

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041415\
 Data File : BF078532.D
 Acq On : 15 Apr 2015 9:10
 Operator : TP/IZ
 Sample : G1823-07DL 10X
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-4DL

Quant Time: Apr 15 08:50:05 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 15 01:10:59 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	25311	20.00	ng	0.00
21) Naphthalene-d8	8.38	136	112209	20.00	ng	-0.01
38) Acenaphthene-d10	10.54	164	59871	20.00	ng	0.00
63) Phenanthrene-d10	12.37	188	128200	20.00	ng	0.00
75) Chrysene-d12	15.62	240	145410	20.00	ng	-0.03
86) Perylene-d12	17.34	264	147142	20.00	ng	-0.15

System Monitoring Compounds						
5) 2-Fluorophenol	5.06	112	12448	8.11	ng	0.01
7) Phenol-d6	6.41	99	17110	8.89	ng	0.00
23) Nitrobenzene-d5	7.51	82	9291	5.02	ng	0.00
41) 2,4,6-Tribromophenol	11.52	330	3682	7.42	ng	0.00
44) 2-Fluorobiphenyl	9.74	172	23595	5.63	ng	0.00
78) Terphenyl-d14	14.35	244	31953	4.97	ng	0.00

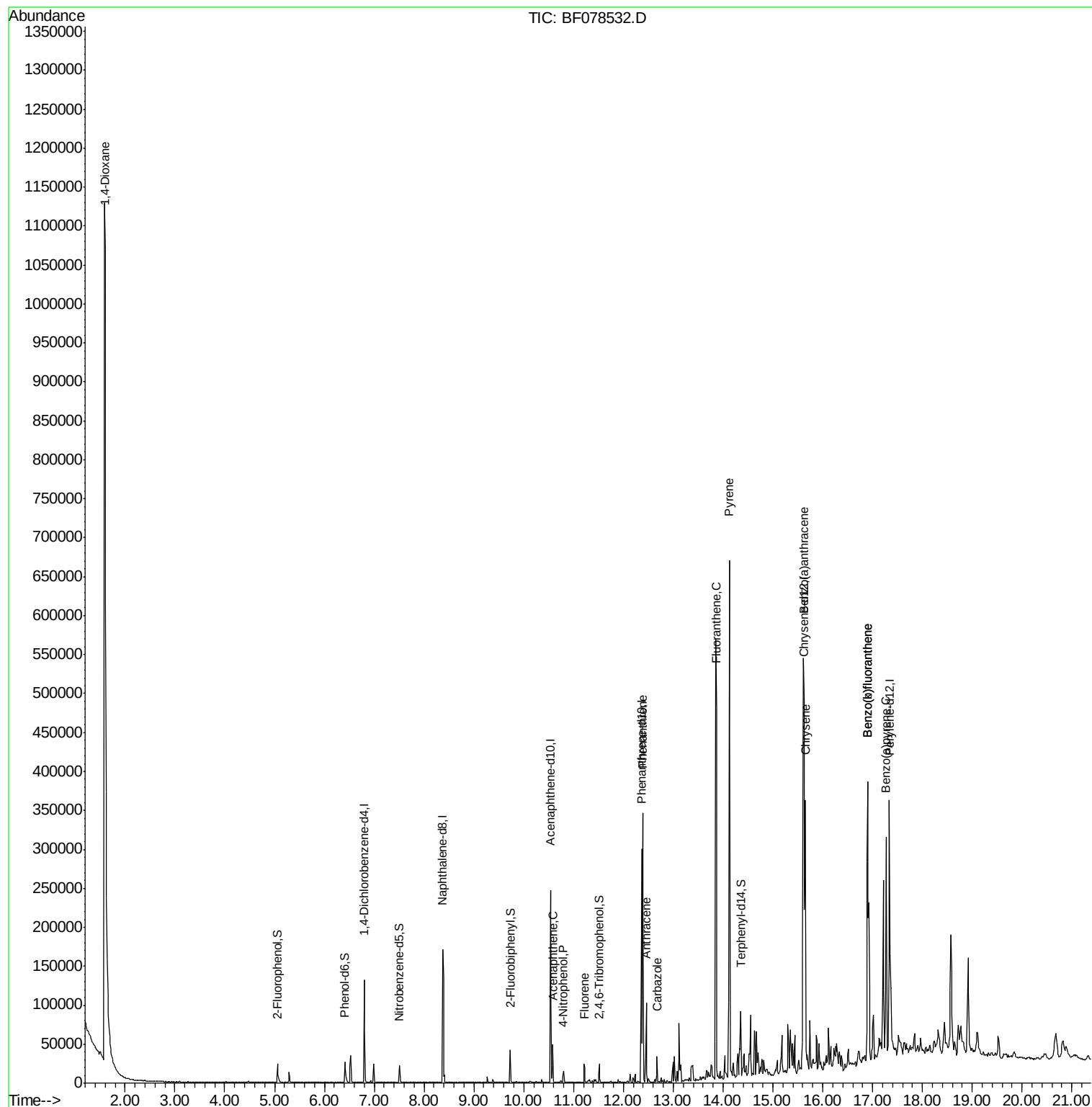
Target Compounds						Qvalue
2) 1,4-Dioxane	1.60	88	57043	82.17	ng	# 25
51) Acenaphthene	10.58	154	13635	3.89	ng	96
55) 4-Nitrophenol	10.80	139	3128	6.66	ng	# 18
57) Fluorene	11.21	166	10914	2.52	ng	98
70) Phenanthrene	12.39	178	178087	24.01	ng	99
71) Anthracene	12.46	178	45052	6.17	ng	100
72) Carbazole	12.67	167	17888	2.61	ng	98
74) Fluoranthene	13.86	202	339212	43.37	ng	89
77) Pyrene	14.13	202	322584	35.34	ng	# 90
80) Benzo(a)anthracene	15.61	228	206663	23.89	ng	99
82) Chrysene	15.66	228	155155	19.09	ng	97
87) Benzo(b)fluoranthene	16.90	252	212412	23.36	ng	# 96
88) Benzo(k)fluoranthene	16.90	252	296882	36.74	ng	# 96
89) Benzo(a)pyrene	17.27	252	148823	18.75	ng	# 92

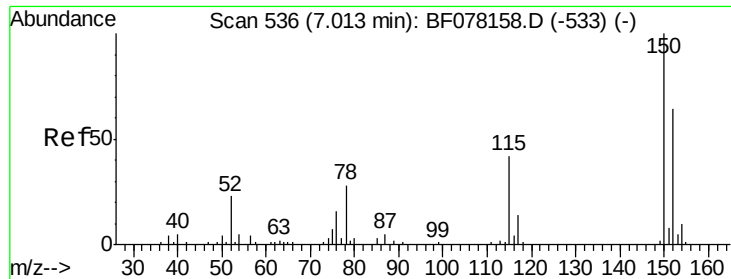
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.80 min Scan# 491

Delta R.T. 0.00 min

Lab File: BF078532.D

Acq: 15 Apr 2015 9:10

Instrument :

BNA_F

ClientSampleId :

SP-4DL

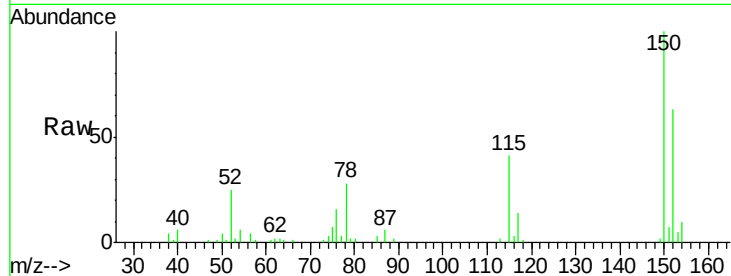
Tgt Ion:152 Resp: 25311

Ion Ratio Lower Upper

152 100

150 158.8 125.9 188.9

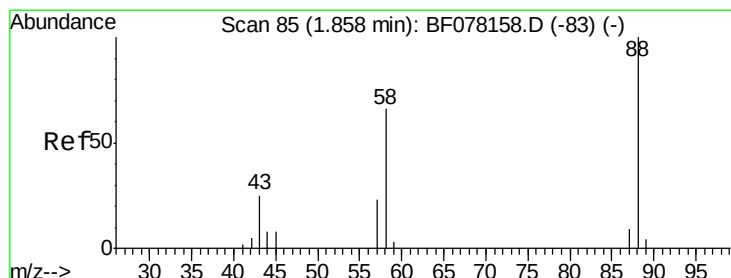
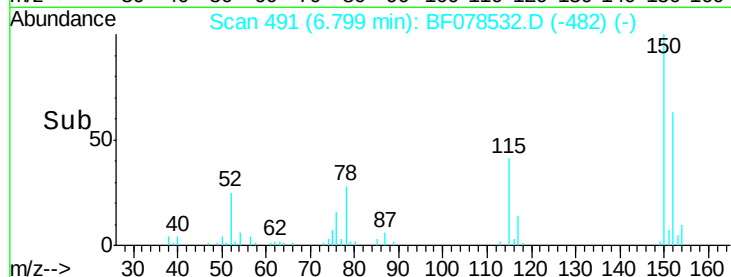
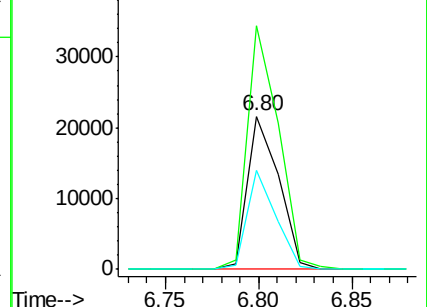
115 64.6 52.7 79.1



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 82.17 ng

RT: 1.60 min Scan# 36

Delta R.T. 0.01 min

Lab File: BF078532.D

Acq: 15 Apr 2015 9:10

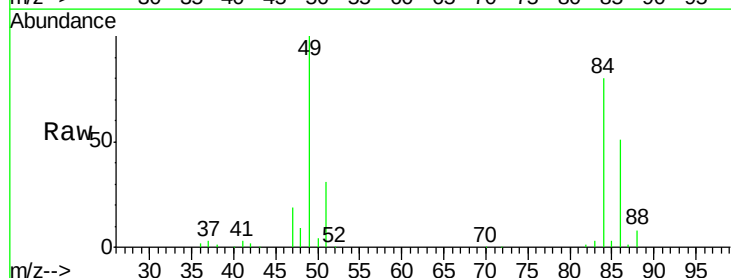
Tgt Ion: 88 Resp: 57043

Ion Ratio Lower Upper

88 100

58 0.0 56.9 85.3#

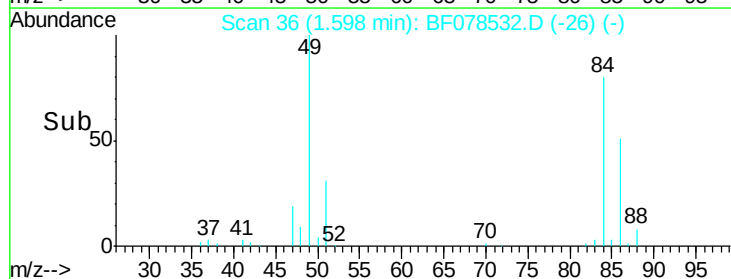
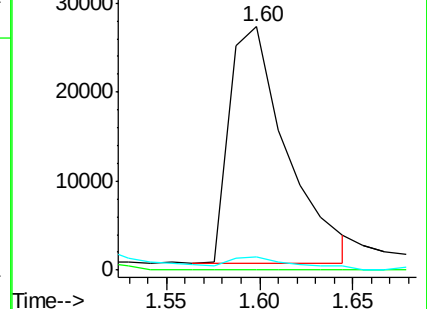
43 3.0 21.4 32.2#

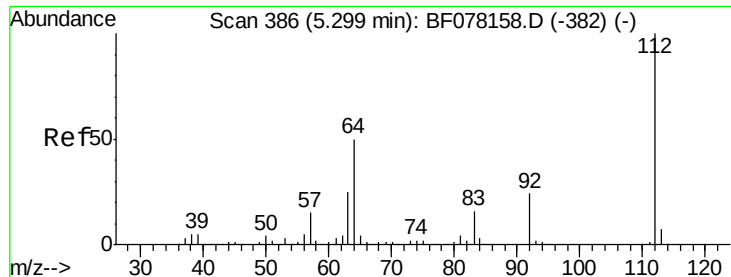


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 8.11 ng

RT: 5.06 min Scan# 339

Delta R.T. 0.01 min

Lab File: BF078532.D

Acq: 15 Apr 2015 9:10

Instrument :

BNA_F

ClientSampleId :

SP-4DL

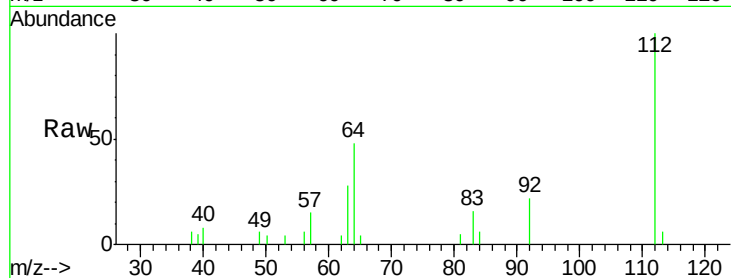
Tgt Ion: 112 Resp: 12448

Ion Ratio Lower Upper

112 100

64 48.5 39.9 59.9

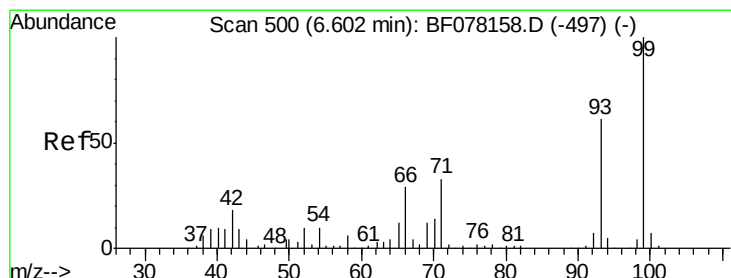
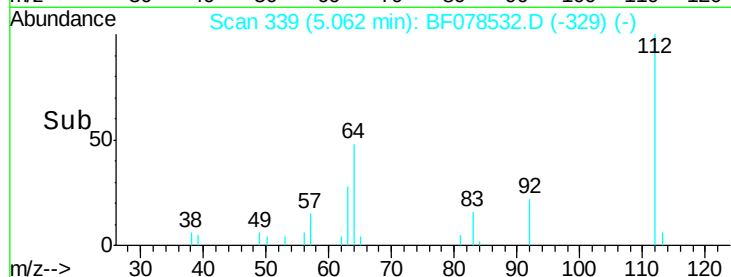
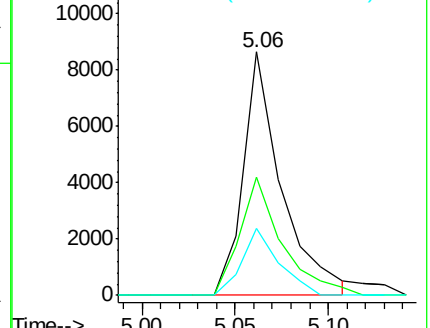
63 27.5 20.2 30.4



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: 8.89 ng

RT: 6.41 min Scan# 457

Delta R.T. 0.00 min

Lab File: BF078532.D

Acq: 15 Apr 2015 9:10

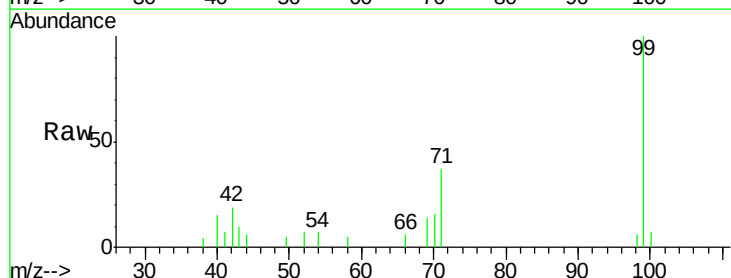
Tgt Ion: 99 Resp: 17110

Ion Ratio Lower Upper

99 100

42 19.2 14.8 22.2

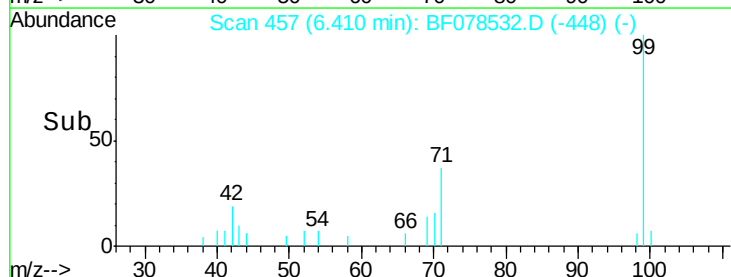
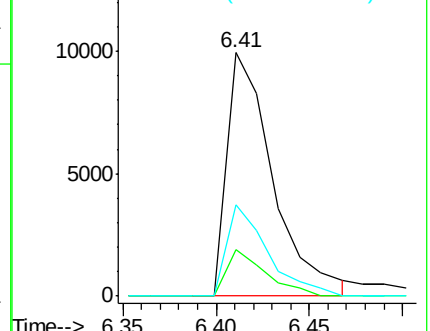
71 37.3 26.6 39.8

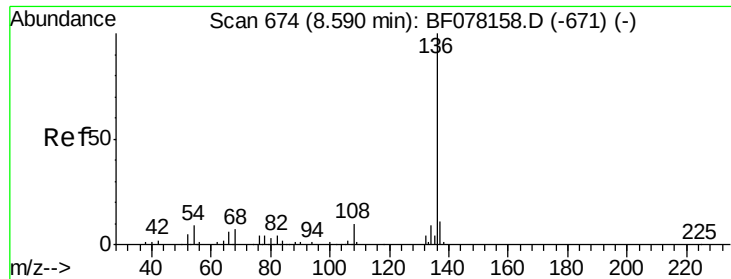


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0

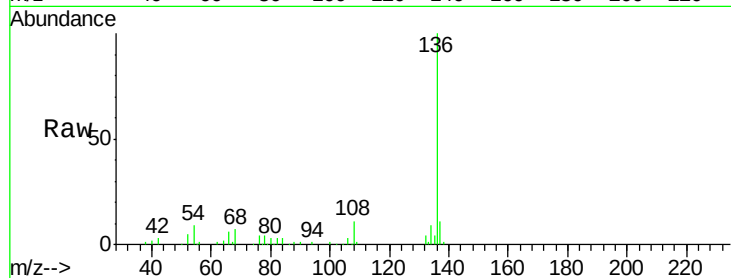




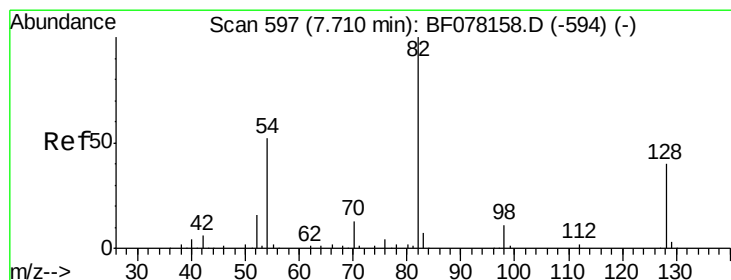
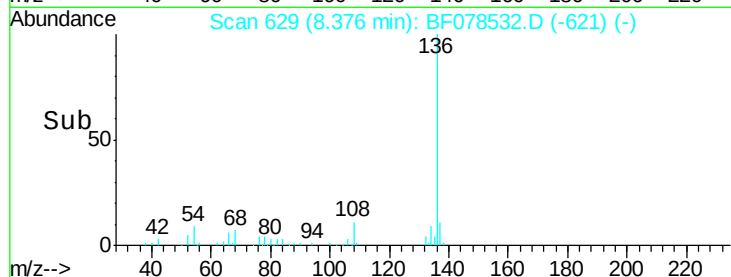
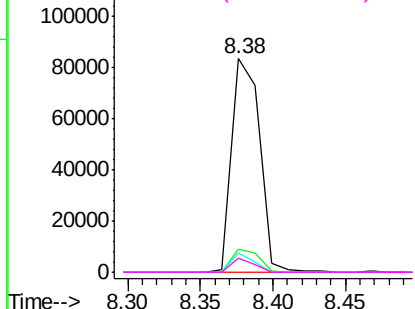
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.38 min Scan# 629
Delta R.T. -0.01 min
Lab File: BF078532.D
Acq: 15 Apr 2015 9:10

Instrument :
BNA_F
ClientSampleId :
SP-4DL

Tgt Ion:	136	Resp:	112209
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.0	13.4
54	9.0	7.0	10.6
68	6.5	5.4	8.2

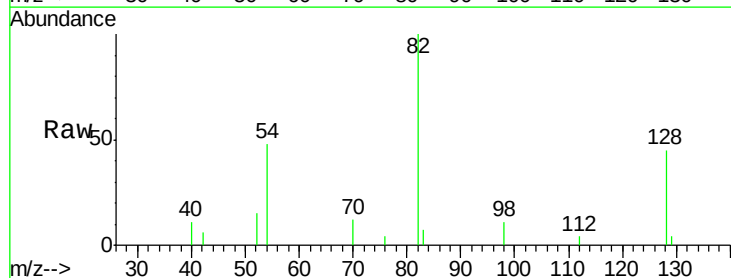


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

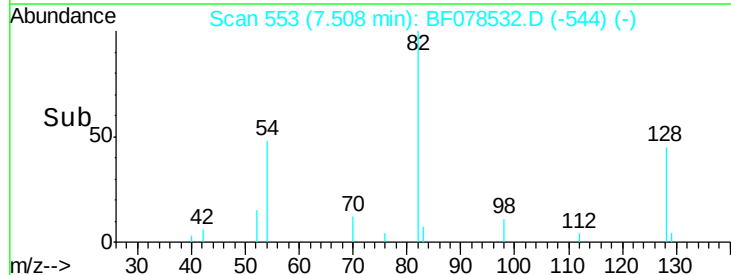
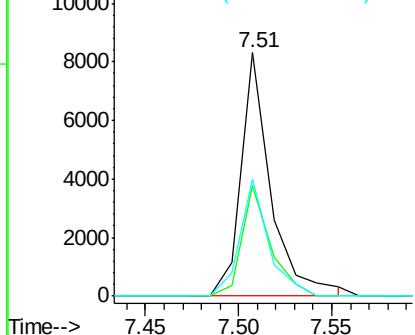


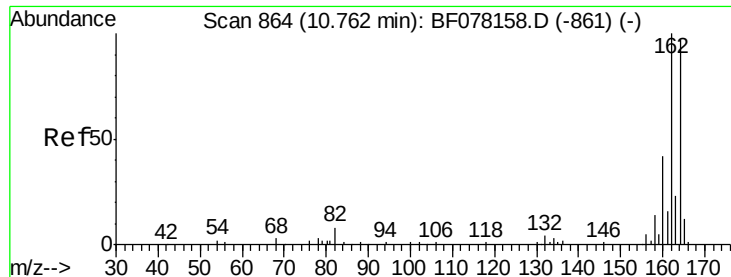
#23
Nitrobenzene-d5
Concen: 5.02 ng
RT: 7.51 min Scan# 553
Delta R.T. 0.00 min
Lab File: BF078532.D
Acq: 15 Apr 2015 9:10

Tgt Ion:	82	Resp:	9291
Ion	Ratio	Lower	Upper
82	100		
128	45.4	31.8	47.8
54	47.9	41.5	62.3



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





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 10.54 min Scan# 818

Delta R.T. 0.00 min

Lab File: BF078532.D

Acq: 15 Apr 2015 9:10

Instrument :

BNA_F

ClientSampleId :

SP-4DL

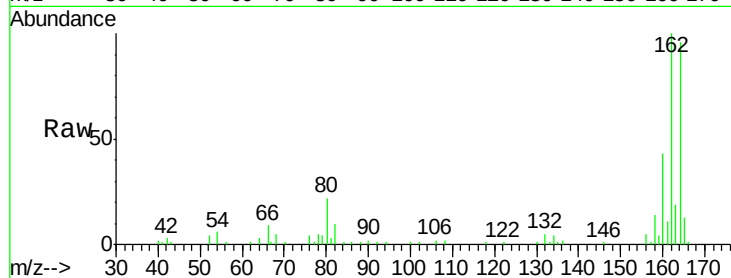
Tgt Ion:164 Resp: 59871

Ion Ratio Lower Upper

164 100

162 104.5 82.2 123.2

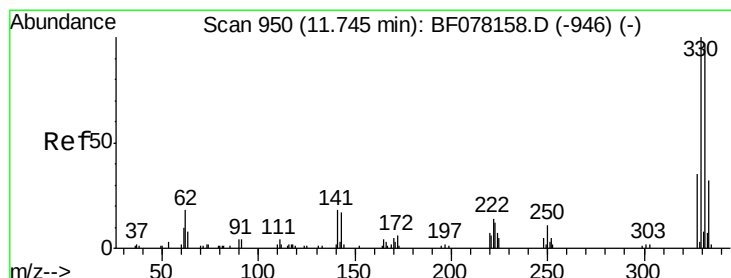
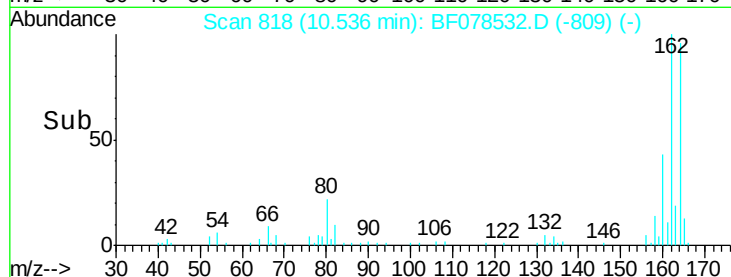
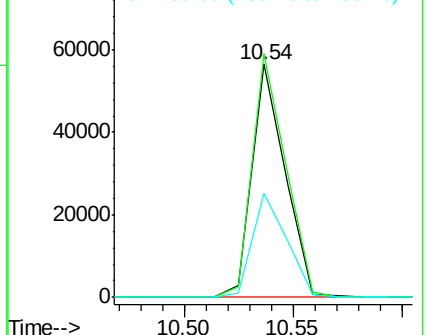
160 45.0 34.7 52.1



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: 7.42 ng

RT: 11.52 min Scan# 904

Delta R.T. 0.00 min

Lab File: BF078532.D

Acq: 15 Apr 2015 9:10

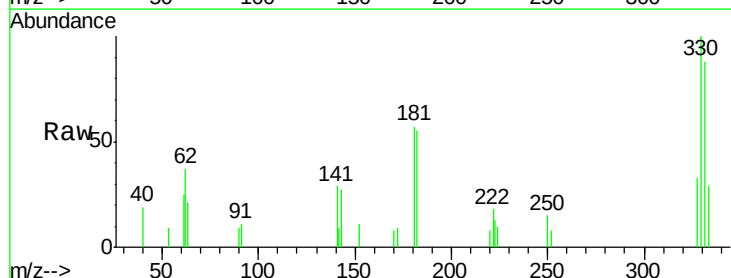
Tgt Ion:330 Resp: 3682

Ion Ratio Lower Upper

330 100

332 91.8 78.6 117.8

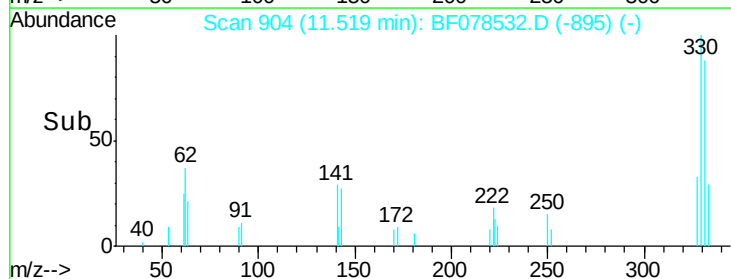
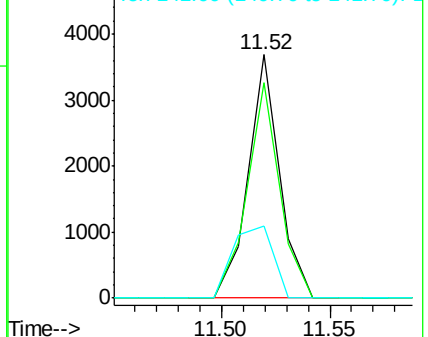
141 38.2 31.2 46.8

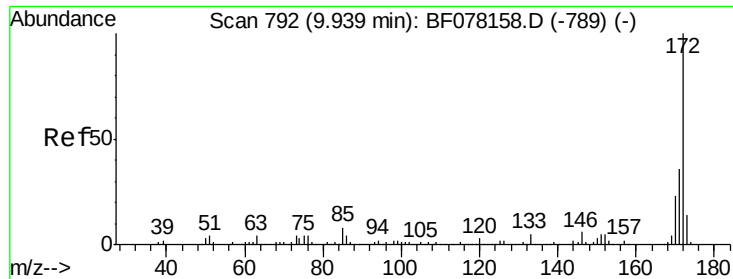


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

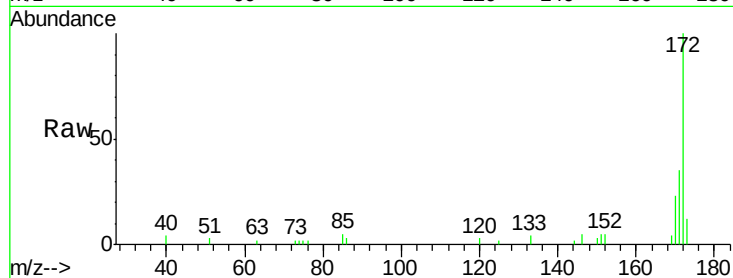




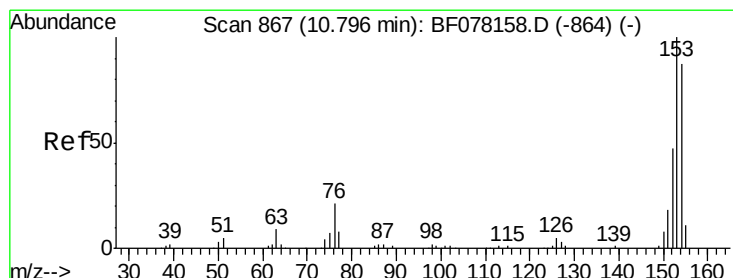
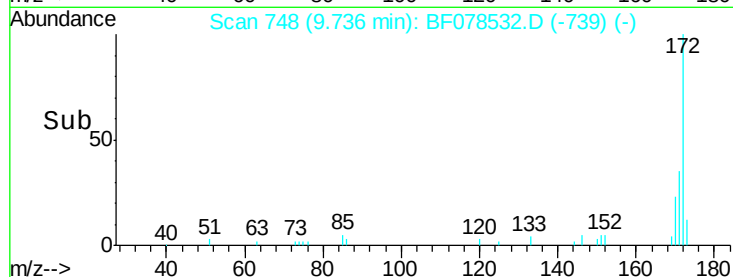
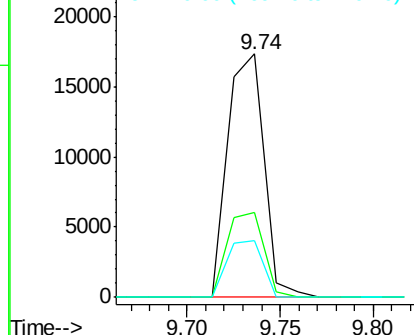
#44
 2-Fluorobiphenyl
 Concen: 5.63 ng
 RT: 9.74 min Scan# 748
 Delta R.T. 0.00 min
 Lab File: BF078532.D
 Acq: 15 Apr 2015 9:10

Instrument :
 BNA_F
 ClientSampleId :
 SP-4DL

Tgt Ion:172 Resp: 23595
 Ion Ratio Lower Upper
 172 100
 171 35.1 28.6 42.8
 170 23.3 18.5 27.7

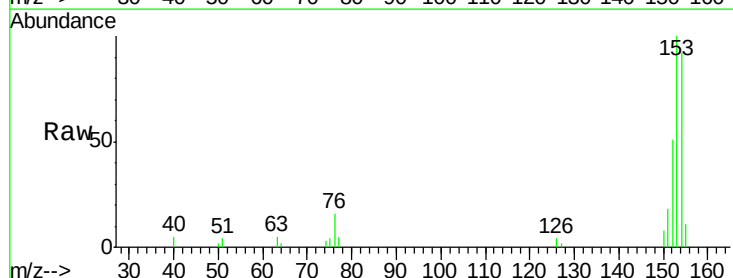


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

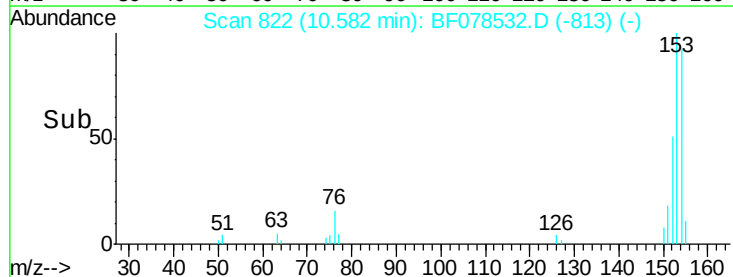
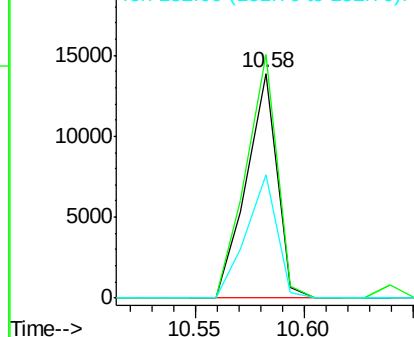


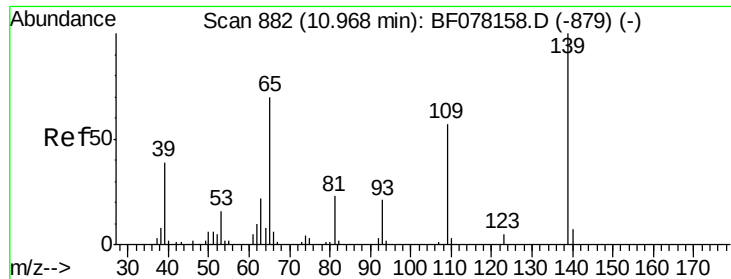
#51
 Acenaphthene
 Concen: 3.89 ng
 RT: 10.58 min Scan# 822
 Delta R.T. 0.00 min
 Lab File: BF078532.D
 Acq: 15 Apr 2015 9:10

Tgt Ion:154 Resp: 13635
 Ion Ratio Lower Upper
 154 100
 153 108.4 91.4 137.2
 152 54.7 43.0 64.6



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

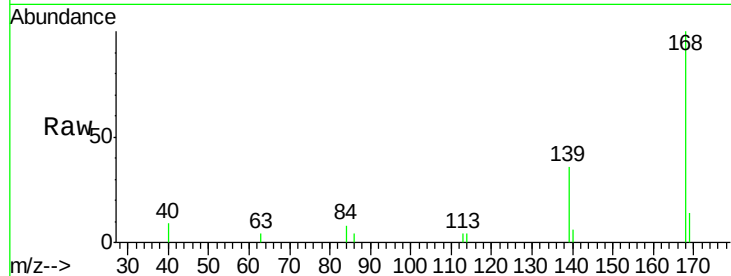




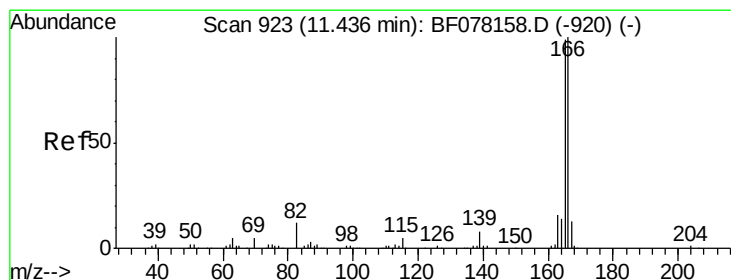
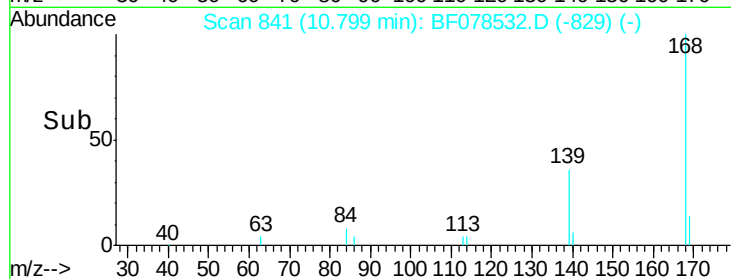
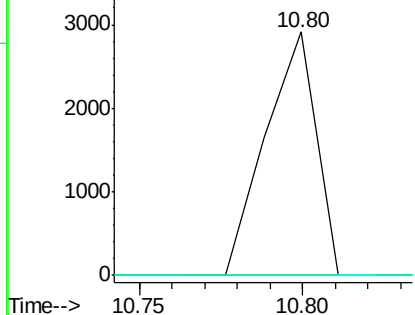
#55
4-Nitrophenol
Concen: 6.66 ng
RT: 10.80 min Scan# 841
Delta R.T. 0.03 min
Lab File: BF078532.D
Acq: 15 Apr 2015 9:10

Instrument :
BNA_F
ClientSampleId :
SP-4DL

Tgt Ion:139 Resp: 3128
Ion Ratio Lower Upper
139 100
109 0.0 36.7 76.7#
65 0.0 49.9 89.9#

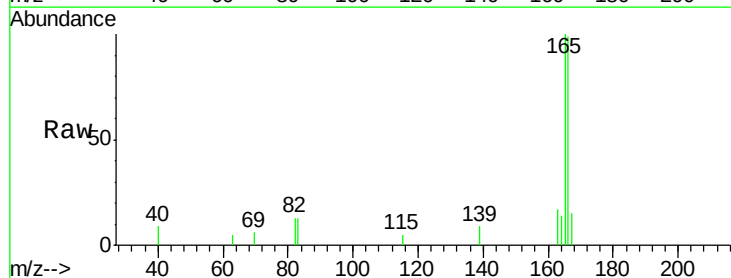


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): E

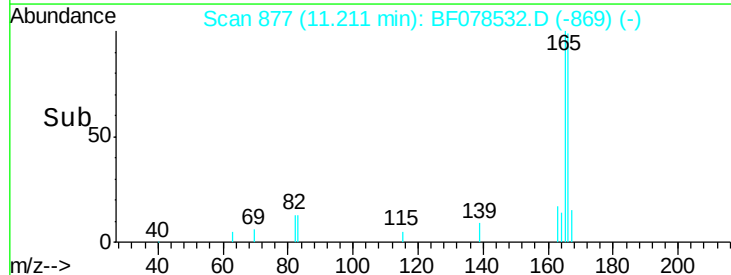
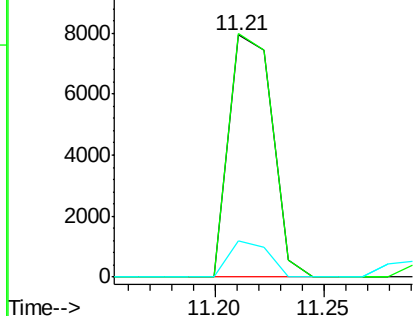


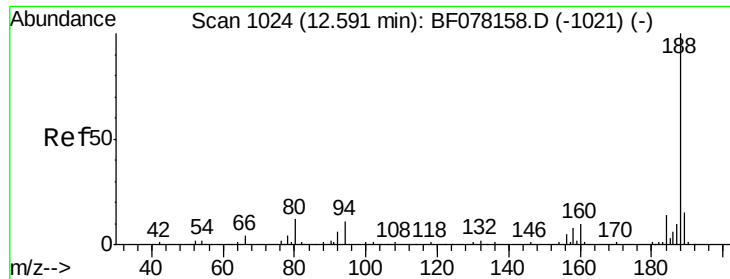
#57
Fluorene
Concen: 2.52 ng
RT: 11.21 min Scan# 877
Delta R.T. -0.01 min
Lab File: BF078532.D
Acq: 15 Apr 2015 9:10

Tgt Ion:166 Resp: 10914
Ion Ratio Lower Upper
166 100
165 100.5 78.9 118.3
167 14.9 10.7 16.1



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E

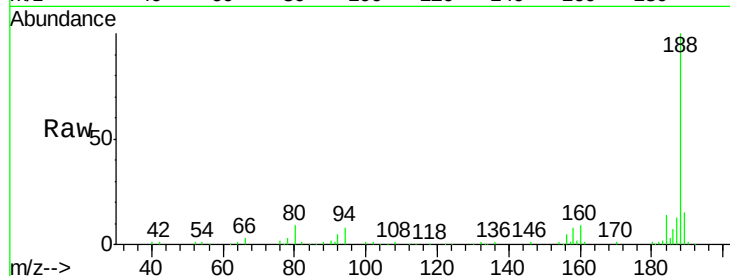




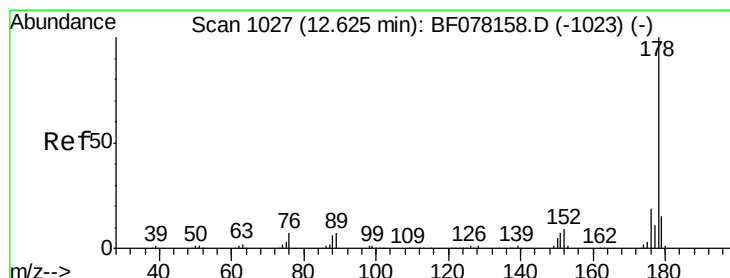
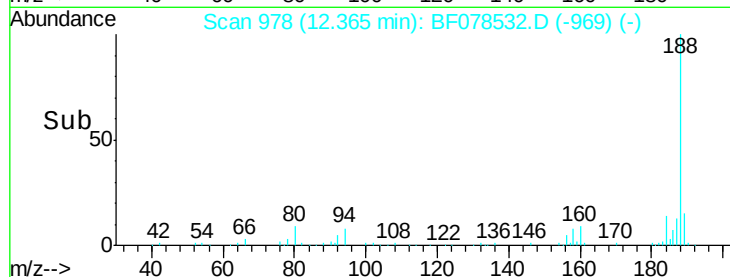
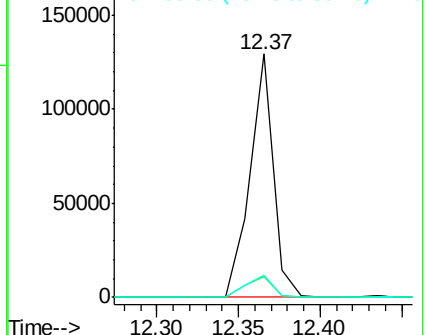
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.37 min Scan# 978
Delta R.T. 0.00 min
Lab File: BF078532.D
Acq: 15 Apr 2015 9:10

Instrument :
BNA_F
ClientSampleId :
SP-4DL

Tgt Ion:188 Resp: 128200
Ion Ratio Lower Upper
188 100
94 8.4 9.0 13.4#
80 8.9 9.5 14.3#

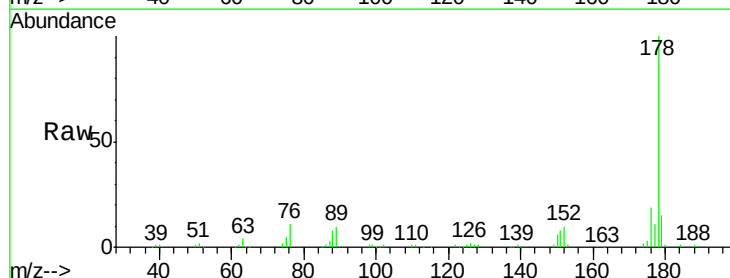


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

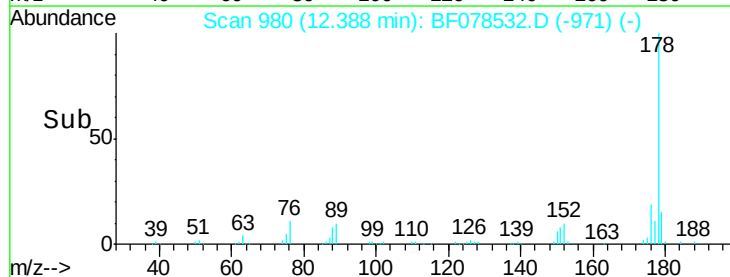
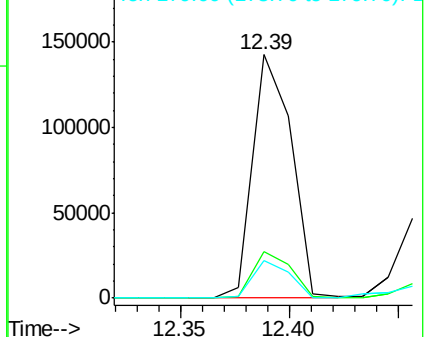


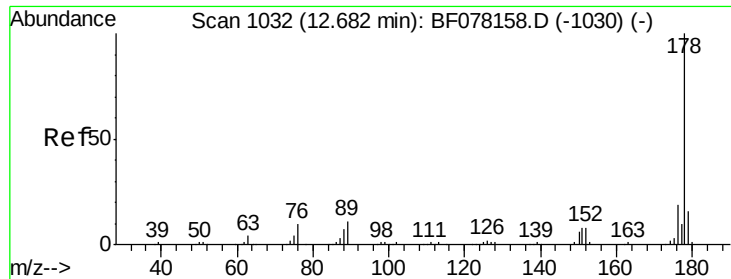
#70
Phenanthrene
Concen: 24.01 ng
RT: 12.39 min Scan# 980
Delta R.T. 0.00 min
Lab File: BF078532.D
Acq: 15 Apr 2015 9:10

Tgt Ion:178 Resp: 178087
Ion Ratio Lower Upper
178 100
176 18.8 15.4 23.0
179 15.3 12.2 18.2



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

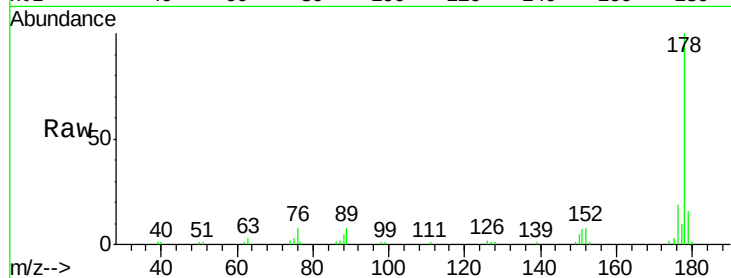




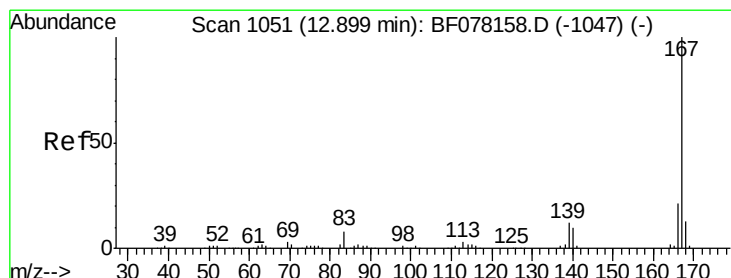
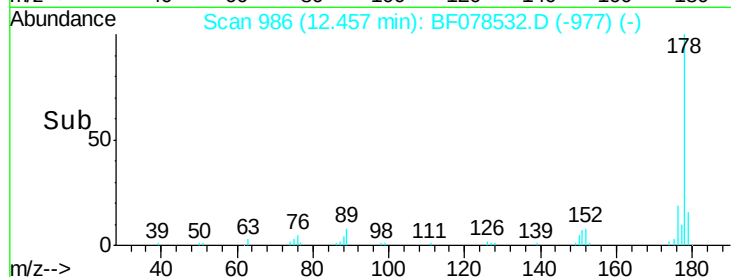
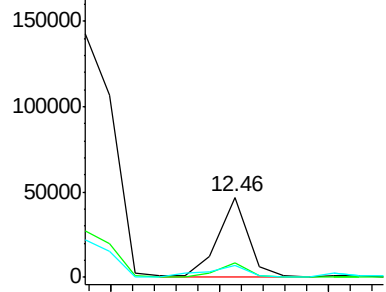
#71
 Anthracene
 Concen: 6.17 ng
 RT: 12.46 min Scan# 986
 Delta R.T. 0.00 min
 Lab File: BF078532.D
 Acq: 15 Apr 2015 9:10

Instrument :
 BNA_F
 ClientSampleId :
 SP-4DL

Tgt Ion:178 Resp: 45052
 Ion Ratio Lower Upper
 178 100
 176 18.6 14.8 22.2
 179 15.6 12.4 18.6

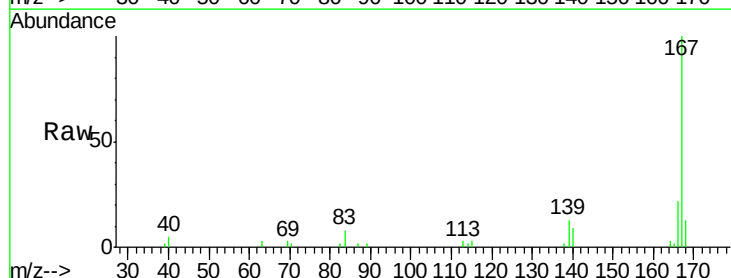


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

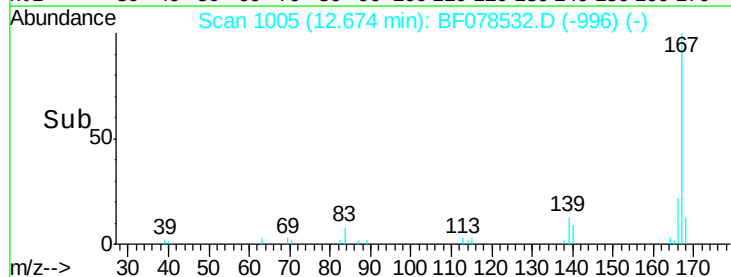
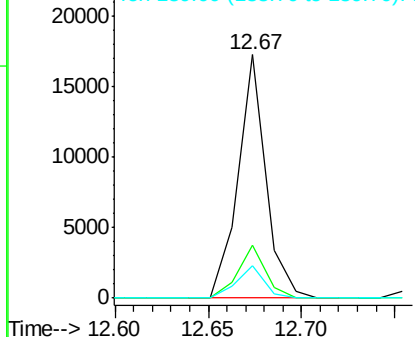


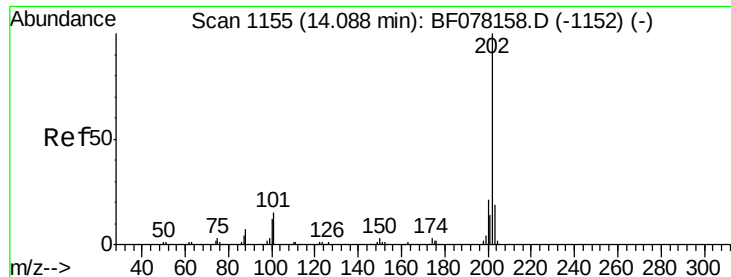
#72
 Carbazole
 Concen: 2.61 ng
 RT: 12.67 min Scan# 1005
 Delta R.T. 0.00 min
 Lab File: BF078532.D
 Acq: 15 Apr 2015 9:10

Tgt Ion:167 Resp: 17888
 Ion Ratio Lower Upper
 167 100
 166 21.8 16.8 25.2
 139 13.1 10.0 15.0



Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 43.37 ng

RT: 13.86 min Scan# 1109

Delta R.T. 0.01 min

Lab File: BF078532.D

Acq: 15 Apr 2015 9:10

Instrument :

BNA_F

ClientSampleId :

SP-4DL

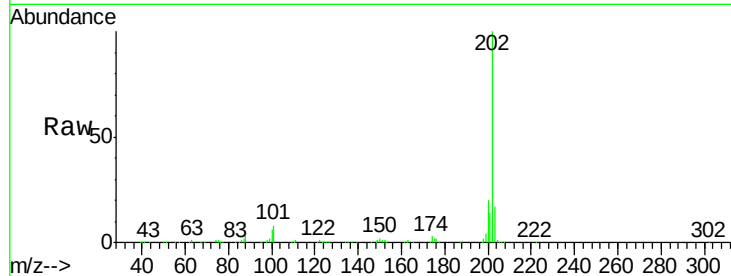
Tgt Ion:202 Resp: 339212

Ion Ratio Lower Upper

202 100

101 7.5 0.0 35.2

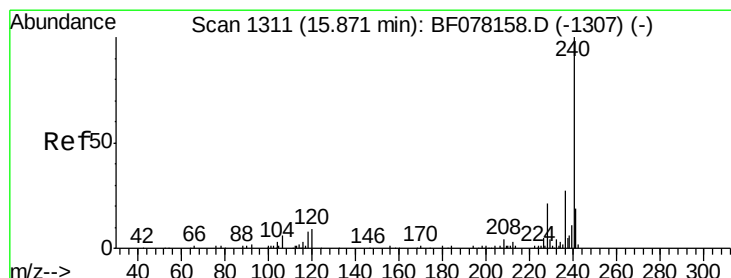
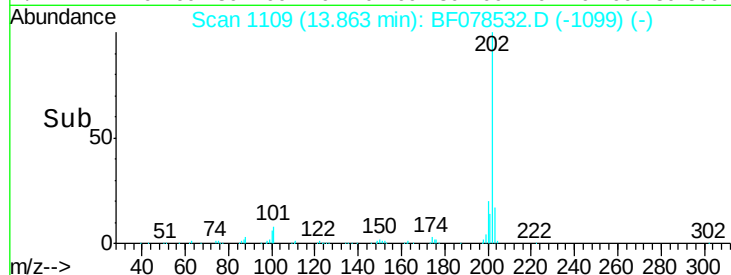
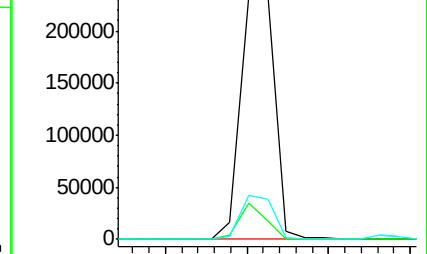
203 16.7 0.0 38.5



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 15.62 min Scan# 1263

Delta R.T. -0.03 min

Lab File: BF078532.D

Acq: 15 Apr 2015 9:10

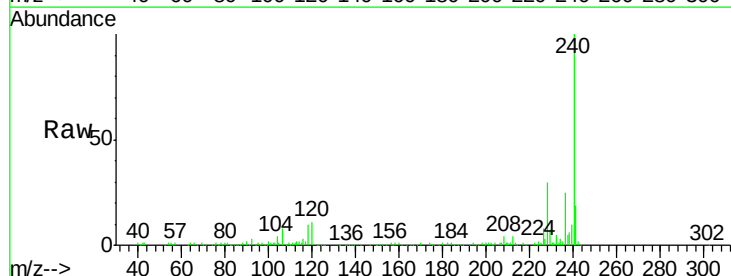
Tgt Ion:240 Resp: 145410

Ion Ratio Lower Upper

240 100

120 11.4 7.1 10.7#

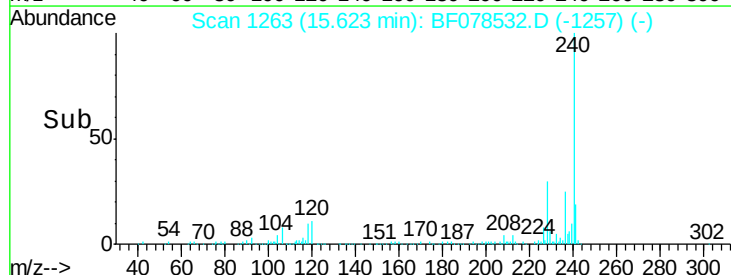
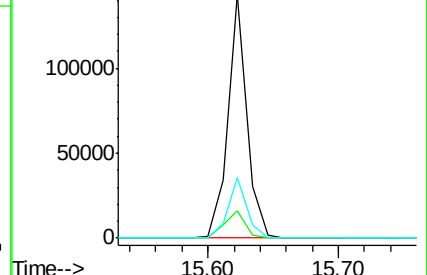
236 25.0 21.4 32.2

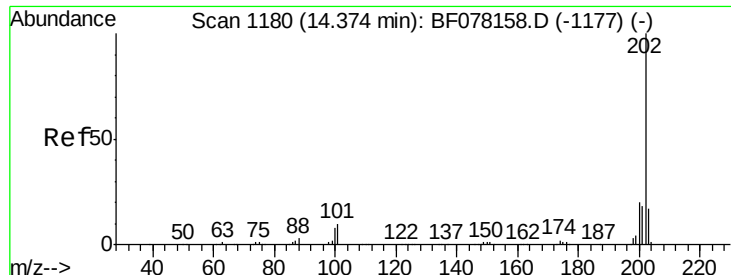


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 35.34 ng

RT: 14.13 min Scan# 1132

Delta R.T. 0.00 min

Lab File: BF078532.D

Acq: 15 Apr 2015 9:10

Instrument :

BNA_F

ClientSampleId :

SP-4DL

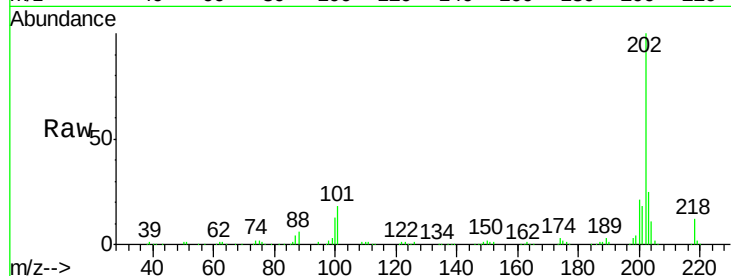
Tgt Ion: 202 Resp: 322584

Ion Ratio Lower Upper

202 100

200 21.3 16.3 24.5

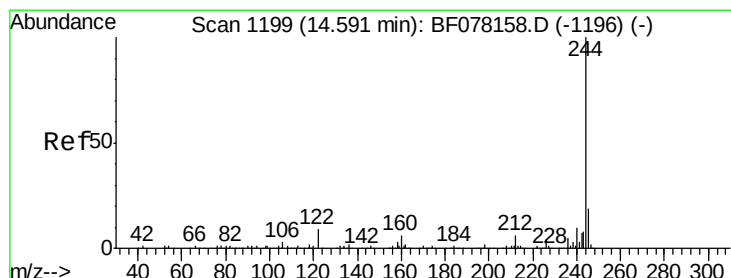
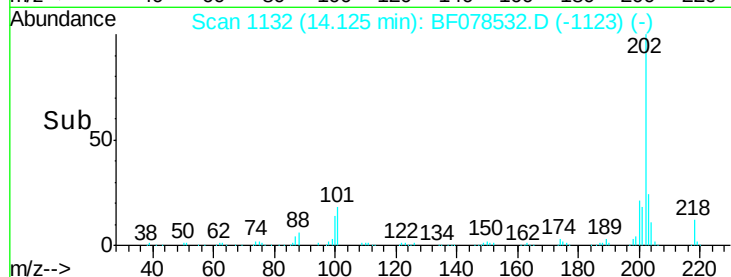
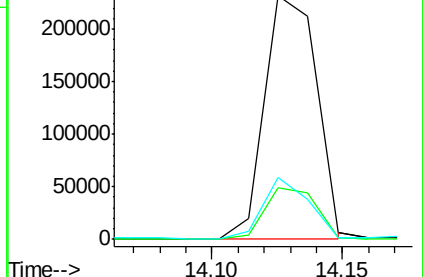
203 25.4 13.8 20.6#



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: 4.97 ng

RT: 14.35 min Scan# 1152

Delta R.T. 0.00 min

Lab File: BF078532.D

Acq: 15 Apr 2015 9:10

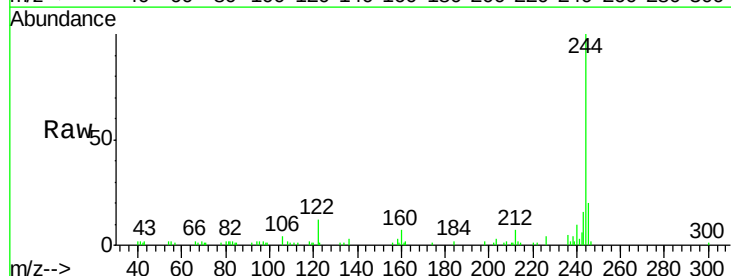
Tgt Ion: 244 Resp: 31953

Ion Ratio Lower Upper

244 100

212 6.5 5.0 7.4

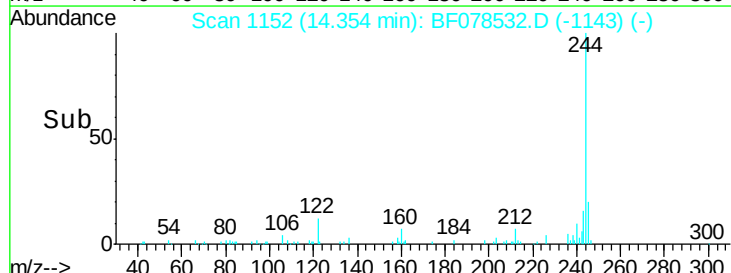
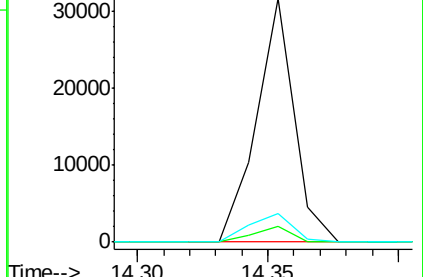
122 11.7 7.1 10.7#

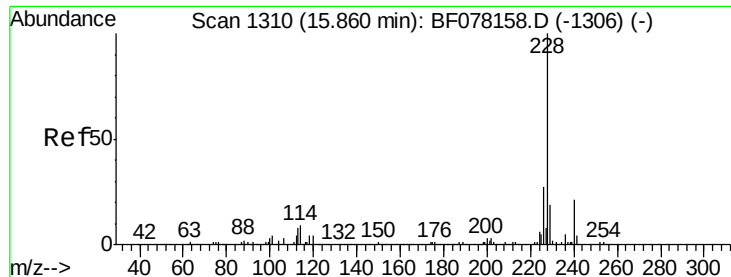


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 23.89 ng

RT: 15.61 min Scan# 1262

Delta R.T. -0.03 min

Lab File: BF078532.D

Acq: 15 Apr 2015 9:10

Instrument :

BNA_F

ClientSampleId :

SP-4DL

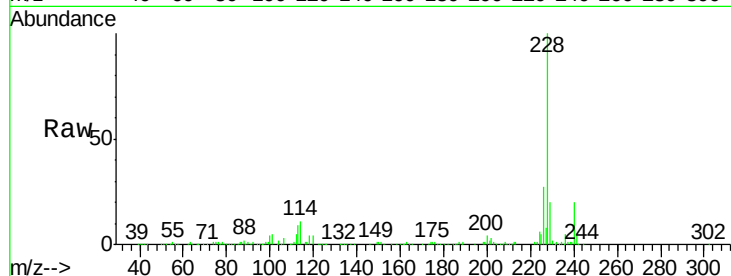
Tgt Ion:228 Resp: 206663

Ion Ratio Lower Upper

228 100

226 27.2 21.3 31.9

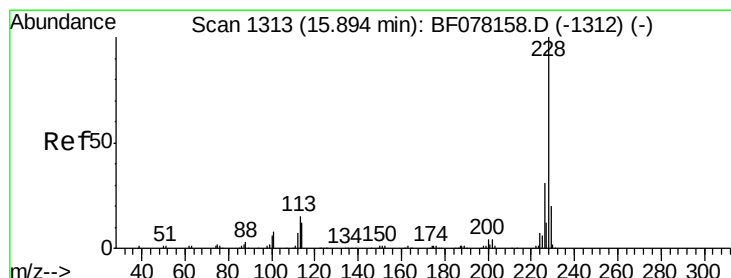
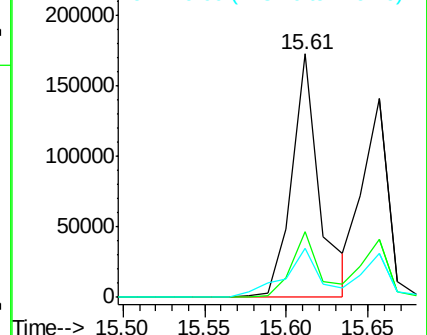
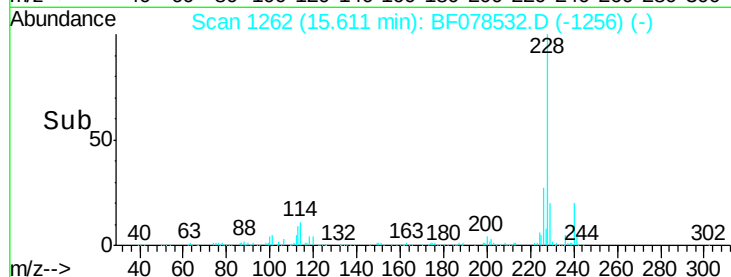
229 20.1 15.4 23.2



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 19.09 ng

RT: 15.66 min Scan# 1266

Delta R.T. -0.03 min

Lab File: BF078532.D

Acq: 15 Apr 2015 9:10

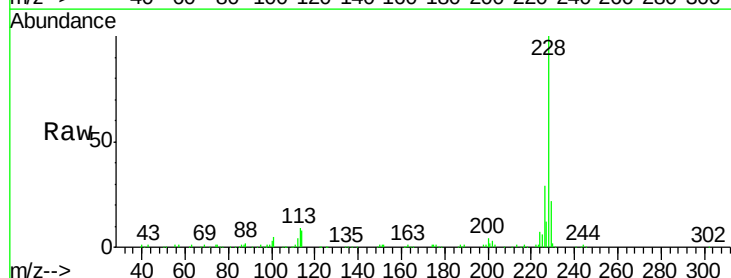
Tgt Ion:228 Resp: 155155

Ion Ratio Lower Upper

228 100

226 29.3 24.2 36.4

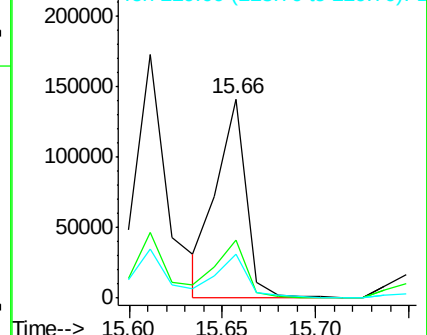
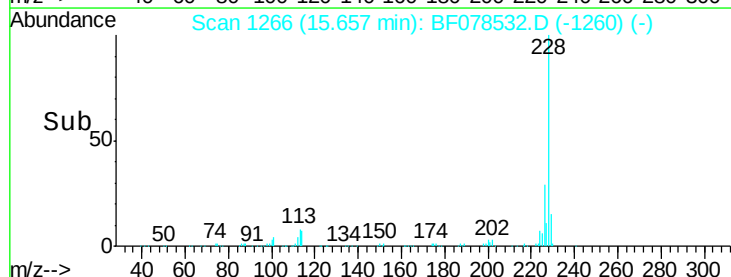
229 22.3 15.8 23.8

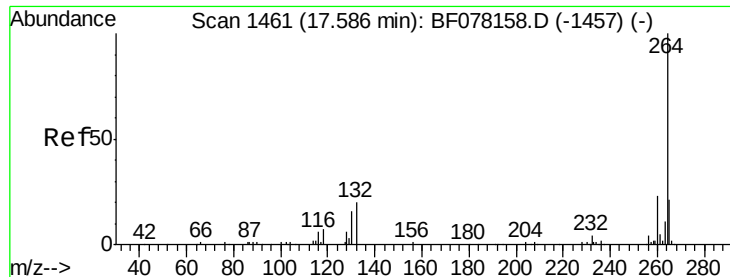


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

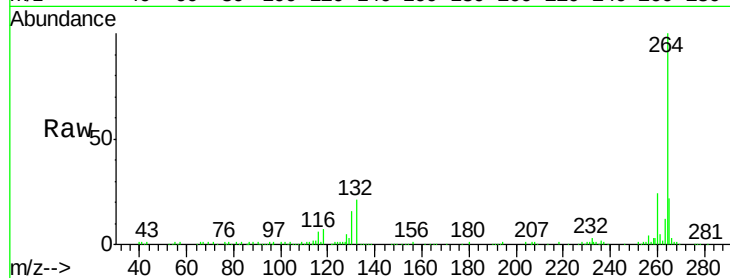




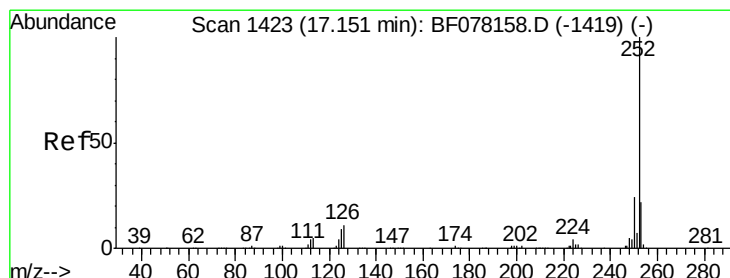
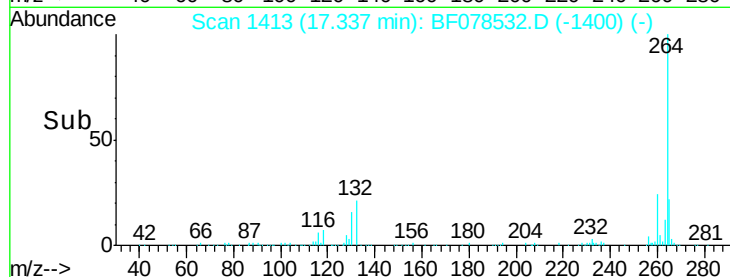
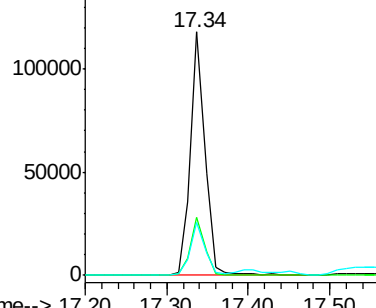
#86
Perylene-d12
Concen: 20.00 ng
RT: 17.34 min Scan# 1413
Delta R.T. -0.15 min
Lab File: BF078532.D
Acq: 15 Apr 2015 9:10

Instrument :
BNA_F
ClientSampleId :
SP-4DL

Tgt Ion: 264 Resp: 147142
Ion Ratio Lower Upper
264 100
260 23.8 18.6 27.8
265 22.0 17.0 25.6

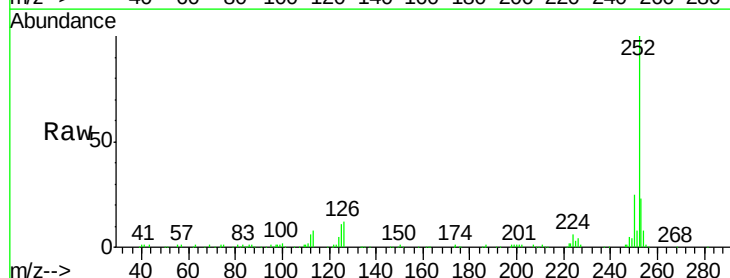


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

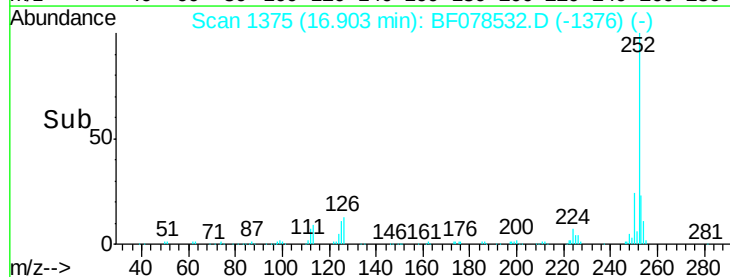
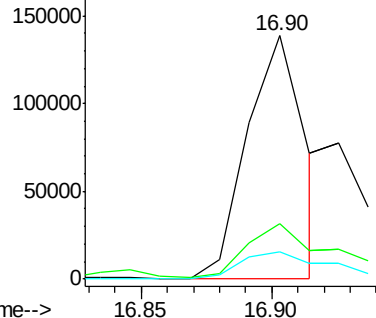


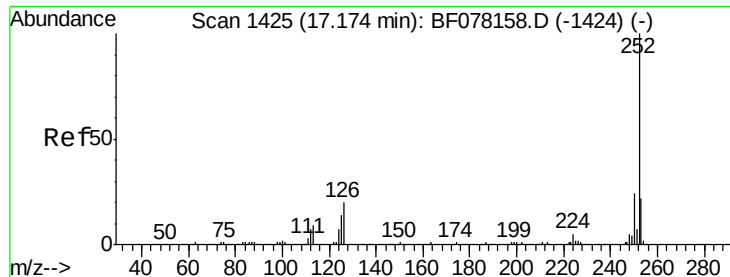
#87
Benzo(b)fluoranthene
Concen: 23.36 ng
RT: 16.90 min Scan# 1375
Delta R.T. -0.11 min
Lab File: BF078532.D
Acq: 15 Apr 2015 9:10

Tgt Ion: 252 Resp: 212412
Ion Ratio Lower Upper
252 100
253 22.6 17.2 25.8
125 11.4 7.0 10.4#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

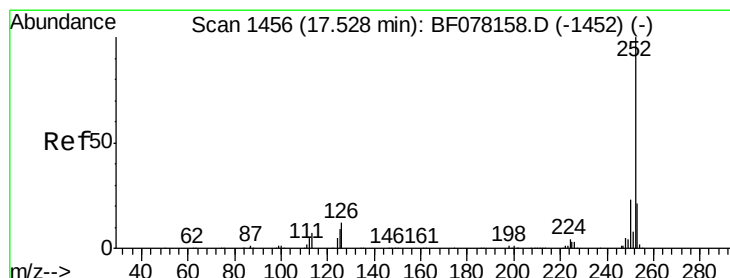
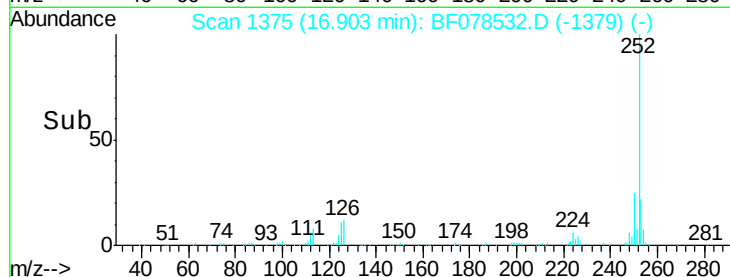
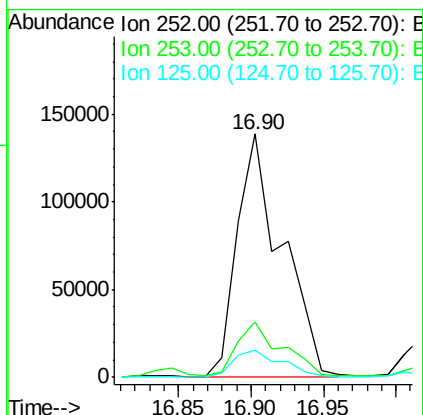
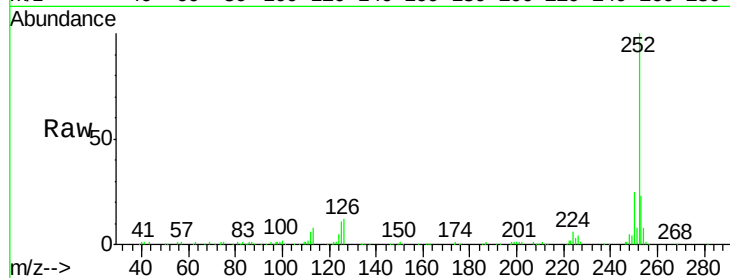




#88
Benzo(k)fluoranthene
Concen: 36.74 ng
RT: 16.90 min Scan# 1375
Delta R.T. -0.15 min
Lab File: BF078532.D
Acq: 15 Apr 2015 9:10

Instrument :
BNA_F
ClientSampleId :
SP-4DL

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.5	26.3
125	11.4	11.6	17.4#



#89
Benzo(a)pyrene
Concen: 18.75 ng
RT: 17.27 min Scan# 1407
Delta R.T. -0.15 min
Lab File: BF078532.D
Acq: 15 Apr 2015 9:10

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	16.8	25.2
125	14.4	7.4	11.0#

