

Data Path : Z:\HPCHEM1\BNA F\Data\BF101416\
 Data File : BF090572.D
 Acq On : 14 Oct 2016 16:33
 Operator : UM/SJ
 Sample : H5192-03
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOILWASTE-CHARACTERIZATION

Quant Time: Oct 14 17:06:20 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 14 02:03:28 2016
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.920	152	209858	20.00	ng	0.00
21) Naphthalene-d8	8.212	136	856712	20.00	ng	0.00
38) Acenaphthene-d10	9.972	164	430788	20.00	ng	0.00
63) Phenanthrene-d10	11.458	188	708527	20.00	ng	0.00
75) Chrysene-d12	14.098	240	493707	20.00	ng	0.00
86) Perylene-d12	15.573	264	493022	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.526	112	1002828	87.60	ng	0.00
7) Phenol-d6	6.555	99	1650145	97.01	ng	0.00
23) Nitrobenzene-d5	7.480	82	971508	62.99	ng	-0.01
41) 2,4,6-Tribromophenol	10.761	330	392526	102.20	ng	0.00
44) 2-Fluorobiphenyl	9.286	172	1262962	48.31	ng	0.00
78) Terphenyl-d14	13.047	244	1081796	51.02	ng	0.00
Target Compounds						
						Qvalue
4) n-Nitrosodimethylamine	3.274	42	213	7.21	ng	# 1
18) Hexachloroethane	7.492	117	220536	34.66	ng	# 17
19) n-Nitroso-di-n-propyla...	7.355	70	29054	2.49	ng	# 65
24) Nitrobenzene	7.457	77	50157	3.17	ng	# 36
25) Isophorone	7.732	82	138077	4.92	ng	# 1
26) 2-Nitrophenol	7.823	139	15209	2.12	ng	# 1
31) Naphthalene	8.235	128	254293	5.83	ng	# 77
33) 4-Chloroaniline	8.235	127	47037	2.82	ng	# 20
35) Caprolactam	8.646	113	178754	61.37	ng	95
37) 2-Methylnaphthalene	8.932	142	147057	5.74	ng	96
49) Dimethylphthalate	9.686	163	324726	11.62	ng	# 80
50) 2,6-Dinitrotoluene	9.743	165	31612	5.17	ng	# 75
51) Acenaphthene	10.006	154	164994	6.38	ng	93
52) 3-Nitroaniline	9.926	138	31186	4.06	ng	# 22
53) 2,4-Dinitrophenol	10.018	184	645	5.86	ng	# 1
54) Dibenzofuran	10.178	168	114191	3.36	ng	# 1
55) 4-Nitrophenol	10.075	139	49927	10.81	ng	# 1
56) 2,4-Dinitrotoluene	10.178	165	35821	4.31	ng	# 63
57) Fluorene	10.521	166	162316	5.78	ng	# 85
61) 4-Nitroaniline	10.429	138	20921	2.72	ng	85
65) n-Nitrosodiphenylamine	10.578	169	282094	12.05	ng	94
70) Phenanthrene	11.492	178	1450352	38.35	ng	97
71) Anthracene	11.492	178	1450352	35.63	ng	98
72) Carbazole	11.698	167	172511	4.73	ng	# 69
74) Fluoranthene	12.669	202	1792939	47.13	ng	94
77) Pyrene	12.898	202	1632991	49.94	ng	96
80) Benzo(a)anthracene	14.087	228	1207742	42.97	ng	98
82) Chrysene	14.087	228	1207742	44.60	ng	95
85) Indeno(1,2,3-cd)pyrene	17.036	276	805347	51.43	ng	94
87) Benzo(b)fluoranthene	15.138	252	2006643	62.20	ng	98
88) Benzo(k)fluoranthene	15.138	252	2006643	57.81	ng	# 96
89) Benzo(a)pyrene	15.504	252	1264973	42.83	ng	97
90) Dibenzo(a,h)anthracene	17.036	278	204404	9.07	ng	93

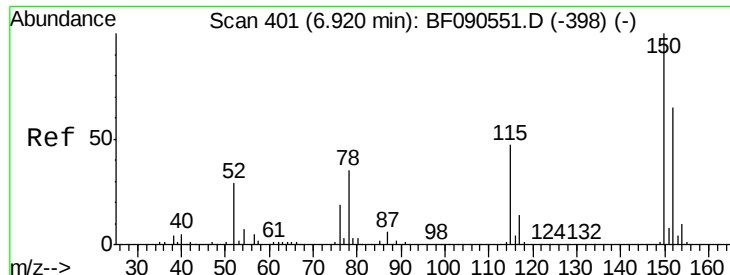
Data Path : Z:\HPCHEM1\BNA F\Data\BF101416\
Data File : BF090572.D
Acq On : 14 Oct 2016 16:33
Operator : UM/SJ
Sample : H5192-03
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Instrument :
BNA_F
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SOILWASTE-CHARACTERIZATION

Quant Time: Oct 14 17:06:20 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 14 02:03:28 2016
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
91) Benzo(q,h,i)perylene	17.470	276	659013	30.68	nq	98

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.920 min Scan# 40

Delta R.T. 0.000 min

Lab File: BF090572.D

Acq: 14 Oct 2016 16:33

Instrument :

BNA_F

ClientSampleId :

SOILWASTE-CHARACTERIZATION

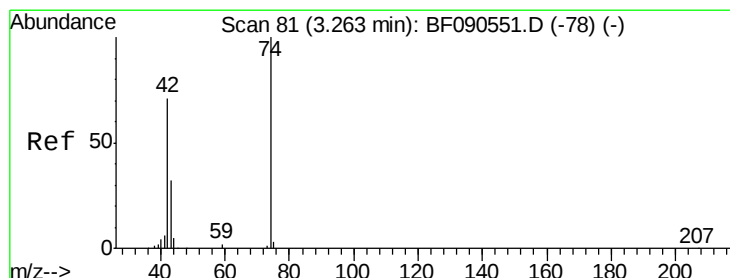
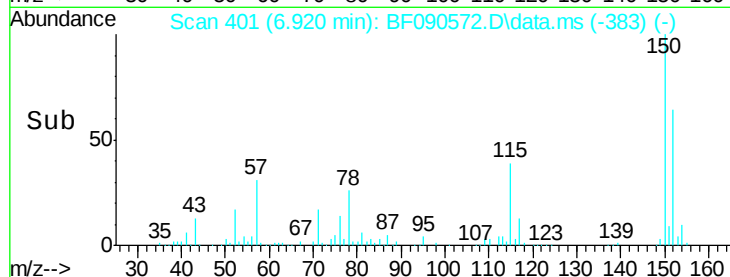
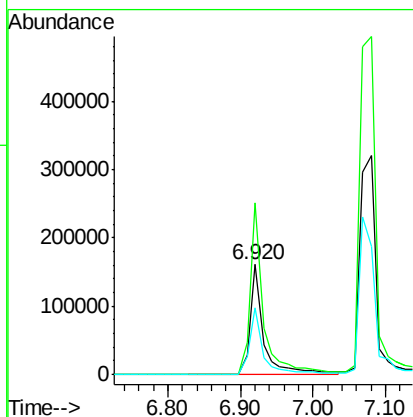
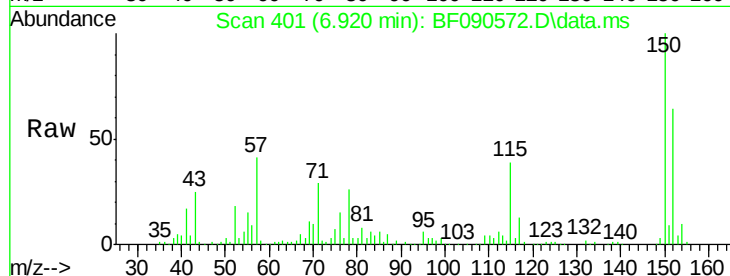
Tot Ion:152 Resp: 209858

Ion Ratio Lower Upper

152 100

150 156.5 127.2 190.8

115 60.9 58.6 88.0



#4

n-Nitrosodimethylamine

Concen: 7.21 ng

RT: 3.274 min Scan# 82

Delta R.T. 0.012 min

Lab File: BF090572.D

Acq: 14 Oct 2016 16:33

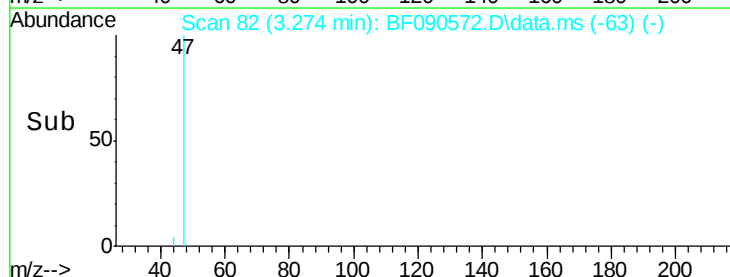
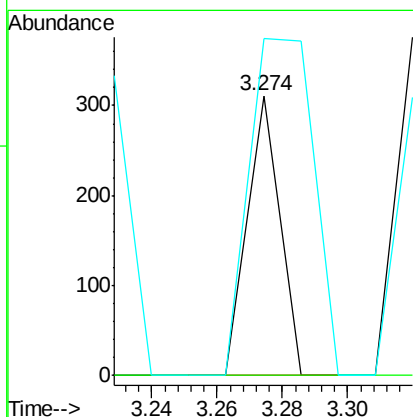
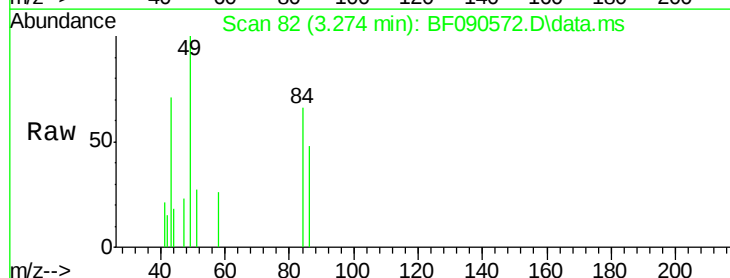
Tgt Ion: 42 Resp: 213

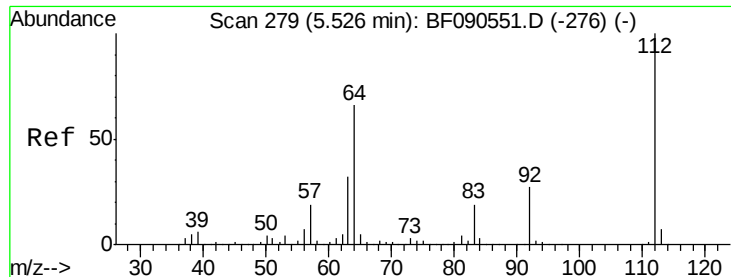
Ion Ratio Lower Upper

42 100

74 0.0 113.3 169.9#

44 120.3 6.0 9.0#





#5

2-Fluorophenol

Concen: 87.60 ng

RT: 5.526 min Scan# 27

Delta R.T. 0.001 min

Lab File: BF090572.D

Acq: 14 Oct 2016 16:33

Instrument :

BNA_F

ClientSampleId :

SOILWASTE-CHARACTERIZATION

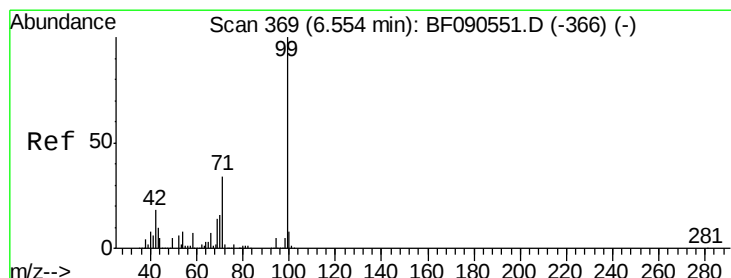
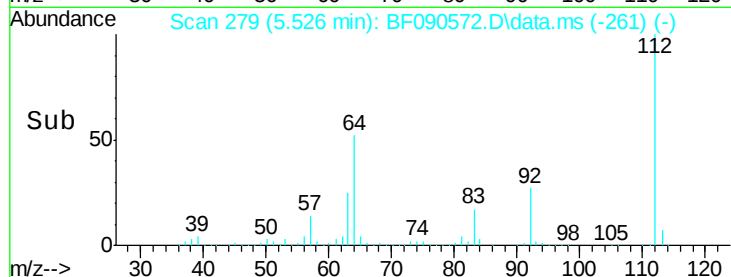
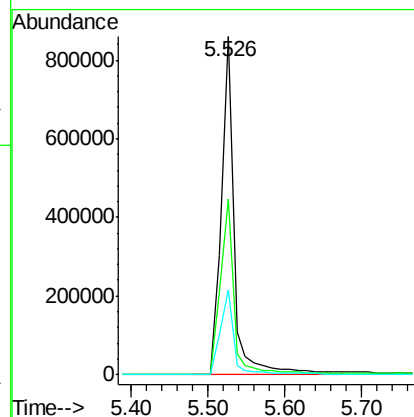
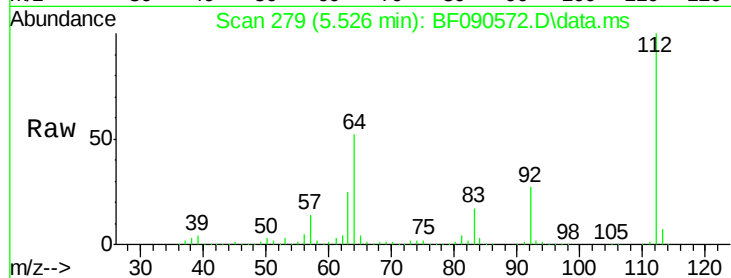
Tot Ion:112 Resp: 1002828

Ion Ratio Lower Upper

112 100

64 51.9 52.6 78.8#

63 25.2 26.0 39.0#



#7

Phenol-d6

Concen: 97.01 ng

RT: 6.555 min Scan# 369

Delta R.T. 0.000 min

Lab File: BF090572.D

Acq: 14 Oct 2016 16:33

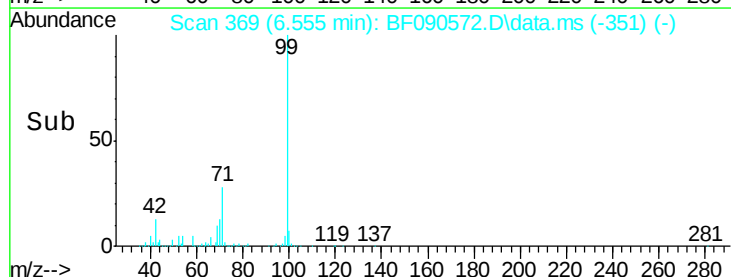
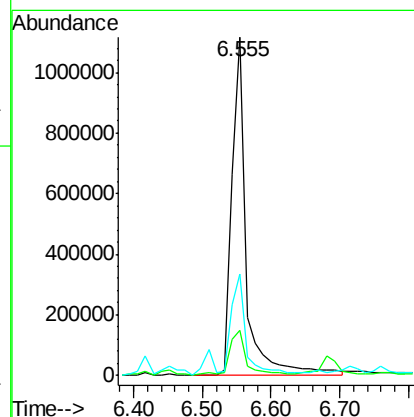
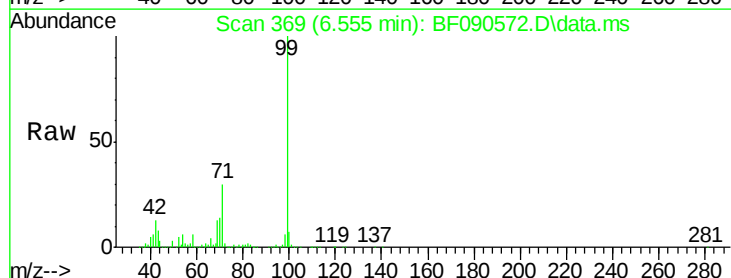
Tgt Ion: 99 Resp: 1650145

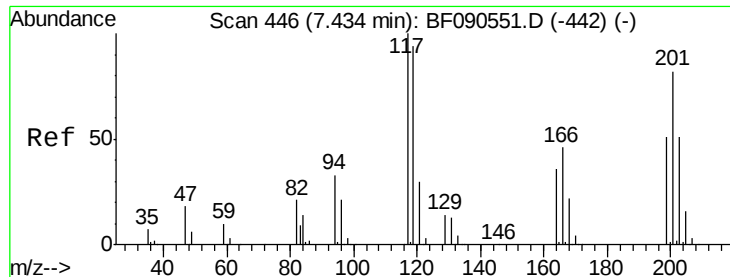
Ion Ratio Lower Upper

99 100

42 13.4 14.7 22.1#

71 30.0 27.6 41.4





#18

Hexachloroethane

Concen: 34.66 ng

RT: 7.492 min Scan# 451

Delta R.T. 0.057 min

Lab File: BF090572.D

Acq: 14 Oct 2016 16:33

Instrument :

BNA_F

ClientSampleId :

SOILWASTE-CHARACTERIZATION

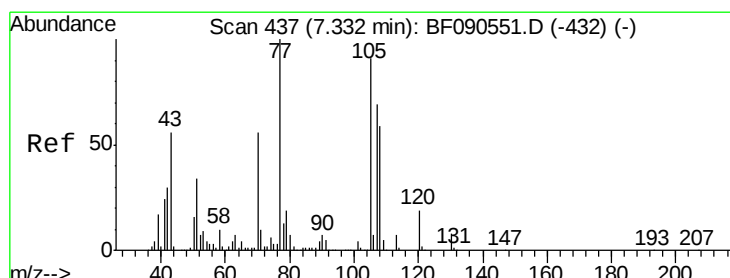
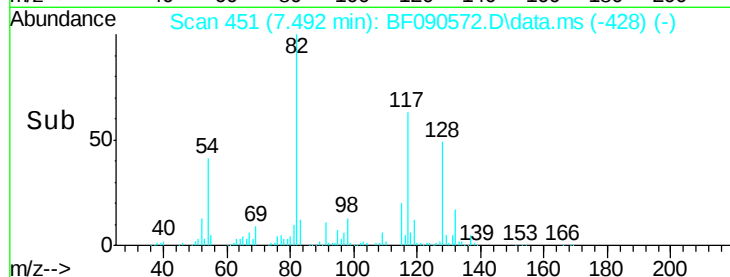
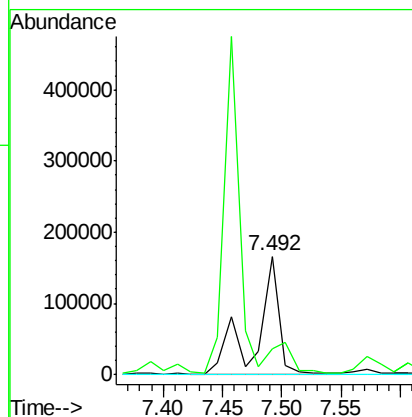
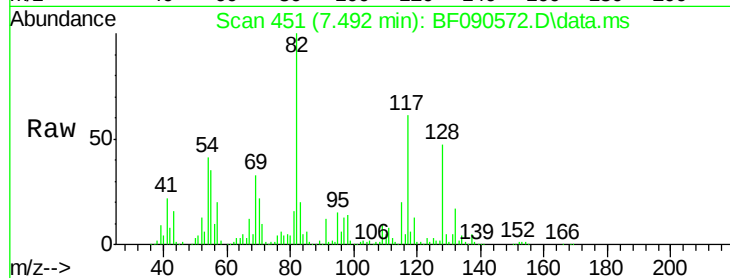
Tot Ion:117 Resp: 220536

Ion Ratio Lower Upper

117 100

119 21.5 75.6 113.4#

201 0.0 65.4 98.0#



#19

n-Nitroso-di-n-propylamine

Concen: 2.49 ng

RT: 7.355 min Scan# 439

Delta R.T. 0.023 min

Lab File: BF090572.D

Acq: 14 Oct 2016 16:33

Tgt Ion: 70 Resp: 29054

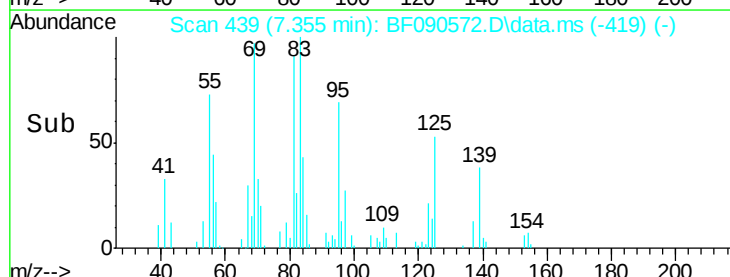
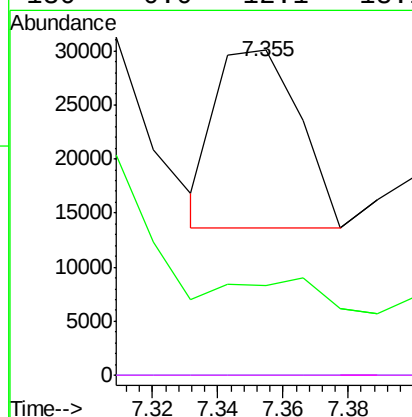
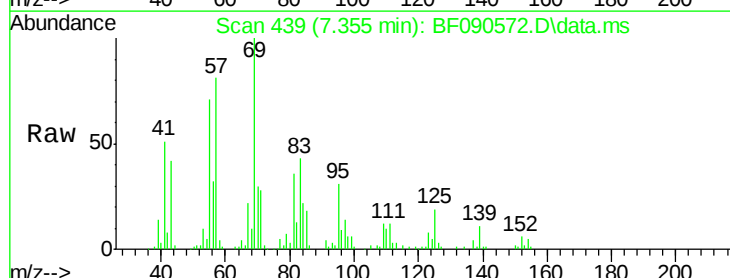
Ion Ratio Lower Upper

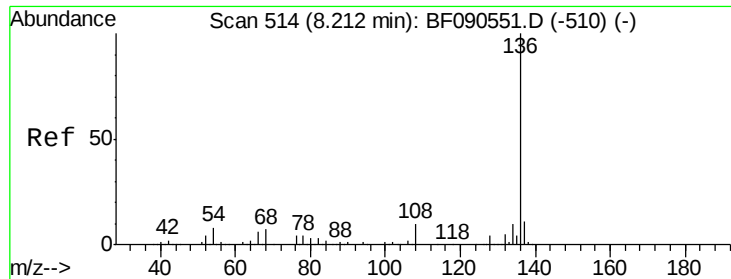
70 100

42 27.7 43.4 65.0#

101 0.0 6.4 9.6#

130 0.0 12.1 18.1#

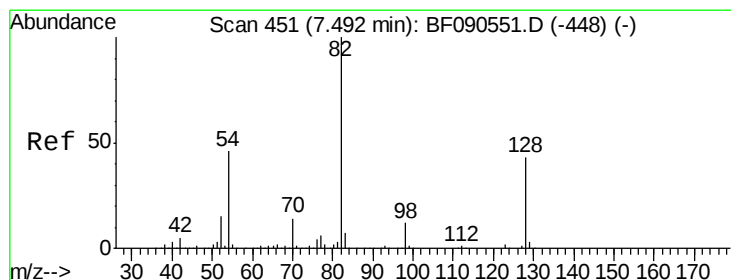
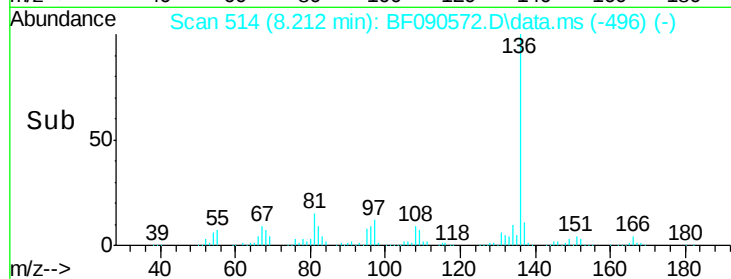
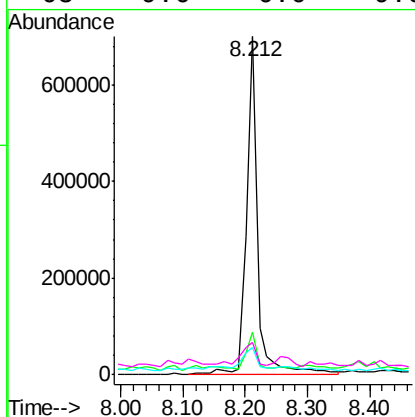
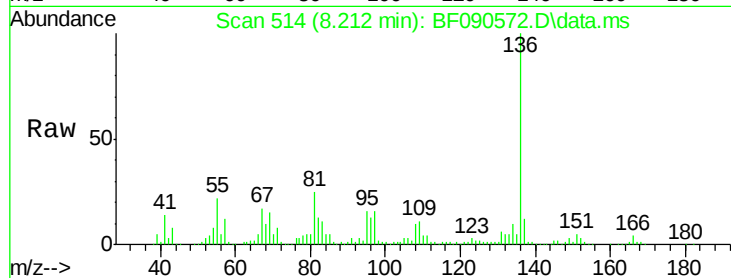




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.212 min Scan# 51
Delta R.T. 0.000 min
Lab File: BF090572.D
Acq: 14 Oct 2016 16:33

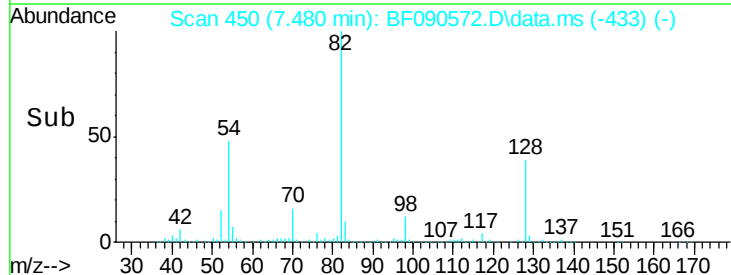
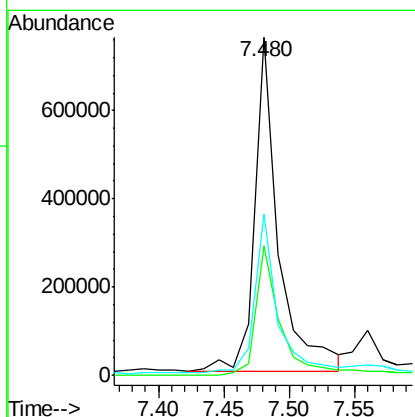
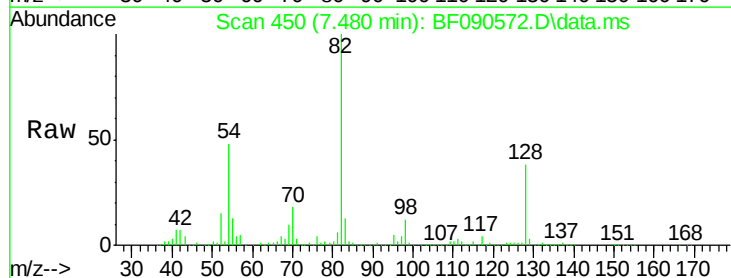
Instrument :
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ClientSampleId :
SOILWASTE-CHARACTERIZATION

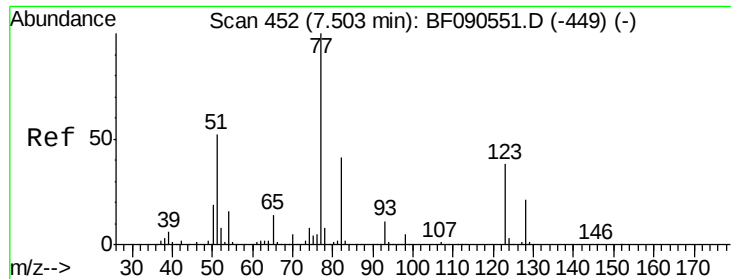
Tot Ion:136	Resp:	856712
Ion Ratio	Lower	Upper
136	100	
137	12.5	8.8 13.2
54	7.8	6.8 10.2
68	9.6	6.0 9.0#



#23
Nitrobenzene-d5
Concen: 62.99 ng
RT: 7.480 min Scan# 450
Delta R.T. -0.011 min
Lab File: BF090572.D
Acq: 14 Oct 2016 16:33

Tgt Ion: 82	Resp:	971508
Ion Ratio	Lower	Upper
82	100	
128	38.3	34.3 51.5
54	47.9	37.0 55.6

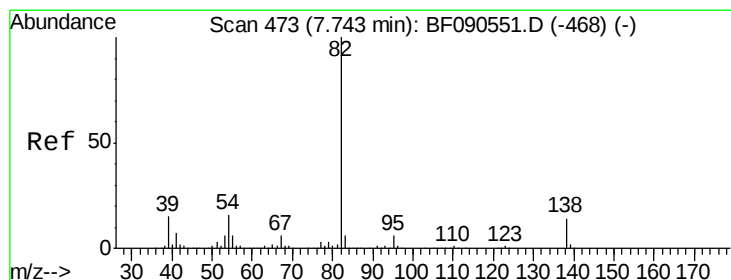
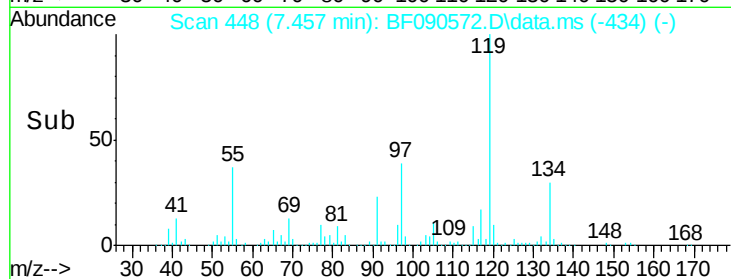
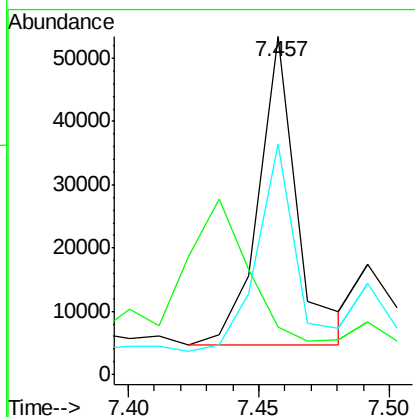
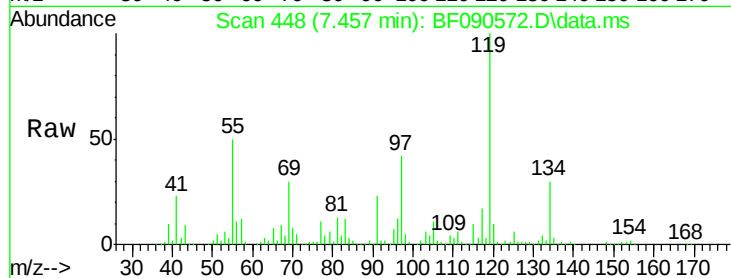




#24
Nitrobenzene
Concen: 3.17 ng
RT: 7.457 min Scan# 44
Delta R.T. -0.046 min
Lab File: BF090572.D
Acq: 14 Oct 2016 16:33

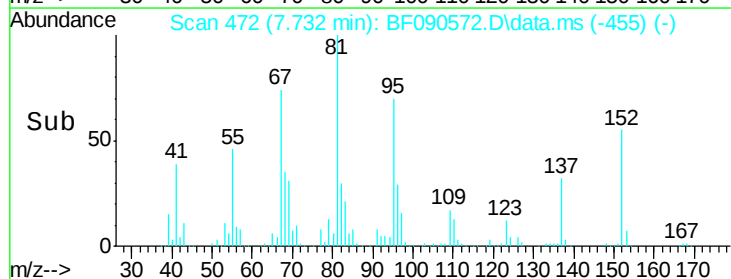
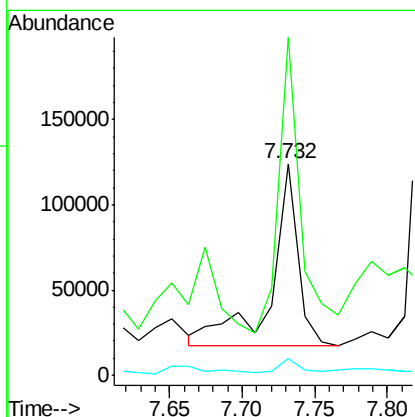
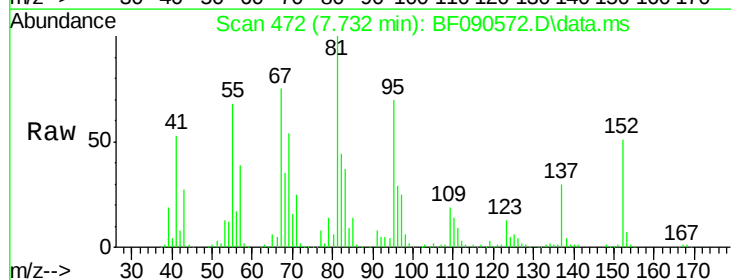
Instrument :
BNA_F
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SOILWASTE-CHARACTERIZATION

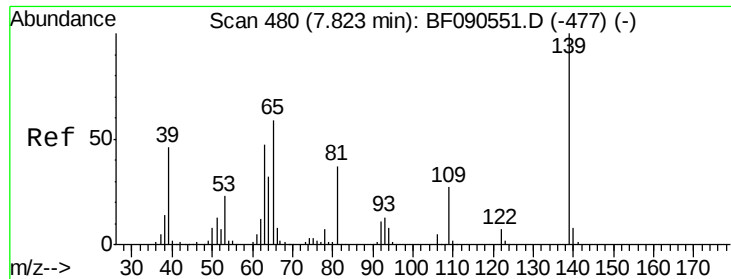
Tot Ion: 77 Resp: 50157
Ion Ratio Lower Upper
77 100
123 14.2 29.8 44.6#
65 68.0 10.9 16.3#



#25
Isophorone
Concen: 4.92 ng
RT: 7.732 min Scan# 472
Delta R.T. -0.011 min
Lab File: BF090572.D
Acq: 14 Oct 2016 16:33

Tgt Ion: 82 Resp: 138077
Ion Ratio Lower Upper
82 100
95 159.5 5.0 7.6#
138 8.1 11.5 17.3#





#26

2-Nitrophenol

Concen: 2.12 ng

RT: 7.823 min Scan# 48

Delta R.T. 0.000 min

Lab File: BF090572.D

Acq: 14 Oct 2016 16:33

Instrument :

BNA_F

ClientSampleId :

SOILWASTE-CHARACTERIZATION

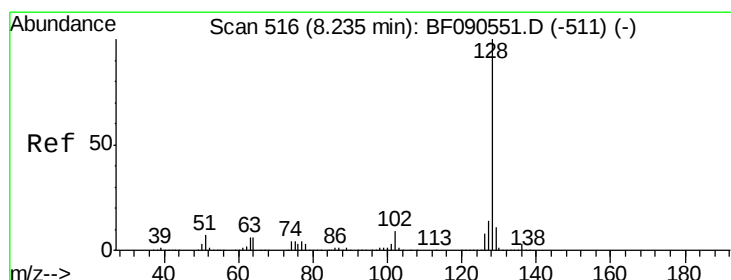
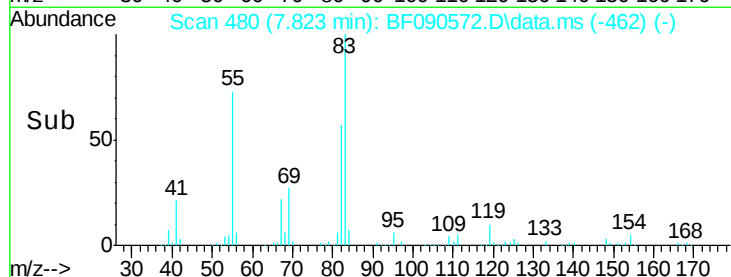
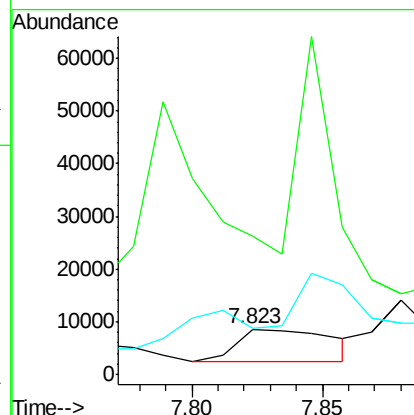
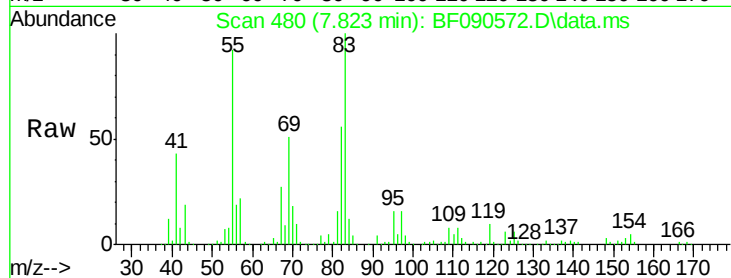
Tot Ion:139 Resp: 15209

Ion Ratio Lower Upper

139 100

109 306.5 21.8 32.6#

65 101.6 47.7 71.5#



#31

Naphthalene

Concen: 5.83 ng

RT: 8.235 min Scan# 516

Delta R.T. 0.000 min

Lab File: BF090572.D

Acq: 14 Oct 2016 16:33

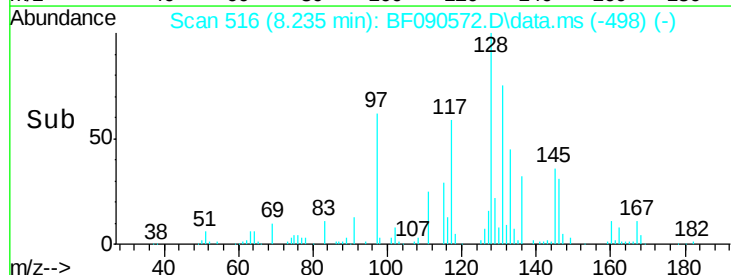
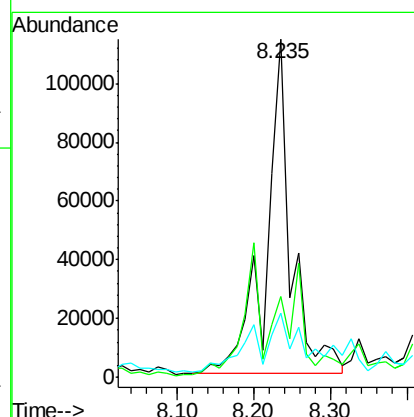
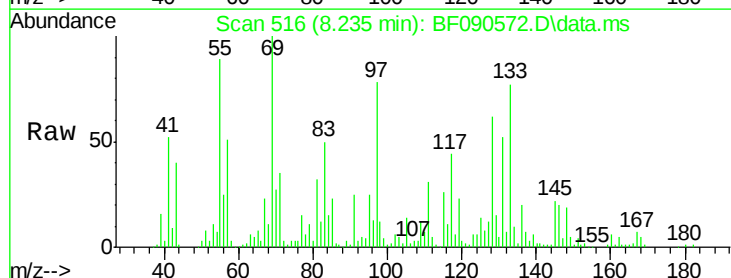
Tgt Ion:128 Resp: 254293

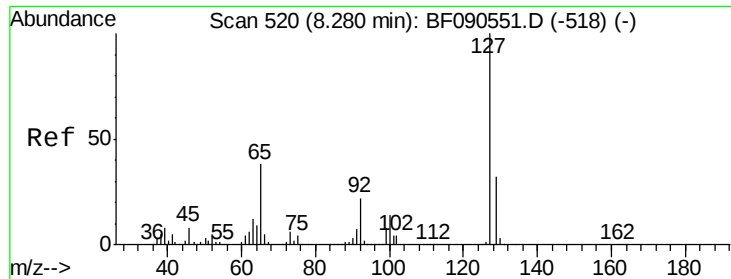
Ion Ratio Lower Upper

128 100

129 23.8 9.0 13.6#

127 19.2 10.8 16.2#

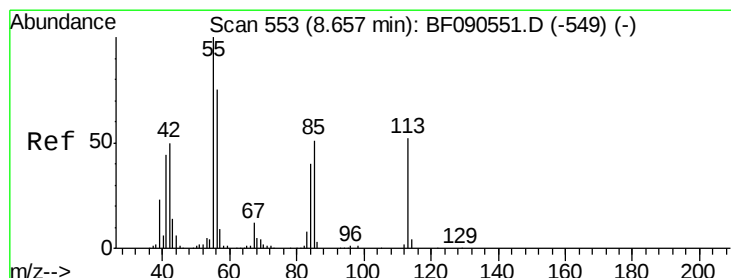
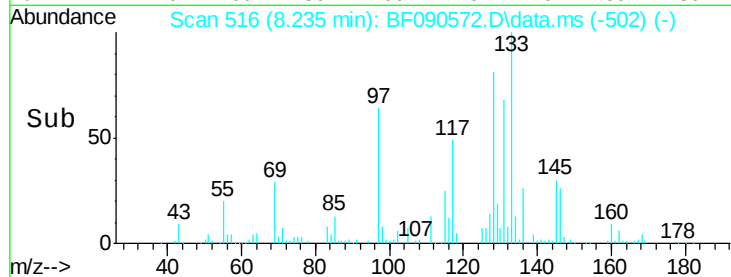
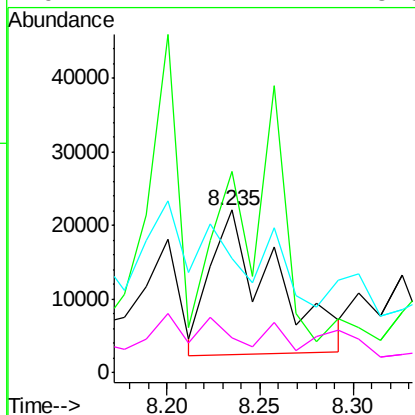
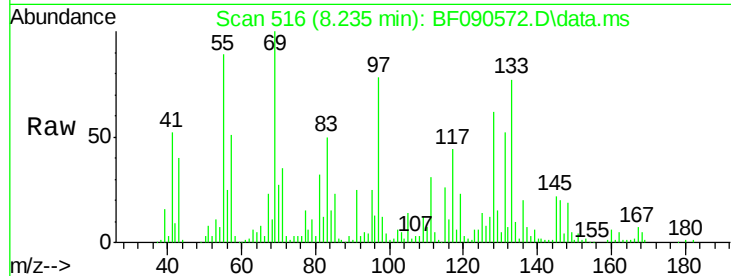




#33
4-Chloroaniline
Concen: 2.82 ng
RT: 8.235 min Scan# 51
Delta R.T. -0.046 min
Lab File: BF090572.D
Acq: 14 Oct 2016 16:33

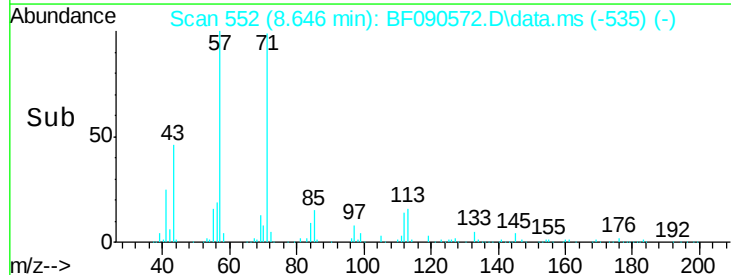
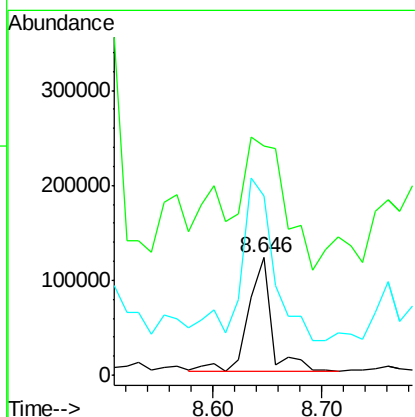
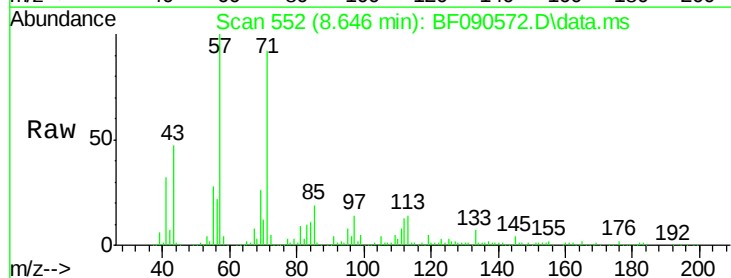
Instrument :
BNA_F
ClientSampleId :
SOILWASTE-CHARACTERIZATION

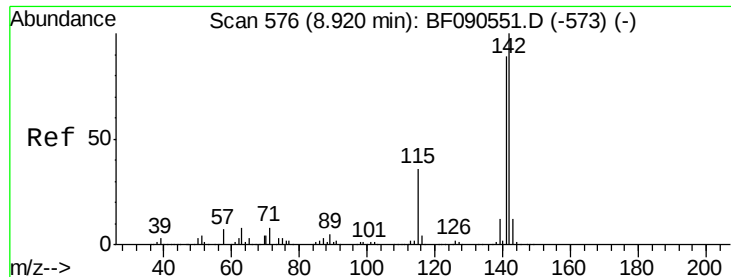
Tot Ion:127 Resp: 47037
Ion Ratio Lower Upper
127 100
129 124.1 26.2 39.2#
65 70.4 30.1 45.1#
92 21.7 17.2 25.8



#35
Caprolactam
Concen: 61.37 ng
RT: 8.646 min Scan# 552
Delta R.T. -0.011 min
Lab File: BF090572.D
Acq: 14 Oct 2016 16:33

Tgt Ion:113 Resp: 178754
Ion Ratio Lower Upper
113 100
55 194.5 170.8 210.8
56 152.5 122.4 162.4

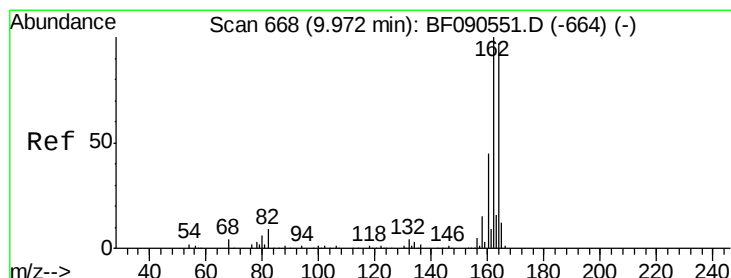
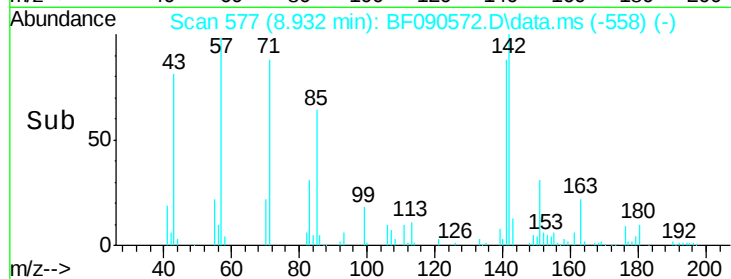
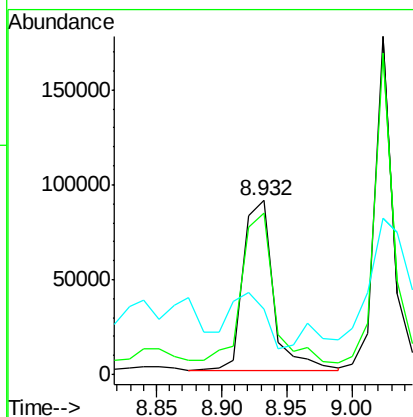
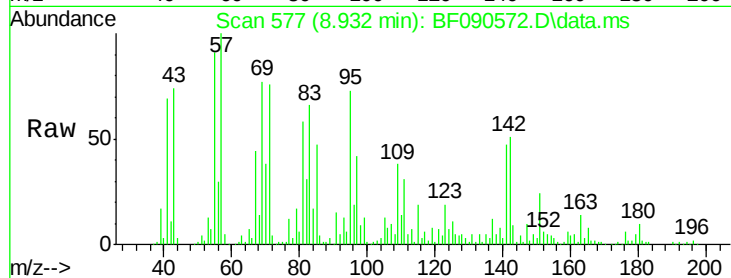




#37
2-Methylnaphthalene
Concen: 5.74 ng
RT: 8.932 min Scan# 57
Delta R.T. 0.012 min
Lab File: BF090572.D
Acq: 14 Oct 2016 16:33

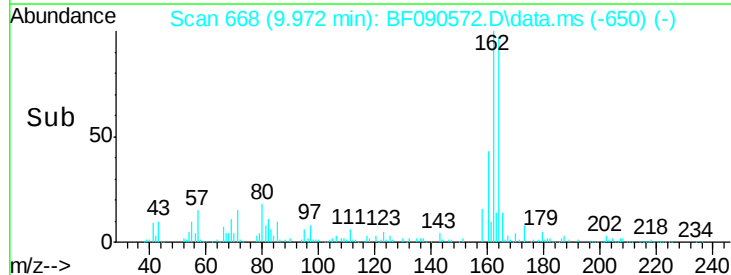
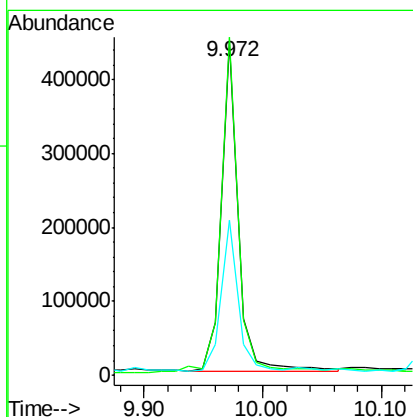
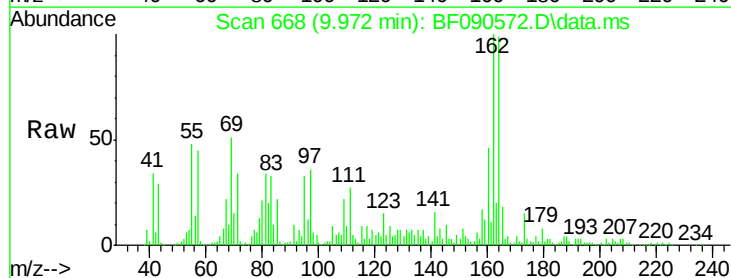
Instrument :
BNA_F
ClientSampleId :
SOILWASTE-CHARACTERIZATION

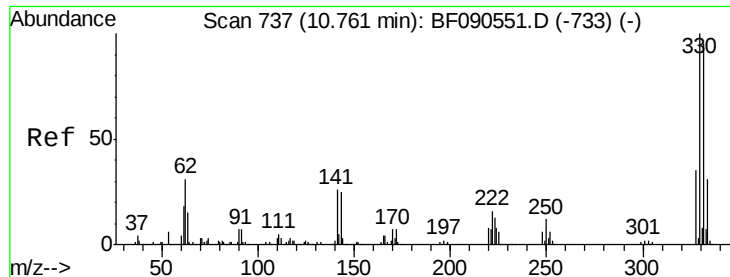
Tot Ion:142 Resp: 147057
Ion Ratio Lower Upper
142 100
141 92.9 71.3 106.9
115 37.4 28.8 43.2



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.972 min Scan# 668
Delta R.T. 0.000 min
Lab File: BF090572.D
Acq: 14 Oct 2016 16:33

Tgt Ion:164 Resp: 430788
Ion Ratio Lower Upper
164 100
162 101.5 82.2 123.4
160 46.3 36.6 55.0

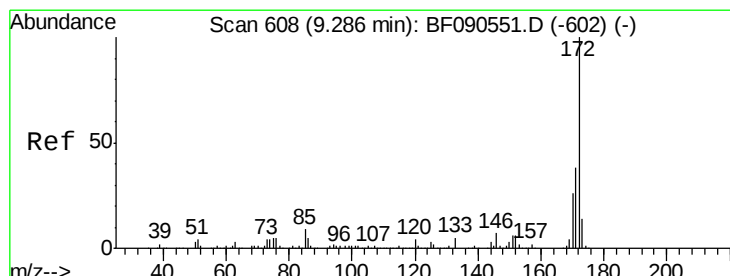
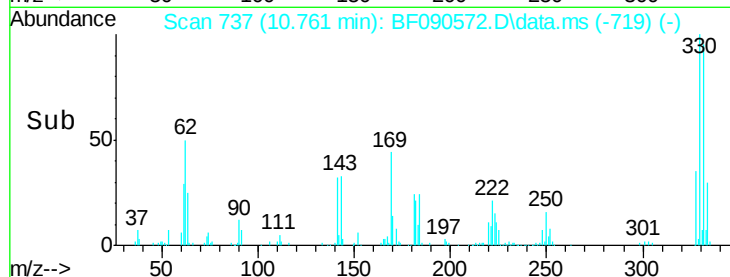
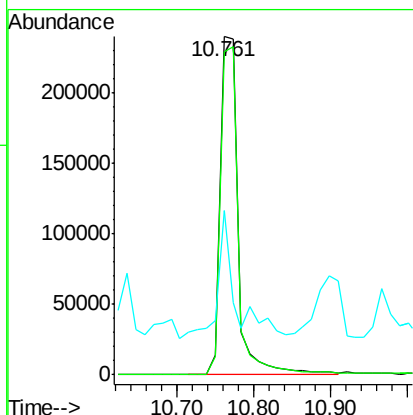
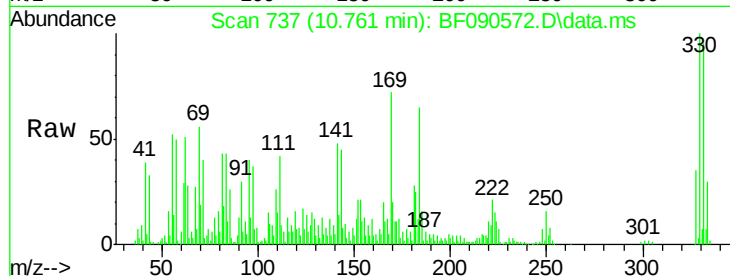




#41
 2,4,6-Tribromophenol
 Concen: 102.20 ng
 RT: 10.761 min Scan# 737
 Delta R.T. 0.000 min
 Lab File: BF090572.D
 Acq: 14 Oct 2016 16:33

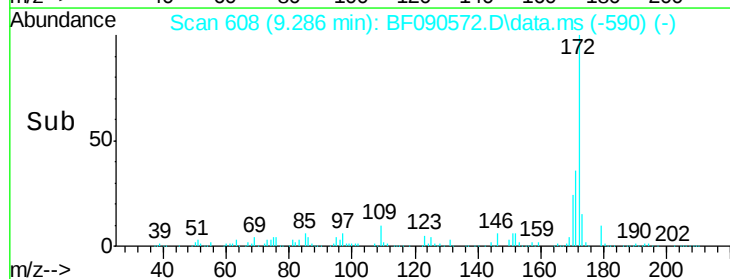
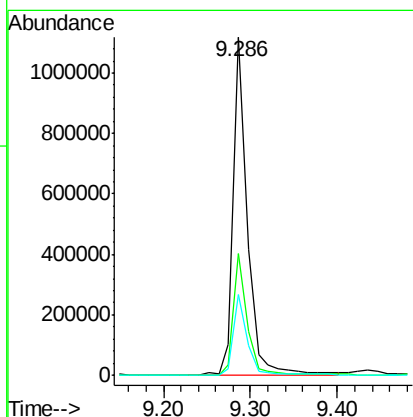
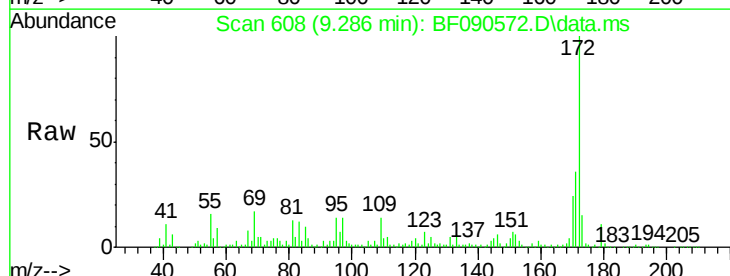
Instrument :
 BNA_F
 ClientSampleId :
 SOILWASTE-CHARACTERIZATION

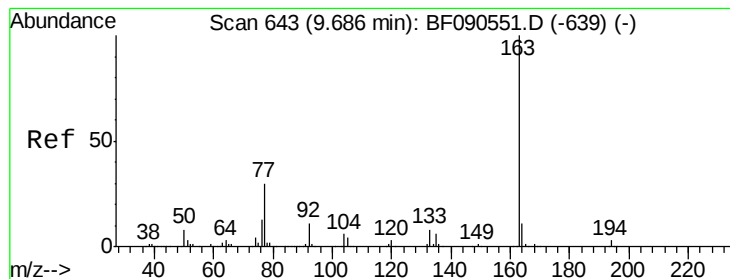
Tot Ion:330 Resp: 392526
 Ion Ratio Lower Upper
 330 100
 332 96.8 76.2 114.2
 141 21.2 31.4 47.2#



#44
 2-Fluorobiphenyl
 Concen: 48.31 ng
 RT: 9.286 min Scan# 608
 Delta R.T. 0.000 min
 Lab File: BF090572.D
 Acq: 14 Oct 2016 16:33

Tgt Ion:172 Resp: 1262962
 Ion Ratio Lower Upper
 172 100
 171 36.1 30.1 45.1
 170 23.8 20.6 30.8





#49

Dimethylphthalate

Concen: 11.62 ng

RT: 9.686 min Scan# 64

Delta R.T. 0.000 min

Lab File: BF090572.D

Acq: 14 Oct 2016 16:33

Instrument :

BNA_F

ClientSampleId :

SOILWASTE-CHARACTERIZATION

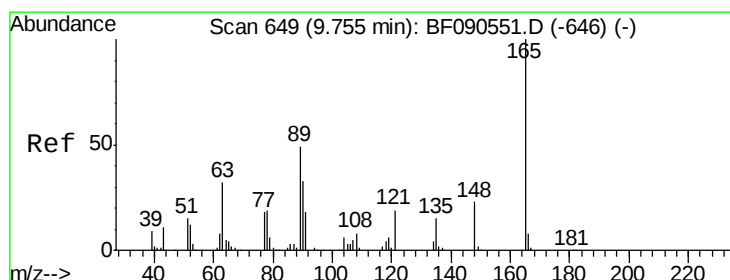
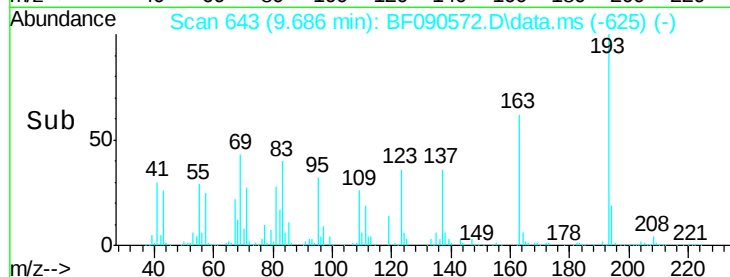
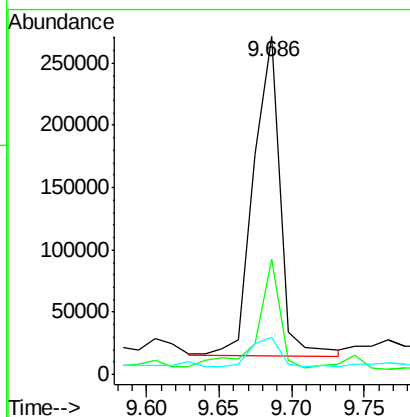
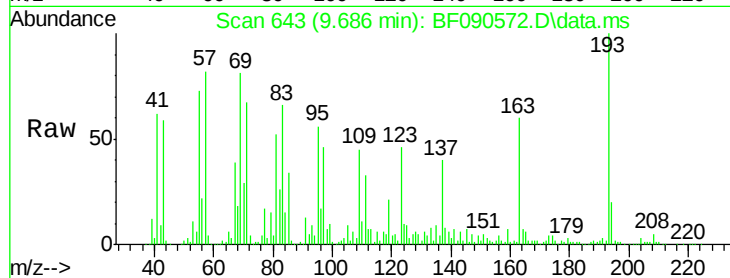
Tot Ion:163 Resp: 324726

Ion Ratio Lower Upper

163 100

194 34.0 2.3 3.5#

164 11.2 8.6 13.0



#50

2,6-Dinitrotoluene

Concen: 5.17 ng

RT: 9.743 min Scan# 648

Delta R.T. -0.011 min

Lab File: BF090572.D

Acq: 14 Oct 2016 16:33

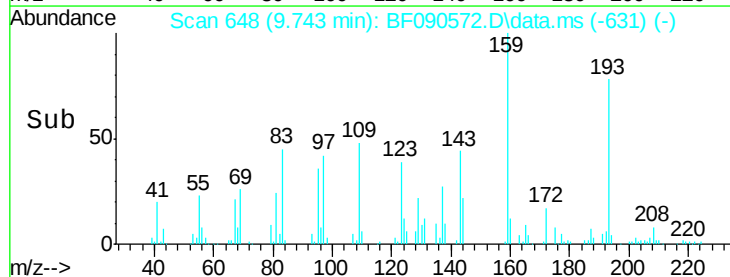
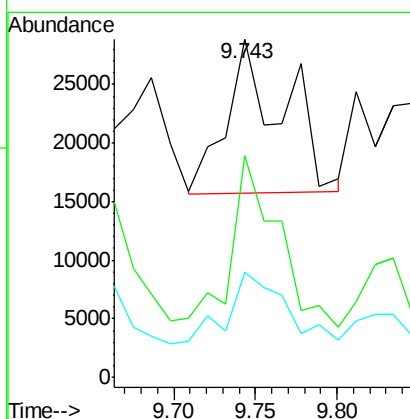
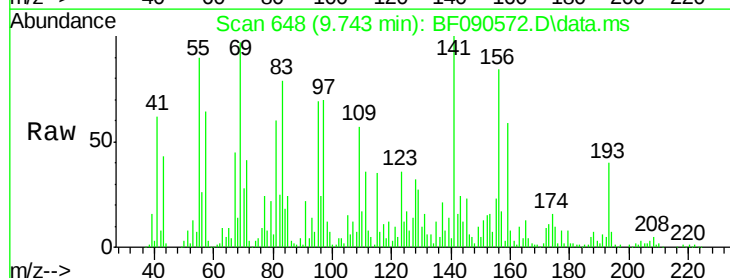
Tgt Ion:165 Resp: 31612

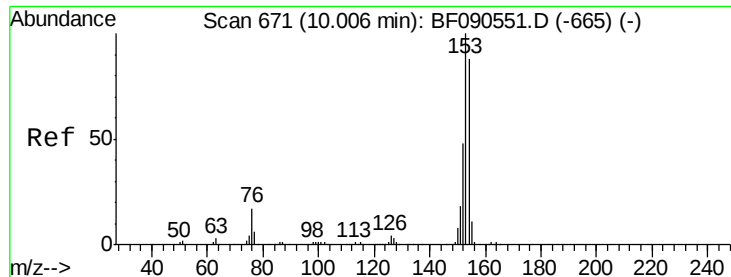
Ion Ratio Lower Upper

165 100

63 65.5 40.1 60.1#

89 31.1 39.5 59.3#





#51

Acenaphthene

Concen: 6.38 ng

RT: 10.006 min Scan# 671

Delta R.T. 0.000 min

Lab File: BF090572.D

Acq: 14 Oct 2016 16:33

Instrument :

BNA_F

ClientSampleId :

SOILWASTE-CHARACTERIZATION

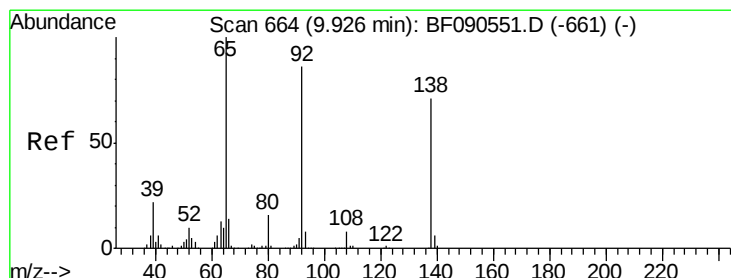
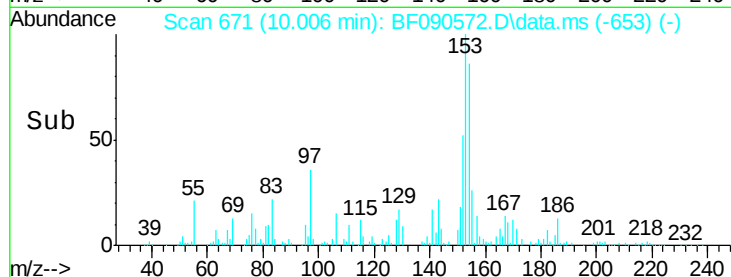
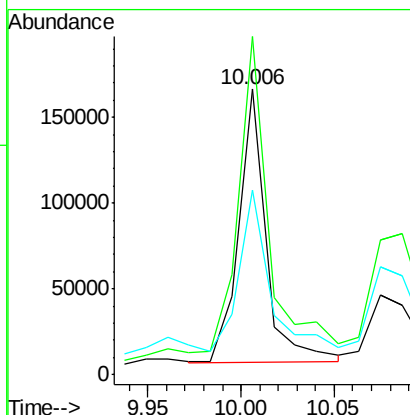
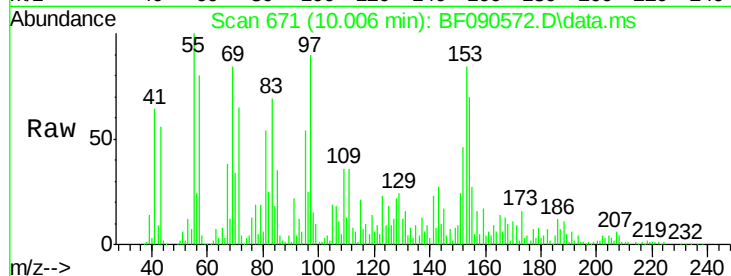
Tot Ion:154 Resp: 164994

Ion Ratio Lower Upper

154 100

153 118.5 91.2 136.8

152 64.7 44.0 66.0



#52

3-Nitroaniline

Concen: 4.06 ng

RT: 9.926 min Scan# 664

Delta R.T. 0.000 min

Lab File: BF090572.D

Acq: 14 Oct 2016 16:33

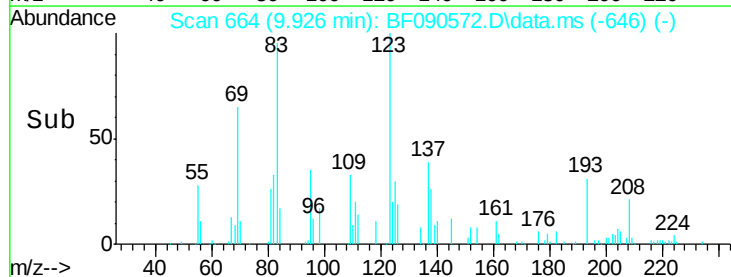
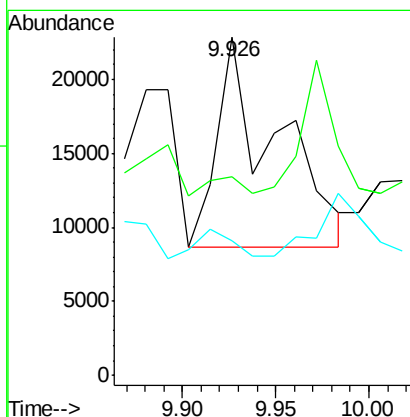
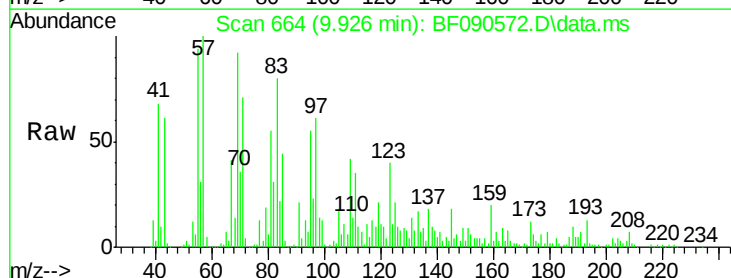
Tgt Ion:138 Resp: 31186

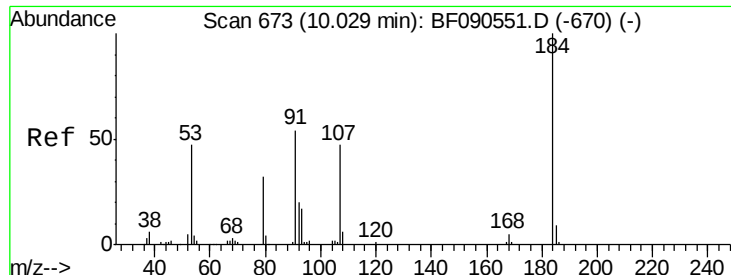
Ion Ratio Lower Upper

138 100

108 58.8 8.6 12.8#

92 39.6 97.8 146.8#

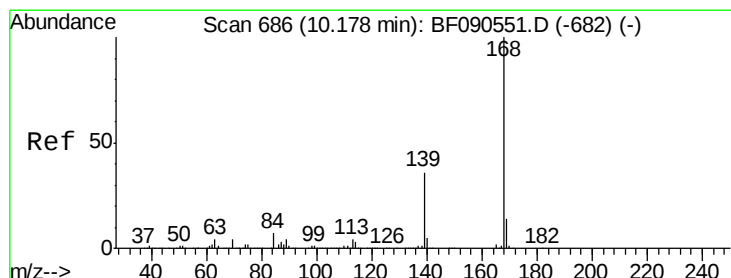
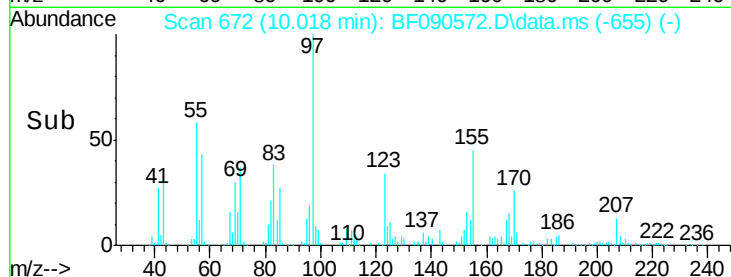
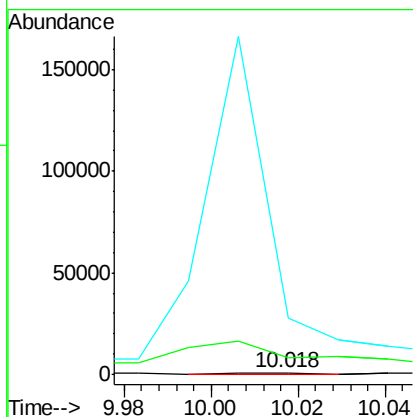
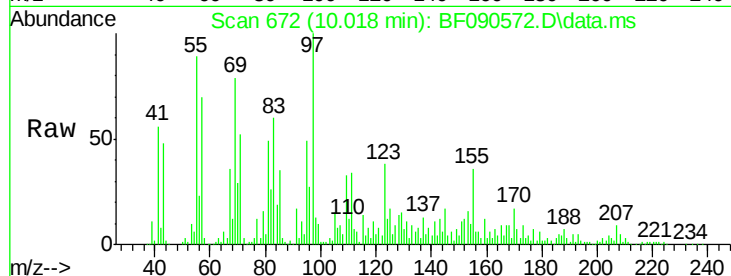




#53
2,4-Dinitrophenol
Concen: 5.86 ng
RT: 10.018 min Scan# 67
Delta R.T. -0.011 min
Lab File: BF090572.D
Acq: 14 Oct 2016 16:33

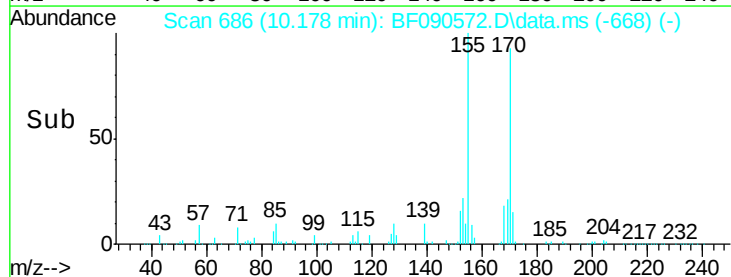
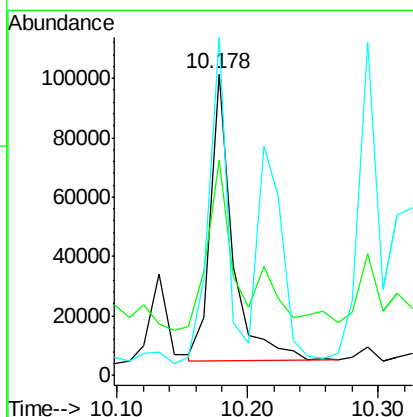
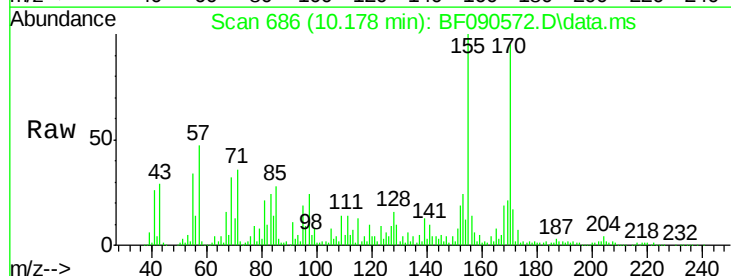
Instrument :
BNA_F
ClientSampleId :
SOILWASTE-CHARACTERIZATION

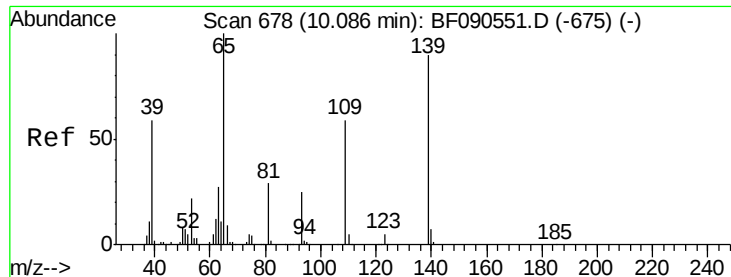
Tot Ion:184 Resp: 645
Ion Ratio Lower Upper
184 100
63 830.0 60.2 90.2#
154 2886.0 86.1 129.1#



#54
Dibenzofuran
Concen: 3.36 ng
RT: 10.178 min Scan# 686
Delta R.T. 0.000 min
Lab File: BF090572.D
Acq: 14 Oct 2016 16:33

Tgt Ion:168 Resp: 114191
Ion Ratio Lower Upper
168 100
139 71.4 30.5 45.7#
169 112.2 10.9 16.3#

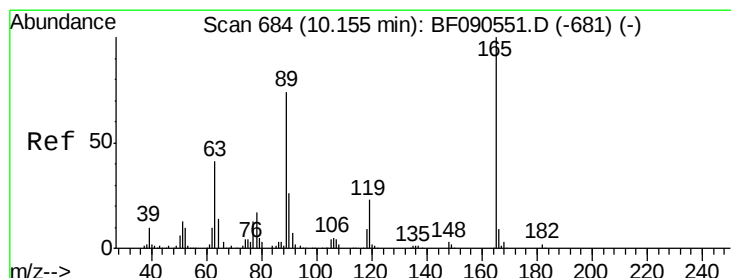
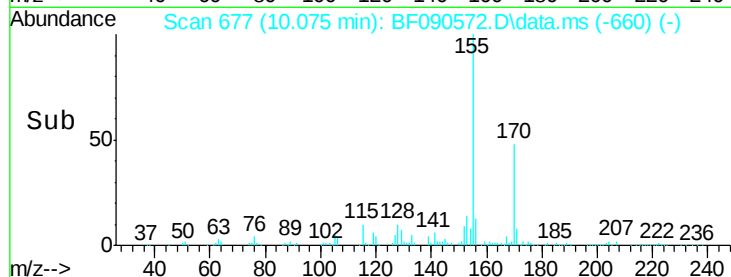
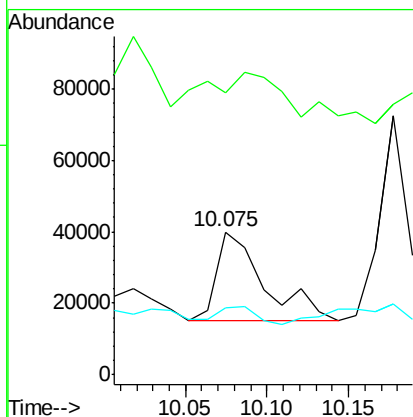
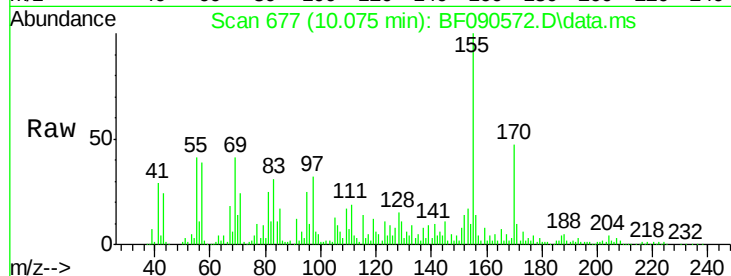




#55
4-Nitrophenol
Concen: 10.81 ng
RT: 10.075 min Scan# 67
Delta R.T. -0.011 min
Lab File: BF090572.D
Acq: 14 Oct 2016 16:33

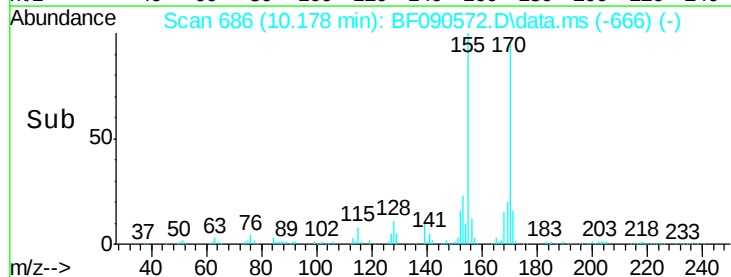
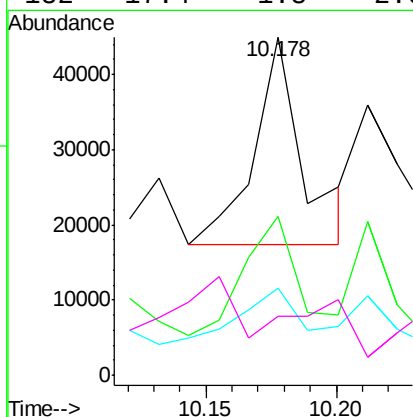
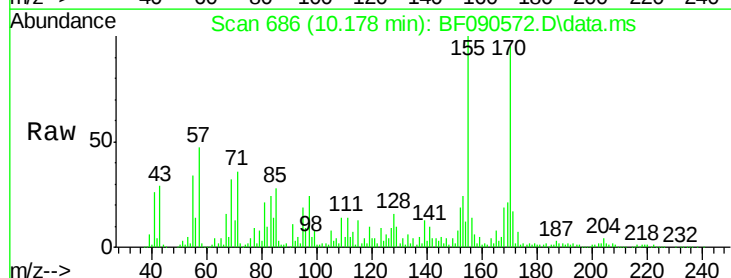
Instrument :
BNA_F
ClientSampleId :
SOILWASTE-CHARACTERIZATION

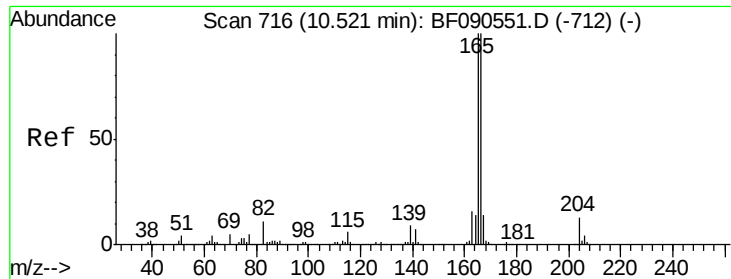
Tot Ion:139 Resp: 49927
Ion Ratio Lower Upper
139 100
109 198.4 45.9 85.9#
65 47.3 95.8 135.8#



#56
2,4-Dinitrotoluene
Concen: 4.31 ng
RT: 10.178 min Scan# 686
Delta R.T. 0.023 min
Lab File: BF090572.D
Acq: 14 Oct 2016 16:33

Tgt Ion:165 Resp: 35821
Ion Ratio Lower Upper
165 100
63 46.9 35.4 53.0
89 25.7 59.0 88.4#
182 17.4 1.8 2.6#

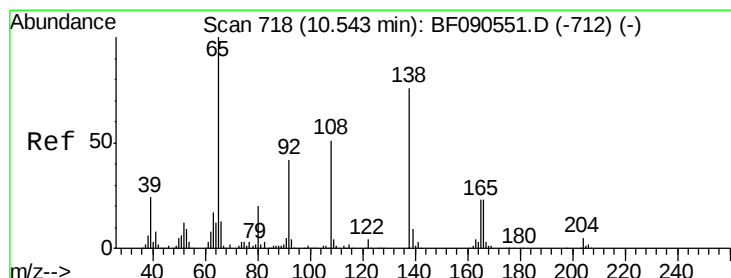
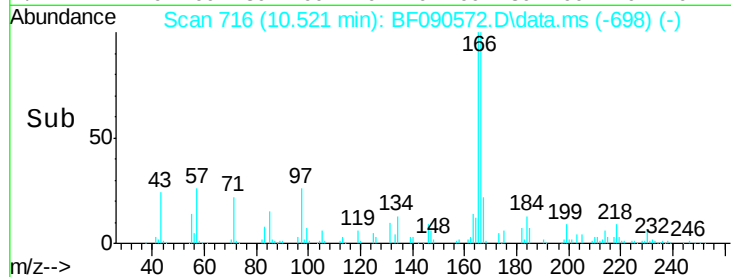
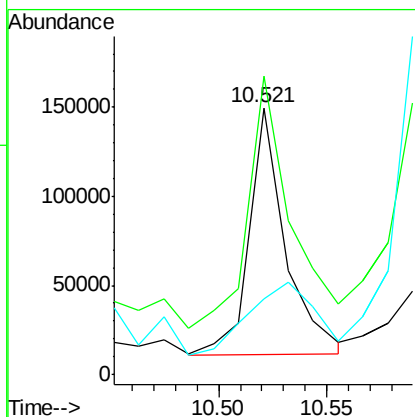
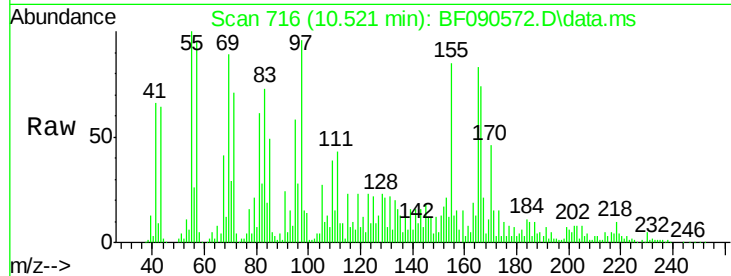




#57
Fluorene
 Concen: 5.78 ng
 RT: 10.521 min Scan# 716
 Delta R.T. 0.000 min
 Lab File: BF090572.D
 Acq: 14 Oct 2016 16:33

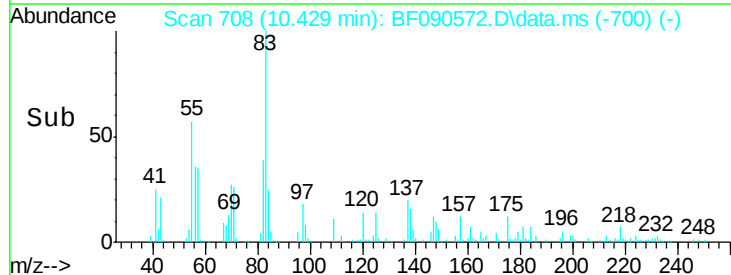
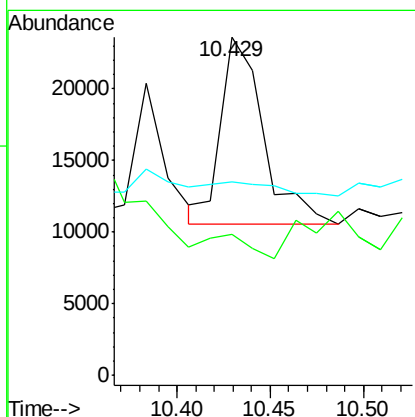
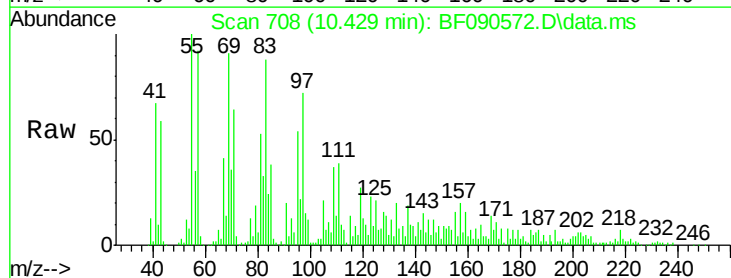
Instrument :
 BNA_F
 ClientSampleId :
 SOILWASTE-CHARACTERIZATION

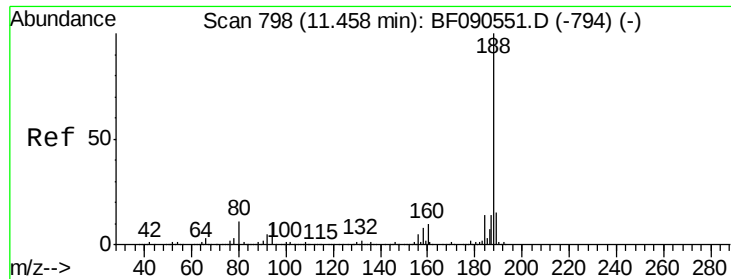
Tot Ion:166 Resp: 162316
 Ion Ratio Lower Upper
 166 100
 165 112.0 79.9 119.9
 167 28.1 10.9 16.3#



#61
4-Nitroaniline
 Concen: 2.72 ng
 RT: 10.429 min Scan# 708
 Delta R.T. -0.114 min
 Lab File: BF090572.D
 Acq: 14 Oct 2016 16:33

Tgt Ion:138 Resp: 20921
 Ion Ratio Lower Upper
 138 100
 92 41.8 35.7 75.7
 108 57.3 46.9 86.9

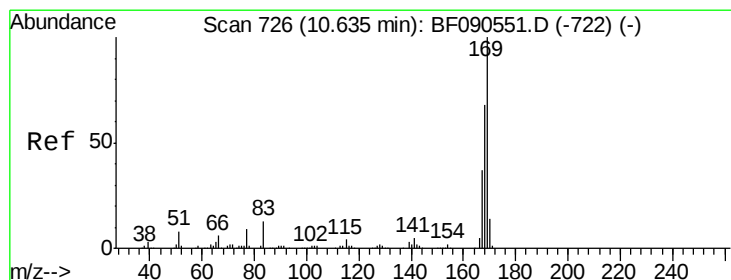
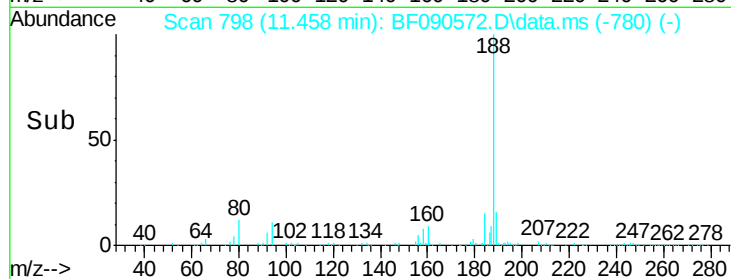
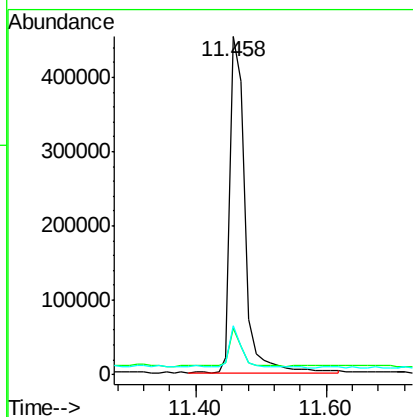
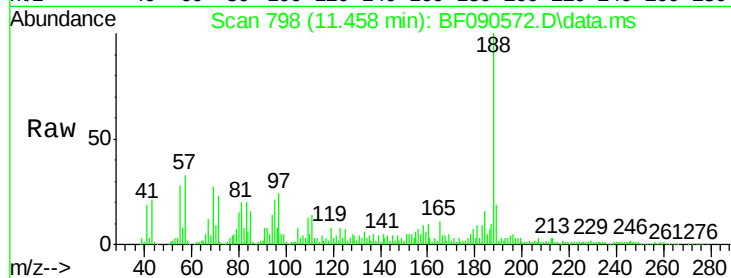




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.458 min Scan# 79
Delta R.T. 0.000 min
Lab File: BF090572.D
Acq: 14 Oct 2016 16:33

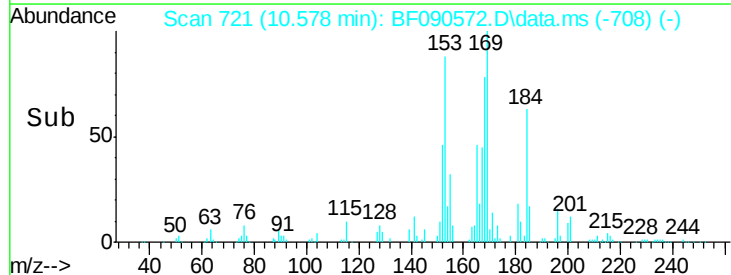
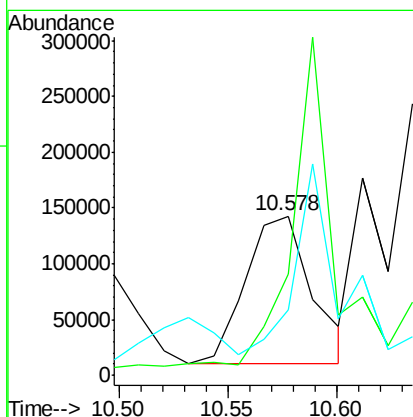
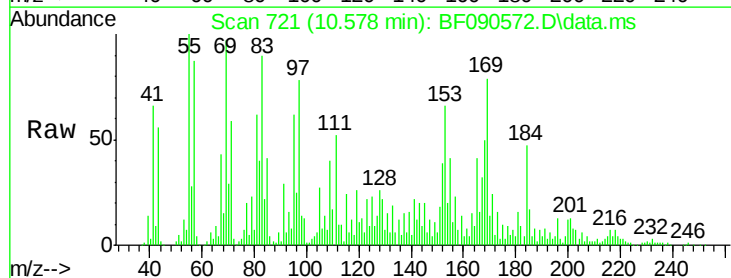
Instrument :
BNA_F
ClientSampleId :
SOILWASTE-CHARACTERIZATION

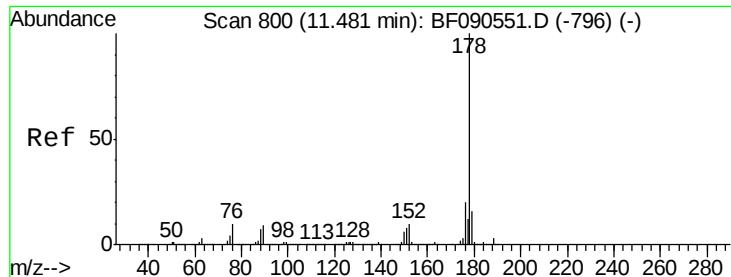
Tot Ion:188 Resp: 708527
Ion Ratio Lower Upper
188 100
94 13.8 7.7 11.5#
80 14.5 8.6 12.8#



#65
n-Nitrosodiphenylamine
Concen: 12.05 ng
RT: 10.578 min Scan# 721
Delta R.T. -0.057 min
Lab File: BF090572.D
Acq: 14 Oct 2016 16:33

Tgt Ion:169 Resp: 282094
Ion Ratio Lower Upper
169 100
168 63.6 54.6 81.8
167 40.8 29.8 44.8





#70

Phenanthrene

Concen: 38.35 ng

RT: 11.492 min Scan# 801

Delta R.T. 0.012 min

Lab File: BF090572.D

Acq: 14 Oct 2016 16:33

Instrument :

BNA_F

ClientSampleId :

SOILWASTE-CHARACTERIZATION

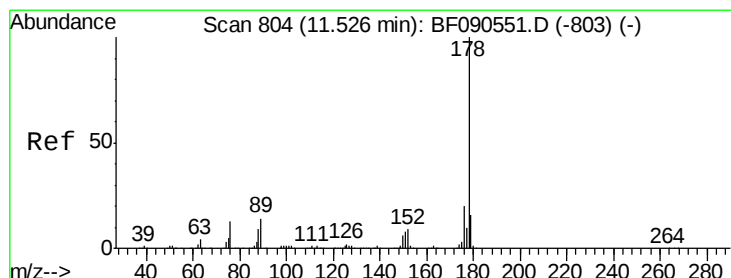
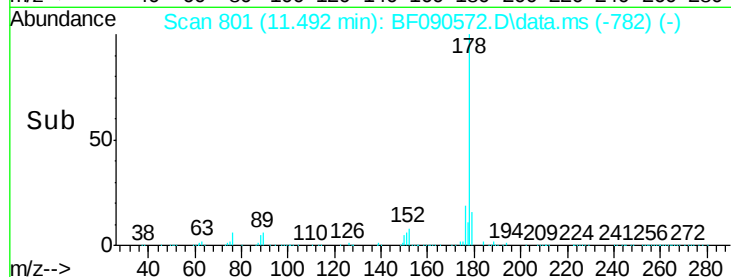
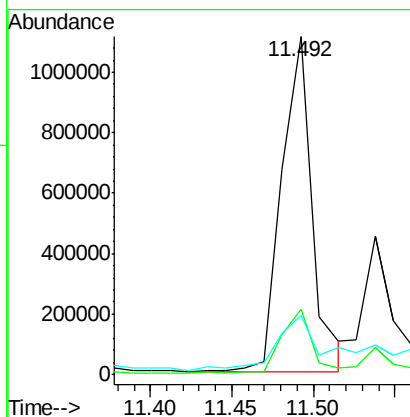
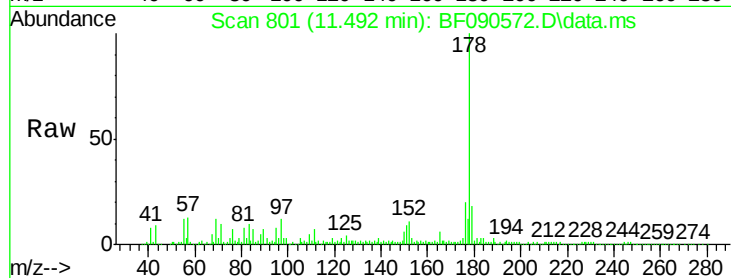
Tot Ion:178 Resp: 1450352

Ion Ratio Lower Upper

178 100

176 19.5 16.1 24.1

179 17.6 12.6 19.0



#71

Anthracene

Concen: 35.63 ng

RT: 11.492 min Scan# 801

Delta R.T. -0.034 min

Lab File: BF090572.D

Acq: 14 Oct 2016 16:33

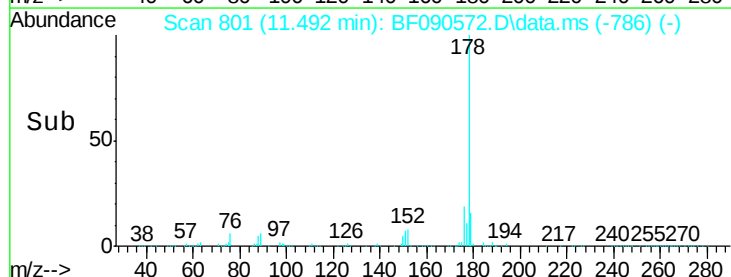
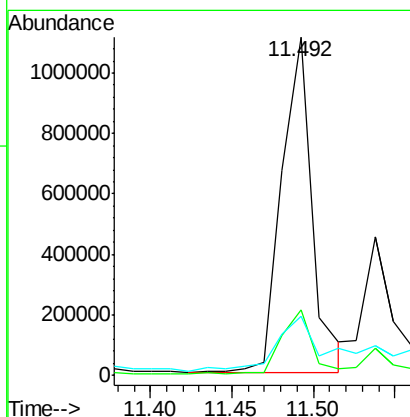
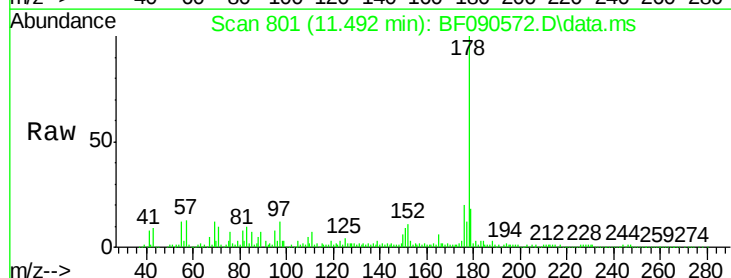
Tgt Ion:178 Resp: 1450352

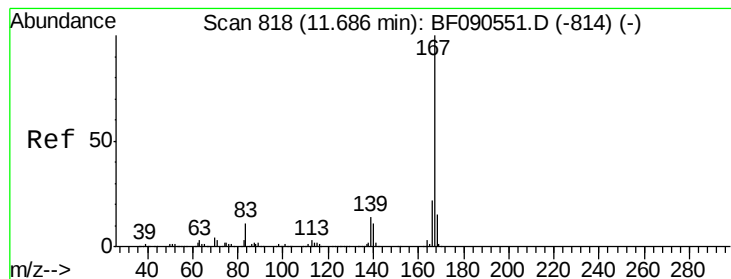
Ion Ratio Lower Upper

178 100

176 19.5 15.5 23.3

179 17.6 13.0 19.4





#72

Carbazole

Concen: 4.73 ng

RT: 11.698 min Scan# 81

Delta R.T. 0.012 min

Lab File: BF090572.D

Acq: 14 Oct 2016 16:33

Instrument :

BNA_F

ClientSampleId :

SOILWASTE-CHARACTERIZATION

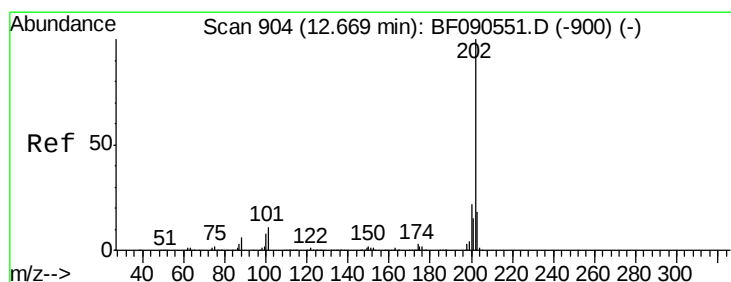
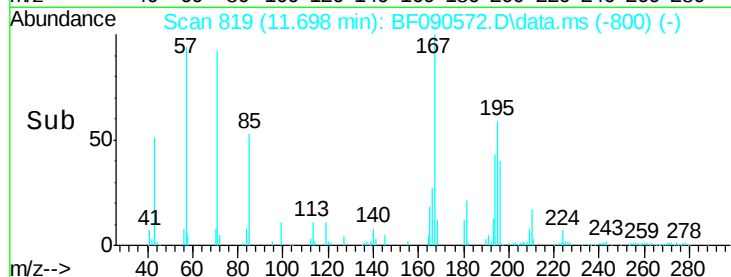
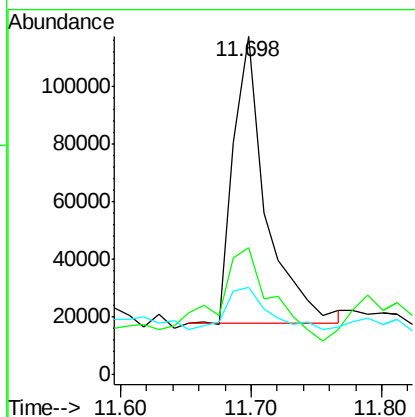
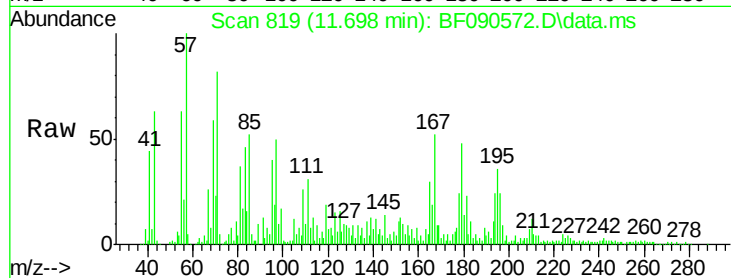
Tot Ion:167 Resp: 172511

Ion Ratio Lower Upper

167 100

166 37.6 17.8 26.8#

139 26.0 11.3 16.9#



#74

Fluoranthene

Concen: 47.13 ng

RT: 12.669 min Scan# 904

Delta R.T. 0.000 min

Lab File: BF090572.D

Acq: 14 Oct 2016 16:33

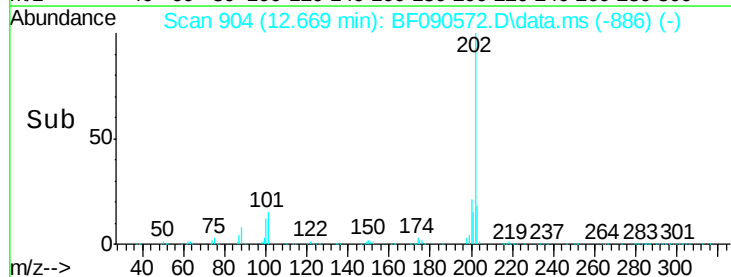
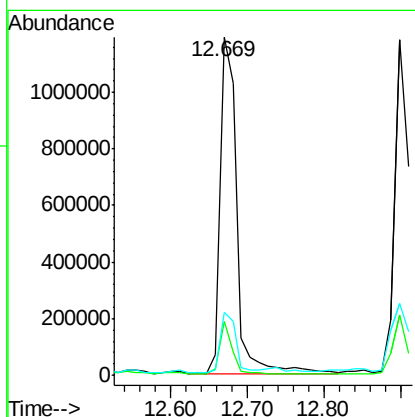
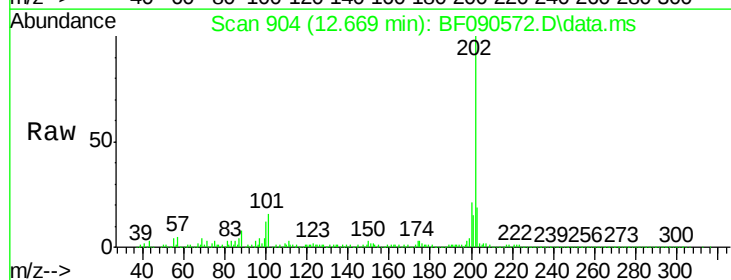
Tgt Ion:202 Resp: 1792939

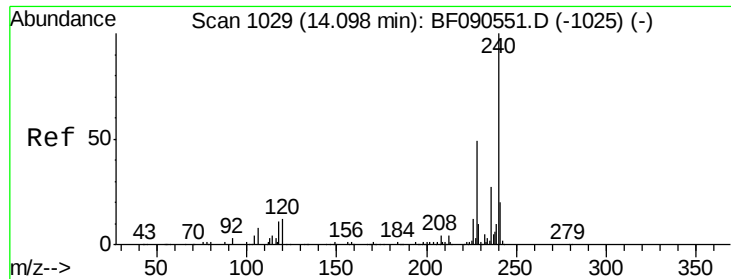
Ion Ratio Lower Upper

202 100

101 15.8 0.0 31.1

203 18.6 0.0 38.0





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.098 min Scan# 10

Delta R.T. 0.000 min

Lab File: BF090572.D

Acq: 14 Oct 2016 16:33

Instrument :

BNA_F

ClientSampleId :

SOILWASTE-CHARACTERIZATION

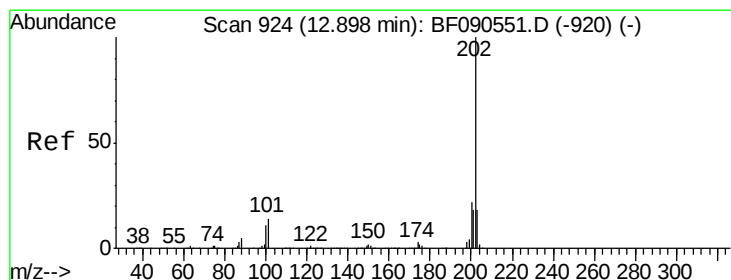
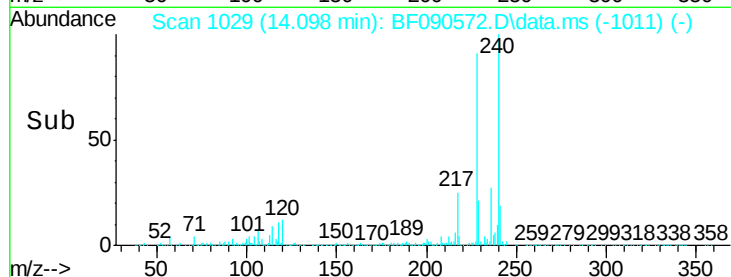
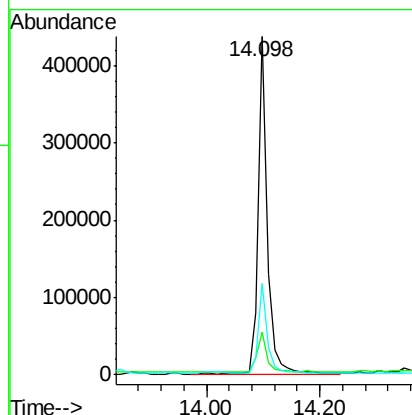
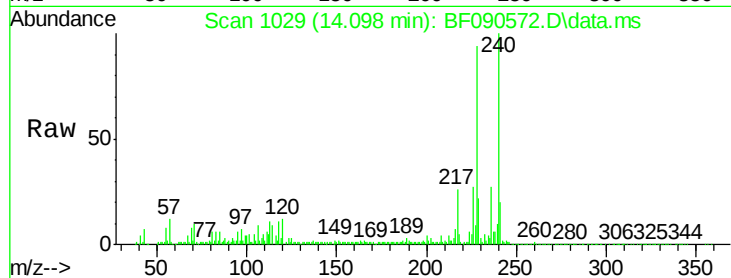
Tot Ion:240 Resp: 493707

Ion Ratio Lower Upper

240 100

120 12.4 9.8 14.8

236 27.1 21.7 32.5



#77

Pyrene

Concen: 49.94 ng

RT: 12.898 min Scan# 924

Delta R.T. 0.000 min

Lab File: BF090572.D

Acq: 14 Oct 2016 16:33

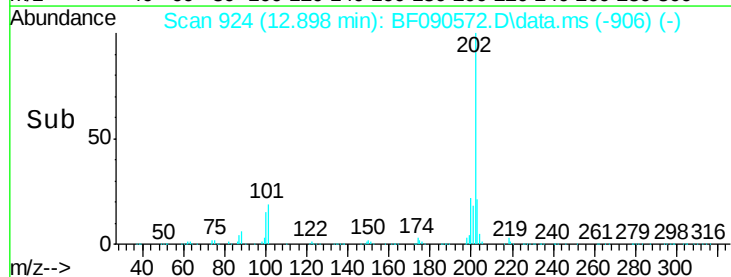
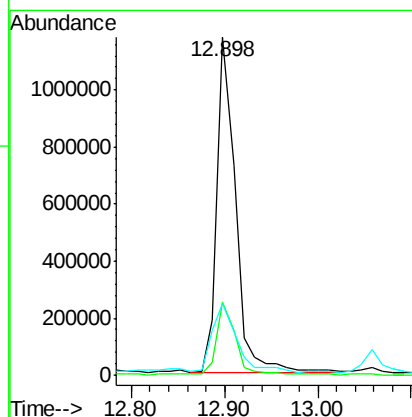
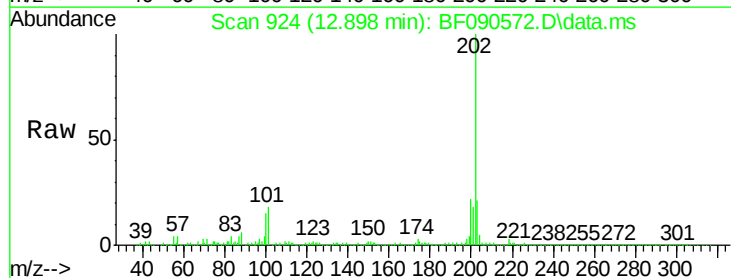
Tgt Ion:202 Resp: 1632991

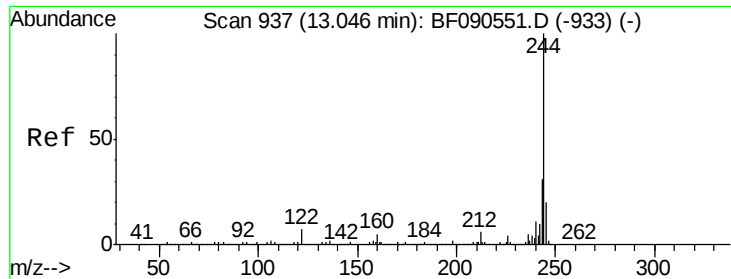
Ion Ratio Lower Upper

202 100

200 21.8 17.8 26.6

203 21.2 14.6 21.8





#78

Terphenyl-d14

Concen: 51.02 ng

RT: 13.047 min Scan# 93

Delta R.T. 0.000 min

Lab File: BF090572.D

Acq: 14 Oct 2016 16:33

Instrument :

BNA_F

ClientSampleId :

SOILWASTE-CHARACTERIZATION

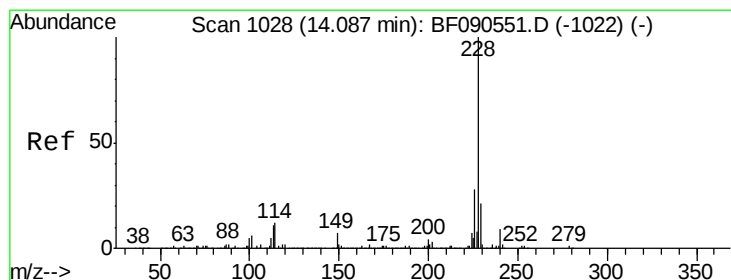
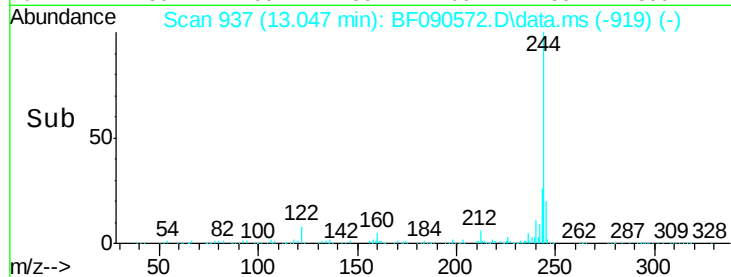
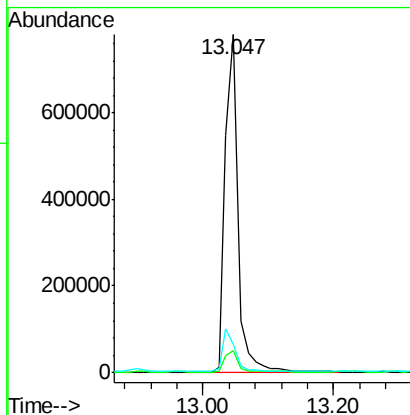
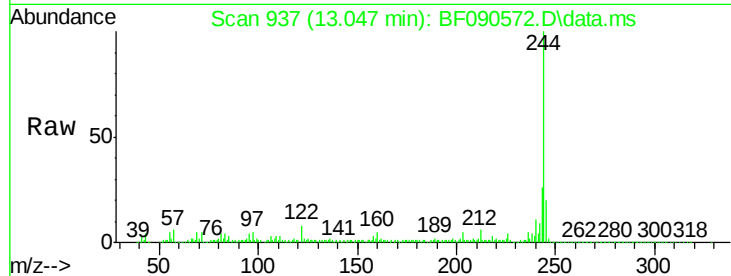
Tot Ion:244 Resp: 1081796

Ion Ratio Lower Upper

244 100

212 6.3 5.0 7.4

122 8.4 5.6 8.4#



#80

Benzo(a)anthracene

Concen: 42.97 ng

RT: 14.087 min Scan# 1028

Delta R.T. 0.000 min

Lab File: BF090572.D

Acq: 14 Oct 2016 16:33

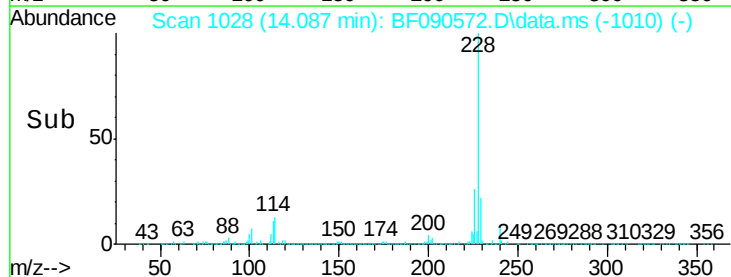
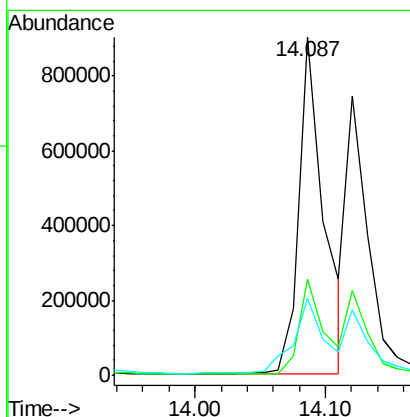
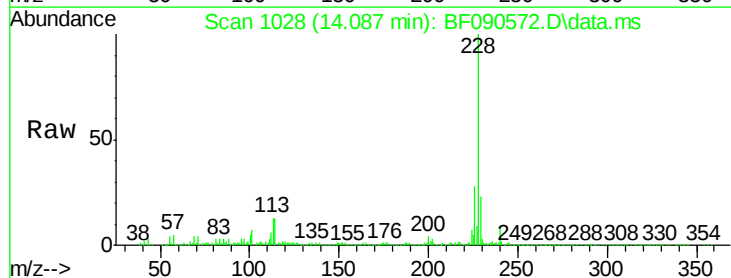
Tgt Ion:228 Resp: 1207742

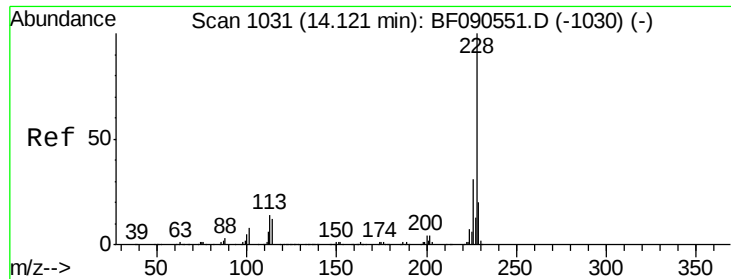
Ion Ratio Lower Upper

228 100

226 28.4 22.8 34.2

229 22.6 16.6 25.0





#82

Chrysene

Concen: 44.60 ng

RT: 14.087 min Scan# 1031

Delta R.T. -0.034 min

Lab File: BF090572.D

Acq: 14 Oct 2016 16:33

Instrument :

BNA_F

ClientSampleId :

SOILWASTE-CHARACTERIZATION

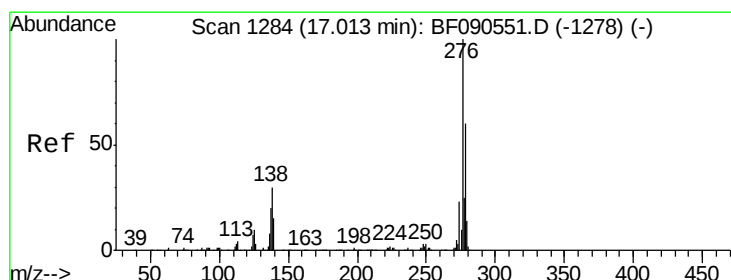
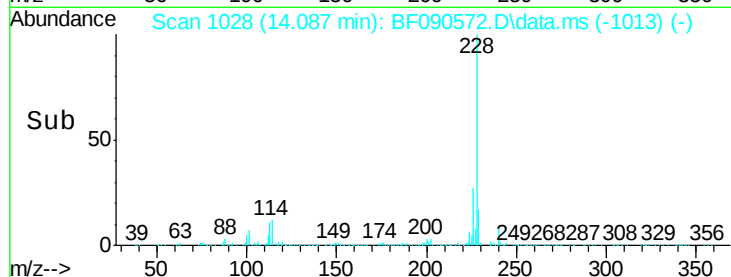
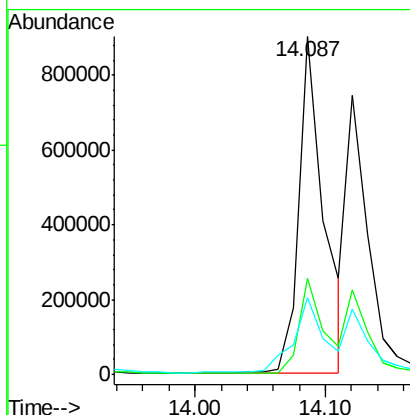
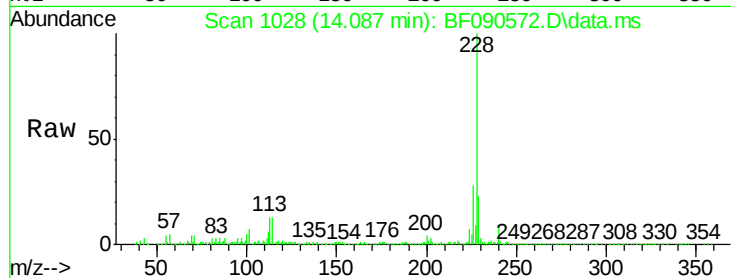
Tot Ion:228 Resp: 1207742

Ion Ratio Lower Upper

228 100

226 28.4 24.8 37.2

229 22.6 16.2 24.4



#85

Indeno(1,2,3-cd)pyrene

Concen: 51.43 ng

RT: 17.036 min Scan# 1286

Delta R.T. 0.023 min

Lab File: BF090572.D

Acq: 14 Oct 2016 16:33

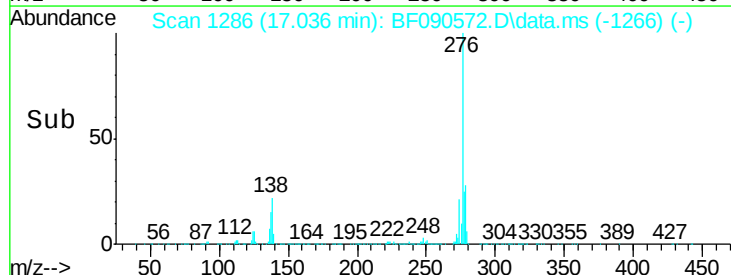
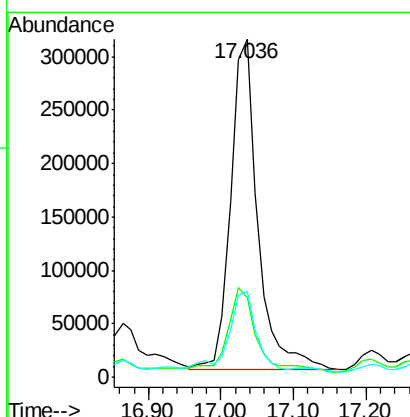
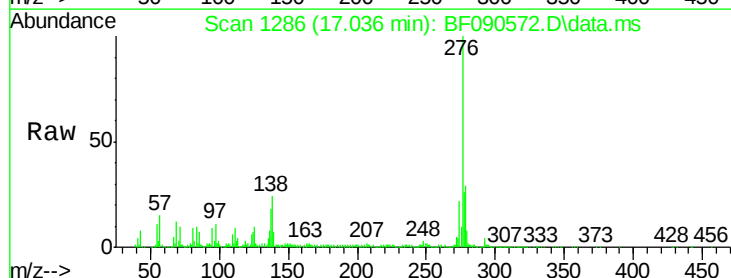
Tgt Ion:276 Resp: 805347

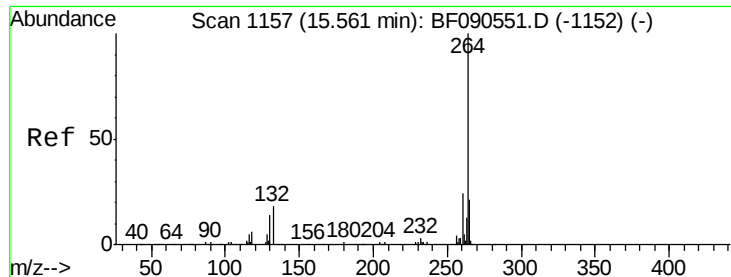
Ion Ratio Lower Upper

276 100

138 27.2 25.8 38.6

277 23.9 20.1 30.1

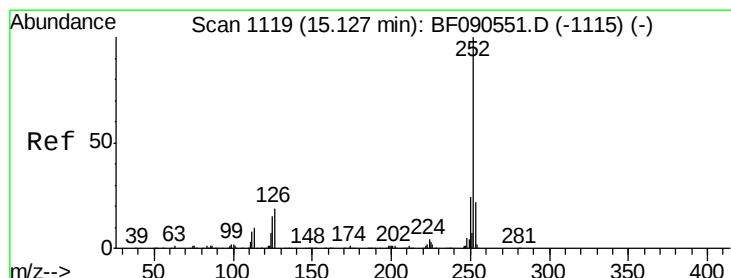
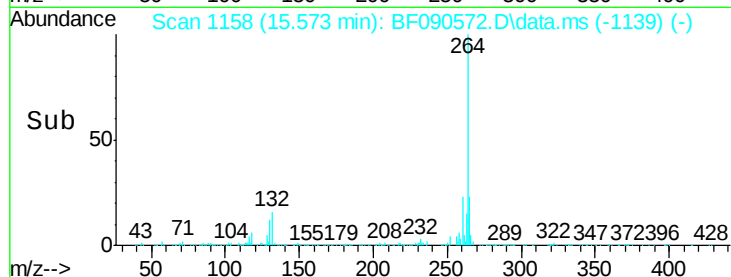
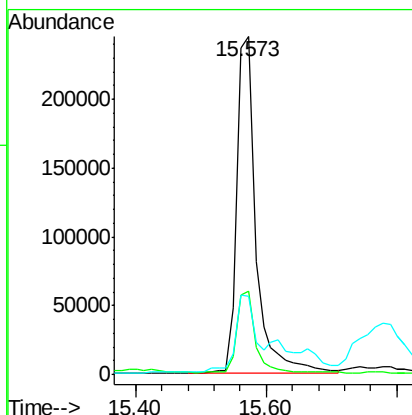
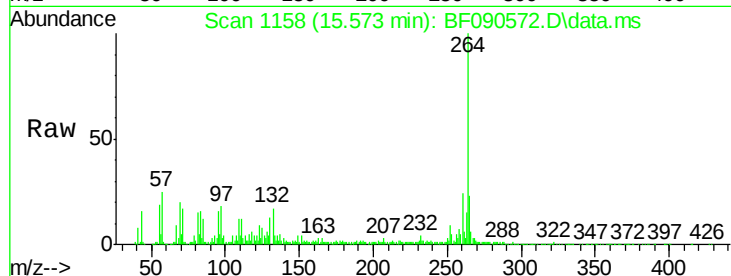




#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 15.573 min Scan# 1157
 Delta R.T. 0.012 min
 Lab File: BF090572.D
 Acq: 14 Oct 2016 16:33

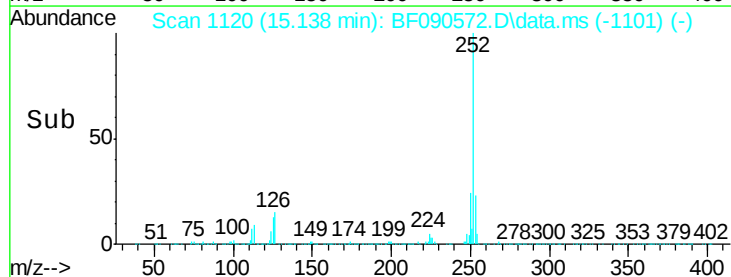
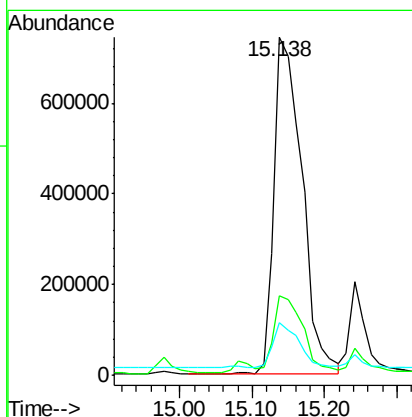
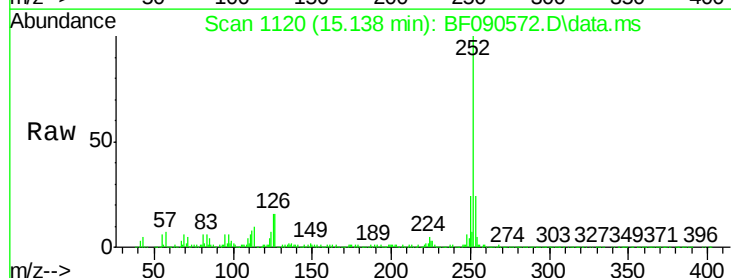
Instrument :
 BNA_F
 ClientSampleId :
 SOILWASTE-CHARACTERIZATION

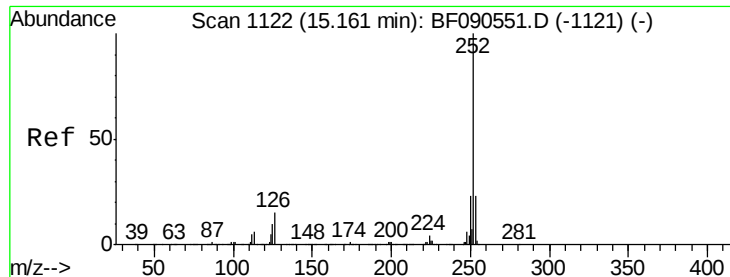
Tot Ion:264 Resp: 493022
 Ion Ratio Lower Upper
 264 100
 260 24.5 19.3 28.9
 265 23.2 16.7 25.1



#87
 Benzo(b)fluoranthene
 Concen: 62.20 ng
 RT: 15.138 min Scan# 1120
 Delta R.T. 0.012 min
 Lab File: BF090572.D
 Acq: 14 Oct 2016 16:33

Tgt Ion:252 Resp: 2006643
 Ion Ratio Lower Upper
 252 100
 253 23.6 17.8 26.8
 125 15.6 12.0 18.0

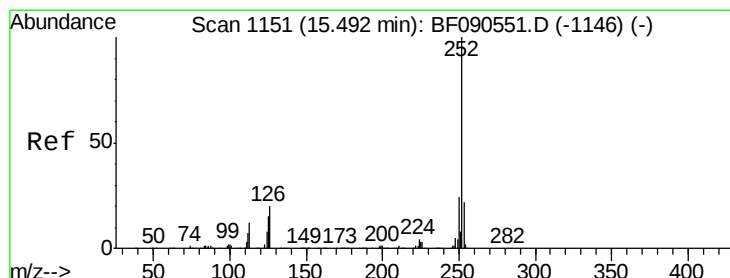
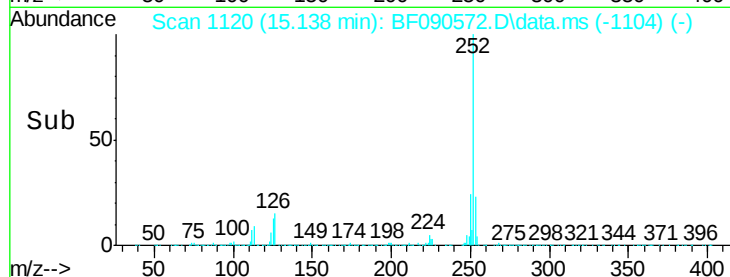
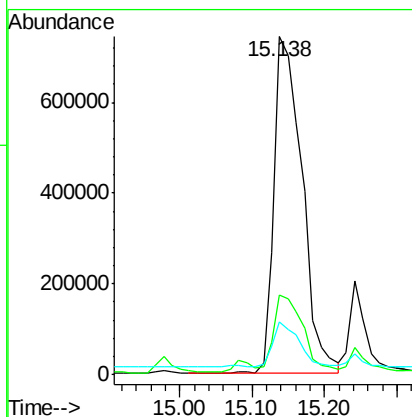
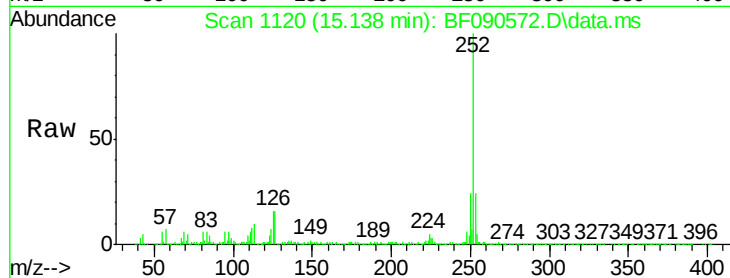




#88
Benzo(k)fluoranthene
Concen: 57.81 ng
RT: 15.138 min Scan# 111
Delta R.T. -0.023 min
Lab File: BF090572.D
Acq: 14 Oct 2016 16:33

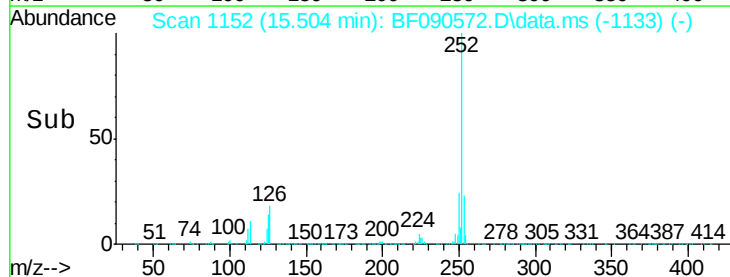
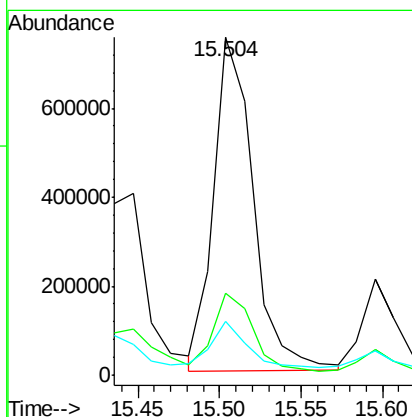
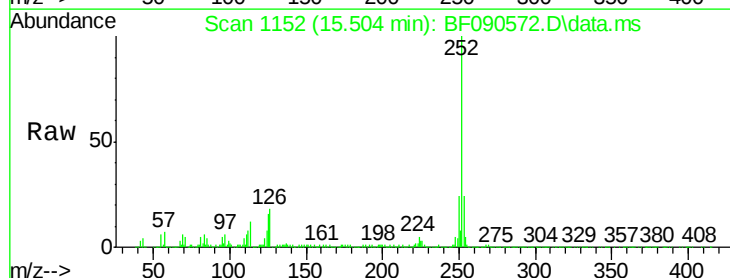
Instrument :
BNA_F
ClientSampleId :
SOILWASTE-CHARACTERIZATION

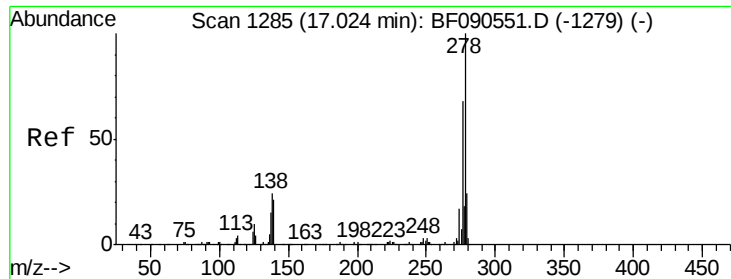
Tot Ion:252 Resp: 2006643
Ion Ratio Lower Upper
252 100
253 23.6 18.0 27.0
125 15.6 10.0 15.0#



#89
Benzo(a)pyrene
Concen: 42.83 ng
RT: 15.504 min Scan# 1152
Delta R.T. 0.012 min
Lab File: BF090572.D
Acq: 14 Oct 2016 16:33

Tgt Ion:252 Resp: 1264973
Ion Ratio Lower Upper
252 100
253 24.4 17.9 26.9
125 16.0 12.3 18.5





#90

Dibenzo(a,h)anthracene

Concen: 9.07 ng

RT: 17.036 min Scan# 12

Delta R.T. 0.012 min

Lab File: BF090572.D

Acq: 14 Oct 2016 16:33

Instrument :

BNA_F

ClientSampleId :

SOILWASTE-CHARACTERIZATION

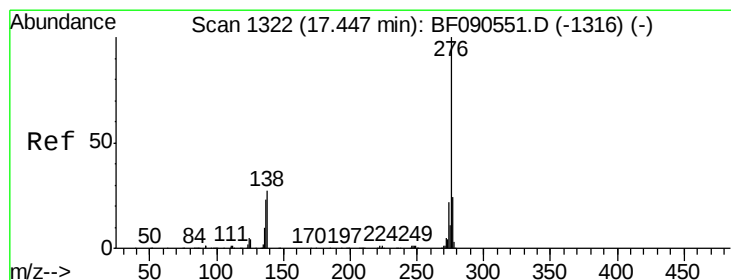
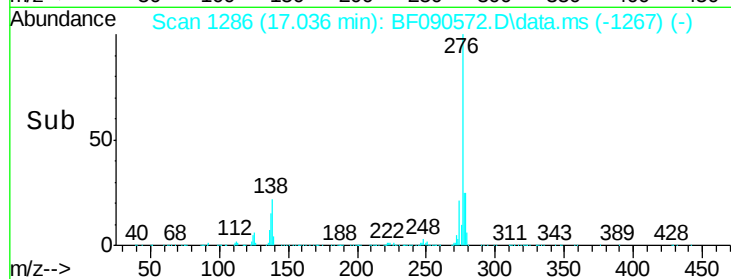
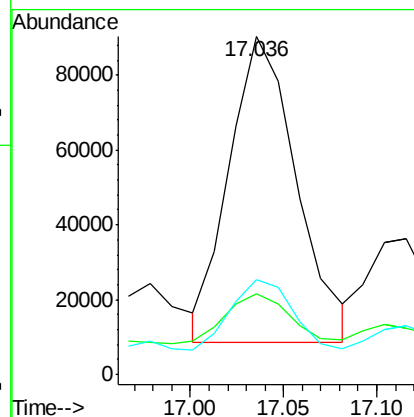
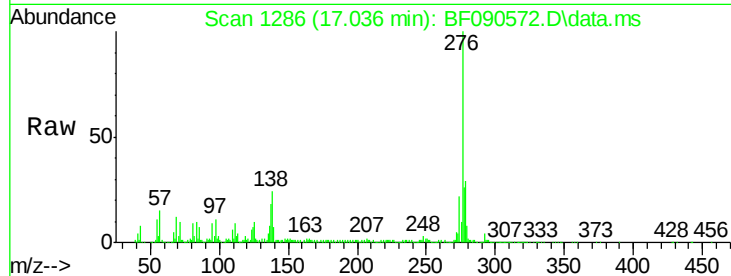
Tot Ion:278 Resp: 204404

Ion Ratio Lower Upper

278 100

139 23.9 16.6 25.0

279 27.9 19.1 28.7



#91

Benzo(g,h,i)perylene

Concen: 30.68 ng

RT: 17.470 min Scan# 1324

Delta R.T. 0.023 min

Lab File: BF090572.D

Acq: 14 Oct 2016 16:33

Tgt Ion:276 Resp: 659013

Ion Ratio Lower Upper

276 100

277 23.9 18.8 28.2

138 26.2 21.8 32.8

