

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081717\
 Data File : BF097809.D
 Acq On : 18 Aug 2017 2:06
 Operator : SJ/JU
 Sample : I4774-01
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HY-SB442

Quant Time: Aug 18 03:07:51 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 15 13:25:08 2017
 Response via : Initial Calibration

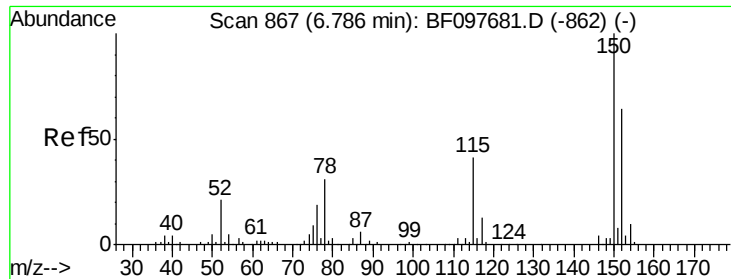
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	114047	20.00	ng	-0.01
21) Naphthalene-d8	8.06	136	343738	20.00	ng	0.00
38) Acenaphthene-d10	9.83	164	112817	20.00	ng	0.00
63) Phenanthrene-d10	11.31	188	219151	20.00	ng	0.00
75) Chrysene-d12	13.93	240	235367	20.00	ng	0.00
86) Perylene-d12	15.37	264	155966	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	487702	65.05	ng	0.00
7) Phenol-d6	6.40	99	645869	63.40	ng	0.00
23) Nitrobenzene-d5	7.33	82	388735	61.44	ng	-0.02
41) 2,4,6-Tribromophenol	10.61	330	66254	67.68	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	418958	54.56	ng	0.00
78) Terphenyl-d14	12.89	244	371113	32.88	ng	0.00

Target Compounds						Qvalue
18) Hexachloroethane	7.32	117	25837	7.62	ng	# 1
19) n-Nitroso-di-n-propylamine	7.21	70	24382	3.50	ng	# 61
25) Isophorone	7.59	82	69283	5.27	ng	# 1
26) 2-Nitrophenol	7.69	139	6201	7.42	ng	# 1
27) 2,4-Dimethylphenol	7.72	122	12774	2.33	ng	# 1
32) Benzoic acid	7.86	122	9765	8.52	ng	# 1
35) Caprolactam	8.50	113	119123	76.93	ng	# 67
36) 4-Chloro-3-methylphenol	8.60	107	12126	2.07	ng	# 20
37) 2-Methylnaphthalene	8.78	142	201719	18.44	ng	# 96
47) 2-Nitroaniline	9.54	65	12040	4.72	ng	# 97
48) Acenaphthylene	9.69	152	30484	2.55	ng	# 1
49) Dimethylphthalate	9.53	163	79962	9.70	ng	# 71
50) 2,6-Dinitrotoluene	9.63	165	9163	5.57	ng	# 74
51) Acenaphthene	9.86	154	25637	3.41	ng	# 72
52) 3-Nitroaniline	9.78	138	11744	5.53	ng	# 28
53) 2,4-Dinitrophenol	9.84	184	760	10.99	ng	# 1
54) Dibenzofuran	10.03	168	23170	2.30	ng	# 1
55) 4-Nitrophenol	9.93	139	26522	15.65	ng	# 1
56) 2,4-Dinitrotoluene	10.03	165	17600	8.52	ng	# 60
57) Fluorene	10.37	166	60876	7.80	ng	# 74
61) 4-Nitroaniline	10.29	138	13020	6.45	ng	# 89
64) 4,6-Dinitro-2-methylphenol	10.39	198	2051	9.96	ng	# 1
65) n-Nitrosodiphenylamine	10.49	169	173625	23.27	ng	# 45
68) Atrazine	11.01	200	5231	2.64	ng	# 7
70) Phenanthrene	11.33	178	156396	13.39	ng	# 87
71) Anthracene	11.36	178	41045	3.47	ng	# 1
74) Fluoranthene	12.52	202	55904	4.59	ng	# 89
77) Pyrene	12.74	202	154529	8.03	ng	# 96
83) Bis(2-ethylhexyl)phthalate	13.93	149	33314	4.07	ng	# 92
87) Benzo(b)fluoranthene	14.96	252	26363	2.68	ng	# 1
88) Benzo(k)fluoranthene	14.96	252	26363	2.85	ng	# 1

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

```
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Operator  : SJ/JU
Sample    : I4774-01
Misc      :
ALS Vial  : 25    Sample Multiplier: 1
```



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.77 min Scan# 797

Delta R.T. -0.01 min

Lab File: BF097809.D

Acq: 18 Aug 2017 2:06

Instrument :

BNA_F

ClientSampleId :

HY-SB442

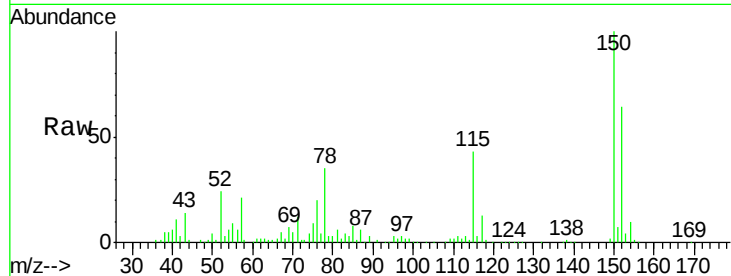
Tot Ion:152 Resp: 114047

Ion Ratio Lower Upper

152 100

150 156.9 126.2 189.2

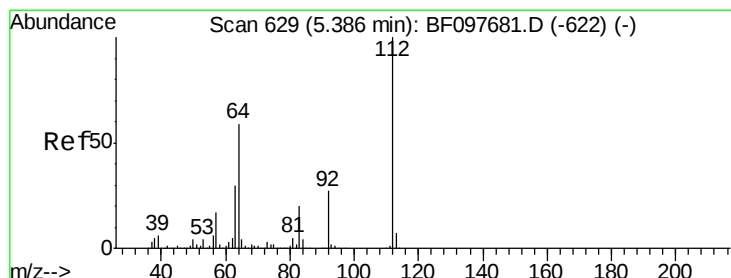
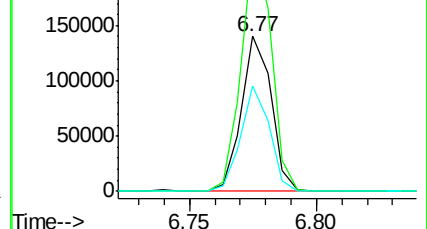
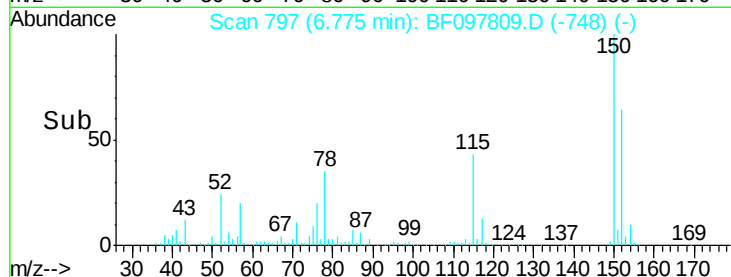
115 68.2 52.2 78.2



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: 65.05 ng

RT: 5.38 min Scan# 560

Delta R.T. -0.01 min

Lab File: BF097809.D

Acq: 18 Aug 2017 2:06

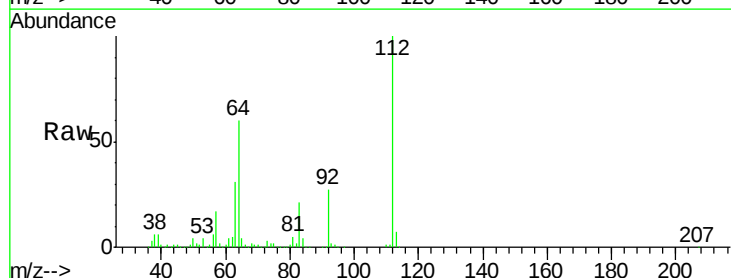
Tgt Ion:112 Resp: 487702

Ion Ratio Lower Upper

112 100

64 60.4 46.0 69.0

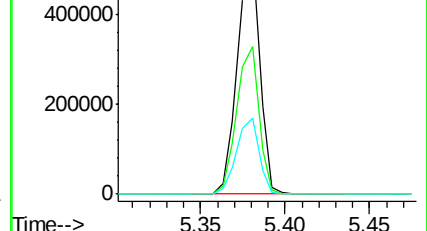
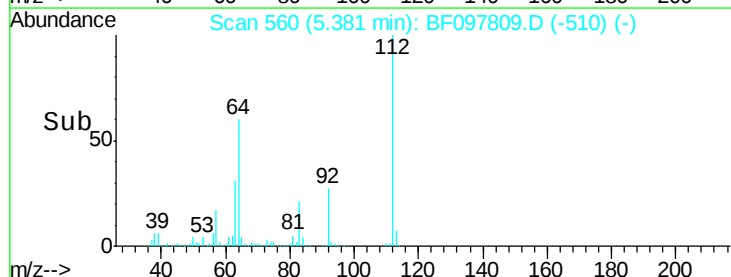
63 31.2 23.4 35.0

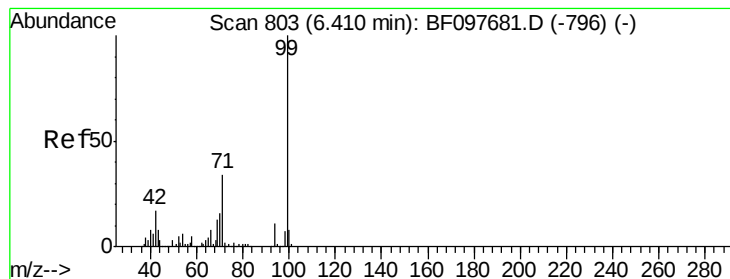


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 63.40 ng

RT: 6.40 min Scan# 734

Delta R.T. -0.01 min

Lab File: BF097809.D

Acq: 18 Aug 2017 2:06

Instrument :

BNA_F

ClientSampleId :

HY-SB442

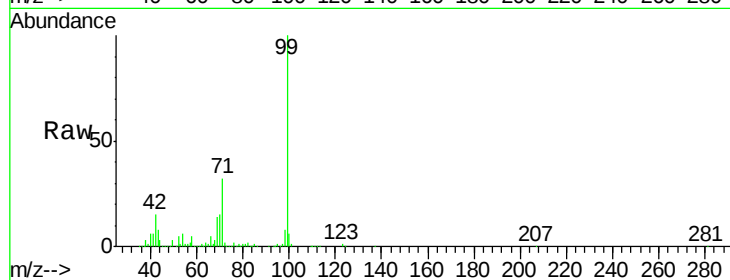
Tot Ion: 99 Resp: 645869

Ion Ratio Lower Upper

99 100

42 15.4 13.5 20.3

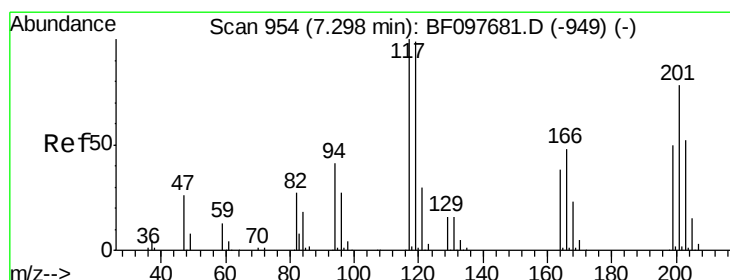
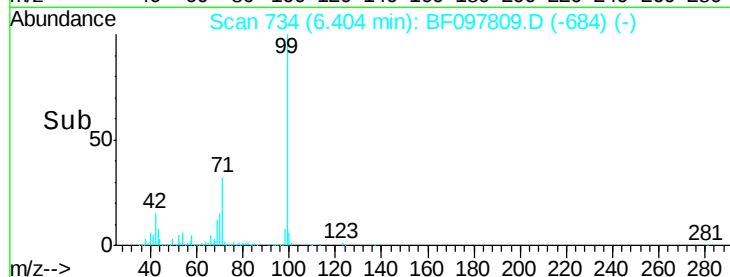
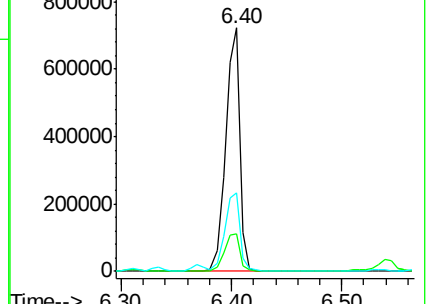
71 32.4 24.5 36.7



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



#18

Hexachloroethane

Concen: 7.62 ng

RT: 7.32 min Scan# 889

Delta R.T. 0.02 min

Lab File: BF097809.D

Acq: 18 Aug 2017 2:06

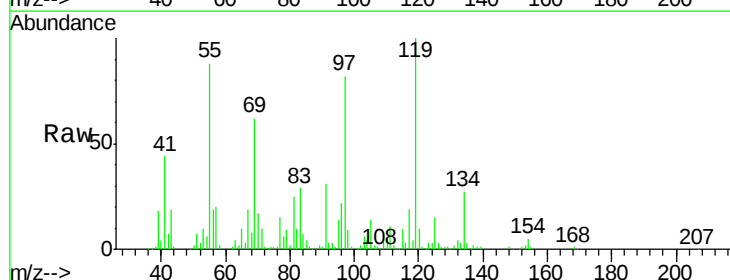
Tgt Ion: 117 Resp: 25837

Ion Ratio Lower Upper

117 100

119 534.7 77.4 116.0#

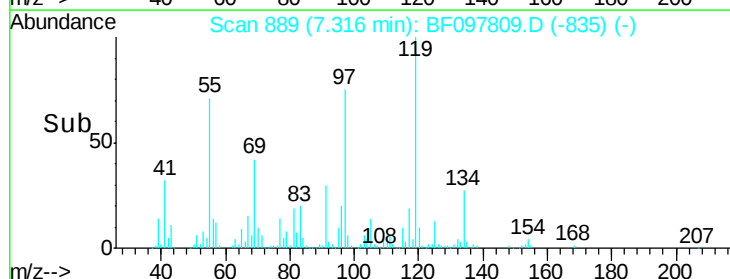
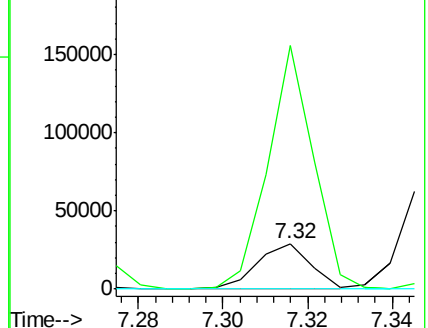
201 0.0 94.6 141.8#

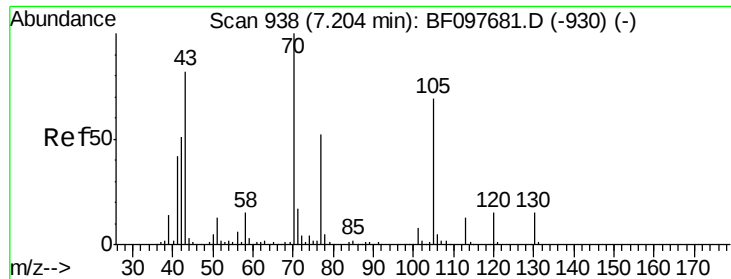


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

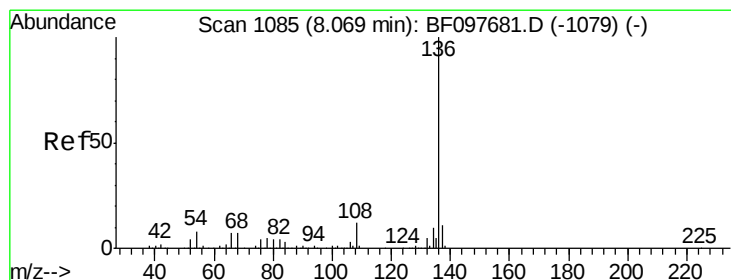
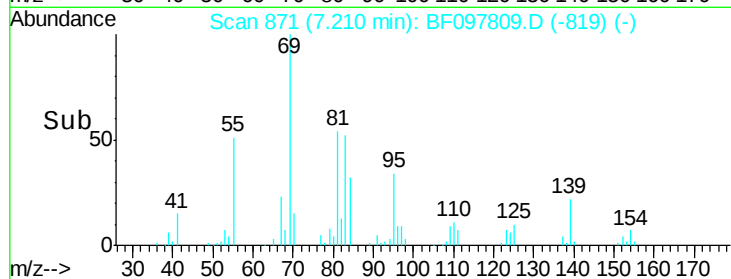
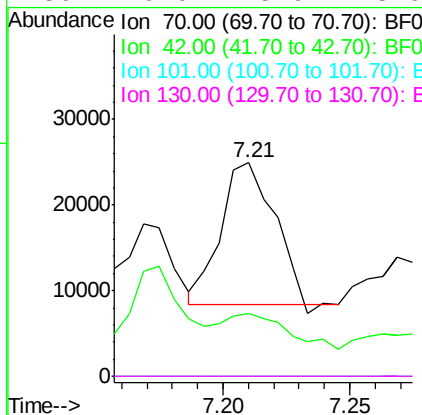
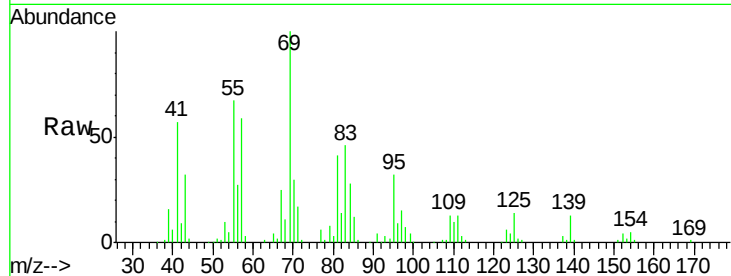




#19
n-Nitroso-di-n-propylamine
Concen: 3.50 ng
RT: 7.21 min Scan# 871
Delta R.T. 0.01 min
Lab File: BF097809.D
Acq: 18 Aug 2017 2:06

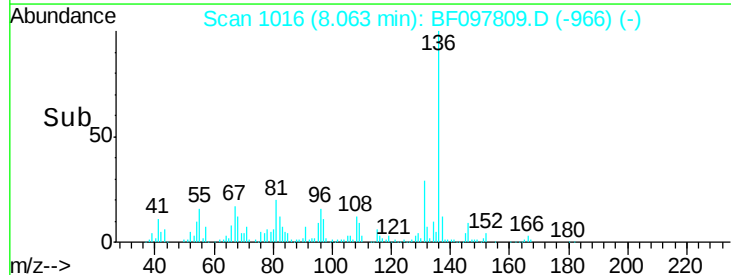
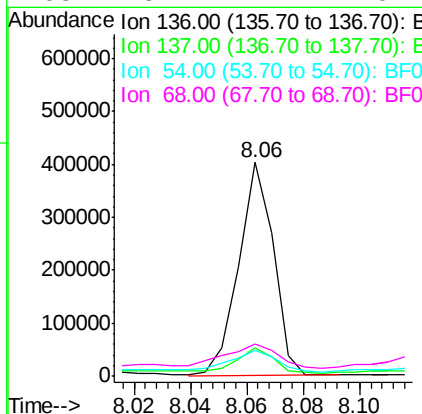
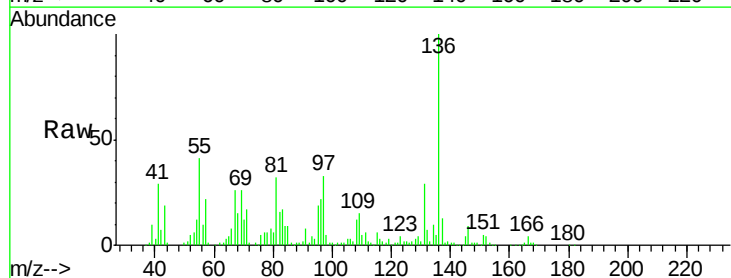
Instrument :
BNA_F
ClientSampleId :
HY-SB442

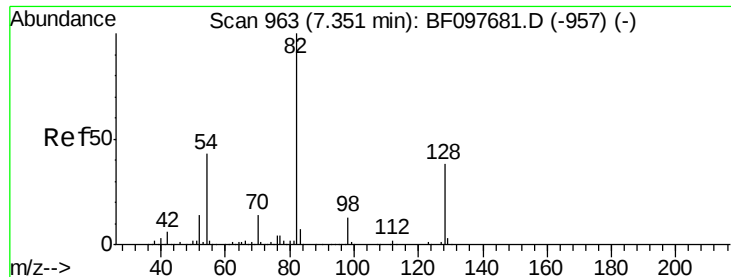
Tot Ion: 70 Resp: 24382
Ion Ratio Lower Upper
70 100
42 29.2 47.2 70.8#
101 0.0 7.2 10.8#
130 0.0 15.9 23.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.06 min Scan# 1016
Delta R.T. -0.01 min
Lab File: BF097809.D
Acq: 18 Aug 2017 2:06

Tgt Ion: 136 Resp: 343738
Ion Ratio Lower Upper
136 100
137 13.3 8.5 12.7#
54 11.9 4.9 7.3#
68 15.1 4.1 6.1#





#23

Nitrobenzene-d5

Concen: 61.44 ng

RT: 7.33 min Scan# 892

Delta R.T. -0.02 min

Lab File: BF097809.D

Acq: 18 Aug 2017 2:06

Instrument :

BNA_F

ClientSampleId :

HY-SB442

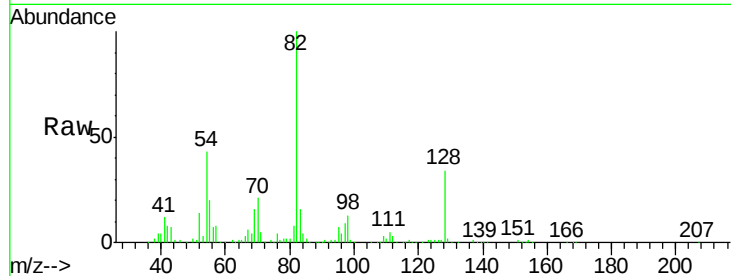
Tot Ion: 82 Resp: 388735

Ion Ratio Lower Upper

82 100

128 34.0 34.0 51.0

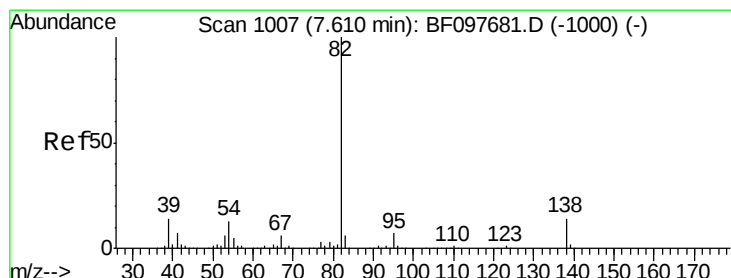
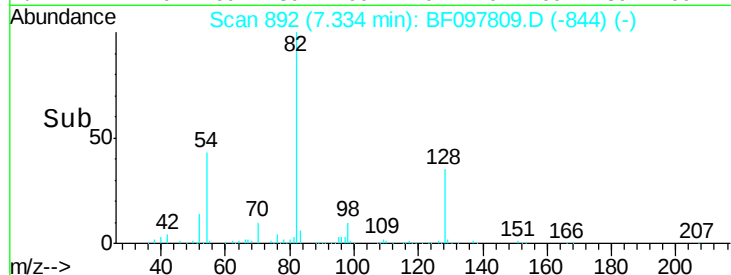
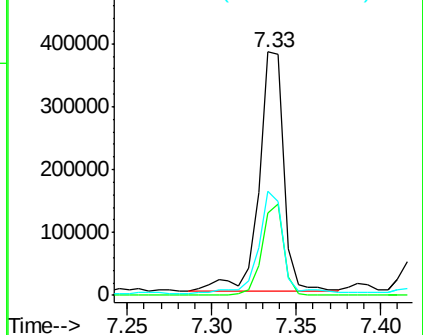
54 42.9 42.2 63.2



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#25

Isophorone

Concen: 5.27 ng

RT: 7.59 min Scan# 936

Delta R.T. -0.02 min

Lab File: BF097809.D

Acq: 18 Aug 2017 2:06

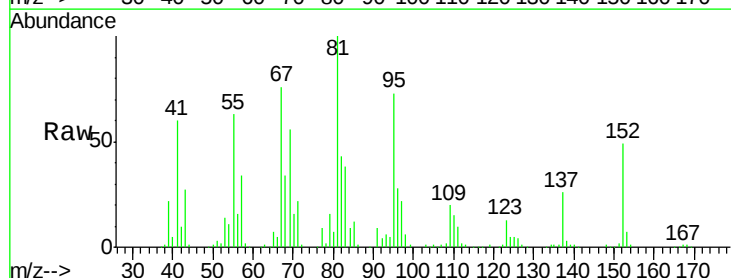
Tgt Ion: 82 Resp: 69283

Ion Ratio Lower Upper

82 100

95 170.7 5.3 7.9#

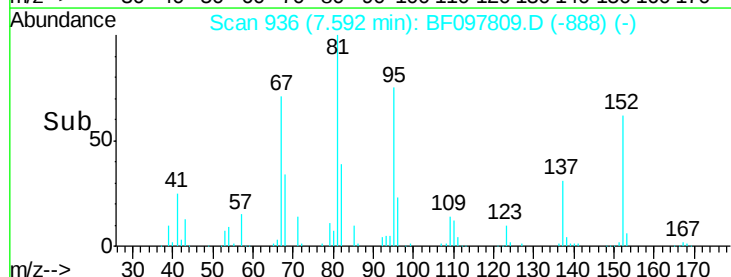
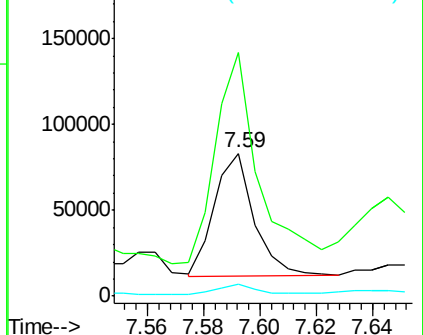
138 8.1 13.1 19.7#

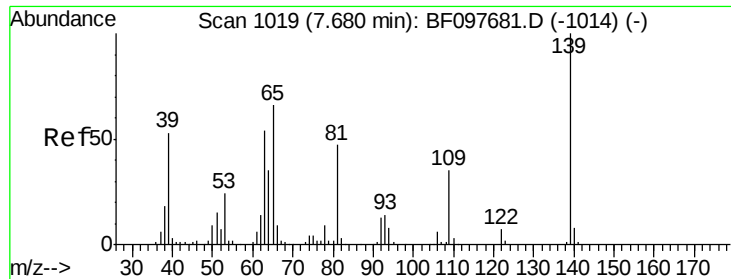


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0

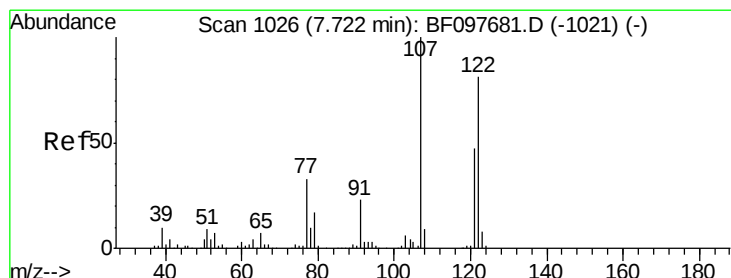
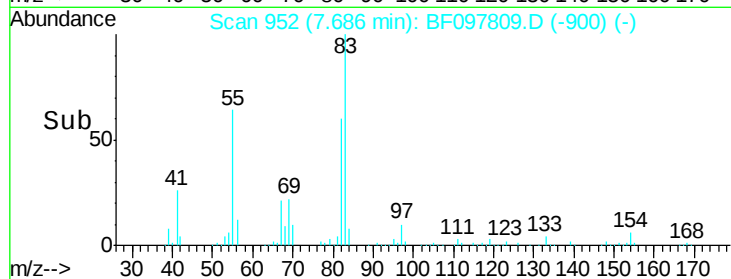
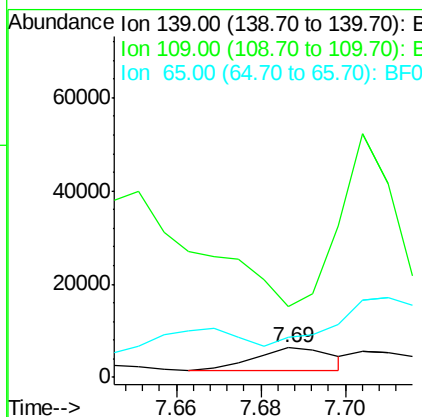
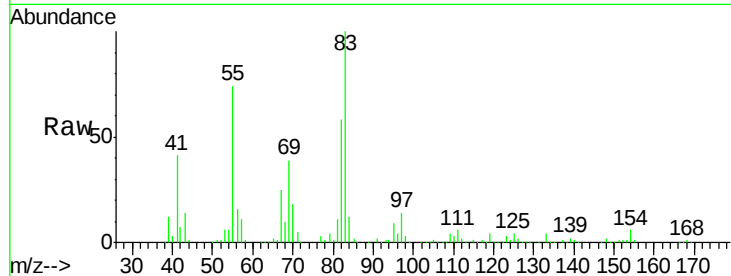




#26
 2-Nitrophenol
 Concen: 7.42 ng
 RT: 7.69 min Scan# 952
 Delta R.T. 0.01 min
 Lab File: BF097809.D
 Acq: 18 Aug 2017 2:06

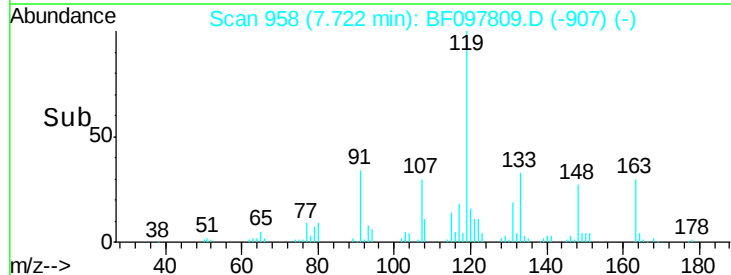
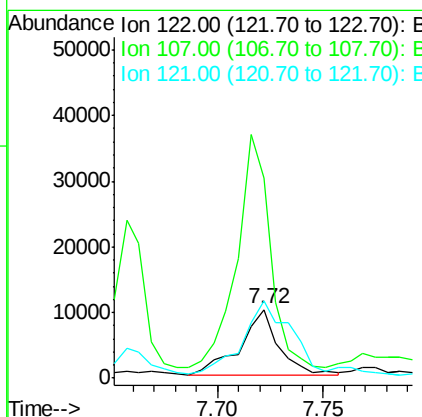
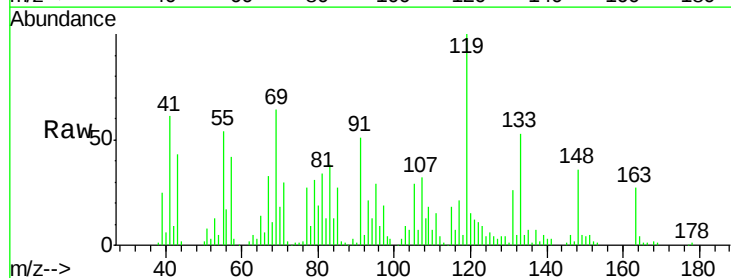
Instrument :
 BNA_F
 ClientSampled :
 HY-SB442

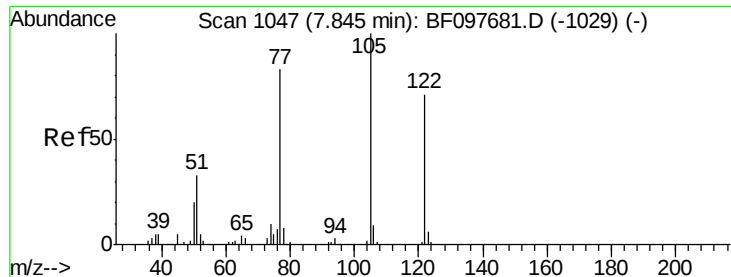
Tot Ion	Ratio	Lower	Upper
139	100		
109	242.3	21.0	31.6#
65	137.5	33.0	49.6#



#27
 2,4-Dimethylphenol
 Concen: 2.33 ng
 RT: 7.72 min Scan# 958
 Delta R.T. 0.00 min
 Lab File: BF097809.D
 Acq: 18 Aug 2017 2:06

Tgt Ion	Ratio	Lower	Upper
122	100		
107	291.6	89.2	133.8#
121	112.7	45.2	67.8#

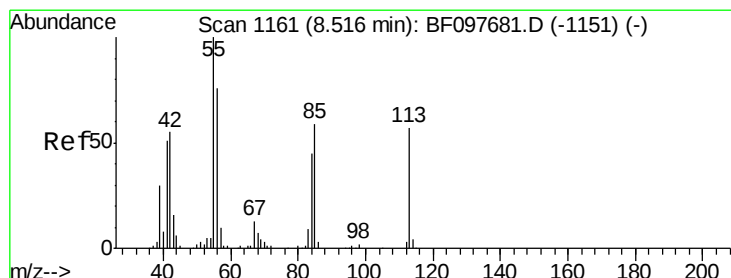
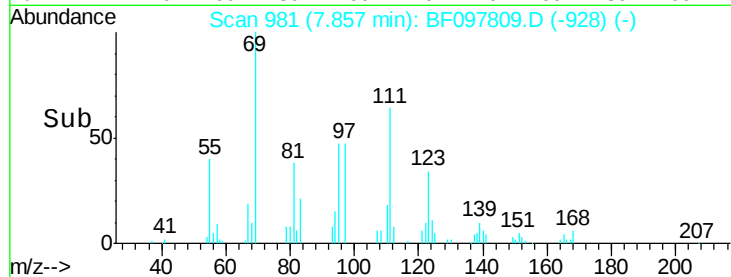
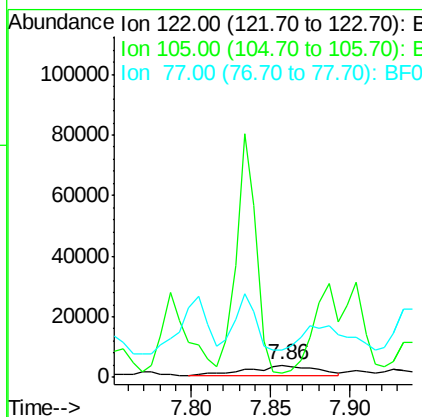
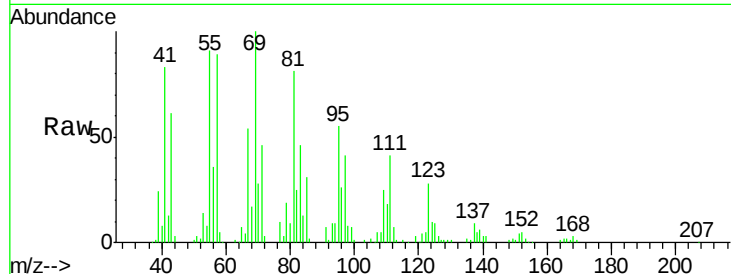




#32
Benzoic acid
Concen: 8.52 ng
RT: 7.86 min Scan# 981
Delta R.T. 0.01 min
Lab File: BF097809.D
Acq: 18 Aug 2017 2:06

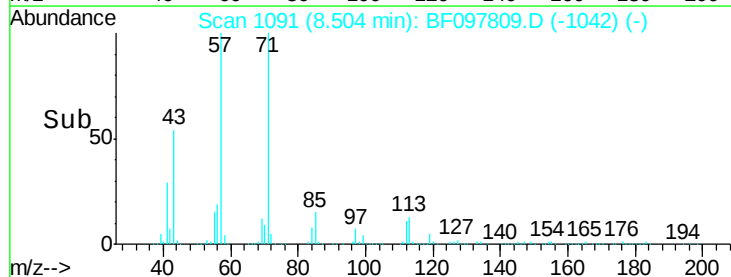
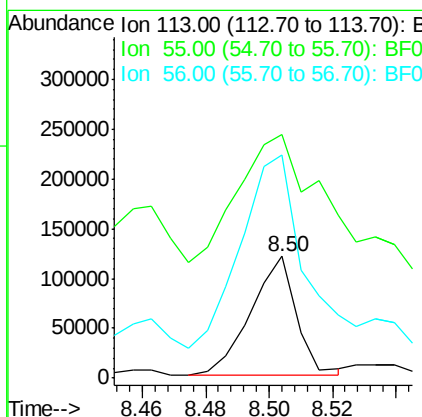
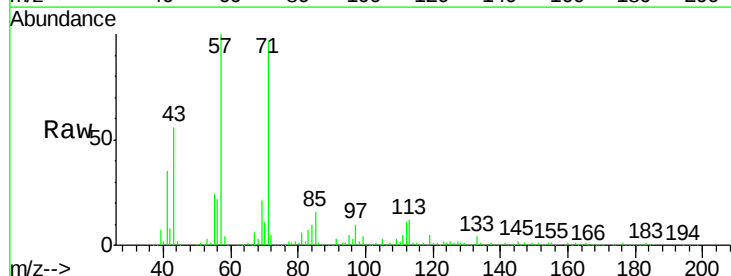
Instrument :
BNA_F
ClientSampled :
HY-SB442

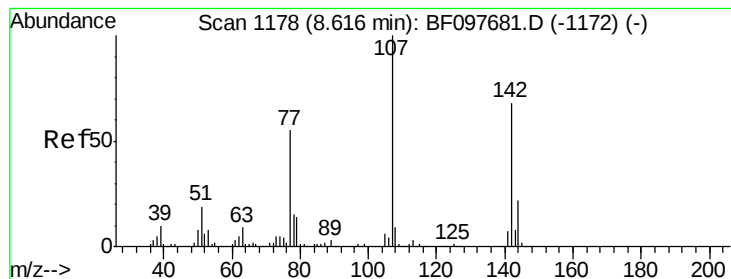
Tot Ion:122 Resp: 9765
Ion Ratio Lower Upper
122 100
105 34.5 103.3 143.3#
77 215.1 73.7 113.7#



#35
Caprolactam
Concen: 76.93 ng
RT: 8.50 min Scan# 1091
Delta R.T. -0.01 min
Lab File: BF097809.D
Acq: 18 Aug 2017 2:06

Tgt Ion:113 Resp: 119123
Ion Ratio Lower Upper
113 100
55 200.0 150.2 190.2#
56 182.8 107.8 147.8#





#36

4-Chloro-3-methylphenol

Concen: 2.07 ng

RT: 8.60 min Scan# 1107

Delta R.T. -0.02 min

Lab File: BF097809.D

Acq: 18 Aug 2017 2:06

Instrument :

BNA_F

ClientSampleId :

HY-SB442

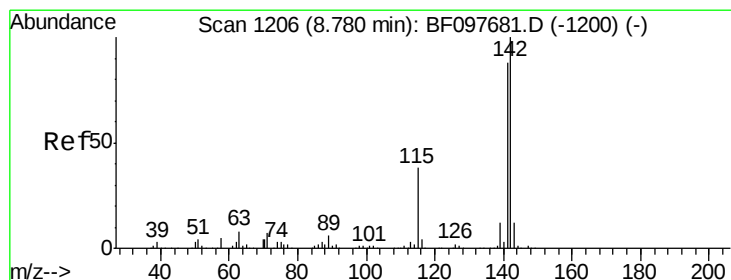
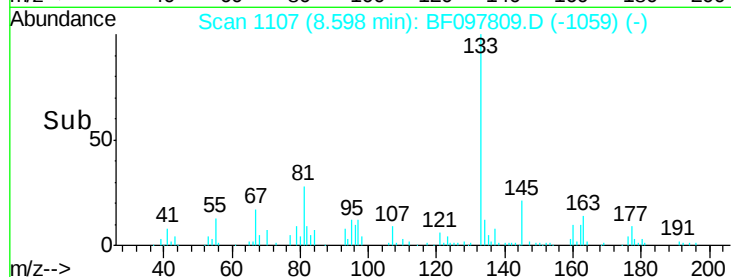
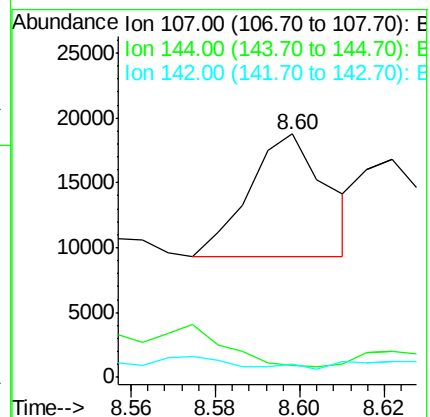
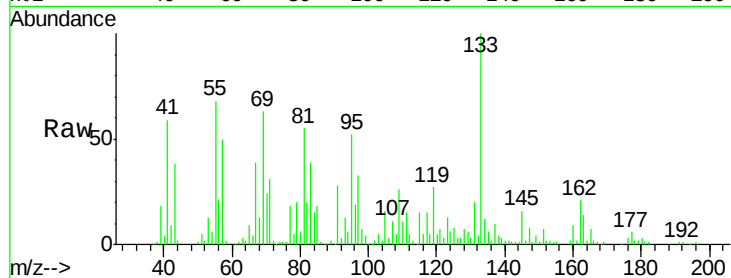
Tot Ion:107 Resp: 12126

Ion Ratio Lower Upper

107 100

144 5.2 24.2 36.4#

142 5.2 73.4 110.0#



#37

2-Methylnaphthalene

Concen: 18.44 ng

RT: 8.78 min Scan# 1138

Delta R.T. 0.00 min

Lab File: BF097809.D

Acq: 18 Aug 2017 2:06

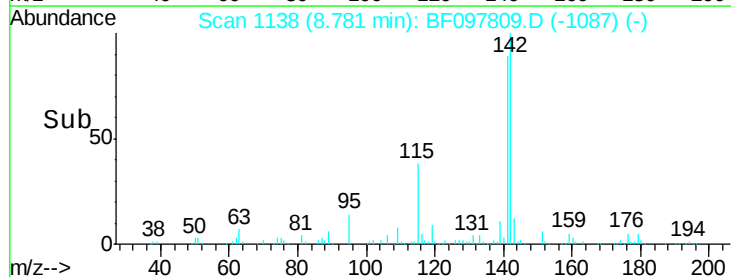
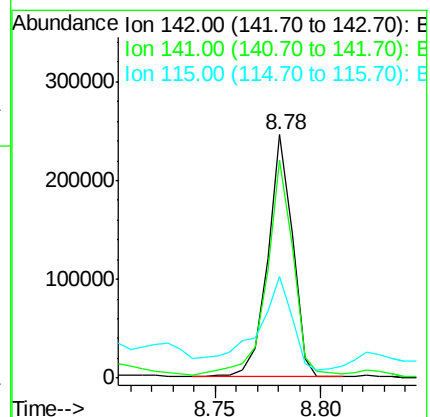
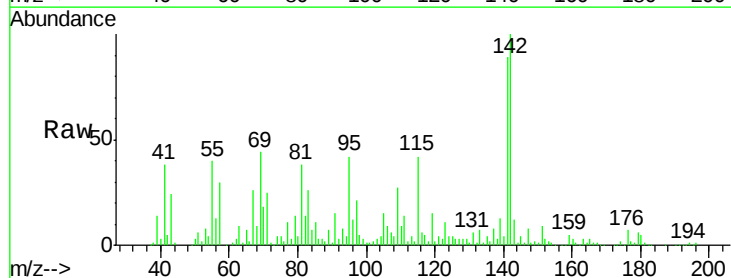
Tgt Ion:142 Resp: 201719

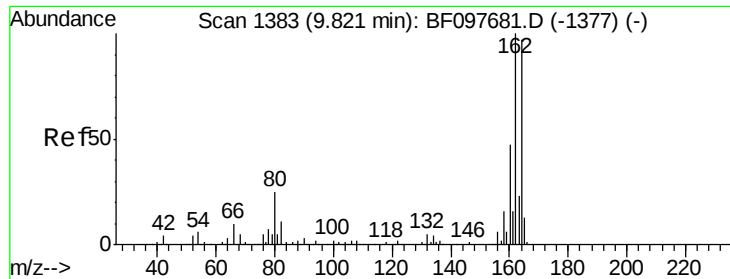
Ion Ratio Lower Upper

142 100

141 89.3 71.3 106.9

115 41.7 27.1 40.7#

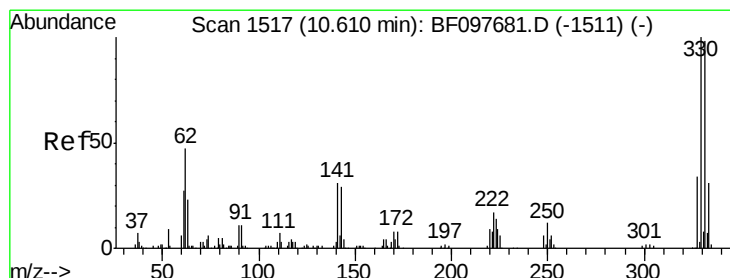
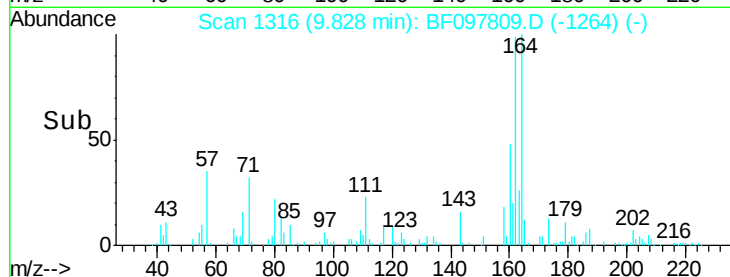
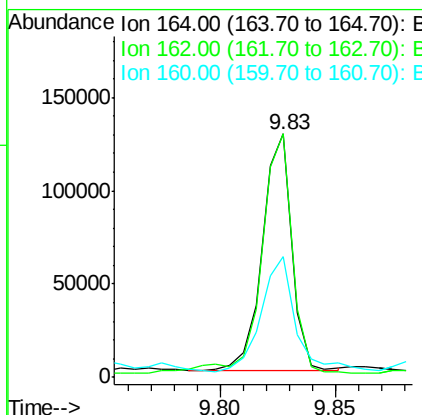
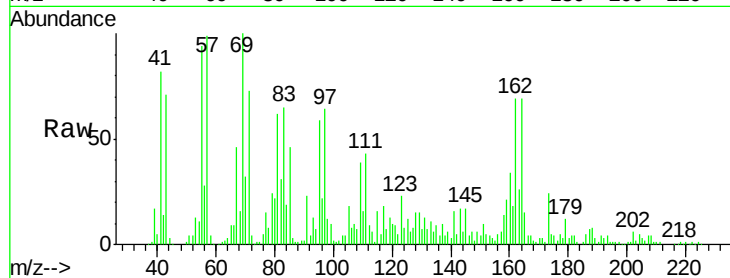




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.83 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: BF097809.D
 Acq: 18 Aug 2017 2:06

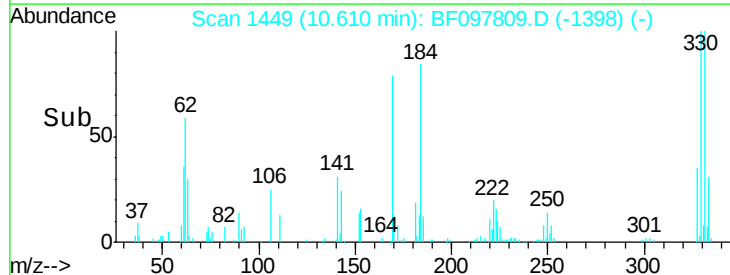
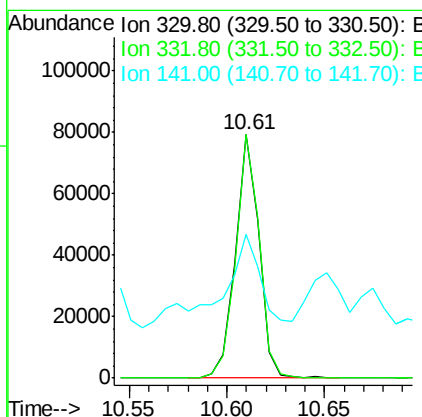
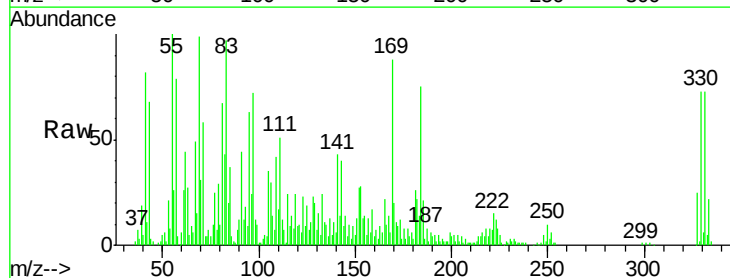
Instrument :
 BNA_F
 ClientSampleId :
 HY-SB442

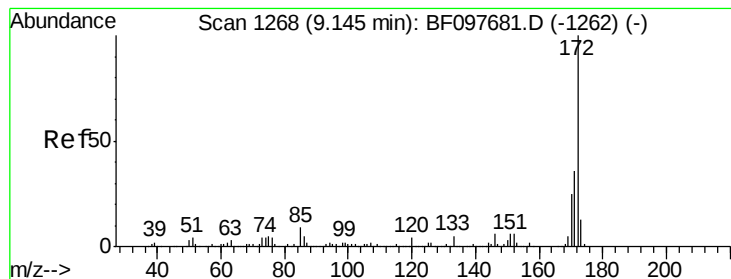
Tot Ion:164 Resp: 112817
 Ion Ratio Lower Upper
 164 100
 162 100.2 82.6 123.8
 160 49.6 36.2 54.2



#41
 2,4,6-Tribromophenol
 Concen: 67.68 ng
 RT: 10.61 min Scan# 1449
 Delta R.T. 0.00 min
 Lab File: BF097809.D
 Acq: 18 Aug 2017 2:06

Tgt Ion:330 Resp: 66254
 Ion Ratio Lower Upper
 330 100
 332 99.5 76.6 115.0
 141 44.5 31.4 47.2





#44

2-Fluorobiphenyl

Concen: 54.56 ng

RT: 9.15 min Scan# 1200

Delta R.T. 0.00 min

Lab File: BF097809.D

Acq: 18 Aug 2017 2:06

Instrument :

BNA_F

ClientSampleId :

HY-SB442

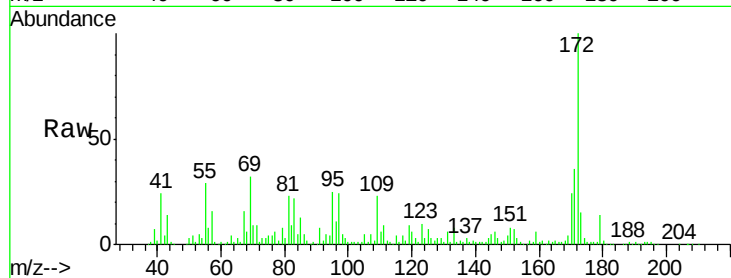
Tot Ion:172 Resp: 418958

Ion Ratio Lower Upper

172 100

171 36.0 29.6 44.4

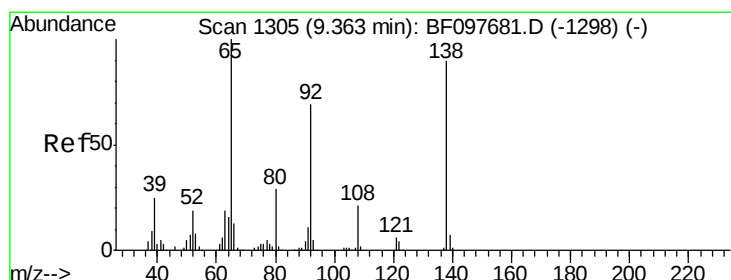
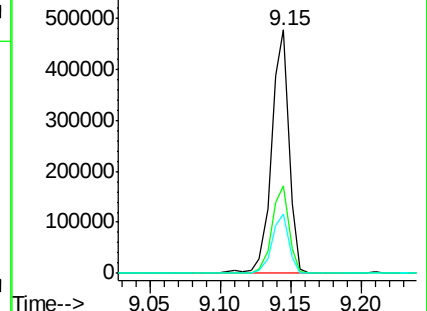
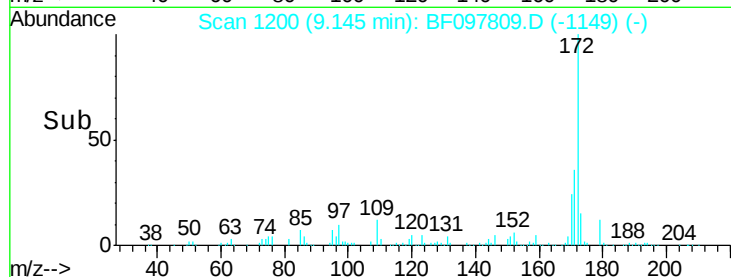
170 24.4 19.8 29.8



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



#47

2-Nitroaniline

Concen: 4.72 ng

RT: 9.54 min Scan# 1267

Delta R.T. 0.18 min

Lab File: BF097809.D

Acq: 18 Aug 2017 2:06

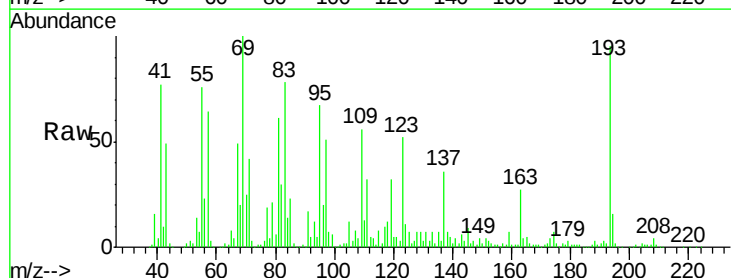
Tgt Ion: 65 Resp: 12040

Ion Ratio Lower Upper

65 100

92 63.6 53.9 80.9

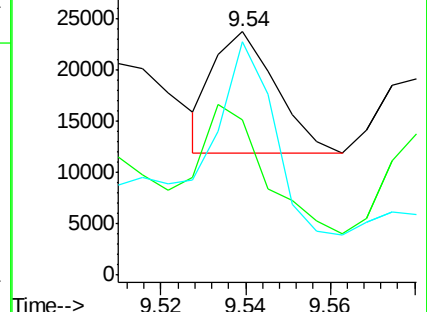
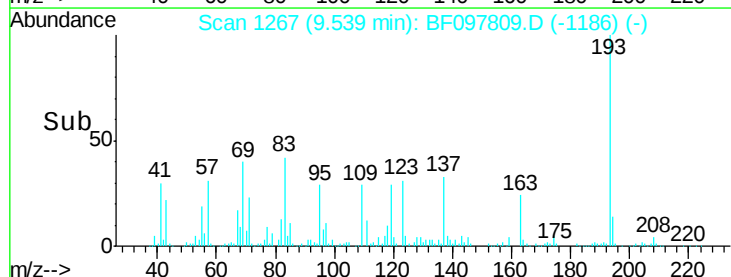
138 96.0 78.8 118.2

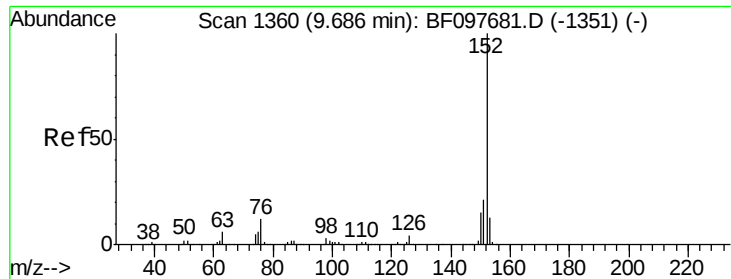


Abundance Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0

Ion 138.00 (137.70 to 138.70): E





#48

Acenaphthylene

Concen: 2.55 ng

RT: 9.69 min Scan# 1292

Delta R.T. 0.00 min

Lab File: BF097809.D

Acq: 18 Aug 2017 2:06

Instrument :

BNA_F

ClientSampleId :

HY-SB442

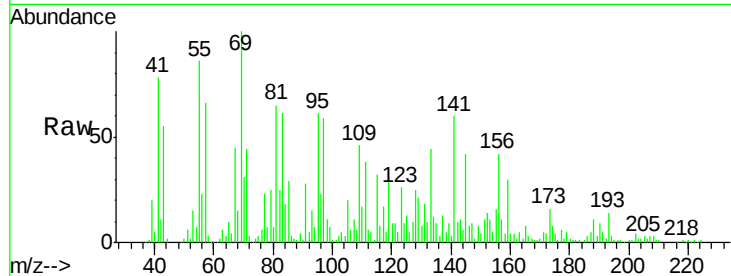
Tot Ion:152 Resp: 30484

Ion Ratio Lower Upper

152 100

151 76.0 16.8 25.2#

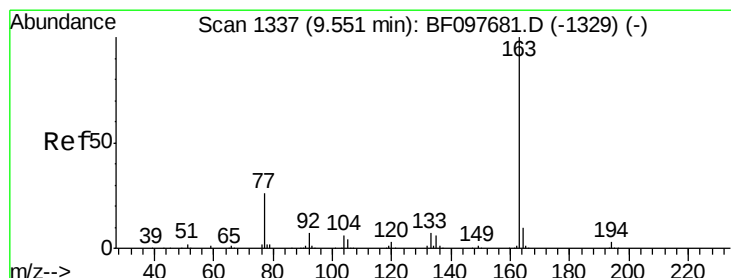
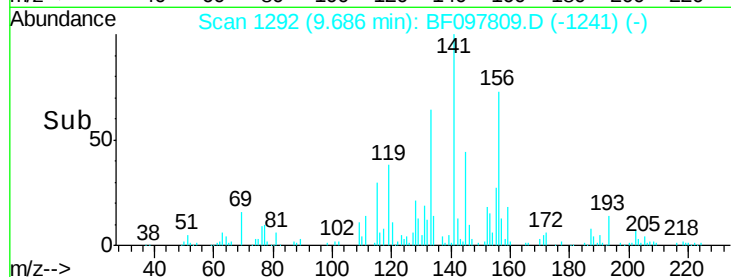
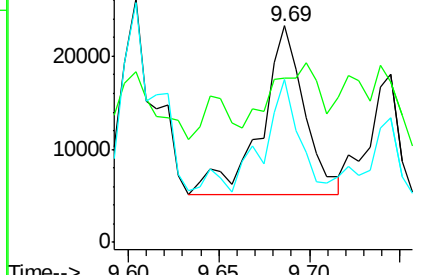
153 75.5 10.8 16.2#



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: 9.70 ng

RT: 9.53 min Scan# 1266

Delta R.T. -0.02 min

Lab File: BF097809.D

Acq: 18 Aug 2017 2:06

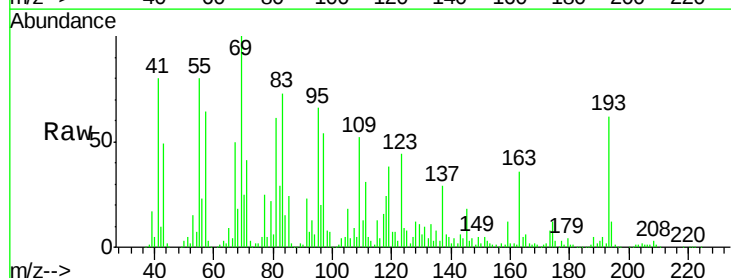
Tgt Ion:163 Resp: 79962

Ion Ratio Lower Upper

163 100

194 34.9 2.6 4.0#

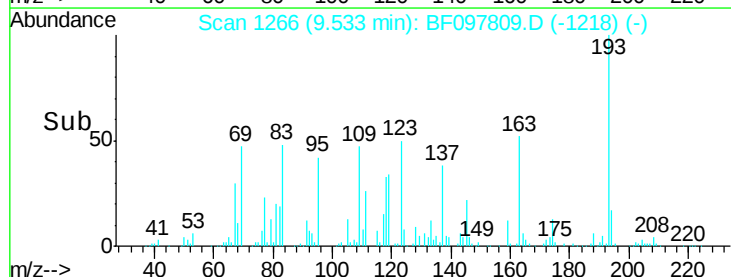
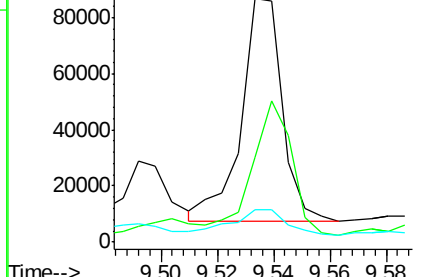
164 13.3 8.4 12.6#

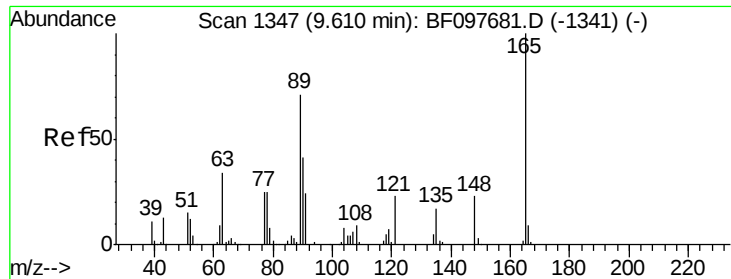


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

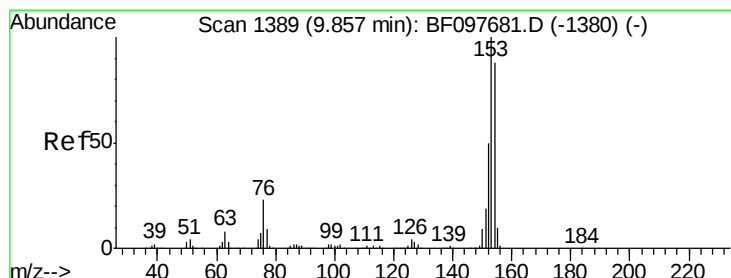
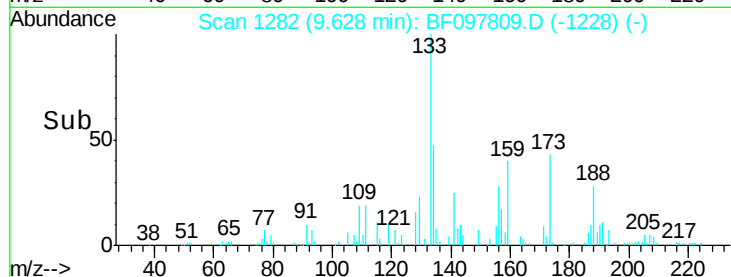
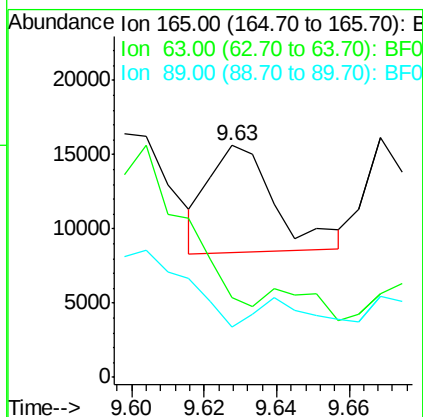
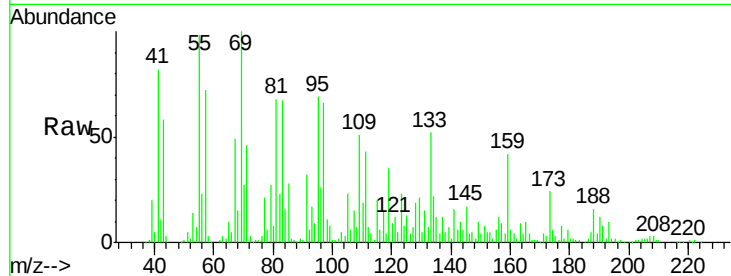




#50
2,6-Dinitrotoluene
Concen: 5.57 ng
RT: 9.63 min Scan# 1282
Delta R.T. 0.02 min
Lab File: BF097809.D
Acq: 18 Aug 2017 2:06

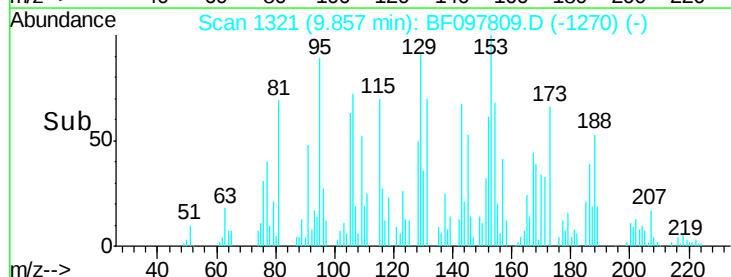
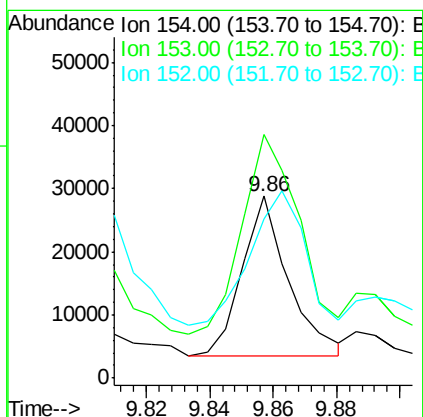
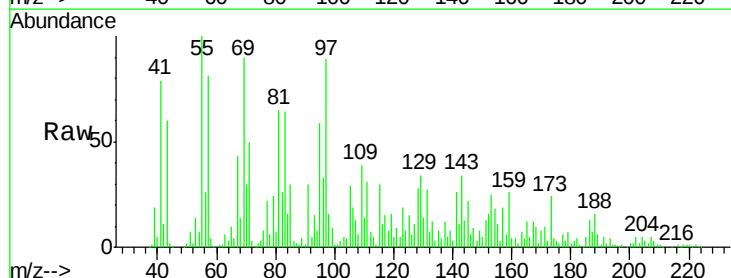
Instrument :
BNA_F
ClientSampleId :
HY-SB442

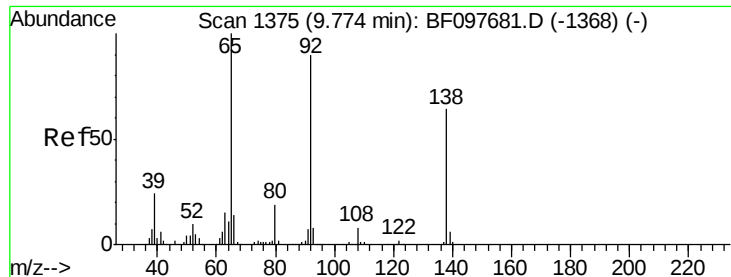
Tot Ion:165 Resp: 9163
Ion Ratio Lower Upper
165 100
63 34.2 34.3 51.5#
89 21.8 37.1 55.7#



#51
Acenaphthene
Concen: 3.41 ng
RT: 9.86 min Scan# 1321
Delta R.T. 0.00 min
Lab File: BF097809.D
Acq: 18 Aug 2017 2:06

Tgt Ion:154 Resp: 25637
Ion Ratio Lower Upper
154 100
153 134.0 90.5 135.7
152 87.3 43.6 65.4#





#52

3-Nitroaniline

Concen: 5.53 ng

RT: 9.78 min Scan# 1308

Delta R.T. 0.01 min

Lab File: BF097809.D

Acq: 18 Aug 2017 2:06

Instrument :

BNA_F

ClientSampleId :

HY-SB442

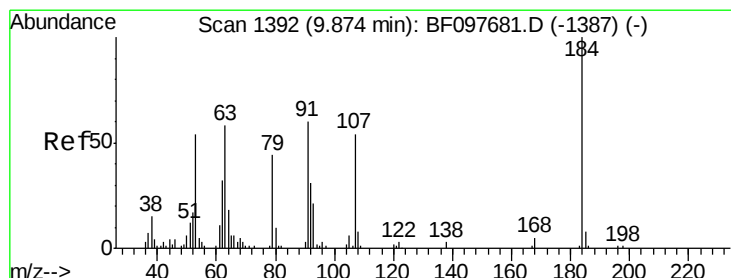
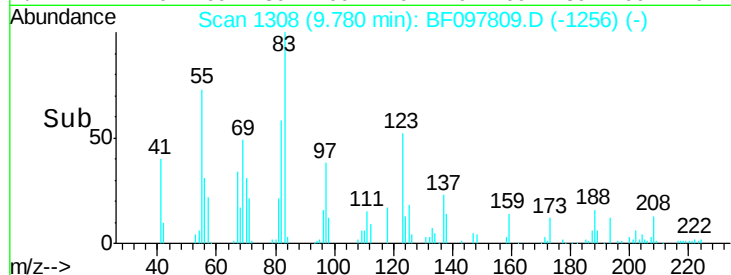
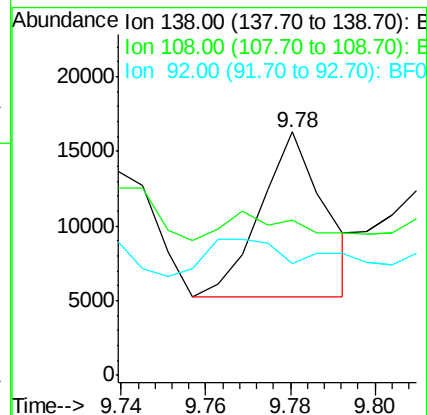
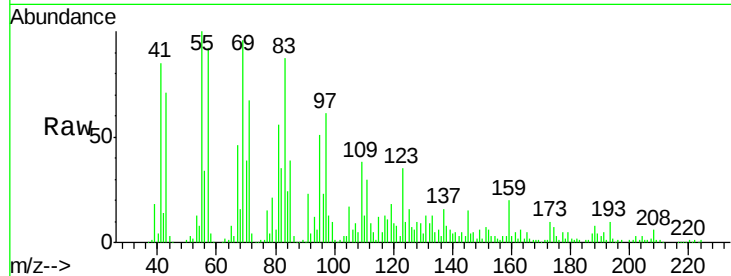
Tot Ion:138 Resp: 11744

Ion Ratio Lower Upper

138 100

108 64.0 9.1 13.7#

92 45.7 93.8 140.6#



#53

2,4-Dinitrophenol

Concen: 10.99 ng

RT: 9.84 min Scan# 1318

Delta R.T. -0.03 min

Lab File: BF097809.D

Acq: 18 Aug 2017 2:06

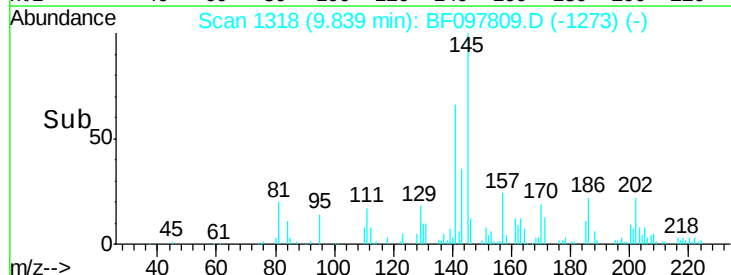
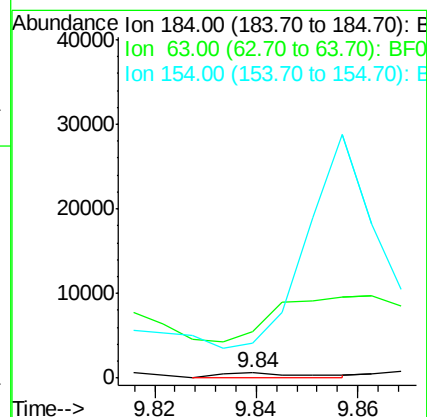
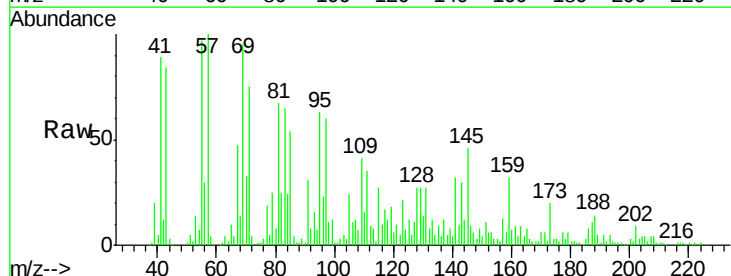
Tgt Ion:184 Resp: 760

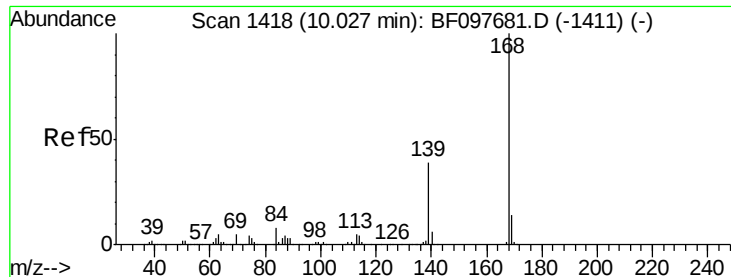
Ion Ratio Lower Upper

184 100

63 919.8 62.7 94.1#

154 692.2 81.1 121.7#





#54

Dibenzofuran

Concen: 2.30 ng

RT: 10.03 min Scan# 1350

Delta R.T. 0.00 min

Lab File: BF097809.D

Acq: 18 Aug 2017 2:06

Instrument :

BNA_F

ClientSampleId :

HY-SB442

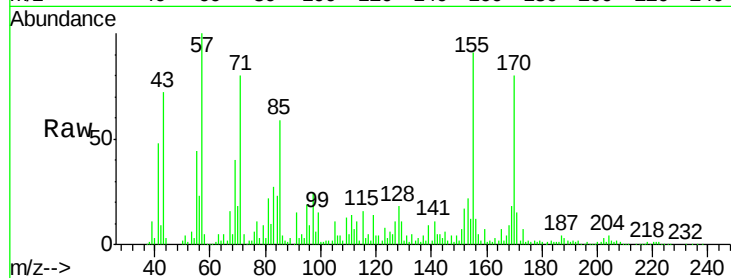
Tot Ion:168 Resp: 23170

Ion Ratio Lower Upper

168 100

139 102.9 30.6 45.8#

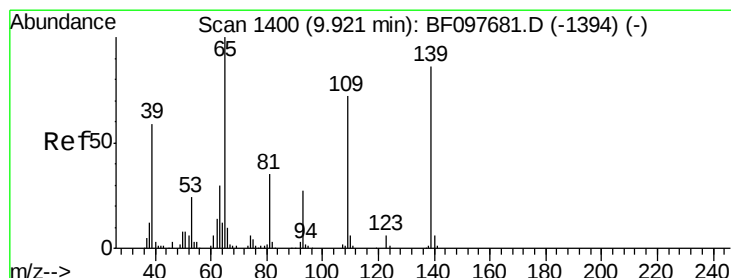
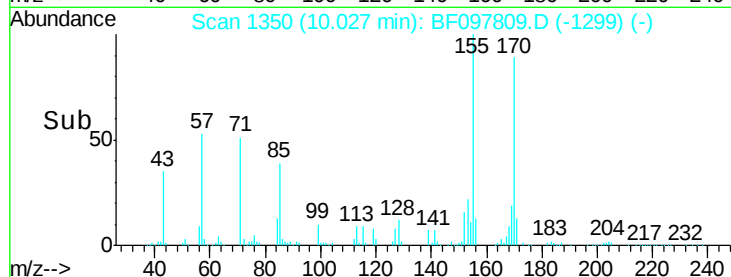
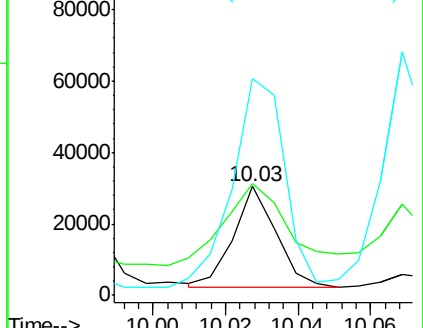
169 199.0 10.8 16.2#



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: 15.65 ng

RT: 9.93 min Scan# 1333

Delta R.T. 0.01 min

Lab File: BF097809.D

Acq: 18 Aug 2017 2:06

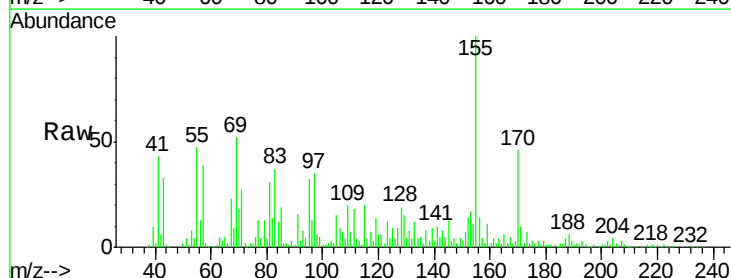
Tgt Ion:139 Resp: 26522

Ion Ratio Lower Upper

139 100

109 215.3 34.1 74.1#

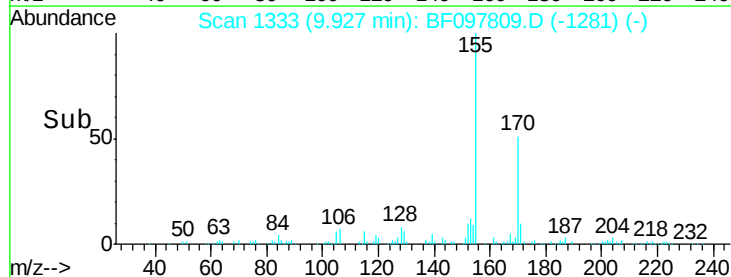
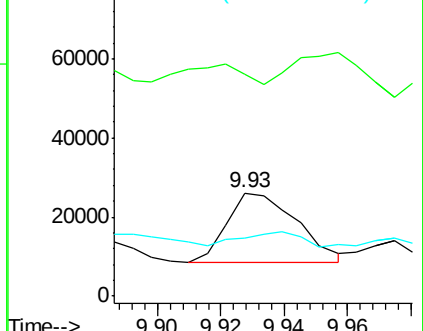
65 56.5 31.4 71.4

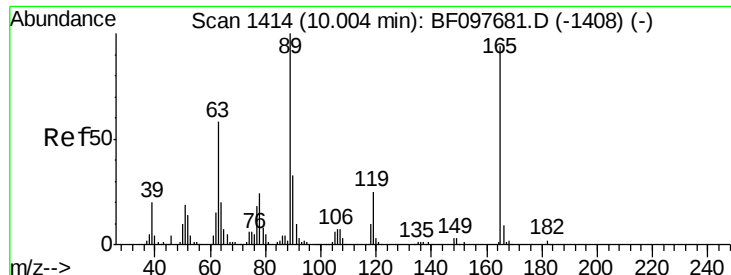


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

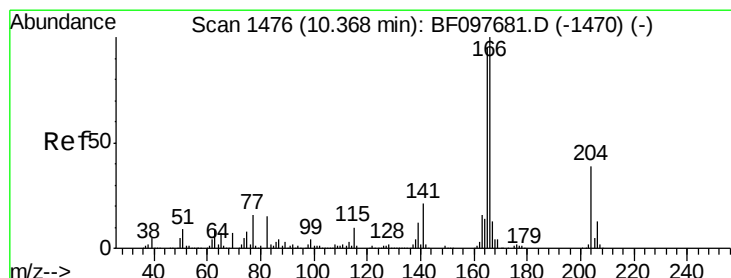
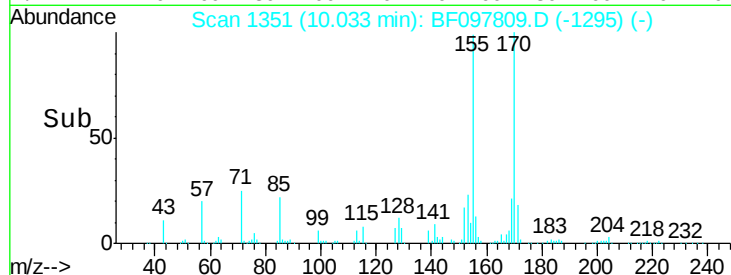
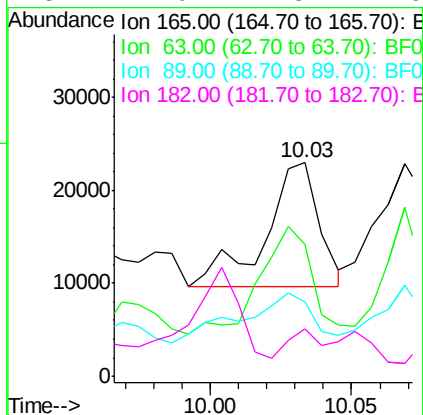
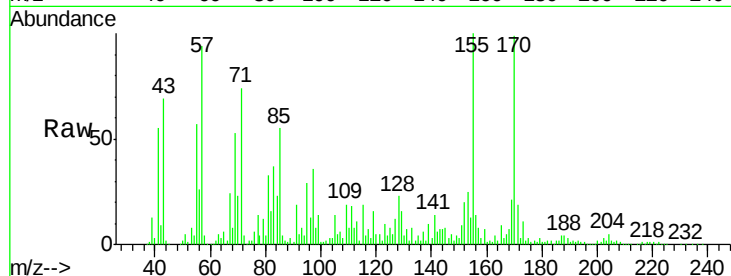




#56
2,4-Dinitrotoluene
Concen: 8.52 ng
RT: 10.03 min Scan# 1351
Delta R.T. 0.03 min
Lab File: BF097809.D
Acq: 18 Aug 2017 2:06

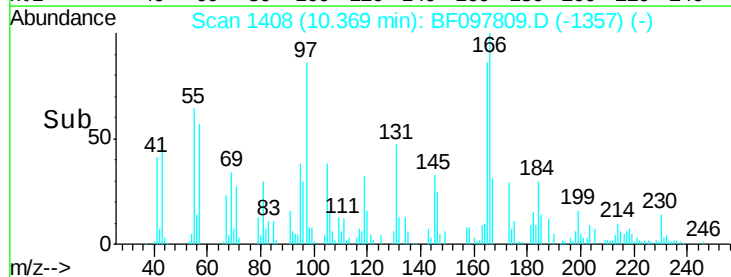
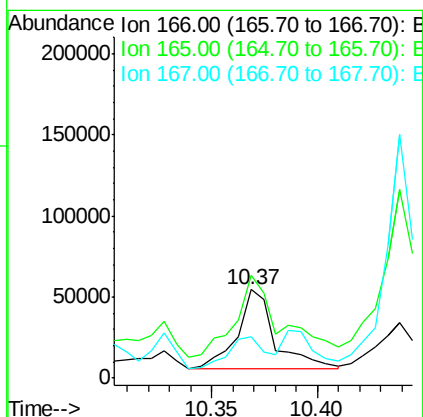
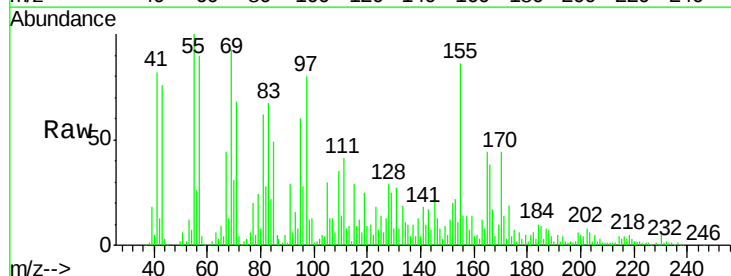
Instrument :
BNA_F
ClientSampleId :
HY-SB442

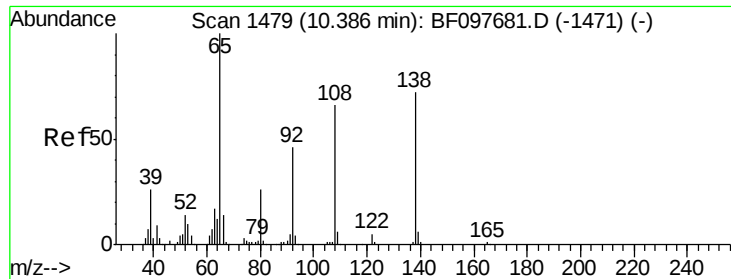
Tot Ion:165 Resp: 17600
Ion Ratio Lower Upper
165 100
63 61.7 25.4 38.0#
89 35.0 46.4 69.6#
182 22.0 1.8 2.6#



#57
Fluorene
Concen: 7.80 ng
RT: 10.37 min Scan# 1408
Delta R.T. 0.00 min
Lab File: BF097809.D
Acq: 18 Aug 2017 2:06

Tgt Ion:166 Resp: 60876
Ion Ratio Lower Upper
166 100
165 116.2 78.8 118.2
167 46.2 10.6 16.0#

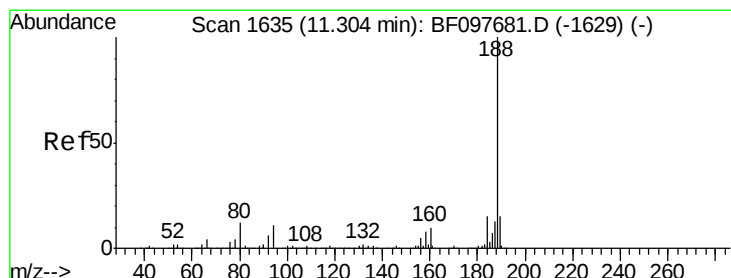
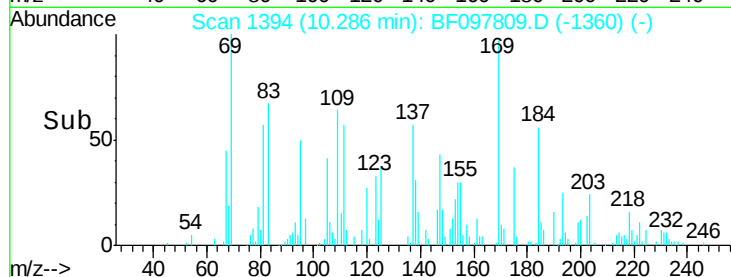
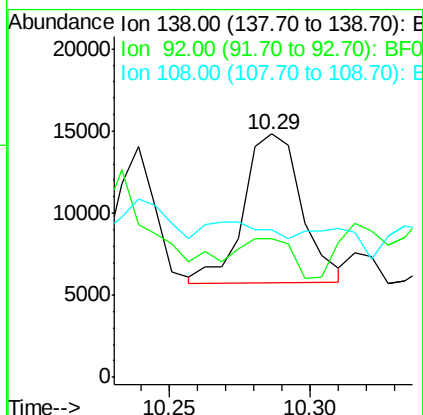
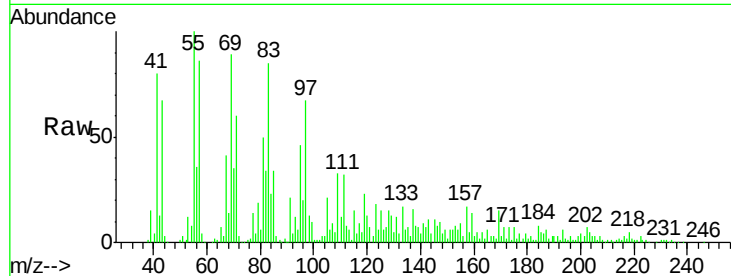




#61
4-Nitroaniline
Concen: 6.45 ng
RT: 10.29 min Scan# 1394
Delta R.T. -0.10 min
Lab File: BF097809.D
Acq: 18 Aug 2017 2:06

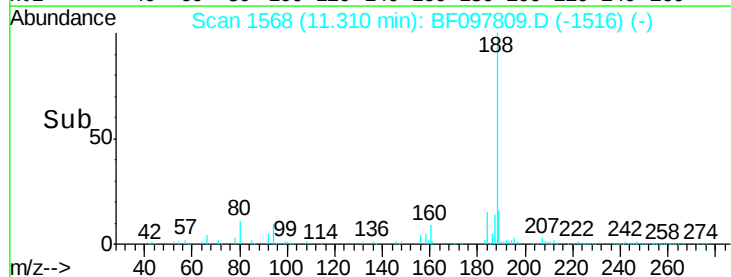
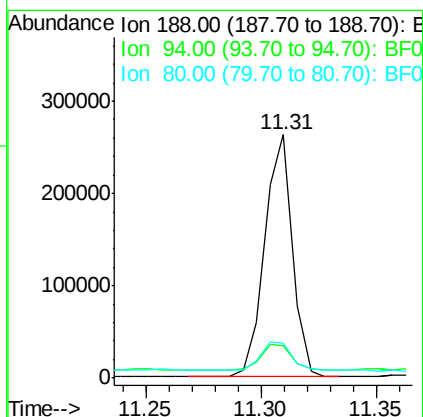
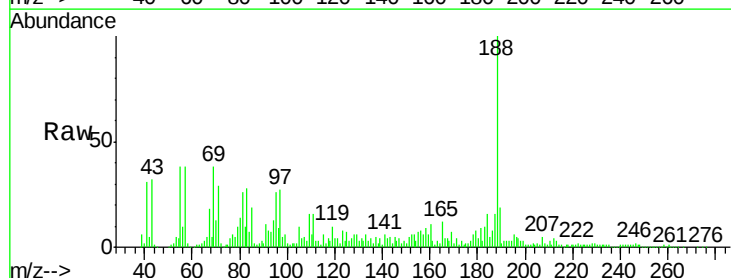
Instrument :
BNA_F
ClientSampleId :
HY-SB442

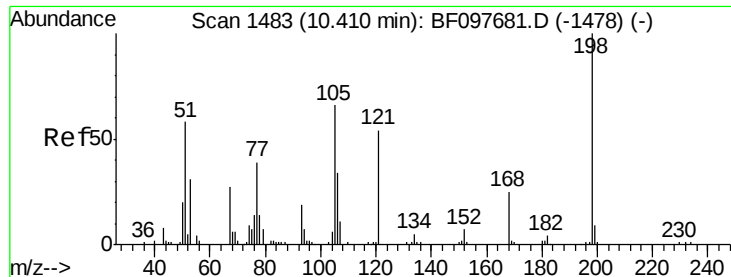
Tot Ion:138 Resp: 13020
Ion Ratio Lower Upper
138 100
92 56.8 21.8 61.8
108 60.8 42.3 82.3



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.31 min Scan# 1568
Delta R.T. 0.01 min
Lab File: BF097809.D
Acq: 18 Aug 2017 2:06

Tgt Ion:188 Resp: 219151
Ion Ratio Lower Upper
188 100
94 13.4 9.4 14.2
80 14.4 10.2 15.2





#64

4,6-Dinitro-2-methylphenol

Concen: 9.96 ng

RT: 10.39 min Scan# 1412

Delta R.T. -0.02 min

Lab File: BF097809.D

Acq: 18 Aug 2017 2:06

Instrument :

BNA_F

ClientSampleId :

HY-SB442

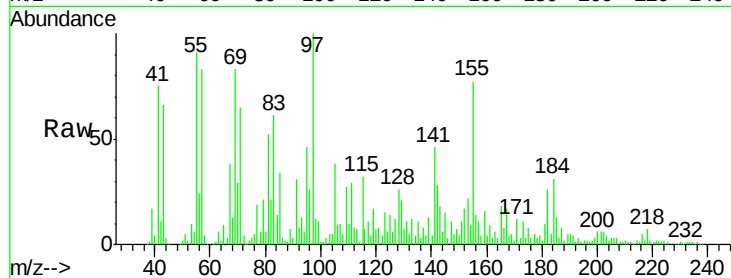
Tot Ion:198 Resp: 2051

Ion Ratio Lower Upper

198 100

51 300.5 53.2 93.2#

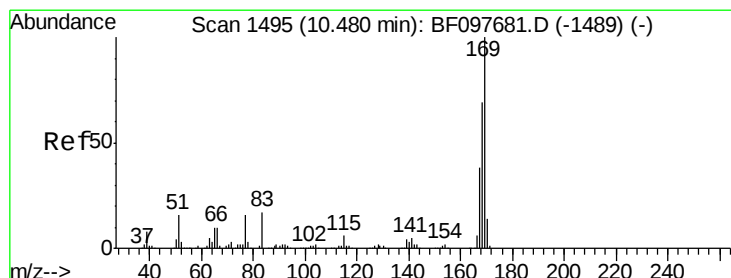
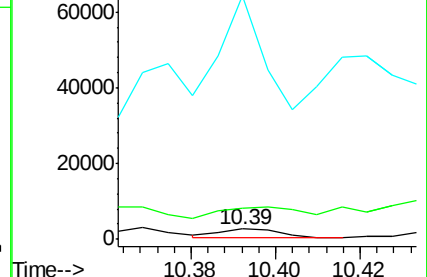
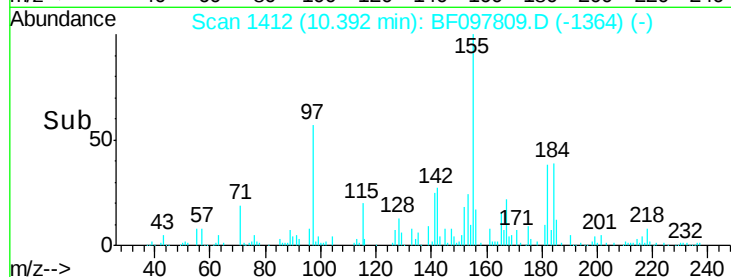
105 2320.6 45.8 85.8#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E



#65

n-Nitrosodiphenylamine

Concen: 23.27 ng

RT: 10.49 min Scan# 1428

Delta R.T. 0.01 min

Lab File: BF097809.D

Acq: 18 Aug 2017 2:06

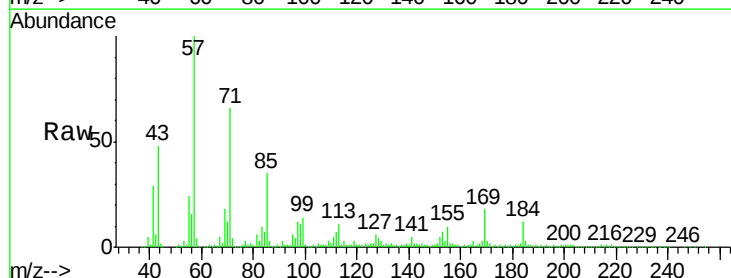
Tgt Ion:169 Resp: 173625

Ion Ratio Lower Upper

169 100

168 17.2 53.2 79.8#

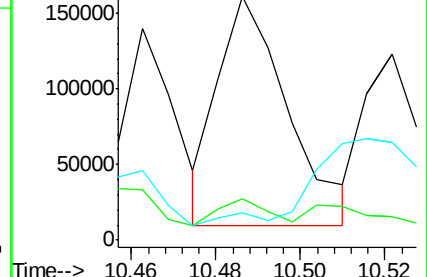
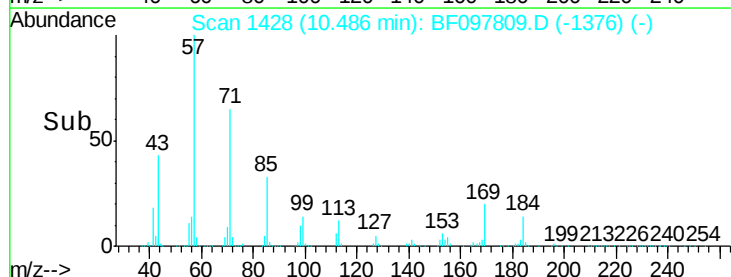
167 11.2 29.5 44.3#

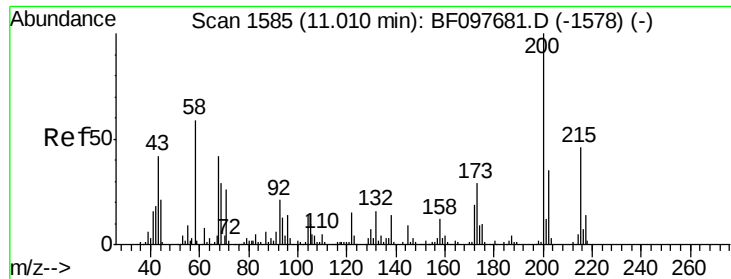


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





#68

Atrazine

Concen: 2.64 ng

RT: 11.01 min Scan# 1517

Delta R.T. 0.00 min

Lab File: BF097809.D

Acq: 18 Aug 2017 2:06

Instrument :

BNA_F

ClientSampleId :

HY-SB442

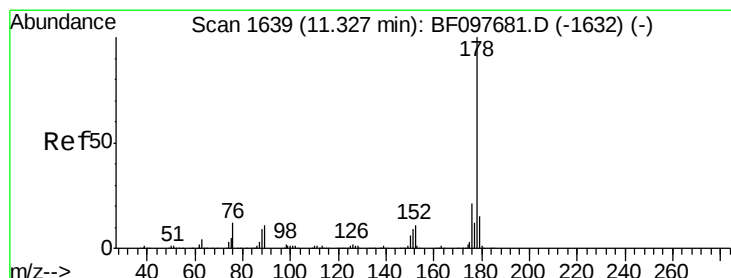
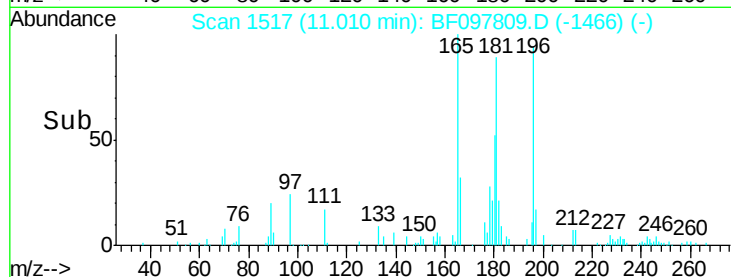
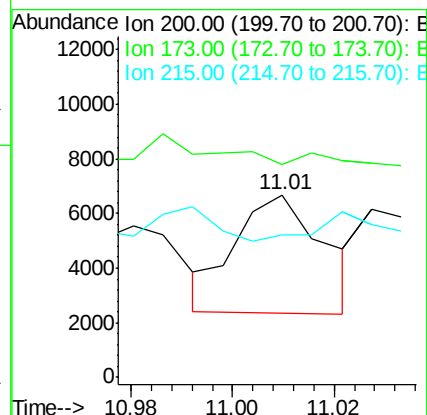
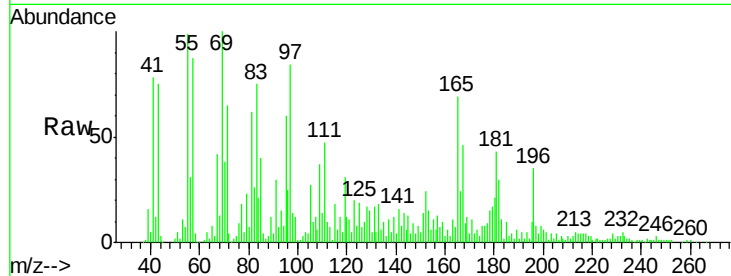
Tot Ion:200 Resp: 5231

Ion Ratio Lower Upper

200 100

173 117.0 6.3 46.3#

215 78.1 27.2 67.2#



#70

Phenanthrene

Concen: 13.39 ng

RT: 11.33 min Scan# 1572

Delta R.T. 0.01 min

Lab File: BF097809.D

Acq: 18 Aug 2017 2:06

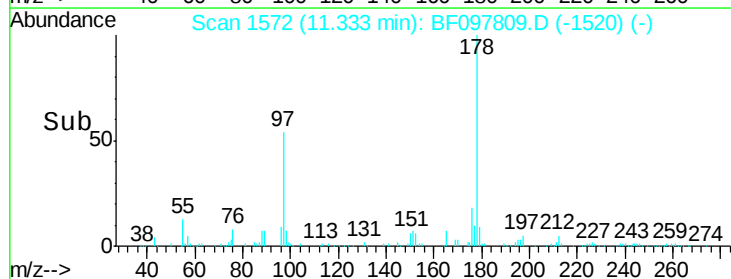
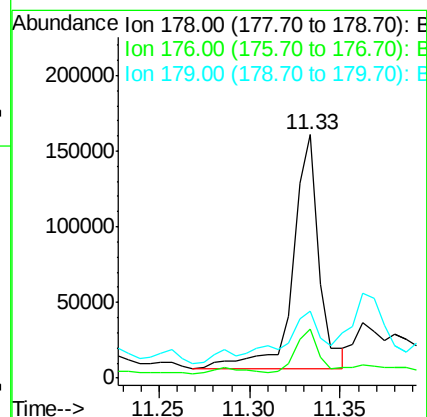
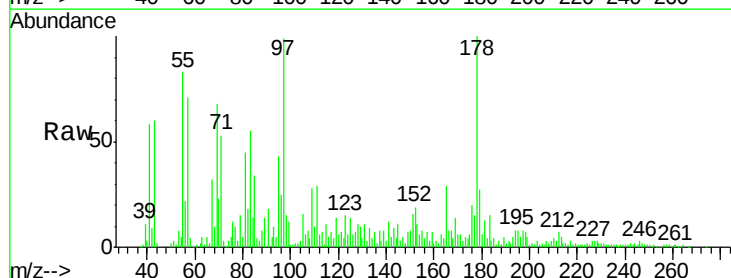
Tgt Ion:178 Resp: 156396

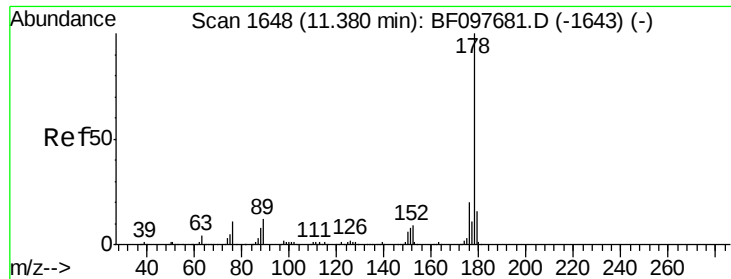
Ion Ratio Lower Upper

178 100

176 19.9 16.2 24.4

179 27.5 12.6 19.0#

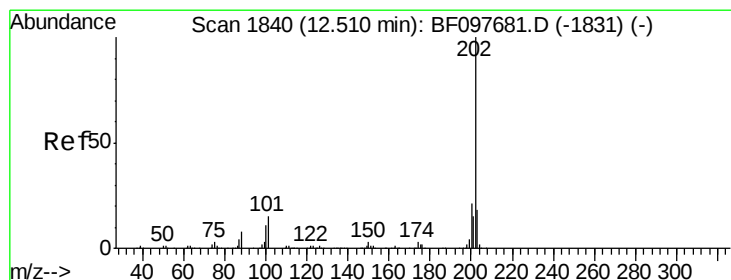
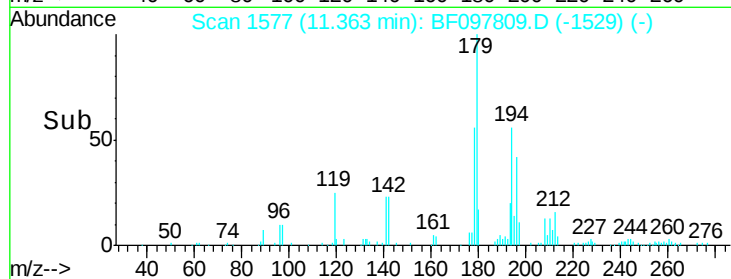
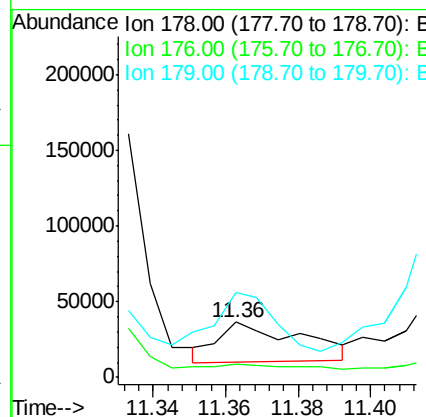
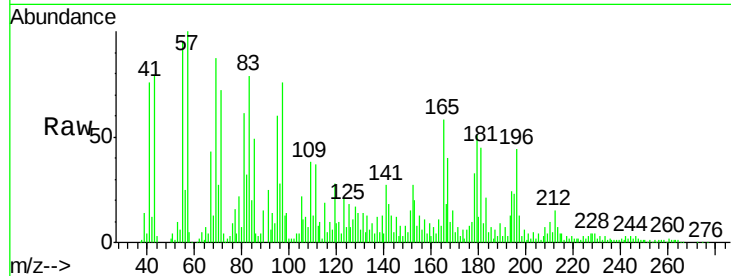




#71
 Anthracene
 Concen: 3.47 ng
 RT: 11.36 min Scan# 1577
 Delta R.T. -0.02 min
 Lab File: BF097809.D
 Acq: 18 Aug 2017 2:06

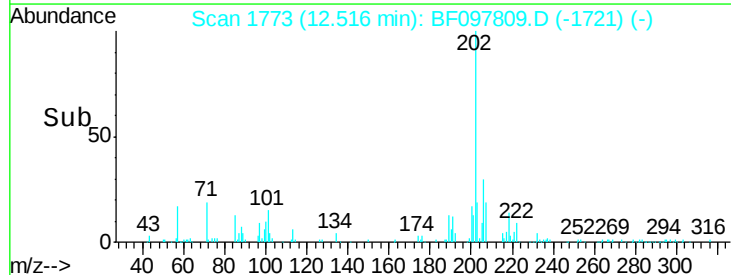
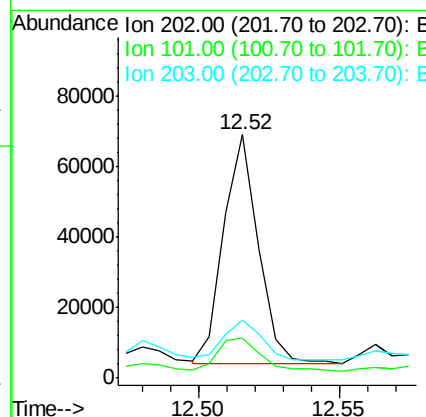
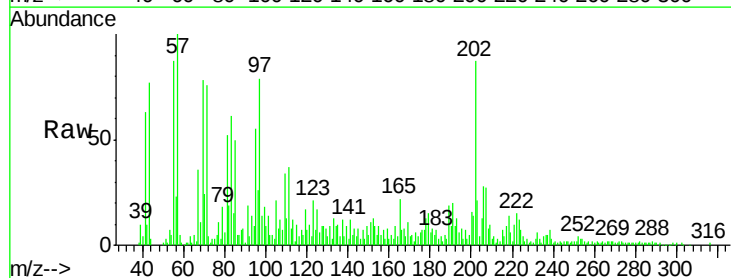
Instrument :
 BNA_F
 ClientSampleId :
 HY-SB442

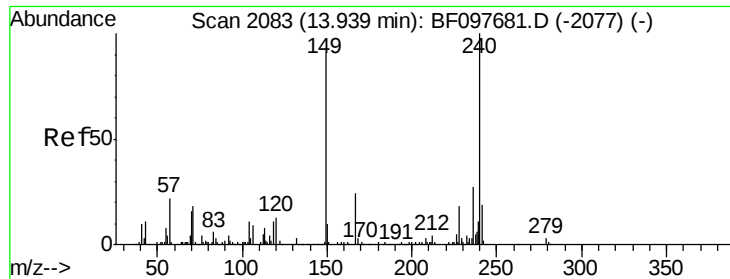
Tot Ion:178 Resp: 41045
 Ion Ratio Lower Upper
 178 100
 176 24.4 15.8 23.8#
 179 154.7 12.7 19.1#



#74
 Fluoranthene
 Concen: 4.59 ng
 RT: 12.52 min Scan# 1773
 Delta R.T. 0.01 min
 Lab File: BF097809.D
 Acq: 18 Aug 2017 2:06

Tgt Ion:202 Resp: 55904
 Ion Ratio Lower Upper
 202 100
 101 16.5 0.0 33.2
 203 23.7 0.0 38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.93 min Scan# 2014

Delta R.T. -0.01 min

Lab File: BF097809.D

Acq: 18 Aug 2017 2:06

Instrument :

BNA_F

ClientSampleId :

HY-SB442

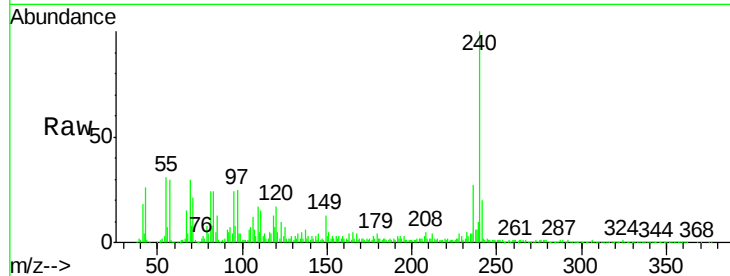
Tot Ion:240 Resp: 235367

Ion Ratio Lower Upper

240 100

120 17.4 5.8 8.8#

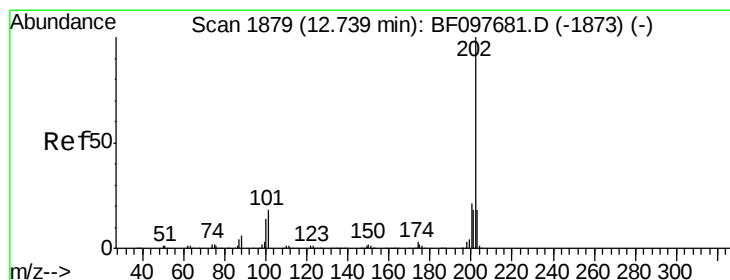
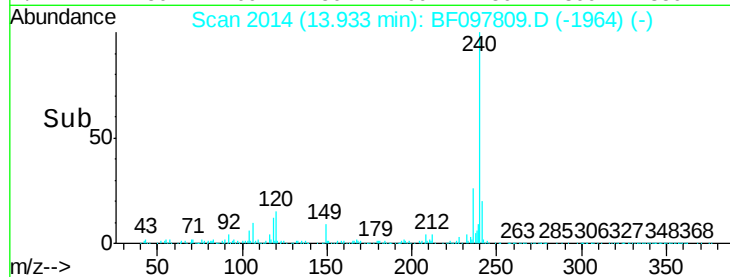
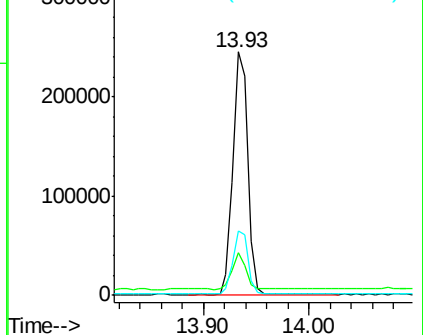
236 26.5 20.5 30.7



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: 8.03 ng

RT: 12.74 min Scan# 1811

Delta R.T. 0.00 min

Lab File: BF097809.D

Acq: 18 Aug 2017 2:06

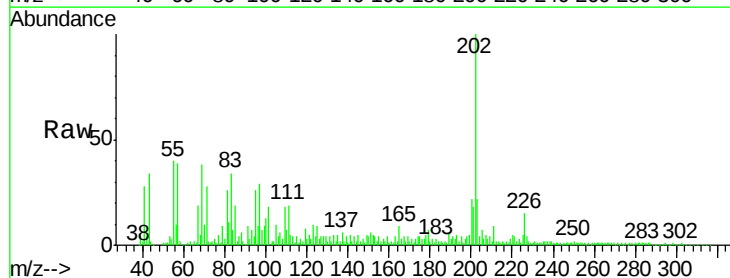
Tgt Ion:202 Resp: 154529

Ion Ratio Lower Upper

202 100

200 21.5 17.6 26.4

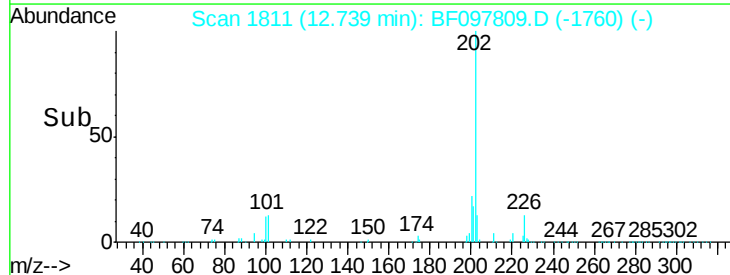
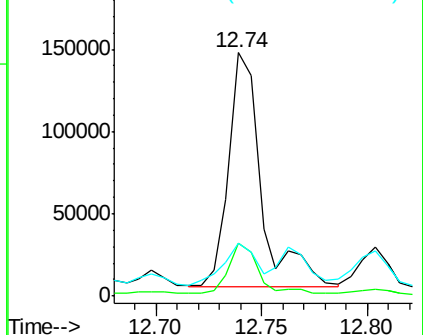
203 21.5 14.4 21.6

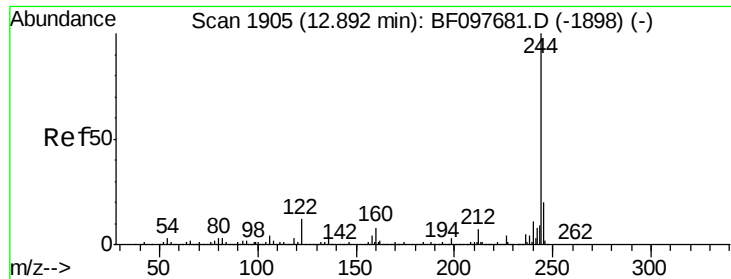


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 32.88 ng

RT: 12.89 min Scan# 1836

Delta R.T. -0.01 min

Lab File: BF097809.D

Acq: 18 Aug 2017 2:06

Instrument :

BNA_F

ClientSampleId :

HY-SB442

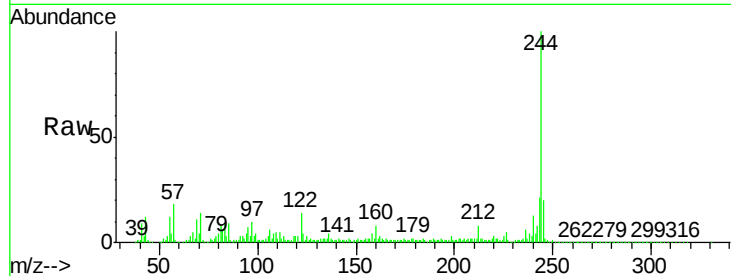
Tot Ion:244 Resp: 371113

Ion Ratio Lower Upper

244 100

212 7.7 6.0 9.0

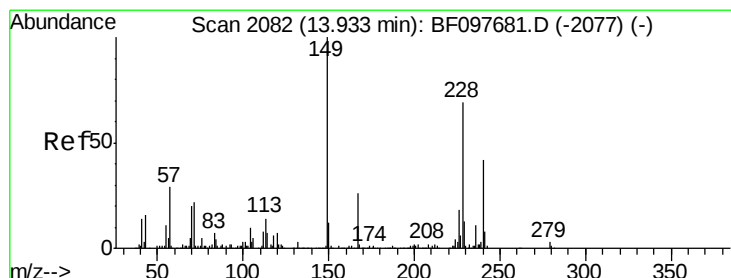
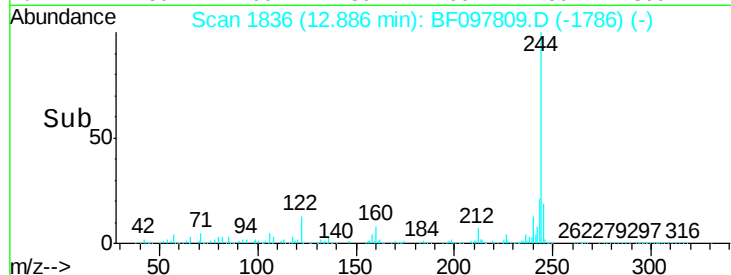
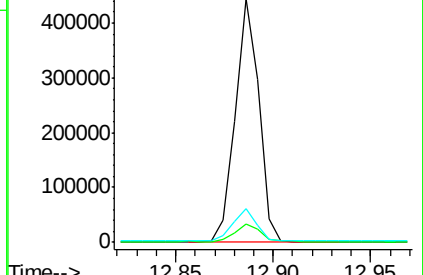
122 14.0 10.3 15.5



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 4.07 ng

RT: 13.93 min Scan# 2013

Delta R.T. -0.01 min

Lab File: BF097809.D

Acq: 18 Aug 2017 2:06

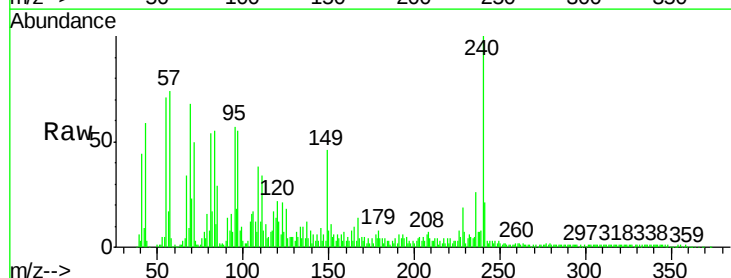
Tgt Ion:149 Resp: 33314

Ion Ratio Lower Upper

149 100

167 30.7 21.0 31.4

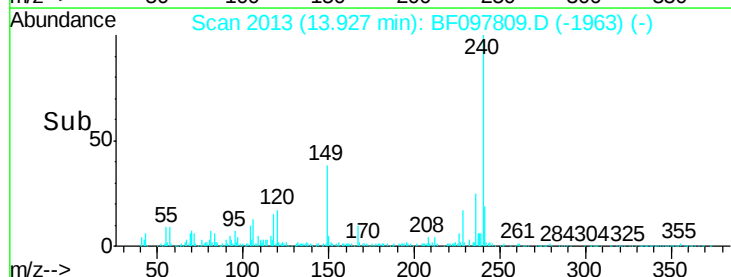
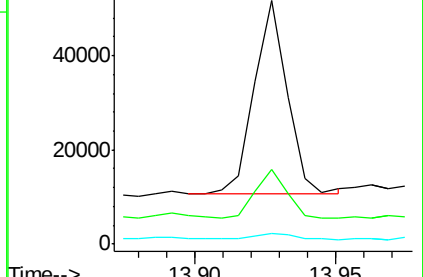
279 4.4 1.9 2.9#

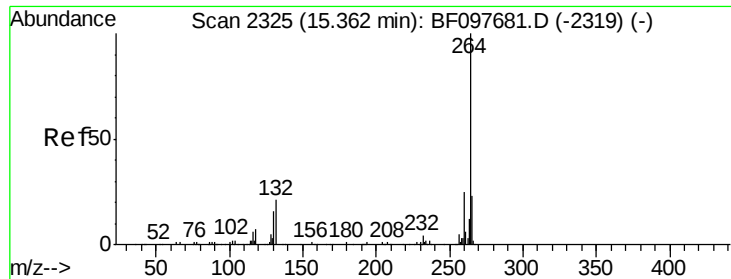


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

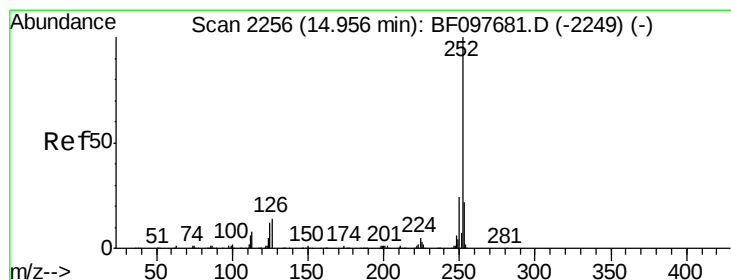
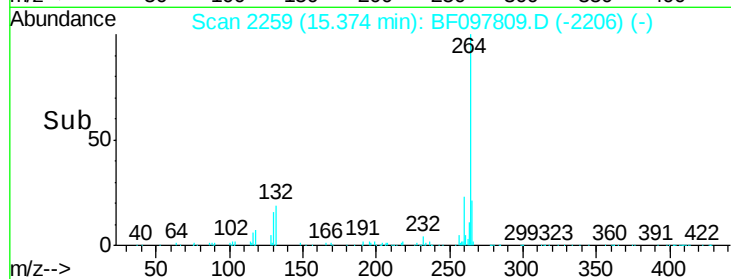
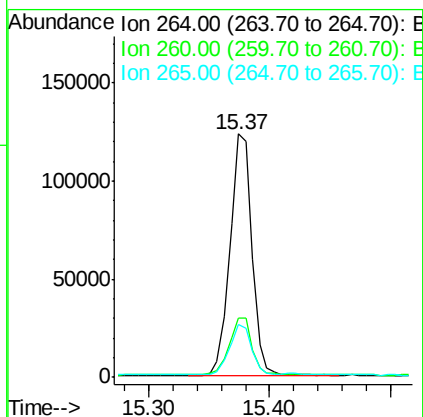
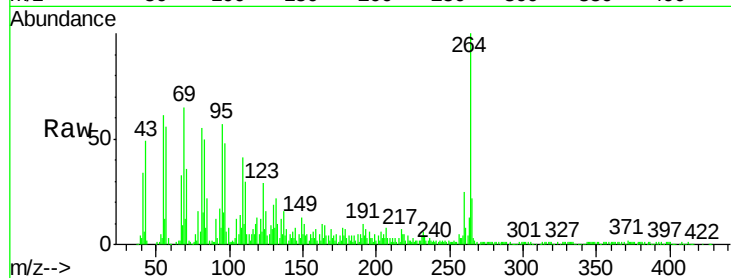




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.37 min Scan# 2259
Delta R.T. 0.01 min
Lab File: BF097809.D
Acq: 18 Aug 2017 2:06

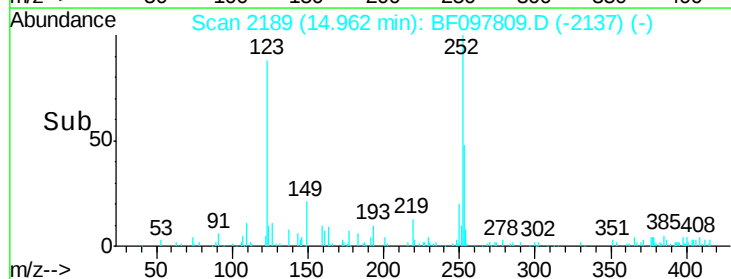
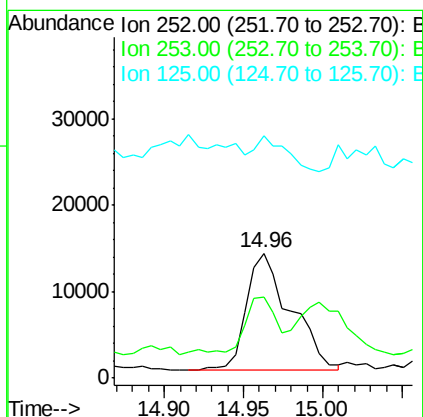
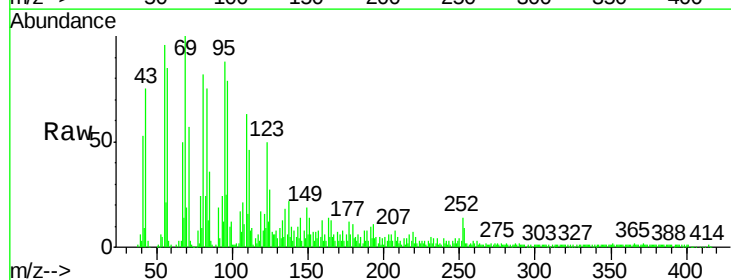
Instrument :
BNA_F
ClientSampleId :
HY-SB442

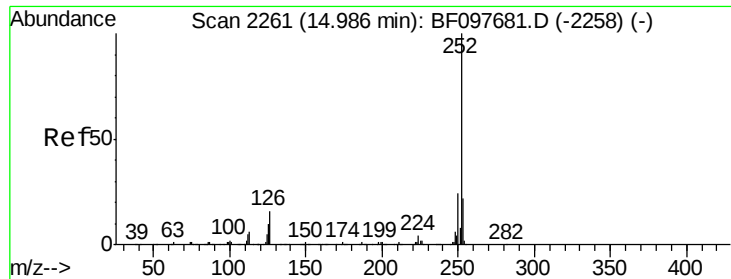
Tot Ion:264 Resp: 155966
Ion Ratio Lower Upper
264 100
260 24.5 19.5 29.3
265 21.6 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 2.68 ng
RT: 14.96 min Scan# 2189
Delta R.T. 0.01 min
Lab File: BF097809.D
Acq: 18 Aug 2017 2:06

Tgt Ion:252 Resp: 26363
Ion Ratio Lower Upper
252 100
253 65.2 18.1 27.1#
125 194.6 9.8 14.8#





#88

Benzo(k)fluoranthene

Concen: 2.85 ng

RT: 14.96 min Scan# 2189

Delta R.T. -0.02 min

Lab File: BF097809.D

Acq: 18 Aug 2017 2:06

Instrument :

BNA_F

ClientSampleId :

HY-SB442

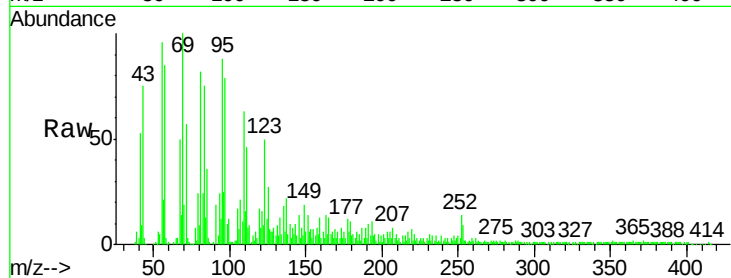
Tot Ion: 252 Resp: 26363

Ion Ratio Lower Upper

252 100

253 65.2 18.4 27.6#

125 194.6 13.1 19.7#



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

