

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081517\
 Data File : BF097698.D
 Acq On : 15 Aug 2017 18:34
 Operator : SJ/JU
 Sample : I4754-01MS
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TOPSOIL-MATERIAL-COMPMS

Quant Time: Aug 16 03:52:49 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 15 13:25:08 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	132046	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	552162	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	250914	20.00	ng	0.00
63) Phenanthrene-d10	11.30	188	487724	20.00	ng	0.00
75) Chrysene-d12	13.94	240	288994	20.00	ng	0.00
86) Perylene-d12	15.36	264	264661	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.39	112	859827	99.05	ng	0.00
7) Phenol-d6	6.42	99	1172199	99.38	ng	0.00
23) Nitrobenzene-d5	7.35	82	711859	70.04	ng	0.00
41) 2,4,6-Tribromophenol	10.61	330	223631	102.72	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	960244	56.23	ng	0.00
78) Terphenyl-d14	12.89	244	819729	59.15	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.50	88	121240	25.04	ng	92
3) Pyridine	3.23	79	332030	24.81	ng	87
4) n-Nitrosodimethylamine	3.17	42	152218	29.56	ng	86
6) Aniline	6.45	93	441446	26.64	ng	99
8) 2-Chlorophenol	6.57	128	292389	31.94	ng	99
9) Benzaldehyde	6.33	77	139462	18.67	ng	86
10) Phenol	6.43	94	473769	34.34	ng	91
11) bis(2-Chloroethyl)ether	6.52	93	320063	30.74	ng	97
12) 1,3-Dichlorobenzene	6.72	146	284921	28.93	ng	# 91
13) 1,4-Dichlorobenzene	6.80	146	289510	28.91	ng	95
14) 1,2-Dichlorobenzene	6.96	146	272478	29.50	ng	99
15) Benzyl Alcohol	6.92	79	306797	34.74	ng	94
16) 2,2'-oxybis(1-Chloropropan	7.06	45	437754	31.25	ng	92
17) 2-Methylphenol	7.03	107	266065	32.98	ng	96
18) Hexachloroethane	7.30	117	117710	29.98	ng	# 81
19) n-Nitroso-di-n-propylamine	7.20	70	248097	30.73	ng	# 90
20) 3+4-Methylphenols	7.19	107	327593	33.24	ng	91
22) Acetophenone	7.19	105	440468	30.20	ng	# 89
24) Nitrobenzene	7.36	77	371696	32.84	ng	91
25) Isophorone	7.60	82	674733	31.93	ng	96
26) 2-Nitrophenol	7.68	139	132333	34.00	ng	# 72
27) 2,4-Dimethylphenol	7.72	122	269563	30.58	ng	93
28) bis(2-Chloroethoxy)methane	7.82	93	417928	30.08	ng	98
29) 2,4-Dichlorophenol	7.92	162	232470	31.77	ng	93
30) 1,2,4-Trichlorobenzene	8.01	180	227935	28.10	ng	97
31) Naphthalene	8.09	128	835317	29.14	ng	100
32) Benzoic acid	7.82	122	143498	25.77	ng	# 81
33) 4-Chloroaniline	8.13	127	306503	25.35	ng	98
34) Hexachlorobutadiene	8.21	225	133304	28.15	ng	98
35) Caprolactam	8.53	113	32651	13.13	ng	96
36) 4-Chloro-3-methylphenol	8.62	107	288435	30.68	ng	# 80
37) 2-Methylnaphthalene	8.78	142	542948	30.89	ng	98
39) 1,2,4,5-Tetrachlorobenzene	8.95	216	211360	27.45	ng	# 97
40) Hexachlorocyclopentadiene	8.93	237	237282	64.14	ng	99

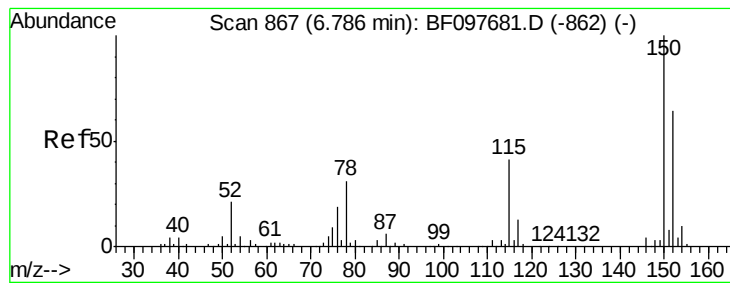
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.05	196	157979	30.56	nq	99
43) 2,4,5-Trichlorophenol	9.09	196	169167	32.98	nq	96
45) 1,1'-Biphenyl	9.25	154	648803	28.36	nq	96
46) 2-Chloronaphthalene	9.27	162	474885	28.09	nq	# 93
47) 2-Nitroaniline	9.36	65	185921	32.80	nq	98
48) Acenaphthylene	9.68	152	793126	29.87	nq	100
49) Dimethylphthalate	9.55	163	689704	37.60	nq	98
50) 2,6-Dinitrotoluene	9.60	165	121877	33.29	nq	# 53
51) Acenaphthene	9.86	154	523714	31.28	nq	100
52) 3-Nitroaniline	9.77	138	125923	26.66	nq	# 80
53) 2,4-Dinitrophenol	9.87	184	89773	55.16	nq	# 78
54) Dibenzofuran	10.03	168	714550	31.84	nq	99
55) 4-Nitrophenol	9.93	139	225845	59.94	nq	# 35
56) 2,4-Dinitrotoluene	10.00	165	162025	35.27	nq	# 51
57) Fluorene	10.37	166	521199	30.04	nq	95
58) 2,3,4,6-Tetrachlorophenol	10.14	232	140984	35.50	nq	95
59) Diethylphthalate	10.25	149	608720	31.74	nq	99
60) 4-Chlorophenyl-phenylether	10.36	204	242358	30.07	nq	89
61) 4-Nitroaniline	10.39	138	139306	31.03	nq	77
62) Azobenzene	10.52	77	740701	32.51	nq	93
64) 4,6-Dinitro-2-methylphenol	10.41	198	65519	31.89	nq	# 80
65) n-Nitrosodiphenylamine	10.48	169	483466	29.11	nq	99
66) 4-Bromophenyl-phenylether	10.85	248	151735	29.96	nq	98
67) Hexachlorobenzene	10.91	284	146013	28.28	nq	# 81
68) Atrazine	11.01	200	147333	33.45	nq	97
69) Pentachlorophenol	11.10	266	182454	60.62	nq	98
70) Phenanthrene	11.33	178	773251	29.75	nq	100
71) Anthracene	11.38	178	789880	29.96	nq	99
72) Carbazole	11.53	167	737941	29.49	nq	99
73) Di-n-butylphthalate	11.87	149	952572	33.05	nq	99
74) Fluoranthene	12.51	202	778823	28.71	nq	97
76) Benzidine	12.63	184	201489	21.26	nq	# 93
77) Pyrene	12.74	202	778836	32.95	nq	98
79) Butylbenzylphthalate	13.37	149	355456	39.22	nq	# 69
80) Benzo(a)anthracene	13.93	228	521750	30.12	nq	99
81) 3,3'-Dichlorobenzidine	13.89	252	160150	27.40	nq	# 97
82) Chrysene	13.96	228	500727	29.06	nq	100
83) Bis(2-ethylhexyl)phthalate	13.93	149	432458	43.07	nq	# 99
84) Di-n-octyl phthalate	14.54	149	695727	39.82	nq	99
85) Indeno(1,2,3-cd)pyrene	16.76	276	520455	41.06	nq	95
87) Benzo(b)fluoranthene	14.96	252	477072	28.60	nq	97
88) Benzo(k)fluoranthene	14.98	252	430017	27.44	nq	# 95
89) Benzo(a)pyrene	15.30	252	447987	30.33	nq	99
90) Dibenzo(a,h)anthracene	16.79	278	428616	35.65	nq	98
91) Benzo(g,h,i)perylene	17.19	276	439787	35.06	nq	93

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

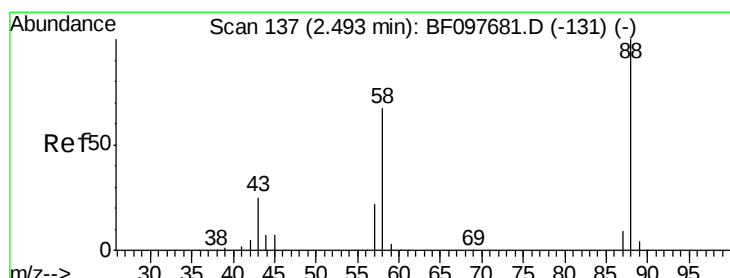
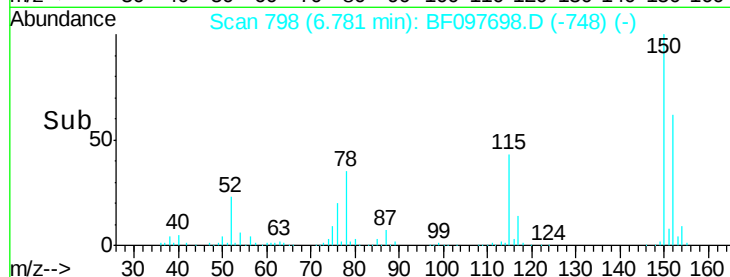
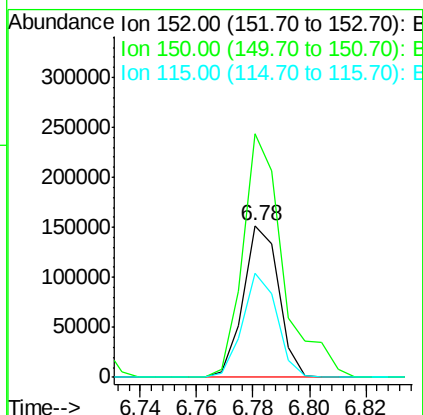
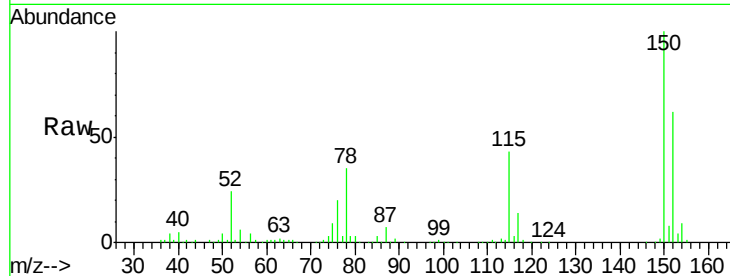


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.78 min Scan# 798
Delta R.T. -0.01 min
Lab File: BF097698.D
Acq: 15 Aug 2017 18:34

Instrument :
BNA_F
ClientSampleId :
TOPSOIL-MATERIAL-COMPMS

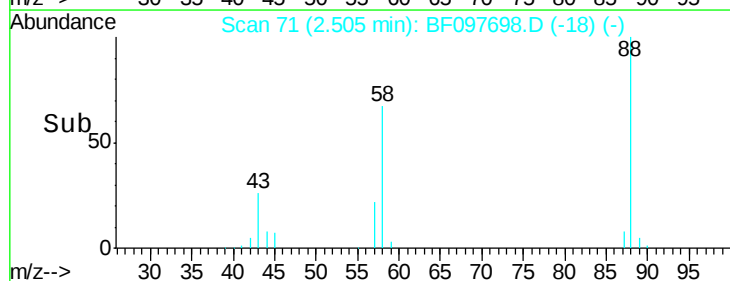
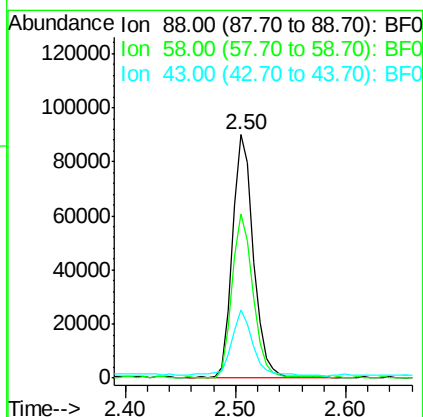
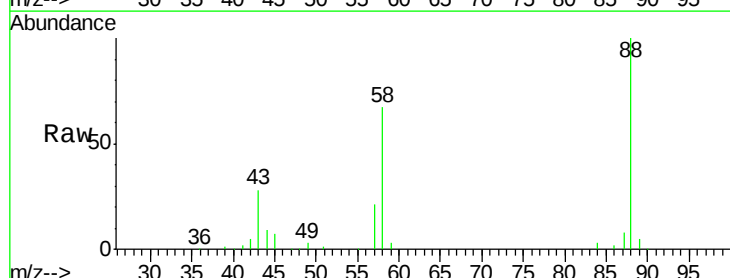
Tot Ion:152 Resp: 132046
Ion Ratio Lower Upper
152 100
150 160.5 126.2 189.2
115 69.0 52.2 78.2

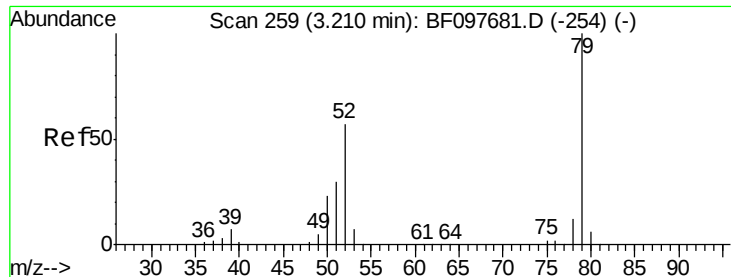


#2

1,4-Dioxane
Concen: 25.04 ng
RT: 2.50 min Scan# 71
Delta R.T. 0.01 min
Lab File: BF097698.D
Acq: 15 Aug 2017 18:34

Tgt Ion: 88 Resp: 121240
Ion Ratio Lower Upper
88 100
58 68.2 61.4 92.0
43 28.1 23.4 35.0





#3

Pvrindine

Concen: 24.81 ng

RT: 3.23 min Scan# 194

Delta R.T. 0.02 min

Lab File: BF097698.D

Acq: 15 Aug 2017 18:34

Instrument :

BNA_F

ClientSampleId :

TOPSOIL-MATERIAL-COMPMS

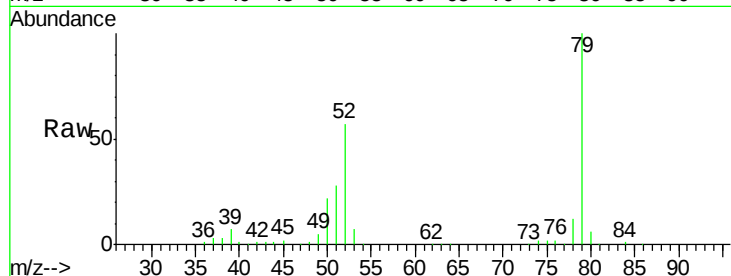
Tot Ion: 79 Resp: 332030

Ion Ratio Lower Upper

79 100

52 56.6 54.8 82.2

51 28.0 27.0 40.4



Abundance Ion 79.00 (78.70 to 79.70): BF0
Ion 52.00 (51.70 to 52.70): BF0
Ion 51.00 (50.70 to 51.70): BF0

3.23

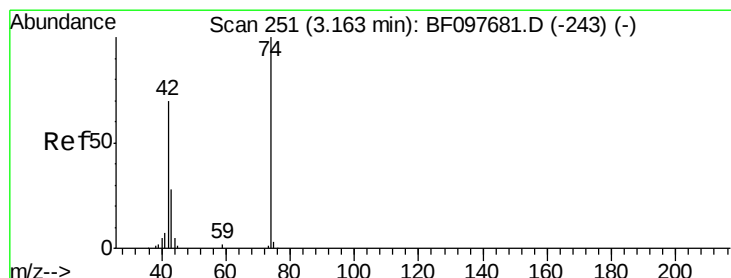
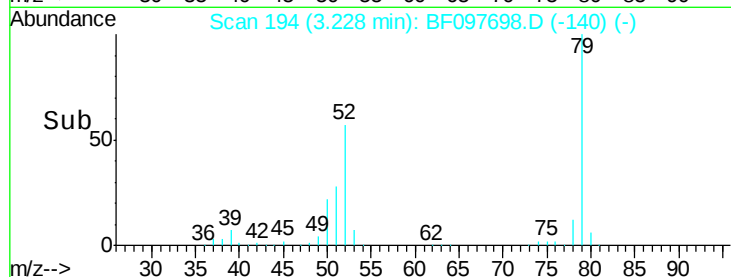
150000

100000

50000

0

Time--> 3.10 3.20 3.30 3.40 3.50



#4

n-Nitrosodimethylamine

Concen: 29.56 ng

RT: 3.17 min Scan# 184

Delta R.T. 0.01 min

Lab File: BF097698.D

Acq: 15 Aug 2017 18:34

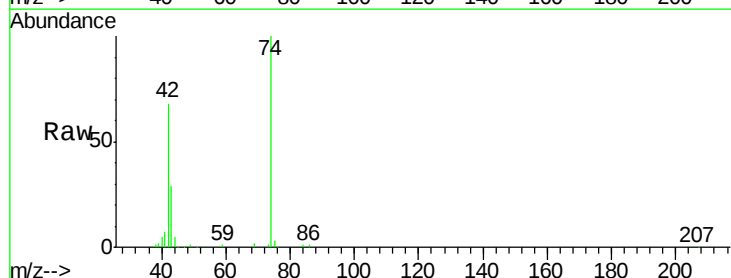
Tgt Ion: 42 Resp: 152218

Ion Ratio Lower Upper

42 100

74 147.0 103.9 155.9

44 7.5 5.7 8.5



Abundance Ion 42.00 (41.70 to 42.70): BF0
Ion 74.00 (73.70 to 74.70): BF0
Ion 44.00 (43.70 to 44.70): BF0

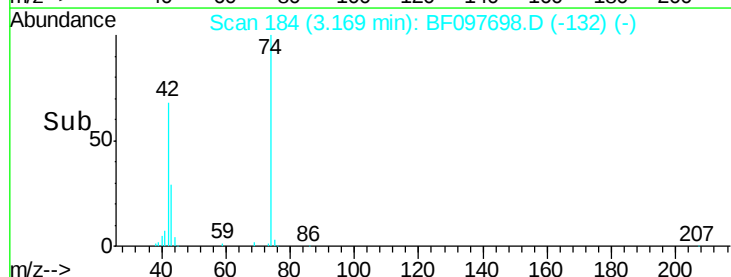
150000

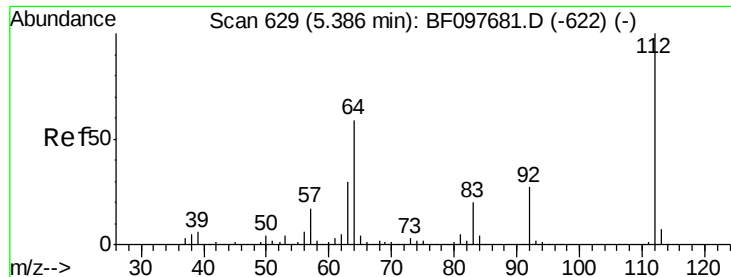
100000

50000

0

Time--> 3.10 3.20 3.30





#5

2-Fluorophenol

Concen: 99.05 ng

RT: 5.39 min Scan# 562

Delta R.T. 0.01 min

Lab File: BF097698.D

Acq: 15 Aug 2017 18:34

Instrument :

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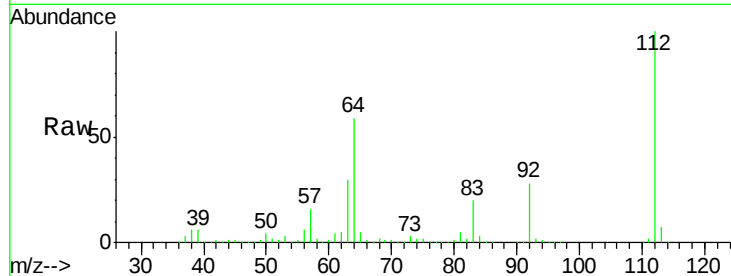
Tot Ion:112 Resp: 859827

Ion Ratio Lower Upper

112 100

64 59.4 46.0 69.0

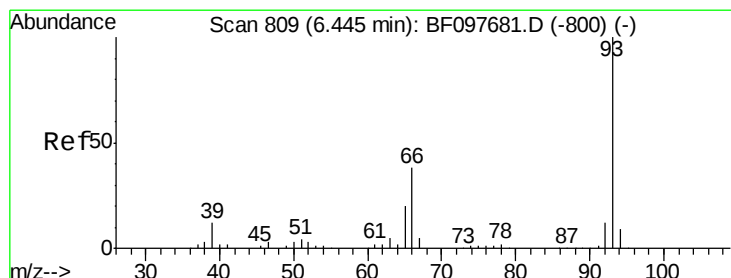
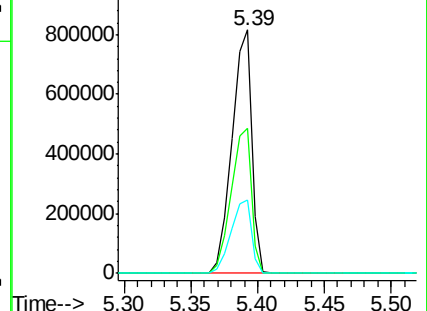
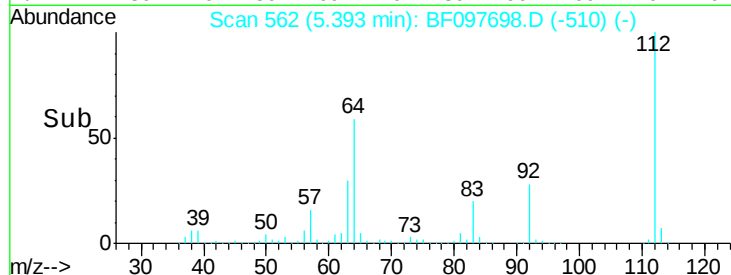
63 30.1 23.4 35.0



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 26.64 ng

RT: 6.45 min Scan# 741

Delta R.T. 0.00 min

Lab File: BF097698.D

Acq: 15 Aug 2017 18:34

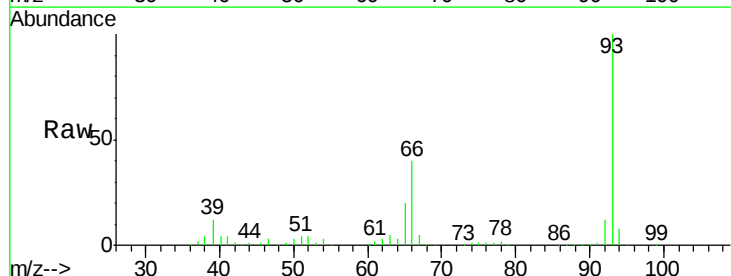
Tgt Ion: 93 Resp: 441446

Ion Ratio Lower Upper

93 100

66 40.0 32.9 49.3

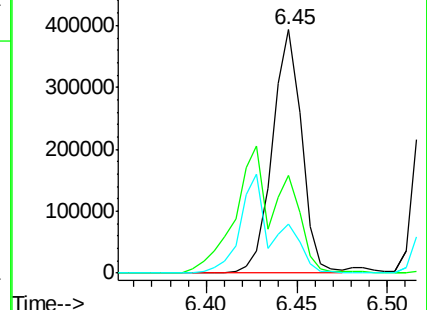
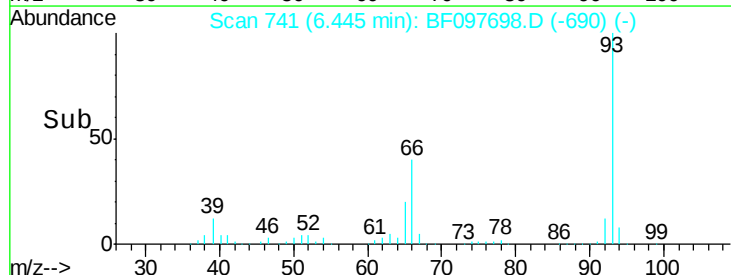
65 20.0 16.0 24.0

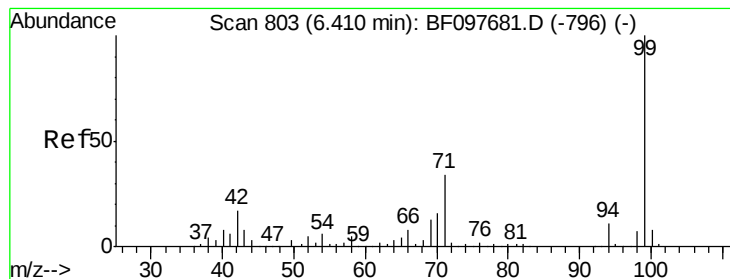


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 99.38 ng

RT: 6.42 min Scan# 736

Delta R.T. 0.01 min

Lab File: BF097698.D

Acq: 15 Aug 2017 18:34

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ClientSampleId :

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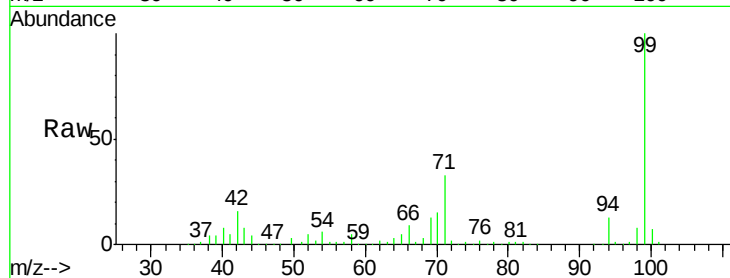
Tot Ion: 99 Resp: 1172199

Ion Ratio Lower Upper

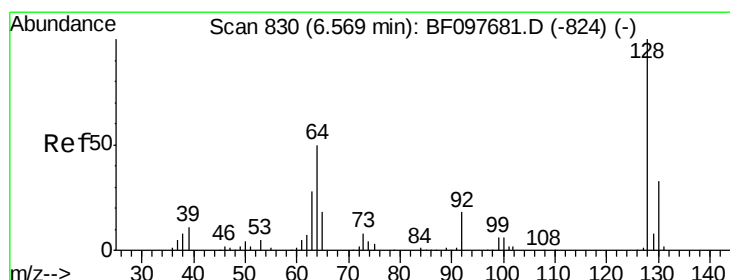
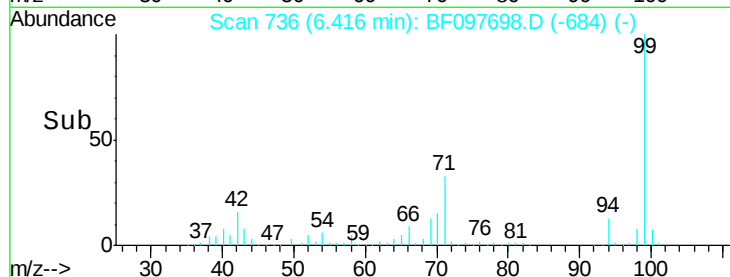
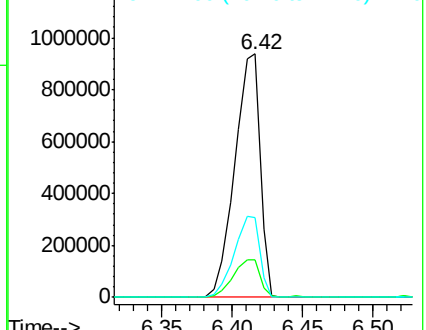
99 100

42 15.6 13.5 20.3

71 32.7 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#8

2-Chlorophenol

Concen: 31.94 ng

RT: 6.57 min Scan# 762

Delta R.T. 0.00 min

Lab File: BF097698.D

Acq: 15 Aug 2017 18:34

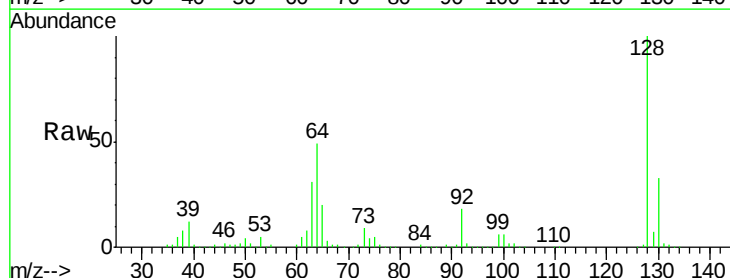
Tgt Ion:128 Resp: 292389

Ion Ratio Lower Upper

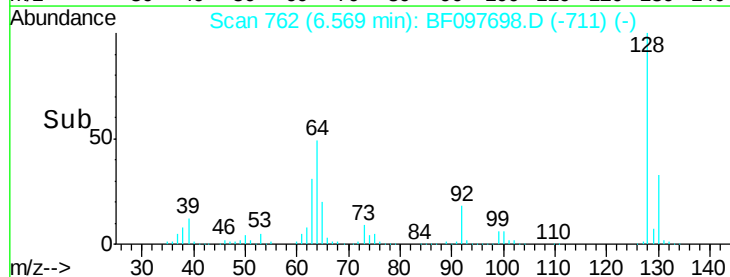
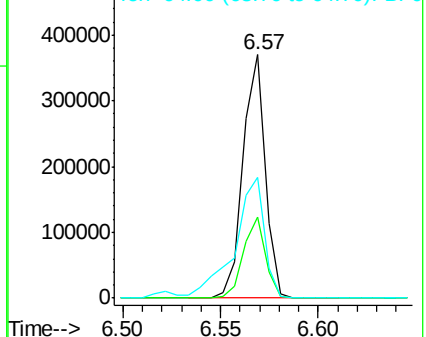
128 100

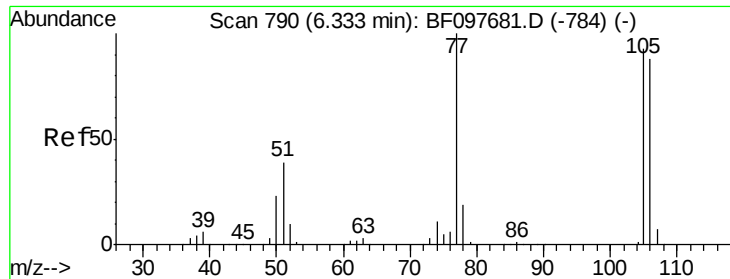
130 33.2 12.9 52.9

64 49.4 28.4 68.4



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): BF0





#9

Benzaldehyde

Concen: 18.67 ng

RT: 6.33 min Scan# 721

Delta R.T. -0.01 min

Lab File: BF097698.D

Acq: 15 Aug 2017 18:34

Instrument :

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ClientSampleId :

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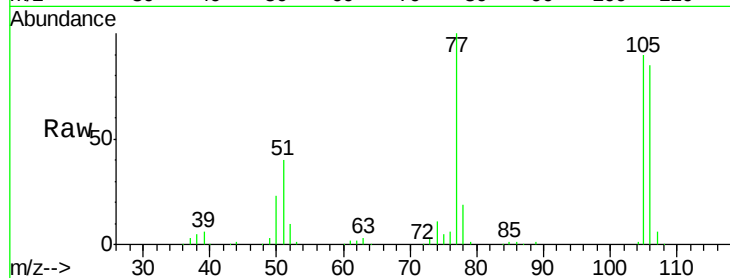
Tot Ion: 77 Resp: 139462

Ion Ratio Lower Upper

77 100

105 90.4 83.8 123.8

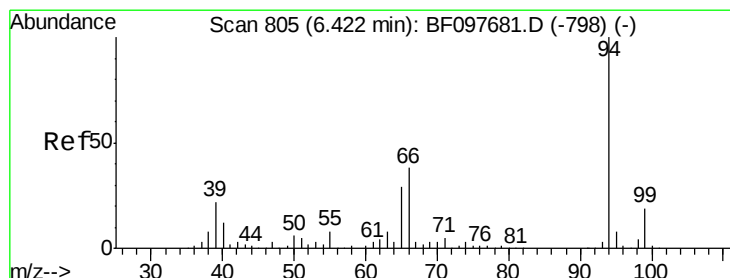
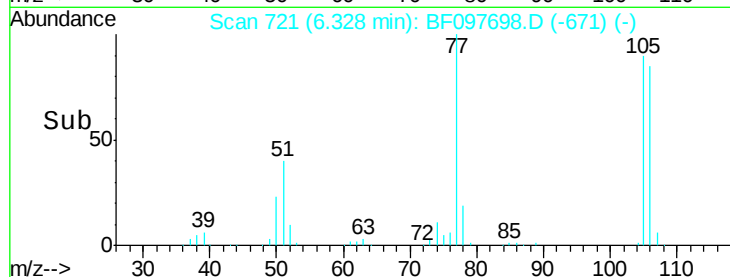
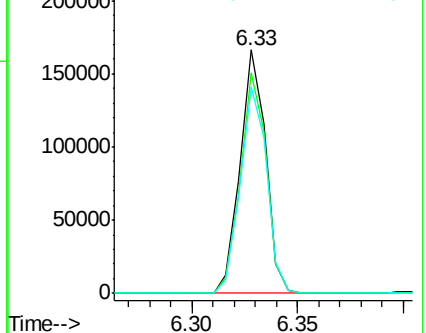
106 85.0 79.1 119.1



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0



#10

Phenol

Concen: 34.34 ng

RT: 6.43 min Scan# 738

Delta R.T. 0.01 min

Lab File: BF097698.D

Acq: 15 Aug 2017 18:34

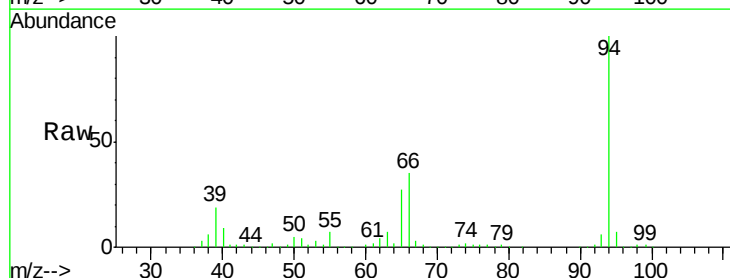
Tgt Ion: 94 Resp: 473769

Ion Ratio Lower Upper

94 100

65 27.4 9.9 49.9

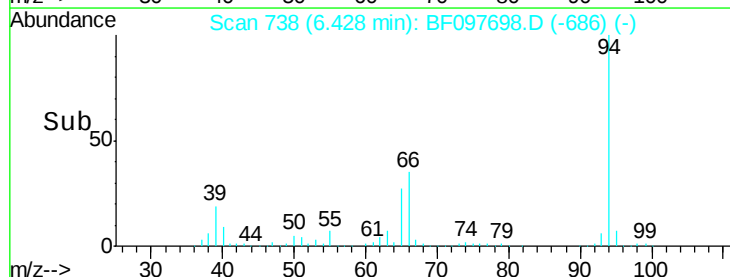
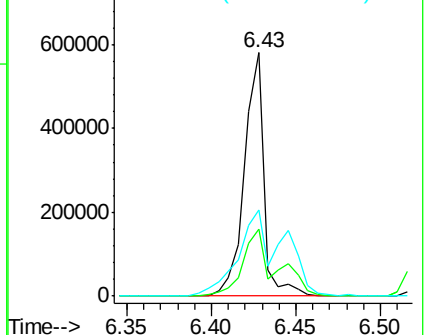
66 35.2 23.1 63.1

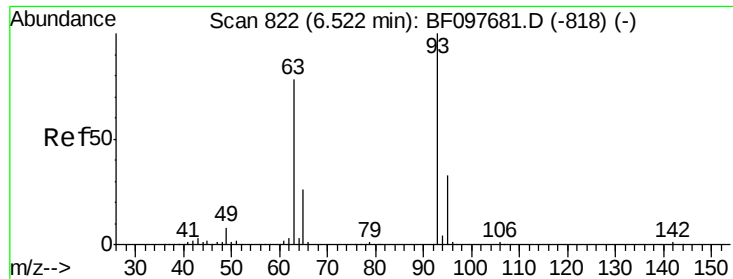


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

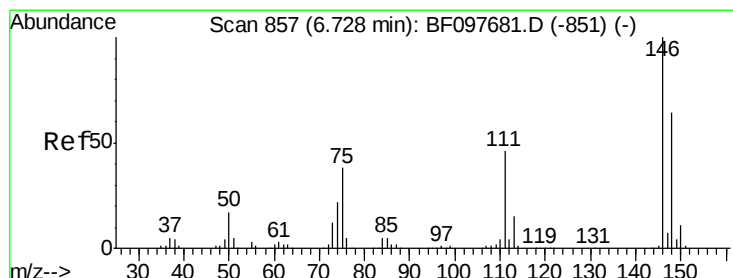
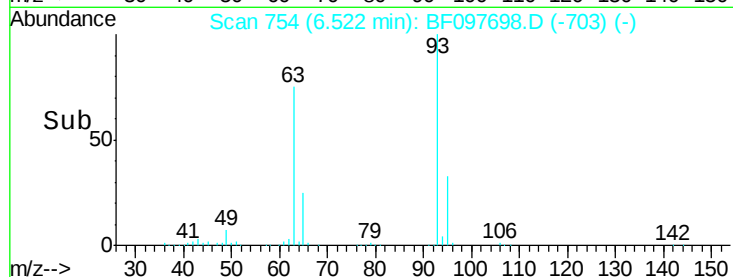
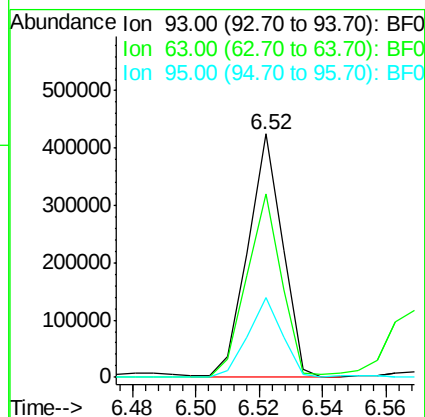
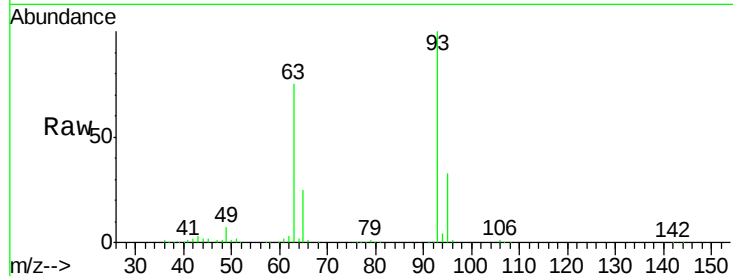




#11
bis(2-Chloroethyl)ether
Concen: 30.74 ng
RT: 6.52 min Scan# 754
Delta R.T. 0.00 min
Lab File: BF097698.D
Acq: 15 Aug 2017 18:34

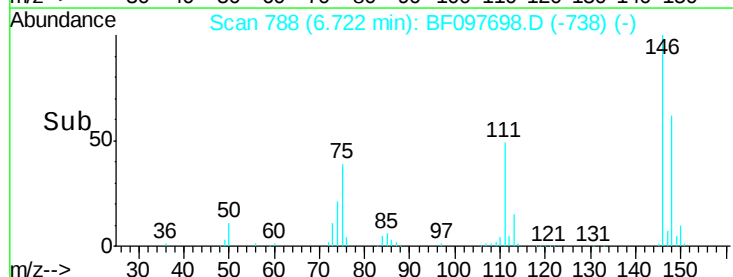
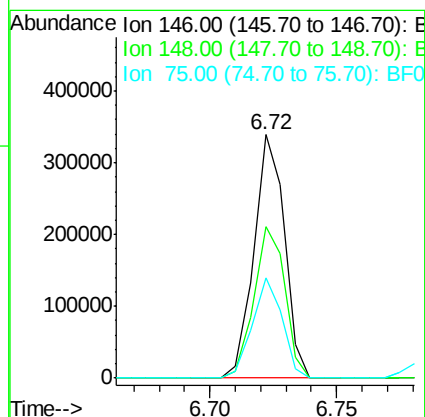
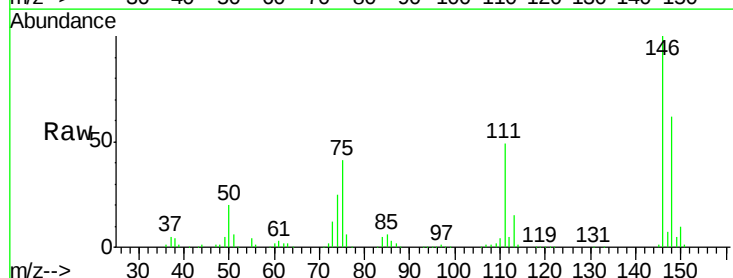
Instrument :
BNA_F
ClientSampleId :
TOPSOIL-MATERIAL-COMPMS

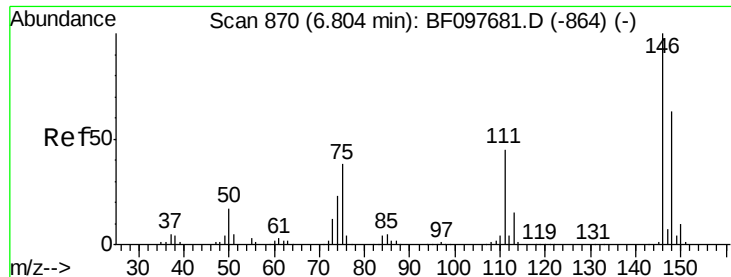
Tot Ion: 93 Resp: 320063
Ion Ratio Lower Upper
93 100
63 75.3 59.2 99.2
95 32.6 12.8 52.8



#12
1,3-Dichlorobenzene
Concen: 28.93 ng
RT: 6.72 min Scan# 788
Delta R.T. -0.01 min
Lab File: BF097698.D
Acq: 15 Aug 2017 18:34

Tgt Ion: 146 Resp: 284921
Ion Ratio Lower Upper
146 100
148 62.4 51.8 77.6
75 41.3 23.1 34.7#

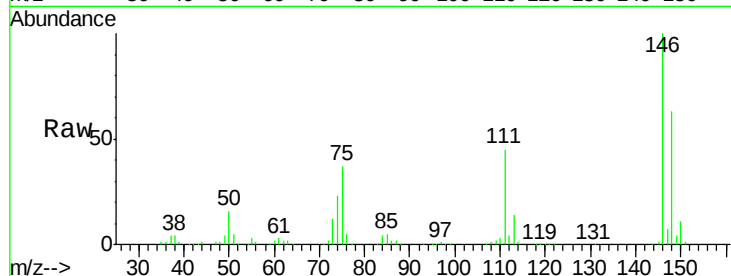




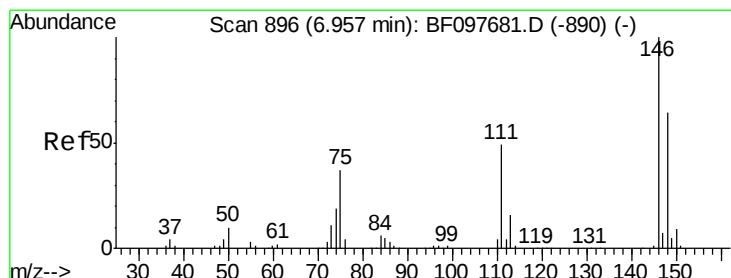
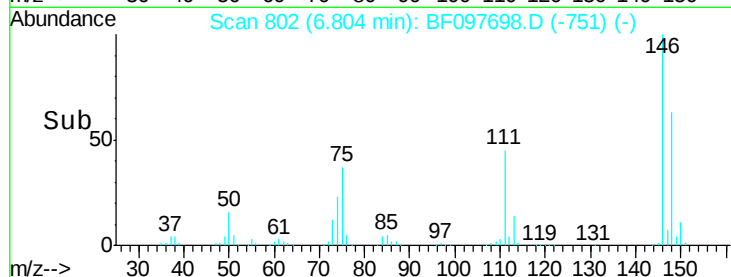
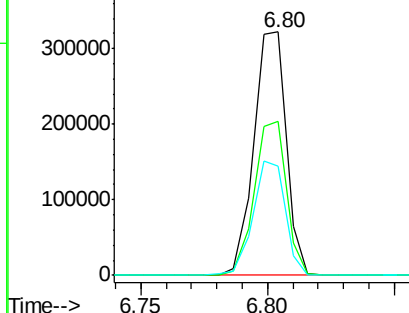
#13
 1,4-Dichlorobenzene
 Concen: 28.91 ng
 RT: 6.80 min Scan# 802
 Delta R.T. 0.00 min
 Lab File: BF097698.D
 Acq: 15 Aug 2017 18:34

Instrument :
 BNA_F
 ClientSampleId :
 TOPSOIL-MATERIAL-COMPMS

Tot Ion:146 Resp: 289510
 Ion Ratio Lower Upper
 146 100
 148 63.5 52.2 78.2
 111 44.6 30.3 45.5

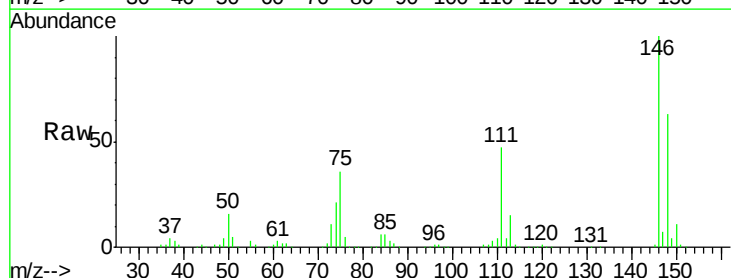


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

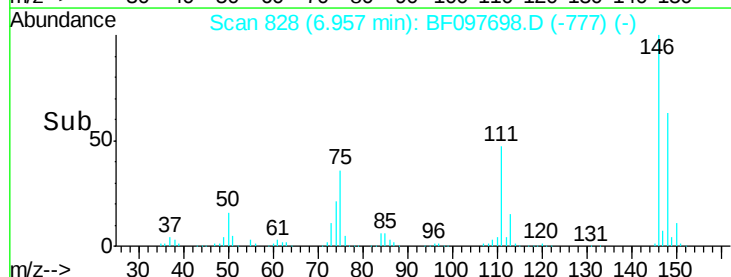
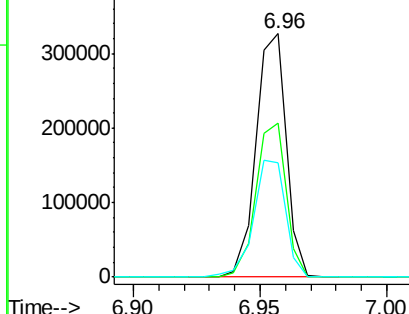


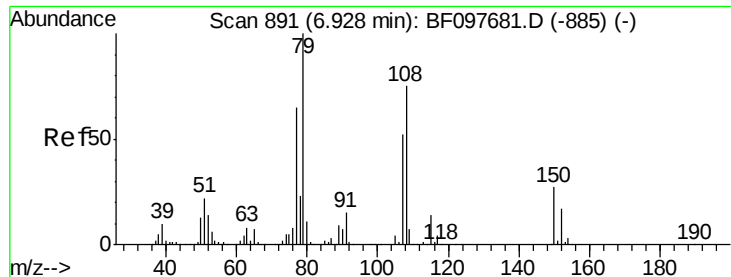
#14
 1,2-Dichlorobenzene
 Concen: 29.50 ng
 RT: 6.96 min Scan# 828
 Delta R.T. 0.00 min
 Lab File: BF097698.D
 Acq: 15 Aug 2017 18:34

Tgt Ion:146 Resp: 272478
 Ion Ratio Lower Upper
 146 100
 148 63.4 50.4 75.6
 111 46.8 38.2 57.4



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: 34.74 ng

RT: 6.92 min Scan# 822

Delta R.T. -0.01 min

Lab File: BF097698.D

Acq: 15 Aug 2017 18:34

Instrument :

BNA_F

ClientSampleId :

TOPSOIL-MATERIAL-COMPMS

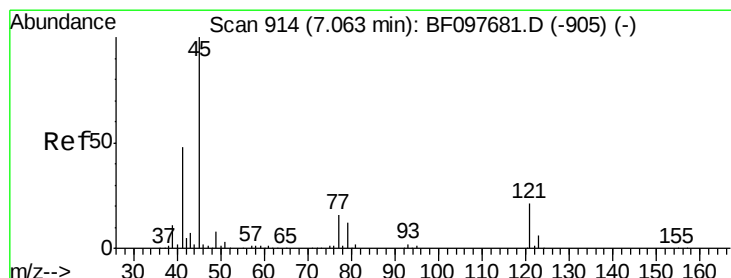
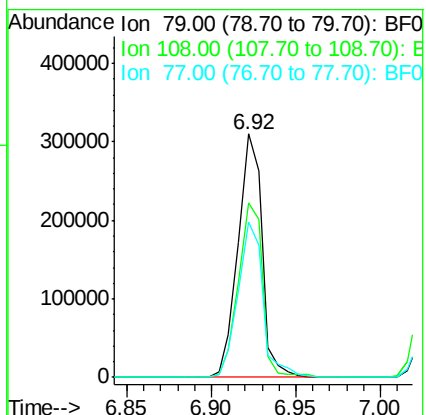
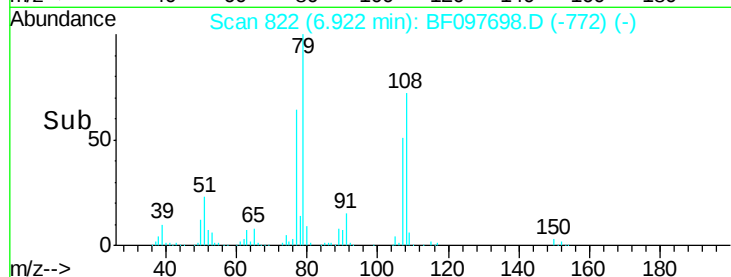
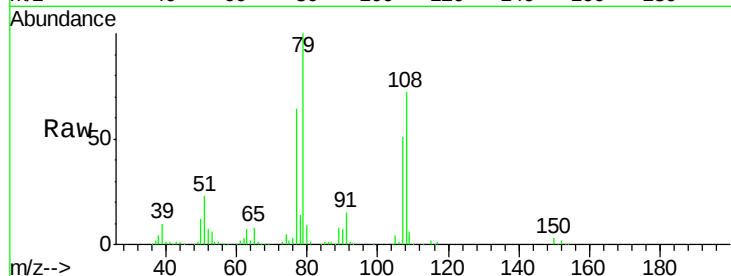
Tot Ion: 79 Resp: 306797

Ion Ratio Lower Upper

79 100

108 71.9 63.4 95.0

77 63.9 49.2 73.8



#16

2,2'-oxybis(1-Chloropropane)

Concen: 31.25 ng

RT: 7.06 min Scan# 846

Delta R.T. 0.00 min

Lab File: BF097698.D

Acq: 15 Aug 2017 18:34

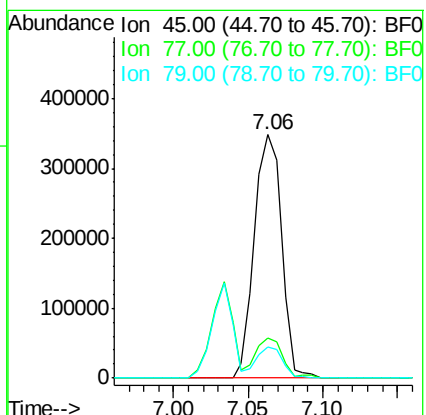
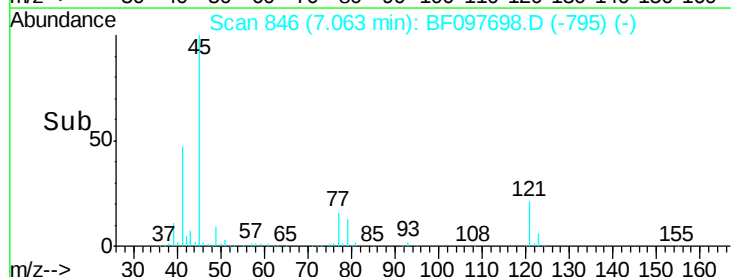
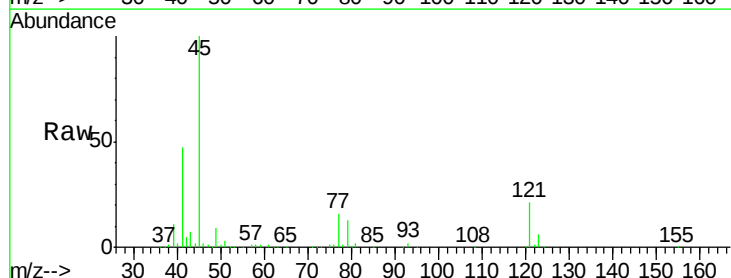
Tgt Ion: 45 Resp: 437754

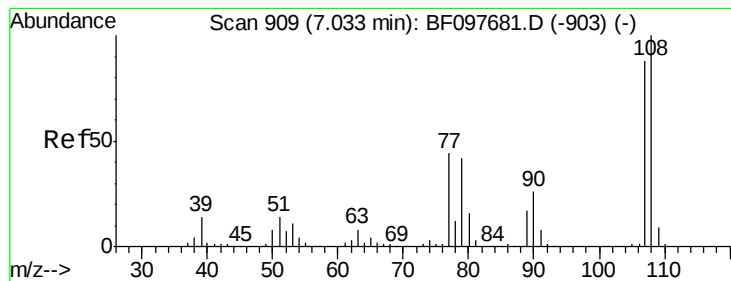
Ion Ratio Lower Upper

45 100

77 16.4 0.0 33.2

79 12.6 0.0 30.0

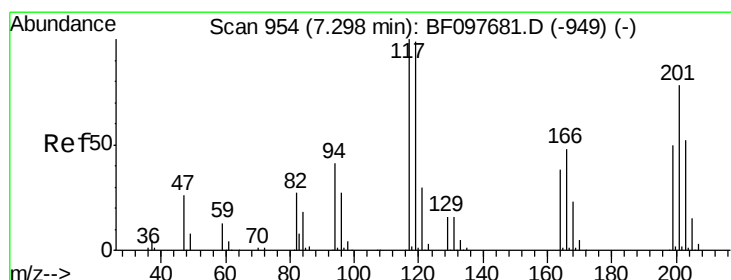
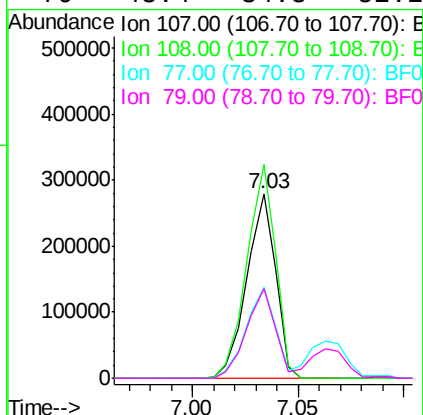
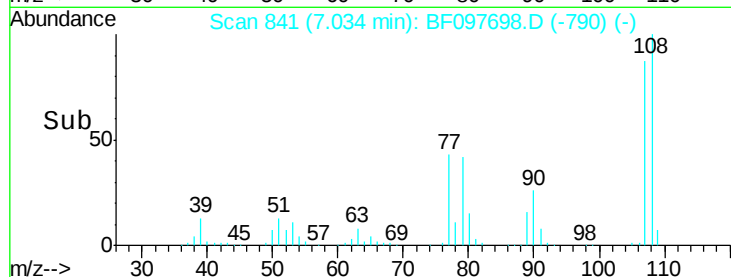
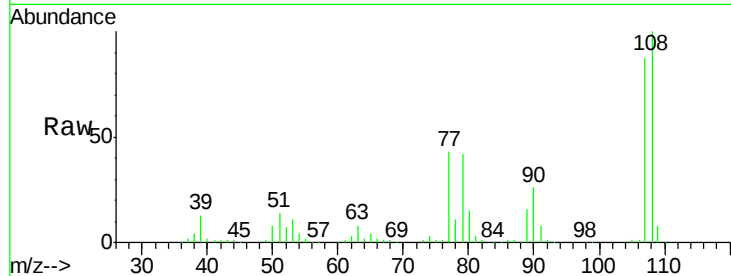




#17
2-Methylphenol
Concen: 32.98 ng
RT: 7.03 min Scan# 841
Delta R.T. 0.00 min
Lab File: BF097698.D
Acq: 15 Aug 2017 18:34

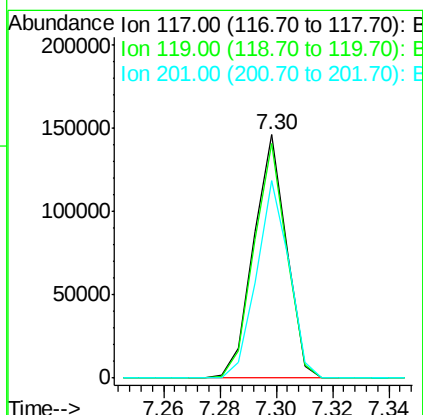
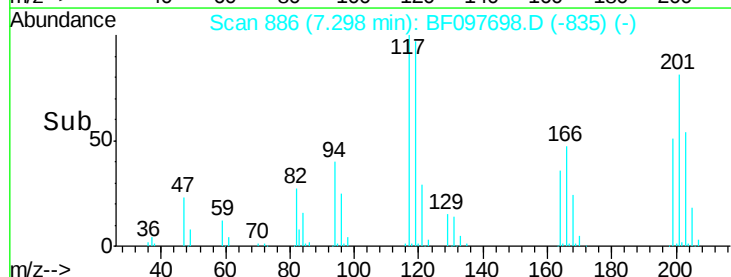
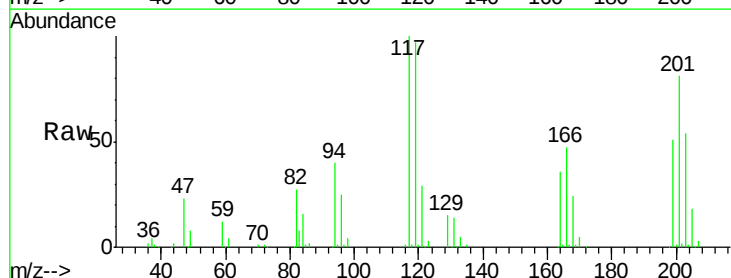
Instrument :
BNA_F
ClientSampleId :
TOPSOIL-MATERIAL-COMPMS

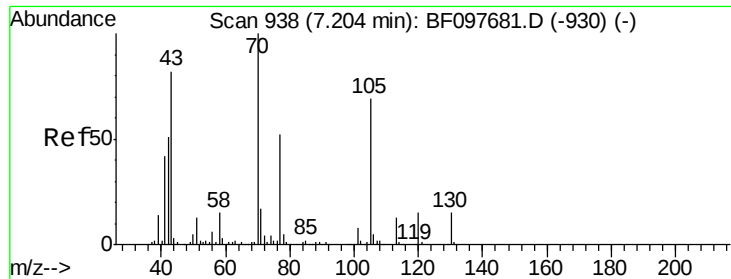
Tot Ion:	107	Resp:	266065
Ion	Ratio	Lower	Upper
107	100		
108	115.5	93.4	140.0
77	49.5	35.8	53.6
79	48.4	34.8	52.2



#18
Hexachloroethane
Concen: 29.98 ng
RT: 7.30 min Scan# 886
Delta R.T. 0.00 min
Lab File: BF097698.D
Acq: 15 Aug 2017 18:34

Tgt Ion:	117	Resp:	117710
Ion	Ratio	Lower	Upper
117	100		
119	96.6	77.4	116.0
201	80.9	94.6	141.8#

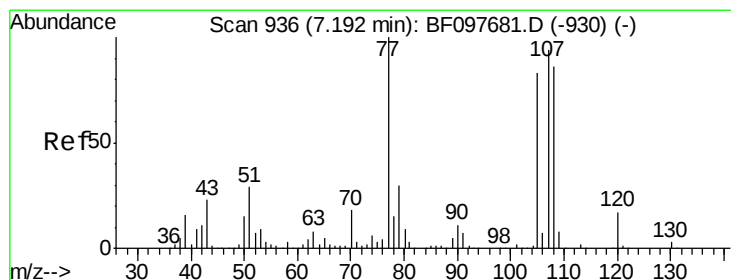
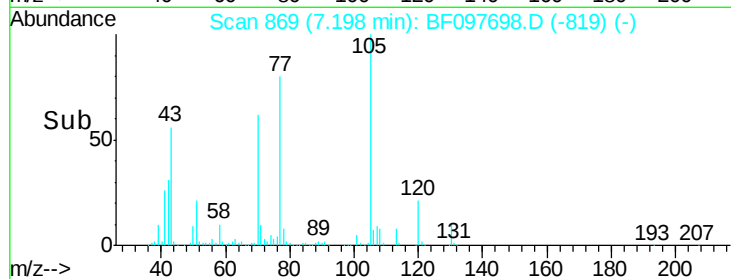
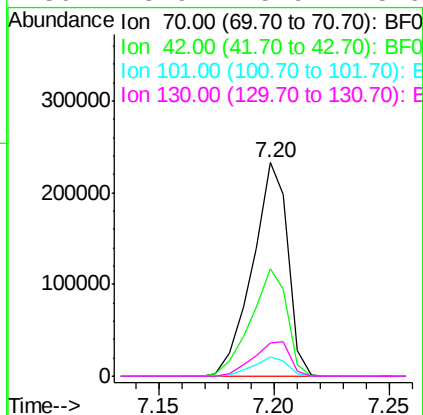
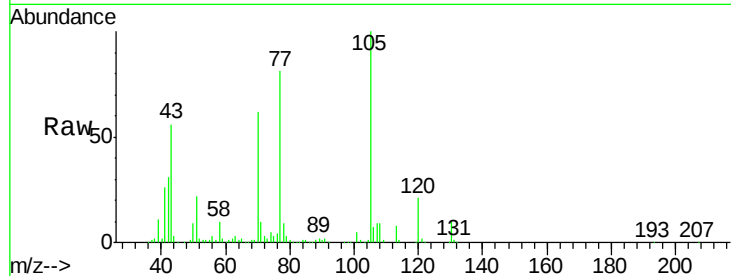




#19
n-Nitroso-di-n-propylamine
Concen: 30.73 ng
RT: 7.20 min Scan# 869
Delta R.T. -0.01 min
Lab File: BF097698.D
Acq: 15 Aug 2017 18:34

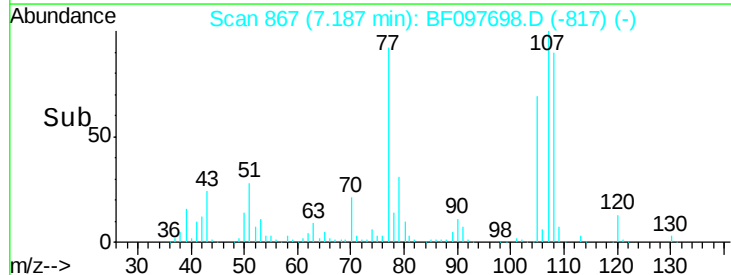
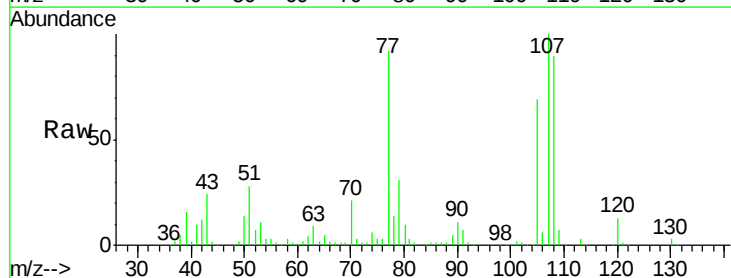
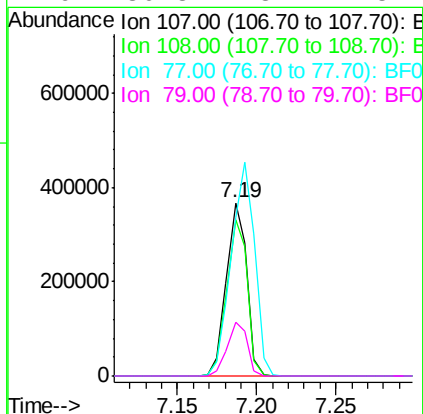
Instrument :
BNA_F
ClientSampleId :
TOPSOIL-MATERIAL-COMPMS

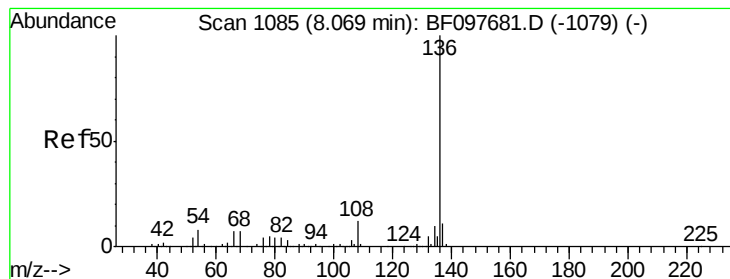
Tot Ion: 70 Resp: 248097
Ion Ratio Lower Upper
70 100
42 50.6 47.2 70.8
101 8.7 7.2 10.8
130 15.9 15.9 23.9#



#20
3+4-Methylphenols
Concen: 33.24 ng
RT: 7.19 min Scan# 867
Delta R.T. -0.01 min
Lab File: BF097698.D
Acq: 15 Aug 2017 18:34

Tgt Ion: 107 Resp: 327593
Ion Ratio Lower Upper
107 100
108 90.4 71.0 111.0
77 91.6 90.5 130.5
79 30.8 8.4 48.4





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.07 min Scan# 1017

Delta R.T. 0.00 min

Lab File: BF097698.D

Acq: 15 Aug 2017 18:34

Instrument :

BNA_F

ClientSampleId :

TOPSOIL-MATERIAL-COMPMS

Tot Ion:136 Resp: 552162

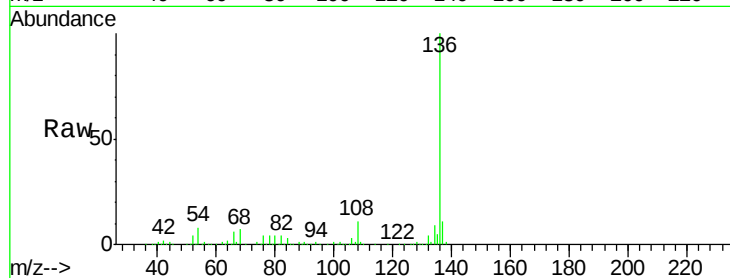
Ion Ratio Lower Upper

136 100

137 11.0 8.5 12.7

54 7.5 4.9 7.3#

68 7.1 4.1 6.1#

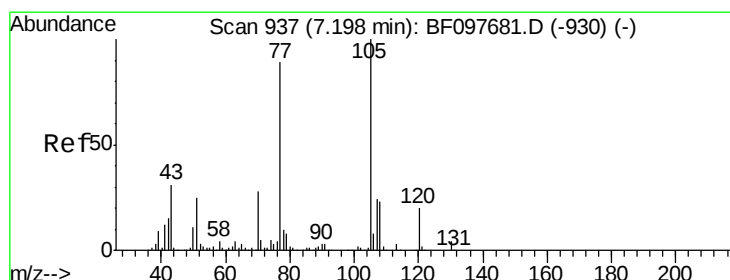
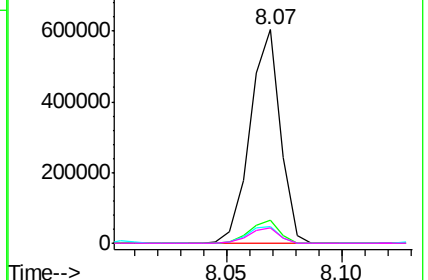
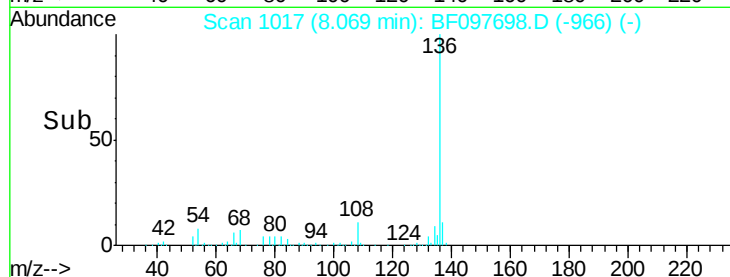


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#22

Acetophenone

Concen: 30.20 ng

RT: 7.19 min Scan# 868

Delta R.T. -0.01 min

Lab File: BF097698.D

Acq: 15 Aug 2017 18:34

Tgt Ion:105 Resp: 440468

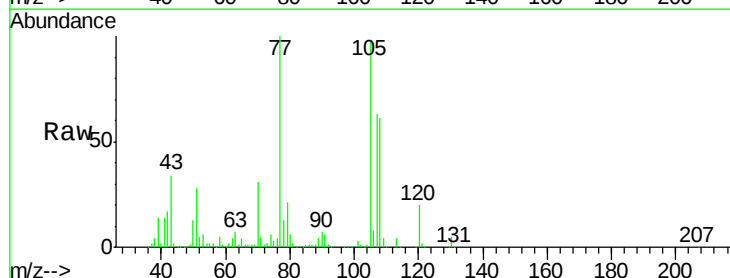
Ion Ratio Lower Upper

105 100

71 5.1 2.8 4.2#

51 28.9 30.7 46.1#

120 20.0 17.4 26.0

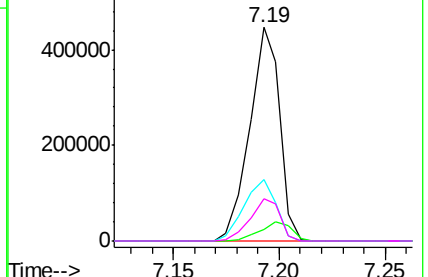
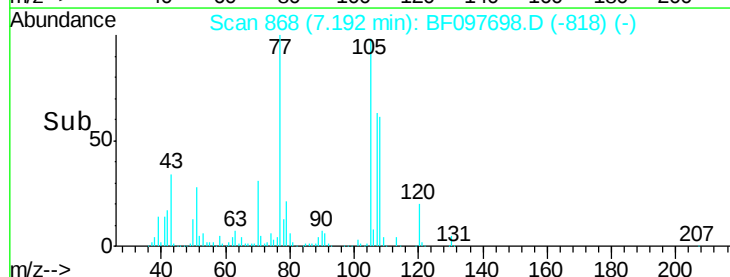


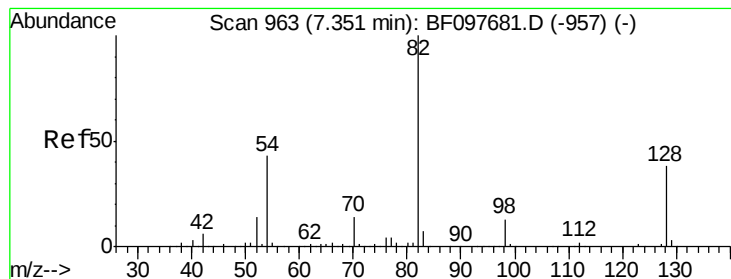
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E





#23

Nitrobenzene-d5

Concen: 70.04 ng

RT: 7.35 min Scan# 894

Delta R.T. -0.01 min

Lab File: BF097698.D

Acq: 15 Aug 2017 18:34

Instrument :

BNA_F

ClientSampleId :

TOPSOIL-MATERIAL-COMPMS

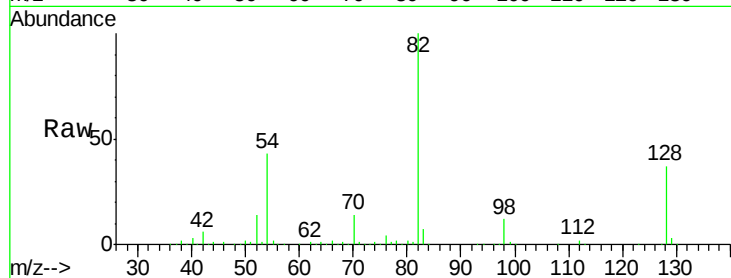
Tot Ion: 82 Resp: 711859

Ion Ratio Lower Upper

82 100

128 36.6 34.0 51.0

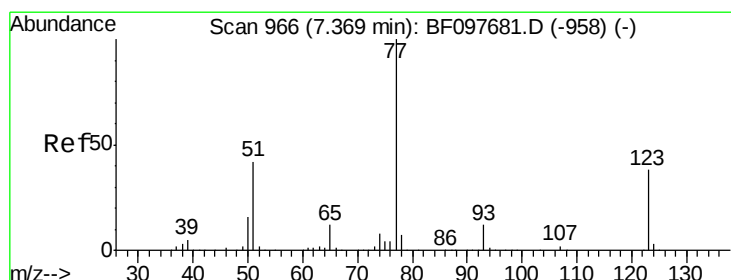
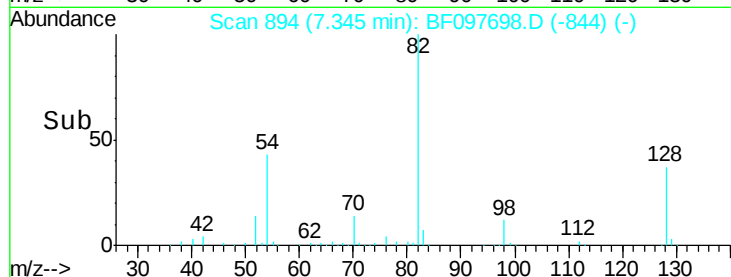
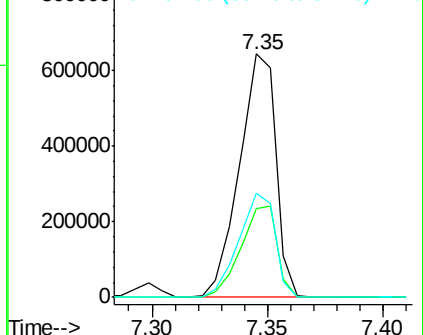
54 42.6 42.2 63.2



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#24

Nitrobenzene

Concen: 32.84 ng

RT: 7.36 min Scan# 897

Delta R.T. -0.01 min

Lab File: BF097698.D

Acq: 15 Aug 2017 18:34

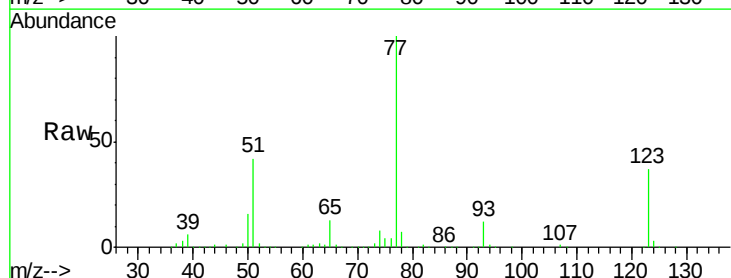
Tgt Ion: 77 Resp: 371696

Ion Ratio Lower Upper

77 100

123 37.2 35.8 53.8

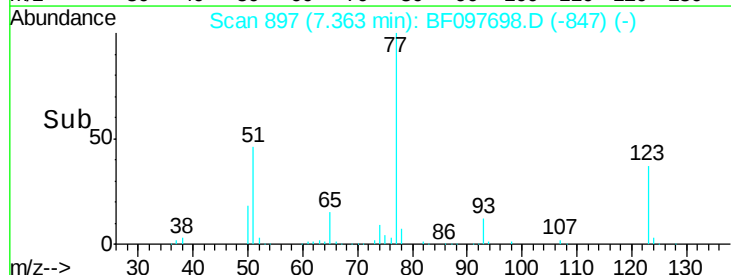
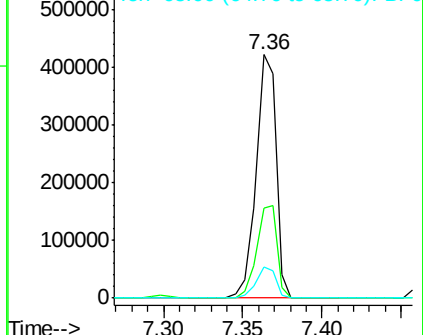
65 13.0 10.6 15.8

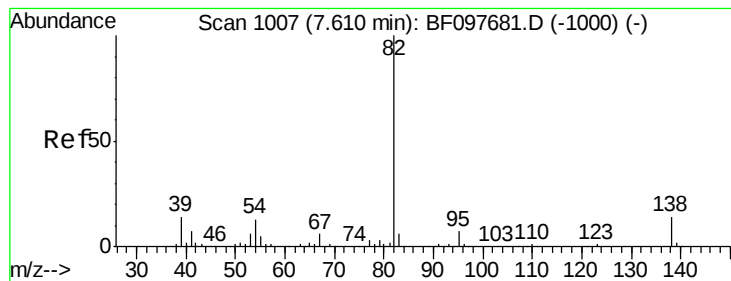


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 123.00 (122.70 to 123.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#25

Isophorone

Concen: 31.93 ng

RT: 7.60 min Scan# 938

Delta R.T. -0.01 min

Lab File: BF097698.D

Acq: 15 Aug 2017 18:34

Instrument :

BNA_F

ClientSampleId :

TOPSOIL-MATERIAL-COMPMS

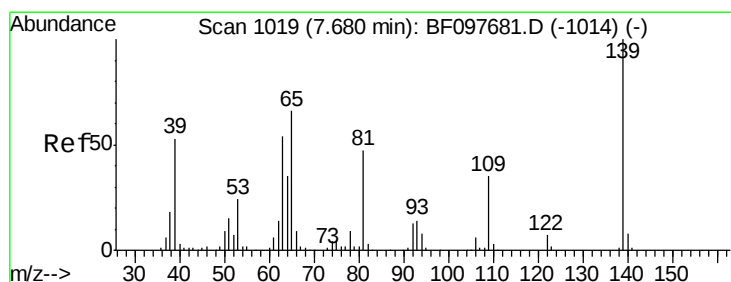
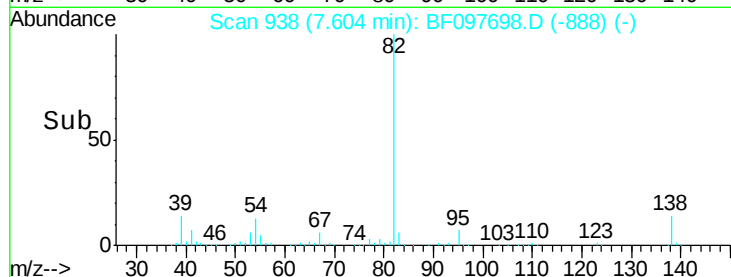
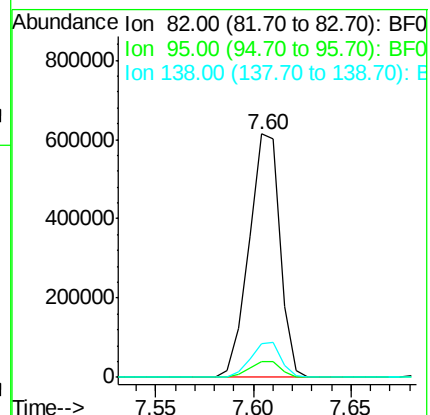
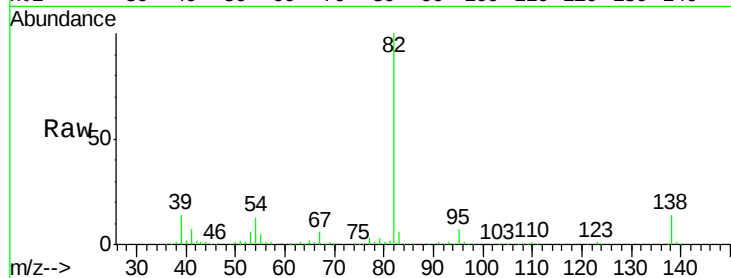
Tot Ion: 82 Resp: 674733

Ion Ratio Lower Upper

82 100

95 6.5 5.3 7.9

138 13.8 13.1 19.7



#26

2-Nitrophenol

Concen: 34.00 ng

RT: 7.68 min Scan# 951

Delta R.T. 0.00 min

Lab File: BF097698.D

Acq: 15 Aug 2017 18:34

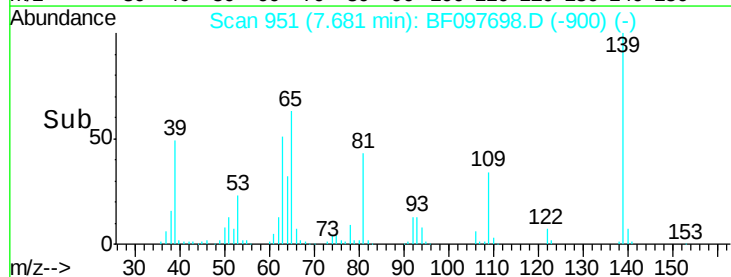
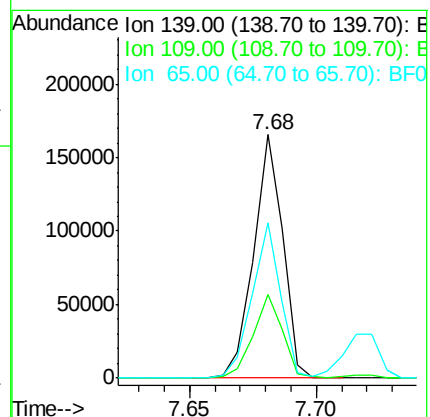
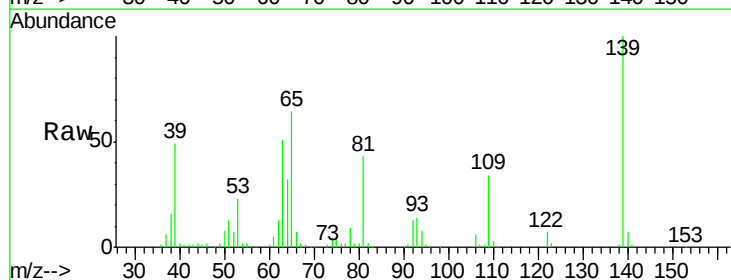
Tgt Ion: 139 Resp: 132333

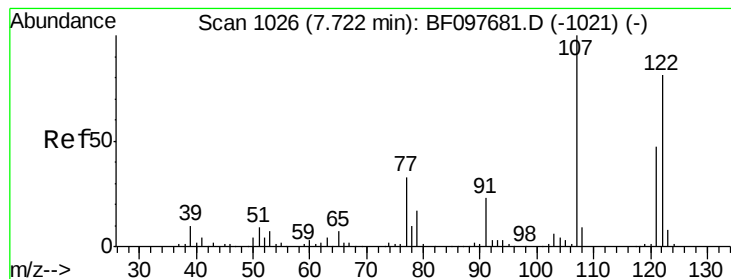
Ion Ratio Lower Upper

139 100

109 34.4 21.0 31.6#

65 63.7 33.0 49.6#





#27

2,4-Dimethylphenol

Concen: 30.58 ng

RT: 7.72 min Scan# 958

Delta R.T. 0.00 min

Lab File: BF097698.D

Acq: 15 Aug 2017 18:34

Instrument :

BNA_F

ClientSampleId :

TOPSOIL-MATERIAL-COMPMS

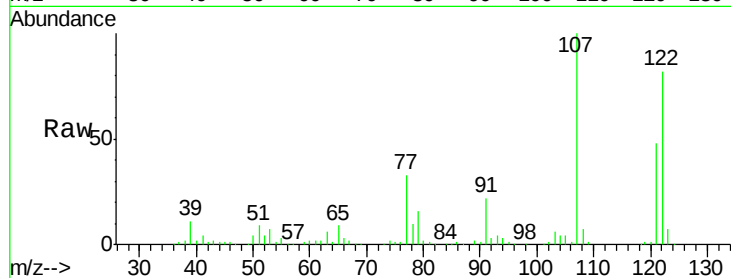
Tot Ion:122 Resp: 269563

Ion Ratio Lower Upper

122 100

107 121.3 89.2 133.8

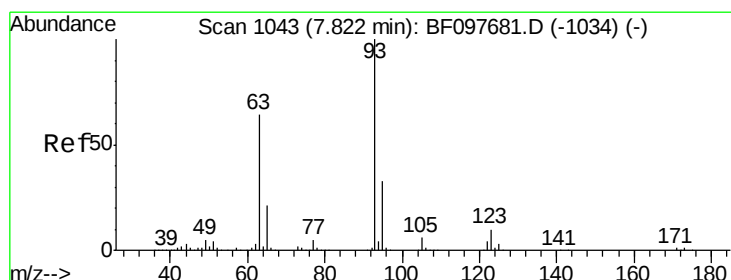
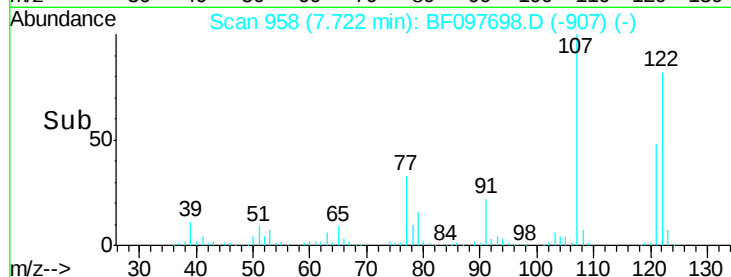
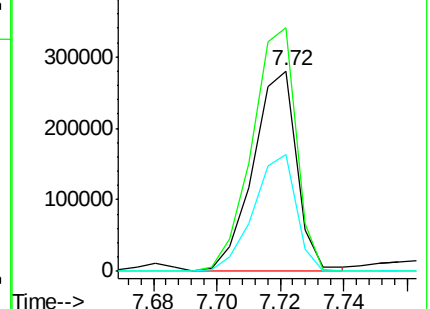
121 58.4 45.2 67.8



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 30.08 ng

RT: 7.82 min Scan# 975

Delta R.T. 0.00 min

Lab File: BF097698.D

Acq: 15 Aug 2017 18:34

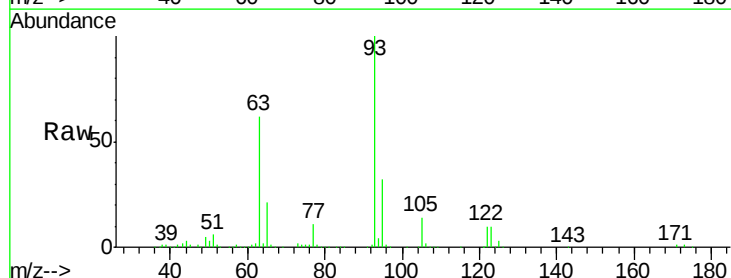
Tgt Ion: 93 Resp: 417928

Ion Ratio Lower Upper

93 100

95 32.4 26.5 39.7

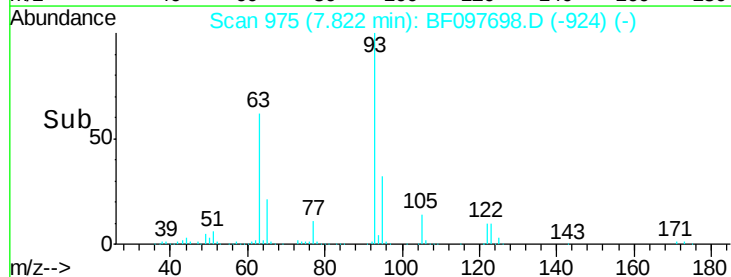
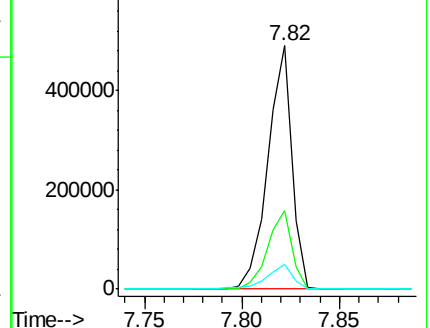
123 10.1 9.0 13.4

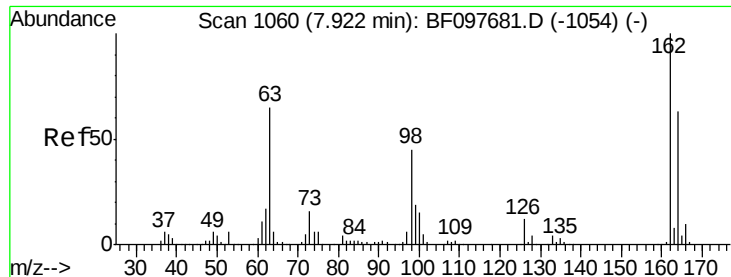


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 123.00 (122.70 to 123.70): E

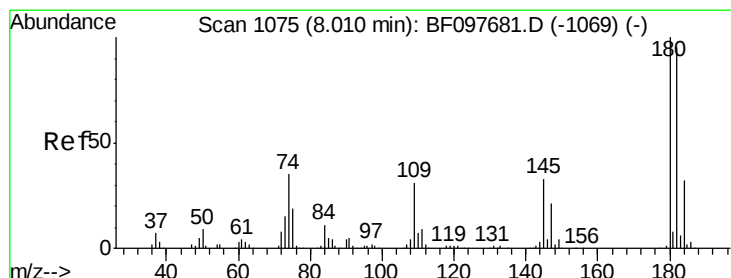
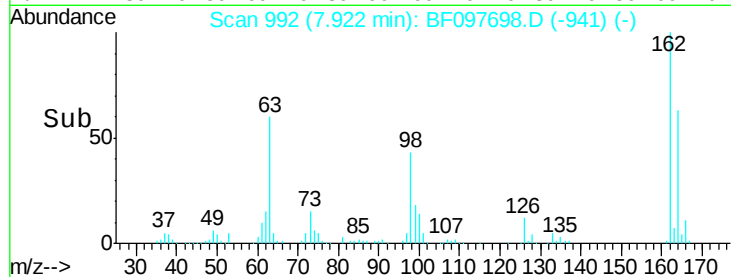
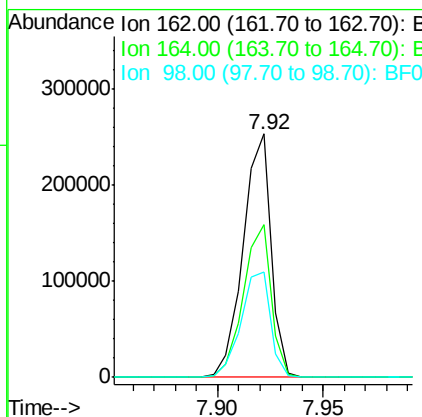
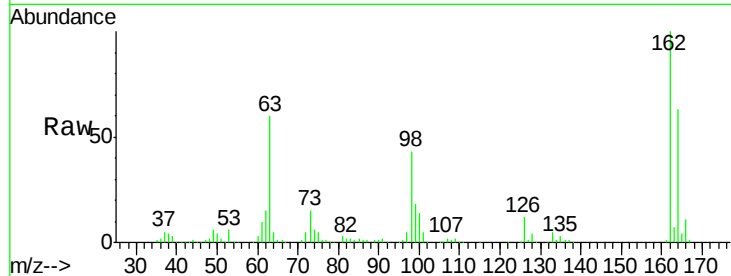




#29
 2,4-Dichlorophenol
 Concen: 31.77 ng
 RT: 7.92 min Scan# 992
 Delta R.T. 0.00 min
 Lab File: BF097698.D
 Acq: 15 Aug 2017 18:34

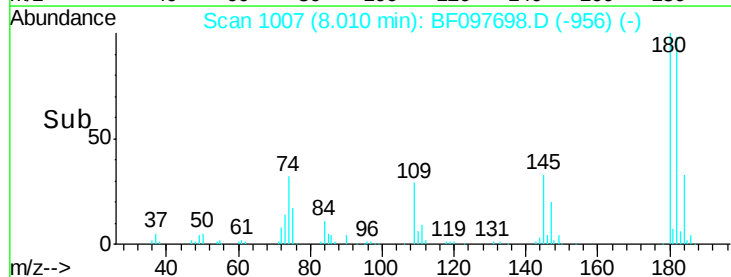
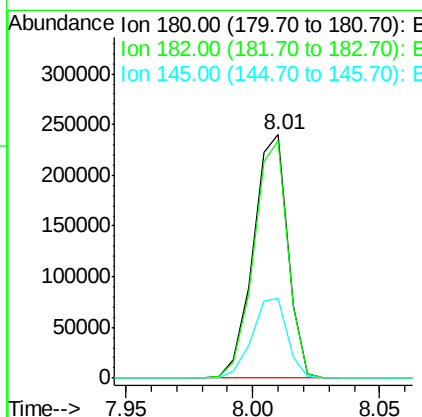
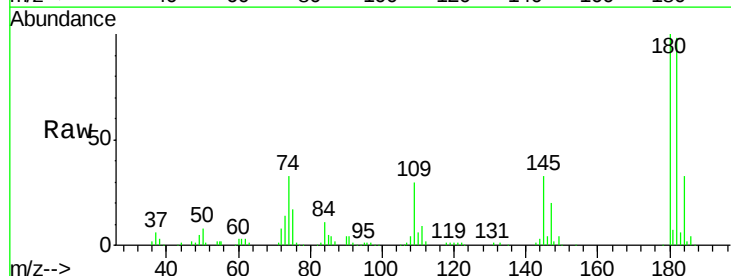
Instrument :
 BNA_F
 ClientSampleId :
 TOPSOIL-MATERIAL-COMPMS

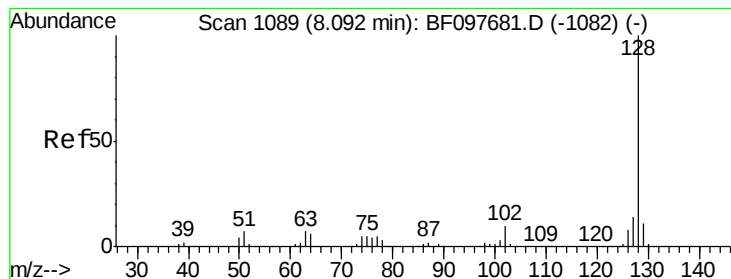
Tot Ion:162 Resp: 232470
 Ion Ratio Lower Upper
 162 100
 164 62.9 44.6 84.6
 98 43.3 14.8 54.8



#30
 1,2,4-Trichlorobenzene
 Concen: 28.10 ng
 RT: 8.01 min Scan# 1007
 Delta R.T. 0.00 min
 Lab File: BF097698.D
 Acq: 15 Aug 2017 18:34

Tgt Ion:180 Resp: 227935
 Ion Ratio Lower Upper
 180 100
 182 97.5 75.8 113.6
 145 32.7 25.3 37.9





#31

Naphthalene

Concen: 29.14 ng

RT: 8.09 min Scan# 1020

Delta R.T. -0.01 min

Lab File: BF097698.D

Acq: 15 Aug 2017 18:34

Instrument :

BNA_F

ClientSampleId :

TOPSOIL-MATERIAL-COMPMS

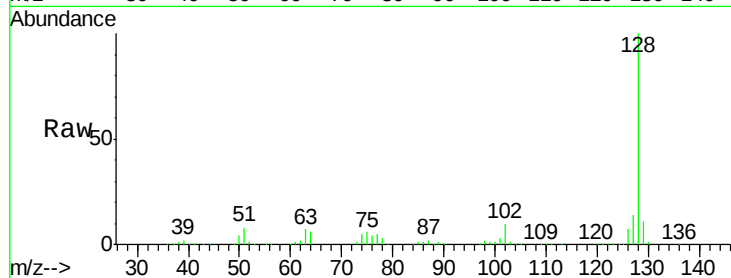
Tot Ion:128 Resp: 835317

Ion Ratio Lower Upper

128 100

129 11.4 9.0 13.6

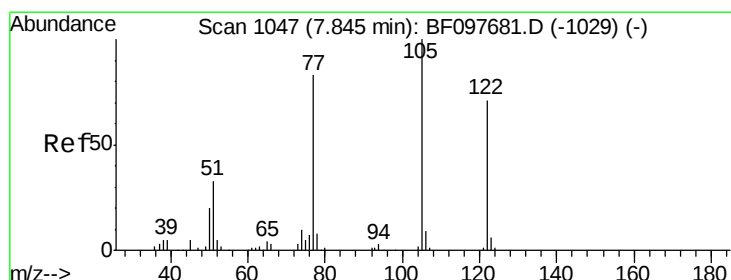
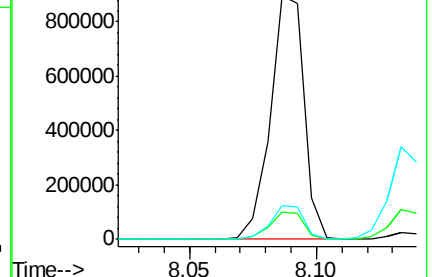
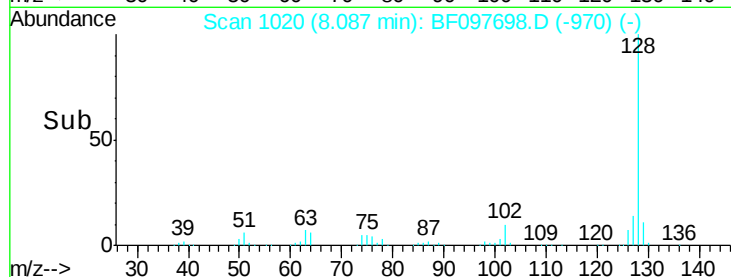
127 13.6 10.8 16.2



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: 25.77 ng

RT: 7.82 min Scan# 975

Delta R.T. -0.02 min

Lab File: BF097698.D

Acq: 15 Aug 2017 18:34

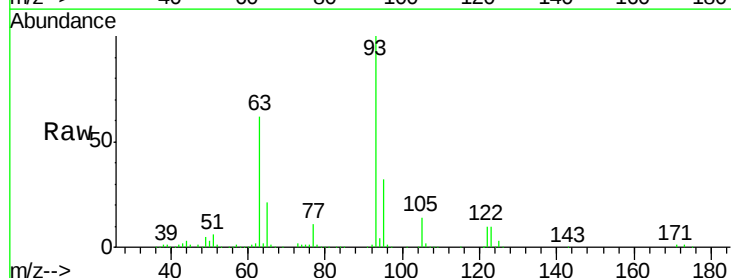
Tgt Ion:122 Resp: 143498

Ion Ratio Lower Upper

122 100

105 140.3 103.3 143.3

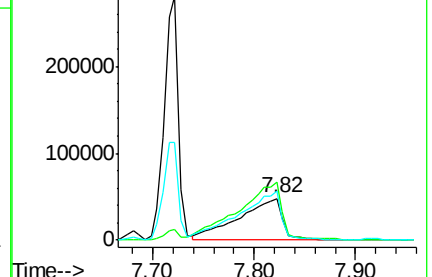
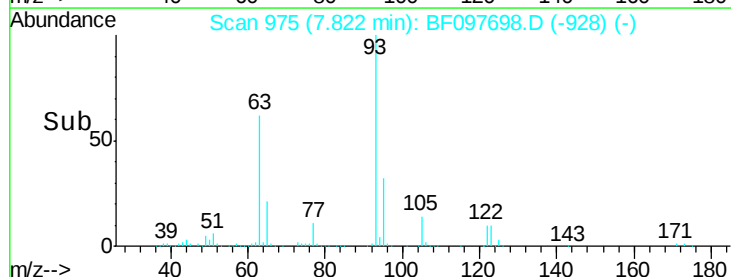
77 117.1 73.7 113.7#

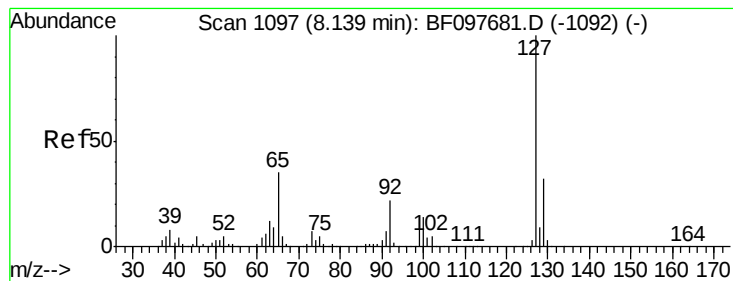


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0





#33

4-Chloroaniline

Concen: 25.35 ng

RT: 8.13 min Scan# 1028

Delta R.T. -0.01 min

Lab File: BF097698.D

Acq: 15 Aug 2017 18:34

Instrument :

BNA_F

ClientSampleId :

TOPSOIL-MATERIAL-COMPMS

Tot Ion:127 Resp: 306503

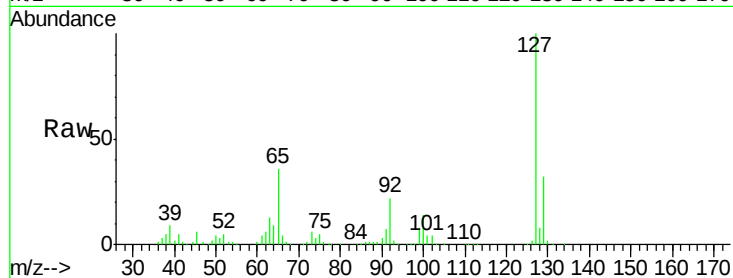
Ion Ratio Lower Upper

127 100

129 32.0 26.2 39.2

65 36.2 27.8 41.8

92 21.6 16.8 25.2

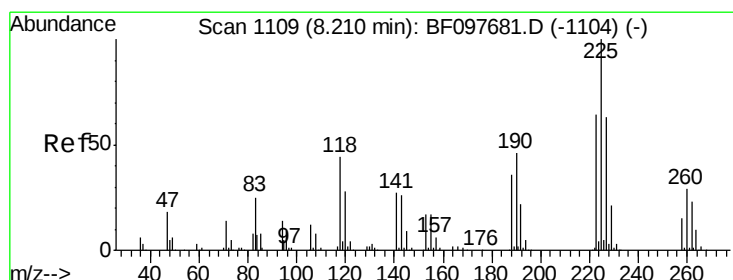
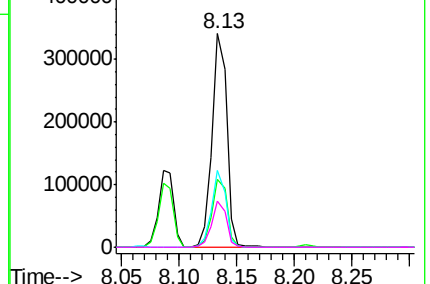
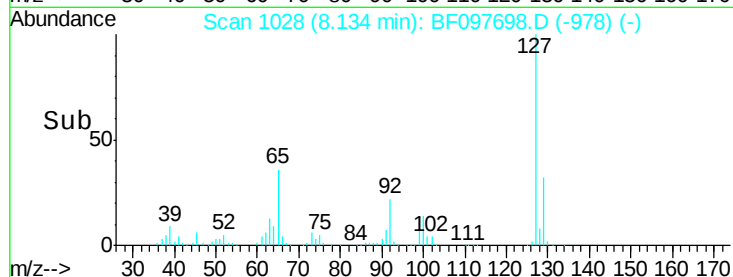


Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0



#34

Hexachlorobutadiene

Concen: 28.15 ng

RT: 8.21 min Scan# 1041

Delta R.T. 0.00 min

Lab File: BF097698.D

Acq: 15 Aug 2017 18:34

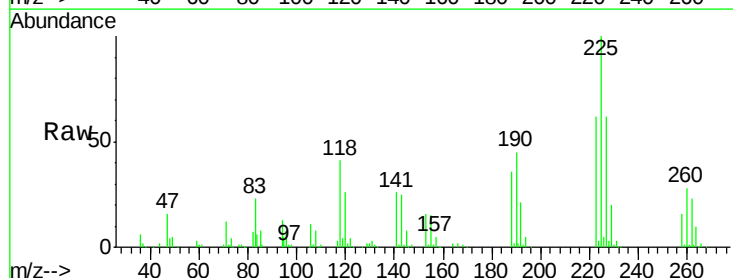
Tgt Ion:225 Resp: 133304

Ion Ratio Lower Upper

225 100

223 61.6 48.8 73.2

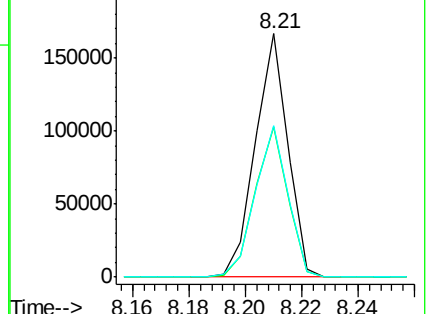
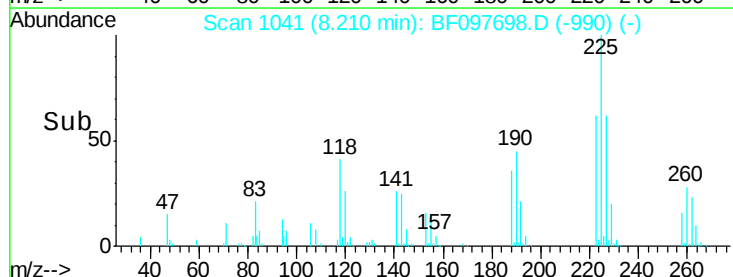
227 62.0 51.1 76.7

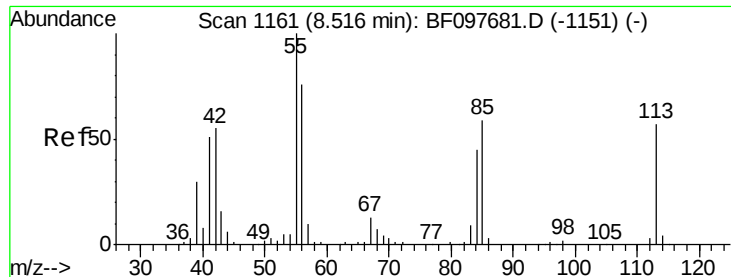


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

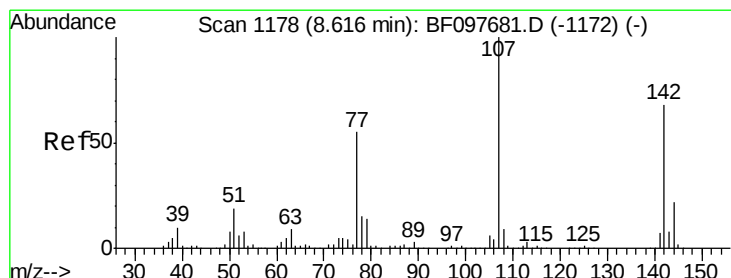
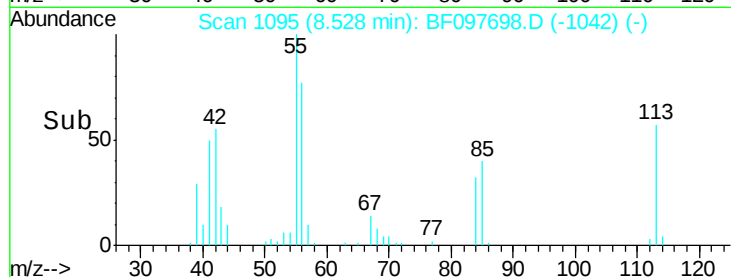
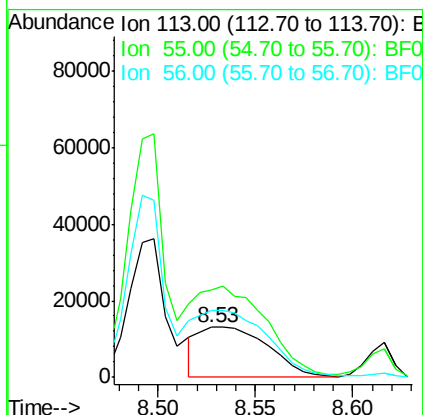
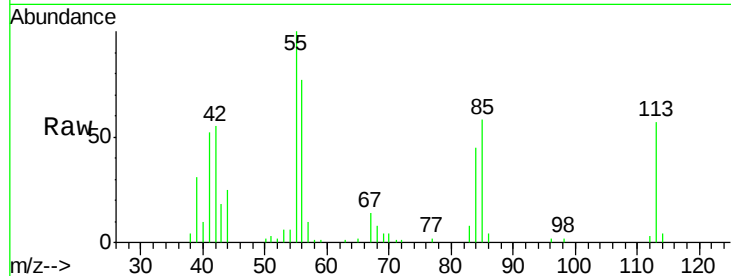




#35
Caprolactam
Concen: 13.13 ng
RT: 8.53 min Scan# 1095
Delta R.T. 0.01 min
Lab File: BF097698.D
Acq: 15 Aug 2017 18:34

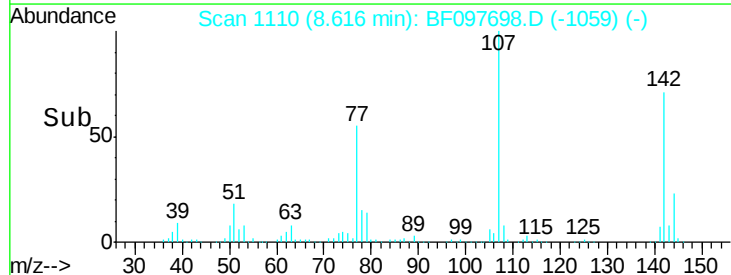
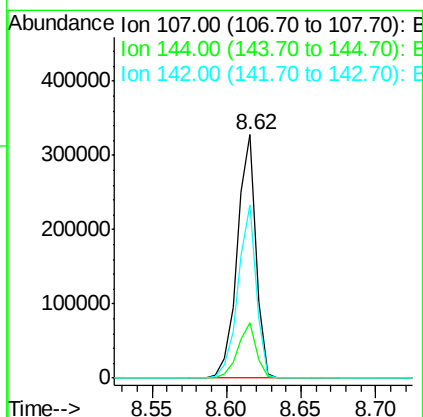
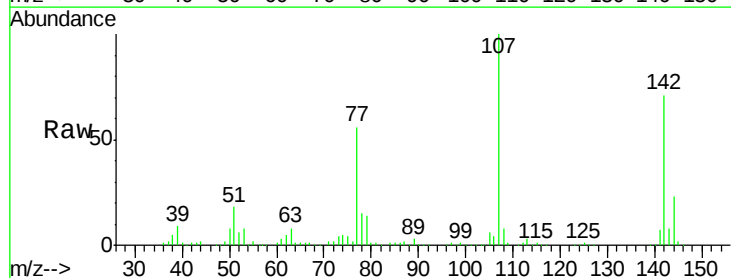
Instrument :
BNA_F
ClientSampleId :
TOPSOIL-MATERIAL-COMPMS

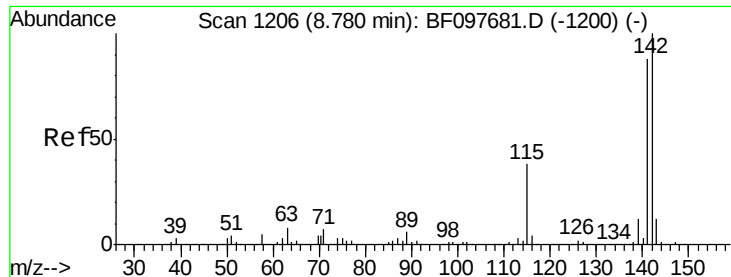
Tot Ion:113 Resp: 32651
Ion Ratio Lower Upper
113 100
55 174.8 150.2 190.2
56 134.7 107.8 147.8



#36
4-Chloro-3-methylphenol
Concen: 30.68 ng
RT: 8.62 min Scan# 1110
Delta R.T. 0.00 min
Lab File: BF097698.D
Acq: 15 Aug 2017 18:34

Tgt Ion:107 Resp: 288435
Ion Ratio Lower Upper
107 100
144 22.9 24.2 36.4#
142 70.9 73.4 110.0#

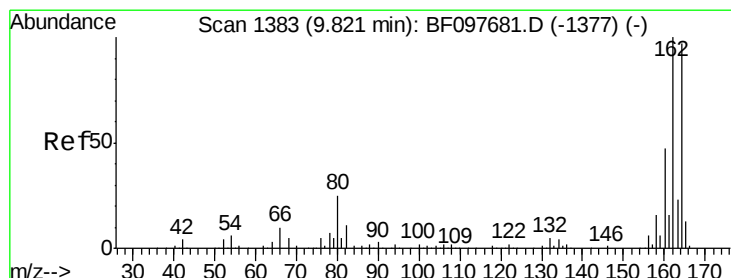
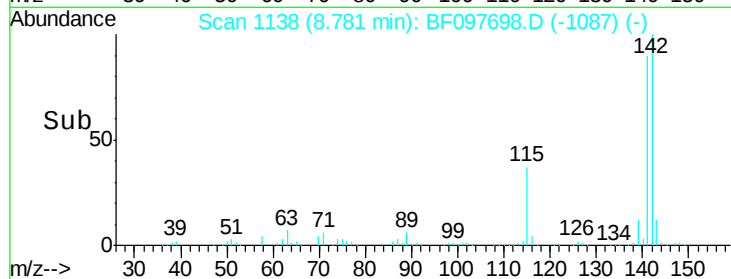
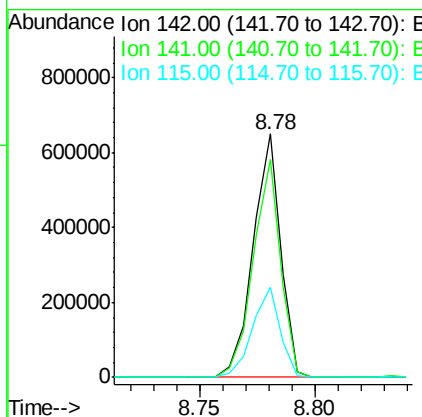
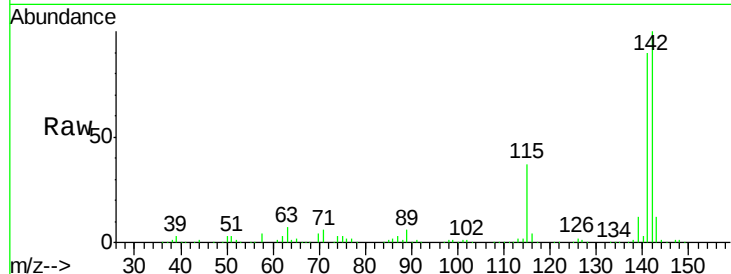




#37
 2-Methylnaphthalene
 Concen: 30.89 ng
 RT: 8.78 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: BF097698.D
 Acq: 15 Aug 2017 18:34

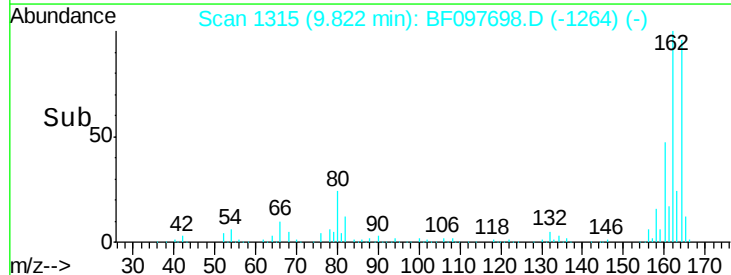
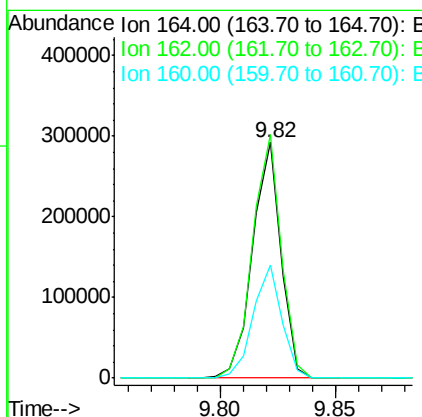
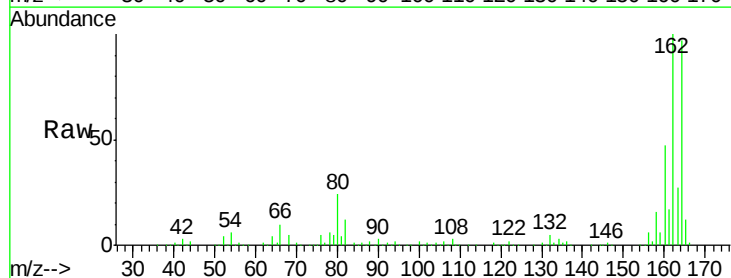
Instrument :
 BNA_F
 ClientSampleId :
 TOPSOIL-MATERIAL-COMPMS

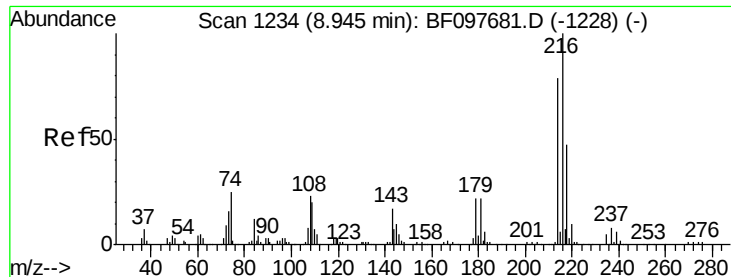
Tot Ion:142 Resp: 542948
 Ion Ratio Lower Upper
 142 100
 141 89.6 71.3 106.9
 115 37.2 27.1 40.7



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.82 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: BF097698.D
 Acq: 15 Aug 2017 18:34

Tgt Ion:164 Resp: 250914
 Ion Ratio Lower Upper
 164 100
 162 103.4 82.6 123.8
 160 48.1 36.2 54.2

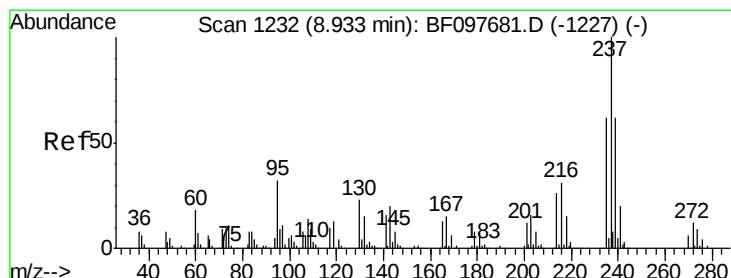
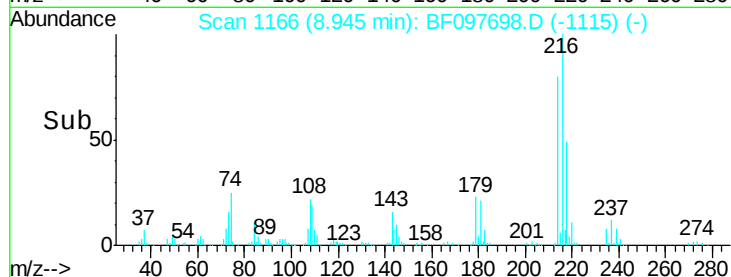
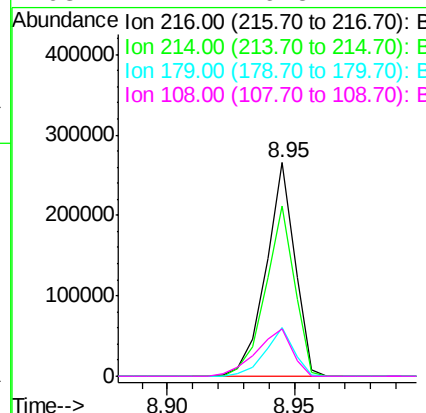
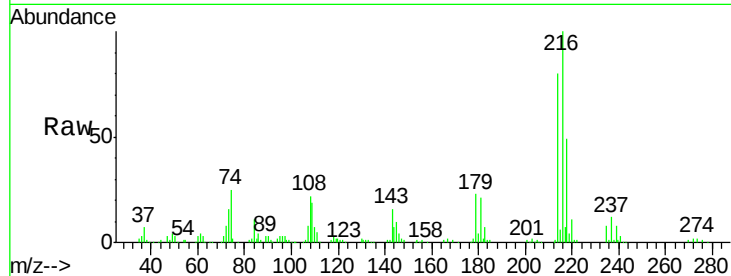




#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 27.45 ng
 RT: 8.95 min Scan# 1166
 Delta R.T. 0.00 min
 Lab File: BF097698.D
 Acq: 15 Aug 2017 18:34

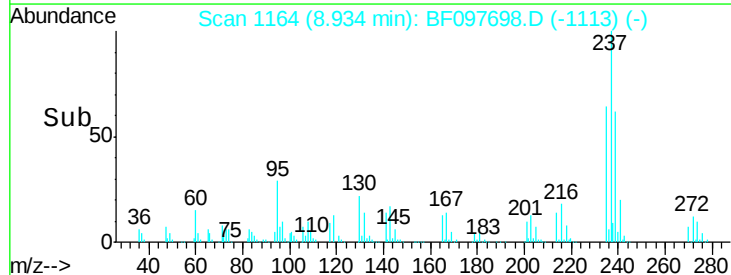
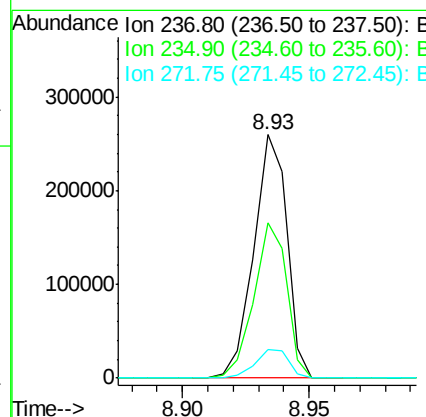
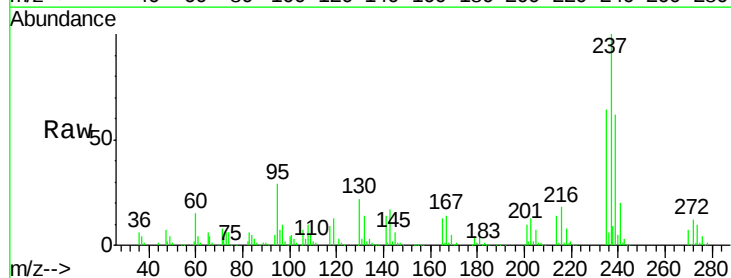
Instrument :
 BNA_F
 ClientSampleId :
 TOPSOIL-MATERIAL-COMPMS

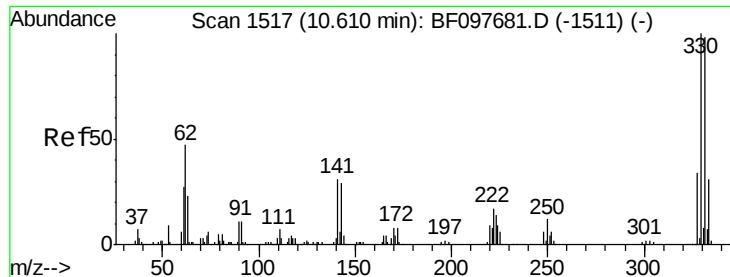
Tot Ion:	216	Resp:	211360
Ion	Ratio	Lower	Upper
216	100		
214	80.5	63.4	95.2
179	22.4	17.9	26.9
108	27.4	16.5	24.7#



#40
 Hexachlorocyclopentadiene
 Concen: 64.14 ng
 RT: 8.93 min Scan# 1164
 Delta R.T. 0.00 min
 Lab File: BF097698.D
 Acq: 15 Aug 2017 18:34

Tgt Ion:	237	Resp:	237282
Ion	Ratio	Lower	Upper
237	100		
235	63.9	42.6	82.6
272	11.8	0.0	31.9

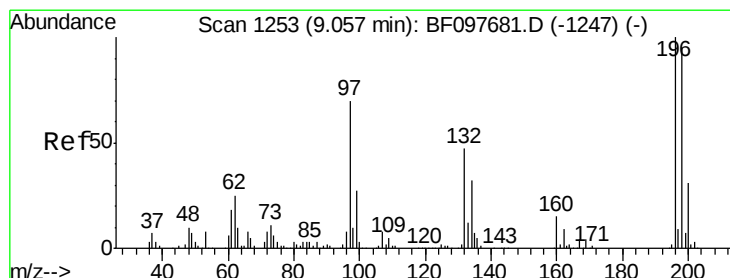
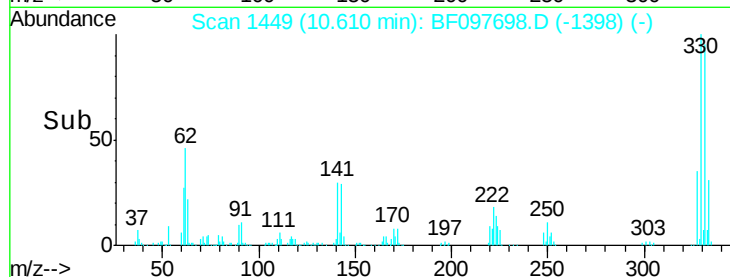
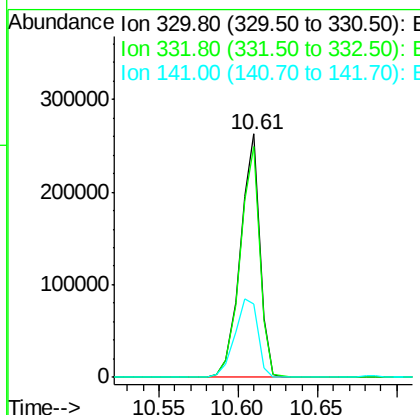
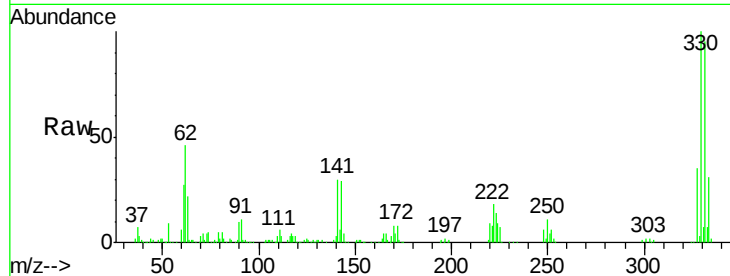




#41
 2,4,6-Tribromophenol
 Concen: 102.72 ng
 RT: 10.61 min Scan# 1449
 Delta R.T. 0.00 min
 Lab File: BF097698.D
 Acq: 15 Aug 2017 18:34

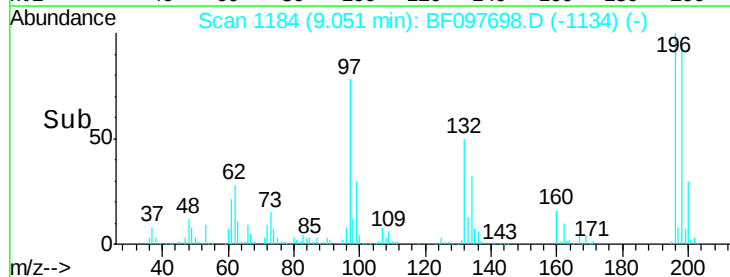
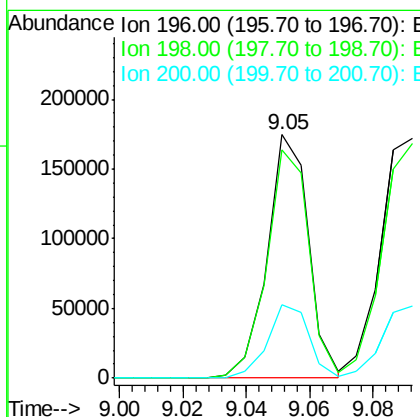
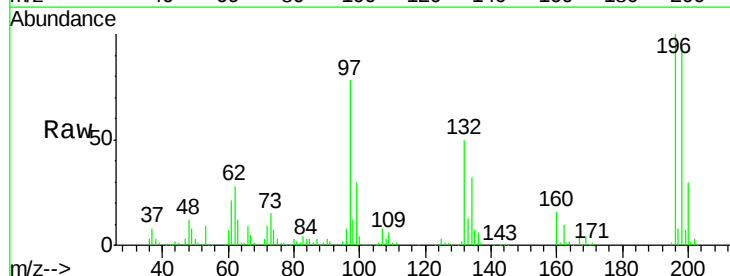
Instrument :
 BNA_F
 ClientSampleId :
 TOPSOIL-MATERIAL-COMPMS

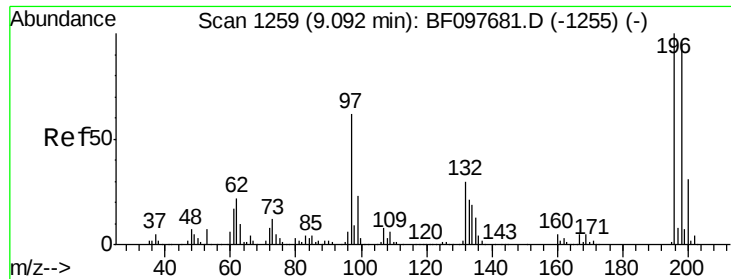
Tot Ion:330 Resp: 223631
 Ion Ratio Lower Upper
 330 100
 332 96.1 76.6 115.0
 141 38.6 31.4 47.2



#42
 2,4,6-Trichlorophenol
 Concen: 30.56 ng
 RT: 9.05 min Scan# 1184
 Delta R.T. -0.01 min
 Lab File: BF097698.D
 Acq: 15 Aug 2017 18:34

Tgt Ion:196 Resp: 157979
 Ion Ratio Lower Upper
 196 100
 198 93.5 74.2 111.4
 200 29.9 24.0 36.0

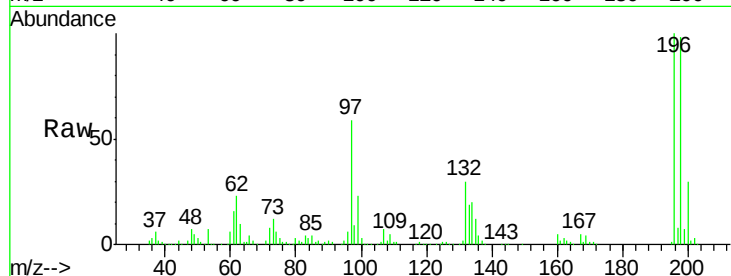




#43
 2,4,5-Trichlorophenol
 Concen: 32.98 ng
 RT: 9.09 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: BF097698.D
 Acq: 15 Aug 2017 18:34

Instrument :
 BNA_F
 ClientSampleId :
 TOPSOIL-MATERIAL-COMPMS

Tot Ion	Ratio	Lower	Upper
196	100		
198	97.7	75.7	113.5
97	58.7	47.7	71.5
132	29.6	28.0	42.0



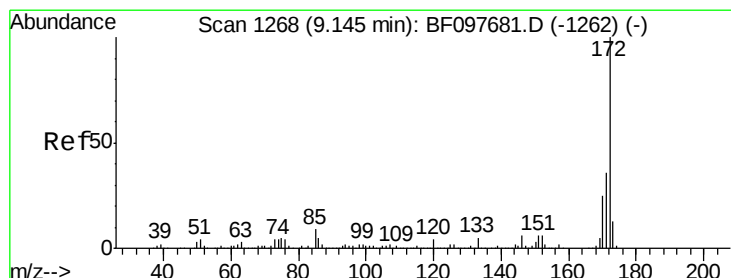
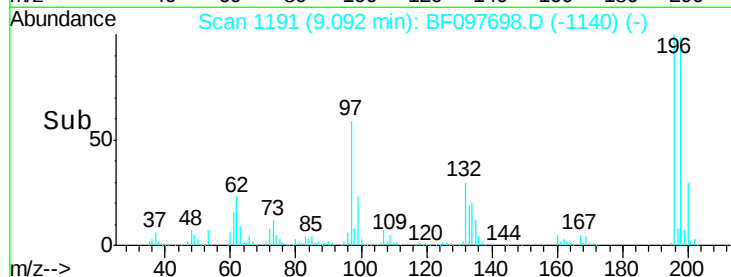
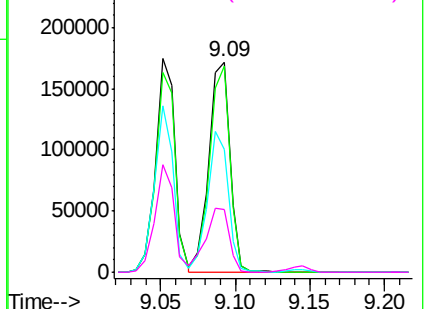
Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

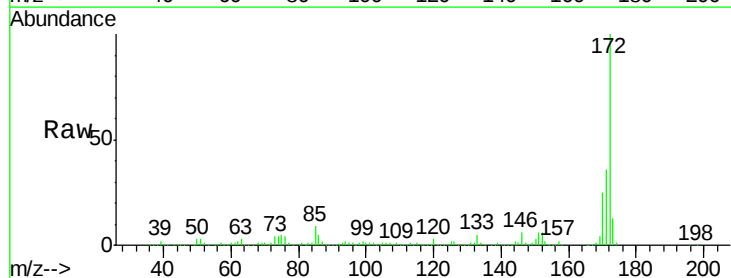
Ion 97.00 (96.70 to 97.70): BF0

Ion 132.00 (131.70 to 132.70): E



#44
 2-Fluorobiphenyl
 Concen: 56.23 ng
 RT: 9.15 min Scan# 1200
 Delta R.T. 0.00 min
 Lab File: BF097698.D
 Acq: 15 Aug 2017 18:34

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.6	44.4
170	24.5	19.8	29.8

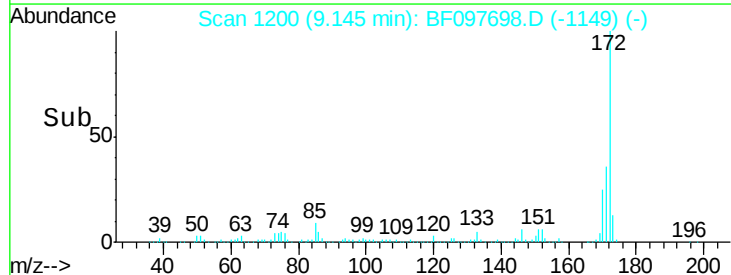
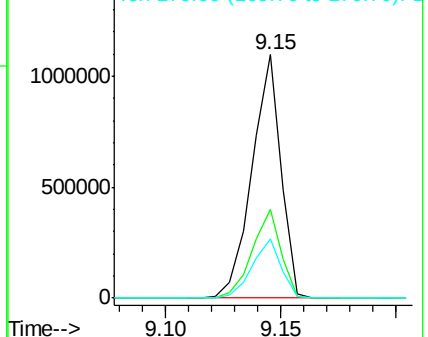


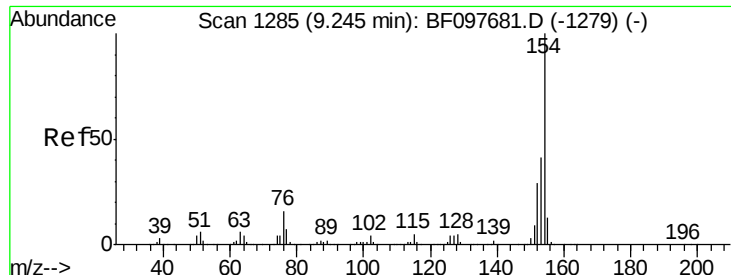
Abundance

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: 28.36 ng

RT: 9.25 min Scan# 1217

Delta R.T. 0.00 min

Lab File: BF097698.D

Acq: 15 Aug 2017 18:34

Instrument :

BNA_F

ClientSampleId :

TOPSOIL-MATERIAL-COMPMS

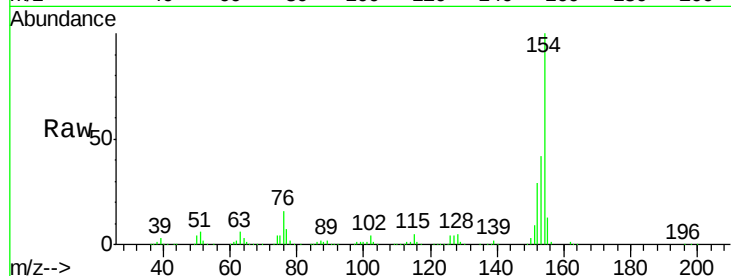
Tot Ion:154 Resp: 648803

Ion Ratio Lower Upper

154 100

153 41.7 21.2 61.2

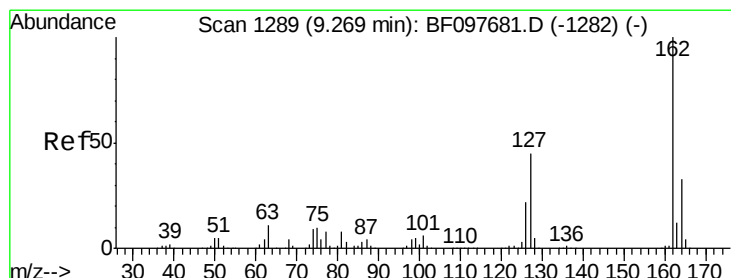
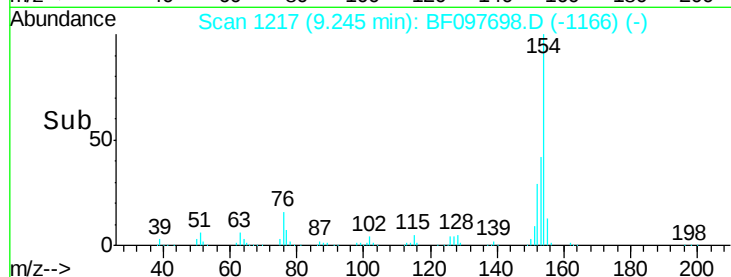
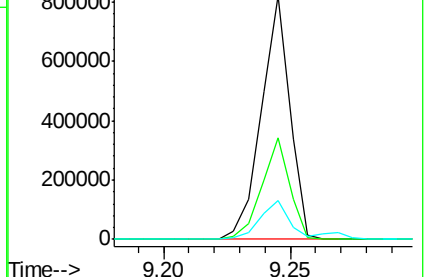
76 15.9 0.0 29.9



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): BF0



#46

2-Chloronaphthalene

Concen: 28.09 ng

RT: 9.27 min Scan# 1221

Delta R.T. 0.00 min

Lab File: BF097698.D

Acq: 15 Aug 2017 18:34

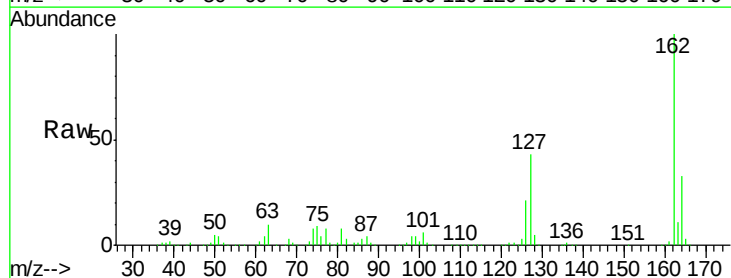
Tgt Ion:162 Resp: 474885

Ion Ratio Lower Upper

162 100

127 43.0 28.3 42.5#

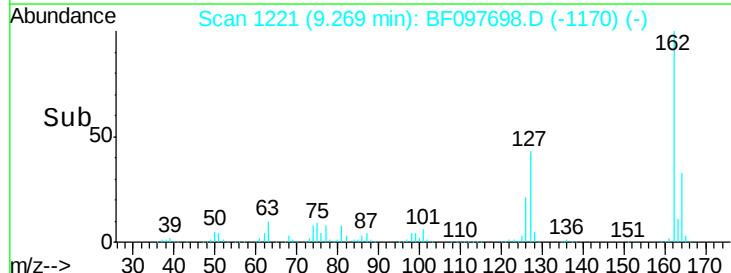
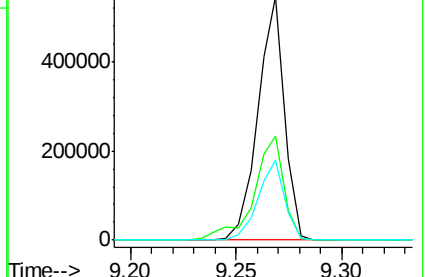
164 32.9 27.0 40.4

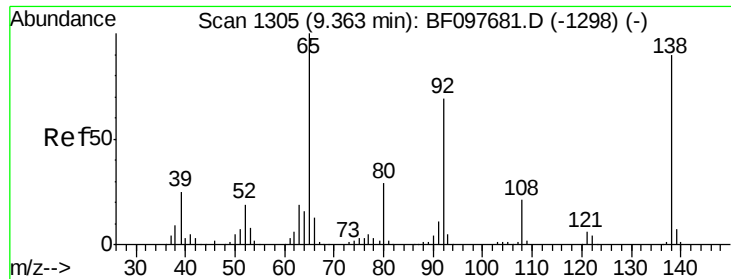


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E

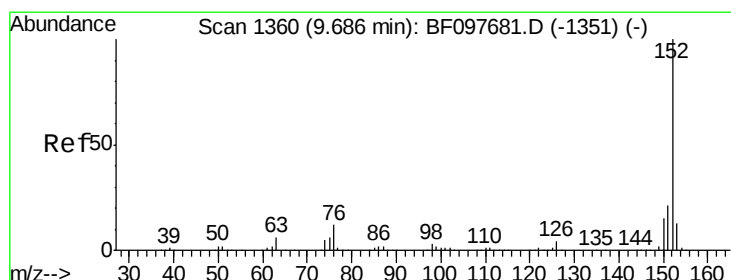
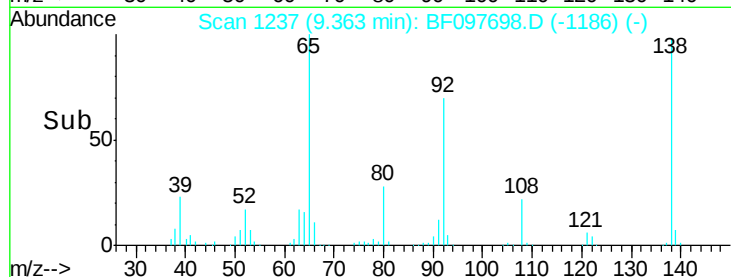
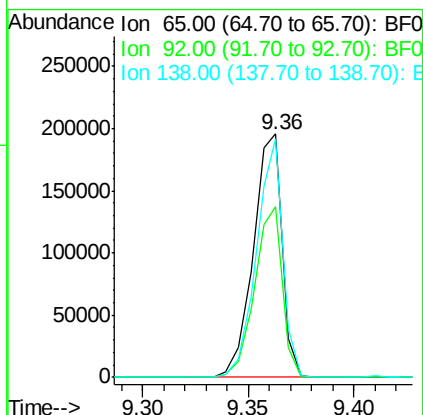
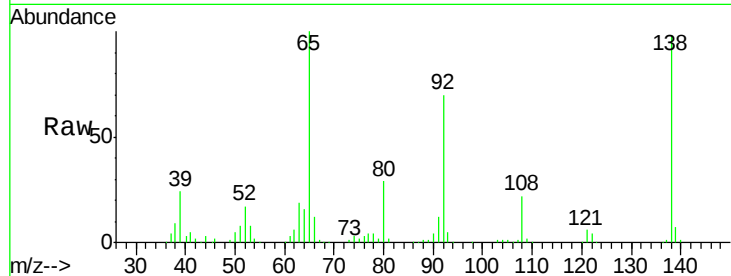




#47
2-Nitroaniline
Concen: 32.80 ng
RT: 9.36 min Scan# 1237
Delta R.T. 0.00 min
Lab File: BF097698.D
Acq: 15 Aug 2017 18:34

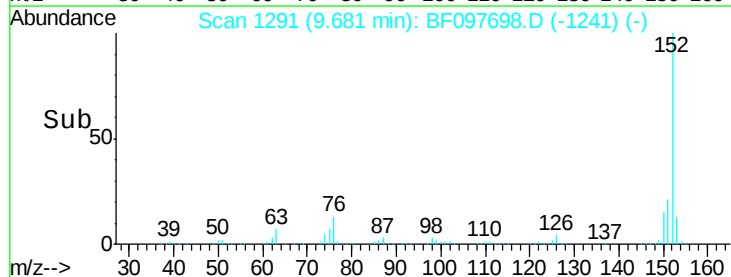
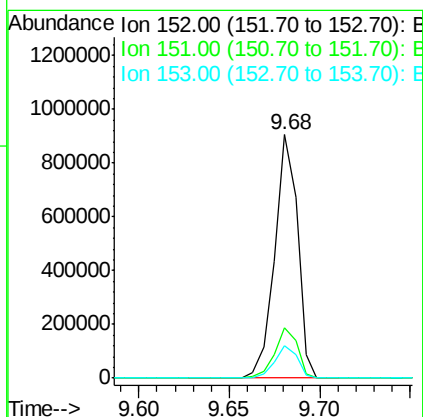
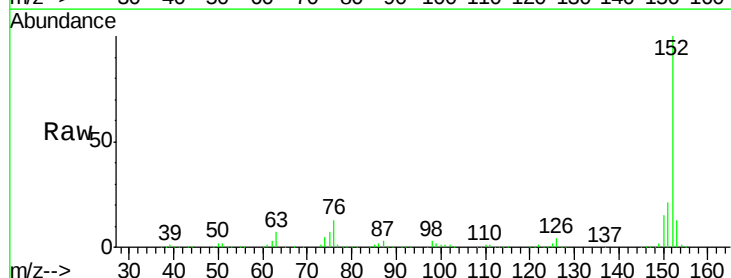
Instrument :
BNA_F
ClientSampleId :
TOPSOIL-MATERIAL-COMPMS

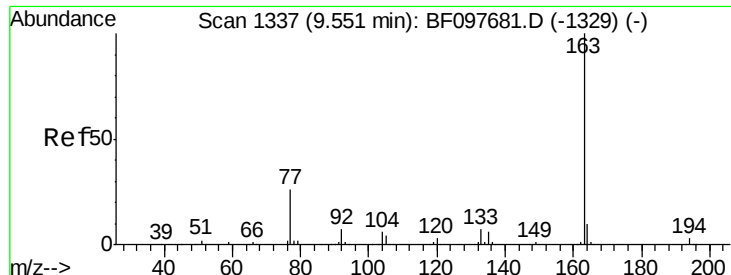
Tot Ion: 65 Resp: 185921
Ion Ratio Lower Upper
65 100
92 70.1 53.9 80.9
138 97.8 78.8 118.2



#48
Acenaphthylene
Concen: 29.87 ng
RT: 9.68 min Scan# 1291
Delta R.T. -0.01 min
Lab File: BF097698.D
Acq: 15 Aug 2017 18:34

Tgt Ion: 152 Resp: 793126
Ion Ratio Lower Upper
152 100
151 20.7 16.8 25.2
153 13.5 10.8 16.2

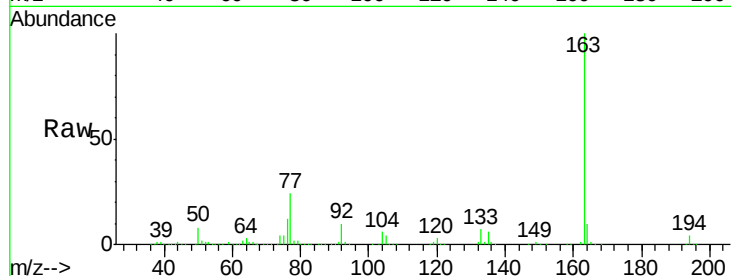




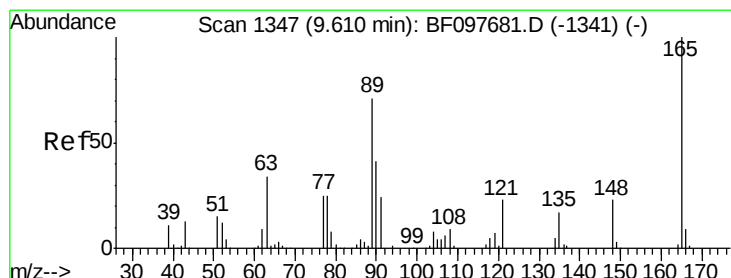
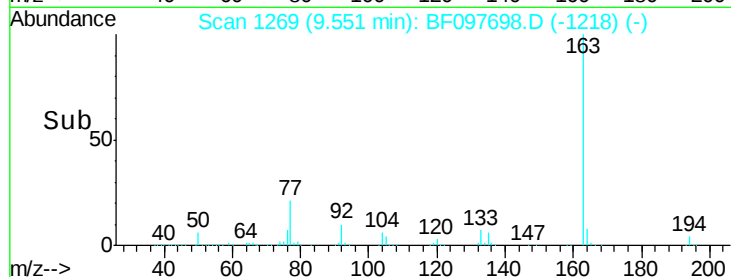
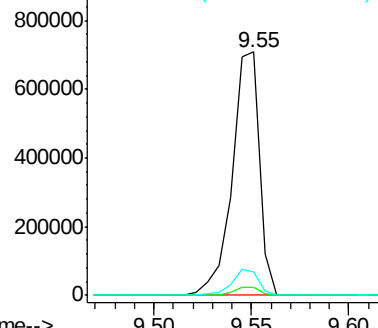
#49
Dimethylphthalate
Concen: 37.60 ng
RT: 9.55 min Scan# 1269
Delta R.T. 0.00 min
Lab File: BF097698.D
Acq: 15 Aug 2017 18:34

Instrument :
BNA_F
ClientSampleId :
TOPSOIL-MATERIAL-COMPMS

Tot Ion:163 Resp: 689704
Ion Ratio Lower Upper
163 100
194 3.5 2.6 4.0
164 9.7 8.4 12.6

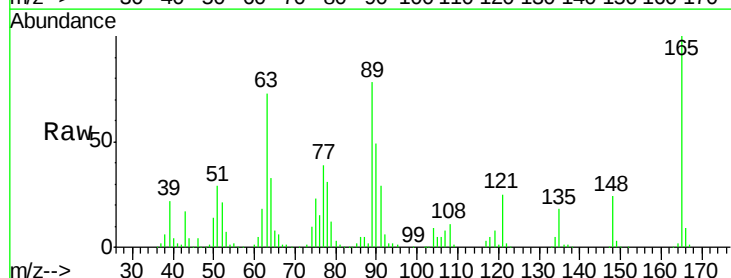


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

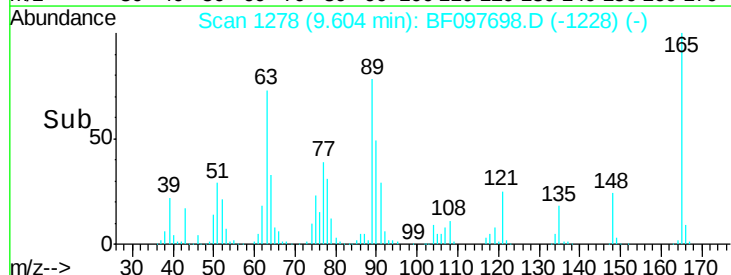
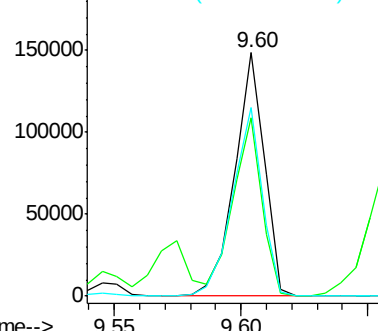


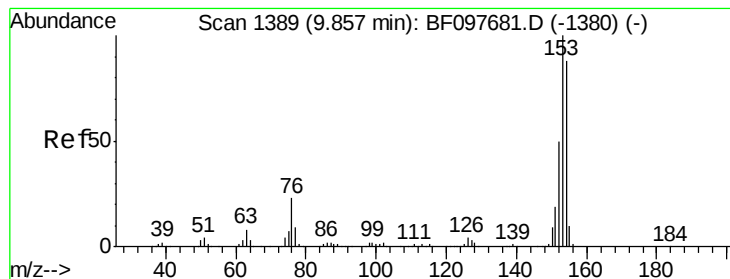
#50
2,6-Dinitrotoluene
Concen: 33.29 ng
RT: 9.60 min Scan# 1278
Delta R.T. -0.01 min
Lab File: BF097698.D
Acq: 15 Aug 2017 18:34

Tgt Ion:165 Resp: 121877
Ion Ratio Lower Upper
165 100
63 73.4 34.3 51.5#
89 77.5 37.1 55.7#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 31.28 ng

RT: 9.86 min Scan# 1321

Delta R.T. 0.00 min

Lab File: BF097698.D

Acq: 15 Aug 2017 18:34

Instrument :

BNA_F

ClientSampleId :

TOPSOIL-MATERIAL-COMPMS

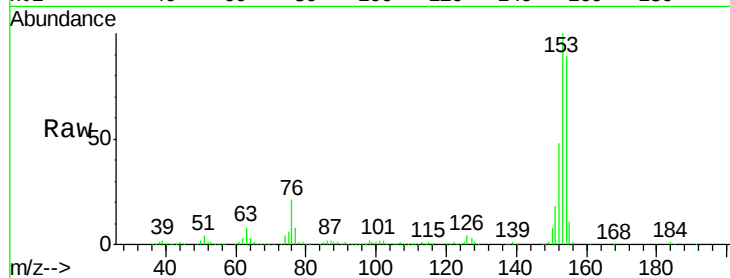
Tot Ion:154 Resp: 523714

Ion Ratio Lower Upper

154 100

153 112.9 90.5 135.7

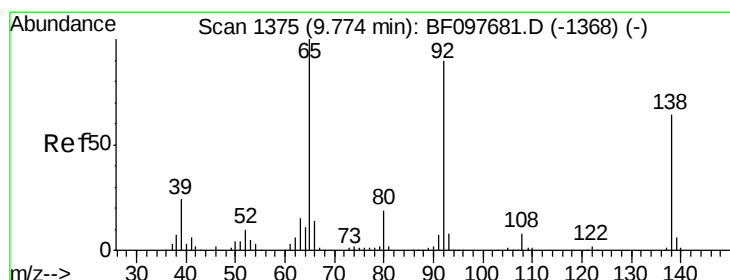
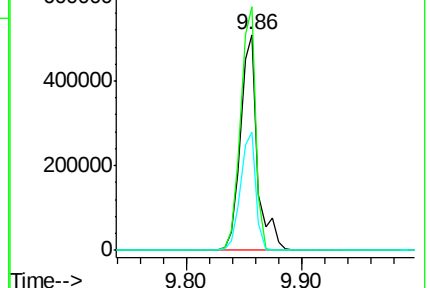
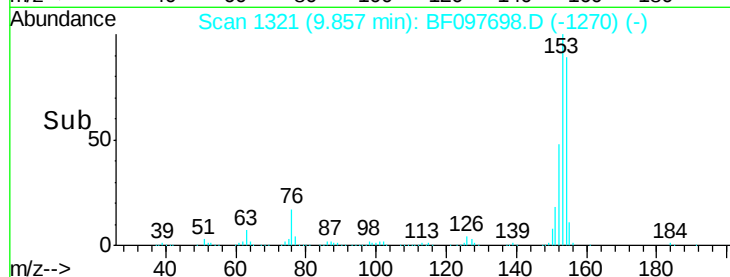
152 54.6 43.6 65.4



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: 26.66 ng

RT: 9.77 min Scan# 1306

Delta R.T. -0.01 min

Lab File: BF097698.D

Acq: 15 Aug 2017 18:34

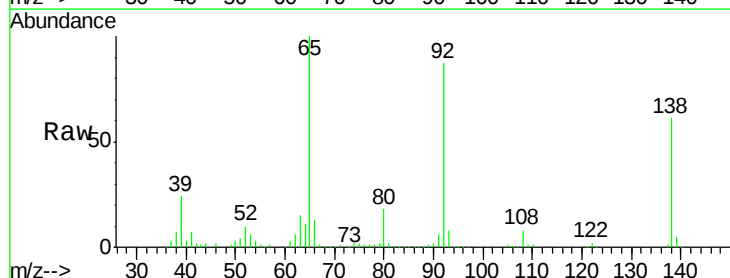
Tgt Ion:138 Resp: 125923

Ion Ratio Lower Upper

138 100

108 12.3 9.1 13.7

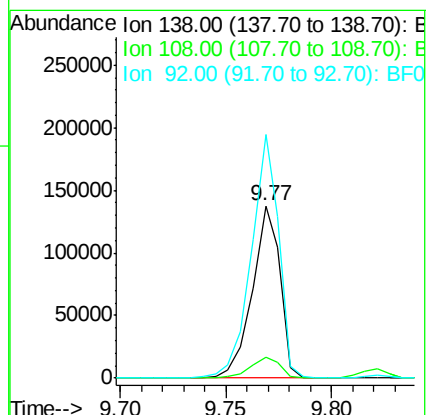
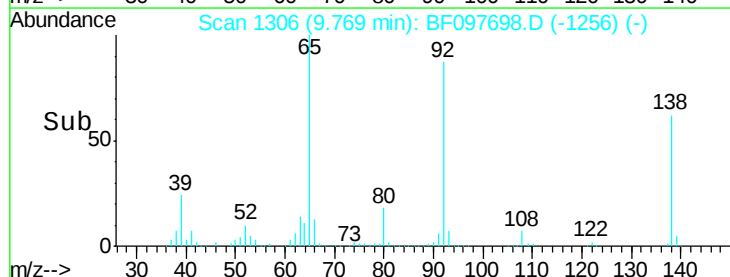
92 141.1 93.8 140.6#

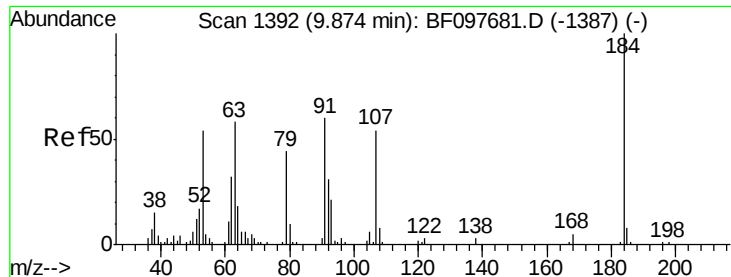


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

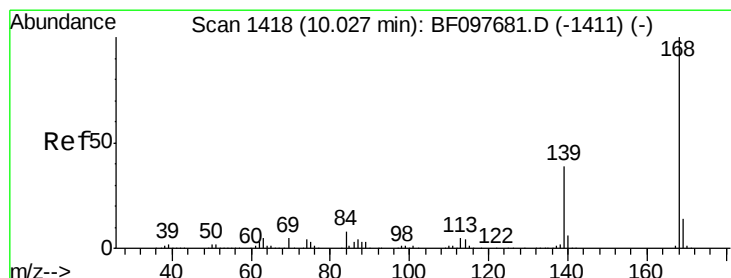
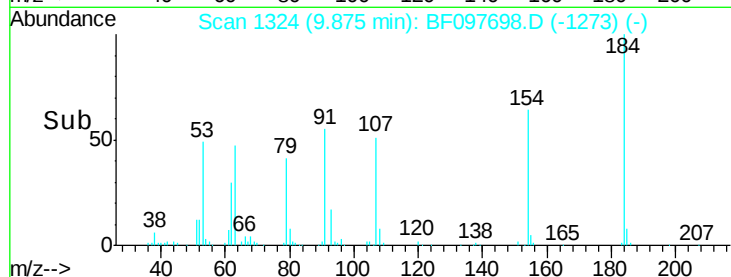
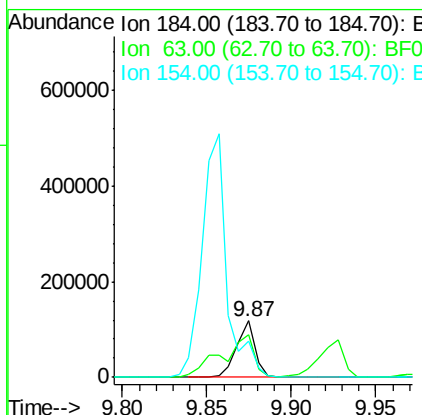
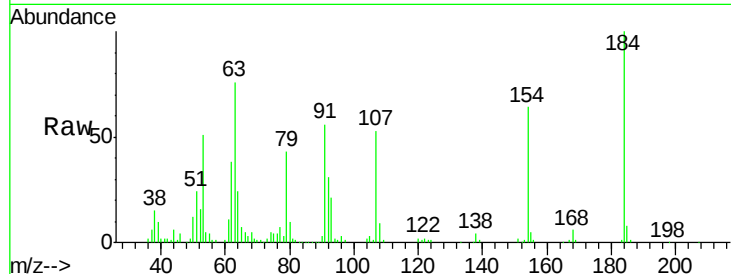




#53
 2,4-Dinitrophenol
 Concen: 55.16 ng
 RT: 9.87 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: BF097698.D
 Acq: 15 Aug 2017 18:34

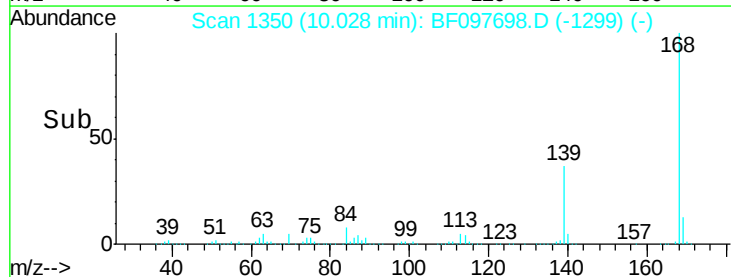
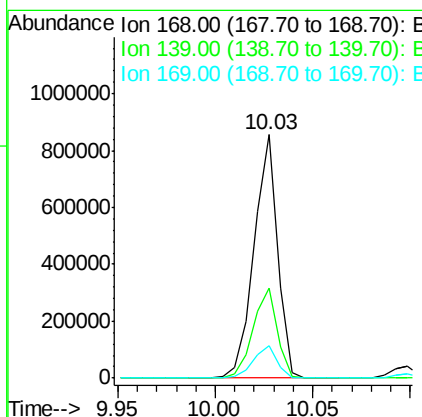
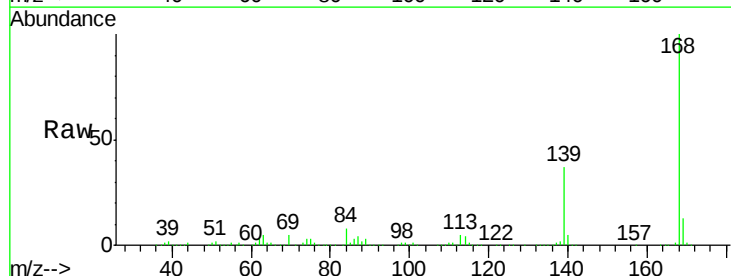
Instrument :
 BNA_F
 ClientSampleId :
 TOPSOIL-MATERIAL-COMPMS

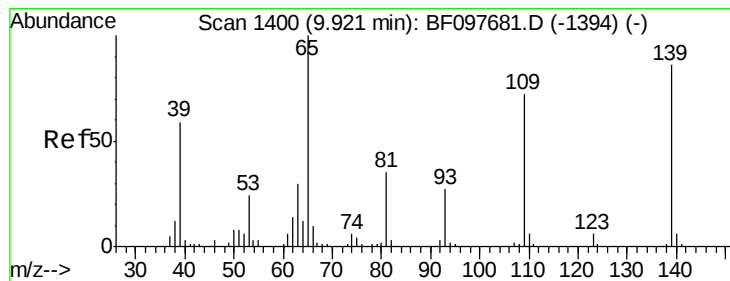
Tot Ion:184 Resp: 89773
 Ion Ratio Lower Upper
 184 100
 63 75.6 62.7 94.1
 154 64.1 81.1 121.7#



#54
 Dibenzofuran
 Concen: 31.84 ng
 RT: 10.03 min Scan# 1350
 Delta R.T. 0.00 min
 Lab File: BF097698.D
 Acq: 15 Aug 2017 18:34

Tgt Ion:168 Resp: 714550
 Ion Ratio Lower Upper
 168 100
 139 37.2 30.6 45.8
 169 13.2 10.8 16.2





#55

4-Nitrophenol

Concen: 59.94 ng

RT: 9.93 min Scan# 1333

Delta R.T. 0.01 min

Lab File: BF097698.D

Acq: 15 Aug 2017 18:34

Instrument :

BNA_F

ClientSampleId :

TOPSOIL-MATERIAL-COMPMS

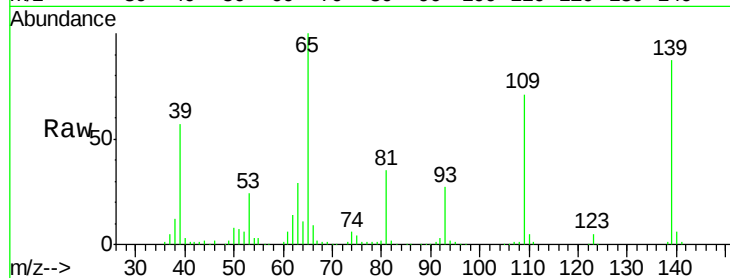
Tot Ion:139 Resp: 225845

Ion Ratio Lower Upper

139 100

109 82.3 34.1 74.1#

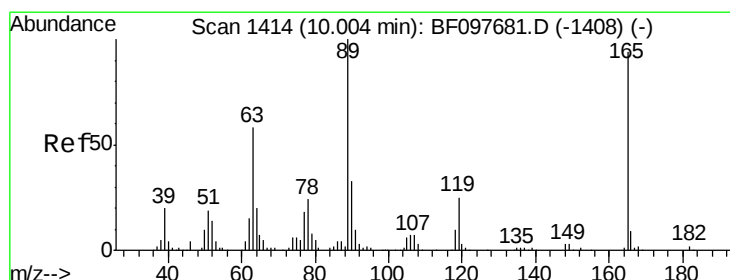
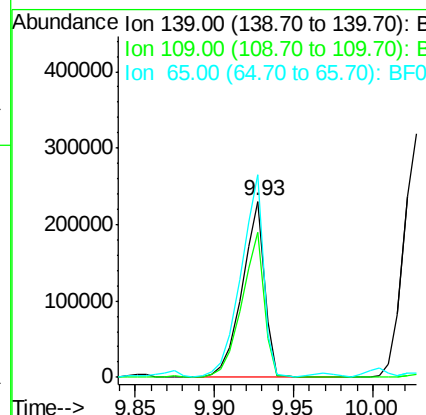
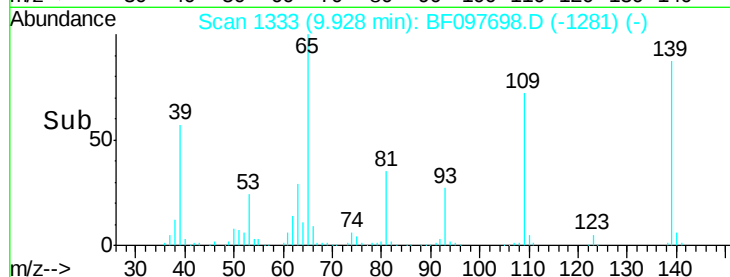
65 115.2 31.4 71.4#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0



#56

2,4-Dinitrotoluene

Concen: 35.27 ng

RT: 10.00 min Scan# 1346

Delta R.T. 0.00 min

Lab File: BF097698.D

Acq: 15 Aug 2017 18:34

Tgt Ion:165 Resp: 162025

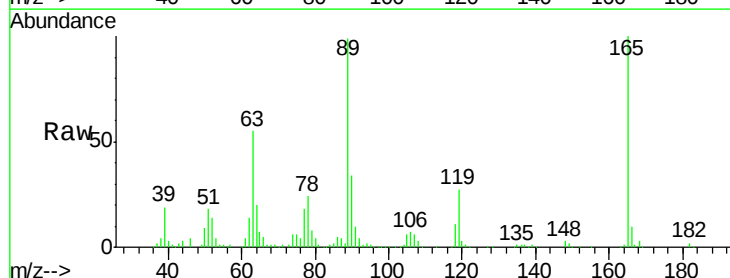
Ion Ratio Lower Upper

165 100

63 55.1 25.4 38.0#

89 98.7 46.4 69.6#

182 2.4 1.8 2.6

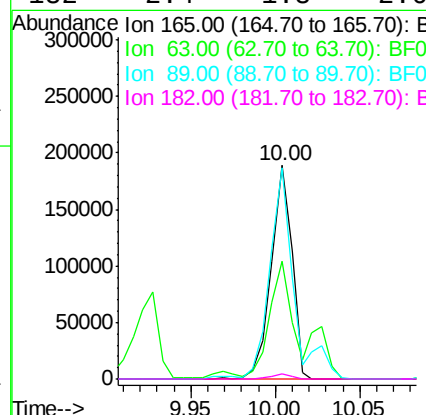
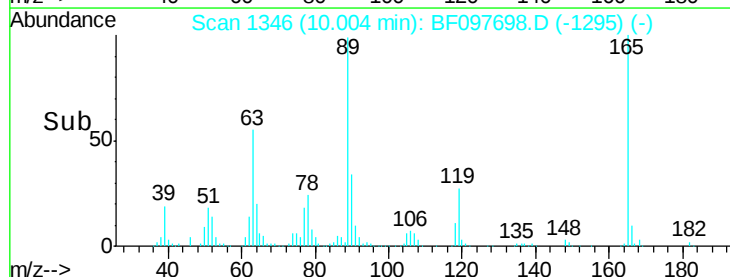


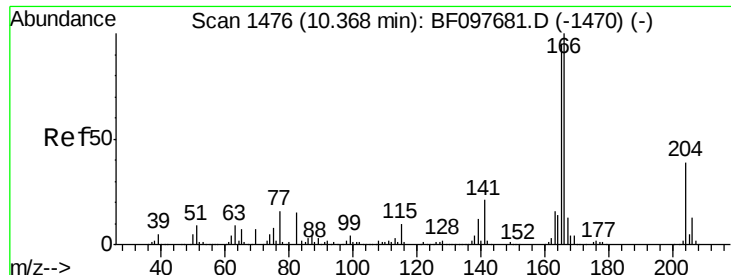
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E

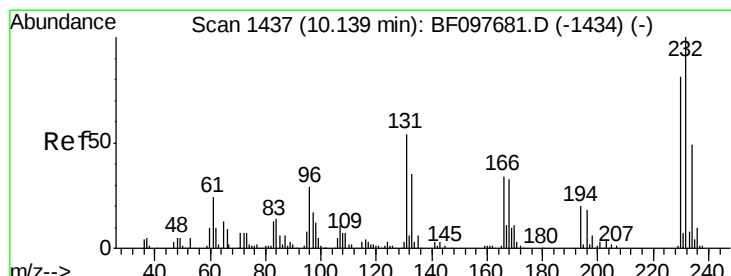
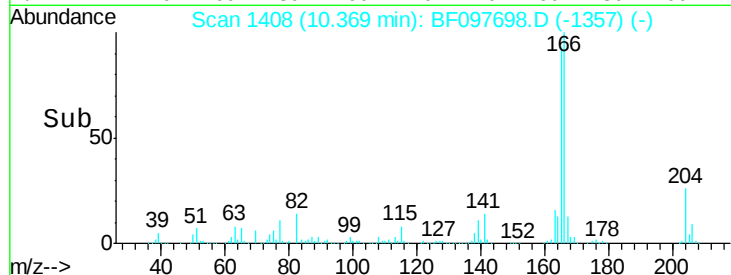
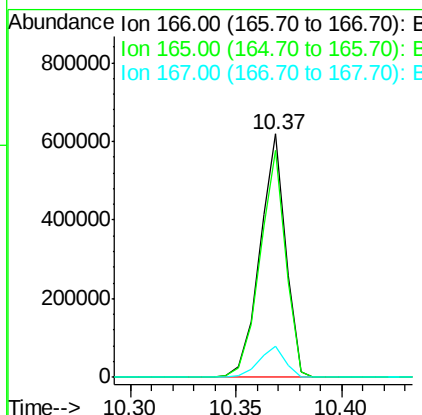
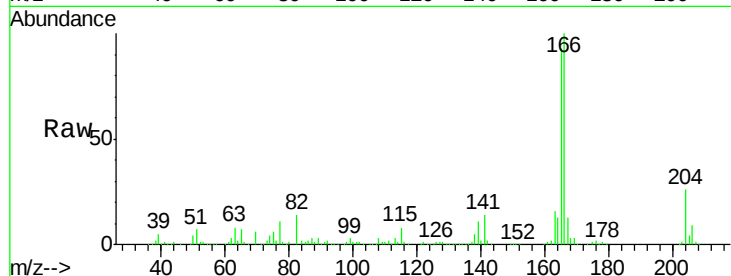




#57
Fluorene
 Concen: 30.04 ng
 RT: 10.37 min Scan# 1408
 Delta R.T. 0.00 min
 Lab File: BF097698.D
 Acq: 15 Aug 2017 18:34

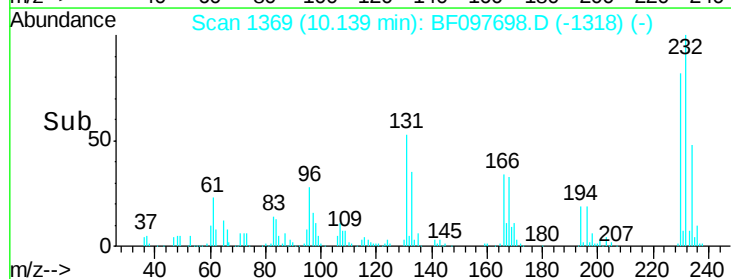
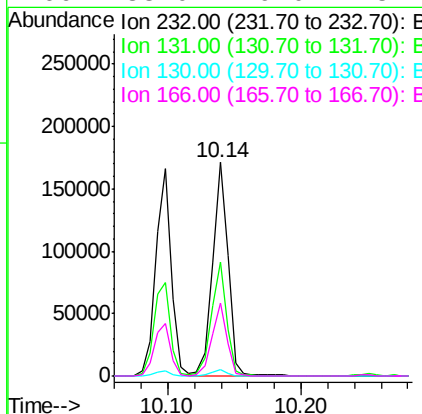
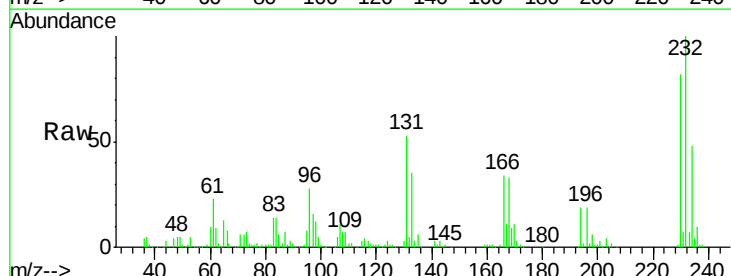
Instrument :
 BNA_F
 ClientSampleId :
 TOPSOIL-MATERIAL-COMPMS

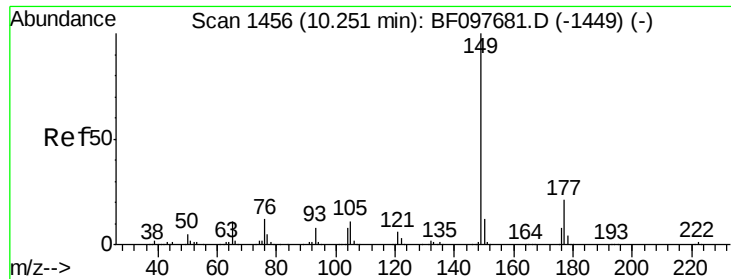
Tot Ion:166 Resp: 521199
 Ion Ratio Lower Upper
 166 100
 165 93.1 78.8 118.2
 167 12.8 10.6 16.0



#58
2,3,4,6-Tetrachlorophenol
 Concen: 35.50 ng
 RT: 10.14 min Scan# 1369
 Delta R.T. 0.00 min
 Lab File: BF097698.D
 Acq: 15 Aug 2017 18:34

Tgt Ion:232 Resp: 140984
 Ion Ratio Lower Upper
 232 100
 131 52.2 44.8 67.2
 130 2.8 2.3 3.5
 166 33.0 29.0 43.4

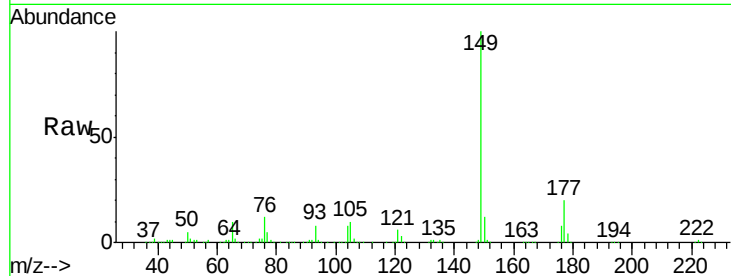




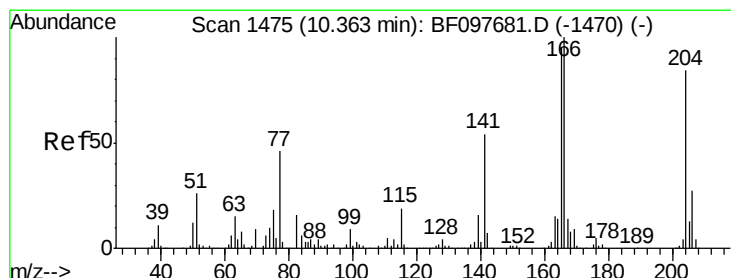
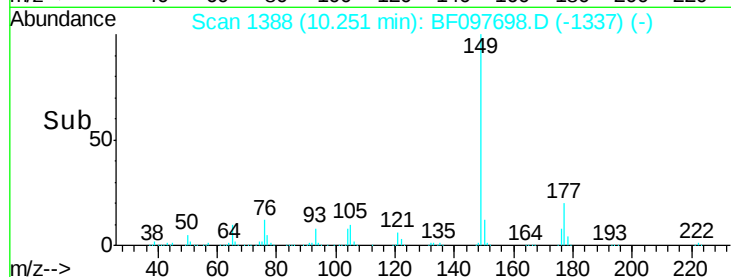
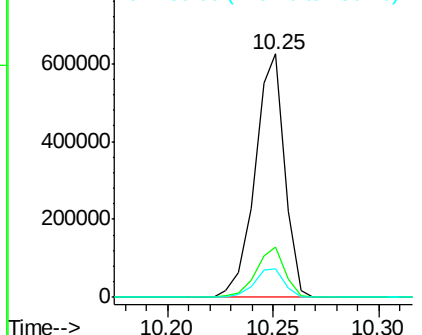
#59
Diethylphthalate
Concen: 31.74 ng
RT: 10.25 min Scan# 1388
Delta R.T. 0.00 min
Lab File: BF097698.D
Acq: 15 Aug 2017 18:34

Instrument :
BNA_F
ClientSampleId :
TOPSOIL-MATERIAL-COMPMS

Tot Ion:149 Resp: 608720
Ion Ratio Lower Upper
149 100
177 20.5 16.7 25.1
150 11.8 10.2 15.2

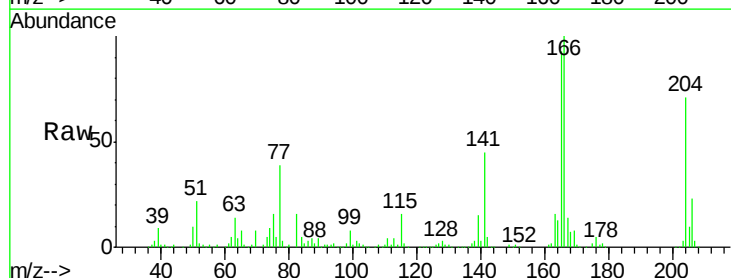


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E

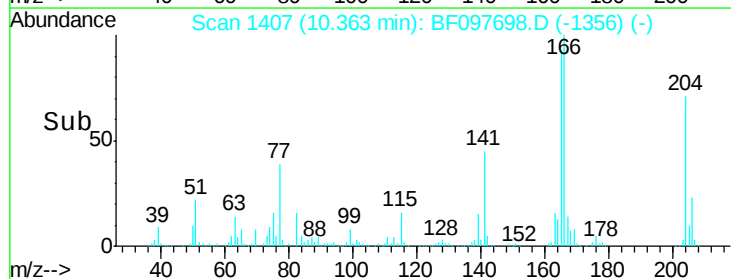
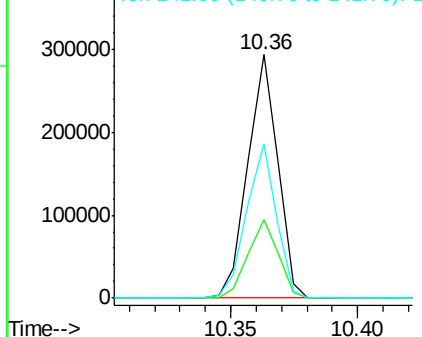


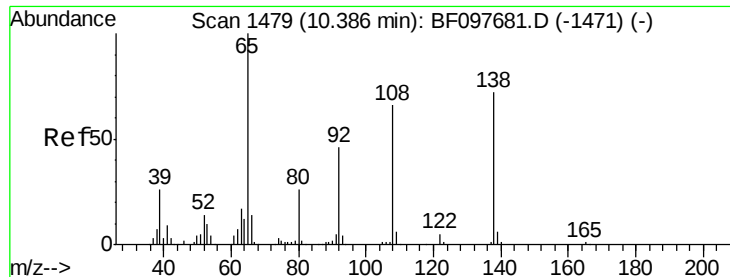
#60
4-Chlorophenyl-phenylether
Concen: 30.07 ng
RT: 10.36 min Scan# 1407
Delta R.T. 0.00 min
Lab File: BF097698.D
Acq: 15 Aug 2017 18:34

Tgt Ion:204 Resp: 242358
Ion Ratio Lower Upper
204 100
206 32.4 26.2 39.2
141 63.2 60.8 91.2



Abundance Ion 204.00 (203.70 to 204.70): E
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E

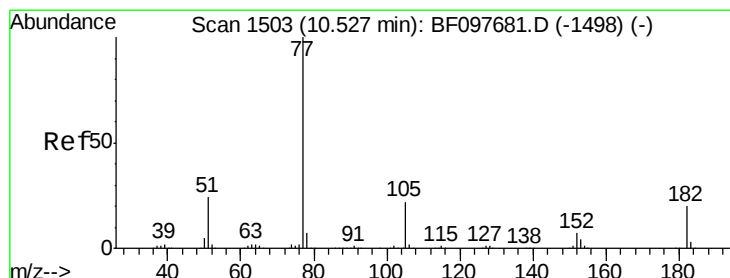
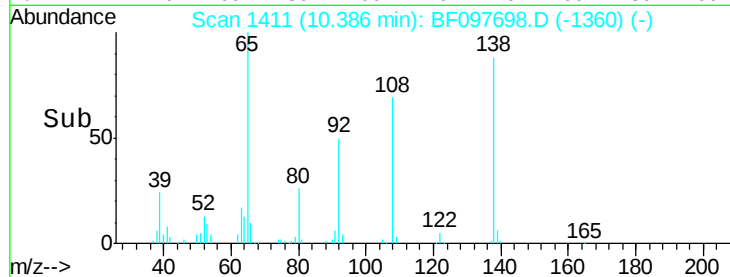
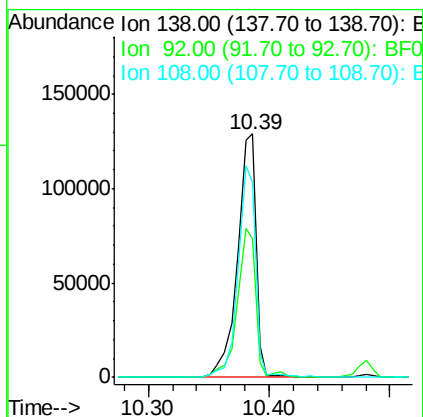
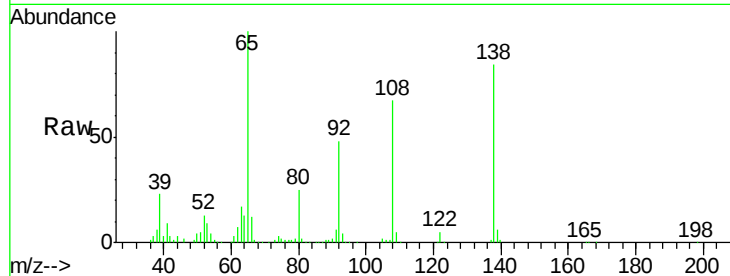




#61
4-Nitroaniline
Concen: 31.03 ng
RT: 10.39 min Scan# 1411
Delta R.T. 0.00 min
Lab File: BF097698.D
Acq: 15 Aug 2017 18:34

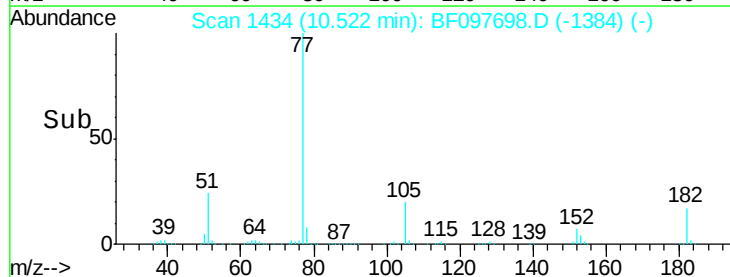
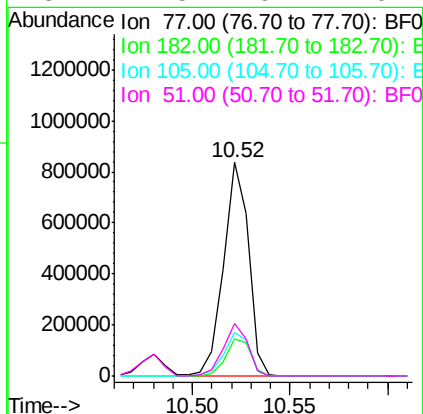
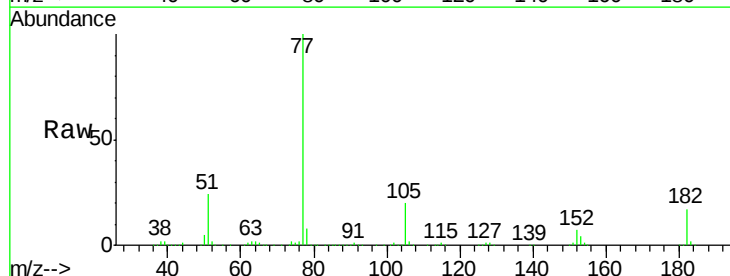
Instrument :
BNA_F
ClientSampleId :
TOPSOIL-MATERIAL-COMPMS

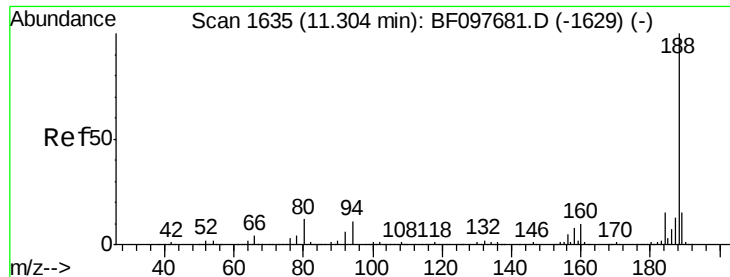
Tot Ion:138 Resp: 139306
Ion Ratio Lower Upper
138 100
92 57.0 21.8 61.8
108 80.1 42.3 82.3



#62
Azobenzene
Concen: 32.51 ng
RT: 10.52 min Scan# 1434
Delta R.T. -0.01 min
Lab File: BF097698.D
Acq: 15 Aug 2017 18:34

Tgt Ion: 77 Resp: 740701
Ion Ratio Lower Upper
77 100
182 17.2 0.1 40.1
105 20.5 3.6 43.6
51 24.5 9.4 49.4

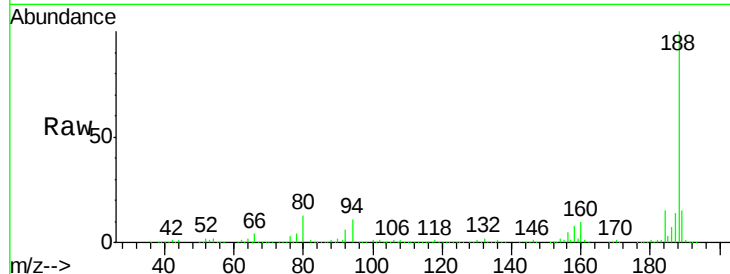




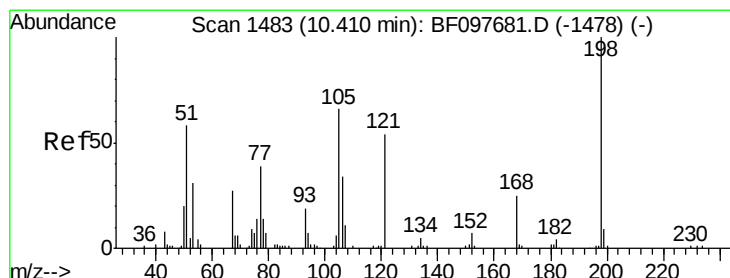
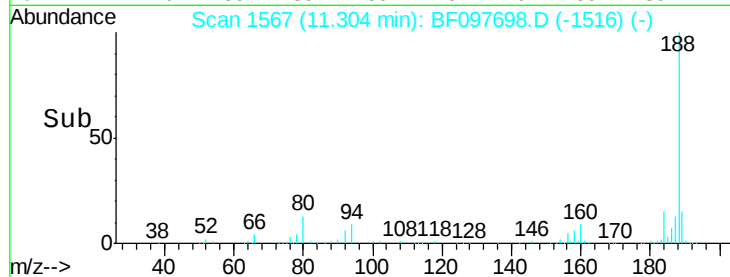
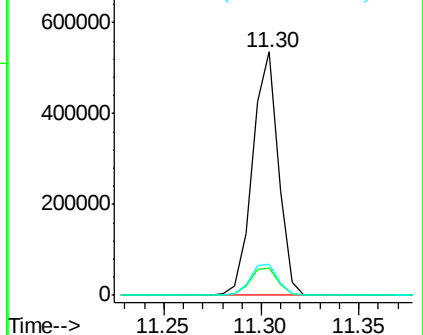
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.30 min Scan# 1567
Delta R.T. 0.00 min
Lab File: BF097698.D
Acq: 15 Aug 2017 18:34

Instrument :
BNA_F
ClientSampleId :
TOPSOIL-MATERIAL-COMPMS

Tot Ion:188 Resp: 487724
Ion Ratio Lower Upper
188 100
94 11.2 9.4 14.2
80 13.0 10.2 15.2

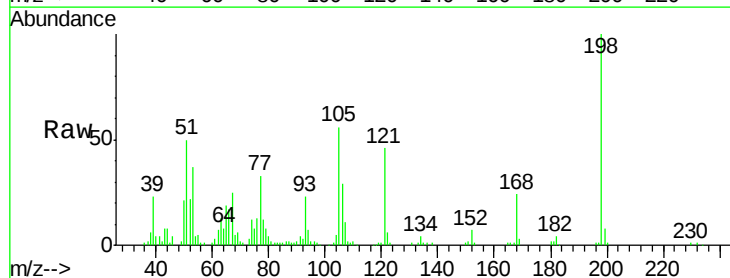


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

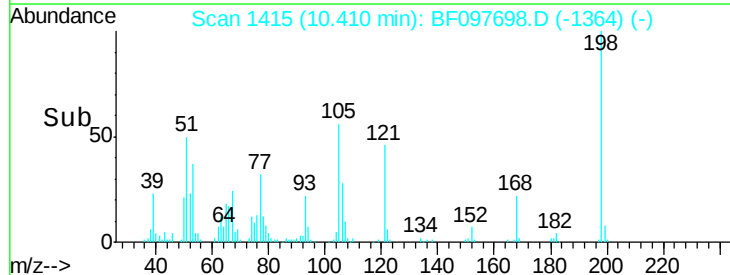
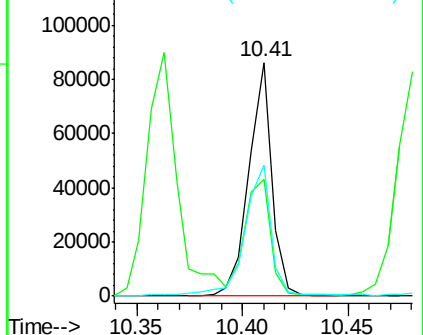


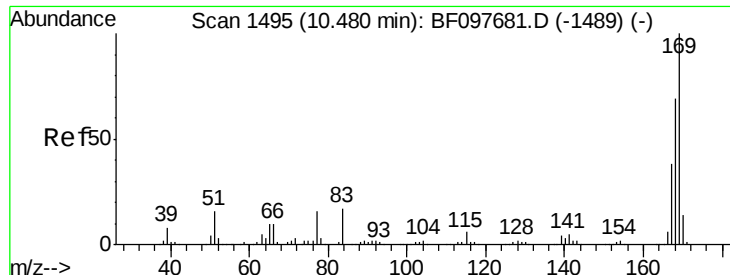
#64
4,6-Dinitro-2-methylphenol
Concen: 31.89 ng
RT: 10.41 min Scan# 1415
Delta R.T. 0.00 min
Lab File: BF097698.D
Acq: 15 Aug 2017 18:34

Tgt Ion:198 Resp: 65519
Ion Ratio Lower Upper
198 100
51 50.4 53.2 93.2#
105 56.4 45.8 85.8



Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF0
Ion 105.00 (104.70 to 105.70): E

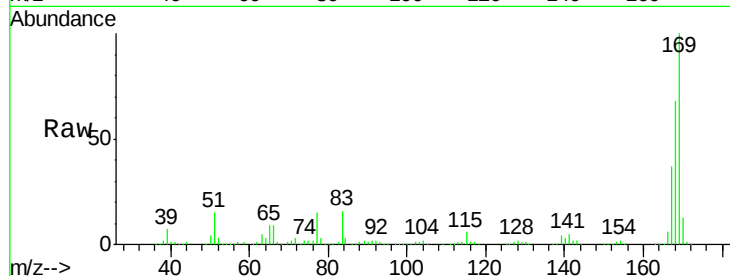




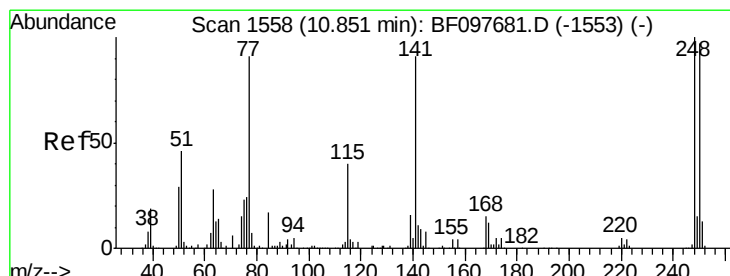
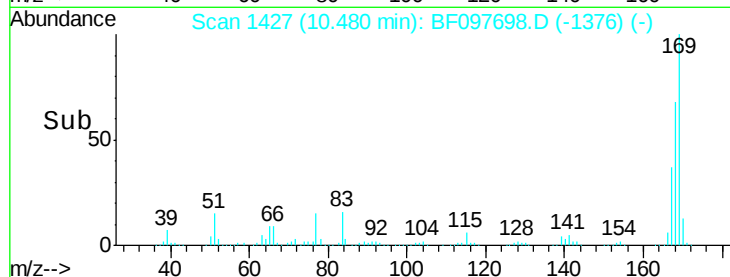
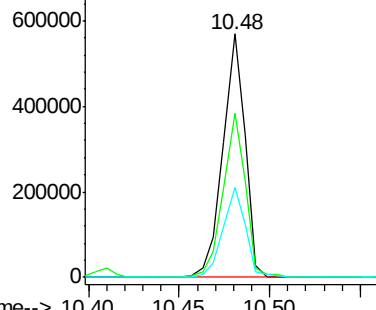
#65
n-Nitrosodiphenylamine
Concen: 29.11 ng
RT: 10.48 min Scan# 1427
Delta R.T. 0.00 min
Lab File: BF097698.D
Acq: 15 Aug 2017 18:34

Instrument :
BNA_F
ClientSampleId :
TOPSOIL-MATERIAL-COMPMS

Tot Ion:169 Resp: 483466
Ion Ratio Lower Upper
169 100
168 67.5 53.2 79.8
167 37.1 29.5 44.3

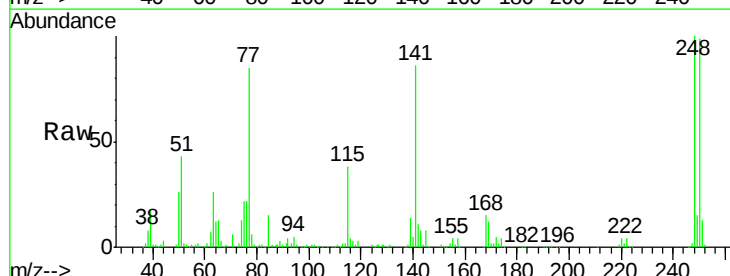


Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E

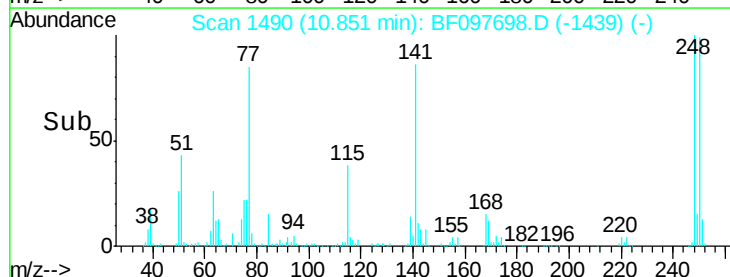
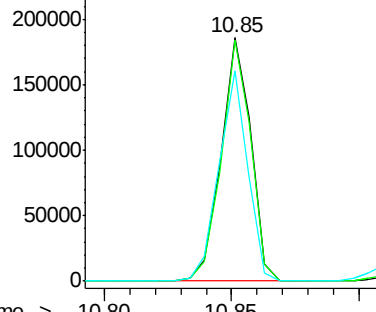


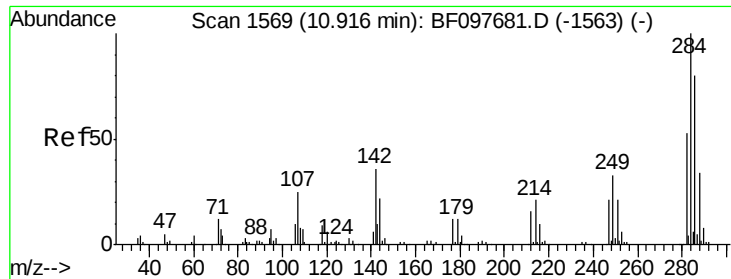
#66
4-Bromophenyl-phenylether
Concen: 29.96 ng
RT: 10.85 min Scan# 1490
Delta R.T. 0.00 min
Lab File: BF097698.D
Acq: 15 Aug 2017 18:34

Tgt Ion:248 Resp: 151735
Ion Ratio Lower Upper
248 100
250 98.8 76.8 115.2
141 86.2 68.6 103.0



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

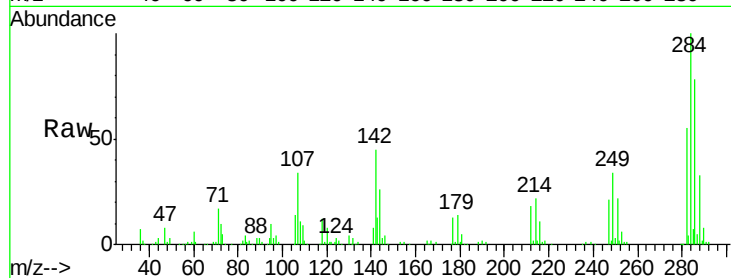




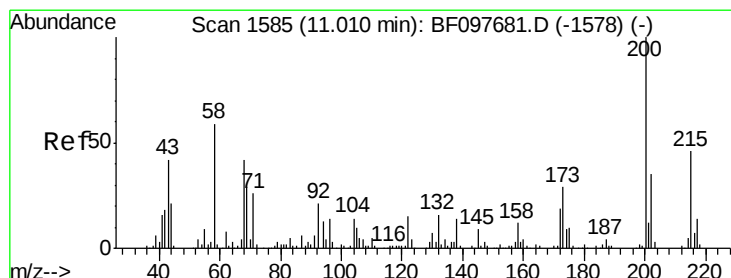
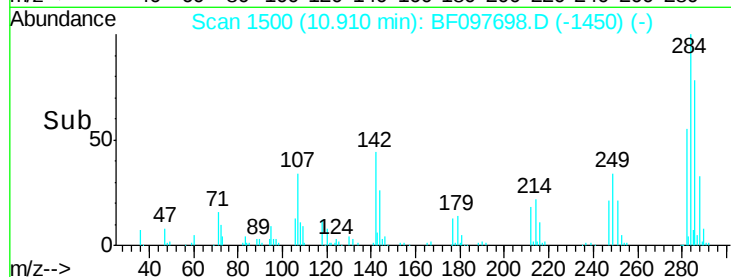
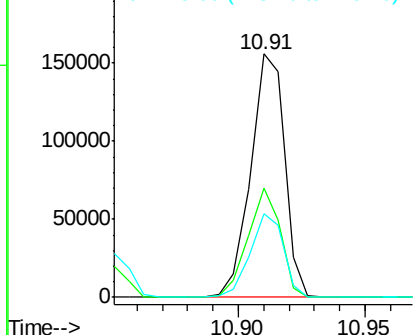
#67
Hexachlorobenzene
Concen: 28.28 ng
RT: 10.91 min Scan# 1500
Delta R.T. -0.01 min
Lab File: BF097698.D
Acq: 15 Aug 2017 18:34

Instrument :
BNA_F
ClientSampleId :
TOPSOIL-MATERIAL-COMPMS

Tot Ion:284 Resp: 146013
Ion Ratio Lower Upper
284 100
142 45.1 22.8 34.2#
249 34.3 24.0 36.0

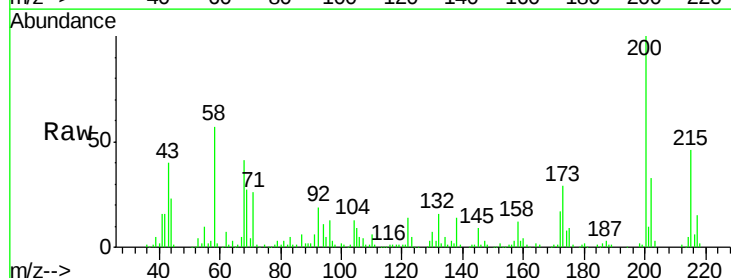


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

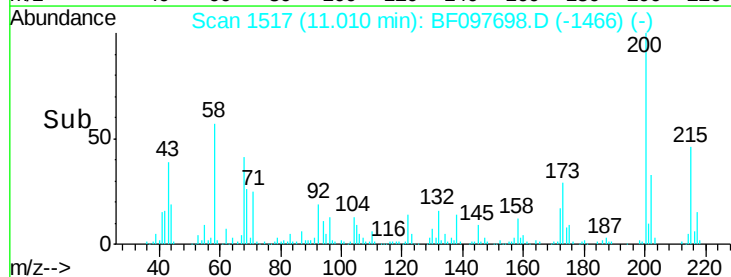
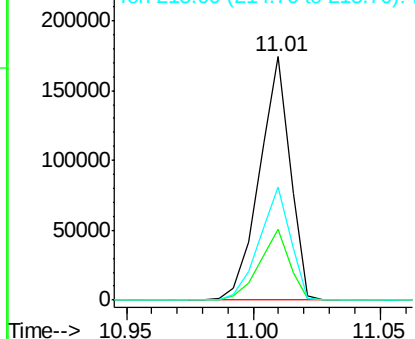


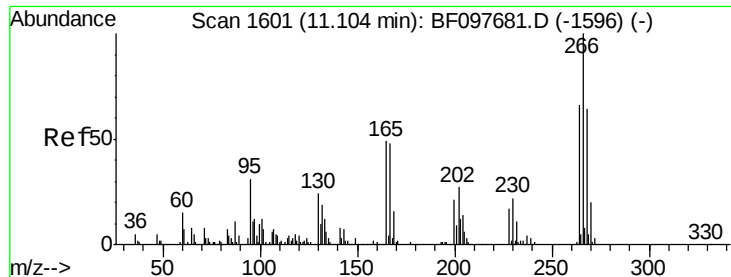
#68
Atrazine
Concen: 33.45 ng
RT: 11.01 min Scan# 1517
Delta R.T. 0.00 min
Lab File: BF097698.D
Acq: 15 Aug 2017 18:34

Tgt Ion:200 Resp: 147333
Ion Ratio Lower Upper
200 100
173 28.9 6.3 46.3
215 46.2 27.2 67.2



Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E

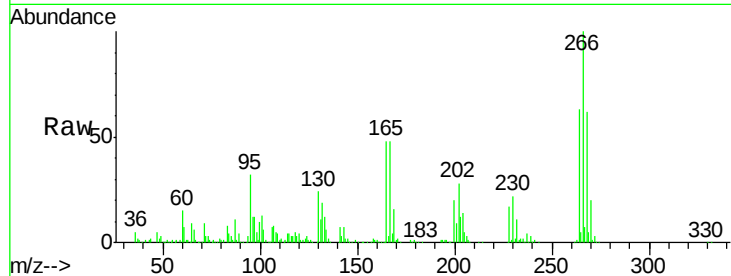




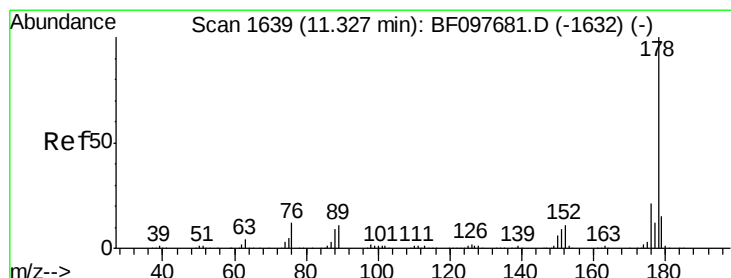
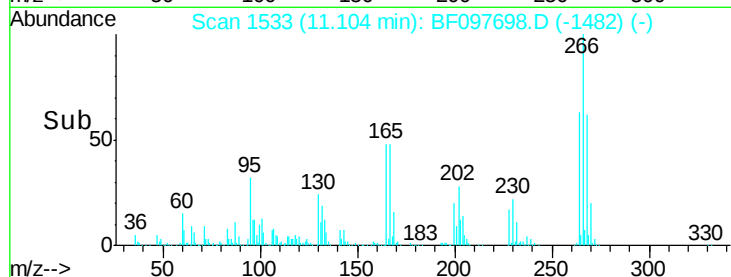
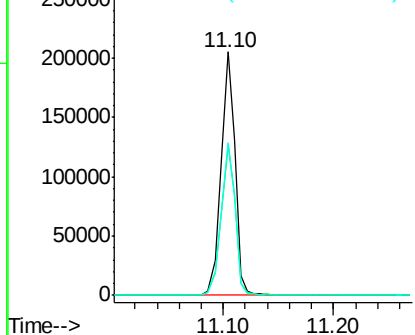
#69
 Pentachlorophenol
 Concen: 60.62 ng
 RT: 11.10 min Scan# 1533
 Delta R.T. 0.00 min
 Lab File: BF097698.D
 Acq: 15 Aug 2017 18:34

Instrument :
 BNA_F
 ClientSampleId :
 TOPSOIL-MATERIAL-COMPMS

Tot Ion:266 Resp: 182454
 Ion Ratio Lower Upper
 266 100
 268 61.9 51.1 76.7
 264 62.9 51.7 77.5

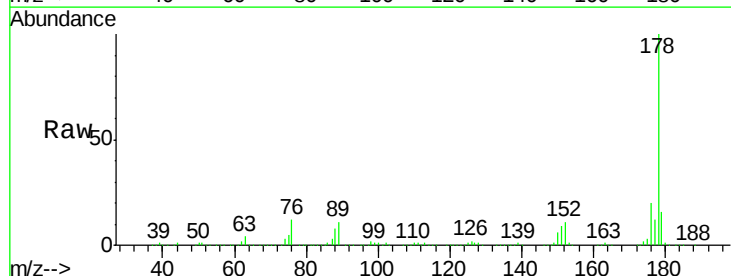


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

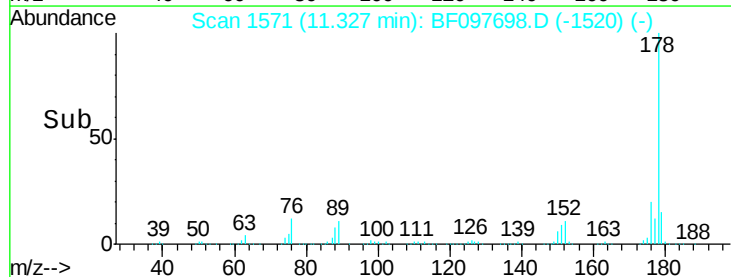
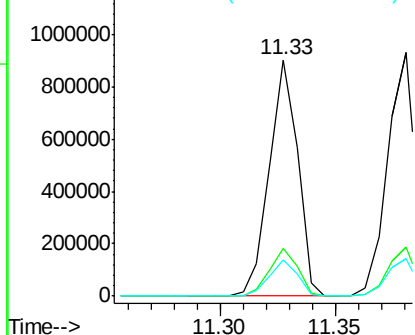


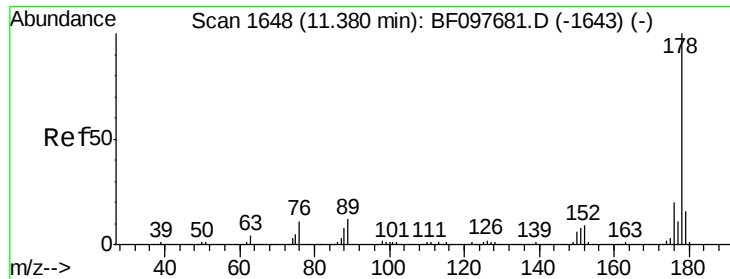
#70
 Phenanthrene
 Concen: 29.75 ng
 RT: 11.33 min Scan# 1571
 Delta R.T. 0.00 min
 Lab File: BF097698.D
 Acq: 15 Aug 2017 18:34

Tgt Ion:178 Resp: 773251
 Ion Ratio Lower Upper
 178 100
 176 20.3 16.2 24.4
 179 15.5 12.6 19.0



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

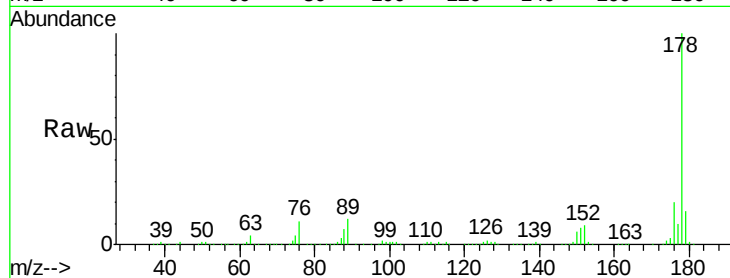




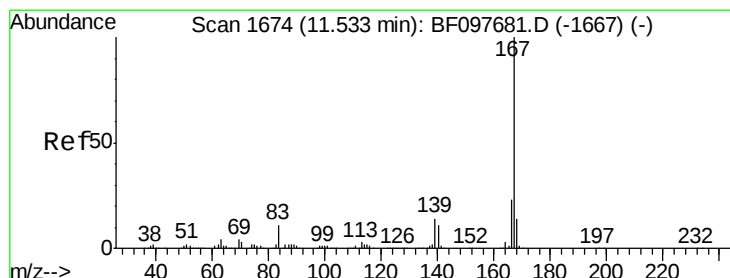
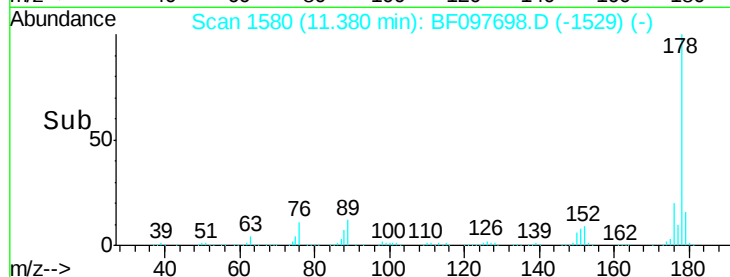
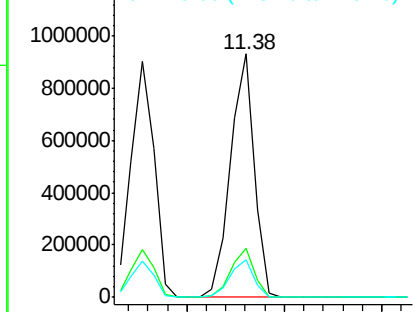
#71
 Anthracene
 Concen: 29.96 ng
 RT: 11.38 min Scan# 1580
 Delta R.T. 0.00 min
 Lab File: BF097698.D
 Acq: 15 Aug 2017 18:34

Instrument :
 BNA_F
 ClientSampleId :
 TOPSOIL-MATERIAL-COMPMS

Tot Ion:178 Resp: 789880
 Ion Ratio Lower Upper
 178 100
 176 20.0 15.8 23.8
 179 15.6 12.7 19.1

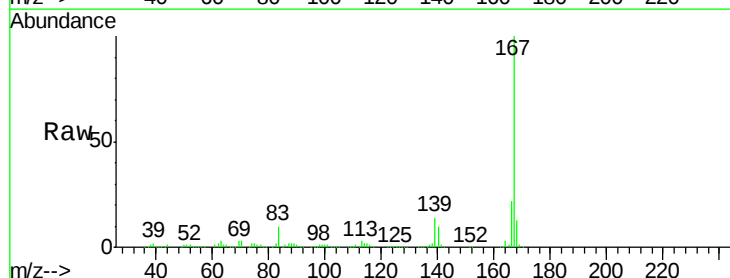


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

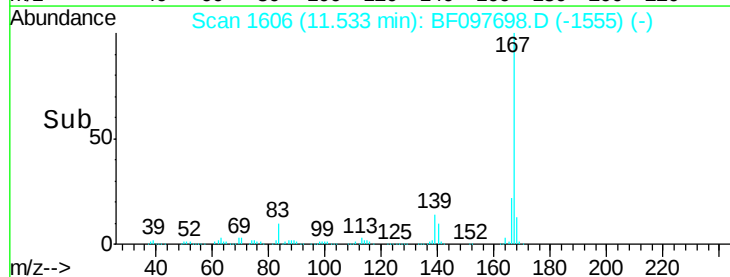
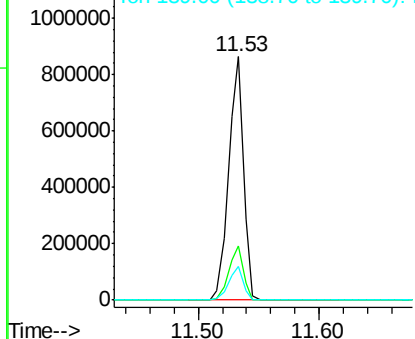


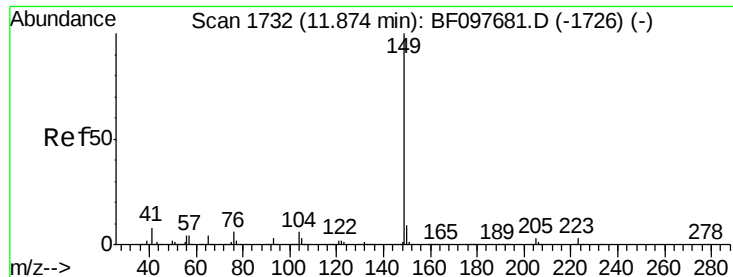
#72
 Carbazole
 Concen: 29.49 ng
 RT: 11.53 min Scan# 1606
 Delta R.T. 0.00 min
 Lab File: BF097698.D
 Acq: 15 Aug 2017 18:34

Tgt Ion:167 Resp: 737941
 Ion Ratio Lower Upper
 167 100
 166 22.2 18.1 27.1
 139 13.7 11.7 17.5



Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 33.05 ng

RT: 11.87 min Scan# 1664

Delta R.T. 0.00 min

Lab File: BF097698.D

Acq: 15 Aug 2017 18:34

Instrument :

BNA_F

ClientSampleId :

TOPSOIL-MATERIAL-COMPMS

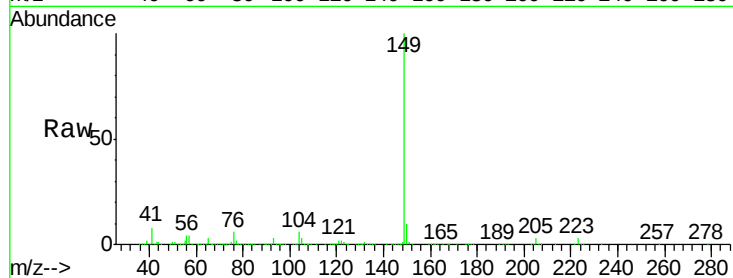
Tot Ion:149 Resp: 952572

Ion Ratio Lower Upper

149 100

150 9.5 7.7 11.5

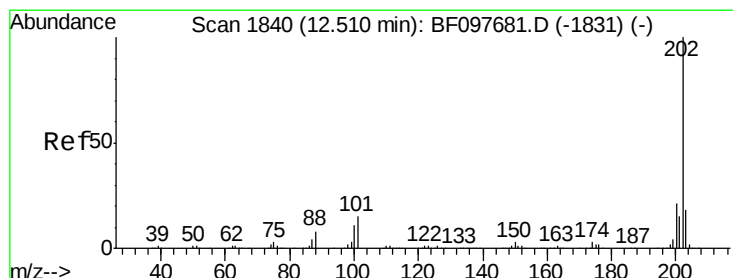
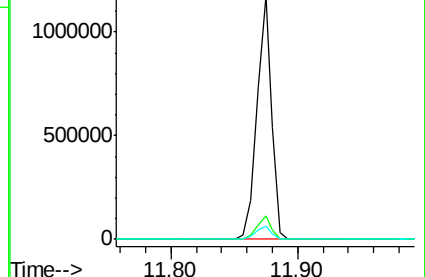
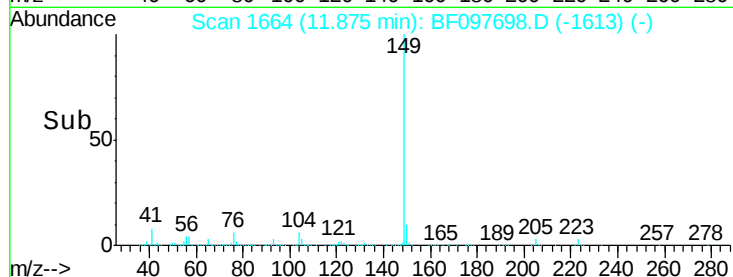
104 5.6 4.0 6.0



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 28.71 ng

RT: 12.51 min Scan# 1772

Delta R.T. 0.00 min

Lab File: BF097698.D

Acq: 15 Aug 2017 18:34

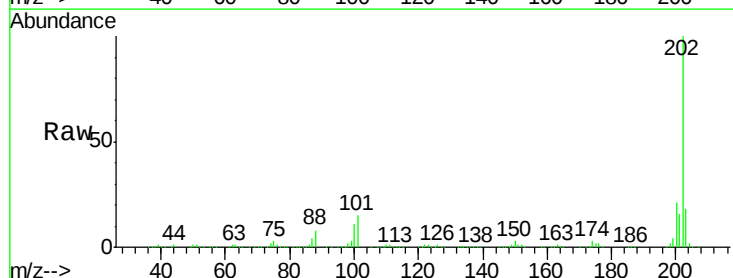
Tgt Ion:202 Resp: 778823

Ion Ratio Lower Upper

202 100

101 15.0 0.0 33.2

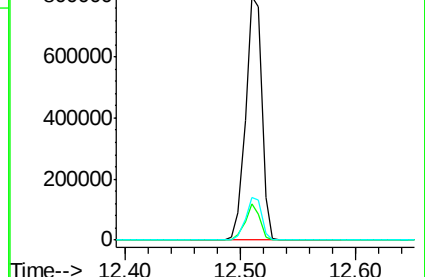
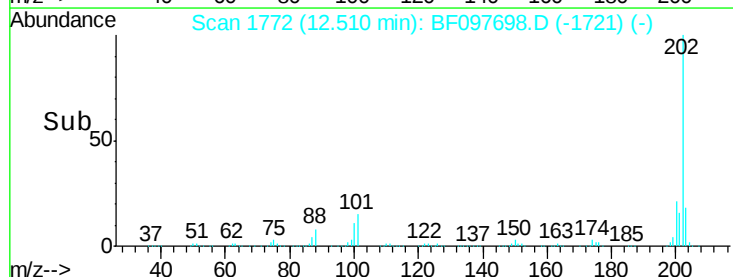
203 17.6 0.0 38.1

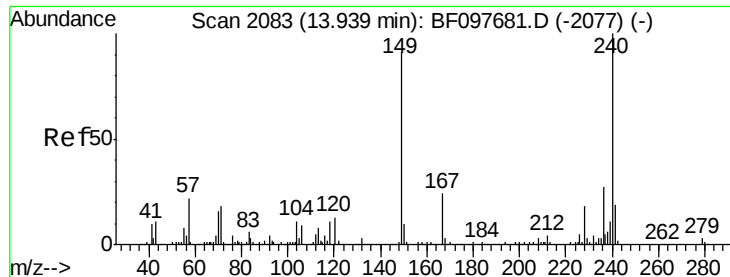


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.94 min Scan# 2015

Delta R.T. 0.00 min

Lab File: BF097698.D

Acq: 15 Aug 2017 18:34

Instrument :

BNA_F

ClientSampleId :

TOPSOIL-MATERIAL-COMPMS

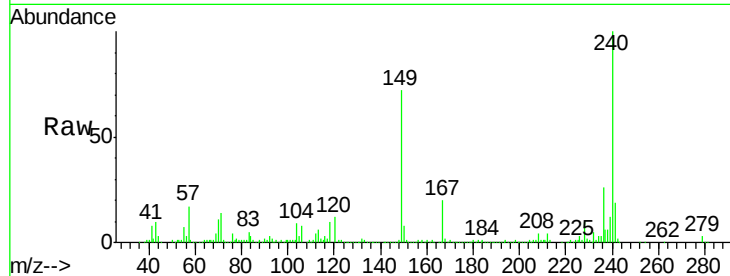
Tot Ion:240 Resp: 288994

Ion Ratio Lower Upper

240 100

120 11.7 5.8 8.8#

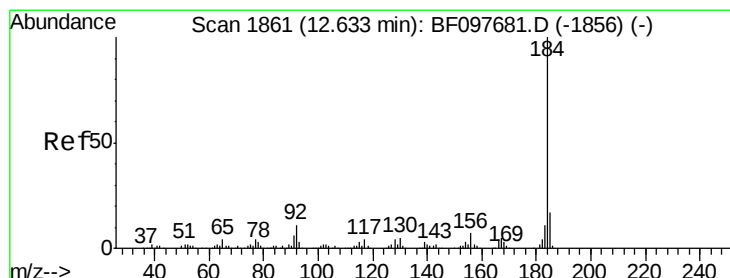
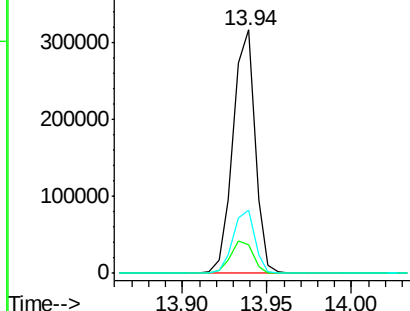
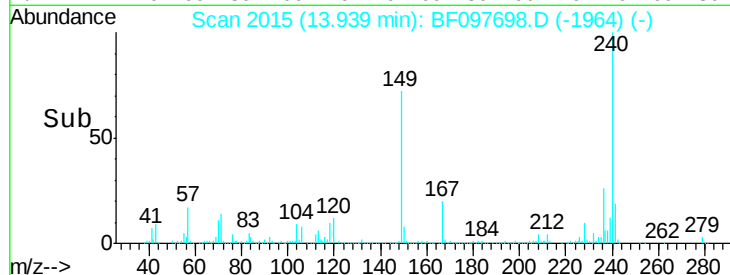
236 26.2 20.5 30.7



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



#76

Benzidine

Concen: 21.26 ng

RT: 12.63 min Scan# 1793

Delta R.T. 0.00 min

Lab File: BF097698.D

Acq: 15 Aug 2017 18:34

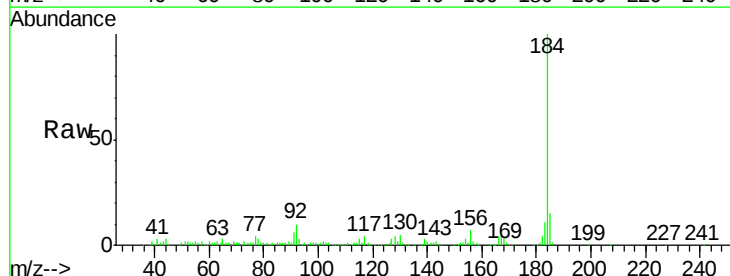
Tgt Ion:184 Resp: 201489

Ion Ratio Lower Upper

184 100

185 15.3 15.5 23.3#

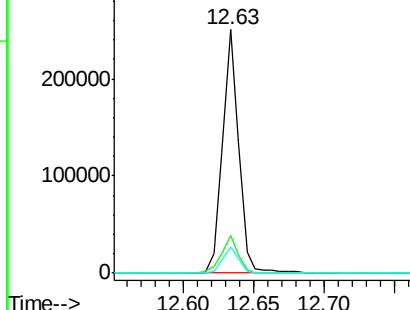
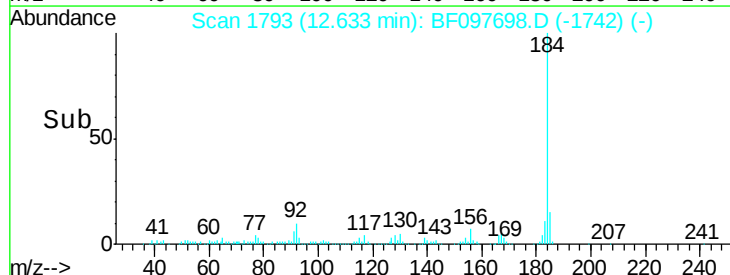
183 10.8 9.8 14.6

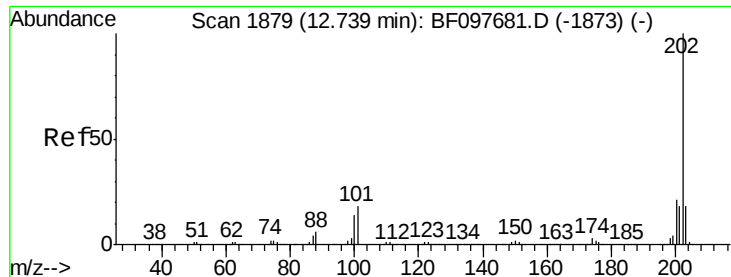


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

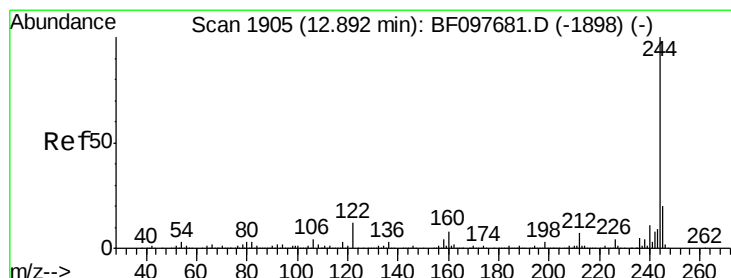
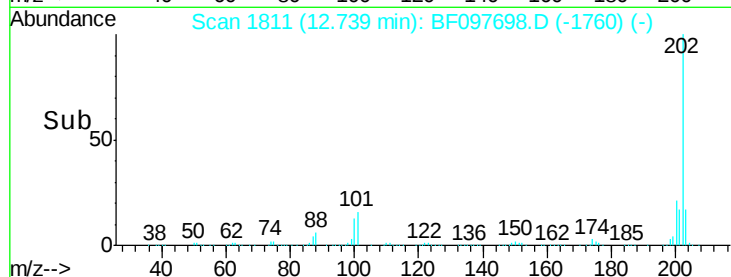
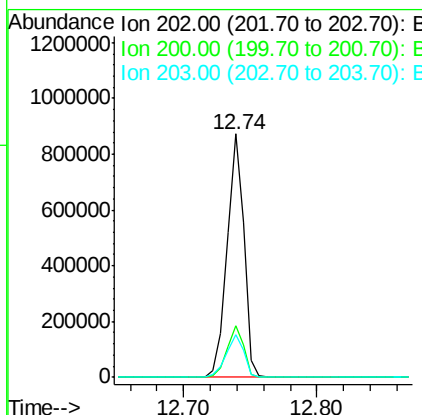
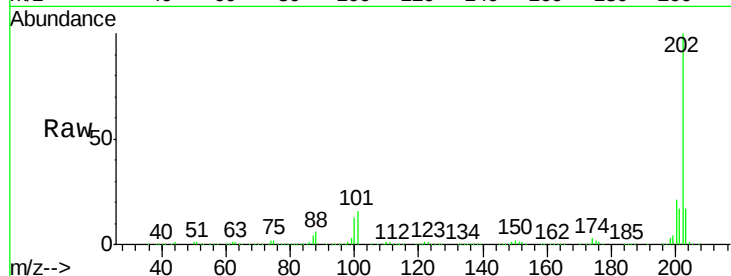




#77
Pvrene
Concen: 32.95 ng
RT: 12.74 min Scan# 1811
Delta R.T. 0.00 min
Lab File: BF097698.D
Acq: 15 Aug 2017 18:34

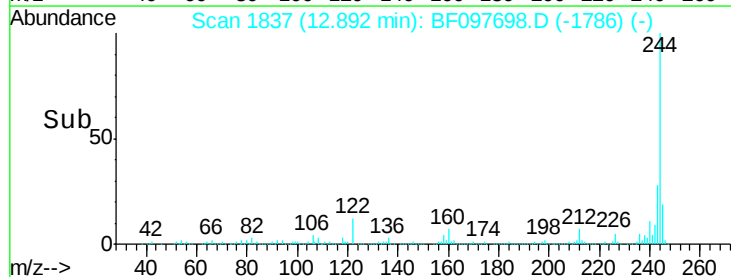
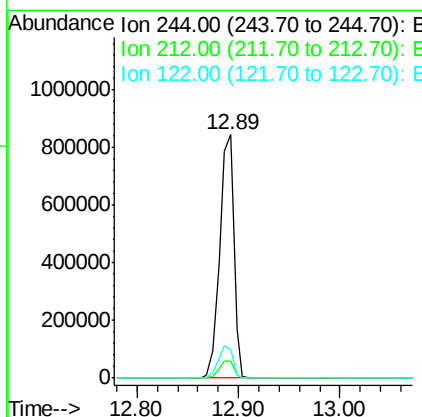
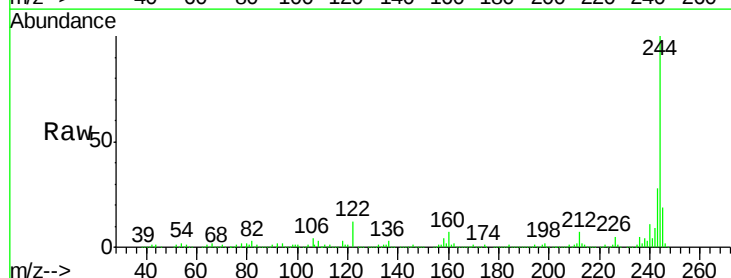
Instrument :
BNA_F
ClientSampleId :
TOPSOIL-MATERIAL-COMPMS

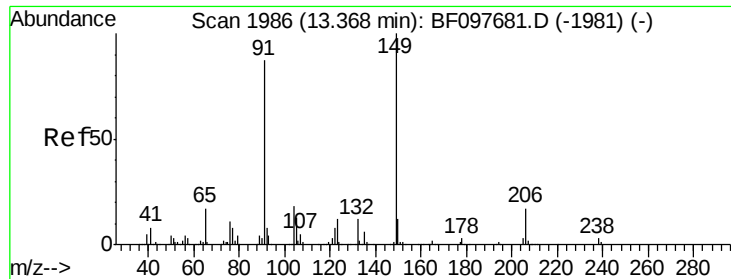
Tot Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.6	26.4
203	17.3	14.4	21.6



#78
Terphenyl-d14
Concen: 59.15 ng
RT: 12.89 min Scan# 1837
Delta R.T. 0.00 min
Lab File: BF097698.D
Acq: 15 Aug 2017 18:34

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.1	6.0	9.0
122	11.9	10.3	15.5

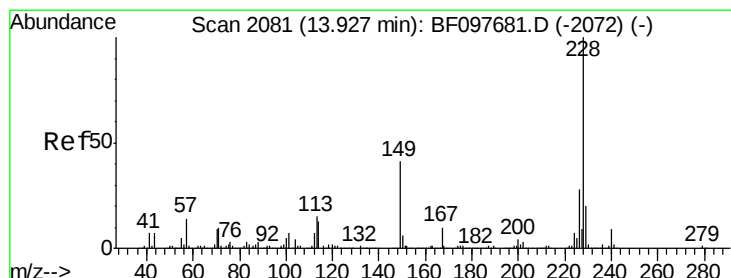
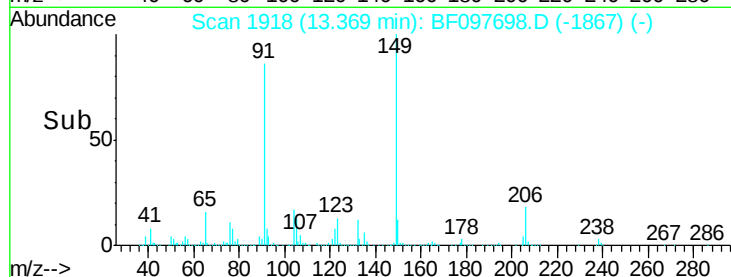
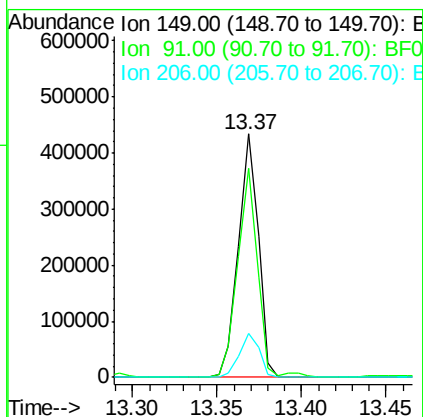
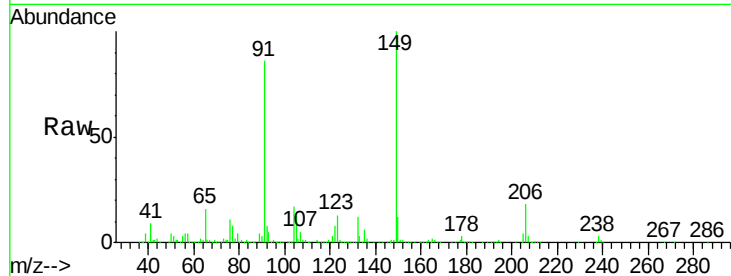




#79
Butylbenzylphthalate
Concen: 39.22 ng
RT: 13.37 min Scan# 1918
Delta R.T. 0.00 min
Lab File: BF097698.D
Acq: 15 Aug 2017 18:34

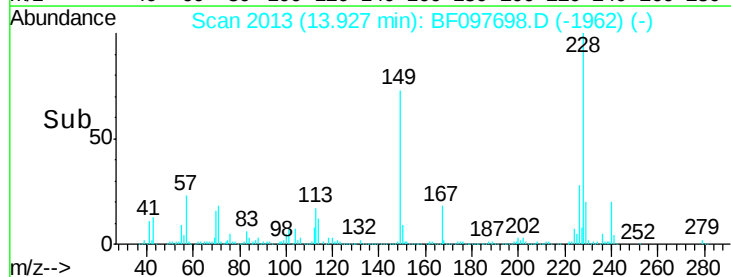
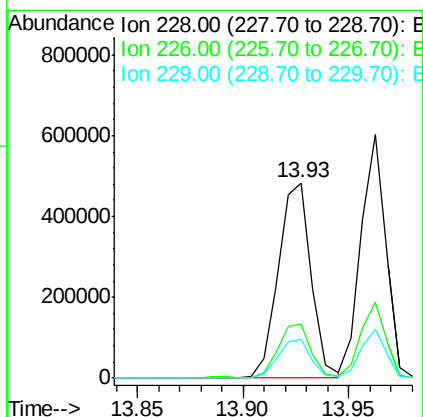
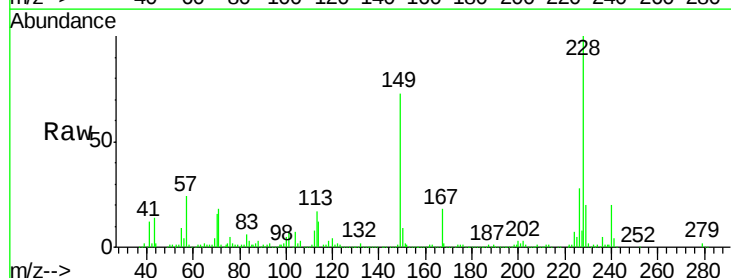
Instrument :
BNA_F
ClientSampleId :
TOPSOIL-MATERIAL-COMPMS

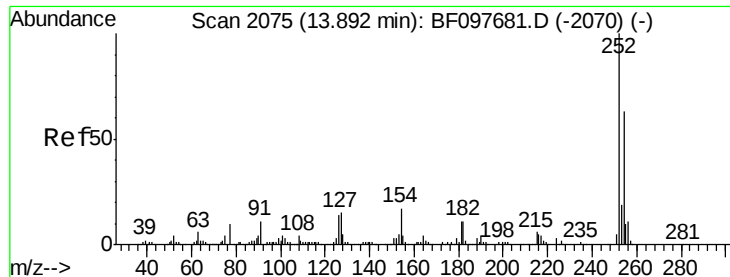
Tot Ion:149 Resp: 355456
Ion Ratio Lower Upper
149 100
91 86.1 45.0 67.4#
206 18.3 17.0 25.6



#80
Benzo(a)anthracene
Concen: 30.12 ng
RT: 13.93 min Scan# 2013
Delta R.T. 0.00 min
Lab File: BF097698.D
Acq: 15 Aug 2017 18:34

Tgt Ion:228 Resp: 521750
Ion Ratio Lower Upper
228 100
226 27.8 22.6 33.8
229 19.7 16.3 24.5





#81

3,3'-Dichlorobenzidine

Concen: 27.40 ng

RT: 13.89 min Scan# 2007

Delta R.T. 0.00 min

Lab File: BF097698.D

Acq: 15 Aug 2017 18:34

Instrument :

BNA_F

ClientSampleId :

TOPSOIL-MATERIAL-COMPMS

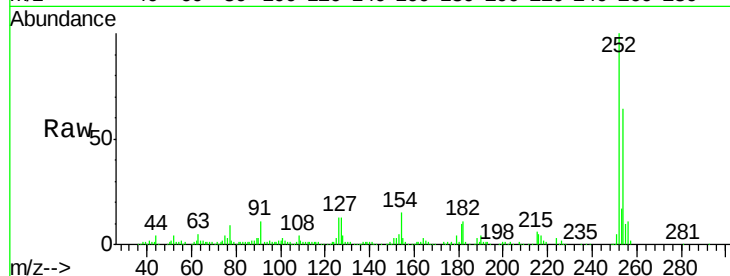
Tot Ion:252 Resp: 160150

Ion Ratio Lower Upper

252 100

254 64.2 51.5 77.3

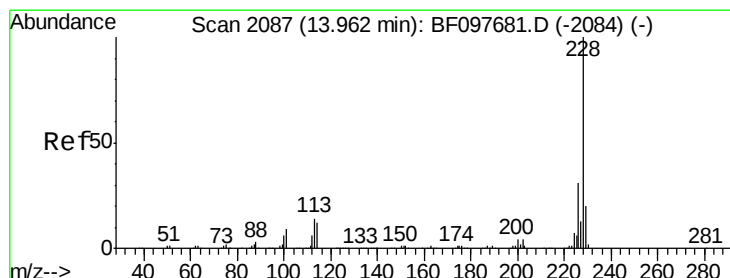
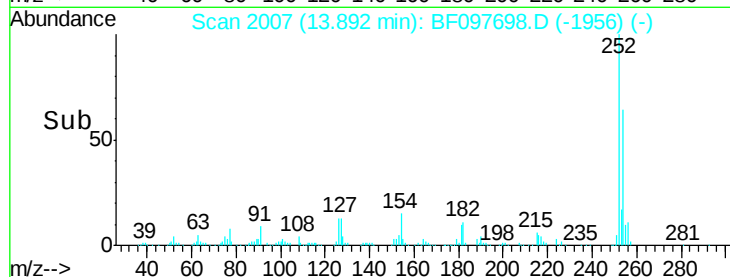
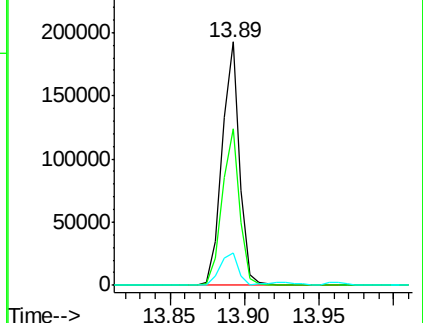
126 13.4 15.8 23.8#



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: 29.06 ng

RT: 13.96 min Scan# 2019

Delta R.T. 0.00 min

Lab File: BF097698.D

Acq: 15 Aug 2017 18:34

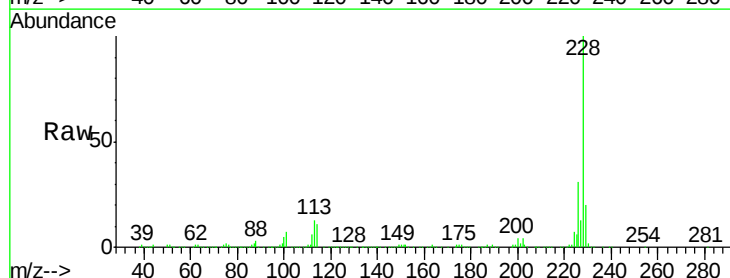
Tgt Ion:228 Resp: 500727

Ion Ratio Lower Upper

228 100

226 31.1 24.9 37.3

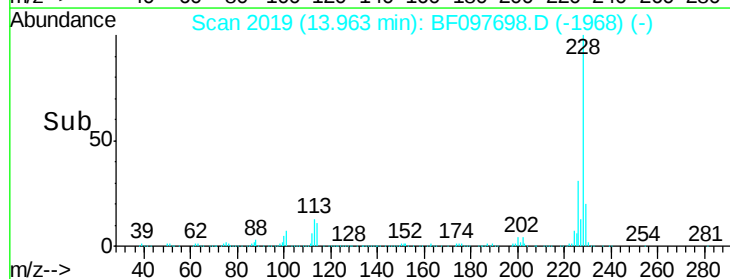
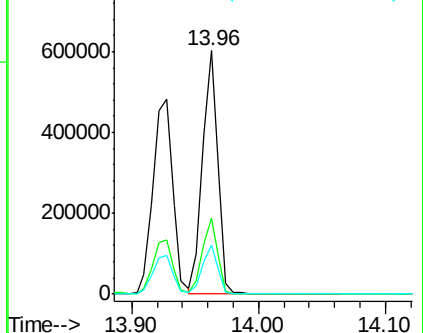
229 20.1 15.8 23.6

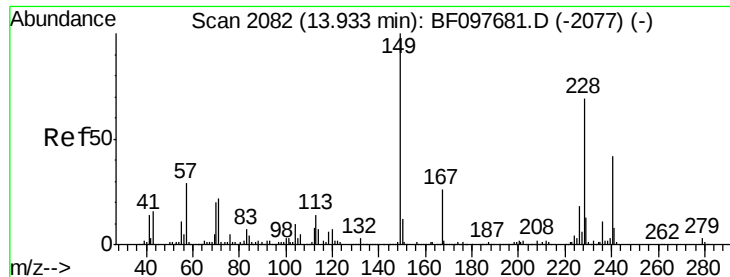


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 43.07 ng

RT: 13.93 min Scan# 2014

Delta R.T. 0.00 min

Lab File: BF097698.D

Acq: 15 Aug 2017 18:34

Instrument :

BNA_F

ClientSampleId :

TOPSOIL-MATERIAL-COMPMS

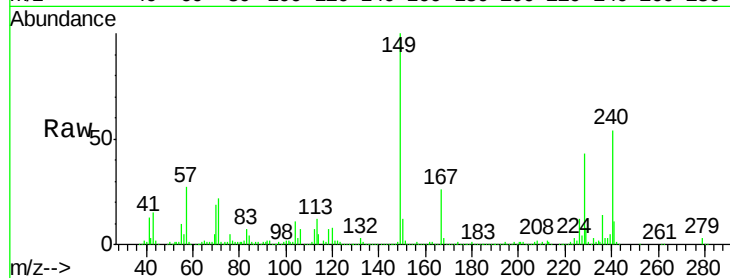
Tot Ion:149 Resp: 432458

Ion Ratio Lower Upper

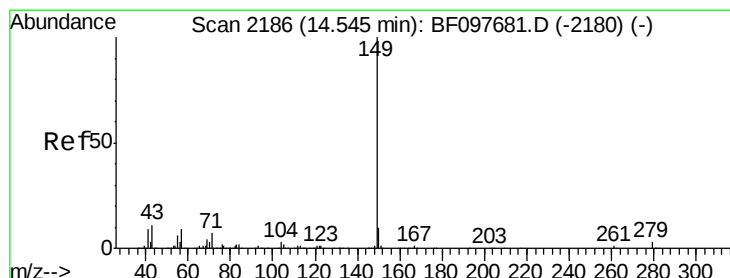
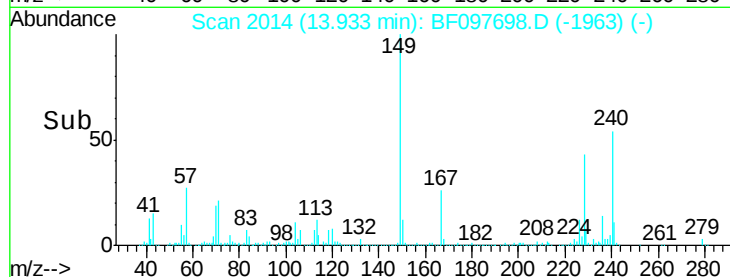
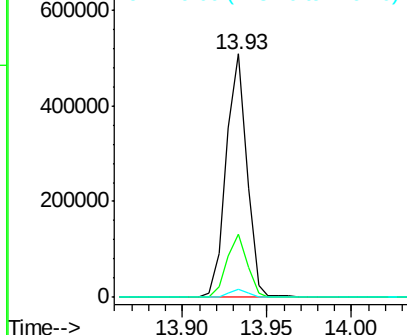
149 100

167 25.9 21.0 31.4

279 3.2 1.9 2.9#



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E



#84

Di-n-octyl phthalate

Concen: 39.82 ng

RT: 14.54 min Scan# 2118

Delta R.T. 0.00 min

Lab File: BF097698.D

Acq: 15 Aug 2017 18:34

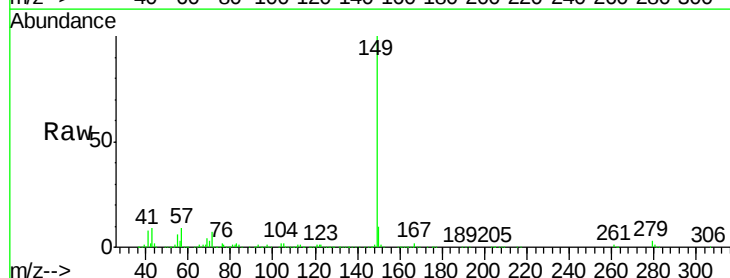
Tgt Ion:149 Resp: 695727

Ion Ratio Lower Upper

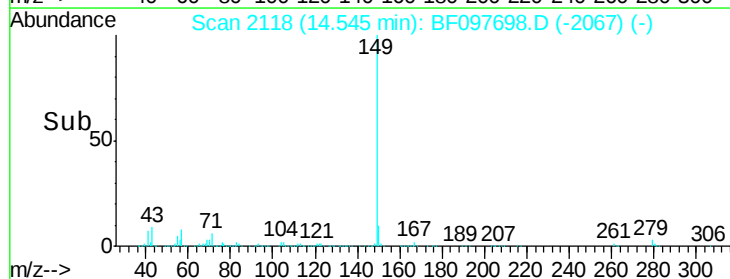
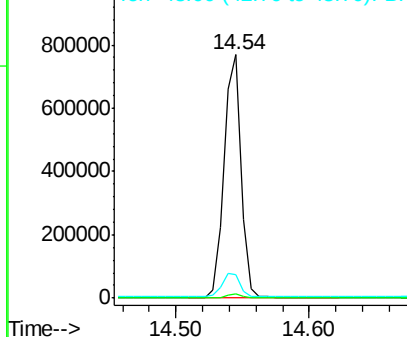
149 100

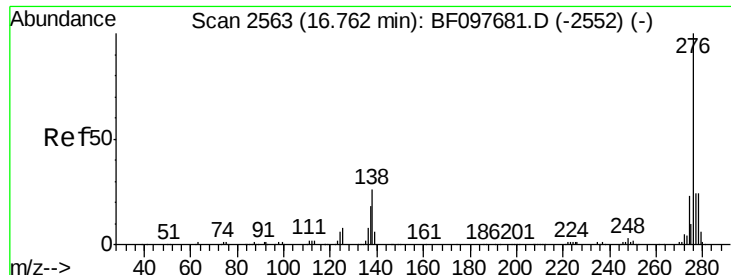
167 1.6 1.2 1.8

43 10.2 8.5 12.7



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BF0

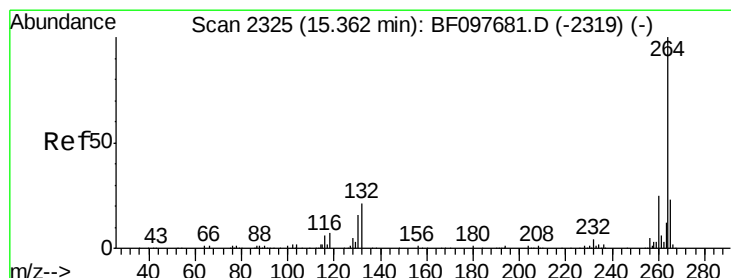
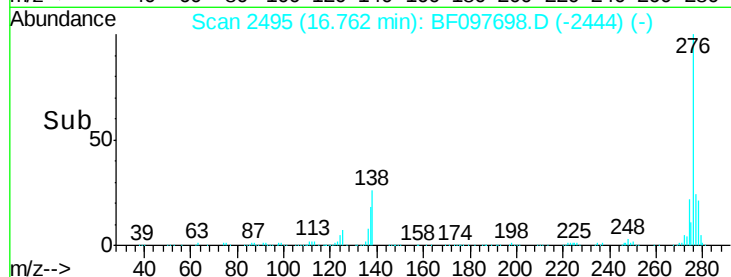
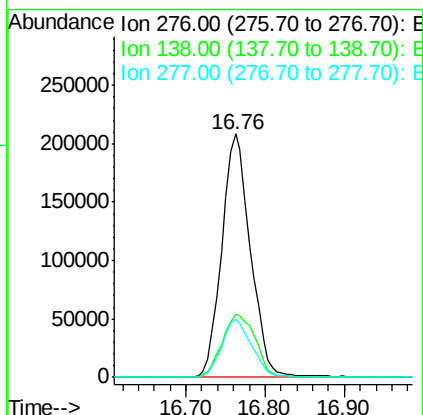
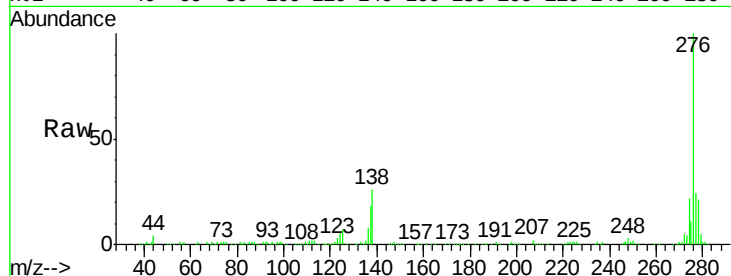




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 41.06 ng
 RT: 16.76 min Scan# 2495
 Delta R.T. 0.00 min
 Lab File: BF097698.D
 Acq: 15 Aug 2017 18:34

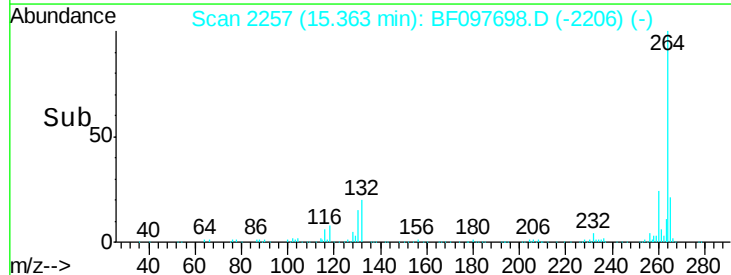
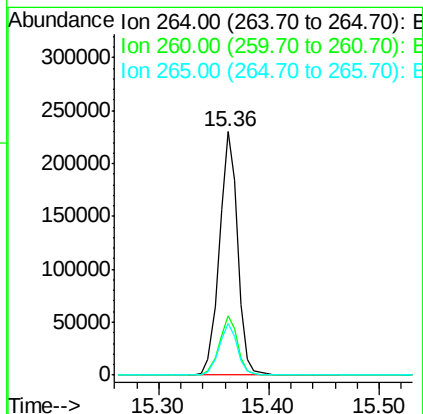
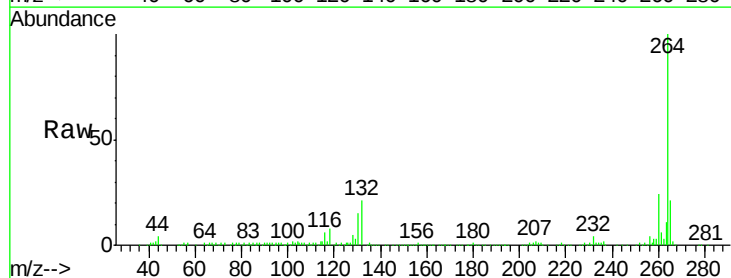
Instrument :
 BNA_F
 ClientSampleId :
 TOPSOIL-MATERIAL-COMPMS

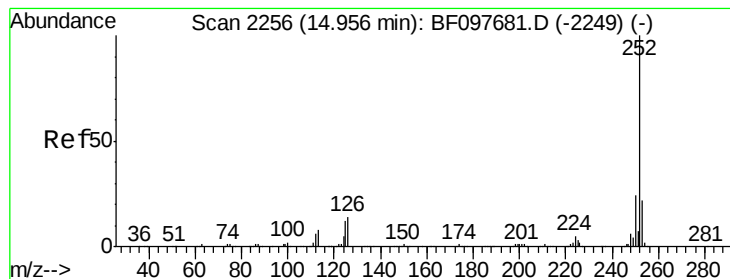
Tot Ion:276 Resp: 520455
 Ion Ratio Lower Upper
 276 100
 138 30.2 27.8 41.6
 277 25.0 20.2 30.4



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.36 min Scan# 2257
 Delta R.T. 0.00 min
 Lab File: BF097698.D
 Acq: 15 Aug 2017 18:34

Tgt Ion:264 Resp: 264661
 Ion Ratio Lower Upper
 264 100
 260 24.4 19.5 29.3
 265 21.4 17.2 25.8





#87

Benzo(b)fluoranthene

Concen: 28.60 ng

RT: 14.96 min Scan# 2188

Delta R.T. 0.00 min

Lab File: BF097698.D

Acq: 15 Aug 2017 18:34

Instrument :

BNA_F

ClientSampleId :

TOPSOIL-MATERIAL-COMPMS

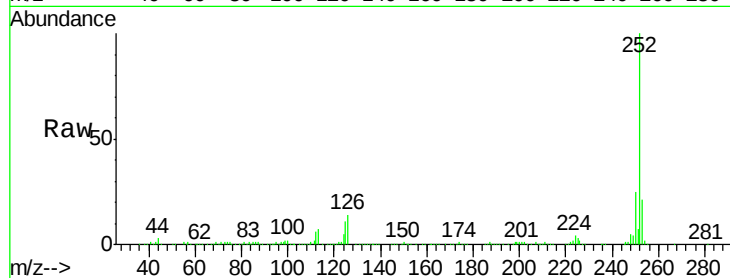
Tot Ion:252 Resp: 477072

Ion Ratio Lower Upper

252 100

253 21.1 18.1 27.1

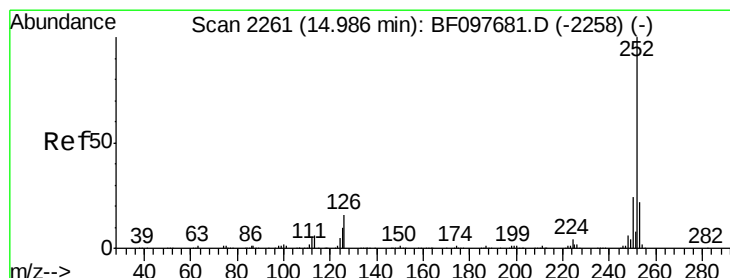
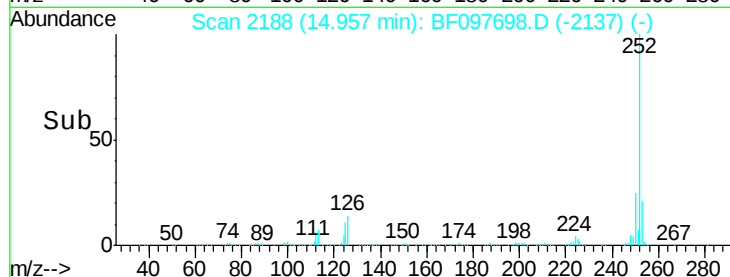
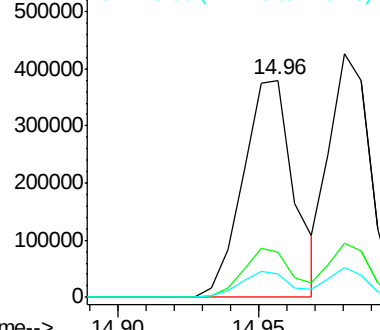
125 10.7 9.8 14.8



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: 27.44 ng

RT: 14.98 min Scan# 2192

Delta R.T. -0.01 min

Lab File: BF097698.D

Acq: 15 Aug 2017 18:34

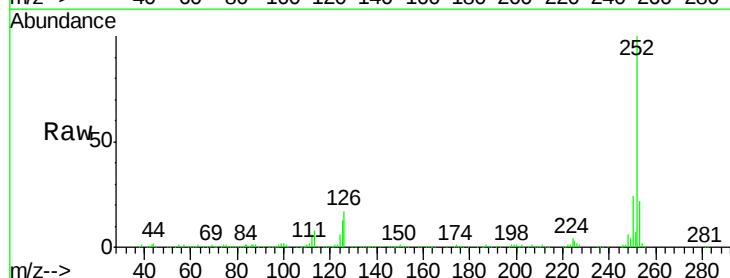
Tgt Ion:252 Resp: 430017

Ion Ratio Lower Upper

252 100

253 22.1 18.4 27.6

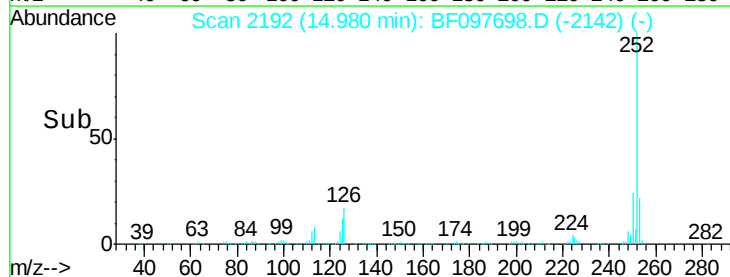
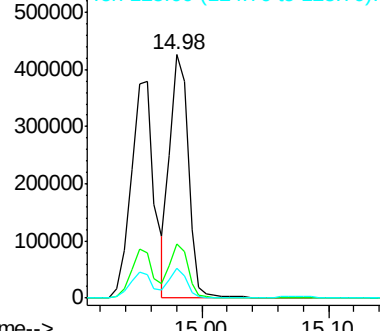
125 12.5 13.1 19.7#

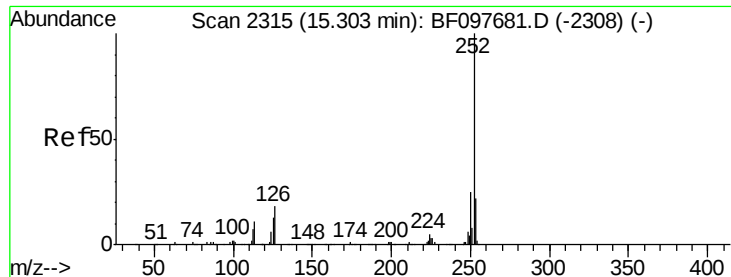


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

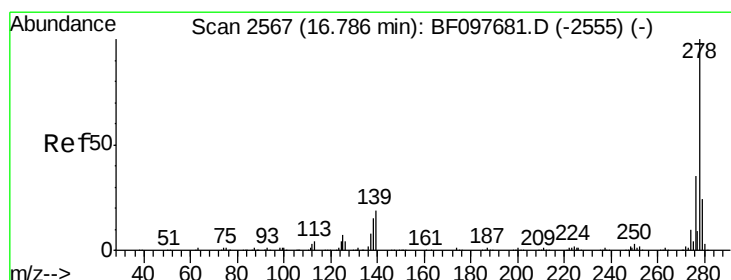
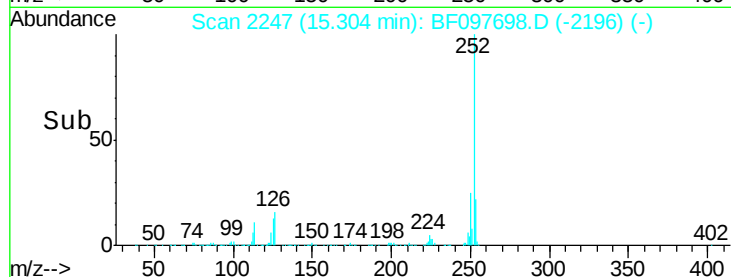
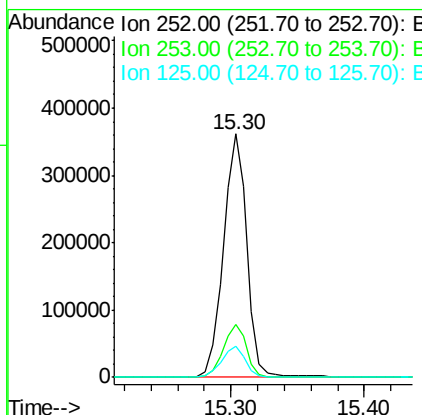
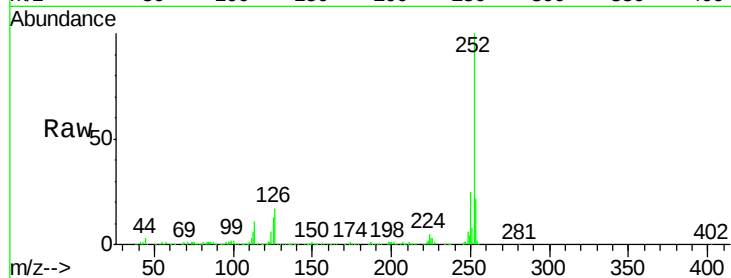




#89
Benzo(a)pyrene
Concen: 30.33 ng
RT: 15.30 min Scan# 2247
Delta R.T. 0.00 min
Lab File: BF097698.D
Acq: 15 Aug 2017 18:34

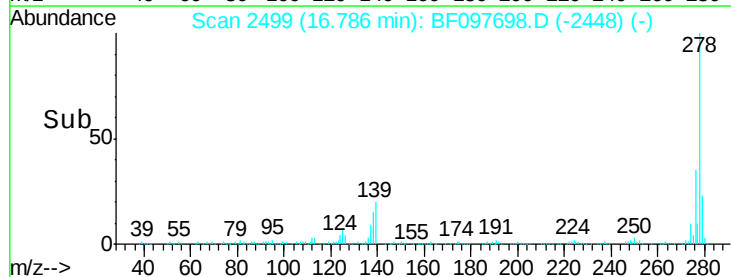
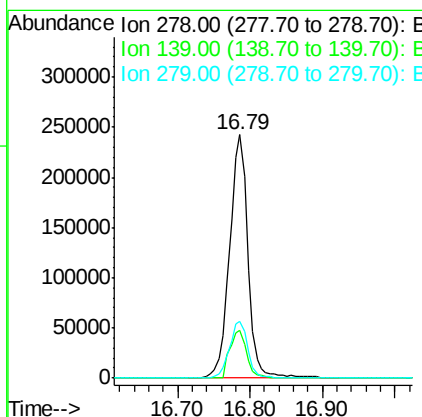
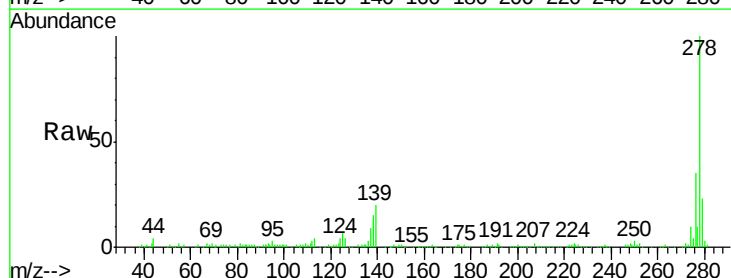
Instrument :
BNA_F
ClientSampleId :
TOPSOIL-MATERIAL-COMPMS

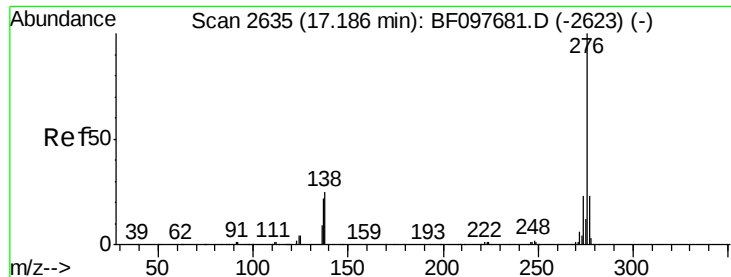
Tot Ion:252 Resp: 447987
Ion Ratio Lower Upper
252 100
253 21.7 17.5 26.3
125 13.0 11.0 16.4



#90
Dibenzo(a,h)anthracene
Concen: 35.65 ng
RT: 16.79 min Scan# 2499
Delta R.T. 0.00 min
Lab File: BF097698.D
Acq: 15 Aug 2017 18:34

Tgt Ion:278 Resp: 428616
Ion Ratio Lower Upper
278 100
139 19.8 16.6 24.8
279 23.3 19.3 28.9





#91
 Benzo(a,h,i)perylene
 Concen: 35.06 ng
 RT: 17.19 min Scan# 2567
 Delta R.T. 0.00 min
 Lab File: BF097698.D
 Acq: 15 Aug 2017 18:34

Instrument :
 BNA_F
 ClientSampleId :
 TOPSOIL-MATERIAL-COMPMS

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.4	18.6	28.0
138	26.9	25.4	38.0

