

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081015\
 Data File : BF080959.D
 Acq On : 10 Aug 2015 19:09
 Operator : TP/UM
 Sample : G3212-02MS
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-2MS

Quant Time: Aug 11 02:08:12 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF080715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Aug 08 01:33:05 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	80857	20.00	ng	-0.02
21) Naphthalene-d8	8.08	136	324690	20.00	ng	-0.02
38) Acenaphthene-d10	9.82	164	139180	20.00	ng	-0.02
63) Phenanthrene-d10	11.30	188	257001	20.00	ng	-0.02
75) Chrysene-d12	13.93	240	236785	20.00	ng	-0.03
86) Perylene-d12	15.32	264	202892	20.00	ng	-0.03

System Monitoring Compounds

5) 2-Fluorophenol	5.40	112	502705	101.58	ng	0.02
7) Phenol-d6	6.43	99	603174	88.94	ng	-0.01
23) Nitrobenzene-d5	7.36	82	462546	67.38	ng	-0.02
41) 2,4,6-Tribromophenol	10.61	330	150049	98.13	ng	-0.02
44) 2-Fluorobiphenyl	9.15	172	651273	65.88	ng	-0.02
78) Terphenyl-d14	12.89	244	743447	64.85	ng	-0.02

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.53	88	70322	29.96	ng	# 83
3) Pyridine	3.20	79	131706m	19.79	ng	
4) n-Nitrosodimethylamine	3.13	42	93924	27.64	ng	96
6) Aniline	6.45	93	62213	6.24	ng	# 87
8) 2-Chlorophenol	6.58	128	152719	26.67	ng	94
9) Benzaldehyde	6.34	77	118461	25.91	ng	85
10) Phenol	6.44	94	208878	25.96	ng	95
11) bis(2-Chloroethyl)ether	6.53	93	177229	29.50	ng	90
12) 1,3-Dichlorobenzene	6.73	146	154792m	25.47	ng	
13) 1,4-Dichlorobenzene	6.81	146	164560	26.06	ng	96
14) 1,2-Dichlorobenzene	6.96	146	143798	25.19	ng	99
15) Benzyl Alcohol	6.93	79	159350	28.71	ng	93
16) 2,2'-oxybis(1-Chloropropan	7.07	45	322662	26.70	ng	98
17) 2-Methylphenol	7.05	107	132644	27.14	ng	# 93
18) Hexachloroethane	7.30	117	59943	24.77	ng	98
19) n-Nitroso-di-n-propylamine	7.21	70	126692	25.56	ng	98
20) 3+4-Methylphenols	7.21	107	168143	27.38	ng	96
22) Acetophenone	7.21	105	297259	37.36	ng	# 85
24) Nitrobenzene	7.37	77	179327	25.37	ng	99
25) Isophorone	7.62	82	354298	26.84	ng	99
26) 2-Nitrophenol	7.69	139	81123	27.28	ng	98
27) 2,4-Dimethylphenol	7.73	122	161509	29.01	ng	95
28) bis(2-Chloroethoxy)methane	7.82	93	196841	24.84	ng	97
29) 2,4-Dichlorophenol	7.93	162	123913	27.08	ng	96
30) 1,2,4-Trichlorobenzene	8.02	180	136164	27.23	ng	99
31) Naphthalene	8.09	128	456212	25.49	ng	99
32) Benzoic acid	7.82	122	43508	13.05	ng	95
33) 4-Chloroaniline	8.14	127	35105	4.83	ng	94
34) Hexachlorobutadiene	8.21	225	74954	25.19	ng	98
35) Caprolactam	8.52	113	44451m	27.01	ng	
36) 4-Chloro-3-methylphenol	8.64	107	150562	26.97	ng	96
37) 2-Methylnaphthalene	8.78	142	275661	24.20	ng	98
39) 1,2,4,5-Tetrachlorobenzene	8.96	216	143294	33.40	ng	98
40) Hexachlorocyclopentadiene	8.94	237	157467	67.26	ng	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

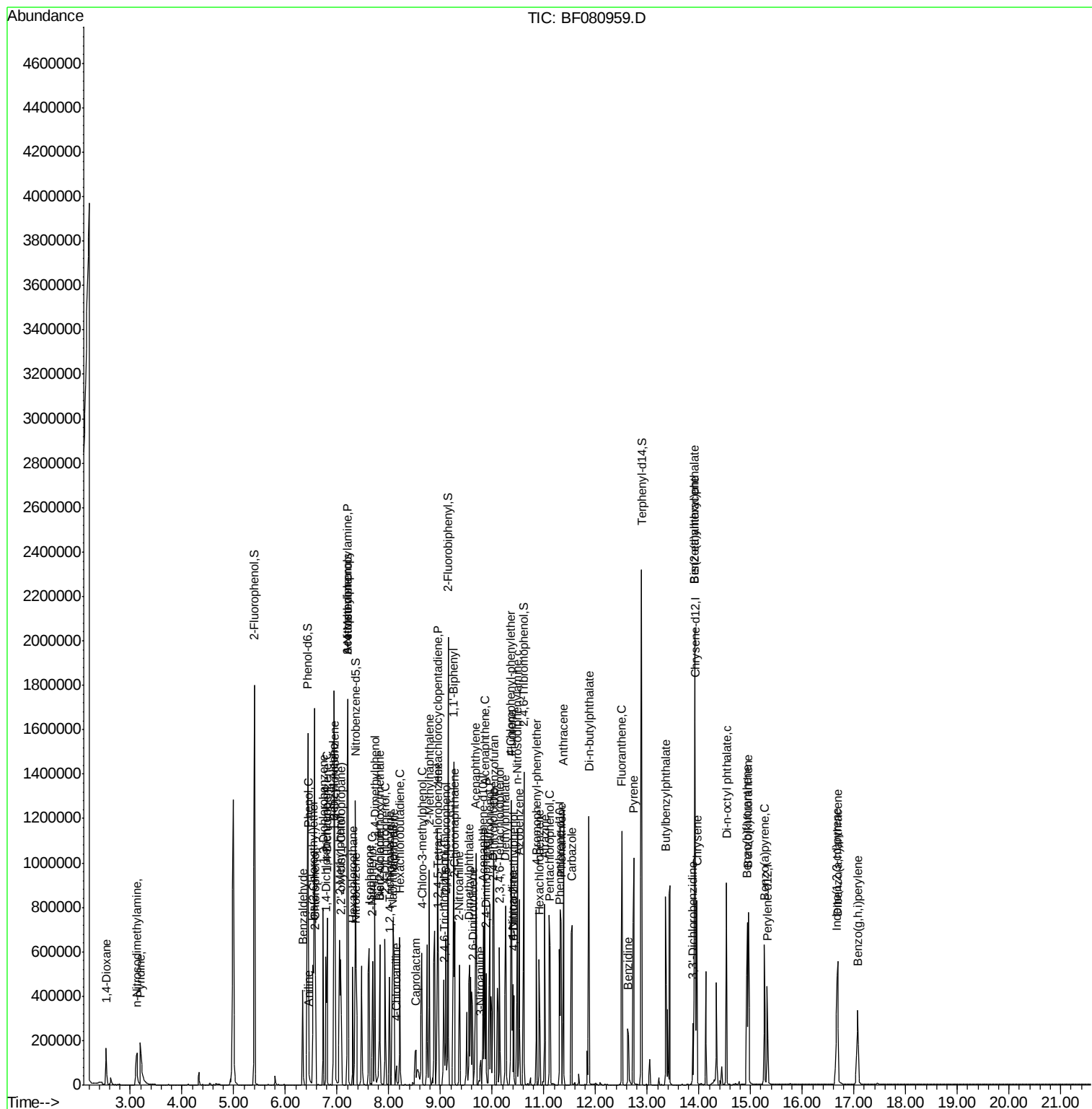
42) 2,4,6-Trichlorophenol	9.07	196	83893	26.68	ng	96
43) 2,4,5-Trichlorophenol	9.10	196	88247	27.85	ng #	82
45) 1,1'-Biphenyl	9.25	154	475513	39.81	ng	99
46) 2-Chloronaphthalene	9.28	162	267427	28.72	ng	99
47) 2-Nitroaniline	9.37	65	99294	26.59	ng	95
48) Acenaphthylene	9.69	152	454612	28.08	ng	100
49) Dimethylphthalate	9.56	163	323897	28.02	ng #	99
50) 2,6-Dinitrotoluene	9.62	165	73663	30.84	ng #	52
51) Acenaphthene	9.86	154	282078	28.45	ng	99
52) 3-Nitroaniline	9.78	138	20824	7.07	ng	80
53) 2,4-Dinitrophenol	9.88	184	48527	37.01	ng #	73
54) Dibenzofuran	10.03	168	392257	29.26	ng	99
55) 4-Nitrophenol	9.95	139	130303	59.12	ng #	59
56) 2,4-Dinitrotoluene	10.02	165	100712	31.51	ng #	72
57) Fluorene	10.37	166	320295	30.88	ng	99
58) 2,3,4,6-Tetrachlorophenol	10.14	232	68063m	27.14	ng	
59) Diethylphthalate	10.26	149	363162	30.18	ng	96
60) 4-Chlorophenyl-phenylether	10.36	204	129464	25.62	ng	96
61) 4-Nitroaniline	10.40	138	76464	25.24	ng	97
62) Azobenzene	10.52	77	377319	28.04	ng	99
64) 4,6-Dinitro-2-methylphenol	10.42	198	36879	23.15	ng #	67
65) n-Nitrosodiphenylamine	10.49	169	279683	31.32	ng	99
66) 4-Bromophenyl-phenylether	10.85	248	82380	30.26	ng	99
67) Hexachlorobenzene	10.91	284	88936	29.39	ng #	53
68) Atrazine	11.01	200	94886	36.25	ng	99
69) Pentachlorophenol	11.12	266	118175	67.16	ng	96
70) Phenanthrene	11.33	178	450560	30.96	ng	100
71) Anthracene	11.38	178	446123	30.96	ng	100
72) Carbazole	11.54	167	449512	32.05	ng	100
73) Di-n-butylphthalate	11.87	149	553648	31.56	ng	99
74) Fluoranthene	12.51	202	514961	32.73	ng	97
76) Benzidine	12.64	184	133848	11.23	ng	96
77) Pyrene	12.74	202	566650	32.39	ng	99
79) Butylbenzylphthalate	13.36	149	232770	27.60	ng #	64
80) Benzo(a)anthracene	13.92	228	462776	30.94	ng	99
81) 3,3'-Dichlorobenzidine	13.88	252	52240	9.60	ng #	97
82) Chrysene	13.96	228	447125	31.22	ng	100
83) Bis(2-ethylhexyl)phthalate	13.92	149	329278	28.06	ng #	95
84) Di-n-octyl phthalate	14.53	149	555990	27.95	ng	100
85) Indeno(1,2,3-cd)pyrene	16.67	276	340632	24.99	ng	98
87) Benzo(b)fluoranthene	14.93	252	424210m	30.07	ng	
88) Benzo(k)fluoranthene	14.96	252	331417m	26.85	ng	
89) Benzo(a)pyrene	15.27	252	350475	28.90	ng #	96
90) Dibenzo(a,h)anthracene	16.68	278	292708	27.29	ng	98
91) Benzo(g,h,i)perylene	17.07	276	283463	27.17	ng	95

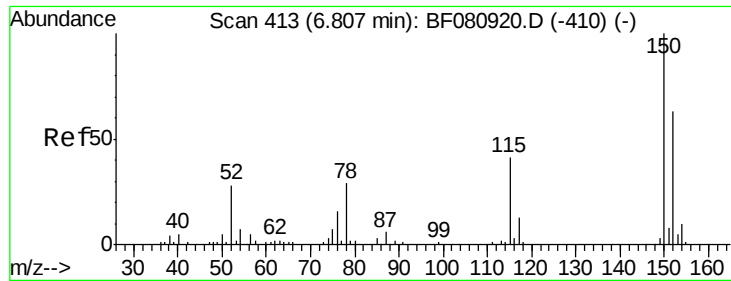
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.78 min Scan# 411

Delta R.T. -0.02 min

Lab File: BF080959.D

Acq: 10 Aug 2015 19:09

Instrument :

BNA_F

ClientSampleId :

SOIL-2MS

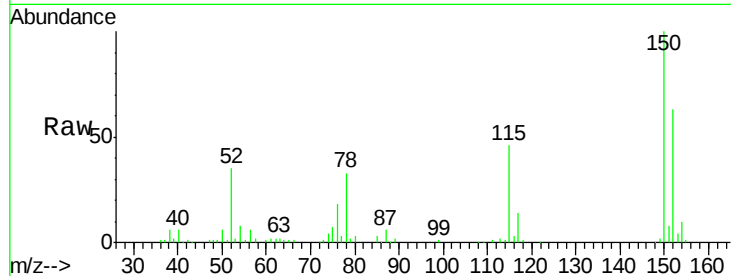
Tgt Ion:152 Resp: 80857

Ion Ratio Lower Upper

152 100

150 157.5 127.4 191.2

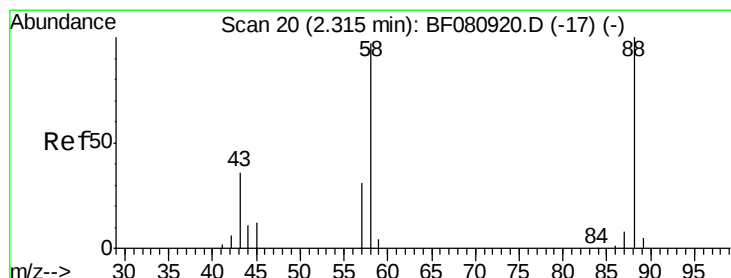
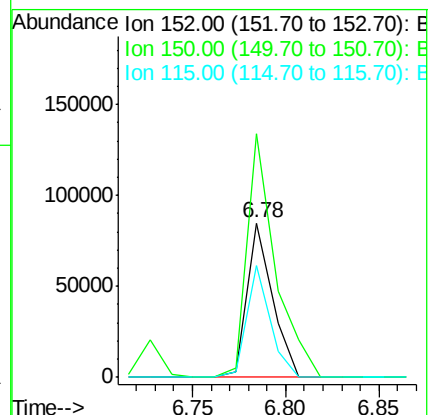
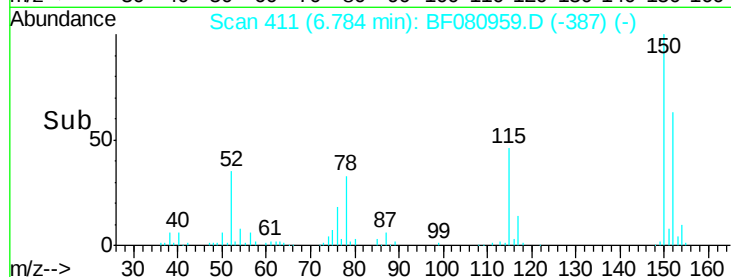
115 72.5 52.6 78.8



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: 29.96 ng

RT: 2.53 min Scan# 39

Delta R.T. 0.22 min

Lab File: BF080959.D

Acq: 10 Aug 2015 19:09

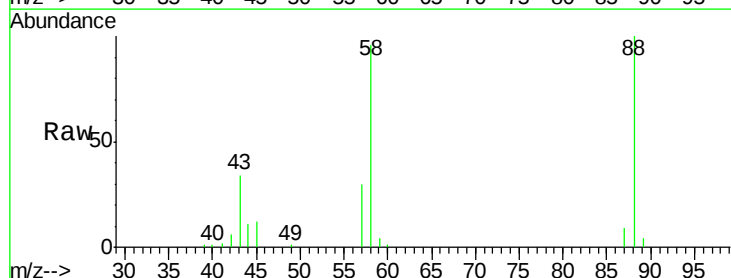
Tgt Ion: 88 Resp: 70322

Ion Ratio Lower Upper

88 100

58 100.6 79.3 118.9

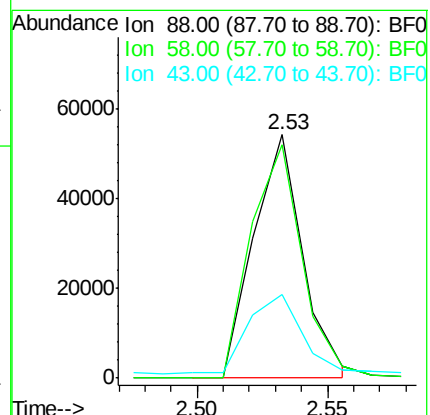
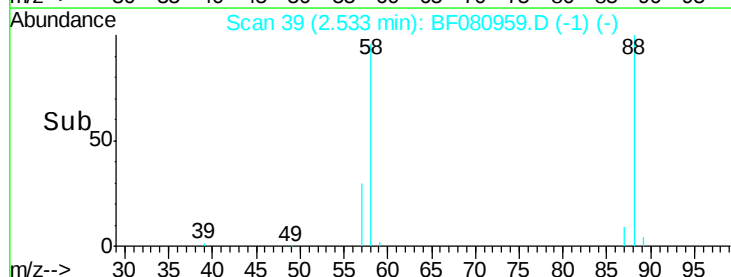
43 0.0 28.3 42.5#



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: 19.79 ng m

RT: 3.20 min Scan# 97

Delta R.T. 0.17 min

Lab File: BF080959.D

Acq: 10 Aug 2015 19:09

Instrument :

BNA_F

ClientSampleId :

SOIL-2MS

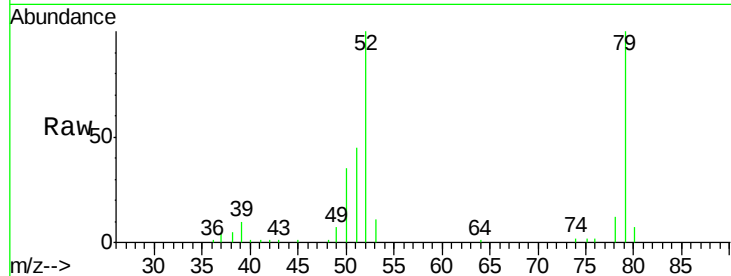
Tgt Ion: 79 Resp: 131706

Ion Ratio Lower Upper

79 100

52 99.8 77.2 115.8

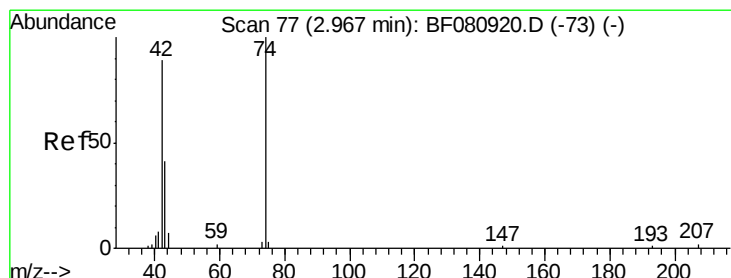
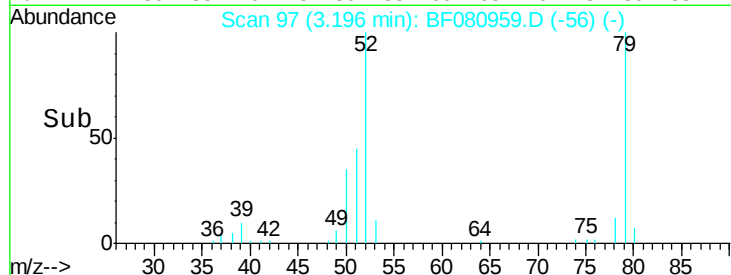
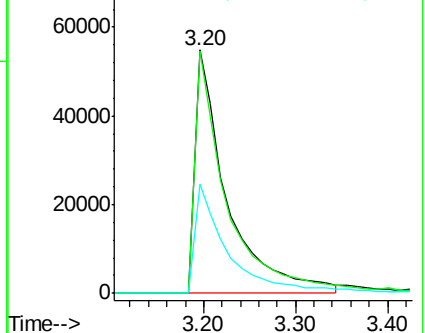
51 44.8 35.0 52.4



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 52.00 (51.70 to 52.70): BF0

Ion 51.00 (50.70 to 51.70): BF0



#4

n-Nitrosodimethylamine

Concen: 27.64 ng

RT: 3.13 min Scan# 91

Delta R.T. 0.16 min

Lab File: BF080959.D

Acq: 10 Aug 2015 19:09

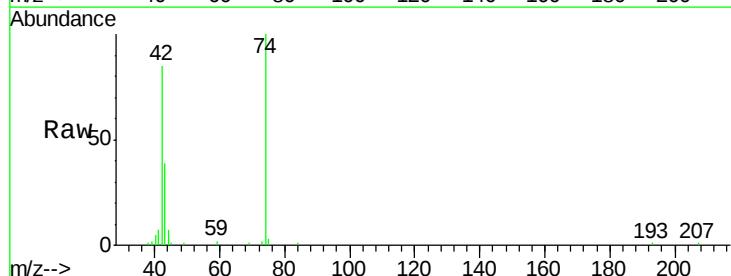
Tgt Ion: 42 Resp: 93924

Ion Ratio Lower Upper

42 100

74 117.1 89.8 134.8

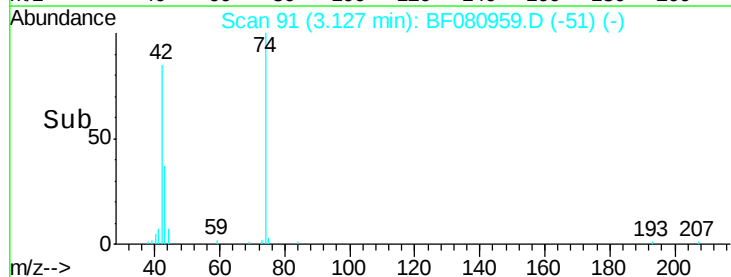
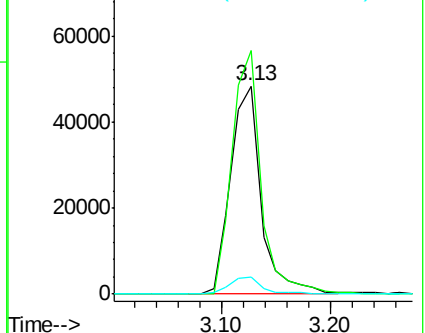
44 8.1 6.5 9.7

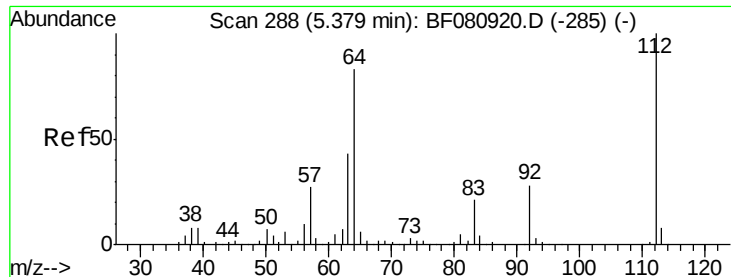


Abundance Ion 42.00 (41.70 to 42.70): BF0

Ion 74.00 (73.70 to 74.70): BF0

Ion 44.00 (43.70 to 44.70): BF0





#5

2-Fluorophenol

Concen: 101.58 ng

RT: 5.40 min Scan# 290

Delta R.T. 0.02 min

Lab File: BF080959.D

Acq: 10 Aug 2015 19:09

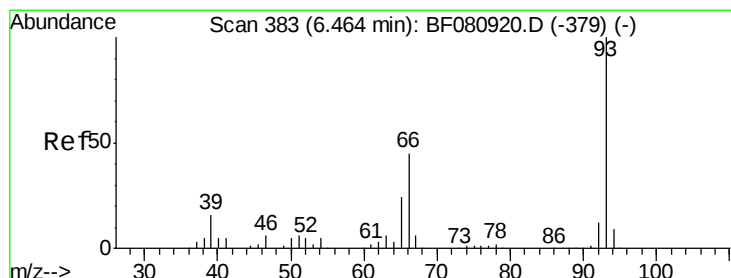
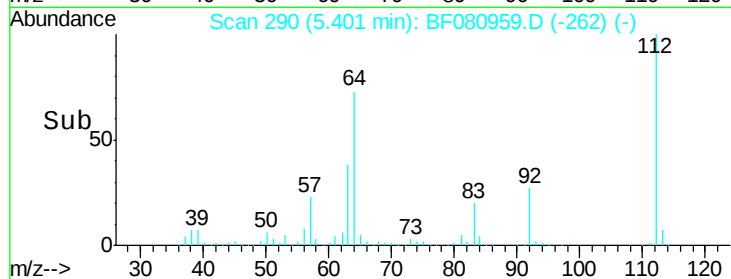
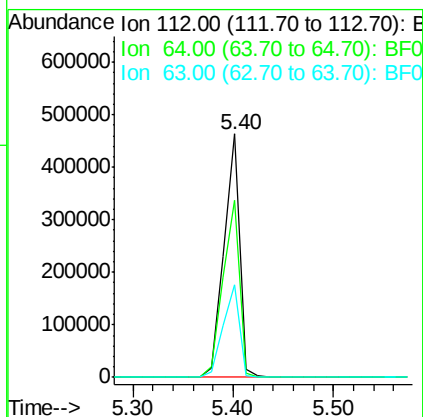
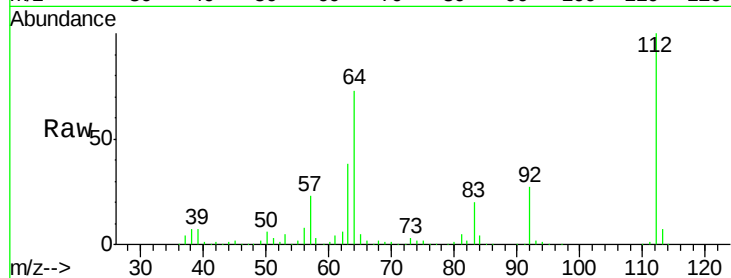
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Tgt Ion:	112	Resp:	502705
Ion	Ratio	Lower	Upper
112	100		
64	72.8	66.1	99.1
63	37.8	34.6	52.0



#6

Aniline

Concen: 6.24 ng

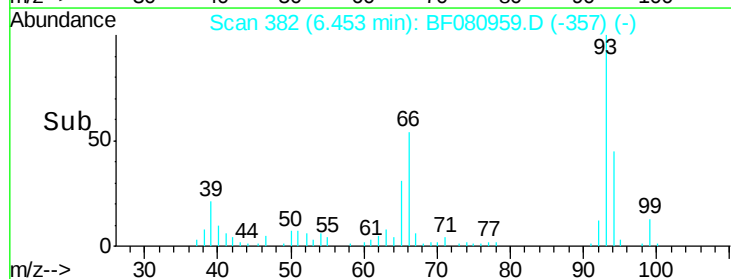
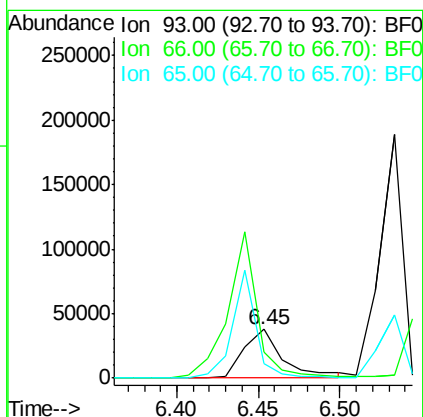
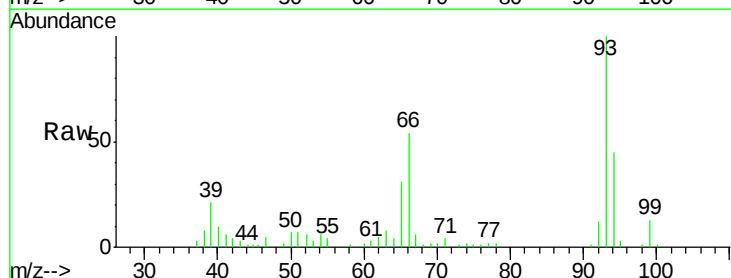
RT: 6.45 min Scan# 382

Delta R.T. -0.01 min

Lab File: BF080959.D

Acq: 10 Aug 2015 19:09

Tgt Ion:	93	Resp:	62213
Ion	Ratio	Lower	Upper
93	100		
66	53.6	36.2	54.4
65	30.9	19.0	28.4





#7

Phenol-d6

Concen: 88.94 ng

RT: 6.43 min Scan# 380

Delta R.T. -0.01 min

Lab File: BF080959.D

Acq: 10 Aug 2015 19:09

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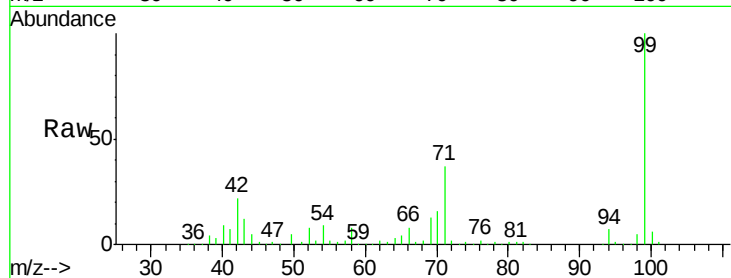
Tgt Ion: 99 Resp: 603174

Ion Ratio Lower Upper

99 100

42 21.6 14.4 21.6

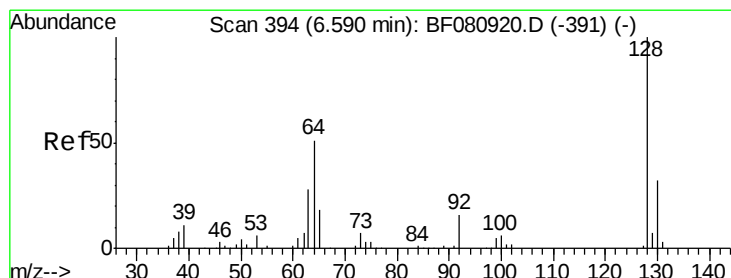
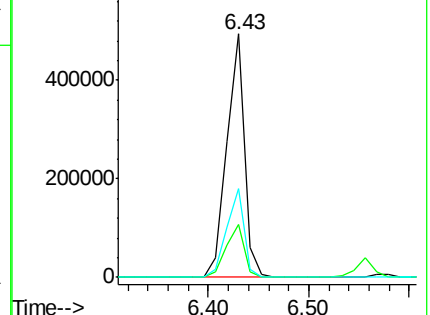
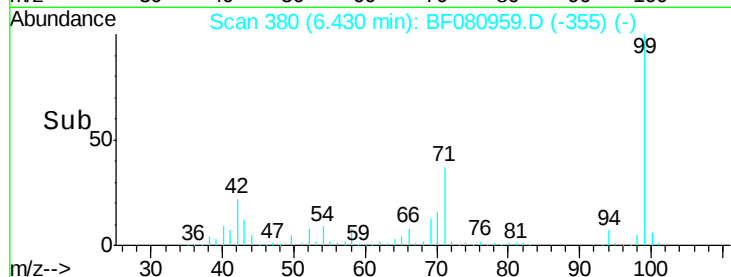
71 36.6 25.8 38.8



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: 26.67 ng

RT: 6.58 min Scan# 393

Delta R.T. -0.01 min

Lab File: BF080959.D

Acq: 10 Aug 2015 19:09

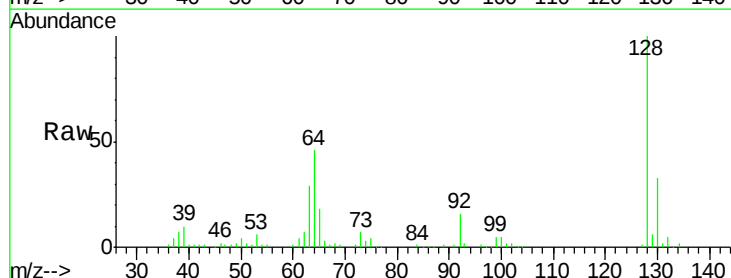
Tgt Ion: 128 Resp: 152719

Ion Ratio Lower Upper

128 100

130 32.9 12.4 52.4

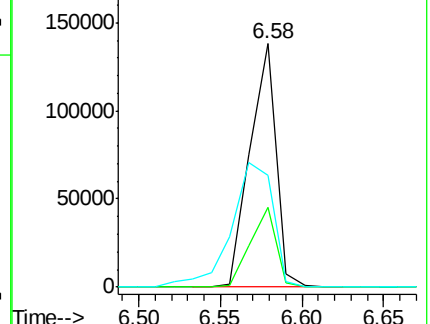
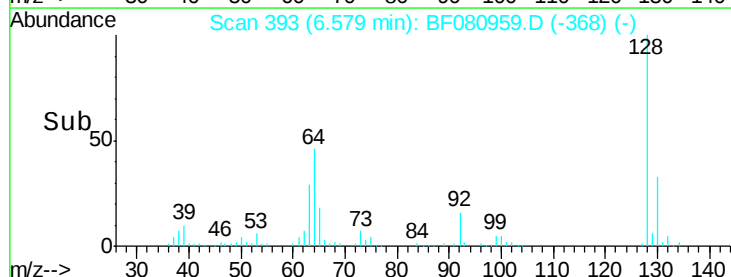
64 46.0 32.1 72.1

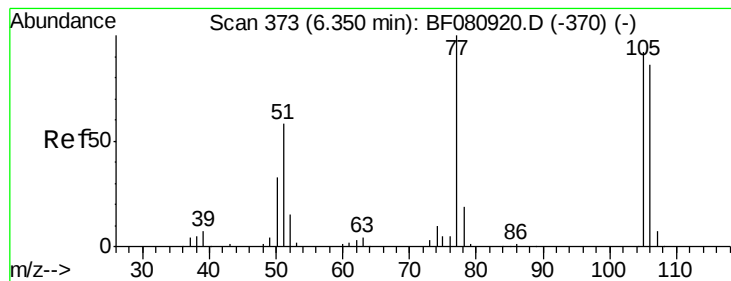


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 25.91 ng

RT: 6.34 min Scan# 372

Delta R.T. -0.01 min

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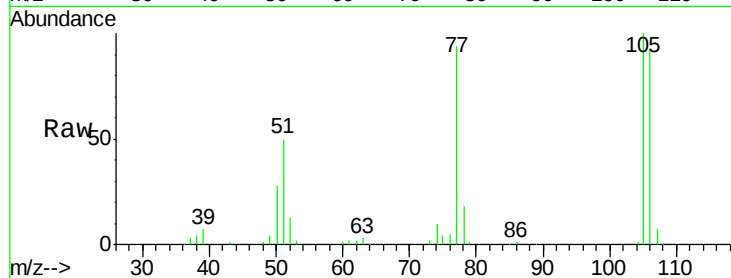
Tgt Ion: 77 Resp: 118461

Ion Ratio Lower Upper

77 100

105 106.5 71.6 111.6

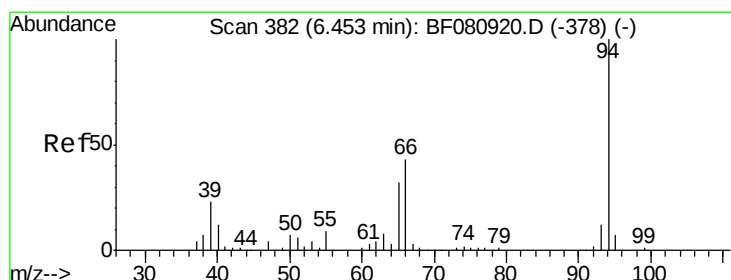
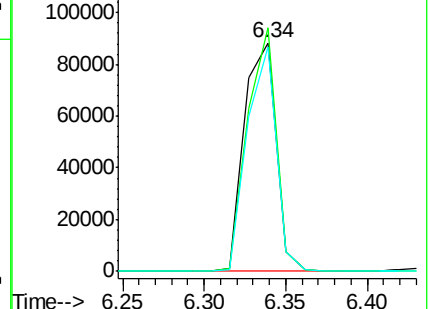
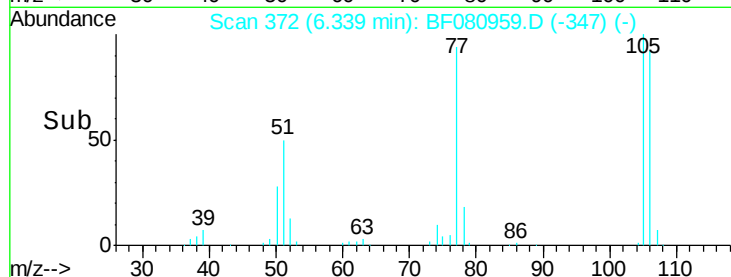
106 98.0 65.7 105.7



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: 25.96 ng

RT: 6.44 min Scan# 381

Delta R.T. -0.01 min

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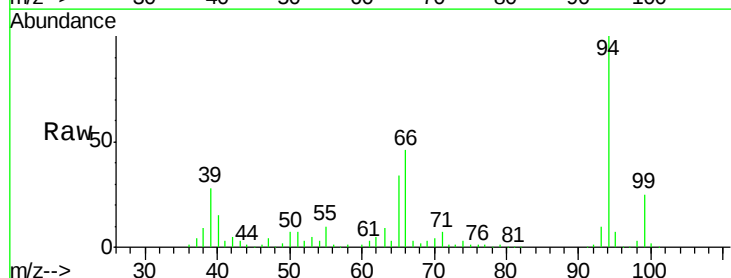
Tgt Ion: 94 Resp: 208878

Ion Ratio Lower Upper

94 100

65 34.3 11.8 51.8

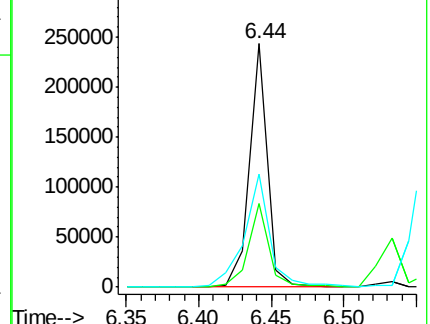
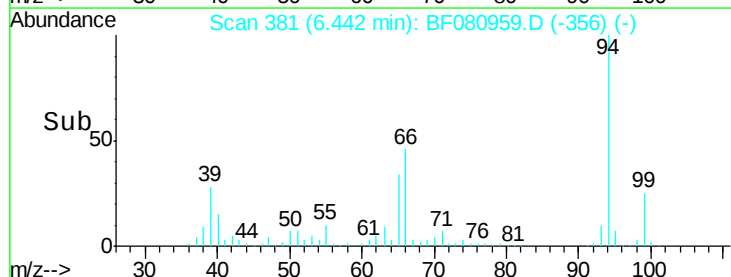
66 46.4 22.9 62.9

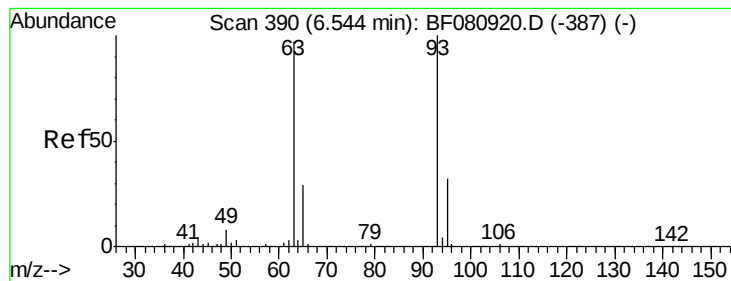


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#11

bis(2-Chloroethyl)ether

Concen: 29.50 ng

RT: 6.53 min Scan# 389

Delta R.T. -0.01 min

Lab File: BF080959.D

Acq: 10 Aug 2015 19:09

Instrument :

BNA_F

ClientSampleId :

SOIL-2MS

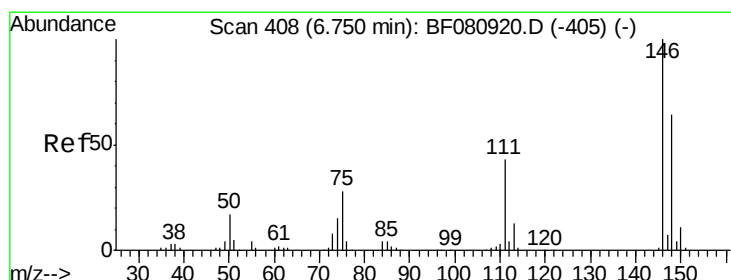
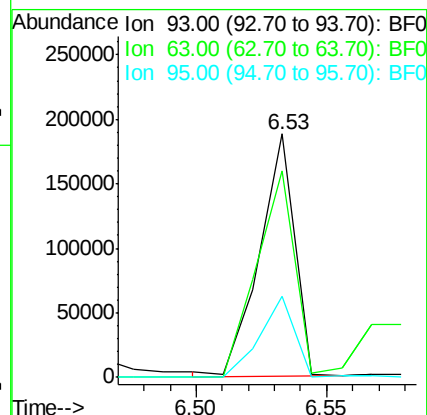
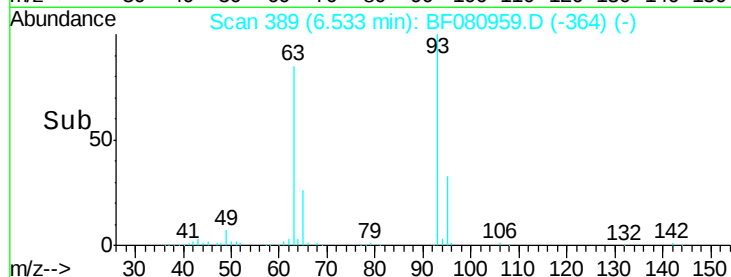
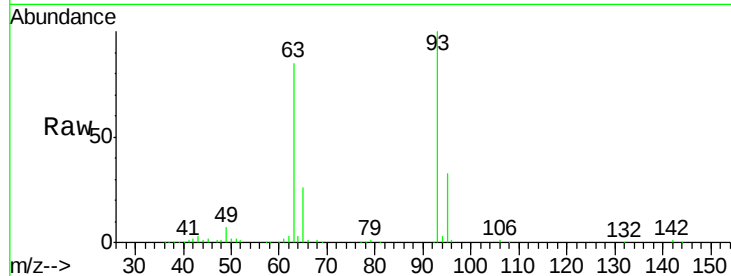
Tgt Ion: 93 Resp: 177229

Ion Ratio Lower Upper

93 100

63 84.7 76.7 116.7

95 33.2 12.3 52.3



#12

1,3-Dichlorobenzene

Concen: 25.47 ng m

RT: 6.73 min Scan# 406

Delta R.T. -0.02 min

Lab File: BF080959.D

Acq: 10 Aug 2015 19:09

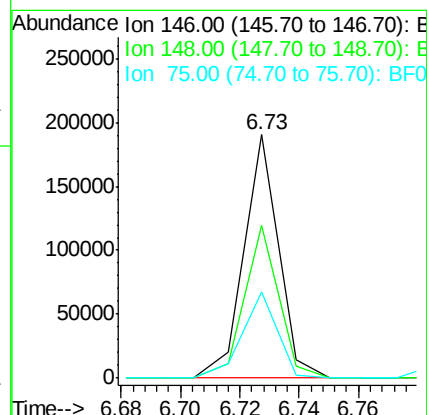
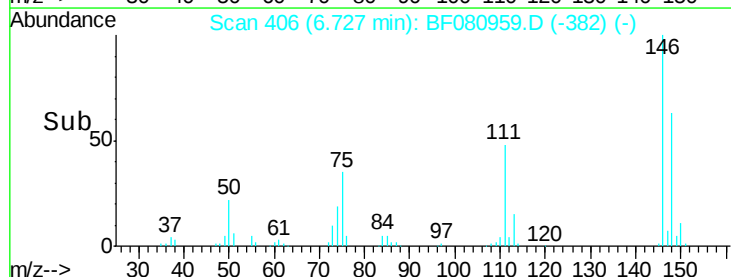
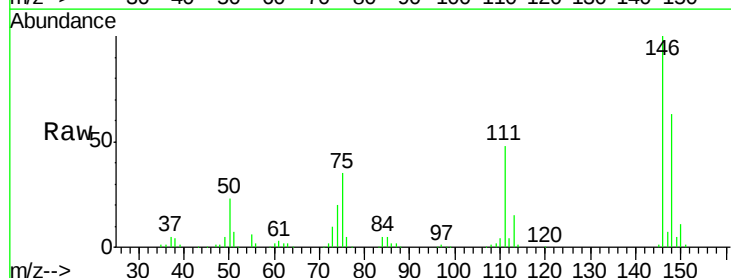
Tgt Ion: 146 Resp: 154792

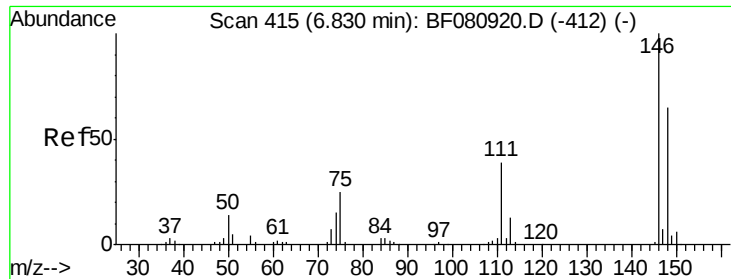
Ion Ratio Lower Upper

146 100

148 62.8 51.4 77.0

75 35.4 22.2 33.4#

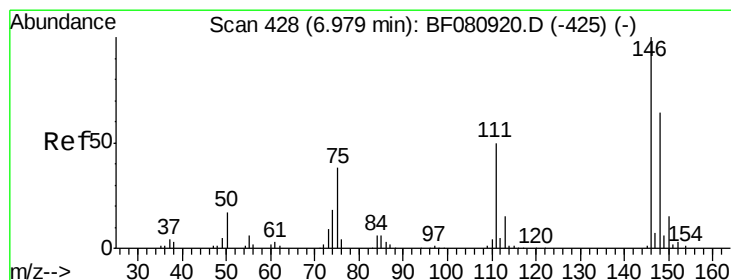
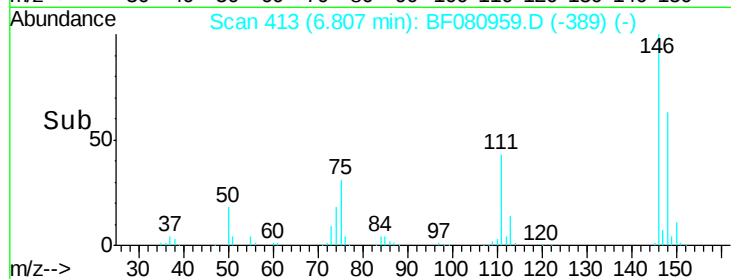
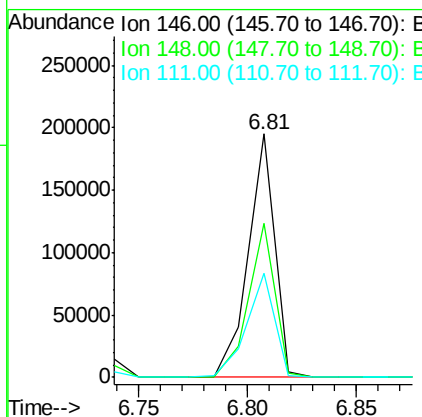
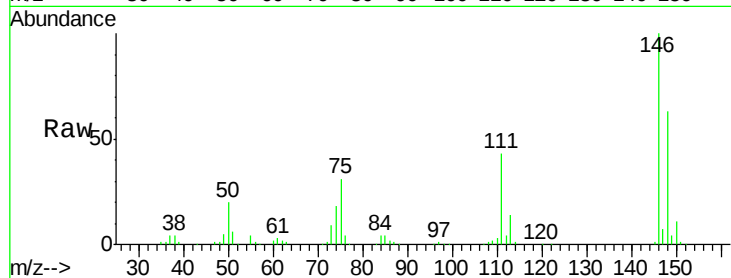




#13
 1,4-Dichlorobenzene
 Concen: 26.06 ng
 RT: 6.81 min Scan# 413
 Delta R.T. -0.02 min
 Lab File: BF080959.D
 Acq: 10 Aug 2015 19:09

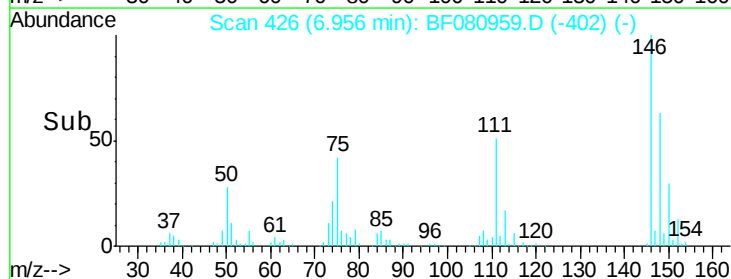
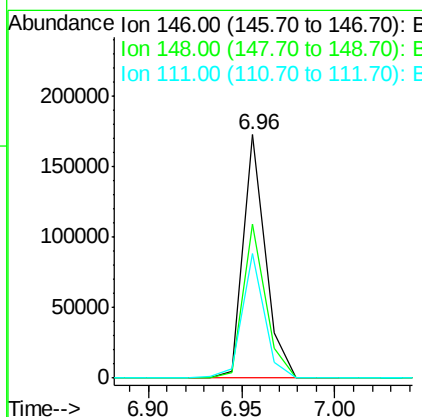
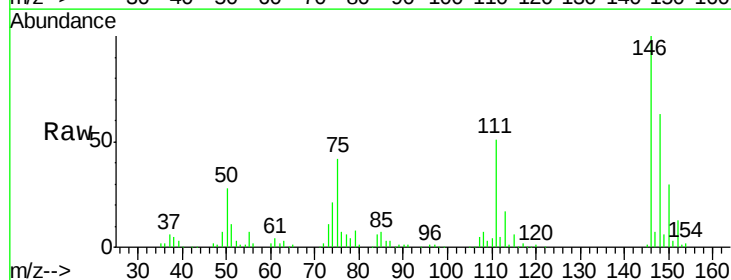
Instrument :
 BNA_F
 ClientSampleId :
 SOIL-2MS

Tgt Ion:146 Resp: 164560
 Ion Ratio Lower Upper
 146 100
 148 63.3 52.2 78.4
 111 42.9 31.5 47.3



#14
 1,2-Dichlorobenzene
 Concen: 25.19 ng
 RT: 6.96 min Scan# 426
 Delta R.T. -0.02 min
 Lab File: BF080959.D
 Acq: 10 Aug 2015 19:09

Tgt Ion:146 Resp: 143798
 Ion Ratio Lower Upper
 146 100
 148 63.0 51.1 76.7
 111 51.3 40.0 60.0

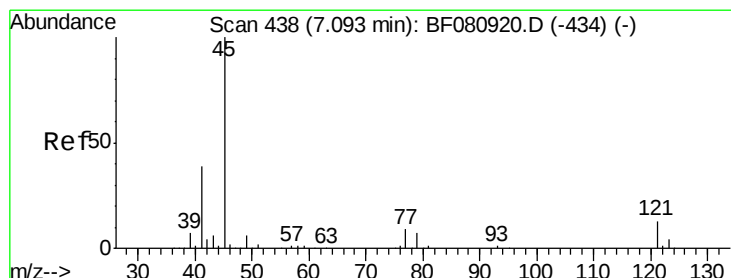
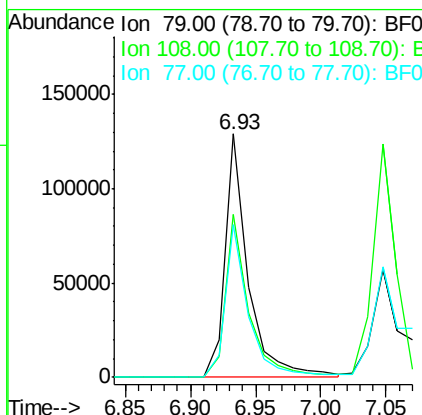
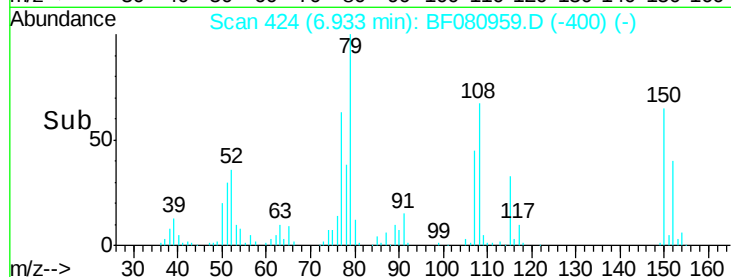
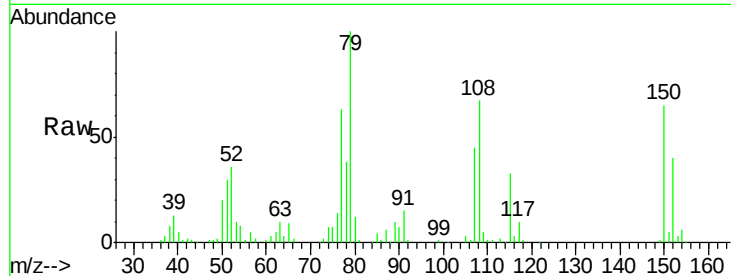




#15
Benzyl Alcohol
Concen: 28.71 ng
RT: 6.93 min Scan# 424
Delta R.T. -0.02 min
Lab File: BF080959.D
Acq: 10 Aug 2015 19:09

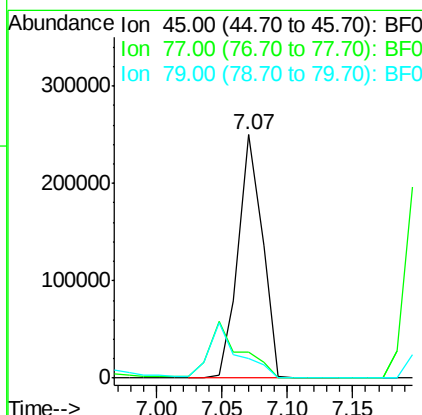
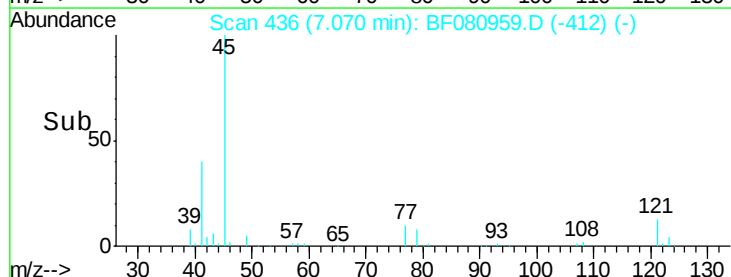
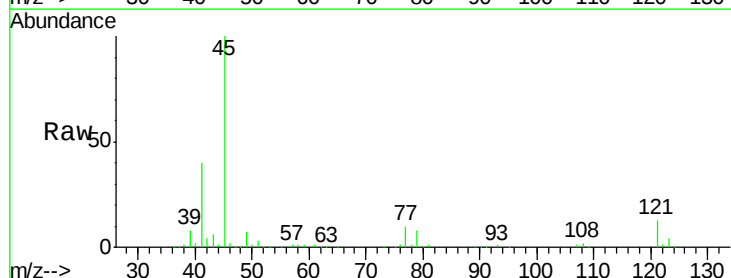
Instrument :
BNA_F
ClientSampleId :
SOIL-2MS

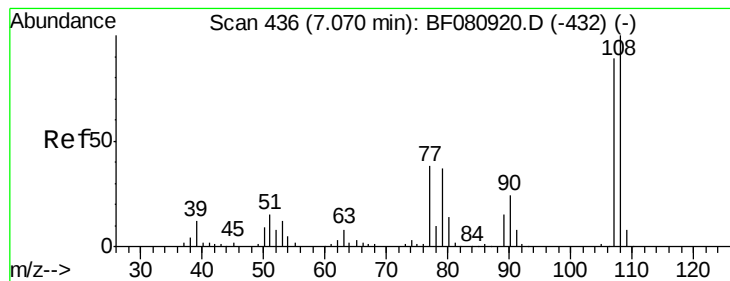
Tgt Ion: 79 Resp: 159350
Ion Ratio Lower Upper
79 100
108 66.8 60.9 91.3
77 62.6 49.4 74.0



#16
2,2'-oxybis(1-Chloropropane)
Concen: 26.70 ng
RT: 7.07 min Scan# 436
Delta R.T. -0.02 min
Lab File: BF080959.D
Acq: 10 Aug 2015 19:09

Tgt Ion: 45 Resp: 322662
Ion Ratio Lower Upper
45 100
77 10.5 0.0 29.6
79 8.0 0.0 27.7





#17

2-Methylphenol

Concen: 27.14 ng

RT: 7.05 min Scan# 434

Delta R.T. -0.02 min

Lab File: BF080959.D

Acq: 10 Aug 2015 19:09

Instrument :

BNA_F

ClientSampleId :

SOIL-2MS

Tgt Ion:107 Resp: 132644

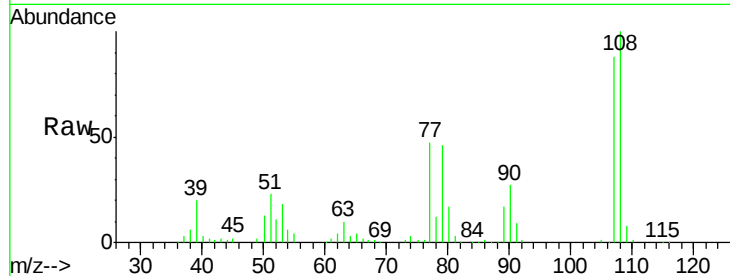
Ion Ratio Lower Upper

107 100

108 113.2 90.3 135.5

77 53.5 34.6 51.8#

79 52.2 33.6 50.4#

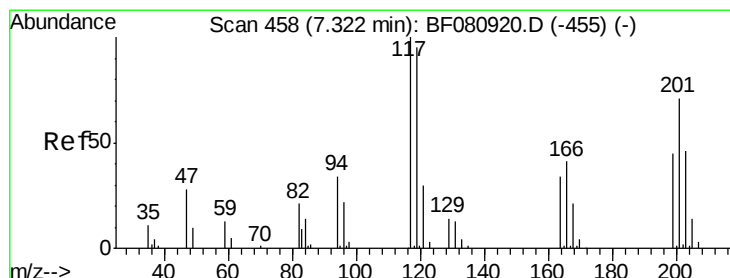
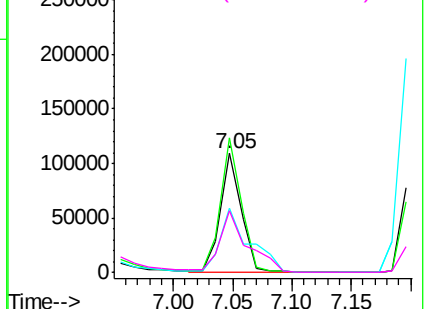
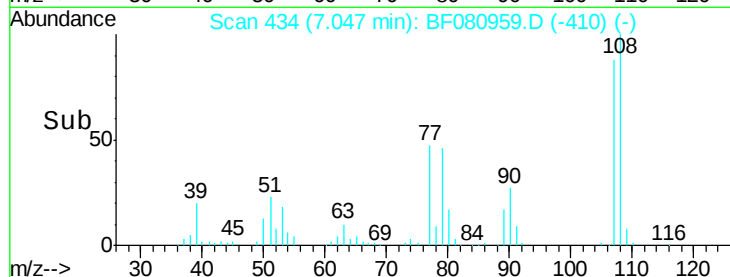


Abundance Ion 107.00 (106.70 to 107.70): E

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: 24.77 ng

RT: 7.30 min Scan# 456

Delta R.T. -0.02 min

Lab File: BF080959.D

Acq: 10 Aug 2015 19:09

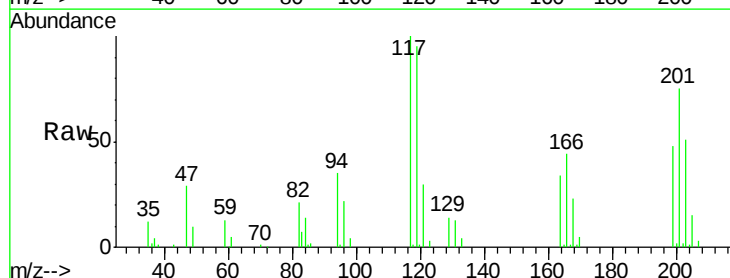
Tgt Ion:117 Resp: 59943

Ion Ratio Lower Upper

117 100

119 94.6 76.3 114.5

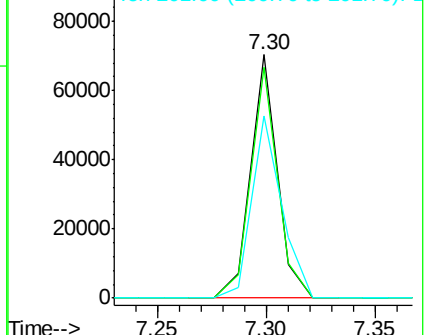
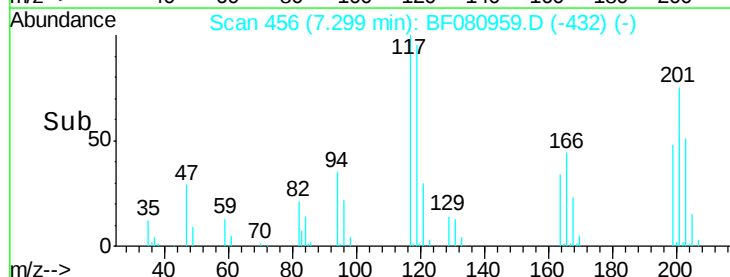
201 75.0 57.0 85.6

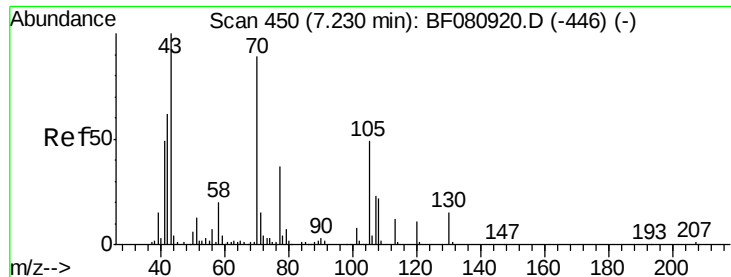


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

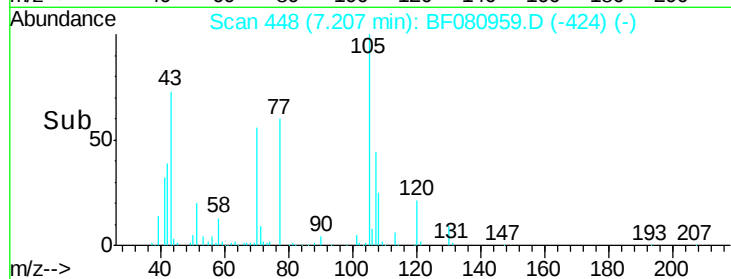
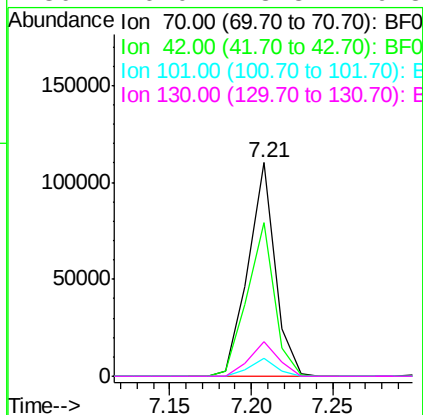
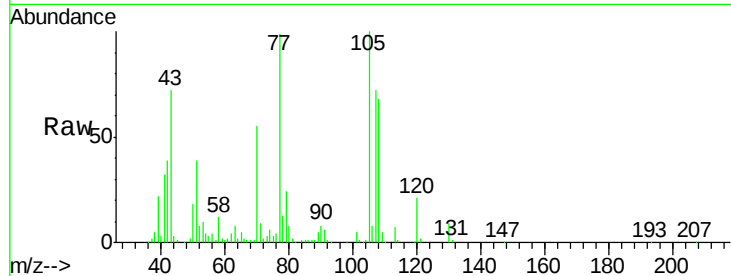




#19
n-Nitroso-di-n-propylamine
Concen: 25.56 ng
RT: 7.21 min Scan# 448
Delta R.T. -0.02 min
Lab File: BF080959.D
Acq: 10 Aug 2015 19:09

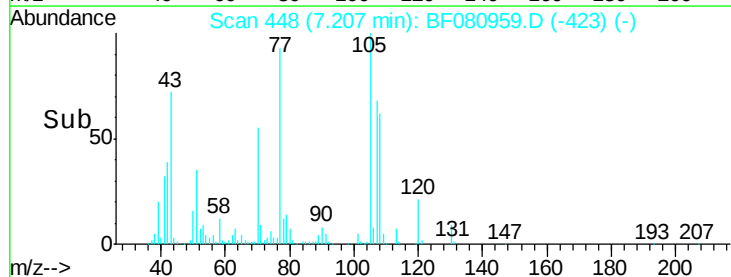
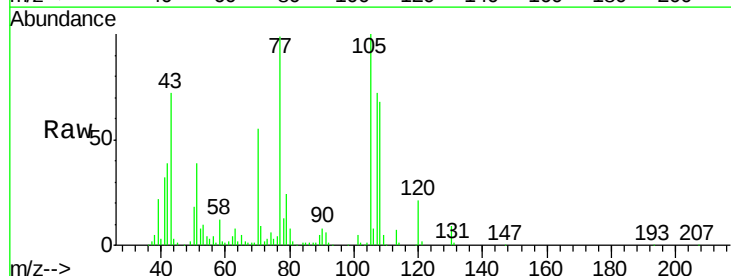
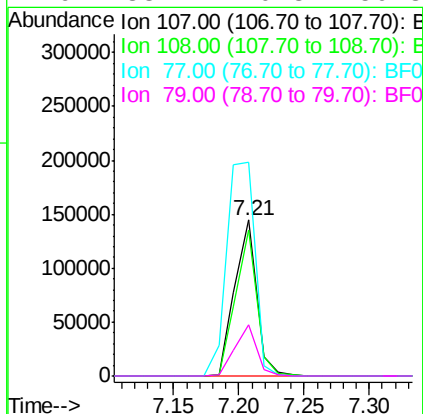
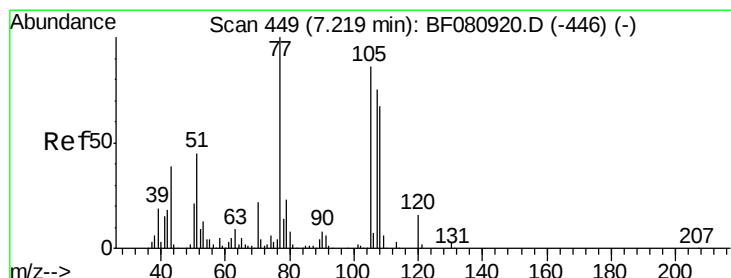
Instrument :
BNA_F
ClientSampleId :
SOIL-2MS

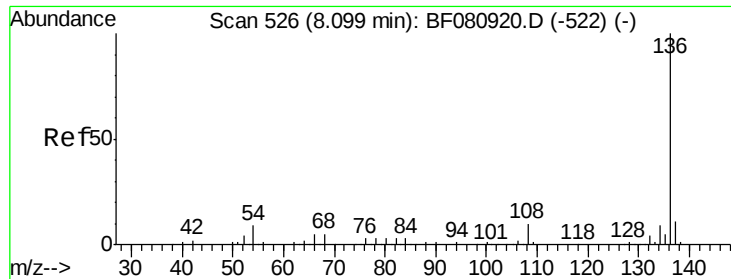
Tgt Ion: 70 Resp: 126692
Ion Ratio Lower Upper
70 100
42 71.7 55.7 83.5
101 8.5 7.0 10.6
130 16.0 13.8 20.8



#20
3+4-Methylphenols
Concen: 27.38 ng
RT: 7.21 min Scan# 448
Delta R.T. -0.01 min
Lab File: BF080959.D
Acq: 10 Aug 2015 19:09

Tgt Ion:107 Resp: 168143
Ion Ratio Lower Upper
107 100
108 93.8 69.2 109.2
77 137.1 113.0 153.0
79 33.1 10.3 50.3

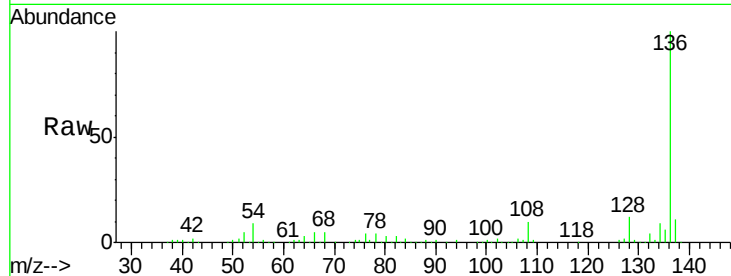




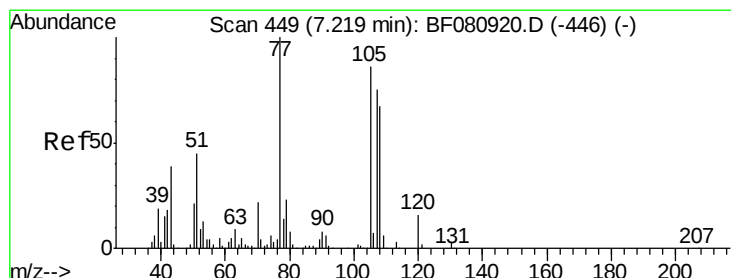
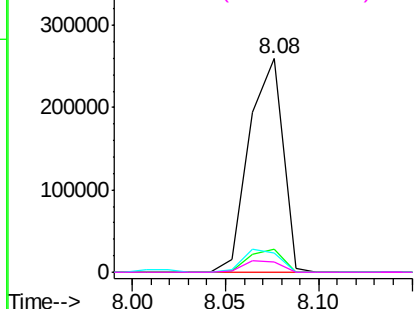
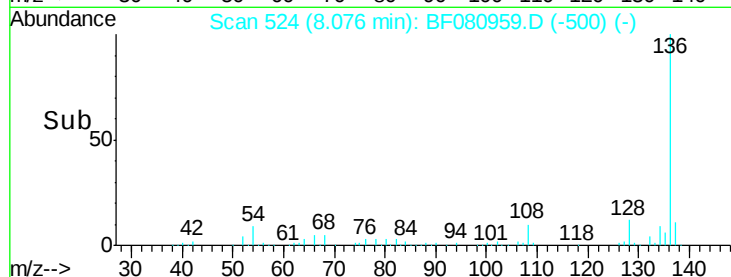
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.08 min Scan# 524
Delta R.T. -0.02 min
Lab File: BF080959.D
Acq: 10 Aug 2015 19:09

Instrument :
BNA_F
ClientSampleId :
SOIL-2MS

Tgt Ion:	136	Resp:	324690
Ion Ratio	Lower	Upper	
136	100		
137	10.7	8.5	12.7
54	9.0	7.1	10.7
68	4.6	3.8	5.8

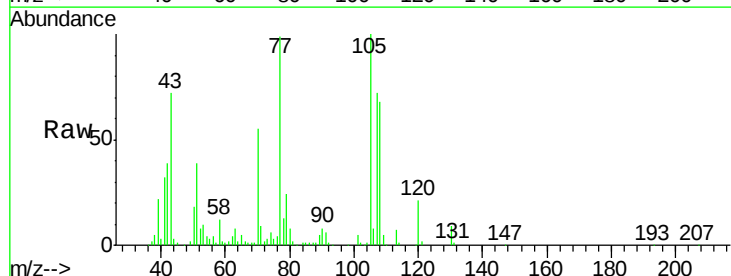


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

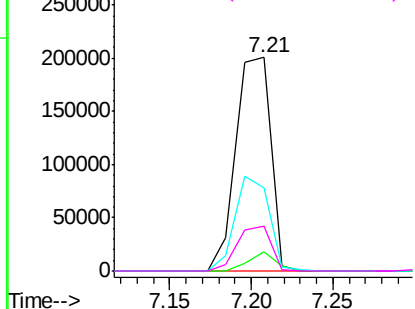
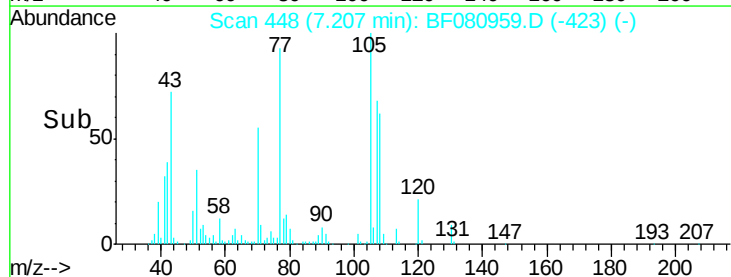


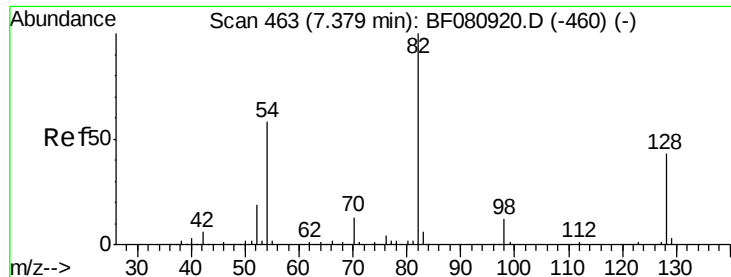
#22
Acetophenone
Concen: 37.36 ng
RT: 7.21 min Scan# 448
Delta R.T. -0.01 min
Lab File: BF080959.D
Acq: 10 Aug 2015 19:09

Tgt Ion:	105	Resp:	297259
Ion Ratio	Lower	Upper	
105	100		
71	9.0	3.3	4.9#
51	38.9	41.8	62.6#
120	21.0	15.1	22.7



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

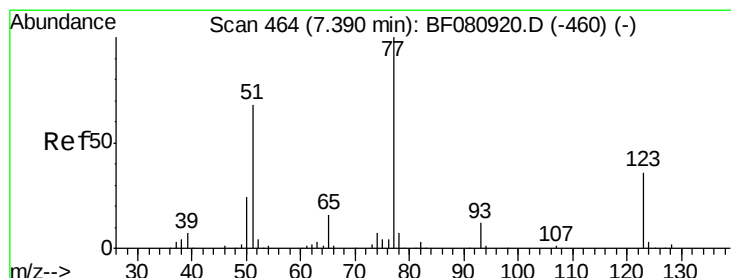
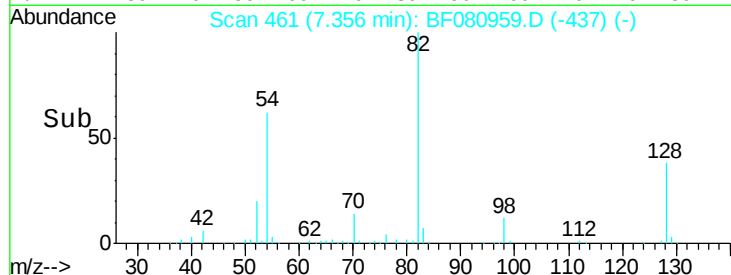
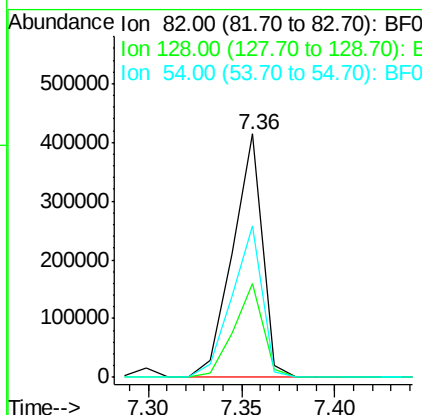
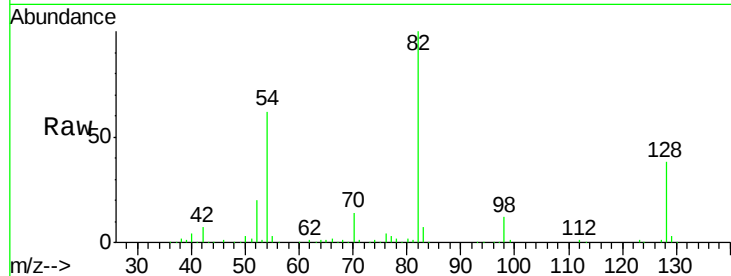




#23
 Nitrobenzene-d5
 Concen: 67.38 ng
 RT: 7.36 min Scan# 461
 Delta R.T. -0.02 min
 Lab File: BF080959.D
 Acq: 10 Aug 2015 19:09

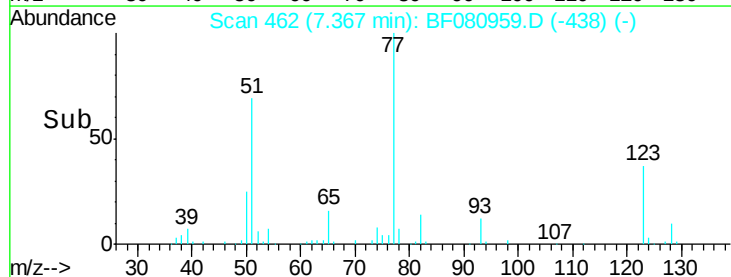
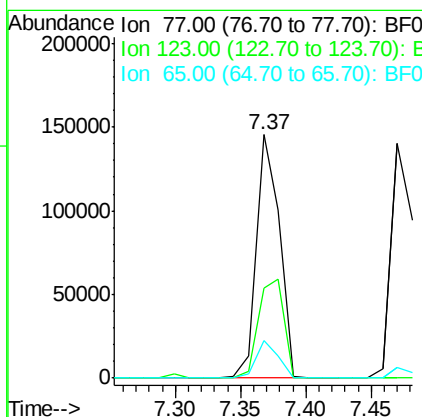
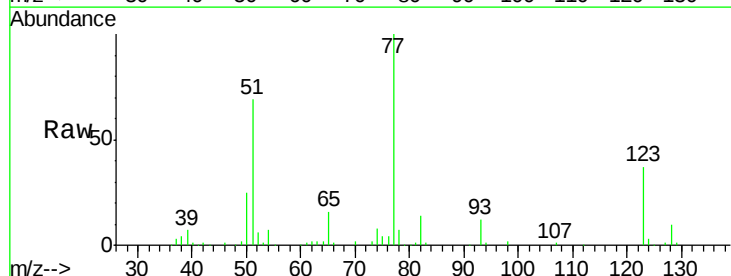
Instrument :
 BNA_F
 ClientSampleId :
 SOIL-2MS

Tgt Ion: 82 Resp: 462546
 Ion Ratio Lower Upper
 82 100
 128 38.4 34.1 51.1
 54 62.3 46.5 69.7



#24
 Nitrobenzene
 Concen: 25.37 ng
 RT: 7.37 min Scan# 462
 Delta R.T. -0.02 min
 Lab File: BF080959.D
 Acq: 10 Aug 2015 19:09

Tgt Ion: 77 Resp: 179327
 Ion Ratio Lower Upper
 77 100
 123 36.8 28.7 43.1
 65 15.5 12.5 18.7





#25

Isophorone

Concen: 26.84 ng

RT: 7.62 min Scan# 484

Delta R.T. -0.02 min

Lab File: BF080959.D

Acq: 10 Aug 2015 19:09

Instrument :

BNA_F

ClientSampleId :

SOIL-2MS

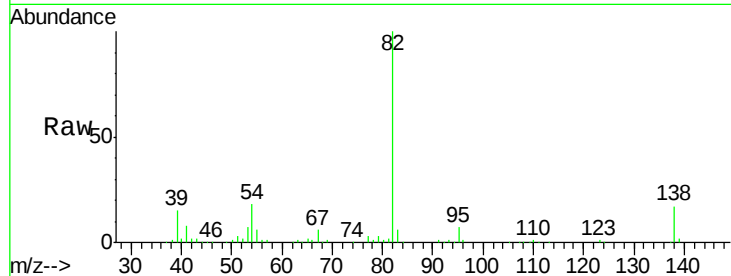
Tgt Ion: 82 Resp: 354298

Ion Ratio Lower Upper

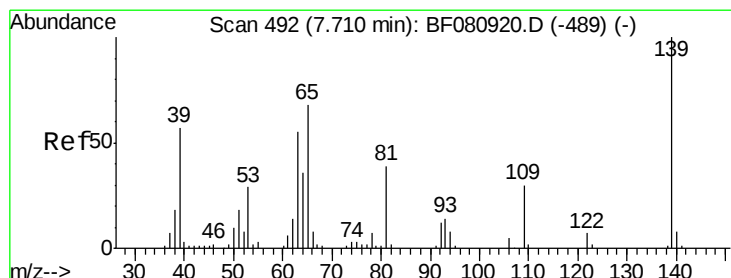
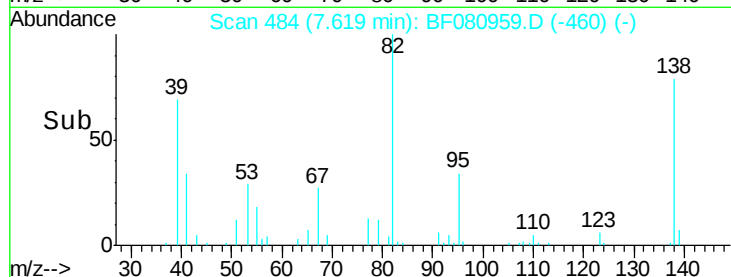
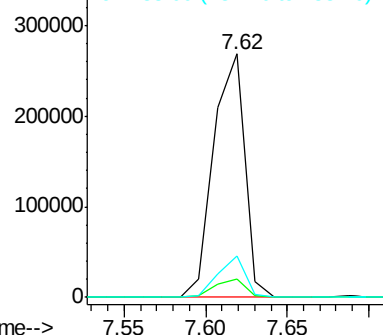
82 100

95 7.5 5.8 8.6

138 17.1 14.1 21.1



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): BF0



#26

2-Nitrophenol

Concen: 27.28 ng

RT: 7.69 min Scan# 490

Delta R.T. -0.02 min

Lab File: BF080959.D

Acq: 10 Aug 2015 19:09

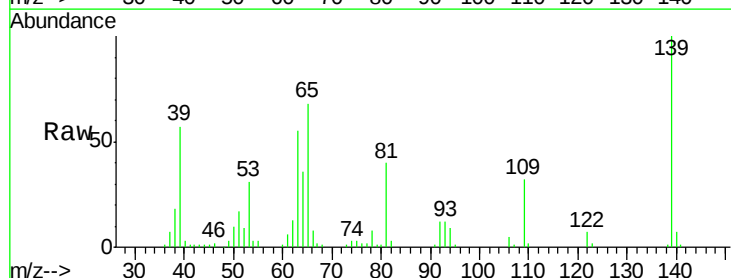
Tgt Ion: 139 Resp: 81123

Ion Ratio Lower Upper

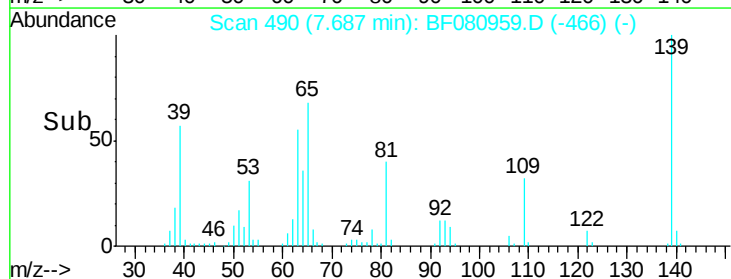
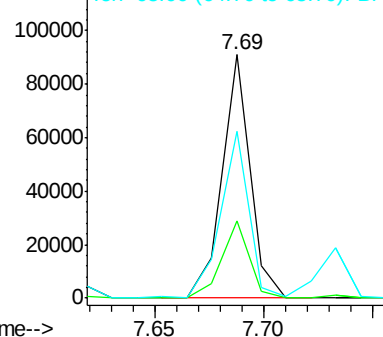
139 100

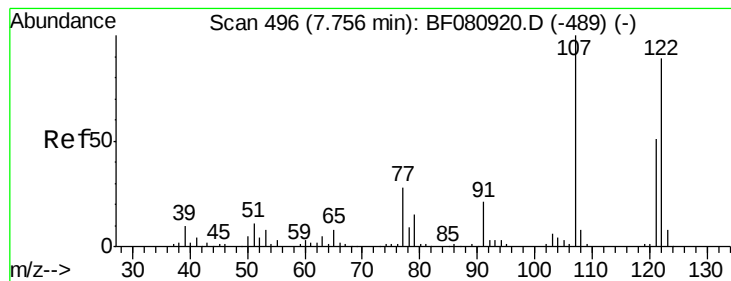
109 31.5 24.1 36.1

65 68.4 54.0 81.0



Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0





#27

2,4-Dimethylphenol

Concen: 29.01 ng

RT: 7.73 min Scan# 494

Delta R.T. -0.02 min

Lab File: BF080959.D

Acq: 10 Aug 2015 19:09

Instrument :

BNA_F

ClientSampleId :

SOIL-2MS

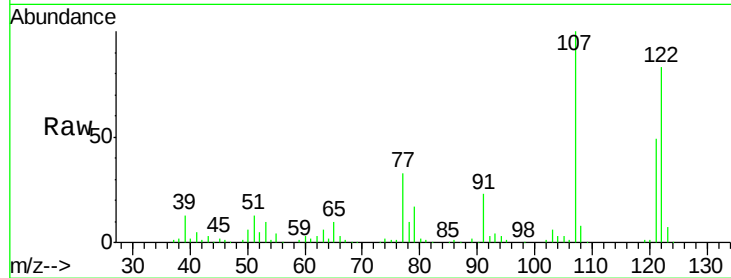
Tgt Ion:122 Resp: 161509

Ion Ratio Lower Upper

122 100

107 120.1 90.2 135.4

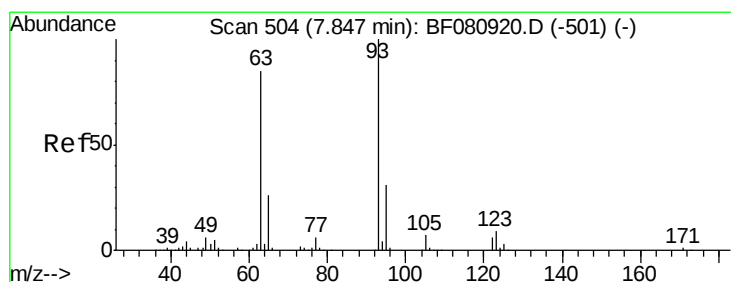
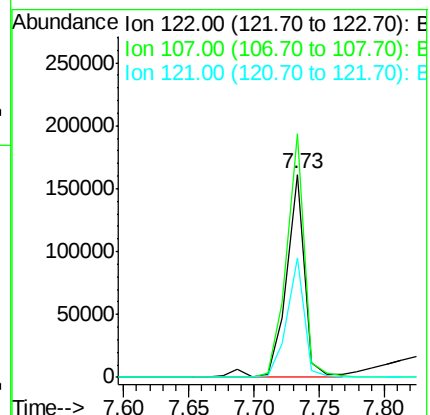
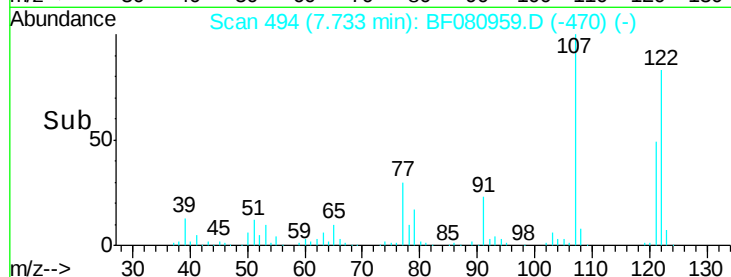
121 59.2 46.0 69.0



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: 24.84 ng

RT: 7.82 min Scan# 502

Delta R.T. -0.02 min

Lab File: BF080959.D

Acq: 10 Aug 2015 19:09

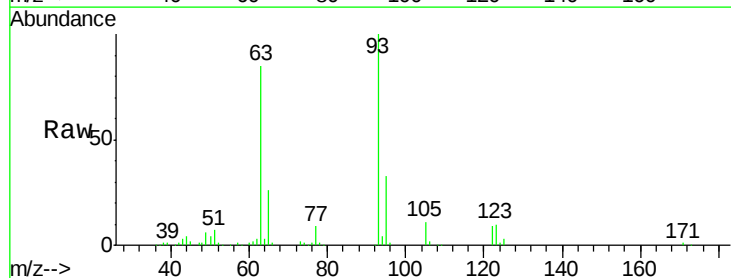
Tgt Ion: 93 Resp: 196841

Ion Ratio Lower Upper

93 100

95 33.0 25.0 37.4

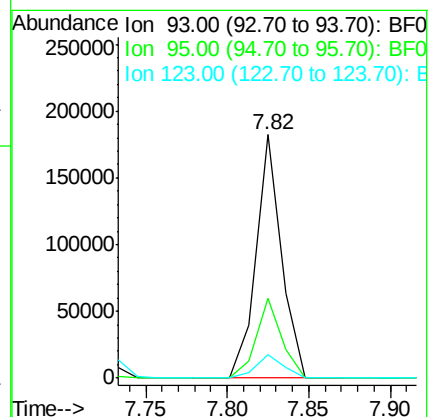
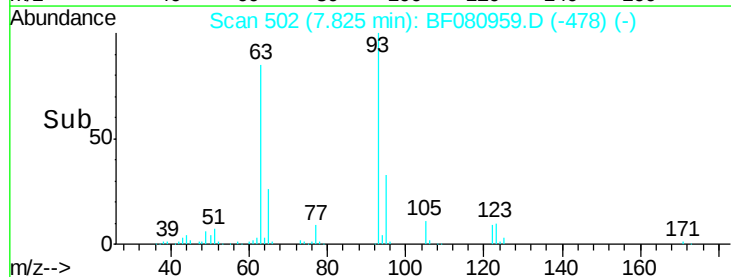
123 9.9 7.4 11.0



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

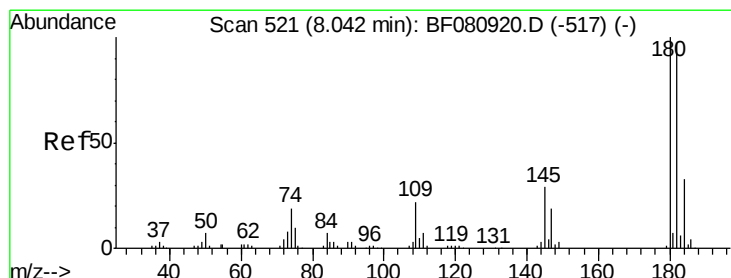
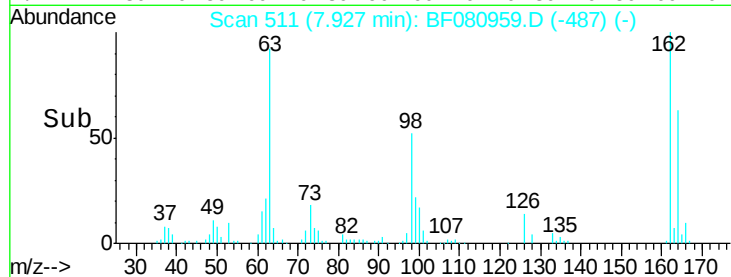
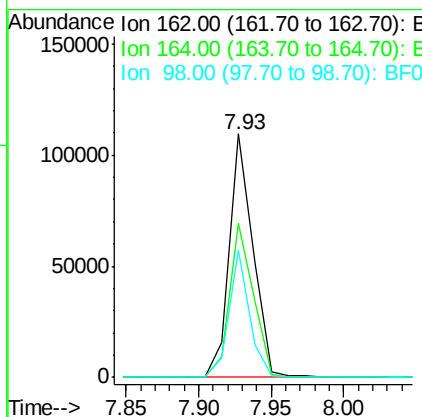
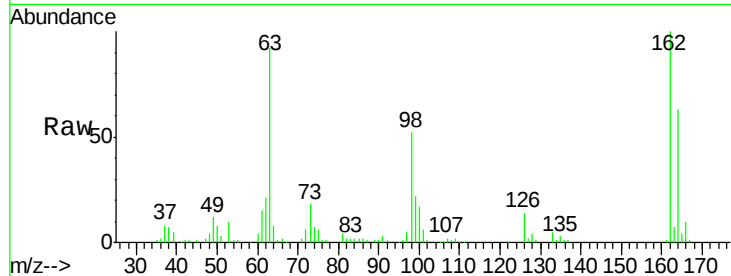




#29
 2,4-Dichlorophenol
 Concen: 27.08 ng
 RT: 7.93 min Scan# 511
 Delta R.T. -0.02 min
 Lab File: BF080959.D
 Acq: 10 Aug 2015 19:09

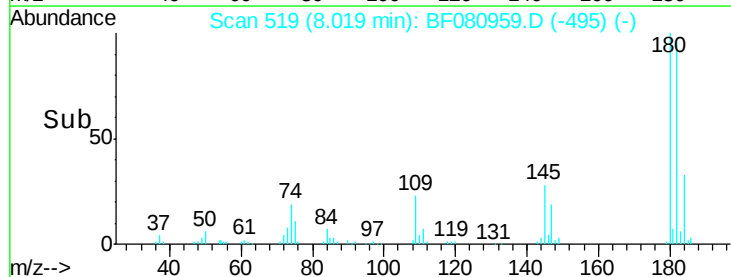
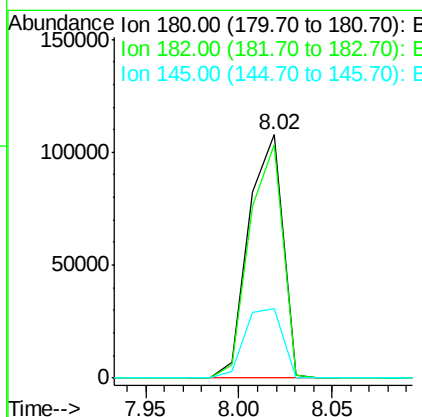
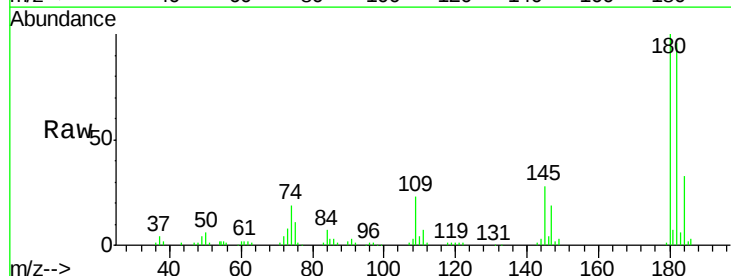
Instrument :
 BNA_F
 ClientSampleId :
 SOIL-2MS

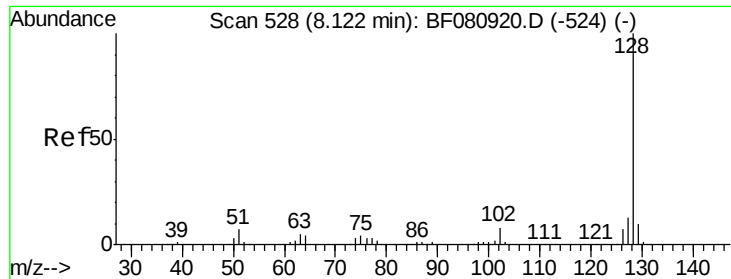
Tgt Ion	Ratio	Lower	Upper
162	100		
164	63.5	42.3	82.3
98	52.1	27.7	67.7



#30
 1,2,4-Trichlorobenzene
 Concen: 27.23 ng
 RT: 8.02 min Scan# 519
 Delta R.T. -0.02 min
 Lab File: BF080959.D
 Acq: 10 Aug 2015 19:09

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	77.4	116.0
145	28.5	23.2	34.8

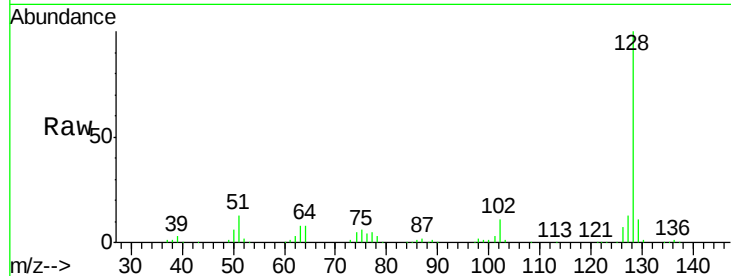




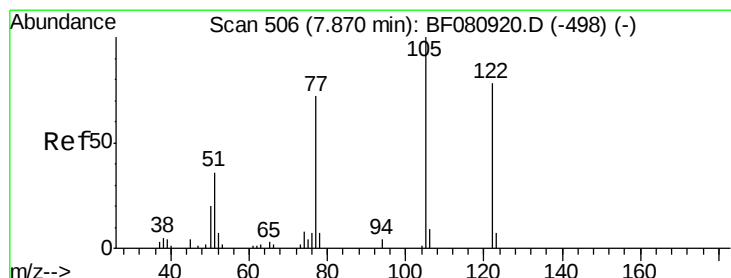
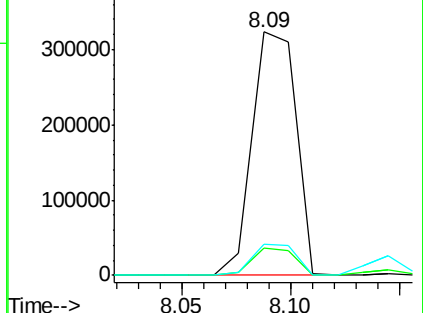
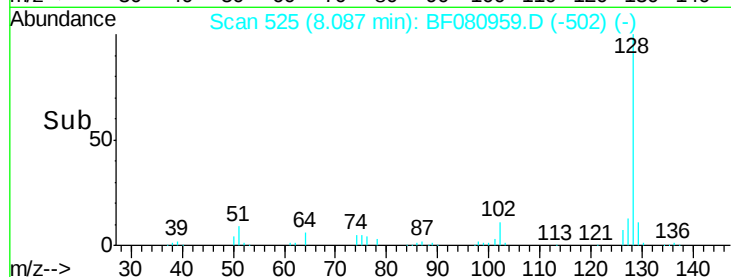
#31
Naphthalene
Concen: 25.49 ng
RT: 8.09 min Scan# 525
Delta R.T. -0.03 min
Lab File: BF080959.D
Acq: 10 Aug 2015 19:09

Instrument :
BNA_F
ClientSampleId :
SOIL-2MS

Tgt Ion:128 Resp: 456212
Ion Ratio Lower Upper
128 100
129 11.3 8.4 12.6
127 12.9 10.5 15.7

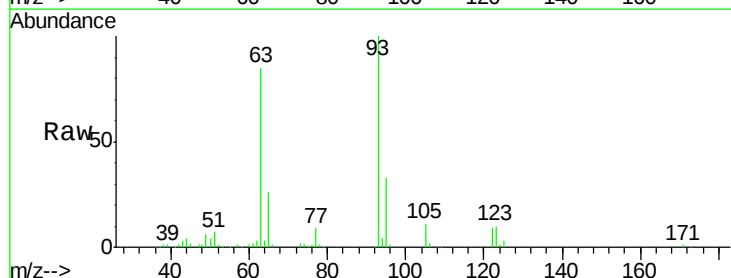


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

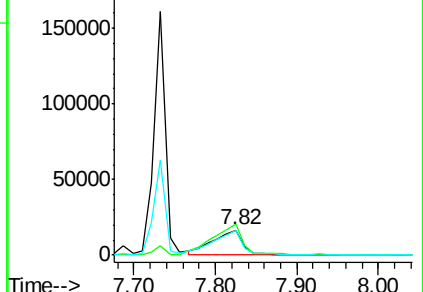
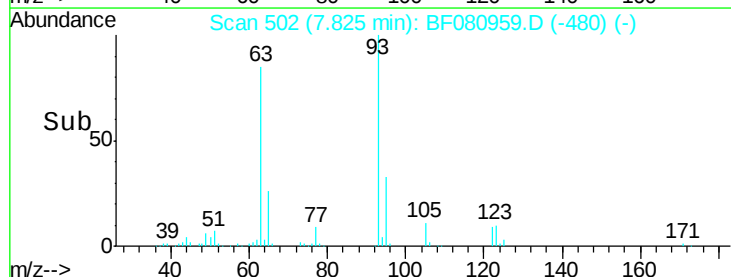


#32
Benzoic acid
Concen: 13.05 ng
RT: 7.82 min Scan# 502
Delta R.T. -0.05 min
Lab File: BF080959.D
Acq: 10 Aug 2015 19:09

Tgt Ion:122 Resp: 43508
Ion Ratio Lower Upper
122 100
105 122.8 103.6 143.6
77 100.1 70.4 110.4



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

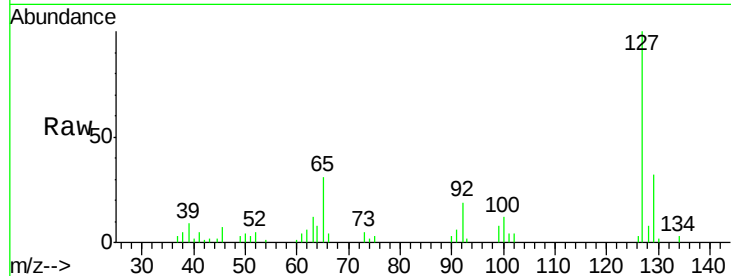




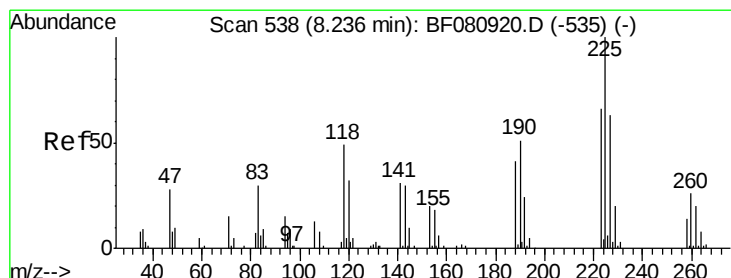
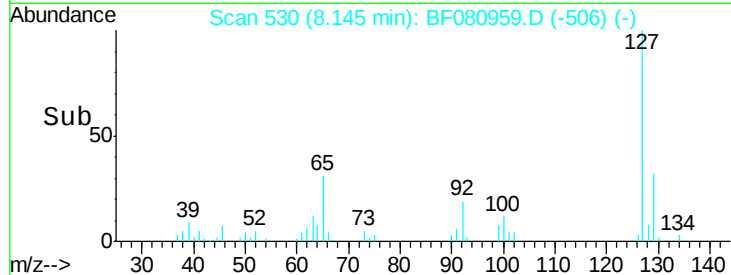
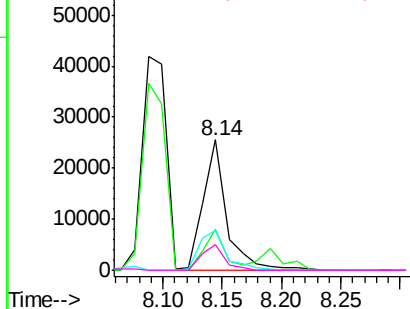
#33
4-Chloroaniline
Concen: 4.83 ng
RT: 8.14 min Scan# 530
Delta R.T. -0.02 min
Lab File: BF080959.D
Acq: 10 Aug 2015 19:09

Instrument :
BNA_F
ClientSampleId :
SOIL-2MS

Tgt Ion:	127	Resp:	35105
Ion	Ratio	Lower	Upper
127	100		
129	31.9	25.9	38.9
65	30.8	30.6	45.8
92	19.4	16.9	25.3

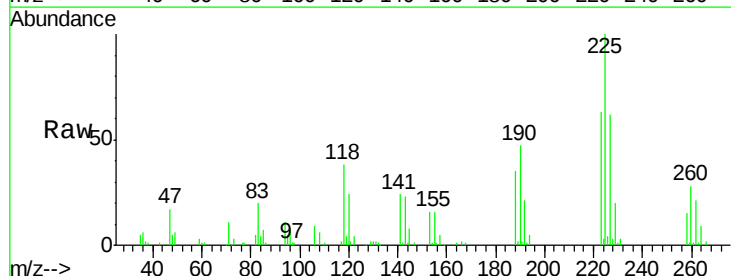


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0

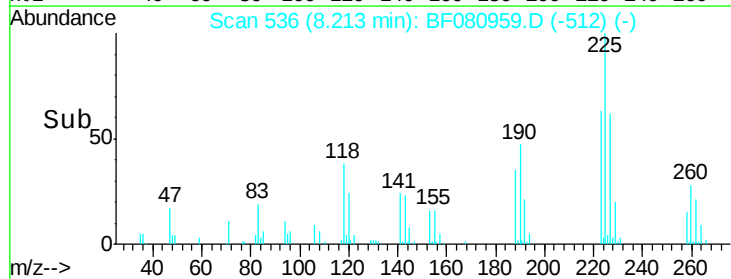
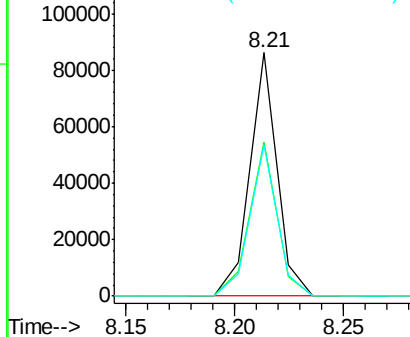


#34
Hexachlorobutadiene
Concen: 25.19 ng
RT: 8.21 min Scan# 536
Delta R.T. -0.02 min
Lab File: BF080959.D
Acq: 10 Aug 2015 19:09

Tgt Ion:	225	Resp:	74954
Ion	Ratio	Lower	Upper
225	100		
223	63.2	52.5	78.7
227	62.3	50.3	75.5



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

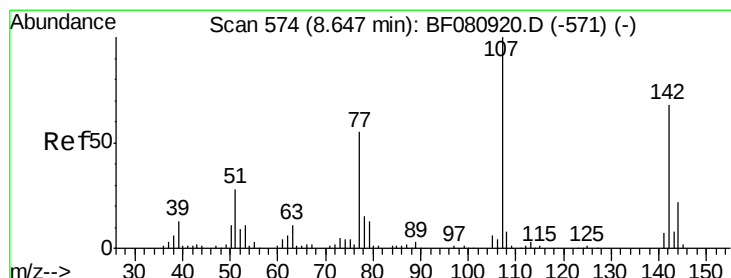
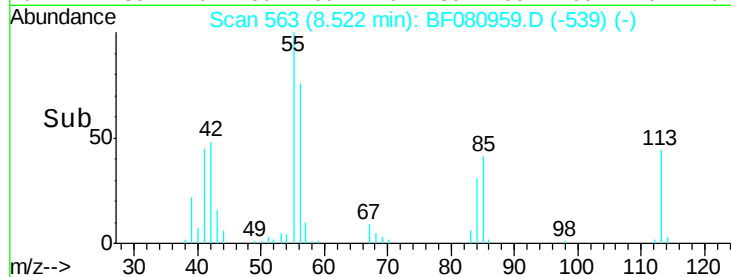
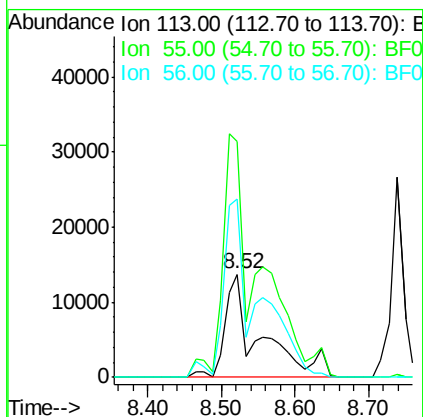
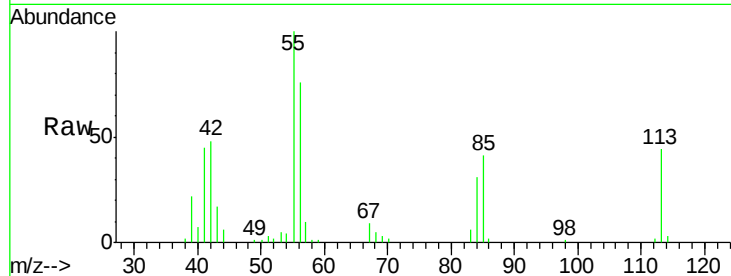




#35
 Caprolactam
 Concen: 27.01 ng m
 RT: 8.52 min Scan# 563
 Delta R.T. -0.02 min
 Lab File: BF080959.D
 Acq: 10 Aug 2015 19:09

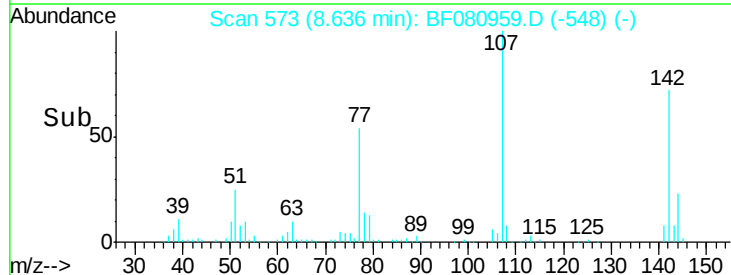
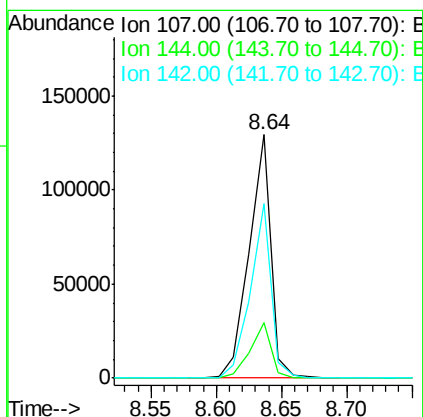
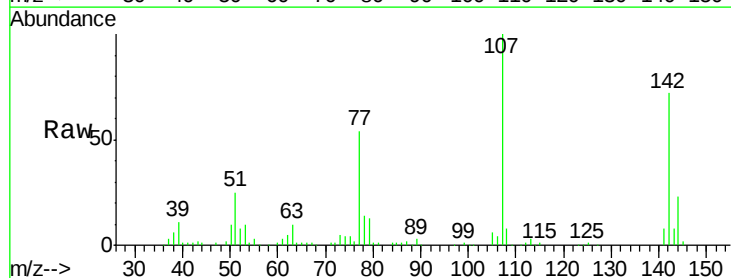
Instrument :
 BNA_F
 ClientSampleId :
 SOIL-2MS

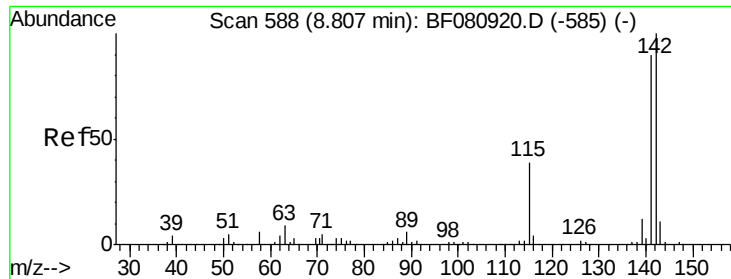
Tgt Ion:113 Resp: 44451
 Ion Ratio Lower Upper
 113 100
 55 228.5 196.4 236.4
 56 173.3 137.9 177.9



#36
 4-Chloro-3-methylphenol
 Concen: 26.97 ng
 RT: 8.64 min Scan# 573
 Delta R.T. -0.01 min
 Lab File: BF080959.D
 Acq: 10 Aug 2015 19:09

Tgt Ion:107 Resp: 150562
 Ion Ratio Lower Upper
 107 100
 144 22.9 17.3 25.9
 142 71.9 54.4 81.6

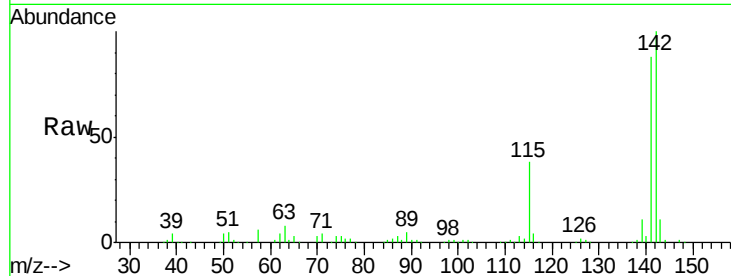




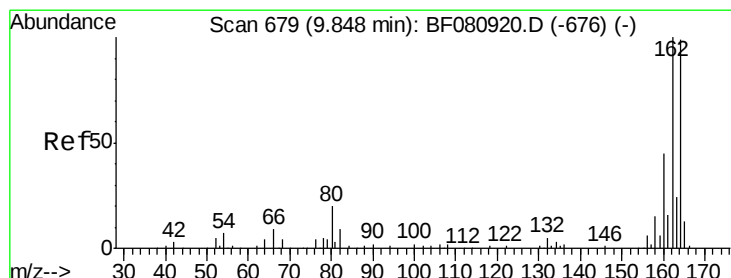
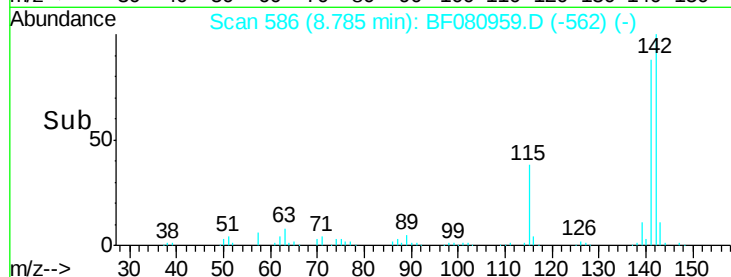
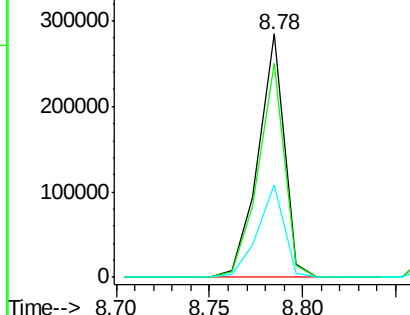
#37
 2-Methylnaphthalene
 Concen: 24.20 ng
 RT: 8.78 min Scan# 586
 Delta R.T. -0.02 min
 Lab File: BF080959.D
 Acq: 10 Aug 2015 19:09

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-2MS

Tgt Ion	Ratio	Lower	Upper
142	100		
141	87.8	71.7	107.5
115	37.8	30.9	46.3

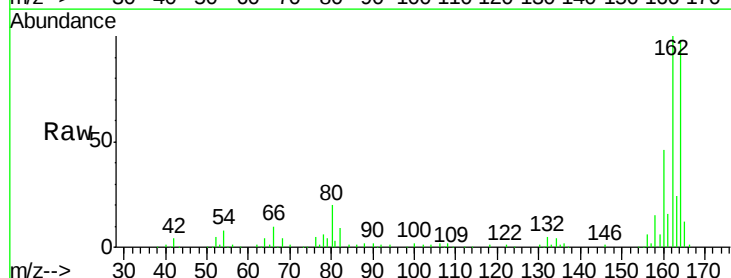


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

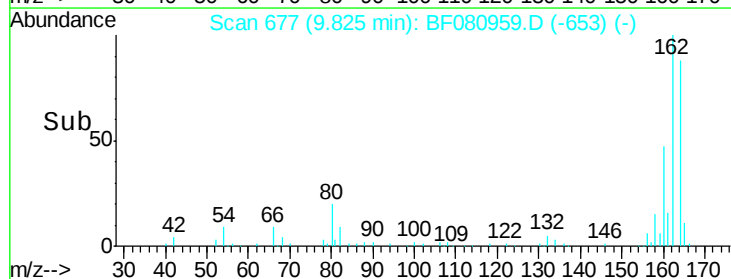
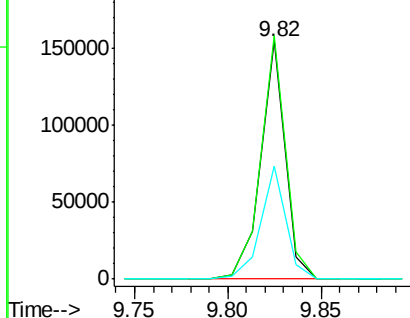


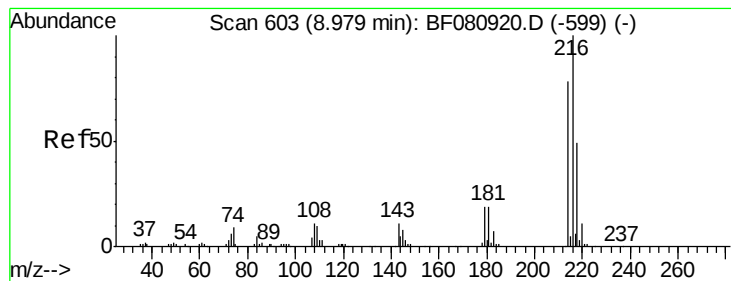
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.82 min Scan# 677
 Delta R.T. -0.02 min
 Lab File: BF080959.D
 Acq: 10 Aug 2015 19:09

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.3	80.5	120.7
160	47.6	36.6	54.8



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: 33.40 ng

RT: 8.96 min Scan# 601

Delta R.T. -0.02 min

Lab File: BF080959.D

Acq: 10 Aug 2015 19:09

Instrument :

BNA_F

ClientSampleId :

SOIL-2MS

Tgt Ion:216 Resp: 143294

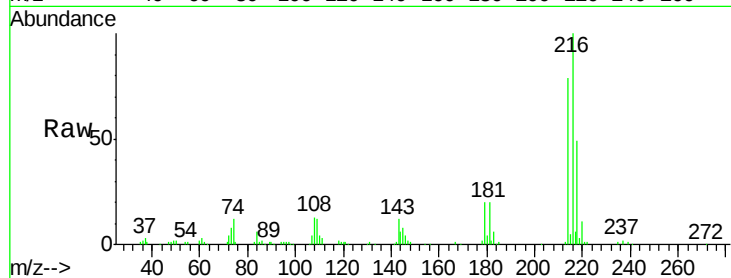
Ion Ratio Lower Upper

216 100

214 79.3 63.0 94.4

179 22.3 17.2 25.8

108 22.7 16.1 24.1

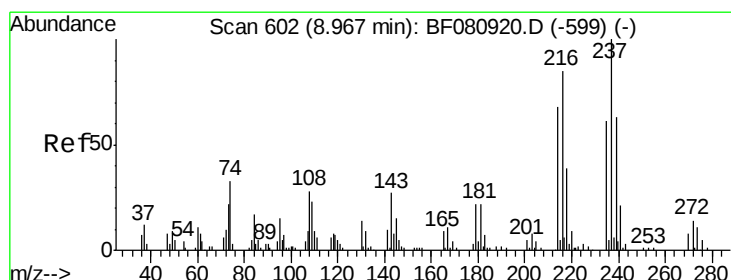
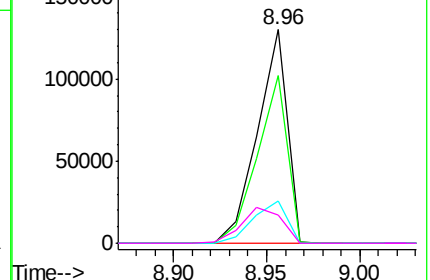
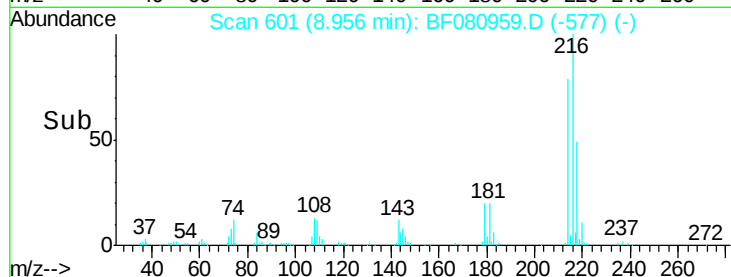


Abundance Ion 216.00 (215.70 to 216.70): E

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: 67.26 ng

RT: 8.94 min Scan# 600

Delta R.T. -0.02 min

Lab File: BF080959.D

Acq: 10 Aug 2015 19:09

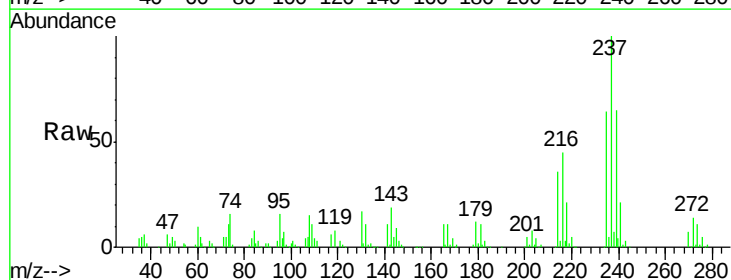
Tgt Ion:237 Resp: 157467

Ion Ratio Lower Upper

237 100

235 64.1 41.3 81.3

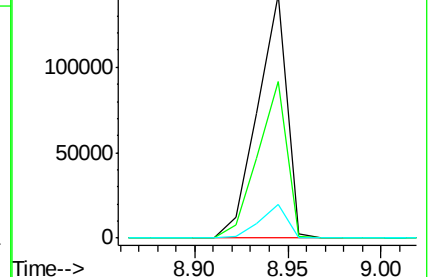
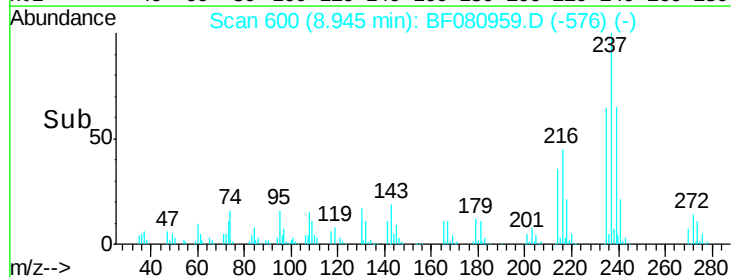
272 14.0 0.0 33.6

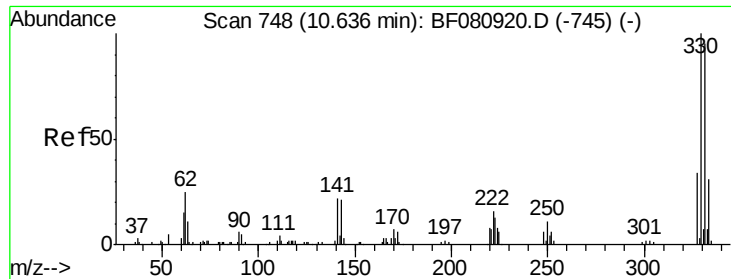


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

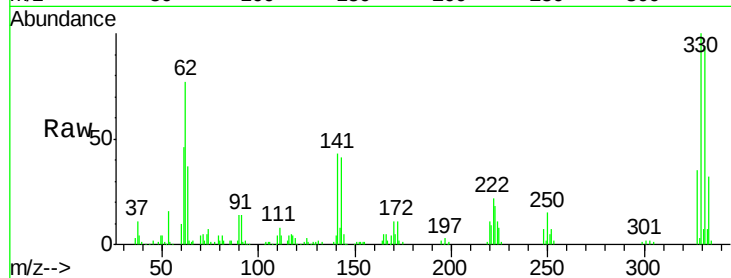




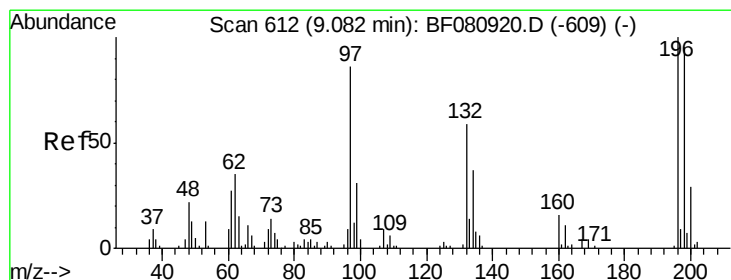
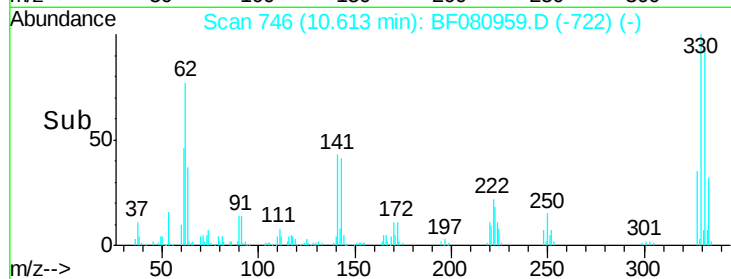
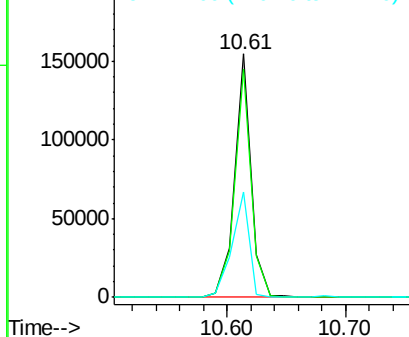
#41
 2,4,6-Tribromophenol
 Concen: 98.13 ng
 RT: 10.61 min Scan# 746
 Delta R.T. -0.02 min
 Lab File: BF080959.D
 Acq: 10 Aug 2015 19:09

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-2MS

Tgt Ion:330 Resp: 150049
 Ion Ratio Lower Upper
 330 100
 332 94.0 76.2 114.4
 141 44.4 27.8 41.8#

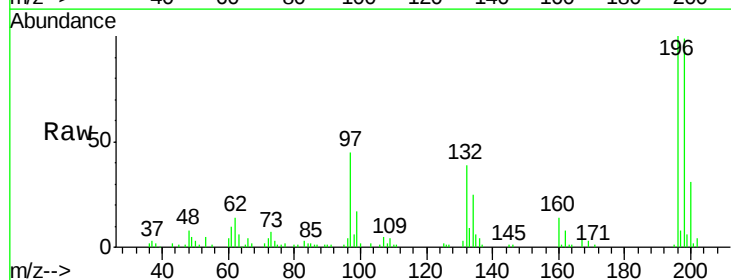


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

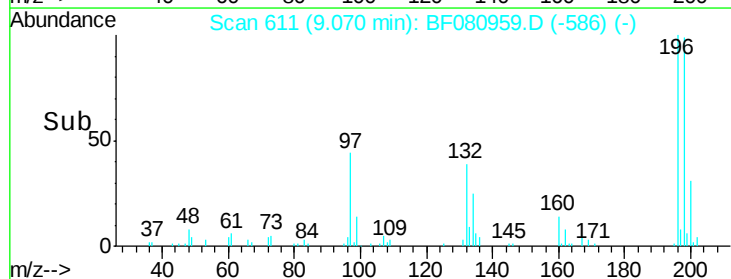
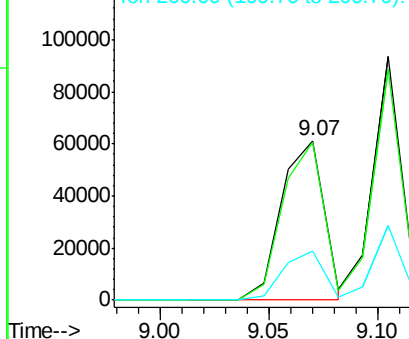


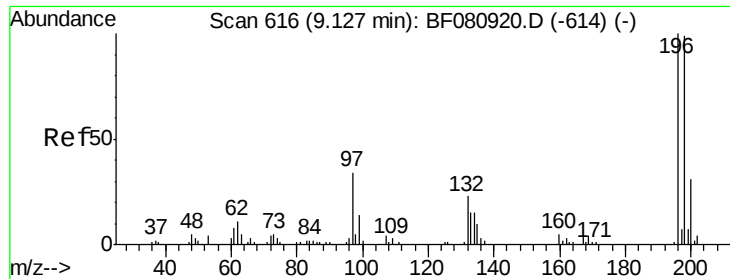
#42
 2,4,6-Trichlorophenol
 Concen: 26.68 ng
 RT: 9.07 min Scan# 611
 Delta R.T. -0.01 min
 Lab File: BF080959.D
 Acq: 10 Aug 2015 19:09

Tgt Ion:196 Resp: 83893
 Ion Ratio Lower Upper
 196 100
 198 98.9 75.9 113.9
 200 30.7 23.1 34.7



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

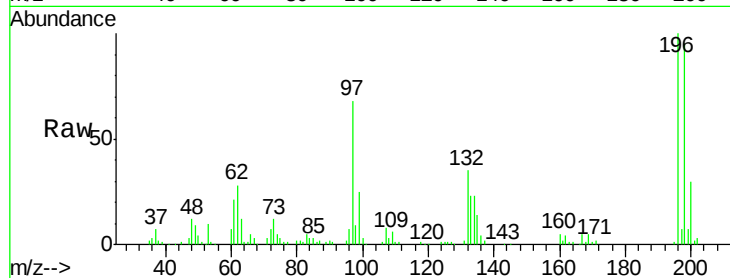




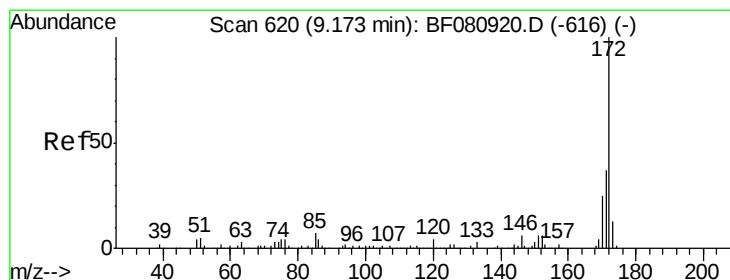
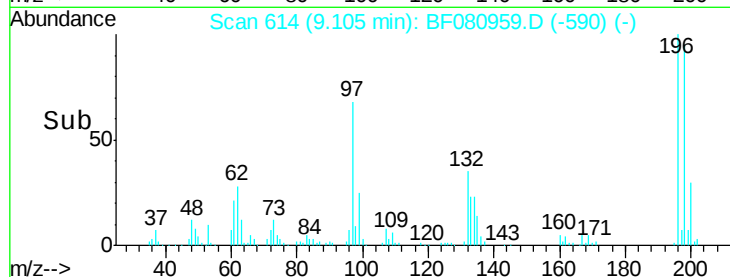
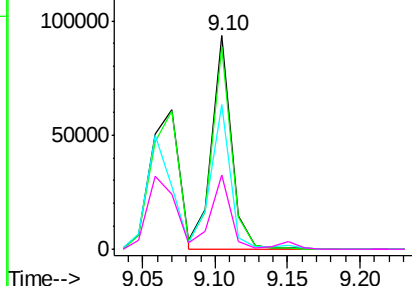
#43
 2,4,5-Trichlorophenol
 Concen: 27.85 ng
 RT: 9.10 min Scan# 614
 Delta R.T. -0.02 min
 Lab File: BF080959.D
 Acq: 10 Aug 2015 19:09

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-2MS

Tgt Ion	Resp	Lower	Upper
196	100		
198	94.8	78.9	118.3
97	67.7	29.1	43.7#
132	35.1	19.1	28.7#

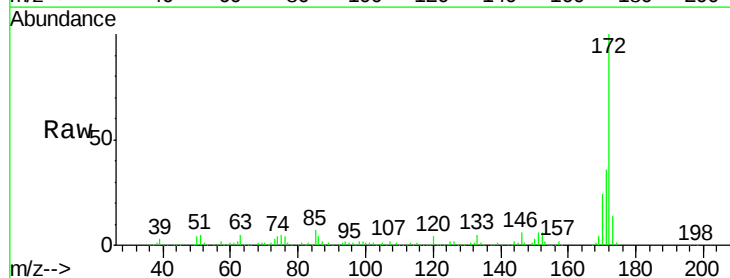


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF0
 Ion 132.00 (131.70 to 132.70): E

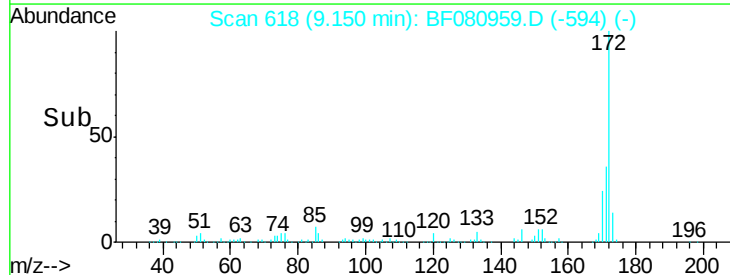
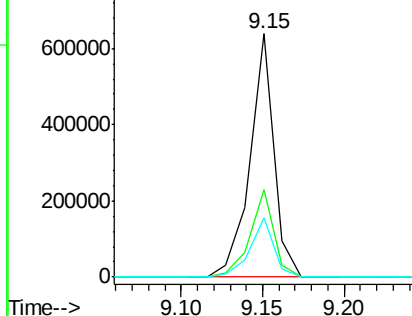


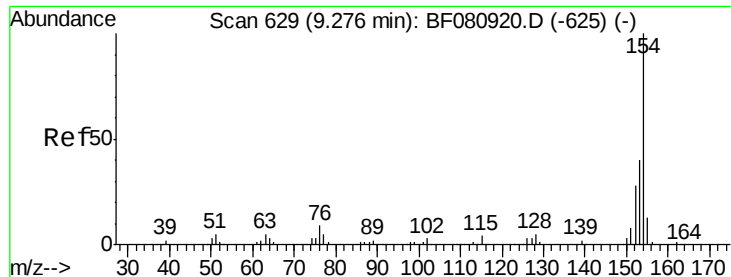
#44
 2-Fluorobiphenyl
 Concen: 65.88 ng
 RT: 9.15 min Scan# 618
 Delta R.T. -0.02 min
 Lab File: BF080959.D
 Acq: 10 Aug 2015 19:09

Tgt Ion	Resp	Lower	Upper
172	100		
171	36.0	29.4	44.0
170	24.3	19.7	29.5



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

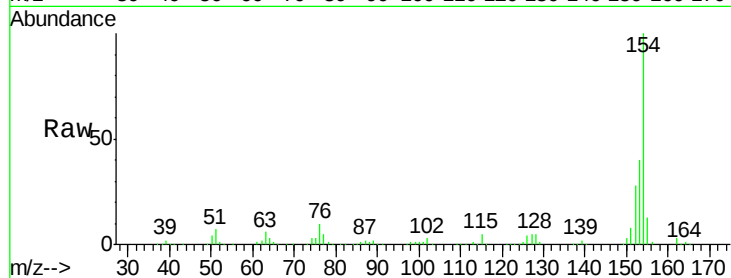




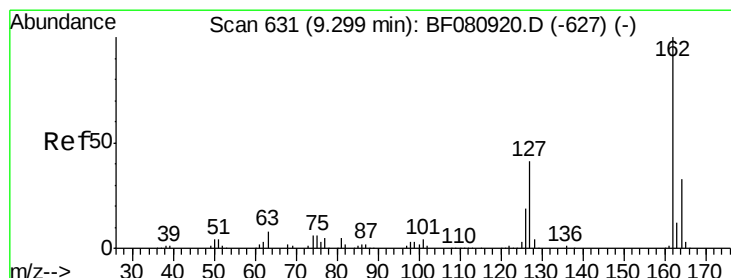
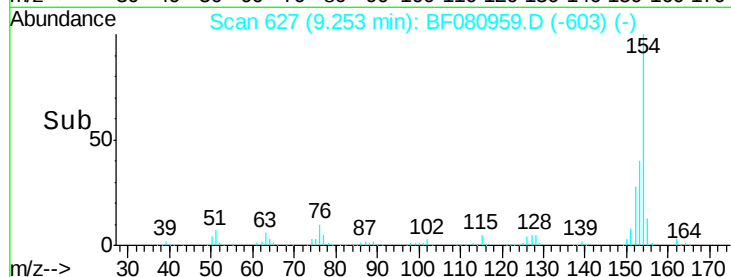
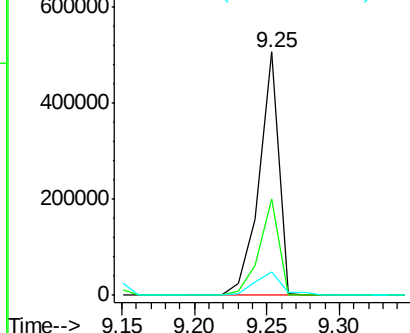
#45
 1,1'-Biphenyl
 Concen: 39.81 ng
 RT: 9.25 min Scan# 627
 Delta R.T. -0.02 min
 Lab File: BF080959.D
 Acq: 10 Aug 2015 19:09

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-2MS

Tgt Ion:154 Resp: 475513
 Ion Ratio Lower Upper
 154 100
 153 39.9 20.1 60.1
 76 9.8 0.0 29.3

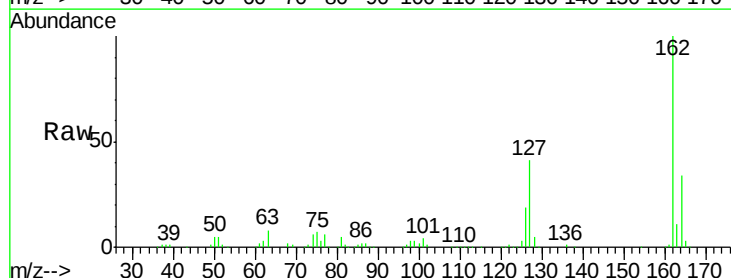


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF0

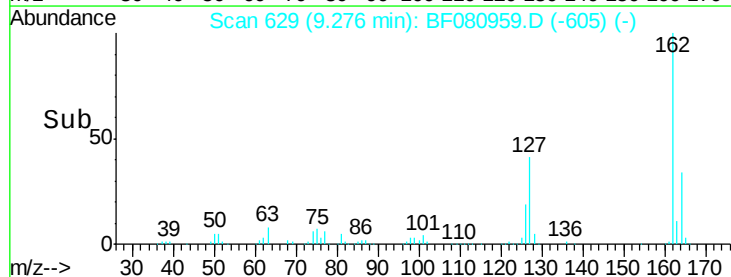
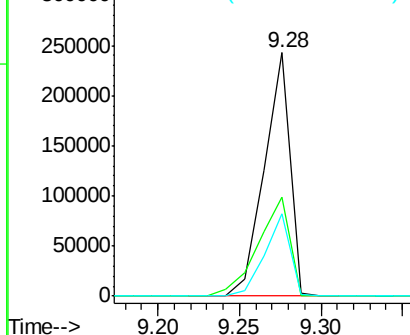


#46
 2-Chloronaphthalene
 Concen: 28.72 ng
 RT: 9.28 min Scan# 629
 Delta R.T. -0.02 min
 Lab File: BF080959.D
 Acq: 10 Aug 2015 19:09

Tgt Ion:162 Resp: 267427
 Ion Ratio Lower Upper
 162 100
 127 40.7 32.5 48.7
 164 33.6 26.2 39.4



Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E

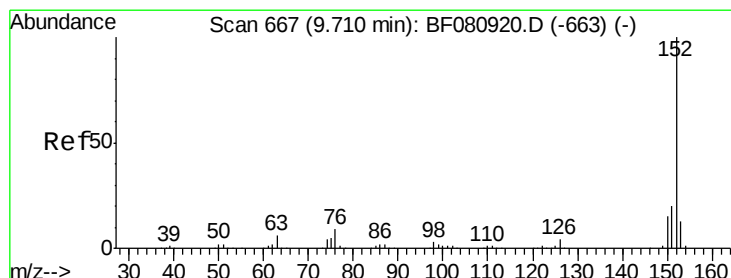
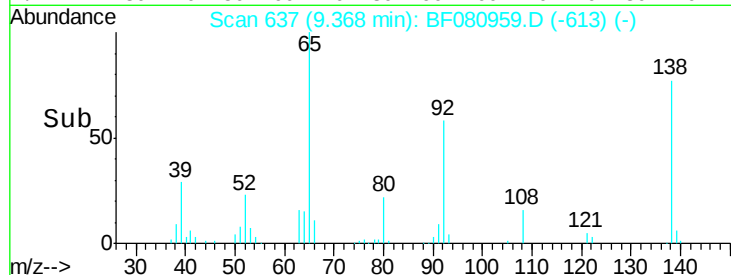
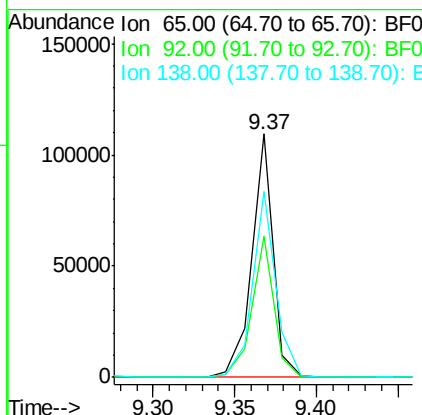
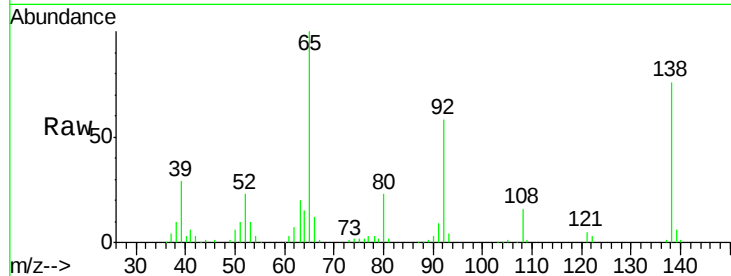




#47
2-Nitroaniline
Concen: 26.59 ng
RT: 9.37 min Scan# 637
Delta R.T. -0.02 min
Lab File: BF080959.D
Acq: 10 Aug 2015 19:09

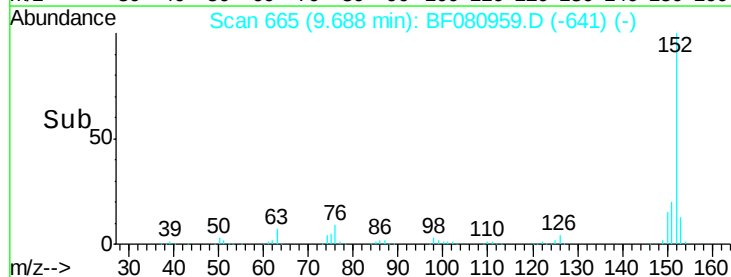
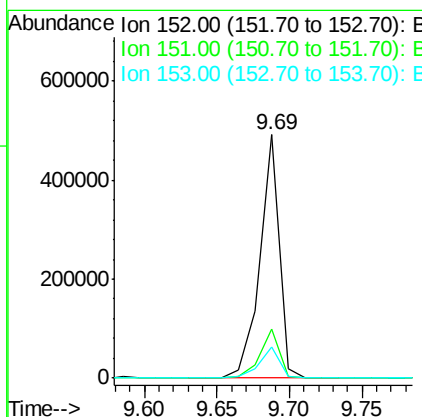
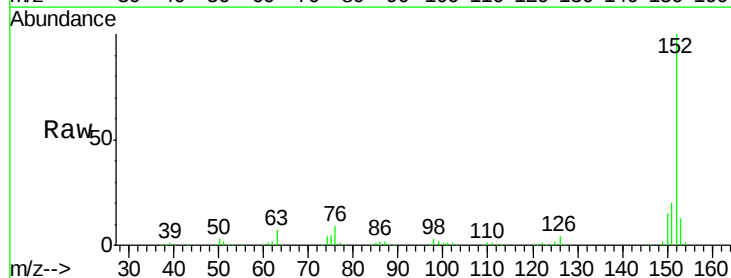
Instrument :
BNA_F
ClientSampled :
SOIL-2MS

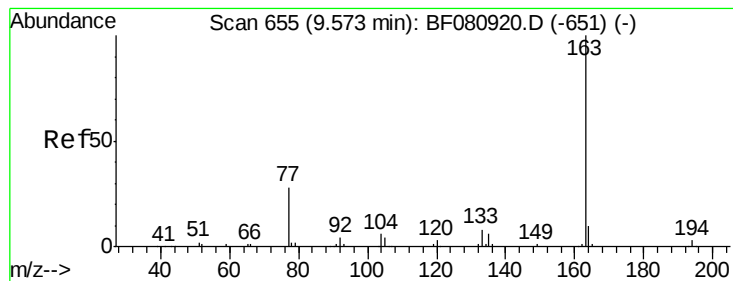
Tgt Ion: 65 Resp: 99294
Ion Ratio Lower Upper
65 100
92 58.0 48.0 72.0
138 76.5 66.1 99.1



#48
Acenaphthylene
Concen: 28.08 ng
RT: 9.69 min Scan# 665
Delta R.T. -0.02 min
Lab File: BF080959.D
Acq: 10 Aug 2015 19:09

Tgt Ion: 152 Resp: 454612
Ion Ratio Lower Upper
152 100
151 20.3 16.3 24.5
153 13.0 10.5 15.7





#49

Dimethylphthalate

Concen: 28.02 ng

RT: 9.56 min Scan# 654

Delta R.T. -0.01 min

Lab File: BF080959.D

Acq: 10 Aug 2015 19:09

Instrument :

BNA_F

ClientSampleId :

SOIL-2MS

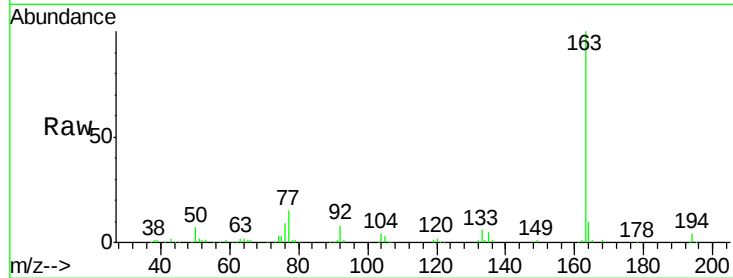
Tgt Ion:163 Resp: 323897

Ion Ratio Lower Upper

163 100

194 3.9 2.4 3.6#

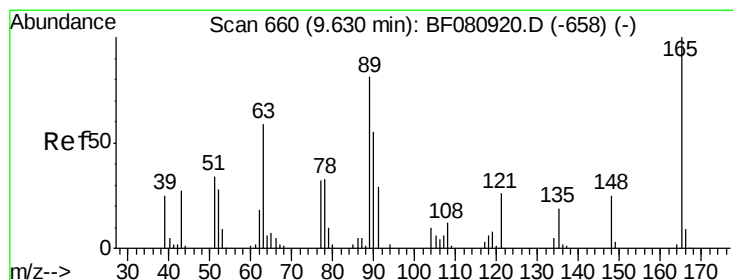
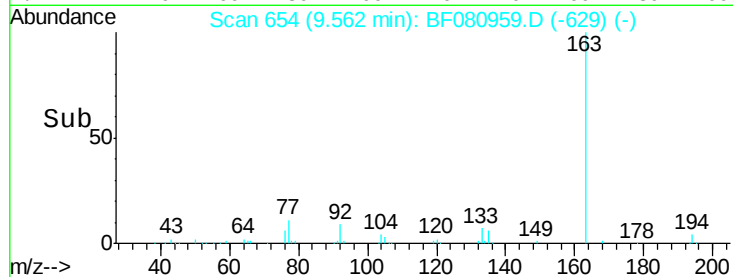
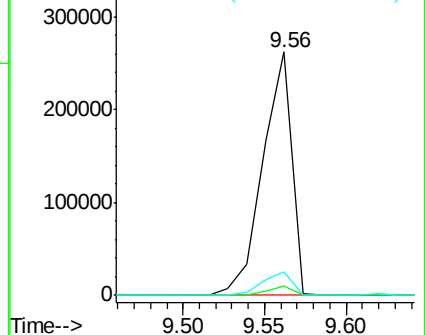
164 9.9 8.2 12.4



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 30.84 ng

RT: 9.62 min Scan# 659

Delta R.T. -0.01 min

Lab File: BF080959.D

Acq: 10 Aug 2015 19:09

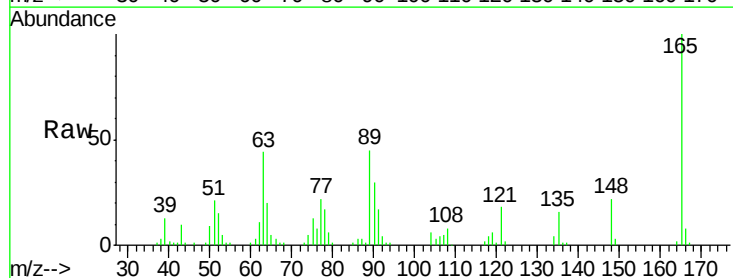
Tgt Ion:165 Resp: 73663

Ion Ratio Lower Upper

165 100

63 44.0 77.6 116.4#

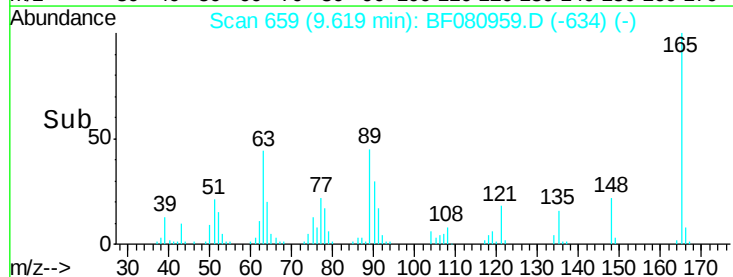
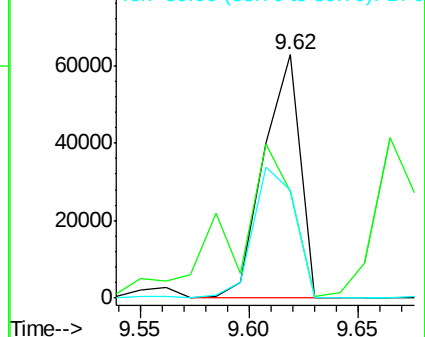
89 44.5 64.5 96.7#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 28.45 ng

RT: 9.86 min Scan# 680

Delta R.T. -0.02 min

Lab File: BF080959.D

Acq: 10 Aug 2015 19:09

Instrument :

BNA_F

ClientSampleId :

SOIL-2MS

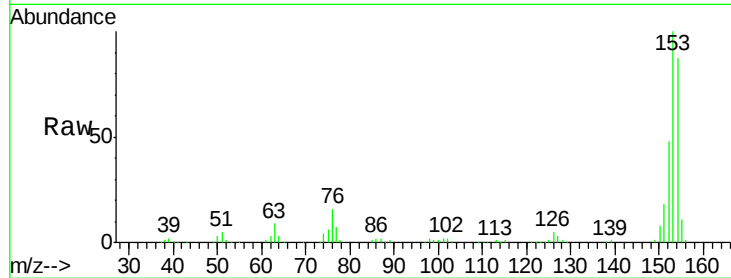
Tgt Ion:154 Resp: 282078

Ion Ratio Lower Upper

154 100

153 115.4 91.4 137.2

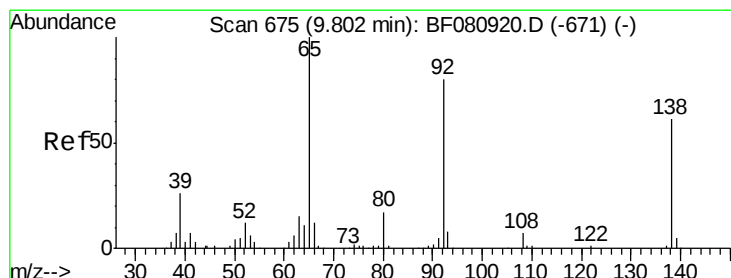
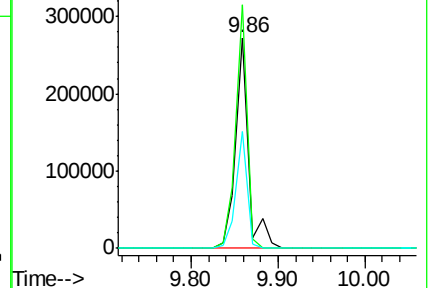
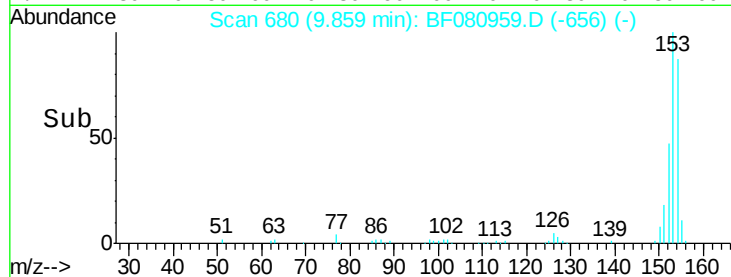
152 55.4 44.2 66.4



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 7.07 ng

RT: 9.78 min Scan# 673

Delta R.T. -0.02 min

Lab File: BF080959.D

Acq: 10 Aug 2015 19:09

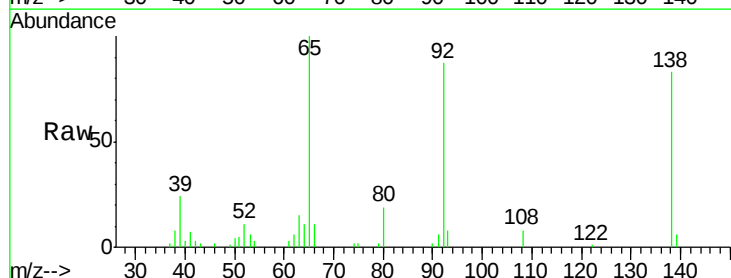
Tgt Ion:138 Resp: 20824

Ion Ratio Lower Upper

138 100

108 10.0 8.7 13.1

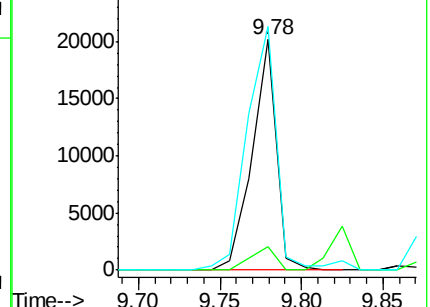
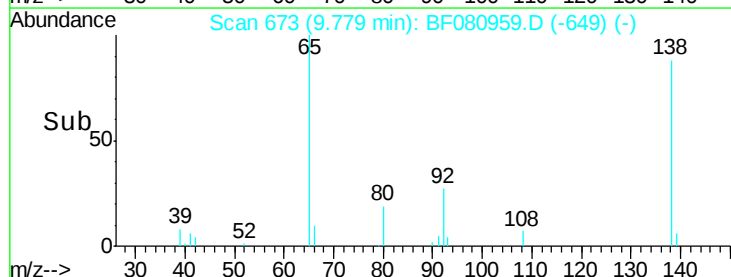
92 105.5 104.4 156.6

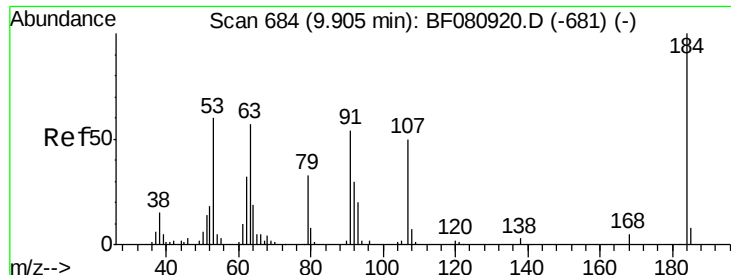


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

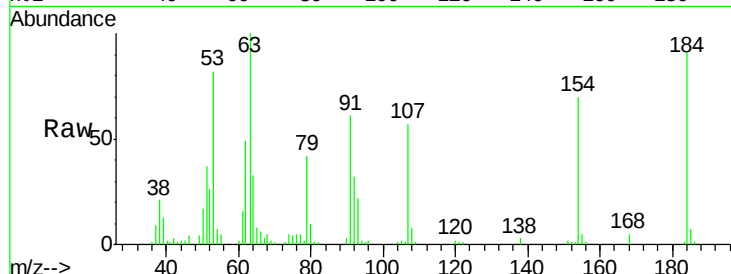




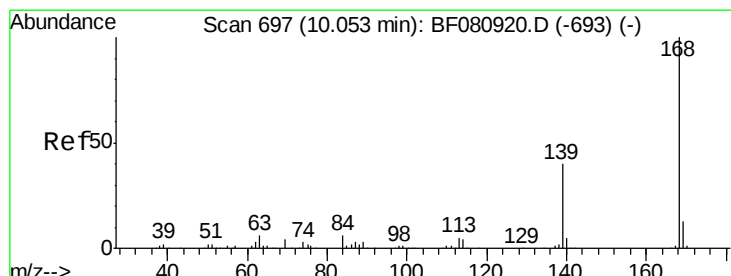
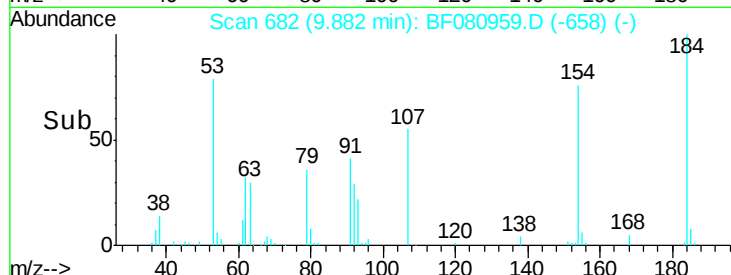
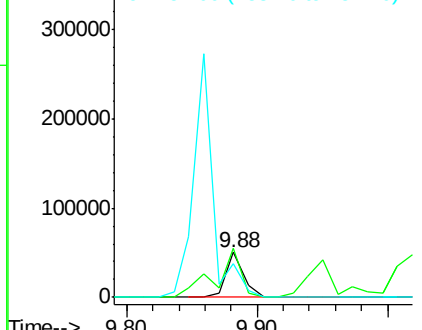
#53
2,4-Dinitrophenol
Concen: 37.01 ng
RT: 9.88 min Scan# 682
Delta R.T. -0.02 min
Lab File: BF080959.D
Acq: 10 Aug 2015 19:09

Instrument :
BNA_F
ClientSampleId :
SOIL-2MS

Tgt Ion:184 Resp: 48527
Ion Ratio Lower Upper
184 100
63 109.5 59.7 89.5#
154 76.2 53.8 80.8

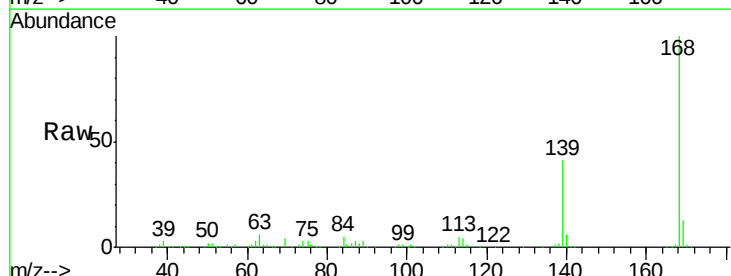


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 154.00 (153.70 to 154.70): E

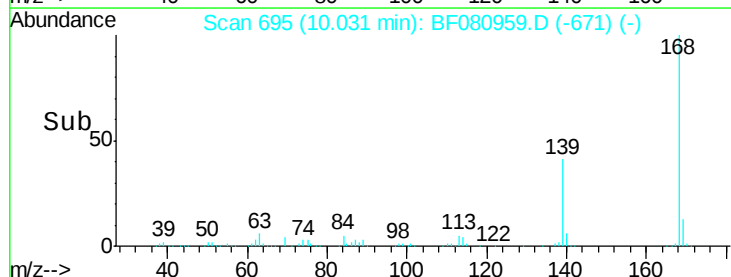
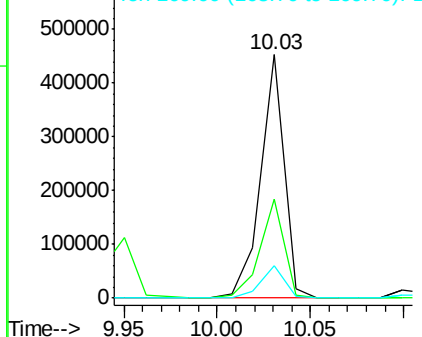


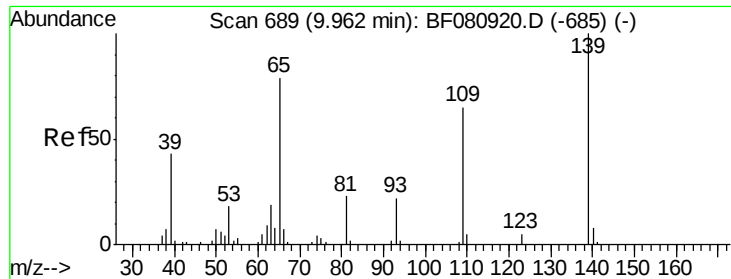
#54
Dibenzofuran
Concen: 29.26 ng
RT: 10.03 min Scan# 695
Delta R.T. -0.02 min
Lab File: BF080959.D
Acq: 10 Aug 2015 19:09

Tgt Ion:168 Resp: 392257
Ion Ratio Lower Upper
168 100
139 40.6 31.9 47.9
169 13.2 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: 59.12 ng

RT: 9.95 min Scan# 688

Delta R.T. -0.01 min

Lab File: BF080959.D

Acq: 10 Aug 2015 19:09

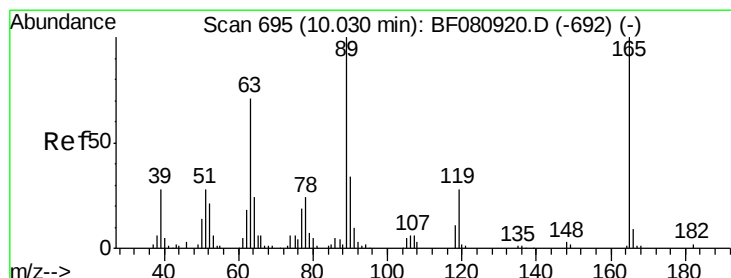
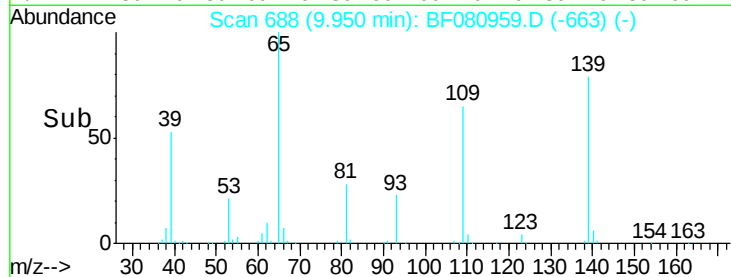
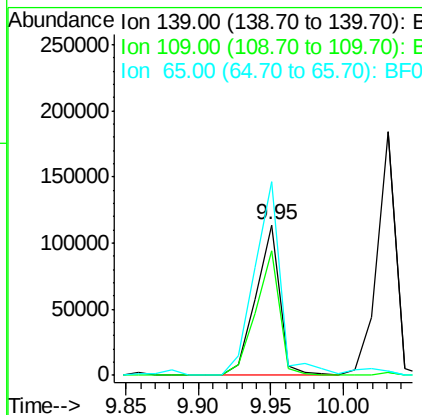
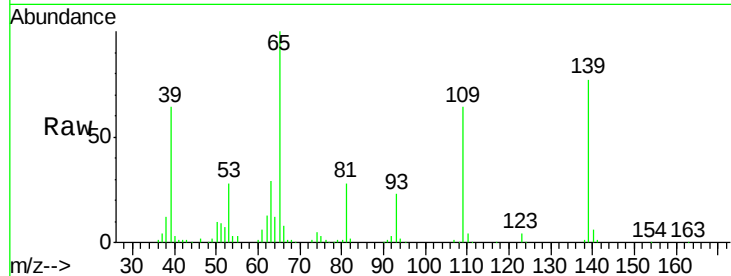
Instrument :

BNA_F

ClientSampleId :

SOIL-2MS

Tgt Ion:	139	Resp:	130303
Ion Ratio	Lower	Upper	
139	100		
109	82.7	44.7	84.7
65	129.1	59.5	99.5#



#56

2,4-Dinitrotoluene

Concen: 31.51 ng

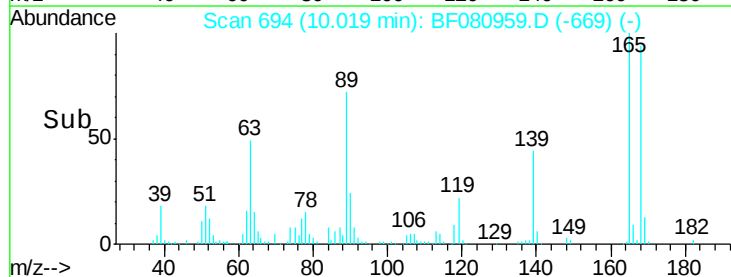
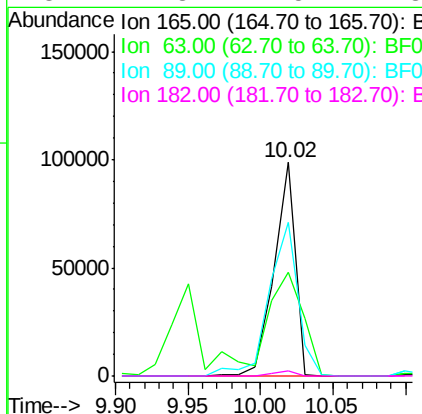
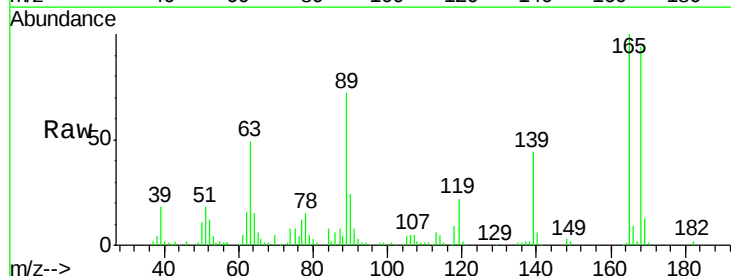
RT: 10.02 min Scan# 694

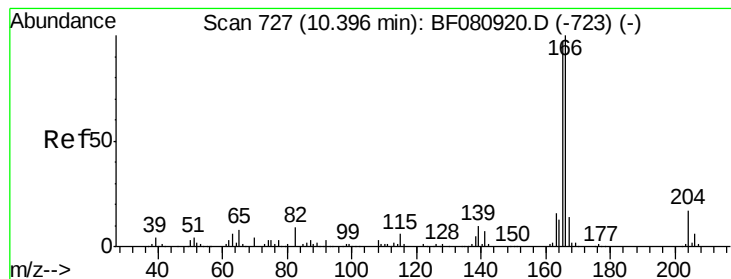
Delta R.T. -0.01 min

Lab File: BF080959.D

Acq: 10 Aug 2015 19:09

Tgt Ion:	165	Resp:	100712
Ion Ratio	Lower	Upper	
165	100		
63	48.8	56.7	85.1#
89	71.8	80.4	120.6#
182	2.3	1.5	2.3





#57

Fluorene

Concen: 30.88 ng

RT: 10.37 min Scan# 725

Delta R.T. -0.02 min

Lab File: BF080959.D

Acq: 10 Aug 2015 19:09

Instrument :

BNA_F

ClientSampleId :

SOIL-2MS

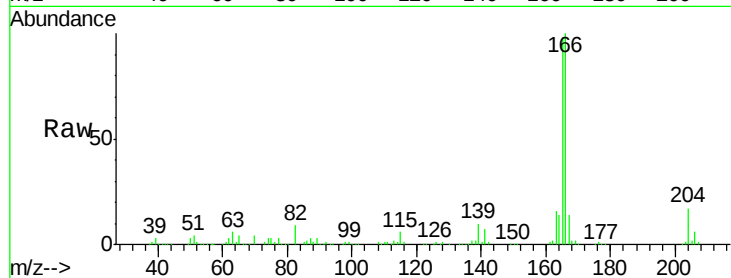
Tgt Ion:166 Resp: 320295

Ion Ratio Lower Upper

166 100

165 97.7 77.2 115.8

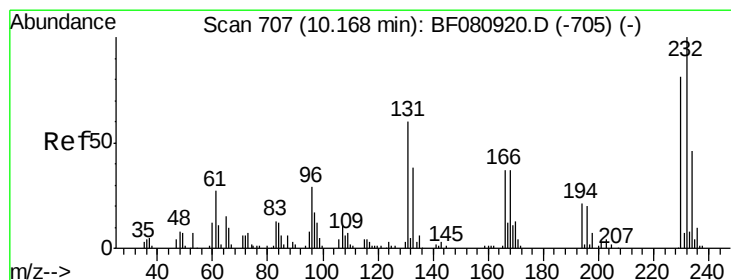
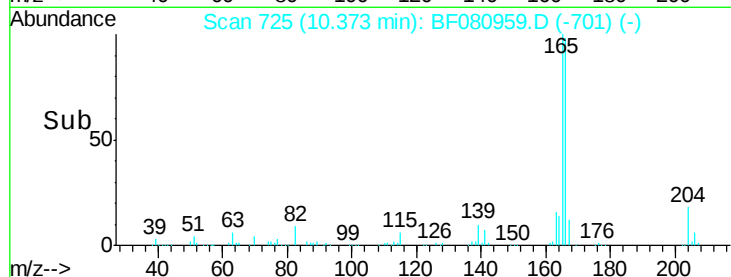
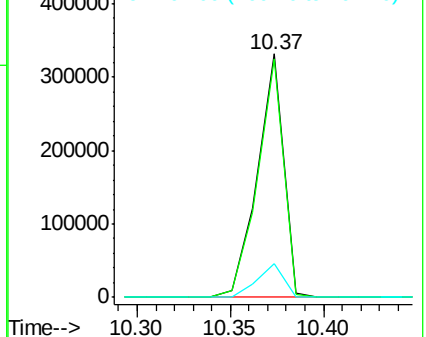
167 13.6 10.8 16.2



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: 27.14 ng m

RT: 10.14 min Scan# 705

Delta R.T. -0.02 min

Lab File: BF080959.D

Acq: 10 Aug 2015 19:09

Tgt Ion:232 Resp: 68063

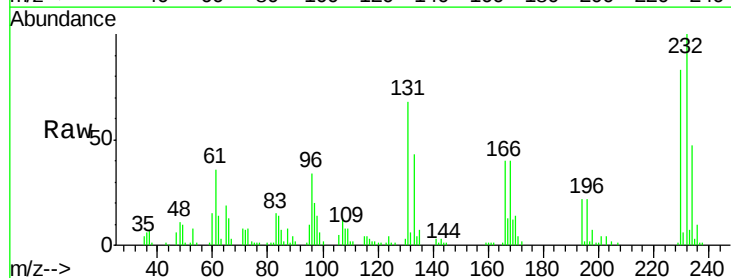
Ion Ratio Lower Upper

232 100

131 49.1 39.4 59.2

130 2.7 2.1 3.1

166 28.1 21.7 32.5

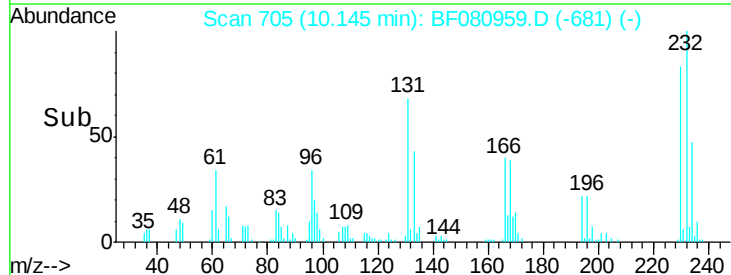
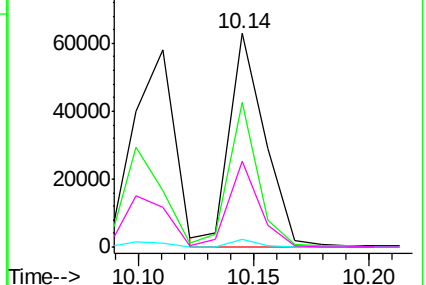


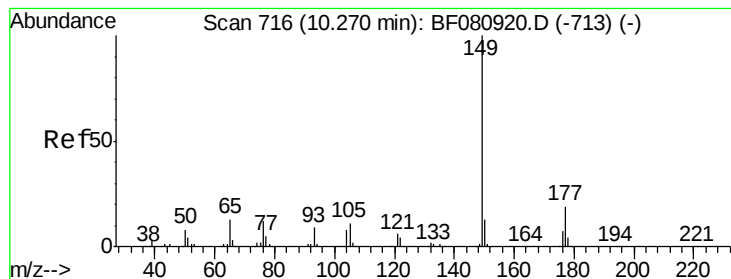
Abundance Ion 232.00 (231.70 to 232.70): E

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: 30.18 ng

RT: 10.26 min Scan# 715

Delta R.T. -0.01 min

Lab File: BF080959.D

Acq: 10 Aug 2015 19:09

Instrument :

BNA_F

ClientSampleId :

SOIL-2MS

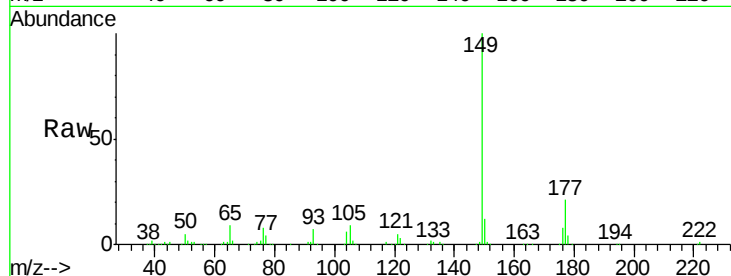
Tgt Ion:149 Resp: 363162

Ion Ratio Lower Upper

149 100

177 21.2 15.0 22.4

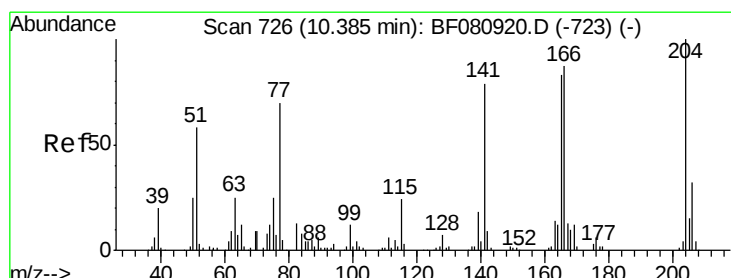
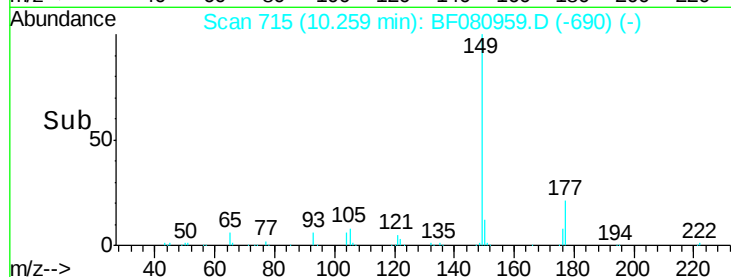
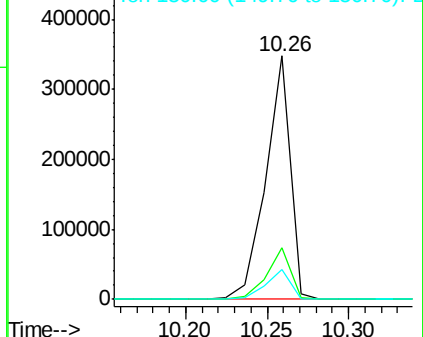
150 12.1 10.4 15.6



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: 25.62 ng

RT: 10.36 min Scan# 724

Delta R.T. -0.02 min

Lab File: BF080959.D

Acq: 10 Aug 2015 19:09

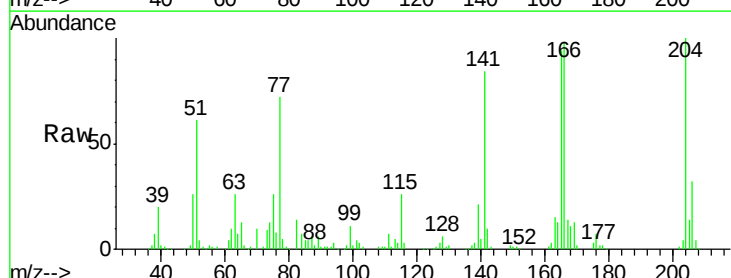
Tgt Ion:204 Resp: 129464

Ion Ratio Lower Upper

204 100

206 31.7 25.5 38.3

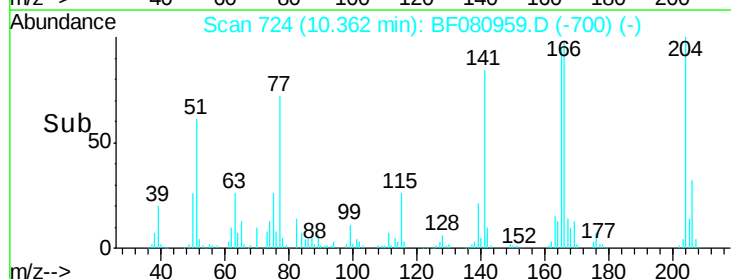
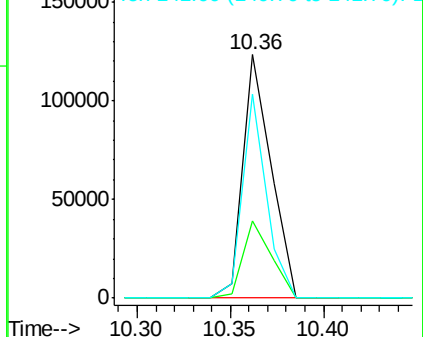
141 83.5 63.4 95.0

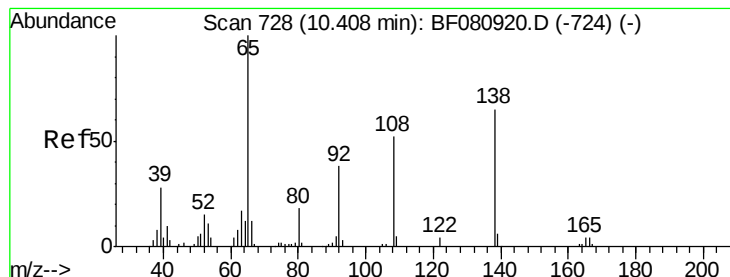


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E





#61

4-Nitroaniline

Concen: 25.24 ng

RT: 10.40 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF080959.D

Acq: 10 Aug 2015 19:09

Instrument :

BNA_F

ClientSampleId :

SOIL-2MS

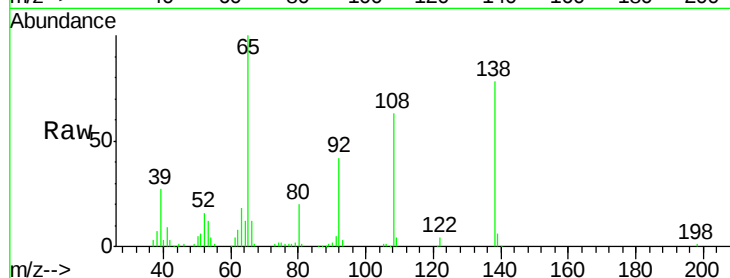
Tgt Ion:138 Resp: 76464

Ion Ratio Lower Upper

138 100

92 54.5 38.1 78.1

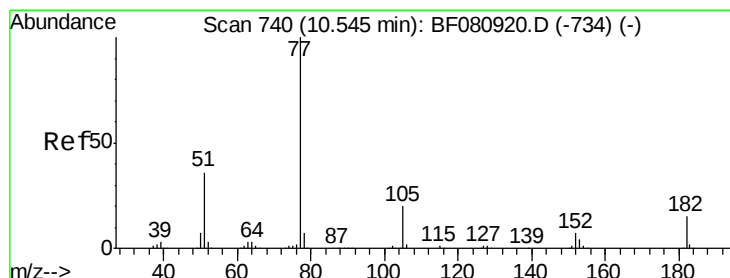
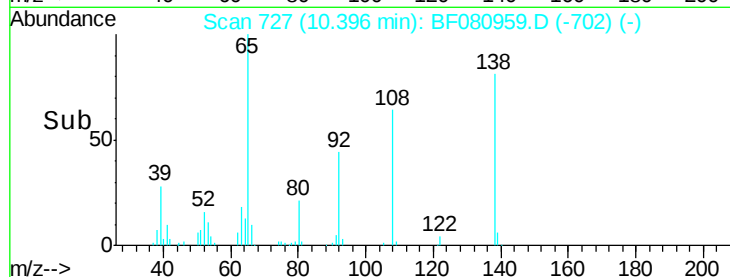
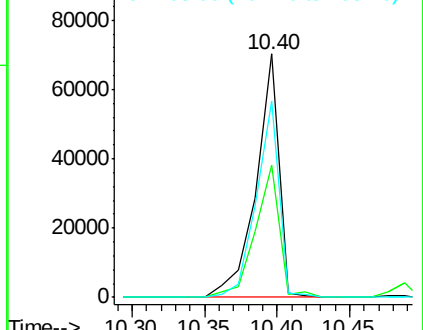
108 80.9 59.9 99.9



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: 28.04 ng

RT: 10.52 min Scan# 738

Delta R.T. -0.02 min

Lab File: BF080959.D

Acq: 10 Aug 2015 19:09

Tgt Ion: 77 Resp: 377319

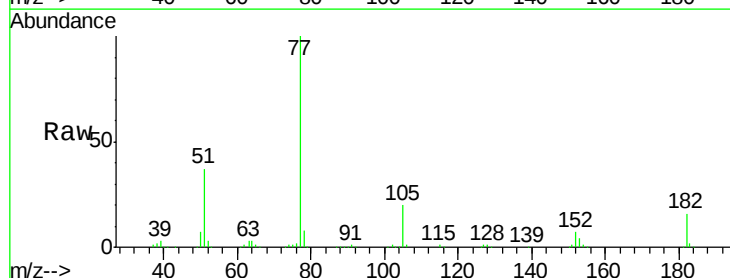
Ion Ratio Lower Upper

77 100

182 15.6 0.0 35.5

105 19.9 0.5 40.5

51 36.9 15.6 55.6

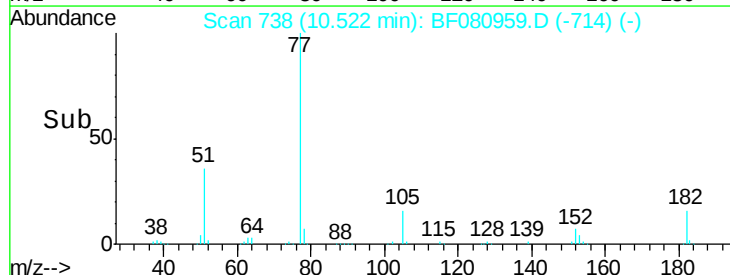
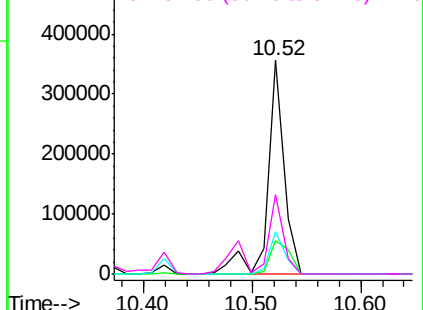


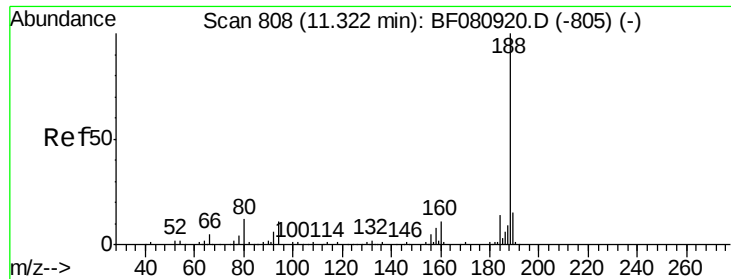
Abundance Ion 77.00 (76.70 to 77.70): BF0

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

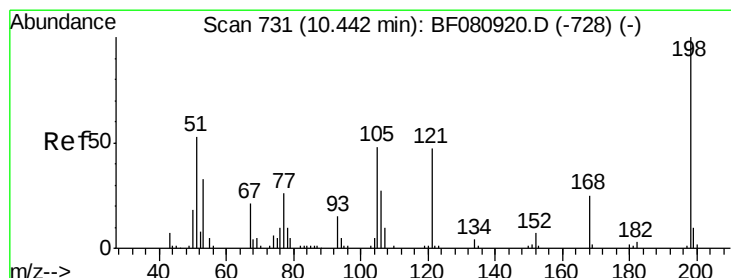
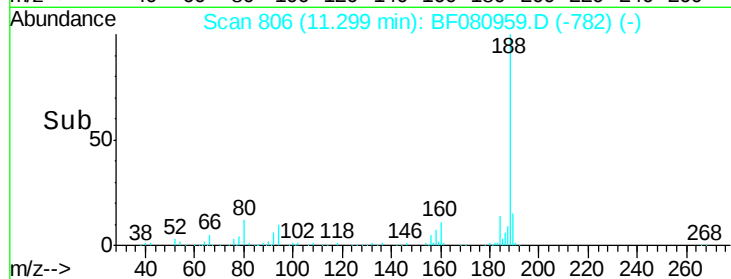
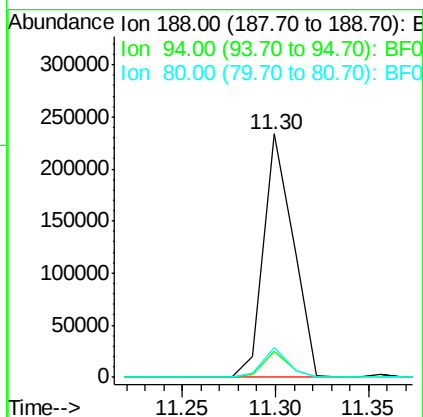
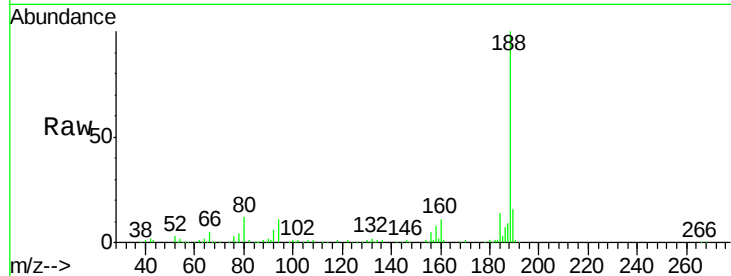




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.30 min Scan# 806
Delta R.T. -0.02 min
Lab File: BF080959.D
Acq: 10 Aug 2015 19:09

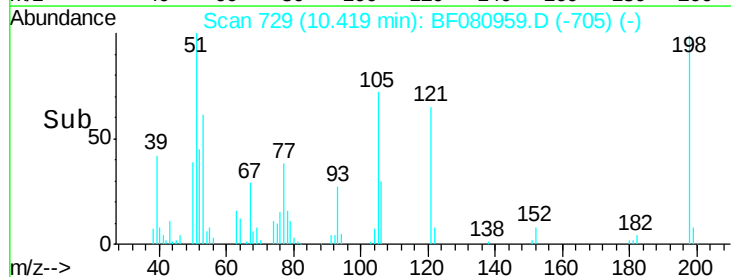
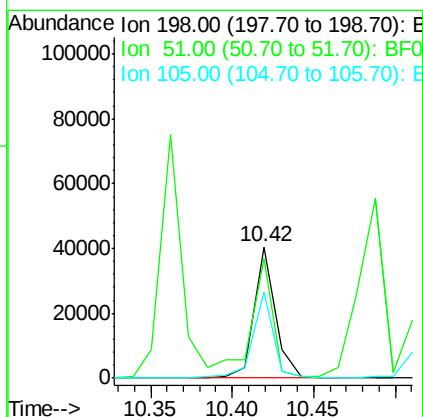
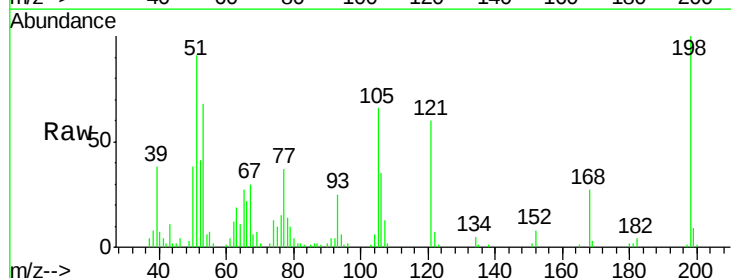
Instrument :
BNA_F
ClientSampleId :
SOIL-2MS

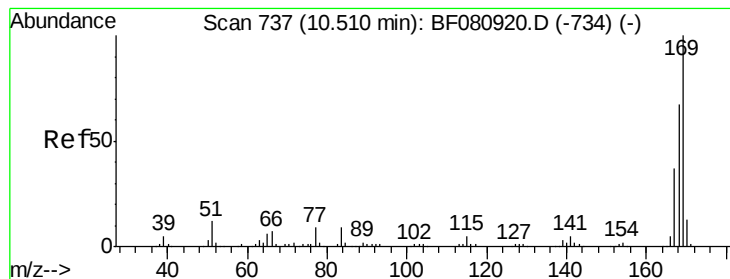
Tgt Ion:188 Resp: 257001
Ion Ratio Lower Upper
188 100
94 10.7 8.8 13.2
80 12.2 9.5 14.3



#64
4,6-Dinitro-2-methylphenol
Concen: 23.15 ng
RT: 10.42 min Scan# 729
Delta R.T. -0.02 min
Lab File: BF080959.D
Acq: 10 Aug 2015 19:09

Tgt Ion:198 Resp: 36879
Ion Ratio Lower Upper
198 100
51 90.7 40.3 80.3#
105 65.6 29.6 69.6





#65

n-Nitrosodiphenylamine

Concen: 31.32 ng

RT: 10.49 min Scan# 735

Delta R.T. -0.02 min

Lab File: BF080959.D

Acq: 10 Aug 2015 19:09

Instrument :

BNA_F

ClientSampleId :

SOIL-2MS

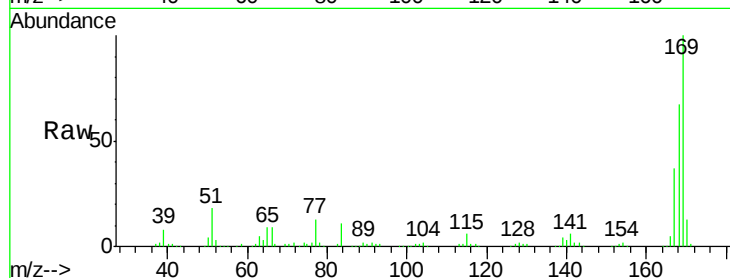
Tgt Ion:169 Resp: 279683

Ion Ratio Lower Upper

169 100

168 67.4 53.7 80.5

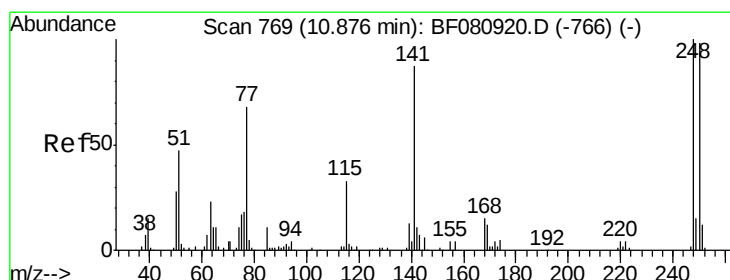
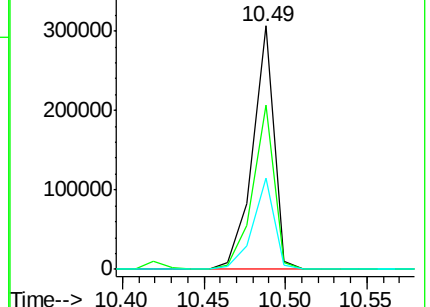
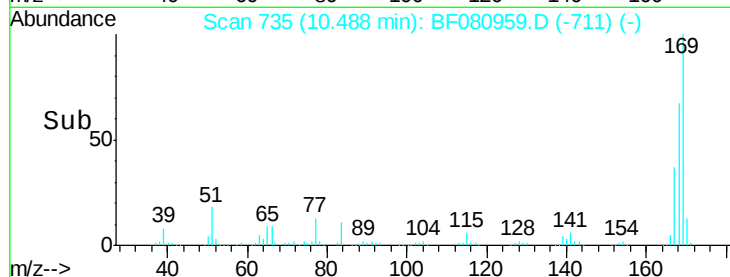
167 37.4 29.3 43.9



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: 30.26 ng

RT: 10.85 min Scan# 767

Delta R.T. -0.02 min

Lab File: BF080959.D

Acq: 10 Aug 2015 19:09

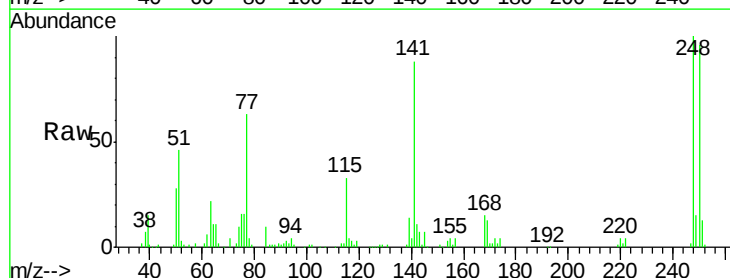
Tgt Ion:248 Resp: 82380

Ion Ratio Lower Upper

248 100

250 96.4 78.1 117.1

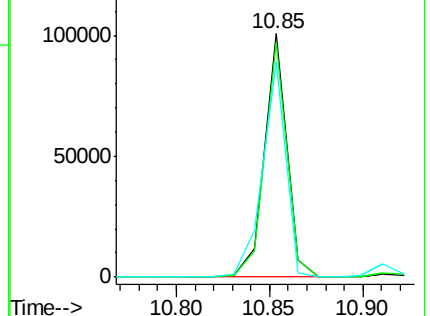
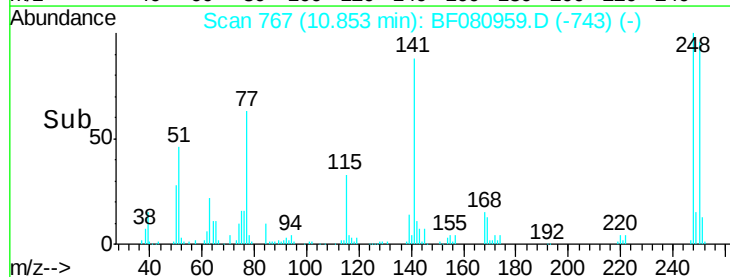
141 88.4 69.6 104.4



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

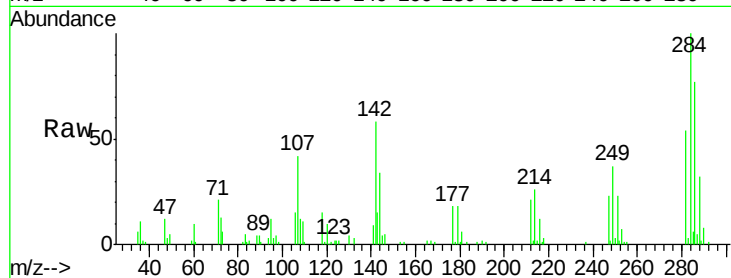




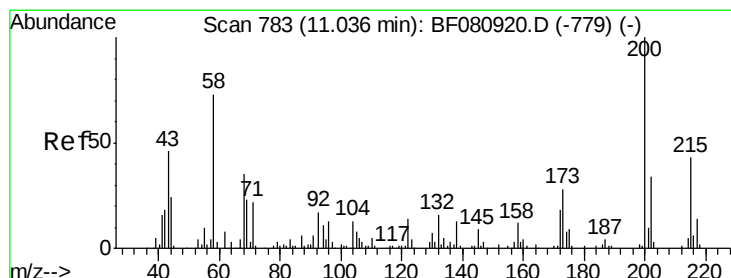
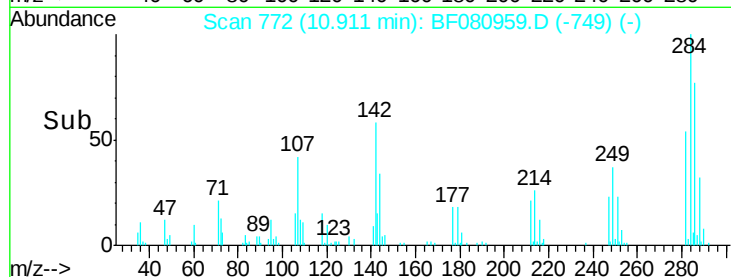
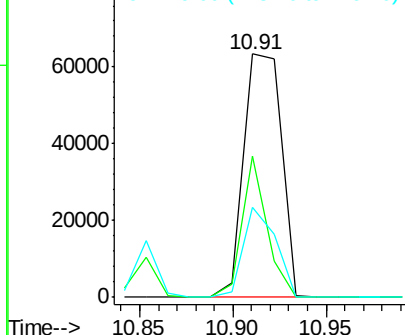
#67
Hexachlorobenzene
Concen: 29.39 ng
RT: 10.91 min Scan# 772
Delta R.T. -0.03 min
Lab File: BF080959.D
Acq: 10 Aug 2015 19:09

Instrument :
BNA_F
ClientSampleId :
SOIL-2MS

Tgt Ion:284 Resp: 88936
Ion Ratio Lower Upper
284 100
142 57.8 12.8 19.2#
249 37.1 22.5 33.7#

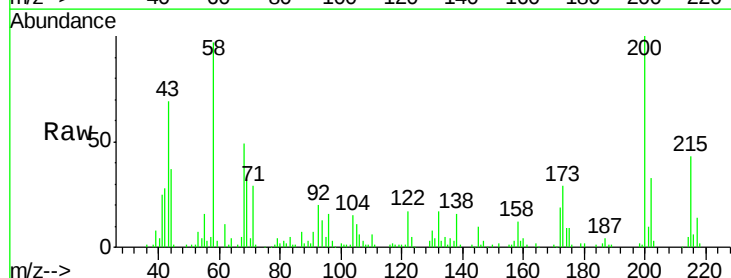


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

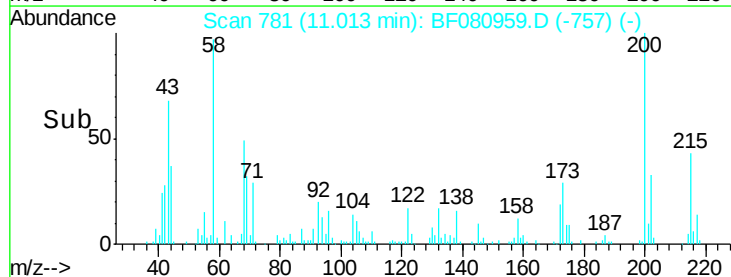
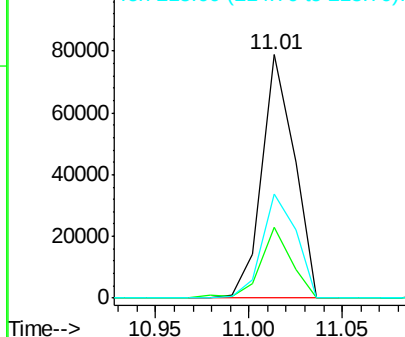


#68
Atrazine
Concen: 36.25 ng
RT: 11.01 min Scan# 781
Delta R.T. -0.02 min
Lab File: BF080959.D
Acq: 10 Aug 2015 19:09

Tgt Ion:200 Resp: 94886
Ion Ratio Lower Upper
200 100
173 29.1 8.4 48.4
215 42.8 22.7 62.7



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

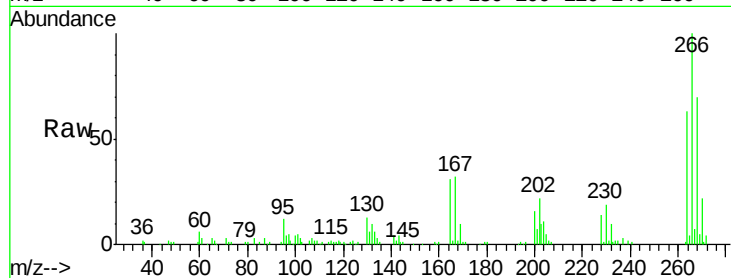




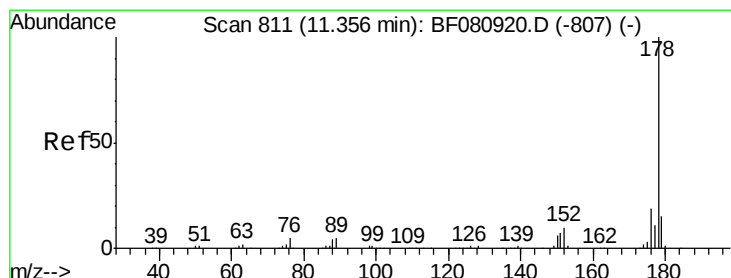
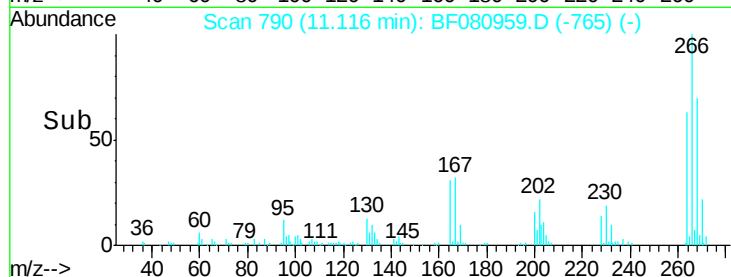
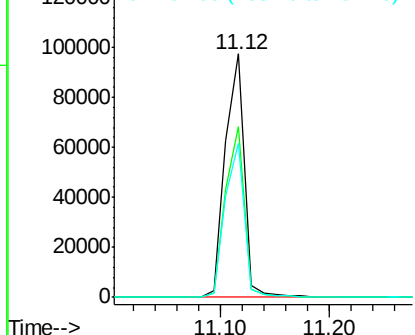
#69
 Pentachlorophenol
 Concen: 67.16 ng
 RT: 11.12 min Scan# 790
 Delta R.T. -0.01 min
 Lab File: BF080959.D
 Acq: 10 Aug 2015 19:09

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-2MS

Tgt Ion:266 Resp: 118175
 Ion Ratio Lower Upper
 266 100
 268 69.9 51.6 77.4
 264 63.2 50.1 75.1

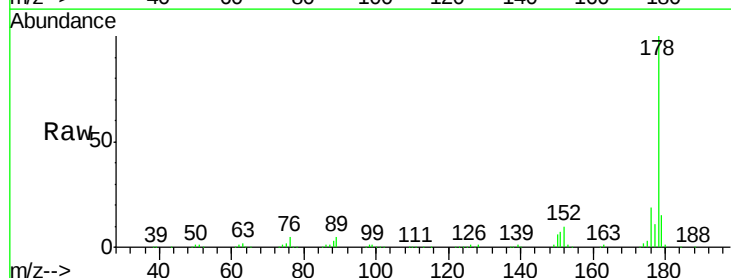


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

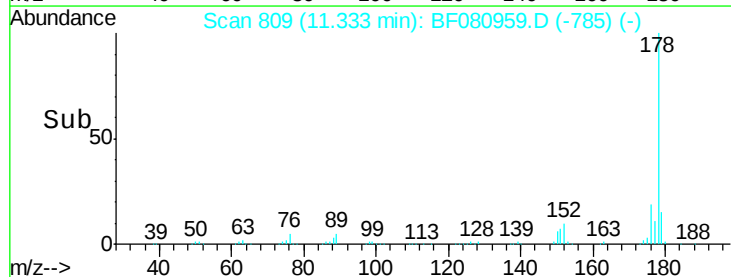
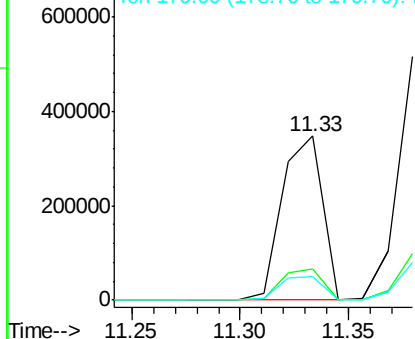


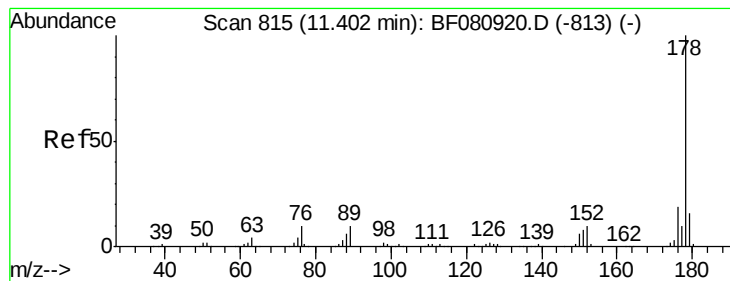
#70
 Phenanthrene
 Concen: 30.96 ng
 RT: 11.33 min Scan# 809
 Delta R.T. -0.02 min
 Lab File: BF080959.D
 Acq: 10 Aug 2015 19:09

Tgt Ion:178 Resp: 450560
 Ion Ratio Lower Upper
 178 100
 176 19.4 15.6 23.4
 179 14.7 11.9 17.9



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: 30.96 ng

RT: 11.38 min Scan# 813

Delta R.T. -0.02 min

Lab File: BF080959.D

Acq: 10 Aug 2015 19:09

Instrument :

BNA_F

ClientSampleId :

SOIL-2MS

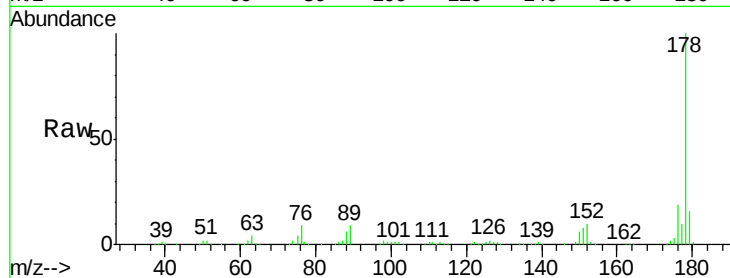
Tgt Ion:178 Resp: 446123

Ion Ratio Lower Upper

178 100

176 19.1 15.5 23.3

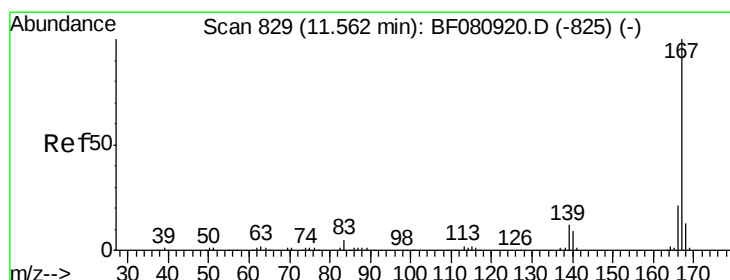
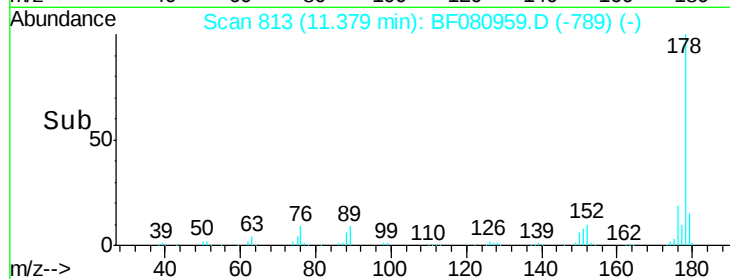
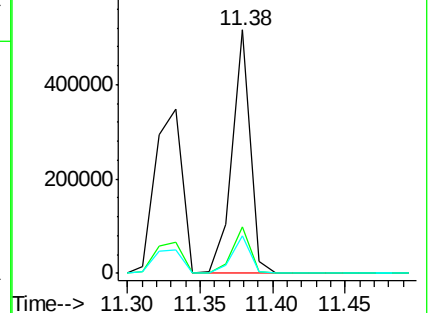
179 15.6 12.6 18.8



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: 32.05 ng

RT: 11.54 min Scan# 827

Delta R.T. -0.02 min

Lab File: BF080959.D

Acq: 10 Aug 2015 19:09

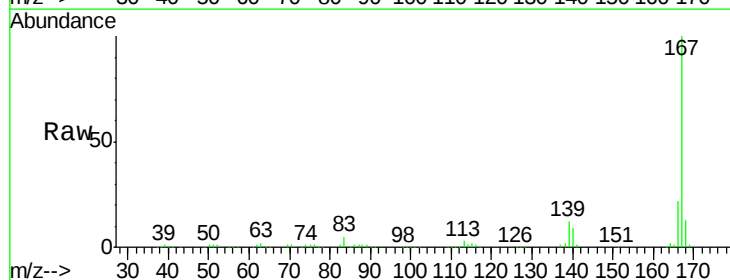
Tgt Ion:167 Resp: 449512

Ion Ratio Lower Upper

167 100

166 21.5 17.1 25.7

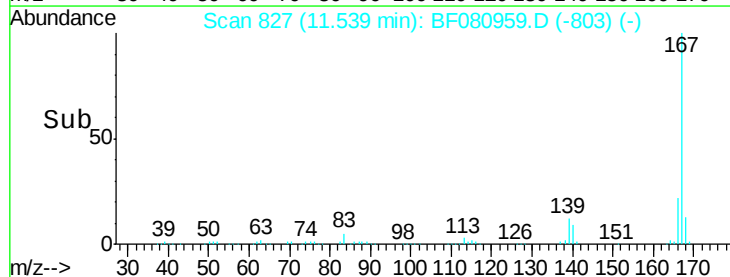
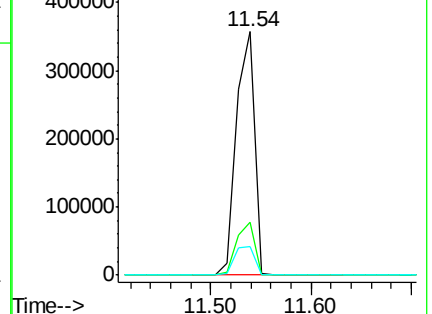
139 11.8 9.2 13.8



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

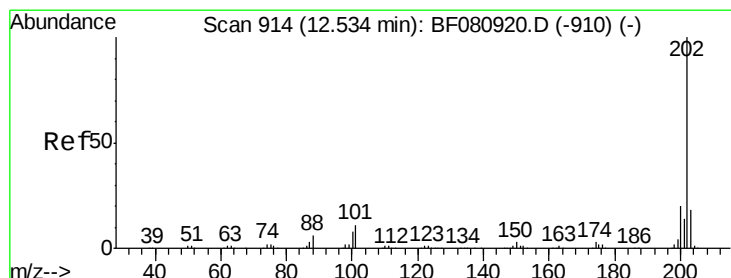
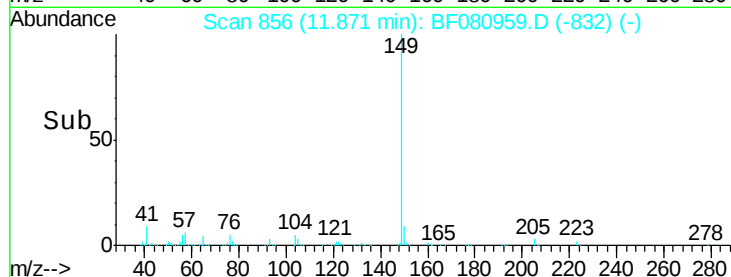
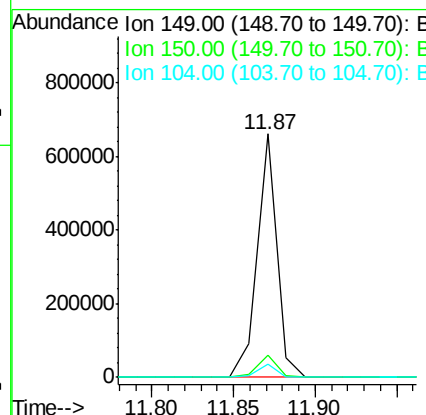
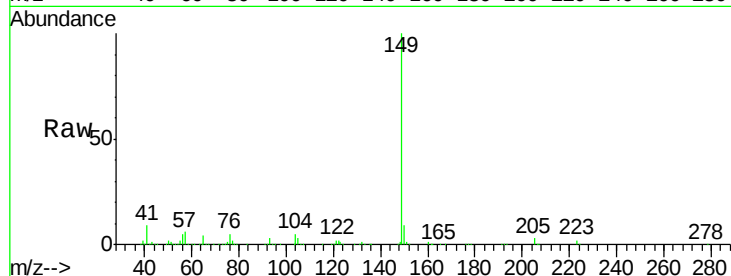




#73
Di-n-butylphthalate
Concen: 31.56 ng
RT: 11.87 min Scan# 856
Delta R.T. -0.02 min
Lab File: BF080959.D
Acq: 10 Aug 2015 19:09

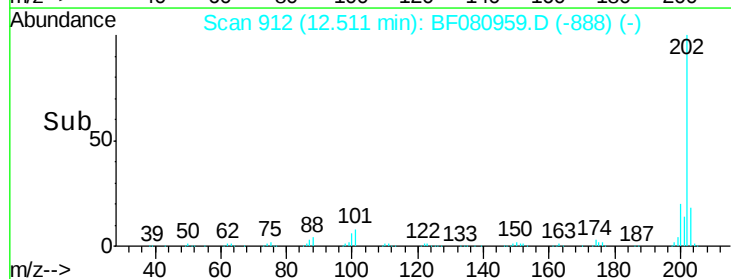
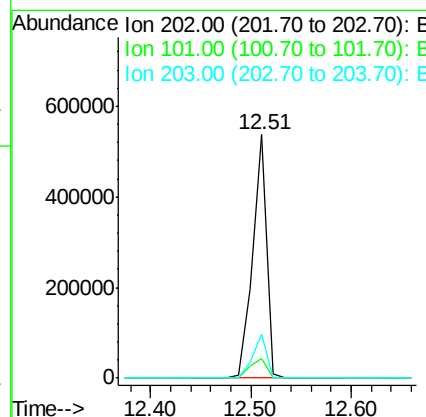
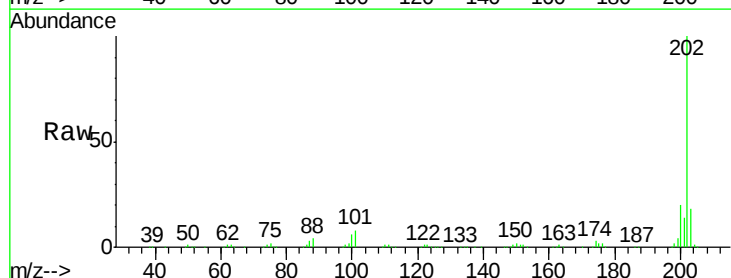
Instrument :
BNA_F
ClientSampleId :
SOIL-2MS

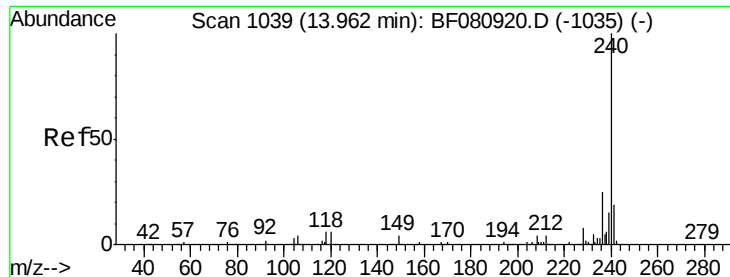
Tgt Ion:149 Resp: 553648
Ion Ratio Lower Upper
149 100
150 9.3 7.6 11.4
104 5.3 4.4 6.6



#74
Fluoranthene
Concen: 32.73 ng
RT: 12.51 min Scan# 912
Delta R.T. -0.02 min
Lab File: BF080959.D
Acq: 10 Aug 2015 19:09

Tgt Ion:202 Resp: 514961
Ion Ratio Lower Upper
202 100
101 7.9 0.0 30.5
203 17.8 0.0 37.7





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.93 min Scan# 1036

Delta R.T. -0.03 min

Lab File: BF080959.D

Acq: 10 Aug 2015 19:09

Instrument :

BNA_F

ClientSampleId :

SOIL-2MS

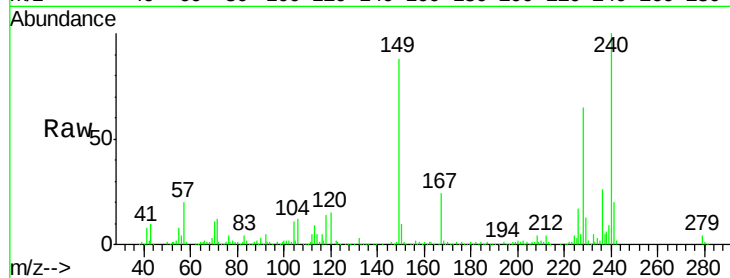
Tgt Ion:240 Resp: 236785

Ion Ratio Lower Upper

240 100

120 14.9 5.2 7.8#

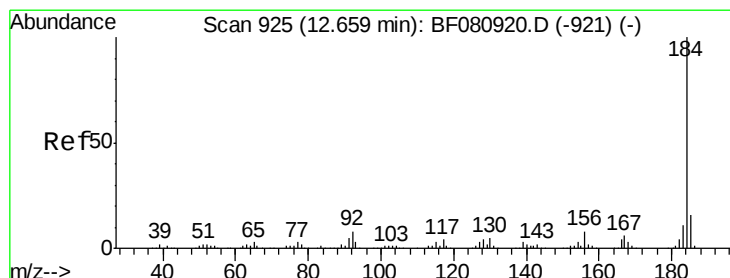
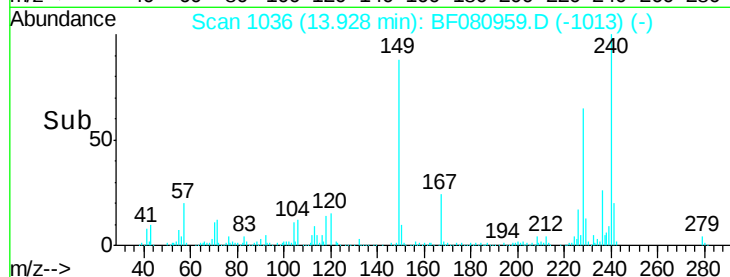
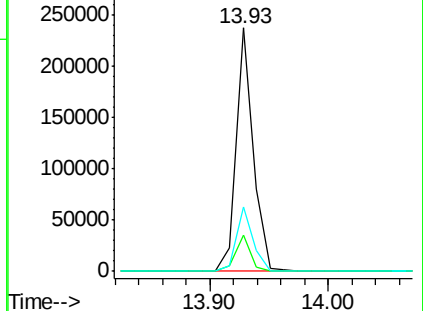
236 26.3 20.2 30.4



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: 11.23 ng

RT: 12.64 min Scan# 923

Delta R.T. -0.02 min

Lab File: BF080959.D

Acq: 10 Aug 2015 19:09

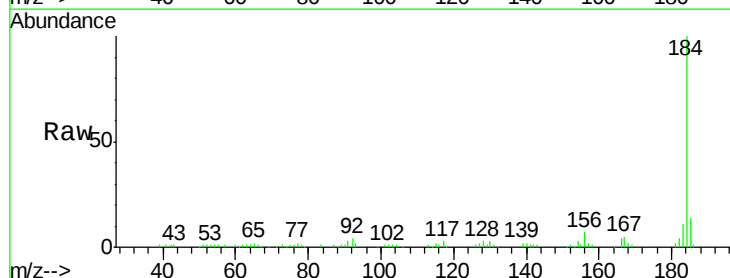
Tgt Ion:184 Resp: 133848

Ion Ratio Lower Upper

184 100

185 13.6 13.0 19.4

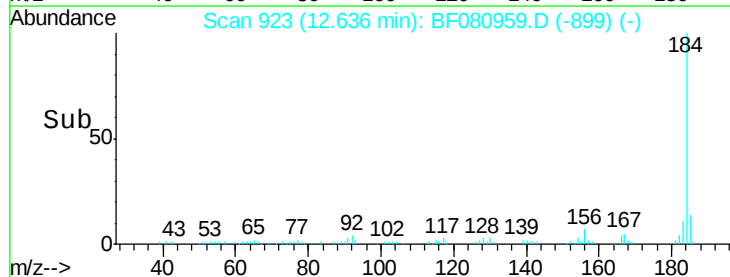
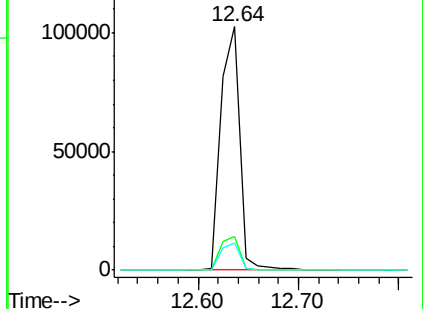
183 11.2 8.7 13.1

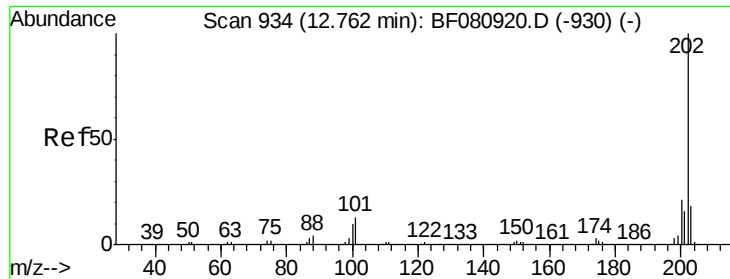


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

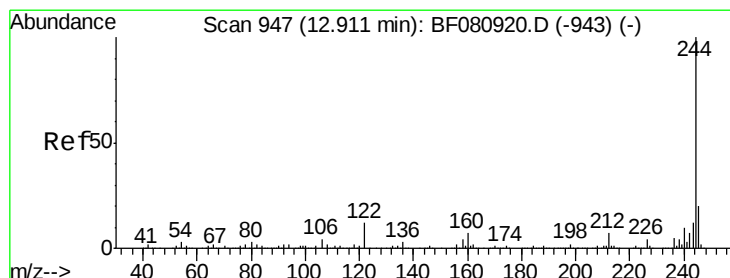
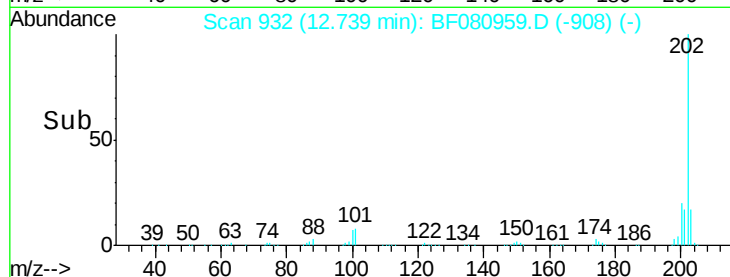
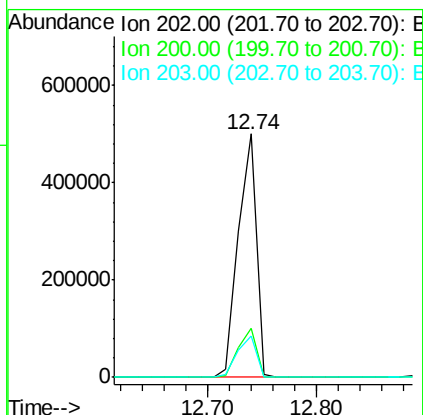
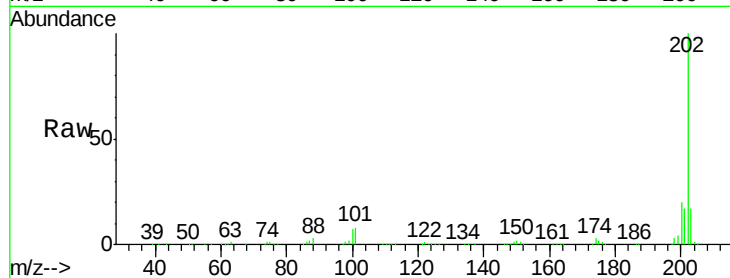




#77
Pyrene
 Concen: 32.39 ng
 RT: 12.74 min Scan# 932
 Delta R.T. -0.02 min
 Lab File: BF080959.D
 Acq: 10 Aug 2015 19:09

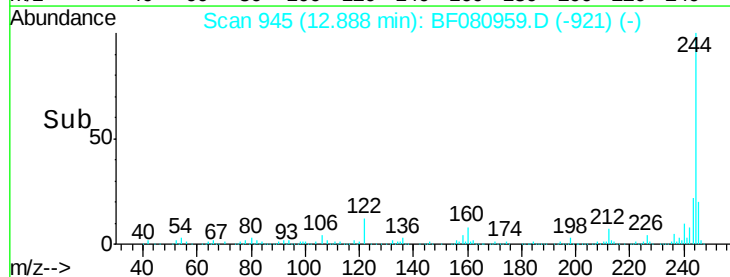
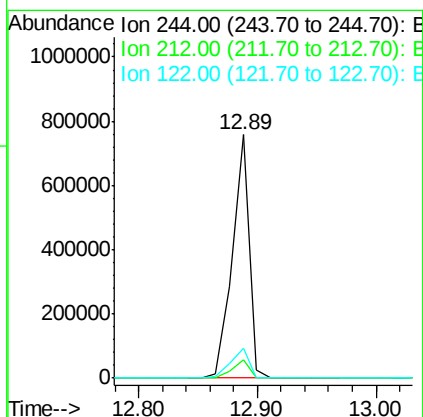
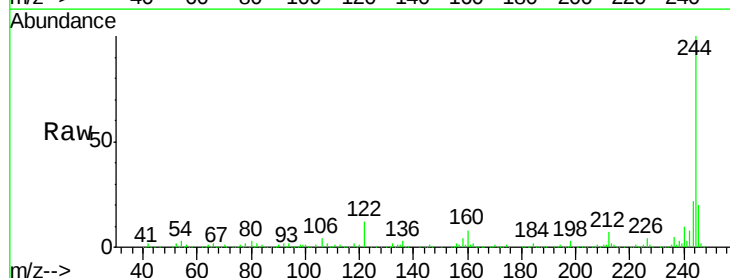
Instrument :
 BNA_F
 ClientSampleId :
 SOIL-2MS

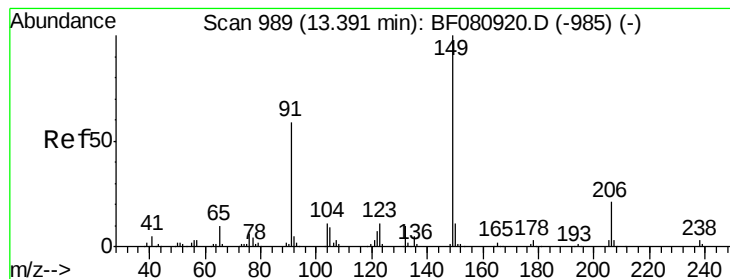
Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.3	16.6	24.8
203	17.0	14.2	21.2



#78
Terphenyl-d14
 Concen: 64.85 ng
 RT: 12.89 min Scan# 945
 Delta R.T. -0.02 min
 Lab File: BF080959.D
 Acq: 10 Aug 2015 19:09

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.5	5.8	8.8
122	12.4	9.4	14.2





#79

Butylbenzylphthalate

Concen: 27.60 ng

RT: 13.36 min Scan# 986

Delta R.T. -0.03 min

Lab File: BF080959.D

Acq: 10 Aug 2015 19:09

Instrument :

BNA_F

ClientSampleId :

SOIL-2MS

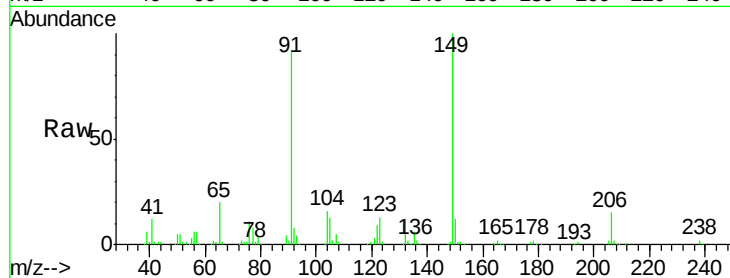
Tgt Ion:149 Resp: 232770

Ion Ratio Lower Upper

149 100

91 91.9 47.2 70.8#

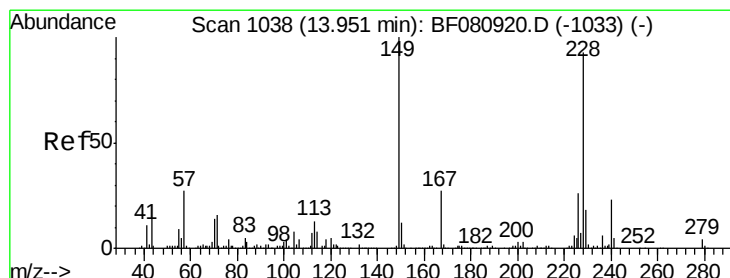
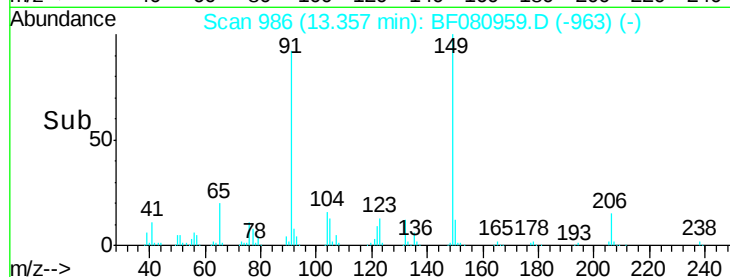
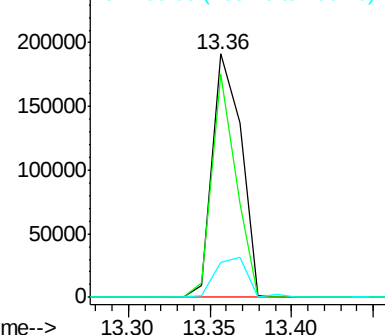
206 14.5 16.5 24.7#



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: 30.94 ng

RT: 13.92 min Scan# 1035

Delta R.T. -0.03 min

Lab File: BF080959.D

Acq: 10 Aug 2015 19:09

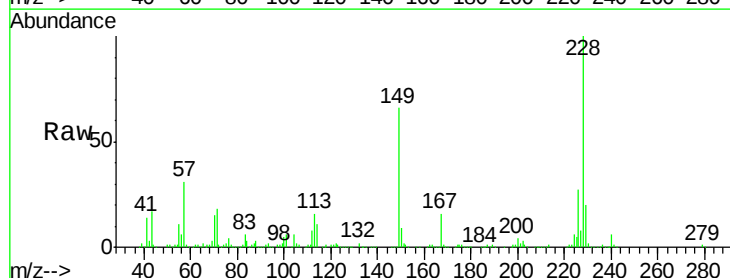
Tgt Ion:228 Resp: 462776

Ion Ratio Lower Upper

228 100

226 27.2 22.2 33.2

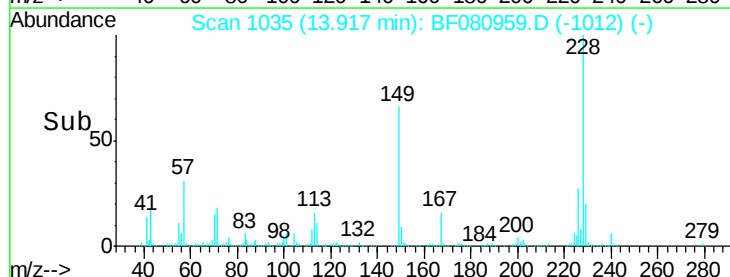
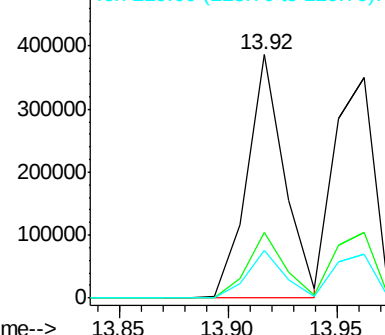
229 19.7 15.8 23.6



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

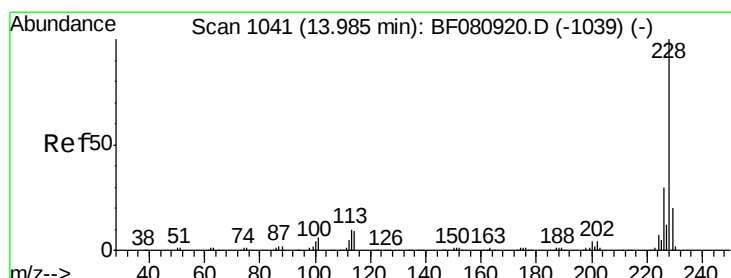
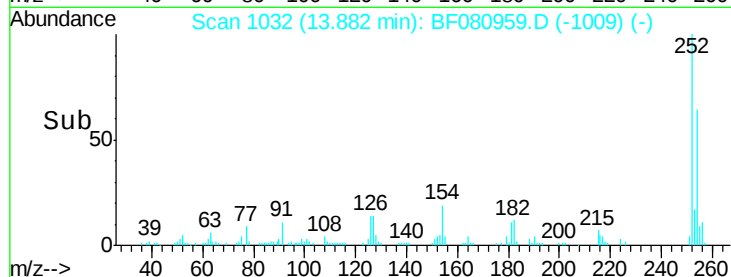
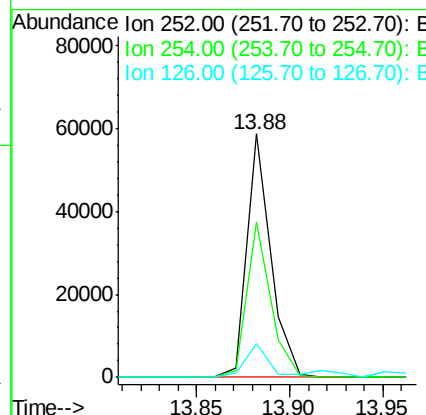
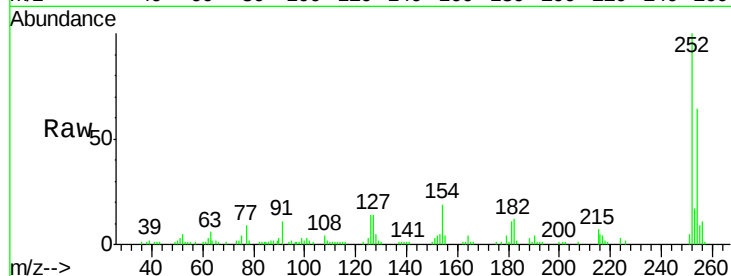




#81
 3,3'-Dichlorobenzidine
 Concen: 9.60 ng
 RT: 13.88 min Scan# 1032
 Delta R.T. -0.03 min
 Lab File: BF080959.D
 Acq: 10 Aug 2015 19:09

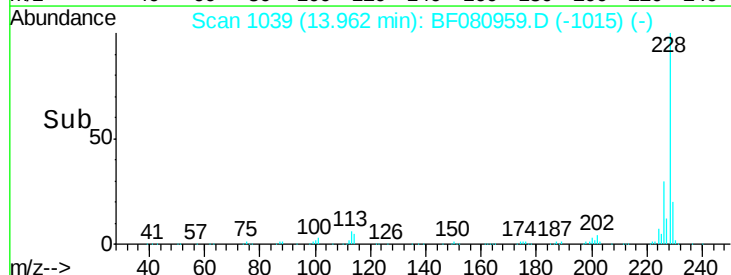
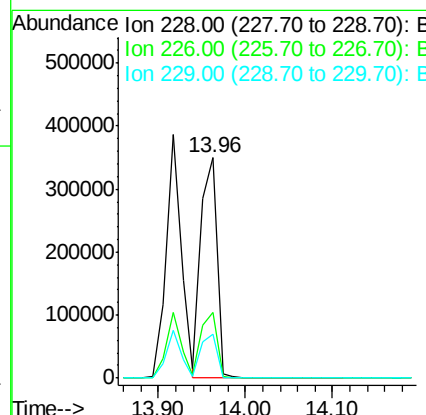
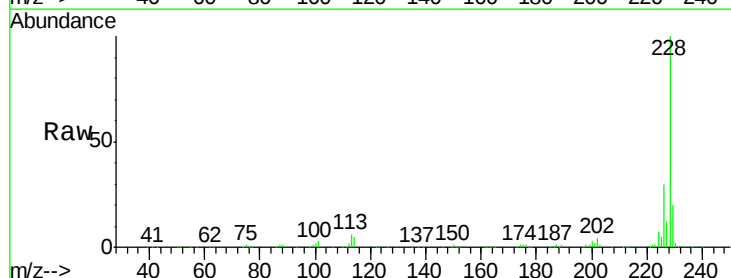
Instrument :
 BNA_F
 ClientSampleId :
 SOIL-2MS

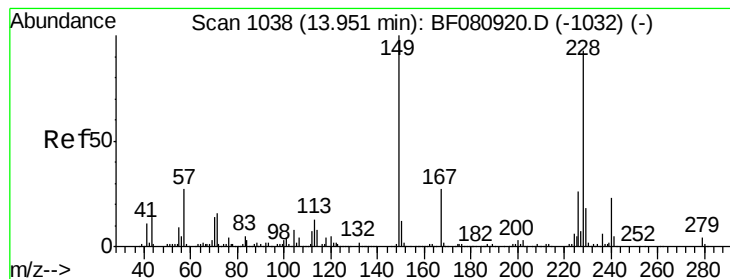
Tgt Ion: 252 Resp: 52240
 Ion Ratio Lower Upper
 252 100
 254 63.8 51.7 77.5
 126 13.6 7.1 10.7#



#82
 Chrysene
 Concen: 31.22 ng
 RT: 13.96 min Scan# 1039
 Delta R.T. -0.02 min
 Lab File: BF080959.D
 Acq: 10 Aug 2015 19:09

Tgt Ion: 228 Resp: 447125
 Ion Ratio Lower Upper
 228 100
 226 30.0 23.9 35.9
 229 19.9 15.8 23.6





#83

Bis(2-ethylhexyl)phthalate

Concen: 28.06 ng

RT: 13.92 min Scan# 1035

Delta R.T. -0.03 min

Lab File: BF080959.D

Acq: 10 Aug 2015 19:09

Instrument :

BNA_F

ClientSampleId :

SOIL-2MS

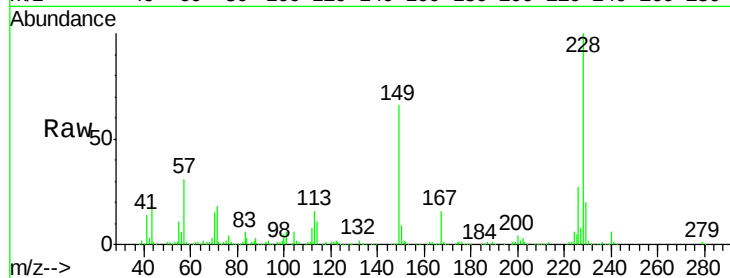
Tgt Ion:149 Resp: 329278

Ion Ratio Lower Upper

149 100

167 24.0 21.4 32.0

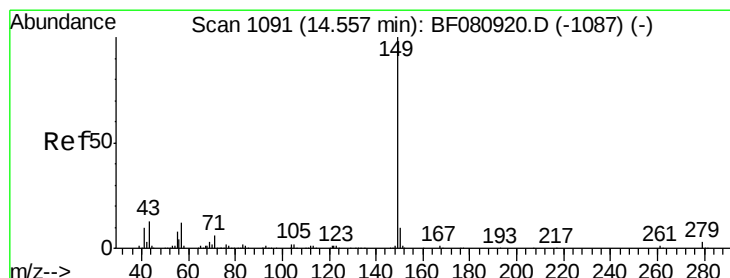
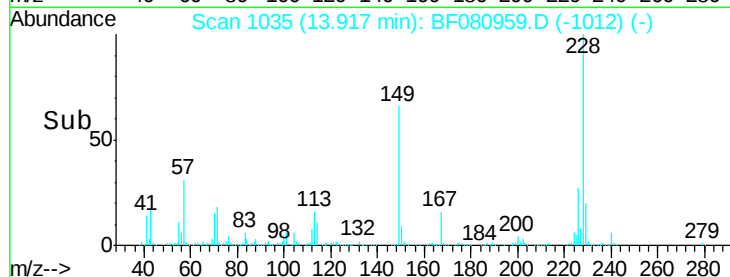
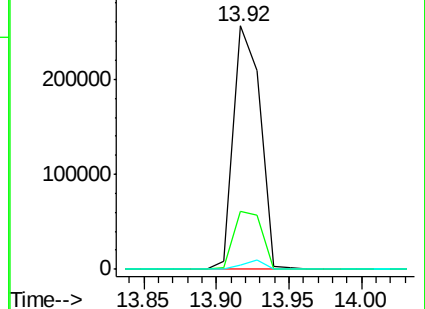
279 1.7 2.9 4.3#



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: 27.95 ng

RT: 14.53 min Scan# 1089

Delta R.T. -0.02 min

Lab File: BF080959.D

Acq: 10 Aug 2015 19:09

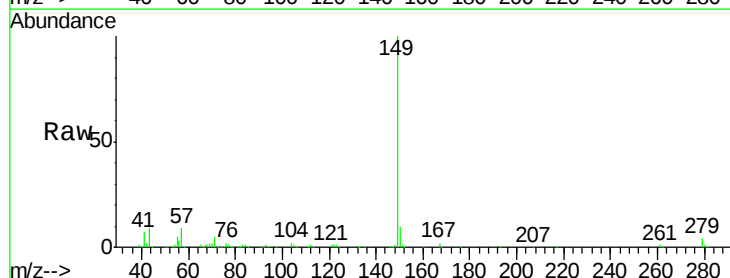
Tgt Ion:149 Resp: 555990

Ion Ratio Lower Upper

149 100

167 1.5 1.1 1.7

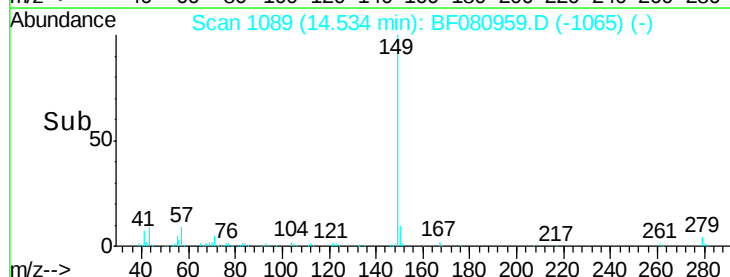
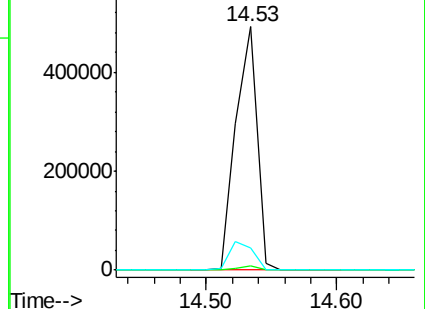
43 13.5 11.0 16.4

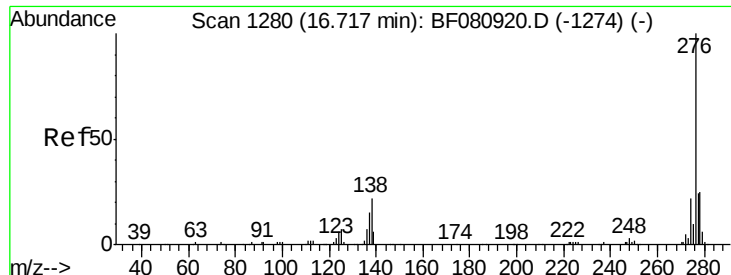


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0

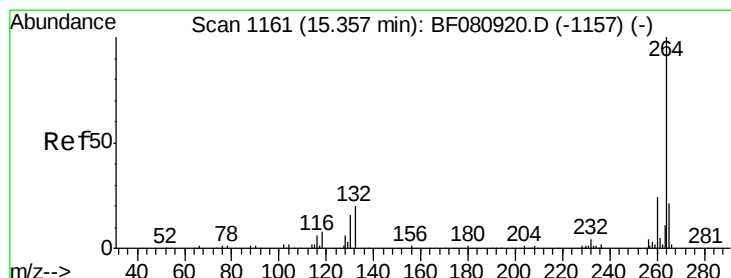
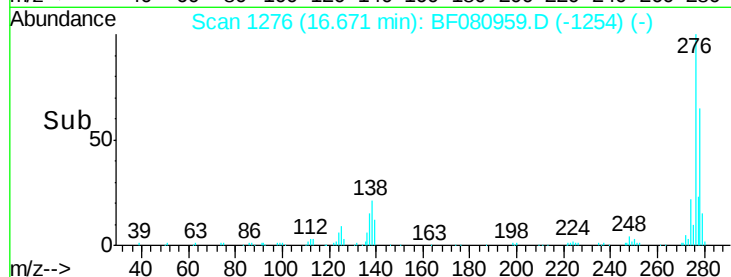
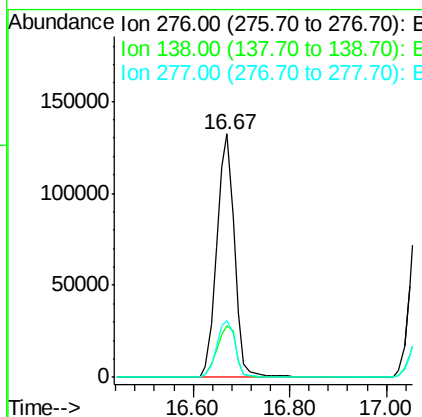
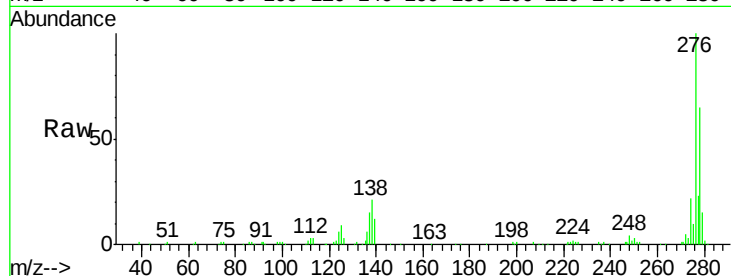




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 24.99 ng
 RT: 16.67 min Scan# 1276
 Delta R.T. -0.05 min
 Lab File: BF080959.D
 Acq: 10 Aug 2015 19:09

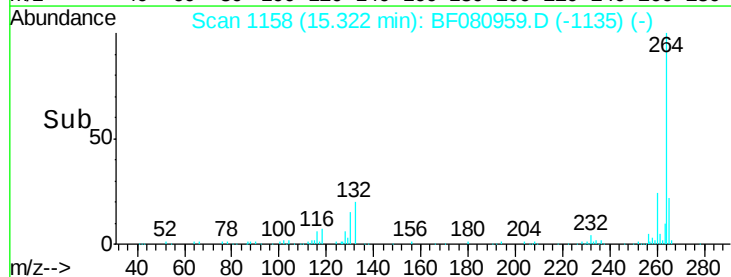
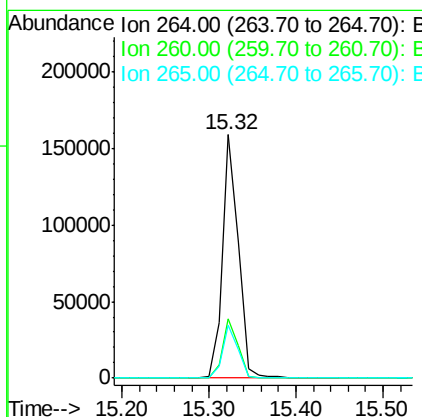
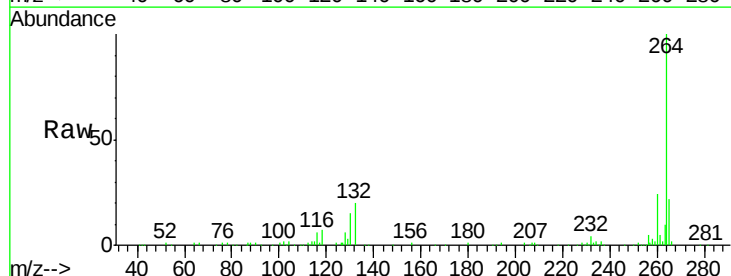
Instrument :
 BNA_F
 ClientSampleId :
 SOIL-2MS

Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.6	19.9	29.9
277	24.5	19.7	29.5



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.32 min Scan# 1158
 Delta R.T. -0.03 min
 Lab File: BF080959.D
 Acq: 10 Aug 2015 19:09

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.4	29.0
265	21.8	17.0	25.4

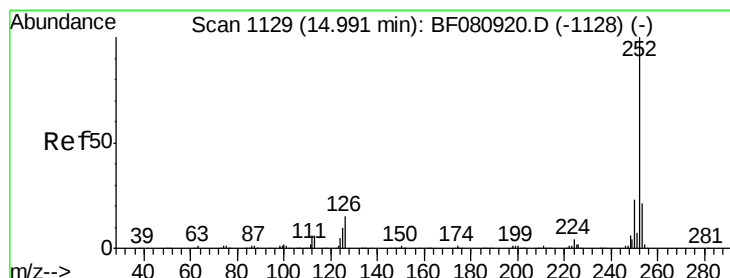
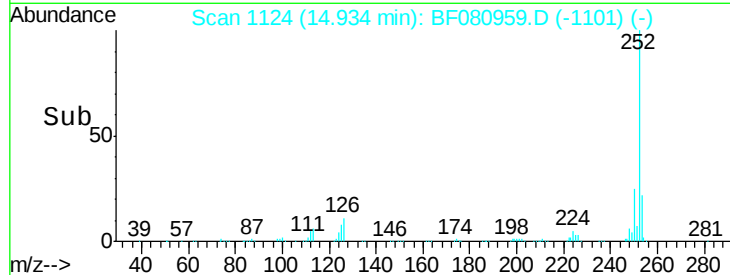
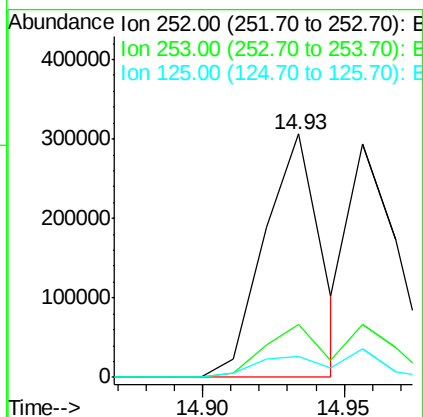
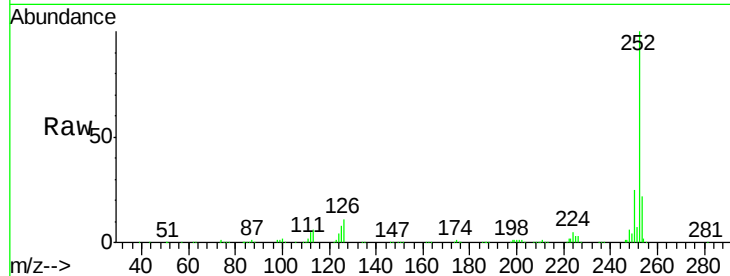




#87
Benzo(b)fluoranthene
Concen: 30.07 ng m
RT: 14.93 min Scan# 1124
Delta R.T. -0.03 min
Lab File: BF080959.D
Acq: 10 Aug 2015 19:09

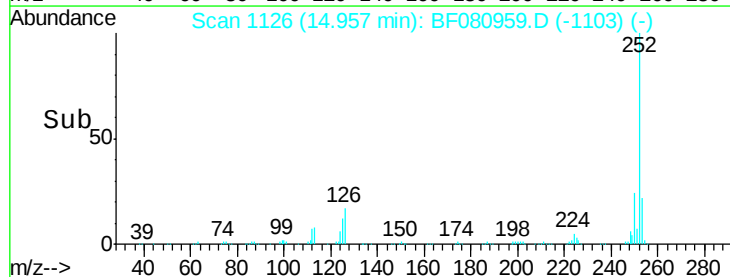
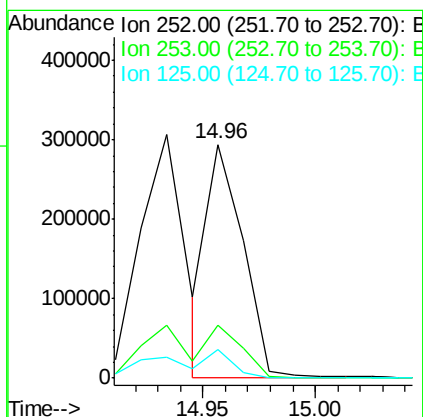
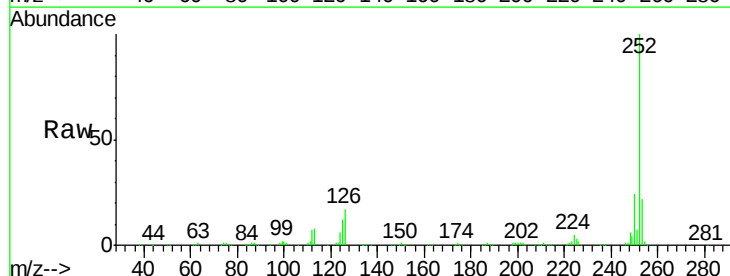
Instrument :
BNA_F
ClientSampleId :
SOIL-2MS

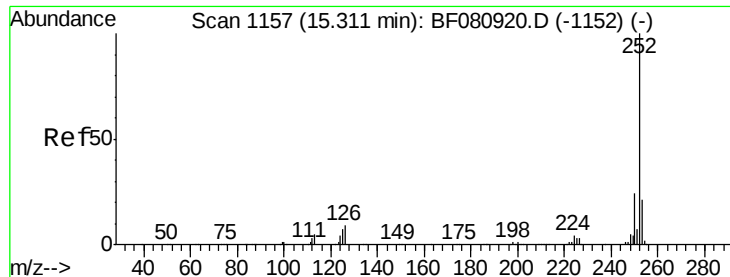
Tgt Ion:252 Resp: 424210
Ion Ratio Lower Upper
252 100
253 21.7 17.6 26.4
125 8.4 6.1 9.1



#88
Benzo(k)fluoranthene
Concen: 26.85 ng m
RT: 14.96 min Scan# 1126
Delta R.T. -0.03 min
Lab File: BF080959.D
Acq: 10 Aug 2015 19:09

Tgt Ion:252 Resp: 331417
Ion Ratio Lower Upper
252 100
253 22.4 17.4 26.2
125 12.0 9.0 13.6





#89

Benzo(a)pyrene

Concen: 28.90 ng

RT: 15.27 min Scan# 1153

Delta R.T. -0.05 min

Lab File: BF080959.D

Acq: 10 Aug 2015 19:09

Instrument :

BNA_F

ClientSampleId :

SOIL-2MS

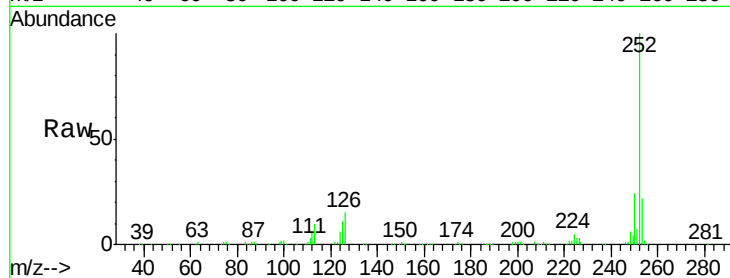
Tgt Ion:252 Resp: 350475

Ion Ratio Lower Upper

252 100

253 22.0 16.9 25.3

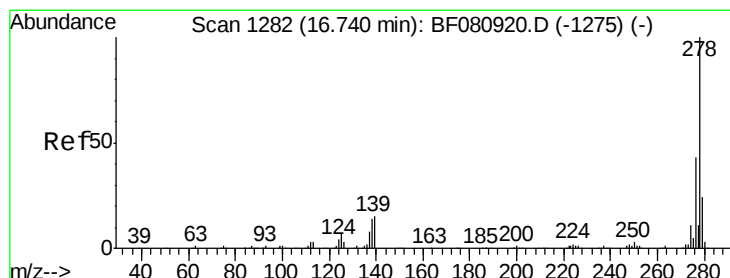
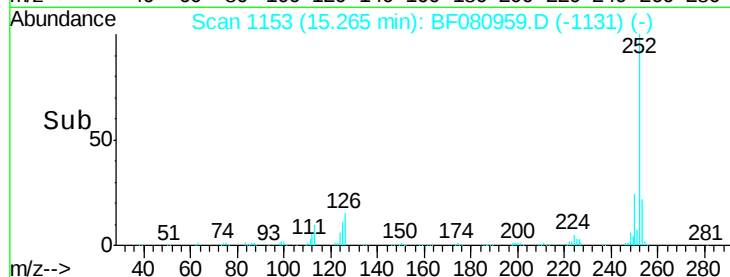
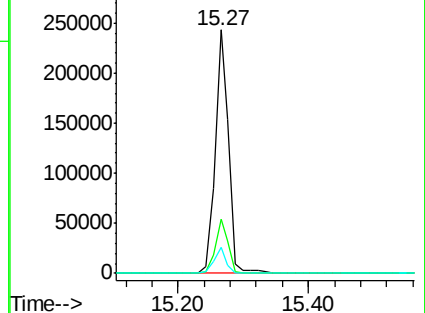
125 10.8 5.8 8.8#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Dibenzo(a,h)anthracene

Concen: 27.29 ng

RT: 16.68 min Scan# 1277

Delta R.T. -0.06 min

Lab File: BF080959.D

Acq: 10 Aug 2015 19:09

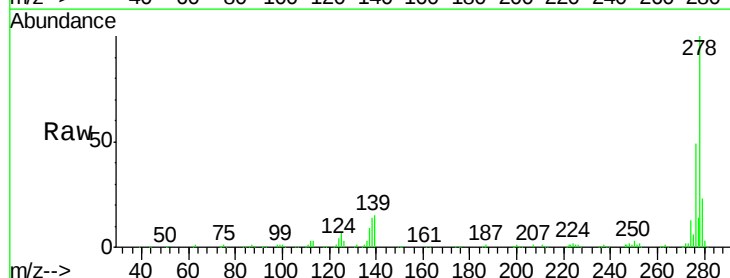
Tgt Ion:278 Resp: 292708

Ion Ratio Lower Upper

278 100

139 15.2 11.9 17.9

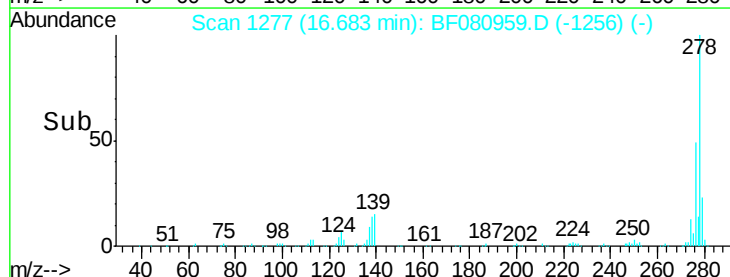
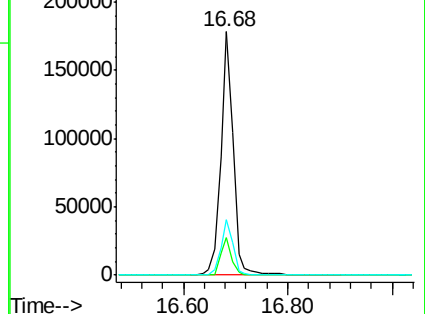
279 22.6 19.0 28.6

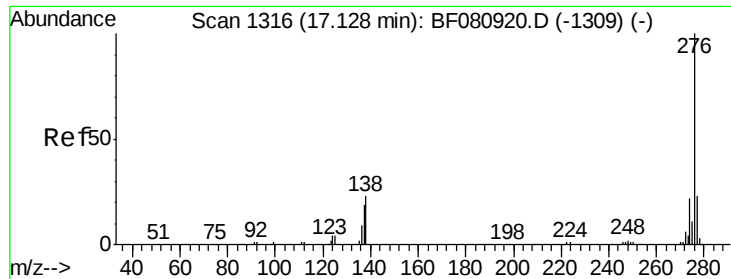


Abundance Ion 278.00 (277.70 to 278.70): E

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: 27.17 ng

RT: 17.07 min Scan# 1311

Delta R.T. -0.06 min

Lab File: BF080959.D

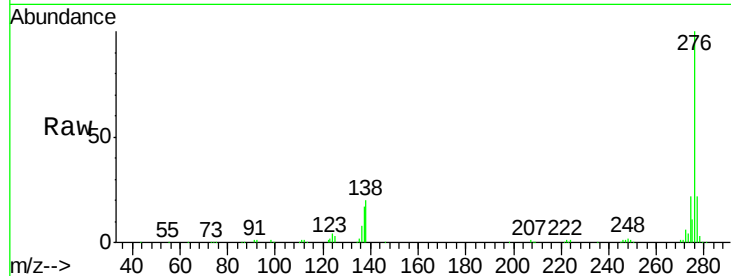
Acq: 10 Aug 2015 19:09

Instrument :

BNA_F

ClientSampleId :

SOIL-2MS



Tgt Ion: 276 Resp: 283463

Ion Ratio Lower Upper

276 100

277 22.0 18.6 28.0

138 19.9 18.4 27.6

Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

