

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061915\
 Data File : BF080074.D
 Acq On : 20 Jun 2015 1:40
 Operator : TP/IZ
 Sample : G2653-03
 Misc : LOD-SVOC-SOIL-5PPM
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2015-01

Quant Time: Jun 20 03:50:47 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF061715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 17 16:41:53 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.33	152	43524	20.00	ng	-0.01
21) Naphthalene-d8	8.62	136	177266	20.00	ng	-0.01
38) Acenaphthene-d10	10.39	164	96510	20.00	ng	-0.01
63) Phenanthrene-d10	11.90	188	204905	20.00	ng	-0.01
75) Chrysene-d12	14.79	240	222964	20.00	ng	-0.07
86) Perylene-d12	16.63	264	200289	20.00	ng	-0.11

System Monitoring Compounds						
5) 2-Fluorophenol	5.94	112	284757	115.81	ng	0.00
7) Phenol-d6	6.93	99	341193	104.28	ng	-0.01
23) Nitrobenzene-d5	7.89	82	209127	68.68	ng	-0.01
41) 2,4,6-Tribromophenol	11.19	330	101312	107.35	ng	-0.01
44) 2-Fluorobiphenyl	9.69	172	429718	63.50	ng	-0.01
78) Terphenyl-d14	13.56	244	628980	65.88	ng	-0.03

Target Compounds						Qvalue
2) 1,4-Dioxane	3.26	88	3472	2.97	ng	# 83
3) Pyridine	4.16	79	6340	2.04	ng	# 68
4) n-Nitrosodimethylamine	4.00	42	4572	3.10	ng	# 93
6) Aniline	6.98	93	6648	1.48	ng	92
8) 2-Chlorophenol	7.11	128	10306	3.63	ng	89
9) Benzaldehyde	6.88	77	7662	4.06	ng	# 87
10) Phenol	6.94	94	11299	3.16	ng	# 24
11) bis(2-Chloroethyl)ether	7.04	93	9005	3.18	ng	97
12) 1,3-Dichlorobenzene	7.27	146	10790	3.16	ng	# 88
13) 1,4-Dichlorobenzene	7.51	146	10340	3.18	ng	93
14) 1,2-Dichlorobenzene	7.51	146	10340	3.27	ng	97
15) Benzyl Alcohol	7.45	79	5295	1.98	ng	# 73
16) 2,2'-oxybis(1-Chloropropan	7.59	45	14957	3.56	ng	88
17) 2-Methylphenol	7.56	107	8068	3.32	ng	# 80
18) Hexachloroethane	7.85	117	3674	3.40	ng	88
19) n-Nitroso-di-n-propylamine	7.72	70	6825	3.00	ng	# 75
20) 3+4-Methylphenols	7.72	107	9988	3.19	ng	# 85
22) Acetophenone	7.73	105	14589	3.53	ng	# 84
24) Nitrobenzene	7.90	77	10715	3.41	ng	# 60
25) Isophorone	8.14	82	19308	3.15	ng	# 85
26) 2-Nitrophenol	8.23	139	3683	2.80	ng	# 66
27) 2,4-Dimethylphenol	8.25	122	8976	3.27	ng	92
28) bis(2-Chloroethoxy)methane	8.34	93	12631	3.51	ng	# 91
29) 2,4-Dichlorophenol	8.47	162	7381	3.14	ng	94
30) 1,2,4-Trichlorobenzene	8.56	180	10104	3.79	ng	93
31) Naphthalene	8.64	128	31853	3.44	ng	100
32) Benzoic acid	8.25	122	8976	5.41	ng	# 23
33) 4-Chloroaniline	8.68	127	6933	1.75	ng	# 84
34) Hexachlorobutadiene	8.77	225	5424	3.30	ng	93
35) Caprolactam	9.00	113	1556	2.04	ng	# 41
36) 4-Chloro-3-methylphenol	9.14	107	7574	2.86	ng	# 81
37) 2-Methylnaphthalene	9.34	142	21465	3.58	ng	# 88
39) 1,2,4,5-Tetrachlorobenzene	9.51	216	9911	3.53	ng	# 98
40) Hexachlorocyclopentadiene	9.50	237	2338	7.74	ng	88

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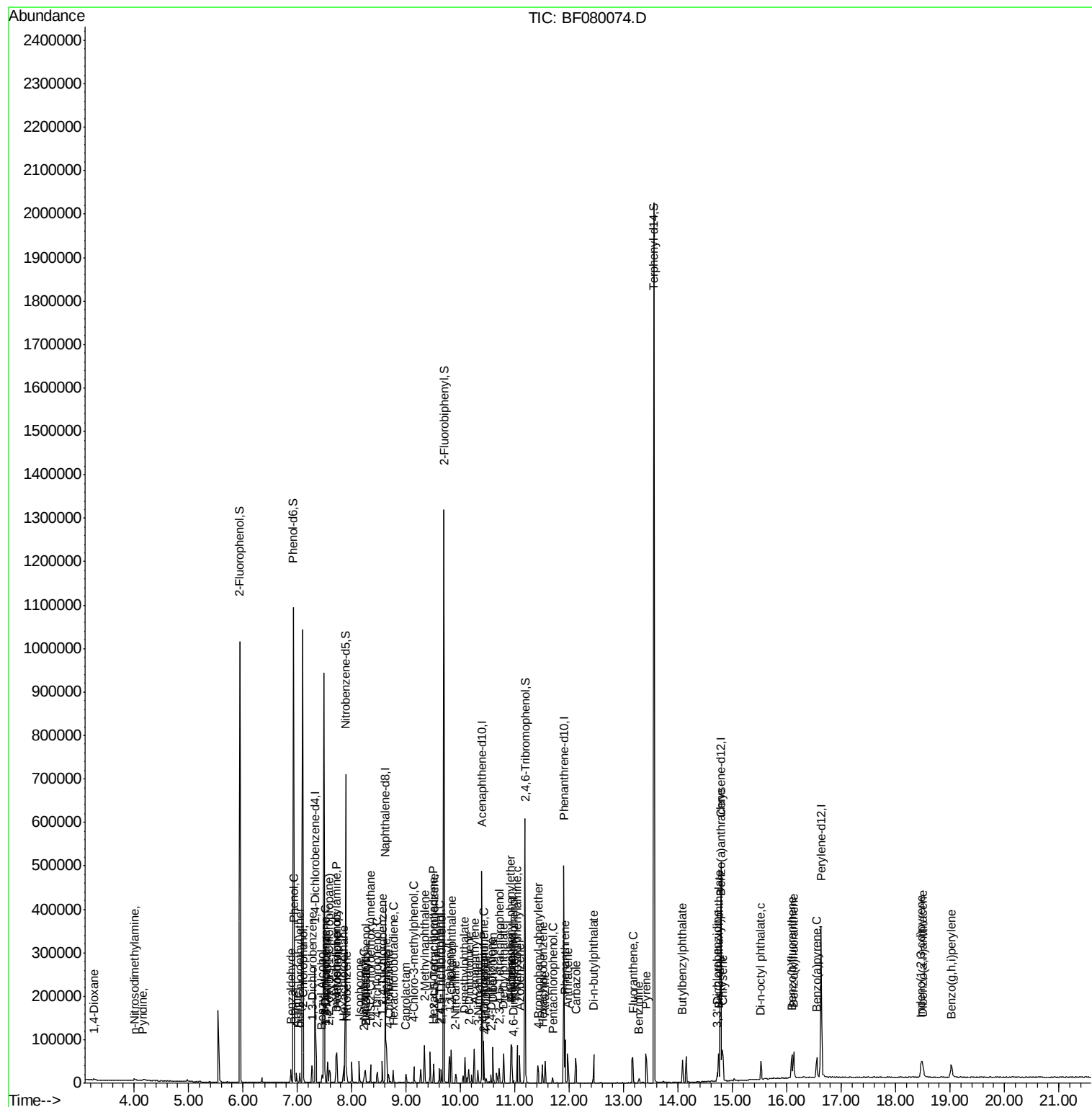
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.61	196	5338	2.79	ng	94
43) 2,4,5-Trichlorophenol	9.65	196	5623	2.55	ng #	90
45) 1,1'-Biphenyl	9.80	154	25150	3.20	ng	94
46) 2-Chloronaphthalene	9.83	162	20421	3.21	ng	95
47) 2-Nitroaniline	9.91	65	4467	2.55	ng #	63
48) Acenaphthylene	10.25	152	32432	3.05	ng	98
49) Dimethylphthalate	10.08	163	23297	3.21	ng #	97
50) 2,6-Dinitrotoluene	10.15	165	3555	2.44	ng #	67
51) Acenaphthene	10.42	154	19912	3.06	ng #	83
52) 3-Nitroaniline	10.32	138	3780	2.25	ng #	56
53) 2,4-Dinitrophenol	10.44	184	340	6.36	ng #	1
54) Dibenzofuran	10.60	168	32322	3.50	ng #	92
55) 4-Nitrophenol	10.47	139	2429	1.81	ng #	44
56) 2,4-Dinitrotoluene	10.56	165	4443	2.41	ng #	87
57) Fluorene	10.94	166	23093	3.15	ng	92
58) 2,3,4,6-Tetrachlorophenol	10.71	232	5039	2.71	ng #	94
59) Diethylphthalate	10.79	149	24835	3.40	ng	99
60) 4-Chlorophenyl-phenylether	10.93	204	11845	3.37	ng #	87
61) 4-Nitroaniline	10.94	138	4065	2.35	ng #	57
62) Azobenzene	11.09	77	22487	3.02	ng	88
64) 4,6-Dinitro-2-methylphenol	10.97	198	1040	4.75	ng	86
65) n-Nitrosodiphenylamine	11.04	169	21081	3.16	ng	95
66) 4-Bromophenyl-phenylether	11.43	248	6667	3.06	ng #	79
67) Hexachlorobenzene	11.51	284	7298	3.01	ng #	78
68) Atrazine	11.56	200	5971	2.83	ng	86
69) Pentachlorophenol	11.69	266	2042	1.49	ng	92
70) Phenanthrene	11.92	178	40689	3.28	ng	99
71) Anthracene	11.97	178	35582	2.98	ng	98
72) Carbazole	12.12	167	30634	2.69	ng #	93
73) Di-n-butylphthalate	12.45	149	33718	2.56	ng #	98
74) Fluoranthene	13.17	202	37992	2.88	ng	86
76) Benzidine	13.28	184	7142	1.15	ng #	94
77) Pyrene	13.41	202	39323	2.86	ng	96
79) Butylbenzylphthalate	14.08	149	11824	2.14	ng #	87
80) Benzo(a)anthracene	14.78	228	41652	3.07	ng	99
81) 3,3'-Dichlorobenzidine	14.72	252	7273	1.55	ng #	86
82) Chrysene	14.81	228	37779	3.02	ng	94
83) Bis(2-ethylhexyl)phthalate	14.75	149	17902	2.05	ng #	89
84) Di-n-octyl phthalate	15.52	149	24403	1.63	ng #	86
85) Indeno(1,2,3-cd)pyrene	18.47	276	37207	2.36	ng #	88
87) Benzo(b)fluoranthene	16.09	252	34214	2.82	ng #	85
88) Benzo(k)fluoranthene	16.13	252	37715	3.05	ng #	87
89) Benzo(a)pyrene	16.55	252	33105	2.87	ng #	86
90) Dibenzo(a,h)anthracene	18.49	278	33301	2.83	ng #	82
91) Benzo(g,h,i)perylene	19.02	276	32687	2.75	ng #	73

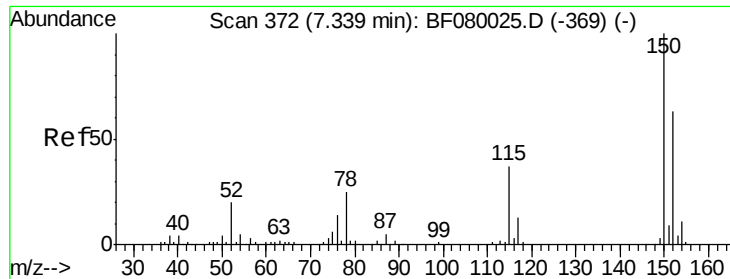
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.33 min Scan# 371

Delta R.T. -0.01 min

Lab File: BF080074.D

Acq: 20 Jun 2015 1:40

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2015-01

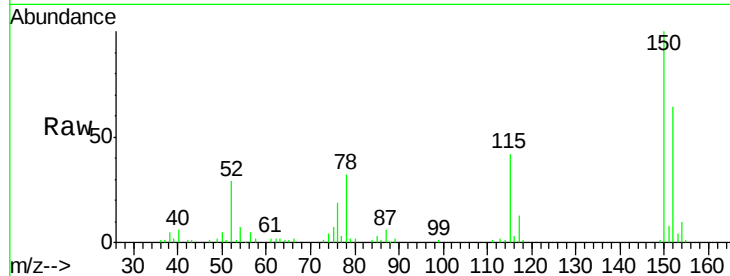
Tgt Ion:152 Resp: 43524

Ion Ratio Lower Upper

152 100

150 155.9 124.7 187.1

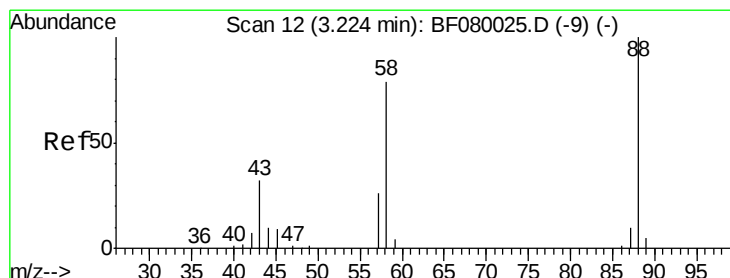
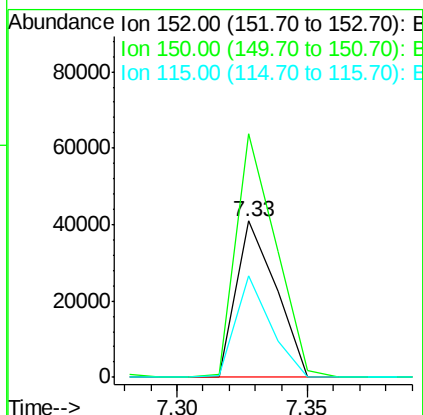
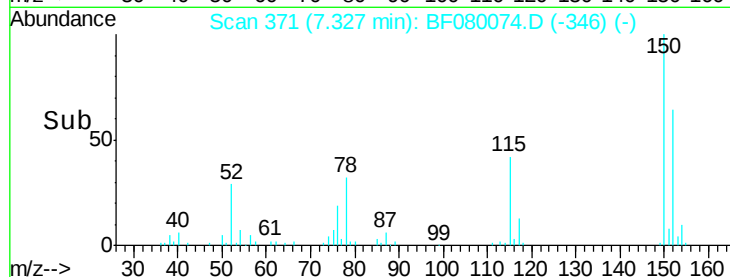
115 65.0 39.0 58.4#



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: 2.97 ng

RT: 3.26 min Scan# 15

Delta R.T. 0.03 min

Lab File: BF080074.D

Acq: 20 Jun 2015 1:40

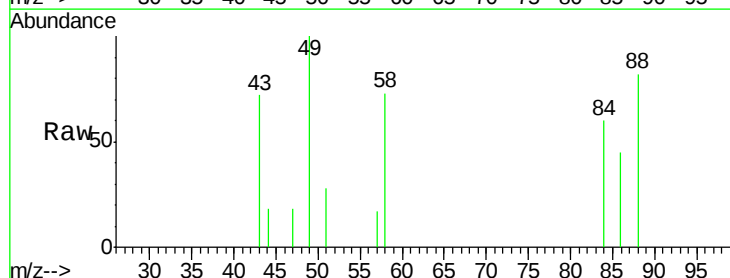
Tgt Ion: 88 Resp: 3472

Ion Ratio Lower Upper

88 100

58 94.6 77.7 116.5

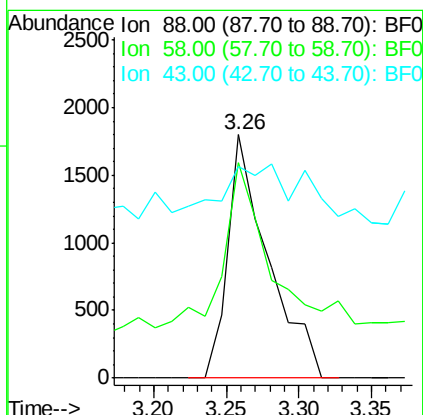
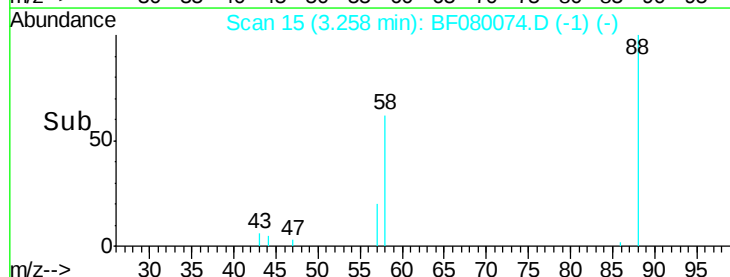
43 0.0 26.6 40.0#

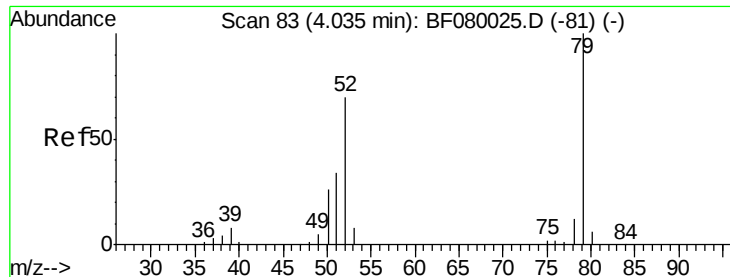


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#3

Pyridine

Concen: 2.04 ng

RT: 4.16 min Scan# 94

Delta R.T. 0.14 min

Lab File: BF080074.D

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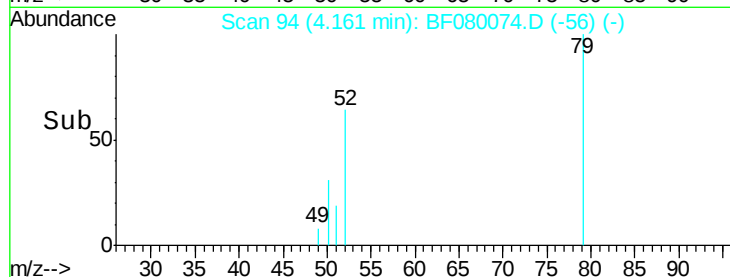
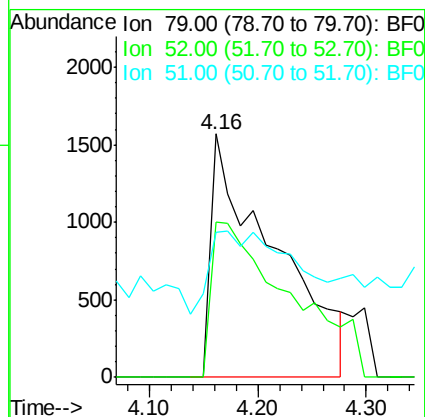
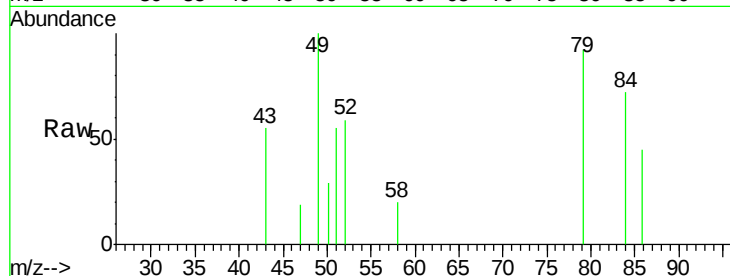
Tgt Ion: 79 Resp: 6340

Ion Ratio Lower Upper

79 100

52 64.0 76.8 115.2#

51 59.4 32.2 48.4#



#4

n-Nitrosodimethylamine

Concen: 3.10 ng

RT: 4.00 min Scan# 80

Delta R.T. 0.06 min

Lab File: BF080074.D

Acq: 20 Jun 2015 1:40

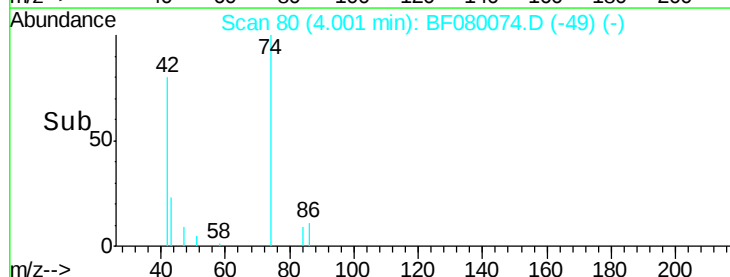
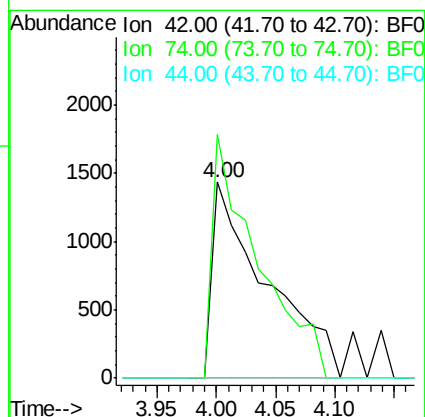
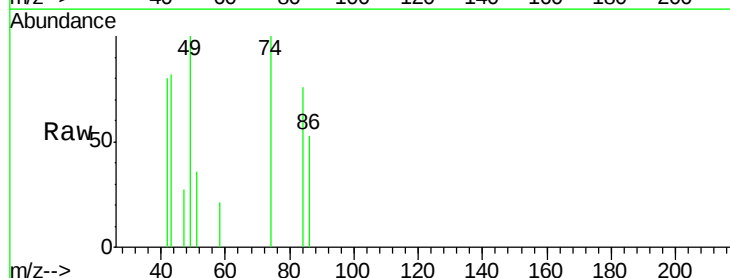
Tgt Ion: 42 Resp: 4572

Ion Ratio Lower Upper

42 100

74 124.3 105.0 157.6

44 0.0 6.6 10.0#





#5

2-Fluorophenol

Concen: 115.81 ng

RT: 5.94 min Scan# 250

Delta R.T. 0.00 min

Lab File: BF080074.D

Acq: 20 Jun 2015 1:40

Instrument :

BNA_F

ClientSampleId :

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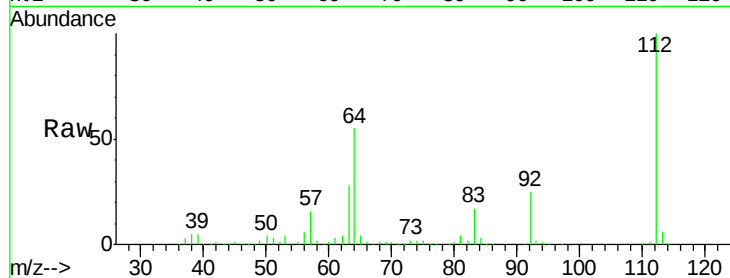
Tgt Ion: 112 Resp: 284757

Ion Ratio Lower Upper

112 100

64 55.3 39.7 59.5

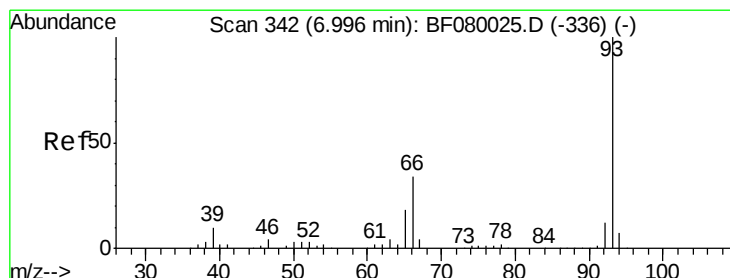
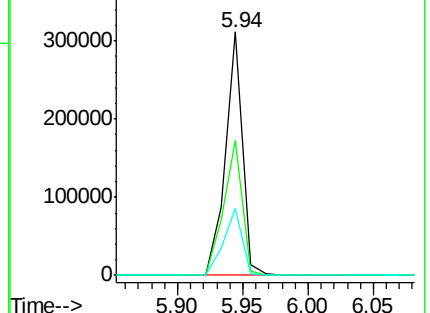
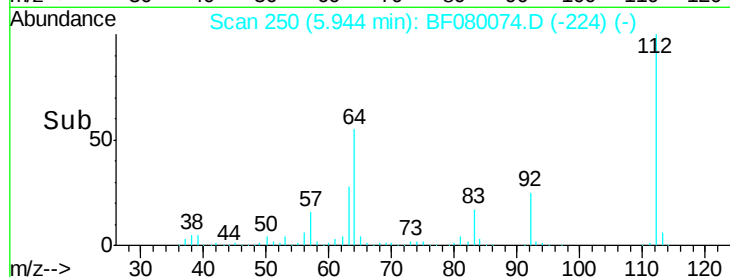
63 27.8 17.4 26.0#



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: 1.48 ng

RT: 6.98 min Scan# 341

Delta R.T. -0.01 min

Lab File: BF080074.D

Acq: 20 Jun 2015 1:40

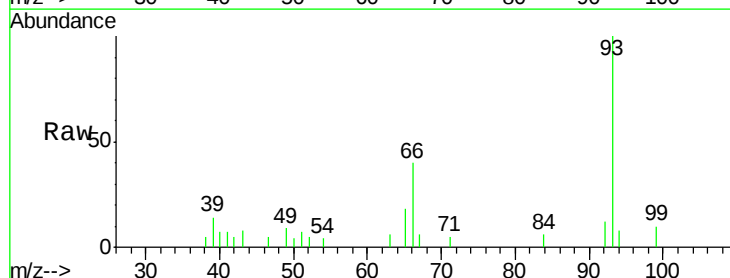
Tgt Ion: 93 Resp: 6648

Ion Ratio Lower Upper

93 100

66 40.4 27.2 40.8

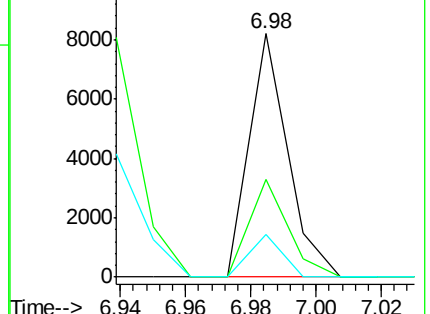
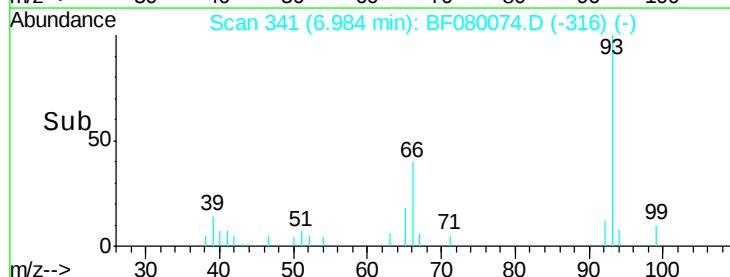
65 17.7 14.7 22.1



Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 104.28 ng

RT: 6.93 min Scan# 336

Delta R.T. -0.01 min

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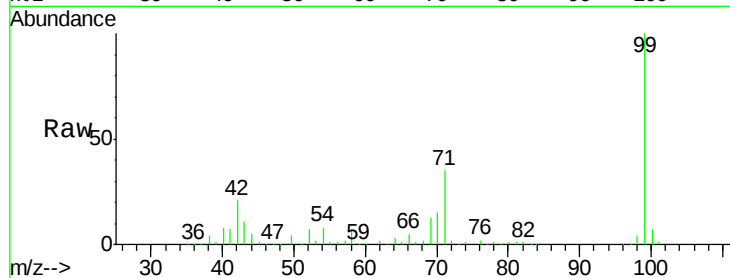
Tgt Ion: 99 Resp: 341193

Ion Ratio Lower Upper

99 100

42 20.9 13.7 20.5#

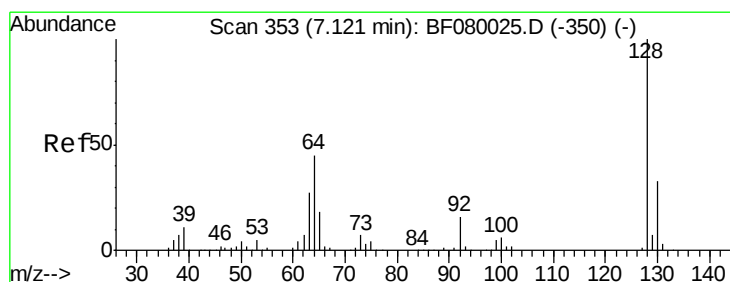
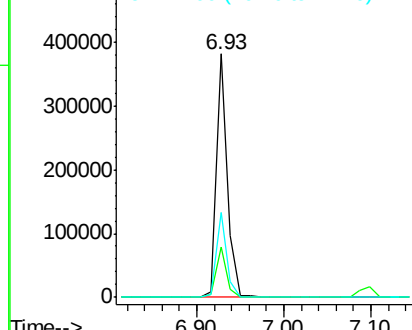
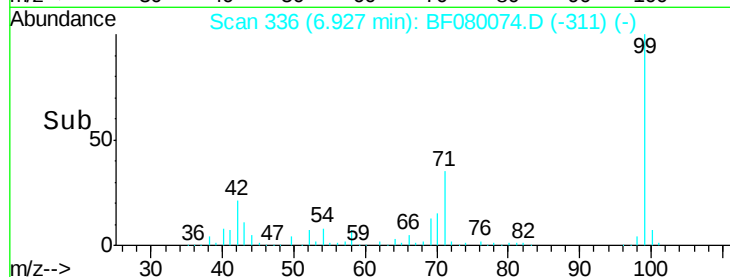
71 34.7 14.2 21.2#



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: 3.63 ng

RT: 7.11 min Scan# 352

Delta R.T. -0.01 min

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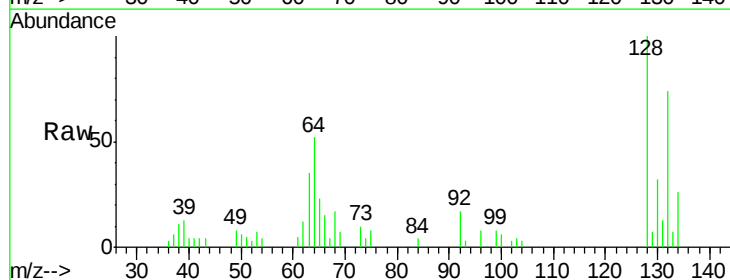
Tgt Ion: 128 Resp: 10306

Ion Ratio Lower Upper

128 100

130 31.7 12.2 52.2

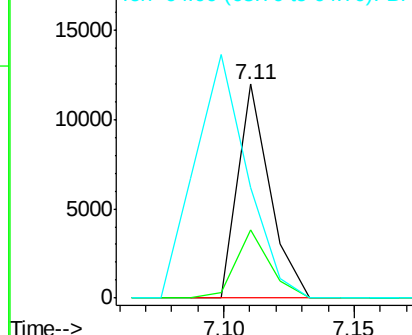
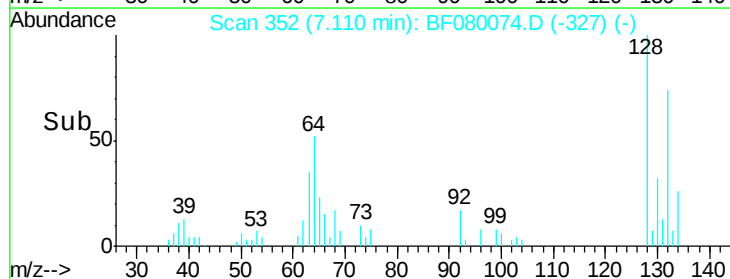
64 51.8 20.5 60.5

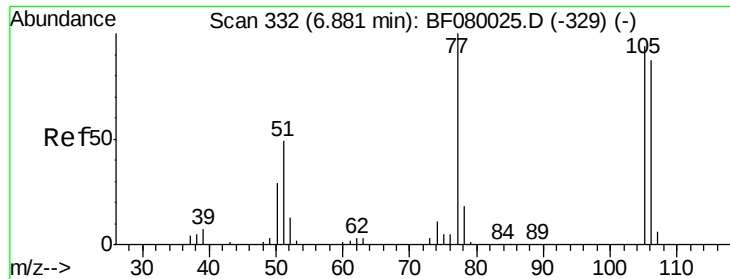


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 4.06 ng

RT: 6.88 min Scan# 332

Delta R.T. 0.00 min

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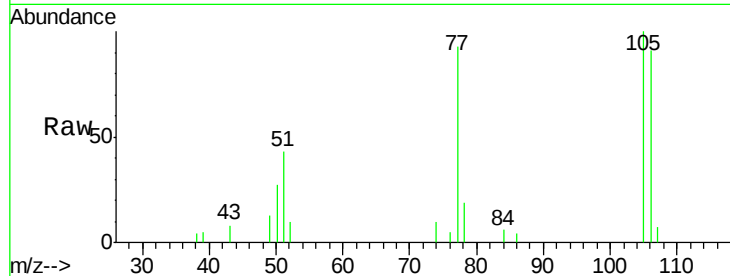
Tgt Ion: 77 Resp: 7662

Ion Ratio Lower Upper

77 100

105 107.6 91.6 131.6

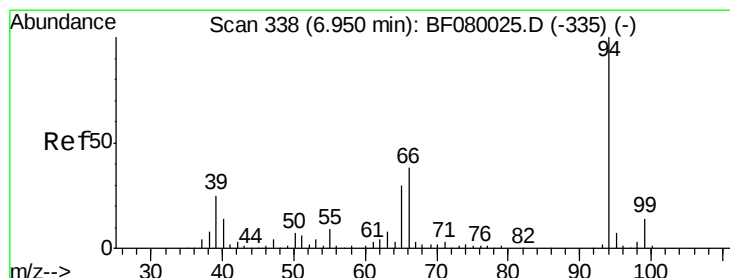
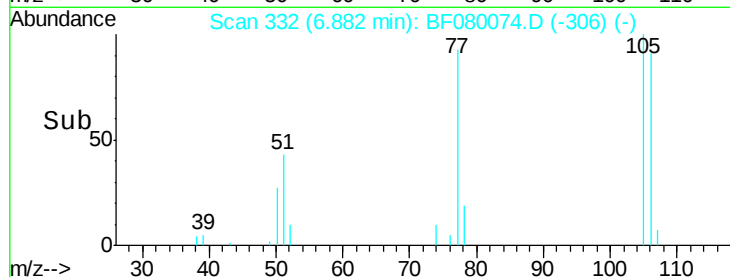
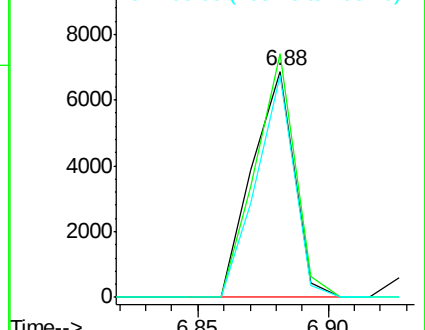
106 97.9 102.6 142.6#



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: 3.16 ng

RT: 6.94 min Scan# 337

Delta R.T. -0.02 min

Lab File: BF080074.D

Acq: 20 Jun 2015 1:40

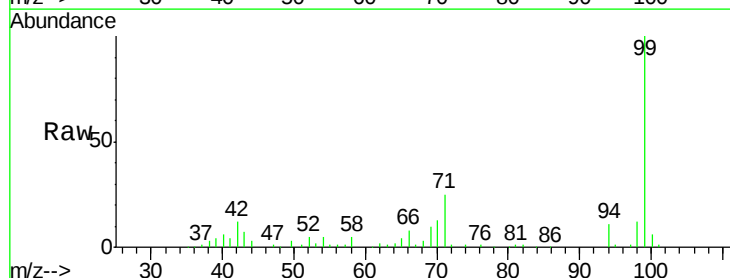
Tgt Ion: 94 Resp: 11299

Ion Ratio Lower Upper

94 100

65 38.0 0.7 40.7

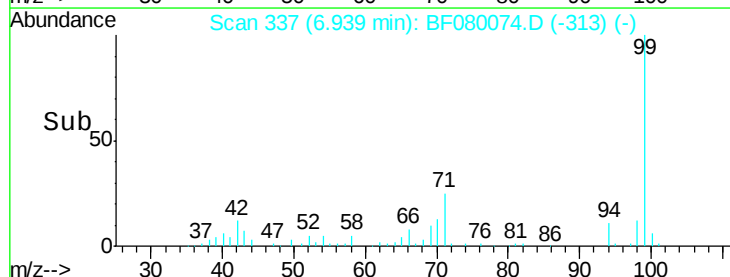
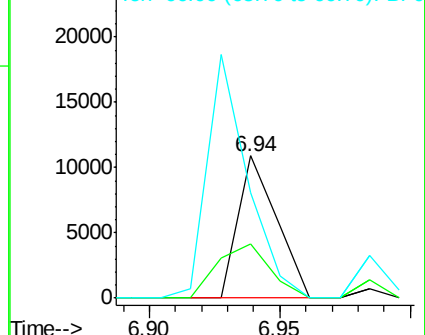
66 73.9 0.8 40.8#



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

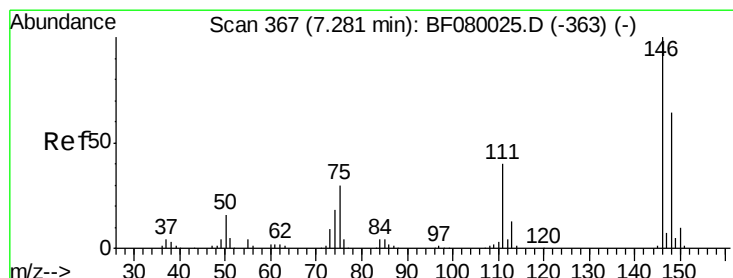
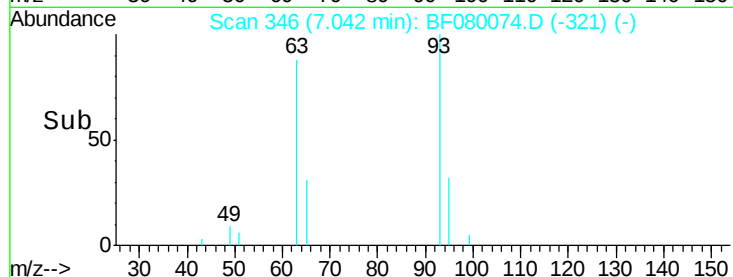
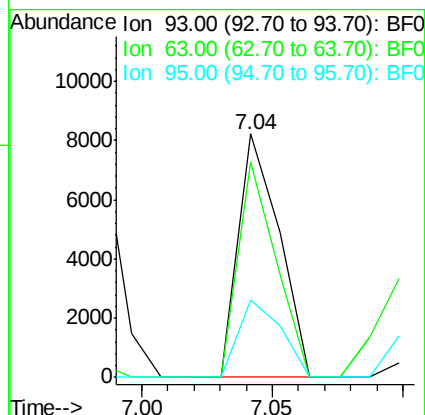
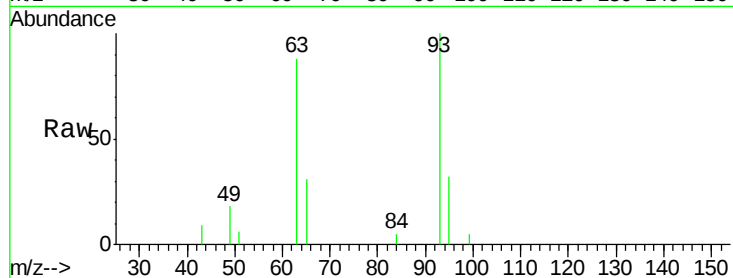




#11
bis(2-Chloroethyl)ether
Concen: 3.18 ng
RT: 7.04 min Scan# 346
Delta R.T. -0.01 min
Lab File: BF080074.D
Acq: 20 Jun 2015 1:40

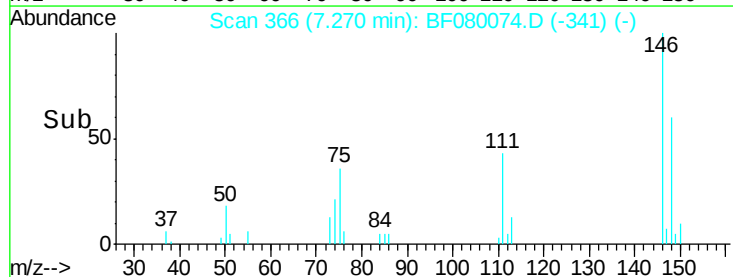
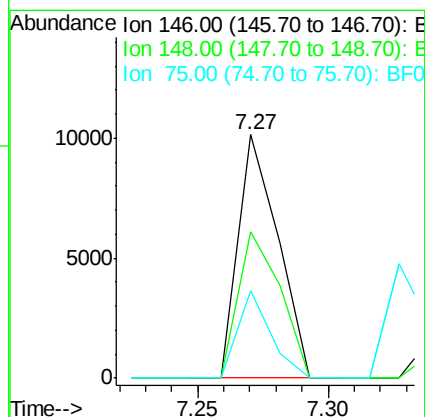
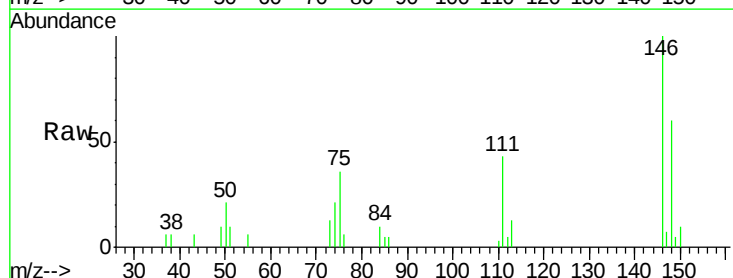
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2015-01

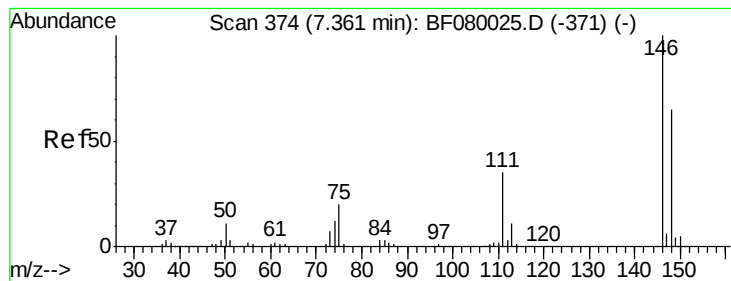
Tgt Ion: 93 Resp: 9005
Ion Ratio Lower Upper
93 100
63 88.4 65.6 105.6
95 31.5 13.6 53.6



#12
1,3-Dichlorobenzene
Concen: 3.16 ng
RT: 7.27 min Scan# 366
Delta R.T. -0.01 min
Lab File: BF080074.D
Acq: 20 Jun 2015 1:40

Tgt Ion: 146 Resp: 10790
Ion Ratio Lower Upper
146 100
148 59.9 51.0 76.4
75 35.9 15.0 22.6#





#13

1,4-Dichlorobenzene

Concen: 3.18 ng

RT: 7.51 min Scan# 387

Delta R.T. 0.15 min

Lab File: BF080074.D

Acq: 20 Jun 2015 1:40

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2015-01

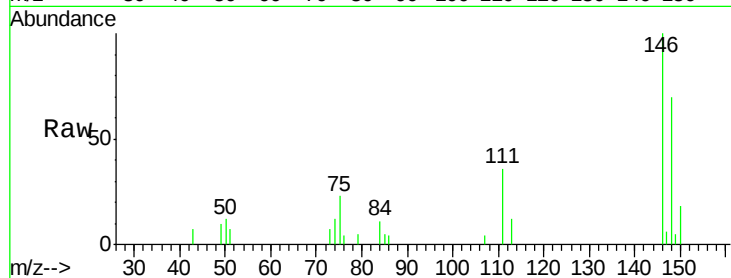
Tgt Ion:146 Resp: 10340

Ion Ratio Lower Upper

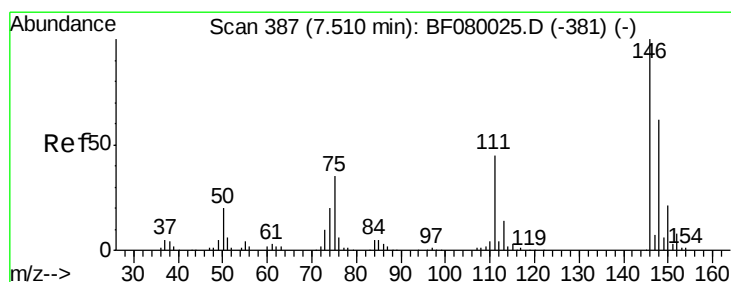
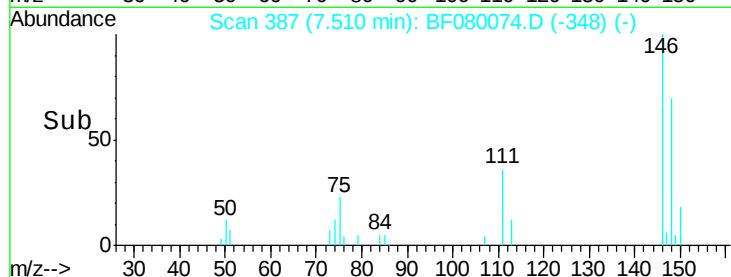
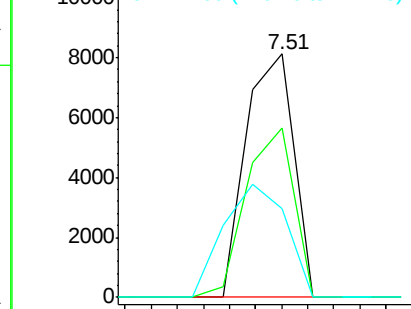
146 100

148 69.7 51.8 77.6

111 36.3 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: 3.27 ng

RT: 7.51 min Scan# 387

Delta R.T. 0.00 min

Lab File: BF080074.D

Acq: 20 Jun 2015 1:40

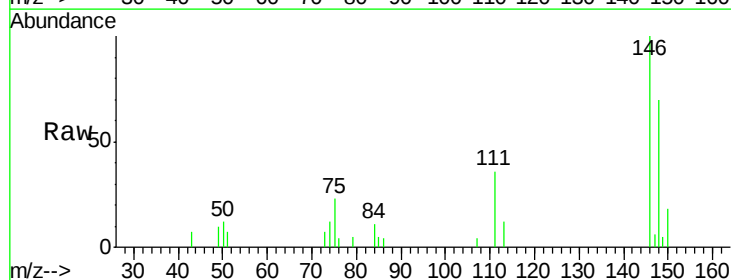
Tgt Ion:146 Resp: 10340

Ion Ratio Lower Upper

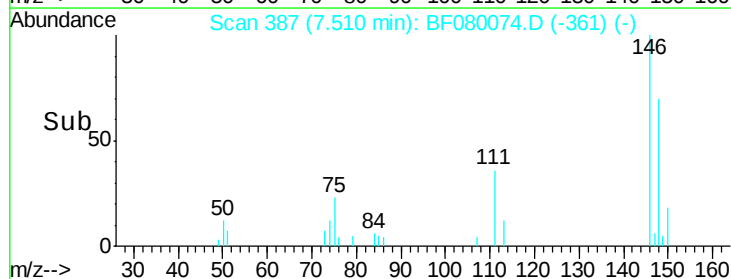
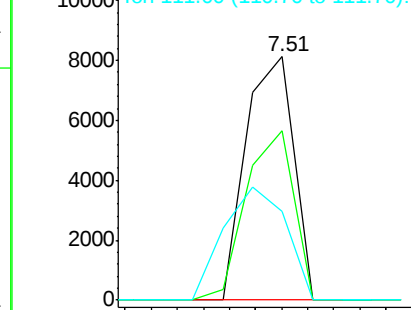
146 100

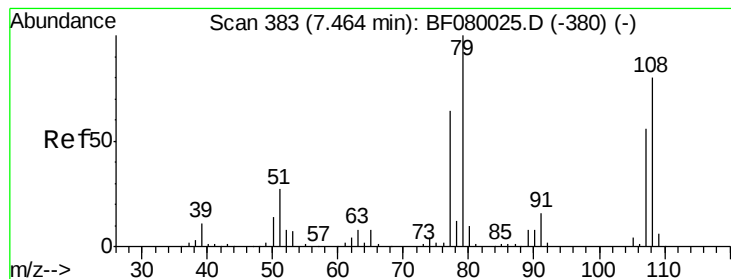
148 69.7 52.7 79.1

111 36.3 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: 1.98 ng

RT: 7.45 min Scan# 382

Delta R.T. -0.01 min

Lab File: BF080074.D

Acq: 20 Jun 2015 1:40

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2015-01

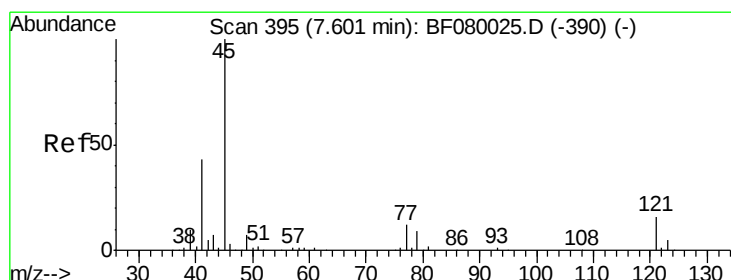
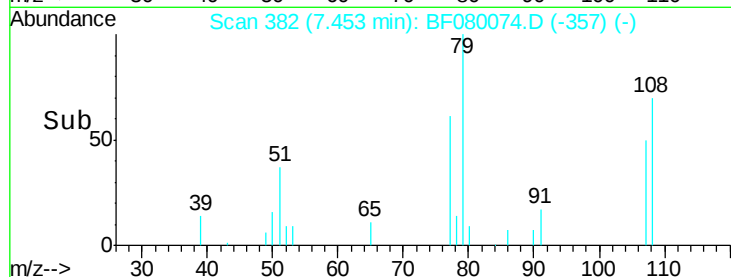
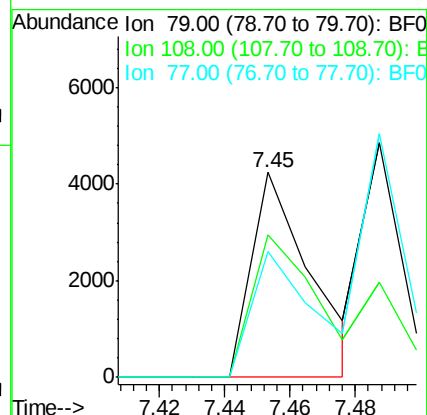
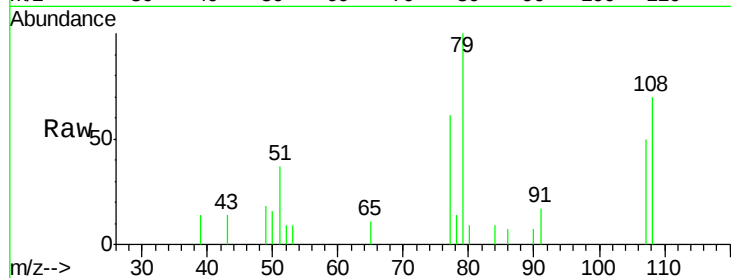
Tgt Ion: 79 Resp: 5295

Ion Ratio Lower Upper

79 100

108 69.7 88.6 132.8#

77 61.5 47.0 70.4



#16

2,2'-oxybis(1-chloropropane)

Concen: 3.56 ng

RT: 7.59 min Scan# 394

Delta R.T. -0.01 min

Lab File: BF080074.D

Acq: 20 Jun 2015 1:40

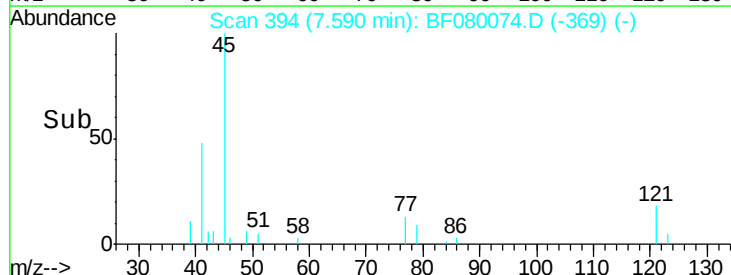
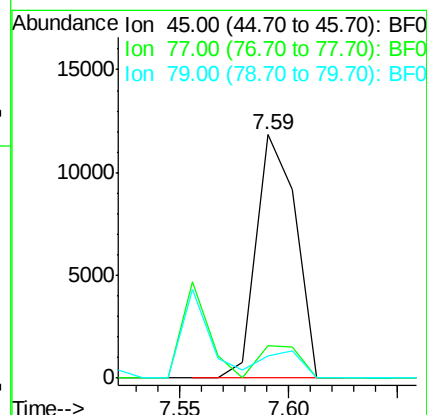
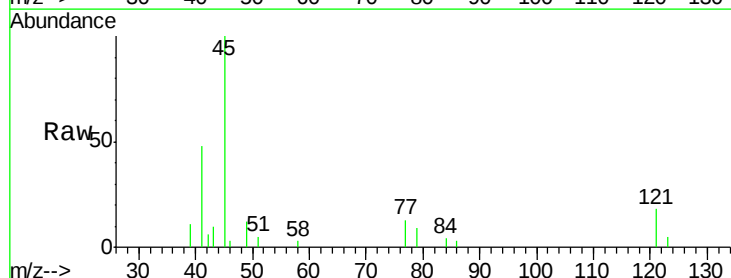
Tgt Ion: 45 Resp: 14957

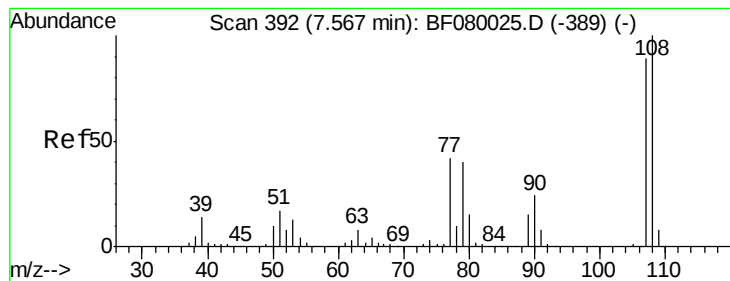
Ion Ratio Lower Upper

45 100

77 13.2 0.0 28.1

79 9.4 0.0 26.0

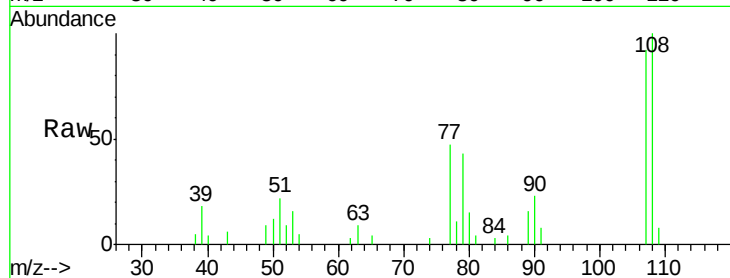




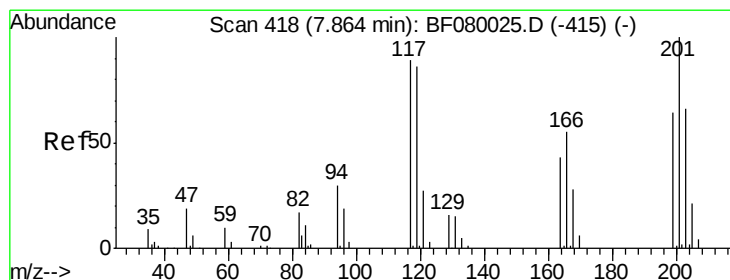
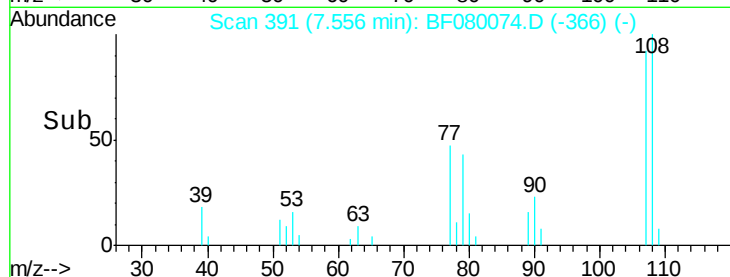
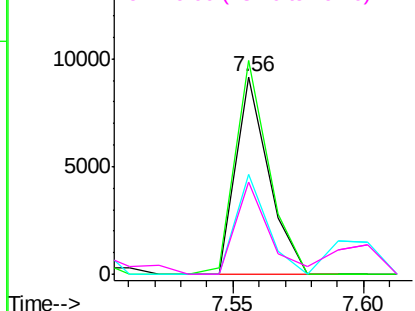
#17
2-Methylphenol
Concen: 3.32 ng
RT: 7.56 min Scan# 391
Delta R.T. -0.01 min
Lab File: BF080074.D
Acq: 20 Jun 2015 1:40

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2015-01

Tgt Ion:107 Resp: 8068
Ion Ratio Lower Upper
107 100
108 108.1 96.6 145.0
77 50.9 23.3 34.9#
79 47.0 22.0 33.0#

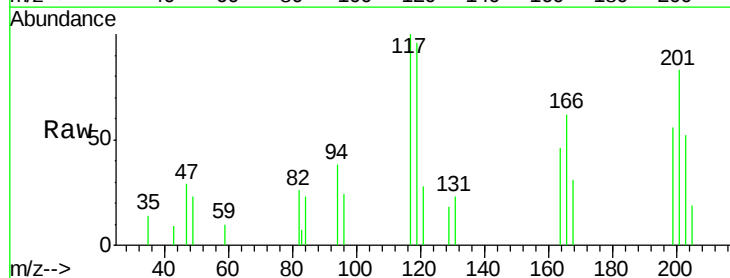


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF0
Ion 79.00 (78.70 to 79.70): BF0

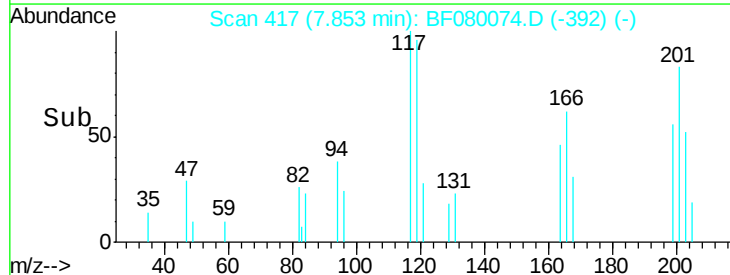
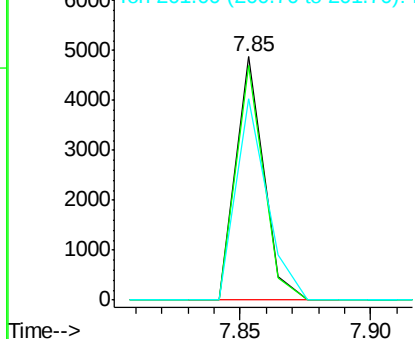


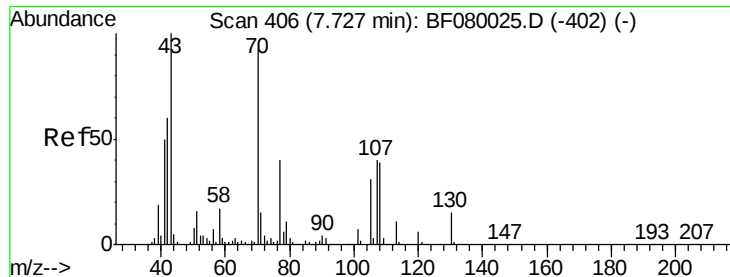
#18
Hexachloroethane
Concen: 3.40 ng
RT: 7.85 min Scan# 417
Delta R.T. -0.01 min
Lab File: BF080074.D
Acq: 20 Jun 2015 1:40

Tgt Ion:117 Resp: 3674
Ion Ratio Lower Upper
117 100
119 96.3 83.8 125.6
201 82.5 55.1 82.7



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

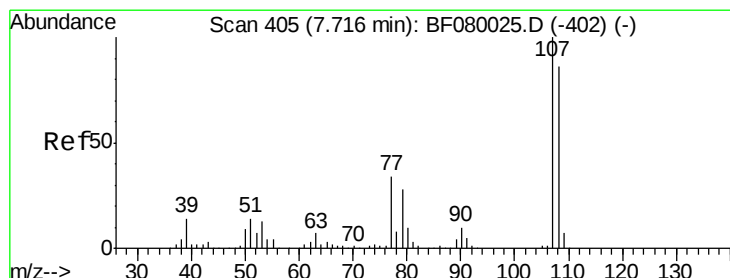
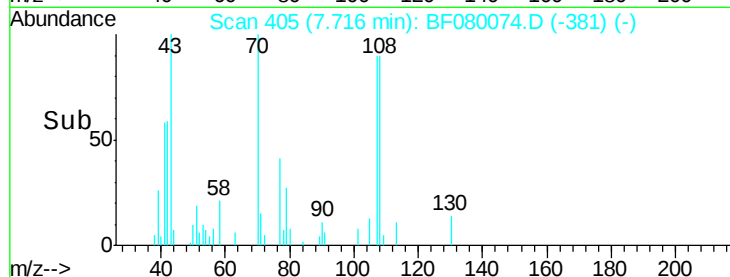
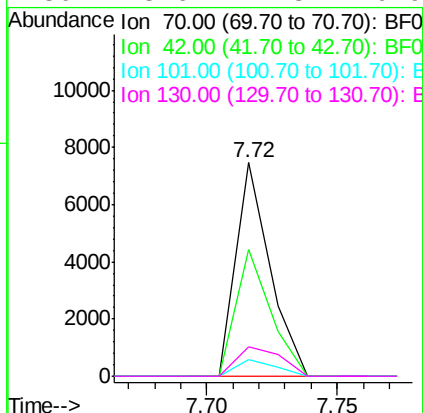
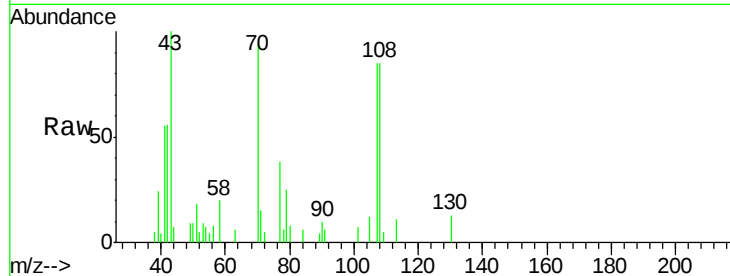




#19
n-Nitroso-di-n-propylamine
Concen: 3.00 ng
RT: 7.72 min Scan# 405
Delta R.T. -0.02 min
Lab File: BF080074.D
Acq: 20 Jun 2015 1:40

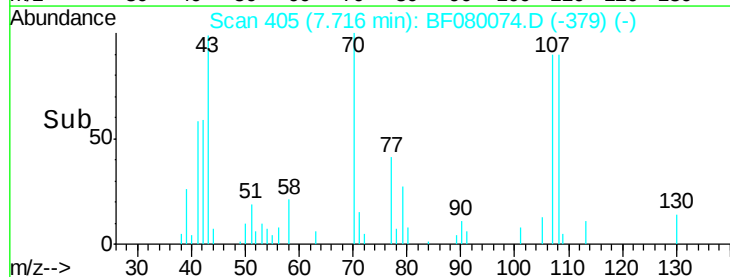
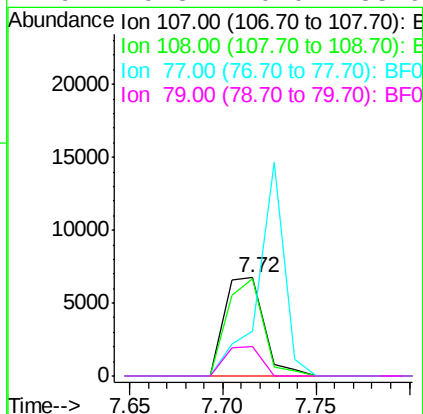
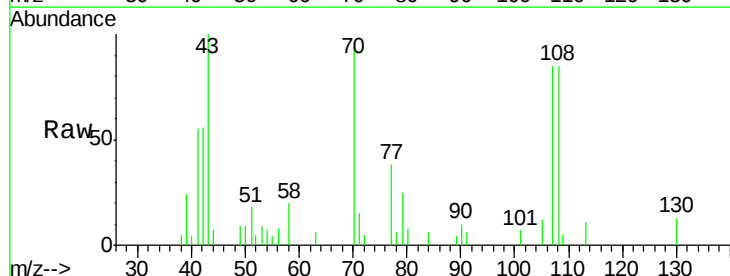
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2015-01

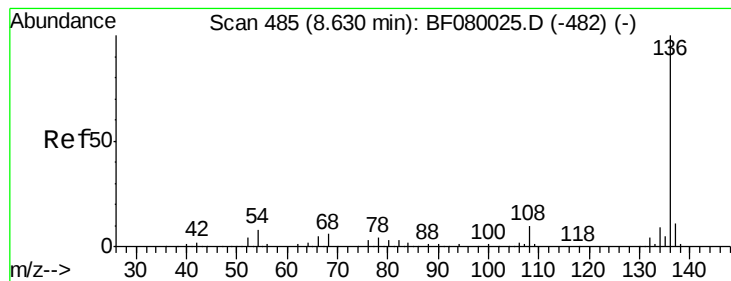
Tgt Ion: 70 Resp: 6825
Ion Ratio Lower Upper
70 100
42 59.3 63.8 95.6#
101 7.7 9.2 13.8#
130 13.6 27.3 40.9#



#20
3+4-Methylphenols
Concen: 3.19 ng
RT: 7.72 min Scan# 405
Delta R.T. 0.00 min
Lab File: BF080074.D
Acq: 20 Jun 2015 1:40

Tgt Ion: 107 Resp: 9988
Ion Ratio Lower Upper
107 100
108 99.3 74.6 114.6
77 45.1 0.7 40.7#
79 29.8 0.0 38.9

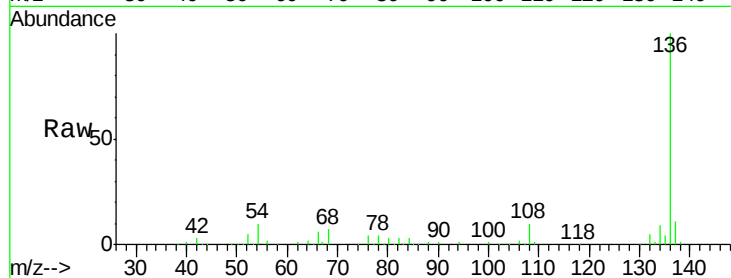




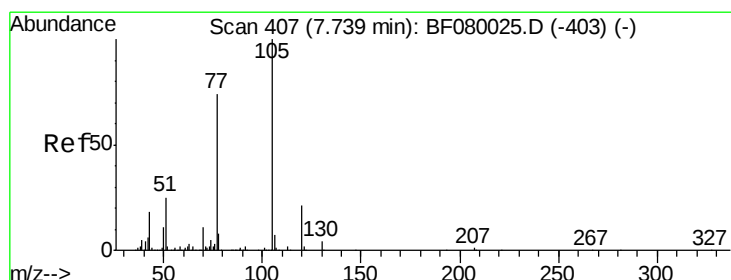
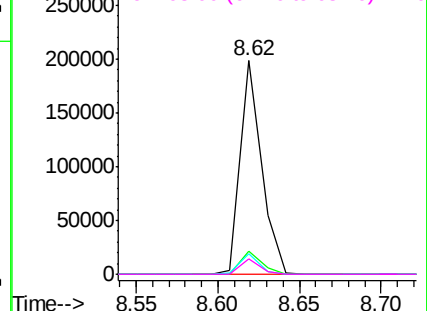
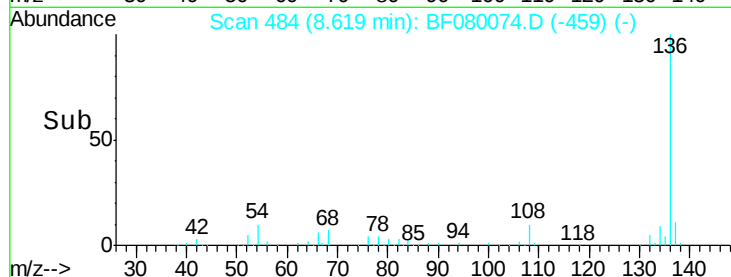
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.62 min Scan# 484
Delta R.T. -0.01 min
Lab File: BF080074.D
Acq: 20 Jun 2015 1:40

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2015-01

Tgt Ion:	136	Resp:	177266
Ion Ratio	Lower	Upper	
136	100		
137	11.1	9.0	13.6
54	9.6	8.2	12.2
68	7.3	5.8	8.6

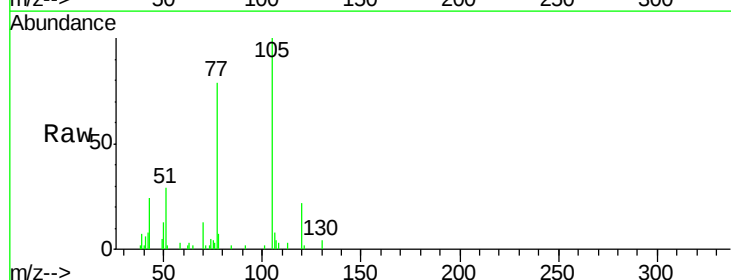


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

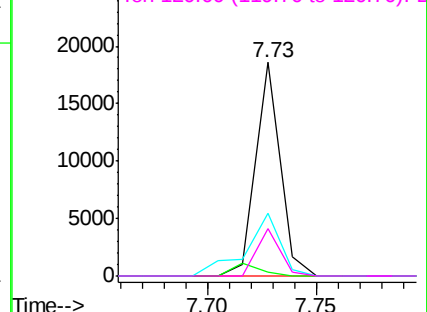
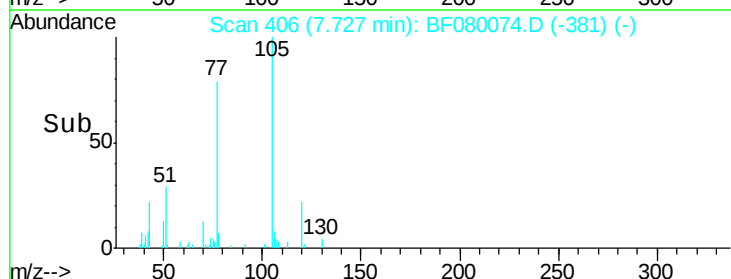


#22
Acetophenone
Concen: 3.53 ng
RT: 7.73 min Scan# 406
Delta R.T. -0.01 min
Lab File: BF080074.D
Acq: 20 Jun 2015 1:40

Tgt Ion:	105	Resp:	14589
Ion Ratio	Lower	Upper	
105	100		
71	2.1	4.7	7.1#
51	29.1	22.0	33.0
120	21.9	30.1	45.1#



Abundance Ion 105.00 (104.70 to 105.70): E
Ion 71.00 (70.70 to 71.70): BF0
Ion 51.00 (50.70 to 51.70): BF0
Ion 120.00 (119.70 to 120.70): E

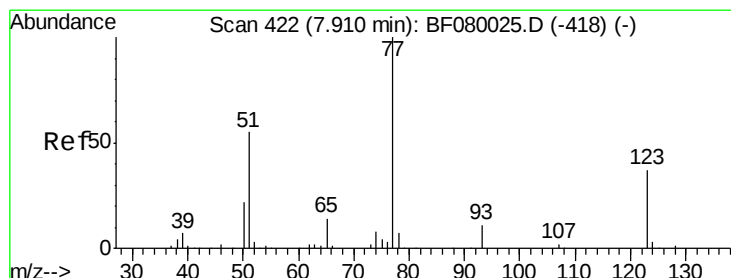
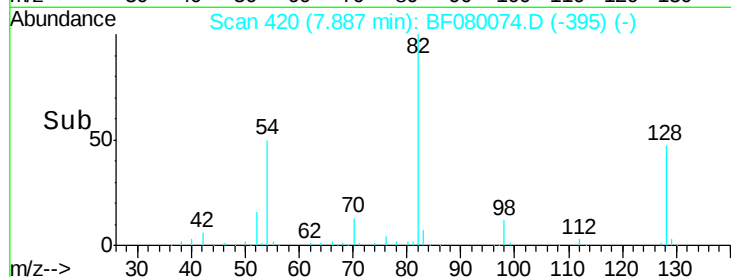
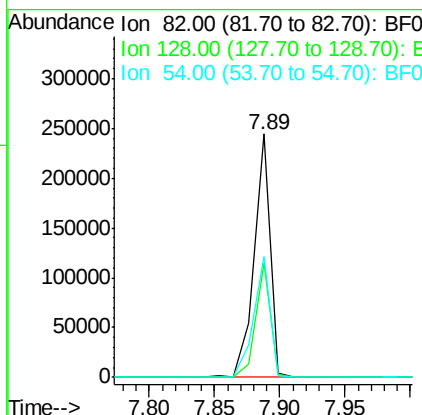
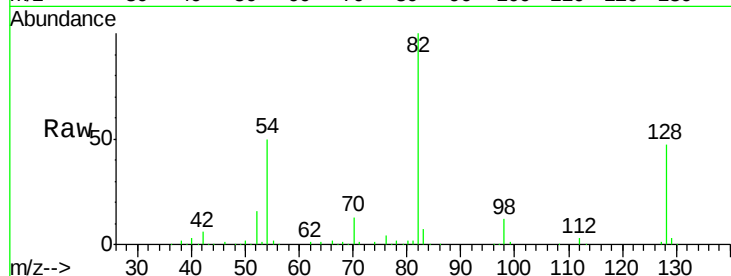




#23
 Nitrobenzene-d5
 Concen: 68.68 ng
 RT: 7.89 min Scan# 420
 Delta R.T. -0.01 min
 Lab File: BF080074.D
 Acq: 20 Jun 2015 1:40

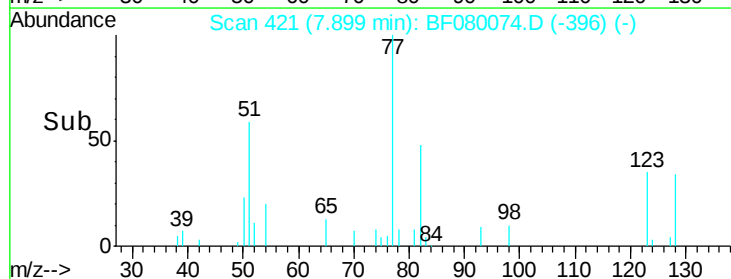
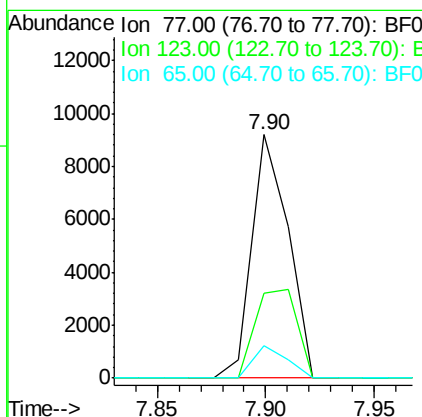
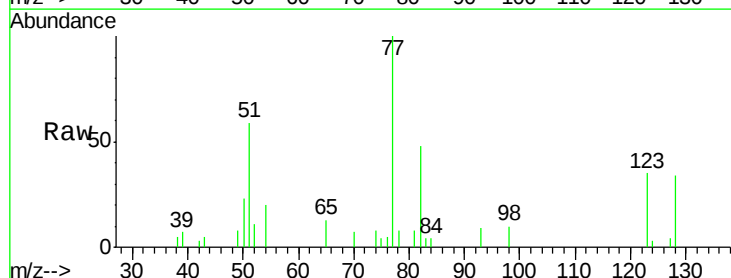
Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2015-01

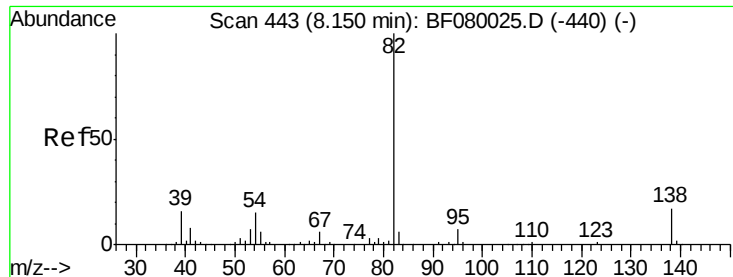
Tgt Ion	Ratio	Lower	Upper
82	100		
128	46.8	51.0	76.6#
54	49.7	47.5	71.3



#24
 Nitrobenzene
 Concen: 3.41 ng
 RT: 7.90 min Scan# 421
 Delta R.T. -0.01 min
 Lab File: BF080074.D
 Acq: 20 Jun 2015 1:40

Tgt Ion	Ratio	Lower	Upper
77	100		
123	34.9	59.8	89.8#
65	13.1	10.2	15.4





#25

Isophorone

Concen: 3.15 ng

RT: 8.14 min Scan# 442

Delta R.T. -0.01 min

Lab File: BF080074.D

Acq: 20 Jun 2015 1:40

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2015-01

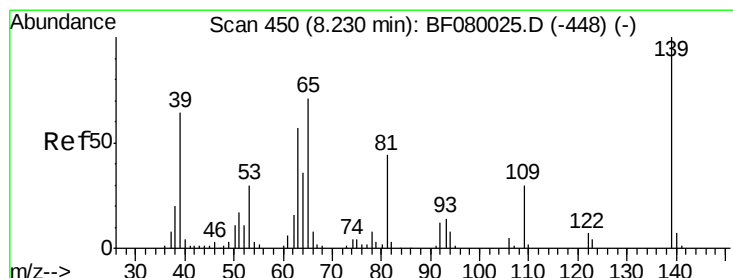
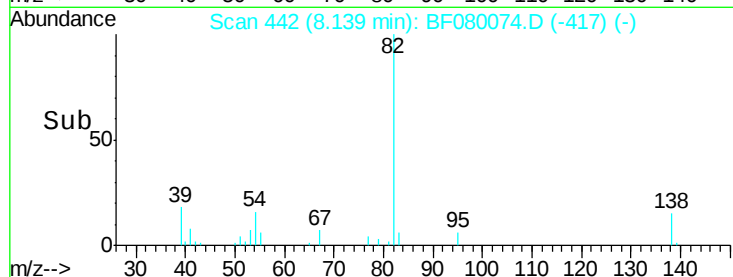
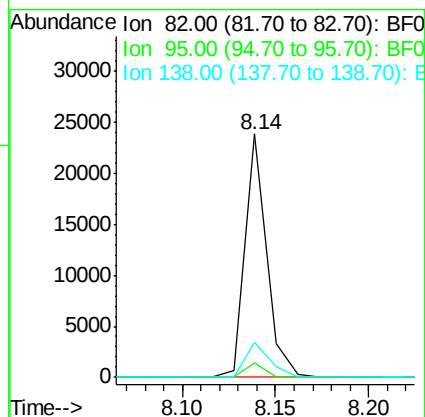
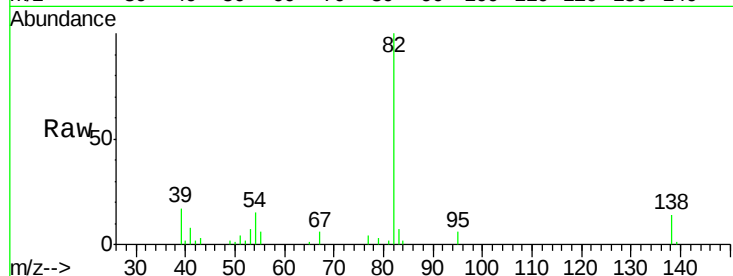
Tgt Ion: 82 Resp: 19308

Ion Ratio Lower Upper

82 100

95 6.1 4.0 6.0#

138 14.2 18.3 27.5#



#26

2-Nitrophenol

Concen: 2.80 ng

RT: 8.23 min Scan# 450

Delta R.T. -0.01 min

Lab File: BF080074.D

Acq: 20 Jun 2015 1:40

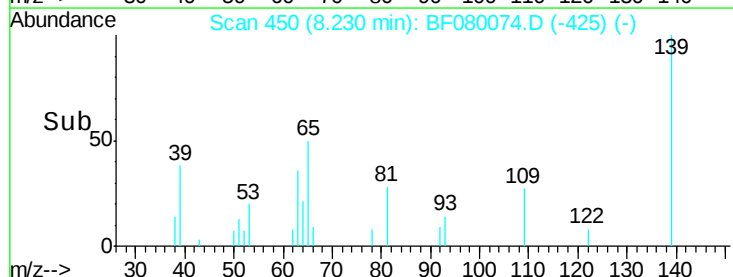
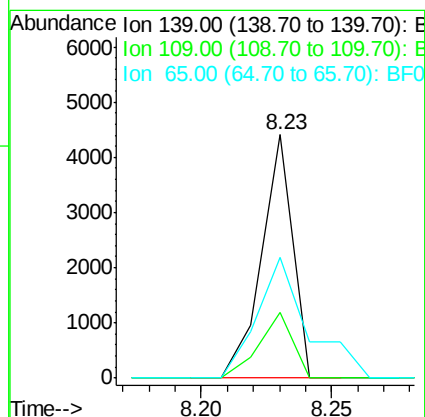
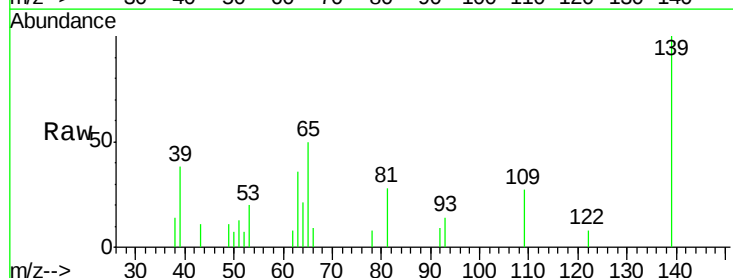
Tgt Ion: 139 Resp: 3683

Ion Ratio Lower Upper

139 100

109 27.1 11.0 16.4#

65 49.8 24.7 37.1#

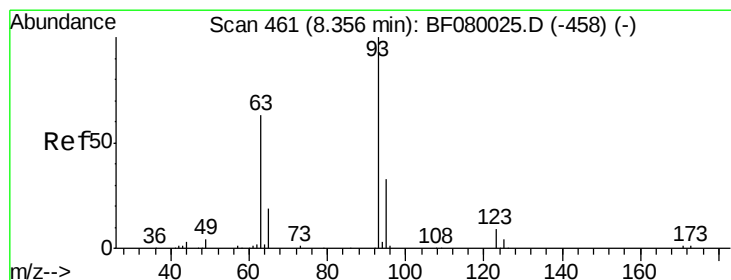
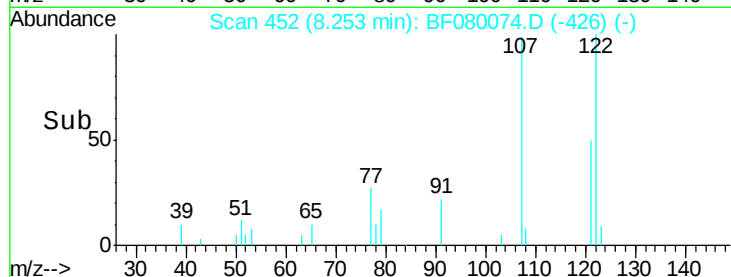
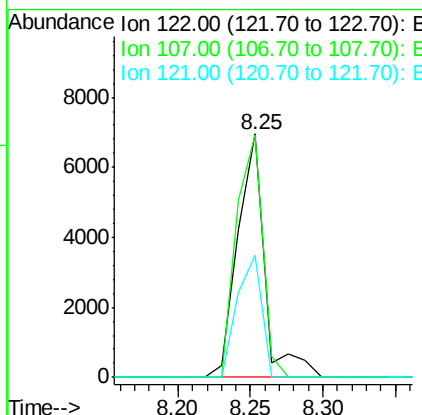
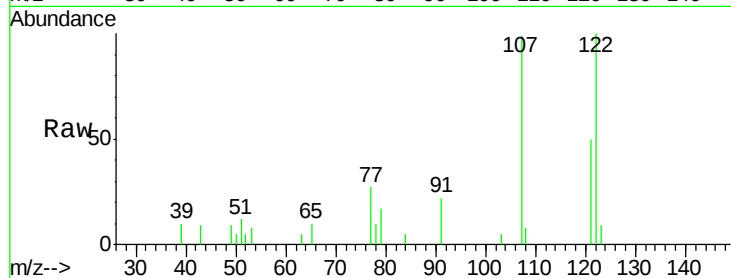




#27
2,4-Dimethylphenol
Concen: 3.27 ng
RT: 8.25 min Scan# 452
Delta R.T. 0.00 min
Lab File: BF080074.D
Acq: 20 Jun 2015 1:40

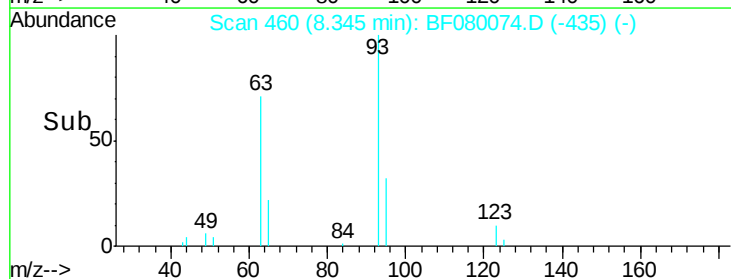
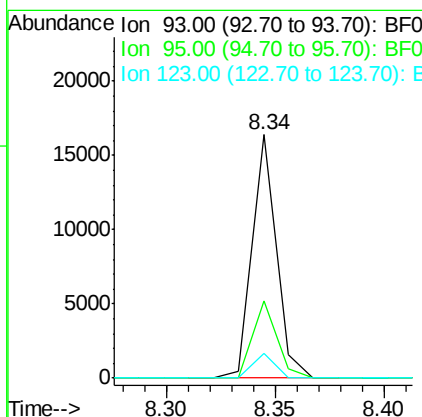
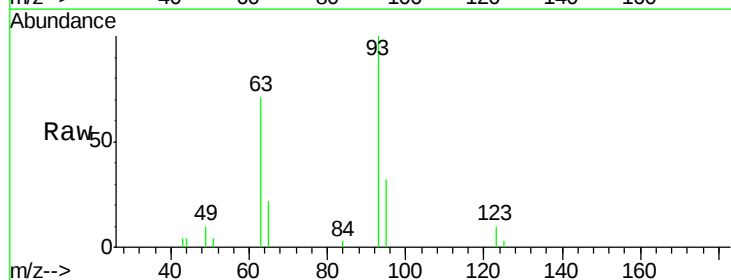
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2015-01

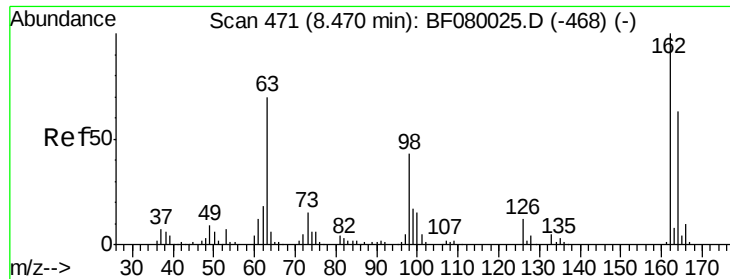
Tgt Ion: 122 Resp: 8976
Ion Ratio Lower Upper
122 100
107 99.4 71.8 107.6
121 50.0 42.3 63.5



#28
bis(2-Chloroethoxy)methane
Concen: 3.51 ng
RT: 8.34 min Scan# 460
Delta R.T. -0.01 min
Lab File: BF080074.D
Acq: 20 Jun 2015 1:40

Tgt Ion: 93 Resp: 12631
Ion Ratio Lower Upper
93 100
95 31.6 27.5 41.3
123 10.2 13.7 20.5#

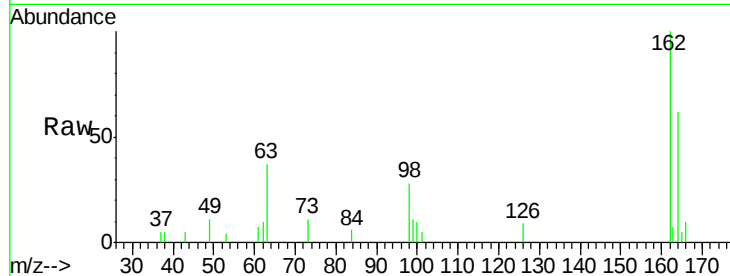




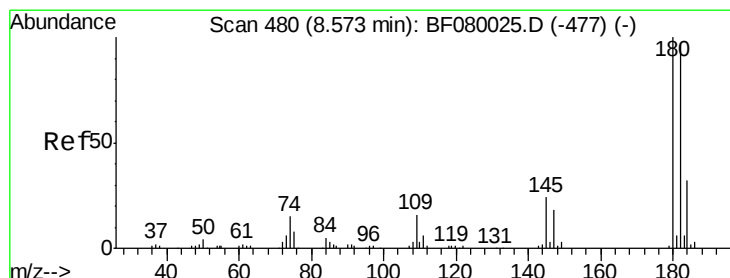
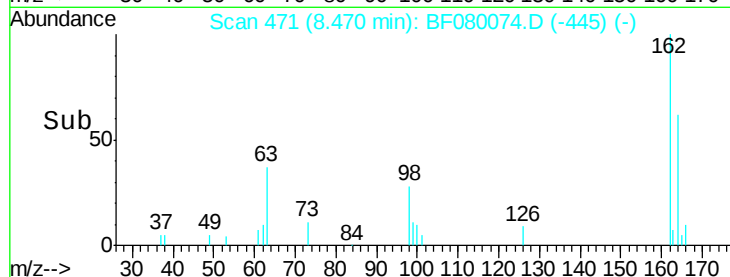
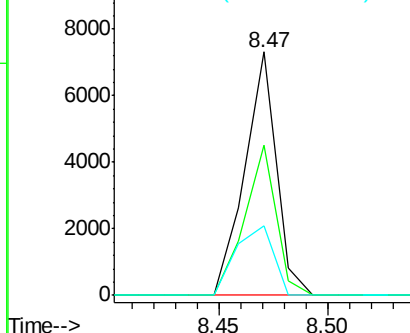
#29
 2,4-Dichlorophenol
 Concen: 3.14 ng
 RT: 8.47 min Scan# 471
 Delta R.T. 0.00 min
 Lab File: BF080074.D
 Acq: 20 Jun 2015 1:40

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2015-01

Tgt Ion	Ratio	Lower	Upper
162	100		
164	61.5	44.9	84.9
98	28.3	13.0	53.0

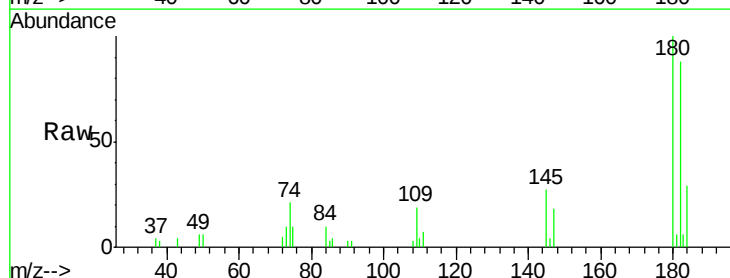


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF0

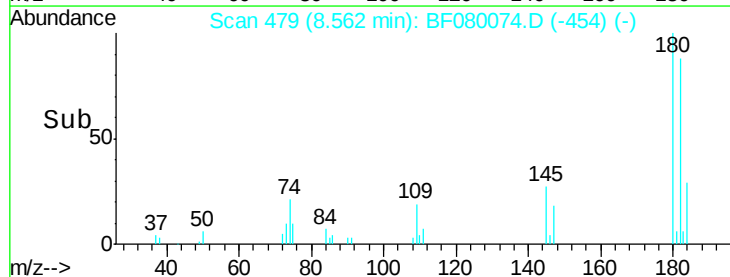
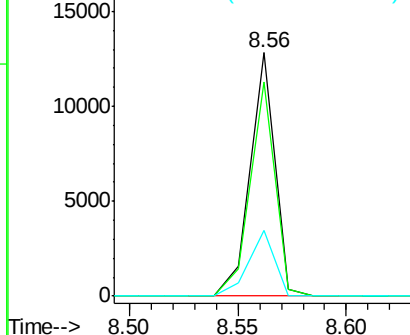


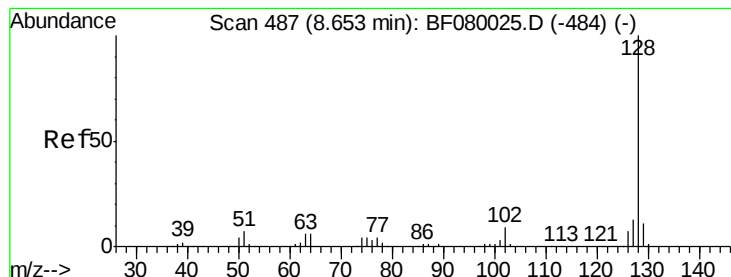
#30
 1,2,4-Trichlorobenzene
 Concen: 3.79 ng
 RT: 8.56 min Scan# 479
 Delta R.T. -0.01 min
 Lab File: BF080074.D
 Acq: 20 Jun 2015 1:40

Tgt Ion	Ratio	Lower	Upper
180	100		
182	87.9	77.1	115.7
145	27.2	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: 3.44 ng

RT: 8.64 min Scan# 486

Delta R.T. -0.01 min

Lab File: BF080074.D

Acq: 20 Jun 2015 1:40

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2015-01

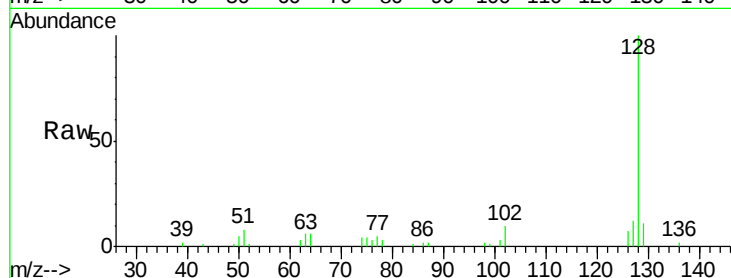
Tgt Ion:128 Resp: 31853

Ion Ratio Lower Upper

128 100

129 10.5 8.4 12.6

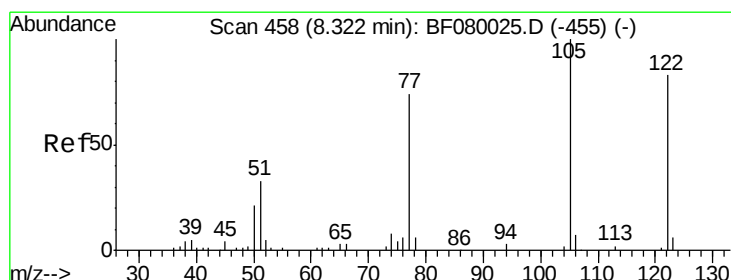
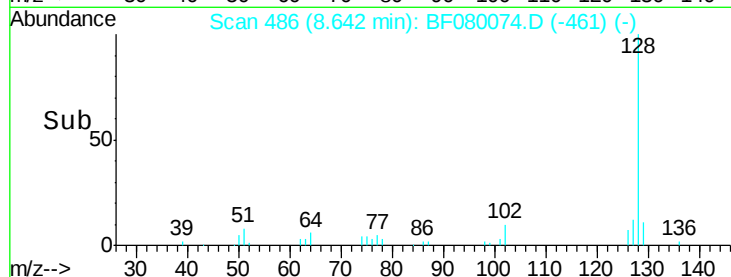
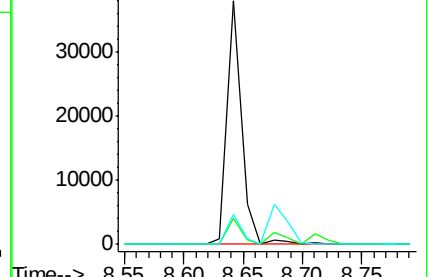
127 12.5 9.9 14.9



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: 5.41 ng

RT: 8.25 min Scan# 452

Delta R.T. -0.08 min

Lab File: BF080074.D

Acq: 20 Jun 2015 1:40

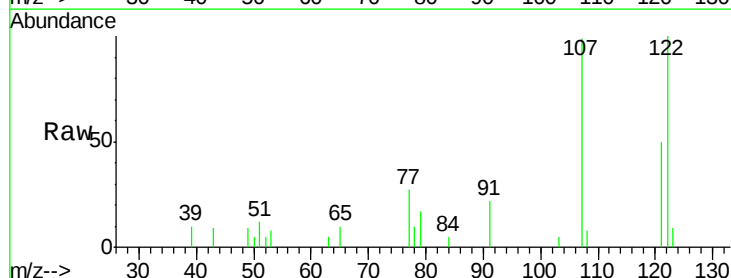
Tgt Ion:122 Resp: 8976

Ion Ratio Lower Upper

122 100

105 0.0 76.1 116.1#

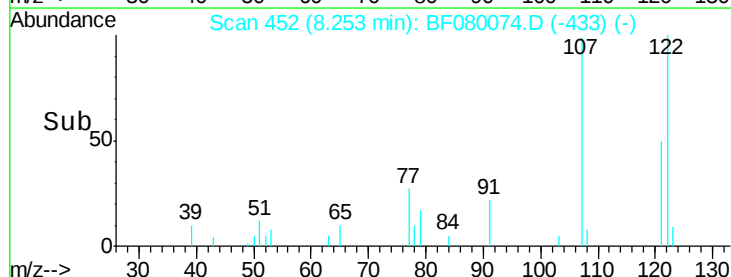
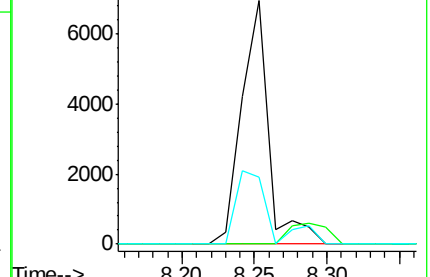
77 27.3 40.5 80.5#

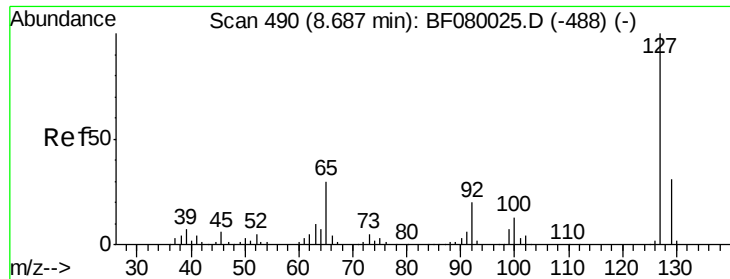


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

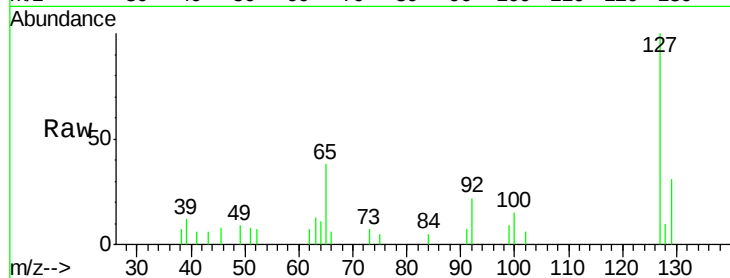




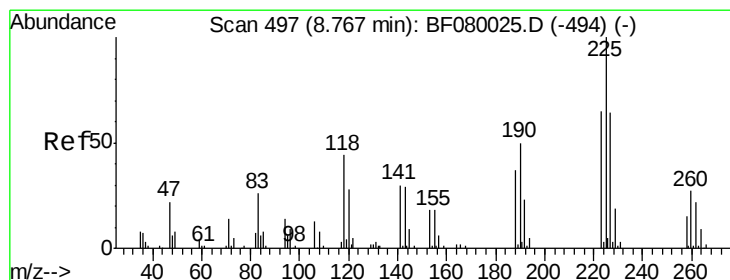
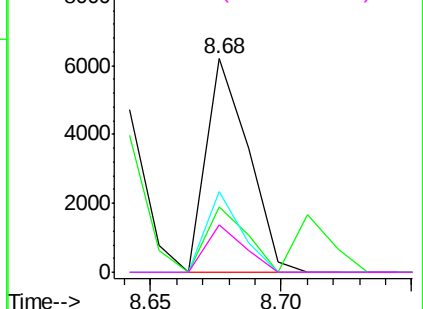
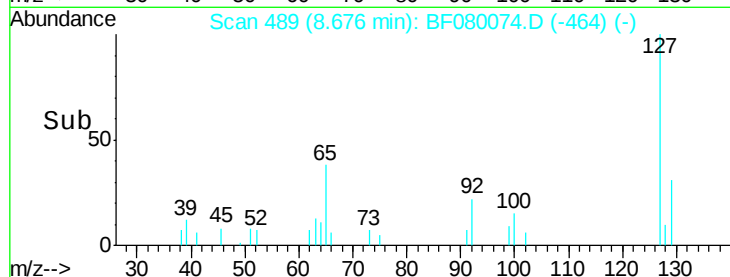
#33
4-Chloroaniline
Concen: 1.75 ng
RT: 8.68 min Scan# 489
Delta R.T. -0.01 min
Lab File: BF080074.D
Acq: 20 Jun 2015 1:40

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2015-01

Tgt Ion:127 Resp: 6933
Ion Ratio Lower Upper
127 100
129 30.7 25.8 38.6
65 37.6 17.9 26.9#
92 22.1 10.5 15.7#

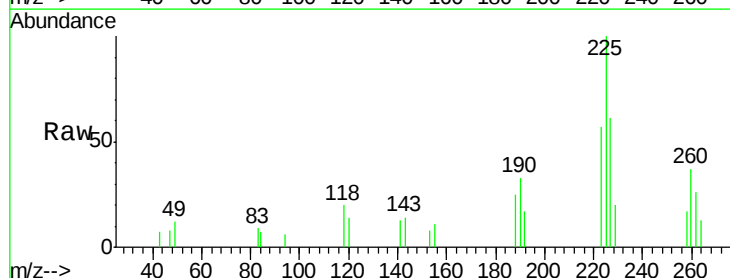


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0

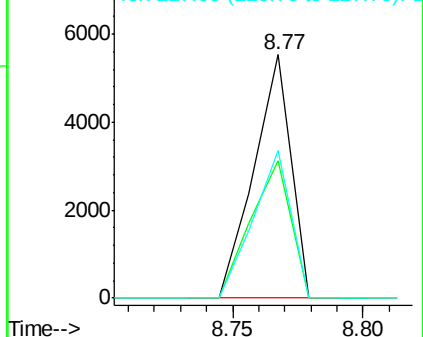
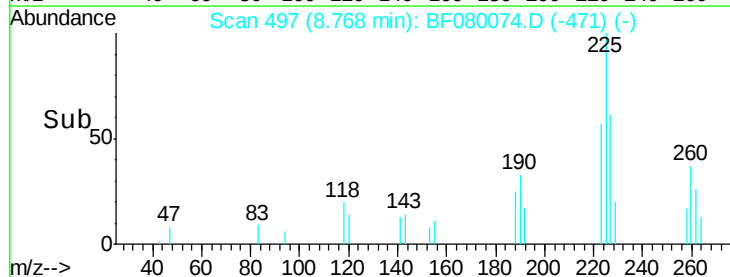


#34
Hexachlorobutadiene
Concen: 3.30 ng
RT: 8.77 min Scan# 497
Delta R.T. 0.00 min
Lab File: BF080074.D
Acq: 20 Jun 2015 1:40

Tgt Ion:225 Resp: 5424
Ion Ratio Lower Upper
225 100
223 56.6 50.2 75.2
227 60.5 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

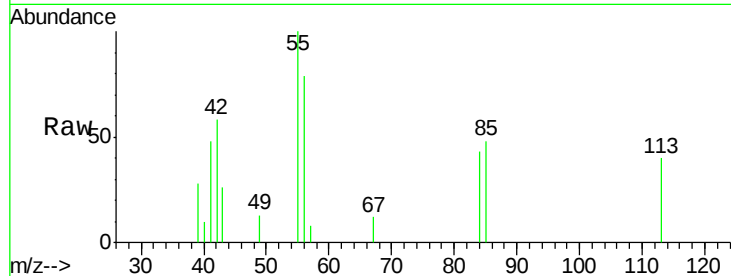




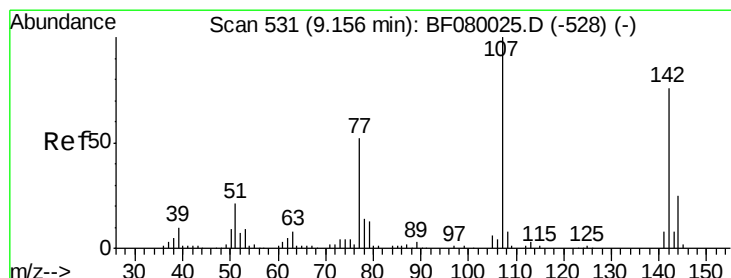
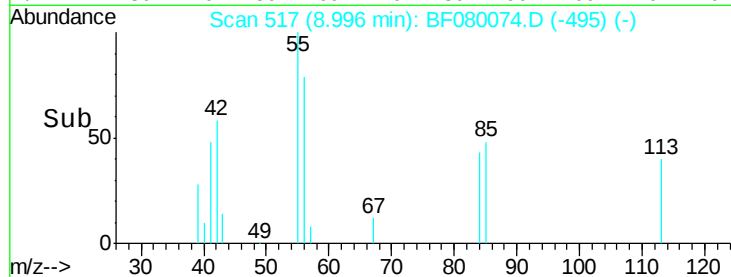
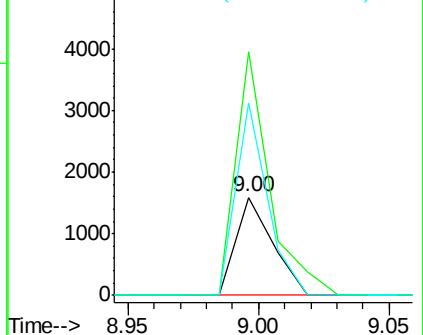
#35
 Caprolactam
 Concen: 2.04 ng
 RT: 9.00 min Scan# 517
 Delta R.T. -0.05 min
 Lab File: BF080074.D
 Acq: 20 Jun 2015 1:40

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2015-01

Tgt Ion:113 Resp: 1556
 Ion Ratio Lower Upper
 113 100
 55 249.0 152.4 192.4#
 56 196.8 104.6 144.6#

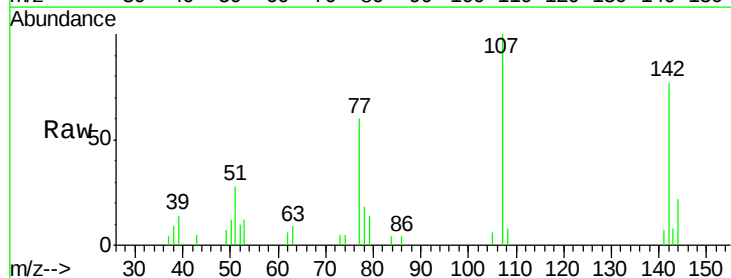


Abundance Ion 113.00 (112.70 to 113.70): E
 Ion 55.00 (54.70 to 55.70): BF0
 Ion 56.00 (55.70 to 56.70): BF0

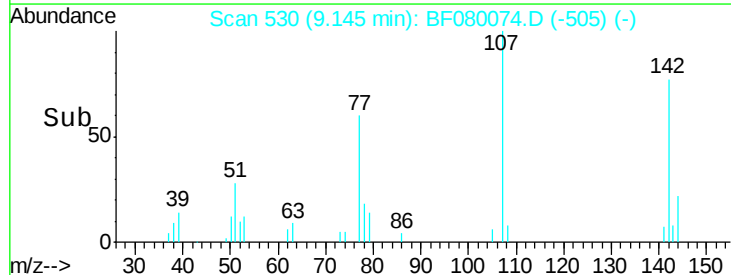
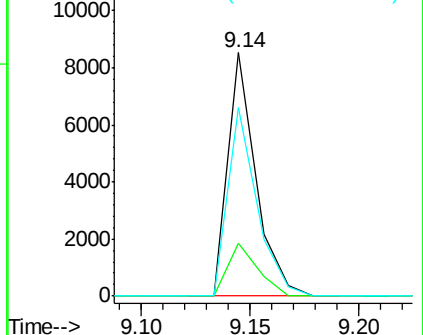


#36
 4-Chloro-3-methylphenol
 Concen: 2.86 ng
 RT: 9.14 min Scan# 530
 Delta R.T. -0.01 min
 Lab File: BF080074.D
 Acq: 20 Jun 2015 1:40

Tgt Ion:107 Resp: 7574
 Ion Ratio Lower Upper
 107 100
 144 22.0 25.4 38.0#
 142 77.3 77.3 115.9



Abundance Ion 107.00 (106.70 to 107.70): E
 Ion 144.00 (143.70 to 144.70): E
 Ion 142.00 (141.70 to 142.70): E

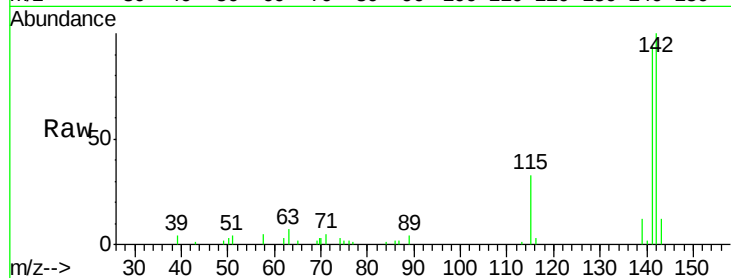




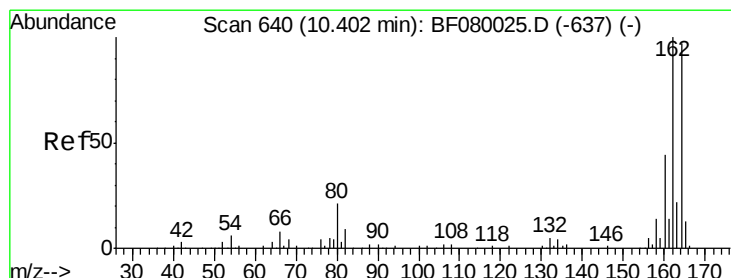
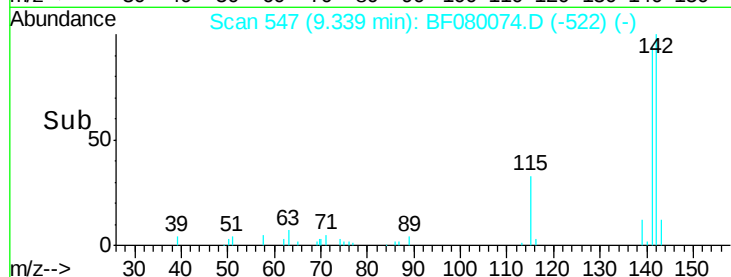
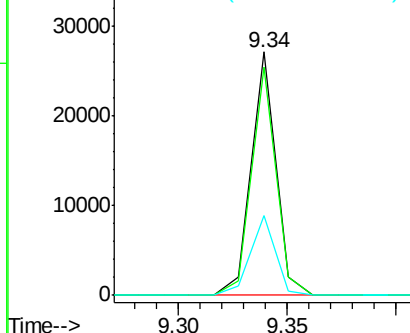
#37
2-Methylnaphthalene
Concen: 3.58 ng
RT: 9.34 min Scan# 547
Delta R.T. -0.01 min
Lab File: BF080074.D
Acq: 20 Jun 2015 1:40

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2015-01

Tgt Ion:142 Resp: 21465
Ion Ratio Lower Upper
142 100
141 93.6 67.5 101.3
115 32.6 18.2 27.2#

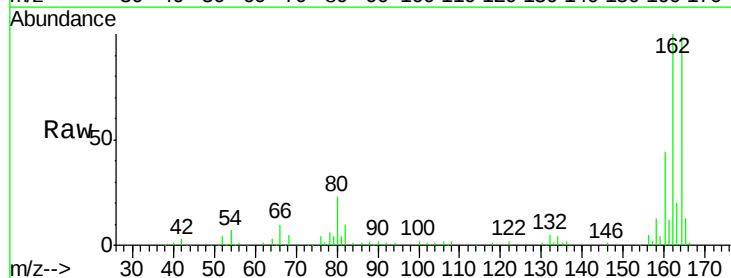


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

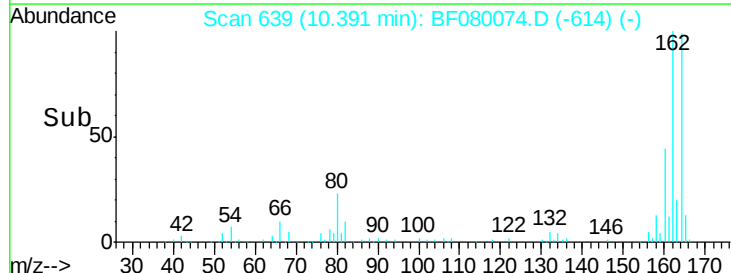
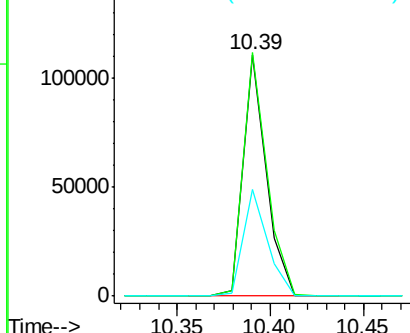


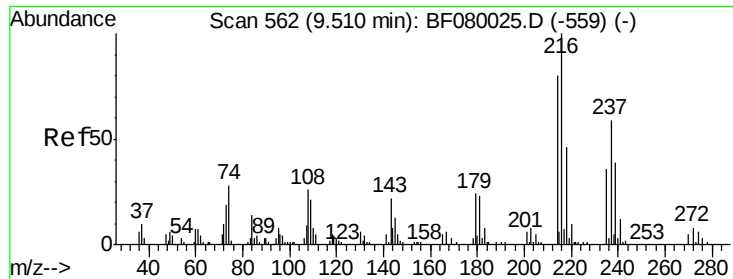
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.39 min Scan# 639
Delta R.T. -0.01 min
Lab File: BF080074.D
Acq: 20 Jun 2015 1:40

Tgt Ion:164 Resp: 96510
Ion Ratio Lower Upper
164 100
162 100.9 75.2 112.8
160 44.3 31.5 47.3



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

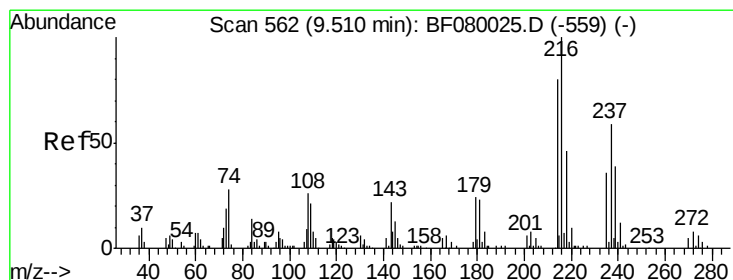
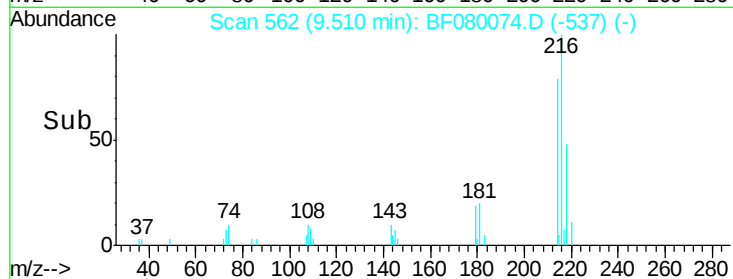
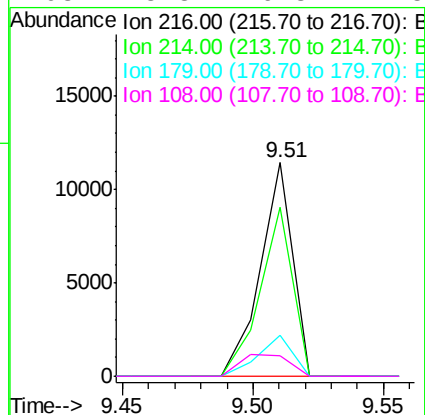
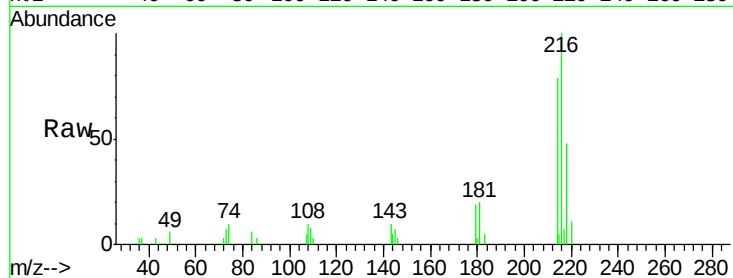




#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 3.53 ng
 RT: 9.51 min Scan# 562
 Delta R.T. -0.01 min
 Lab File: BF080074.D
 Acq: 20 Jun 2015 1:40

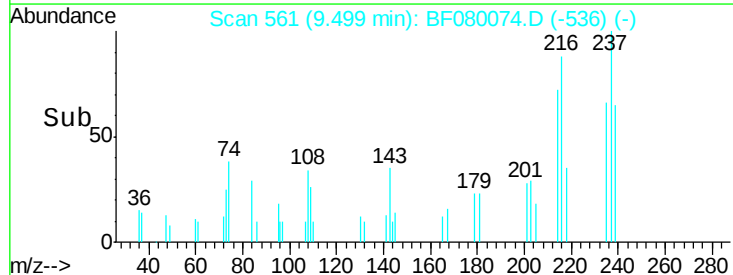
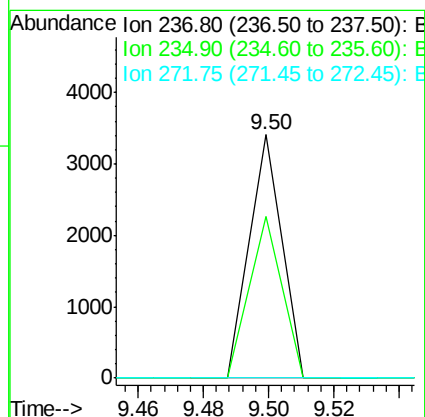
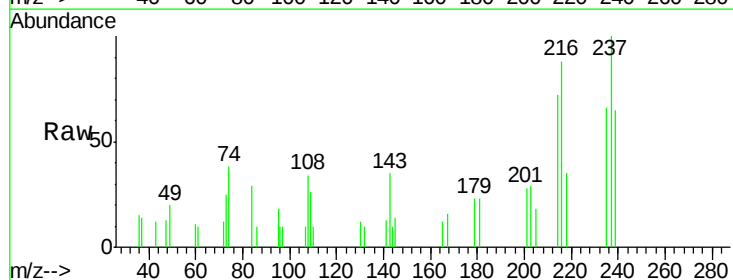
Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2015-01

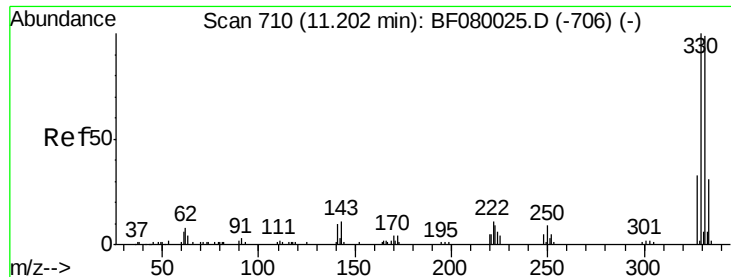
Tgt Ion:216 Resp: 9911
 Ion Ratio Lower Upper
 216 100
 214 79.4 63.5 95.3
 179 20.7 16.6 24.8
 108 15.8 16.3 24.5#



#40
 Hexachlorocyclopentadiene
 Concen: 7.74 ng
 RT: 9.50 min Scan# 561
 Delta R.T. -0.01 min
 Lab File: BF080074.D
 Acq: 20 Jun 2015 1:40

Tgt Ion:237 Resp: 2338
 Ion Ratio Lower Upper
 237 100
 235 66.4 42.0 82.0
 272 0.0 0.0 36.1

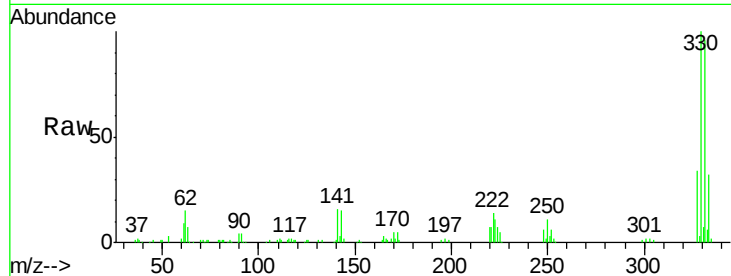




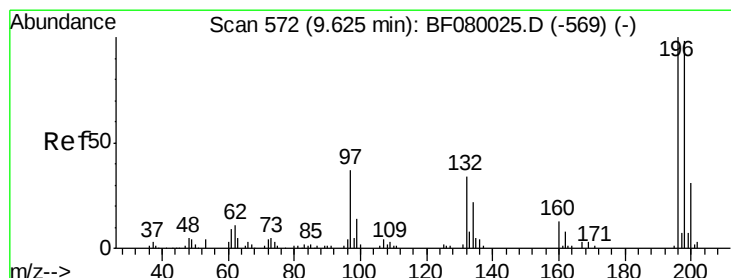
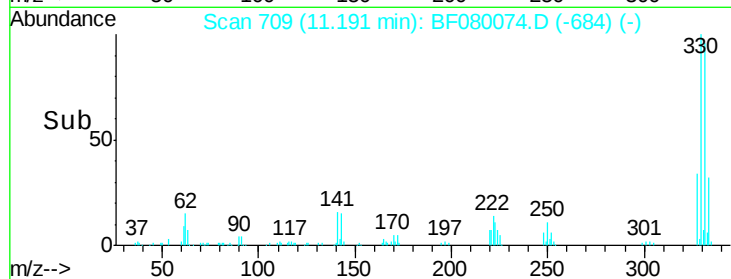
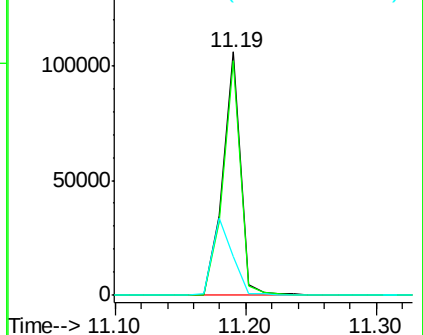
#41
 2,4,6-Tribromophenol
 Concen: 107.35 ng
 RT: 11.19 min Scan# 709
 Delta R.T. -0.01 min
 Lab File: BF080074.D
 Acq: 20 Jun 2015 1:40

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2015-01

Tgt Ion:330 Resp: 101312
 Ion Ratio Lower Upper
 330 100
 332 95.0 76.6 114.8
 141 35.5 29.7 44.5

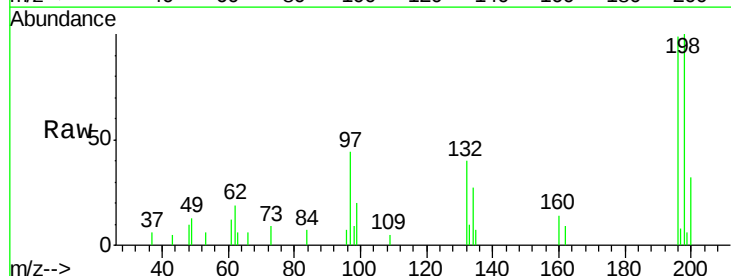


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

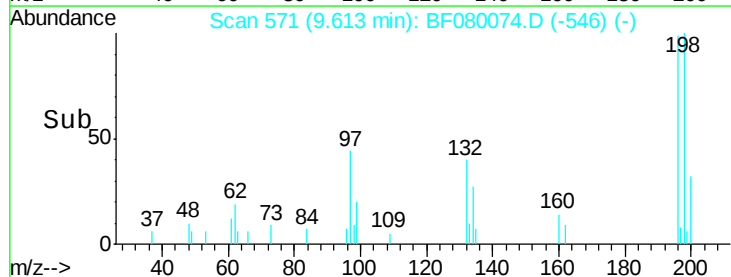
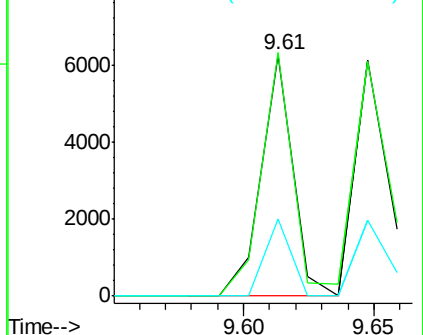


#42
 2,4,6-Trichlorophenol
 Concen: 2.79 ng
 RT: 9.61 min Scan# 571
 Delta R.T. -0.01 min
 Lab File: BF080074.D
 Acq: 20 Jun 2015 1:40

Tgt Ion:196 Resp: 5338
 Ion Ratio Lower Upper
 196 100
 198 100.9 75.7 113.5
 200 32.1 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

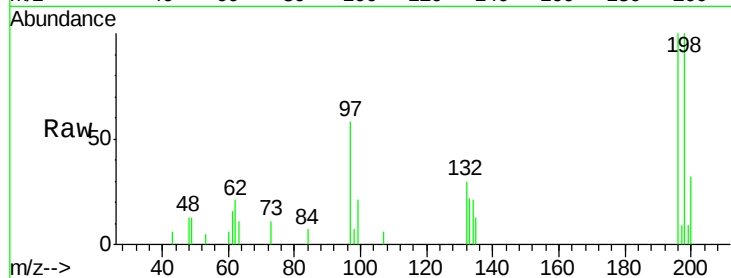




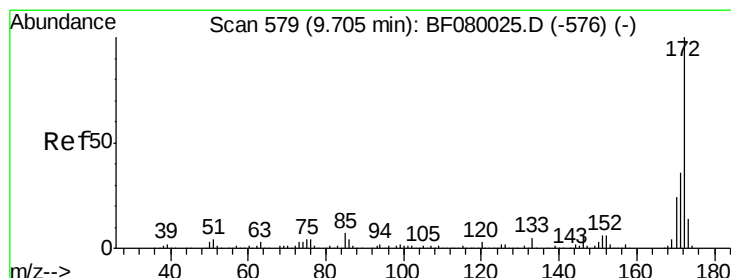
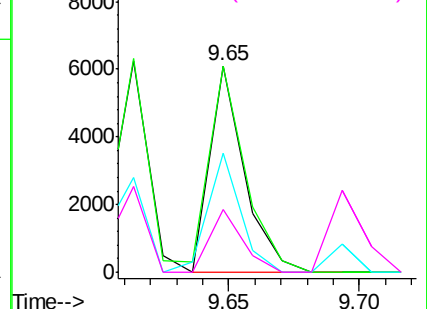
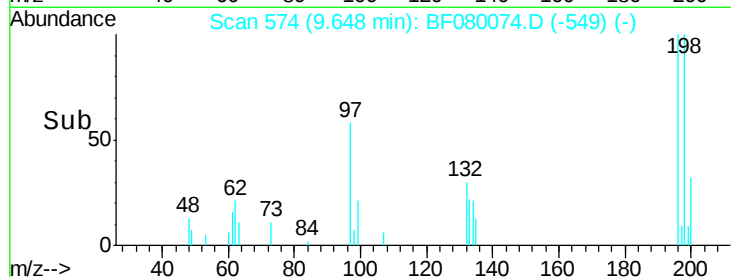
#43
 2,4,5-Trichlorophenol
 Concen: 2.55 ng
 RT: 9.65 min Scan# 574
 Delta R.T. -0.01 min
 Lab File: BF080074.D
 Acq: 20 Jun 2015 1:40

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2015-01

Tgt Ion:196 Resp: 5623
 Ion Ratio Lower Upper
 196 100
 198 99.7 75.4 113.0
 97 57.6 33.3 49.9#
 132 30.4 24.6 37.0

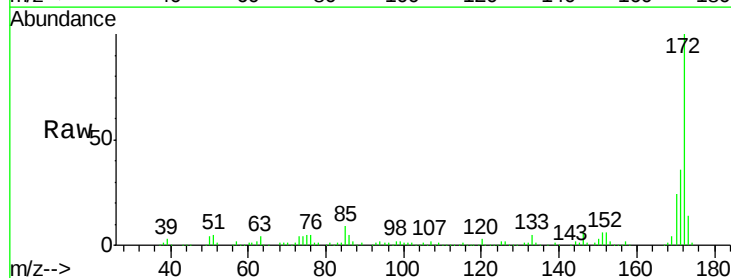


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF0
 Ion 132.00 (131.70 to 132.70): E

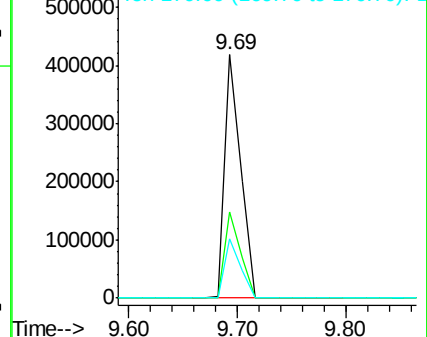
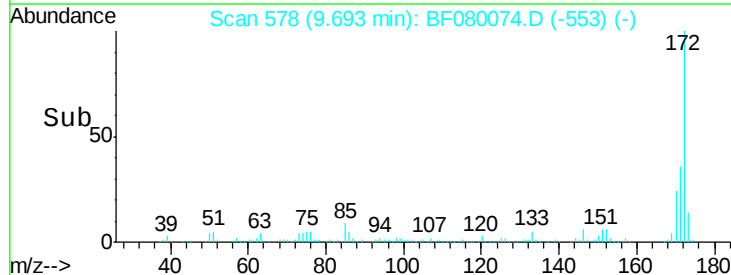


#44
 2-Fluorobiphenyl
 Concen: 63.50 ng
 RT: 9.69 min Scan# 578
 Delta R.T. -0.01 min
 Lab File: BF080074.D
 Acq: 20 Jun 2015 1:40

Tgt Ion:172 Resp: 429718
 Ion Ratio Lower Upper
 172 100
 171 35.5 26.1 39.1
 170 24.2 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

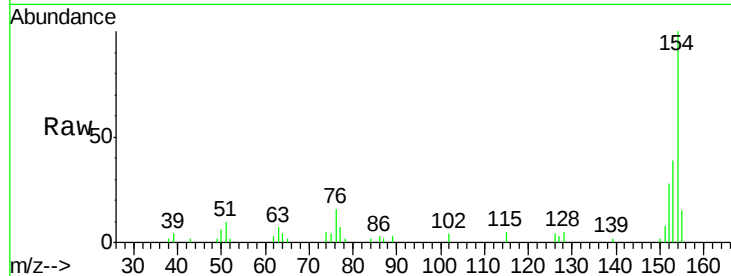




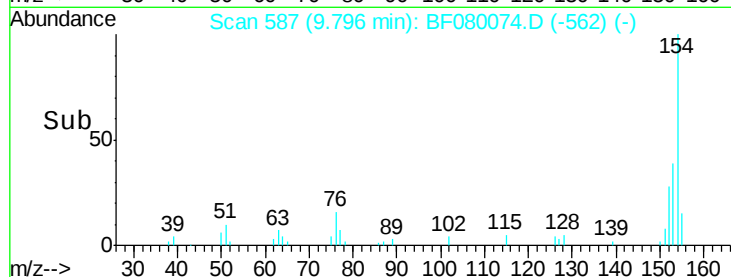
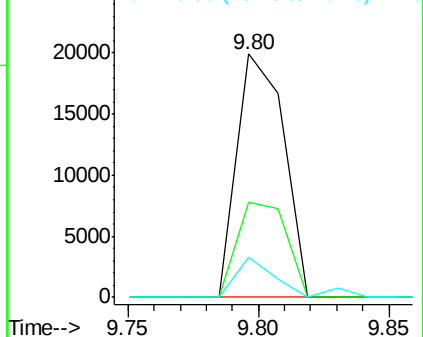
#45
 1,1'-Biphenyl
 Concen: 3.20 ng
 RT: 9.80 min Scan# 587
 Delta R.T. -0.01 min
 Lab File: BF080074.D
 Acq: 20 Jun 2015 1:40

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2015-01

Tgt Ion	Ratio	Lower	Upper
154	100		
153	39.2	17.1	57.1
76	16.5	0.0	31.6

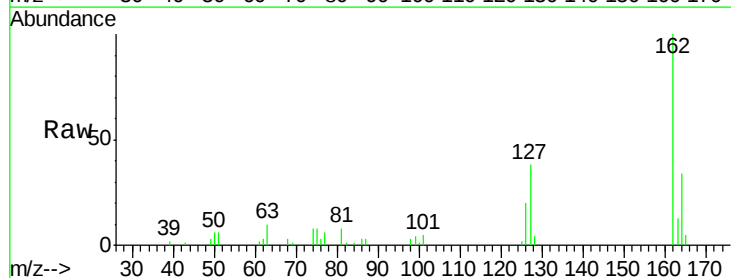


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF0

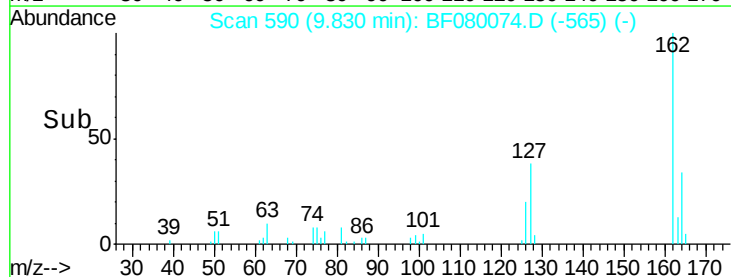
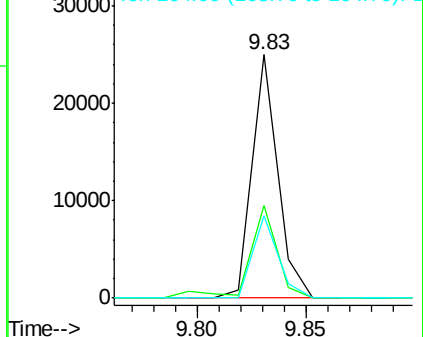


#46
 2-Chloronaphthalene
 Concen: 3.21 ng
 RT: 9.83 min Scan# 590
 Delta R.T. -0.01 min
 Lab File: BF080074.D
 Acq: 20 Jun 2015 1:40

Tgt Ion	Ratio	Lower	Upper
162	100		
127	37.8	27.6	41.4
164	34.0	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

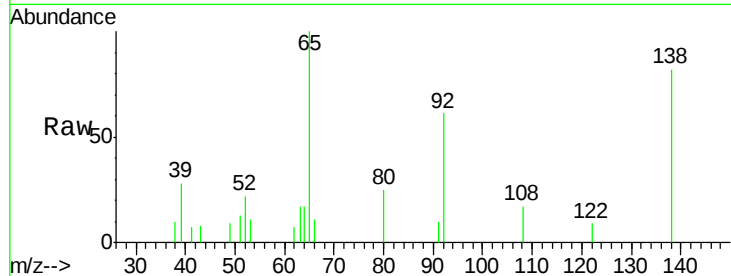




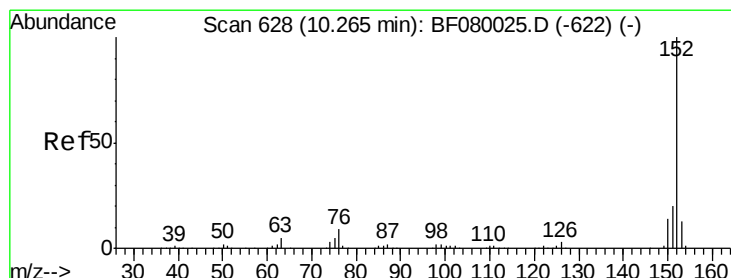
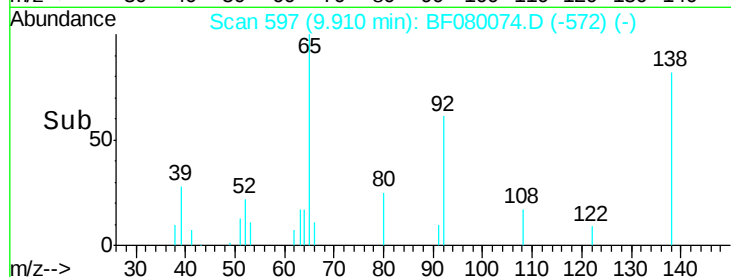
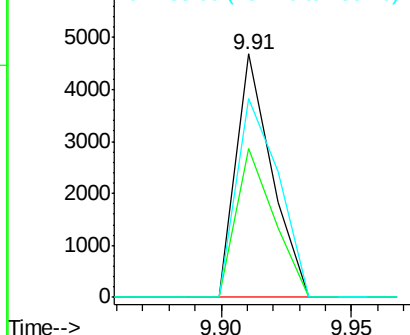
#47
2-Nitroaniline
Concen: 2.55 ng
RT: 9.91 min Scan# 597
Delta R.T. -0.01 min
Lab File: BF080074.D
Acq: 20 Jun 2015 1:40

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2015-01

Tgt Ion: 65 Resp: 4467
Ion Ratio Lower Upper
65 100
92 61.2 55.4 83.0
138 81.8 115.5 173.3#

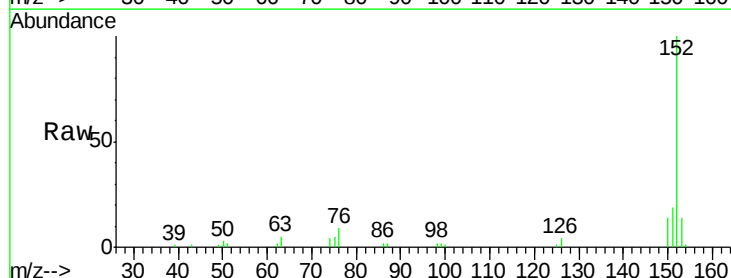


Abundance Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0
Ion 138.00 (137.70 to 138.70): E

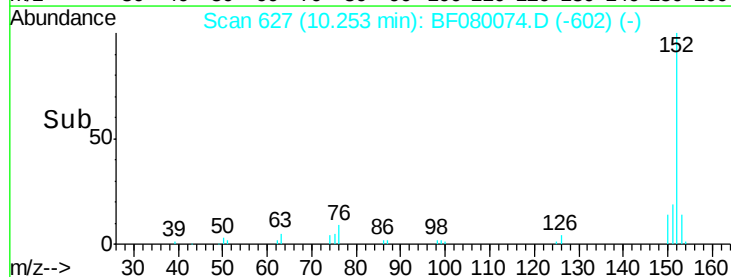
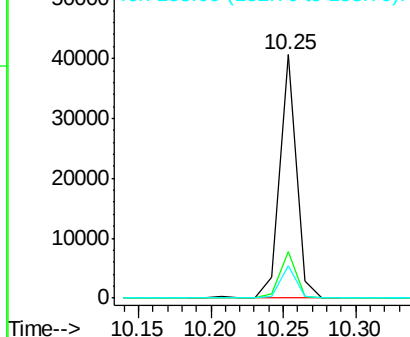


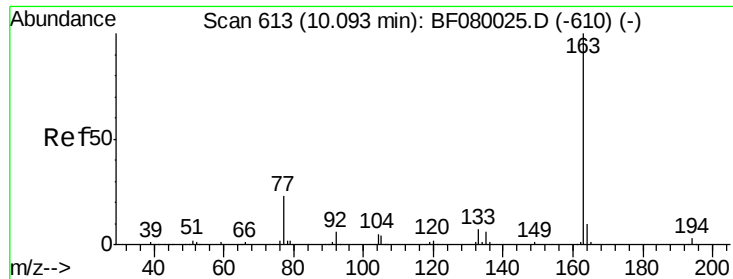
#48
Acenaphthylene
Concen: 3.05 ng
RT: 10.25 min Scan# 627
Delta R.T. -0.01 min
Lab File: BF080074.D
Acq: 20 Jun 2015 1:40

Tgt Ion: 152 Resp: 32432
Ion Ratio Lower Upper
152 100
151 19.3 14.6 22.0
153 13.5 10.3 15.5



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

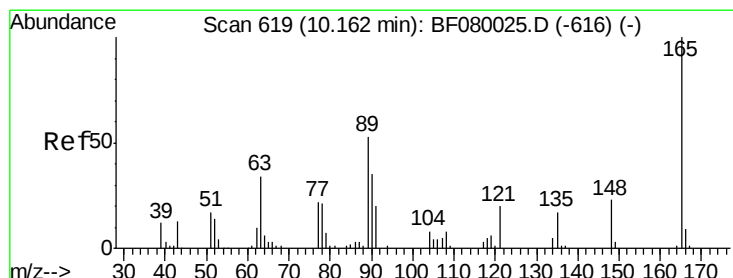
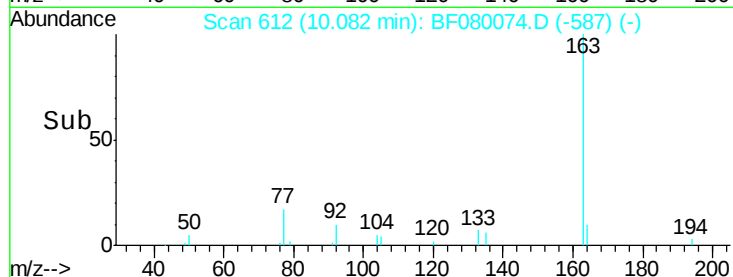
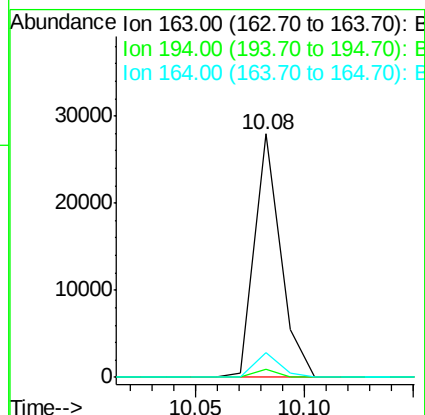
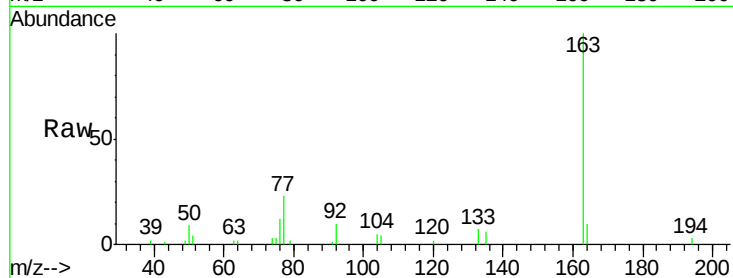




#49
Dimethylphthalate
Concen: 3.21 ng
RT: 10.08 min Scan# 612
Delta R.T. -0.01 min
Lab File: BF080074.D
Acq: 20 Jun 2015 1:40

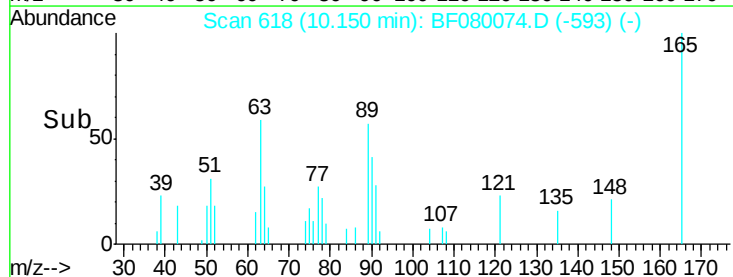
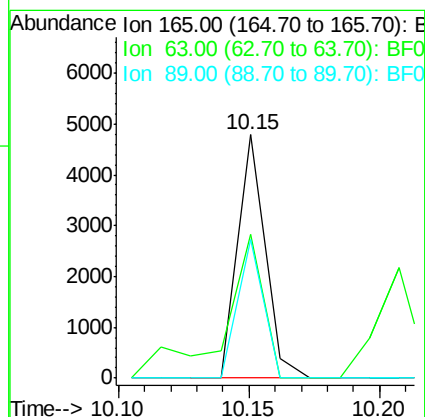
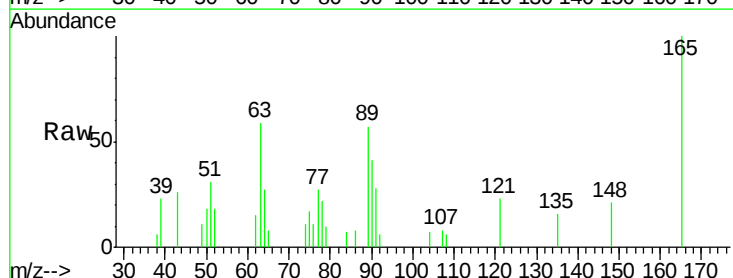
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2015-01

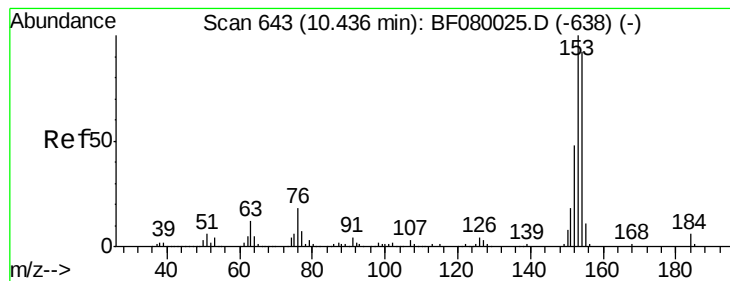
Tgt Ion:163 Resp: 23297
Ion Ratio Lower Upper
163 100
194 3.2 4.4 6.6#
164 10.1 8.3 12.5



#50
2,6-Dinitrotoluene
Concen: 2.44 ng
RT: 10.15 min Scan# 618
Delta R.T. -0.01 min
Lab File: BF080074.D
Acq: 20 Jun 2015 1:40

Tgt Ion:165 Resp: 3555
Ion Ratio Lower Upper
165 100
63 59.1 32.3 48.5#
89 56.9 28.6 43.0#





#51

Acenaphthene

Concen: 3.06 ng

RT: 10.42 min Scan# 642

Delta R.T. -0.01 min

Lab File: BF080074.D

Acq: 20 Jun 2015 1:40

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2015-01

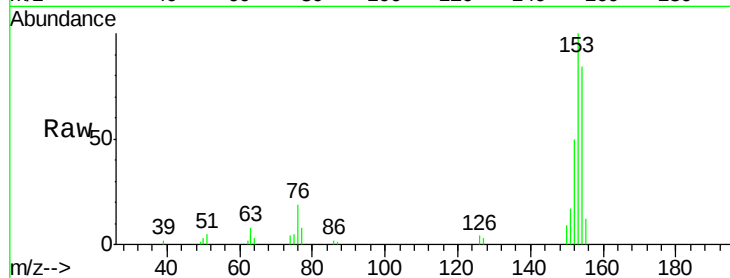
Tgt Ion:154 Resp: 19912

Ion Ratio Lower Upper

154 100

153 118.8 82.1 123.1

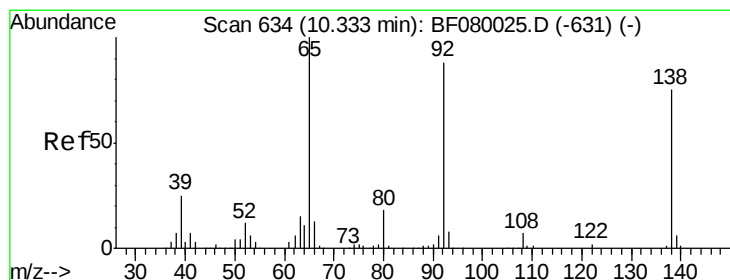
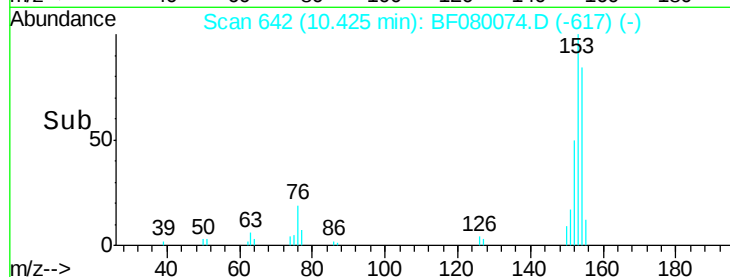
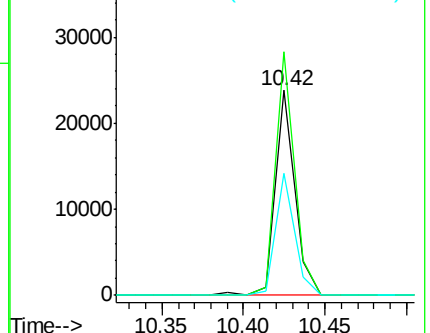
152 59.8 37.9 56.9#



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: 2.25 ng

RT: 10.32 min Scan# 633

Delta R.T. -0.01 min

Lab File: BF080074.D

Acq: 20 Jun 2015 1:40

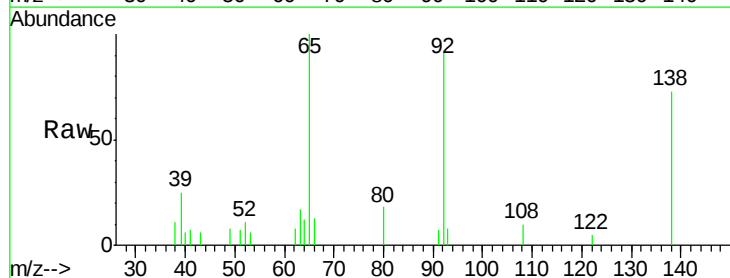
Tgt Ion:138 Resp: 3780

Ion Ratio Lower Upper

138 100

108 14.2 5.7 8.5#

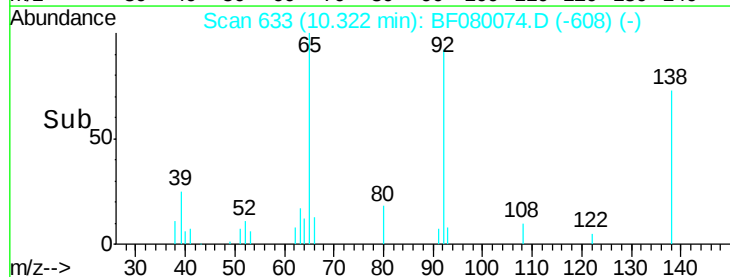
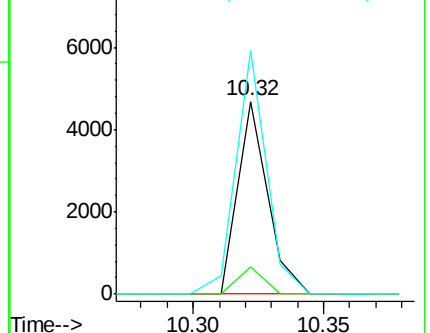
92 126.4 67.7 101.5#

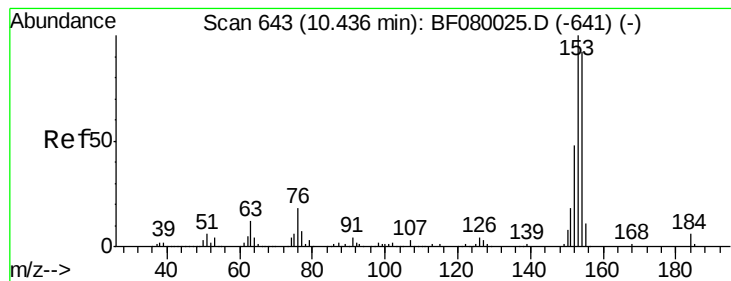


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0





#53

2,4-Dinitrophenol

Concen: 6.36 ng

RT: 10.44 min Scan# 643

Delta R.T. 0.00 min

Lab File: BF080074.D

Acq: 20 Jun 2015 1:40

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2015-01

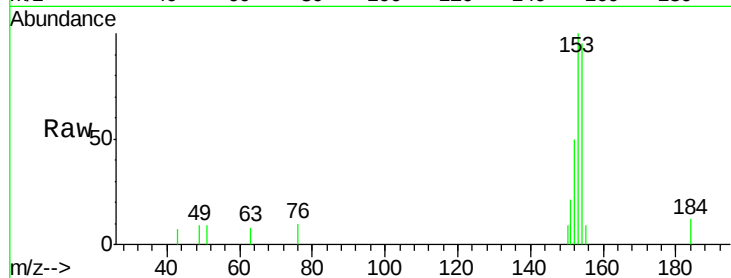
Tgt Ion:184 Resp: 340

Ion Ratio Lower Upper

184 100

63 63.9 35.4 53.2#

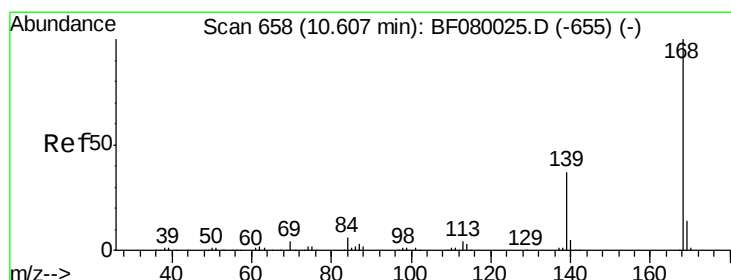
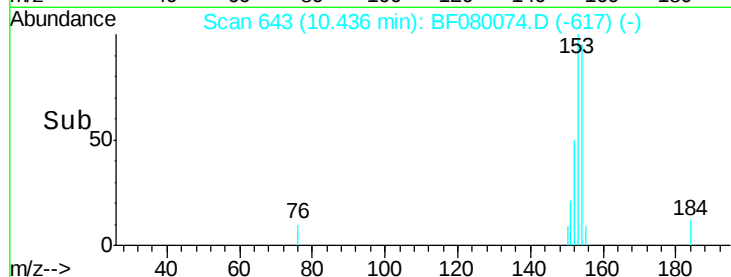
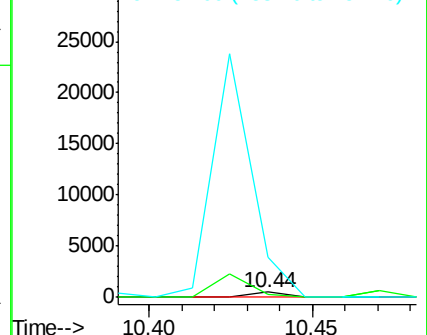
154 788.5 32.2 48.4#



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: 3.50 ng

RT: 10.60 min Scan# 657

Delta R.T. -0.01 min

Lab File: BF080074.D

Acq: 20 Jun 2015 1:40

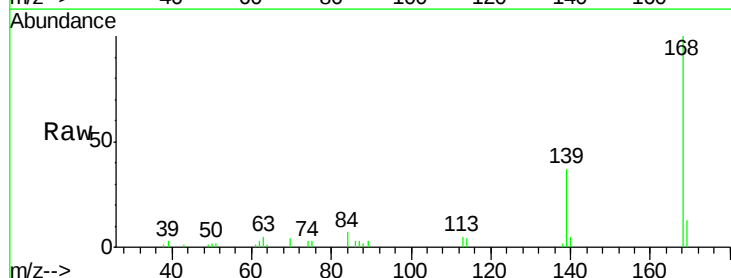
Tgt Ion:168 Resp: 32322

Ion Ratio Lower Upper

168 100

139 36.7 24.2 36.2#

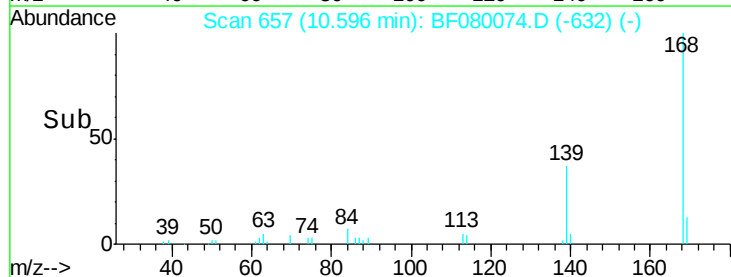
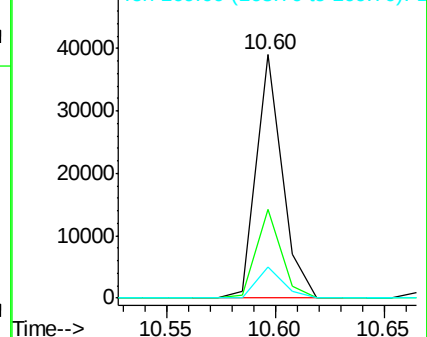
169 13.0 10.6 15.8



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

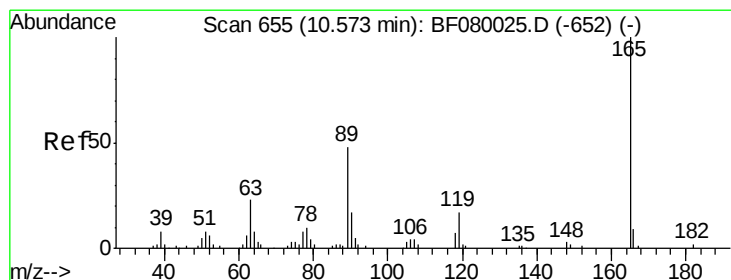
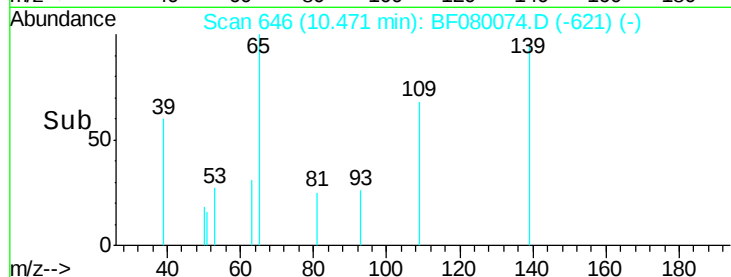
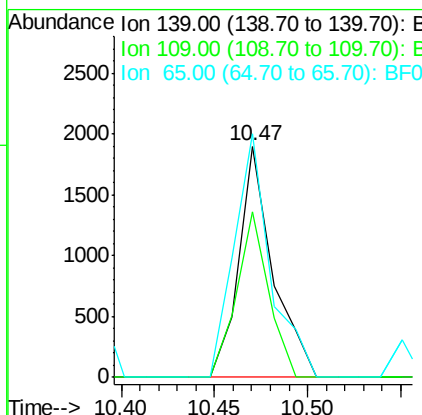
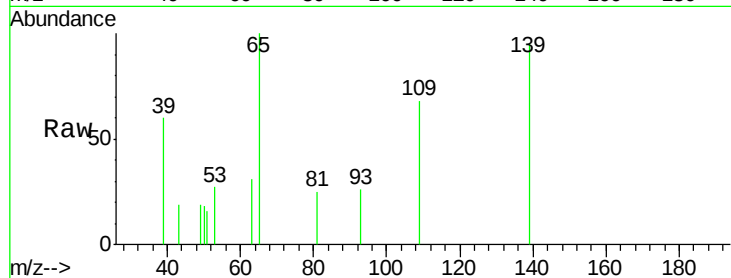




#55
4-Nitrophenol
Concen: 1.81 ng
RT: 10.47 min Scan# 646
Delta R.T. -0.01 min
Lab File: BF080074.D
Acq: 20 Jun 2015 1:40

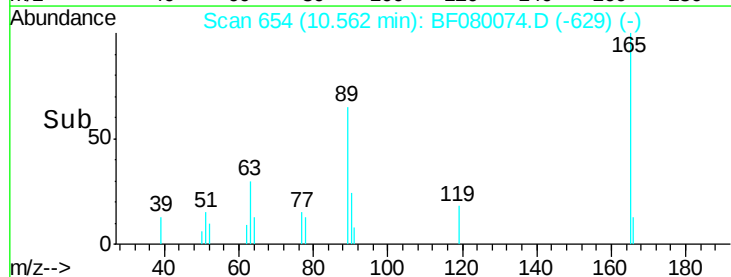
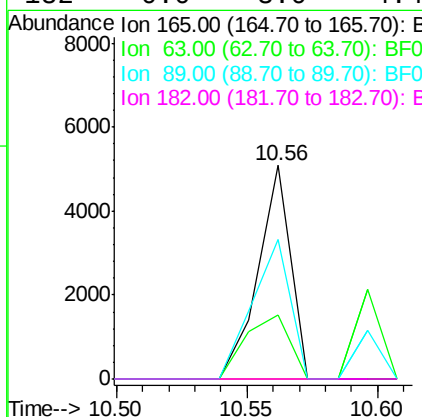
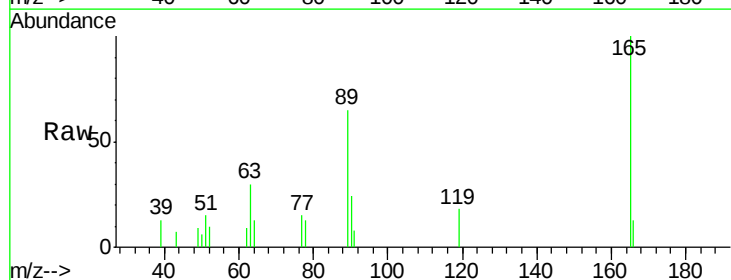
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2015-01

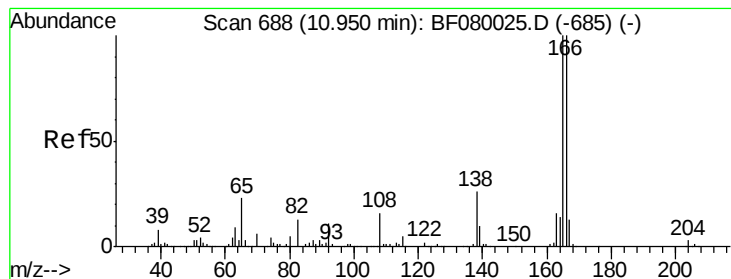
Tgt Ion:139 Resp: 2429
Ion Ratio Lower Upper
139 100
109 71.7 12.7 52.7#
65 105.2 45.9 85.9#



#56
2,4-Dinitrotoluene
Concen: 2.41 ng
RT: 10.56 min Scan# 654
Delta R.T. -0.01 min
Lab File: BF080074.D
Acq: 20 Jun 2015 1:40

Tgt Ion:165 Resp: 4443
Ion Ratio Lower Upper
165 100
63 29.9 29.8 44.6
89 65.4 44.5 66.7
182 0.0 3.0 4.4#





#57

Fluorene

Concen: 3.15 ng

RT: 10.94 min Scan# 687

Delta R.T. -0.01 min

Lab File: BF080074.D

Acq: 20 Jun 2015 1:40

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2015-01

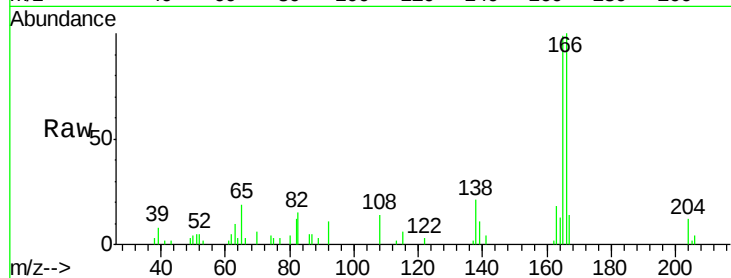
Tgt Ion:166 Resp: 23093

Ion Ratio Lower Upper

166 100

165 99.4 72.6 109.0

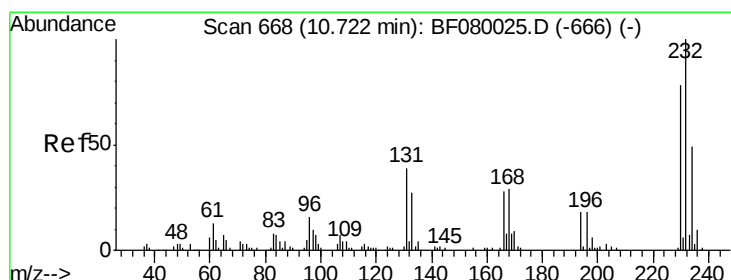
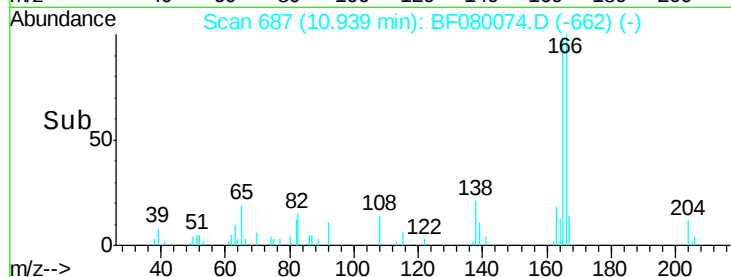
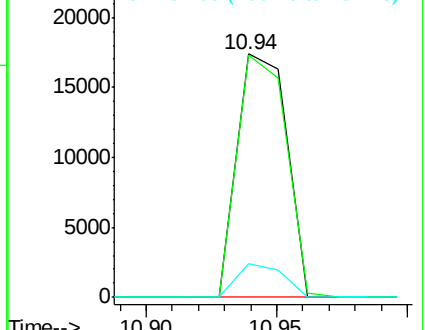
167 13.7 10.6 16.0



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: 2.71 ng

RT: 10.71 min Scan# 667

Delta R.T. -0.01 min

Lab File: BF080074.D

Acq: 20 Jun 2015 1:40

Tgt Ion:232 Resp: 5039

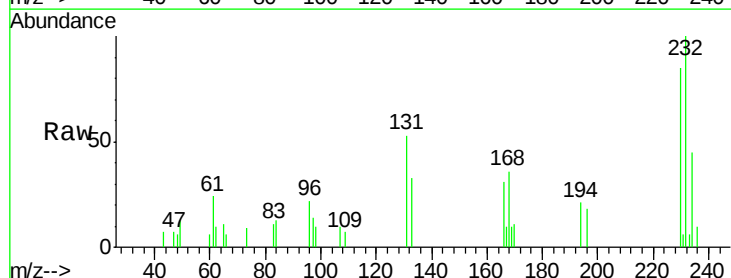
Ion Ratio Lower Upper

232 100

131 44.8 38.5 57.7

130 0.0 1.8 2.6#

166 27.4 25.0 37.6

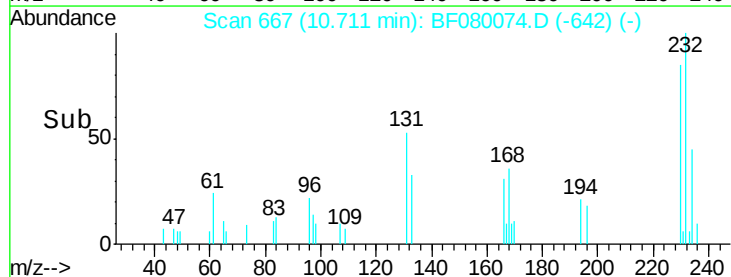
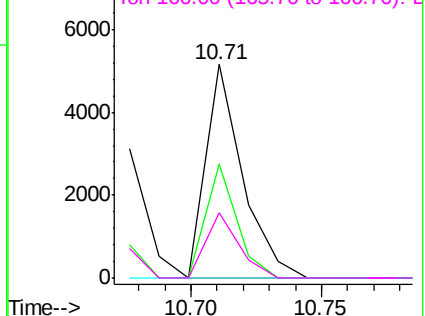


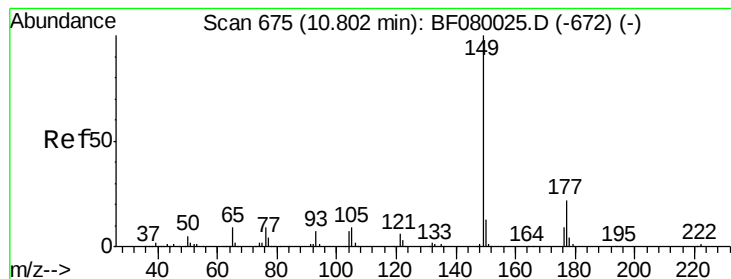
Abundance Ion 232.00 (231.70 to 232.70): E

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: 3.40 ng

RT: 10.79 min Scan# 674

Delta R.T. -0.01 min

Lab File: BF080074.D

Acq: 20 Jun 2015 1:40

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2015-01

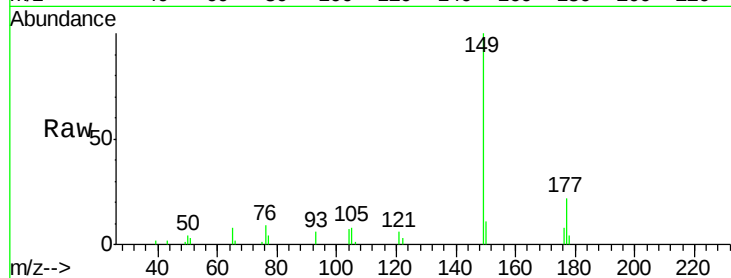
Tgt Ion:149 Resp: 24835

Ion Ratio Lower Upper

149 100

177 22.1 17.5 26.3

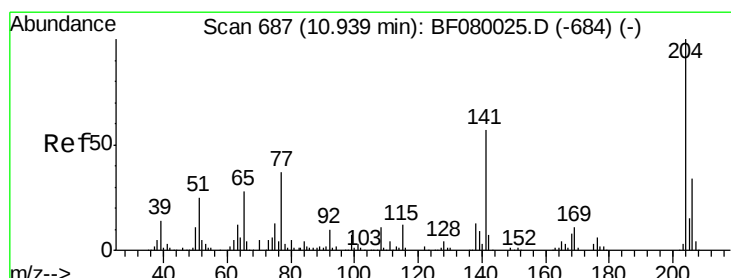
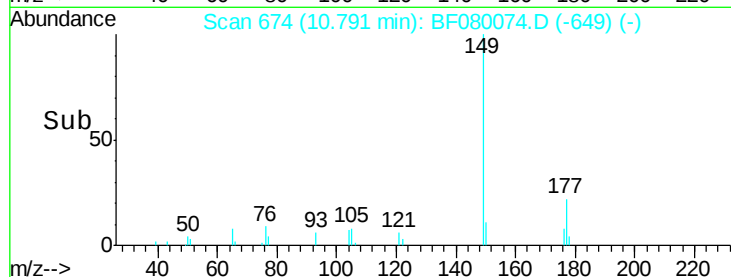
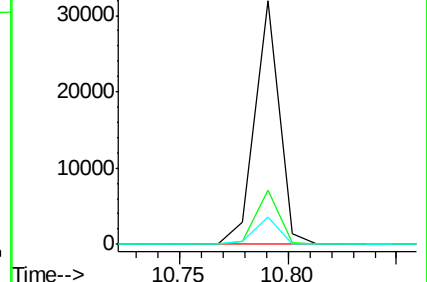
150 11.4 9.4 14.2



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: 3.37 ng

RT: 10.93 min Scan# 686

Delta R.T. -0.01 min

Lab File: BF080074.D

Acq: 20 Jun 2015 1:40

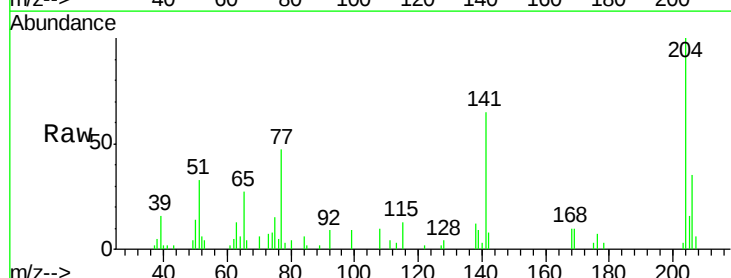
Tgt Ion:204 Resp: 11845

Ion Ratio Lower Upper

204 100

206 34.5 24.8 37.2

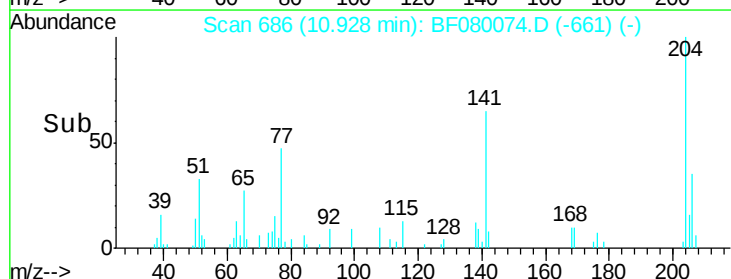
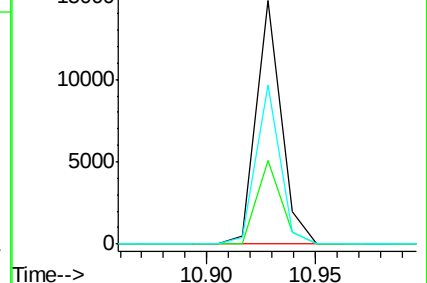
141 65.1 42.2 63.4#

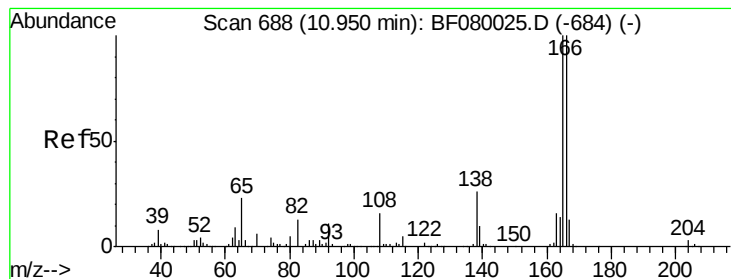


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E

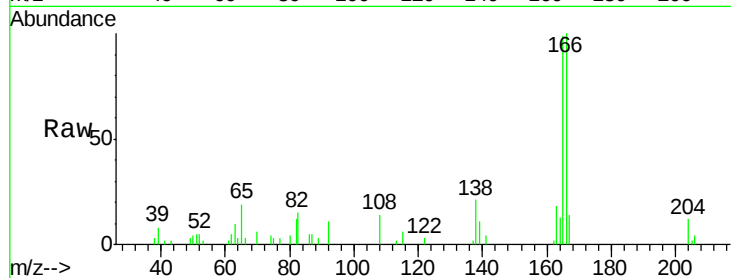




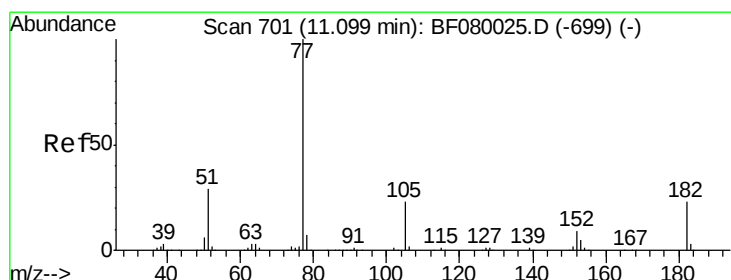
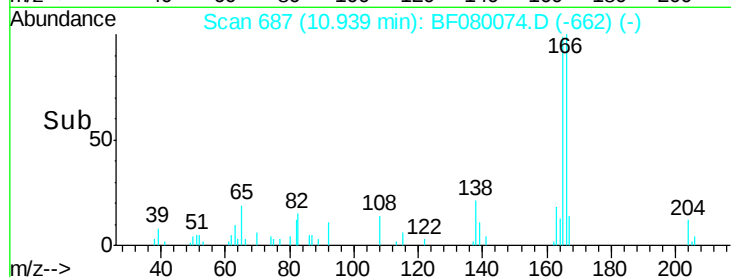
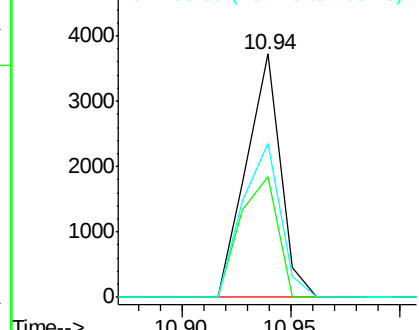
#61
4-Nitroaniline
Concen: 2.35 ng
RT: 10.94 min Scan# 687
Delta R.T. -0.01 min
Lab File: BF080074.D
Acq: 20 Jun 2015 1:40

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2015-01

Tgt Ion:138 Resp: 4065
Ion Ratio Lower Upper
138 100
92 49.7 12.6 52.6
108 63.4 12.4 52.4#

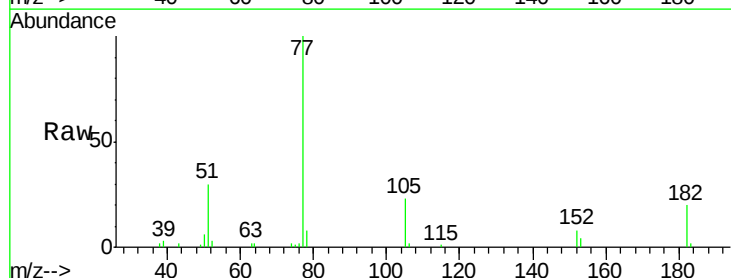


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BF0
Ion 108.00 (107.70 to 108.70): E

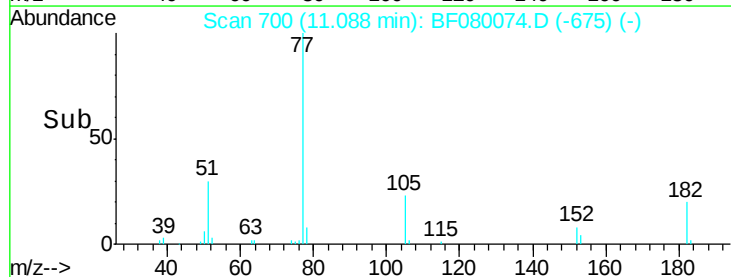
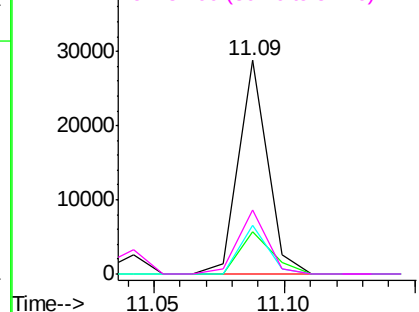


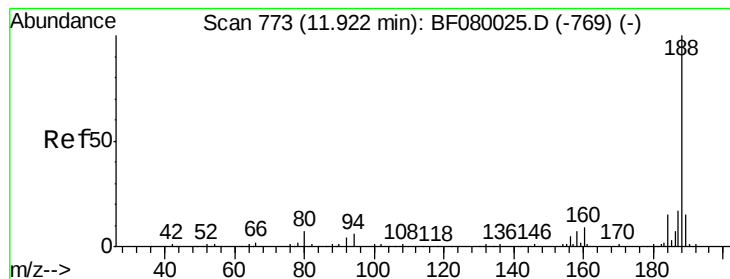
#62
Azobenzene
Concen: 3.02 ng
RT: 11.09 min Scan# 700
Delta R.T. -0.01 min
Lab File: BF080074.D
Acq: 20 Jun 2015 1:40

Tgt Ion: 77 Resp: 22487
Ion Ratio Lower Upper
77 100
182 19.8 15.1 55.1
105 23.0 3.4 43.4
51 30.0 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: 11.90 min Scan# 771

Delta R.T. -0.01 min

Lab File: BF080074.D

Acq: 20 Jun 2015 1:40

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2015-01

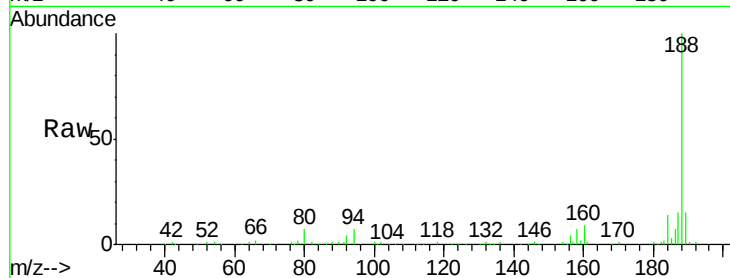
Tgt Ion:188 Resp: 204905

Ion Ratio Lower Upper

188 100

94 6.8 11.1 16.7#

80 7.4 11.0 16.4#

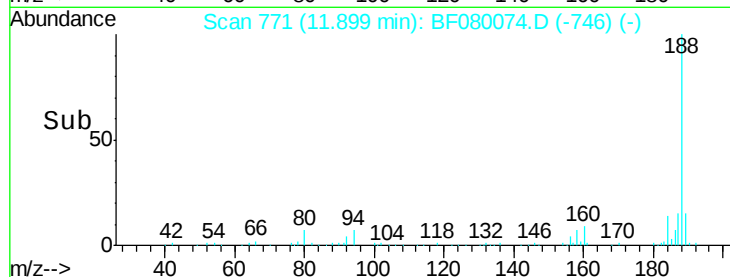


Abundance Ion 188.00 (187.70 to 188.70): E

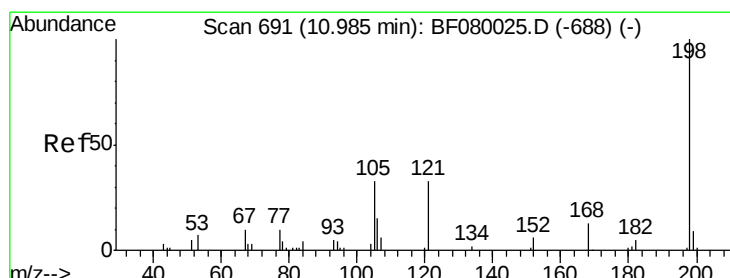
Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

Time-->



Time-->



#64

4,6-Dinitro-2-methylphenol

Concen: 4.75 ng

RT: 10.97 min Scan# 690

Delta R.T. -0.01 min

Lab File: BF080074.D

Acq: 20 Jun 2015 1:40

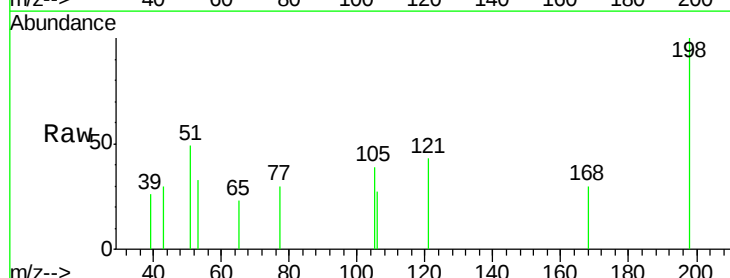
Tgt Ion:198 Resp: 1040

Ion Ratio Lower Upper

198 100

51 49.4 39.6 79.6

105 39.3 28.5 68.5

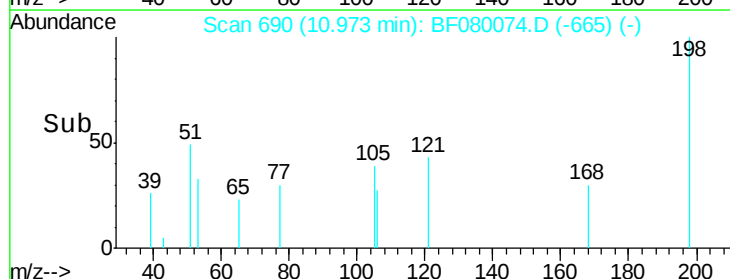


Abundance Ion 198.00 (197.70 to 198.70): E

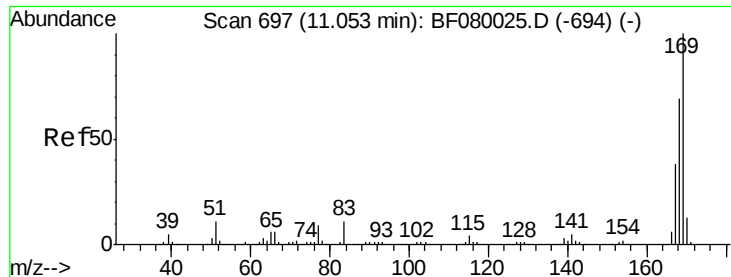
Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E

Time-->



Time-->



#65

n-Nitrosodiphenylamine

Concen: 3.16 ng

RT: 11.04 min Scan# 696

Delta R.T. -0.01 min

Lab File: BF080074.D

Acq: 20 Jun 2015 1:40

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2015-01

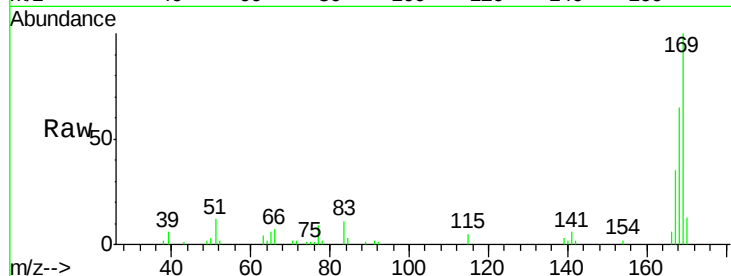
Tgt Ion:169 Resp: 21081

Ion Ratio Lower Upper

169 100

168 65.4 48.9 73.3

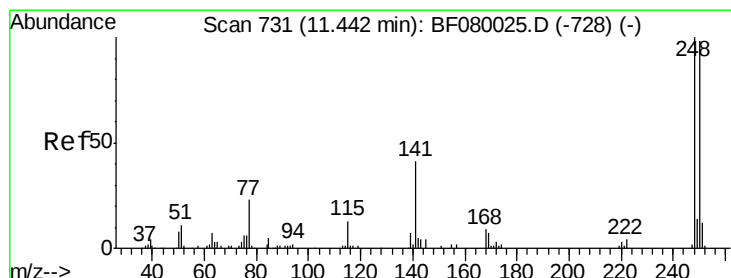
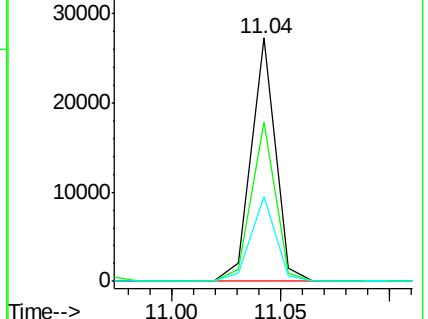
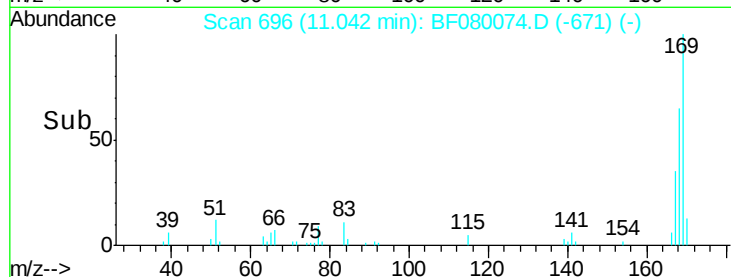
167 35.1 26.2 39.4



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: 3.06 ng

RT: 11.43 min Scan# 730

Delta R.T. 0.00 min

Lab File: BF080074.D

Acq: 20 Jun 2015 1:40

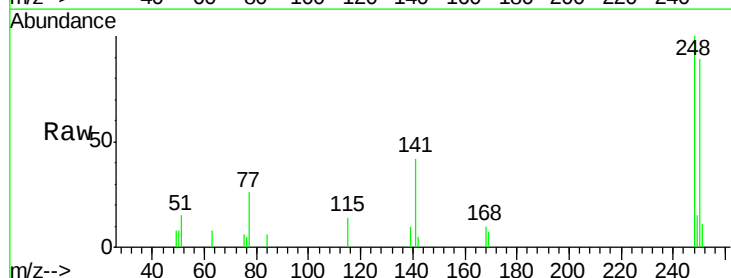
Tgt Ion:248 Resp: 6667

Ion Ratio Lower Upper

248 100

250 88.7 78.5 117.7

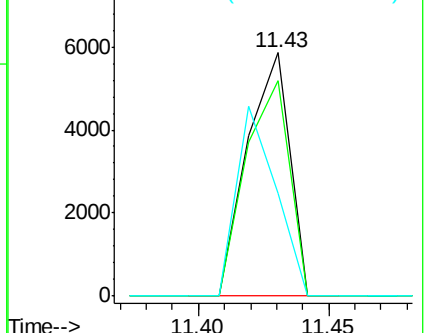
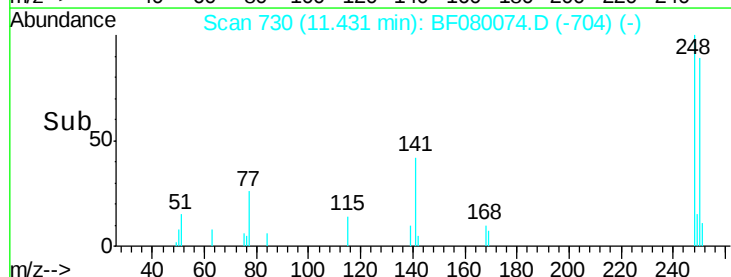
141 42.4 59.0 88.6#

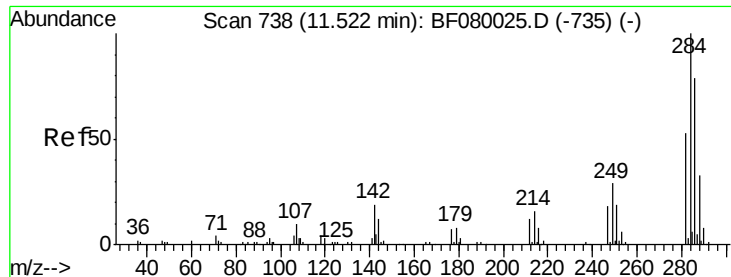


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

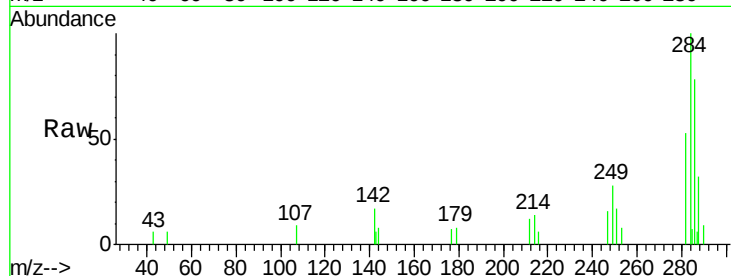




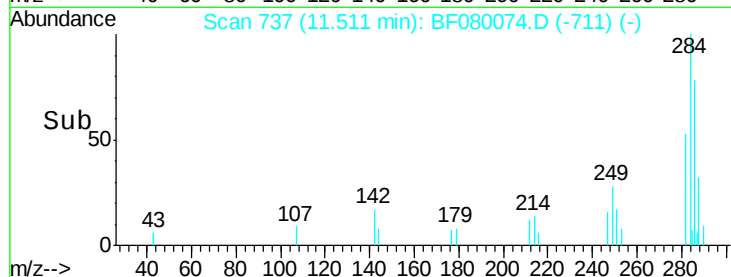
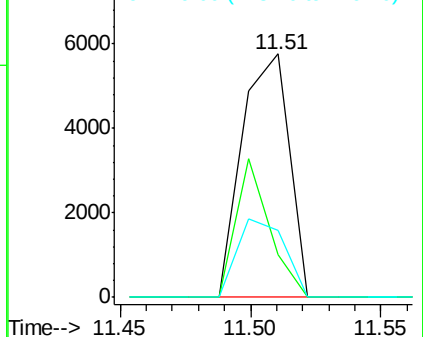
#67
Hexachlorobenzene
Concen: 3.01 ng
RT: 11.51 min Scan# 737
Delta R.T. 0.00 min
Lab File: BF080074.D
Acq: 20 Jun 2015 1:40

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2015-01

Tgt Ion:284 Resp: 7298
Ion Ratio Lower Upper
284 100
142 17.4 29.5 44.3#
249 27.5 19.5 29.3

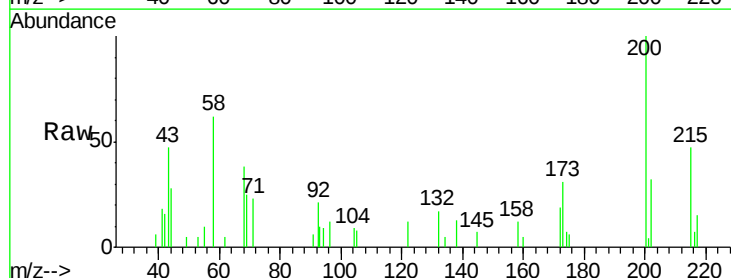


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

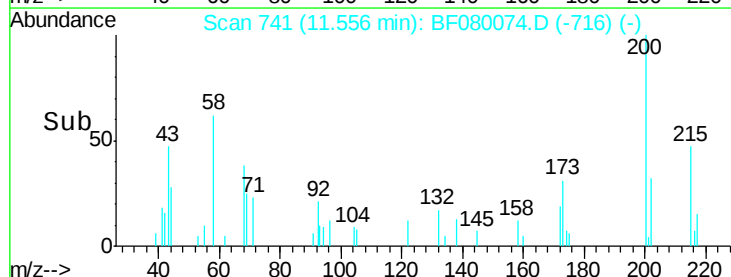
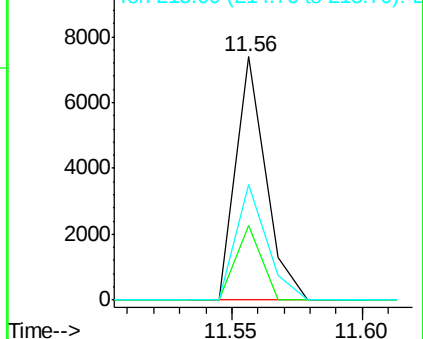


#68
Atrazine
Concen: 2.83 ng
RT: 11.56 min Scan# 741
Delta R.T. -0.01 min
Lab File: BF080074.D
Acq: 20 Jun 2015 1:40

Tgt Ion:200 Resp: 5971
Ion Ratio Lower Upper
200 100
173 30.7 13.2 53.2
215 47.5 41.8 81.8



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

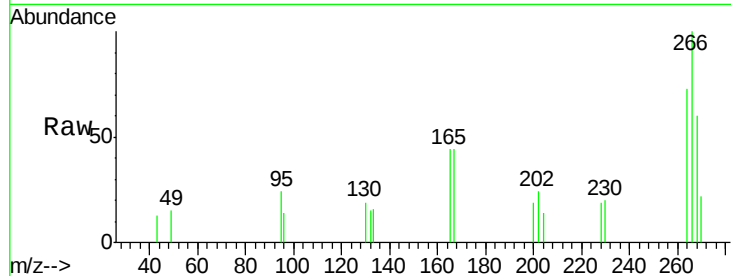




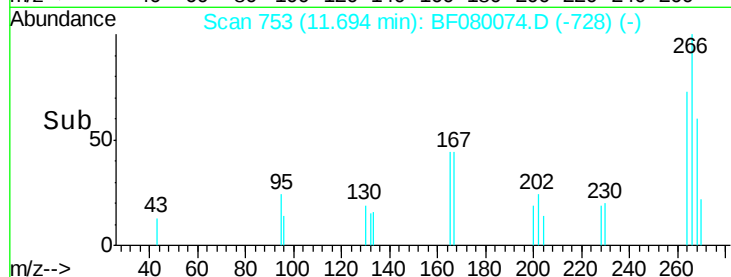
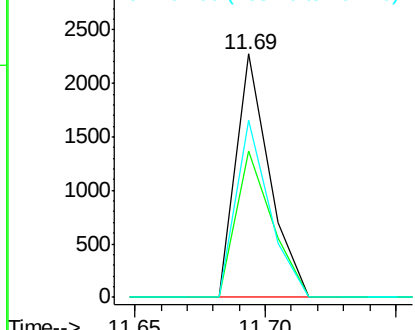
#69
 Pentachlorophenol
 Concen: 1.49 ng
 RT: 11.69 min Scan# 753
 Delta R.T. -0.01 min
 Lab File: BF080074.D
 Acq: 20 Jun 2015 1:40

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2015-01

Tgt Ion:266 Resp: 2042
 Ion Ratio Lower Upper
 266 100
 268 60.2 49.8 74.6
 264 72.6 50.2 75.2

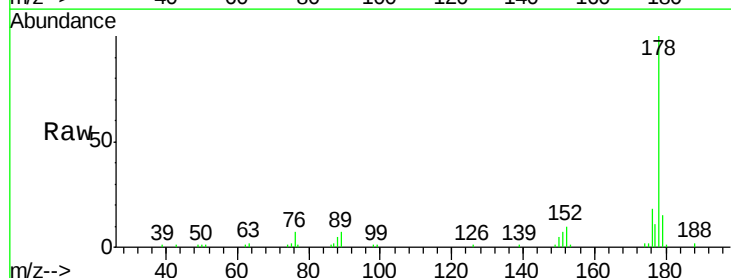


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

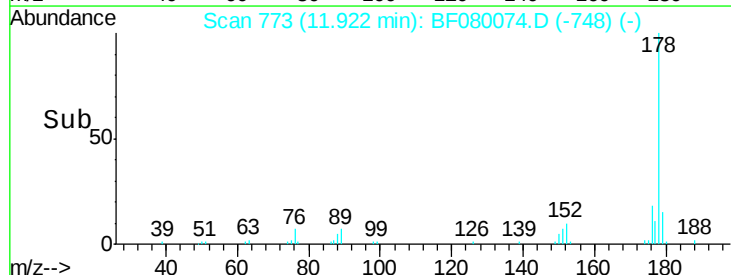
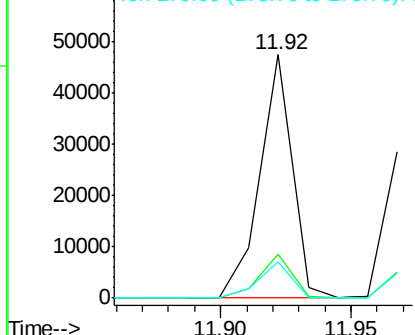


#70
 Phenanthrene
 Concen: 3.28 ng
 RT: 11.92 min Scan# 773
 Delta R.T. -0.01 min
 Lab File: BF080074.D
 Acq: 20 Jun 2015 1:40

Tgt Ion:178 Resp: 40689
 Ion Ratio Lower Upper
 178 100
 176 18.2 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

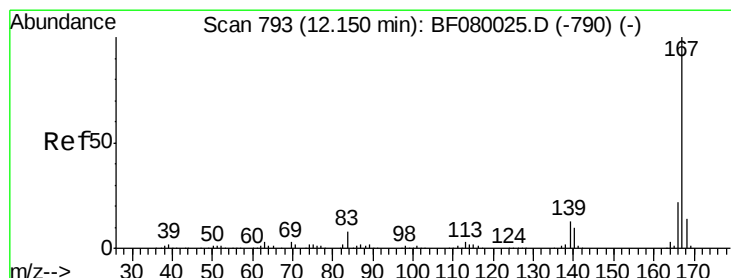
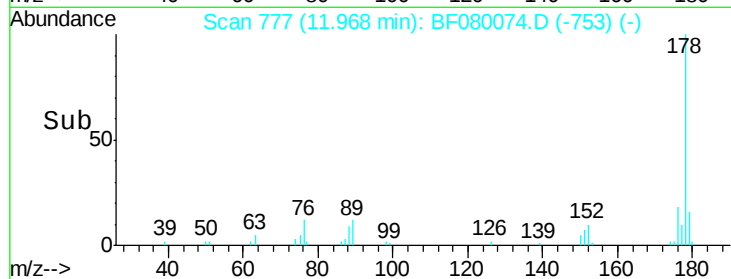
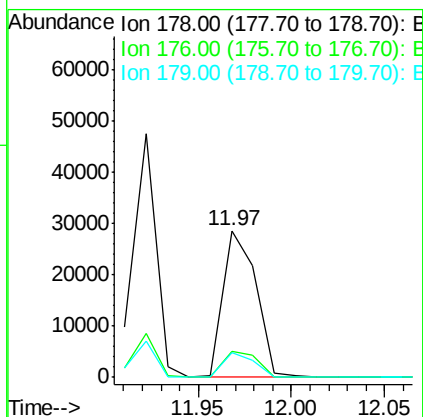
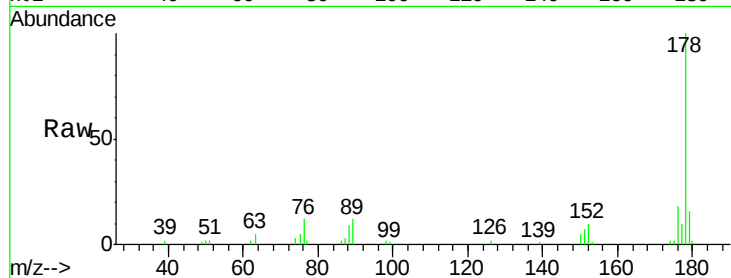




#71
 Anthracene
 Concen: 2.98 ng
 RT: 11.97 min Scan# 777
 Delta R.T. -0.02 min
 Lab File: BF080074.D
 Acq: 20 Jun 2015 1:40

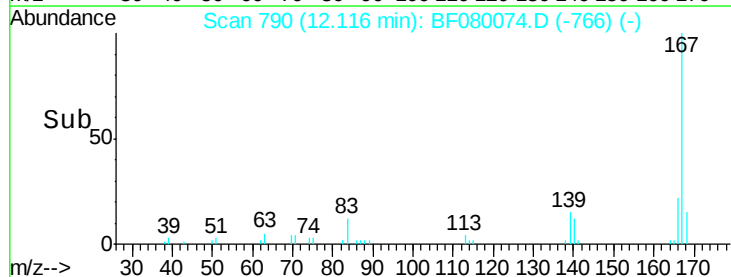
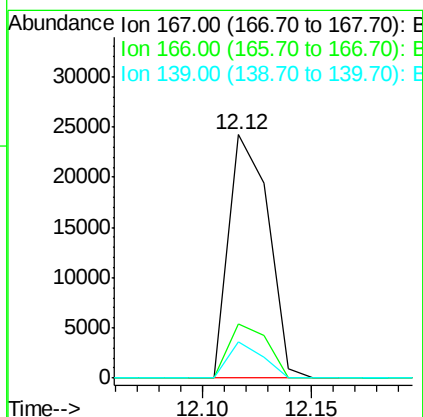
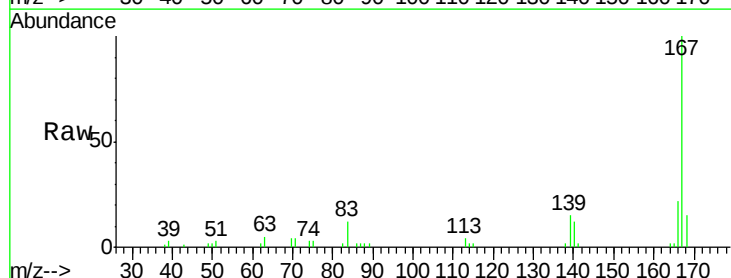
Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2015-01

Tgt Ion:178 Resp: 35582
 Ion Ratio Lower Upper
 178 100
 176 17.9 14.1 21.1
 179 16.4 12.2 18.2



#72
 Carbazole
 Concen: 2.69 ng
 RT: 12.12 min Scan# 790
 Delta R.T. -0.02 min
 Lab File: BF080074.D
 Acq: 20 Jun 2015 1:40

Tgt Ion:167 Resp: 30634
 Ion Ratio Lower Upper
 167 100
 166 22.4 15.7 23.5
 139 15.0 9.5 14.3#

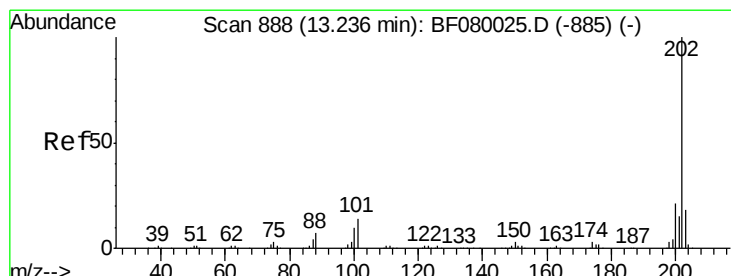
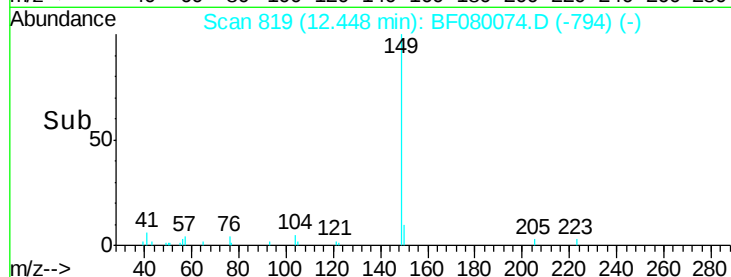
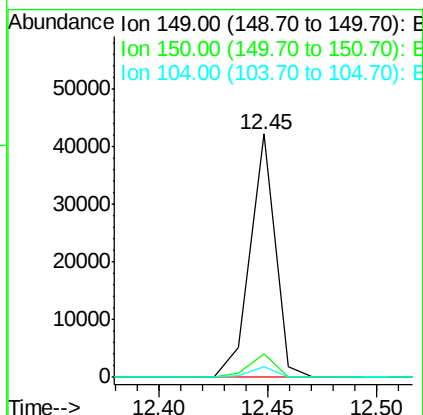
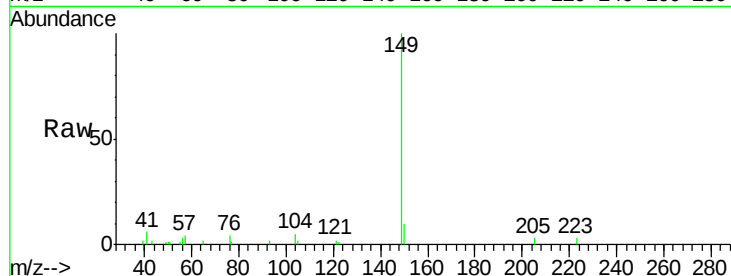




#73
Di-n-butylphthalate
Concen: 2.56 ng
RT: 12.45 min Scan# 819
Delta R.T. -0.01 min
Lab File: BF080074.D
Acq: 20 Jun 2015 1:40

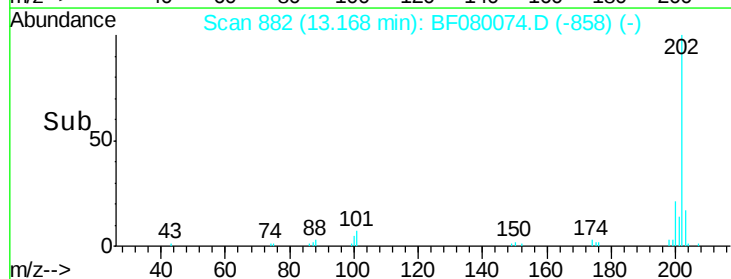
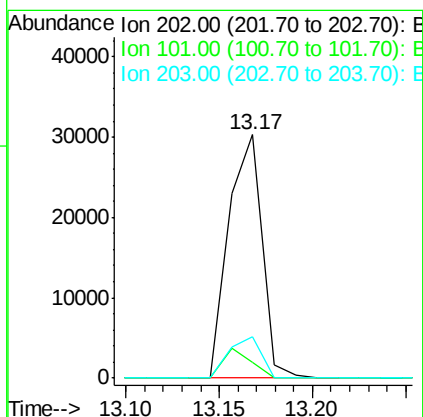
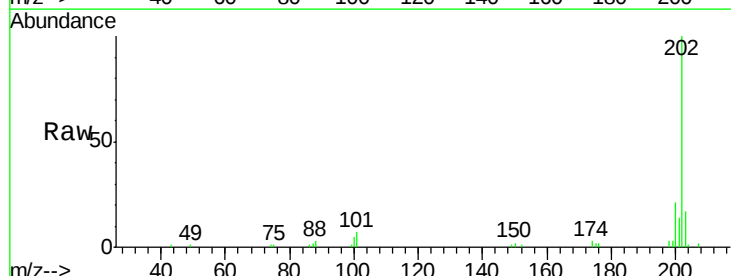
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2015-01

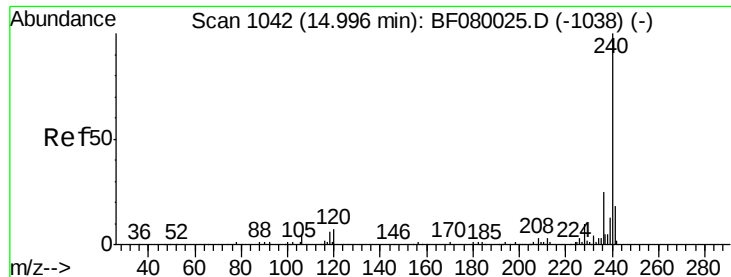
Tgt Ion:149 Resp: 33718
Ion Ratio Lower Upper
149 100
150 9.5 7.4 11.2
104 4.6 2.4 3.6#



#74
Fluoranthene
Concen: 2.88 ng
RT: 13.17 min Scan# 882
Delta R.T. -0.02 min
Lab File: BF080074.D
Acq: 20 Jun 2015 1:40

Tgt Ion:202 Resp: 37992
Ion Ratio Lower Upper
202 100
101 6.7 0.0 38.3
203 17.2 0.0 37.3





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.79 min Scan# 1024

Delta R.T. -0.07 min

Lab File: BF080074.D

Acq: 20 Jun 2015 1:40

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2015-01

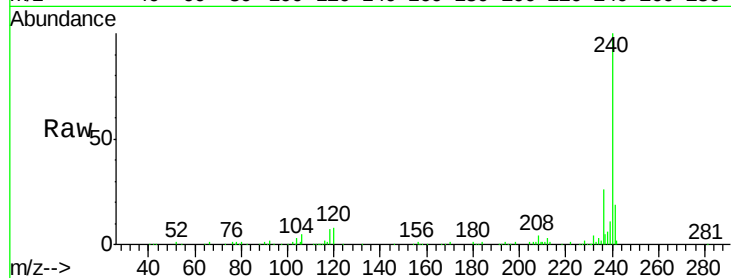
Tgt Ion:240 Resp: 222964

Ion Ratio Lower Upper

240 100

120 8.2 16.2 24.2#

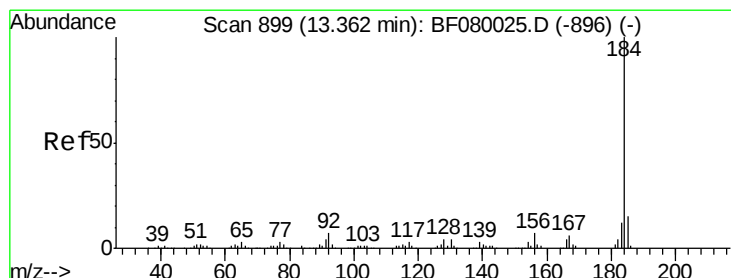
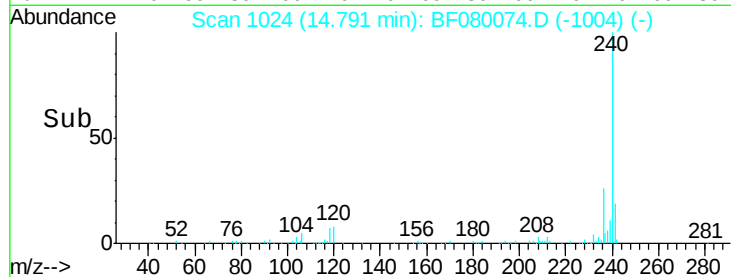
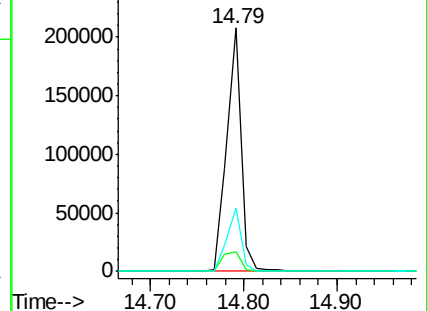
236 25.8 18.4 27.6



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: 1.15 ng

RT: 13.28 min Scan# 892

Delta R.T. -0.02 min

Lab File: BF080074.D

Acq: 20 Jun 2015 1:40

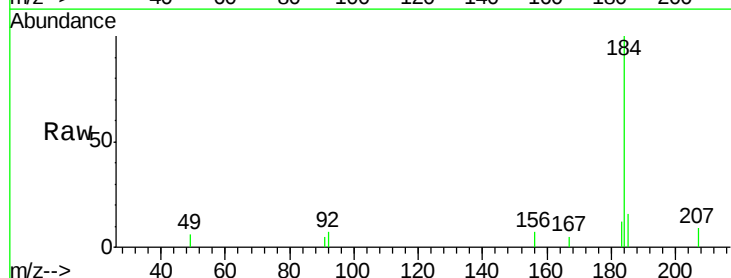
Tgt Ion:184 Resp: 7142

Ion Ratio Lower Upper

184 100

185 16.5 11.8 17.6

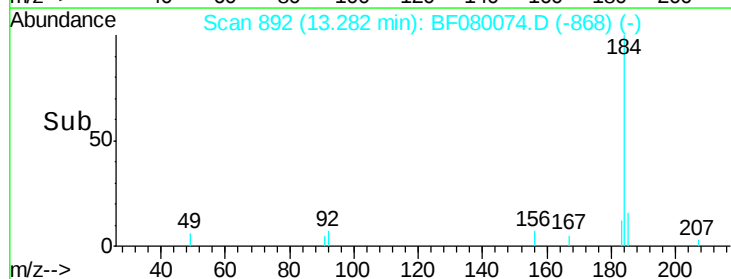
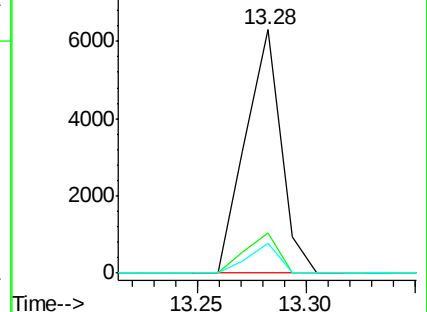
183 12.4 7.6 11.4#



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

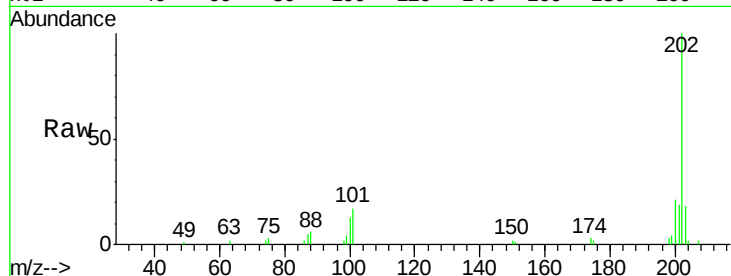




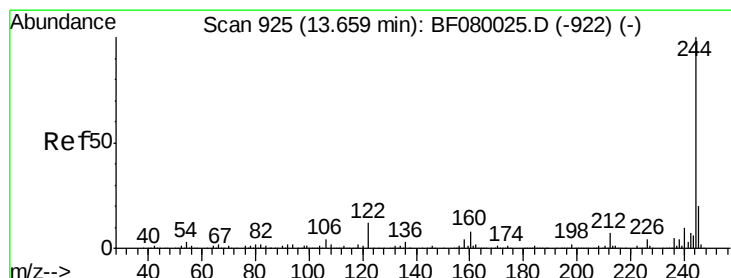
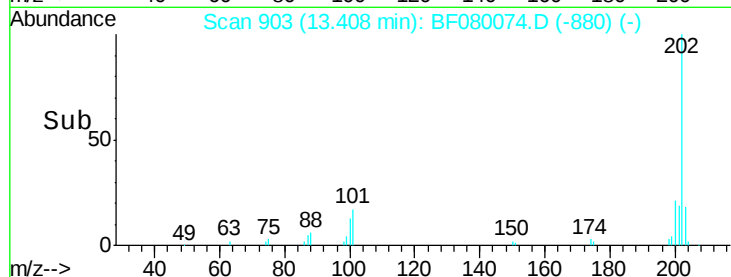
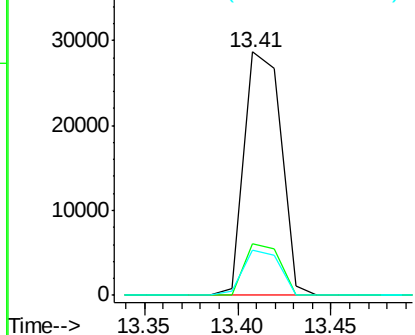
#77
 Pyrene
 Concen: 2.86 ng
 RT: 13.41 min Scan# 903
 Delta R.T. -0.03 min
 Lab File: BF080074.D
 Acq: 20 Jun 2015 1:40

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2015-01

Tgt Ion: 202 Resp: 39323
 Ion Ratio Lower Upper
 202 100
 200 21.4 15.0 22.4
 203 18.5 14.1 21.1

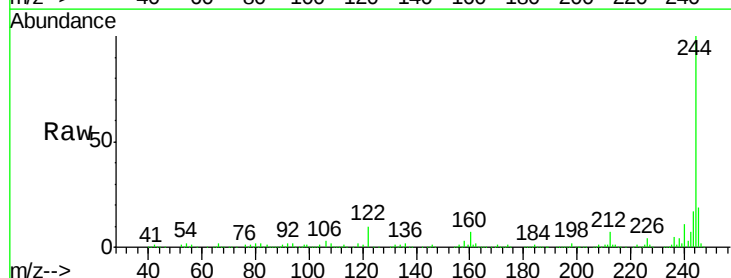


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 200.00 (199.70 to 200.70): E
 Ion 203.00 (202.70 to 203.70): E

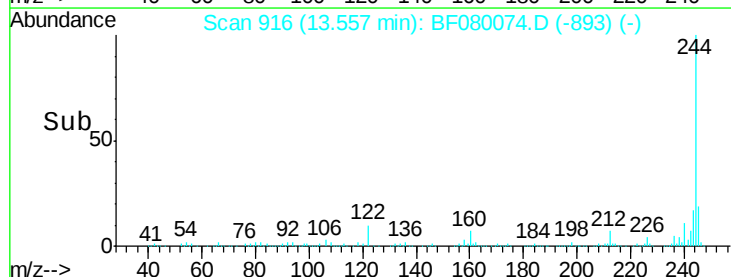
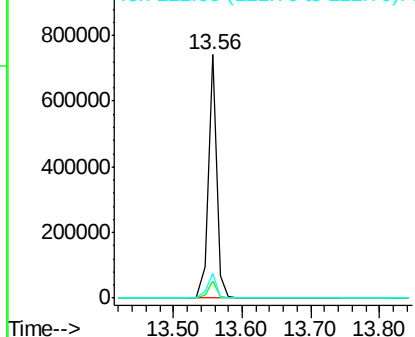


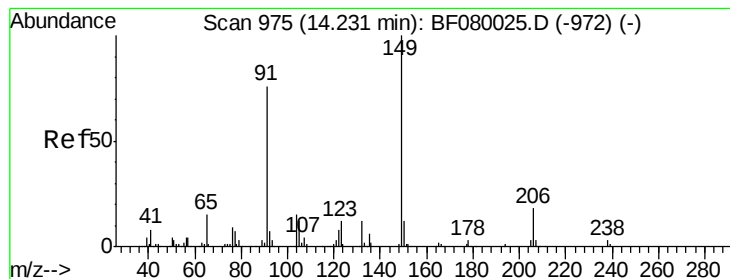
#78
 Terphenyl-d14
 Concen: 65.88 ng
 RT: 13.56 min Scan# 916
 Delta R.T. -0.03 min
 Lab File: BF080074.D
 Acq: 20 Jun 2015 1:40

Tgt Ion: 244 Resp: 628980
 Ion Ratio Lower Upper
 244 100
 212 6.9 4.3 6.5#
 122 10.0 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: 2.14 ng

RT: 14.08 min Scan# 962

Delta R.T. -0.06 min

Lab File: BF080074.D

Acq: 20 Jun 2015 1:40

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2015-01

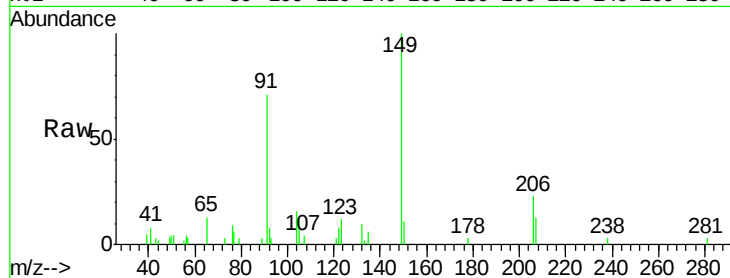
Tgt Ion:149 Resp: 11824

Ion Ratio Lower Upper

149 100

91 71.4 48.6 72.8

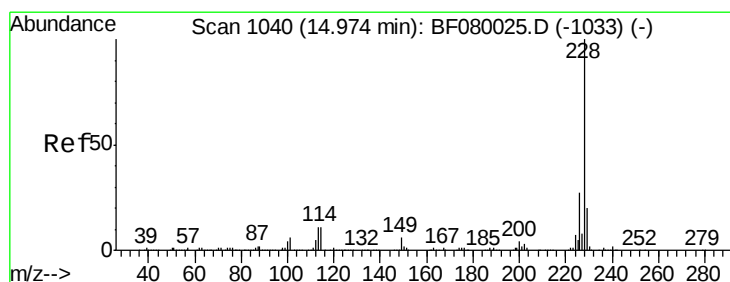
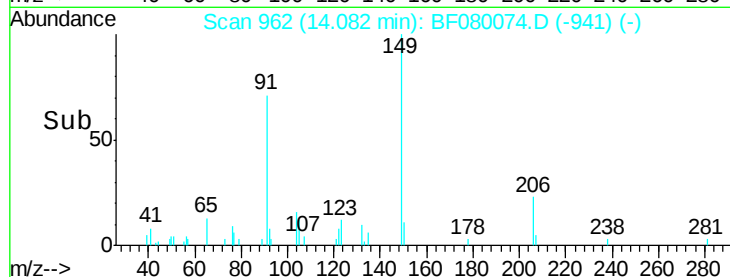
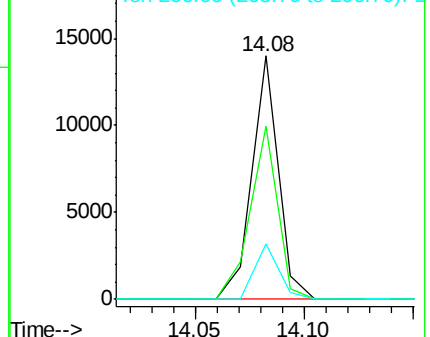
206 22.7 14.9 22.3#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E



#80

Benzo(a)anthracene

Concen: 3.07 ng

RT: 14.78 min Scan# 1023

Delta R.T. -0.07 min

Lab File: BF080074.D

Acq: 20 Jun 2015 1:40

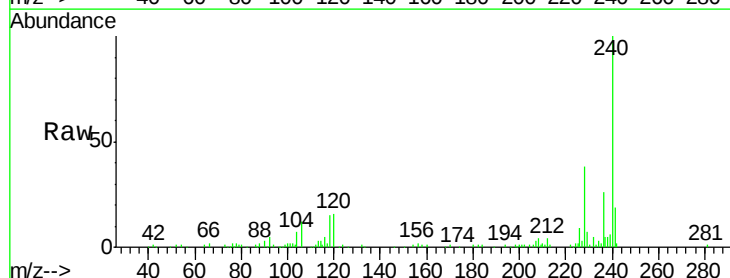
Tgt Ion:228 Resp: 41652

Ion Ratio Lower Upper

228 100

226 24.7 20.0 30.0

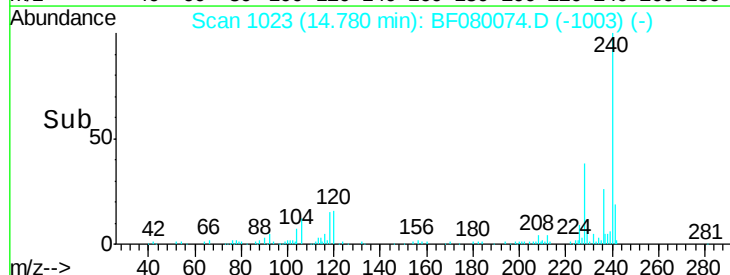
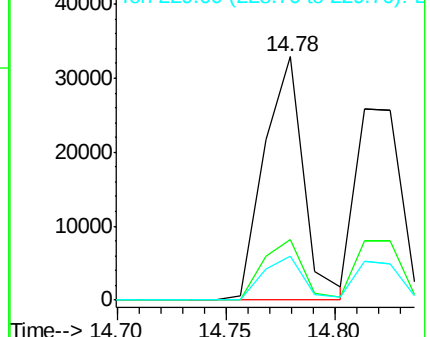
229 18.1 15.4 23.2



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

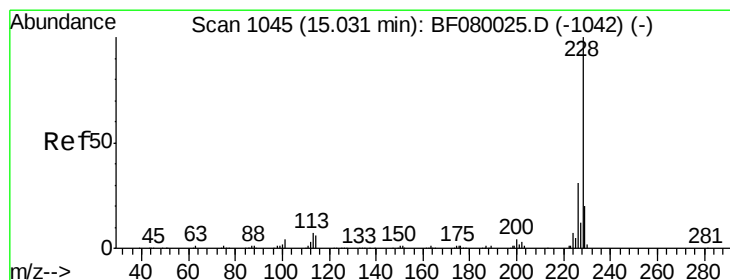
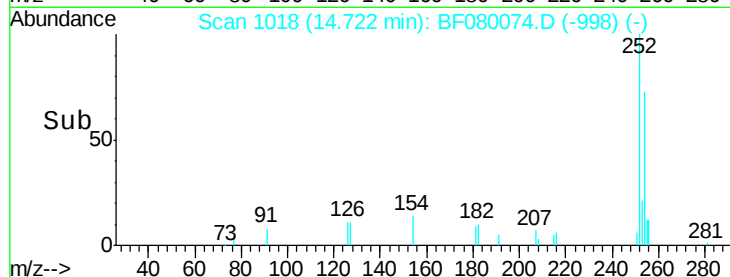
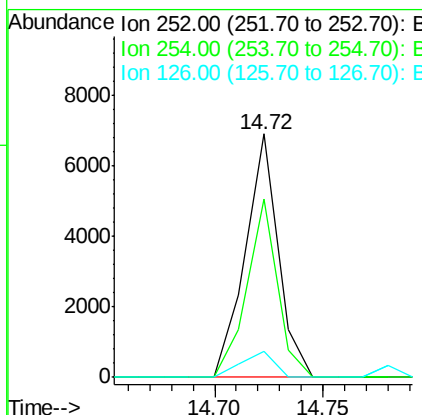
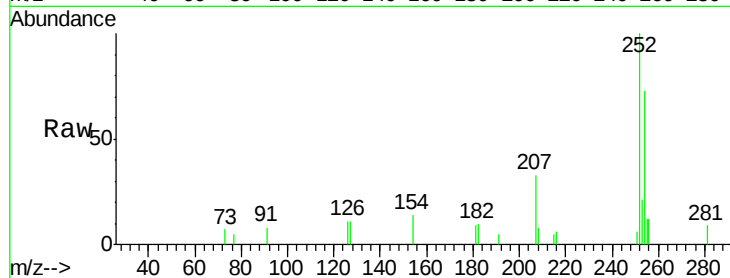




#81
 3,3'-Dichlorobenzidine
 Concen: 1.55 ng
 RT: 14.72 min Scan# 1018
 Delta R.T. -0.07 min
 Lab File: BF080074.D
 Acq: 20 Jun 2015 1:40

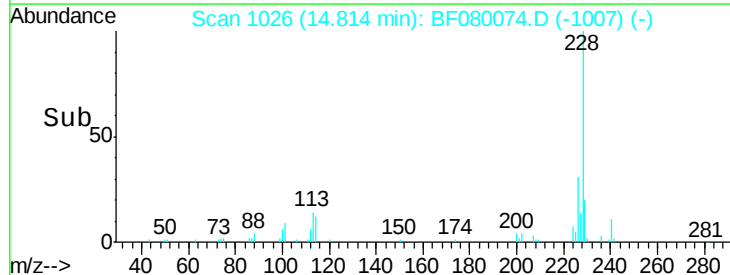
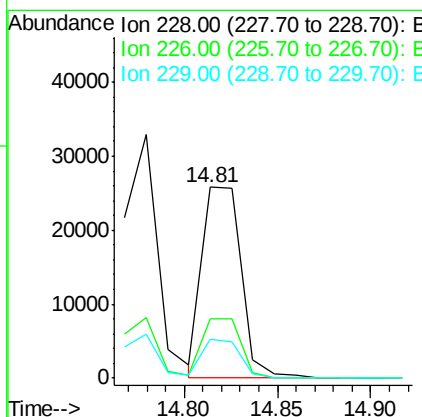
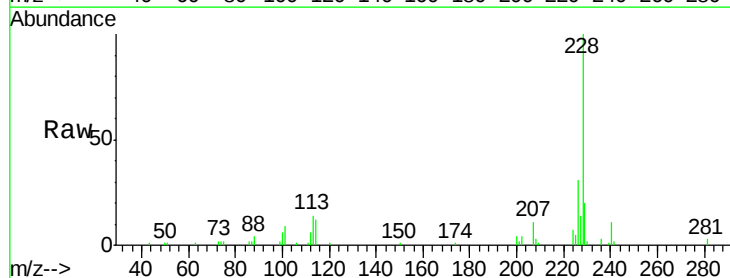
Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2015-01

Tgt Ion: 252 Resp: 7273
 Ion Ratio Lower Upper
 252 100
 254 73.0 51.4 77.2
 126 10.6 16.4 24.6#



#82
 Chrysene
 Concen: 3.02 ng
 RT: 14.81 min Scan# 1026
 Delta R.T. -0.08 min
 Lab File: BF080074.D
 Acq: 20 Jun 2015 1:40

Tgt Ion: 228 Resp: 37779
 Ion Ratio Lower Upper
 228 100
 226 31.2 21.0 31.4
 229 20.0 15.6 23.4

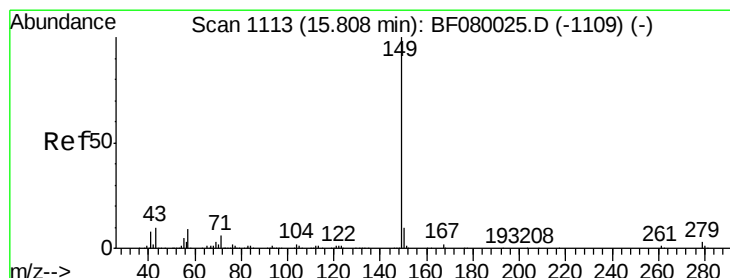
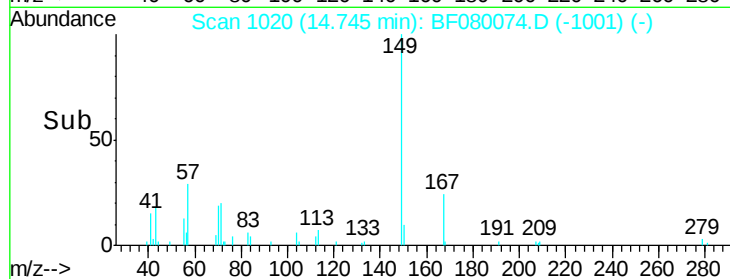
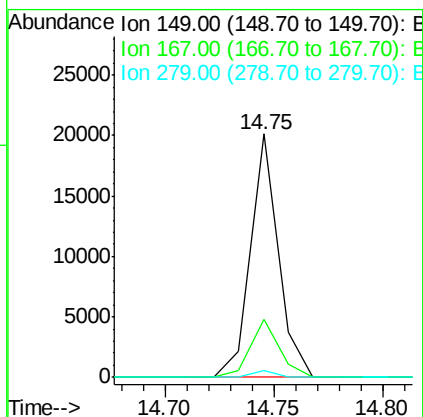
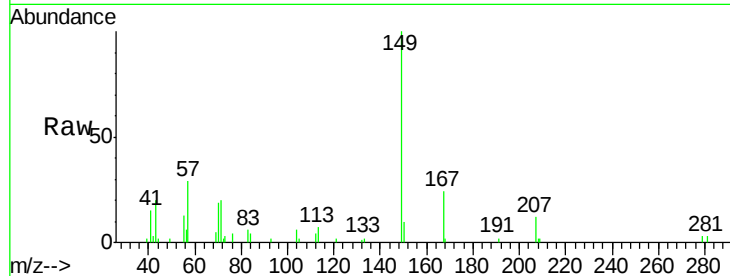




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 2.05 ng
 RT: 14.75 min Scan# 1020
 Delta R.T. -0.08 min
 Lab File: BF080074.D
 Acq: 20 Jun 2015 1:40

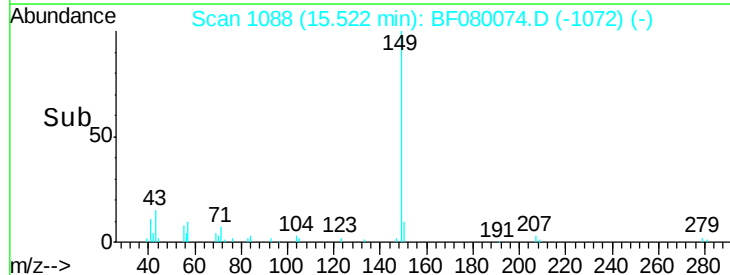
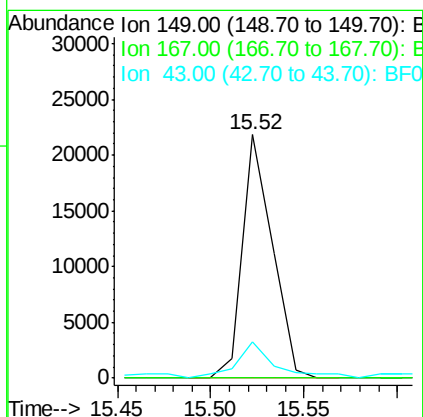
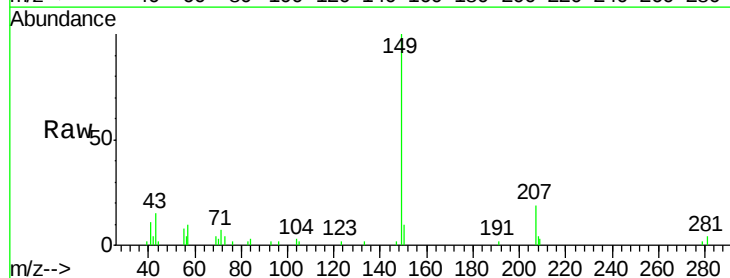
Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2015-01

Tgt Ion:149 Resp: 17902
 Ion Ratio Lower Upper
 149 100
 167 23.8 24.2 36.2#
 279 2.8 3.8 5.6#



#84
 Di-n-octyl phthalate
 Concen: 1.63 ng
 RT: 15.52 min Scan# 1088
 Delta R.T. -0.11 min
 Lab File: BF080074.D
 Acq: 20 Jun 2015 1:40

Tgt Ion:149 Resp: 24403
 Ion Ratio Lower Upper
 149 100
 167 0.0 1.0 1.6#
 43 18.9 10.2 15.2#

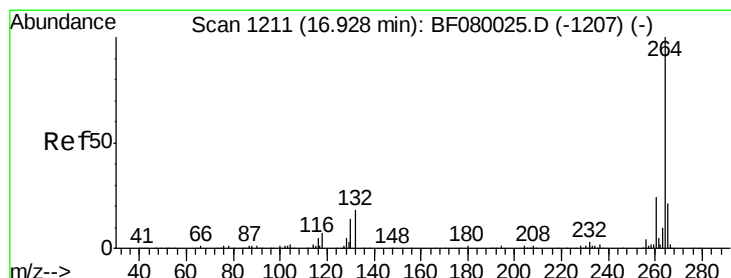
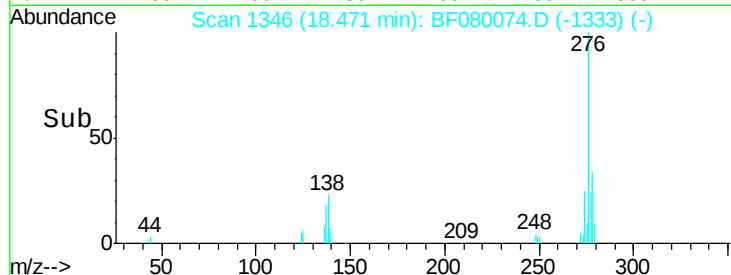
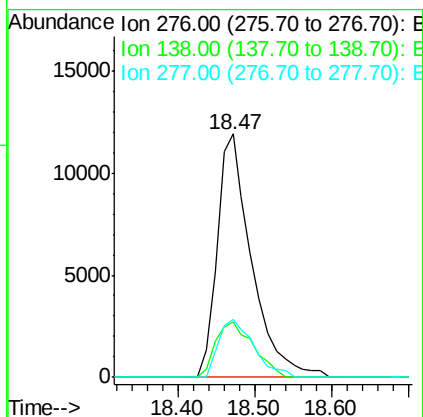
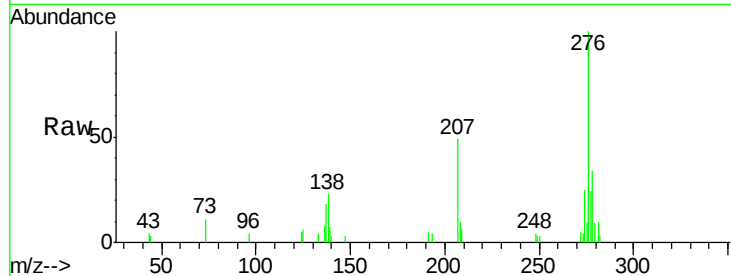




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.36 ng
 RT: 18.47 min Scan# 1346
 Delta R.T. -0.15 min
 Lab File: BF080074.D
 Acq: 20 Jun 2015 1:40

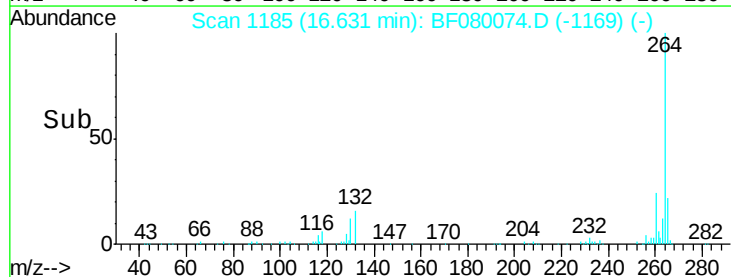
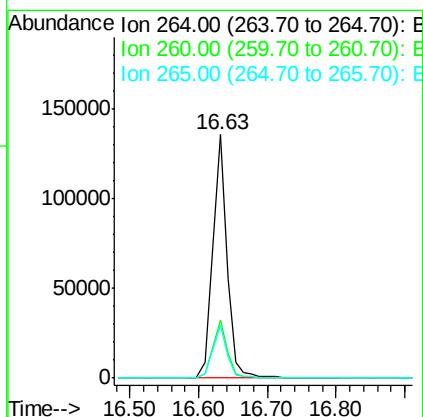
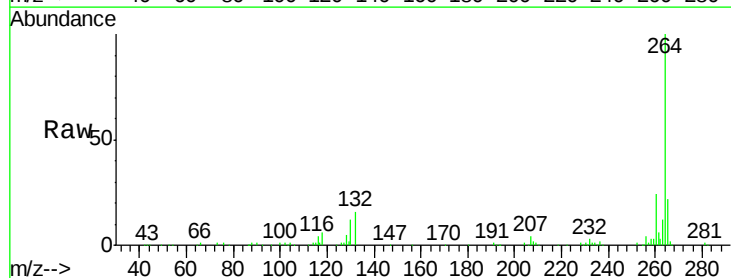
Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2015-01

Tgt Ion: 276 Resp: 37207
 Ion Ratio Lower Upper
 276 100
 138 25.0 25.7 38.5#
 277 24.5 15.6 23.4#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 16.63 min Scan# 1185
 Delta R.T. -0.11 min
 Lab File: BF080074.D
 Acq: 20 Jun 2015 1:40

Tgt Ion: 264 Resp: 200289
 Ion Ratio Lower Upper
 264 100
 260 23.9 16.7 25.1
 265 21.5 17.2 25.8

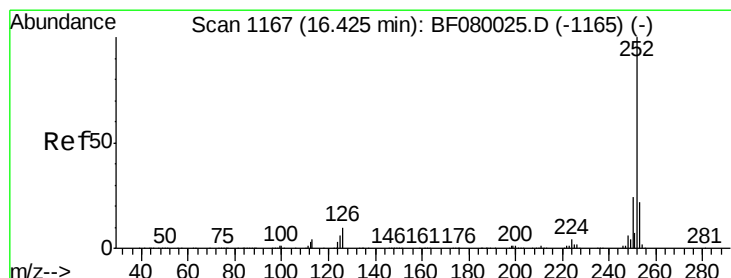
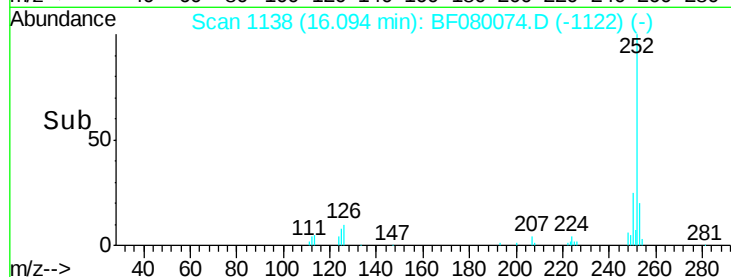
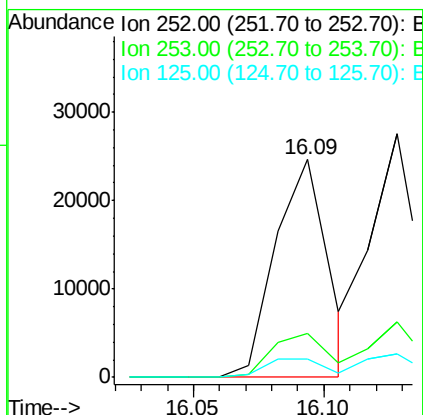
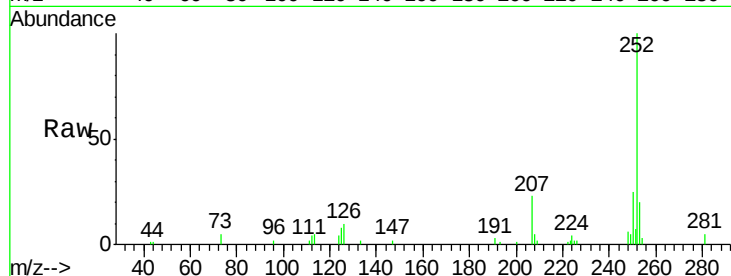




#87
Benzo(b)fluoranthene
Concen: 2.82 ng
RT: 16.09 min Scan# 1138
Delta R.T. -0.11 min
Lab File: BF080074.D
Acq: 20 Jun 2015 1:40

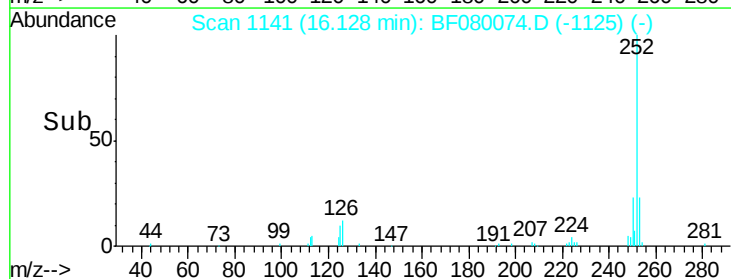
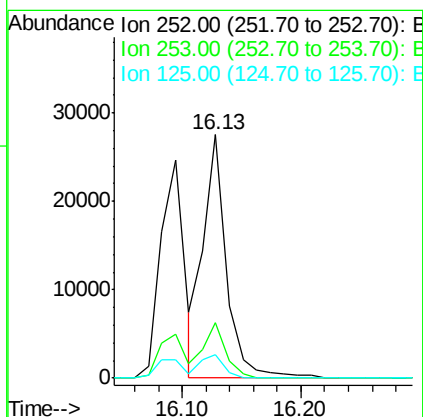
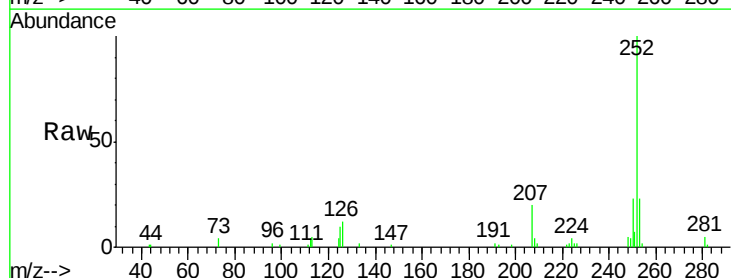
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2015-01

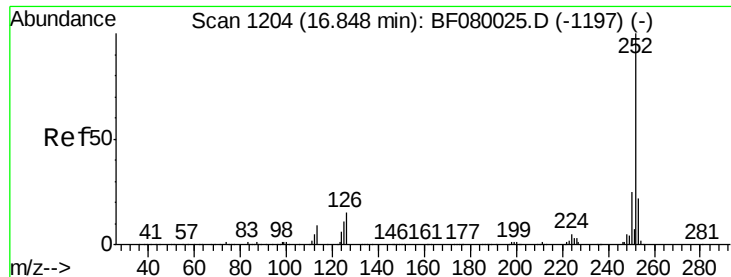
Tgt Ion: 252 Resp: 34214
Ion Ratio Lower Upper
252 100
253 20.3 17.5 26.3
125 8.4 17.1 25.7#



#88
Benzo(k)fluoranthene
Concen: 3.05 ng
RT: 16.13 min Scan# 1141
Delta R.T. -0.11 min
Lab File: BF080074.D
Acq: 20 Jun 2015 1:40

Tgt Ion: 252 Resp: 37715
Ion Ratio Lower Upper
252 100
253 22.7 17.0 25.4
125 9.6 16.0 24.0#





#89

Benzo(a)pyrene

Concen: 2.87 ng

RT: 16.55 min Scan# 1178

Delta R.T. -0.11 min

Lab File: BF080074.D

Acq: 20 Jun 2015 1:40

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2015-01

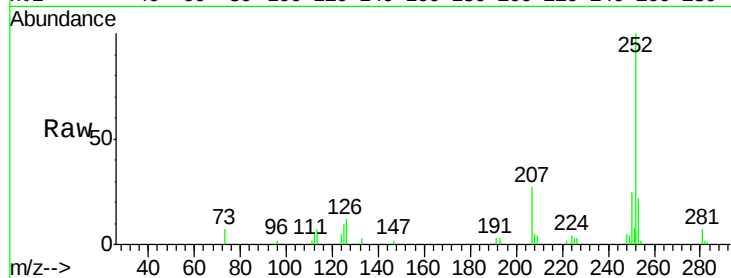
Tgt Ion: 252 Resp: 33105

Ion Ratio Lower Upper

252 100

253 22.2 17.2 25.8

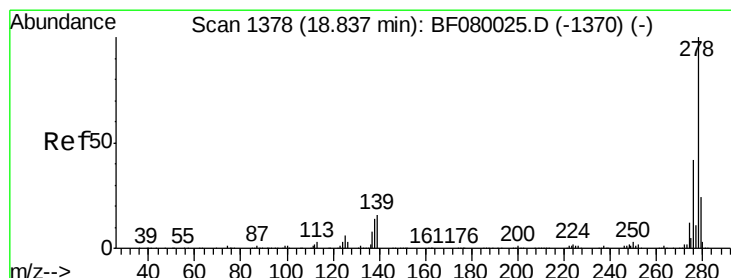
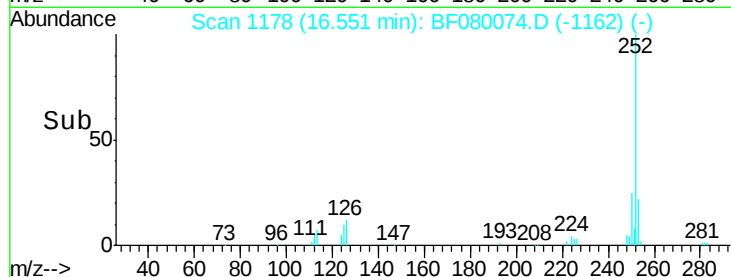
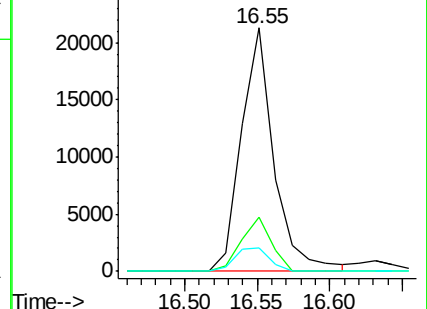
125 9.7 18.0 27.0#



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: 2.83 ng

RT: 18.49 min Scan# 1348

Delta R.T. -0.15 min

Lab File: BF080074.D

Acq: 20 Jun 2015 1:40

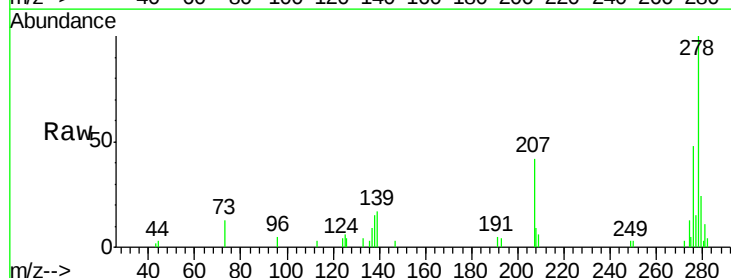
Tgt Ion: 278 Resp: 33301

Ion Ratio Lower Upper

278 100

139 17.1 26.3 39.5#

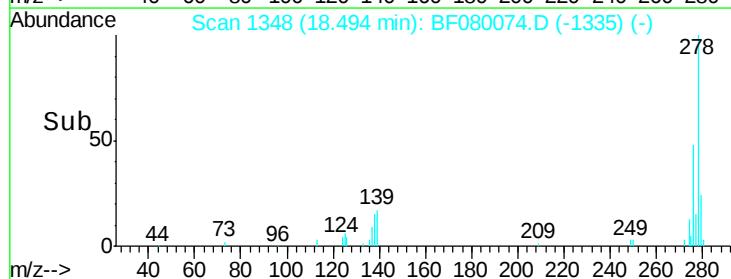
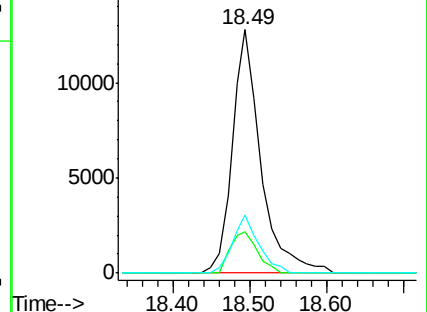
279 24.1 18.2 27.4



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: 2.75 ng

RT: 19.02 min Scan# 1394

Delta R.T. -0.16 min

Lab File: BF080074.D

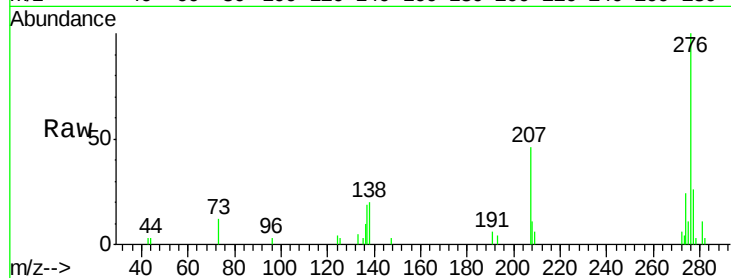
Acq: 20 Jun 2015 1:40

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2015-01



Tgt Ion:	276	Resp:	32687
Ion Ratio		Lower	Upper
276	100		
277	26.4	17.8	26.6
138	20.1	34.6	51.8

