

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050615\
 Data File : BF078955.D
 Acq On : 6 May 2015 12:46
 Operator : TP/IZ
 Sample : G2114-02
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GRID-1(6-12)

Quant Time: May 07 01:07:04 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 07 00:45:56 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.35	152	68275	20.00	ng	0.00
21) Naphthalene-d8	8.92	136	283795	20.00	ng	0.00
38) Acenaphthene-d10	11.10	164	135662	20.00	ng	0.00
63) Phenanthrene-d10	12.95	188	266052	20.00	ng	0.00
75) Chrysene-d12	16.25	240	277140	20.00	ng	-0.06
86) Perylene-d12	18.02	264	324211	20.00	ng	-0.21

System Monitoring Compounds

5) 2-Fluorophenol	5.64	112	369747	93.22	ng	0.01
7) Phenol-d6	6.89	99	493043	94.04	ng	0.00
23) Nitrobenzene-d5	8.03	82	276420	55.98	ng	0.00
41) 2,4,6-Tribromophenol	12.08	330	136651	93.11	ng	0.00
44) 2-Fluorobiphenyl	10.27	172	555094	57.01	ng	0.00
78) Terphenyl-d14	0.00	244	0	0.00	ng	

Target Compounds

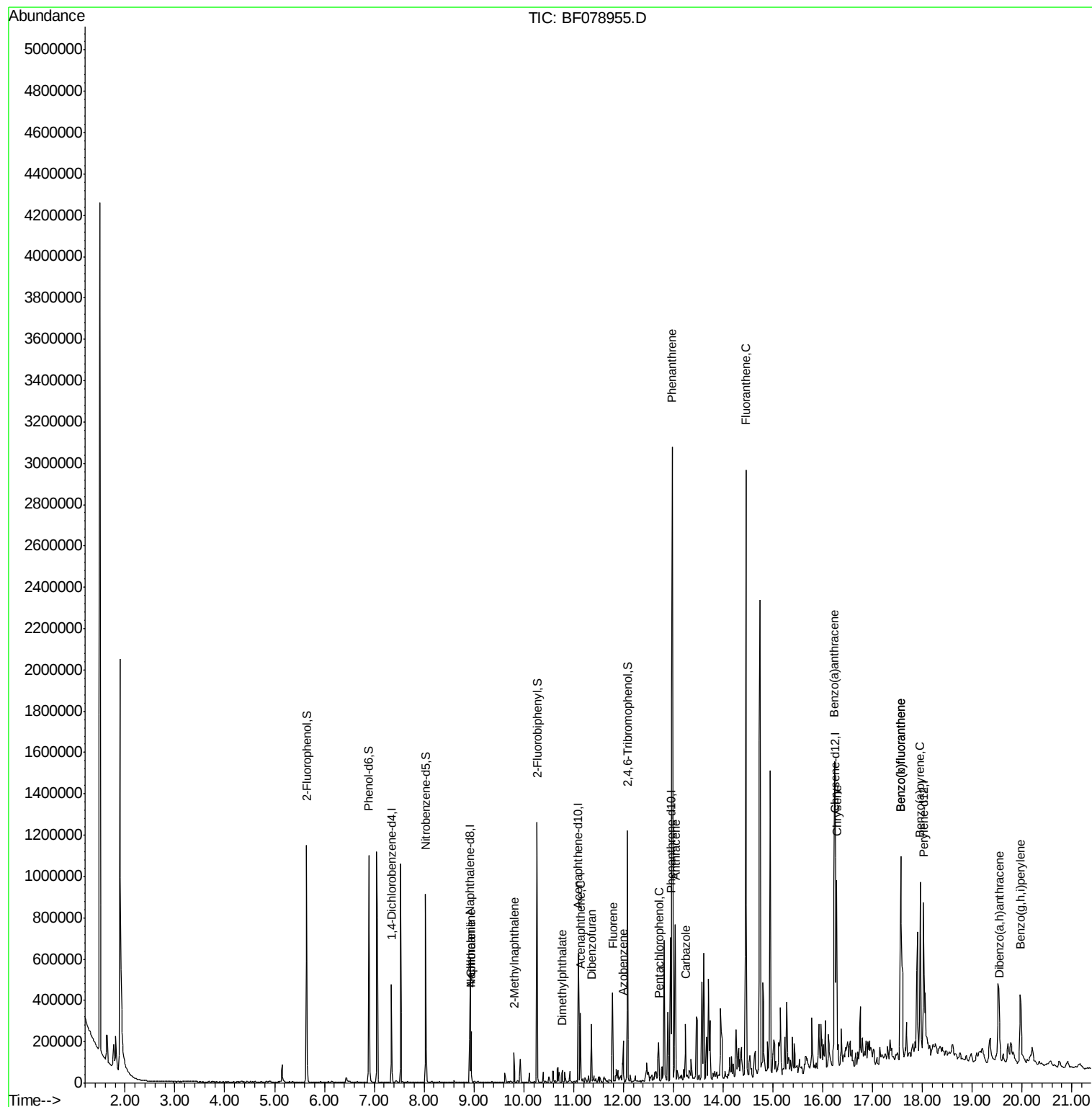
						Qvalue
31) Naphthalene	8.95	128	103555	7.66	ng	98
33) 4-Chloroaniline	8.95	127	12234	2.14	ng	# 32
37) 2-Methylnaphthalene	9.80	142	41983	4.48	ng	96
49) Dimethylphthalate	10.78	163	33001	3.31	ng	98
51) Acenaphthene	11.14	154	81597	9.91	ng	99
54) Dibenzofuran	11.36	168	133962	11.26	ng	94
57) Fluorene	11.78	166	124308	12.73	ng	100
62) Azobenzene	12.00	77	36735	3.78	ng	# 1
69) Pentachlorophenol	12.71	266	292	6.99	ng	# 18
70) Phenanthrene	12.98	178	1422254	95.56	ng	99
71) Anthracene	13.04	178	292952	20.06	ng	98
72) Carbazole	13.25	167	116968	8.40	ng	98
74) Fluoranthene	14.46	202	1271112	81.96	ng	100
80) Benzo(a)anthracene	16.24	228	652926	43.02	ng	99
82) Chrysene	16.29	228	450919	30.89	ng	97
87) Benzo(b)fluoranthene	17.57	252	566682	31.93	ng	98
88) Benzo(k)fluoranthene	17.57	252	822001	47.85	ng	98
89) Benzo(a)pyrene	17.95	252	439829	26.92	ng	# 92
90) Dibenzo(a,h)anthracene	19.54	278	73425	4.23	ng	# 90
91) Benzo(g,h,i)perylene	19.97	276	279811	16.08	ng	97

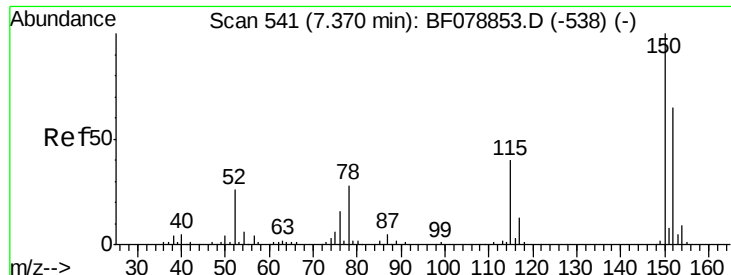
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.35 min Scan# 539

Delta R.T. 0.00 min

Lab File: BF078955.D

Acq: 6 May 2015 12:46

Instrument :

BNA_F

ClientSampleId :

GRID-1(6-12)

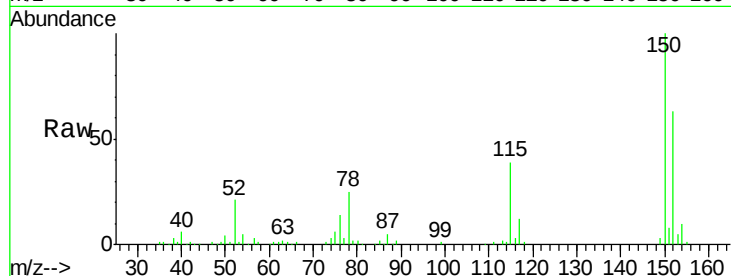
Tgt Ion:152 Resp: 68275

Ion Ratio Lower Upper

152 100

150 159.7 122.0 183.0

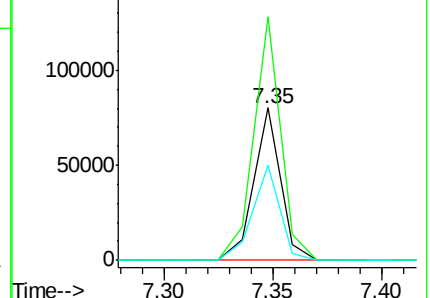
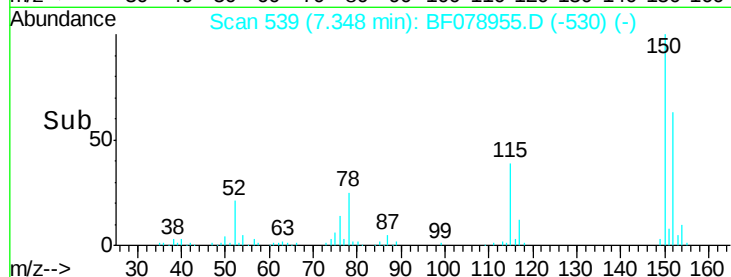
115 62.3 46.3 69.5



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: 93.22 ng

RT: 5.64 min Scan# 390

Delta R.T. 0.01 min

Lab File: BF078955.D

Acq: 6 May 2015 12:46

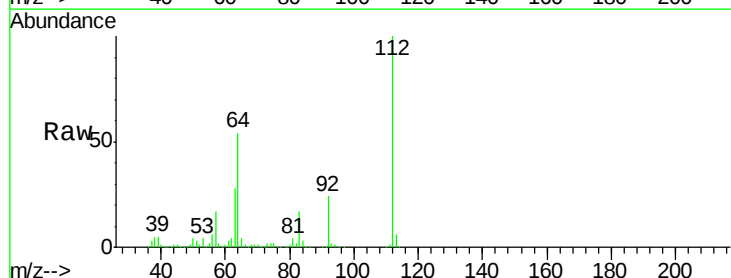
Tgt Ion:112 Resp: 369747

Ion Ratio Lower Upper

112 100

64 54.3 53.5 80.3

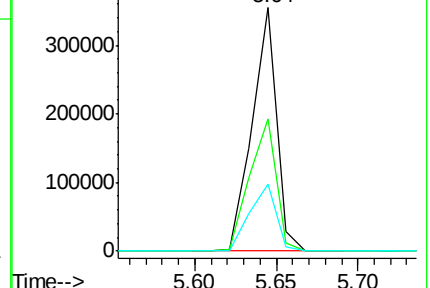
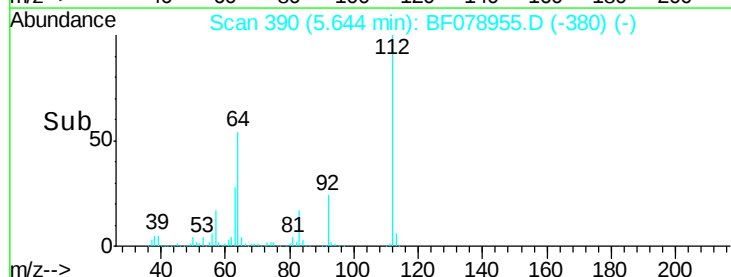
63 27.6 27.5 41.3



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 94.04 ng

RT: 6.89 min Scan# 499

Delta R.T. 0.00 min

Lab File: BF078955.D

Acq: 6 May 2015 12:46

Instrument :

BNA_F

ClientSampleId :

GRID-1(6-12)

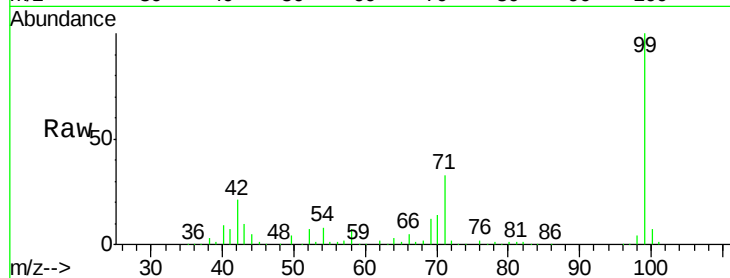
Tgt Ion: 99 Resp: 493043

Ion Ratio Lower Upper

99 100

42 20.5 12.8 19.2#

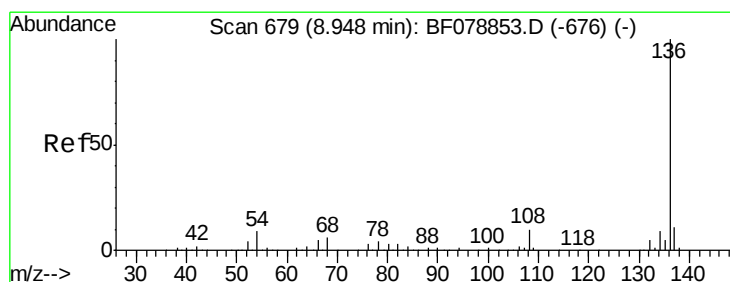
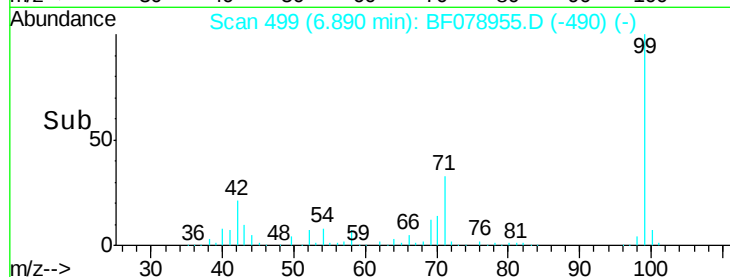
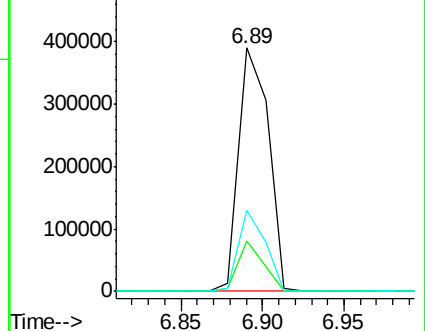
71 33.1 23.4 35.2



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.92 min Scan# 677

Delta R.T. 0.00 min

Lab File: BF078955.D

Acq: 6 May 2015 12:46

Tgt Ion: 136 Resp: 283795

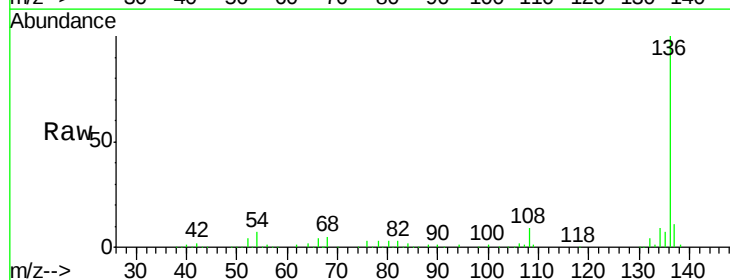
Ion Ratio Lower Upper

136 100

137 10.6 8.7 13.1

54 7.1 5.8 8.8

68 5.1 4.2 6.4

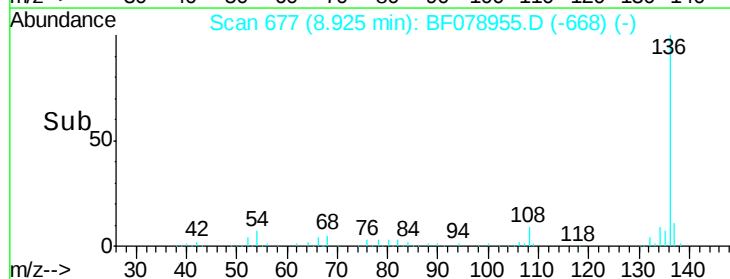
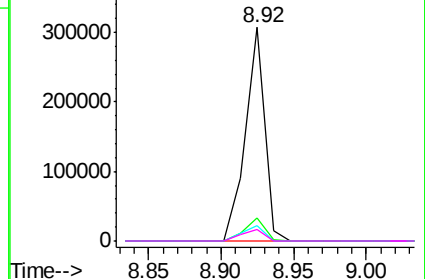


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

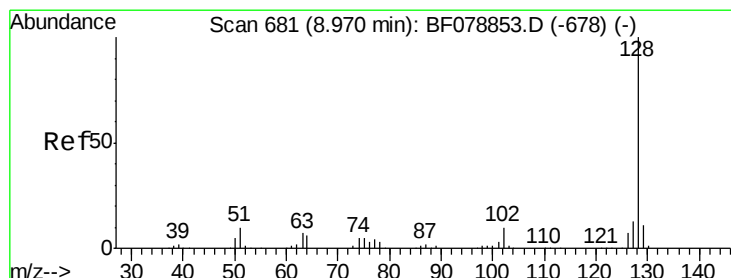
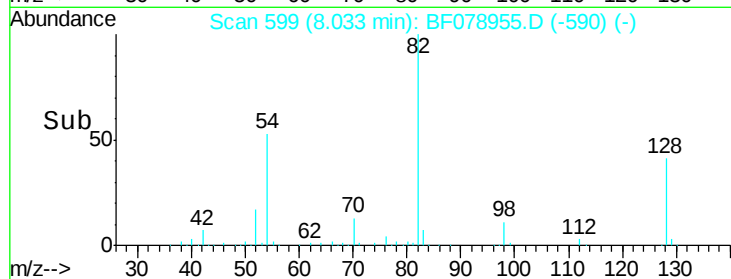
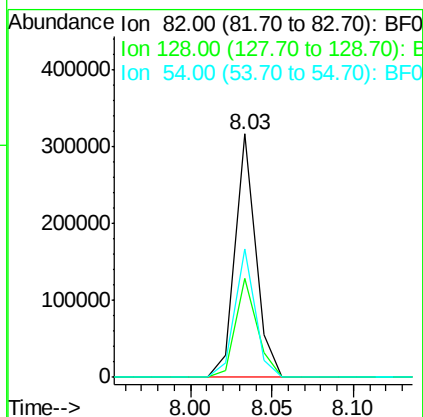
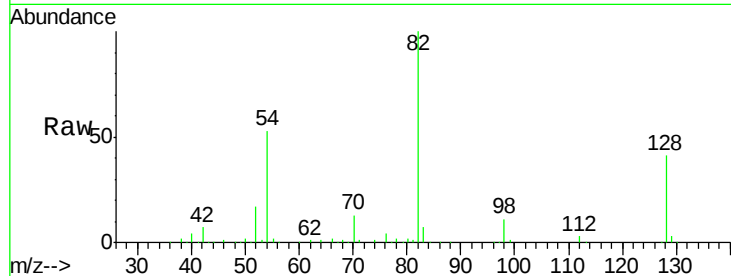




#23
 Nitrobenzene-d5
 Concen: 55.98 ng
 RT: 8.03 min Scan# 599
 Delta R.T. 0.00 min
 Lab File: BF078955.D
 Acq: 6 May 2015 12:46

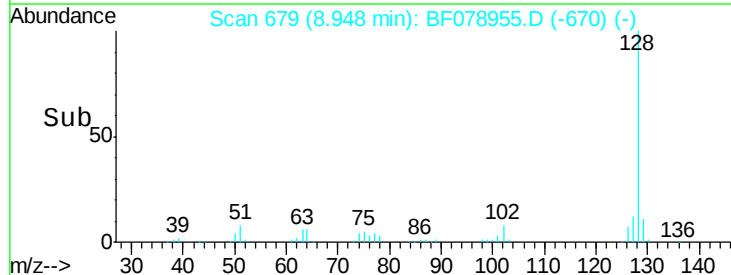
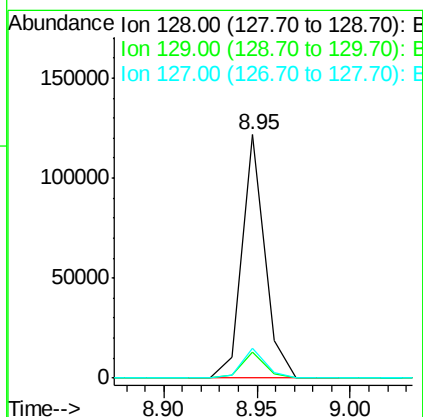
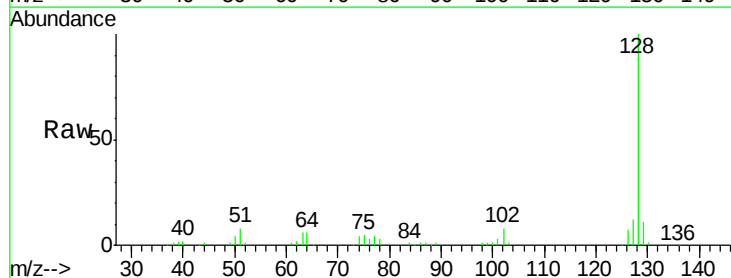
Instrument :
 BNA_F
 ClientSampleId :
 GRID-1(6-12)

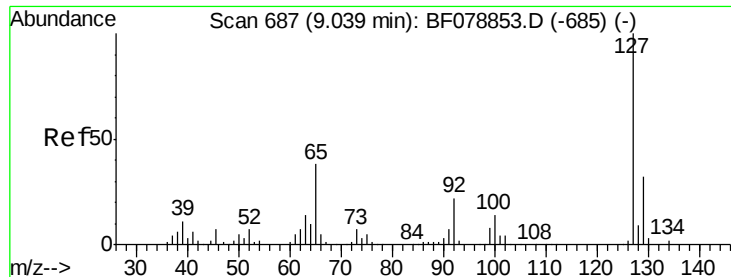
Tgt Ion: 82 Resp: 276420
 Ion Ratio Lower Upper
 82 100
 128 40.5 30.0 45.0
 54 52.9 46.4 69.6



#31
 Naphthalene
 Concen: 7.66 ng
 RT: 8.95 min Scan# 679
 Delta R.T. 0.00 min
 Lab File: BF078955.D
 Acq: 6 May 2015 12:46

Tgt Ion: 128 Resp: 103555
 Ion Ratio Lower Upper
 128 100
 129 10.8 9.3 13.9
 127 12.4 10.7 16.1

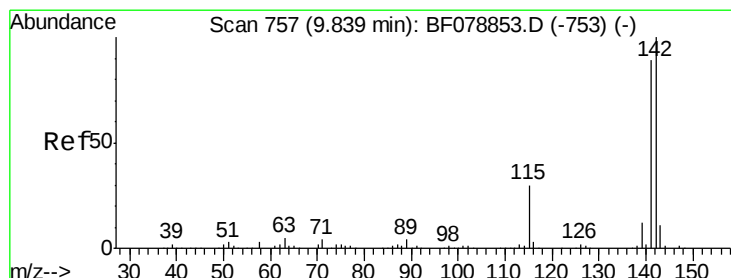
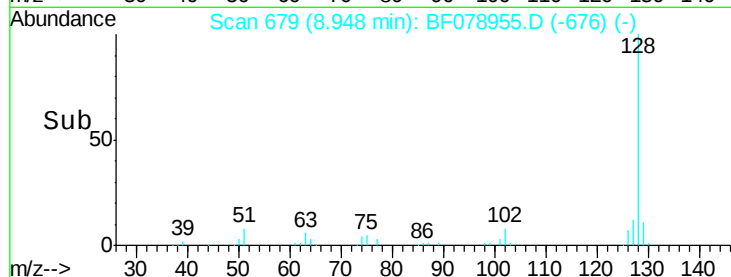
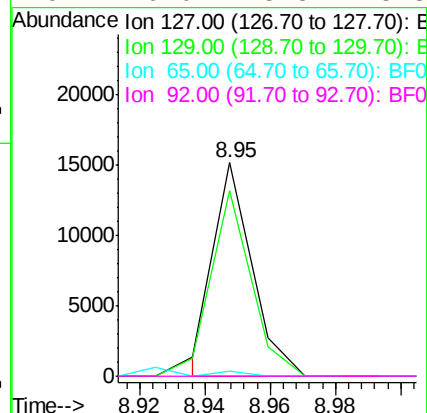
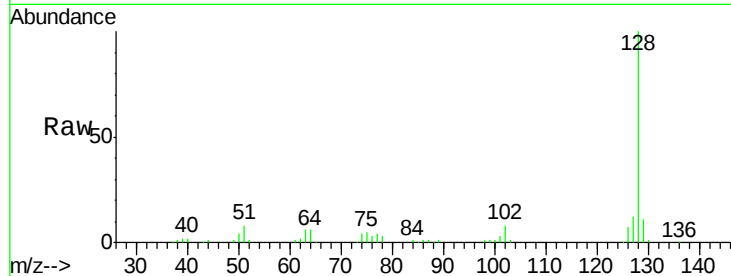




#33
4-Chloroaniline
Concen: 2.14 ng
RT: 8.95 min Scan# 679
Delta R.T. -0.07 min
Lab File: BF078955.D
Acq: 6 May 2015 12:46

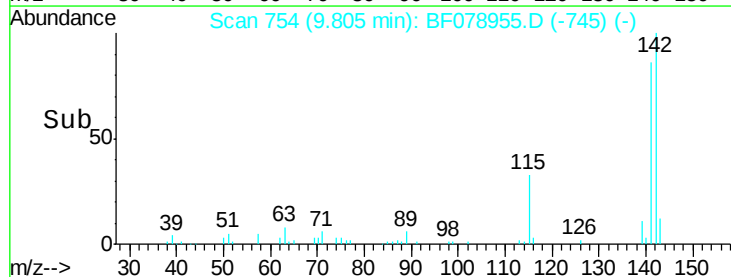
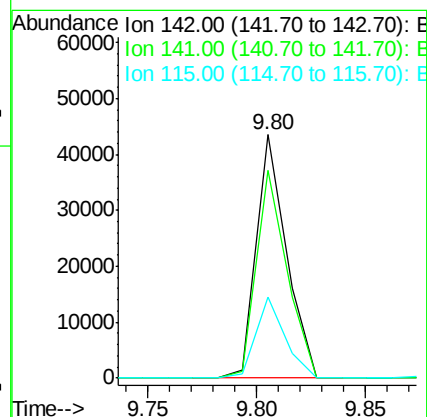
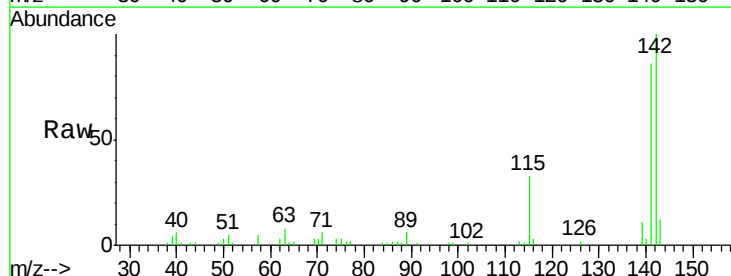
Instrument :
BNA_F
ClientSampleId :
GRID-1(6-12)

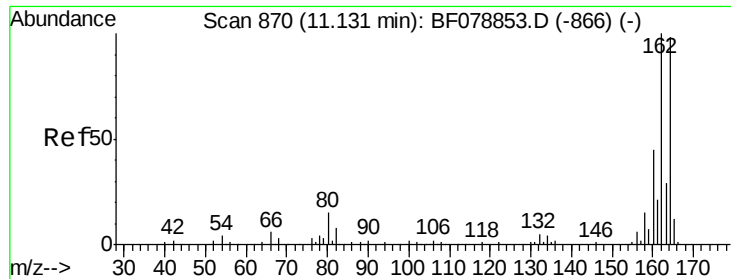
Tgt Ion:	127	Resp:	12234
Ion	Ratio	Lower	Upper
127	100		
129	87.1	25.8	38.8#
65	2.6	25.8	38.6#
92	0.0	15.5	23.3#



#37
2-Methylnaphthalene
Concen: 4.48 ng
RT: 9.80 min Scan# 754
Delta R.T. 0.00 min
Lab File: BF078955.D
Acq: 6 May 2015 12:46

Tgt Ion:	142	Resp:	41983
Ion	Ratio	Lower	Upper
142	100		
141	85.5	70.9	106.3
115	33.1	28.5	42.7

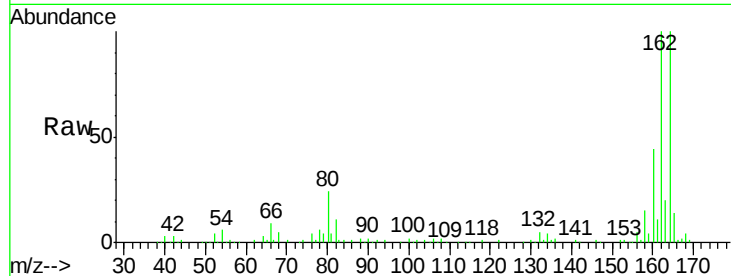




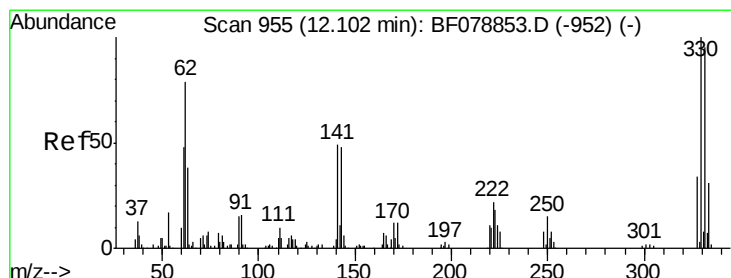
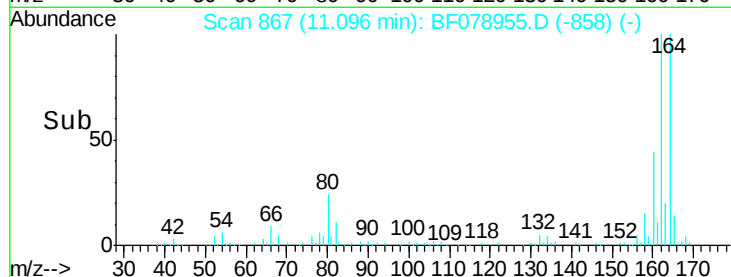
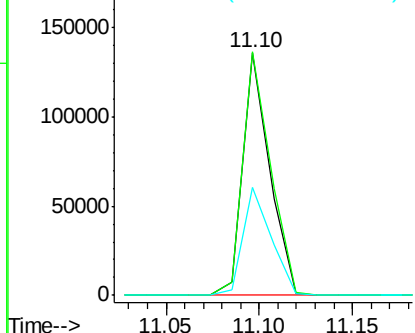
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 11.10 min Scan# 867
 Delta R.T. 0.00 min
 Lab File: BF078955.D
 Acq: 6 May 2015 12:46

Instrument :
 BNA_F
 ClientSampleId :
 GRID-1(6-12)

Tgt Ion:164 Resp: 135662
 Ion Ratio Lower Upper
 164 100
 162 100.4 82.7 124.1
 160 44.5 35.8 53.8

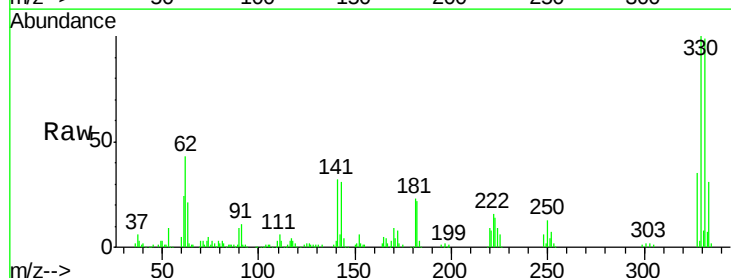


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

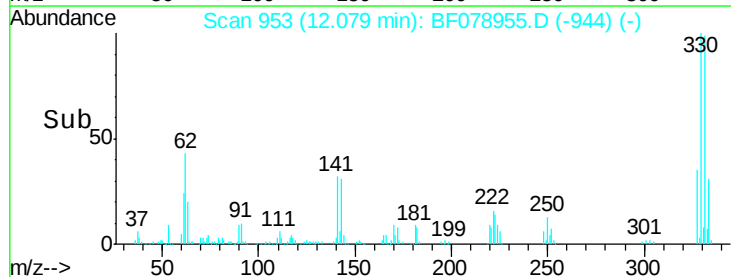
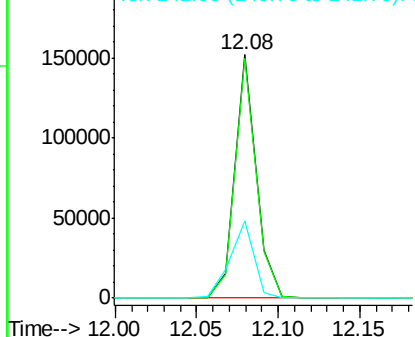


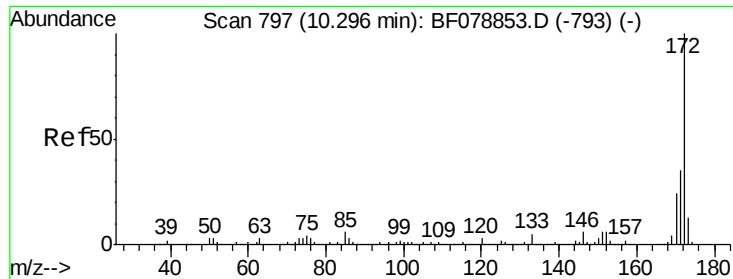
#41
 2,4,6-Tribromophenol
 Concen: 93.11 ng
 RT: 12.08 min Scan# 953
 Delta R.T. 0.00 min
 Lab File: BF078955.D
 Acq: 6 May 2015 12:46

Tgt Ion:330 Resp: 136651
 Ion Ratio Lower Upper
 330 100
 332 97.7 0.0 0.0#
 141 35.7 0.0 0.0#



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

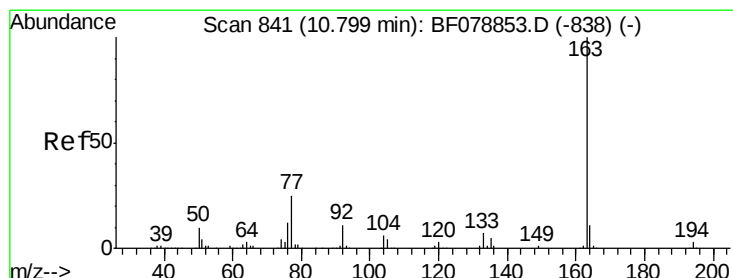
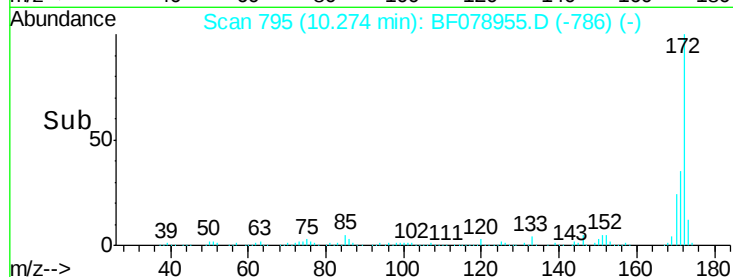
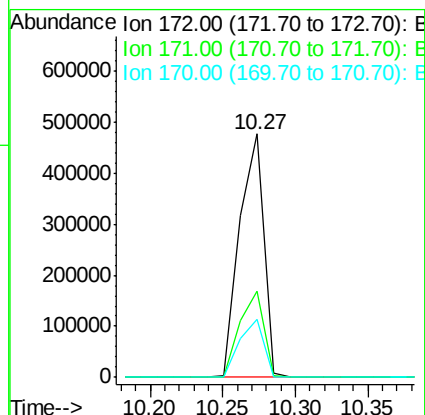
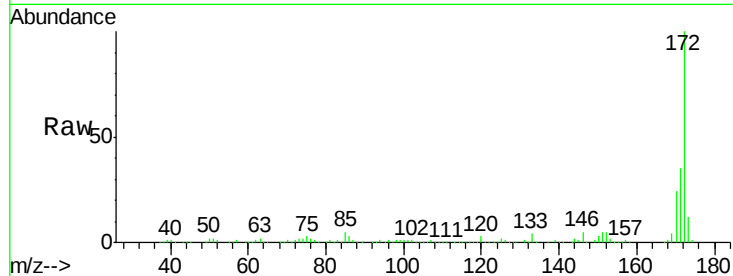




#44
2-Fluorobiphenyl
Concen: 57.01 ng
RT: 10.27 min Scan# 795
Delta R.T. 0.00 min
Lab File: BF078955.D
Acq: 6 May 2015 12:46

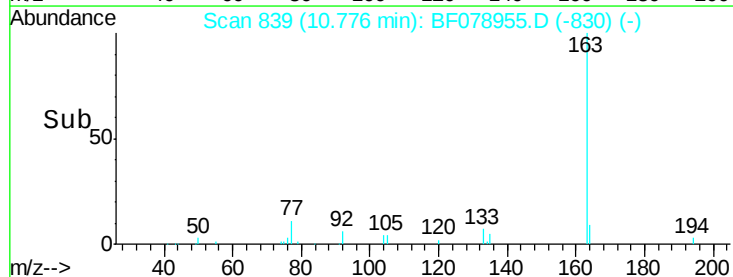
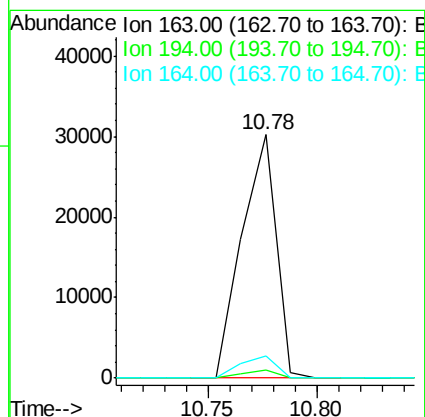
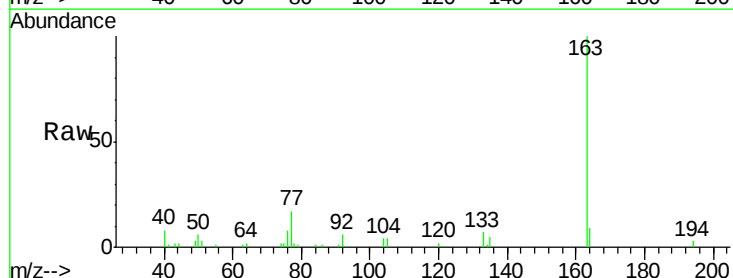
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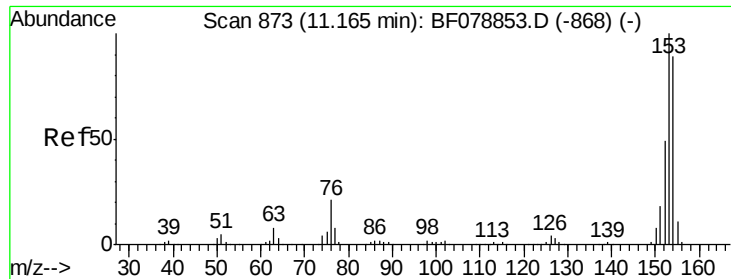
Tgt Ion:172 Resp: 555094
Ion Ratio Lower Upper
172 100
171 35.5 27.9 41.9
170 23.9 19.4 29.0



#49
Dimethylphthalate
Concen: 3.31 ng
RT: 10.78 min Scan# 839
Delta R.T. 0.00 min
Lab File: BF078955.D
Acq: 6 May 2015 12:46

Tgt Ion:163 Resp: 33001
Ion Ratio Lower Upper
163 100
194 3.5 2.6 4.0
164 9.3 8.1 12.1





#51

Acenaphthene

Concen: 9.91 ng

RT: 11.14 min Scan# 871

Delta R.T. 0.00 min

Lab File: BF078955.D

Acq: 6 May 2015 12:46

Instrument :

BNA_F

ClientSampleId :

GRID-1(6-12)

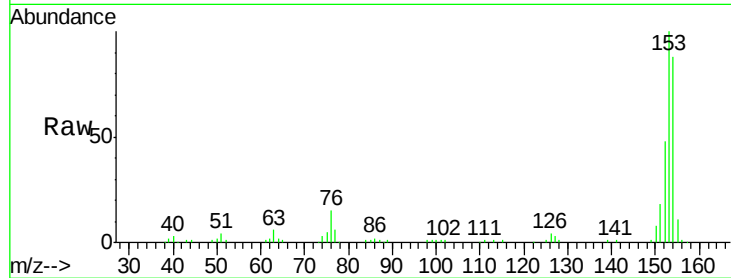
Tgt Ion:154 Resp: 81597

Ion Ratio Lower Upper

154 100

153 113.3 91.5 137.3

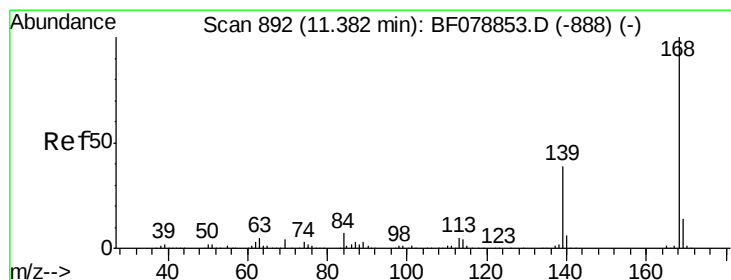
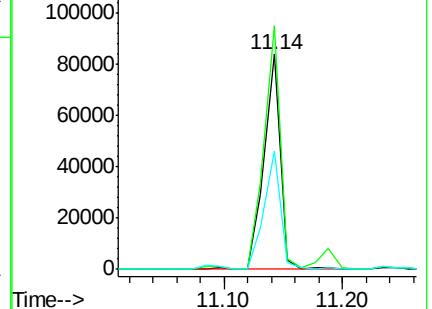
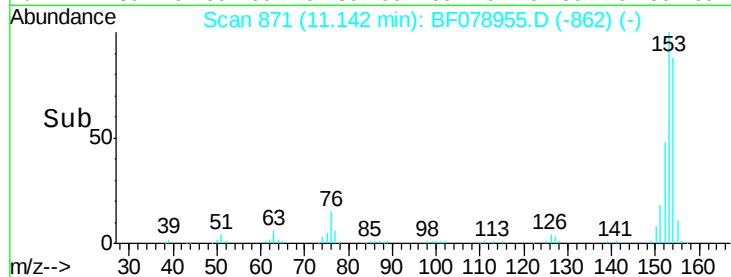
152 54.8 44.2 66.4



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#54

Dibenzofuran

Concen: 11.26 ng

RT: 11.36 min Scan# 890

Delta R.T. 0.00 min

Lab File: BF078955.D

Acq: 6 May 2015 12:46

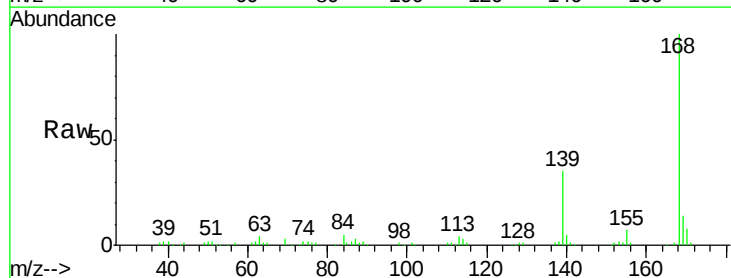
Tgt Ion:168 Resp: 133962

Ion Ratio Lower Upper

168 100

139 34.5 31.0 46.4

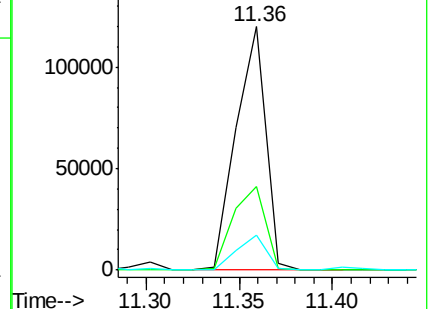
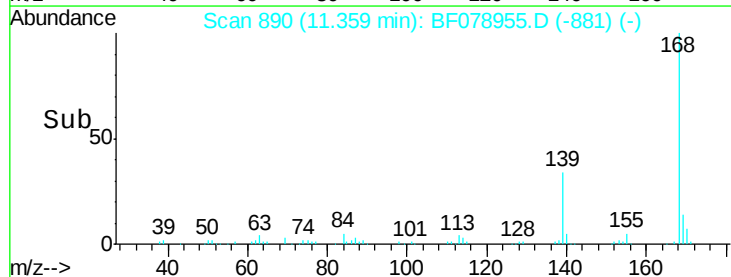
169 14.2 10.6 16.0

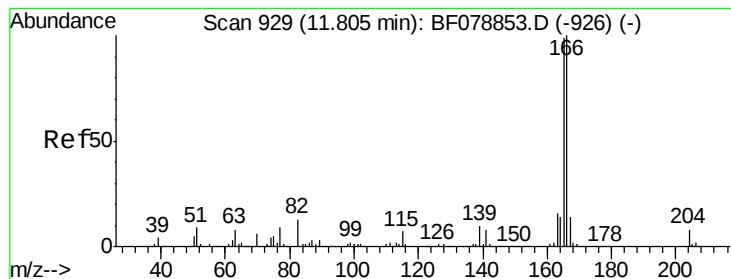


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#57

Fluorene

Concen: 12.73 ng

RT: 11.78 min Scan# 927

Delta R.T. 0.00 min

Lab File: BF078955.D

Acq: 6 May 2015 12:46

Instrument :

BNA_F

ClientSampleId :

GRID-1(6-12)

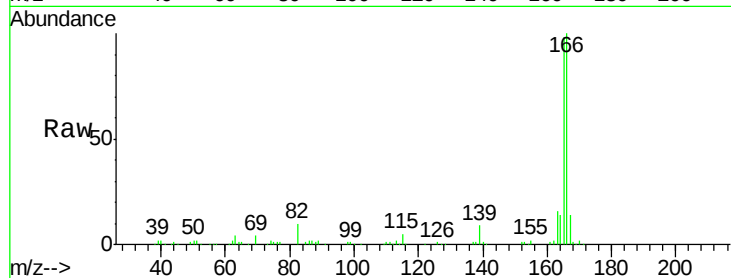
Tgt Ion:166 Resp: 124308

Ion Ratio Lower Upper

166 100

165 98.3 78.5 117.7

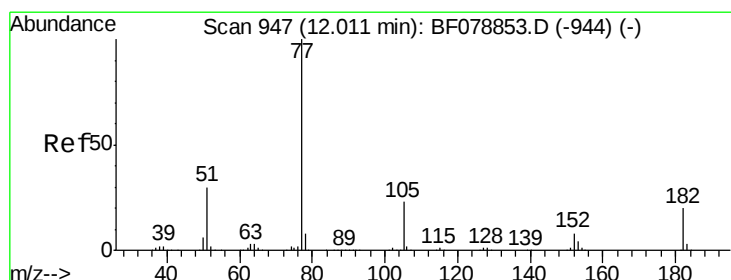
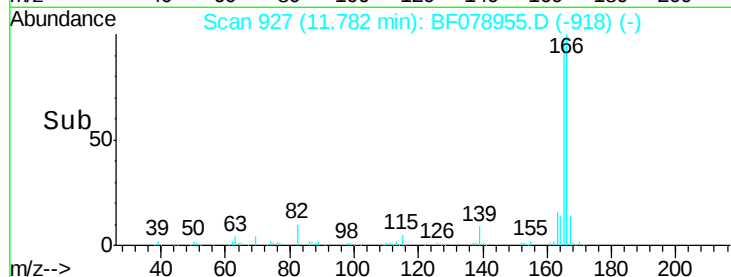
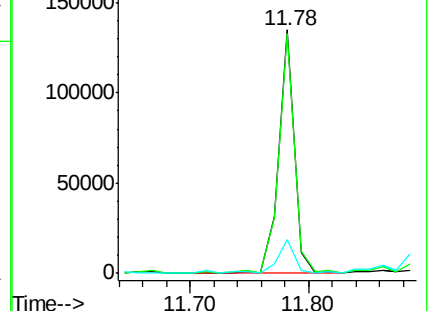
167 13.8 11.0 16.6



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#62

Azobenzene

Concen: 3.78 ng

RT: 12.00 min Scan# 946

Delta R.T. 0.01 min

Lab File: BF078955.D

Acq: 6 May 2015 12:46

Tgt Ion: 77 Resp: 36735

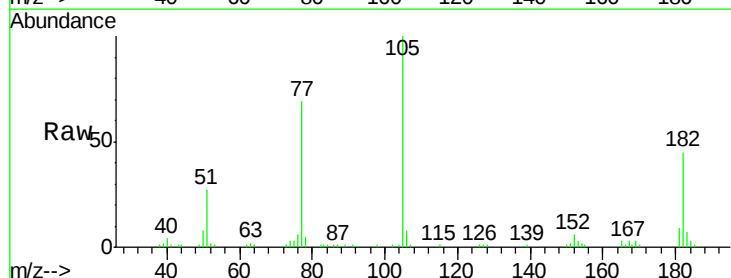
Ion Ratio Lower Upper

77 100

182 65.7 3.8 43.8#

105 145.8 3.9 43.9#

51 38.9 10.8 50.8

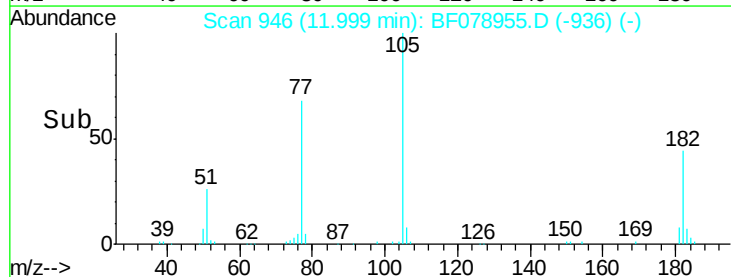
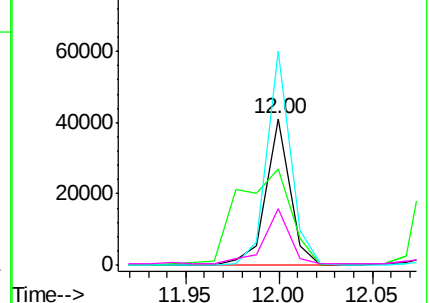


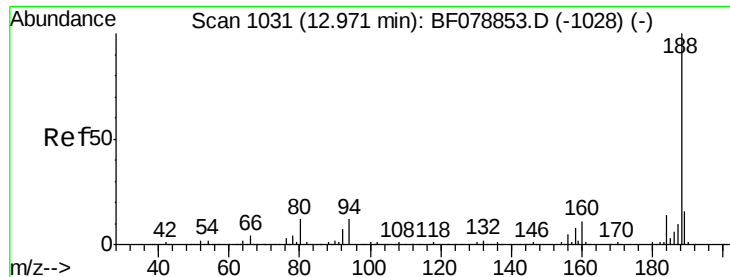
Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0

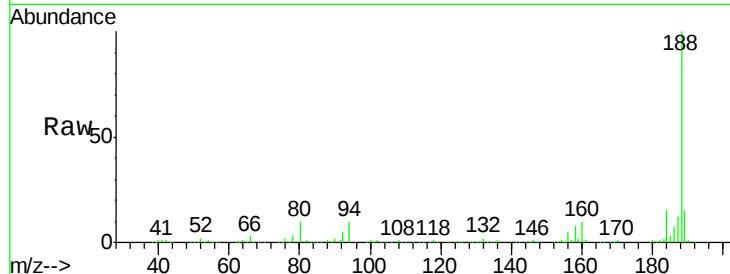




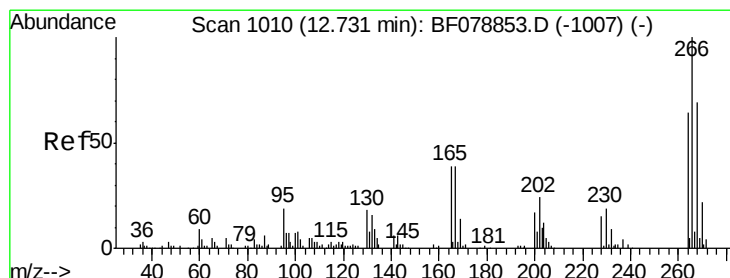
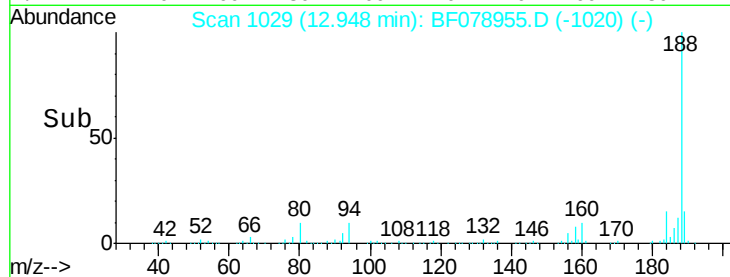
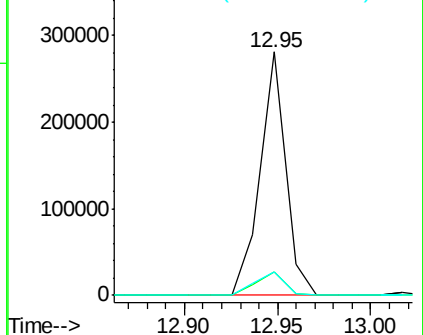
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.95 min Scan# 1029
Delta R.T. 0.00 min
Lab File: BF078955.D
Acq: 6 May 2015 12:46

Instrument :
BNA_F
ClientSampleId :
GRID-1(6-12)

Tgt Ion:188 Resp: 266052
Ion Ratio Lower Upper
188 100
94 9.6 8.2 12.2
80 9.7 8.9 13.3

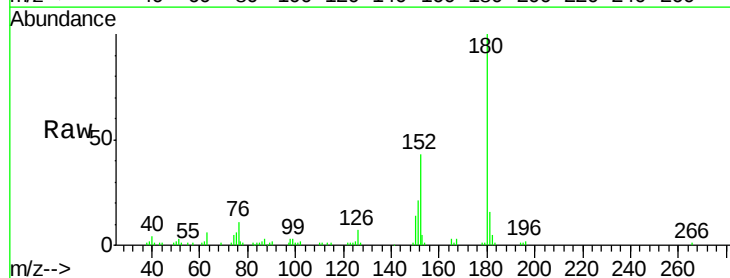


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

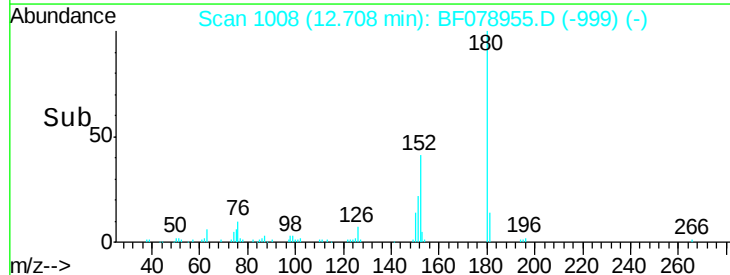
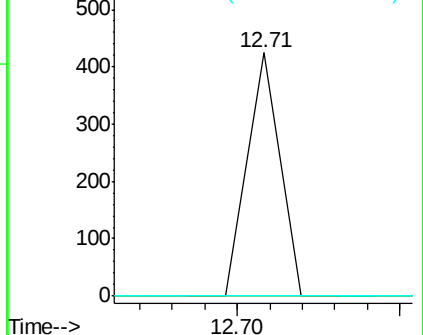


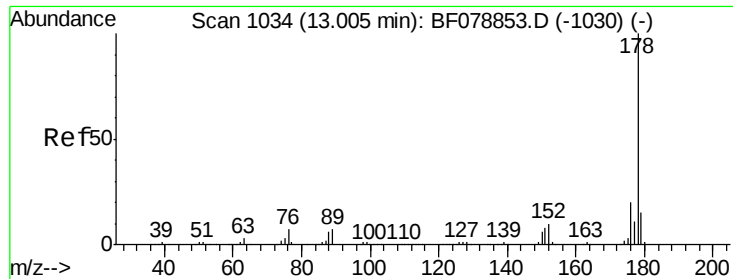
#69
Pentachlorophenol
Concen: 6.99 ng
RT: 12.71 min Scan# 1008
Delta R.T. 0.00 min
Lab File: BF078955.D
Acq: 6 May 2015 12:46

Tgt Ion:266 Resp: 292
Ion Ratio Lower Upper
266 100
268 0.0 55.0 82.6#
264 0.0 48.2 72.2#



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

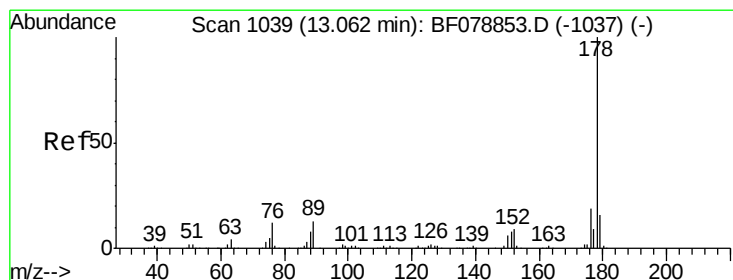
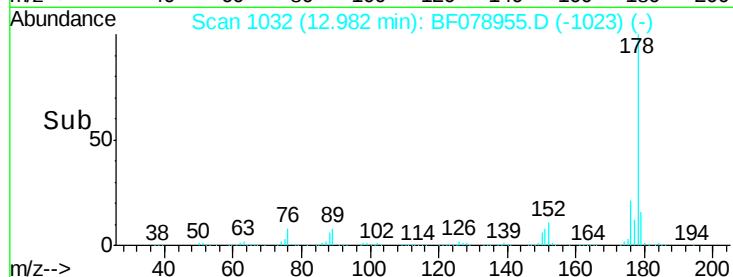
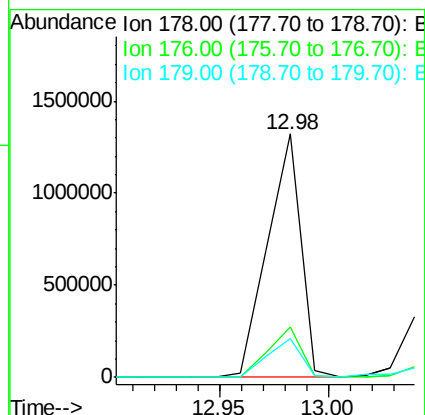
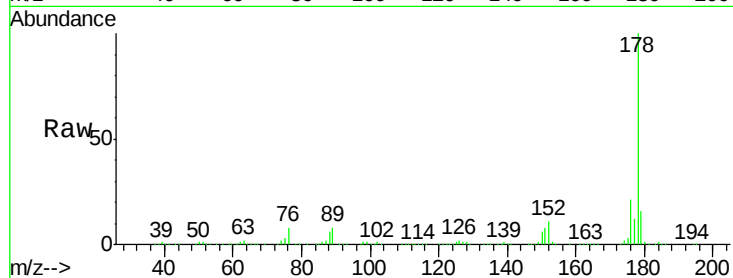




#70
Phenanthrene
Concen: 95.56 ng
RT: 12.98 min Scan# 1032
Delta R.T. 0.00 min
Lab File: BF078955.D
Acq: 6 May 2015 12:46

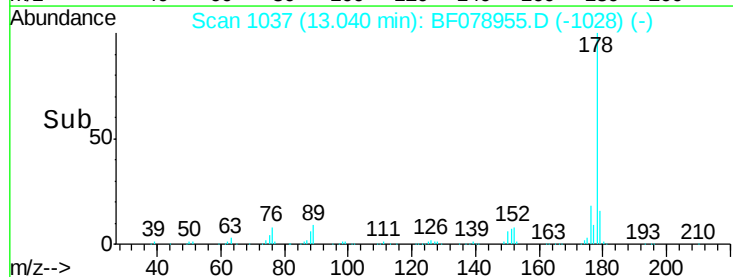
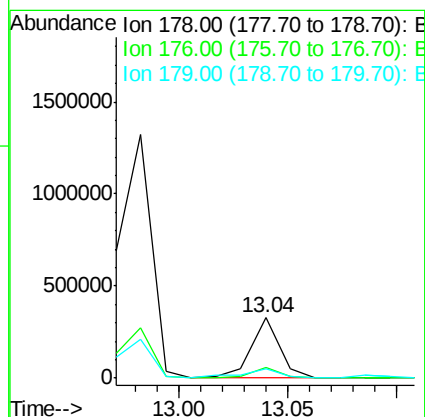
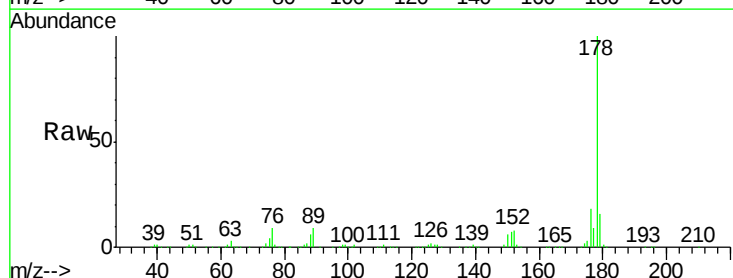
Instrument :
BNA_F
ClientSampleId :
GRID-1(6-12)

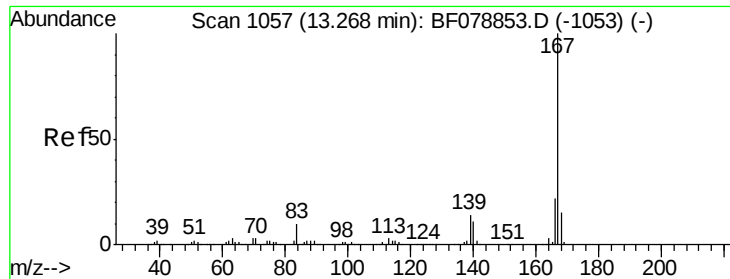
Tgt Ion:178 Resp: 1422254
Ion Ratio Lower Upper
178 100
176 20.6 15.8 23.8
179 16.1 12.5 18.7



#71
Anthracene
Concen: 20.06 ng
RT: 13.04 min Scan# 1037
Delta R.T. 0.00 min
Lab File: BF078955.D
Acq: 6 May 2015 12:46

Tgt Ion:178 Resp: 292952
Ion Ratio Lower Upper
178 100
176 18.5 15.5 23.3
179 15.5 12.7 19.1

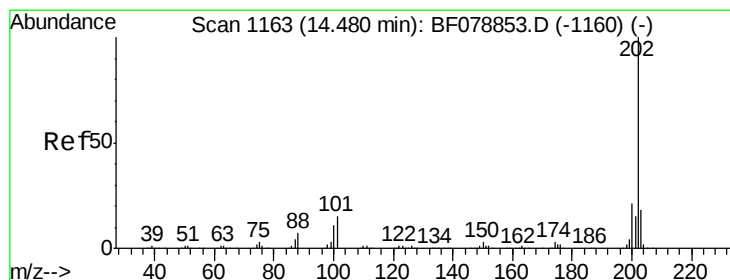
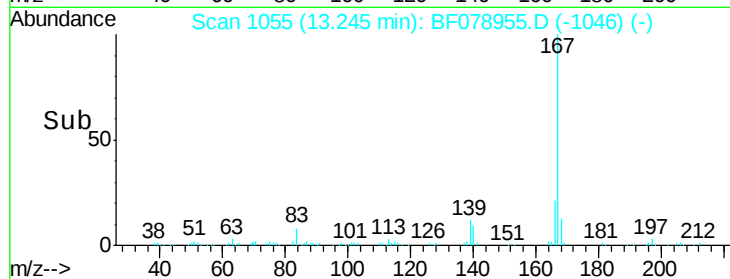
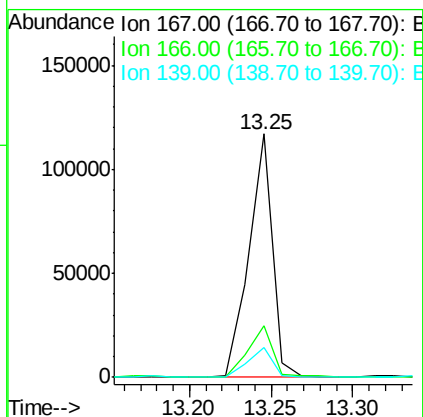
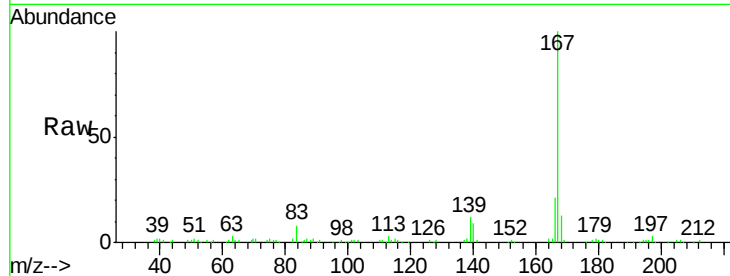




#72
 Carbazole
 Concen: 8.40 ng
 RT: 13.25 min Scan# 1055
 Delta R.T. 0.00 min
 Lab File: BF078955.D
 Acq: 6 May 2015 12:46

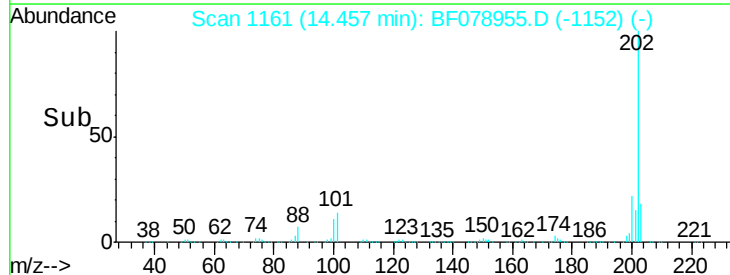
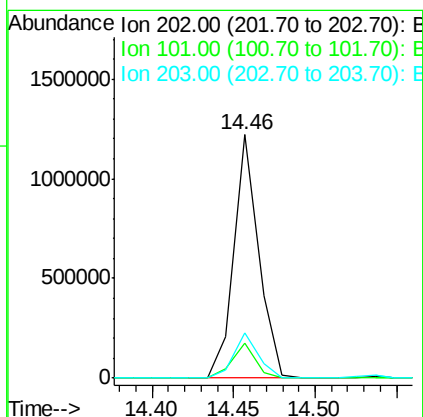
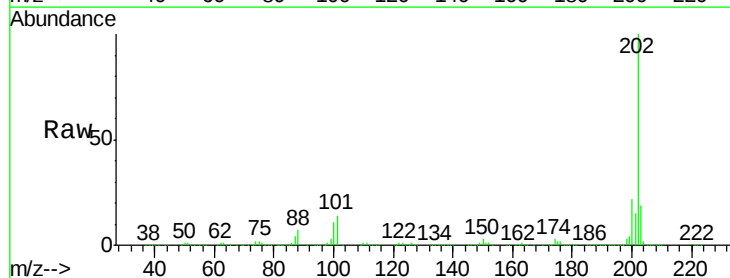
Instrument :
 BNA_F
 ClientSampleId :
 GRID-1(6-12)

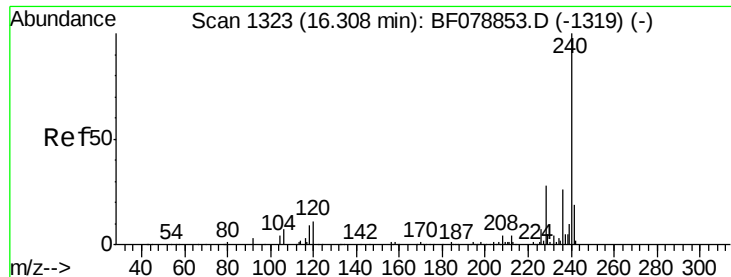
Tgt Ion:167 Resp: 116968
 Ion Ratio Lower Upper
 167 100
 166 21.2 17.8 26.8
 139 12.5 10.6 16.0



#74
 Fluoranthene
 Concen: 81.96 ng
 RT: 14.46 min Scan# 1161
 Delta R.T. 0.00 min
 Lab File: BF078955.D
 Acq: 6 May 2015 12:46

Tgt Ion:202 Resp: 1271112
 Ion Ratio Lower Upper
 202 100
 101 14.4 0.0 34.6
 203 18.5 0.0 38.4





#75

Chrysene-d12

Concen: 20.00 ng

RT: 16.25 min Scan# 1318

Delta R.T. -0.06 min

Lab File: BF078955.D

Acq: 6 May 2015 12:46

Instrument :

BNA_F

ClientSampleId :

GRID-1(6-12)

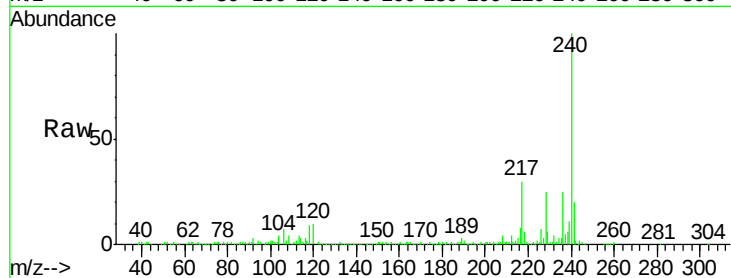
Tgt Ion: 240 Resp: 277140

Ion Ratio Lower Upper

240 100

120 10.4 9.7 14.5

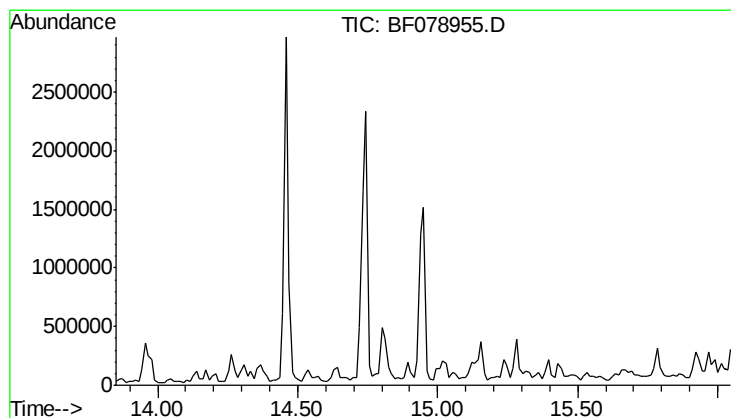
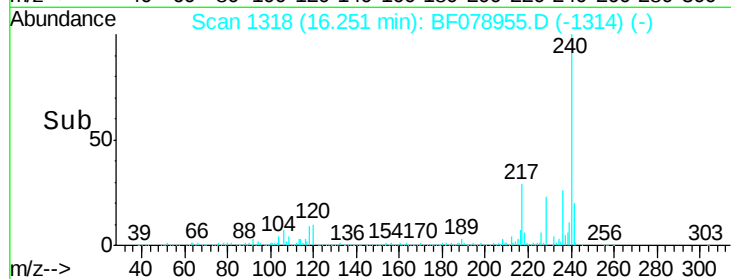
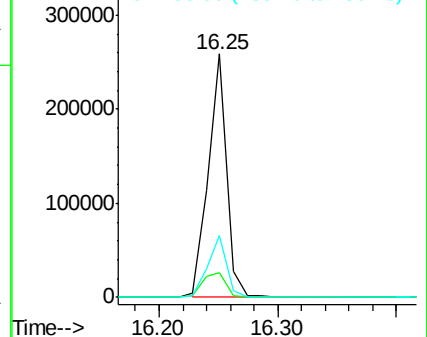
236 25.5 20.2 30.4



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78

Terphenyl-d14

Concen: 0.00 ng

Expected RT: 14.95 min

Lab File: BF078955.D

Acq: 6 May 2015 12:46

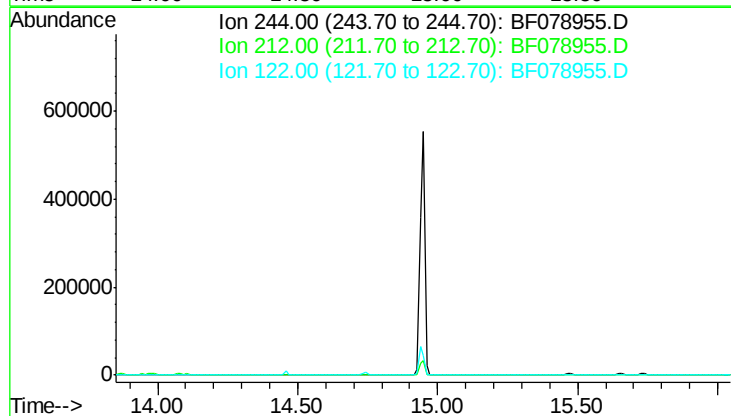
Tgt Ion: 244

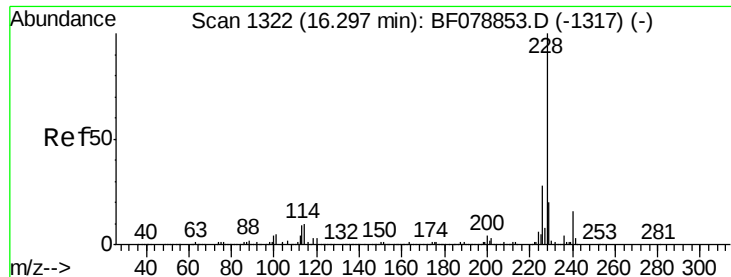
Sig Exp Ratio

244 100

212 7.0

122 12.9

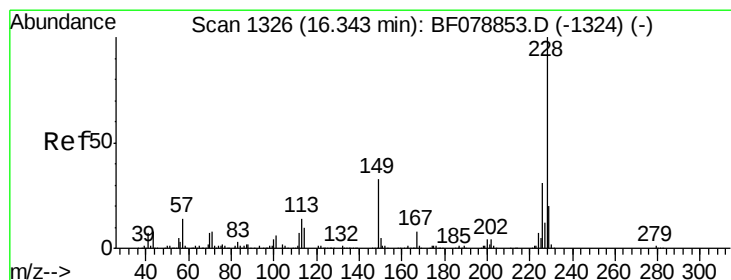
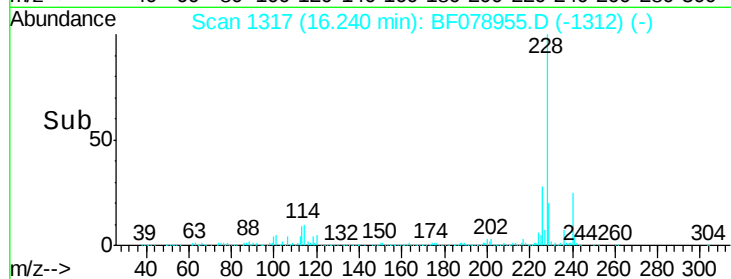
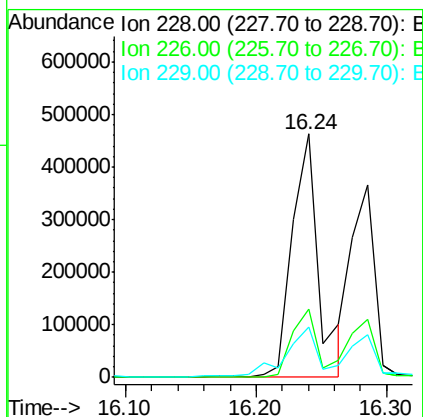
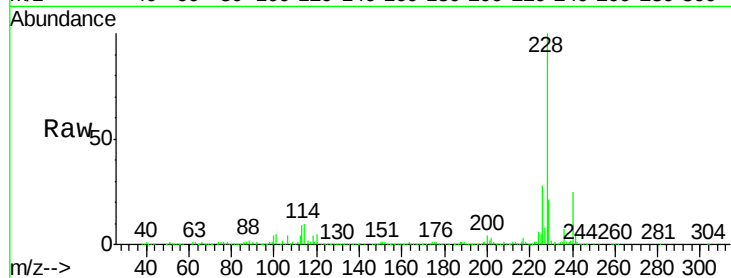




#80
Benzo(a)anthracene
Concen: 43.02 ng
RT: 16.24 min Scan# 1317
Delta R.T. -0.05 min
Lab File: BF078955.D
Acq: 6 May 2015 12:46

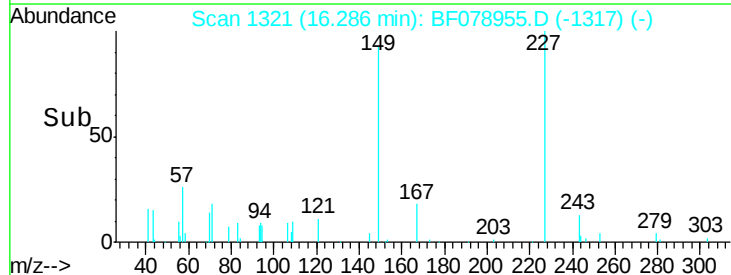
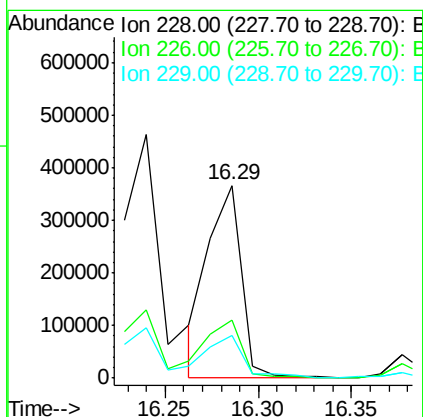
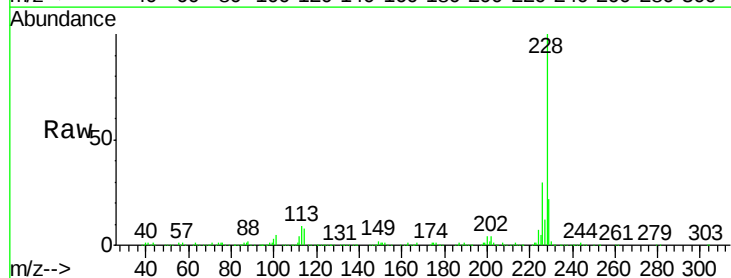
Instrument :
BNA_F
ClientSampleId :
GRID-1(6-12)

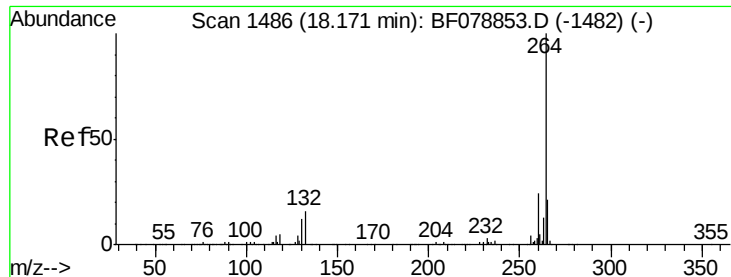
Tgt Ion:228 Resp: 652926
Ion Ratio Lower Upper
228 100
226 28.2 22.6 33.8
229 20.9 15.9 23.9



#82
Chrysene
Concen: 30.89 ng
RT: 16.29 min Scan# 1321
Delta R.T. -0.06 min
Lab File: BF078955.D
Acq: 6 May 2015 12:46

Tgt Ion:228 Resp: 450919
Ion Ratio Lower Upper
228 100
226 30.2 24.9 37.3
229 22.1 16.0 24.0

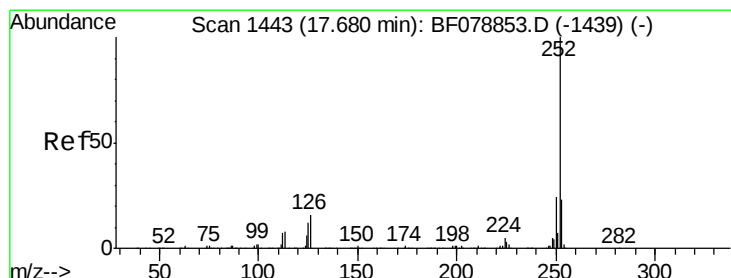
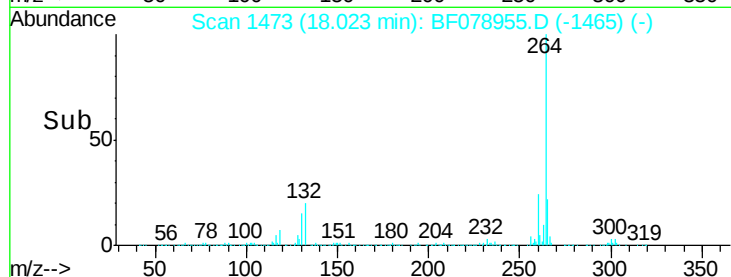
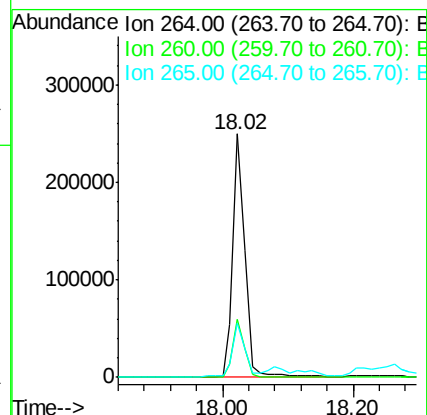
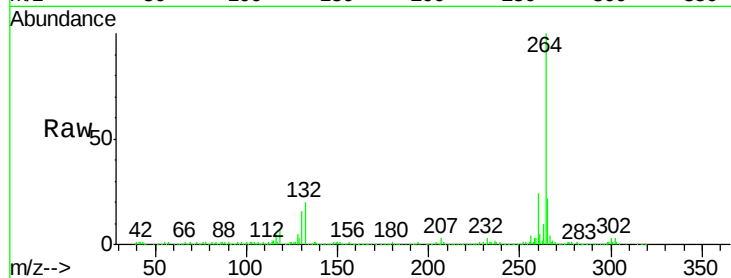




#86
Perylene-d12
Concen: 20.00 ng
RT: 18.02 min Scan# 1473
Delta R.T. -0.21 min
Lab File: BF078955.D
Acq: 6 May 2015 12:46

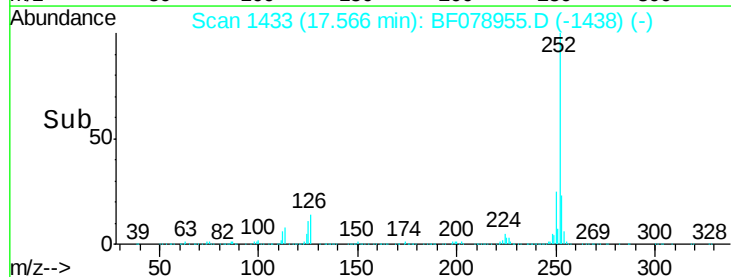
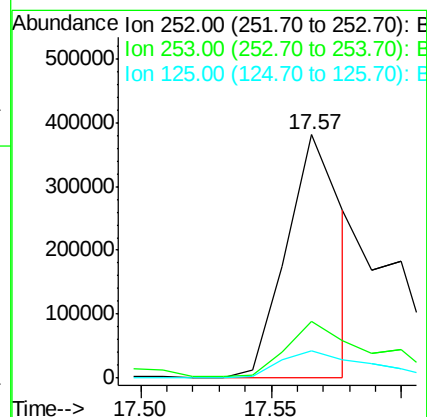
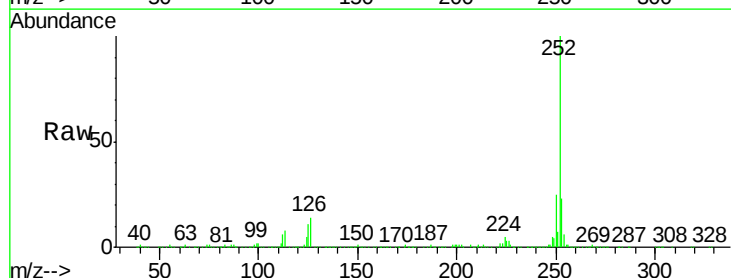
Instrument :
BNA_F
ClientSampleId :
GRID-1(6-12)

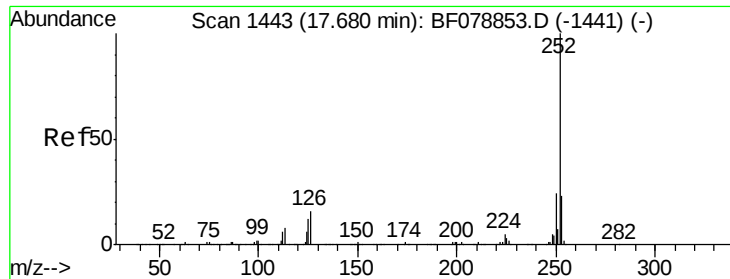
Tgt Ion:264 Resp: 324211
Ion Ratio Lower Upper
264 100
260 23.9 19.4 29.2
265 22.4 18.3 27.5



#87
Benzo(b)fluoranthene
Concen: 31.93 ng
RT: 17.57 min Scan# 1433
Delta R.T. -0.16 min
Lab File: BF078955.D
Acq: 6 May 2015 12:46

Tgt Ion:252 Resp: 566682
Ion Ratio Lower Upper
252 100
253 23.4 17.7 26.5
125 11.4 9.5 14.3

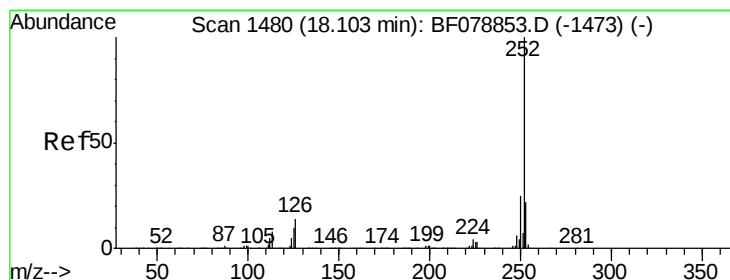
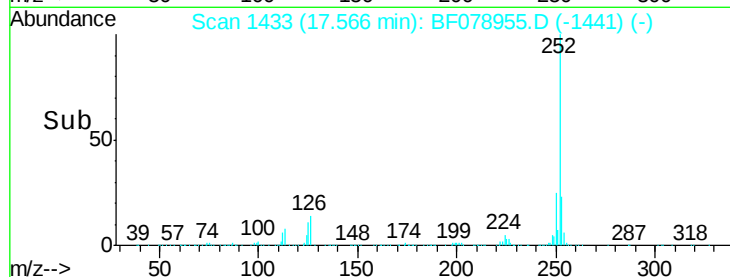
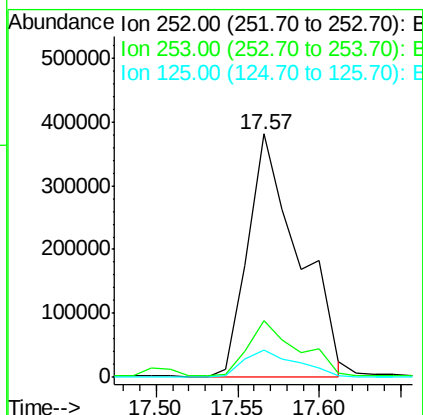
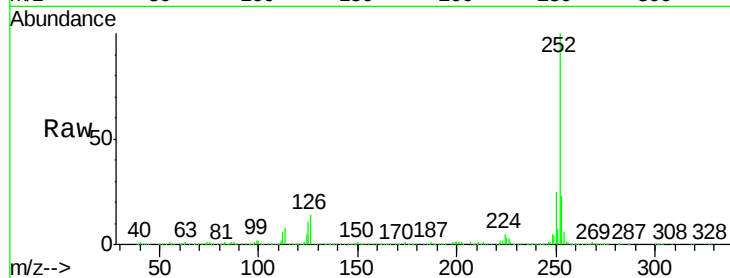




#88
Benzo(k)fluoranthene
Concen: 47.85 ng
RT: 17.57 min Scan# 1433
Delta R.T. -0.19 min
Lab File: BF078955.D
Acq: 6 May 2015 12:46

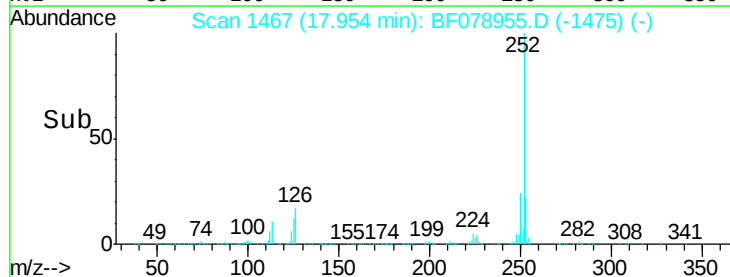
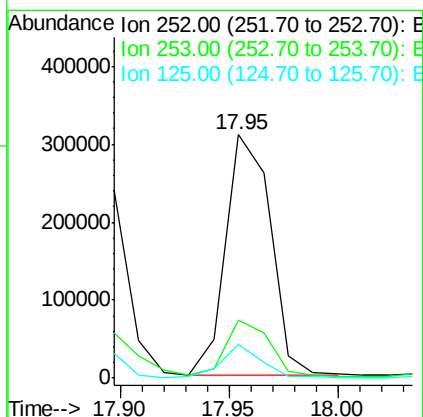
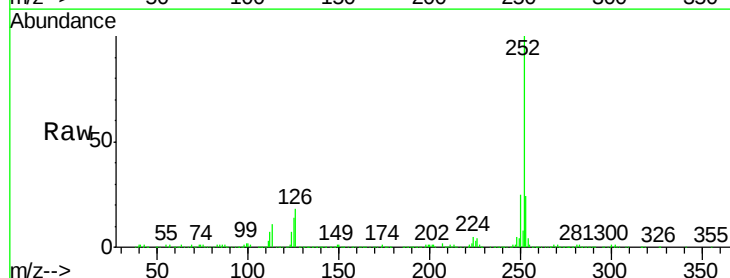
Instrument :
BNA_F
ClientSampleId :
GRID-1(6-12)

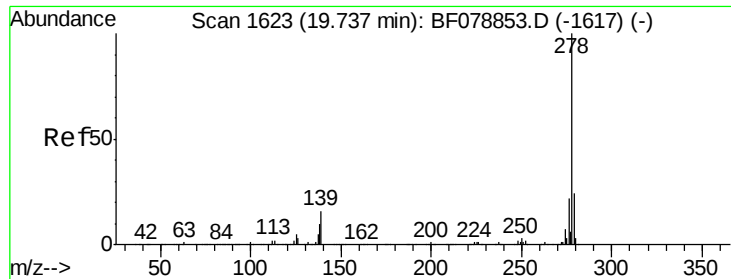
Tgt Ion:252 Resp: 822001
Ion Ratio Lower Upper
252 100
253 23.4 18.1 27.1
125 11.4 10.0 15.0



#89
Benzo(a)pyrene
Concen: 26.92 ng
RT: 17.95 min Scan# 1467
Delta R.T. -0.19 min
Lab File: BF078955.D
Acq: 6 May 2015 12:46

Tgt Ion:252 Resp: 439829
Ion Ratio Lower Upper
252 100
253 24.0 17.3 25.9
125 13.9 7.0 10.6#

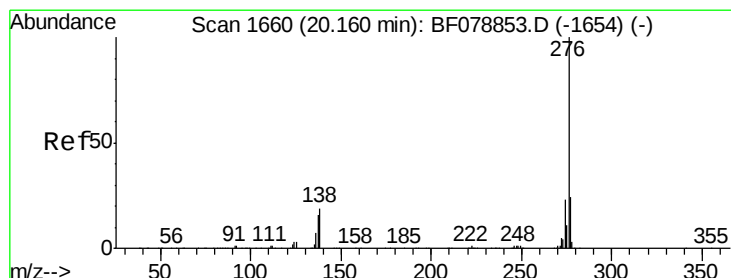
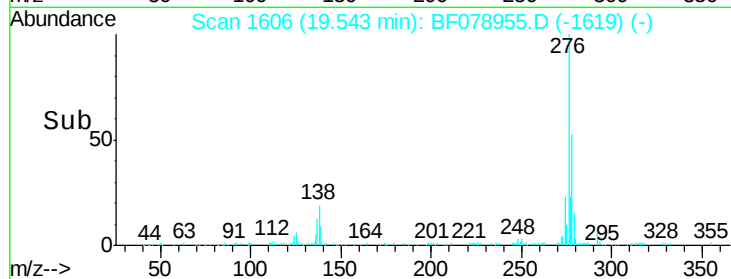
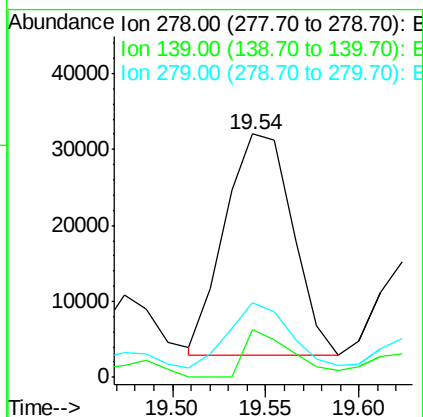
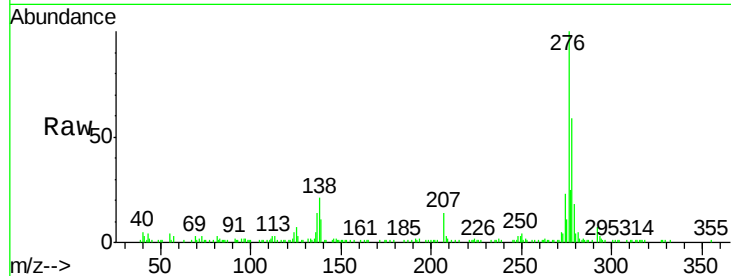




#90
Dibenzo(a,h)anthracene
Concen: 4.23 ng
RT: 19.54 min Scan# 1606
Delta R.T. -0.25 min
Lab File: BF078955.D
Acq: 6 May 2015 12:46

Instrument :
BNA_F
ClientSampleId :
GRID-1(6-12)

Tgt Ion: 278 Resp: 73425
Ion Ratio Lower Upper
278 100
139 19.4 12.8 19.2#
279 30.5 19.6 29.4#



#91
Benzo(g,h,i)perylene
Concen: 16.08 ng
RT: 19.97 min Scan# 1643
Delta R.T. -0.24 min
Lab File: BF078955.D
Acq: 6 May 2015 12:46

Tgt Ion: 276 Resp: 279811
Ion Ratio Lower Upper
276 100
277 23.6 18.6 28.0
138 24.7 17.4 26.0

