

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 01:13:04 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	116017	17.43	ng	97
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	6.81	146	164560	27.08	ng	98
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	25464	15.47	ng	91
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

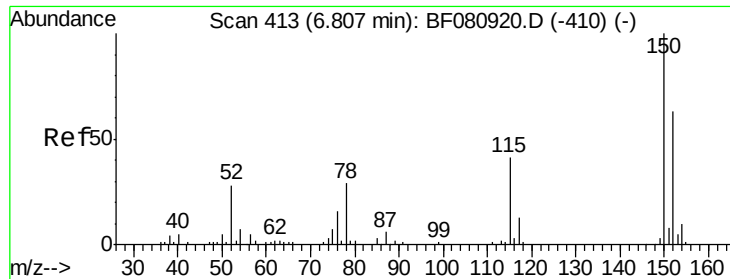
Data Path : Z:\HPCHEM1\BNA F\DATA\BF081015\
 Data File : BF080959.D
 Acq On : 10 Aug 2015 19:09
 Operator : TP/UM
 Sample : G3212-02MS
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-2MS

Quant Time: Aug 11 01:13:04 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)
42) 2,4,6-Trichlorophenol	9.07	196	83893	26.68	nq	96
43) 2,4,5-Trichlorophenol	9.10	196	88247	27.85	nq	# 82
45) 1,1'-Biphenyl	9.25	154	475513	39.81	nq	99
46) 2-Chloronaphthalene	9.28	162	267427	28.72	nq	99
47) 2-Nitroaniline	9.37	65	99294	26.59	nq	95
48) Acenaphthylene	9.69	152	454612	28.08	nq	100
49) Dimethylphthalate	9.56	163	323897	28.02	nq	# 99
50) 2,6-Dinitrotoluene	9.62	165	73663	30.84	nq	# 52
51) Acenaphthene	9.86	154	282078	28.45	nq	99
52) 3-Nitroaniline	9.78	138	20824	7.07	nq	80
53) 2,4-Dinitrophenol	9.88	184	48527	37.01	nq	# 73
54) Dibenzofuran	10.03	168	392257	29.26	nq	99
55) 4-Nitrophenol	9.95	139	130303	59.12	nq	# 59
56) 2,4-Dinitrotoluene	10.02	165	100712	31.51	nq	# 72
57) Fluorene	10.37	166	320295	30.88	nq	99
58) 2,3,4,6-Tetrachlorophenol	10.11	232	69845	27.85	nq	98
59) Diethylphthalate	10.26	149	363162	30.18	nq	96
60) 4-Chlorophenyl-phenylether	10.36	204	129464	25.62	nq	96
61) 4-Nitroaniline	10.40	138	76464	25.24	nq	97
62) Azobenzene	10.52	77	377319	28.04	nq	99
64) 4,6-Dinitro-2-methylphenol	10.42	198	36879	23.15	nq	# 67
65) n-Nitrosodiphenylamine	10.49	169	279683	31.32	nq	99
66) 4-Bromophenyl-phenylether	10.85	248	82380	30.26	nq	99
67) Hexachlorobenzene	10.91	284	88936	29.39	nq	# 53
68) Atrazine	11.01	200	94886	36.25	nq	99
69) Pentachlorophenol	11.12	266	118175	67.16	nq	96
70) Phenanthrene	11.33	178	450560	30.96	nq	100
71) Anthracene	11.38	178	446123	30.96	nq	100
72) Carbazole	11.54	167	449512	32.05	nq	100
73) Di-n-butylphthalate	11.87	149	553648	31.56	nq	99
74) Fluoranthene	12.51	202	514961	32.73	nq	97
76) Benzidine	12.64	184	133848	11.23	nq	96
77) Pyrene	12.74	202	566650	32.39	nq	99
79) Butylbenzylphthalate	13.36	149	232770	27.60	nq	# 64
80) Benzo(a)anthracene	13.92	228	462776	30.94	nq	99
81) 3,3'-Dichlorobenzidine	13.88	252	52240	9.60	nq	# 97
82) Chrysene	13.96	228	447125	31.22	nq	100
83) Bis(2-ethylhexyl)phthalate	13.92	149	329278	28.06	nq	# 95
84) Di-n-octyl phthalate	14.53	149	555990	27.95	nq	100
85) Indeno(1,2,3-cd)pyrene	16.67	276	340632	24.99	nq	98
87) Benzo(b)fluoranthene	14.93	252	760570	53.91	nq	99
88) Benzo(k)fluoranthene	14.93	252	760570	61.62	nq	# 97
89) Benzo(a)pyrene	15.27	252	350475	28.90	nq	# 96
90) Dibenzo(a,h)anthracene	16.68	278	292708	27.29	nq	98
91) Benzo(g,h,i)perylene	17.07	276	283463	27.17	nq	95

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

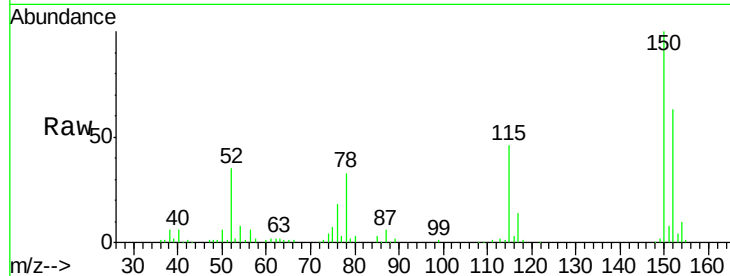


#1

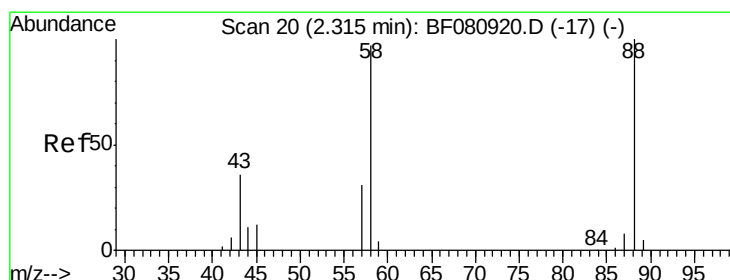
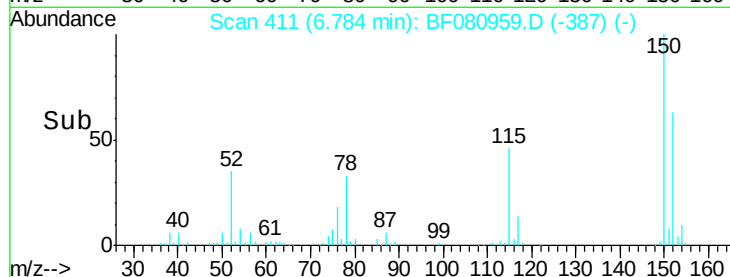
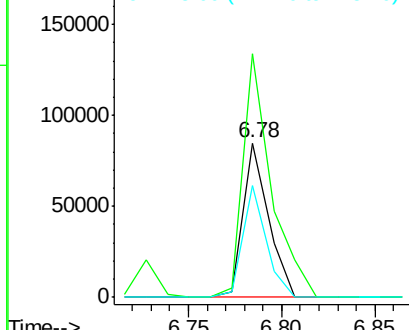
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.78 min Scan# 411
Delta R.T. -0.02 min
Lab File: BF080959.D
Acq: 10 Aug 2015 19:09

Instrument :
BNA_F
ClientSampleId :
SOIL-2MS

Tot Ion:152 Resp: 80857
Ion Ratio Lower Upper
152 100
150 157.5 127.4 191.2
115 72.5 52.6 78.8



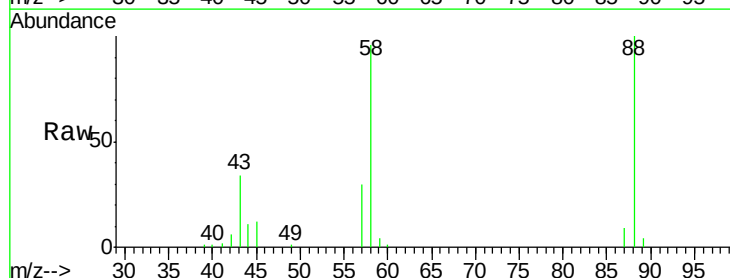
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



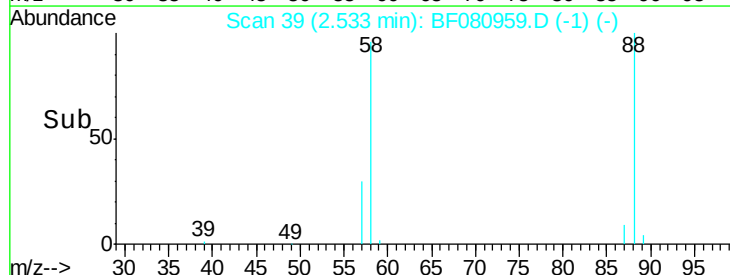
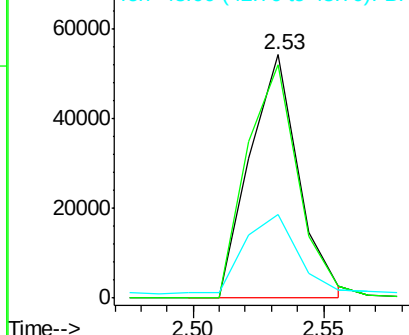
#2

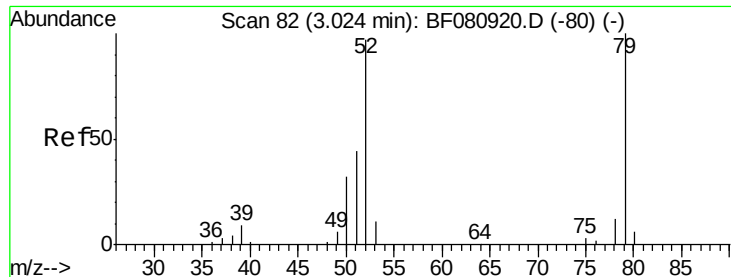
1,4-Dioxane
Concen: 29.96 ng
RT: 2.53 min Scan# 39
Delta R.T. 0.22 min
Lab File: BF080959.D
Acq: 10 Aug 2015 19:09

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

Pvridine

Concen: 17.43 ng

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

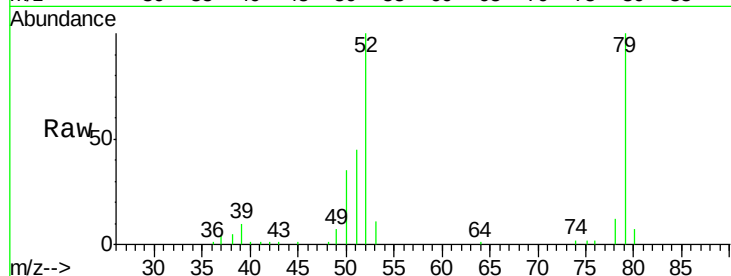
Tot Ion: 79 Resp: 116017

Ion Ratio Lower Upper

79 100

52 99.8 77.2 115.8

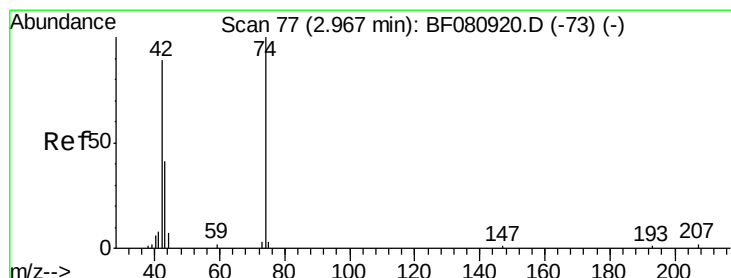
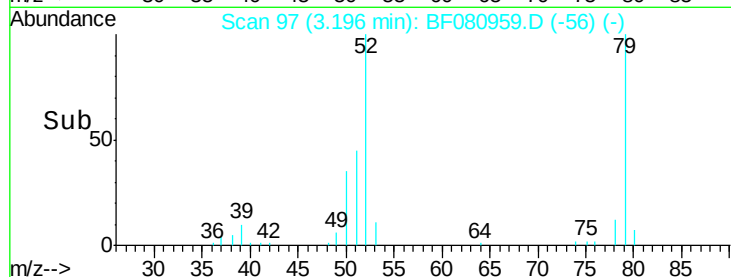
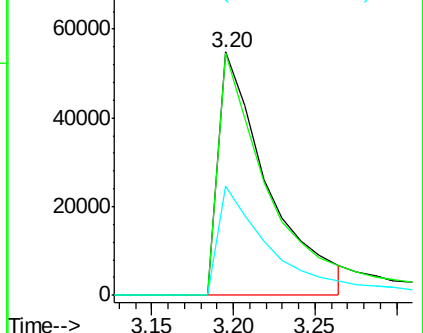
51 44.8 35.0 52.4



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

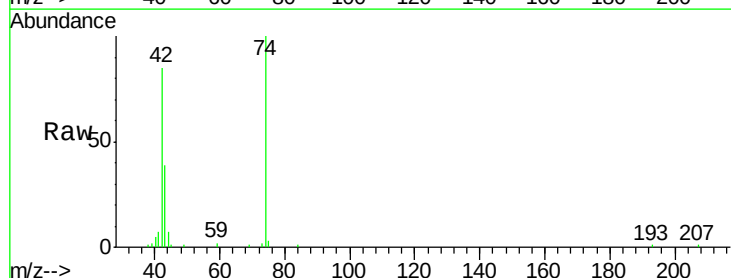
Tgt Ion: 42 Resp: 93924

Ion Ratio Lower Upper

42 100

74 117.1 89.8 134.8

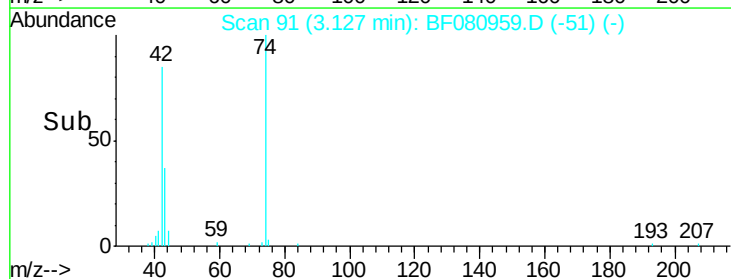
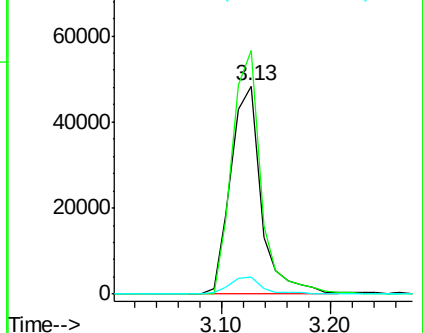
44 8.1 6.5 9.7

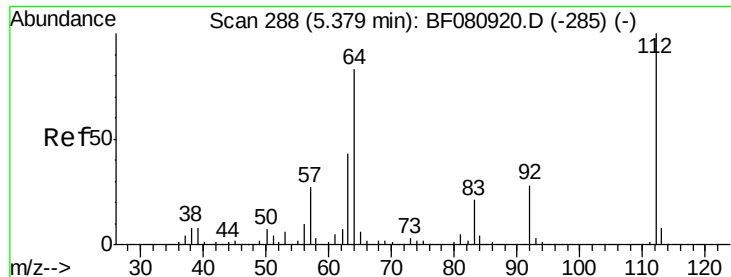


Abundance Ion 42.00 (41.70 to 42.70): BF0

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

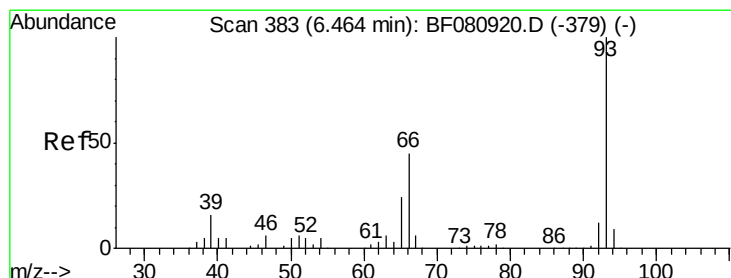
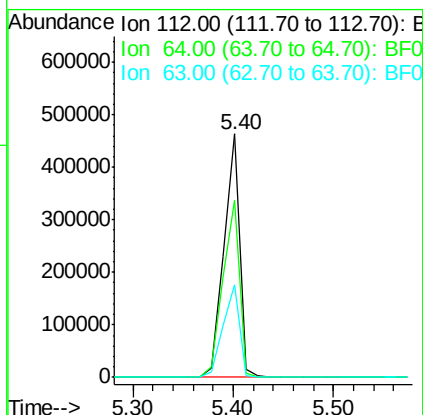
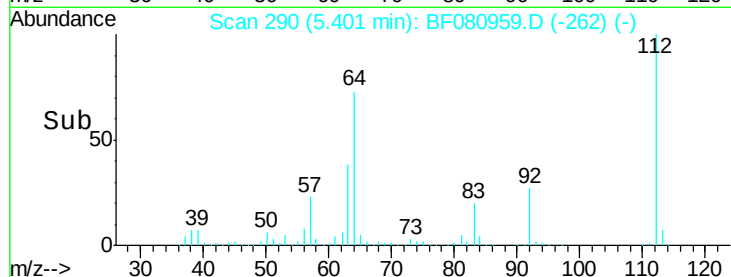
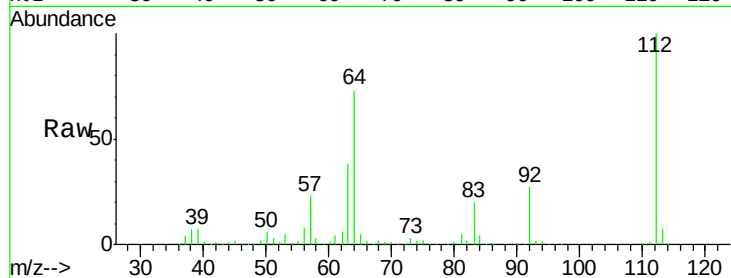
Instrument :

BNA_F

ClientSampleId :

SOIL-2MS

Tot 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

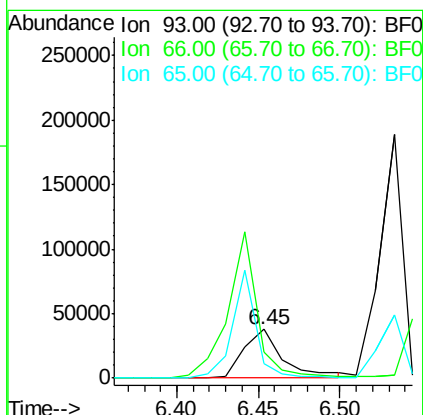
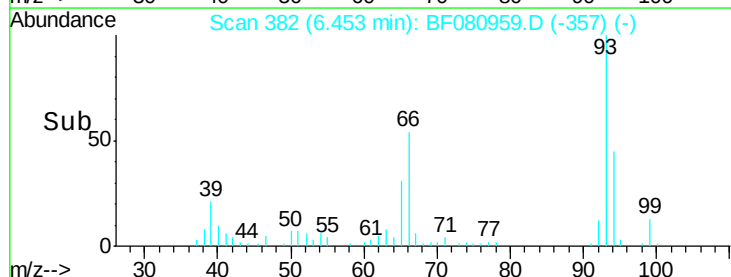
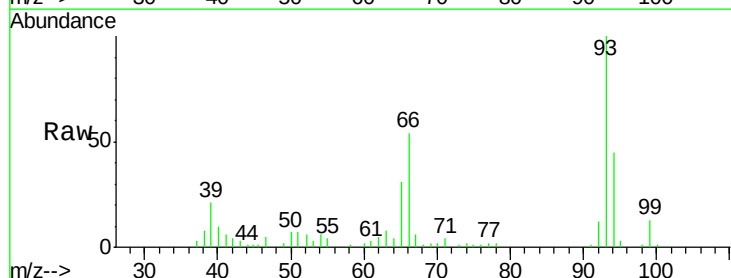
RT: 6.45 min Scan# 382

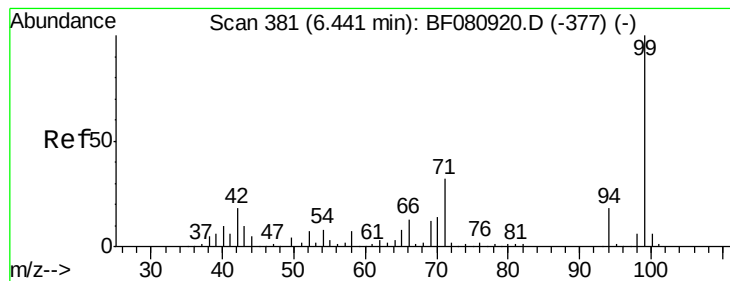
Delta R.T. -0.01 min

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

Instrument :

BNA_F

ClientSampleId :

SOIL-2MS

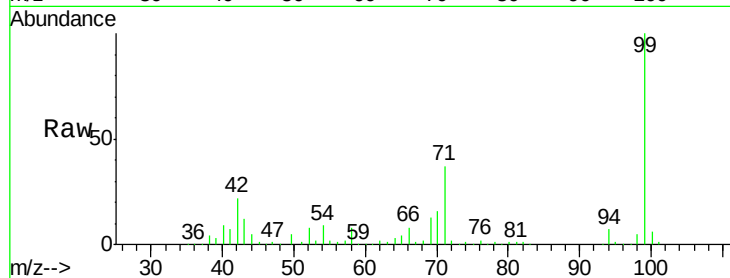
Tot Ion: 99 Resp: 603174

Ion Ratio Lower Upper

99 100

42 21.6 14.4 21.6

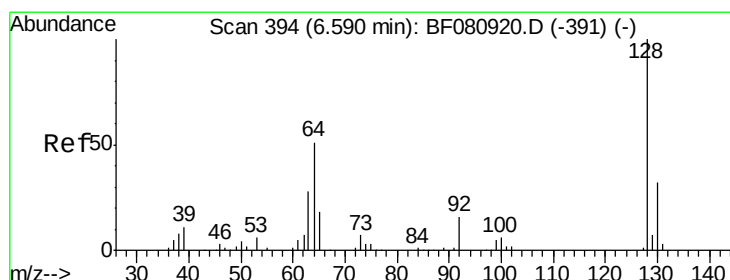
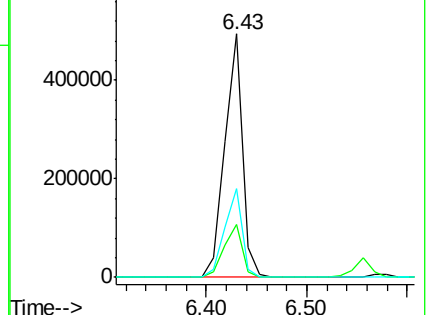
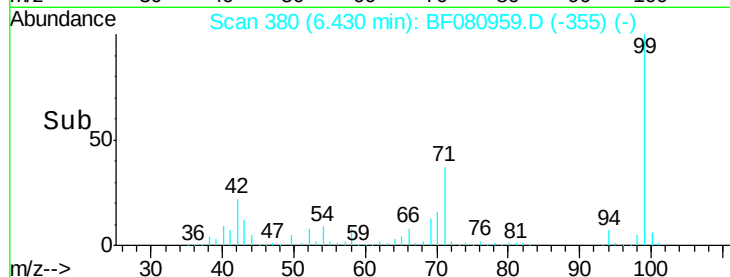
71 36.6 25.8 38.8



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

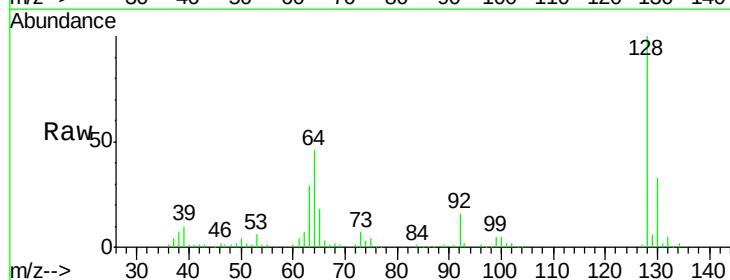
Tgt Ion: 128 Resp: 152719

Ion Ratio Lower Upper

128 100

130 32.9 12.4 52.4

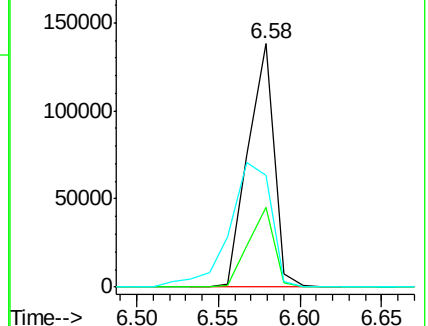
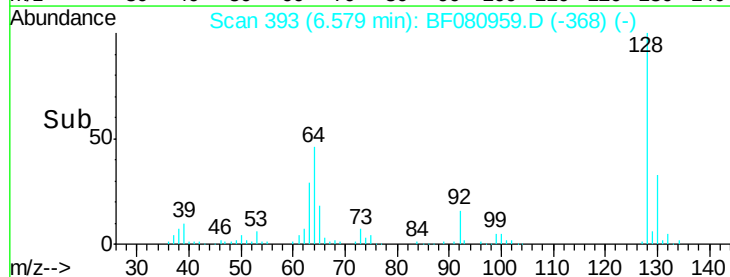
64 46.0 32.1 72.1

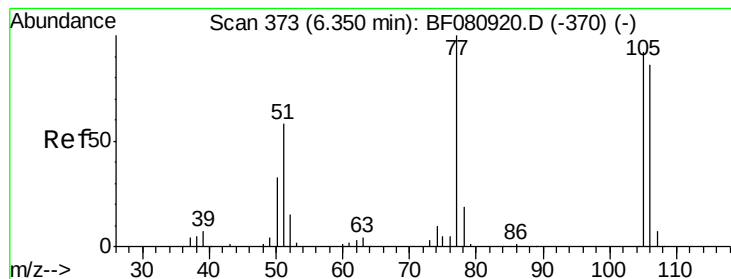


Abundance Ion 128.00 (127.70 to 128.70): E

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

Lab File: BF080959.D

Acq: 10 Aug 2015 19:09

Instrument :

BNA_F

ClientSampleId :

SOIL-2MS

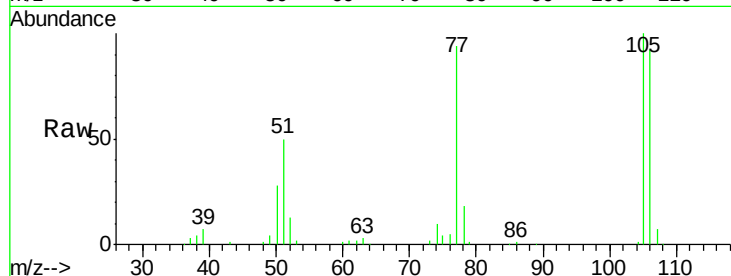
Tot Ion: 77 Resp: 118461

Ion Ratio Lower Upper

77 100

105 106.5 71.6 111.6

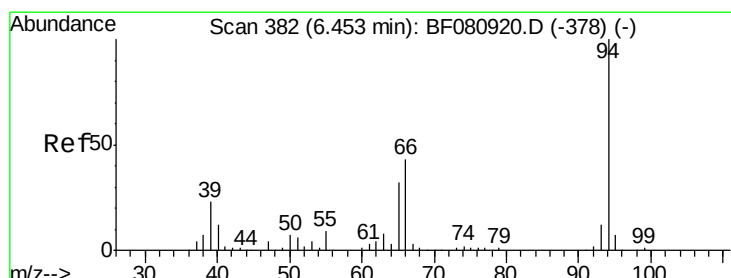
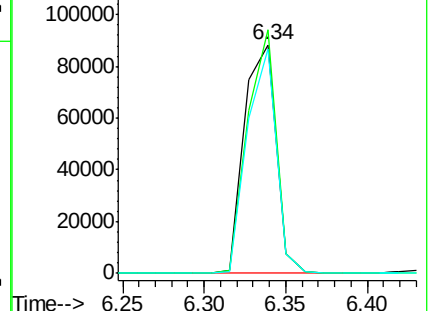
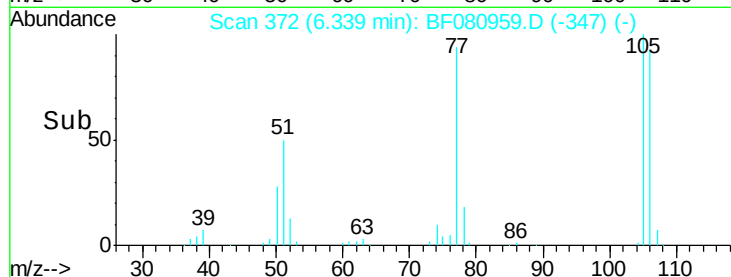
106 98.0 65.7 105.7



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

Lab File: BF080959.D

Acq: 10 Aug 2015 19:09

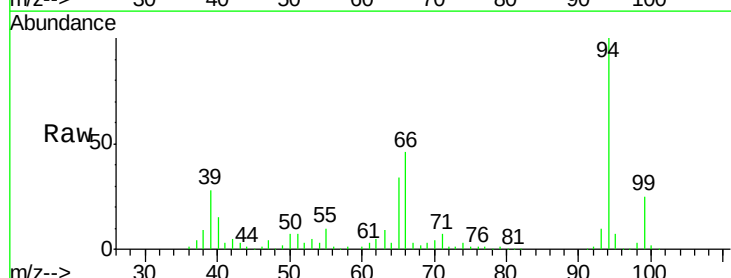
Tgt Ion: 94 Resp: 208878

Ion Ratio Lower Upper

94 100

65 34.3 11.8 51.8

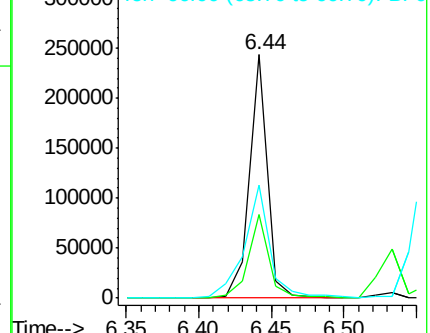
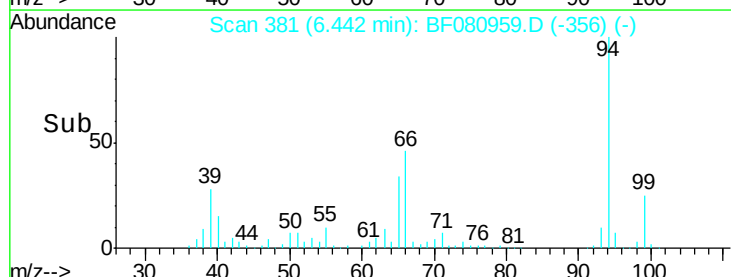
66 46.4 22.9 62.9

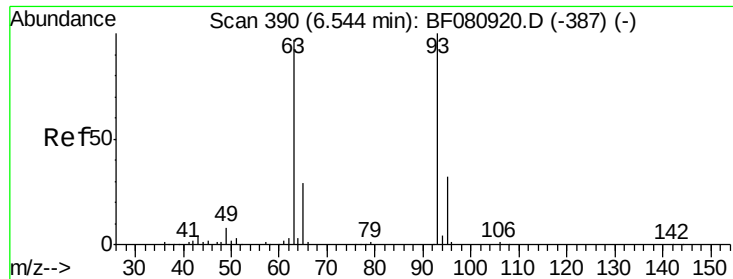


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

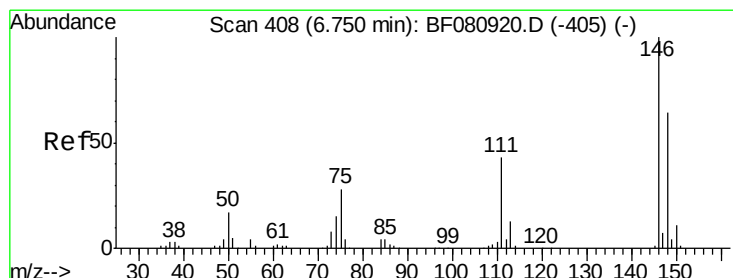
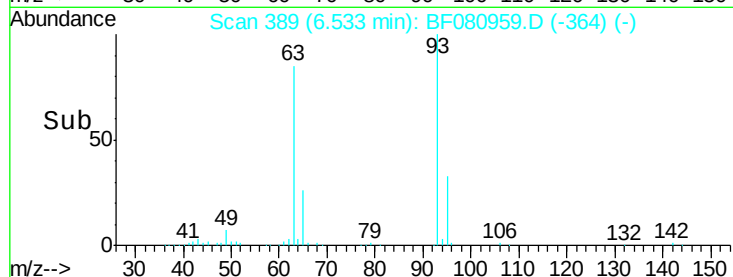
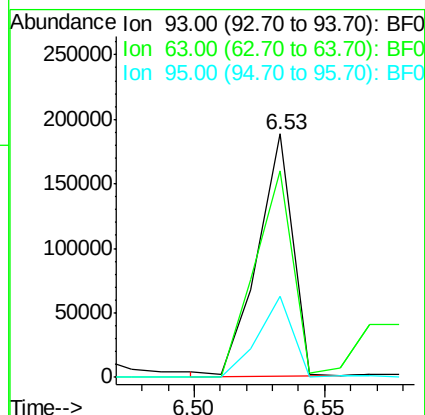
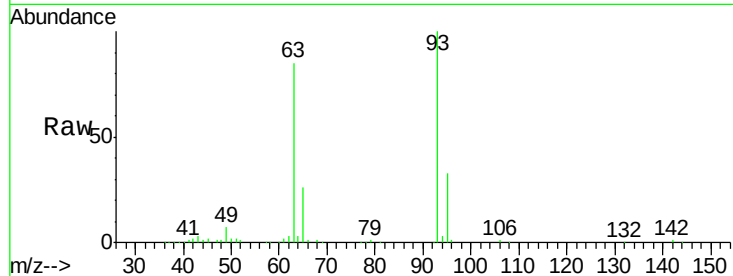




#11
bis(2-Chloroethyl)ether
Concen: 29.50 ng
RT: 6.53 min Scan# 389
Delta R.T. -0.01 min
Lab File: BF080959.D
Acq: 10 Aug 2015 19:09

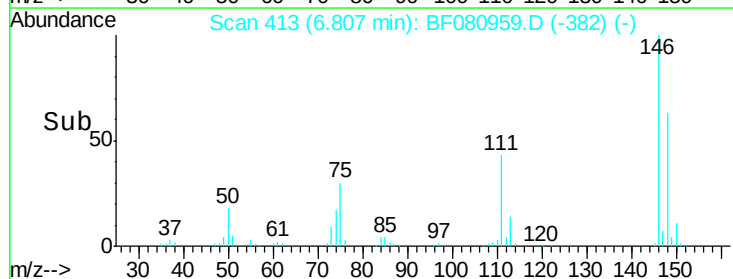
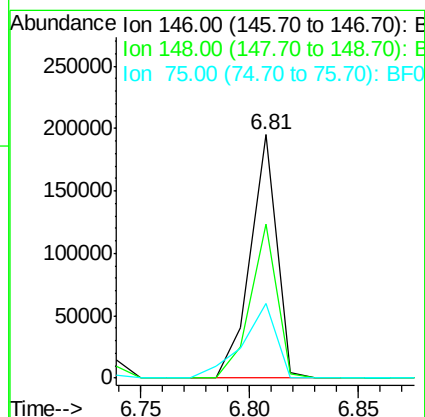
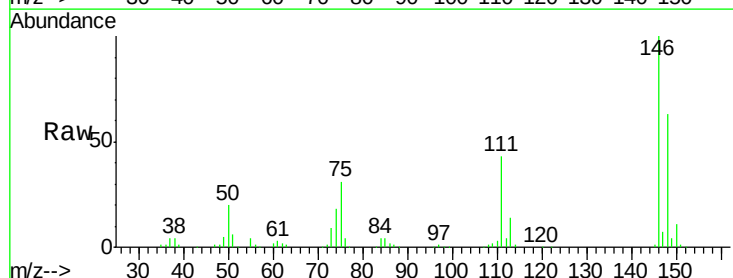
Instrument :
BNA_F
ClientSampleId :
SOIL-2MS

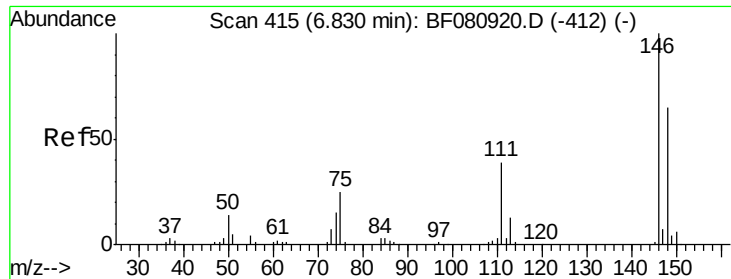
Tot Ion: 93 Resp: 177229
Ion Ratio Lower Upper
93 100
63 84.7 76.7 116.7
95 33.2 12.3 52.3



#12
1,3-Dichlorobenzene
Concen: 27.08 ng
RT: 6.81 min Scan# 413
Delta R.T. 0.06 min
Lab File: BF080959.D
Acq: 10 Aug 2015 19:09

Tgt Ion: 146 Resp: 164560
Ion Ratio Lower Upper
146 100
148 63.3 51.4 77.0
75 30.6 22.2 33.4

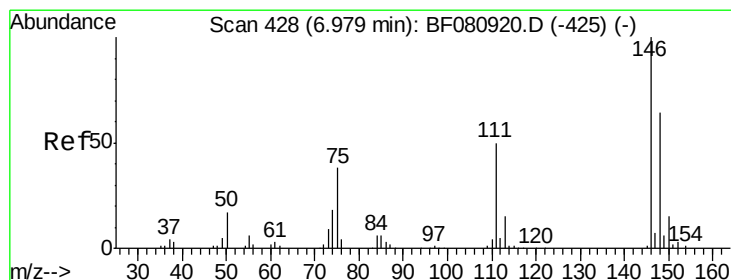
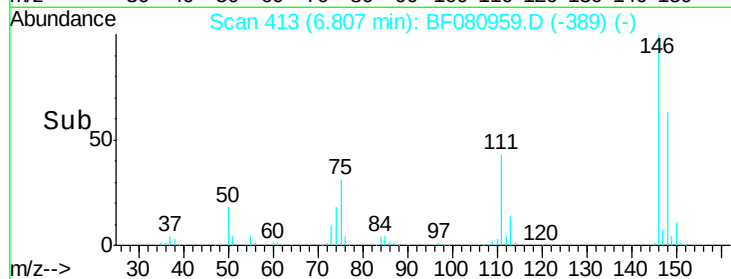
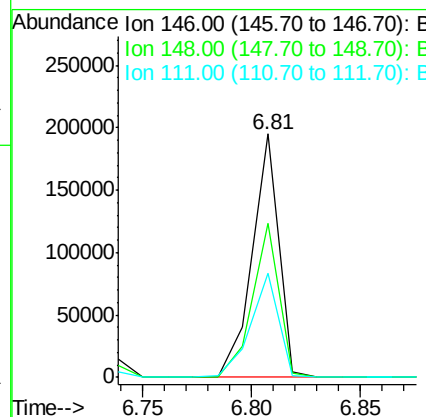
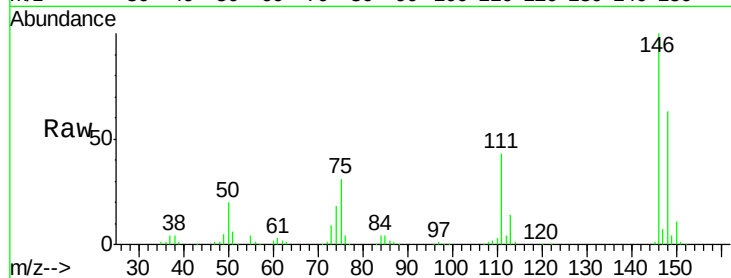




#13
 1,4-Dichlorobenzene
 Concen: 26.06 ng
 RT: 6.81 min Scan# 413
 Delta R.T. -0.02 min
 Lab File: BF080959.D
 Acq: 10 Aug 2015 19:09

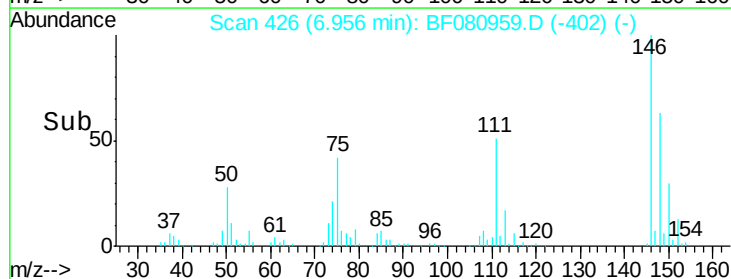
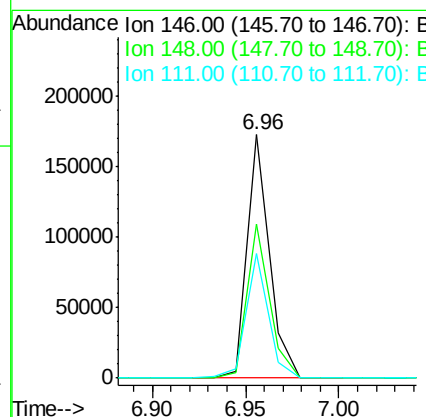
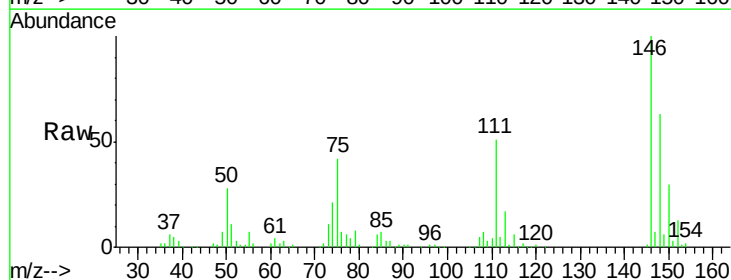
Instrument :
 BNA_F
 ClientSampleId :
 SOIL-2MS

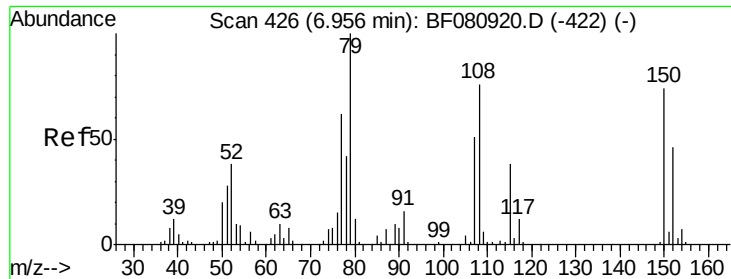
Tot Ion:146 Resp: 164560
 Ion Ratio Lower Upper
 146 100
 148 63.3 52.2 78.4
 111 42.9 31.5 47.3



#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

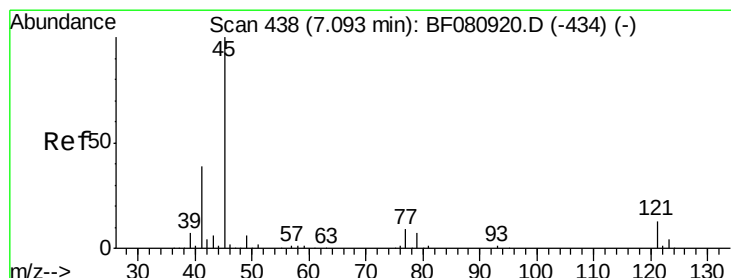
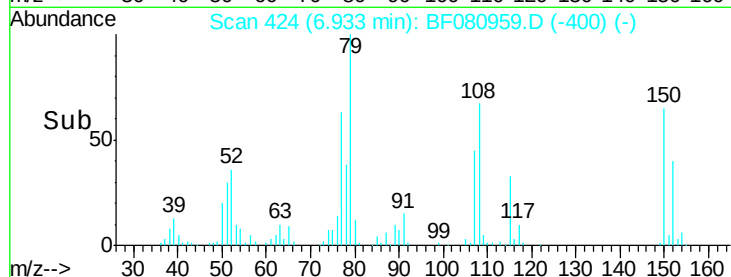
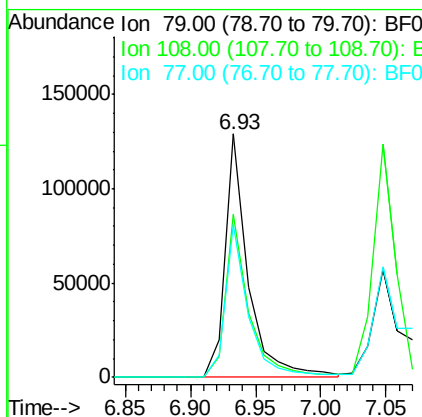
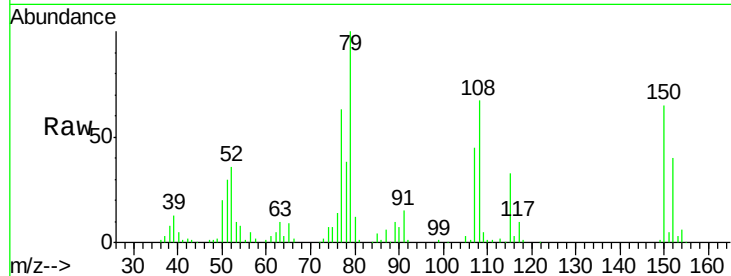




#15
Benzyl Alcohol
Concen: 28.71 ng
RT: 6.93 min Scan# 424
Delta R.T. -0.02 min
Lab File: BF080959.D
Acq: 10 Aug 2015 19:09

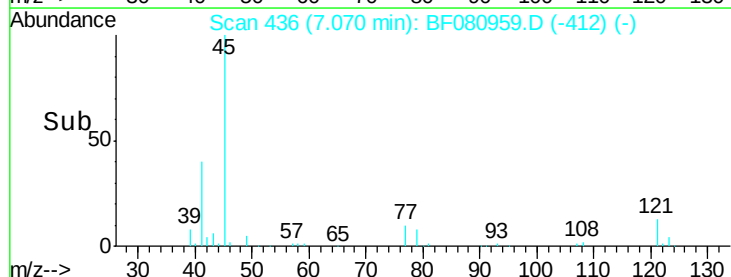
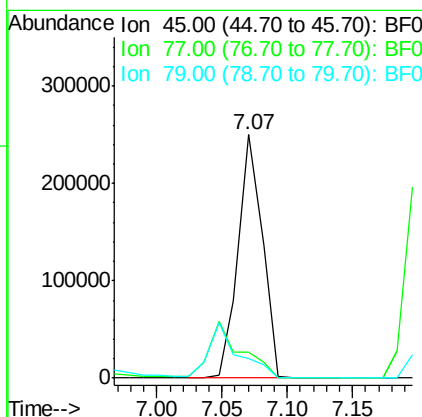
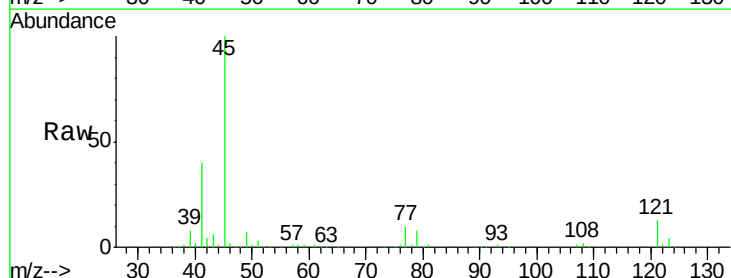
Instrument :
BNA_F
ClientSampleId :
SOIL-2MS

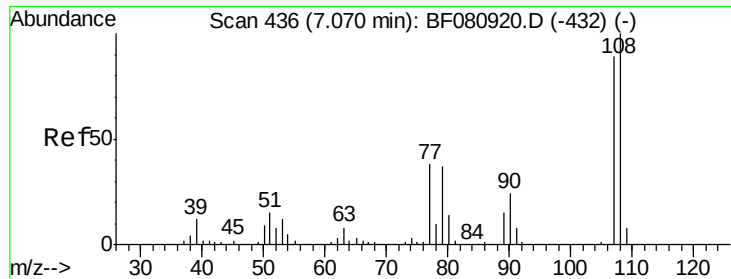
Tot Ion: 79 Resp: 159350
Ion Ratio Lower Upper
79 100
108 66.8 60.9 91.3
77 62.6 49.4 74.0



#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

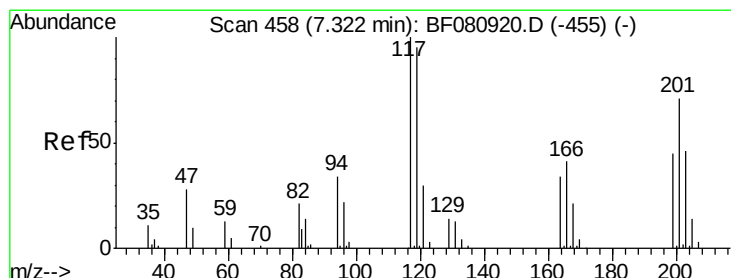
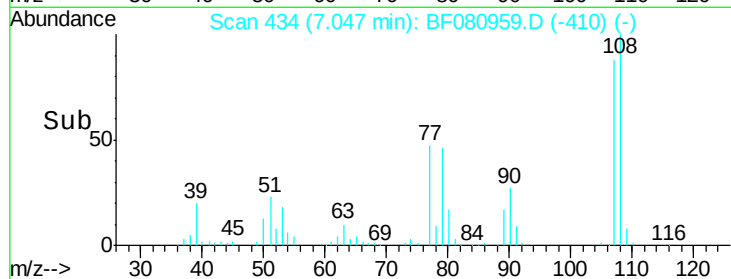
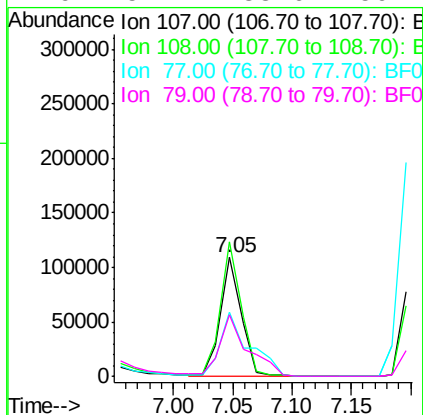
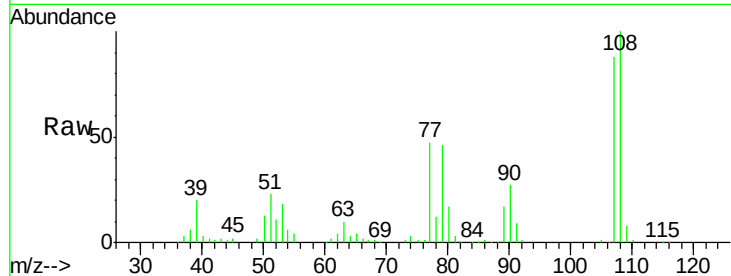




#17
2-Methylphenol
Concen: 27.14 ng
RT: 7.05 min Scan# 434
Delta R.T. -0.02 min
Lab File: BF080959.D
Acq: 10 Aug 2015 19:09

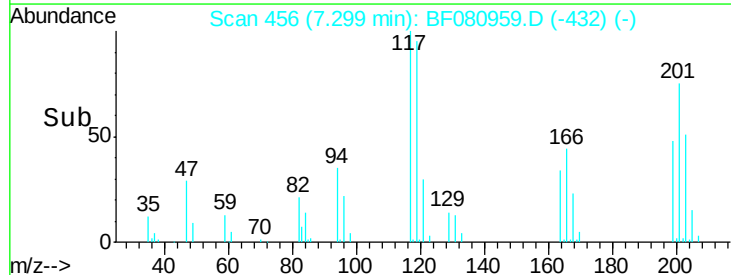
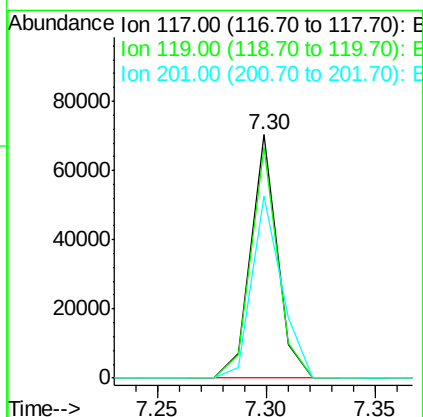
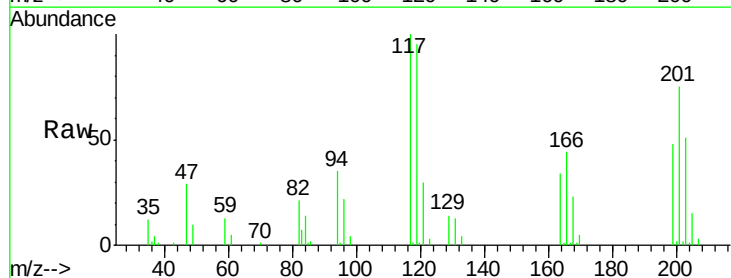
Instrument :
BNA_F
ClientSampleId :
SOIL-2MS

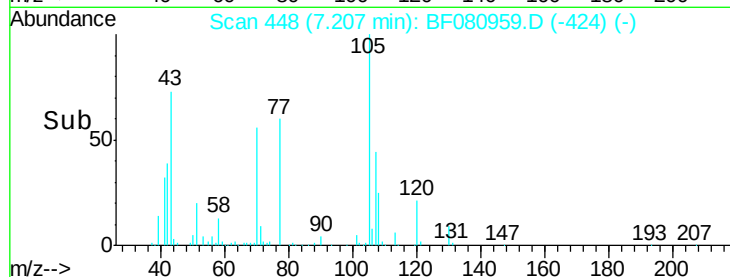
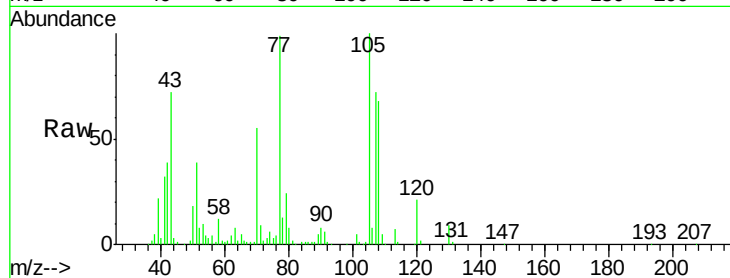
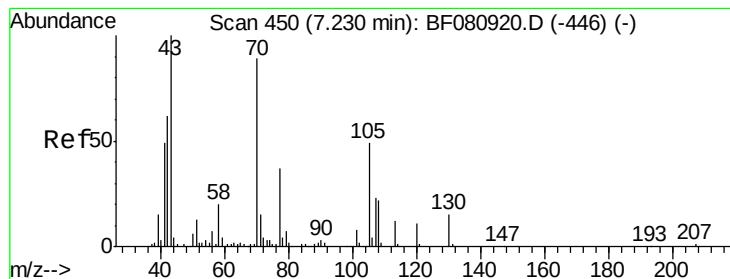
Tot Ion	Ratio	Lower	Upper
107	100		
108	113.2	90.3	135.5
77	53.5	34.6	51.8#
79	52.2	33.6	50.4#



#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	Ratio	Lower	Upper
117	100		
119	94.6	76.3	114.5
201	75.0	57.0	85.6





#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

Tot Ion: 70 Resp: 126692

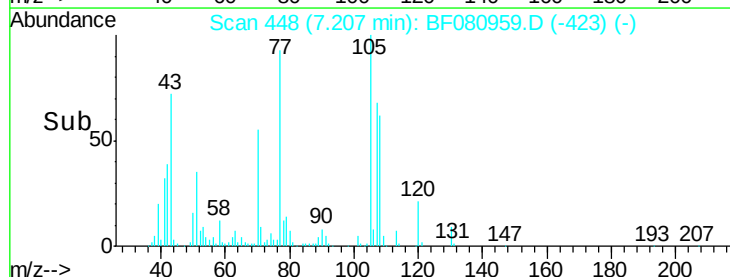
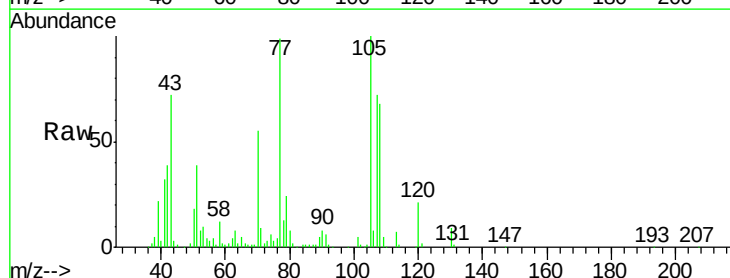
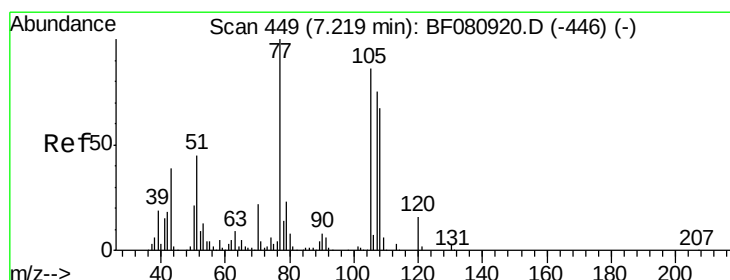
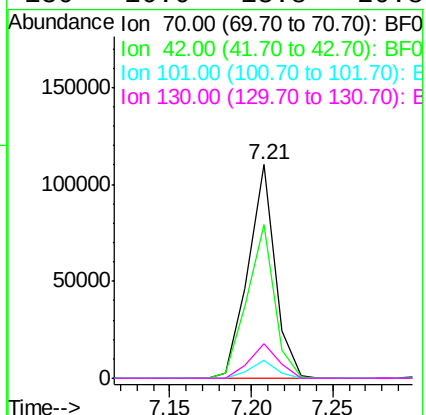
Ion Ratio Lower Upper

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

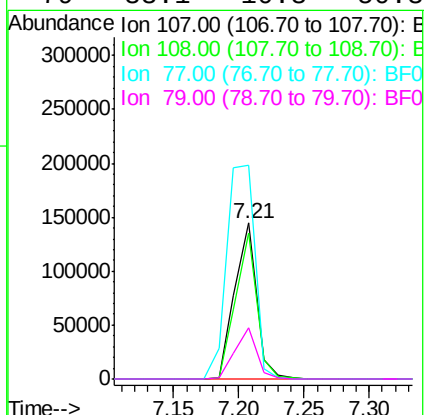
Ion Ratio Lower Upper

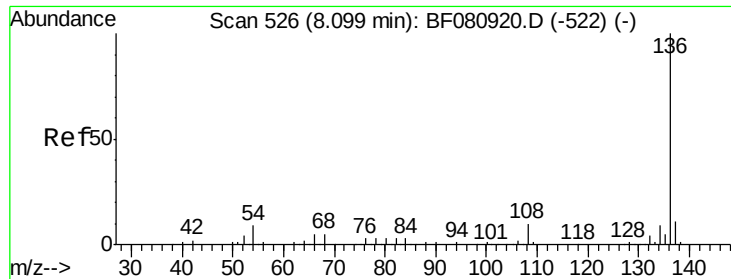
107 100

108 93.8 69.2 109.2

77 137.1 113.0 153.0

79 33.1 10.3 50.3

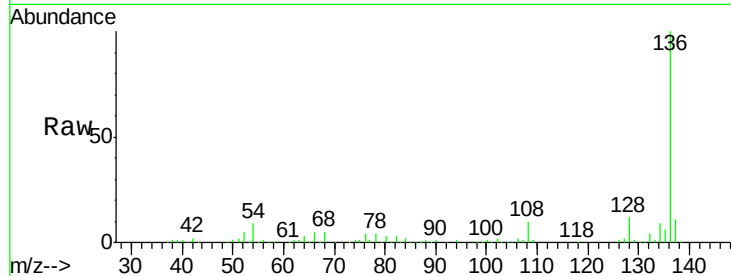




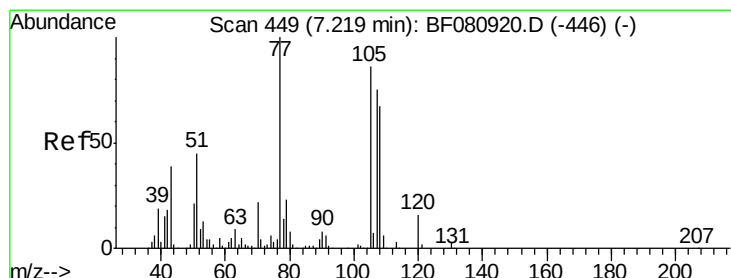
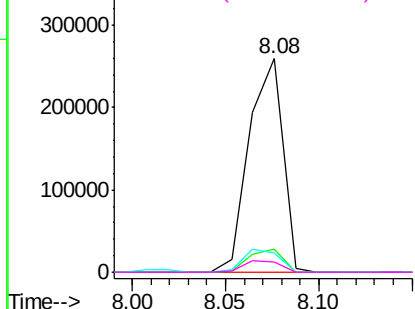
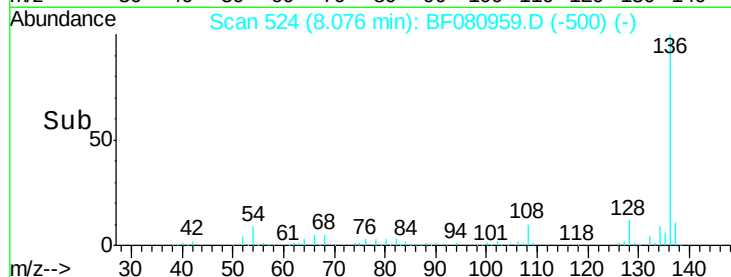
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.08 min Scan# 524
Delta R.T. -0.02 min
Lab File: BF080959.D
Acq: 10 Aug 2015 19:09

Instrument :
BNA_F
ClientSampleId :
SOIL-2MS

Tot 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

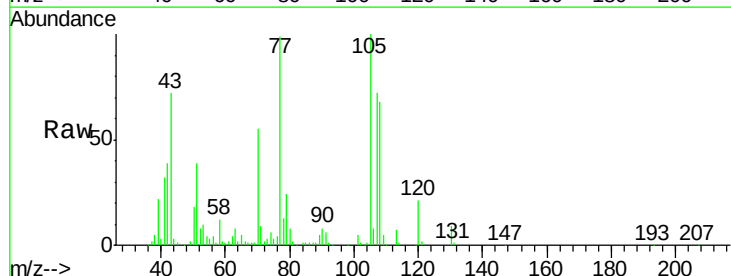


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

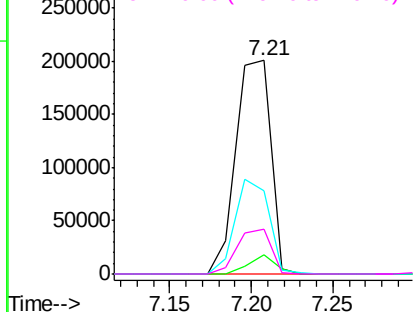
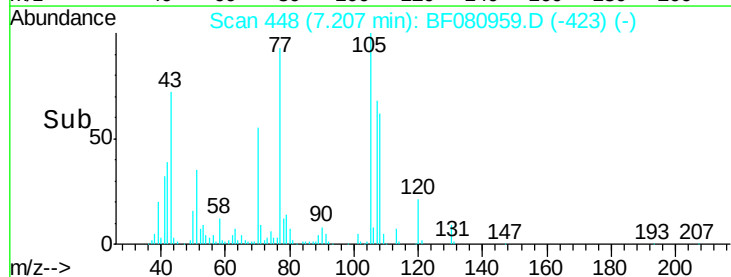


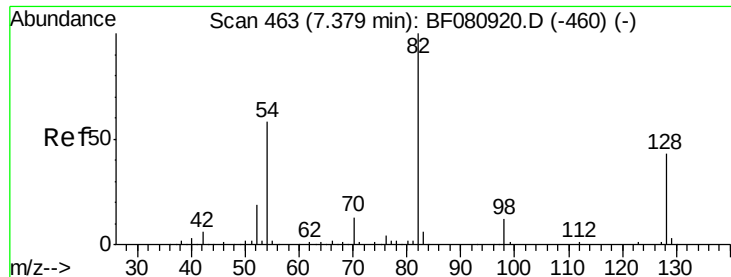
#22
Acetophenone
Concen: 37.36 ng
RT: 7.21 min Scan# 448
Delta R.T. -0.01 min
Lab File: BF080959.D
Acq: 10 Aug 2015 19:09

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

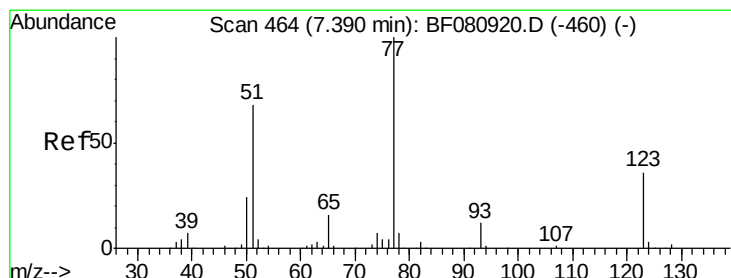
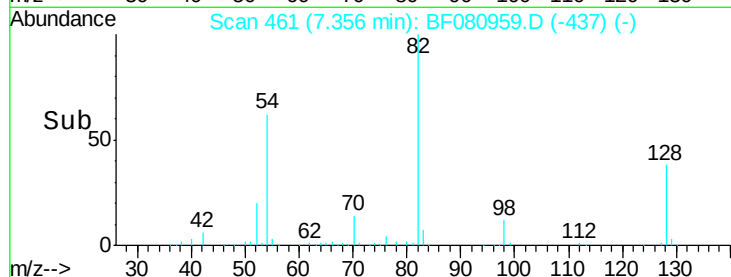
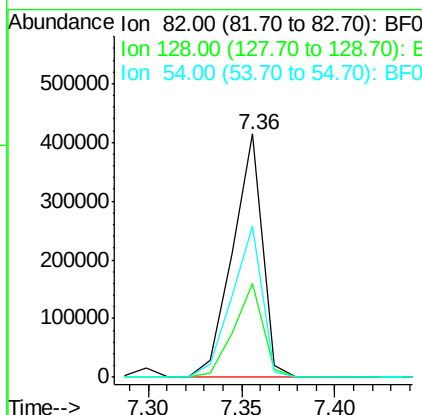
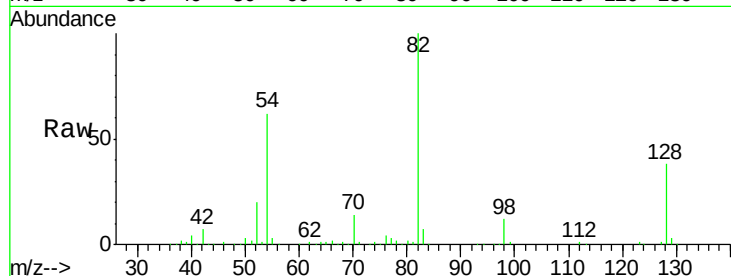




#23
 Nitrobenzene-d5
 Concen: 67.38 ng
 RT: 7.36 min Scan# 461
 Delta R.T. -0.02 min
 Lab File: BF080959.D
 Acq: 10 Aug 2015 19:09

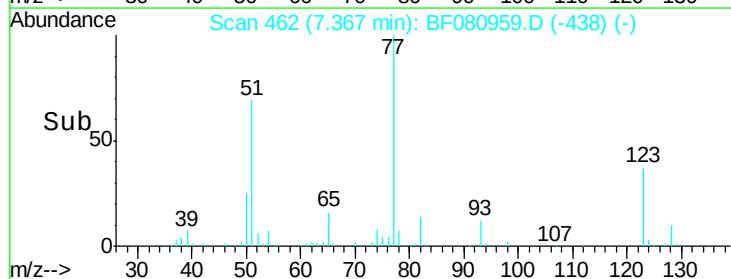
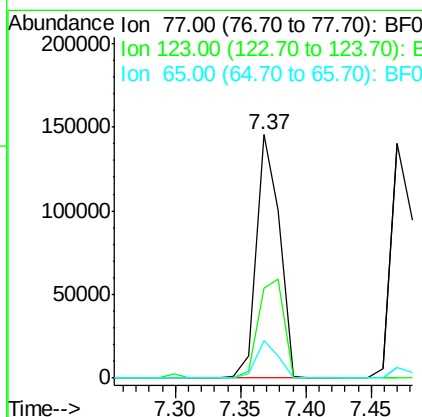
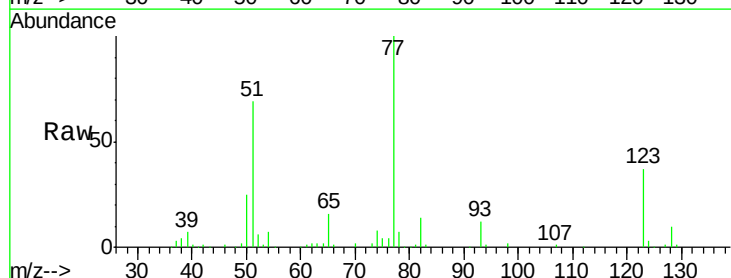
Instrument :
 BNA_F
 ClientSampleId :
 SOIL-2MS

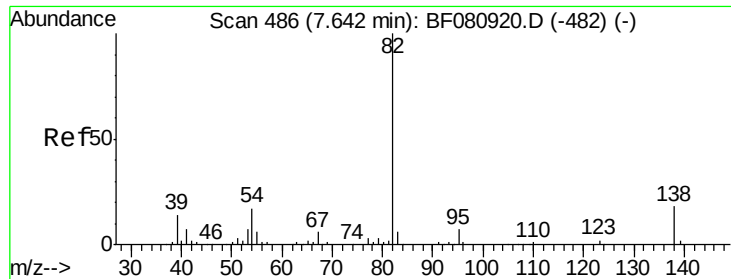
Tot Ion: 82 Resp: 462546
 Ion Ratio Lower Upper
 82 100
 128 38.4 34.1 51.1
 54 62.3 46.5 69.7



#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

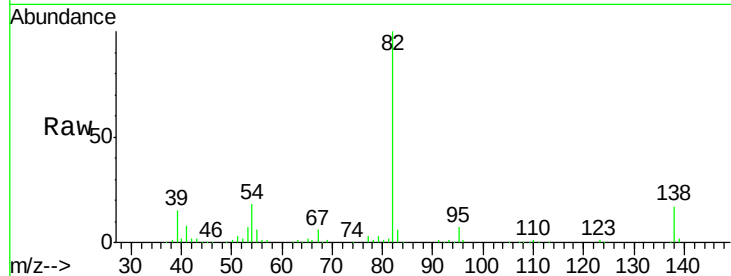
Tot Ion: 82 Resp: 354298

Ion Ratio Lower Upper

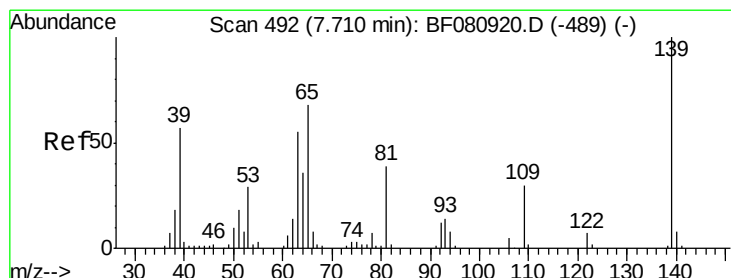
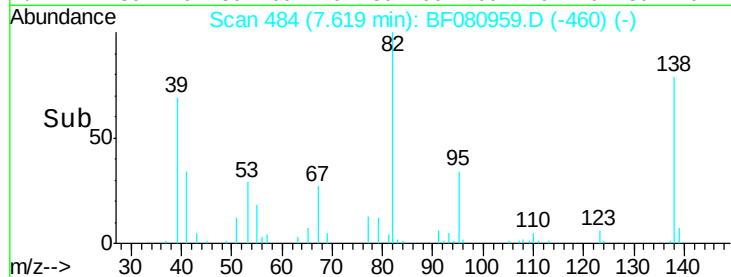
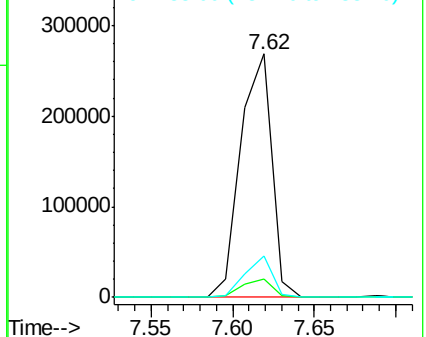
82 100

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

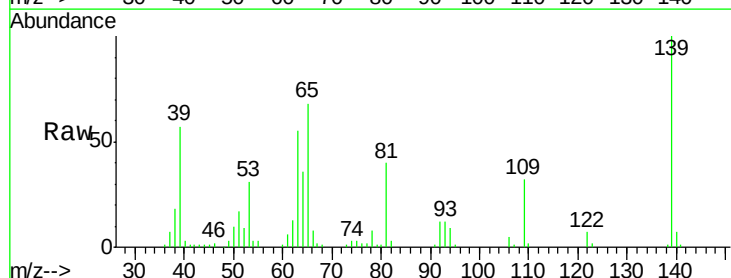
Tgt Ion: 139 Resp: 81123

Ion Ratio Lower Upper

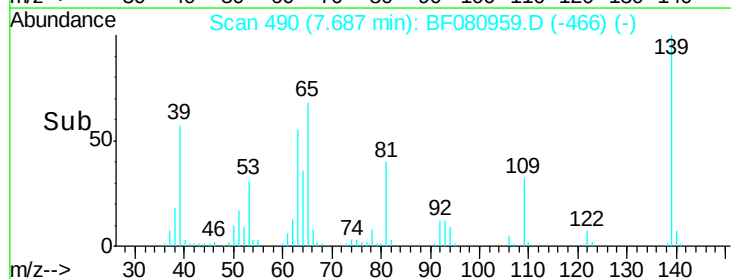
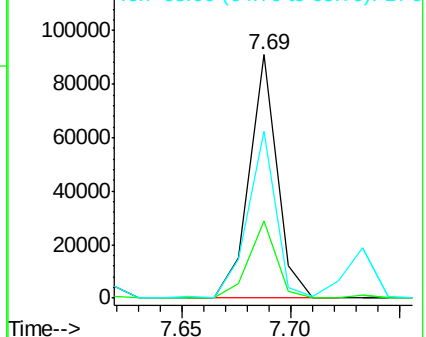
139 100

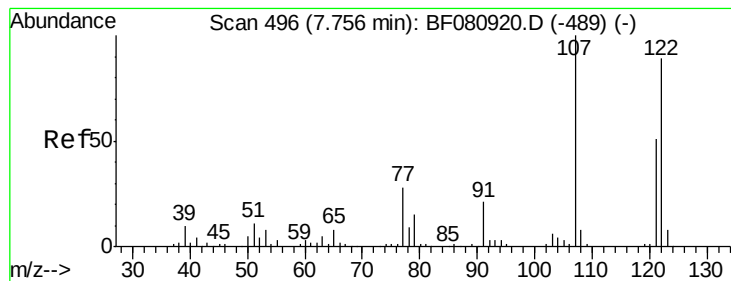
109 31.5 24.1 36.1

65 68.4 54.0 81.0



Abundance Ion 139.00 (138.70 to 139.70): BF0
Ion 109.00 (108.70 to 109.70): BF0
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

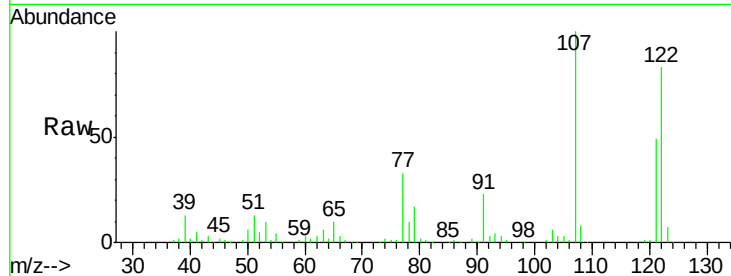
Tot Ion:122 Resp: 161509

Ion Ratio Lower Upper

122 100

107 120.1 90.2 135.4

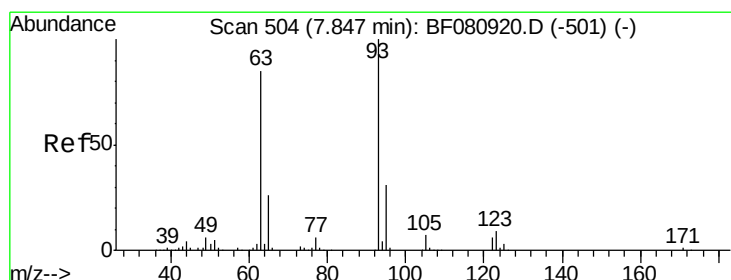
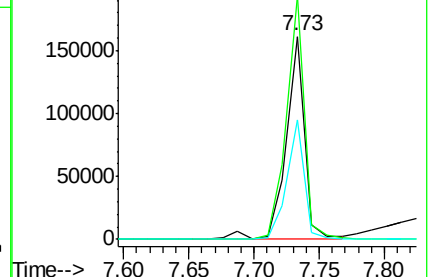
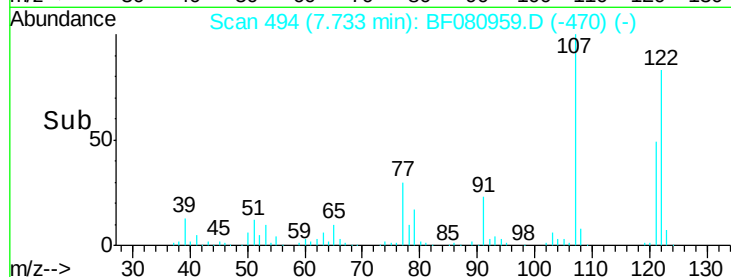
121 59.2 46.0 69.0



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

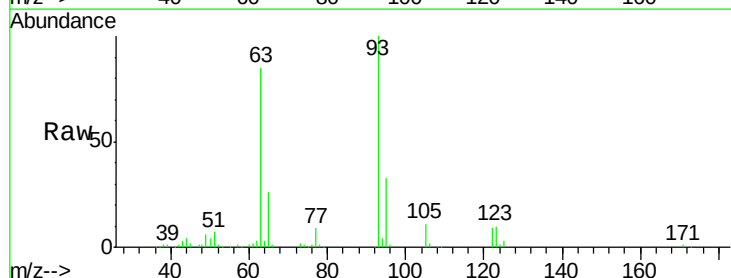
Tgt Ion: 93 Resp: 196841

Ion Ratio Lower Upper

93 100

95 33.0 25.0 37.4

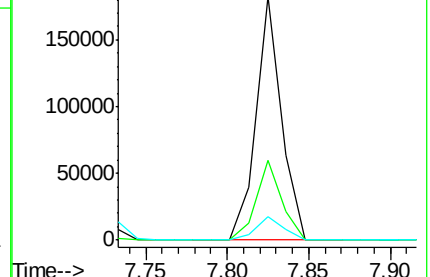
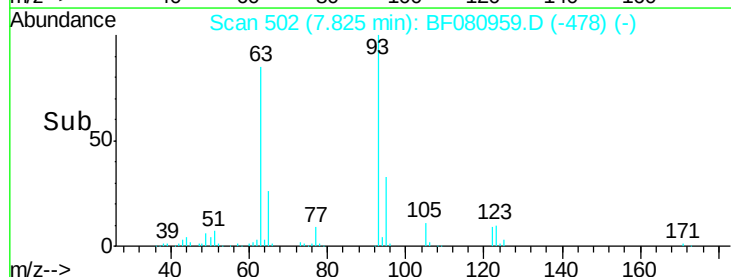
123 9.9 7.4 11.0

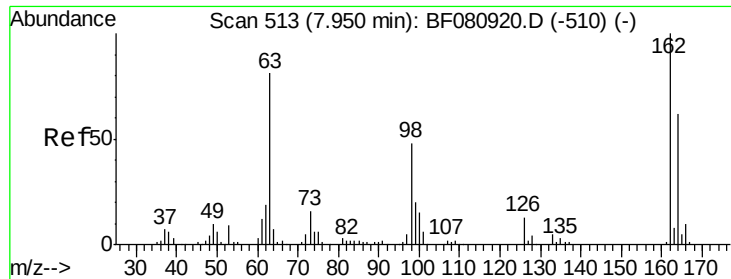


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 123.00 (122.70 to 123.70): E

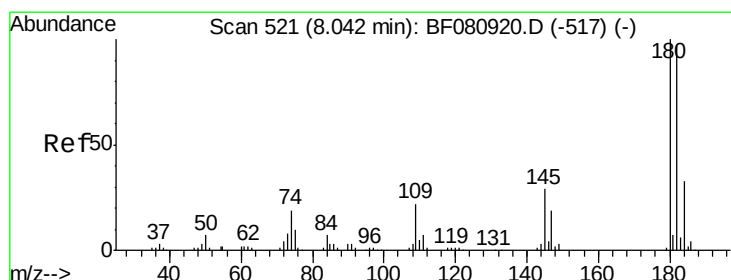
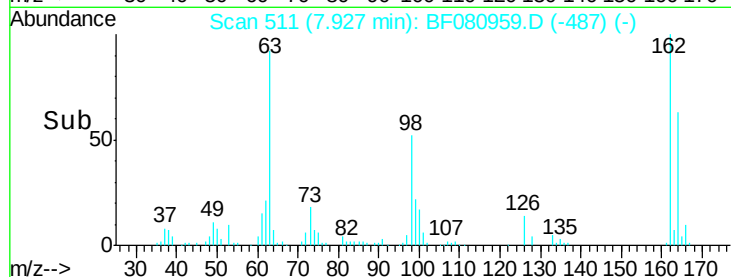
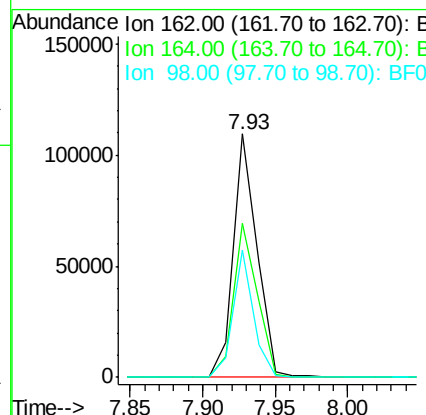
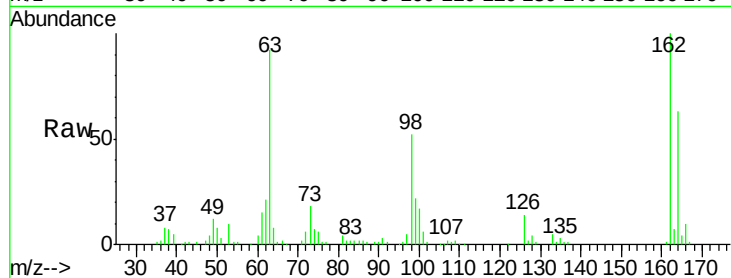




#29
2,4-Dichlorophenol
Concen: 27.08 ng
RT: 7.93 min Scan# 511
Delta R.T. -0.02 min
Lab File: BF080959.D
Acq: 10 Aug 2015 19:09

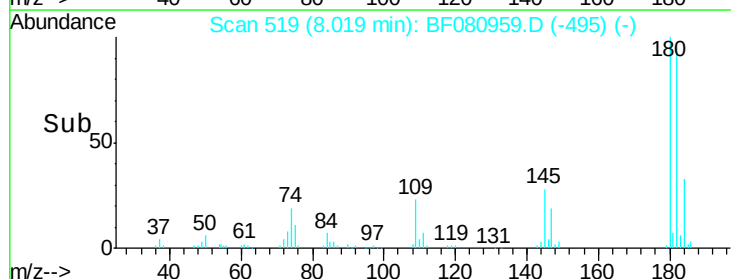
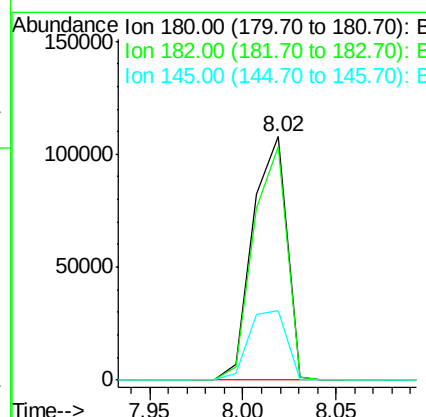
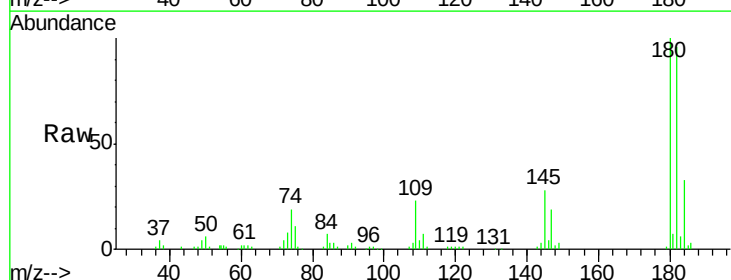
Instrument :
BNA_F
ClientSampleId :
SOIL-2MS

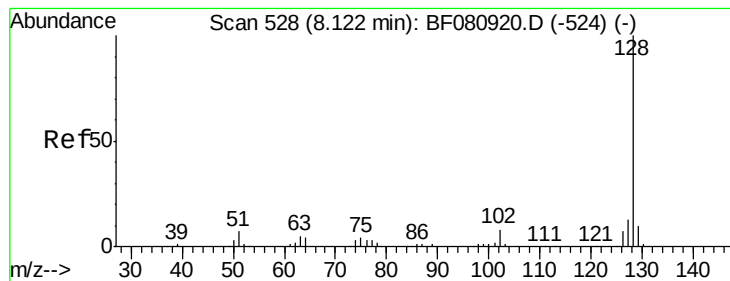
Tot Ion	Ratio	Lower	Upper
162	100		
164	63.5	42.3	82.3
98	52.1	27.7	67.7



#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

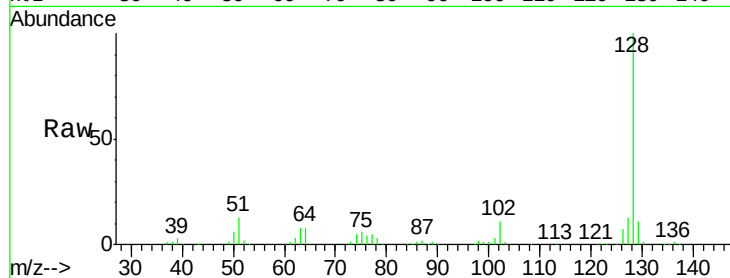
Tot Ion:128 Resp: 456212

Ion Ratio Lower Upper

128 100

129 11.3 8.4 12.6

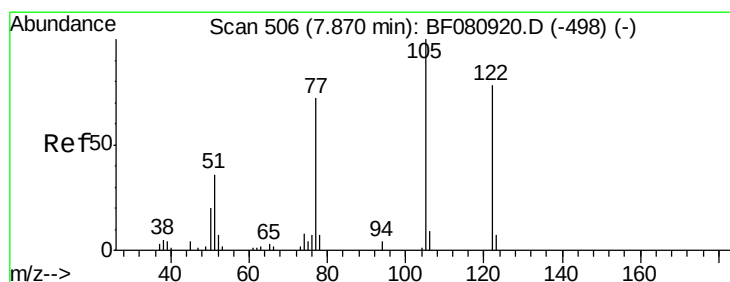
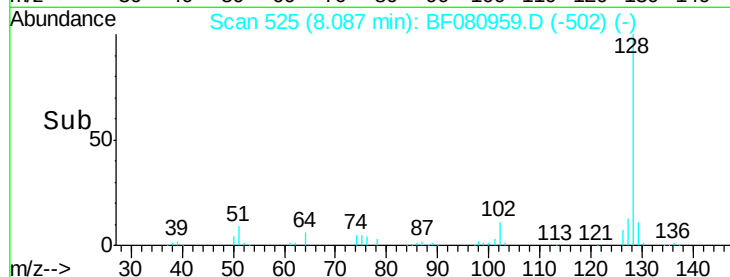
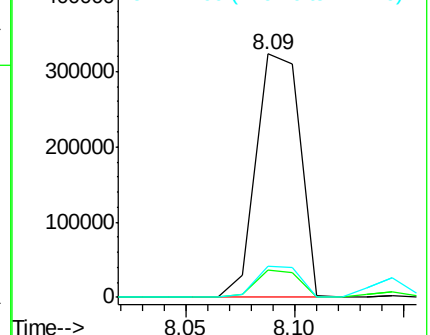
127 12.9 10.5 15.7



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

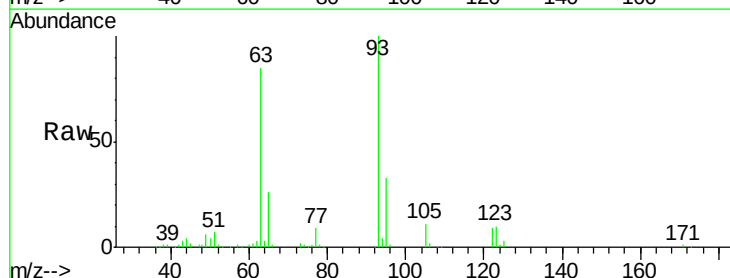
Tgt Ion:122 Resp: 43508

Ion Ratio Lower Upper

122 100

105 122.8 103.6 143.6

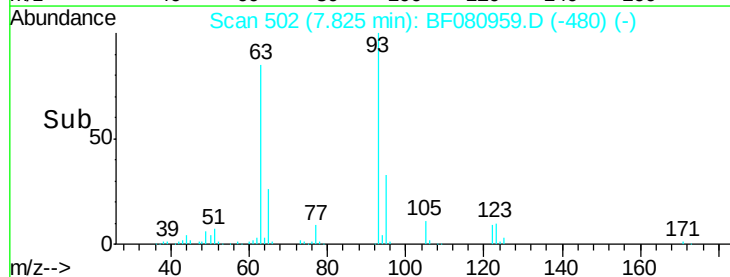
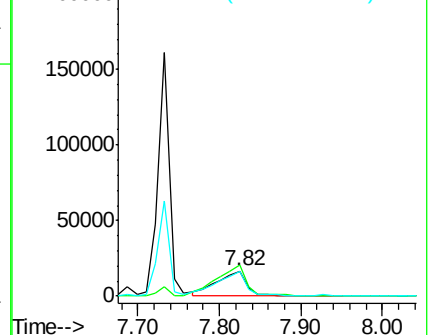
77 100.1 70.4 110.4

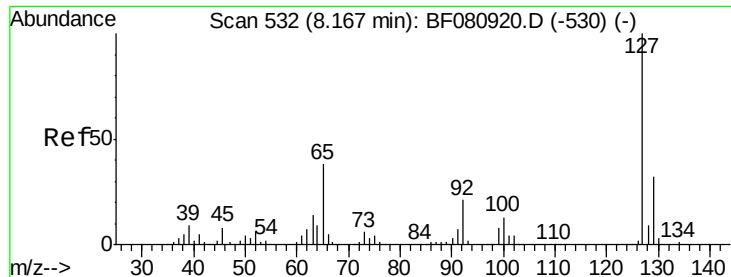


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

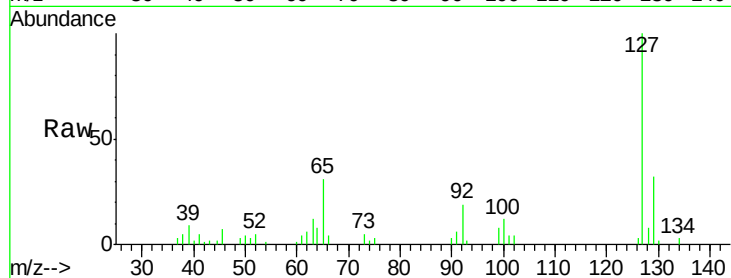




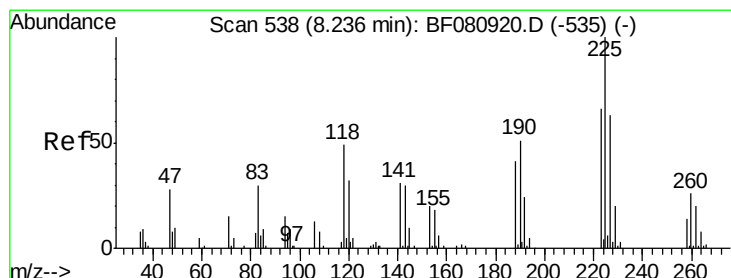
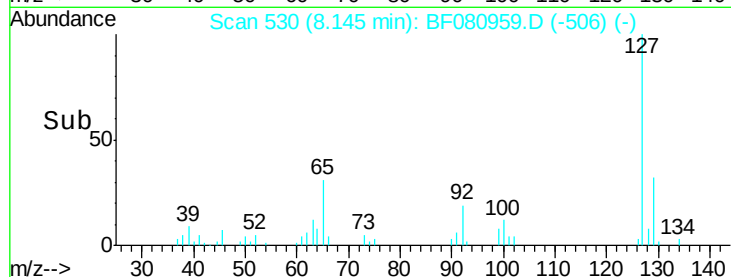
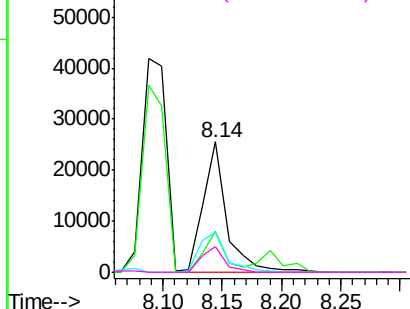
#33
4-Chloroaniline
Concen: 4.83 ng
RT: 8.14 min Scan# 530
Delta R.T. -0.02 min
Lab File: BF080959.D
Acq: 10 Aug 2015 19:09

Instrument :
BNA_F
ClientSampleId :
SOIL-2MS

Tot 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	

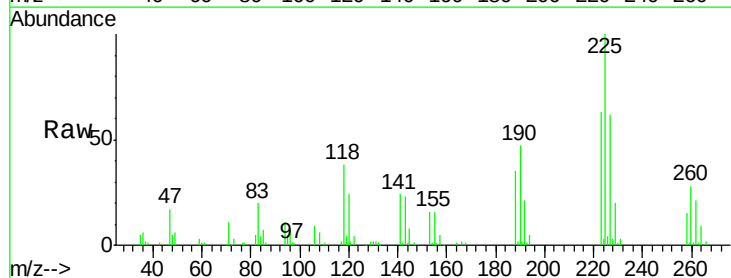


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0

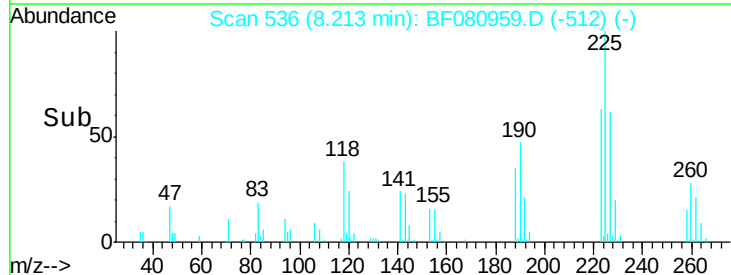
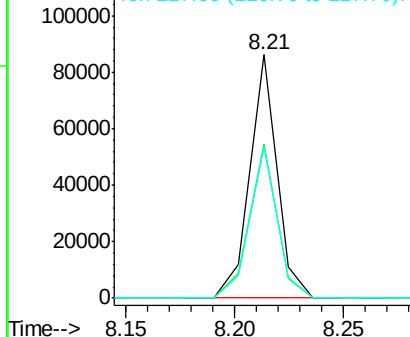


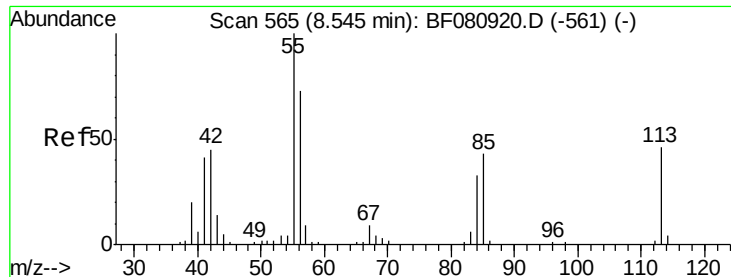
#34
Hexachlorobutadiene
Concen: 25.19 ng
RT: 8.21 min Scan# 536
Delta R.T. -0.02 min
Lab File: BF080959.D
Acq: 10 Aug 2015 19:09

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

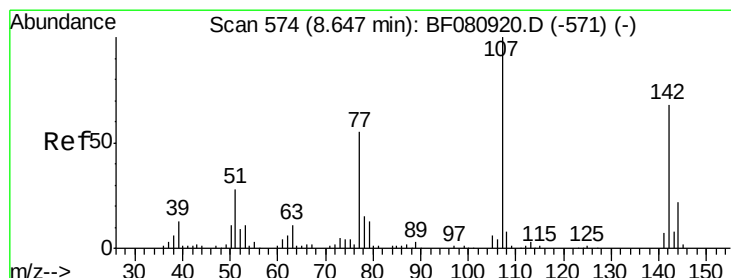
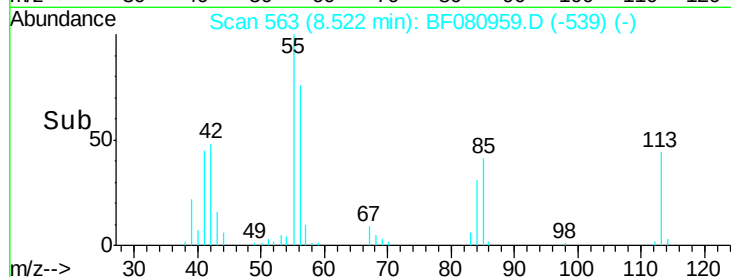
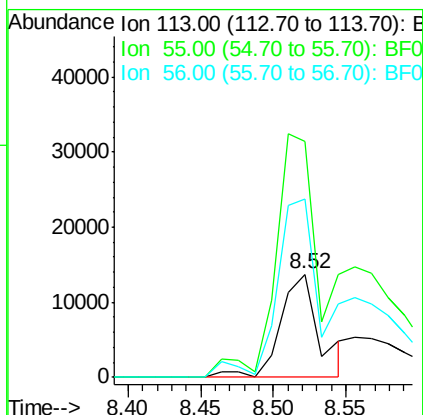
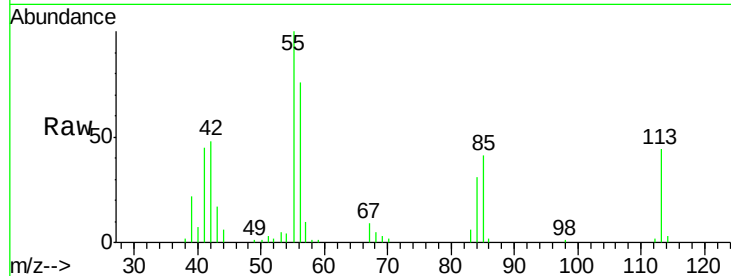




#35
 Caprolactam
 Concen: 15.47 ng
 RT: 8.52 min Scan# 563
 Delta R.T. -0.02 min
 Lab File: BF080959.D
 Acq: 10 Aug 2015 19:09

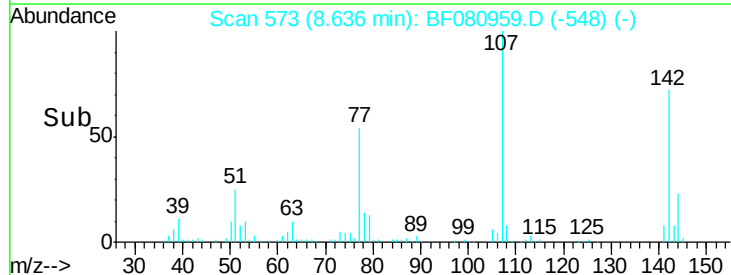
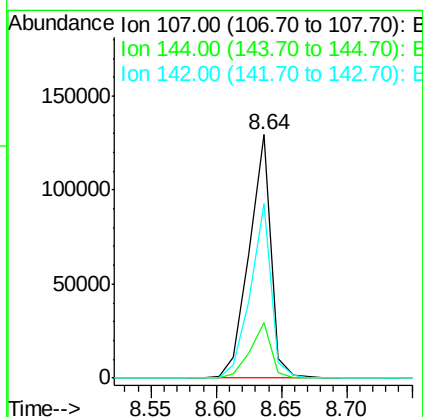
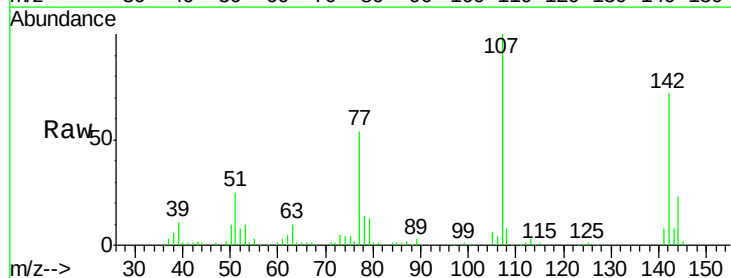
Instrument :
 BNA_F
 ClientSampleId :
 SOIL-2MS

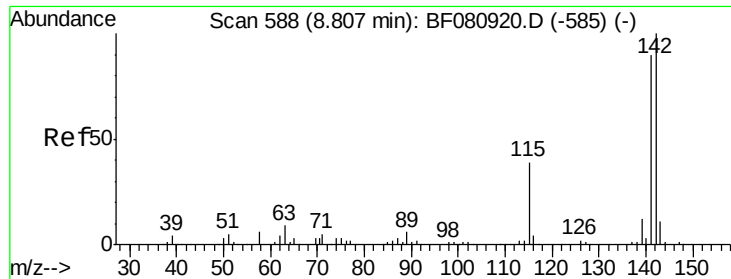
Tot Ion:113 Resp: 25464
 Ion Ratio Lower Upper
 113 100
 55 228.5 196.4 236.4
 56 173.3 137.9 177.9



#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

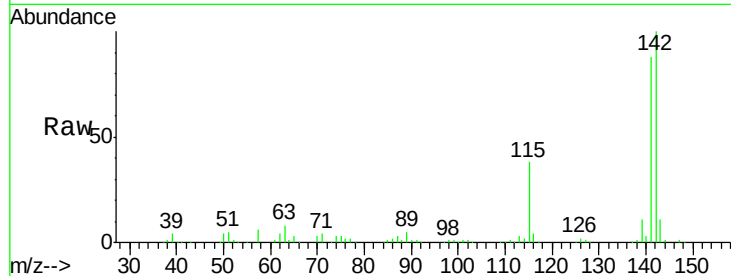




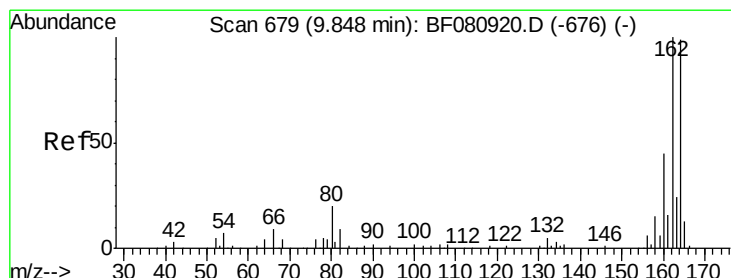
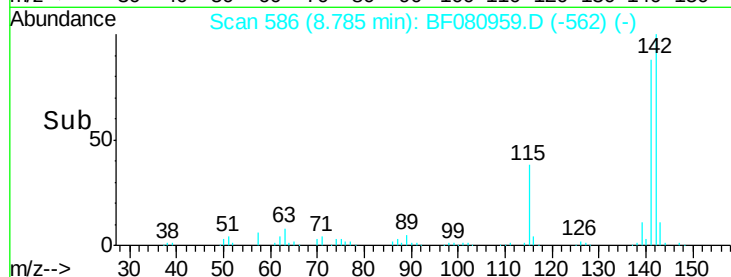
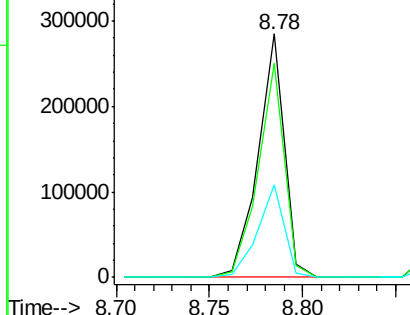
#37
 2-Methylnaphthalene
 Concen: 24.20 ng
 RT: 8.78 min Scan# 586
 Delta R.T. -0.02 min
 Lab File: BF080959.D
 Acq: 10 Aug 2015 19:09

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-2MS

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

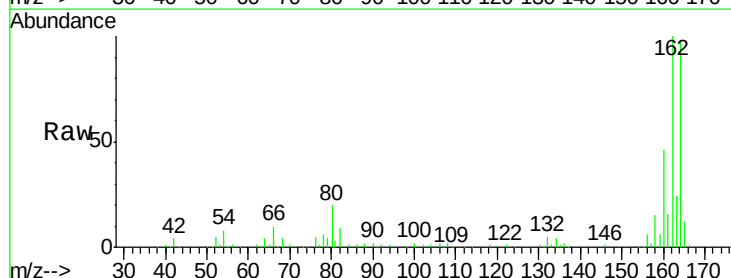


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

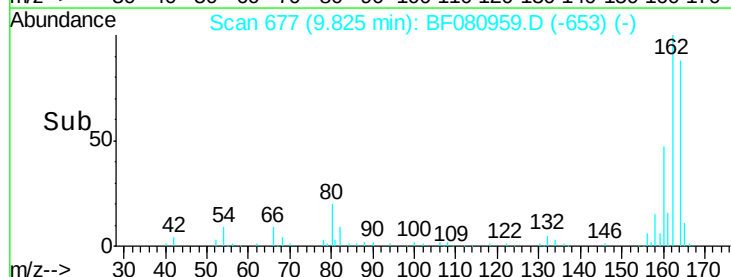
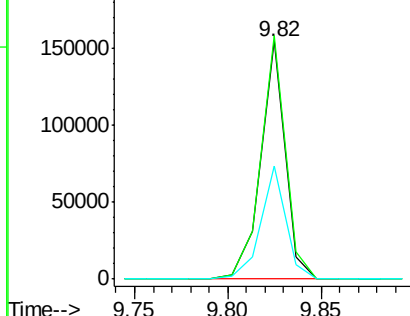


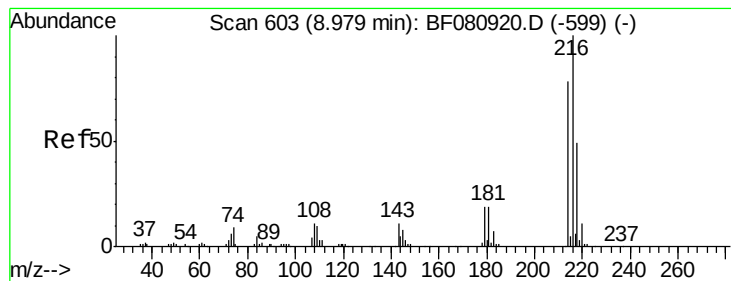
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.82 min Scan# 677
 Delta R.T. -0.02 min
 Lab File: BF080959.D
 Acq: 10 Aug 2015 19:09

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

Tot Ion:216 Resp: 143294

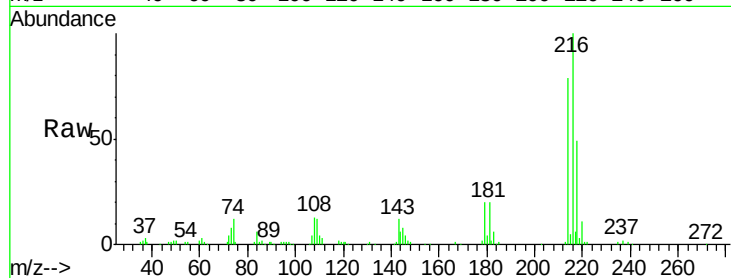
Ion Ratio Lower Upper

216 100

214 79.3 63.0 94.4

179 22.3 17.2 25.8

108 22.7 16.1 24.1

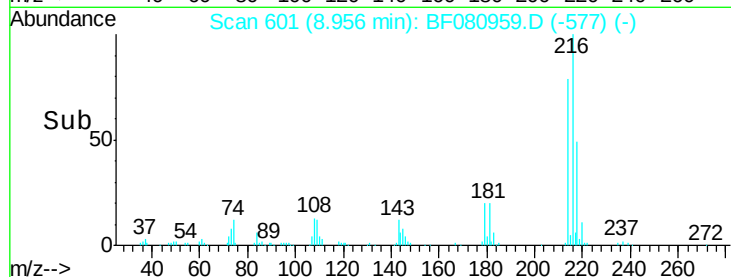


Abundance Ion 216.00 (215.70 to 216.70): E

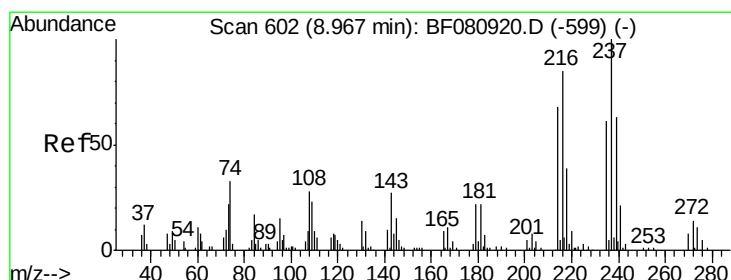
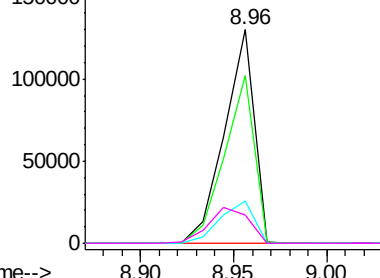
Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



Time-->



#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

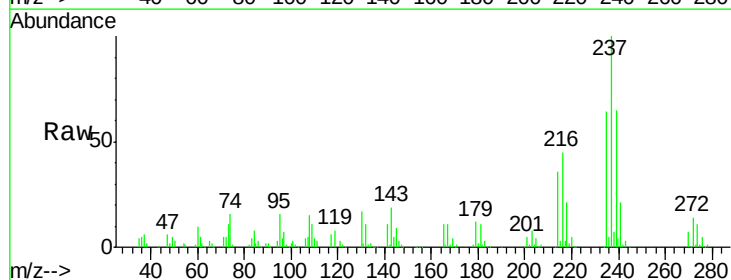
Tgt Ion:237 Resp: 157467

Ion Ratio Lower Upper

237 100

235 64.1 41.3 81.3

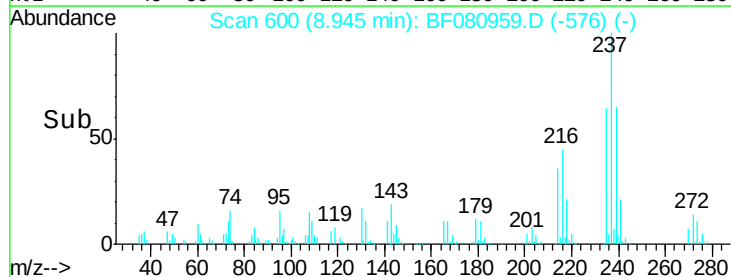
272 14.0 0.0 33.6



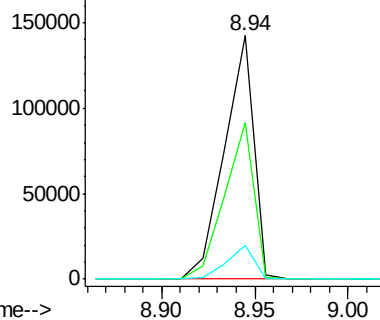
Abundance Ion 236.80 (236.50 to 237.50): E

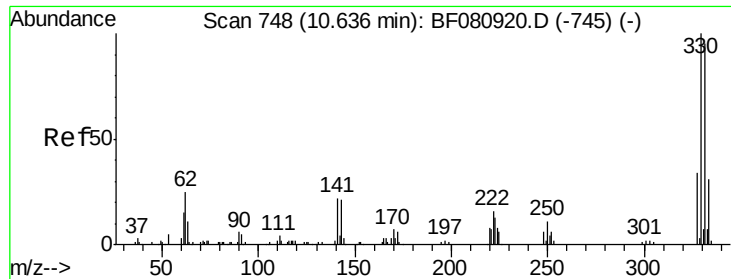
Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E



Time-->

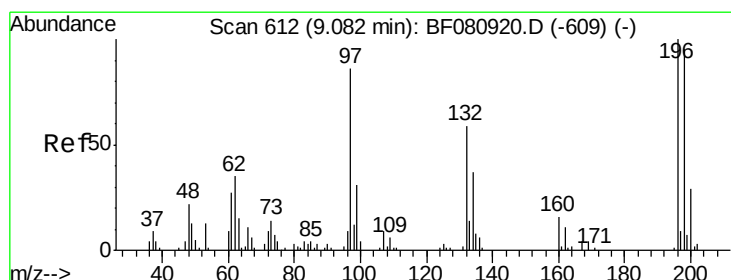
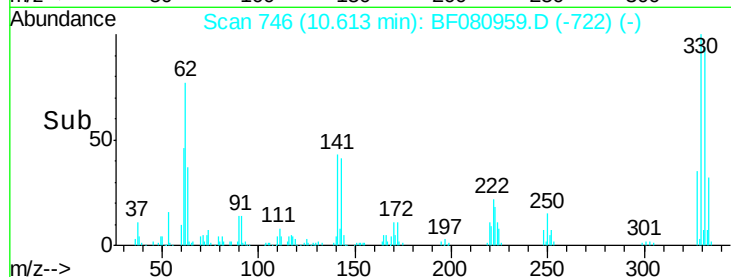
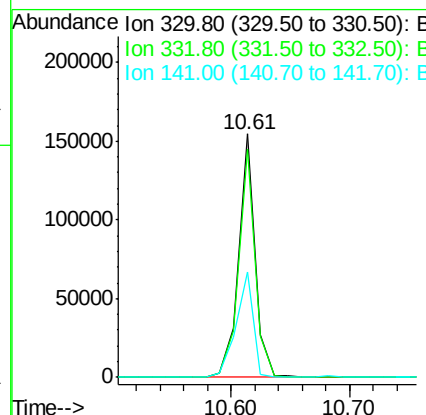
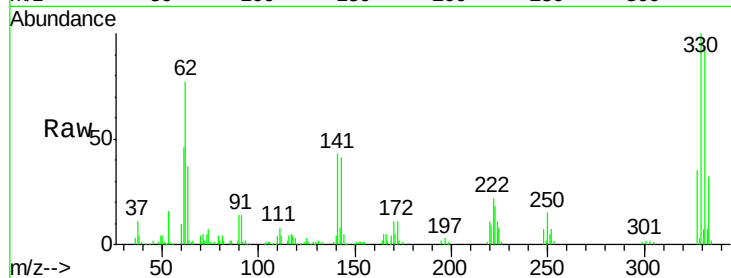




#41
 2,4,6-Tribromophenol
 Concen: 98.13 ng
 RT: 10.61 min Scan# 746
 Delta R.T. -0.02 min
 Lab File: BF080959.D
 Acq: 10 Aug 2015 19:09

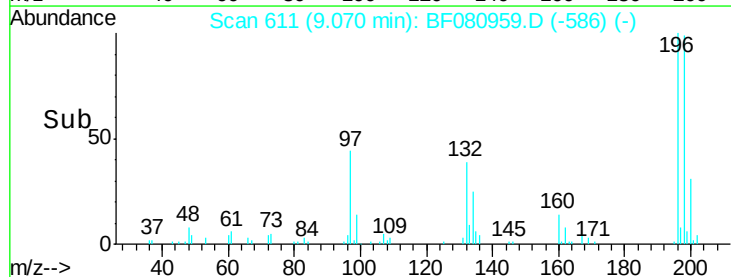
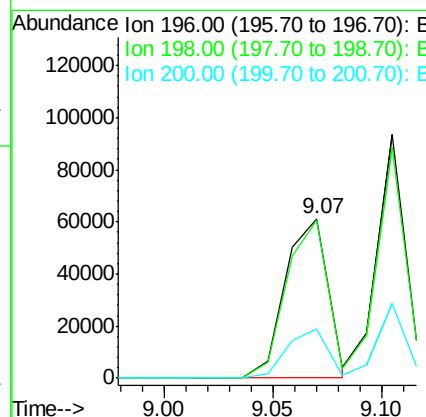
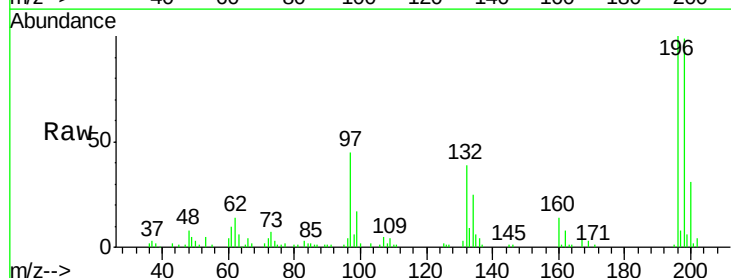
Instrument :
 BNA_F
 ClientSampleId :
 SOIL-2MS

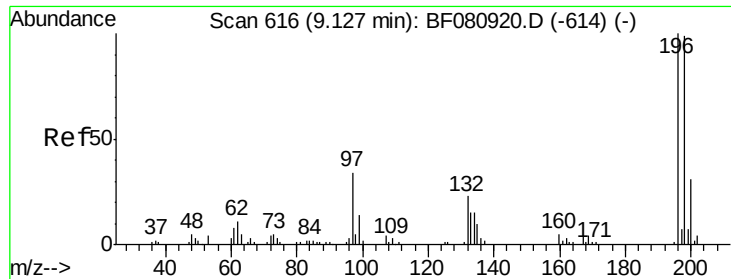
Tot Ion	Ratio	Lower	Upper
330	100		
332	94.0	76.2	114.4
141	44.4	27.8	41.8#



#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	Ratio	Lower	Upper
196	100		
198	98.9	75.9	113.9
200	30.7	23.1	34.7

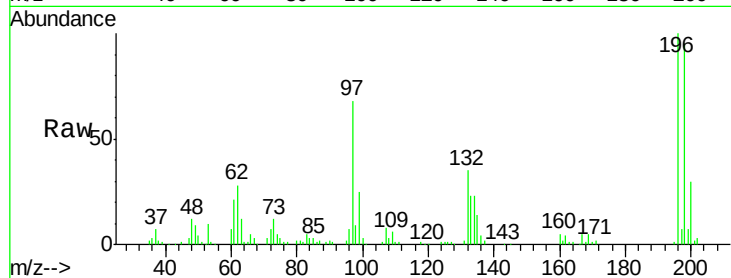




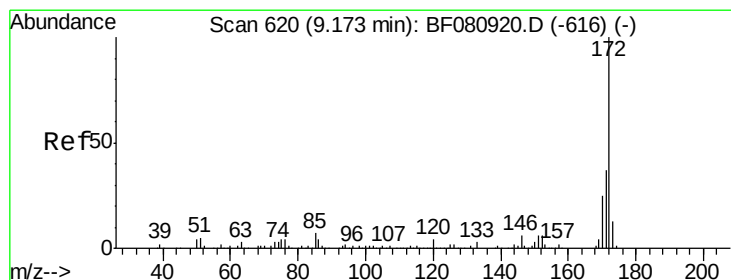
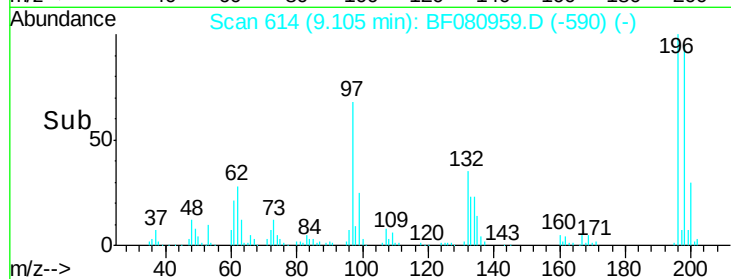
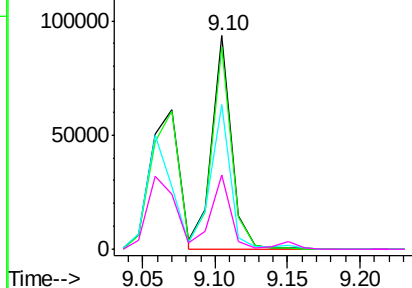
#43
 2,4,5-Trichlorophenol
 Concen: 27.85 ng
 RT: 9.10 min Scan# 614
 Delta R.T. -0.02 min
 Lab File: BF080959.D
 Acq: 10 Aug 2015 19:09

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-2MS

Tot Ion	Ratio	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#

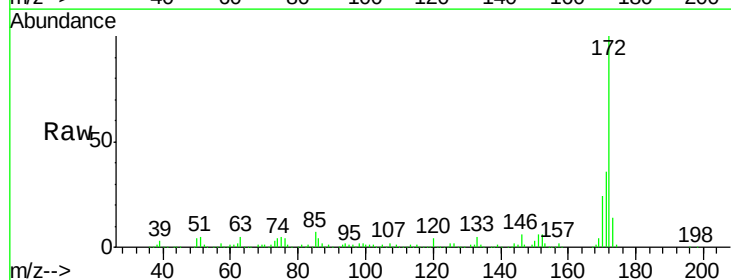


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF0
 Ion 132.00 (131.70 to 132.70): E

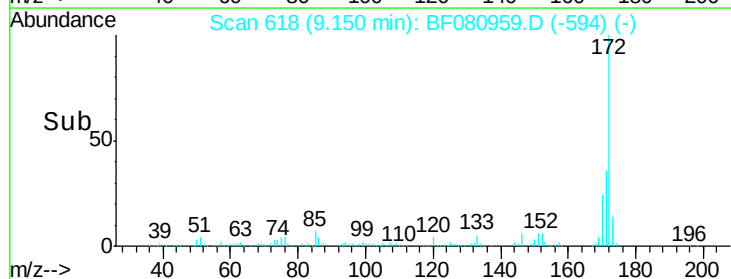
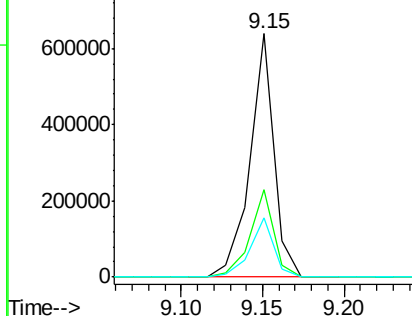


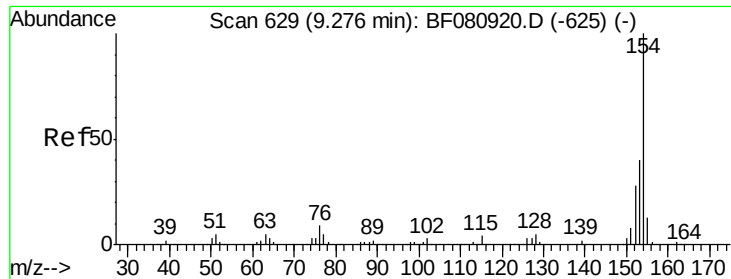
#44
 2-Fluorobiphenyl
 Concen: 65.88 ng
 RT: 9.15 min Scan# 618
 Delta R.T. -0.02 min
 Lab File: BF080959.D
 Acq: 10 Aug 2015 19:09

Tgt Ion	Ratio	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

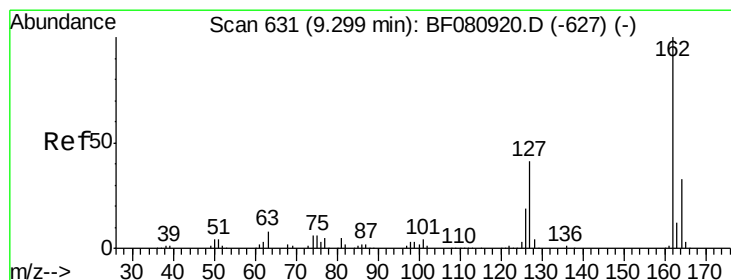
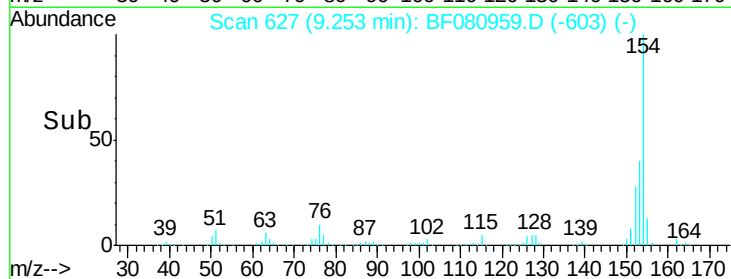
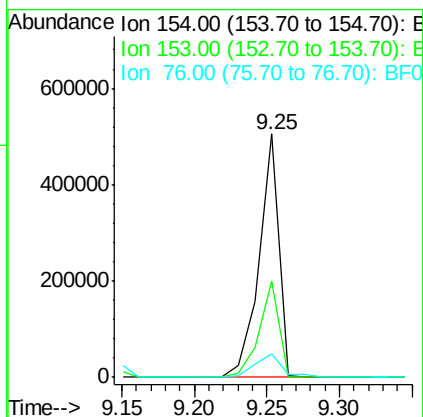
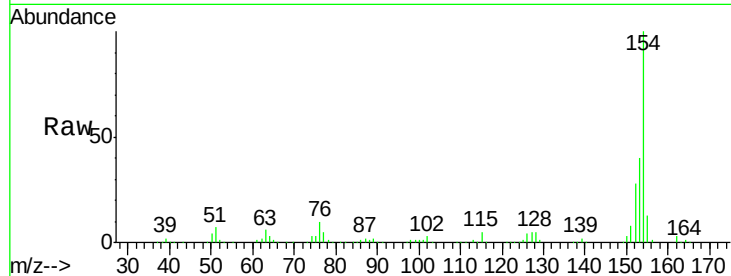




#45
 1,1'-Biphenyl
 Concen: 39.81 ng
 RT: 9.25 min Scan# 627
 Delta R.T. -0.02 min
 Lab File: BF080959.D
 Acq: 10 Aug 2015 19:09

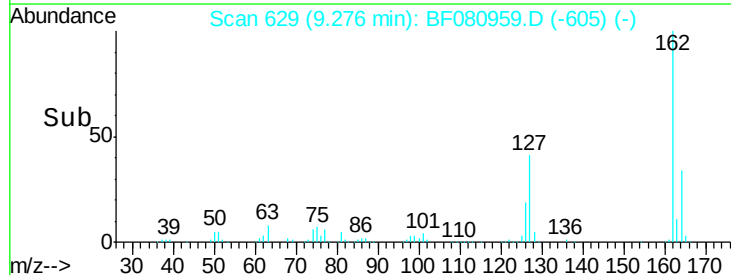
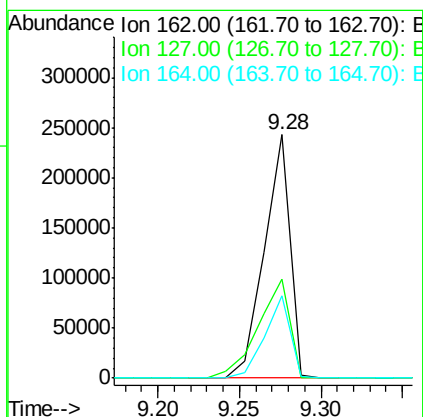
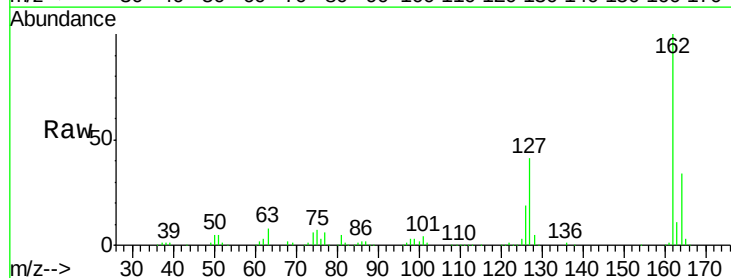
Instrument :
 BNA_F
 ClientSampleId :
 SOIL-2MS

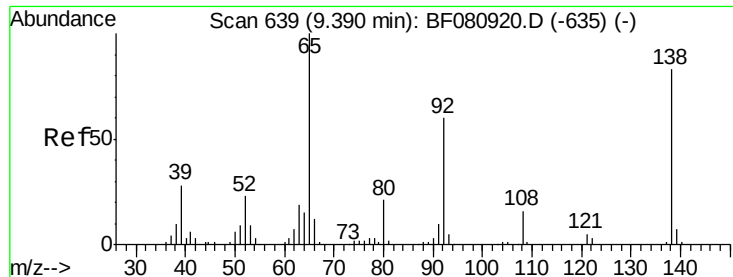
Tot Ion:154	Resp:	475513
Ion Ratio	Lower	Upper
154	100	
153	39.9	20.1 60.1
76	9.8	0.0 29.3



#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

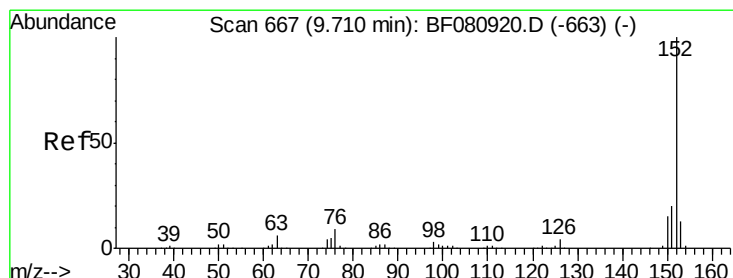
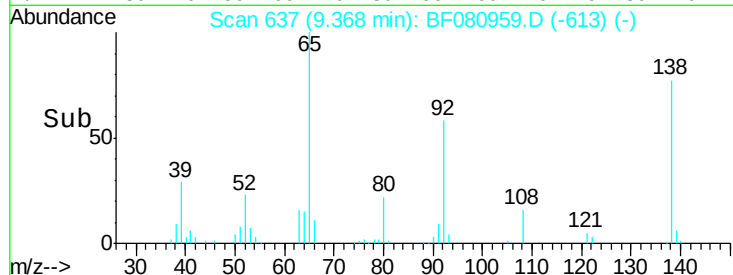
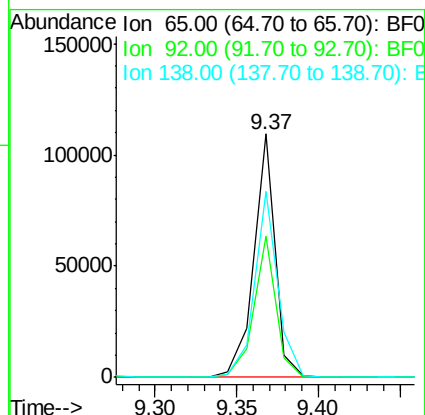
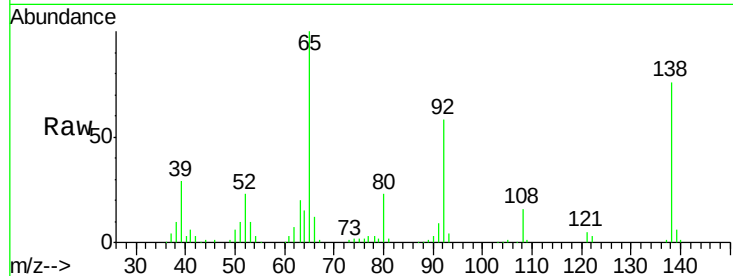




#47
 2-Nitroaniline
 Concen: 26.59 ng
 RT: 9.37 min Scan# 637
 Delta R.T. -0.02 min
 Lab File: BF080959.D
 Acq: 10 Aug 2015 19:09

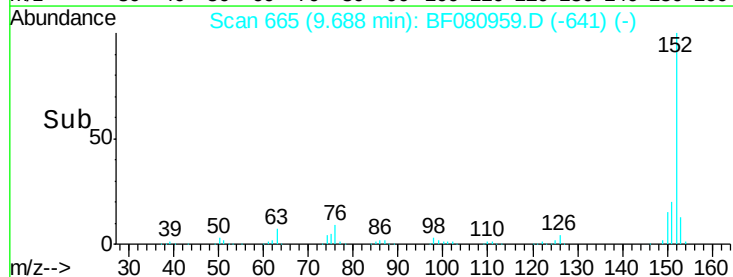
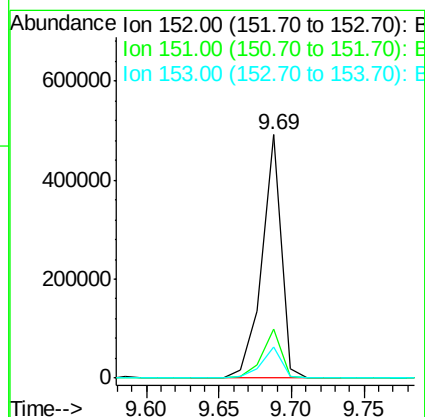
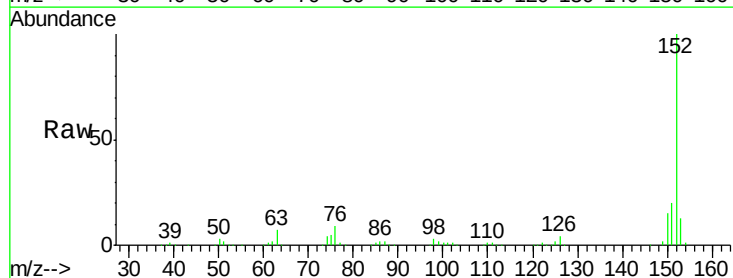
Instrument :
 BNA_F
 ClientSampled :
 SOIL-2MS

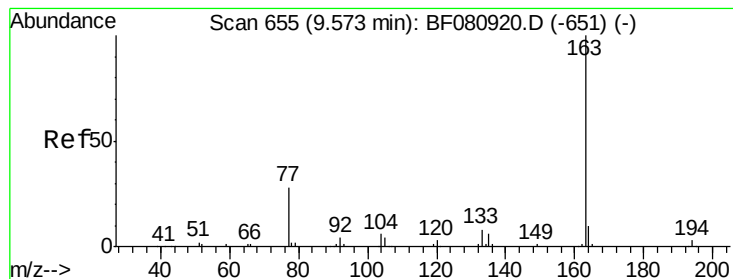
Tot Ion: 65 Resp: 99294
 Ion Ratio Lower Upper
 65 100
 92 58.0 48.0 72.0
 138 76.5 66.1 99.1



#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

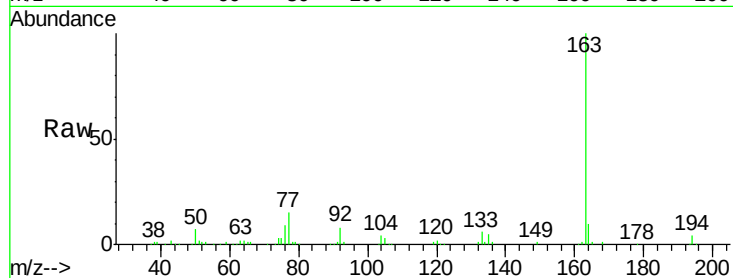
Tot Ion:163 Resp: 323897

Ion Ratio Lower Upper

163 100

194 3.9 2.4 3.6#

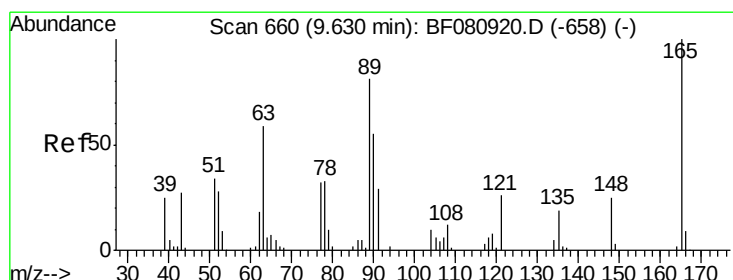
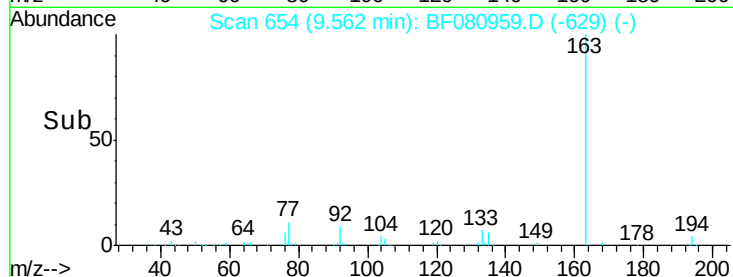
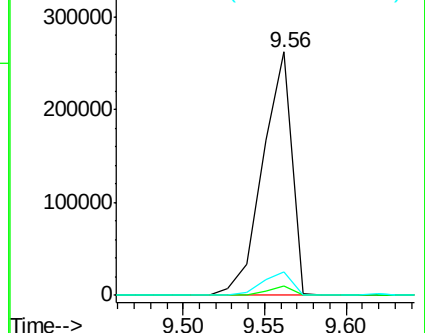
164 9.9 8.2 12.4



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

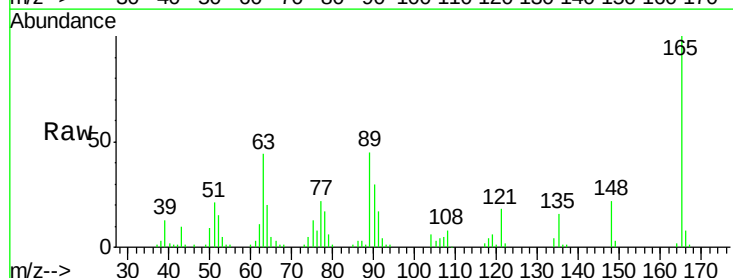
Tgt Ion:165 Resp: 73663

Ion Ratio Lower Upper

165 100

63 44.0 77.6 116.4#

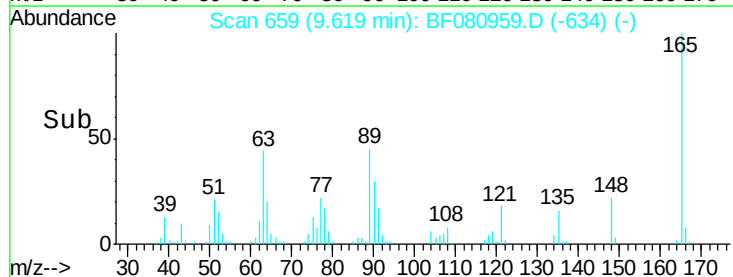
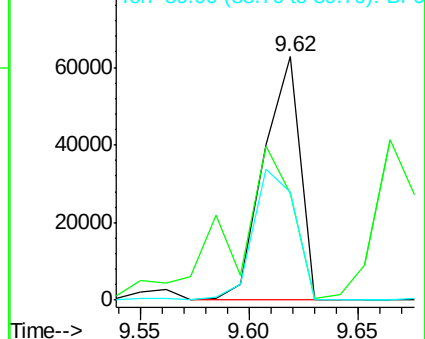
89 44.5 64.5 96.7#

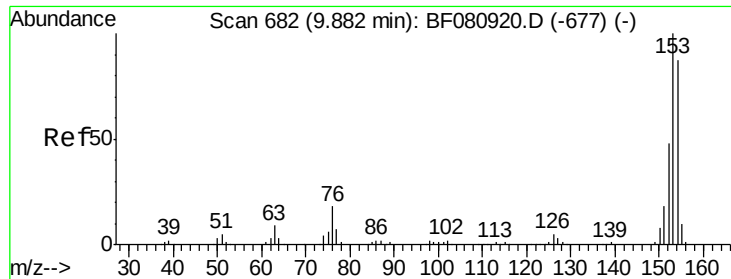


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

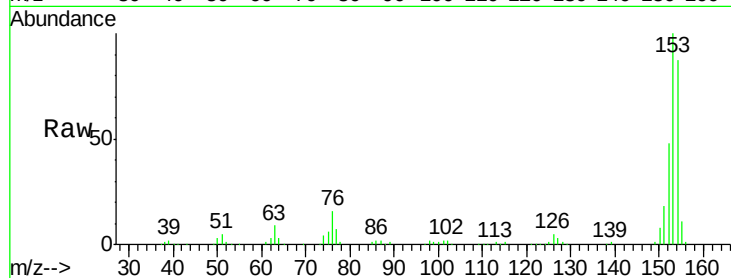




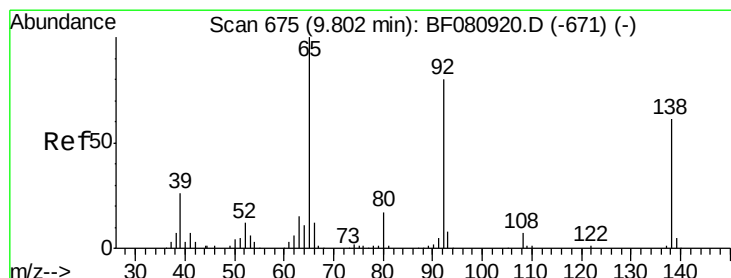
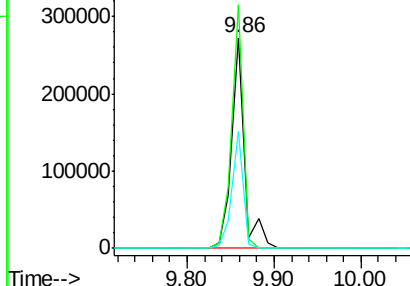
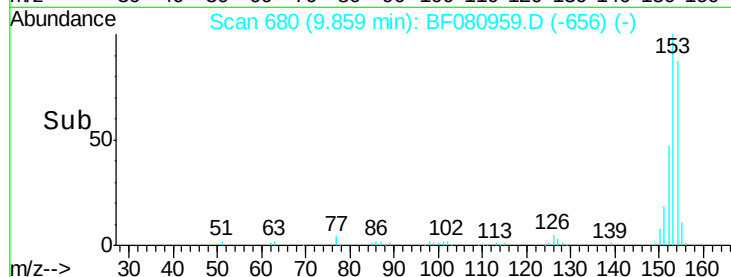
#51
Acenaphthene
Concen: 28.45 ng
RT: 9.86 min Scan# 680
Delta R.T. -0.02 min
Lab File: BF080959.D
Acq: 10 Aug 2015 19:09

Instrument :
BNA_F
ClientSampleId :
SOIL-2MS

Tot Ion:154 Resp: 282078
Ion Ratio Lower Upper
154 100
153 115.4 91.4 137.2
152 55.4 44.2 66.4

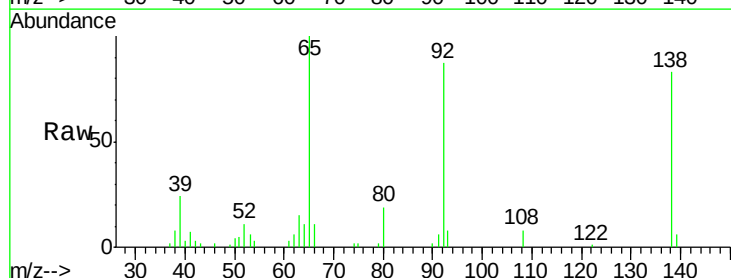


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

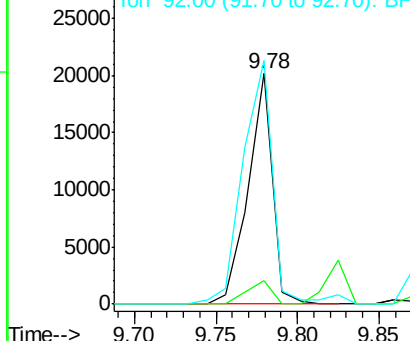
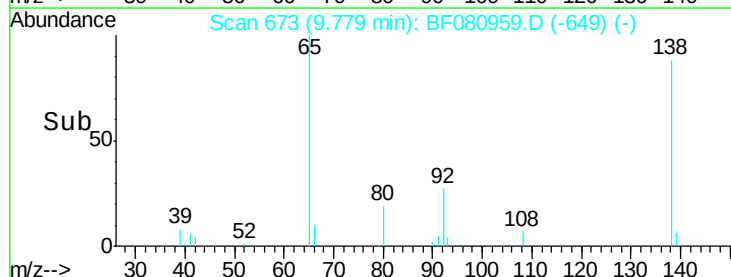


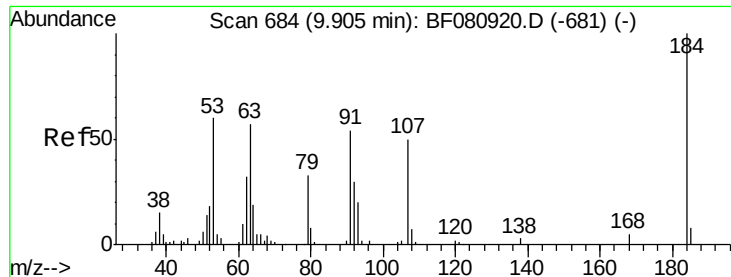
#52
3-Nitroaniline
Concen: 7.07 ng
RT: 9.78 min Scan# 673
Delta R.T. -0.02 min
Lab File: BF080959.D
Acq: 10 Aug 2015 19:09

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

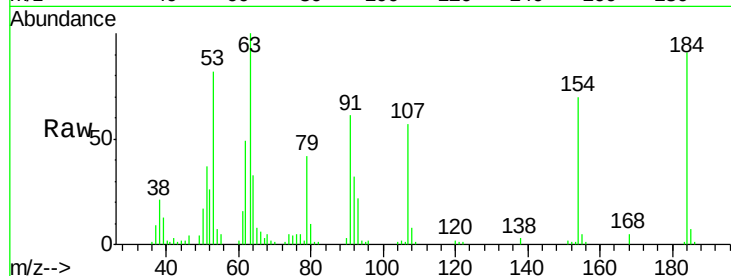




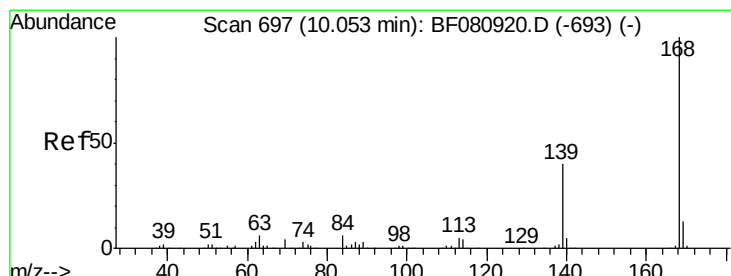
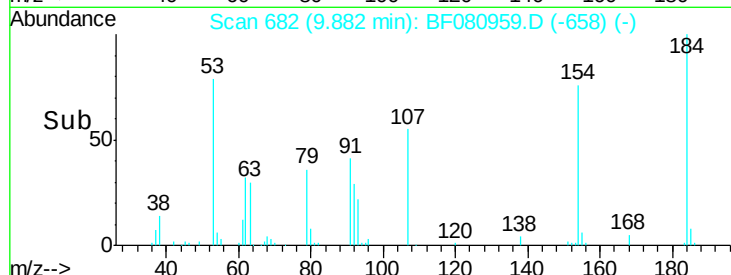
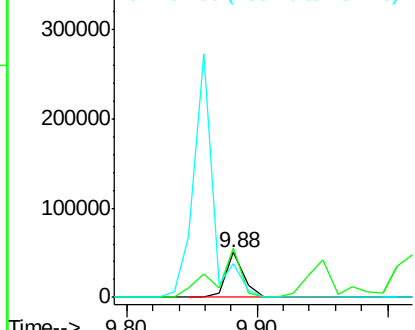
#53
2,4-Dinitrophenol
Concen: 37.01 ng
RT: 9.88 min Scan# 682
Delta R.T. -0.02 min
Lab File: BF080959.D
Acq: 10 Aug 2015 19:09

Instrument :
BNA_F
ClientSampleId :
SOIL-2MS

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

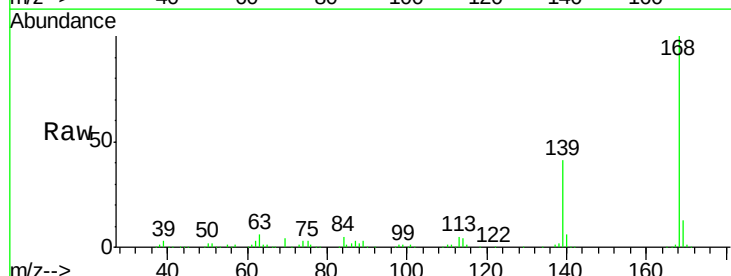


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 154.00 (153.70 to 154.70): E

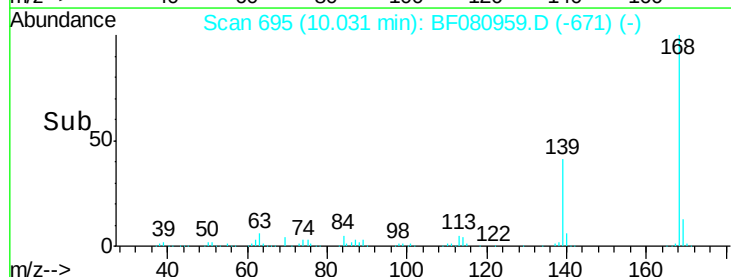
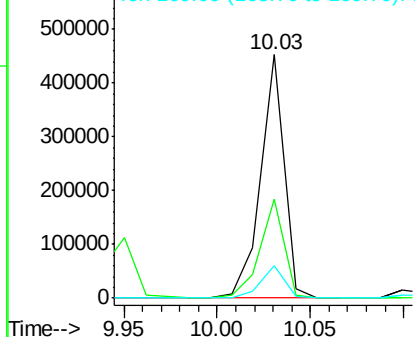


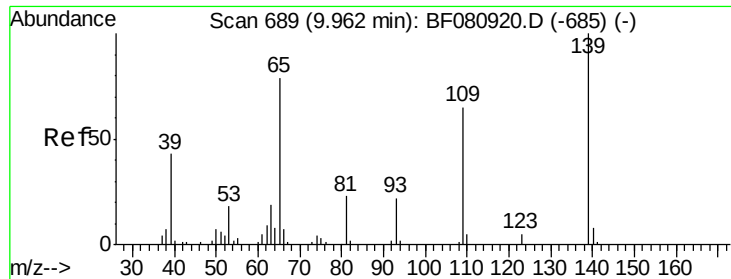
#54
Dibenzofuran
Concen: 29.26 ng
RT: 10.03 min Scan# 695
Delta R.T. -0.02 min
Lab File: BF080959.D
Acq: 10 Aug 2015 19:09

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

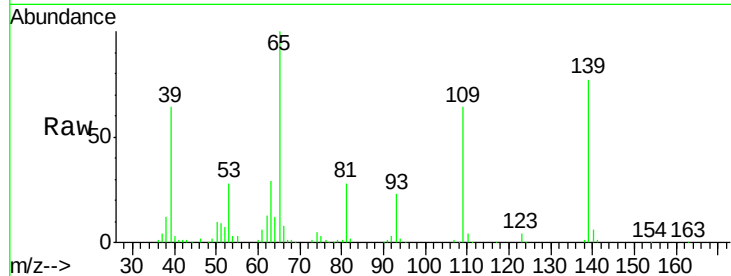
Tot Ion:139 Resp: 130303

Ion Ratio Lower Upper

139 100

109 82.7 44.7 84.7

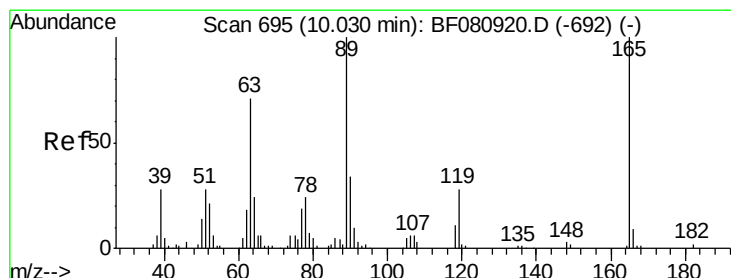
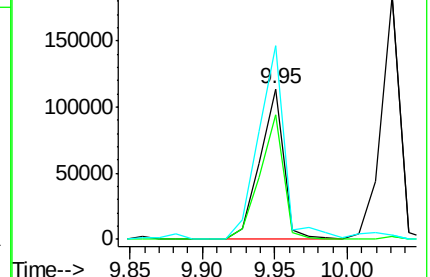
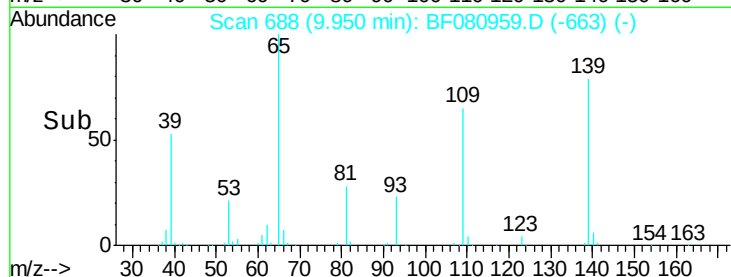
65 129.1 59.5 99.5#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0



#56

2,4-Dinitrotoluene

Concen: 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

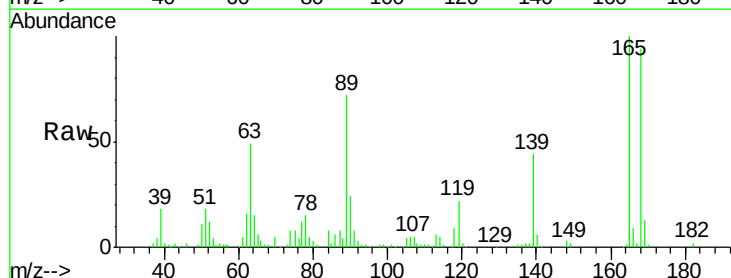
Ion Ratio Lower Upper

165 100

63 48.8 56.7 85.1#

89 71.8 80.4 120.6#

182 2.3 1.5 2.3

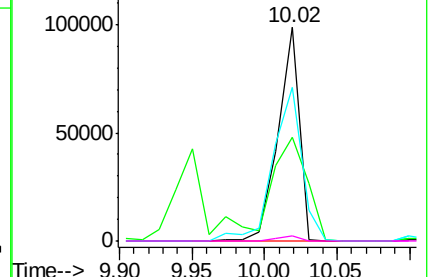
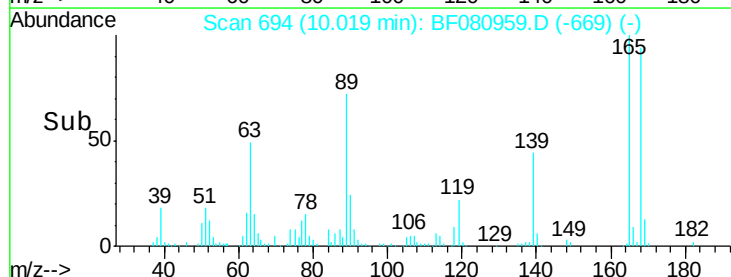


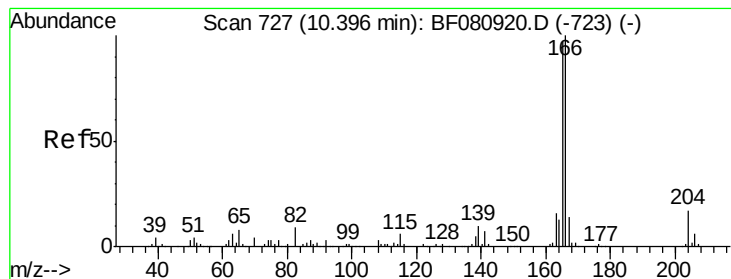
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E





#57

Fluorene

Concen: 30.88 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

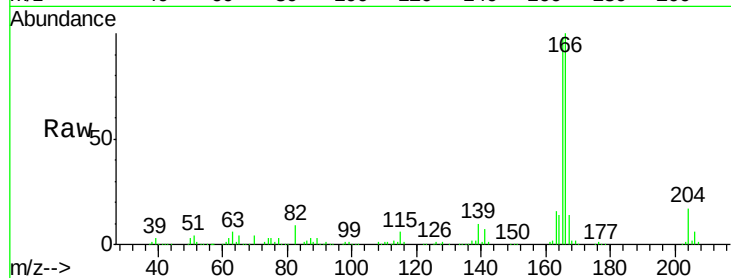
Tot Ion:166 Resp: 320295

Ion Ratio Lower Upper

166 100

165 97.7 77.2 115.8

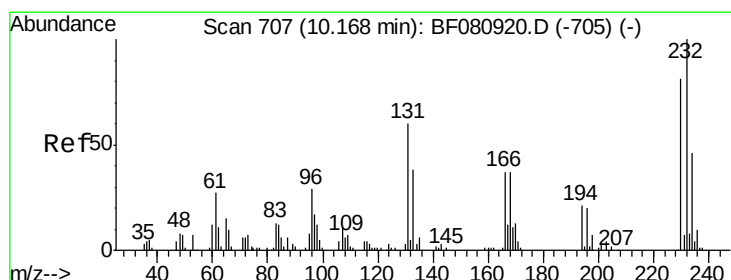
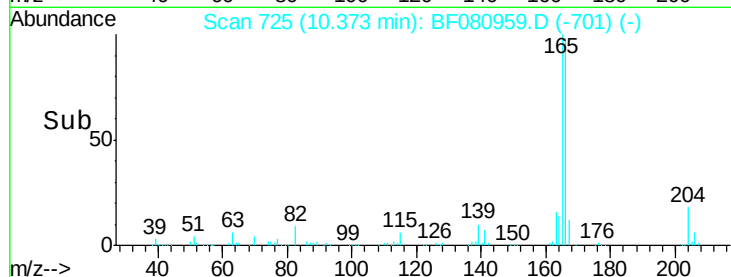
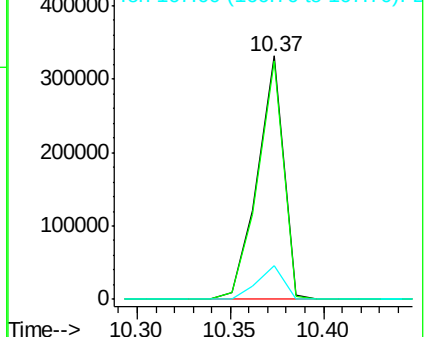
167 13.6 10.8 16.2



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: 27.85 ng

RT: 10.11 min Scan# 702

Delta R.T. -0.06 min

Lab File: BF080959.D

Acq: 10 Aug 2015 19:09

Tgt Ion:232 Resp: 69845

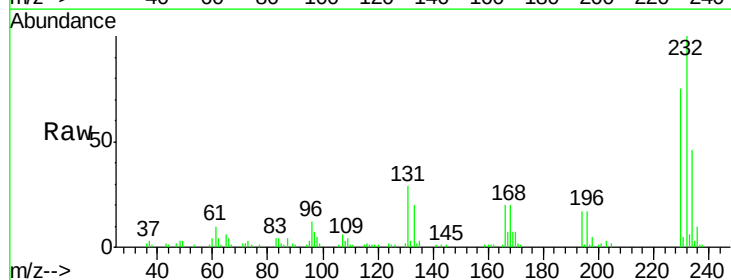
Ion Ratio Lower Upper

232 100

131 47.8 39.4 59.2

130 2.6 2.1 3.1

166 27.4 21.7 32.5

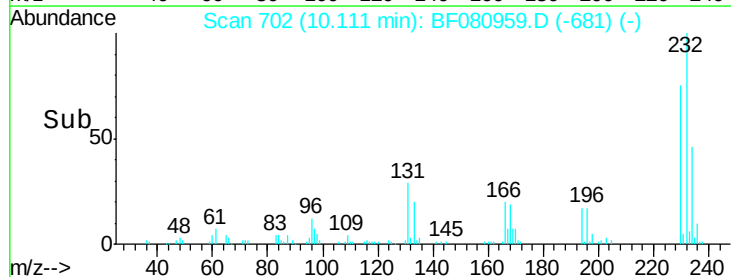
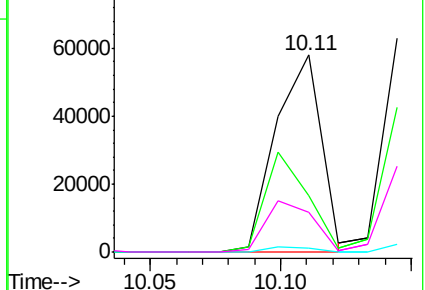


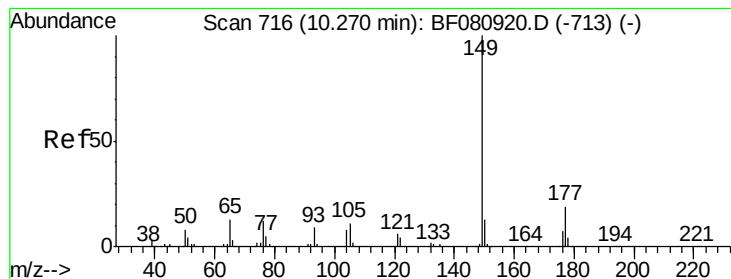
Abundance Ion 232.00 (231.70 to 232.70): E

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

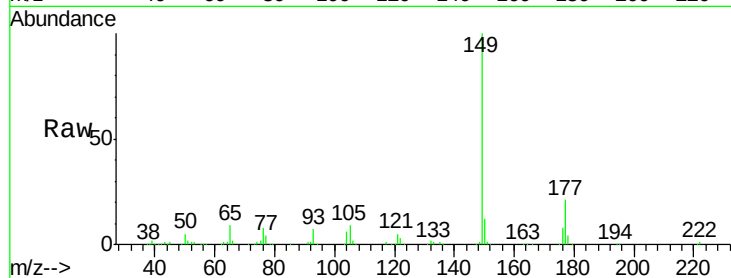
Tot Ion:149 Resp: 363162

Ion Ratio Lower Upper

149 100

177 21.2 15.0 22.4

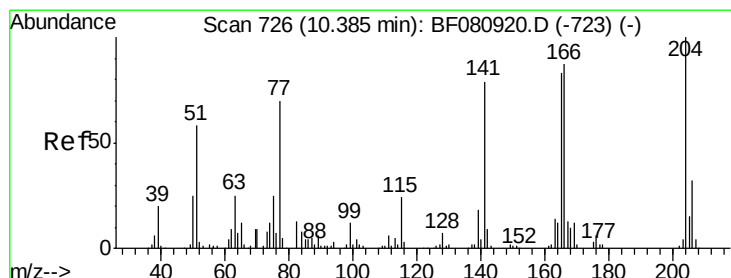
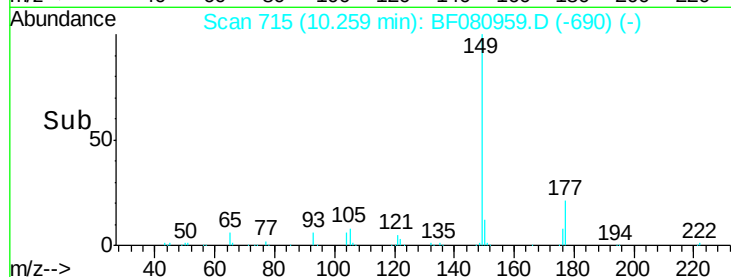
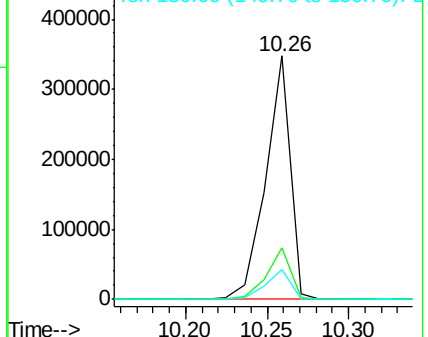
150 12.1 10.4 15.6



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

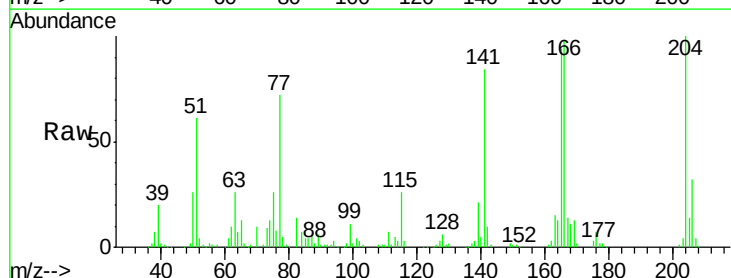
Tgt Ion:204 Resp: 129464

Ion Ratio Lower Upper

204 100

206 31.7 25.5 38.3

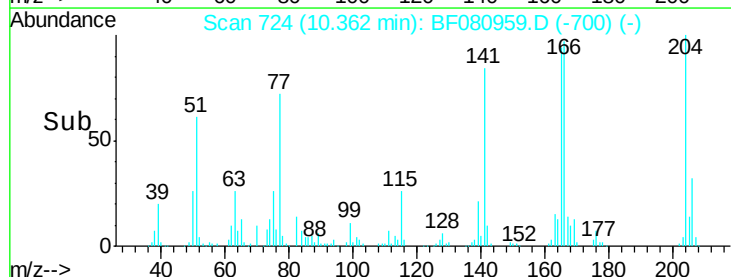
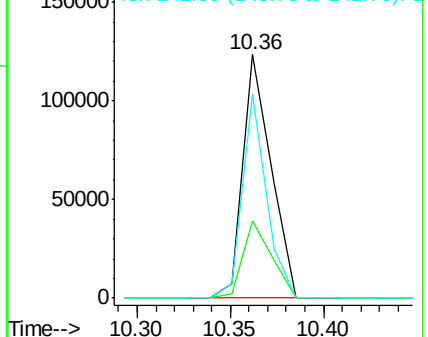
141 83.5 63.4 95.0

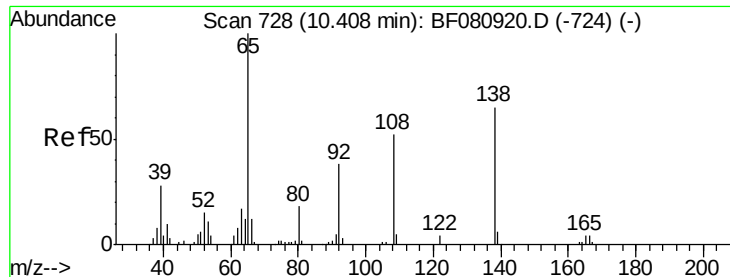


Abundance Ion 204.00 (203.70 to 204.70): E

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

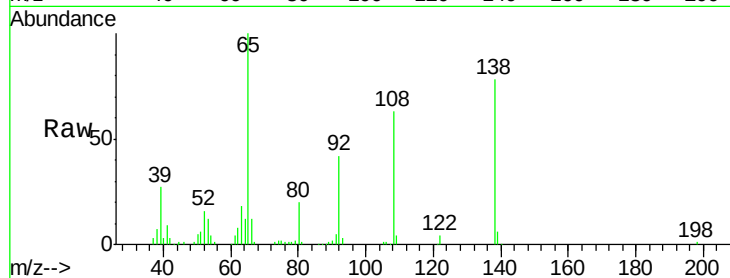
Tot Ion:138 Resp: 76464

Ion Ratio Lower Upper

138 100

92 54.5 38.1 78.1

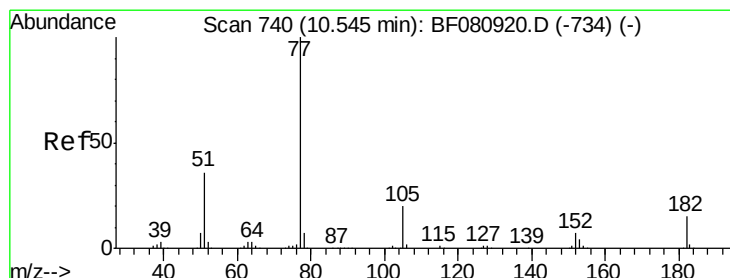
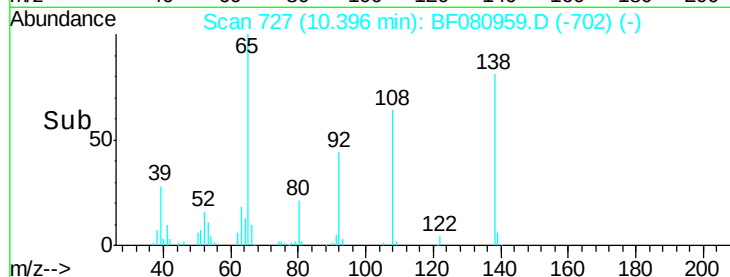
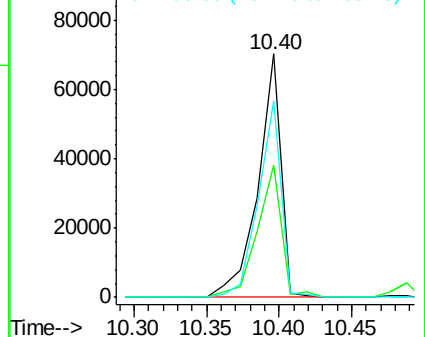
108 80.9 59.9 99.9



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

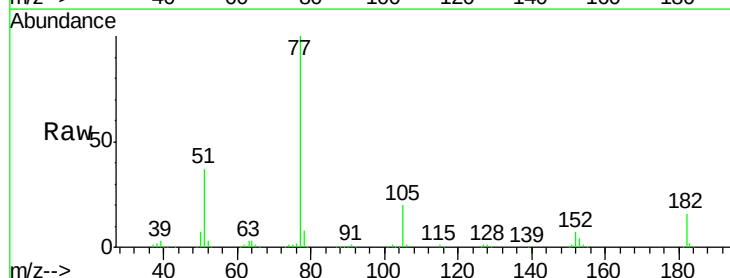
Ion Ratio Lower Upper

77 100

182 15.6 0.0 35.5

105 19.9 0.5 40.5

51 36.9 15.6 55.6

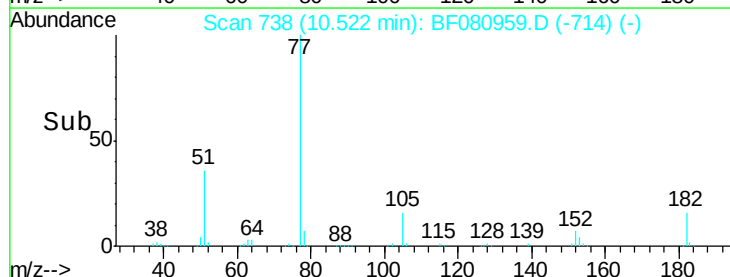
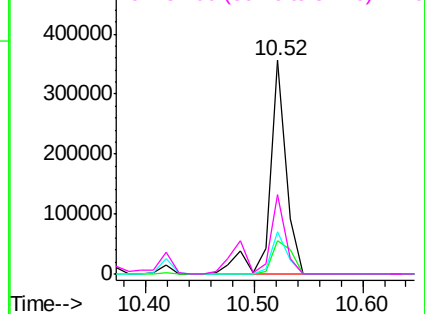


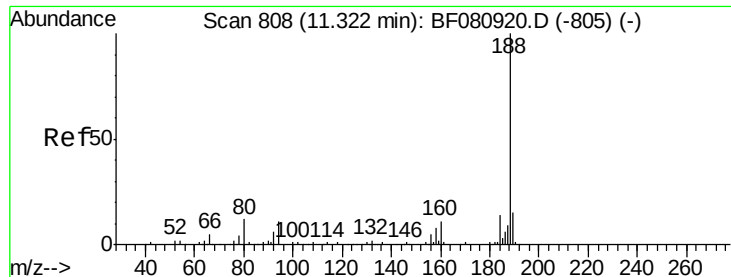
Abundance Ion 77.00 (76.70 to 77.70): BF0

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

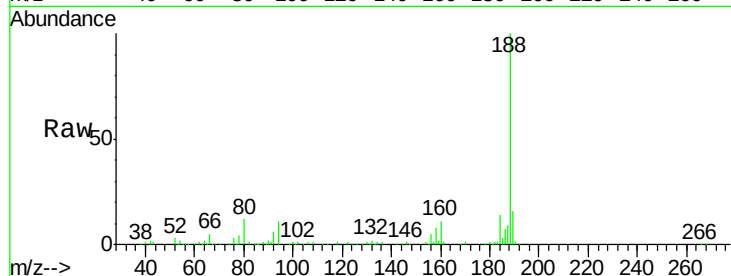
Tot Ion:188 Resp: 257001

Ion Ratio Lower Upper

188 100

94 10.7 8.8 13.2

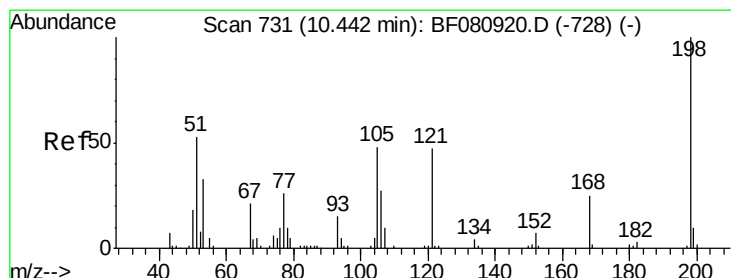
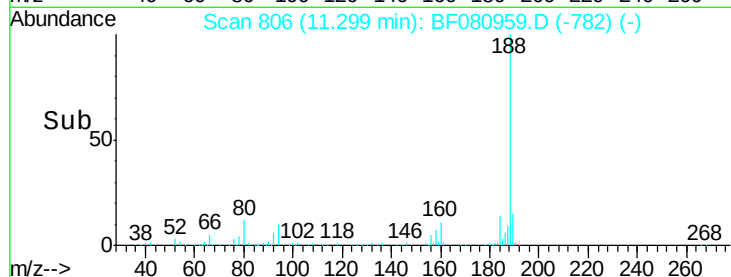
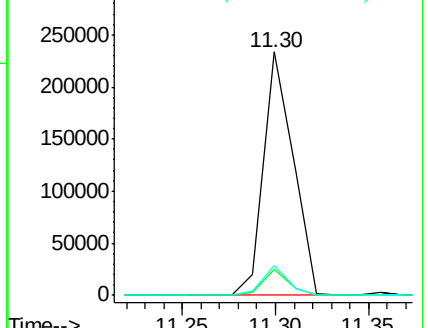
80 12.2 9.5 14.3



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#64

4,6-Dinitro-2-methylphenol

Concen: 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

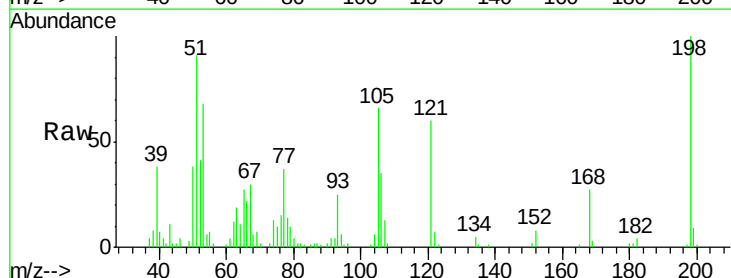
Tgt Ion:198 Resp: 36879

Ion Ratio Lower Upper

198 100

51 90.7 40.3 80.3#

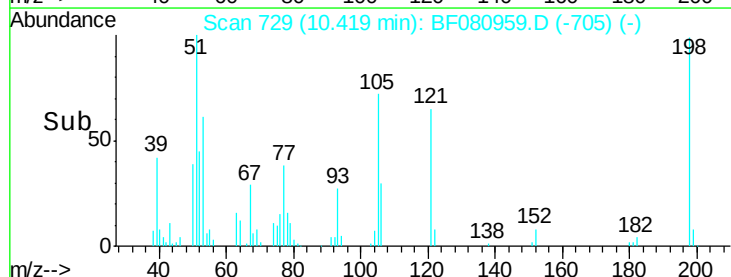
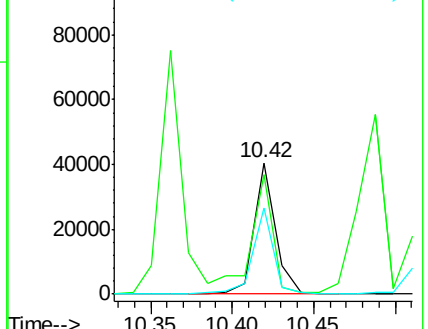
105 65.6 29.6 69.6

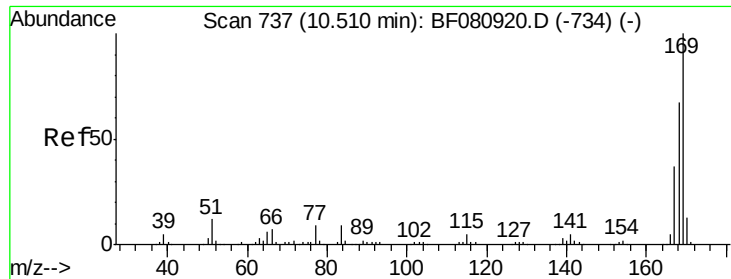


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E

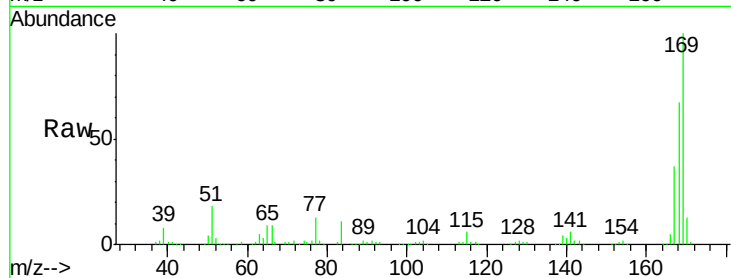




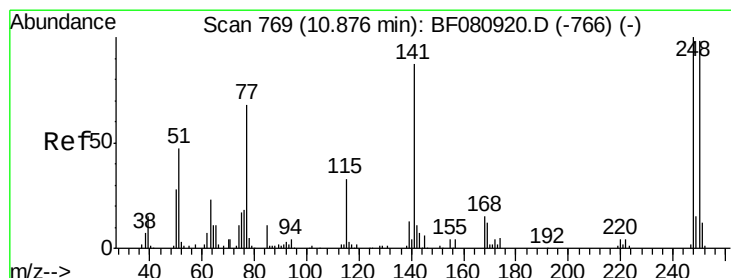
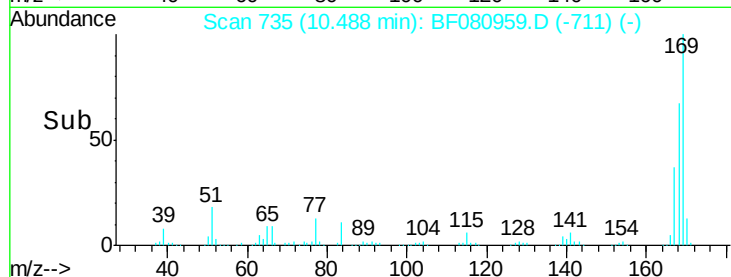
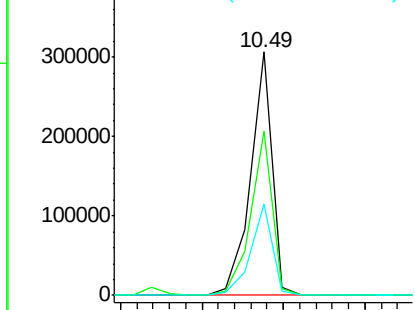
#65
 n-Nitrosodiphenylamine
 Concen: 31.32 ng
 RT: 10.49 min Scan# 735
 Delta R.T. -0.02 min
 Lab File: BF080959.D
 Acq: 10 Aug 2015 19:09

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-2MS

Tot Ion:169 Resp: 279683
 Ion Ratio Lower Upper
 169 100
 168 67.4 53.7 80.5
 167 37.4 29.3 43.9

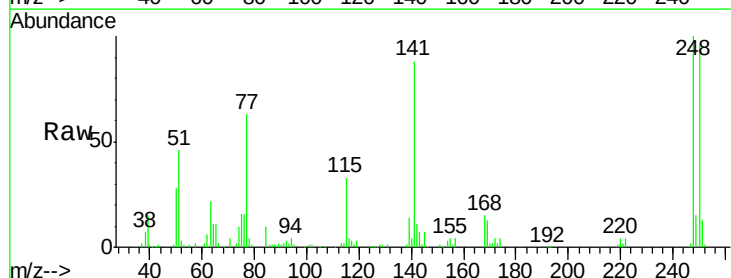


Abundance Ion 169.00 (168.70 to 169.70): E
 Ion 168.00 (167.70 to 168.70): E
 Ion 167.00 (166.70 to 167.70): E

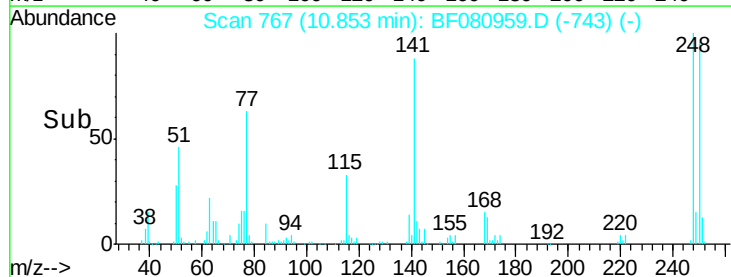
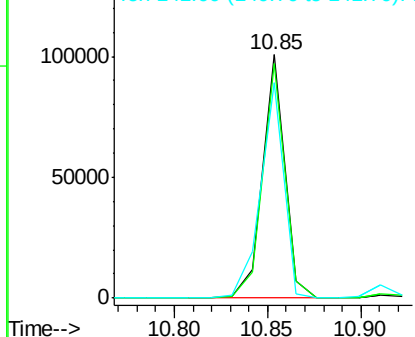


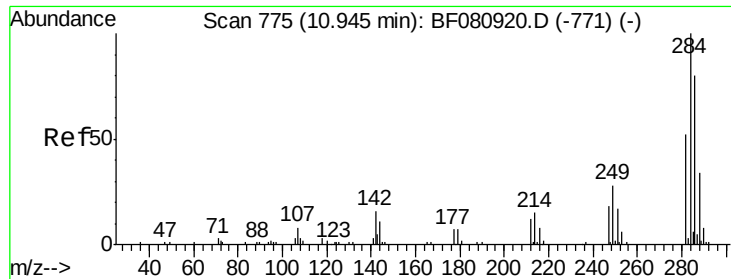
#66
 4-Bromophenyl-phenylether
 Concen: 30.26 ng
 RT: 10.85 min Scan# 767
 Delta R.T. -0.02 min
 Lab File: BF080959.D
 Acq: 10 Aug 2015 19:09

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

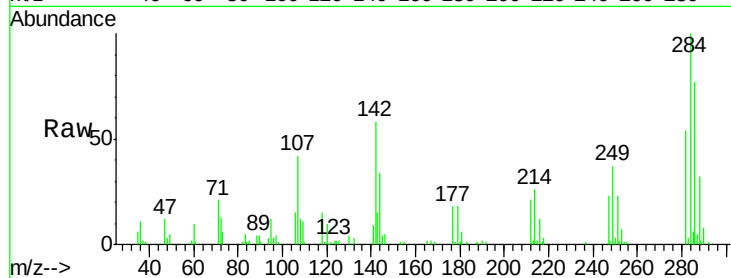
Tot Ion:284 Resp: 88936

Ion Ratio Lower Upper

284 100

142 57.8 12.8 19.2#

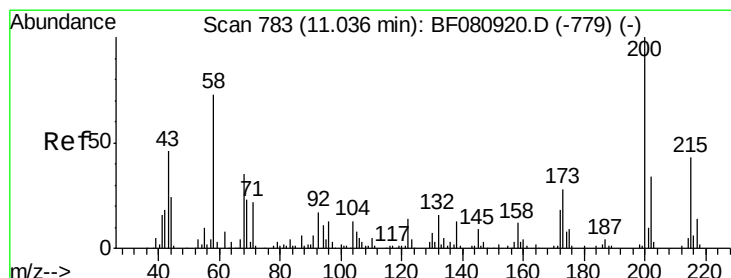
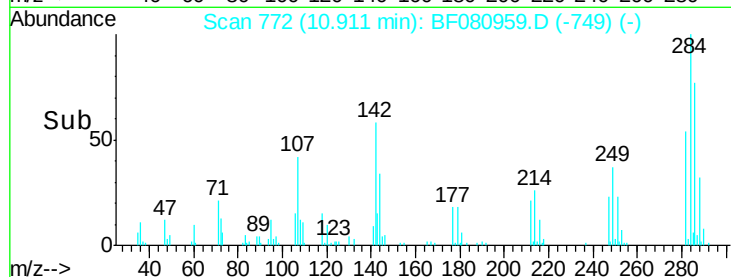
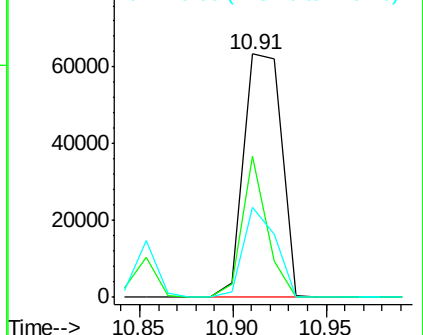
249 37.1 22.5 33.7#



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

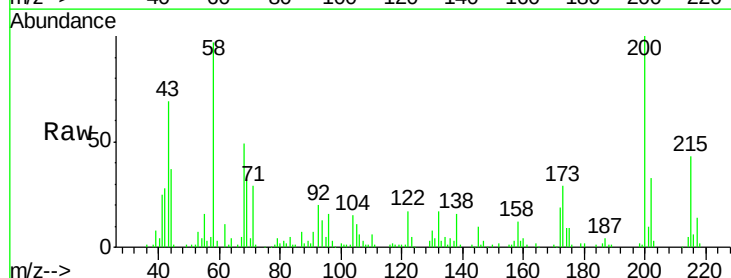
Tgt Ion:200 Resp: 94886

Ion Ratio Lower Upper

200 100

173 29.1 8.4 48.4

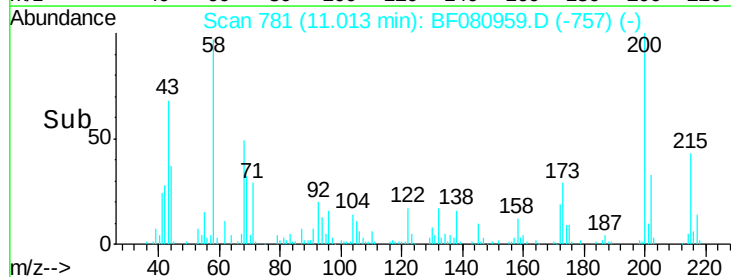
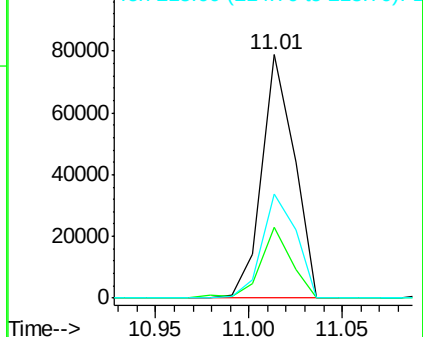
215 42.8 22.7 62.7

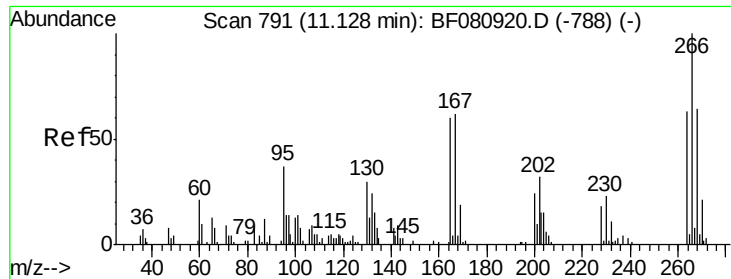


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E

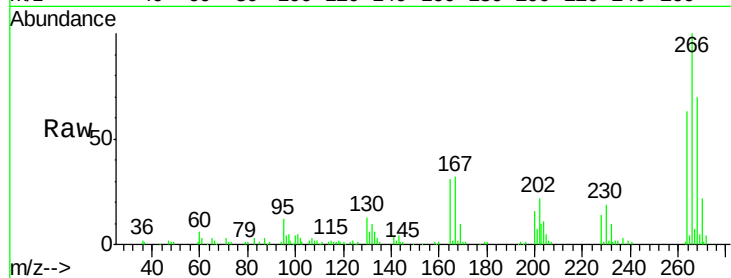




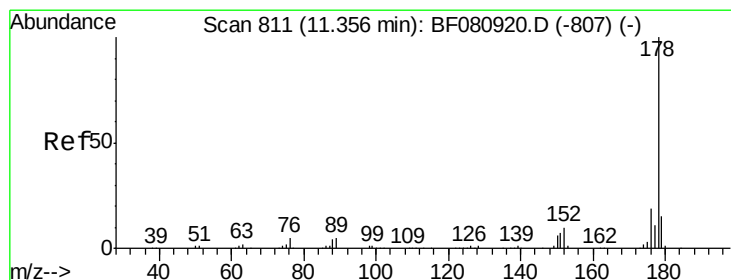
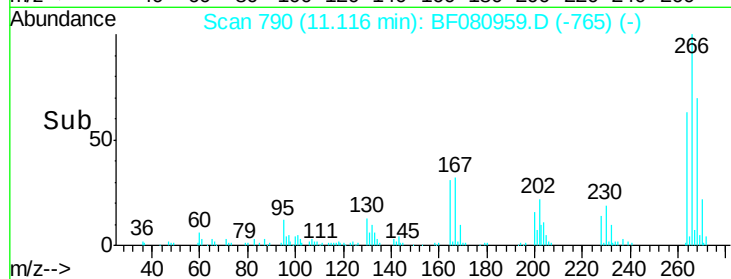
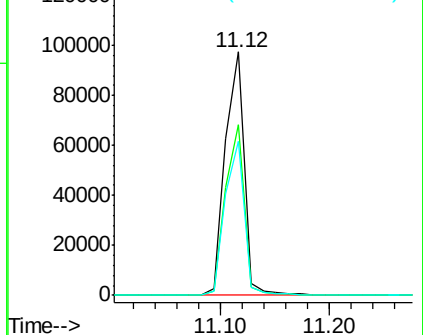
#69
 Pentachlorophenol
 Concen: 67.16 ng
 RT: 11.12 min Scan# 790
 Delta R.T. -0.01 min
 Lab File: BF080959.D
 Acq: 10 Aug 2015 19:09

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-2MS

Tot Ion	Ratio	Lower	Upper
266	100		
268	69.9	51.6	77.4
264	63.2	50.1	75.1

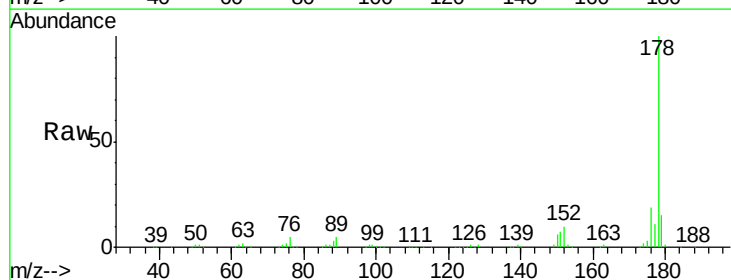


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

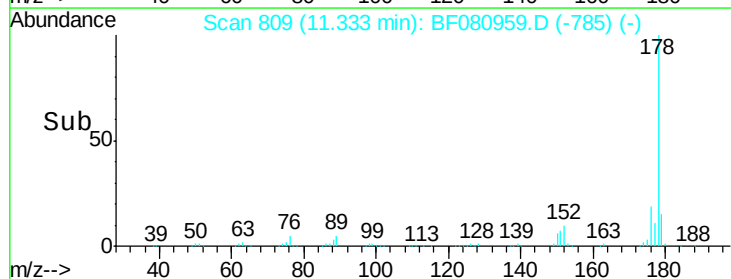
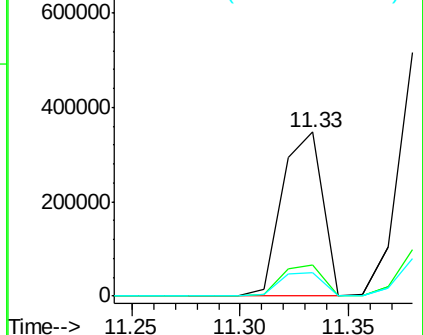


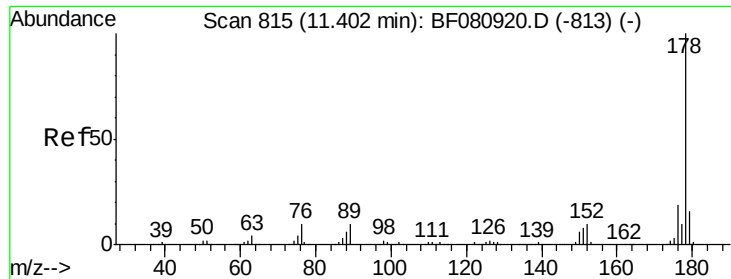
#70
 Phenanthrene
 Concen: 30.96 ng
 RT: 11.33 min Scan# 809
 Delta R.T. -0.02 min
 Lab File: BF080959.D
 Acq: 10 Aug 2015 19:09

Tgt Ion	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

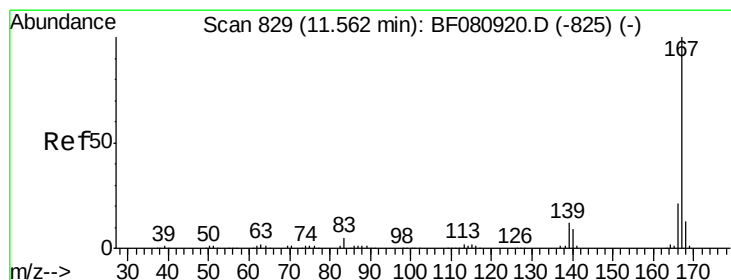
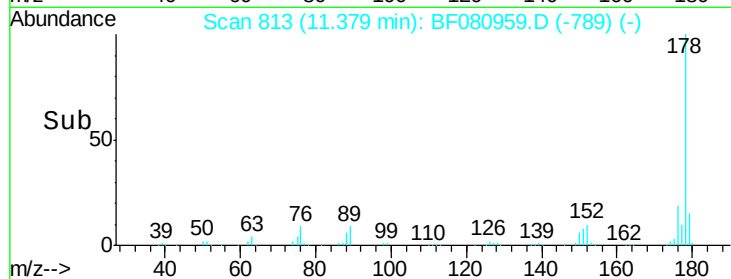
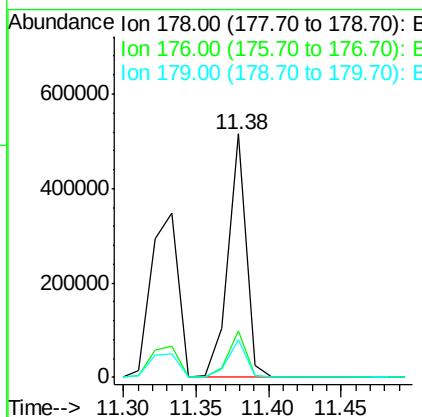
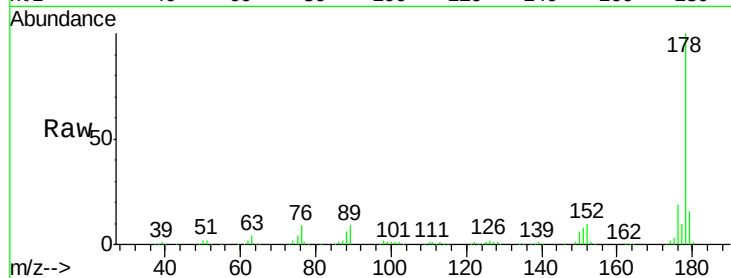




#71
 Anthracene
 Concen: 30.96 ng
 RT: 11.38 min Scan# 813
 Delta R.T. -0.02 min
 Lab File: BF080959.D
 Acq: 10 Aug 2015 19:09

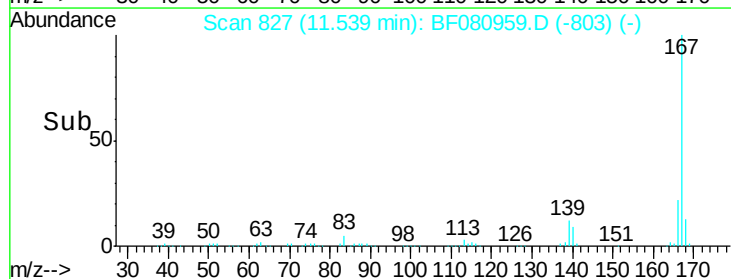
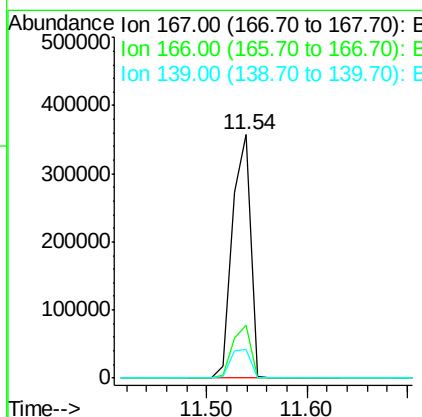
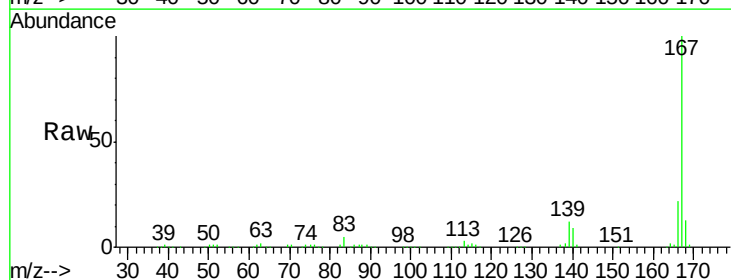
Instrument :
 BNA_F
 ClientSampleId :
 SOIL-2MS

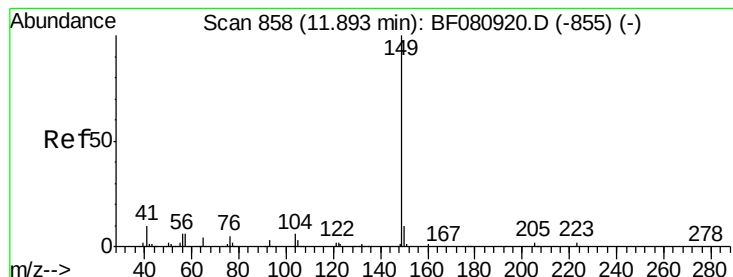
Tot Ion:178 Resp: 446123
 Ion Ratio Lower Upper
 178 100
 176 19.1 15.5 23.3
 179 15.6 12.6 18.8



#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





#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

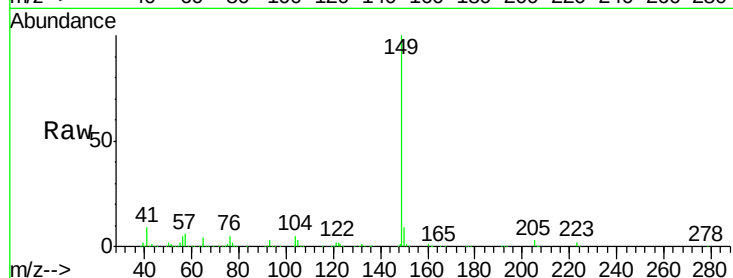
Tot Ion:149 Resp: 553648

Ion Ratio Lower Upper

149 100

150 9.3 7.6 11.4

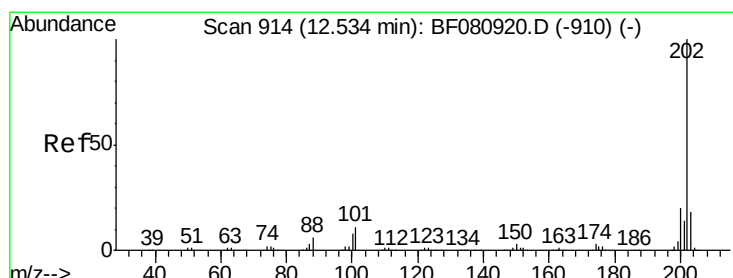
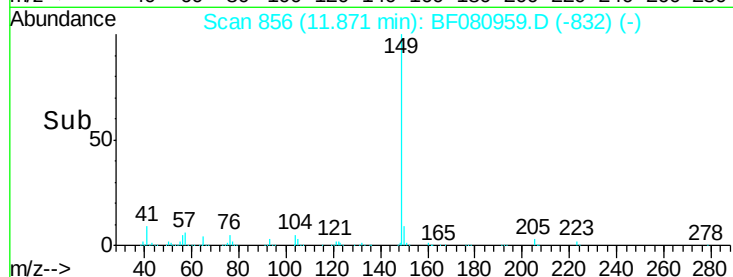
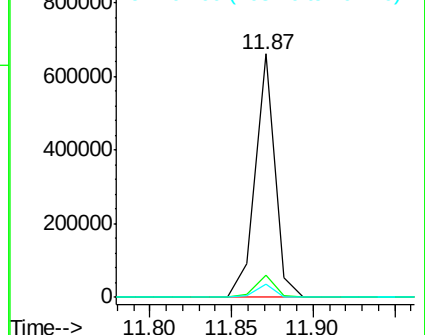
104 5.3 4.4 6.6



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 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

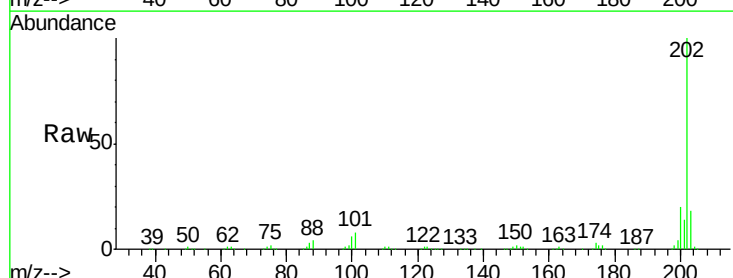
Tgt Ion:202 Resp: 514961

Ion Ratio Lower Upper

202 100

101 7.9 0.0 30.5

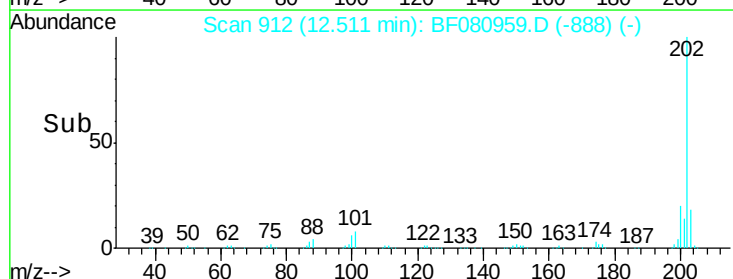
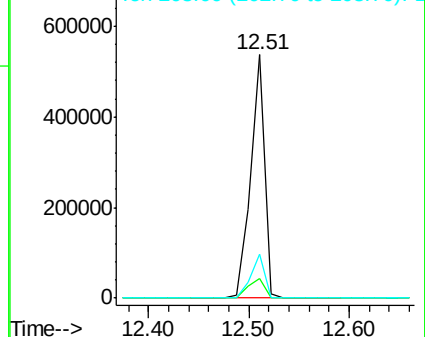
203 17.8 0.0 37.7

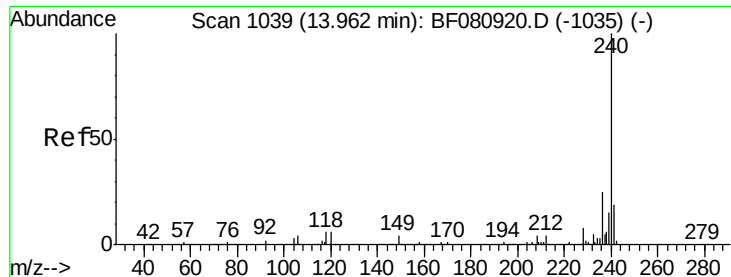


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.93 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

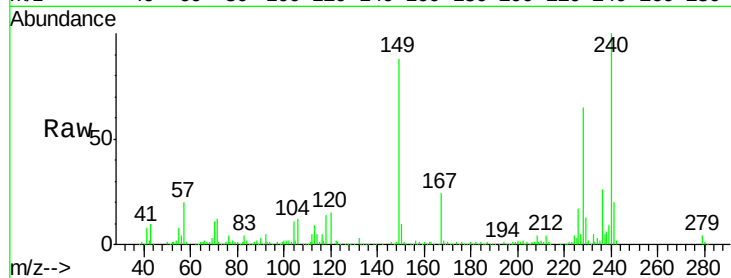
Tot Ion:240 Resp: 236785

Ion Ratio Lower Upper

240 100

120 14.9 5.2 7.8#

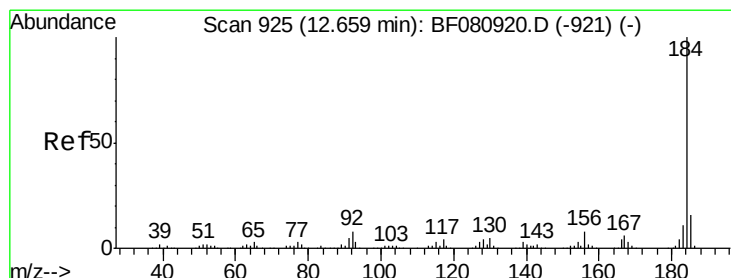
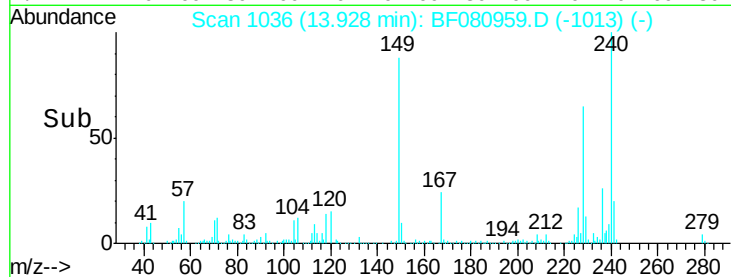
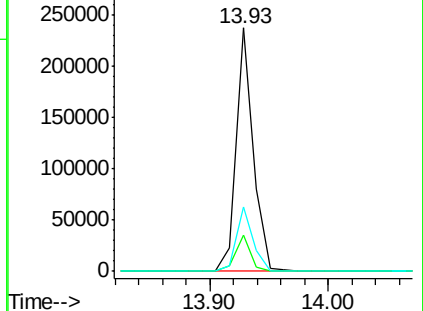
236 26.3 20.2 30.4



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

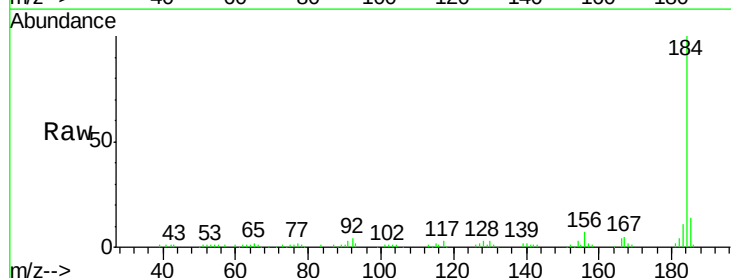
Tgt Ion:184 Resp: 133848

Ion Ratio Lower Upper

184 100

185 13.6 13.0 19.4

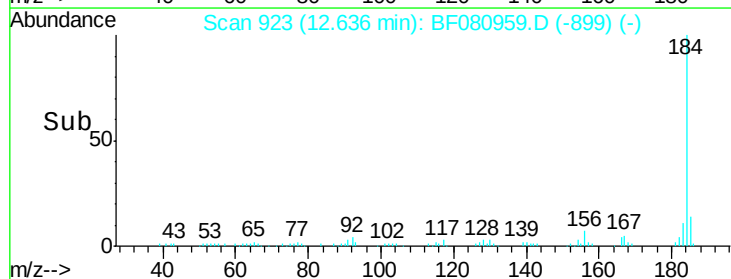
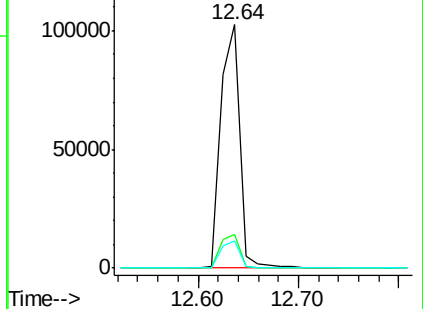
183 11.2 8.7 13.1

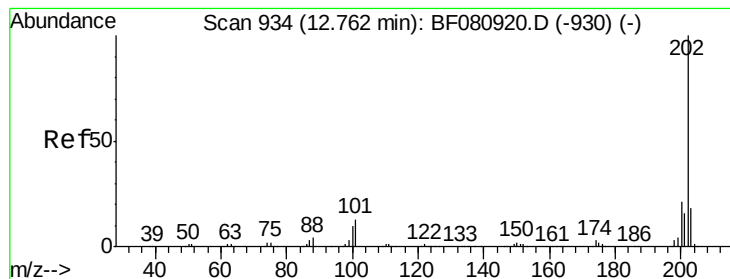


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pvrene

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

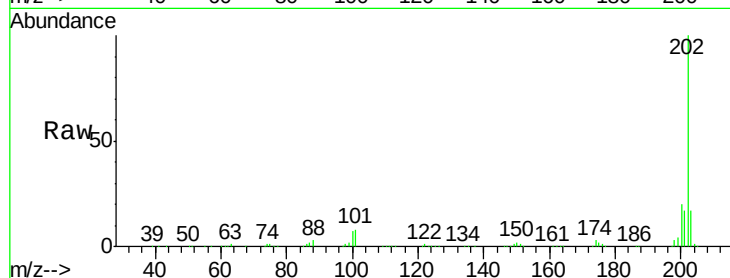
Tot Ion:202 Resp: 566650

Ion Ratio Lower Upper

202 100

200 20.3 16.6 24.8

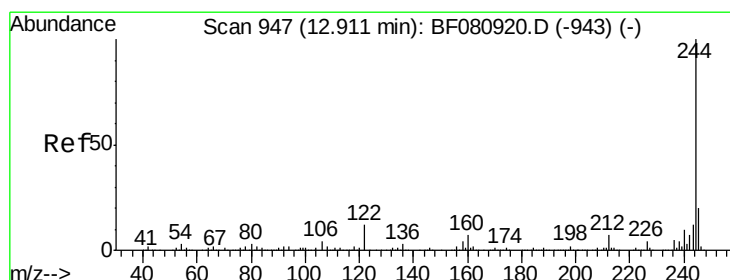
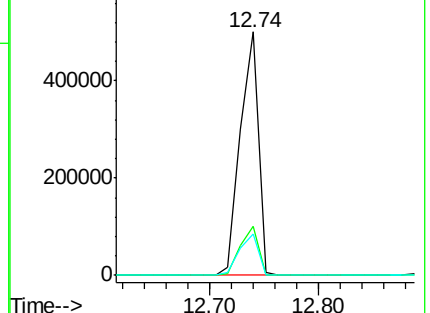
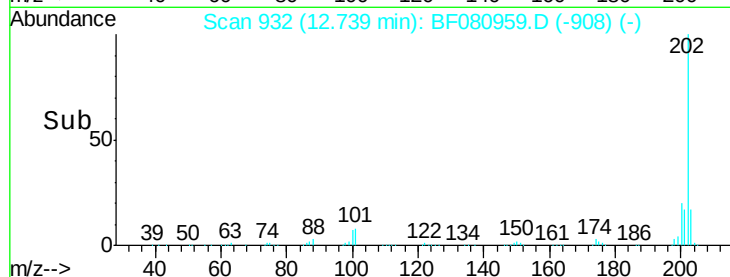
203 17.0 14.2 21.2



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 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

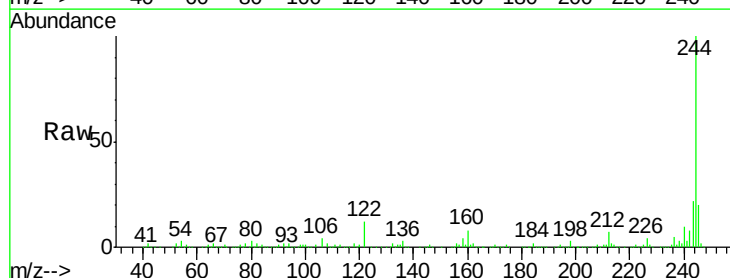
Tgt Ion:244 Resp: 743447

Ion Ratio Lower Upper

244 100

212 7.5 5.8 8.8

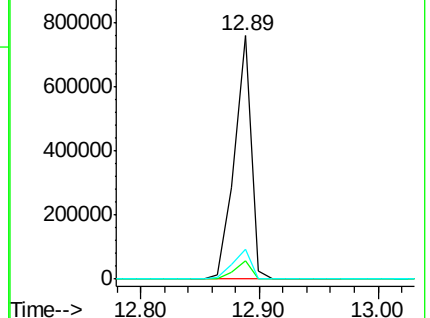
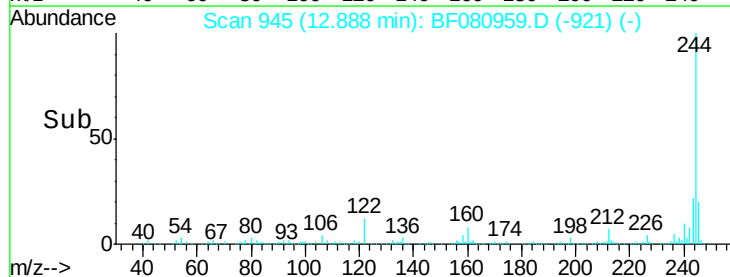
122 12.4 9.4 14.2

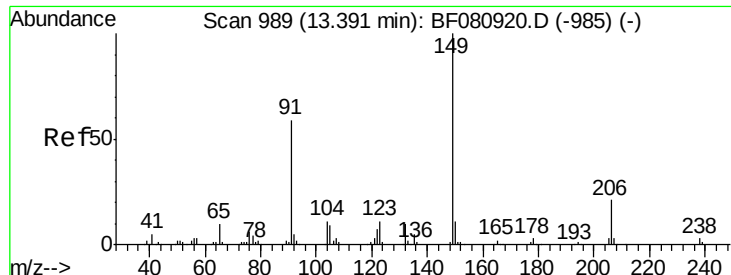


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

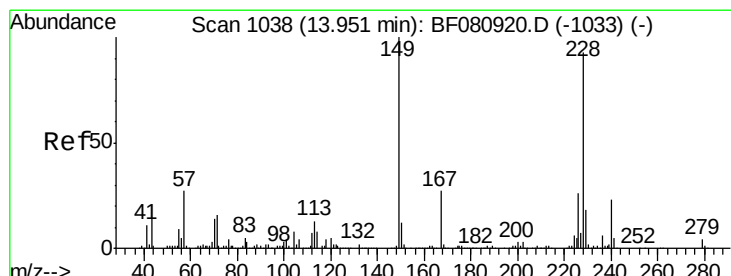
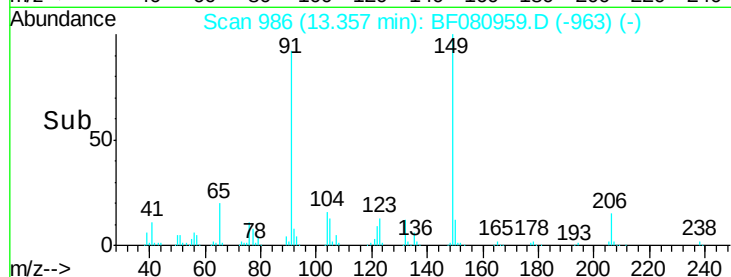
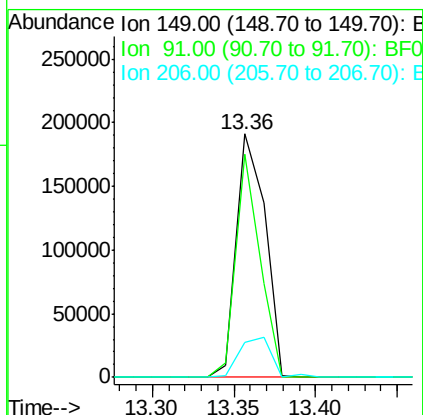
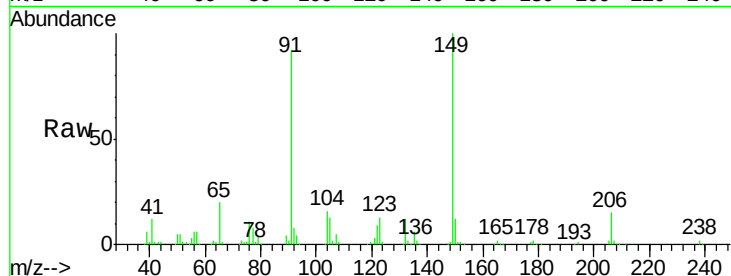




#79
Butylbenzylphthalate
Concen: 27.60 ng
RT: 13.36 min Scan# 986
Delta R.T. -0.03 min
Lab File: BF080959.D
Acq: 10 Aug 2015 19:09

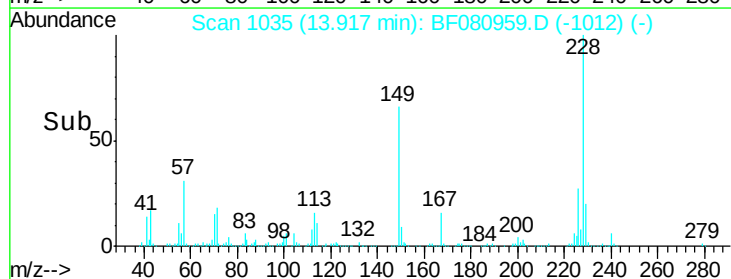
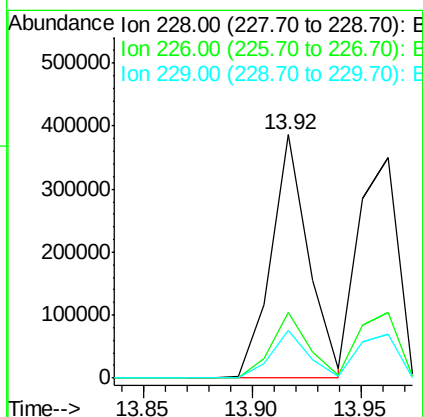
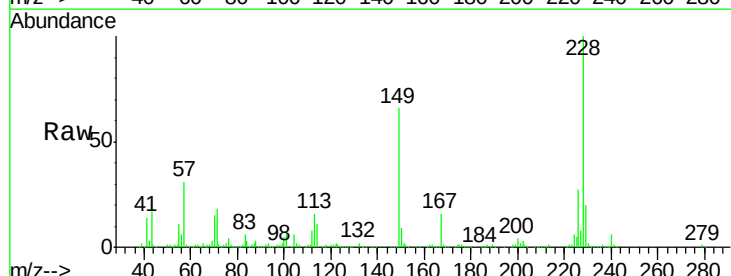
Instrument :
BNA_F
ClientSampleId :
SOIL-2MS

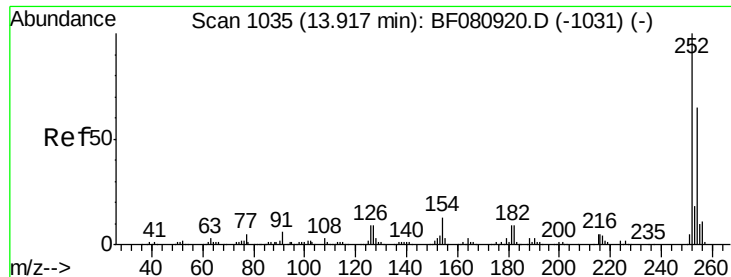
Tot Ion:149 Resp: 232770
Ion Ratio Lower Upper
149 100
91 91.9 47.2 70.8#
206 14.5 16.5 24.7#



#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

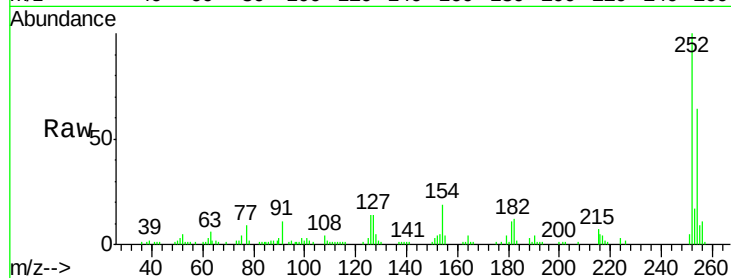




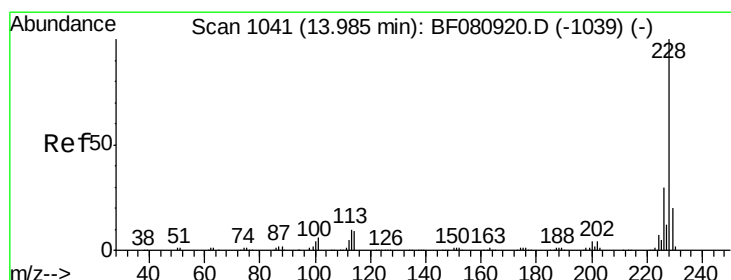
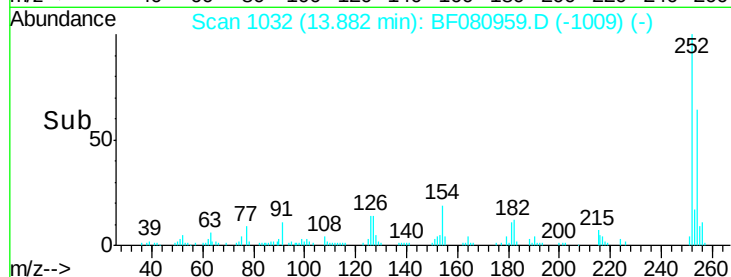
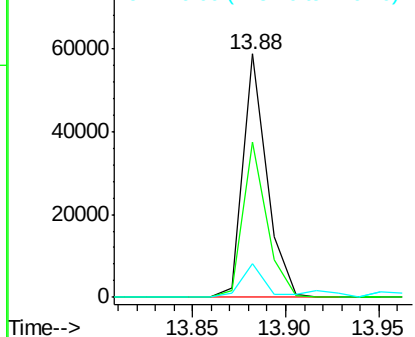
#81
 3,3'-Dichlorobenzidine
 Concen: 9.60 ng
 RT: 13.88 min Scan# 1032
 Delta R.T. -0.03 min
 Lab File: BF080959.D
 Acq: 10 Aug 2015 19:09

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-2MS

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

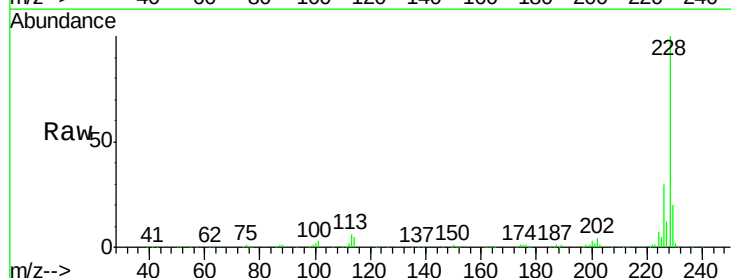


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

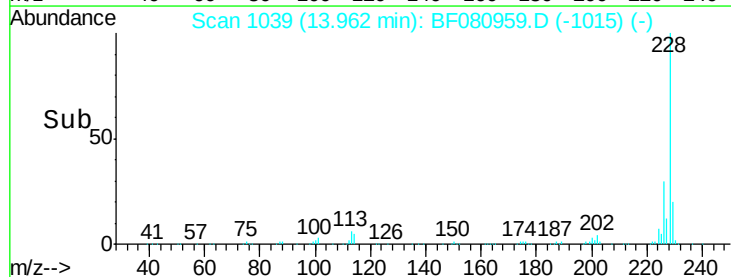
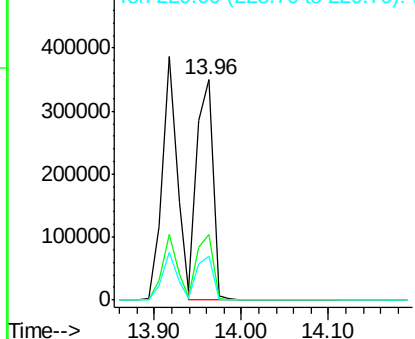


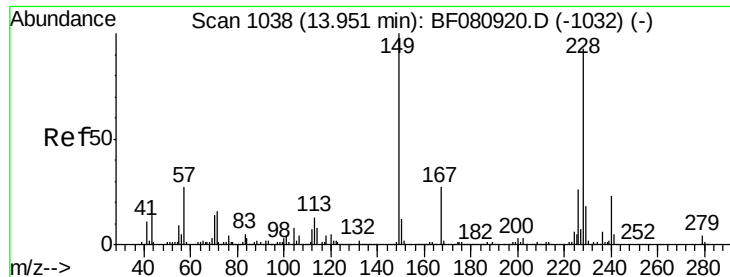
#82
 Chrysene
 Concen: 31.22 ng
 RT: 13.96 min Scan# 1039
 Delta R.T. -0.02 min
 Lab File: BF080959.D
 Acq: 10 Aug 2015 19:09

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



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

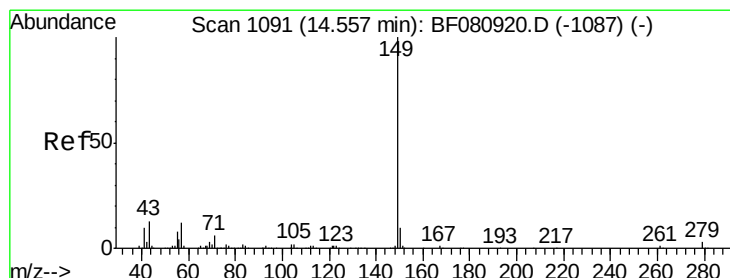
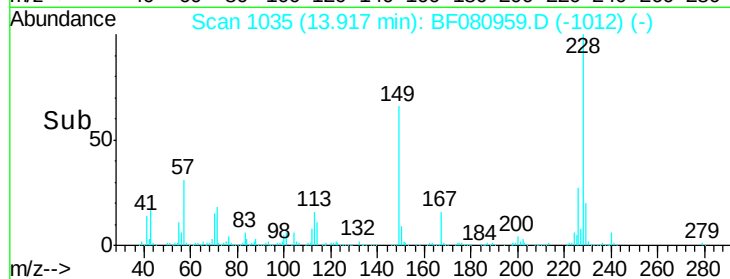
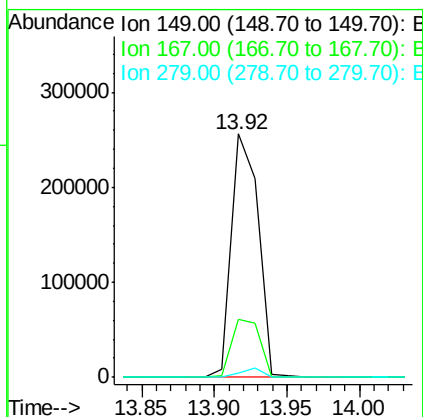
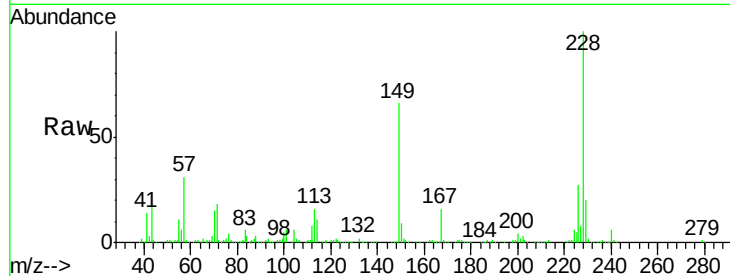




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 28.06 ng
 RT: 13.92 min Scan# 1035
 Delta R.T. -0.03 min
 Lab File: BF080959.D
 Acq: 10 Aug 2015 19:09

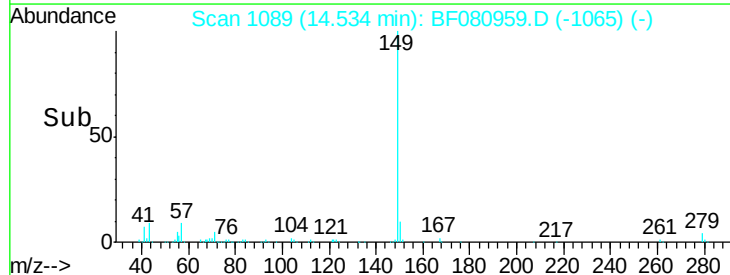
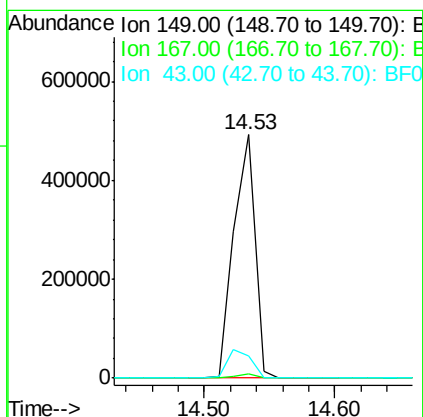
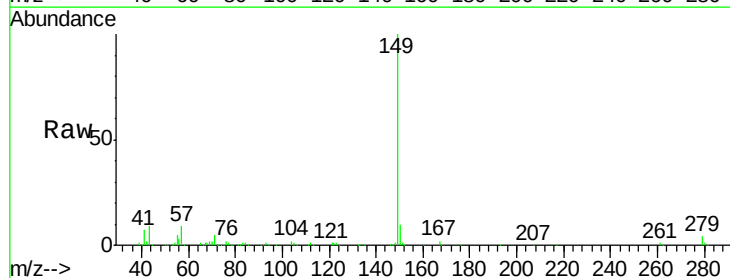
Instrument :
 BNA_F
 ClientSampleId :
 SOIL-2MS

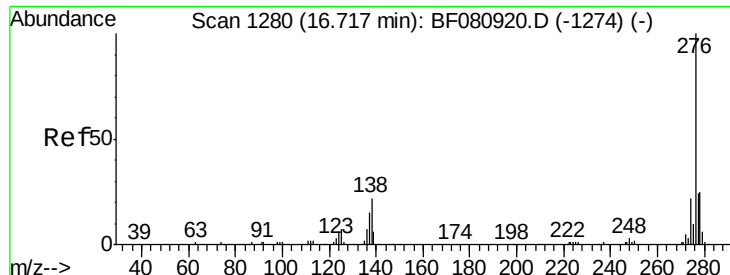
Tot Ion:149 Resp: 329278
 Ion Ratio Lower Upper
 149 100
 167 24.0 21.4 32.0
 279 1.7 2.9 4.3#



#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

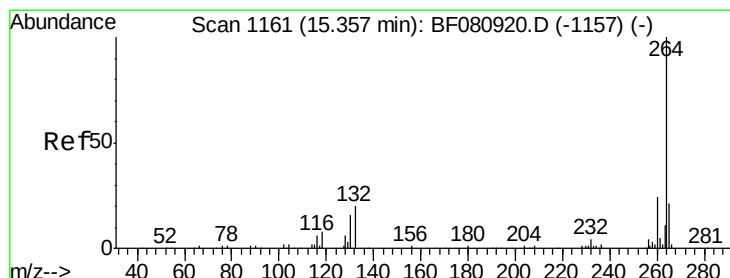
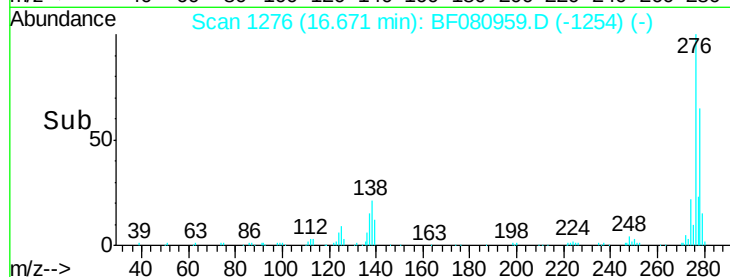
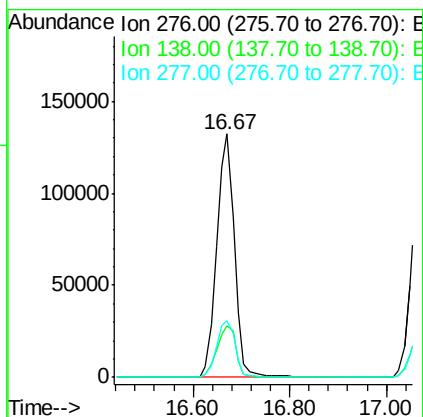
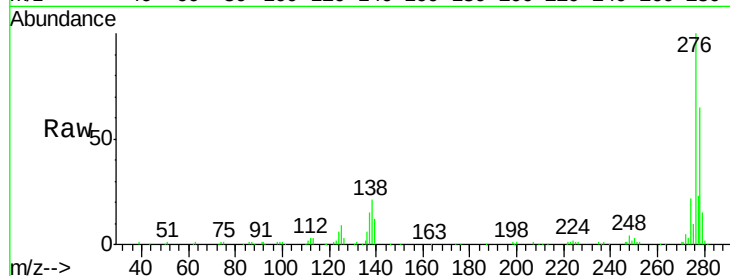




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 24.99 ng
 RT: 16.67 min Scan# 1276
 Delta R.T. -0.05 min
 Lab File: BF080959.D
 Acq: 10 Aug 2015 19:09

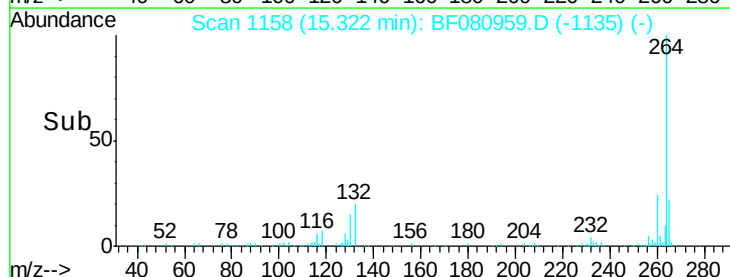
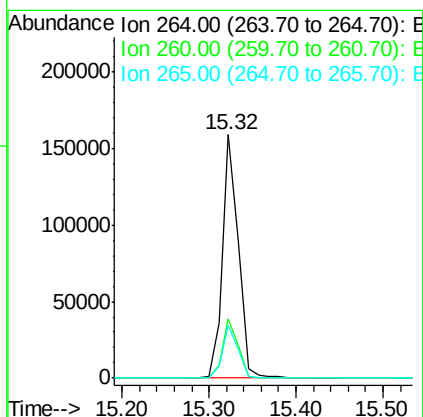
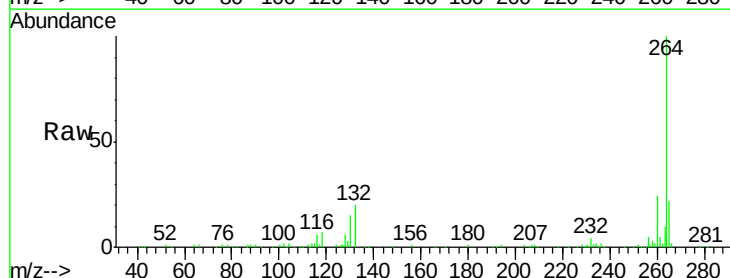
Instrument :
 BNA_F
 ClientSampleId :
 SOIL-2MS

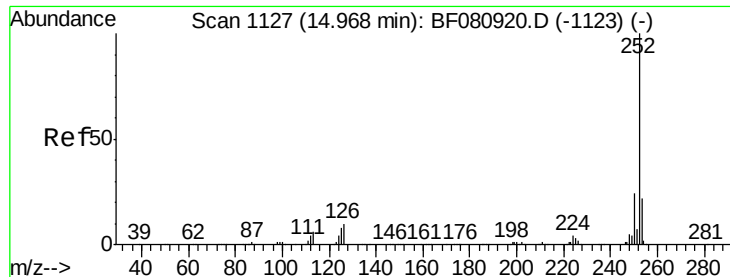
Tot Ion	Ratio	Lower	Upper
276	100		
138	22.6	19.9	29.9
277	24.5	19.7	29.5



#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

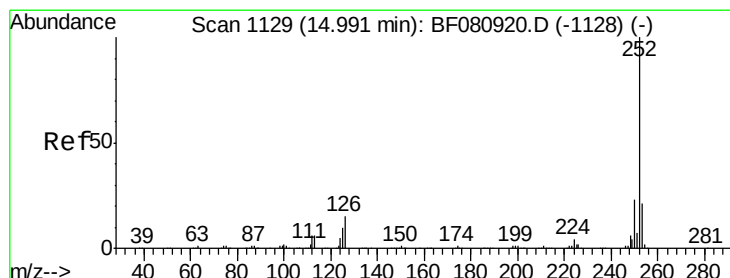
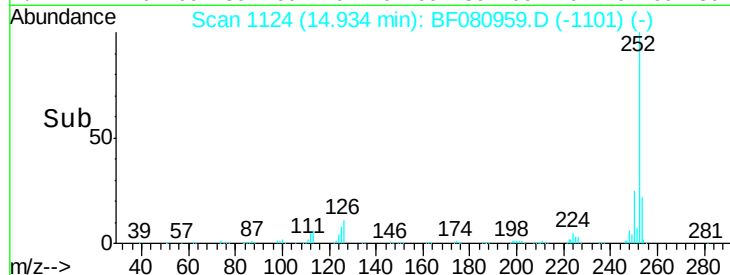
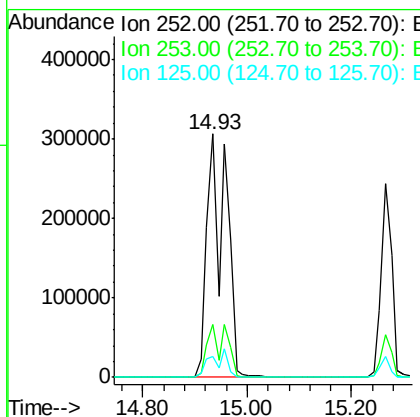
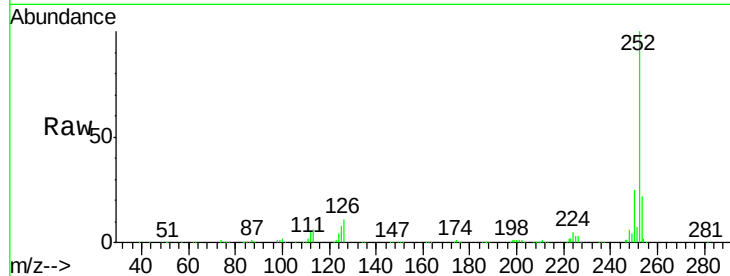




#87
Benzo(b)fluoranthene
Concen: 53.91 ng
RT: 14.93 min Scan# 1124
Delta R.T. -0.03 min
Lab File: BF080959.D
Acq: 10 Aug 2015 19:09

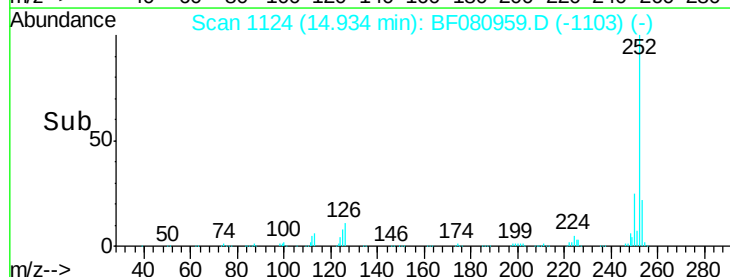
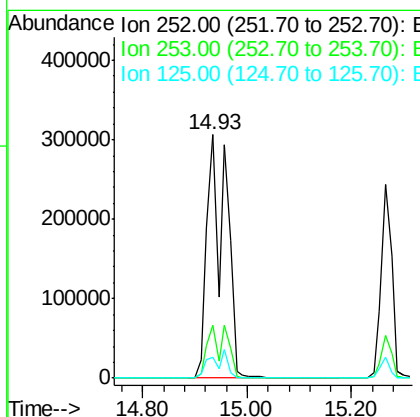
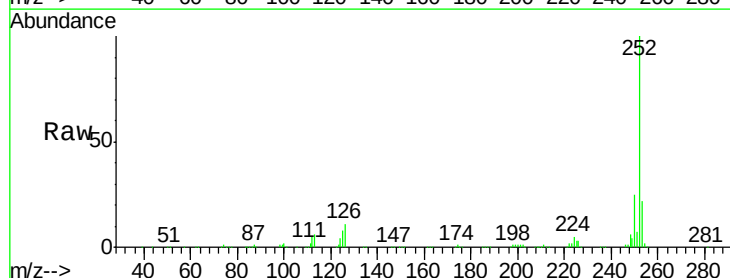
Instrument :
BNA_F
ClientSampleId :
SOIL-2MS

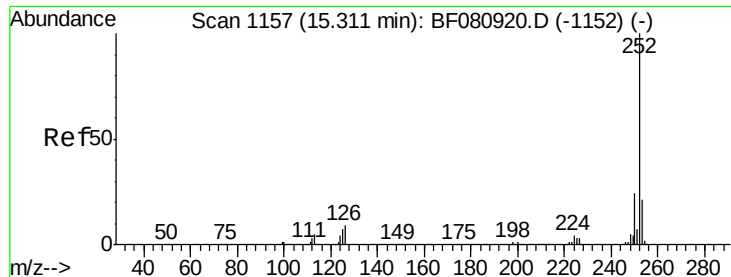
Tot Ion:252 Resp: 760570
Ion Ratio Lower Upper
252 100
253 21.7 17.6 26.4
125 8.4 6.1 9.1



#88
Benzo(k)fluoranthene
Concen: 61.62 ng
RT: 14.93 min Scan# 1124
Delta R.T. -0.06 min
Lab File: BF080959.D
Acq: 10 Aug 2015 19:09

Tgt Ion:252 Resp: 760570
Ion Ratio Lower Upper
252 100
253 21.7 17.4 26.2
125 8.4 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

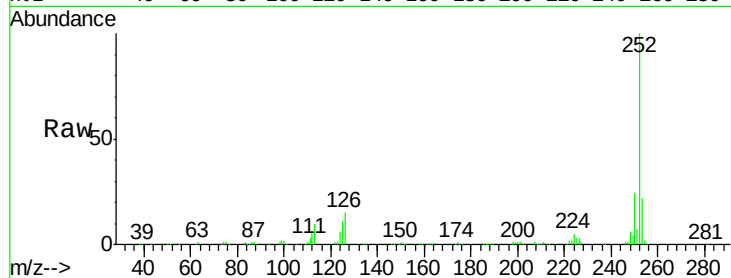
Tot Ion:252 Resp: 350475

Ion Ratio Lower Upper

252 100

253 22.0 16.9 25.3

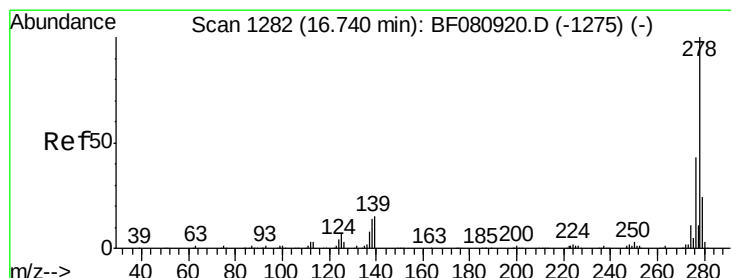
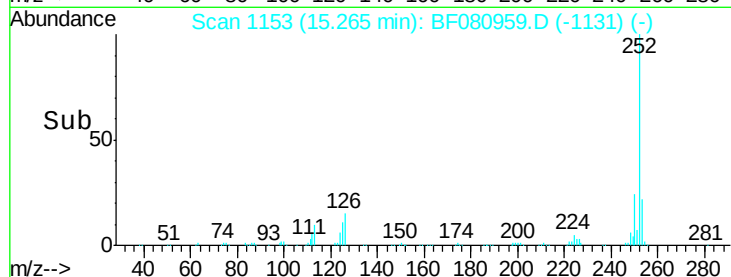
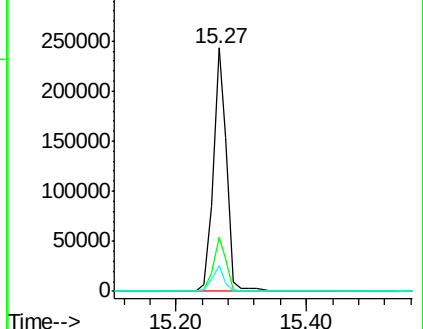
125 10.8 5.8 8.8#



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

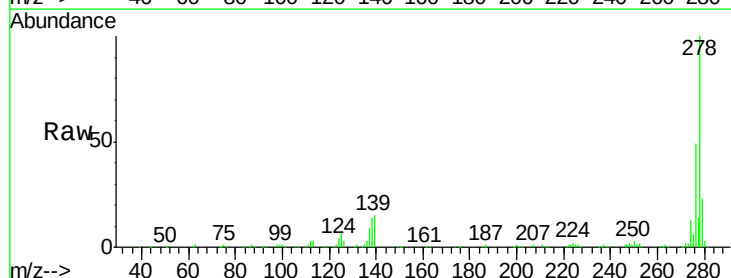
Tgt Ion:278 Resp: 292708

Ion Ratio Lower Upper

278 100

139 15.2 11.9 17.9

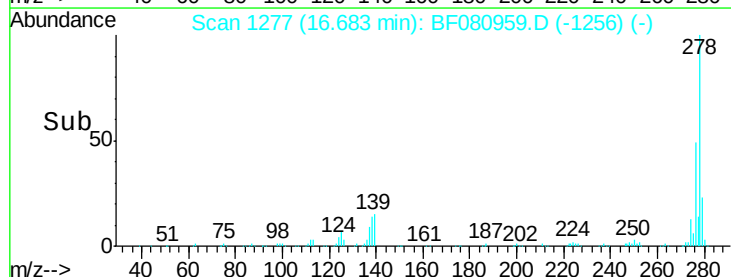
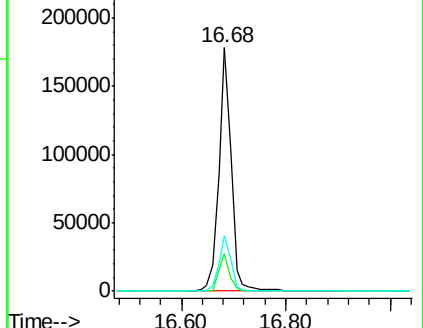
279 22.6 19.0 28.6

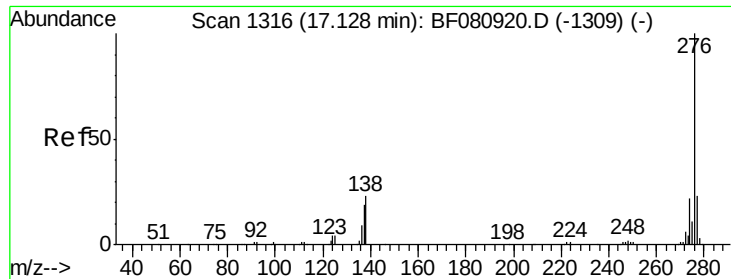


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

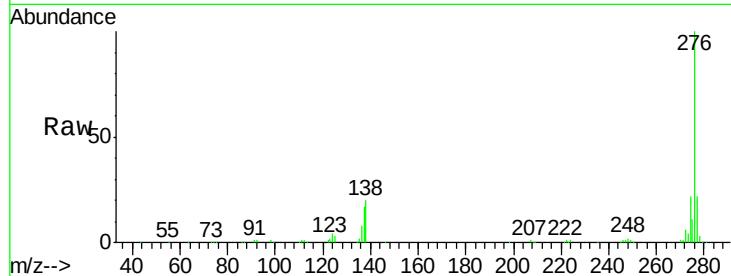




#91
 Benzo(a,h,i)perylene
 Concen: 27.17 ng
 RT: 17.07 min Scan# 1311
 Delta R.T. -0.06 min
 Lab File: BF080959.D
 Acq: 10 Aug 2015 19:09

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-2MS

Tot 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

