

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092316\
 Data File : BF090205.D
 Acq On : 23 Sep 2016 18:44
 Operator : UM/SJ
 Sample : H4870-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOILWASTE -CHARACTERIZATION

Quant Time: Sep 23 23:23:51 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 20 17:58:29 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.49	152	137773	20.00	ng	-0.03
21) Naphthalene-d8	7.78	136	467025	20.00	ng	-0.03
38) Acenaphthene-d10	9.52	164	230099	20.00	ng	-0.03
63) Phenanthrene-d10	10.99	188	317783	20.00	ng	-0.03
75) Chrysene-d12	13.60	240	241982	20.00	ng	-0.03
86) Perylene-d12	14.93	264	229614	20.00	ng	-0.03

System Monitoring Compounds

5) 2-Fluorophenol	5.06	112	858095	101.52	ng	-0.01
7) Phenol-d6	6.16	99	1196752	114.65	ng	-0.01
23) Nitrobenzene-d5	7.06	82	559482	69.44	ng	-0.03
41) 2,4,6-Tribromophenol	10.31	330	184374	93.40	ng	-0.03
44) 2-Fluorobiphenyl	8.87	172	884248	75.44	ng	-0.02
78) Terphenyl-d14	12.57	244	518658	54.42	ng	-0.03

Target Compounds

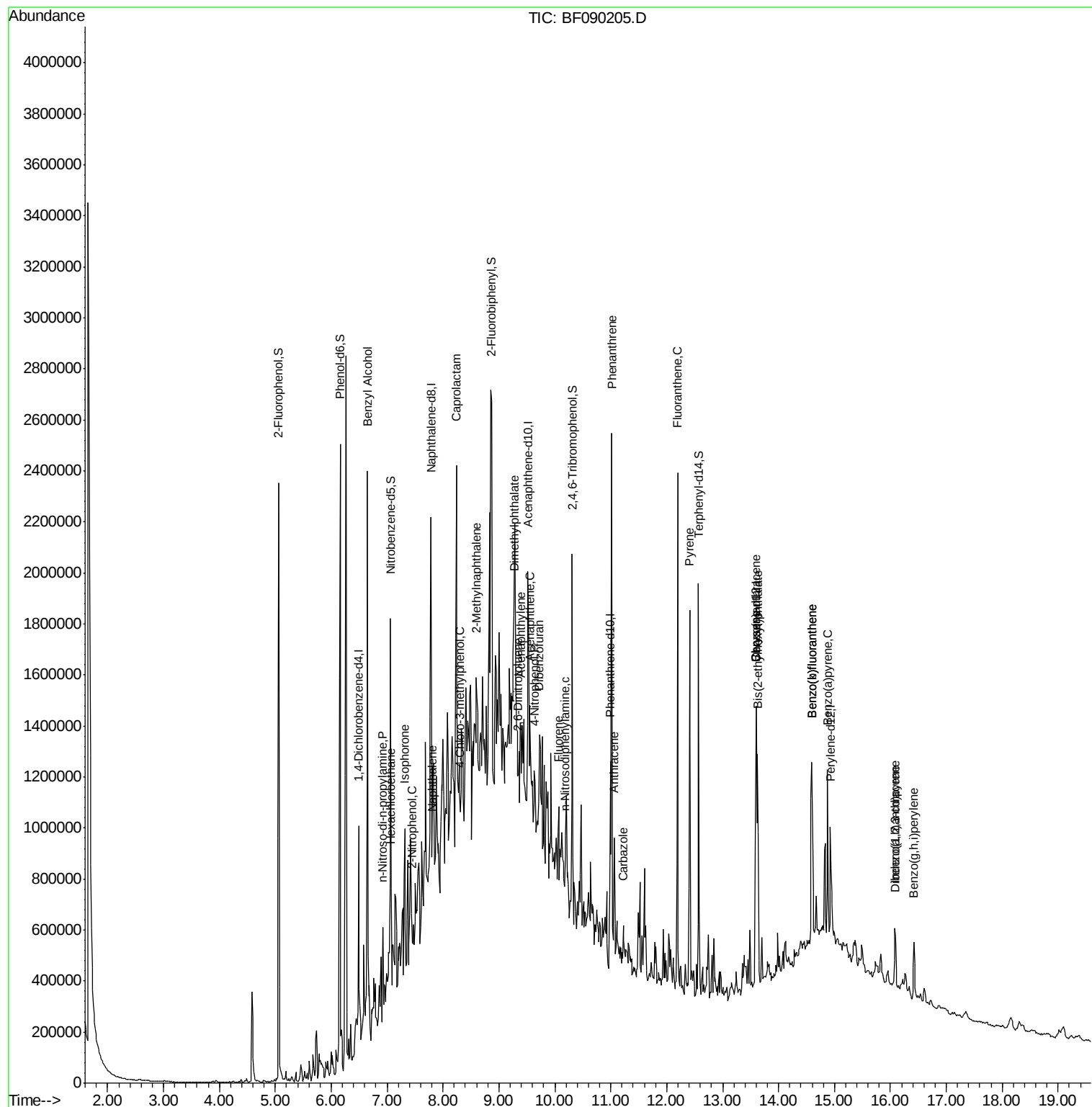
						Qvalue
15) Benzyl Alcohol	6.65	79	16448	2.64	ng	# 48
18) Hexachloroethane	7.07	117	27523	7.44	ng	# 10
19) n-Nitroso-di-n-propylamine	6.92	70	21314	3.48	ng	# 76
25) Isophorone	7.31	82	42802	2.54	ng	# 1
26) 2-Nitrophenol	7.44	139	8361	2.02	ng	# 1
31) Naphthalene	7.80	128	104626	4.70	ng	# 96
35) Caprolactam	8.24	113	37765	17.71	ng	# 1
36) 4-Chloro-3-methylphenol	8.31	107	15057	2.07	ng	# 30
37) 2-Methylnaphthalene	8.59	142	92487	6.69	ng	# 97
48) Acenaphthylene	9.38	152	45260	2.29	ng	# 74
49) Dimethylphthalate	9.27	163	336413	22.95	ng	# 99
50) 2,6-Dinitrotoluene	9.34	165	7315	2.24	ng	# 45
51) Acenaphthene	9.55	154	75465	6.45	ng	# 99
54) Dibenzofuran	9.72	168	67817	4.40	ng	# 77
55) 4-Nitrophenol	9.63	139	5630	2.15	ng	# 1
57) Fluorene	10.07	166	77992	6.72	ng	# 93
65) n-Nitrosodiphenylamine	10.18	169	62102	5.94	ng	# 55
70) Phenanthrene	11.02	178	753710	50.71	ng	# 100
71) Anthracene	11.06	178	201862	12.95	ng	# 96
72) Carbazole	11.22	167	63687	3.86	ng	# 91
74) Fluoranthene	12.19	202	796694	49.94	ng	# 99
77) Pyrene	12.41	202	830959	50.18	ng	# 94
80) Benzo(a)anthracene	13.60	228	390779	30.02	ng	# 98
82) Chrysene	13.60	228	390779	30.81	ng	# 96
83) Bis(2-ethylhexyl)phthalate	13.62	149	114189	11.02	ng	# 98
85) Indeno(1,2,3-cd)pyrene	16.08	276	170642	16.64	ng	# 91
87) Benzo(b)fluoranthene	14.59	252	549868	43.25	ng	# 96
88) Benzo(k)fluoranthene	14.59	252	549868	46.08	ng	# 95
89) Benzo(a)pyrene	14.88	252	305288	25.53	ng	# 94
90) Dibenzo(a,h)anthracene	16.09	278	42918	4.60	ng	# 84
91) Benzo(g,h,i)perylene	16.42	276	163416	17.89	ng	# 98

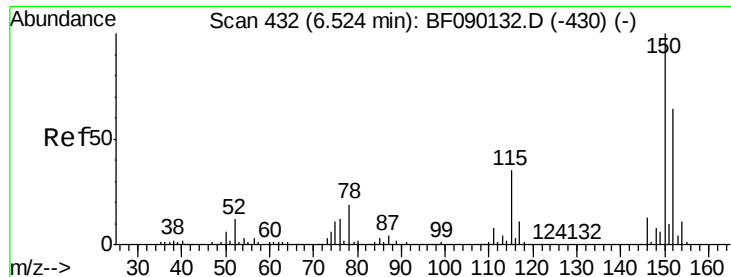
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.49 min Scan# 429

Delta R.T. -0.03 min

Lab File: BF090205.D

Acq: 23 Sep 2016 18:44

Instrument :

BNA_F

ClientSampleId :

SOILWASTE-CHARACTERIZATION

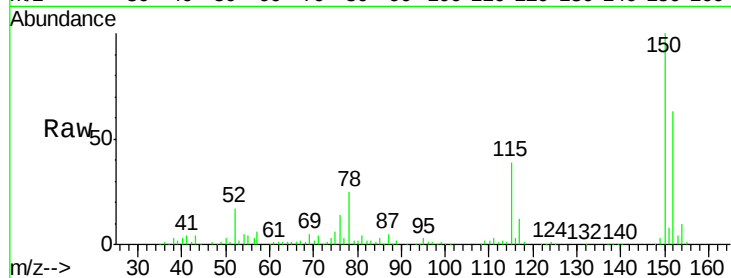
Tgt Ion:152 Resp: 137773

Ion Ratio Lower Upper

152 100

150 157.7 128.9 193.3

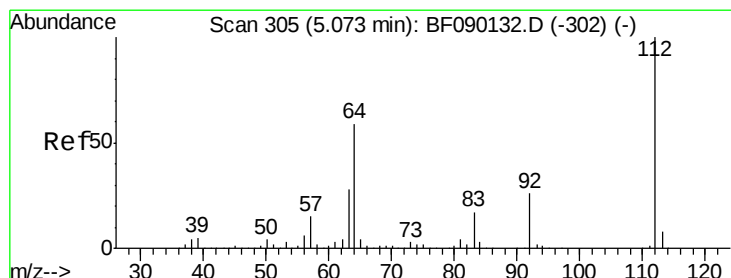
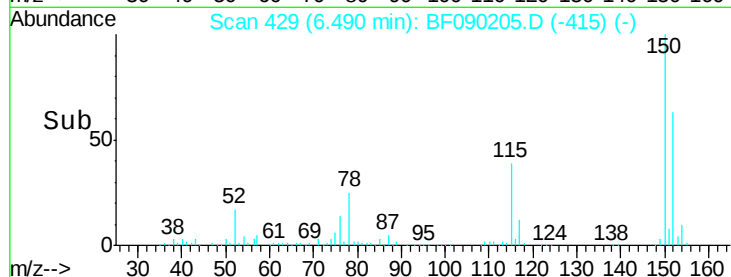
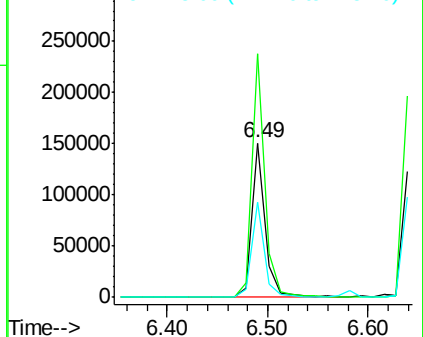
115 61.7 55.5 83.3



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



#5

2-Fluorophenol

Concen: 101.52 ng

RT: 5.06 min Scan# 304

Delta R.T. -0.01 min

Lab File: BF090205.D

Acq: 23 Sep 2016 18:44

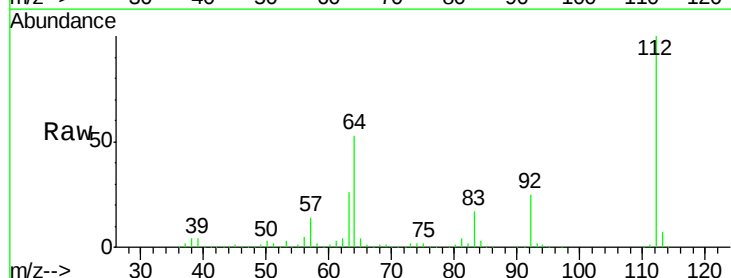
Tgt Ion:112 Resp: 858095

Ion Ratio Lower Upper

112 100

64 52.9 39.8 59.6

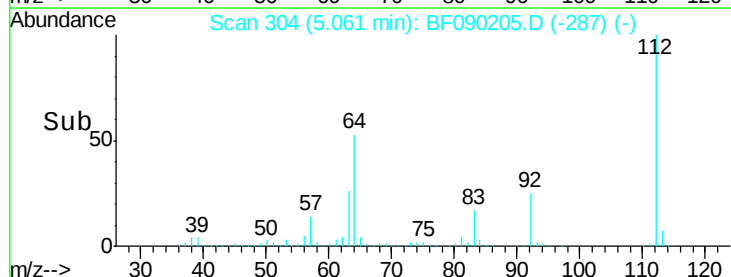
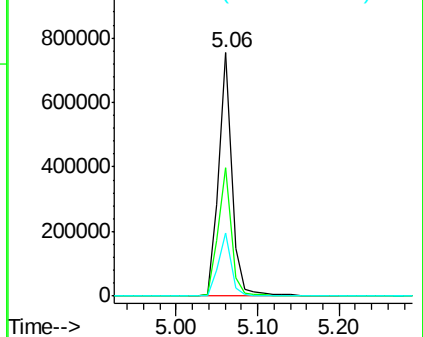
63 25.8 18.9 28.3



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





#7

Phenol-d6

Concen: 114.65 ng

RT: 6.16 min Scan# 400

Delta R.T. -0.01 min

Lab File: BF090205.D

Acq: 23 Sep 2016 18:44

Instrument :

BNA_F

ClientSampleId :

SOILWASTE-CHARACTERIZATION

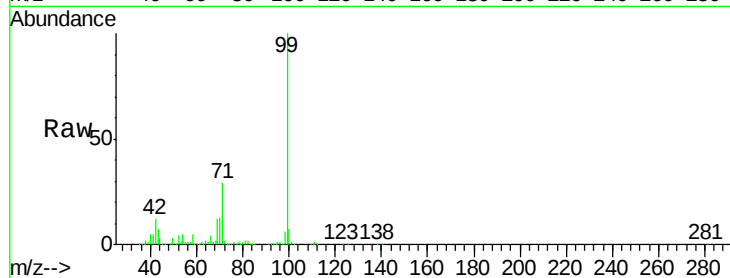
Tgt Ion: 99 Resp: 1196752

Ion Ratio Lower Upper

99 100

42 12.0 10.6 15.8

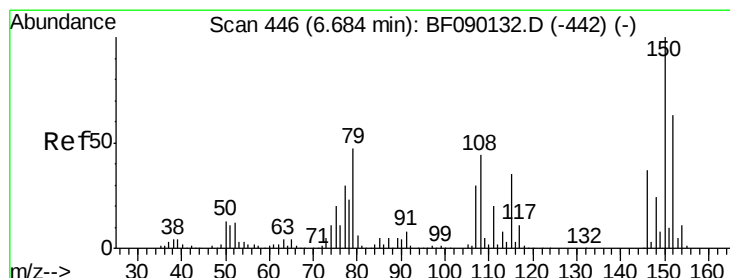
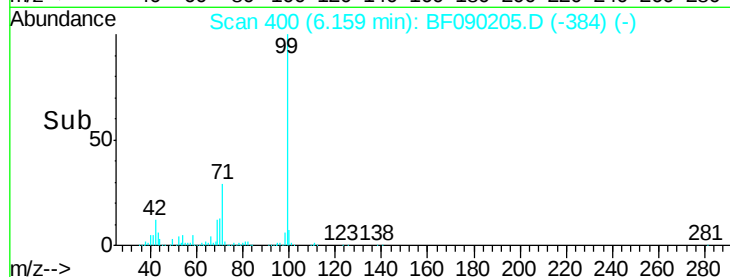
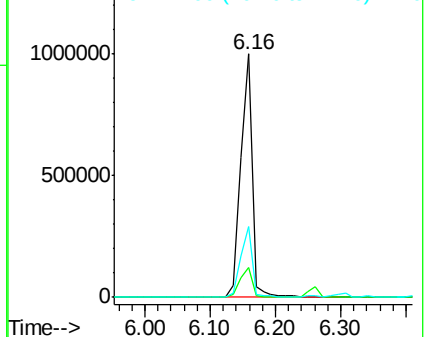
71 29.3 23.0 34.6



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



#15

Benzyl Alcohol

Concen: 2.64 ng

RT: 6.65 min Scan# 443

Delta R.T. -0.03 min

Lab File: BF090205.D

Acq: 23 Sep 2016 18:44

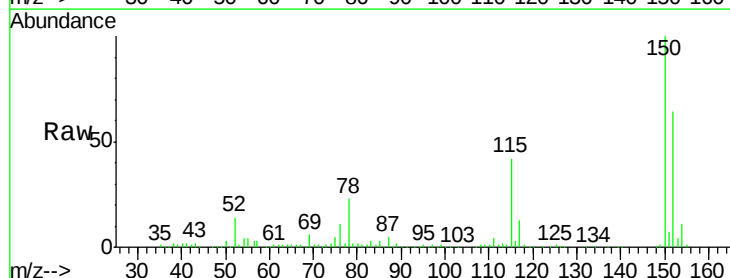
Tgt Ion: 79 Resp: 16448

Ion Ratio Lower Upper

79 100

108 29.5 62.2 93.4#

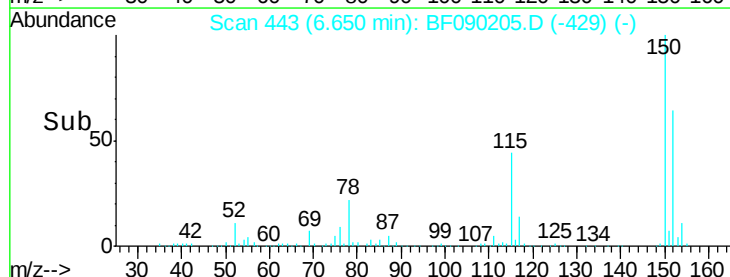
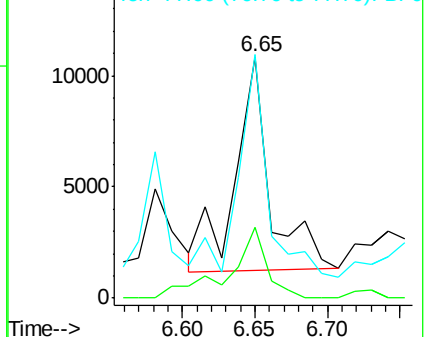
77 100.8 51.4 77.0#

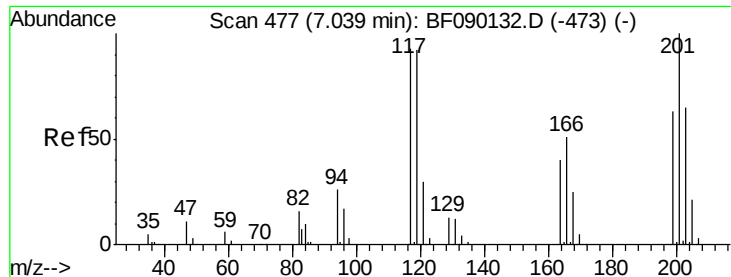


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

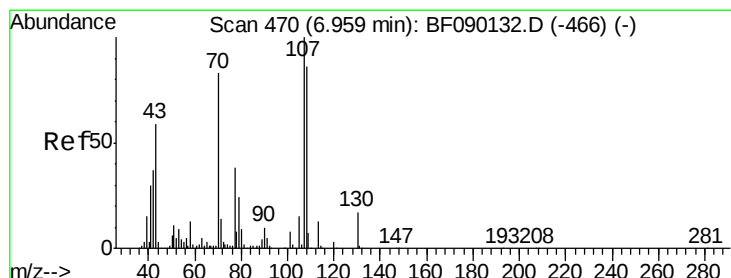
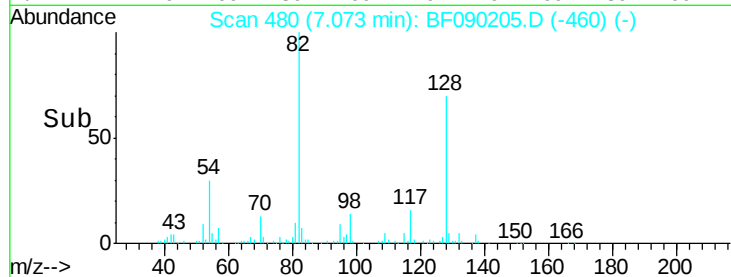
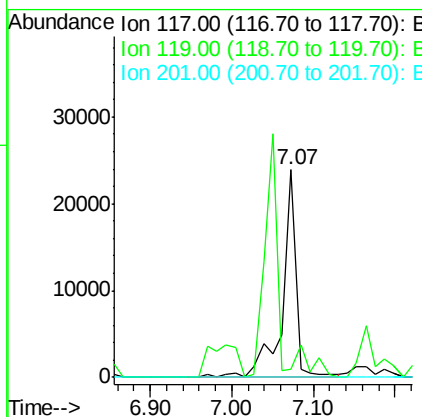
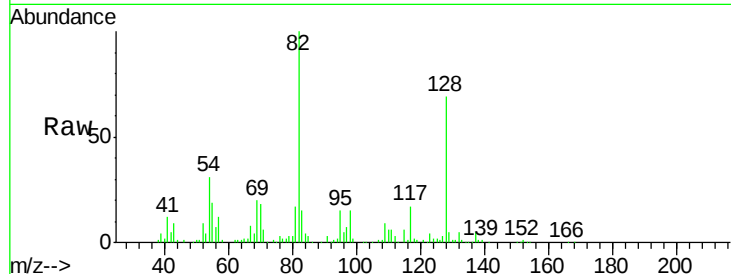




#18
Hexachloroethane
Concen: 7.44 ng
RT: 7.07 min Scan# 480
Delta R.T. 0.03 min
Lab File: BF090205.D
Acq: 23 Sep 2016 18:44

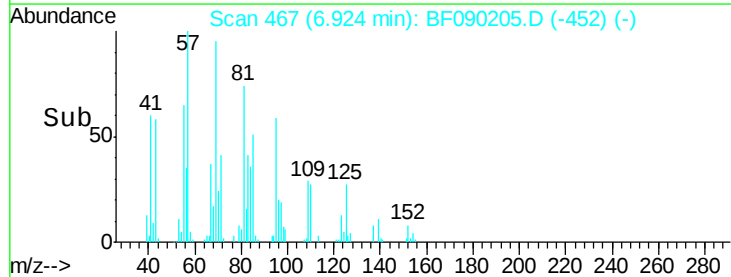
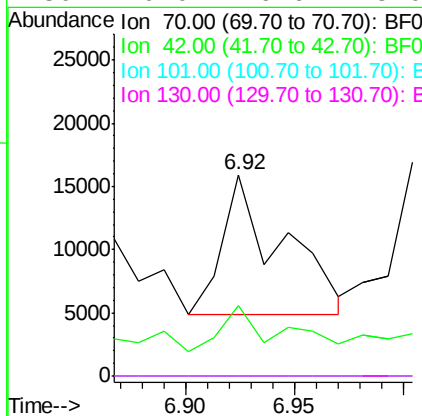
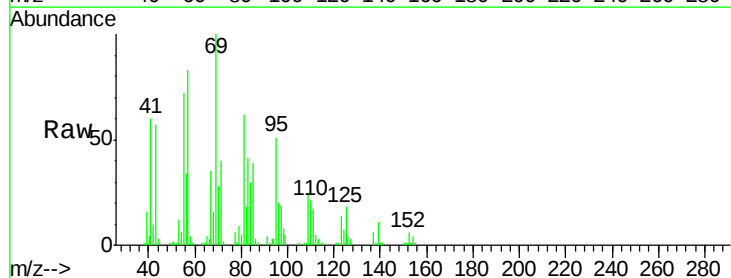
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SOILWASTE -CHARACTERIZATION

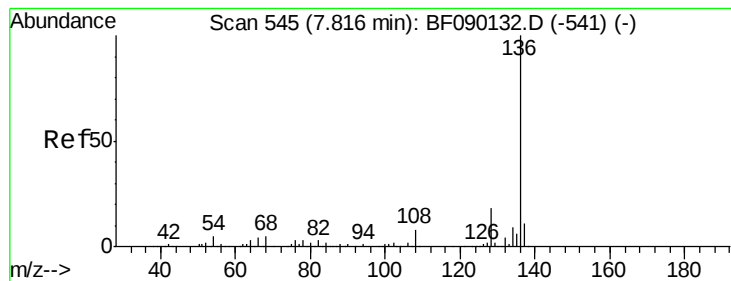
Tgt Ion:117 Resp: 27523
Ion Ratio Lower Upper
117 100
119 4.0 76.6 115.0#
201 0.0 55.5 83.3#



#19
n-Nitroso-di-n-propylamine
Concen: 3.48 ng
RT: 6.92 min Scan# 467
Delta R.T. -0.03 min
Lab File: BF090205.D
Acq: 23 Sep 2016 18:44

Tgt Ion: 70 Resp: 21314
Ion Ratio Lower Upper
70 100
42 34.9 35.1 52.7#
101 0.0 7.5 11.3#
130 0.0 16.6 25.0#

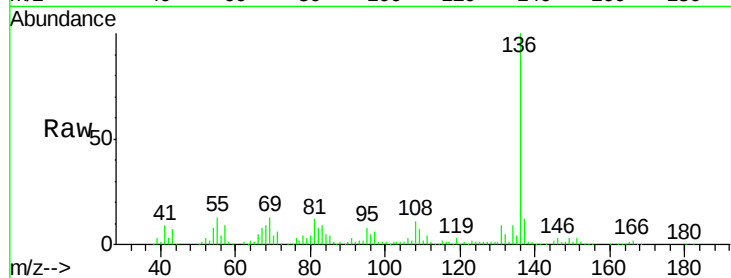




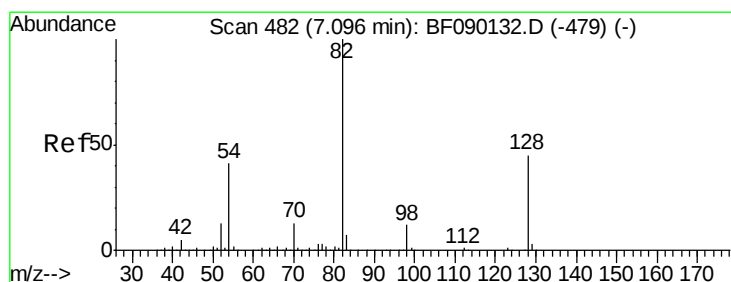
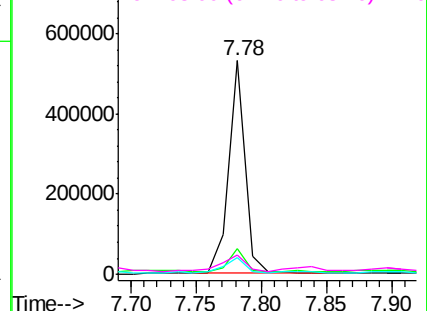
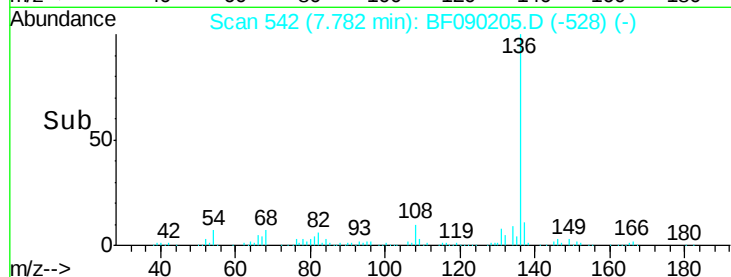
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.78 min Scan# 542
Delta R.T. -0.03 min
Lab File: BF090205.D
Acq: 23 Sep 2016 18:44

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SOILWASTE -CHARACTERIZATION

Tgt Ion:	136	Resp:	467025
Ion	Ratio	Lower	Upper
136	100		
137	12.1	9.0	13.4
54	7.9	6.4	9.6
68	8.7	6.3	9.5

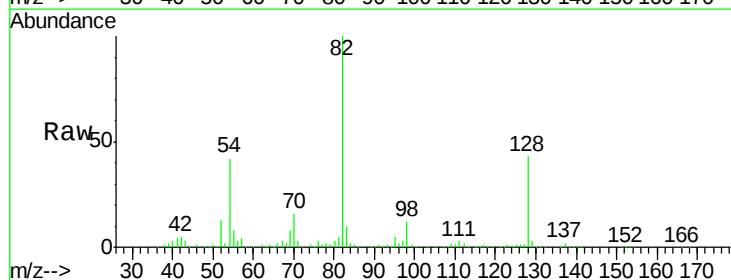


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

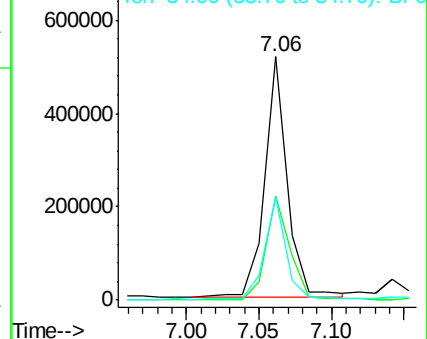
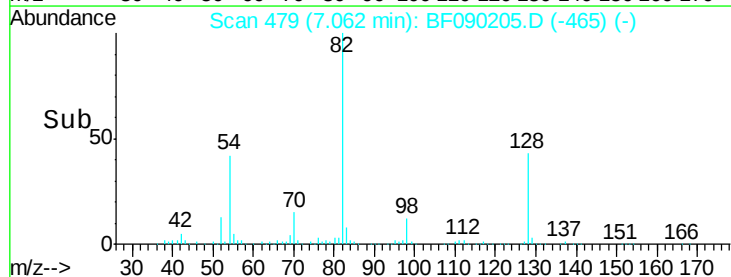


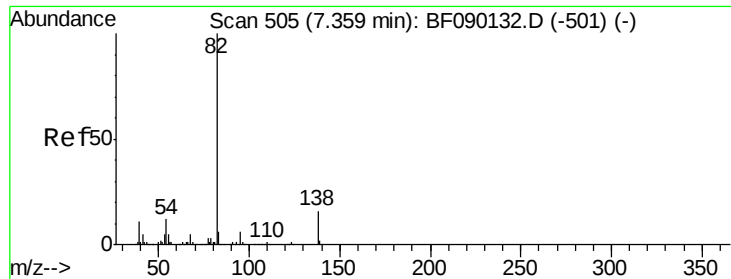
#23
Nitrobenzene-d5
Concen: 69.44 ng
RT: 7.06 min Scan# 479
Delta R.T. -0.03 min
Lab File: BF090205.D
Acq: 23 Sep 2016 18:44

Tgt Ion:	82	Resp:	559482
Ion	Ratio	Lower	Upper
82	100		
128	42.9	37.5	56.3
54	42.2	31.9	47.9



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





#25

Isophorone

Concen: 2.54 ng

RT: 7.31 min Scan# 501

Delta R.T. -0.05 min

Lab File: BF090205.D

Acq: 23 Sep 2016 18:44

Instrument :

BNA_F

ClientSampleId :

SOILWASTE -CHARACTERIZATION

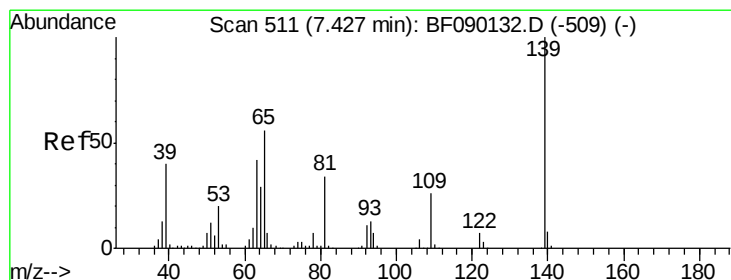
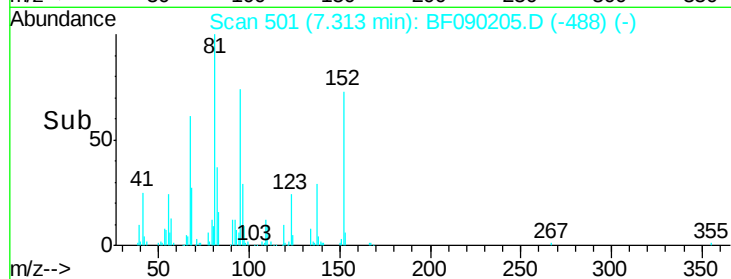
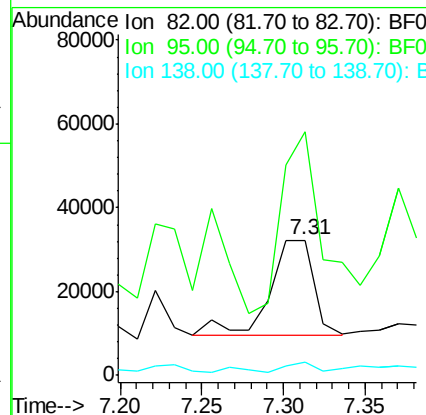
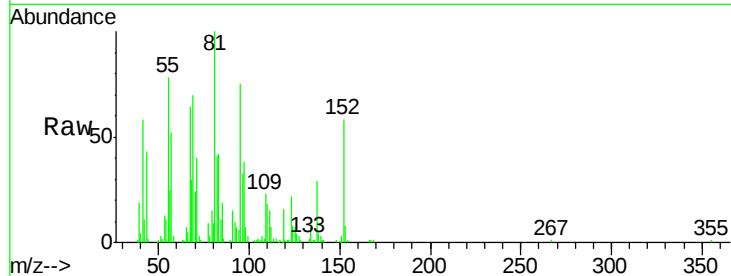
Tgt Ion: 82 Resp: 42802

Ion Ratio Lower Upper

82 100

95 180.4 5.1 7.7#

138 9.9 13.5 20.3#



#26

2-Nitrophenol

Concen: 2.02 ng

RT: 7.44 min Scan# 512

Delta R.T. 0.01 min

Lab File: BF090205.D

Acq: 23 Sep 2016 18:44

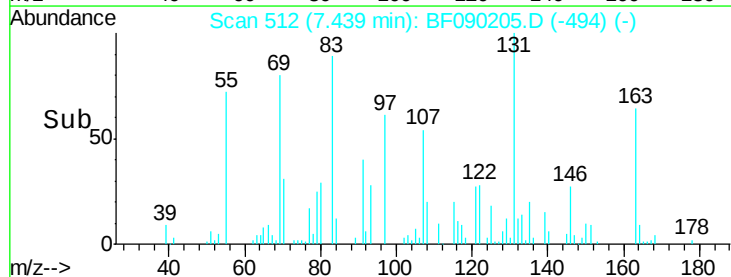
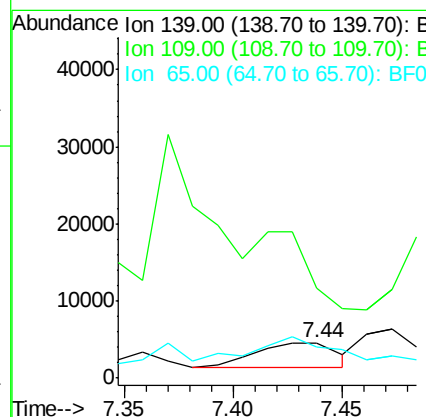
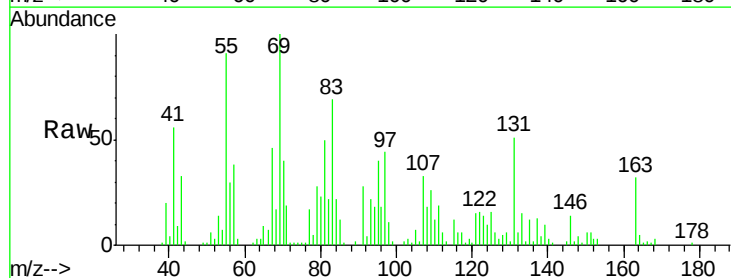
Tgt Ion: 139 Resp: 8361

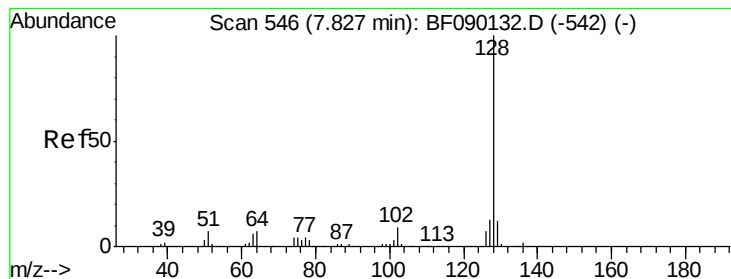
Ion Ratio Lower Upper

139 100

109 253.5 20.5 30.7#

65 88.4 37.9 56.9#





#31

Naphthalene

Concen: 4.70 ng

RT: 7.80 min Scan# 544

Delta R.T. -0.02 min

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SOILWASTE -CHARACTERIZATION

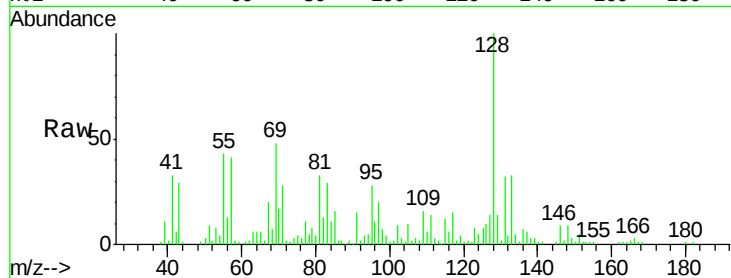
Tgt Ion:128 Resp: 104626

Ion Ratio Lower Upper

128 100

129 14.5 9.3 13.9#

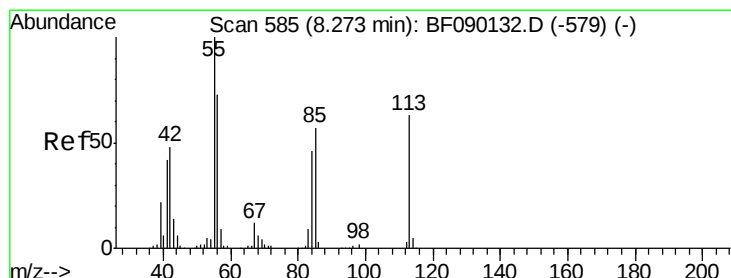
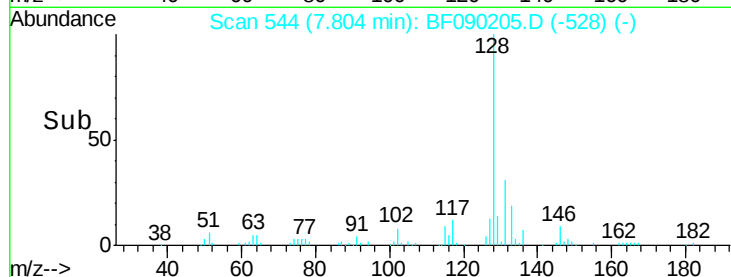
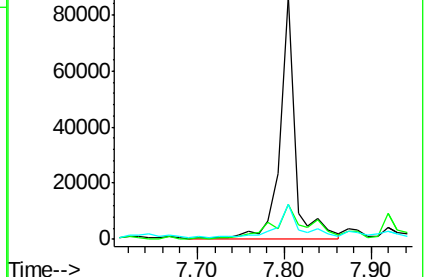
127 14.2 10.8 16.2



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



#35

Caprolactam

Concen: 17.71 ng

RT: 8.24 min Scan# 582

Delta R.T. -0.03 min

Lab File: BF090205.D

Acq: 23 Sep 2016 18:44

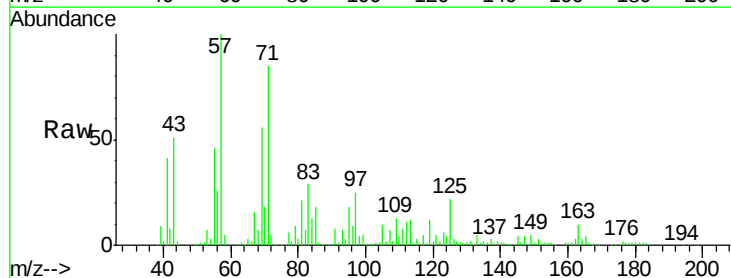
Tgt Ion:113 Resp: 37765

Ion Ratio Lower Upper

113 100

55 396.3 134.5 174.5#

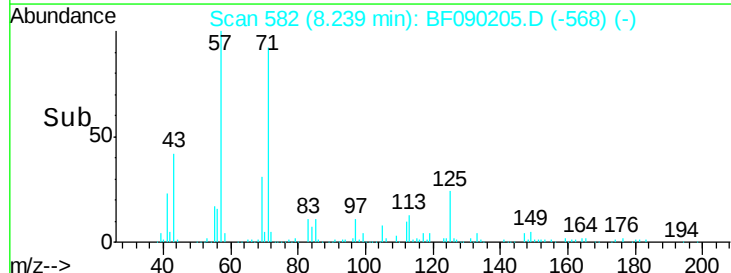
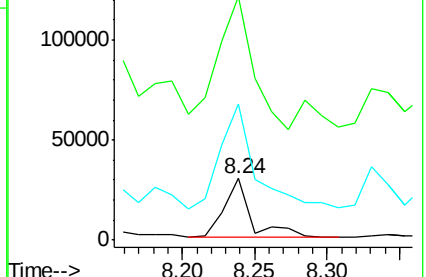
56 221.6 93.7 133.7#

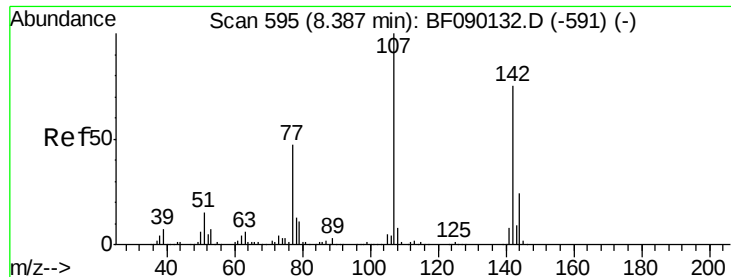


Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0





#36

4-Chloro-3-methylphenol

Concen: 2.07 ng

RT: 8.31 min Scan# 588

Delta R.T. -0.08 min

Lab File: BF090205.D

Acq: 23 Sep 2016 18:44

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SOILWASTE-CHARACTERIZATION

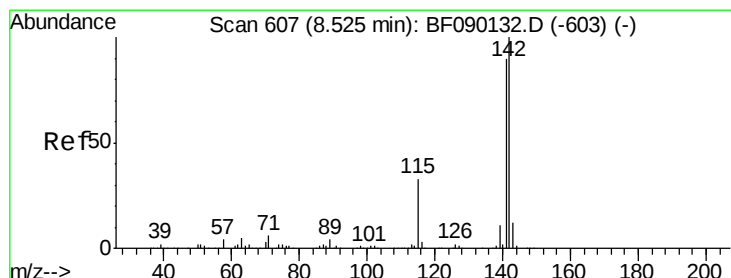
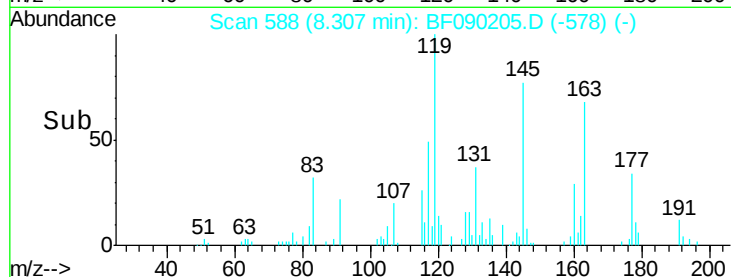
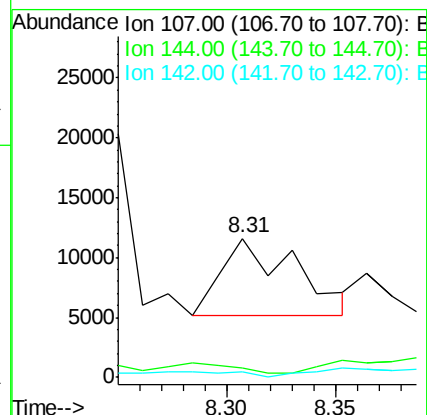
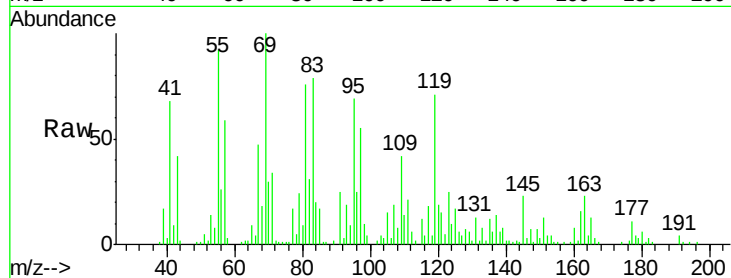
Tgt Ion:107 Resp: 15057

Ion Ratio Lower Upper

107 100

144 6.6 18.6 27.8#

142 3.7 57.0 85.6#



#37

2-Methylnaphthalene

Concen: 6.69 ng

RT: 8.59 min Scan# 613

Delta R.T. 0.07 min

Lab File: BF090205.D

Acq: 23 Sep 2016 18:44

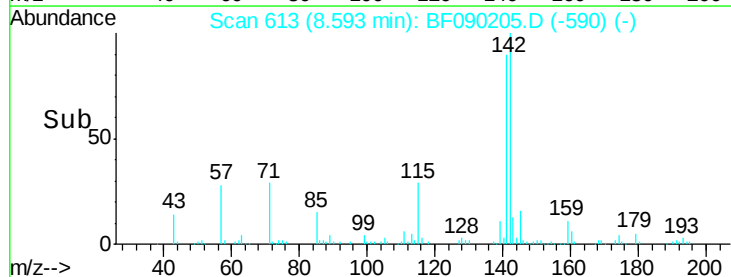
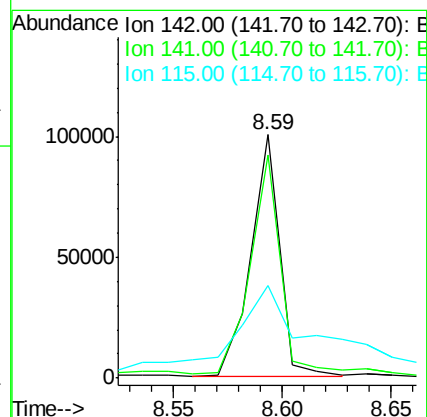
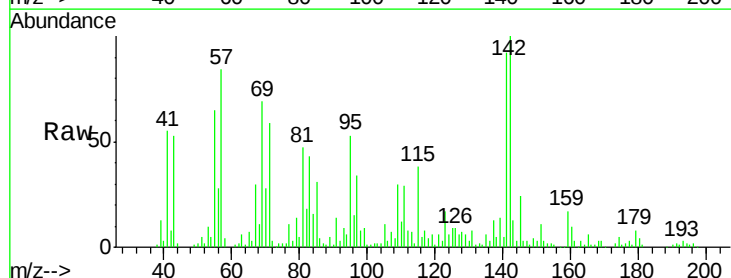
Tgt Ion:142 Resp: 92487

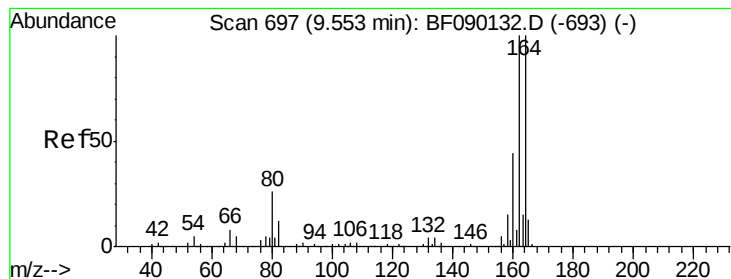
Ion Ratio Lower Upper

142 100

141 91.5 71.4 107.2

115 38.2 28.3 42.5





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.52 min Scan# 694

Delta R.T. -0.03 min

Lab File: BF090205.D

Acq: 23 Sep 2016 18:44

Instrument :

BNA_F

ClientSampleId :

SOILWASTE-CHARACTERIZATION

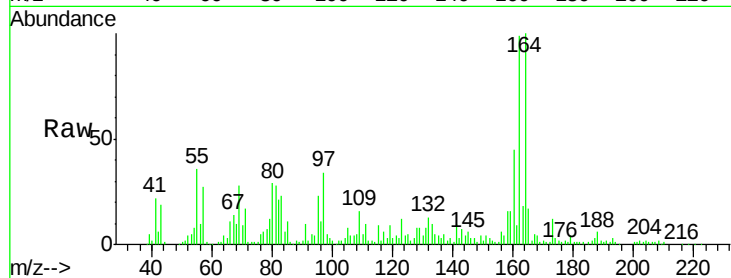
Tgt Ion:164 Resp: 230099

Ion Ratio Lower Upper

164 100

162 98.6 81.4 122.2

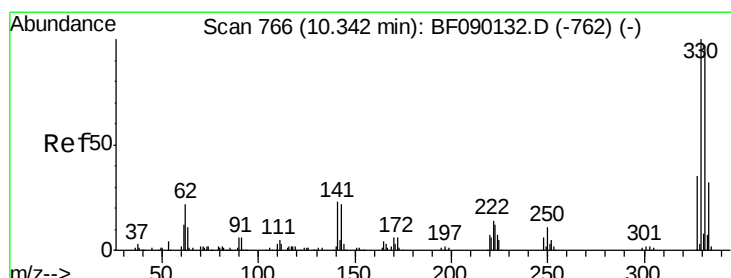
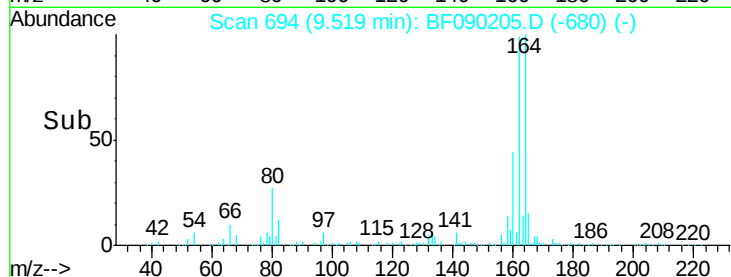
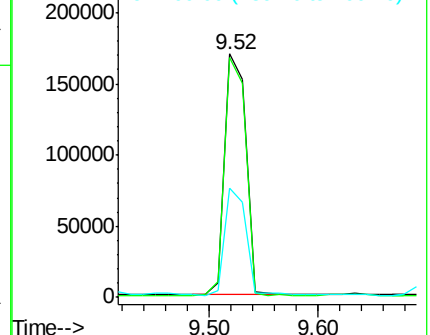
160 44.9 36.6 54.8



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 93.40 ng

RT: 10.31 min Scan# 763

Delta R.T. -0.03 min

Lab File: BF090205.D

Acq: 23 Sep 2016 18:44

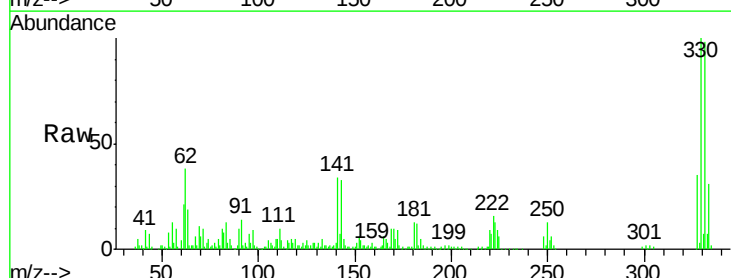
Tgt Ion:330 Resp: 184374

Ion Ratio Lower Upper

330 100

332 97.9 78.1 117.1

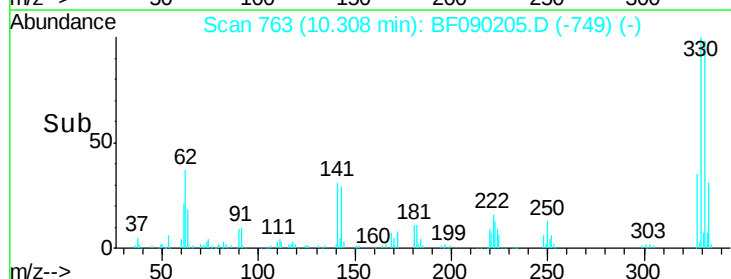
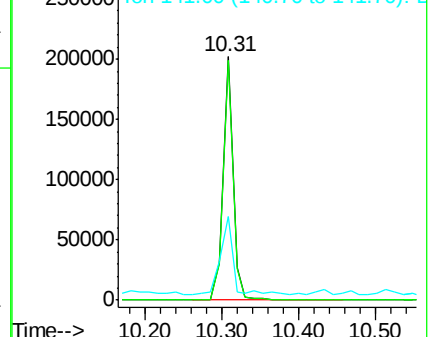
141 36.5 23.9 35.9#

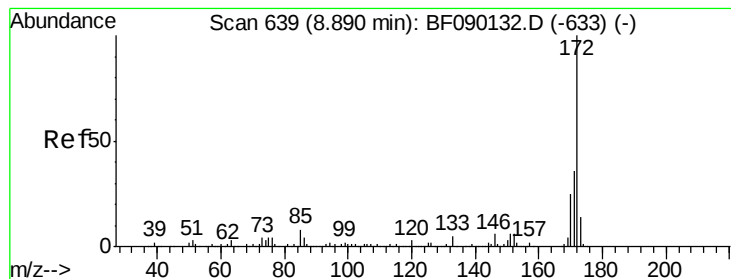


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 75.44 ng

RT: 8.87 min Scan# 637

Delta R.T. -0.02 min

Lab File: BF090205.D

Acq: 23 Sep 2016 18:44

Instrument :

BNA_F

ClientSampleId :

SOILWASTE -CHARACTERIZATION

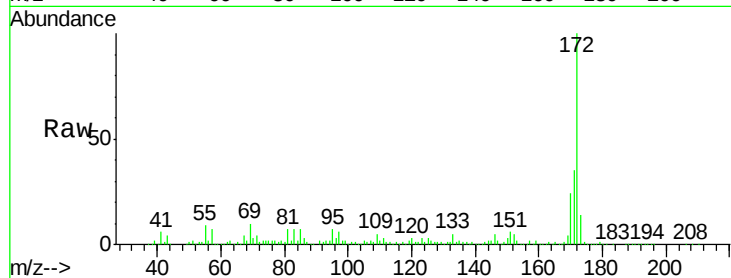
Tgt Ion:172 Resp: 884248

Ion Ratio Lower Upper

172 100

171 35.1 29.2 43.8

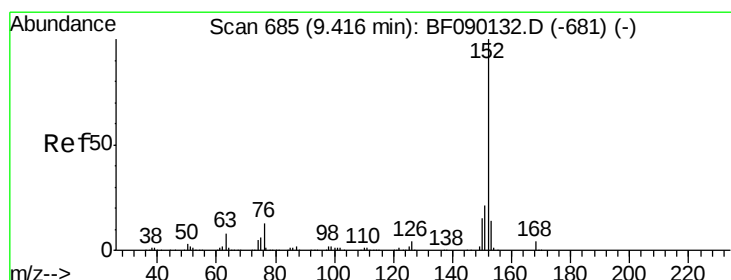
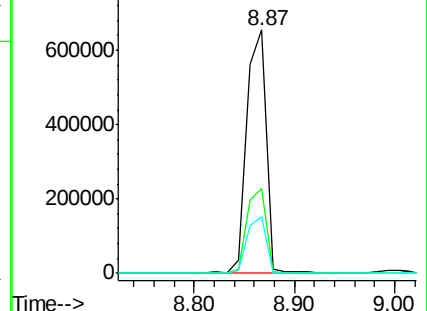
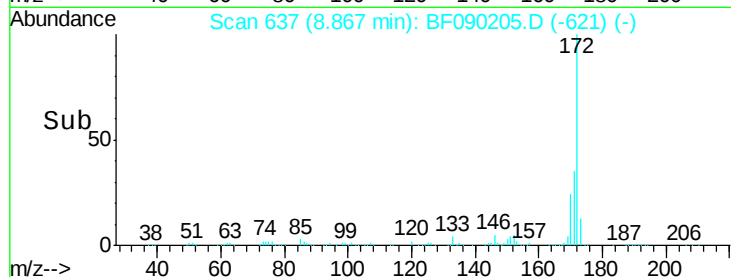
170 23.5 19.8 29.8



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



#48

Acenaphthylene

Concen: 2.29 ng

RT: 9.38 min Scan# 682

Delta R.T. -0.03 min

Lab File: BF090205.D

Acq: 23 Sep 2016 18:44

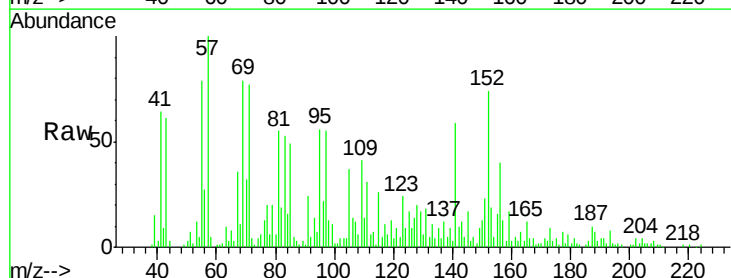
Tgt Ion:152 Resp: 45260

Ion Ratio Lower Upper

152 100

151 31.1 16.5 24.7#

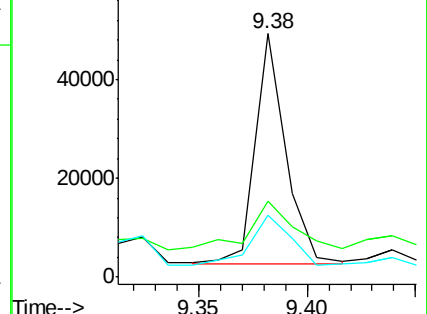
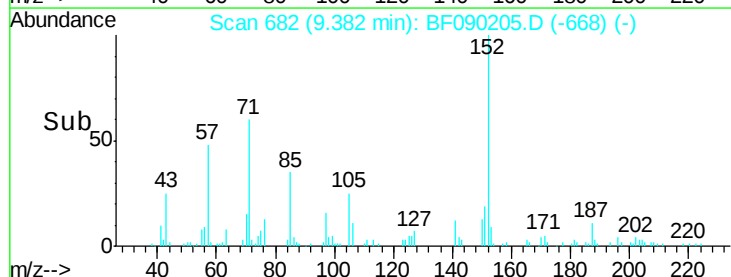
153 25.3 10.6 15.8#

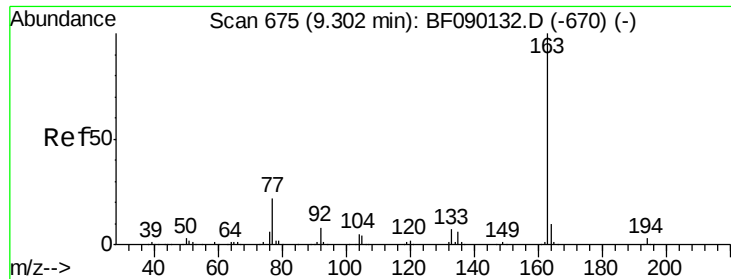


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E

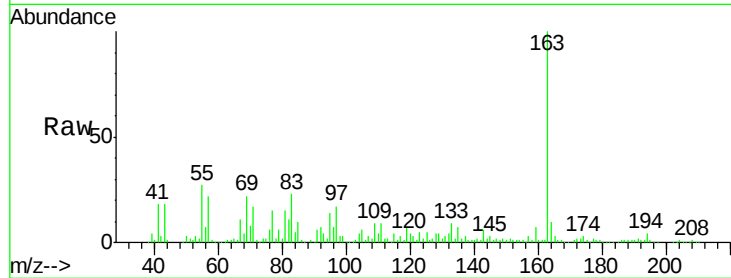




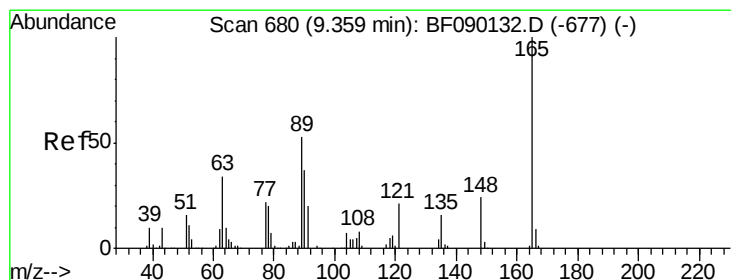
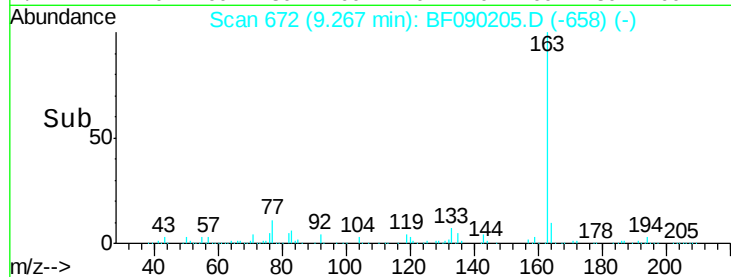
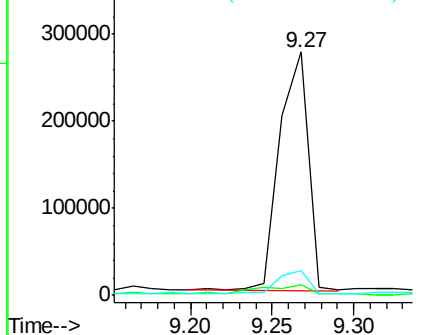
#49
Dimethylphthalate
Concen: 22.95 ng
RT: 9.27 min Scan# 672
Delta R.T. -0.03 min
Lab File: BF090205.D
Acq: 23 Sep 2016 18:44

Instrument :
BNA_F
ClientSampleId :
SOILWASTE -CHARACTERIZATION

Tgt Ion:163 Resp: 336413
Ion Ratio Lower Upper
163 100
194 4.2 2.8 4.2
164 10.2 8.1 12.1

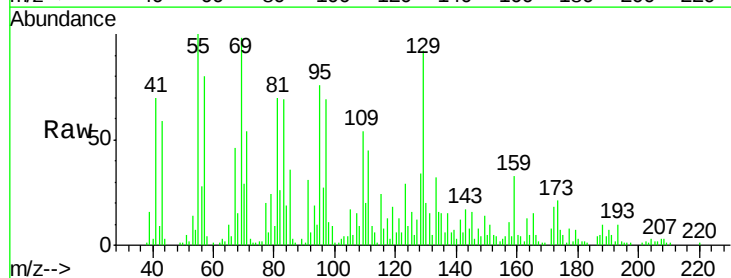


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

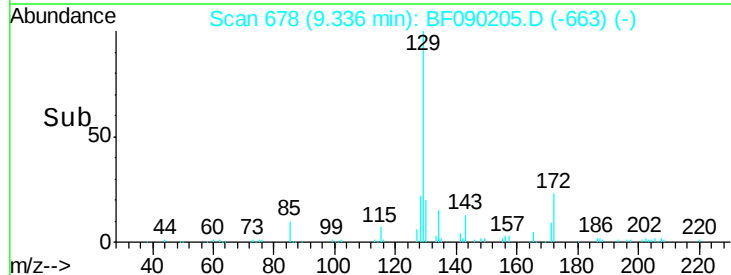
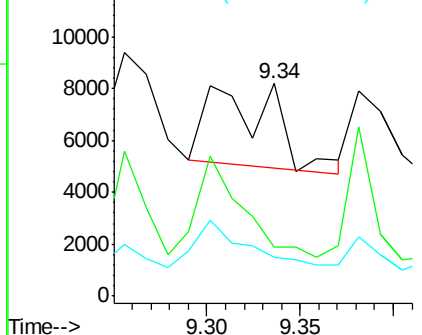


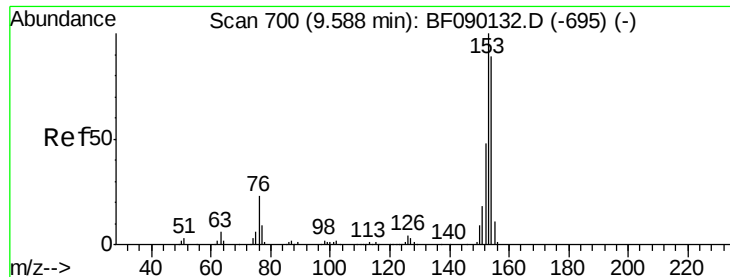
#50
2,6-Dinitrotoluene
Concen: 2.24 ng
RT: 9.34 min Scan# 678
Delta R.T. -0.02 min
Lab File: BF090205.D
Acq: 23 Sep 2016 18:44

Tgt Ion:165 Resp: 7315
Ion Ratio Lower Upper
165 100
63 23.1 49.9 74.9#
89 18.1 51.0 76.4#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 6.45 ng

RT: 9.55 min Scan# 697

Delta R.T. -0.03 min

Lab File: BF090205.D

Acq: 23 Sep 2016 18:44

Instrument :

BNA_F

ClientSampleId :

SOILWASTE -CHARACTERIZATION

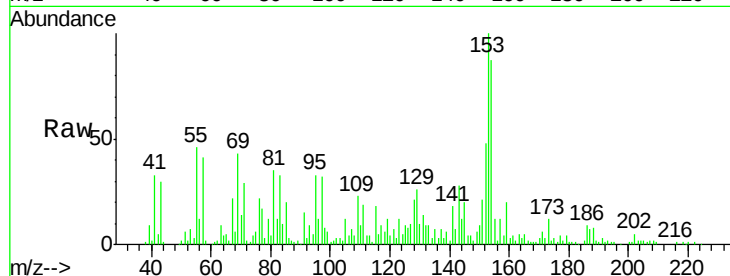
Tgt Ion:154 Resp: 75465

Ion Ratio Lower Upper

154 100

153 114.6 90.8 136.2

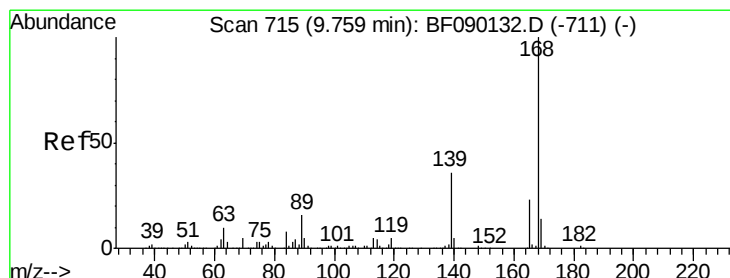
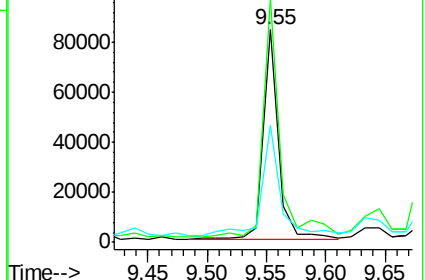
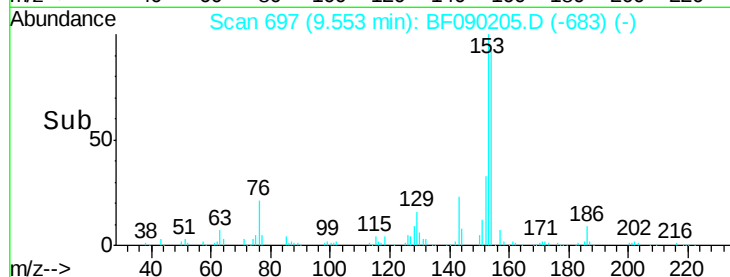
152 54.7 44.2 66.4



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#54

Dibenzofuran

Concen: 4.40 ng

RT: 9.72 min Scan# 712

Delta R.T. -0.03 min

Lab File: BF090205.D

Acq: 23 Sep 2016 18:44

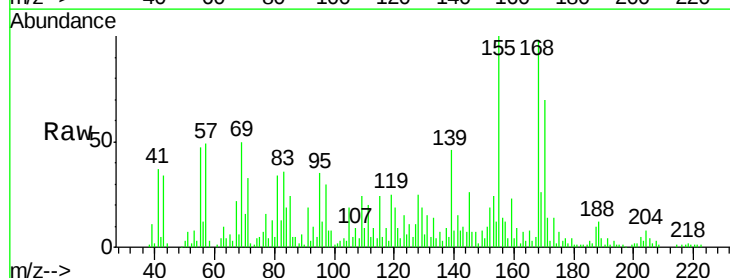
Tgt Ion:168 Resp: 67817

Ion Ratio Lower Upper

168 100

139 47.2 28.8 43.2#

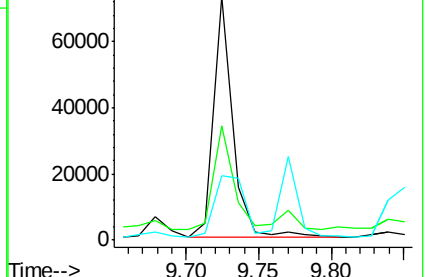
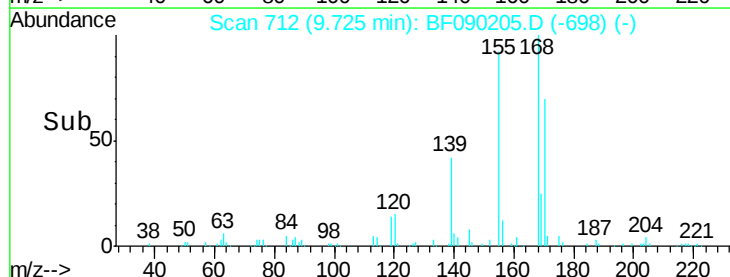
169 26.3 10.7 16.1#

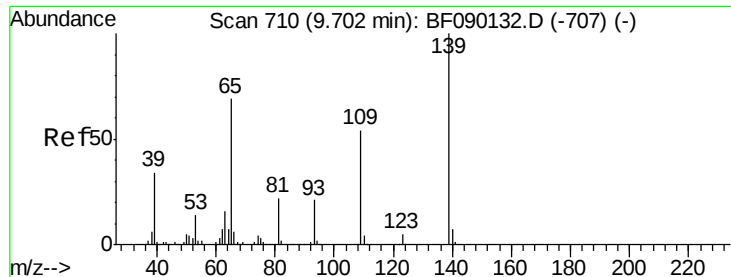


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

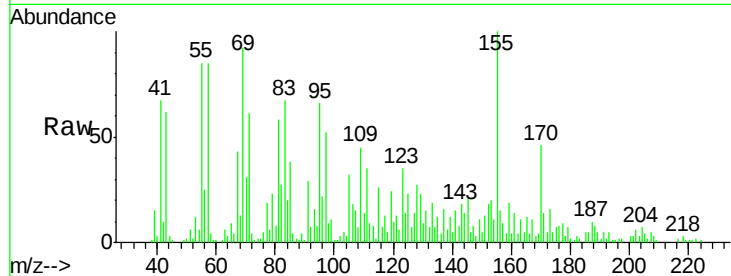




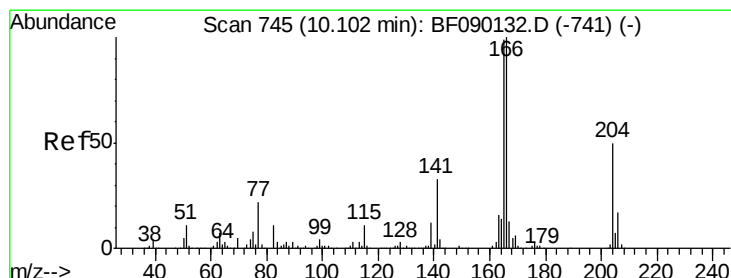
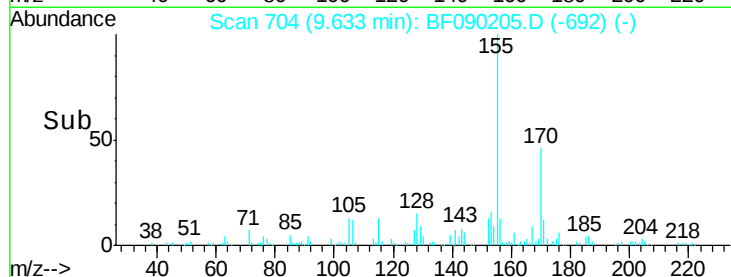
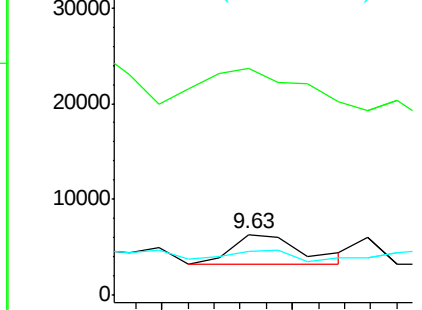
#55
4-Nitrophenol
Concen: 2.15 ng
RT: 9.63 min Scan# 704
Delta R.T. -0.07 min
Lab File: BF090205.D
Acq: 23 Sep 2016 18:44

Instrument :
BNA_F
ClientSampleId :
SOILWASTE -CHARACTERIZATION

Tgt Ion:139 Resp: 5630
Ion Ratio Lower Upper
139 100
109 372.1 35.6 75.6#
65 71.4 55.5 95.5

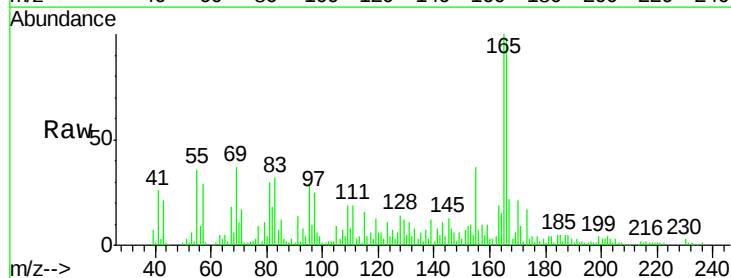


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

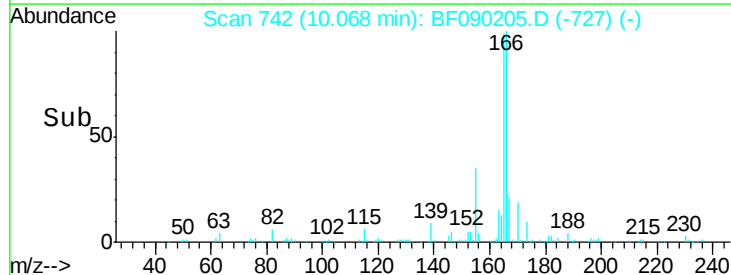
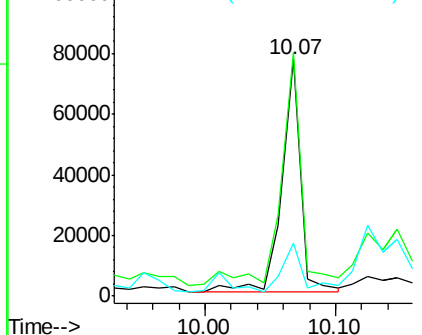


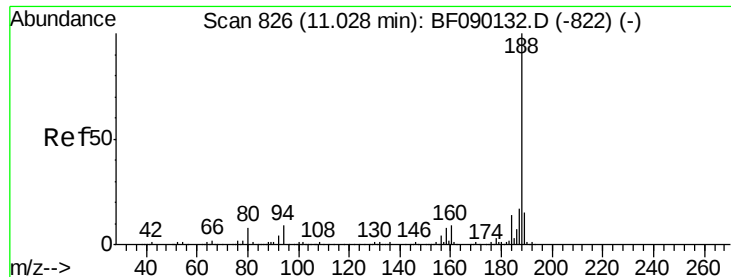
#57
Fluorene
Concen: 6.72 ng
RT: 10.07 min Scan# 742
Delta R.T. -0.03 min
Lab File: BF090205.D
Acq: 23 Sep 2016 18:44

Tgt Ion:166 Resp: 77992
Ion Ratio Lower Upper
166 100
165 102.7 78.5 117.7
167 22.1 11.2 16.8#



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

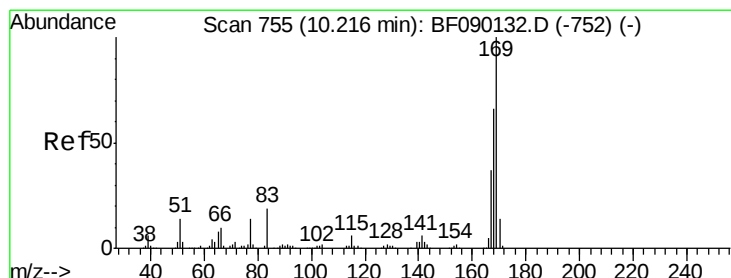
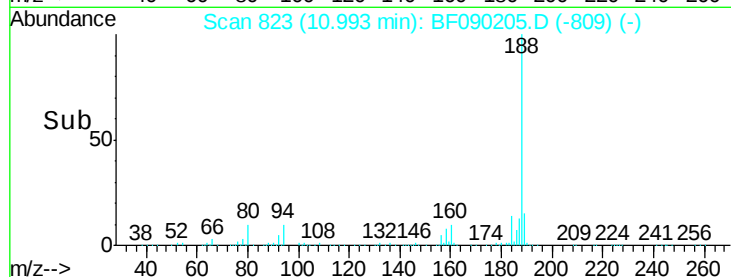
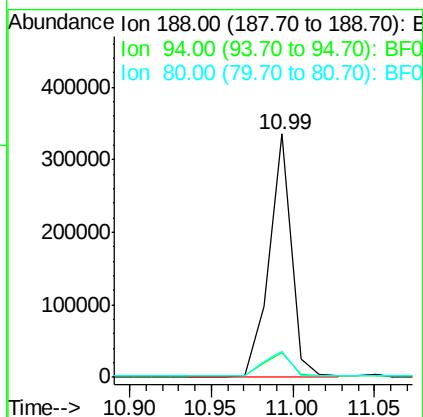
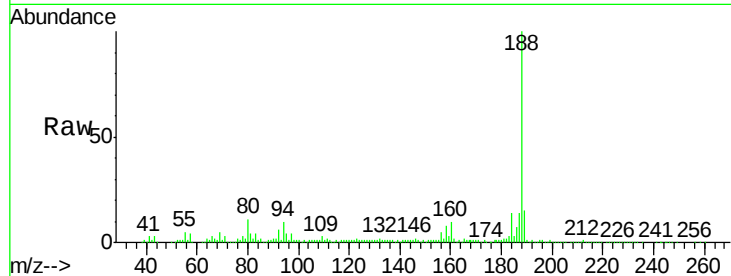




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 10.99 min Scan# 823
Delta R.T. -0.03 min
Lab File: BF090205.D
Acq: 23 Sep 2016 18:44

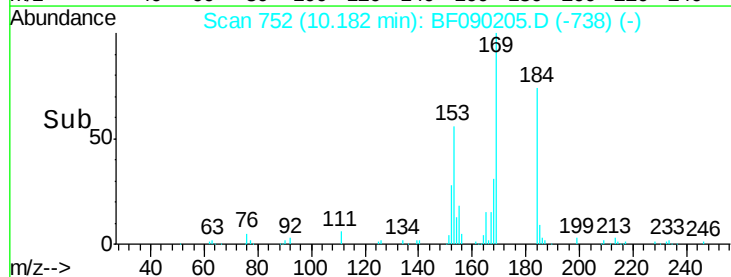
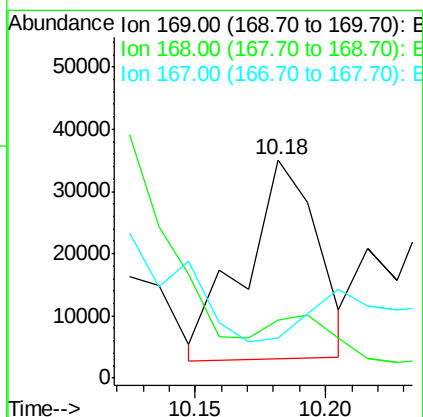
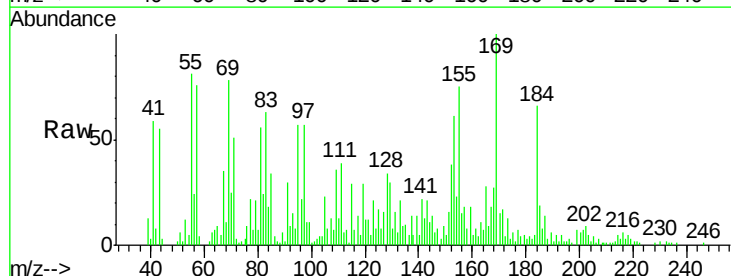
Instrument :
BNA_F
ClientSampleId :
SOILWASTE -CHARACTERIZATION

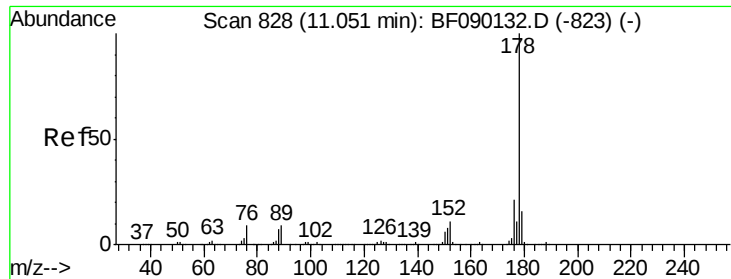
Tgt Ion:188 Resp: 317783
Ion Ratio Lower Upper
188 100
94 10.1 10.5 15.7#
80 10.7 11.2 16.8#



#65
n-Nitrosodiphenylamine
Concen: 5.94 ng
RT: 10.18 min Scan# 752
Delta R.T. -0.03 min
Lab File: BF090205.D
Acq: 23 Sep 2016 18:44

Tgt Ion:169 Resp: 62102
Ion Ratio Lower Upper
169 100
168 26.5 54.2 81.4#
167 18.1 30.3 45.5#

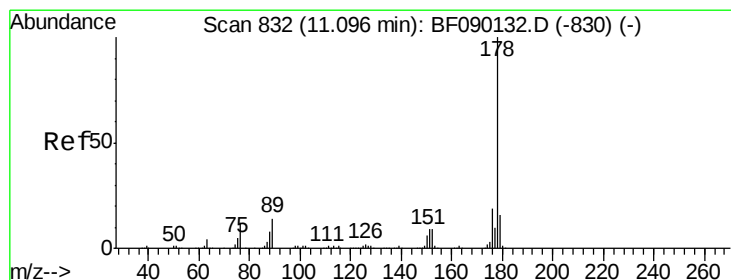
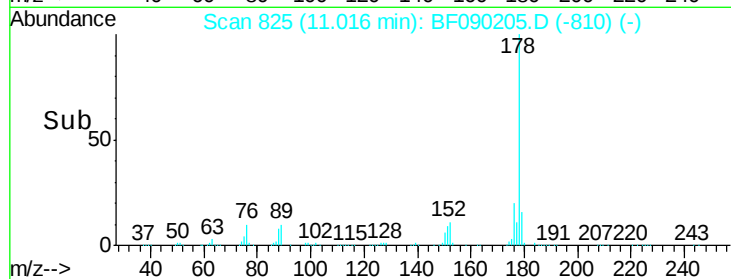
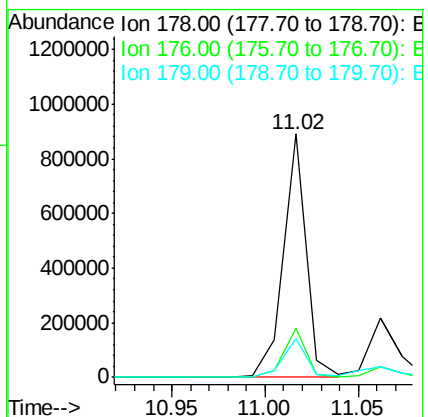
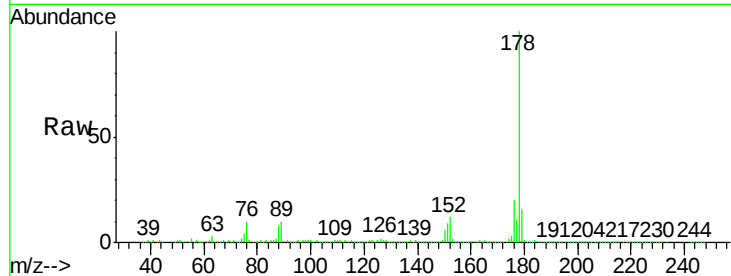




#70
Phenanthrene
Concen: 50.71 ng
RT: 11.02 min Scan# 825
Delta R.T. -0.03 min
Lab File: BF090205.D
Acq: 23 Sep 2016 18:44

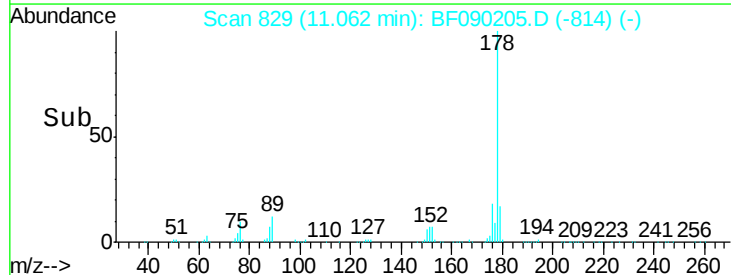
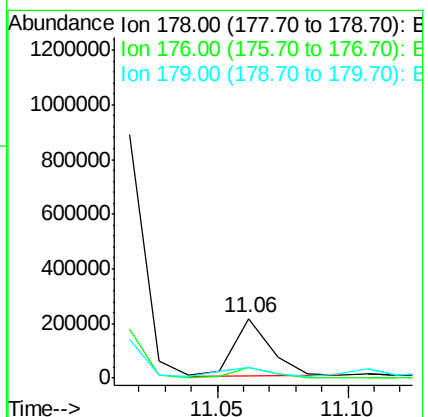
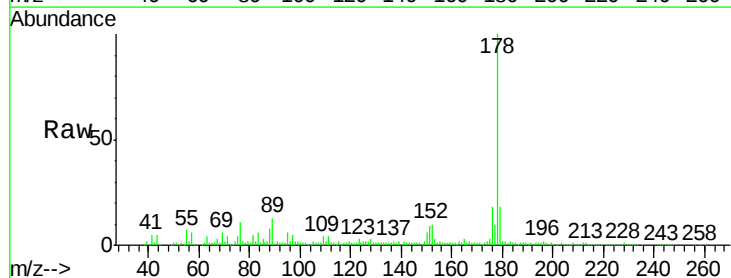
Instrument :
BNA_F
ClientSampleId :
SOILWASTE-CHARACTERIZATION

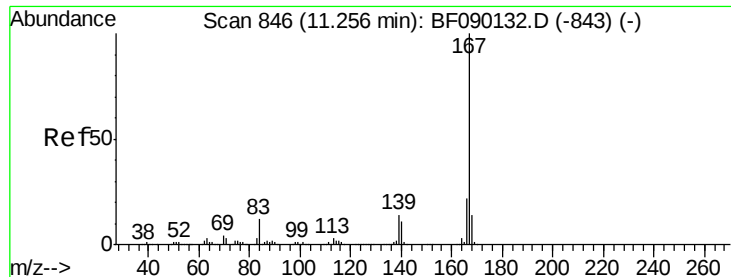
Tgt Ion:178 Resp: 753710
Ion Ratio Lower Upper
178 100
176 20.1 15.9 23.9
179 16.0 12.9 19.3



#71
Anthracene
Concen: 12.95 ng
RT: 11.06 min Scan# 829
Delta R.T. -0.03 min
Lab File: BF090205.D
Acq: 23 Sep 2016 18:44

Tgt Ion:178 Resp: 201862
Ion Ratio Lower Upper
178 100
176 18.4 15.8 23.6
179 18.3 12.6 19.0





#72

Carbazole

Concen: 3.86 ng

RT: 11.22 min Scan# 843

Delta R.T. -0.03 min

Lab File: BF090205.D

Acq: 23 Sep 2016 18:44

Instrument :

BNA_F

ClientSampleId :

SOILWASTE -CHARACTERIZATION

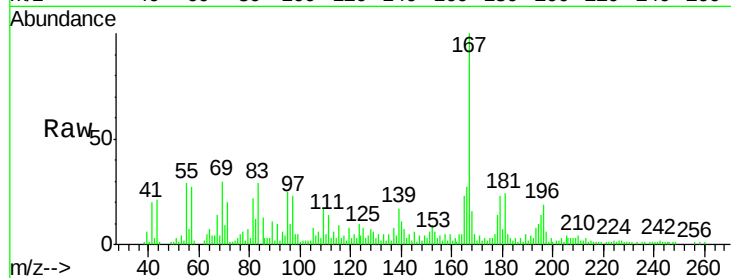
Tgt Ion:167 Resp: 63687

Ion Ratio Lower Upper

167 100

166 26.9 18.0 27.0

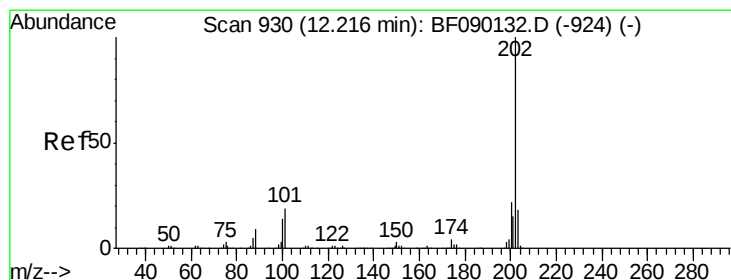
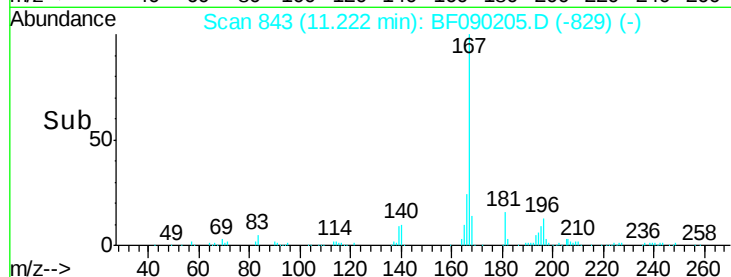
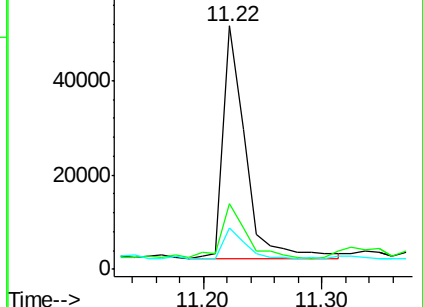
139 17.0 10.4 15.6#



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 49.94 ng

RT: 12.19 min Scan# 928

Delta R.T. -0.02 min

Lab File: BF090205.D

Acq: 23 Sep 2016 18:44

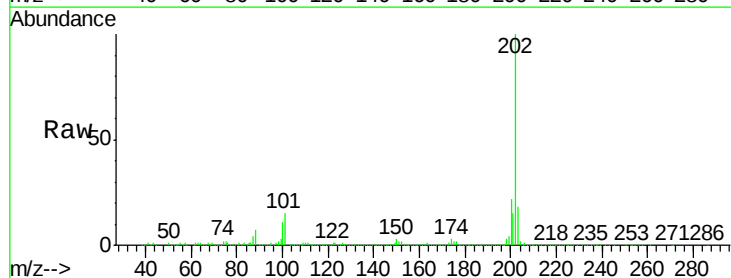
Tgt Ion:202 Resp: 796694

Ion Ratio Lower Upper

202 100

101 14.8 0.0 36.1

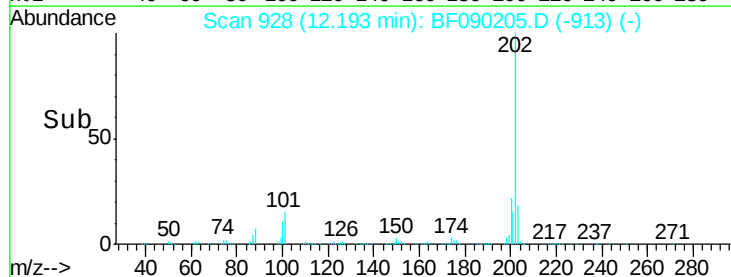
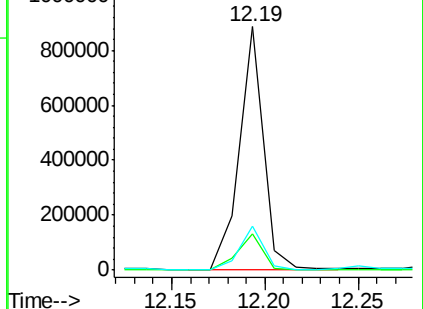
203 18.2 0.0 38.2

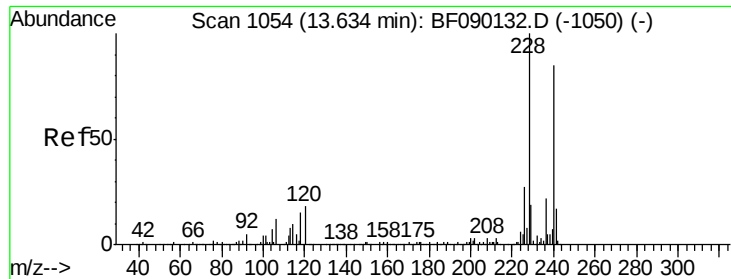


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.60 min Scan# 1051

Delta R.T. -0.03 min

Lab File: BF090205.D

Acq: 23 Sep 2016 18:44

Instrument :

BNA_F

ClientSampleId :

SOILWASTE-CHARACTERIZATION

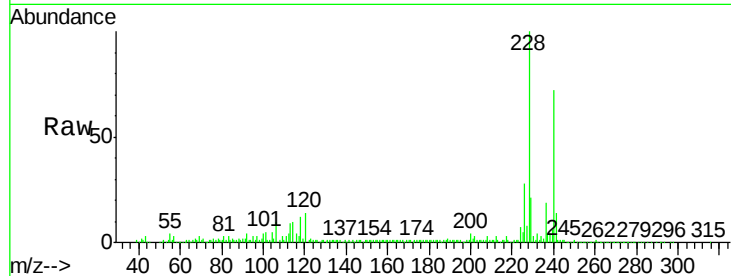
Tgt Ion:240 Resp: 241982

Ion Ratio Lower Upper

240 100

120 18.8 10.6 16.0#

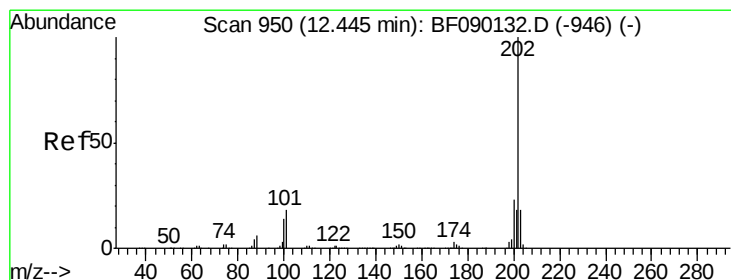
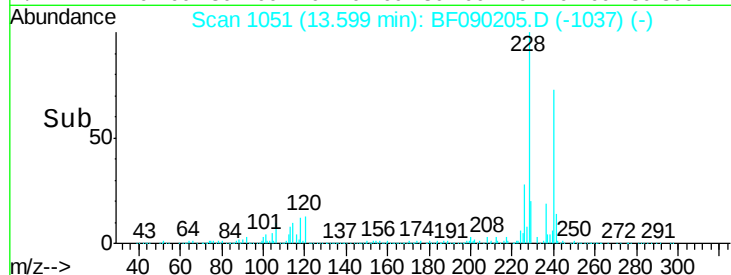
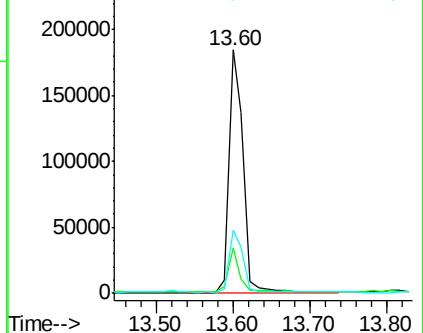
236 25.9 21.6 32.4



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 50.18 ng

RT: 12.41 min Scan# 947

Delta R.T. -0.03 min

Lab File: BF090205.D

Acq: 23 Sep 2016 18:44

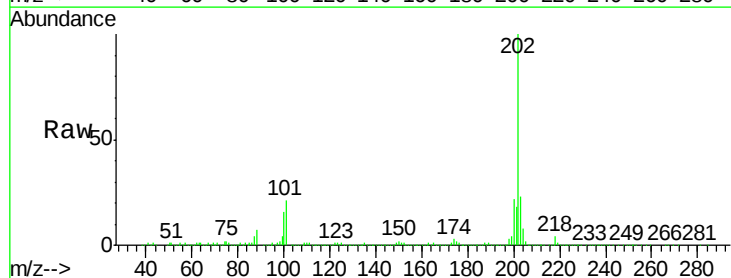
Tgt Ion:202 Resp: 830959

Ion Ratio Lower Upper

202 100

200 21.8 17.9 26.9

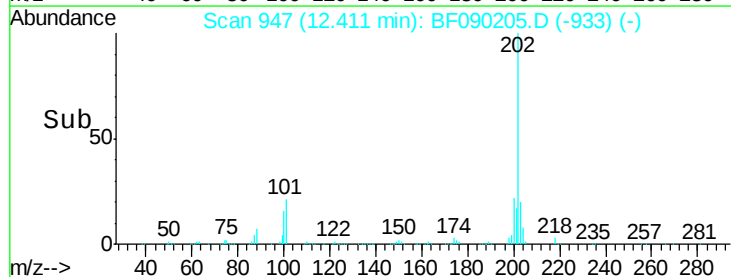
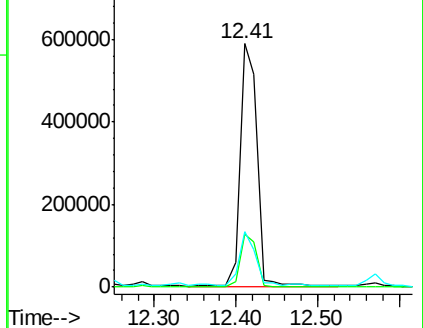
203 22.6 14.2 21.4#

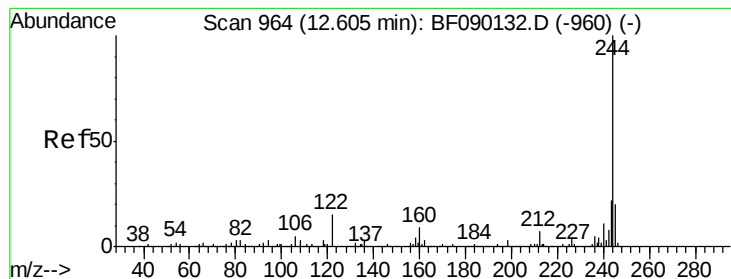


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 54.42 ng

RT: 12.57 min Scan# 961

Delta R.T. -0.03 min

Lab File: BF090205.D

Acq: 23 Sep 2016 18:44

Instrument :

BNA_F

ClientSampleId :

SOILWASTE -CHARACTERIZATION

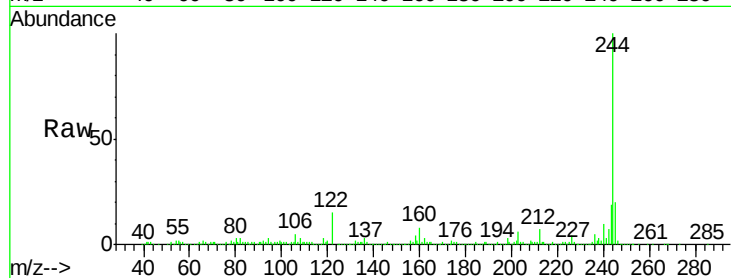
Tgt Ion:244 Resp: 518658

Ion Ratio Lower Upper

244 100

212 7.3 5.8 8.8

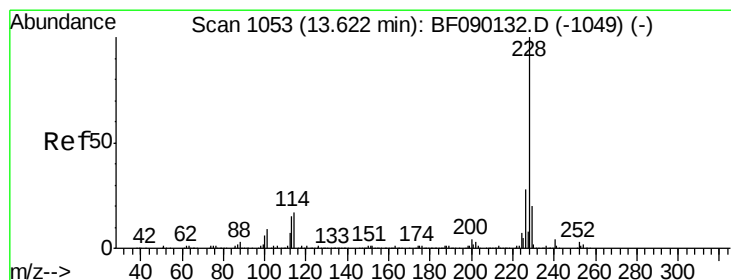
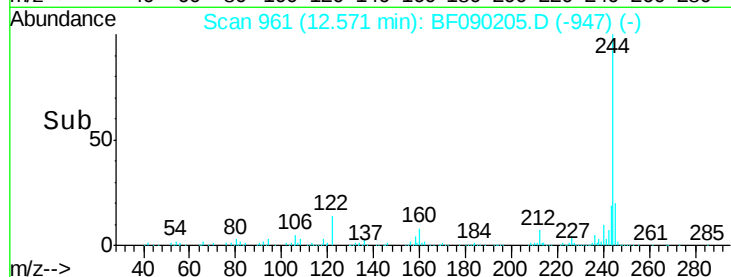
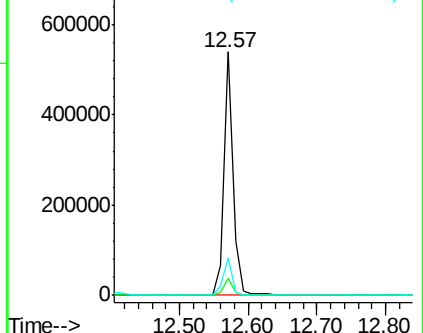
122 15.4 9.4 14.0#



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



#80

Benzo(a)anthracene

Concen: 30.02 ng

RT: 13.60 min Scan# 1051

Delta R.T. -0.02 min

Lab File: BF090205.D

Acq: 23 Sep 2016 18:44

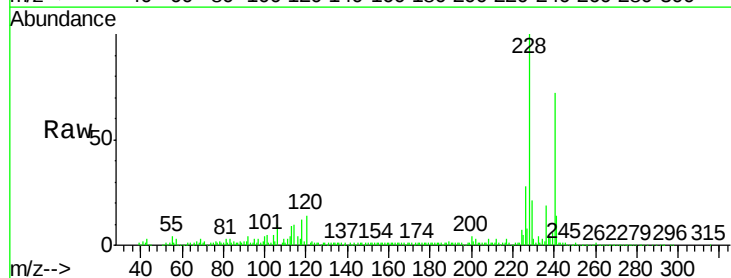
Tgt Ion:228 Resp: 390779

Ion Ratio Lower Upper

228 100

226 28.2 22.0 33.0

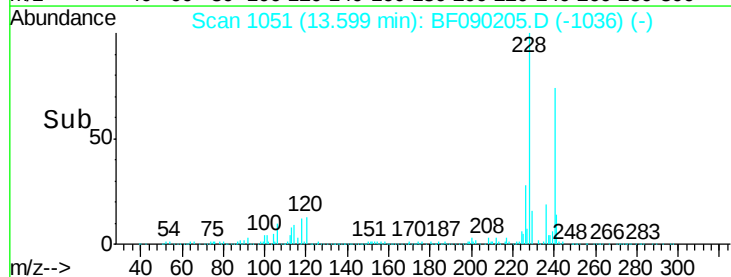
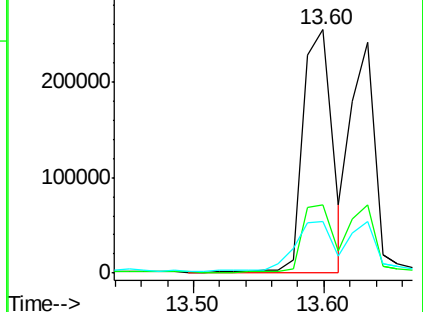
229 21.3 16.2 24.2

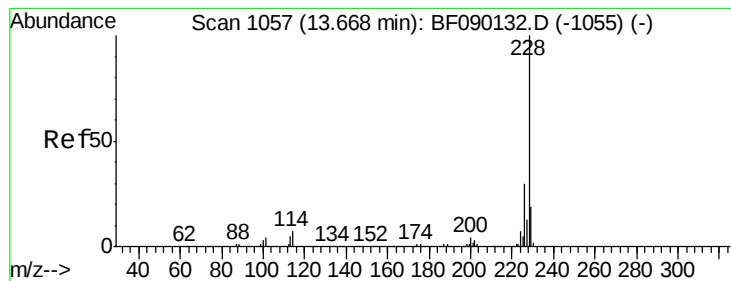


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 30.81 ng

RT: 13.60 min Scan# 1051

Delta R.T. -0.07 min

Lab File: BF090205.D

Acq: 23 Sep 2016 18:44

Instrument :

BNA_F

ClientSampleId :

SOILWASTE -CHARACTERIZATION

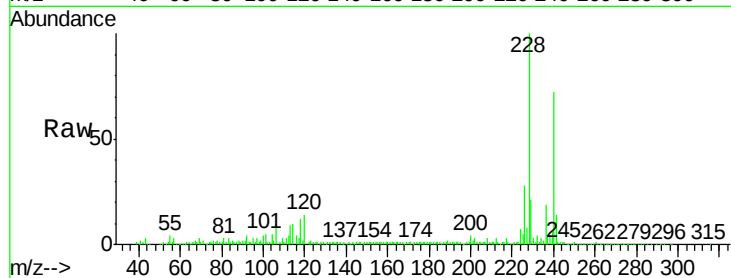
Tgt Ion:228 Resp: 390779

Ion Ratio Lower Upper

228 100

226 28.2 24.6 37.0

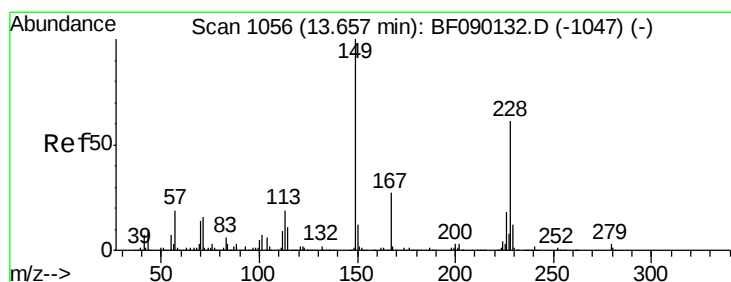
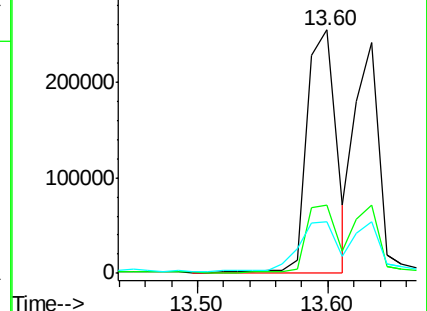
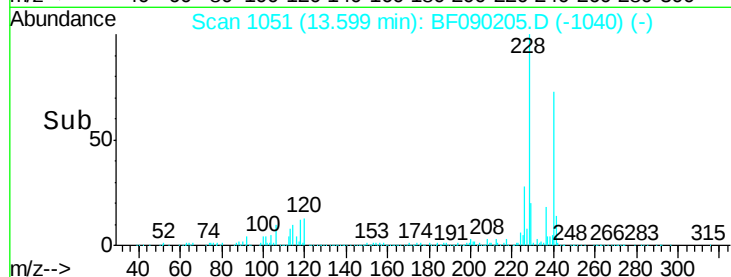
229 21.3 16.2 24.4



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Bis(2-ethylhexyl)phthalate

Concen: 11.02 ng

RT: 13.62 min Scan# 1053

Delta R.T. -0.03 min

Lab File: BF090205.D

Acq: 23 Sep 2016 18:44

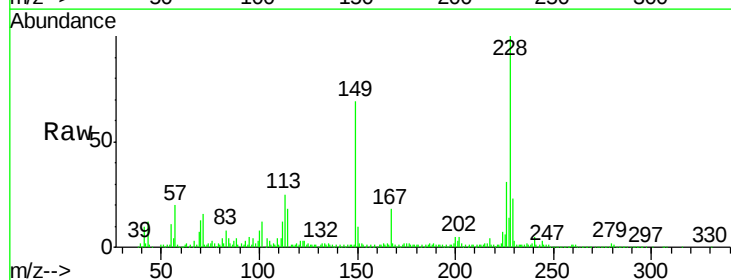
Tgt Ion:149 Resp: 114189

Ion Ratio Lower Upper

149 100

167 25.4 21.2 31.8

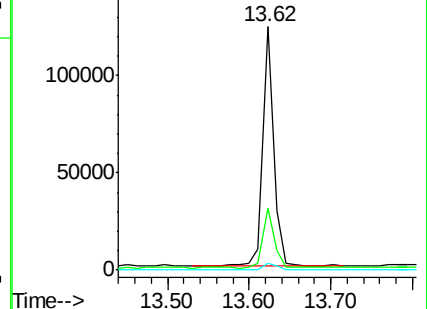
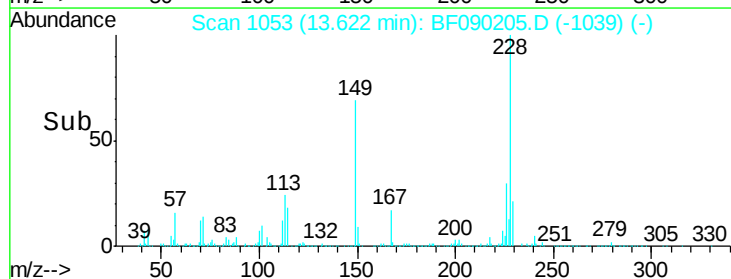
279 2.5 2.2 3.2

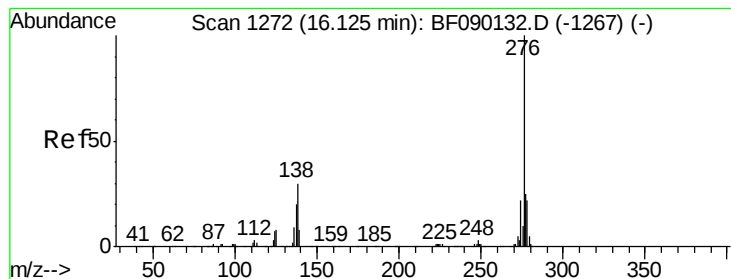


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Indeno(1,2,3-cd)pyrene

Concen: 16.64 ng

RT: 16.08 min Scan# 1268

Delta R.T. -0.05 min

Lab File: BF090205.D

Acq: 23 Sep 2016 18:44

Instrument :

BNA_F

ClientSampleId :

SOILWASTE -CHARACTERIZATION

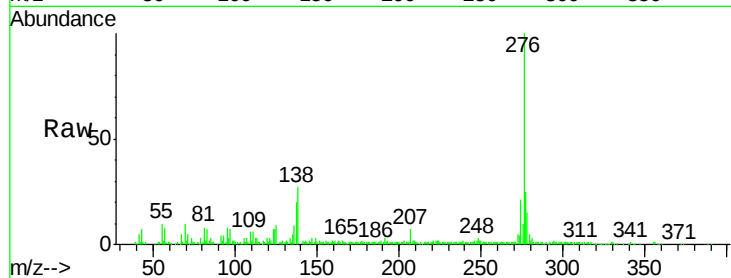
Tgt Ion:276 Resp: 170642

Ion Ratio Lower Upper

276 100

138 24.3 25.9 38.9#

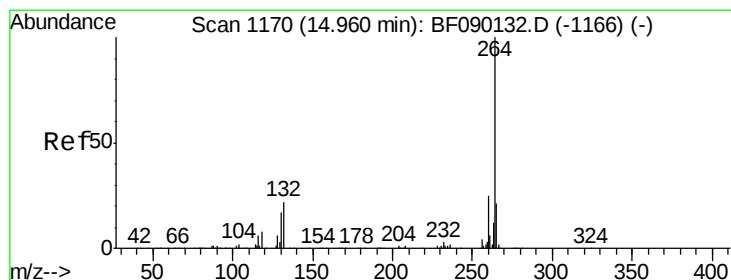
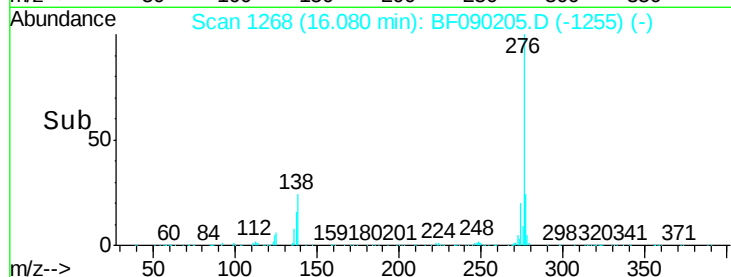
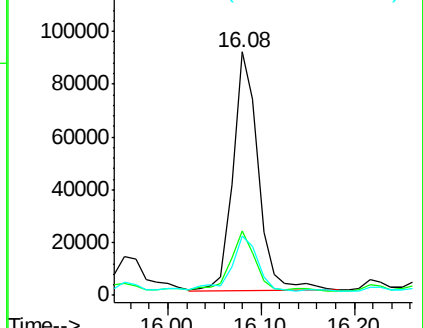
277 25.7 19.9 29.9



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 14.93 min Scan# 1167

Delta R.T. -0.03 min

Lab File: BF090205.D

Acq: 23 Sep 2016 18:44

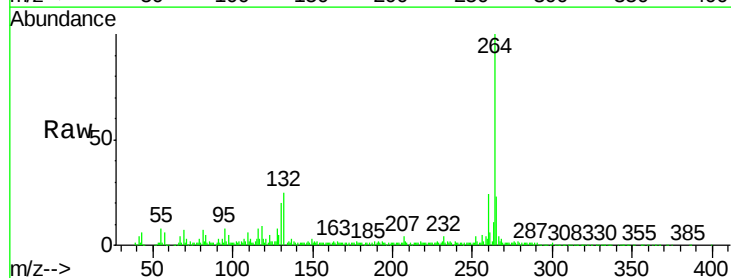
Tgt Ion:264 Resp: 229614

Ion Ratio Lower Upper

264 100

260 23.8 19.5 29.3

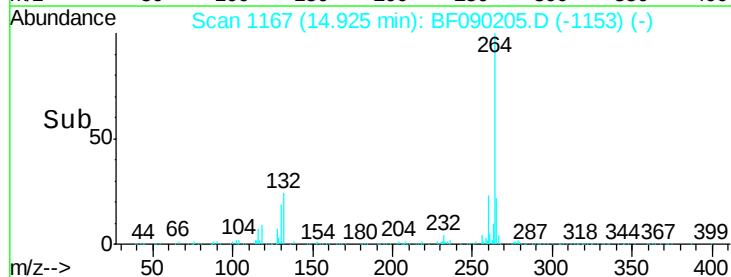
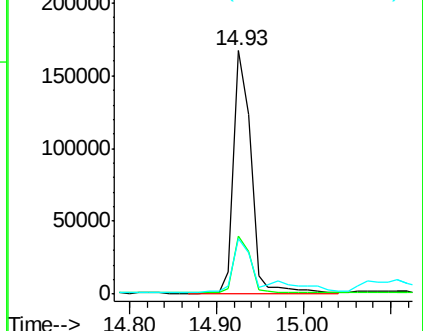
265 22.7 17.0 25.4

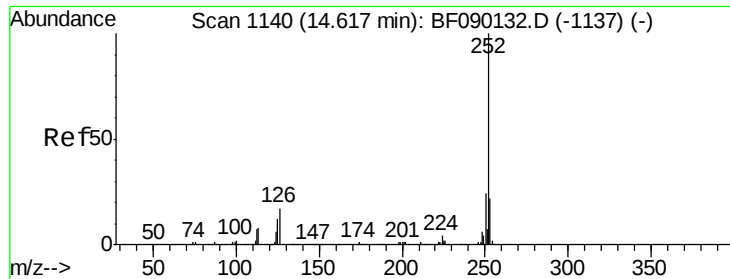


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 43.25 ng

RT: 14.59 min Scan# 1138

Delta R.T. -0.02 min

Lab File: BF090205.D

Acq: 23 Sep 2016 18:44

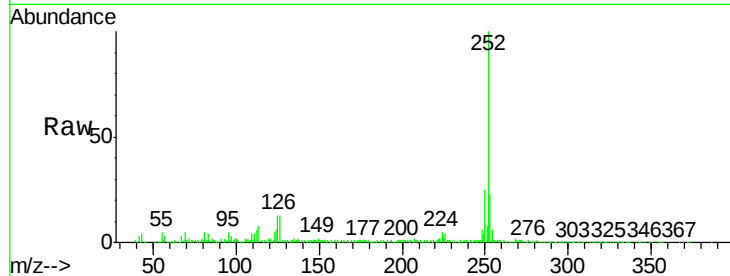
Instrument :

BNA_F

ClientSampleId :

SOILWASTE -CHARACTERIZATION

Tgt Ion:	252	Resp:	549868
Ion Ratio	Lower	Upper	
252	100		
253	23.3	17.9	26.9
125	13.5	12.7	19.1

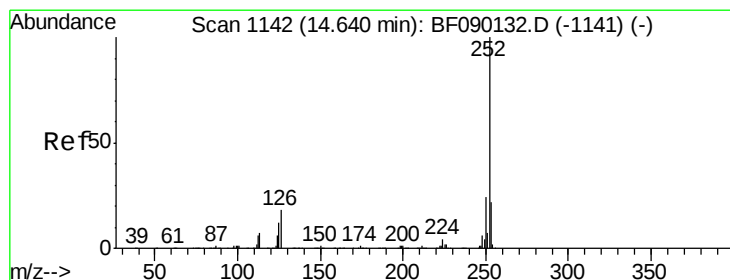
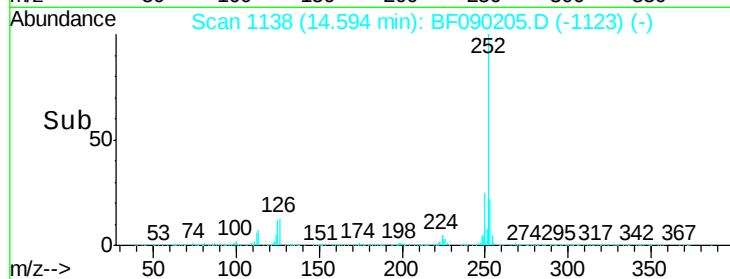
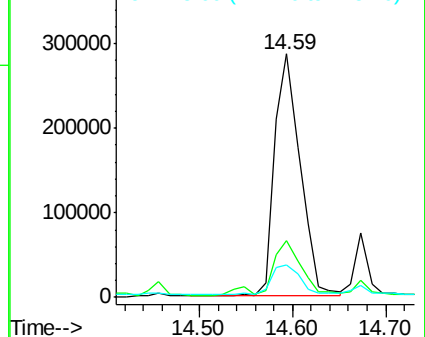


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 46.08 ng

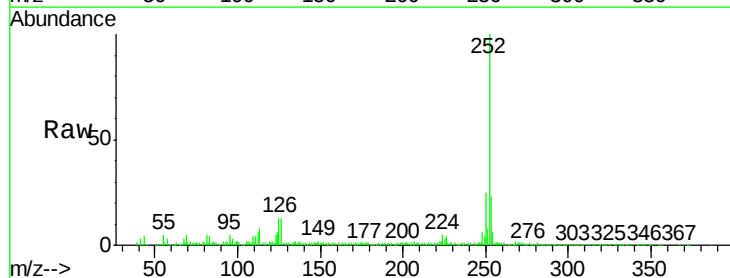
RT: 14.59 min Scan# 1138

Delta R.T. -0.05 min

Lab File: BF090205.D

Acq: 23 Sep 2016 18:44

Tgt Ion:	252	Resp:	549868
Ion Ratio	Lower	Upper	
252	100		
253	23.3	17.8	26.8
125	13.5	7.8	11.6#

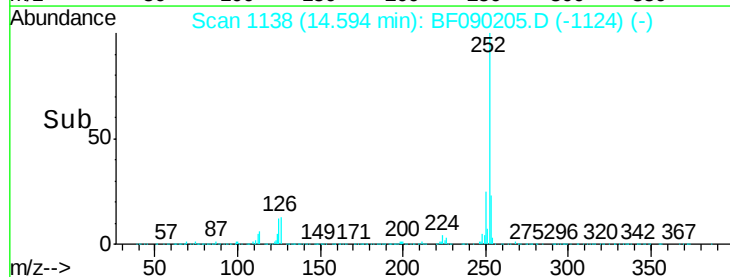
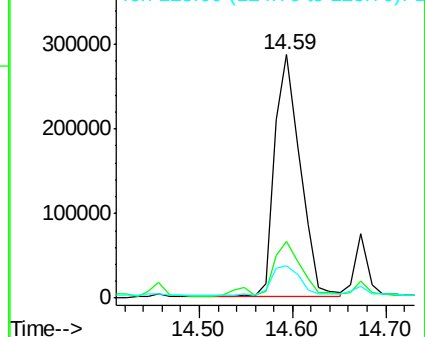


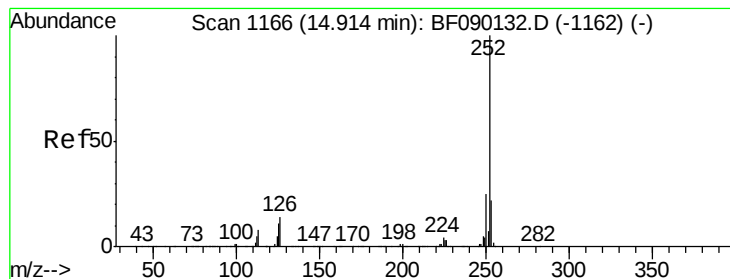
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 25.53 ng

RT: 14.88 min Scan# 1163

Delta R.T. -0.03 min

Lab File: BF090205.D

Acq: 23 Sep 2016 18:44

Instrument :

BNA_F

ClientSampleId :

SOILWASTE -CHARACTERIZATION

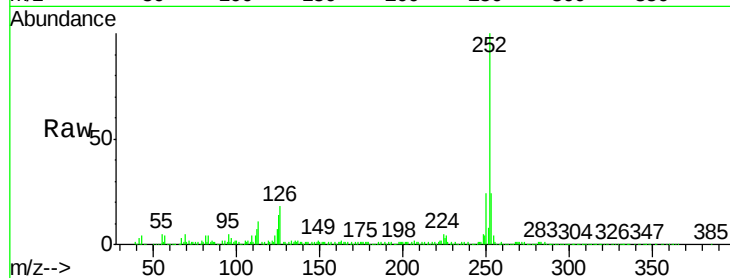
Tgt Ion:252 Resp: 305288

Ion Ratio Lower Upper

252 100

253 23.6 17.4 26.0

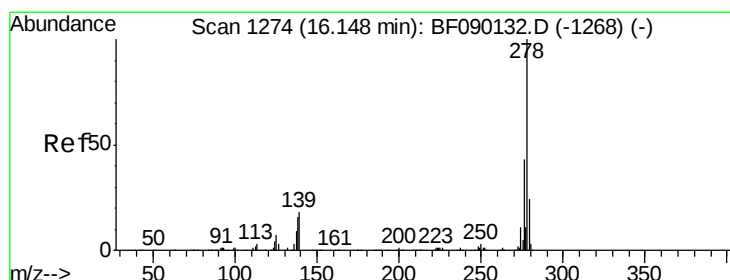
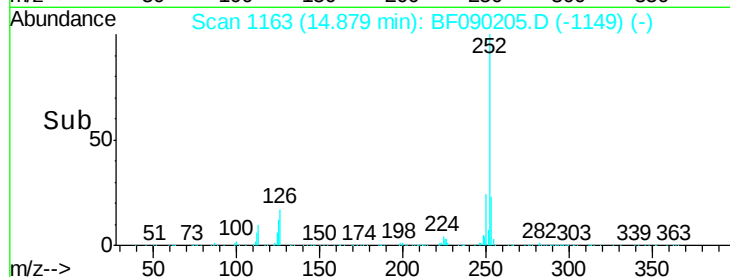
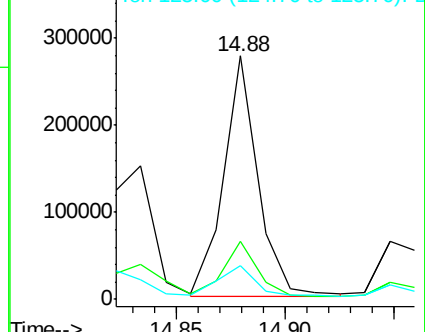
125 13.7 7.7 11.5#



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: 4.60 ng

RT: 16.09 min Scan# 1269

Delta R.T. -0.06 min

Lab File: BF090205.D

Acq: 23 Sep 2016 18:44

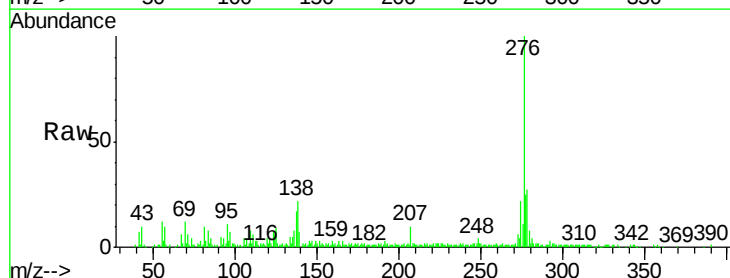
Tgt Ion:278 Resp: 42918

Ion Ratio Lower Upper

278 100

139 25.6 14.6 21.8#

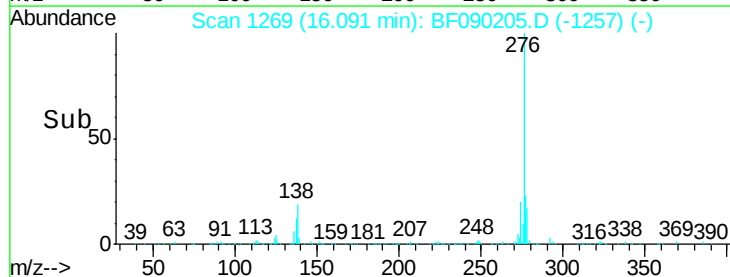
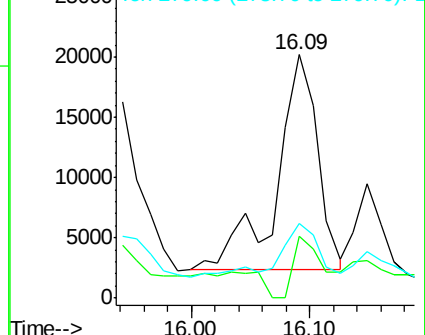
279 30.9 18.8 28.2#

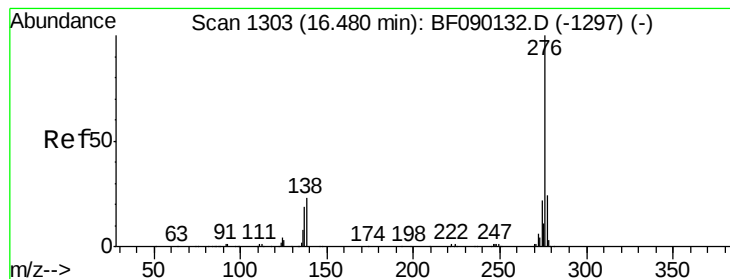


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(g,h,i)perylene

Concen: 17.89 ng

RT: 16.42 min Scan# 1298

Delta R.T. -0.06 min

Lab File: BF090205.D

Acq: 23 Sep 2016 18:44

Instrument :

BNA_F

ClientSampleId :

SOILWASTE -CHARACTERIZATION

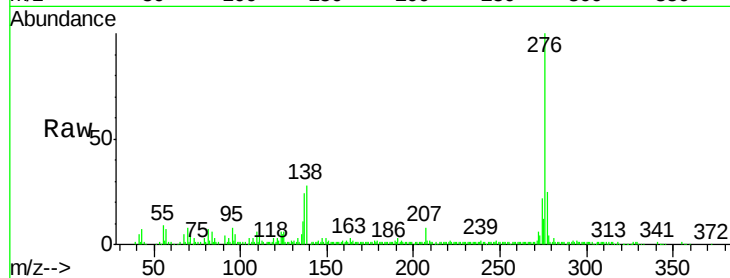
Tgt Ion:276 Resp: 163416

Ion Ratio Lower Upper

276 100

277 24.5 18.9 28.3

138 27.9 23.3 34.9



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

