

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051215\
 Data File : BF079158.D
 Acq On : 12 May 2015 15:27
 Operator : TP/IZ
 Sample : G2155-07
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-44AS

Quant Time: May 13 11:40:56 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 13 00:53:14 2015
 Response via : Initial Calibration

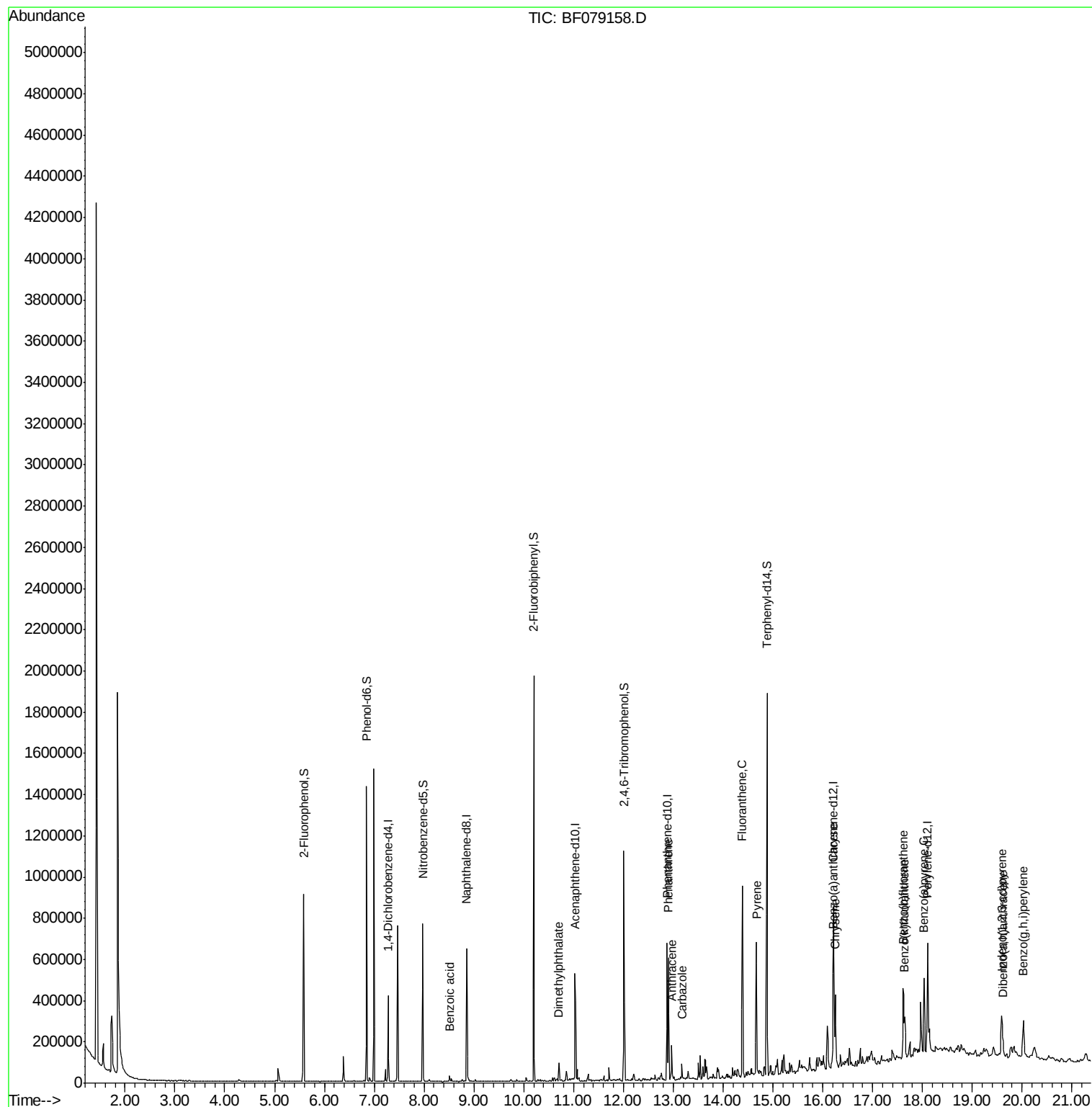
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.28	152	65275	20.00	ng	0.00
21) Naphthalene-d8	8.86	136	283848	20.00	ng	0.00
38) Acenaphthene-d10	11.03	164	137345	20.00	ng	-0.01
63) Phenanthrene-d10	12.88	188	267492	20.00	ng	0.00
75) Chrysene-d12	16.22	240	273774	20.00	ng	0.02
86) Perylene-d12	18.10	264	300498	20.00	ng	0.08
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	386164	101.84	ng	0.01
7) Phenol-d6	6.84	99	486922	97.14	ng	0.00
23) Nitrobenzene-d5	7.98	82	294448	59.62	ng	0.00
41) 2,4,6-Tribromophenol	12.01	330	145772	98.11	ng	0.00
44) 2-Fluorobiphenyl	10.20	172	594324	60.29	ng	0.00
78) Terphenyl-d14	14.88	244	673881	58.93	ng	0.00
Target Compounds						Qvalue
32) Benzoic acid	8.51	122	6273	8.46	ng	94
49) Dimethylphthalate	10.71	163	35663	3.54	ng	100
70) Phenanthrene	12.90	178	273471	18.27	ng	100
71) Anthracene	12.97	178	66835	4.55	ng	98
72) Carbazole	13.18	167	31437	2.25	ng	99
74) Fluoranthene	14.39	202	403556	25.88	ng	95
77) Pyrene	14.67	202	362674	22.99	ng	98
80) Benzo(a)anthracene	16.21	228	196346	13.10	ng	97
82) Chrysene	16.25	228	172681	11.98	ng	98
85) Indeno(1,2,3-cd)pyrene	19.59	276	150898	8.21	ng	# 100
87) Benzo(b)fluoranthene	17.61	252	236478m	14.38	ng	
88) Benzo(k)fluoranthene	17.65	252	96780m	6.08	ng	
89) Benzo(a)pyrene	18.03	252	183126	12.09	ng	# 95
90) Dibenzo(a,h)anthracene	19.62	278	51791	3.22	ng	95
91) Benzo(a,h,i)perylene	20.02	276	142851	8.86	ng	95

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

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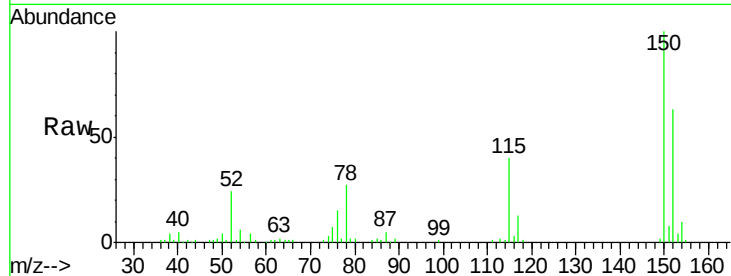


#1

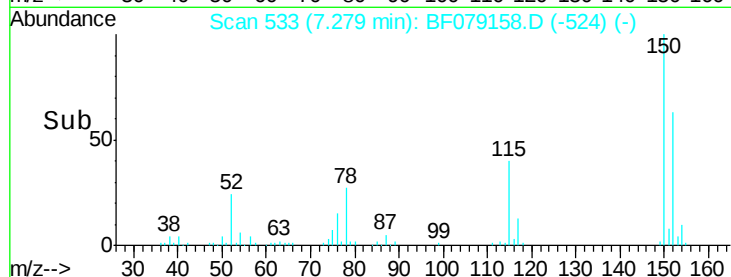
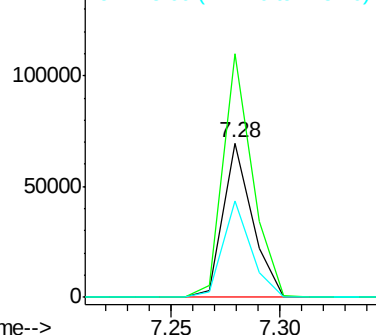
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.28 min Scan# 533
Delta R.T. 0.00 min
Lab File: BF079158.D
Acq: 12 May 2015 15:27

Instrument :
BNA_F
ClientSampled :
SB-44AS

Tot Ion:152 Resp: 65275
Ion Ratio Lower Upper
152 100
150 157.6 122.0 183.0
115 62.5 46.3 69.5



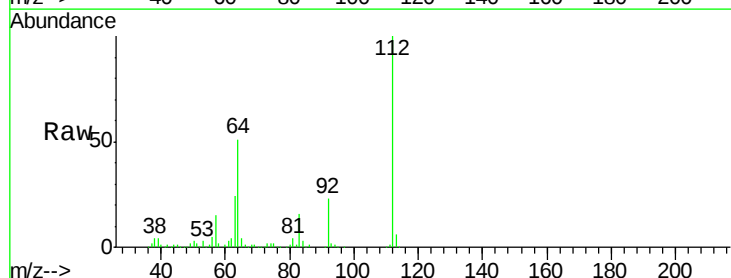
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



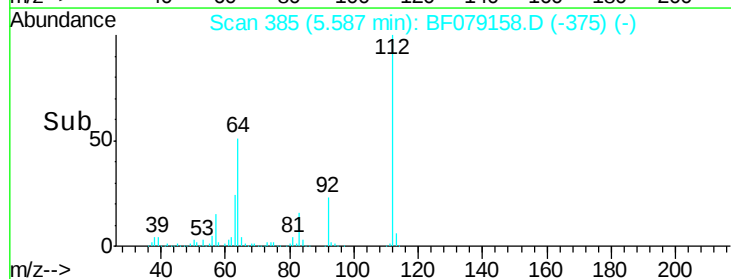
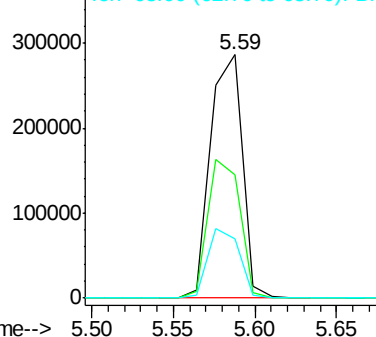
#5

2-Fluorophenol
Concen: 101.84 ng
RT: 5.59 min Scan# 385
Delta R.T. 0.01 min
Lab File: BF079158.D
Acq: 12 May 2015 15:27

Tgt Ion:112 Resp: 386164
Ion Ratio Lower Upper
112 100
64 50.8 53.5 80.3#
63 24.4 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: 97.14 ng

RT: 6.84 min Scan# 495

Delta R.T. 0.00 min

Lab File: BF079158.D

Acq: 12 May 2015 15:27

Instrument :

BNA_F

ClientSampleId :

SB-44AS

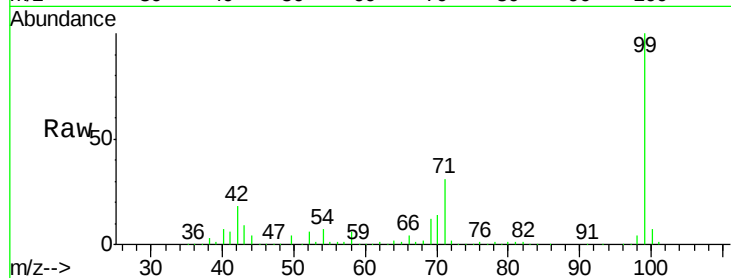
Tot Ion: 99 Resp: 486922

Ion Ratio Lower Upper

99 100

42 18.1 12.8 19.2

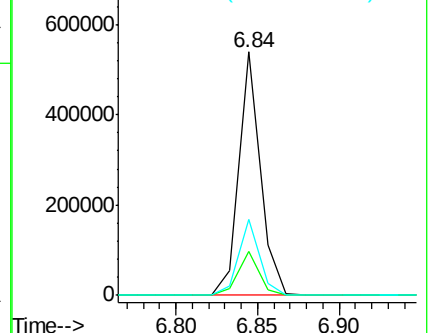
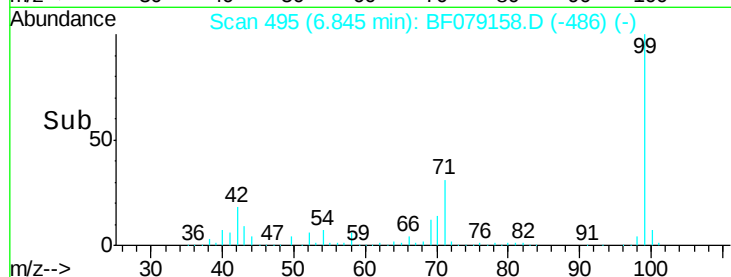
71 31.1 23.4 35.2



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: 8.86 min Scan# 671

Delta R.T. 0.00 min

Lab File: BF079158.D

Acq: 12 May 2015 15:27

Tgt Ion: 136 Resp: 283848

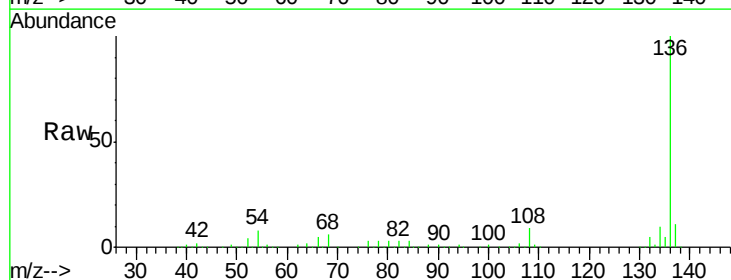
Ion Ratio Lower Upper

136 100

137 11.1 8.7 13.1

54 8.0 5.8 8.8

68 6.0 4.2 6.4

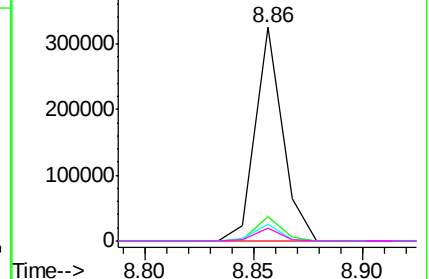
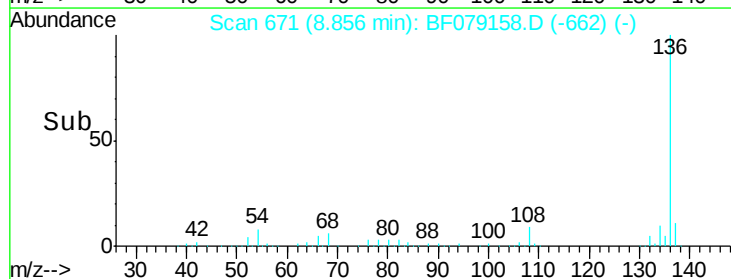


Abundance Ion 136.00 (135.70 to 136.70): E

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

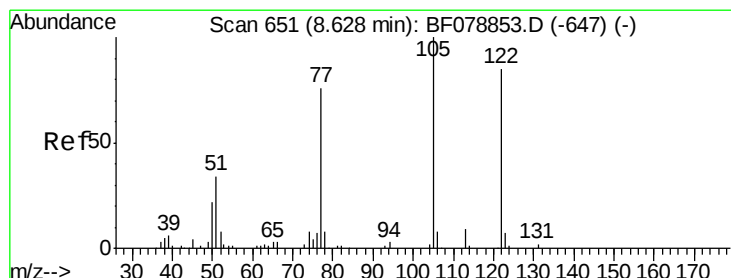
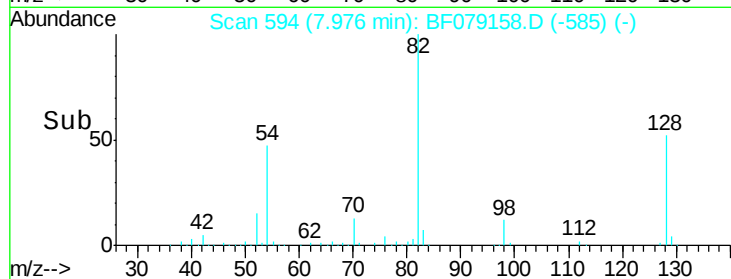
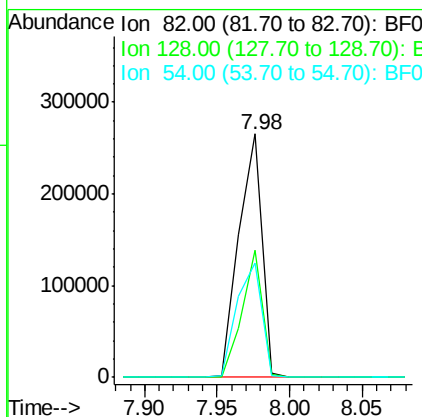
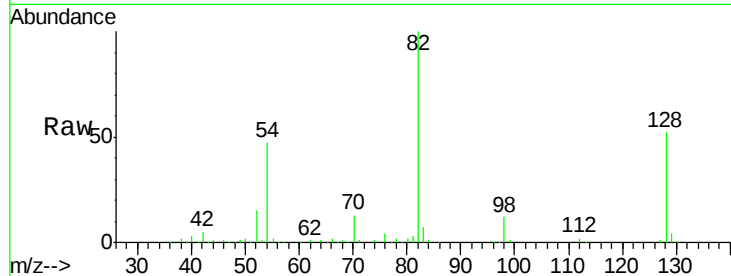




#23
 Nitrobenzene-d5
 Concen: 59.62 ng
 RT: 7.98 min Scan# 594
 Delta R.T. 0.00 min
 Lab File: BF079158.D
 Acq: 12 May 2015 15:27

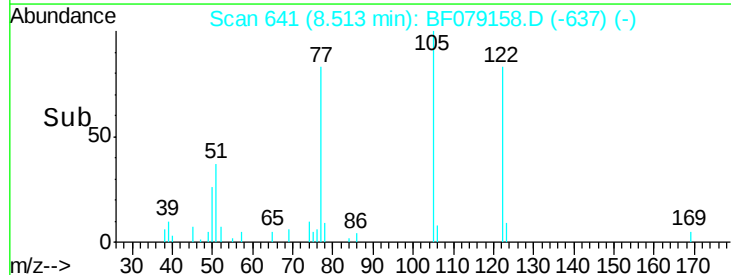
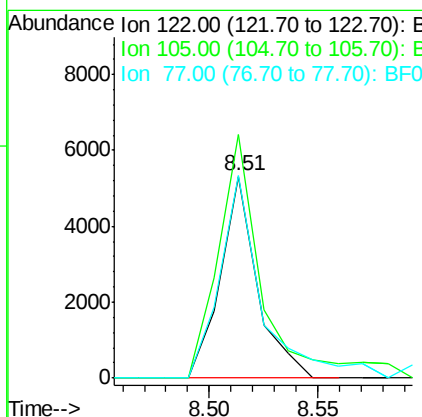
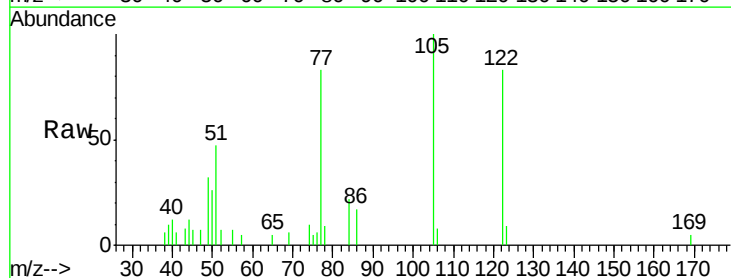
Instrument :
 BNA_F
 ClientSampleId :
 SB-44AS

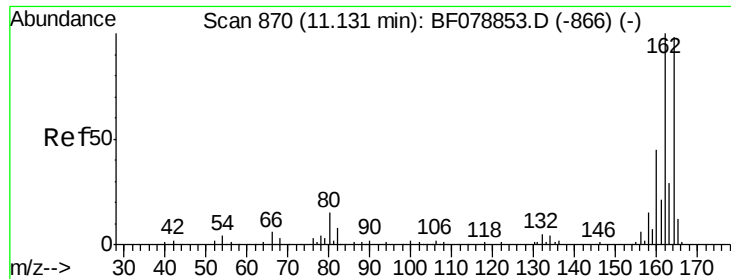
Tot Ion	82	Resp	294448
Ion Ratio	100	Lower	Upper
128	52.3	30.0	45.0#
54	46.9	46.4	69.6



#32
 Benzoic acid
 Concen: 8.46 ng
 RT: 8.51 min Scan# 641
 Delta R.T. -0.06 min
 Lab File: BF079158.D
 Acq: 12 May 2015 15:27

Tgt Ion	122	Resp	6273
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
105	120.7	107.1	147.1
77	100.4	73.9	113.9

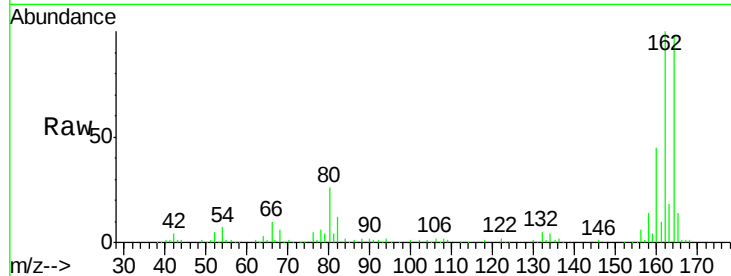




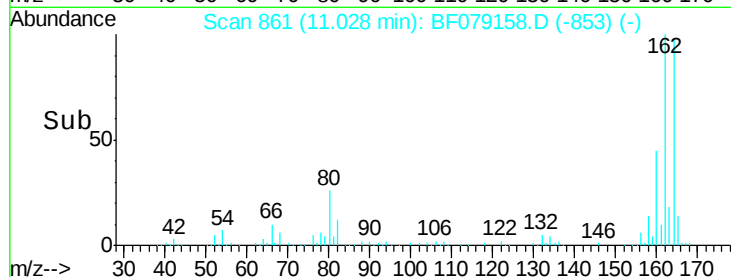
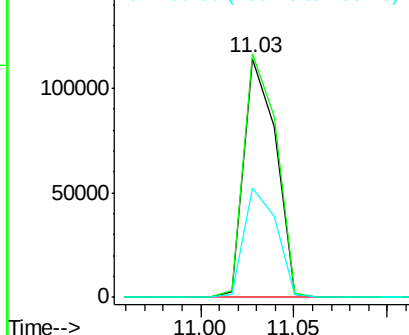
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 11.03 min Scan# 861
 Delta R.T. -0.01 min
 Lab File: BF079158.D
 Acq: 12 May 2015 15:27

Instrument :
 BNA_F
 ClientSampleId :
 SB-44AS

Tot Ion:164 Resp: 137345
 Ion Ratio Lower Upper
 164 100
 162 101.9 82.7 124.1
 160 45.6 35.8 53.8

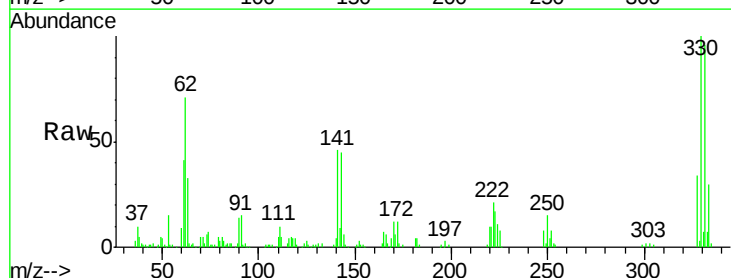


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

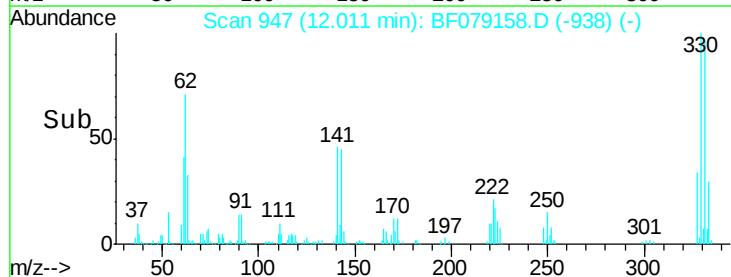
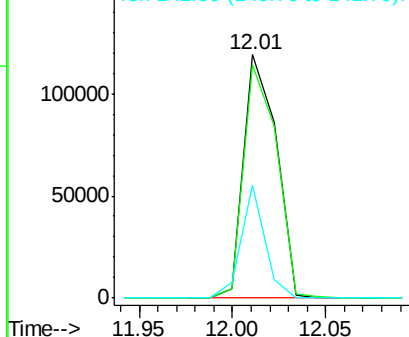


#41
 2,4,6-Tribromophenol
 Concen: 98.11 ng
 RT: 12.01 min Scan# 947
 Delta R.T. 0.00 min
 Lab File: BF079158.D
 Acq: 12 May 2015 15:27

Tgt Ion:330 Resp: 145772
 Ion Ratio Lower Upper
 330 100
 332 96.5 0.0 0.0#
 141 34.0 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

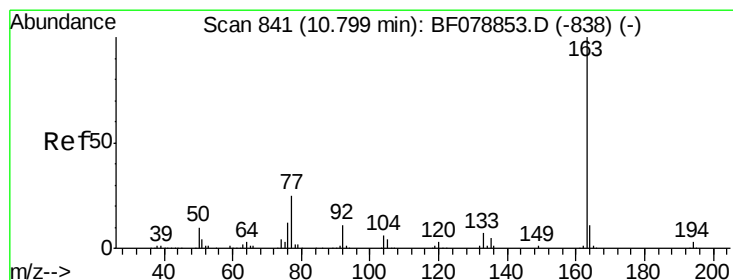
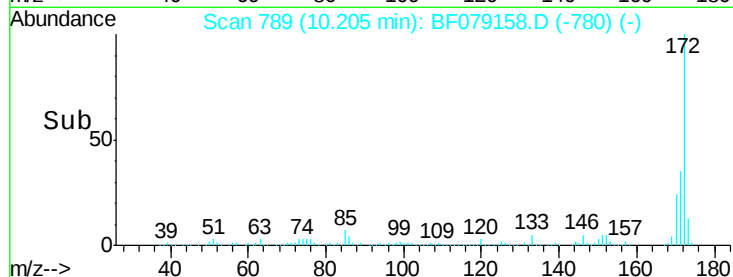
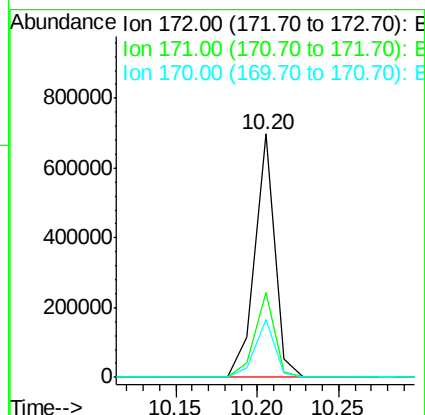
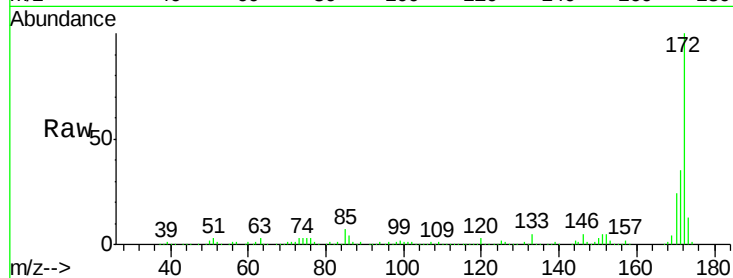




#44
2-Fluorobiphenyl
Concen: 60.29 ng
RT: 10.20 min Scan# 789
Delta R.T. 0.00 min
Lab File: BF079158.D
Acq: 12 May 2015 15:27

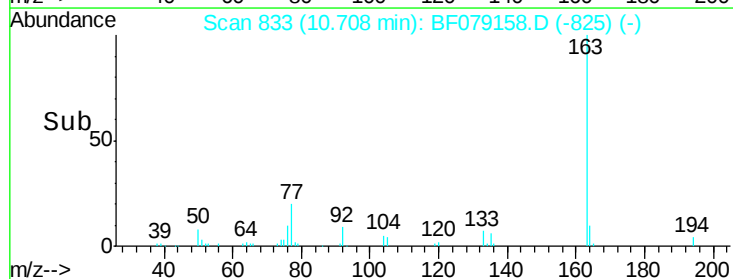
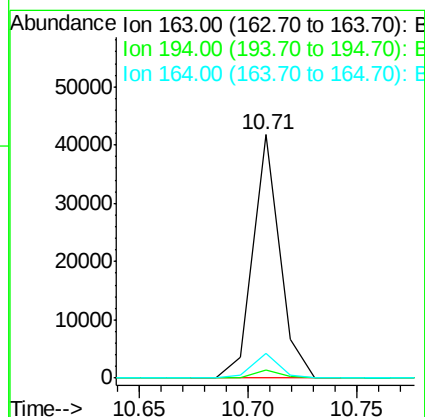
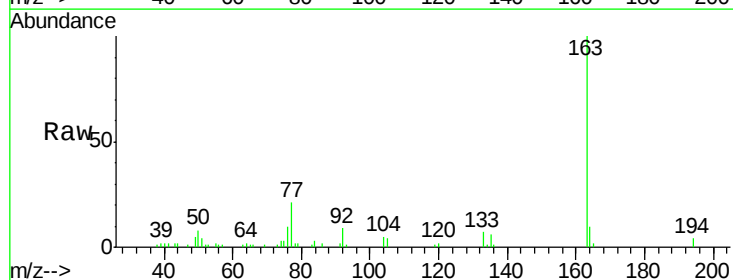
Instrument :
BNA_F
ClientSampleId :
SB-44AS

Tot Ion:172 Resp: 594324
Ion Ratio Lower Upper
172 100
171 35.0 27.9 41.9
170 23.8 19.4 29.0



#49
Dimethylphthalate
Concen: 3.54 ng
RT: 10.71 min Scan# 833
Delta R.T. -0.01 min
Lab File: BF079158.D
Acq: 12 May 2015 15:27

Tgt Ion:163 Resp: 35663
Ion Ratio Lower Upper
163 100
194 3.5 2.6 4.0
164 10.0 8.1 12.1

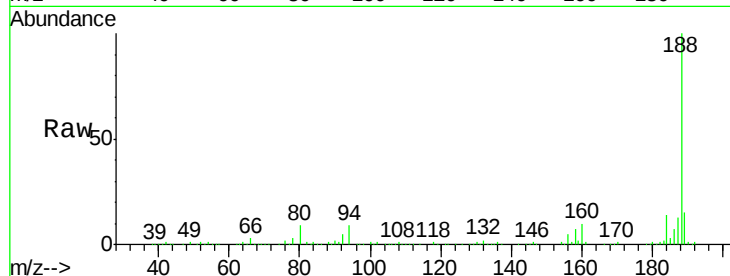




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.88 min Scan# 1023
Delta R.T. 0.00 min
Lab File: BF079158.D
Acq: 12 May 2015 15:27

Instrument :
BNA_F
ClientSampleId :
SB-44AS

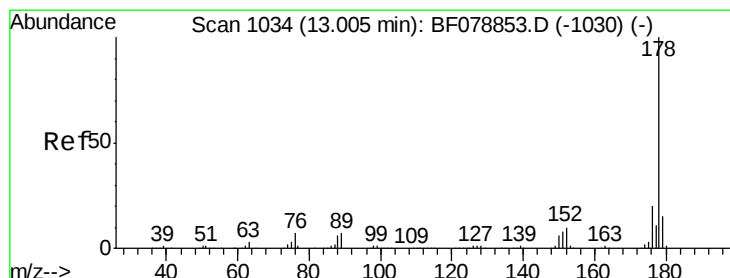
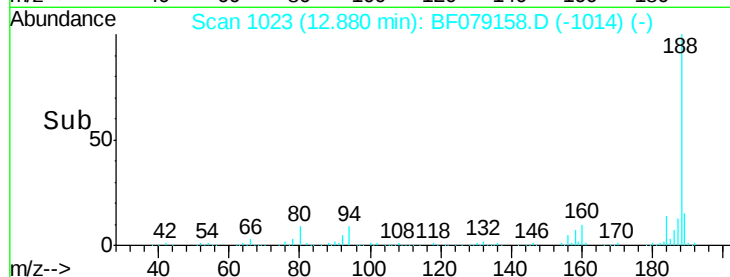
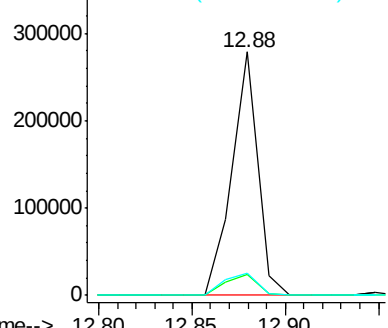
Tot Ion	188	Resp	267492
Ion Ratio	100	Lower	Upper
94	8.8	8.2	12.2
80	8.9	8.9	13.3



Abundance Ion 188.00 (187.70 to 188.70): E

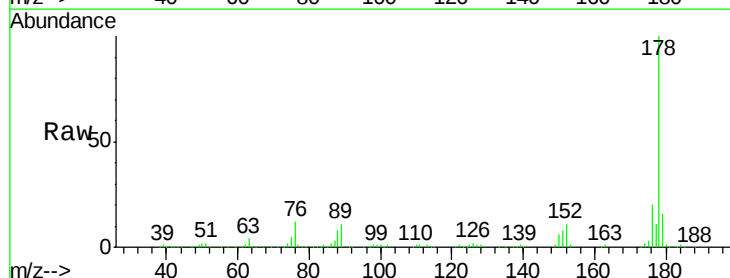
Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#70
Phenanthrene
Concen: 18.27 ng
RT: 12.90 min Scan# 1025
Delta R.T. 0.00 min
Lab File: BF079158.D
Acq: 12 May 2015 15:27

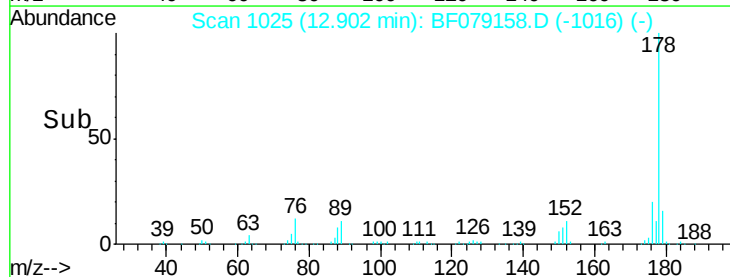
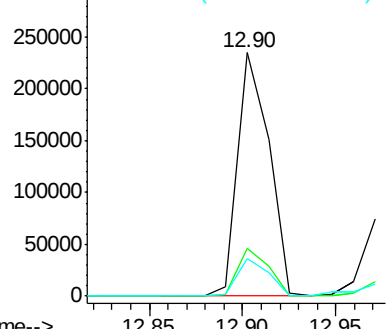
Tgt Ion	178	Resp	273471
Ion Ratio	100	Lower	Upper
176	19.6	15.8	23.8
179	15.6	12.5	18.7

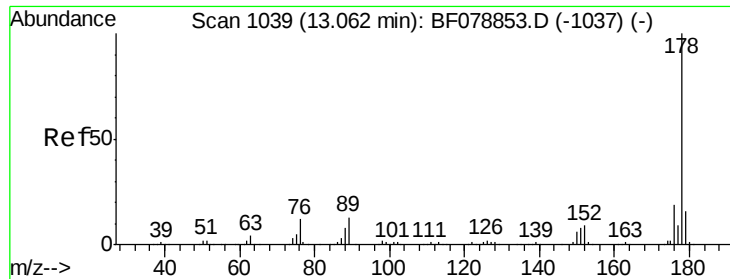


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

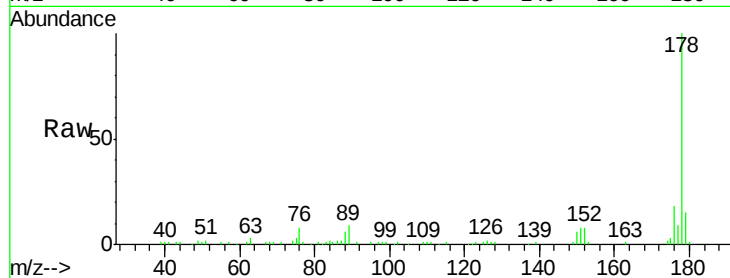




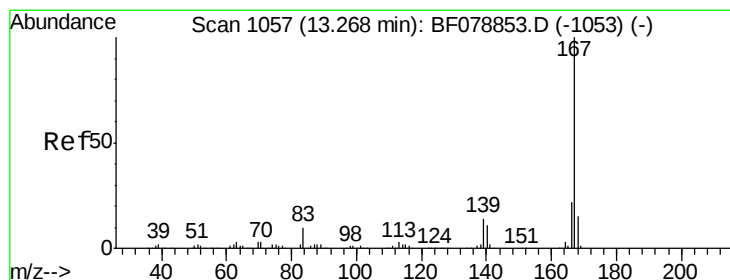
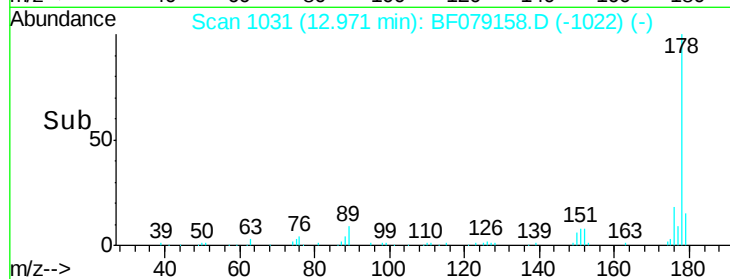
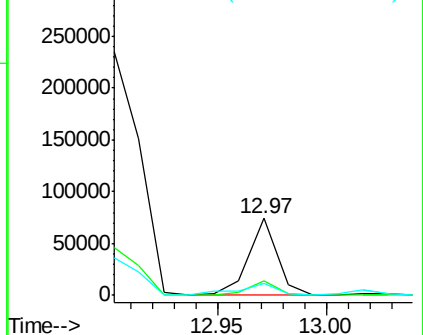
#71
 Anthracene
 Concen: 4.55 ng
 RT: 12.97 min Scan# 1031
 Delta R.T. 0.00 min
 Lab File: BF079158.D
 Acq: 12 May 2015 15:27

Instrument :
 BNA_F
 ClientSampleId :
 SB-44AS

Tot Ion:178 Resp: 66835
 Ion Ratio Lower Upper
 178 100
 176 18.4 15.5 23.3
 179 14.9 12.7 19.1

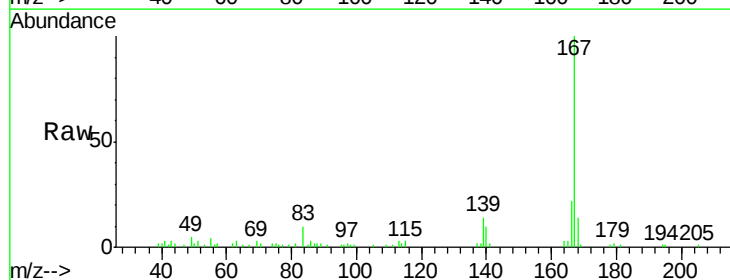


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

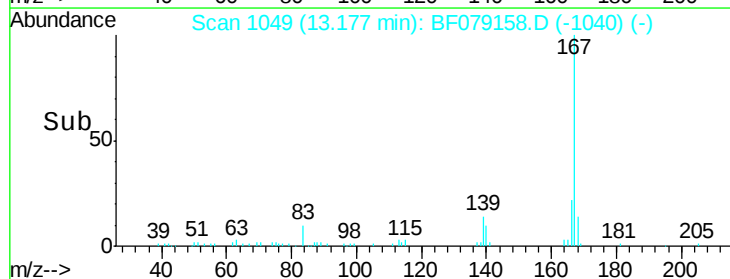
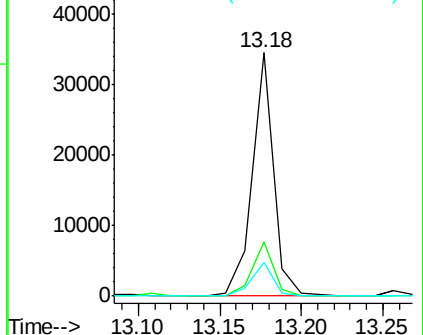


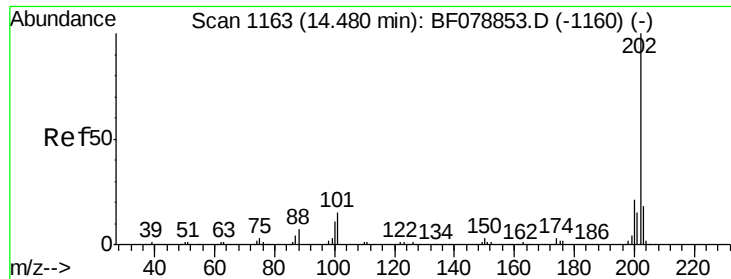
#72
 Carbazole
 Concen: 2.25 ng
 RT: 13.18 min Scan# 1049
 Delta R.T. 0.00 min
 Lab File: BF079158.D
 Acq: 12 May 2015 15:27

Tgt Ion:167 Resp: 31437
 Ion Ratio Lower Upper
 167 100
 166 22.0 17.8 26.8
 139 13.9 10.6 16.0



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: 25.88 ng

RT: 14.39 min Scan# 1155

Delta R.T. 0.00 min

Lab File: BF079158.D

Acq: 12 May 2015 15:27

Instrument :

BNA_F

ClientSampleId :

SB-44AS

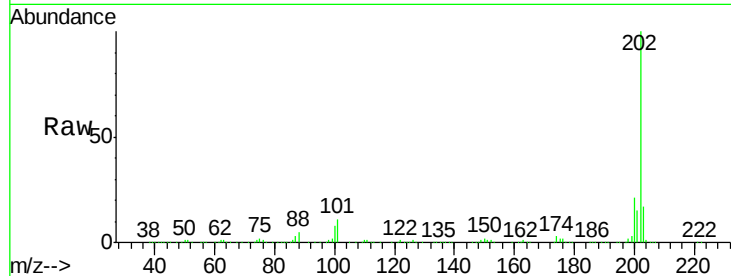
Tot Ion:202 Resp: 403556

Ion Ratio Lower Upper

202 100

101 11.0 0.0 34.6

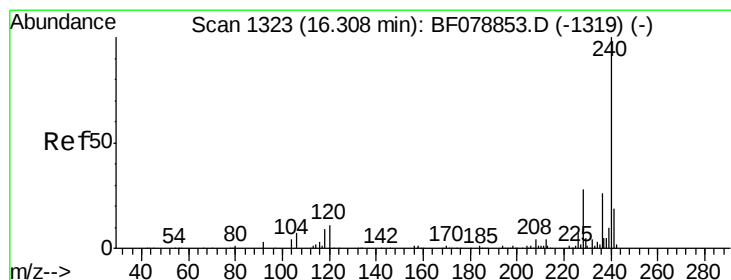
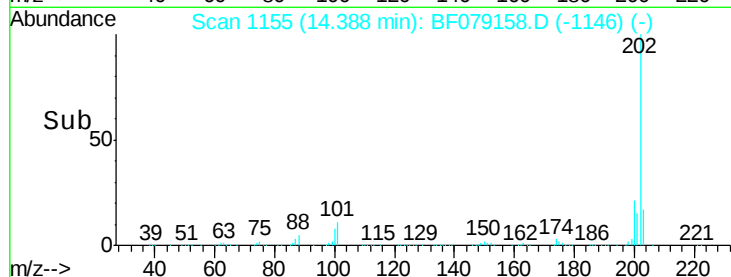
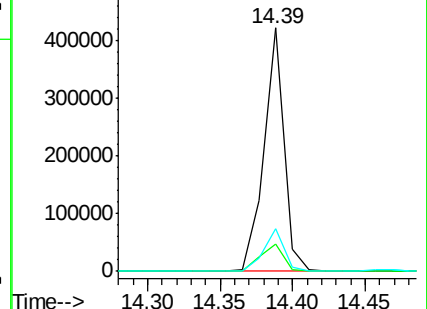
203 17.4 0.0 38.4



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: 16.22 min Scan# 1315

Delta R.T. 0.02 min

Lab File: BF079158.D

Acq: 12 May 2015 15:27

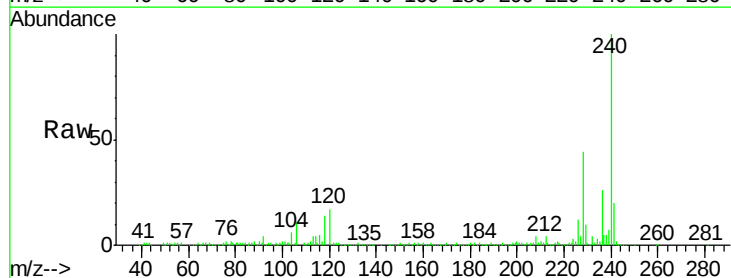
Tgt Ion:240 Resp: 273774

Ion Ratio Lower Upper

240 100

120 16.8 9.7 14.5#

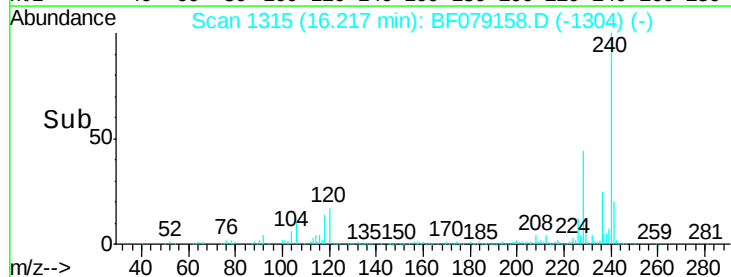
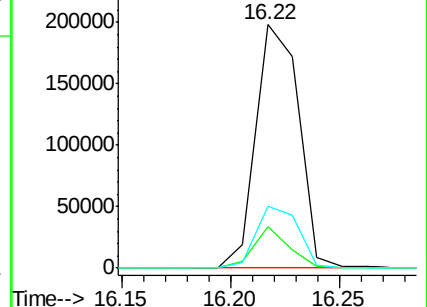
236 25.6 20.2 30.4

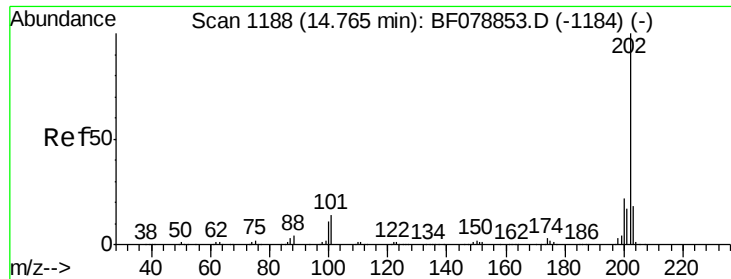


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 22.99 ng

RT: 14.67 min Scan# 1180

Delta R.T. 0.01 min

Lab File: BF079158.D

Acq: 12 May 2015 15:27

Instrument :

BNA_F

ClientSampleId :

SB-44AS

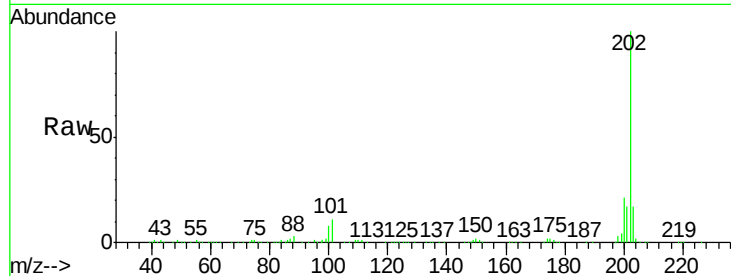
Tot Ion:202 Resp: 362674

Ion Ratio Lower Upper

202 100

200 20.7 17.5 26.3

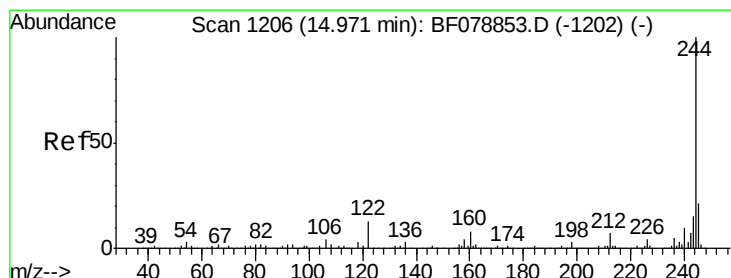
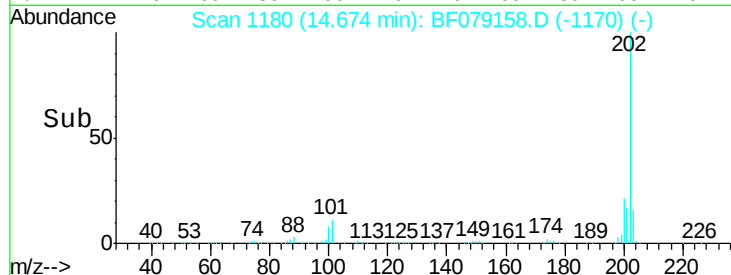
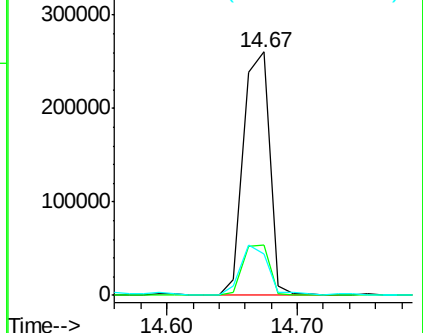
203 17.1 13.9 20.9



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: 58.93 ng

RT: 14.88 min Scan# 1198

Delta R.T. 0.00 min

Lab File: BF079158.D

Acq: 12 May 2015 15:27

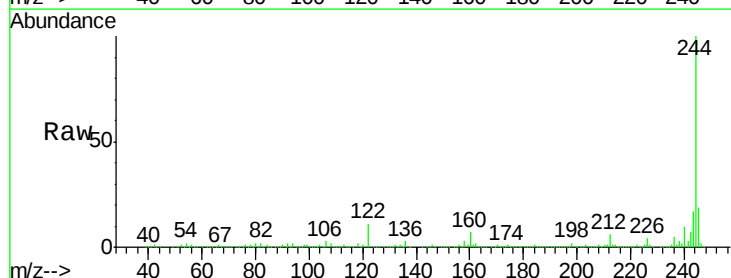
Tgt Ion:244 Resp: 673881

Ion Ratio Lower Upper

244 100

212 6.4 5.6 8.4

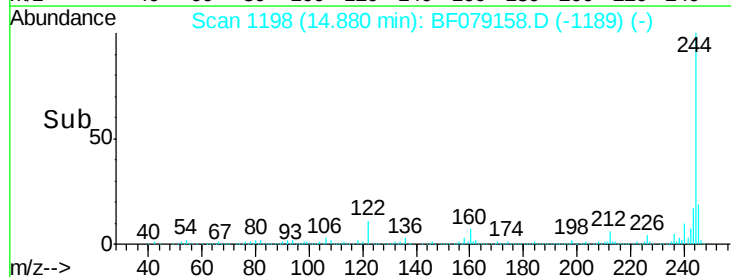
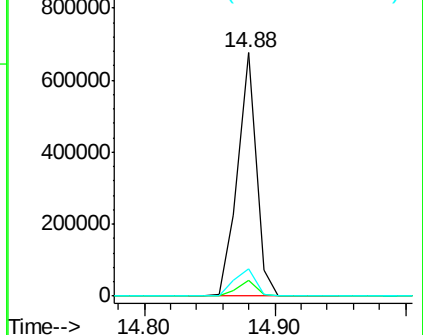
122 11.0 10.3 15.5

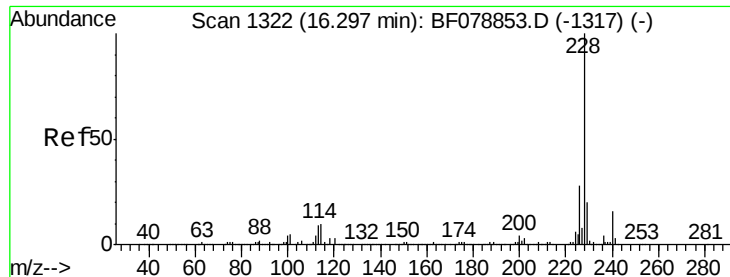


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 13.10 ng

RT: 16.21 min Scan# 1314

Delta R.T. 0.02 min

Lab File: BF079158.D

Acq: 12 May 2015 15:27

Instrument :

BNA_F

ClientSampleId :

SB-44AS

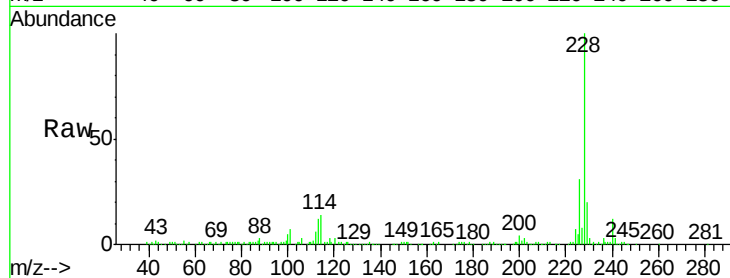
Tot Ion:228 Resp: 196346

Ion Ratio Lower Upper

228 100

226 30.7 22.6 33.8

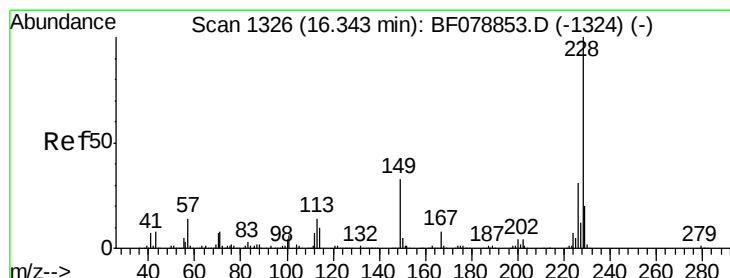
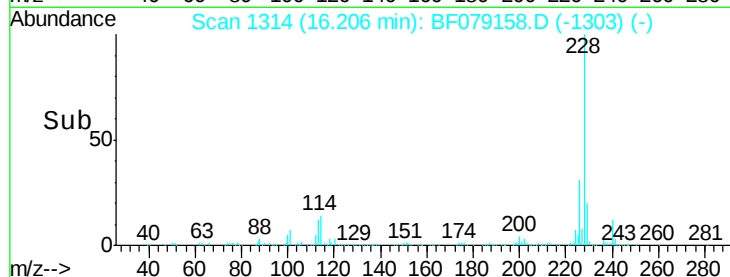
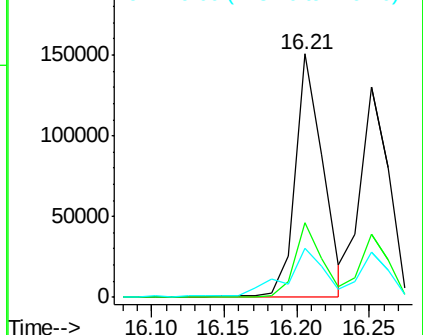
229 20.3 15.9 23.9



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: 11.98 ng

RT: 16.25 min Scan# 1318

Delta R.T. 0.02 min

Lab File: BF079158.D

Acq: 12 May 2015 15:27

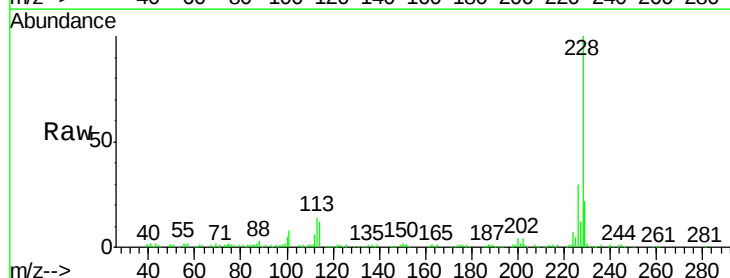
Tgt Ion:228 Resp: 172681

Ion Ratio Lower Upper

228 100

226 30.4 24.9 37.3

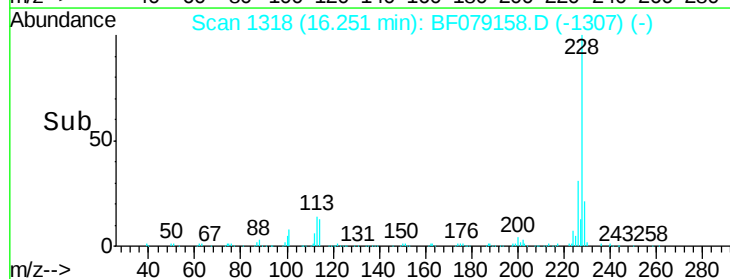
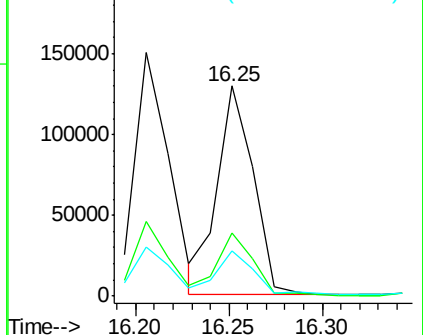
229 21.7 16.0 24.0

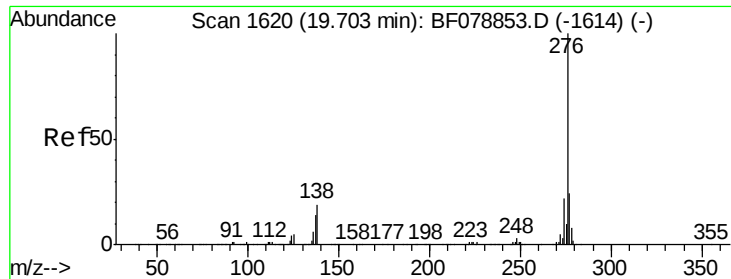


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

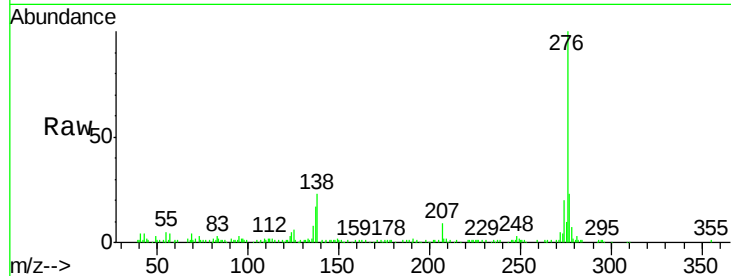




#85
Indeno(1,2,3-cd)pyrene
Concen: 8.21 ng
RT: 19.59 min Scan# 1610
Delta R.T. 0.09 min
Lab File: BF079158.D
Acq: 12 May 2015 15:27

Instrument :
BNA_F
ClientSampleId :
SB-44AS

Tot Ion	Ratio	Lower	Upper
276	100		
138	25.2	0.0	0.0#
277	26.5	0.0	0.0#

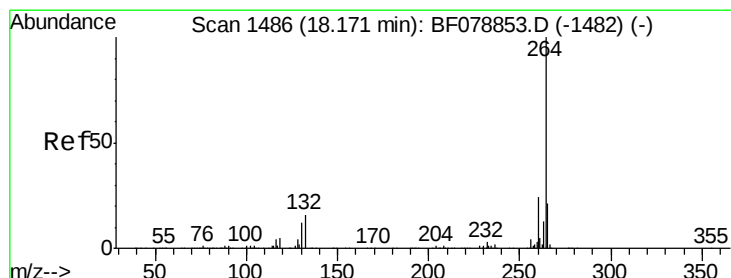
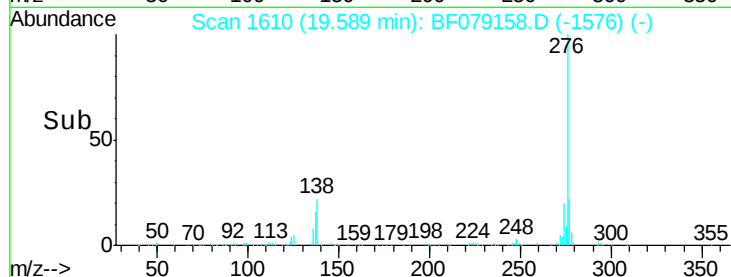
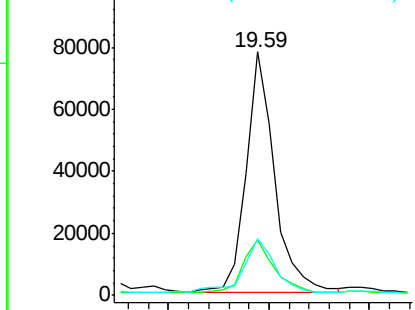


Abundance

Ion 276.00 (275.70 to 276.70): E

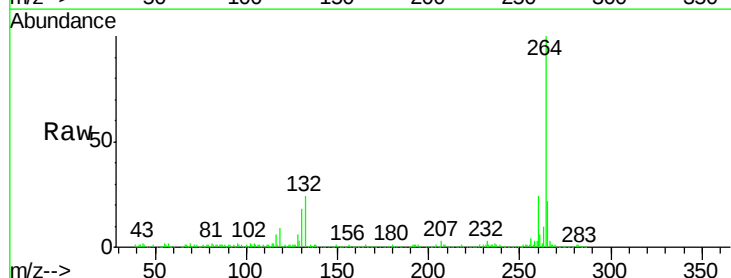
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86
Perylene-d12
Concen: 20.00 ng
RT: 18.10 min Scan# 1480
Delta R.T. 0.08 min
Lab File: BF079158.D
Acq: 12 May 2015 15:27

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.4	29.2
265	22.5	18.3	27.5

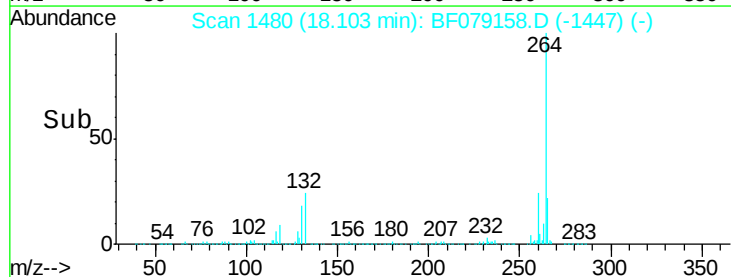
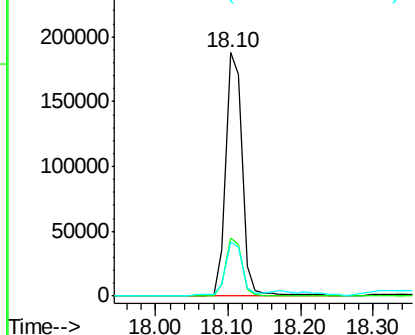


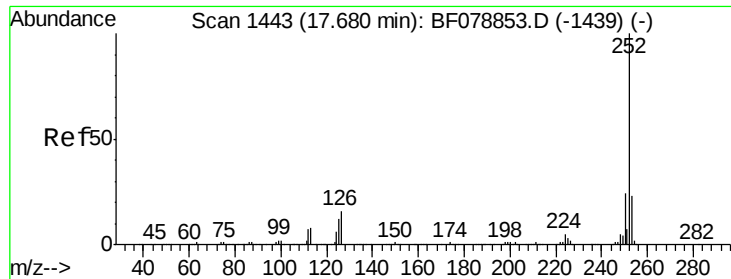
Abundance

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

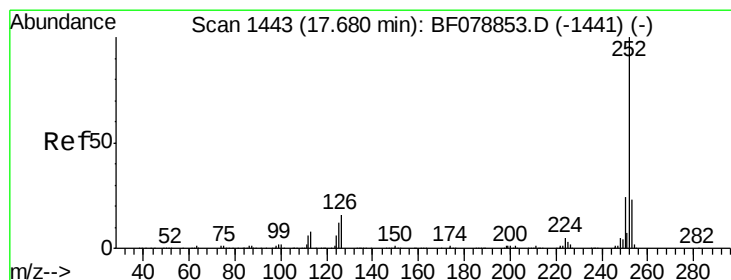
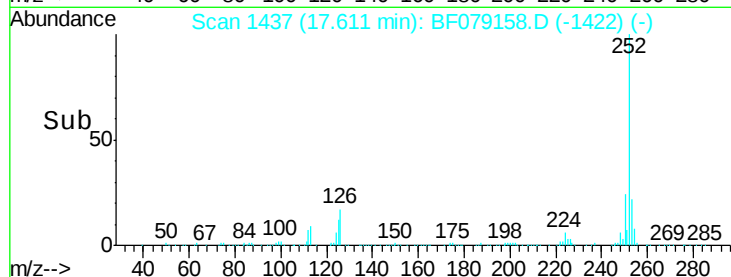
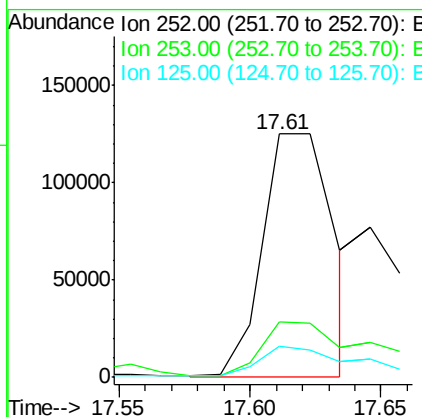
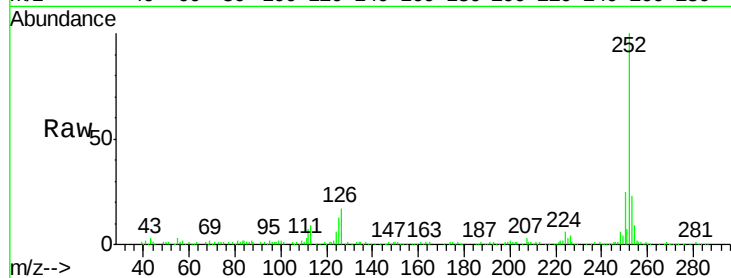




#87
Benzo(b)fluoranthene
Concen: 14.38 ng m
RT: 17.61 min Scan# 1437
Delta R.T. 0.07 min
Lab File: BF079158.D
Acq: 12 May 2015 15:27

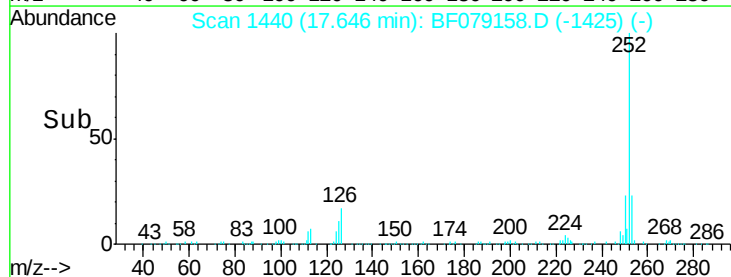
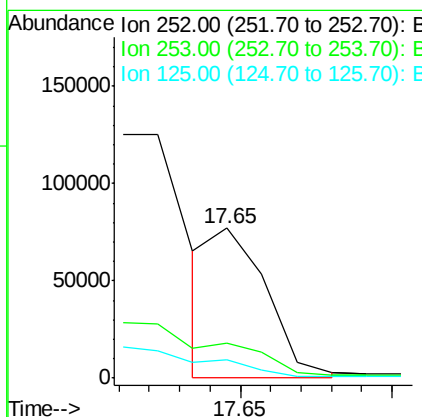
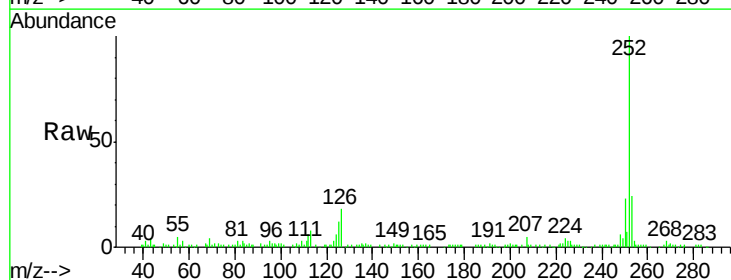
Instrument :
BNA_F
ClientSampleId :
SB-44AS

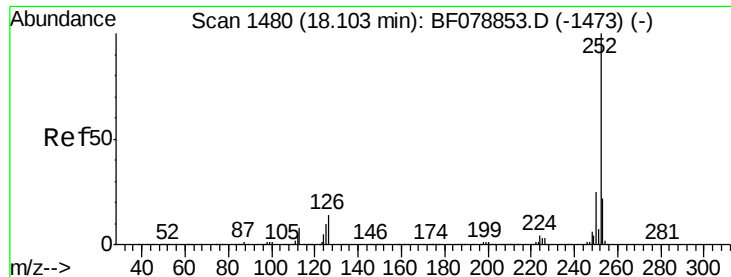
Tot Ion:252 Resp: 236478
Ion Ratio Lower Upper
252 100
253 22.8 17.7 26.5
125 12.9 9.5 14.3



#88
Benzo(k)fluoranthene
Concen: 6.08 ng m
RT: 17.65 min Scan# 1440
Delta R.T. 0.07 min
Lab File: BF079158.D
Acq: 12 May 2015 15:27

Tgt Ion:252 Resp: 96780
Ion Ratio Lower Upper
252 100
253 23.5 18.1 27.1
125 12.3 10.0 15.0





#89

Benzo(a)pyrene

Concen: 12.09 ng

RT: 18.03 min Scan# 1474

Delta R.T. 0.08 min

Lab File: BF079158.D

Acq: 12 May 2015 15:27

Instrument :

BNA_F

ClientSampleId :

SB-44AS

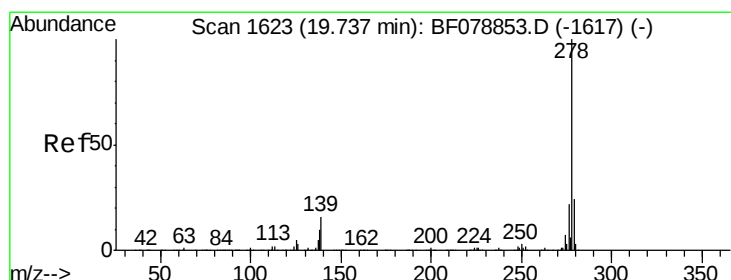
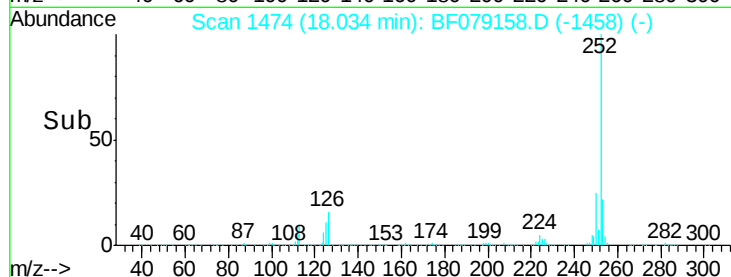
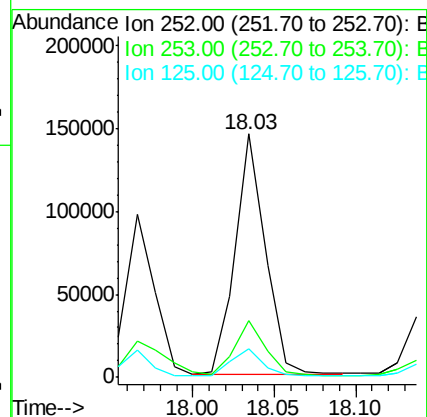
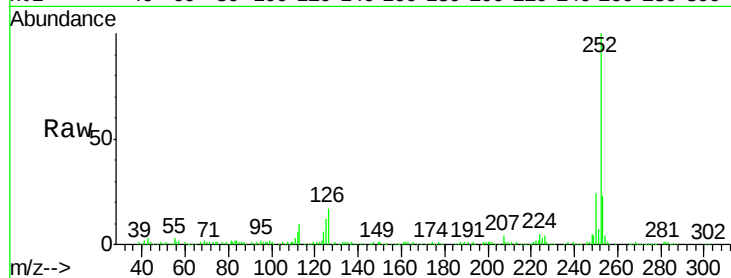
Tot Ion:252 Resp: 183126

Ion Ratio Lower Upper

252 100

253 23.3 17.3 25.9

125 11.7 7.0 10.6#



#90

Dibenzo(a,h)anthracene

Concen: 3.22 ng

RT: 19.62 min Scan# 1613

Delta R.T. 0.10 min

Lab File: BF079158.D

Acq: 12 May 2015 15:27

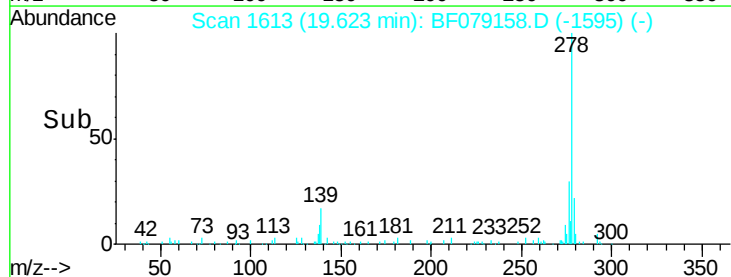
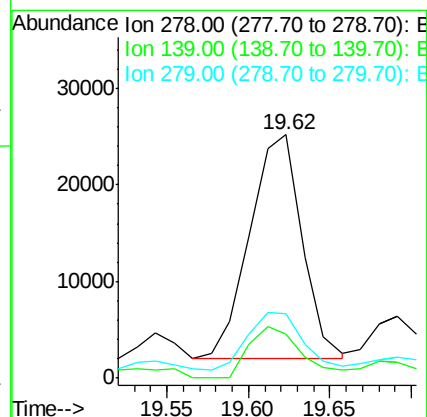
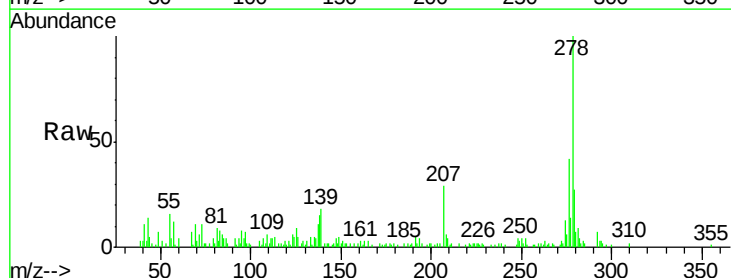
Tgt Ion:278 Resp: 51791

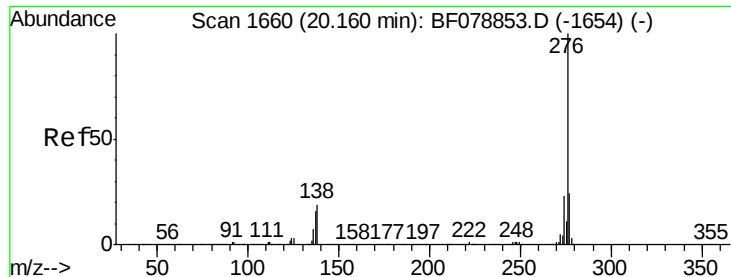
Ion Ratio Lower Upper

278 100

139 18.0 12.8 19.2

279 26.7 19.6 29.4

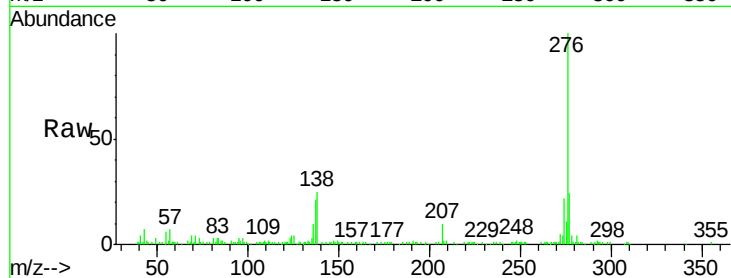




#91
 Benzo(a,h,i)perylene
 Concen: 8.86 ng
 RT: 20.02 min Scan# 1648
 Delta R.T. 0.09 min
 Lab File: BF079158.D
 Acq: 12 May 2015 15:27

Instrument :
 BNA_F
 ClientSampleId :
 SB-44AS

Tot Ion:	276	Resp:	142851
Ion	Ratio	Lower	Upper
276	100		
277	24.5	18.6	28.0
138	25.2	17.4	26.0



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

