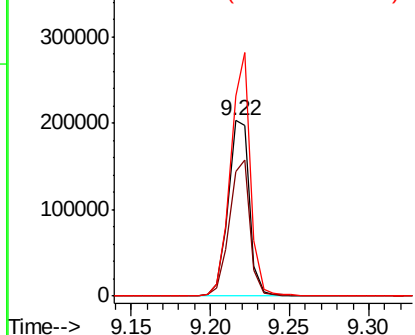


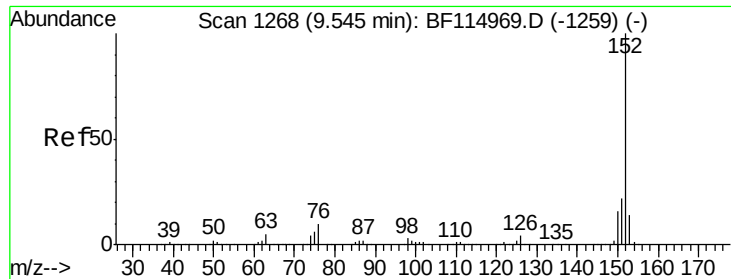
#48
 2-Nitroaniline
 Concen: 18.583 ng
 RT: 9.22 min Scan# 1212
 Delta R.T. -0.01 min
 Lab File: BF114979.D
 Acq: 12 Jun 2019 17:17

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



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





#49

Acenaphthylene

Concen: 20.574 ng

RT: 9.54 min Scan# 1267

Delta R.T. -0.01 min

Lab File: BF114979.D

Acq: 12 Jun 2019 17:17

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2019

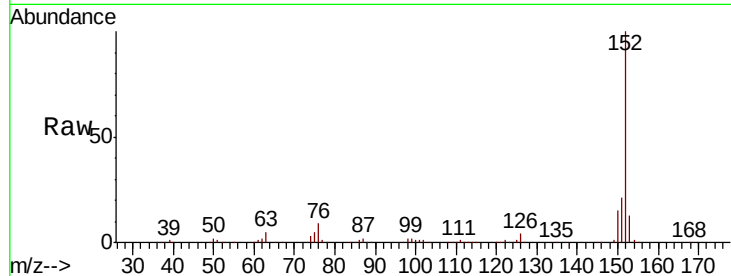
Tgt Ion:152 Resp: 1094578

Ion Ratio Lower Upper

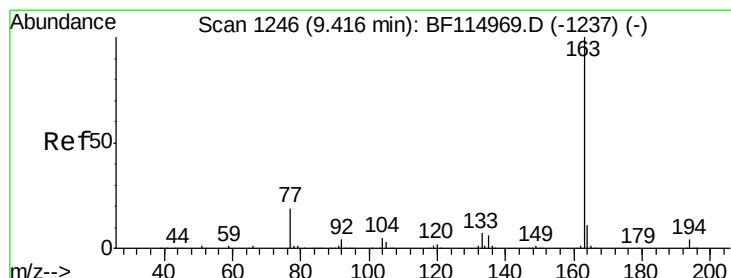
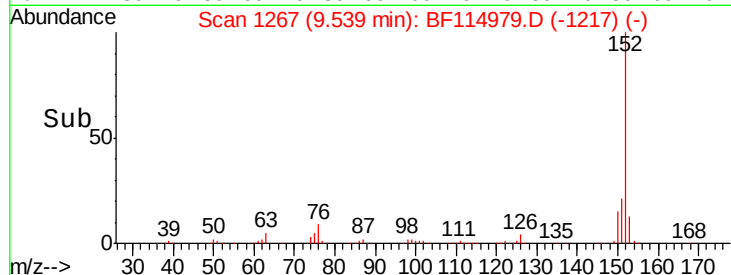
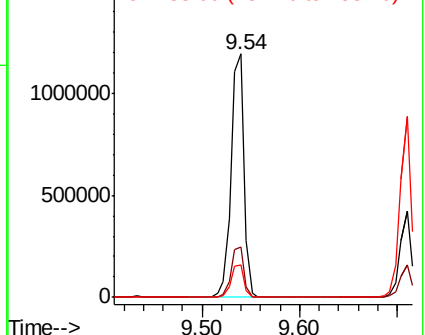
152 100

151 20.5 17.5 26.3

153 13.3 11.2 16.8



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: 19.625 ng

RT: 9.40 min Scan# 1244

Delta R.T. -0.01 min

Lab File: BF114979.D

Acq: 12 Jun 2019 17:17

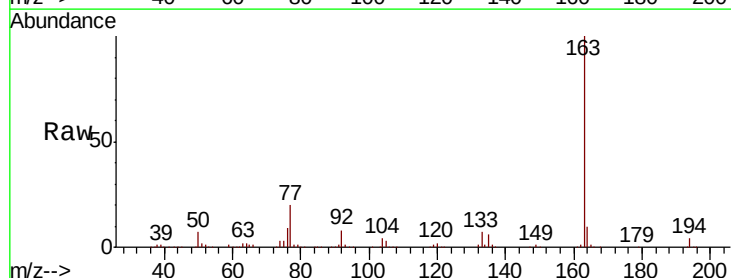
Tgt Ion:163 Resp: 788080

Ion Ratio Lower Upper

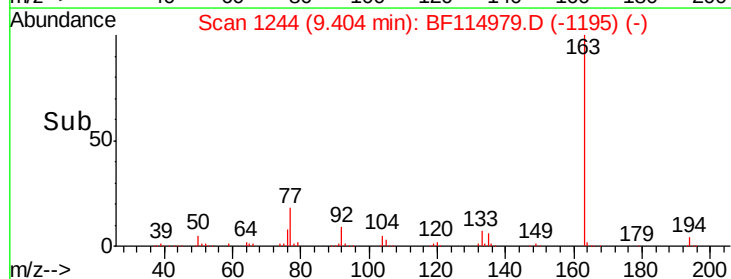
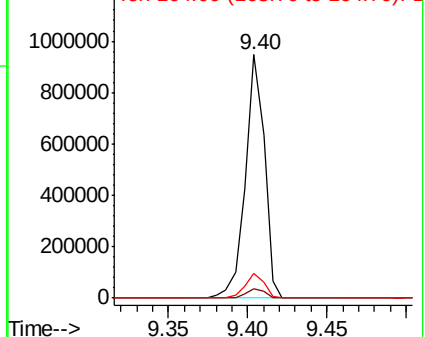
163 100

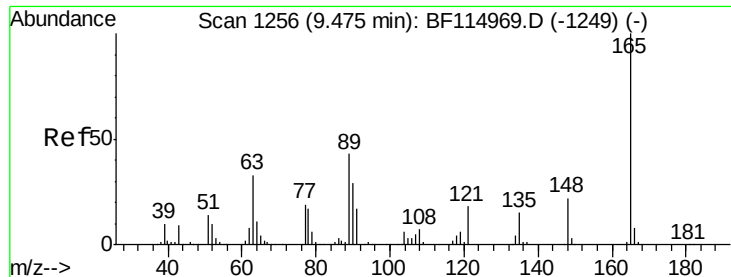
194 3.8 3.3 4.9

164 10.2 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

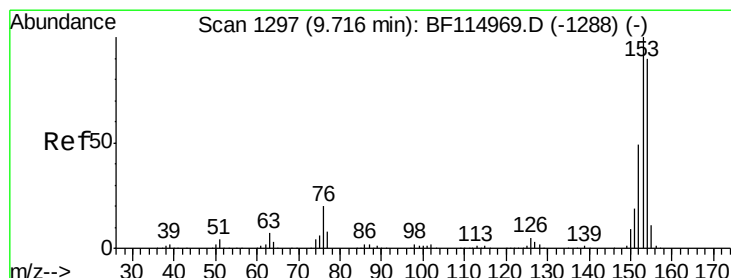
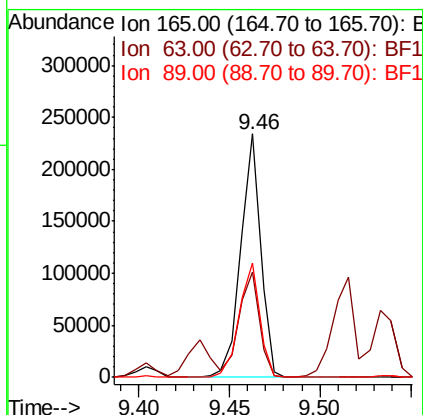
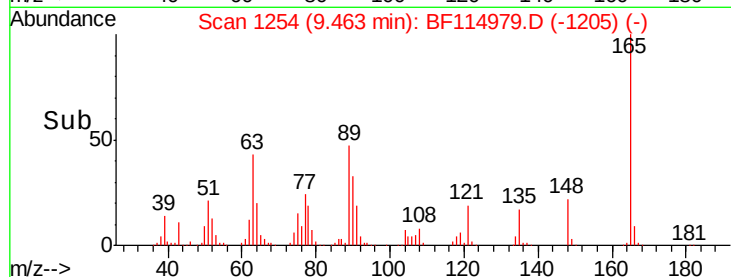
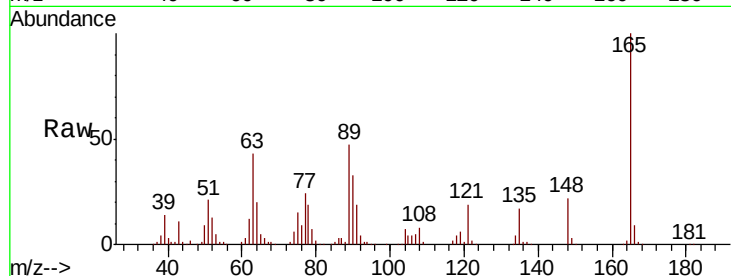




#51
2,6-Dinitrotoluene
Concen: 19.783 ng
RT: 9.46 min Scan# 1254
Delta R.T. -0.01 min
Lab File: BF114979.D
Acq: 12 Jun 2019 17:17

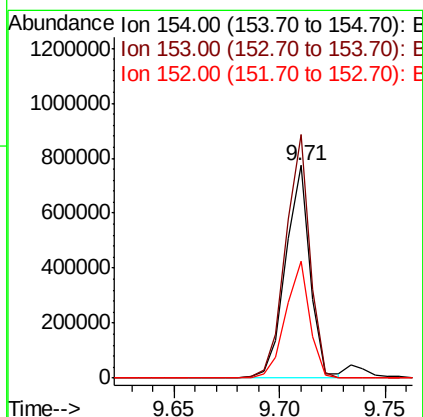
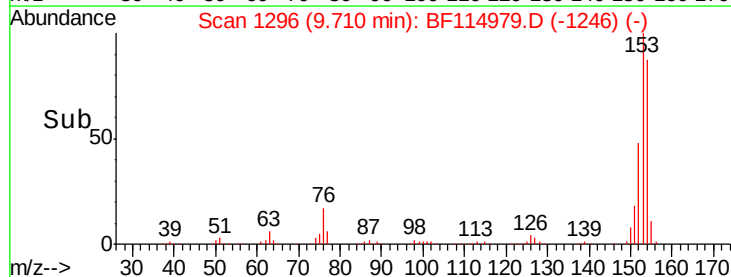
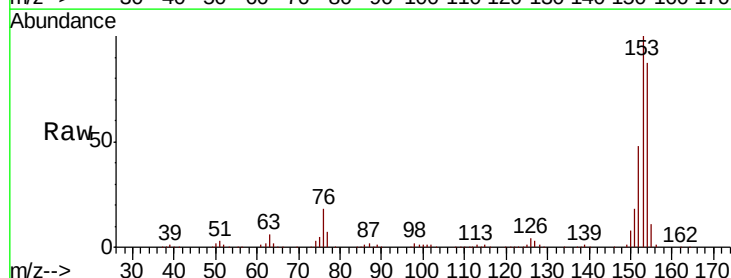
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2019

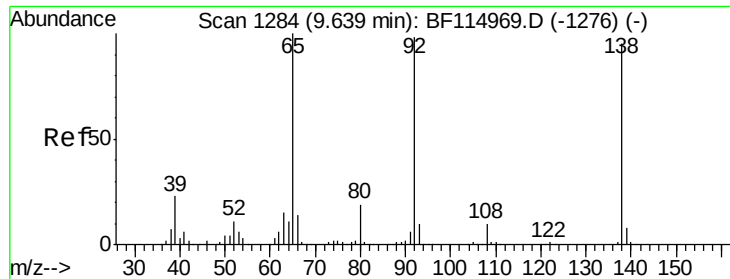
Tgt Ion	Ratio	Lower	Upper
165	100		
63	43.5	30.6	46.0
89	46.8	34.4	51.6



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

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

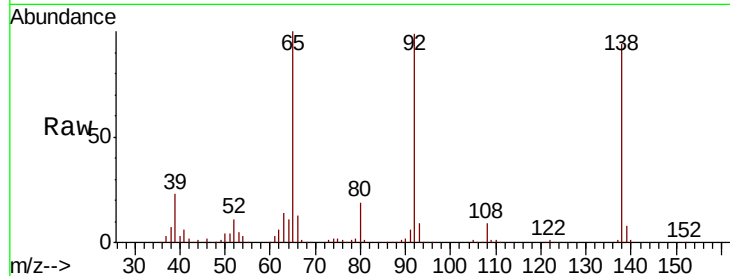




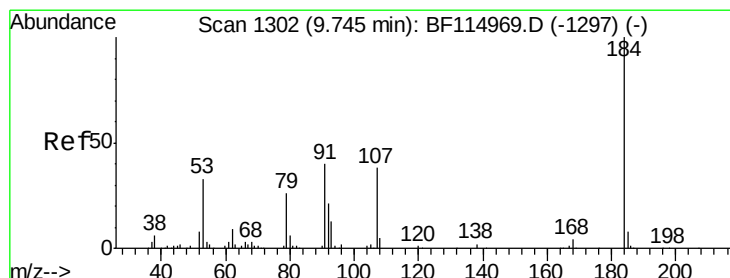
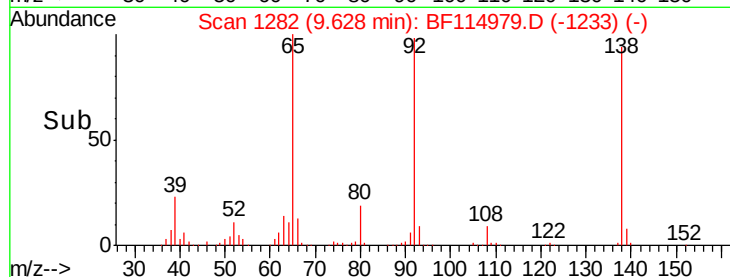
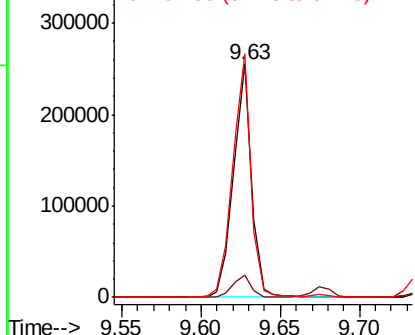
#53
3-Nitroaniline
Concen: 18.231 ng
RT: 9.63 min Scan# 1282
Delta R.T. -0.01 min
Lab File: BF114979.D
Acq: 12 Jun 2019 17:17

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

Tgt Ion:138 Resp: 203472
Ion Ratio Lower Upper
138 100
108 9.6 8.0 12.0
92 104.5 82.4 123.6

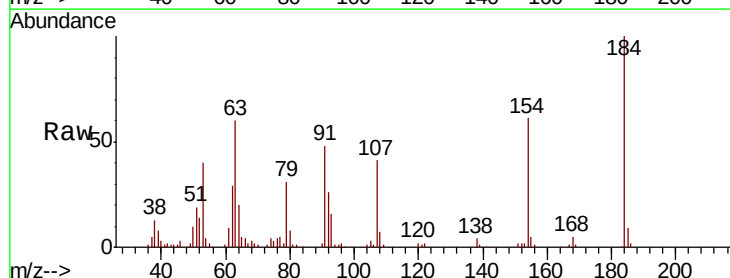


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BF1

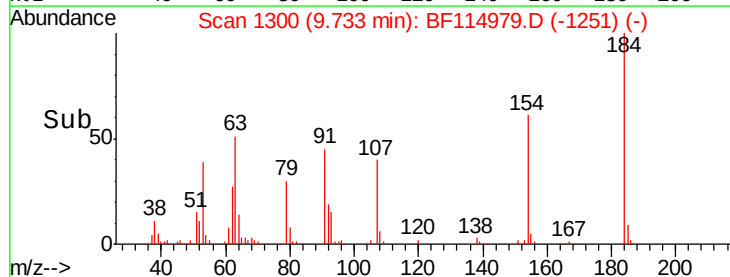
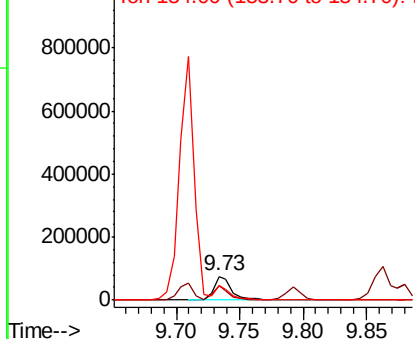


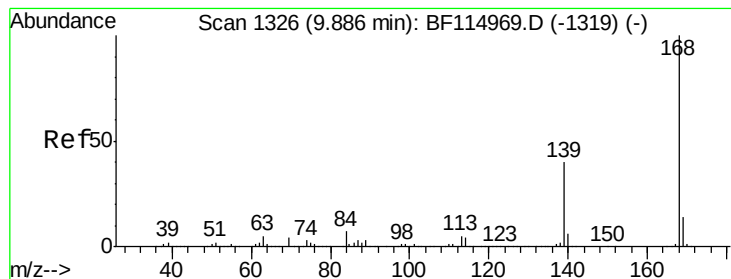
#54
2,4-Dinitrophenol
Concen: 17.540 ng
RT: 9.73 min Scan# 1300
Delta R.T. -0.01 min
Lab File: BF114979.D
Acq: 12 Jun 2019 17:17

Tgt Ion:184 Resp: 77501
Ion Ratio Lower Upper
184 100
63 60.2 40.5 60.7
154 61.1 44.8 67.2



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 154.00 (153.70 to 154.70): E





#55

Dibenzenofuran

Concen: 20.863 ng

RT: 9.88 min Scan# 1325

Delta R.T. -0.01 min

Lab File: BF114979.D

Acq: 12 Jun 2019 17:17

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2019

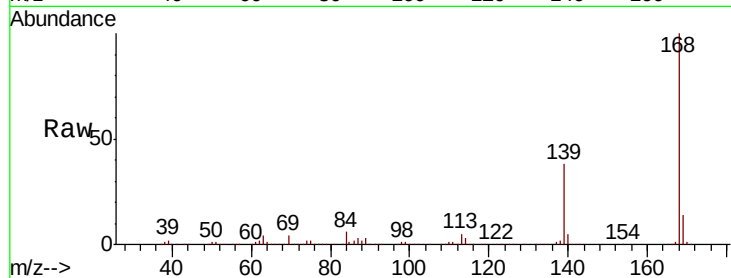
Tgt Ion:168 Resp: 957050

Ion Ratio Lower Upper

168 100

139 38.3 32.5 48.7

169 13.6 11.5 17.3

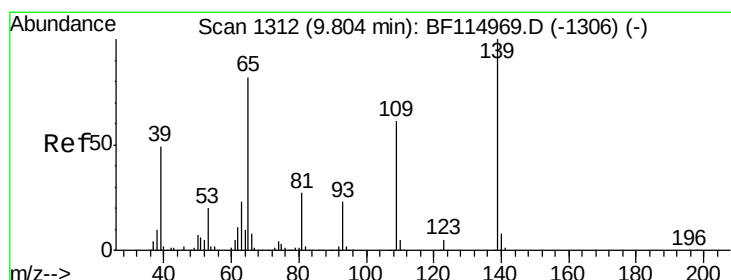
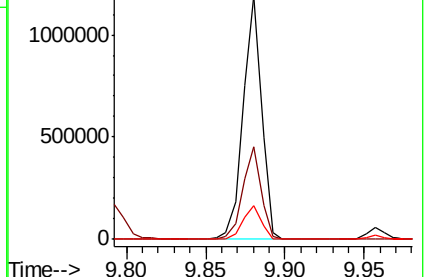
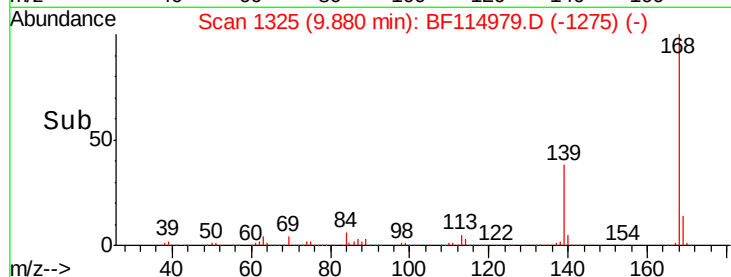


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

Time-->



#56

4-Nitrophenol

Concen: 19.305 ng

RT: 9.79 min Scan# 1310

Delta R.T. -0.01 min

Lab File: BF114979.D

Acq: 12 Jun 2019 17:17

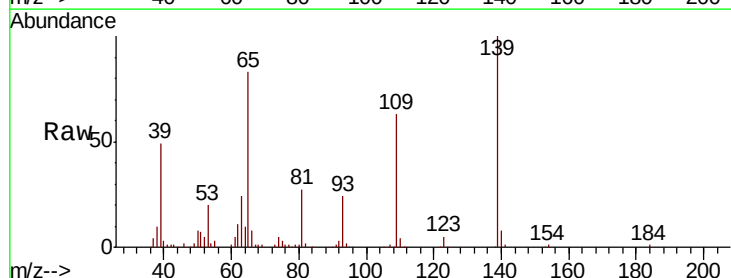
Tgt Ion:139 Resp: 148581

Ion Ratio Lower Upper

139 100

109 63.2 41.4 81.4

65 82.7 62.7 102.7

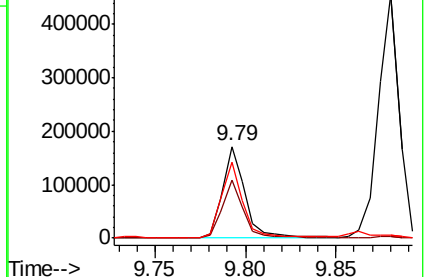
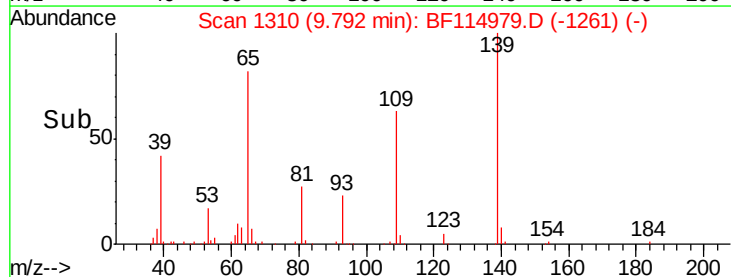


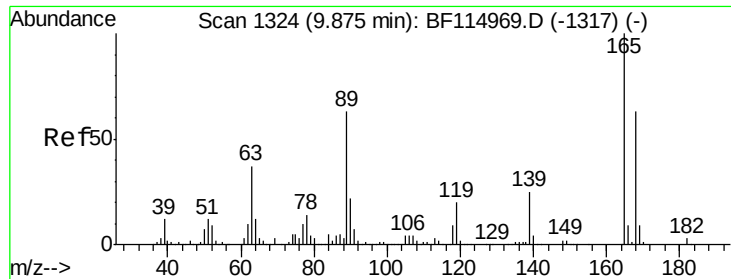
Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1

Time-->

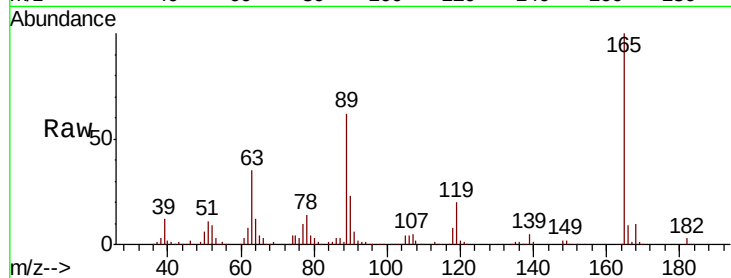




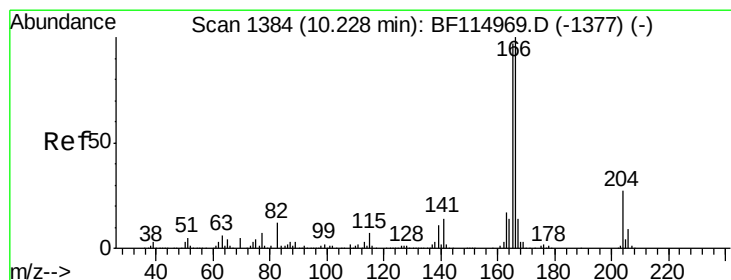
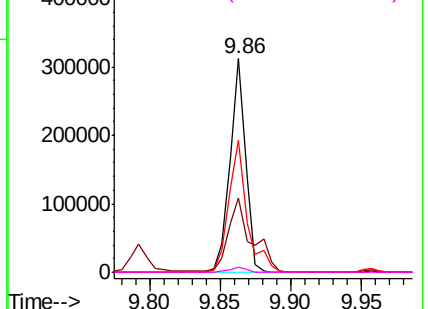
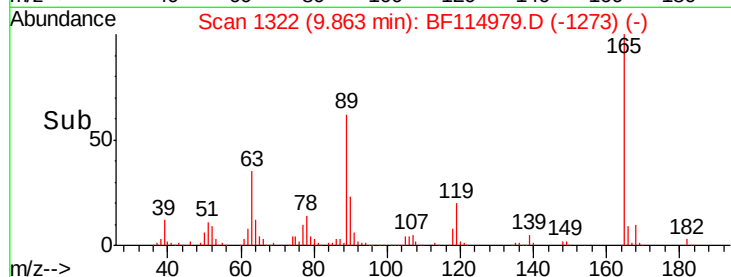
#57
2,4-Dinitrotoluene
Concen: 20.831 ng
RT: 9.86 min Scan# 1322
Delta R.T. -0.01 min
Lab File: BF114979.D
Acq: 12 Jun 2019 17:17

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

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

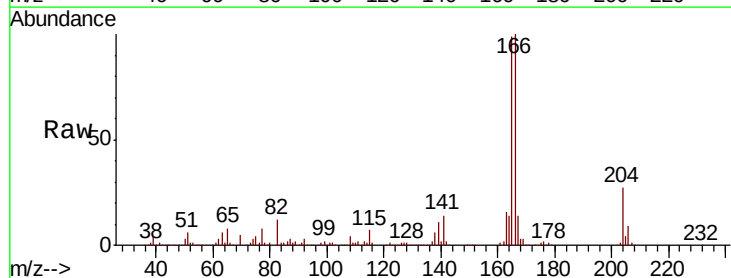


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E

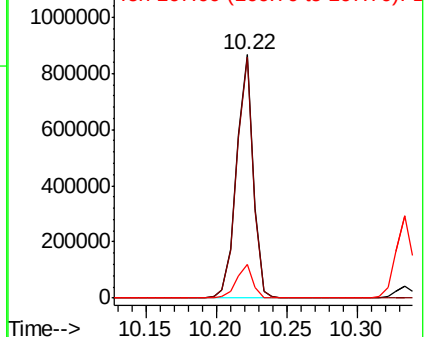
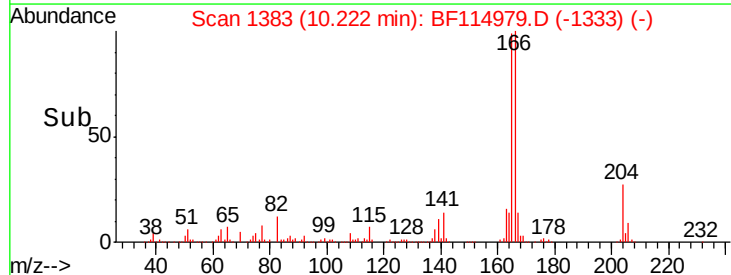


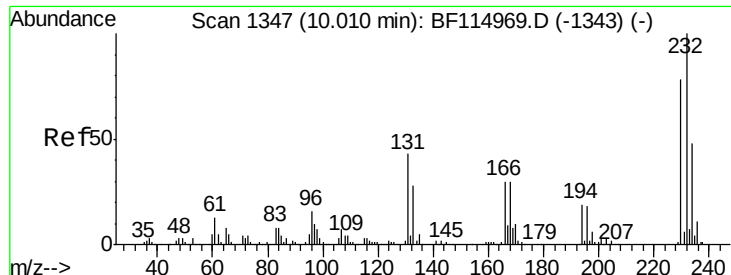
#58
Fluorene
Concen: 18.596 ng
RT: 10.22 min Scan# 1383
Delta R.T. -0.01 min
Lab File: BF114979.D
Acq: 12 Jun 2019 17:17

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



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E

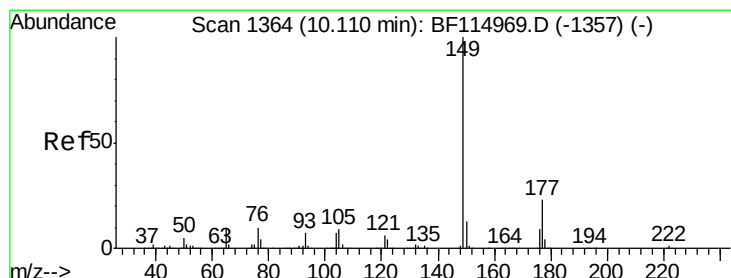
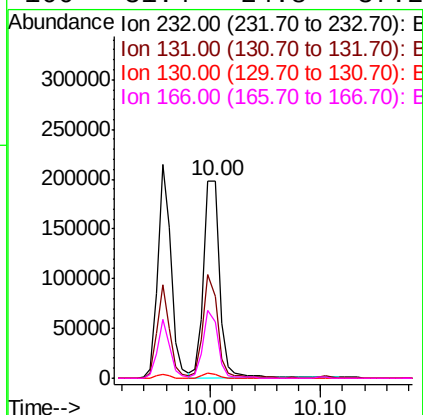
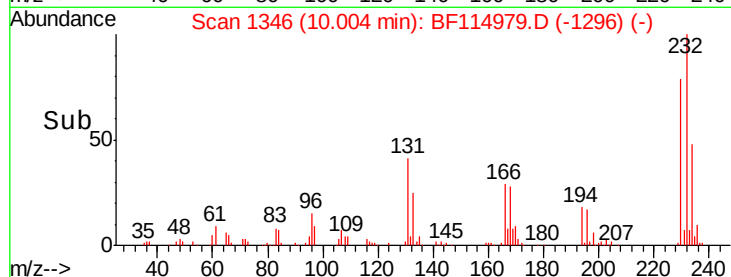
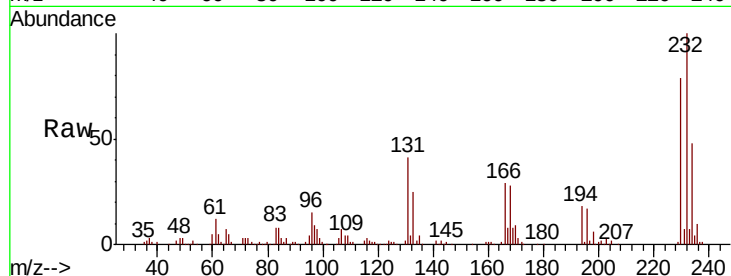




#59
2,3,4,6-Tetrachlorophenol
Concen: 20.261 ng
RT: 10.00 min Scan# 1346
Delta R.T. -0.01 min
Lab File: BF114979.D
Acq: 12 Jun 2019 17:17

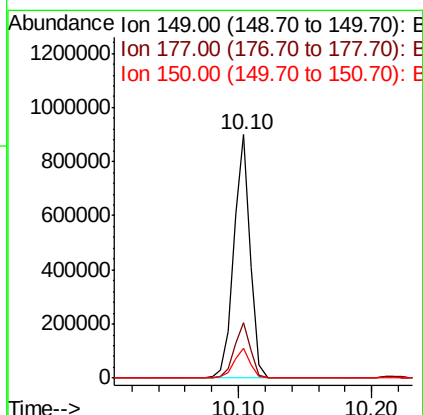
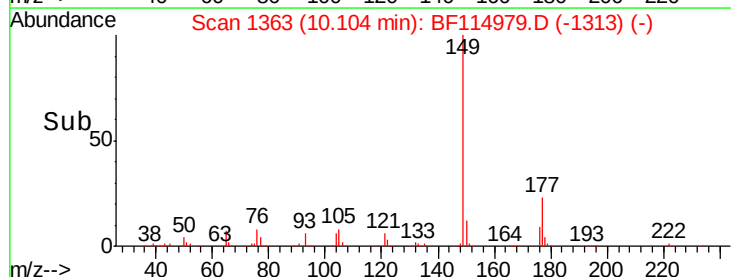
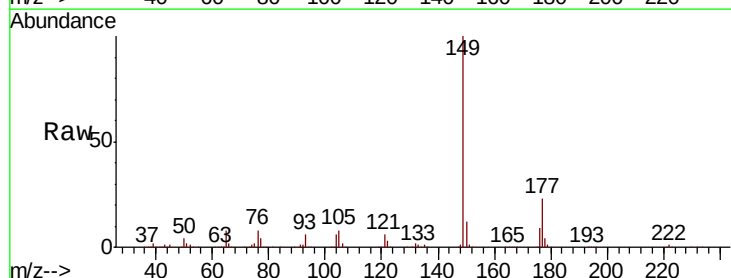
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2019

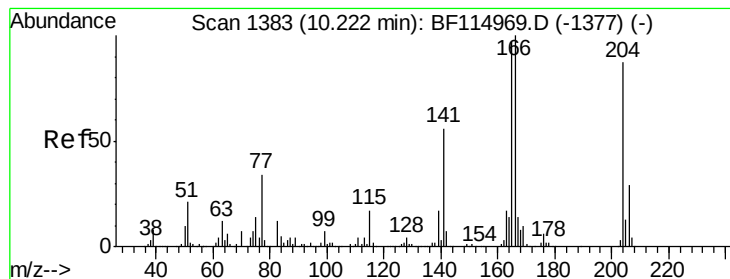
Tgt Ion: 232 Resp: 194886
Ion Ratio Lower Upper
232 100
131 47.2 36.9 55.3
130 2.2 1.8 2.6
166 31.4 24.8 37.2



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

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





#61

4-Chlorophenyl-phenylether

Concen: 17.997 ng

RT: 10.22 min Scan# 1382

Delta R.T. -0.01 min

Lab File: BF114979.D

Acq: 12 Jun 2019 17:17

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2019

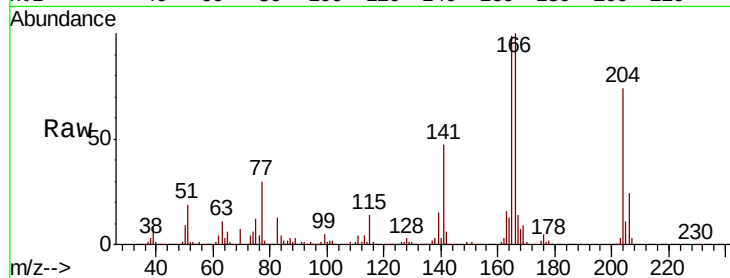
Tgt Ion:204 Resp: 341810

Ion Ratio Lower Upper

204 100

206 33.0 26.5 39.7

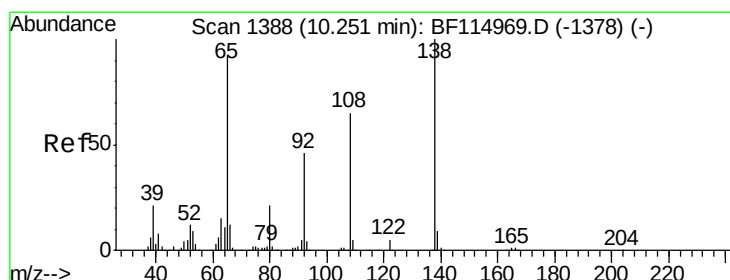
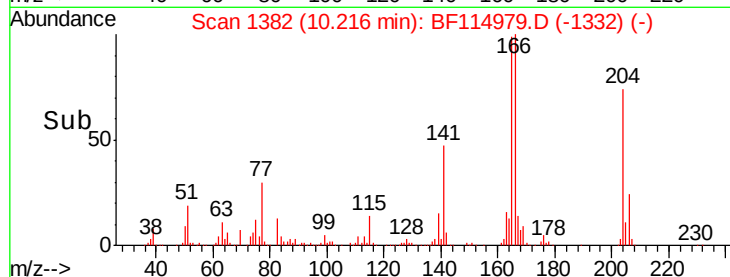
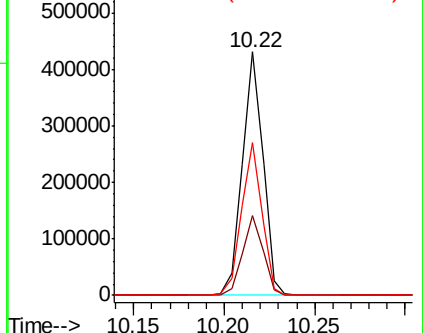
141 63.0 51.8 77.8



Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E



#62

4-Nitroaniline

Concen: 18.436 ng

RT: 10.23 min Scan# 1385

Delta R.T. -0.02 min

Lab File: BF114979.D

Acq: 12 Jun 2019 17:17

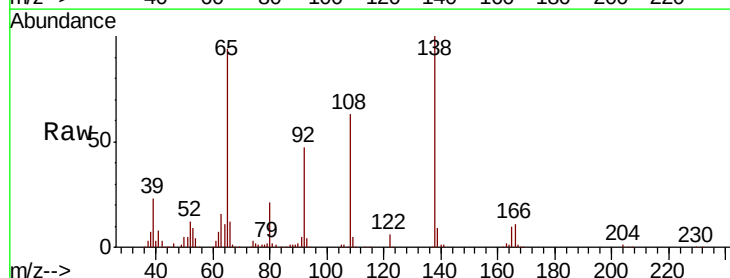
Tgt Ion:138 Resp: 206876

Ion Ratio Lower Upper

138 100

92 46.7 25.7 65.7

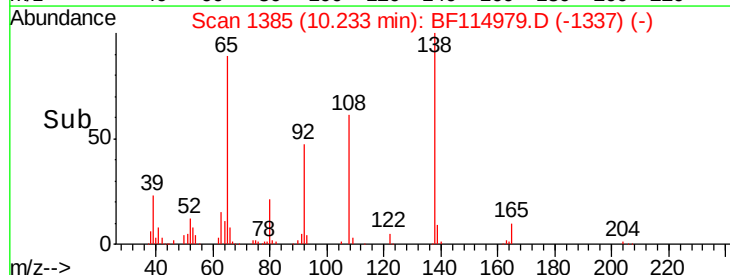
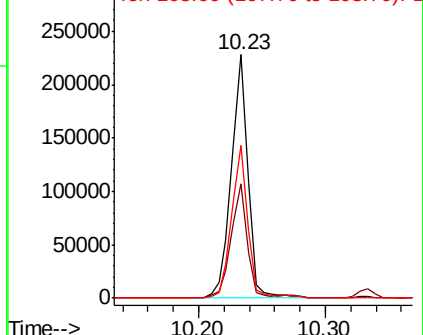
108 62.6 44.6 84.6

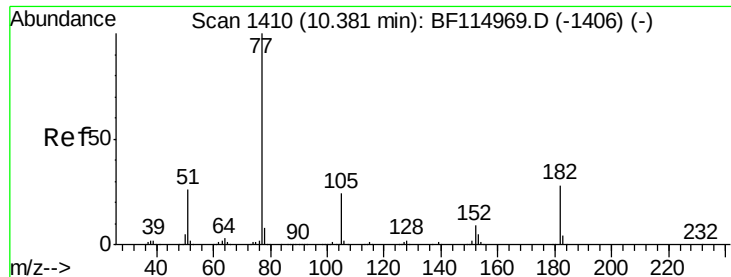


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF1

Ion 108.00 (107.70 to 108.70): E

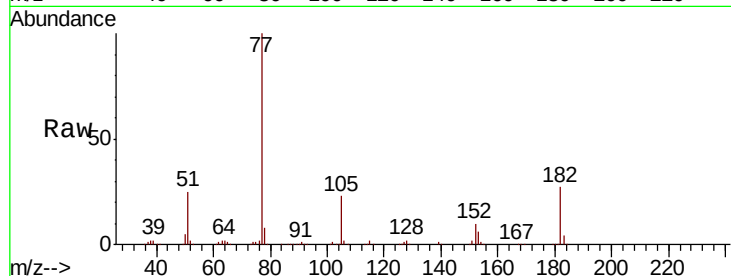




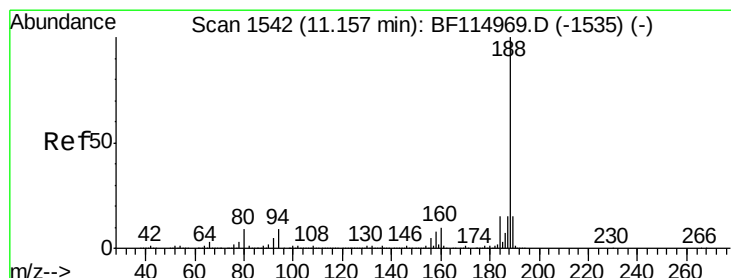
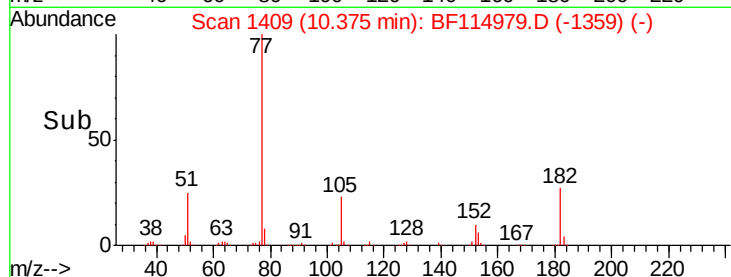
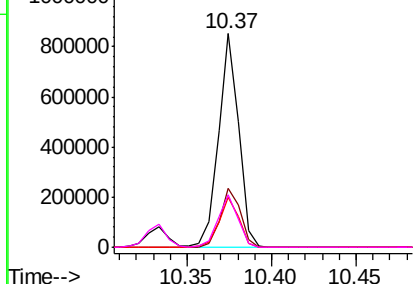
#63
Azobenzene
Concen: 21.004 ng
RT: 10.37 min Scan# 1409
Delta R.T. -0.01 min
Lab File: BF114979.D
Acq: 12 Jun 2019 17:17

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

Tgt Ion:	77	Resp:	705557
Ion	Ratio	Lower	Upper
77	100		
182	27.4	7.4	47.4
105	23.3	4.2	44.2
51	24.7	6.2	46.2

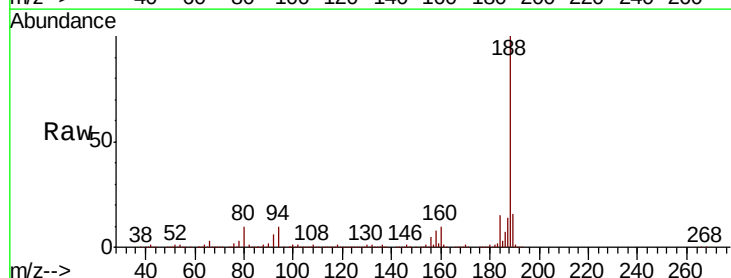


Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 182.00 (181.70 to 182.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 51.00 (50.70 to 51.70): BF1

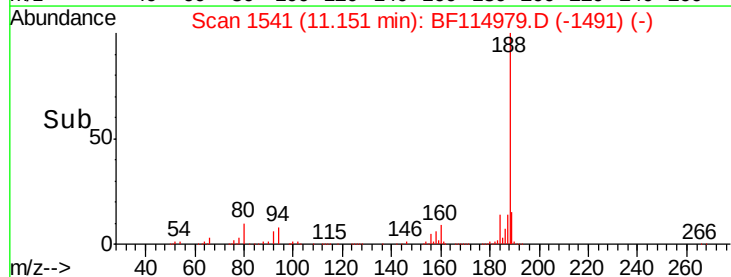
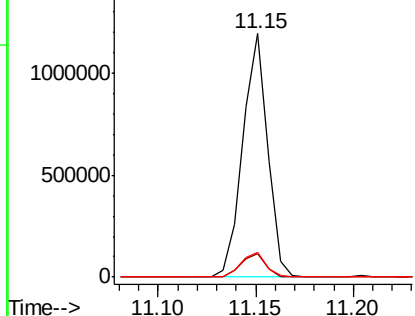


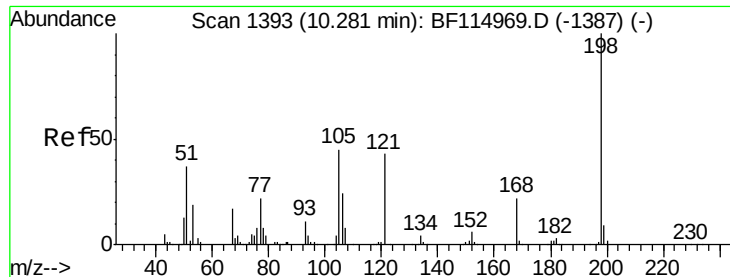
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.15 min Scan# 1541
Delta R.T. -0.01 min
Lab File: BF114979.D
Acq: 12 Jun 2019 17:17

Tgt Ion:	188	Resp:	1055296
Ion	Ratio	Lower	Upper
188	100		
94	9.6	7.2	10.8
80	10.0	7.4	11.2



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

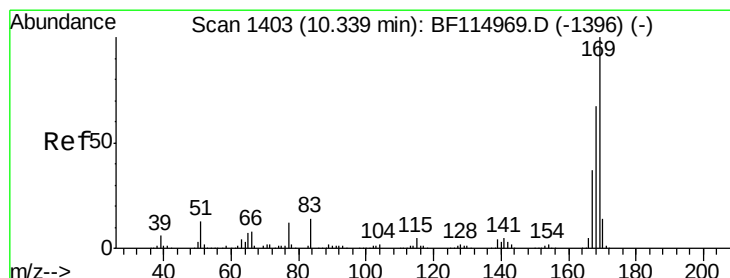
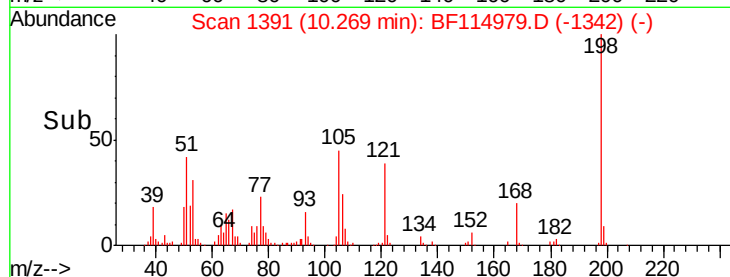
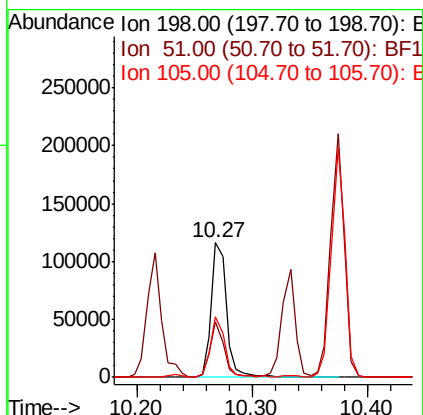
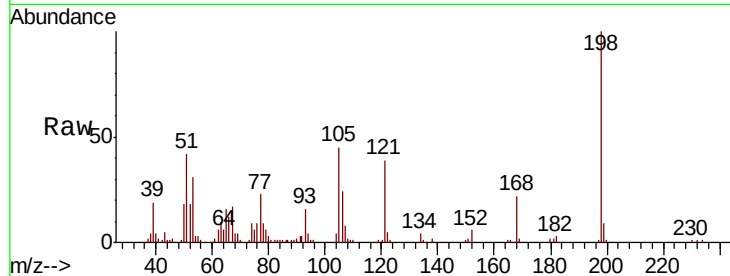




#65
 4,6-Dinitro-2-methylphenol
 Concen: 18.257 ng
 RT: 10.27 min Scan# 1391
 Delta R.T. -0.01 min
 Lab File: BF114979.D
 Acq: 12 Jun 2019 17:17

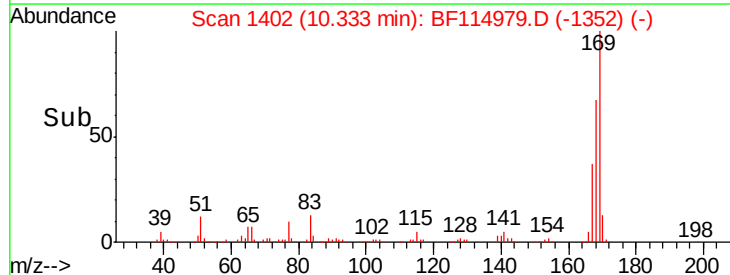
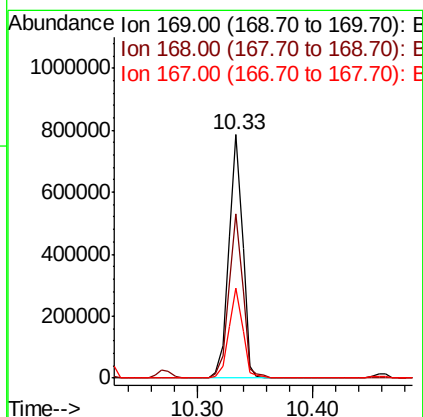
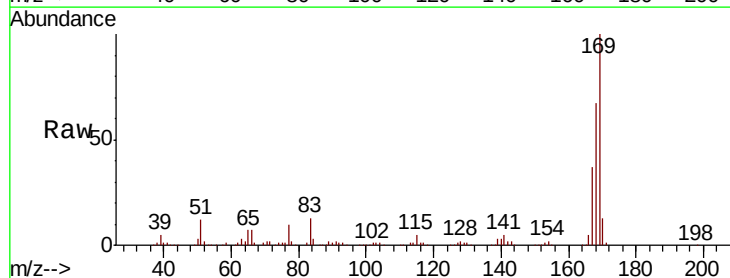
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT2-2019

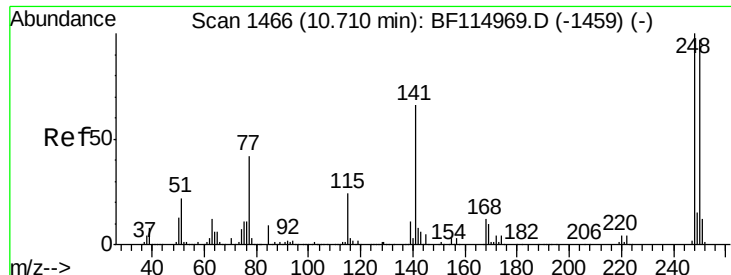
Tgt Ion:198 Resp: 107983
 Ion Ratio Lower Upper
 198 100
 51 41.7 23.0 63.0
 105 44.9 26.5 66.5



#66
 n-Nitrosodiphenylamine
 Concen: 20.600 ng
 RT: 10.33 min Scan# 1402
 Delta R.T. -0.01 min
 Lab File: BF114979.D
 Acq: 12 Jun 2019 17:17

Tgt Ion:169 Resp: 649833
 Ion Ratio Lower Upper
 169 100
 168 67.3 53.6 80.4
 167 37.2 29.6 44.4

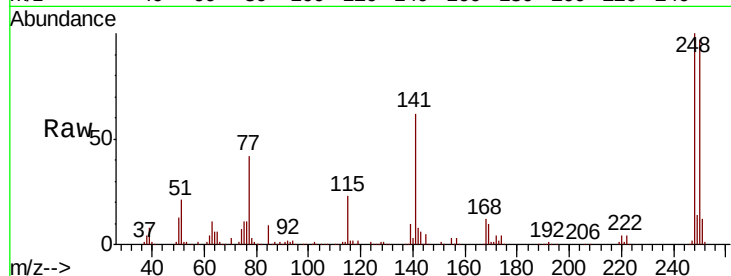




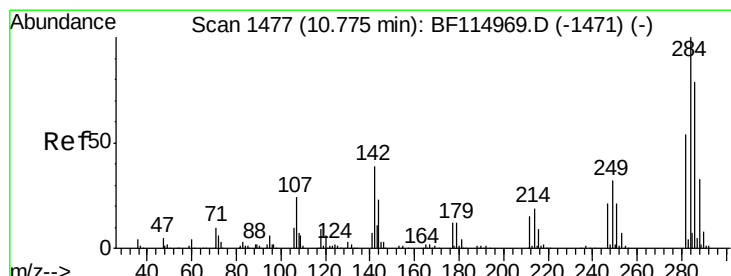
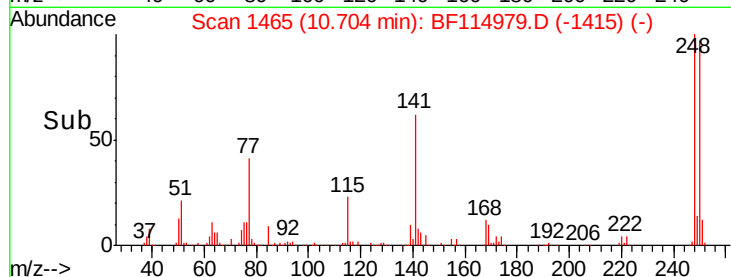
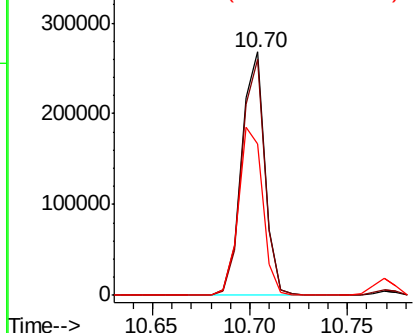
#67
4-Bromophenyl-phenylether
Concen: 19.493 ng
RT: 10.70 min Scan# 1465
Delta R.T. -0.01 min
Lab File: BF114979.D
Acq: 12 Jun 2019 17:17

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

Tgt Ion: 248 Resp: 220877
Ion Ratio Lower Upper
248 100
250 97.0 77.8 116.8
141 62.2 53.1 79.7

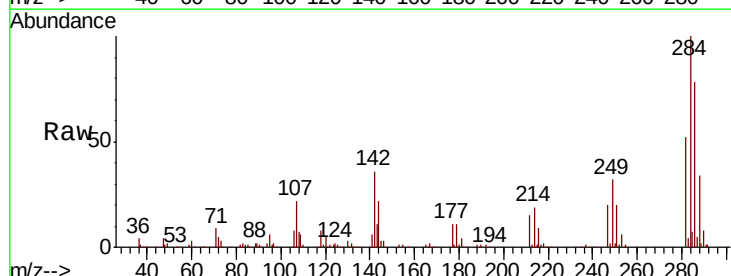


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

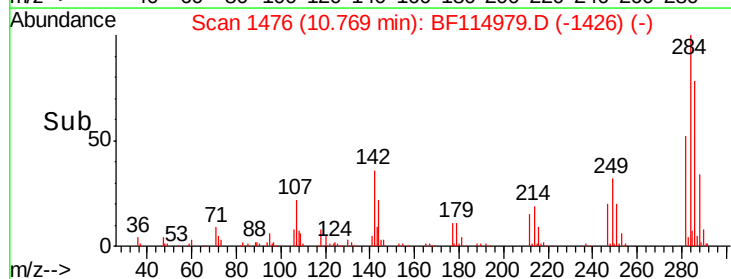
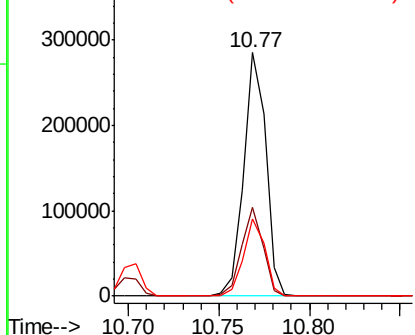


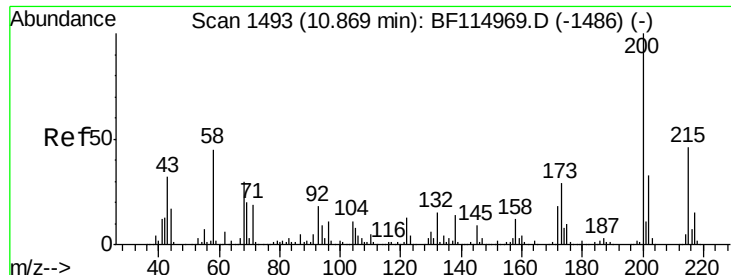
#68
Hexachlorobenzene
Concen: 19.352 ng
RT: 10.77 min Scan# 1476
Delta R.T. -0.01 min
Lab File: BF114979.D
Acq: 12 Jun 2019 17:17

Tgt Ion: 284 Resp: 241408
Ion Ratio Lower Upper
284 100
142 36.3 31.5 47.3
249 31.7 25.6 38.4



Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E





#69

Atrazine

Concen: 19.639 ng

RT: 10.86 min Scan# 1492

Delta R.T. -0.01 min

Lab File: BF114979.D

Acq: 12 Jun 2019 17:17

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2019

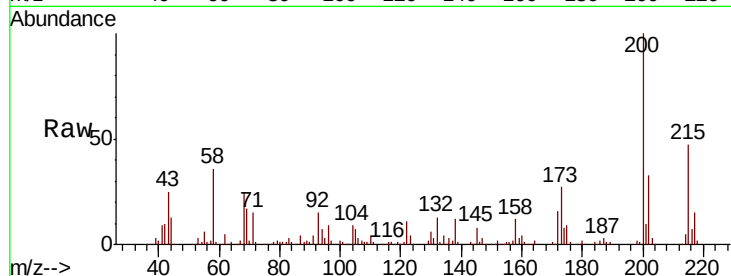
Tgt Ion:200 Resp: 199740

Ion Ratio Lower Upper

200 100

173 26.6 9.0 49.0

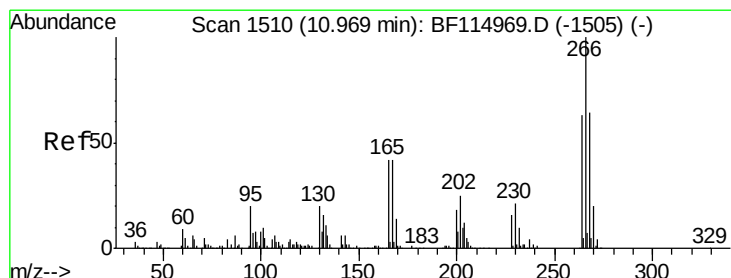
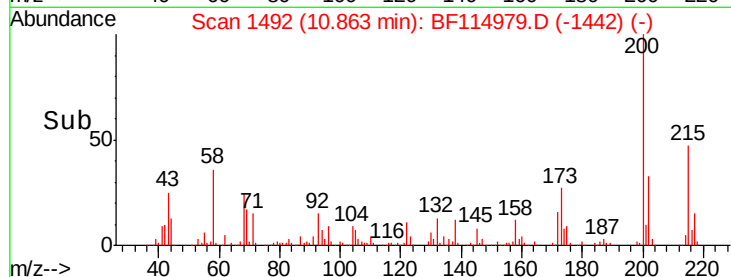
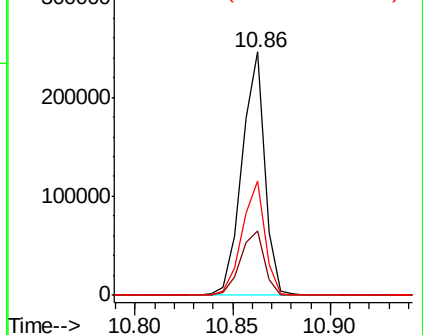
215 47.0 26.5 66.5



Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#70

Pentachlorophenol

Concen: 18.391 ng

RT: 10.96 min Scan# 1509

Delta R.T. -0.01 min

Lab File: BF114979.D

Acq: 12 Jun 2019 17:17

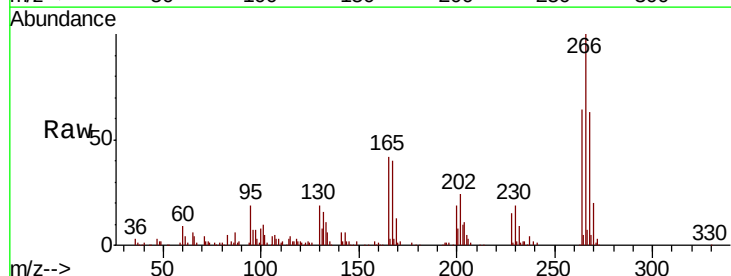
Tgt Ion:266 Resp: 124588

Ion Ratio Lower Upper

266 100

268 62.9 51.4 77.2

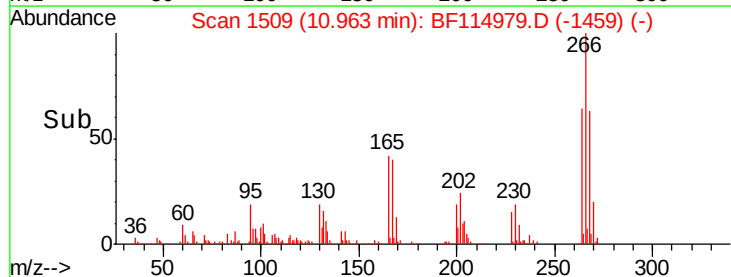
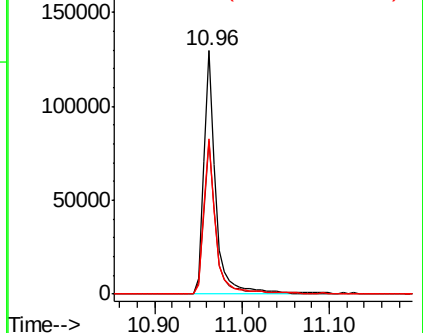
264 63.7 50.3 75.5

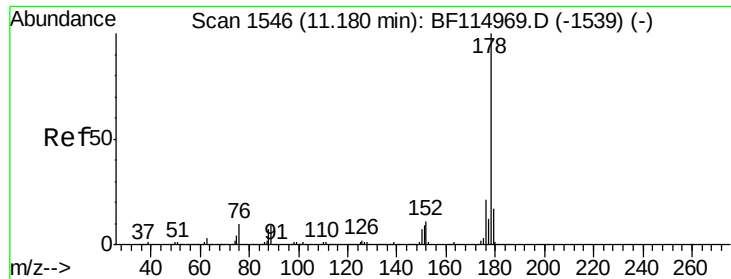


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

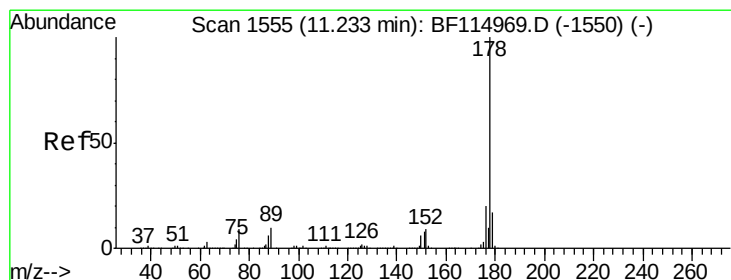
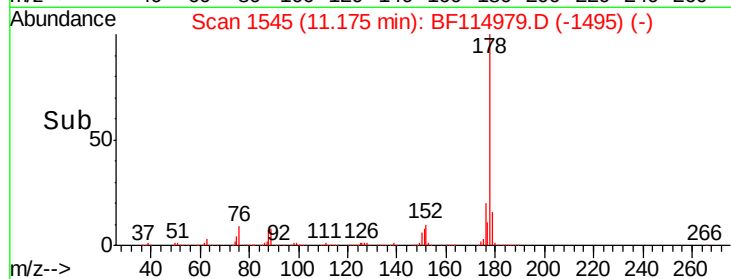
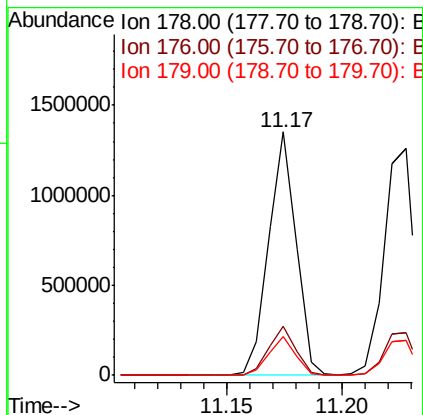
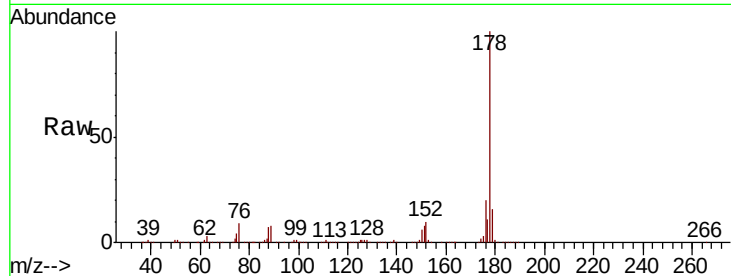




#71
Phenanthrene
Concen: 20.571 ng
RT: 11.17 min Scan# 1545
Delta R.T. -0.01 min
Lab File: BF114979.D
Acq: 12 Jun 2019 17:17

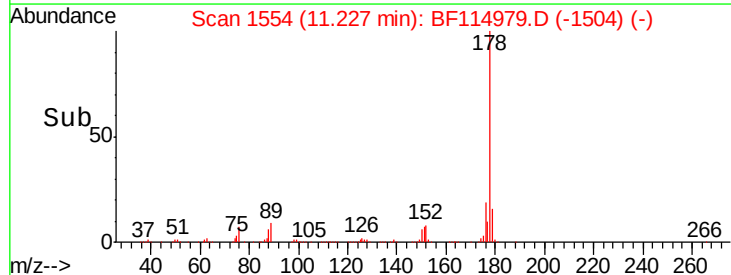
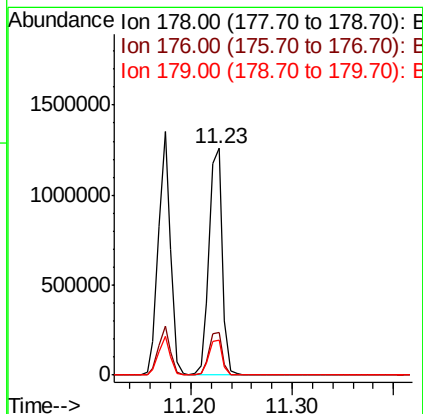
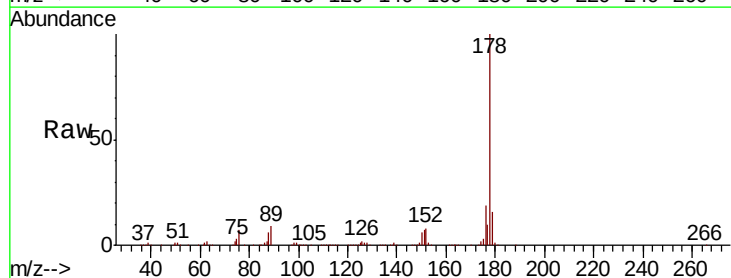
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2019

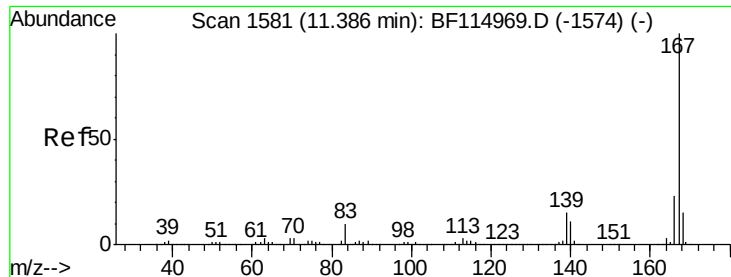
Tgt Ion:178 Resp: 1120868
Ion Ratio Lower Upper
178 100
176 20.1 16.9 25.3
179 15.9 13.4 20.0



#72
Anthracene
Concen: 20.829 ng
RT: 11.23 min Scan# 1554
Delta R.T. -0.01 min
Lab File: BF114979.D
Acq: 12 Jun 2019 17:17

Tgt Ion:178 Resp: 1144914
Ion Ratio Lower Upper
178 100
176 19.1 16.2 24.4
179 15.6 13.2 19.8





#73

Carbazole

Concen: 21.266 ng

RT: 11.38 min Scan# 1580

Delta R.T. -0.01 min

Lab File: BF114979.D

Acq: 12 Jun 2019 17:17

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2019

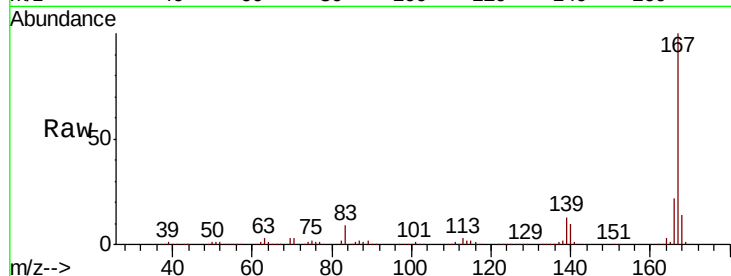
Tgt Ion:167 Resp: 1020306

Ion Ratio Lower Upper

167 100

166 22.0 18.5 27.7

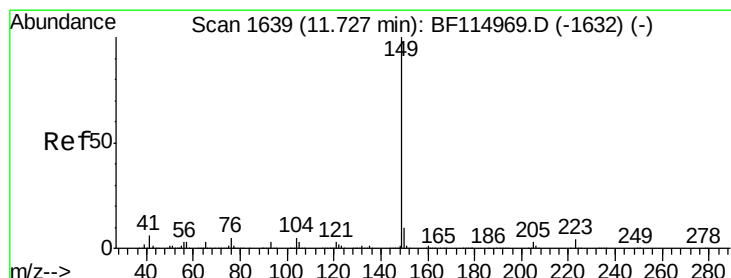
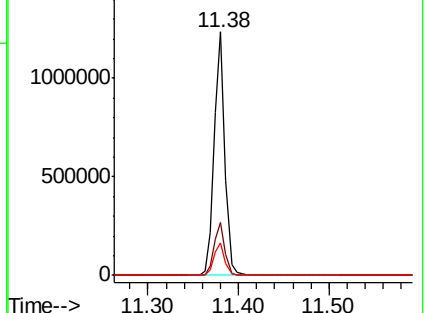
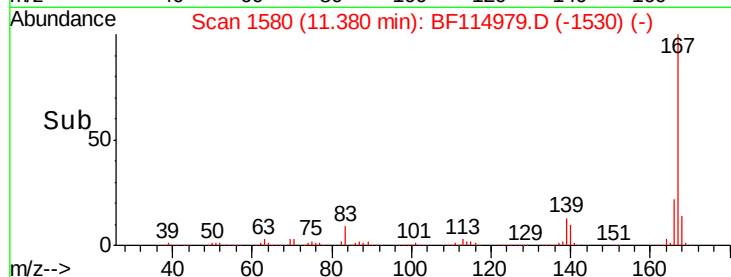
139 13.5 12.0 18.0



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Di-n-butylphthalate

Concen: 19.715 ng

RT: 11.72 min Scan# 1638

Delta R.T. -0.01 min

Lab File: BF114979.D

Acq: 12 Jun 2019 17:17

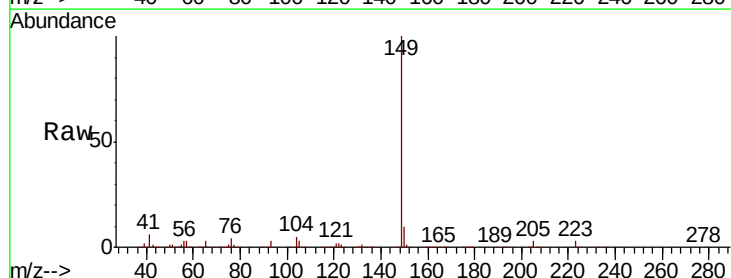
Tgt Ion:149 Resp: 1192471

Ion Ratio Lower Upper

149 100

150 9.8 8.1 12.1

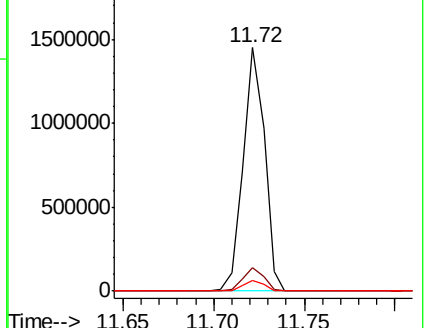
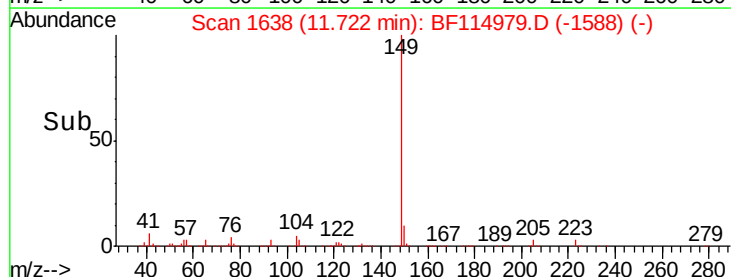
104 4.6 4.0 6.0

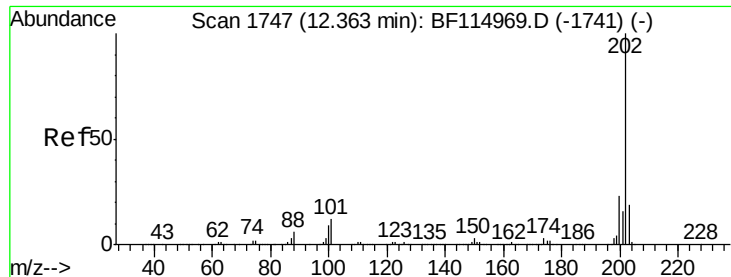


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 20.809 ng

RT: 12.36 min Scan# 1746

Delta R.T. -0.01 min

Lab File: BF114979.D

Acq: 12 Jun 2019 17:17

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2019

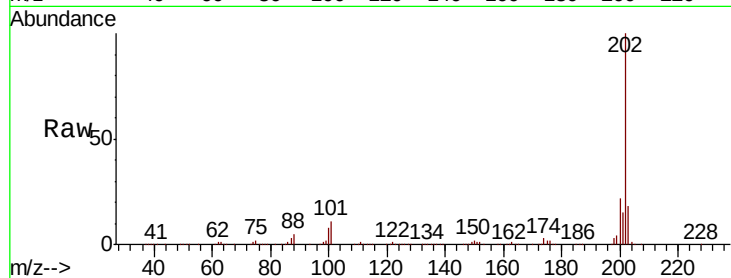
Tgt Ion:202 Resp: 1159380

Ion Ratio Lower Upper

202 100

101 11.0 0.0 32.4

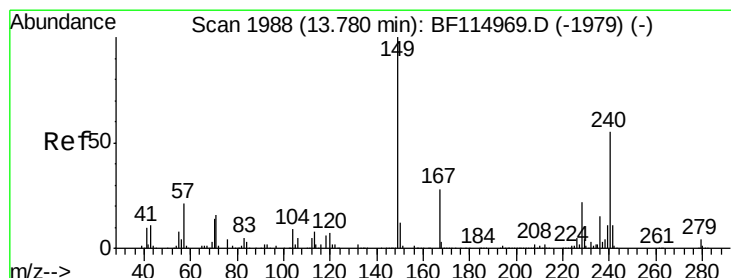
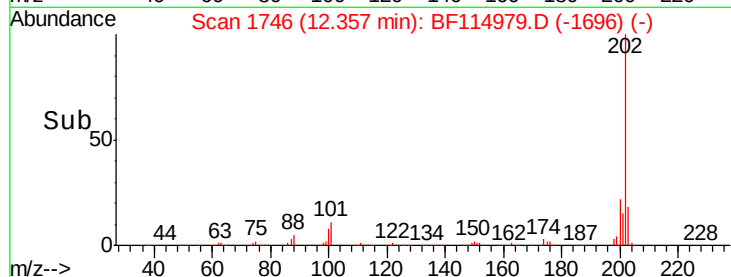
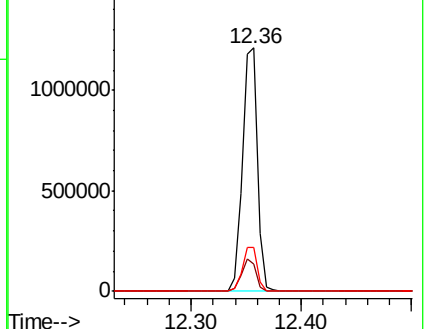
203 17.9 0.0 38.6



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.77 min Scan# 1987

Delta R.T. -0.01 min

Lab File: BF114979.D

Acq: 12 Jun 2019 17:17

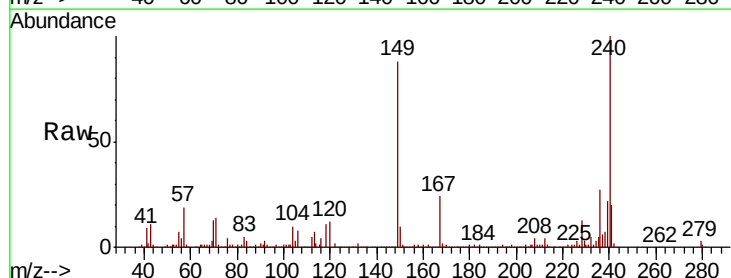
Tgt Ion:240 Resp: 717388

Ion Ratio Lower Upper

240 100

120 12.4 10.0 15.0

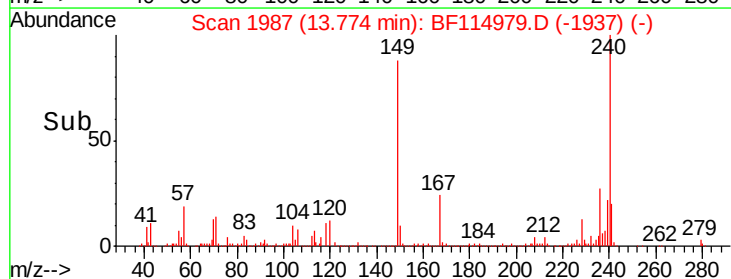
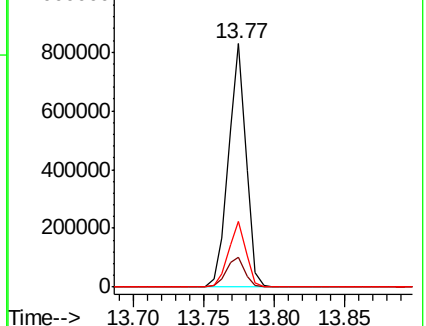
236 27.1 21.6 32.4

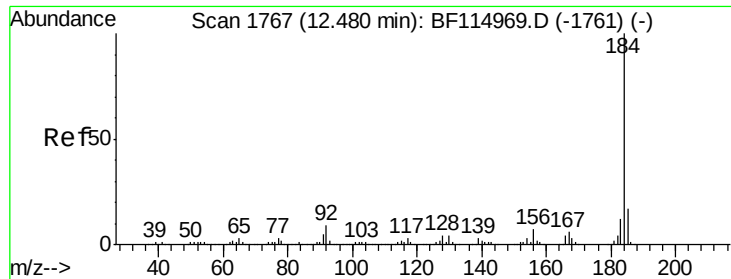


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 17.830 ng

RT: 12.47 min Scan# 1766

Delta R.T. -0.01 min

Lab File: BF114979.D

Acq: 12 Jun 2019 17:17

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2019

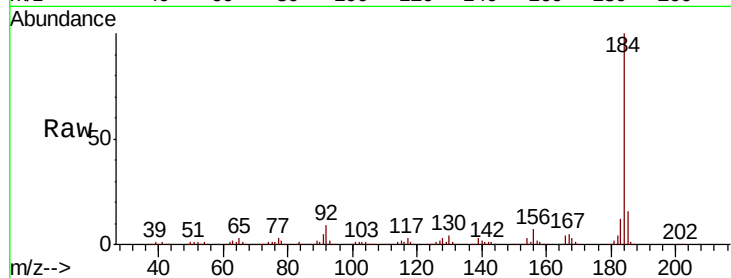
Tgt Ion:184 Resp: 517353

Ion Ratio Lower Upper

184 100

185 16.1 13.4 20.0

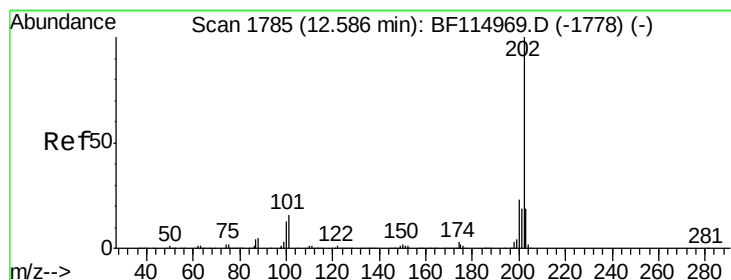
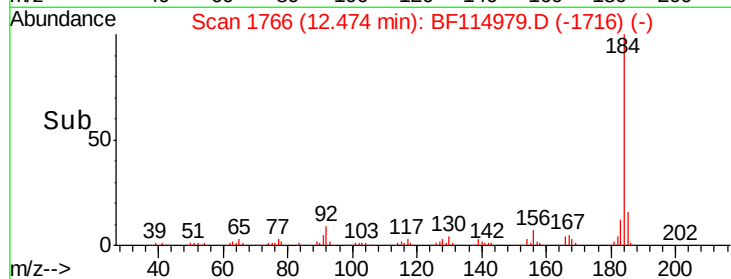
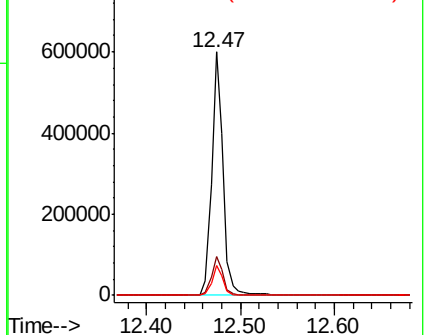
183 12.1 9.8 14.6



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 17.955 ng

RT: 12.58 min Scan# 1784

Delta R.T. -0.01 min

Lab File: BF114979.D

Acq: 12 Jun 2019 17:17

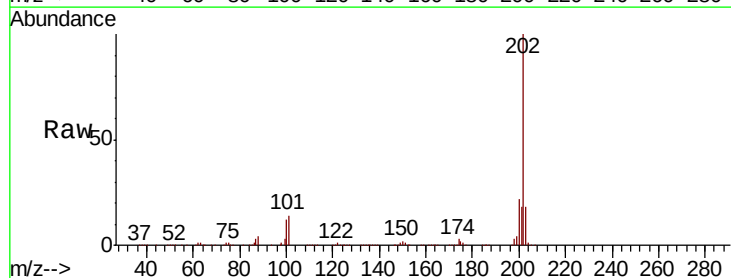
Tgt Ion:202 Resp: 1173402

Ion Ratio Lower Upper

202 100

200 22.0 18.4 27.6

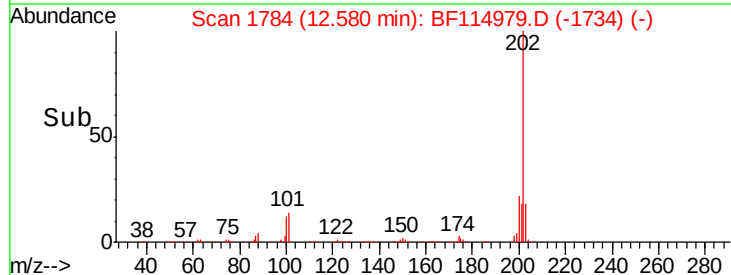
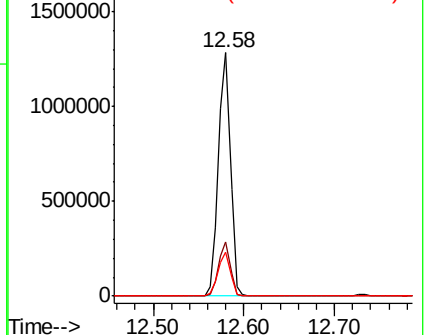
203 18.1 14.9 22.3

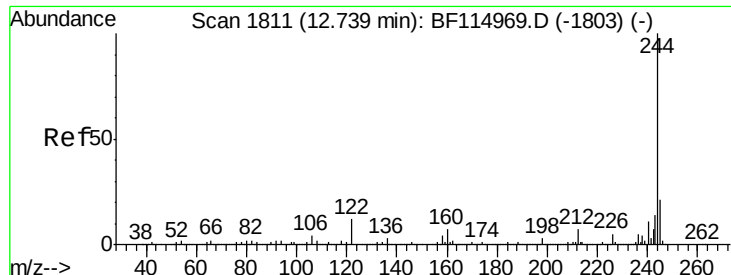


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 51.254 ng

RT: 12.73 min Scan# 1810

Delta R.T. -0.01 min

Lab File: BF114979.D

Acq: 12 Jun 2019 17:17

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2019

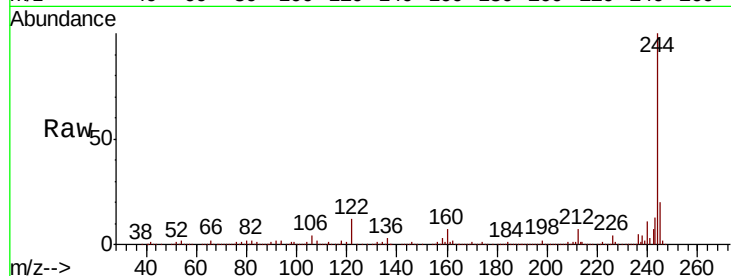
Tgt Ion:244 Resp: 1954884

Ion Ratio Lower Upper

244 100

212 6.9 5.8 8.8

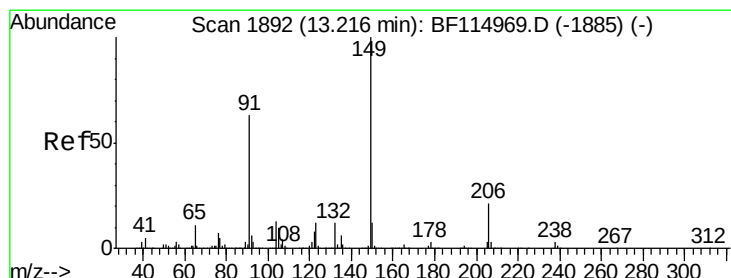
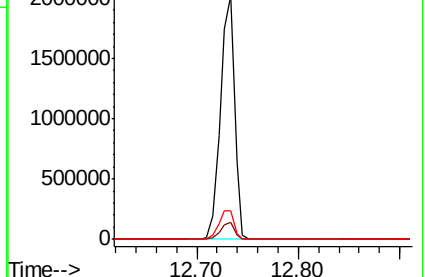
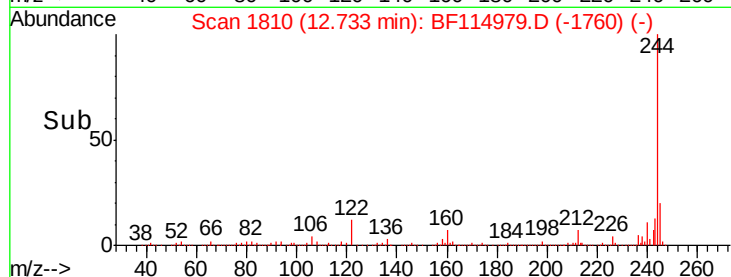
122 11.6 9.4 14.0



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 17.090 ng

RT: 13.21 min Scan# 1891

Delta R.T. -0.01 min

Lab File: BF114979.D

Acq: 12 Jun 2019 17:17

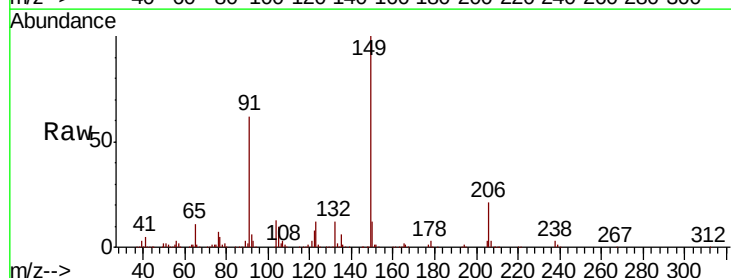
Tgt Ion:149 Resp: 521674

Ion Ratio Lower Upper

149 100

91 62.4 50.6 76.0

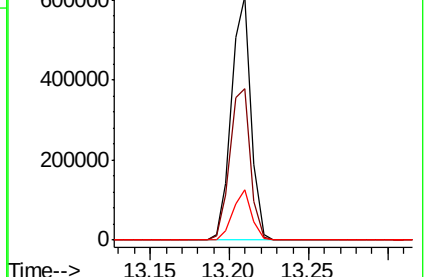
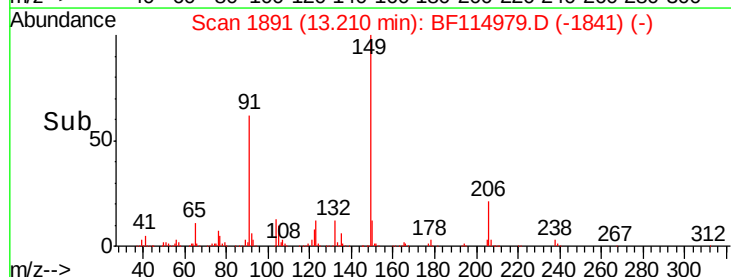
206 20.8 16.7 25.1

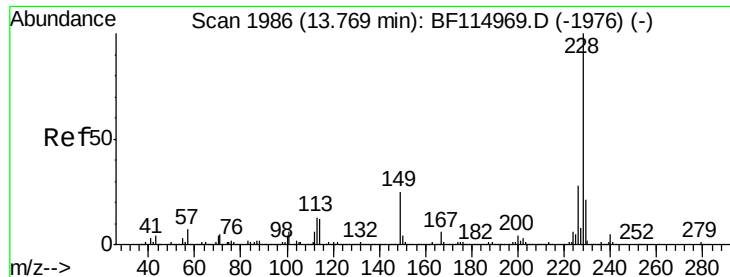


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 18.410 ng

RT: 13.76 min Scan# 1985

Delta R.T. -0.01 min

Lab File: BF114979.D

Acq: 12 Jun 2019 17:17

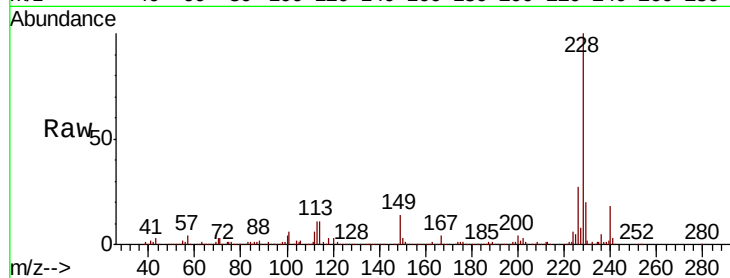
Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2019

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

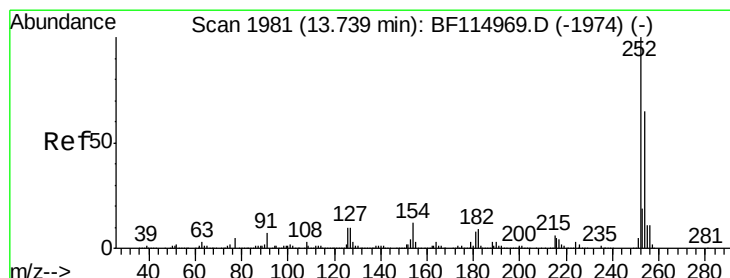
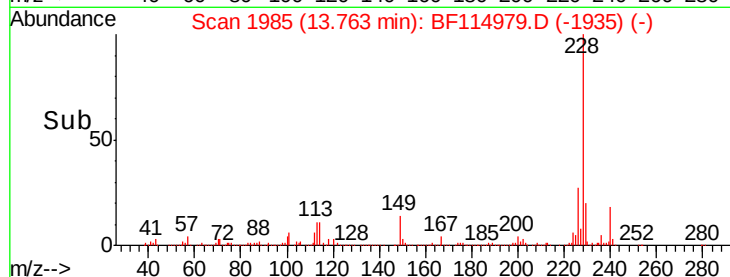
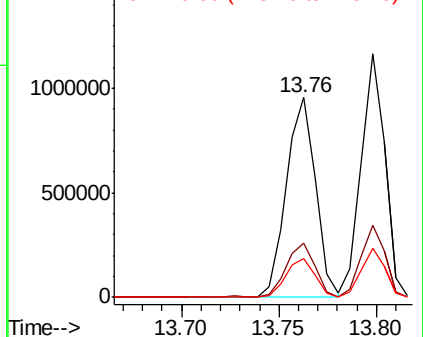


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 19.032 ng

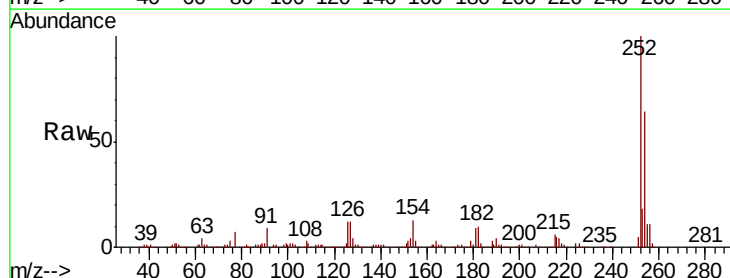
RT: 13.73 min Scan# 1979

Delta R.T. -0.01 min

Lab File: BF114979.D

Acq: 12 Jun 2019 17:17

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

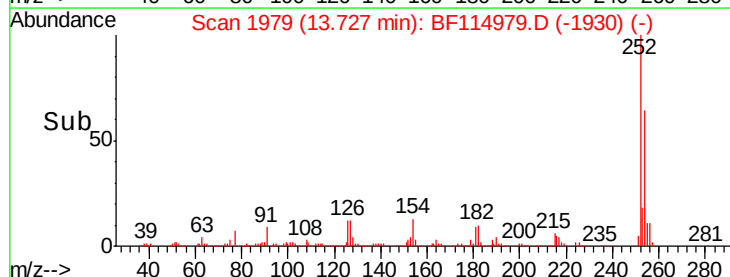
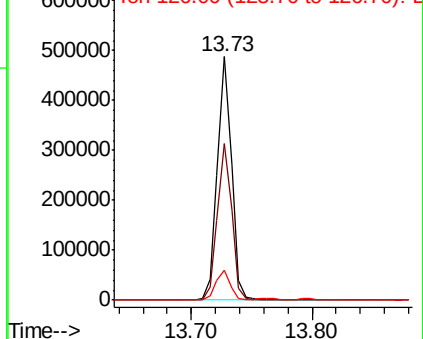


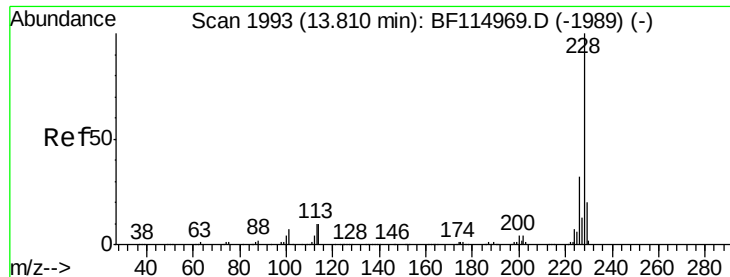
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#83

Chrysene

Concen: 18.608 ng

RT: 13.80 min Scan# 1991

Delta R.T. -0.01 min

Lab File: BF114979.D

Acq: 12 Jun 2019 17:17

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2019

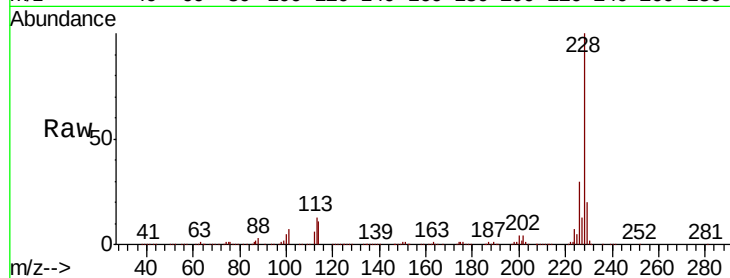
Tgt Ion:228 Resp: 993337

Ion Ratio Lower Upper

228 100

226 29.9 25.4 38.0

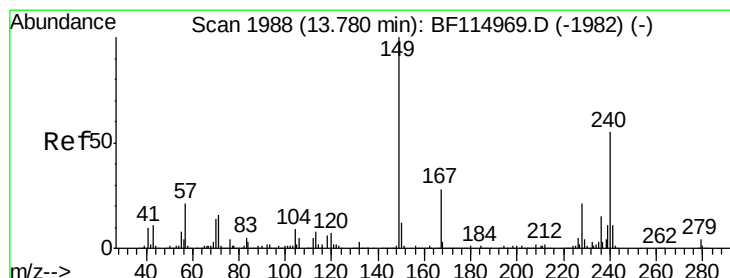
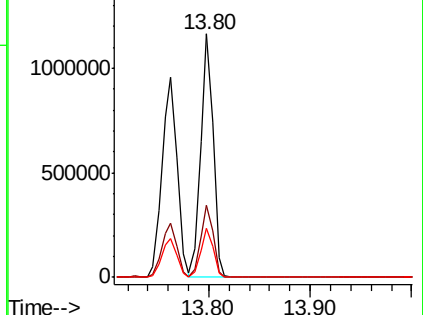
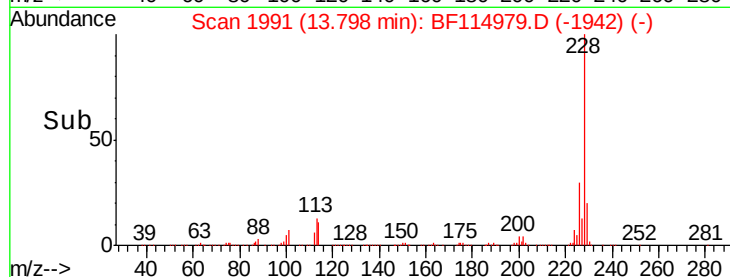
229 20.3 16.4 24.6



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 18.015 ng

RT: 13.77 min Scan# 1987

Delta R.T. -0.01 min

Lab File: BF114979.D

Acq: 12 Jun 2019 17:17

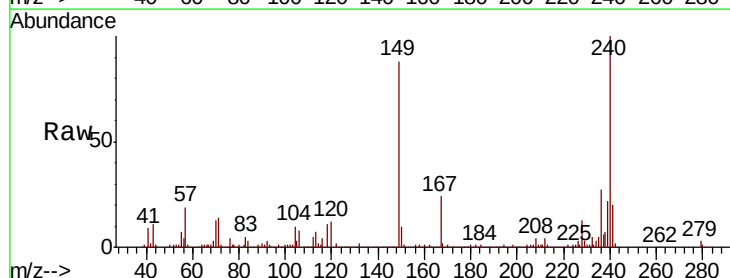
Tgt Ion:149 Resp: 649923

Ion Ratio Lower Upper

149 100

167 27.0 22.2 33.4

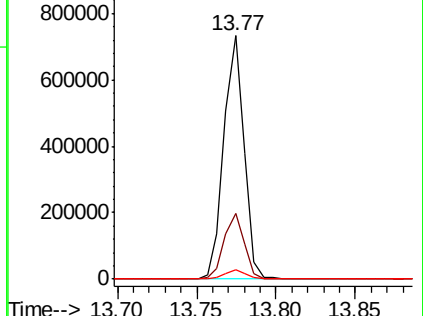
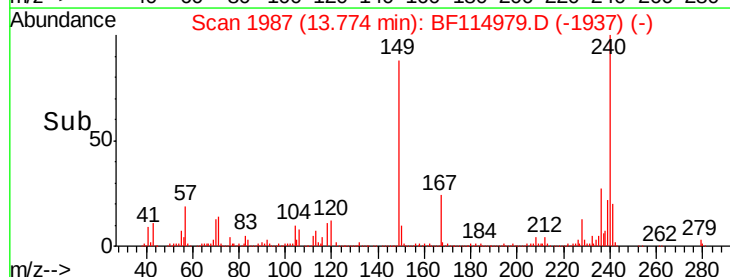
279 3.8 3.4 5.0

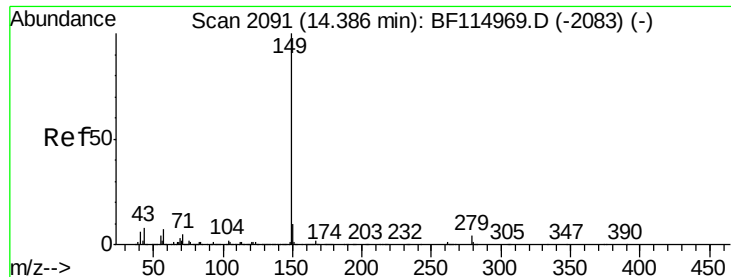


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

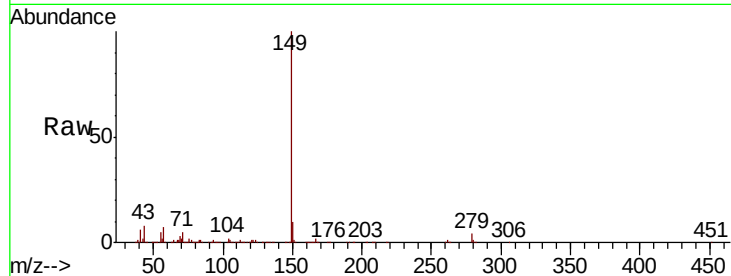




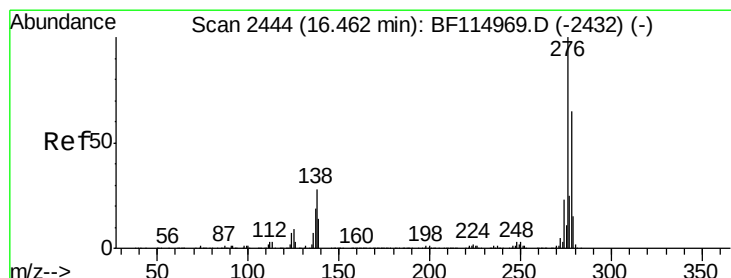
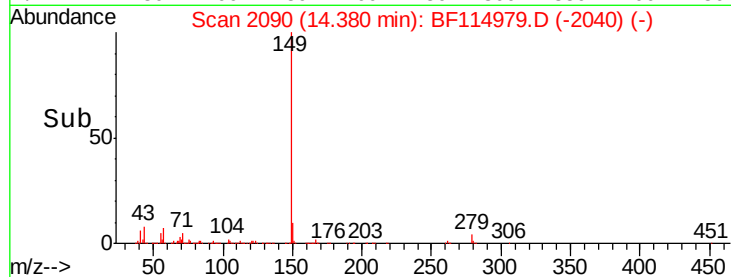
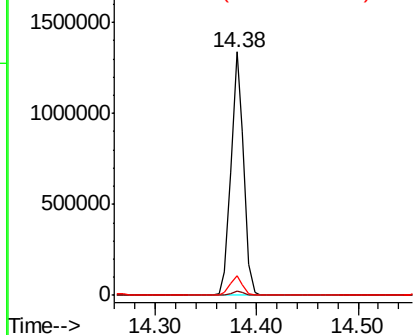
#85
Di-n-octyl phthalate
Concen: 18.535 ng
RT: 14.38 min Scan# 2090
Delta R.T. -0.01 min
Lab File: BF114979.D
Acq: 12 Jun 2019 17:17

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

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

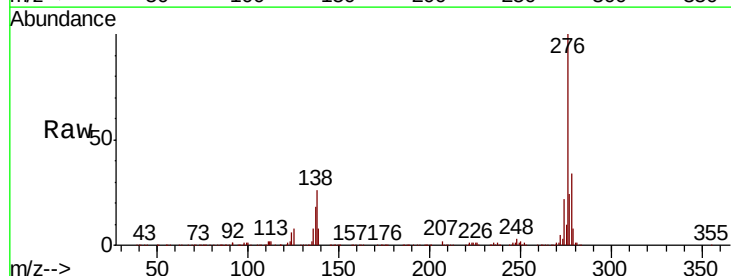


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BF1

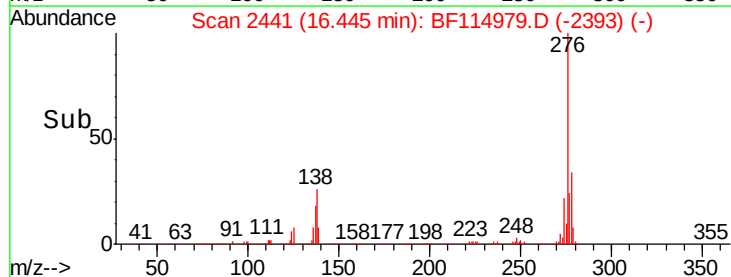
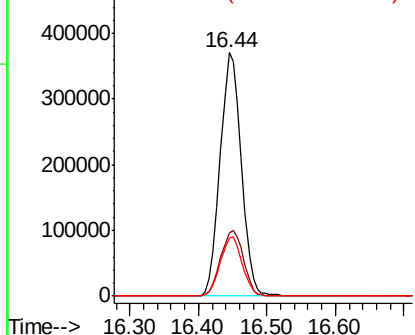


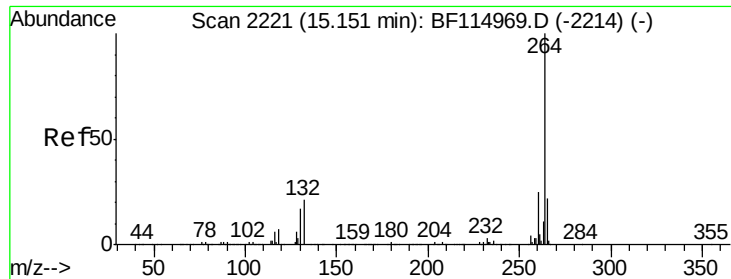
#86
Indeno(1,2,3-cd)pyrene
Concen: 17.018 ng
RT: 16.44 min Scan# 2441
Delta R.T. -0.02 min
Lab File: BF114979.D
Acq: 12 Jun 2019 17:17

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



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

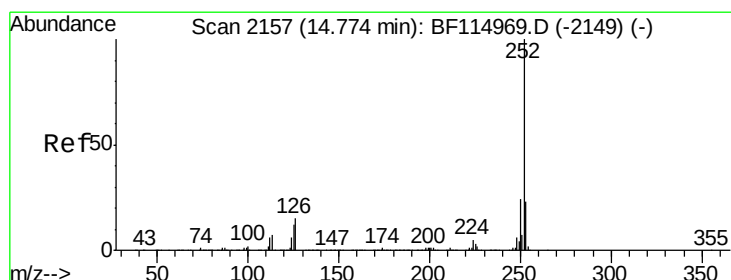
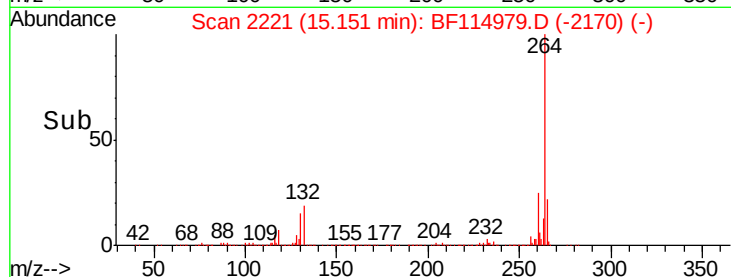
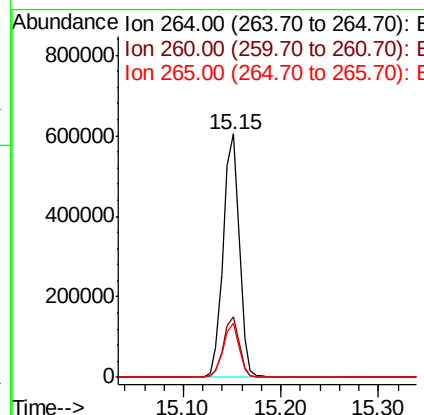
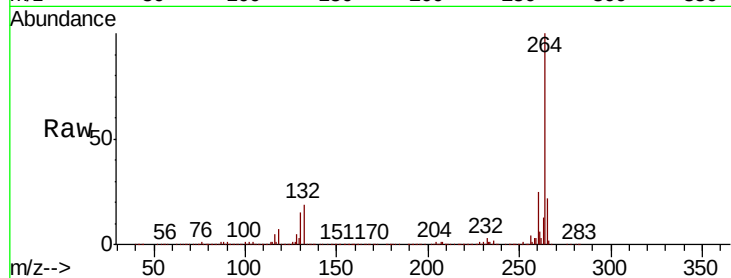




#87
Perylene-d12
Concen: 20.000 ng
RT: 15.15 min Scan# 2221
Delta R.T. -0.00 min
Lab File: BF114979.D
Acq: 12 Jun 2019 17:17

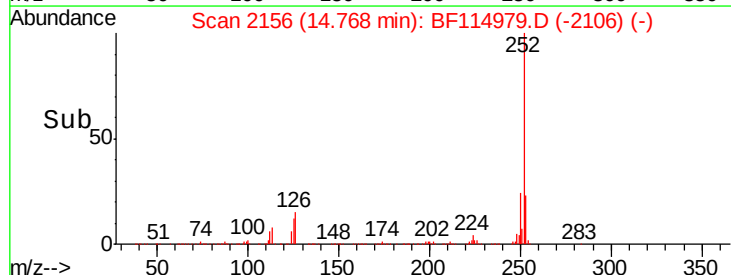
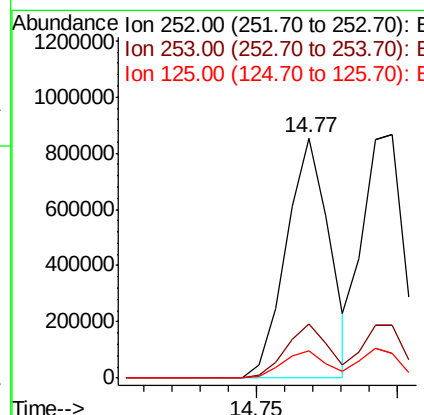
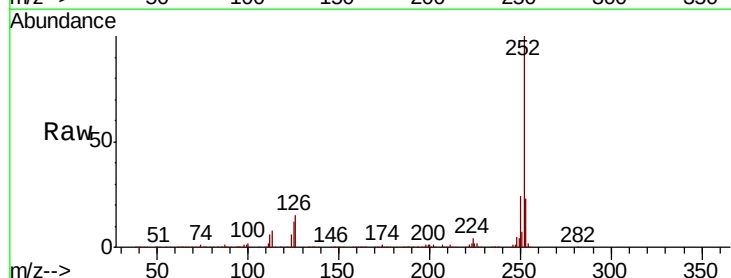
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2019

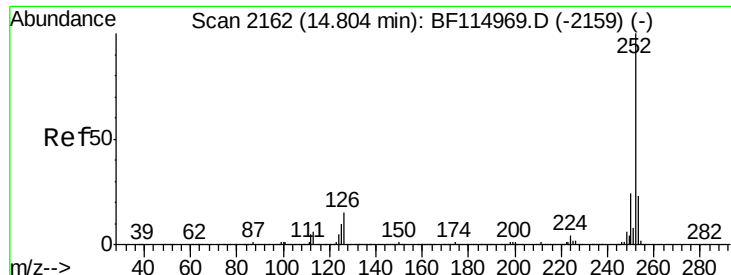
Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.9	29.9
265	22.0	17.6	26.4



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

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

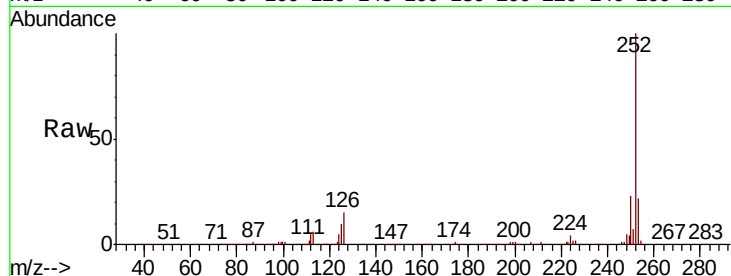




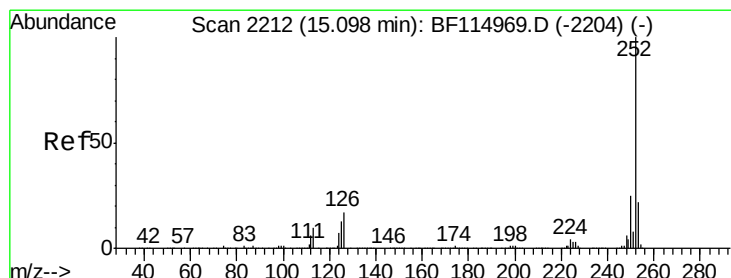
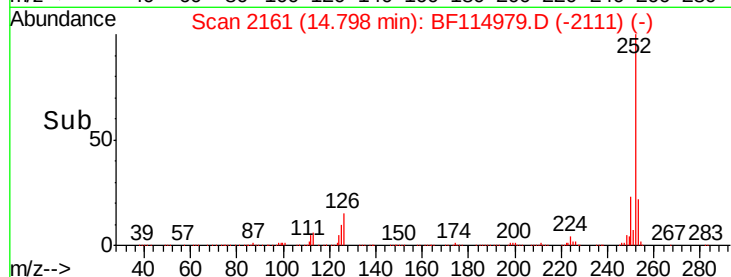
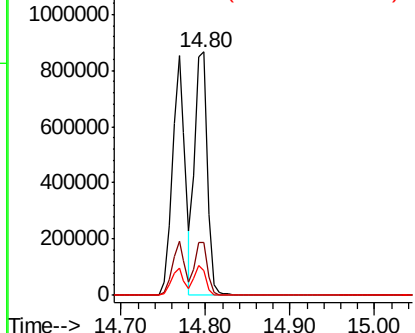
#89
Benzo(k)fluoranthene
Concen: 21.570 ng
RT: 14.80 min Scan# 2161
Delta R.T. -0.01 min
Lab File: BF114979.D
Acq: 12 Jun 2019 17:17

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

Tgt Ion:252 Resp: 883344
Ion Ratio Lower Upper
252 100
253 21.6 18.0 27.0
125 10.0 8.2 12.4

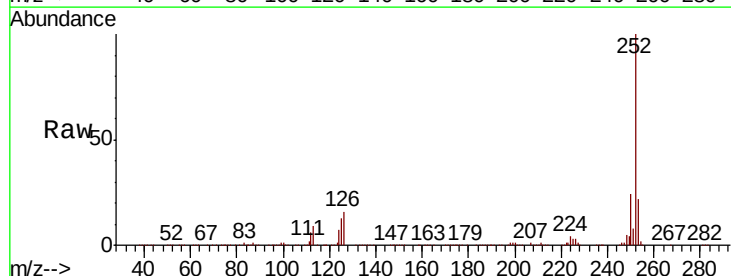


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

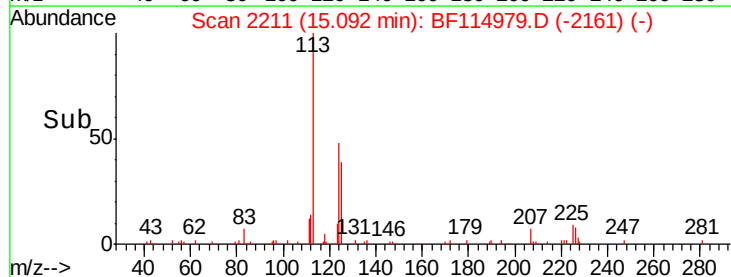
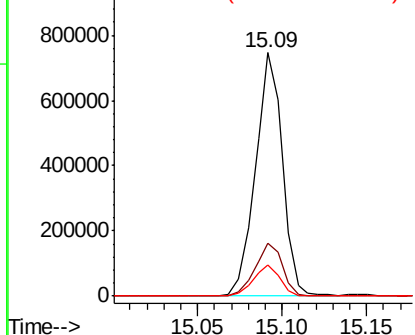


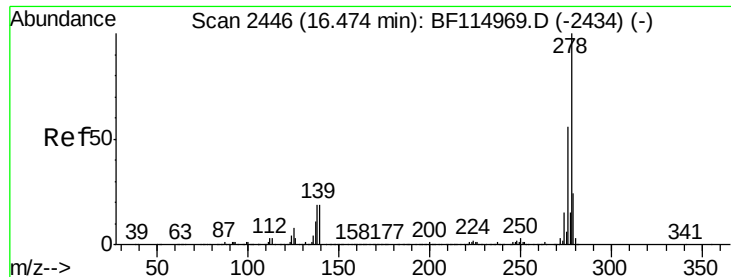
#90
Benzo(a)pyrene
Concen: 20.607 ng
RT: 15.09 min Scan# 2211
Delta R.T. -0.01 min
Lab File: BF114979.D
Acq: 12 Jun 2019 17:17

Tgt Ion:252 Resp: 829614
Ion Ratio Lower Upper
252 100
253 21.8 17.8 26.8
125 12.6 10.7 16.1



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#91

Dibenzo(a,h)anthracene

Concen: 19.380 ng

RT: 16.46 min Scan# 2444

Delta R.T. -0.01 min

Lab File: BF114979.D

Acq: 12 Jun 2019 17:17

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2019

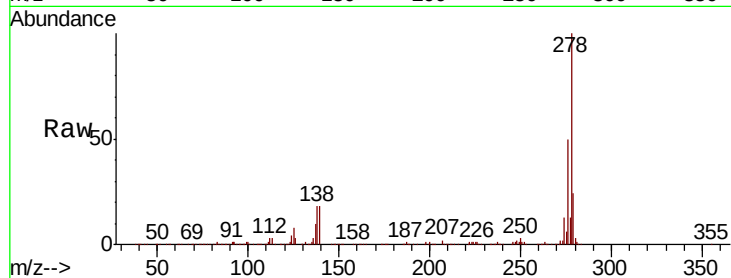
Tgt Ion:278 Resp: 671918

Ion Ratio Lower Upper

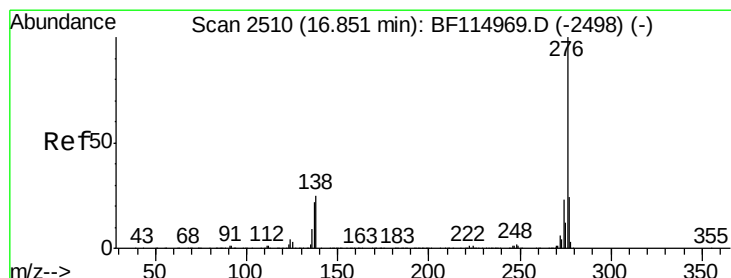
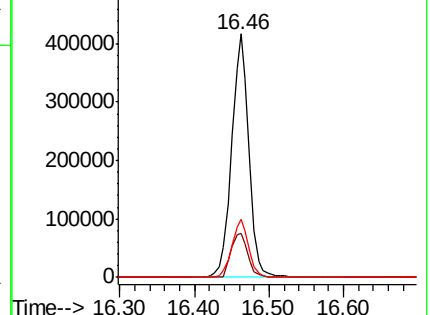
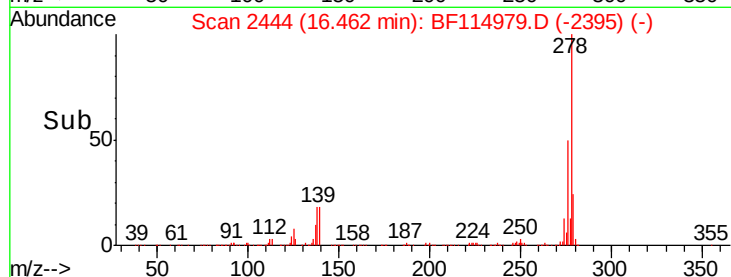
278 100

139 18.3 15.3 22.9

279 24.1 19.2 28.8



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: 18.695 ng

RT: 16.83 min Scan# 2507

Delta R.T. -0.02 min

Lab File: BF114979.D

Acq: 12 Jun 2019 17:17

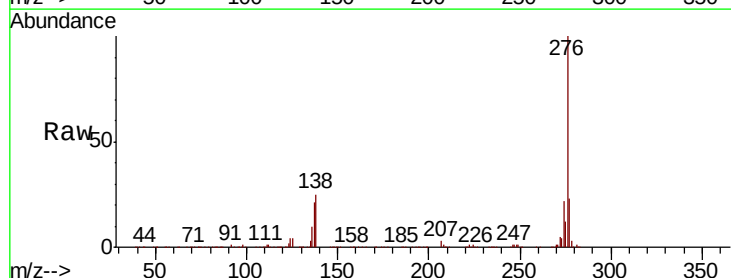
Tgt Ion:276 Resp: 661053

Ion Ratio Lower Upper

276 100

277 23.3 18.8 28.2

138 24.9 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

