

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072418\
 Data File : BF107632.D
 Acq On : 24 Jul 2018 21:13
 Operator : JU/SJ
 Sample : J4098-05MSD
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GL-TOPSOIL-03MSD

Quant Time: Jul 25 01:04:55 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	243662	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	899860	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	359247	20.00	ng	0.00
63) Phenanthrene-d10	11.51	188	609118	20.00	ng	0.00
75) Chrysene-d12	14.16	240	415467	20.00	ng	0.00
86) Perylene-d12	15.69	264	353753	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.61	112	1638744	108.13	ng	0.00
7) Phenol-d6	6.62	99	1876993	103.15	ng	0.00
23) Nitrobenzene-d5	7.54	82	1192526	89.44	ng	0.00
41) 2,4,6-Tribromophenol	10.81	330	430326	105.34	ng	0.00
44) 2-Fluorobiphenyl	9.33	172	1818620	87.36	ng	0.00
78) Terphenyl-d14	13.09	244	1459909	89.96	ng	-0.01

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.88	88	190525	27.010	ng	87
3) Pyridine	3.67	79	510977	26.628	ng	86
4) n-Nitrosodimethylamine	3.62	42	254794	31.482	ng	92
6) Aniline	6.65	93	461863	19.679	ng	# 74
8) 2-Chlorophenol	6.77	128	576631	35.515	ng	98
9) Benzaldehyde	6.52	77	199894	14.880	ng	96
10) Phenol	6.63	94	669599	31.288	ng	89
11) bis(2-Chloroethyl)ether	6.71	93	569719	32.110	ng	93
12) 1,3-Dichlorobenzene	6.91	146	604104	32.816	ng	99
13) 1,4-Dichlorobenzene	6.99	146	645962	34.237	ng	99
14) 1,2-Dichlorobenzene	7.14	146	572792	33.829	ng	99
15) Benzyl Alcohol	7.11	79	459962	37.088	ng	96
16) 2,2'-oxybis(1-Chloropropan	7.24	45	915410	30.582	ng	70
17) 2-Methylphenol	7.23	107	467328	33.865	ng	# 87
18) Hexachloroethane	7.48	117	167896	25.371	ng	100
19) n-Nitroso-di-n-propylamine	7.38	70	383185	32.596	ng	94
20) 3+4-Methylphenols	7.38	107	591433	36.093	ng	# 59
22) Acetophenone	7.38	105	817201	38.669	ng	# 89
24) Nitrobenzene	7.56	77	570884	37.381	ng	95
25) Isophorone	7.79	82	1051917	36.949	ng	98
26) 2-Nitrophenol	7.87	139	275045	42.648	ng	97
27) 2,4-Dimethylphenol	7.91	122	507557	41.577	ng	100
28) bis(2-Chloroethoxy)methane	8.00	93	688909	36.209	ng	98
29) 2,4-Dichlorophenol	8.12	162	469920	37.661	ng	97
30) 1,2,4-Trichlorobenzene	8.20	180	485490	34.643	ng	98
31) Naphthalene	8.28	128	1574827	39.798	ng	99
32) Benzoic acid	7.91	122	507557	57.653	ng	# 14
33) 4-Chloroaniline	8.33	127	352589	20.386	ng	97
34) Hexachlorobutadiene	8.38	225	283409	34.033	ng	99
35) Caprolactam	8.70	113	130859	32.244	ng	# 74
36) 4-Chloro-3-methylphenol	8.81	107	474084	34.204	ng	99
37) 2-Methylnaphthalene	8.97	142	1009817	36.827	ng	97
39) 1,2,4,5-Tetrachlorobenzene	9.13	216	469744	39.203	ng	# 98
40) Hexachlorocyclopentadiene	9.11	237	59747	9.809	ng	96

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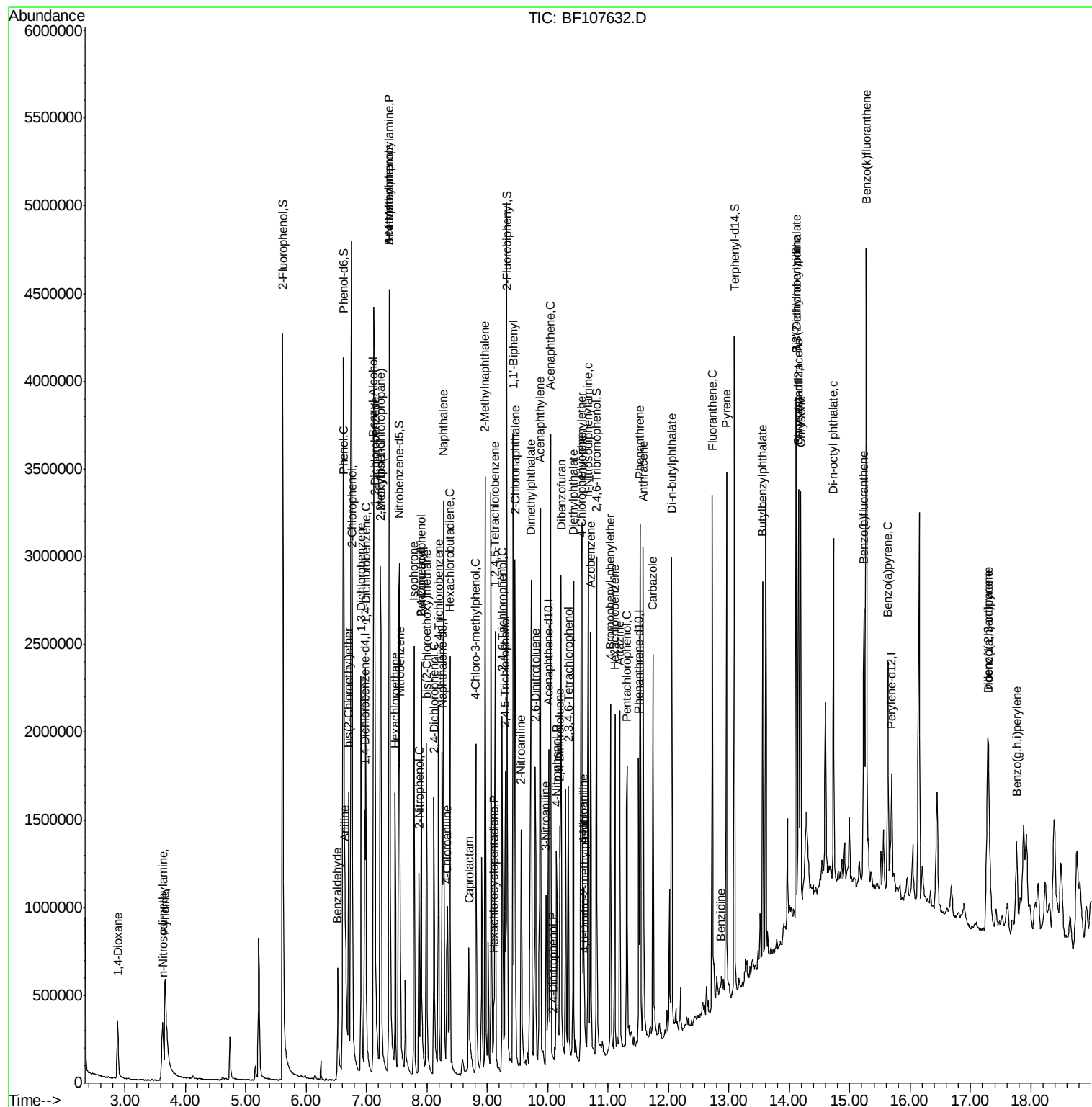
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.25	196	297423	38.779	ng	98
43) 2,4,5-Trichlorophenol	9.30	196	315709	39.385	ng	95
45) 1,1'-Biphenyl	9.43	154	1193191	38.128	ng	99
46) 2-Chloronaphthalene	9.46	162	876458	36.640	ng	99
47) 2-Nitroaniline	9.56	65	327611	46.978	ng	88
48) Acenaphthylene	9.88	152	1407086	39.158	ng	99
49) Dimethylphthalate	9.72	163	1290450	47.662	ng	98
50) 2,6-Dinitrotoluene	9.80	165	207249	38.554	ng	93
51) Acenaphthene	10.05	154	794122	35.272	ng	100
52) 3-Nitroaniline	9.98	138	237790	36.362	ng	95
53) 2,4-Dinitrophenol	10.10	184	2777	9.786	ng #	35
54) Dibenzofuran	10.22	168	1189781	35.896	ng	98
55) 4-Nitrophenol	10.15	139	285576	58.326	ng	98
56) 2,4-Dinitrotoluene	10.20	165	251937	38.827	ng	95
57) Fluorene	10.57	166	912533	38.590	ng	94
58) 2,3,4,6-Tetrachlorophenol	10.34	232	247664	37.124	ng #	85
59) Diethylphthalate	10.42	149	1029891	36.422	ng	98
60) 4-Chlorophenyl-phenylether	10.55	204	450028	33.664	ng	90
61) 4-Nitroaniline	10.60	138	249809	45.466	ng	96
62) Azobenzene	10.71	77	850095	32.061	ng	93
64) 4,6-Dinitro-2-methylphenol	10.61	198	10003	11.467	ng #	52
65) n-Nitrosodiphenylamine	10.67	169	821108	39.692	ng	99
66) 4-Bromophenyl-phenylether	11.04	248	263871	36.800	ng	90
67) Hexachlorobenzene	11.11	284	276678	35.069	ng #	86
68) Atrazine	11.19	200	228563	36.187	ng	94
69) Pentachlorophenol	11.31	266	226922	46.048	ng	98
70) Phenanthrene	11.53	178	1223563	41.222	ng	99
71) Anthracene	11.58	178	1210977	40.520	ng	99
72) Carbazole	11.74	167	1106295	35.598	ng	99
73) Di-n-butylphthalate	12.05	149	1332399	40.438	ng	100
74) Fluoranthene	12.72	202	1394610	43.785	ng	97
76) Benzidine	12.86	184	35096	2.933	ng #	62
77) Pyrene	12.96	202	1366455	48.083	ng	98
79) Butylbenzylphthalate	13.56	149	506996	41.484	ng	92
80) Benzo(a)anthracene	14.15	228	1020540	41.916	ng	100
81) 3,3'-Dichlorobenzidine	14.11	252	188281	22.506	ng	97
82) Chrysene	14.19	228	991207	42.381	ng	99
83) Bis(2-ethylhexyl)phthalate	14.11	149	683754	39.651	ng	98
84) Di-n-octyl phthalate	14.74	149	1092037	40.741	ng	96
85) Indeno(1,2,3-cd)pyrene	17.28	276	708053	35.721	ng #	91
87) Benzo(b)fluoranthene	15.24	252	886380	45.783	ng	98
88) Benzo(k)fluoranthene	15.27	252	723837	38.161	ng	98
89) Benzo(a)pyrene	15.63	252	769344	43.442	ng	97
90) Dibenzo(a,h)anthracene	17.29	278	571952	37.361	ng	97
91) Benzo(g,h,i)perylene	17.77	276	581167	38.487	ng #	94

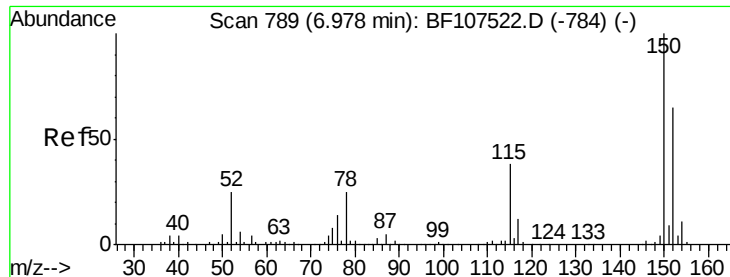
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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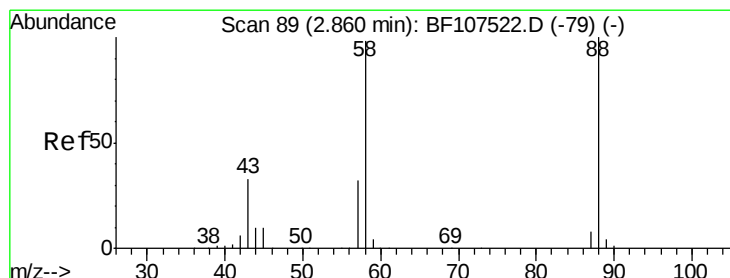
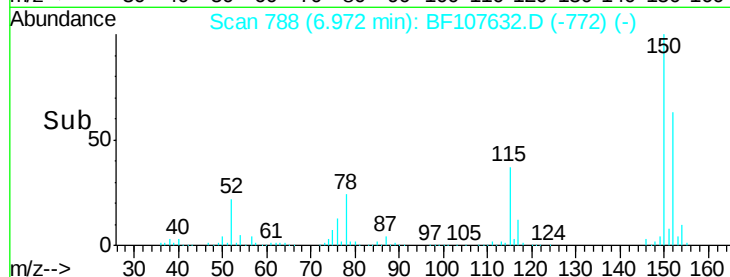
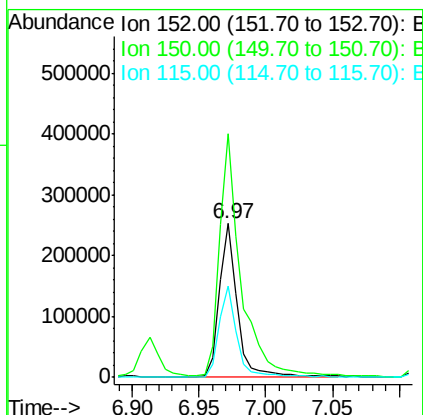
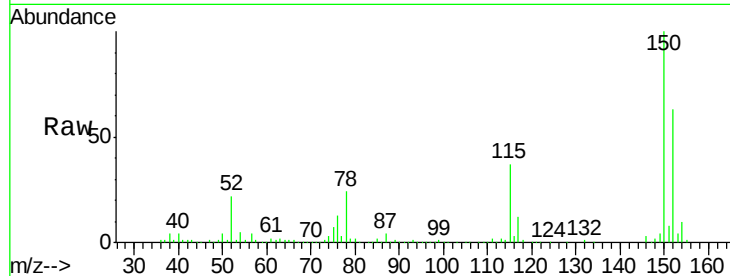


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 788
Delta R.T. -0.01 min
Lab File: BF107632.D
Acq: 24 Jul 2018 21:13

Instrument :
BNA_F
ClientSampleId :
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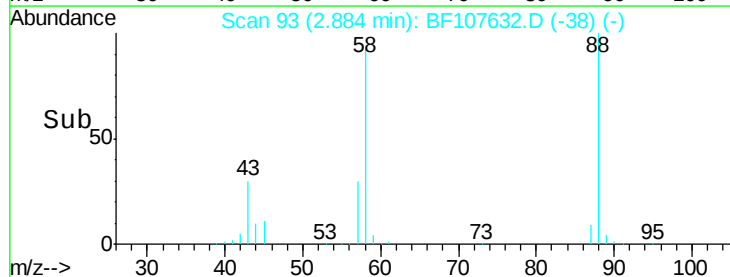
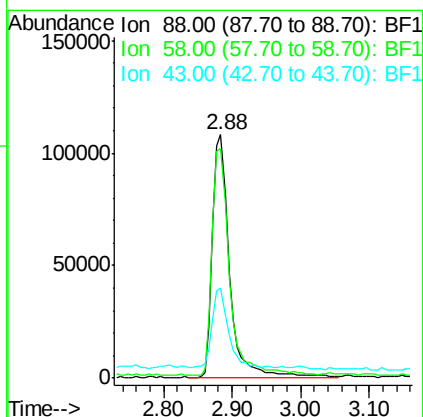
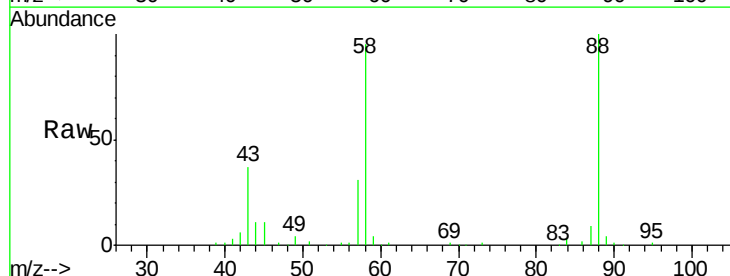
Tgt Ion:152 Resp: 243662
Ion Ratio Lower Upper
152 100
150 158.4 124.6 186.8
115 59.0 50.1 75.1

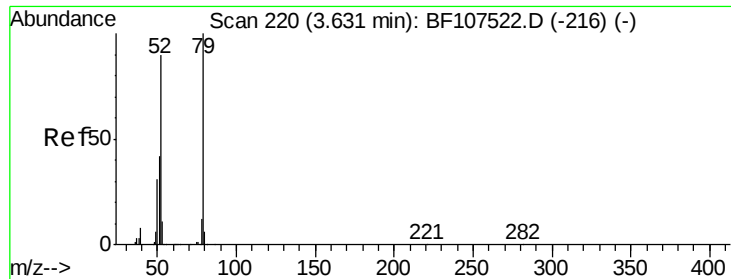


#2

1,4-Dioxane
Concen: 27.010 ng
RT: 2.88 min Scan# 93
Delta R.T. 0.02 min
Lab File: BF107632.D
Acq: 24 Jul 2018 21:13

Tgt Ion: 88 Resp: 190525
Ion Ratio Lower Upper
88 100
58 93.6 62.6 93.8
43 31.4 24.6 37.0





#3

Pyridine

Concen: 26.628 ng

RT: 3.67 min Scan# 226

Delta R.T. 0.04 min

Lab File: BF107632.D

Acq: 24 Jul 2018 21:13

Instrument :

BNA_F

ClientSampleId :

GL-TOPSOIL-03MSD

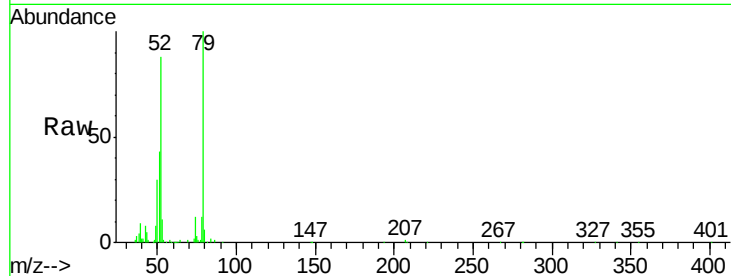
Tgt Ion: 79 Resp: 510977

Ion Ratio Lower Upper

79 100

52 88.5 59.8 89.6

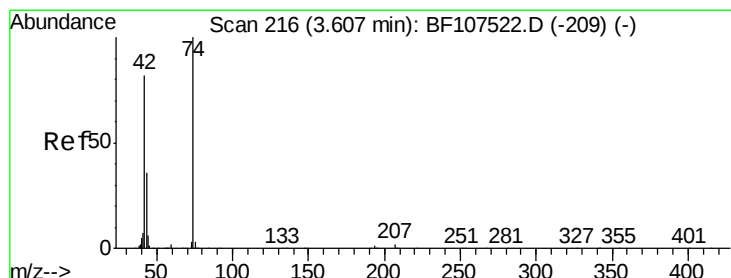
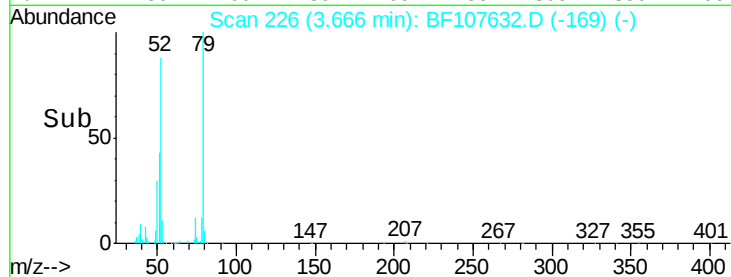
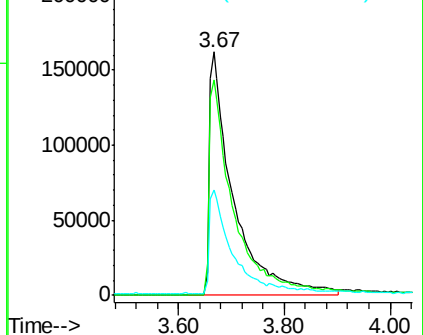
51 43.3 29.8 44.8



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: 31.482 ng

RT: 3.62 min Scan# 219

Delta R.T. 0.02 min

Lab File: BF107632.D

Acq: 24 Jul 2018 21:13

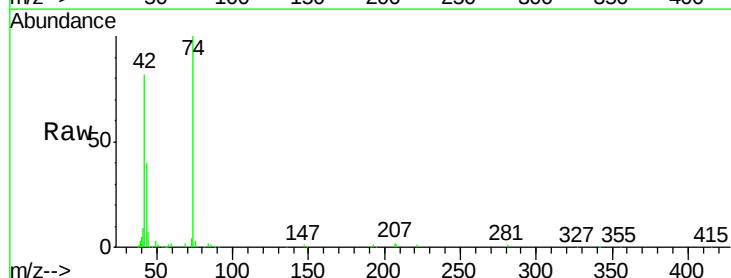
Tgt Ion: 42 Resp: 254794

Ion Ratio Lower Upper

42 100

74 121.4 104.9 157.3

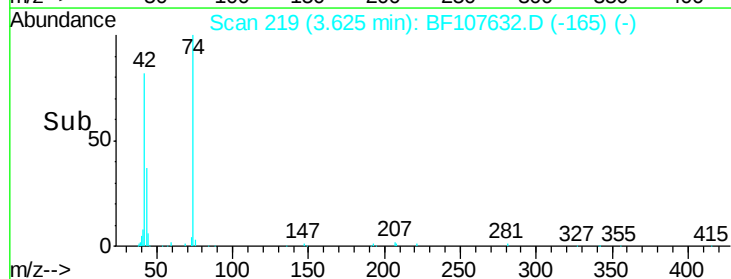
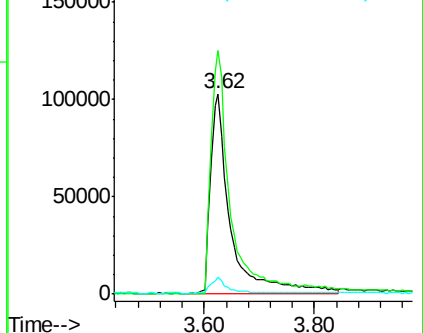
44 8.4 6.9 10.3

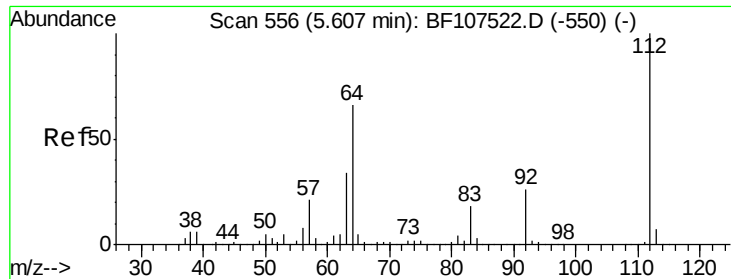


Abundance Ion 42.00 (41.70 to 42.70): BF1

Ion 74.00 (73.70 to 74.70): BF1

Ion 44.00 (43.70 to 44.70): BF1





#5

2-Fluorophenol

Concen: 108.133 ng

RT: 5.61 min Scan# 557

Delta R.T. 0.01 min

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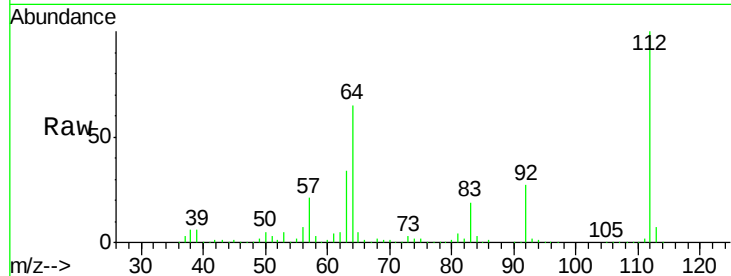
Tgt Ion: 112 Resp: 1638744

Ion Ratio Lower Upper

112 100

64 64.8 47.9 71.9

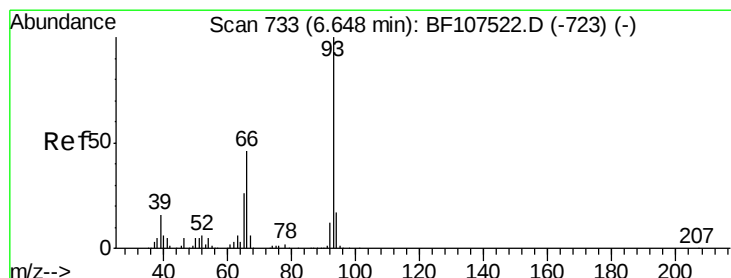
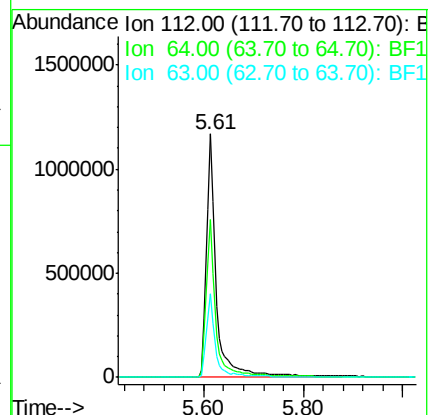
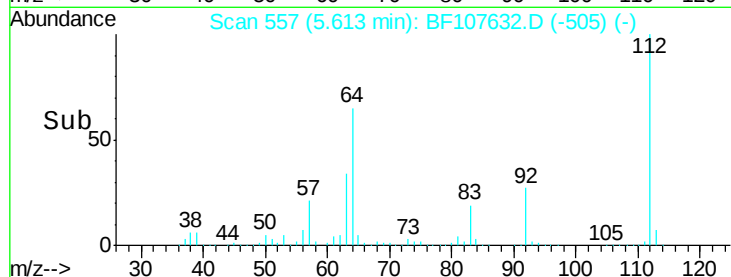
63 34.2 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): BF1

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 19.679 ng

RT: 6.65 min Scan# 733

Delta R.T. -0.00 min

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Acq: 24 Jul 2018 21:13

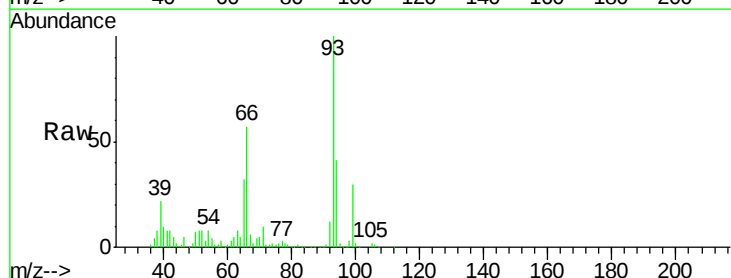
Tgt Ion: 93 Resp: 461863

Ion Ratio Lower Upper

93 100

66 56.9 32.2 48.2#

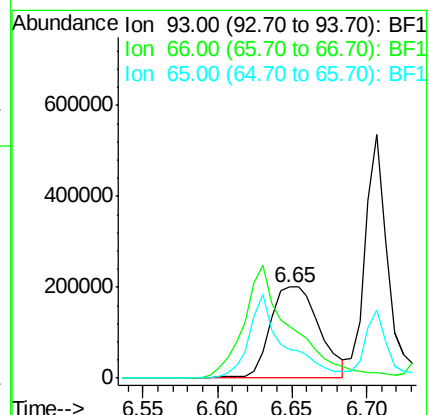
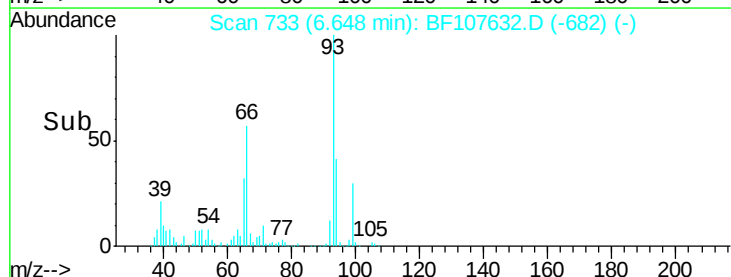
65 31.8 16.4 24.6#

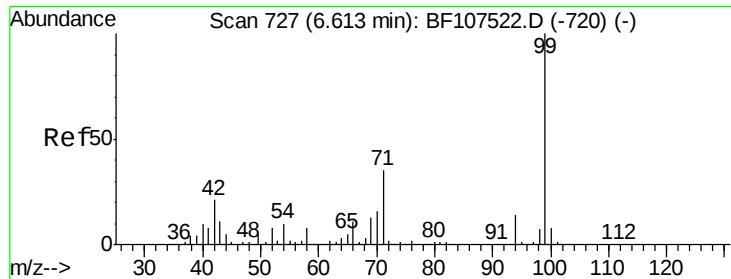


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 103.148 ng

RT: 6.62 min Scan# 728

Delta R.T. 0.01 min

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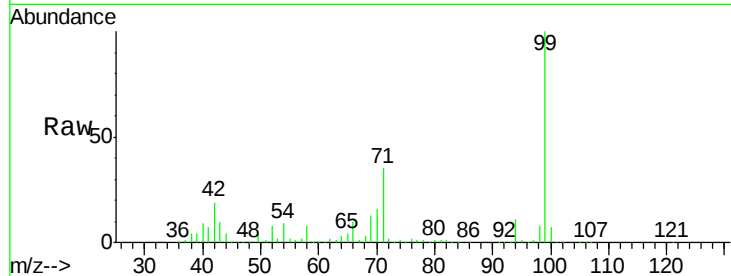
Tgt Ion: 99 Resp: 1876993

Ion Ratio Lower Upper

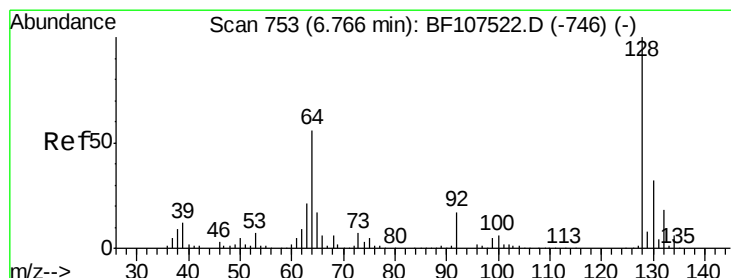
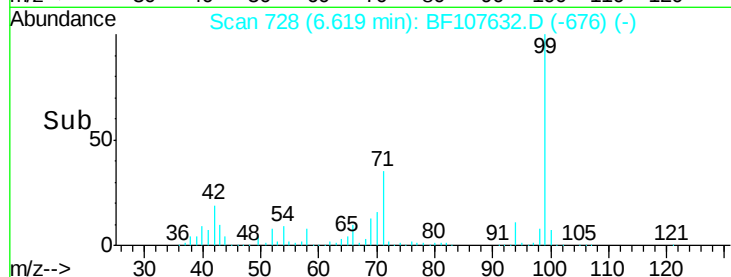
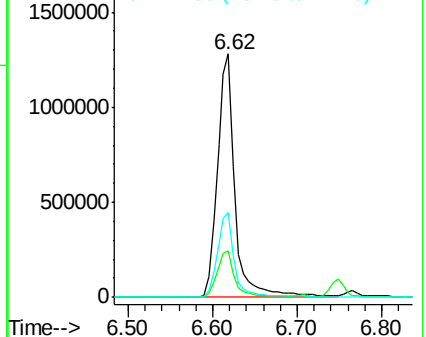
99 100

42 19.0 14.5 21.7

71 34.7 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: 35.515 ng

RT: 6.77 min Scan# 753

Delta R.T. -0.00 min

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Acq: 24 Jul 2018 21:13

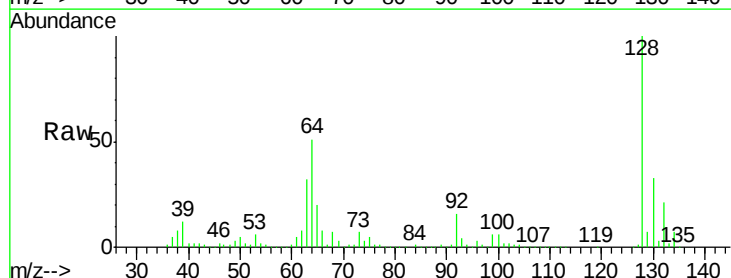
Tgt Ion: 128 Resp: 576631

Ion Ratio Lower Upper

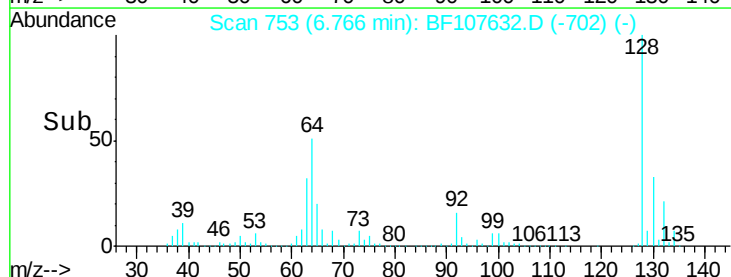
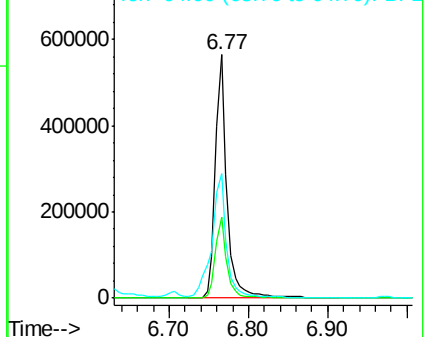
128 100

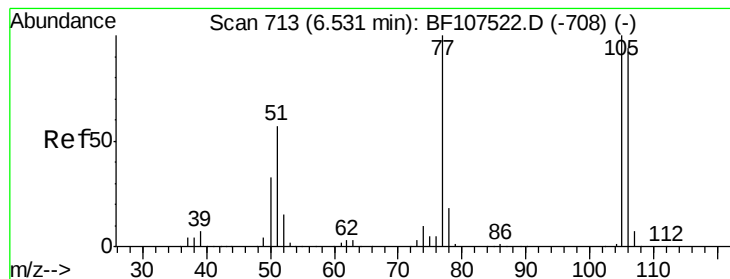
130 33.3 13.0 53.0

64 51.4 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: 14.880 ng

RT: 6.52 min Scan# 712

Delta R.T. -0.01 min

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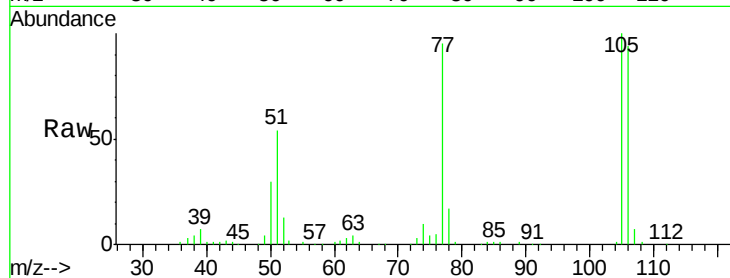
Tgt Ion: 77 Resp: 199894

Ion Ratio Lower Upper

77 100

105 105.3 81.1 121.1

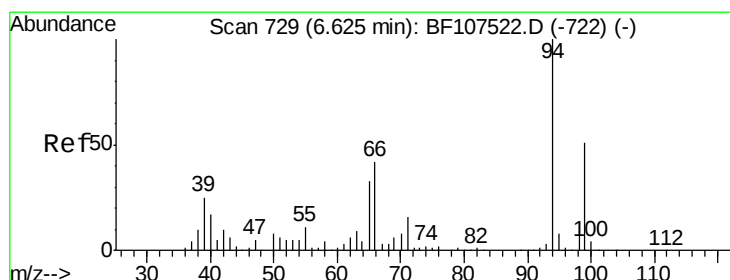
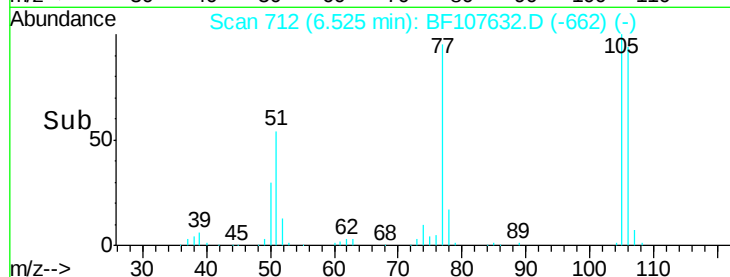
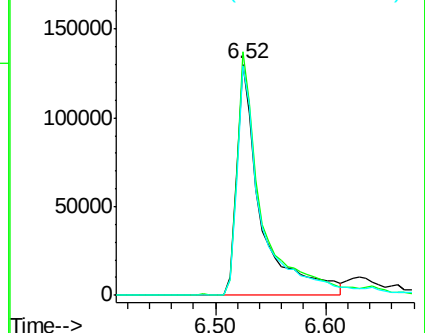
106 99.1 74.5 114.5



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: 31.288 ng

RT: 6.63 min Scan# 730

Delta R.T. 0.01 min

Lab File: BF107632.D

Acq: 24 Jul 2018 21:13

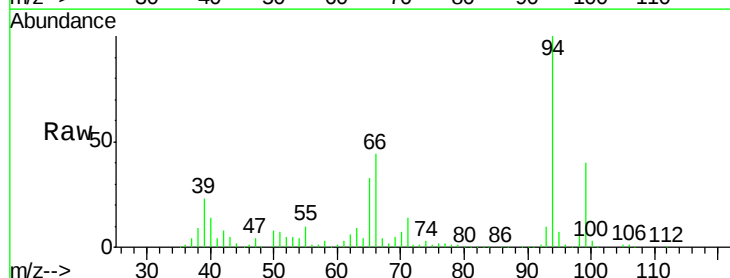
Tgt Ion: 94 Resp: 669599

Ion Ratio Lower Upper

94 100

65 32.7 7.9 47.9

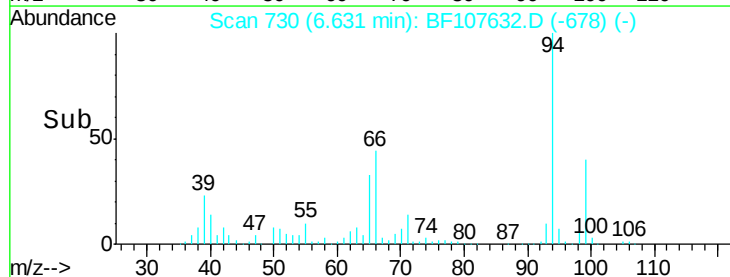
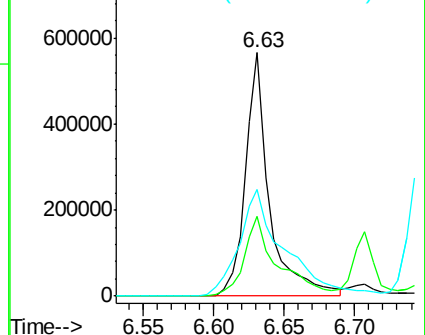
66 43.9 16.2 56.2

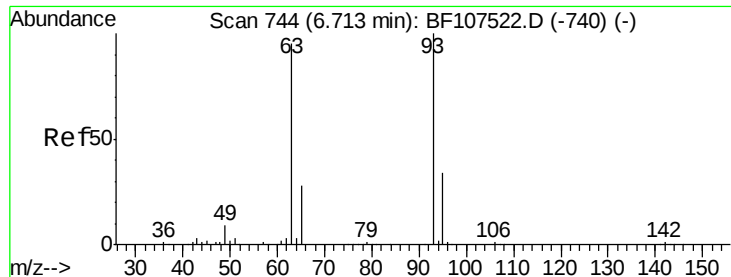


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





#11

bis(2-Chloroethyl)ether

Concen: 32.110 ng

RT: 6.71 min Scan# 743

Delta R.T. -0.01 min

Lab File: BF107632.D

Acq: 24 Jul 2018 21:13

Instrument :

BNA_F

ClientSampleId :

GL-TOPSOIL-03MSD

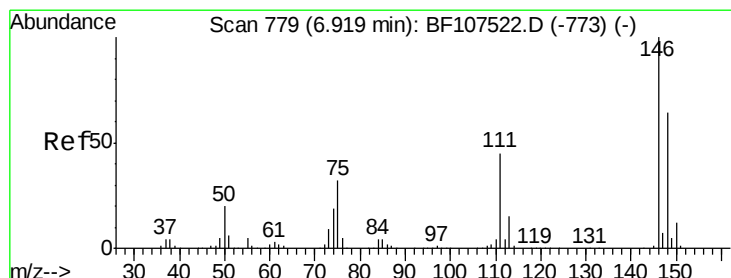
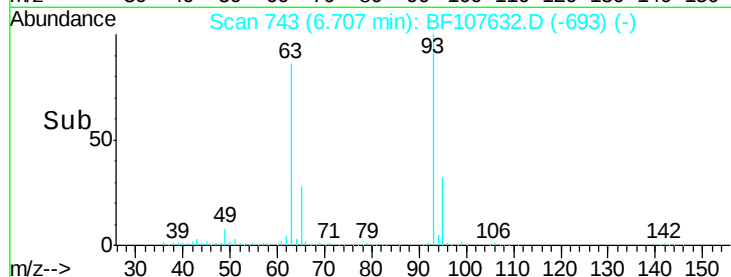
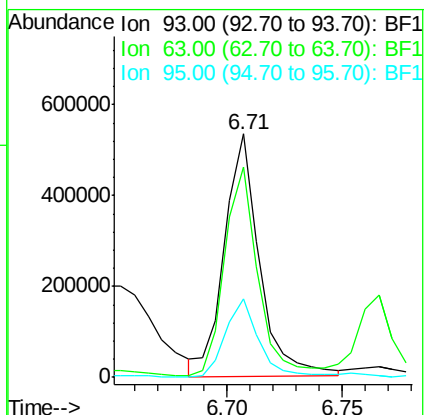
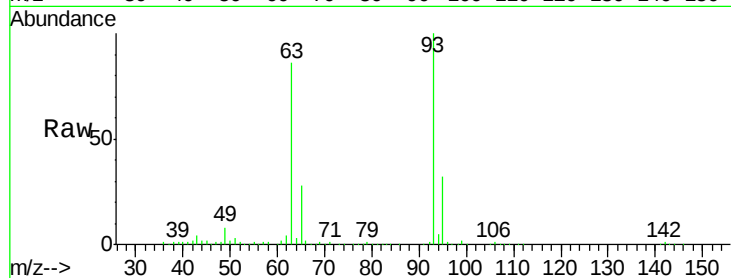
Tgt Ion: 93 Resp: 569719

Ion Ratio Lower Upper

93 100

63 86.3 58.6 98.6

95 32.4 11.8 51.8



#12

1,3-Dichlorobenzene

Concen: 32.816 ng

RT: 6.91 min Scan# 778

Delta R.T. -0.01 min

Lab File: BF107632.D

Acq: 24 Jul 2018 21:13

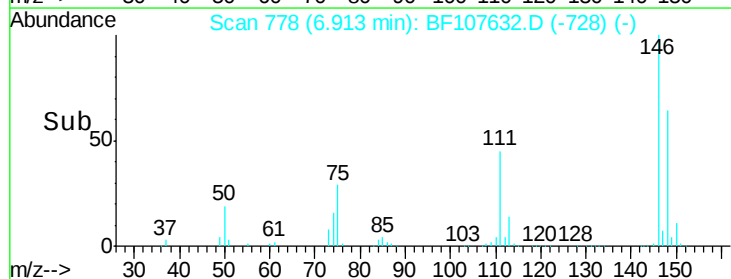
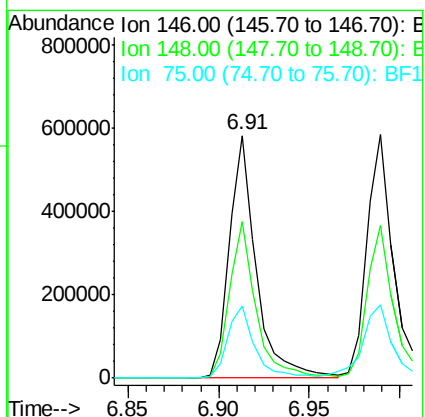
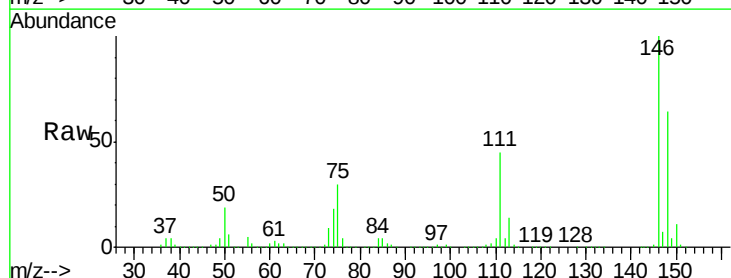
Tgt Ion: 146 Resp: 604104

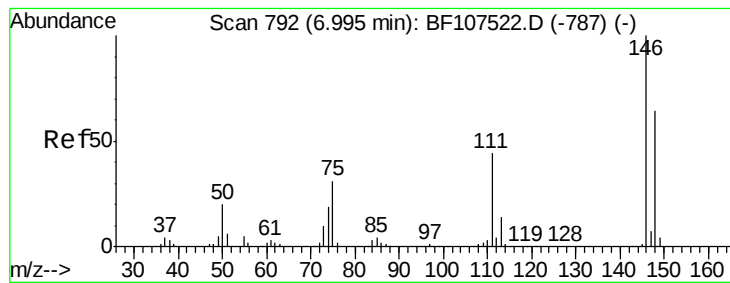
Ion Ratio Lower Upper

146 100

148 64.2 51.8 77.8

75 29.7 24.2 36.4





#13

1,4-Dichlorobenzene

Concen: 34.237 ng

RT: 6.99 min Scan# 791

Delta R.T. -0.01 min

Lab File: BF107632.D

Acq: 24 Jul 2018 21:13

Instrument :

BNA_F

ClientSampleId :

GL-TOPSOIL-03MSD

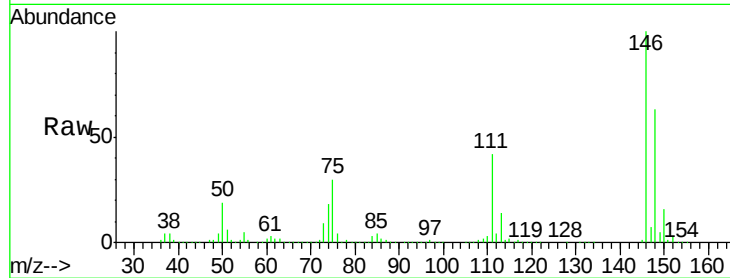
Tgt Ion:146 Resp: 645962

Ion Ratio Lower Upper

146 100

148 62.6 50.8 76.2

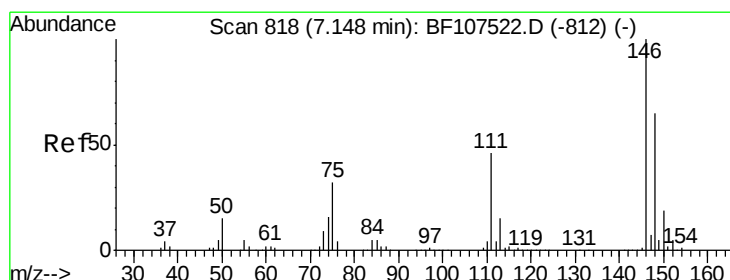
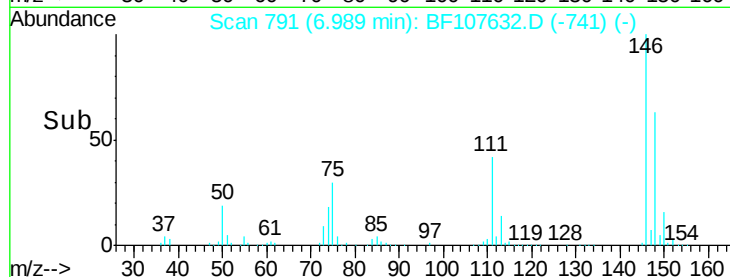
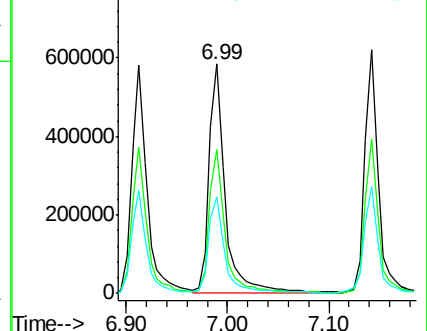
111 42.0 34.2 51.2



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 33.829 ng

RT: 7.14 min Scan# 817

Delta R.T. -0.01 min

Lab File: BF107632.D

Acq: 24 Jul 2018 21:13

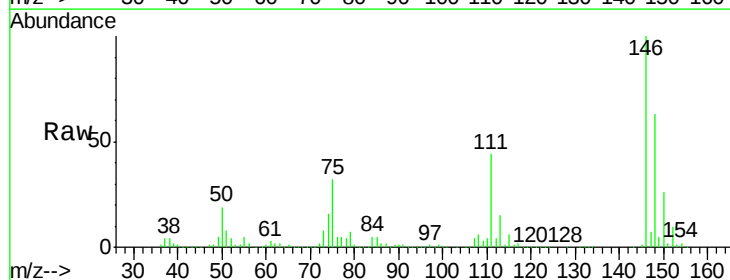
Tgt Ion:146 Resp: 572792

Ion Ratio Lower Upper

146 100

148 63.1 50.6 75.8

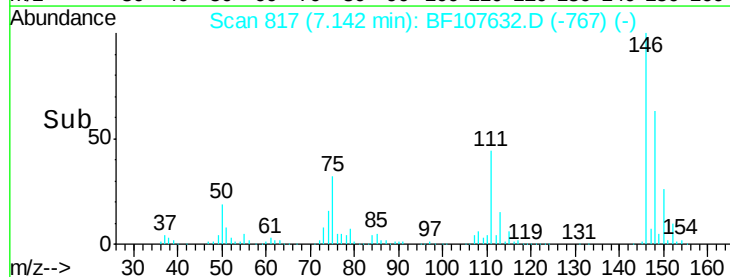
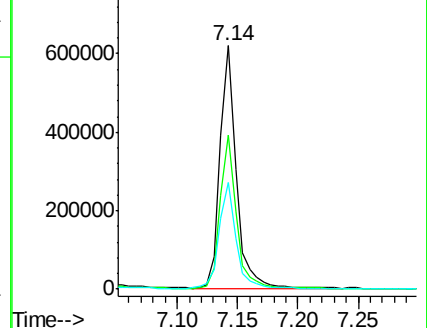
111 44.0 36.0 54.0

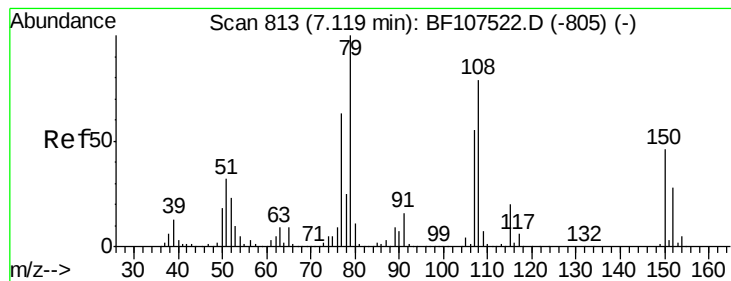


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 37.088 ng

RT: 7.11 min Scan# 812

Delta R.T. -0.01 min

Lab File: BF107632.D

Acq: 24 Jul 2018 21:13

Instrument :

BNA_F

ClientSampleId :

GL-TOPSOIL-03MSD

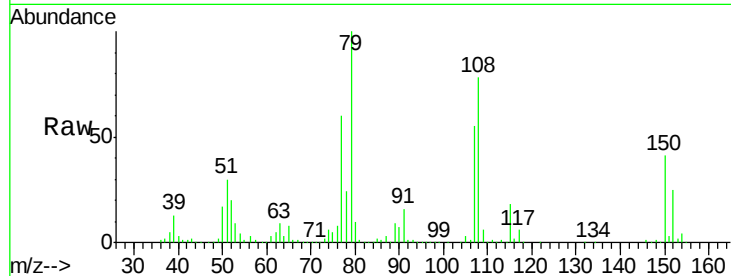
Tgt Ion: 79 Resp: 459962

Ion Ratio Lower Upper

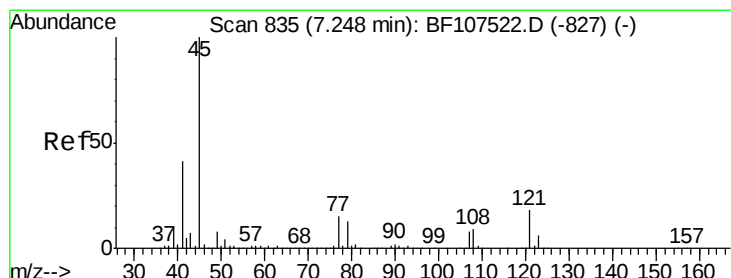
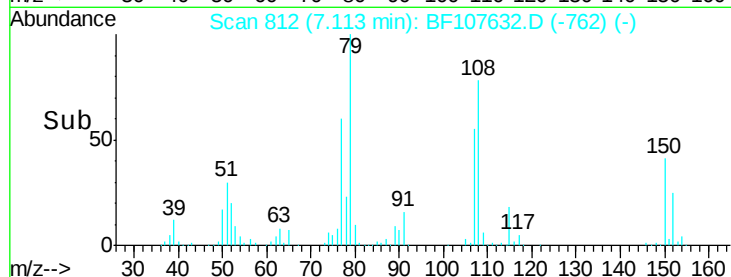
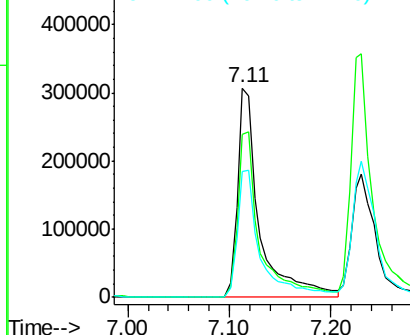
79 100

108 77.9 65.1 97.7

77 60.0 50.6 75.8



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



#16

2,2'-oxybis(1-Chloropropane)

Concen: 30.582 ng

RT: 7.24 min Scan# 833

Delta R.T. -0.01 min

Lab File: BF107632.D

Acq: 24 Jul 2018 21:13

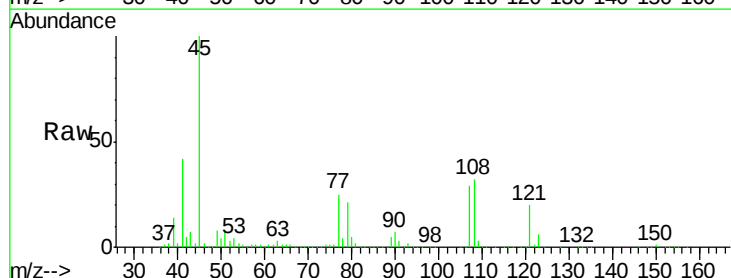
Tgt Ion: 45 Resp: 915410

Ion Ratio Lower Upper

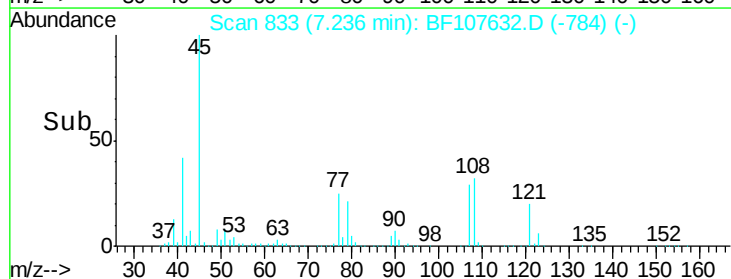
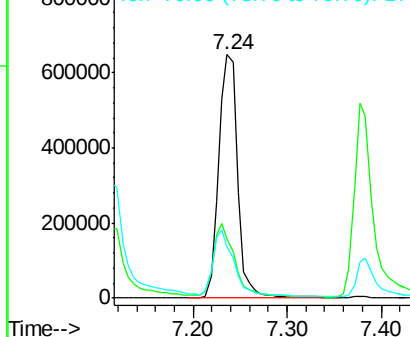
45 100

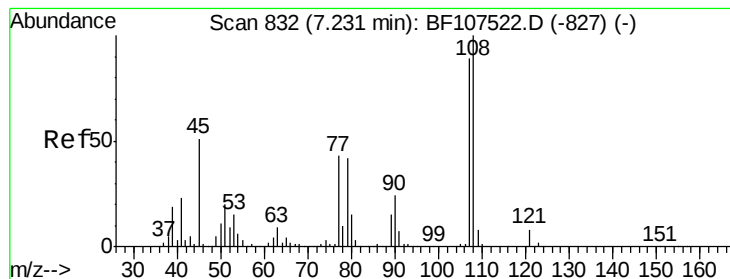
77 24.6 0.0 32.9

79 21.2 0.0 29.6



Abundance Ion 45.00 (44.70 to 45.70): BF1
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1





#17

2-Methylphenol

Concen: 33.865 ng

RT: 7.23 min Scan# 832

Delta R.T. -0.00 min

Lab File: BF107632.D

Acq: 24 Jul 2018 21:13

Instrument :

BNA_F

ClientSampleId :

GL-TOPSOIL-03MSD

Tgt Ion:107 Resp: 467328

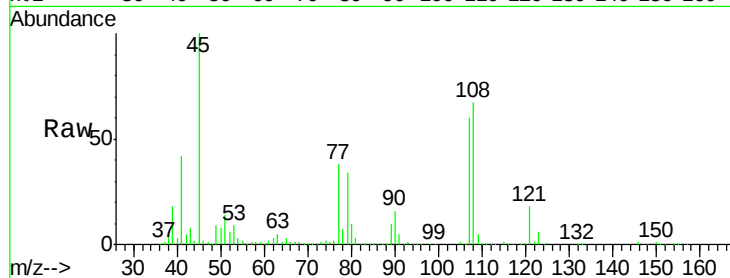
Ion Ratio Lower Upper

107 100

108 112.5 91.7 137.5

77 63.1 33.8 50.8#

79 57.0 33.8 50.8#

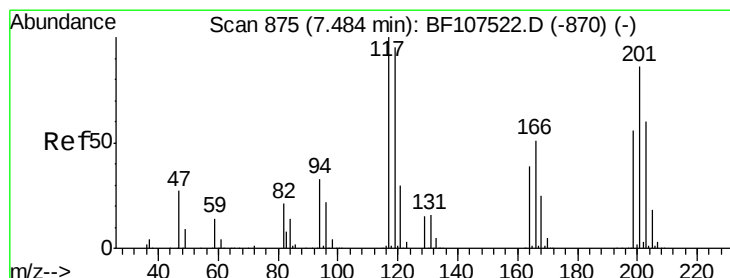
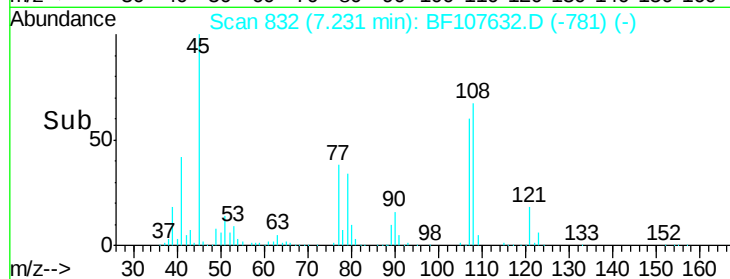
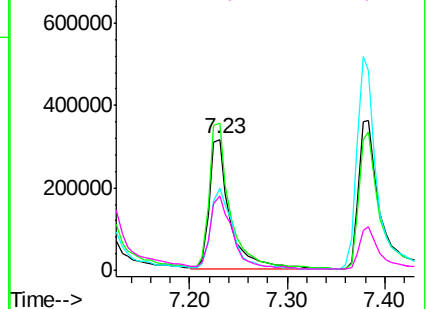


Abundance Ion 107.00 (106.70 to 107.70): E

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



#18

Hexachloroethane

Concen: 25.371 ng

RT: 7.48 min Scan# 874

Delta R.T. -0.01 min

Lab File: BF107632.D

Acq: 24 Jul 2018 21:13

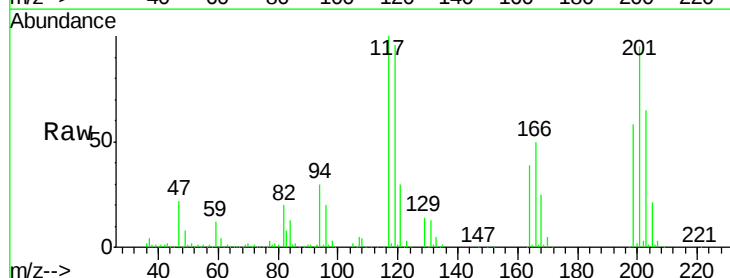
Tgt Ion:117 Resp: 167896

Ion Ratio Lower Upper

117 100

119 95.7 75.8 113.8

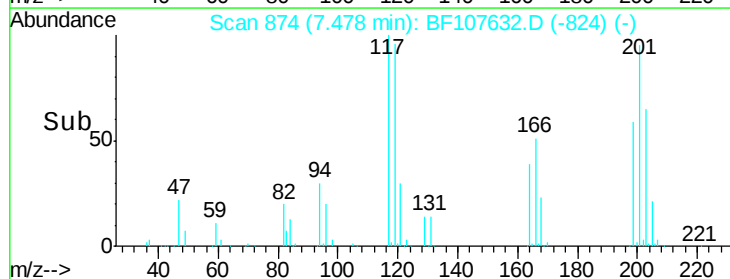
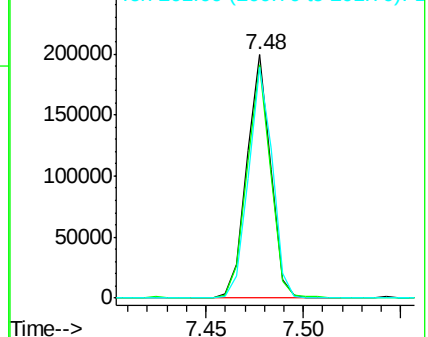
201 94.7 75.7 113.5

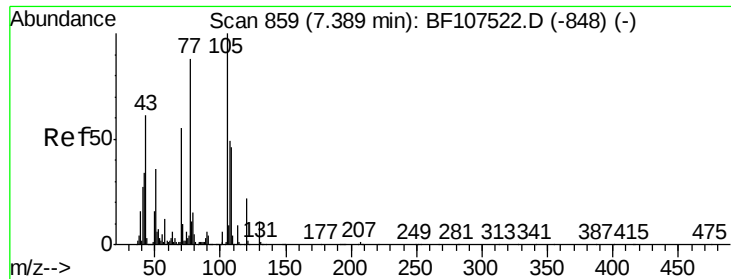


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

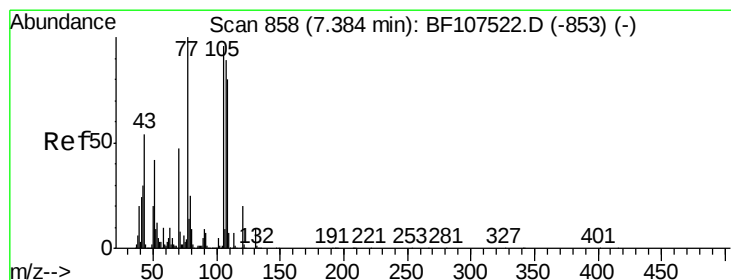
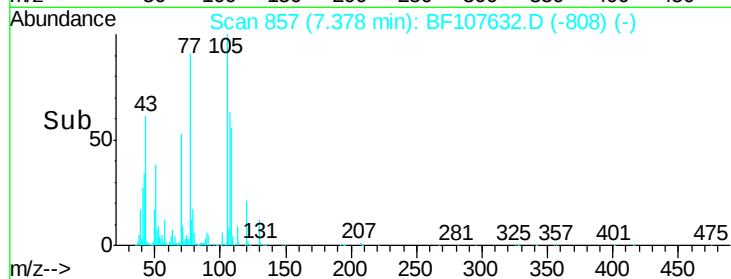
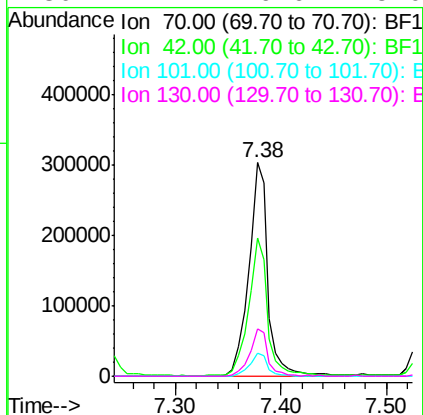
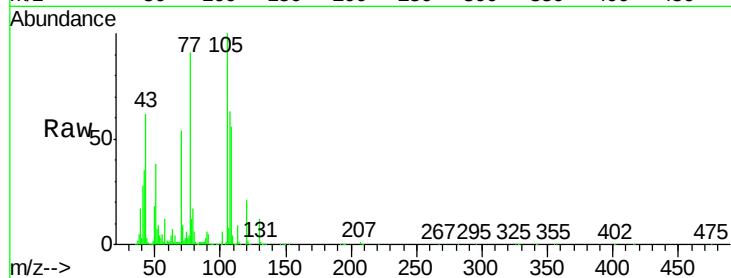




#19
n-Nitroso-di-n-propylamine
Concen: 32.596 ng
RT: 7.38 min Scan# 857
Delta R.T. -0.01 min
Lab File: BF107632.D
Acq: 24 Jul 2018 21:13

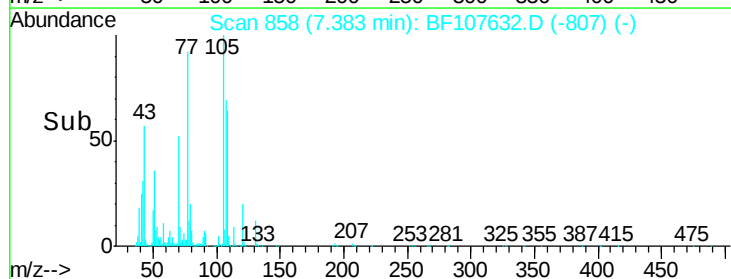
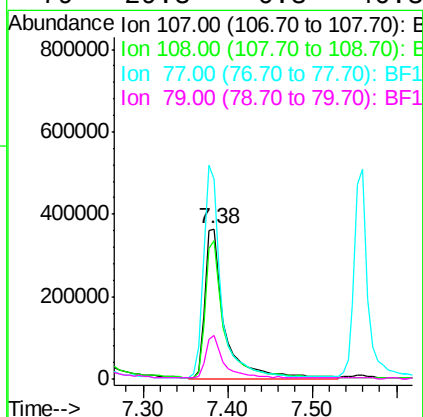
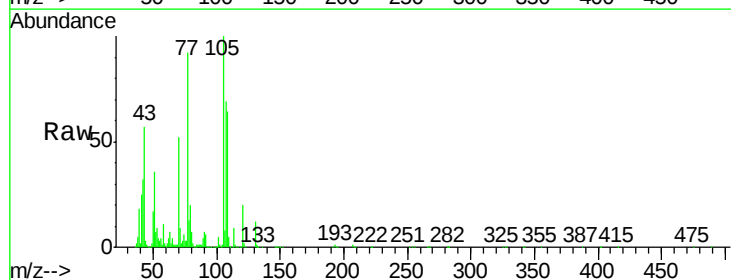
Instrument :
BNA_F
ClientSampleId :
GL-TOPSOIL-03MSD

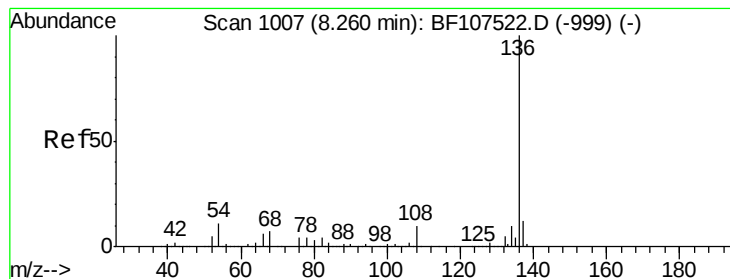
Tgt Ion: 70 Resp: 383185
Ion Ratio Lower Upper
70 100
42 64.6 47.5 71.3
101 10.5 7.4 11.2
130 22.1 16.6 25.0



#20
3+4-Methylphenols
Concen: 36.093 ng
RT: 7.38 min Scan# 858
Delta R.T. -0.00 min
Lab File: BF107632.D
Acq: 24 Jul 2018 21:13

Tgt Ion: 107 Resp: 591433
Ion Ratio Lower Upper
107 100
108 91.7 68.2 108.2
77 133.3 26.7 66.7#
79 29.3 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: BF107632.D

Acq: 24 Jul 2018 21:13

Instrument :

BNA_F

ClientSampleId :

GL-TOPSOIL-03MSD

Tgt Ion:136 Resp: 899860

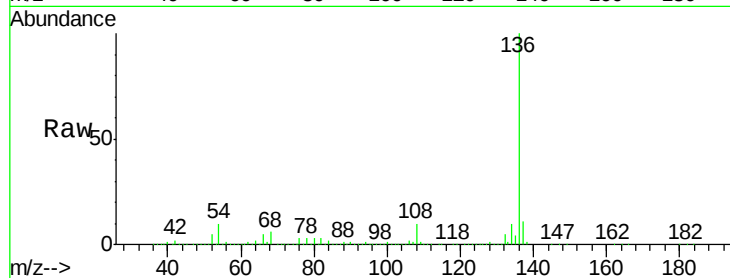
Ion Ratio Lower Upper

136 100

137 11.5 8.9 13.3

54 9.7 6.6 9.8

68 5.7 5.0 7.4

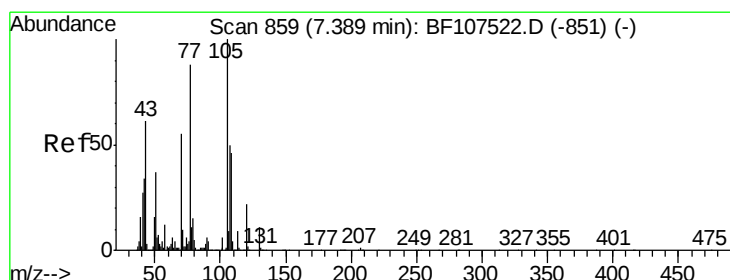
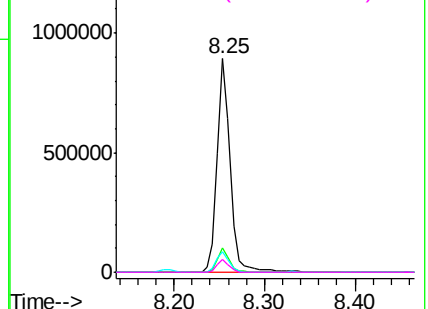
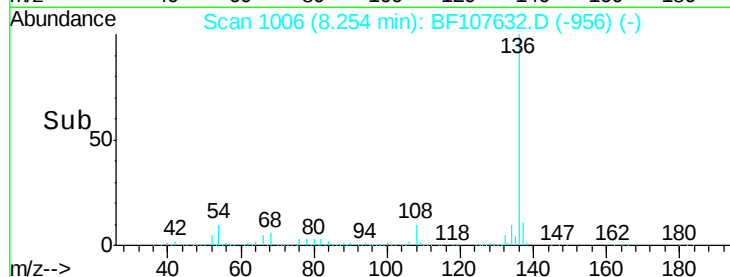


Abundance Ion 136.00 (135.70 to 136.70): E

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: 38.669 ng

RT: 7.38 min Scan# 857

Delta R.T. -0.01 min

Lab File: BF107632.D

Acq: 24 Jul 2018 21:13

Tgt Ion:105 Resp: 817201

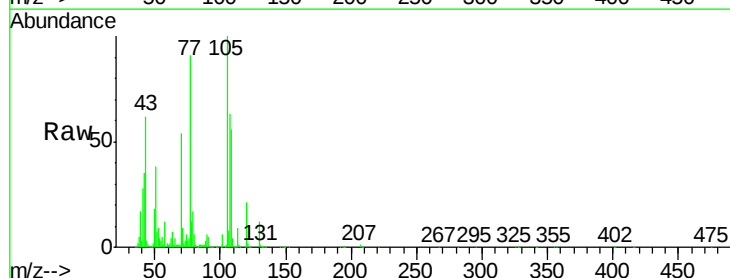
Ion Ratio Lower Upper

105 100

71 9.3 4.4 6.6#

51 38.1 22.3 33.5#

120 21.1 16.9 25.3

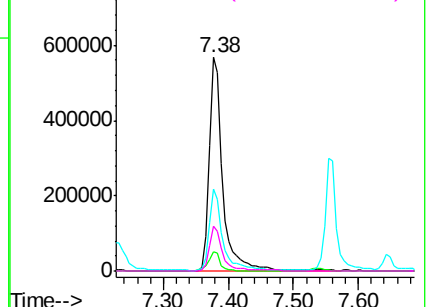
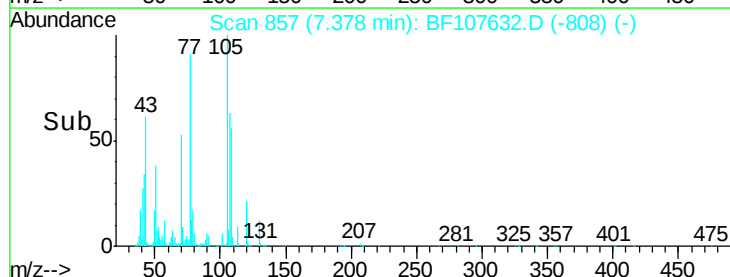


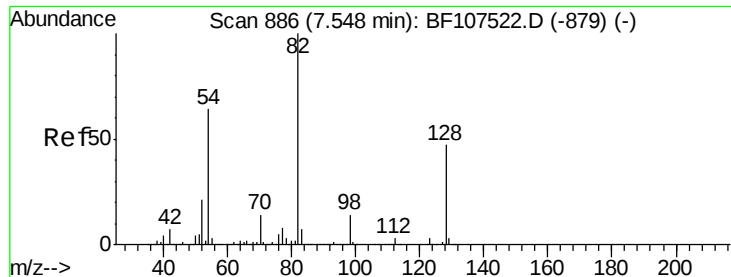
Abundance Ion 105.00 (104.70 to 105.70): E

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

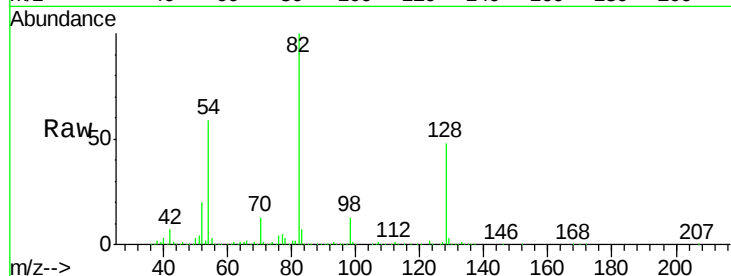




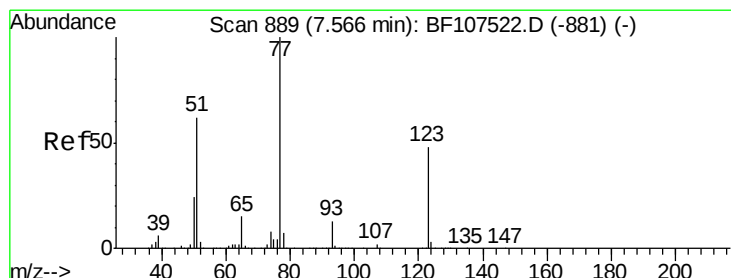
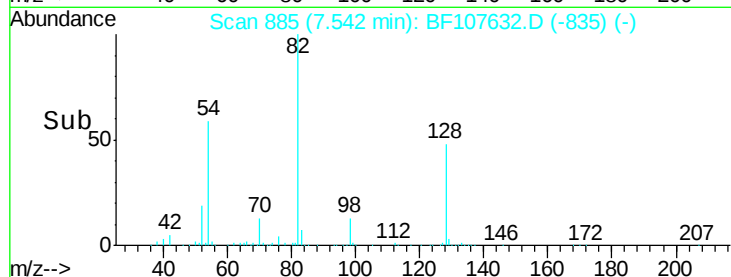
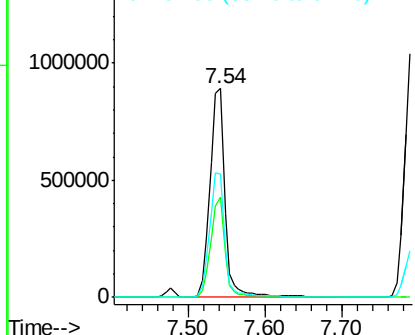
#23
Nitrobenzene-d5
Concen: 89.437 ng
RT: 7.54 min Scan# 885
Delta R.T. -0.01 min
Lab File: BF107632.D
Acq: 24 Jul 2018 21:13

Instrument :
BNA_F
ClientSampleId :
GL-TOPSOIL-03MSD

Tgt Ion: 82 Resp: 1192526
Ion Ratio Lower Upper
82 100
128 48.2 36.1 54.1
54 59.0 41.4 62.2

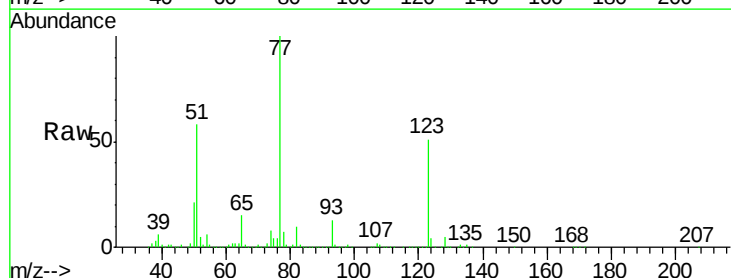


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

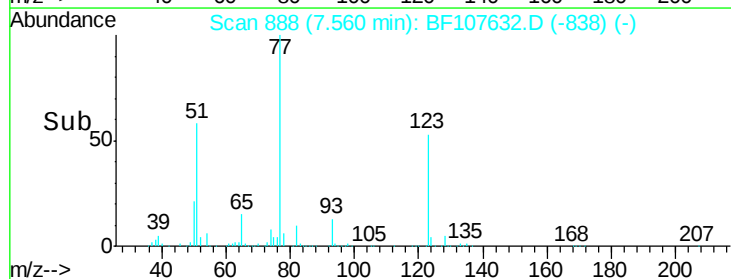
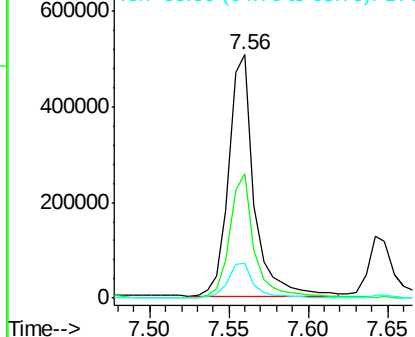


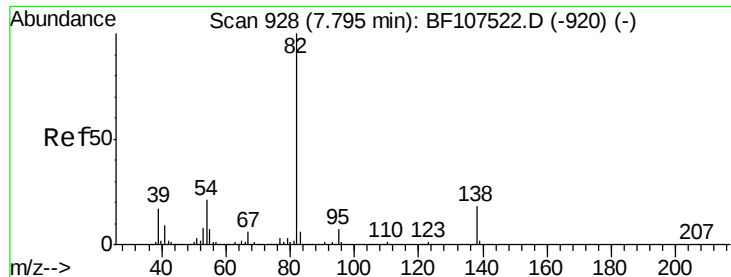
#24
Nitrobenzene
Concen: 37.381 ng
RT: 7.56 min Scan# 888
Delta R.T. -0.01 min
Lab File: BF107632.D
Acq: 24 Jul 2018 21:13

Tgt Ion: 77 Resp: 570884
Ion Ratio Lower Upper
77 100
123 51.2 37.9 56.9
65 14.5 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: 36.949 ng

RT: 7.79 min Scan# 927

Delta R.T. -0.01 min

Lab File: BF107632.D

Acq: 24 Jul 2018 21:13

Instrument :

BNA_F

ClientSampleId :

GL-TOPSOIL-03MSD

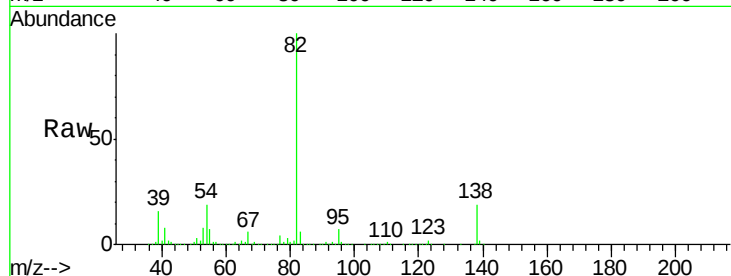
Tgt Ion: 82 Resp: 1051917

Ion Ratio Lower Upper

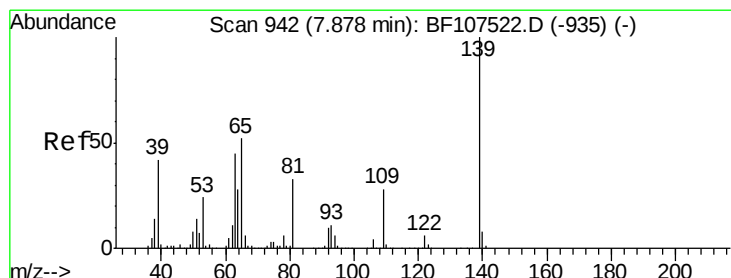
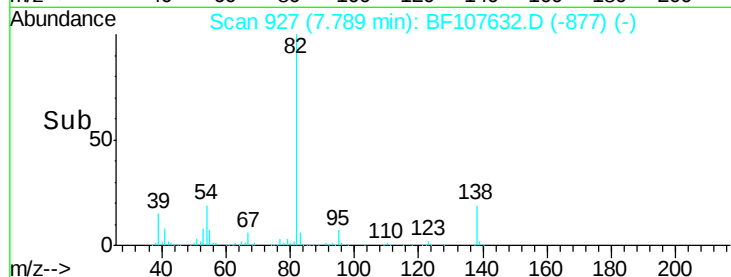
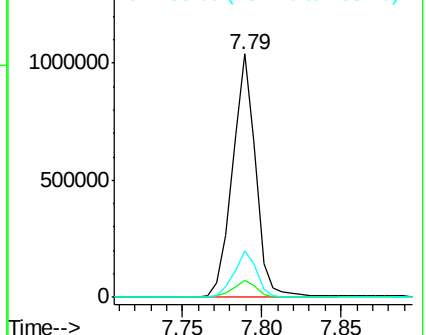
82 100

95 7.2 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: 42.648 ng

RT: 7.87 min Scan# 941

Delta R.T. -0.01 min

Lab File: BF107632.D

Acq: 24 Jul 2018 21:13

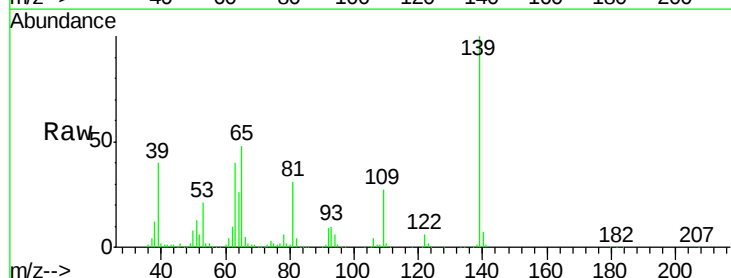
Tgt Ion: 139 Resp: 275045

Ion Ratio Lower Upper

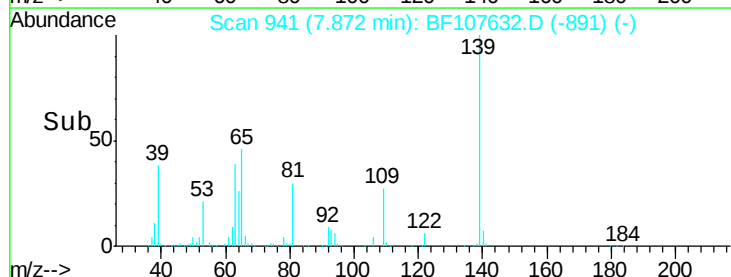
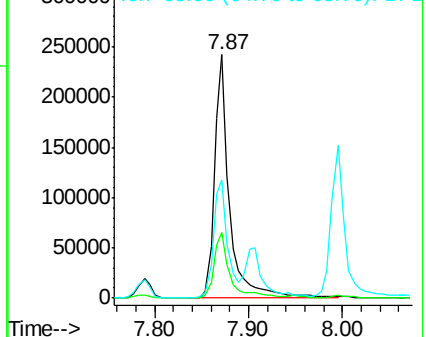
139 100

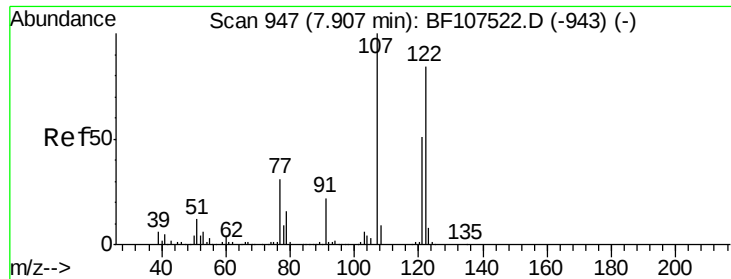
109 27.1 22.7 34.1

65 48.3 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

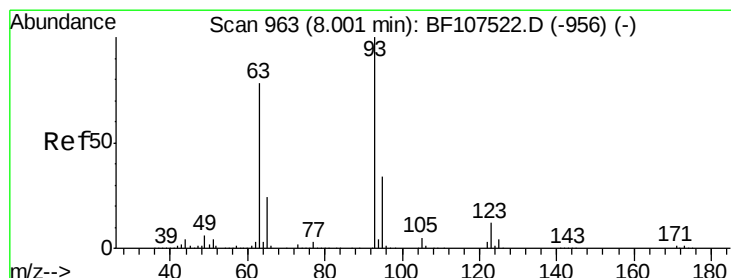
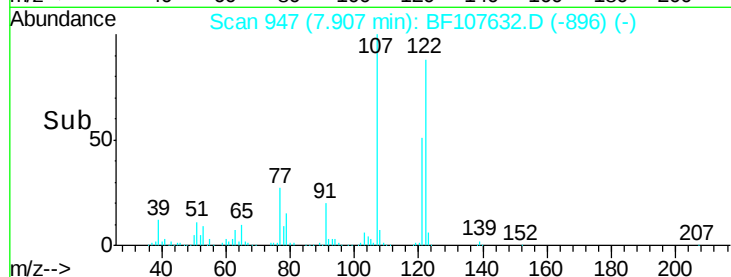
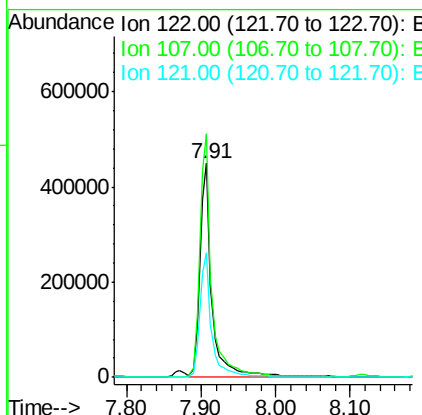
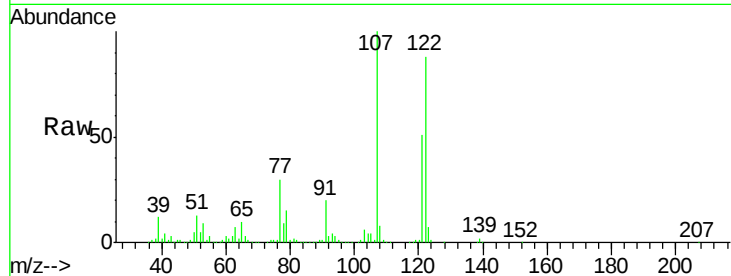




#27
 2,4-Dimethylphenol
 Concen: 41.577 ng
 RT: 7.91 min Scan# 947
 Delta R.T. -0.00 min
 Lab File: BF107632.D
 Acq: 24 Jul 2018 21:13

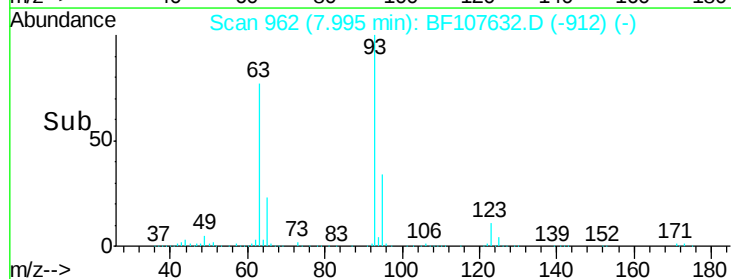
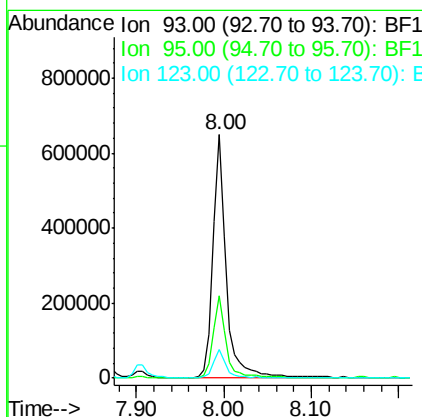
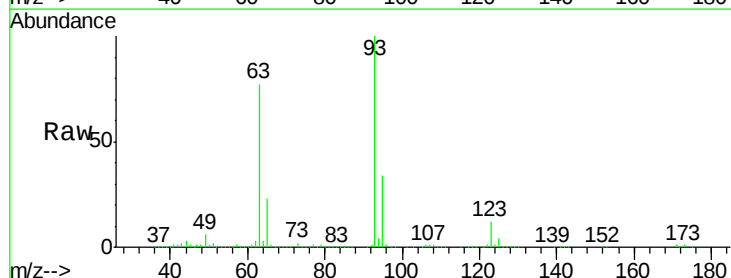
Instrument :
 BNA_F
 ClientSampleId :
 GL-TOPSOIL-03MSD

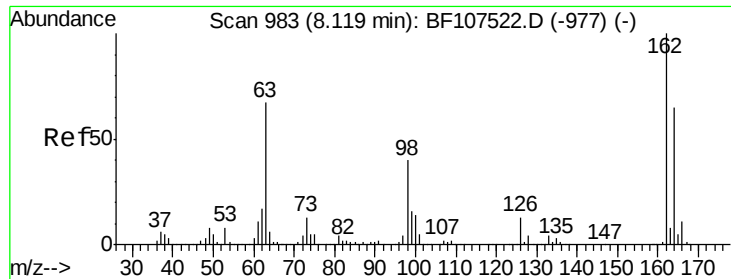
Tgt Ion	Ratio	Lower	Upper
122	100		
107	113.9	91.2	136.8
121	58.1	47.2	70.8



#28
 bis(2-Chloroethoxy)methane
 Concen: 36.209 ng
 RT: 8.00 min Scan# 962
 Delta R.T. -0.01 min
 Lab File: BF107632.D
 Acq: 24 Jul 2018 21:13

Tgt Ion	Ratio	Lower	Upper
93	100		
95	33.9	26.3	39.5
123	11.6	9.8	14.6

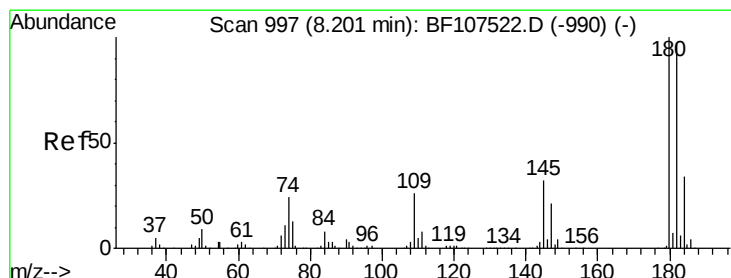
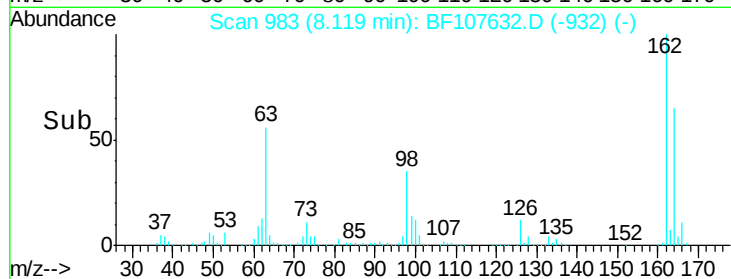
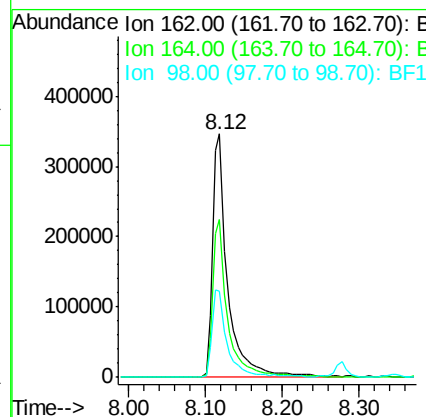
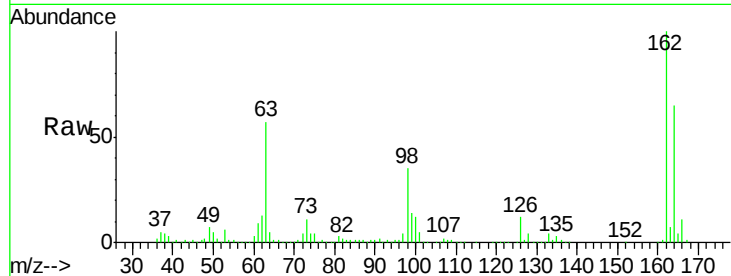




#29
2,4-Dichlorophenol
Concen: 37.661 ng
RT: 8.12 min Scan# 983
Delta R.T. -0.00 min
Lab File: BF107632.D
Acq: 24 Jul 2018 21:13

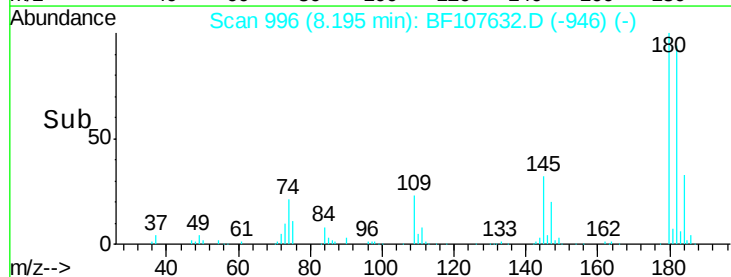
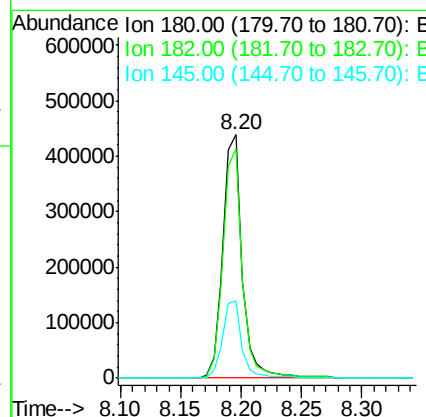
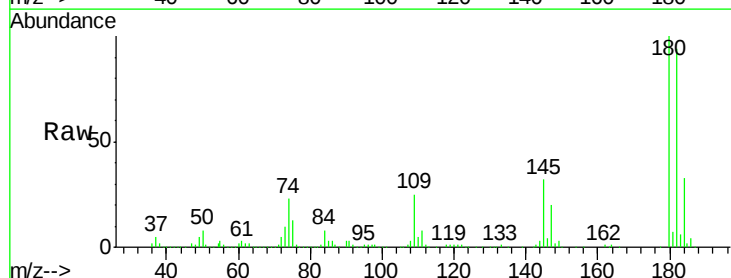
Instrument :
BNA_F
ClientSampleId :
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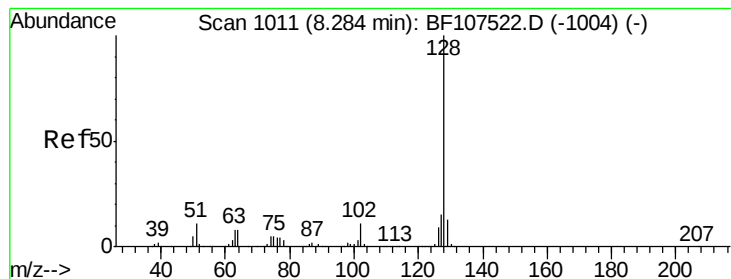
Tgt Ion:162 Resp: 469920
Ion Ratio Lower Upper
162 100
164 64.7 42.7 82.7
98 35.4 18.1 58.1



#30
1,2,4-Trichlorobenzene
Concen: 34.643 ng
RT: 8.20 min Scan# 996
Delta R.T. -0.01 min
Lab File: BF107632.D
Acq: 24 Jul 2018 21:13

Tgt Ion:180 Resp: 485490
Ion Ratio Lower Upper
180 100
182 94.2 76.8 115.2
145 31.6 26.5 39.7





#31

Naphthalene

Concen: 39.798 ng

RT: 8.28 min Scan# 1010

Delta R.T. -0.01 min

Lab File: BF107632.D

Acq: 24 Jul 2018 21:13

Instrument :

BNA_F

ClientSampleId :

GL-TOPSOIL-03MSD

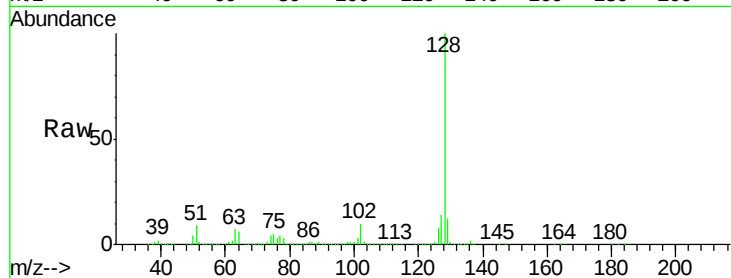
Tgt Ion:128 Resp: 1574827

Ion Ratio Lower Upper

128 100

129 11.7 8.8 13.2

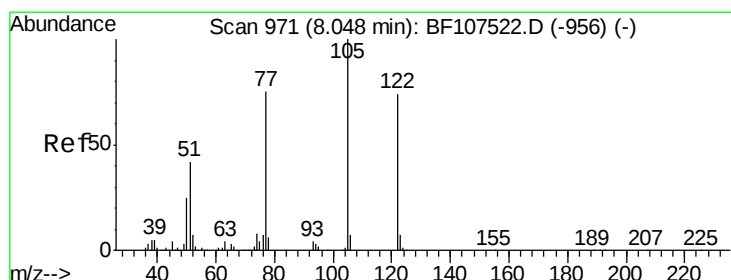
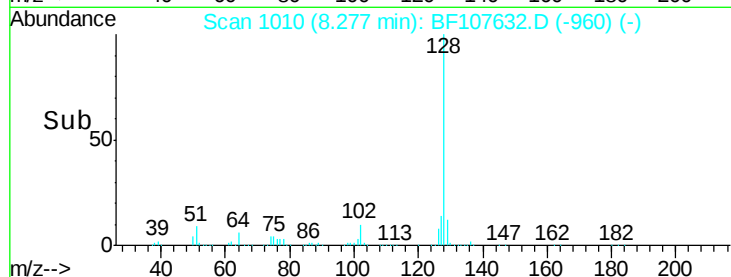
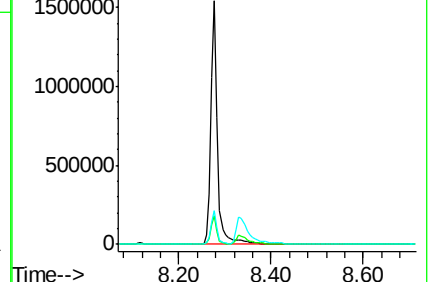
127 13.7 10.9 16.3



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: 57.653 ng

RT: 7.91 min Scan# 947

Delta R.T. -0.14 min

Lab File: BF107632.D

Acq: 24 Jul 2018 21:13

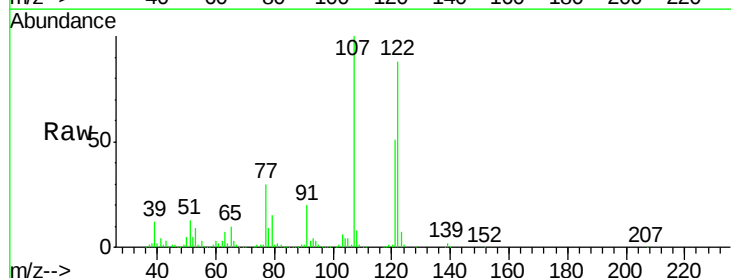
Tgt Ion:122 Resp: 507557

Ion Ratio Lower Upper

122 100

105 4.0 101.1 141.1#

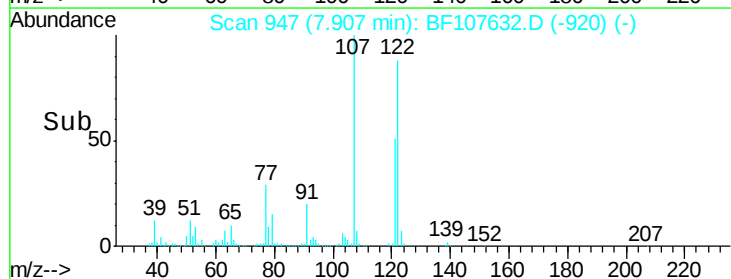
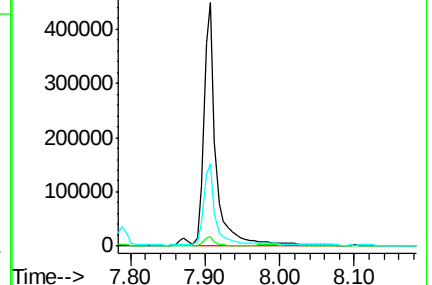
77 33.8 70.7 110.7#

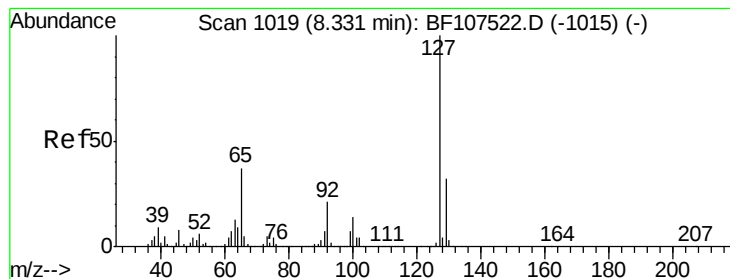


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1





#33

4-Chloroaniline

Concen: 20.386 ng

RT: 8.33 min Scan# 1019

Delta R.T. -0.00 min

Lab File: BF107632.D

Acq: 24 Jul 2018 21:13

Instrument :

BNA_F

ClientSampleId :

GL-TOPSOIL-03MSD

Tgt Ion:127 Resp: 352589

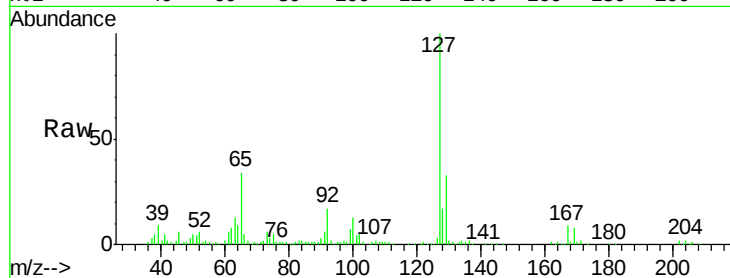
Ion Ratio Lower Upper

127 100

129 32.7 25.9 38.9

65 34.1 25.0 37.4

92 17.1 15.2 22.8

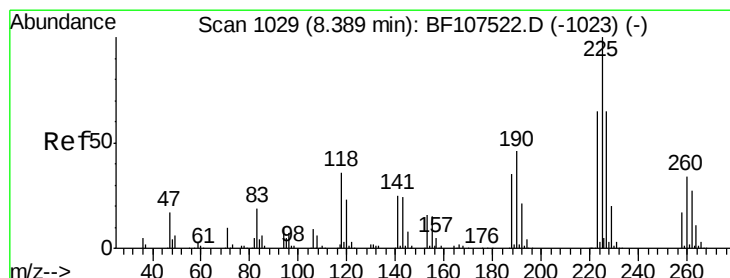
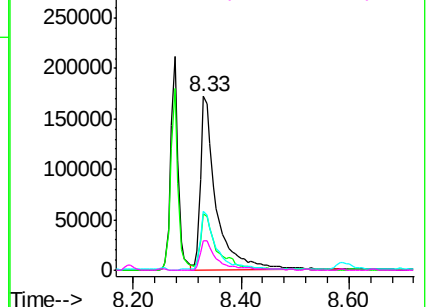
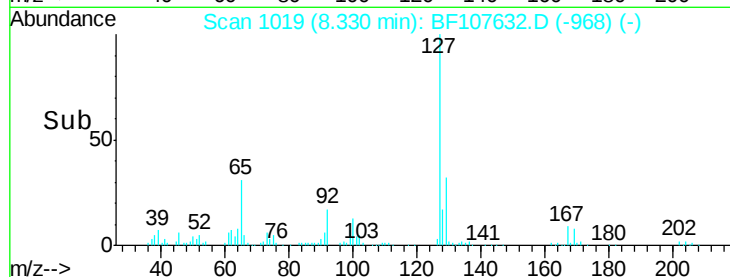


Abundance Ion 127.00 (126.70 to 127.70): E

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: 34.033 ng

RT: 8.38 min Scan# 1028

Delta R.T. -0.01 min

Lab File: BF107632.D

Acq: 24 Jul 2018 21:13

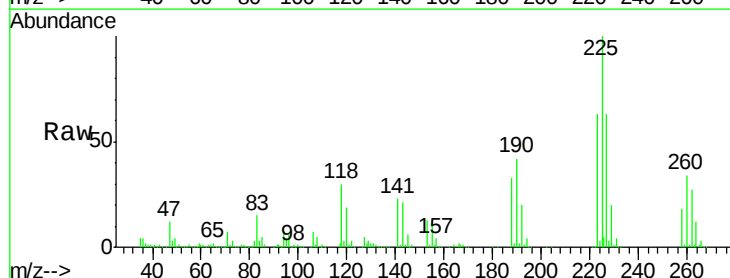
Tgt Ion:225 Resp: 283409

Ion Ratio Lower Upper

225 100

223 62.9 50.6 76.0

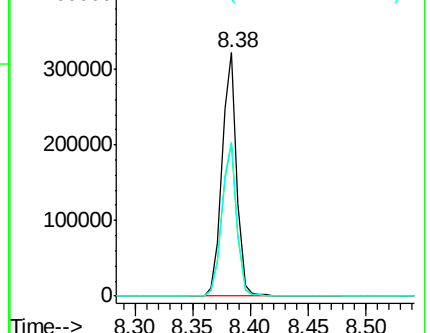
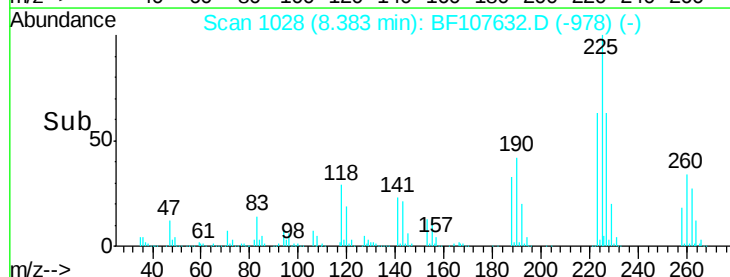
227 63.5 51.9 77.9

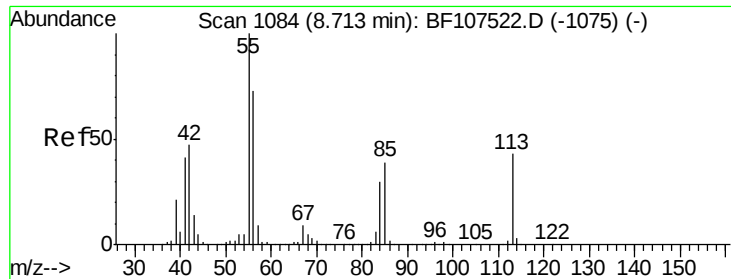


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

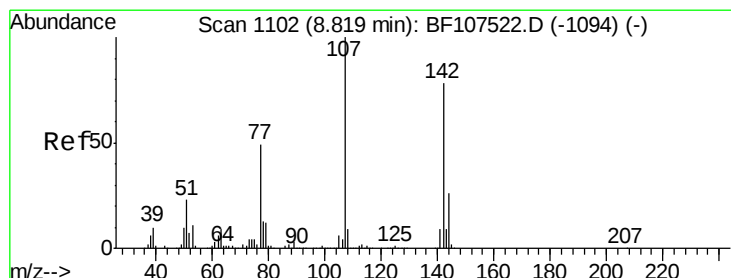
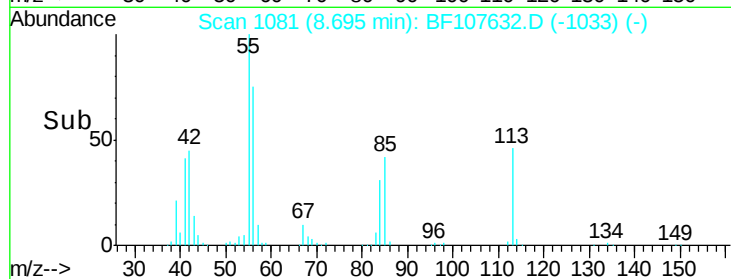
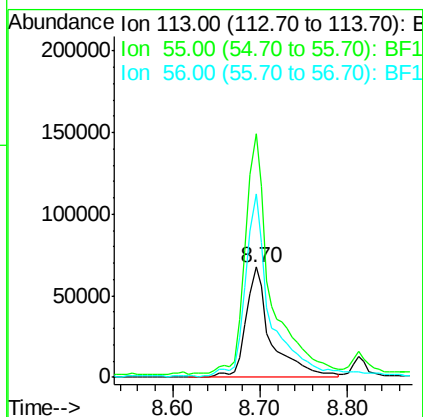
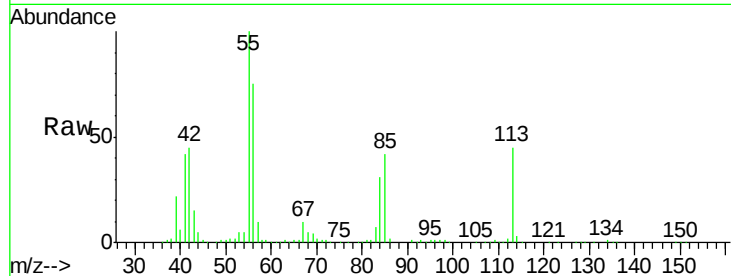




#35
 Caprolactam
 Concen: 32.244 ng
 RT: 8.70 min Scan# 1081
 Delta R.T. -0.02 min
 Lab File: BF107632.D
 Acq: 24 Jul 2018 21:13

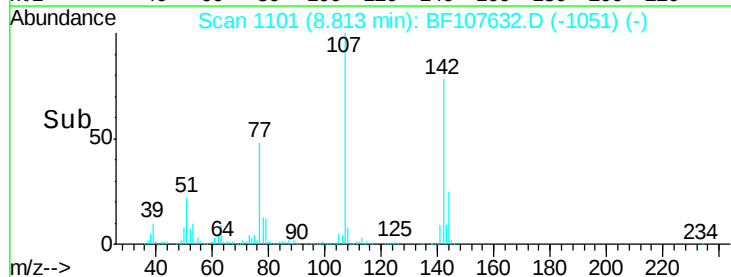
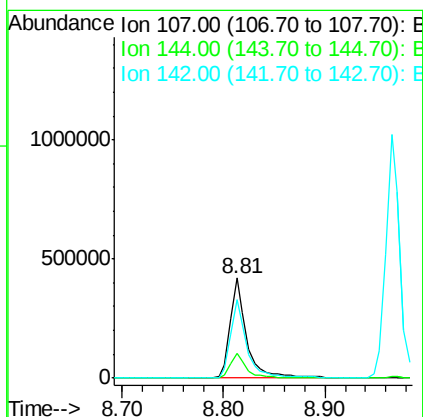
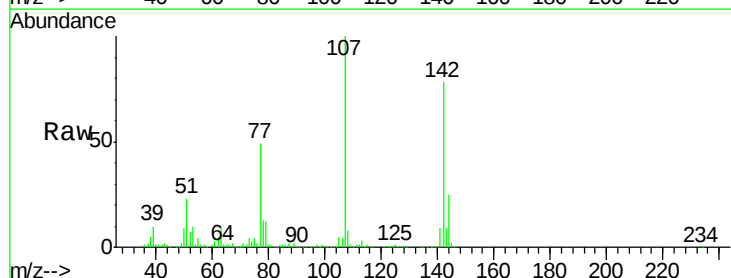
Instrument :
 BNA_F
 ClientSampleId :
 GL-TOPSOIL-03MSD

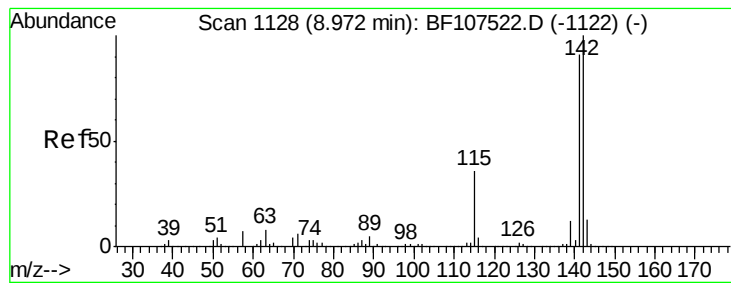
Tgt Ion:113 Resp: 130859
 Ion Ratio Lower Upper
 113 100
 55 220.8 163.3 203.3#
 56 166.0 115.7 155.7#



#36
 4-Chloro-3-methylphenol
 Concen: 34.204 ng
 RT: 8.81 min Scan# 1101
 Delta R.T. -0.01 min
 Lab File: BF107632.D
 Acq: 24 Jul 2018 21:13

Tgt Ion:107 Resp: 474084
 Ion Ratio Lower Upper
 107 100
 144 24.6 20.5 30.7
 142 78.0 62.0 93.0

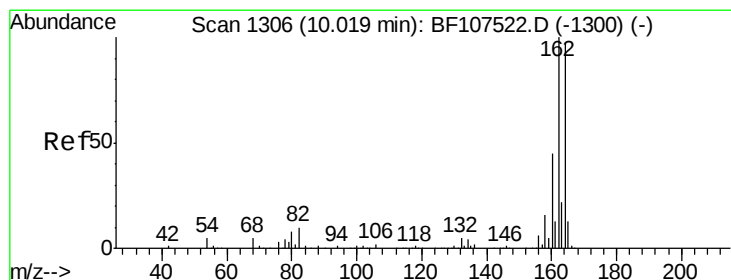
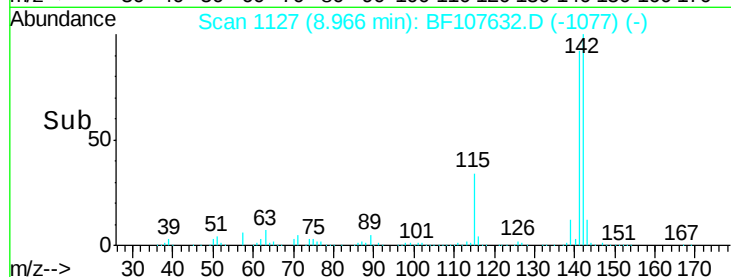
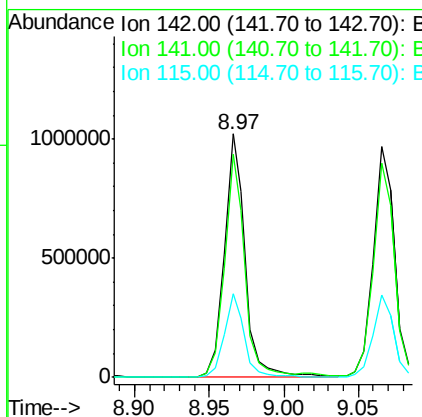
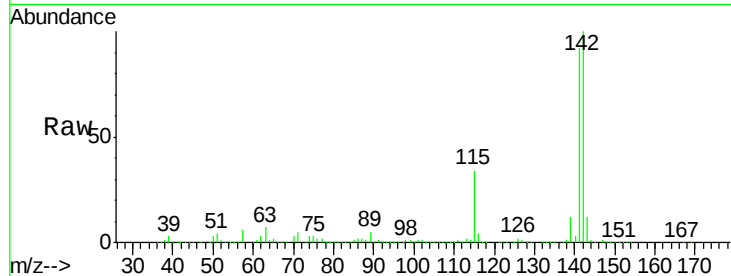




#37
 2-Methylnaphthalene
 Concen: 36.827 ng
 RT: 8.97 min Scan# 1127
 Delta R.T. -0.01 min
 Lab File: BF107632.D
 Acq: 24 Jul 2018 21:13

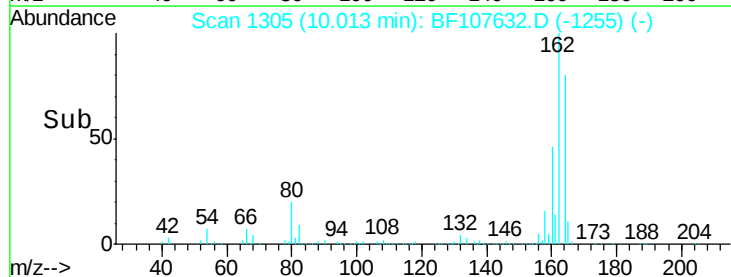
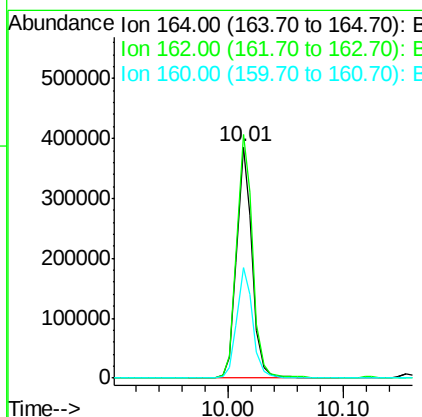
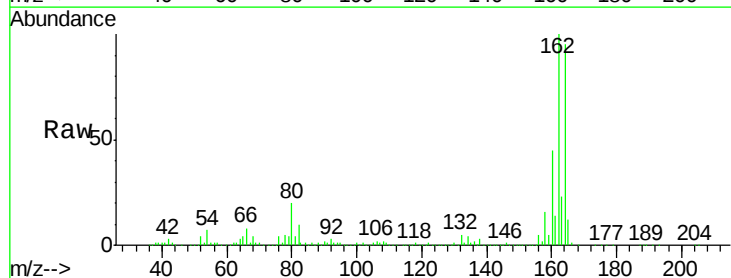
Instrument :
 BNA_F
 ClientSampleId :
 GL-TOPSOIL-03MSD

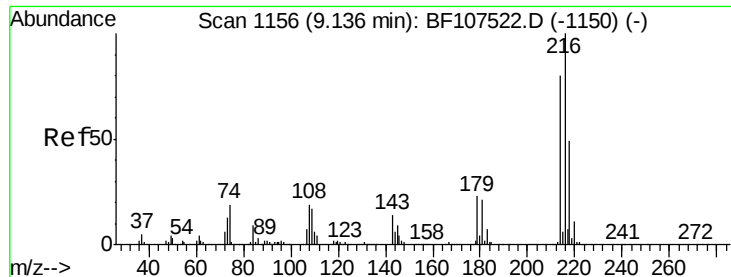
Tgt Ion:142 Resp: 1009817
 Ion Ratio Lower Upper
 142 100
 141 91.6 70.8 106.2
 115 34.3 26.1 39.1



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.01 min Scan# 1305
 Delta R.T. -0.01 min
 Lab File: BF107632.D
 Acq: 24 Jul 2018 21:13

Tgt Ion:164 Resp: 359247
 Ion Ratio Lower Upper
 164 100
 162 105.5 86.1 129.1
 160 47.7 38.3 57.5

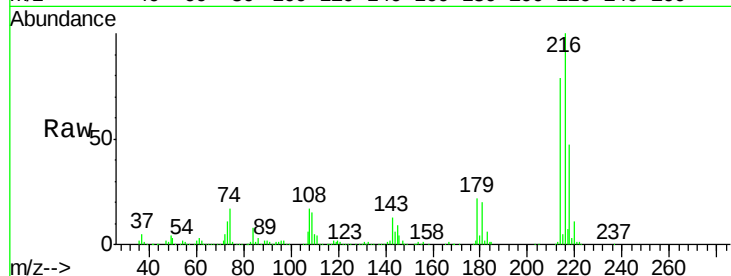




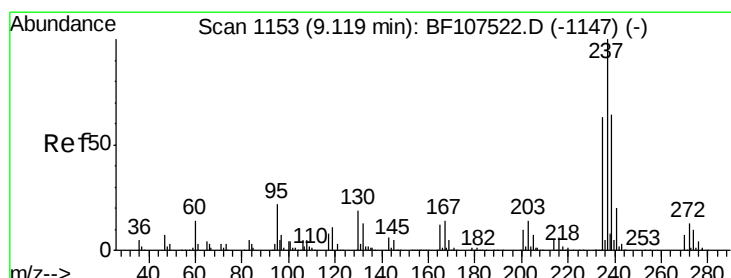
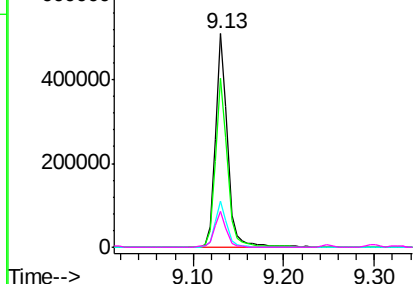
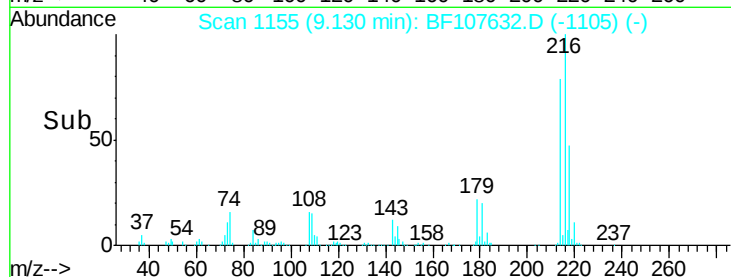
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 39.203 ng
 RT: 9.13 min Scan# 1155
 Delta R.T. -0.01 min
 Lab File: BF107632.D
 Acq: 24 Jul 2018 21:13

Instrument :
 BNA_F
 ClientSampleId :
 GL-TOPSOIL-03MSD

Tgt Ion:	216	Resp:	469744
Ion	Ratio	Lower	Upper
216	100		
214	78.9	63.0	94.4
179	21.4	18.1	27.1
108	16.8	17.2	25.8#

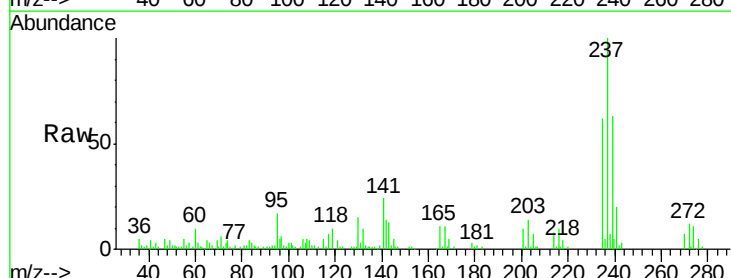


Abundance Ion 216.00 (215.70 to 216.70): E
 Ion 214.00 (213.70 to 214.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 108.00 (107.70 to 108.70): E

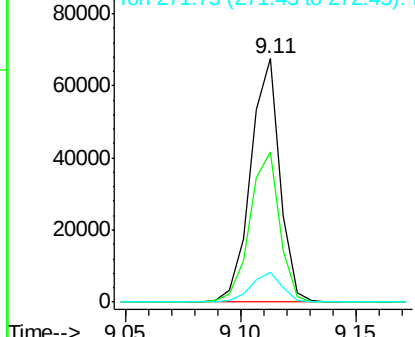
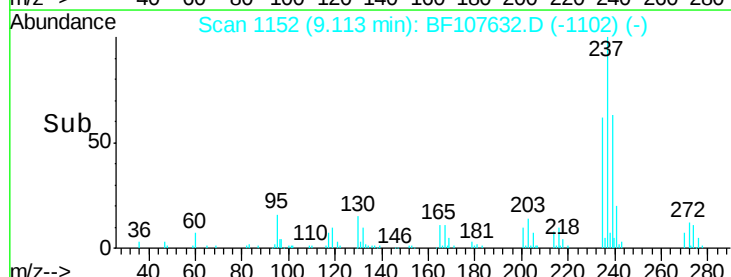


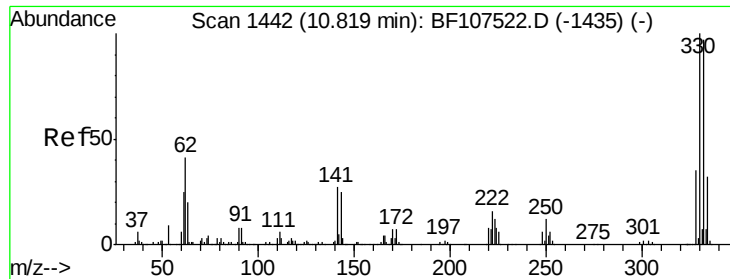
#40
 Hexachlorocyclopentadiene
 Concen: 9.809 ng
 RT: 9.11 min Scan# 1152
 Delta R.T. -0.01 min
 Lab File: BF107632.D
 Acq: 24 Jul 2018 21:13

Tgt Ion:	237	Resp:	59747
Ion	Ratio	Lower	Upper
237	100		
235	61.7	44.8	84.8
272	12.0	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

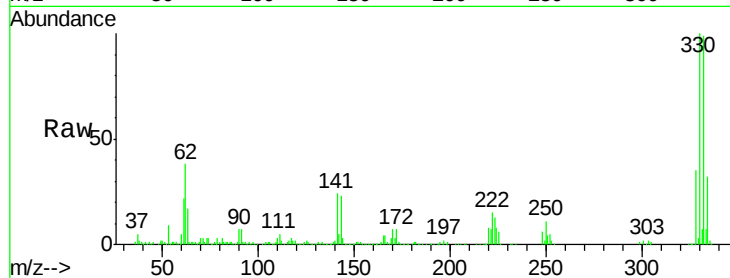




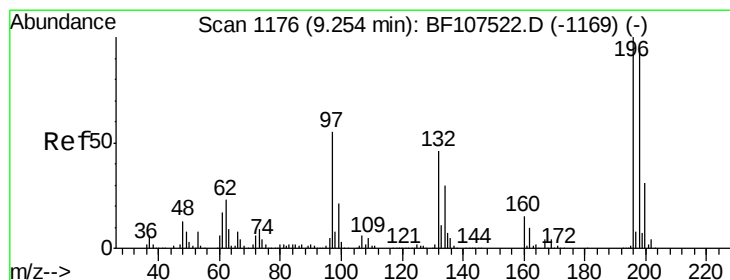
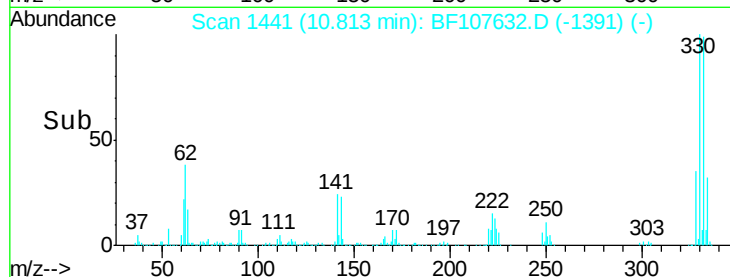
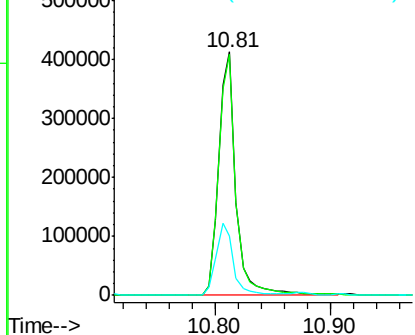
#41
 2,4,6-Tribromophenol
 Concen: 105.338 ng
 RT: 10.81 min Scan# 1441
 Delta R.T. -0.01 min
 Lab File: BF107632.D
 Acq: 24 Jul 2018 21:13

Instrument :
 BNA_F
 ClientSampleId :
 GL-TOPSOIL-03MSD

Tgt Ion:330 Resp: 430326
 Ion Ratio Lower Upper
 330 100
 332 100.1 77.0 115.6
 141 29.1 29.9 44.9#

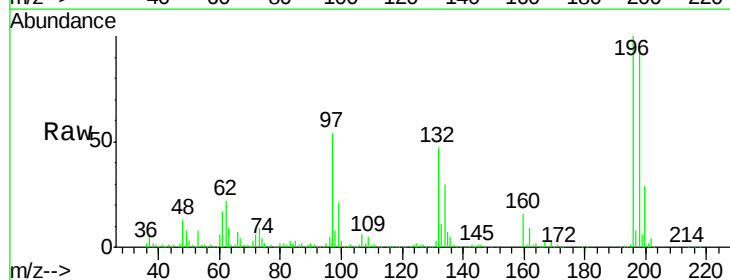


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

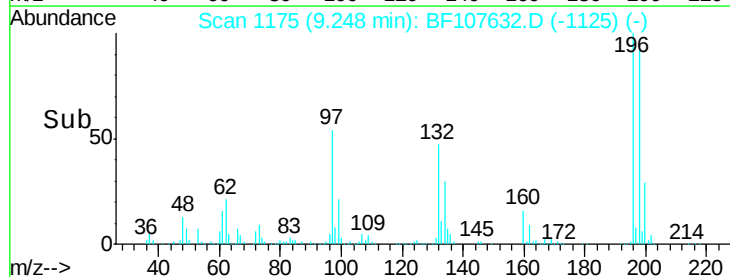
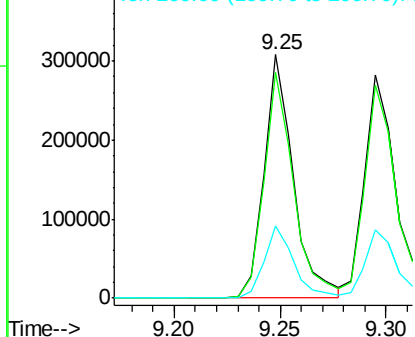


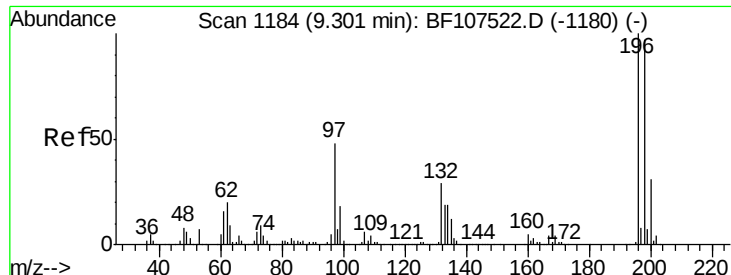
#42
 2,4,6-Trichlorophenol
 Concen: 38.779 ng
 RT: 9.25 min Scan# 1175
 Delta R.T. -0.01 min
 Lab File: BF107632.D
 Acq: 24 Jul 2018 21:13

Tgt Ion:196 Resp: 297423
 Ion Ratio Lower Upper
 196 100
 198 92.7 75.7 113.5
 200 29.4 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

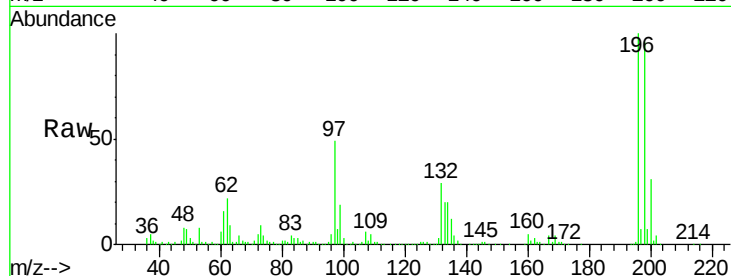




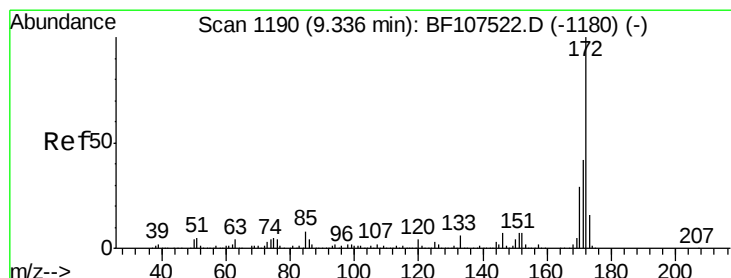
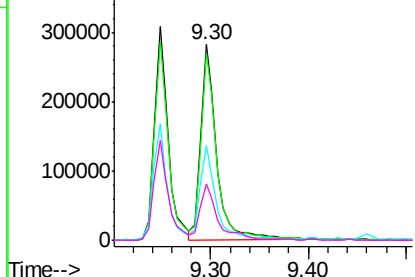
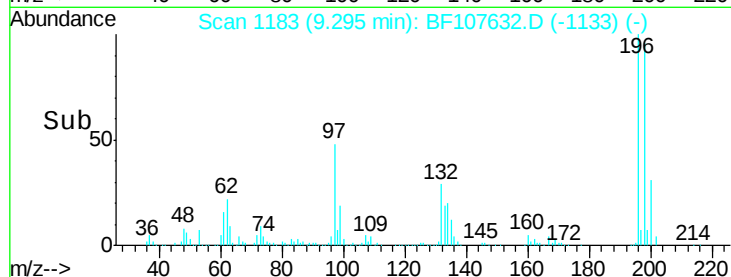
#43
 2,4,5-Trichlorophenol
 Concen: 39.385 ng
 RT: 9.30 min Scan# 1183
 Delta R.T. -0.01 min
 Lab File: BF107632.D
 Acq: 24 Jul 2018 21:13

Instrument :
 BNA_F
 ClientSampleId :
 GL-TOPSOIL-03MSD

Tgt Ion:196 Resp: 315709
 Ion Ratio Lower Upper
 196 100
 198 95.6 74.6 112.0
 97 48.5 42.9 64.3
 132 28.9 26.3 39.5

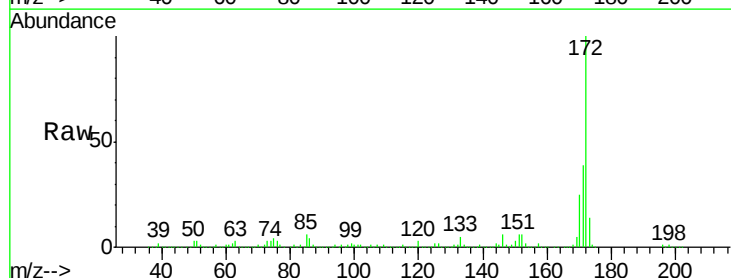


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF1
 Ion 132.00 (131.70 to 132.70): E

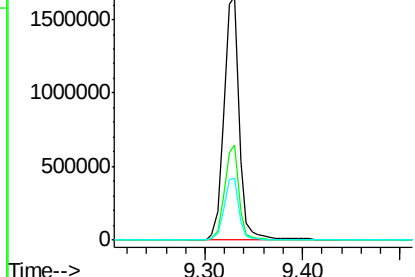
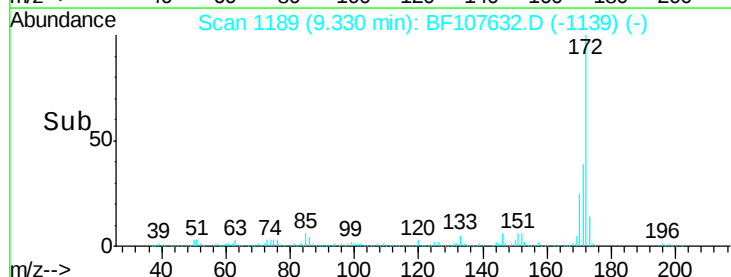


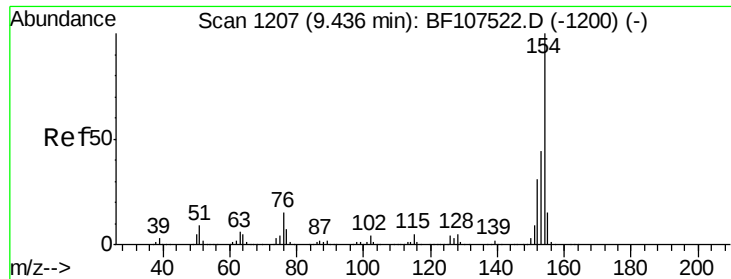
#44
 2-Fluorobiphenyl
 Concen: 87.356 ng
 RT: 9.33 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF107632.D
 Acq: 24 Jul 2018 21:13

Tgt Ion:172 Resp: 1818620
 Ion Ratio Lower Upper
 172 100
 171 38.9 29.7 44.5
 170 25.5 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

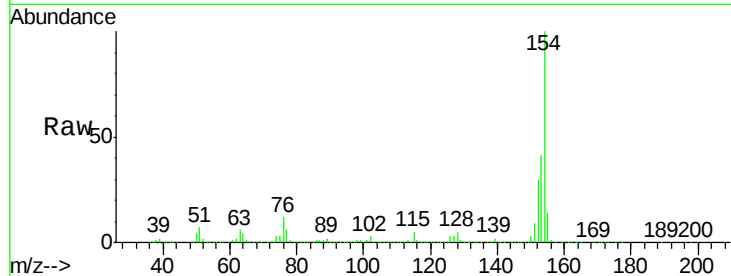




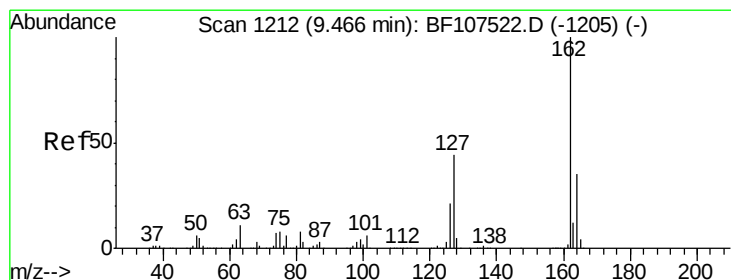
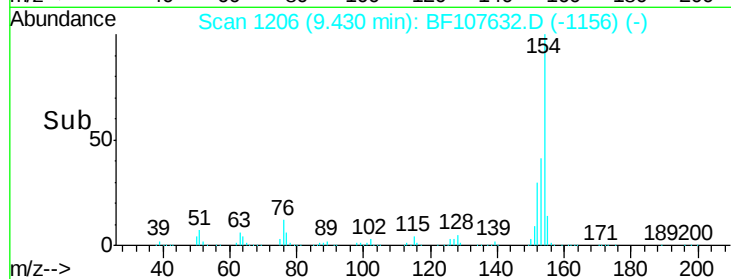
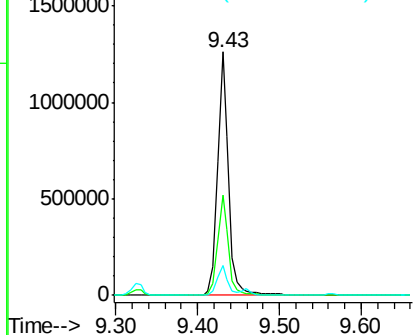
#45
 1,1'-Biphenyl
 Concen: 38.128 ng
 RT: 9.43 min Scan# 1206
 Delta R.T. -0.01 min
 Lab File: BF107632.D
 Acq: 24 Jul 2018 21:13

Instrument :
 BNA_F
 ClientSampleId :
 GL-TOPSOIL-03MSD

Tgt Ion:154 Resp: 1193191
 Ion Ratio Lower Upper
 154 100
 153 41.3 21.3 61.3
 76 12.3 0.0 34.0

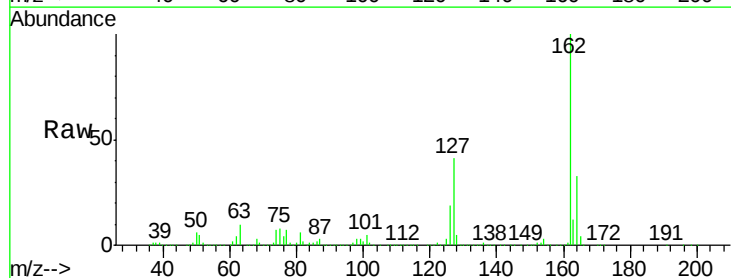


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF1

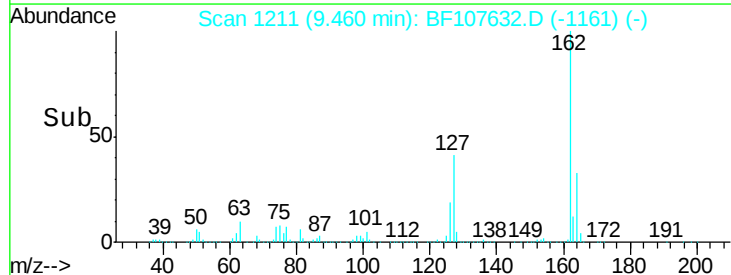
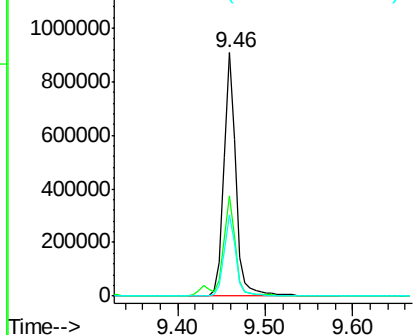


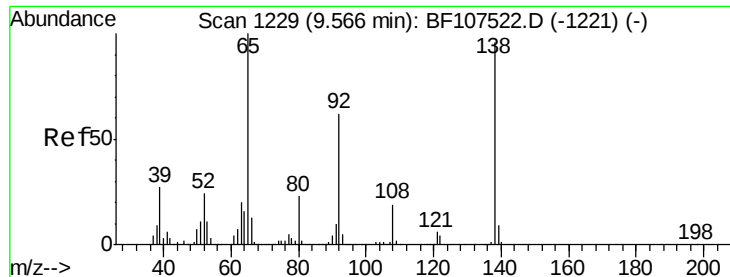
#46
 2-Chloronaphthalene
 Concen: 36.640 ng
 RT: 9.46 min Scan# 1211
 Delta R.T. -0.01 min
 Lab File: BF107632.D
 Acq: 24 Jul 2018 21:13

Tgt Ion:162 Resp: 876458
 Ion Ratio Lower Upper
 162 100
 127 41.0 33.9 50.9
 164 33.1 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

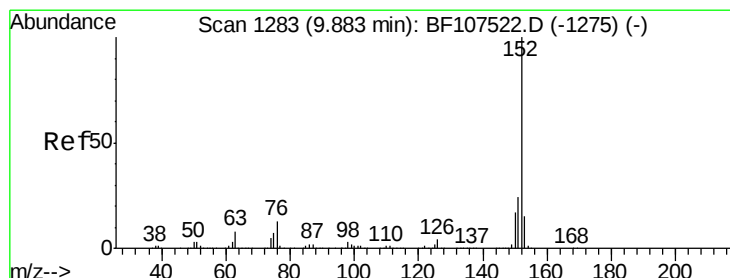
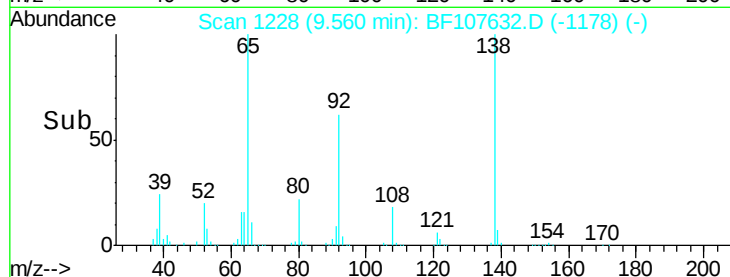
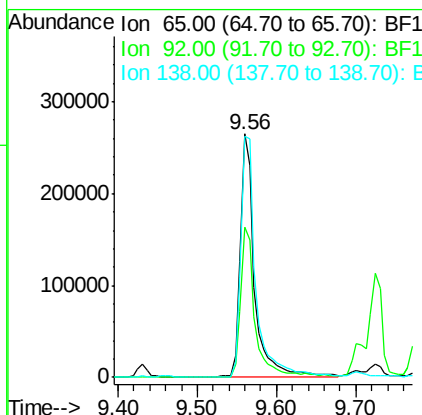
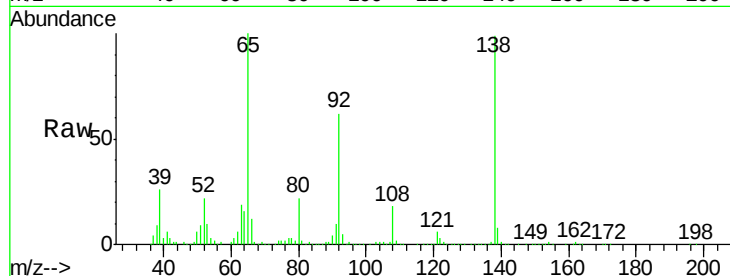




#47
2-Nitroaniline
Concen: 46.978 ng
RT: 9.56 min Scan# 1228
Delta R.T. -0.01 min
Lab File: BF107632.D
Acq: 24 Jul 2018 21:13

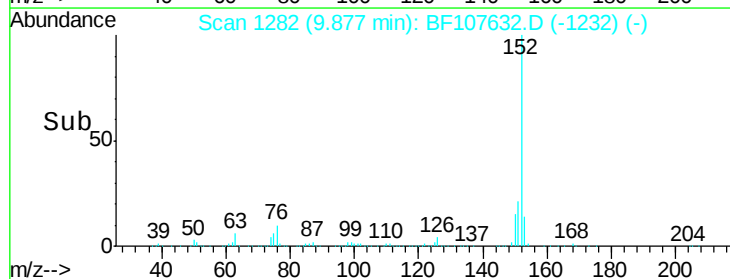
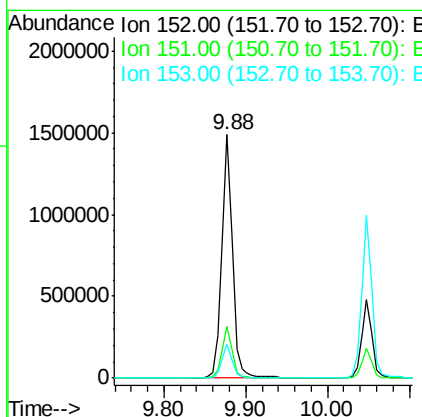
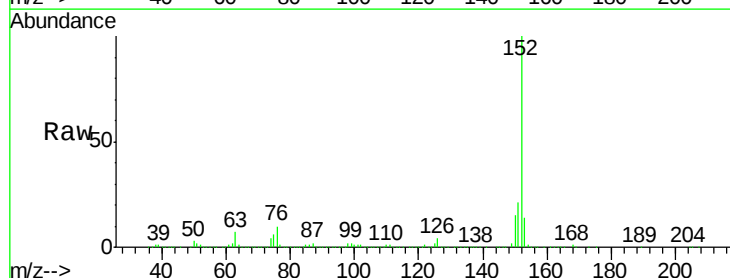
Instrument :
BNA_F
ClientSampleId :
GL-TOPSOIL-03MSD

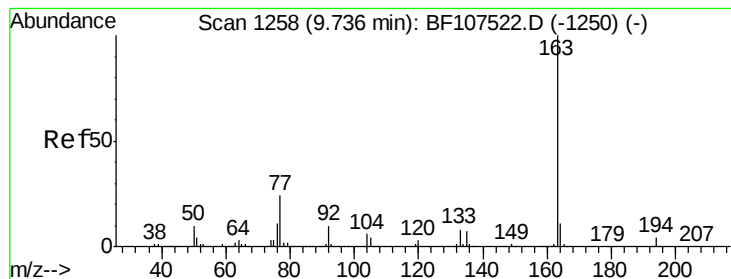
Tgt Ion: 65 Resp: 327611
Ion Ratio Lower Upper
65 100
92 61.9 55.8 83.6
138 99.0 91.2 136.8



#48
Acenaphthylene
Concen: 39.158 ng
RT: 9.88 min Scan# 1282
Delta R.T. -0.01 min
Lab File: BF107632.D
Acq: 24 Jul 2018 21:13

Tgt Ion: 152 Resp: 1407086
Ion Ratio Lower Upper
152 100
151 21.2 16.3 24.5
153 13.7 10.7 16.1





#49

Dimethylphthalate

Concen: 47.662 ng

RT: 9.72 min Scan# 1256

Delta R.T. -0.01 min

Lab File: BF107632.D

Acq: 24 Jul 2018 21:13

Instrument :

BNA_F

ClientSampleId :

GL-TOPSOIL-03MSD

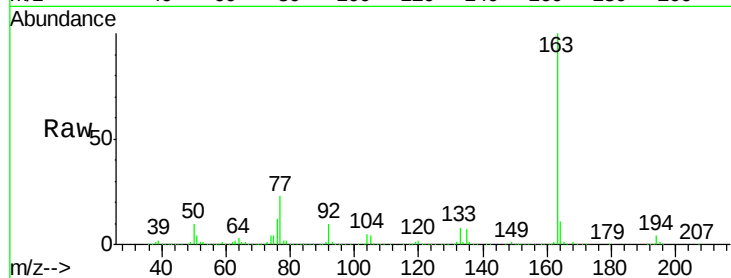
Tgt Ion:163 Resp: 1290450

Ion Ratio Lower Upper

163 100

194 4.0 2.7 4.1

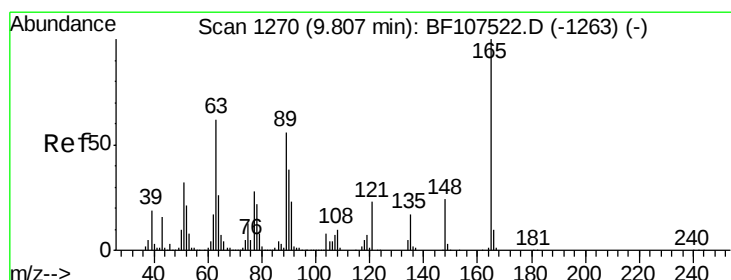
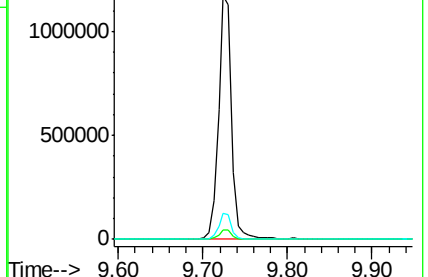
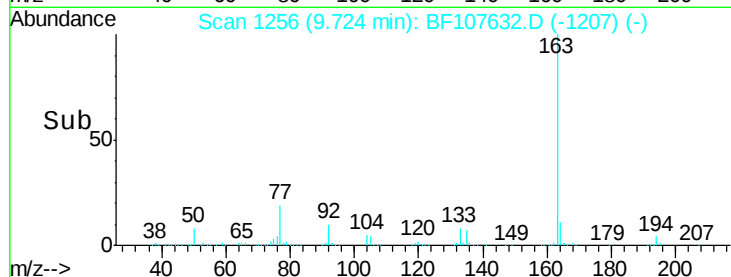
164 10.8 8.2 12.2



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: 38.554 ng

RT: 9.80 min Scan# 1268

Delta R.T. -0.01 min

Lab File: BF107632.D

Acq: 24 Jul 2018 21:13

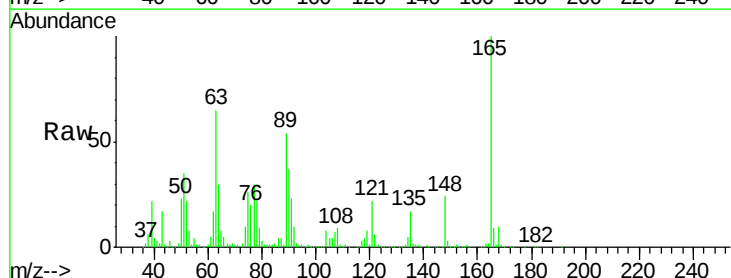
Tgt Ion:165 Resp: 207249

Ion Ratio Lower Upper

165 100

63 65.5 44.7 67.1

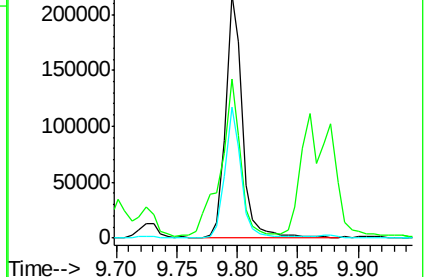
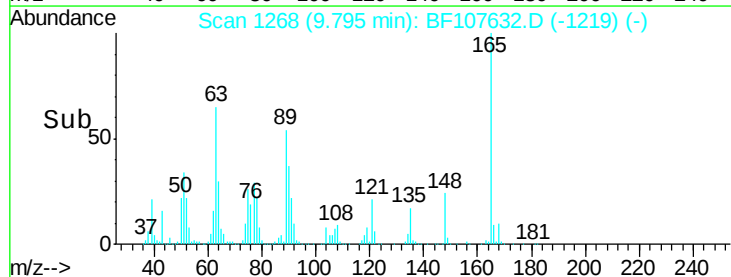
89 53.7 44.0 66.0

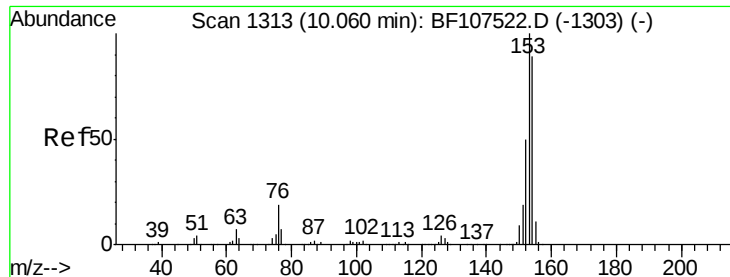


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1





#51

Acenaphthene

Concen: 35.272 ng

RT: 10.05 min Scan# 1311

Delta R.T. -0.01 min

Lab File: BF107632.D

Acq: 24 Jul 2018 21:13

Instrument :

BNA_F

ClientSampleId :

GL-TOPSOIL-03MSD

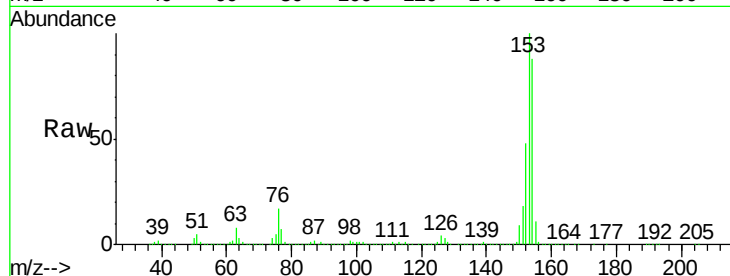
Tgt Ion:154 Resp: 794122

Ion Ratio Lower Upper

154 100

153 113.7 91.2 136.8

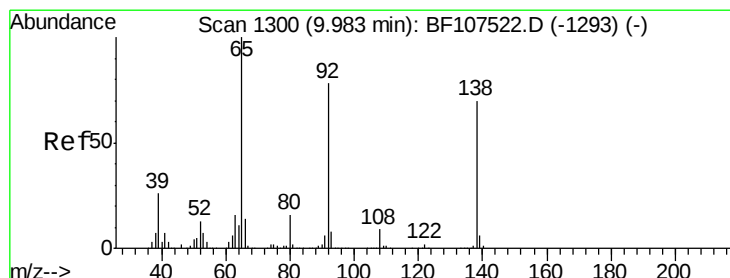
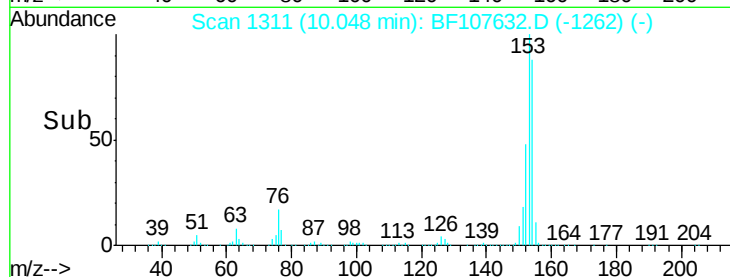
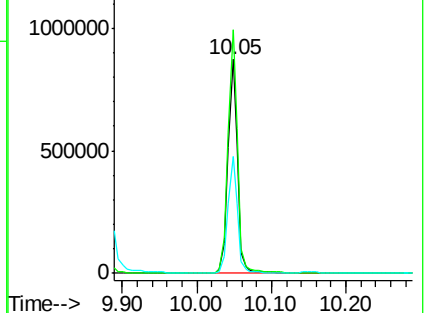
152 54.8 43.8 65.8



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: 36.362 ng

RT: 9.98 min Scan# 1299

Delta R.T. -0.01 min

Lab File: BF107632.D

Acq: 24 Jul 2018 21:13

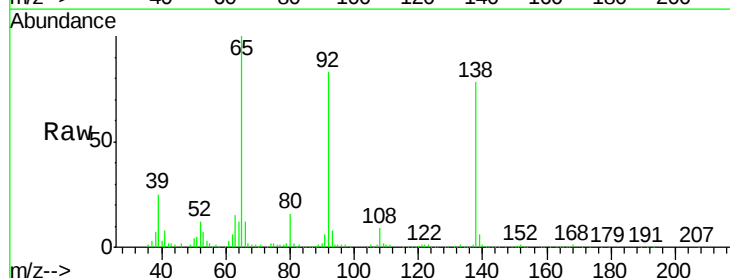
Tgt Ion:138 Resp: 237790

Ion Ratio Lower Upper

138 100

108 11.0 9.4 14.0

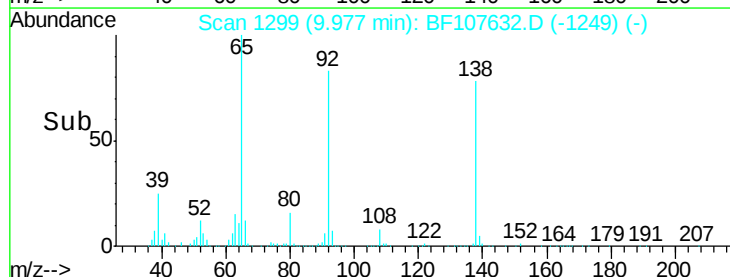
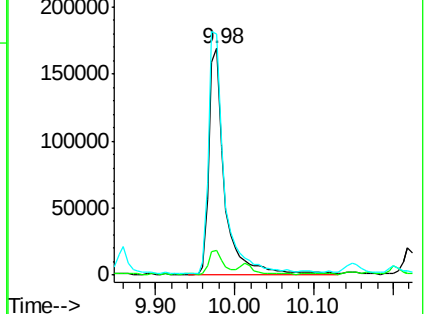
92 106.6 89.4 134.2

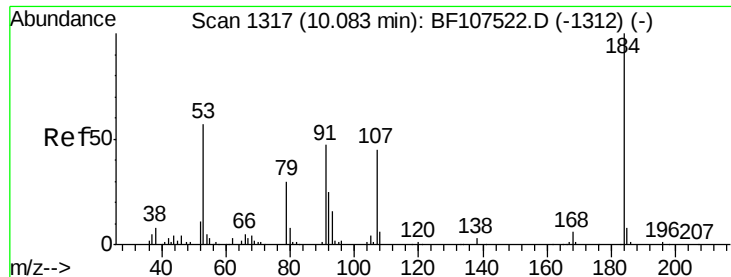


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1

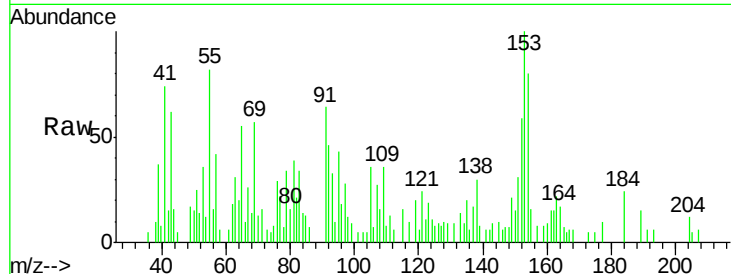




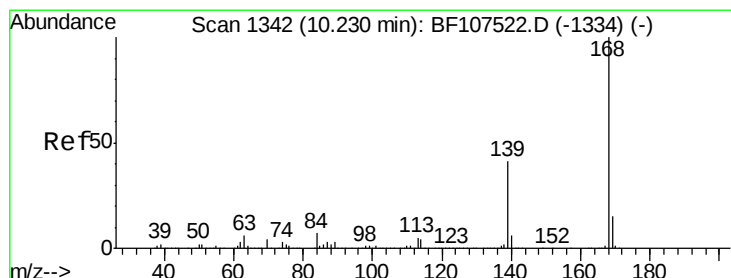
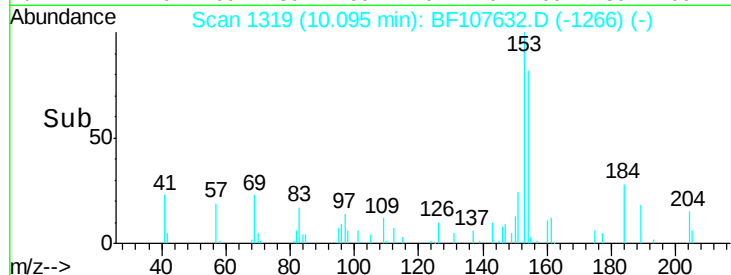
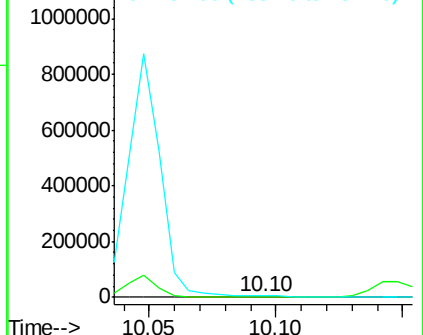
#53
2,4-Dinitrophenol
Concen: 9.786 ng
RT: 10.10 min Scan# 1319
Delta R.T. 0.01 min
Lab File: BF107632.D
Acq: 24 Jul 2018 21:13

Instrument :
BNA_F
ClientSampleId :
GL-TOPSOIL-03MSD

Tgt Ion:184 Resp: 2777
Ion Ratio Lower Upper
184 100
63 128.0 54.2 81.2#
154 333.0 184.0 276.0#

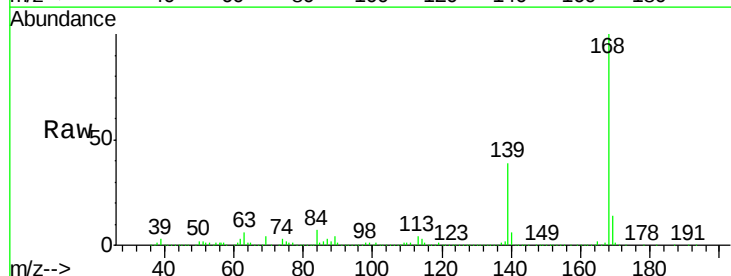


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 154.00 (153.70 to 154.70): E

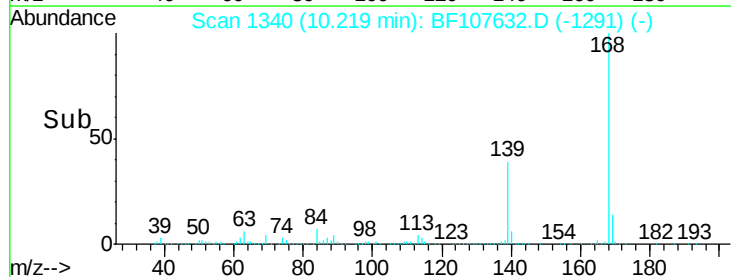
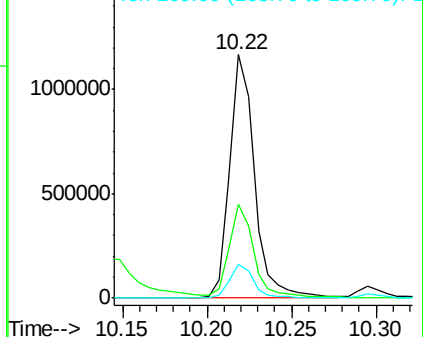


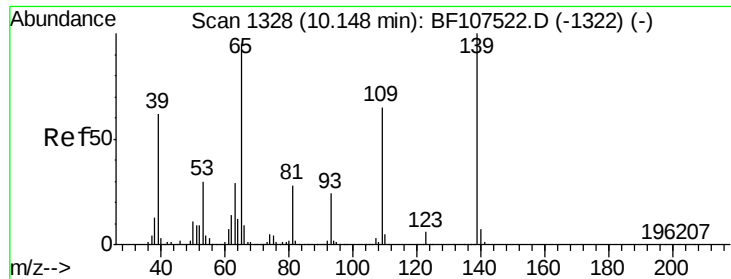
#54
Dibenzofuran
Concen: 35.896 ng
RT: 10.22 min Scan# 1340
Delta R.T. -0.01 min
Lab File: BF107632.D
Acq: 24 Jul 2018 21:13

Tgt Ion:168 Resp: 1189781
Ion Ratio Lower Upper
168 100
139 38.6 30.1 45.1
169 14.1 10.9 16.3



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

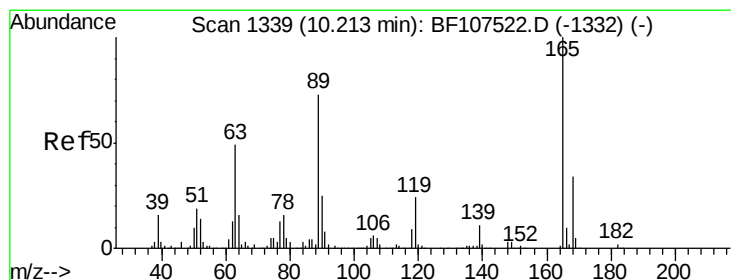
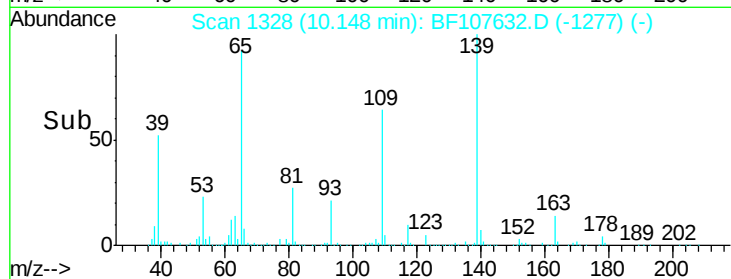
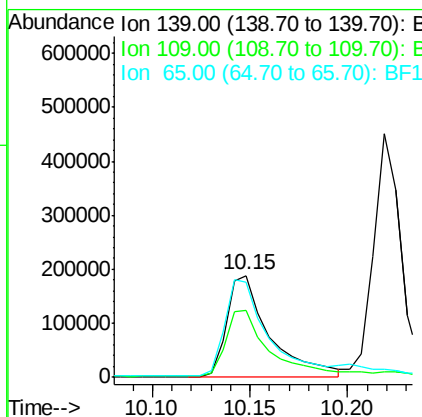
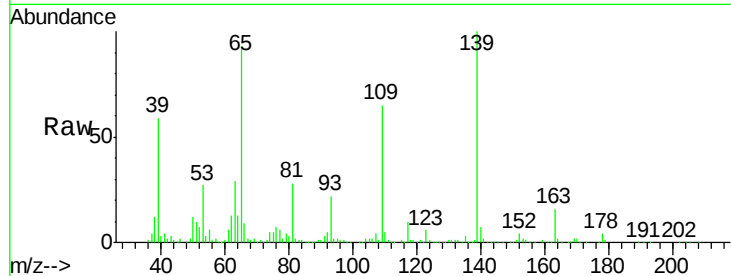




#55
4-Nitrophenol
Concen: 58.326 ng
RT: 10.15 min Scan# 1328
Delta R.T. -0.00 min
Lab File: BF107632.D
Acq: 24 Jul 2018 21:13

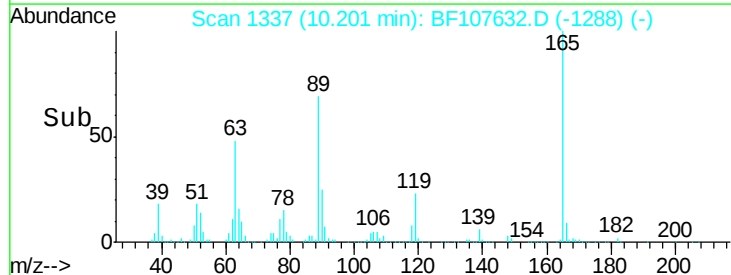
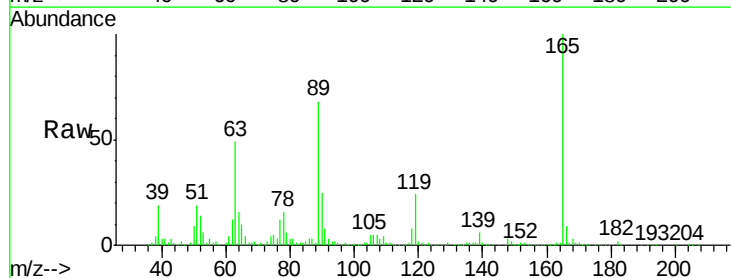
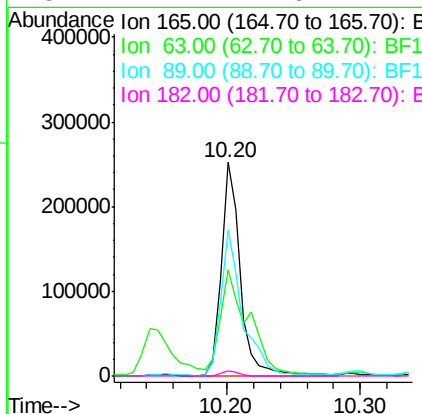
Instrument :
BNA_F
ClientSampleId :
GL-TOPSOIL-03MSD

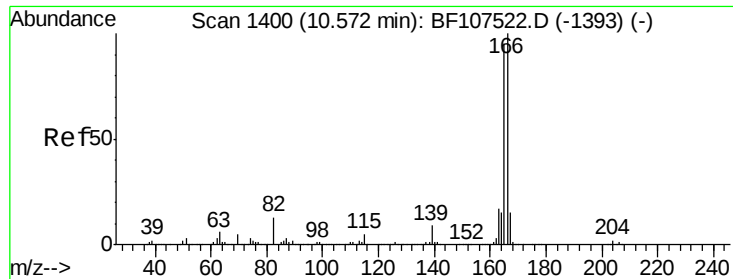
Tgt Ion:139 Resp: 285576
Ion Ratio Lower Upper
139 100
109 65.1 48.4 88.4
65 92.9 72.6 112.6



#56
2,4-Dinitrotoluene
Concen: 38.827 ng
RT: 10.20 min Scan# 1337
Delta R.T. -0.01 min
Lab File: BF107632.D
Acq: 24 Jul 2018 21:13

Tgt Ion:165 Resp: 251937
Ion Ratio Lower Upper
165 100
63 49.5 36.4 54.6
89 68.5 57.8 86.6
182 2.2 1.6 2.4

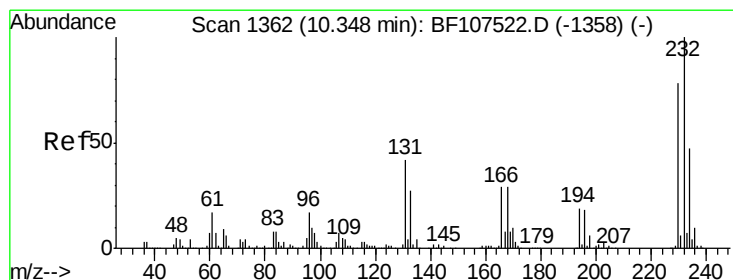
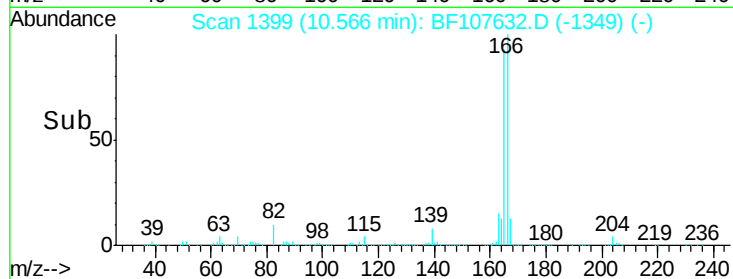
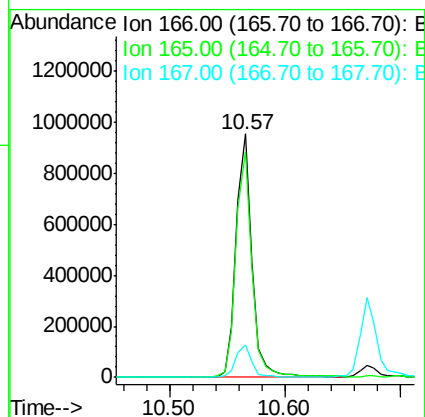
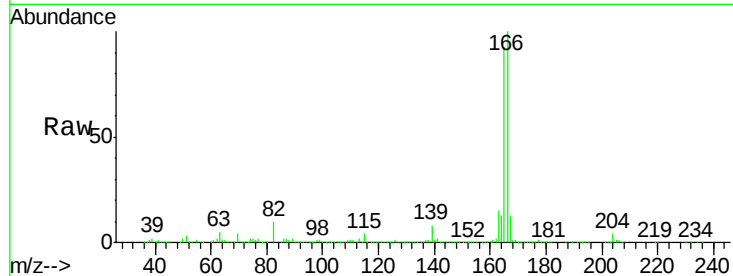




#57
 Fluorene
 Concen: 38.590 ng
 RT: 10.57 min Scan# 1399
 Delta R.T. -0.01 min
 Lab File: BF107632.D
 Acq: 24 Jul 2018 21:13

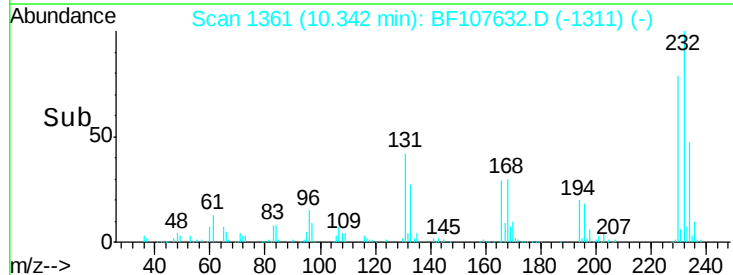
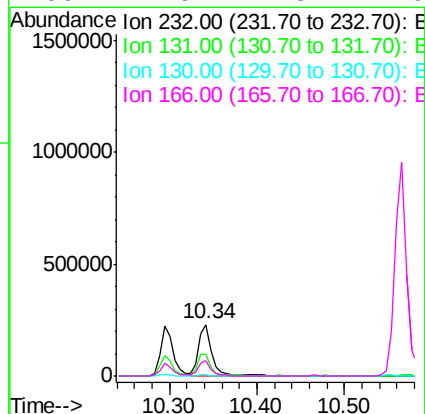
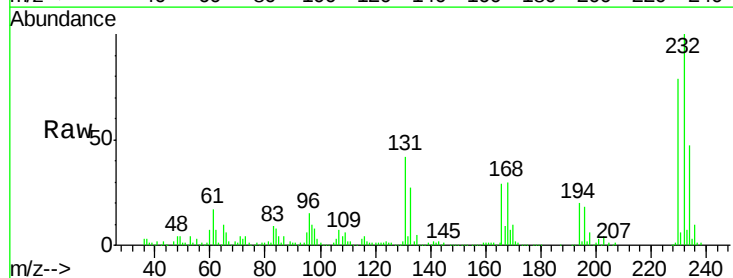
Instrument :
 BNA_F
 ClientSampleId :
 GL-TOPSOIL-03MSD

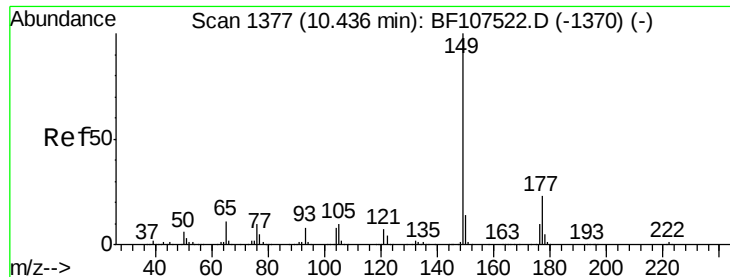
Tgt Ion:166 Resp: 912533
 Ion Ratio Lower Upper
 166 100
 165 92.8 79.8 119.8
 167 13.5 10.6 16.0



#58
 2,3,4,6-Tetrachlorophenol
 Concen: 37.124 ng
 RT: 10.34 min Scan# 1361
 Delta R.T. -0.01 min
 Lab File: BF107632.D
 Acq: 24 Jul 2018 21:13

Tgt Ion:232 Resp: 247664
 Ion Ratio Lower Upper
 232 100
 131 42.7 43.8 65.8#
 130 2.2 2.1 3.1
 166 27.6 27.8 41.6#

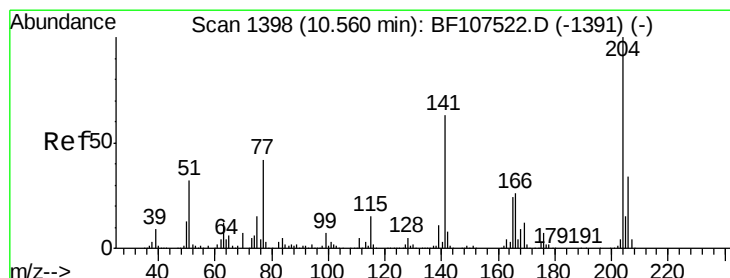
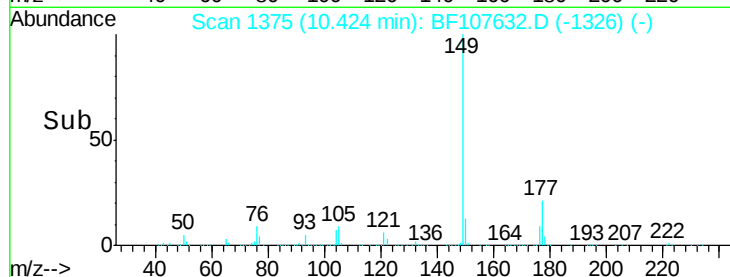
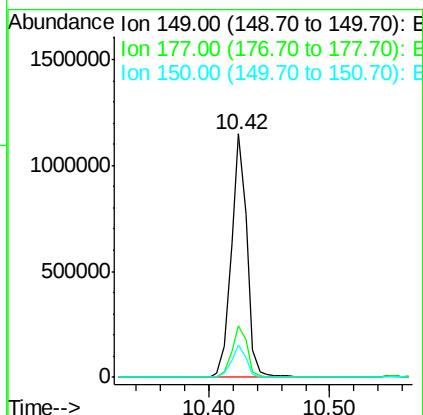
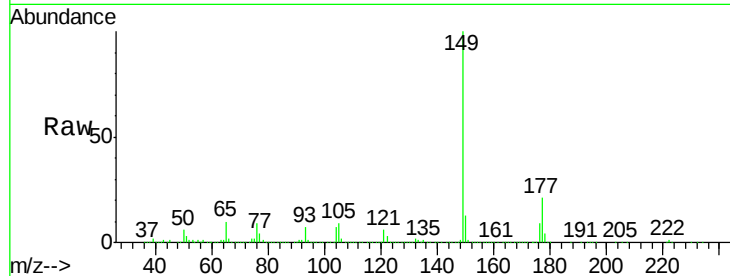




#59
Diethylphthalate
Concen: 36.422 ng
RT: 10.42 min Scan# 1375
Delta R.T. -0.01 min
Lab File: BF107632.D
Acq: 24 Jul 2018 21:13

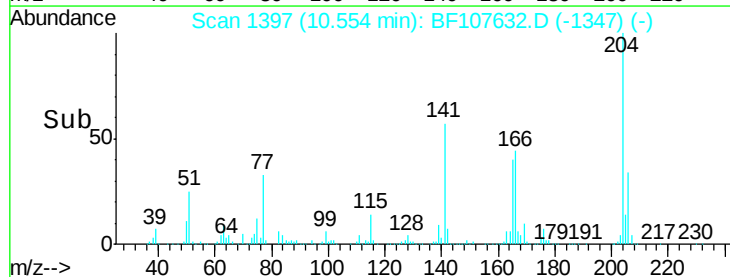
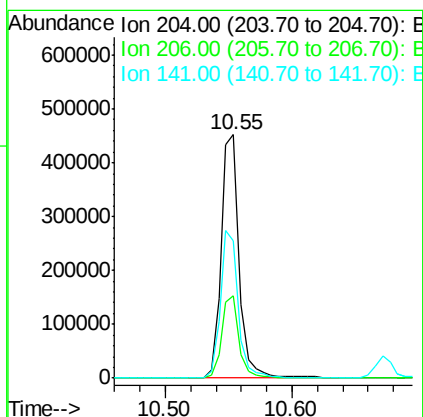
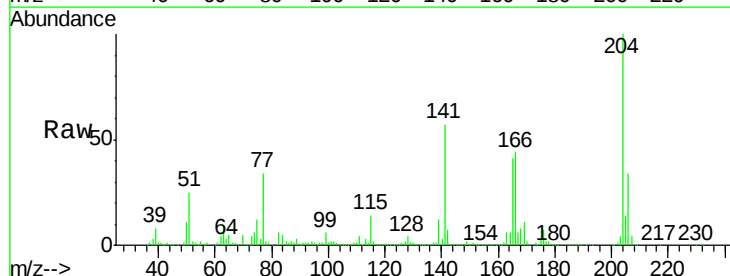
Instrument :
BNA_F
ClientSampleId :
GL-TOPSOIL-03MSD

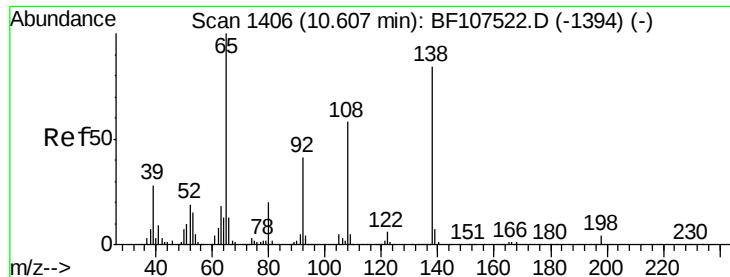
Tgt Ion:149 Resp: 1029891
Ion Ratio Lower Upper
149 100
177 21.2 16.1 24.1
150 13.1 10.1 15.1



#60
4-Chlorophenyl-phenylether
Concen: 33.664 ng
RT: 10.55 min Scan# 1397
Delta R.T. -0.01 min
Lab File: BF107632.D
Acq: 24 Jul 2018 21:13

Tgt Ion:204 Resp: 450028
Ion Ratio Lower Upper
204 100
206 33.8 26.5 39.7
141 56.7 54.6 81.8

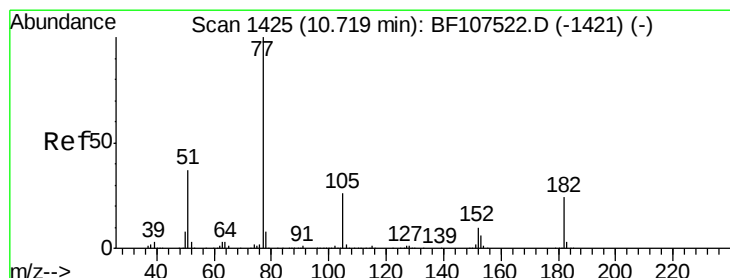
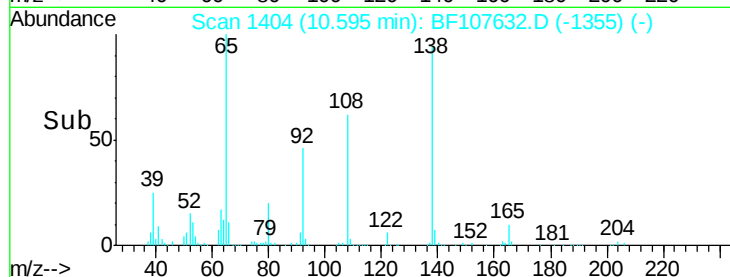
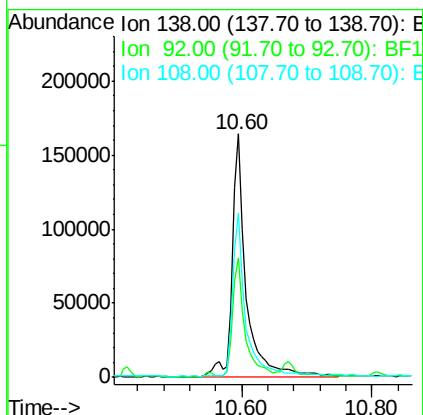
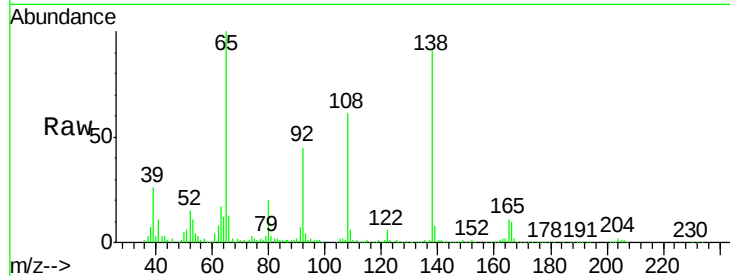




#61
4-Nitroaniline
Concen: 45.466 ng
RT: 10.60 min Scan# 1404
Delta R.T. -0.01 min
Lab File: BF107632.D
Acq: 24 Jul 2018 21:13

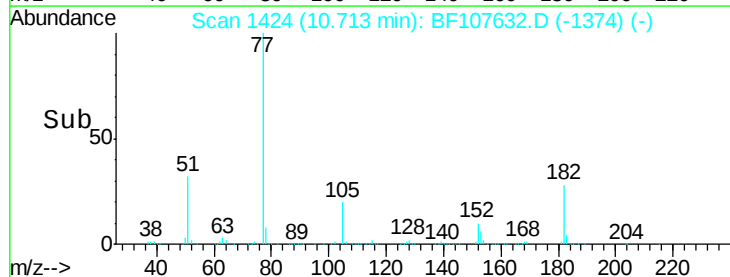
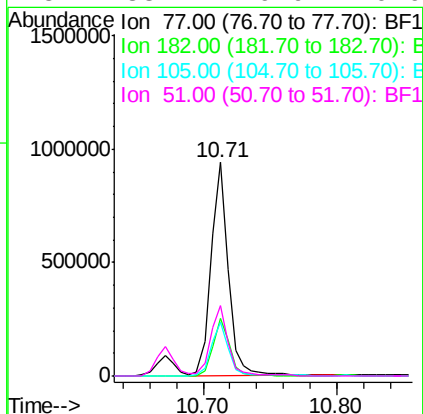
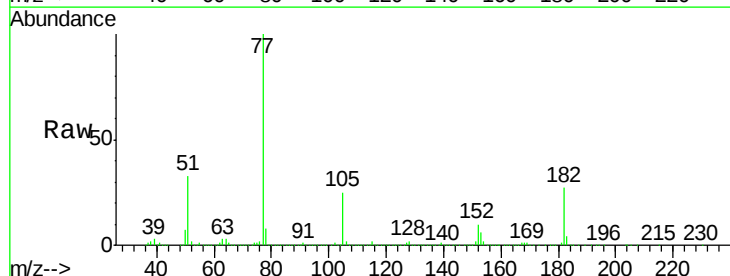
Instrument :
BNA_F
ClientSampleId :
GL-TOPSOIL-03MSD

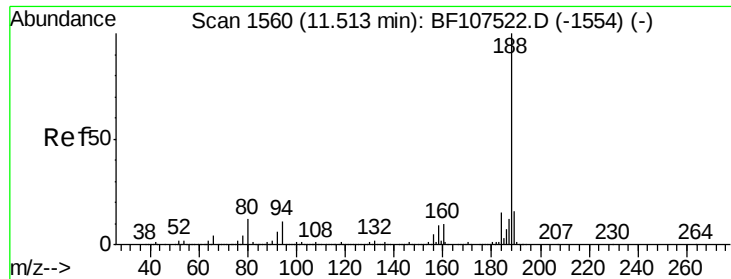
Tgt Ion: 138 Resp: 249809
Ion Ratio Lower Upper
138 100
92 49.1 30.2 70.2
108 67.3 52.5 92.5



#62
Azobenzene
Concen: 32.061 ng
RT: 10.71 min Scan# 1424
Delta R.T. -0.01 min
Lab File: BF107632.D
Acq: 24 Jul 2018 21:13

Tgt Ion: 77 Resp: 850095
Ion Ratio Lower Upper
77 100
182 26.9 1.7 41.7
105 25.4 3.0 43.0
51 33.2 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: BF107632.D

Acq: 24 Jul 2018 21:13

Instrument :

BNA_F

ClientSampleId :

GL-TOPSOIL-03MSD

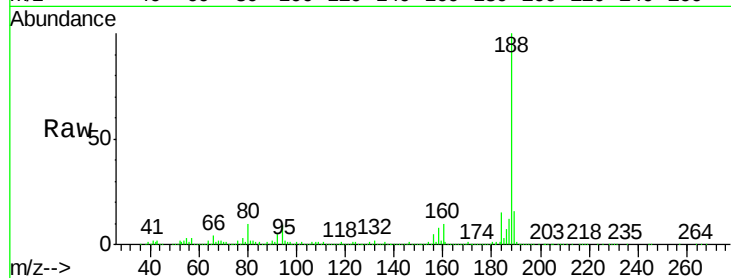
Tgt Ion:188 Resp: 609118

Ion Ratio Lower Upper

188 100

94 9.5 8.5 12.7

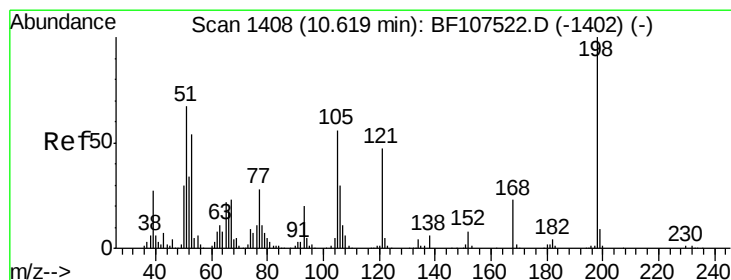
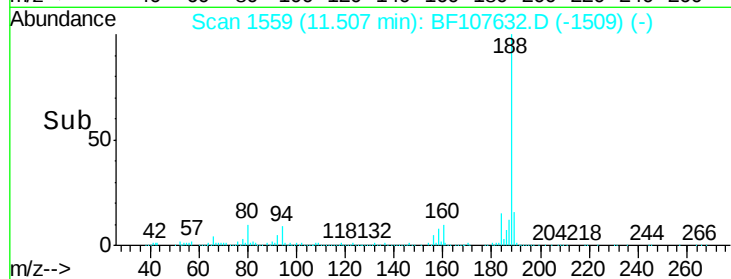
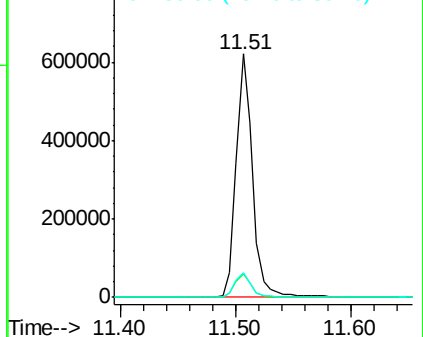
80 10.4 9.2 13.8



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#64

4,6-Dinitro-2-methylphenol

Concen: 11.467 ng

RT: 10.61 min Scan# 1407

Delta R.T. -0.01 min

Lab File: BF107632.D

Acq: 24 Jul 2018 21:13

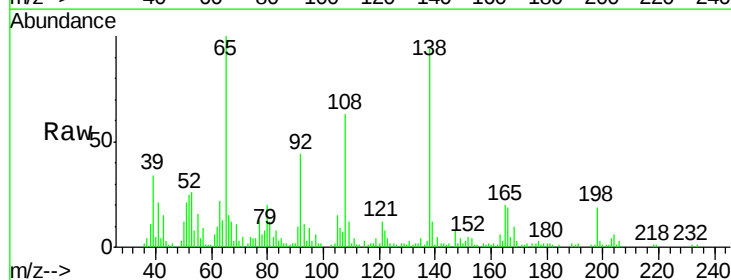
Tgt Ion:198 Resp: 10003

Ion Ratio Lower Upper

198 100

51 105.2 37.7 77.7#

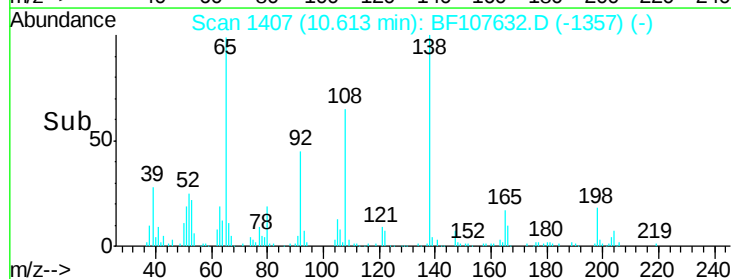
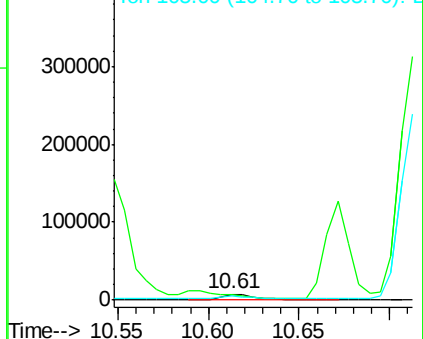
105 79.2 36.3 76.3#

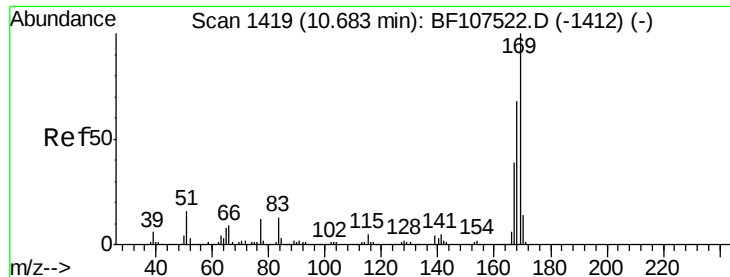


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

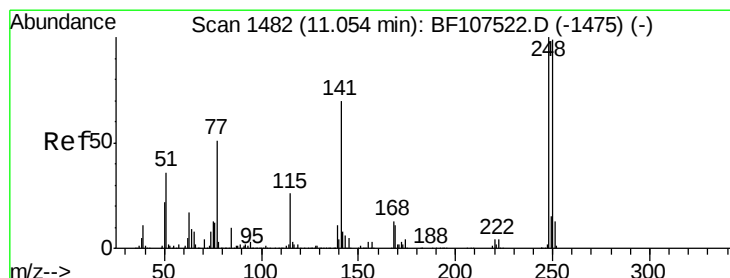
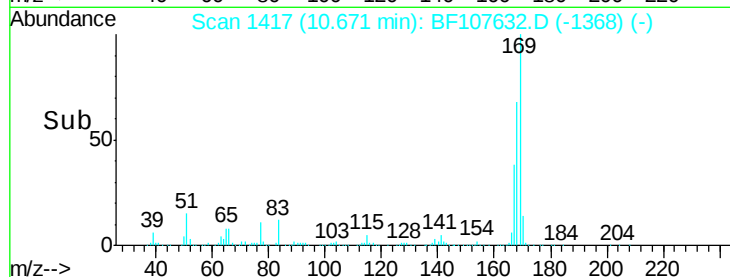
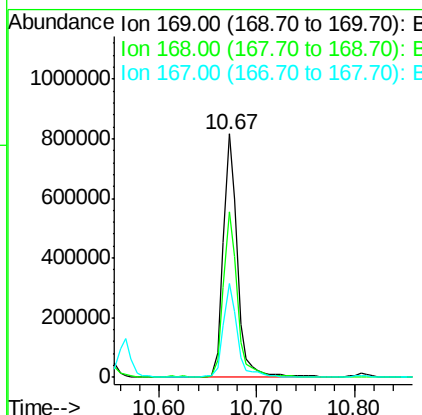
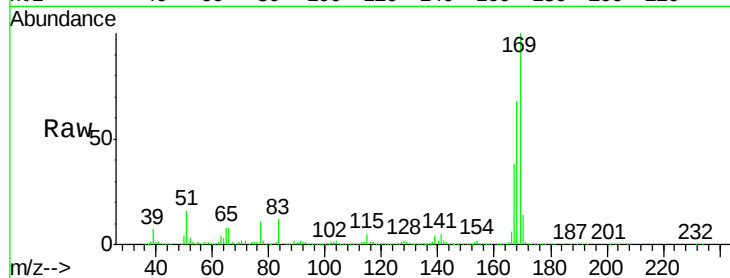




#65
n-Nitrosodiphenylamine
Concen: 39.692 ng
RT: 10.67 min Scan# 1417
Delta R.T. -0.01 min
Lab File: BF107632.D
Acq: 24 Jul 2018 21:13

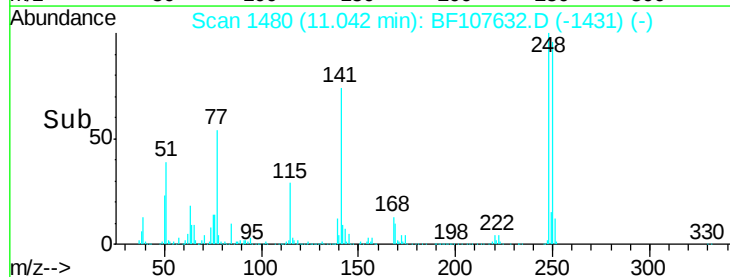
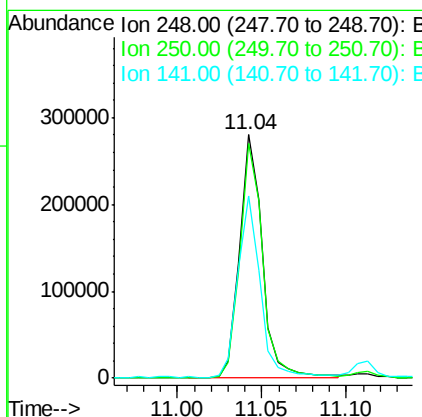
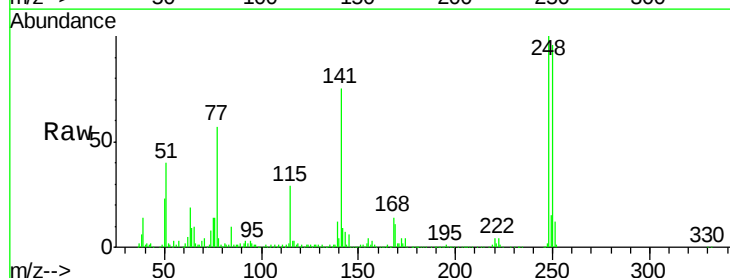
Instrument :
BNA_F
ClientSampleId :
GL-TOPSOIL-03MSD

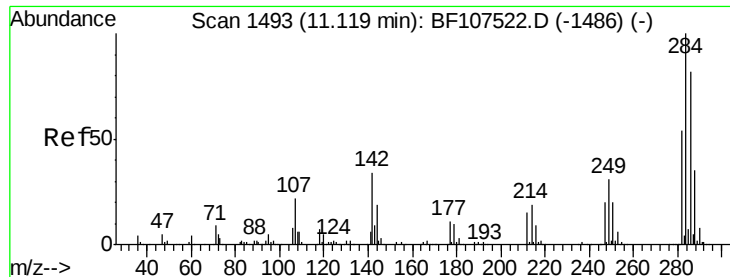
Tgt Ion:169 Resp: 821108
Ion Ratio Lower Upper
169 100
168 68.0 54.4 81.6
167 38.3 29.8 44.6



#66
4-Bromophenyl-phenylether
Concen: 36.800 ng
RT: 11.04 min Scan# 1480
Delta R.T. -0.01 min
Lab File: BF107632.D
Acq: 24 Jul 2018 21:13

Tgt Ion:248 Resp: 263871
Ion Ratio Lower Upper
248 100
250 96.3 76.9 115.3
141 74.6 74.4 111.6

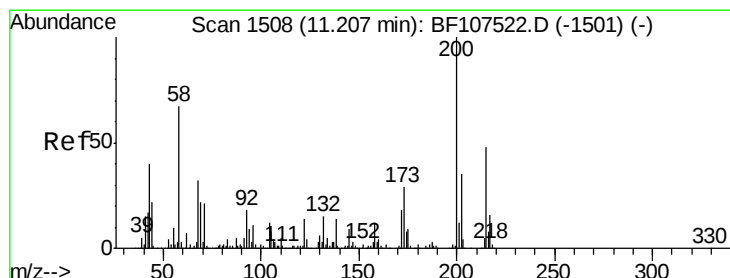
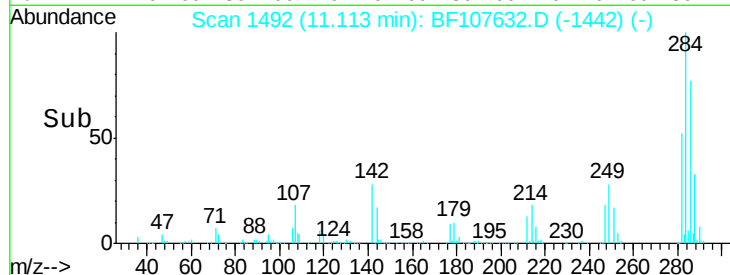
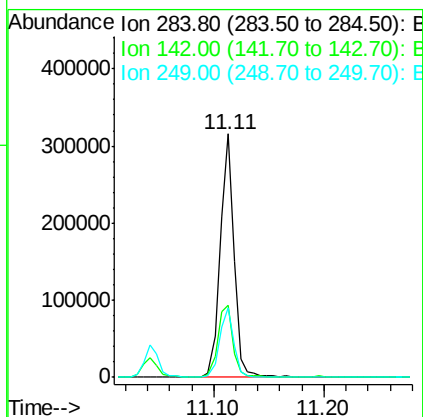
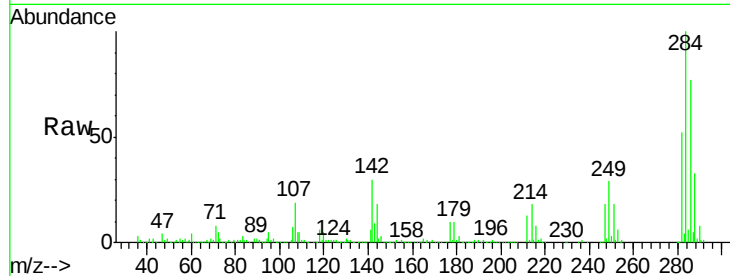




#67
Hexachlorobenzene
Concen: 35.069 ng
RT: 11.11 min Scan# 1492
Delta R.T. -0.01 min
Lab File: BF107632.D
Acq: 24 Jul 2018 21:13

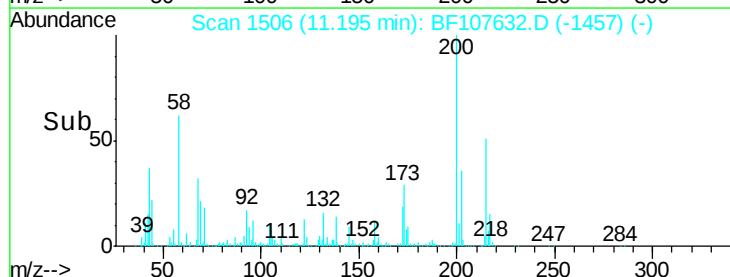
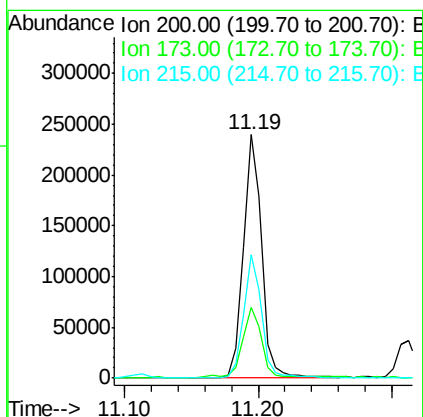
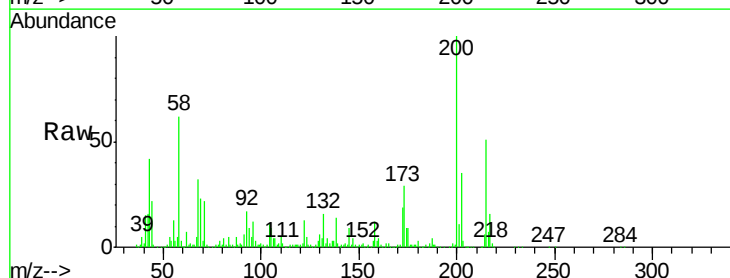
Instrument :
BNA_F
ClientSampleId :
GL-TOPSOIL-03MSD

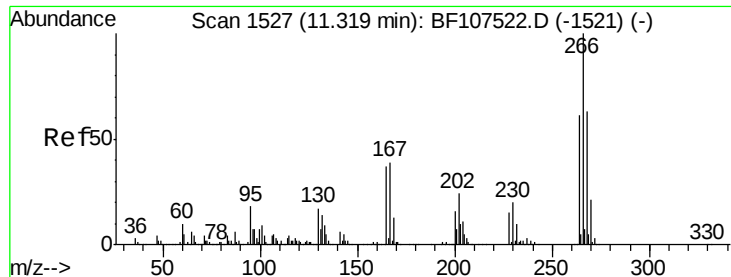
Tgt Ion: 284 Resp: 276678
Ion Ratio Lower Upper
284 100
142 29.8 34.6 52.0#
249 28.8 24.8 37.2



#68
Atrazine
Concen: 36.187 ng
RT: 11.19 min Scan# 1506
Delta R.T. -0.01 min
Lab File: BF107632.D
Acq: 24 Jul 2018 21:13

Tgt Ion: 200 Resp: 228563
Ion Ratio Lower Upper
200 100
173 29.0 8.6 48.6
215 50.8 25.1 65.1

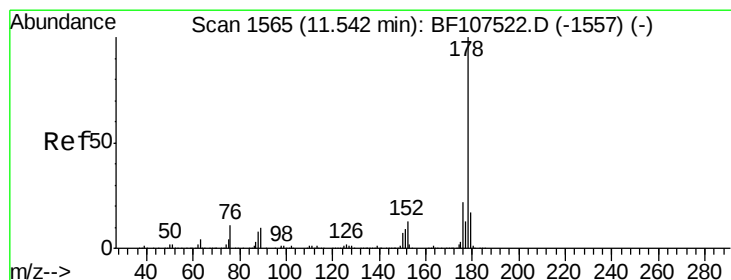
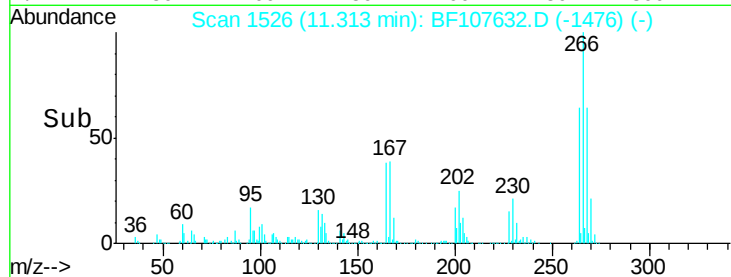
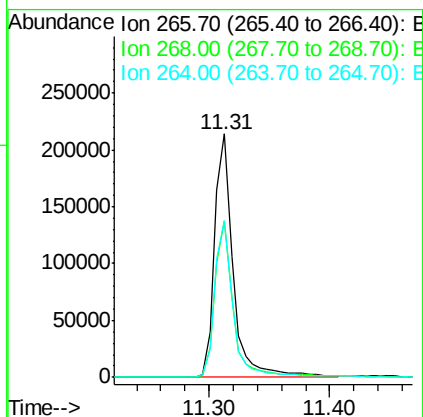
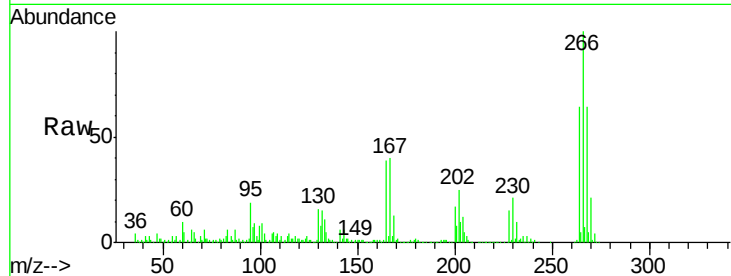




#69
 Pentachlorophenol
 Concen: 46.048 ng
 RT: 11.31 min Scan# 1526
 Delta R.T. -0.01 min
 Lab File: BF107632.D
 Acq: 24 Jul 2018 21:13

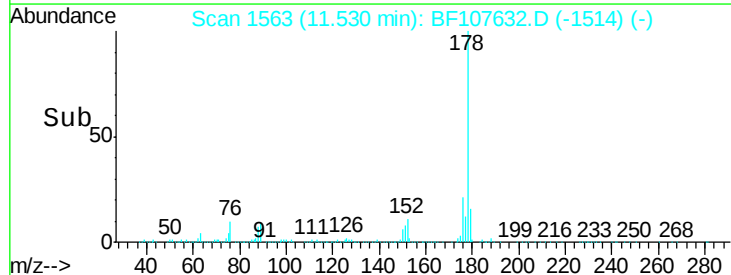
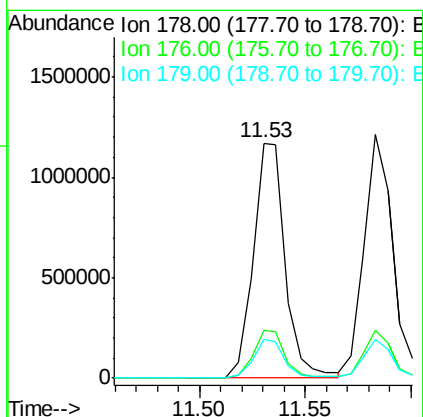
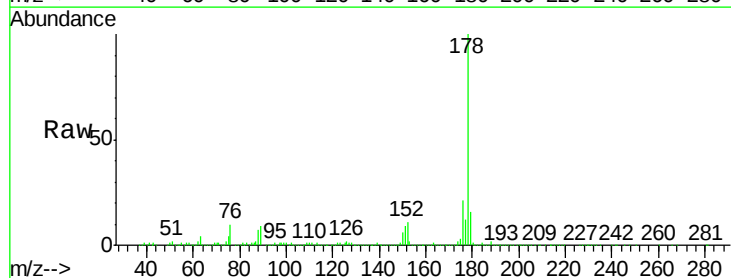
Instrument :
 BNA_F
 ClientSampleId :
 GL-TOPSOIL-03MSD

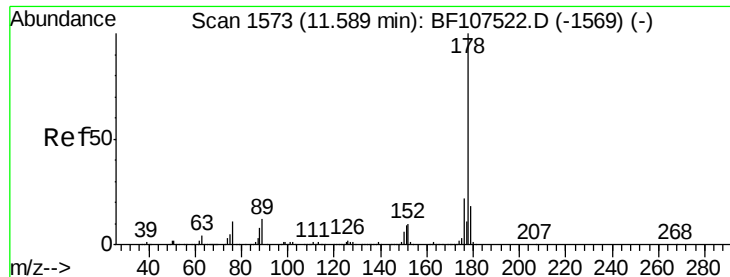
Tgt Ion: 266 Resp: 226922
 Ion Ratio Lower Upper
 266 100
 268 64.1 51.1 76.7
 264 64.5 49.5 74.3



#70
 Phenanthrene
 Concen: 41.222 ng
 RT: 11.53 min Scan# 1563
 Delta R.T. -0.01 min
 Lab File: BF107632.D
 Acq: 24 Jul 2018 21:13

Tgt Ion: 178 Resp: 1223563
 Ion Ratio Lower Upper
 178 100
 176 20.6 15.8 23.8
 179 16.4 13.0 19.6

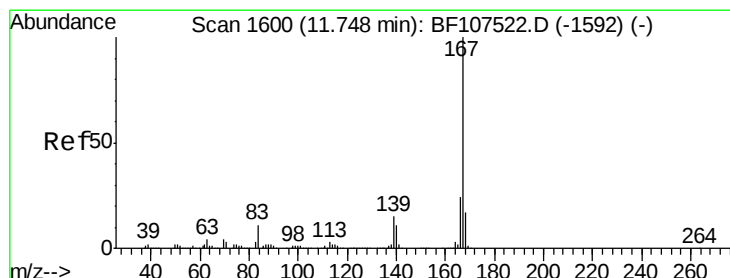
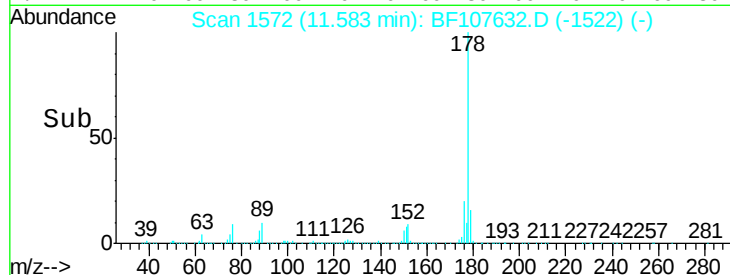
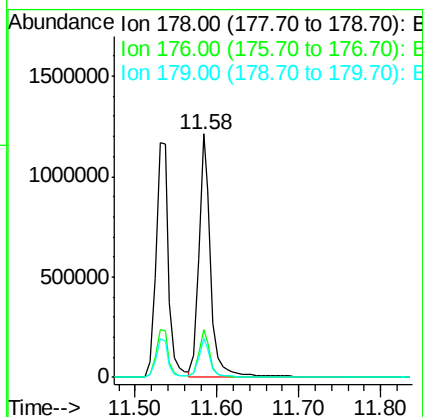
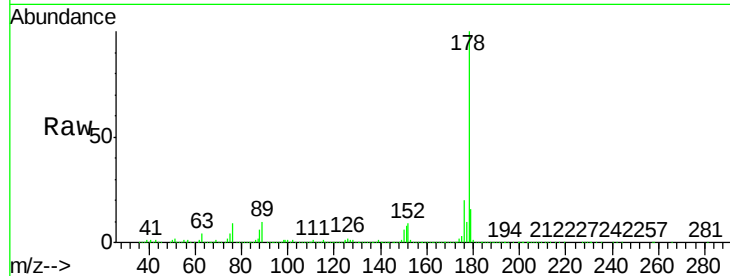




#71
 Anthracene
 Concen: 40.520 ng
 RT: 11.58 min Scan# 1572
 Delta R.T. -0.01 min
 Lab File: BF107632.D
 Acq: 24 Jul 2018 21:13

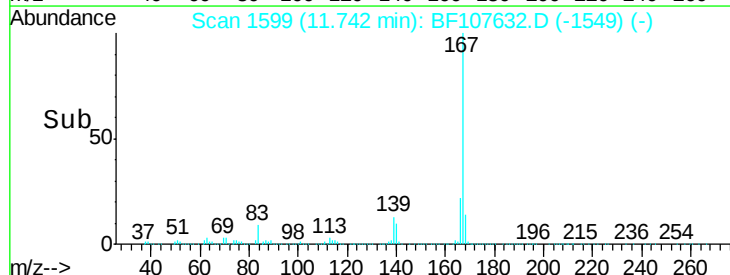
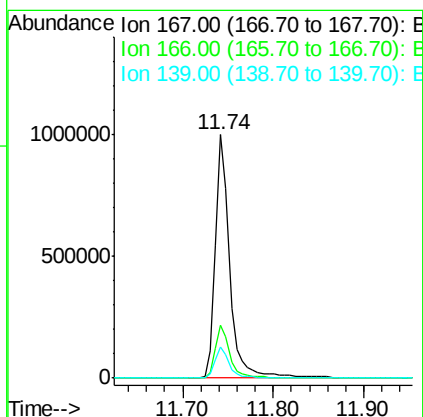
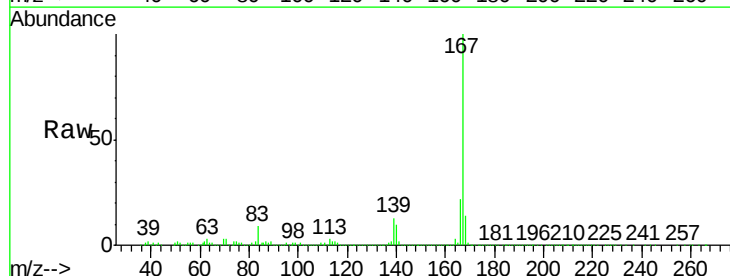
Instrument :
 BNA_F
 ClientSampleId :
 GL-TOPSOIL-03MSD

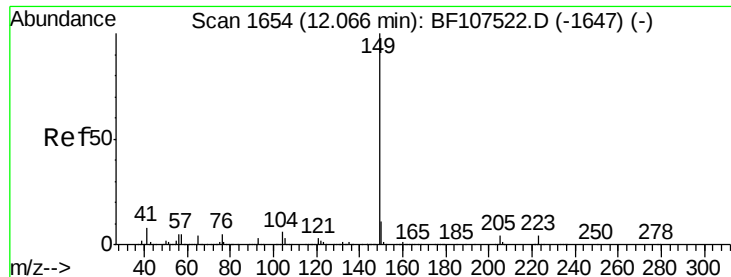
Tgt Ion:178 Resp: 1210977
 Ion Ratio Lower Upper
 178 100
 176 19.6 15.4 23.2
 179 15.9 12.6 19.0



#72
 Carbazole
 Concen: 35.598 ng
 RT: 11.74 min Scan# 1599
 Delta R.T. -0.01 min
 Lab File: BF107632.D
 Acq: 24 Jul 2018 21:13

Tgt Ion:167 Resp: 1106295
 Ion Ratio Lower Upper
 167 100
 166 21.7 17.6 26.4
 139 12.6 10.9 16.3





#73

Di-n-butylphthalate

Concen: 40.438 ng

RT: 12.05 min Scan# 1652

Delta R.T. -0.01 min

Lab File: BF107632.D

Acq: 24 Jul 2018 21:13

Instrument :

BNA_F

ClientSampleId :

GL-TOPSOIL-03MSD

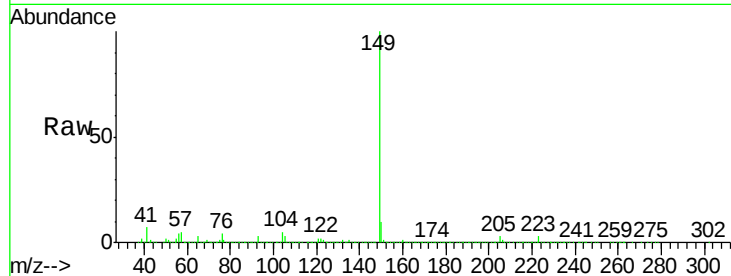
Tgt Ion:149 Resp: 1332399

Ion Ratio Lower Upper

149 100

150 9.9 7.8 11.6

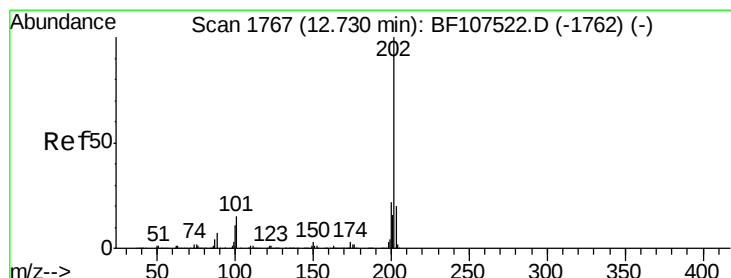
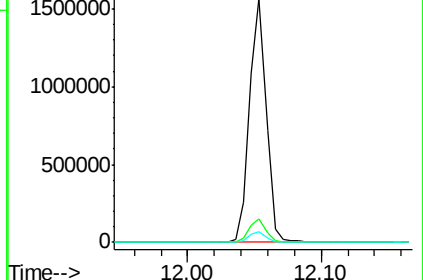
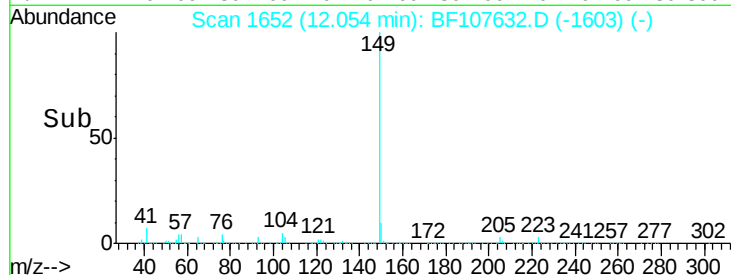
104 4.6 3.8 5.8



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: 43.785 ng

RT: 12.72 min Scan# 1766

Delta R.T. -0.01 min

Lab File: BF107632.D

Acq: 24 Jul 2018 21:13

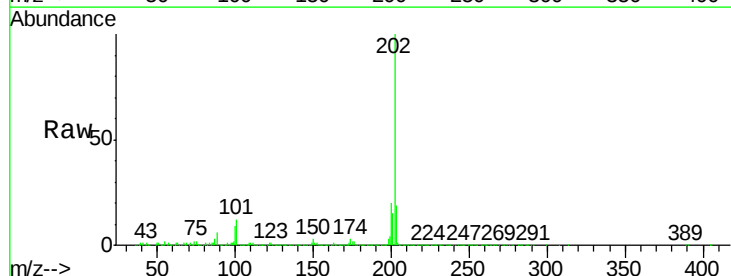
Tgt Ion:202 Resp: 1394610

Ion Ratio Lower Upper

202 100

101 12.2 0.0 34.1

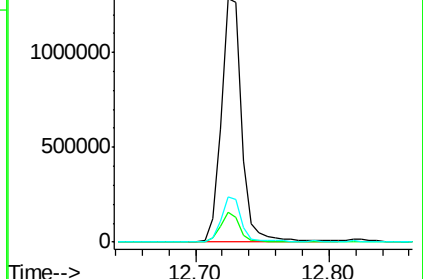
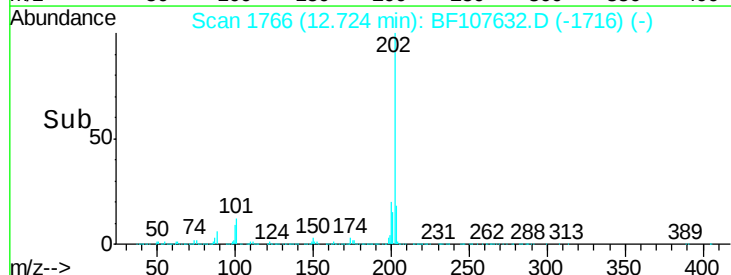
203 18.5 0.0 38.1

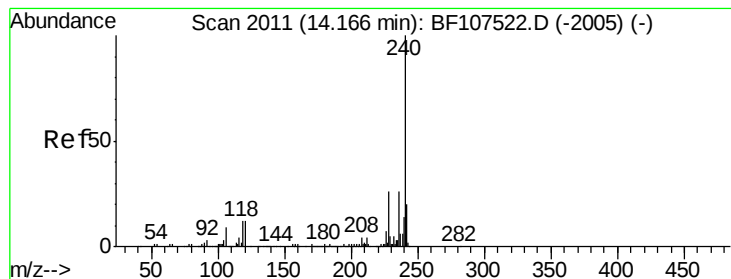


Abundance Ion 202.00 (201.70 to 202.70): E

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: BF107632.D

Acq: 24 Jul 2018 21:13

Instrument :

BNA_F

ClientSampleId :

GL-TOPSOIL-03MSD

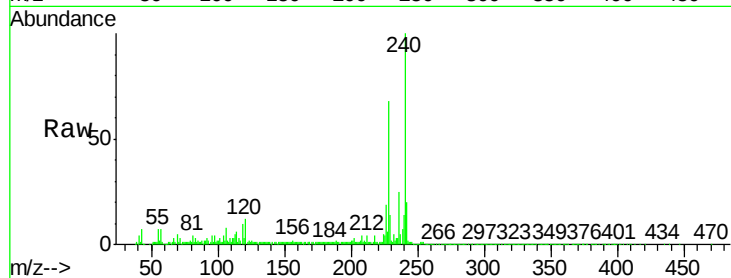
Tgt Ion:240 Resp: 415467

Ion Ratio Lower Upper

240 100

120 11.7 9.5 14.3

236 25.5 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

600000

500000

400000

300000

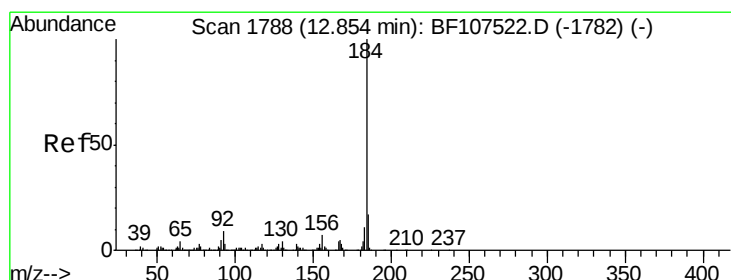
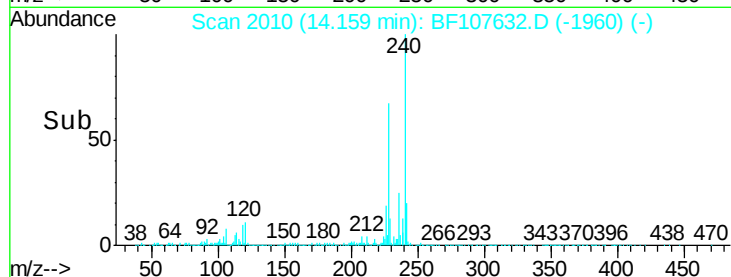
200000

100000

0

14.10 14.20 14.30

Time-->



#76

Benzidine

Concen: 2.933 ng

RT: 12.86 min Scan# 1789

Delta R.T. 0.01 min

Lab File: BF107632.D

Acq: 24 Jul 2018 21:13

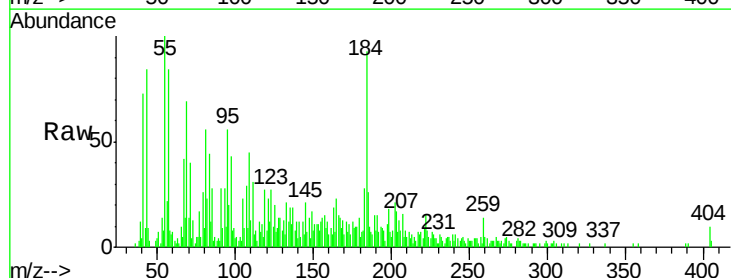
Tgt Ion:184 Resp: 35096

Ion Ratio Lower Upper

184 100

185 28.6 12.6 18.8#

183 30.2 9.3 13.9#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

20000

15000

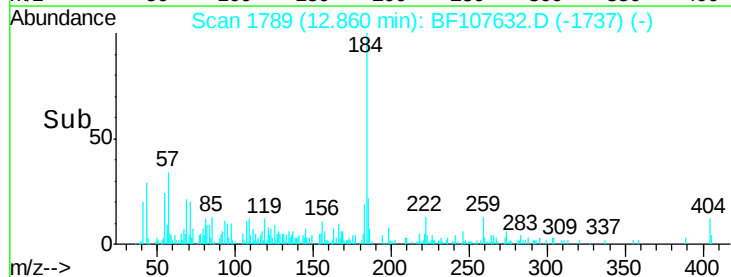
10000

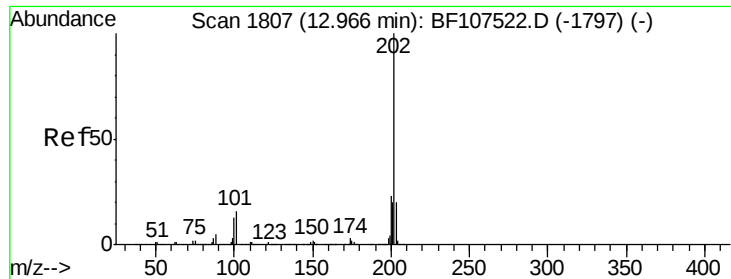
5000

0

12.80 12.90 13.00

Time-->





#77

Pyrene

Concen: 48.083 ng

RT: 12.96 min Scan# 1806

Delta R.T. -0.01 min

Lab File: BF107632.D

Acq: 24 Jul 2018 21:13

Instrument :

BNA_F

ClientSampleId :

GL-TOPSOIL-03MSD

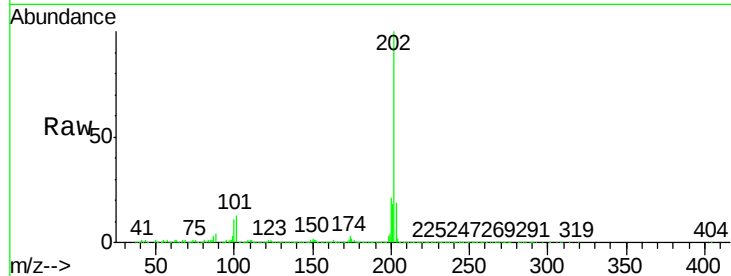
Tgt Ion:202 Resp: 1366455

Ion Ratio Lower Upper

202 100

200 20.9 17.4 26.2

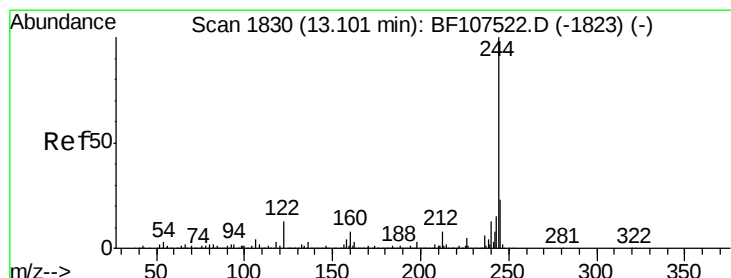
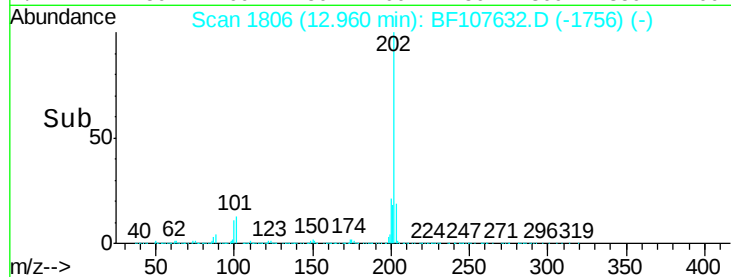
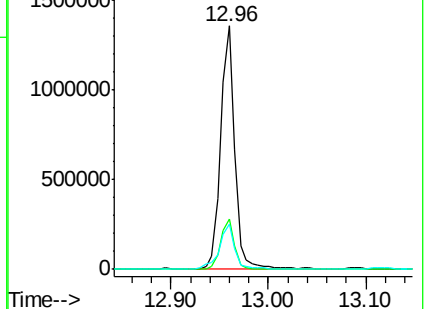
203 18.7 14.3 21.5



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: 89.959 ng

RT: 13.09 min Scan# 1828

Delta R.T. -0.01 min

Lab File: BF107632.D

Acq: 24 Jul 2018 21:13

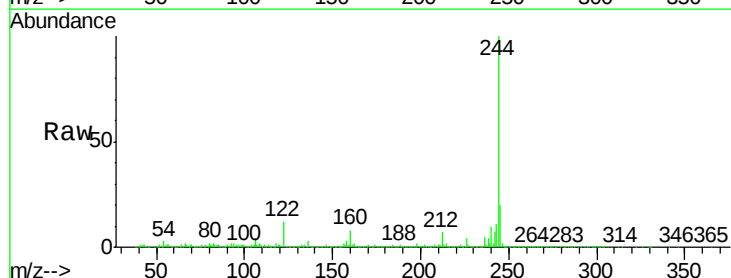
Tgt Ion:244 Resp: 1459909

Ion Ratio Lower Upper

244 100

212 7.2 5.4 8.0

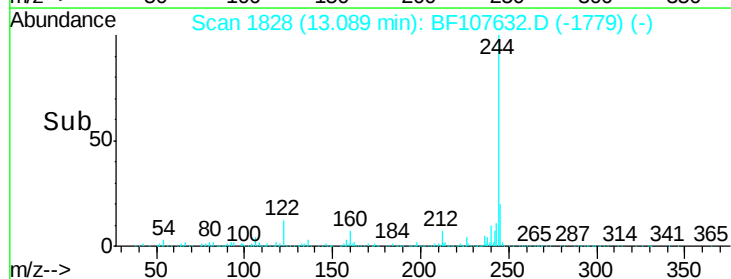
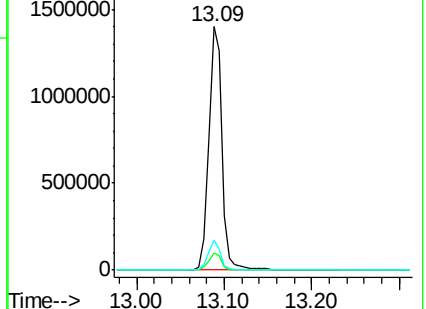
122 12.1 11.0 16.4

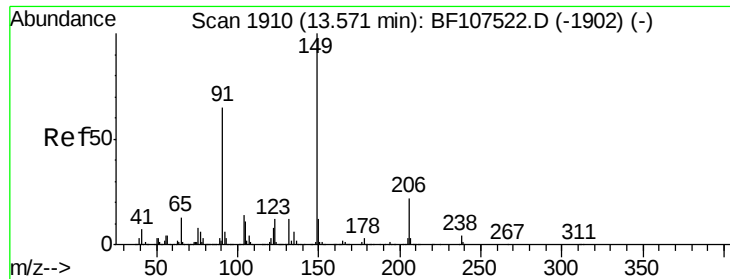


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

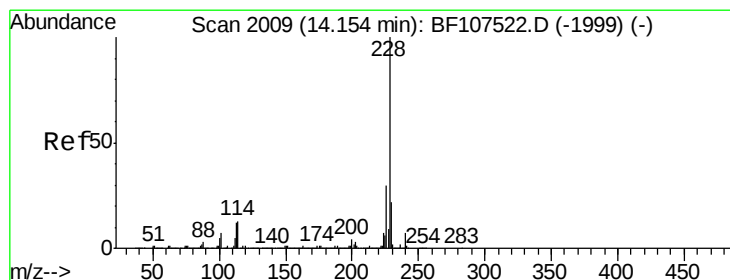
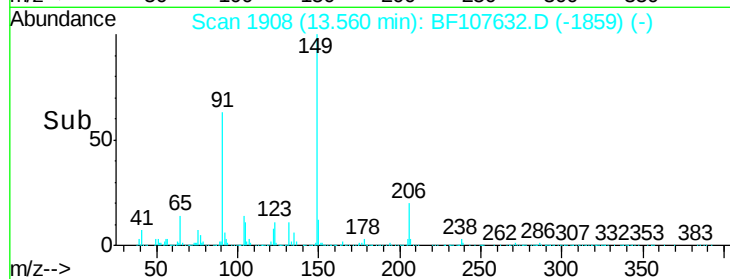
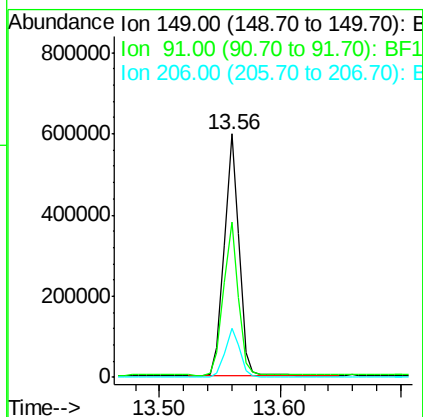
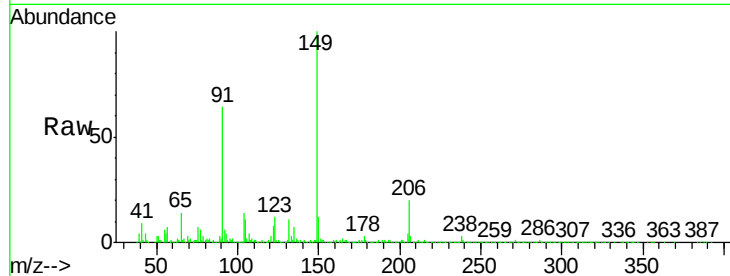




#79
Butylbenzylphthalate
Concen: 41.484 ng
RT: 13.56 min Scan# 1908
Delta R.T. -0.01 min
Lab File: BF107632.D
Acq: 24 Jul 2018 21:13

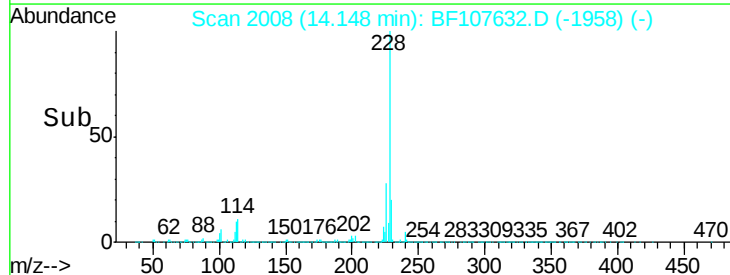
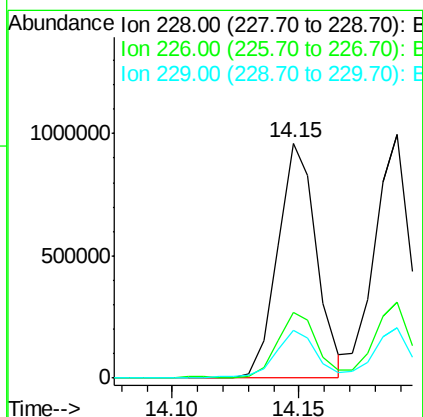
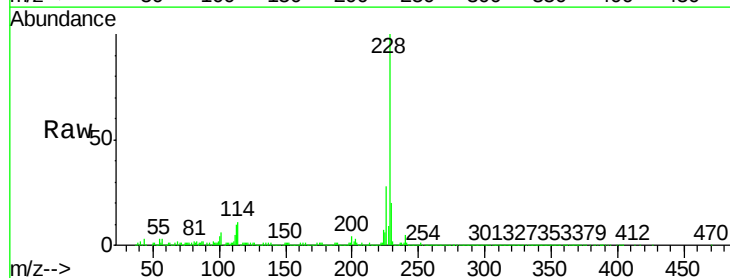
Instrument :
BNA_F
ClientSampleId :
GL-TOPSOIL-03MSD

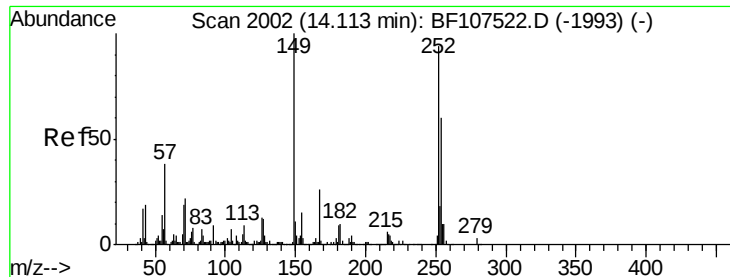
Tgt Ion	Ratio	Lower	Upper
149	100		
91	63.6	56.8	85.2
206	20.3	14.1	21.1



#80
Benzo(a)anthracene
Concen: 41.916 ng
RT: 14.15 min Scan# 2008
Delta R.T. -0.01 min
Lab File: BF107632.D
Acq: 24 Jul 2018 21:13

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.2	22.6	33.8
229	20.2	15.8	23.6

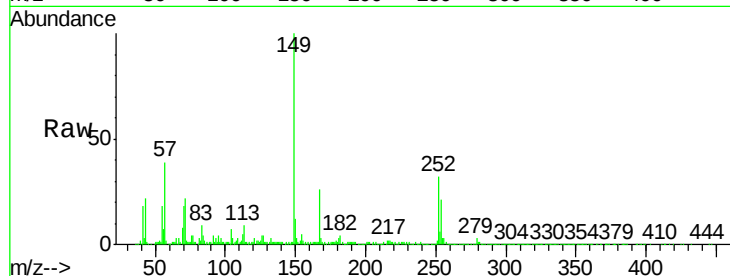




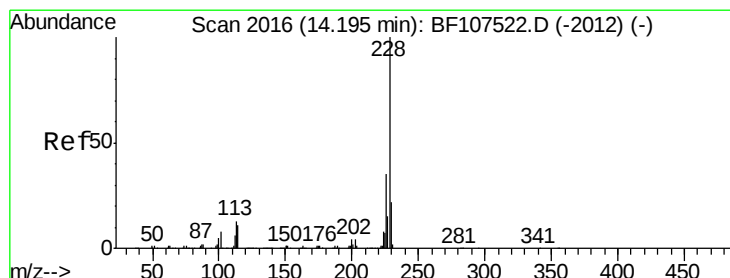
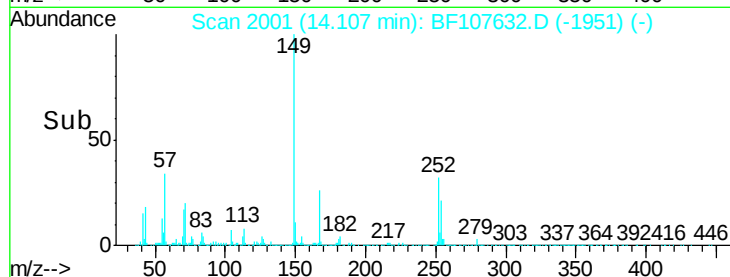
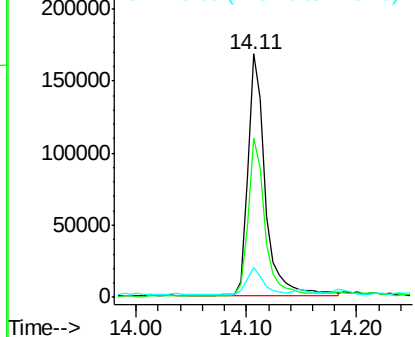
#81
 3,3'-Dichlorobenzidine
 Concen: 22.506 ng
 RT: 14.11 min Scan# 2001
 Delta R.T. -0.01 min
 Lab File: BF107632.D
 Acq: 24 Jul 2018 21:13

Instrument :
 BNA_F
 ClientSampleId :
 GL-TOPSOIL-03MSD

Tgt Ion:252 Resp: 188281
 Ion Ratio Lower Upper
 252 100
 254 65.1 50.4 75.6
 126 12.0 11.3 16.9

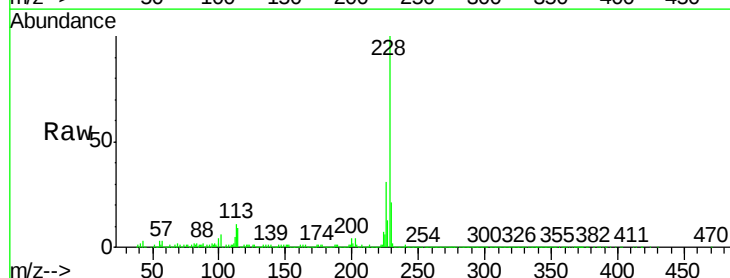


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

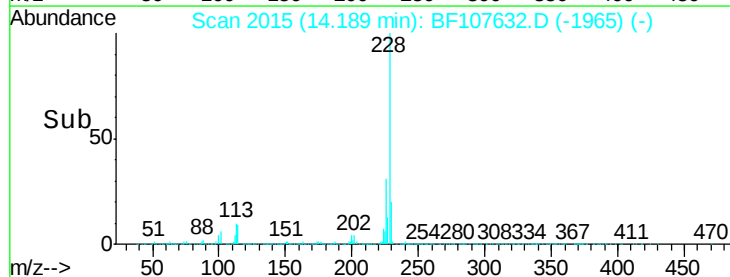
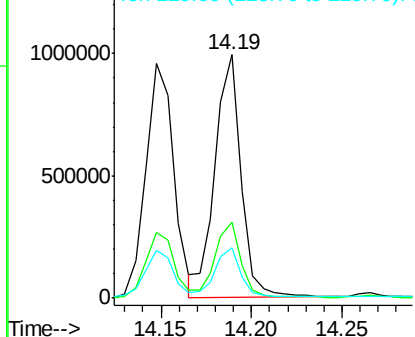


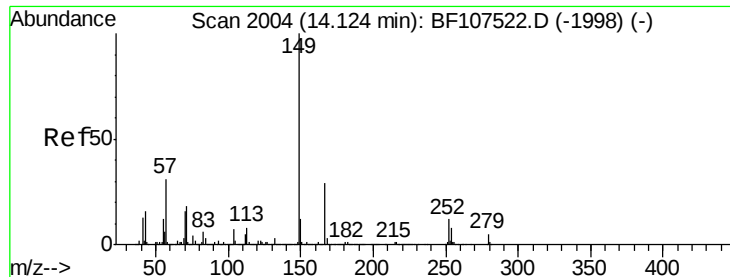
#82
 Chrysene
 Concen: 42.381 ng
 RT: 14.19 min Scan# 2015
 Delta R.T. -0.01 min
 Lab File: BF107632.D
 Acq: 24 Jul 2018 21:13

Tgt Ion:228 Resp: 991207
 Ion Ratio Lower Upper
 228 100
 226 31.1 25.0 37.6
 229 20.6 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: 39.651 ng

RT: 14.11 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BF107632.D

Acq: 24 Jul 2018 21:13

Instrument :

BNA_F

ClientSampleId :

GL-TOPSOIL-03MSD

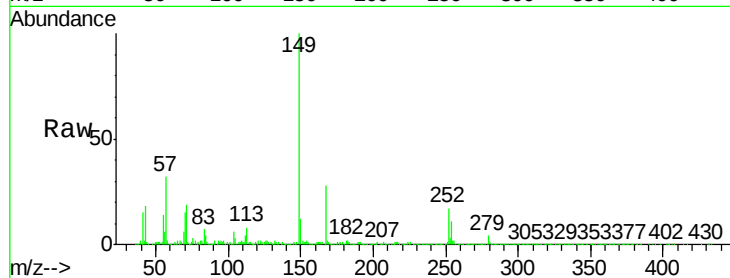
Tgt Ion:149 Resp: 683754

Ion Ratio Lower Upper

149 100

167 27.5 21.3 31.9

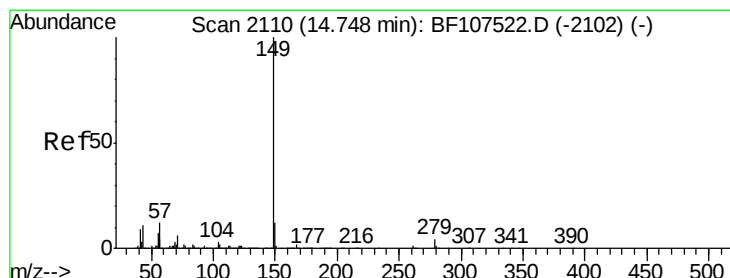
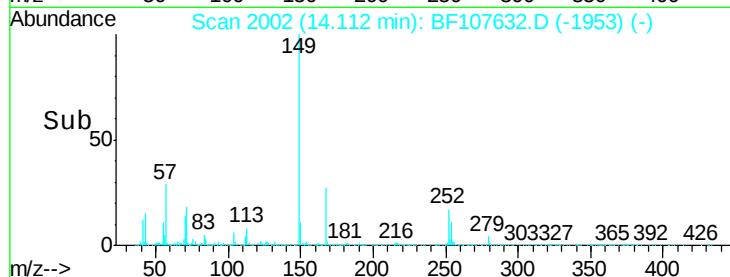
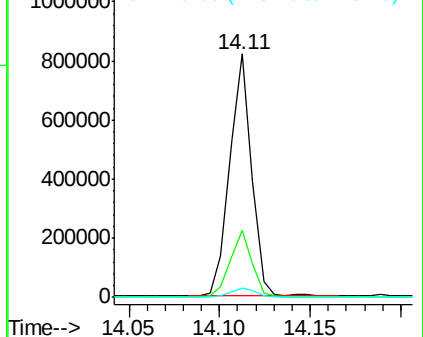
279 4.1 3.0 4.4



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: 40.741 ng

RT: 14.74 min Scan# 2108

Delta R.T. -0.01 min

Lab File: BF107632.D

Acq: 24 Jul 2018 21:13

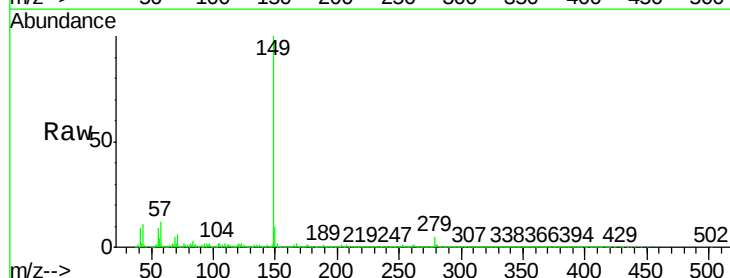
Tgt Ion:149 Resp: 1092037

Ion Ratio Lower Upper

149 100

167 1.6 1.2 1.8

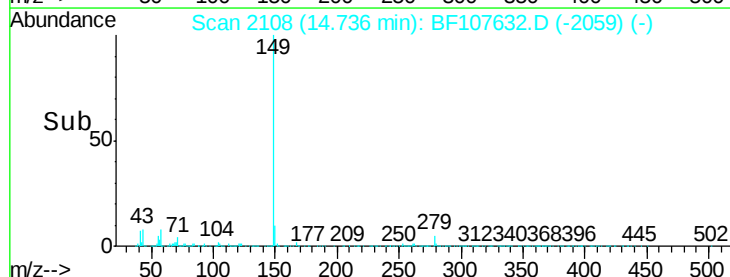
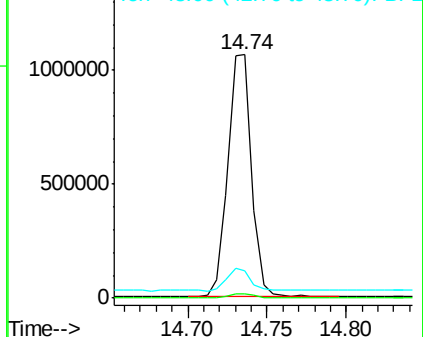
43 8.8 8.4 12.6

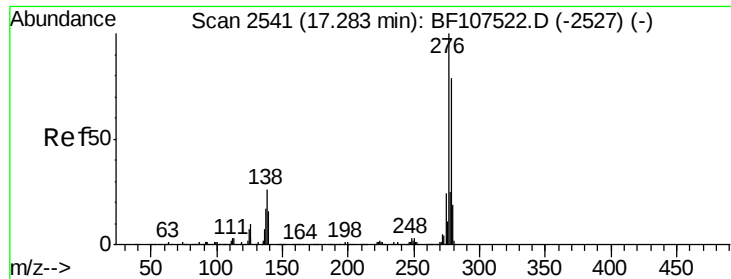


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1

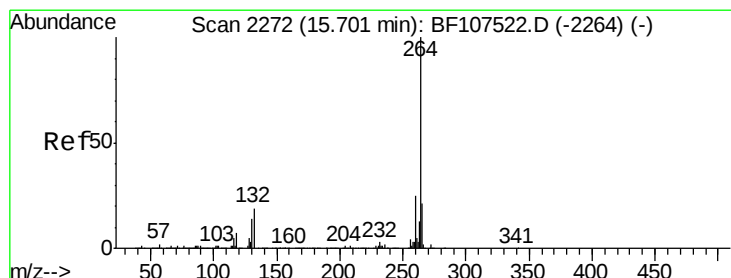
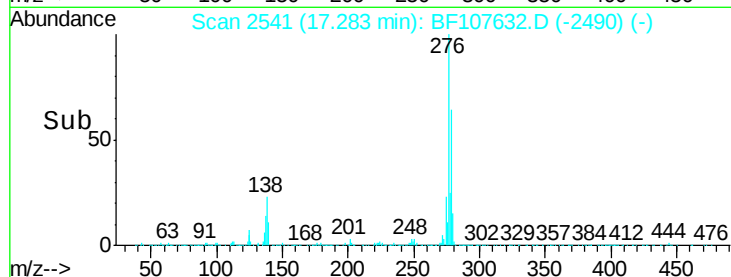
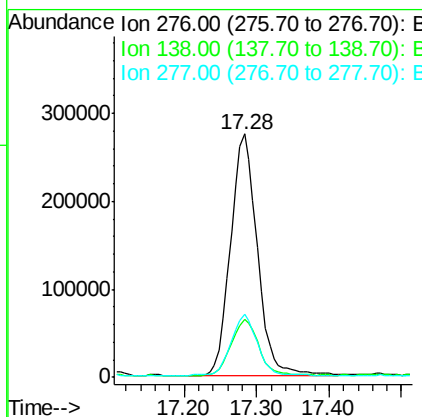
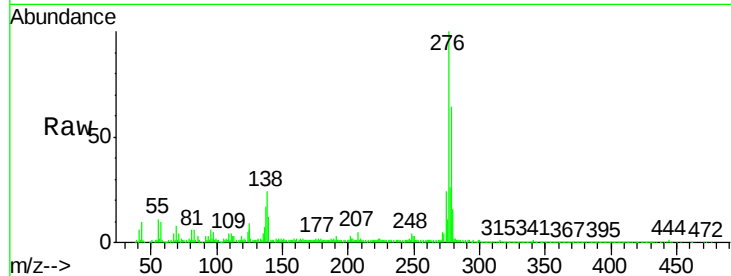




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 35.721 ng
 RT: 17.28 min Scan# 2541
 Delta R.T. -0.00 min
 Lab File: BF107632.D
 Acq: 24 Jul 2018 21:13

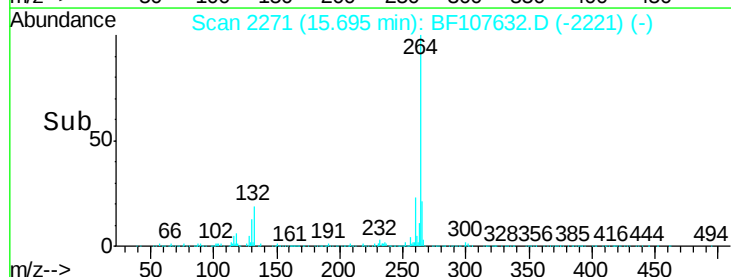
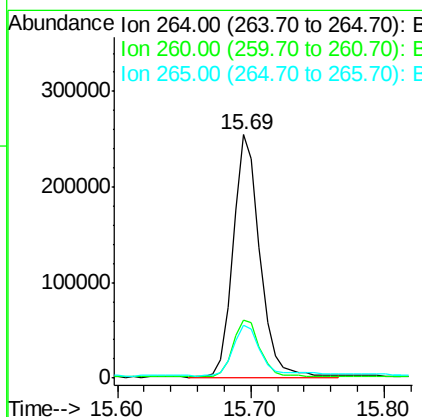
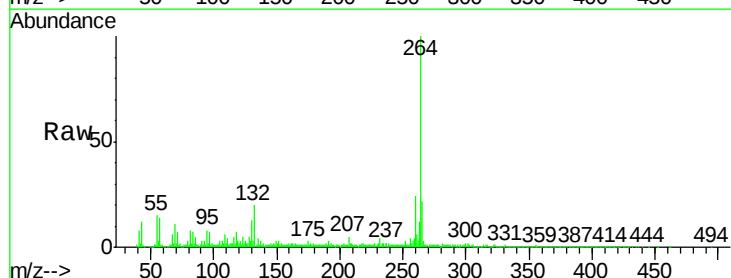
Instrument :
 BNA_F
 ClientSampleId :
 GL-TOPSOIL-03MSD

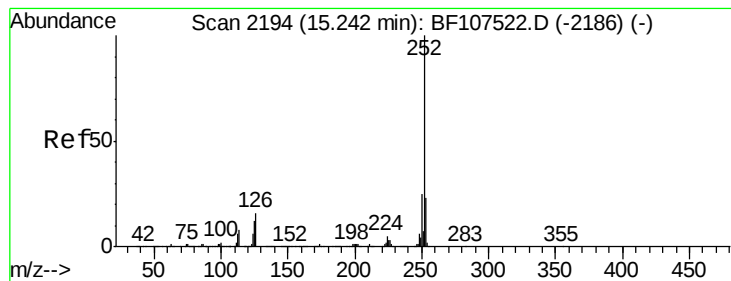
Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.7	25.0	37.6#
277	23.9	20.1	30.1



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.69 min Scan# 2271
 Delta R.T. -0.01 min
 Lab File: BF107632.D
 Acq: 24 Jul 2018 21:13

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.2	28.8
265	21.9	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 45.783 ng

RT: 15.24 min Scan# 2193

Delta R.T. -0.01 min

Lab File: BF107632.D

Acq: 24 Jul 2018 21:13

Instrument :

BNA_F

ClientSampleId :

GL-TOPSOIL-03MSD

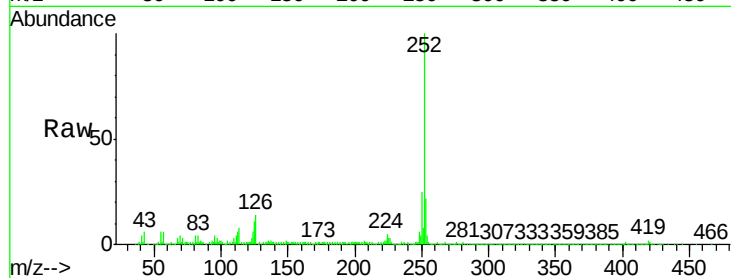
Tgt Ion:252 Resp: 886380

Ion Ratio Lower Upper

252 100

253 22.5 17.0 25.6

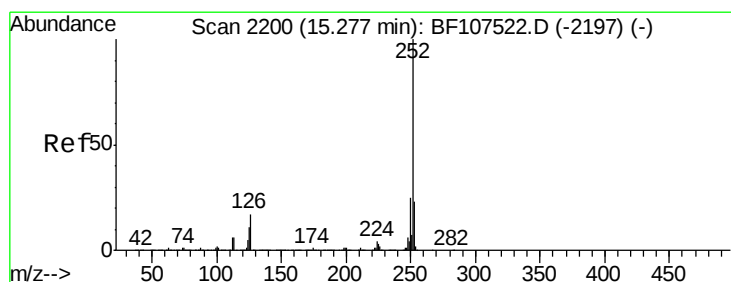
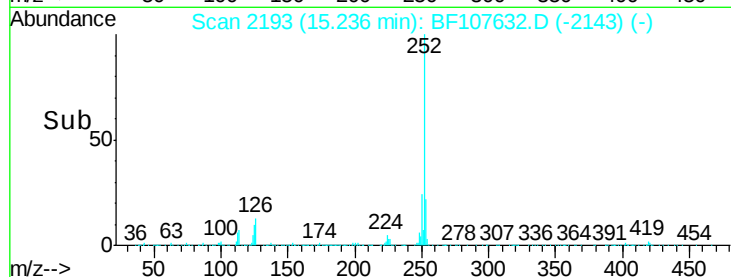
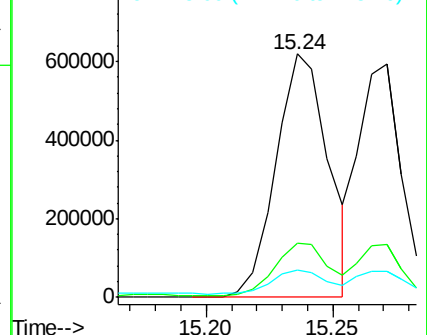
125 11.3 9.0 13.6



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



#88

Benzo(k)fluoranthene

Concen: 38.161 ng

RT: 15.27 min Scan# 2199

Delta R.T. -0.01 min

Lab File: BF107632.D

Acq: 24 Jul 2018 21:13

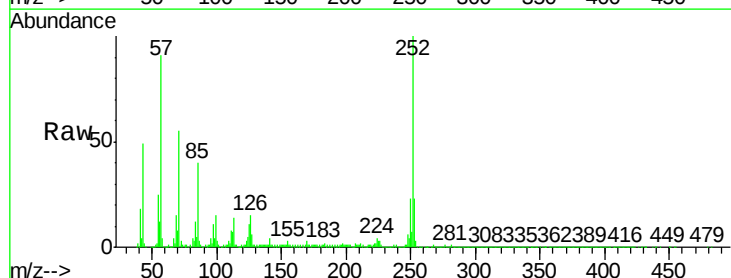
Tgt Ion:252 Resp: 723837

Ion Ratio Lower Upper

252 100

253 22.6 17.9 26.9

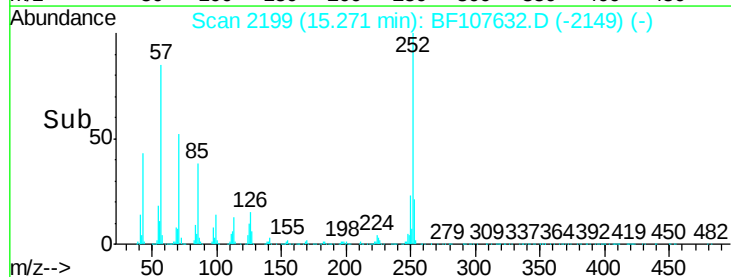
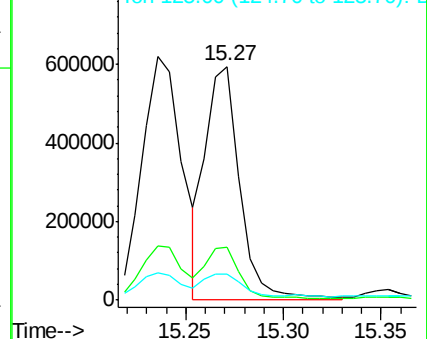
125 11.3 10.2 15.2

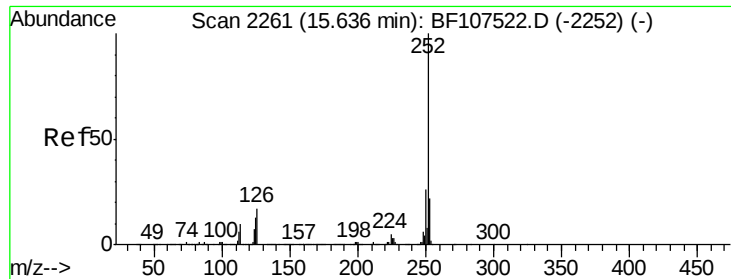


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

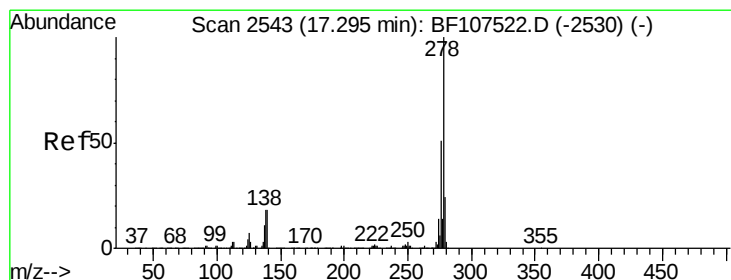
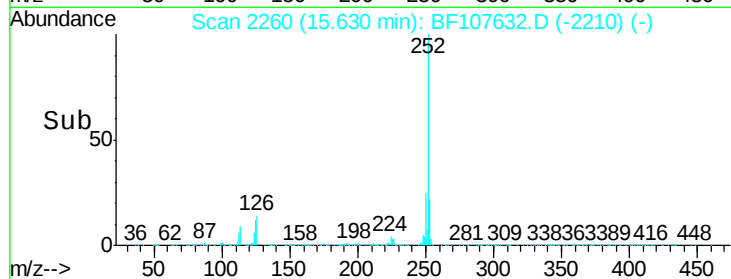
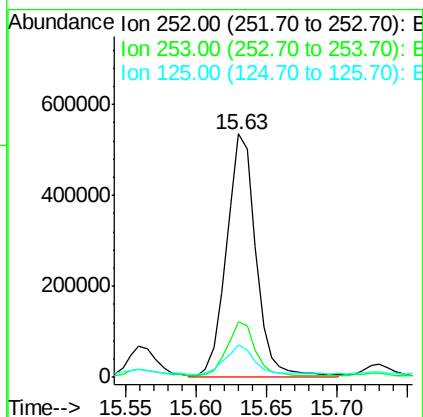
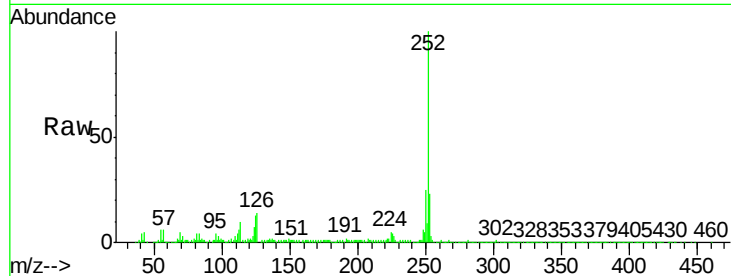




#89
Benzo(a)pyrene
Concen: 43.442 ng
RT: 15.63 min Scan# 2260
Delta R.T. -0.01 min
Lab File: BF107632.D
Acq: 24 Jul 2018 21:13

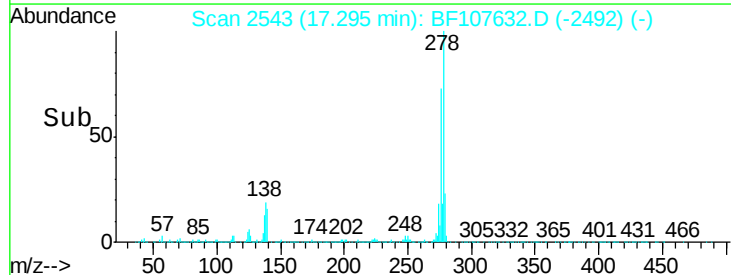
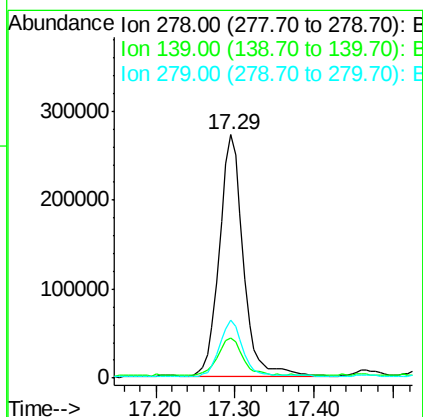
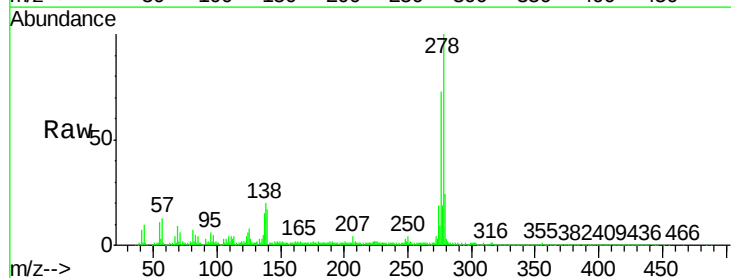
Instrument :
BNA_F
ClientSampleId :
GL-TOPSOIL-03MSD

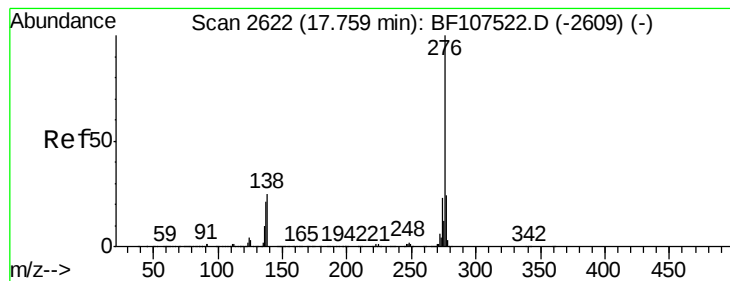
Tgt Ion:252 Resp: 769344
Ion Ratio Lower Upper
252 100
253 22.9 17.1 25.7
125 13.2 9.8 14.6



#90
Dibenzo(a,h)anthracene
Concen: 37.361 ng
RT: 17.29 min Scan# 2543
Delta R.T. -0.00 min
Lab File: BF107632.D
Acq: 24 Jul 2018 21:13

Tgt Ion:278 Resp: 571952
Ion Ratio Lower Upper
278 100
139 16.6 15.9 23.9
279 23.9 19.0 28.4





#91

Benzo(g,h,i)perylene

Concen: 38.487 ng

RT: 17.77 min Scan# 2623

Delta R.T. 0.01 min

Lab File: BF107632.D

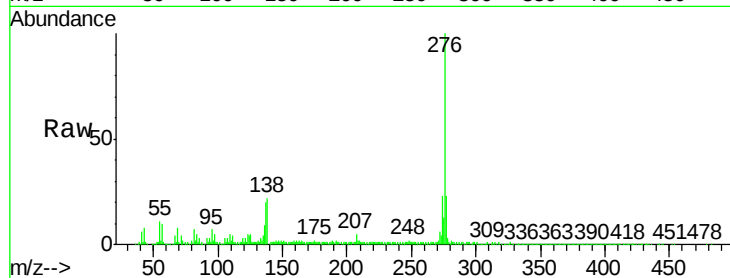
Acq: 24 Jul 2018 21:13

Instrument :

BNA_F

ClientSampleId :

GL-TOPSOIL-03MSD



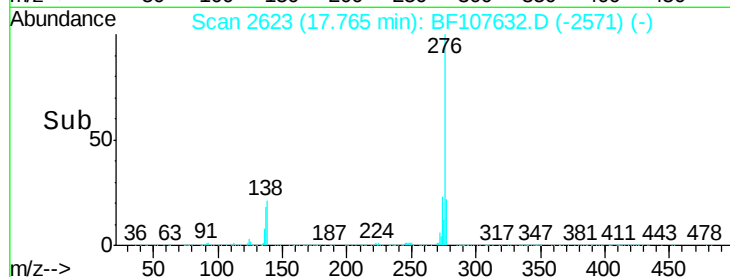
Tgt Ion: 276 Resp: 581167

Ion Ratio Lower Upper

276 100

277 23.2 17.9 26.9

138 21.8 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

