

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062215\
 Data File : BF080095.D
 Acq On : 22 Jun 2015 15:41
 Operator : TP/IZ
 Sample : G2653-04
 Misc : LOQ-SVOC-SOIL-20PPM
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2015-02

Quant Time: Jun 23 01:01:28 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF061715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 23 00:53:56 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.33	152	40926	20.00	ng	0.00
21) Naphthalene-d8	8.62	136	154208	20.00	ng	0.00
38) Acenaphthene-d10	10.39	164	83568	20.00	ng	0.00
63) Phenanthrene-d10	11.92	188	166143	20.00	ng	0.01
75) Chrysene-d12	15.11	240	186230	20.00	ng	0.11
86) Perylene-d12	17.12	264	181992	20.00	ng	0.19

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.93	112	290565	125.68	ng	0.00
7) Phenol-d6	6.93	99	372177	120.97	ng	0.00
23) Nitrobenzene-d5	7.88	82	221131	83.48	ng	0.00
41) 2,4,6-Tribromophenol	11.19	330	94594	115.76	ng	0.01
44) 2-Fluorobiphenyl	9.69	172	452368	77.20	ng	0.00
78) Terphenyl-d14	13.73	244	581597	72.94	ng	0.06

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.21	88	17483	15.91	ng	# 83
3) Pyridine	4.05	79	51728	17.70	ng	# 80
4) n-Nitrosodimethylamine	3.93	42	26886	19.36	ng	90
6) Aniline	6.97	93	67941	16.05	ng	92
8) 2-Chlorophenol	7.10	128	51433	19.25	ng	# 78
9) Benzaldehyde	6.87	77	44063	24.81	ng	# 87
10) Phenol	6.94	94	67272	20.04	ng	84
11) bis(2-Chloroethyl)ether	7.04	93	51958	19.51	ng	86
12) 1,3-Dichlorobenzene	7.27	146	58646	18.27	ng	98
13) 1,4-Dichlorobenzene	7.27	146	58646	19.21	ng	98
14) 1,2-Dichlorobenzene	7.50	146	60123	20.24	ng	99
15) Benzyl Alcohol	7.44	79	46298	18.40	ng	# 73
16) 2,2'-oxybis(1-Chloropropan	7.59	45	89631	22.67	ng	86
17) 2-Methylphenol	7.56	107	42014	18.41	ng	# 89
18) Hexachloroethane	7.84	117	18920	18.61	ng	94
19) n-Nitroso-di-n-propylamine	7.72	70	38810	18.17	ng	# 79
20) 3+4-Methylphenols	7.70	107	60155	20.42	ng	92
22) Acetophenone	7.72	105	77083	21.45	ng	# 79
24) Nitrobenzene	7.90	77	59955	21.93	ng	# 73
25) Isophorone	8.14	82	97192	18.23	ng	# 98
26) 2-Nitrophenol	8.22	139	26632	23.27	ng	# 61
27) 2,4-Dimethylphenol	8.24	122	55996	23.47	ng	86
28) bis(2-Chloroethoxy)methane	8.33	93	63330	20.22	ng	# 90
29) 2,4-Dichlorophenol	8.46	162	50667	24.79	ng	99
30) 1,2,4-Trichlorobenzene	8.55	180	52727	22.72	ng	97
31) Naphthalene	8.63	128	155451	19.28	ng	98
32) Benzoic acid	8.29	122	18784	13.02	ng	# 71
33) 4-Chloroaniline	8.68	127	70176	20.34	ng	# 98
34) Hexachlorobutadiene	8.76	225	31270	21.88	ng	97
35) Caprolactam	9.00	113	13446	20.27	ng	# 84
36) 4-Chloro-3-methylphenol	9.14	107	44018	19.10	ng	96
37) 2-Methylnaphthalene	9.33	142	110152	21.12	ng	# 89
39) 1,2,4,5-Tetrachlorobenzene	9.50	216	55400	22.78	ng	99
40) Hexachlorocyclopentadiene	9.49	237	20746	21.53	ng	96

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062215\
 Data File : BF080095.D
 Acq On : 22 Jun 2015 15:41
 Operator : TP/IZ
 Sample : G2653-04
 Misc : LOQ-SVOC-SOIL-20PPM
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2015-02

Quant Time: Jun 23 01:01:28 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF061715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 23 00:53:56 2015
 Response via : Initial Calibration

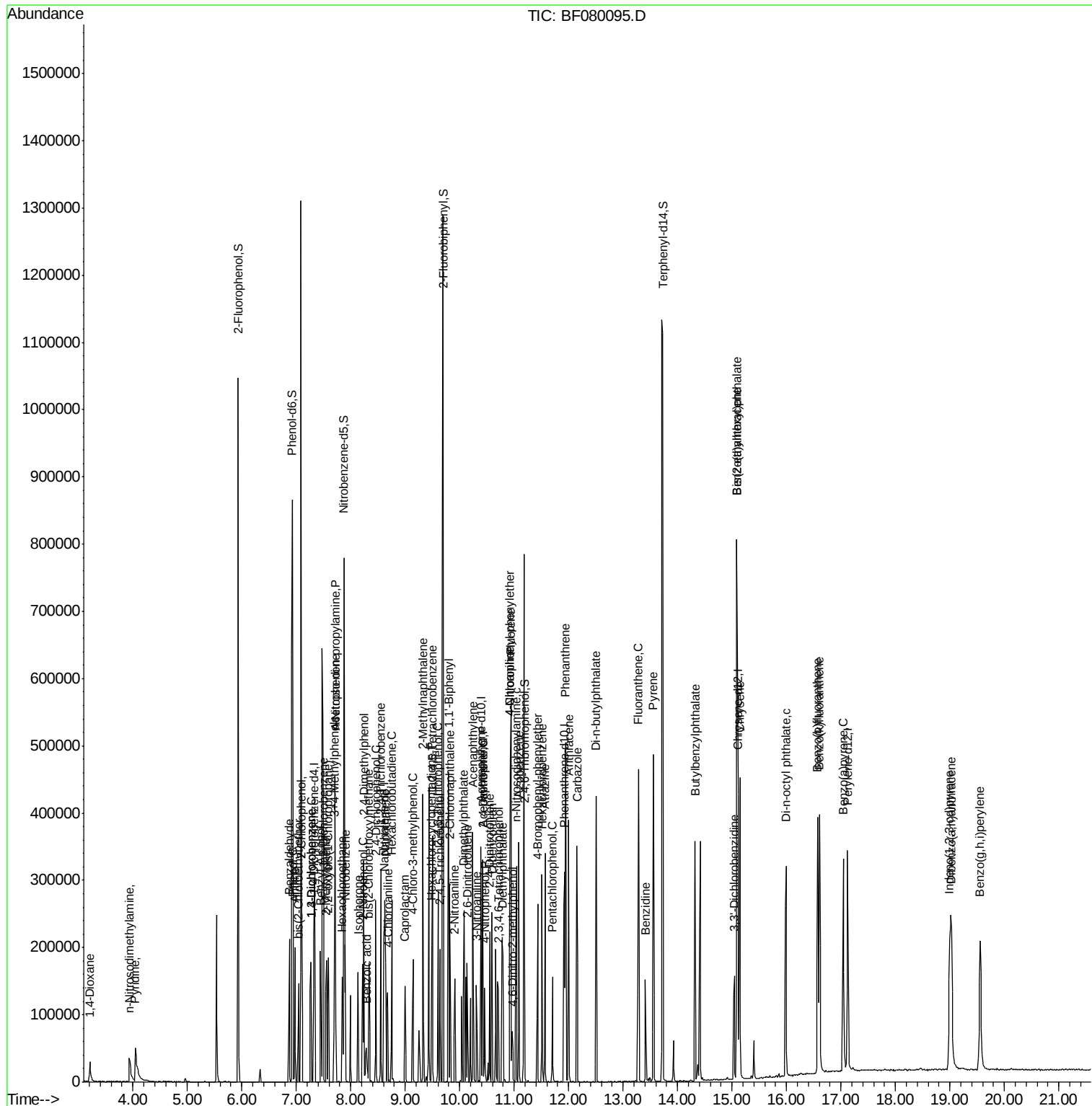
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.60	196	34923	21.11	ng	99
43) 2,4,5-Trichlorophenol	9.64	196	33901	17.78	ng #	84
45) 1,1'-Biphenyl	9.80	154	145956	21.47	ng	97
46) 2-Chloronaphthalene	9.82	162	102281	18.54	ng #	91
47) 2-Nitroaniline	9.91	65	27405	18.10	ng	93
48) Acenaphthylene	10.24	152	172446	18.73	ng	98
49) Dimethylphthalate	10.08	163	123412	19.64	ng #	98
50) 2,6-Dinitrotoluene	10.14	165	22410	17.79	ng #	29
51) Acenaphthene	10.42	154	102012	18.11	ng	97
52) 3-Nitroaniline	10.31	138	24974	17.19	ng #	41
53) 2,4-Dinitrophenol	10.42	184	8499	21.20	ng #	1
54) Dibenzofuran	10.60	168	154083	19.28	ng	97
55) 4-Nitrophenol	10.46	139	23071	19.86	ng #	65
56) 2,4-Dinitrotoluene	10.55	165	33523	20.97	ng #	76
57) Fluorene	10.94	166	134196	21.16	ng	90
58) 2,3,4,6-Tetrachlorophenol	10.71	232	29214	18.15	ng	96
59) Diethylphthalate	10.79	149	116571	18.43	ng	95
60) 4-Chlorophenyl-phenylether	10.93	204	58174	19.09	ng	93
61) 4-Nitroaniline	10.93	138	27646	18.42	ng #	40
62) Azobenzene	11.09	77	124997	19.41	ng	92
64) 4,6-Dinitro-2-methylphenol	10.97	198	12727	20.54	ng #	66
65) n-Nitrosodiphenylamine	11.04	169	106893	19.76	ng	93
66) 4-Bromophenyl-phenylether	11.43	248	37752	21.37	ng	92
67) Hexachlorobenzene	11.51	284	39410	20.07	ng #	87
68) Atrazine	11.57	200	37270	21.80	ng	82
69) Pentachlorophenol	11.70	266	18590	16.71	ng	97
70) Phenanthrene	11.94	178	200726	19.96	ng	98
71) Anthracene	12.00	178	195668	20.20	ng	99
72) Carbazole	12.15	167	170527	18.44	ng	97
73) Di-n-butylphthalate	12.50	149	204755	19.17	ng #	98
74) Fluoranthene	13.28	202	203434	18.99	ng	90
76) Benzidine	13.41	184	68785	13.21	ng	98
77) Pyrene	13.56	202	217124	18.94	ng	97
79) Butylbenzylphthalate	14.32	149	84540	18.36	ng #	87
80) Benzo(a)anthracene	15.09	228	213798	18.84	ng	98
81) 3,3'-Dichlorobenzidine	15.04	252	51502	13.16	ng #	93
82) Chrysene	15.15	228	200393	19.15	ng	94
83) Bis(2-ethylhexyl)phthalate	15.09	149	131512	18.07	ng #	92
84) Di-n-octyl phthalate	15.99	149	222748	17.86	ng	97
85) Indeno(1,2,3-cd)pyrene	19.00	276	220373	16.70	ng #	89
87) Benzo(b)fluoranthene	16.57	252	217762	19.76	ng #	86
88) Benzo(k)fluoranthene	16.61	252	185826	16.56	ng #	89
89) Benzo(a)pyrene	17.04	252	196107	18.74	ng #	87
90) Dibenzo(a,h)anthracene	19.03	278	190505	17.79	ng #	80
91) Benzo(g,h,i)perylene	19.56	276	191665	17.72	ng #	77

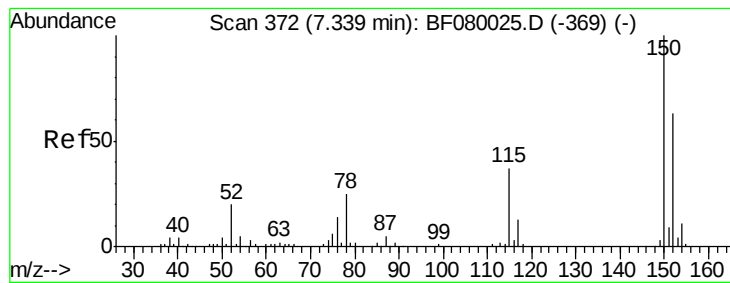
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062215\
Data File : BF080095.D
Acq On : 22 Jun 2015 15:41
Operator : TP/IZ
Sample : G2653-04
Misc : LOQ-SVOC-SOIL-20PPM
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2015-02

Quant Time: Jun 23 01:01:28 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF061715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 23 00:53:56 2015
Response via : Initial Calibration



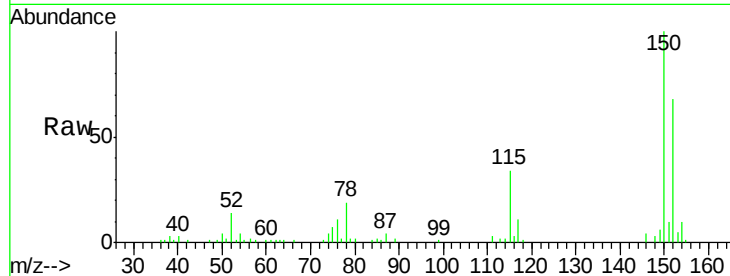


#1

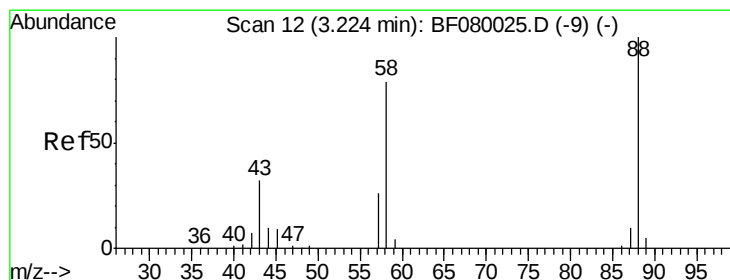
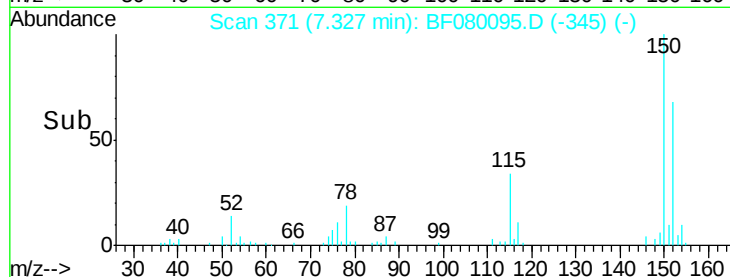
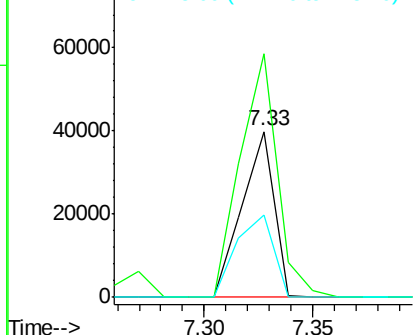
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.33 min Scan# 371
Delta R.T. -0.00 min
Lab File: BF080095.D
Acq: 22 Jun 2015 15:41

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2015-02

Tgt Ion:152 Resp: 40926
Ion Ratio Lower Upper
152 100
150 146.6 124.7 187.1
115 49.6 39.0 58.4



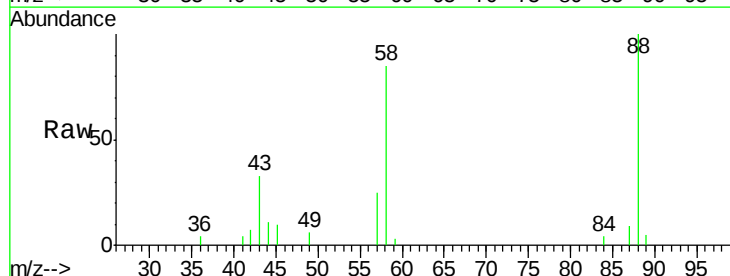
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



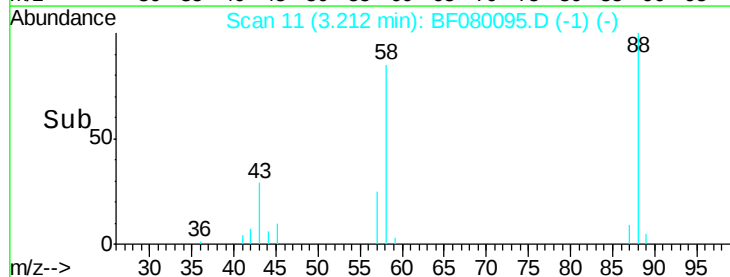
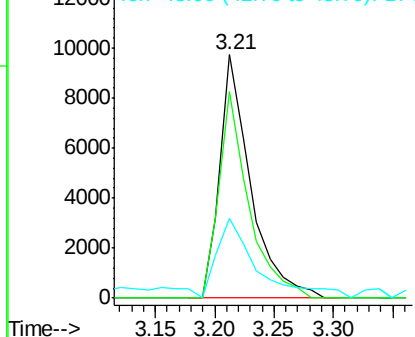
#2

1,4-Dioxane
Concen: 15.91 ng
RT: 3.21 min Scan# 11
Delta R.T. 0.02 min
Lab File: BF080095.D
Acq: 22 Jun 2015 15:41

Tgt Ion: 88 Resp: 17483
Ion Ratio Lower Upper
88 100
58 81.9 77.7 116.5
43 44.5 26.6 40.0#



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





#3

Pyridine

Concen: 17.70 ng

RT: 4.05 min Scan# 84

Delta R.T. 0.05 min

Lab File: BF080095.D

Acq: 22 Jun 2015 15:41

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2015-02

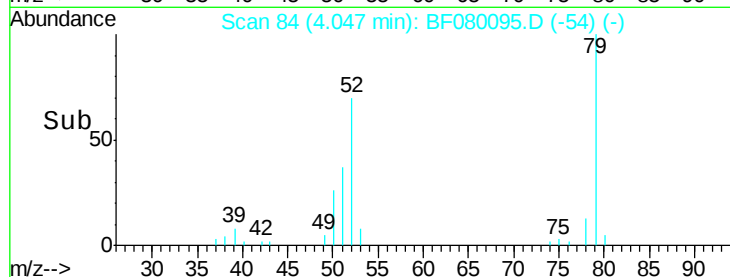
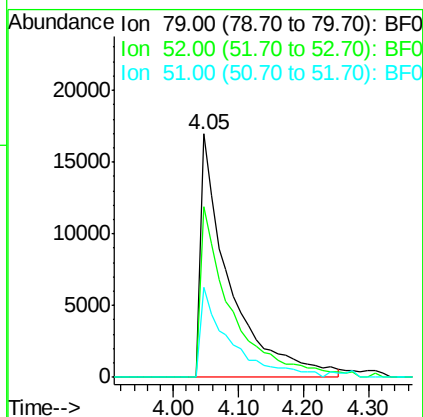
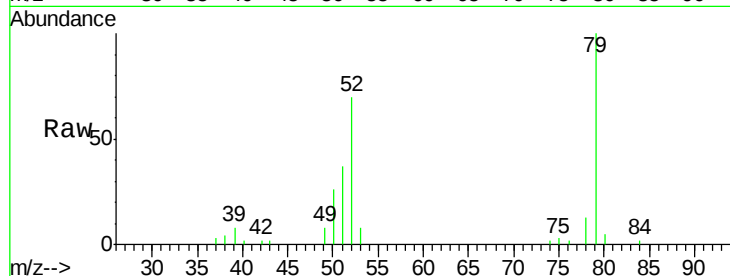
Tgt Ion: 79 Resp: 51728

Ion Ratio Lower Upper

79 100

52 69.9 76.8 115.2#

51 37.0 32.2 48.4



#4

n-Nitrosodimethylamine

Concen: 19.36 ng

RT: 3.93 min Scan# 74

Delta R.T. 0.01 min

Lab File: BF080095.D

Acq: 22 Jun 2015 15:41

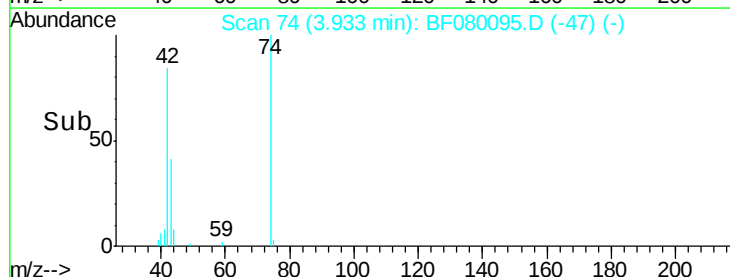
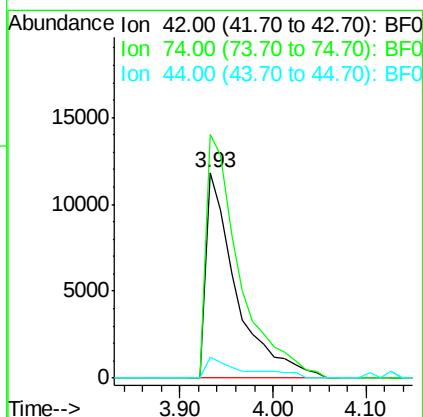
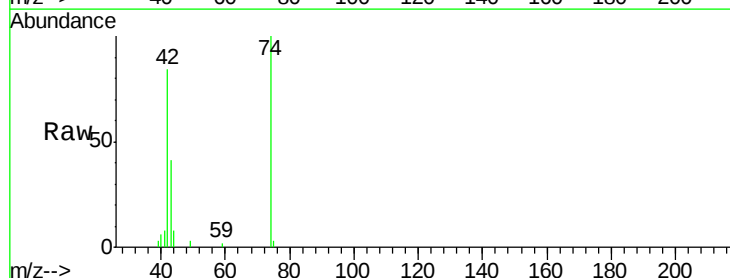
Tgt Ion: 42 Resp: 26886

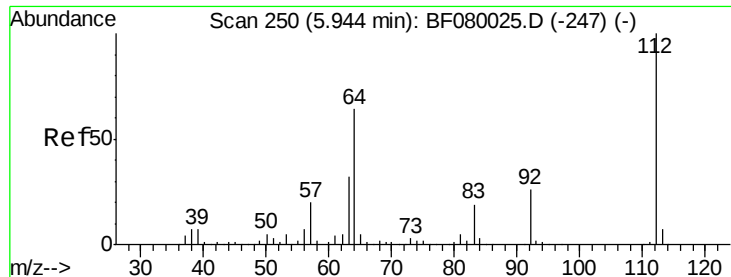
Ion Ratio Lower Upper

42 100

74 118.6 105.0 157.6

44 9.9 6.6 10.0





#5

2-Fluorophenol

Concen: 125.68 ng

RT: 5.93 min Scan# 249

Delta R.T. -0.00 min

Lab File: BF080095.D

Acq: 22 Jun 2015 15:41

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2015-02

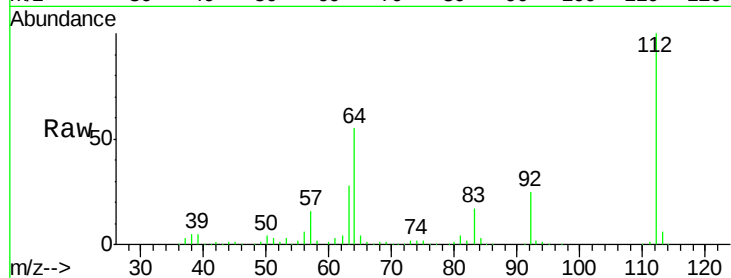
Tgt Ion: 112 Resp: 290565

Ion Ratio Lower Upper

112 100

64 54.8 39.7 59.5

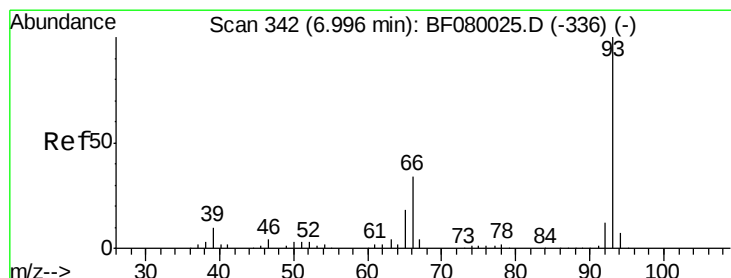
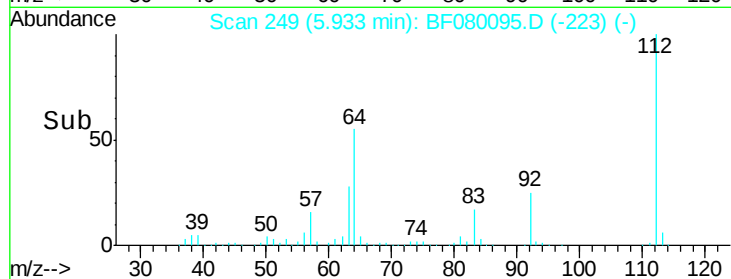
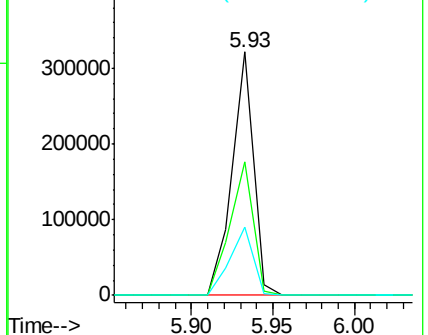
63 27.9 17.4 26.0#



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 16.05 ng

RT: 6.97 min Scan# 340

Delta R.T. -0.00 min

Lab File: BF080095.D

Acq: 22 Jun 2015 15:41

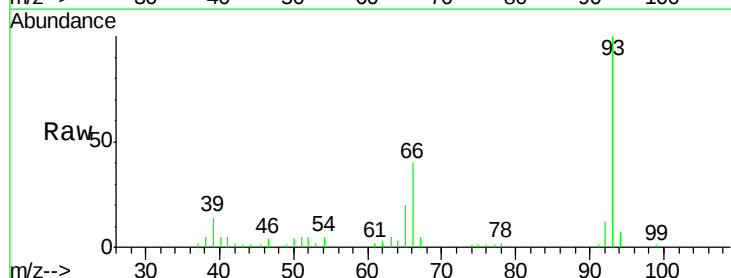
Tgt Ion: 93 Resp: 67941

Ion Ratio Lower Upper

93 100

66 39.7 27.2 40.8

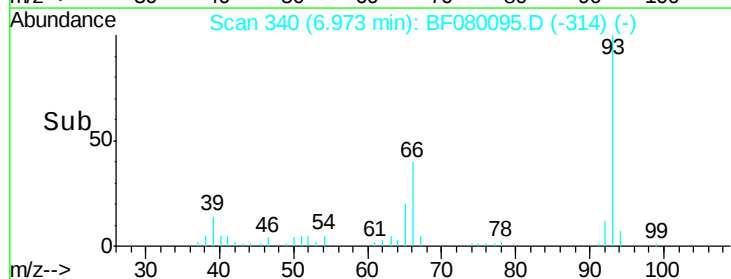
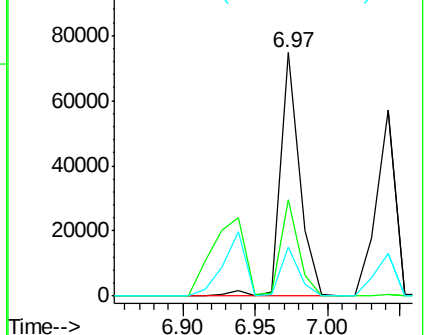
65 20.4 14.7 22.1



Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 120.97 ng

RT: 6.93 min Scan# 336

Delta R.T. -0.00 min

Lab File: BF080095.D

Acq: 22 Jun 2015 15:41

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2015-02

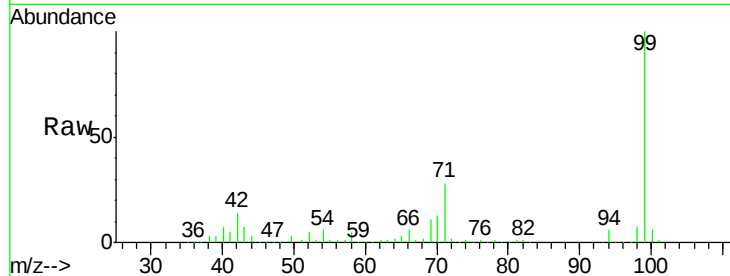
Tgt Ion: 99 Resp: 372177

Ion Ratio Lower Upper

99 100

42 14.0 13.7 20.5

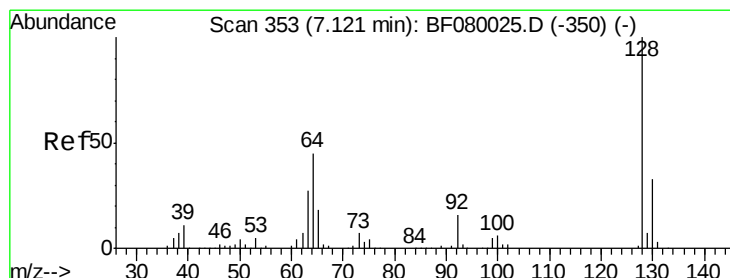
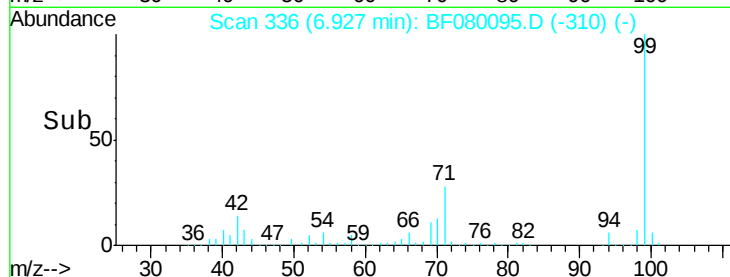
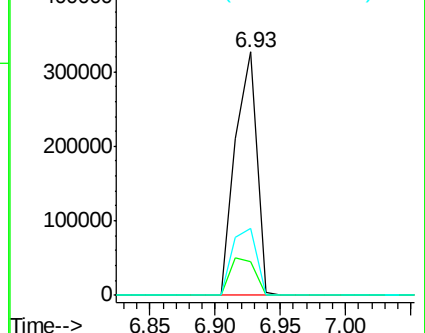
71 27.5 14.2 21.2#



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#8

2-Chlorophenol

Concen: 19.25 ng

RT: 7.10 min Scan# 351

Delta R.T. -0.01 min

Lab File: BF080095.D

Acq: 22 Jun 2015 15:41

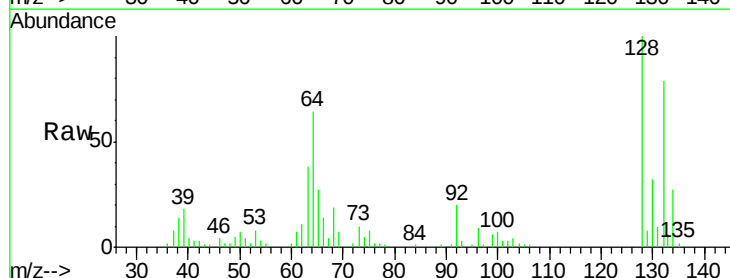
Tgt Ion: 128 Resp: 51433

Ion Ratio Lower Upper

128 100

130 31.6 12.2 52.2

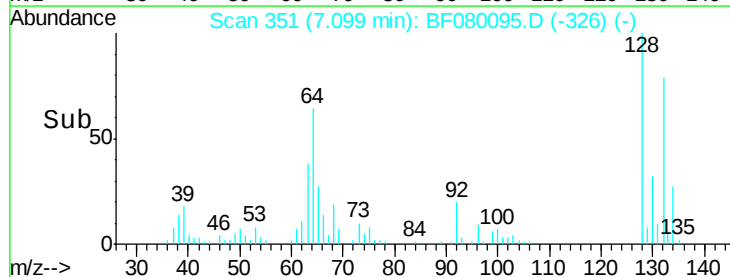
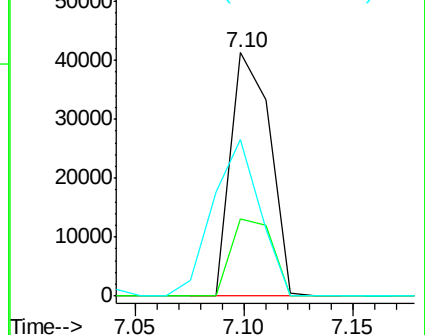
64 64.3 20.5 60.5#

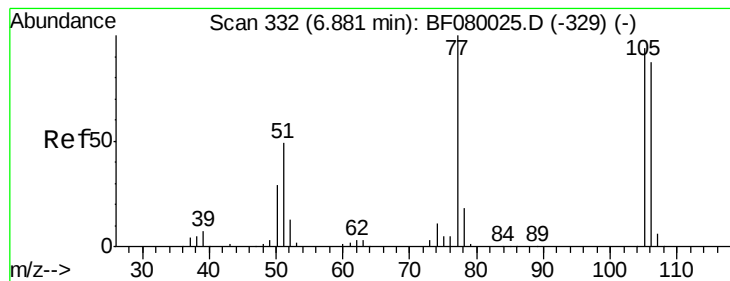


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 24.81 ng

RT: 6.87 min Scan# 331

Delta R.T. -0.00 min

Lab File: BF080095.D

Acq: 22 Jun 2015 15:41

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2015-02

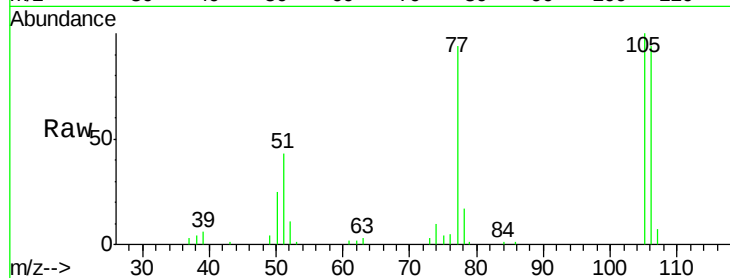
Tgt Ion: 77 Resp: 44063

Ion Ratio Lower Upper

77 100

105 105.9 91.6 131.6

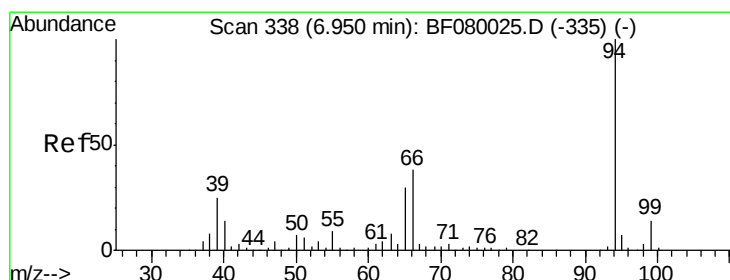
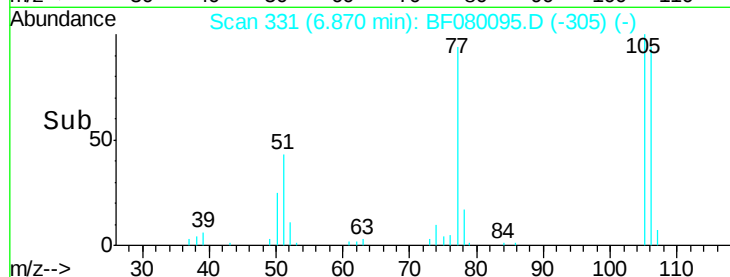
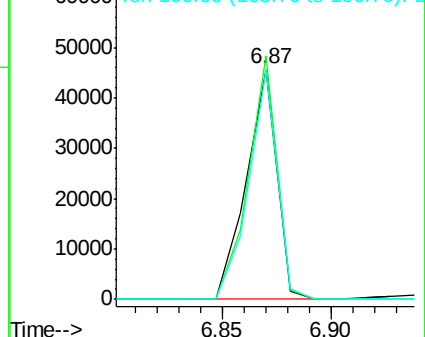
106 99.8 102.6 142.6#



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0



#10

Phenol

Concen: 20.04 ng

RT: 6.94 min Scan# 337

Delta R.T. -0.00 min

Lab File: BF080095.D

Acq: 22 Jun 2015 15:41

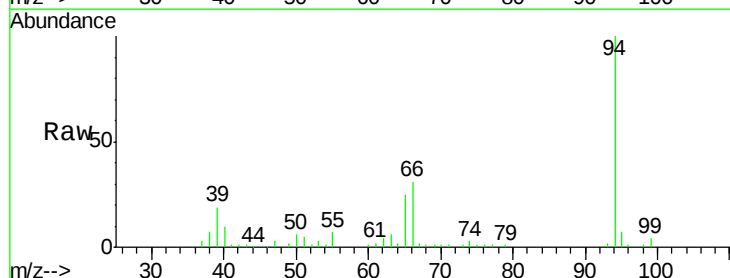
Tgt Ion: 94 Resp: 67272

Ion Ratio Lower Upper

94 100

65 25.4 0.7 40.7

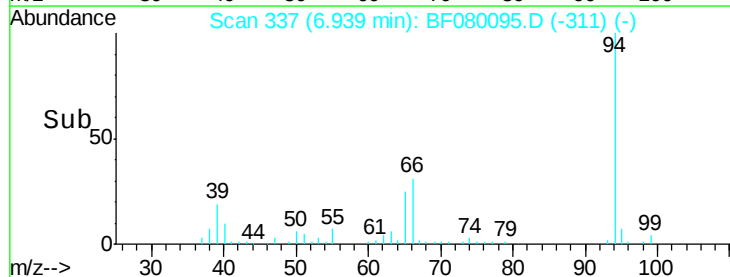
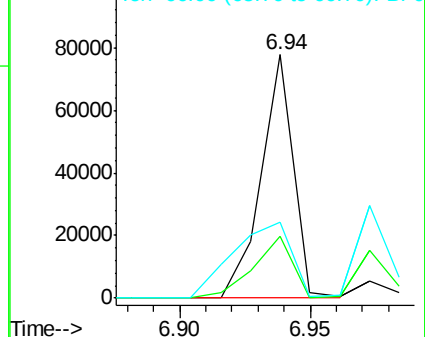
66 31.2 0.8 40.8



Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

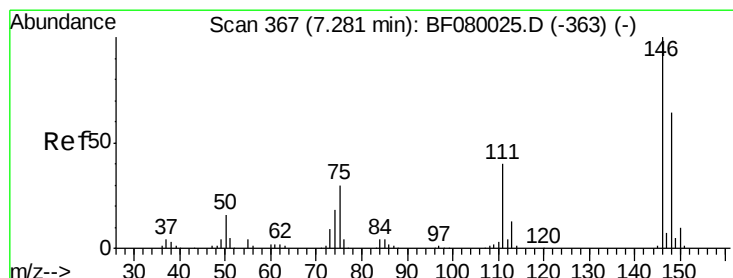
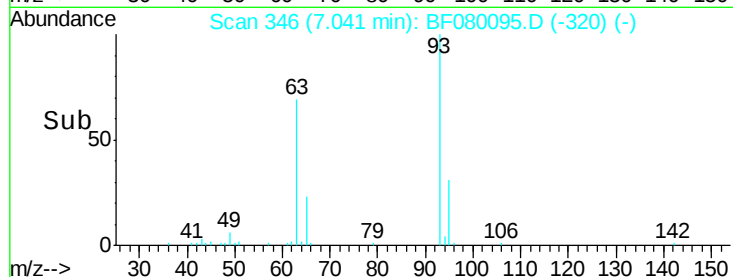
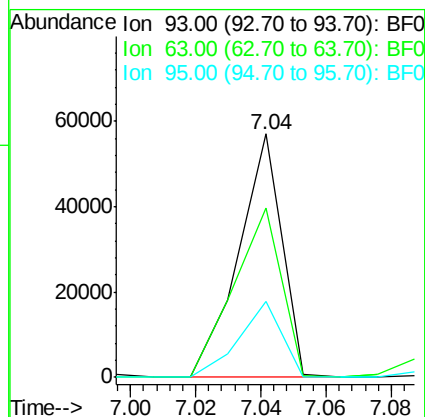
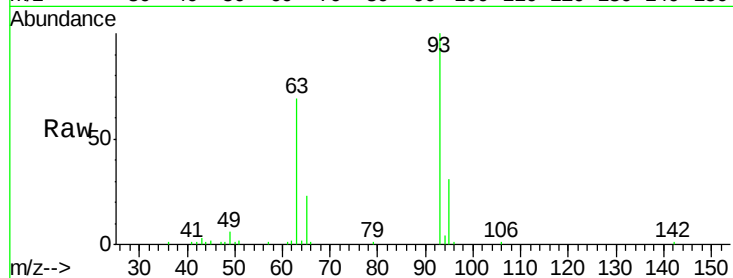




#11
 bis(2-Chloroethyl)ether
 Concen: 19.51 ng
 RT: 7.04 min Scan# 346
 Delta R.T. -0.00 min
 Lab File: BF080095.D
 Acq: 22 Jun 2015 15:41

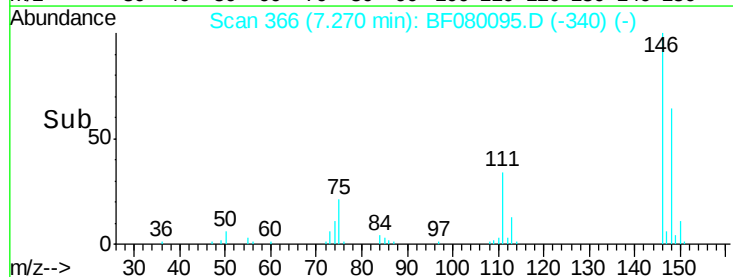
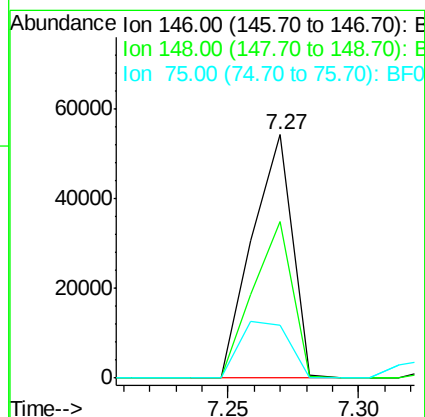
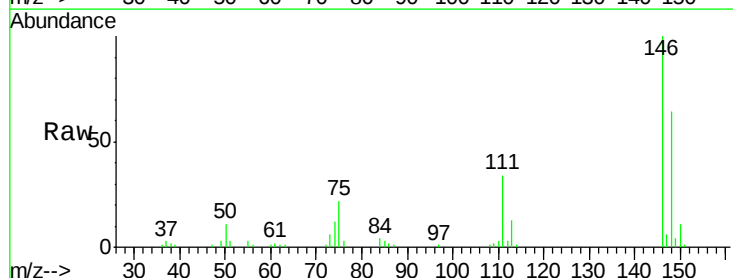
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2015-02

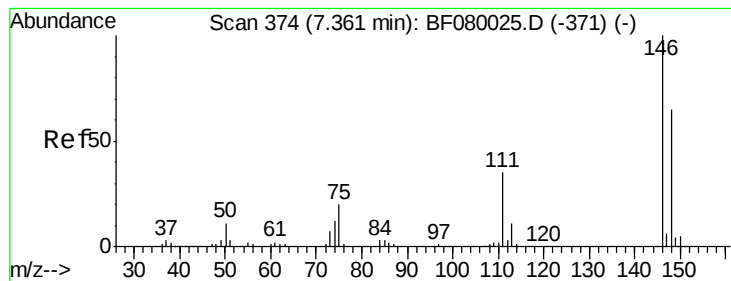
Tgt Ion: 93 Resp: 51958
 Ion Ratio Lower Upper
 93 100
 63 69.4 65.6 105.6
 95 30.9 13.6 53.6



#12
 1,3-Dichlorobenzene
 Concen: 18.27 ng
 RT: 7.27 min Scan# 366
 Delta R.T. -0.00 min
 Lab File: BF080095.D
 Acq: 22 Jun 2015 15:41

Tgt Ion: 146 Resp: 58646
 Ion Ratio Lower Upper
 146 100
 148 64.2 51.0 76.4
 75 22.0 15.0 22.6





#13

1,4-Dichlorobenzene

Concen: 19.21 ng

RT: 7.27 min Scan# 366

Delta R.T. -0.07 min

Lab File: BF080095.D

Acq: 22 Jun 2015 15:41

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2015-02

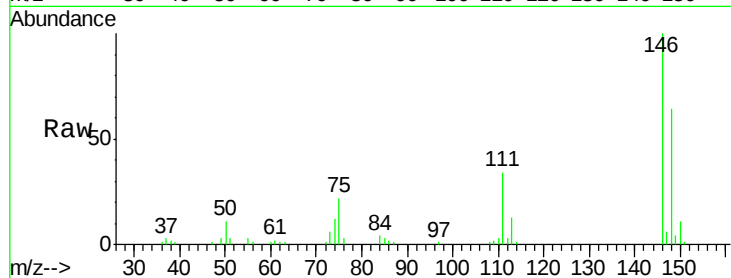
Tgt Ion:146 Resp: 58646

Ion Ratio Lower Upper

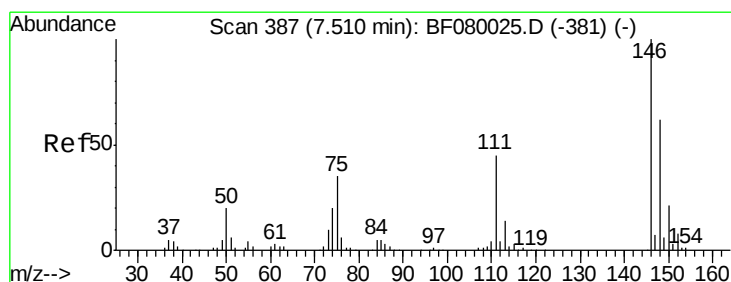
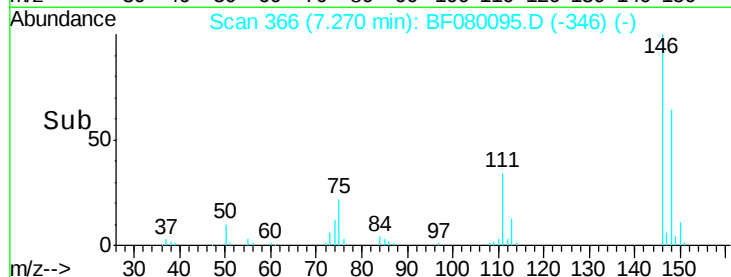
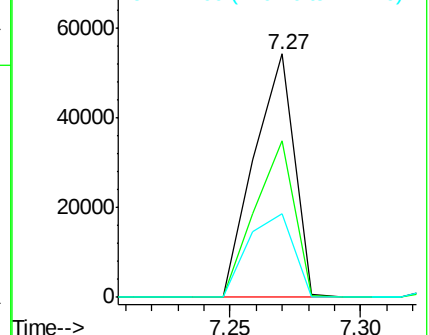
146 100

148 64.2 51.8 77.6

111 34.5 24.9 37.3



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



#14

1,2-Dichlorobenzene

Concen: 20.24 ng

RT: 7.50 min Scan# 386

Delta R.T. -0.00 min

Lab File: BF080095.D

Acq: 22 Jun 2015 15:41

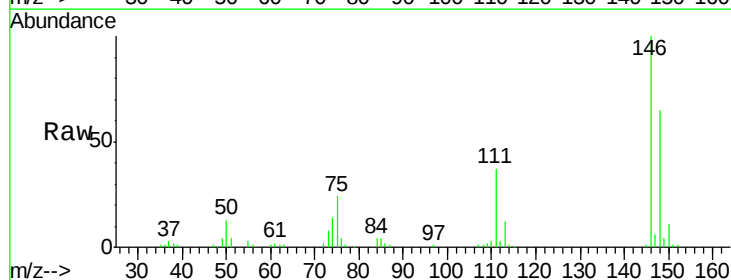
Tgt Ion:146 Resp: 60123

Ion Ratio Lower Upper

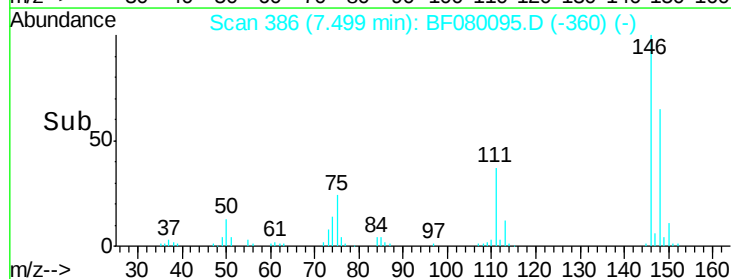
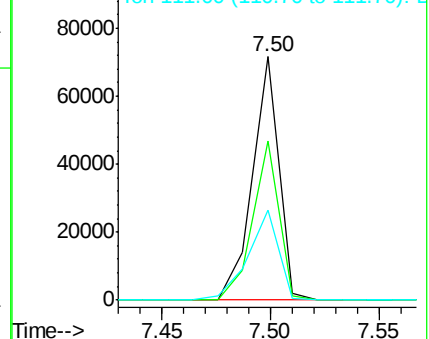
146 100

148 65.2 52.7 79.1

111 36.9 28.8 43.2



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





#15

Benzyl Alcohol

Concen: 18.40 ng

RT: 7.44 min Scan# 381

Delta R.T. -0.00 min

Lab File: BF080095.D

Acq: 22 Jun 2015 15:41

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2015-02

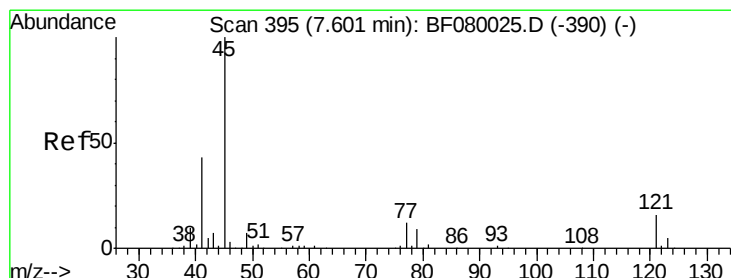
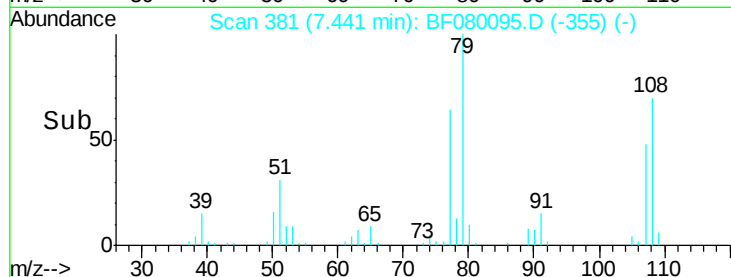
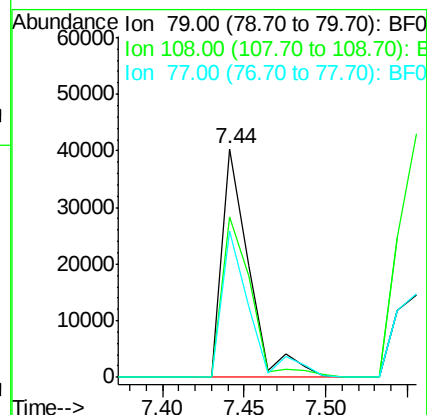
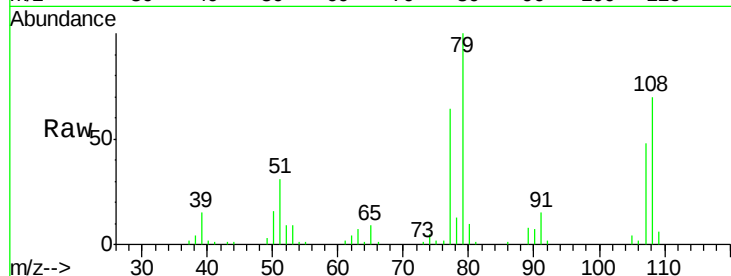
Tgt Ion: 79 Resp: 46298

Ion Ratio Lower Upper

79 100

108 70.4 88.6 132.8#

77 64.2 47.0 70.4



#16

2,2'-oxybis(1-Chloropropane)

Concen: 22.67 ng

RT: 7.59 min Scan# 394

Delta R.T. -0.00 min

Lab File: BF080095.D

Acq: 22 Jun 2015 15:41

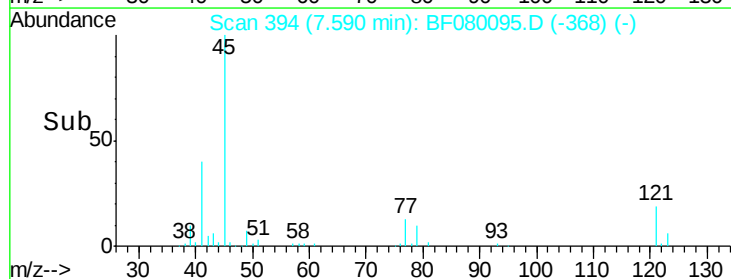
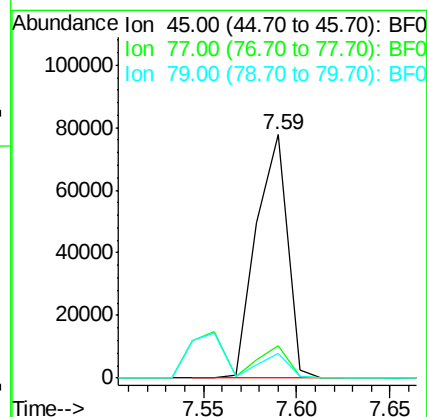
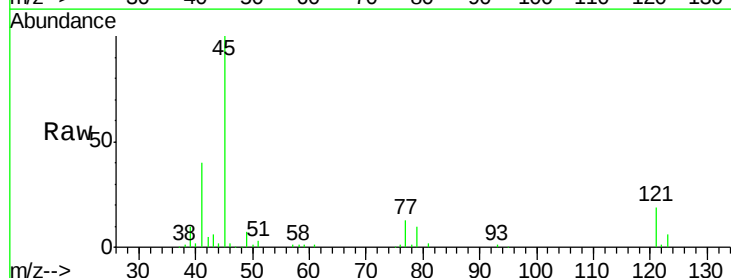
Tgt Ion: 45 Resp: 89631

Ion Ratio Lower Upper

45 100

77 13.2 0.0 28.1

79 10.2 0.0 26.0

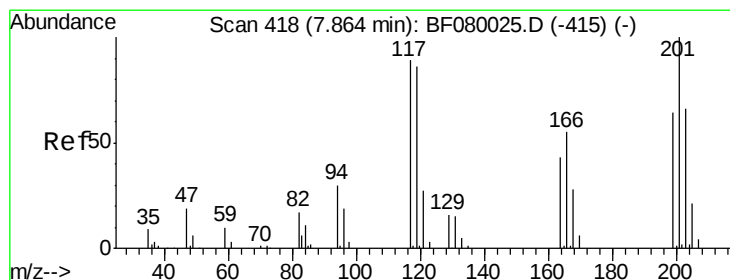
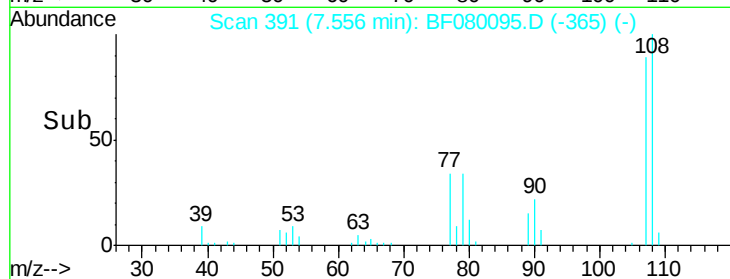
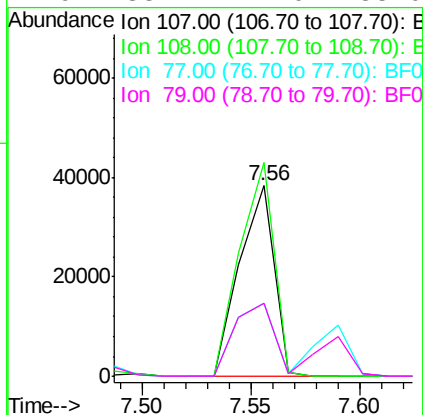
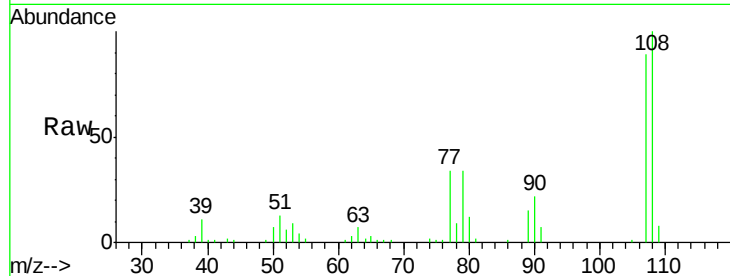




#17
2-Methylphenol
Concen: 18.41 ng
RT: 7.56 min Scan# 391
Delta R.T. -0.00 min
Lab File: BF080095.D
Acq: 22 Jun 2015 15:41

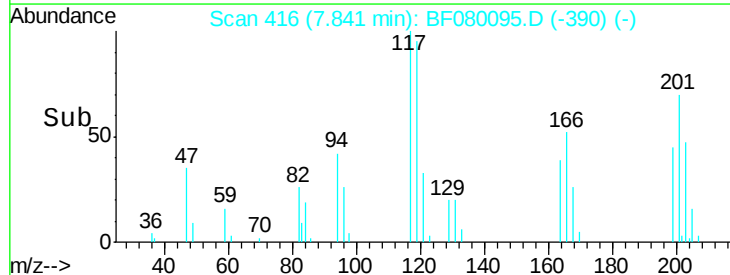
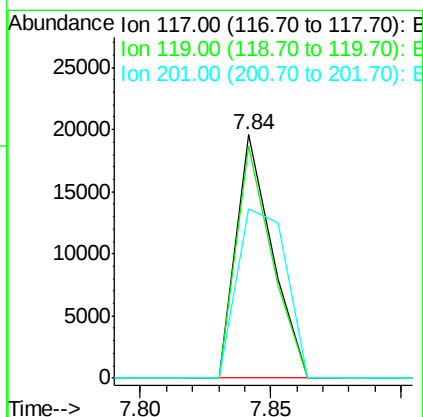
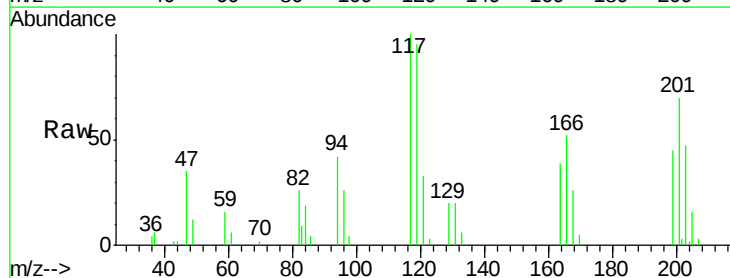
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2015-02

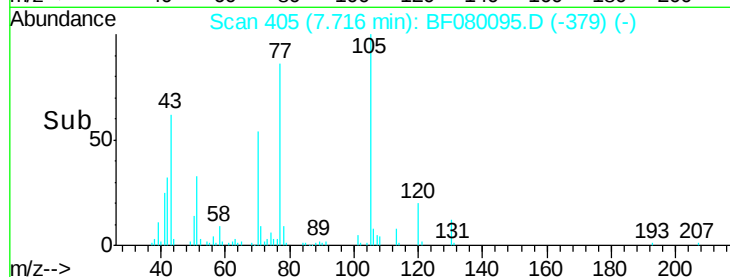
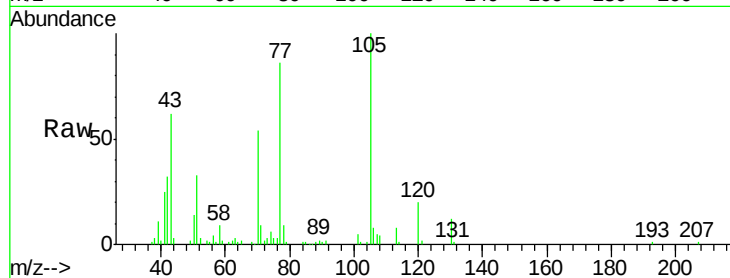
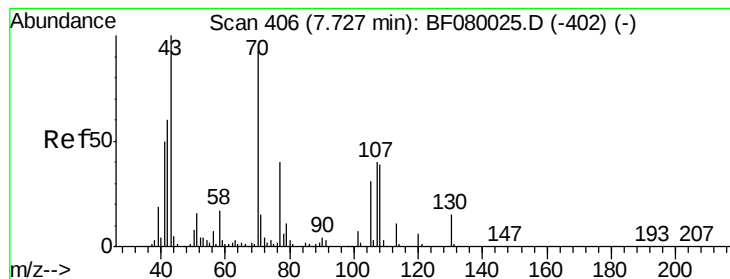
Tgt Ion:107 Resp: 42014
Ion Ratio Lower Upper
107 100
108 112.3 96.6 145.0
77 38.3 23.3 34.9#
79 38.1 22.0 33.0#



#18
Hexachloroethane
Concen: 18.61 ng
RT: 7.84 min Scan# 416
Delta R.T. -0.00 min
Lab File: BF080095.D
Acq: 22 Jun 2015 15:41

Tgt Ion:117 Resp: 18920
Ion Ratio Lower Upper
117 100
119 95.3 83.8 125.6
201 69.6 55.1 82.7





#19

n-Nitroso-di-n-propylamine

Concen: 18.17 ng

RT: 7.72 min Scan# 405

Delta R.T. -0.00 min

Lab File: BF080095.D

Acq: 22 Jun 2015 15:41

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2015-02

Tgt Ion: 70 Resp: 38810

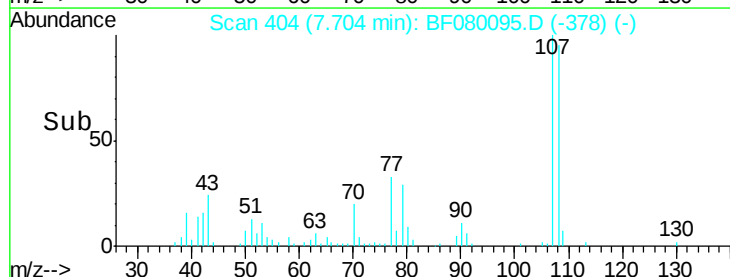
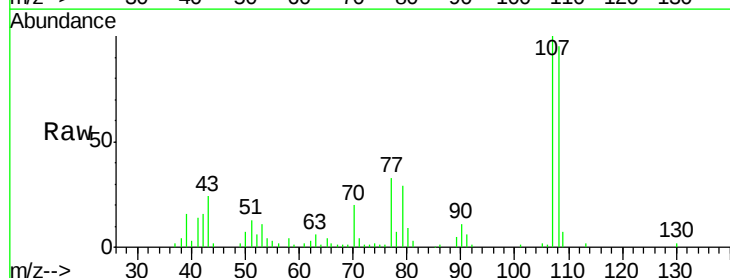
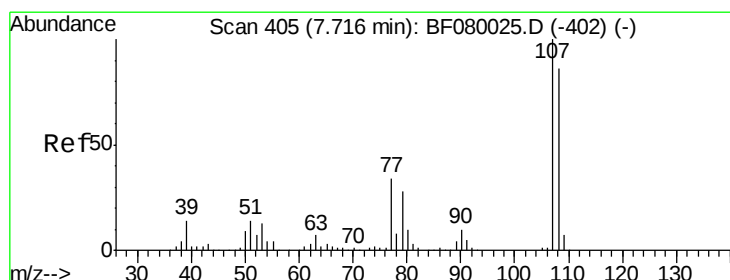
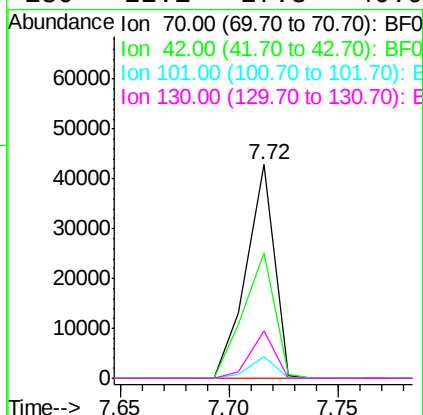
Ion Ratio Lower Upper

70 100

42 58.5 63.8 95.6#

101 10.0 9.2 13.8

130 22.1 27.3 40.9#



#20

3+4-Methylphenols

Concen: 20.42 ng

RT: 7.70 min Scan# 404

Delta R.T. -0.00 min

Lab File: BF080095.D

Acq: 22 Jun 2015 15:41

Tgt Ion: 107 Resp: 60155

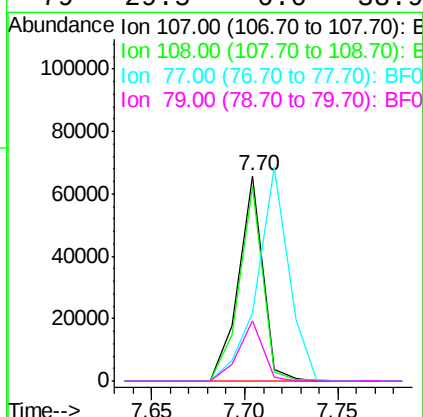
Ion Ratio Lower Upper

107 100

108 94.8 74.6 114.6

77 33.1 0.7 40.7

79 29.5 0.0 38.9

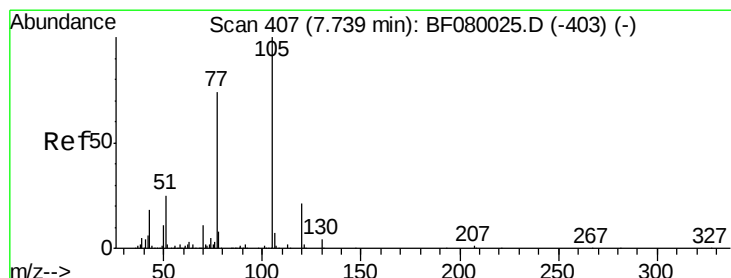
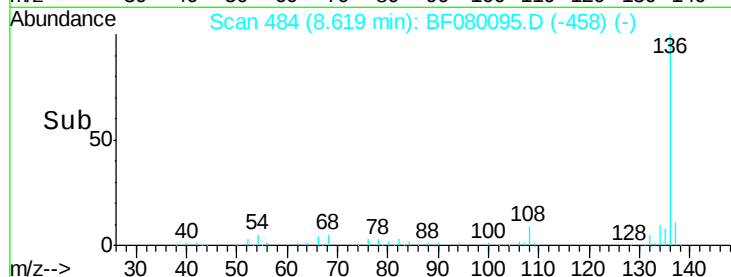
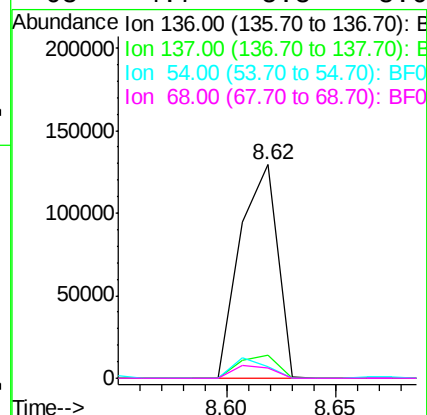
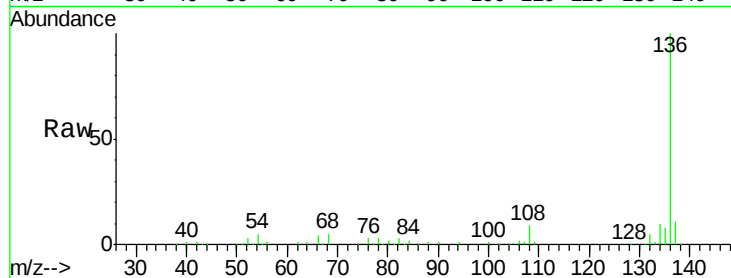




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.62 min Scan# 484
Delta R.T. -0.00 min
Lab File: BF080095.D
Acq: 22 Jun 2015 15:41

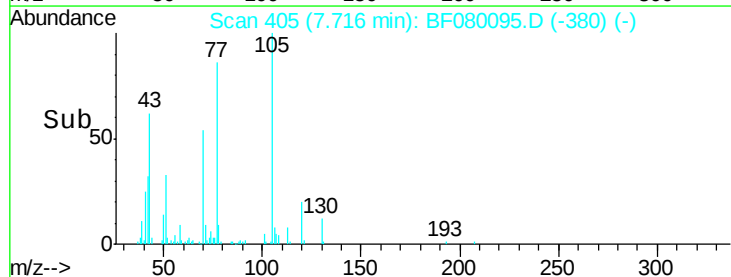
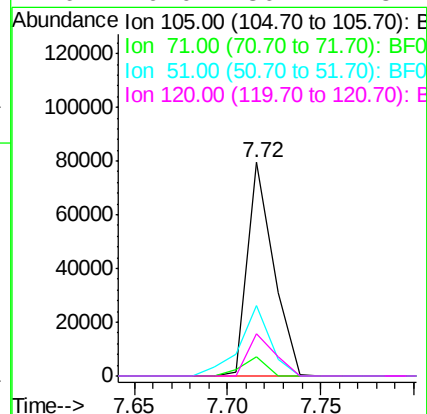
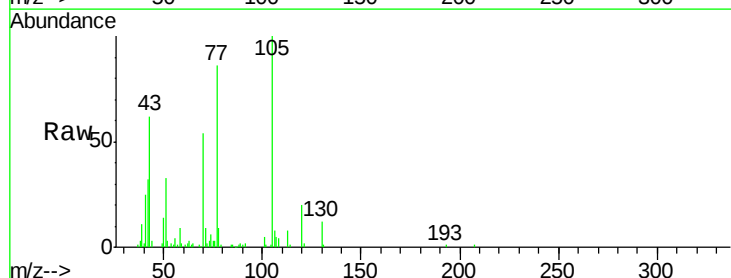
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2015-02

Tgt Ion:	136	Resp:	154208
Ion Ratio	Lower	Upper	
136	100		
137	10.7	9.0	13.6
54	5.5	8.2	12.2#
68	4.7	5.8	8.6#



#22
Acetophenone
Concen: 21.45 ng
RT: 7.72 min Scan# 405
Delta R.T. -0.01 min
Lab File: BF080095.D
Acq: 22 Jun 2015 15:41

Tgt Ion:	105	Resp:	77083
Ion Ratio	Lower	Upper	
105	100		
71	9.0	4.7	7.1#
51	33.2	22.0	33.0#
120	20.0	30.1	45.1#

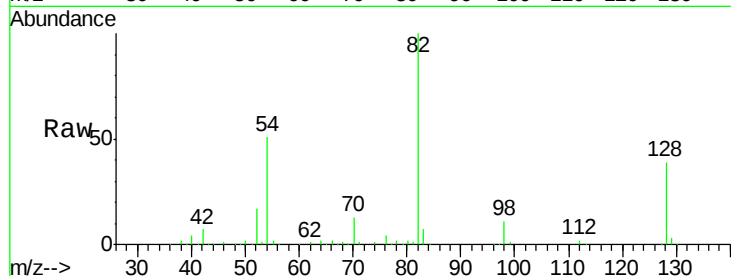




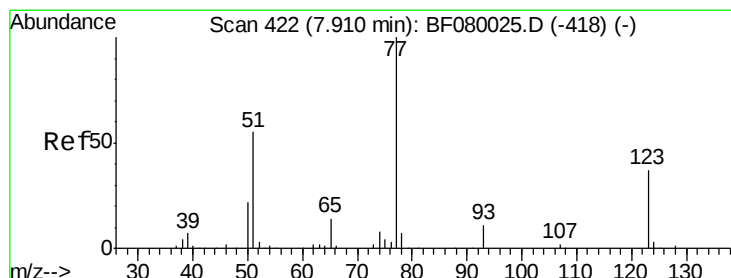
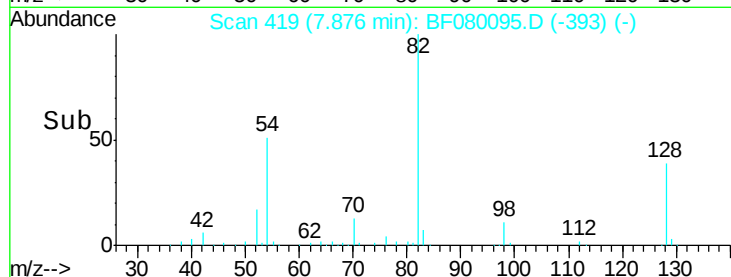
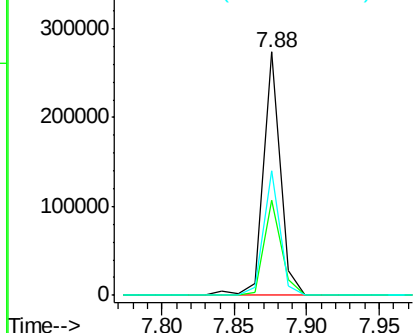
#23
Nitrobenzene-d5
Concen: 83.48 ng
RT: 7.88 min Scan# 419
Delta R.T. -0.00 min
Lab File: BF080095.D
Acq: 22 Jun 2015 15:41

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2015-02

Tgt Ion: 82 Resp: 221131
Ion Ratio Lower Upper
82 100
128 39.0 51.0 76.6#
54 51.2 47.5 71.3

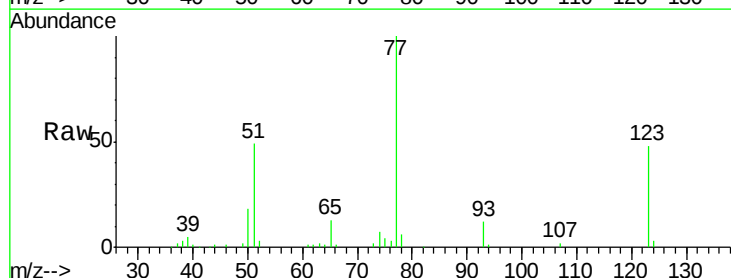


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): B
Ion 54.00 (53.70 to 54.70): BF0

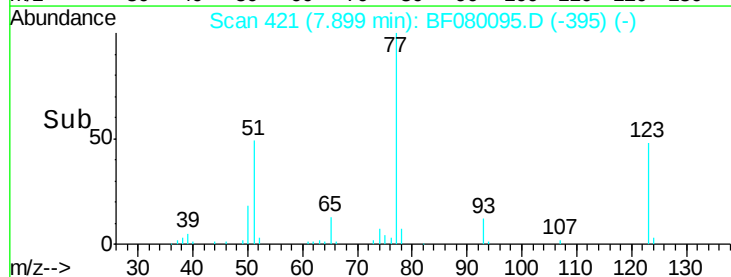
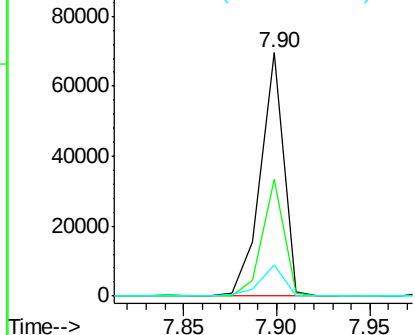


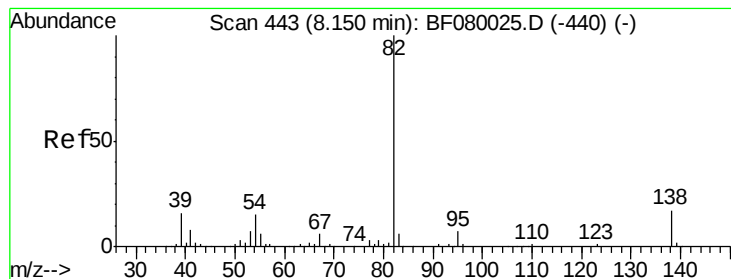
#24
Nitrobenzene
Concen: 21.93 ng
RT: 7.90 min Scan# 421
Delta R.T. -0.00 min
Lab File: BF080095.D
Acq: 22 Jun 2015 15:41

Tgt Ion: 77 Resp: 59955
Ion Ratio Lower Upper
77 100
123 47.8 59.8 89.8#
65 13.1 10.2 15.4



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





#25

Isophorone

Concen: 18.23 ng

RT: 8.14 min Scan# 442

Delta R.T. -0.00 min

Lab File: BF080095.D

Acq: 22 Jun 2015 15:41

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2015-02

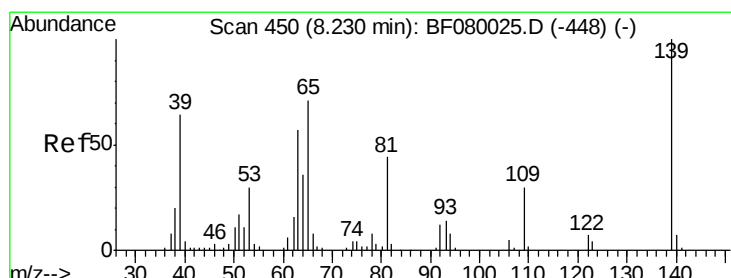
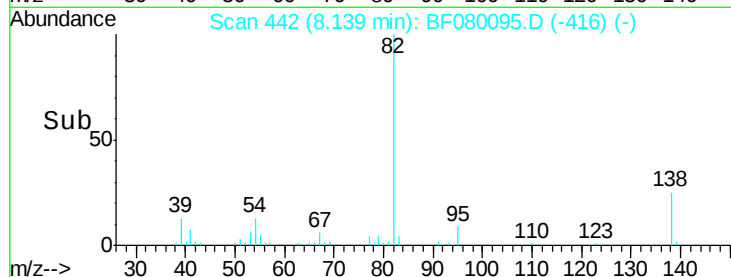
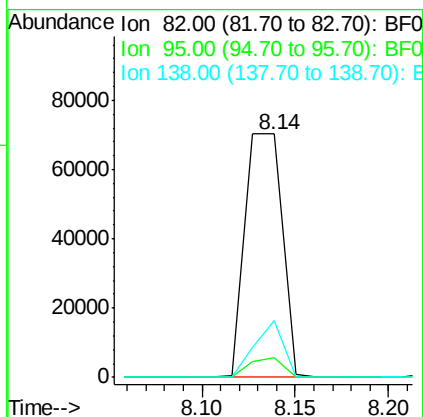
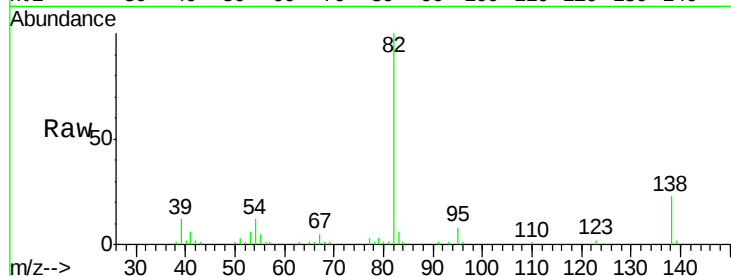
Tgt Ion: 82 Resp: 97192

Ion Ratio Lower Upper

82 100

95 7.9 4.0 6.0#

138 23.2 18.3 27.5



#26

2-Nitrophenol

Concen: 23.27 ng

RT: 8.22 min Scan# 449

Delta R.T. -0.00 min

Lab File: BF080095.D

Acq: 22 Jun 2015 15:41

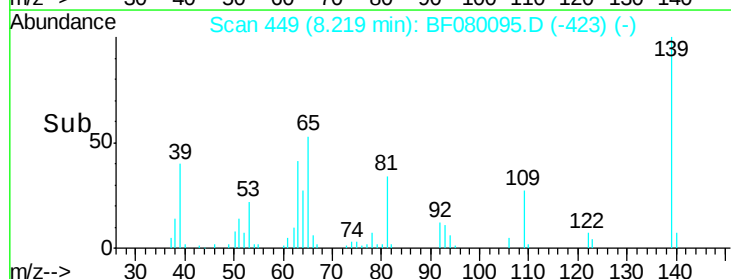
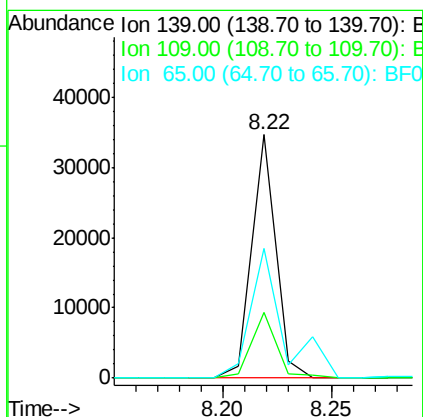
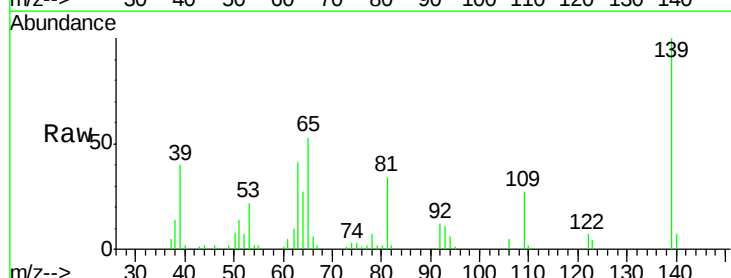
Tgt Ion: 139 Resp: 26632

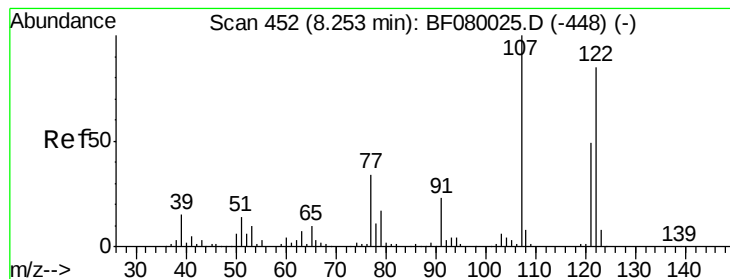
Ion Ratio Lower Upper

139 100

109 27.2 11.0 16.4#

65 53.4 24.7 37.1#





#27

2,4-Dimethylphenol

Concen: 23.47 ng

RT: 8.24 min Scan# 451

Delta R.T. -0.00 min

Lab File: BF080095.D

Acq: 22 Jun 2015 15:41

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2015-02

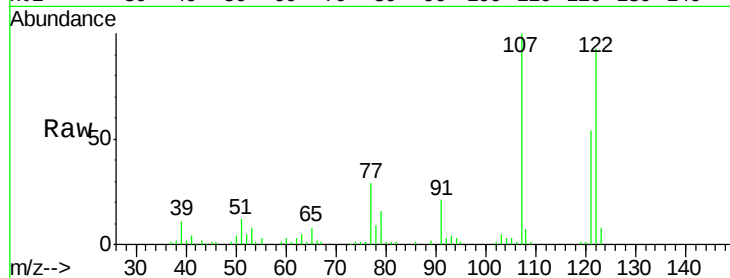
Tgt Ion:122 Resp: 55996

Ion Ratio Lower Upper

122 100

107 107.0 71.8 107.6

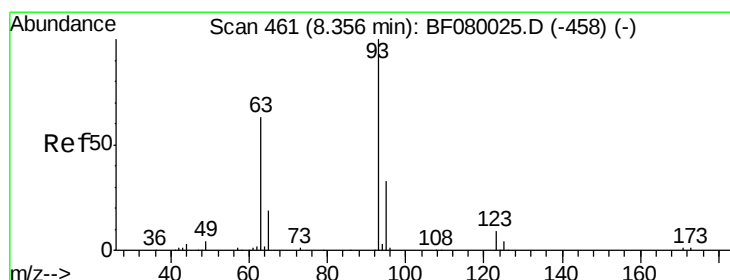
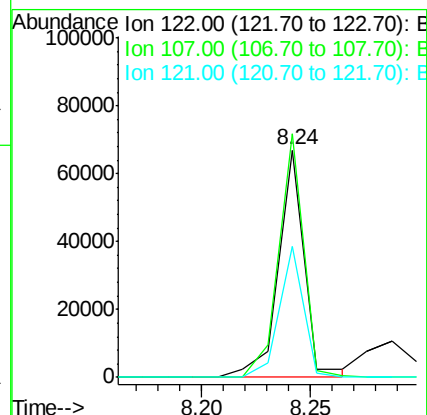
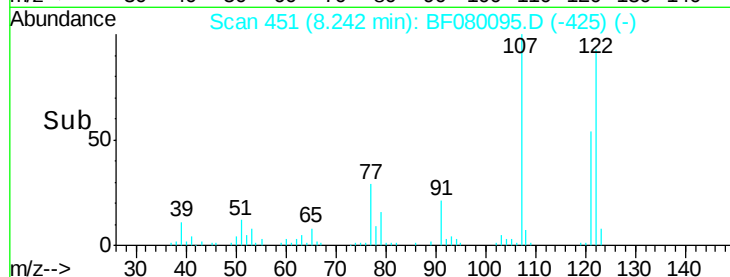
121 57.8 42.3 63.5



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 20.22 ng

RT: 8.33 min Scan# 459

Delta R.T. -0.00 min

Lab File: BF080095.D

Acq: 22 Jun 2015 15:41

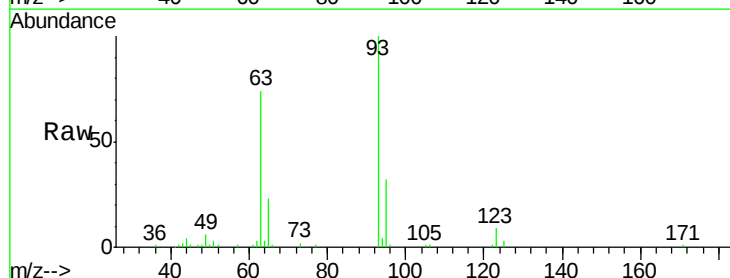
Tgt Ion: 93 Resp: 63330

Ion Ratio Lower Upper

93 100

95 31.7 27.5 41.3

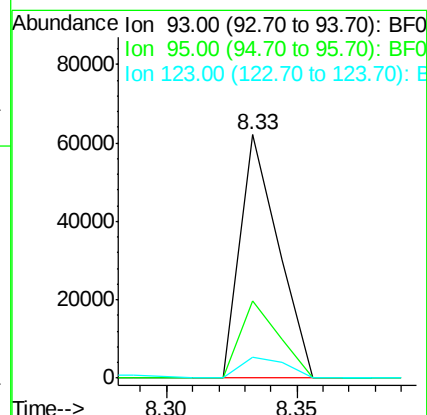
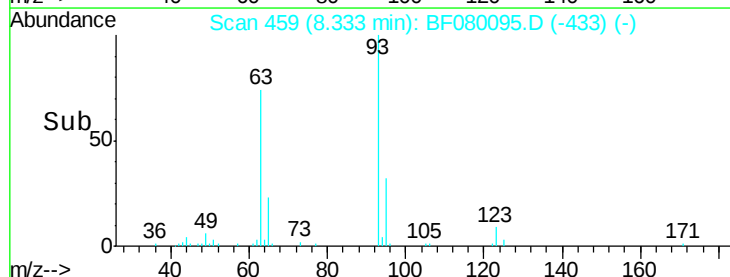
123 8.5 13.7 20.5#

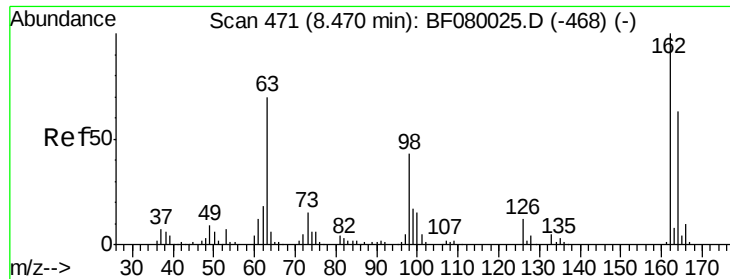


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 123.00 (122.70 to 123.70): E

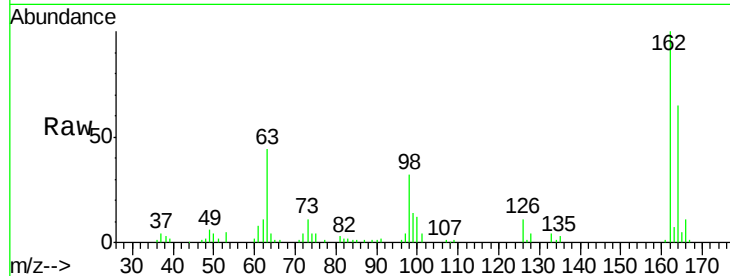




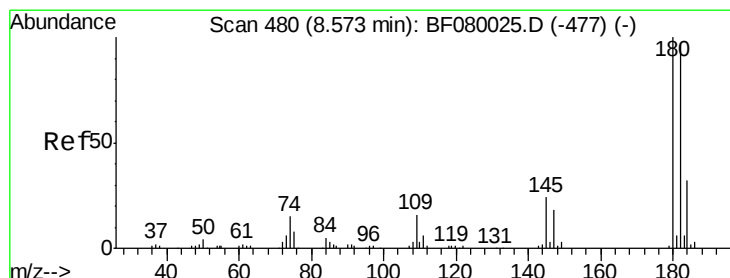
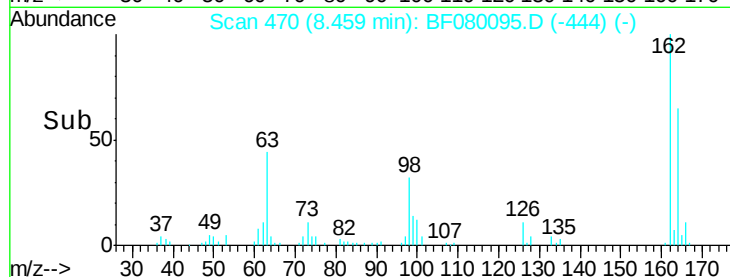
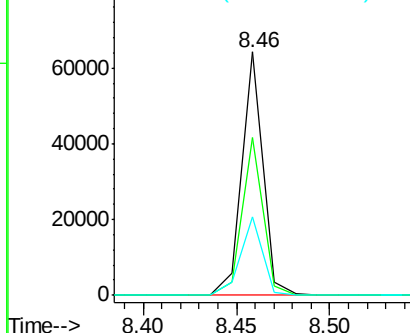
#29
 2,4-Dichlorophenol
 Concen: 24.79 ng
 RT: 8.46 min Scan# 470
 Delta R.T. -0.00 min
 Lab File: BF080095.D
 Acq: 22 Jun 2015 15:41

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2015-02

Tgt Ion	Ratio	Lower	Upper
162	100		
164	65.1	44.9	84.9
98	32.2	13.0	53.0

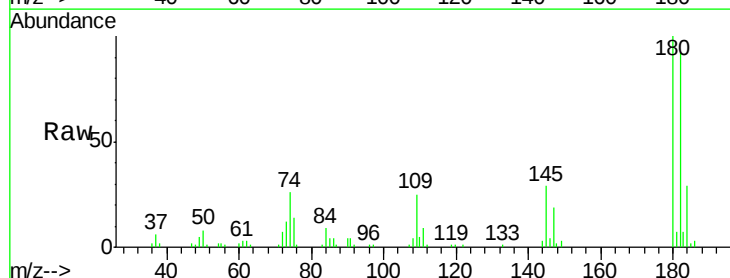


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF0

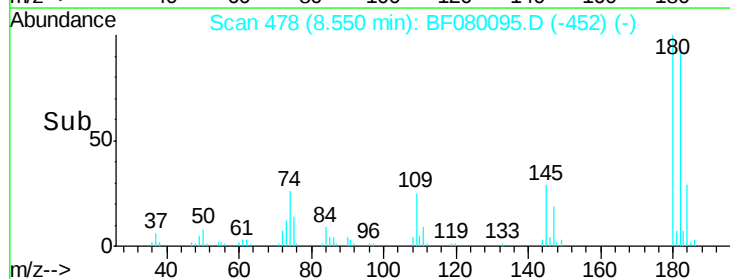
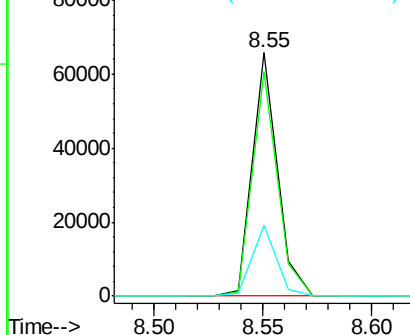


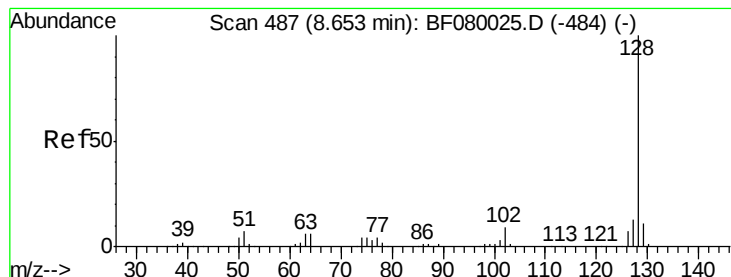
#30
 1,2,4-Trichlorobenzene
 Concen: 22.72 ng
 RT: 8.55 min Scan# 478
 Delta R.T. -0.00 min
 Lab File: BF080095.D
 Acq: 22 Jun 2015 15:41

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.1	77.1	115.7
145	29.1	23.3	34.9



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





#31

Naphthalene

Concen: 19.28 ng

RT: 8.63 min Scan# 485

Delta R.T. -0.00 min

Lab File: BF080095.D

Acq: 22 Jun 2015 15:41

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2015-02

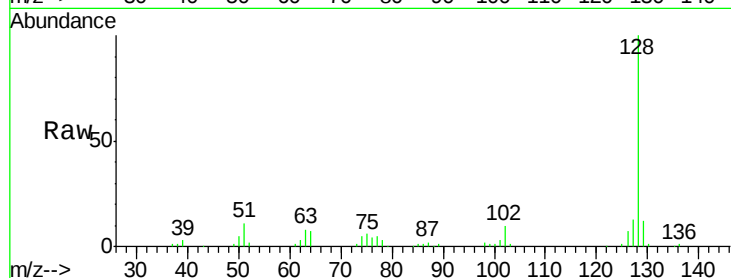
Tgt Ion:128 Resp: 155451

Ion Ratio Lower Upper

128 100

129 11.6 8.4 12.6

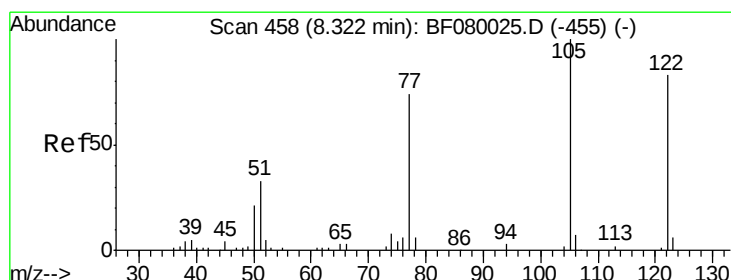
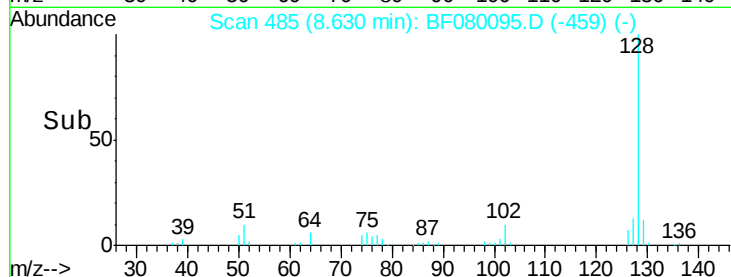
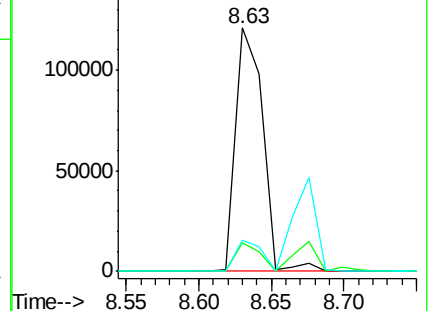
127 12.7 9.9 14.9



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 13.02 ng

RT: 8.29 min Scan# 455

Delta R.T. -0.02 min

Lab File: BF080095.D

Acq: 22 Jun 2015 15:41

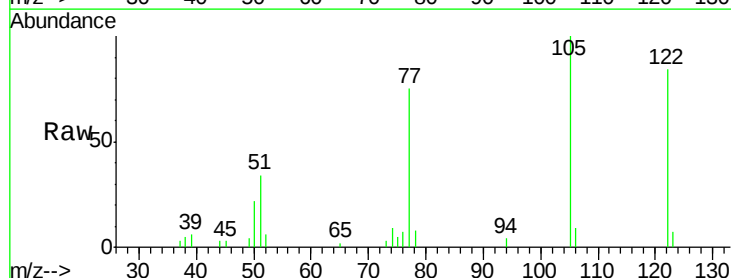
Tgt Ion:122 Resp: 18784

Ion Ratio Lower Upper

122 100

105 118.9 76.1 116.1#

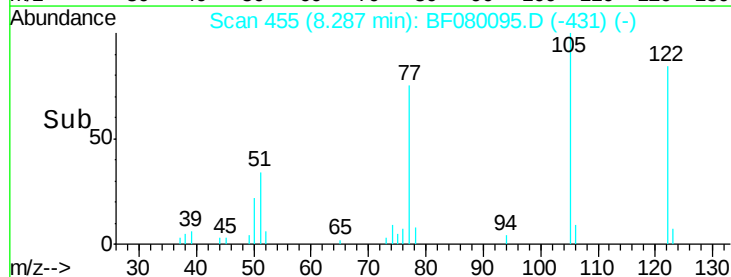
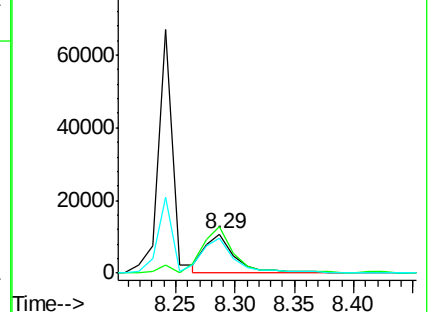
77 89.1 40.5 80.5#

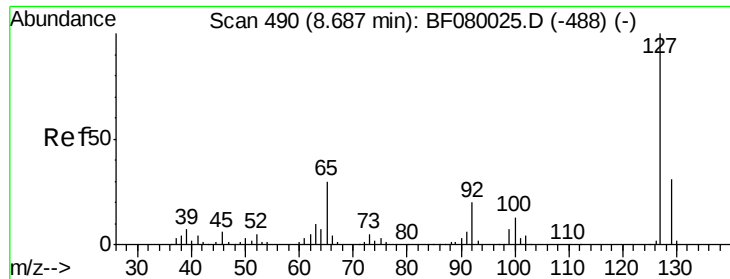


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

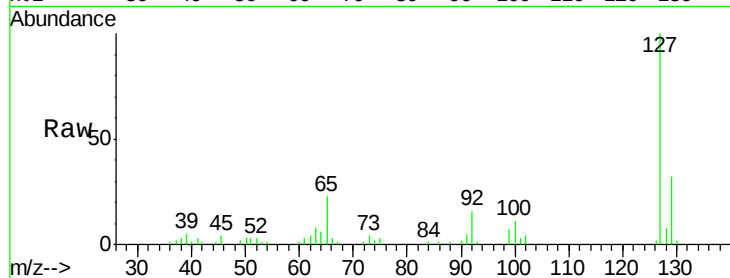




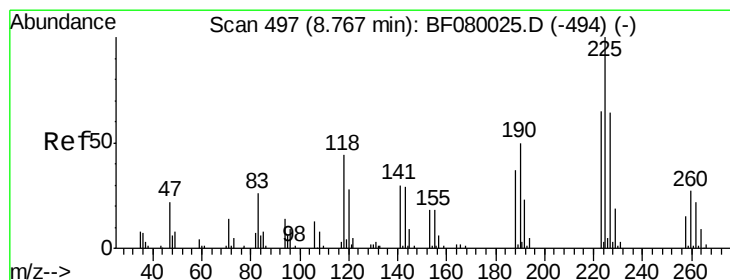
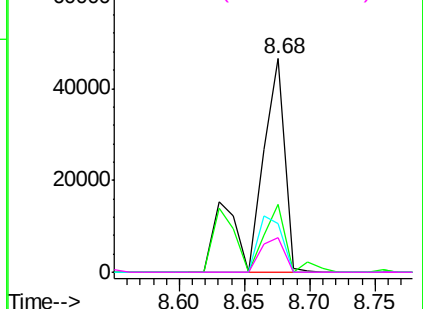
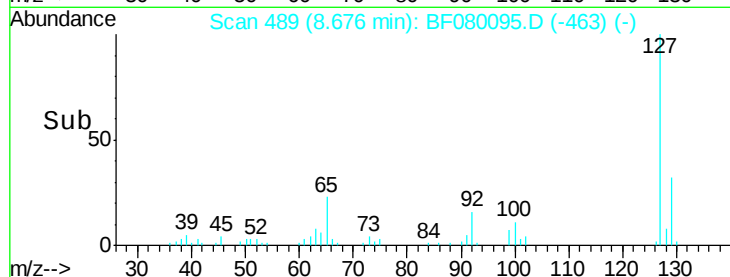
#33
4-Chloroaniline
Concen: 20.34 ng
RT: 8.68 min Scan# 489
Delta R.T. -0.00 min
Lab File: BF080095.D
Acq: 22 Jun 2015 15:41

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2015-02

Tgt Ion:	127	Resp:	70176
Ion	Ratio	Lower	Upper
127	100		
129	31.8	25.8	38.6
65	22.7	17.9	26.9
92	16.2	10.5	15.7#

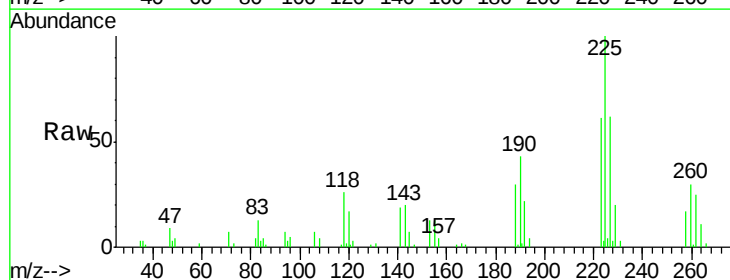


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0

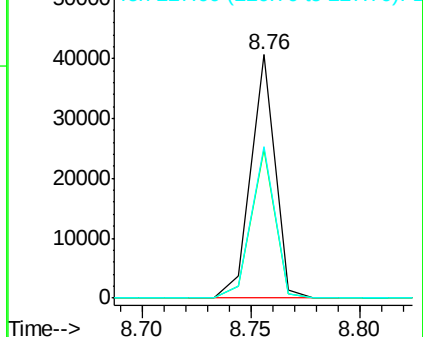
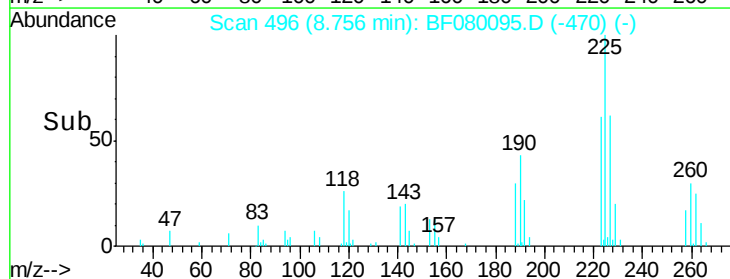


#34
Hexachlorobutadiene
Concen: 21.88 ng
RT: 8.76 min Scan# 496
Delta R.T. -0.00 min
Lab File: BF080095.D
Acq: 22 Jun 2015 15:41

Tgt Ion:	225	Resp:	31270
Ion	Ratio	Lower	Upper
225	100		
223	61.3	50.2	75.2
227	62.4	52.2	78.2



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





#35

Caprolactam

Concen: 20.27 ng

RT: 9.00 min Scan# 517

Delta R.T. -0.02 min

Lab File: BF080095.D

Acq: 22 Jun 2015 15:41

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2015-02

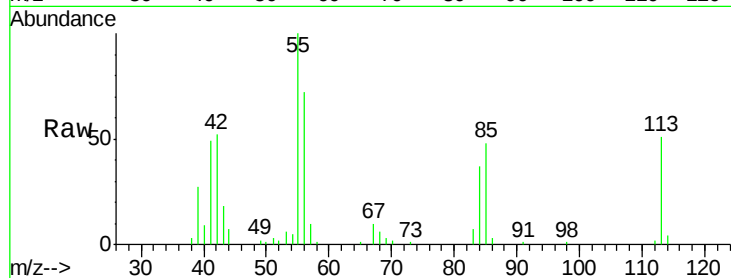
Tgt Ion:113 Resp: 13446

Ion Ratio Lower Upper

113 100

55 195.4 152.4 192.4#

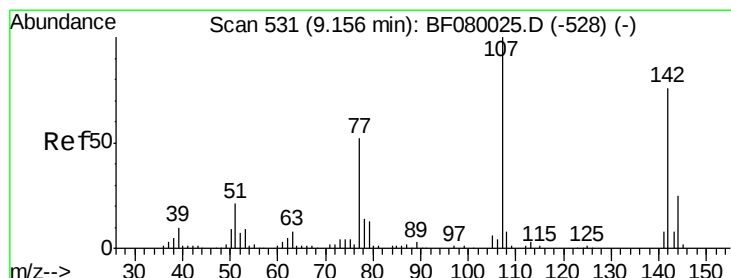
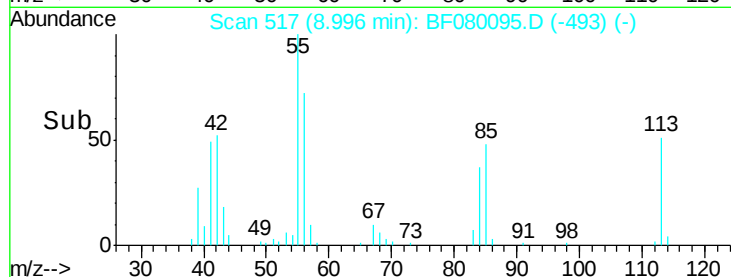
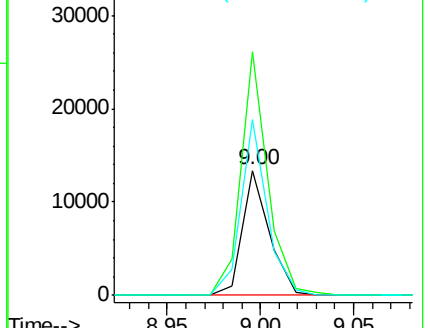
56 141.5 104.6 144.6



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0



#36

4-Chloro-3-methylphenol

Concen: 19.10 ng

RT: 9.14 min Scan# 530

Delta R.T. -0.00 min

Lab File: BF080095.D

Acq: 22 Jun 2015 15:41

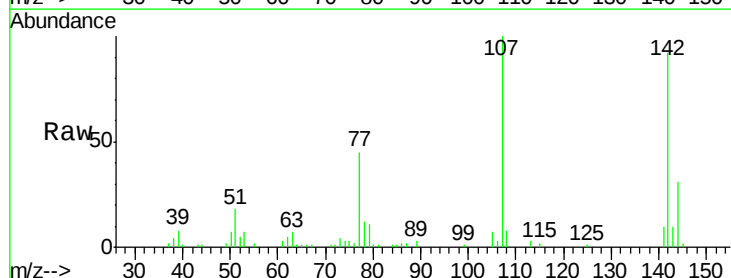
Tgt Ion:107 Resp: 44018

Ion Ratio Lower Upper

107 100

144 30.8 25.4 38.0

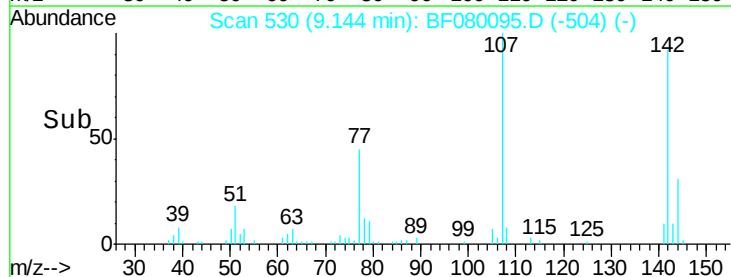
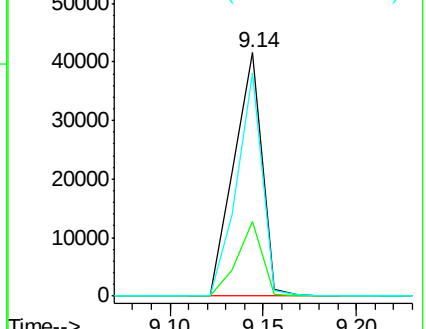
142 91.6 77.3 115.9



Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

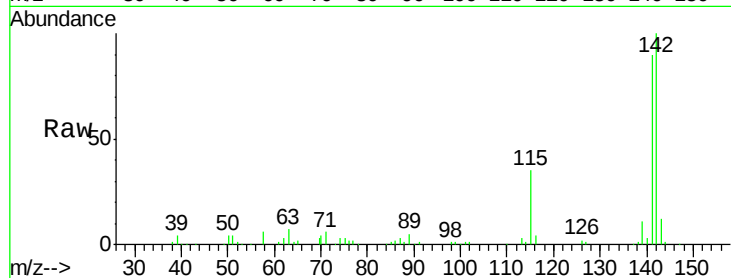




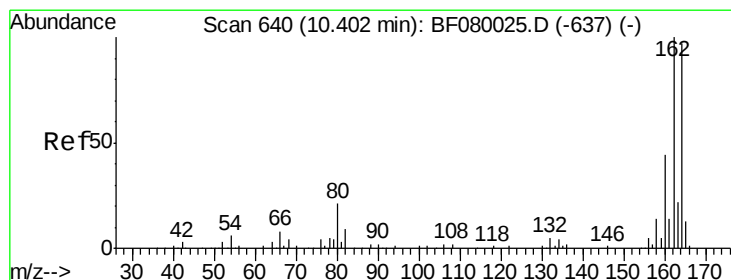
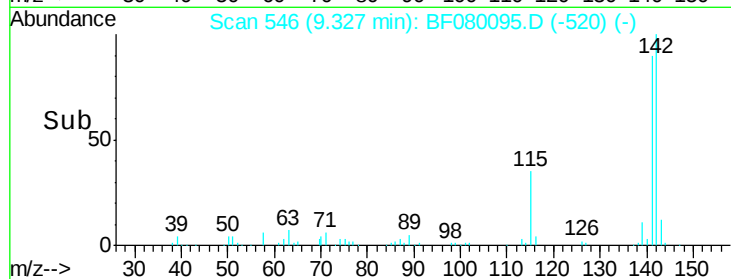
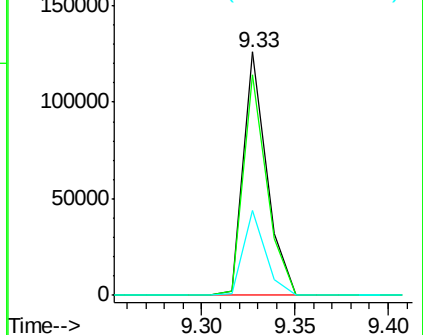
#37
 2-Methylnaphthalene
 Concen: 21.12 ng
 RT: 9.33 min Scan# 546
 Delta R.T. -0.00 min
 Lab File: BF080095.D
 Acq: 22 Jun 2015 15:41

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2015-02

Tgt Ion:142 Resp: 110152
 Ion Ratio Lower Upper
 142 100
 141 90.5 67.5 101.3
 115 35.0 18.2 27.2#

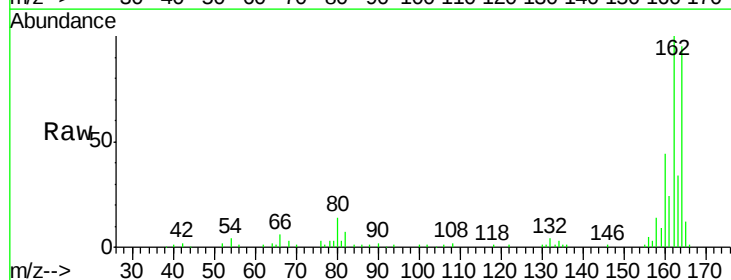


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

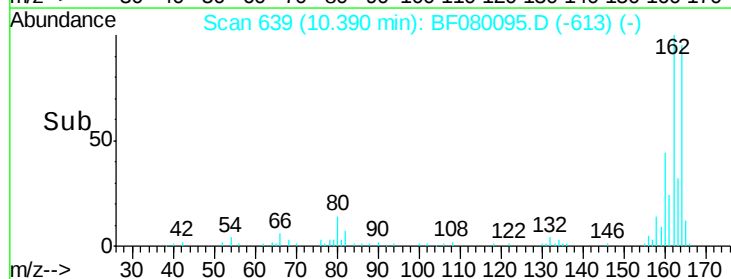
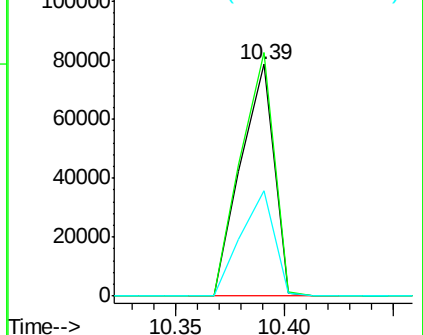


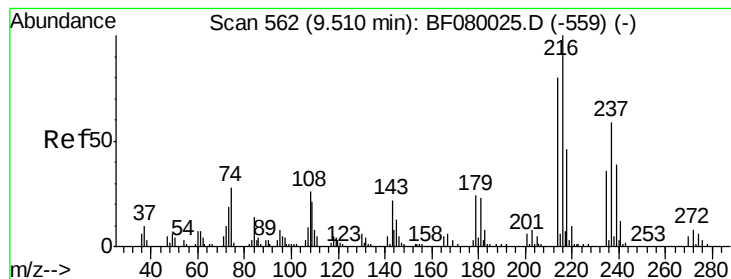
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.39 min Scan# 639
 Delta R.T. -0.00 min
 Lab File: BF080095.D
 Acq: 22 Jun 2015 15:41

Tgt Ion:164 Resp: 83568
 Ion Ratio Lower Upper
 164 100
 162 105.1 75.2 112.8
 160 45.7 31.5 47.3



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





#39

1,2,4,5-Tetrachlorobenzene

Concen: 22.78 ng

RT: 9.50 min Scan# 561

Delta R.T. -0.00 min

Lab File: BF080095.D

Acq: 22 Jun 2015 15:41

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2015-02

Tgt Ion:216 Resp: 55400

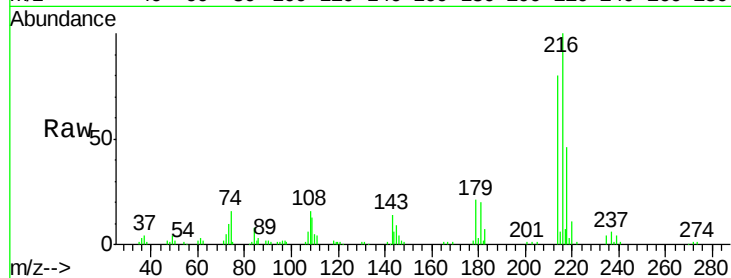
Ion Ratio Lower Upper

216 100

214 79.4 63.5 95.3

179 20.9 16.6 24.8

108 18.4 16.3 24.5

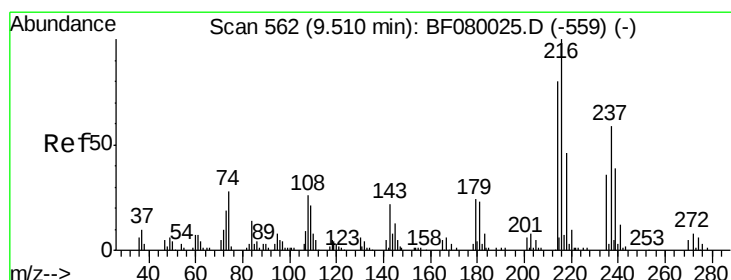
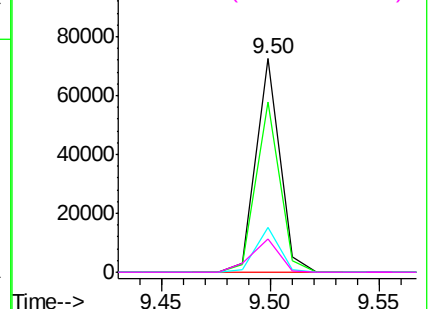
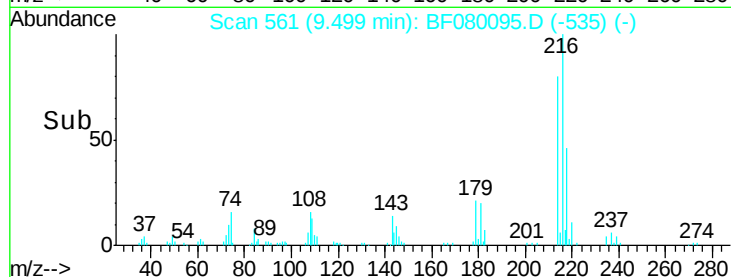


Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



#40

Hexachlorocyclopentadiene

Concen: 21.53 ng

RT: 9.49 min Scan# 560

Delta R.T. -0.00 min

Lab File: BF080095.D

Acq: 22 Jun 2015 15:41

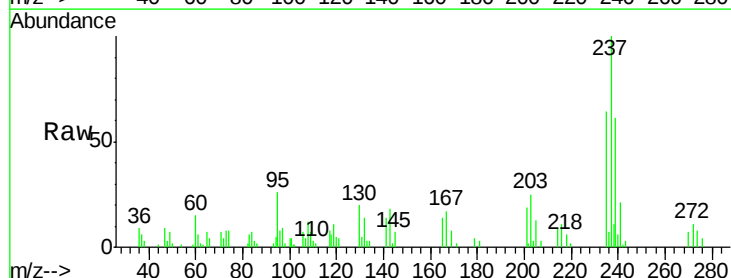
Tgt Ion:237 Resp: 20746

Ion Ratio Lower Upper

237 100

235 63.6 42.0 82.0

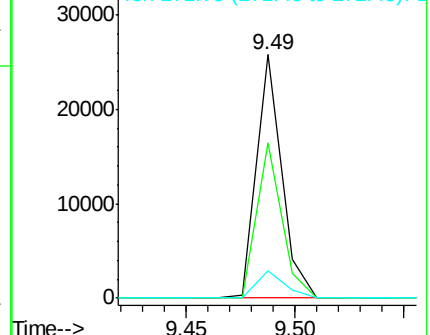
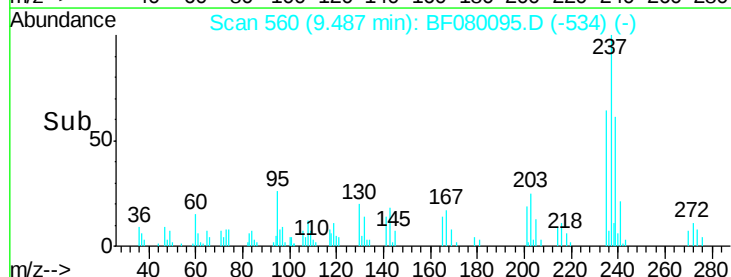
272 11.4 0.0 36.1



Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

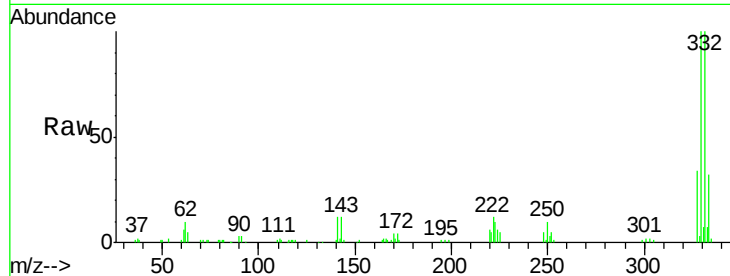




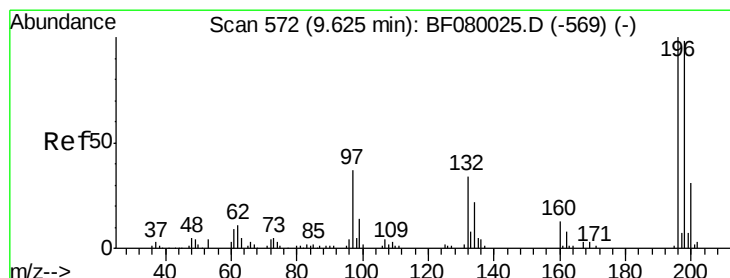
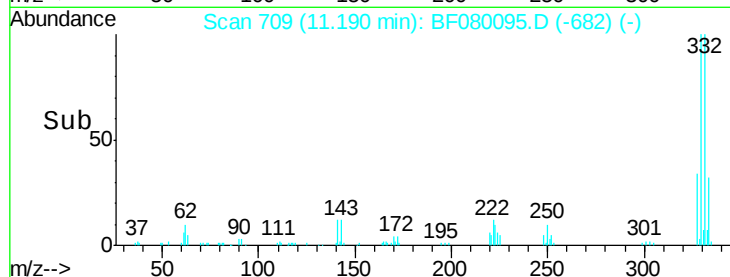
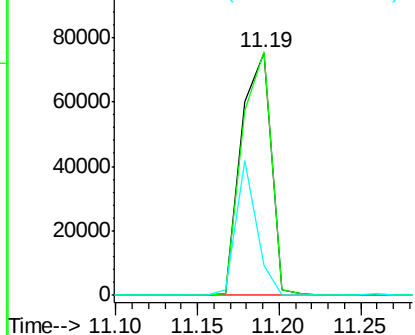
#41
 2,4,6-Tribromophenol
 Concen: 115.76 ng
 RT: 11.19 min Scan# 709
 Delta R.T. 0.01 min
 Lab File: BF080095.D
 Acq: 22 Jun 2015 15:41

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2015-02

Tgt Ion:330 Resp: 94594
 Ion Ratio Lower Upper
 330 100
 332 98.0 76.6 114.8
 141 38.1 29.7 44.5

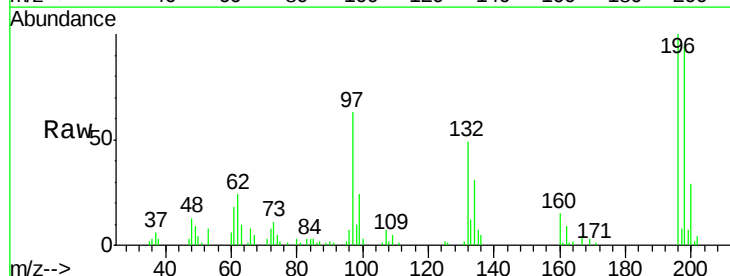


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

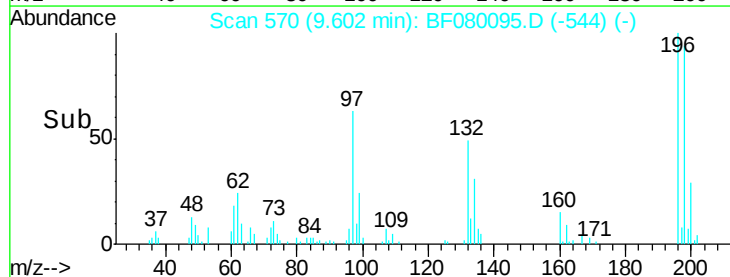
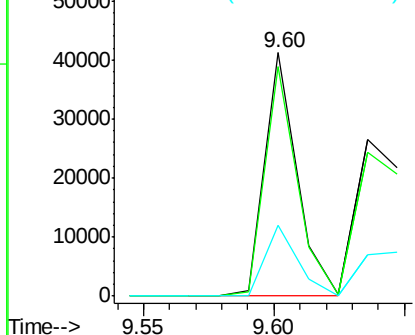


#42
 2,4,6-Trichlorophenol
 Concen: 21.11 ng
 RT: 9.60 min Scan# 570
 Delta R.T. -0.00 min
 Lab File: BF080095.D
 Acq: 22 Jun 2015 15:41

Tgt Ion:196 Resp: 34923
 Ion Ratio Lower Upper
 196 100
 198 94.2 75.7 113.5
 200 29.1 23.9 35.9



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

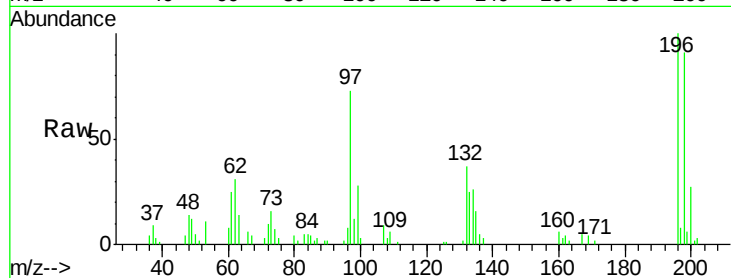




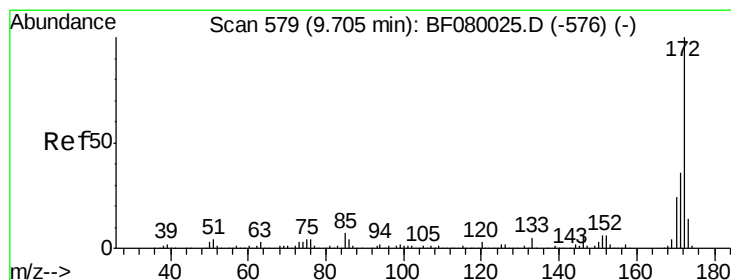
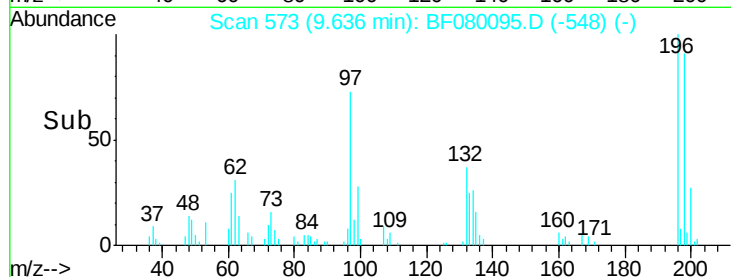
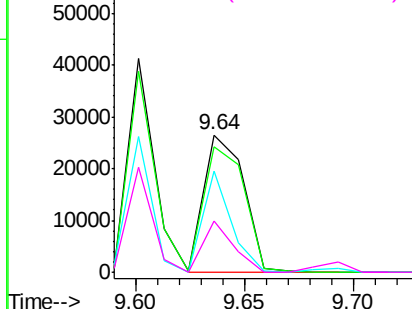
#43
 2,4,5-Trichlorophenol
 Concen: 17.78 ng
 RT: 9.64 min Scan# 573
 Delta R.T. -0.01 min
 Lab File: BF080095.D
 Acq: 22 Jun 2015 15:41

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2015-02

Tgt Ion:196 Resp: 33901
 Ion Ratio Lower Upper
 196 100
 198 91.4 75.4 113.0
 97 73.2 33.3 49.9#
 132 37.2 24.6 37.0#

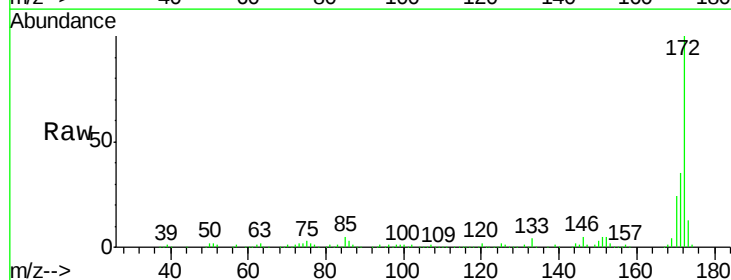


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF0
 Ion 132.00 (131.70 to 132.70): E

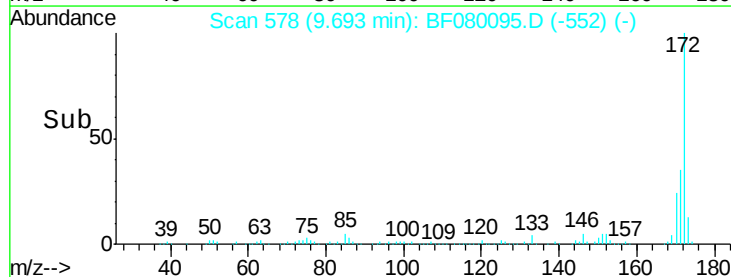
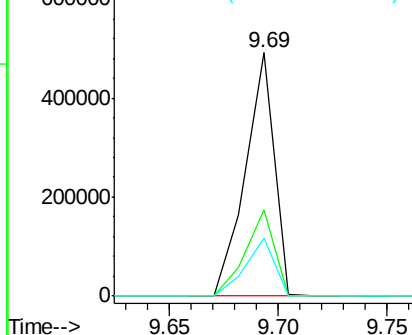


#44
 2-Fluorobiphenyl
 Concen: 77.20 ng
 RT: 9.69 min Scan# 578
 Delta R.T. -0.00 min
 Lab File: BF080095.D
 Acq: 22 Jun 2015 15:41

Tgt Ion:172 Resp: 452368
 Ion Ratio Lower Upper
 172 100
 171 35.4 26.1 39.1
 170 23.6 17.4 26.2



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

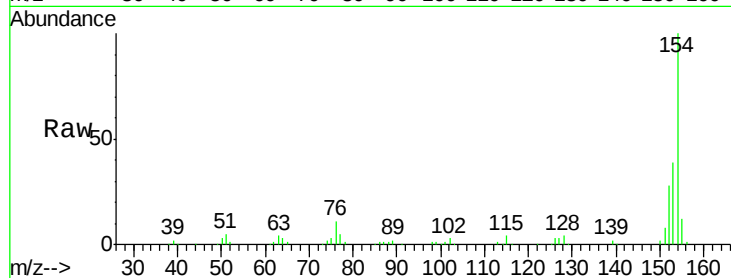




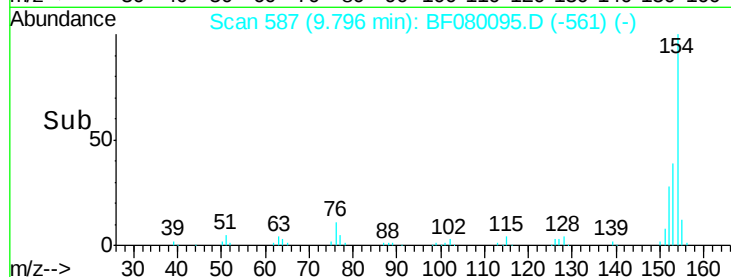
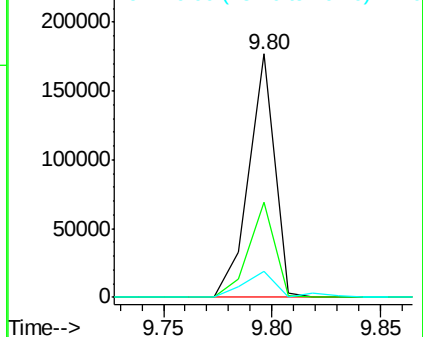
#45
 1,1'-Biphenyl
 Concen: 21.47 ng
 RT: 9.80 min Scan# 587
 Delta R.T. -0.00 min
 Lab File: BF080095.D
 Acq: 22 Jun 2015 15:41

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2015-02

Tgt Ion	Ratio	Lower	Upper
154	100		
153	39.2	17.1	57.1
76	10.6	0.0	31.6

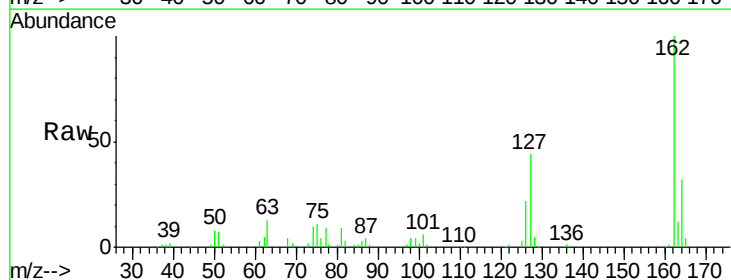


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF0

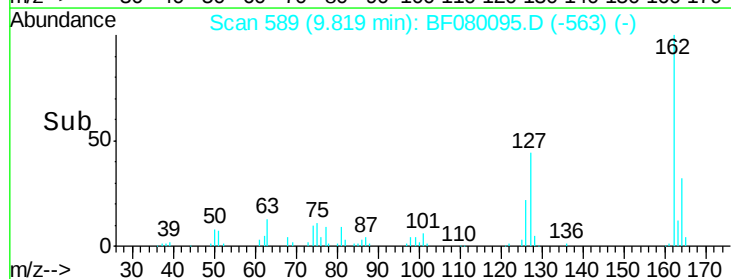
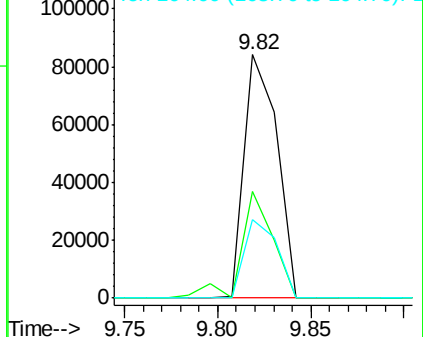


#46
 2-Chloronaphthalene
 Concen: 18.54 ng
 RT: 9.82 min Scan# 589
 Delta R.T. -0.00 min
 Lab File: BF080095.D
 Acq: 22 Jun 2015 15:41

Tgt Ion	Ratio	Lower	Upper
162	100		
127	43.8	27.6	41.4#
164	32.1	25.4	38.2



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

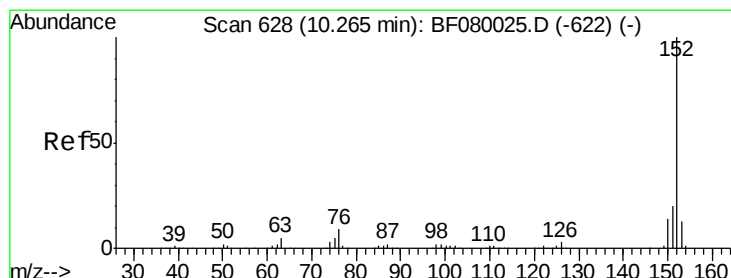
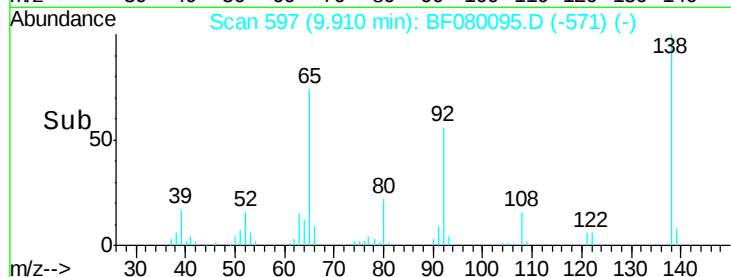
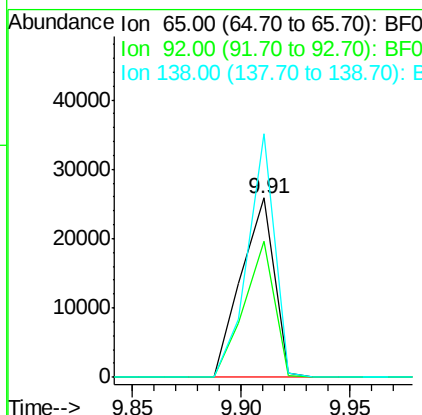
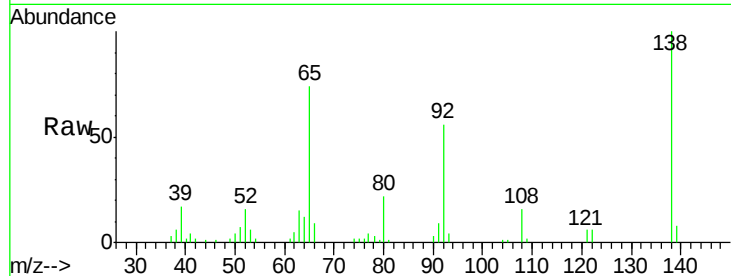




#47
 2-Nitroaniline
 Concen: 18.10 ng
 RT: 9.91 min Scan# 597
 Delta R.T. -0.00 min
 Lab File: BF080095.D
 Acq: 22 Jun 2015 15:41

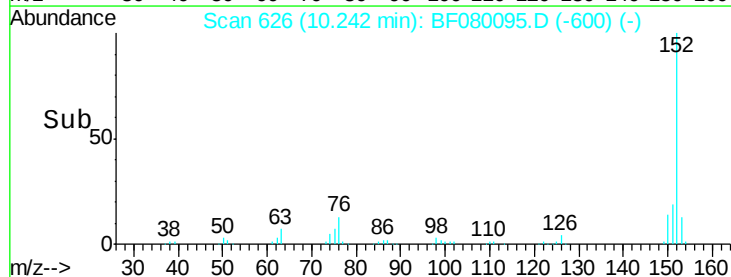
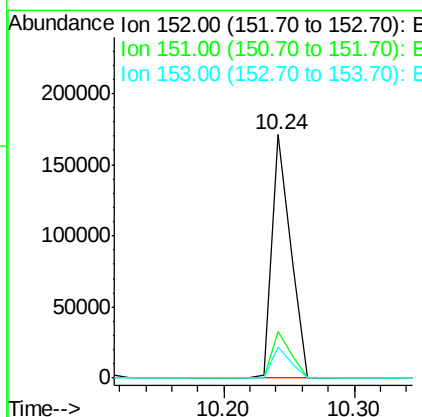
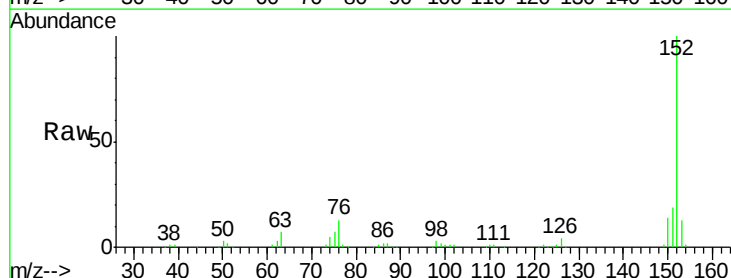
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2015-02

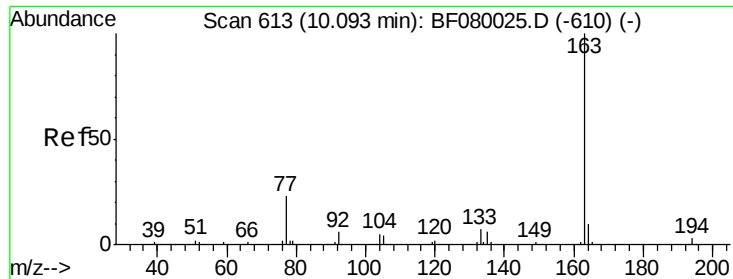
Tgt Ion: 65 Resp: 27405
 Ion Ratio Lower Upper
 65 100
 92 76.1 55.4 83.0
 138 135.7 115.5 173.3



#48
 Acenaphthylene
 Concen: 18.73 ng
 RT: 10.24 min Scan# 626
 Delta R.T. -0.00 min
 Lab File: BF080095.D
 Acq: 22 Jun 2015 15:41

Tgt Ion: 152 Resp: 172446
 Ion Ratio Lower Upper
 152 100
 151 19.3 14.6 22.0
 153 12.8 10.3 15.5

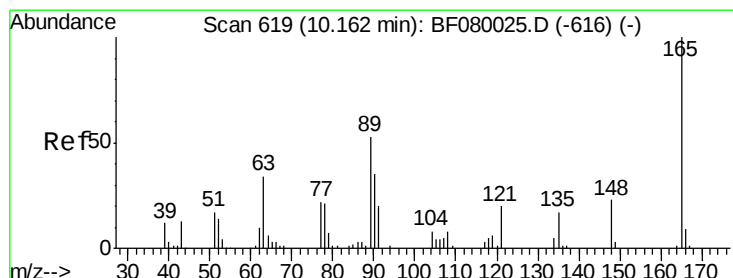
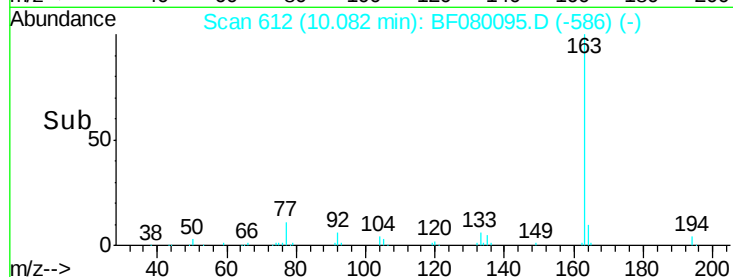
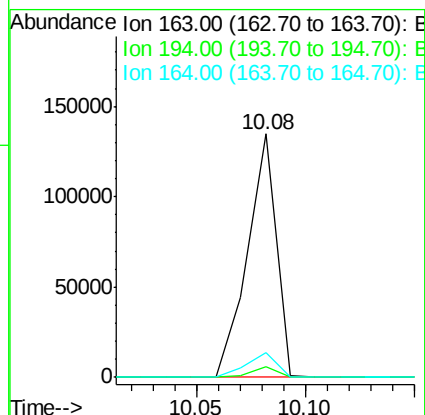
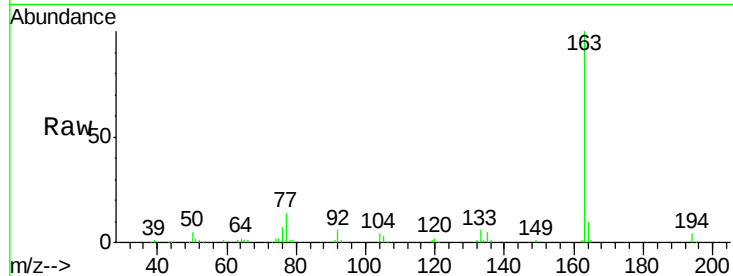




#49
Dimethylphthalate
Concen: 19.64 ng
RT: 10.08 min Scan# 612
Delta R.T. -0.00 min
Lab File: BF080095.D
Acq: 22 Jun 2015 15:41

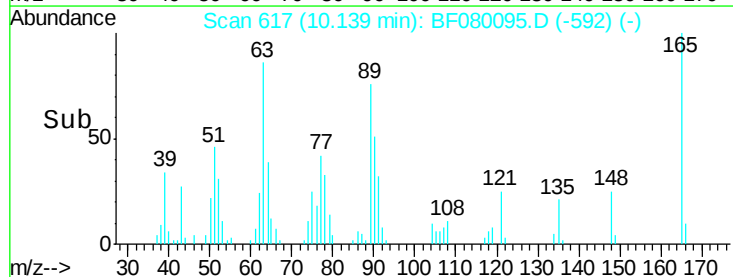
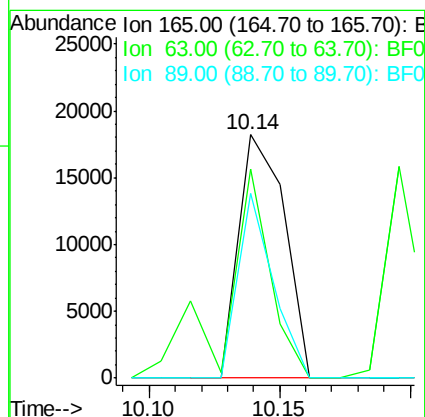
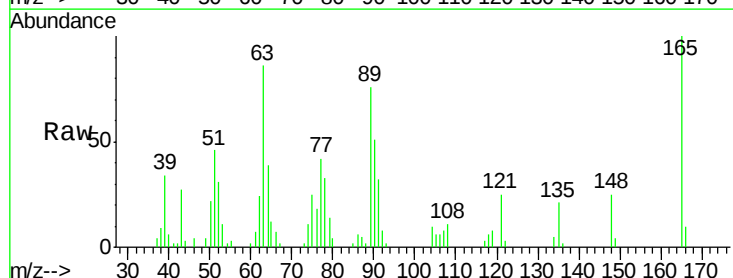
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2015-02

Tgt Ion:163 Resp: 123412
Ion Ratio Lower Upper
163 100
194 4.2 4.4 6.6#
164 10.1 8.3 12.5



#50
2,6-Dinitrotoluene
Concen: 17.79 ng
RT: 10.14 min Scan# 617
Delta R.T. -0.01 min
Lab File: BF080095.D
Acq: 22 Jun 2015 15:41

Tgt Ion:165 Resp: 22410
Ion Ratio Lower Upper
165 100
63 86.0 32.3 48.5#
89 75.8 28.6 43.0#





#51

Acenaphthene

Concen: 18.11 ng

RT: 10.42 min Scan# 642

Delta R.T. -0.00 min

Lab File: BF080095.D

Acq: 22 Jun 2015 15:41

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2015-02

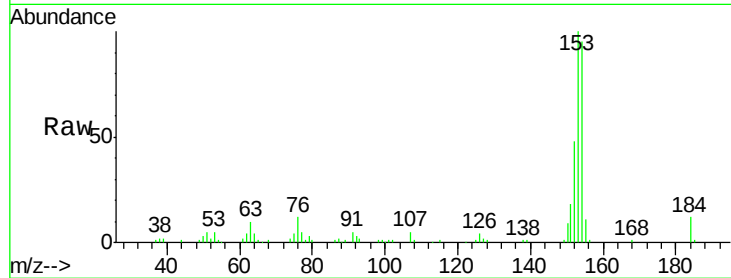
Tgt Ion:154 Resp: 102012

Ion Ratio Lower Upper

154 100

153 105.4 82.1 123.1

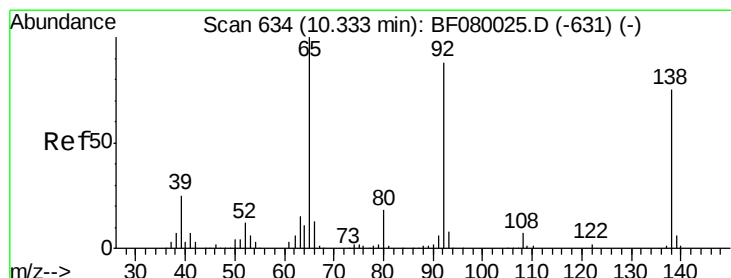
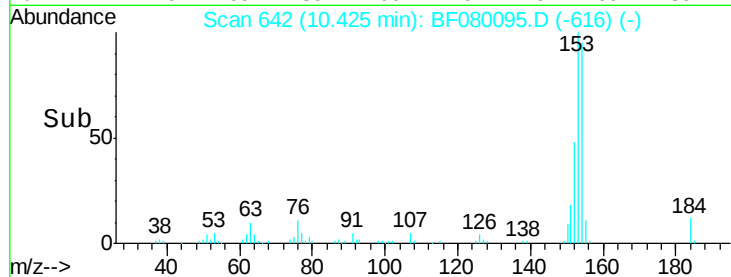
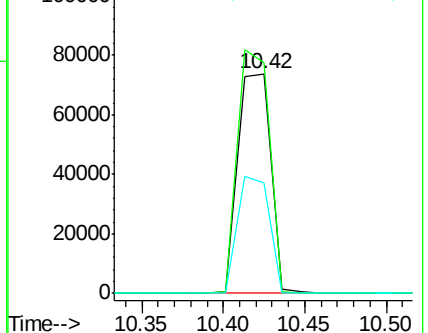
152 50.3 37.9 56.9



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 17.19 ng

RT: 10.31 min Scan# 632

Delta R.T. -0.01 min

Lab File: BF080095.D

Acq: 22 Jun 2015 15:41

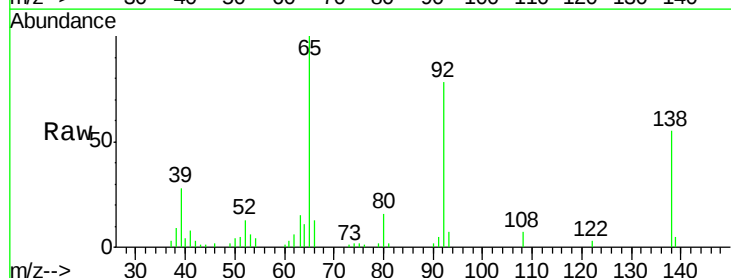
Tgt Ion:138 Resp: 24974

Ion Ratio Lower Upper

138 100

108 13.0 5.7 8.5#

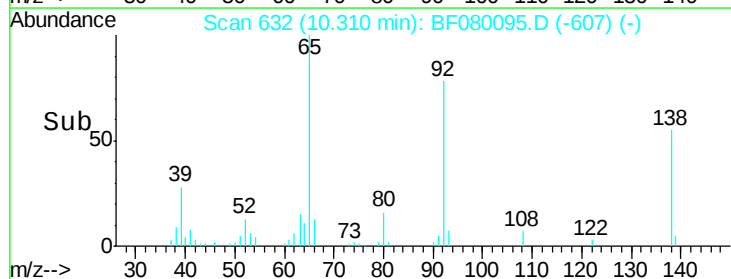
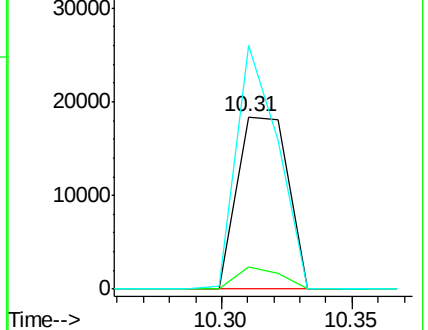
92 141.4 67.7 101.5#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

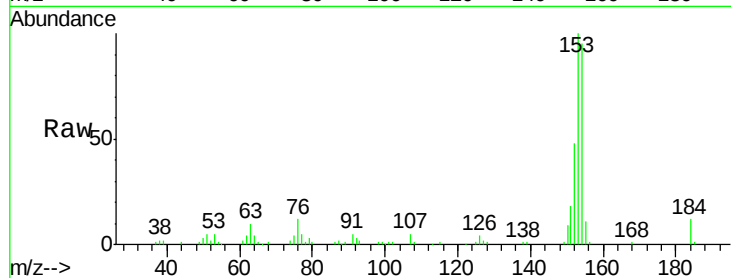




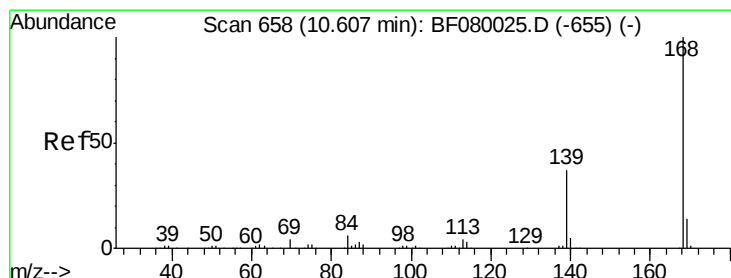
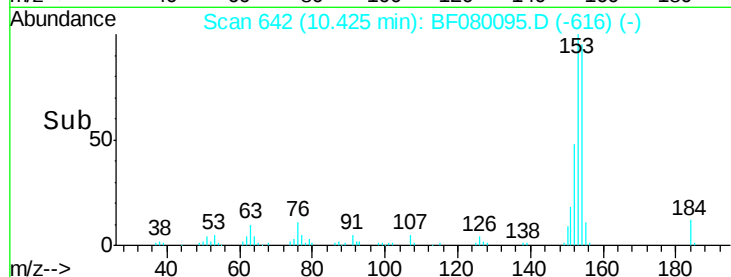
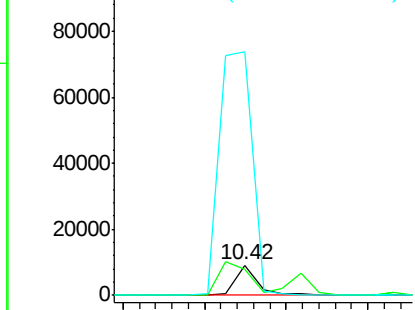
#53
2,4-Dinitrophenol
Concen: 21.20 ng
RT: 10.42 min Scan# 642
Delta R.T. -0.00 min
Lab File: BF080095.D
Acq: 22 Jun 2015 15:41

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2015-02

Tgt Ion:184 Resp: 8499
Ion Ratio Lower Upper
184 100
63 88.0 35.4 53.2#
154 815.7 32.2 48.4#

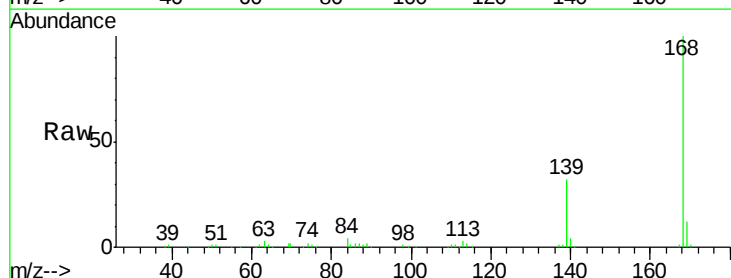


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 154.00 (153.70 to 154.70): E

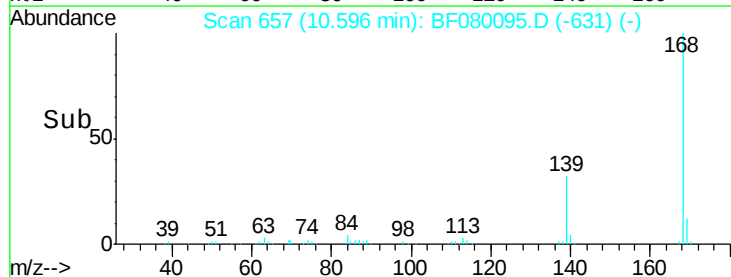
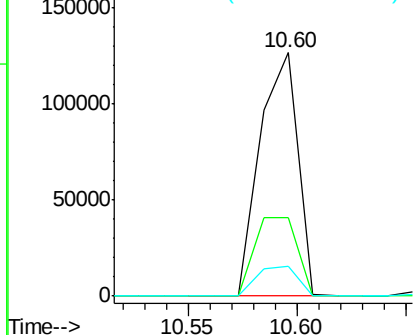


#54
Dibenzofuran
Concen: 19.28 ng
RT: 10.60 min Scan# 657
Delta R.T. -0.00 min
Lab File: BF080095.D
Acq: 22 Jun 2015 15:41

Tgt Ion:168 Resp: 154083
Ion Ratio Lower Upper
168 100
139 32.3 24.2 36.2
169 12.3 10.6 15.8



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

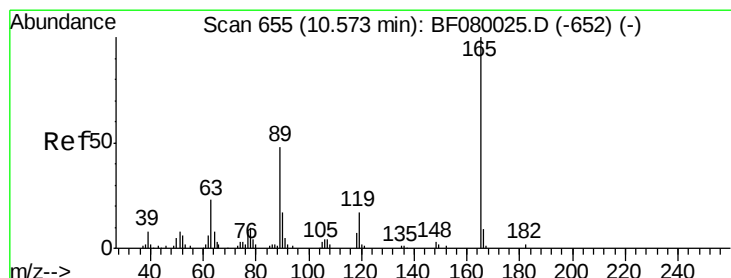
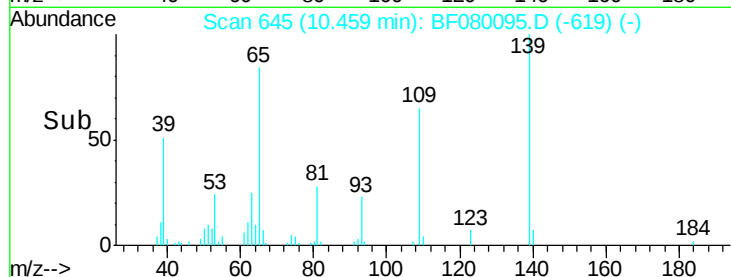
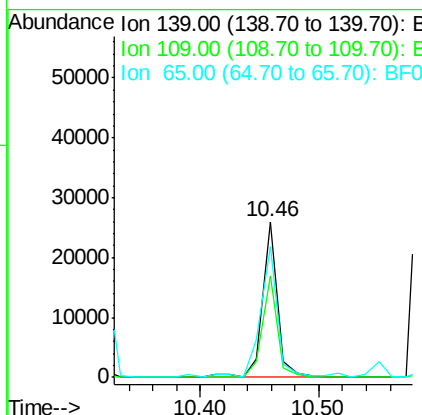
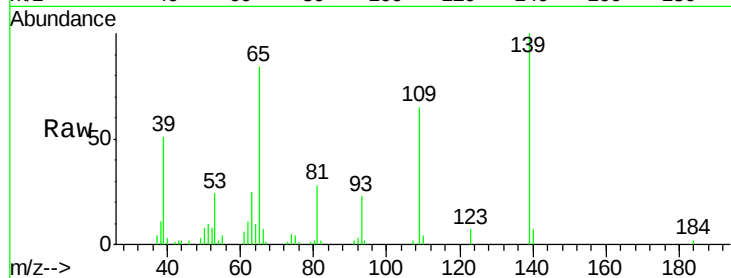




#55
4-Nitrophenol
Concen: 19.86 ng
RT: 10.46 min Scan# 645
Delta R.T. -0.00 min
Lab File: BF080095.D
Acq: 22 Jun 2015 15:41

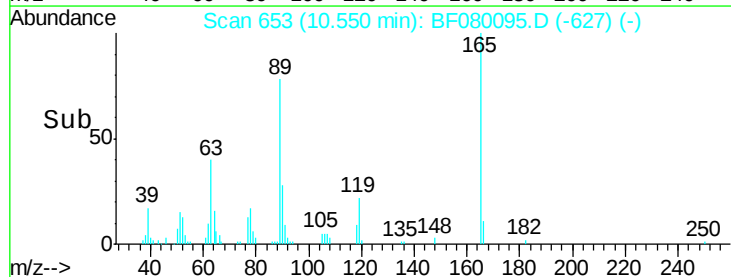
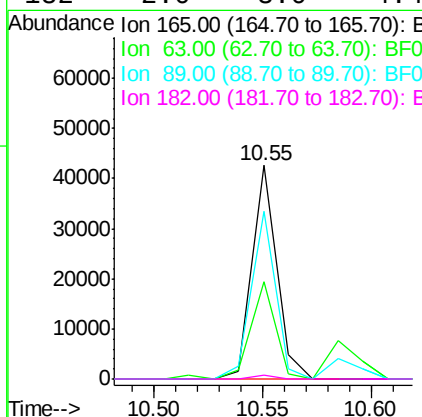
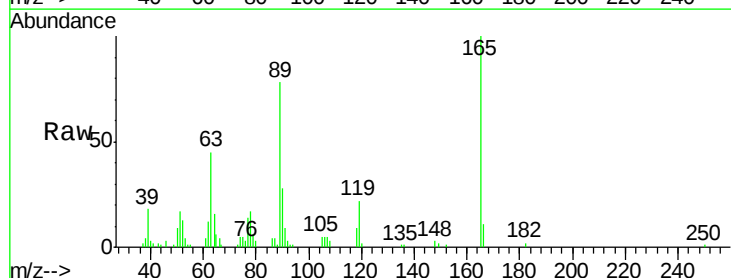
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2015-02

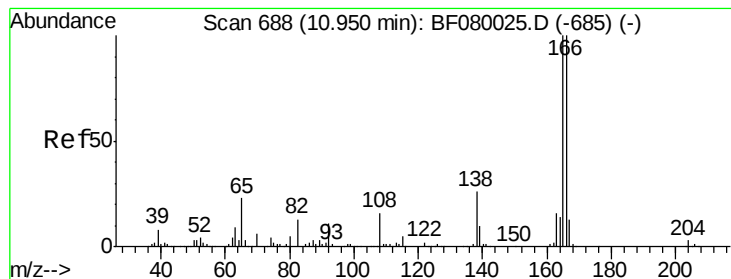
Tgt Ion:139 Resp: 23071
Ion Ratio Lower Upper
139 100
109 65.3 12.7 52.7#
65 84.5 45.9 85.9



#56
2,4-Dinitrotoluene
Concen: 20.97 ng
RT: 10.55 min Scan# 653
Delta R.T. -0.00 min
Lab File: BF080095.D
Acq: 22 Jun 2015 15:41

Tgt Ion:165 Resp: 33523
Ion Ratio Lower Upper
165 100
63 45.5 29.8 44.6#
89 78.5 44.5 66.7#
182 2.0 3.0 4.4#





#57

Fluorene

Concen: 21.16 ng

RT: 10.94 min Scan# 687

Delta R.T. -0.00 min

Lab File: BF080095.D

Acq: 22 Jun 2015 15:41

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2015-02

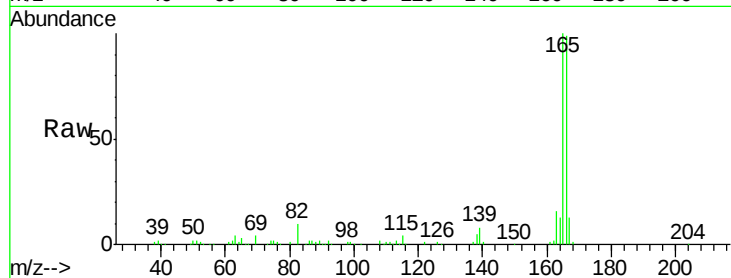
Tgt Ion:166 Resp: 134196

Ion Ratio Lower Upper

166 100

165 101.1 72.6 109.0

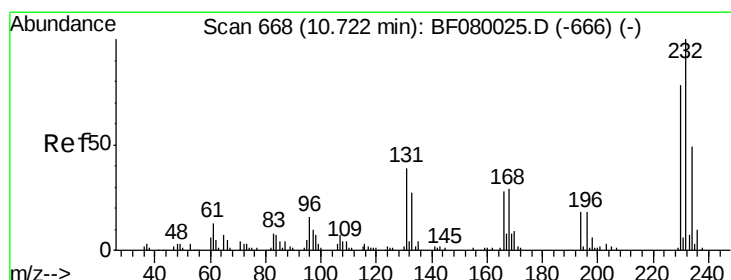
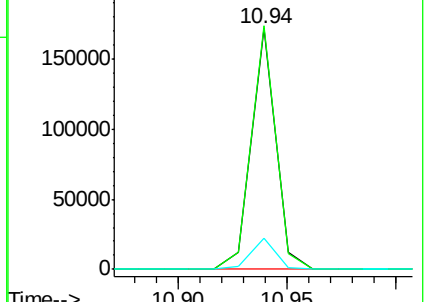
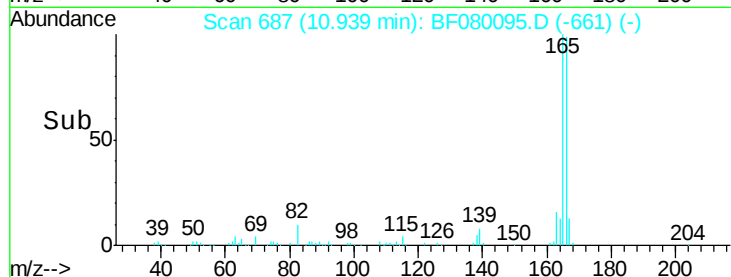
167 13.1 10.6 16.0



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 18.15 ng

RT: 10.71 min Scan# 667

Delta R.T. -0.00 min

Lab File: BF080095.D

Acq: 22 Jun 2015 15:41

Tgt Ion:232 Resp: 29214

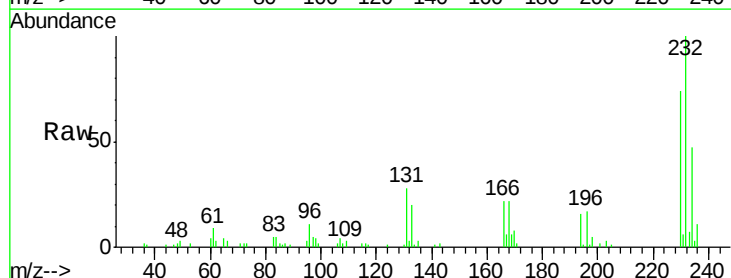
Ion Ratio Lower Upper

232 100

131 44.6 38.5 57.7

130 2.1 1.8 2.6

166 29.6 25.0 37.6

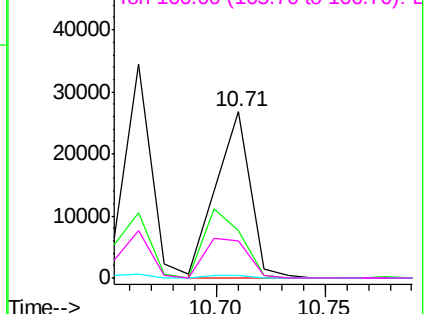
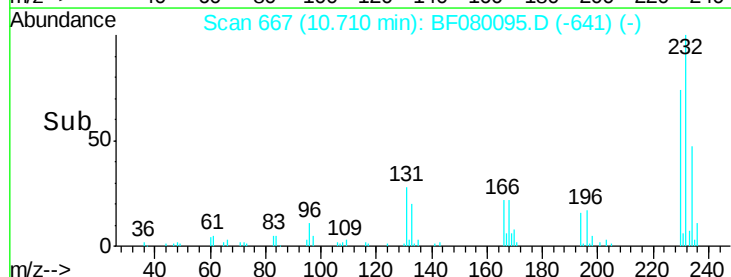


Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E

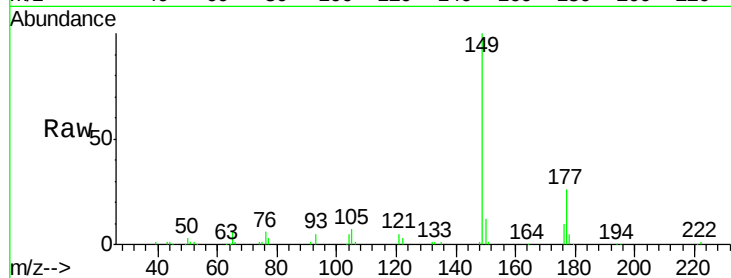




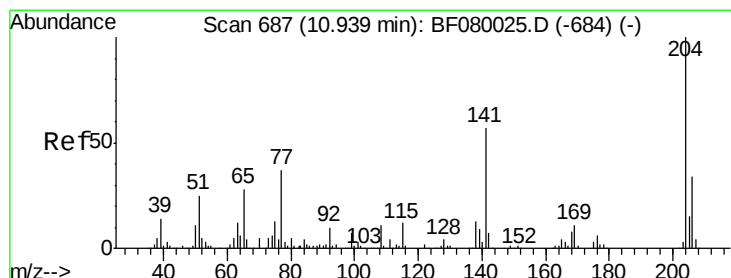
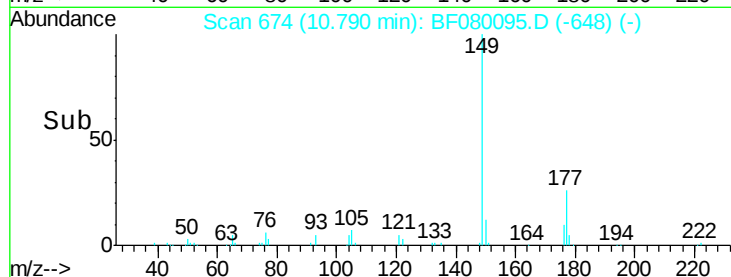
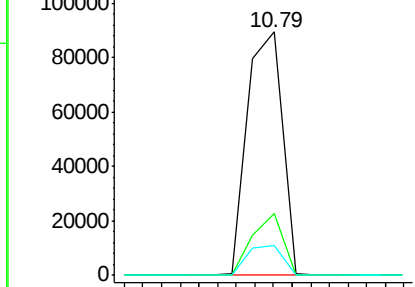
#59
Diethylphthalate
Concen: 18.43 ng
RT: 10.79 min Scan# 674
Delta R.T. -0.00 min
Lab File: BF080095.D
Acq: 22 Jun 2015 15:41

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2015-02

Tgt Ion:149 Resp: 116571
Ion Ratio Lower Upper
149 100
177 25.6 17.5 26.3
150 12.0 9.4 14.2

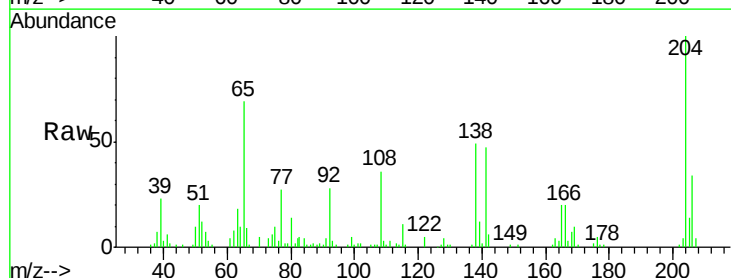


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E

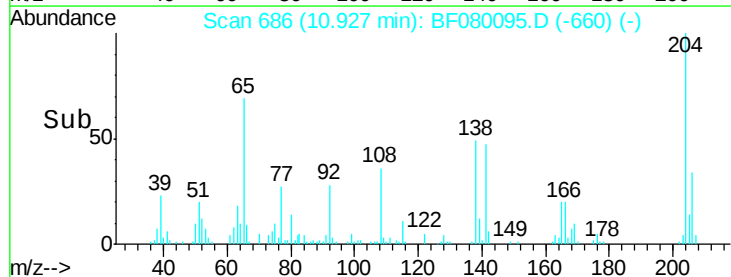
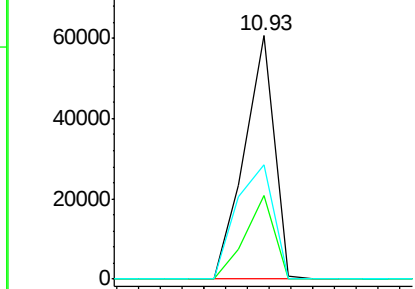


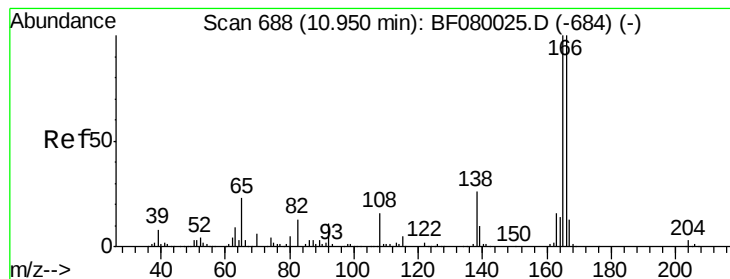
#60
4-Chlorophenyl-phenylether
Concen: 19.09 ng
RT: 10.93 min Scan# 686
Delta R.T. -0.00 min
Lab File: BF080095.D
Acq: 22 Jun 2015 15:41

Tgt Ion:204 Resp: 58174
Ion Ratio Lower Upper
204 100
206 34.3 24.8 37.2
141 47.2 42.2 63.4



Abundance Ion 204.00 (203.70 to 204.70): E
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E





#61

4-Nitroaniline

Concen: 18.42 ng

RT: 10.93 min Scan# 686

Delta R.T. -0.00 min

Lab File: BF080095.D

Acq: 22 Jun 2015 15:41

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2015-02

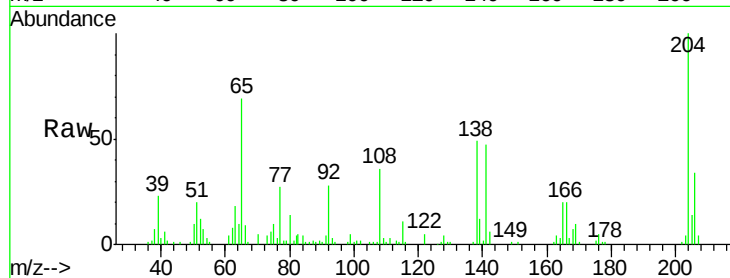
Tgt Ion:138 Resp: 27646

Ion Ratio Lower Upper

138 100

92 57.4 12.6 52.6#

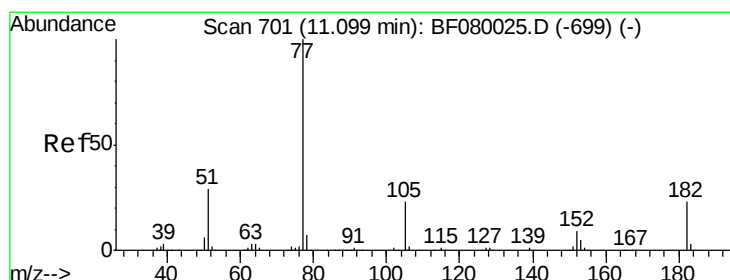
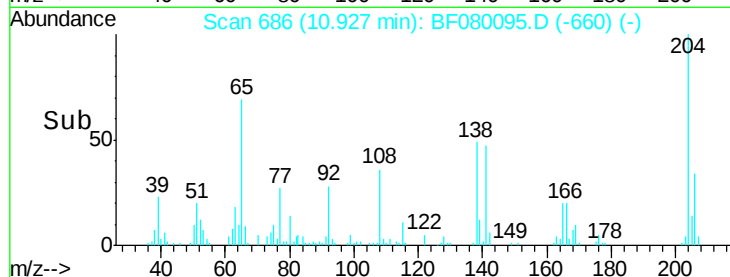
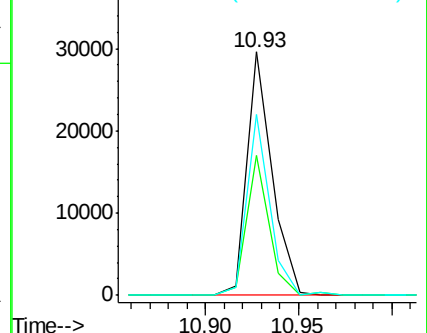
108 74.5 12.4 52.4#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF0

Ion 108.00 (107.70 to 108.70): E



#62

Azobenzene

Concen: 19.41 ng

RT: 11.09 min Scan# 700

Delta R.T. -0.00 min

Lab File: BF080095.D

Acq: 22 Jun 2015 15:41

Tgt Ion: 77 Resp: 124997

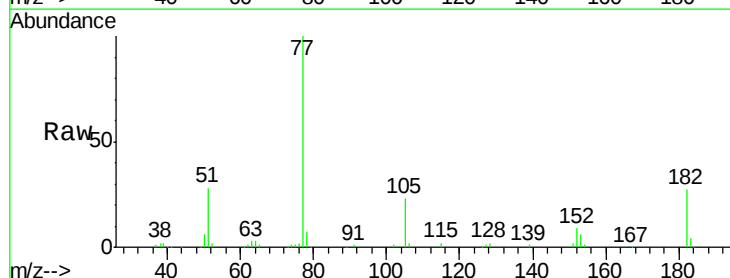
Ion Ratio Lower Upper

77 100

182 27.3 15.1 55.1

105 23.5 3.4 43.4

51 28.2 12.0 52.0

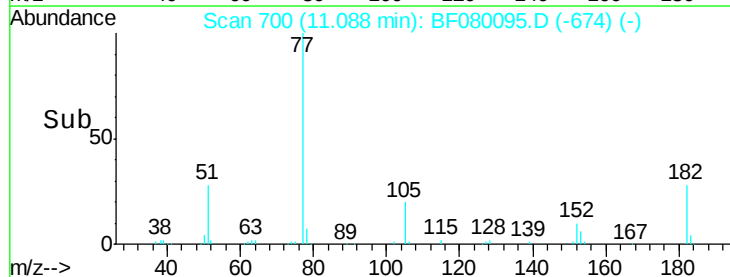
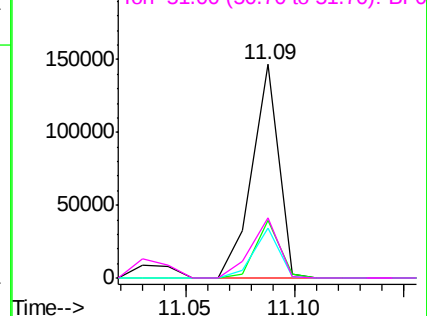


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0

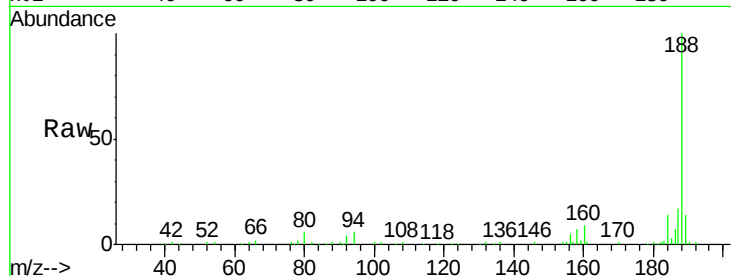




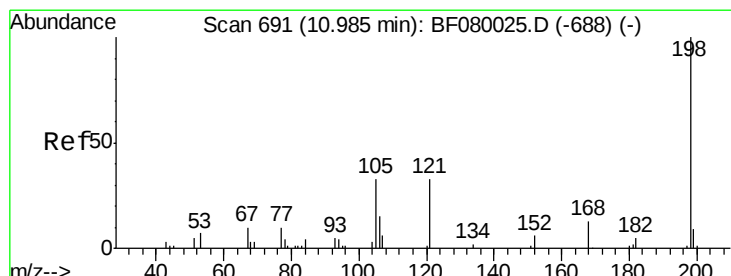
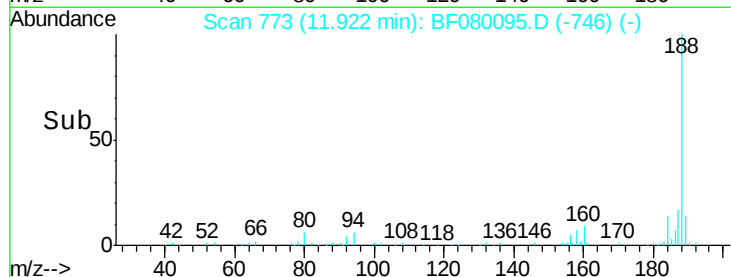
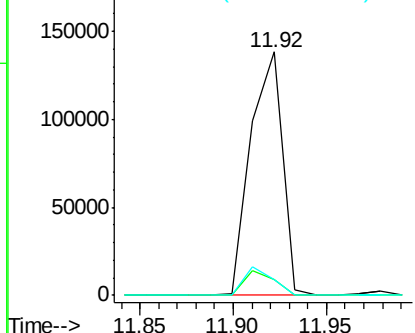
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.92 min Scan# 773
 Delta R.T. 0.01 min
 Lab File: BF080095.D
 Acq: 22 Jun 2015 15:41

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2015-02

Tgt Ion:188 Resp: 166143
 Ion Ratio Lower Upper
 188 100
 94 6.3 11.1 16.7#
 80 6.5 11.0 16.4#

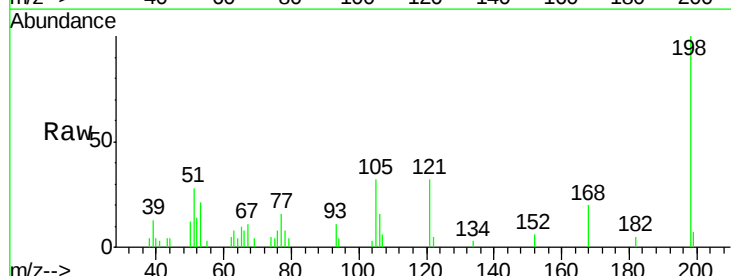


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

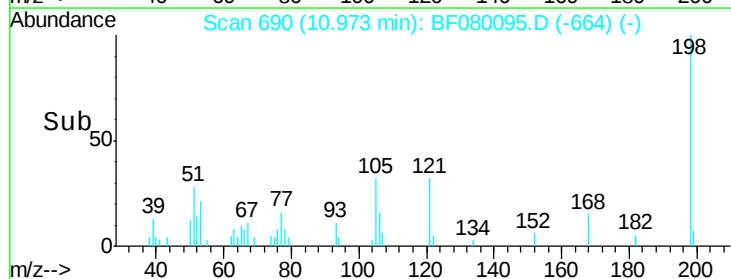
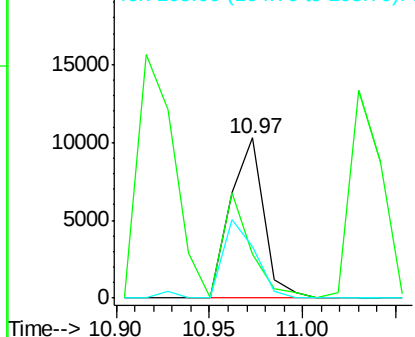


#64
 4,6-Dinitro-2-methylphenol
 Concen: 20.54 ng
 RT: 10.97 min Scan# 690
 Delta R.T. -0.00 min
 Lab File: BF080095.D
 Acq: 22 Jun 2015 15:41

Tgt Ion:198 Resp: 12727
 Ion Ratio Lower Upper
 198 100
 51 27.6 39.6 79.6#
 105 32.3 28.5 68.5



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

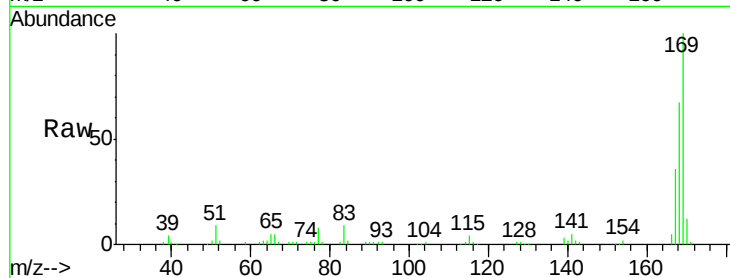




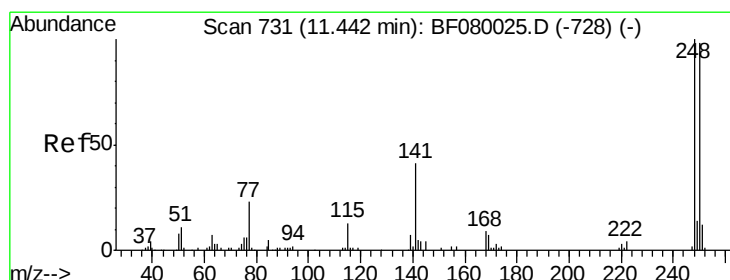
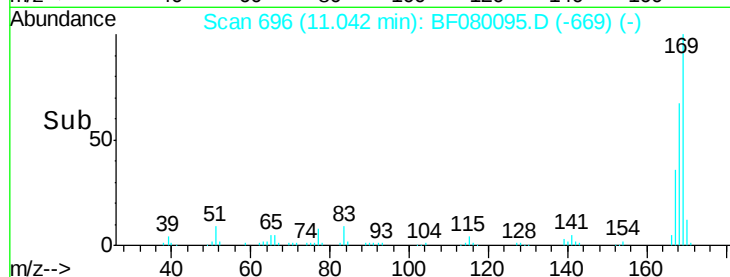
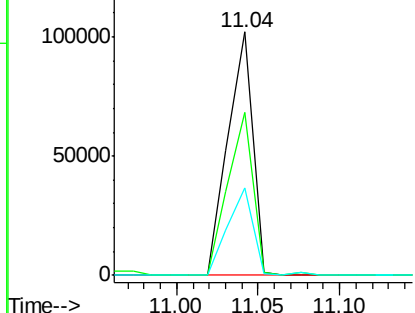
#65
 n-Nitrosodiphenylamine
 Concen: 19.76 ng
 RT: 11.04 min Scan# 696
 Delta R.T. 0.01 min
 Lab File: BF080095.D
 Acq: 22 Jun 2015 15:41

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2015-02

Tgt Ion:169 Resp: 106893
 Ion Ratio Lower Upper
 169 100
 168 66.8 48.9 73.3
 167 35.9 26.2 39.4

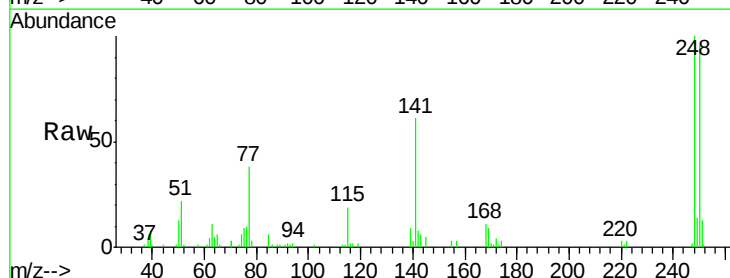


Abundance Ion 169.00 (168.70 to 169.70): E
 Ion 168.00 (167.70 to 168.70): E
 Ion 167.00 (166.70 to 167.70): E

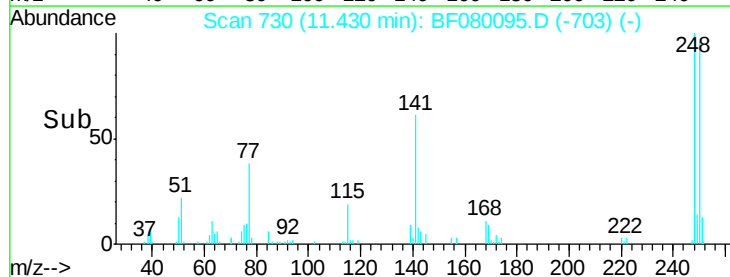
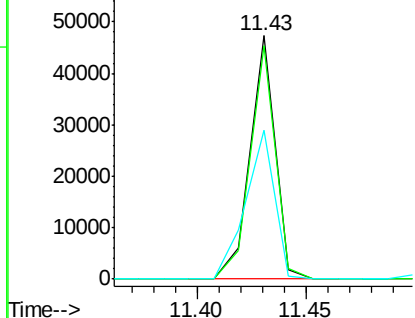


#66
 4-Bromophenyl-phenylether
 Concen: 21.37 ng
 RT: 11.43 min Scan# 730
 Delta R.T. 0.01 min
 Lab File: BF080095.D
 Acq: 22 Jun 2015 15:41

Tgt Ion:248 Resp: 37752
 Ion Ratio Lower Upper
 248 100
 250 95.8 78.5 117.7
 141 61.0 59.0 88.6



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

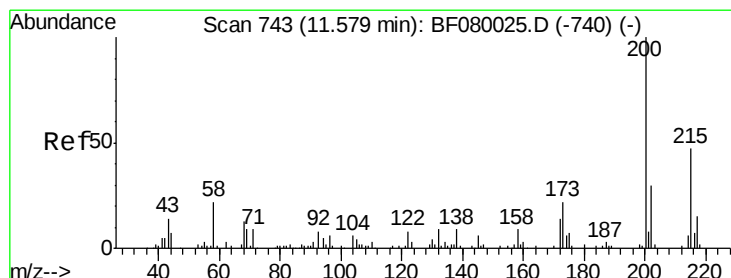
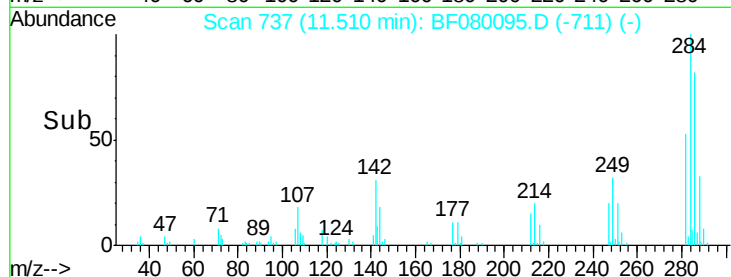
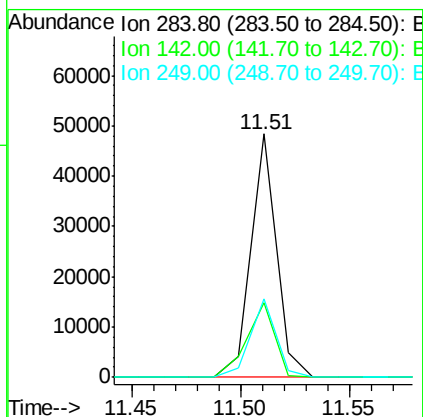
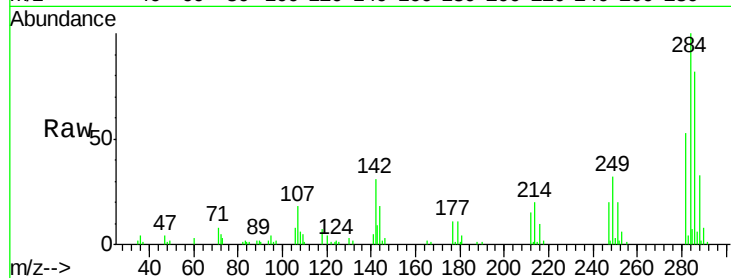




#67
Hexachlorobenzene
Concen: 20.07 ng
RT: 11.51 min Scan# 737
Delta R.T. -0.00 min
Lab File: BF080095.D
Acq: 22 Jun 2015 15:41

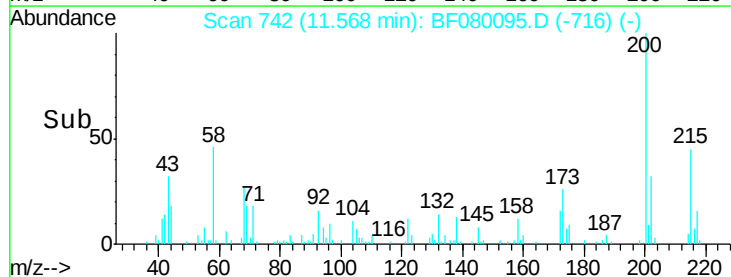
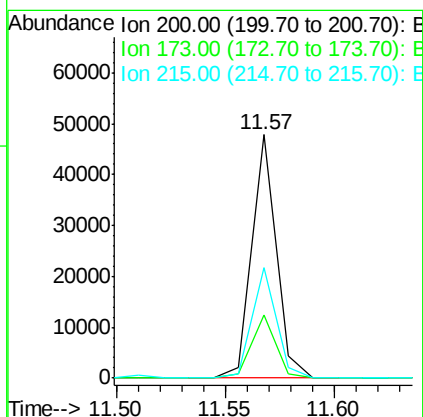
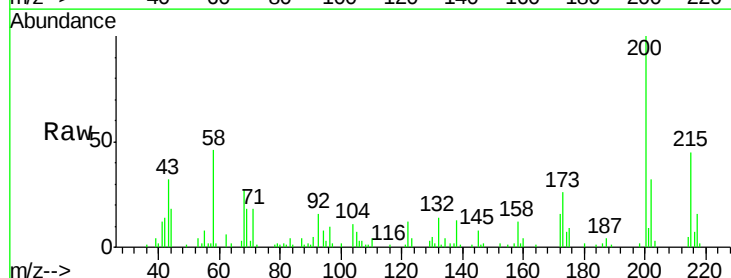
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2015-02

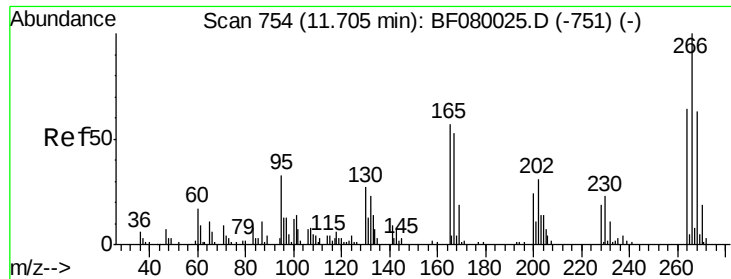
Tgt Ion:284 Resp: 39410
Ion Ratio Lower Upper
284 100
142 30.6 29.5 44.3
249 32.3 19.5 29.3#



#68
Atrazine
Concen: 21.80 ng
RT: 11.57 min Scan# 742
Delta R.T. -0.00 min
Lab File: BF080095.D
Acq: 22 Jun 2015 15:41

Tgt Ion:200 Resp: 37270
Ion Ratio Lower Upper
200 100
173 25.7 13.2 53.2
215 45.4 41.8 81.8

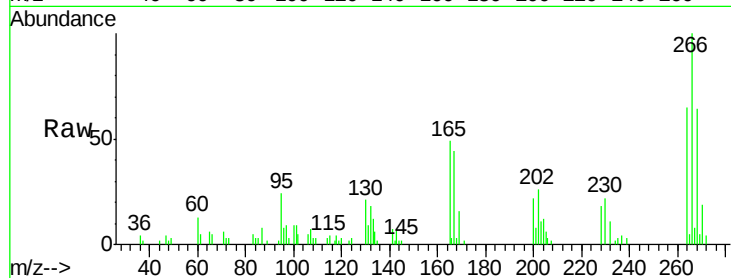




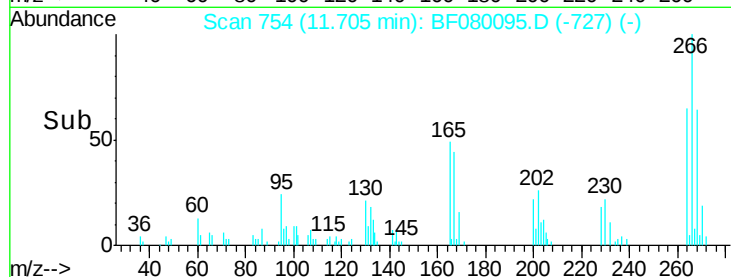
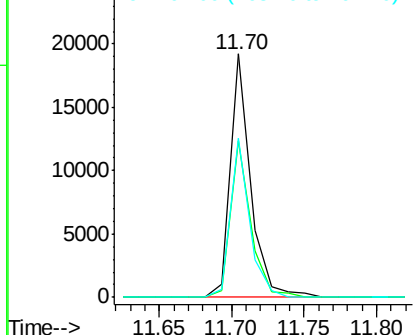
#69
 Pentachlorophenol
 Concen: 16.71 ng
 RT: 11.70 min Scan# 754
 Delta R.T. 0.01 min
 Lab File: BF080095.D
 Acq: 22 Jun 2015 15:41

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2015-02

Tgt Ion:266 Resp: 18590
 Ion Ratio Lower Upper
 266 100
 268 64.4 49.8 74.6
 264 65.2 50.2 75.2

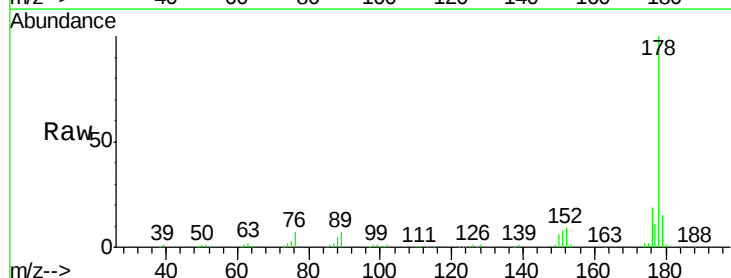


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

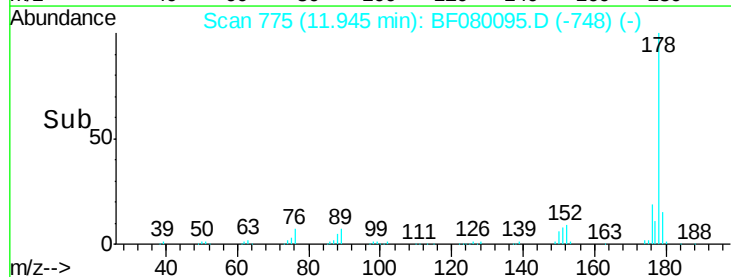
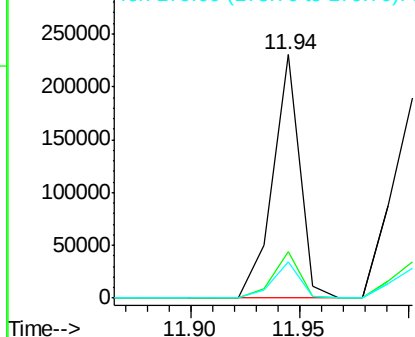


#70
 Phenanthrene
 Concen: 19.96 ng
 RT: 11.94 min Scan# 775
 Delta R.T. 0.01 min
 Lab File: BF080095.D
 Acq: 22 Jun 2015 15:41

Tgt Ion:178 Resp: 200726
 Ion Ratio Lower Upper
 178 100
 176 19.2 13.8 20.8
 179 15.1 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

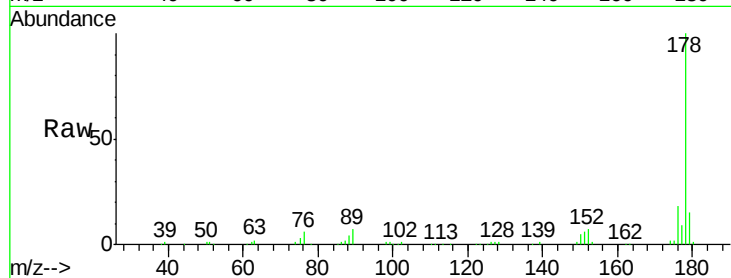




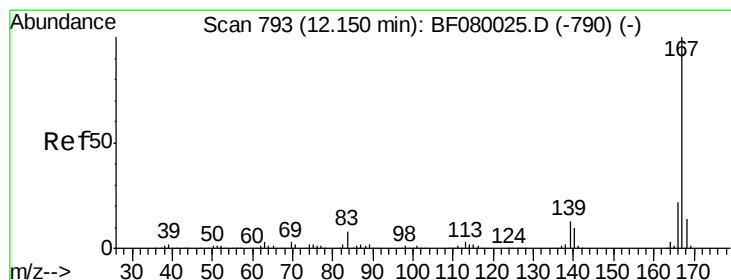
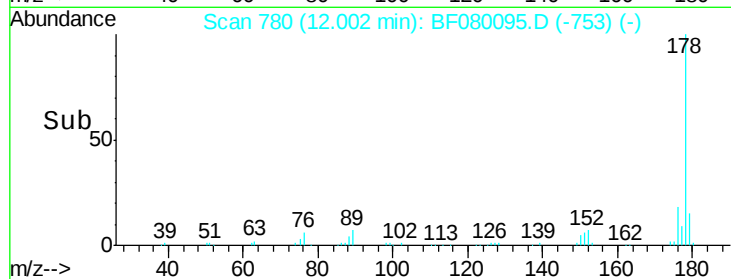
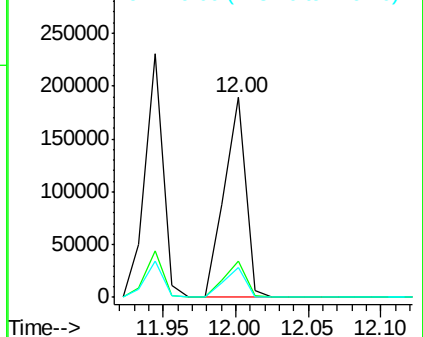
#71
 Anthracene
 Concen: 20.20 ng
 RT: 12.00 min Scan# 780
 Delta R.T. 0.01 min
 Lab File: BF080095.D
 Acq: 22 Jun 2015 15:41

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2015-02

Tgt Ion:178 Resp: 195668
 Ion Ratio Lower Upper
 178 100
 176 18.3 14.1 21.1
 179 14.6 12.2 18.2

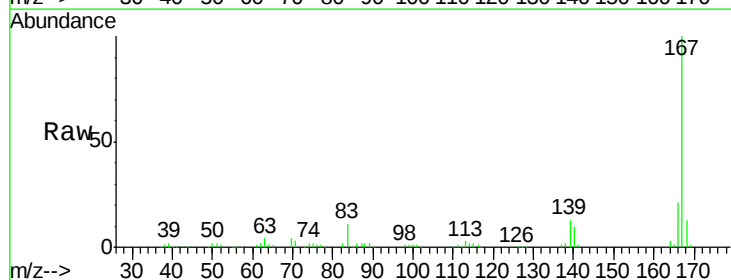


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

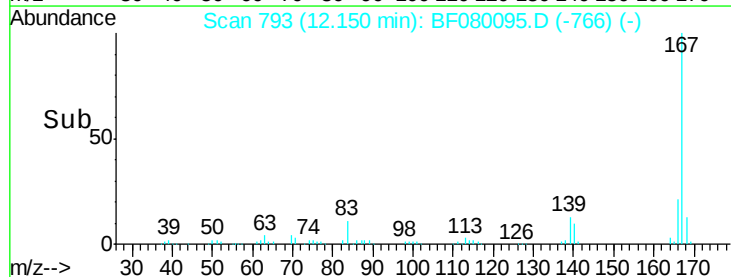
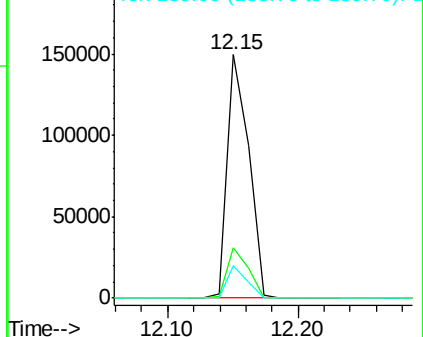


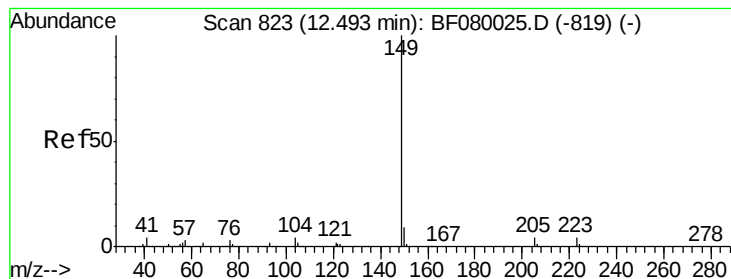
#72
 Carbazole
 Concen: 18.44 ng
 RT: 12.15 min Scan# 793
 Delta R.T. 0.01 min
 Lab File: BF080095.D
 Acq: 22 Jun 2015 15:41

Tgt Ion:167 Resp: 170527
 Ion Ratio Lower Upper
 167 100
 166 20.9 15.7 23.5
 139 13.3 9.5 14.3



Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 19.17 ng

RT: 12.50 min Scan# 824

Delta R.T. 0.02 min

Lab File: BF080095.D

Acq: 22 Jun 2015 15:41

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2015-02

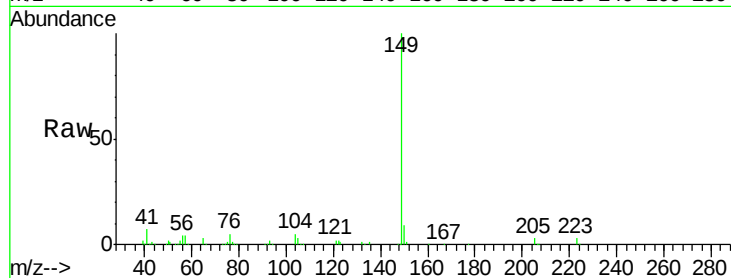
Tgt Ion:149 Resp: 204755

Ion Ratio Lower Upper

149 100

150 8.9 7.4 11.2

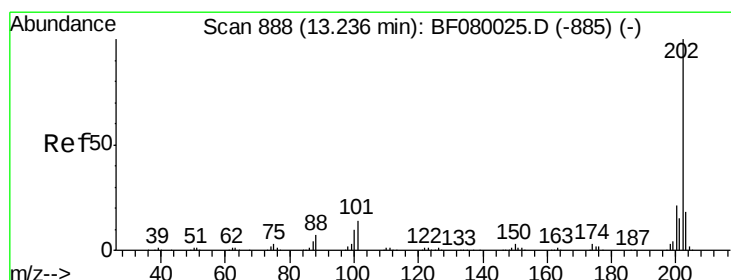
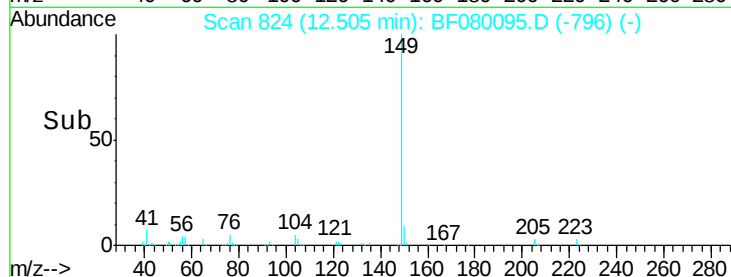
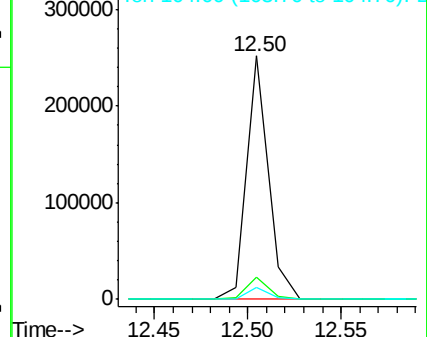
104 4.7 2.4 3.6#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 18.99 ng

RT: 13.28 min Scan# 892

Delta R.T. 0.03 min

Lab File: BF080095.D

Acq: 22 Jun 2015 15:41

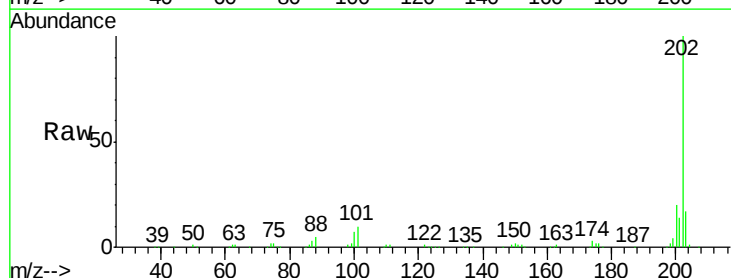
Tgt Ion:202 Resp: 203434

Ion Ratio Lower Upper

202 100

101 9.9 0.0 38.3

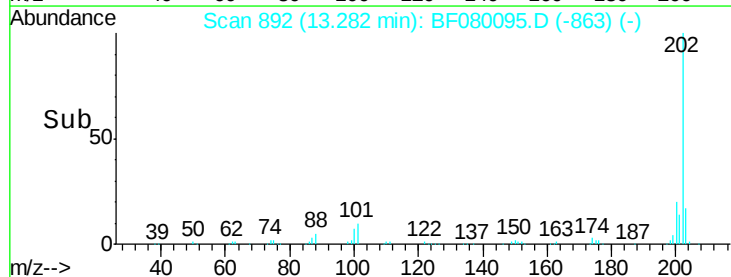
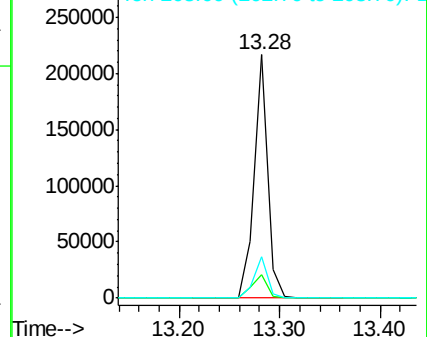
203 17.0 0.0 37.3

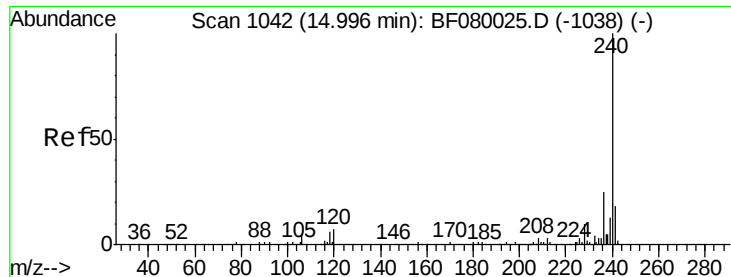


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 15.11 min Scan# 1052

Delta R.T. 0.11 min

Lab File: BF080095.D

Acq: 22 Jun 2015 15:41

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2015-02

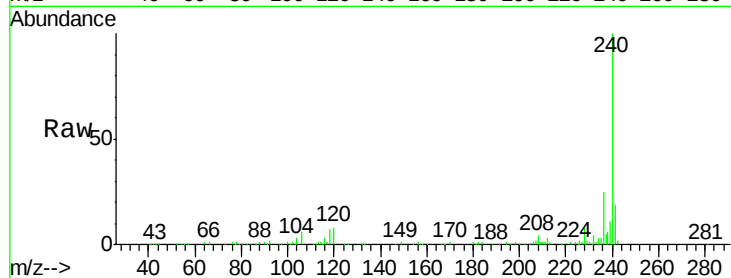
Tgt Ion:240 Resp: 186230

Ion Ratio Lower Upper

240 100

120 8.4 16.2 24.2#

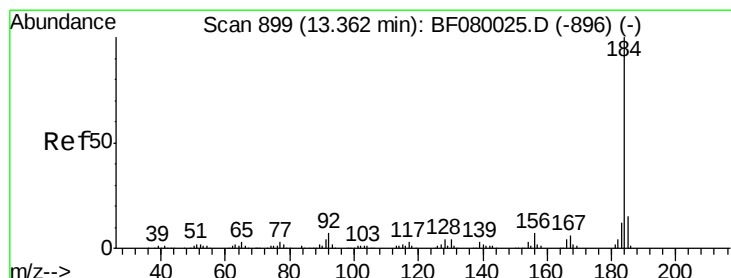
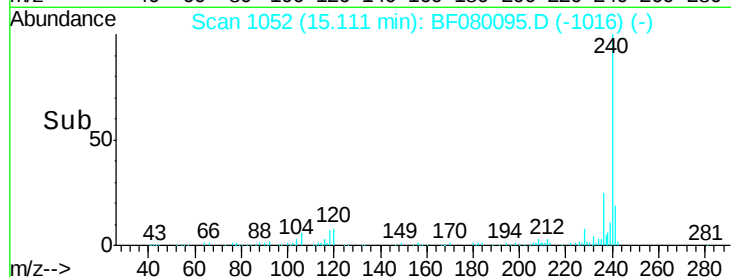
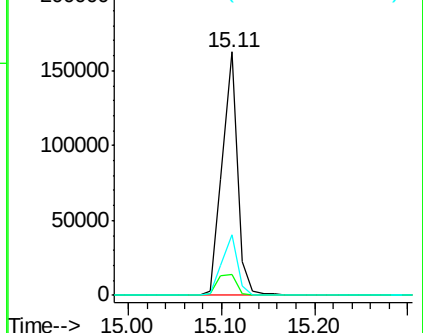
236 25.0 18.4 27.6



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 13.21 ng

RT: 13.41 min Scan# 903

Delta R.T. 0.05 min

Lab File: BF080095.D

Acq: 22 Jun 2015 15:41

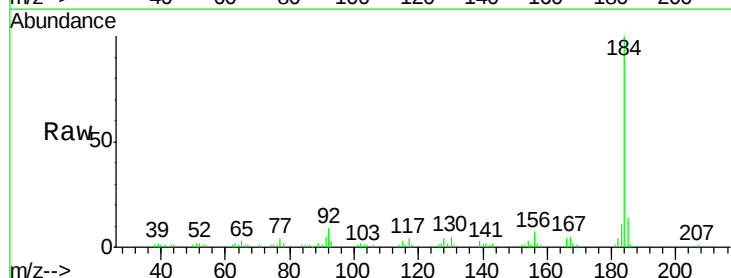
Tgt Ion:184 Resp: 68785

Ion Ratio Lower Upper

184 100

185 14.0 11.8 17.6

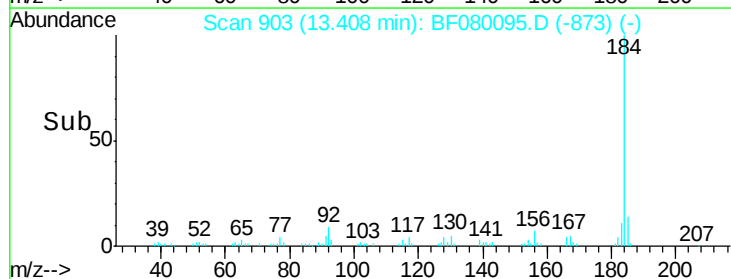
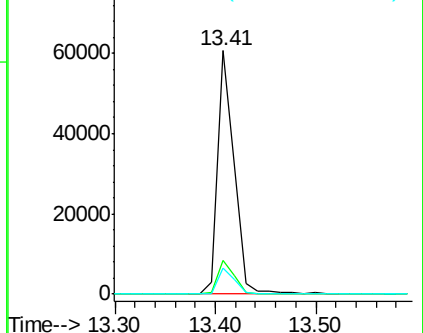
183 10.6 7.6 11.4

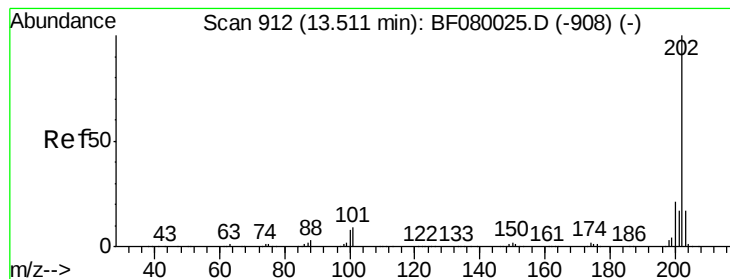


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pyrene

Concen: 18.94 ng

RT: 13.56 min Scan# 916

Delta R.T. 0.05 min

Lab File: BF080095.D

Acq: 22 Jun 2015 15:41

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2015-02

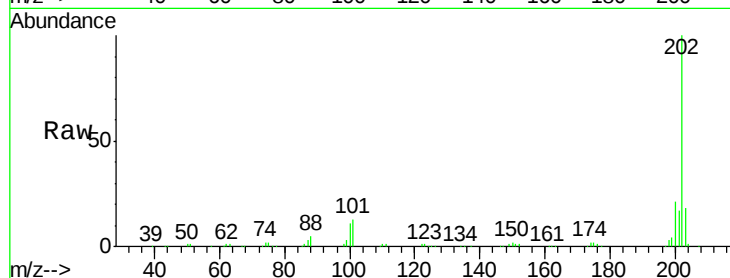
Tgt Ion:202 Resp: 217124

Ion Ratio Lower Upper

202 100

200 21.3 15.0 22.4

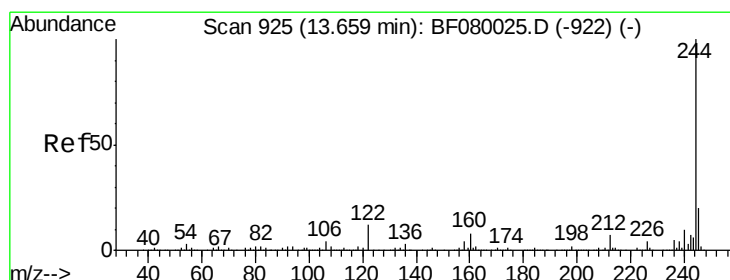
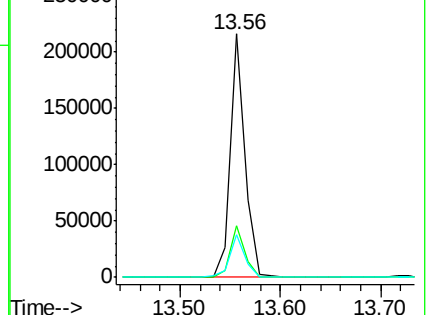
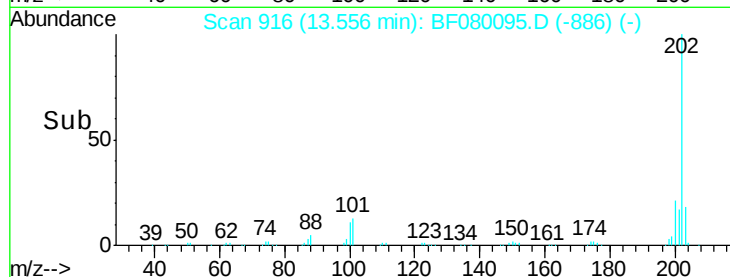
203 17.5 14.1 21.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 72.94 ng

RT: 13.73 min Scan# 931

Delta R.T. 0.06 min

Lab File: BF080095.D

Acq: 22 Jun 2015 15:41

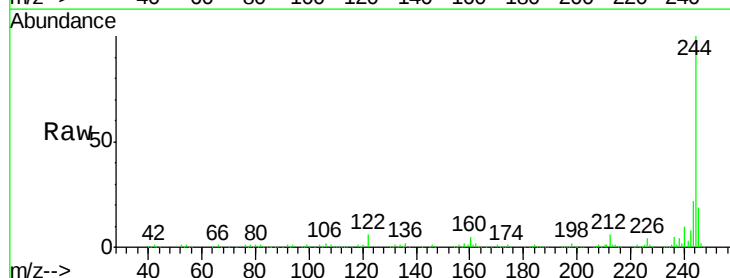
Tgt Ion:244 Resp: 581597

Ion Ratio Lower Upper

244 100

212 5.9 4.3 6.5

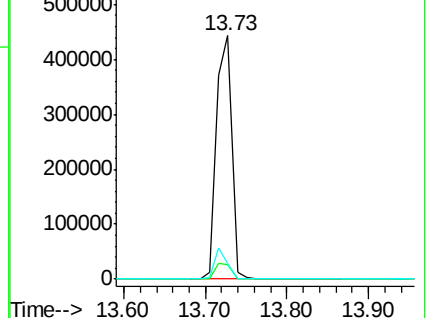
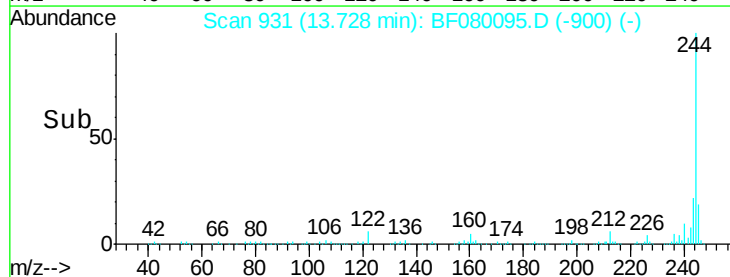
122 6.4 17.4 26.2#

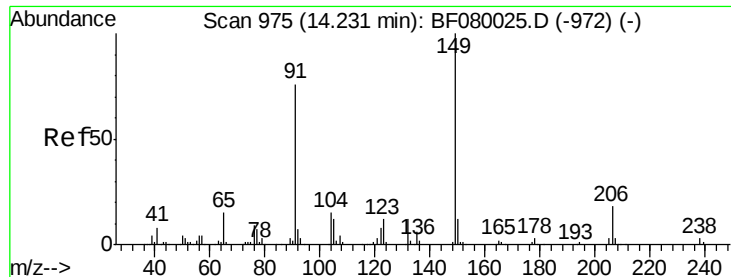


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

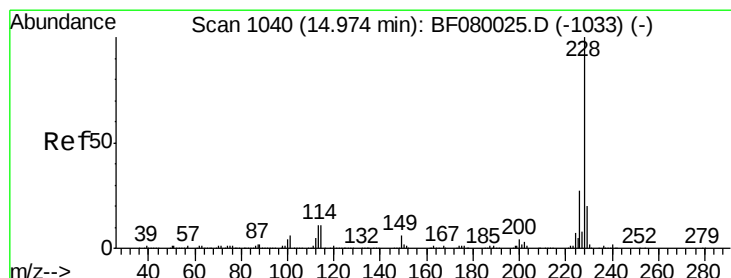
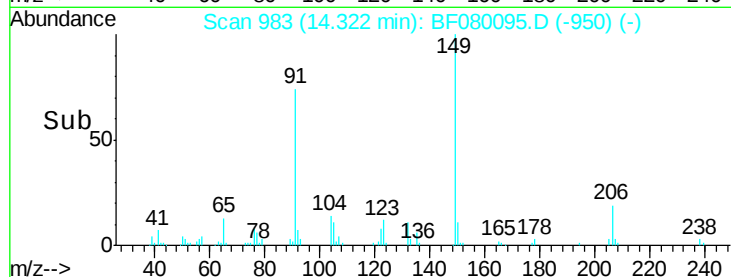
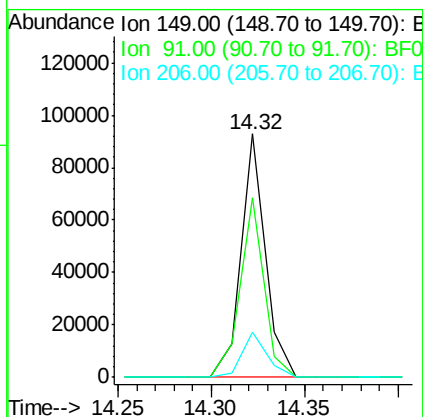
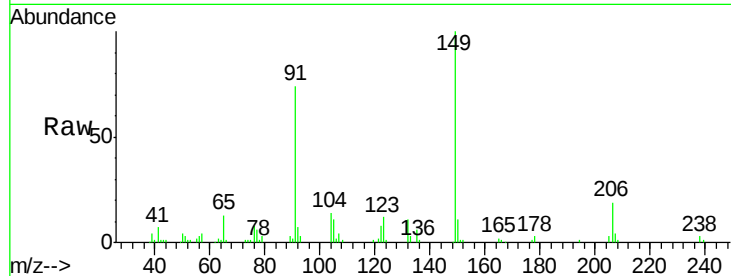




#79
Butylbenzylphthalate
Concen: 18.36 ng
RT: 14.32 min Scan# 983
Delta R.T. 0.08 min
Lab File: BF080095.D
Acq: 22 Jun 2015 15:41

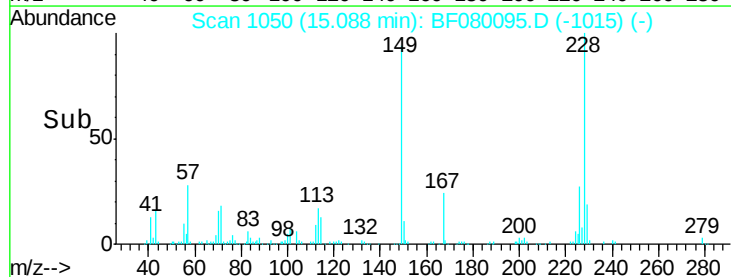
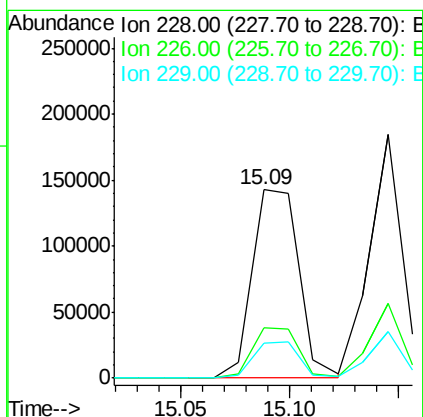
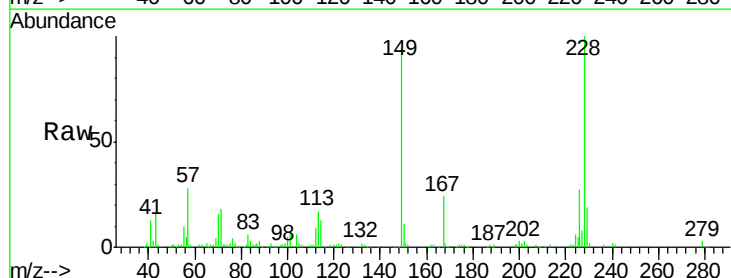
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2015-02

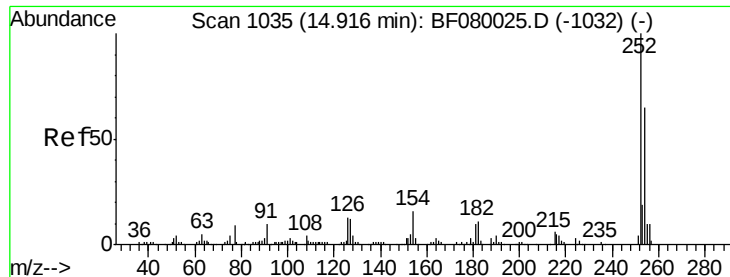
Tgt Ion:149 Resp: 84540
Ion Ratio Lower Upper
149 100
91 73.9 48.6 72.8#
206 18.6 14.9 22.3



#80
Benzo(a)anthracene
Concen: 18.84 ng
RT: 15.09 min Scan# 1050
Delta R.T. 0.10 min
Lab File: BF080095.D
Acq: 22 Jun 2015 15:41

Tgt Ion:228 Resp: 213798
Ion Ratio Lower Upper
228 100
226 26.5 20.0 30.0
229 18.8 15.4 23.2





#81

3,3'-Dichlorobenzidine

Concen: 13.16 ng

RT: 15.04 min Scan# 1046

Delta R.T. 0.11 min

Lab File: BF080095.D

Acq: 22 Jun 2015 15:41

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2015-02

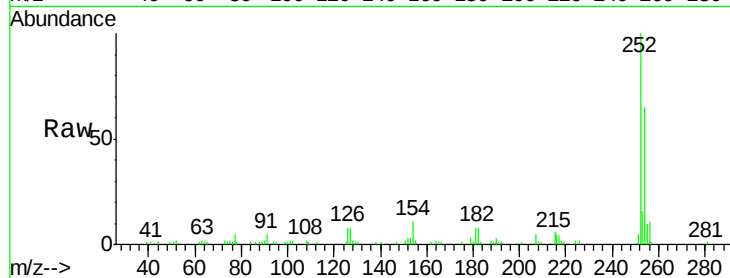
Tgt Ion:252 Resp: 51502

Ion Ratio Lower Upper

252 100

254 64.5 51.4 77.2

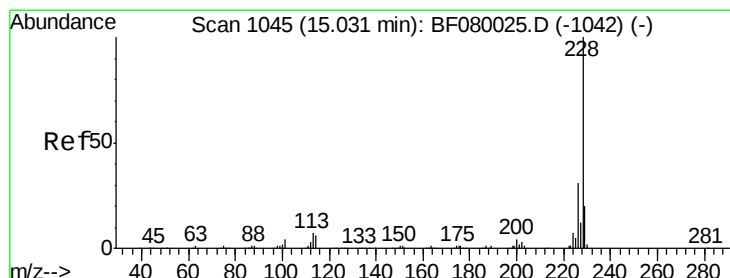
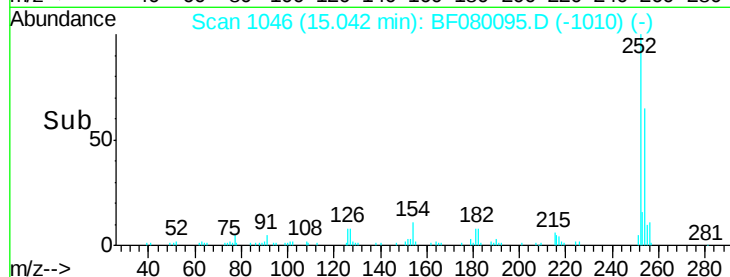
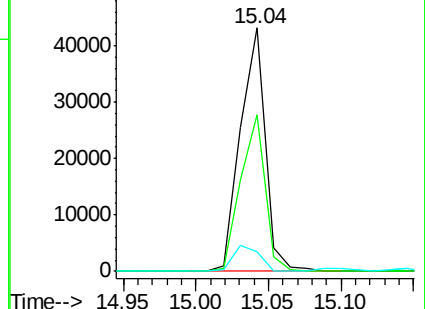
126 8.2 16.4 24.6#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E



#82

Chrysene

Concen: 19.15 ng

RT: 15.15 min Scan# 1055

Delta R.T. 0.11 min

Lab File: BF080095.D

Acq: 22 Jun 2015 15:41

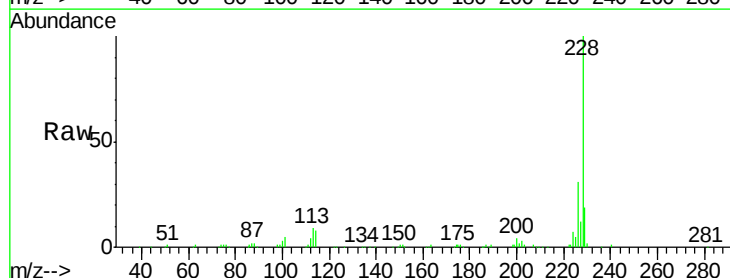
Tgt Ion:228 Resp: 200393

Ion Ratio Lower Upper

228 100

226 30.9 21.0 31.4

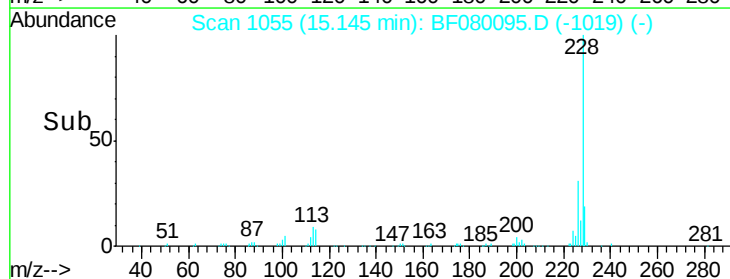
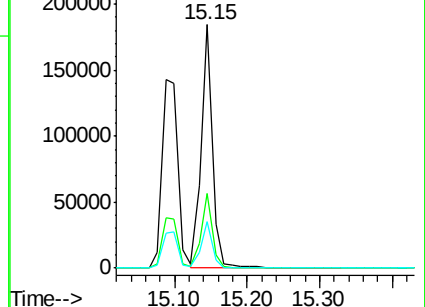
229 19.0 15.6 23.4



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

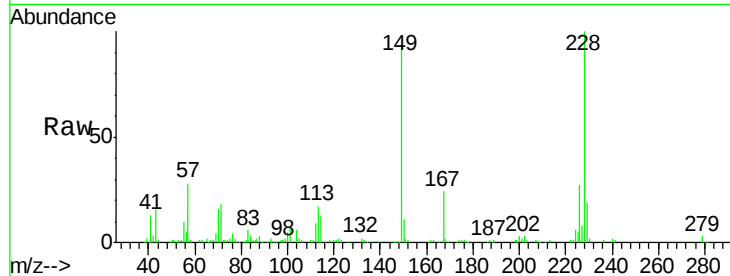




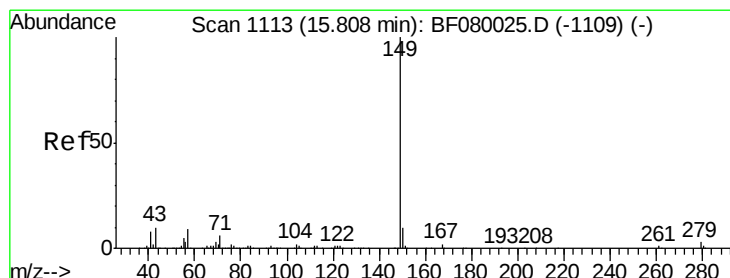
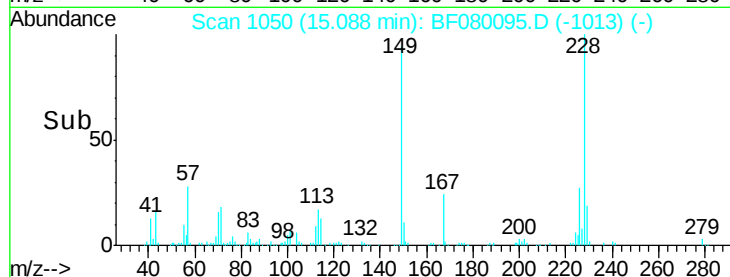
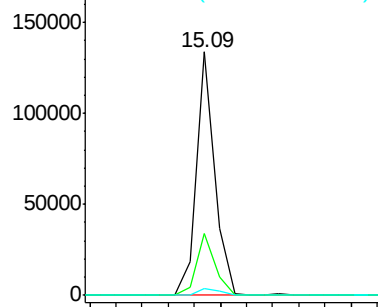
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 18.07 ng
 RT: 15.09 min Scan# 1050
 Delta R.T. 0.13 min
 Lab File: BF080095.D
 Acq: 22 Jun 2015 15:41

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2015-02

Tgt Ion:149 Resp: 131512
 Ion Ratio Lower Upper
 149 100
 167 25.5 24.2 36.2
 279 3.0 3.8 5.6#

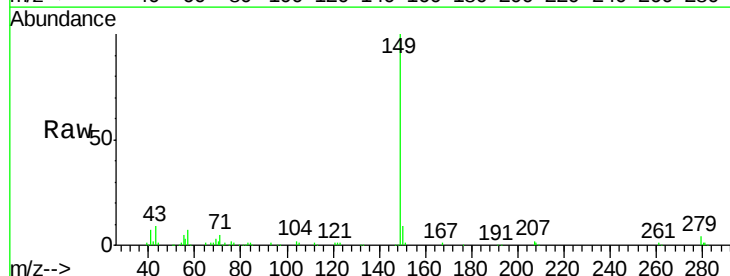


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

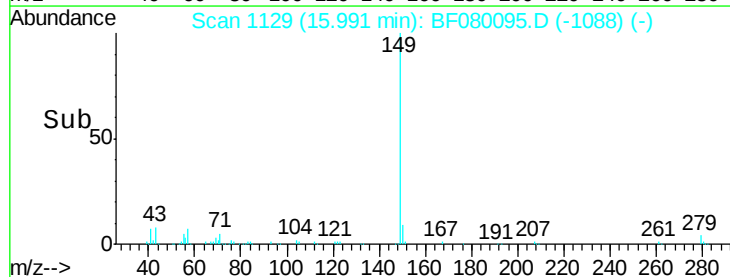
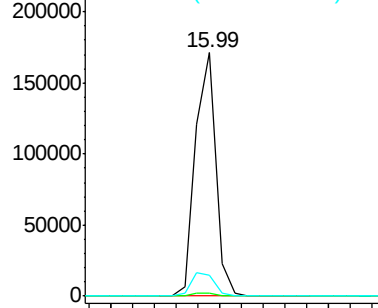


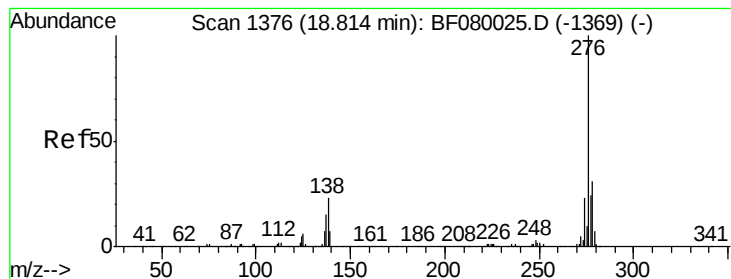
#84
 Di-n-octyl phthalate
 Concen: 17.86 ng
 RT: 15.99 min Scan# 1129
 Delta R.T. 0.17 min
 Lab File: BF080095.D
 Acq: 22 Jun 2015 15:41

Tgt Ion:149 Resp: 222748
 Ion Ratio Lower Upper
 149 100
 167 1.4 1.0 1.6
 43 11.5 10.2 15.2



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 43.00 (42.70 to 43.70): BF0





#85

Indeno(1,2,3-cd)pyrene

Concen: 16.70 ng

RT: 19.00 min Scan# 1392

Delta R.T. 0.21 min

Lab File: BF080095.D

Acq: 22 Jun 2015 15:41

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2015-02

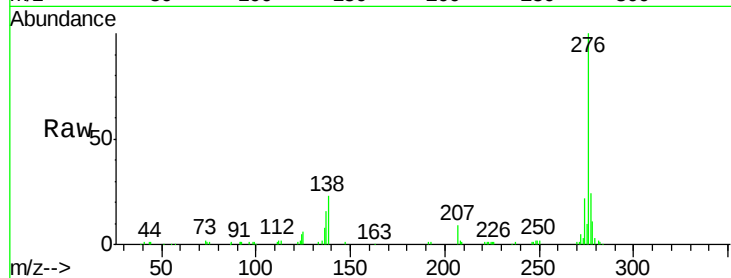
Tgt Ion:276 Resp: 220373

Ion Ratio Lower Upper

276 100

138 26.4 25.7 38.5

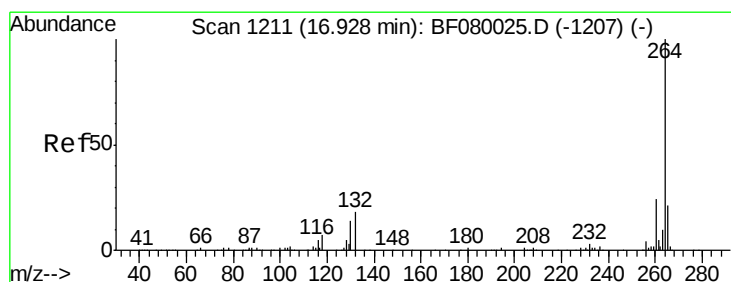
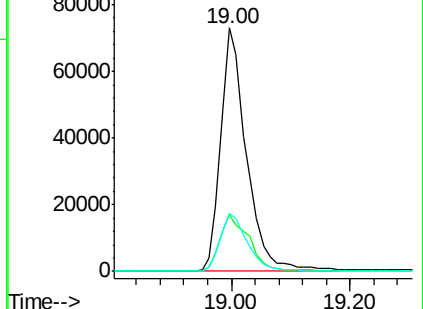
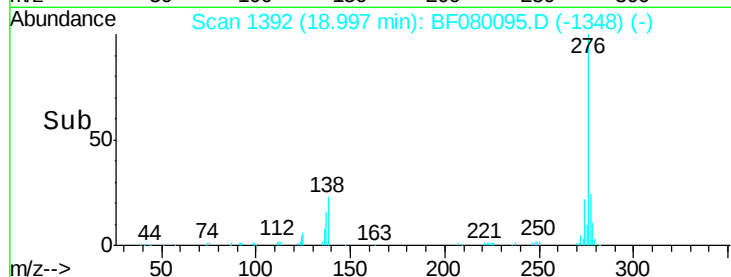
277 25.0 15.6 23.4#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 17.12 min Scan# 1228

Delta R.T. 0.19 min

Lab File: BF080095.D

Acq: 22 Jun 2015 15:41

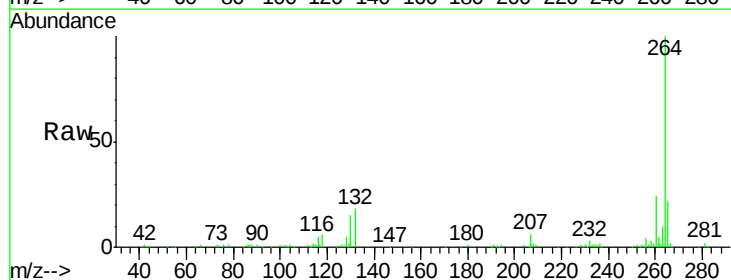
Tgt Ion:264 Resp: 181992

Ion Ratio Lower Upper

264 100

260 24.0 16.7 25.1

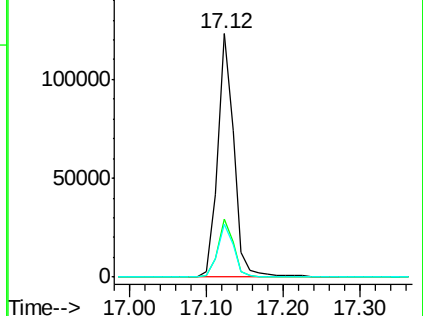
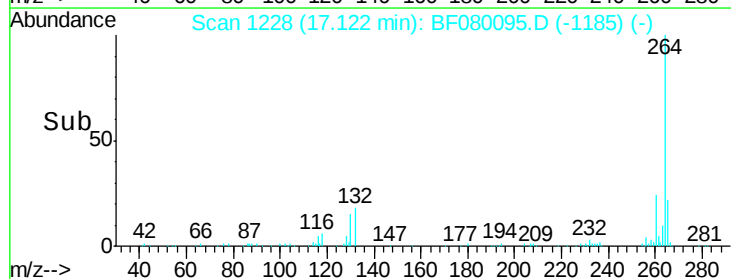
265 21.7 17.2 25.8



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

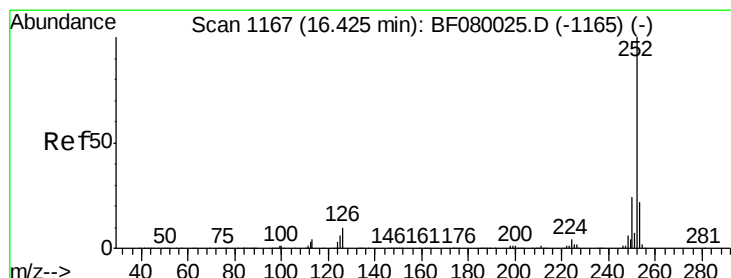
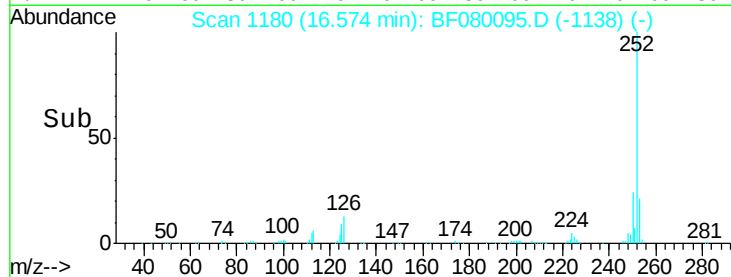
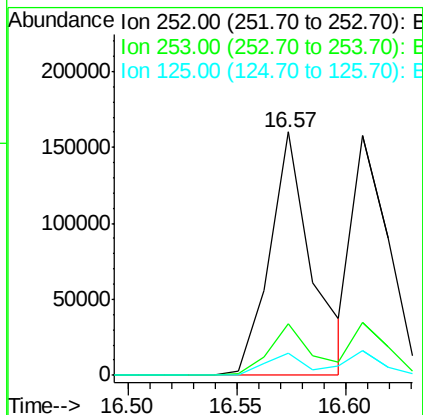
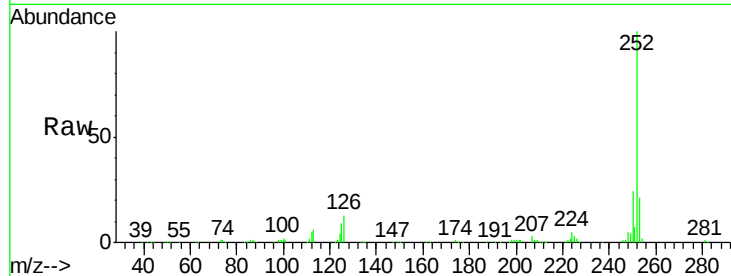




#87
Benzo(b)fluoranthene
Concen: 19.76 ng
RT: 16.57 min Scan# 1180
Delta R.T. 0.18 min
Lab File: BF080095.D
Acq: 22 Jun 2015 15:41

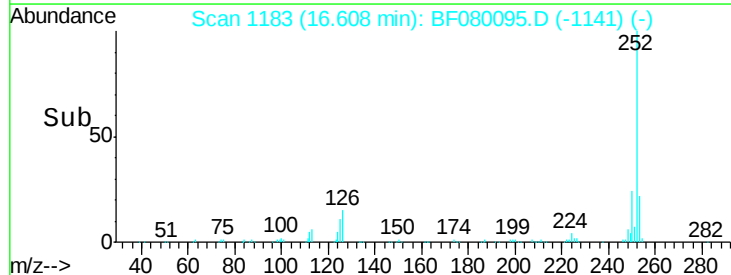
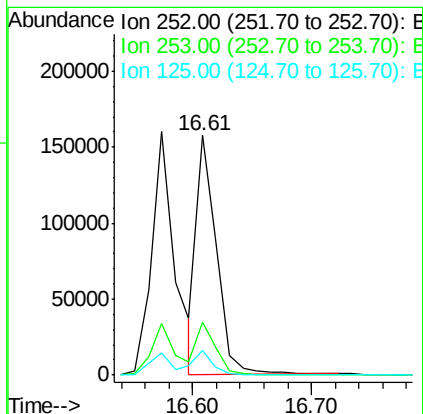
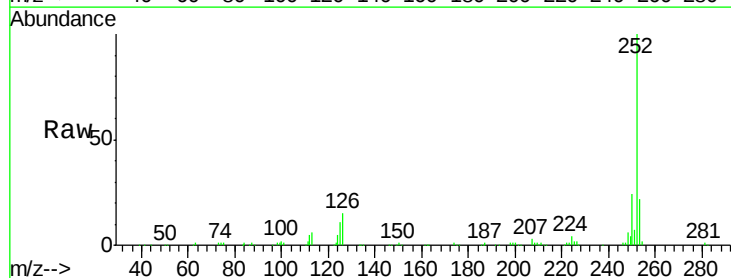
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2015-02

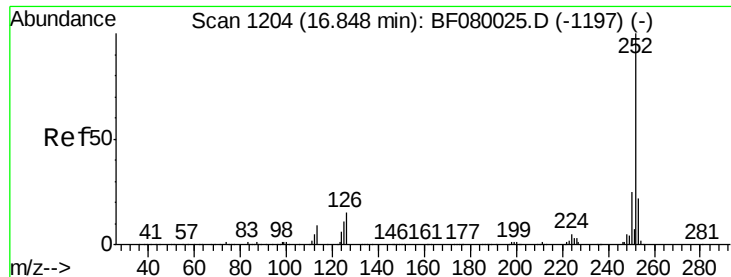
Tgt Ion:252 Resp: 217762
Ion Ratio Lower Upper
252 100
253 21.3 17.5 26.3
125 8.9 17.1 25.7#



#88
Benzo(k)fluoranthene
Concen: 16.56 ng
RT: 16.61 min Scan# 1183
Delta R.T. 0.18 min
Lab File: BF080095.D
Acq: 22 Jun 2015 15:41

Tgt Ion:252 Resp: 185826
Ion Ratio Lower Upper
252 100
253 22.0 17.0 25.4
125 10.6 16.0 24.0#





#89

Benzo(a)pyrene

Concen: 18.74 ng

RT: 17.04 min Scan# 1221

Delta R.T. 0.19 min

Lab File: BF080095.D

Acq: 22 Jun 2015 15:41

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2015-02

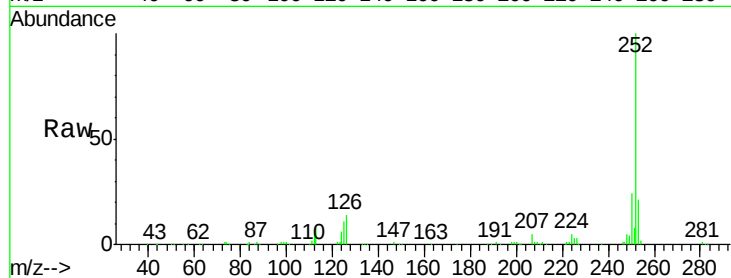
Tgt Ion:252 Resp: 196107

Ion Ratio Lower Upper

252 100

253 21.4 17.2 25.8

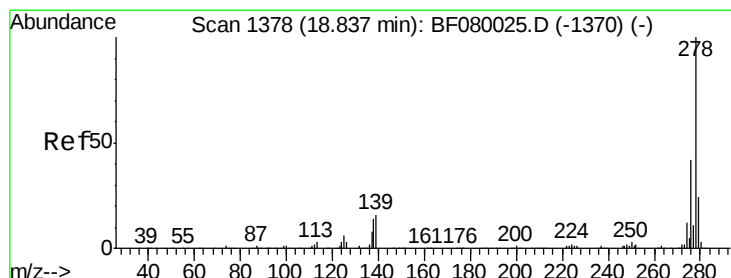
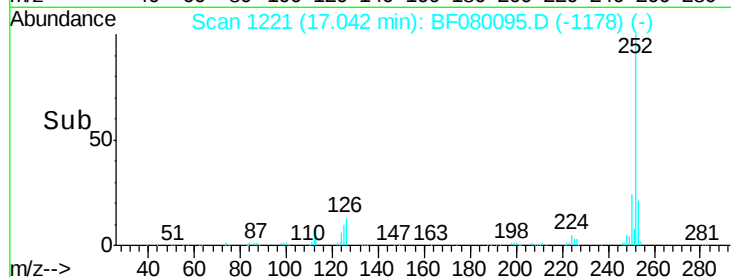
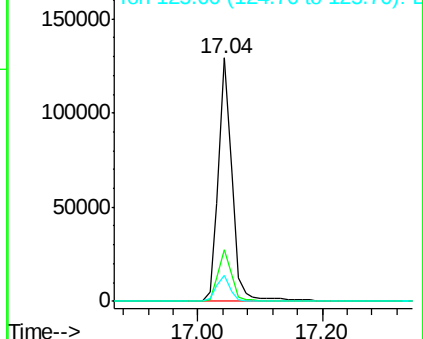
125 10.7 18.0 27.0#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Dibenzo(a,h)anthracene

Concen: 17.79 ng

RT: 19.03 min Scan# 1395

Delta R.T. 0.22 min

Lab File: BF080095.D

Acq: 22 Jun 2015 15:41

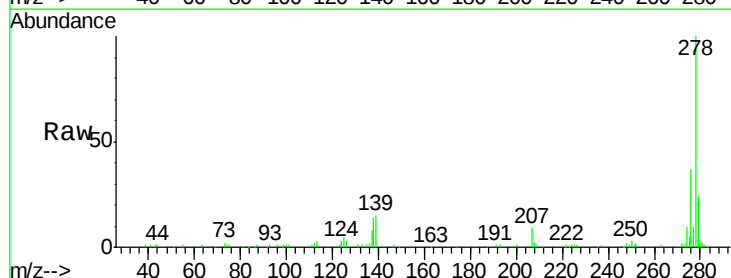
Tgt Ion:278 Resp: 190505

Ion Ratio Lower Upper

278 100

139 14.6 26.3 39.5#

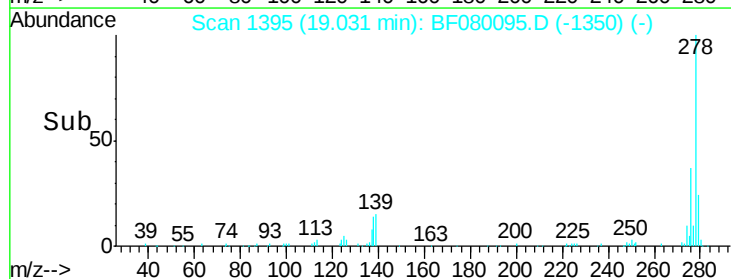
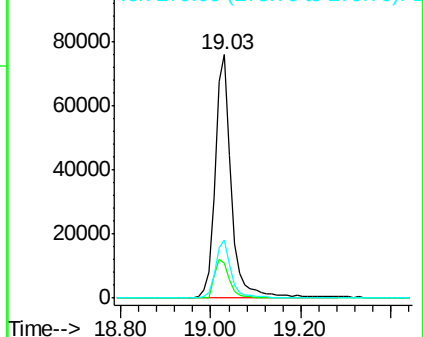
279 24.0 18.2 27.4



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(g,h,i)perylene

Concen: 17.72 ng

RT: 19.56 min Scan# 1441

Delta R.T. 0.21 min

Lab File: BF080095.D

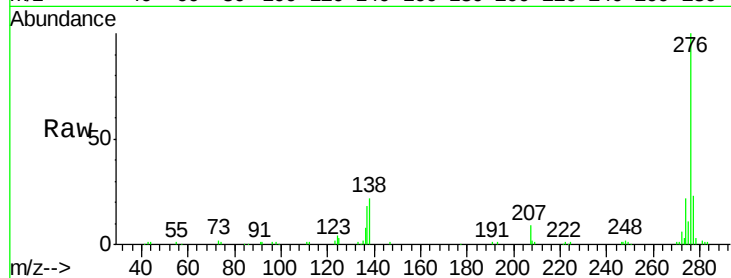
Acq: 22 Jun 2015 15:41

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2015-02



Tgt Ion:	276	Resp:	191665
Ion Ratio	Lower	Upper	
276	100		
277	23.4	17.8	26.6
138	22.0	34.6	51.8#

