

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062915\
 Data File : BF080227.D
 Acq On : 30 Jun 2015 3:12
 Operator : TP/IZ
 Sample : G2819-01MSD
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOILMSD

Quant Time: Jun 30 05:23:28 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	31309	20.00	ng	-0.03
21) Naphthalene-d8	8.58	136	119542	20.00	ng	-0.03
38) Acenaphthene-d10	10.36	164	61881	20.00	ng	-0.03
63) Phenanthrene-d10	11.86	188	118179	20.00	ng	-0.05
75) Chrysene-d12	14.72	240	127515	20.00	ng	-0.27
86) Perylene-d12	16.53	264	127248	20.00	ng	-0.40

System Monitoring Compounds

5) 2-Fluorophenol	5.91	112	277482	156.88	ng	-0.02
7) Phenol-d6	6.90	99	386725	164.31	ng	-0.02
23) Nitrobenzene-d5	7.85	82	241712	117.71	ng	-0.02
41) 2,4,6-Tribromophenol	11.16	330	90654	149.82	ng	-0.02
44) 2-Fluorobiphenyl	9.66	172	424212	97.76	ng	-0.03
78) Terphenyl-d14	13.50	244	475801	87.14	ng	-0.17

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.14	88	32336	38.46	ng	87
3) Pyridine	3.97	79	117628	52.61	ng	86
4) n-Nitrosodimethylamine	3.89	42	50956	47.96	ng	95
6) Aniline	6.95	93	143771	44.40	ng	94
8) 2-Chlorophenol	7.08	128	104137	50.94	ng	83
9) Benzaldehyde	6.84	77	49783	36.64	ng	# 68
10) Phenol	6.92	94	147714	57.51	ng	73
11) bis(2-Chloroethyl)ether	7.02	93	102199	50.15	ng	89
12) 1,3-Dichlorobenzene	7.48	146	112791	45.93	ng	99
13) 1,4-Dichlorobenzene	7.32	146	130009	55.67	ng	96
14) 1,2-Dichlorobenzene	7.48	146	112804	49.64	ng	96
15) Benzyl Alcohol	7.42	79	93226	48.44	ng	# 71
16) 2,2'-oxybis(1-Chloropropan	7.57	45	175137	57.90	ng	84
17) 2-Methylphenol	7.53	107	92343	52.88	ng	# 89
18) Hexachloroethane	7.82	117	39799	51.18	ng	# 80
19) n-Nitroso-di-n-propylamine	7.69	70	85438	52.29	ng	# 75
20) 3+4-Methylphenols	7.68	107	119102	52.85	ng	90
22) Acetophenone	7.69	105	143931	51.67	ng	# 80
24) Nitrobenzene	7.88	77	116060	54.76	ng	# 76
25) Isophorone	8.10	82	199505	48.28	ng	# 82
26) 2-Nitrophenol	8.20	139	56898	64.14	ng	# 74
27) 2,4-Dimethylphenol	8.22	122	110341	59.65	ng	# 82
28) bis(2-Chloroethoxy)methane	8.31	93	125672	51.76	ng	# 90
29) 2,4-Dichlorophenol	8.44	162	98501	62.18	ng	98
30) 1,2,4-Trichlorobenzene	8.53	180	107268	59.62	ng	100
31) Naphthalene	8.61	128	320221	51.24	ng	98
32) Benzoic acid	8.22	122	110341	98.66	ng	# 28
33) 4-Chloroaniline	8.65	127	95851	35.83	ng	# 97
34) Hexachlorobutadiene	8.73	225	55824	50.39	ng	99
35) Caprolactam	8.98	113	27670	53.81	ng	98
36) 4-Chloro-3-methylphenol	9.12	107	95311	53.34	ng	90
37) 2-Methylnaphthalene	9.30	142	227879	56.37	ng	# 93
39) 1,2,4,5-Tetrachlorobenzene	9.48	216	102805	57.09	ng	97
40) Hexachlorocyclopentadiene	9.46	237	62015	67.95	ng	98

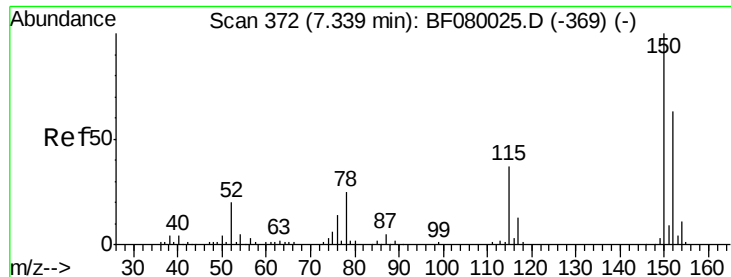
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062915\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.58	196	66012	53.88	ng	98
43) 2,4,5-Trichlorophenol	9.61	196	66968	47.44	ng #	87
45) 1,1'-Biphenyl	9.76	154	254867	50.62	ng	93
46) 2-Chloronaphthalene	9.80	162	211462	51.76	ng	95
47) 2-Nitroaniline	9.88	65	58816	52.45	ng #	54
48) Acenaphthylene	10.22	152	354276	51.96	ng	97
49) Dimethylphthalate	10.06	163	315237	67.76	ng #	97
50) 2,6-Dinitrotoluene	10.12	165	48830	52.36	ng #	42
51) Acenaphthene	10.39	154	202468	48.54	ng	90
52) 3-Nitroaniline	10.29	138	50042	46.50	ng #	45
53) 2,4-Dinitrophenol	10.40	184	6341	21.32	ng #	1
54) Dibenzofuran	10.56	168	305607	51.63	ng #	89
55) 4-Nitrophenol	10.44	139	61029	70.95	ng #	33
56) 2,4-Dinitrotoluene	10.53	165	70287	59.39	ng #	83
57) Fluorene	10.92	166	239245	50.94	ng	93
58) 2,3,4,6-Tetrachlorophenol	10.68	232	51710	43.39	ng	96
59) Diethylphthalate	10.76	149	226831	48.42	ng	96
60) 4-Chlorophenyl-phenylether	10.89	204	114655	50.80	ng #	88
61) 4-Nitroaniline	10.90	138	54500	49.04	ng #	49
62) Azobenzene	11.05	77	233987	49.07	ng	88
64) 4,6-Dinitro-2-methylphenol	10.94	198	13874	28.18	ng	87
65) n-Nitrosodiphenylamine	11.01	169	209618	54.47	ng	91
66) 4-Bromophenyl-phenylether	11.40	248	66129	52.63	ng #	82
67) Hexachlorobenzene	11.48	284	71297	51.05	ng #	77
68) Atrazine	11.53	200	66008	54.29	ng	85
69) Pentachlorophenol	11.66	266	57969	73.25	ng	100
70) Phenanthrene	11.89	178	381563	53.33	ng	97
71) Anthracene	11.93	178	365298	53.03	ng	98
72) Carbazole	12.08	167	322064	48.97	ng	96
73) Di-n-butylphthalate	12.41	149	361653	47.59	ng	99
74) Fluoranthene	13.11	202	387610	50.87	ng	95
76) Benzidine	13.22	184	279093	78.30	ng	98
77) Pyrene	13.36	202	408393	52.02	ng	97
79) Butylbenzylphthalate	14.02	149	170444	54.06	ng	98
80) Benzo(a)anthracene	14.71	228	402291	51.79	ng	97
81) 3,3'-Dichlorobenzidine	14.65	252	152030	56.74	ng #	94
82) Chrysene	14.76	228	366775	51.20	ng	95
83) Bis(2-ethylhexyl)phthalate	14.68	149	248657	49.90	ng #	93
84) Di-n-octyl phthalate	15.44	149	412707	48.33	ng #	94
85) Indeno(1,2,3-cd)pyrene	18.35	276	447844	49.58	ng #	89
87) Benzo(b)fluoranthene	16.00	252	385538	50.04	ng #	86
88) Benzo(k)fluoranthene	16.04	252	401377	51.16	ng #	87
89) Benzo(a)pyrene	16.45	252	394536	53.92	ng #	88
90) Dibenzo(a,h)anthracene	18.37	278	375445	50.13	ng #	83
91) Benzo(g,h,i)perylene	18.91	276	381146	50.41	ng #	76

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.29 min Scan# 368

Delta R.T. -0.03 min

Lab File: BF080227.D

Acq: 30 Jun 2015 3:12

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SOILMSD

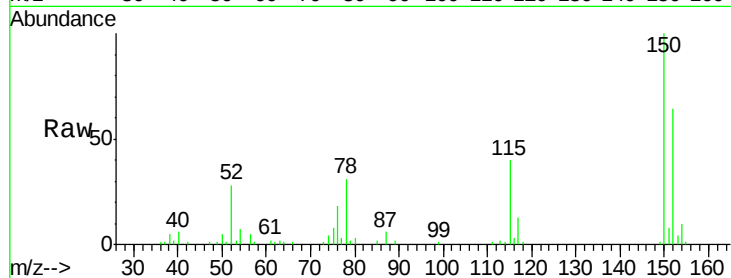
Tgt Ion:152 Resp: 31309

Ion Ratio Lower Upper

152 100

150 156.2 124.7 187.1

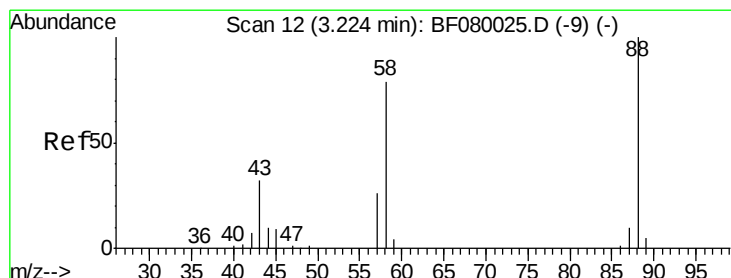
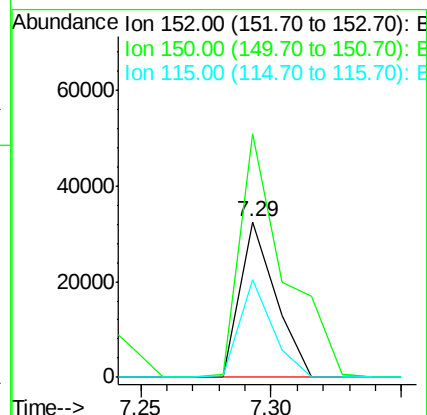
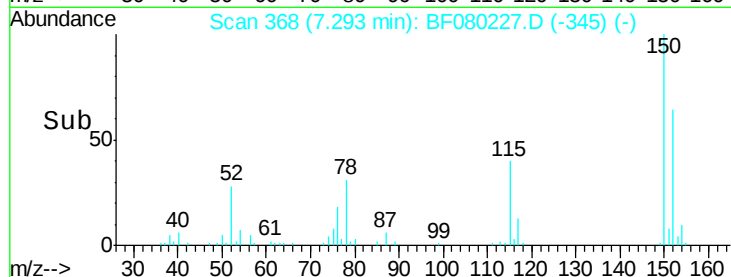
115 62.4 39.0 58.4#



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: 38.46 ng

RT: 3.14 min Scan# 5

Delta R.T. -0.05 min

Lab File: BF080227.D

Acq: 30 Jun 2015 3:12

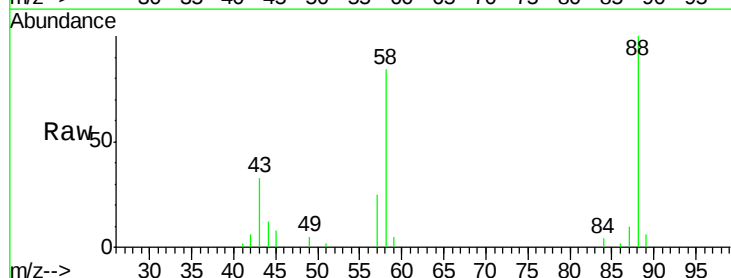
Tgt Ion: 88 Resp: 32336

Ion Ratio Lower Upper

88 100

58 81.8 77.7 116.5

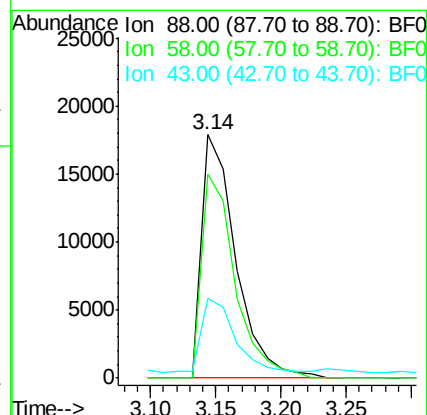
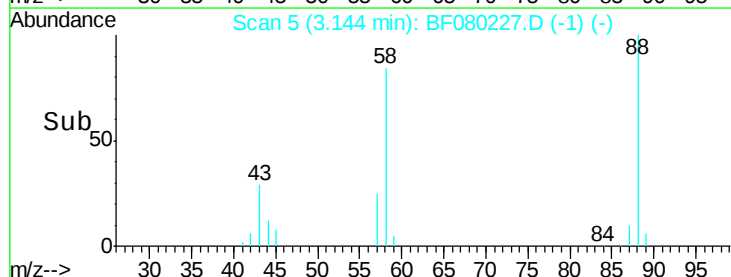
43 29.1 26.6 40.0

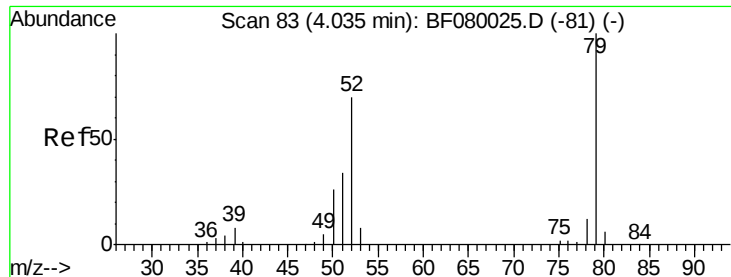


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#3

Pyridine

Concen: 52.61 ng

RT: 3.97 min Scan# 77

Delta R.T. -0.03 min

Lab File: BF080227.D

Acq: 30 Jun 2015 3:12

Instrument :

BNA_F

ClientSampleId :

SOILMSD

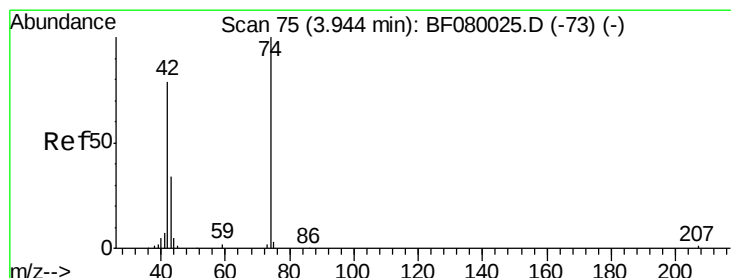
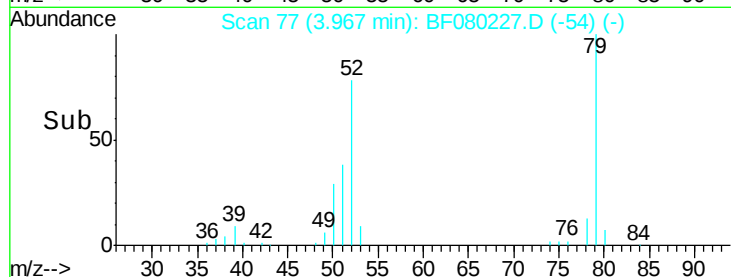
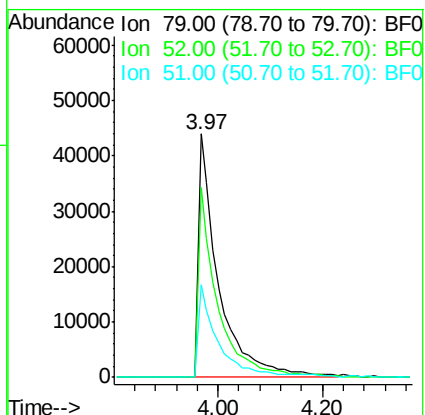
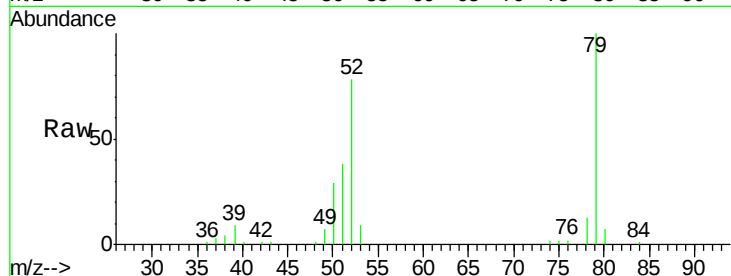
Tgt Ion: 79 Resp: 117628

Ion Ratio Lower Upper

79 100

52 77.8 76.8 115.2

51 37.9 32.2 48.4



#4

n-Nitrosodimethylamine

Concen: 47.96 ng

RT: 3.89 min Scan# 70

Delta R.T. -0.03 min

Lab File: BF080227.D

Acq: 30 Jun 2015 3:12

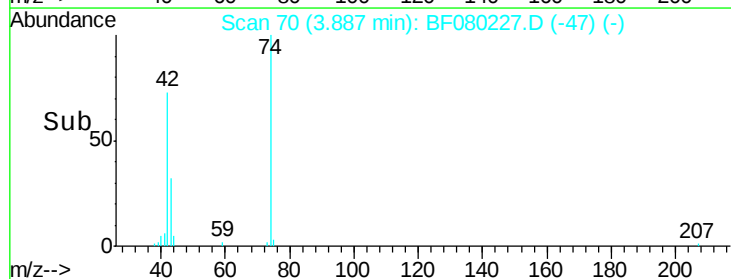
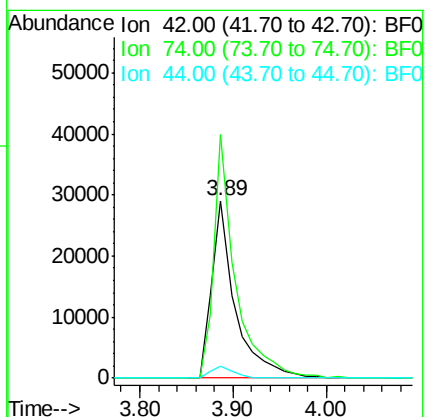
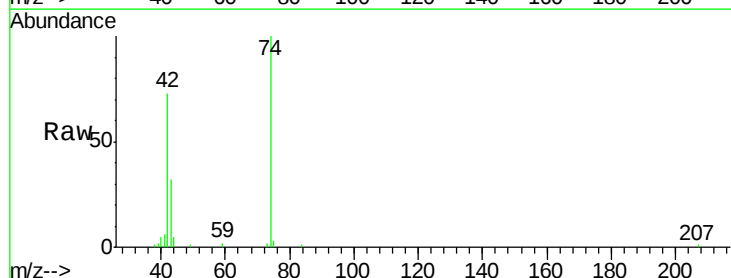
Tgt Ion: 42 Resp: 50956

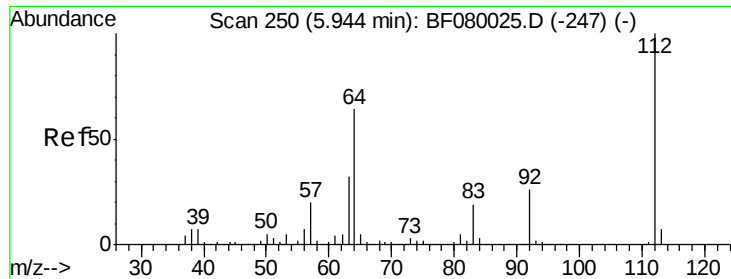
Ion Ratio Lower Upper

42 100

74 137.1 105.0 157.6

44 6.7 6.6 10.0





#5

2-Fluorophenol

Concen: 156.88 ng

RT: 5.91 min Scan# 247

Delta R.T. -0.02 min

Lab File: BF080227.D

Acq: 30 Jun 2015 3:12

Instrument :

BNA_F

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SOILMSD

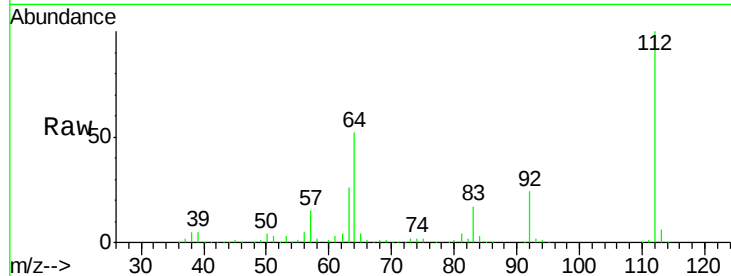
Tgt Ion: 112 Resp: 277482

Ion Ratio Lower Upper

112 100

64 51.9 39.7 59.5

63 25.6 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

300000

200000

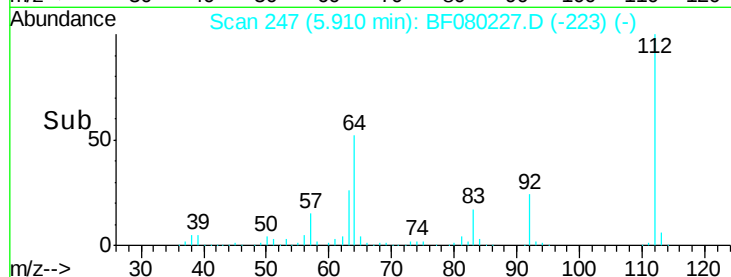
100000

0

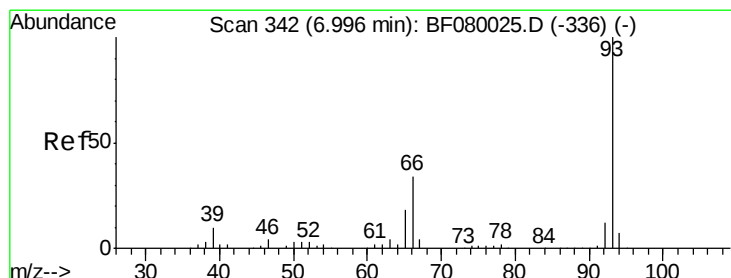
5.80

5.91

6.00



Time-->



#6

Aniline

Concen: 44.40 ng

RT: 6.95 min Scan# 338

Delta R.T. -0.02 min

Lab File: BF080227.D

Acq: 30 Jun 2015 3:12

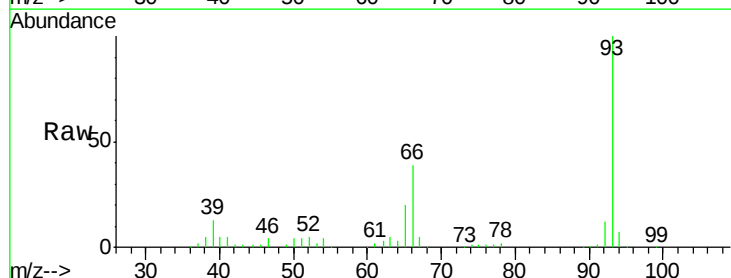
Tgt Ion: 93 Resp: 143771

Ion Ratio Lower Upper

93 100

66 38.8 27.2 40.8

65 19.7 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

200000

150000

100000

50000

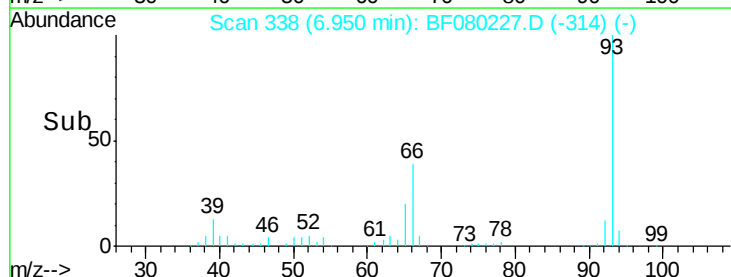
0

6.85

6.90

6.95

7.00



Time-->



#7

Phenol-d6

Concen: 164.31 ng

RT: 6.90 min Scan# 334

Delta R.T. -0.02 min

Lab File: BF080227.D

Acq: 30 Jun 2015 3:12

Instrument :

BNA_F

ClientSampleId :

SOILMSD

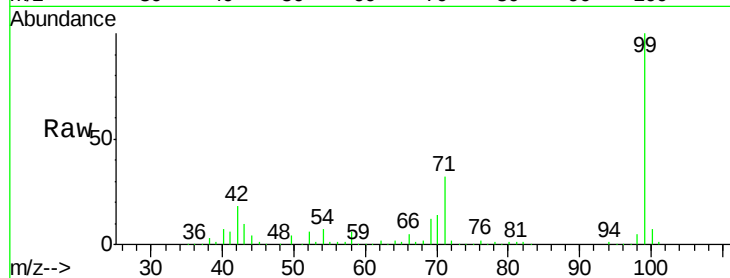
Tgt Ion: 99 Resp: 386725

Ion Ratio Lower Upper

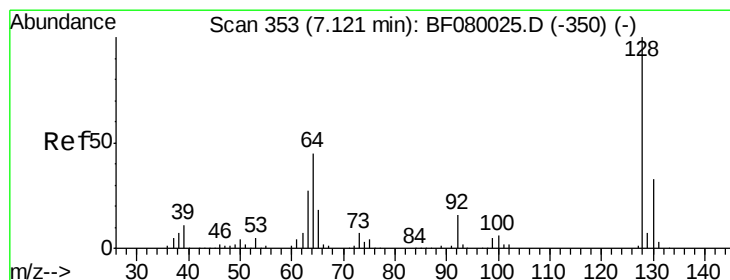
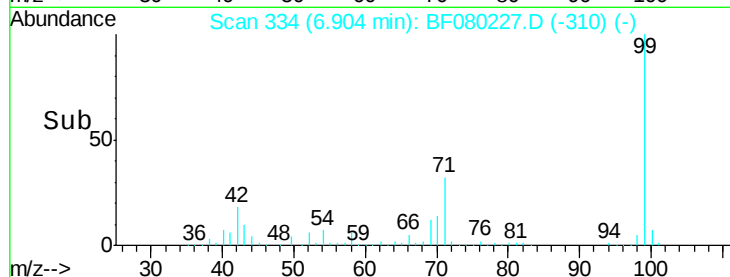
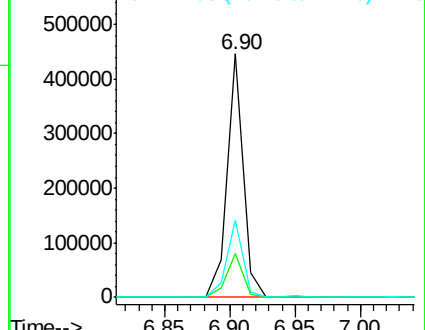
99 100

42 18.2 13.7 20.5

71 31.6 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: 50.94 ng

RT: 7.08 min Scan# 349

Delta R.T. -0.03 min

Lab File: BF080227.D

Acq: 30 Jun 2015 3:12

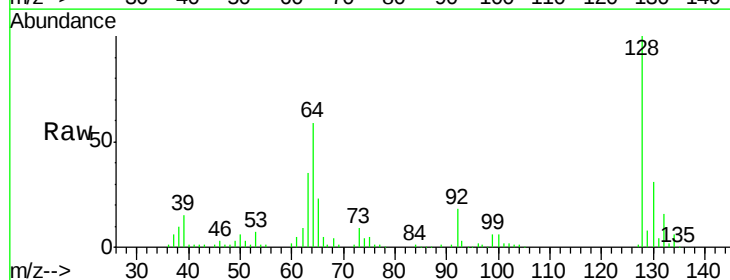
Tgt Ion: 128 Resp: 104137

Ion Ratio Lower Upper

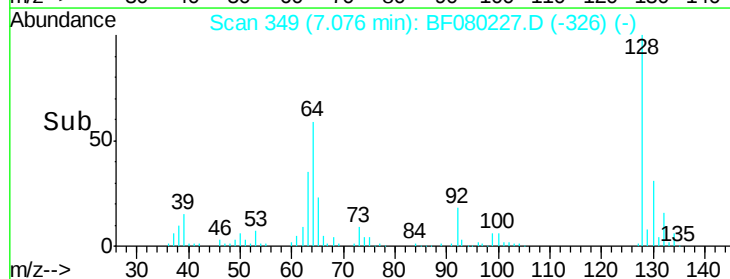
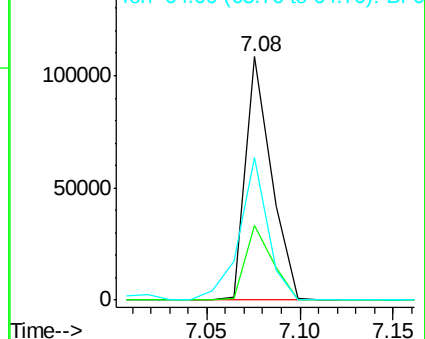
128 100

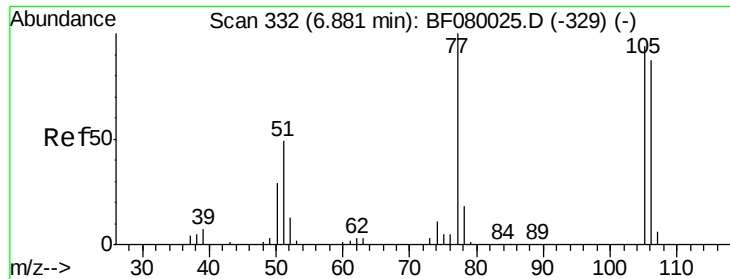
130 30.6 12.2 52.2

64 58.6 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: 36.64 ng

RT: 6.84 min Scan# 328

Delta R.T. -0.03 min

Lab File: BF080227.D

Acq: 30 Jun 2015 3:12

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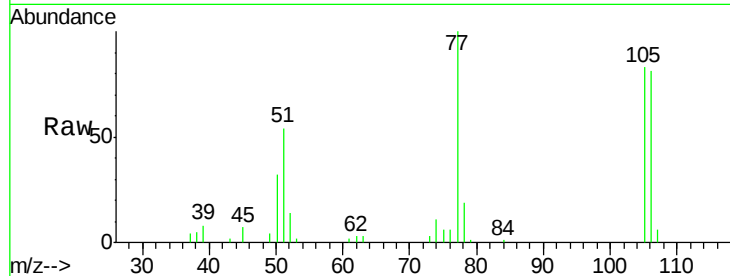
Tgt Ion: 77 Resp: 49783

Ion Ratio Lower Upper

77 100

105 83.1 91.6 131.6#

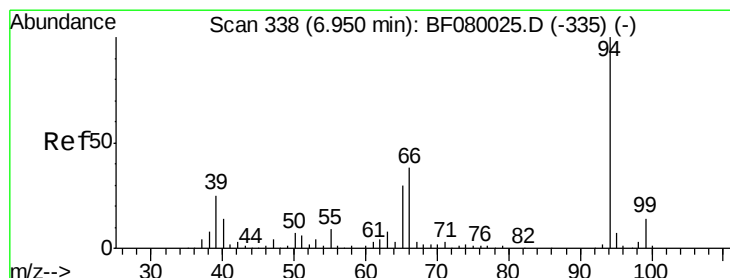
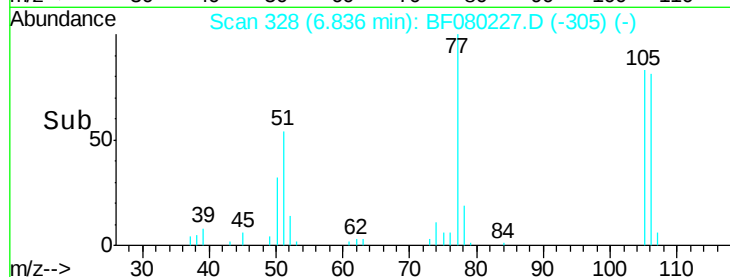
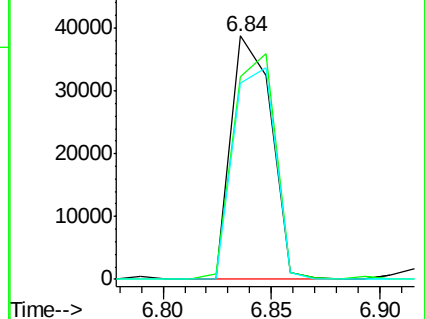
106 80.5 102.6 142.6#



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0



#10

Phenol

Concen: 57.51 ng

RT: 6.92 min Scan# 335

Delta R.T. -0.02 min

Lab File: BF080227.D

Acq: 30 Jun 2015 3:12

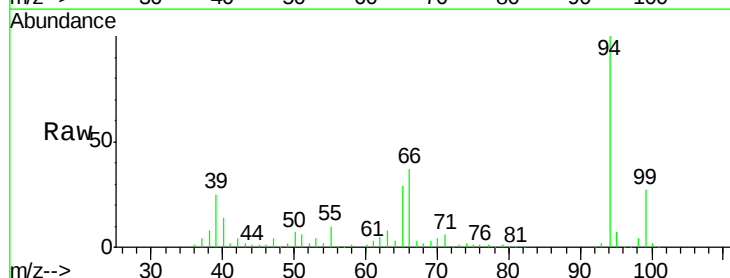
Tgt Ion: 94 Resp: 147714

Ion Ratio Lower Upper

94 100

65 29.0 0.7 40.7

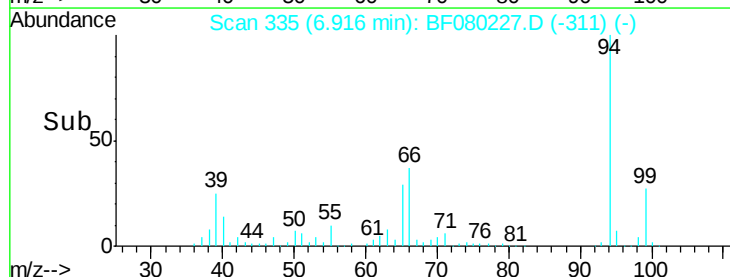
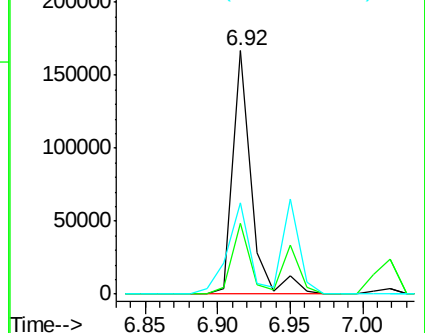
66 37.3 0.8 40.8



Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

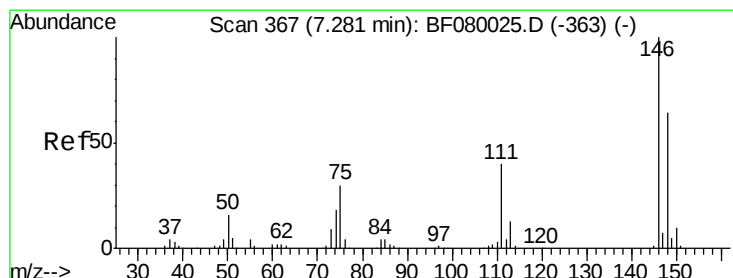
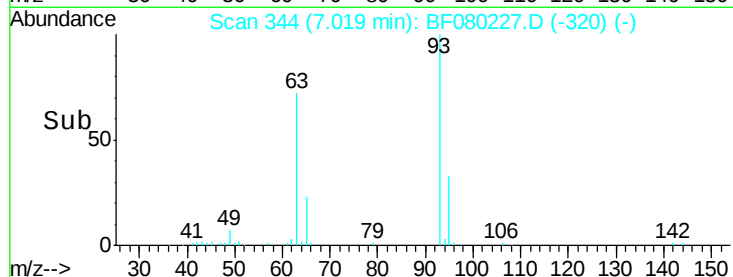
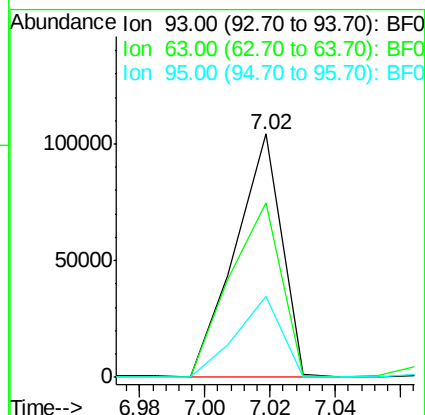
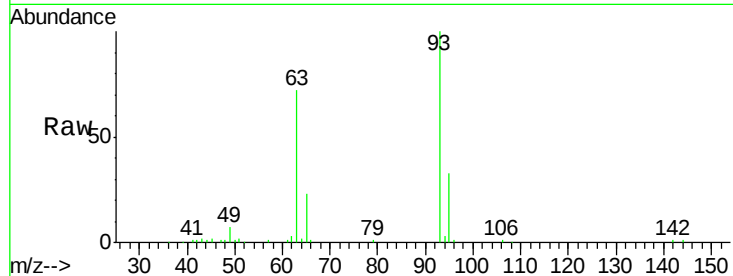




#11
bis(2-Chloroethyl)ether
Concen: 50.15 ng
RT: 7.02 min Scan# 344
Delta R.T. -0.02 min
Lab File: BF080227.D
Acq: 30 Jun 2015 3:12

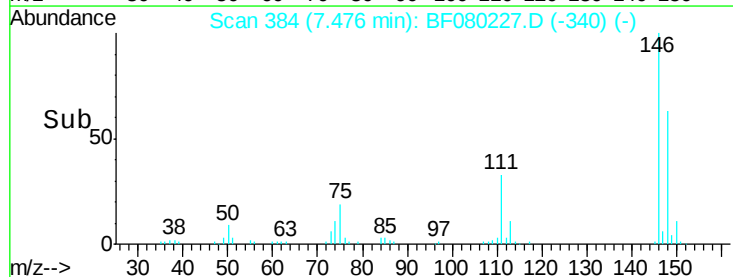
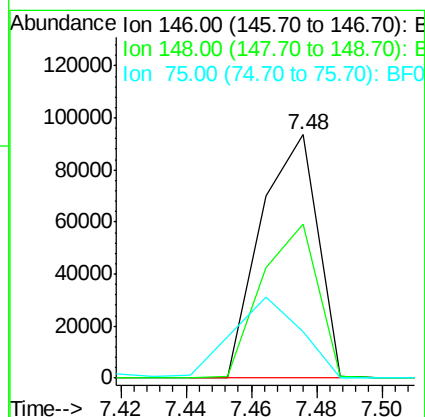
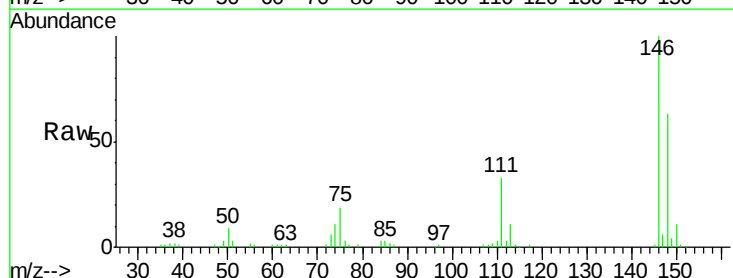
Instrument :
BNA_F
ClientSampleId :
SOILMSD

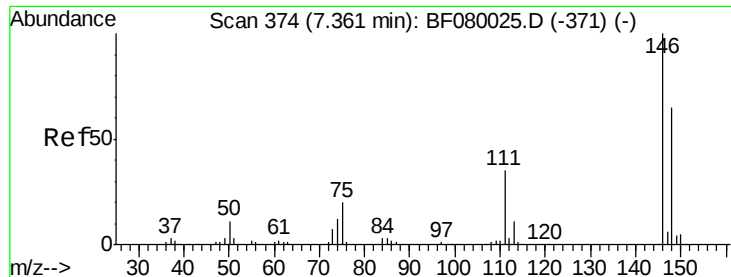
Tgt Ion: 93 Resp: 102199
Ion Ratio Lower Upper
93 100
63 71.6 65.6 105.6
95 33.2 13.6 53.6



#12
1,3-Dichlorobenzene
Concen: 45.93 ng
RT: 7.48 min Scan# 384
Delta R.T. 0.21 min
Lab File: BF080227.D
Acq: 30 Jun 2015 3:12

Tgt Ion: 146 Resp: 112791
Ion Ratio Lower Upper
146 100
148 63.1 51.0 76.4
75 19.0 15.0 22.6

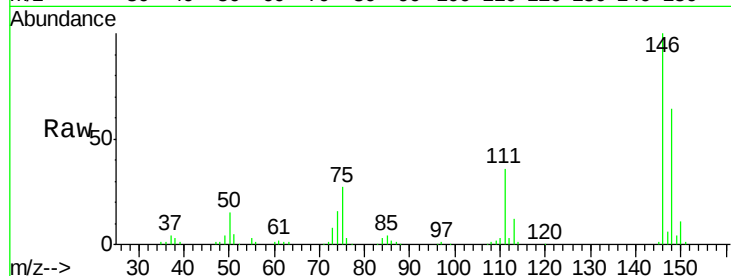




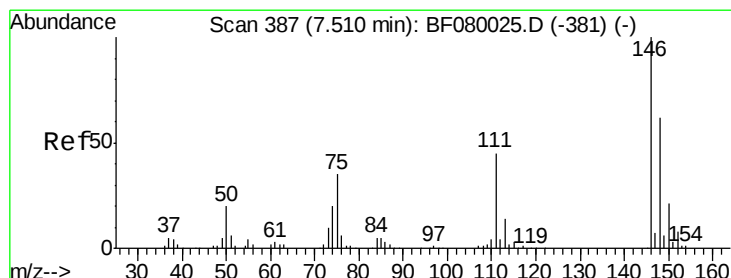
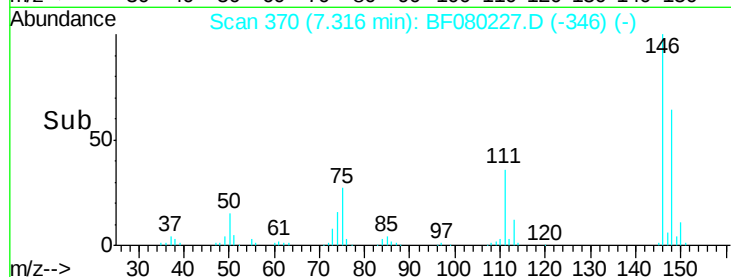
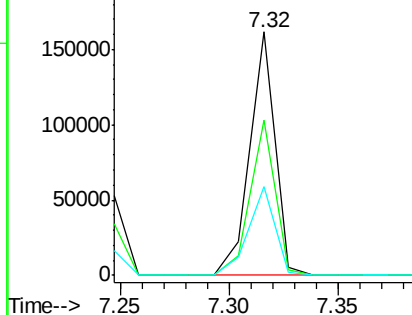
#13
 1,4-Dichlorobenzene
 Concen: 55.67 ng
 RT: 7.32 min Scan# 370
 Delta R.T. -0.02 min
 Lab File: BF080227.D
 Acq: 30 Jun 2015 3:12

Instrument :
 BNA_F
 ClientSampleId :
 SOILMSD

Tgt Ion:146 Resp: 130009
 Ion Ratio Lower Upper
 146 100
 148 63.9 51.8 77.6
 111 36.4 24.9 37.3

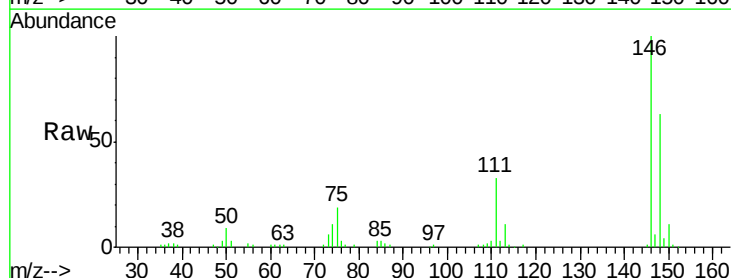


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

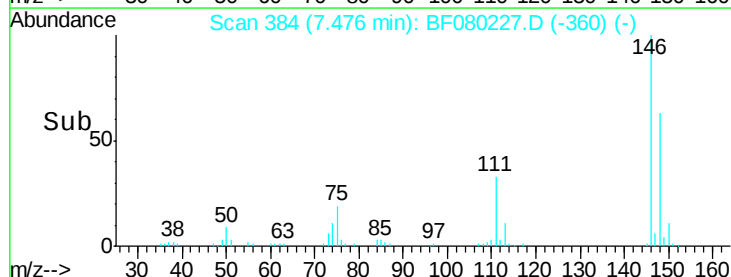
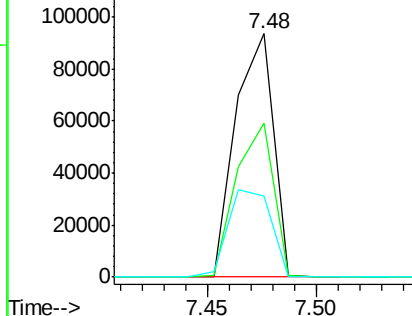


#14
 1,2-Dichlorobenzene
 Concen: 49.64 ng
 RT: 7.48 min Scan# 384
 Delta R.T. -0.02 min
 Lab File: BF080227.D
 Acq: 30 Jun 2015 3:12

Tgt Ion:146 Resp: 112804
 Ion Ratio Lower Upper
 146 100
 148 63.1 52.7 79.1
 111 33.4 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: 48.44 ng

RT: 7.42 min Scan# 379

Delta R.T. -0.02 min

Lab File: BF080227.D

Acq: 30 Jun 2015 3:12

Instrument :

BNA_F

ClientSampleId :

SOILMSD

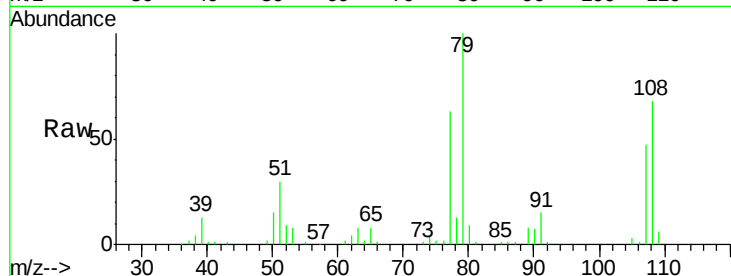
Tgt Ion: 79 Resp: 93226

Ion Ratio Lower Upper

79 100

108 67.8 88.6 132.8#

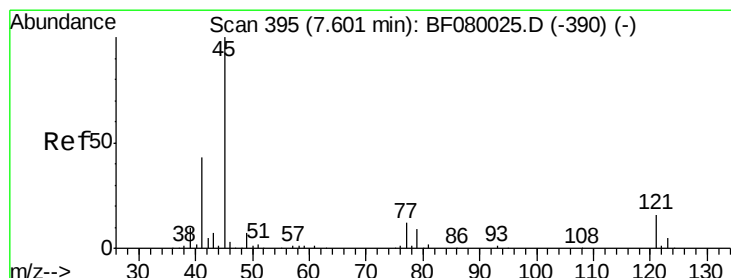
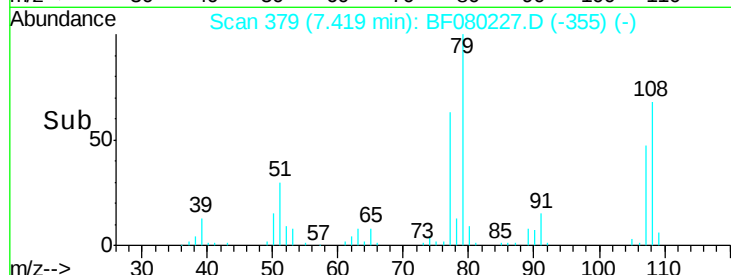
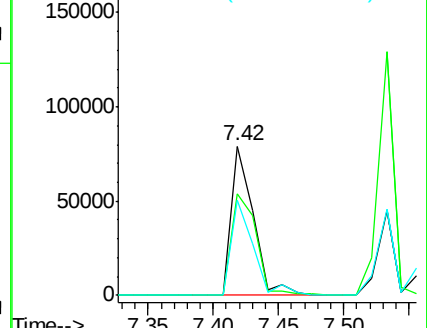
77 63.3 47.0 70.4



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0



#16

2,2'-oxybis(1-Chloropropane)

Concen: 57.90 ng

RT: 7.57 min Scan# 392

Delta R.T. -0.02 min

Lab File: BF080227.D

Acq: 30 Jun 2015 3:12

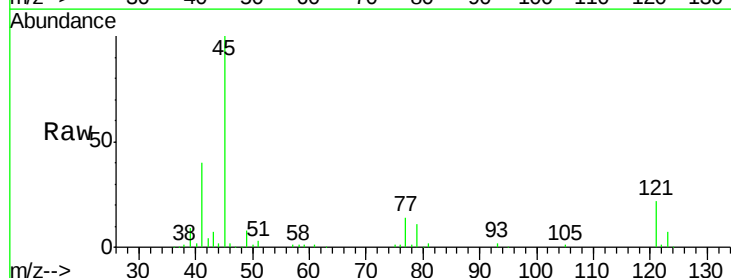
Tgt Ion: 45 Resp: 175137

Ion Ratio Lower Upper

45 100

77 13.8 0.0 28.1

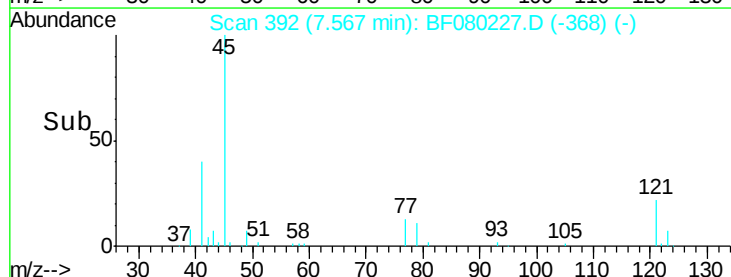
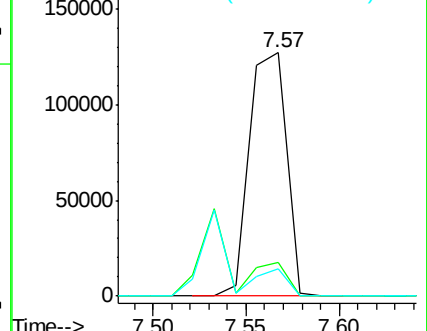
79 11.4 0.0 26.0

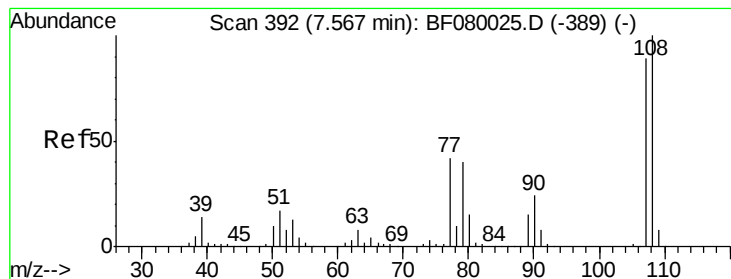


Abundance Ion 45.00 (44.70 to 45.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0

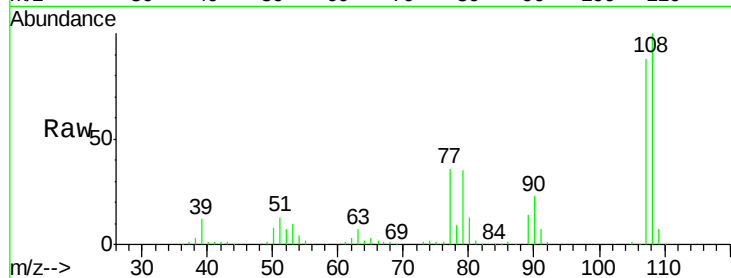




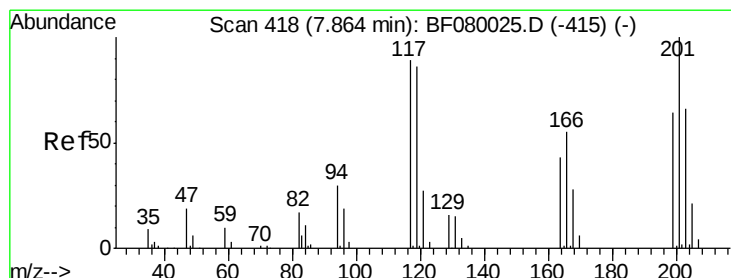
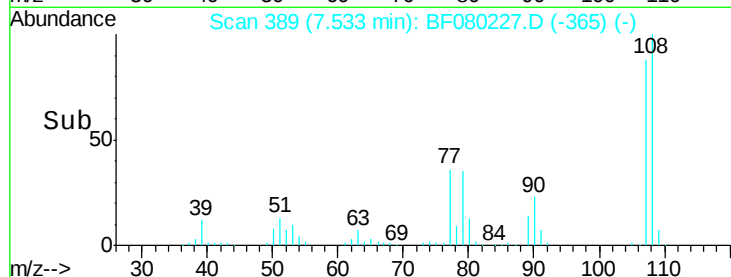
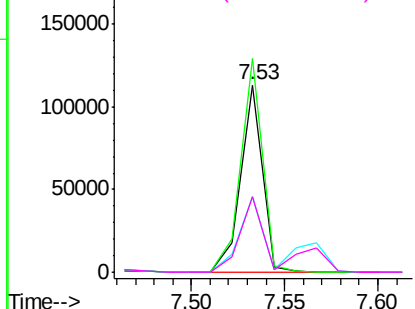
#17
2-Methylphenol
Concen: 52.88 ng
RT: 7.53 min Scan# 389
Delta R.T. -0.02 min
Lab File: BF080227.D
Acq: 30 Jun 2015 3:12

Instrument :
BNA_F
ClientSampleId :
SOILMSD

Tgt Ion:107 Resp: 92343
Ion Ratio Lower Upper
107 100
108 114.0 96.6 145.0
77 40.5 23.3 34.9#
79 40.0 22.0 33.0#

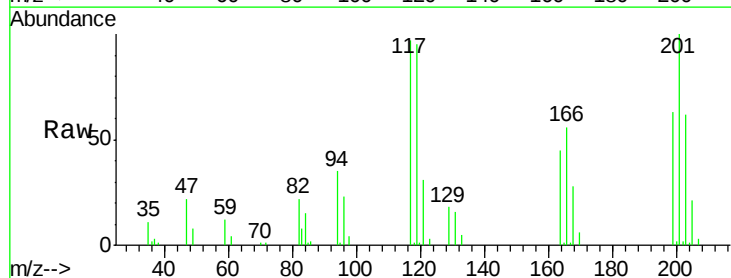


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF0
Ion 79.00 (78.70 to 79.70): BF0

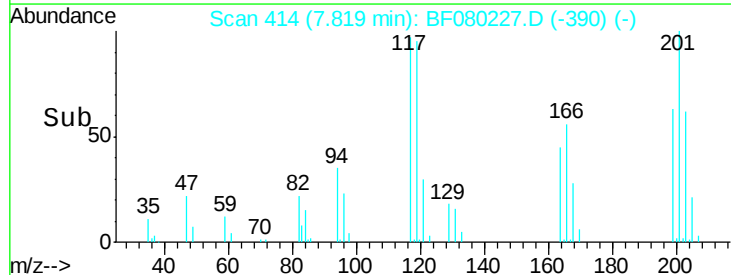
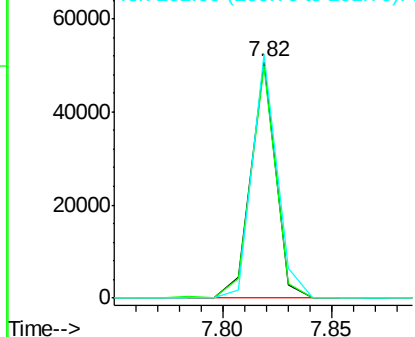


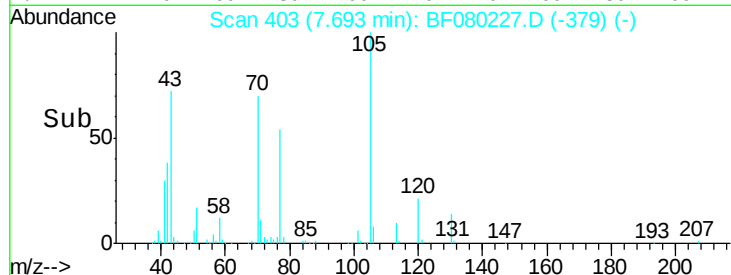
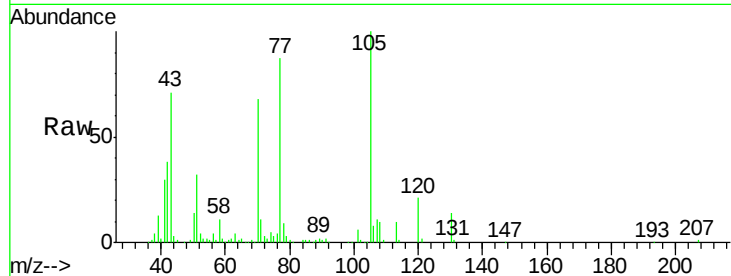
#18
Hexachloroethane
Concen: 51.18 ng
RT: 7.82 min Scan# 414
Delta R.T. -0.02 min
Lab File: BF080227.D
Acq: 30 Jun 2015 3:12

Tgt Ion:117 Resp: 39799
Ion Ratio Lower Upper
117 100
119 98.5 83.8 125.6
201 103.2 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

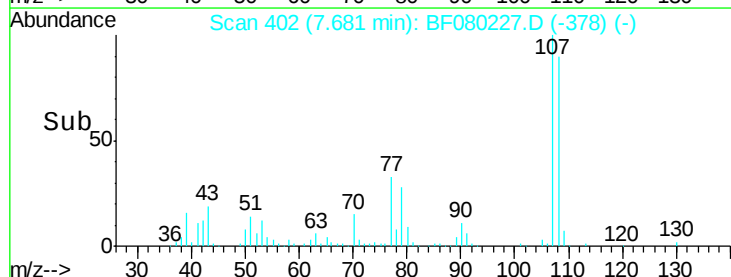
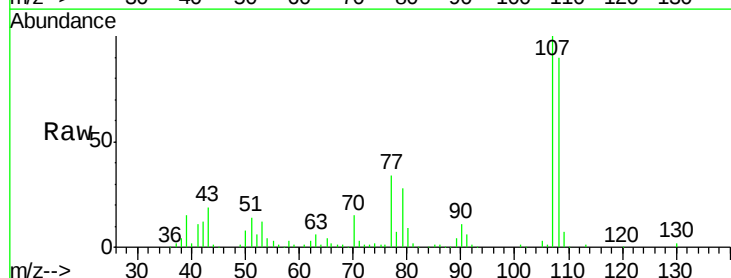
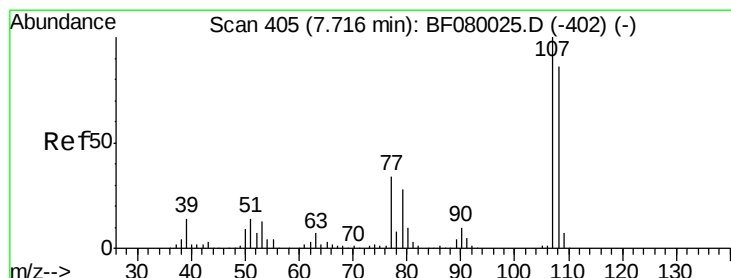
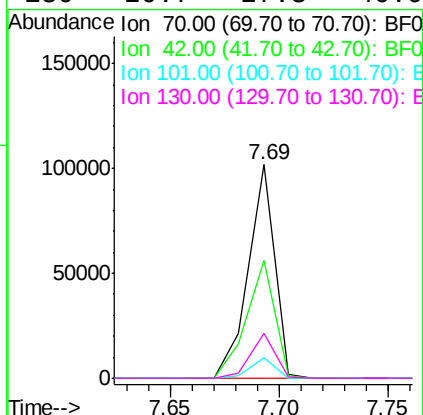




#19
n-Nitroso-di-n-propylamine
Concen: 52.29 ng
RT: 7.69 min Scan# 403
Delta R.T. -0.02 min
Lab File: BF080227.D
Acq: 30 Jun 2015 3:12

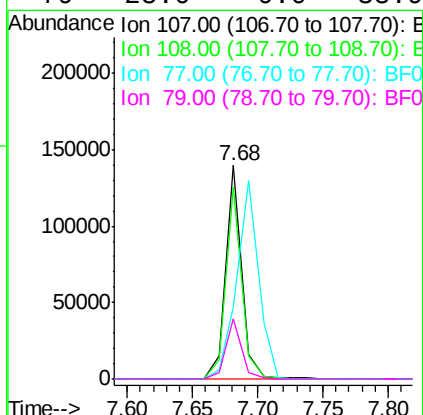
Instrument :
BNA_F
ClientSampleId :
SOILMSD

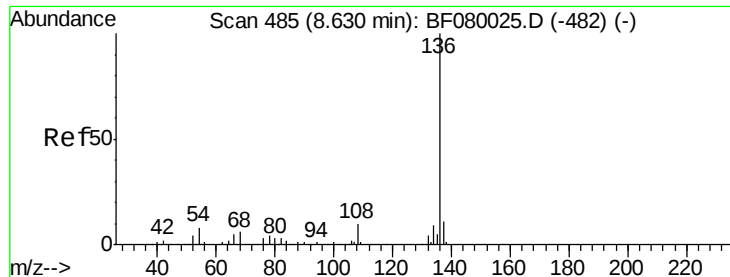
Tgt Ion: 70 Resp: 85438
Ion Ratio Lower Upper
70 100
42 55.1 63.8 95.6#
101 9.3 9.2 13.8
130 20.7 27.3 40.9#



#20
3+4-Methylphenols
Concen: 52.85 ng
RT: 7.68 min Scan# 402
Delta R.T. -0.02 min
Lab File: BF080227.D
Acq: 30 Jun 2015 3:12

Tgt Ion: 107 Resp: 119102
Ion Ratio Lower Upper
107 100
108 90.1 74.6 114.6
77 33.7 0.7 40.7
79 28.0 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: BF080227.D

Acq: 30 Jun 2015 3:12

Instrument :

BNA_F

ClientSampleId :

SOILMSD

Tgt Ion:136 Resp: 119542

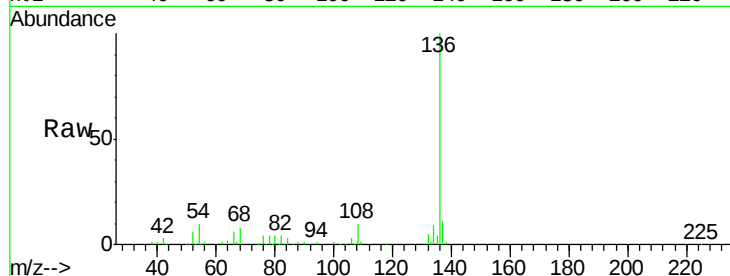
Ion Ratio Lower Upper

136 100

137 10.5 9.0 13.6

54 10.0 8.2 12.2

68 7.6 5.8 8.6

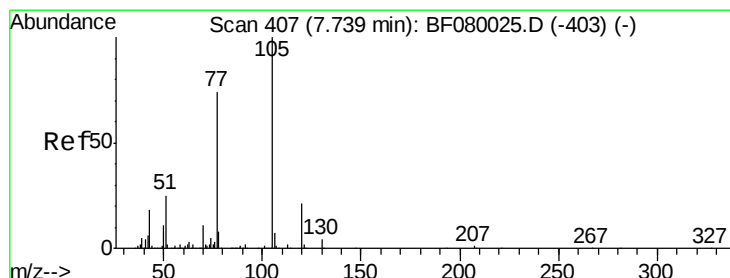
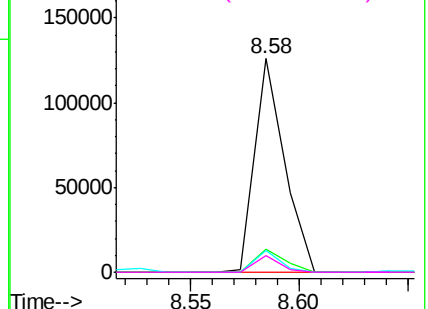
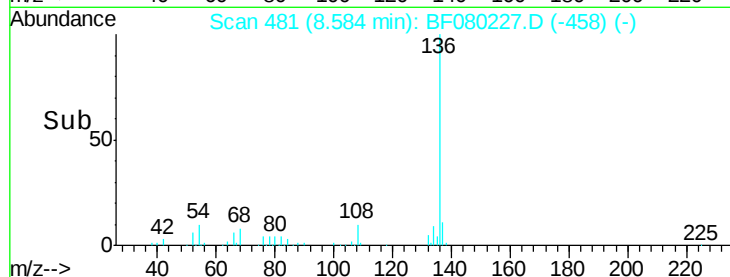


Abundance Ion 136.00 (135.70 to 136.70): E

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: 51.67 ng

RT: 7.69 min Scan# 403

Delta R.T. -0.03 min

Lab File: BF080227.D

Acq: 30 Jun 2015 3:12

Tgt Ion:105 Resp: 143931

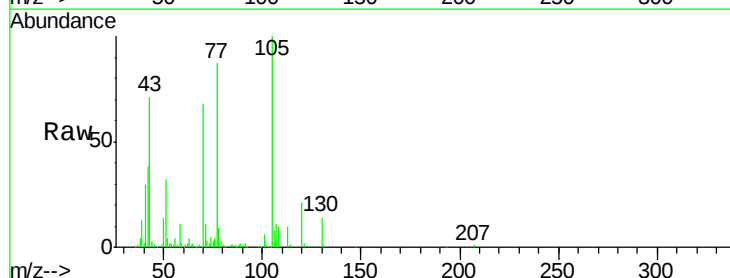
Ion Ratio Lower Upper

105 100

71 11.0 4.7 7.1#

51 32.4 22.0 33.0

120 20.6 30.1 45.1#

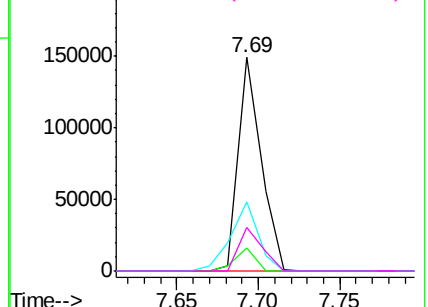
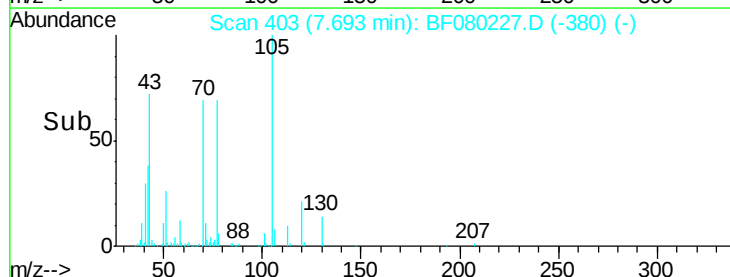


Abundance Ion 105.00 (104.70 to 105.70): E

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

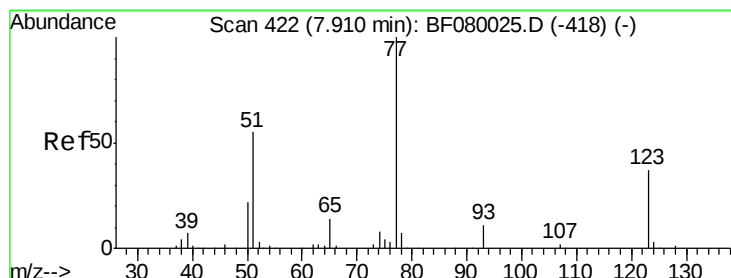
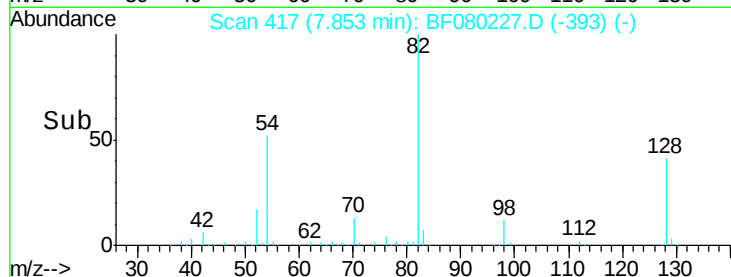
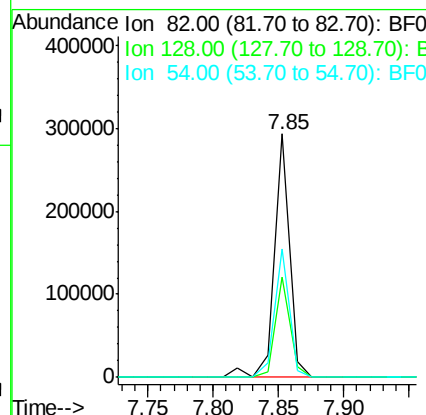
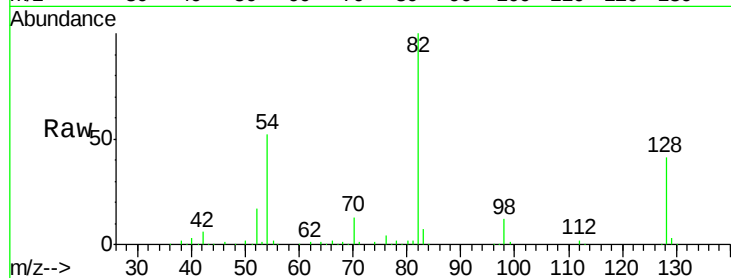




#23
 Nitrobenzene-d5
 Concen: 117.71 ng
 RT: 7.85 min Scan# 417
 Delta R.T. -0.02 min
 Lab File: BF080227.D
 Acq: 30 Jun 2015 3:12

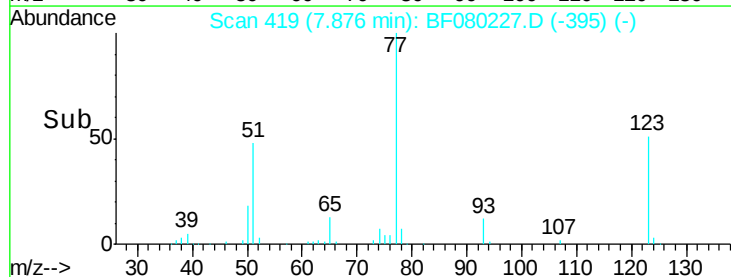
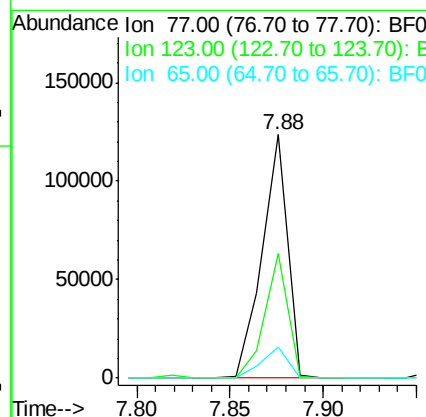
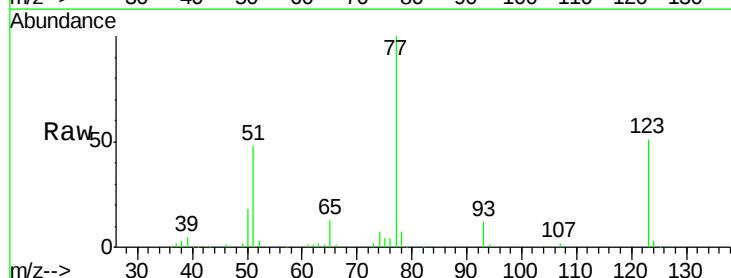
Instrument :
 BNA_F
 ClientSampleId :
 SOILMSD

Tgt Ion: 82 Resp: 241712
 Ion Ratio Lower Upper
 82 100
 128 41.1 51.0 76.6#
 54 52.5 47.5 71.3



#24
 Nitrobenzene
 Concen: 54.76 ng
 RT: 7.88 min Scan# 419
 Delta R.T. -0.02 min
 Lab File: BF080227.D
 Acq: 30 Jun 2015 3:12

Tgt Ion: 77 Resp: 116060
 Ion Ratio Lower Upper
 77 100
 123 51.3 59.8 89.8#
 65 12.6 10.2 15.4





#25

Isophorone

Concen: 48.28 ng

RT: 8.10 min Scan# 439

Delta R.T. -0.03 min

Lab File: BF080227.D

Acq: 30 Jun 2015 3:12

Instrument :

BNA_F

ClientSampleId :

SOILMSD

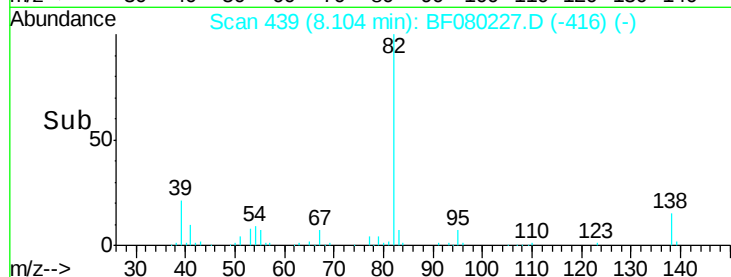
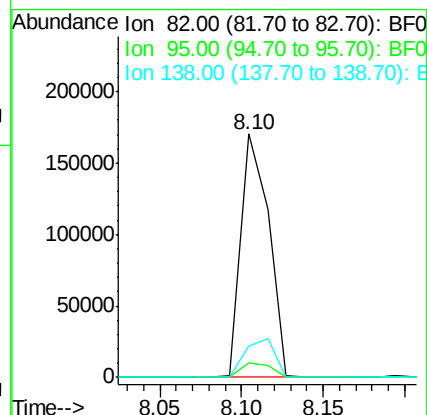
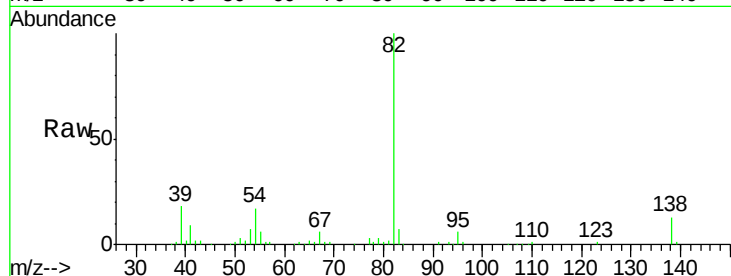
Tgt Ion: 82 Resp: 199505

Ion Ratio Lower Upper

82 100

95 5.9 4.0 6.0

138 12.9 18.3 27.5#



#26

2-Nitrophenol

Concen: 64.14 ng

RT: 8.20 min Scan# 447

Delta R.T. -0.02 min

Lab File: BF080227.D

Acq: 30 Jun 2015 3:12

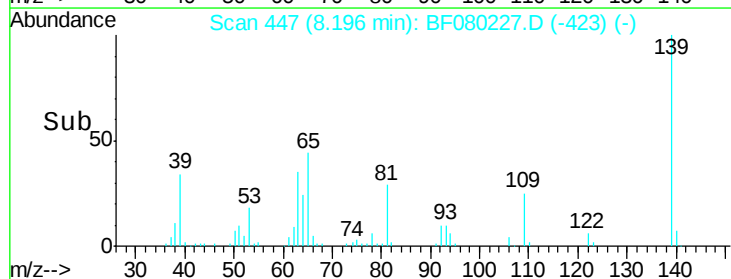
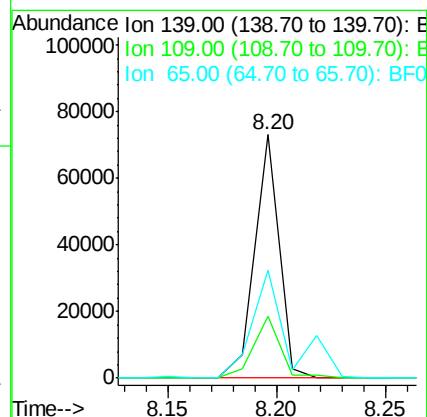
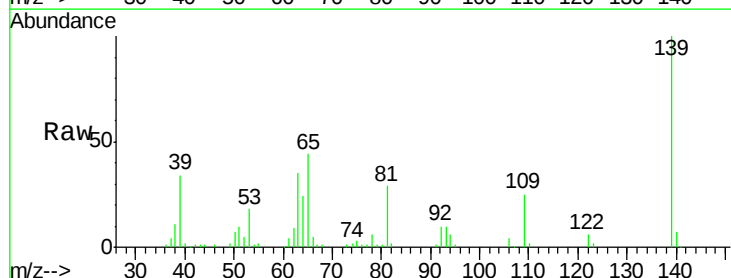
Tgt Ion: 139 Resp: 56898

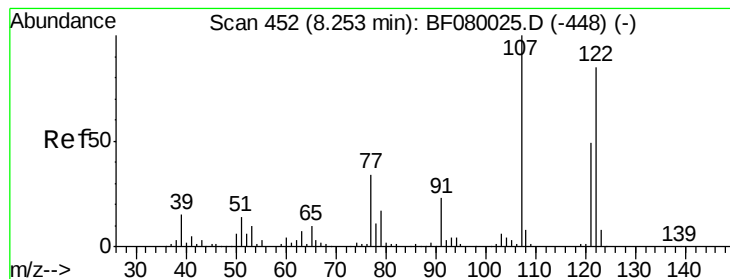
Ion Ratio Lower Upper

139 100

109 25.5 11.0 16.4#

65 44.2 24.7 37.1#





#27

2,4-Dimethylphenol

Concen: 59.65 ng

RT: 8.22 min Scan# 449

Delta R.T. -0.02 min

Lab File: BF080227.D

Acq: 30 Jun 2015 3:12

Instrument :

BNA_F

ClientSampled :

SOILMSD

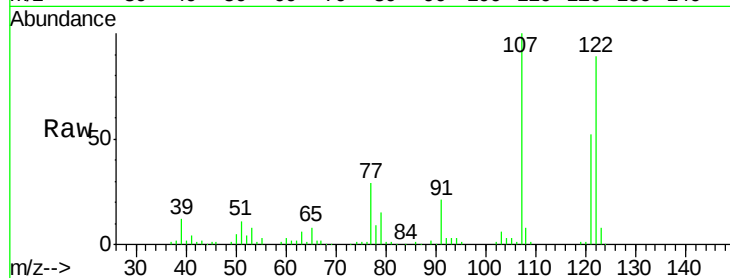
Tgt Ion:122 Resp: 110341

Ion Ratio Lower Upper

122 100

107 113.0 71.8 107.6#

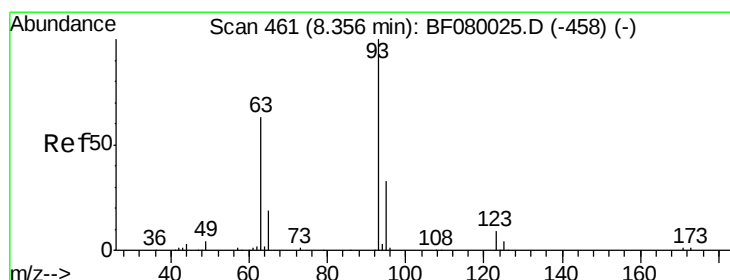
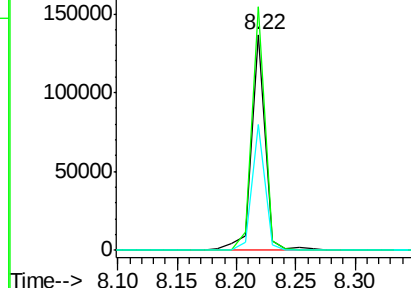
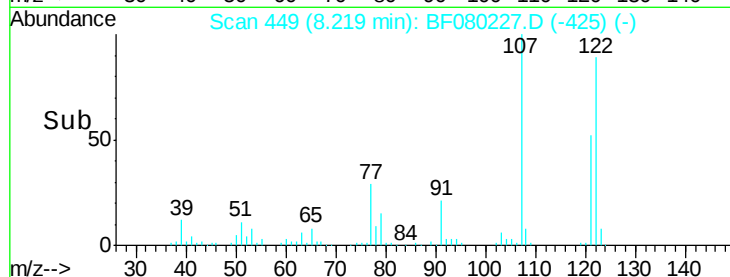
121 58.3 42.3 63.5



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: 51.76 ng

RT: 8.31 min Scan# 457

Delta R.T. -0.02 min

Lab File: BF080227.D

Acq: 30 Jun 2015 3:12

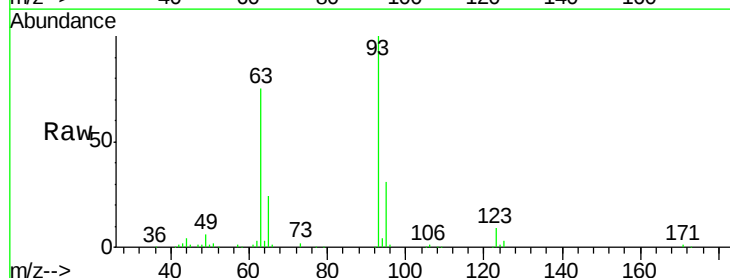
Tgt Ion: 93 Resp: 125672

Ion Ratio Lower Upper

93 100

95 31.4 27.5 41.3

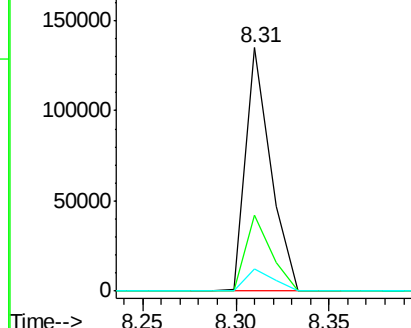
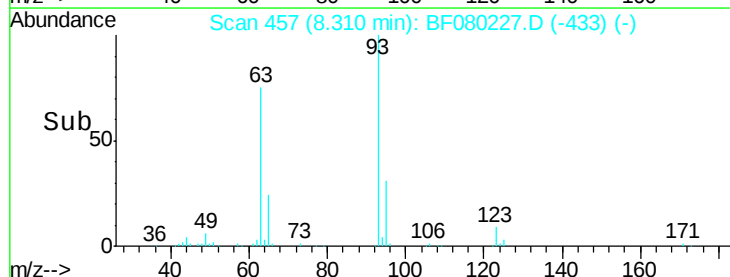
123 9.3 13.7 20.5#

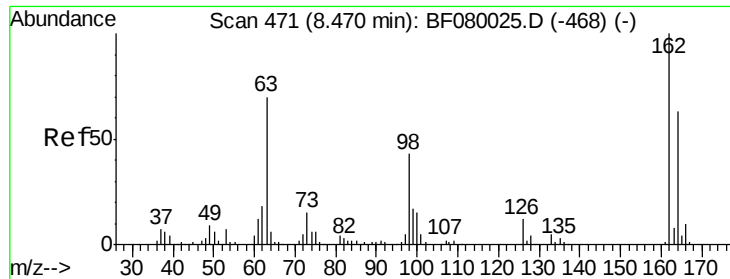


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 123.00 (122.70 to 123.70): E

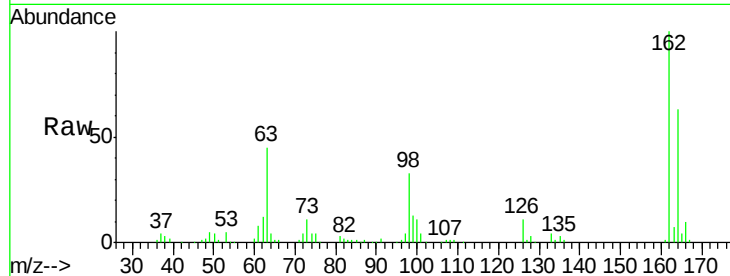




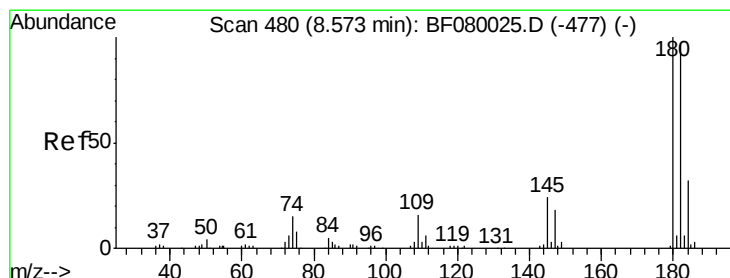
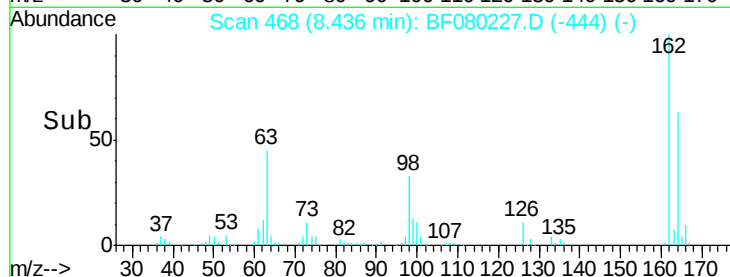
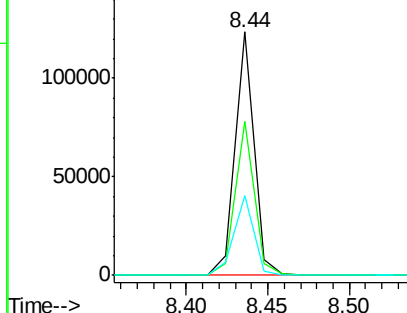
#29
 2,4-Dichlorophenol
 Concen: 62.18 ng
 RT: 8.44 min Scan# 468
 Delta R.T. -0.02 min
 Lab File: BF080227.D
 Acq: 30 Jun 2015 3:12

Instrument :
 BNA_F
 ClientSampleId :
 SOILMSD

Tgt Ion	Resp	Lower	Upper
162	100		
164	63.2	44.9	84.9
98	32.7	13.0	53.0

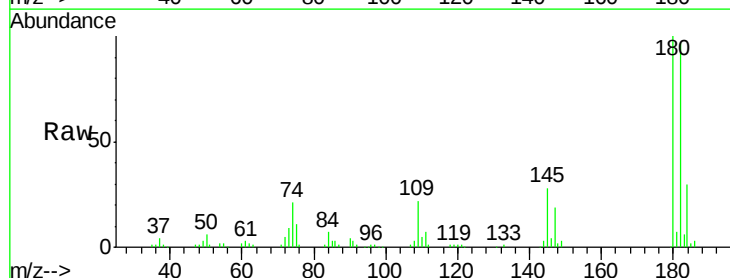


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF0

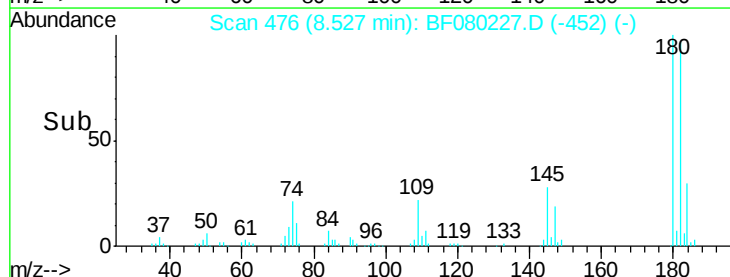
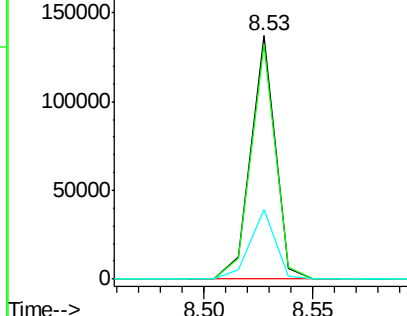


#30
 1,2,4-Trichlorobenzene
 Concen: 59.62 ng
 RT: 8.53 min Scan# 476
 Delta R.T. -0.02 min
 Lab File: BF080227.D
 Acq: 30 Jun 2015 3:12

Tgt Ion	Resp	Lower	Upper
180	100		
182	96.5	77.1	115.7
145	28.4	23.3	34.9



Abundance Ion 180.00 (179.70 to 180.70): E
 Ion 182.00 (181.70 to 182.70): E
 Ion 145.00 (144.70 to 145.70): E

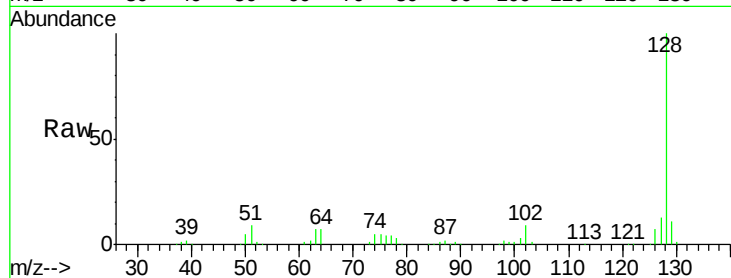




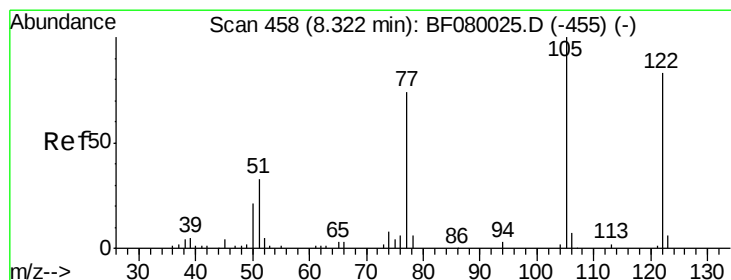
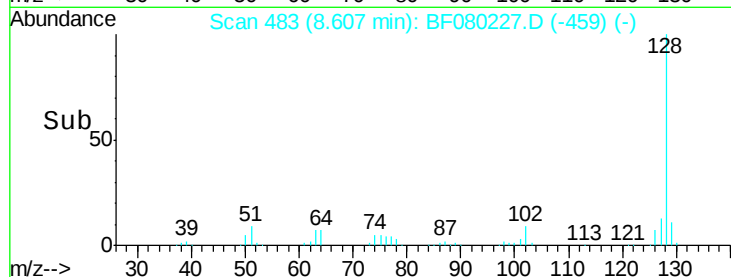
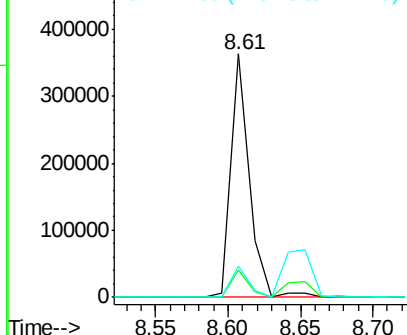
#31
Naphthalene
Concen: 51.24 ng
RT: 8.61 min Scan# 483
Delta R.T. -0.02 min
Lab File: BF080227.D
Acq: 30 Jun 2015 3:12

Instrument :
BNA_F
ClientSampleId :
SOILMSD

Tgt Ion:128 Resp: 320221
Ion Ratio Lower Upper
128 100
129 11.3 8.4 12.6
127 12.8 9.9 14.9

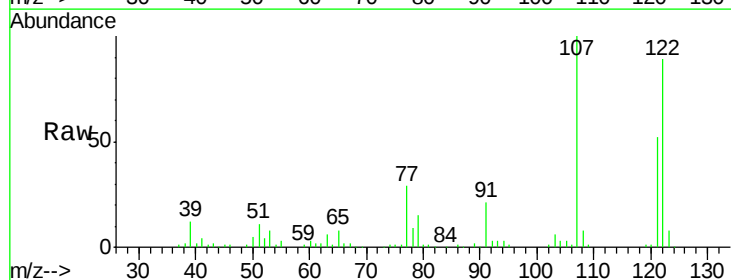


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

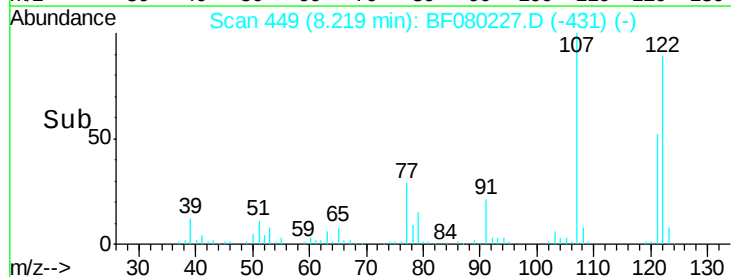
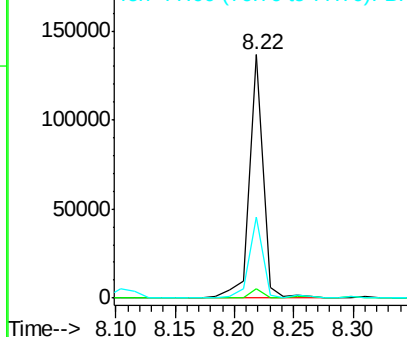


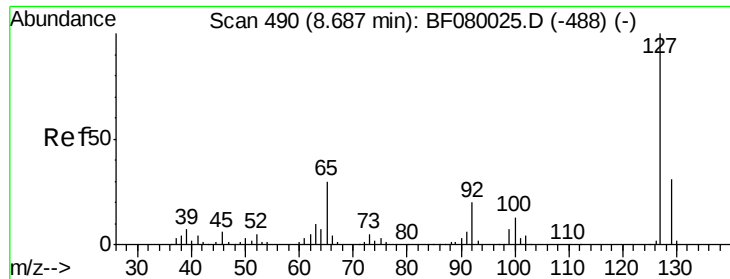
#32
Benzoic acid
Concen: 98.66 ng
RT: 8.22 min Scan# 449
Delta R.T. -0.09 min
Lab File: BF080227.D
Acq: 30 Jun 2015 3:12

Tgt Ion:122 Resp: 110341
Ion Ratio Lower Upper
122 100
105 3.7 76.1 116.1#
77 33.3 40.5 80.5#



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF0

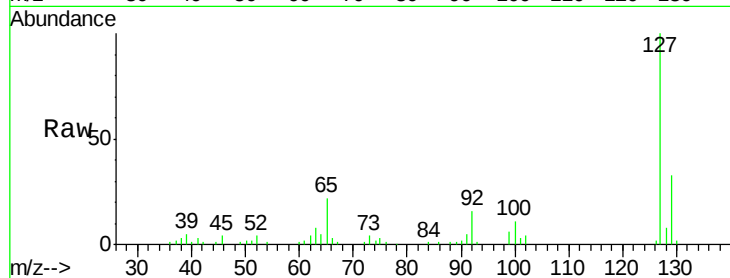




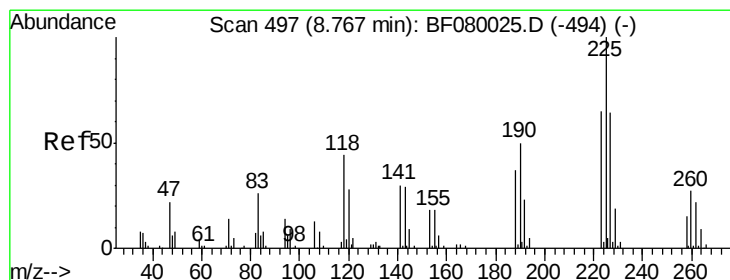
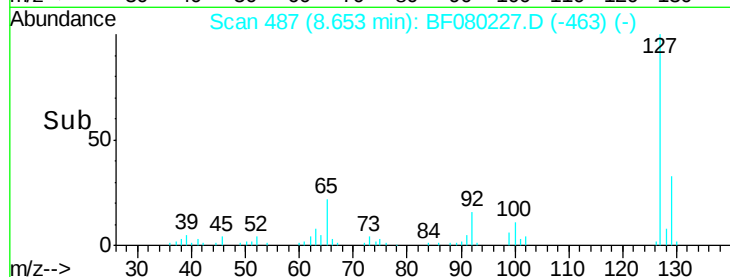
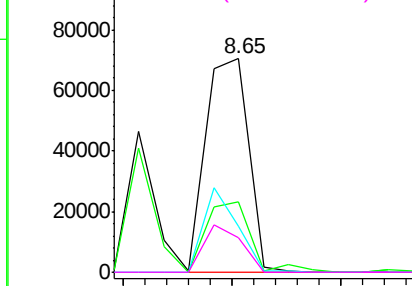
#33
 4-Chloroaniline
 Concen: 35.83 ng
 RT: 8.65 min Scan# 487
 Delta R.T. -0.02 min
 Lab File: BF080227.D
 Acq: 30 Jun 2015 3:12

Instrument :
 BNA_F
 ClientSampleId :
 SOILMSD

Tgt Ion:	127	Resp:	95851
Ion	Ratio	Lower	Upper
127	100		
129	33.1	25.8	38.6
65	21.9	17.9	26.9
92	16.5	10.5	15.7#

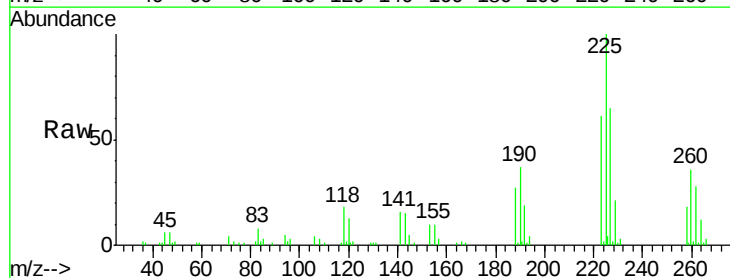


Abundance Ion 127.00 (126.70 to 127.70): E
 Ion 129.00 (128.70 to 129.70): E
 Ion 65.00 (64.70 to 65.70): BF0
 Ion 92.00 (91.70 to 92.70): BF0

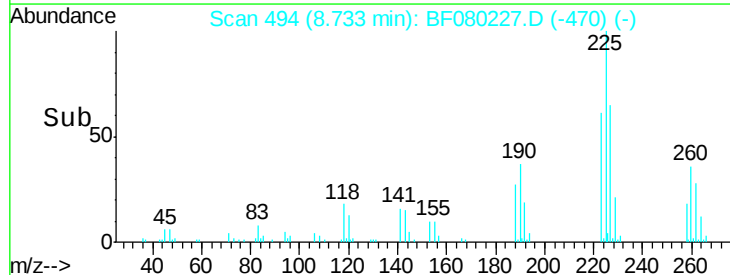
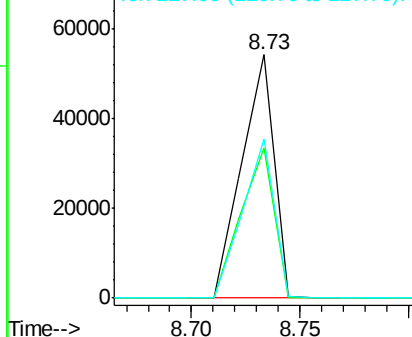


#34
 Hexachlorobutadiene
 Concen: 50.39 ng
 RT: 8.73 min Scan# 494
 Delta R.T. -0.02 min
 Lab File: BF080227.D
 Acq: 30 Jun 2015 3:12

Tgt Ion:	225	Resp:	55824
Ion	Ratio	Lower	Upper
225	100		
223	61.4	50.2	75.2
227	65.4	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

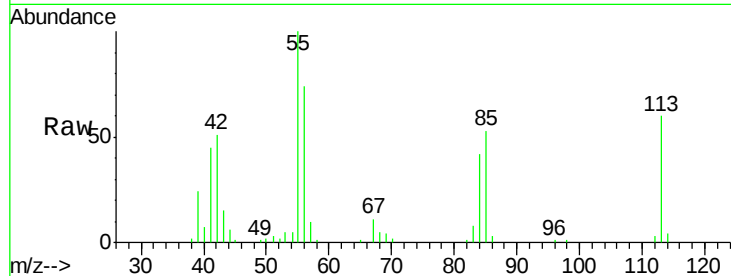




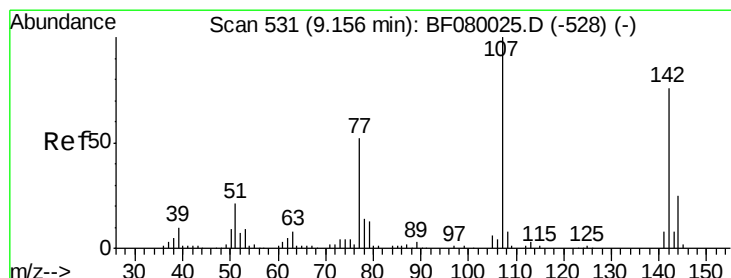
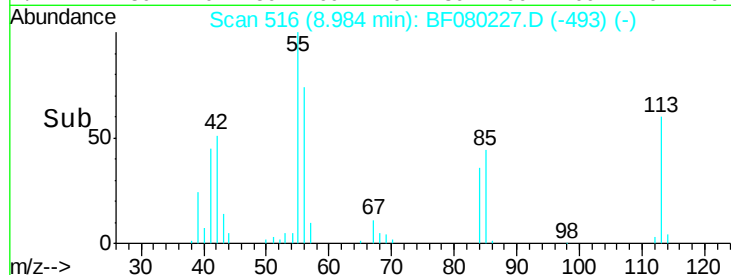
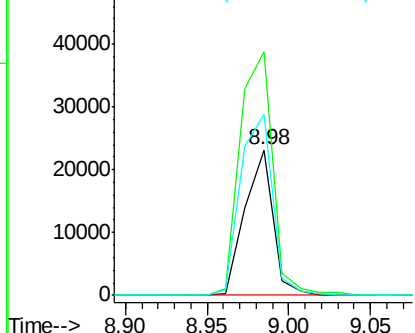
#35
 Caprolactam
 Concen: 53.81 ng
 RT: 8.98 min Scan# 516
 Delta R.T. -0.03 min
 Lab File: BF080227.D
 Acq: 30 Jun 2015 3:12

Instrument :
 BNA_F
 ClientSampleId :
 SOILMSD

Tgt Ion:113 Resp: 27670
 Ion Ratio Lower Upper
 113 100
 55 167.6 152.4 192.4
 56 124.3 104.6 144.6

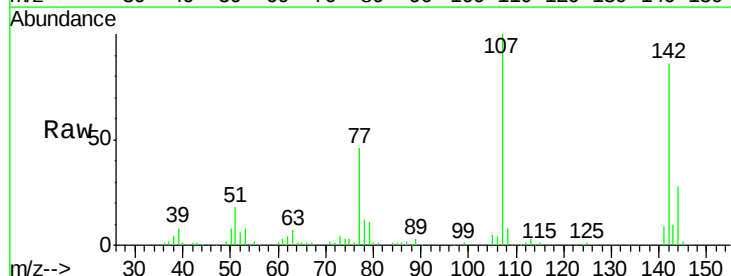


Abundance Ion 113.00 (112.70 to 113.70): E
 Ion 55.00 (54.70 to 55.70): BF0
 Ion 56.00 (55.70 to 56.70): BF0

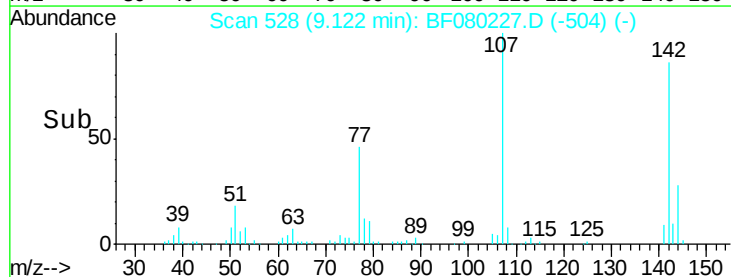
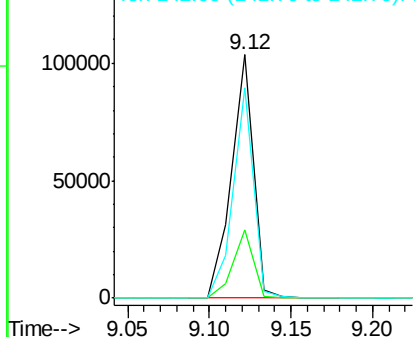


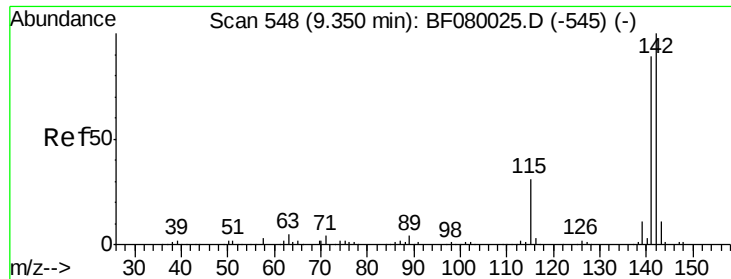
#36
 4-Chloro-3-methylphenol
 Concen: 53.34 ng
 RT: 9.12 min Scan# 528
 Delta R.T. -0.02 min
 Lab File: BF080227.D
 Acq: 30 Jun 2015 3:12

Tgt Ion:107 Resp: 95311
 Ion Ratio Lower Upper
 107 100
 144 28.1 25.4 38.0
 142 86.3 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

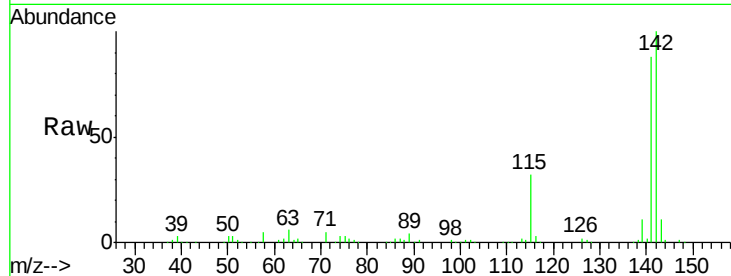




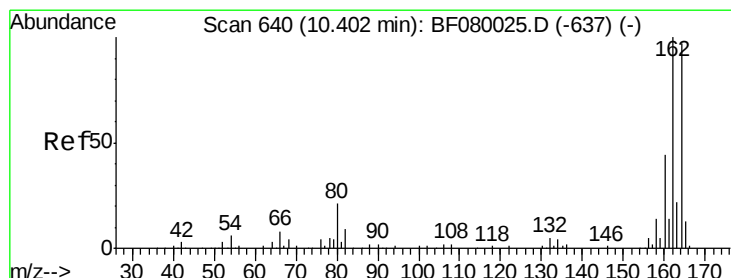
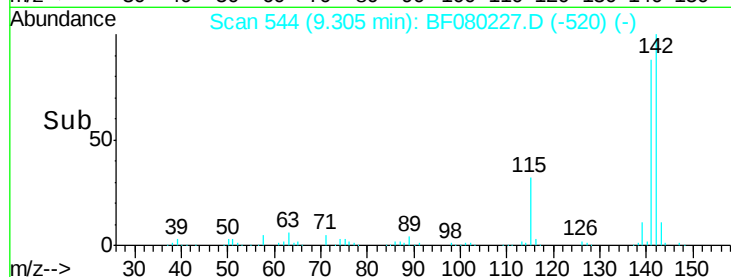
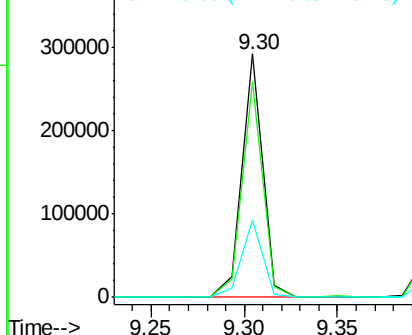
#37
2-Methylnaphthalene
Concen: 56.37 ng
RT: 9.30 min Scan# 544
Delta R.T. -0.02 min
Lab File: BF080227.D
Acq: 30 Jun 2015 3:12

Instrument :
BNA_F
ClientSampleId :
SOILMSD

Tgt Ion:142 Resp: 227879
Ion Ratio Lower Upper
142 100
141 88.3 67.5 101.3
115 31.9 18.2 27.2#

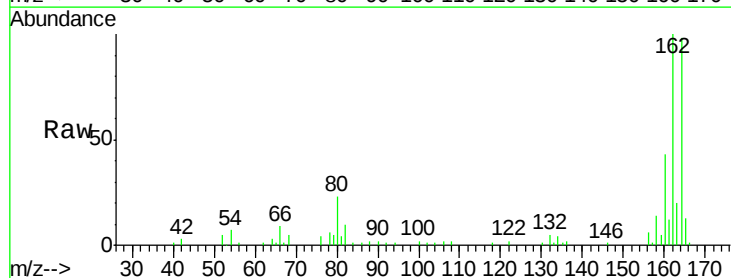


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

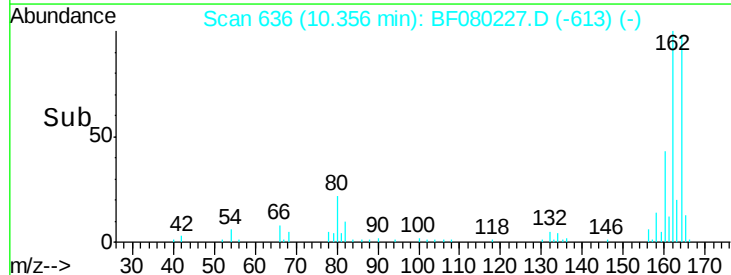
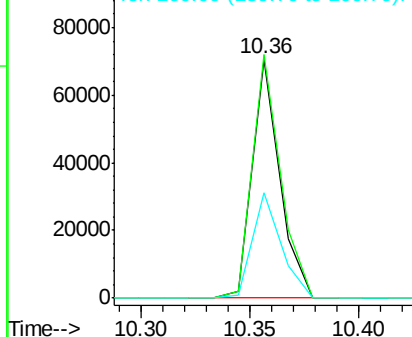


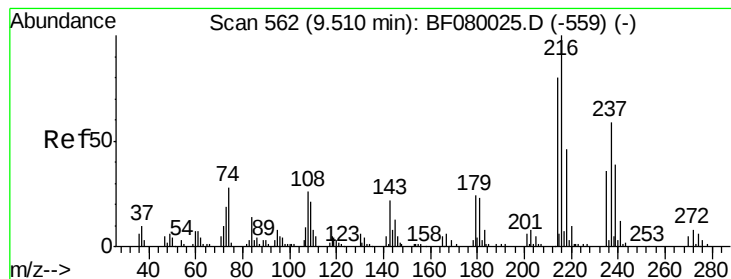
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.36 min Scan# 636
Delta R.T. -0.03 min
Lab File: BF080227.D
Acq: 30 Jun 2015 3:12

Tgt Ion:164 Resp: 61881
Ion Ratio Lower Upper
164 100
162 101.9 75.2 112.8
160 44.3 31.5 47.3



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E





#39

1,2,4,5-Tetrachlorobenzene

Concen: 57.09 ng

RT: 9.48 min Scan# 559

Delta R.T. -0.02 min

Lab File: BF080227.D

Acq: 30 Jun 2015 3:12

Instrument :

BNA_F

ClientSampleId :

SOILMSD

Tgt Ion:216 Resp: 102805

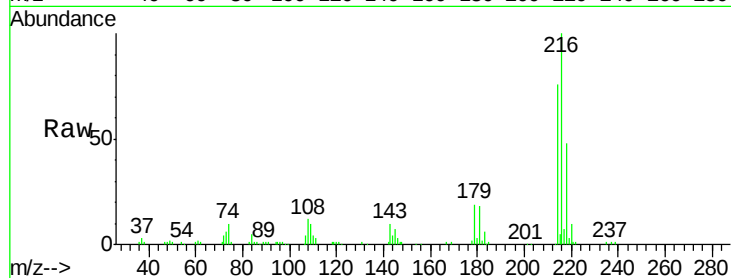
Ion Ratio Lower Upper

216 100

214 77.2 63.5 95.3

179 20.3 16.6 24.8

108 17.5 16.3 24.5

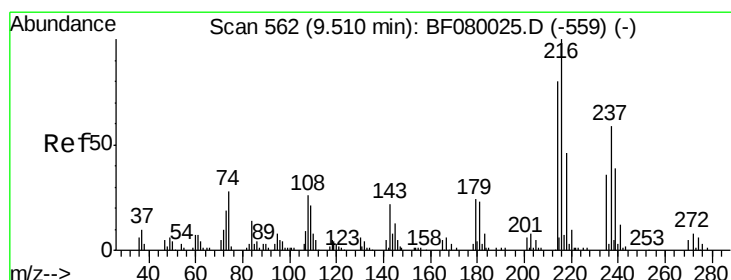
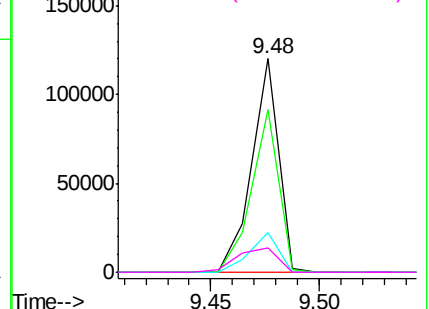
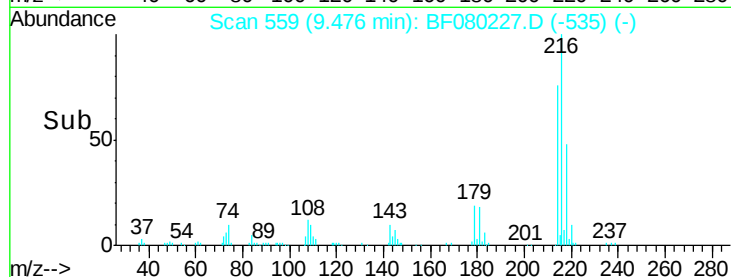


Abundance Ion 216.00 (215.70 to 216.70): E

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: 67.95 ng

RT: 9.46 min Scan# 558

Delta R.T. -0.02 min

Lab File: BF080227.D

Acq: 30 Jun 2015 3:12

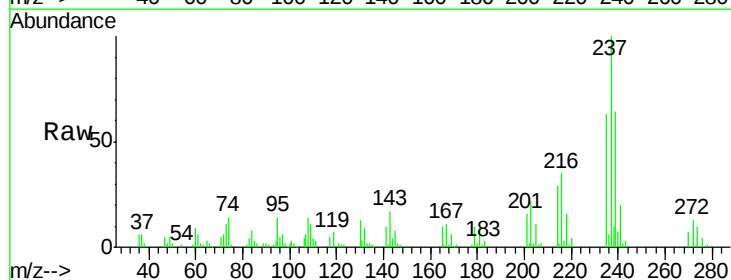
Tgt Ion:237 Resp: 62015

Ion Ratio Lower Upper

237 100

235 63.0 42.0 82.0

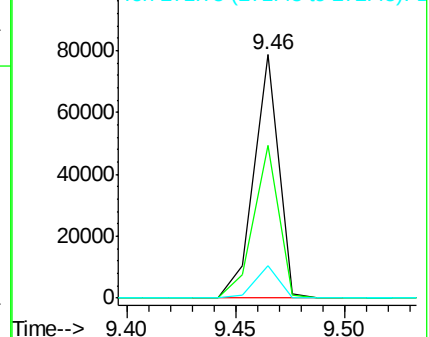
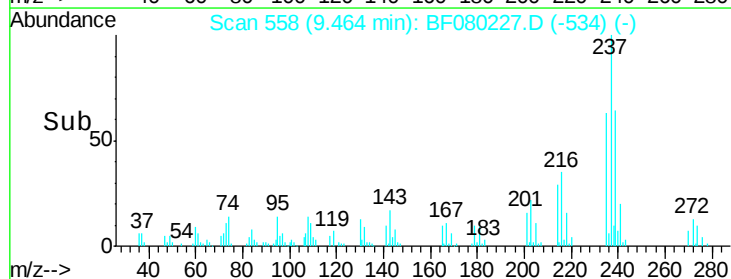
272 13.4 0.0 36.1

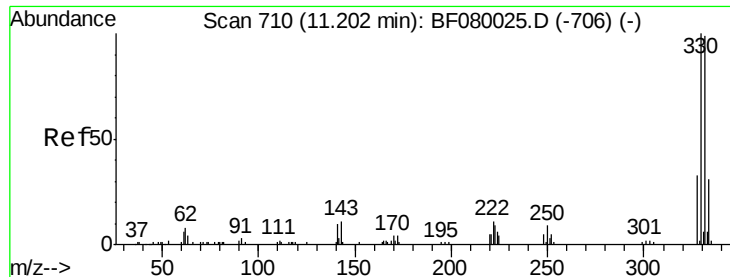


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

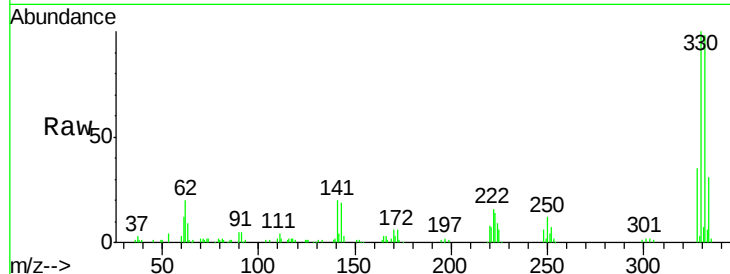




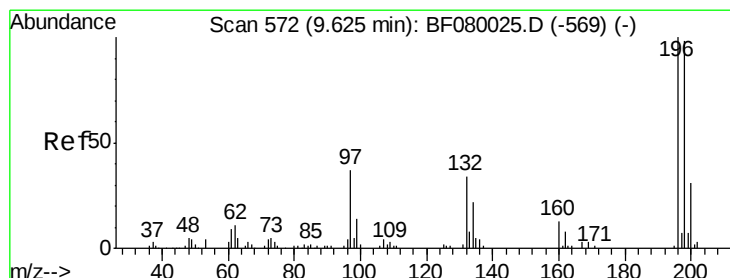
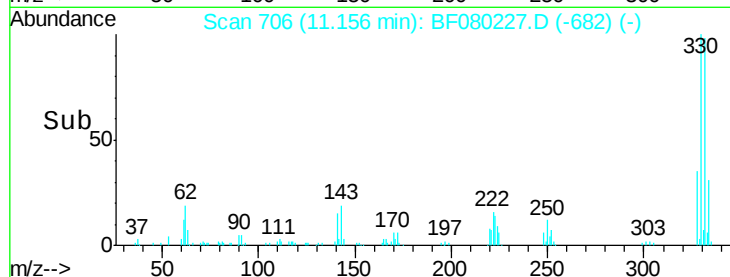
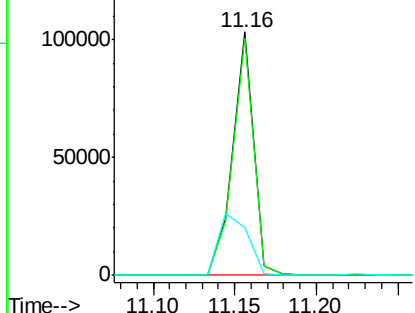
#41
 2,4,6-Tribromophenol
 Concen: 149.82 ng
 RT: 11.16 min Scan# 706
 Delta R.T. -0.02 min
 Lab File: BF080227.D
 Acq: 30 Jun 2015 3:12

Instrument :
 BNA_F
 ClientSampleId :
 SOILMSD

Tgt Ion:330 Resp: 90654
 Ion Ratio Lower Upper
 330 100
 332 97.3 76.6 114.8
 141 35.7 29.7 44.5

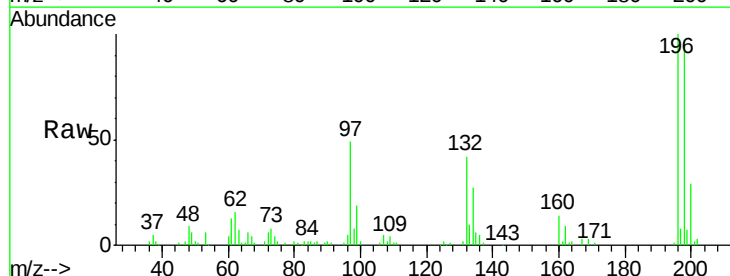


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

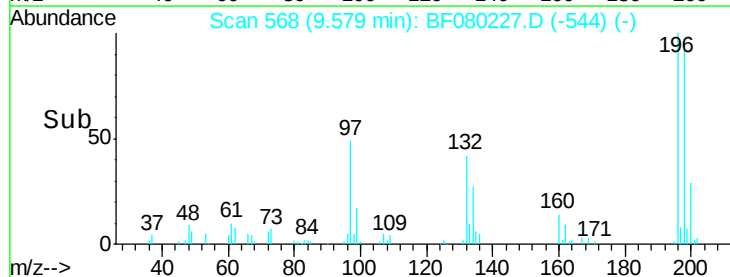
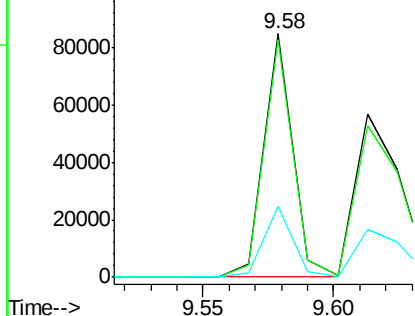


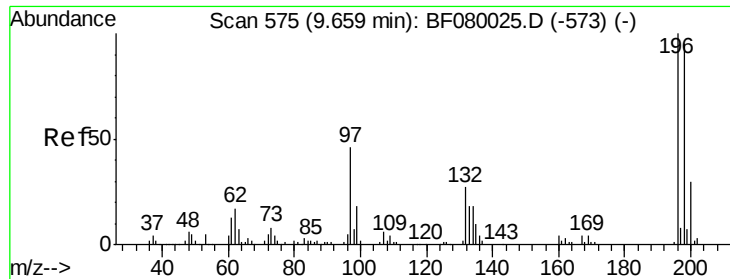
#42
 2,4,6-Trichlorophenol
 Concen: 53.88 ng
 RT: 9.58 min Scan# 568
 Delta R.T. -0.02 min
 Lab File: BF080227.D
 Acq: 30 Jun 2015 3:12

Tgt Ion:196 Resp: 66012
 Ion Ratio Lower Upper
 196 100
 198 97.2 75.7 113.5
 200 29.2 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

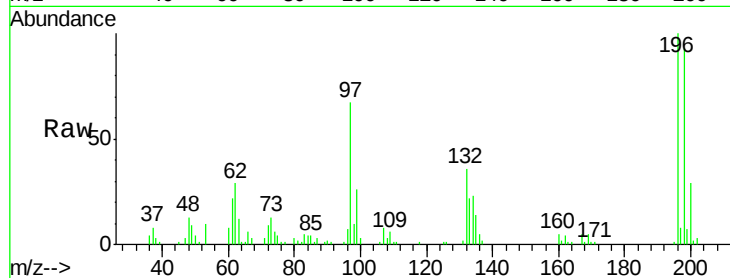




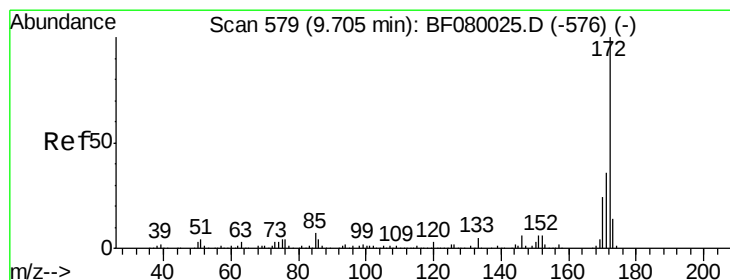
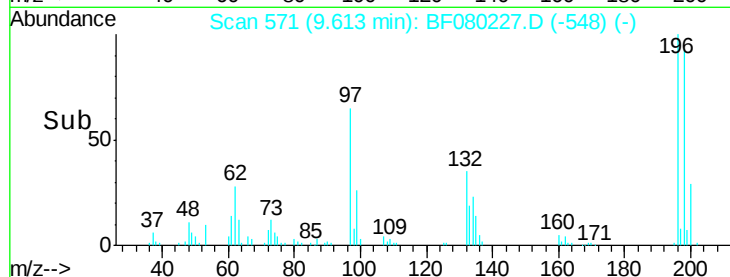
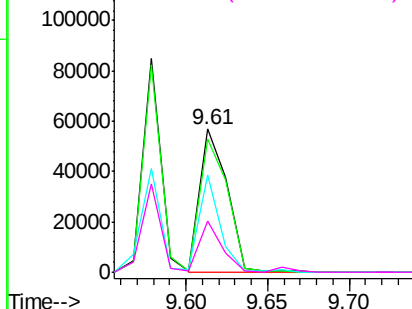
#43
 2,4,5-Trichlorophenol
 Concen: 47.44 ng
 RT: 9.61 min Scan# 571
 Delta R.T. -0.03 min
 Lab File: BF080227.D
 Acq: 30 Jun 2015 3:12

Instrument :
 BNA_F
 ClientSampleId :
 SOILMSD

Tgt Ion:196 Resp: 66968
 Ion Ratio Lower Upper
 196 100
 198 93.0 75.4 113.0
 97 67.5 33.3 49.9#
 132 35.9 24.6 37.0

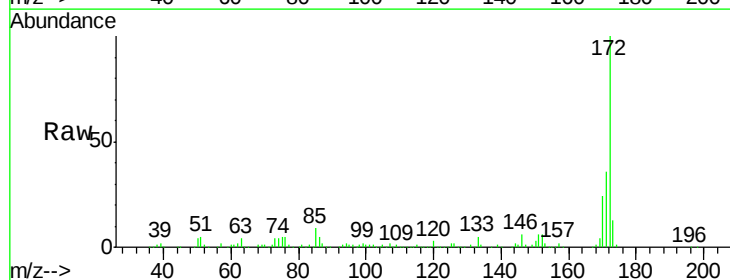


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF0
 Ion 132.00 (131.70 to 132.70): E

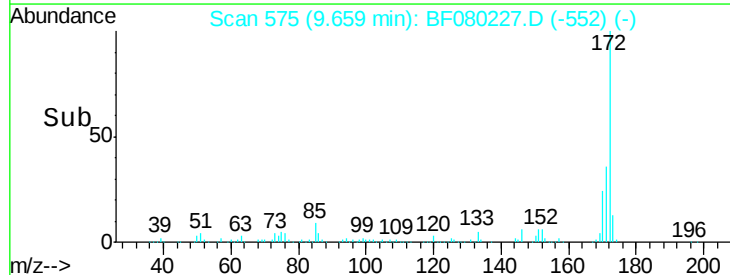
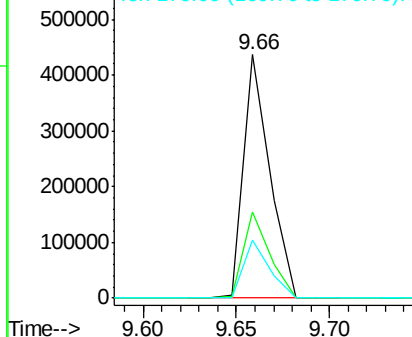


#44
 2-Fluorobiphenyl
 Concen: 97.76 ng
 RT: 9.66 min Scan# 575
 Delta R.T. -0.03 min
 Lab File: BF080227.D
 Acq: 30 Jun 2015 3:12

Tgt Ion:172 Resp: 424212
 Ion Ratio Lower Upper
 172 100
 171 35.7 26.1 39.1
 170 24.0 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

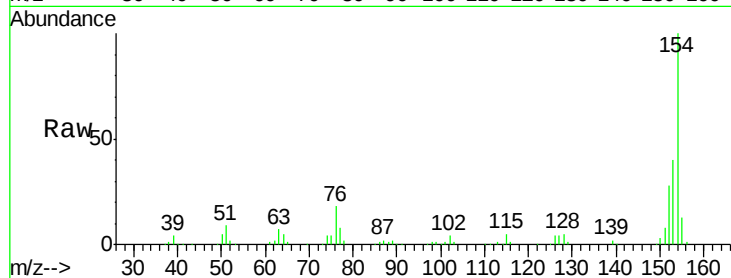




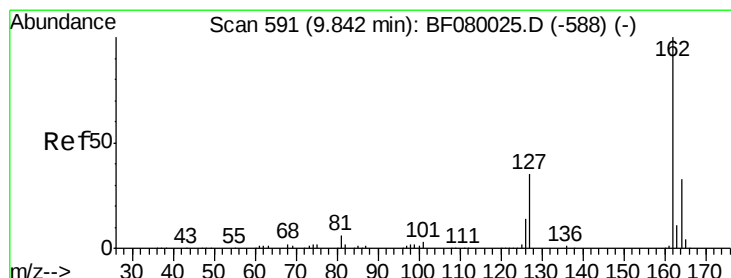
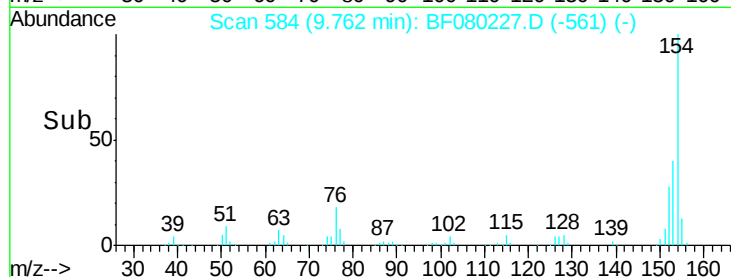
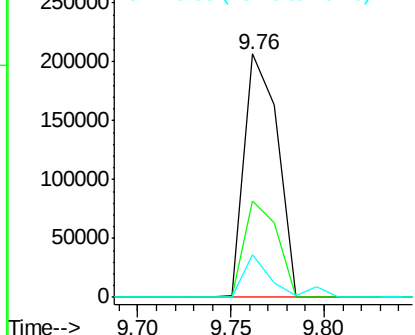
#45
 1,1'-Biphenyl
 Concen: 50.62 ng
 RT: 9.76 min Scan# 584
 Delta R.T. -0.03 min
 Lab File: BF080227.D
 Acq: 30 Jun 2015 3:12

Instrument :
 BNA_F
 ClientSampleId :
 SOILMSD

Tgt Ion	Ratio	Lower	Upper
154	100		
153	39.6	17.1	57.1
76	17.6	0.0	31.6

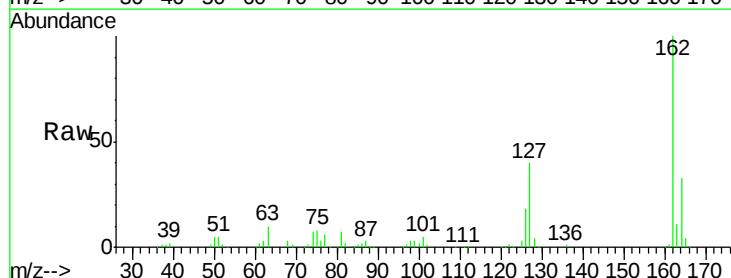


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF0

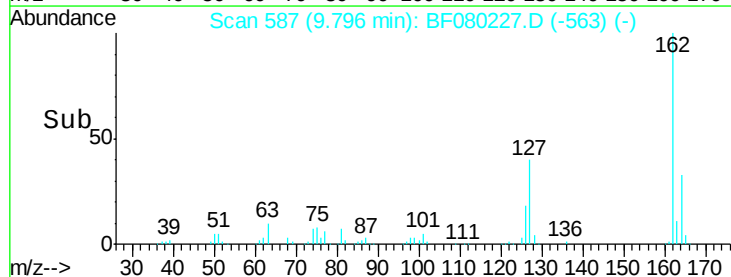
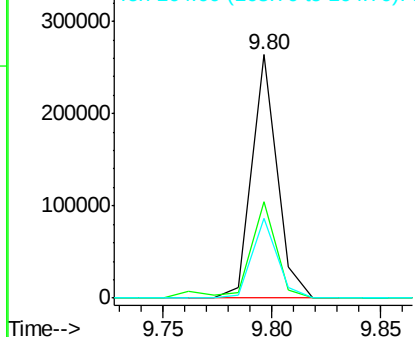


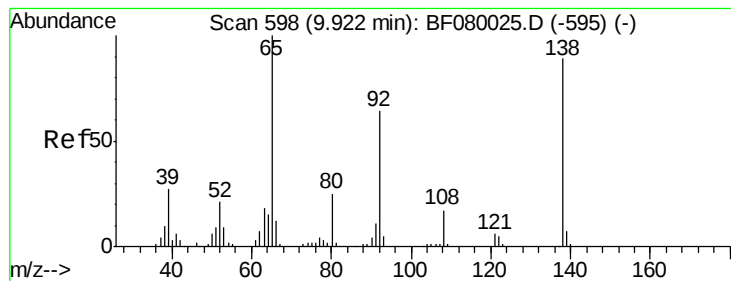
#46
 2-Chloronaphthalene
 Concen: 51.76 ng
 RT: 9.80 min Scan# 587
 Delta R.T. -0.02 min
 Lab File: BF080227.D
 Acq: 30 Jun 2015 3:12

Tgt Ion	Ratio	Lower	Upper
162	100		
127	39.9	27.6	41.4
164	32.5	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: 52.45 ng

RT: 9.88 min Scan# 594

Delta R.T. -0.03 min

Lab File: BF080227.D

Acq: 30 Jun 2015 3:12

Instrument :

BNA_F

ClientSampleId :

SOILMSD

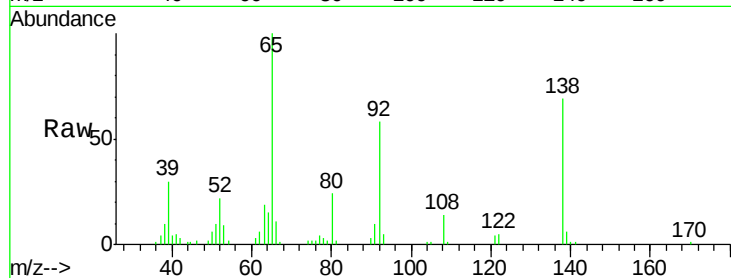
Tgt Ion: 65 Resp: 58816

Ion Ratio Lower Upper

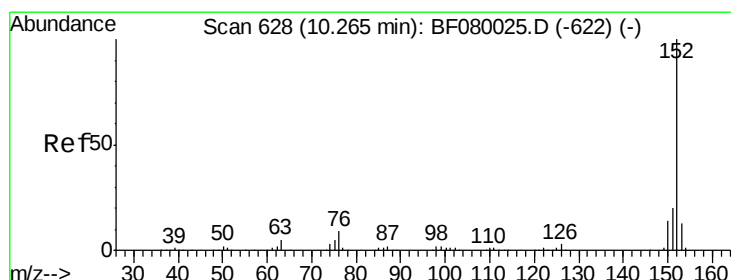
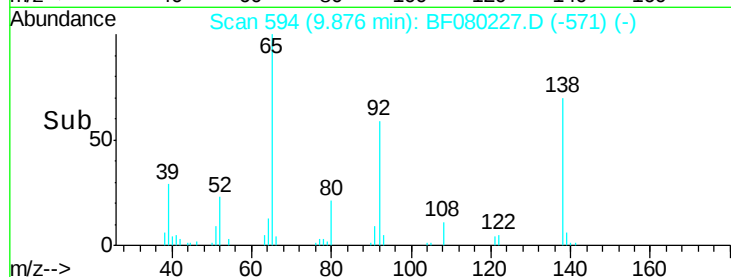
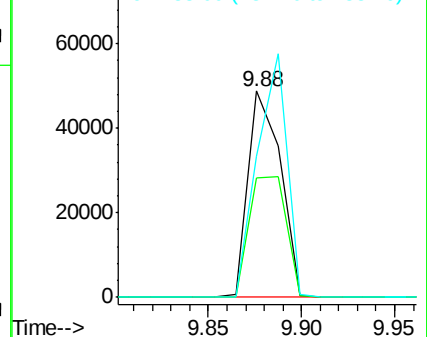
65 100

92 58.0 55.4 83.0

138 68.8 115.5 173.3#



Abundance Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0
Ion 138.00 (137.70 to 138.70): E



#48

Acenaphthylene

Concen: 51.96 ng

RT: 10.22 min Scan# 624

Delta R.T. -0.02 min

Lab File: BF080227.D

Acq: 30 Jun 2015 3:12

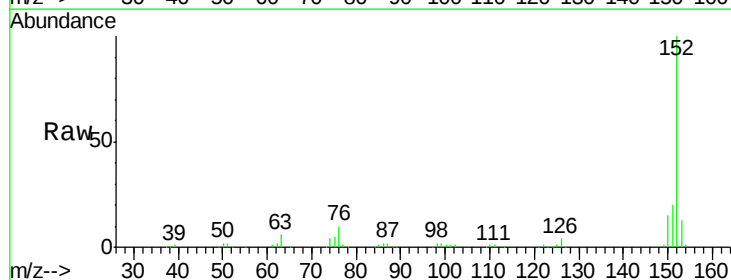
Tgt Ion: 152 Resp: 354276

Ion Ratio Lower Upper

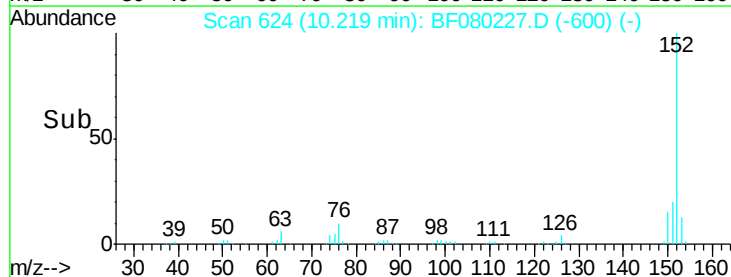
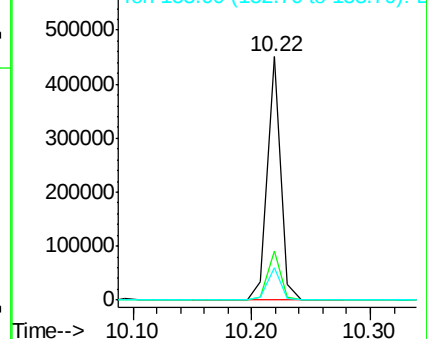
152 100

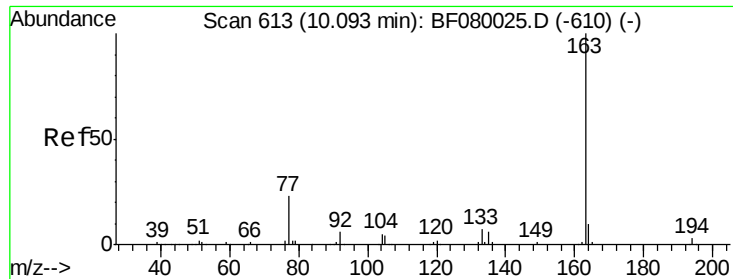
151 20.3 14.6 22.0

153 13.5 10.3 15.5



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E

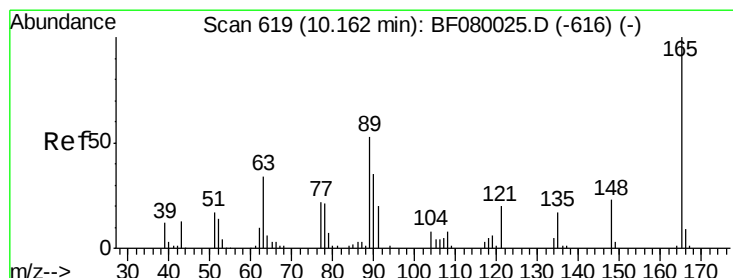
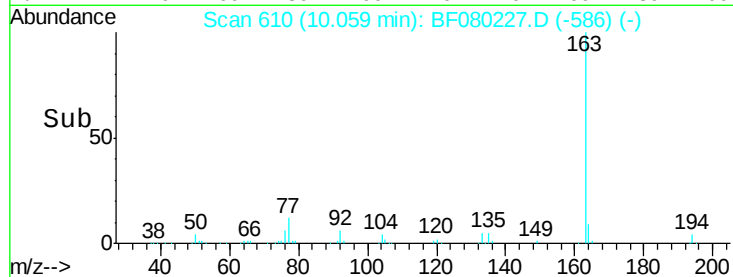
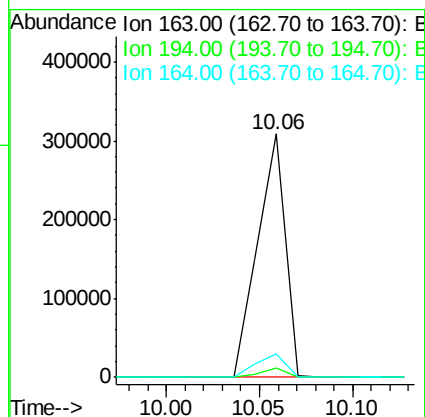
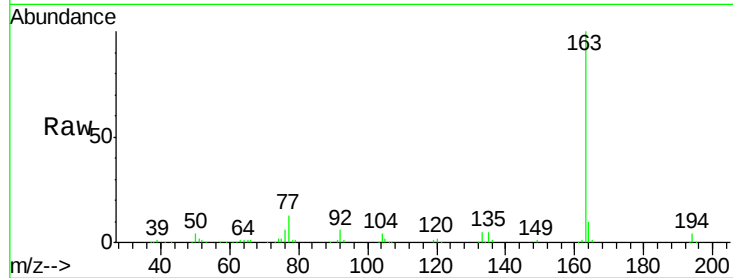




#49
Dimethylphthalate
Concen: 67.76 ng
RT: 10.06 min Scan# 610
Delta R.T. -0.02 min
Lab File: BF080227.D
Acq: 30 Jun 2015 3:12

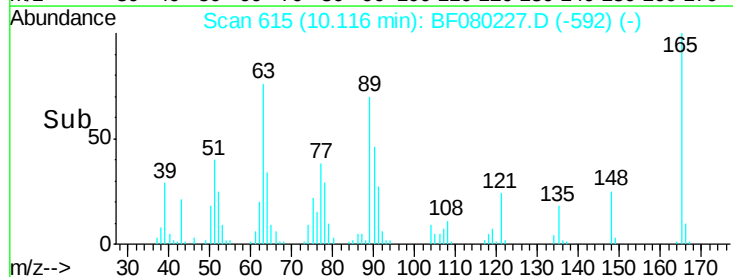
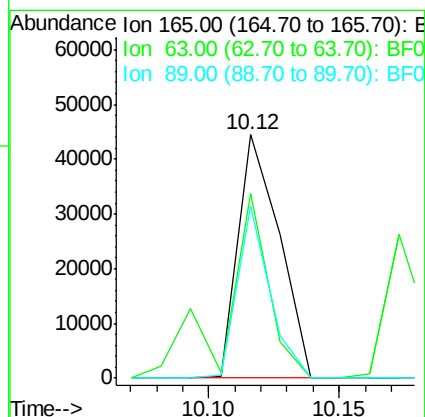
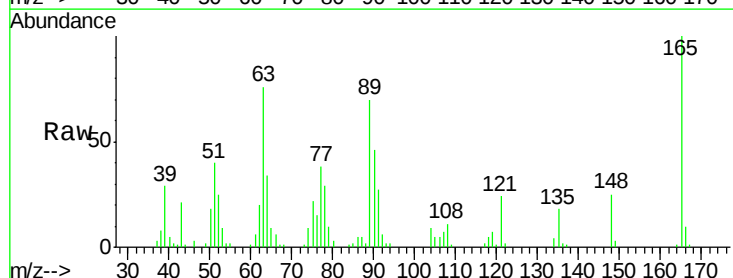
Instrument :
BNA_F
ClientSampleId :
SOILMSD

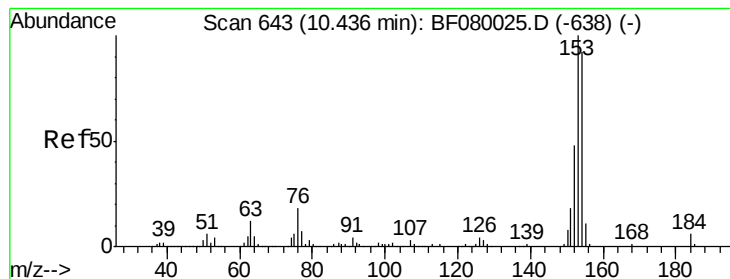
Tgt Ion:163 Resp: 315237
Ion Ratio Lower Upper
163 100
194 3.9 4.4 6.6#
164 9.8 8.3 12.5



#50
2,6-Dinitrotoluene
Concen: 52.36 ng
RT: 10.12 min Scan# 615
Delta R.T. -0.03 min
Lab File: BF080227.D
Acq: 30 Jun 2015 3:12

Tgt Ion:165 Resp: 48830
Ion Ratio Lower Upper
165 100
63 75.6 32.3 48.5#
89 70.5 28.6 43.0#





#51

Acenaphthene

Concen: 48.54 ng

RT: 10.39 min Scan# 639

Delta R.T. -0.03 min

Lab File: BF080227.D

Acq: 30 Jun 2015 3:12

Instrument :

BNA_F

ClientSampleId :

SOILMSD

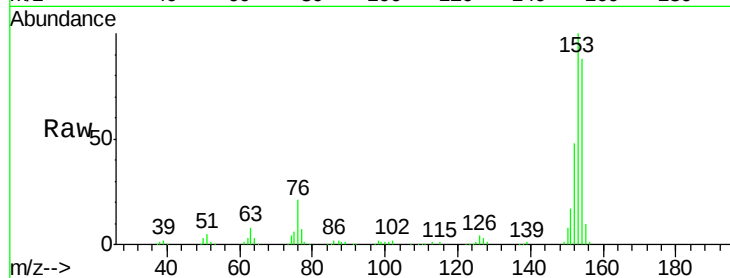
Tgt Ion:154 Resp: 202468

Ion Ratio Lower Upper

154 100

153 113.2 82.1 123.1

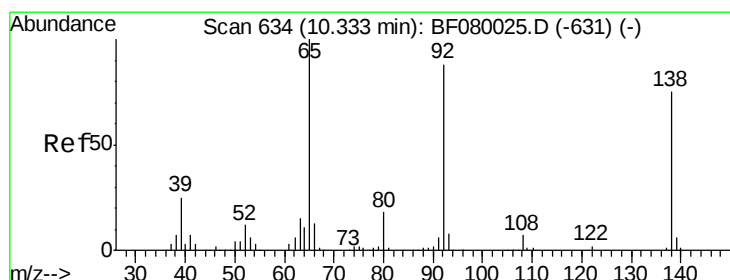
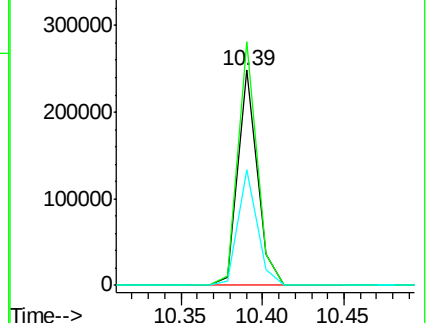
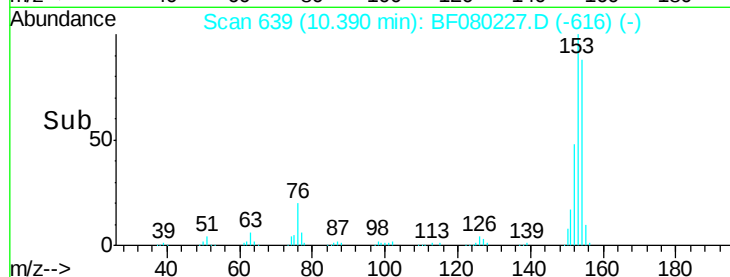
152 54.1 37.9 56.9



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: 46.50 ng

RT: 10.29 min Scan# 630

Delta R.T. -0.03 min

Lab File: BF080227.D

Acq: 30 Jun 2015 3:12

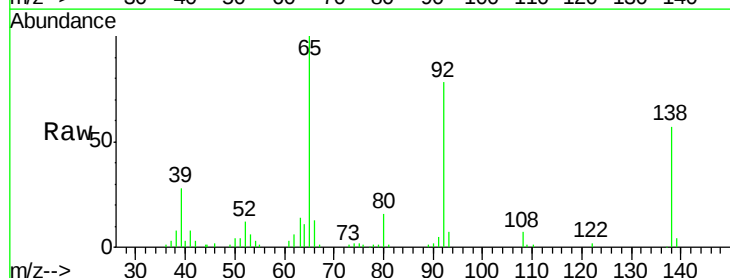
Tgt Ion:138 Resp: 50042

Ion Ratio Lower Upper

138 100

108 12.1 5.7 8.5#

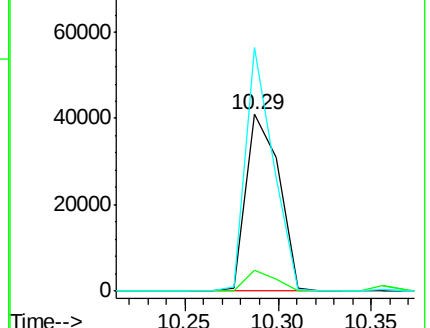
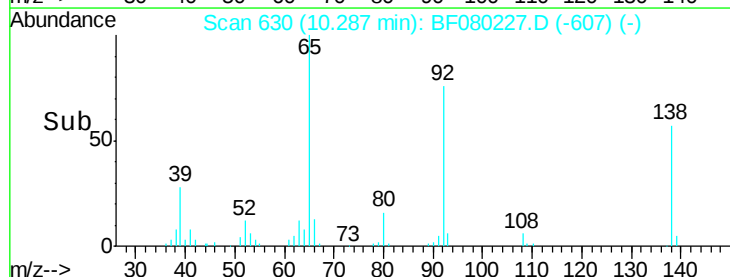
92 137.7 67.7 101.5#

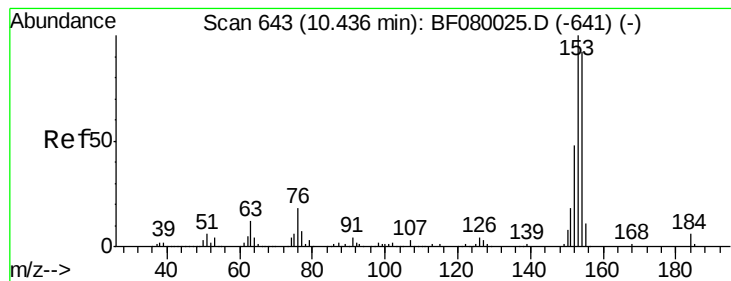


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0





#53

2,4-Dinitrophenol

Concen: 21.32 ng

RT: 10.40 min Scan# 640

Delta R.T. -0.02 min

Lab File: BF080227.D

Acq: 30 Jun 2015 3:12

Instrument :

BNA_F

ClientSampleId :

SOILMSD

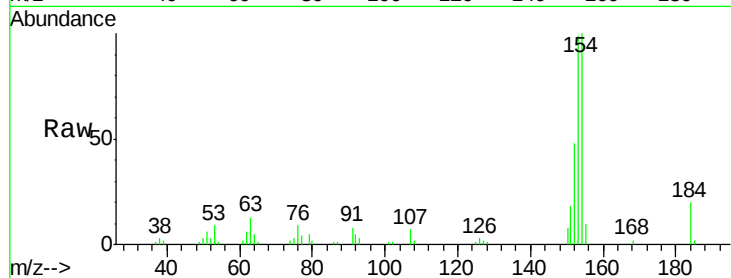
Tgt Ion:184 Resp: 6341

Ion Ratio Lower Upper

184 100

63 65.6 35.4 53.2#

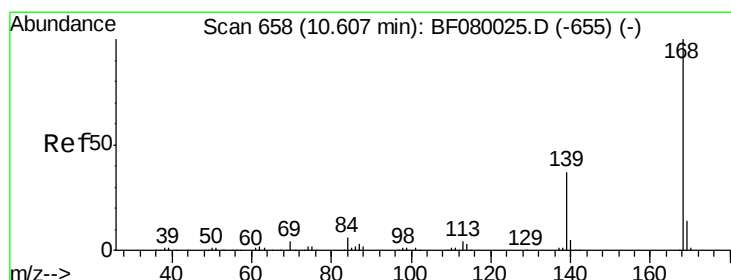
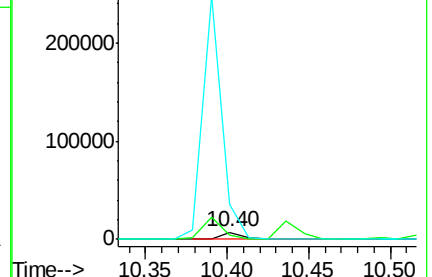
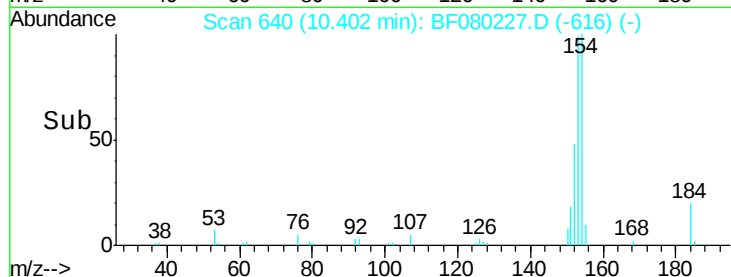
154 492.9 32.2 48.4#



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: 51.63 ng

RT: 10.56 min Scan# 654

Delta R.T. -0.03 min

Lab File: BF080227.D

Acq: 30 Jun 2015 3:12

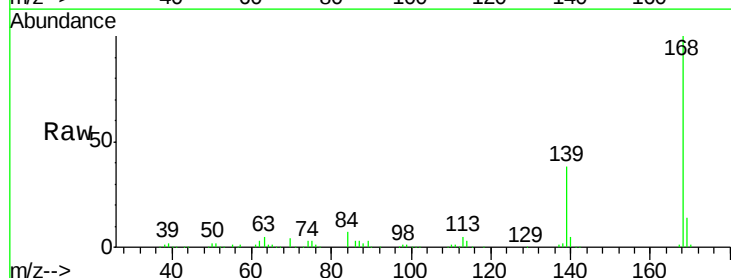
Tgt Ion:168 Resp: 305607

Ion Ratio Lower Upper

168 100

139 38.3 24.2 36.2#

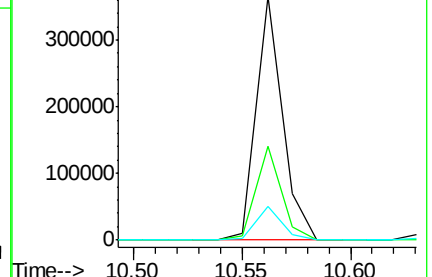
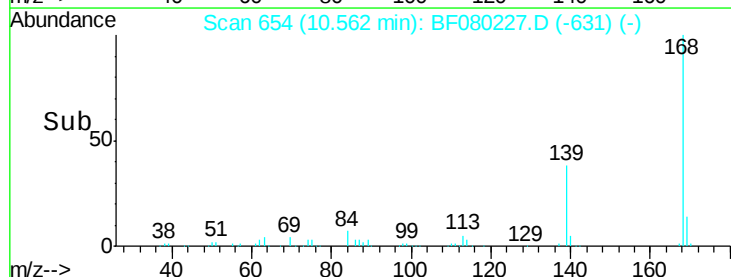
169 13.7 10.6 15.8



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: 70.95 ng

RT: 10.44 min Scan# 643

Delta R.T. -0.02 min

Lab File: BF080227.D

Acq: 30 Jun 2015 3:12

Instrument :

BNA_F

ClientSampleId :

SOILMSD

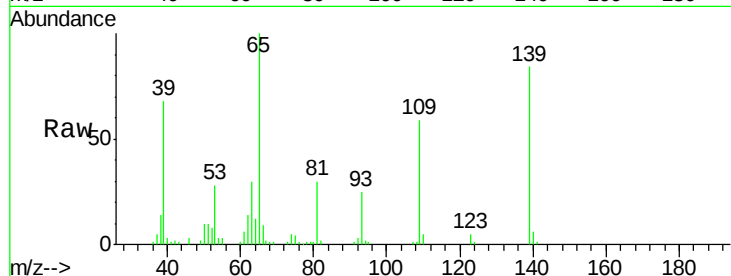
Tgt Ion:139 Resp: 61029

Ion Ratio Lower Upper

139 100

109 70.2 12.7 52.7#

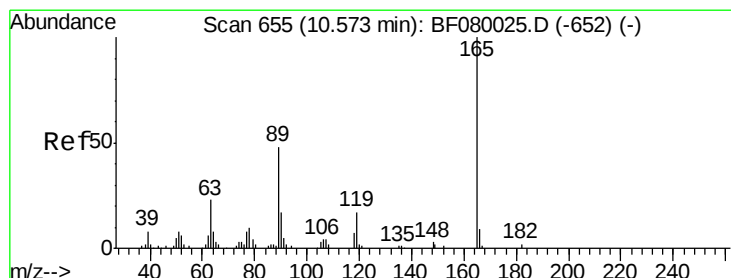
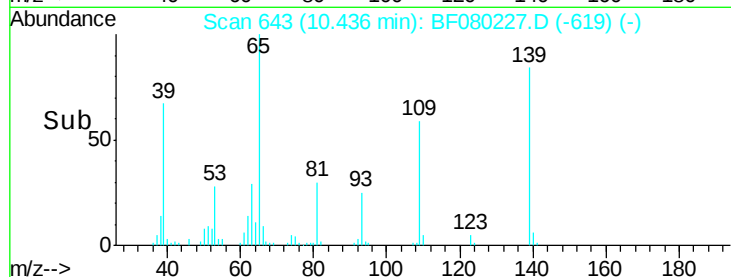
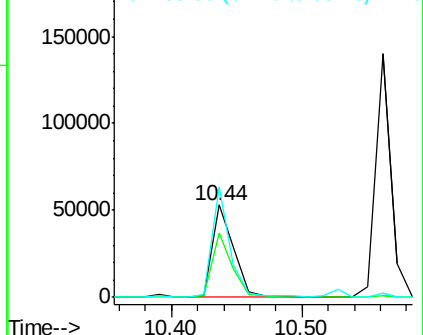
65 119.3 45.9 85.9#



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): E



#56

2,4-Dinitrotoluene

Concen: 59.39 ng

RT: 10.53 min Scan# 651

Delta R.T. -0.02 min

Lab File: BF080227.D

Acq: 30 Jun 2015 3:12

Tgt Ion:165 Resp: 70287

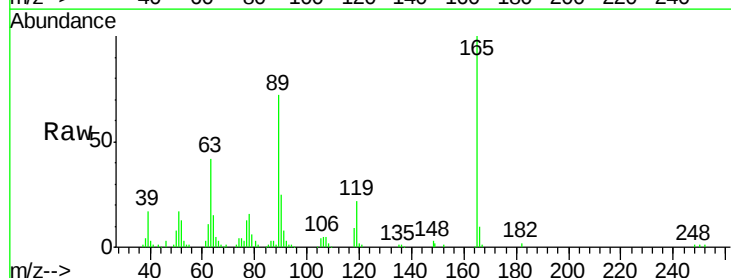
Ion Ratio Lower Upper

165 100

63 42.3 29.8 44.6

89 72.2 44.5 66.7#

182 2.2 3.0 4.4#

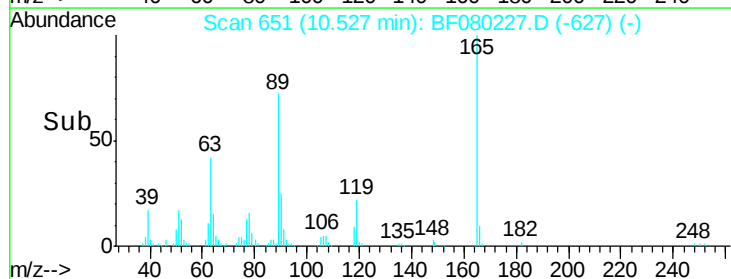
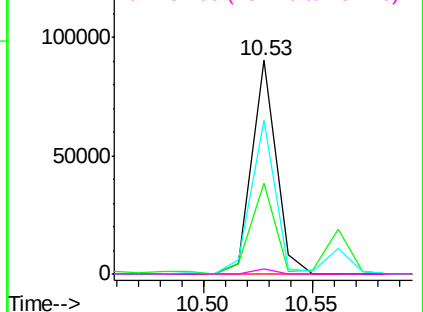


Abundance Ion 165.00 (164.70 to 165.70): E

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: 50.94 ng

RT: 10.92 min Scan# 685

Delta R.T. -0.02 min

Lab File: BF080227.D

Acq: 30 Jun 2015 3:12

Instrument :

BNA_F

ClientSampleId :

SOILMSD

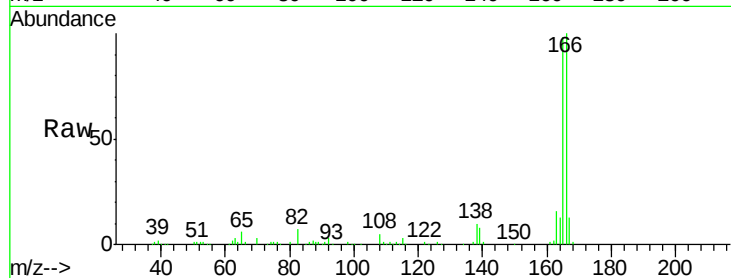
Tgt Ion:166 Resp: 239245

Ion Ratio Lower Upper

166 100

165 97.9 72.6 109.0

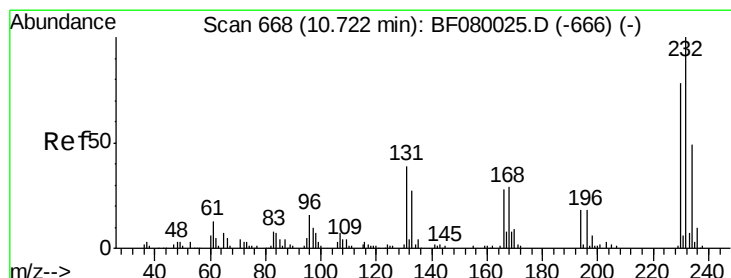
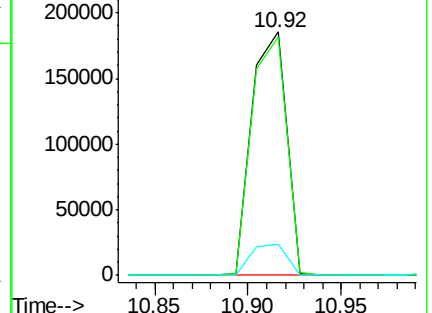
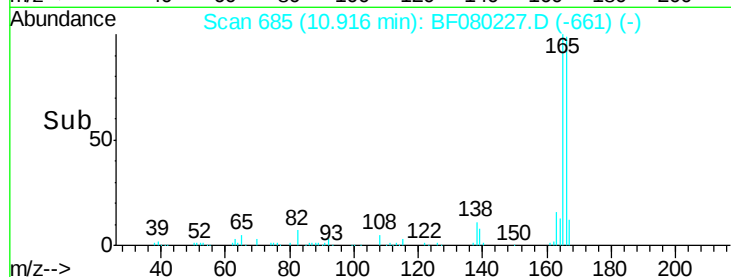
167 12.6 10.6 16.0



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 43.39 ng

RT: 10.68 min Scan# 664

Delta R.T. -0.03 min

Lab File: BF080227.D

Acq: 30 Jun 2015 3:12

Tgt Ion:232 Resp: 51710

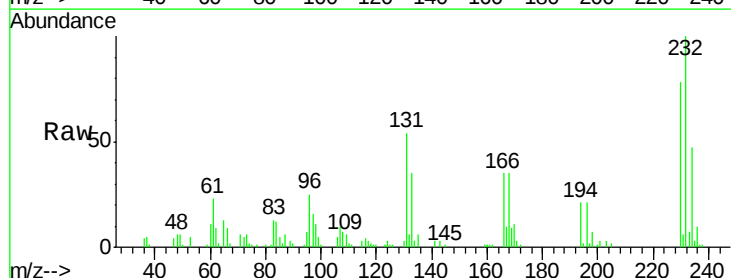
Ion Ratio Lower Upper

232 100

131 44.8 38.5 57.7

130 1.8 1.8 2.6

166 29.9 25.0 37.6

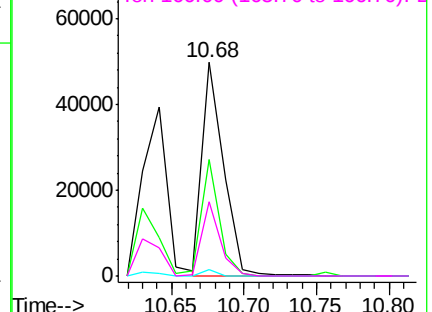
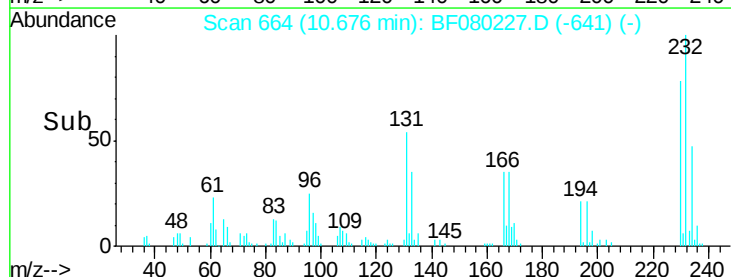


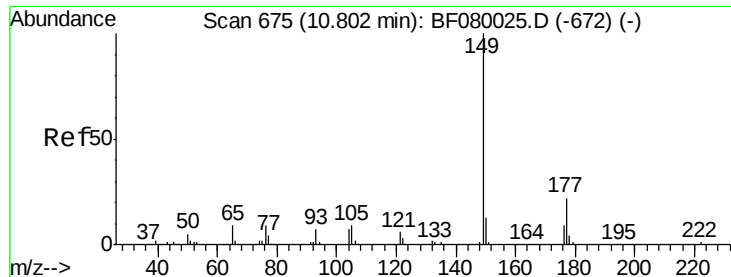
Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E

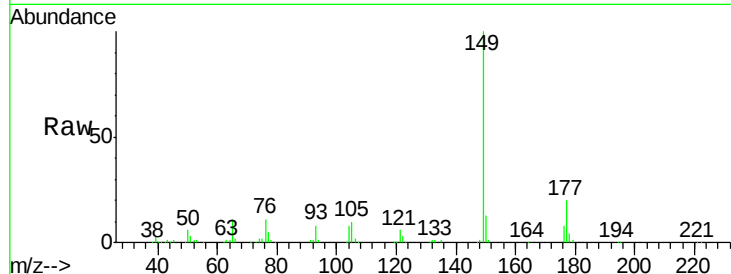




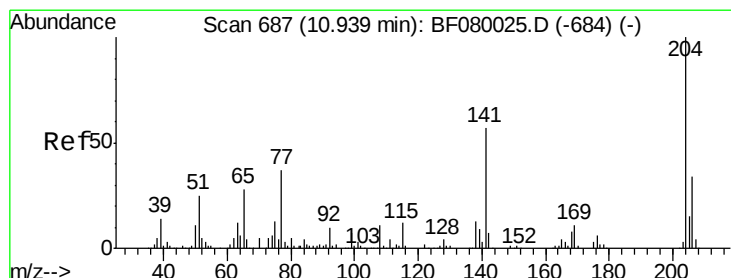
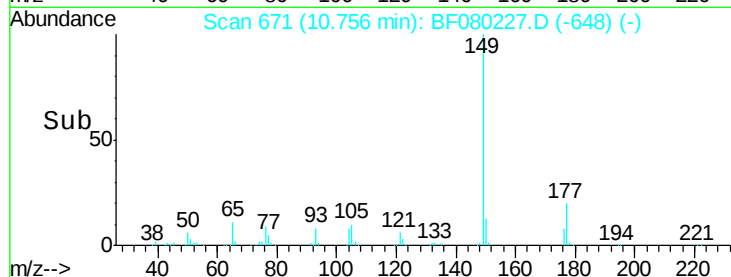
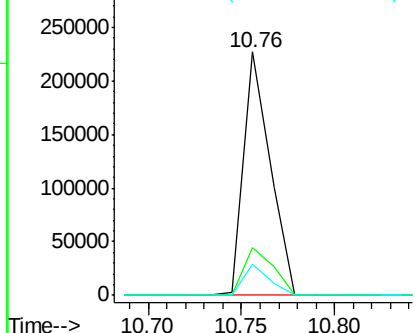
#59
Diethylphthalate
Concen: 48.42 ng
RT: 10.76 min Scan# 671
Delta R.T. -0.03 min
Lab File: BF080227.D
Acq: 30 Jun 2015 3:12

Instrument :
BNA_F
ClientSampleId :
SOILMSD

Tgt Ion:149 Resp: 226831
Ion Ratio Lower Upper
149 100
177 19.7 17.5 26.3
150 12.8 9.4 14.2

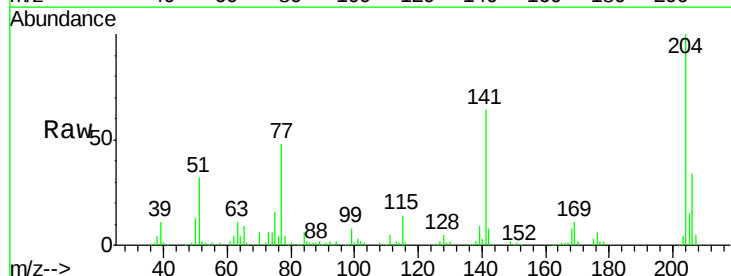


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E

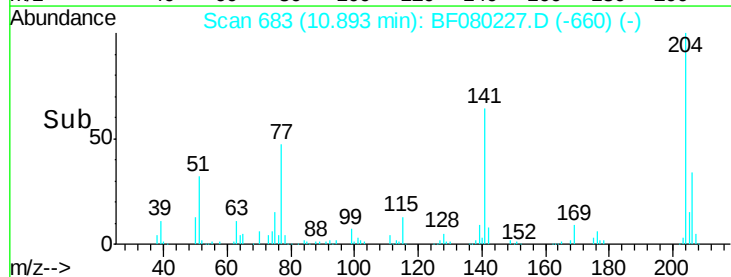
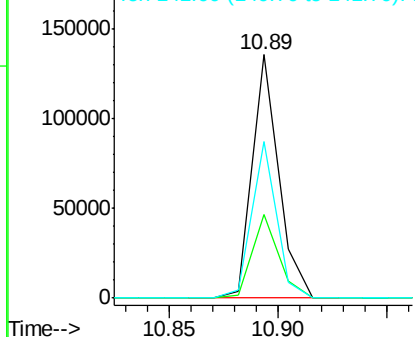


#60
4-Chlorophenyl-phenylether
Concen: 50.80 ng
RT: 10.89 min Scan# 683
Delta R.T. -0.03 min
Lab File: BF080227.D
Acq: 30 Jun 2015 3:12

Tgt Ion:204 Resp: 114655
Ion Ratio Lower Upper
204 100
206 34.2 24.8 37.2
141 64.1 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: 49.04 ng

RT: 10.90 min Scan# 684

Delta R.T. -0.02 min

Lab File: BF080227.D

Acq: 30 Jun 2015 3:12

Instrument :

BNA_F

ClientSampleId :

SOILMSD

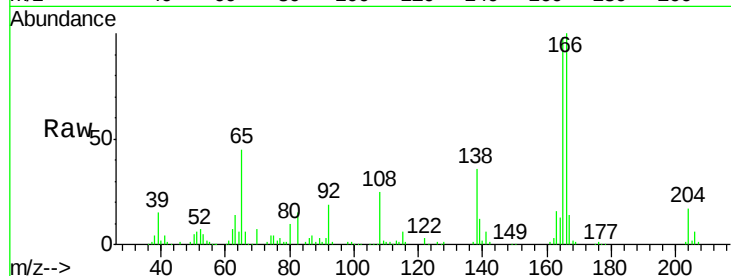
Tgt Ion:138 Resp: 54500

Ion Ratio Lower Upper

138 100

92 53.1 12.6 52.6#

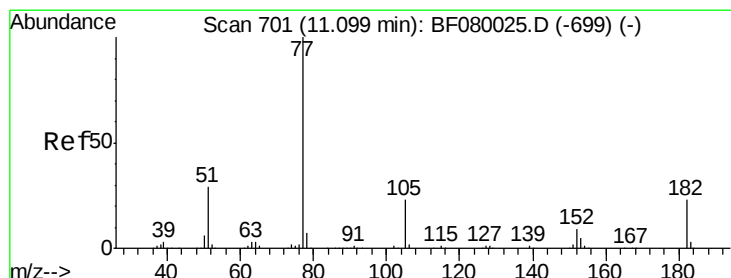
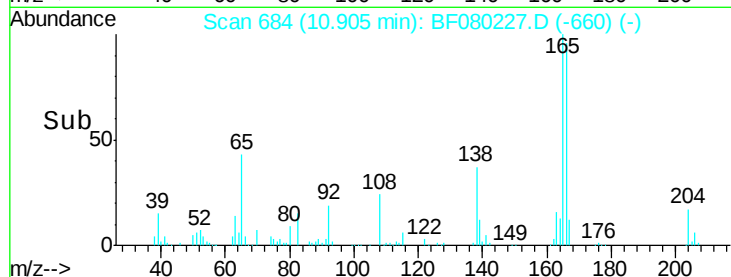
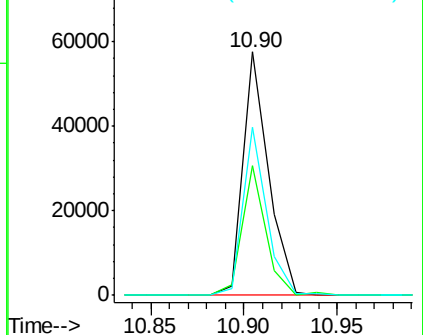
108 69.3 12.4 52.4#



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: 49.07 ng

RT: 11.05 min Scan# 697

Delta R.T. -0.03 min

Lab File: BF080227.D

Acq: 30 Jun 2015 3:12

Tgt Ion: 77 Resp: 233987

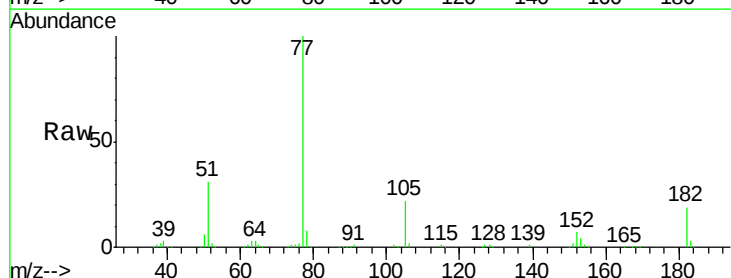
Ion Ratio Lower Upper

77 100

182 19.0 15.1 55.1

105 21.8 3.4 43.4

51 30.6 12.0 52.0

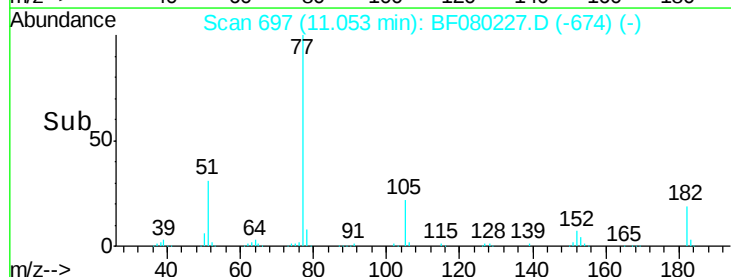
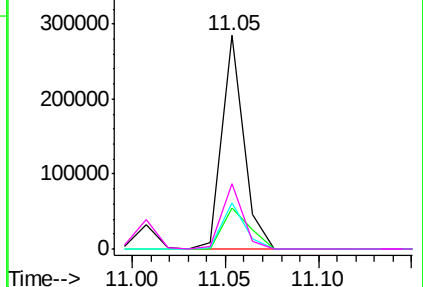


Abundance Ion 77.00 (76.70 to 77.70): BF0

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

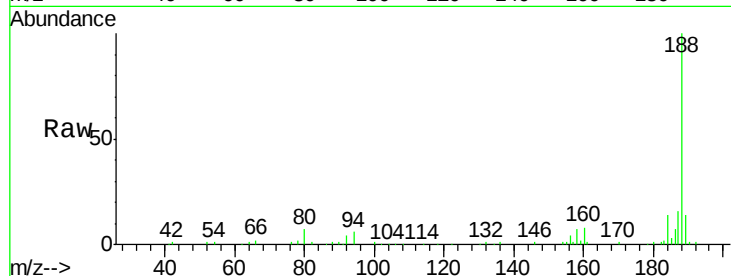




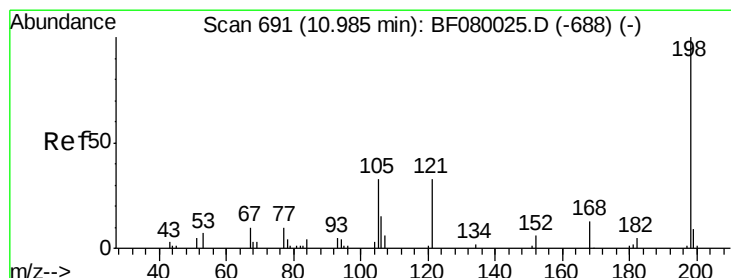
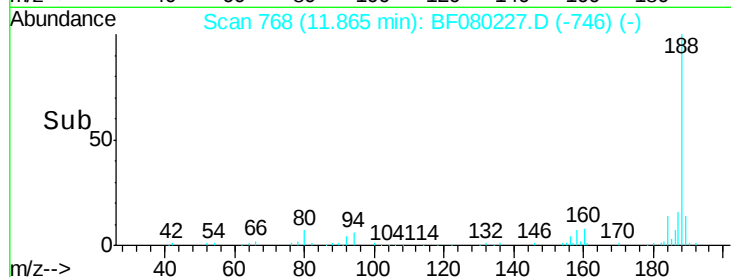
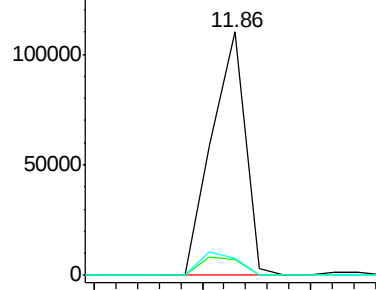
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.86 min Scan# 768
Delta R.T. -0.05 min
Lab File: BF080227.D
Acq: 30 Jun 2015 3:12

Instrument :
BNA_F
ClientSampleId :
SOILMSD

Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.4	11.1	16.7#
80	7.1	11.0	16.4#

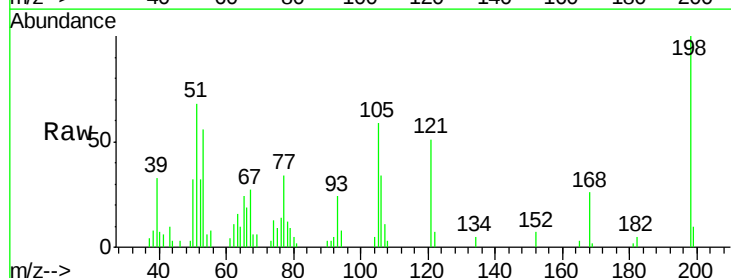


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

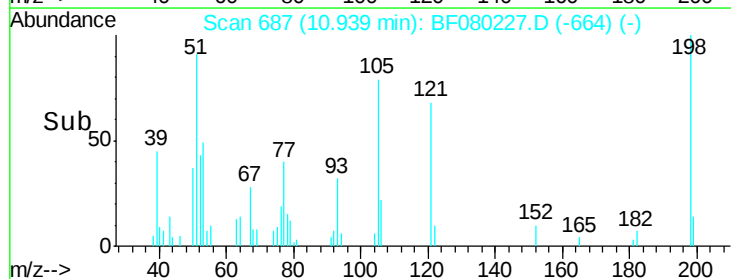
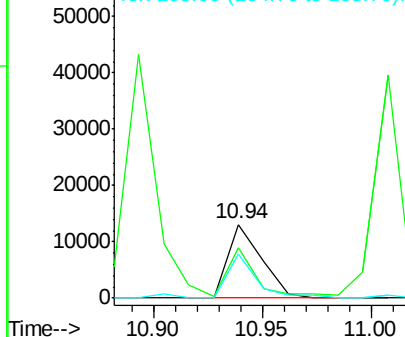


#64
4,6-Dinitro-2-methylphenol
Concen: 28.18 ng
RT: 10.94 min Scan# 687
Delta R.T. -0.03 min
Lab File: BF080227.D
Acq: 30 Jun 2015 3:12

Tgt Ion	Ratio	Lower	Upper
198	100		
51	67.6	39.6	79.6
105	59.1	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

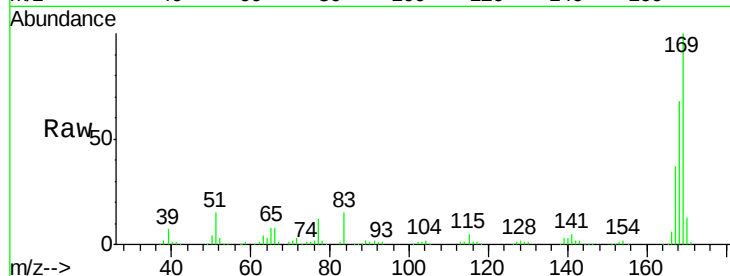




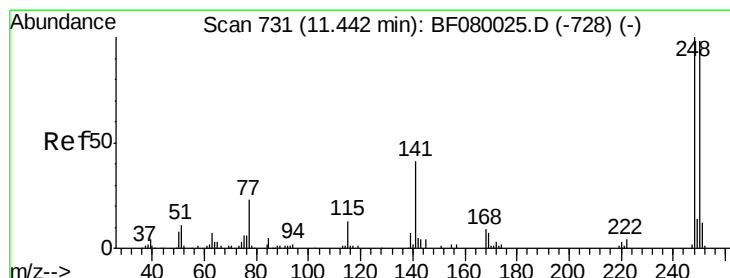
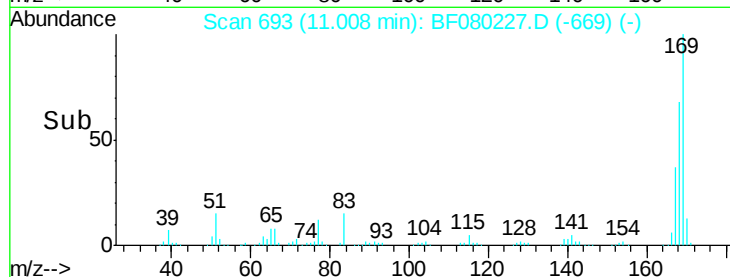
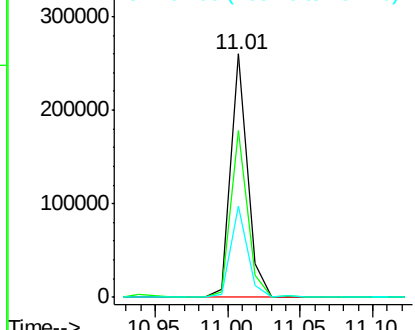
#65
 n-Nitrosodiphenylamine
 Concen: 54.47 ng
 RT: 11.01 min Scan# 693
 Delta R.T. -0.02 min
 Lab File: BF080227.D
 Acq: 30 Jun 2015 3:12

Instrument :
 BNA_F
 ClientSampleId :
 SOILMSD

Tgt Ion:169 Resp: 209618
 Ion Ratio Lower Upper
 169 100
 168 68.5 48.9 73.3
 167 37.4 26.2 39.4

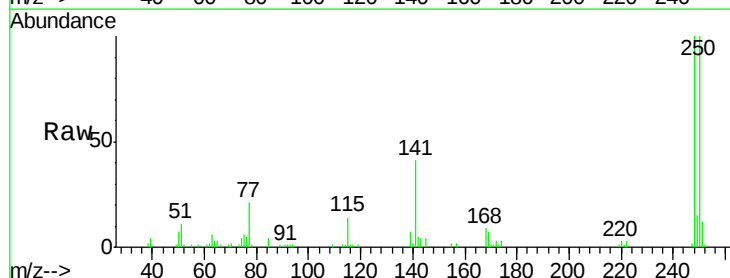


Abundance Ion 169.00 (168.70 to 169.70): E
 Ion 168.00 (167.70 to 168.70): E
 Ion 167.00 (166.70 to 167.70): E

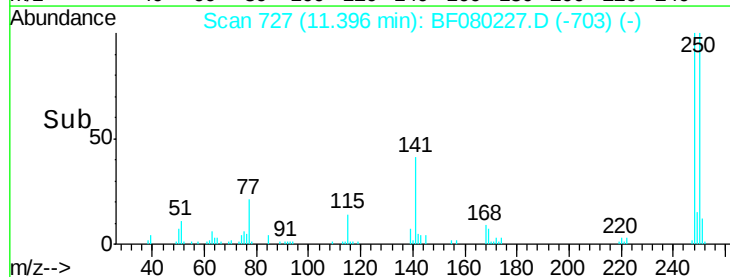
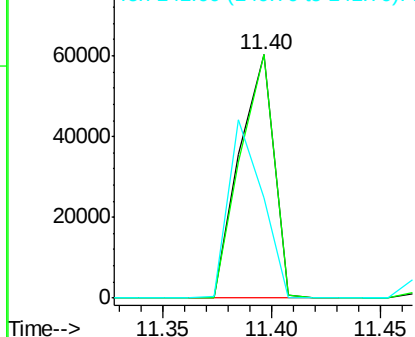


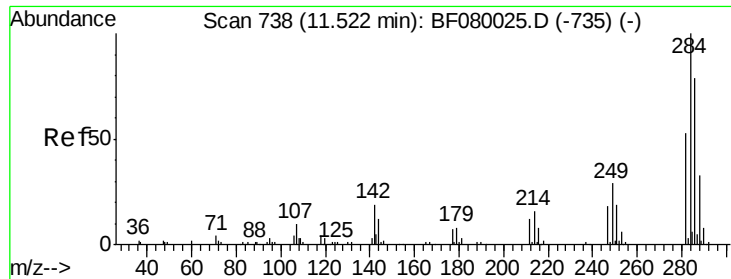
#66
 4-Bromophenyl-phenylether
 Concen: 52.63 ng
 RT: 11.40 min Scan# 727
 Delta R.T. -0.02 min
 Lab File: BF080227.D
 Acq: 30 Jun 2015 3:12

Tgt Ion:248 Resp: 66129
 Ion Ratio Lower Upper
 248 100
 250 100.1 78.5 117.7
 141 41.0 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

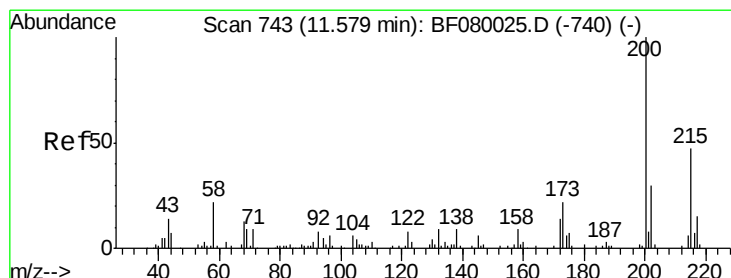
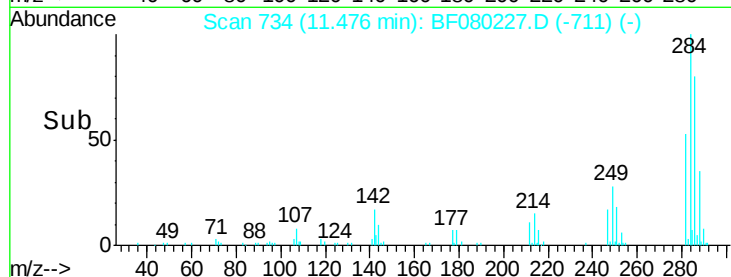
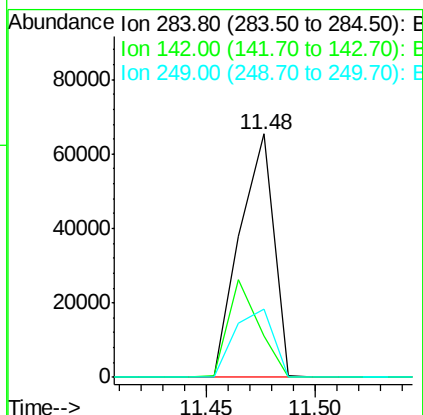
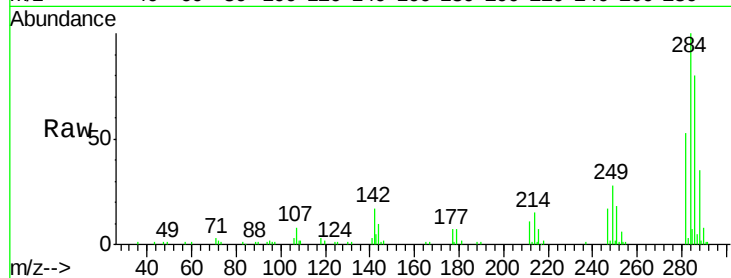




#67
Hexachlorobenzene
Concen: 51.05 ng
RT: 11.48 min Scan# 734
Delta R.T. -0.03 min
Lab File: BF080227.D
Acq: 30 Jun 2015 3:12

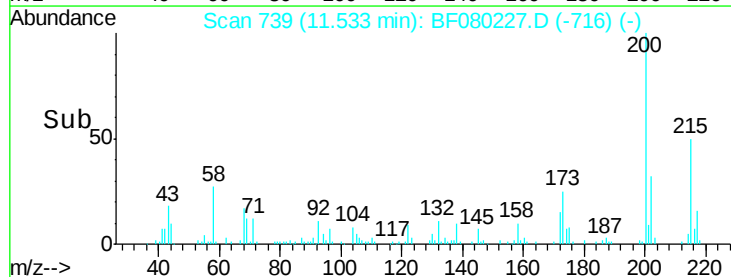
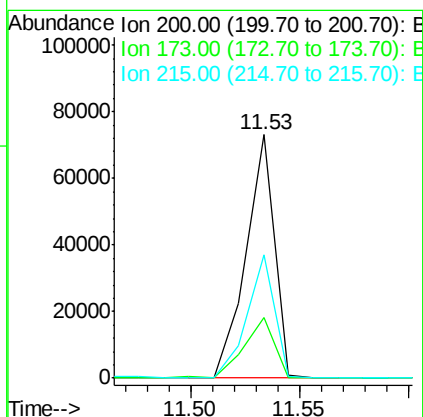
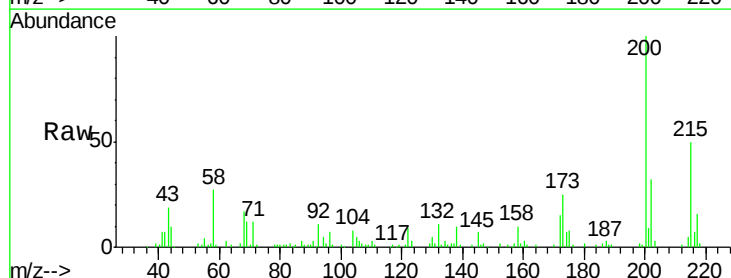
Instrument :
BNA_F
ClientSampleId :
SOILMSD

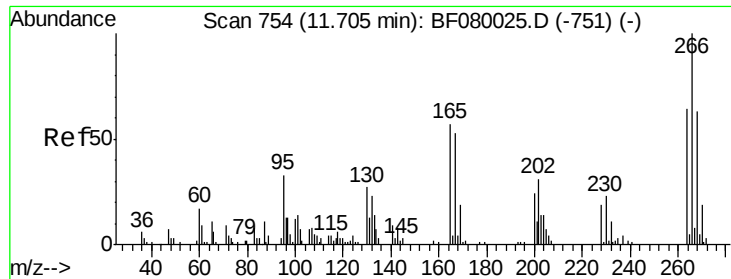
Tgt Ion:284 Resp: 71297
Ion Ratio Lower Upper
284 100
142 16.8 29.5 44.3#
249 28.1 19.5 29.3



#68
Atrazine
Concen: 54.29 ng
RT: 11.53 min Scan# 739
Delta R.T. -0.03 min
Lab File: BF080227.D
Acq: 30 Jun 2015 3:12

Tgt Ion:200 Resp: 66008
Ion Ratio Lower Upper
200 100
173 24.8 13.2 53.2
215 50.4 41.8 81.8

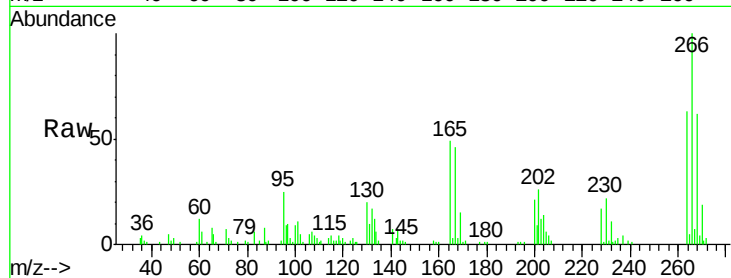




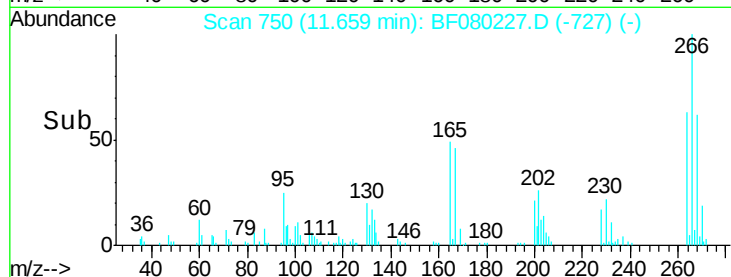
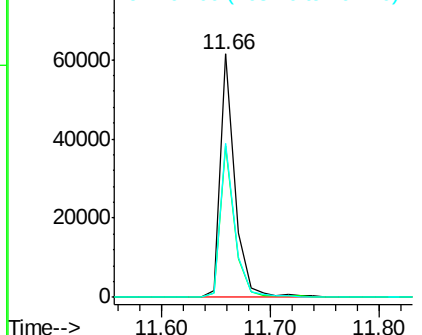
#69
 Pentachlorophenol
 Concen: 73.25 ng
 RT: 11.66 min Scan# 750
 Delta R.T. -0.03 min
 Lab File: BF080227.D
 Acq: 30 Jun 2015 3:12

Instrument :
 BNA_F
 ClientSampleId :
 SOILMSD

Tgt Ion:266 Resp: 57969
 Ion Ratio Lower Upper
 266 100
 268 62.0 49.8 74.6
 264 63.2 50.2 75.2

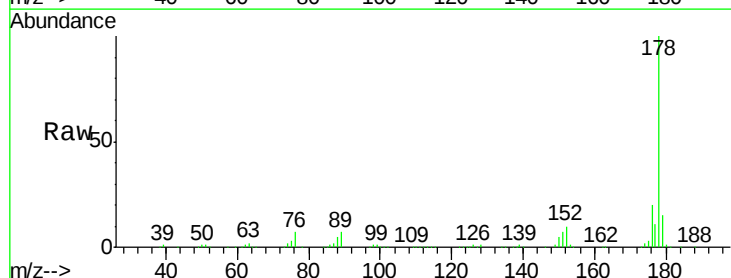


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

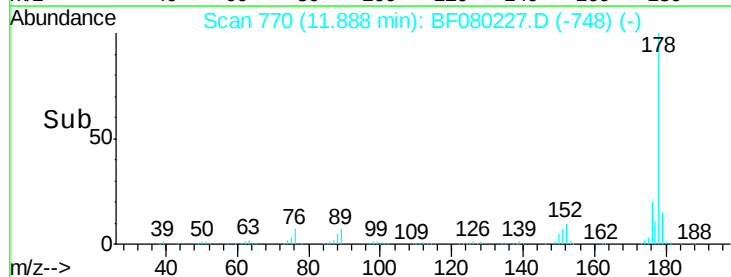
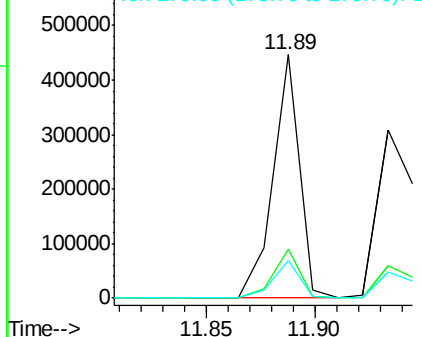


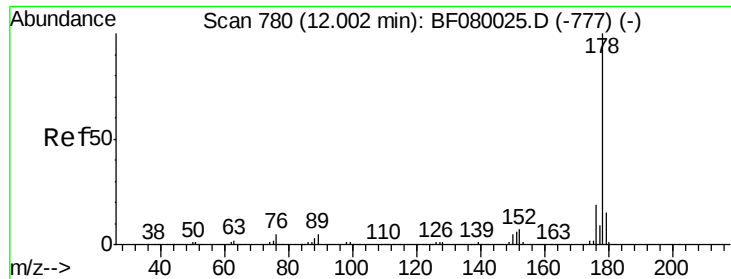
#70
 Phenanthrene
 Concen: 53.33 ng
 RT: 11.89 min Scan# 770
 Delta R.T. -0.05 min
 Lab File: BF080227.D
 Acq: 30 Jun 2015 3:12

Tgt Ion:178 Resp: 381563
 Ion Ratio Lower Upper
 178 100
 176 20.0 13.8 20.8
 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





#71

Anthracene

Concen: 53.03 ng

RT: 11.93 min Scan# 774

Delta R.T. -0.06 min

Lab File: BF080227.D

Acq: 30 Jun 2015 3:12

Instrument :

BNA_F

ClientSampleId :

SOILMSD

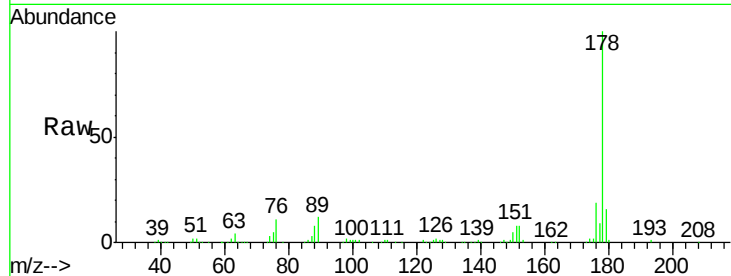
Tgt Ion:178 Resp: 365298

Ion Ratio Lower Upper

178 100

176 19.0 14.1 21.1

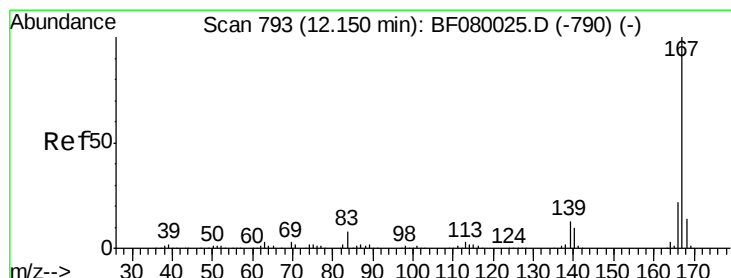
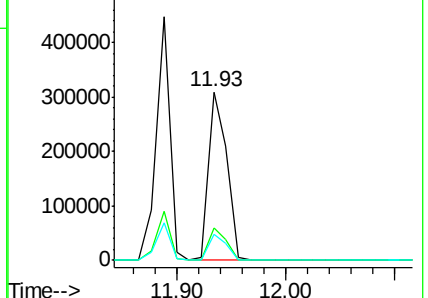
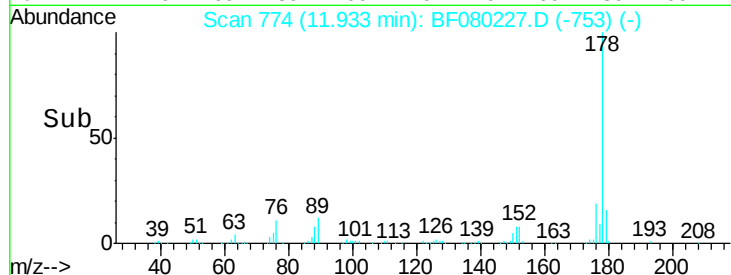
179 15.6 12.2 18.2



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



#72

Carbazole

Concen: 48.97 ng

RT: 12.08 min Scan# 787

Delta R.T. -0.06 min

Lab File: BF080227.D

Acq: 30 Jun 2015 3:12

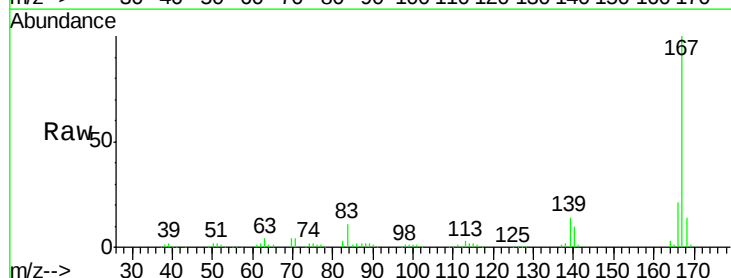
Tgt Ion:167 Resp: 322064

Ion Ratio Lower Upper

167 100

166 21.4 15.7 23.5

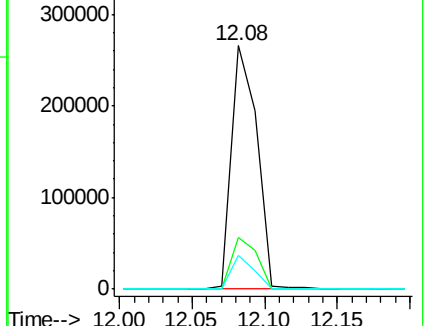
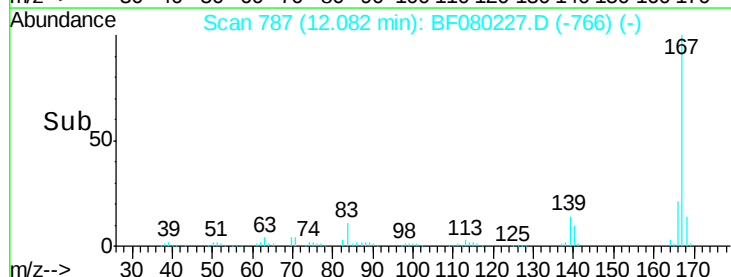
139 14.0 9.5 14.3



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

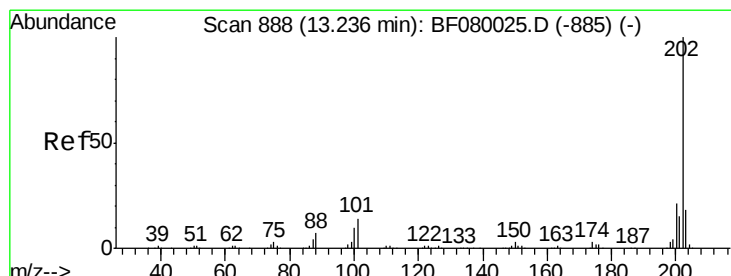
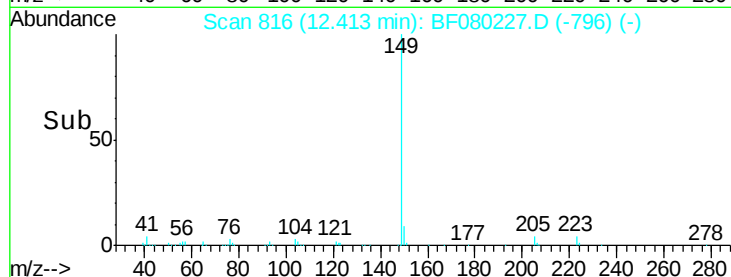
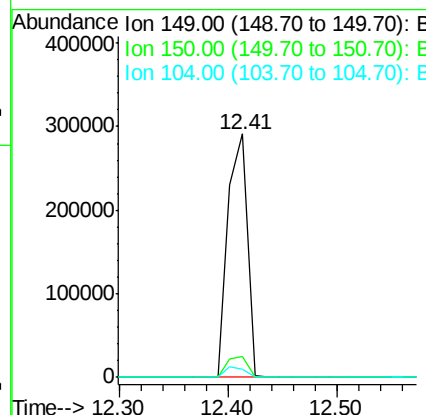
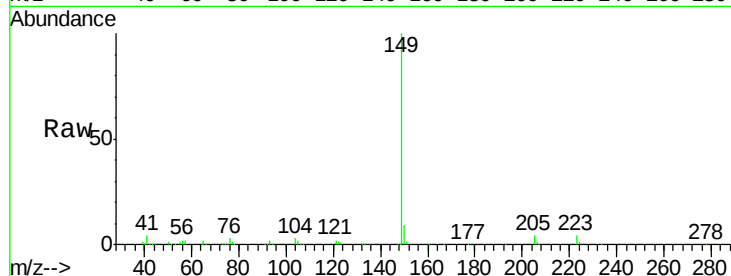




#73
Di-n-butylphthalate
Concen: 47.59 ng
RT: 12.41 min Scan# 816
Delta R.T. -0.07 min
Lab File: BF080227.D
Acq: 30 Jun 2015 3:12

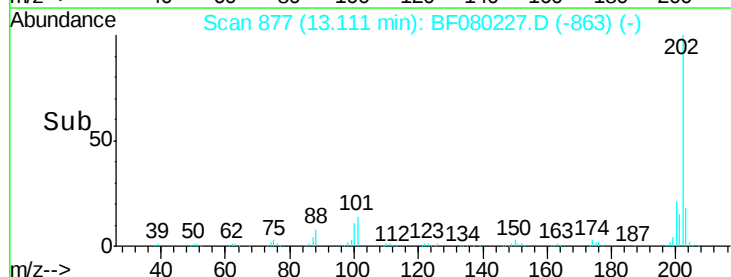
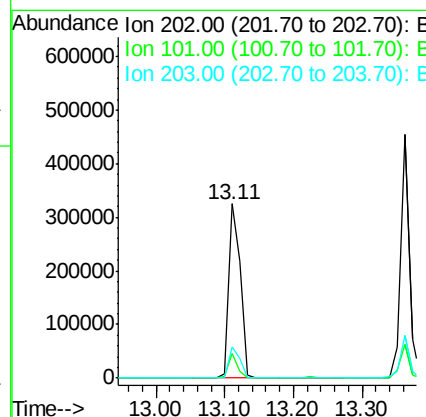
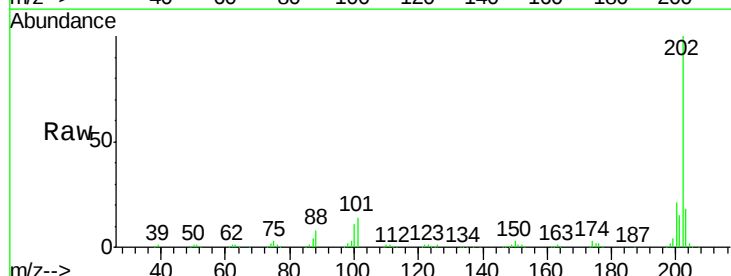
Instrument :
BNA_F
ClientSampleId :
SOILMSD

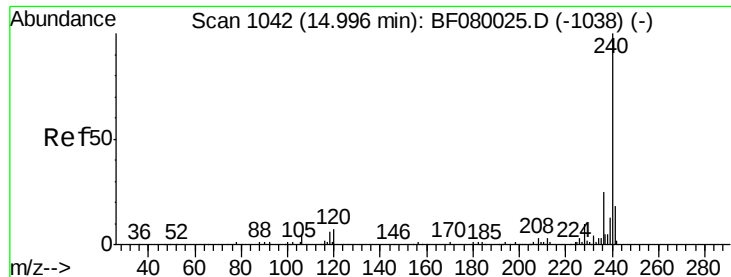
Tgt Ion:149 Resp: 361653
Ion Ratio Lower Upper
149 100
150 8.8 7.4 11.2
104 3.5 2.4 3.6



#74
Fluoranthene
Concen: 50.87 ng
RT: 13.11 min Scan# 877
Delta R.T. -0.14 min
Lab File: BF080227.D
Acq: 30 Jun 2015 3:12

Tgt Ion:202 Resp: 387610
Ion Ratio Lower Upper
202 100
101 14.4 0.0 38.3
203 17.7 0.0 37.3





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.72 min Scan# 1018

Delta R.T. -0.27 min

Lab File: BF080227.D

Acq: 30 Jun 2015 3:12

Instrument :

BNA_F

ClientSampleId :

SOILMSD

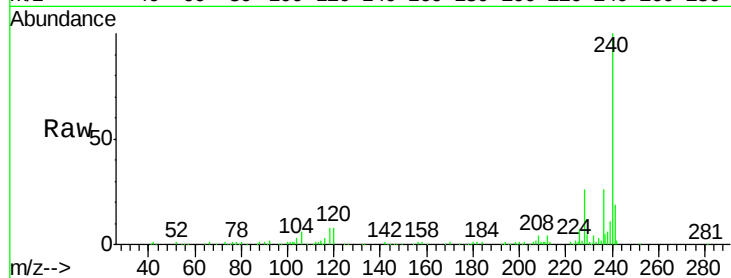
Tgt Ion:240 Resp: 127515

Ion Ratio Lower Upper

240 100

120 8.4 16.2 24.2#

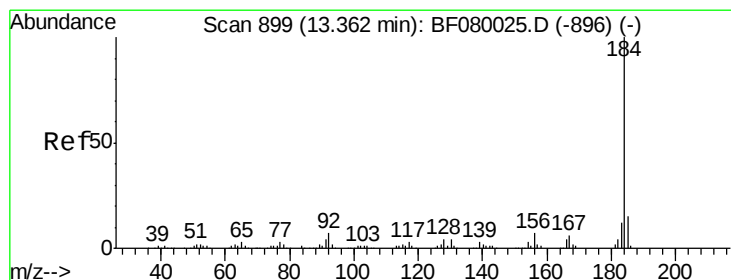
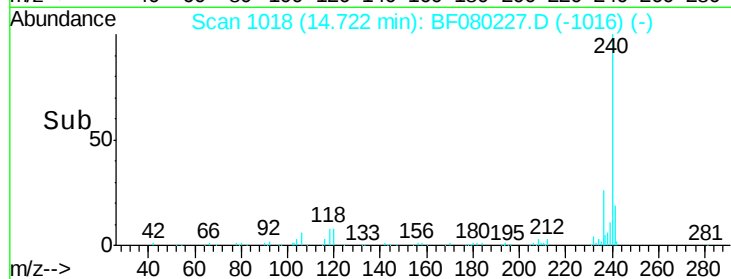
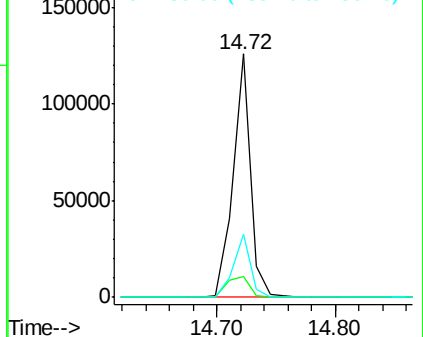
236 25.7 18.4 27.6



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: 78.30 ng

RT: 13.22 min Scan# 887

Delta R.T. -0.14 min

Lab File: BF080227.D

Acq: 30 Jun 2015 3:12

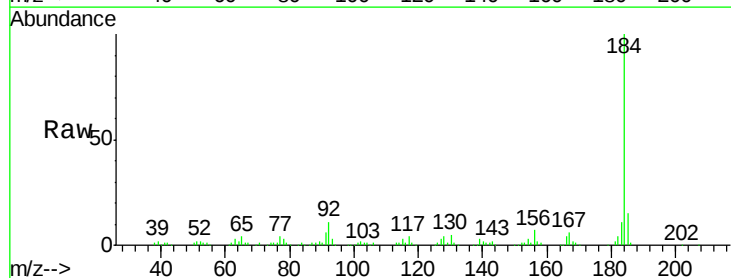
Tgt Ion:184 Resp: 279093

Ion Ratio Lower Upper

184 100

185 14.6 11.8 17.6

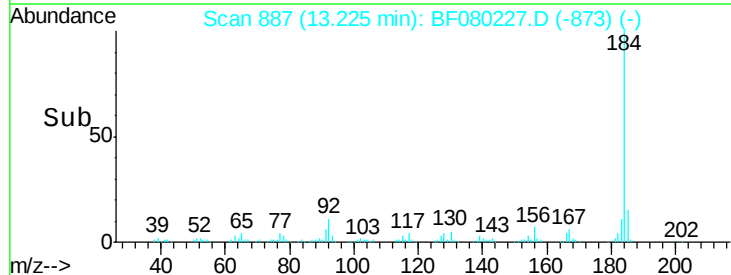
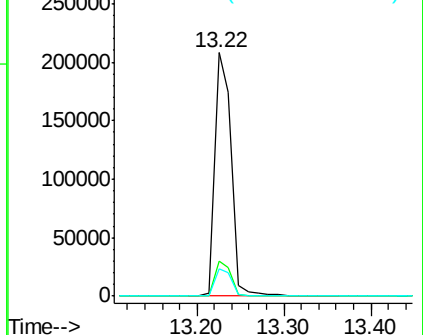
183 11.2 7.6 11.4

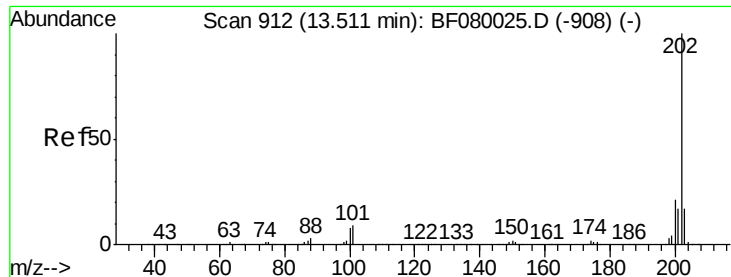


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pyrene

Concen: 52.02 ng

RT: 13.36 min Scan# 899

Delta R.T. -0.15 min

Lab File: BF080227.D

Acq: 30 Jun 2015 3:12

Instrument :

BNA_F

ClientSampleId :

SOILMSD

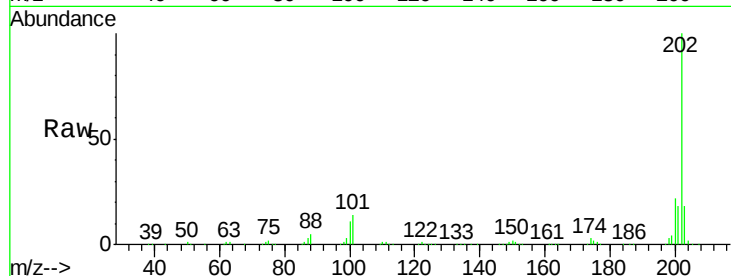
Tgt Ion:202 Resp: 408393

Ion Ratio Lower Upper

202 100

200 21.5 15.0 22.4

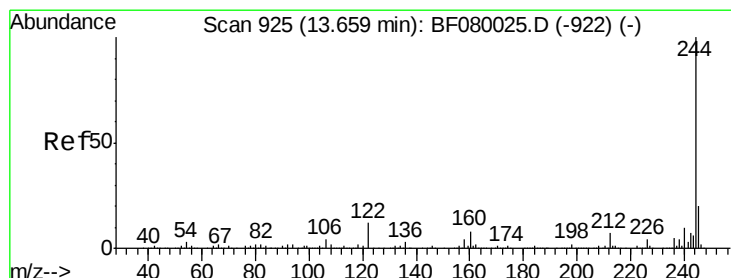
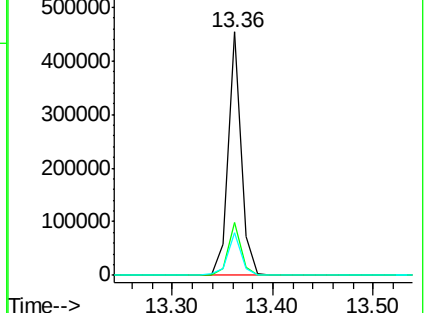
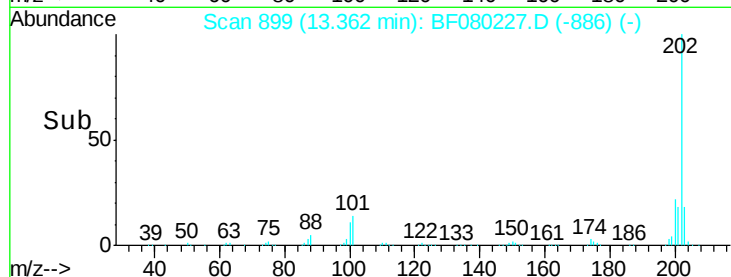
203 17.5 14.1 21.1



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



#78

Terphenyl-d14

Concen: 87.14 ng

RT: 13.50 min Scan# 911

Delta R.T. -0.17 min

Lab File: BF080227.D

Acq: 30 Jun 2015 3:12

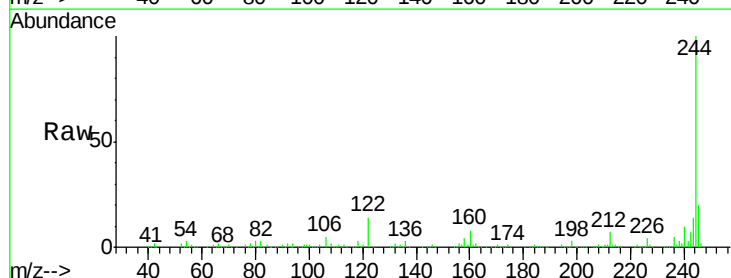
Tgt Ion:244 Resp: 475801

Ion Ratio Lower Upper

244 100

212 7.2 4.3 6.5#

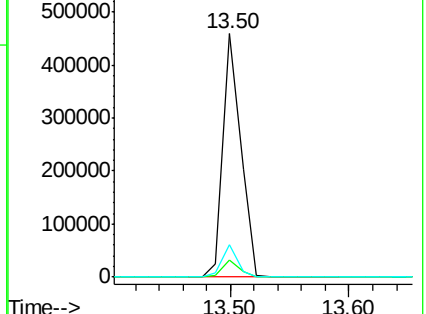
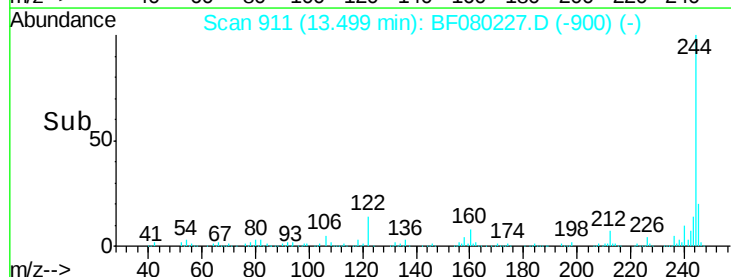
122 13.6 17.4 26.2#

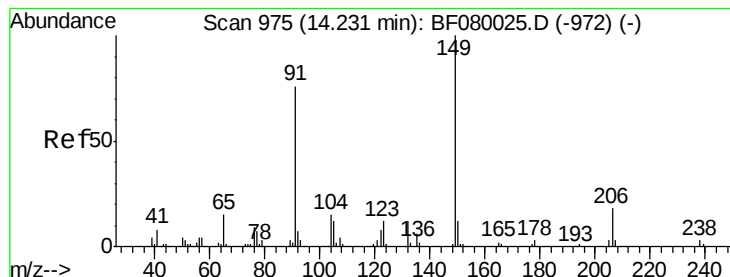


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#79

Butylbenzylphthalate

Concen: 54.06 ng

RT: 14.02 min Scan# 957

Delta R.T. -0.22 min

Lab File: BF080227.D

Acq: 30 Jun 2015 3:12

Instrument :

BNA_F

ClientSampled :

SOILMSD

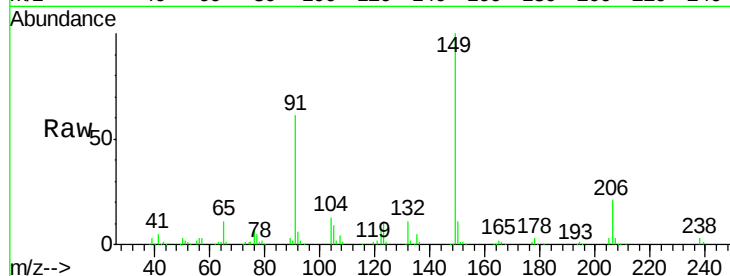
Tgt Ion:149 Resp: 170444

Ion Ratio Lower Upper

149 100

91 61.2 48.6 72.8

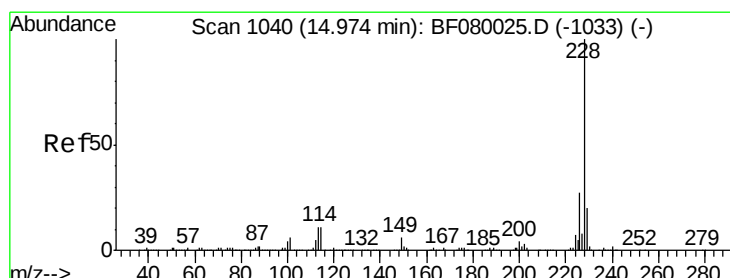
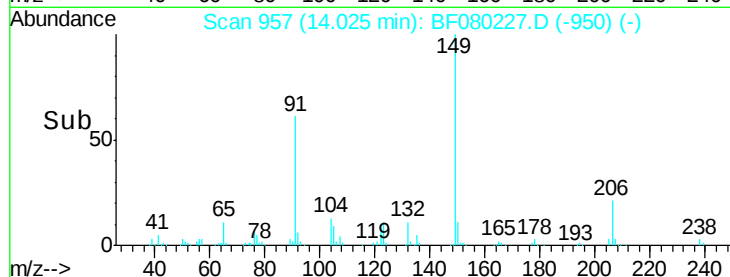
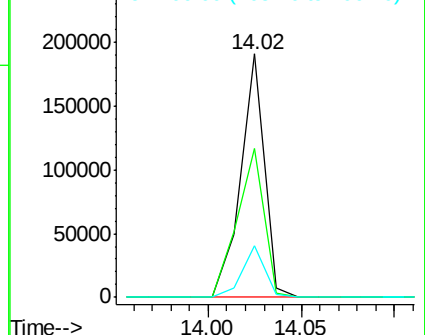
206 21.2 14.9 22.3



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: 51.79 ng

RT: 14.71 min Scan# 1017

Delta R.T. -0.27 min

Lab File: BF080227.D

Acq: 30 Jun 2015 3:12

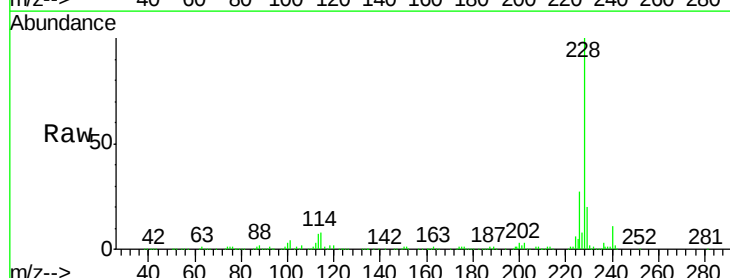
Tgt Ion:228 Resp: 402291

Ion Ratio Lower Upper

228 100

226 27.3 20.0 30.0

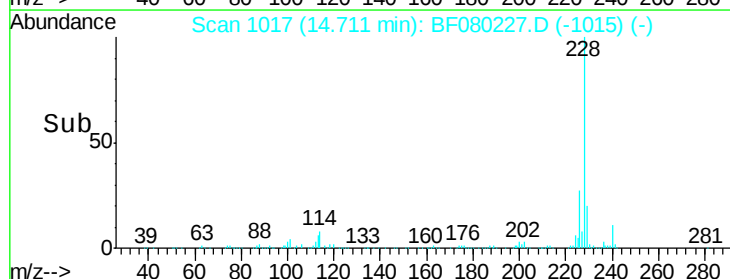
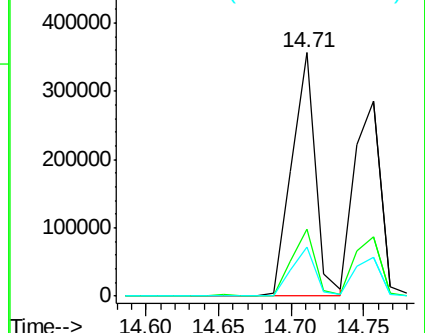
229 20.2 15.4 23.2



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

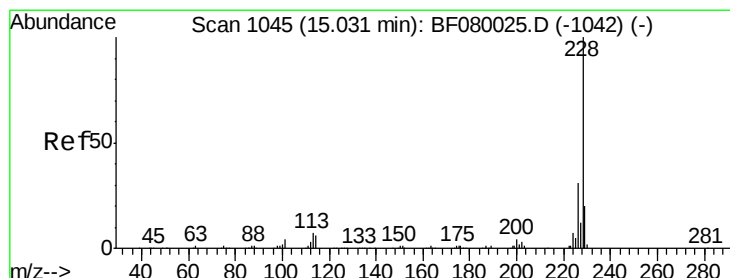
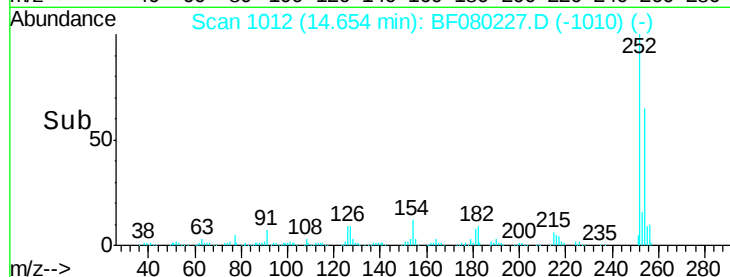
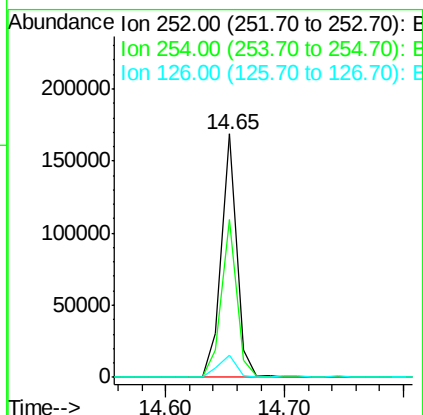
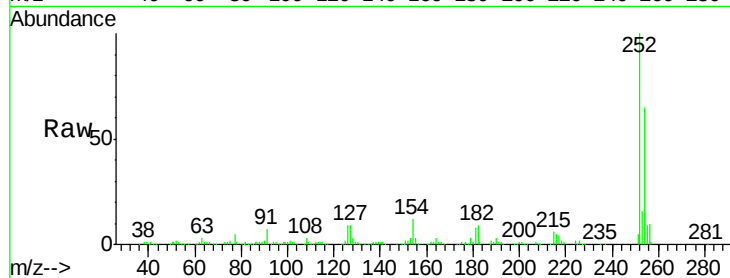




#81
 3,3'-Dichlorobenzidine
 Concen: 56.74 ng
 RT: 14.65 min Scan# 1012
 Delta R.T. -0.27 min
 Lab File: BF080227.D
 Acq: 30 Jun 2015 3:12

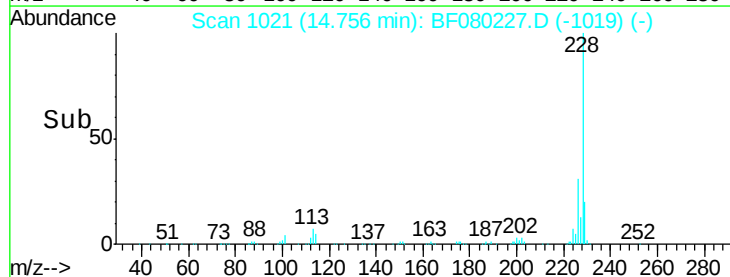
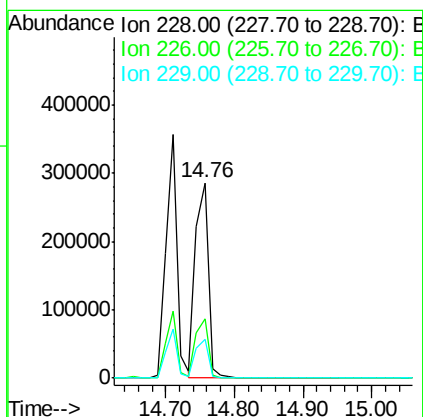
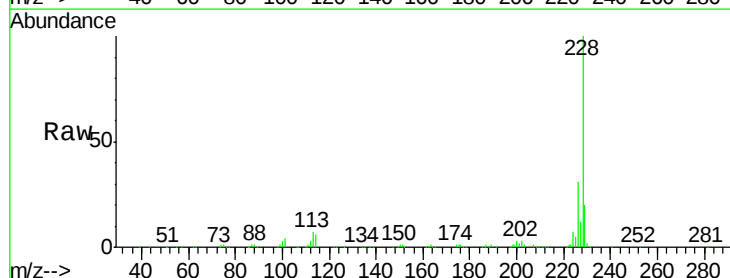
Instrument :
 BNA_F
 ClientSampleId :
 SOILMSD

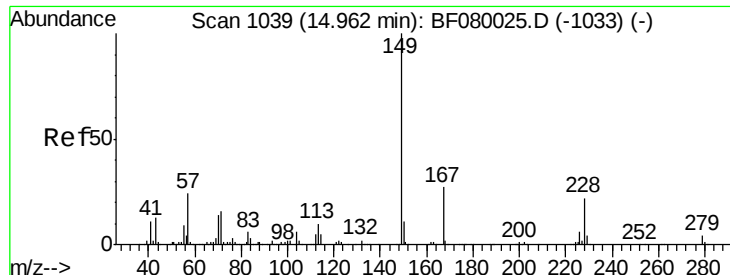
Tgt Ion:252 Resp: 152030
 Ion Ratio Lower Upper
 252 100
 254 64.7 51.4 77.2
 126 8.9 16.4 24.6#



#82
 Chrysene
 Concen: 51.20 ng
 RT: 14.76 min Scan# 1021
 Delta R.T. -0.27 min
 Lab File: BF080227.D
 Acq: 30 Jun 2015 3:12

Tgt Ion:228 Resp: 366775
 Ion Ratio Lower Upper
 228 100
 226 30.5 21.0 31.4
 229 19.7 15.6 23.4

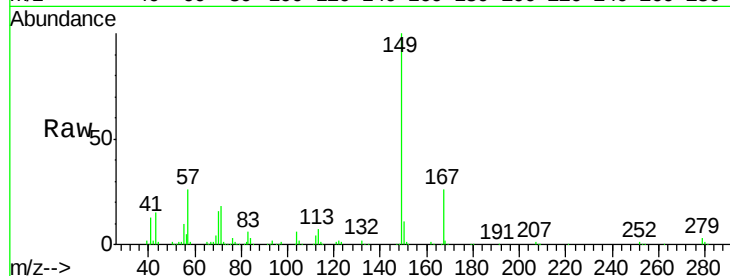




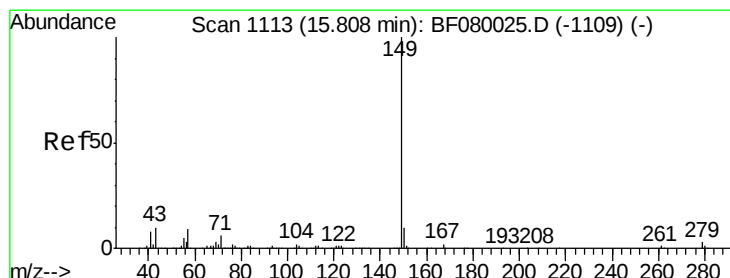
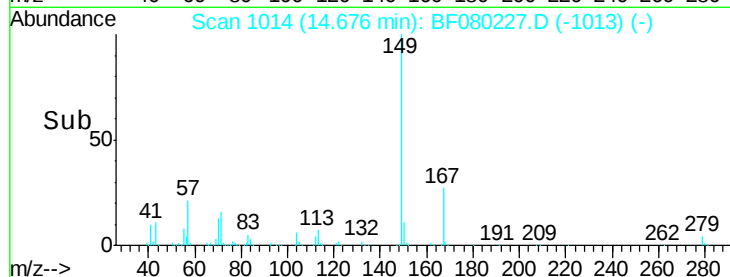
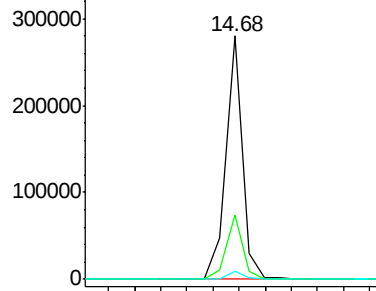
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 49.90 ng
 RT: 14.68 min Scan# 1014
 Delta R.T. -0.29 min
 Lab File: BF080227.D
 Acq: 30 Jun 2015 3:12

Instrument :
 BNA_F
 ClientSampleId :
 SOILMSD

Tgt Ion:149 Resp: 248657
 Ion Ratio Lower Upper
 149 100
 167 26.5 24.2 36.2
 279 3.2 3.8 5.6#

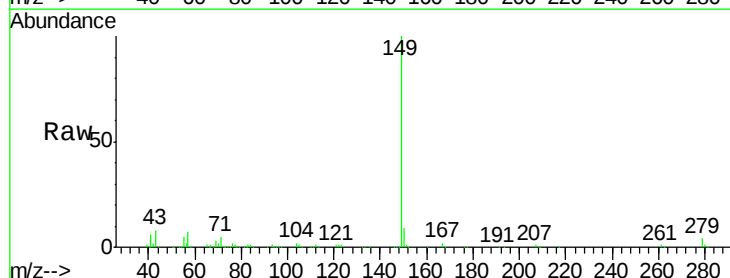


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

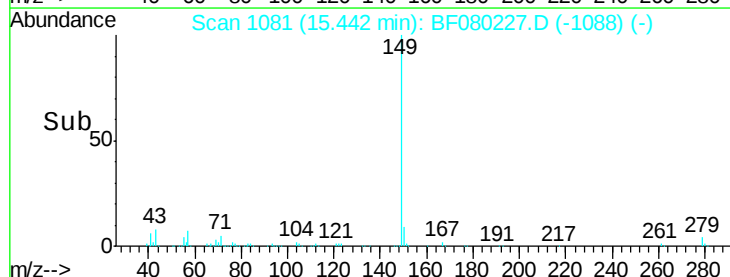
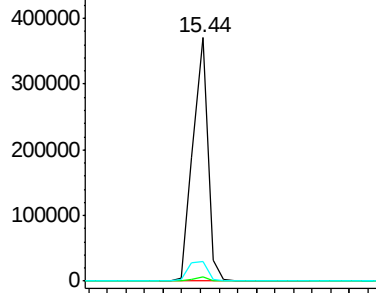


#84
 Di-n-octyl phthalate
 Concen: 48.33 ng
 RT: 15.44 min Scan# 1081
 Delta R.T. -0.38 min
 Lab File: BF080227.D
 Acq: 30 Jun 2015 3:12

Tgt Ion:149 Resp: 412707
 Ion Ratio Lower Upper
 149 100
 167 1.5 1.0 1.6
 43 10.2 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: 49.58 ng

RT: 18.35 min Scan# 1335

Delta R.T. -0.45 min

Lab File: BF080227.D

Acq: 30 Jun 2015 3:12

Instrument :

BNA_F

ClientSampleId :

SOILMSD

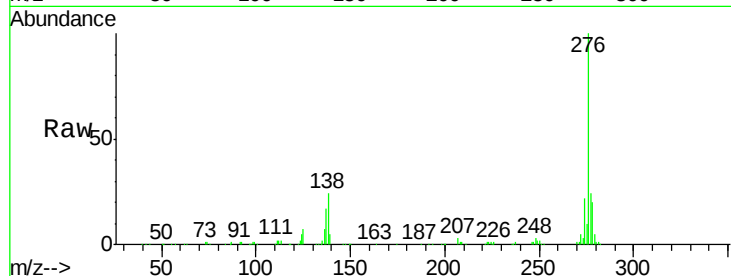
Tgt Ion:276 Resp: 447844

Ion Ratio Lower Upper

276 100

138 26.0 25.7 38.5

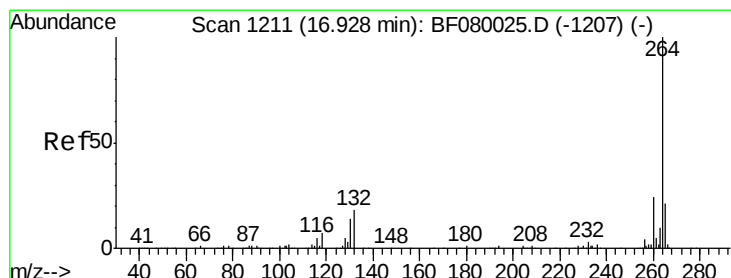
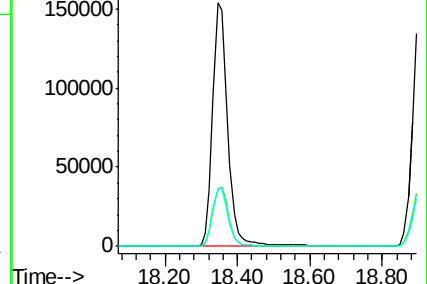
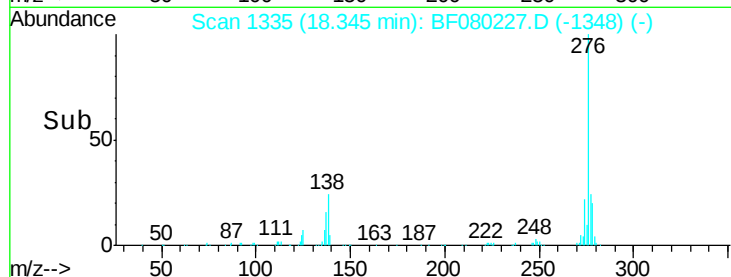
277 24.7 15.6 23.4#



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: 16.53 min Scan# 1176

Delta R.T. -0.40 min

Lab File: BF080227.D

Acq: 30 Jun 2015 3:12

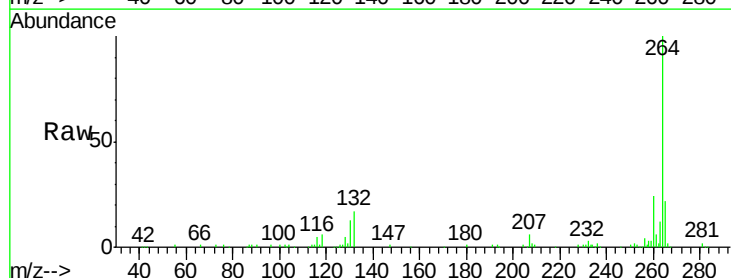
Tgt Ion:264 Resp: 127248

Ion Ratio Lower Upper

264 100

260 24.2 16.7 25.1

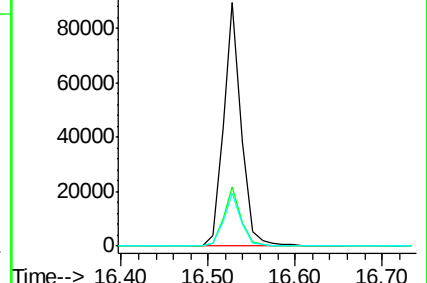
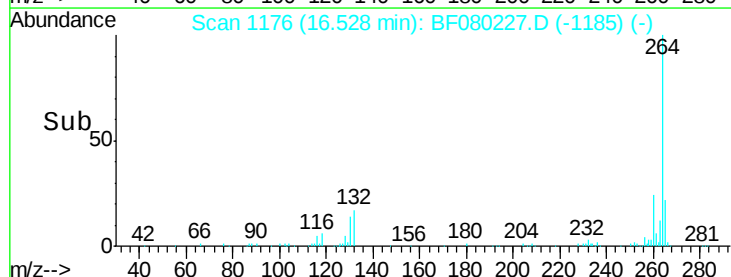
265 21.9 17.2 25.8



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

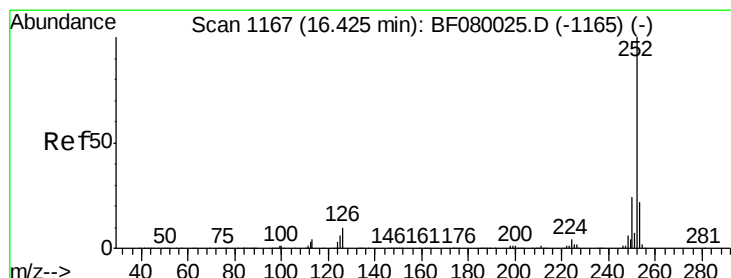
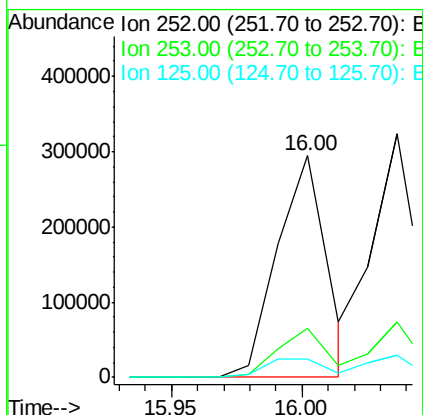
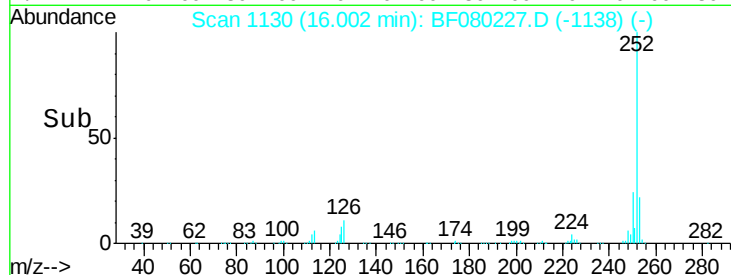
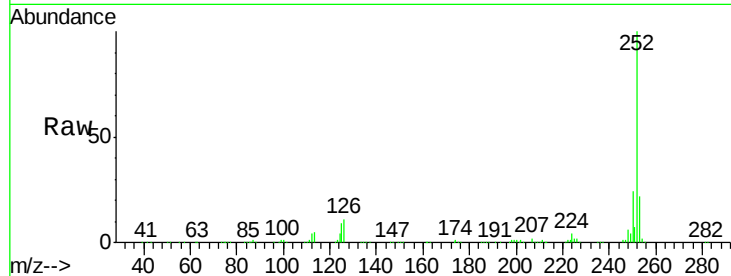




#87
Benzo(b)fluoranthene
Concen: 50.04 ng
RT: 16.00 min Scan# 1130
Delta R.T. -0.39 min
Lab File: BF080227.D
Acq: 30 Jun 2015 3:12

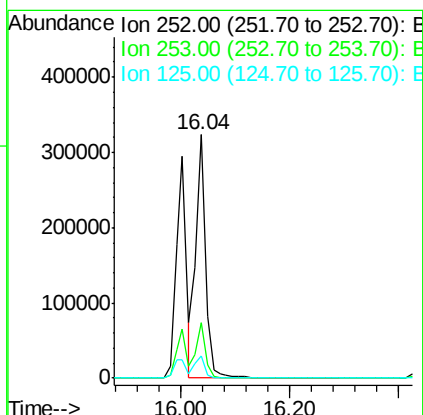
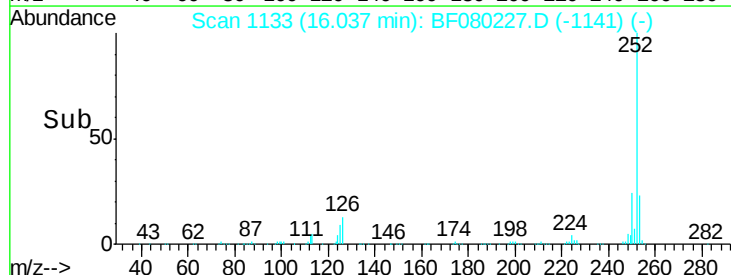
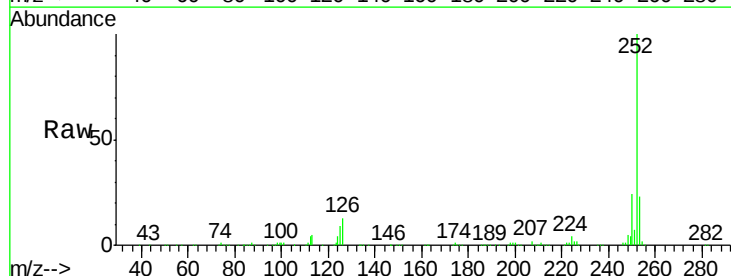
Instrument :
BNA_F
ClientSampleId :
SOILMSD

Tgt Ion: 252 Resp: 385538
Ion Ratio Lower Upper
252 100
253 22.0 17.5 26.3
125 8.5 17.1 25.7#



#88
Benzo(k)fluoranthene
Concen: 51.16 ng
RT: 16.04 min Scan# 1133
Delta R.T. -0.39 min
Lab File: BF080227.D
Acq: 30 Jun 2015 3:12

Tgt Ion: 252 Resp: 401377
Ion Ratio Lower Upper
252 100
253 22.7 17.0 25.4
125 9.0 16.0 24.0#





#89

Benzo(a)pyrene

Concen: 53.92 ng

RT: 16.45 min Scan# 1169

Delta R.T. -0.40 min

Lab File: BF080227.D

Acq: 30 Jun 2015 3:12

Instrument :

BNA_F

ClientSampleId :

SOILMSD

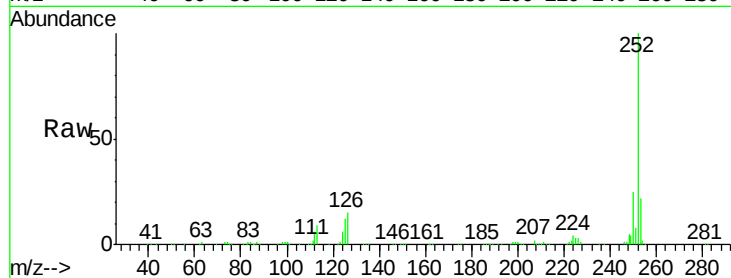
Tgt Ion:252 Resp: 394536

Ion Ratio Lower Upper

252 100

253 22.0 17.2 25.8

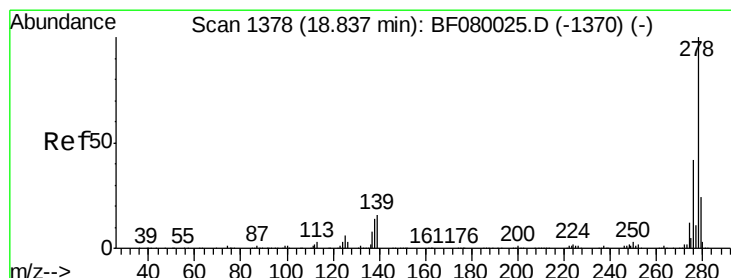
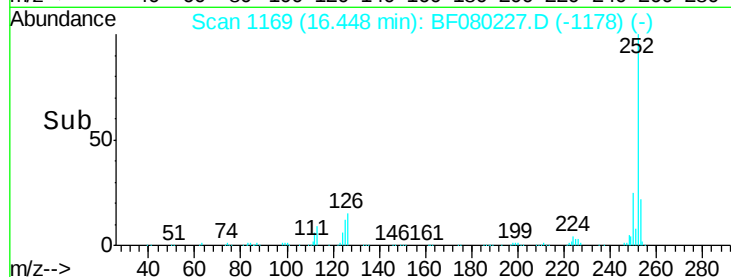
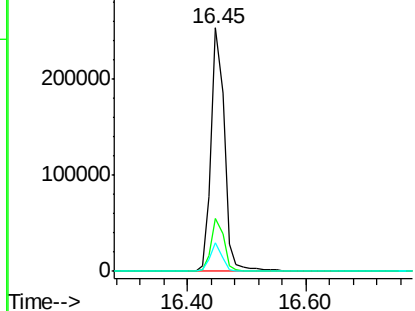
125 11.6 18.0 27.0#



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: 50.13 ng

RT: 18.37 min Scan# 1337

Delta R.T. -0.45 min

Lab File: BF080227.D

Acq: 30 Jun 2015 3:12

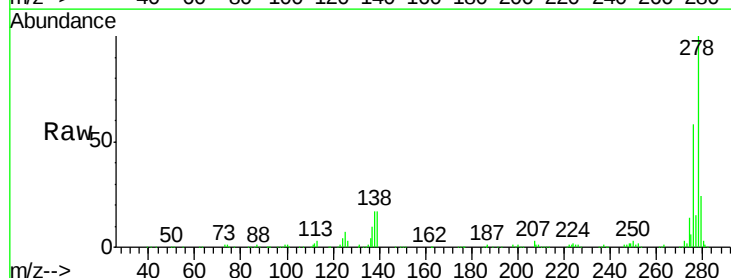
Tgt Ion:278 Resp: 375445

Ion Ratio Lower Upper

278 100

139 17.0 26.3 39.5#

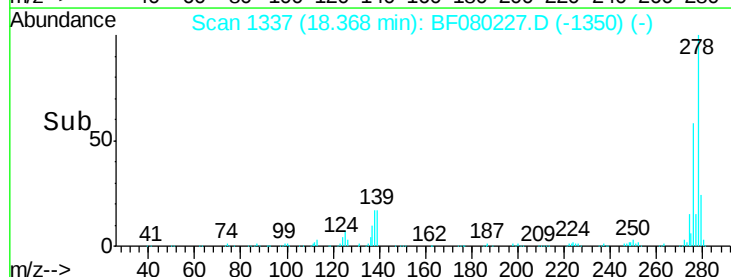
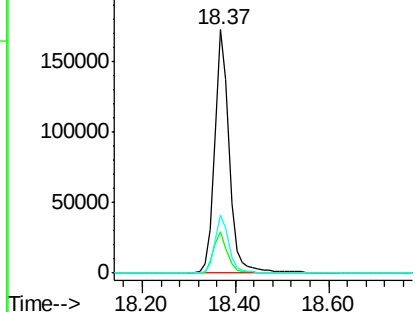
279 23.8 18.2 27.4



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: 50.41 ng

RT: 18.91 min Scan# 1384

Delta R.T. -0.45 min

Lab File: BF080227.D

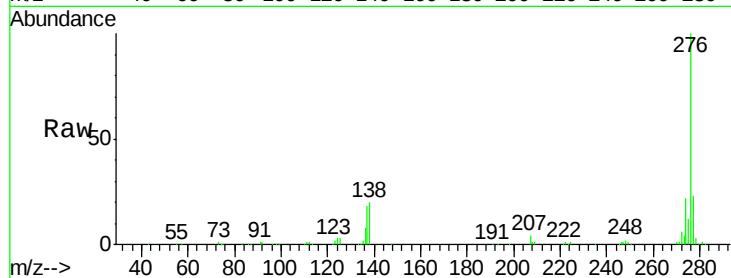
Acq: 30 Jun 2015 3:12

Instrument :

BNA_F

ClientSampleId :

SOILMSD



Tgt Ion:	276	Resp:	381146
Ion Ratio		Lower	Upper
276	100		
277	22.6	17.8	26.6
138	20.2	34.6	51.8#

