

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF040115\
 Data File : BF078163.D
 Acq On : 1 Apr 2015 20:31
 Operator : TP/IZ
 Sample : G1614-04
 Misc : LOQ-SOIL-20PPM
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2015-02

Quant Time: Apr 02 03:43:36 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 02 04:05:08 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.01	152	33795	20.00	ng	0.00
21) Naphthalene-d8	8.59	136	140439	20.00	ng	0.00
38) Acenaphthene-d10	10.76	164	71017	20.00	ng	0.00
63) Phenanthrene-d10	12.59	188	137635	20.00	ng	0.00
75) Chrysene-d12	15.87	240	139888	20.00	ng	0.00
86) Perylene-d12	17.65	264	135123	20.00	ng	0.07

System Monitoring Compounds

5) 2-Fluorophenol	5.30	112	335774	163.82	ng	0.00
7) Phenol-d6	6.60	99	418287	162.84	ng	0.00
23) Nitrobenzene-d5	7.71	82	238872	103.10	ng	0.00
41) 2,4,6-Tribromophenol	11.74	330	107256	182.10	ng	0.00
44) 2-Fluorobiphenyl	9.94	172	521275	104.92	ng	0.00
78) Terphenyl-d14	14.59	244	613878	99.16	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	1.88	88	17184	18.54	ng	99
3) Pyridine	2.54	79	45038	18.55	ng	97
4) n-Nitrosodimethylamine	2.46	42	13336	14.27	ng	90
6) Aniline	6.61	93	40295	11.06	ng	# 40
8) 2-Chlorophenol	6.75	128	52954	21.85	ng	98
9) Benzaldehyde	6.46	77	38170	22.42	ng	94
10) Phenol	6.62	94	63178	20.53	ng	98
11) bis(2-Chloroethyl)ether	6.72	93	50701	22.91	ng	100
12) 1,3-Dichlorobenzene	6.93	146	54431	20.44	ng	98
13) 1,4-Dichlorobenzene	7.04	146	55880	20.85	ng	100
14) 1,2-Dichlorobenzene	7.22	146	53918	21.46	ng	98
15) Benzyl Alcohol	7.21	79	40401	22.38	ng	96
16) 2,2'-oxybis(1-Chloropropan	7.39	45	63909	21.65	ng	100
17) 2-Methylphenol	7.37	107	41284	21.94	ng	98
18) Hexachloroethane	7.64	117	18317	20.27	ng	97
19) n-Nitroso-di-n-propylamine	7.54	70	33724	19.90	ng	# 85
20) 3+4-Methylphenols	7.56	107	54527	21.72	ng	98
22) Acetophenone	7.53	105	70972	21.69	ng	# 89
24) Nitrobenzene	7.73	77	49438	20.41	ng	# 81
25) Isophorone	8.04	82	91147	20.73	ng	98
26) 2-Nitrophenol	8.13	139	23322	20.21	ng	96
27) 2,4-Dimethylphenol	8.21	122	44734	20.84	ng	99
28) bis(2-Chloroethoxy)methane	8.33	93	59209	21.00	ng	100
29) 2,4-Dichlorophenol	8.44	162	41035	21.01	ng	99
30) 1,2,4-Trichlorobenzene	8.53	180	45571	20.35	ng	100
31) Naphthalene	8.62	128	148882	20.37	ng	99
32) Benzoic acid	8.32	122	16160	19.87	ng	97
33) 4-Chloroaniline	8.70	127	43488	14.34	ng	98
34) Hexachlorobutadiene	8.77	225	24647	20.05	ng	97
35) Caprolactam	9.12	113	12571	21.57	ng	# 87
36) 4-Chloro-3-methylphenol	9.32	107	43897	22.28	ng	95
37) 2-Methylnaphthalene	9.48	142	104710	21.10	ng	99
39) 1,2,4,5-Tetrachlorobenzene	9.69	216	45159	20.52	ng	99
40) Hexachlorocyclopentadiene	9.68	237	15769	20.62	ng	99

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF040115\
 Data File : BF078163.D
 Acq On : 1 Apr 2015 20:31
 Operator : TP/IZ
 Sample : G1614-04
 Misc : LOQ-SOIL-20PPM
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2015-02

Quant Time: Apr 02 03:43:36 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 02 04:05:08 2015
 Response via : Initial Calibration

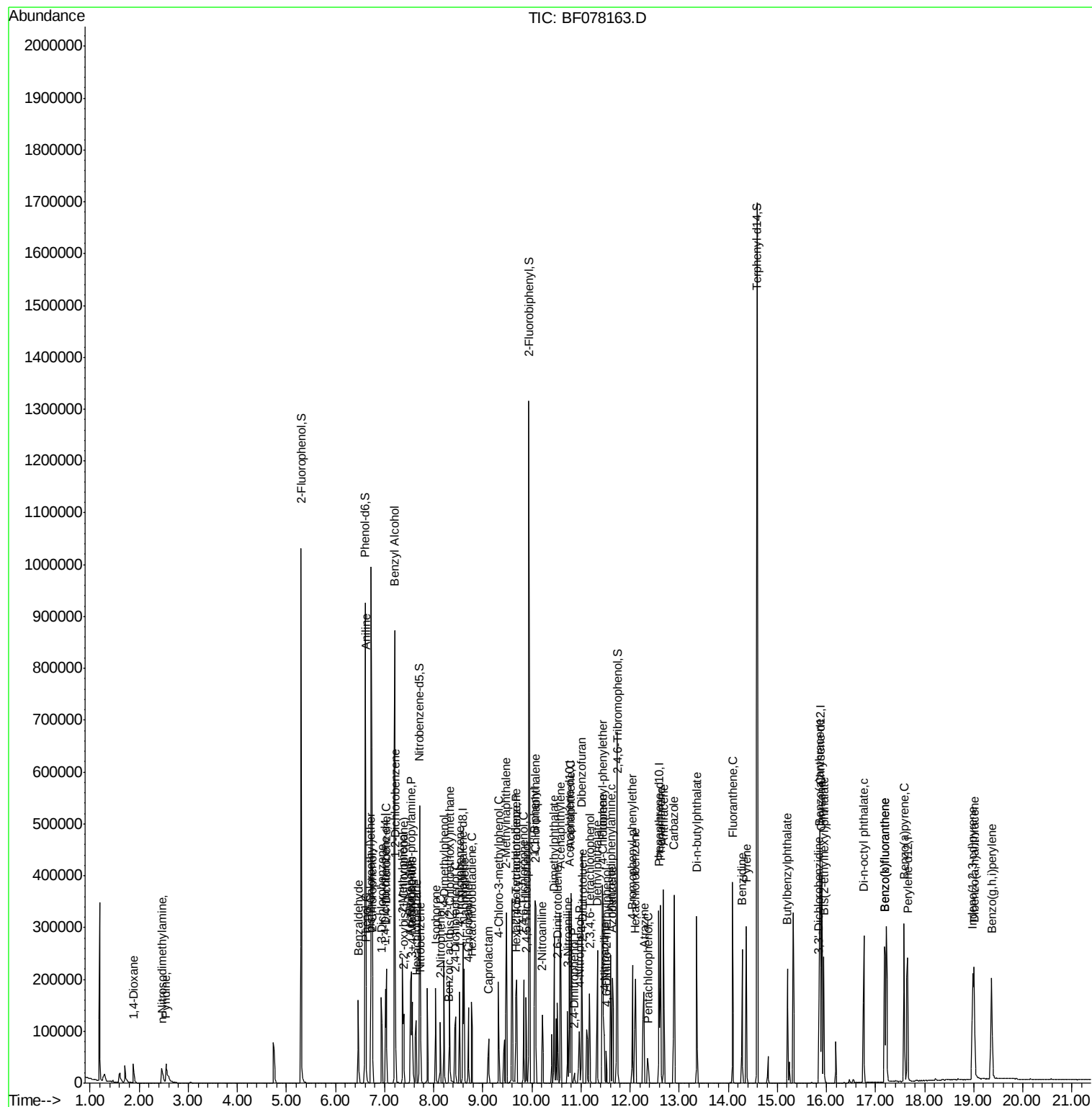
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.84	196	29939	21.57	ng	98
43) 2,4,5-Trichlorophenol	9.88	196	30430	20.99	ng	97
45) 1,1'-Biphenyl	10.06	154	122972	21.17	ng	100
46) 2-Chloronaphthalene	10.08	162	99261	21.72	ng	99
47) 2-Nitroaniline	10.21	65	23907	21.14	ng	91
48) Acenaphthylene	10.58	152	154006	20.87	ng	99
49) Dimethylphthalate	10.45	163	116556	21.85	ng	99
50) 2,6-Dinitrotoluene	10.52	165	23857	21.73	ng	# 53
51) Acenaphthene	10.80	154	88111	21.20	ng	99
52) 3-Nitroaniline	10.73	138	24344	19.50	ng	95
53) 2,4-Dinitrophenol	10.86	184	3941	19.55	ng	93
54) Dibenzofuran	11.01	168	145992	23.00	ng	98
55) 4-Nitrophenol	10.97	139	16106	19.68	ng	90
56) 2,4-Dinitrotoluene	11.02	165	31275	22.00	ng	97
57) Fluorene	11.44	166	113575	22.08	ng	99
58) 2,3,4,6-Tetrachlorophenol	11.17	232	24440	22.74	ng	100
59) Diethylphthalate	11.33	149	110229	21.43	ng	98
60) 4-Chlorophenyl-phenylether	11.45	204	52013	21.98	ng	# 70
61) 4-Nitroaniline	11.48	138	25045	19.85	ng	97
62) Azobenzene	11.64	77	106455	22.67	ng	98
64) 4,6-Dinitro-2-methylphenol	11.52	198	10403	21.07	ng	91
65) n-Nitrosodiphenylamine	11.61	169	95920	20.15	ng	98
66) 4-Bromophenyl-phenylether	12.05	248	31384	21.53	ng	97
67) Hexachlorobenzene	12.11	284	33419	20.92	ng	97
68) Atrazine	12.28	200	29576	21.45	ng	97
69) Pentachlorophenol	12.37	266	9469	19.83	ng	95
70) Phenanthrene	12.63	178	166388	20.90	ng	98
71) Anthracene	12.68	178	169621	21.62	ng	100
72) Carbazole	12.90	167	156255	21.25	ng	99
73) Di-n-butylphthalate	13.36	149	174551	20.96	ng	99
74) Fluoranthene	14.09	202	178061	21.21	ng	96
76) Benzidine	14.28	184	103302	18.21	ng	98
77) Pyrene	14.37	202	191514	21.81	ng	99
79) Butylbenzylphthalate	15.21	149	69605	20.80	ng	98
80) Benzo(a)anthracene	15.86	228	174817	21.00	ng	100
81) 3,3'-Dichlorobenzidine	15.85	252	31863	11.43	ng	# 95
82) Chrysene	15.91	228	166485	21.29	ng	100
83) Bis(2-ethylhexyl)phthalate	15.95	149	111978	21.33	ng	99
84) Di-n-octyl phthalate	16.76	149	178527	20.71	ng	# 100
85) Indeno(1,2,3-cd)pyrene	18.98	276	181354	20.44	ng	# 85
87) Benzo(b)fluoranthene	17.20	252	168343	20.16	ng	99
88) Benzo(k)fluoranthene	17.20	252	168331	22.68	ng	# 93
89) Benzo(a)pyrene	17.59	252	159126	21.83	ng	98
90) Dibenzo(a,h)anthracene	19.01	278	146593	20.09	ng	98
91) Benzo(g,h,i)perylene	19.37	276	152379	20.83	ng	98

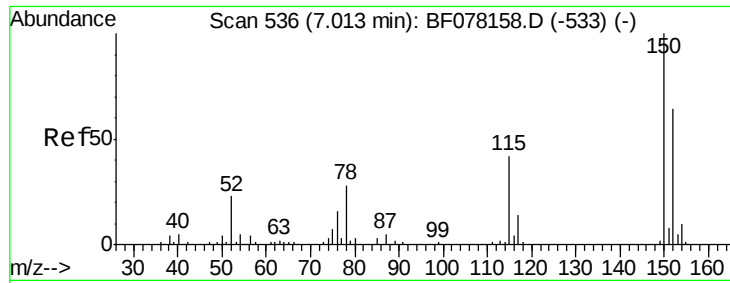
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF040115\
Data File : BF078163.D
Acq On : 1 Apr 2015 20:31
Operator : TP/IZ
Sample : G1614-04
Misc : LOQ-SOIL-20PPM
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2015-02

Quant Time: Apr 02 03:43:36 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 02 04:05:08 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.01 min Scan# 536

Delta R.T. -0.00 min

Lab File: BF078163.D

Acq: 1 Apr 2015 20:31

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2015-02

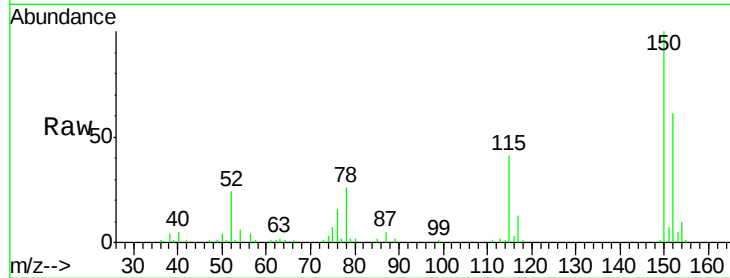
Tgt Ion:152 Resp: 33795

Ion Ratio Lower Upper

152 100

150 163.6 125.9 188.9

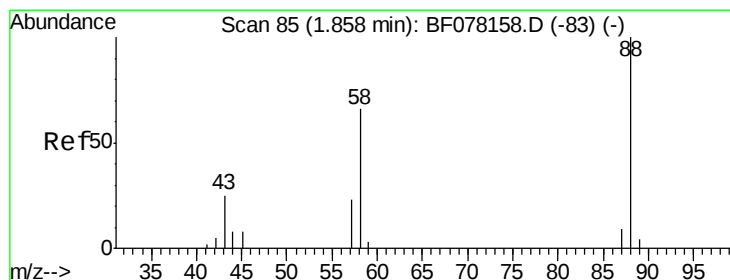
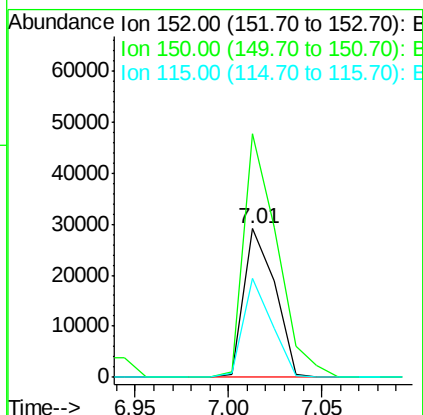
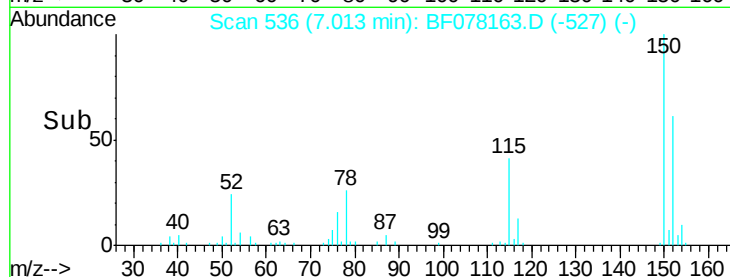
115 66.6 52.7 79.1



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: 18.54 ng

RT: 1.88 min Scan# 87

Delta R.T. 0.02 min

Lab File: BF078163.D

Acq: 1 Apr 2015 20:31

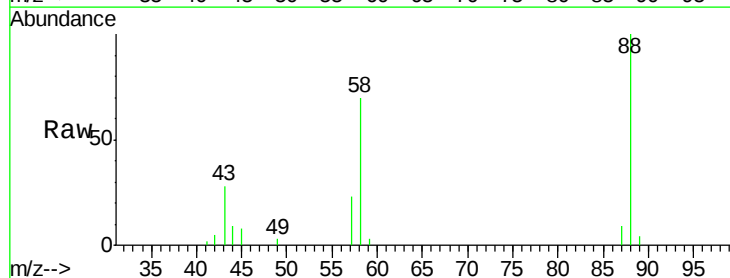
Tgt Ion: 88 Resp: 17184

Ion Ratio Lower Upper

88 100

58 71.1 56.9 85.3

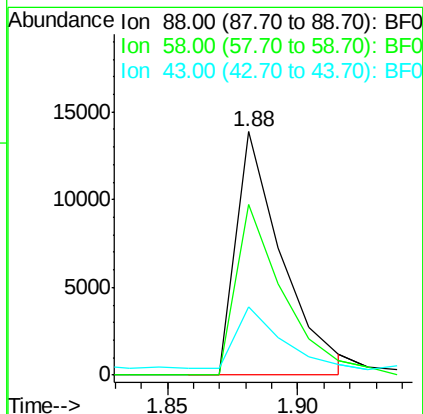
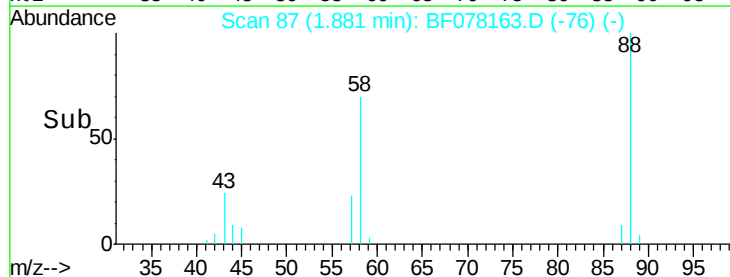
43 25.2 21.4 32.2

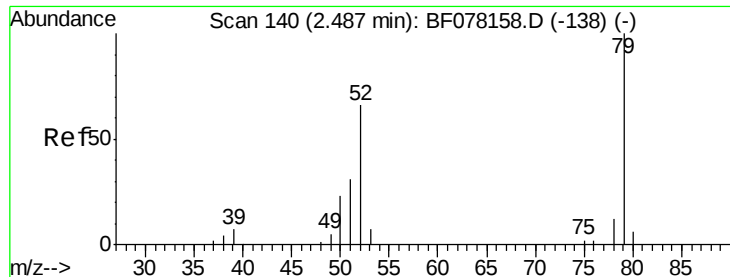


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0

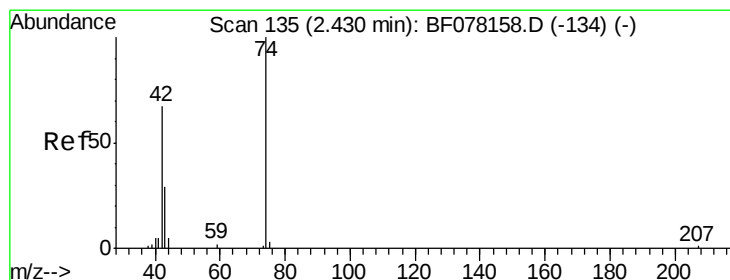
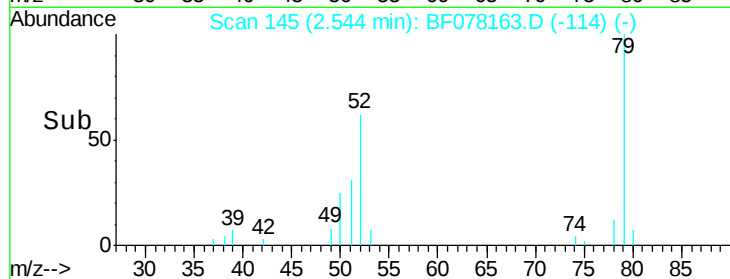
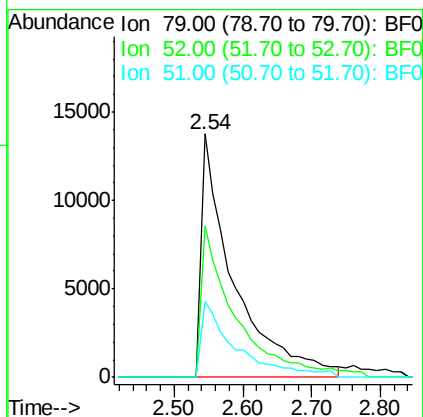
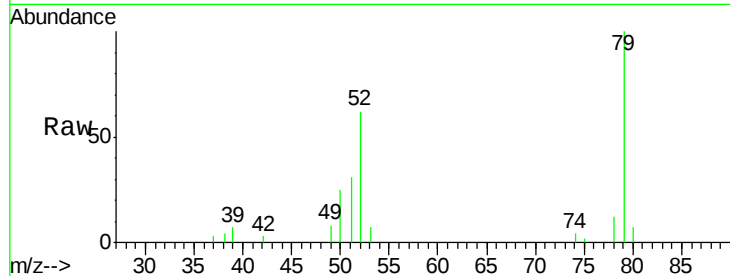




#3
 Pyridine
 Concen: 18.55 ng
 RT: 2.54 min Scan# 145
 Delta R.T. 0.06 min
 Lab File: BF078163.D
 Acq: 1 Apr 2015 20:31

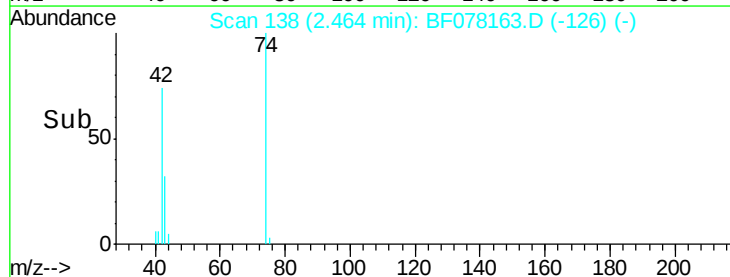
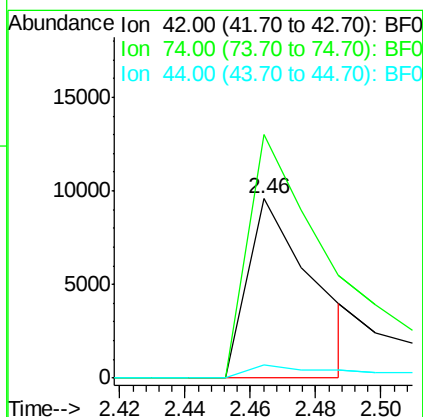
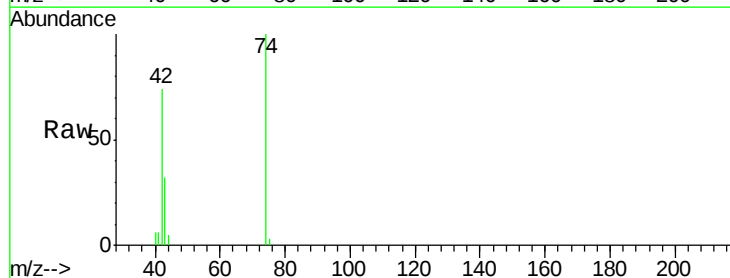
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2015-02

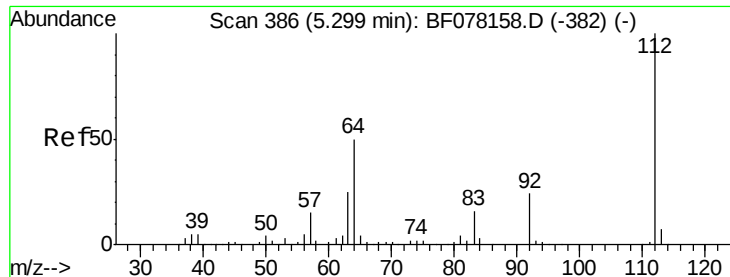
Tgt Ion: 79 Resp: 45038
 Ion Ratio Lower Upper
 79 100
 52 61.9 52.4 78.6
 51 31.1 24.9 37.3



#4
 n-Nitrosodimethylamine
 Concen: 14.27 ng
 RT: 2.46 min Scan# 138
 Delta R.T. 0.04 min
 Lab File: BF078163.D
 Acq: 1 Apr 2015 20:31

Tgt Ion: 42 Resp: 13336
 Ion Ratio Lower Upper
 42 100
 74 135.7 118.7 178.1
 44 7.1 5.9 8.9

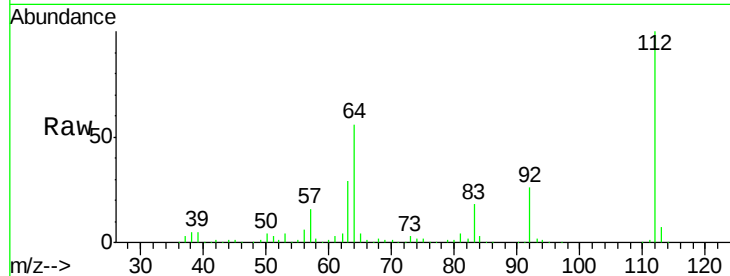




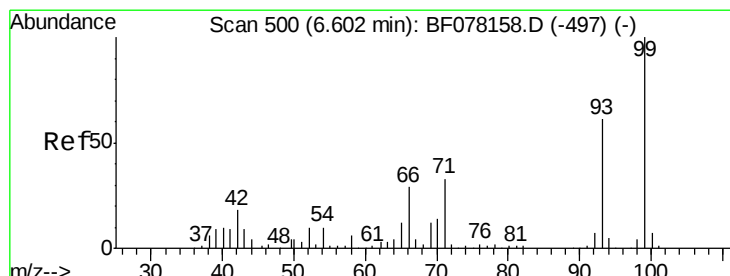
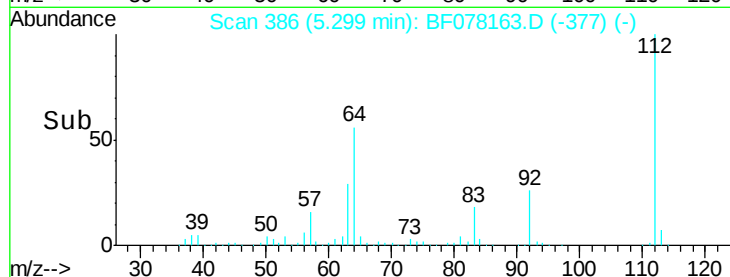
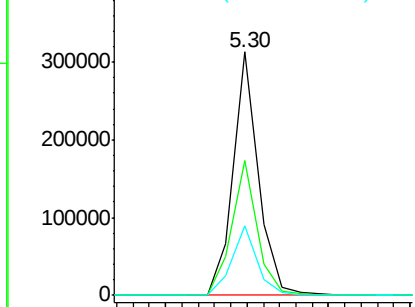
#5
 2-Fluorophenol
 Concen: 163.82 ng
 RT: 5.30 min Scan# 386
 Delta R.T. -0.00 min
 Lab File: BF078163.D
 Acq: 1 Apr 2015 20:31

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2015-02

Tgt Ion: 112 Resp: 335774
 Ion Ratio Lower Upper
 112 100
 64 55.6 39.9 59.9
 63 28.7 20.2 30.4

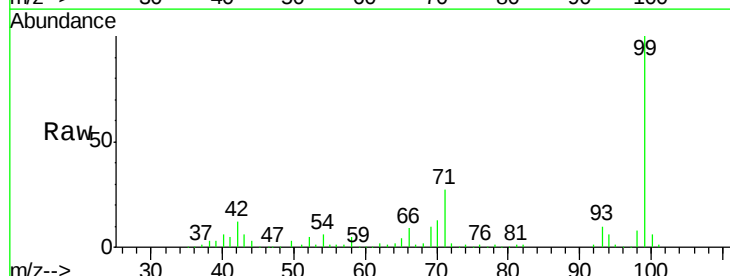


Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BF0
 Ion 63.00 (62.70 to 63.70): BF0

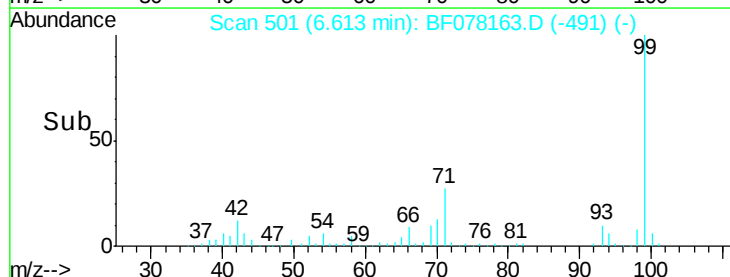
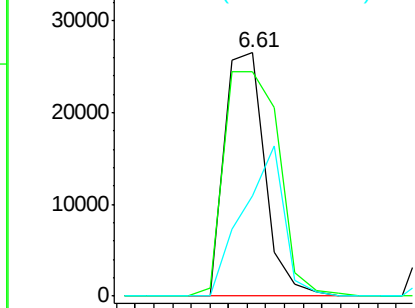


#6
 Aniline
 Concen: 11.06 ng
 RT: 6.61 min Scan# 501
 Delta R.T. 0.01 min
 Lab File: BF078163.D
 Acq: 1 Apr 2015 20:31

Tgt Ion: 93 Resp: 40295
 Ion Ratio Lower Upper
 93 100
 66 92.3 38.0 57.0#
 65 41.1 16.3 24.5#



Abundance Ion 93.00 (92.70 to 93.70): BF0
 Ion 66.00 (65.70 to 66.70): BF0
 Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 162.84 ng

RT: 6.60 min Scan# 500

Delta R.T. -0.00 min

Lab File: BF078163.D

Acq: 1 Apr 2015 20:31

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2015-02

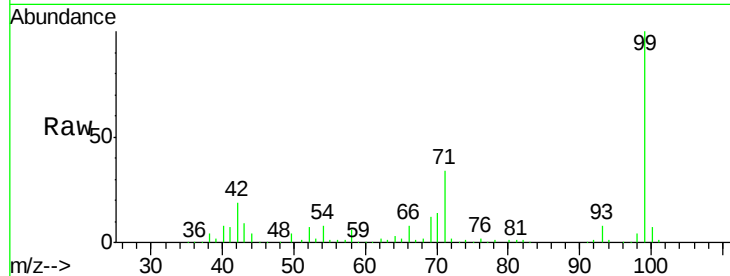
Tgt Ion: 99 Resp: 418287

Ion Ratio Lower Upper

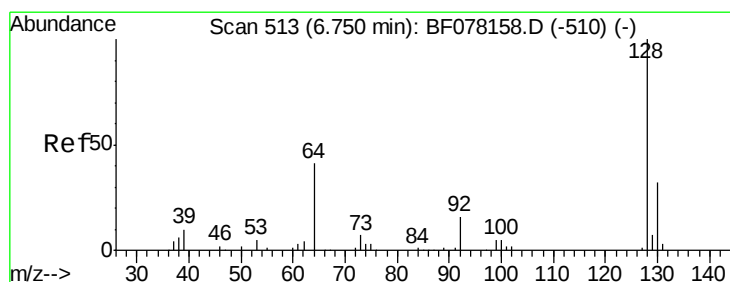
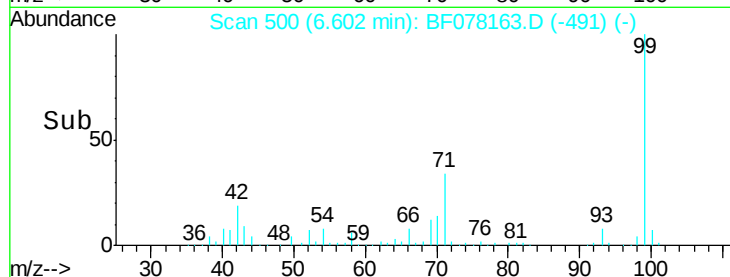
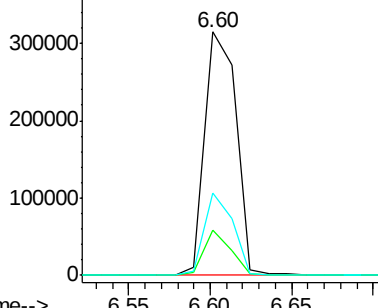
99 100

42 18.7 14.8 22.2

71 33.6 26.6 39.8



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: 21.85 ng

RT: 6.75 min Scan# 513

Delta R.T. -0.00 min

Lab File: BF078163.D

Acq: 1 Apr 2015 20:31

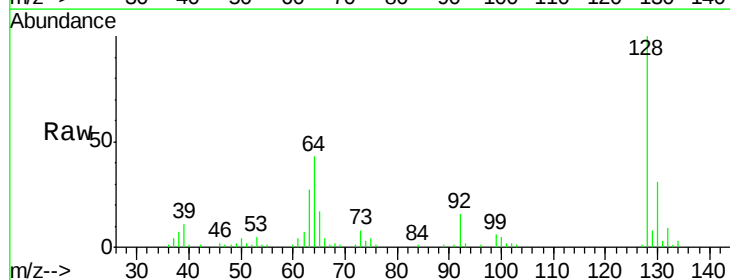
Tgt Ion: 128 Resp: 52954

Ion Ratio Lower Upper

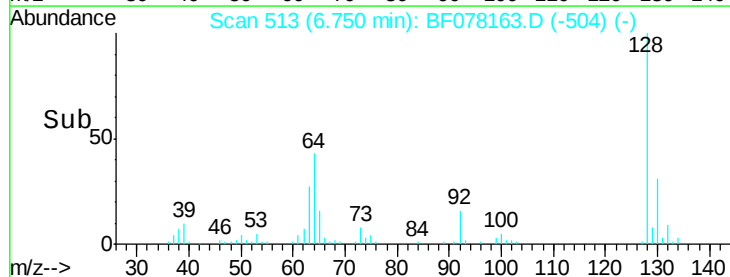
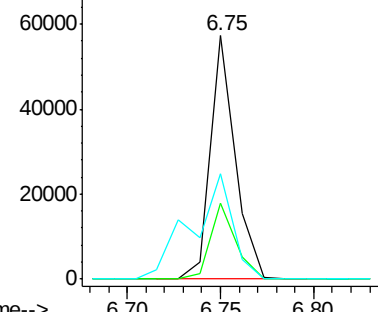
128 100

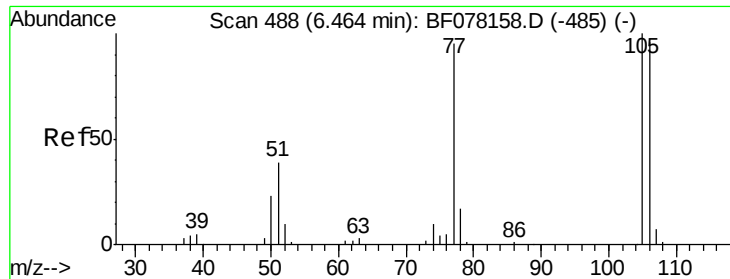
130 31.1 12.3 52.3

64 43.1 23.8 63.8



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: 22.42 ng

RT: 6.46 min Scan# 488

Delta R.T. -0.00 min

Lab File: BF078163.D

Acq: 1 Apr 2015 20:31

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2015-02

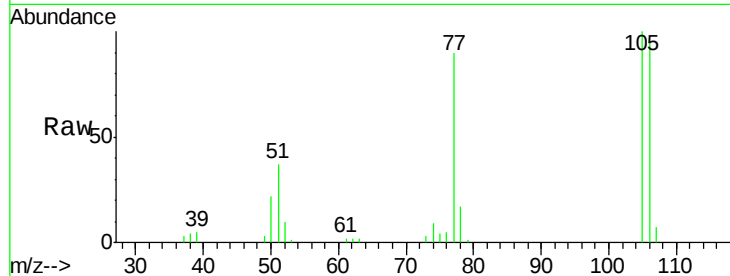
Tgt Ion: 77 Resp: 38170

Ion Ratio Lower Upper

77 100

105 111.4 85.4 125.4

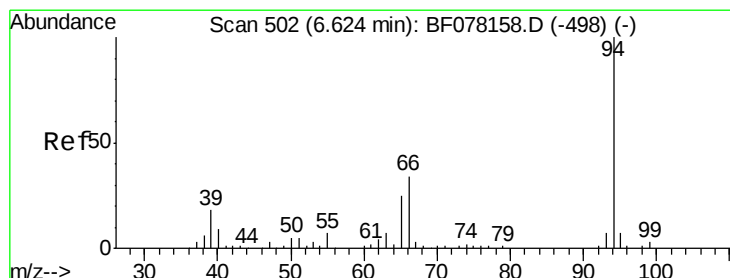
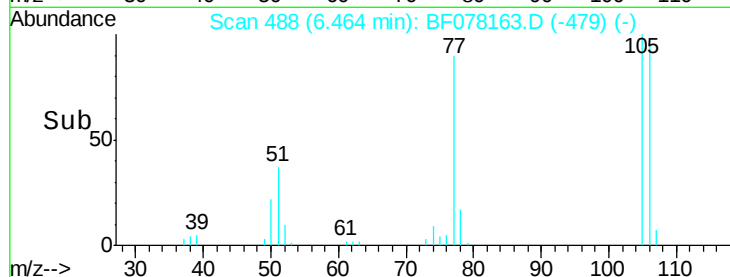
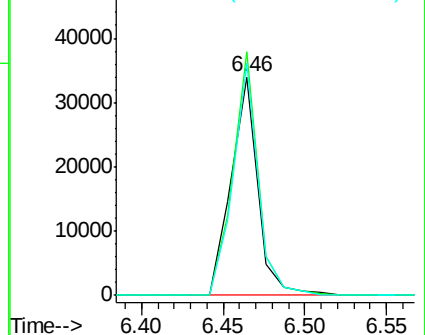
106 106.2 80.8 120.8



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: 20.53 ng

RT: 6.62 min Scan# 502

Delta R.T. -0.00 min

Lab File: BF078163.D

Acq: 1 Apr 2015 20:31

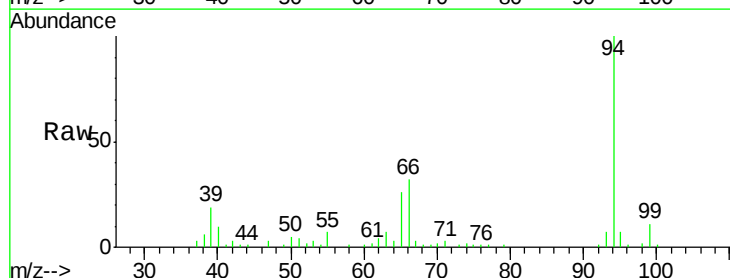
Tgt Ion: 94 Resp: 63178

Ion Ratio Lower Upper

94 100

65 25.6 4.9 44.9

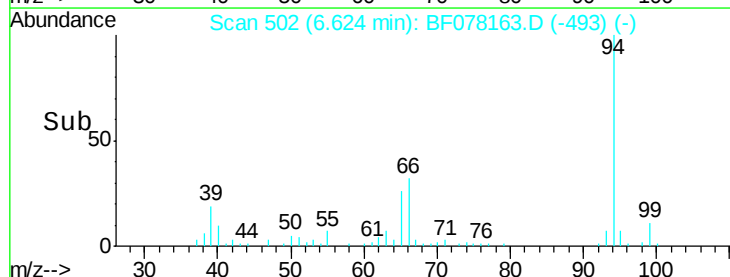
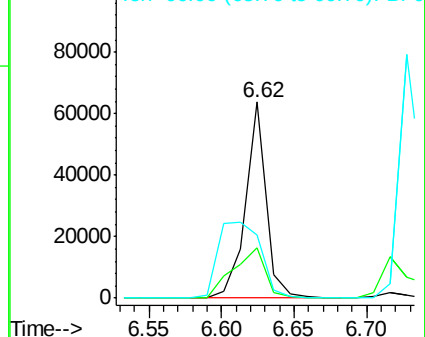
66 32.2 13.8 53.8

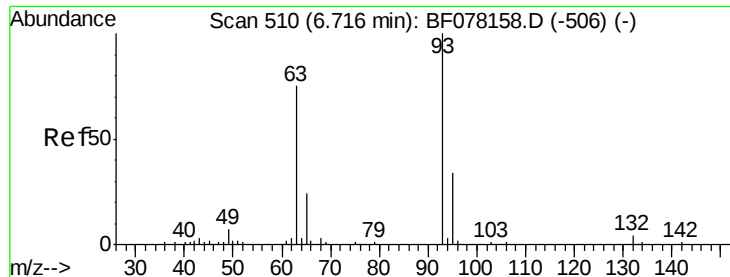


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#11

bis(2-Chloroethyl)ether

Concen: 22.91 ng

RT: 6.72 min Scan# 510

Delta R.T. -0.00 min

Lab File: BF078163.D

Acq: 1 Apr 2015 20:31

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2015-02

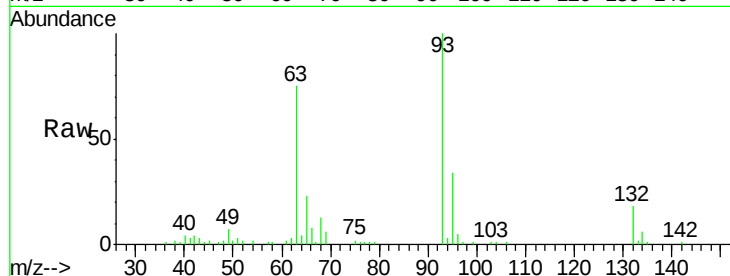
Tgt Ion: 93 Resp: 50701

Ion Ratio Lower Upper

93 100

63 74.9 54.6 94.6

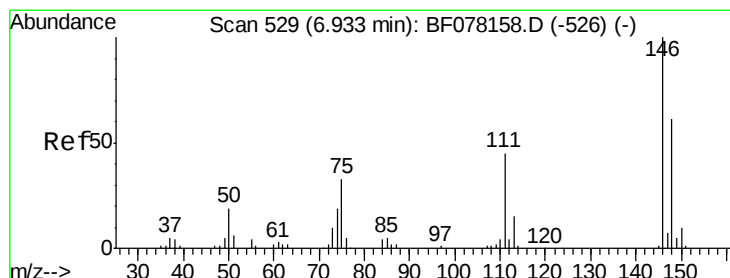
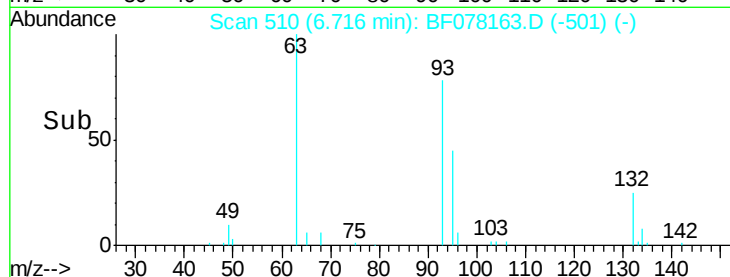
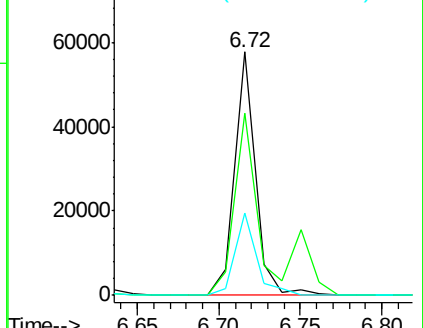
95 33.7 13.6 53.6



Abundance Ion 93.00 (92.70 to 93.70): BF078158.D (-506) (-)

Ion 63.00 (62.70 to 63.70): BF078158.D (-506) (-)

Ion 95.00 (94.70 to 95.70): BF078158.D (-506) (-)



#12

1,3-Dichlorobenzene

Concen: 20.44 ng

RT: 6.93 min Scan# 529

Delta R.T. -0.00 min

Lab File: BF078163.D

Acq: 1 Apr 2015 20:31

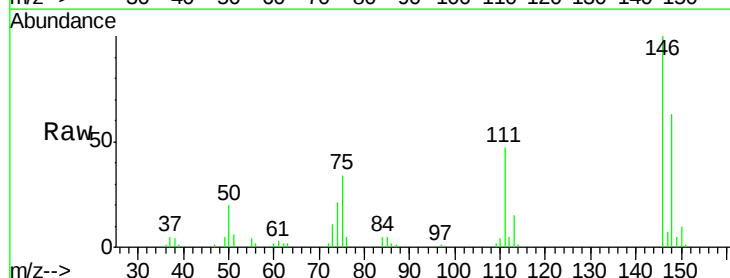
Tgt Ion: 146 Resp: 54431

Ion Ratio Lower Upper

146 100

148 63.1 49.1 73.7

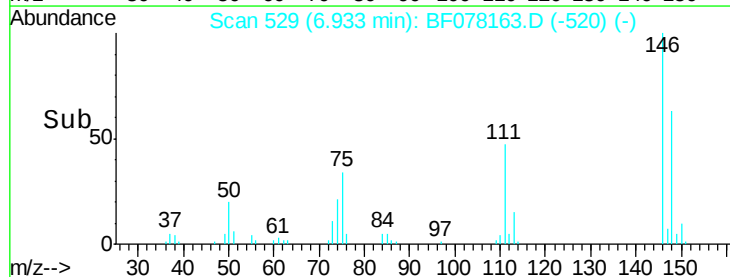
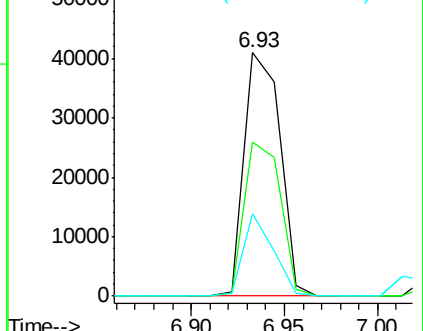
75 34.1 26.6 40.0

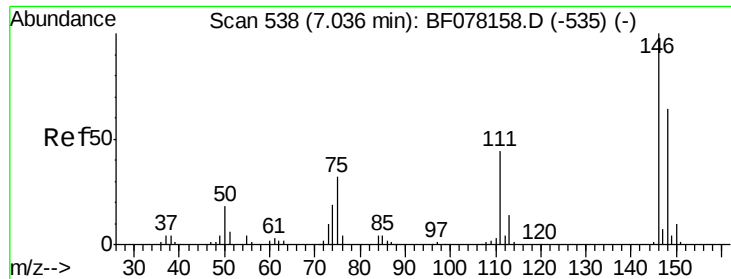


Abundance Ion 146.00 (145.70 to 146.70): BF078158.D (-526) (-)

Ion 148.00 (147.70 to 148.70): BF078158.D (-526) (-)

Ion 75.00 (74.70 to 75.70): BF078158.D (-526) (-)

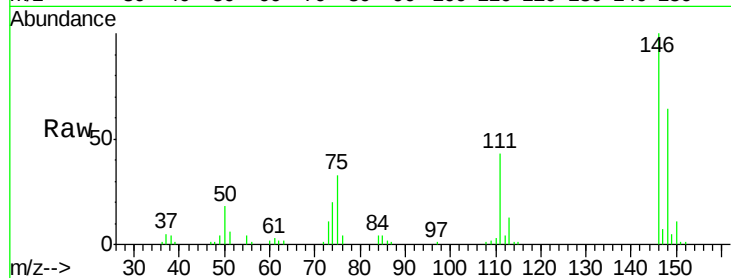




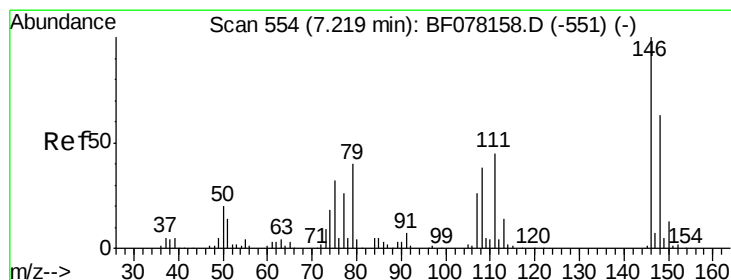
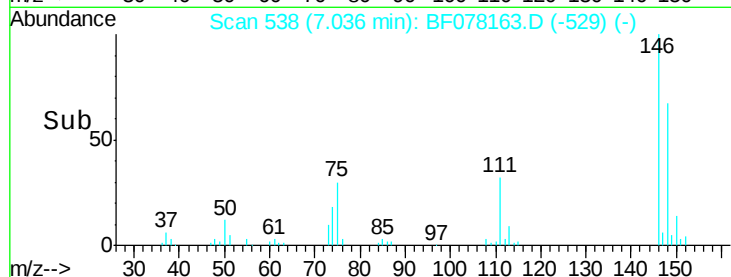
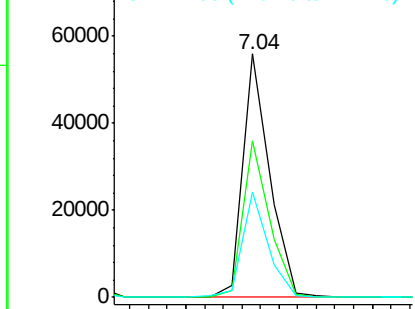
#13
 1,4-Dichlorobenzene
 Concen: 20.85 ng
 RT: 7.04 min Scan# 538
 Delta R.T. -0.00 min
 Lab File: BF078163.D
 Acq: 1 Apr 2015 20:31

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2015-02

Tgt Ion:146 Resp: 55880
 Ion Ratio Lower Upper
 146 100
 148 64.1 51.4 77.0
 111 43.2 35.0 52.4

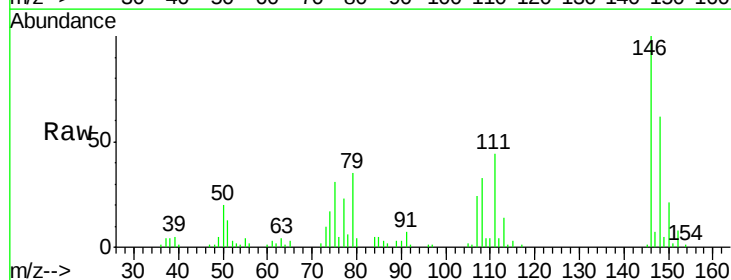


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

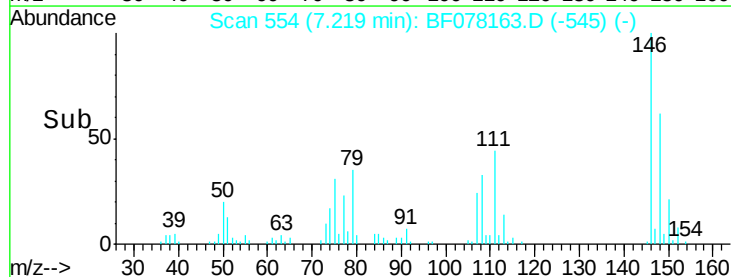
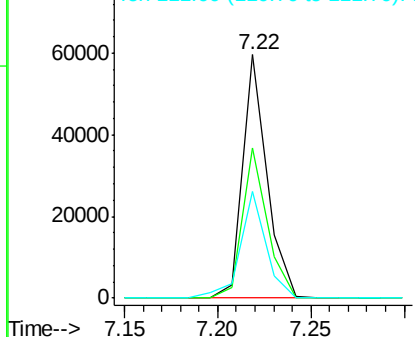


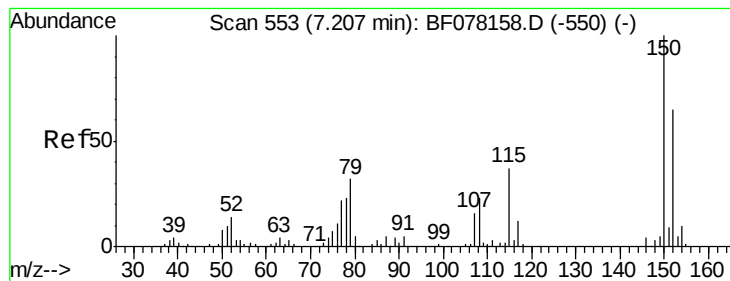
#14
 1,2-Dichlorobenzene
 Concen: 21.46 ng
 RT: 7.22 min Scan# 554
 Delta R.T. -0.00 min
 Lab File: BF078163.D
 Acq: 1 Apr 2015 20:31

Tgt Ion:146 Resp: 53918
 Ion Ratio Lower Upper
 146 100
 148 61.8 50.2 75.4
 111 43.8 36.1 54.1



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





#15

Benzyl Alcohol

Concen: 22.38 ng

RT: 7.21 min Scan# 553

Delta R.T. -0.00 min

Lab File: BF078163.D

Acq: 1 Apr 2015 20:31

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2015-02

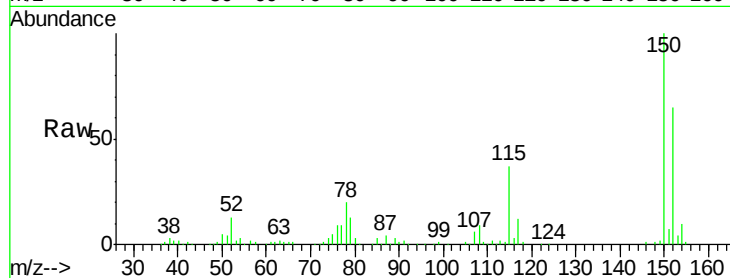
Tgt Ion: 79 Resp: 40401

Ion Ratio Lower Upper

79 100

108 69.4 57.6 86.4

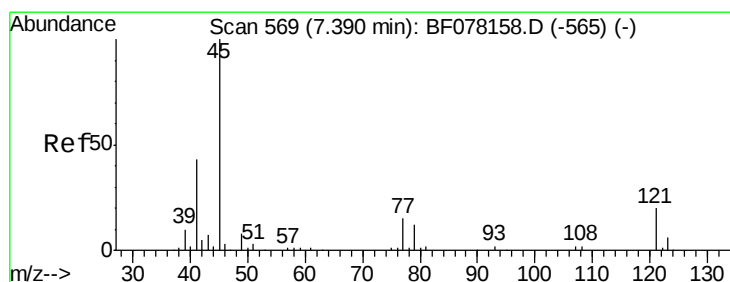
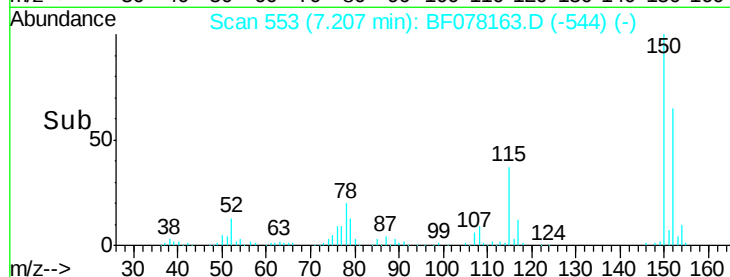
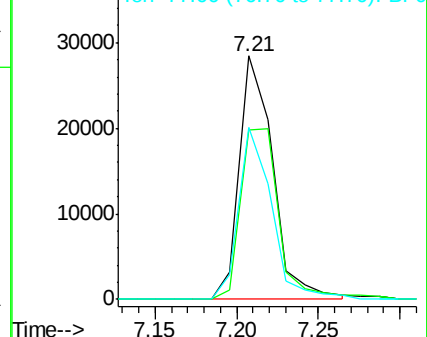
77 70.5 53.5 80.3



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0



#16

2,2'-oxybis(1-Chloropropane)

Concen: 21.65 ng

RT: 7.39 min Scan# 569

Delta R.T. -0.00 min

Lab File: BF078163.D

Acq: 1 Apr 2015 20:31

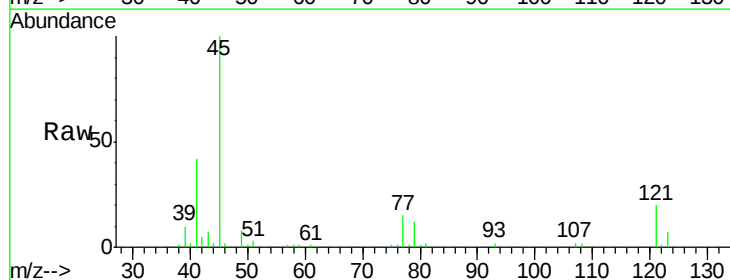
Tgt Ion: 45 Resp: 63909

Ion Ratio Lower Upper

45 100

77 14.6 0.0 34.5

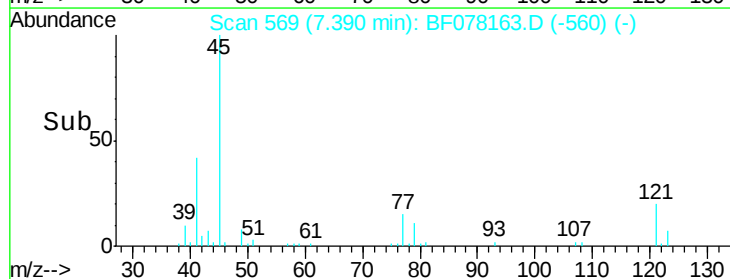
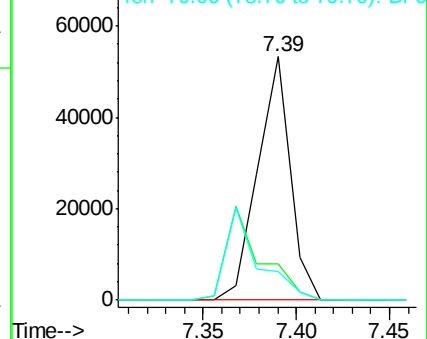
79 11.9 0.0 31.9

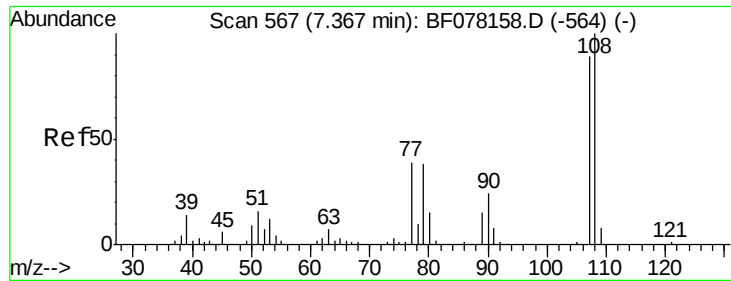


Abundance Ion 45.00 (44.70 to 45.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0

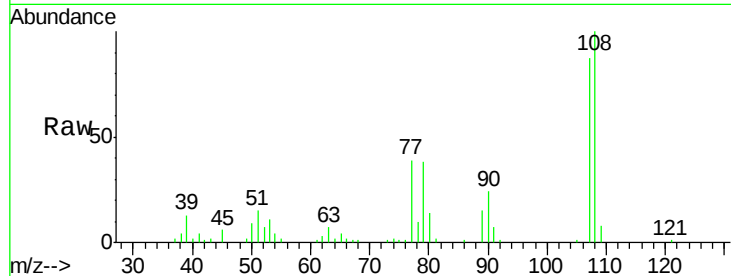




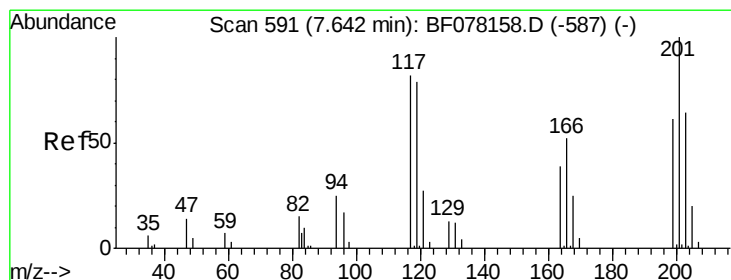
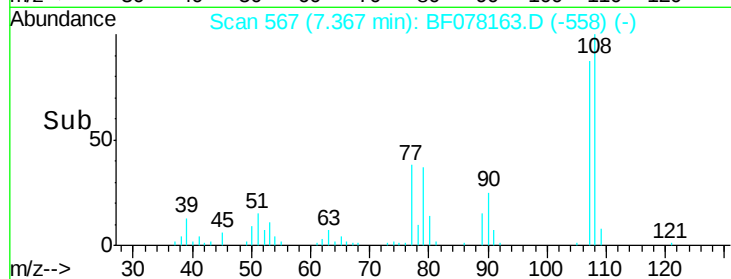
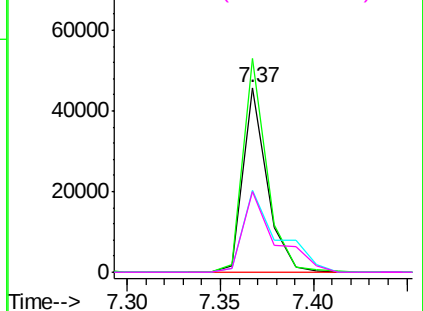
#17
2-Methylphenol
Concen: 21.94 ng
RT: 7.37 min Scan# 567
Delta R.T. -0.00 min
Lab File: BF078163.D
Acq: 1 Apr 2015 20:31

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2015-02

Tgt Ion:107 Resp: 41284
Ion Ratio Lower Upper
107 100
108 115.5 90.3 135.5
77 44.6 35.5 53.3
79 44.0 34.2 51.4

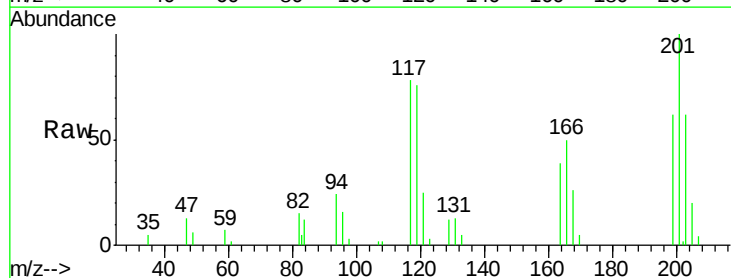


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF0
Ion 79.00 (78.70 to 79.70): BF0

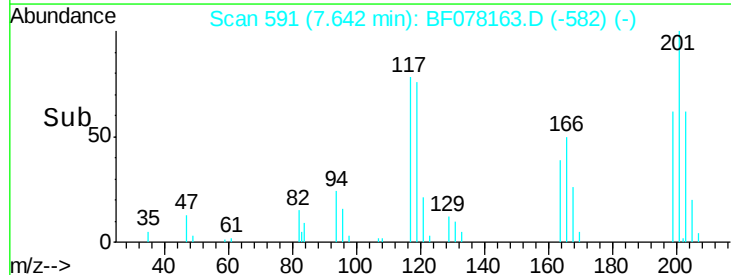
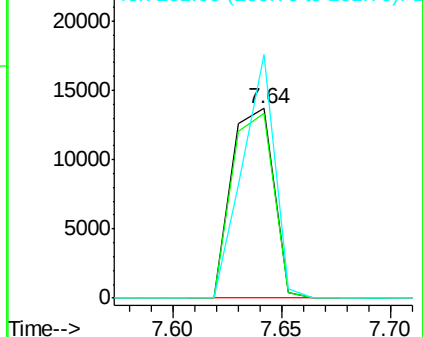


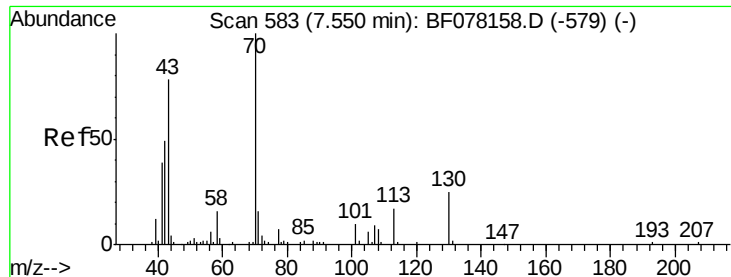
#18
Hexachloroethane
Concen: 20.27 ng
RT: 7.64 min Scan# 591
Delta R.T. -0.00 min
Lab File: BF078163.D
Acq: 1 Apr 2015 20:31

Tgt Ion:117 Resp: 18317
Ion Ratio Lower Upper
117 100
119 97.3 77.0 115.6
201 128.5 98.1 147.1



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

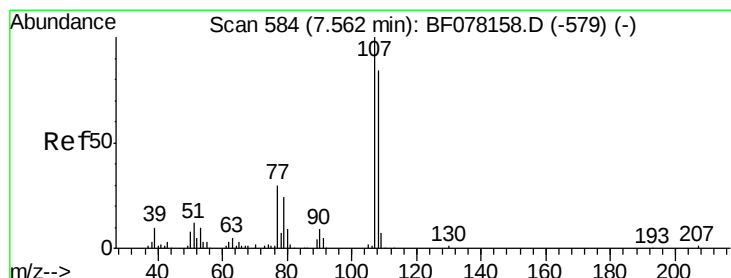
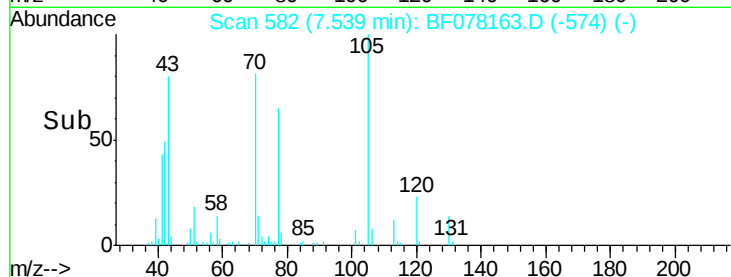
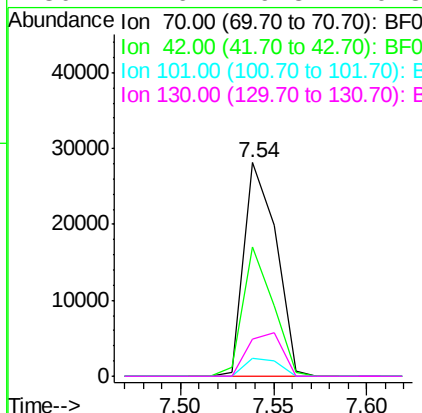
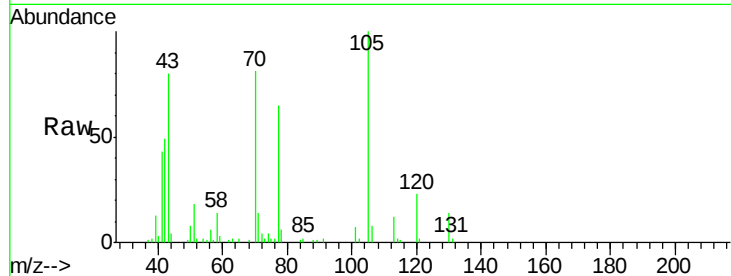




#19
n-Nitroso-di-n-propylamine
Concen: 19.90 ng
RT: 7.54 min Scan# 582
Delta R.T. -0.01 min
Lab File: BF078163.D
Acq: 1 Apr 2015 20:31

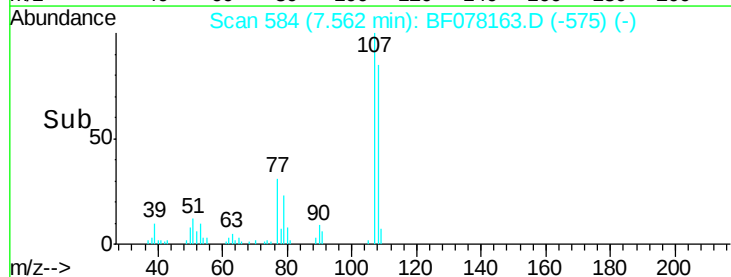
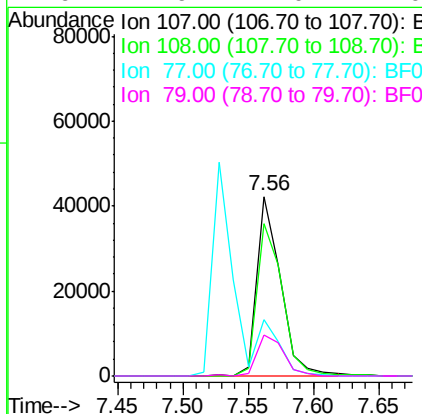
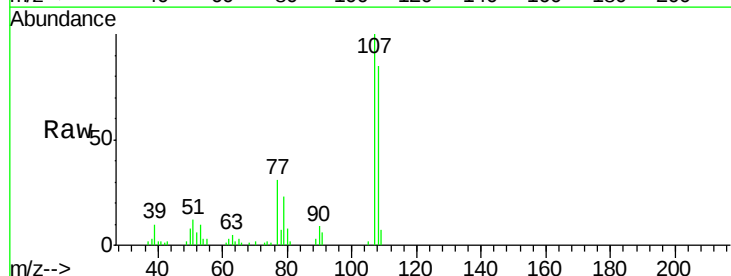
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2015-02

Tgt Ion: 70 Resp: 33724
Ion Ratio Lower Upper
70 100
42 60.7 38.9 58.3#
101 8.5 8.3 12.5
130 17.6 19.8 29.8#



#20
3+4-Methylphenols
Concen: 21.72 ng
RT: 7.56 min Scan# 584
Delta R.T. -0.00 min
Lab File: BF078163.D
Acq: 1 Apr 2015 20:31

Tgt Ion: 107 Resp: 54527
Ion Ratio Lower Upper
107 100
108 85.3 64.4 104.4
77 31.2 9.7 49.7
79 22.9 4.0 44.0

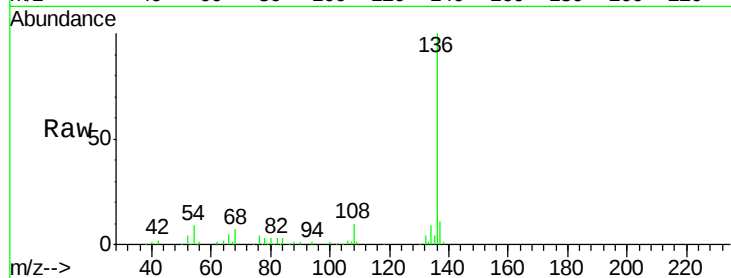




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.59 min Scan# 674
Delta R.T. -0.00 min
Lab File: BF078163.D
Acq: 1 Apr 2015 20:31

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2015-02

Tgt Ion:	136	Resp:	140439
Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.0	13.4
54	8.5	7.0	10.6
68	6.6	5.4	8.2



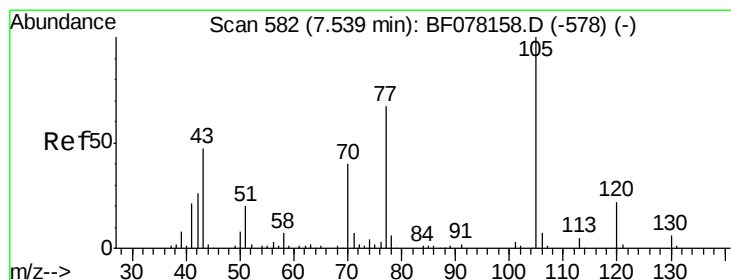
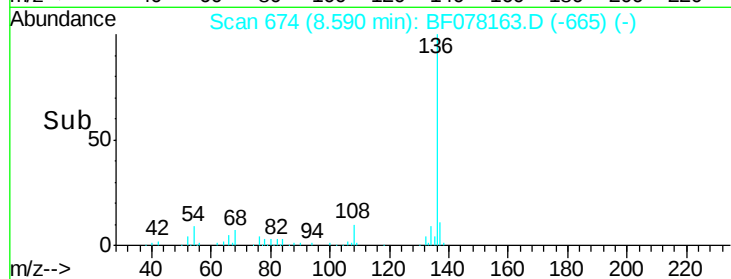
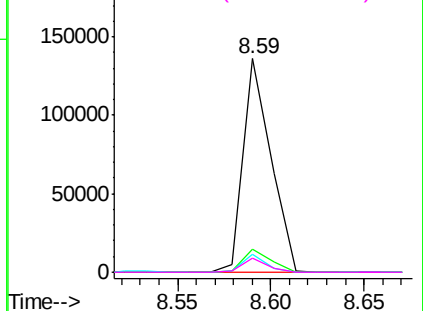
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

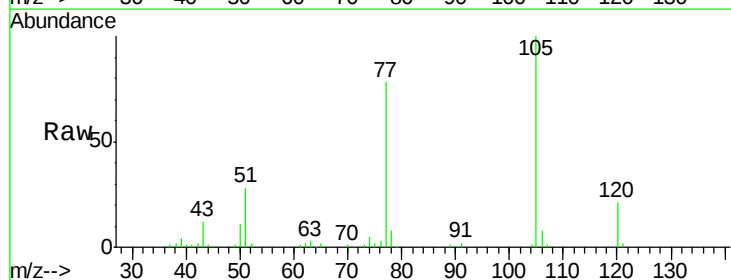
Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#22
Acetophenone
Concen: 21.69 ng
RT: 7.53 min Scan# 581
Delta R.T. -0.01 min
Lab File: BF078163.D
Acq: 1 Apr 2015 20:31

Tgt Ion:	105	Resp:	70972
Ion	Ratio	Lower	Upper
105	100		
71	0.0	5.5	8.3#
51	27.5	16.0	24.0#
120	20.5	17.8	26.6



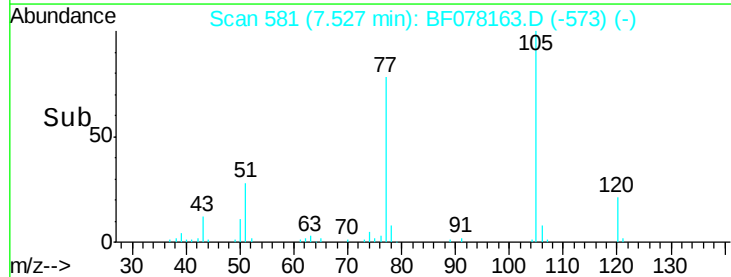
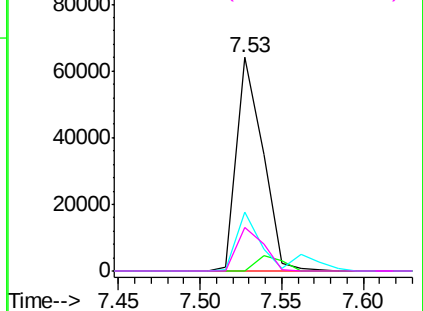
Abundance

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: 103.10 ng

RT: 7.71 min Scan# 597

Delta R.T. -0.00 min

Lab File: BF078163.D

Acq: 1 Apr 2015 20:31

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2015-02

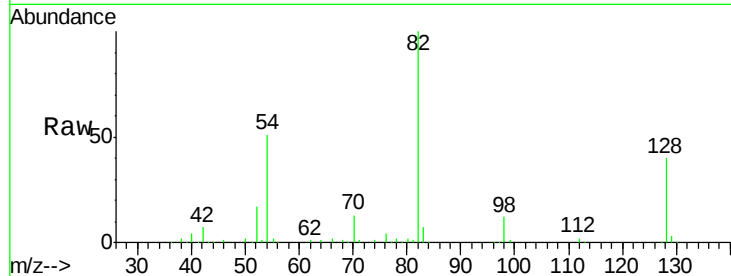
Tgt Ion: 82 Resp: 238872

Ion Ratio Lower Upper

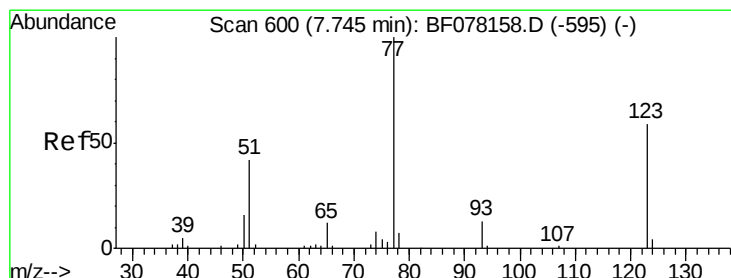
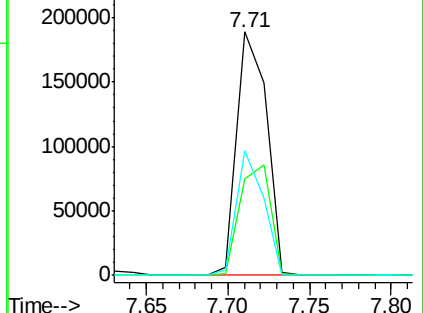
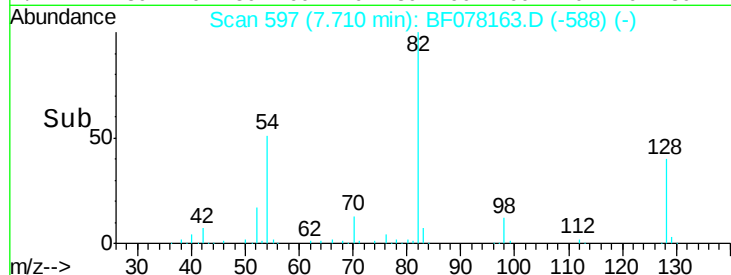
82 100

128 39.6 31.8 47.8

54 51.3 41.5 62.3



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



#24

Nitrobenzene

Concen: 20.41 ng

RT: 7.73 min Scan# 599

Delta R.T. -0.01 min

Lab File: BF078163.D

Acq: 1 Apr 2015 20:31

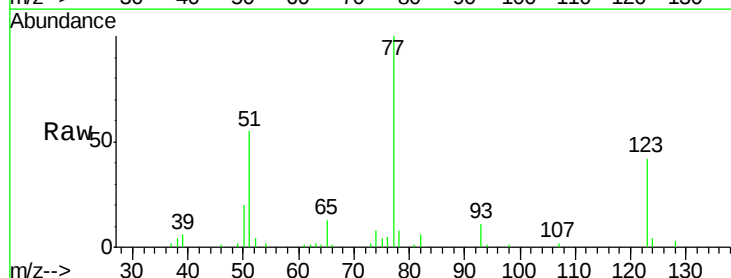
Tgt Ion: 77 Resp: 49438

Ion Ratio Lower Upper

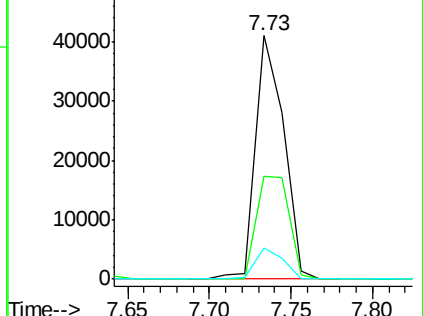
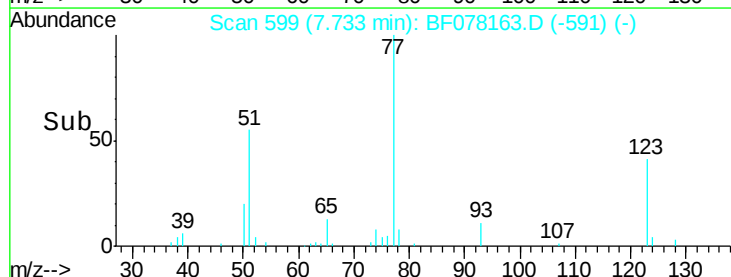
77 100

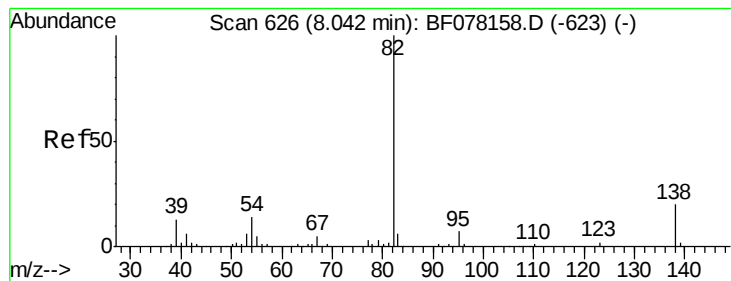
123 42.1 46.9 70.3#

65 12.8 9.5 14.3



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





#25

Isophorone

Concen: 20.73 ng

RT: 8.04 min Scan# 626

Delta R.T. -0.00 min

Lab File: BF078163.D

Acq: 1 Apr 2015 20:31

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2015-02

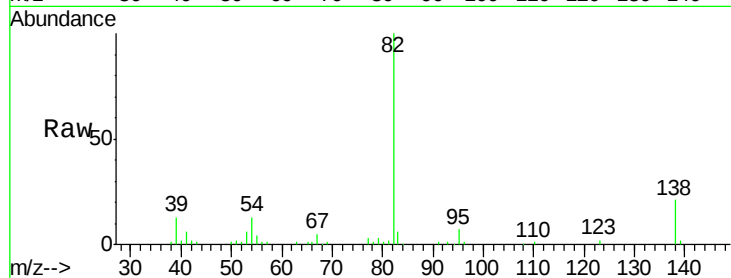
Tgt Ion: 82 Resp: 91147

Ion Ratio Lower Upper

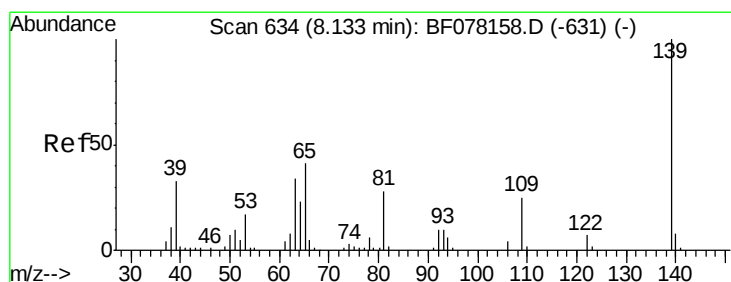
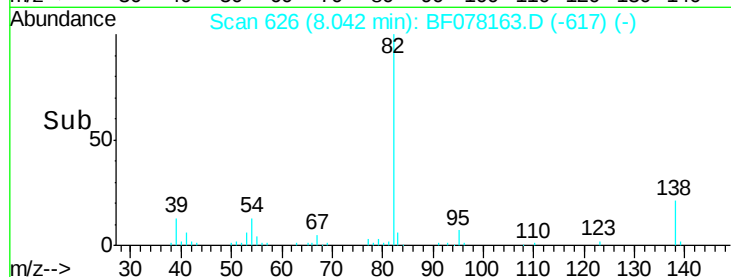
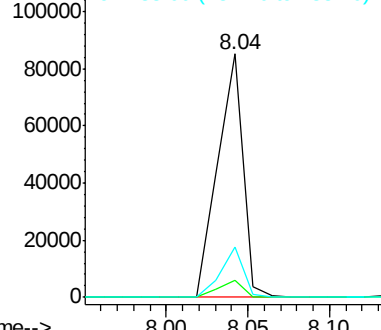
82 100

95 6.9 5.7 8.5

138 20.6 15.8 23.8



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): E



#26

2-Nitrophenol

Concen: 20.21 ng

RT: 8.13 min Scan# 634

Delta R.T. -0.00 min

Lab File: BF078163.D

Acq: 1 Apr 2015 20:31

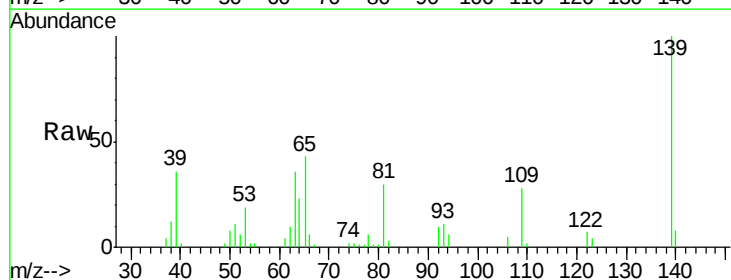
Tgt Ion: 139 Resp: 23322

Ion Ratio Lower Upper

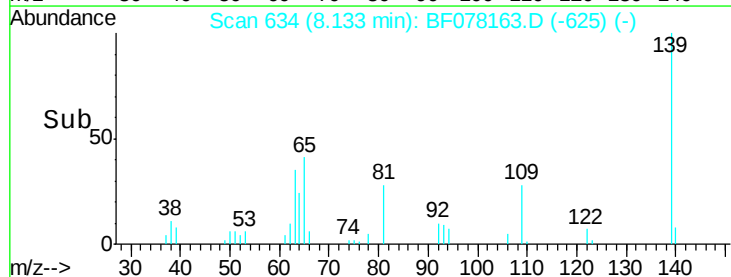
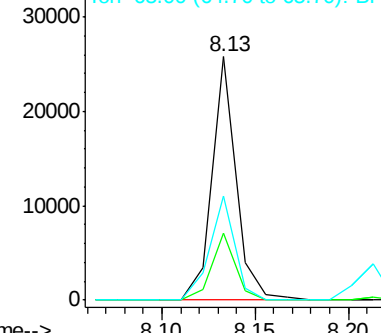
139 100

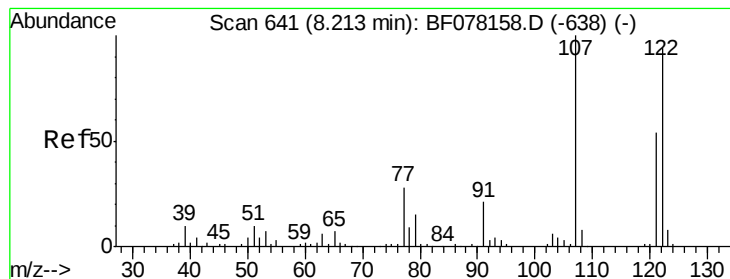
109 27.5 19.8 29.8

65 42.7 32.7 49.1



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





#27

2,4-Dimethylphenol

Concen: 20.84 ng

RT: 8.21 min Scan# 641

Delta R.T. -0.00 min

Lab File: BF078163.D

Acq: 1 Apr 2015 20:31

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2015-02

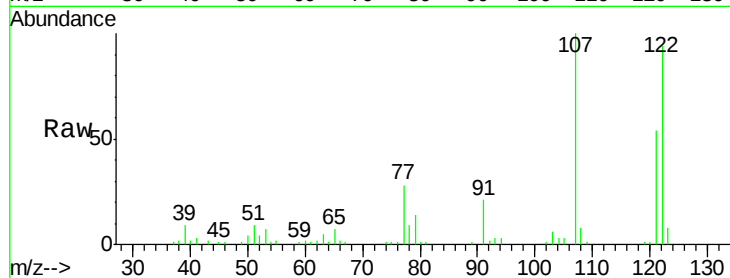
Tgt Ion:122 Resp: 44734

Ion Ratio Lower Upper

122 100

107 106.3 84.6 127.0

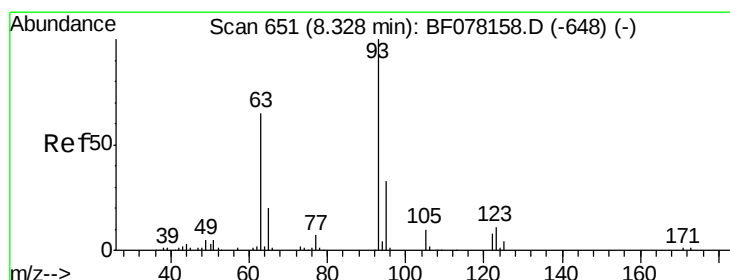
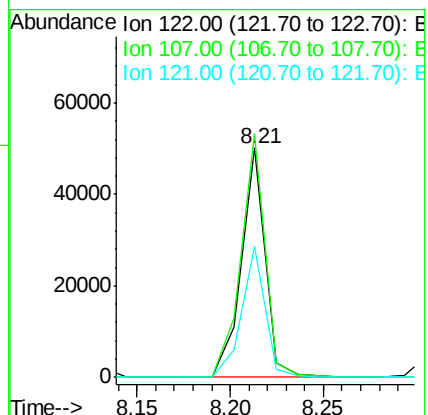
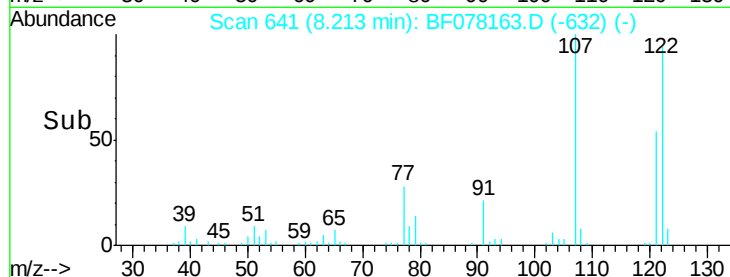
121 57.0 46.0 69.0



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: 21.00 ng

RT: 8.33 min Scan# 651

Delta R.T. -0.00 min

Lab File: BF078163.D

Acq: 1 Apr 2015 20:31

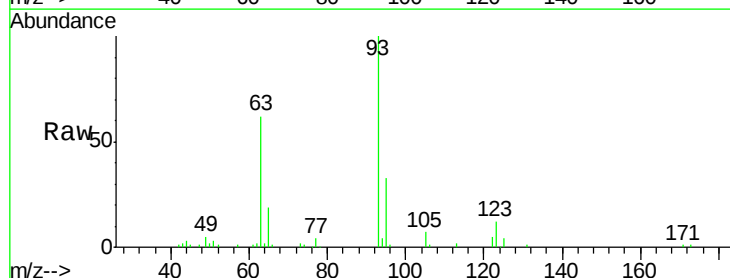
Tgt Ion: 93 Resp: 59209

Ion Ratio Lower Upper

93 100

95 32.6 26.3 39.5

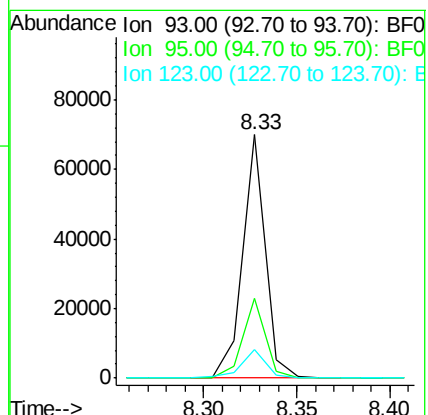
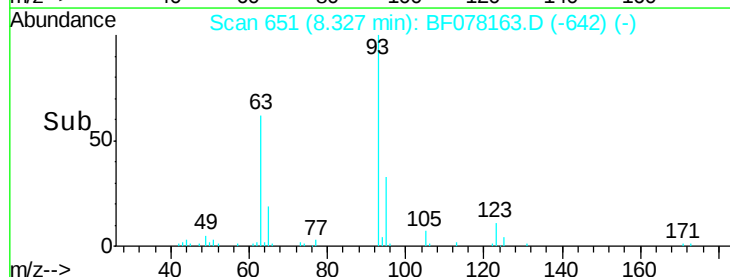
123 11.6 9.1 13.7

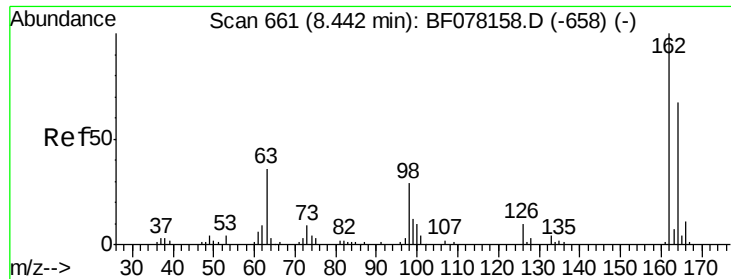


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 123.00 (122.70 to 123.70): E

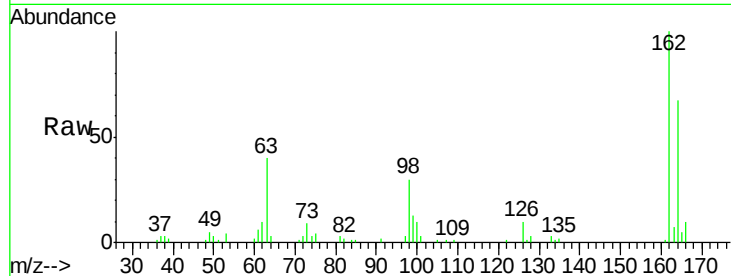




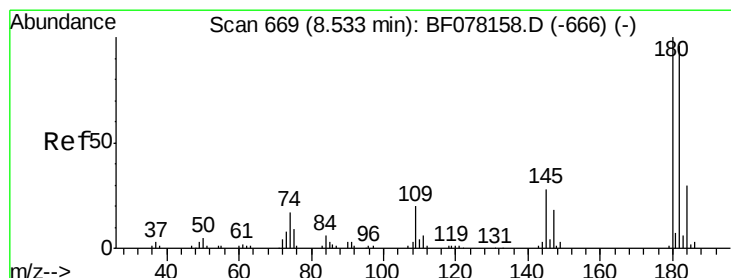
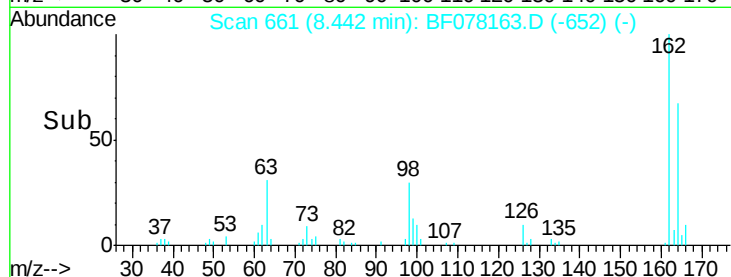
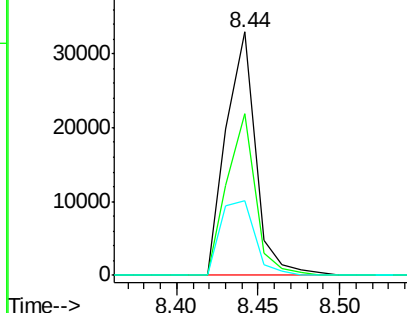
#29
 2,4-Dichlorophenol
 Concen: 21.01 ng
 RT: 8.44 min Scan# 661
 Delta R.T. -0.00 min
 Lab File: BF078163.D
 Acq: 1 Apr 2015 20:31

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2015-02

Tgt Ion	Resp	Lower	Upper
162	41035		
164	66.6	47.0	87.0
98	30.4	9.2	49.2

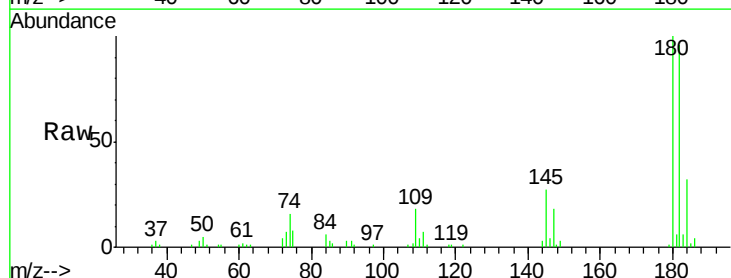


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF0

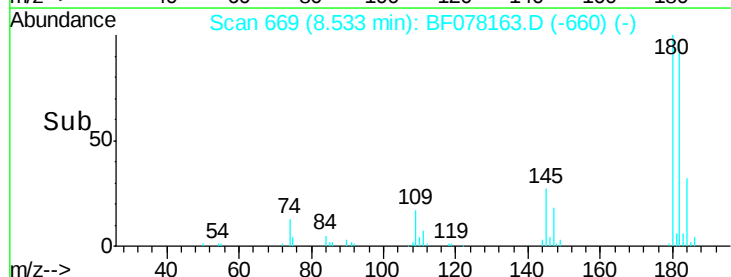
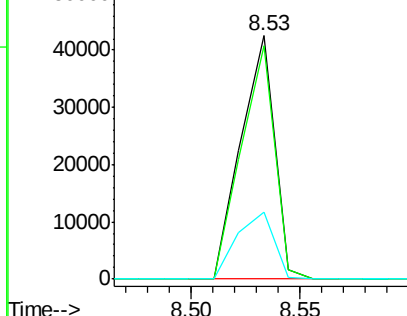


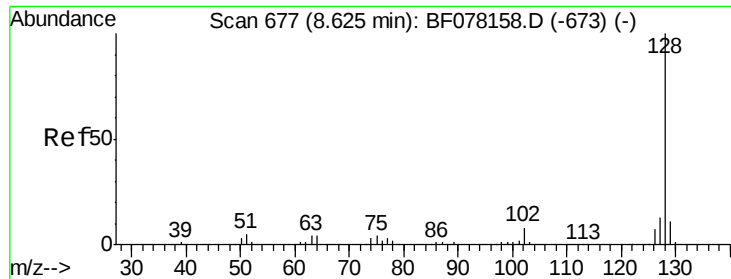
#30
 1,2,4-Trichlorobenzene
 Concen: 20.35 ng
 RT: 8.53 min Scan# 669
 Delta R.T. -0.00 min
 Lab File: BF078163.D
 Acq: 1 Apr 2015 20:31

Tgt Ion	Resp	Lower	Upper
180	45571		
182	96.0	76.9	115.3
145	27.3	22.5	33.7



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

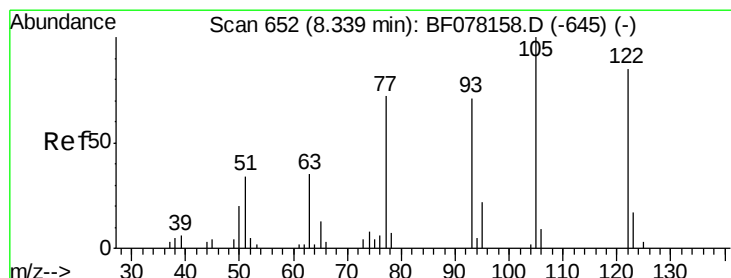
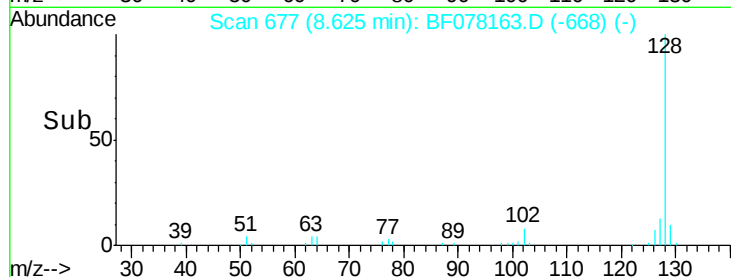
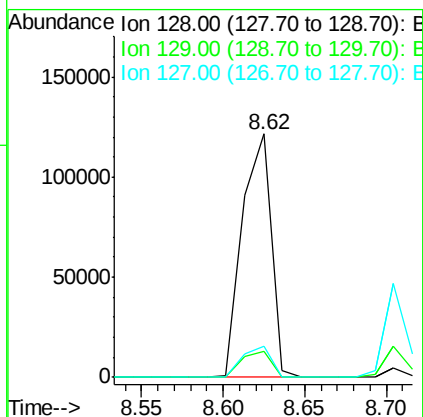
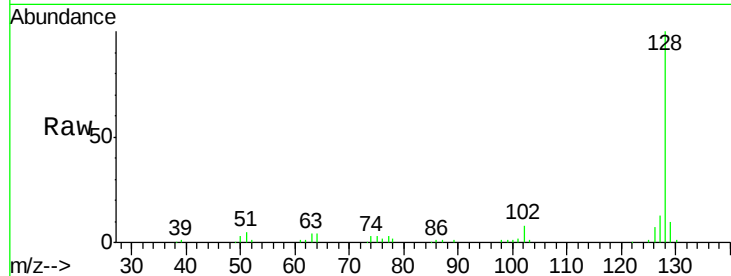




#31
Naphthalene
Concen: 20.37 ng
RT: 8.62 min Scan# 677
Delta R.T. -0.00 min
Lab File: BF078163.D
Acq: 1 Apr 2015 20:31

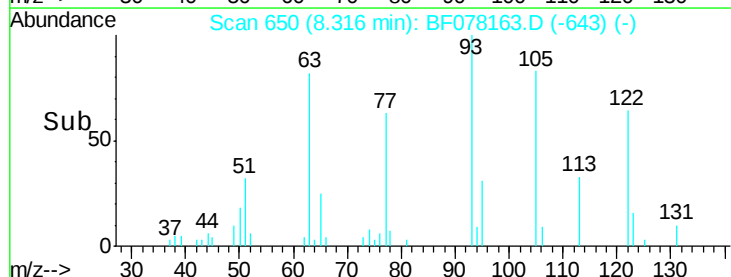
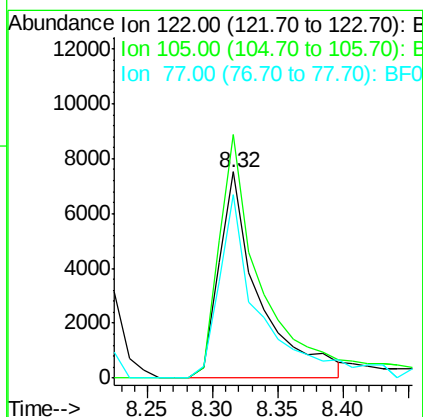
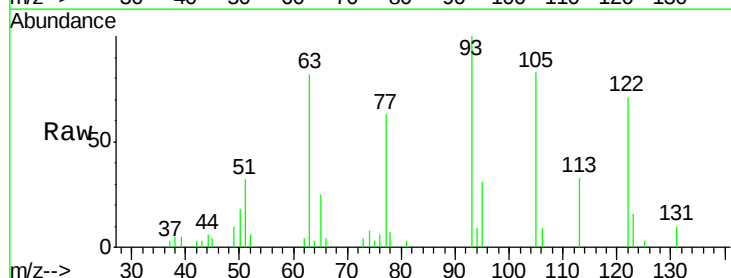
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2015-02

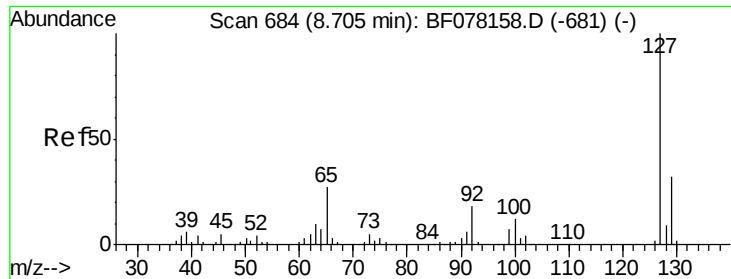
Tgt Ion:128 Resp: 148882
Ion Ratio Lower Upper
128 100
129 10.4 8.6 12.8
127 12.7 10.7 16.1



#32
Benzoic acid
Concen: 19.87 ng
RT: 8.32 min Scan# 650
Delta R.T. -0.02 min
Lab File: BF078163.D
Acq: 1 Apr 2015 20:31

Tgt Ion:122 Resp: 16160
Ion Ratio Lower Upper
122 100
105 118.1 96.1 136.1
77 89.0 64.1 104.1

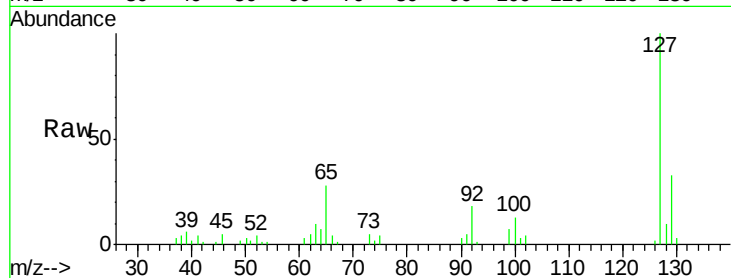




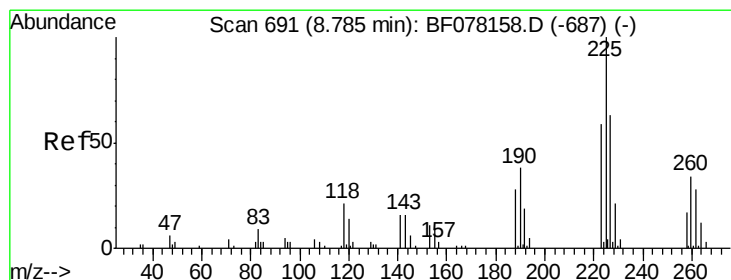
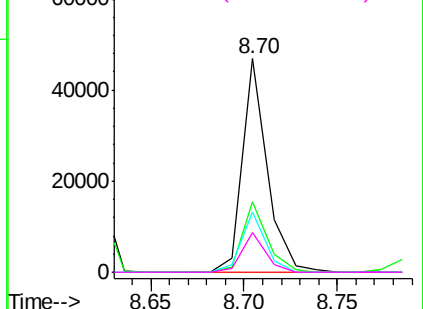
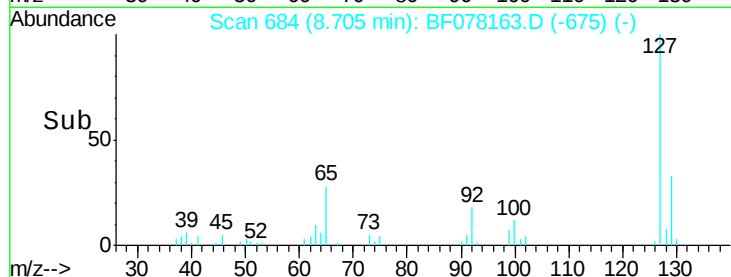
#33
4-Chloroaniline
Concen: 14.34 ng
RT: 8.70 min Scan# 684
Delta R.T. -0.00 min
Lab File: BF078163.D
Acq: 1 Apr 2015 20:31

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2015-02

Tgt Ion:127 Resp: 43488
Ion Ratio Lower Upper
127 100
129 33.0 25.5 38.3
65 28.2 21.7 32.5
92 18.4 14.6 21.8

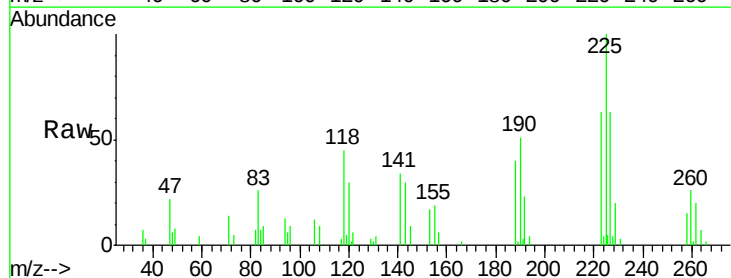


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0

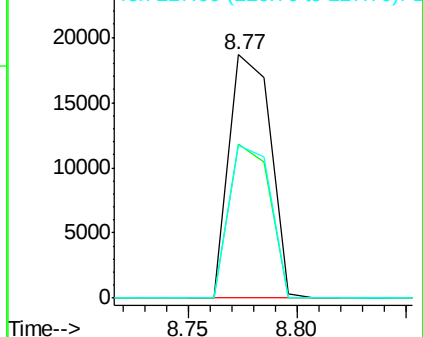
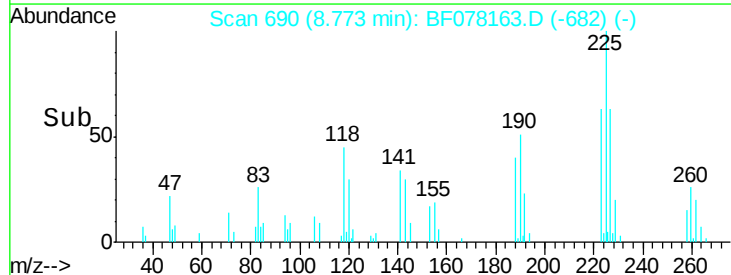


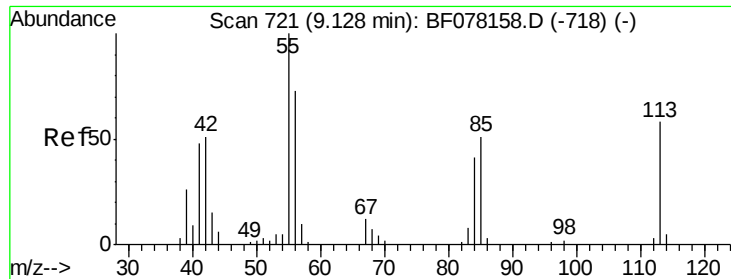
#34
Hexachlorobutadiene
Concen: 20.05 ng
RT: 8.77 min Scan# 690
Delta R.T. -0.01 min
Lab File: BF078163.D
Acq: 1 Apr 2015 20:31

Tgt Ion:225 Resp: 24647
Ion Ratio Lower Upper
225 100
223 63.2 47.5 71.3
227 62.9 50.2 75.2



Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E

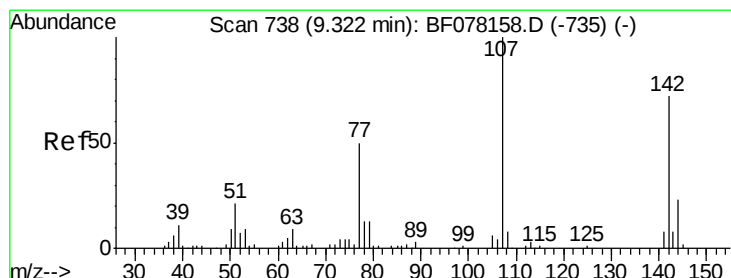
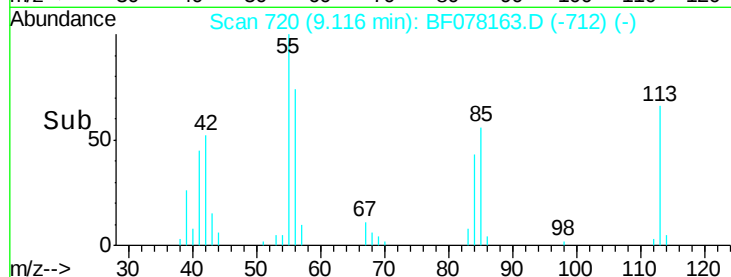
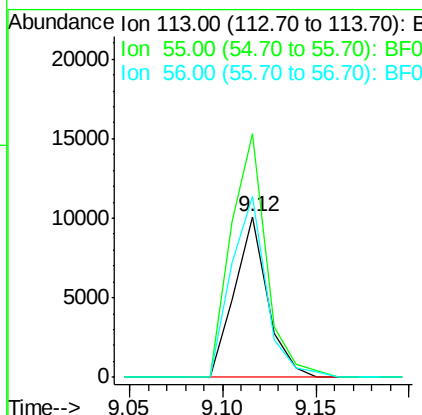
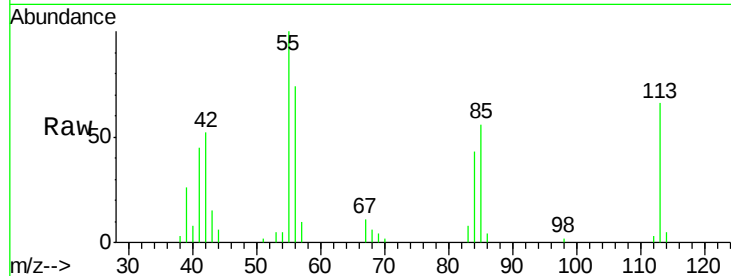




#35
 Caprolactam
 Concen: 21.57 ng
 RT: 9.12 min Scan# 720
 Delta R.T. -0.01 min
 Lab File: BF078163.D
 Acq: 1 Apr 2015 20:31

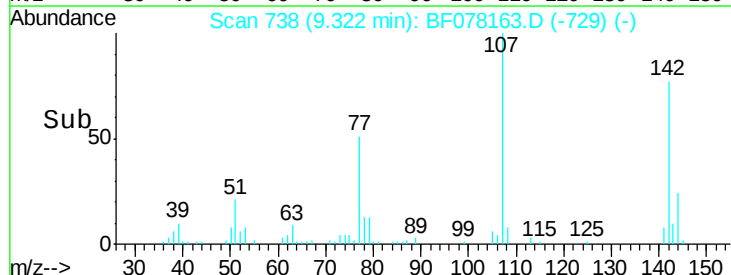
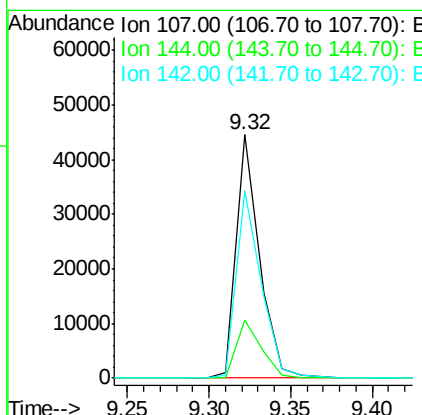
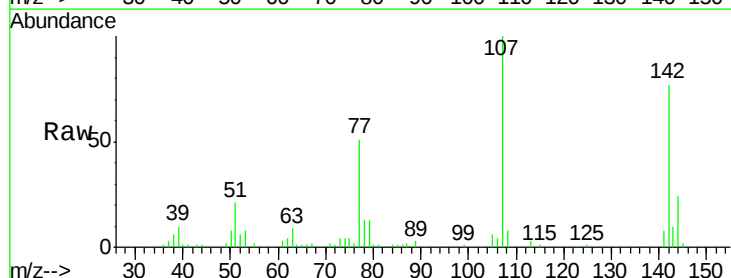
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2015-02

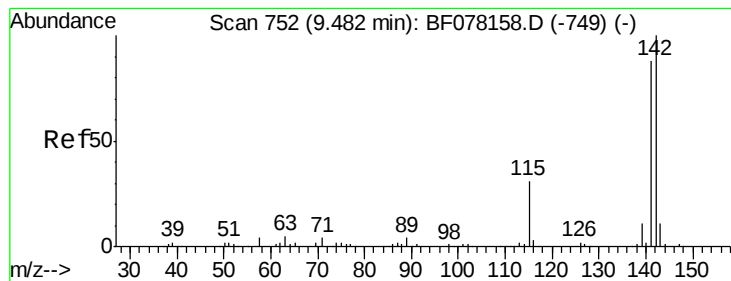
Tgt Ion:113 Resp: 12571
 Ion Ratio Lower Upper
 113 100
 55 151.7 151.9 191.9#
 56 112.5 106.1 146.1



#36
 4-Chloro-3-methylphenol
 Concen: 22.28 ng
 RT: 9.32 min Scan# 738
 Delta R.T. -0.00 min
 Lab File: BF078163.D
 Acq: 1 Apr 2015 20:31

Tgt Ion:107 Resp: 43897
 Ion Ratio Lower Upper
 107 100
 144 24.0 18.2 27.2
 142 76.8 58.0 87.0





#37

2-Methylnaphthalene

Concen: 21.10 ng

RT: 9.48 min Scan# 752

Delta R.T. -0.00 min

Lab File: BF078163.D

Acq: 1 Apr 2015 20:31

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2015-02

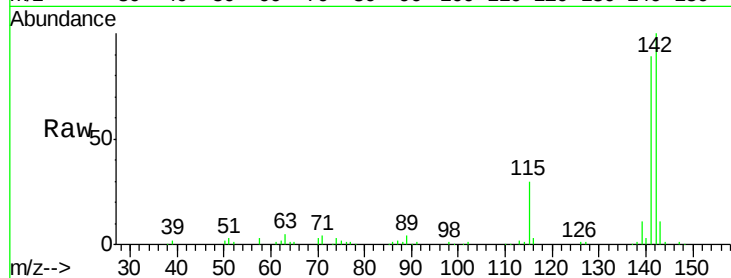
Tgt Ion:142 Resp: 104710

Ion Ratio Lower Upper

142 100

141 89.1 70.3 105.5

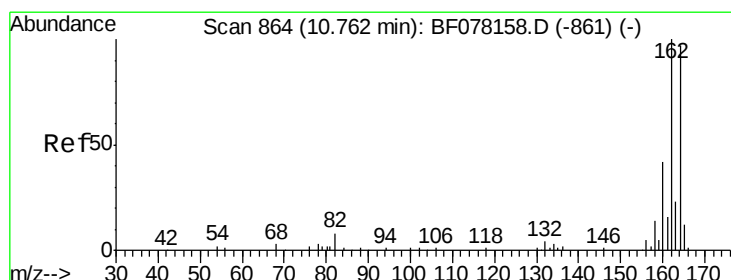
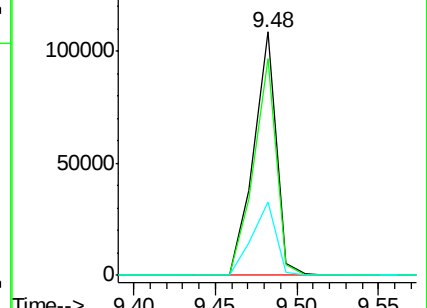
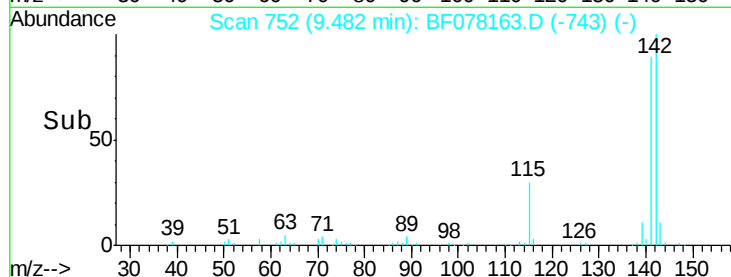
115 29.9 24.6 37.0



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 10.76 min Scan# 864

Delta R.T. -0.00 min

Lab File: BF078163.D

Acq: 1 Apr 2015 20:31

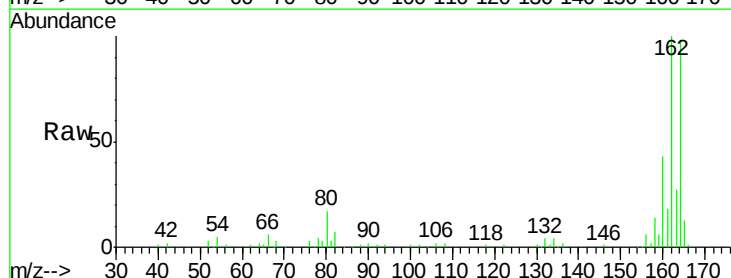
Tgt Ion:164 Resp: 71017

Ion Ratio Lower Upper

164 100

162 102.1 82.2 123.2

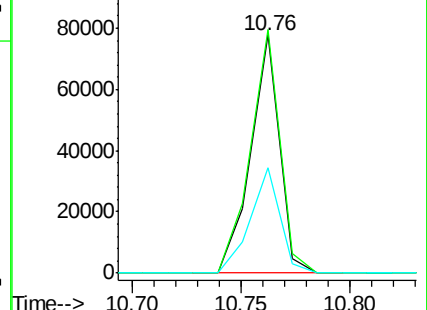
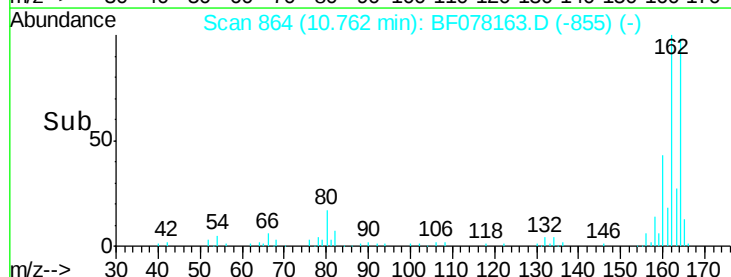
160 43.9 34.7 52.1

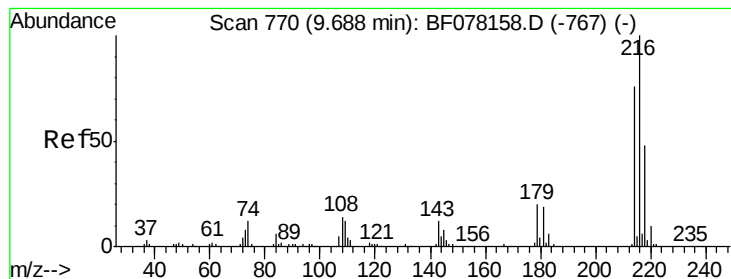


Abundance Ion 164.00 (163.70 to 164.70): E

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: 20.52 ng

RT: 9.69 min Scan# 770

Delta R.T. -0.00 min

Lab File: BF078163.D

Acq: 1 Apr 2015 20:31

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2015-02

Tgt Ion:216 Resp: 45159

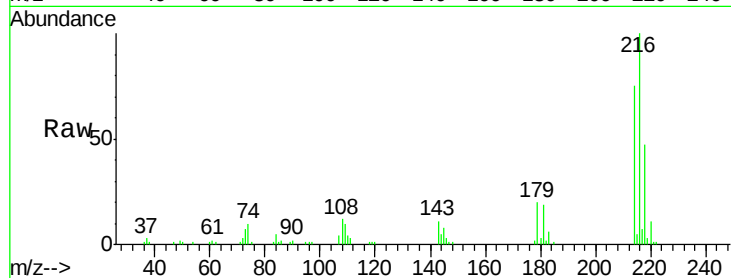
Ion Ratio Lower Upper

216 100

214 76.6 62.0 93.0

179 21.4 17.3 25.9

108 18.3 14.6 21.8

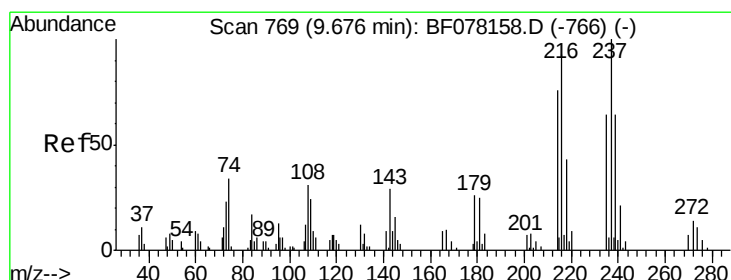
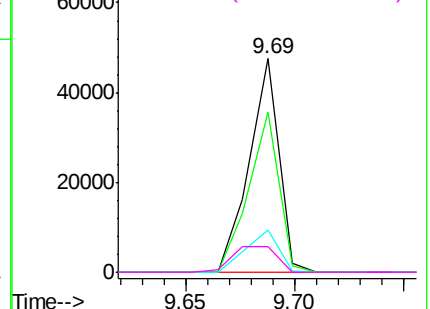
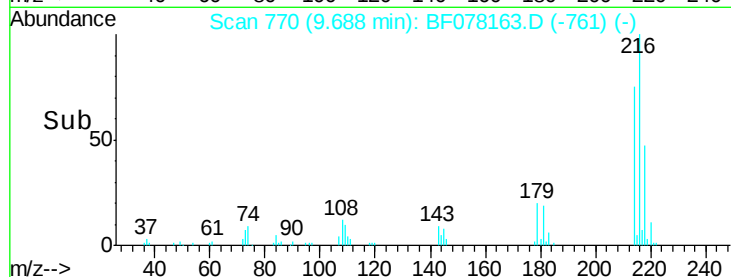


Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



#40

Hexachlorocyclopentadiene

Concen: 20.62 ng

RT: 9.68 min Scan# 769

Delta R.T. 0.00 min

Lab File: BF078163.D

Acq: 1 Apr 2015 20:31

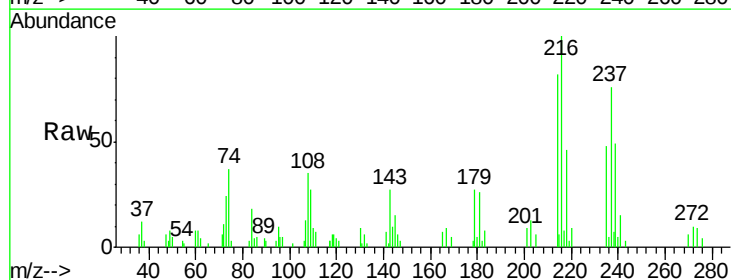
Tgt Ion:237 Resp: 15769

Ion Ratio Lower Upper

237 100

235 63.6 44.1 84.1

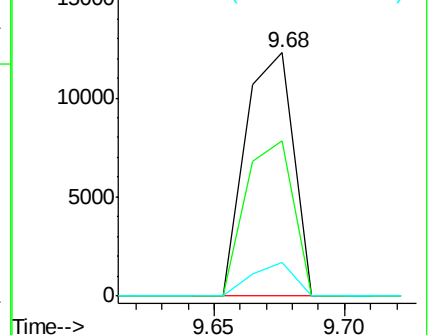
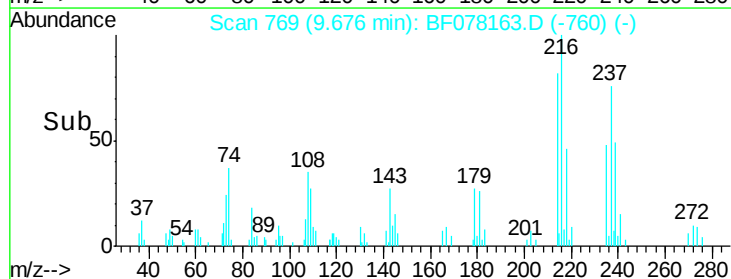
272 13.6 0.0 34.4

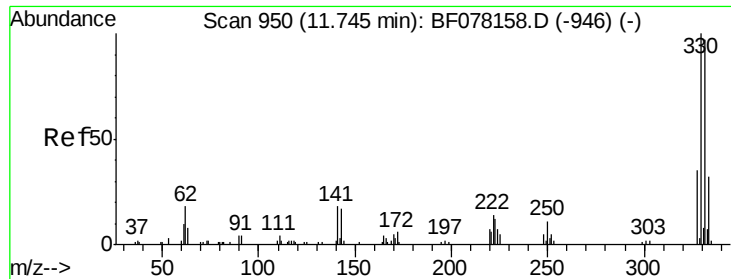


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

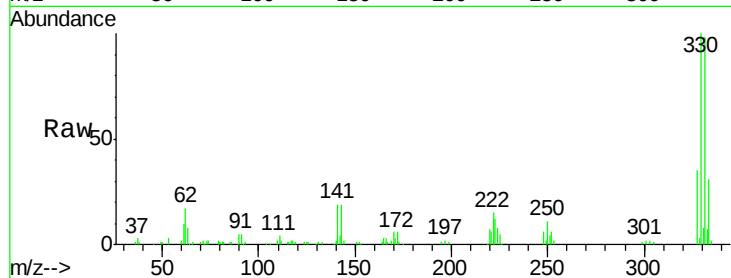




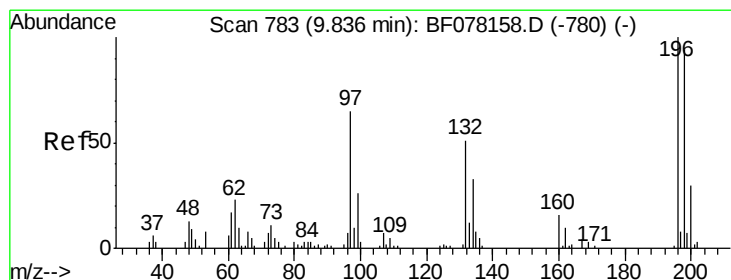
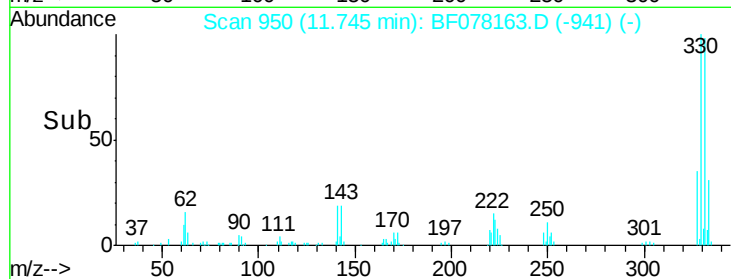
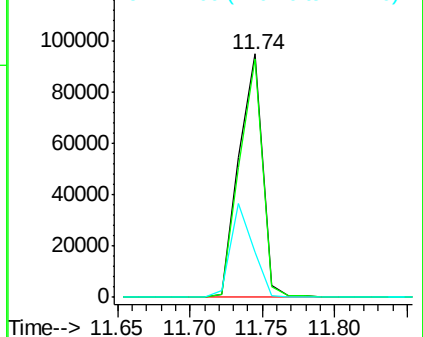
#41
 2,4,6-Tribromophenol
 Concen: 182.10 ng
 RT: 11.74 min Scan# 950
 Delta R.T. -0.00 min
 Lab File: BF078163.D
 Acq: 1 Apr 2015 20:31

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2015-02

Tgt Ion:330 Resp: 107256
 Ion Ratio Lower Upper
 330 100
 332 96.0 78.6 117.8
 141 36.8 31.2 46.8

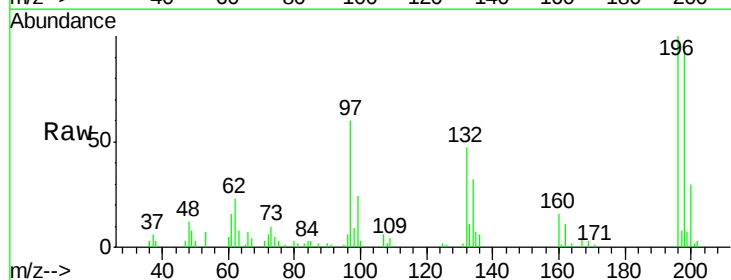


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

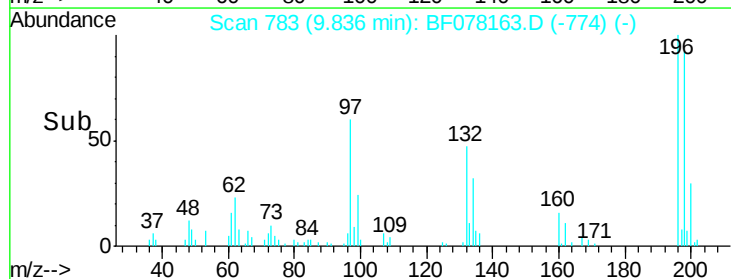
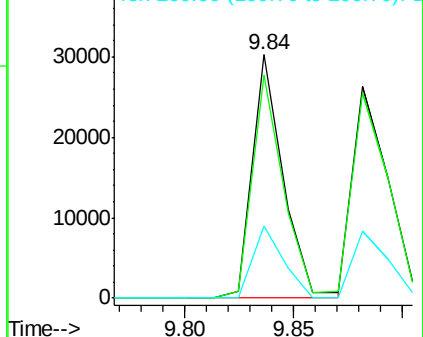


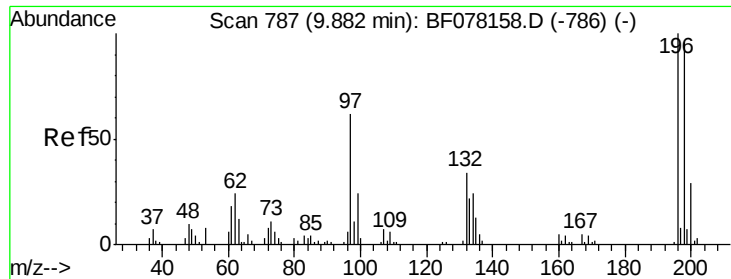
#42
 2,4,6-Trichlorophenol
 Concen: 21.57 ng
 RT: 9.84 min Scan# 783
 Delta R.T. -0.00 min
 Lab File: BF078163.D
 Acq: 1 Apr 2015 20:31

Tgt Ion:196 Resp: 29939
 Ion Ratio Lower Upper
 196 100
 198 91.7 75.4 113.2
 200 29.7 24.0 36.0



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

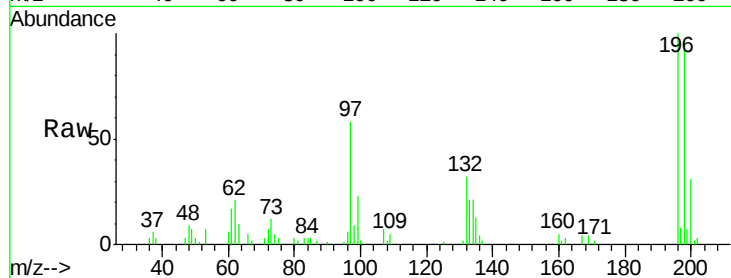




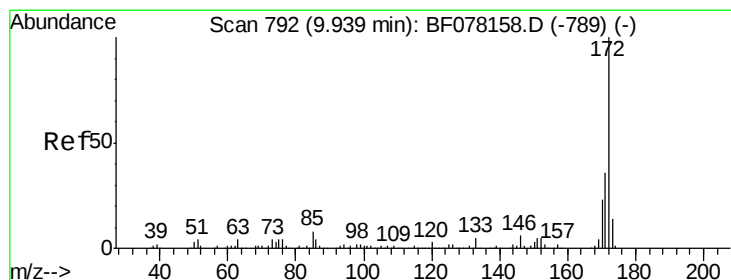
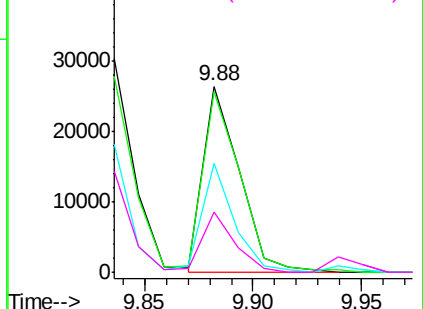
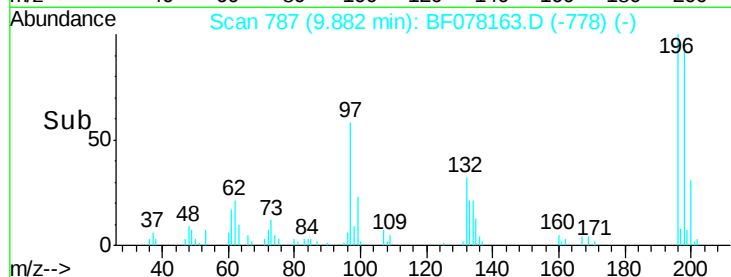
#43
 2,4,5-Trichlorophenol
 Concen: 20.99 ng
 RT: 9.88 min Scan# 787
 Delta R.T. -0.00 min
 Lab File: BF078163.D
 Acq: 1 Apr 2015 20:31

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2015-02

Tgt Ion:196 Resp: 30430
 Ion Ratio Lower Upper
 196 100
 198 97.1 76.6 115.0
 97 58.3 50.6 75.8
 132 32.3 27.7 41.5

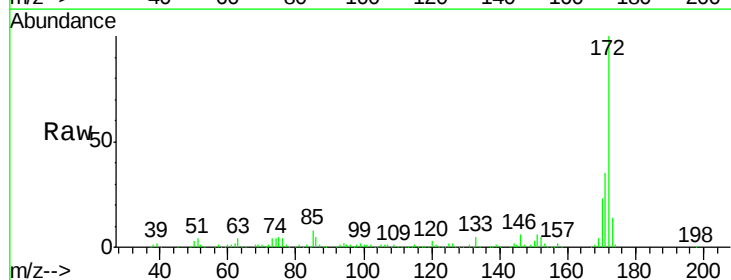


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF0
 Ion 132.00 (131.70 to 132.70): E

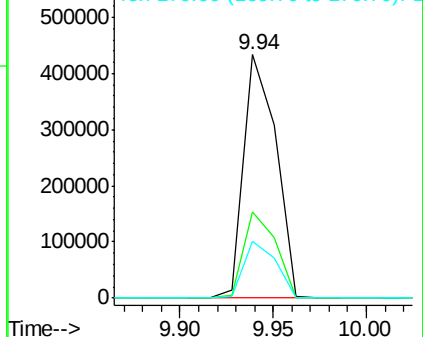
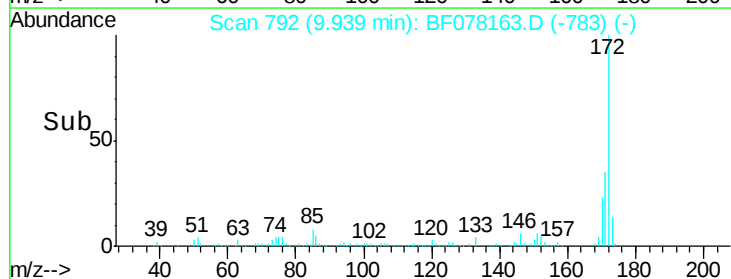


#44
 2-Fluorobiphenyl
 Concen: 104.92 ng
 RT: 9.94 min Scan# 792
 Delta R.T. -0.00 min
 Lab File: BF078163.D
 Acq: 1 Apr 2015 20:31

Tgt Ion:172 Resp: 521275
 Ion Ratio Lower Upper
 172 100
 171 35.5 28.6 42.8
 170 23.3 18.5 27.7



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: 21.17 ng

RT: 10.06 min Scan# 803

Delta R.T. -0.00 min

Lab File: BF078163.D

Acq: 1 Apr 2015 20:31

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2015-02

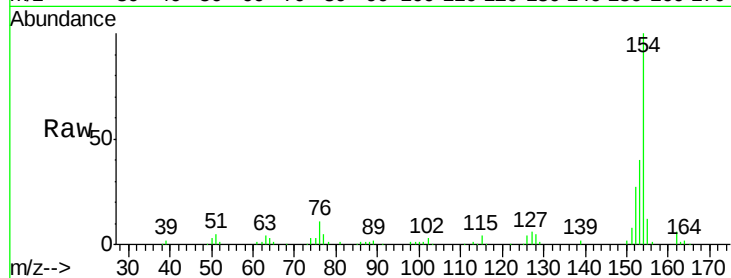
Tgt Ion:154 Resp: 122972

Ion Ratio Lower Upper

154 100

153 39.7 20.0 60.0

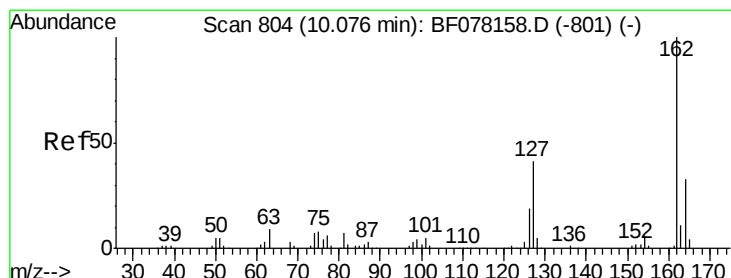
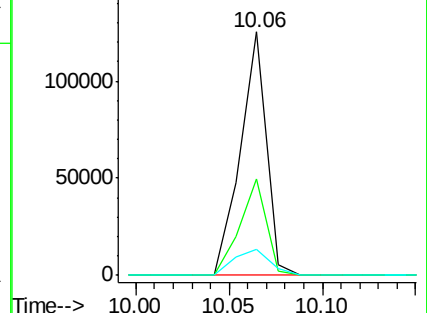
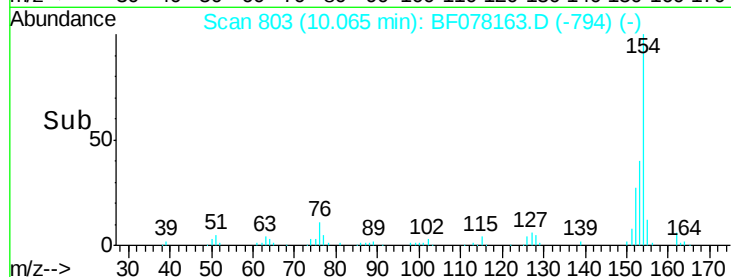
76 10.8 0.0 30.6



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0



#46

2-Chloronaphthalene

Concen: 21.72 ng

RT: 10.08 min Scan# 804

Delta R.T. -0.00 min

Lab File: BF078163.D

Acq: 1 Apr 2015 20:31

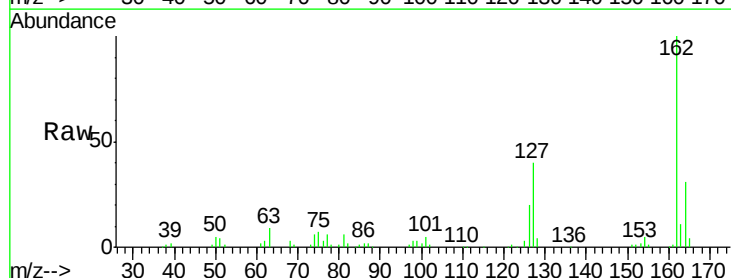
Tgt Ion:162 Resp: 99261

Ion Ratio Lower Upper

162 100

127 40.3 32.6 49.0

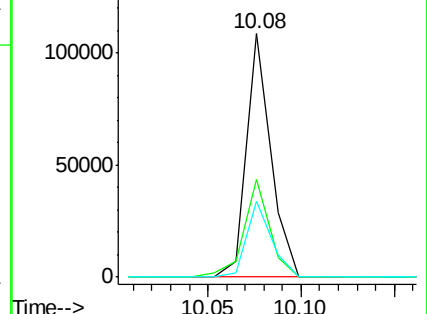
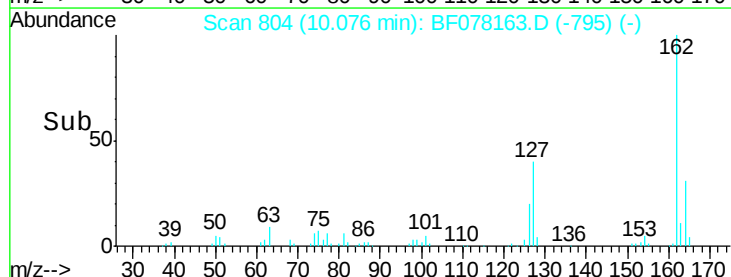
164 31.4 26.0 39.0

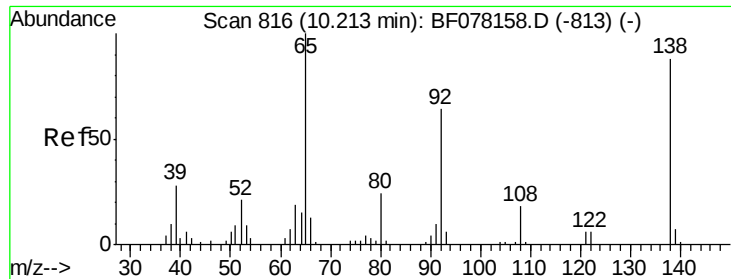


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E

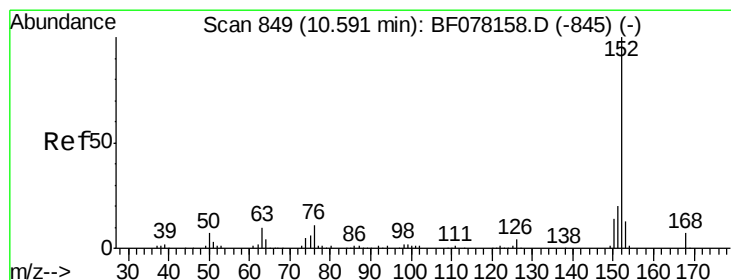
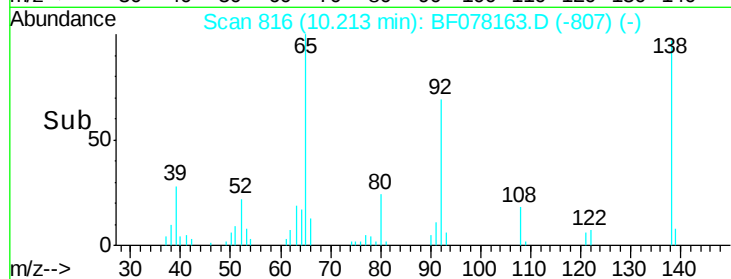
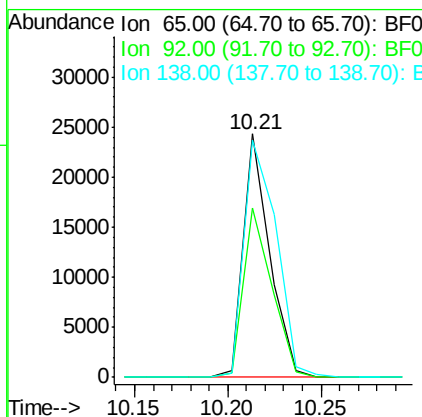
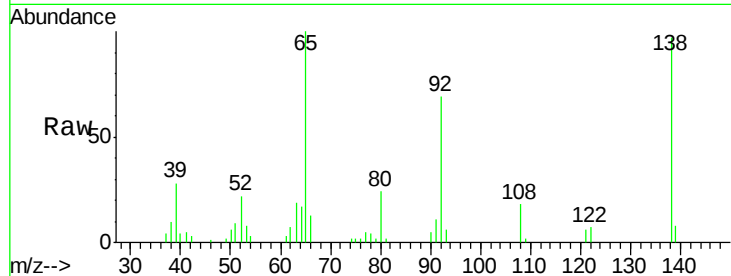




#47
2-Nitroaniline
Concen: 21.14 ng
RT: 10.21 min Scan# 816
Delta R.T. -0.00 min
Lab File: BF078163.D
Acq: 1 Apr 2015 20:31

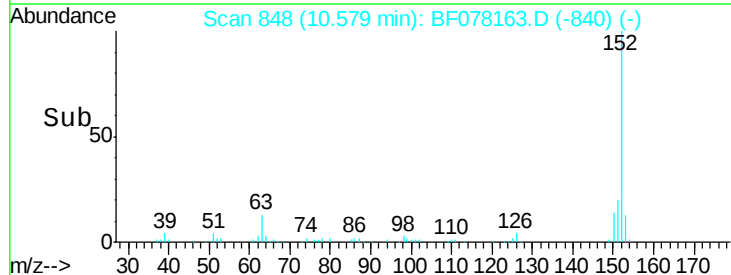
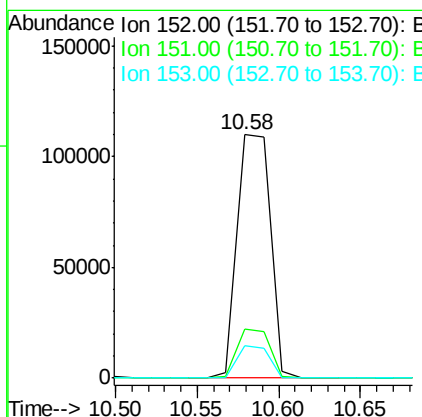
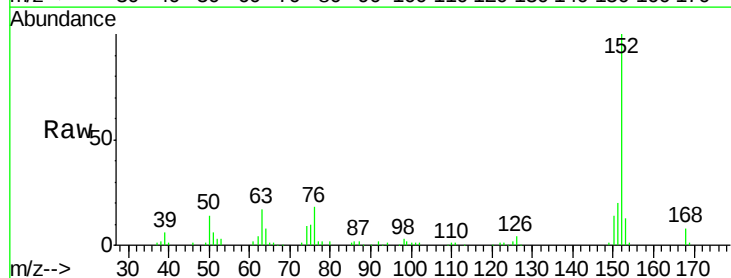
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2015-02

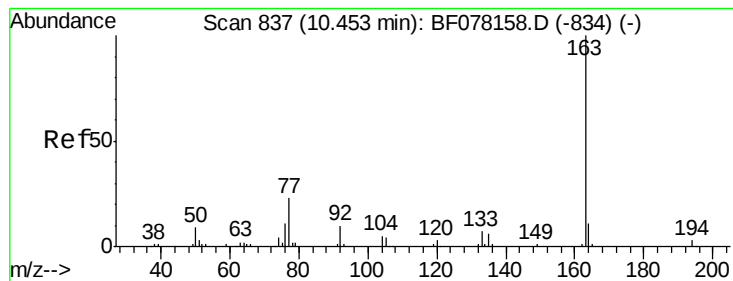
Tgt Ion: 65 Resp: 23907
Ion Ratio Lower Upper
65 100
92 69.4 51.3 76.9
138 97.2 70.4 105.6



#48
Acenaphthylene
Concen: 20.87 ng
RT: 10.58 min Scan# 848
Delta R.T. -0.01 min
Lab File: BF078163.D
Acq: 1 Apr 2015 20:31

Tgt Ion: 152 Resp: 154006
Ion Ratio Lower Upper
152 100
151 20.0 15.7 23.5
153 13.2 10.2 15.2





#49

Dimethylphthalate

Concen: 21.85 ng

RT: 10.45 min Scan# 837

Delta R.T. -0.00 min

Lab File: BF078163.D

Acq: 1 Apr 2015 20:31

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2015-02

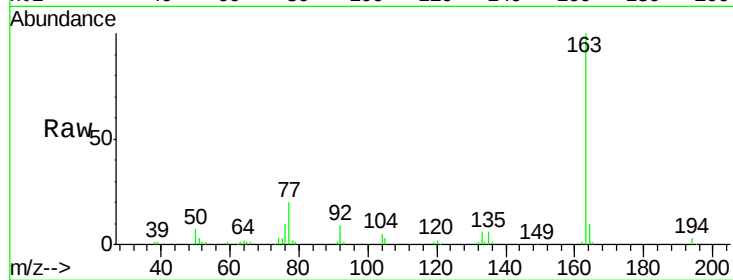
Tgt Ion:163 Resp: 116556

Ion Ratio Lower Upper

163 100

194 3.2 2.3 3.5

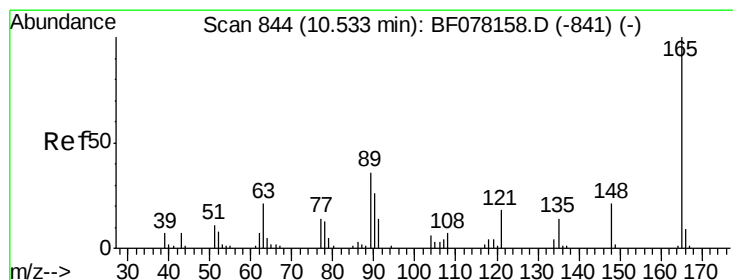
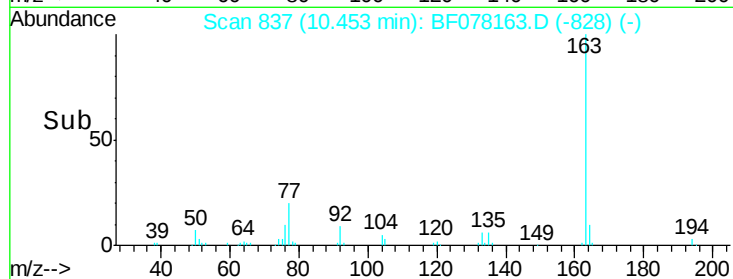
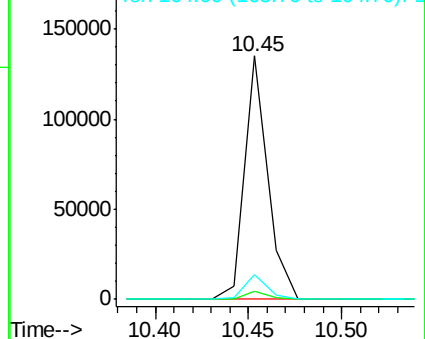
164 10.4 8.6 13.0



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: 21.73 ng

RT: 10.52 min Scan# 843

Delta R.T. -0.01 min

Lab File: BF078163.D

Acq: 1 Apr 2015 20:31

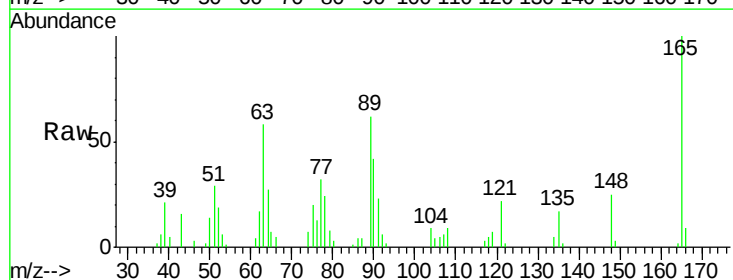
Tgt Ion:165 Resp: 23857

Ion Ratio Lower Upper

165 100

63 57.8 24.1 36.1#

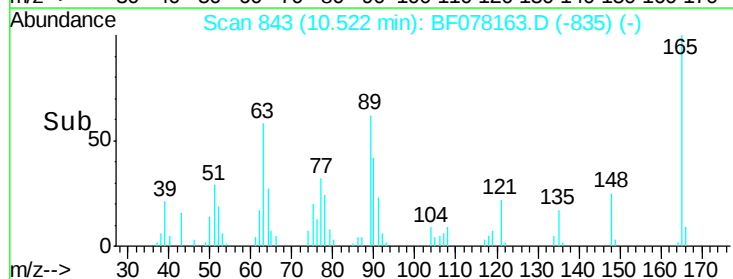
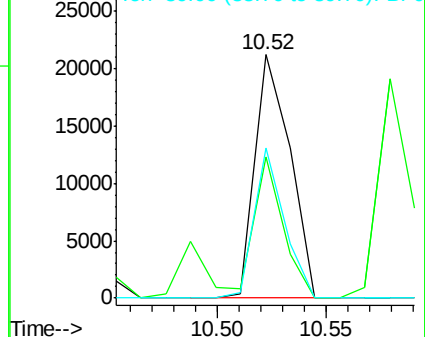
89 61.6 28.9 43.3#

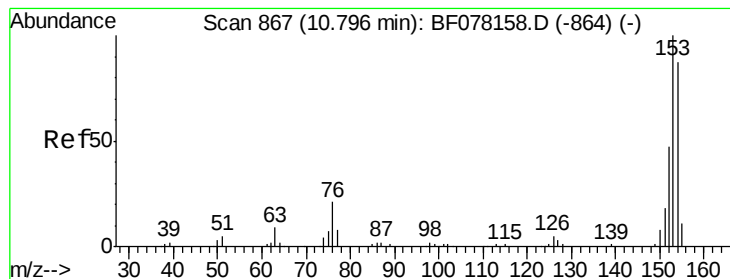


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 21.20 ng

RT: 10.80 min Scan# 867

Delta R.T. -0.00 min

Lab File: BF078163.D

Acq: 1 Apr 2015 20:31

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2015-02

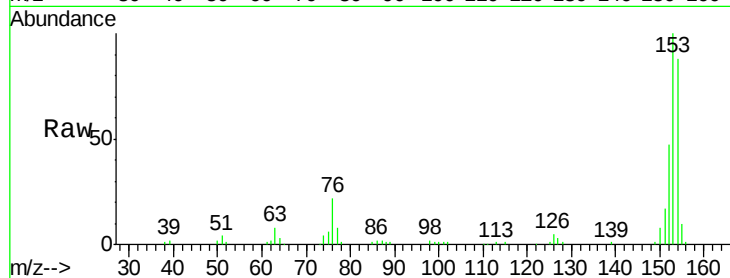
Tgt Ion:154 Resp: 88111

Ion Ratio Lower Upper

154 100

153 113.0 91.4 137.2

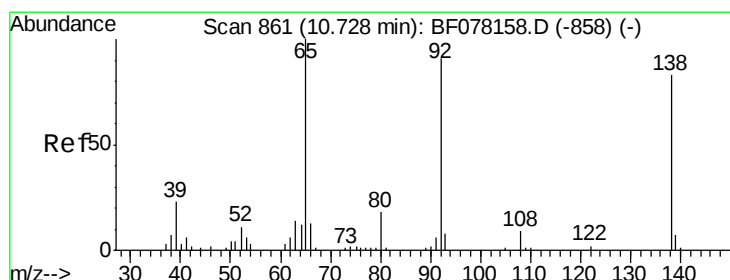
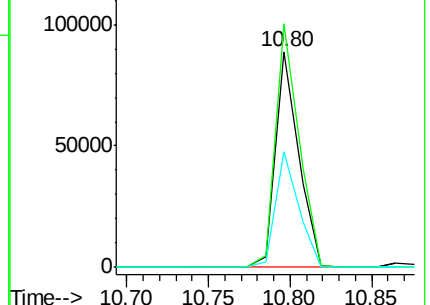
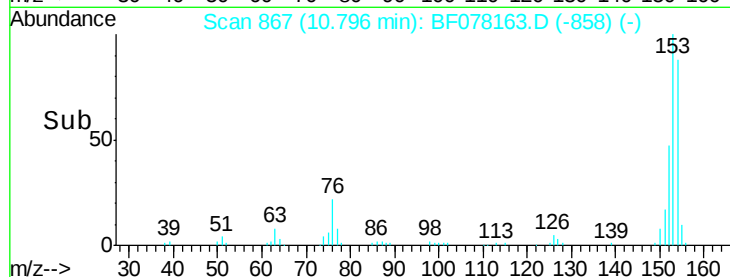
152 53.4 43.0 64.6



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: 19.50 ng

RT: 10.73 min Scan# 861

Delta R.T. -0.00 min

Lab File: BF078163.D

Acq: 1 Apr 2015 20:31

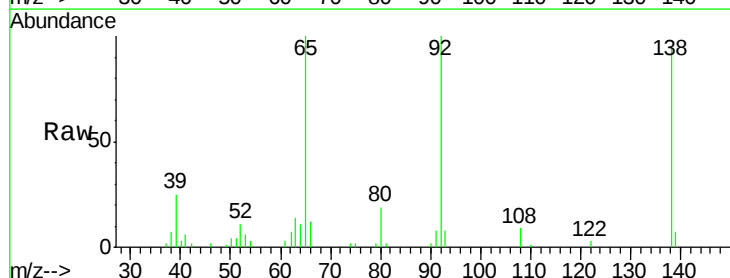
Tgt Ion:138 Resp: 24344

Ion Ratio Lower Upper

138 100

108 9.8 8.2 12.4

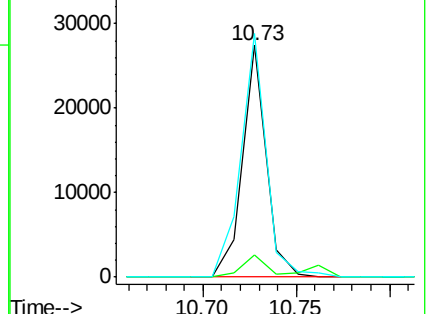
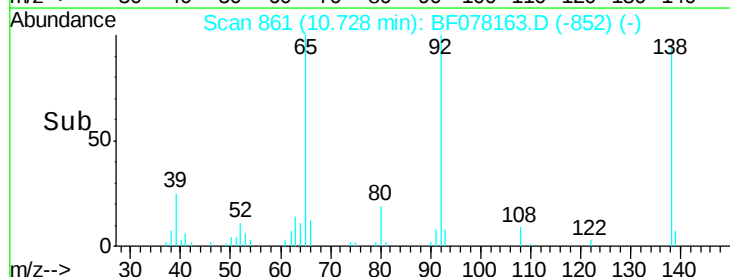
92 105.1 88.4 132.6

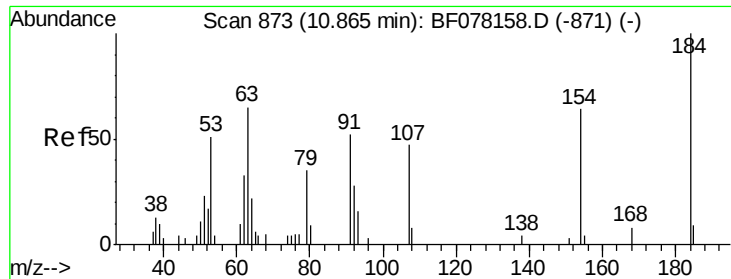


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

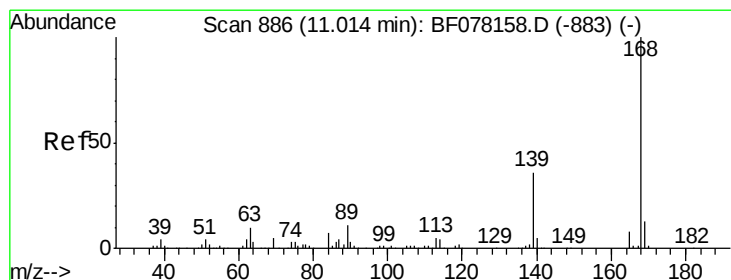
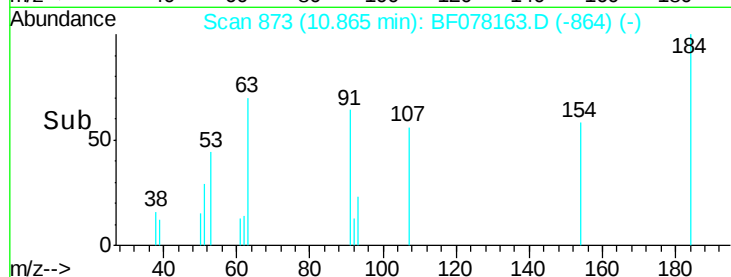
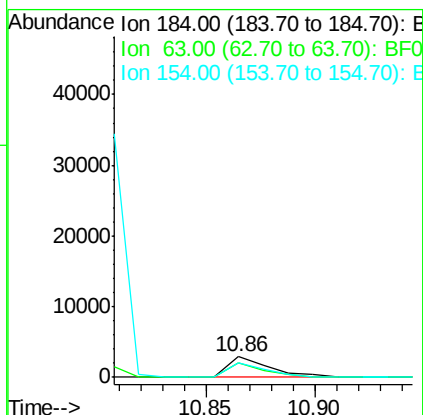
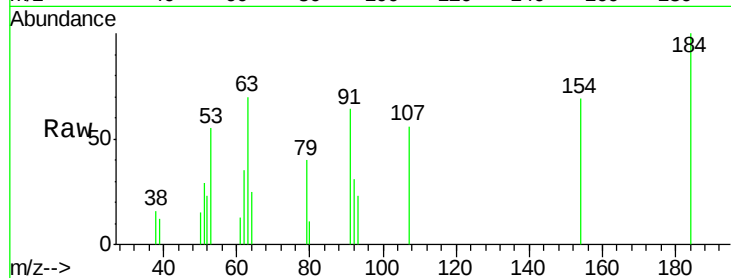




#53
2,4-Dinitrophenol
Concen: 19.55 ng
RT: 10.86 min Scan# 873
Delta R.T. 0.00 min
Lab File: BF078163.D
Acq: 1 Apr 2015 20:31

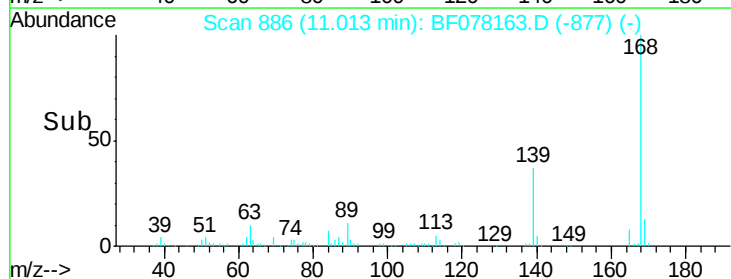
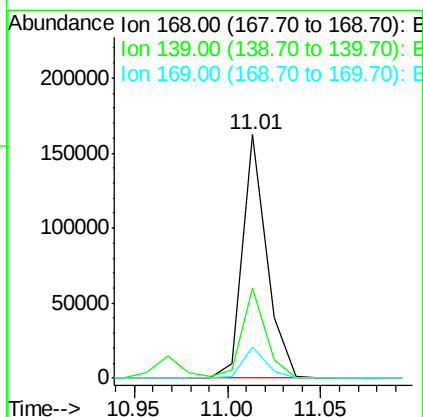
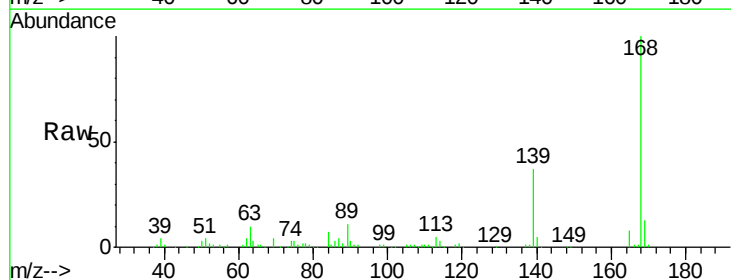
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2015-02

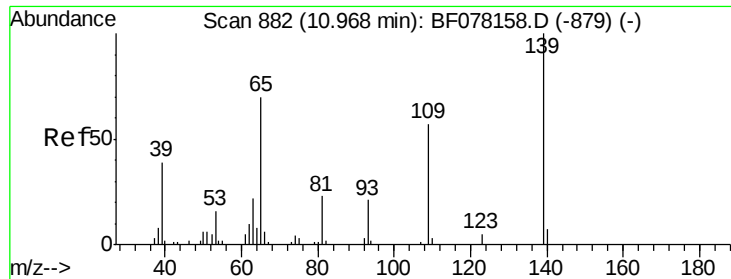
Tgt Ion:184 Resp: 3941
Ion Ratio Lower Upper
184 100
63 70.2 51.9 77.9
154 69.3 51.0 76.4



#54
Dibenzofuran
Concen: 23.00 ng
RT: 11.01 min Scan# 886
Delta R.T. -0.00 min
Lab File: BF078163.D
Acq: 1 Apr 2015 20:31

Tgt Ion:168 Resp: 145992
Ion Ratio Lower Upper
168 100
139 37.2 31.0 46.4
169 12.6 10.7 16.1

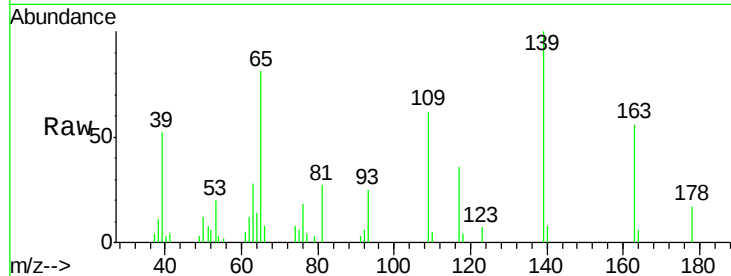




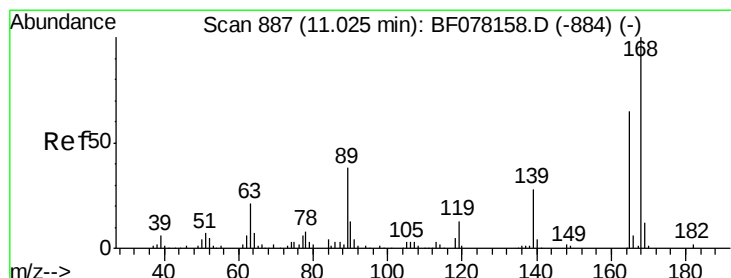
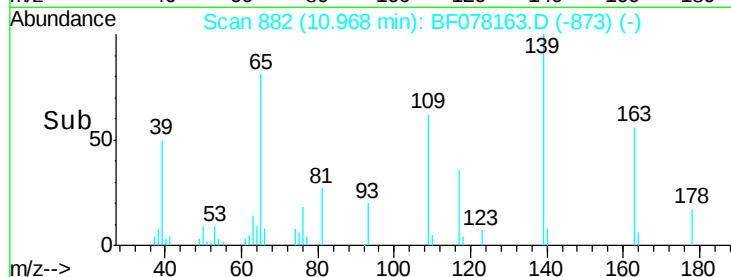
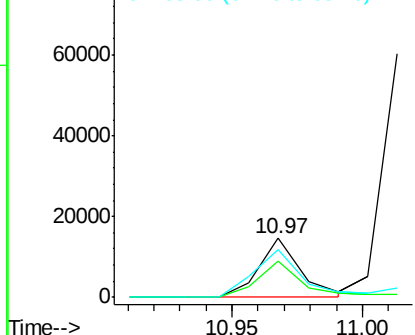
#55
4-Nitrophenol
Concen: 19.68 ng
RT: 10.97 min Scan# 882
Delta R.T. 0.00 min
Lab File: BF078163.D
Acq: 1 Apr 2015 20:31

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2015-02

Tgt Ion:139 Resp: 16106
Ion Ratio Lower Upper
139 100
109 61.7 36.7 76.7
65 80.8 49.9 89.9

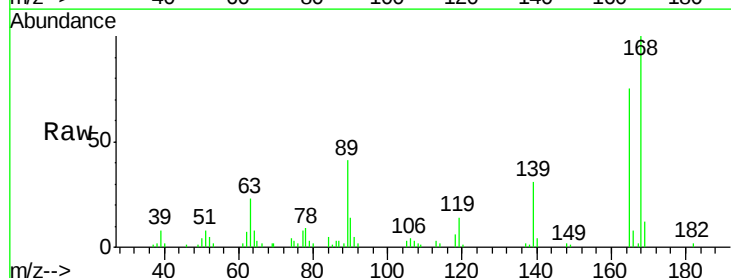


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

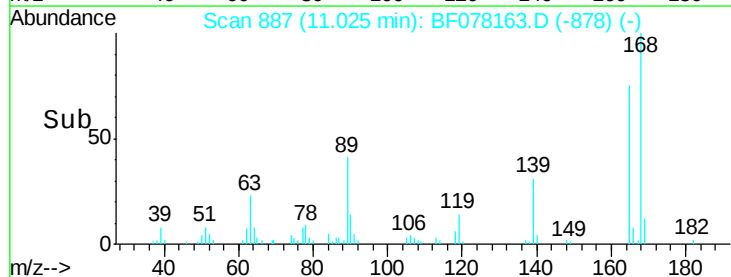
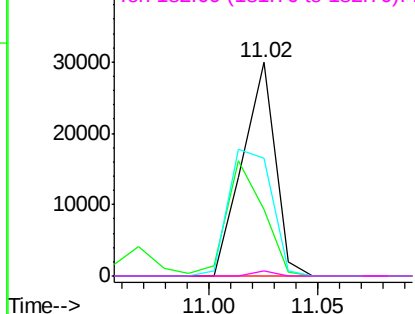


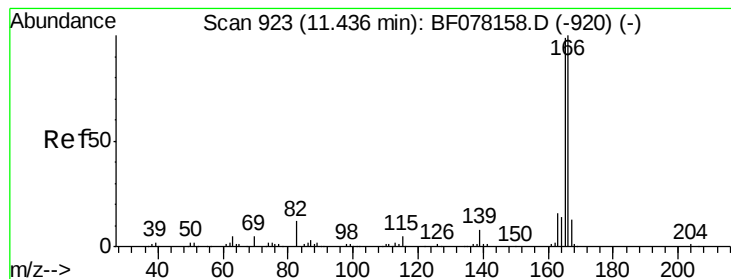
#56
2,4-Dinitrotoluene
Concen: 22.00 ng
RT: 11.02 min Scan# 887
Delta R.T. -0.00 min
Lab File: BF078163.D
Acq: 1 Apr 2015 20:31

Tgt Ion:165 Resp: 31275
Ion Ratio Lower Upper
165 100
63 31.3 26.5 39.7
89 55.4 46.4 69.6
182 2.3 2.0 3.0



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: 22.08 ng

RT: 11.44 min Scan# 923

Delta R.T. -0.00 min

Lab File: BF078163.D

Acq: 1 Apr 2015 20:31

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2015-02

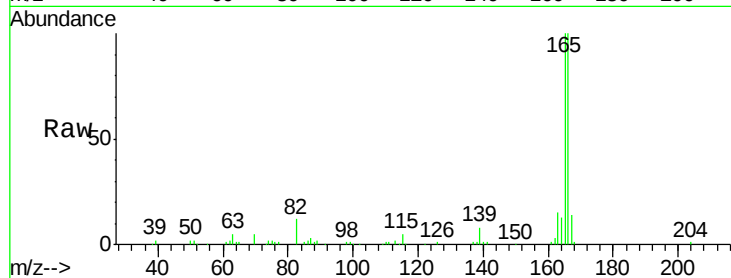
Tgt Ion:166 Resp: 113575

Ion Ratio Lower Upper

166 100

165 100.0 78.9 118.3

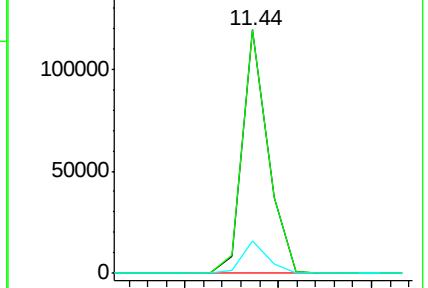
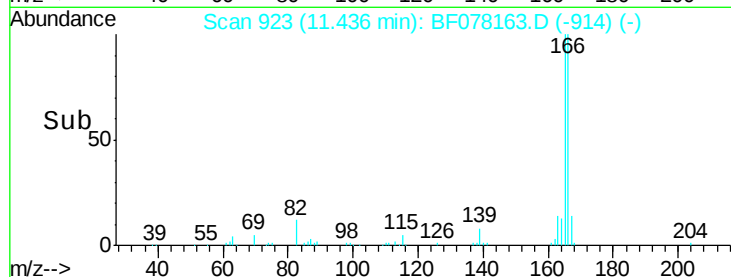
167 13.6 10.7 16.1



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: 22.74 ng

RT: 11.17 min Scan# 900

Delta R.T. -0.00 min

Lab File: BF078163.D

Acq: 1 Apr 2015 20:31

Tgt Ion:232 Resp: 24440

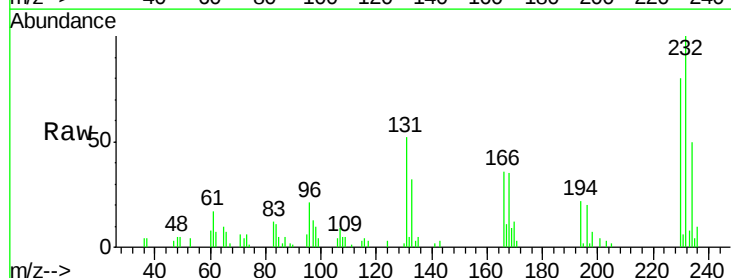
Ion Ratio Lower Upper

232 100

131 47.0 37.8 56.8

130 1.6 1.5 2.3

166 32.0 25.8 38.6

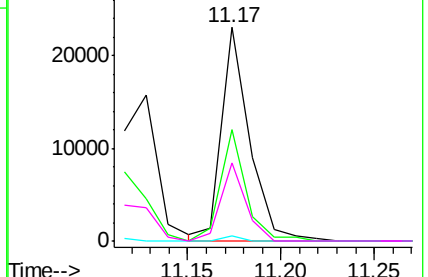
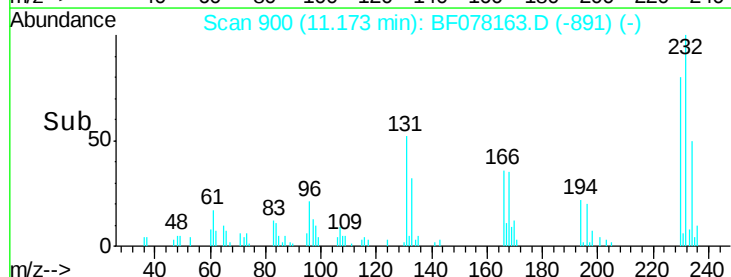


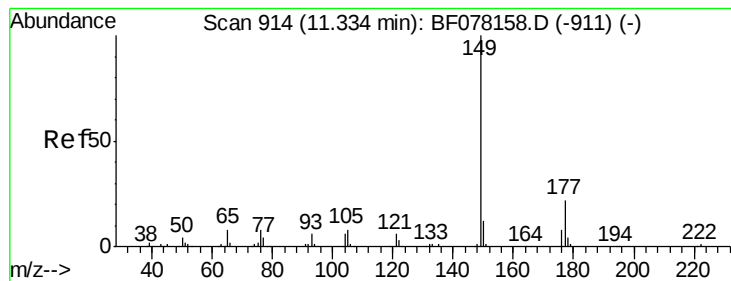
Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E





#59

Diethylphthalate

Concen: 21.43 ng

RT: 11.33 min Scan# 914

Delta R.T. -0.00 min

Lab File: BF078163.D

Acq: 1 Apr 2015 20:31

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2015-02

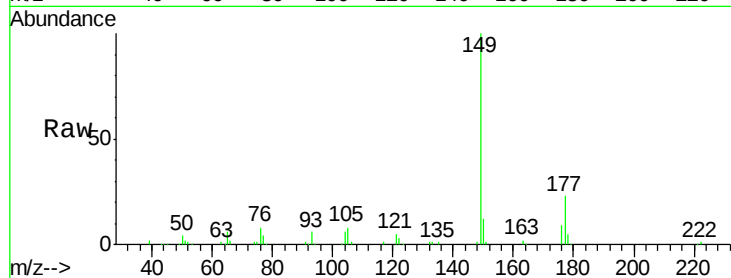
Tgt Ion:149 Resp: 110229

Ion Ratio Lower Upper

149 100

177 23.0 17.4 26.2

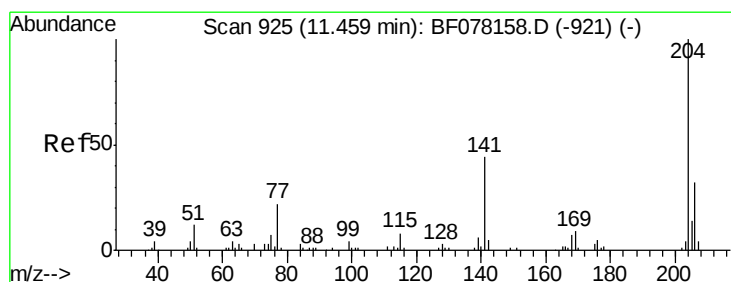
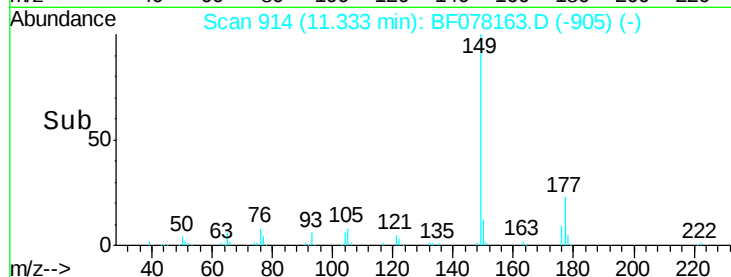
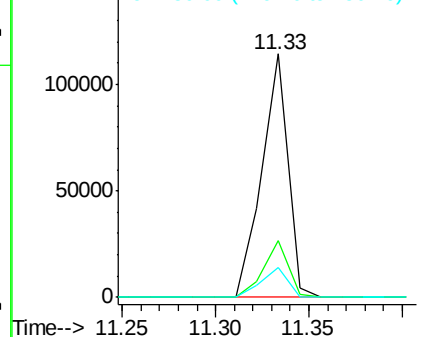
150 12.1 9.4 14.2



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



#60

4-Chlorophenyl-phenylether

Concen: 21.98 ng

RT: 11.45 min Scan# 924

Delta R.T. -0.01 min

Lab File: BF078163.D

Acq: 1 Apr 2015 20:31

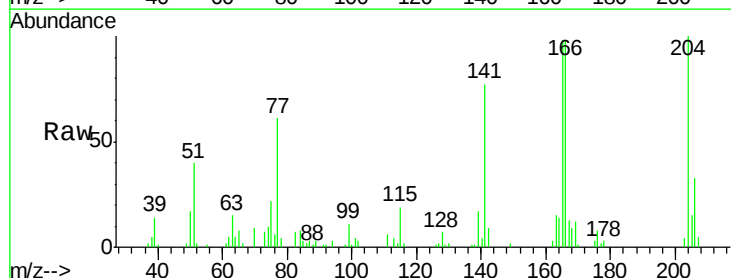
Tgt Ion:204 Resp: 52013

Ion Ratio Lower Upper

204 100

206 32.6 25.6 38.4

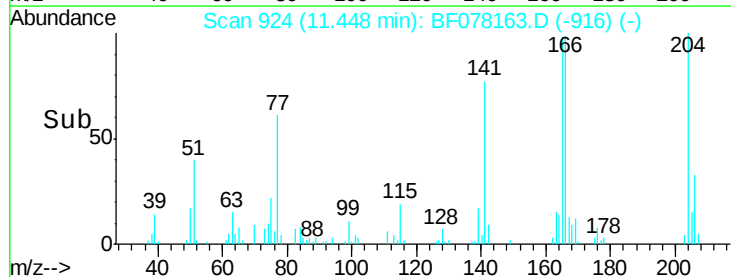
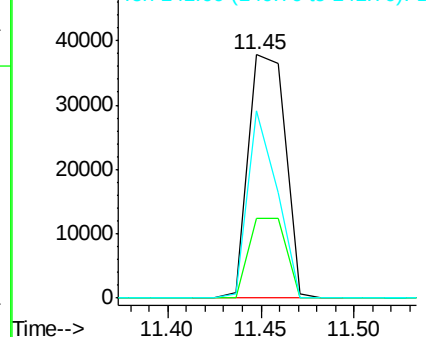
141 77.0 35.4 53.0#

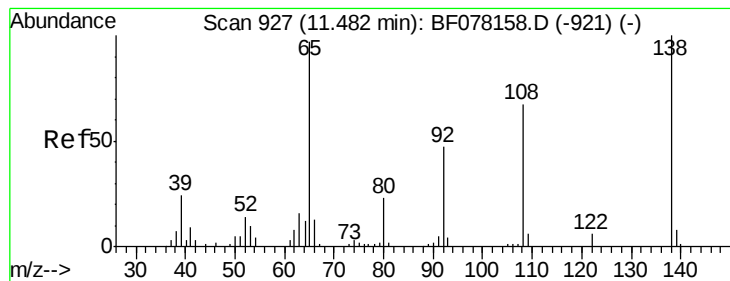


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E





#61

4-Nitroaniline

Concen: 19.85 ng

RT: 11.48 min Scan# 927

Delta R.T. -0.00 min

Lab File: BF078163.D

Acq: 1 Apr 2015 20:31

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2015-02

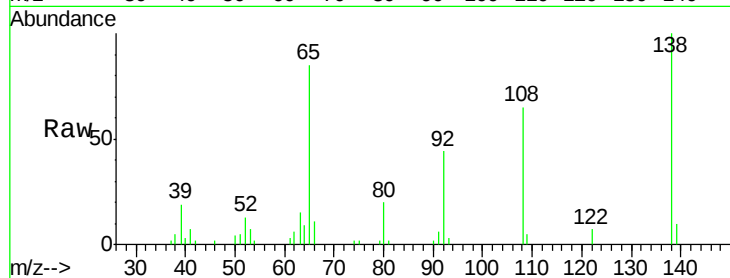
Tgt Ion:138 Resp: 25045

Ion Ratio Lower Upper

138 100

92 44.3 27.3 67.3

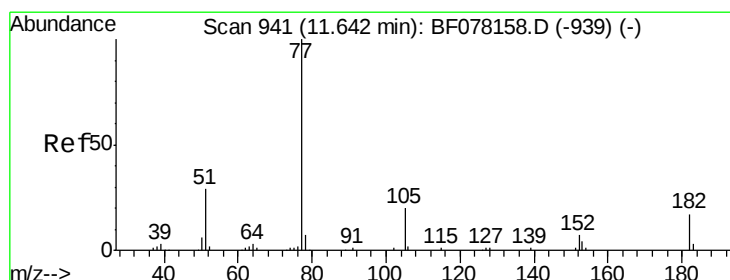
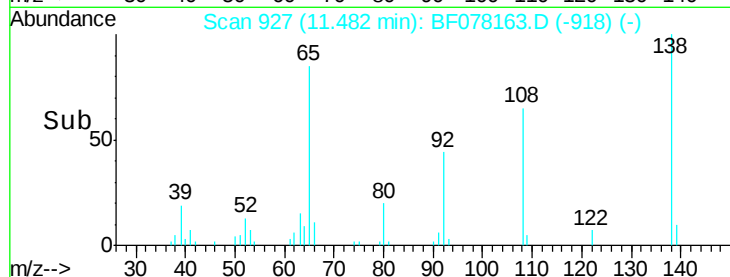
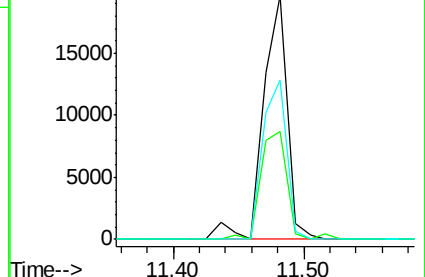
108 65.4 47.2 87.2



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: 22.67 ng

RT: 11.64 min Scan# 941

Delta R.T. -0.00 min

Lab File: BF078163.D

Acq: 1 Apr 2015 20:31

Tgt Ion: 77 Resp: 106455

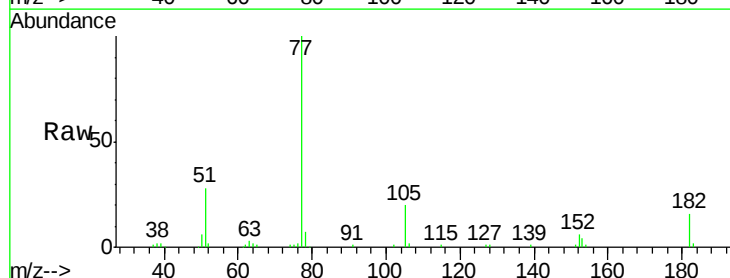
Ion Ratio Lower Upper

77 100

182 16.3 0.0 36.8

105 20.5 0.3 40.3

51 27.8 9.1 49.1

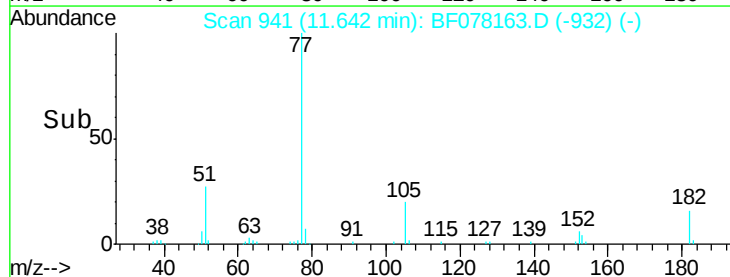
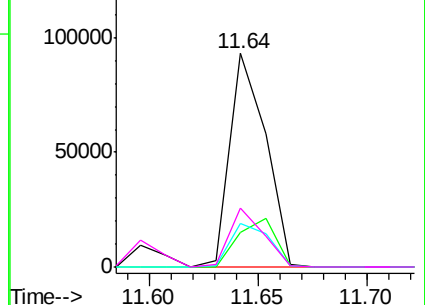


Abundance Ion 77.00 (76.70 to 77.70): BF0

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

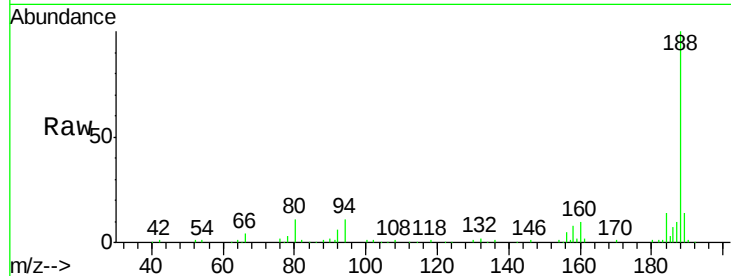




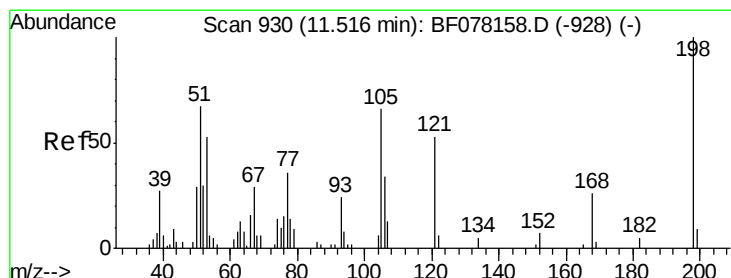
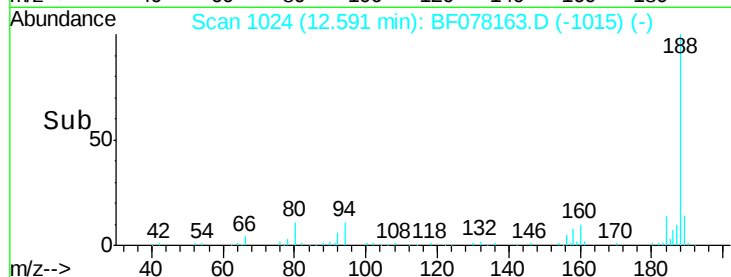
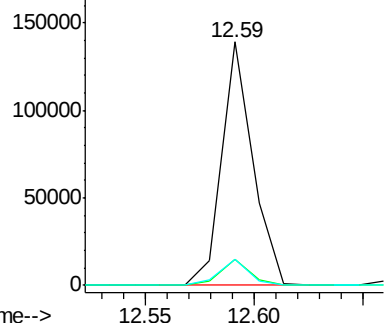
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.59 min Scan# 1024
Delta R.T. -0.00 min
Lab File: BF078163.D
Acq: 1 Apr 2015 20:31

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2015-02

Tgt Ion:188 Resp: 137635
Ion Ratio Lower Upper
188 100
94 10.7 9.0 13.4
80 10.7 9.5 14.3

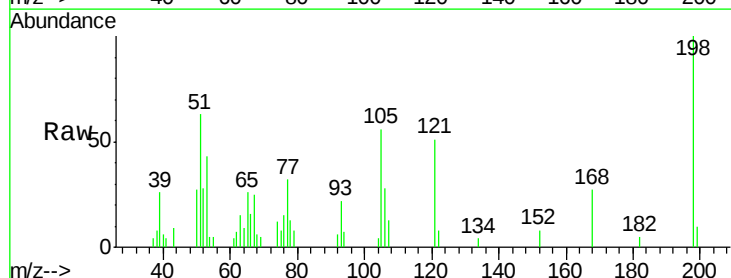


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

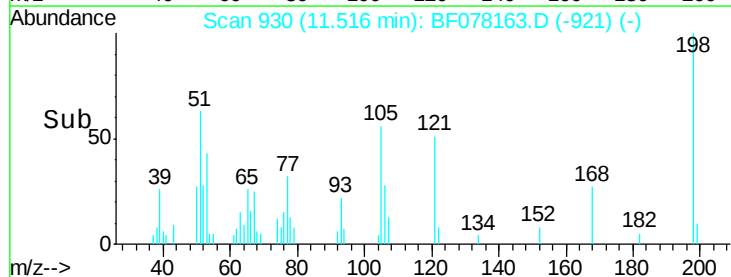
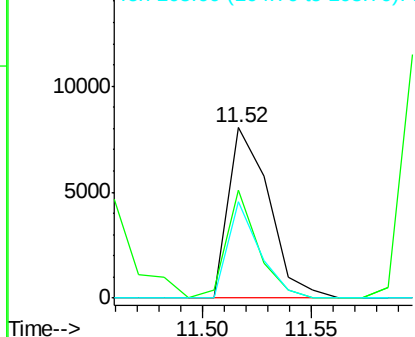


#64
4,6-Dinitro-2-methylphenol
Concen: 21.07 ng
RT: 11.52 min Scan# 930
Delta R.T. 0.00 min
Lab File: BF078163.D
Acq: 1 Apr 2015 20:31

Tgt Ion:198 Resp: 10403
Ion Ratio Lower Upper
198 100
51 63.4 48.6 88.6
105 56.5 45.8 85.8



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





#65

n-Nitrosodiphenylamine

Concen: 20.15 ng

RT: 11.61 min Scan# 938

Delta R.T. -0.00 min

Lab File: BF078163.D

Acq: 1 Apr 2015 20:31

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2015-02

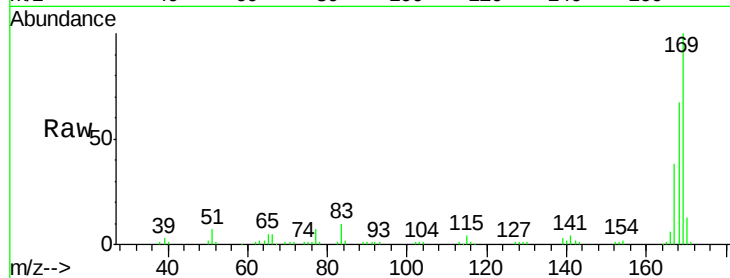
Tgt Ion:169 Resp: 95920

Ion Ratio Lower Upper

169 100

168 66.6 55.0 82.4

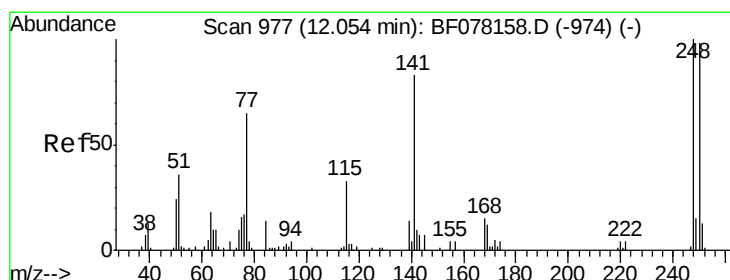
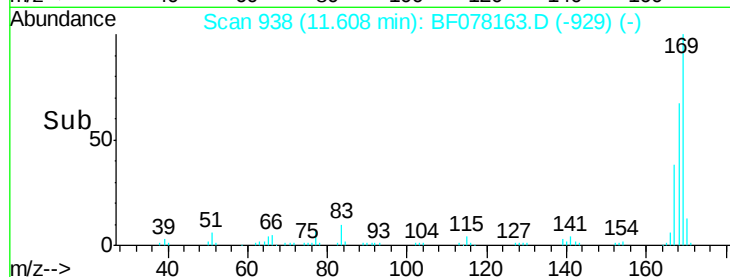
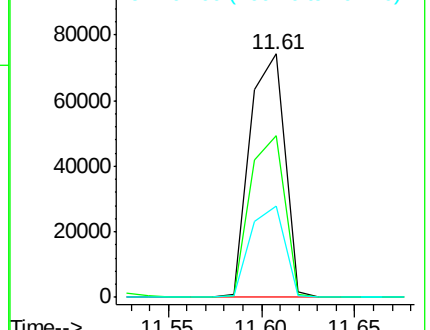
167 37.7 29.3 43.9



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: 21.53 ng

RT: 12.05 min Scan# 977

Delta R.T. -0.00 min

Lab File: BF078163.D

Acq: 1 Apr 2015 20:31

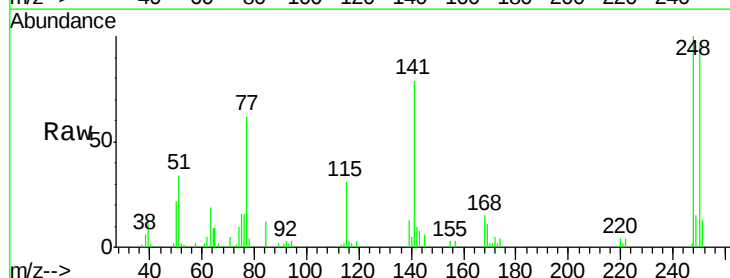
Tgt Ion:248 Resp: 31384

Ion Ratio Lower Upper

248 100

250 95.6 78.2 117.2

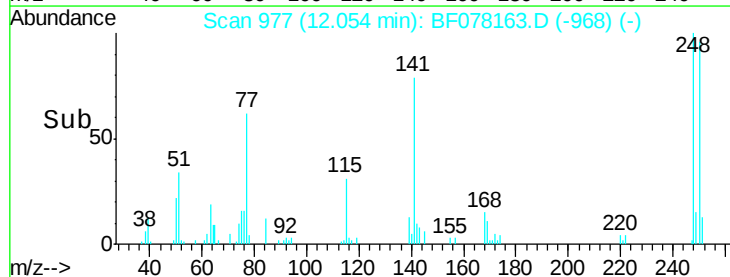
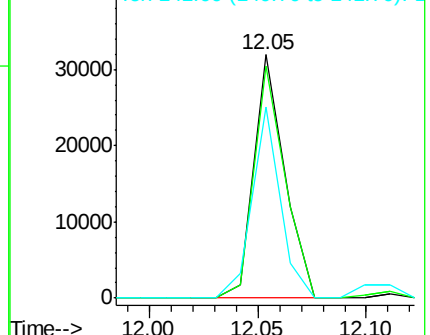
141 78.6 66.4 99.6



Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

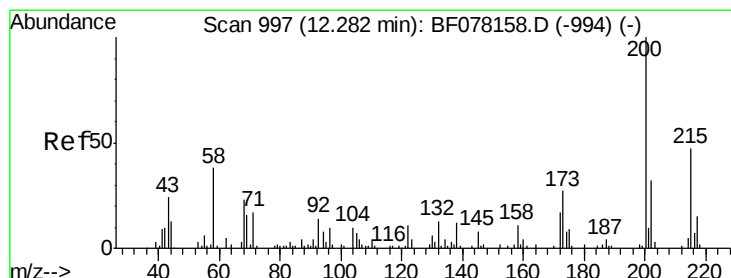
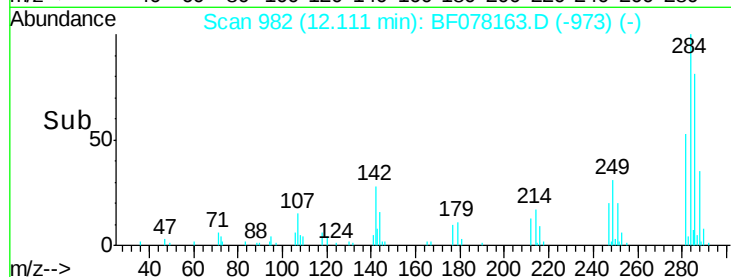
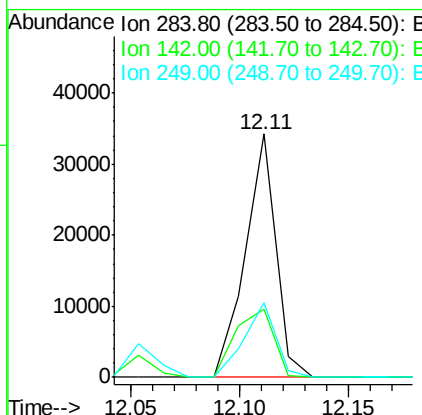
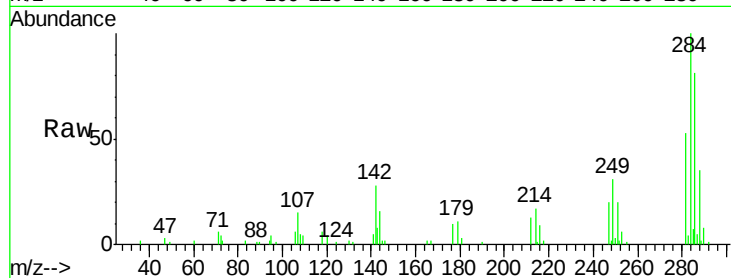




#67
Hexachlorobenzene
Concen: 20.92 ng
RT: 12.11 min Scan# 982
Delta R.T. -0.00 min
Lab File: BF078163.D
Acq: 1 Apr 2015 20:31

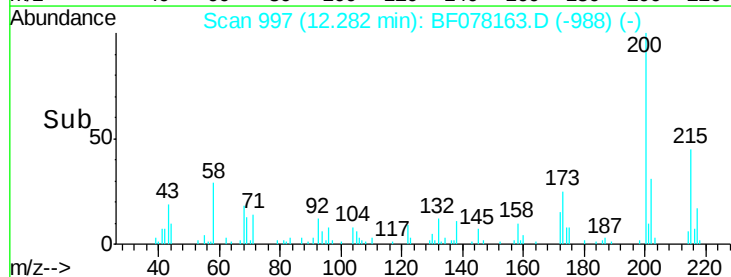
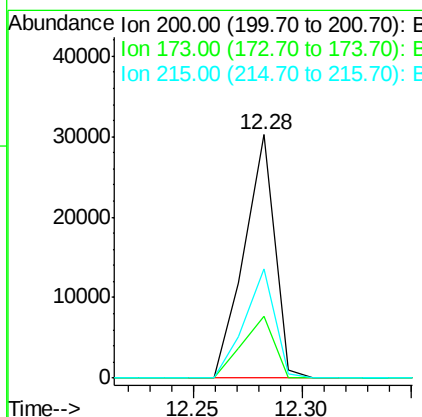
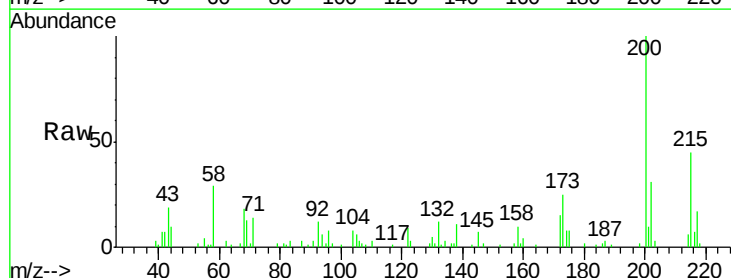
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2015-02

Tgt Ion:284 Resp: 33419
Ion Ratio Lower Upper
284 100
142 27.8 24.5 36.7
249 30.5 24.8 37.2



#68
Atrazine
Concen: 21.45 ng
RT: 12.28 min Scan# 997
Delta R.T. -0.00 min
Lab File: BF078163.D
Acq: 1 Apr 2015 20:31

Tgt Ion:200 Resp: 29576
Ion Ratio Lower Upper
200 100
173 25.2 6.9 46.9
215 44.9 27.1 67.1

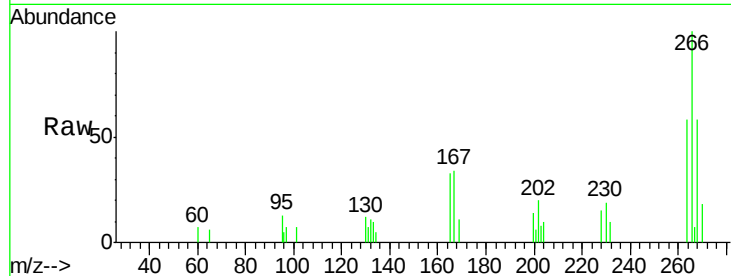




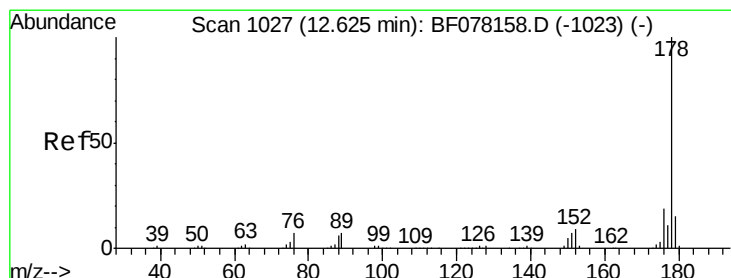
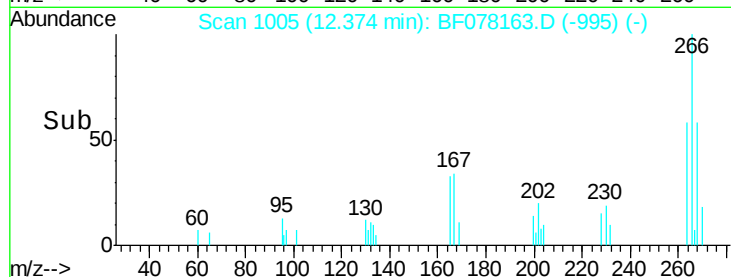
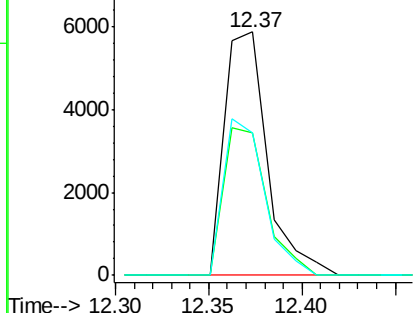
#69
 Pentachlorophenol
 Concen: 19.83 ng
 RT: 12.37 min Scan# 1005
 Delta R.T. 0.01 min
 Lab File: BF078163.D
 Acq: 1 Apr 2015 20:31

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2015-02

Tgt Ion: 266 Resp: 9469
 Ion Ratio Lower Upper
 266 100
 268 58.5 50.1 75.1
 264 58.4 50.0 75.0

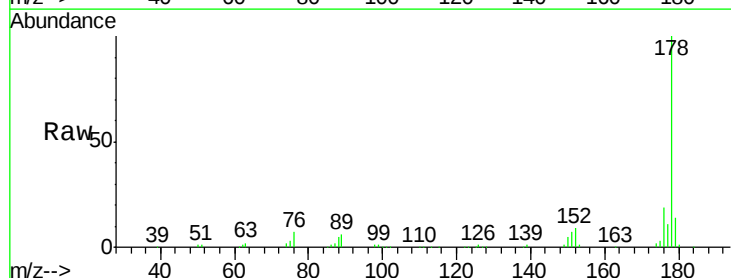


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

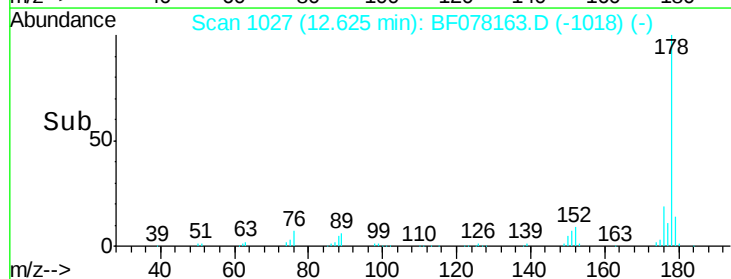
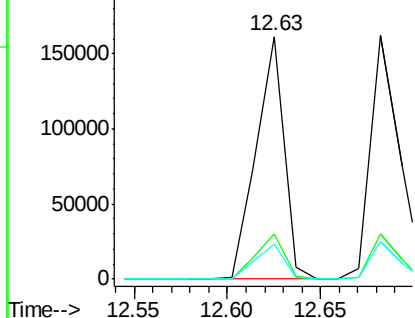


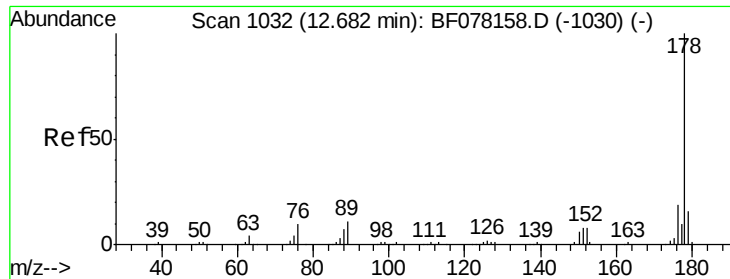
#70
 Phenanthrene
 Concen: 20.90 ng
 RT: 12.63 min Scan# 1027
 Delta R.T. -0.00 min
 Lab File: BF078163.D
 Acq: 1 Apr 2015 20:31

Tgt Ion: 178 Resp: 166388
 Ion Ratio Lower Upper
 178 100
 176 18.5 15.4 23.0
 179 14.4 12.2 18.2



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

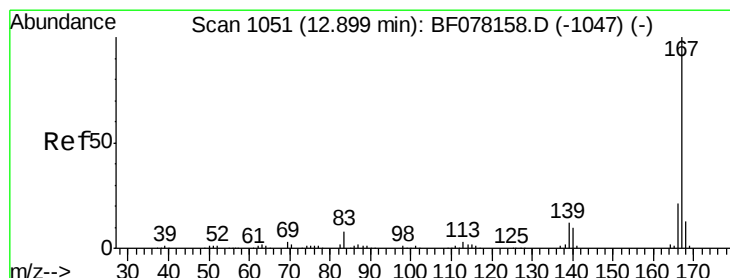
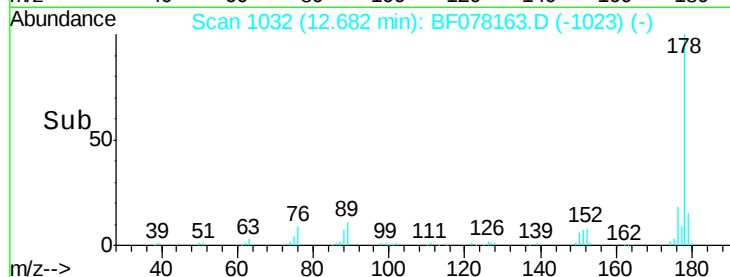
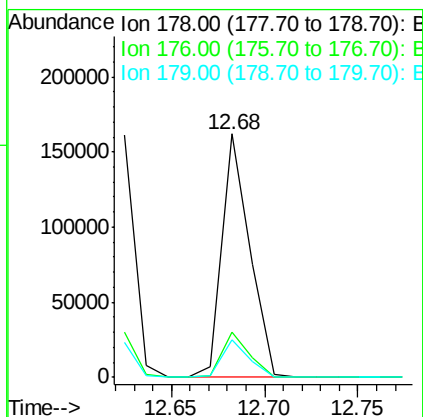
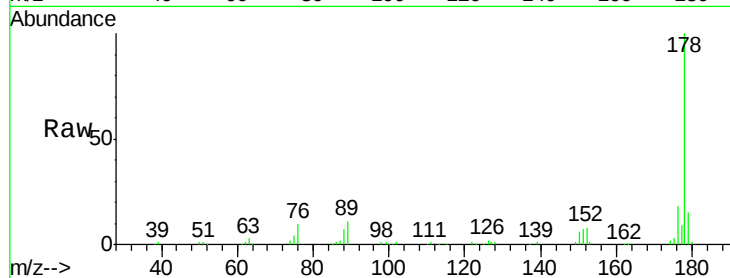




#71
 Anthracene
 Concen: 21.62 ng
 RT: 12.68 min Scan# 1032
 Delta R.T. -0.00 min
 Lab File: BF078163.D
 Acq: 1 Apr 2015 20:31

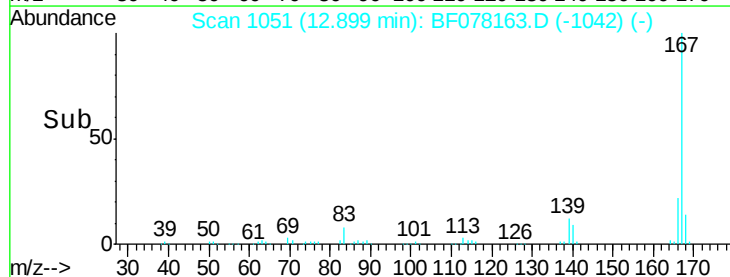
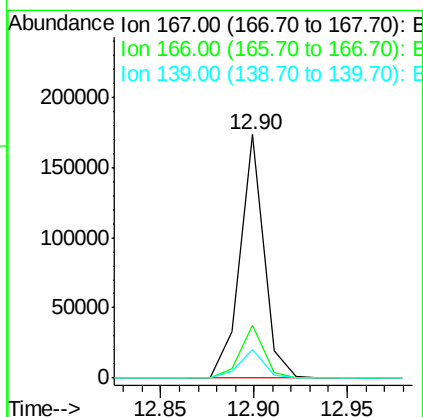
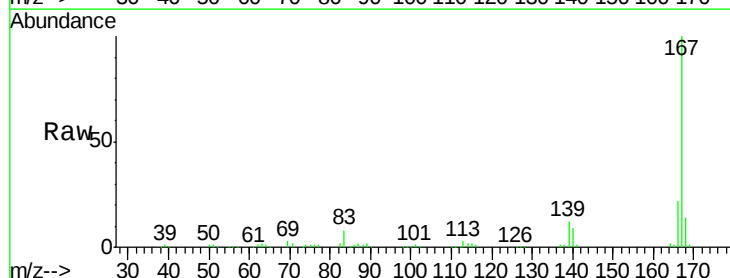
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2015-02

Tgt Ion:178 Resp: 169621
 Ion Ratio Lower Upper
 178 100
 176 18.5 14.8 22.2
 179 15.3 12.4 18.6



#72
 Carbazole
 Concen: 21.25 ng
 RT: 12.90 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: BF078163.D
 Acq: 1 Apr 2015 20:31

Tgt Ion:167 Resp: 156255
 Ion Ratio Lower Upper
 167 100
 166 21.5 16.8 25.2
 139 11.8 10.0 15.0

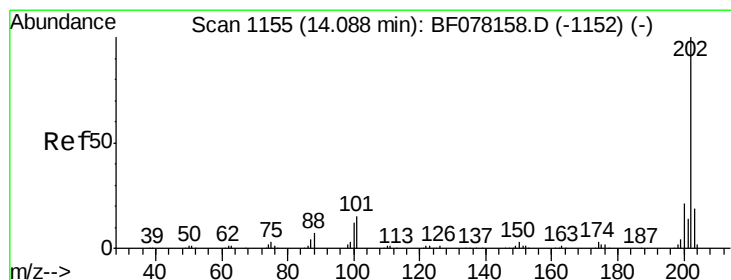
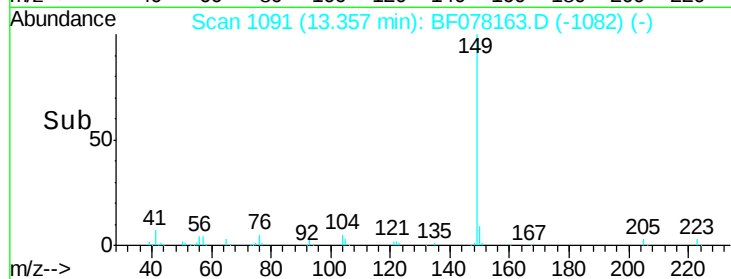
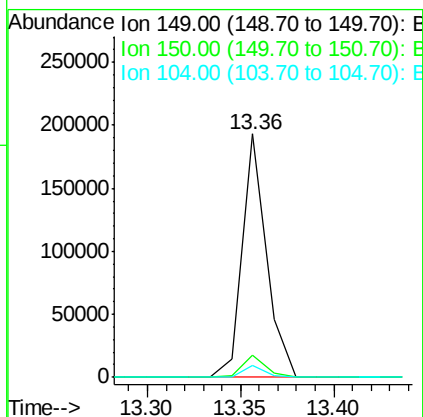
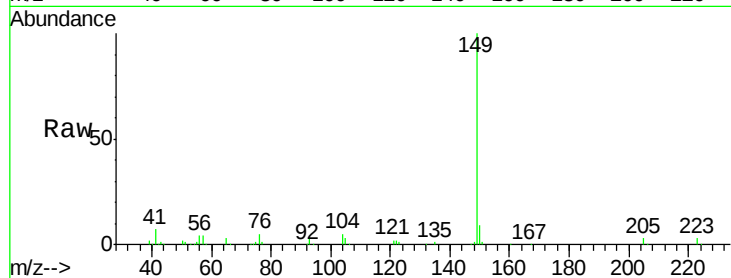




#73
Di-n-butylphthalate
Concen: 20.96 ng
RT: 13.36 min Scan# 1091
Delta R.T. -0.00 min
Lab File: BF078163.D
Acq: 1 Apr 2015 20:31

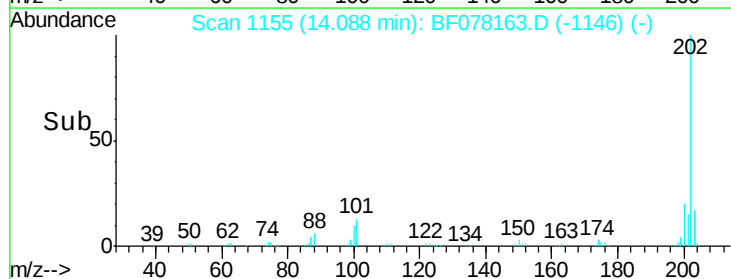
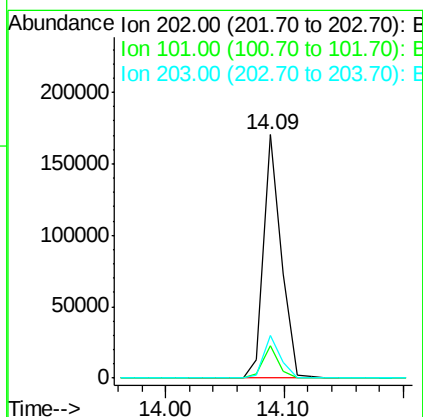
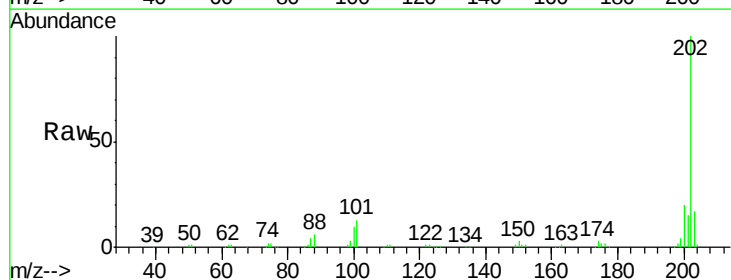
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2015-02

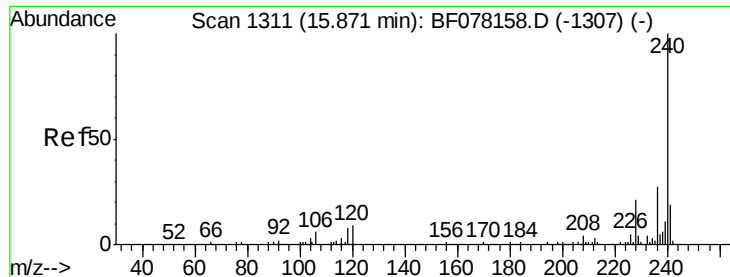
Tgt Ion:149 Resp: 174551
Ion Ratio Lower Upper
149 100
150 9.0 7.1 10.7
104 5.0 3.8 5.6



#74
Fluoranthene
Concen: 21.21 ng
RT: 14.09 min Scan# 1155
Delta R.T. -0.00 min
Lab File: BF078163.D
Acq: 1 Apr 2015 20:31

Tgt Ion:202 Resp: 178061
Ion Ratio Lower Upper
202 100
101 13.2 0.0 35.2
203 17.4 0.0 38.5

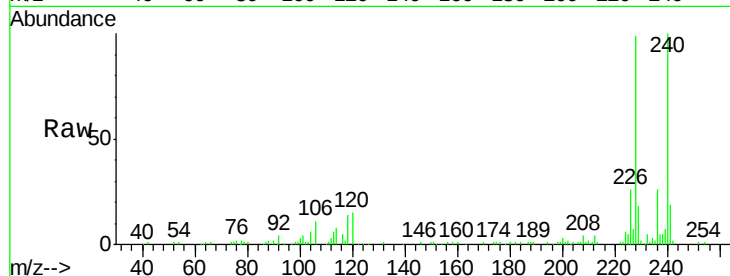




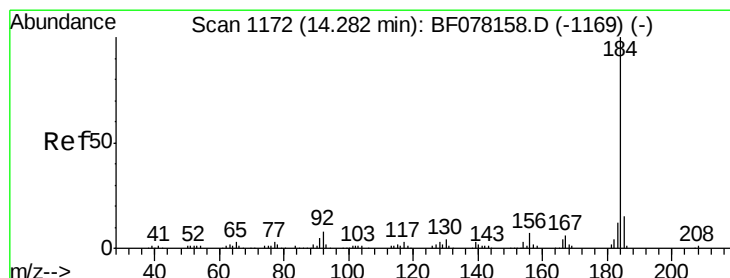
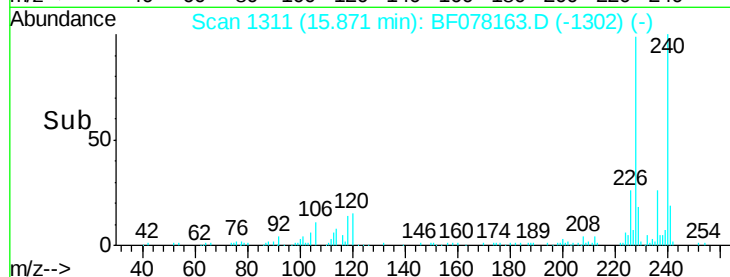
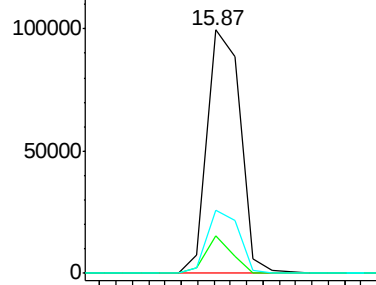
#75
Chrysene-d12
Concen: 20.00 ng
RT: 15.87 min Scan# 1311
Delta R.T. -0.00 min
Lab File: BF078163.D
Acq: 1 Apr 2015 20:31

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2015-02

Tgt Ion:240 Resp: 139888
Ion Ratio Lower Upper
240 100
120 15.3 7.1 10.7#
236 25.8 21.4 32.2

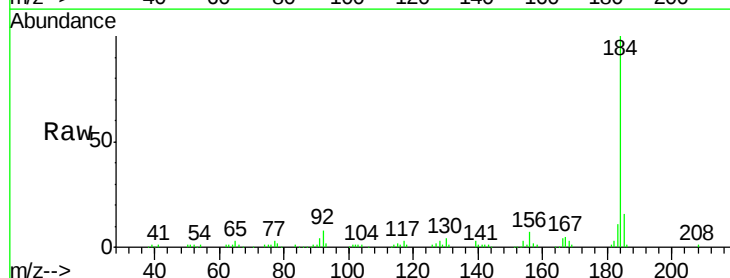


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

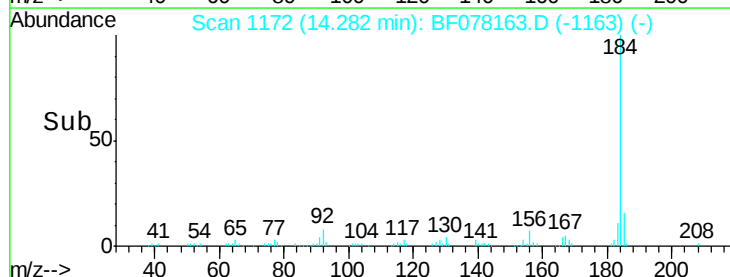
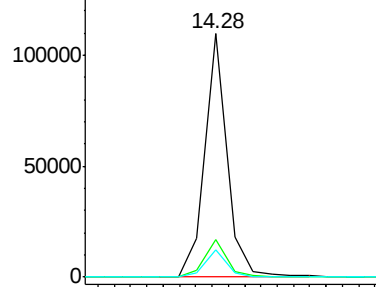


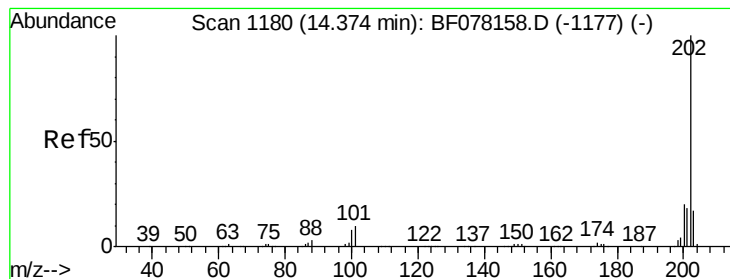
#76
Benzidine
Concen: 18.21 ng
RT: 14.28 min Scan# 1172
Delta R.T. 0.00 min
Lab File: BF078163.D
Acq: 1 Apr 2015 20:31

Tgt Ion:184 Resp: 103302
Ion Ratio Lower Upper
184 100
185 15.7 12.2 18.2
183 11.1 9.5 14.3



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E





#77

Pyrene

Concen: 21.81 ng

RT: 14.37 min Scan# 1180

Delta R.T. -0.00 min

Lab File: BF078163.D

Acq: 1 Apr 2015 20:31

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2015-02

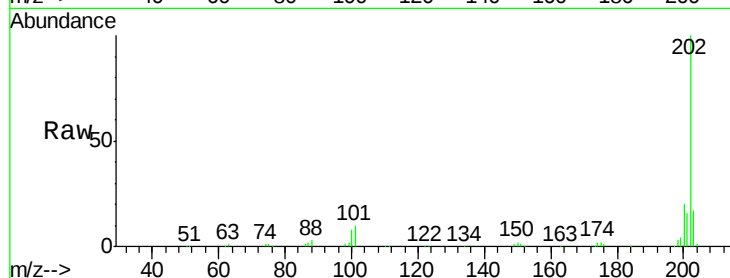
Tgt Ion:202 Resp: 191514

Ion Ratio Lower Upper

202 100

200 20.2 16.3 24.5

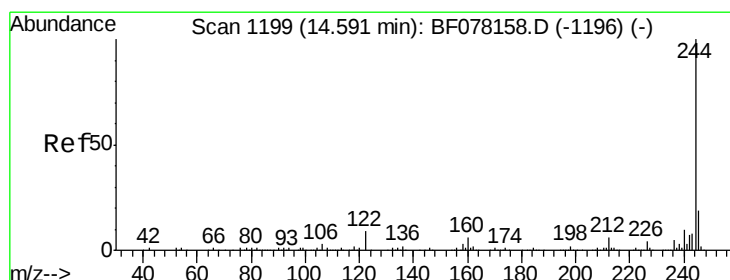
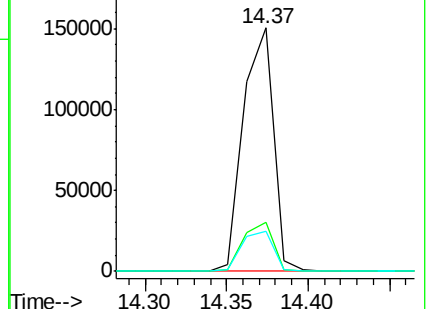
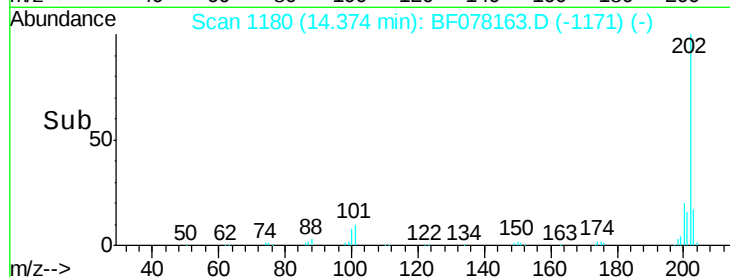
203 16.6 13.8 20.6



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: 99.16 ng

RT: 14.59 min Scan# 1199

Delta R.T. -0.00 min

Lab File: BF078163.D

Acq: 1 Apr 2015 20:31

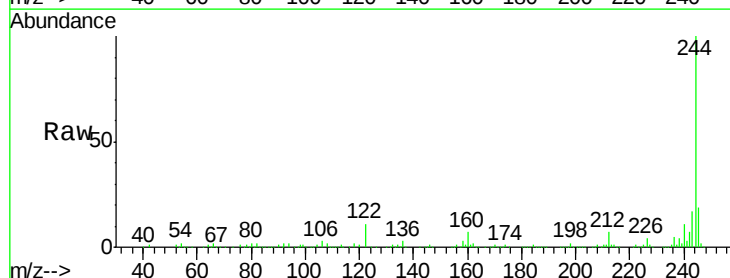
Tgt Ion:244 Resp: 613878

Ion Ratio Lower Upper

244 100

212 6.6 5.0 7.4

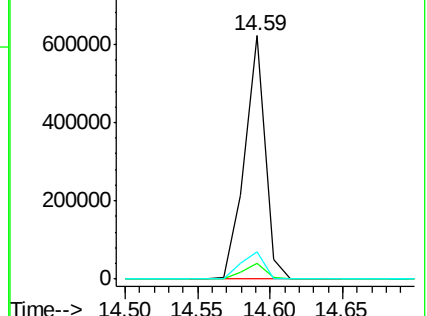
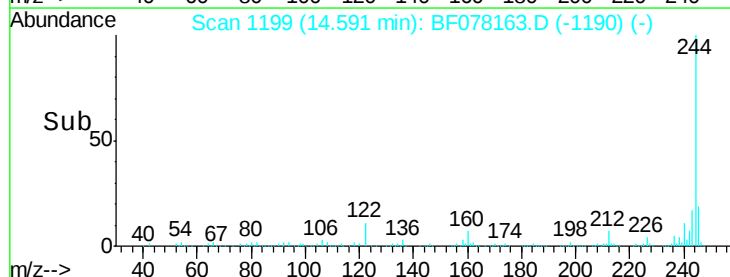
122 11.2 7.1 10.7#



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

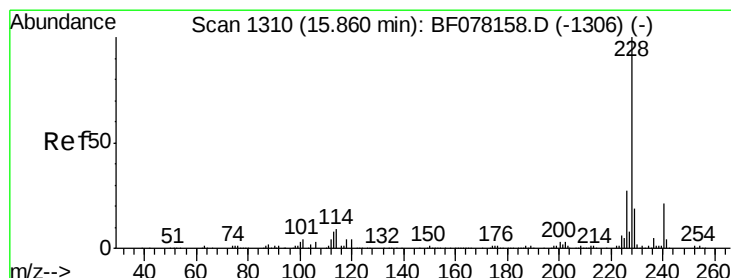
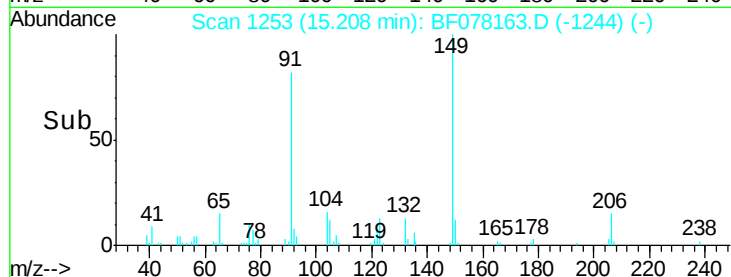
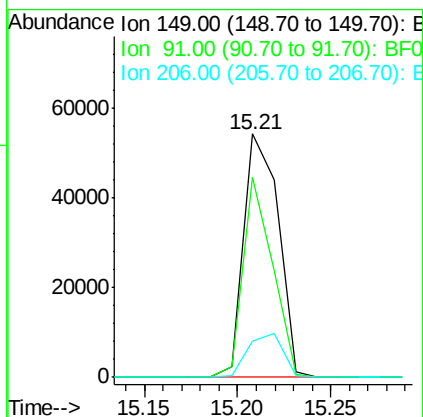
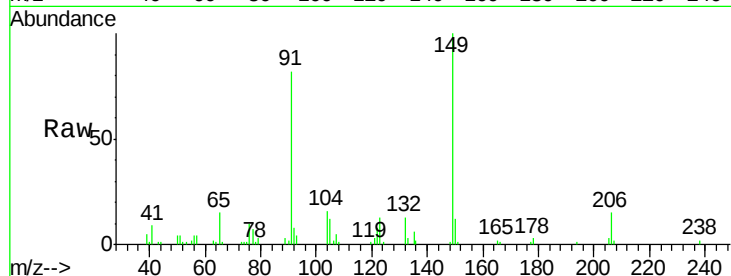




#79
Butylbenzylphthalate
Concen: 20.80 ng
RT: 15.21 min Scan# 1253
Delta R.T. -0.00 min
Lab File: BF078163.D
Acq: 1 Apr 2015 20:31

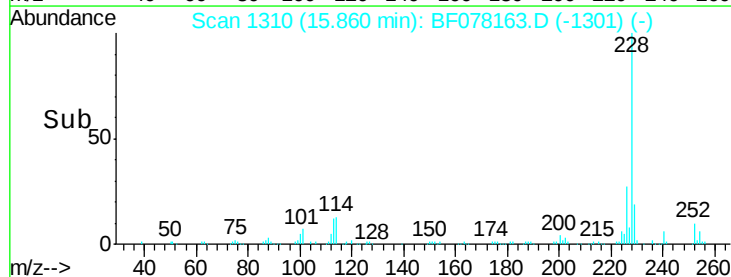
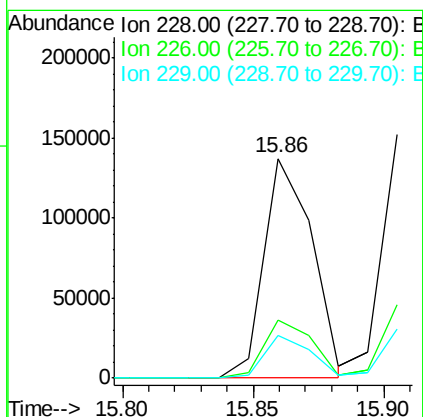
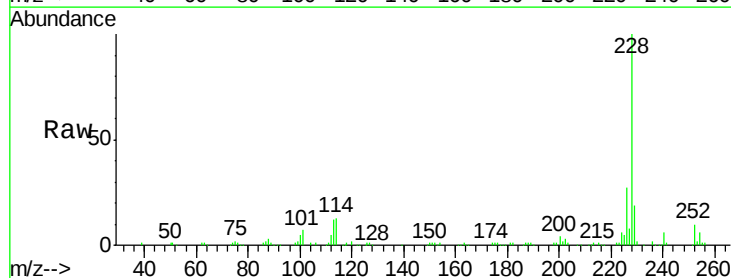
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2015-02

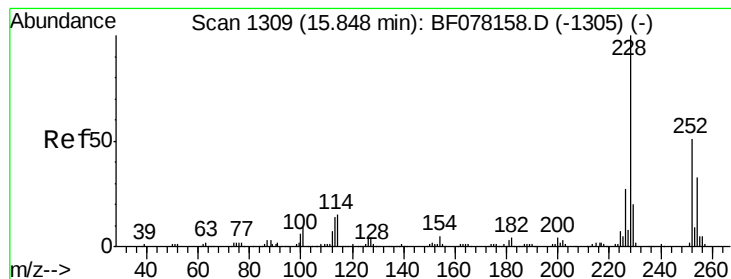
Tgt Ion:149 Resp: 69605
Ion Ratio Lower Upper
149 100
91 82.4 64.2 96.2
206 15.1 12.6 18.8



#80
Benzo(a)anthracene
Concen: 21.00 ng
RT: 15.86 min Scan# 1310
Delta R.T. -0.00 min
Lab File: BF078163.D
Acq: 1 Apr 2015 20:31

Tgt Ion:228 Resp: 174817
Ion Ratio Lower Upper
228 100
226 26.6 21.3 31.9
229 19.5 15.4 23.2

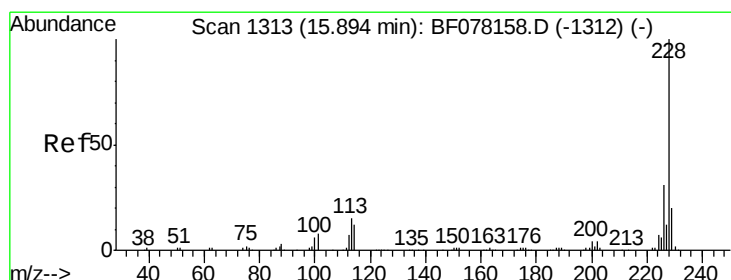
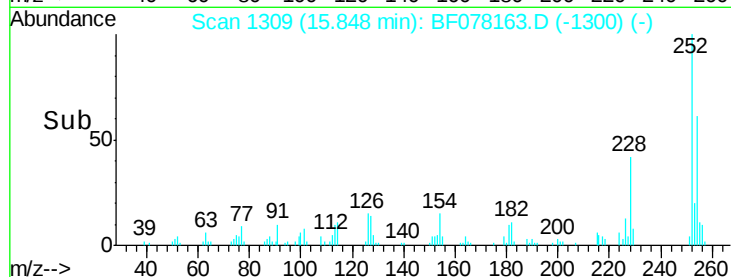
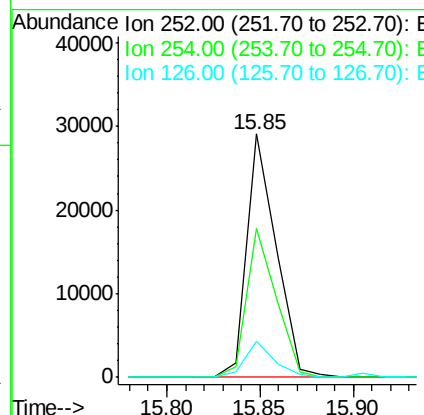
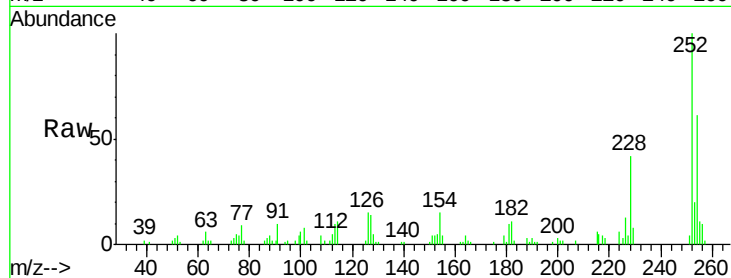




#81
 3,3'-Dichlorobenzidine
 Concen: 11.43 ng
 RT: 15.85 min Scan# 1309
 Delta R.T. -0.00 min
 Lab File: BF078163.D
 Acq: 1 Apr 2015 20:31

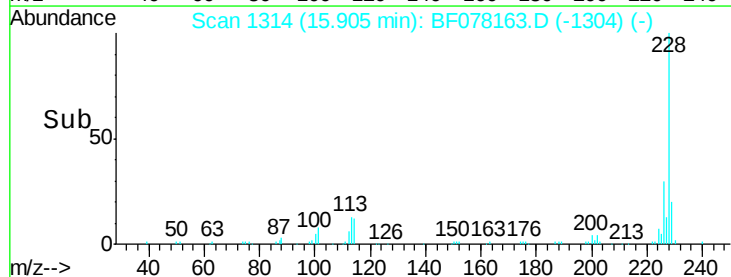
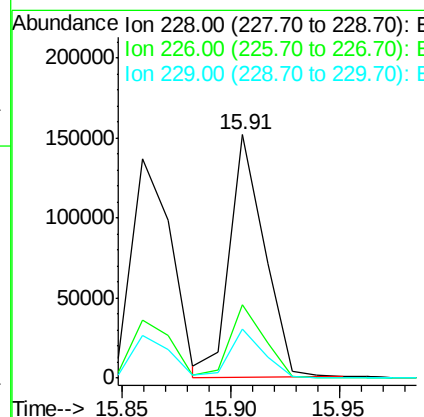
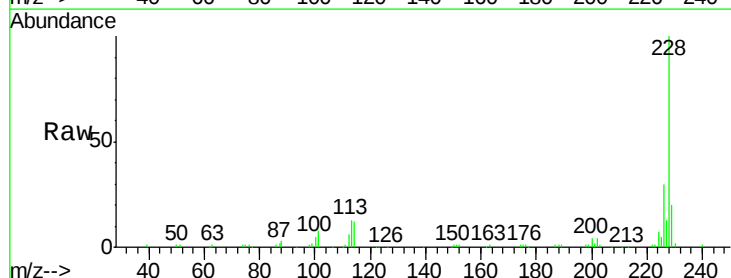
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2015-02

Tgt Ion: 252 Resp: 31863
 Ion Ratio Lower Upper
 252 100
 254 61.3 51.2 76.8
 126 14.9 6.3 9.5#



#82
 Chrysene
 Concen: 21.29 ng
 RT: 15.91 min Scan# 1314
 Delta R.T. 0.01 min
 Lab File: BF078163.D
 Acq: 1 Apr 2015 20:31

Tgt Ion: 228 Resp: 166485
 Ion Ratio Lower Upper
 228 100
 226 30.3 24.2 36.4
 229 20.2 15.8 23.8





#83

Bis(2-ethylhexyl)phthalate

Concen: 21.33 ng

RT: 15.95 min Scan# 1318

Delta R.T. 0.01 min

Lab File: BF078163.D

Acq: 1 Apr 2015 20:31

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2015-02

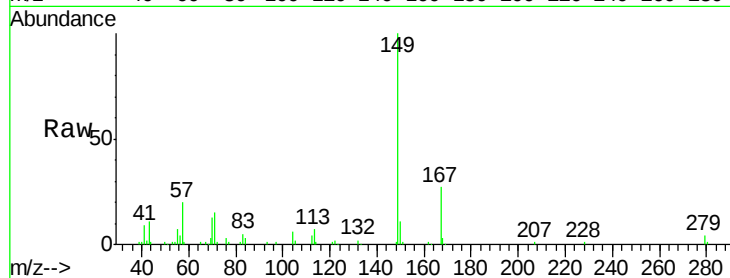
Tgt Ion:149 Resp: 111978

Ion Ratio Lower Upper

149 100

167 27.0 22.2 33.2

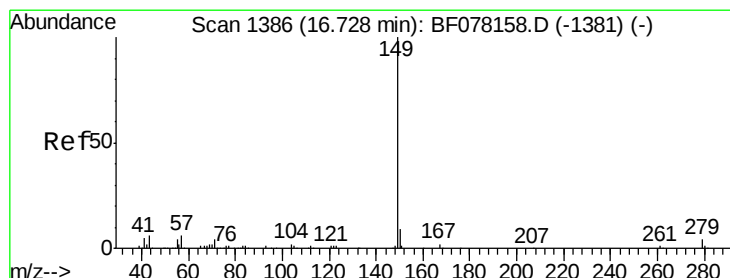
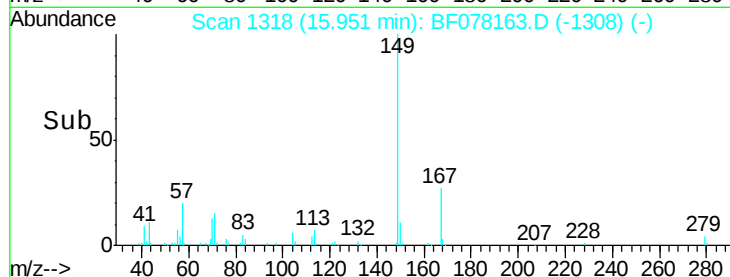
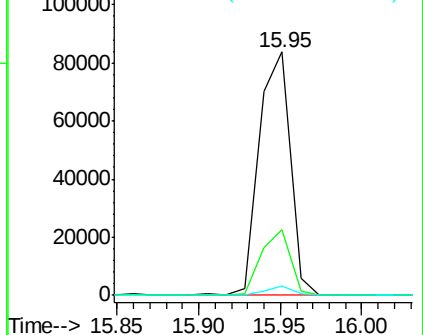
279 3.9 3.2 4.8



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#84

Di-n-octyl phthalate

Concen: 20.71 ng

RT: 16.76 min Scan# 1389

Delta R.T. 0.03 min

Lab File: BF078163.D

Acq: 1 Apr 2015 20:31

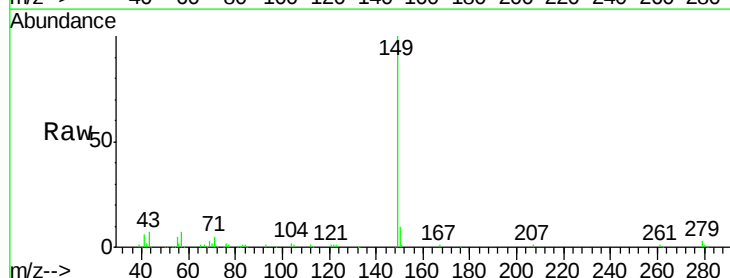
Tgt Ion:149 Resp: 178527

Ion Ratio Lower Upper

149 100

167 1.5 0.0 0.0#

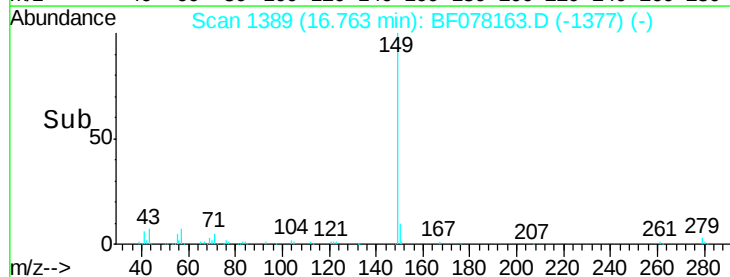
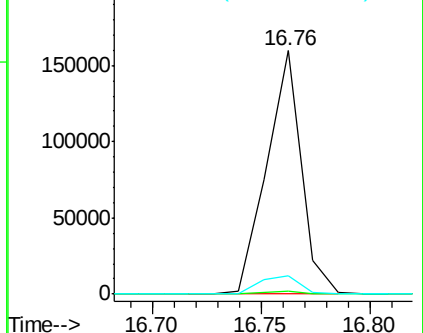
43 9.0 0.0 0.0#

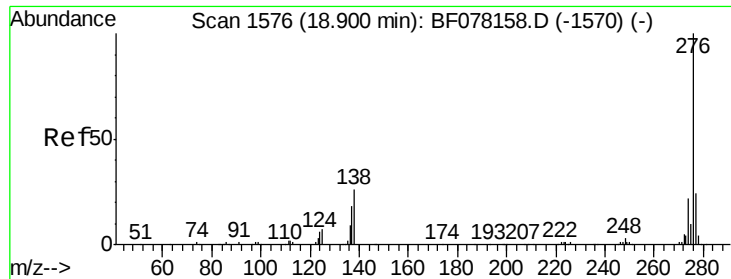


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0

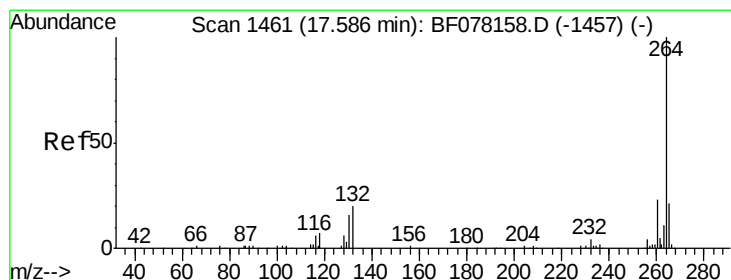
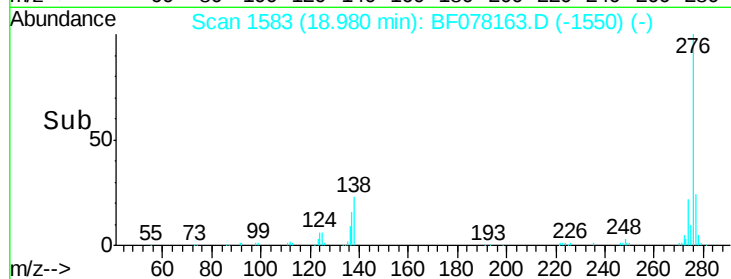
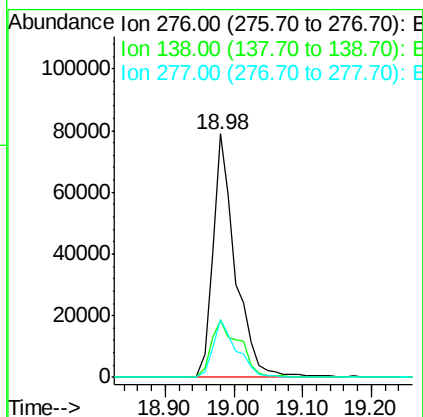
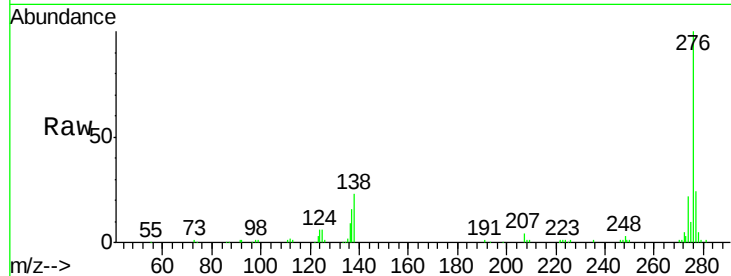




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 20.44 ng
 RT: 18.98 min Scan# 1583
 Delta R.T. 0.08 min
 Lab File: BF078163.D
 Acq: 1 Apr 2015 20:31

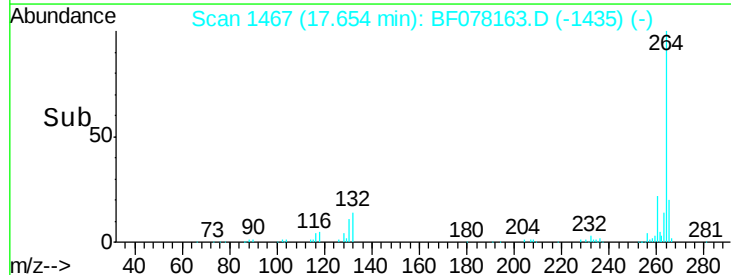
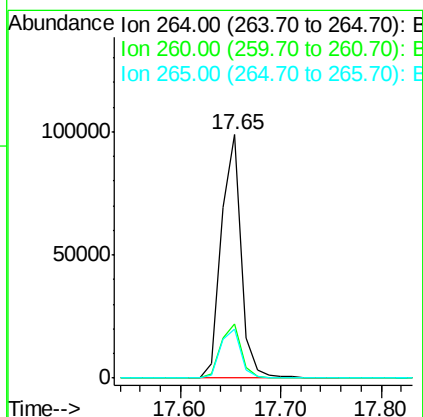
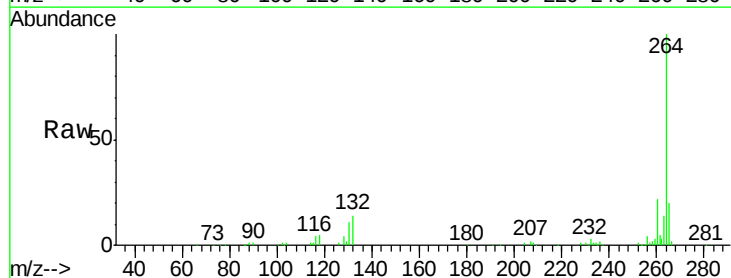
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2015-02

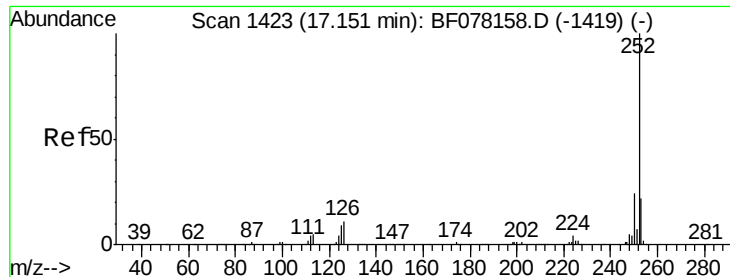
Tgt Ion: 276 Resp: 181354
 Ion Ratio Lower Upper
 276 100
 138 29.7 16.9 25.3#
 277 24.9 15.8 23.6#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 17.65 min Scan# 1467
 Delta R.T. 0.07 min
 Lab File: BF078163.D
 Acq: 1 Apr 2015 20:31

Tgt Ion: 264 Resp: 135123
 Ion Ratio Lower Upper
 264 100
 260 22.0 18.6 27.8
 265 20.0 17.0 25.6





#87

Benzo(b)fluoranthene

Concen: 20.16 ng

RT: 17.20 min Scan# 1427

Delta R.T. 0.05 min

Lab File: BF078163.D

Acq: 1 Apr 2015 20:31

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2015-02

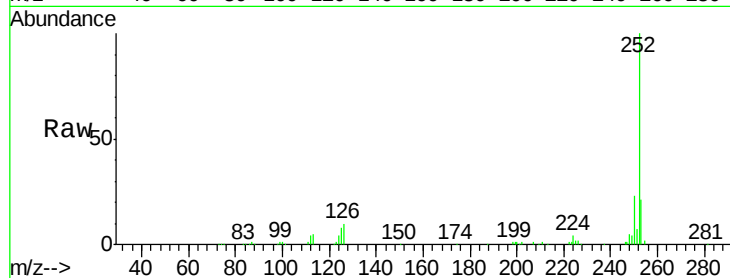
Tgt Ion:252 Resp: 168343

Ion Ratio Lower Upper

252 100

253 20.9 17.2 25.8

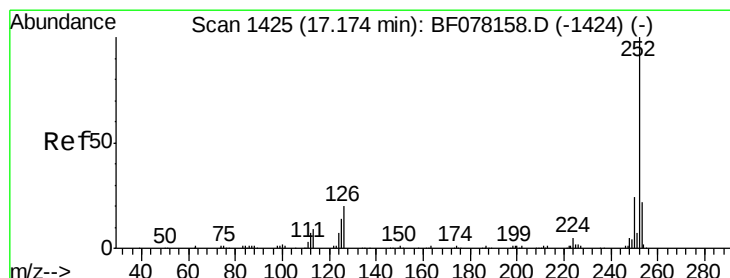
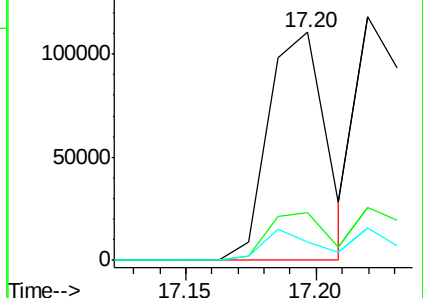
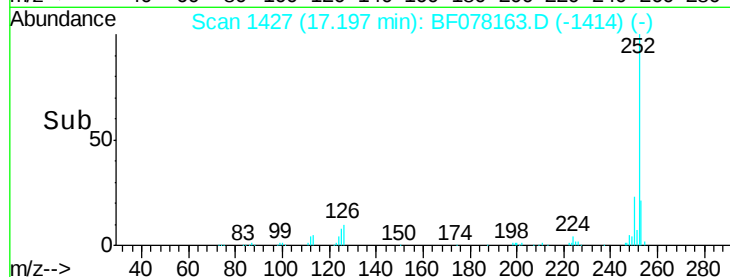
125 8.3 7.0 10.4



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 22.68 ng

RT: 17.20 min Scan# 1427

Delta R.T. 0.02 min

Lab File: BF078163.D

Acq: 1 Apr 2015 20:31

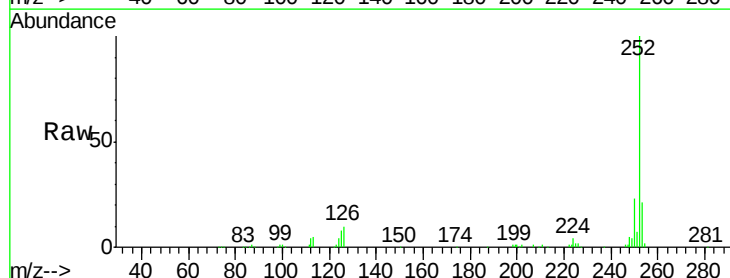
Tgt Ion:252 Resp: 168331

Ion Ratio Lower Upper

252 100

253 20.9 17.5 26.3

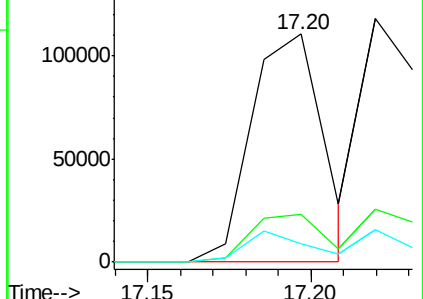
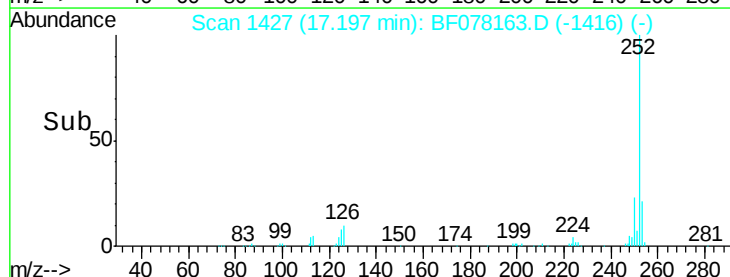
125 8.3 11.6 17.4#

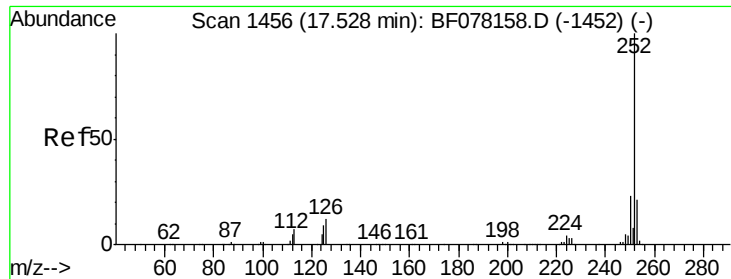


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

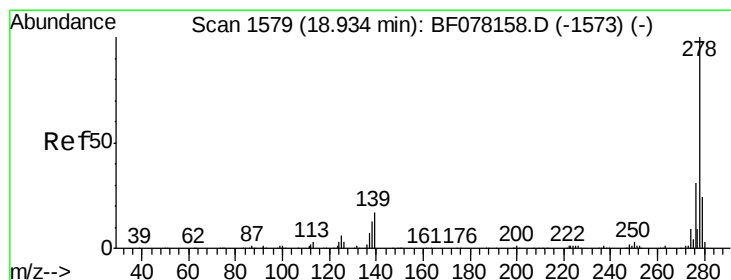
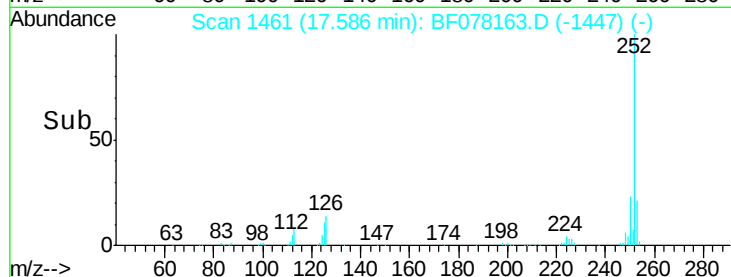
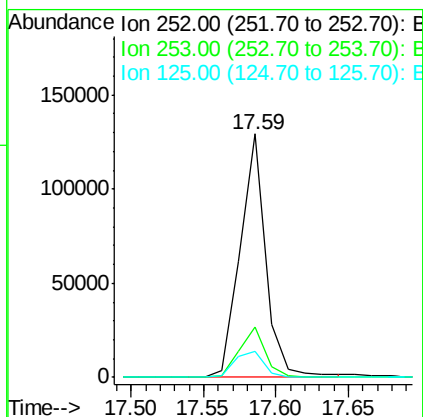
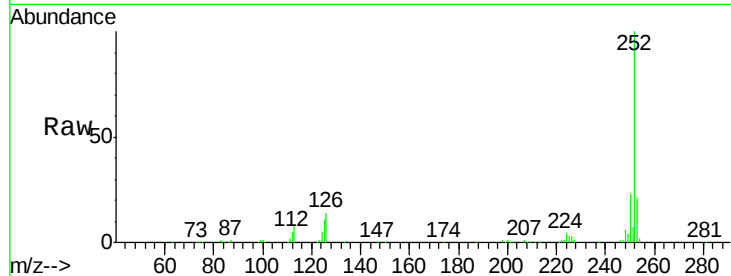




#89
Benzo(a)pyrene
Concen: 21.83 ng
RT: 17.59 min Scan# 1461
Delta R.T. 0.06 min
Lab File: BF078163.D
Acq: 1 Apr 2015 20:31

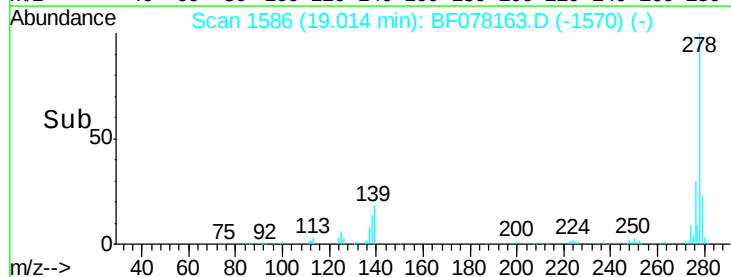
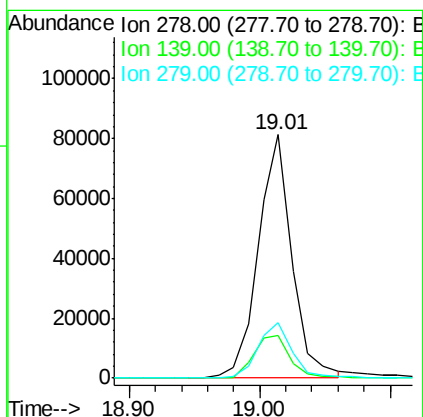
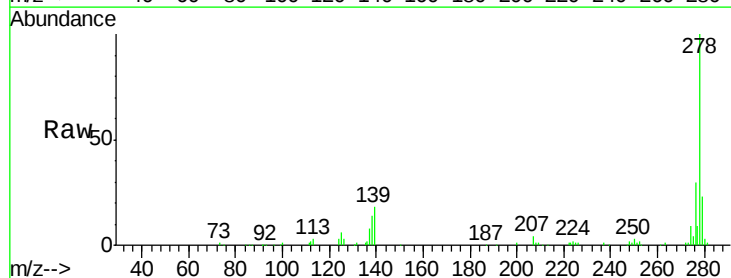
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2015-02

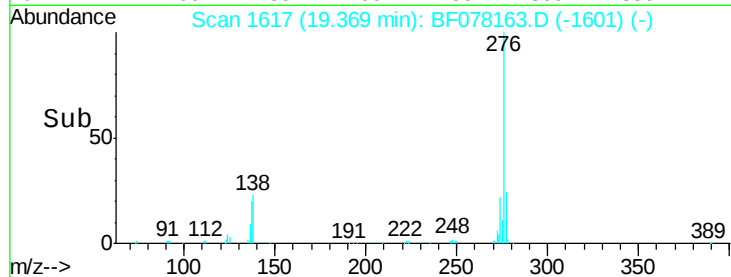
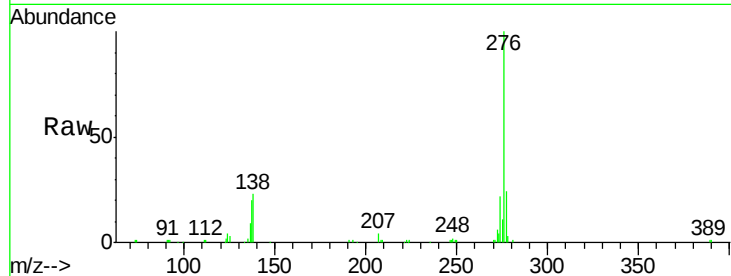
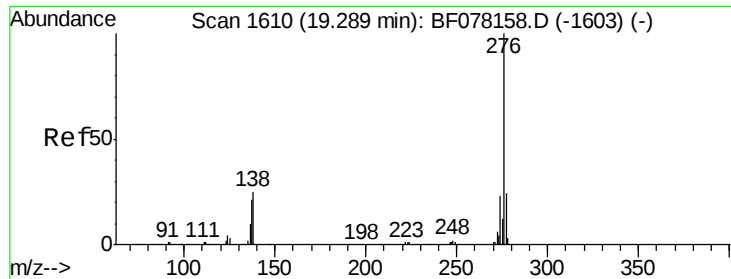
Tgt Ion:252 Resp: 159126
Ion Ratio Lower Upper
252 100
253 20.7 16.8 25.2
125 10.8 7.4 11.0



#90
Dibenzo(a,h)anthracene
Concen: 20.09 ng
RT: 19.01 min Scan# 1586
Delta R.T. 0.08 min
Lab File: BF078163.D
Acq: 1 Apr 2015 20:31

Tgt Ion:278 Resp: 146593
Ion Ratio Lower Upper
278 100
139 17.7 13.6 20.4
279 22.9 19.0 28.6





#91

Benzo(g,h,i)perylene

Concen: 20.83 ng

RT: 19.37 min Scan# 1617

Delta R.T. 0.08 min

Lab File: BF078163.D

Acq: 1 Apr 2015 20:31

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2015-02

Tgt Ion:276 Resp: 152379

Ion Ratio Lower Upper

276 100

277 24.4 19.0 28.4

138 23.2 19.9 29.9

