

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072418\
 Data File : BF107631.D
 Acq On : 24 Jul 2018 20:46
 Operator : JU/SJ
 Sample : J4098-04MS
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GL-TOPSOIL-03MS

Quant Time: Jul 25 01:04:26 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 20 16:29:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	258665	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	929214	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	350820	20.00	ng	0.00
63) Phenanthrene-d10	11.51	188	623580	20.00	ng	0.00
75) Chrysene-d12	14.16	240	426095	20.00	ng	0.00
86) Perylene-d12	15.69	264	354560	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.61	112	1774743	110.31	ng	0.00
7) Phenol-d6	6.62	99	2046231	105.93	ng	0.00
23) Nitrobenzene-d5	7.54	82	1302047	94.57	ng	0.00
41) 2,4,6-Tribromophenol	10.81	330	475581	119.21	ng	0.00
44) 2-Fluorobiphenyl	9.33	172	1942428	99.21	ng	0.00
78) Terphenyl-d14	13.09	244	1612247	96.87	ng	-0.01

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.89	88	201280	26.880	ng	# 86
3) Pyridine	3.67	79	540448	26.530	ng	86
4) n-Nitrosodimethylamine	3.63	42	255680	29.759	ng	93
6) Aniline	6.67	93	424372	17.033	ng	98
8) 2-Chlorophenol	6.77	128	577152	33.485	ng	98
9) Benzaldehyde	6.52	77	200579	13.898	ng	94
10) Phenol	6.63	94	681875	30.014	ng	91
11) bis(2-Chloroethyl)ether	6.71	93	573147	30.429	ng	93
12) 1,3-Dichlorobenzene	6.91	146	625780	32.022	ng	97
13) 1,4-Dichlorobenzene	6.99	146	649879	32.446	ng	99
14) 1,2-Dichlorobenzene	7.14	146	575945	32.042	ng	100
15) Benzyl Alcohol	7.11	79	502506	38.168	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.24	45	926524	29.158	ng	69
17) 2-Methylphenol	7.22	107	475421	32.453	ng	# 92
18) Hexachloroethane	7.48	117	164606	23.431	ng	98
19) n-Nitroso-di-n-propylamine	7.38	70	387853	31.079	ng	96
20) 3+4-Methylphenols	7.38	107	571615	32.860	ng	# 58
22) Acetophenone	7.38	105	811592	37.190	ng	# 89
24) Nitrobenzene	7.56	77	581308	36.861	ng	95
25) Isophorone	7.79	82	1043420	35.492	ng	98
26) 2-Nitrophenol	7.87	139	272345	40.895	ng	100
27) 2,4-Dimethylphenol	7.91	122	492247	39.049	ng	98
28) bis(2-Chloroethoxy)methane	8.00	93	686583	34.946	ng	99
29) 2,4-Dichlorophenol	8.11	162	458391	35.577	ng	100
30) 1,2,4-Trichlorobenzene	8.19	180	482398	33.334	ng	98
31) Naphthalene	8.28	128	1538595	37.654	ng	99
32) Benzoic acid	7.91	122	492247	54.628	ng	# 14
33) 4-Chloroaniline	8.34	127	278225	15.578	ng	97
34) Hexachlorobutadiene	8.38	225	278786	32.421	ng	100
35) Caprolactam	8.70	113	129997	31.019	ng	# 82
36) 4-Chloro-3-methylphenol	8.81	107	455726	31.841	ng	97
37) 2-Methylnaphthalene	8.97	142	998252	35.255	ng	98
39) 1,2,4,5-Tetrachlorobenzene	9.13	216	454135	38.811	ng	# 97
40) Hexachlorocyclopentadiene	9.11	237	26787	4.503	ng	95

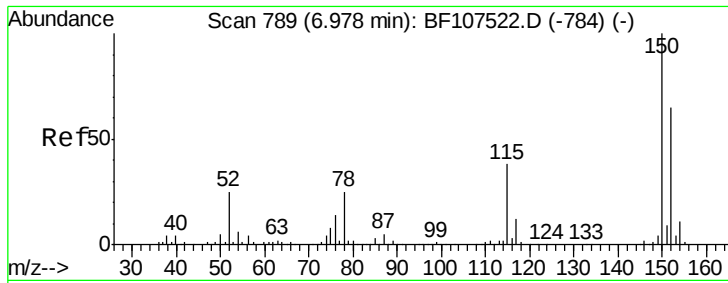
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072418\
 Data File : BF107631.D
 Acq On : 24 Jul 2018 20:46
 Operator : JU/SJ
 Sample : J4098-04MS
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GL-TOPSOIL-03MS

Quant Time: Jul 25 01:04:26 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 20 16:29:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.25	196	282992	37.784	ng	100
43) 2,4,5-Trichlorophenol	9.30	196	300263	38.358	ng	96
45) 1,1'-Biphenyl	9.43	154	1161156	37.995	ng	99
46) 2-Chloronaphthalene	9.46	162	854990	36.601	ng	98
47) 2-Nitroaniline	9.56	65	314969	46.250	ng	87
48) Acenaphthylene	9.88	152	1349066	38.445	ng	99
49) Dimethylphthalate	9.72	163	1227644	46.431	ng	99
50) 2,6-Dinitrotoluene	9.80	165	194773	37.104	ng	92
51) Acenaphthene	10.05	154	758417	34.495	ng	99
52) 3-Nitroaniline	9.97	138	208893	32.710	ng	98
53) 2,4-Dinitrophenol	10.11	184	1718	9.238	ng	# 1
54) Dibenzofuran	10.22	168	1127336	34.829	ng	98
55) 4-Nitrophenol	10.14	139	281932	58.965	ng	94
56) 2,4-Dinitrotoluene	10.20	165	231769	36.577	ng	94
57) Fluorene	10.57	166	868541	37.612	ng	95
58) 2,3,4,6-Tetrachlorophenol	10.34	232	233247	35.802	ng	# 87
59) Diethylphthalate	10.42	149	978344	35.430	ng	98
60) 4-Chlorophenyl-phenylether	10.55	204	436042	33.402	ng	93
61) 4-Nitroaniline	10.60	138	228421	42.572	ng	92
62) Azobenzene	10.71	77	831275	32.104	ng	94
64) 4,6-Dinitro-2-methylphenol	10.61	198	5110	10.071	ng	# 8
65) n-Nitrosodiphenylamine	10.67	169	772855	36.493	ng	99
66) 4-Bromophenyl-phenylether	11.04	248	251258	34.229	ng	# 89
67) Hexachlorobenzene	11.11	284	263254	32.594	ng	# 87
68) Atrazine	11.20	200	222211	34.365	ng	95
69) Pentachlorophenol	11.31	266	243427	48.252	ng	99
70) Phenanthrene	11.53	178	1185693	39.019	ng	99
71) Anthracene	11.58	178	1190285	38.904	ng	100
72) Carbazole	11.74	167	1114631	35.034	ng	99
73) Di-n-butylphthalate	12.05	149	1285996	37.354	ng	99
74) Fluoranthene	12.72	202	1482908	45.477	ng	97
77) Pyrene	12.96	202	1438929	49.371	ng	99
79) Butylbenzylphthalate	13.56	149	511792	40.832	ng	93
80) Benzo(a)anthracene	14.15	228	1089849	43.646	ng	98
81) 3,3'-Dichlorobenzidine	14.11	252	139053	15.221	ng	99
82) Chrysene	14.19	228	1076421	44.877	ng	100
83) Bis(2-ethylhexyl)phthalate	14.11	149	707186	39.987	ng	98
84) Di-n-octyl phthalate	14.73	149	1090287	39.662	ng	97
85) Indeno(1,2,3-cd)pyrene	17.28	276	789212	38.822	ng	# 91
87) Benzo(b)fluoranthene	15.24	252	958838	49.413	ng	98
88) Benzo(k)fluoranthene	15.27	252	724785	38.124	ng	99
89) Benzo(a)pyrene	15.63	252	815266	45.930	ng	98
90) Dibenzo(a,h)anthracene	17.29	278	584352	38.084	ng	97
91) Benzo(g,h,i)perylene	17.77	276	647561	42.786	ng	# 91

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

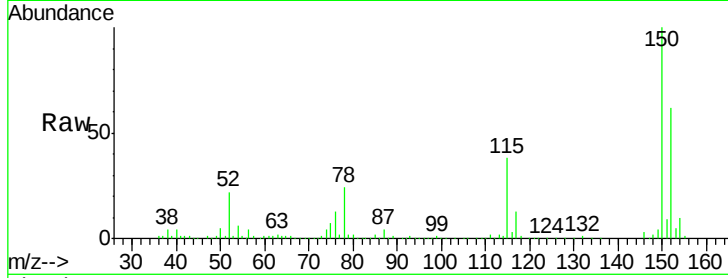


#1

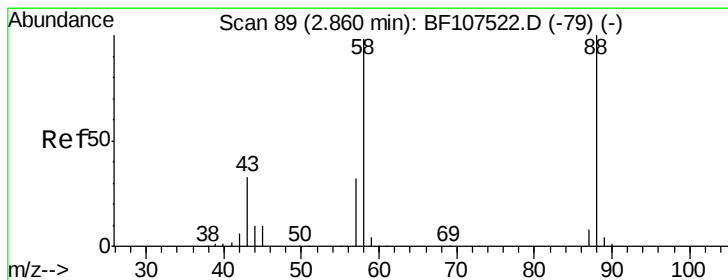
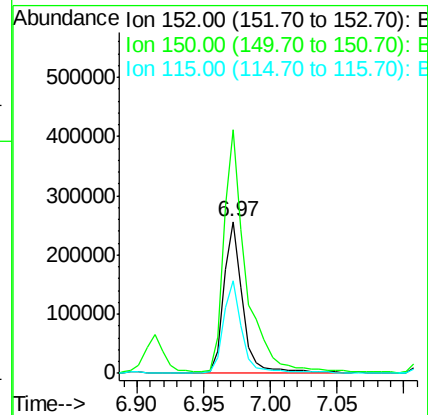
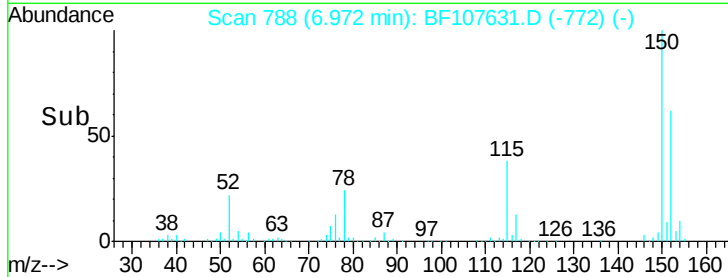
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 788
Delta R.T. -0.01 min
Lab File: BF107631.D
Acq: 24 Jul 2018 20:46

Instrument :
BNA_F
ClientSampleId :
GL-TOPSOIL-03MS

Tgt Ion:152 Resp: 258665
Ion Ratio Lower Upper
152 100
150 160.1 124.6 186.8
115 61.3 50.1 75.1



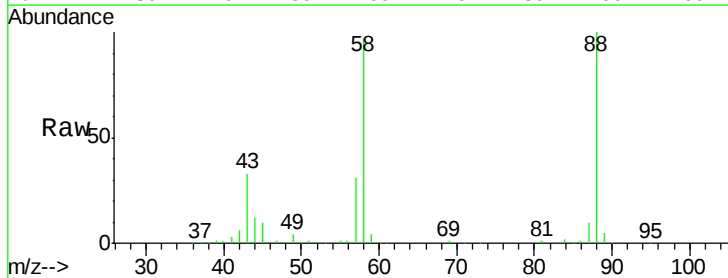
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



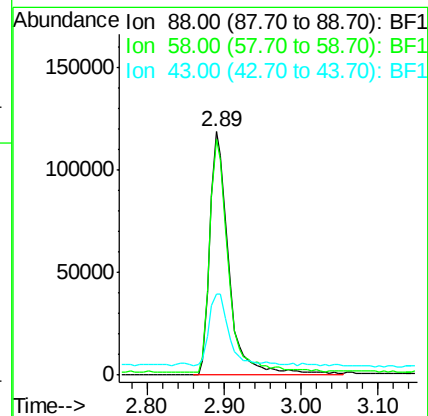
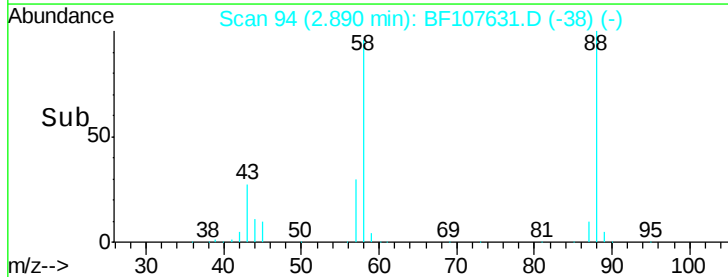
#2

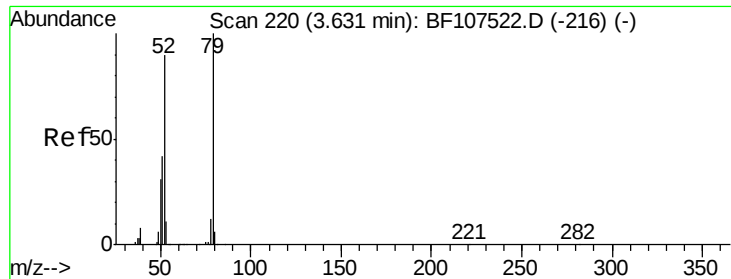
1,4-Dioxane
Concen: 26.880 ng
RT: 2.89 min Scan# 94
Delta R.T. 0.03 min
Lab File: BF107631.D
Acq: 24 Jul 2018 20:46

Tgt Ion: 88 Resp: 201280
Ion Ratio Lower Upper
88 100
58 94.6 62.6 93.8#
43 29.4 24.6 37.0



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: 26.530 ng

RT: 3.67 min Scan# 227

Delta R.T. 0.04 min

Lab File: BF107631.D

Acq: 24 Jul 2018 20:46

Instrument :

BNA_F

ClientSampleId :

GL-TOPSOIL-03MS

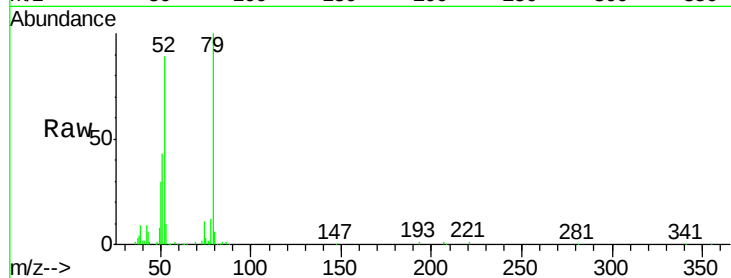
Tgt Ion: 79 Resp: 540448

Ion Ratio Lower Upper

79 100

52 88.9 59.8 89.6

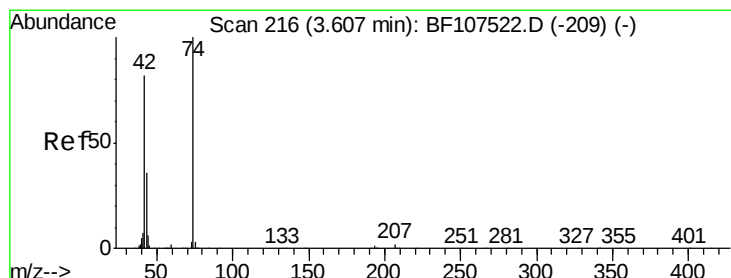
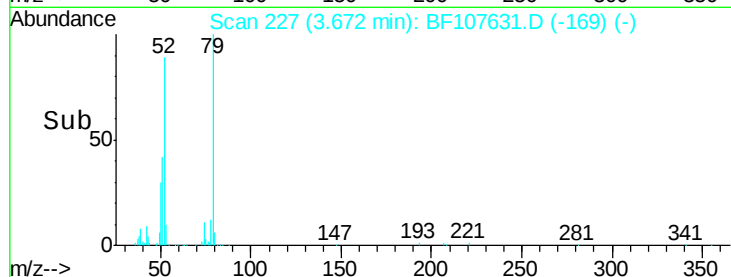
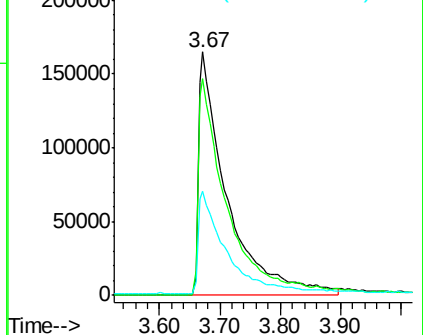
51 42.9 29.8 44.8



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: 29.759 ng

RT: 3.63 min Scan# 220

Delta R.T. 0.02 min

Lab File: BF107631.D

Acq: 24 Jul 2018 20:46

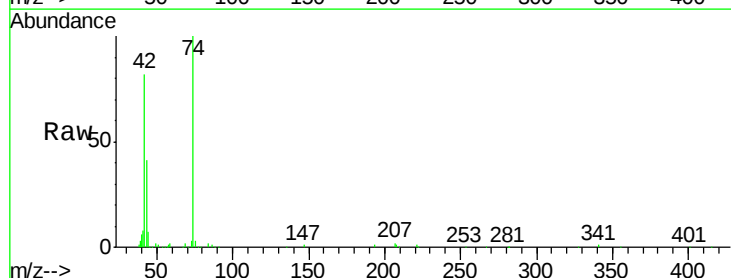
Tgt Ion: 42 Resp: 255680

Ion Ratio Lower Upper

42 100

74 121.9 104.9 157.3

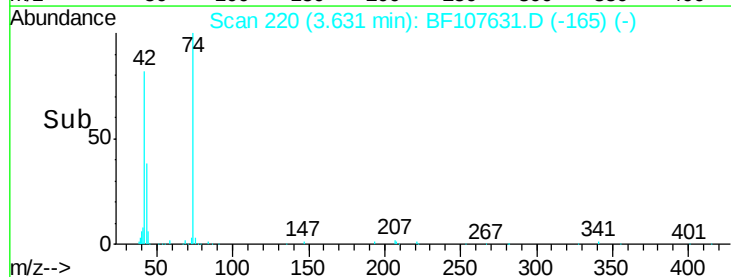
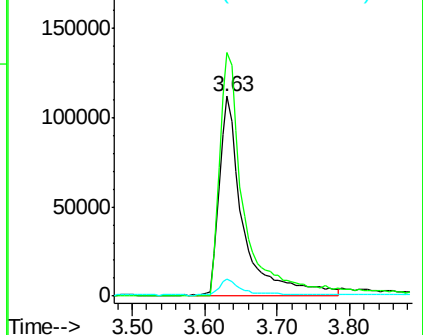
44 8.3 6.9 10.3

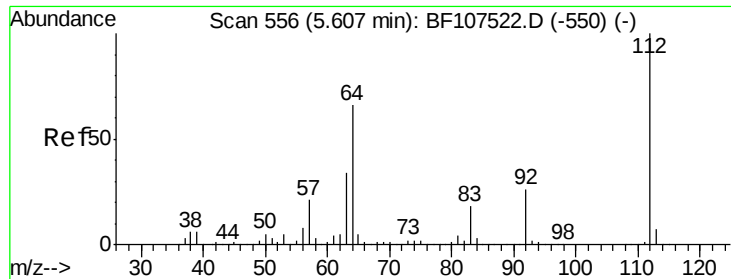


Abundance Ion 42.00 (41.70 to 42.70): BF1

Ion 74.00 (73.70 to 74.70): BF1

Ion 44.00 (43.70 to 44.70): BF1





#5

2-Fluorophenol

Concen: 110.314 ng

RT: 5.61 min Scan# 557

Delta R.T. 0.01 min

Lab File: BF107631.D

Acq: 24 Jul 2018 20:46

Instrument :

BNA_F

ClientSampleId :

GL-TOPSOIL-03MS

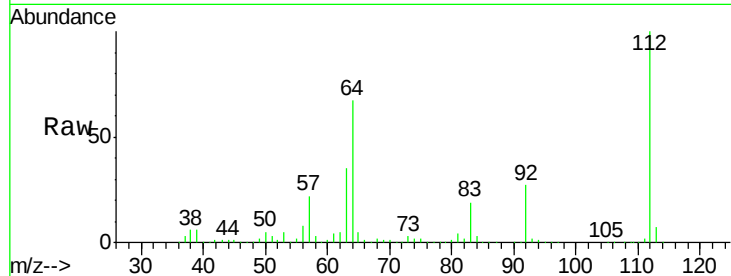
Tgt Ion:112 Resp: 1774743

Ion Ratio Lower Upper

112 100

64 66.6 47.9 71.9

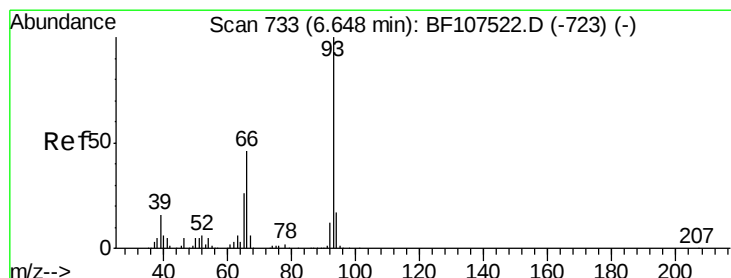
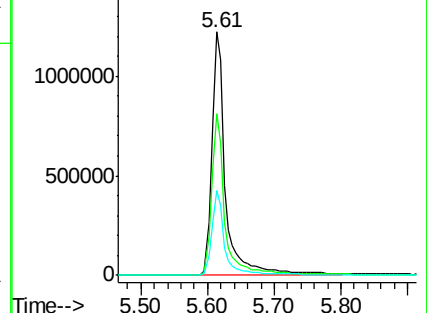
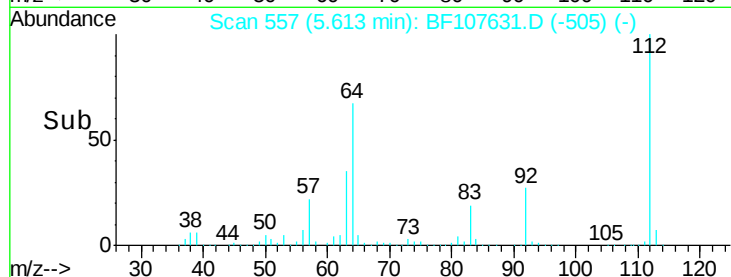
63 34.6 23.7 35.5



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: 17.033 ng

RT: 6.67 min Scan# 736

Delta R.T. 0.02 min

Lab File: BF107631.D

Acq: 24 Jul 2018 20:46

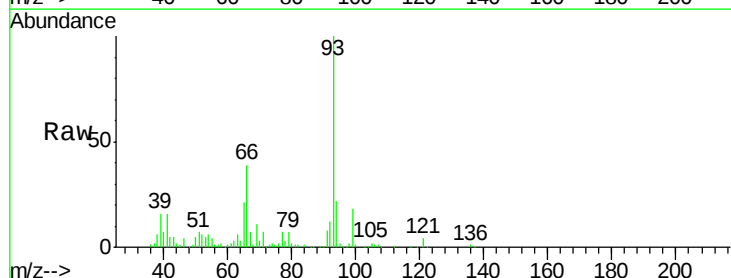
Tgt Ion: 93 Resp: 424372

Ion Ratio Lower Upper

93 100

66 38.9 32.2 48.2

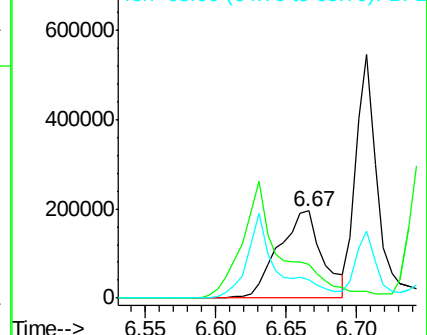
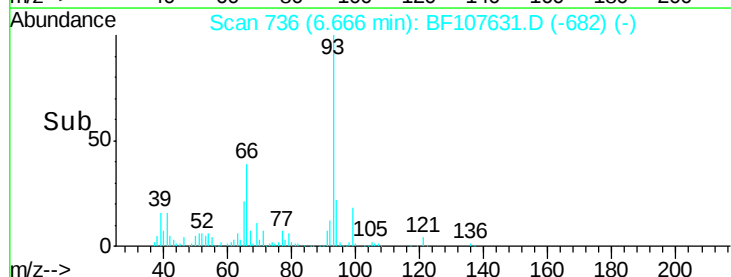
65 21.4 16.4 24.6

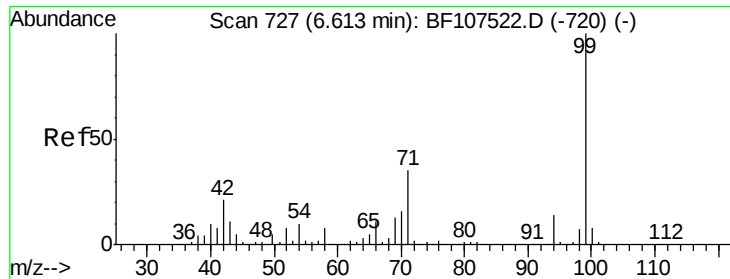


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 105.926 ng

RT: 6.62 min Scan# 728

Delta R.T. 0.01 min

Lab File: BF107631.D

Acq: 24 Jul 2018 20:46

Instrument :

BNA_F

ClientSampleId :

GL-TOPSOIL-03MS

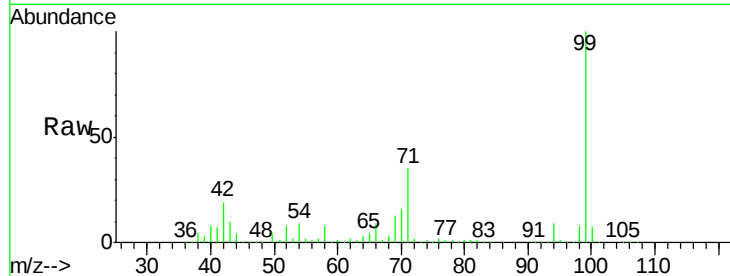
Tgt Ion: 99 Resp: 2046231

Ion Ratio Lower Upper

99 100

42 19.2 14.5 21.7

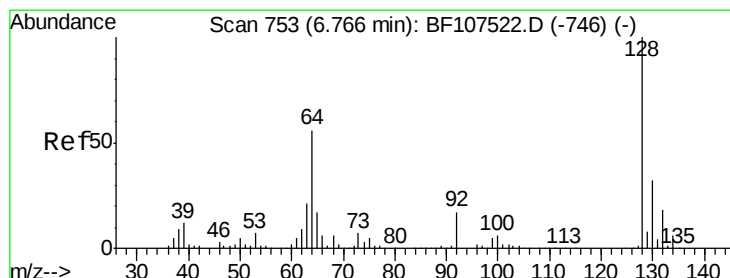
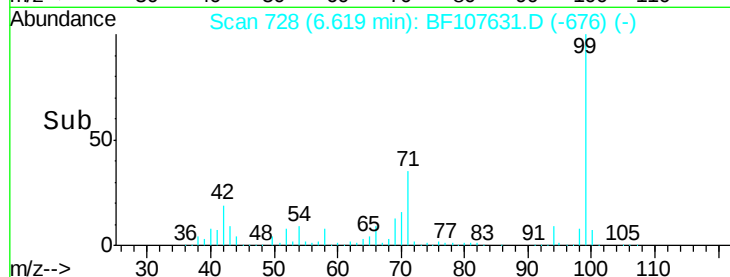
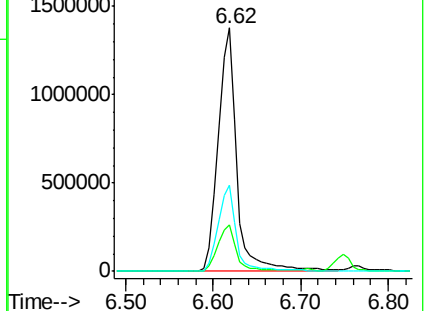
71 35.5 25.4 38.0



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: 33.485 ng

RT: 6.77 min Scan# 753

Delta R.T. 0.00 min

Lab File: BF107631.D

Acq: 24 Jul 2018 20:46

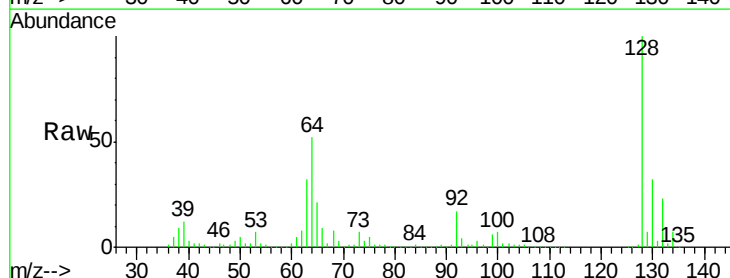
Tgt Ion: 128 Resp: 577152

Ion Ratio Lower Upper

128 100

130 32.3 13.0 53.0

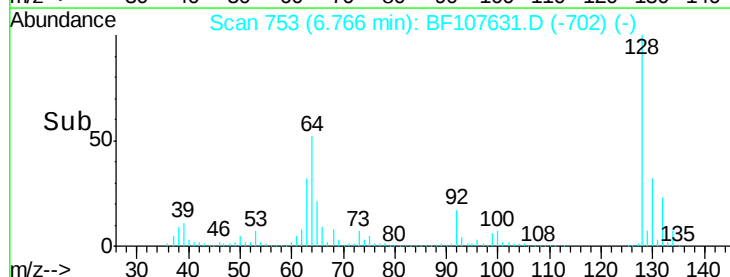
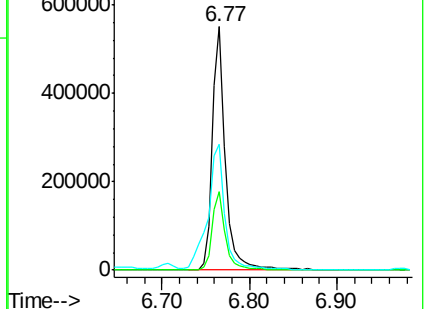
64 51.6 29.4 69.4

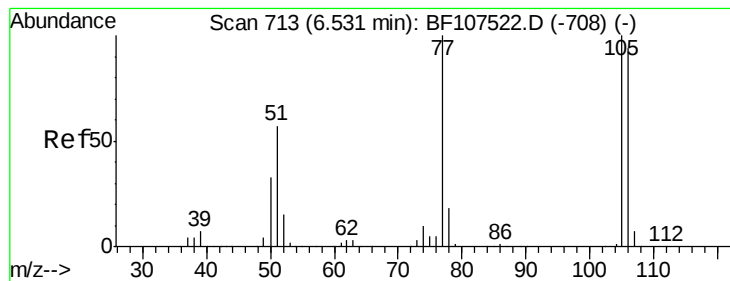


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 13.898 ng

RT: 6.52 min Scan# 712

Delta R.T. -0.01 min

Lab File: BF107631.D

Acq: 24 Jul 2018 20:46

Instrument :

BNA_F

ClientSampleId :

GL-TOPSOIL-03MS

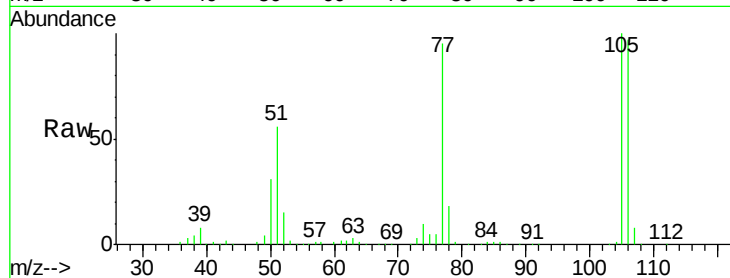
Tgt Ion: 77 Resp: 200579

Ion Ratio Lower Upper

77 100

105 105.3 81.1 121.1

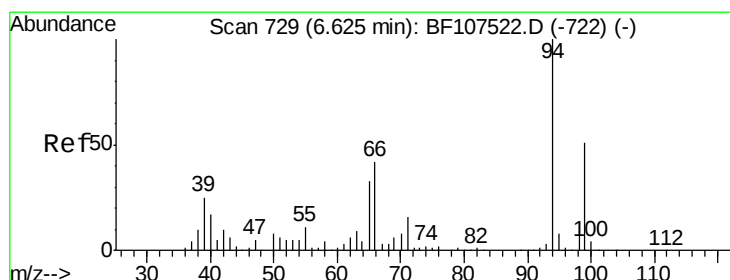
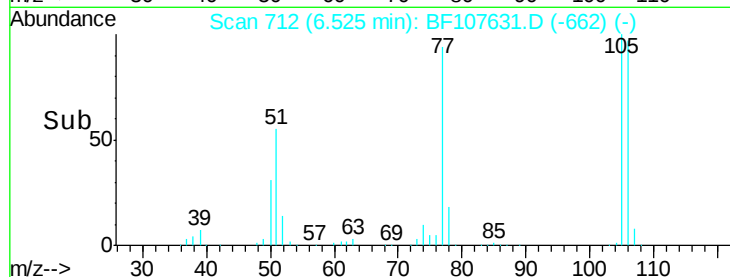
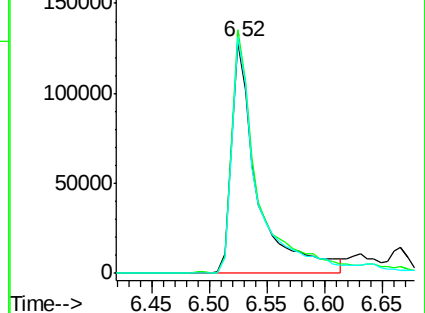
106 102.3 74.5 114.5



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: 30.014 ng

RT: 6.63 min Scan# 730

Delta R.T. 0.01 min

Lab File: BF107631.D

Acq: 24 Jul 2018 20:46

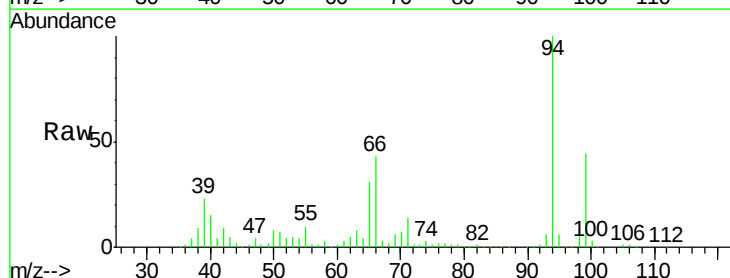
Tgt Ion: 94 Resp: 681875

Ion Ratio Lower Upper

94 100

65 31.0 7.9 47.9

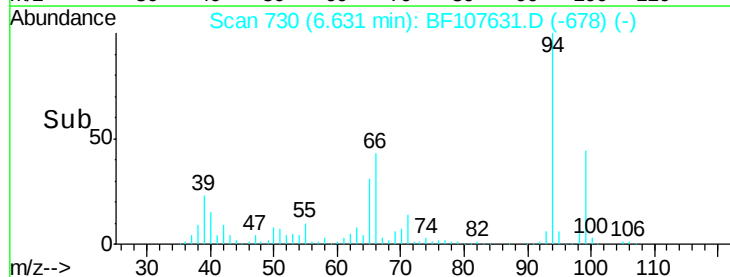
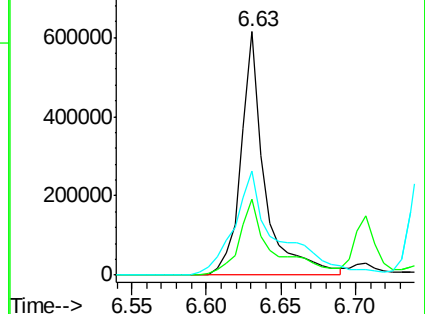
66 42.7 16.2 56.2

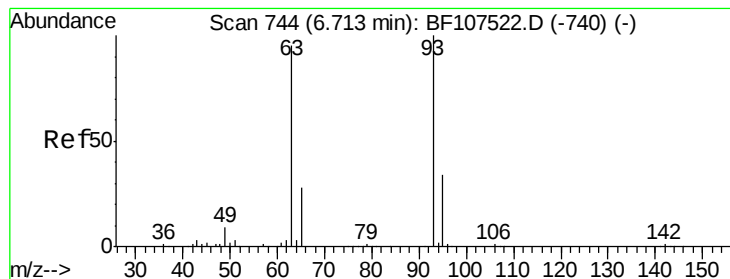


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





#11

bis(2-Chloroethyl)ether

Concen: 30.429 ng

RT: 6.71 min Scan# 743

Delta R.T. -0.01 min

Lab File: BF107631.D

Acq: 24 Jul 2018 20:46

Instrument :

BNA_F

ClientSampleId :

GL-TOPSOIL-03MS

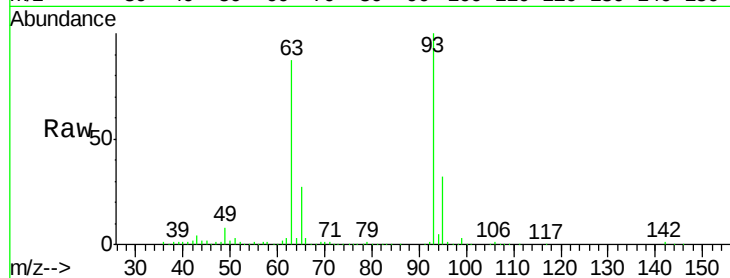
Tgt Ion: 93 Resp: 573147

Ion Ratio Lower Upper

93 100

63 87.1 58.6 98.6

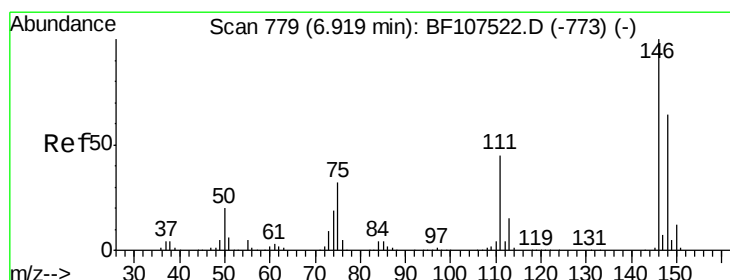
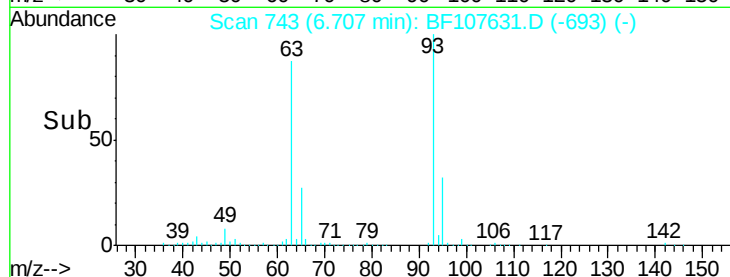
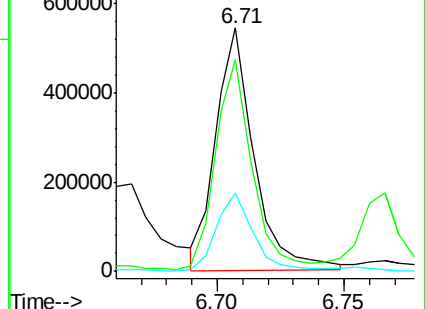
95 32.1 11.8 51.8



Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 63.00 (62.70 to 63.70): BF1

Ion 95.00 (94.70 to 95.70): BF1



#12

1,3-Dichlorobenzene

Concen: 32.022 ng

RT: 6.91 min Scan# 778

Delta R.T. -0.01 min

Lab File: BF107631.D

Acq: 24 Jul 2018 20:46

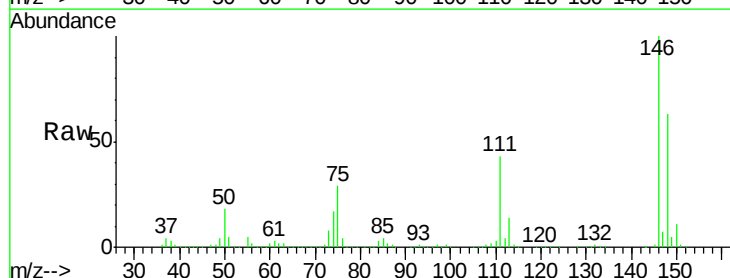
Tgt Ion: 146 Resp: 625780

Ion Ratio Lower Upper

146 100

148 62.5 51.8 77.8

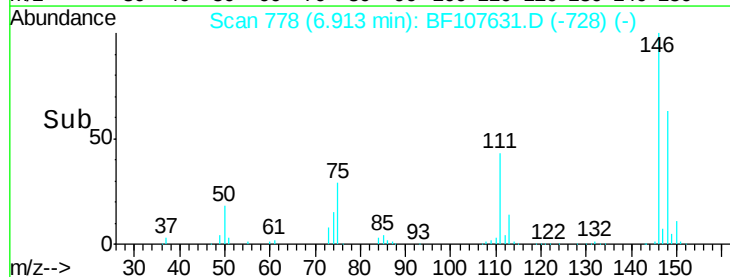
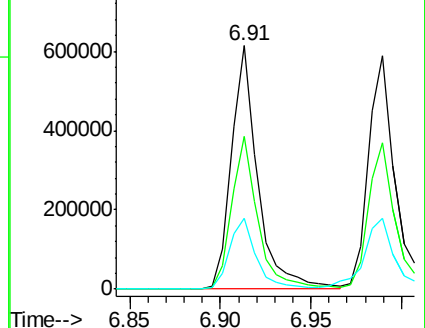
75 29.3 24.2 36.4

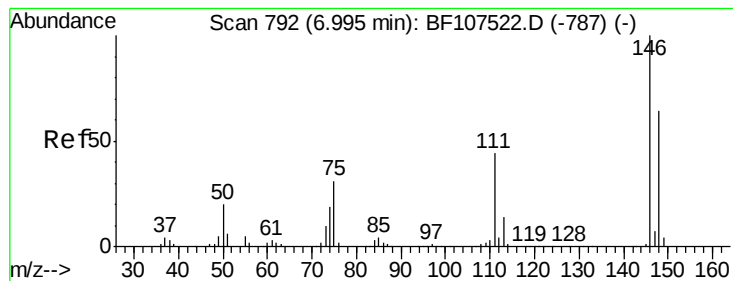


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 75.00 (74.70 to 75.70): BF1





#13

1,4-Dichlorobenzene

Concen: 32.446 ng

RT: 6.99 min Scan# 791

Delta R.T. -0.01 min

Lab File: BF107631.D

Acq: 24 Jul 2018 20:46

Instrument :

BNA_F

ClientSampleId :

GL-TOPSOIL-03MS

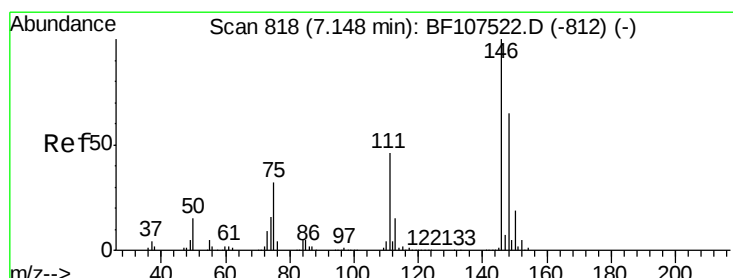
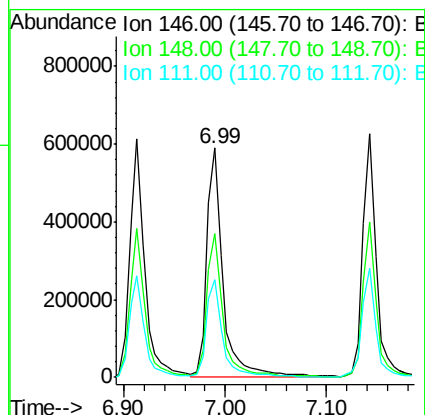
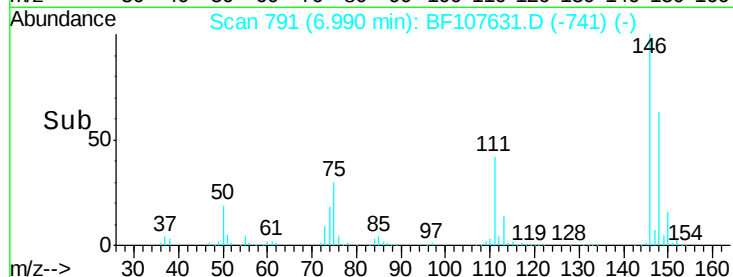
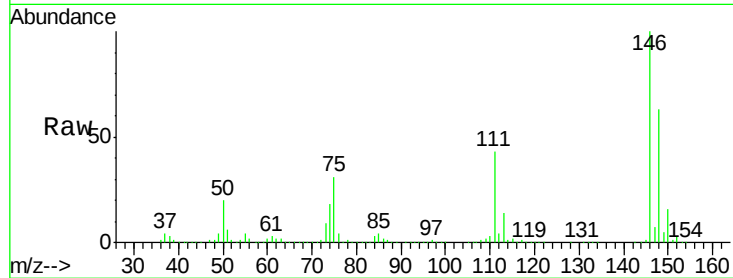
Tgt Ion:146 Resp: 649879

Ion Ratio Lower Upper

146 100

148 62.8 50.8 76.2

111 42.5 34.2 51.2



#14

1,2-Dichlorobenzene

Concen: 32.042 ng

RT: 7.14 min Scan# 817

Delta R.T. -0.01 min

Lab File: BF107631.D

Acq: 24 Jul 2018 20:46

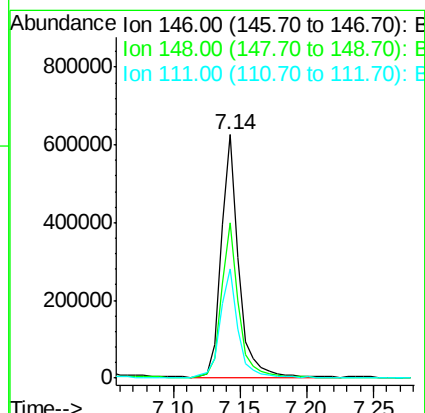
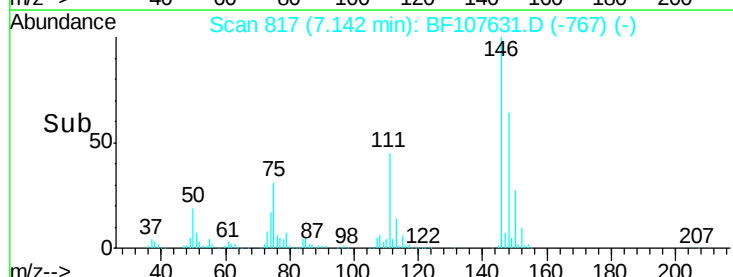
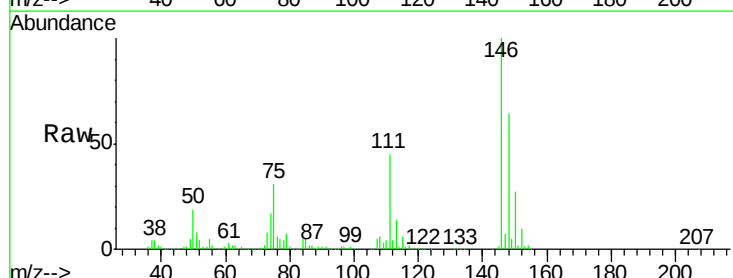
Tgt Ion:146 Resp: 575945

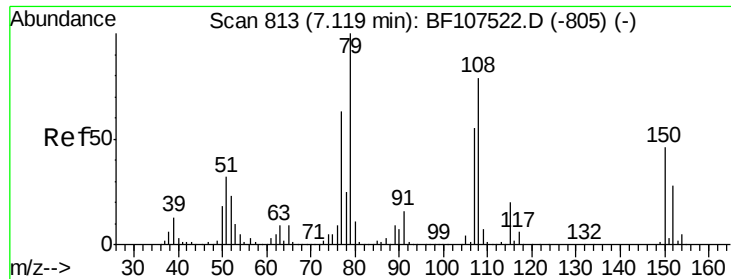
Ion Ratio Lower Upper

146 100

148 63.6 50.6 75.8

111 45.0 36.0 54.0

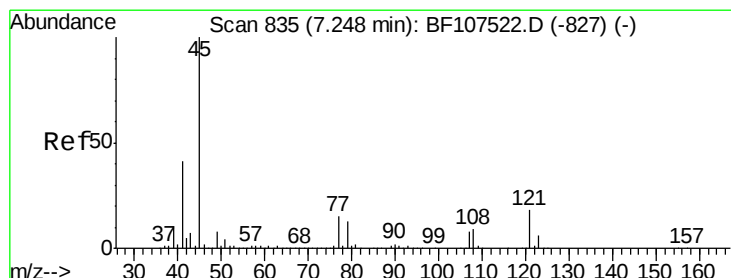
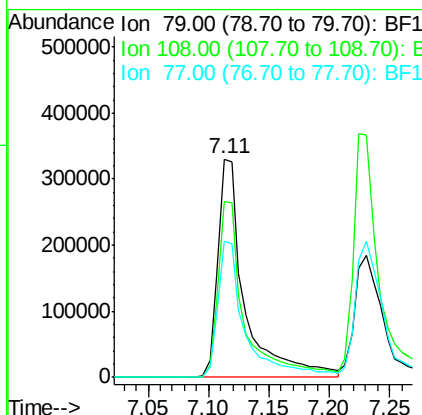
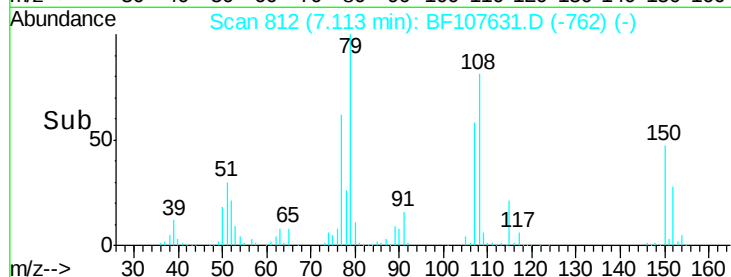
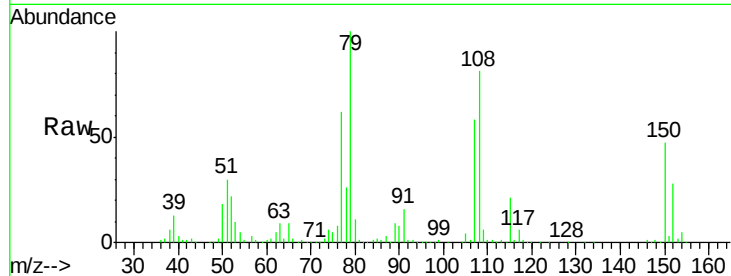




#15
Benzyl Alcohol
Concen: 38.168 ng
RT: 7.11 min Scan# 812
Delta R.T. -0.01 min
Lab File: BF107631.D
Acq: 24 Jul 2018 20:46

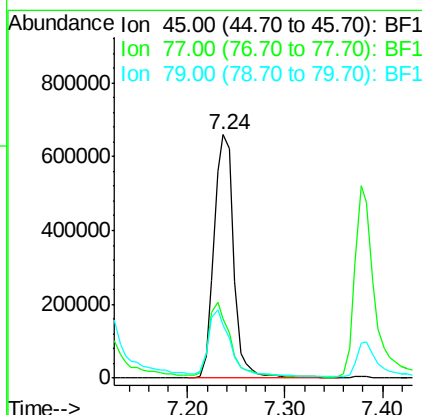
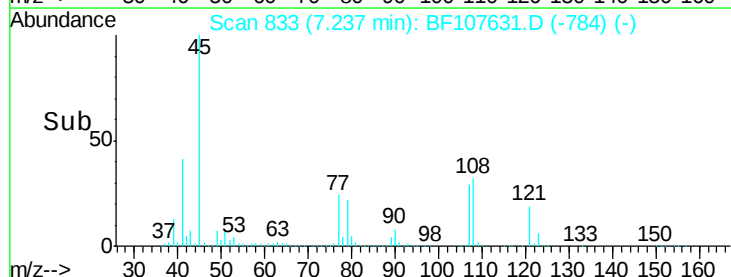
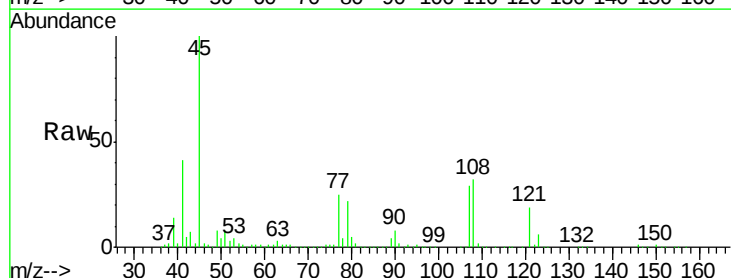
Instrument :
BNA_F
ClientSampleId :
GL-TOPSOIL-03MS

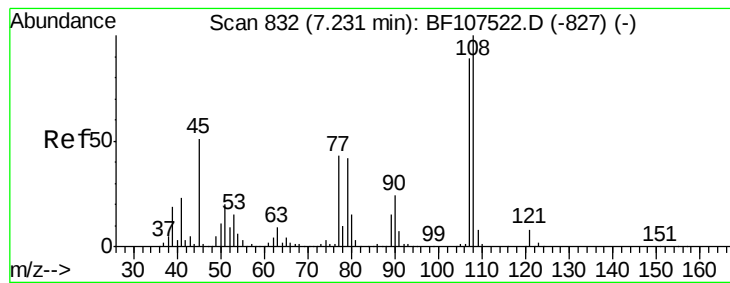
Tgt Ion: 79 Resp: 502506
Ion Ratio Lower Upper
79 100
108 80.7 65.1 97.7
77 62.4 50.6 75.8



#16
2,2'-oxybis(1-Chloropropane)
Concen: 29.158 ng
RT: 7.24 min Scan# 833
Delta R.T. -0.01 min
Lab File: BF107631.D
Acq: 24 Jul 2018 20:46

Tgt Ion: 45 Resp: 926524
Ion Ratio Lower Upper
45 100
77 24.6 0.0 32.9
79 21.6 0.0 29.6





#17

2-Methylphenol

Concen: 32.453 ng

RT: 7.22 min Scan# 831

Delta R.T. -0.01 min

Lab File: BF107631.D

Acq: 24 Jul 2018 20:46

Instrument :

BNA_F

ClientSampleId :

GL-TOPSOIL-03MS

Tgt Ion:107 Resp: 475421

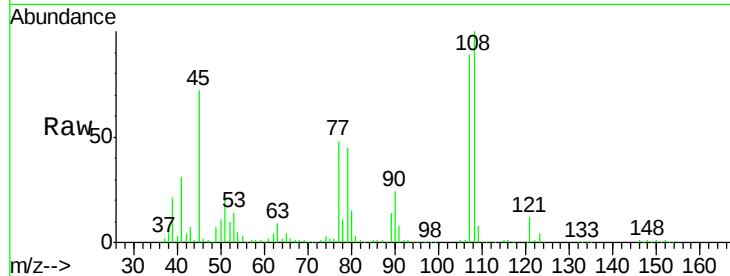
Ion Ratio Lower Upper

107 100

108 112.4 91.7 137.5

77 53.9 33.8 50.8#

79 50.5 33.8 50.8

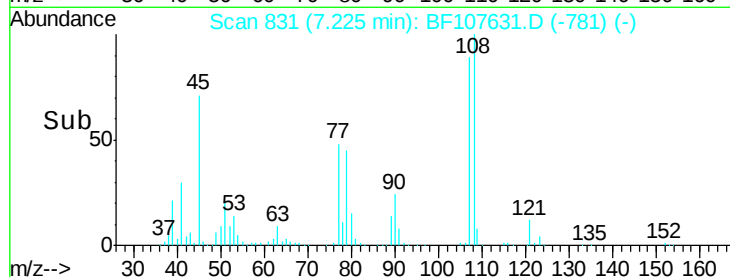


Abundance Ion 107.00 (106.70 to 107.70): E

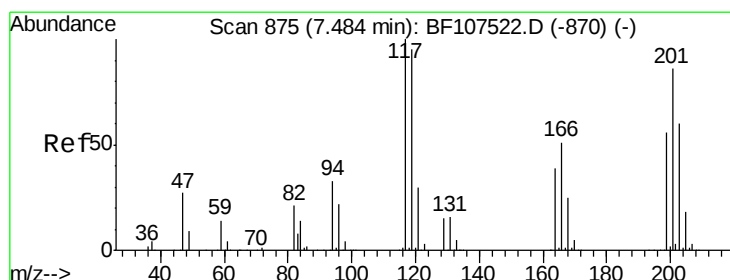
Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



Time-->



#18

Hexachloroethane

Concen: 23.431 ng

RT: 7.48 min Scan# 874

Delta R.T. -0.01 min

Lab File: BF107631.D

Acq: 24 Jul 2018 20:46

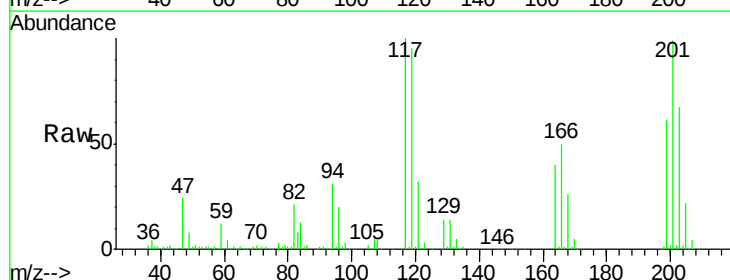
Tgt Ion:117 Resp: 164606

Ion Ratio Lower Upper

117 100

119 95.5 75.8 113.8

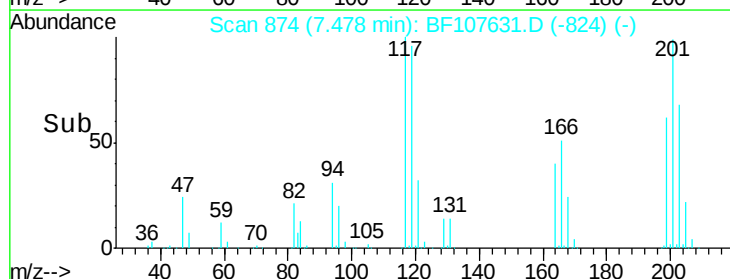
201 98.6 75.7 113.5



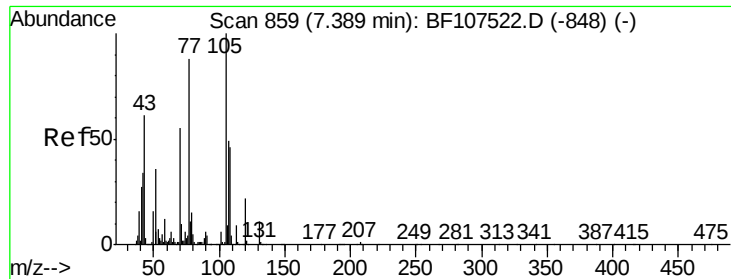
Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E



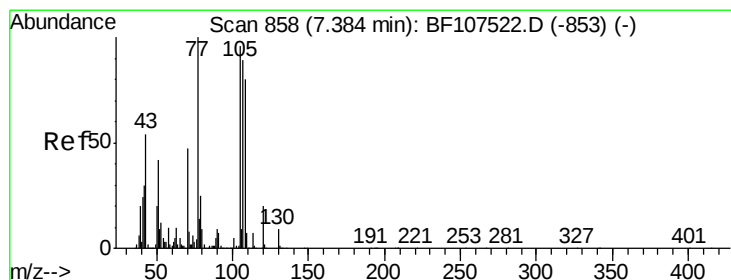
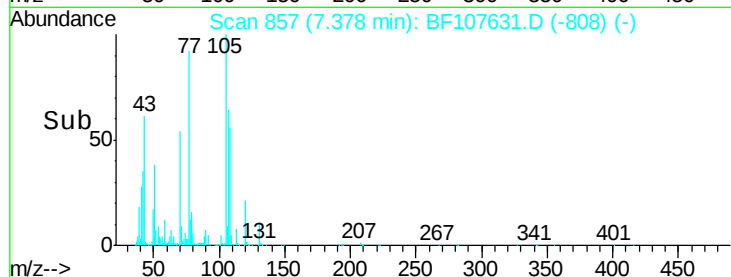
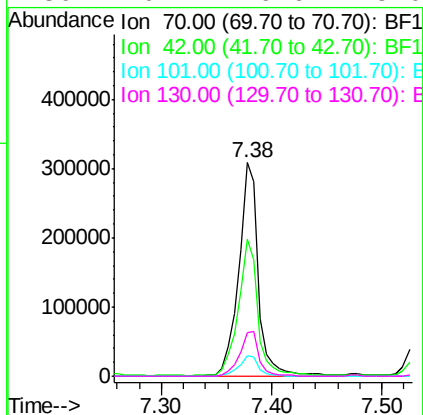
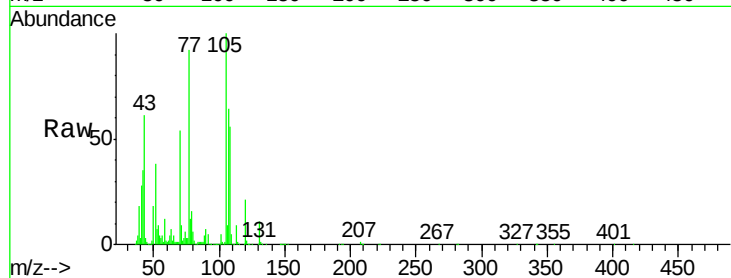
Time-->



#19
n-Nitroso-di-n-propylamine
Concen: 31.079 ng
RT: 7.38 min Scan# 857
Delta R.T. -0.01 min
Lab File: BF107631.D
Acq: 24 Jul 2018 20:46

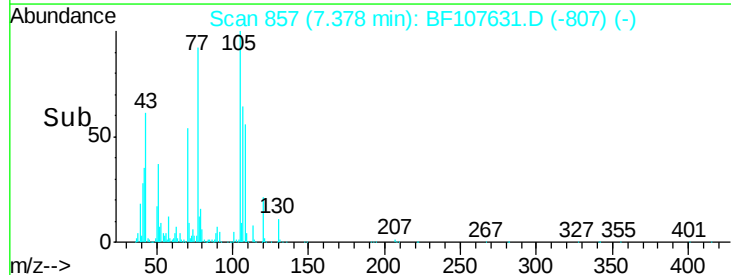
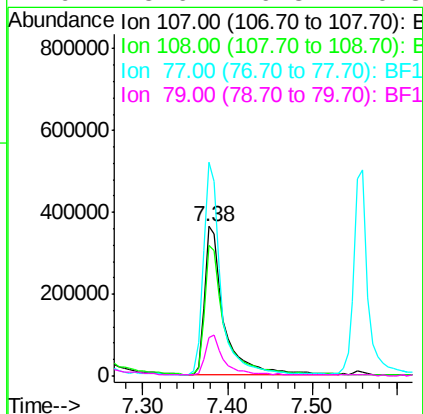
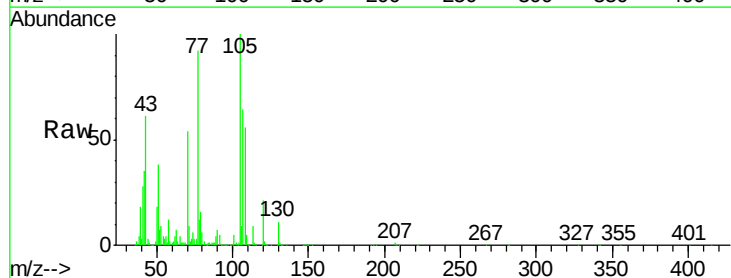
Instrument :
BNA_F
ClientSampleId :
GL-TOPSOIL-03MS

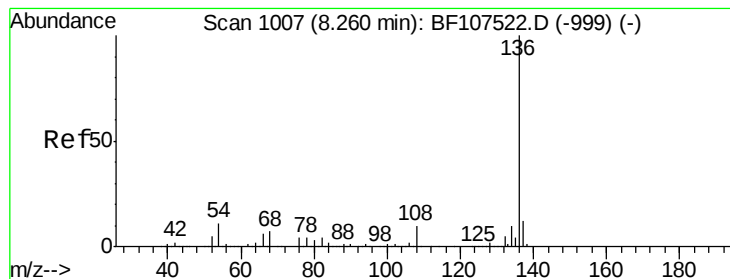
Tgt Ion:	70	Resp:	387853
Ion	Ratio	Lower	Upper
70	100		
42	63.9	47.5	71.3
101	9.7	7.4	11.2
130	20.4	16.6	25.0



#20
3+4-Methylphenols
Concen: 32.860 ng
RT: 7.38 min Scan# 857
Delta R.T. -0.01 min
Lab File: BF107631.D
Acq: 24 Jul 2018 20:46

Tgt Ion:	107	Resp:	571615
Ion	Ratio	Lower	Upper
107	100		
108	87.5	68.2	108.2
77	143.0	26.7	66.7#
79	25.6	6.3	46.3





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.25 min Scan# 1006

Delta R.T. -0.01 min

Lab File: BF107631.D

Acq: 24 Jul 2018 20:46

Instrument :

BNA_F

ClientSampleId :

GL-TOPSOIL-03MS

Tgt Ion:136 Resp: 929214

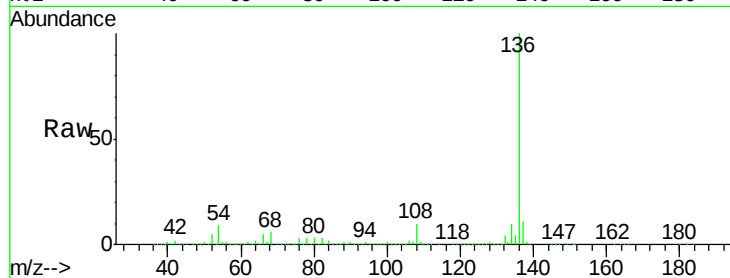
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 9.5 6.6 9.8

68 5.9 5.0 7.4

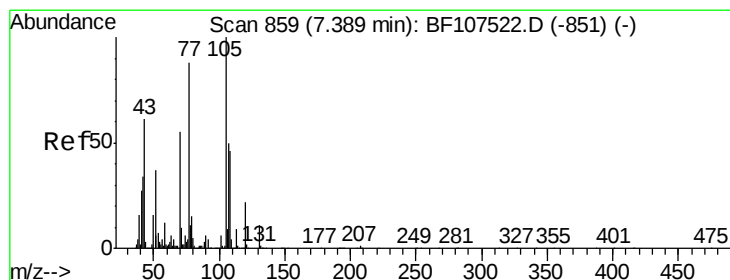
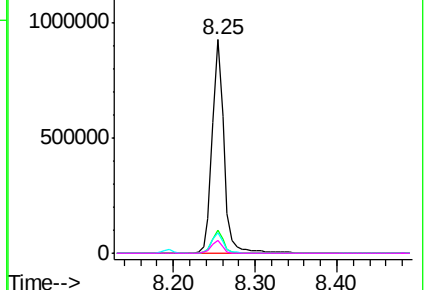
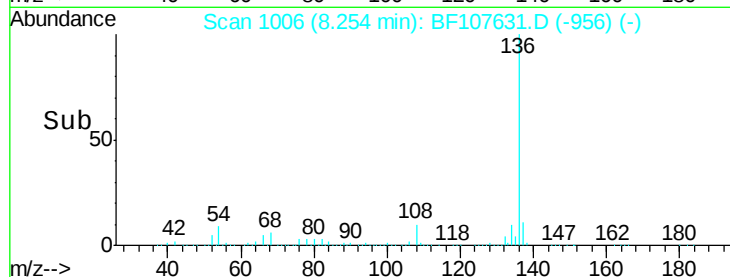


Abundance Ion 136.00 (135.70 to 136.70): E

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: 37.190 ng

RT: 7.38 min Scan# 857

Delta R.T. -0.01 min

Lab File: BF107631.D

Acq: 24 Jul 2018 20:46

Tgt Ion:105 Resp: 811592

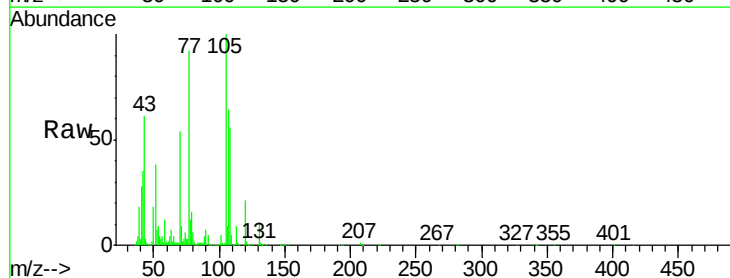
Ion Ratio Lower Upper

105 100

71 9.0 4.4 6.6#

51 37.7 22.3 33.5#

120 21.0 16.9 25.3

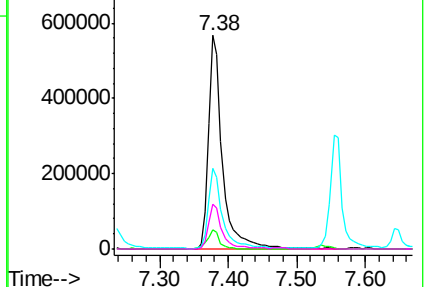
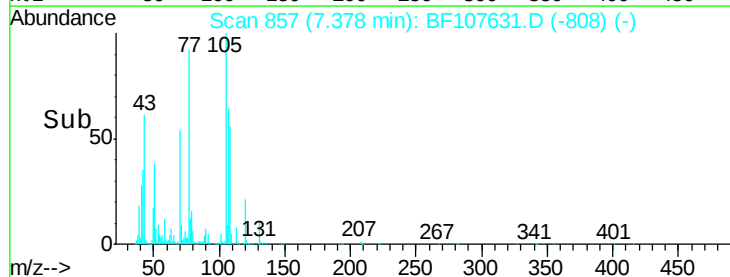


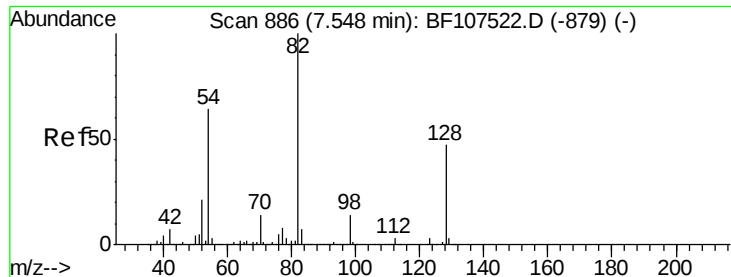
Abundance Ion 105.00 (104.70 to 105.70): E

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

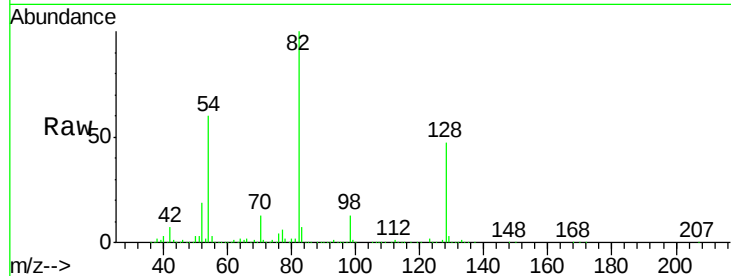




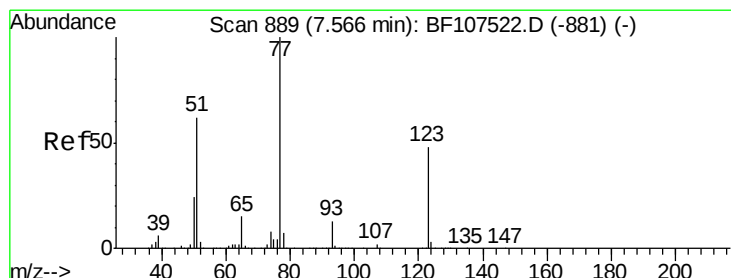
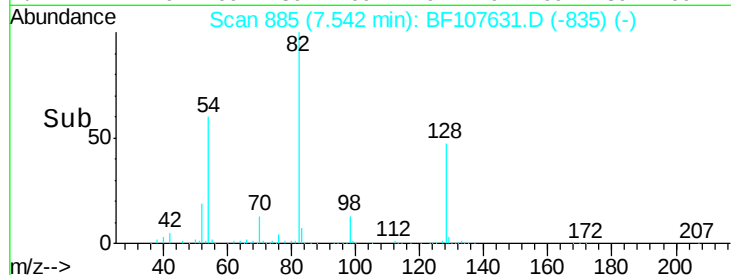
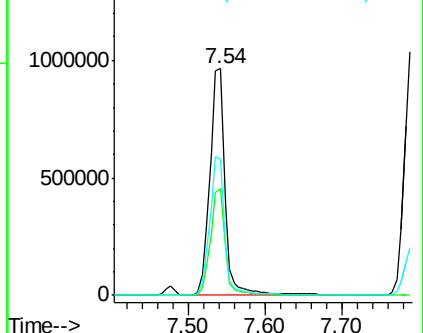
#23
 Nitrobenzene-d5
 Concen: 94.566 ng
 RT: 7.54 min Scan# 885
 Delta R.T. -0.01 min
 Lab File: BF107631.D
 Acq: 24 Jul 2018 20:46

Instrument :
 BNA_F
 ClientSampleId :
 GL-TOPSOIL-03MS

Tgt Ion: 82 Resp: 1302047
 Ion Ratio Lower Upper
 82 100
 128 47.2 36.1 54.1
 54 59.9 41.4 62.2

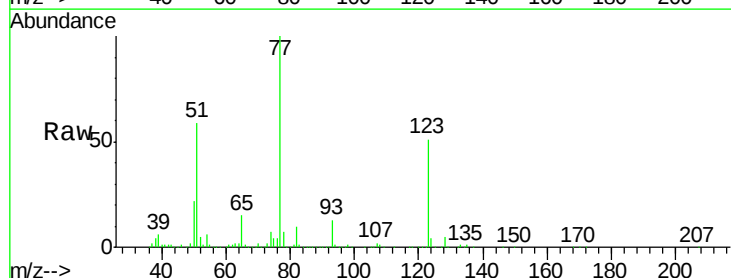


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

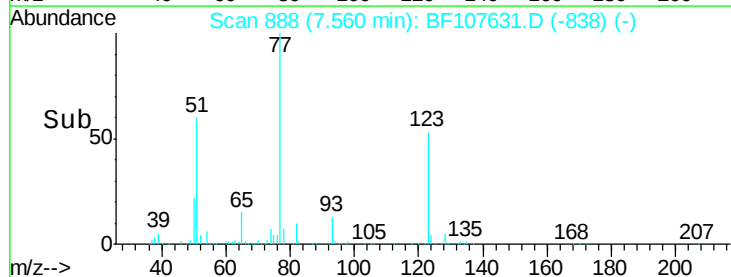
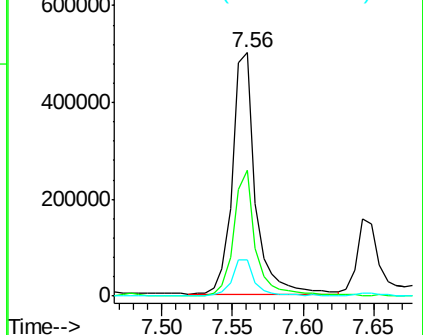


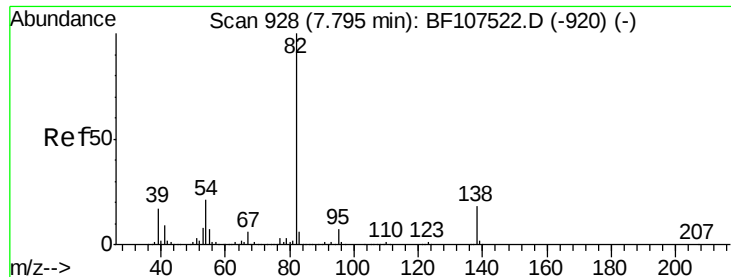
#24
 Nitrobenzene
 Concen: 36.861 ng
 RT: 7.56 min Scan# 888
 Delta R.T. -0.01 min
 Lab File: BF107631.D
 Acq: 24 Jul 2018 20:46

Tgt Ion: 77 Resp: 581308
 Ion Ratio Lower Upper
 77 100
 123 51.5 37.9 56.9
 65 14.9 11.0 16.4



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: 35.492 ng

RT: 7.79 min Scan# 927

Delta R.T. -0.01 min

Lab File: BF107631.D

Acq: 24 Jul 2018 20:46

Instrument :

BNA_F

ClientSampleId :

GL-TOPSOIL-03MS

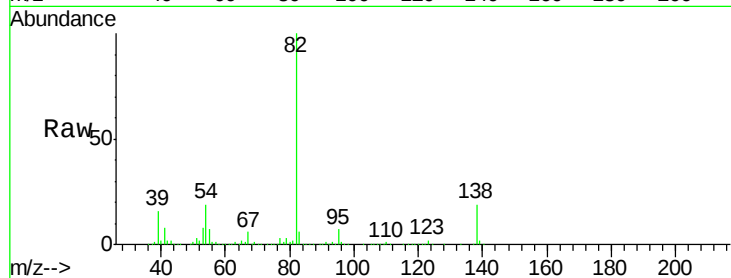
Tgt Ion: 82 Resp: 1043420

Ion Ratio Lower Upper

82 100

95 7.4 5.2 7.8

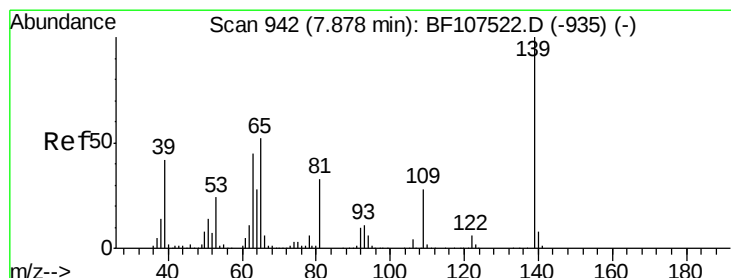
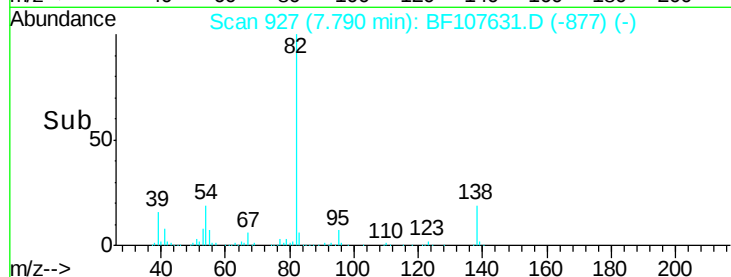
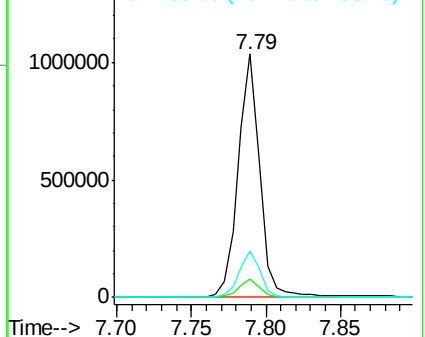
138 19.3 14.9 22.3



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#26

2-Nitrophenol

Concen: 40.895 ng

RT: 7.87 min Scan# 941

Delta R.T. -0.01 min

Lab File: BF107631.D

Acq: 24 Jul 2018 20:46

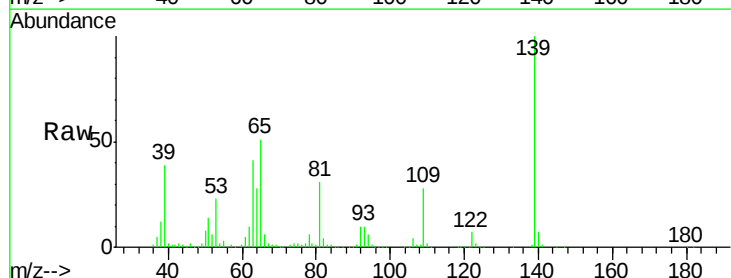
Tgt Ion: 139 Resp: 272345

Ion Ratio Lower Upper

139 100

109 28.0 22.7 34.1

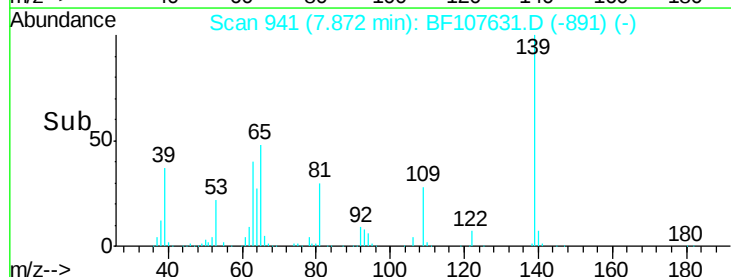
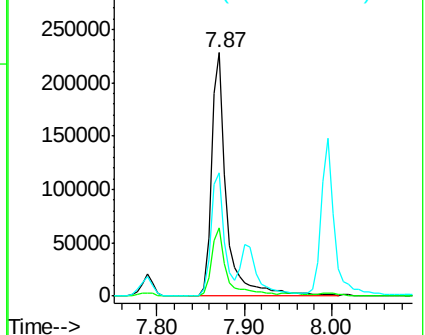
65 50.7 40.5 60.7

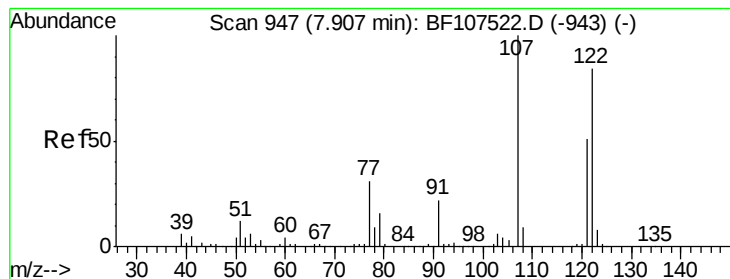


Abundance Ion 139.00 (138.70 to 139.70): BF1

Ion 109.00 (108.70 to 109.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#27

2,4-Dimethylphenol

Concen: 39.049 ng

RT: 7.91 min Scan# 947

Delta R.T. 0.00 min

Lab File: BF107631.D

Acq: 24 Jul 2018 20:46

Instrument :

BNA_F

ClientSampleId :

GL-TOPSOIL-03MS

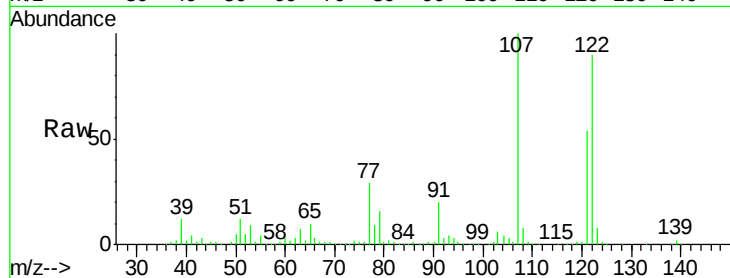
Tgt Ion:122 Resp: 492247

Ion Ratio Lower Upper

122 100

107 110.6 91.2 136.8

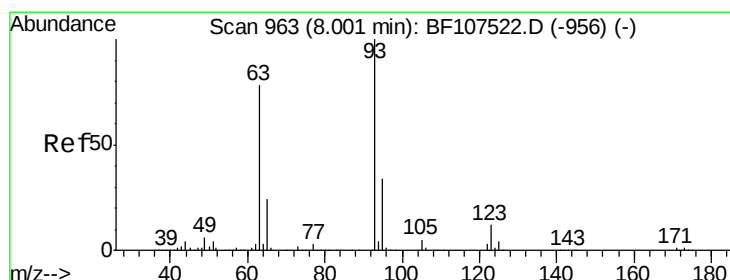
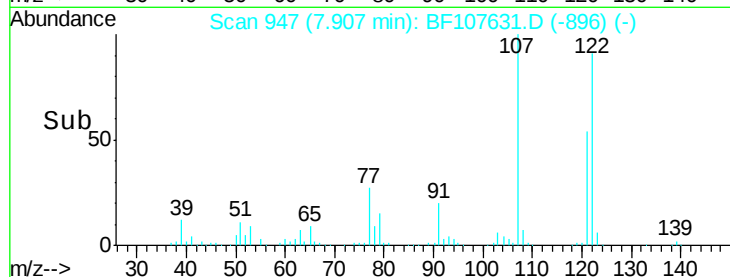
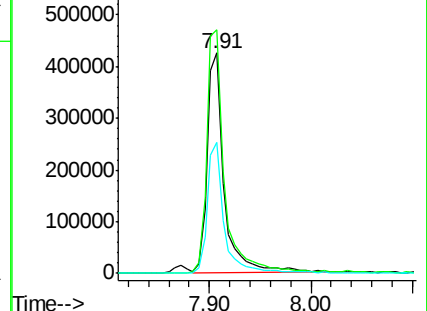
121 59.3 47.2 70.8



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: 34.946 ng

RT: 8.00 min Scan# 962

Delta R.T. -0.01 min

Lab File: BF107631.D

Acq: 24 Jul 2018 20:46

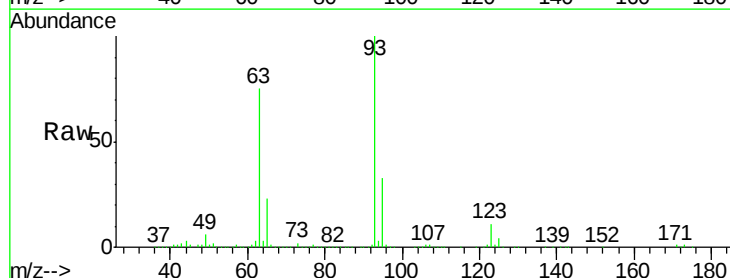
Tgt Ion: 93 Resp: 686583

Ion Ratio Lower Upper

93 100

95 32.7 26.3 39.5

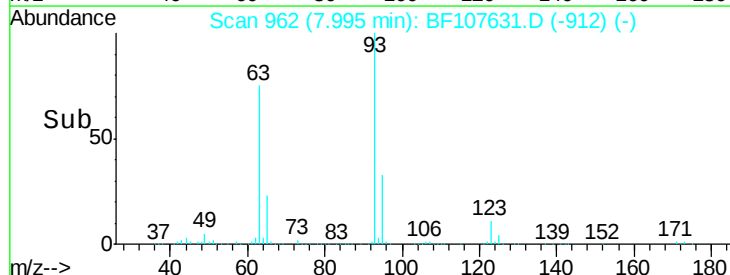
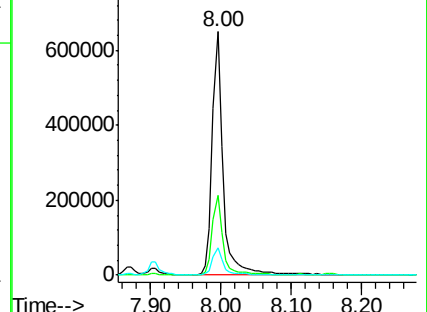
123 11.3 9.8 14.6

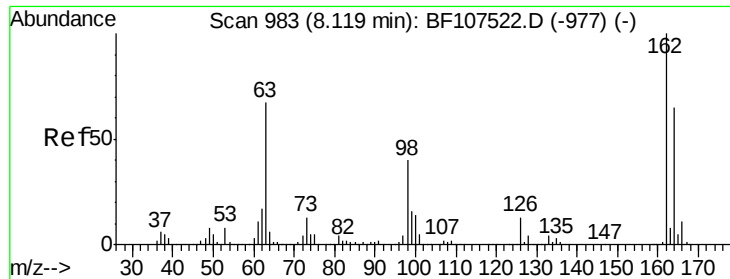


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 123.00 (122.70 to 123.70): E

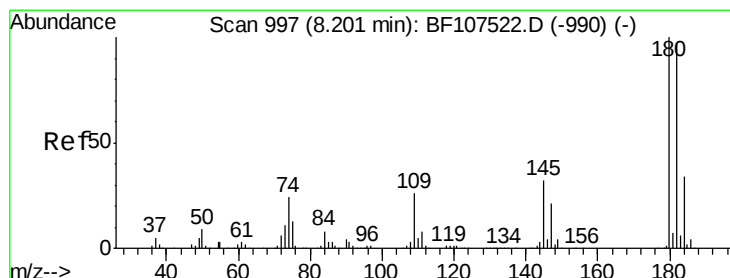
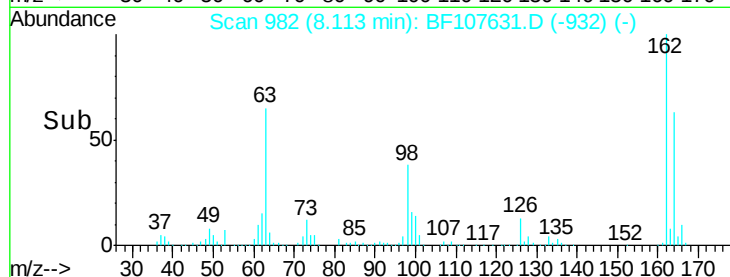
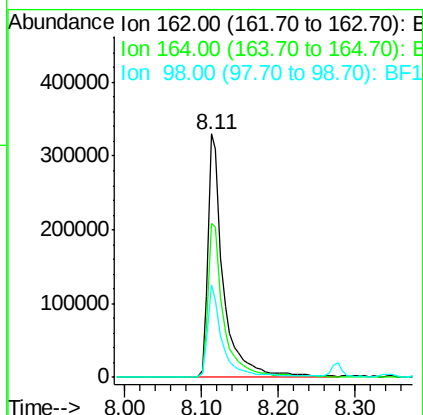
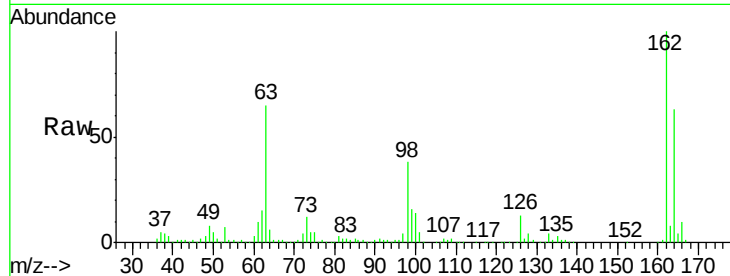




#29
2,4-Dichlorophenol
Concen: 35.577 ng
RT: 8.11 min Scan# 982
Delta R.T. -0.01 min
Lab File: BF107631.D
Acq: 24 Jul 2018 20:46

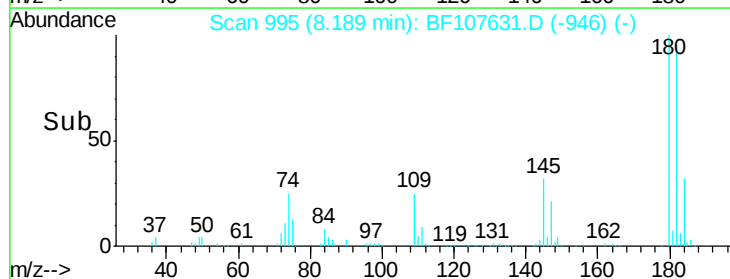
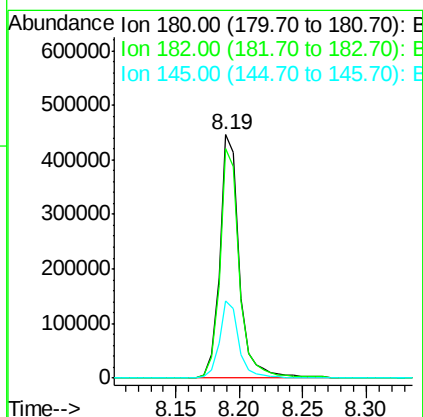
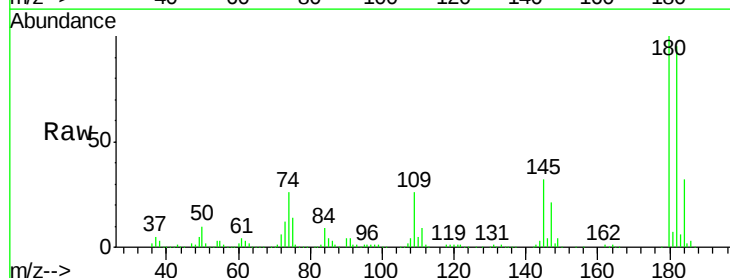
Instrument :
BNA_F
ClientSampleId :
GL-TOPSOIL-03MS

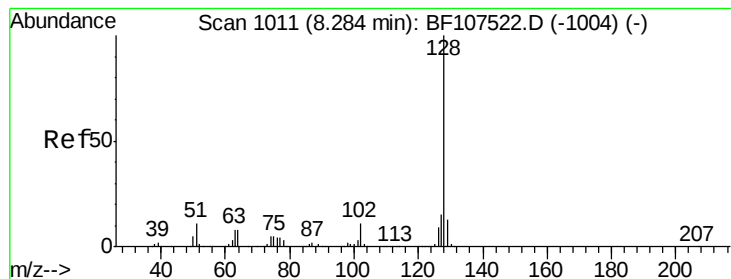
Tgt Ion:162 Resp: 458391
Ion Ratio Lower Upper
162 100
164 63.3 42.7 82.7
98 38.1 18.1 58.1



#30
1,2,4-Trichlorobenzene
Concen: 33.334 ng
RT: 8.19 min Scan# 995
Delta R.T. -0.01 min
Lab File: BF107631.D
Acq: 24 Jul 2018 20:46

Tgt Ion:180 Resp: 482398
Ion Ratio Lower Upper
180 100
182 94.5 76.8 115.2
145 31.5 26.5 39.7





#31

Naphthalene

Concen: 37.654 ng

RT: 8.28 min Scan# 1010

Delta R.T. -0.01 min

Lab File: BF107631.D

Acq: 24 Jul 2018 20:46

Instrument :

BNA_F

ClientSampleId :

GL-TOPSOIL-03MS

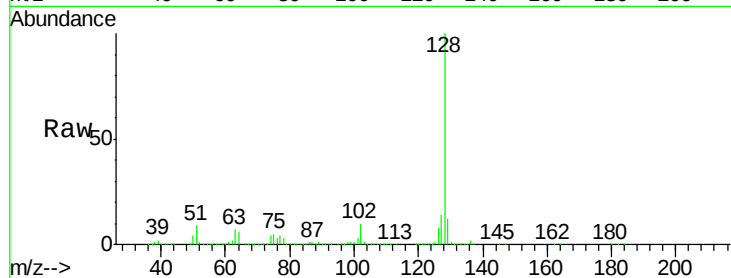
Tgt Ion:128 Resp: 1538595

Ion Ratio Lower Upper

128 100

129 11.7 8.8 13.2

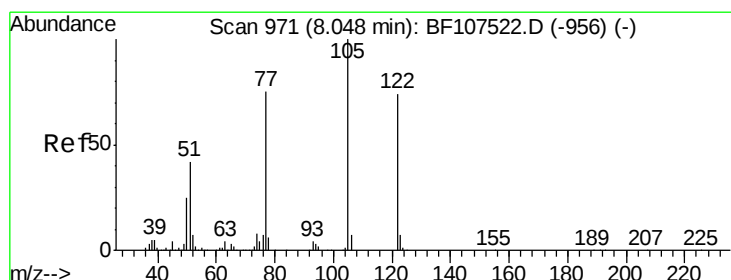
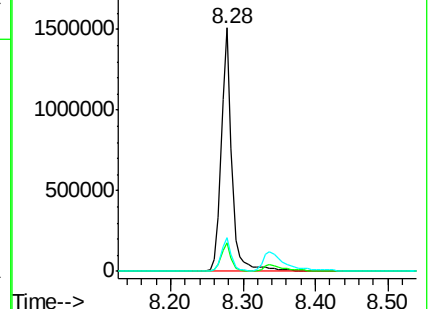
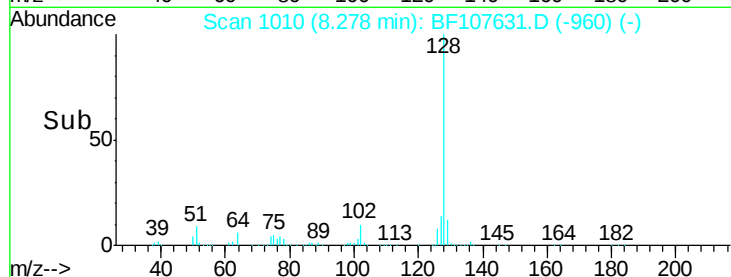
127 13.9 10.9 16.3



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: 54.628 ng

RT: 7.91 min Scan# 947

Delta R.T. -0.14 min

Lab File: BF107631.D

Acq: 24 Jul 2018 20:46

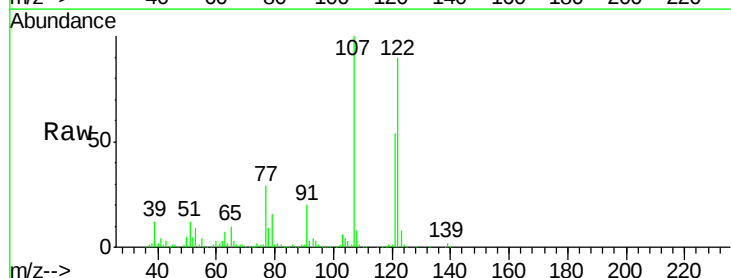
Tgt Ion:122 Resp: 492247

Ion Ratio Lower Upper

122 100

105 3.7 101.1 141.1#

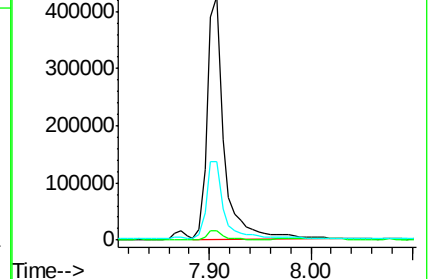
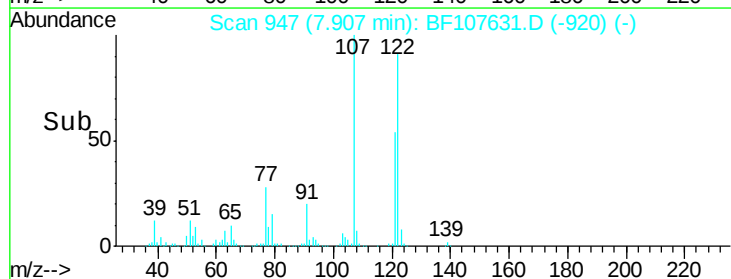
77 32.4 70.7 110.7#

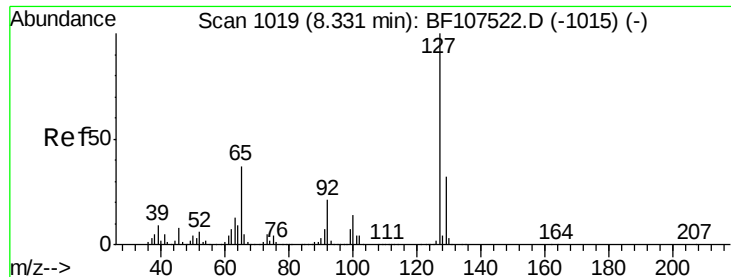


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

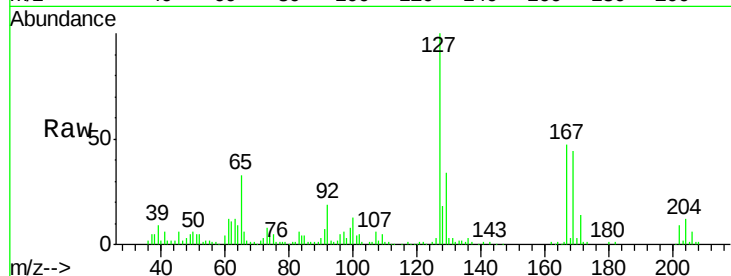




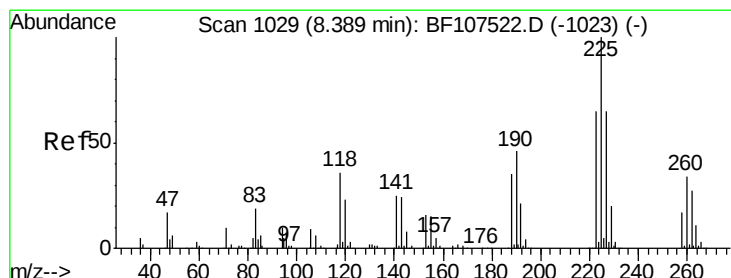
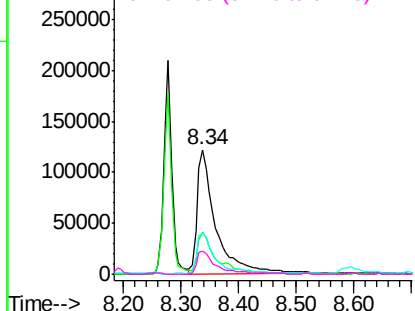
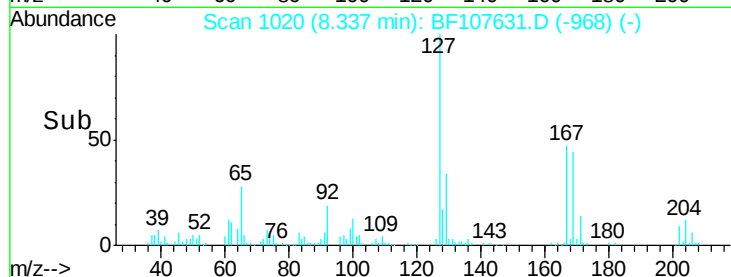
#33
4-Chloroaniline
Concen: 15.578 ng
RT: 8.34 min Scan# 1020
Delta R.T. 0.01 min
Lab File: BF107631.D
Acq: 24 Jul 2018 20:46

Instrument :
BNA_F
ClientSampleId :
GL-TOPSOIL-03MS

Tgt Ion:	127	Resp:	278225
Ion	Ratio	Lower	Upper
127	100		
129	34.4	25.9	38.9
65	33.3	25.0	37.4
92	18.9	15.2	22.8

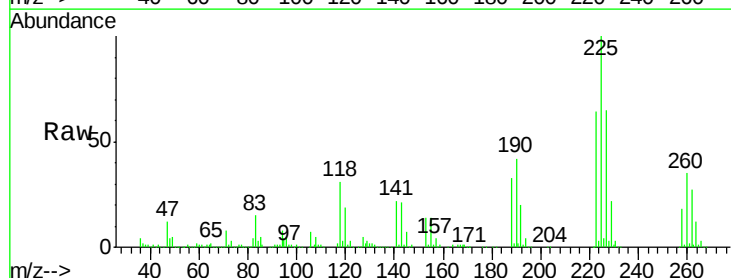


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1

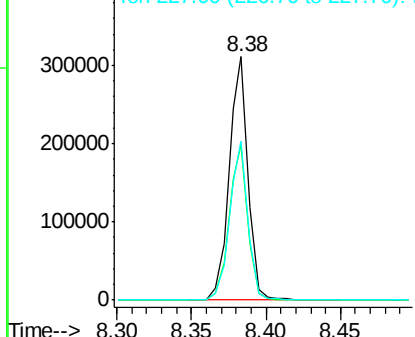
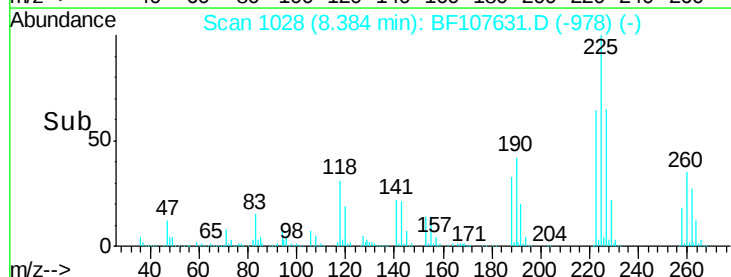


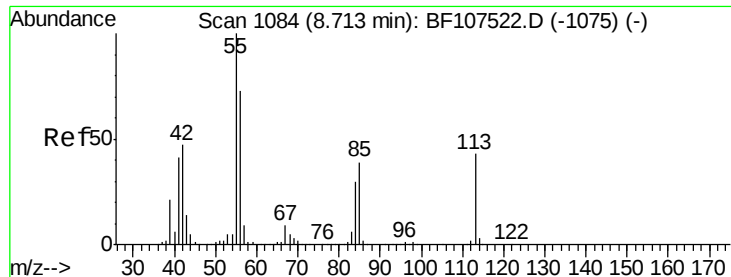
#34
Hexachlorobutadiene
Concen: 32.421 ng
RT: 8.38 min Scan# 1028
Delta R.T. -0.01 min
Lab File: BF107631.D
Acq: 24 Jul 2018 20:46

Tgt Ion:	225	Resp:	278786
Ion	Ratio	Lower	Upper
225	100		
223	63.6	50.6	76.0
227	65.3	51.9	77.9



Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E





#35

Caprolactam

Concen: 31.019 ng

RT: 8.70 min Scan# 1081

Delta R.T. -0.02 min

Lab File: BF107631.D

Acq: 24 Jul 2018 20:46

Instrument :

BNA_F

ClientSampleId :

GL-TOPSOIL-03MS

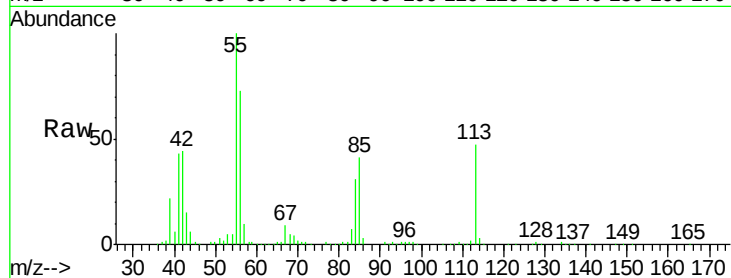
Tgt Ion:113 Resp: 129997

Ion Ratio Lower Upper

113 100

55 210.7 163.3 203.3#

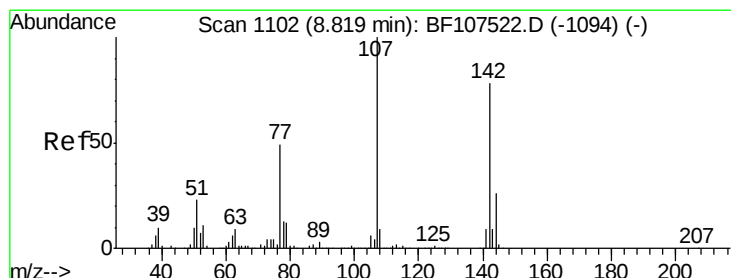
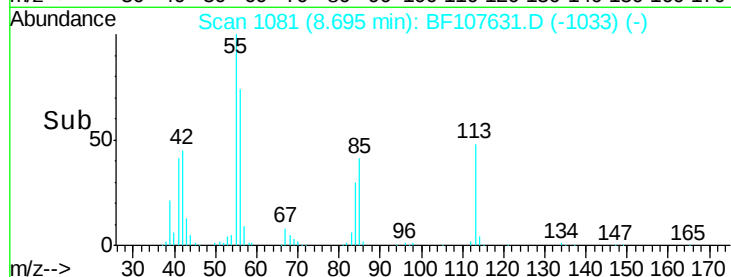
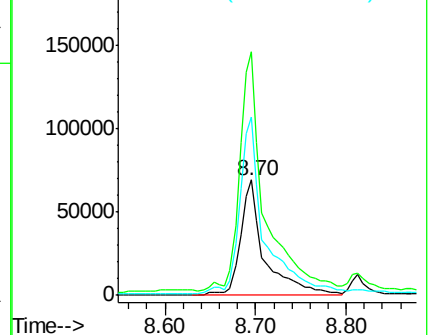
56 154.6 115.7 155.7



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF1

Ion 56.00 (55.70 to 56.70): BF1



#36

4-Chloro-3-methylphenol

Concen: 31.841 ng

RT: 8.81 min Scan# 1101

Delta R.T. -0.01 min

Lab File: BF107631.D

Acq: 24 Jul 2018 20:46

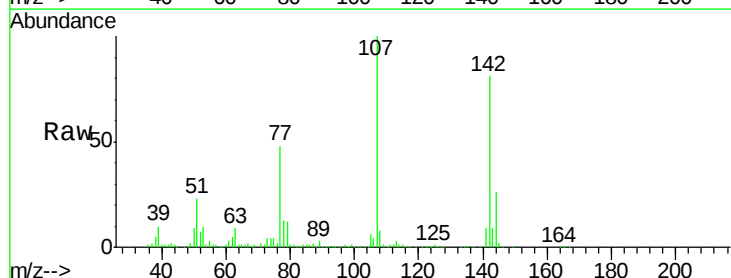
Tgt Ion:107 Resp: 455726

Ion Ratio Lower Upper

107 100

144 26.0 20.5 30.7

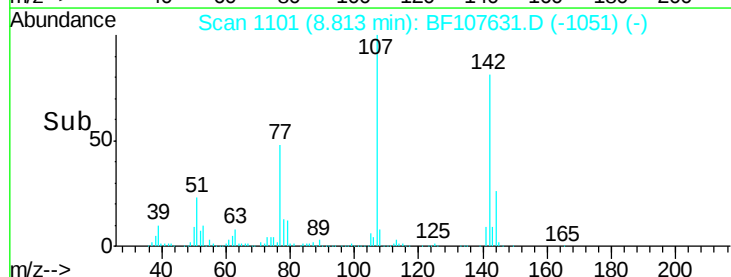
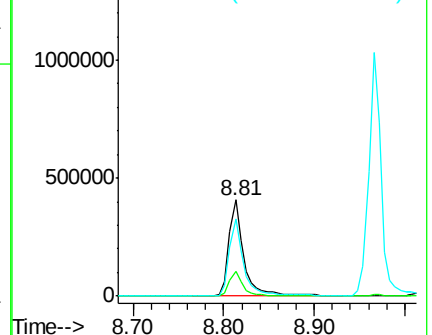
142 80.5 62.0 93.0

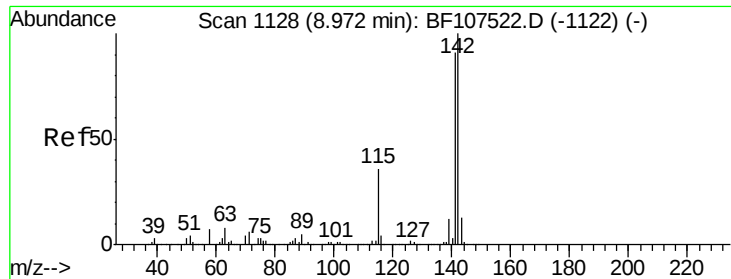


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

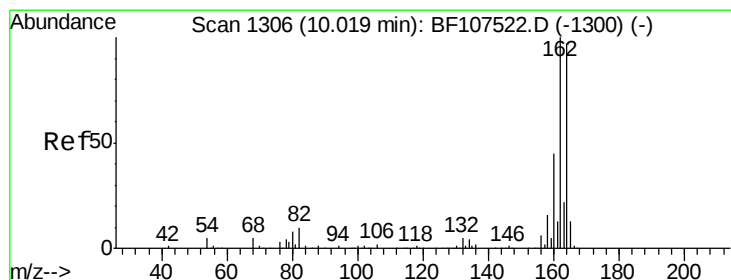
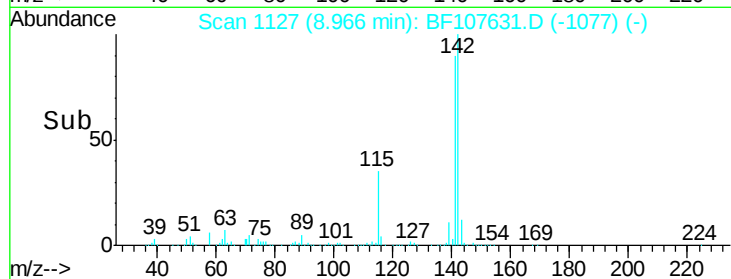
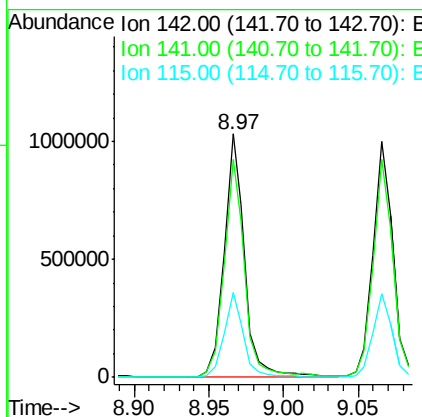
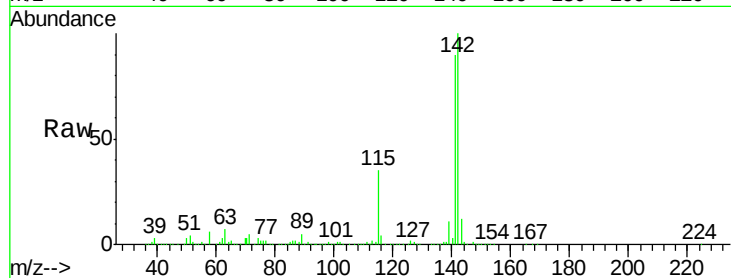




#37
2-Methylnaphthalene
Concen: 35.255 ng
RT: 8.97 min Scan# 1127
Delta R.T. -0.01 min
Lab File: BF107631.D
Acq: 24 Jul 2018 20:46

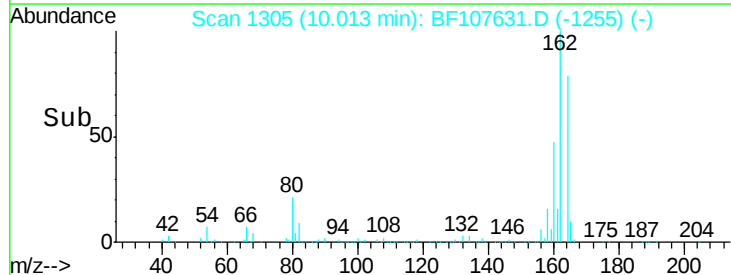
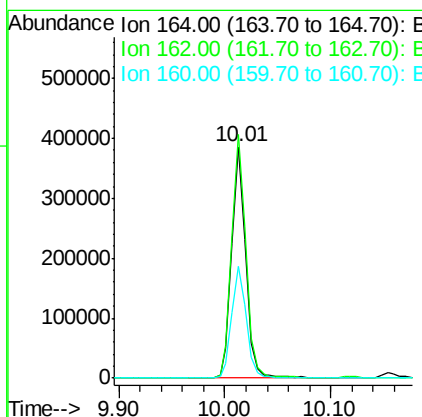
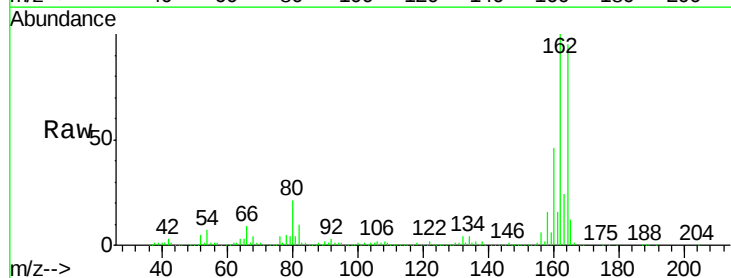
Instrument :
BNA_F
ClientSampleId :
GL-TOPSOIL-03MS

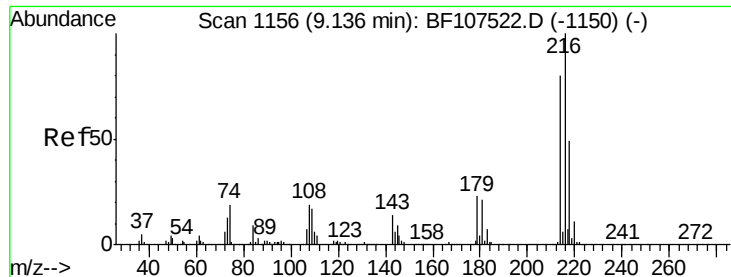
Tgt Ion:142 Resp: 998252
Ion Ratio Lower Upper
142 100
141 89.7 70.8 106.2
115 34.6 26.1 39.1



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.01 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BF107631.D
Acq: 24 Jul 2018 20:46

Tgt Ion:164 Resp: 350820
Ion Ratio Lower Upper
164 100
162 105.4 86.1 129.1
160 48.5 38.3 57.5

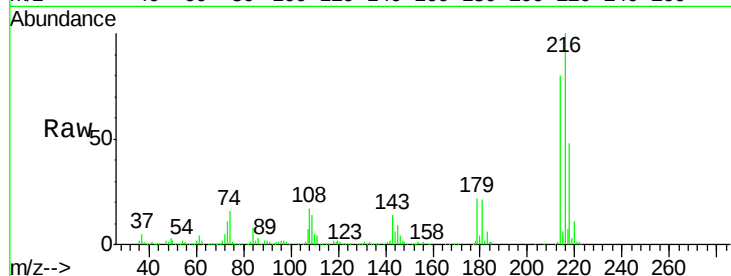




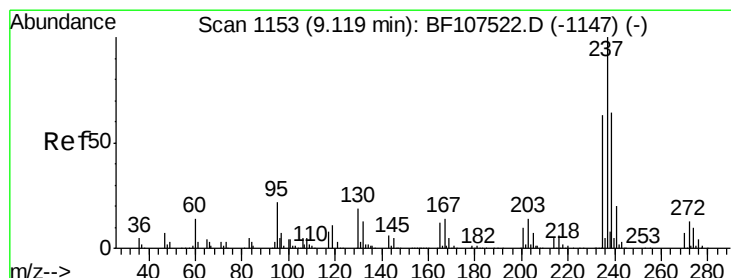
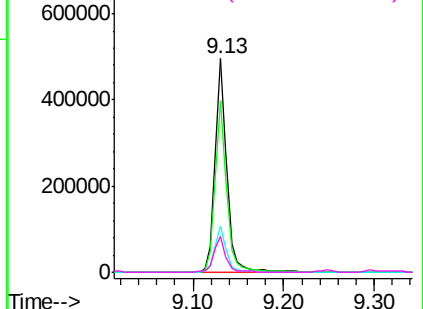
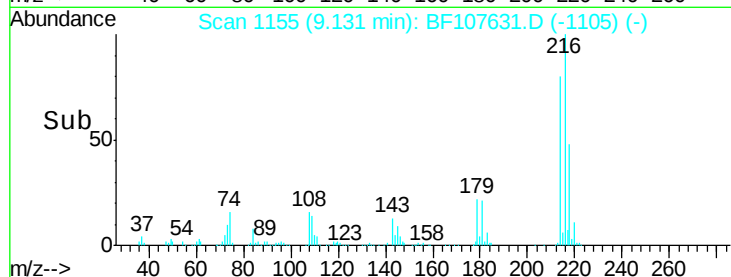
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 38.811 ng
 RT: 9.13 min Scan# 1155
 Delta R.T. -0.01 min
 Lab File: BF107631.D
 Acq: 24 Jul 2018 20:46

Instrument :
 BNA_F
 ClientSampleId :
 GL-TOPSOIL-03MS

Tgt Ion: 216 Resp: 454135
 Ion Ratio Lower Upper
 216 100
 214 79.6 63.0 94.4
 179 21.0 18.1 27.1
 108 16.6 17.2 25.8#

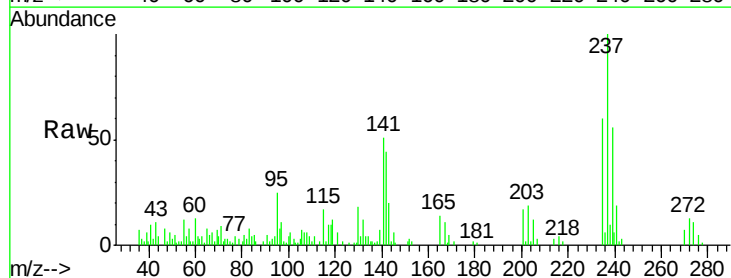


Abundance Ion 216.00 (215.70 to 216.70): E
 Ion 214.00 (213.70 to 214.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 108.00 (107.70 to 108.70): E

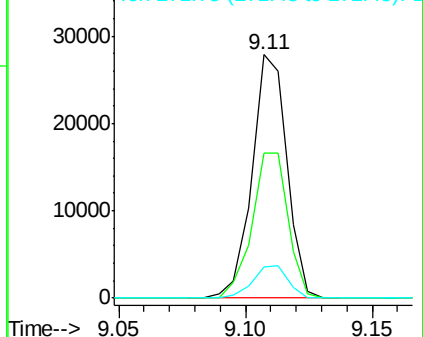
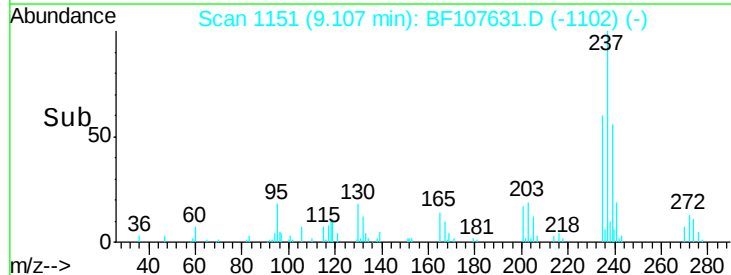


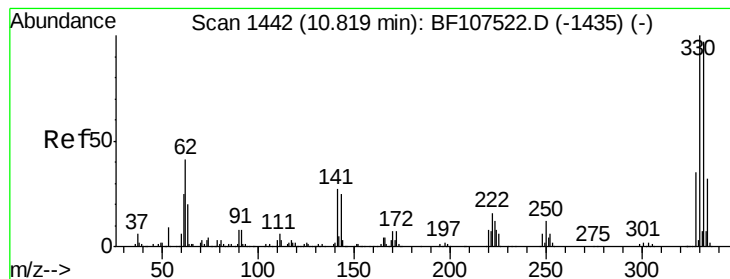
#40
 Hexachlorocyclopentadiene
 Concen: 4.503 ng
 RT: 9.11 min Scan# 1151
 Delta R.T. -0.01 min
 Lab File: BF107631.D
 Acq: 24 Jul 2018 20:46

Tgt Ion: 237 Resp: 26787
 Ion Ratio Lower Upper
 237 100
 235 59.8 44.8 84.8
 272 12.9 0.0 33.3



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

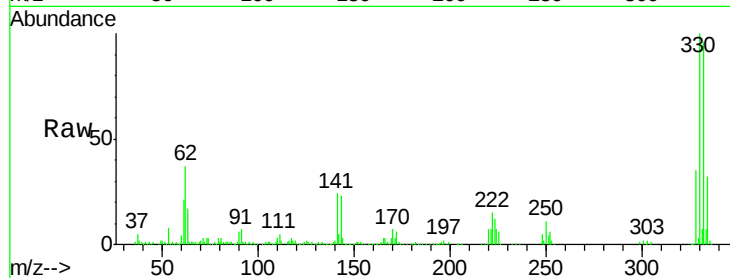




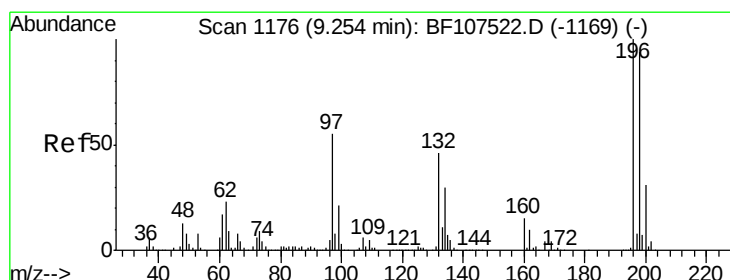
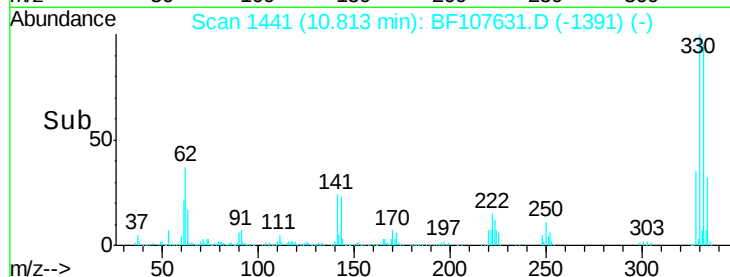
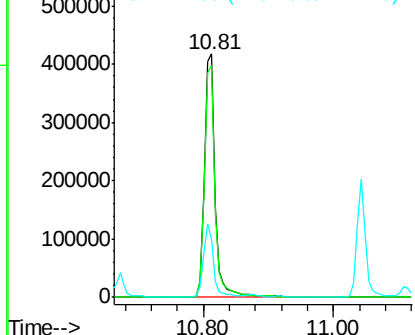
#41
 2,4,6-Tribromophenol
 Concen: 119.212 ng
 RT: 10.81 min Scan# 1441
 Delta R.T. -0.01 min
 Lab File: BF107631.D
 Acq: 24 Jul 2018 20:46

Instrument :
 BNA_F
 ClientSampleId :
 GL-TOPSOIL-03MS

Tgt Ion:330 Resp: 475581
 Ion Ratio Lower Upper
 330 100
 332 95.0 77.0 115.6
 141 27.4 29.9 44.9#

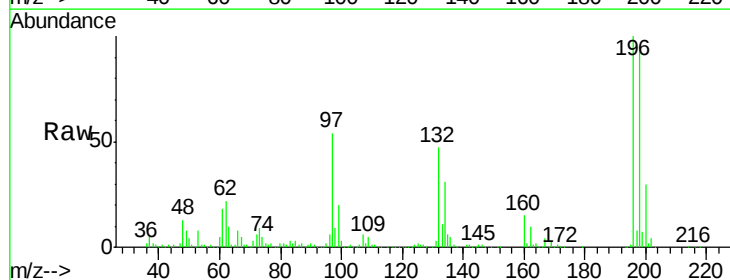


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

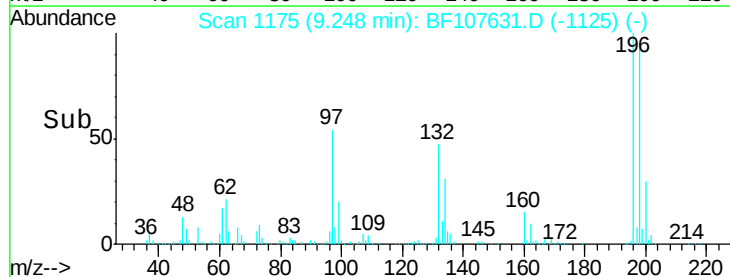
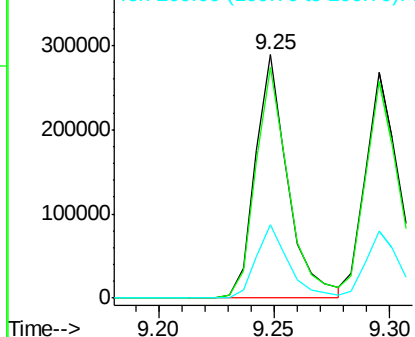


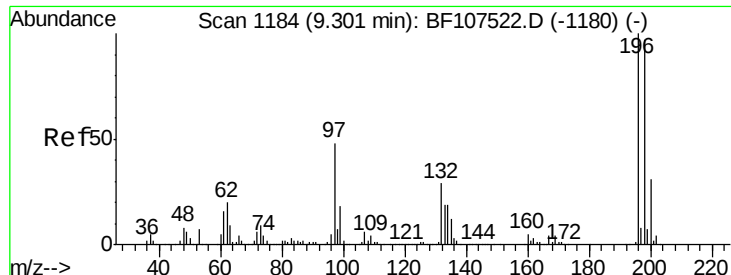
#42
 2,4,6-Trichlorophenol
 Concen: 37.784 ng
 RT: 9.25 min Scan# 1175
 Delta R.T. -0.01 min
 Lab File: BF107631.D
 Acq: 24 Jul 2018 20:46

Tgt Ion:196 Resp: 282992
 Ion Ratio Lower Upper
 196 100
 198 94.8 75.7 113.5
 200 30.3 24.5 36.7



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

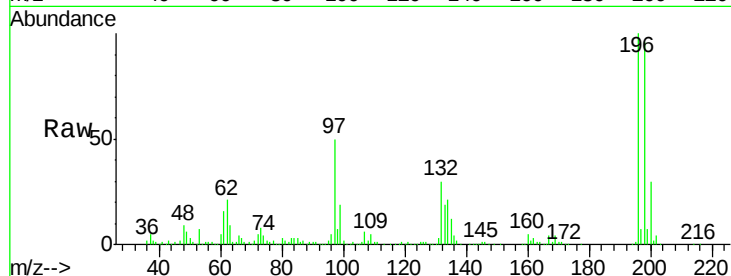




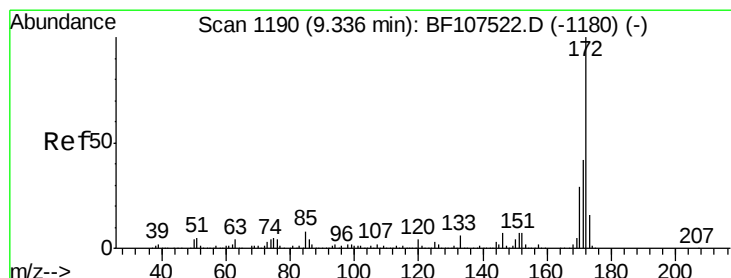
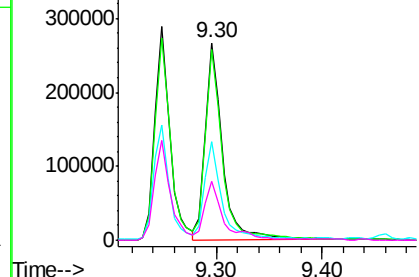
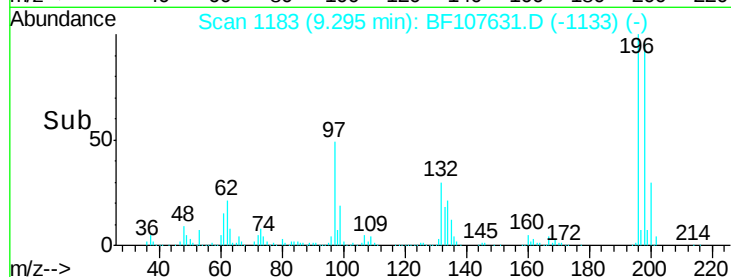
#43
 2,4,5-Trichlorophenol
 Concen: 38.358 ng
 RT: 9.30 min Scan# 1183
 Delta R.T. -0.01 min
 Lab File: BF107631.D
 Acq: 24 Jul 2018 20:46

Instrument :
 BNA_F
 ClientSampleId :
 GL-TOPSOIL-03MS

Tgt Ion:	196	Resp:	300263
Ion	Ratio	Lower	Upper
196	100		
198	96.3	74.6	112.0
97	49.7	42.9	64.3
132	30.0	26.3	39.5

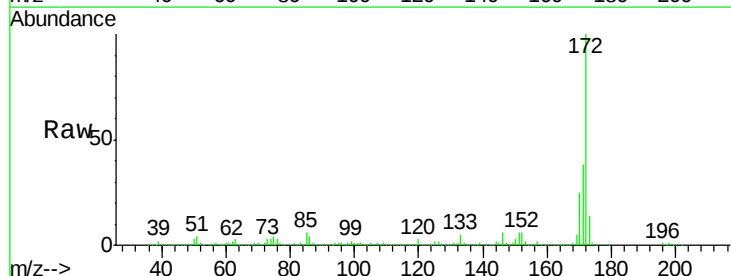


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF1
 Ion 132.00 (131.70 to 132.70): E

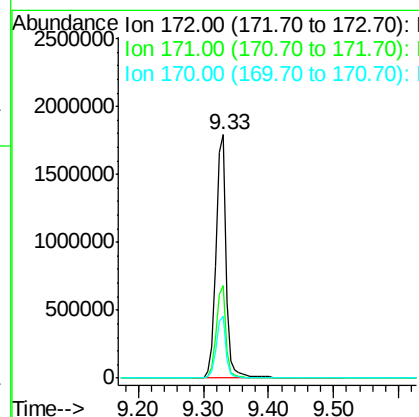
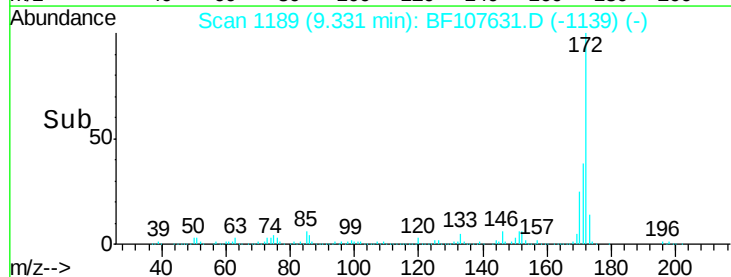


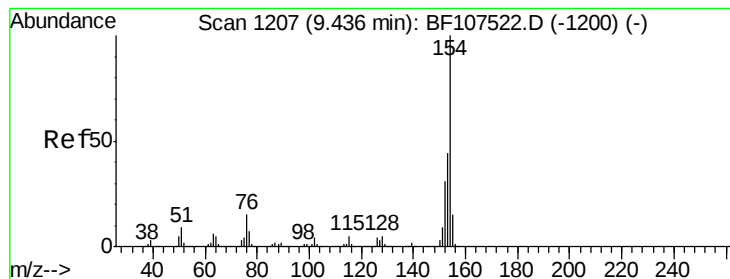
#44
 2-Fluorobiphenyl
 Concen: 99.206 ng
 RT: 9.33 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF107631.D
 Acq: 24 Jul 2018 20:46

Tgt Ion:	172	Resp:	1942428
Ion	Ratio	Lower	Upper
172	100		
171	38.0	29.7	44.5
170	25.4	19.6	29.4



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





#45

1,1'-Biphenyl

Concen: 37.995 ng

RT: 9.43 min Scan# 1206

Delta R.T. -0.01 min

Lab File: BF107631.D

Acq: 24 Jul 2018 20:46

Instrument :

BNA_F

ClientSampleId :

GL-TOPSOIL-03MS

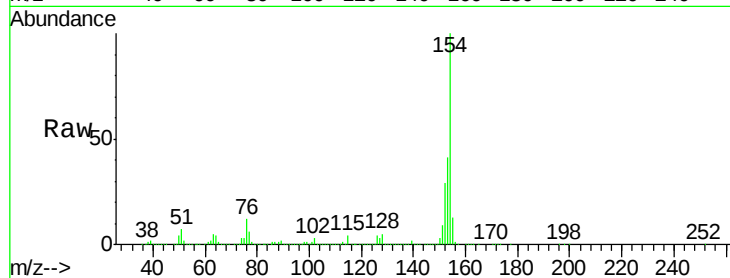
Tgt Ion:154 Resp: 1161156

Ion Ratio Lower Upper

154 100

153 41.3 21.3 61.3

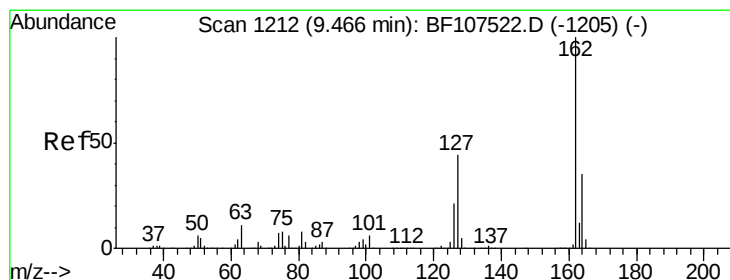
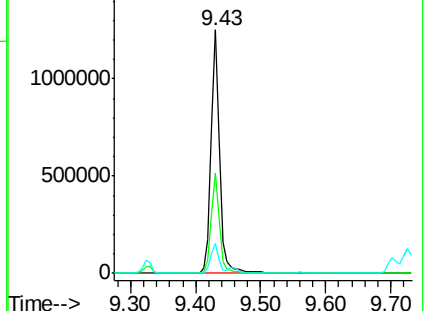
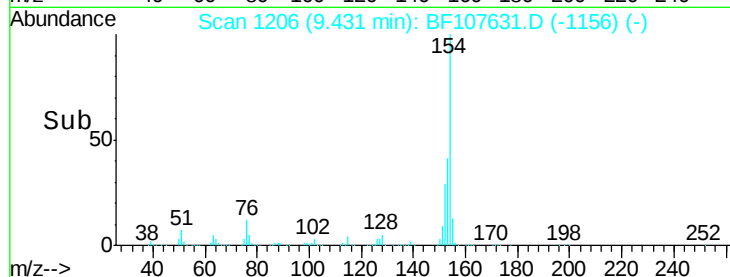
76 12.5 0.0 34.0



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



#46

2-Chloronaphthalene

Concen: 36.601 ng

RT: 9.46 min Scan# 1211

Delta R.T. -0.01 min

Lab File: BF107631.D

Acq: 24 Jul 2018 20:46

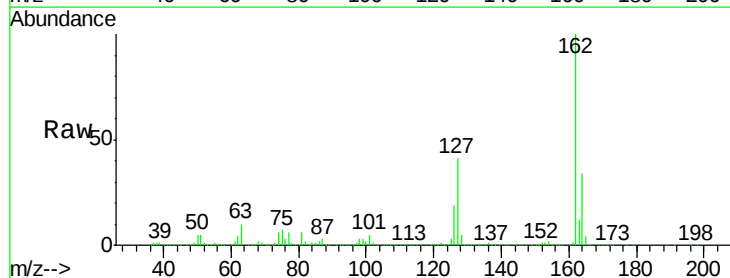
Tgt Ion:162 Resp: 854990

Ion Ratio Lower Upper

162 100

127 40.9 33.9 50.9

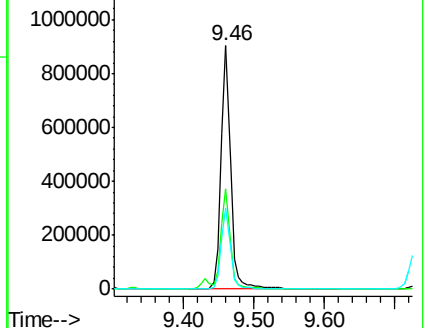
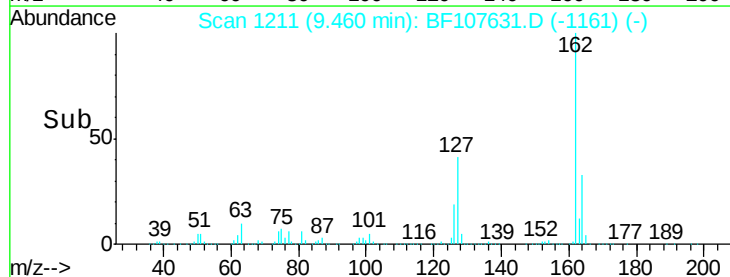
164 33.5 26.5 39.7

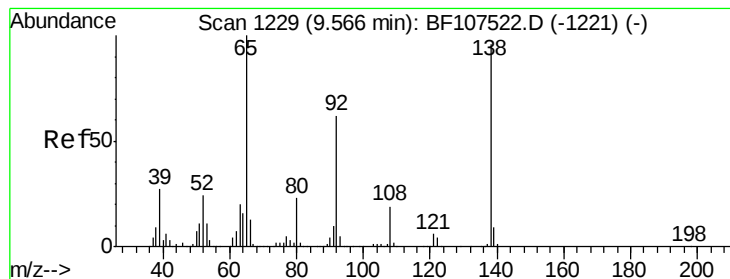


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E





#47

2-Nitroaniline

Concen: 46.250 ng

RT: 9.56 min Scan# 1228

Delta R.T. -0.01 min

Lab File: BF107631.D

Acq: 24 Jul 2018 20:46

Instrument :

BNA_F

ClientSampleId :

GL-TOPSOIL-03MS

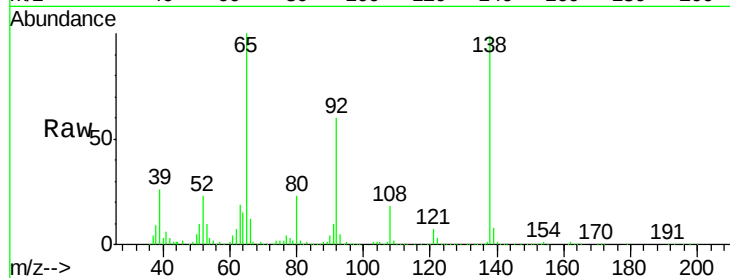
Tgt Ion: 65 Resp: 314969

Ion Ratio Lower Upper

65 100

92 60.4 55.8 83.6

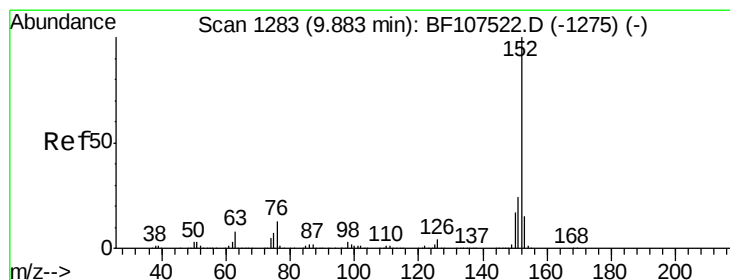
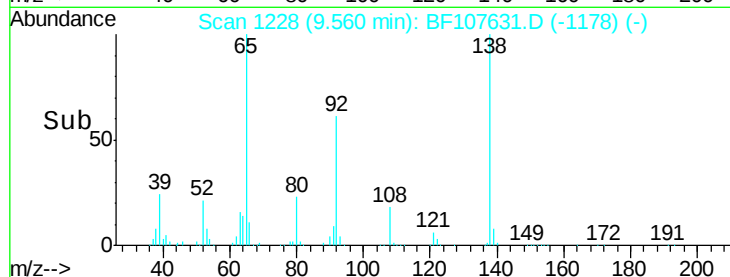
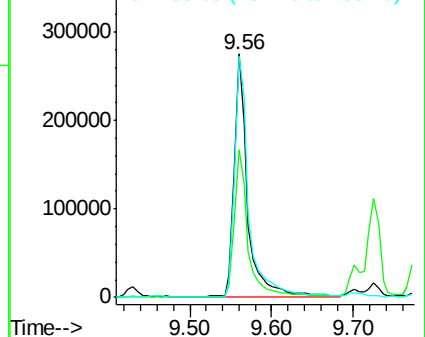
138 99.2 91.2 136.8



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): BF1



#48

Acenaphthylene

Concen: 38.445 ng

RT: 9.88 min Scan# 1282

Delta R.T. -0.01 min

Lab File: BF107631.D

Acq: 24 Jul 2018 20:46

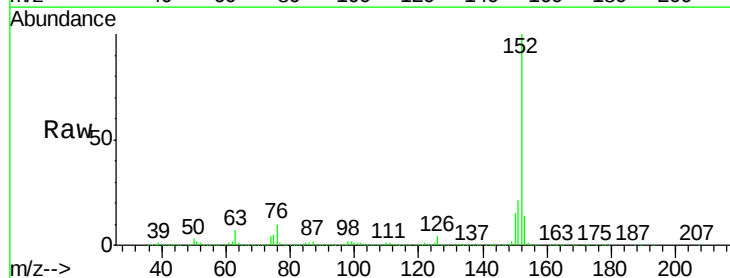
Tgt Ion: 152 Resp: 1349066

Ion Ratio Lower Upper

152 100

151 21.3 16.3 24.5

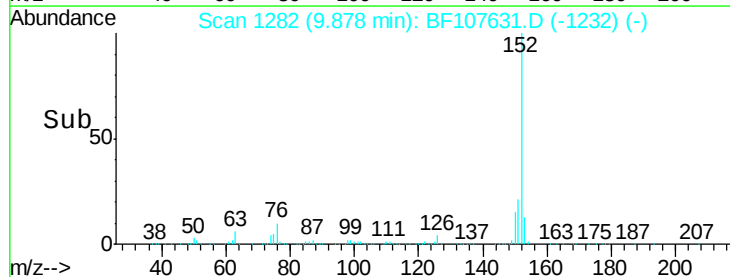
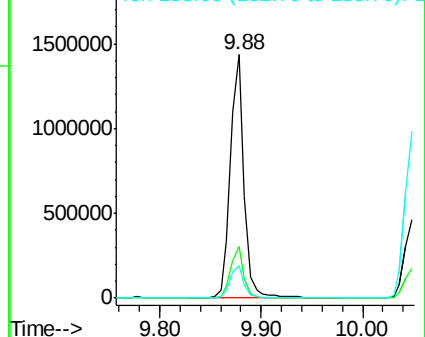
153 13.6 10.7 16.1

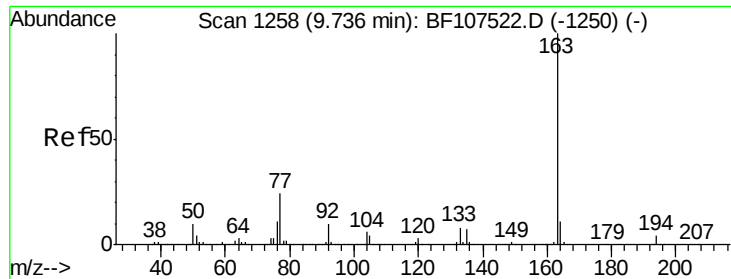


Abundance Ion 152.00 (151.70 to 152.70): BF1

Ion 151.00 (150.70 to 151.70): BF1

Ion 153.00 (152.70 to 153.70): BF1

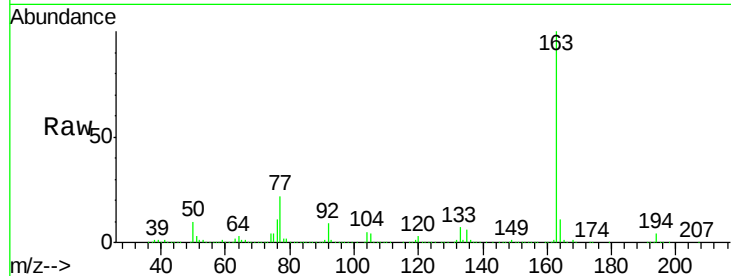




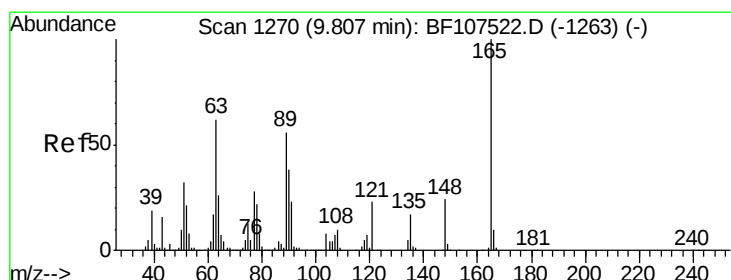
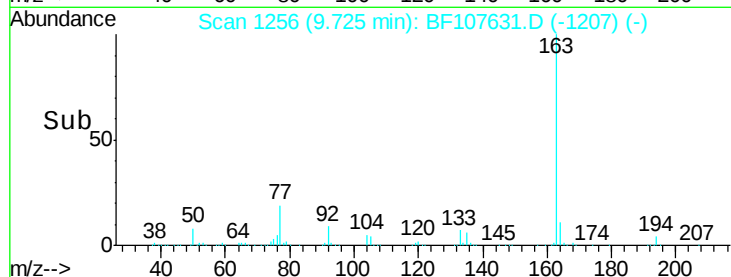
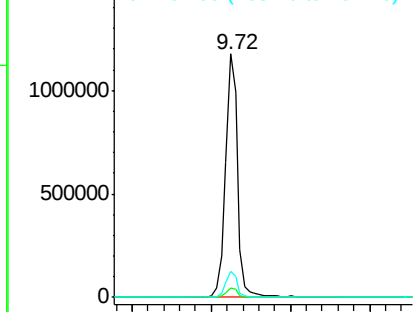
#49
Dimethylphthalate
Concen: 46.431 ng
RT: 9.72 min Scan# 1256
Delta R.T. -0.01 min
Lab File: BF107631.D
Acq: 24 Jul 2018 20:46

Instrument :
BNA_F
ClientSampleId :
GL-TOPSOIL-03MS

Tgt Ion:163 Resp: 1227644
Ion Ratio Lower Upper
163 100
194 3.8 2.7 4.1
164 10.7 8.2 12.2

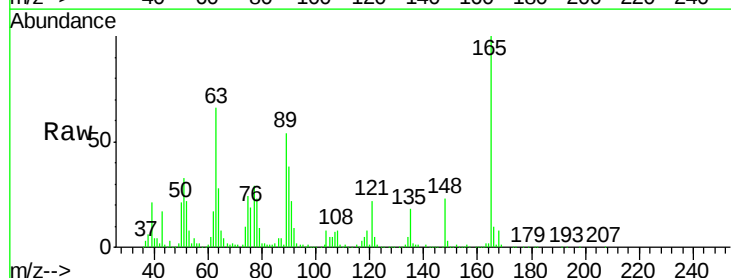


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

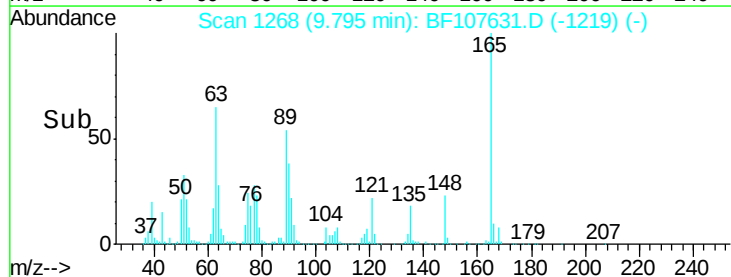
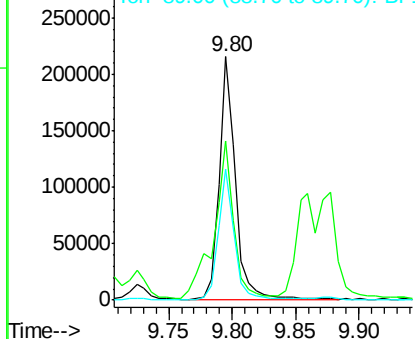


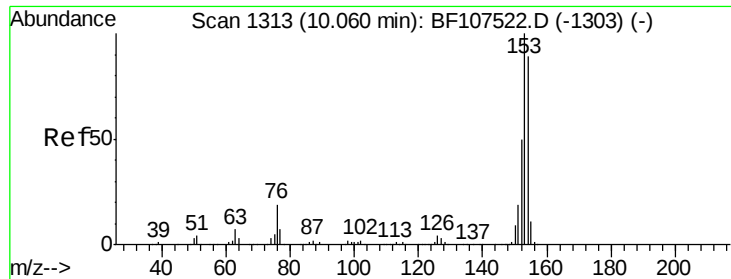
#50
2,6-Dinitrotoluene
Concen: 37.104 ng
RT: 9.80 min Scan# 1268
Delta R.T. -0.01 min
Lab File: BF107631.D
Acq: 24 Jul 2018 20:46

Tgt Ion:165 Resp: 194773
Ion Ratio Lower Upper
165 100
63 65.5 44.7 67.1
89 53.7 44.0 66.0



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





#51

Acenaphthene

Concen: 34.495 ng

RT: 10.05 min Scan# 1311

Delta R.T. -0.01 min

Lab File: BF107631.D

Acq: 24 Jul 2018 20:46

Instrument :

BNA_F

ClientSampleId :

GL-TOPSOIL-03MS

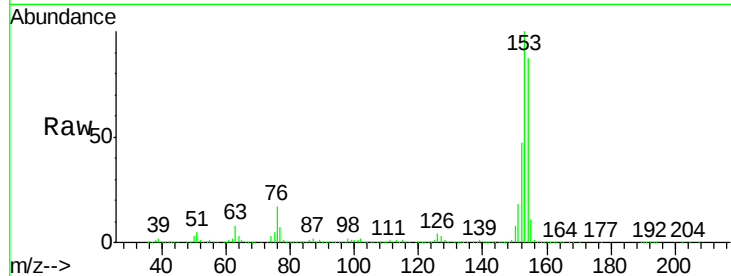
Tgt Ion:154 Resp: 758417

Ion Ratio Lower Upper

154 100

153 114.8 91.2 136.8

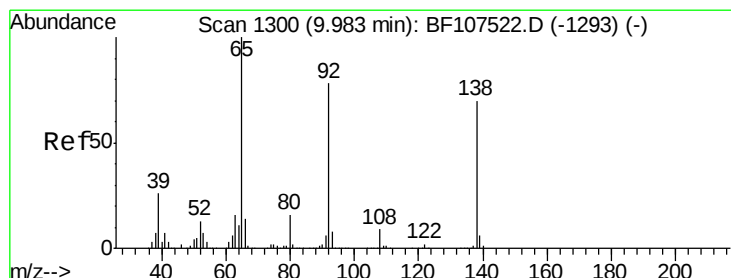
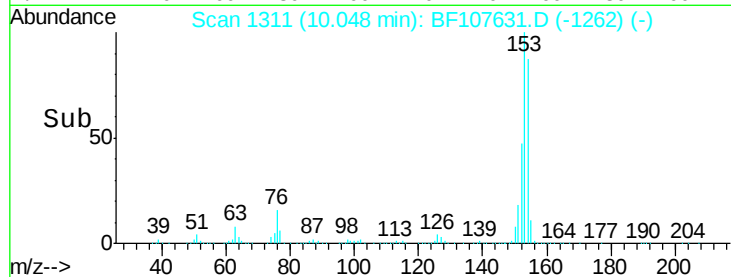
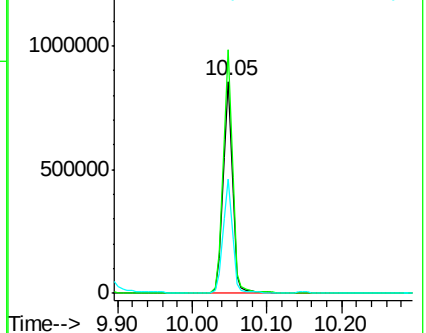
152 54.2 43.8 65.8



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 32.710 ng

RT: 9.97 min Scan# 1298

Delta R.T. -0.01 min

Lab File: BF107631.D

Acq: 24 Jul 2018 20:46

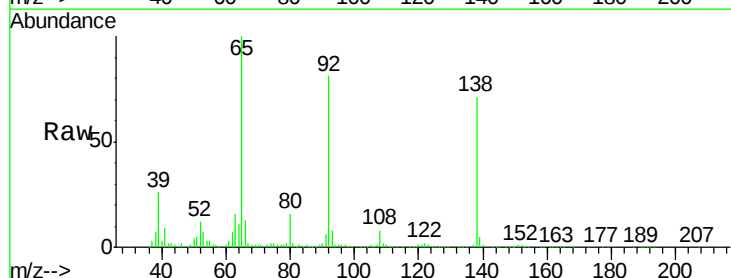
Tgt Ion:138 Resp: 208893

Ion Ratio Lower Upper

138 100

108 11.4 9.4 14.0

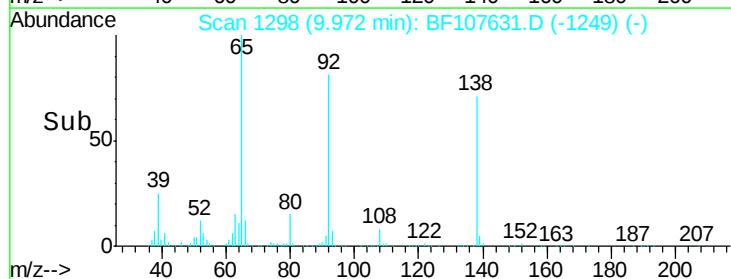
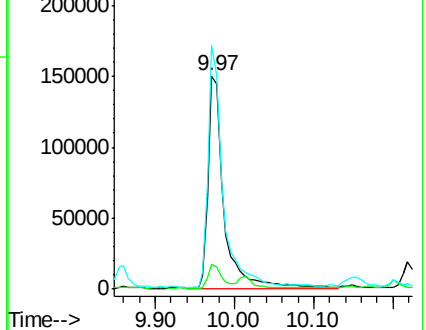
92 114.4 89.4 134.2

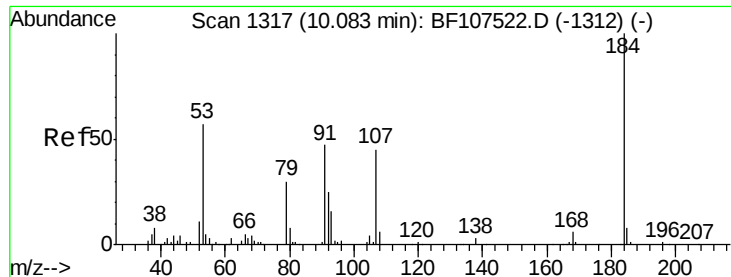


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1

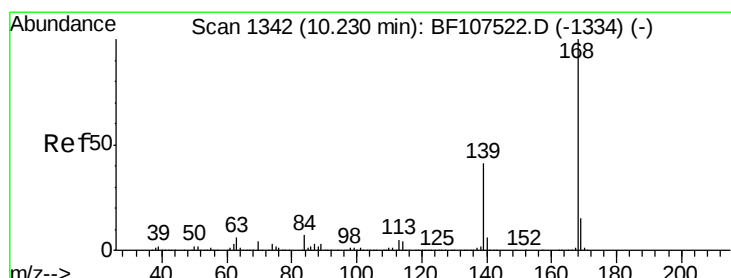
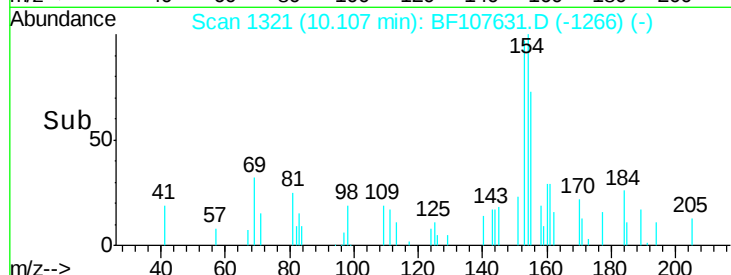
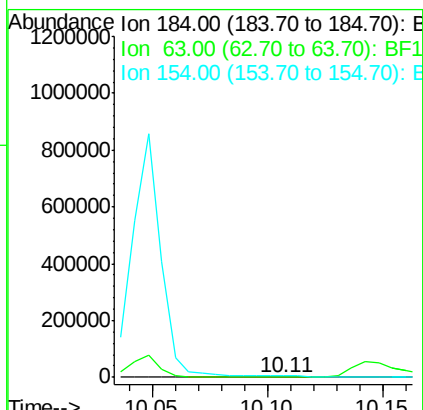
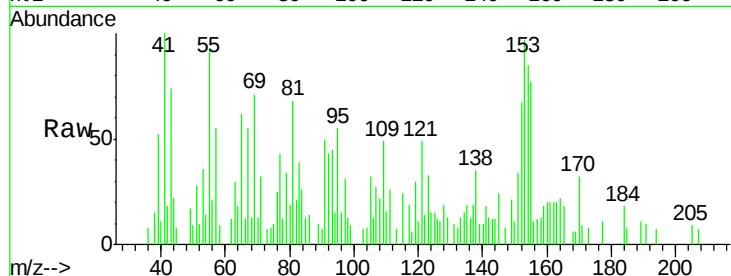




#53
2,4-Dinitrophenol
Concen: 9.238 ng
RT: 10.11 min Scan# 1321
Delta R.T. 0.02 min
Lab File: BF107631.D
Acq: 24 Jul 2018 20:46

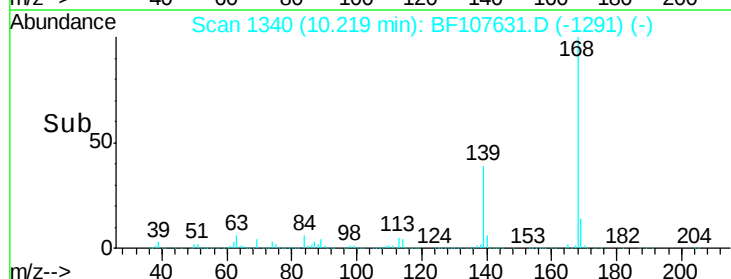
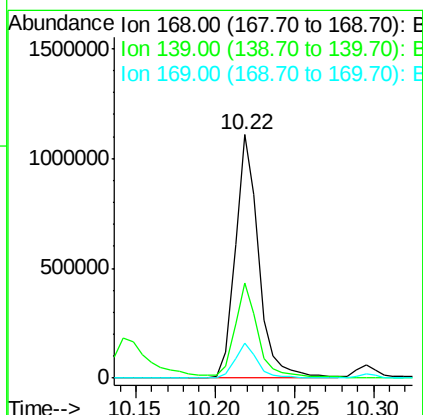
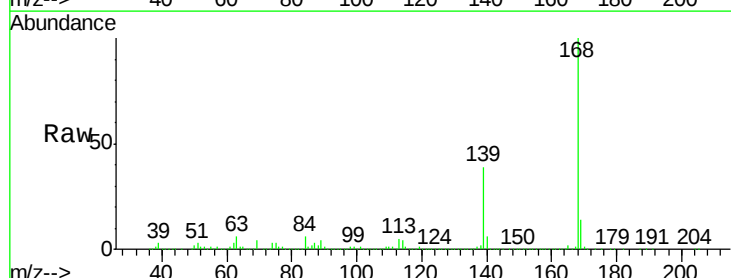
Instrument :
BNA_F
ClientSampleId :
GL-TOPSOIL-03MS

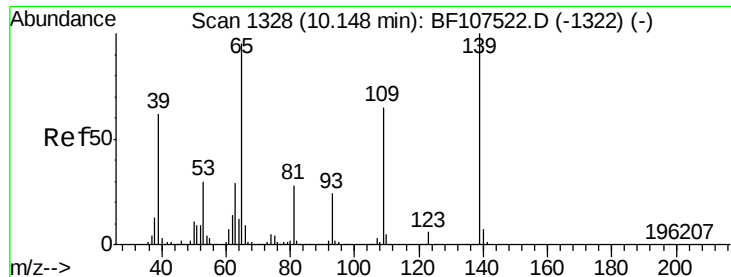
Tgt Ion:184 Resp: 1718
Ion Ratio Lower Upper
184 100
63 167.2 54.2 81.2#
154 478.2 184.0 276.0#



#54
Dibenzofuran
Concen: 34.829 ng
RT: 10.22 min Scan# 1340
Delta R.T. -0.01 min
Lab File: BF107631.D
Acq: 24 Jul 2018 20:46

Tgt Ion:168 Resp: 1127336
Ion Ratio Lower Upper
168 100
139 39.2 30.1 45.1
169 14.2 10.9 16.3

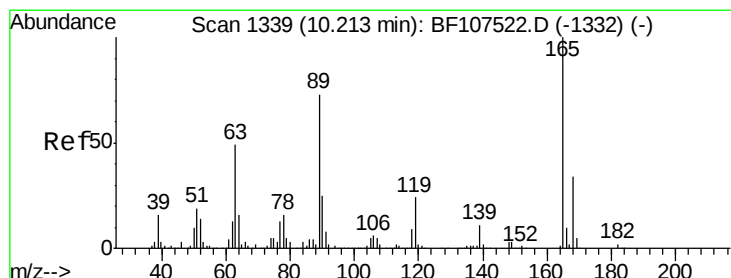
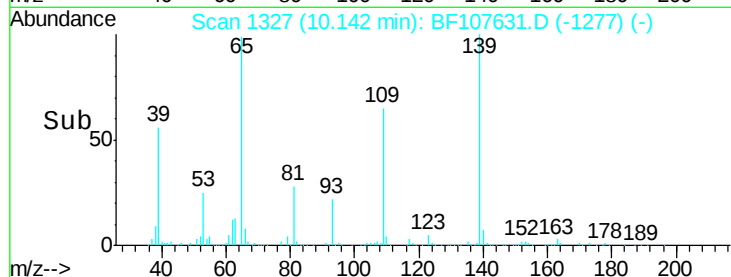
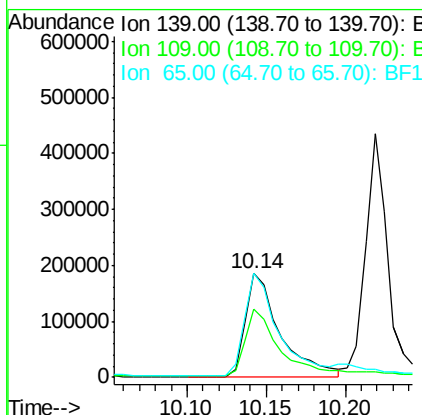
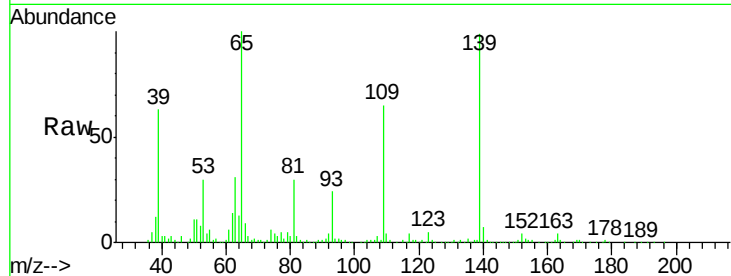




#55
4-Nitrophenol
Concen: 58.965 ng
RT: 10.14 min Scan# 1327
Delta R.T. -0.01 min
Lab File: BF107631.D
Acq: 24 Jul 2018 20:46

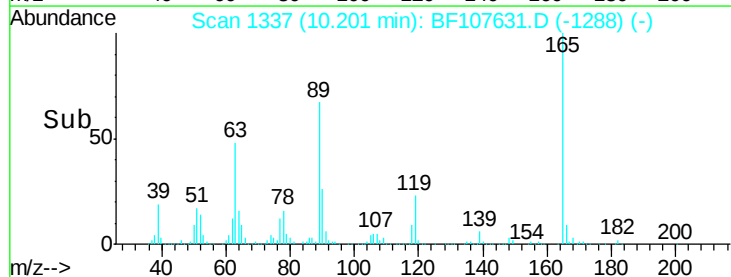
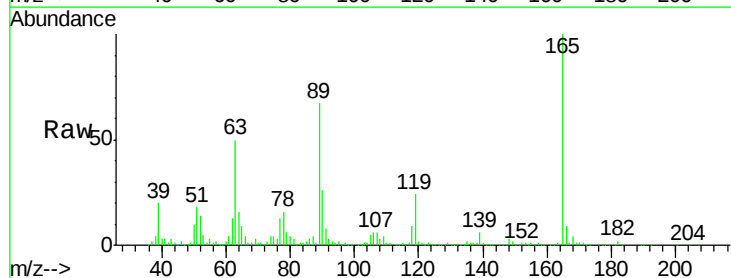
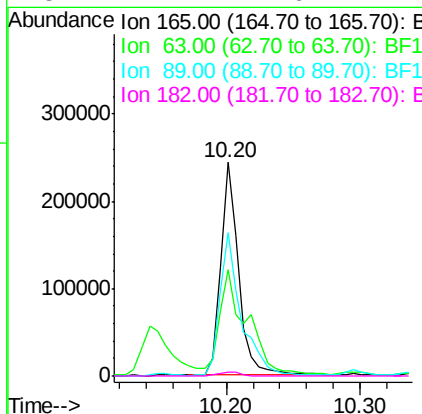
Instrument :
BNA_F
ClientSampleId :
GL-TOPSOIL-03MS

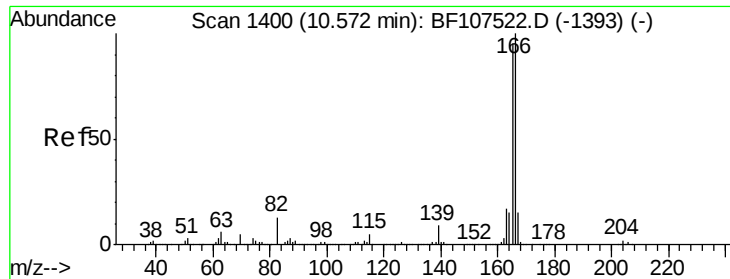
Tgt Ion:139 Resp: 281932
Ion Ratio Lower Upper
139 100
109 65.7 48.4 88.4
65 100.7 72.6 112.6



#56
2,4-Dinitrotoluene
Concen: 36.577 ng
RT: 10.20 min Scan# 1337
Delta R.T. -0.01 min
Lab File: BF107631.D
Acq: 24 Jul 2018 20:46

Tgt Ion:165 Resp: 231769
Ion Ratio Lower Upper
165 100
63 49.6 36.4 54.6
89 67.1 57.8 86.6
182 2.1 1.6 2.4





#57

Fluorene

Concen: 37.612 ng

RT: 10.57 min Scan# 1399

Delta R.T. -0.01 min

Lab File: BF107631.D

Acq: 24 Jul 2018 20:46

Instrument :

BNA_F

ClientSampleId :

GL-TOPSOIL-03MS

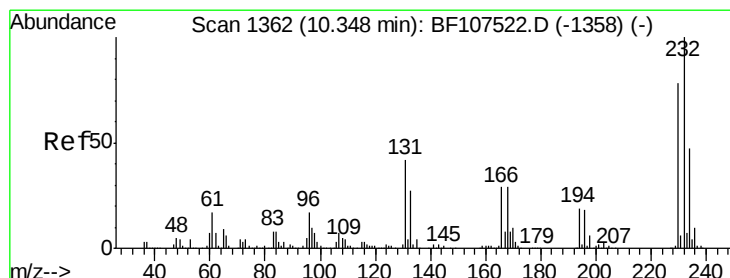
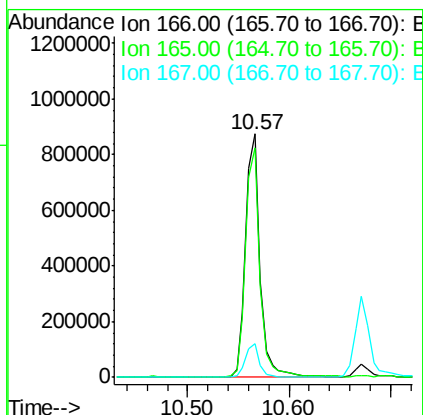
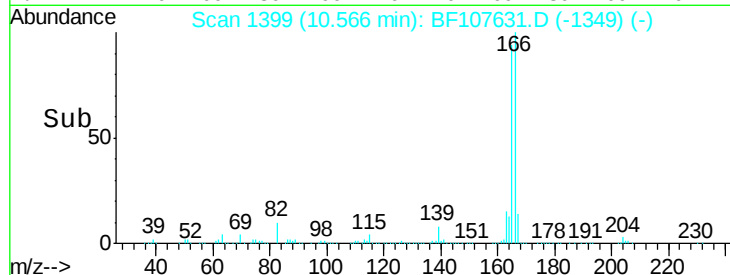
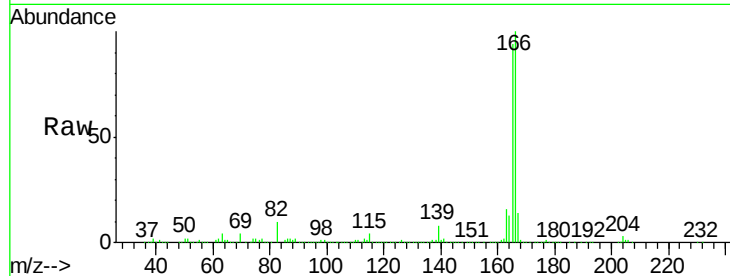
Tgt Ion:166 Resp: 868541

Ion Ratio Lower Upper

166 100

165 94.4 79.8 119.8

167 13.8 10.6 16.0



#58

2,3,4,6-Tetrachlorophenol

Concen: 35.802 ng

RT: 10.34 min Scan# 1361

Delta R.T. -0.01 min

Lab File: BF107631.D

Acq: 24 Jul 2018 20:46

Tgt Ion:232 Resp: 233247

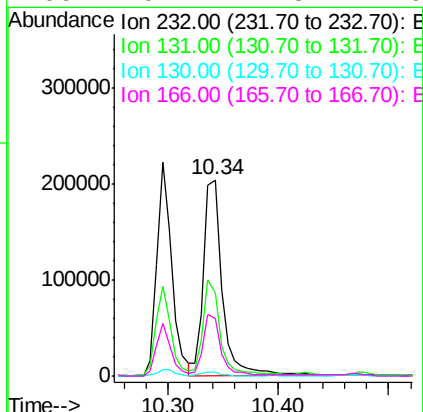
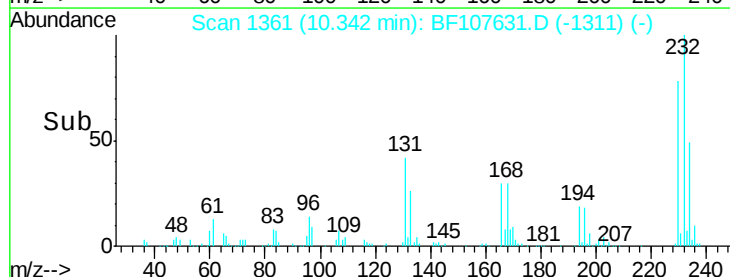
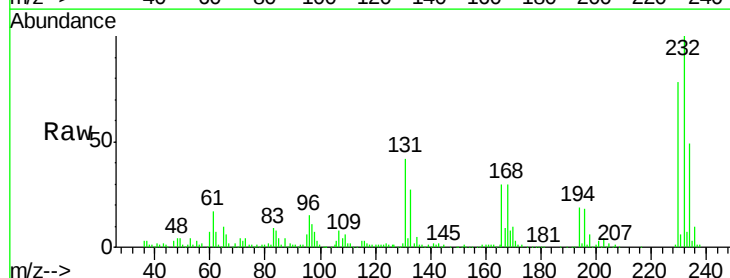
Ion Ratio Lower Upper

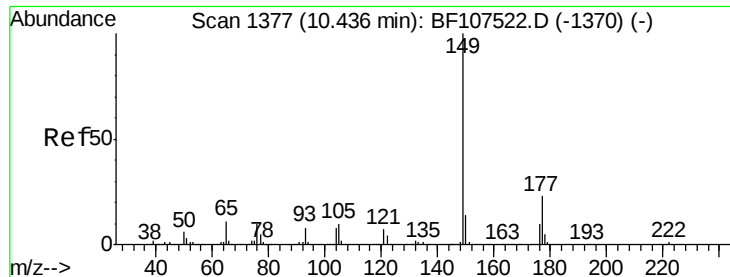
232 100

131 43.0 43.8 65.8#

130 2.3 2.1 3.1

166 29.1 27.8 41.6

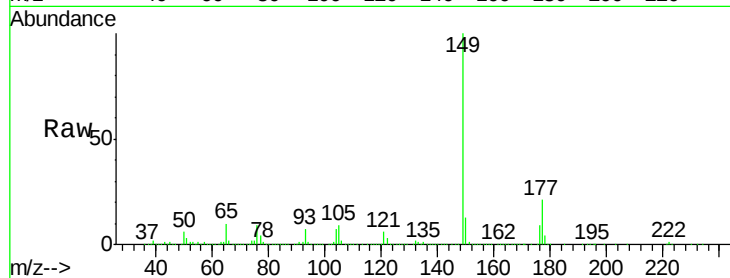




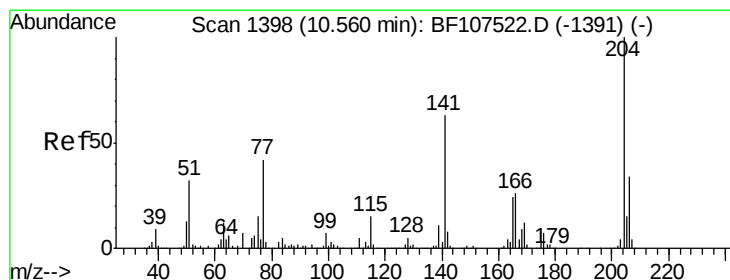
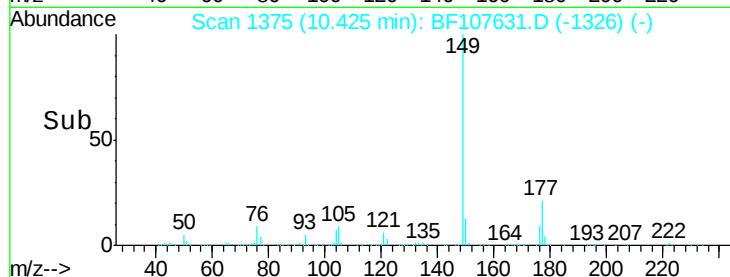
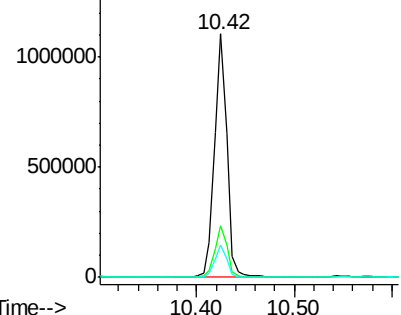
#59
Diethylphthalate
Concen: 35.430 ng
RT: 10.42 min Scan# 1375
Delta R.T. -0.01 min
Lab File: BF107631.D
Acq: 24 Jul 2018 20:46

Instrument :
BNA_F
ClientSampleId :
GL-TOPSOIL-03MS

Tgt Ion:149 Resp: 978344
Ion Ratio Lower Upper
149 100
177 21.3 16.1 24.1
150 13.4 10.1 15.1

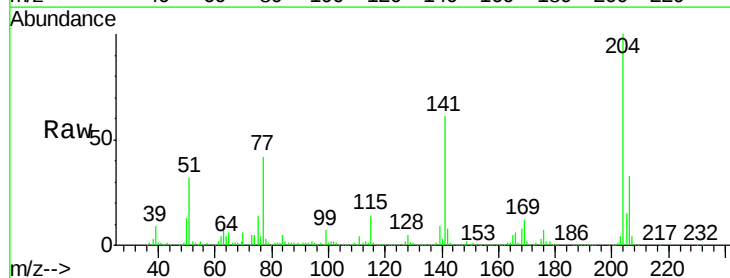


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E

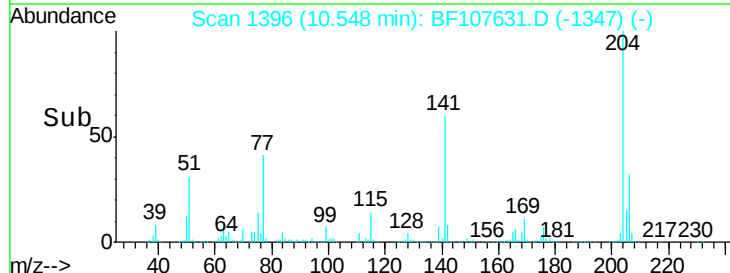
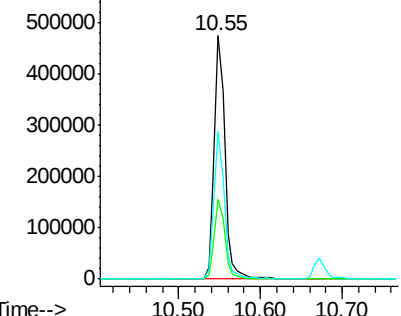


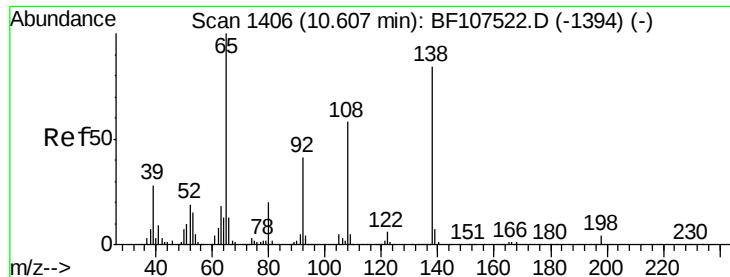
#60
4-Chlorophenyl-phenylether
Concen: 33.402 ng
RT: 10.55 min Scan# 1396
Delta R.T. -0.01 min
Lab File: BF107631.D
Acq: 24 Jul 2018 20:46

Tgt Ion:204 Resp: 436042
Ion Ratio Lower Upper
204 100
206 32.5 26.5 39.7
141 60.6 54.6 81.8



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

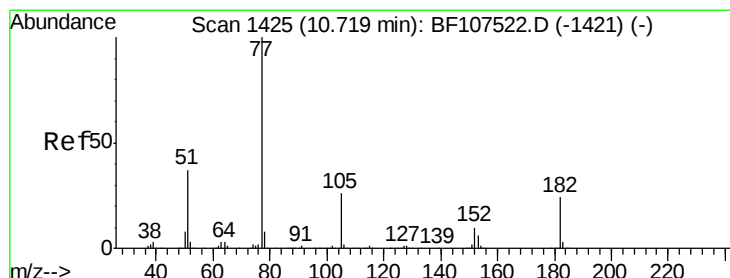
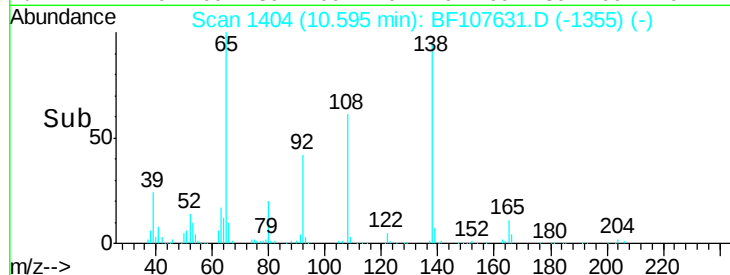
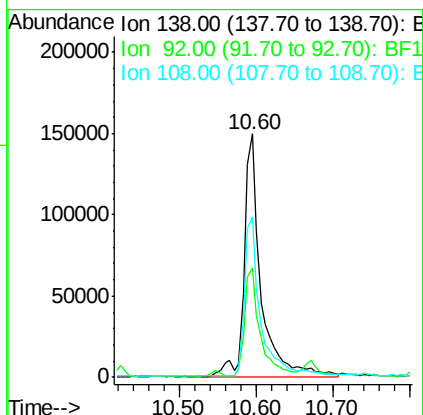
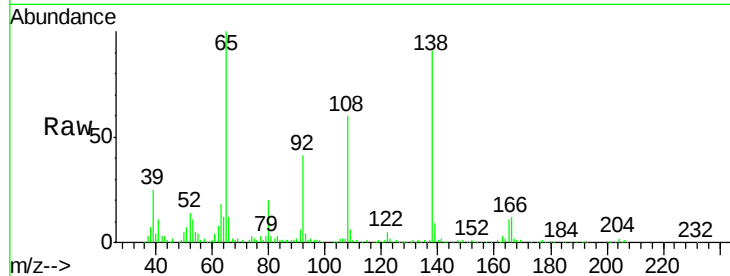




#61
4-Nitroaniline
Concen: 42.572 ng
RT: 10.60 min Scan# 1404
Delta R.T. -0.01 min
Lab File: BF107631.D
Acq: 24 Jul 2018 20:46

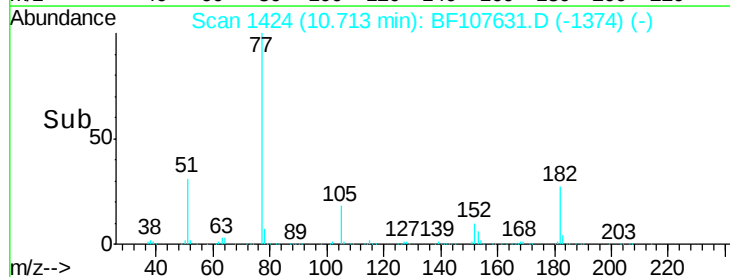
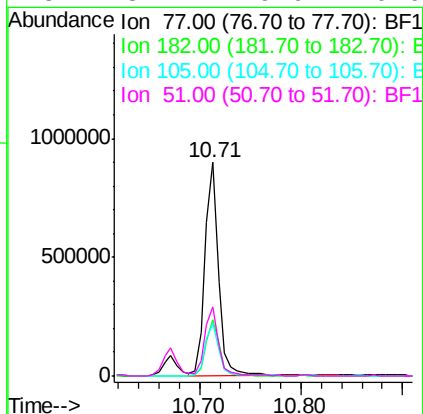
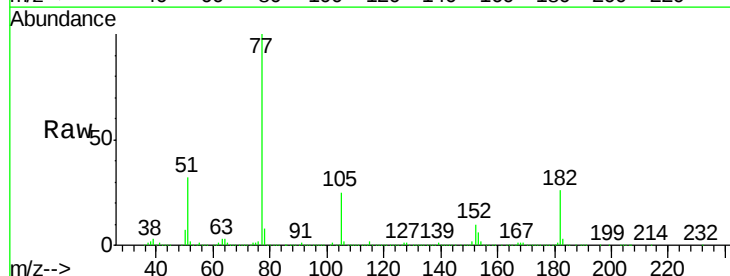
Instrument :
BNA_F
ClientSampleId :
GL-TOPSOIL-03MS

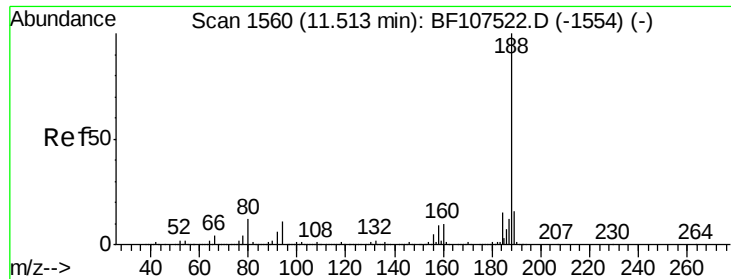
Tgt Ion: 138 Resp: 228421
Ion Ratio Lower Upper
138 100
92 45.0 30.2 70.2
108 65.8 52.5 92.5



#62
Azobenzene
Concen: 32.104 ng
RT: 10.71 min Scan# 1424
Delta R.T. -0.01 min
Lab File: BF107631.D
Acq: 24 Jul 2018 20:46

Tgt Ion: 77 Resp: 831275
Ion Ratio Lower Upper
77 100
182 26.4 1.7 41.7
105 24.7 3.0 43.0
51 32.2 9.9 49.9

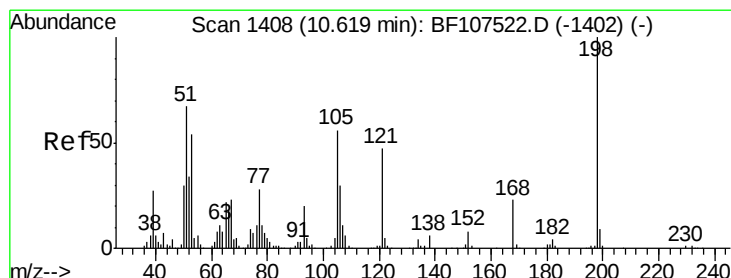
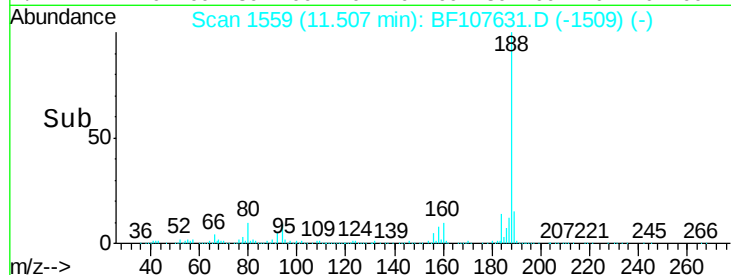
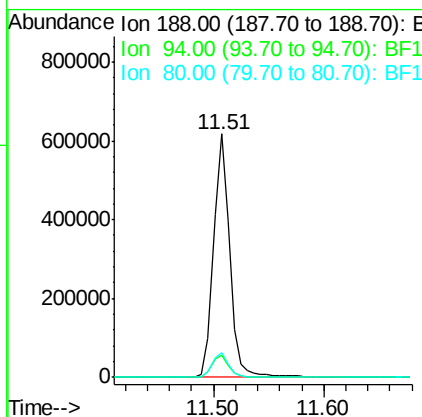
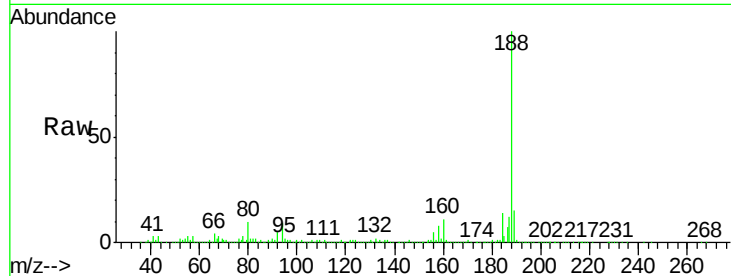




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.51 min Scan# 1559
Delta R.T. -0.01 min
Lab File: BF107631.D
Acq: 24 Jul 2018 20:46

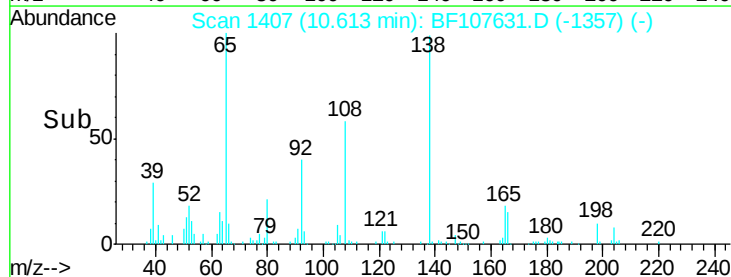
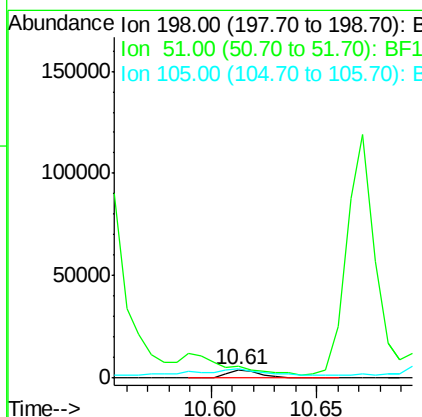
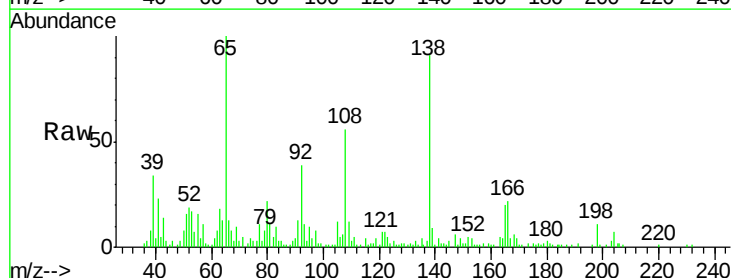
Instrument :
BNA_F
ClientSampleId :
GL-TOPSOIL-03MS

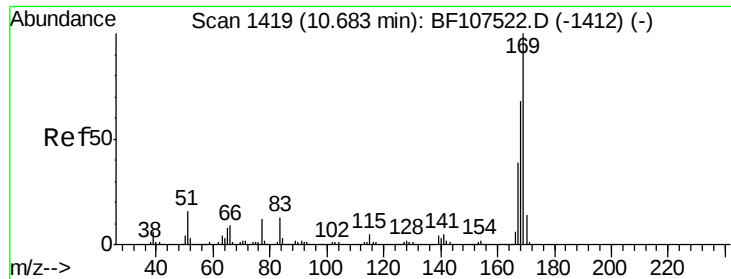
Tgt Ion:188 Resp: 623580
Ion Ratio Lower Upper
188 100
94 9.3 8.5 12.7
80 10.1 9.2 13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 10.071 ng
RT: 10.61 min Scan# 1407
Delta R.T. -0.01 min
Lab File: BF107631.D
Acq: 24 Jul 2018 20:46

Tgt Ion:198 Resp: 5110
Ion Ratio Lower Upper
198 100
51 141.3 37.7 77.7#
105 108.7 36.3 76.3#

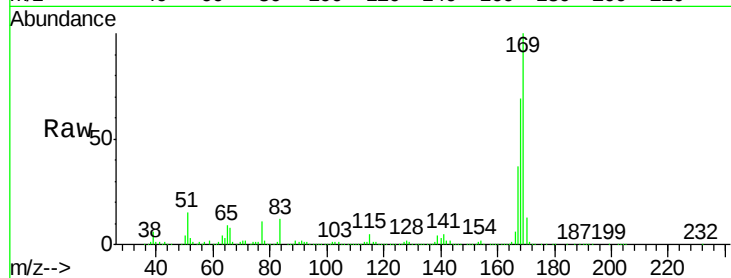




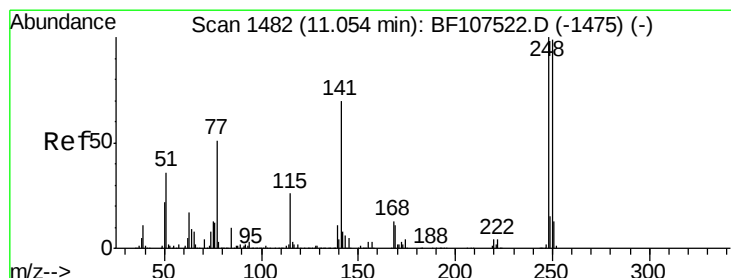
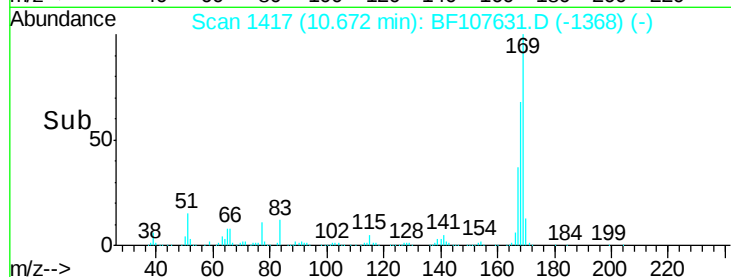
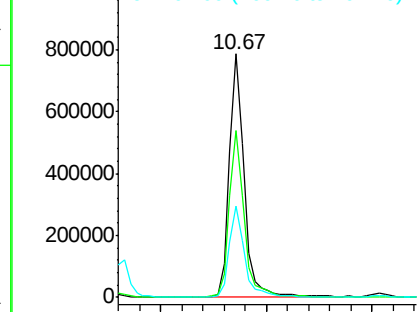
#65
 n-Nitrosodiphenylamine
 Concen: 36.493 ng
 RT: 10.67 min Scan# 1417
 Delta R.T. -0.01 min
 Lab File: BF107631.D
 Acq: 24 Jul 2018 20:46

Instrument :
 BNA_F
 ClientSampleId :
 GL-TOPSOIL-03MS

Tgt Ion:169 Resp: 772855
 Ion Ratio Lower Upper
 169 100
 168 68.7 54.4 81.6
 167 37.3 29.8 44.6

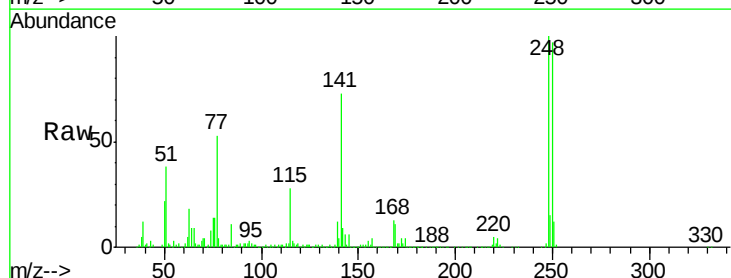


Abundance Ion 169.00 (168.70 to 169.70): E
 Ion 168.00 (167.70 to 168.70): E
 Ion 167.00 (166.70 to 167.70): E

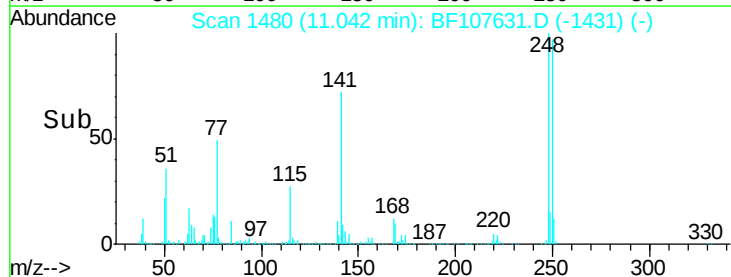
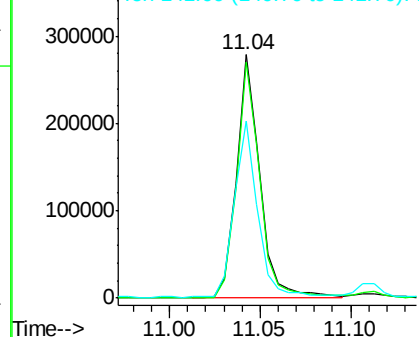


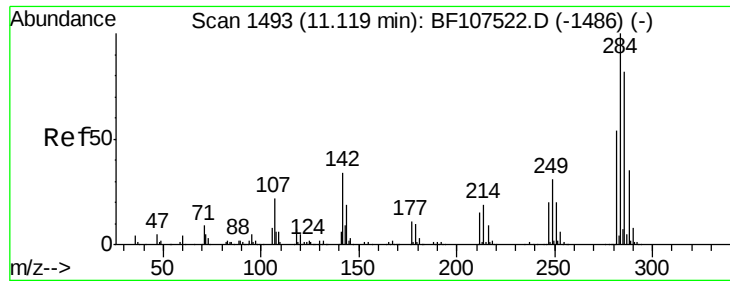
#66
 4-Bromophenyl-phenylether
 Concen: 34.229 ng
 RT: 11.04 min Scan# 1480
 Delta R.T. -0.01 min
 Lab File: BF107631.D
 Acq: 24 Jul 2018 20:46

Tgt Ion:248 Resp: 251258
 Ion Ratio Lower Upper
 248 100
 250 96.7 76.9 115.3
 141 72.5 74.4 111.6#



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





#67

Hexachlorobenzene

Concen: 32.594 ng

RT: 11.11 min Scan# 1492

Delta R.T. -0.01 min

Lab File: BF107631.D

Acq: 24 Jul 2018 20:46

Instrument :

BNA_F

ClientSampleId :

GL-TOPSOIL-03MS

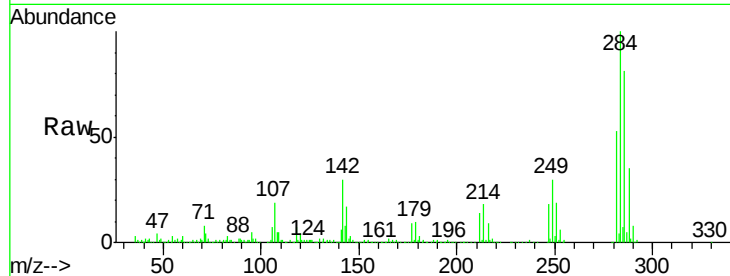
Tgt Ion:284 Resp: 263254

Ion Ratio Lower Upper

284 100

142 30.1 34.6 52.0#

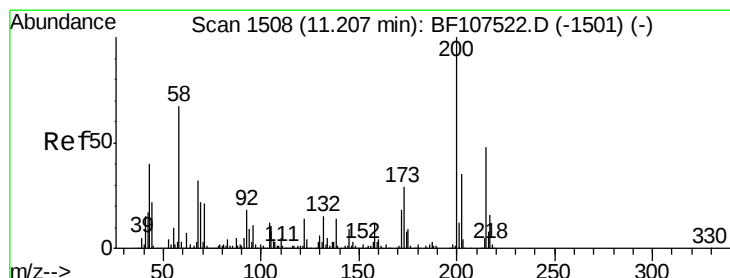
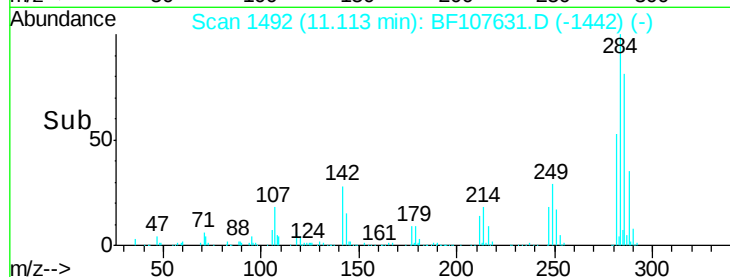
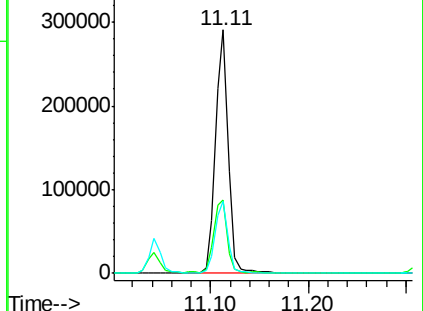
249 29.6 24.8 37.2



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



#68

Atrazine

Concen: 34.365 ng

RT: 11.20 min Scan# 1506

Delta R.T. -0.01 min

Lab File: BF107631.D

Acq: 24 Jul 2018 20:46

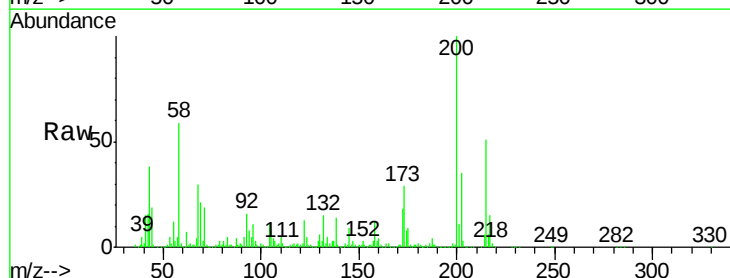
Tgt Ion:200 Resp: 222211

Ion Ratio Lower Upper

200 100

173 28.6 8.6 48.6

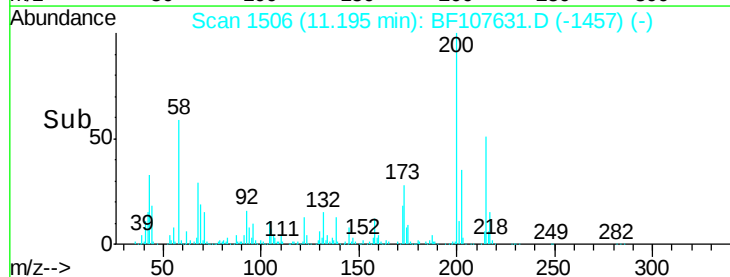
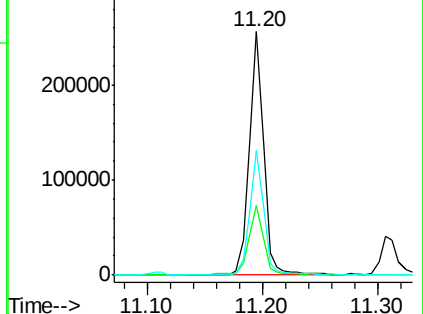
215 50.9 25.1 65.1

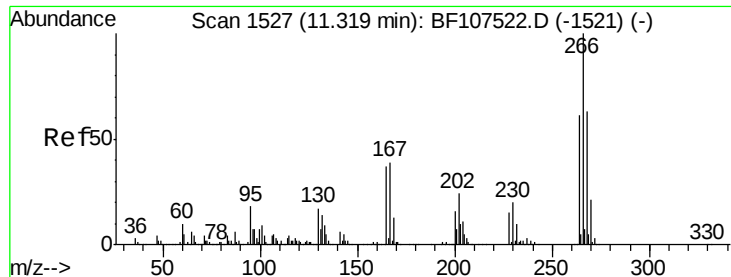


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E

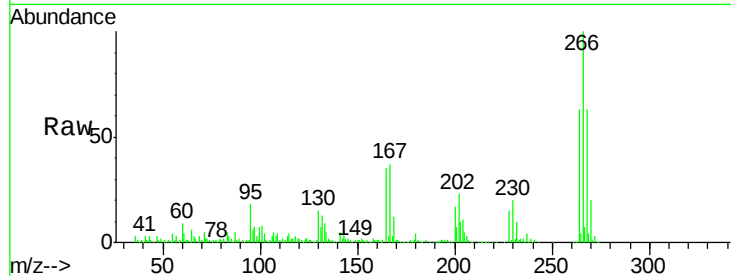




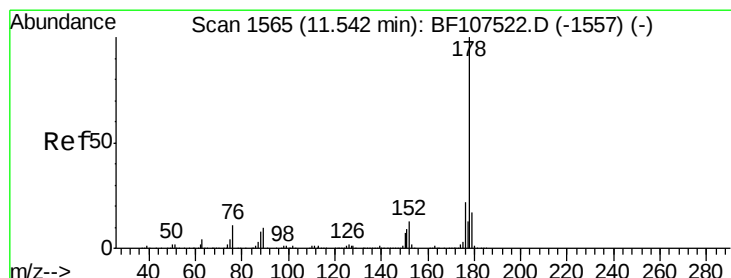
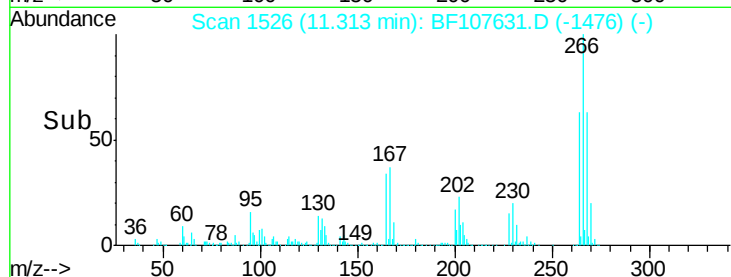
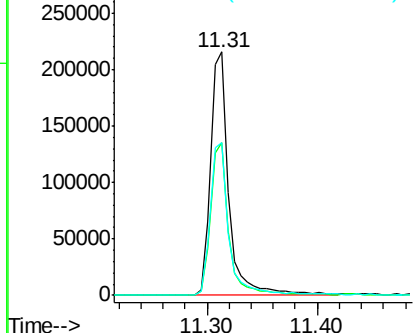
#69
 Pentachlorophenol
 Concen: 48.252 ng
 RT: 11.31 min Scan# 1526
 Delta R.T. -0.01 min
 Lab File: BF107631.D
 Acq: 24 Jul 2018 20:46

Instrument :
 BNA_F
 ClientSampleId :
 GL-TOPSOIL-03MS

Tgt Ion: 266 Resp: 243427
 Ion Ratio Lower Upper
 266 100
 268 62.6 51.1 76.7
 264 62.7 49.5 74.3

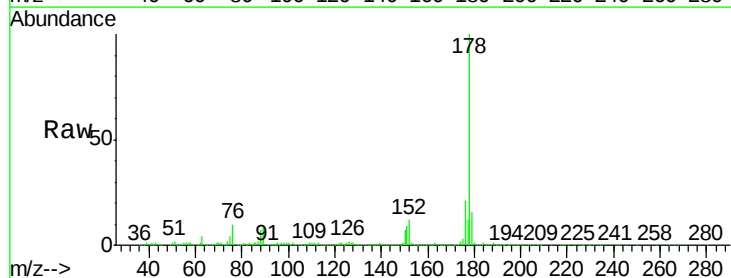


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

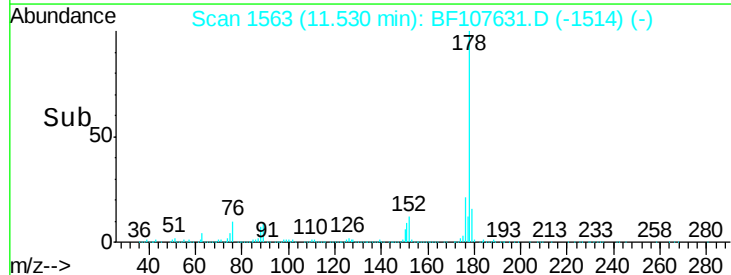
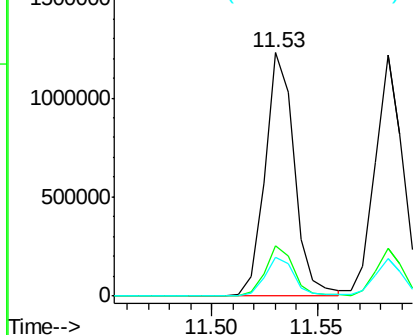


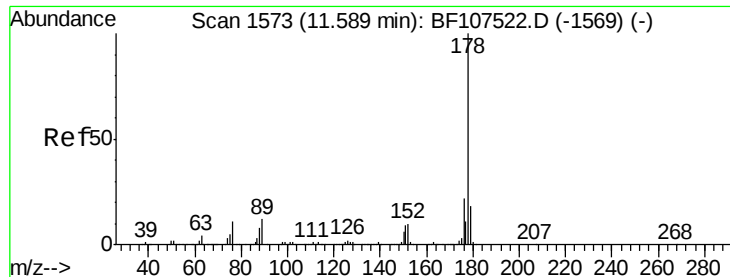
#70
 Phenanthrene
 Concen: 39.019 ng
 RT: 11.53 min Scan# 1563
 Delta R.T. -0.01 min
 Lab File: BF107631.D
 Acq: 24 Jul 2018 20:46

Tgt Ion: 178 Resp: 1185693
 Ion Ratio Lower Upper
 178 100
 176 20.7 15.8 23.8
 179 16.0 13.0 19.6



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

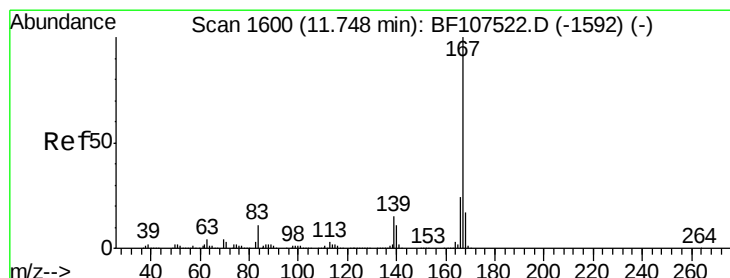
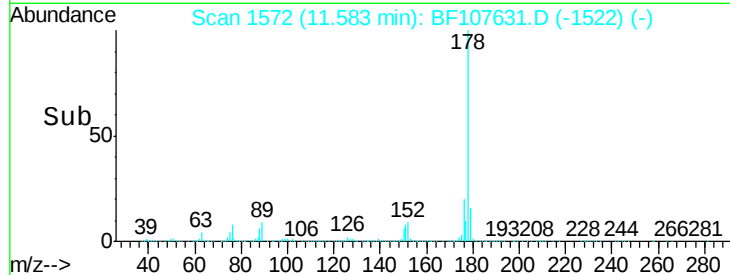
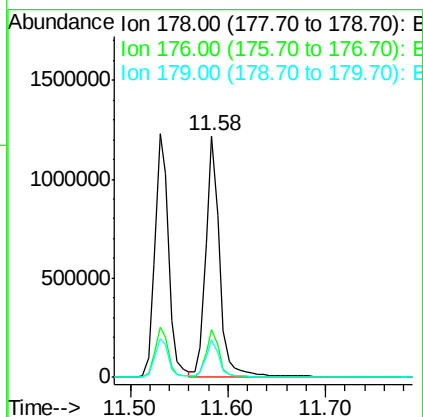
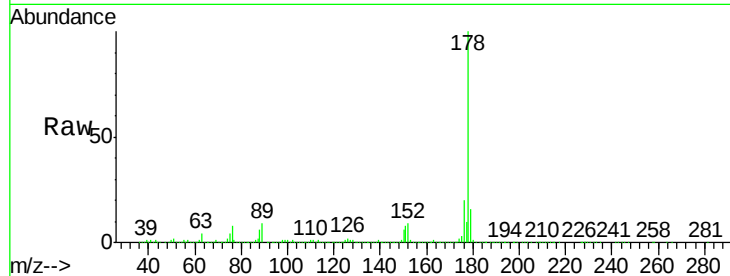




#71
 Anthracene
 Concen: 38.904 ng
 RT: 11.58 min Scan# 1572
 Delta R.T. -0.01 min
 Lab File: BF107631.D
 Acq: 24 Jul 2018 20:46

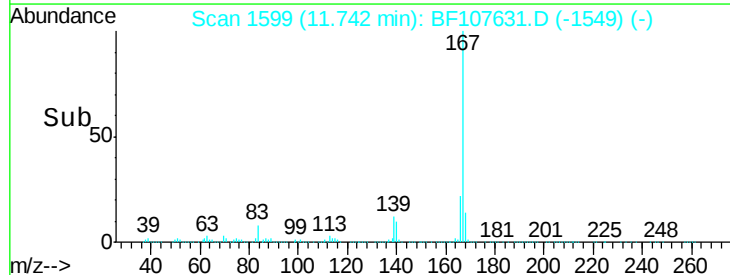
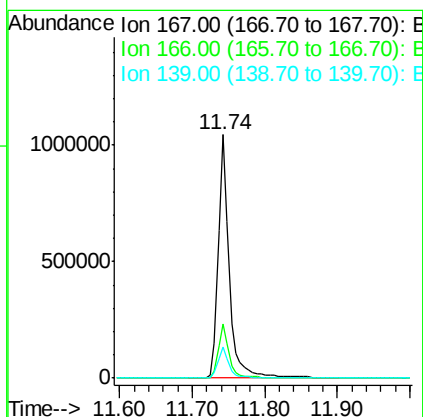
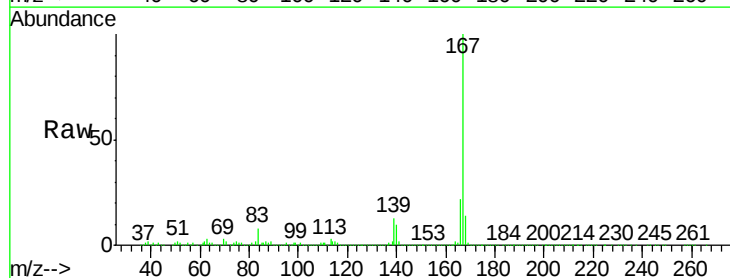
Instrument :
 BNA_F
 ClientSampleId :
 GL-TOPSOIL-03MS

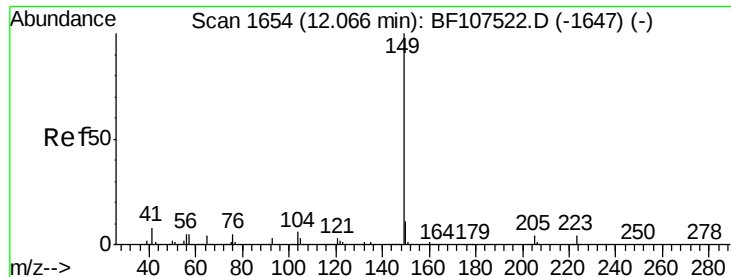
Tgt Ion:178 Resp: 1190285
 Ion Ratio Lower Upper
 178 100
 176 19.6 15.4 23.2
 179 15.8 12.6 19.0



#72
 Carbazole
 Concen: 35.034 ng
 RT: 11.74 min Scan# 1599
 Delta R.T. -0.01 min
 Lab File: BF107631.D
 Acq: 24 Jul 2018 20:46

Tgt Ion:167 Resp: 1114631
 Ion Ratio Lower Upper
 167 100
 166 22.4 17.6 26.4
 139 12.5 10.9 16.3





#73

Di-n-butylphthalate

Concen: 37.354 ng

RT: 12.05 min Scan# 1652

Delta R.T. -0.01 min

Lab File: BF107631.D

Acq: 24 Jul 2018 20:46

Instrument :

BNA_F

ClientSampleId :

GL-TOPSOIL-03MS

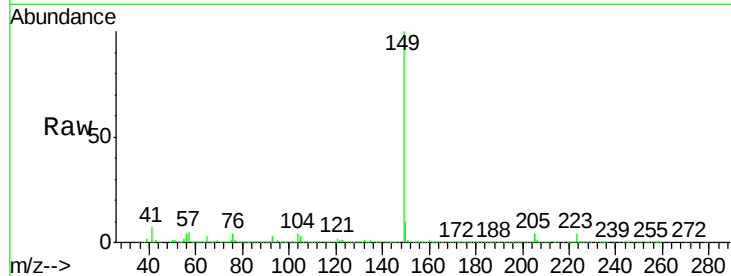
Tgt Ion:149 Resp: 1285996

Ion Ratio Lower Upper

149 100

150 10.1 7.8 11.6

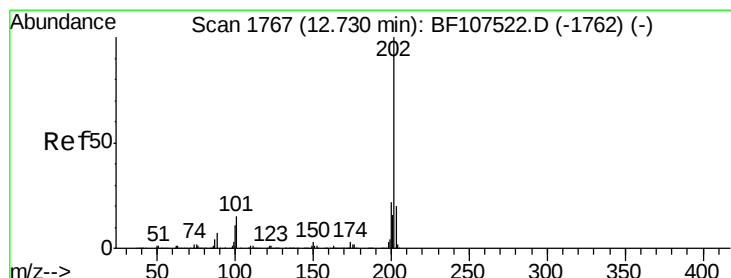
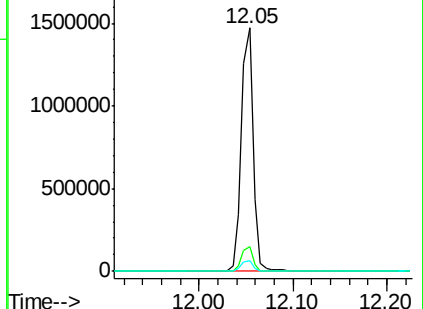
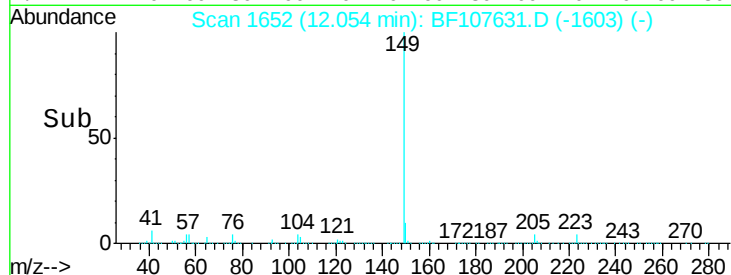
104 4.4 3.8 5.8



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



#74

Fluoranthene

Concen: 45.477 ng

RT: 12.72 min Scan# 1766

Delta R.T. -0.01 min

Lab File: BF107631.D

Acq: 24 Jul 2018 20:46

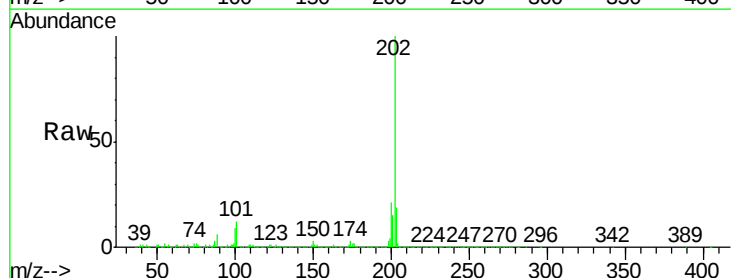
Tgt Ion:202 Resp: 1482908

Ion Ratio Lower Upper

202 100

101 12.1 0.0 34.1

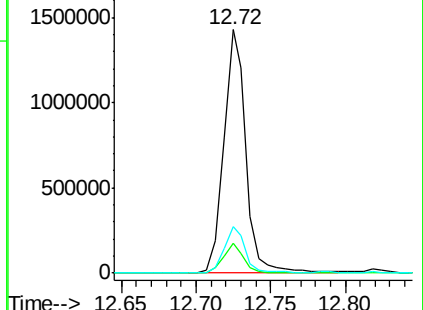
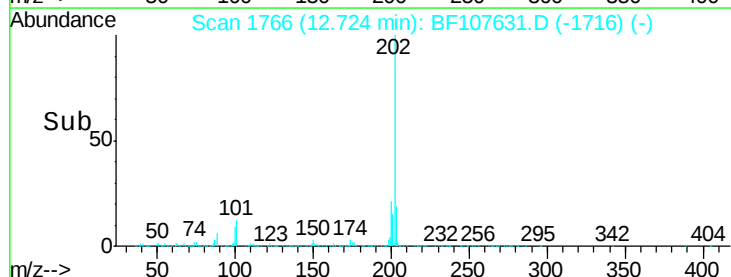
203 18.9 0.0 38.1

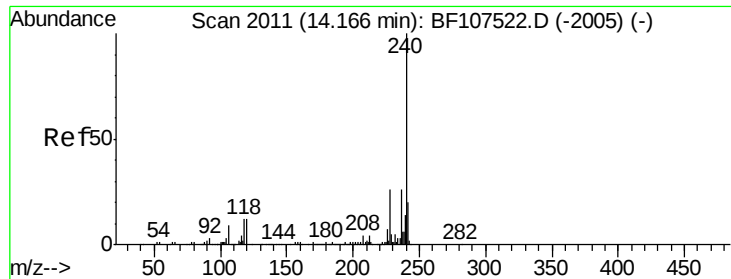


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.16 min Scan# 2010

Delta R.T. -0.01 min

Lab File: BF107631.D

Acq: 24 Jul 2018 20:46

Instrument :

BNA_F

ClientSampleId :

GL-TOPSOIL-03MS

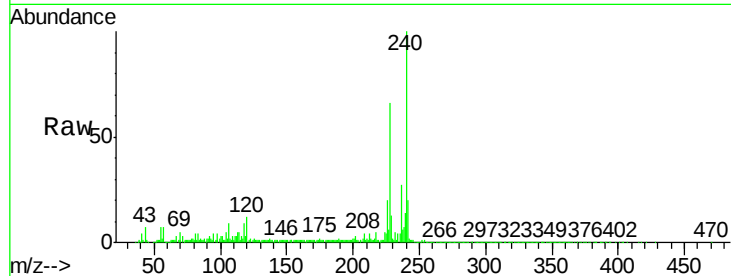
Tgt Ion:240 Resp: 426095

Ion Ratio Lower Upper

240 100

120 11.5 9.5 14.3

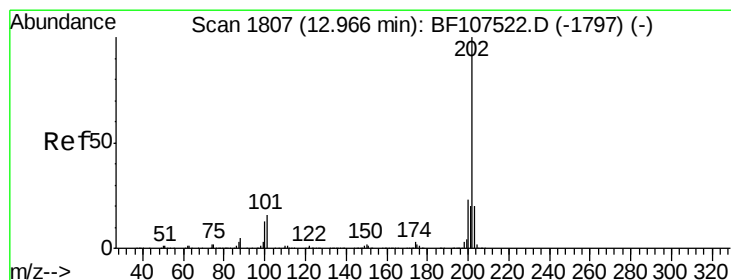
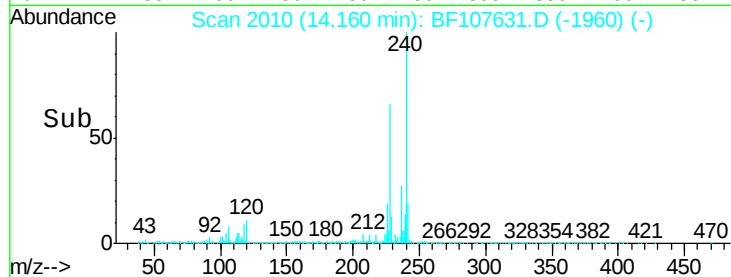
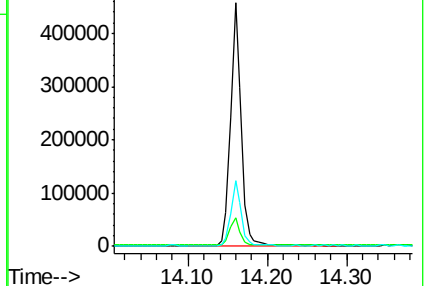
236 26.7 20.7 31.1



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

Pyrene

Concen: 49.371 ng

RT: 12.96 min Scan# 1806

Delta R.T. -0.01 min

Lab File: BF107631.D

Acq: 24 Jul 2018 20:46

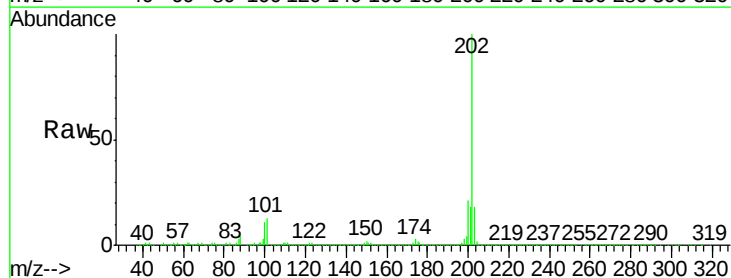
Tgt Ion:202 Resp: 1438929

Ion Ratio Lower Upper

202 100

200 21.1 17.4 26.2

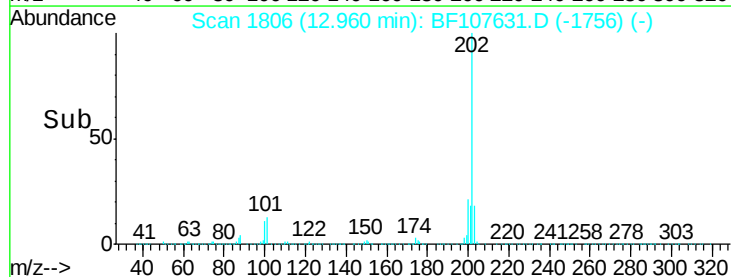
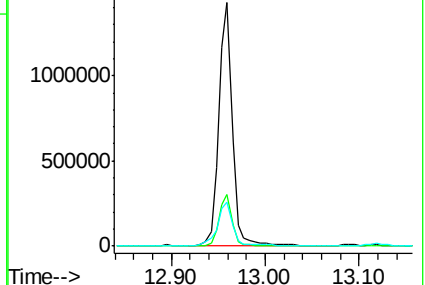
203 18.1 14.3 21.5

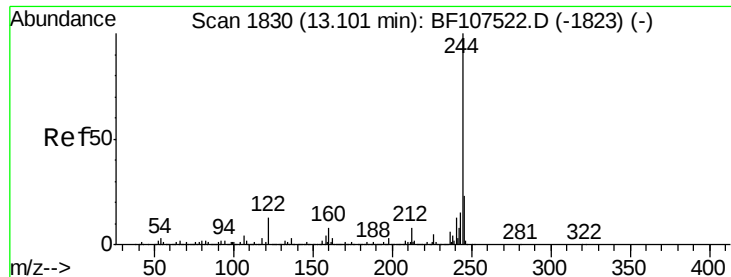


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 96.868 ng

RT: 13.09 min Scan# 1828

Delta R.T. -0.01 min

Lab File: BF107631.D

Acq: 24 Jul 2018 20:46

Instrument :

BNA_F

ClientSampleId :

GL-TOPSOIL-03MS

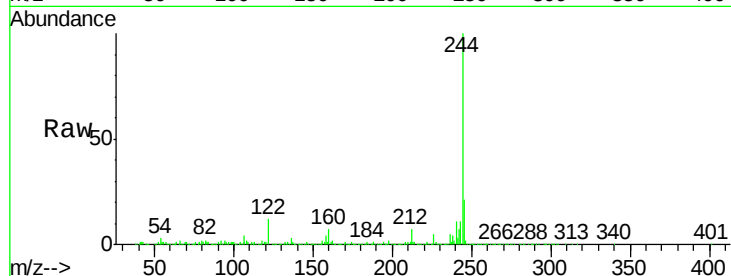
Tgt Ion:244 Resp: 1612247

Ion Ratio Lower Upper

244 100

212 7.3 5.4 8.0

122 12.1 11.0 16.4



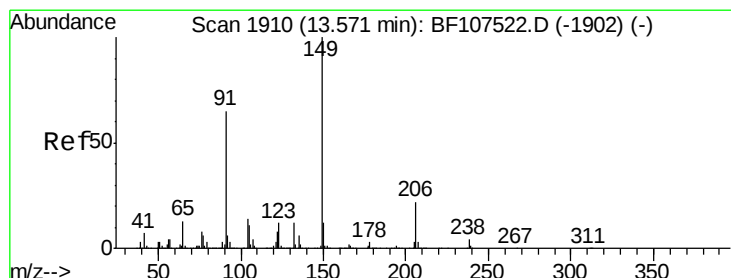
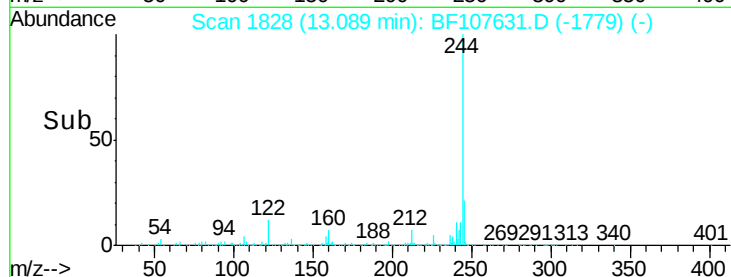
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

13.09

Time-->



#79

Butylbenzylphthalate

Concen: 40.832 ng

RT: 13.56 min Scan# 1908

Delta R.T. -0.01 min

Lab File: BF107631.D

Acq: 24 Jul 2018 20:46

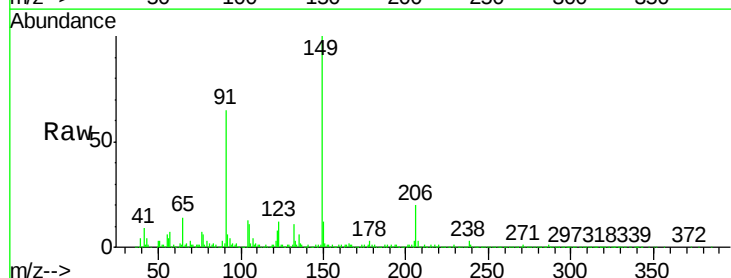
Tgt Ion:149 Resp: 511792

Ion Ratio Lower Upper

149 100

91 65.1 56.8 85.2

206 20.5 14.1 21.1



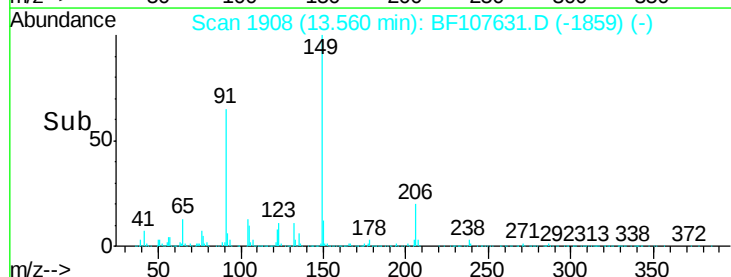
Abundance Ion 149.00 (148.70 to 149.70): E

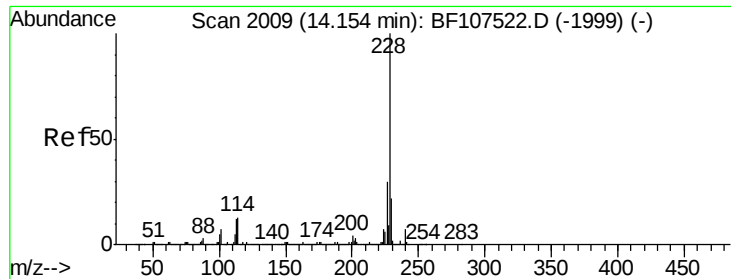
Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E

13.56

Time-->





#80

Benzo(a)anthracene

Concen: 43.646 ng

RT: 14.15 min Scan# 2008

Delta R.T. -0.01 min

Lab File: BF107631.D

Acq: 24 Jul 2018 20:46

Instrument :

BNA_F

ClientSampleId :

GL-TOPSOIL-03MS

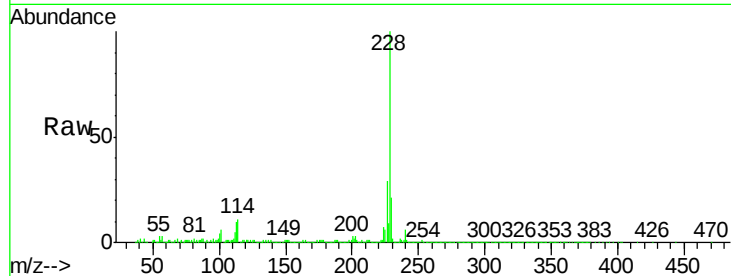
Tgt Ion:228 Resp: 1089849

Ion Ratio Lower Upper

228 100

226 28.9 22.6 33.8

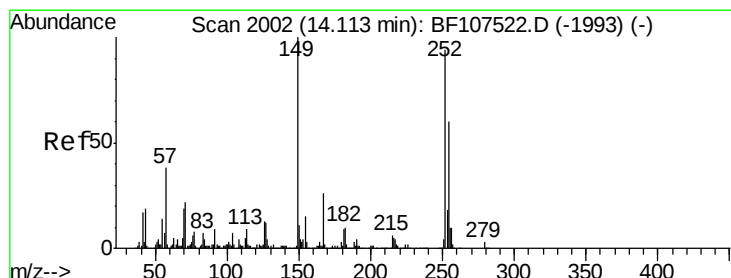
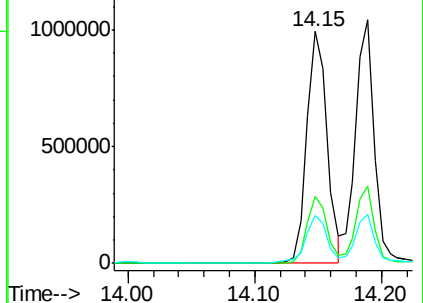
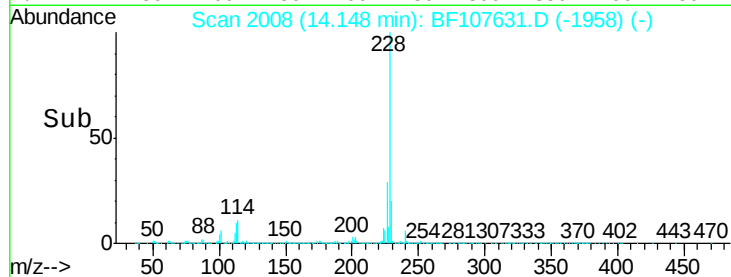
229 20.6 15.8 23.6



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



#81

3,3'-Dichlorobenzidine

Concen: 15.221 ng

RT: 14.11 min Scan# 2001

Delta R.T. -0.01 min

Lab File: BF107631.D

Acq: 24 Jul 2018 20:46

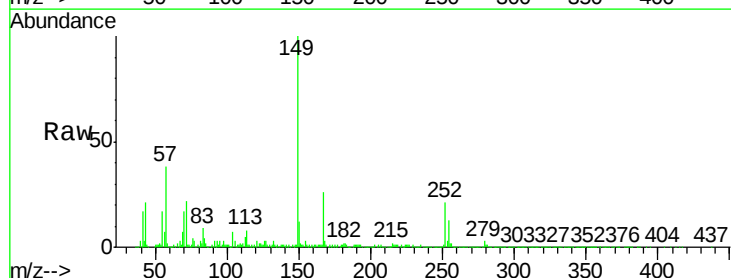
Tgt Ion:252 Resp: 139053

Ion Ratio Lower Upper

252 100

254 63.1 50.4 75.6

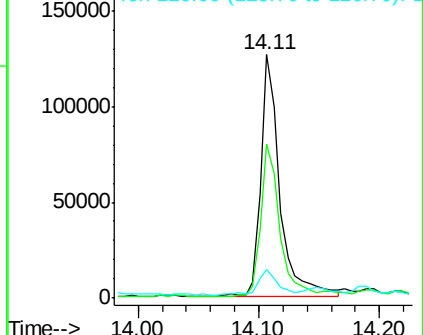
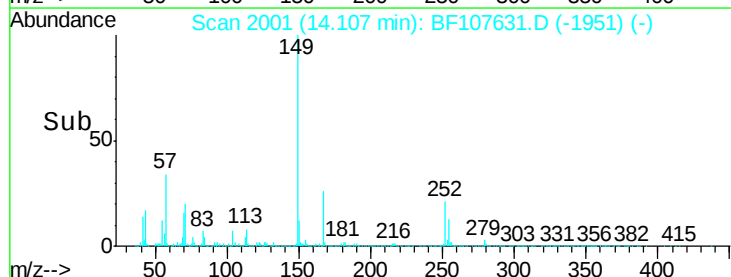
126 12.0 11.3 16.9

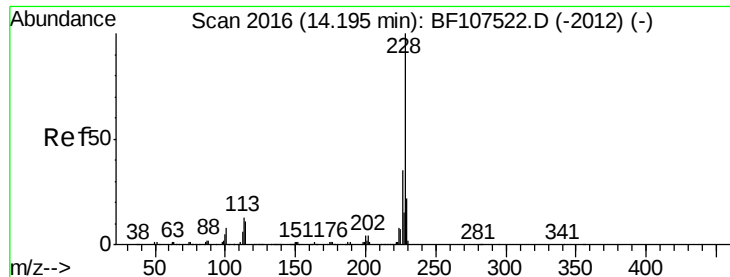


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#82

Chrysene

Concen: 44.877 ng

RT: 14.19 min Scan# 2015

Delta R.T. -0.01 min

Lab File: BF107631.D

Acq: 24 Jul 2018 20:46

Instrument :

BNA_F

ClientSampleId :

GL-TOPSOIL-03MS

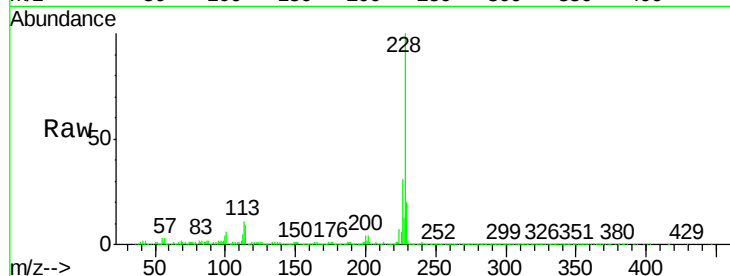
Tgt Ion:228 Resp: 1076421

Ion Ratio Lower Upper

228 100

226 31.5 25.0 37.6

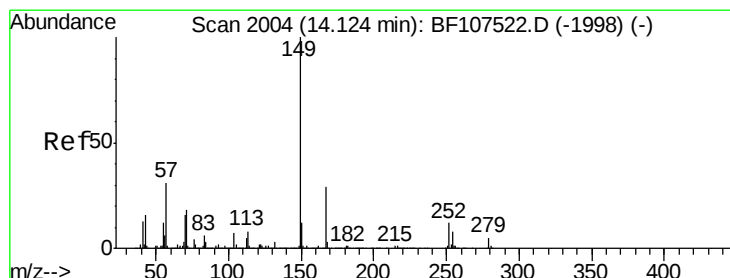
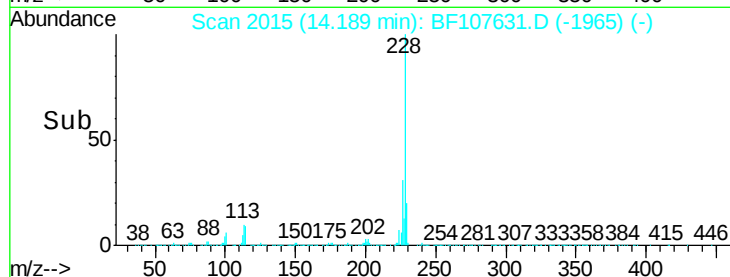
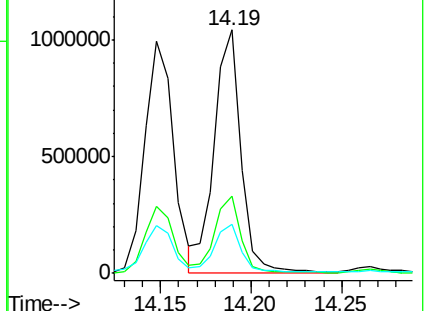
229 20.4 16.2 24.4



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 39.987 ng

RT: 14.11 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BF107631.D

Acq: 24 Jul 2018 20:46

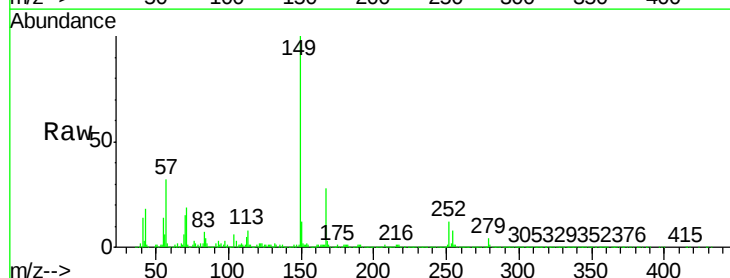
Tgt Ion:149 Resp: 707186

Ion Ratio Lower Upper

149 100

167 27.7 21.3 31.9

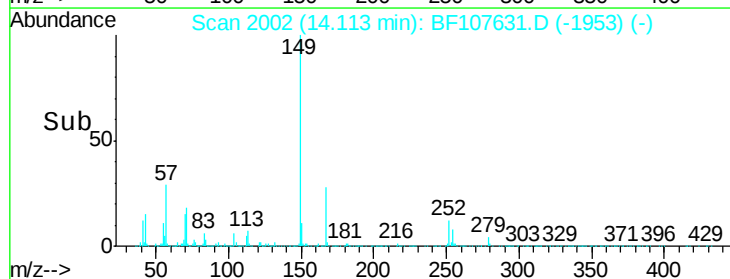
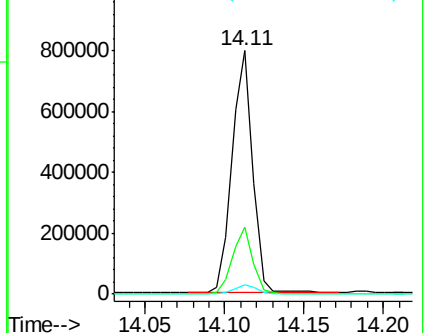
279 3.9 3.0 4.4

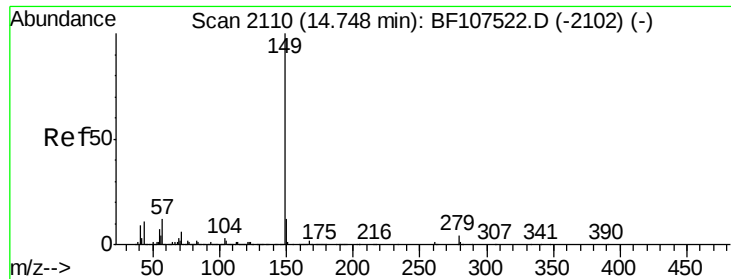


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

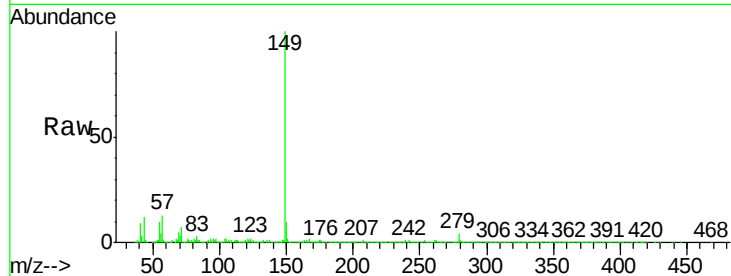




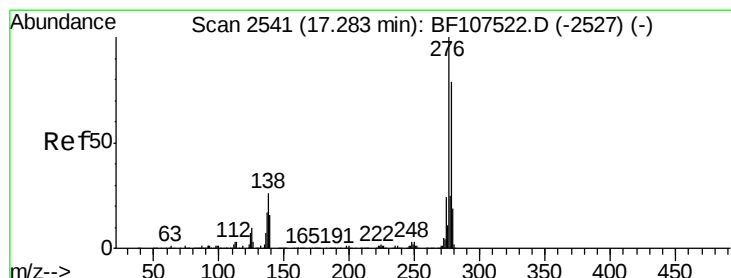
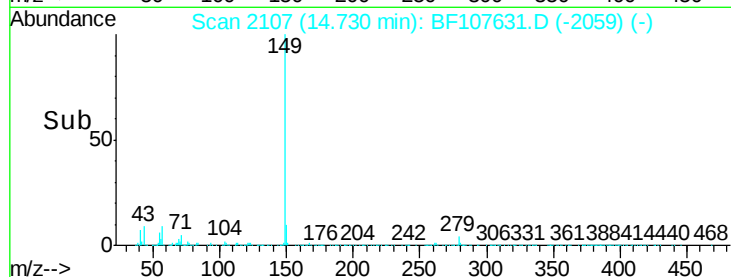
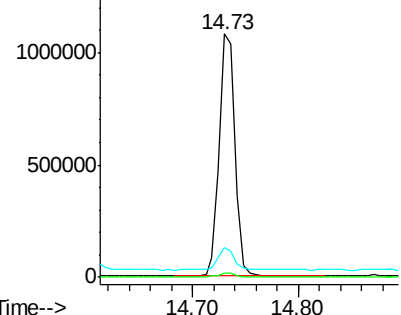
#84
Di-n-octyl phthalate
Concen: 39.662 ng
RT: 14.73 min Scan# 2107
Delta R.T. -0.02 min
Lab File: BF107631.D
Acq: 24 Jul 2018 20:46

Instrument :
BNA_F
ClientSampleId :
GL-TOPSOIL-03MS

Tgt Ion:149 Resp: 1090287
Ion Ratio Lower Upper
149 100
167 1.6 1.2 1.8
43 9.2 8.4 12.6

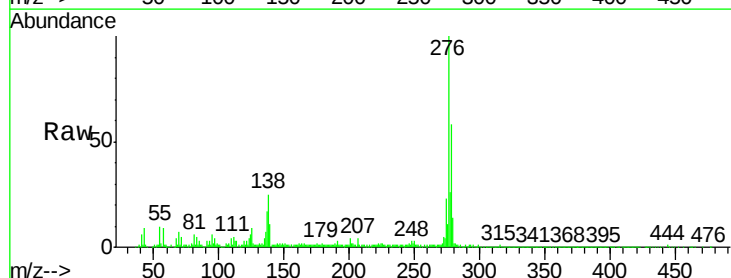


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BF1

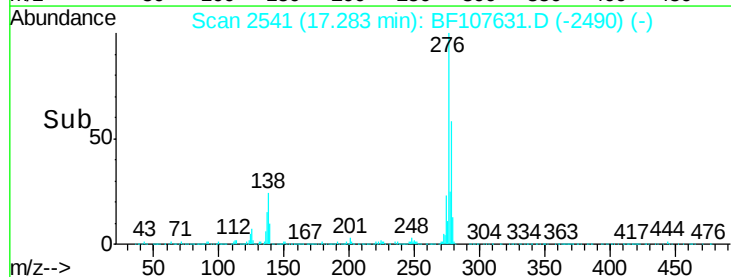
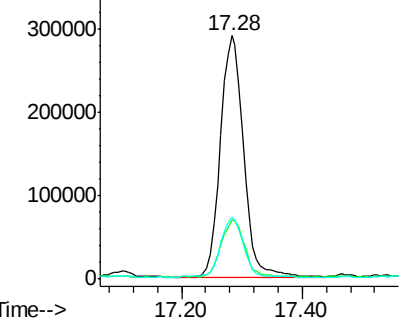


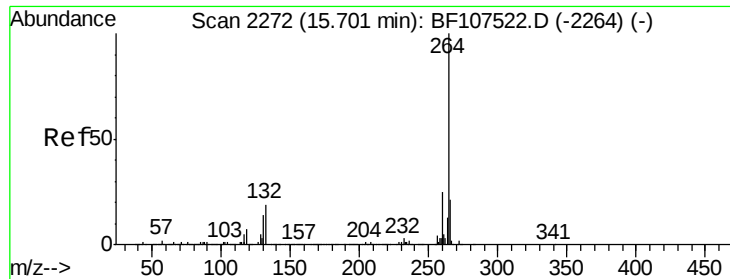
#85
Indeno(1,2,3-cd)pyrene
Concen: 38.822 ng
RT: 17.28 min Scan# 2541
Delta R.T. 0.00 min
Lab File: BF107631.D
Acq: 24 Jul 2018 20:46

Tgt Ion:276 Resp: 789212
Ion Ratio Lower Upper
276 100
138 23.7 25.0 37.6#
277 23.9 20.1 30.1



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

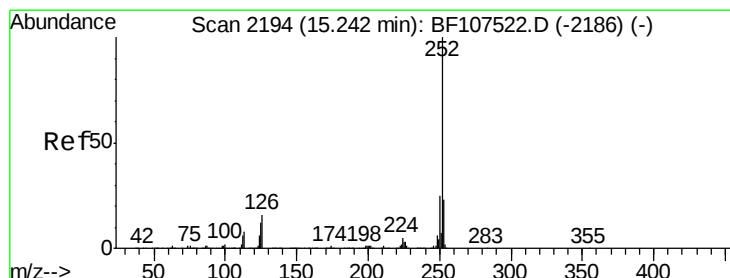
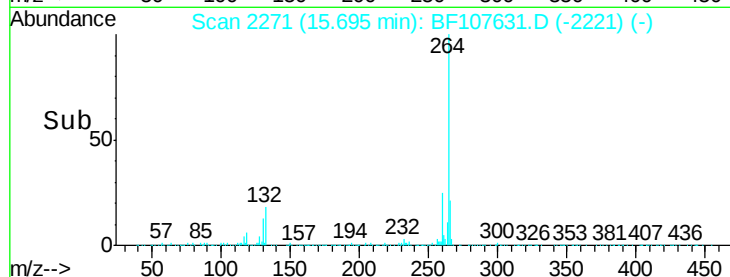
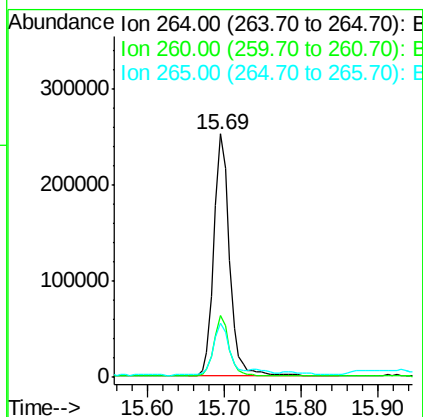
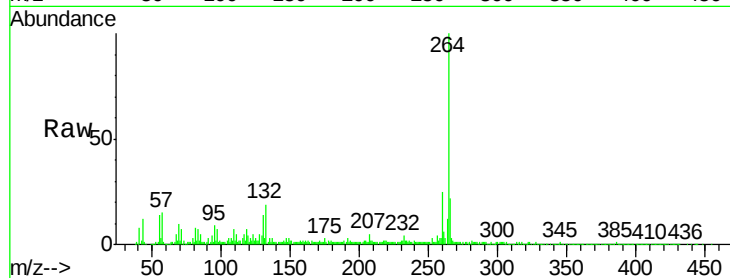




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.69 min Scan# 2271
Delta R.T. -0.01 min
Lab File: BF107631.D
Acq: 24 Jul 2018 20:46

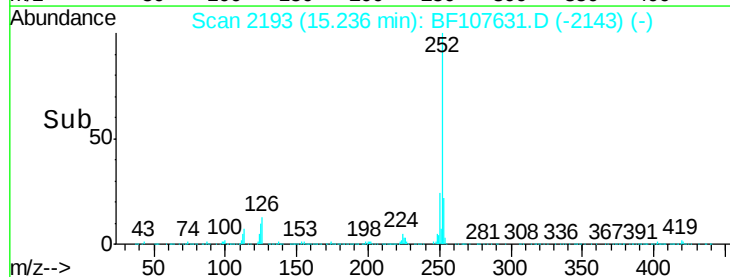
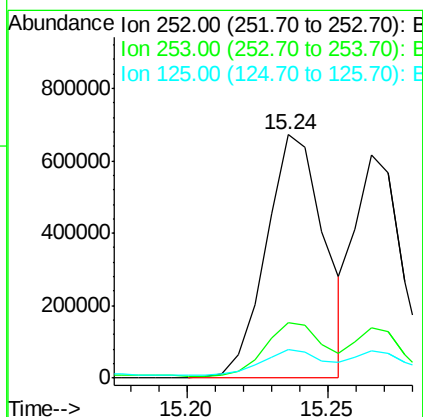
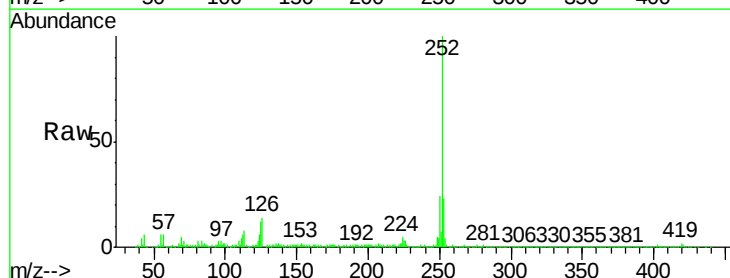
Instrument :
BNA_F
ClientSampleId :
GL-TOPSOIL-03MS

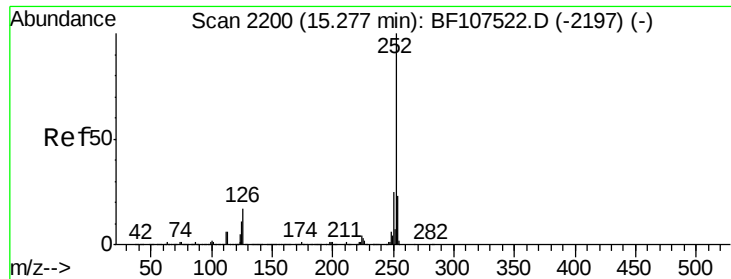
Tgt Ion:264 Resp: 354560
Ion Ratio Lower Upper
264 100
260 25.3 19.2 28.8
265 22.2 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 49.413 ng
RT: 15.24 min Scan# 2193
Delta R.T. -0.01 min
Lab File: BF107631.D
Acq: 24 Jul 2018 20:46

Tgt Ion:252 Resp: 958838
Ion Ratio Lower Upper
252 100
253 22.7 17.0 25.6
125 11.8 9.0 13.6





#88

Benzo(k)fluoranthene

Concen: 38.124 ng

RT: 15.27 min Scan# 2198

Delta R.T. -0.01 min

Lab File: BF107631.D

Acq: 24 Jul 2018 20:46

Instrument :

BNA_F

ClientSampleId :

GL-TOPSOIL-03MS

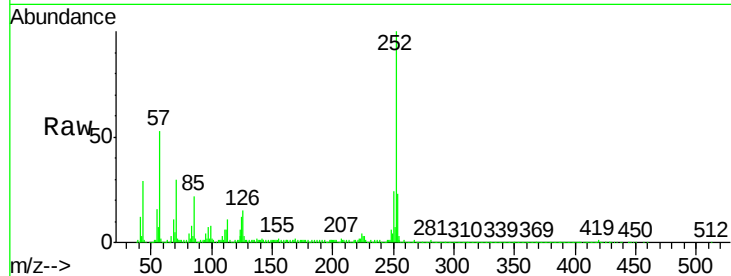
Tgt Ion:252 Resp: 724785

Ion Ratio Lower Upper

252 100

253 22.6 17.9 26.9

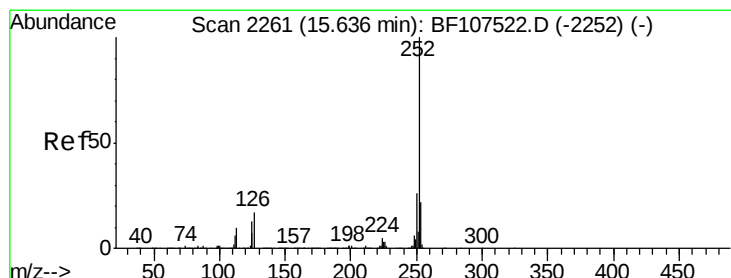
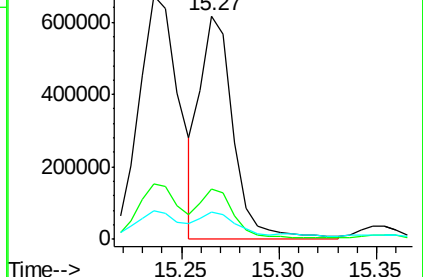
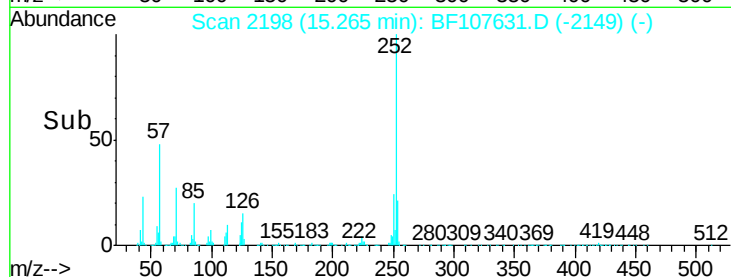
125 12.1 10.2 15.2



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



#89

Benzo(a)pyrene

Concen: 45.930 ng

RT: 15.63 min Scan# 2260

Delta R.T. -0.01 min

Lab File: BF107631.D

Acq: 24 Jul 2018 20:46

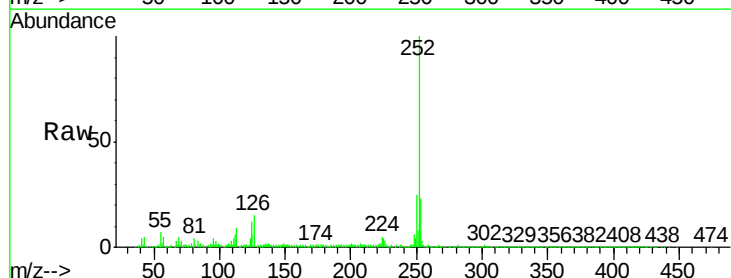
Tgt Ion:252 Resp: 815266

Ion Ratio Lower Upper

252 100

253 22.9 17.1 25.7

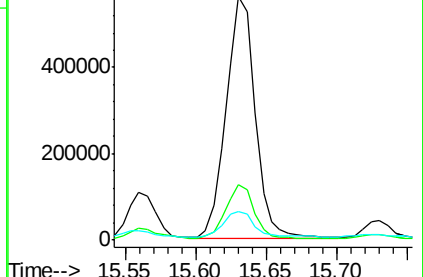
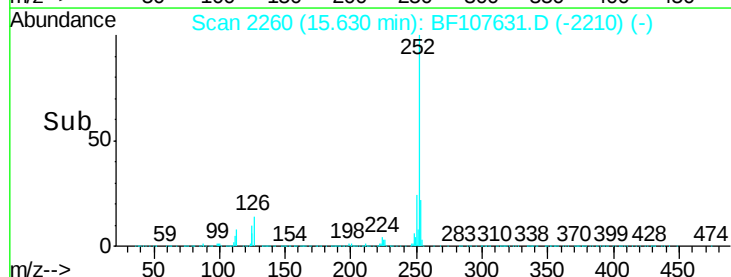
125 11.8 9.8 14.6

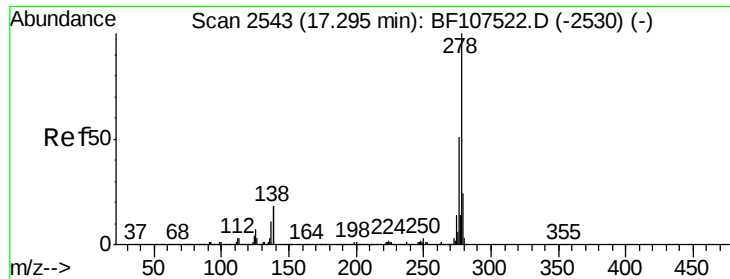


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Dibenzo(a,h)anthracene

Concen: 38.084 ng

RT: 17.29 min Scan# 2543

Delta R.T. 0.00 min

Lab File: BF107631.D

Acq: 24 Jul 2018 20:46

Instrument :

BNA_F

ClientSampleId :

GL-TOPSOIL-03MS

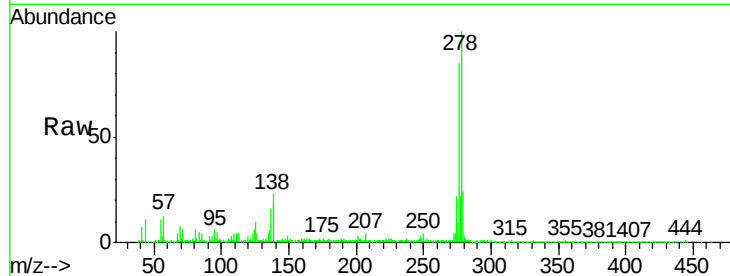
Tgt Ion:278 Resp: 584352

Ion Ratio Lower Upper

278 100

139 17.2 15.9 23.9

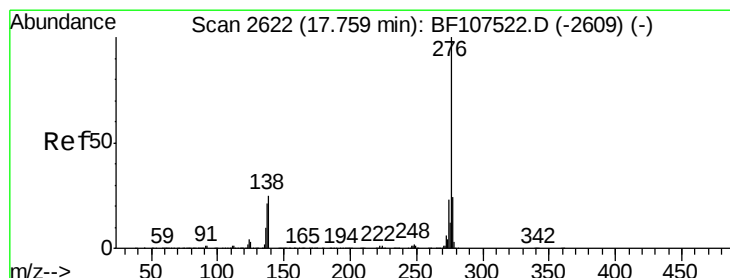
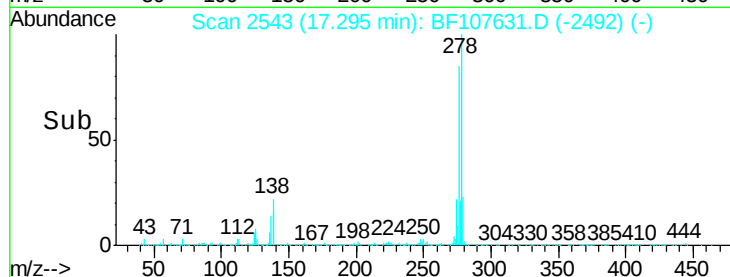
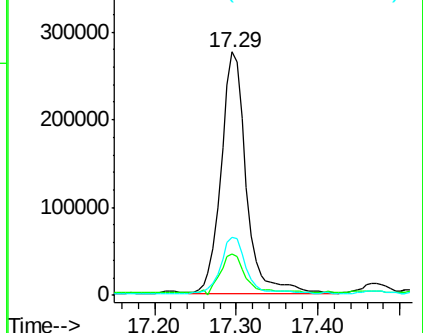
279 23.9 19.0 28.4



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



#91

Benzo(g,h,i)perylene

Concen: 42.786 ng

RT: 17.77 min Scan# 2624

Delta R.T. 0.01 min

Lab File: BF107631.D

Acq: 24 Jul 2018 20:46

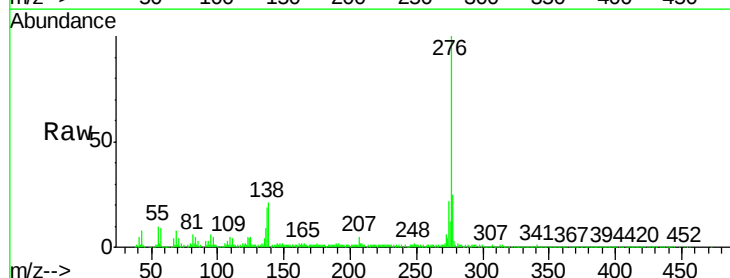
Tgt Ion:276 Resp: 647561

Ion Ratio Lower Upper

276 100

277 24.6 17.9 26.9

138 21.1 21.8 32.8#



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

