

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051815\
 Data File : BF079337.D
 Acq On : 19 May 2015 7:19
 Operator : TP/IZ
 Sample : G2270-10
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-07

Quant Time: May 19 08:16:29 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 19 07:20:28 2015
 Response via : Initial Calibration

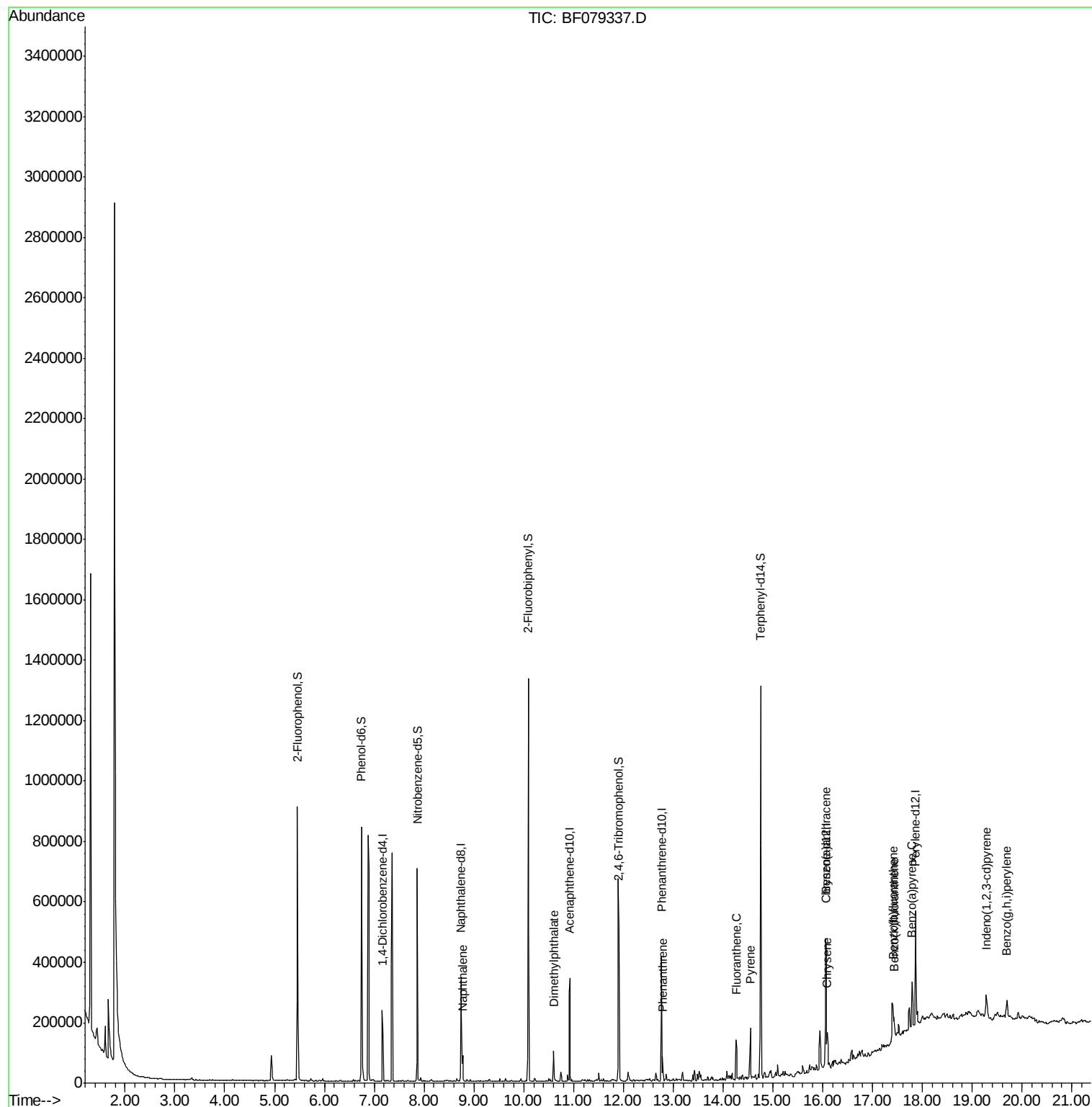
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.16	152	46081	20.00	ng	0.00
21) Naphthalene-d8	8.74	136	197004	20.00	ng	0.00
38) Acenaphthene-d10	10.92	164	98699	20.00	ng	0.01
63) Phenanthrene-d10	12.77	188	185194	20.00	ng	0.01
75) Chrysene-d12	16.07	240	186512	20.00	ng	0.01
86) Perylene-d12	17.86	264	192413	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	282505m	105.53	ng	0.01
7) Phenol-d6	6.74	99	383067	108.26	ng	0.00
23) Nitrobenzene-d5	7.86	82	217552	63.47	ng	0.00
41) 2,4,6-Tribromophenol	11.91	330	113867	106.64	ng	0.01
44) 2-Fluorobiphenyl	10.09	172	458728	64.75	ng	0.00
78) Terphenyl-d14	14.75	244	531643	68.24	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.78	128	45129	4.81	ng	97
49) Dimethylphthalate	10.60	163	56180	7.76	ng	97
70) Phenanthrene	12.79	178	33987	3.28	ng	99
74) Fluoranthene	14.26	202	74143	6.87	ng	99
77) Pyrene	14.55	202	79763	7.42	ng	98
80) Benzo(a)anthracene	16.06	228	63246m	6.19	ng	
82) Chrysene	16.09	228	57274	5.83	ng	97
85) Indeno(1,2,3-cd)pyrene	19.28	276	50036	4.00	ng	94
87) Benzo(b)fluoranthene	17.41	252	86064m	8.17	ng	
88) Benzo(k)fluoranthene	17.43	252	32319m	3.17	ng	
89) Benzo(a)pyrene	17.79	252	68488	7.06	ng	# 95
91) Benzo(a,h,i)perylene	19.69	276	47145	4.56	ng	# 92

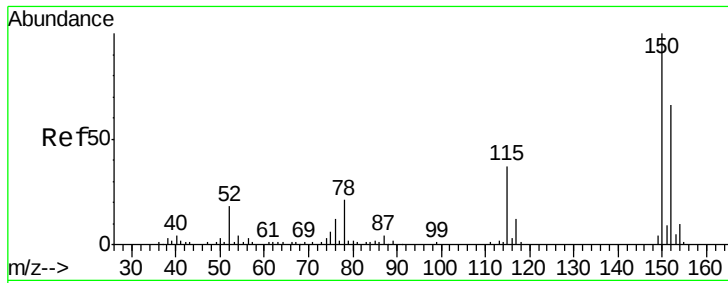
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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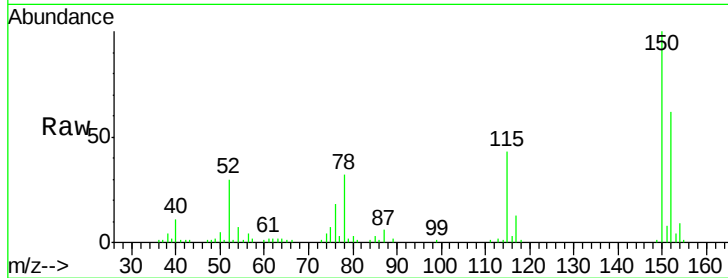




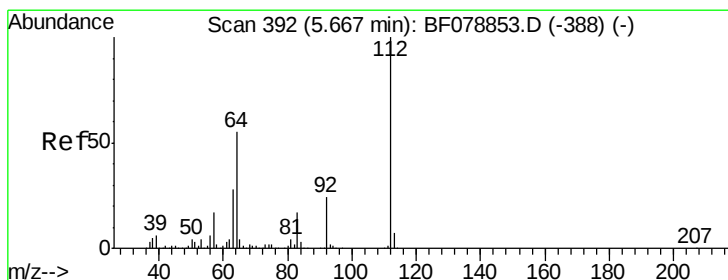
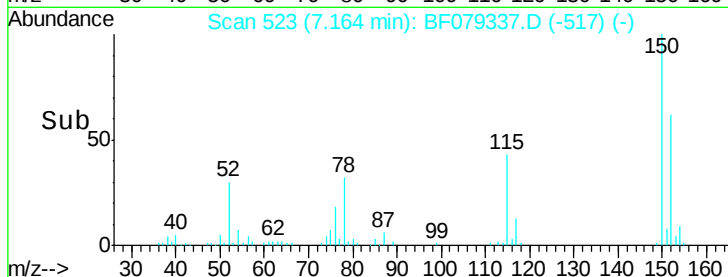
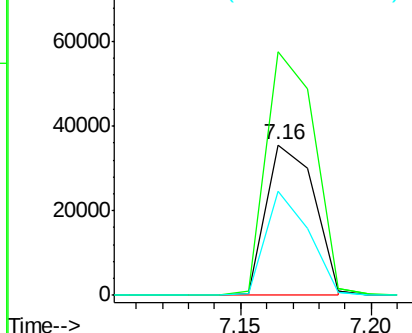
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.16 min Scan# 523
 Delta R.T. -0.00 min
 Lab File: BF079337.D
 Acq: 19 May 2015 7:19

Instrument :
 BNA_F
 ClientSampleId :
 SB-07

Tot Ion:	152	Resp:	46081
Ion	Ratio	Lower	Upper
152	100		
150	161.9	123.8	185.8
115	68.8	49.4	74.0



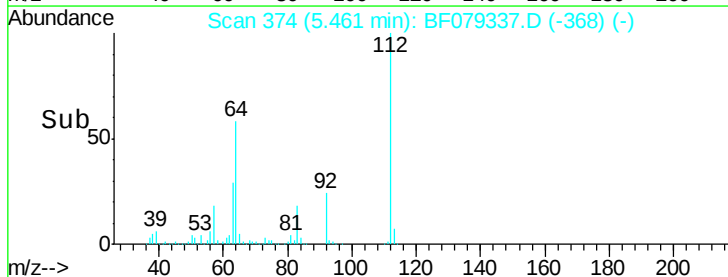
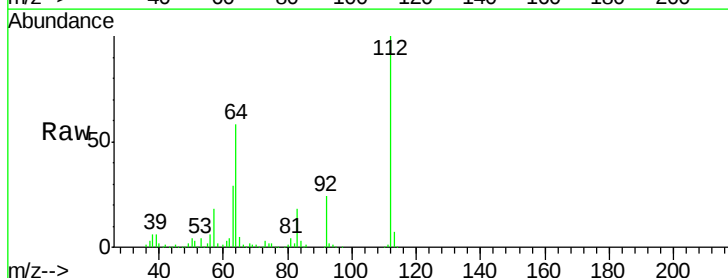
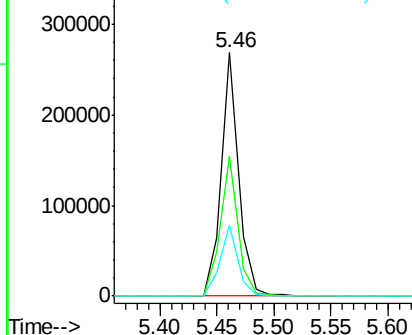
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



#5
 2-Fluorophenol
 Concen: 105.53 ng m
 RT: 5.46 min Scan# 374
 Delta R.T. 0.01 min
 Lab File: BF079337.D
 Acq: 19 May 2015 7:19

Tgt Ion:	112	Resp:	282505
Ion	Ratio	Lower	Upper
112	100		
64	57.7	44.2	66.2
63	29.3	22.7	34.1

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: 108.26 ng

RT: 6.74 min Scan# 486

Delta R.T. -0.00 min

Lab File: BF079337.D

Acq: 19 May 2015 7:19

Instrument :

BNA_F

ClientSampleId :

SB-07

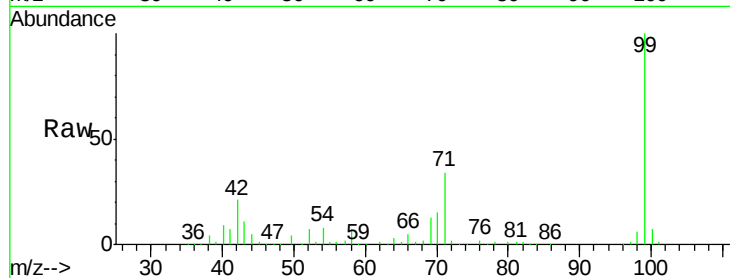
Tot Ion: 99 Resp: 383067

Ion Ratio Lower Upper

99 100

42 21.0 17.1 25.7

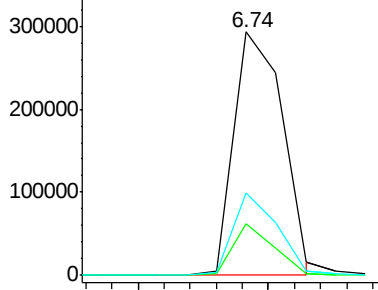
71 34.0 26.3 39.5



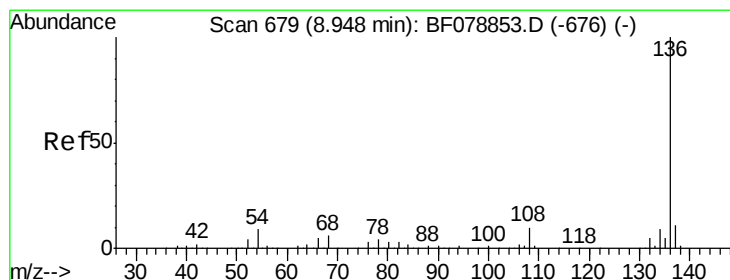
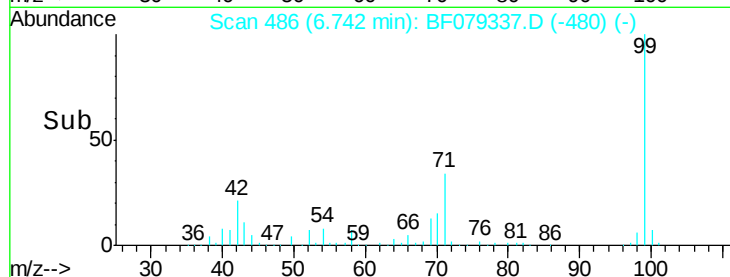
Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



Time-->



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.74 min Scan# 661

Delta R.T. -0.00 min

Lab File: BF079337.D

Acq: 19 May 2015 7:19

Tgt Ion: 136 Resp: 197004

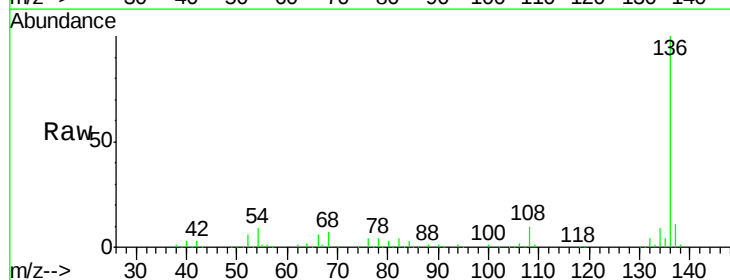
Ion Ratio Lower Upper

136 100

137 11.0 8.8 13.2

54 9.1 6.9 10.3

68 6.6 4.9 7.3

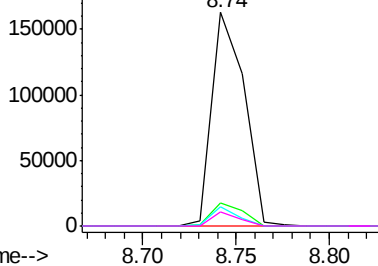


Abundance Ion 136.00 (135.70 to 136.70): E

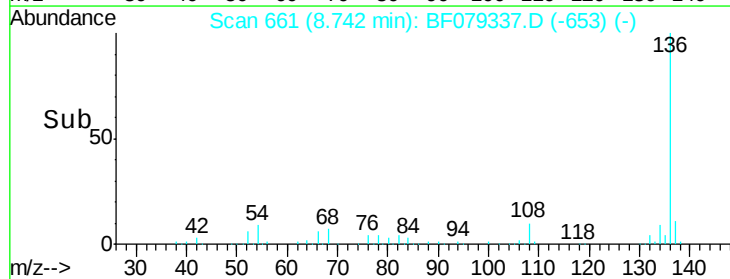
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->





#23

Nitrobenzene-d5

Concen: 63.47 ng

RT: 7.86 min Scan# 584

Delta R.T. -0.00 min

Lab File: BF079337.D

Acq: 19 May 2015 7:19

Instrument :

BNA_F

ClientSampleId :

SB-07

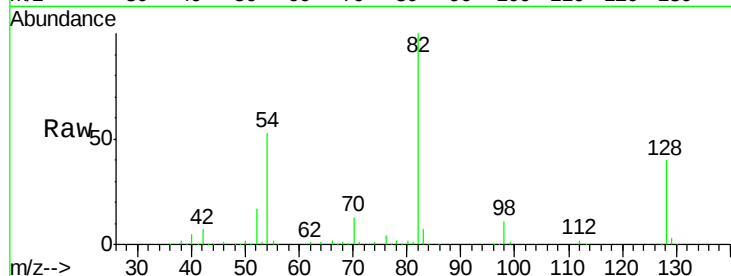
Tot Ion: 82 Resp: 217552

Ion Ratio Lower Upper

82 100

128 40.2 29.7 44.5

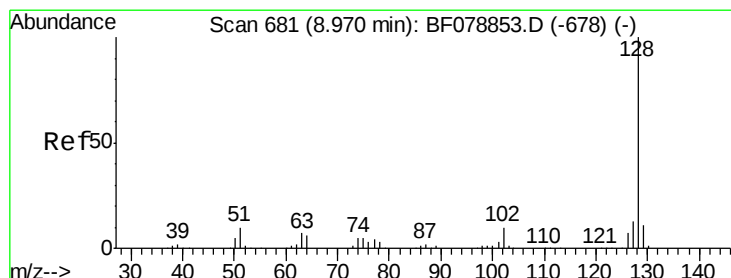
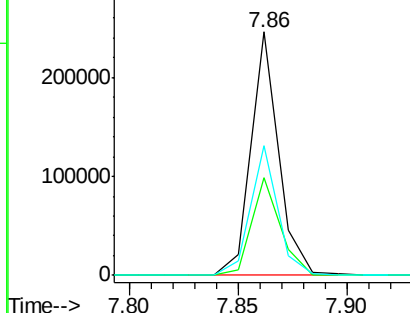
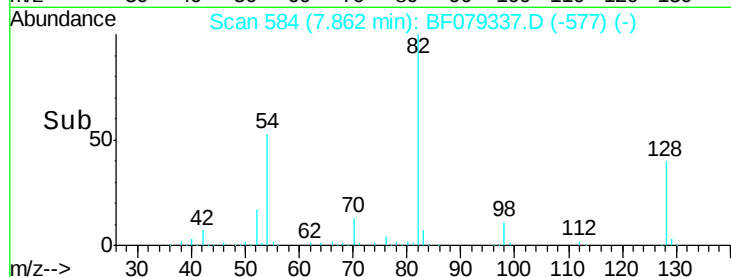
54 53.5 46.2 69.4



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



#31

Naphthalene

Concen: 4.81 ng

RT: 8.78 min Scan# 664

Delta R.T. 0.01 min

Lab File: BF079337.D

Acq: 19 May 2015 7:19

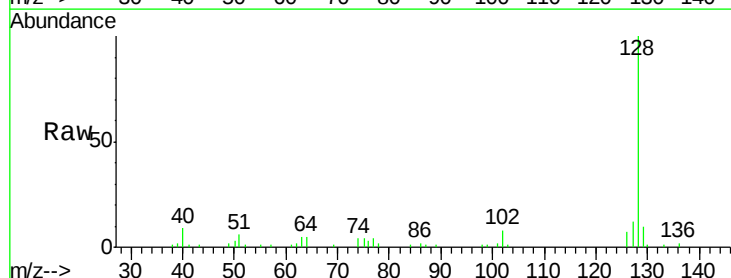
Tgt Ion: 128 Resp: 45129

Ion Ratio Lower Upper

128 100

129 10.1 9.2 13.8

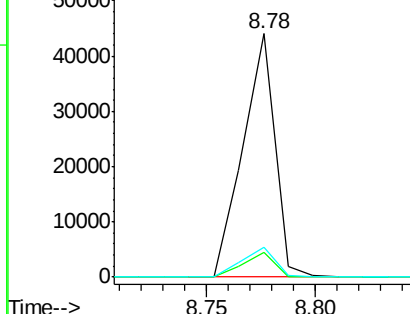
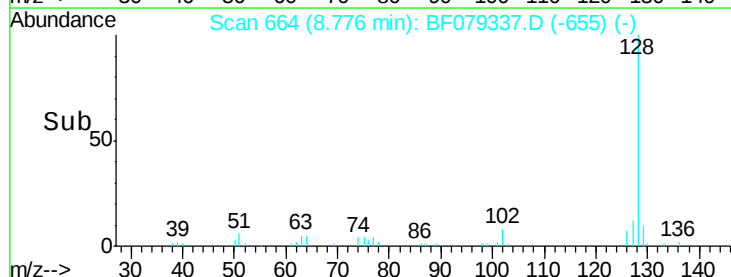
127 12.3 10.3 15.5

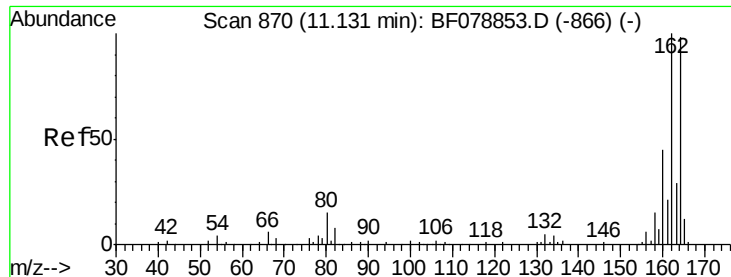


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 10.92 min Scan# 852

Delta R.T. 0.01 min

Lab File: BF079337.D

Acq: 19 May 2015 7:19

Instrument :

BNA_F

ClientSampleId :

SB-07

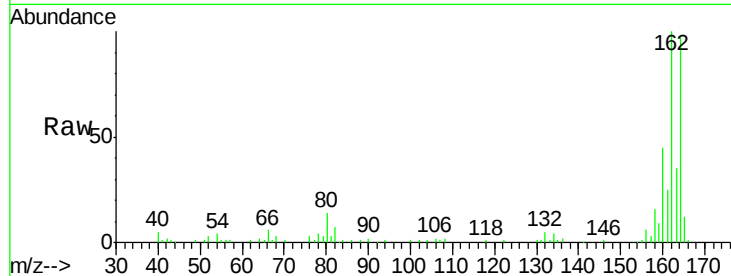
Tot Ion:164 Resp: 98699

Ion Ratio Lower Upper

164 100

162 103.5 81.4 122.0

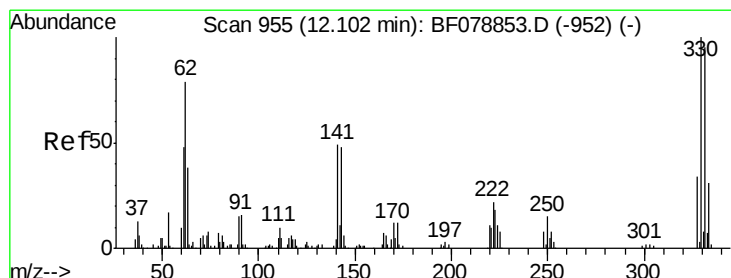
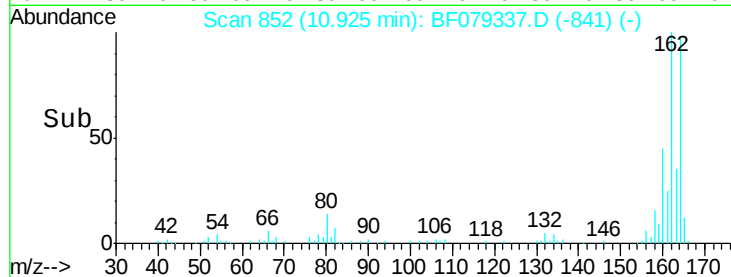
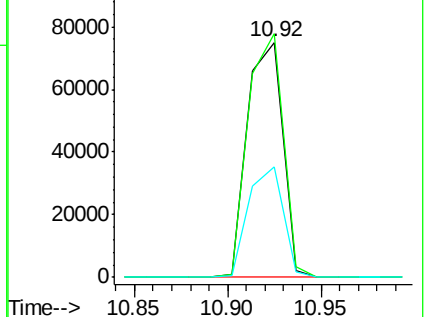
160 46.9 36.6 54.8



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 106.64 ng

RT: 11.91 min Scan# 938

Delta R.T. 0.01 min

Lab File: BF079337.D

Acq: 19 May 2015 7:19

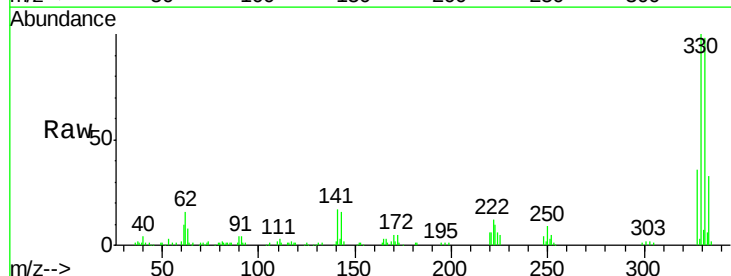
Tgt Ion:330 Resp: 113867

Ion Ratio Lower Upper

330 100

332 97.7 76.9 115.3

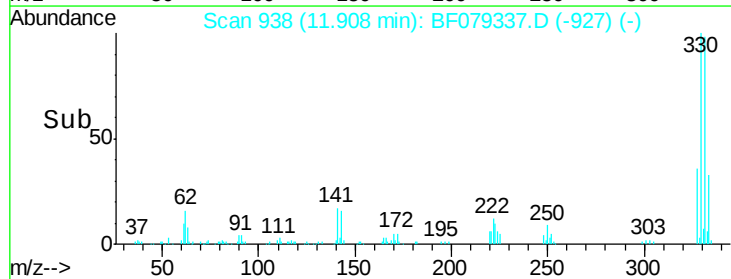
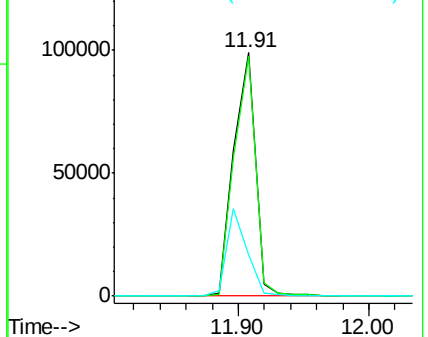
141 34.3 27.8 41.8



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

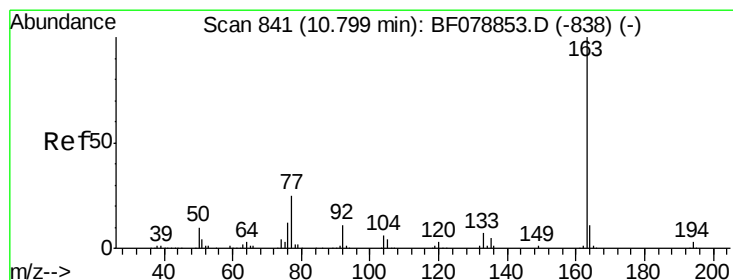
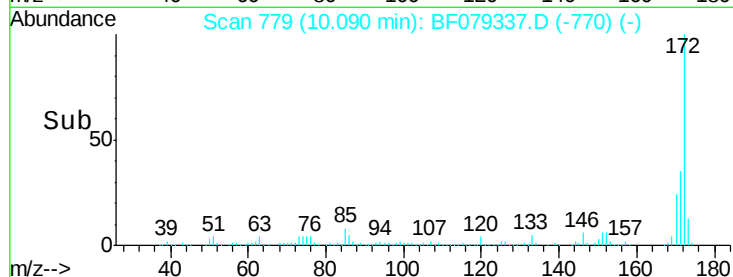
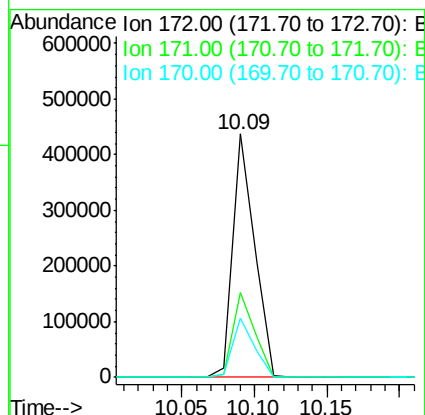
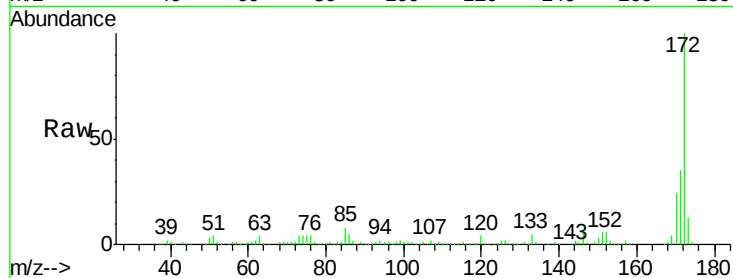




#44
2-Fluorobiphenyl
Concen: 64.75 ng
RT: 10.09 min Scan# 779
Delta R.T. -0.00 min
Lab File: BF079337.D
Acq: 19 May 2015 7:19

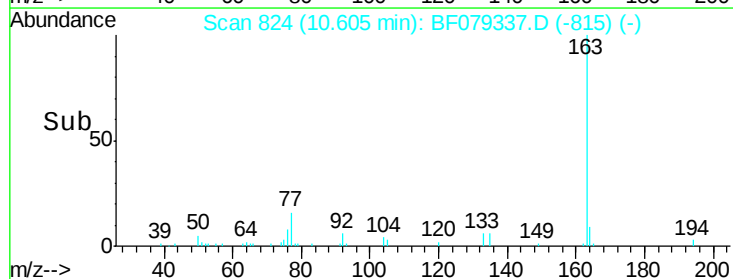
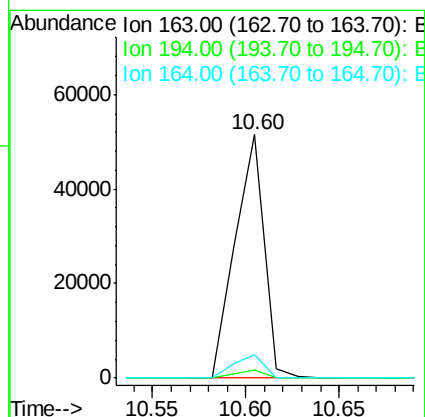
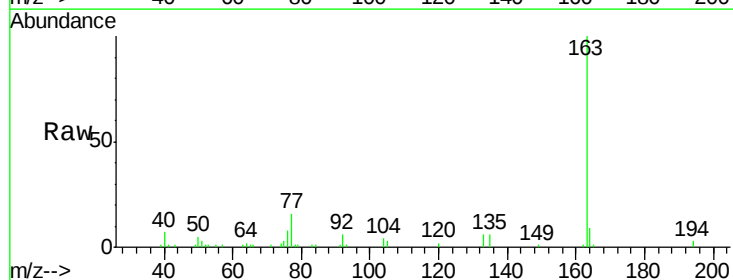
Instrument :
BNA_F
ClientSampleId :
SB-07

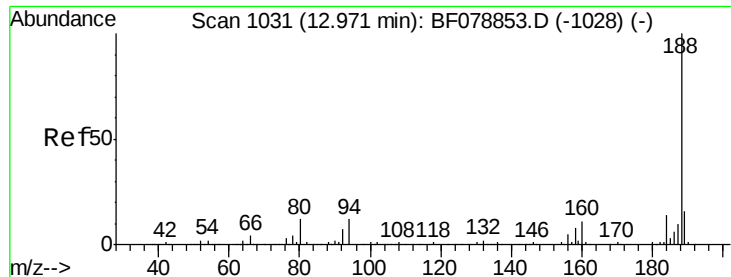
Tot Ion:172 Resp: 458728
Ion Ratio Lower Upper
172 100
171 34.9 28.3 42.5
170 24.1 19.4 29.2



#49
Dimethylphthalate
Concen: 7.76 ng
RT: 10.60 min Scan# 824
Delta R.T. -0.00 min
Lab File: BF079337.D
Acq: 19 May 2015 7:19

Tgt Ion:163 Resp: 56180
Ion Ratio Lower Upper
163 100
194 3.4 2.4 3.6
164 9.5 8.6 12.8

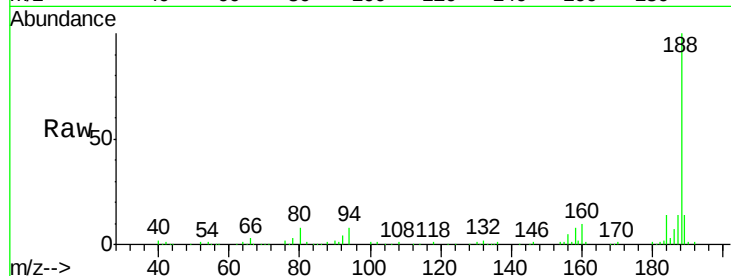




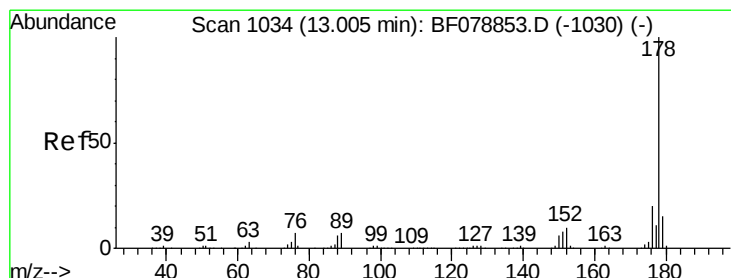
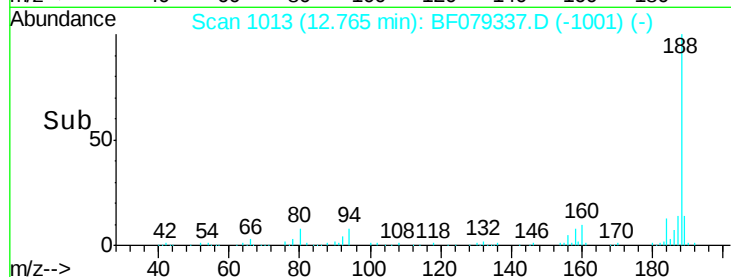
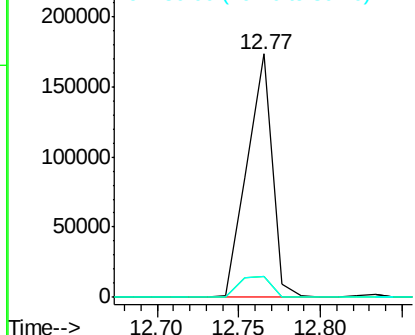
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.77 min Scan# 1013
Delta R.T. 0.01 min
Lab File: BF079337.D
Acq: 19 May 2015 7:19

Instrument :
BNA_F
ClientSampleId :
SB-07

Tot Ion:188 Resp: 185194
Ion Ratio Lower Upper
188 100
94 8.4 9.4 14.0#
80 8.5 9.8 14.6#

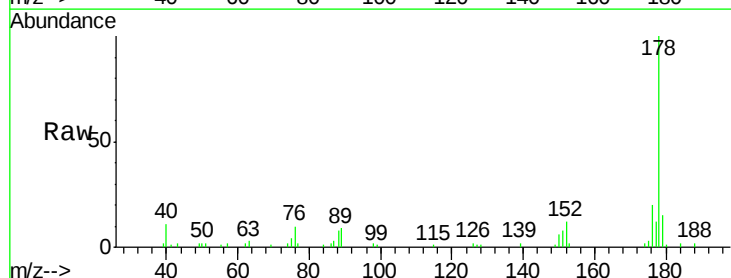


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

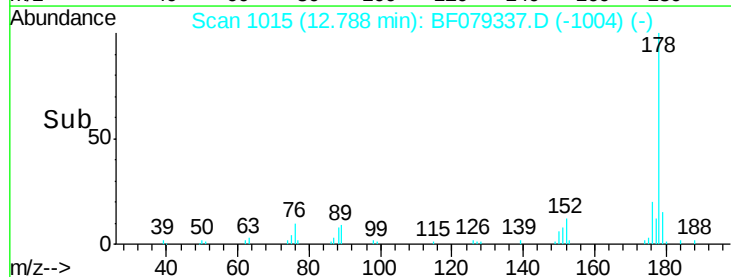
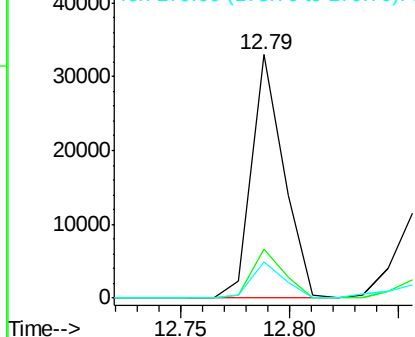


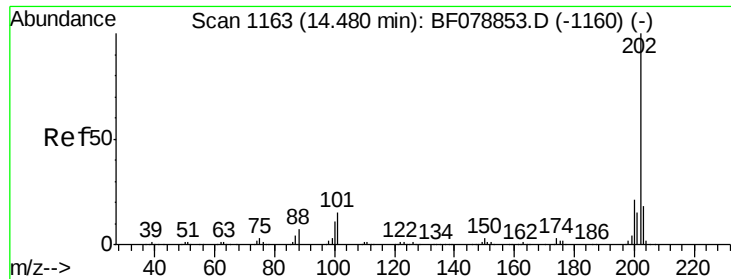
#70
Phenanthrene
Concen: 3.28 ng
RT: 12.79 min Scan# 1015
Delta R.T. -0.00 min
Lab File: BF079337.D
Acq: 19 May 2015 7:19

Tgt Ion:178 Resp: 33987
Ion Ratio Lower Upper
178 100
176 20.4 15.9 23.9
179 14.9 12.2 18.4



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





#74

Fluoranthene

Concen: 6.87 ng

RT: 14.26 min Scan# 1144

Delta R.T. -0.00 min

Lab File: BF079337.D

Acq: 19 May 2015 7:19

Instrument :

BNA_F

ClientSampleId :

SB-07

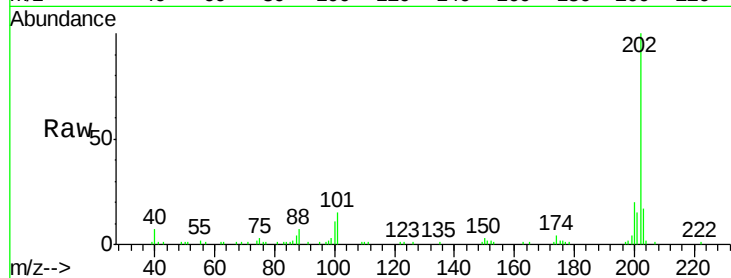
Tot Ion:202 Resp: 74143

Ion Ratio Lower Upper

202 100

101 15.3 0.0 34.7

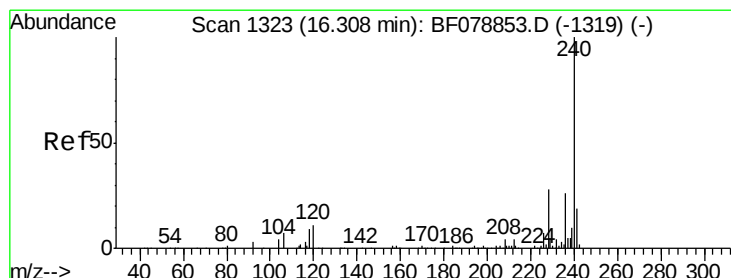
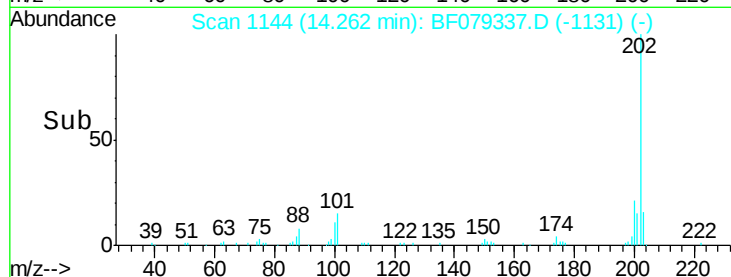
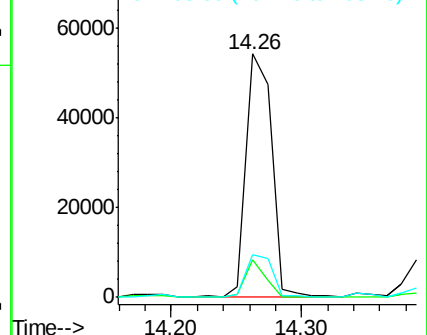
203 17.3 0.0 37.9



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: 16.07 min Scan# 1302

Delta R.T. 0.01 min

Lab File: BF079337.D

Acq: 19 May 2015 7:19

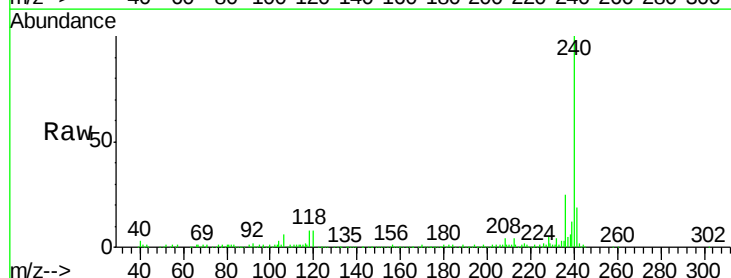
Tgt Ion:240 Resp: 186512

Ion Ratio Lower Upper

240 100

120 8.5 8.6 12.8#

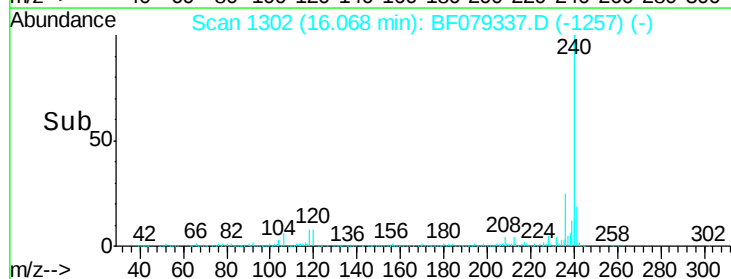
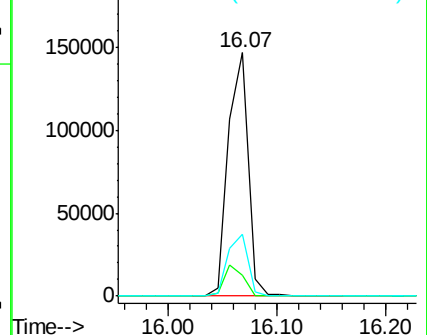
236 25.4 21.0 31.6

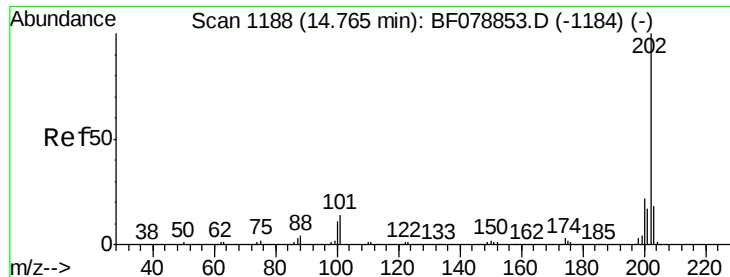


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 7.42 ng

RT: 14.55 min Scan# 1169

Delta R.T. 0.01 min

Lab File: BF079337.D

Acq: 19 May 2015 7:19

Instrument :

BNA_F

ClientSampleId :

SB-07

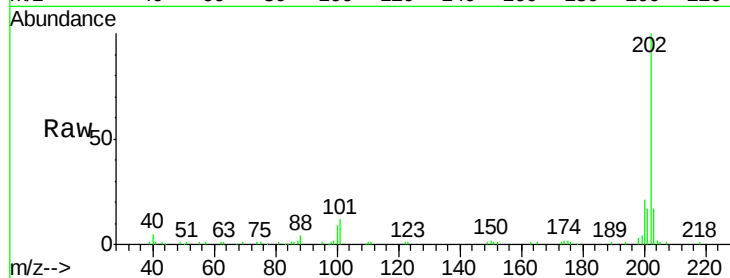
Tot Ion:202 Resp: 79763

Ion Ratio Lower Upper

202 100

200 21.3 17.5 26.3

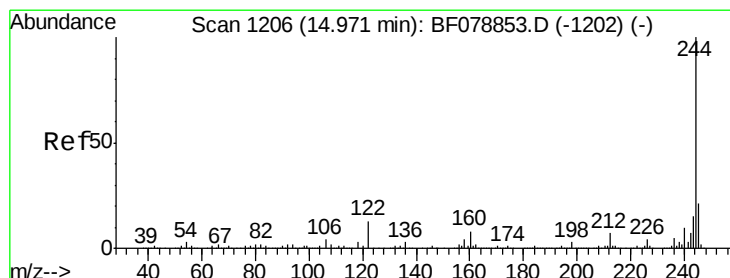
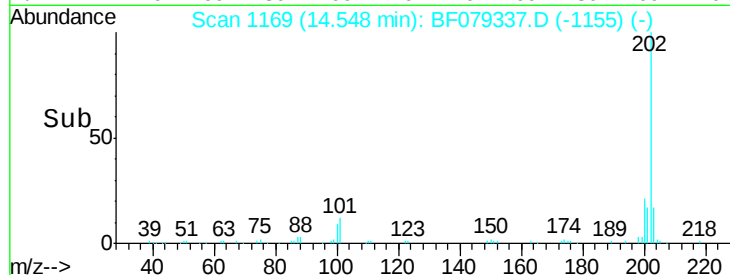
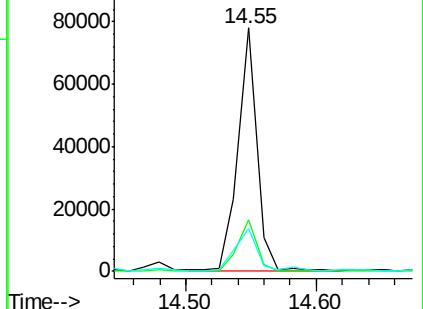
203 17.5 14.7 22.1



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: 68.24 ng

RT: 14.75 min Scan# 1187

Delta R.T. -0.00 min

Lab File: BF079337.D

Acq: 19 May 2015 7:19

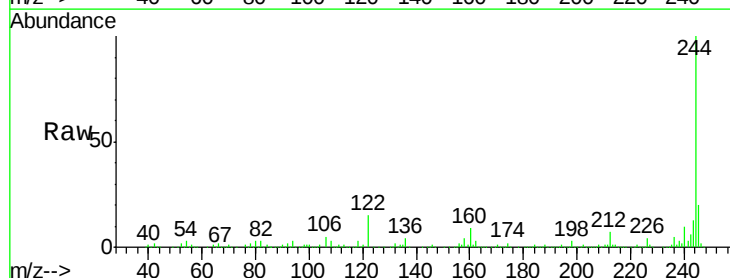
Tgt Ion:244 Resp: 531643

Ion Ratio Lower Upper

244 100

212 7.1 5.6 8.4

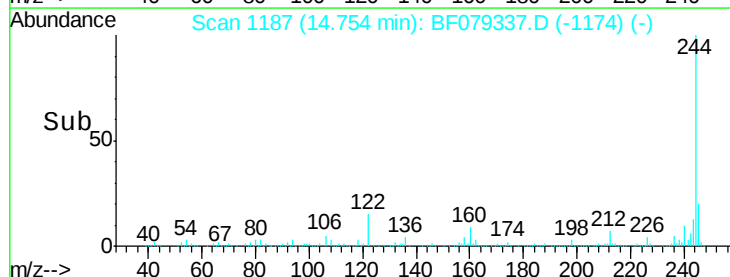
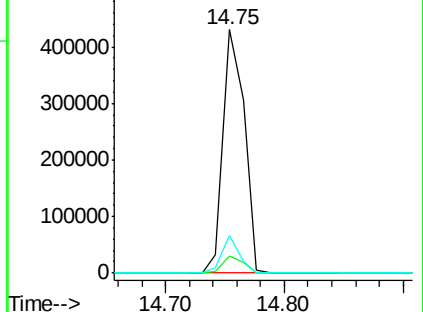
122 15.2 10.5 15.7

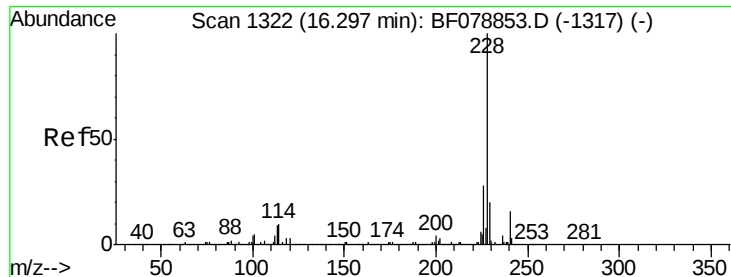


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 6.19 ng/mL

RT: 16.06 min Scan# 1301

Delta R.T. 0.01 min

Lab File: BF079337.D

Acq: 19 May 2015 7:19

Instrument :

BNA_F

ClientSampleId :

SB-07

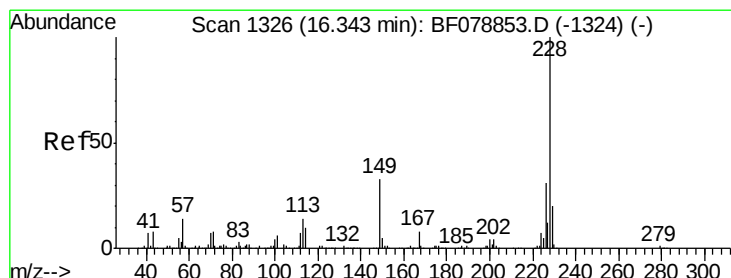
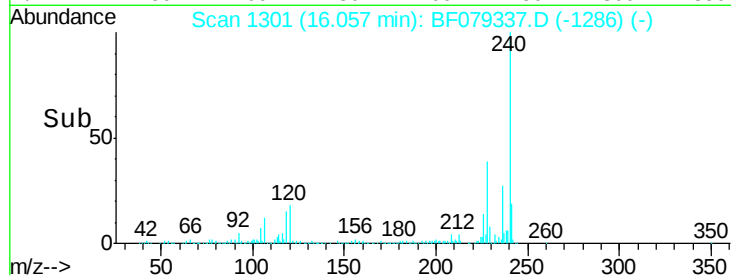
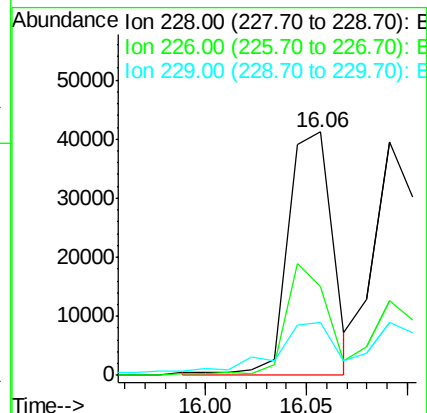
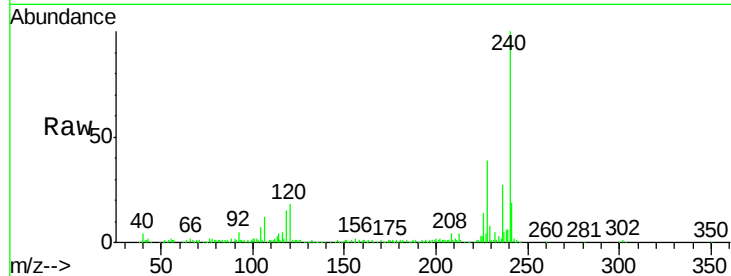
Tot Ion:228 Resp: 63246

Ion Ratio Lower Upper

228 100

226 36.3 22.3 33.5#

229 21.5 16.1 24.1



#82

Chrysene

Concen: 5.83 ng/mL

RT: 16.09 min Scan# 1304

Delta R.T. -0.00 min

Lab File: BF079337.D

Acq: 19 May 2015 7:19

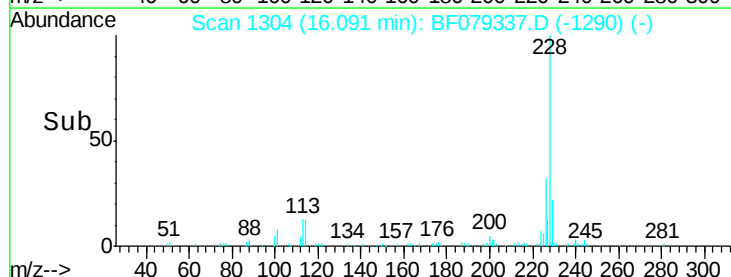
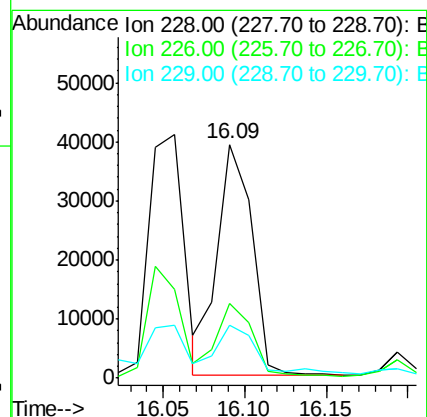
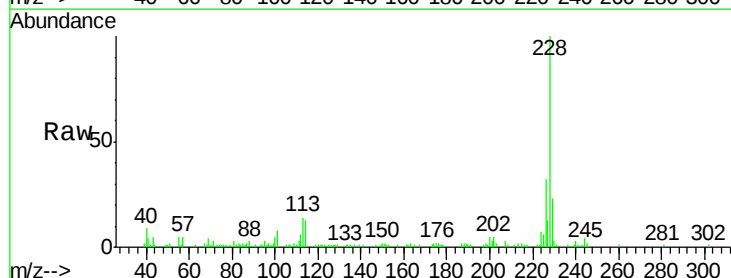
Tgt Ion:228 Resp: 57274

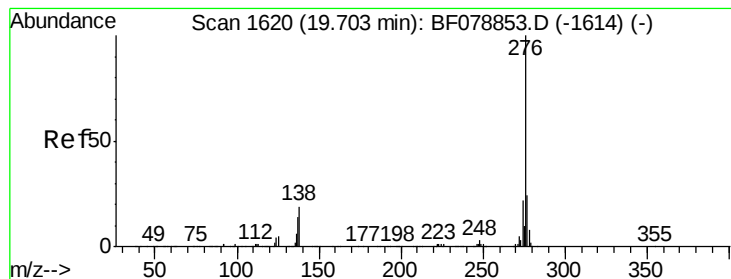
Ion Ratio Lower Upper

228 100

226 32.0 24.8 37.2

229 22.6 16.1 24.1





#85

Indeno(1,2,3-cd)pyrene

Concen: 4.00 ng

RT: 19.28 min Scan# 1583

Delta R.T. 0.01 min

Lab File: BF079337.D

Acq: 19 May 2015 7:19

Instrument :

BNA_F

ClientSampleId :

SB-07

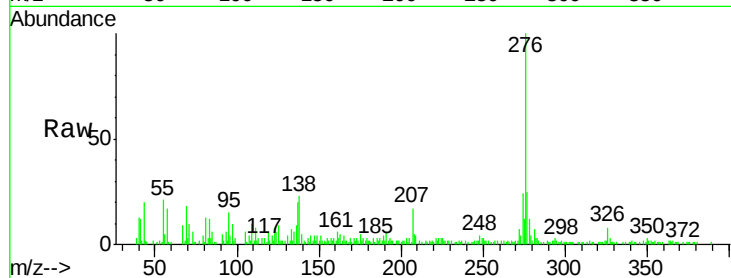
Tot Ion:276 Resp: 50036

Ion Ratio Lower Upper

276 100

138 22.5 21.1 31.7

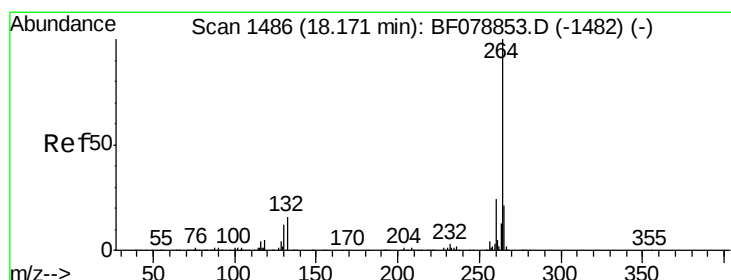
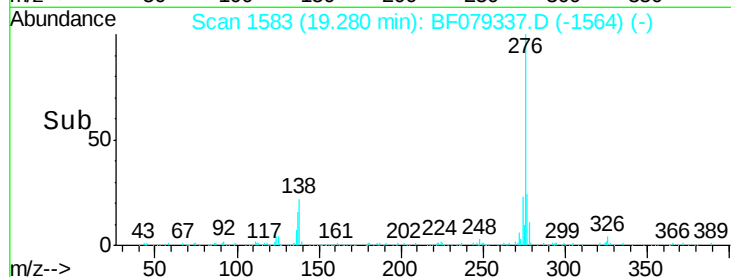
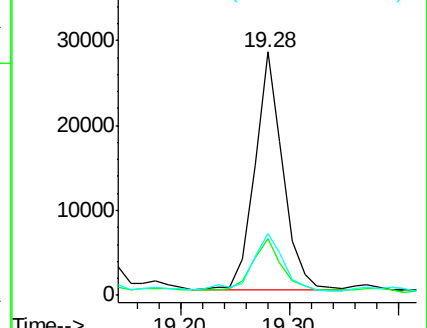
277 26.8 19.9 29.9



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 17.86 min Scan# 1459

Delta R.T. 0.01 min

Lab File: BF079337.D

Acq: 19 May 2015 7:19

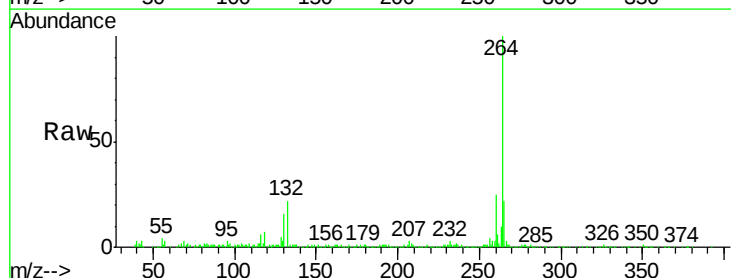
Tgt Ion:264 Resp: 192413

Ion Ratio Lower Upper

264 100

260 24.8 19.2 28.8

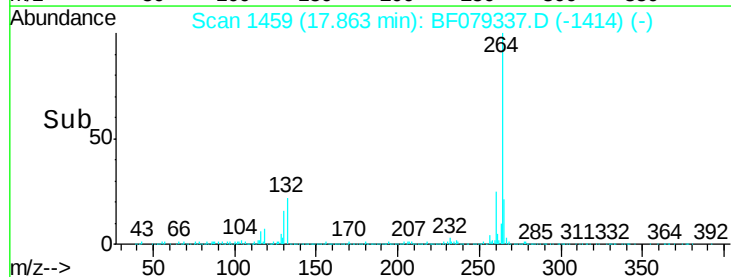
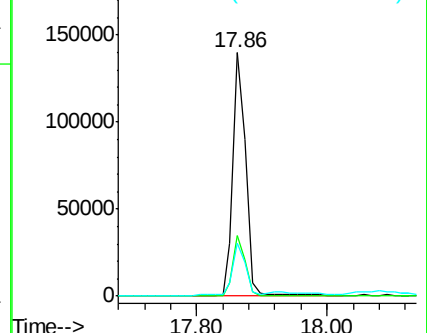
265 21.7 17.2 25.8

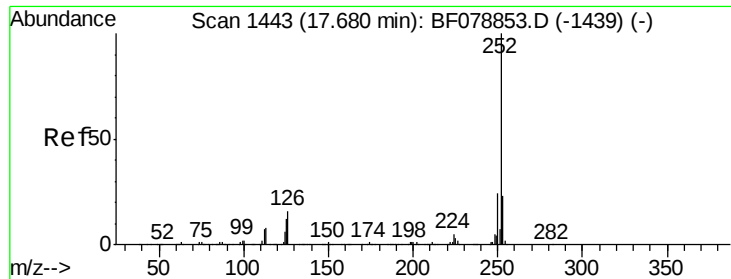


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 8.17 ng m

RT: 17.41 min Scan# 1419

Delta R.T. 0.01 min

Lab File: BF079337.D

Acq: 19 May 2015 7:19

Instrument :

BNA_F

ClientSampleId :

SB-07

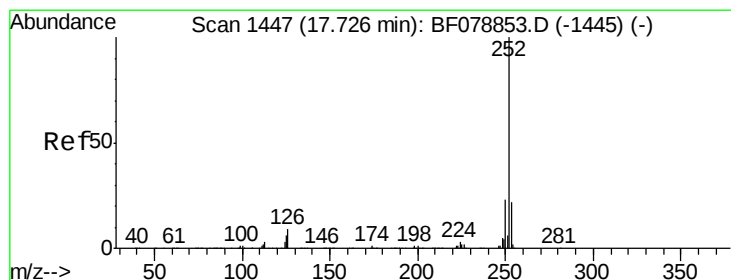
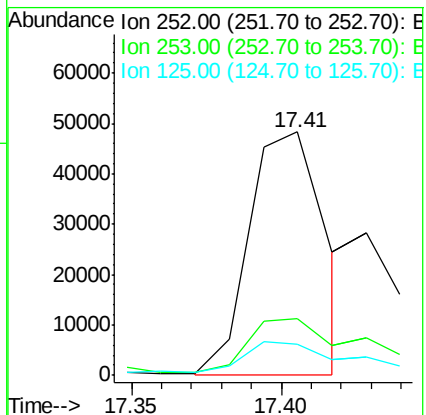
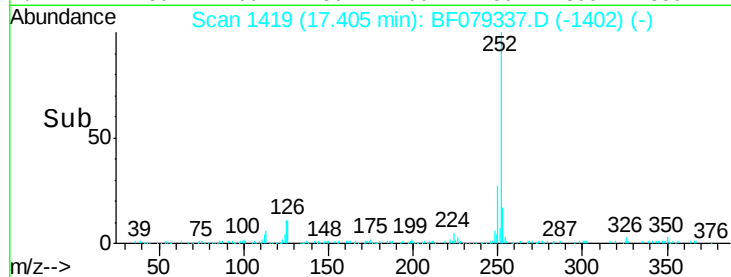
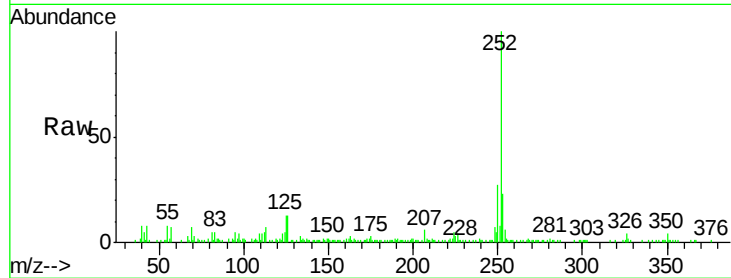
Tot Ion:252 Resp: 86064

Ion Ratio Lower Upper

252 100

253 23.5 18.1 27.1

125 12.7 9.4 14.2



#88

Benzo(k)fluoranthene

Concen: 3.17 ng m

RT: 17.43 min Scan# 1421

Delta R.T. -0.00 min

Lab File: BF079337.D

Acq: 19 May 2015 7:19

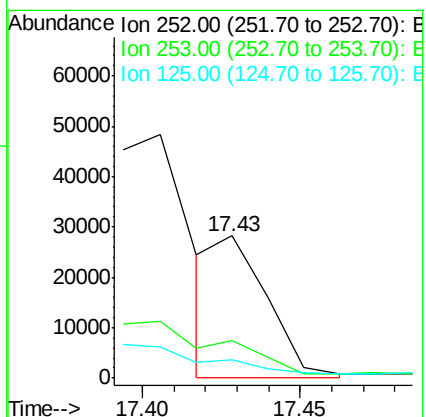
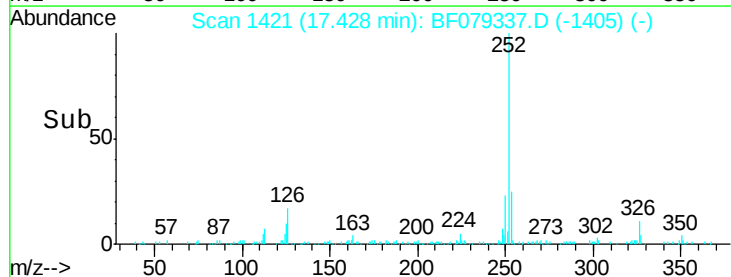
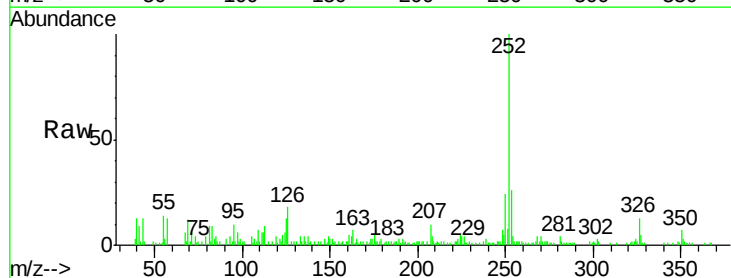
Tgt Ion:252 Resp: 32319

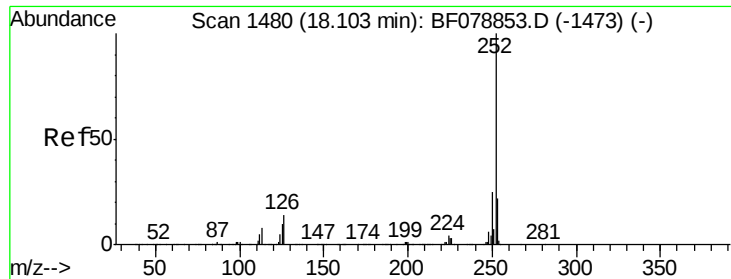
Ion Ratio Lower Upper

252 100

253 26.4 17.4 26.0#

125 13.2 6.1 9.1#





#89

Benzo(a)pyrene

Concen: 7.06 ng

RT: 17.79 min Scan# 1453

Delta R.T. -0.00 min

Lab File: BF079337.D

Acq: 19 May 2015 7:19

Instrument :

BNA_F

ClientSampleId :

SB-07

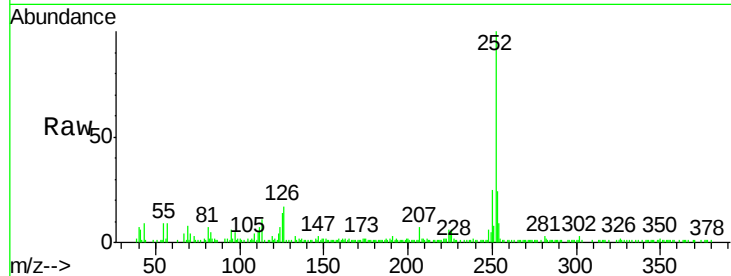
Tot Ion:252 Resp: 68488

Ion Ratio Lower Upper

252 100

253 24.1 18.0 27.0

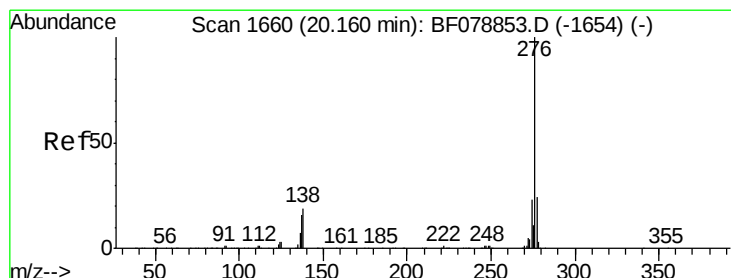
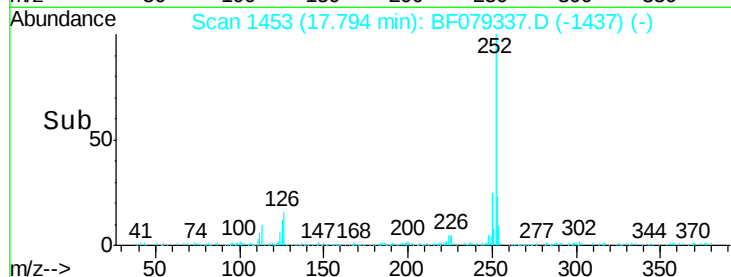
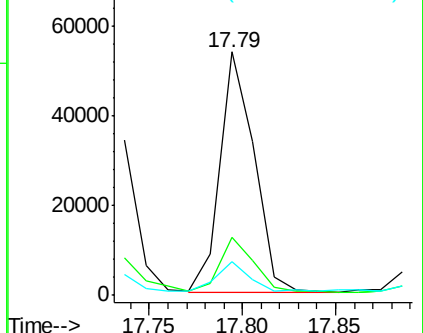
125 13.6 8.2 12.2#



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



#91

Benzo(g,h,i)perylene

Concen: 4.56 ng

RT: 19.69 min Scan# 1619

Delta R.T. -0.00 min

Lab File: BF079337.D

Acq: 19 May 2015 7:19

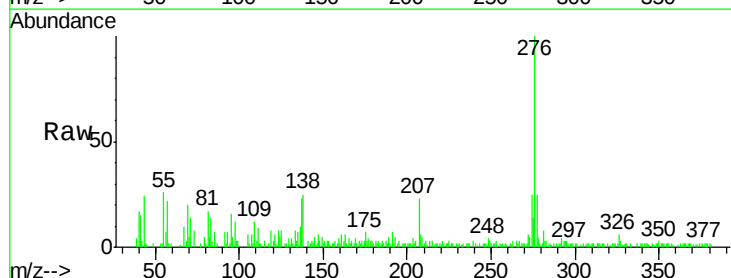
Tgt Ion:276 Resp: 47145

Ion Ratio Lower Upper

276 100

277 25.0 18.8 28.2

138 24.9 15.2 22.8#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

