

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062915\
 Data File : BF080213.D
 Acq On : 29 Jun 2015 18:35
 Operator : TP/IZ
 Sample : G2813-01MSD
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-STOCKPILE-TMSD

Quant Time: Jun 30 01:45:17 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF061715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 23 00:53:56 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.29	152	31181	20.00	ng	-0.03
21) Naphthalene-d8	8.58	136	121111	20.00	ng	-0.03
38) Acenaphthene-d10	10.36	164	62485	20.00	ng	-0.03
63) Phenanthrene-d10	11.86	188	125020	20.00	ng	-0.05
75) Chrysene-d12	14.87	240	133958	20.00	ng	-0.13
86) Perylene-d12	16.76	264	131547	20.00	ng	-0.17

System Monitoring Compounds						
5) 2-Fluorophenol	5.90	112	211568	120.11	ng	-0.03
7) Phenol-d6	6.90	99	268837	114.69	ng	-0.02
23) Nitrobenzene-d5	7.85	82	195897	94.16	ng	-0.02
41) 2,4,6-Tribromophenol	11.16	330	87657	143.46	ng	-0.02
44) 2-Fluorobiphenyl	9.66	172	368556	84.12	ng	-0.03
78) Terphenyl-d14	13.58	244	501511	87.44	ng	-0.09

Target Compounds				Qvalue		
2) 1,4-Dioxane	3.16	88	24161	28.86	ng	86
3) Pyridine	4.00	79	51455	23.11	ng	# 83
4) n-Nitrosodimethylamine	3.89	42	35871	33.90	ng	96
6) Aniline	6.95	93	70472	21.85	ng	94
8) 2-Chlorophenol	7.08	128	85068	41.79	ng	87
9) Benzaldehyde	6.84	77	49152	36.32	ng	# 68
10) Phenol	6.92	94	95114	37.18	ng	85
11) bis(2-Chloroethyl)ether	7.02	93	79622	39.23	ng	85
12) 1,3-Dichlorobenzene	7.24	146	92904	37.99	ng	# 90
13) 1,4-Dichlorobenzene	7.32	146	97308	41.84	ng	96
14) 1,2-Dichlorobenzene	7.32	146	97308	42.99	ng	99
15) Benzyl Alcohol	7.42	79	76901	40.12	ng	# 74
16) 2,2'-oxybis(1-Chloropropan	7.56	45	134919	44.79	ng	89
17) 2-Methylphenol	7.53	107	65970	37.94	ng	# 89
18) Hexachloroethane	7.82	117	31637	40.85	ng	# 79
19) n-Nitroso-di-n-propylamine	7.69	70	62475	38.39	ng	# 76
20) 3+4-Methylphenols	7.68	107	92023	41.00	ng	91
22) Acetophenone	7.69	105	124496	44.11	ng	# 83
24) Nitrobenzene	7.88	77	89919	41.88	ng	# 79
25) Isophorone	8.10	82	168906	40.34	ng	# 83
26) 2-Nitrophenol	8.20	139	44153	49.13	ng	# 80
27) 2,4-Dimethylphenol	8.22	122	82873	44.22	ng	# 83
28) bis(2-Chloroethoxy)methane	8.31	93	110194	44.80	ng	# 91
29) 2,4-Dichlorophenol	8.44	162	78482	48.90	ng	98
30) 1,2,4-Trichlorobenzene	8.53	180	84404	46.31	ng	98
31) Naphthalene	8.61	128	267009	42.17	ng	99
32) Benzoic acid	8.28	122	34020	30.02	ng	# 61
33) 4-Chloroaniline	8.64	127	47900	17.68	ng	# 82
34) Hexachlorobutadiene	8.73	225	43702	38.94	ng	98
35) Caprolactam	8.98	113	20012	38.42	ng	98
36) 4-Chloro-3-methylphenol	9.12	107	75556	41.74	ng	94
37) 2-Methylnaphthalene	9.30	142	195021	47.61	ng	# 92
39) 1,2,4,5-Tetrachlorobenzene	9.48	216	86644	47.65	ng	97
40) Hexachlorocyclopentadiene	9.46	237	66486	71.75	ng	98

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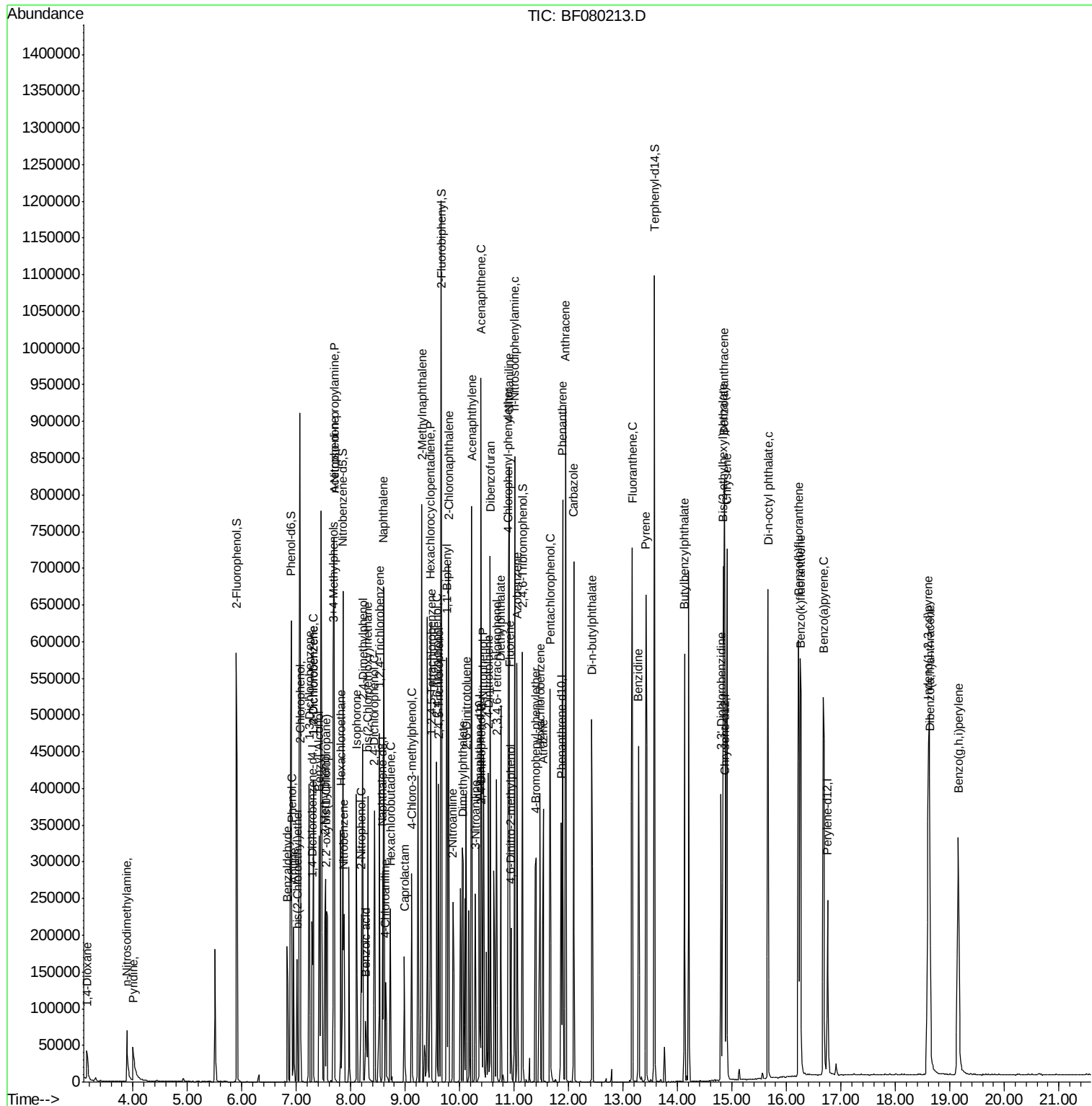
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.58	196	58969	47.66	ng	98
43) 2,4,5-Trichlorophenol	9.61	196	59945	42.05	ng #	90
45) 1,1'-Biphenyl	9.76	154	218524	42.98	ng	92
46) 2-Chloronaphthalene	9.80	162	183736	44.54	ng	96
47) 2-Nitroaniline	9.88	65	50524	44.62	ng #	59
48) Acenaphthylene	10.22	152	308203	44.76	ng	98
49) Dimethylphthalate	10.06	163	202320	43.07	ng #	97
50) 2,6-Dinitrotoluene	10.12	165	44035	46.76	ng #	56
51) Acenaphthene	10.39	154	195081	46.32	ng	92
52) 3-Nitroaniline	10.29	138	35342	32.53	ng #	54
53) 2,4-Dinitrophenol	10.40	184	35730	92.25	ng #	36
54) Dibenzofuran	10.56	168	263660	44.12	ng #	88
55) 4-Nitrophenol	10.44	139	66977	77.12	ng #	44
56) 2,4-Dinitrotoluene	10.53	165	66168	55.37	ng #	86
57) Fluorene	10.92	166	204563	43.14	ng	90
58) 2,3,4,6-Tetrachlorophenol	10.68	232	51083	42.45	ng	98
59) Diethylphthalate	10.76	149	195545	41.34	ng	96
60) 4-Chlorophenyl-phenylether	10.89	204	103949	45.61	ng	91
61) 4-Nitroaniline	10.90	138	48378	43.11	ng #	50
62) Azobenzene	11.05	77	207575	43.11	ng	86
64) 4,6-Dinitro-2-methylphenol	10.94	198	25149	41.97	ng	88
65) n-Nitrosodiphenylamine	11.01	169	184049	45.21	ng	92
66) 4-Bromophenyl-phenylether	11.40	248	60820	45.75	ng #	85
67) Hexachlorobenzene	11.48	284	67725	45.84	ng #	80
68) Atrazine	11.53	200	56732	44.11	ng	84
69) Pentachlorophenol	11.66	266	66817	79.81	ng	100
70) Phenanthrene	11.89	178	322856	42.66	ng	96
71) Anthracene	11.94	178	338514	46.45	ng	98
72) Carbazole	12.09	167	292841	42.09	ng	96
73) Di-n-butylphthalate	12.42	149	320114	39.82	ng #	98
74) Fluoranthene	13.17	202	363473	45.09	ng	88
76) Benzidine	13.28	184	188811	50.42	ng #	98
77) Pyrene	13.42	202	371897	45.09	ng	97
79) Butylbenzylphthalate	14.13	149	142546	43.04	ng #	83
80) Benzo(a)anthracene	14.86	228	376517	46.14	ng	97
81) 3,3'-Dichlorobenzidine	14.80	252	111095	39.47	ng #	94
82) Chrysene	14.91	228	340404	45.23	ng	95
83) Bis(2-ethylhexyl)phthalate	14.84	149	212389	40.57	ng #	95
84) Di-n-octyl phthalate	15.66	149	350458	39.07	ng	96
85) Indeno(1,2,3-cd)pyrene	18.61	276	404041	42.58	ng #	88
87) Benzo(b)fluoranthene	16.22	252	368659	46.29	ng #	89
88) Benzo(k)fluoranthene	16.27	252	360470	44.45	ng #	86
89) Benzo(a)pyrene	16.68	252	358834	47.44	ng #	89
90) Dibenzo(a,h)anthracene	18.63	278	340692	44.01	ng #	81
91) Benzo(g,h,i)perylene	19.16	276	344497	44.07	ng #	76

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

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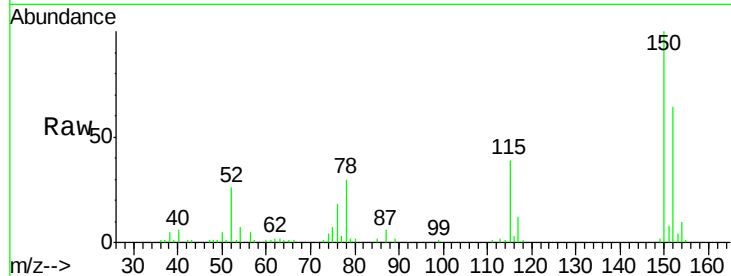


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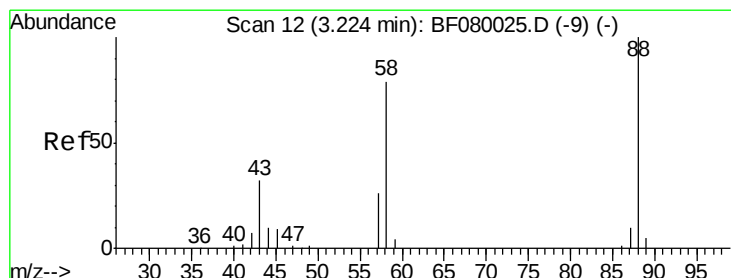
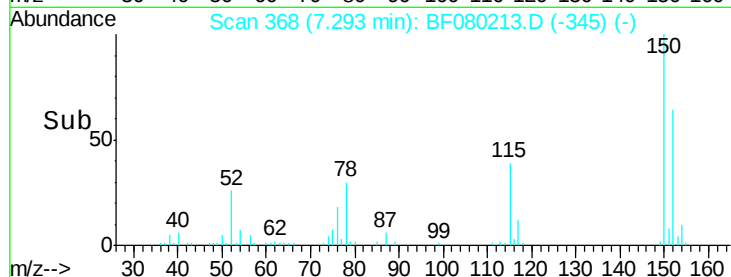
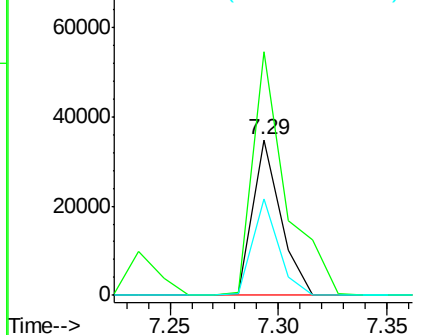
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.29 min Scan# 368
Delta R.T. -0.03 min
Lab File: BF080213.D
Acq: 29 Jun 2015 18:35

Instrument :
BNA_F
ClientSampleId :
SOIL-STOCKPILE-TMSD

Tgt Ion:152 Resp: 31181
Ion Ratio Lower Upper
152 100
150 156.2 124.7 187.1
115 61.4 39.0 58.4#



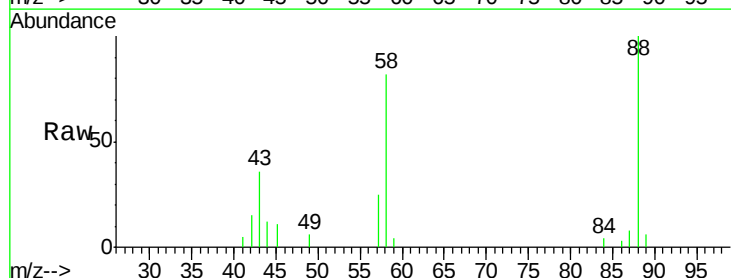
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



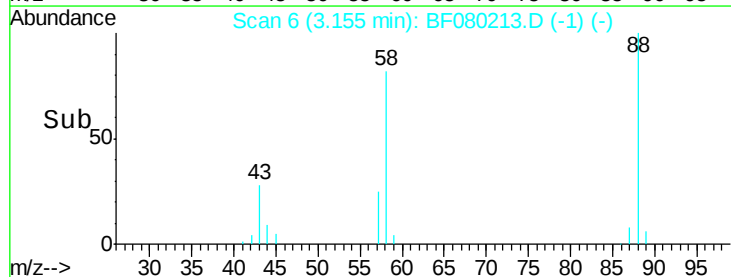
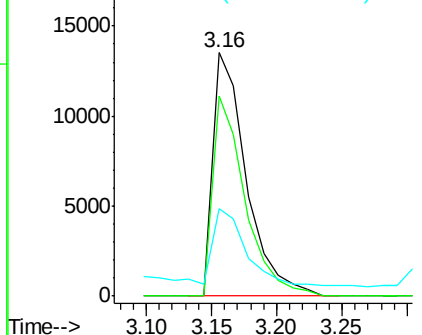
#2

1,4-Dioxane
Concen: 28.86 ng
RT: 3.16 min Scan# 6
Delta R.T. -0.03 min
Lab File: BF080213.D
Acq: 29 Jun 2015 18:35

Tgt Ion: 88 Resp: 24161
Ion Ratio Lower Upper
88 100
58 79.3 77.7 116.5
43 34.5 26.6 40.0



Abundance Ion 88.00 (87.70 to 88.70): BF0
Ion 58.00 (57.70 to 58.70): BF0
Ion 43.00 (42.70 to 43.70): BF0





#3

Pyridine

Concen: 23.11 ng

RT: 4.00 min Scan# 80

Delta R.T. -0.00 min

Lab File: BF080213.D

Acq: 29 Jun 2015 18:35

Instrument :

BNA_F

ClientSampleId :

SOIL-STOCKPILE-TMSD

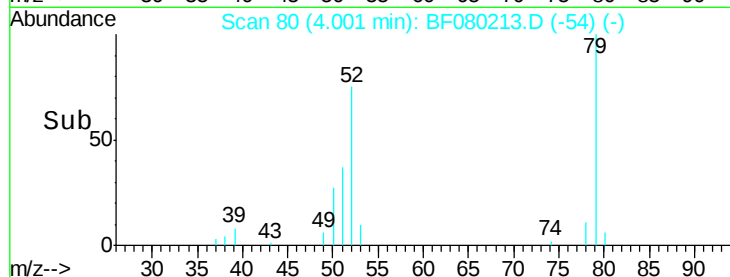
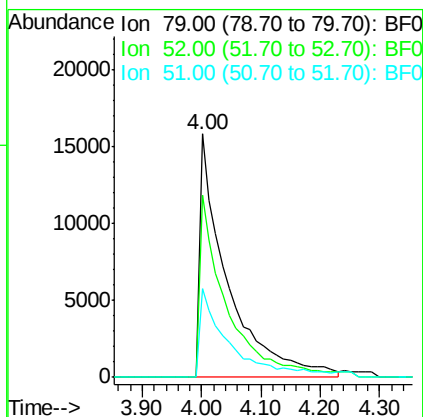
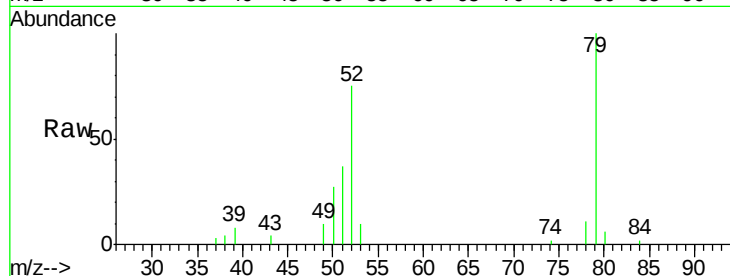
Tgt Ion: 79 Resp: 51455

Ion Ratio Lower Upper

79 100

52 74.9 76.8 115.2#

51 36.7 32.2 48.4



#4

n-Nitrosodimethylamine

Concen: 33.90 ng

RT: 3.89 min Scan# 70

Delta R.T. -0.03 min

Lab File: BF080213.D

Acq: 29 Jun 2015 18:35

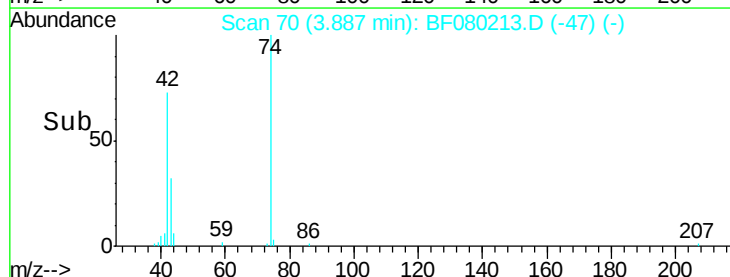
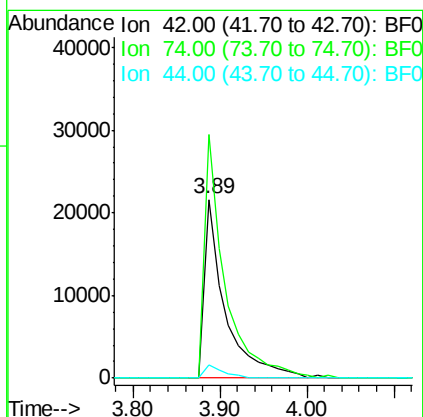
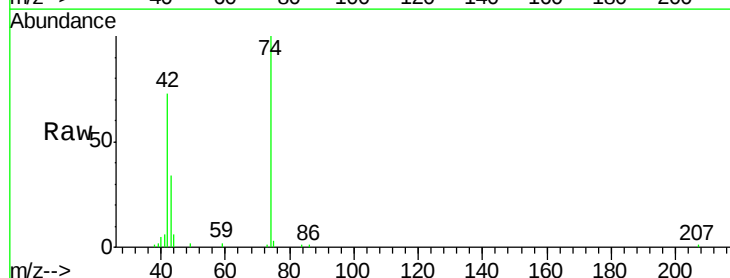
Tgt Ion: 42 Resp: 35871

Ion Ratio Lower Upper

42 100

74 136.5 105.0 157.6

44 7.6 6.6 10.0





#5

2-Fluorophenol

Concen: 120.11 ng

RT: 5.90 min Scan# 246

Delta R.T. -0.03 min

Lab File: BF080213.D

Acq: 29 Jun 2015 18:35

Instrument :

BNA_F

ClientSampleId :

SOIL-STOCKPILE-TMSD

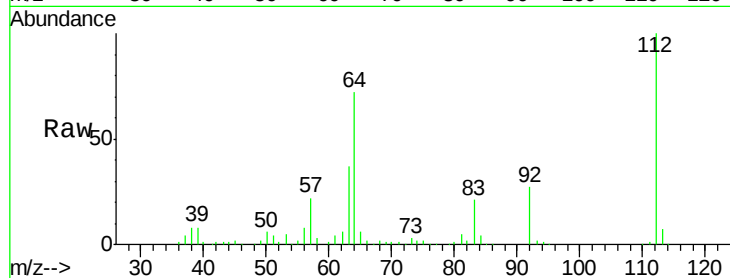
Tgt Ion: 112 Resp: 211568

Ion Ratio Lower Upper

112 100

64 71.8 39.7 59.5#

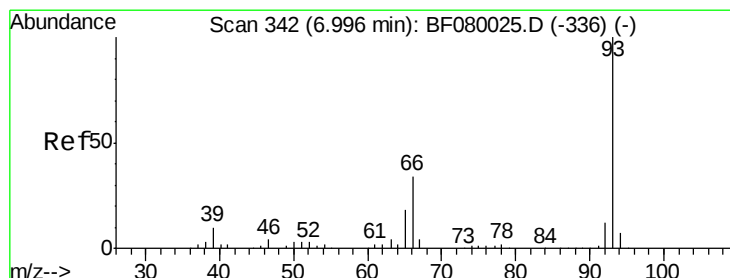
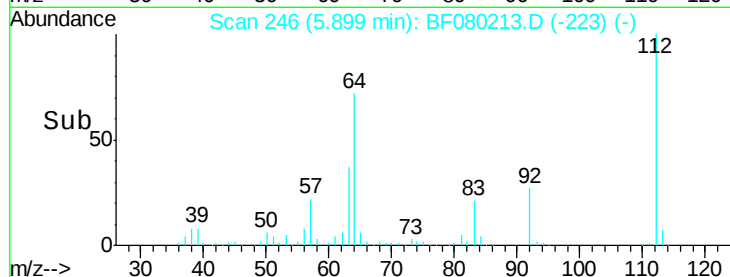
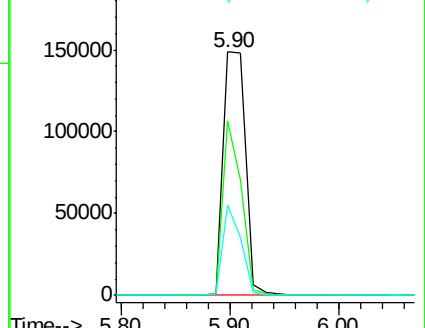
63 37.0 17.4 26.0#



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: 21.85 ng

RT: 6.95 min Scan# 338

Delta R.T. -0.02 min

Lab File: BF080213.D

Acq: 29 Jun 2015 18:35

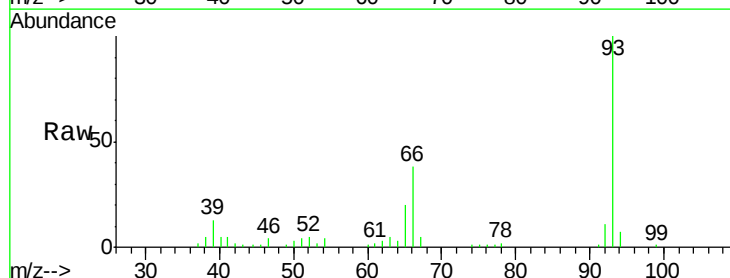
Tgt Ion: 93 Resp: 70472

Ion Ratio Lower Upper

93 100

66 38.0 27.2 40.8

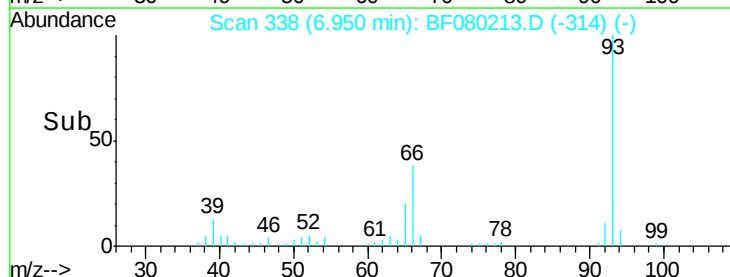
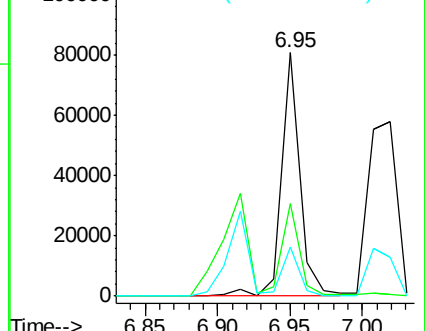
65 20.3 14.7 22.1



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: 114.69 ng

RT: 6.90 min Scan# 334

Delta R.T. -0.02 min

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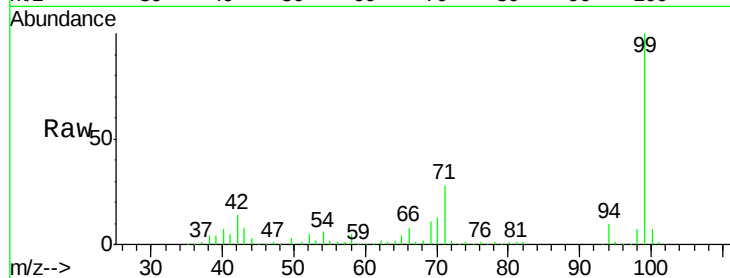
Tgt Ion: 99 Resp: 268837

Ion Ratio Lower Upper

99 100

42 14.5 13.7 20.5

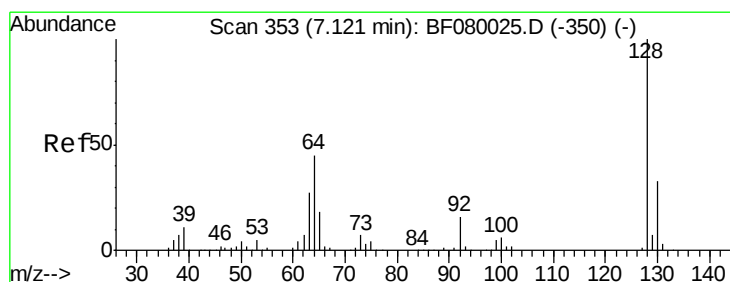
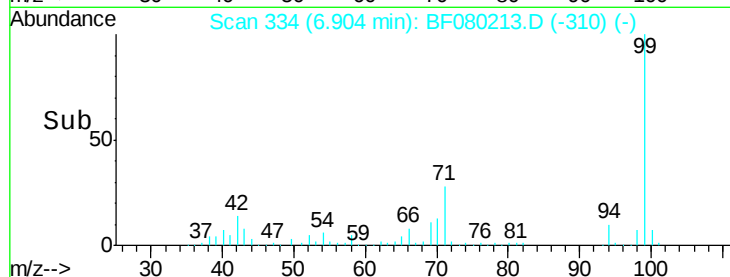
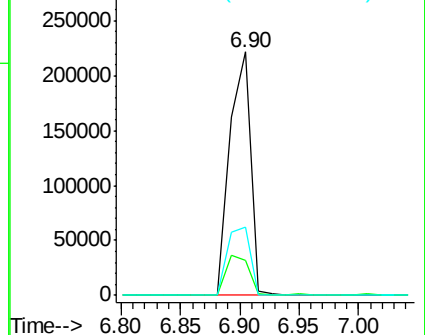
71 27.9 14.2 21.2#



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: 41.79 ng

RT: 7.08 min Scan# 349

Delta R.T. -0.03 min

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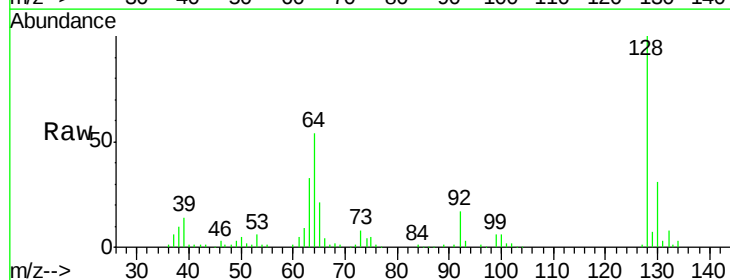
Tgt Ion: 128 Resp: 85068

Ion Ratio Lower Upper

128 100

130 31.1 12.2 52.2

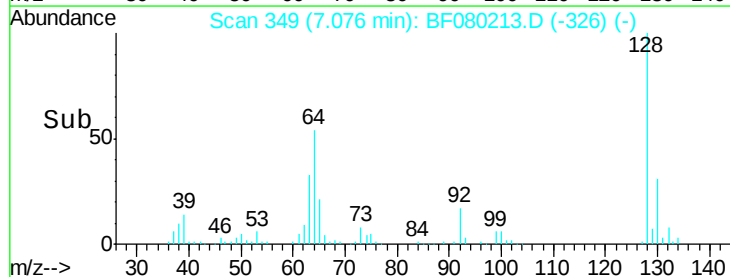
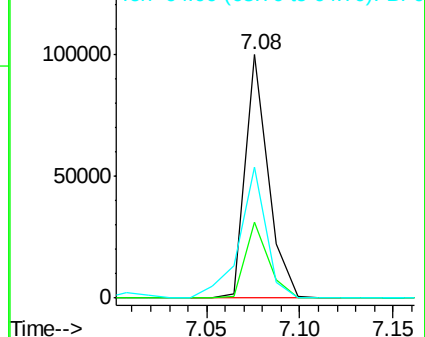
64 53.6 20.5 60.5

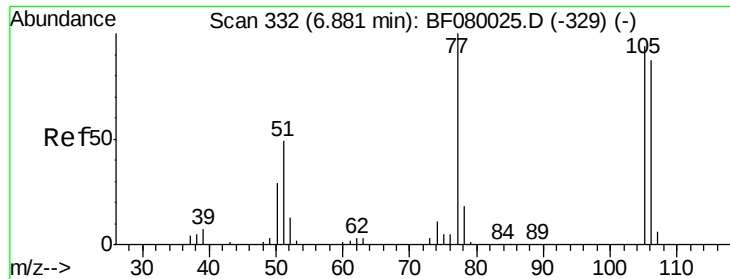


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 36.32 ng

RT: 6.84 min Scan# 328

Delta R.T. -0.03 min

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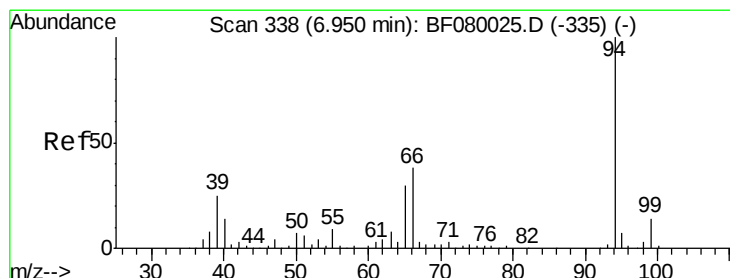
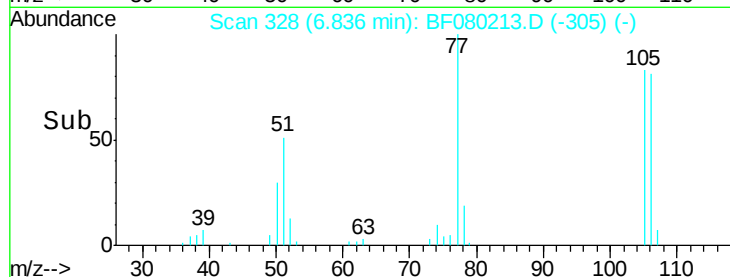
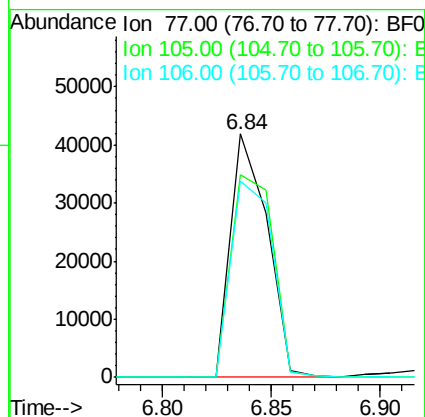
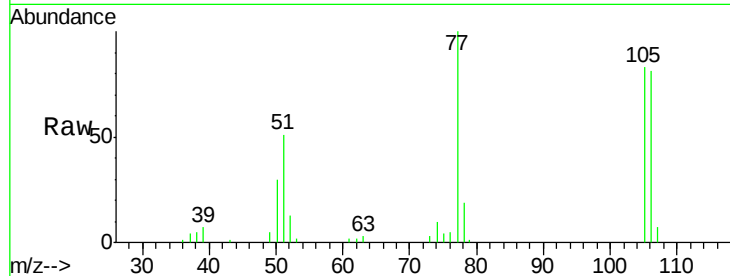
Tgt Ion: 77 Resp: 49152

Ion Ratio Lower Upper

77 100

105 83.0 91.6 131.6#

106 80.9 102.6 142.6#



#10

Phenol

Concen: 37.18 ng

RT: 6.92 min Scan# 335

Delta R.T. -0.02 min

Lab File: BF080213.D

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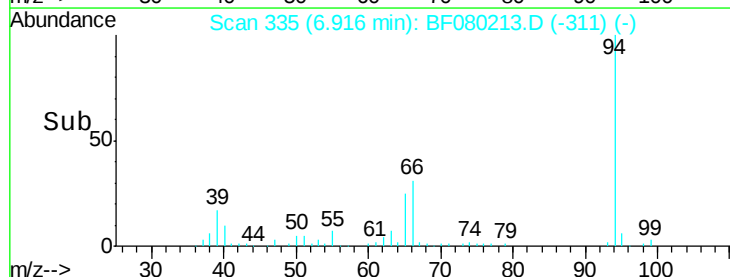
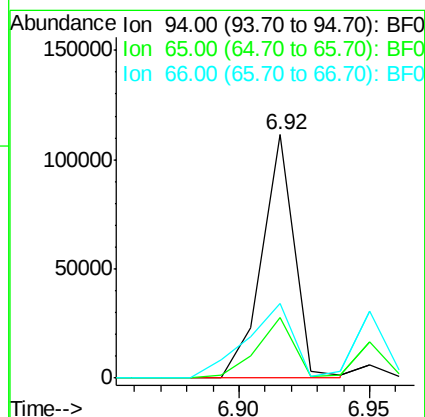
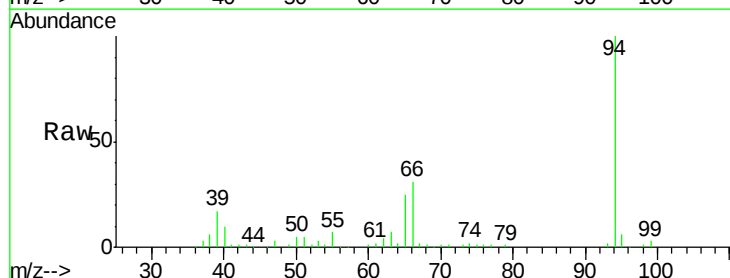
Tgt Ion: 94 Resp: 95114

Ion Ratio Lower Upper

94 100

65 25.1 0.7 40.7

66 30.6 0.8 40.8

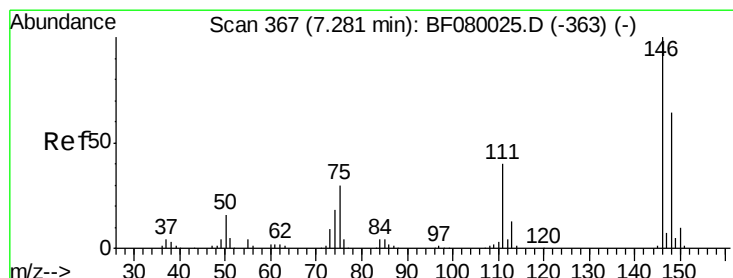
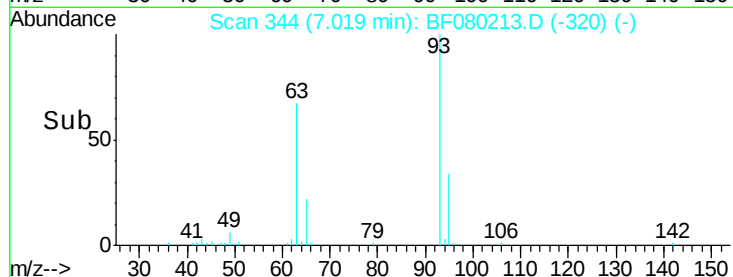
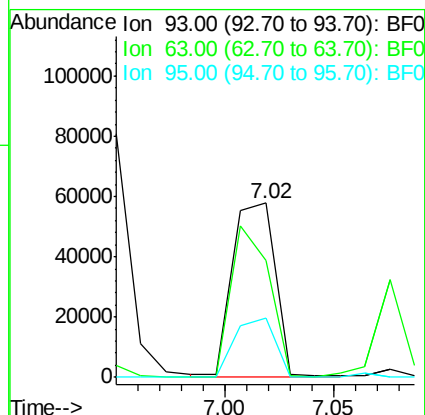
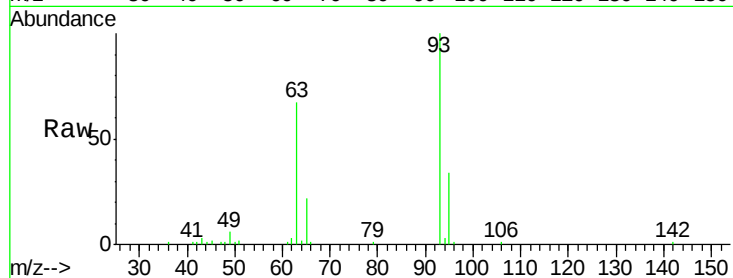




#11
 bis(2-Chloroethyl)ether
 Concen: 39.23 ng
 RT: 7.02 min Scan# 344
 Delta R.T. -0.02 min
 Lab File: BF080213.D
 Acq: 29 Jun 2015 18:35

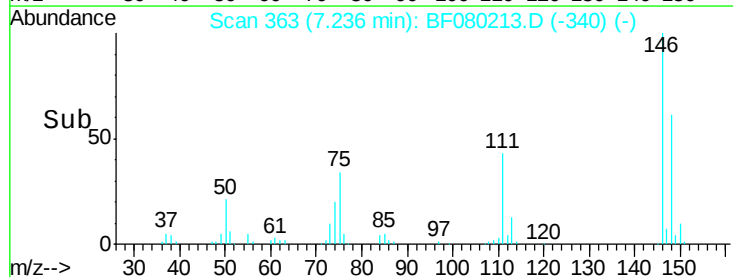
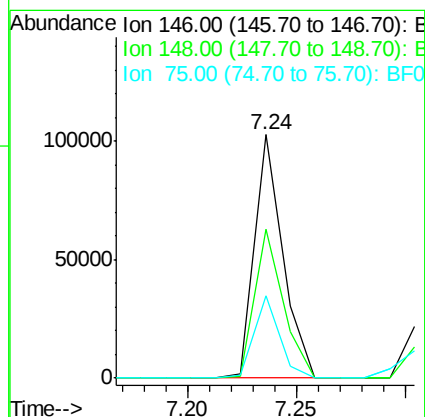
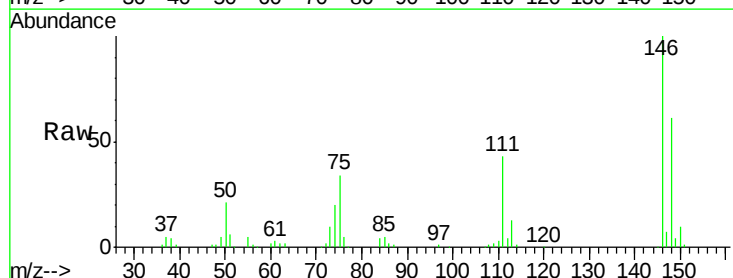
Instrument :
 BNA_F
 ClientSampleId :
 SOIL-STOCKPILE-TMSD

Tgt Ion: 93 Resp: 79622
 Ion Ratio Lower Upper
 93 100
 63 67.1 65.6 105.6
 95 34.1 13.6 53.6



#12
 1,3-Dichlorobenzene
 Concen: 37.99 ng
 RT: 7.24 min Scan# 363
 Delta R.T. -0.03 min
 Lab File: BF080213.D
 Acq: 29 Jun 2015 18:35

Tgt Ion: 146 Resp: 92904
 Ion Ratio Lower Upper
 146 100
 148 61.3 51.0 76.4
 75 33.8 15.0 22.6#

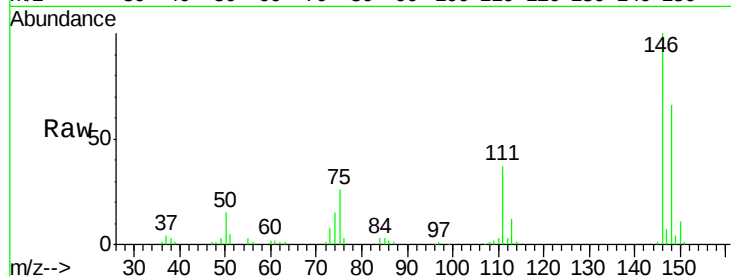




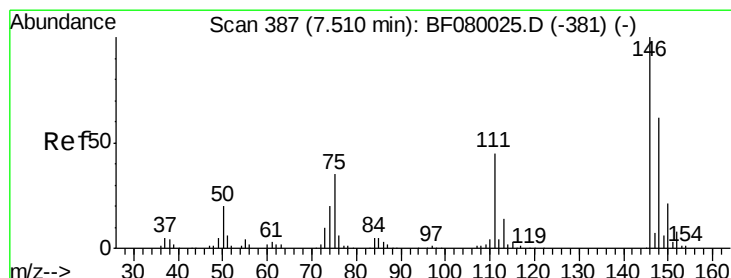
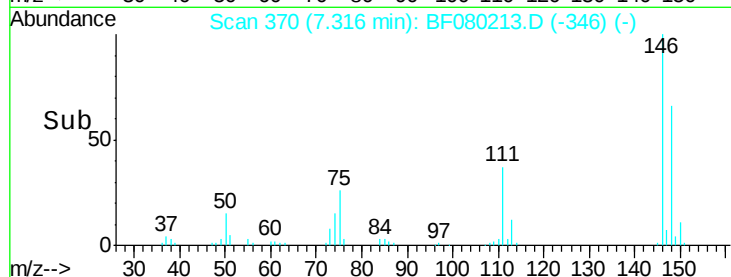
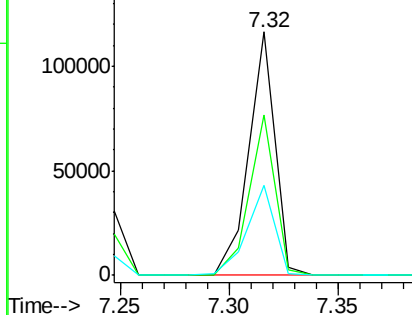
#13
 1,4-Dichlorobenzene
 Concen: 41.84 ng
 RT: 7.32 min Scan# 370
 Delta R.T. -0.02 min
 Lab File: BF080213.D
 Acq: 29 Jun 2015 18:35

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-STOCKPILE-TMSD

Tgt Ion:146 Resp: 97308
 Ion Ratio Lower Upper
 146 100
 148 65.7 51.8 77.6
 111 36.8 24.9 37.3

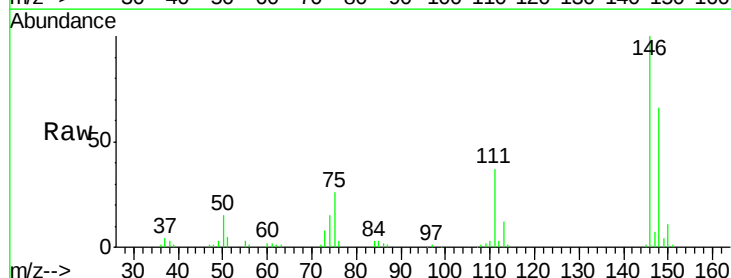


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

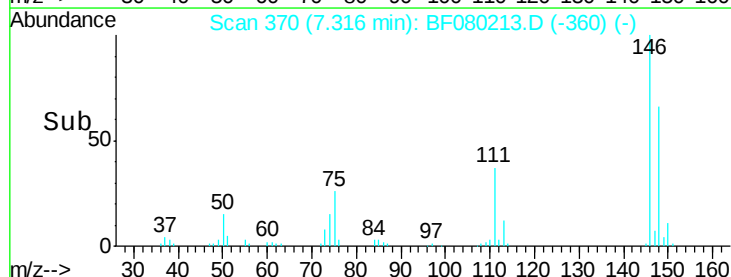
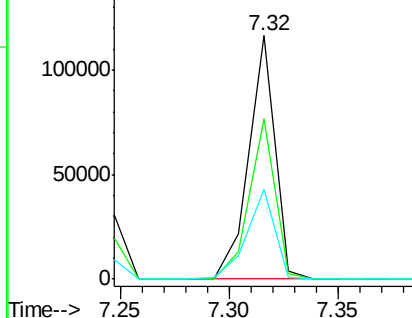


#14
 1,2-Dichlorobenzene
 Concen: 42.99 ng
 RT: 7.32 min Scan# 370
 Delta R.T. -0.18 min
 Lab File: BF080213.D
 Acq: 29 Jun 2015 18:35

Tgt Ion:146 Resp: 97308
 Ion Ratio Lower Upper
 146 100
 148 65.7 52.7 79.1
 111 36.8 28.8 43.2



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





#15

Benzyl Alcohol

Concen: 40.12 ng

RT: 7.42 min Scan# 379

Delta R.T. -0.02 min

Lab File: BF080213.D

Acq: 29 Jun 2015 18:35

Instrument :

BNA_F

ClientSampleId :

SOIL-STOCKPILE-TMSD

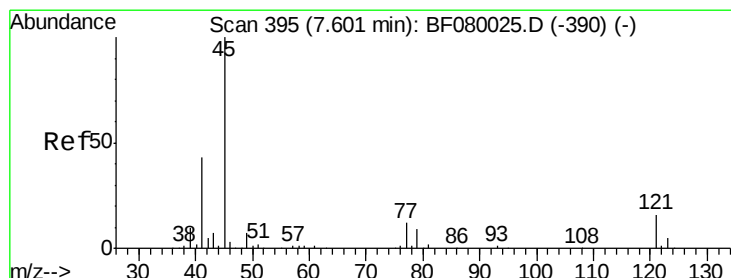
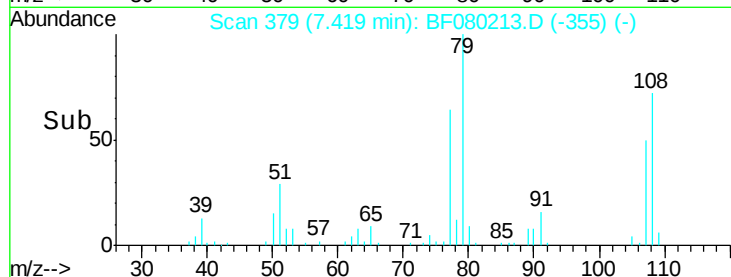
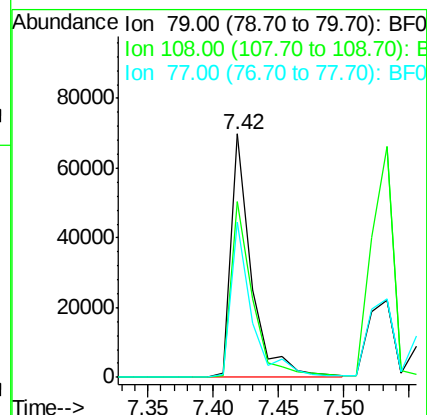
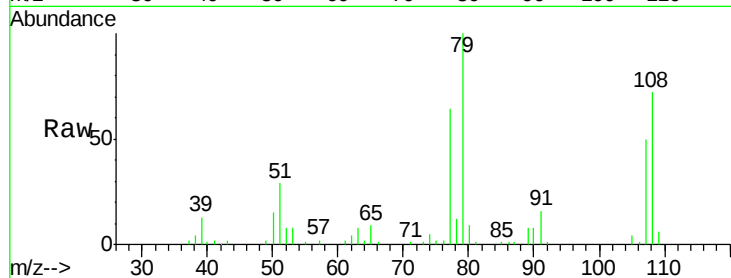
Tgt Ion: 79 Resp: 76901

Ion Ratio Lower Upper

79 100

108 72.1 88.6 132.8#

77 63.7 47.0 70.4



#16

2,2'-oxybis(1-Chloropropane)

Concen: 44.79 ng

RT: 7.56 min Scan# 391

Delta R.T. -0.03 min

Lab File: BF080213.D

Acq: 29 Jun 2015 18:35

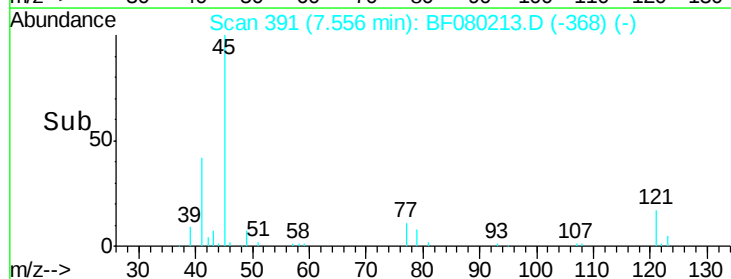
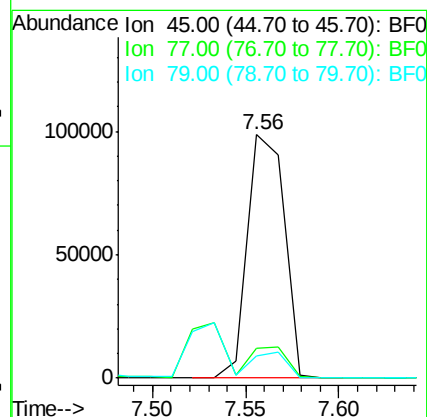
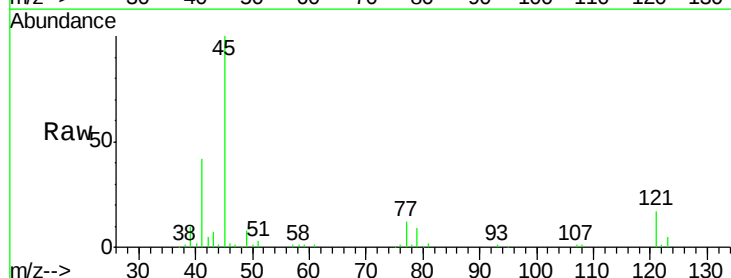
Tgt Ion: 45 Resp: 134919

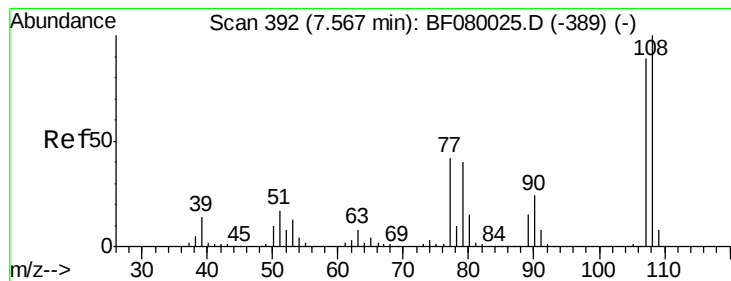
Ion Ratio Lower Upper

45 100

77 12.1 0.0 28.1

79 9.2 0.0 26.0

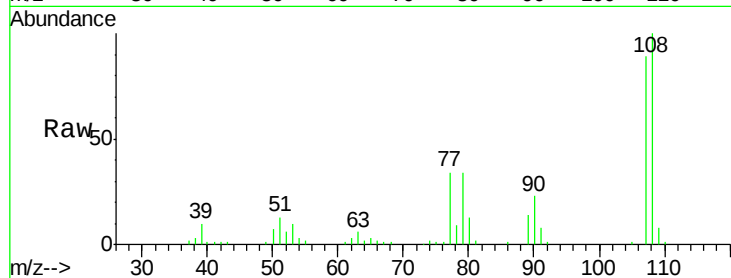




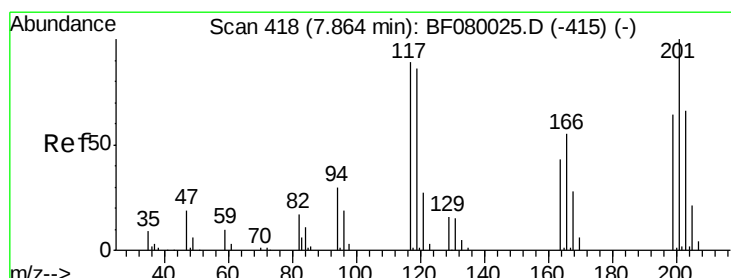
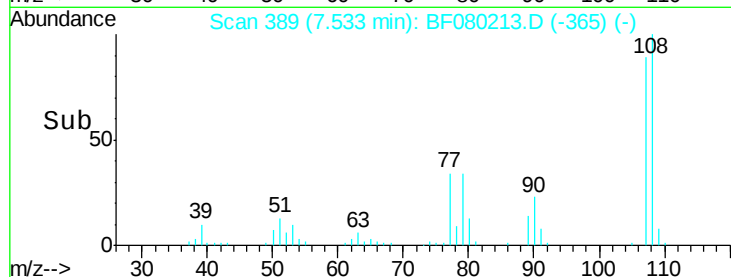
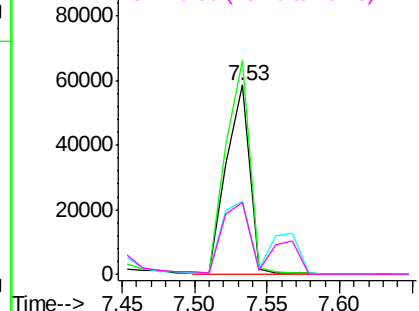
#17
2-Methylphenol
Concen: 37.94 ng
RT: 7.53 min Scan# 389
Delta R.T. -0.02 min
Lab File: BF080213.D
Acq: 29 Jun 2015 18:35

Instrument :
BNA_F
ClientSampleId :
SOIL-STOCKPILE-TMSD

Tgt Ion:107 Resp: 65970
Ion Ratio Lower Upper
107 100
108 112.8 96.6 145.0
77 38.6 23.3 34.9#
79 37.9 22.0 33.0#

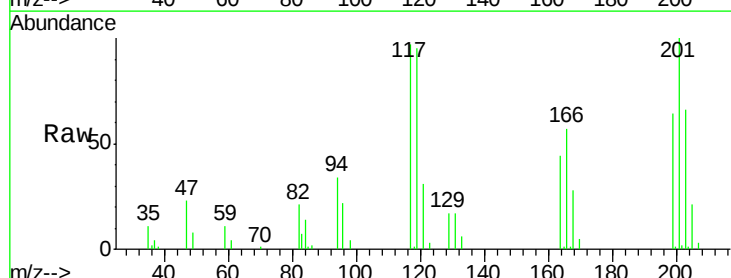


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF0
Ion 79.00 (78.70 to 79.70): BF0

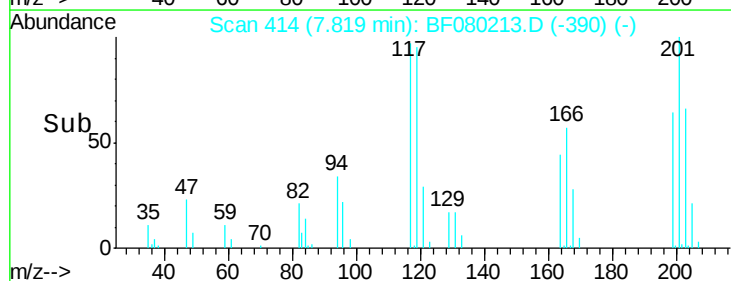
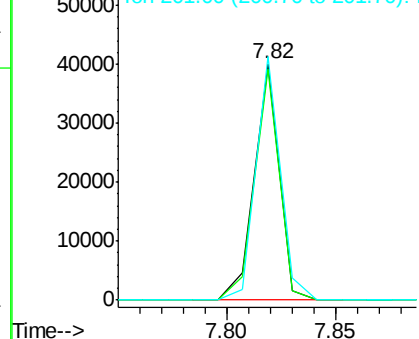


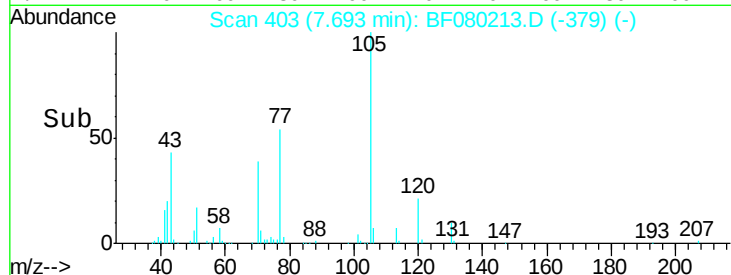
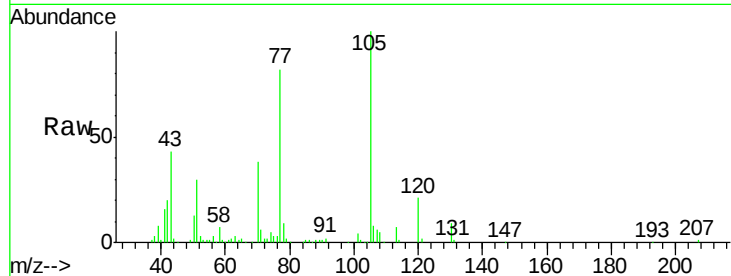
#18
Hexachloroethane
Concen: 40.85 ng
RT: 7.82 min Scan# 414
Delta R.T. -0.02 min
Lab File: BF080213.D
Acq: 29 Jun 2015 18:35

Tgt Ion:117 Resp: 31637
Ion Ratio Lower Upper
117 100
119 97.6 83.8 125.6
201 103.1 55.1 82.7#



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

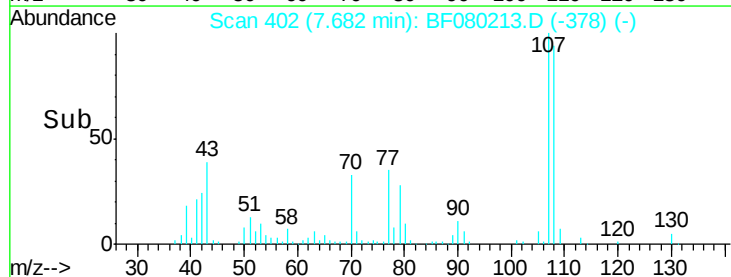
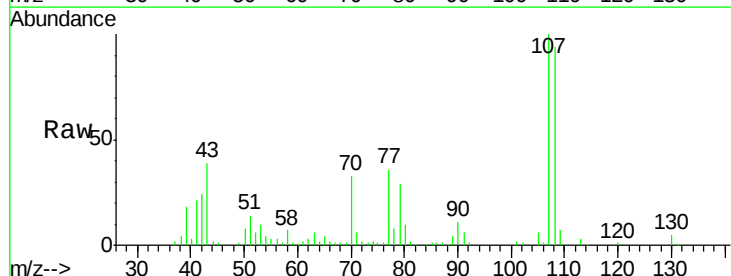
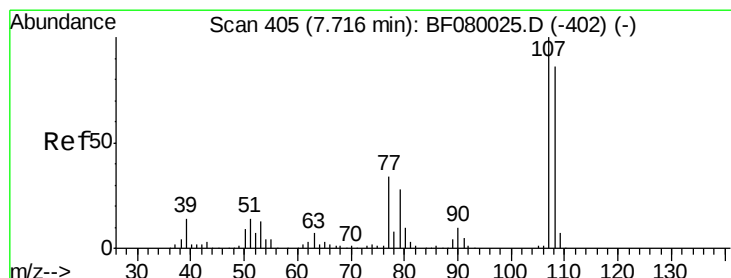
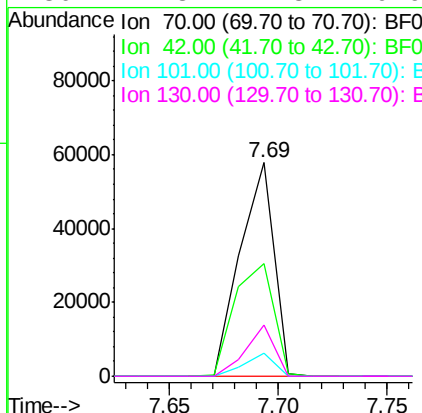




#19
n-Nitroso-di-n-propylamine
Concen: 38.39 ng
RT: 7.69 min Scan# 403
Delta R.T. -0.02 min
Lab File: BF080213.D
Acq: 29 Jun 2015 18:35

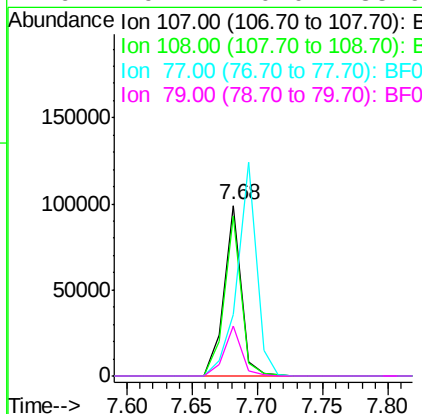
Instrument :
BNA_F
ClientSampleId :
SOIL-STOCKPILE-TMSD

Tgt Ion: 70 Resp: 62475
Ion Ratio Lower Upper
70 100
42 52.8 63.8 95.6#
101 10.7 9.2 13.8
130 24.3 27.3 40.9#



#20
3+4-Methylphenols
Concen: 41.00 ng
RT: 7.68 min Scan# 402
Delta R.T. -0.02 min
Lab File: BF080213.D
Acq: 29 Jun 2015 18:35

Tgt Ion: 107 Resp: 92023
Ion Ratio Lower Upper
107 100
108 93.9 74.6 114.6
77 36.0 0.7 40.7
79 29.2 0.0 38.9

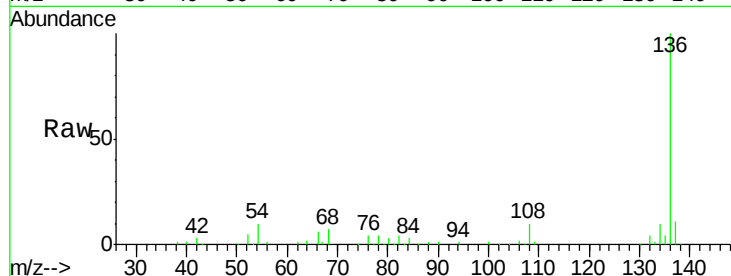




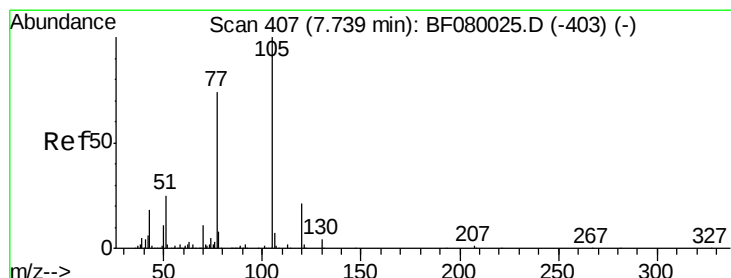
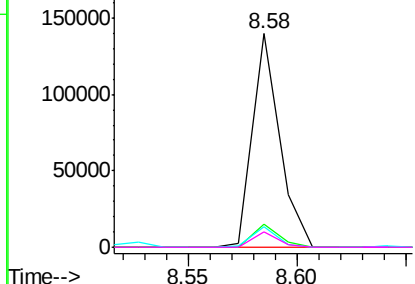
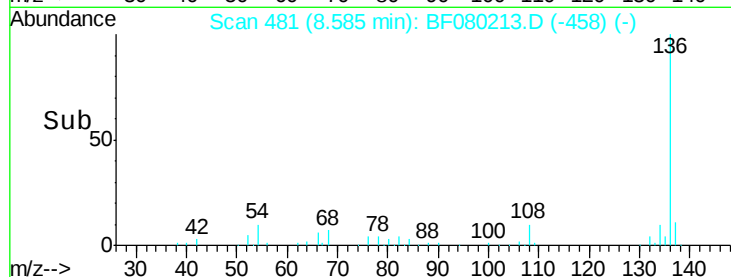
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.58 min Scan# 481
Delta R.T. -0.03 min
Lab File: BF080213.D
Acq: 29 Jun 2015 18:35

Instrument :
BNA_F
ClientSampleId :
SOIL-STOCKPILE-TMSD

Tgt Ion:	136	Resp:	121111
Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.0	13.6
54	9.8	8.2	12.2
68	7.0	5.8	8.6

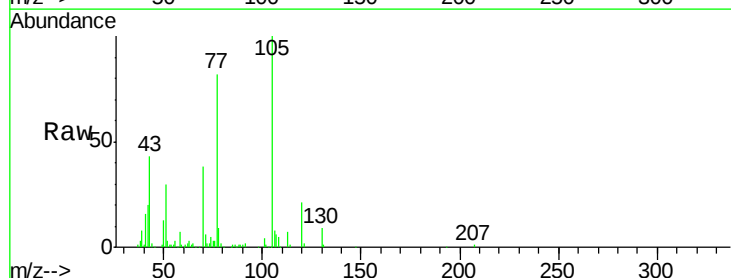


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

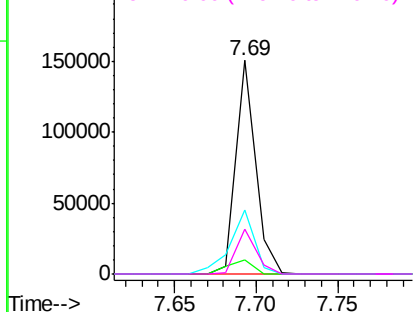
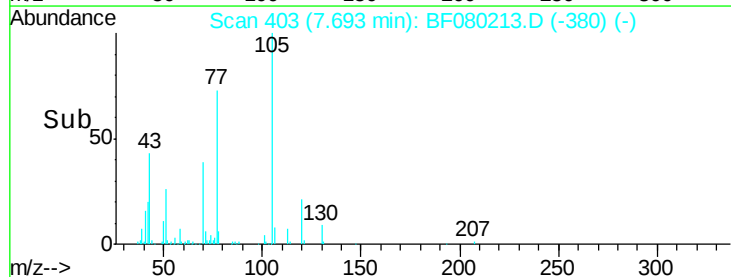


#22
Acetophenone
Concen: 44.11 ng
RT: 7.69 min Scan# 403
Delta R.T. -0.03 min
Lab File: BF080213.D
Acq: 29 Jun 2015 18:35

Tgt Ion:	105	Resp:	124496
Ion	Ratio	Lower	Upper
105	100		
71	6.3	4.7	7.1
51	30.0	22.0	33.0
120	20.9	30.1	45.1#



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

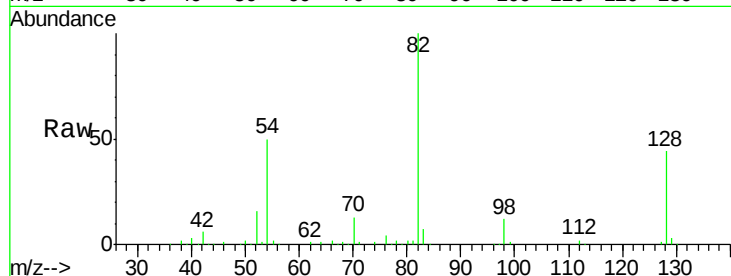




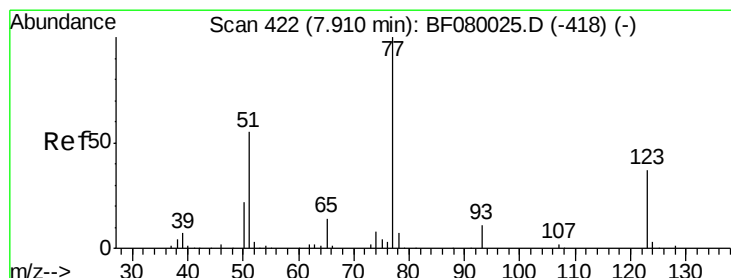
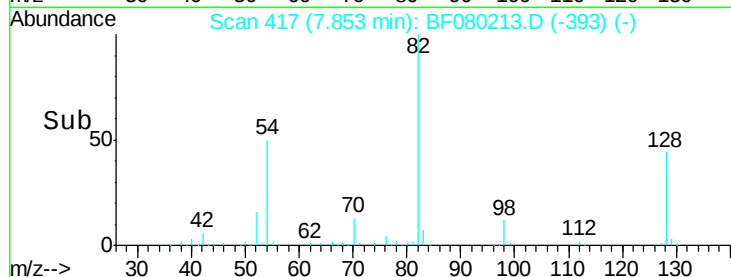
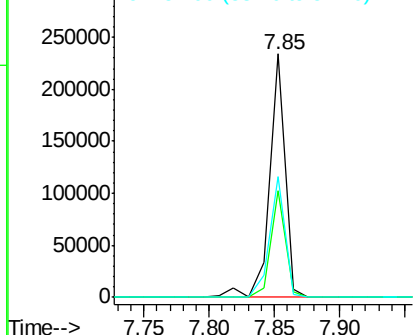
#23
 Nitrobenzene-d5
 Concen: 94.16 ng
 RT: 7.85 min Scan# 417
 Delta R.T. -0.02 min
 Lab File: BF080213.D
 Acq: 29 Jun 2015 18:35

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-STOCKPILE-TMSD

Tgt Ion: 82 Resp: 195897
 Ion Ratio Lower Upper
 82 100
 128 43.7 51.0 76.6#
 54 49.8 47.5 71.3

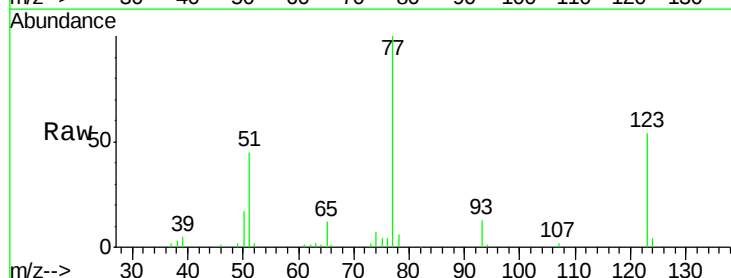


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

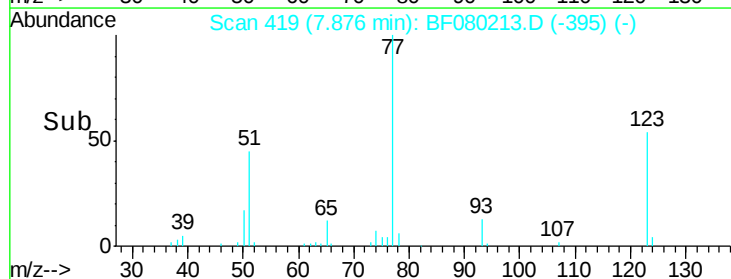
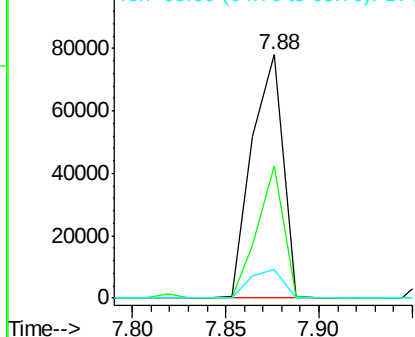


#24
 Nitrobenzene
 Concen: 41.88 ng
 RT: 7.88 min Scan# 419
 Delta R.T. -0.02 min
 Lab File: BF080213.D
 Acq: 29 Jun 2015 18:35

Tgt Ion: 77 Resp: 89919
 Ion Ratio Lower Upper
 77 100
 123 54.4 59.8 89.8#
 65 11.9 10.2 15.4



Abundance Ion 77.00 (76.70 to 77.70): BF0
 Ion 123.00 (122.70 to 123.70): B
 Ion 65.00 (64.70 to 65.70): BF0





#25

Isophorone

Concen: 40.34 ng

RT: 8.10 min Scan# 439

Delta R.T. -0.03 min

Lab File: BF080213.D

Acq: 29 Jun 2015 18:35

Instrument :

BNA_F

ClientSampleId :

SOIL-STOCKPILE-TMSD

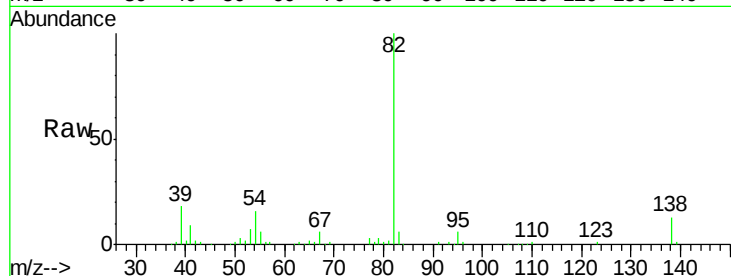
Tgt Ion: 82 Resp: 168906

Ion Ratio Lower Upper

82 100

95 6.1 4.0 6.0#

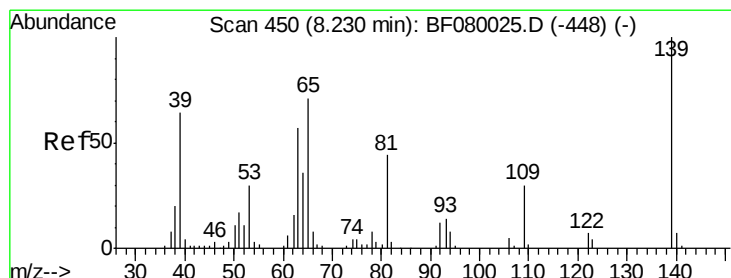
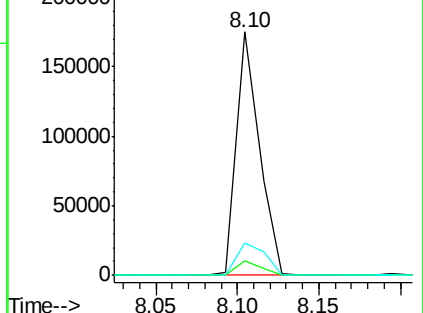
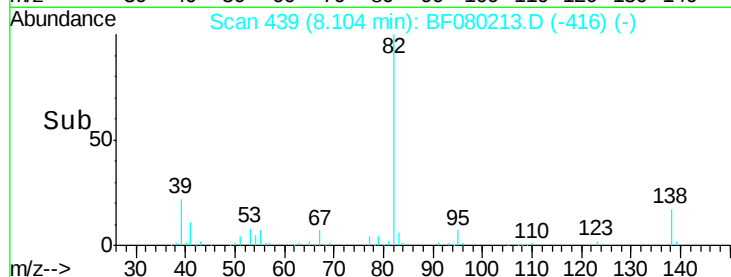
138 13.5 18.3 27.5#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0



#26

2-Nitrophenol

Concen: 49.13 ng

RT: 8.20 min Scan# 447

Delta R.T. -0.02 min

Lab File: BF080213.D

Acq: 29 Jun 2015 18:35

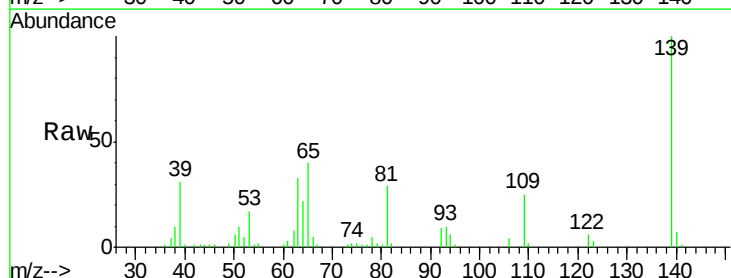
Tgt Ion: 139 Resp: 44153

Ion Ratio Lower Upper

139 100

109 25.3 11.0 16.4#

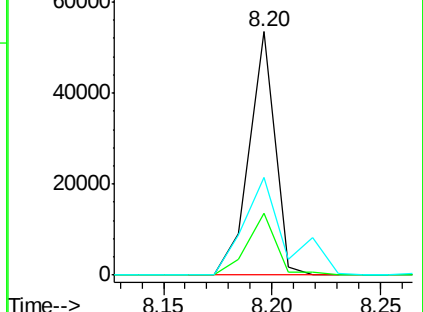
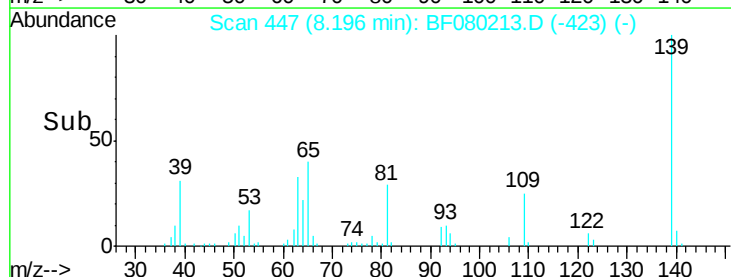
65 39.9 24.7 37.1#



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





#27

2,4-Dimethylphenol

Concen: 44.22 ng

RT: 8.22 min Scan# 449

Delta R.T. -0.02 min

Lab File: BF080213.D

Acq: 29 Jun 2015 18:35

Instrument :

BNA_F

ClientSampleId :

SOIL-STOCKPILE-TMSD

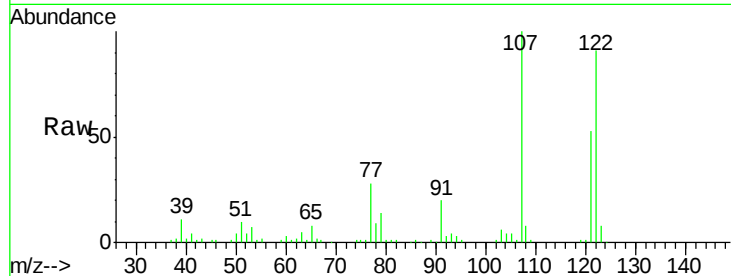
Tgt Ion:122 Resp: 82873

Ion Ratio Lower Upper

122 100

107 110.4 71.8 107.6#

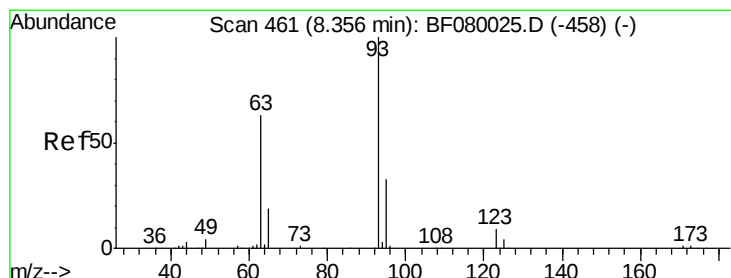
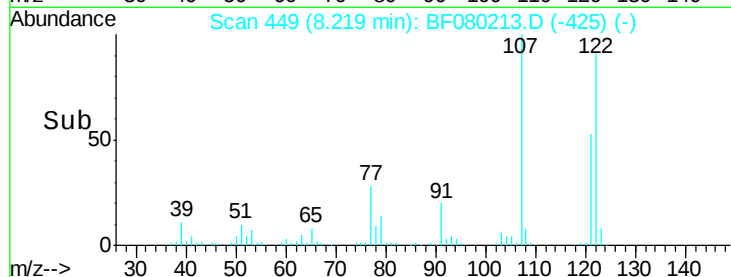
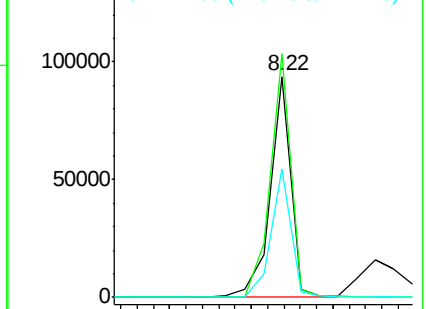
121 58.4 42.3 63.5



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: 44.80 ng

RT: 8.31 min Scan# 457

Delta R.T. -0.02 min

Lab File: BF080213.D

Acq: 29 Jun 2015 18:35

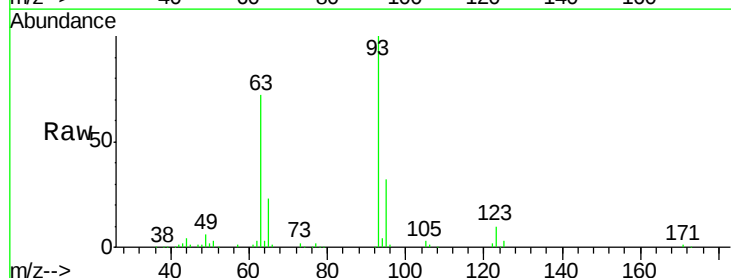
Tgt Ion: 93 Resp: 110194

Ion Ratio Lower Upper

93 100

95 31.8 27.5 41.3

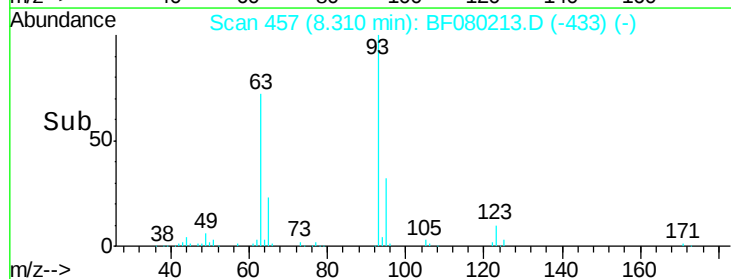
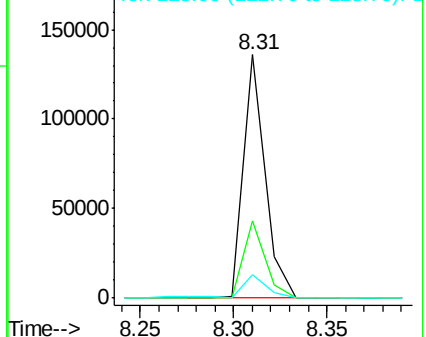
123 9.7 13.7 20.5#

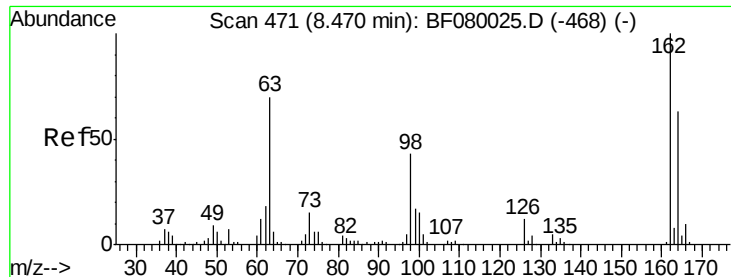


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 123.00 (122.70 to 123.70): E

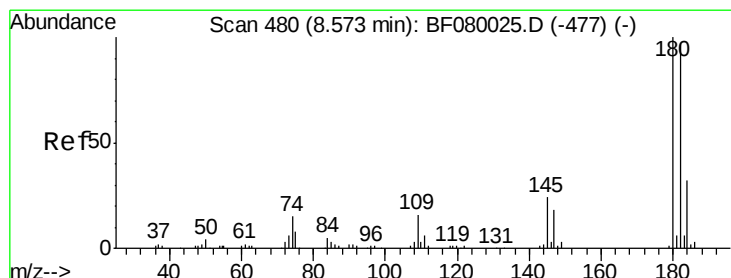
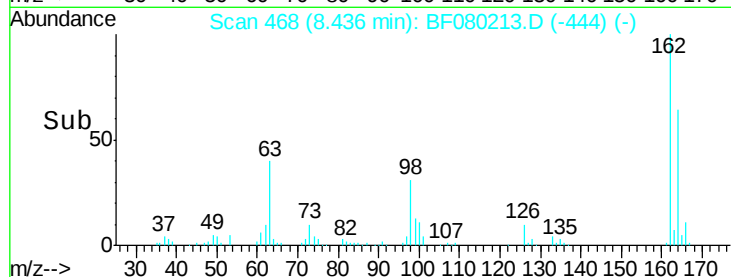
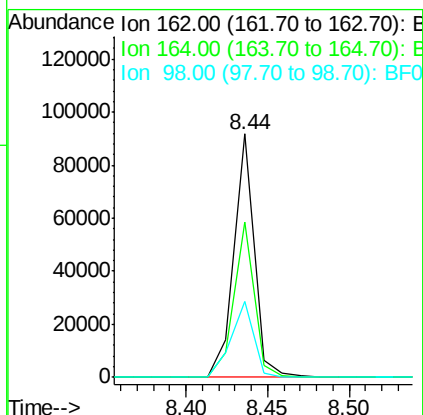
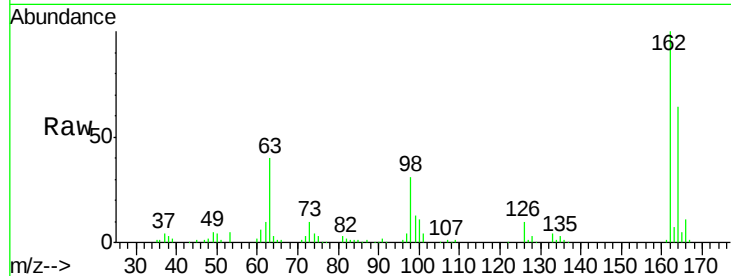




#29
 2,4-Dichlorophenol
 Concen: 48.90 ng
 RT: 8.44 min Scan# 468
 Delta R.T. -0.02 min
 Lab File: BF080213.D
 Acq: 29 Jun 2015 18:35

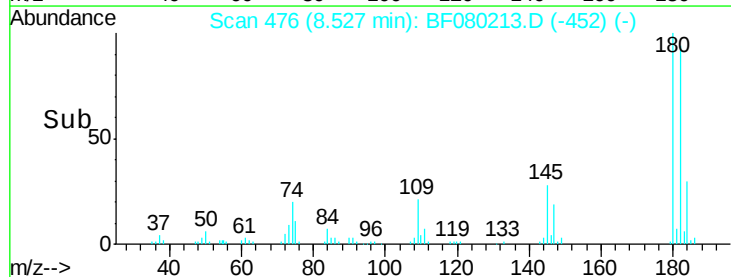
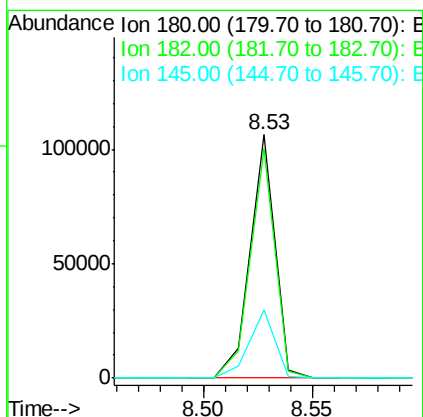
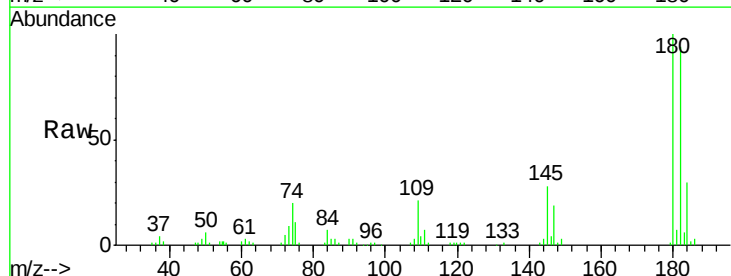
Instrument :
 BNA_F
 ClientSampleId :
 SOIL-STOCKPILE-TMSD

Tgt Ion:162 Resp: 78482
 Ion Ratio Lower Upper
 162 100
 164 63.9 44.9 84.9
 98 30.9 13.0 53.0



#30
 1,2,4-Trichlorobenzene
 Concen: 46.31 ng
 RT: 8.53 min Scan# 476
 Delta R.T. -0.02 min
 Lab File: BF080213.D
 Acq: 29 Jun 2015 18:35

Tgt Ion:180 Resp: 84404
 Ion Ratio Lower Upper
 180 100
 182 94.3 77.1 115.7
 145 27.9 23.3 34.9

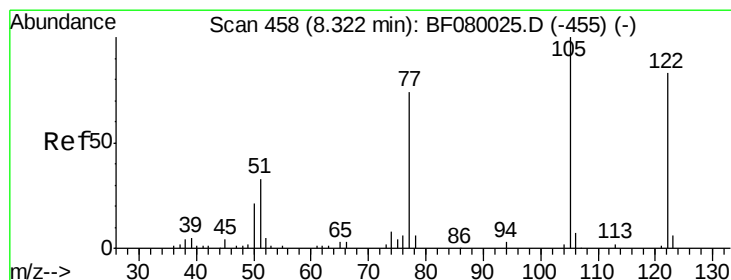
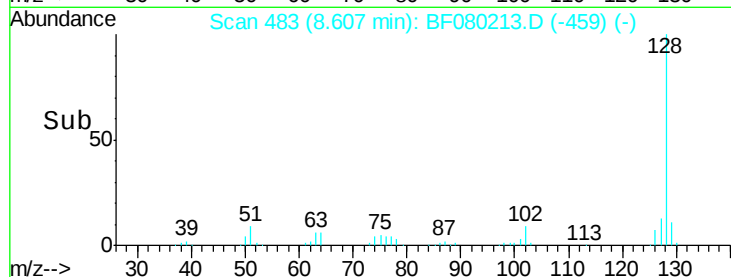
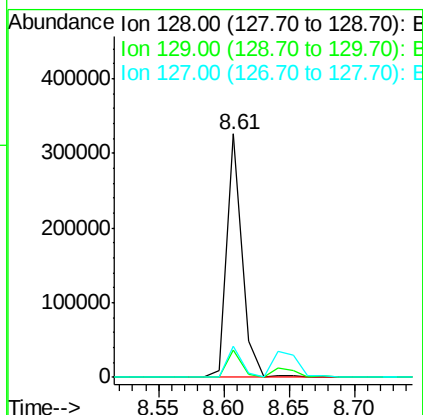
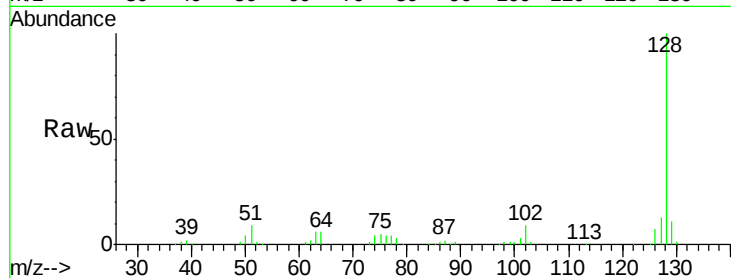




#31
Naphthalene
Concen: 42.17 ng
RT: 8.61 min Scan# 483
Delta R.T. -0.02 min
Lab File: BF080213.D
Acq: 29 Jun 2015 18:35

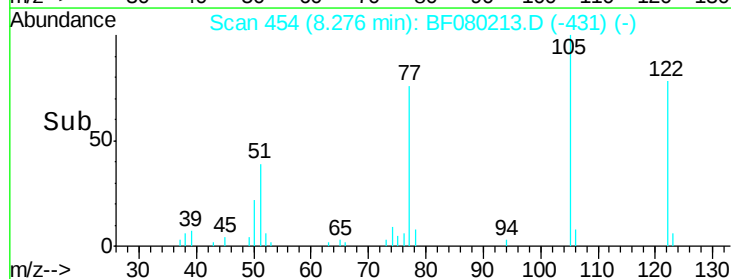
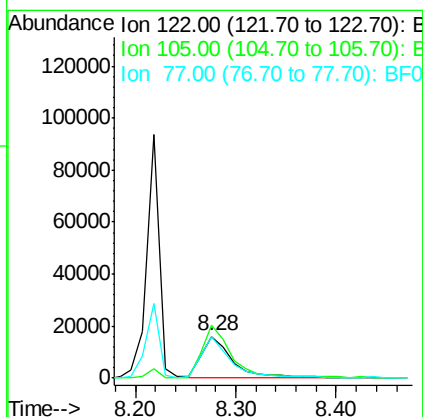
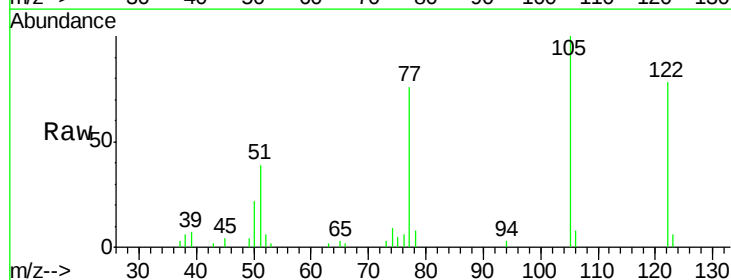
Instrument :
BNA_F
ClientSampleId :
SOIL-STOCKPILE-TMSD

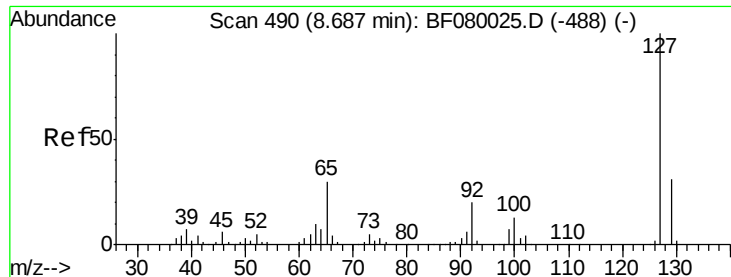
Tgt Ion:128 Resp: 267009
Ion Ratio Lower Upper
128 100
129 11.1 8.4 12.6
127 12.9 9.9 14.9



#32
Benzoic acid
Concen: 30.02 ng
RT: 8.28 min Scan# 454
Delta R.T. -0.03 min
Lab File: BF080213.D
Acq: 29 Jun 2015 18:35

Tgt Ion:122 Resp: 34020
Ion Ratio Lower Upper
122 100
105 128.1 76.1 116.1#
77 98.0 40.5 80.5#

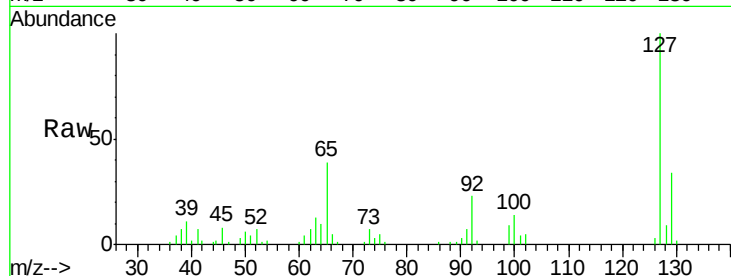




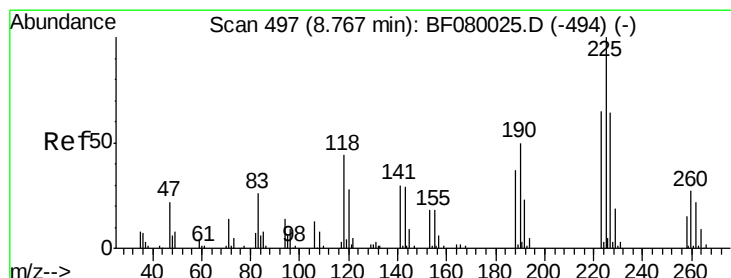
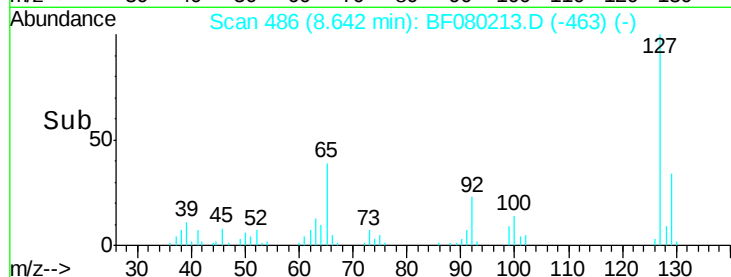
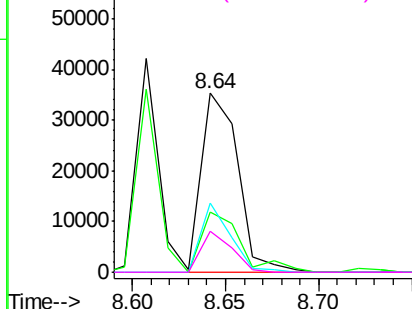
#33
 4-Chloroaniline
 Concen: 17.68 ng
 RT: 8.64 min Scan# 486
 Delta R.T. -0.03 min
 Lab File: BF080213.D
 Acq: 29 Jun 2015 18:35

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-STOCKPILE-TMSD

Tgt Ion:127 Resp: 47900
 Ion Ratio Lower Upper
 127 100
 129 33.8 25.8 38.6
 65 38.9 17.9 26.9#
 92 23.2 10.5 15.7#

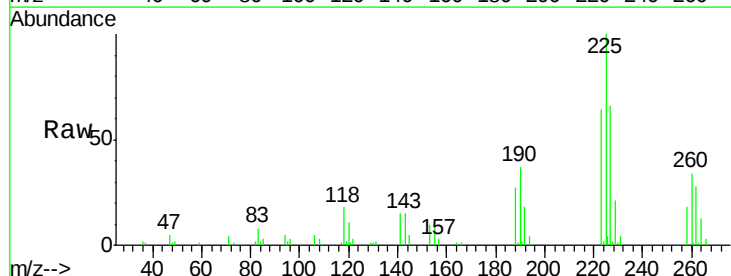


Abundance Ion 127.00 (126.70 to 127.70): E
 Ion 129.00 (128.70 to 129.70): E
 Ion 65.00 (64.70 to 65.70): BF0
 Ion 92.00 (91.70 to 92.70): BF0

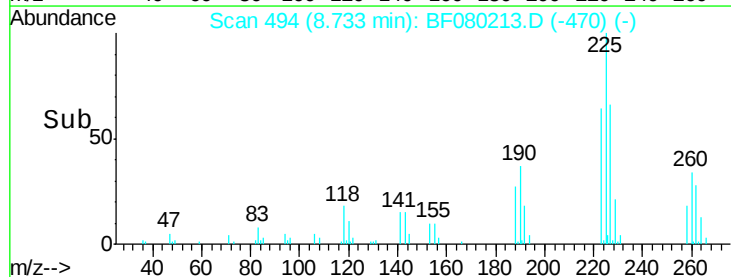
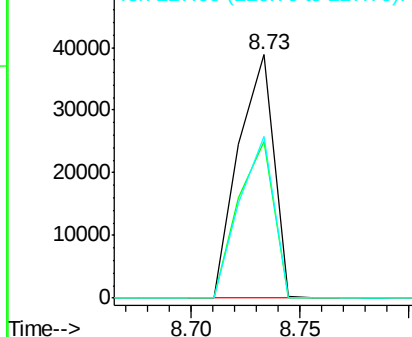


#34
 Hexachlorobutadiene
 Concen: 38.94 ng
 RT: 8.73 min Scan# 494
 Delta R.T. -0.02 min
 Lab File: BF080213.D
 Acq: 29 Jun 2015 18:35

Tgt Ion:225 Resp: 43702
 Ion Ratio Lower Upper
 225 100
 223 64.1 50.2 75.2
 227 66.2 52.2 78.2



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

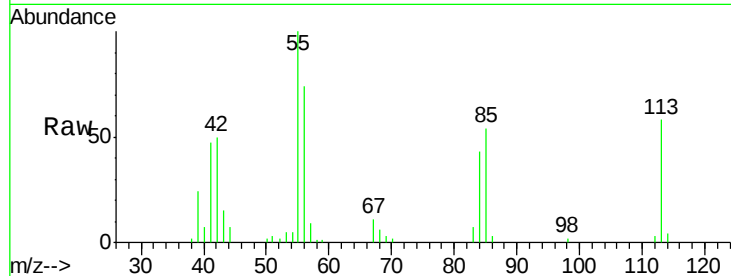




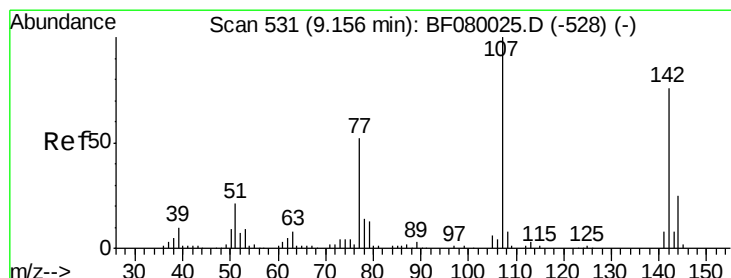
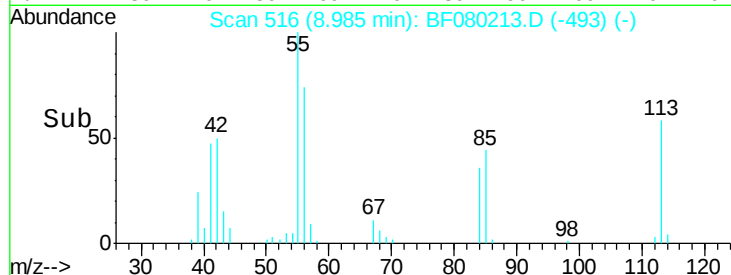
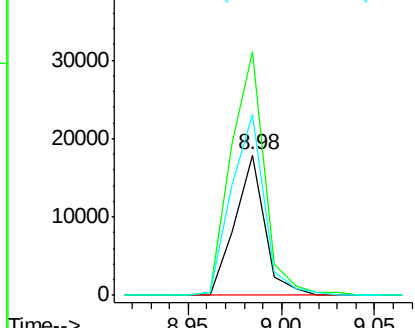
#35
 Caprolactam
 Concen: 38.42 ng
 RT: 8.98 min Scan# 516
 Delta R.T. -0.03 min
 Lab File: BF080213.D
 Acq: 29 Jun 2015 18:35

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-STOCKPILE-TMSD

Tgt Ion:113 Resp: 20012
 Ion Ratio Lower Upper
 113 100
 55 173.6 152.4 192.4
 56 129.0 104.6 144.6

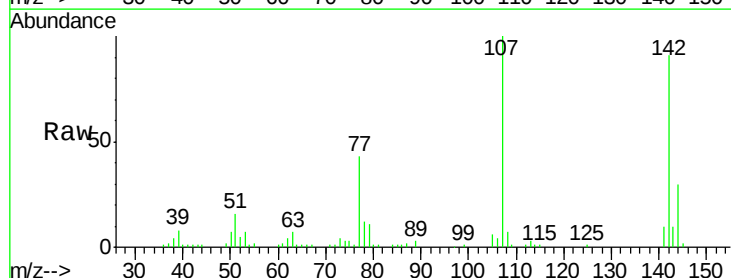


Abundance Ion 113.00 (112.70 to 113.70): E
 Ion 55.00 (54.70 to 55.70): BF0
 Ion 56.00 (55.70 to 56.70): BF0

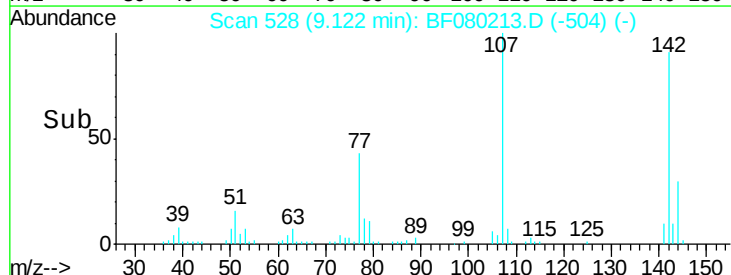
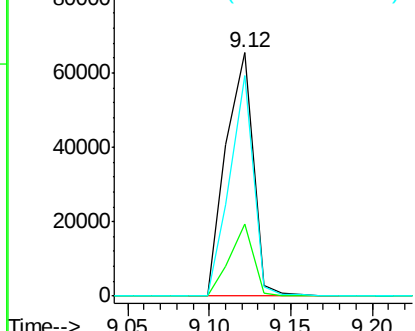


#36
 4-Chloro-3-methylphenol
 Concen: 41.74 ng
 RT: 9.12 min Scan# 528
 Delta R.T. -0.02 min
 Lab File: BF080213.D
 Acq: 29 Jun 2015 18:35

Tgt Ion:107 Resp: 75556
 Ion Ratio Lower Upper
 107 100
 144 29.8 25.4 38.0
 142 90.6 77.3 115.9



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

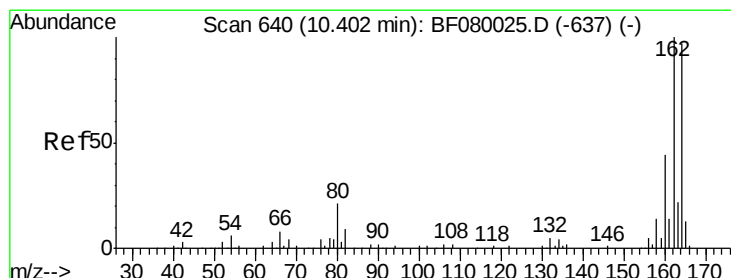
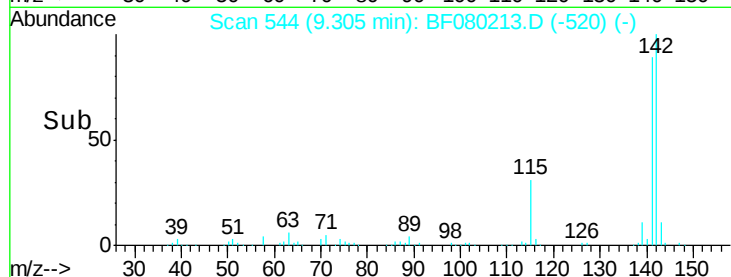
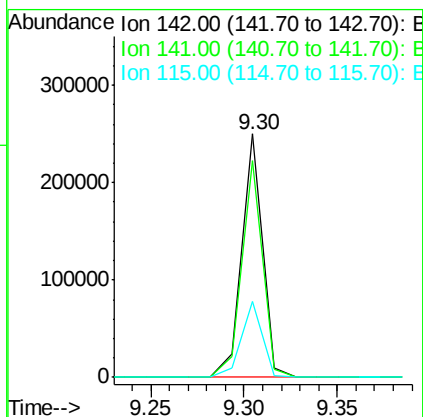
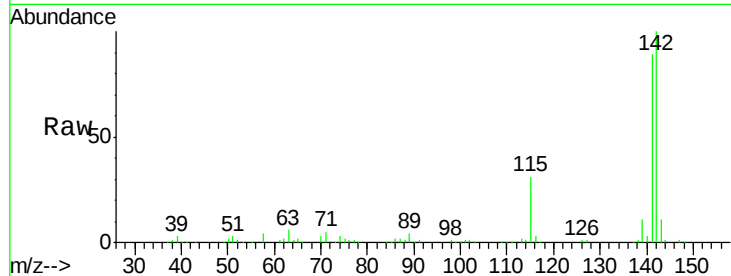




#37
2-Methylnaphthalene
Concen: 47.61 ng
RT: 9.30 min Scan# 544
Delta R.T. -0.02 min
Lab File: BF080213.D
Acq: 29 Jun 2015 18:35

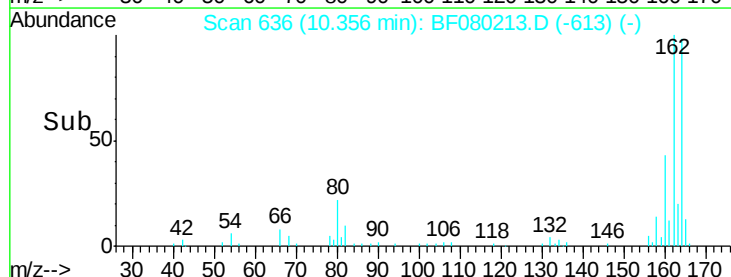
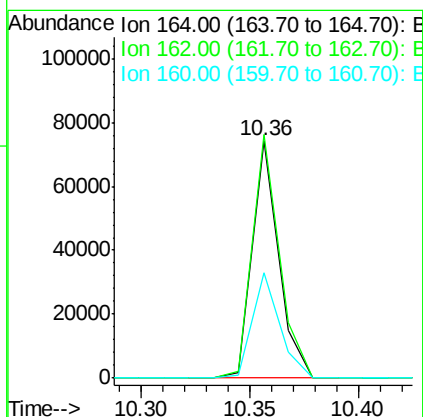
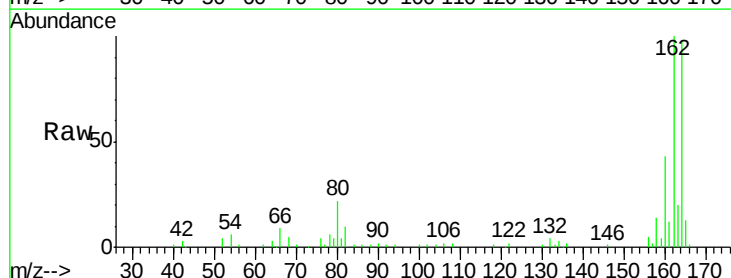
Instrument :
BNA_F
ClientSampleId :
SOIL-STOCKPILE-TMSD

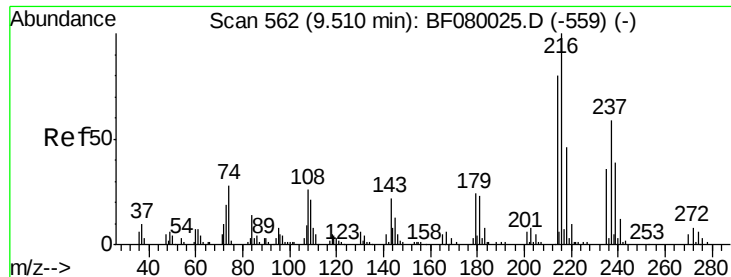
Tgt Ion:142 Resp: 195021
Ion Ratio Lower Upper
142 100
141 89.1 67.5 101.3
115 31.3 18.2 27.2#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.36 min Scan# 636
Delta R.T. -0.03 min
Lab File: BF080213.D
Acq: 29 Jun 2015 18:35

Tgt Ion:164 Resp: 62485
Ion Ratio Lower Upper
164 100
162 102.4 75.2 112.8
160 44.2 31.5 47.3

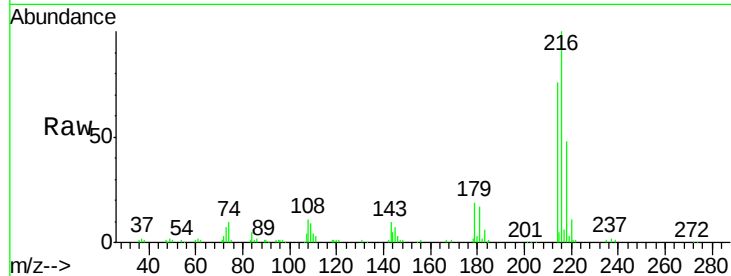




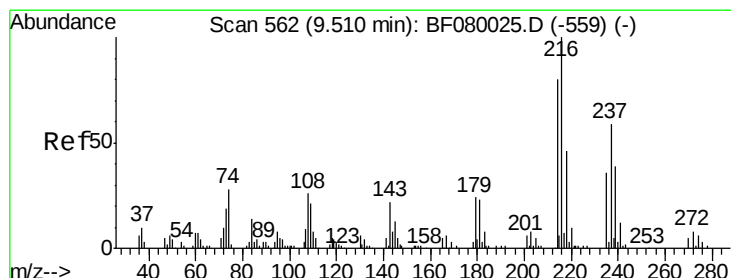
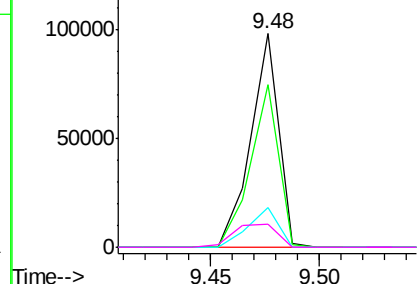
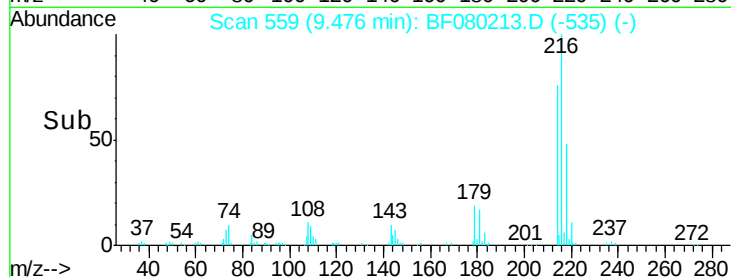
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 47.65 ng
 RT: 9.48 min Scan# 559
 Delta R.T. -0.02 min
 Lab File: BF080213.D
 Acq: 29 Jun 2015 18:35

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-STOCKPILE-TMSD

Tgt Ion:216 Resp: 86644
 Ion Ratio Lower Upper
 216 100
 214 77.5 63.5 95.3
 179 20.1 16.6 24.8
 108 17.4 16.3 24.5

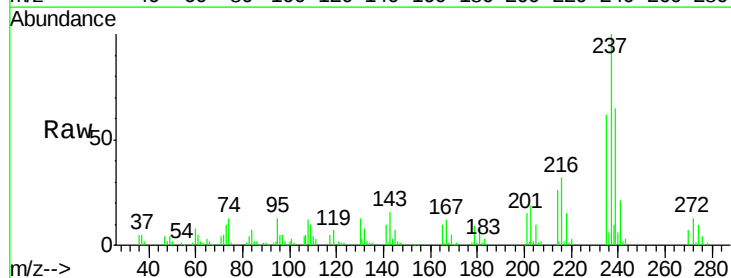


Abundance Ion 216.00 (215.70 to 216.70): E
 Ion 214.00 (213.70 to 214.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 108.00 (107.70 to 108.70): E

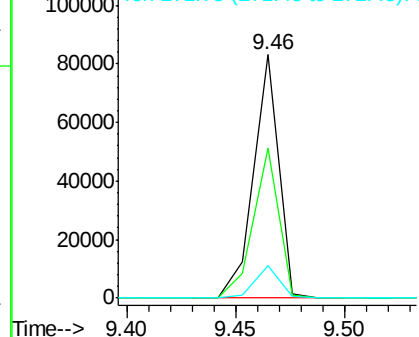
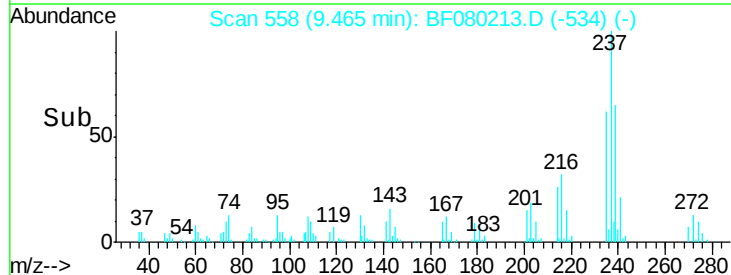


#40
 Hexachlorocyclopentadiene
 Concen: 71.75 ng
 RT: 9.46 min Scan# 558
 Delta R.T. -0.02 min
 Lab File: BF080213.D
 Acq: 29 Jun 2015 18:35

Tgt Ion:237 Resp: 66486
 Ion Ratio Lower Upper
 237 100
 235 61.8 42.0 82.0
 272 13.2 0.0 36.1



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

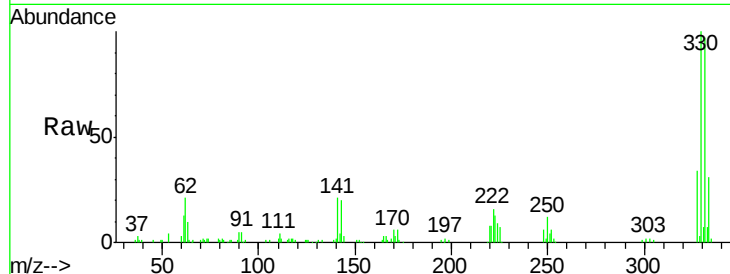




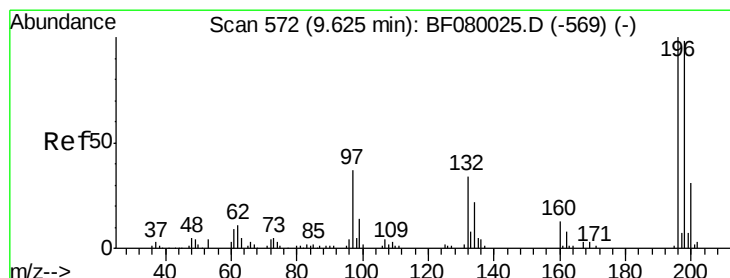
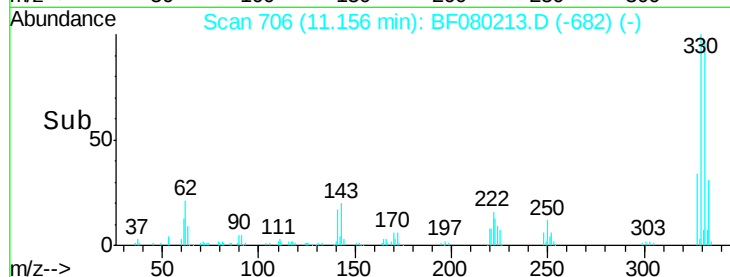
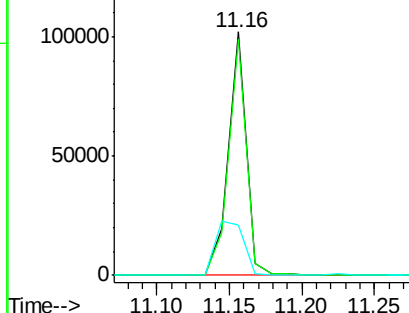
#41
 2,4,6-Tribromophenol
 Concen: 143.46 ng
 RT: 11.16 min Scan# 706
 Delta R.T. -0.02 min
 Lab File: BF080213.D
 Acq: 29 Jun 2015 18:35

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-STOCKPILE-TMSD

Tgt Ion:330 Resp: 87657
 Ion Ratio Lower Upper
 330 100
 332 96.0 76.6 114.8
 141 34.8 29.7 44.5

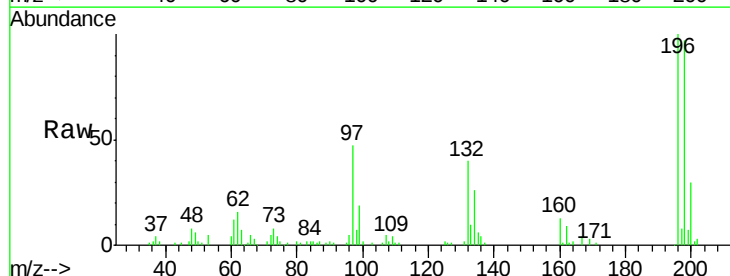


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

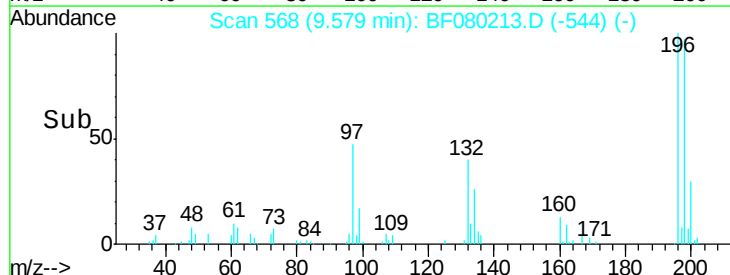
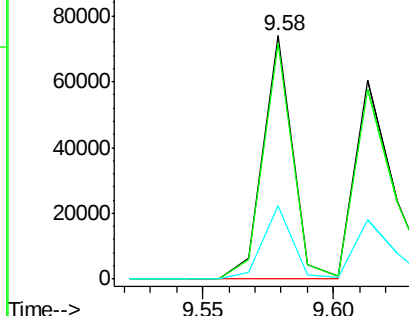


#42
 2,4,6-Trichlorophenol
 Concen: 47.66 ng
 RT: 9.58 min Scan# 568
 Delta R.T. -0.02 min
 Lab File: BF080213.D
 Acq: 29 Jun 2015 18:35

Tgt Ion:196 Resp: 58969
 Ion Ratio Lower Upper
 196 100
 198 97.0 75.7 113.5
 200 30.3 23.9 35.9



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

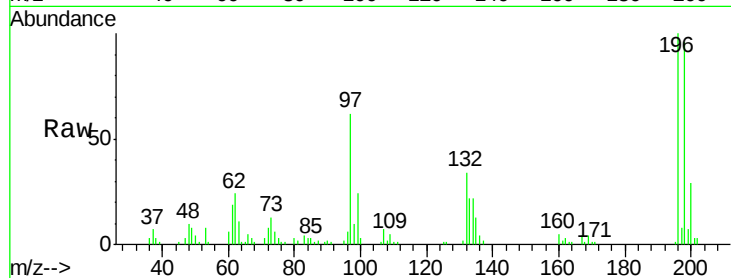




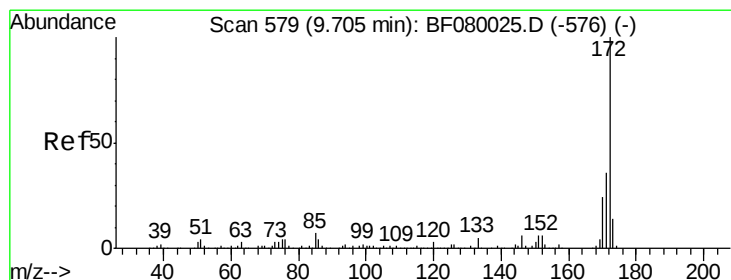
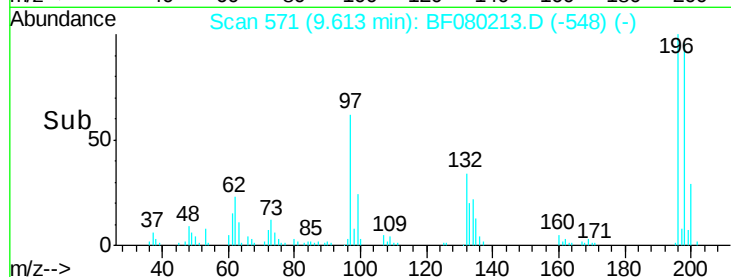
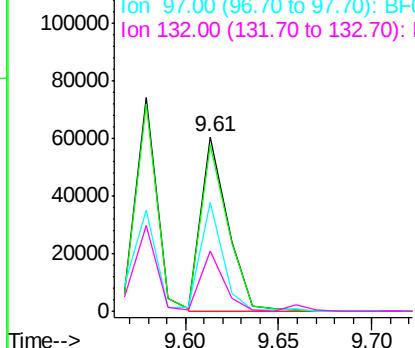
#43
 2,4,5-Trichlorophenol
 Concen: 42.05 ng
 RT: 9.61 min Scan# 571
 Delta R.T. -0.03 min
 Lab File: BF080213.D
 Acq: 29 Jun 2015 18:35

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-STOCKPILE-TMSD

Tgt Ion:196 Resp: 59945
 Ion Ratio Lower Upper
 196 100
 198 95.6 75.4 113.0
 97 62.5 33.3 49.9#
 132 34.5 24.6 37.0

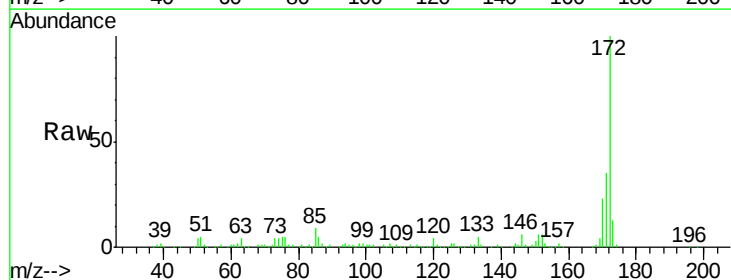


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF0
 Ion 132.00 (131.70 to 132.70): E

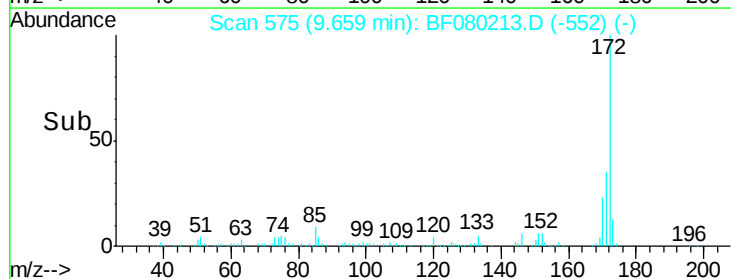
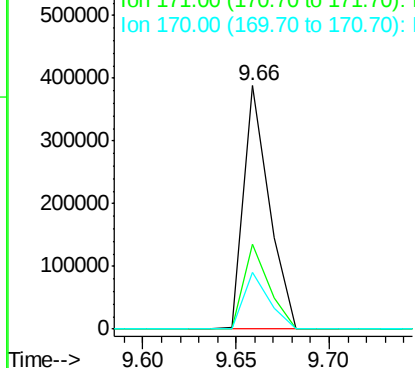


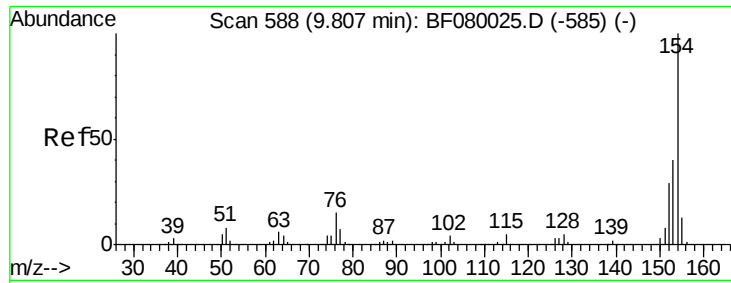
#44
 2-Fluorobiphenyl
 Concen: 84.12 ng
 RT: 9.66 min Scan# 575
 Delta R.T. -0.03 min
 Lab File: BF080213.D
 Acq: 29 Jun 2015 18:35

Tgt Ion:172 Resp: 368556
 Ion Ratio Lower Upper
 172 100
 171 35.1 26.1 39.1
 170 23.2 17.4 26.2



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

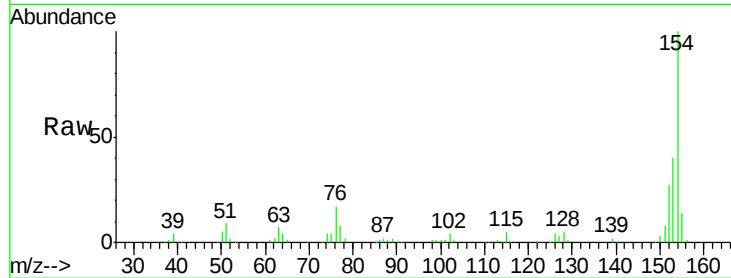




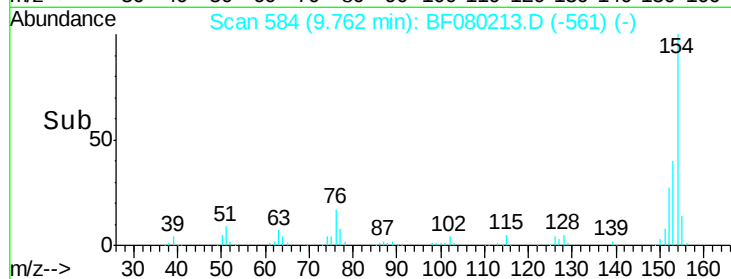
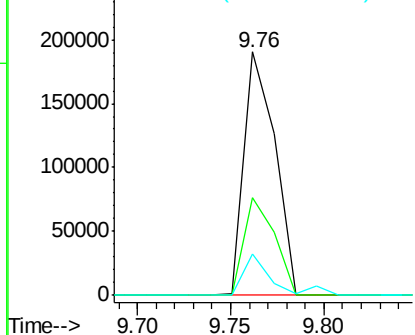
#45
 1,1'-Biphenyl
 Concen: 42.98 ng
 RT: 9.76 min Scan# 584
 Delta R.T. -0.03 min
 Lab File: BF080213.D
 Acq: 29 Jun 2015 18:35

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-STOCKPILE-TMSD

Tgt Ion	Ratio	Lower	Upper
154	100		
153	40.2	17.1	57.1
76	17.2	0.0	31.6

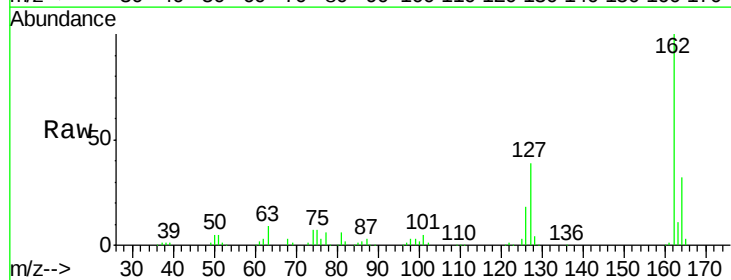


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF0

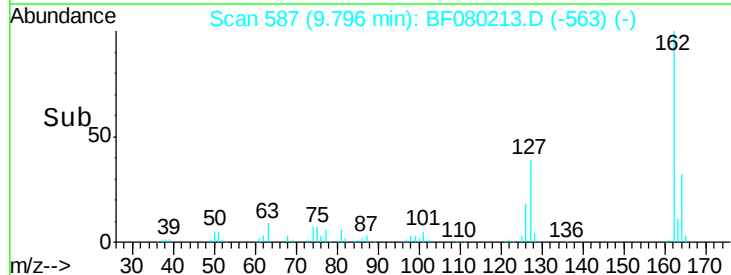
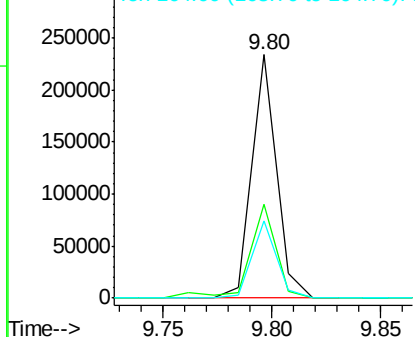


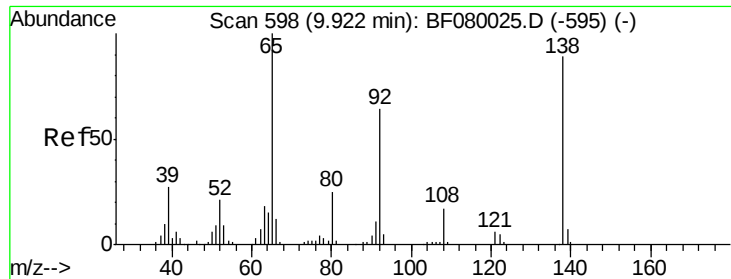
#46
 2-Chloronaphthalene
 Concen: 44.54 ng
 RT: 9.80 min Scan# 587
 Delta R.T. -0.02 min
 Lab File: BF080213.D
 Acq: 29 Jun 2015 18:35

Tgt Ion	Ratio	Lower	Upper
162	100		
127	38.7	27.6	41.4
164	31.6	25.4	38.2



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

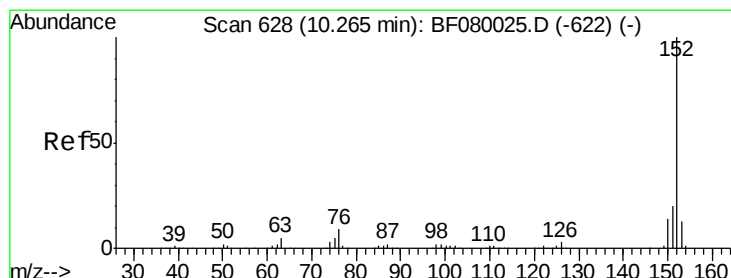
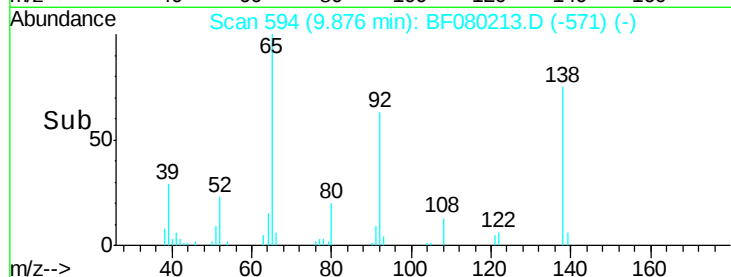
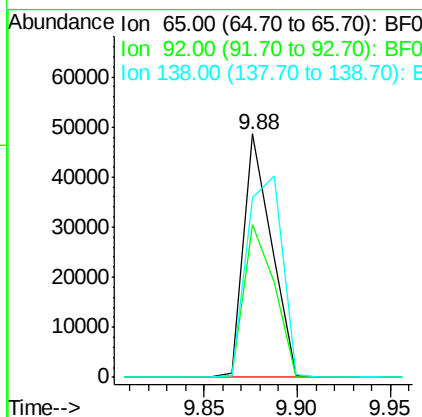
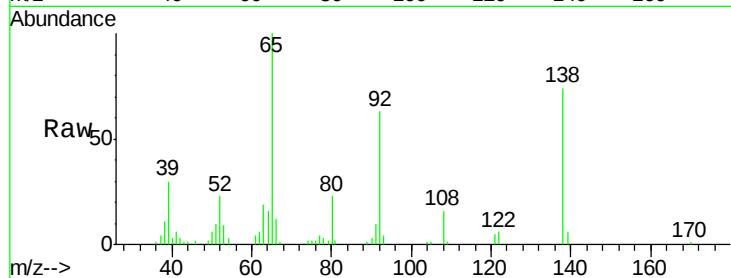




#47
2-Nitroaniline
Concen: 44.62 ng
RT: 9.88 min Scan# 594
Delta R.T. -0.03 min
Lab File: BF080213.D
Acq: 29 Jun 2015 18:35

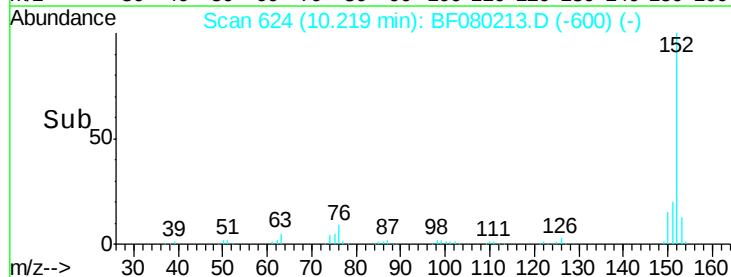
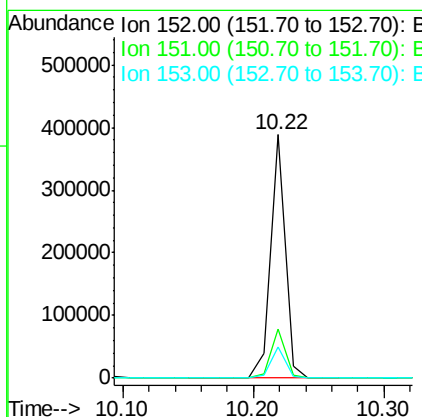
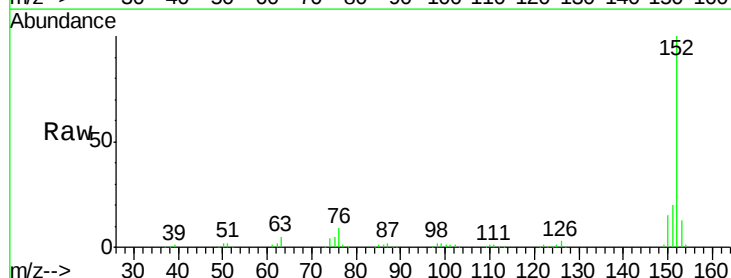
Instrument :
BNA_F
ClientSampleId :
SOIL-STOCKPILE-TMSD

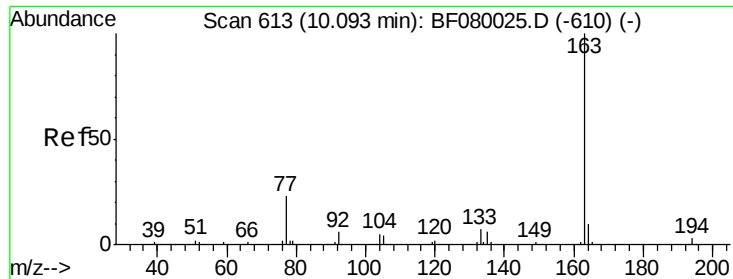
Tgt Ion: 65 Resp: 50524
Ion Ratio Lower Upper
65 100
92 62.7 55.4 83.0
138 73.8 115.5 173.3#



#48
Acenaphthylene
Concen: 44.76 ng
RT: 10.22 min Scan# 624
Delta R.T. -0.02 min
Lab File: BF080213.D
Acq: 29 Jun 2015 18:35

Tgt Ion: 152 Resp: 308203
Ion Ratio Lower Upper
152 100
151 20.0 14.6 22.0
153 13.0 10.3 15.5

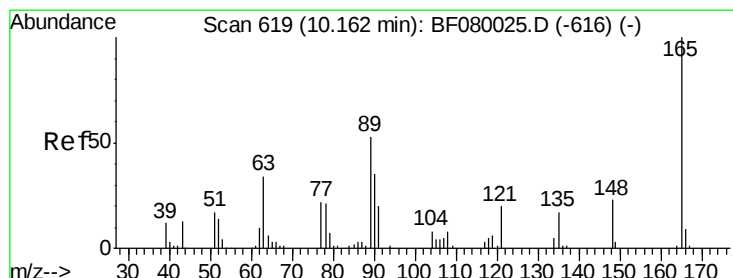
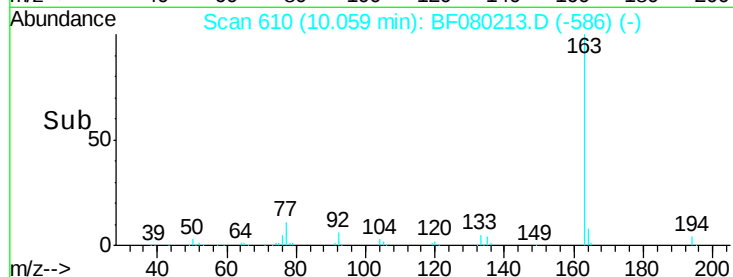
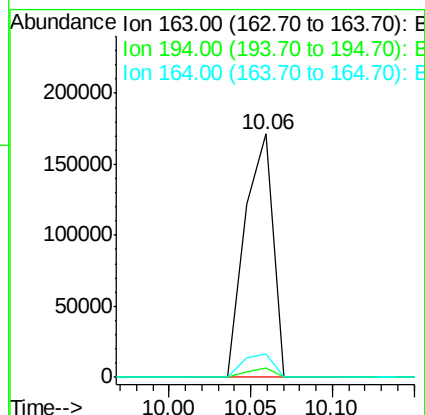
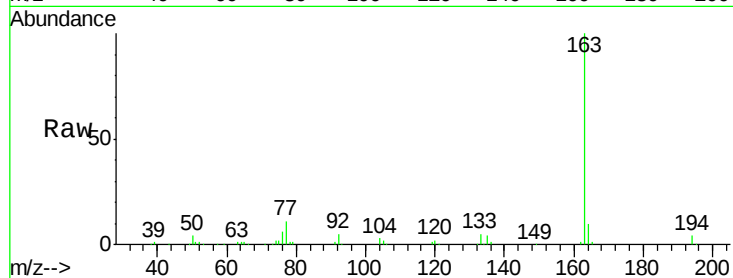




#49
Dimethylphthalate
Concen: 43.07 ng
RT: 10.06 min Scan# 610
Delta R.T. -0.02 min
Lab File: BF080213.D
Acq: 29 Jun 2015 18:35

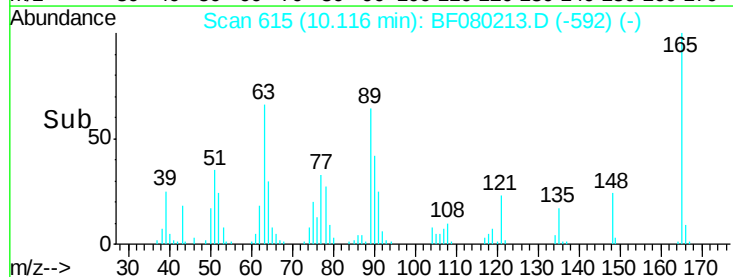
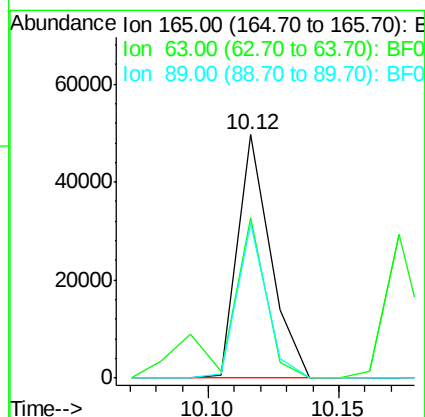
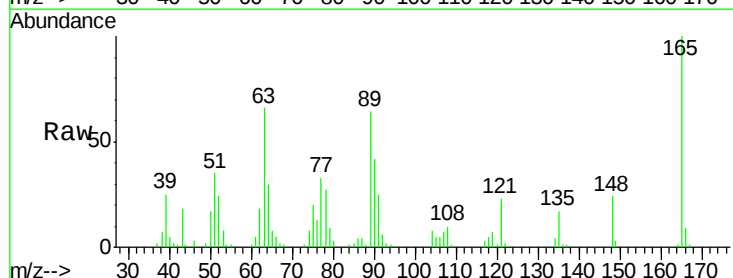
Instrument :
BNA_F
ClientSampleId :
SOIL-STOCKPILE-TMSD

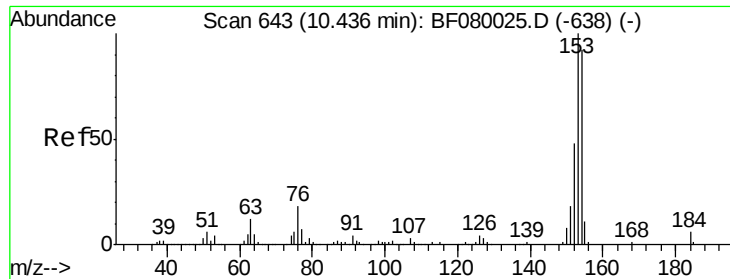
Tgt Ion:163 Resp: 202320
Ion Ratio Lower Upper
163 100
194 3.9 4.4 6.6#
164 9.5 8.3 12.5



#50
2,6-Dinitrotoluene
Concen: 46.76 ng
RT: 10.12 min Scan# 615
Delta R.T. -0.03 min
Lab File: BF080213.D
Acq: 29 Jun 2015 18:35

Tgt Ion:165 Resp: 44035
Ion Ratio Lower Upper
165 100
63 65.7 32.3 48.5#
89 63.6 28.6 43.0#





#51

Acenaphthene

Concen: 46.32 ng

RT: 10.39 min Scan# 639

Delta R.T. -0.03 min

Lab File: BF080213.D

Acq: 29 Jun 2015 18:35

Instrument :

BNA_F

ClientSampleId :

SOIL-STOCKPILE-TMSD

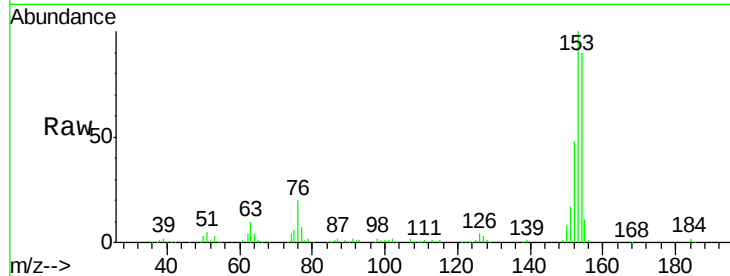
Tgt Ion:154 Resp: 195081

Ion Ratio Lower Upper

154 100

153 111.3 82.1 123.1

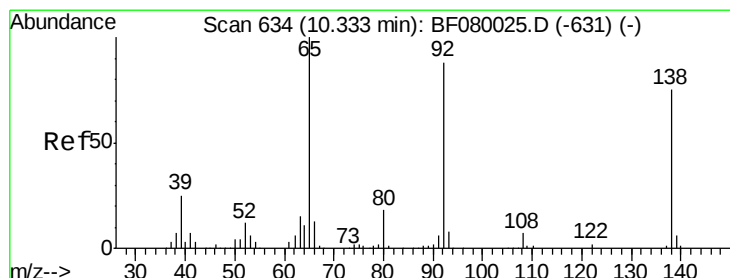
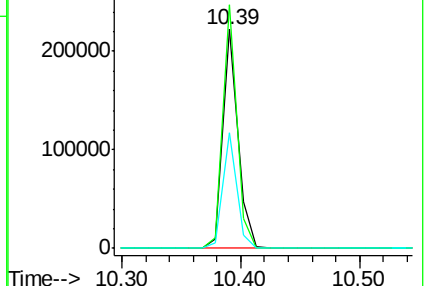
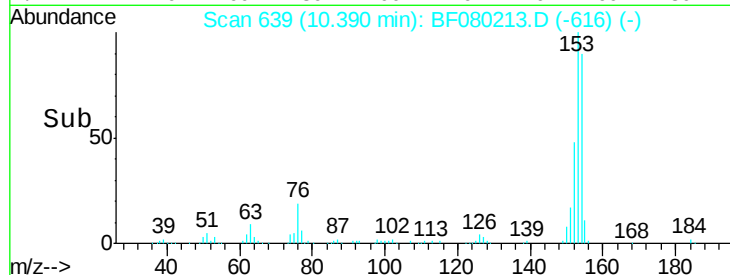
152 52.9 37.9 56.9



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 32.53 ng

RT: 10.29 min Scan# 630

Delta R.T. -0.03 min

Lab File: BF080213.D

Acq: 29 Jun 2015 18:35

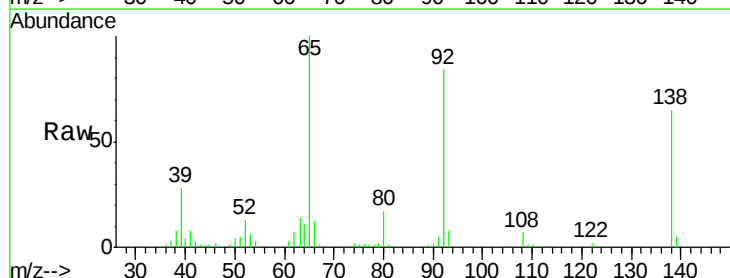
Tgt Ion:138 Resp: 35342

Ion Ratio Lower Upper

138 100

108 10.9 5.7 8.5#

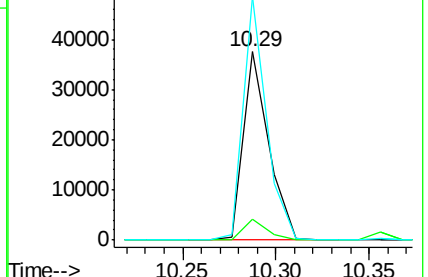
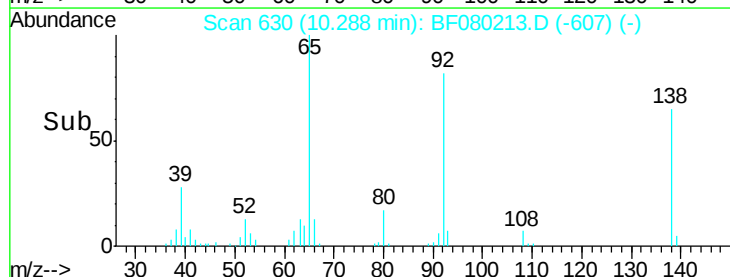
92 129.2 67.7 101.5#

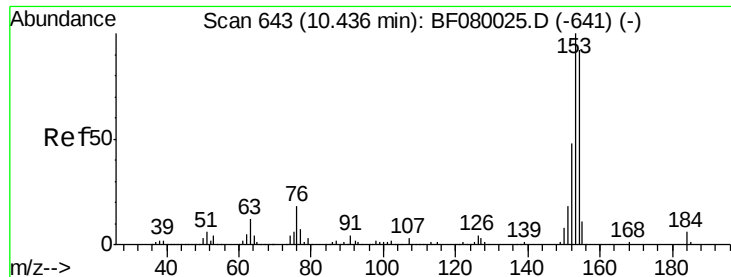


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

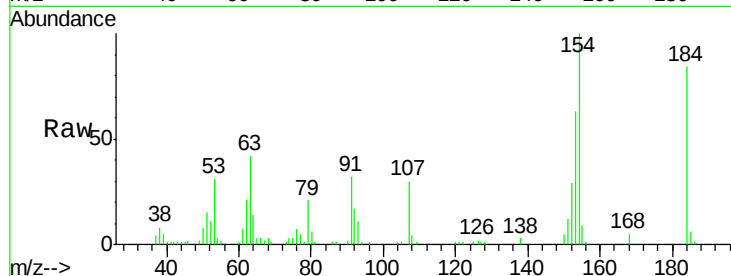




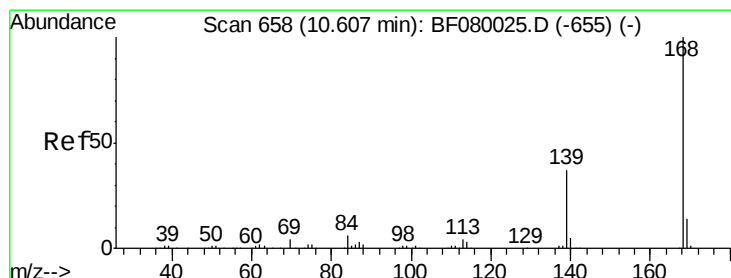
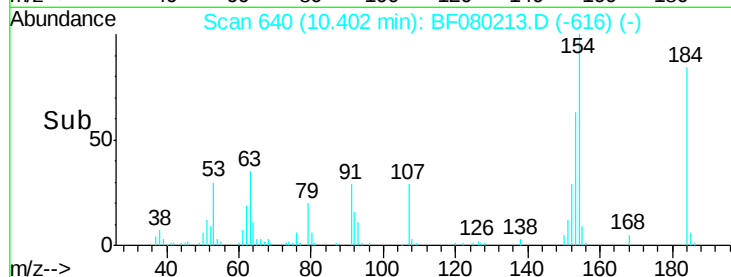
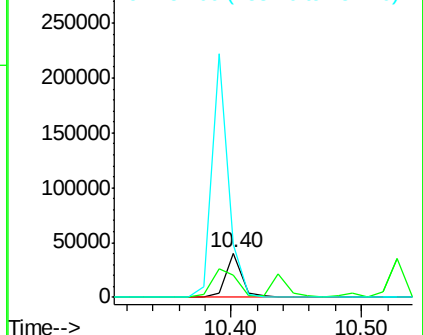
#53
2,4-Dinitrophenol
Concen: 92.25 ng
RT: 10.40 min Scan# 640
Delta R.T. -0.02 min
Lab File: BF080213.D
Acq: 29 Jun 2015 18:35

Instrument :
BNA_F
ClientSampleId :
SOIL-STOCKPILE-TMSD

Tgt Ion:184 Resp: 35730
Ion Ratio Lower Upper
184 100
63 49.5 35.4 53.2
154 118.5 32.2 48.4#

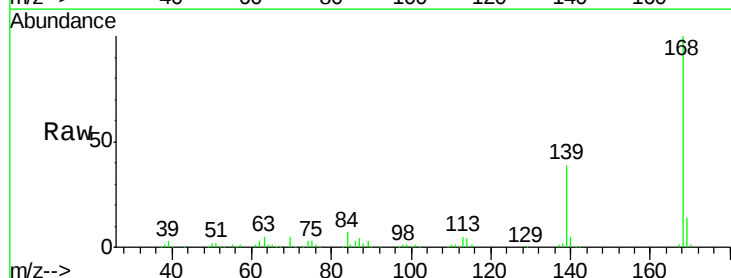


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 154.00 (153.70 to 154.70): E

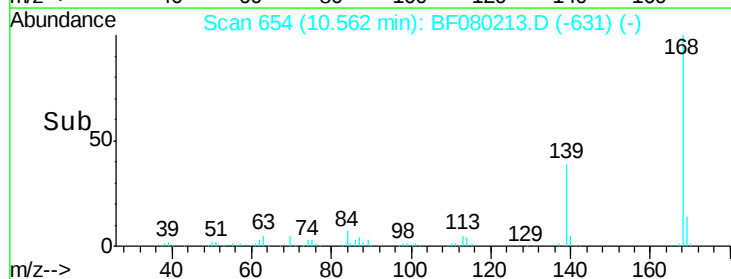
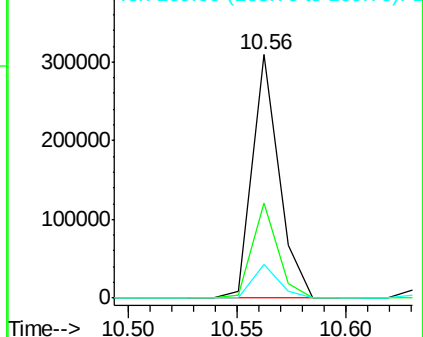


#54
Dibenzofuran
Concen: 44.12 ng
RT: 10.56 min Scan# 654
Delta R.T. -0.03 min
Lab File: BF080213.D
Acq: 29 Jun 2015 18:35

Tgt Ion:168 Resp: 263660
Ion Ratio Lower Upper
168 100
139 39.3 24.2 36.2#
169 13.9 10.6 15.8



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





#55

4-Nitrophenol

Concen: 77.12 ng

RT: 10.44 min Scan# 643

Delta R.T. -0.02 min

Lab File: BF080213.D

Acq: 29 Jun 2015 18:35

Instrument :

BNA_F

ClientSampleId :

SOIL-STOCKPILE-TMSD

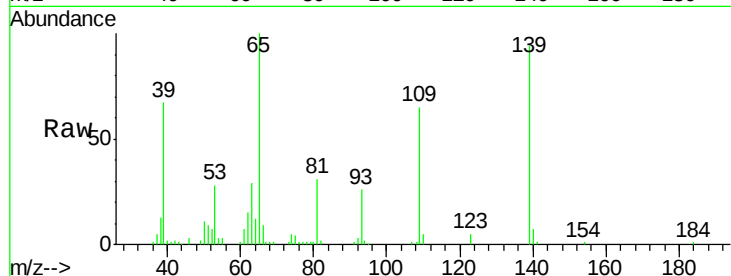
Tgt Ion:139 Resp: 66977

Ion Ratio Lower Upper

139 100

109 69.7 12.7 52.7#

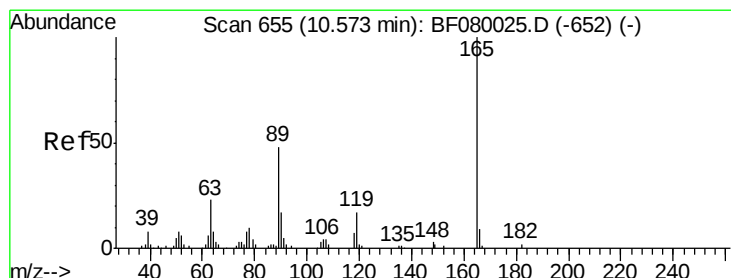
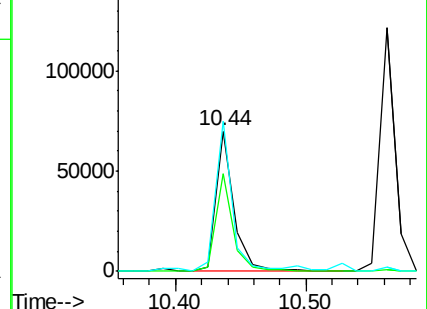
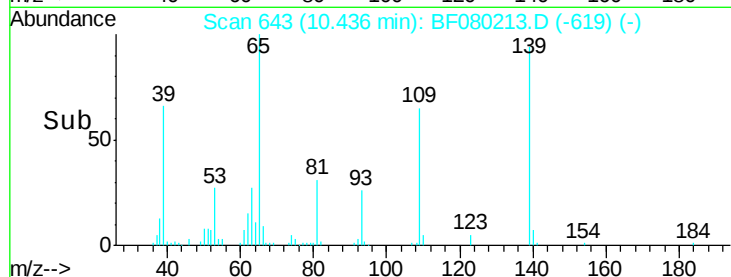
65 106.9 45.9 85.9#



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: 55.37 ng

RT: 10.53 min Scan# 651

Delta R.T. -0.02 min

Lab File: BF080213.D

Acq: 29 Jun 2015 18:35

Tgt Ion:165 Resp: 66168

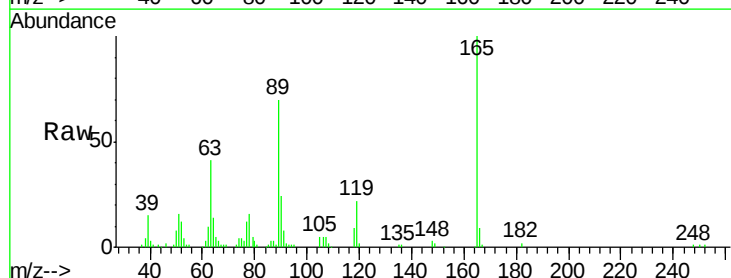
Ion Ratio Lower Upper

165 100

63 41.2 29.8 44.6

89 70.2 44.5 66.7#

182 1.9 3.0 4.4#

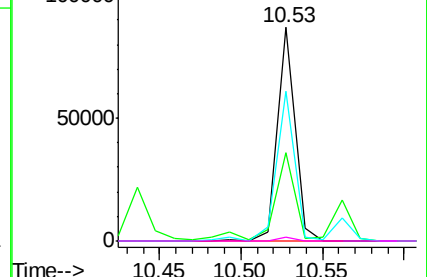
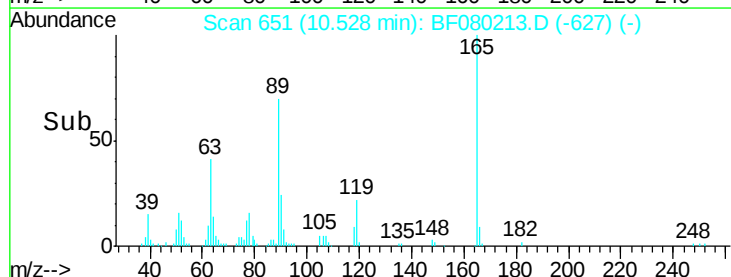


Abundance Ion 165.00 (164.70 to 165.70): E

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

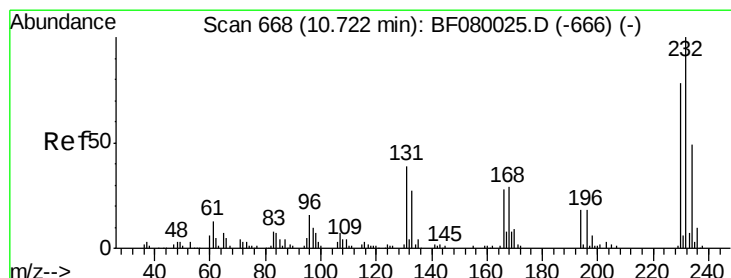
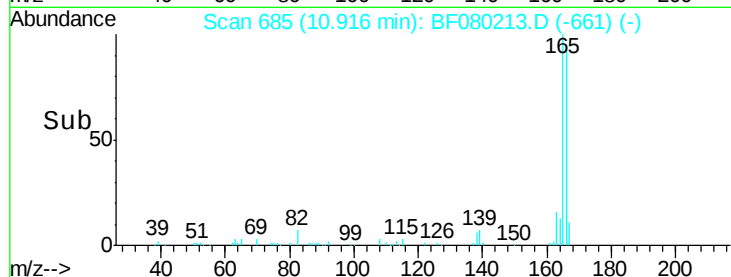
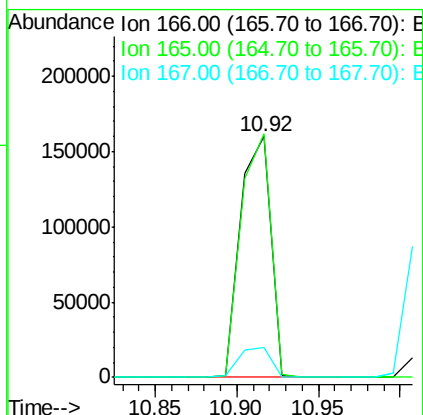
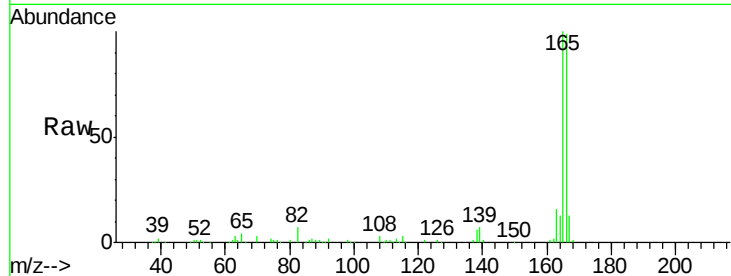




#57
Fluorene
 Concen: 43.14 ng
 RT: 10.92 min Scan# 685
 Delta R.T. -0.02 min
 Lab File: BF080213.D
 Acq: 29 Jun 2015 18:35

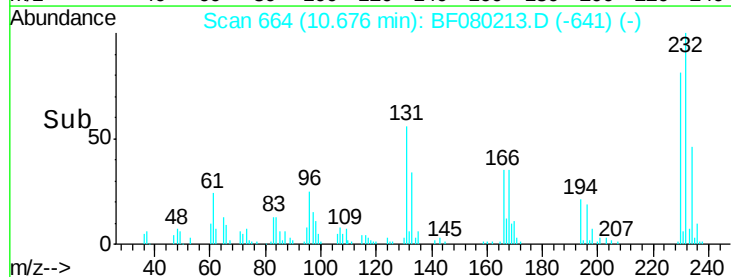
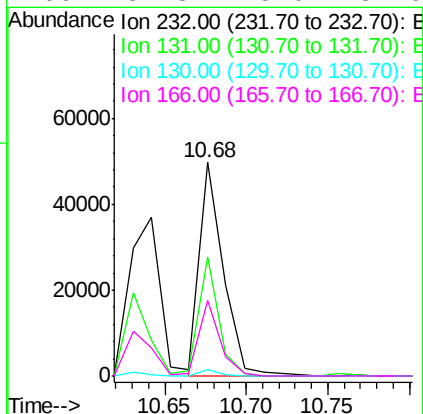
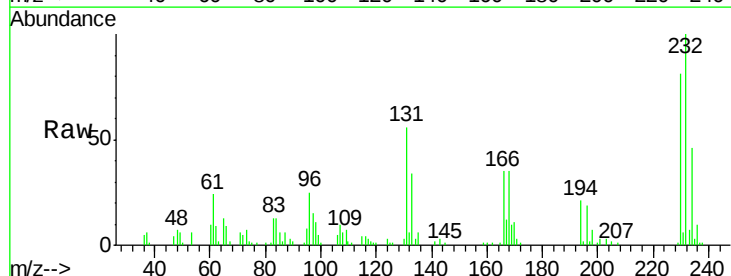
Instrument :
 BNA_F
 ClientSampleId :
 SOIL-STOCKPILE-TMSD

Tgt Ion:166 Resp: 204563
 Ion Ratio Lower Upper
 166 100
 165 101.2 72.6 109.0
 167 12.7 10.6 16.0



#58
2,3,4,6-Tetrachlorophenol
 Concen: 42.45 ng
 RT: 10.68 min Scan# 664
 Delta R.T. -0.03 min
 Lab File: BF080213.D
 Acq: 29 Jun 2015 18:35

Tgt Ion:232 Resp: 51083
 Ion Ratio Lower Upper
 232 100
 131 46.4 38.5 57.7
 130 2.3 1.8 2.6
 166 31.3 25.0 37.6

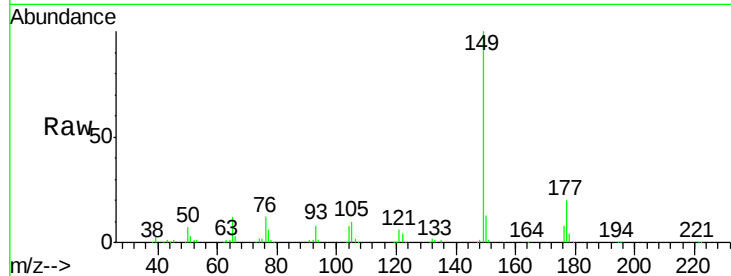




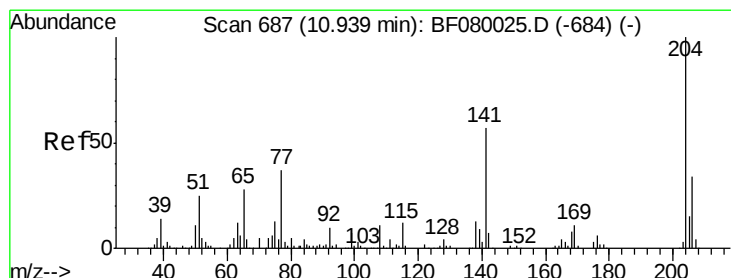
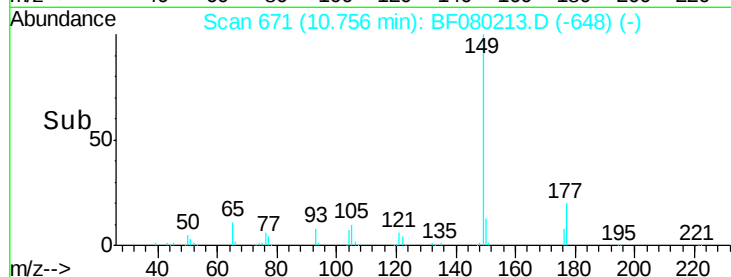
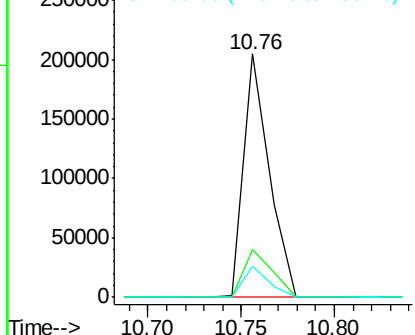
#59
Diethylphthalate
Concen: 41.34 ng
RT: 10.76 min Scan# 671
Delta R.T. -0.03 min
Lab File: BF080213.D
Acq: 29 Jun 2015 18:35

Instrument :
BNA_F
ClientSampleId :
SOIL-STOCKPILE-TMSD

Tgt Ion:149 Resp: 195545
Ion Ratio Lower Upper
149 100
177 19.6 17.5 26.3
150 12.6 9.4 14.2

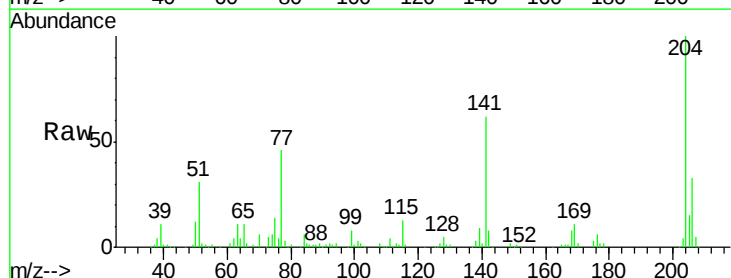


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E

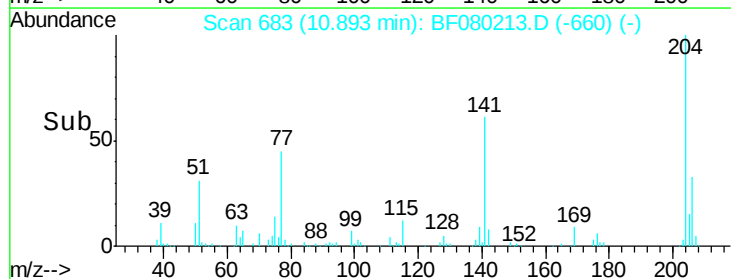
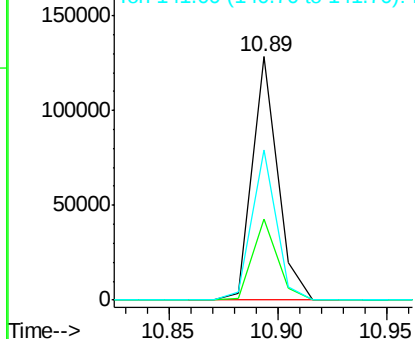


#60
4-Chlorophenyl-phenylether
Concen: 45.61 ng
RT: 10.89 min Scan# 683
Delta R.T. -0.03 min
Lab File: BF080213.D
Acq: 29 Jun 2015 18:35

Tgt Ion:204 Resp: 103949
Ion Ratio Lower Upper
204 100
206 33.2 24.8 37.2
141 61.8 42.2 63.4



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: 43.11 ng

RT: 10.90 min Scan# 684

Delta R.T. -0.02 min

Lab File: BF080213.D

Acq: 29 Jun 2015 18:35

Instrument :

BNA_F

ClientSampleId :

SOIL-STOCKPILE-TMSD

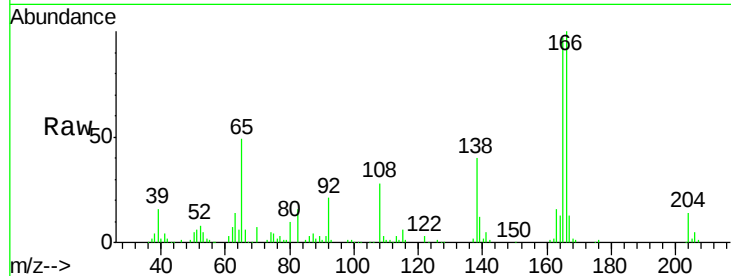
Tgt Ion:138 Resp: 48378

Ion Ratio Lower Upper

138 100

92 52.2 12.6 52.6

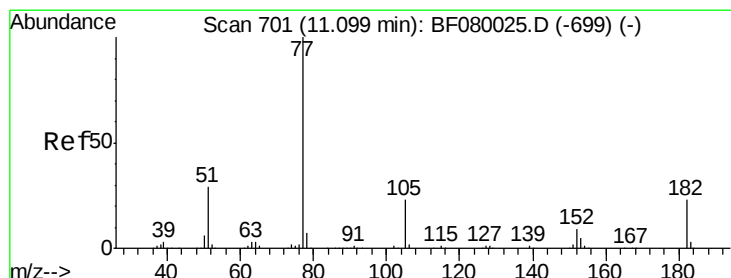
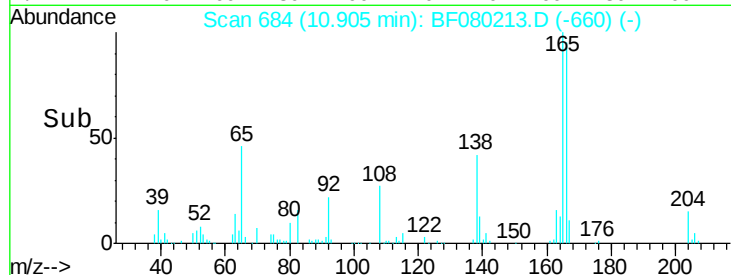
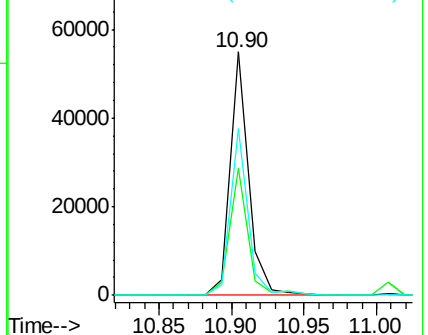
108 68.7 12.4 52.4#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF0

Ion 108.00 (107.70 to 108.70): E



#62

Azobenzene

Concen: 43.11 ng

RT: 11.05 min Scan# 697

Delta R.T. -0.03 min

Lab File: BF080213.D

Acq: 29 Jun 2015 18:35

Tgt Ion: 77 Resp: 207575

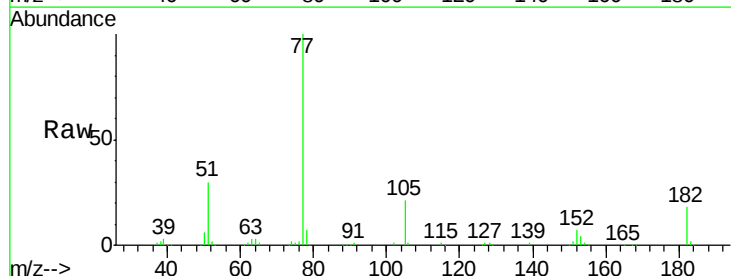
Ion Ratio Lower Upper

77 100

182 18.2 15.1 55.1

105 21.0 3.4 43.4

51 30.1 12.0 52.0

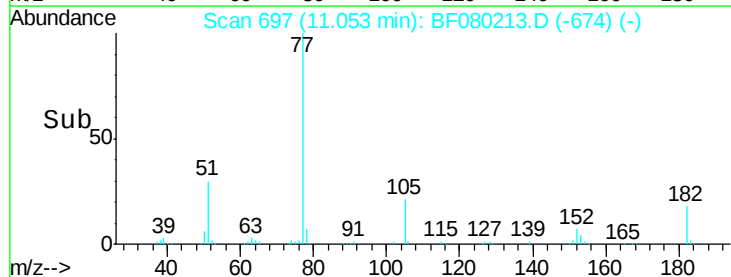
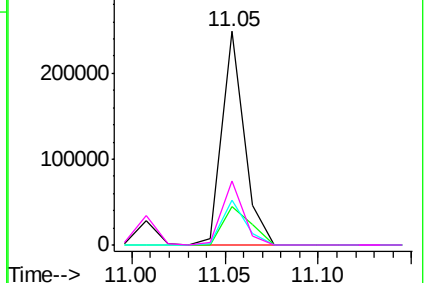


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0

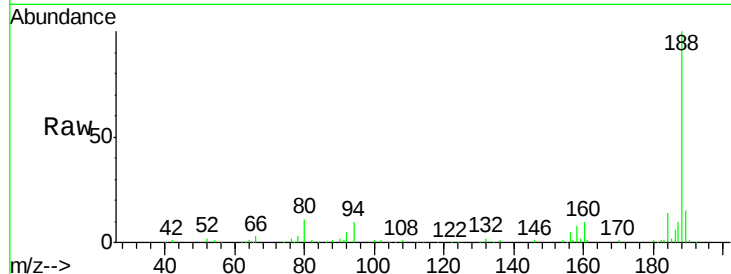




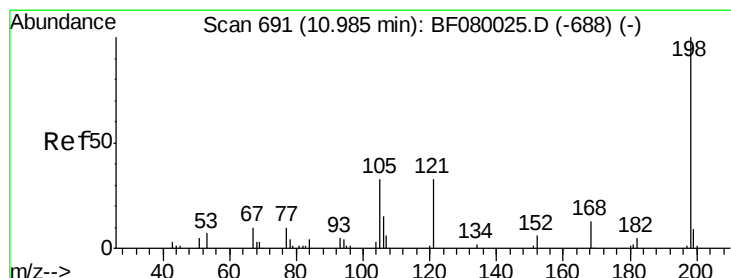
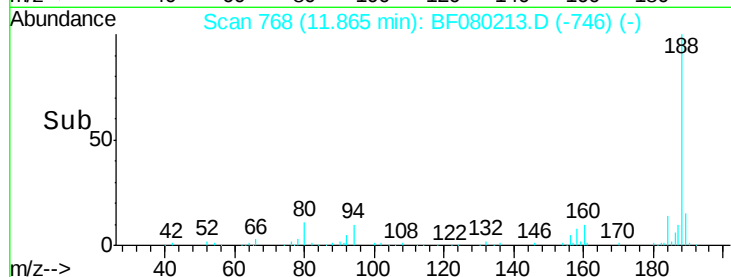
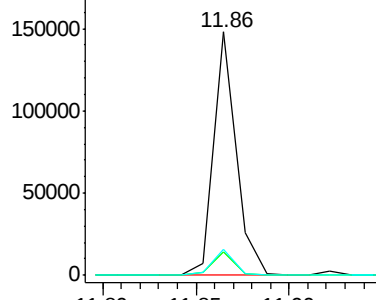
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.86 min Scan# 768
Delta R.T. -0.05 min
Lab File: BF080213.D
Acq: 29 Jun 2015 18:35

Instrument :
BNA_F
ClientSampleId :
SOIL-STOCKPILE-TMSD

Tgt Ion:188 Resp: 125020
Ion Ratio Lower Upper
188 100
94 9.9 11.1 16.7#
80 10.9 11.0 16.4#

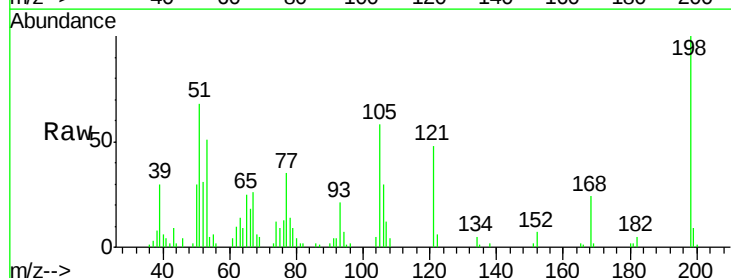


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

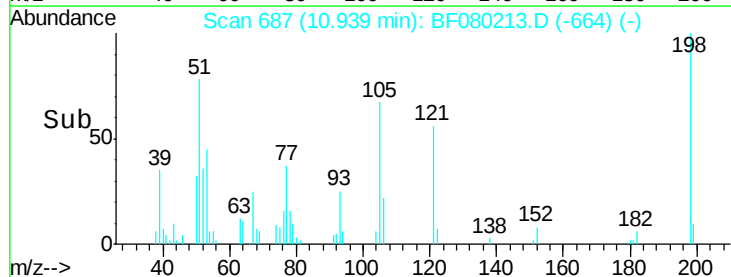
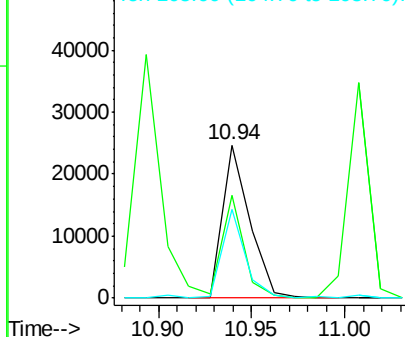


#64
4,6-Dinitro-2-methylphenol
Concen: 41.97 ng
RT: 10.94 min Scan# 687
Delta R.T. -0.03 min
Lab File: BF080213.D
Acq: 29 Jun 2015 18:35

Tgt Ion:198 Resp: 25149
Ion Ratio Lower Upper
198 100
51 67.6 39.6 79.6
105 58.3 28.5 68.5



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

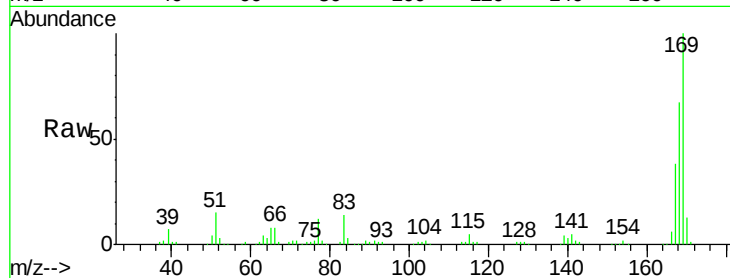




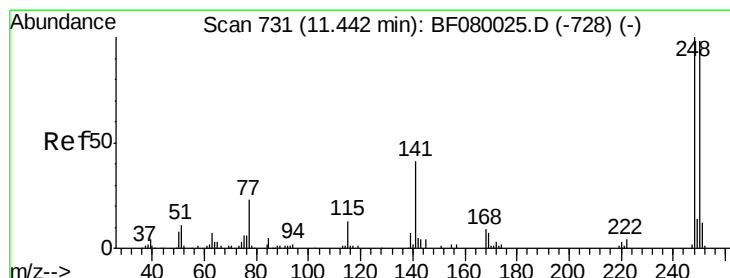
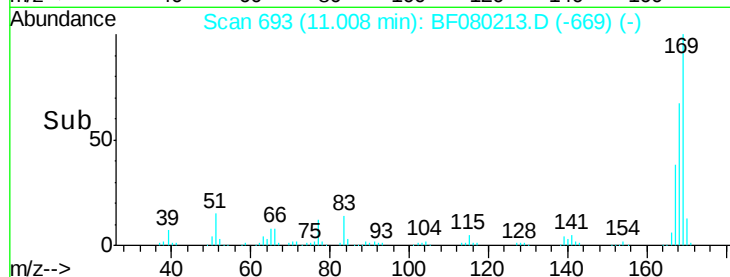
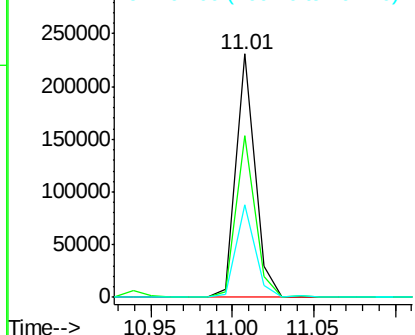
#65
 n-Nitrosodiphenylamine
 Concen: 45.21 ng
 RT: 11.01 min Scan# 693
 Delta R.T. -0.02 min
 Lab File: BF080213.D
 Acq: 29 Jun 2015 18:35

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-STOCKPILE-TMSD

Tgt Ion:169 Resp: 184049
 Ion Ratio Lower Upper
 169 100
 168 66.6 48.9 73.3
 167 37.8 26.2 39.4

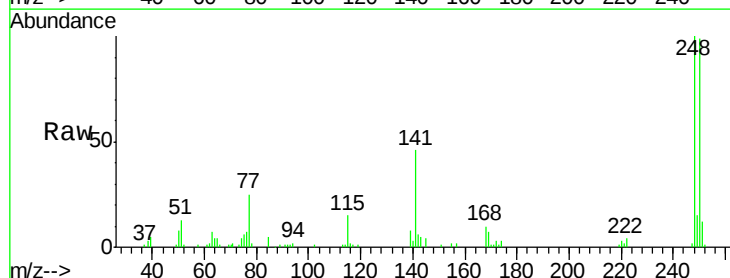


Abundance Ion 169.00 (168.70 to 169.70): E
 Ion 168.00 (167.70 to 168.70): E
 Ion 167.00 (166.70 to 167.70): E

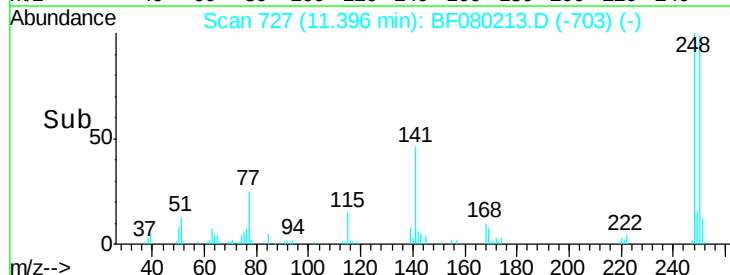
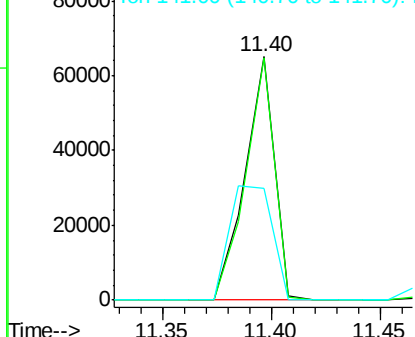


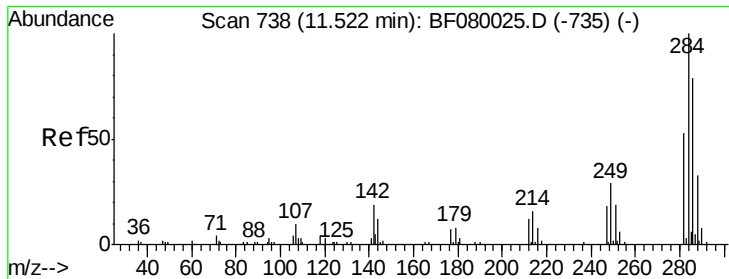
#66
 4-Bromophenyl-phenylether
 Concen: 45.75 ng
 RT: 11.40 min Scan# 727
 Delta R.T. -0.02 min
 Lab File: BF080213.D
 Acq: 29 Jun 2015 18:35

Tgt Ion:248 Resp: 60820
 Ion Ratio Lower Upper
 248 100
 250 99.3 78.5 117.7
 141 46.1 59.0 88.6#



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





#67

Hexachlorobenzene

Concen: 45.84 ng

RT: 11.48 min Scan# 734

Delta R.T. -0.03 min

Lab File: BF080213.D

Acq: 29 Jun 2015 18:35

Instrument :

BNA_F

ClientSampleId :

SOIL-STOCKPILE-TMSD

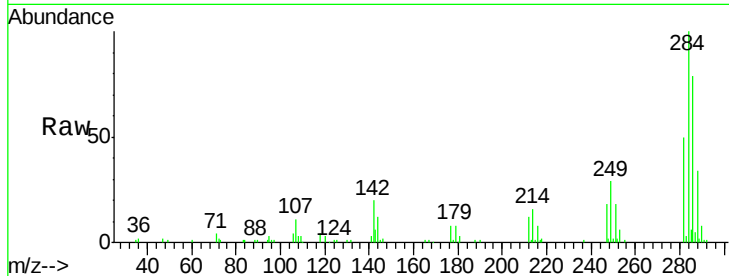
Tgt Ion:284 Resp: 67725

Ion Ratio Lower Upper

284 100

142 20.1 29.5 44.3#

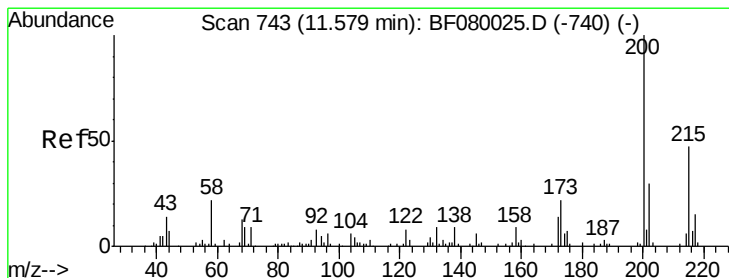
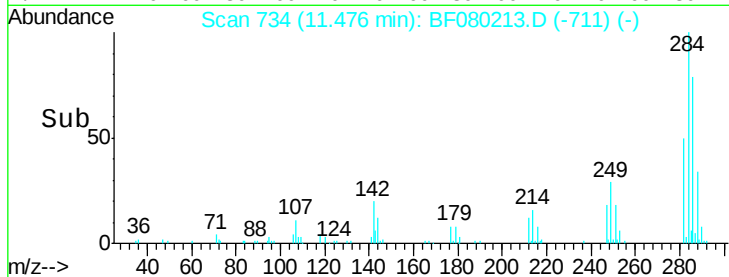
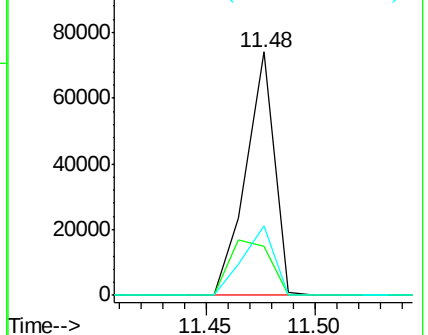
249 28.5 19.5 29.3



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: 44.11 ng

RT: 11.53 min Scan# 739

Delta R.T. -0.03 min

Lab File: BF080213.D

Acq: 29 Jun 2015 18:35

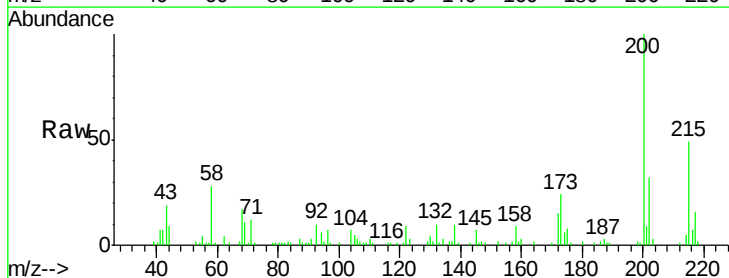
Tgt Ion:200 Resp: 56732

Ion Ratio Lower Upper

200 100

173 24.4 13.2 53.2

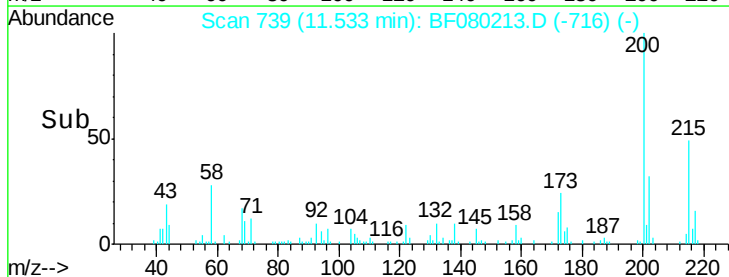
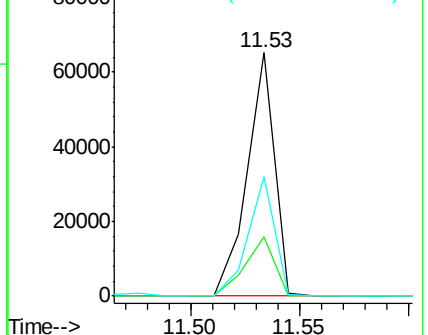
215 49.1 41.8 81.8

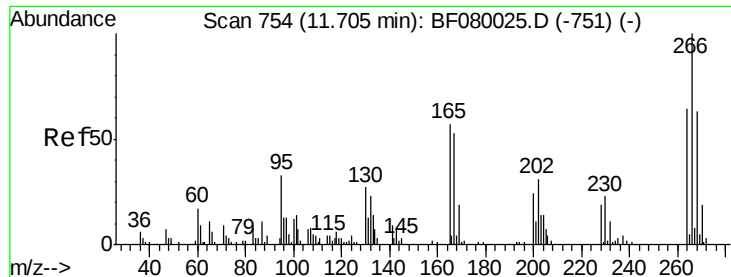


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E

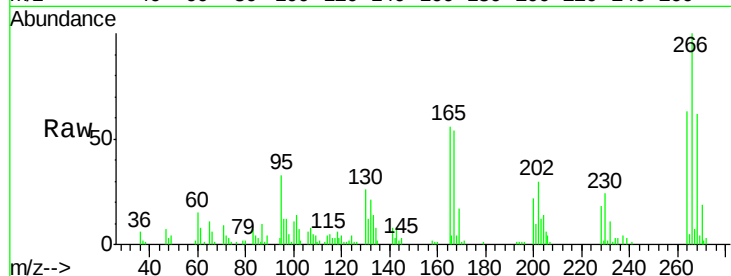




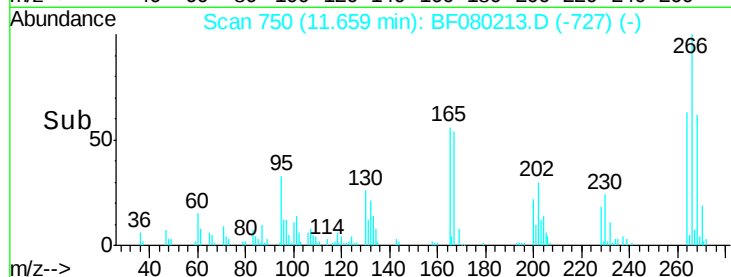
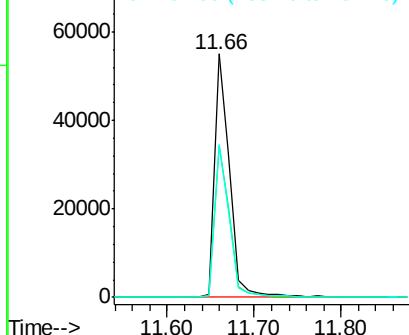
#69
 Pentachlorophenol
 Concen: 79.81 ng
 RT: 11.66 min Scan# 750
 Delta R.T. -0.03 min
 Lab File: BF080213.D
 Acq: 29 Jun 2015 18:35

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-STOCKPILE-TMSD

Tgt Ion:266 Resp: 66817
 Ion Ratio Lower Upper
 266 100
 268 62.1 49.8 74.6
 264 62.7 50.2 75.2

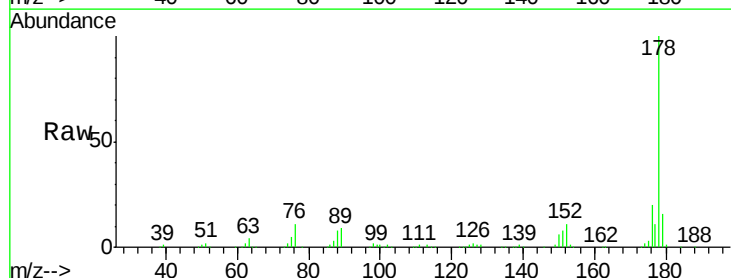


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

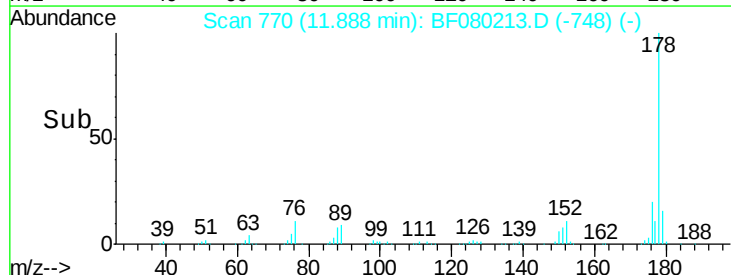
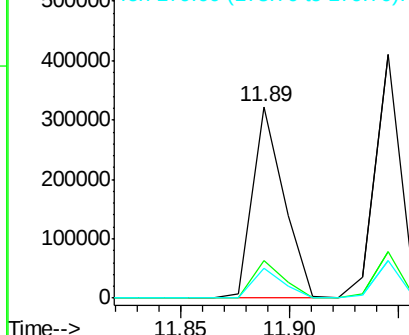


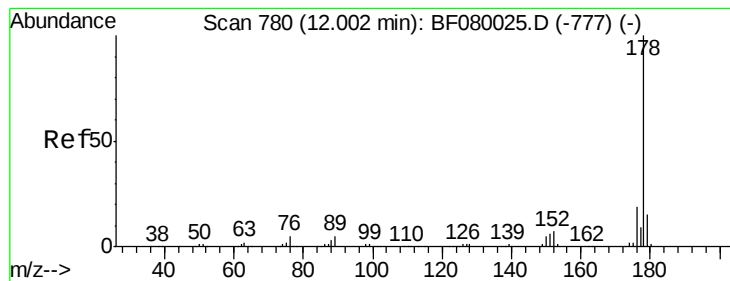
#70
 Phenanthrene
 Concen: 42.66 ng
 RT: 11.89 min Scan# 770
 Delta R.T. -0.05 min
 Lab File: BF080213.D
 Acq: 29 Jun 2015 18:35

Tgt Ion:178 Resp: 322856
 Ion Ratio Lower Upper
 178 100
 176 19.8 13.8 20.8
 179 15.6 12.2 18.2



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: 46.45 ng

RT: 11.94 min Scan# 775

Delta R.T. -0.05 min

Lab File: BF080213.D

Acq: 29 Jun 2015 18:35

Instrument :

BNA_F

ClientSampleId :

SOIL-STOCKPILE-TMSD

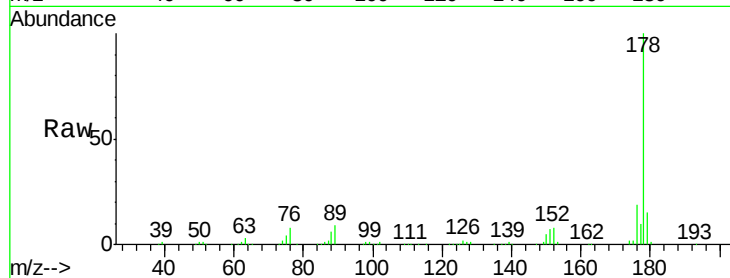
Tgt Ion:178 Resp: 338514

Ion Ratio Lower Upper

178 100

176 19.1 14.1 21.1

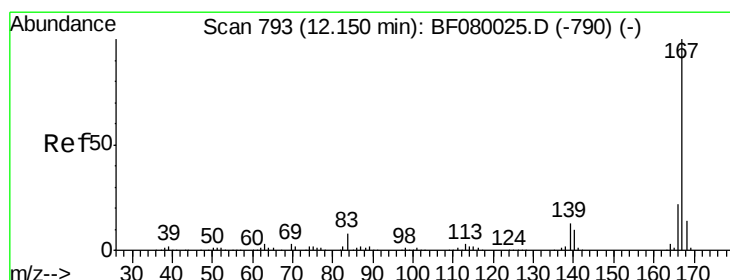
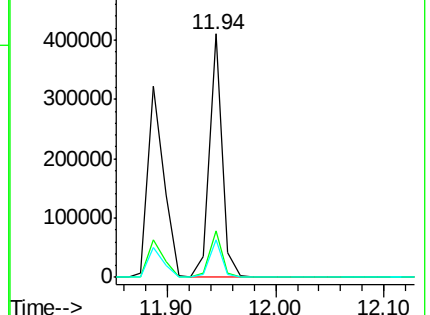
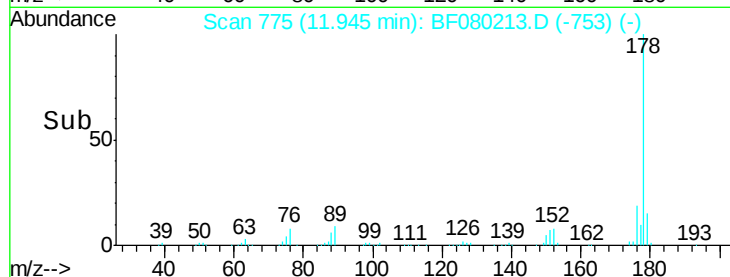
179 15.3 12.2 18.2



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: 42.09 ng

RT: 12.09 min Scan# 788

Delta R.T. -0.05 min

Lab File: BF080213.D

Acq: 29 Jun 2015 18:35

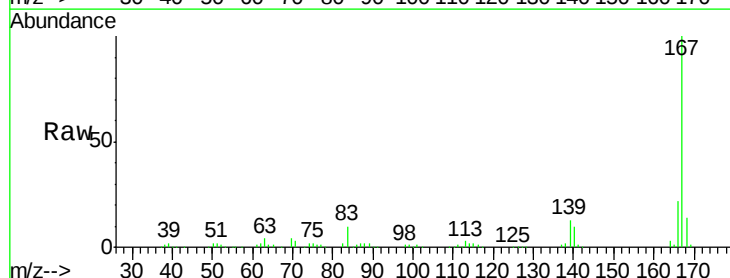
Tgt Ion:167 Resp: 292841

Ion Ratio Lower Upper

167 100

166 21.7 15.7 23.5

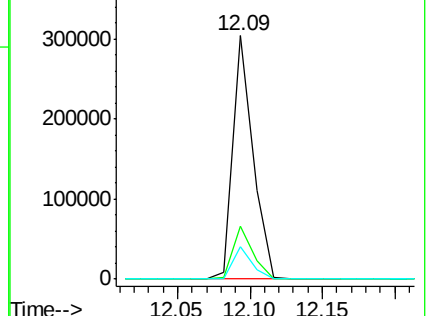
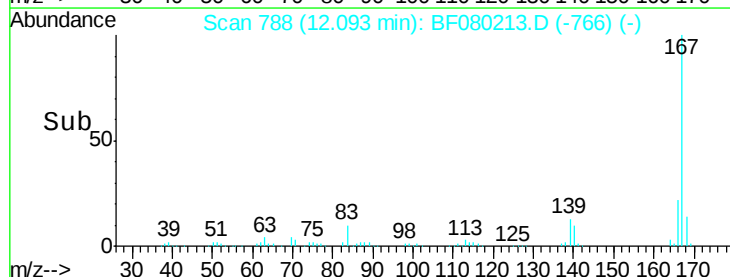
139 13.3 9.5 14.3



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: 39.82 ng

RT: 12.42 min Scan# 817

Delta R.T. -0.06 min

Lab File: BF080213.D

Acq: 29 Jun 2015 18:35

Instrument :

BNA_F

ClientSampleId :

SOIL-STOCKPILE-TMSD

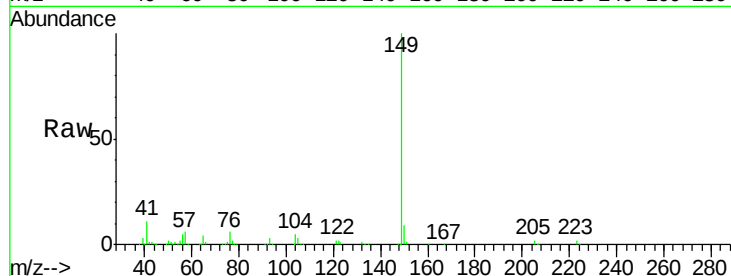
Tgt Ion:149 Resp: 320114

Ion Ratio Lower Upper

149 100

150 9.2 7.4 11.2

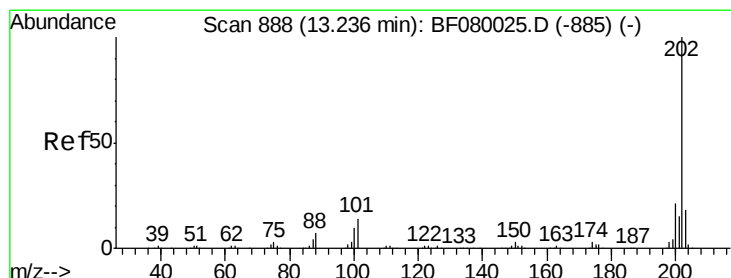
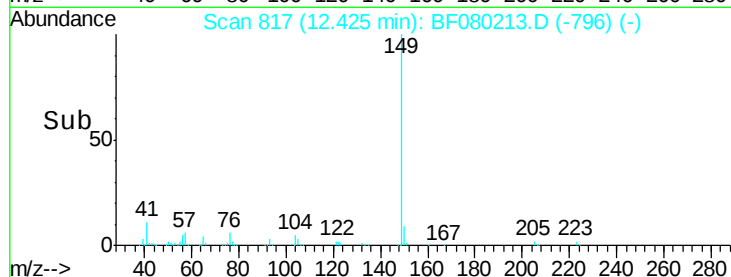
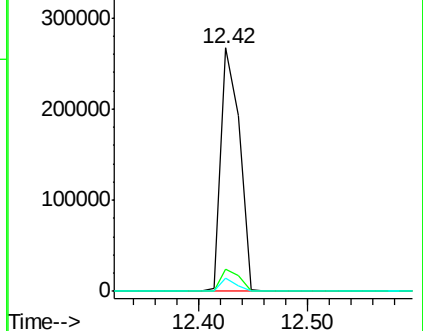
104 5.4 2.4 3.6#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 45.09 ng

RT: 13.17 min Scan# 882

Delta R.T. -0.08 min

Lab File: BF080213.D

Acq: 29 Jun 2015 18:35

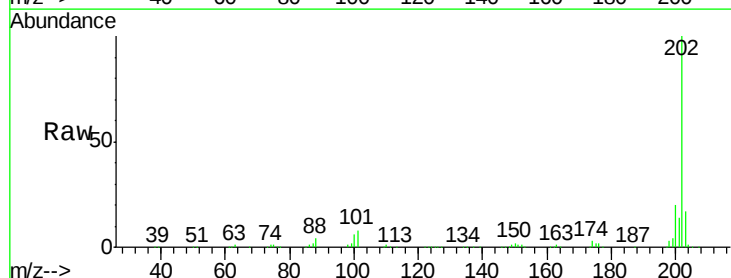
Tgt Ion:202 Resp: 363473

Ion Ratio Lower Upper

202 100

101 8.1 0.0 38.3

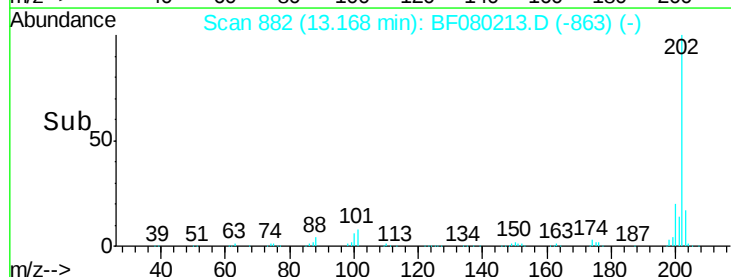
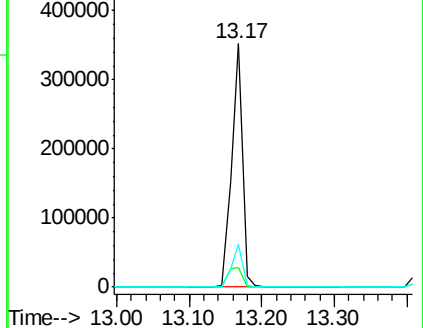
203 17.4 0.0 37.3

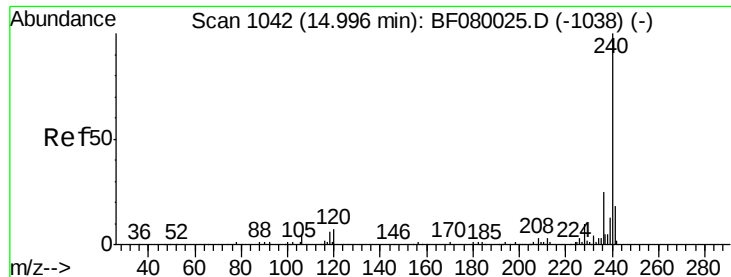


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.87 min Scan# 1031

Delta R.T. -0.13 min

Lab File: BF080213.D

Acq: 29 Jun 2015 18:35

Instrument :

BNA_F

ClientSampleId :

SOIL-STOCKPILE-TMSD

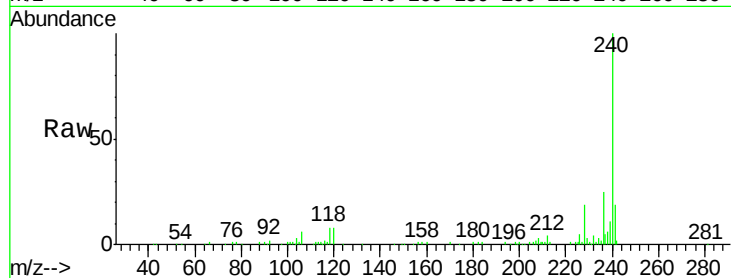
Tgt Ion:240 Resp: 133958

Ion Ratio Lower Upper

240 100

120 8.4 16.2 24.2#

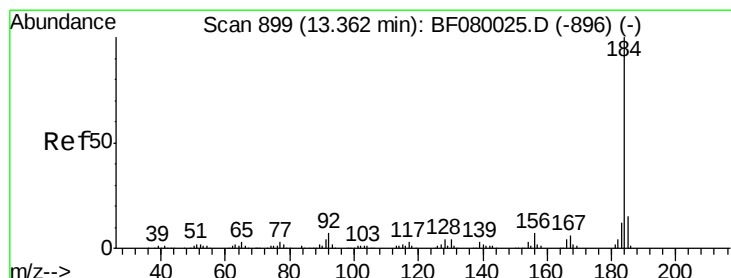
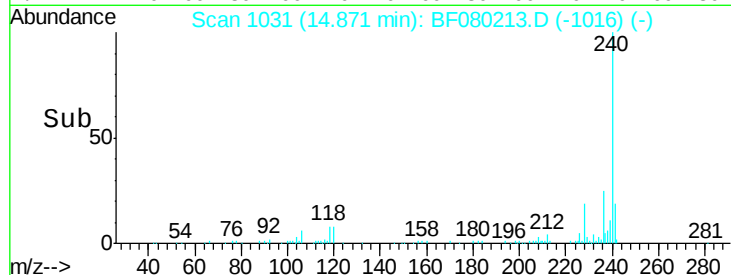
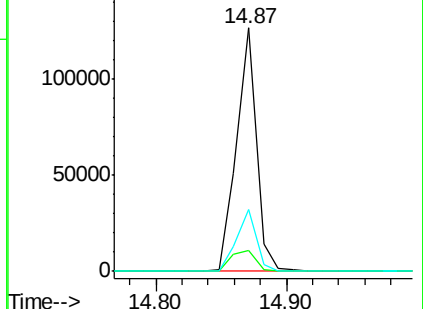
236 25.4 18.4 27.6



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: 50.42 ng

RT: 13.28 min Scan# 892

Delta R.T. -0.08 min

Lab File: BF080213.D

Acq: 29 Jun 2015 18:35

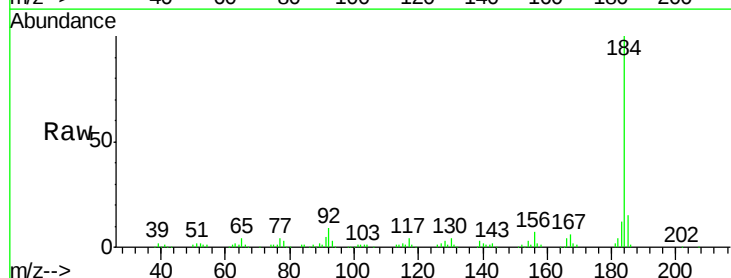
Tgt Ion:184 Resp: 188811

Ion Ratio Lower Upper

184 100

185 14.6 11.8 17.6

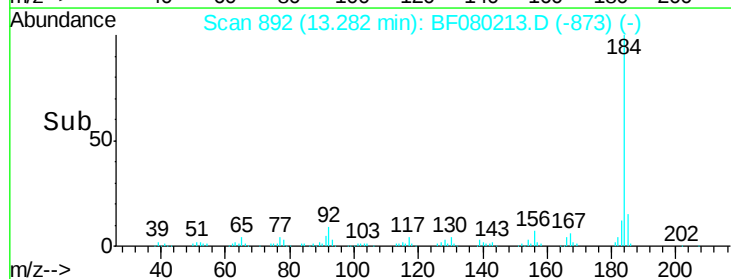
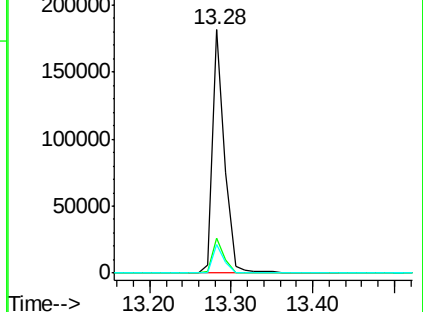
183 11.6 7.6 11.4#

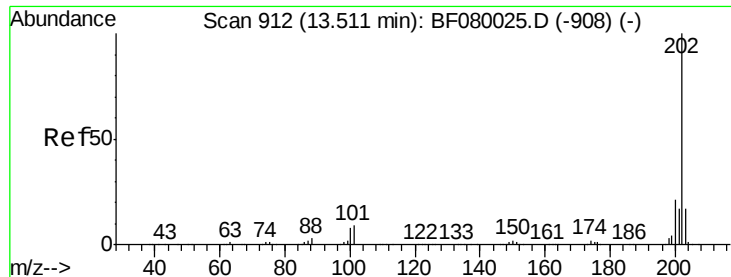


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

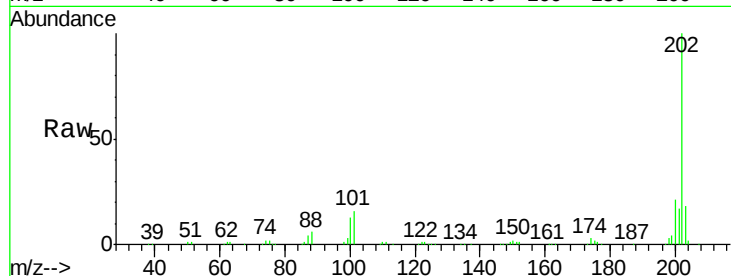




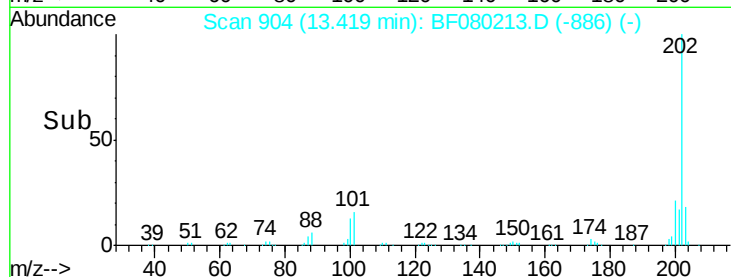
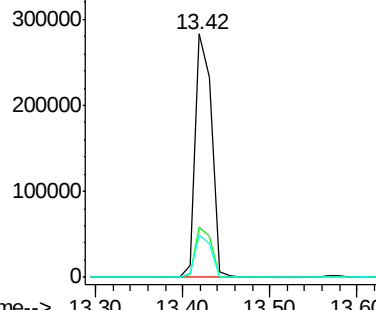
#77
 Pyrene
 Concen: 45.09 ng
 RT: 13.42 min Scan# 904
 Delta R.T. -0.09 min
 Lab File: BF080213.D
 Acq: 29 Jun 2015 18:35

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-STOCKPILE-TMSD

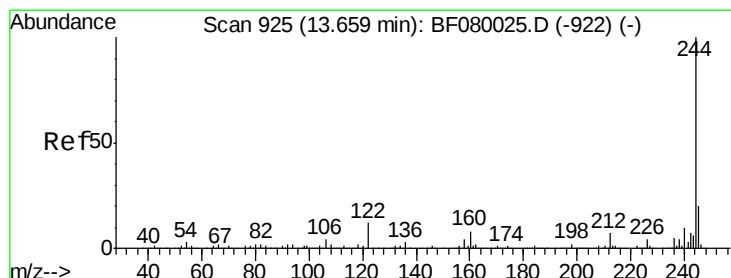
Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.8	15.0	22.4
203	17.7	14.1	21.1



Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 200.00 (199.70 to 200.70): E
 Ion 203.00 (202.70 to 203.70): E

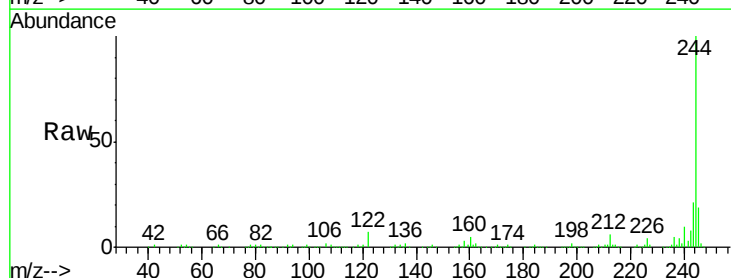


Time-->

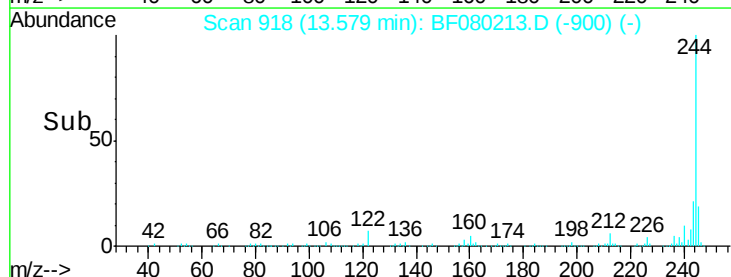
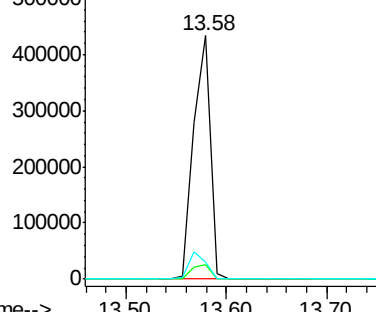


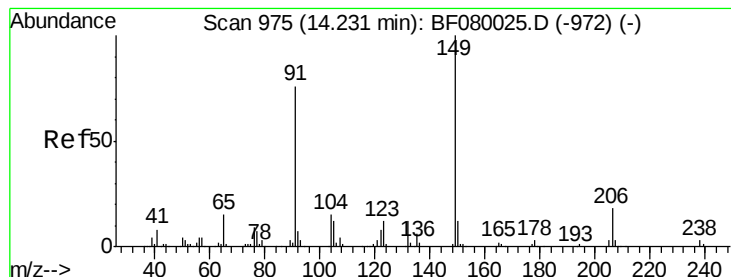
#78
 Terphenyl-d14
 Concen: 87.44 ng
 RT: 13.58 min Scan# 918
 Delta R.T. -0.09 min
 Lab File: BF080213.D
 Acq: 29 Jun 2015 18:35

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.2	4.3	6.5
122	6.7	17.4	26.2#



Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E





#79

Butylbenzylphthalate

Concen: 43.04 ng

RT: 14.13 min Scan# 966

Delta R.T. -0.11 min

Lab File: BF080213.D

Acq: 29 Jun 2015 18:35

Instrument :

BNA_F

ClientSampleId :

SOIL-STOCKPILE-TMSD

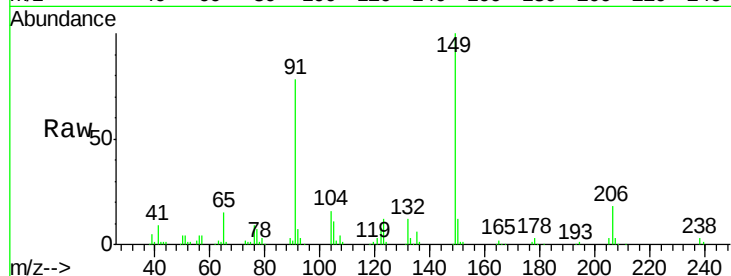
Tgt Ion:149 Resp: 142546

Ion Ratio Lower Upper

149 100

91 77.8 48.6 72.8#

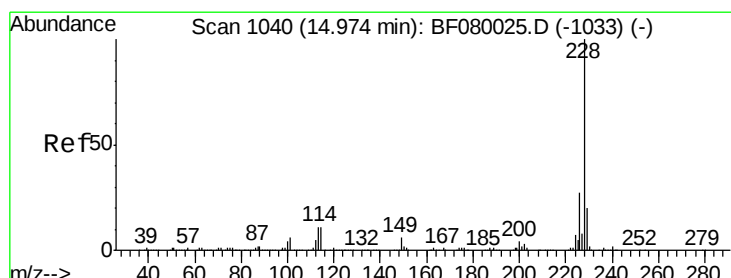
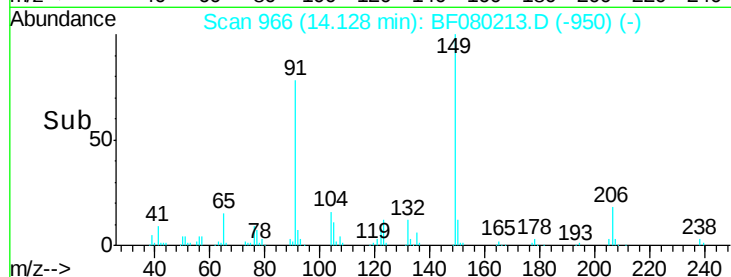
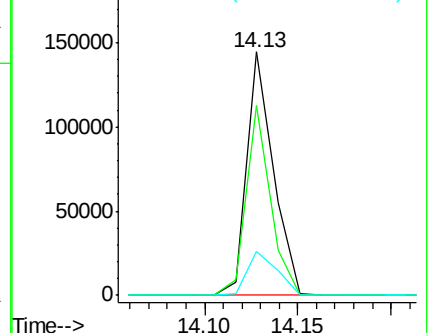
206 18.1 14.9 22.3



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E



#80

Benzo(a)anthracene

Concen: 46.14 ng

RT: 14.86 min Scan# 1030

Delta R.T. -0.13 min

Lab File: BF080213.D

Acq: 29 Jun 2015 18:35

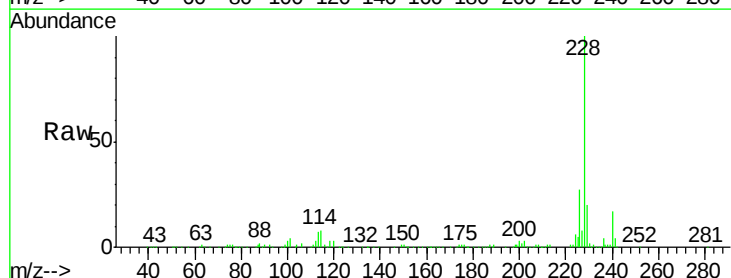
Tgt Ion:228 Resp: 376517

Ion Ratio Lower Upper

228 100

226 27.3 20.0 30.0

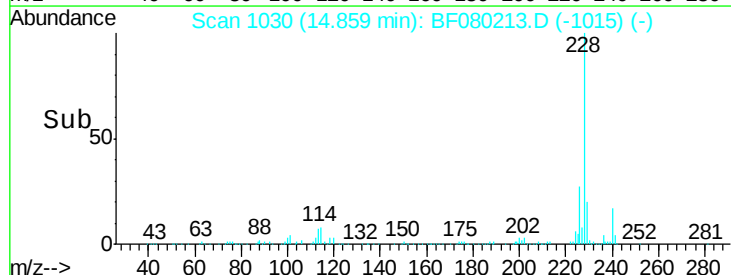
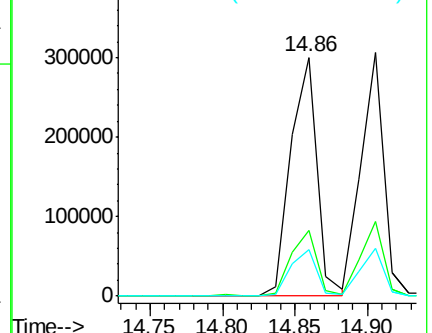
229 19.6 15.4 23.2

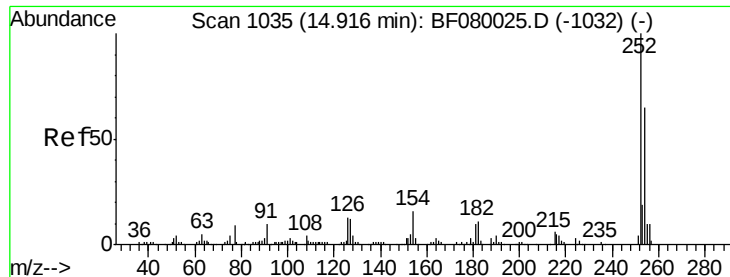


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

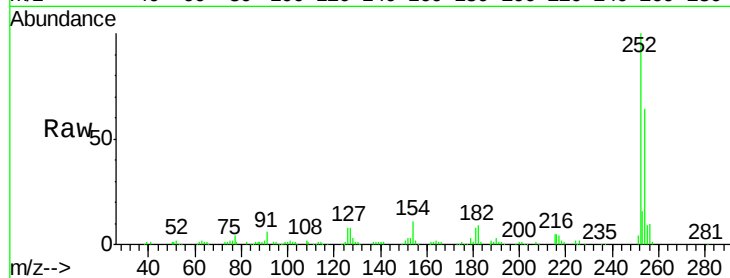




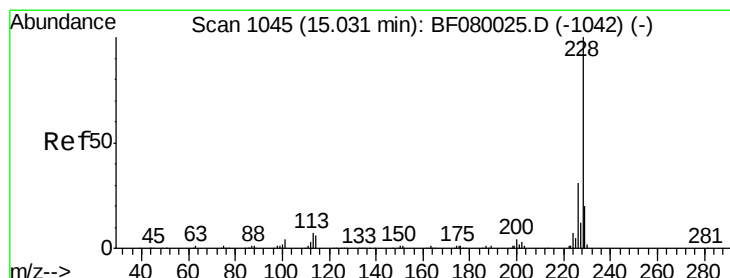
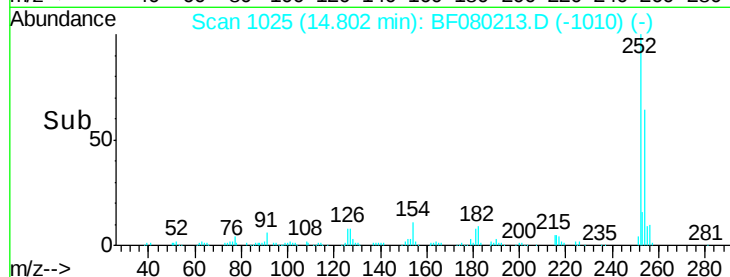
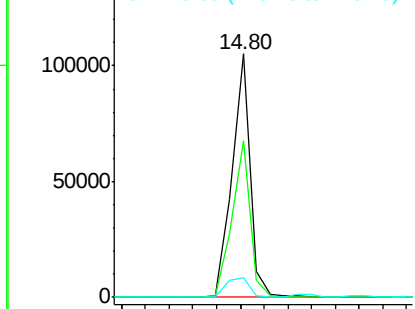
#81
 3,3'-Dichlorobenzidine
 Concen: 39.47 ng
 RT: 14.80 min Scan# 1025
 Delta R.T. -0.13 min
 Lab File: BF080213.D
 Acq: 29 Jun 2015 18:35

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-STOCKPILE-TMSD

Tgt Ion	Ratio	Lower	Upper
252	100		
254	64.3	51.4	77.2
126	8.3	16.4	24.6#

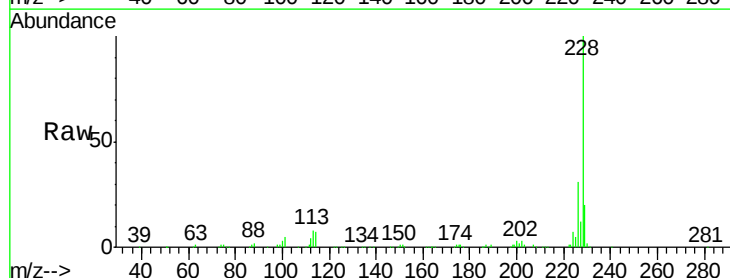


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

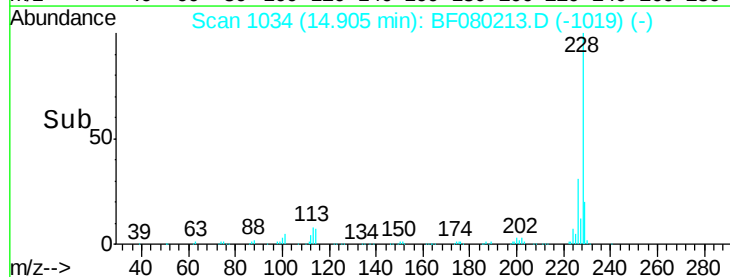
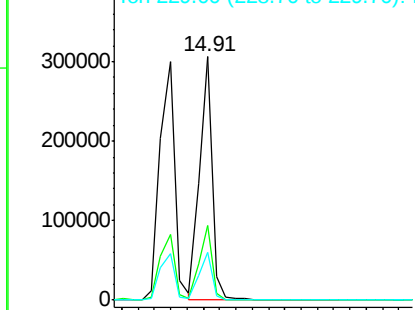


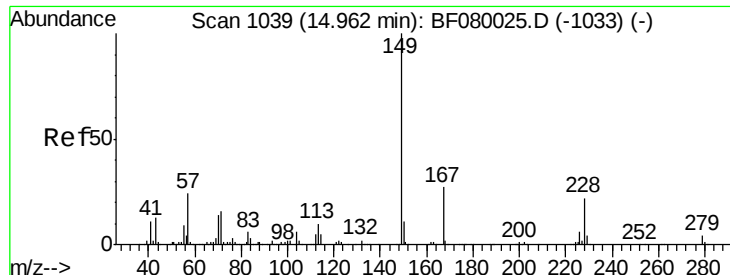
#82
 Chrysene
 Concen: 45.23 ng
 RT: 14.91 min Scan# 1034
 Delta R.T. -0.13 min
 Lab File: BF080213.D
 Acq: 29 Jun 2015 18:35

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.7	21.0	31.4
229	19.6	15.6	23.4



Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E

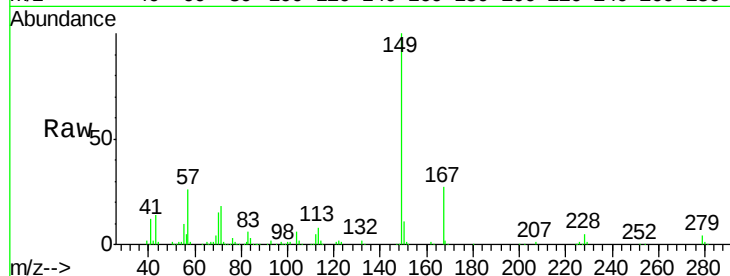




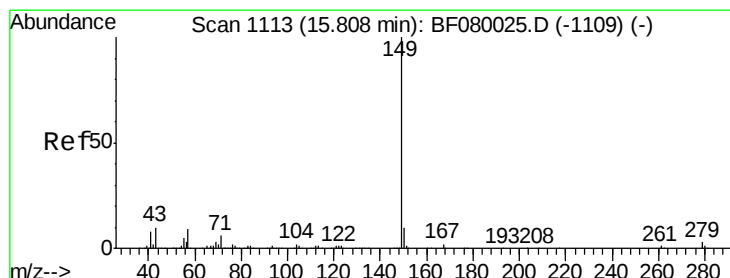
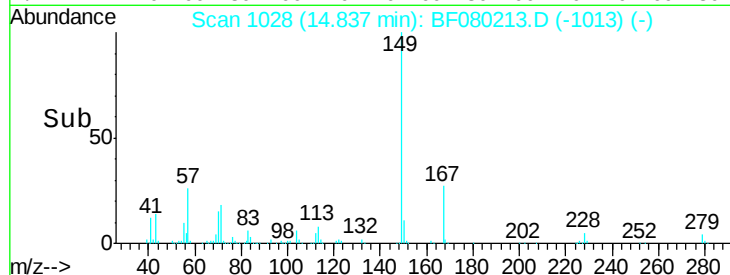
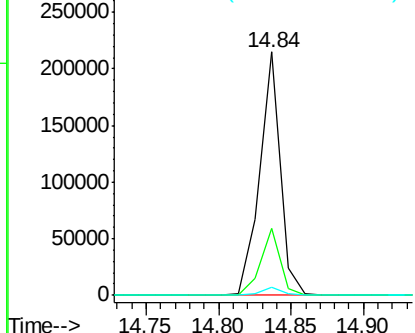
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 40.57 ng
 RT: 14.84 min Scan# 1028
 Delta R.T. -0.13 min
 Lab File: BF080213.D
 Acq: 29 Jun 2015 18:35

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-STOCKPILE-TMSD

Tgt Ion:149 Resp: 212389
 Ion Ratio Lower Upper
 149 100
 167 27.3 24.2 36.2
 279 3.5 3.8 5.6#

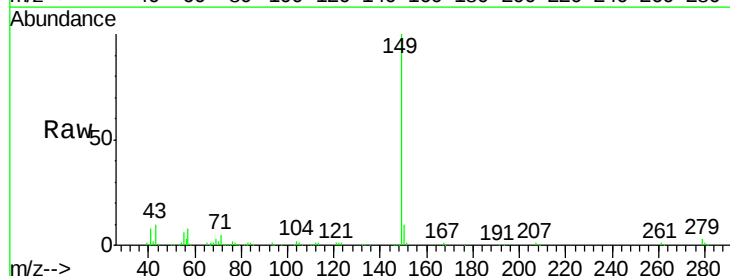


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

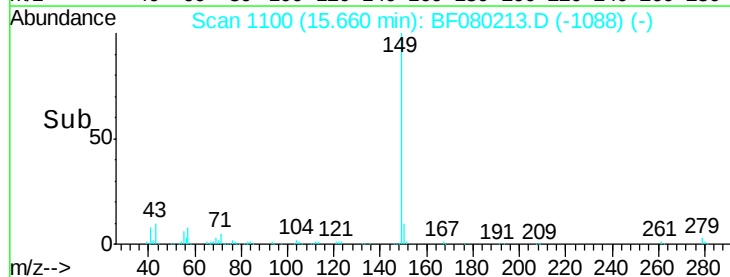
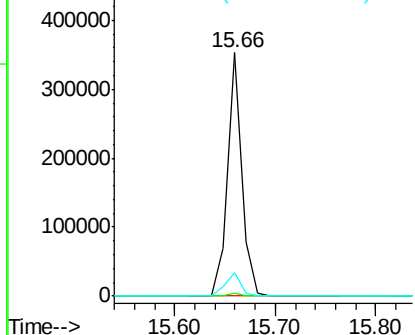


#84
 Di-n-octyl phthalate
 Concen: 39.07 ng
 RT: 15.66 min Scan# 1100
 Delta R.T. -0.16 min
 Lab File: BF080213.D
 Acq: 29 Jun 2015 18:35

Tgt Ion:149 Resp: 350458
 Ion Ratio Lower Upper
 149 100
 167 1.4 1.0 1.6
 43 10.8 10.2 15.2



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: 42.58 ng

RT: 18.61 min Scan# 1358

Delta R.T. -0.18 min

Lab File: BF080213.D

Acq: 29 Jun 2015 18:35

Instrument :

BNA_F

ClientSampleId :

SOIL-STOCKPILE-TMSD

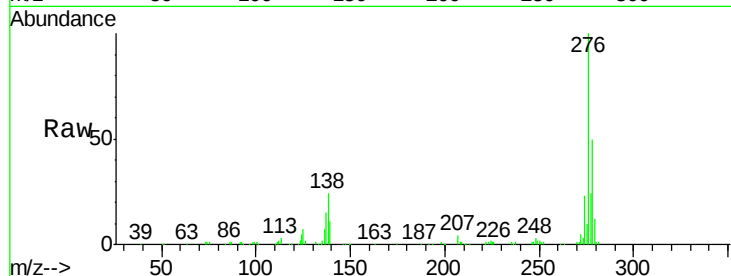
Tgt Ion:276 Resp: 404041

Ion Ratio Lower Upper

276 100

138 25.5 25.7 38.5#

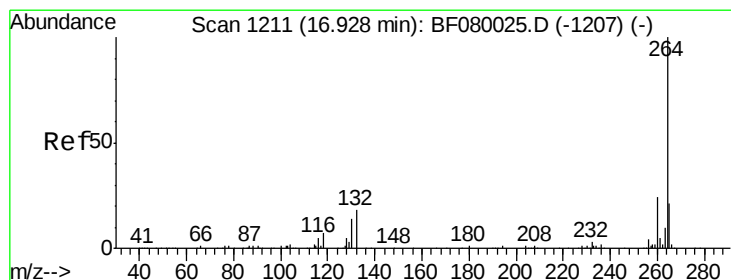
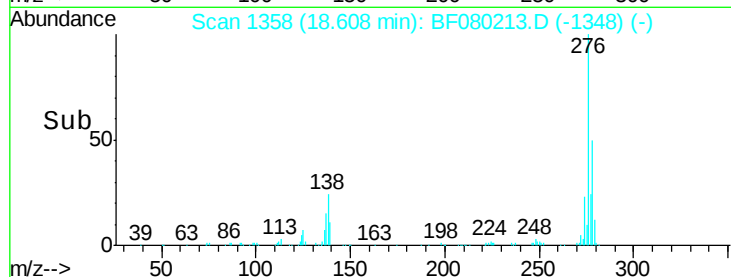
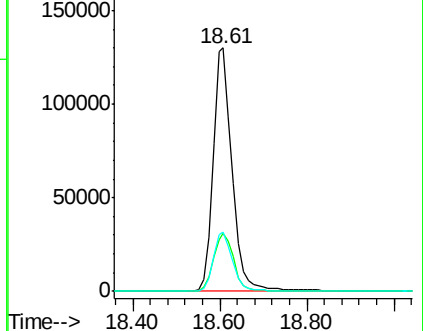
277 24.6 15.6 23.4#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 16.76 min Scan# 1196

Delta R.T. -0.17 min

Lab File: BF080213.D

Acq: 29 Jun 2015 18:35

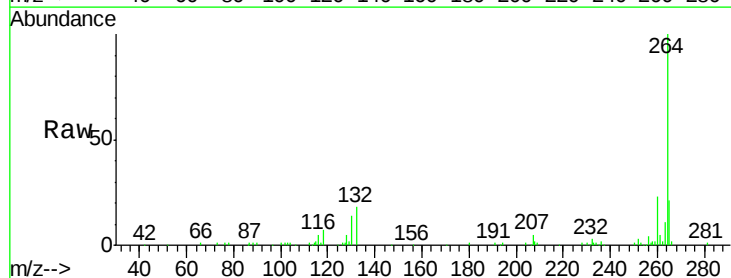
Tgt Ion:264 Resp: 131547

Ion Ratio Lower Upper

264 100

260 23.1 16.7 25.1

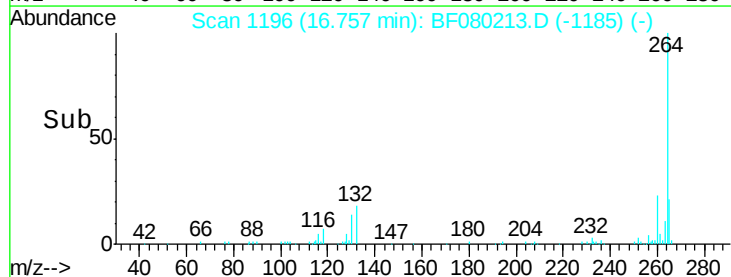
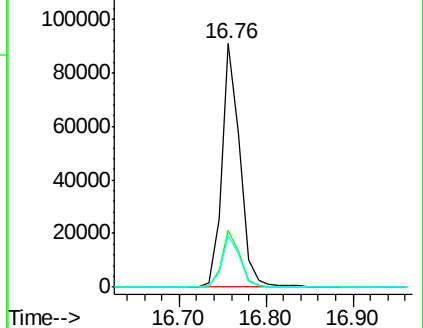
265 21.4 17.2 25.8



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

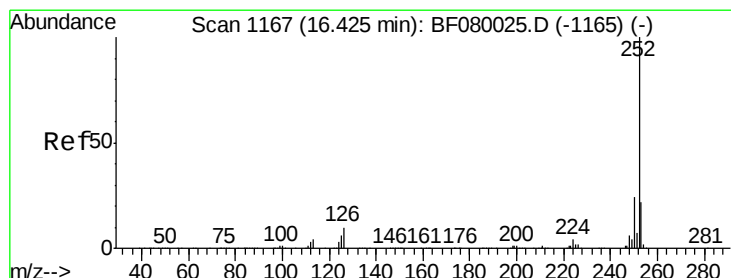
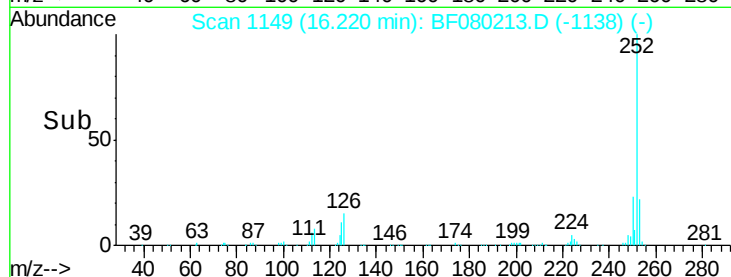
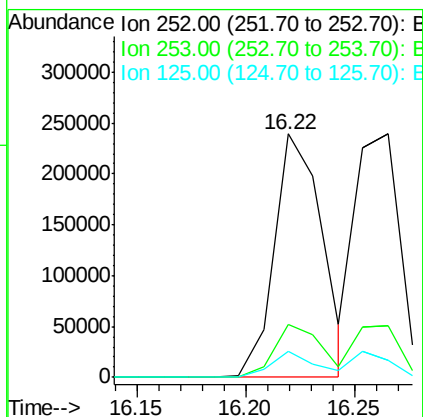
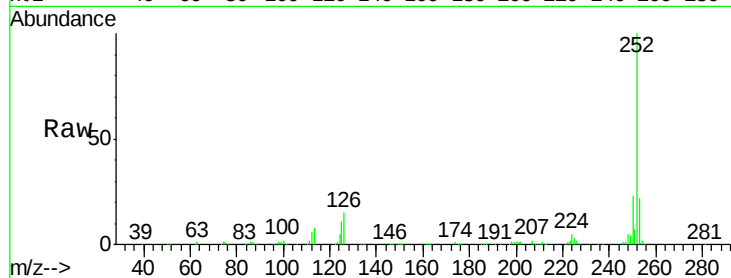




#87
Benzo(b)fluoranthene
Concen: 46.29 ng
RT: 16.22 min Scan# 1149
Delta R.T. -0.17 min
Lab File: BF080213.D
Acq: 29 Jun 2015 18:35

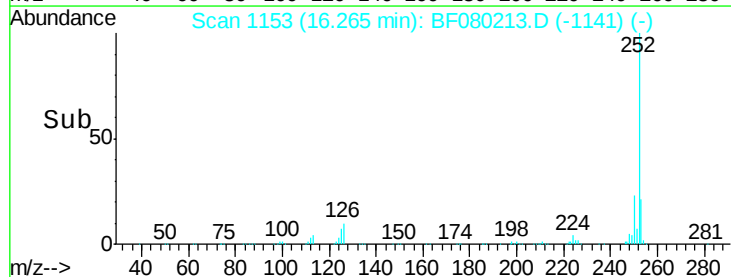
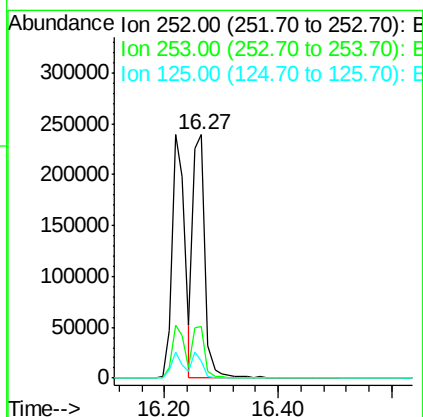
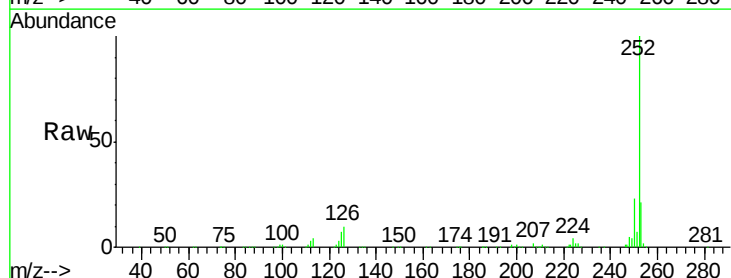
Instrument :
BNA_F
ClientSampleId :
SOIL-STOCKPILE-TMSD

Tgt Ion:252 Resp: 368659
Ion Ratio Lower Upper
252 100
253 22.0 17.5 26.3
125 10.9 17.1 25.7#



#88
Benzo(k)fluoranthene
Concen: 44.45 ng
RT: 16.27 min Scan# 1153
Delta R.T. -0.16 min
Lab File: BF080213.D
Acq: 29 Jun 2015 18:35

Tgt Ion:252 Resp: 360470
Ion Ratio Lower Upper
252 100
253 21.2 17.0 25.4
125 6.8 16.0 24.0#





#89

Benzo(a)pyrene

Concen: 47.44 ng

RT: 16.68 min Scan# 1189

Delta R.T. -0.17 min

Lab File: BF080213.D

Acq: 29 Jun 2015 18:35

Instrument :

BNA_F

ClientSampleId :

SOIL-STOCKPILE-TMSD

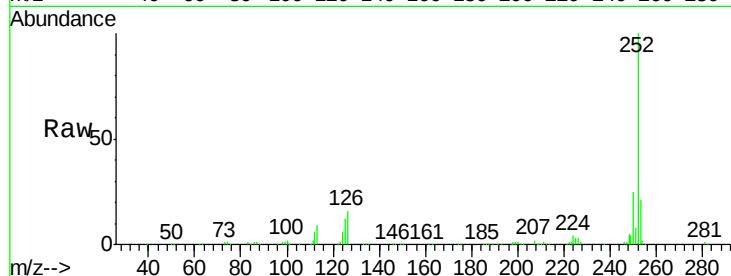
Tgt Ion:252 Resp: 358834

Ion Ratio Lower Upper

252 100

253 21.3 17.2 25.8

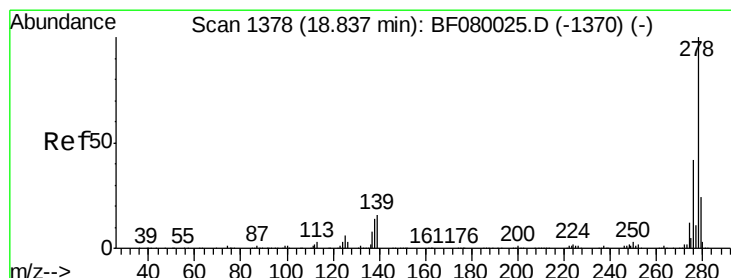
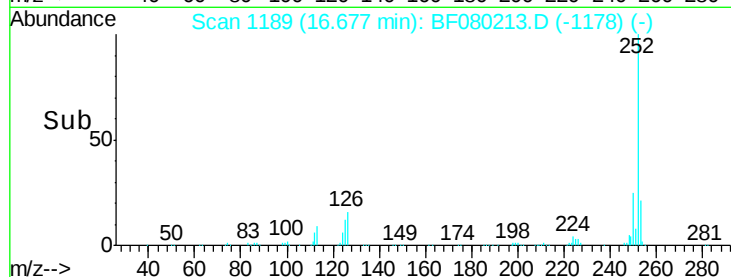
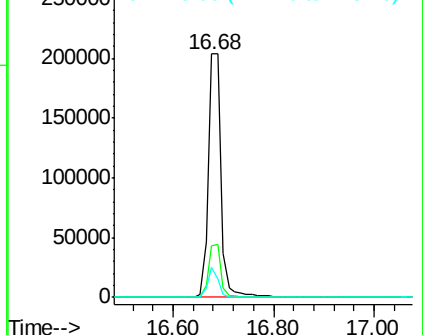
125 12.0 18.0 27.0#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Dibenzo(a,h)anthracene

Concen: 44.01 ng

RT: 18.63 min Scan# 1360

Delta R.T. -0.18 min

Lab File: BF080213.D

Acq: 29 Jun 2015 18:35

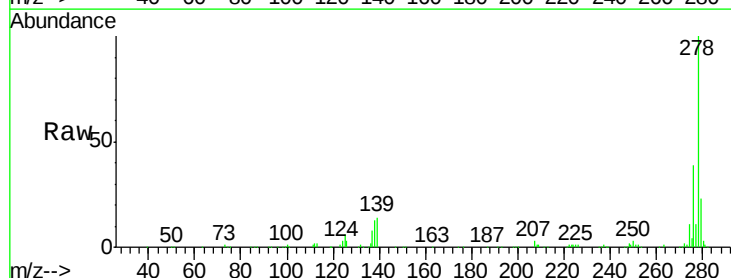
Tgt Ion:278 Resp: 340692

Ion Ratio Lower Upper

278 100

139 14.5 26.3 39.5#

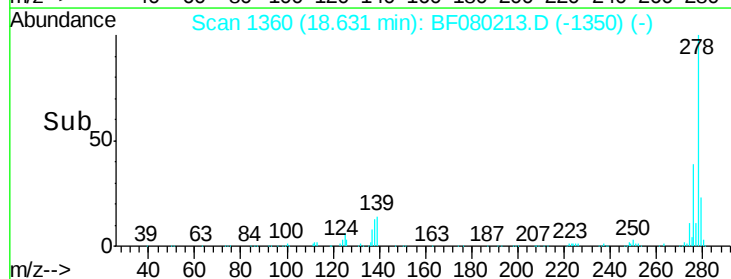
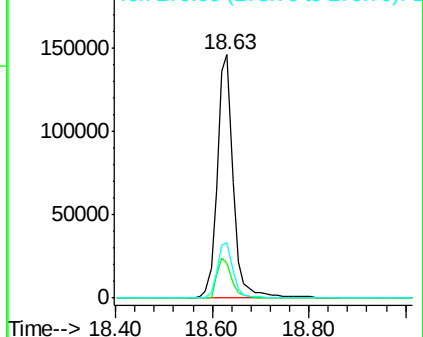
279 23.0 18.2 27.4



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

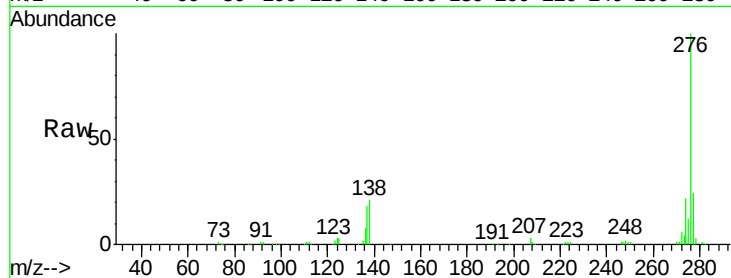




#91
 Benzo(g,h,i)perylene
 Concen: 44.07 ng
 RT: 19.16 min Scan# 1406
 Delta R.T. -0.19 min
 Lab File: BF080213.D
 Acq: 29 Jun 2015 18:35

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-STOCKPILE-TMSD

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.8	17.8	26.6
138	21.1	34.6	51.8



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

