

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051215\
 Data File : BF079159.D
 Acq On : 12 May 2015 15:55
 Operator : TP/IZ
 Sample : G2155-09
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-43D

Quant Time: May 13 01:30:37 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

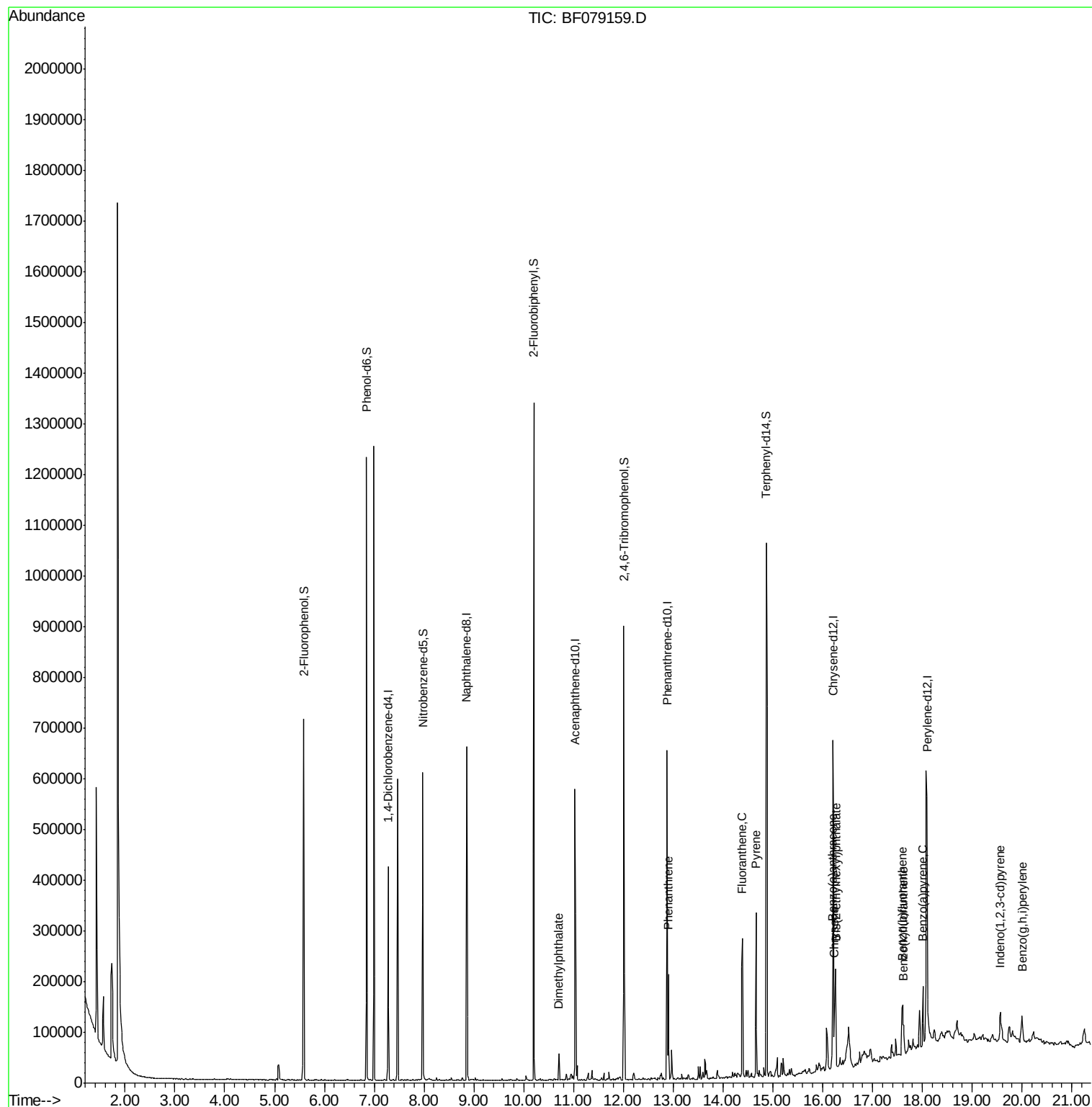
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.28	152	69211	20.00	ng	0.00
21) Naphthalene-d8	8.86	136	292061	20.00	ng	0.00
38) Acenaphthene-d10	11.03	164	138895	20.00	ng	-0.01
63) Phenanthrene-d10	12.88	188	275586	20.00	ng	0.00
75) Chrysene-d12	16.21	240	276851	20.00	ng	0.01
86) Perylene-d12	18.09	264	298508	20.00	ng	0.07
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	308592	76.75	ng	0.01
7) Phenol-d6	6.84	99	406864	76.56	ng	0.00
23) Nitrobenzene-d5	7.98	82	232198	45.69	ng	0.00
41) 2,4,6-Tribromophenol	12.01	330	115552	76.90	ng	0.00
44) 2-Fluorobiphenyl	10.20	172	440423	44.18	ng	0.00
78) Terphenyl-d14	14.87	244	457836	39.59	ng	-0.01
Target Compounds						Qvalue
49) Dimethylphthalate	10.71	163	21328	2.09	ng	99
70) Phenanthrene	12.90	178	82410	5.35	ng	97
74) Fluoranthene	14.39	202	157565	9.81	ng	92
77) Pyrene	14.66	202	140001	8.78	ng	98
80) Benzo(a)anthracene	16.19	228	65119m	4.30	ng	
82) Chrysene	16.24	228	52933	3.63	ng	98
83) Bis(2-ethylhexyl)phthalate	16.26	149	67012	6.34	ng	100
85) Indeno(1,2,3-cd)pyrene	19.57	276	49045	2.64	ng	# 100
87) Benzo(b)fluoranthene	17.60	252	66426m	4.07	ng	
88) Benzo(k)fluoranthene	17.62	252	32017m	2.02	ng	
89) Benzo(a)pyrene	18.01	252	57220	3.80	ng	# 94
91) Benzo(a,h,i)perylene	20.00	276	43327	2.70	ng	98

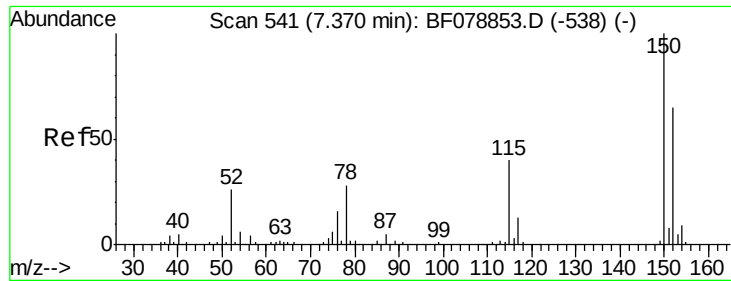
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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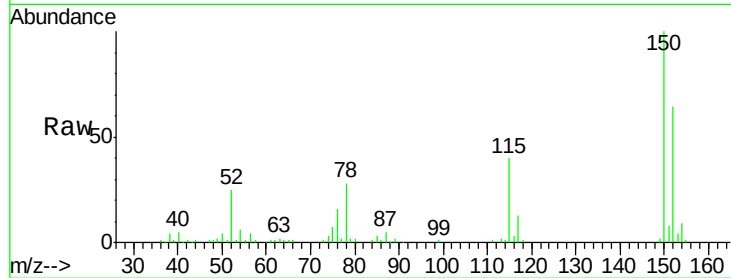


#1

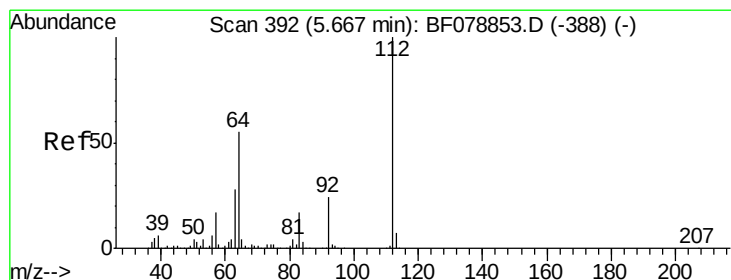
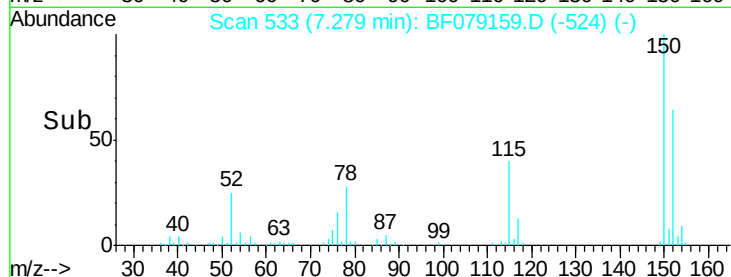
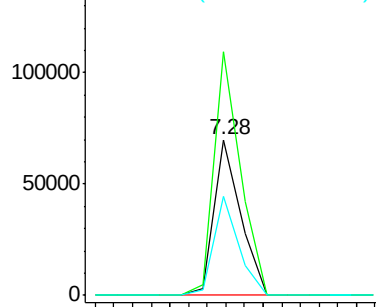
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.28 min Scan# 533
Delta R.T. 0.00 min
Lab File: BF079159.D
Acq: 12 May 2015 15:55

Instrument :
BNA_F
ClientSampleId :
SB-43D

Tot Ion:152 Resp: 69211
Ion Ratio Lower Upper
152 100
150 156.4 122.0 183.0
115 63.2 46.3 69.5



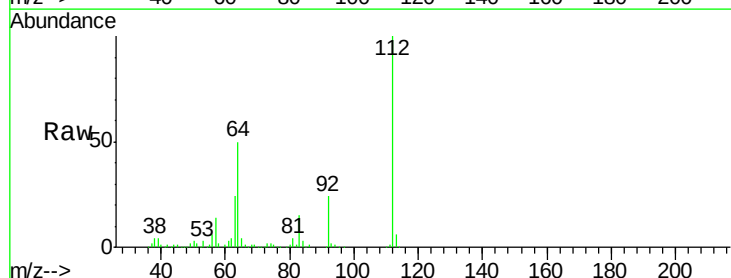
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



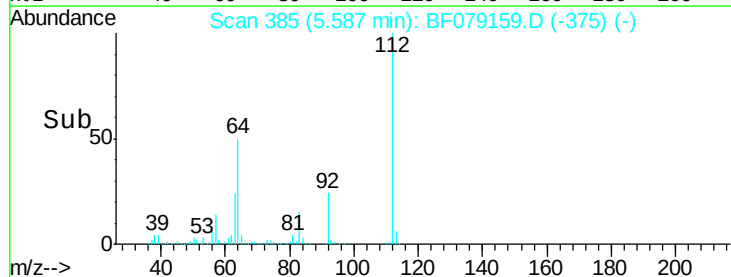
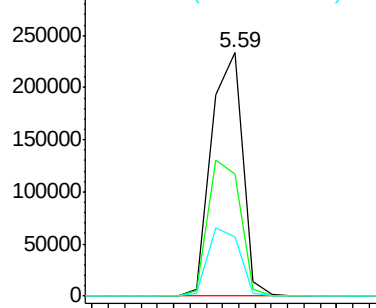
#5

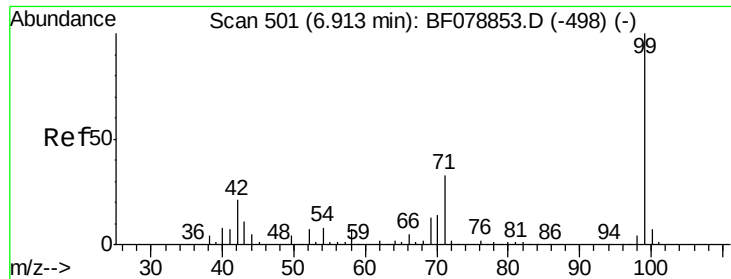
2-Fluorophenol
Concen: 76.75 ng
RT: 5.59 min Scan# 385
Delta R.T. 0.01 min
Lab File: BF079159.D
Acq: 12 May 2015 15:55

Tgt Ion:112 Resp: 308592
Ion Ratio Lower Upper
112 100
64 50.3 53.5 80.3#
63 24.3 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: 76.56 ng

RT: 6.84 min Scan# 495

Delta R.T. 0.00 min

Lab File: BF079159.D

Acq: 12 May 2015 15:55

Instrument :

BNA_F

ClientSampleId :

SB-43D

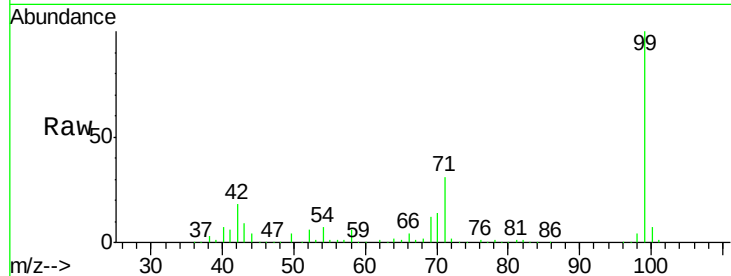
Tot Ion: 99 Resp: 406864

Ion Ratio Lower Upper

99 100

42 17.6 12.8 19.2

71 30.6 23.4 35.2

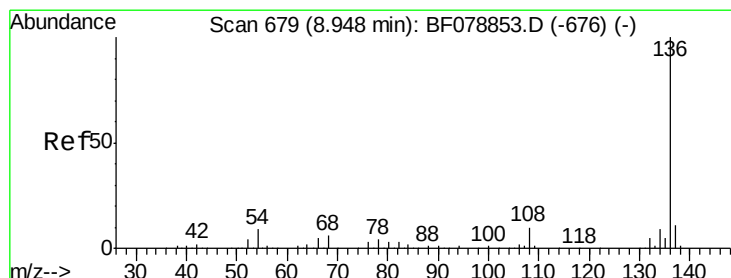
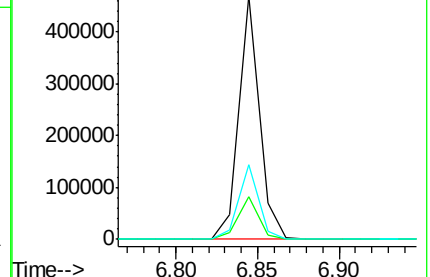
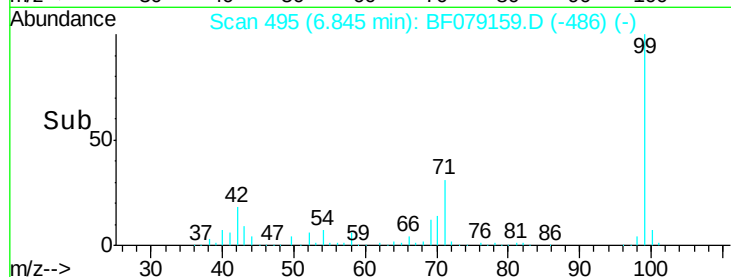


Abundance Ion 99.00 (98.70 to 99.70): BF078853.D (-498) (-)

Ion 42.00 (41.70 to 42.70): BF078853.D (-498) (-)

Ion 71.00 (70.70 to 71.70): BF078853.D (-498) (-)

6.84



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.86 min Scan# 671

Delta R.T. 0.00 min

Lab File: BF079159.D

Acq: 12 May 2015 15:55

Tgt Ion: 136 Resp: 292061

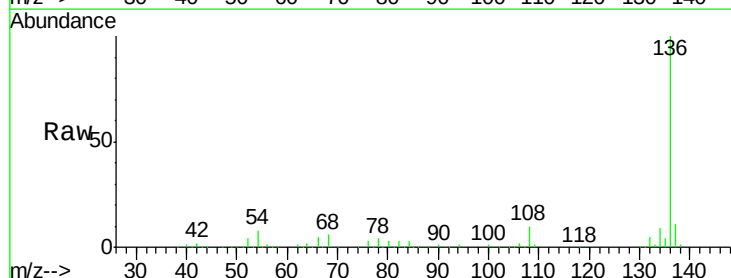
Ion Ratio Lower Upper

136 100

137 10.6 8.7 13.1

54 8.3 5.8 8.8

68 6.4 4.2 6.4#



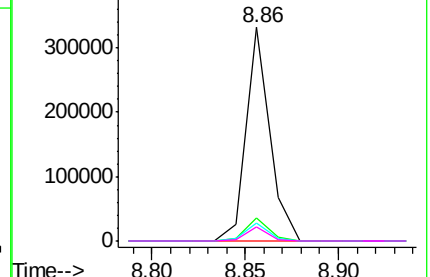
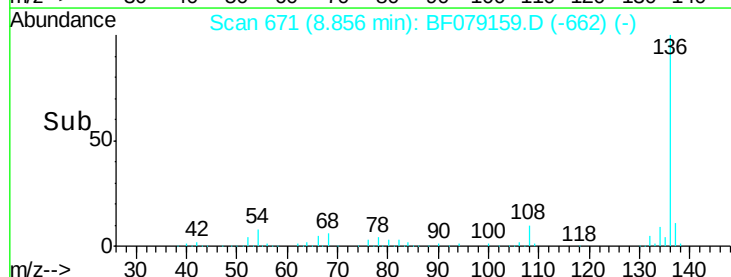
Abundance Ion 136.00 (135.70 to 136.70): BF078853.D (-676) (-)

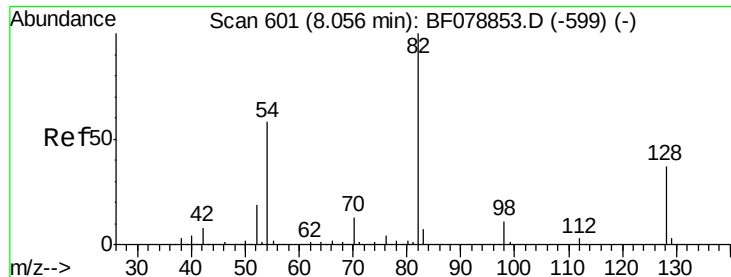
Ion 137.00 (136.70 to 137.70): BF078853.D (-676) (-)

Ion 54.00 (53.70 to 54.70): BF078853.D (-676) (-)

Ion 68.00 (67.70 to 68.70): BF078853.D (-676) (-)

8.86

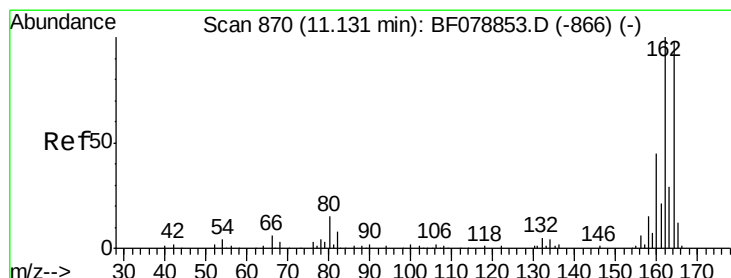
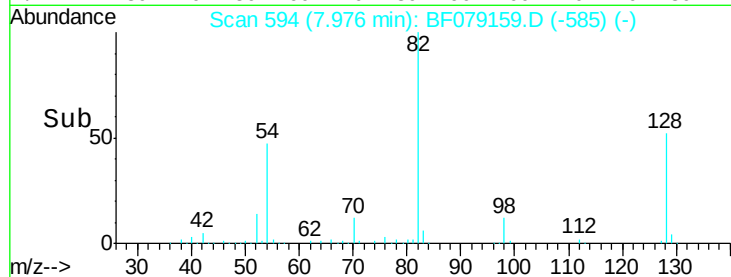
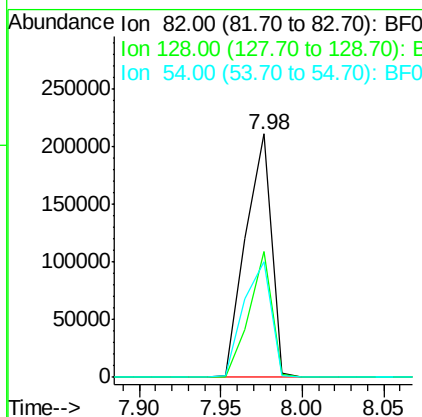
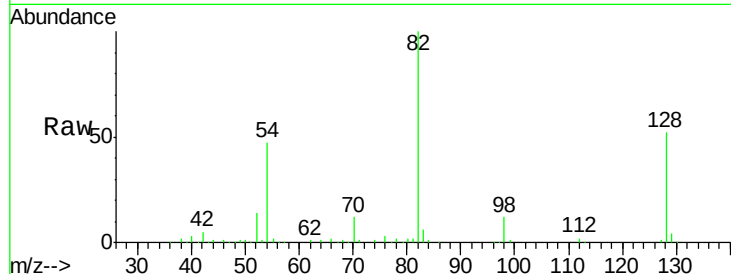




#23
 Nitrobenzene-d5
 Concen: 45.69 ng
 RT: 7.98 min Scan# 594
 Delta R.T. 0.00 min
 Lab File: BF079159.D
 Acq: 12 May 2015 15:55

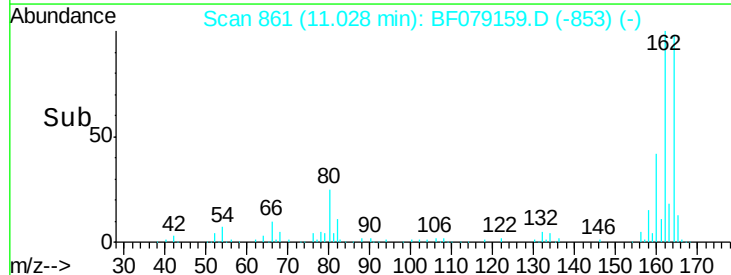
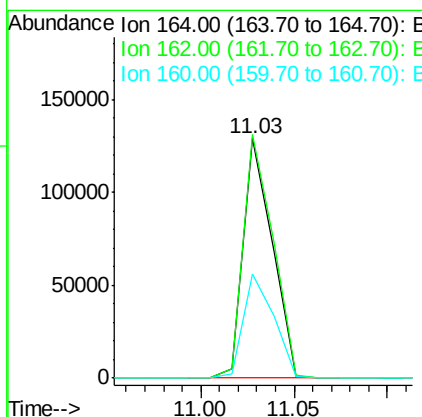
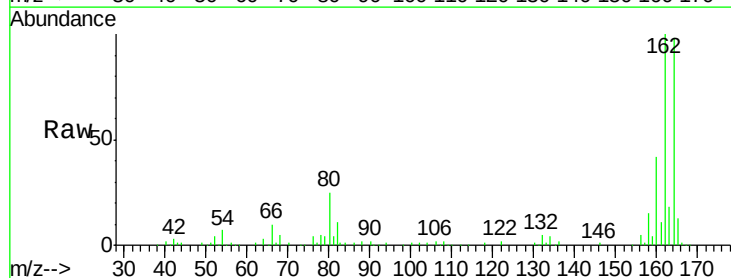
Instrument :
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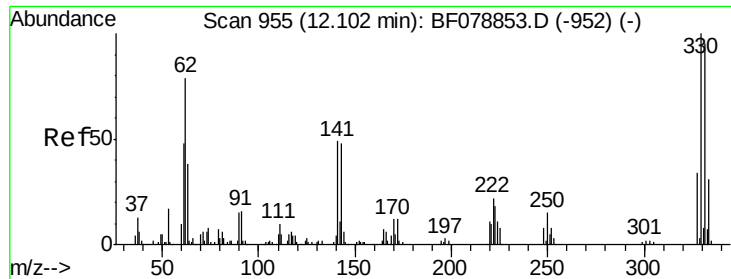
Tot Ion	82	Resp	232198
Ion Ratio	100		
128	51.6	30.0	45.0#
54	47.4	46.4	69.6



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 11.03 min Scan# 861
 Delta R.T. -0.01 min
 Lab File: BF079159.D
 Acq: 12 May 2015 15:55

Tgt Ion	164	Resp	138895
Ion Ratio	100		
162	101.6	82.7	124.1
160	43.2	35.8	53.8

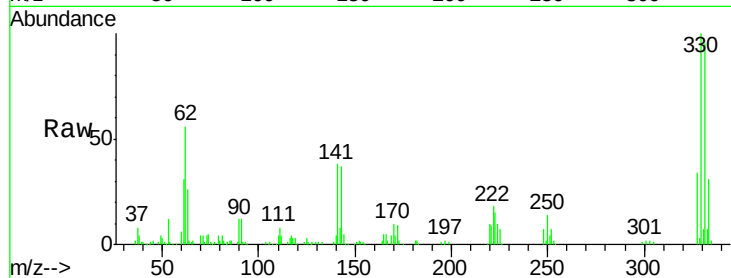




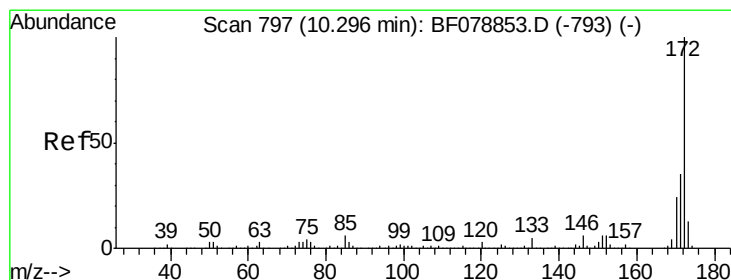
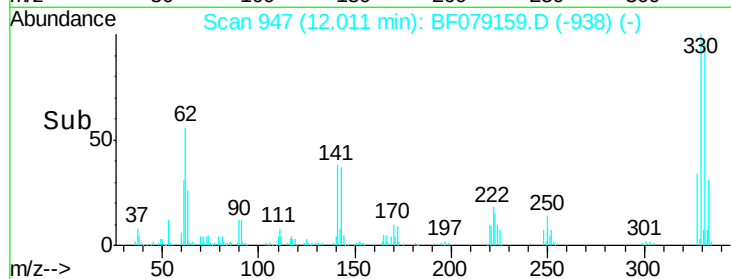
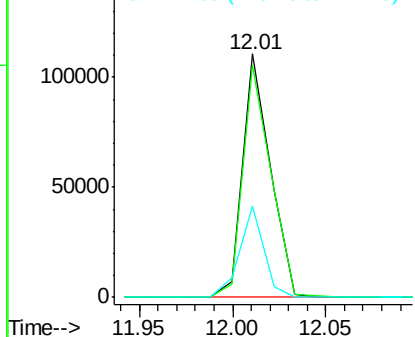
#41
 2,4,6-Tribromophenol
 Concen: 76.90 ng
 RT: 12.01 min Scan# 947
 Delta R.T. 0.00 min
 Lab File: BF079159.D
 Acq: 12 May 2015 15:55

Instrument :
 BNA_F
 ClientSampled :
 SB-43D

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.1	0.0	0.0#
141	33.2	0.0	0.0#

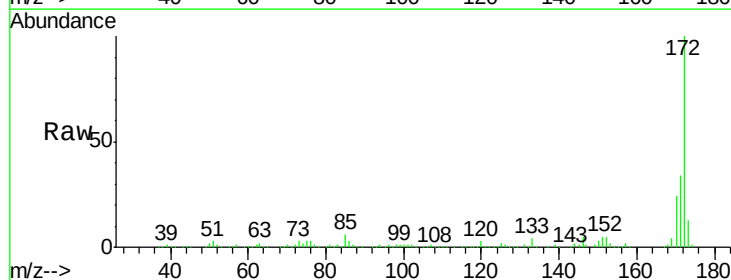


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

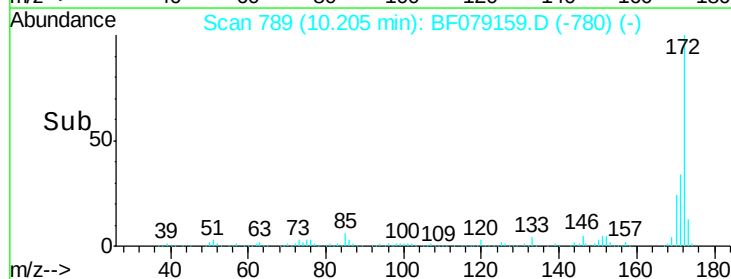
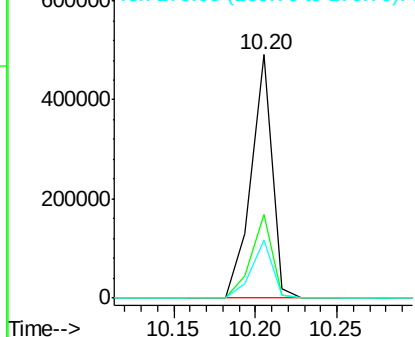


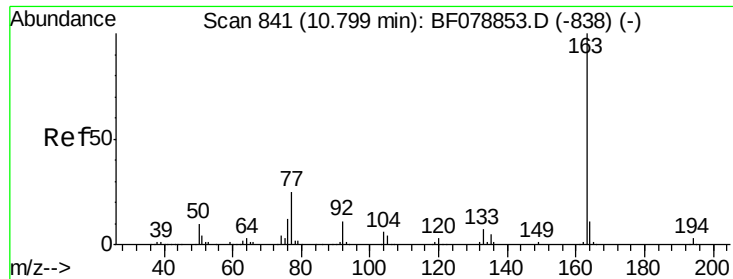
#44
 2-Fluorobiphenyl
 Concen: 44.18 ng
 RT: 10.20 min Scan# 789
 Delta R.T. 0.00 min
 Lab File: BF079159.D
 Acq: 12 May 2015 15:55

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.5	27.9	41.9
170	24.1	19.4	29.0



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

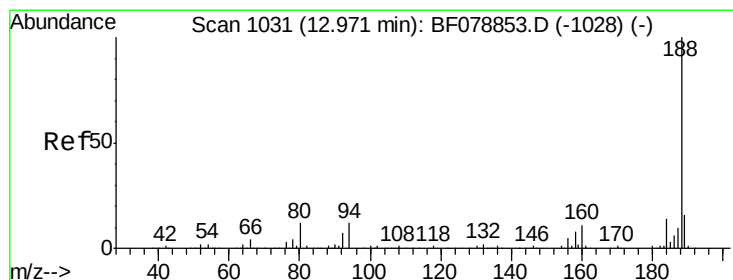
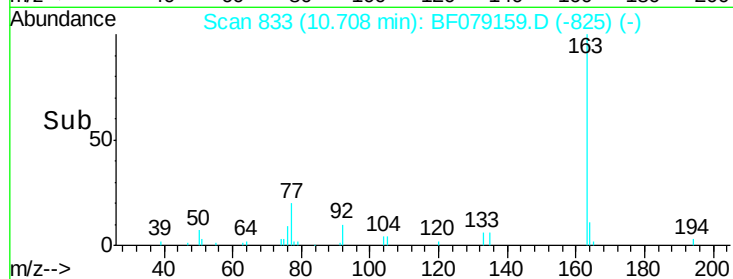
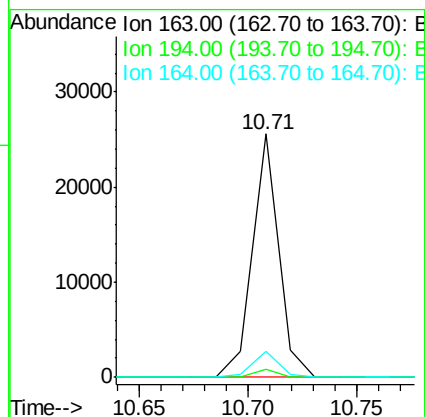
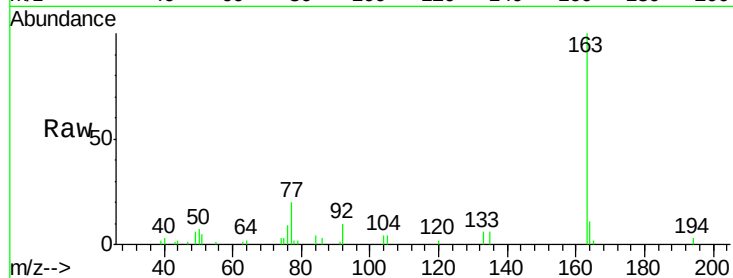




#49
Dimethylphthalate
Concen: 2.09 ng
RT: 10.71 min Scan# 833
Delta R.T. -0.01 min
Lab File: BF079159.D
Acq: 12 May 2015 15:55

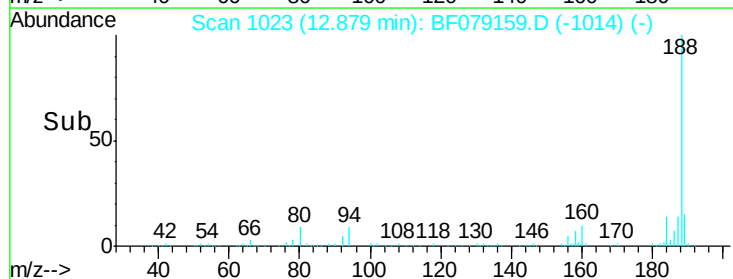
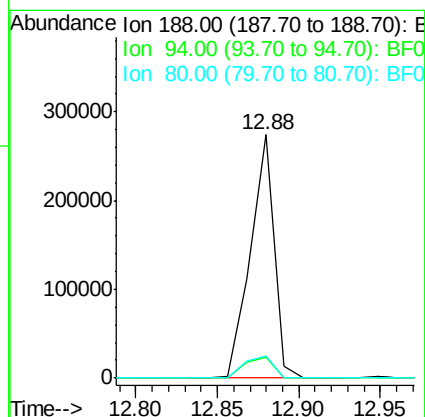
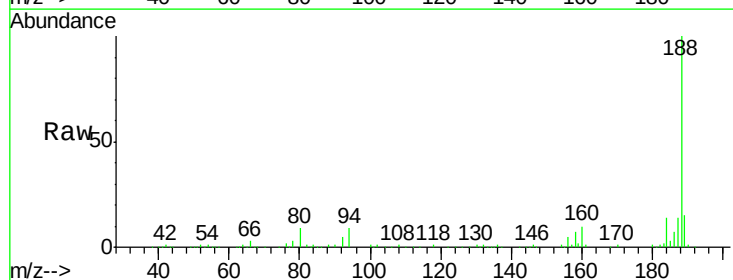
Instrument :
BNA_F
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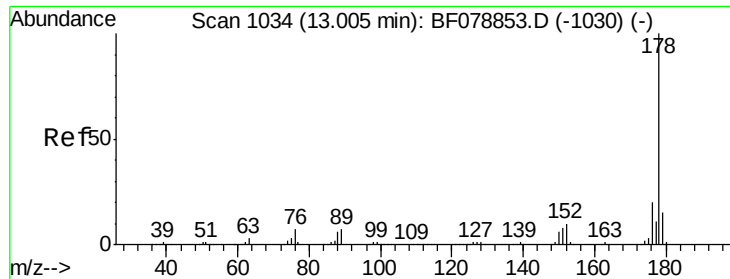
Tot Ion:163 Resp: 21328
Ion Ratio Lower Upper
163 100
194 3.5 2.6 4.0
164 10.7 8.1 12.1



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.88 min Scan# 1023
Delta R.T. 0.00 min
Lab File: BF079159.D
Acq: 12 May 2015 15:55

Tgt Ion:188 Resp: 275586
Ion Ratio Lower Upper
188 100
94 8.7 8.2 12.2
80 9.2 8.9 13.3

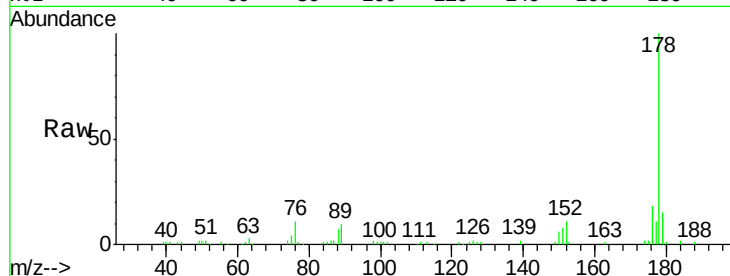




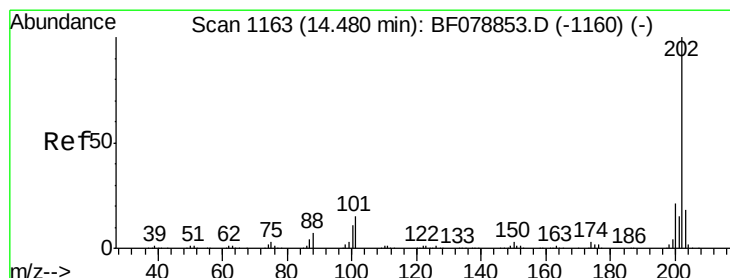
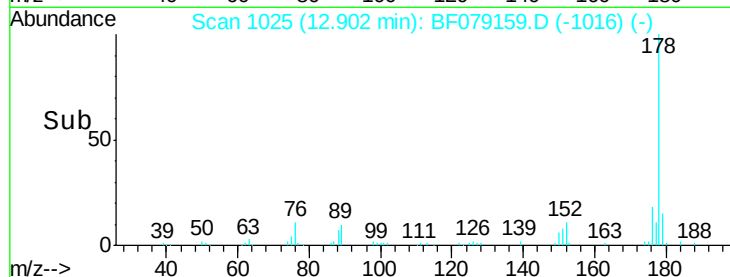
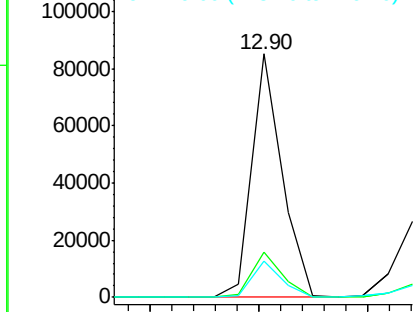
#70
Phenanthrene
Concen: 5.35 ng
RT: 12.90 min Scan# 1025
Delta R.T. 0.00 min
Lab File: BF079159.D
Acq: 12 May 2015 15:55

Instrument :
BNA_F
ClientSampled :
SB-43D

Tot Ion:178 Resp: 82410
Ion Ratio Lower Upper
178 100
176 18.4 15.8 23.8
179 14.8 12.5 18.7

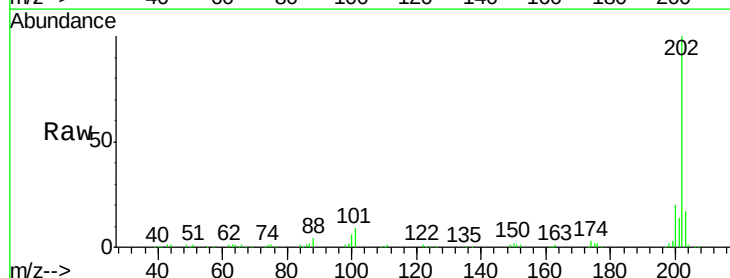


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

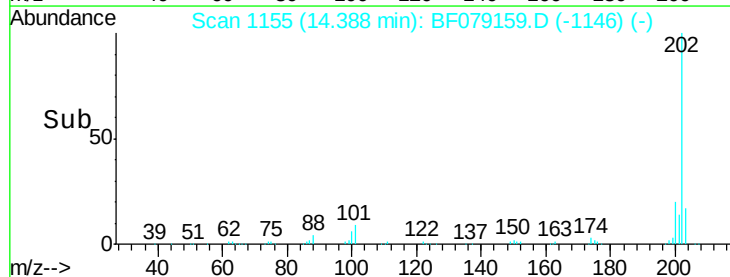
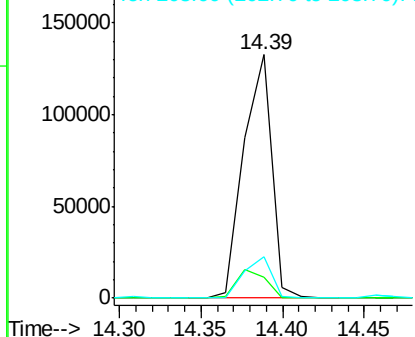


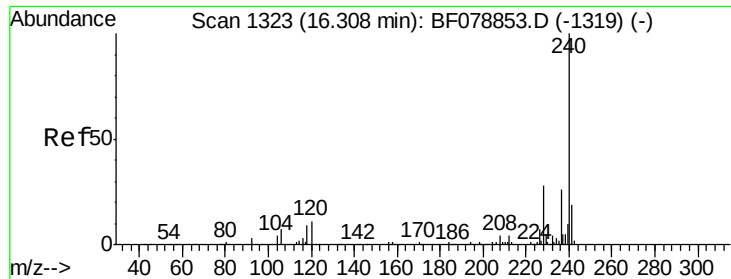
#74
Fluoranthene
Concen: 9.81 ng
RT: 14.39 min Scan# 1155
Delta R.T. 0.00 min
Lab File: BF079159.D
Acq: 12 May 2015 15:55

Tgt Ion:202 Resp: 157565
Ion Ratio Lower Upper
202 100
101 8.7 0.0 34.6
203 16.9 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: 16.21 min Scan# 1314

Delta R.T. 0.01 min

Lab File: BF079159.D

Acq: 12 May 2015 15:55

Instrument :

BNA_F

ClientSampled :

SB-43D

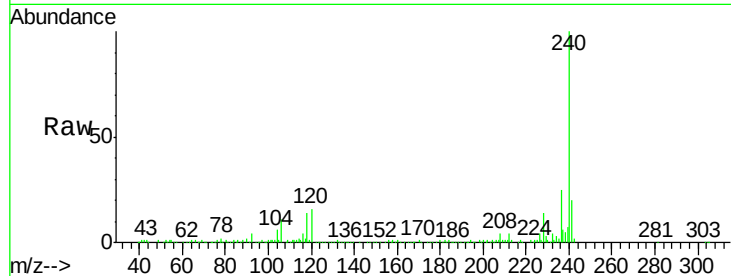
Tot Ion:240 Resp: 276851

Ion Ratio Lower Upper

240 100

120 15.9 9.7 14.5#

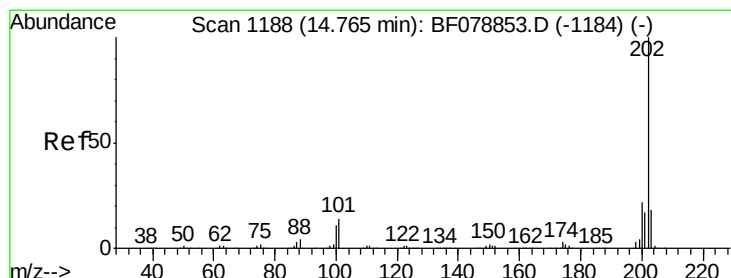
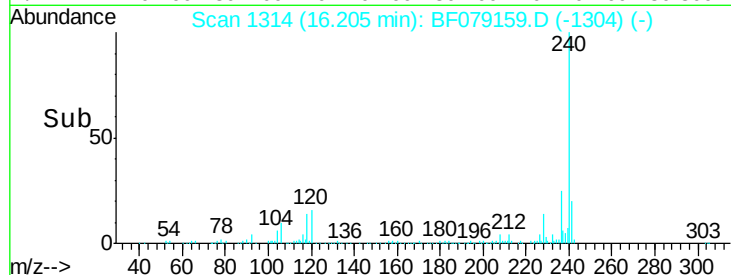
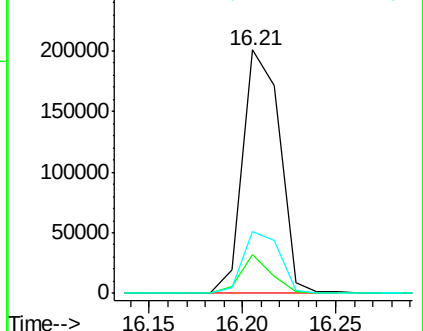
236 25.4 20.2 30.4



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

Pyrene

Concen: 8.78 ng

RT: 14.66 min Scan# 1179

Delta R.T. 0.00 min

Lab File: BF079159.D

Acq: 12 May 2015 15:55

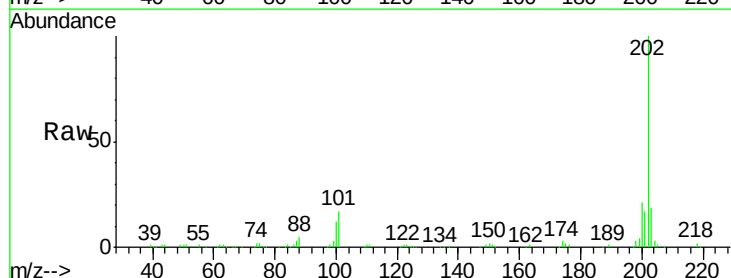
Tgt Ion:202 Resp: 140001

Ion Ratio Lower Upper

202 100

200 21.1 17.5 26.3

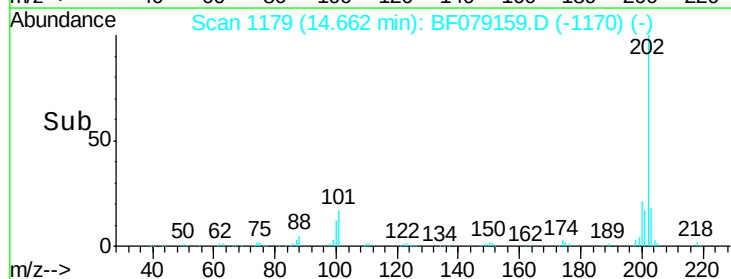
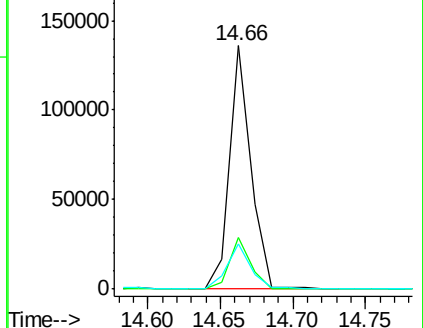
203 18.7 13.9 20.9

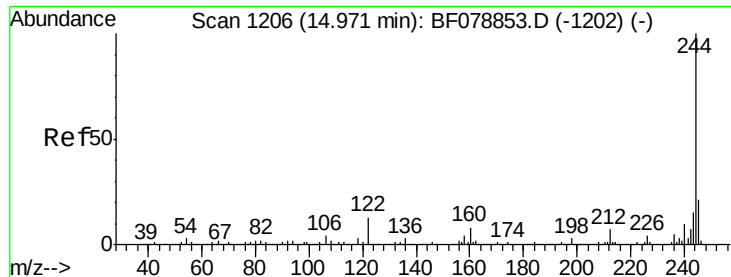


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 39.59 ng

RT: 14.87 min Scan# 1197

Delta R.T. -0.01 min

Lab File: BF079159.D

Acq: 12 May 2015 15:55

Instrument :

BNA_F

ClientSampleId :

SB-43D

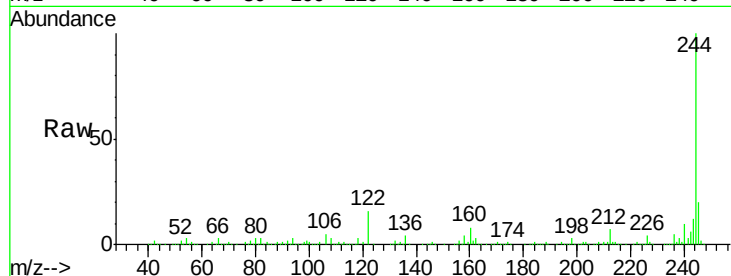
Tot Ion:244 Resp: 457836

Ion Ratio Lower Upper

244 100

212 7.0 5.6 8.4

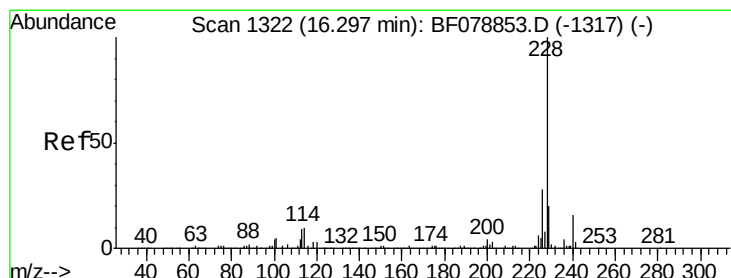
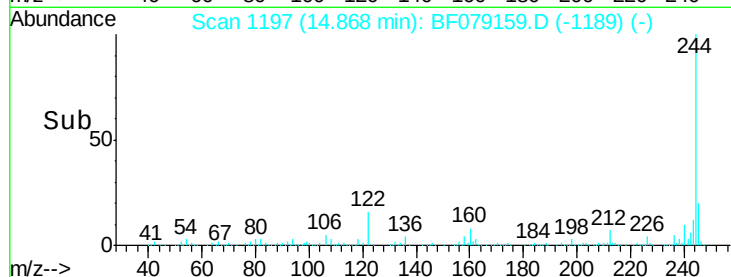
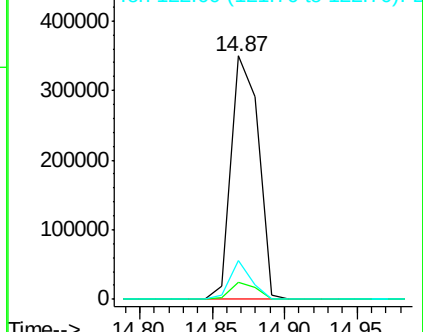
122 15.7 10.3 15.5#



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: 4.30 ng m

RT: 16.19 min Scan# 1313

Delta R.T. 0.01 min

Lab File: BF079159.D

Acq: 12 May 2015 15:55

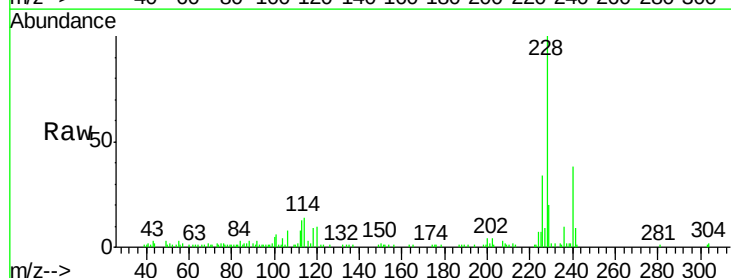
Tgt Ion:228 Resp: 65119

Ion Ratio Lower Upper

228 100

226 34.4 22.6 33.8#

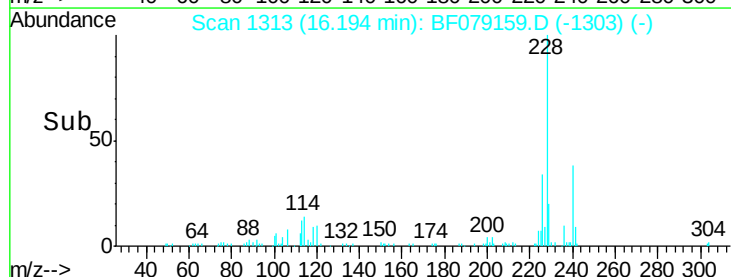
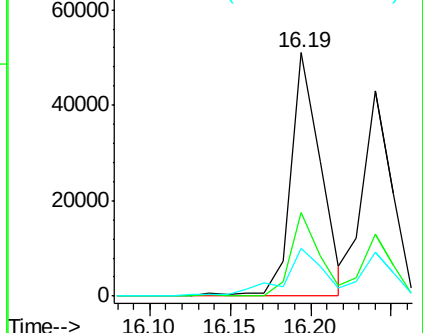
229 19.9 15.9 23.9

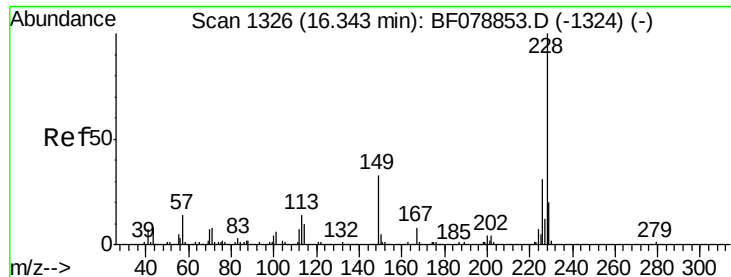


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

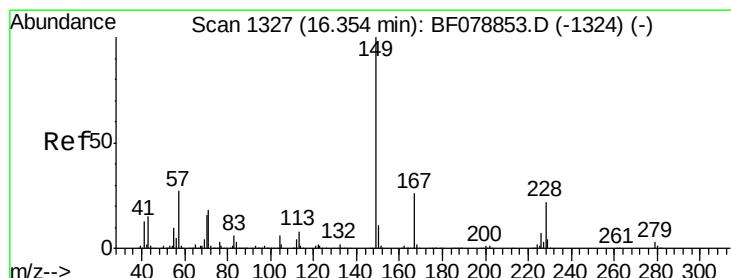
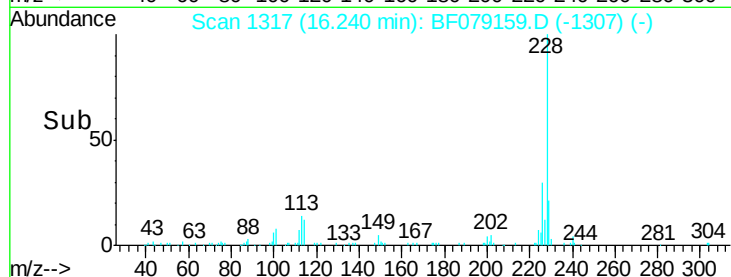
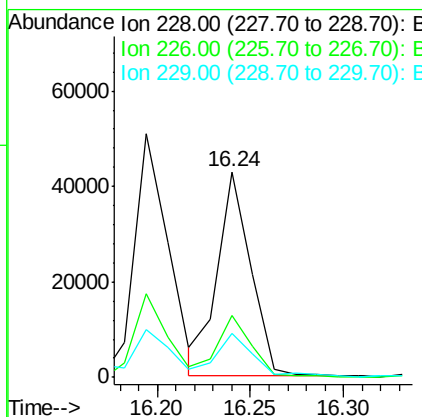
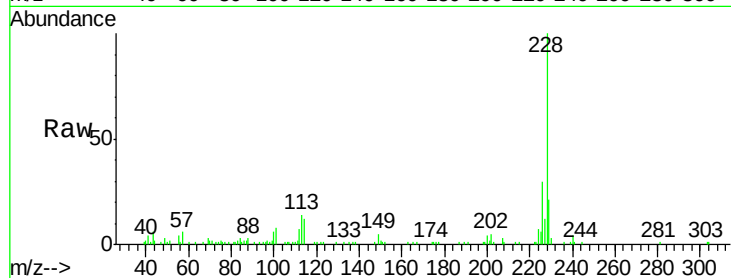




#82
 Chrysene
 Concen: 3.63 ng
 RT: 16.24 min Scan# 1317
 Delta R.T. 0.01 min
 Lab File: BF079159.D
 Acq: 12 May 2015 15:55

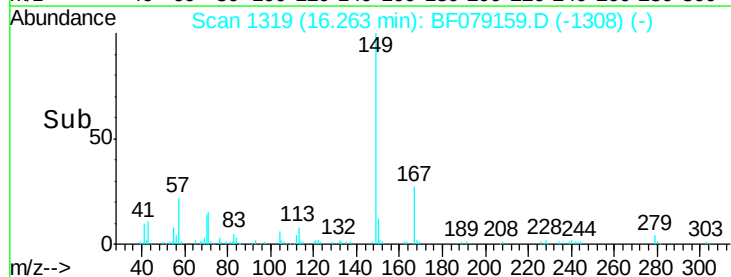
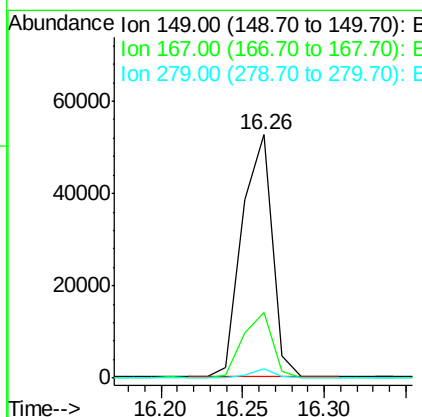
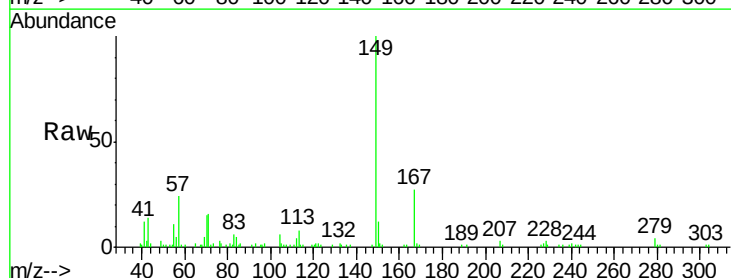
Instrument :
 BNA_F
 ClientSampleId :
 SB-43D

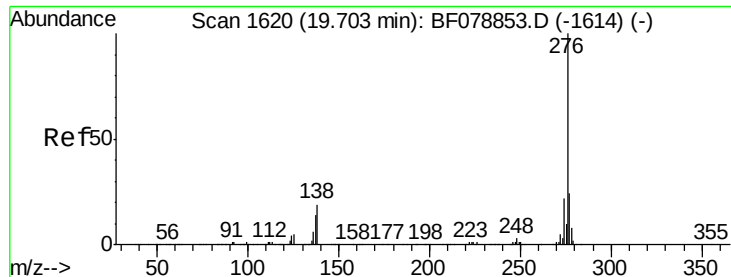
Tot Ion:228 Resp: 52933
 Ion Ratio Lower Upper
 228 100
 226 30.0 24.9 37.3
 229 21.5 16.0 24.0



#83
 Bis(2-ethylhexyl)phthalate
 Concen: 6.34 ng
 RT: 16.26 min Scan# 1319
 Delta R.T. 0.02 min
 Lab File: BF079159.D
 Acq: 12 May 2015 15:55

Tgt Ion:149 Resp: 67012
 Ion Ratio Lower Upper
 149 100
 167 27.2 21.8 32.8
 279 4.0 2.9 4.3

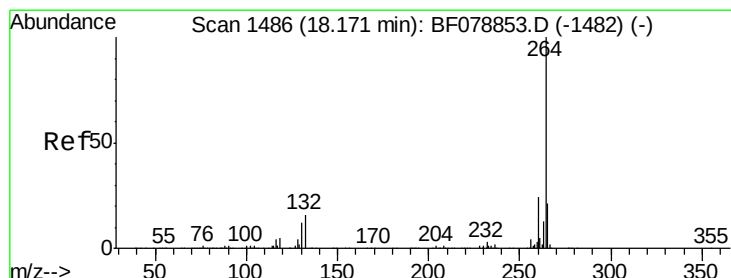
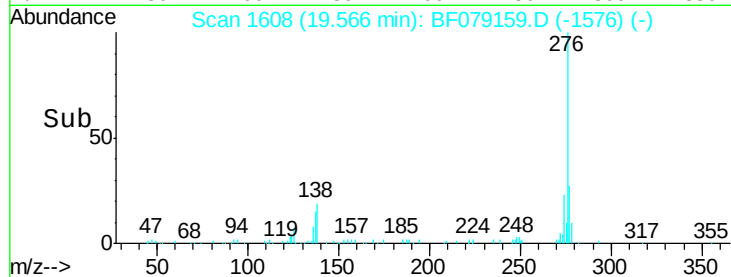
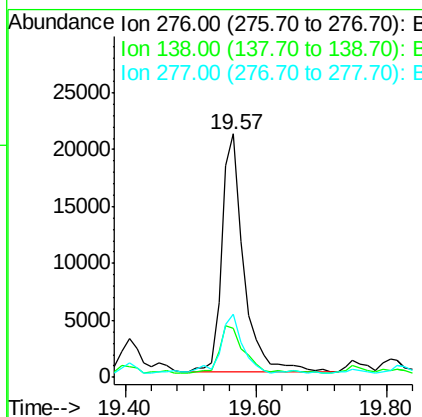
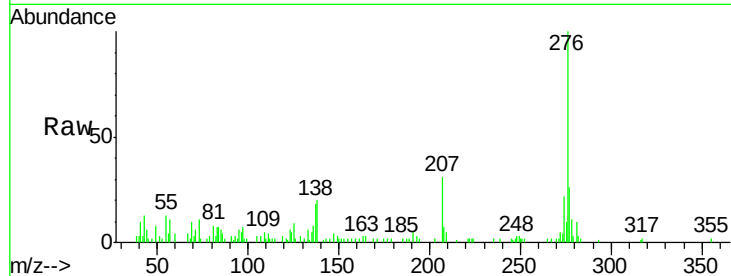




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.64 ng
 RT: 19.57 min Scan# 1608
 Delta R.T. 0.07 min
 Lab File: BF079159.D
 Acq: 12 May 2015 15:55

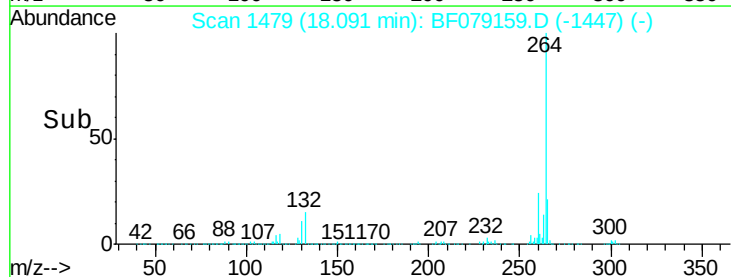
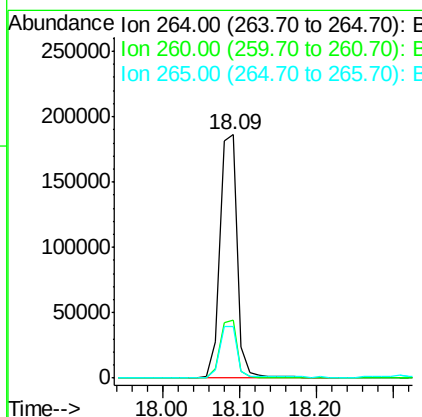
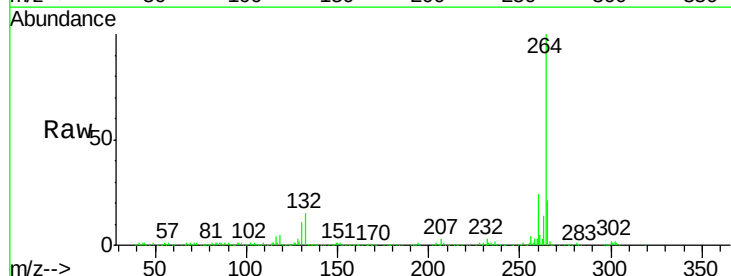
Instrument :
 BNA_F
 ClientSampled :
 SB-43D

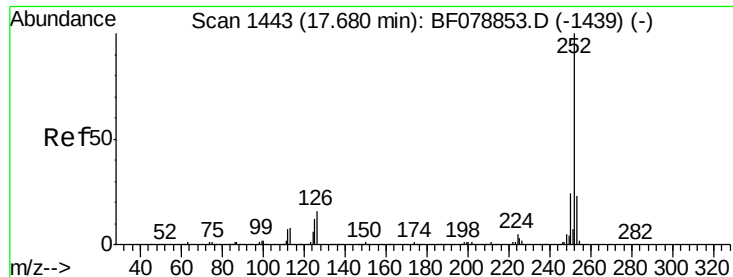
Tot Ion	Ratio	Lower	Upper
276	100		
138	23.2	0.0	0.0#
277	23.6	0.0	0.0#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 18.09 min Scan# 1479
 Delta R.T. 0.07 min
 Lab File: BF079159.D
 Acq: 12 May 2015 15:55

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.4	29.2
265	21.4	18.3	27.5

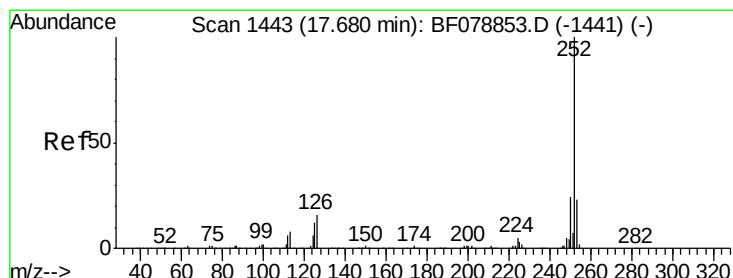
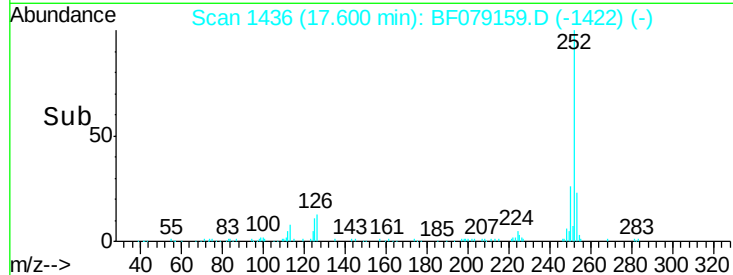
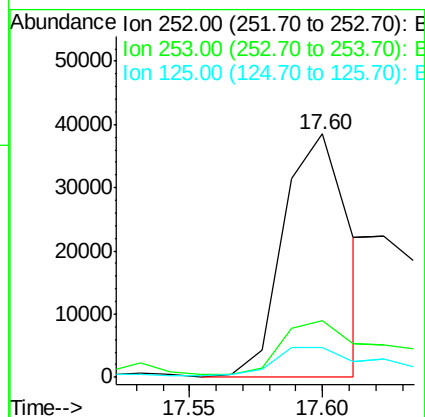
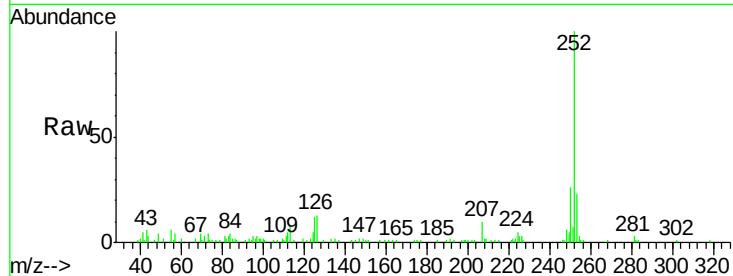




#87
Benzo(b)fluoranthene
Concen: 4.07 ng m
RT: 17.60 min Scan# 1436
Delta R.T. 0.06 min
Lab File: BF079159.D
Acq: 12 May 2015 15:55

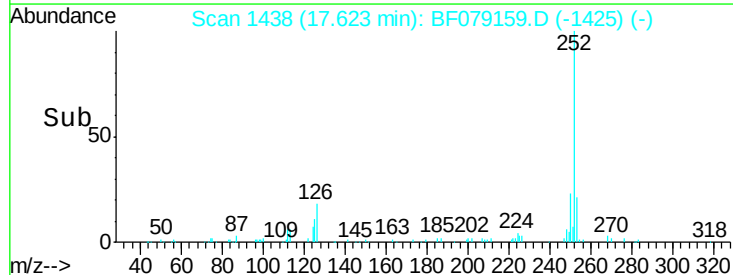
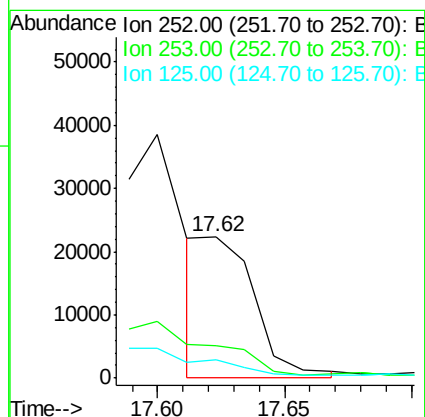
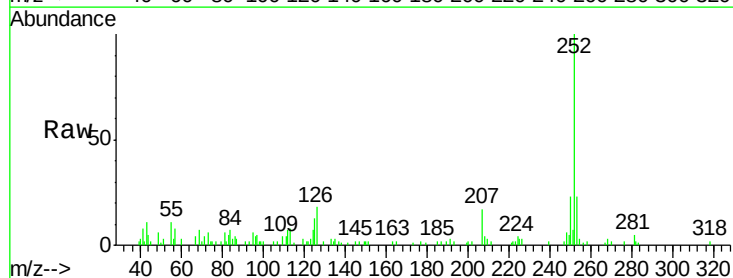
Instrument :
BNA_F
ClientSampleId :
SB-43D

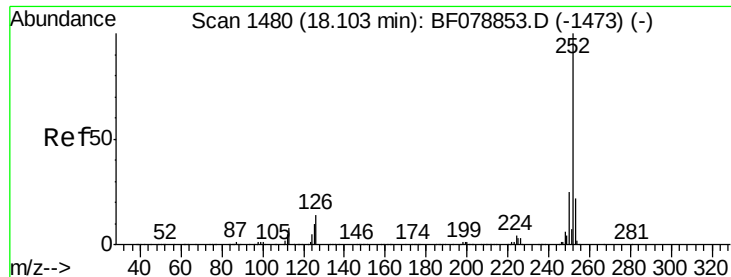
Tot Ion:252 Resp: 66426
Ion Ratio Lower Upper
252 100
253 23.4 17.7 26.5
125 12.2 9.5 14.3



#88
Benzo(k)fluoranthene
Concen: 2.02 ng m
RT: 17.62 min Scan# 1438
Delta R.T. 0.05 min
Lab File: BF079159.D
Acq: 12 May 2015 15:55

Tgt Ion:252 Resp: 32017
Ion Ratio Lower Upper
252 100
253 22.6 18.1 27.1
125 12.6 10.0 15.0





#89

Benzo(a)pyrene

Concen: 3.80 ng

RT: 18.01 min Scan# 1472

Delta R.T. 0.06 min

Lab File: BF079159.D

Acq: 12 May 2015 15:55

Instrument :

BNA_F

ClientSampleId :

SB-43D

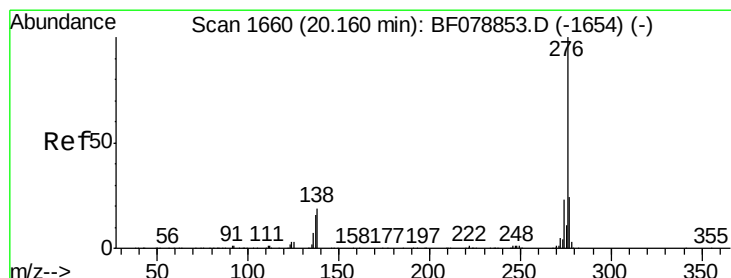
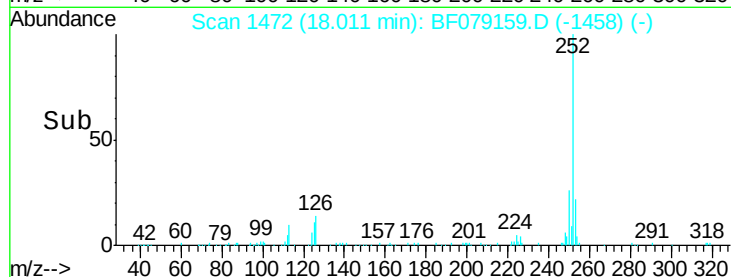
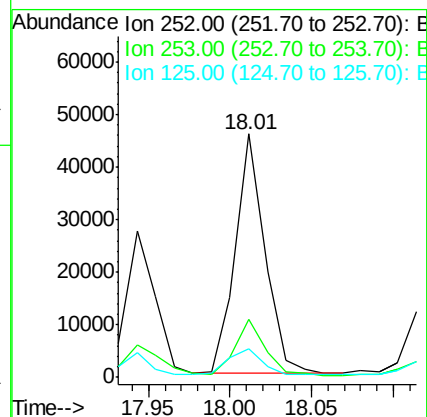
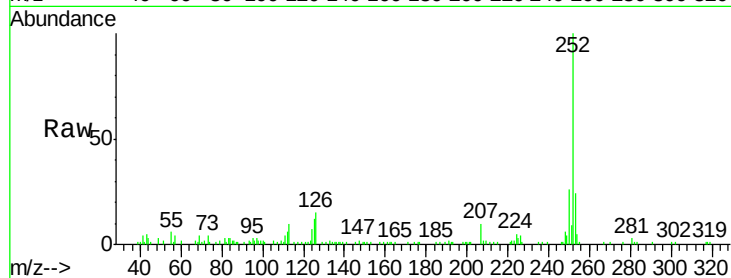
Tot Ion:252 Resp: 57220

Ion Ratio Lower Upper

252 100

253 23.8 17.3 25.9

125 11.7 7.0 10.6#



#91

Benzo(g,h,i)perylene

Concen: 2.70 ng

RT: 20.00 min Scan# 1646

Delta R.T. 0.07 min

Lab File: BF079159.D

Acq: 12 May 2015 15:55

Tgt Ion:276 Resp: 43327

Ion Ratio Lower Upper

276 100

277 25.3 18.6 28.0

138 22.0 17.4 26.0

