

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051215\
 Data File : BF079162.D
 Acq On : 12 May 2015 17:21
 Operator : TP/IZ
 Sample : G2155-12
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-42S

Quant Time: May 13 01:41:02 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

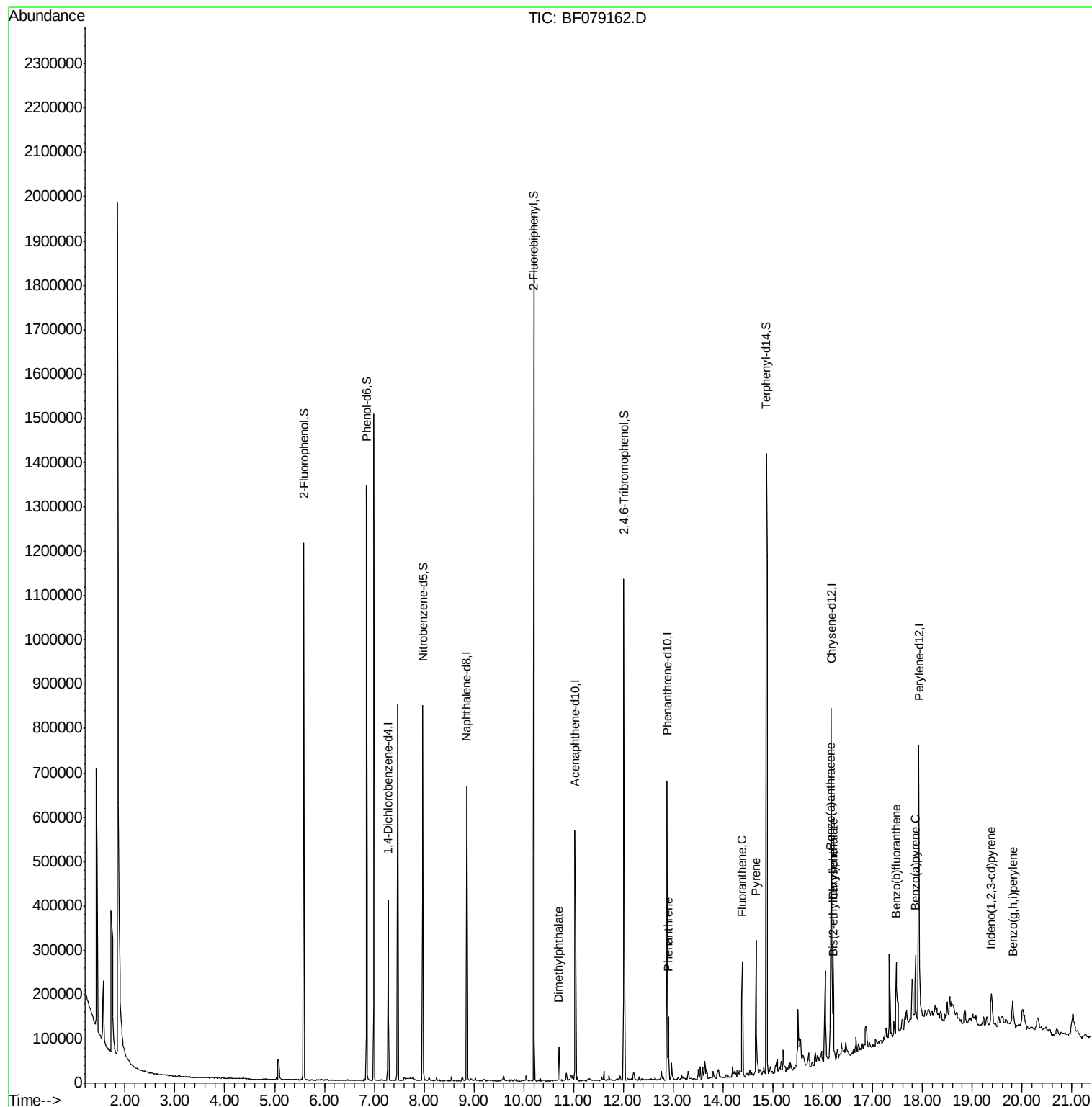
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.28	152	67140	20.00	ng	0.00
21) Naphthalene-d8	8.86	136	289962	20.00	ng	0.00
38) Acenaphthene-d10	11.03	164	141425	20.00	ng	-0.01
63) Phenanthrene-d10	12.88	188	271037	20.00	ng	0.00
75) Chrysene-d12	16.17	240	280169	20.00	ng	-0.02
86) Perylene-d12	17.93	264	298682	20.00	ng	-0.09
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	399951	102.54	ng	0.01
7) Phenol-d6	6.84	99	499687	96.92	ng	0.00
23) Nitrobenzene-d5	7.98	82	305058	60.46	ng	0.00
41) 2,4,6-Tribromophenol	12.01	330	146911	96.02	ng	0.00
44) 2-Fluorobiphenyl	10.20	172	608642	59.96	ng	0.00
78) Terphenyl-d14	14.87	244	651225	55.65	ng	-0.01
Target Compounds						Qvalue
49) Dimethylphthalate	10.71	163	30262	2.92	ng	100
70) Phenanthrene	12.90	178	57921	3.82	ng	100
74) Fluoranthene	14.39	202	136343	8.63	ng	92
77) Pyrene	14.66	202	129770	8.04	ng	98
80) Benzo(a)anthracene	16.16	228	80602	5.25	ng	98
82) Chrysene	16.21	228	60630	4.11	ng	96
83) Bis(2-ethylhexyl)phthalate	16.22	149	49074	4.59	ng	# 99
85) Indeno(1,2,3-cd)pyrene	19.38	276	50287	2.67	ng	# 100
87) Benzo(b)fluoranthene	17.47	252	102524	6.27	ng	98
89) Benzo(a)pyrene	17.86	252	66183	4.40	ng	# 97
91) Benzo(g,h,i)perylene	19.82	276	50377	3.14	ng	95

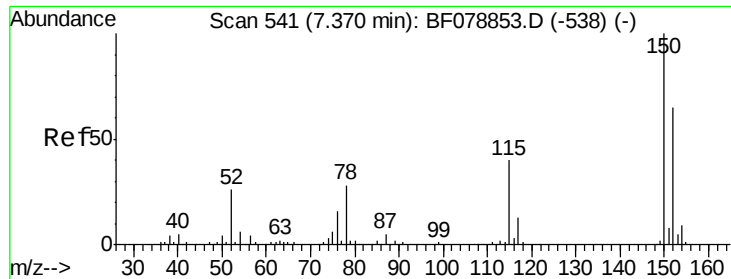
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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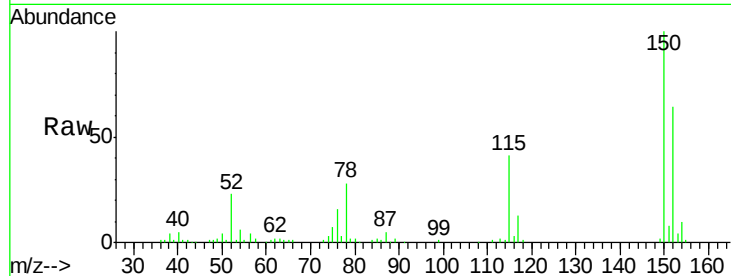


#1

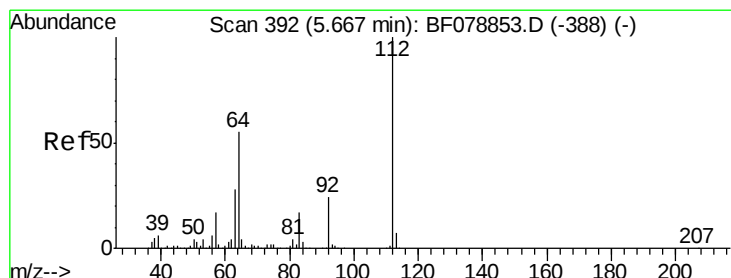
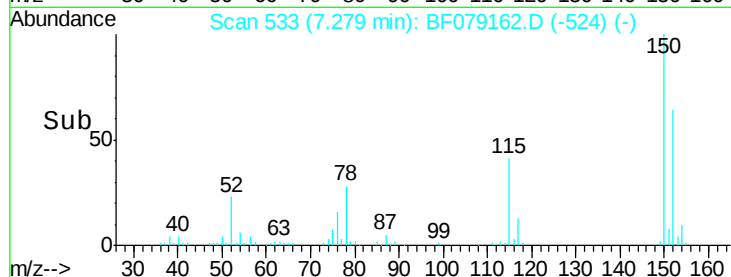
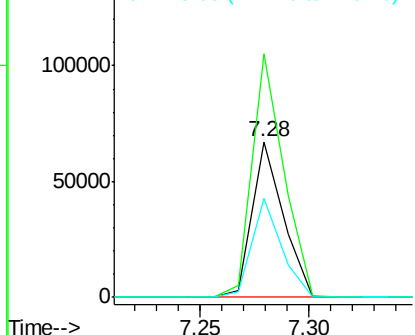
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.28 min Scan# 533
Delta R.T. 0.00 min
Lab File: BF079162.D
Acq: 12 May 2015 17:21

Instrument :
BNA_F
ClientSampleId :
SB-42S

Tot Ion:152 Resp: 67140
Ion Ratio Lower Upper
152 100
150 156.2 122.0 183.0
115 63.7 46.3 69.5



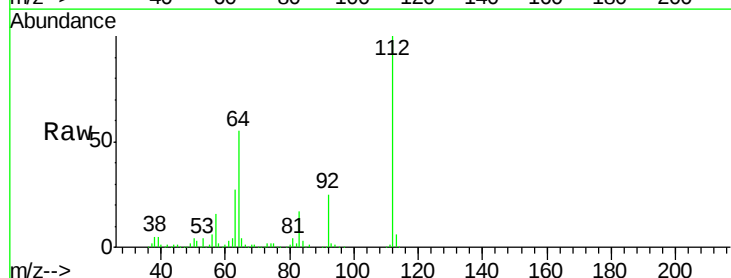
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



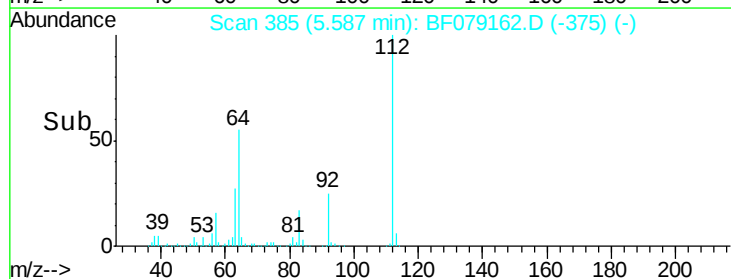
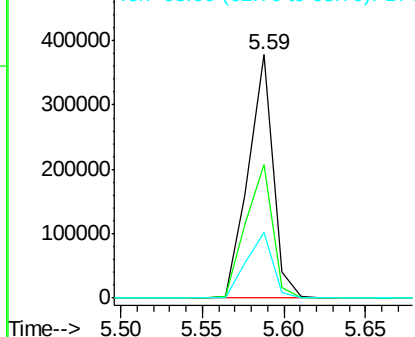
#5

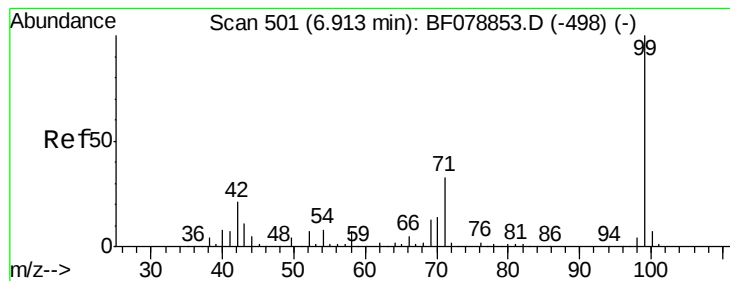
2-Fluorophenol
Concen: 102.54 ng
RT: 5.59 min Scan# 385
Delta R.T. 0.01 min
Lab File: BF079162.D
Acq: 12 May 2015 17:21

Tgt Ion:112 Resp: 399951
Ion Ratio Lower Upper
112 100
64 54.7 53.5 80.3
63 27.2 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: 96.92 ng

RT: 6.84 min Scan# 495

Delta R.T. 0.00 min

Lab File: BF079162.D

Acq: 12 May 2015 17:21

Instrument :

BNA_F

ClientSampleId :

SB-42S

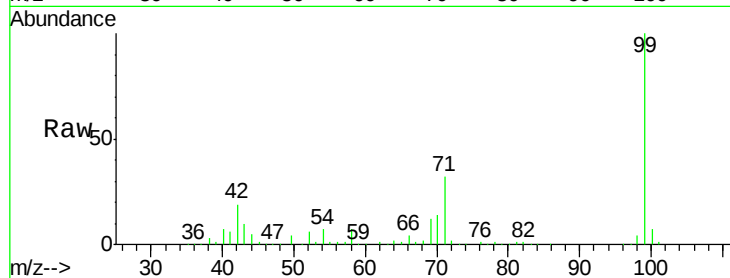
Tot Ion: 99 Resp: 499687

Ion Ratio Lower Upper

99 100

42 18.6 12.8 19.2

71 31.6 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

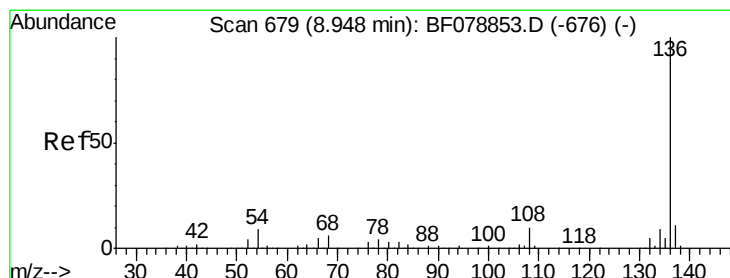
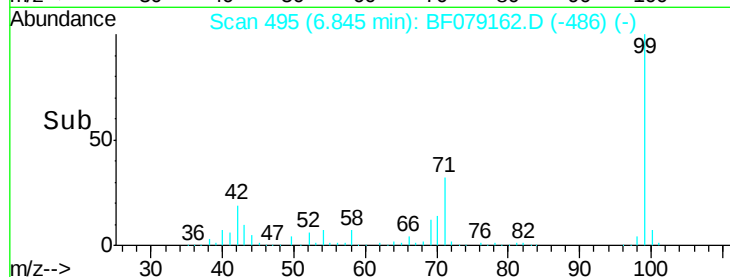
400000

200000

0

6.80 6.85 6.90

Time-->



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.86 min Scan# 671

Delta R.T. 0.00 min

Lab File: BF079162.D

Acq: 12 May 2015 17:21

Tgt Ion: 136 Resp: 289962

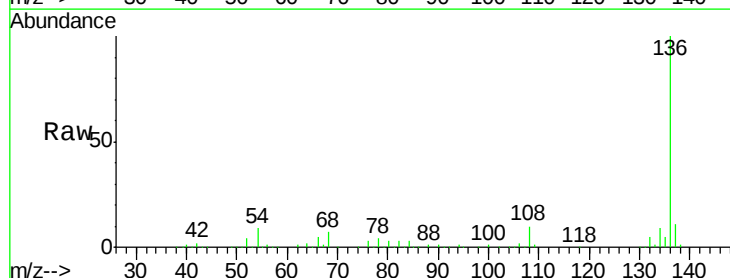
Ion Ratio Lower Upper

136 100

137 11.2 8.7 13.1

54 8.7 5.8 8.8

68 6.5 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

500000

400000

300000

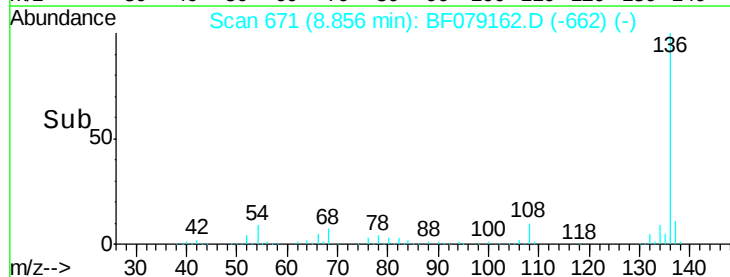
200000

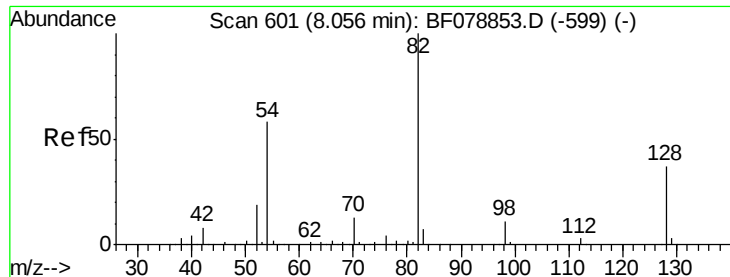
100000

0

8.80 8.85 8.90

Time-->





#23

Nitrobenzene-d5

Concen: 60.46 ng

RT: 7.98 min Scan# 594

Delta R.T. 0.00 min

Lab File: BF079162.D

Acq: 12 May 2015 17:21

Instrument :

BNA_F

ClientSampleId :

SB-42S

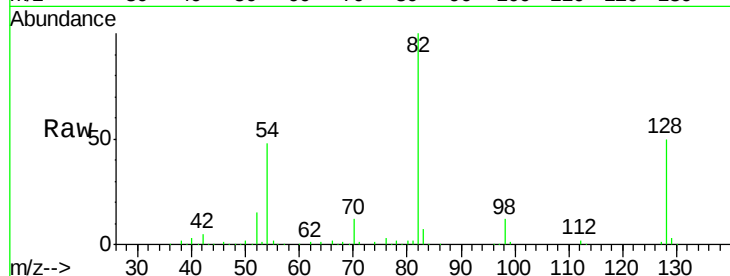
Tot Ion: 82 Resp: 305058

Ion Ratio Lower Upper

82 100

128 50.3 30.0 45.0#

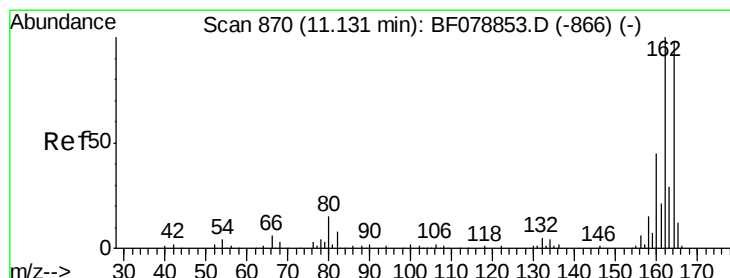
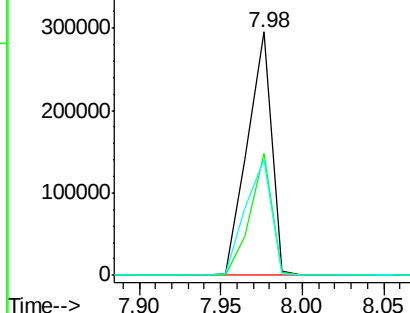
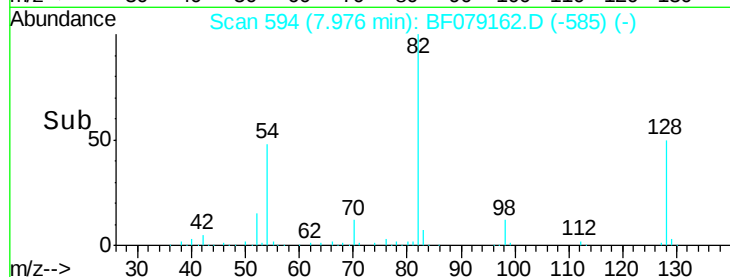
54 47.7 46.4 69.6



Abundance Ion 82.00 (81.70 to 82.70): BF079162.D (-585) (-)

Ion 128.00 (127.70 to 128.70): BF079162.D (-585) (-)

Ion 54.00 (53.70 to 54.70): BF079162.D (-585) (-)



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 11.03 min Scan# 861

Delta R.T. -0.01 min

Lab File: BF079162.D

Acq: 12 May 2015 17:21

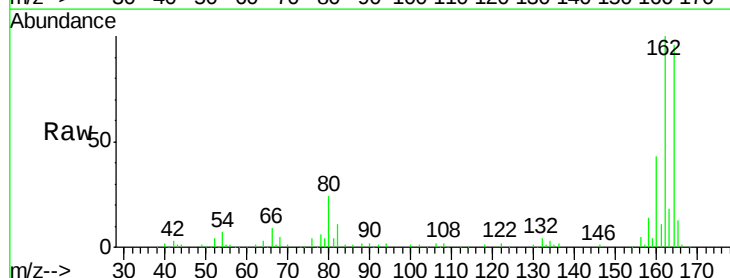
Tgt Ion: 164 Resp: 141425

Ion Ratio Lower Upper

164 100

162 103.8 82.7 124.1

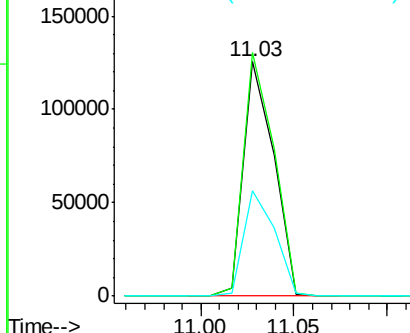
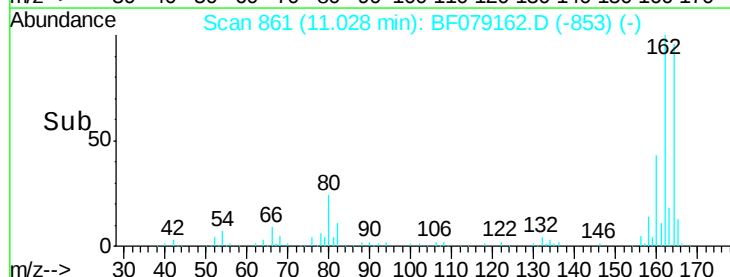
160 44.7 35.8 53.8

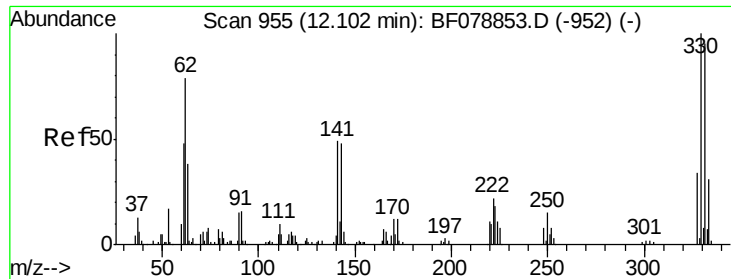


Abundance Ion 164.00 (163.70 to 164.70): BF079162.D (-853) (-)

Ion 162.00 (161.70 to 162.70): BF079162.D (-853) (-)

Ion 160.00 (159.70 to 160.70): BF079162.D (-853) (-)

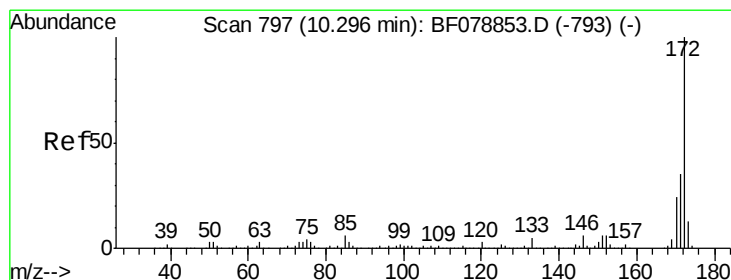
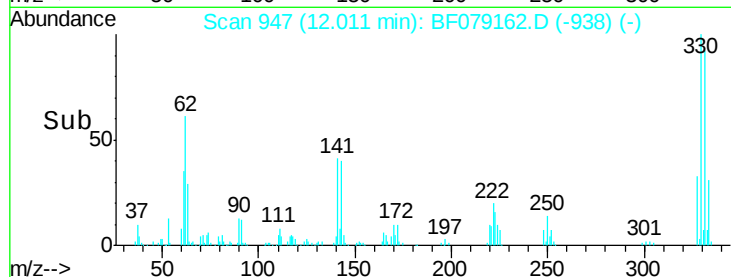
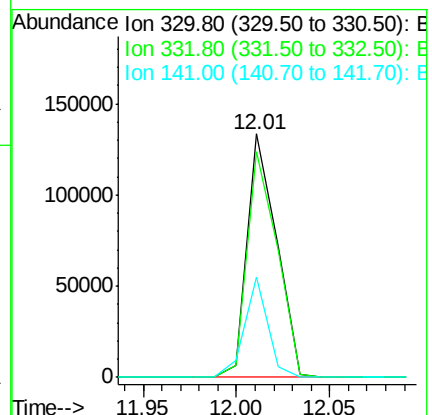
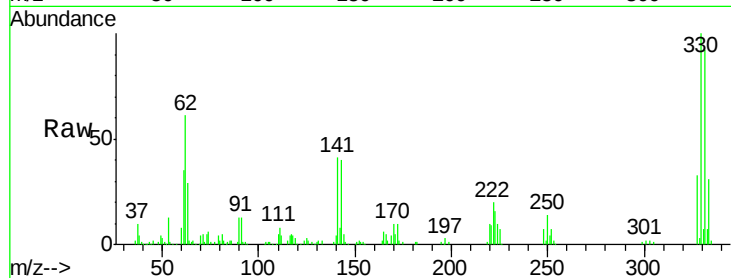




#41
 2,4,6-Tribromophenol
 Concen: 96.02 ng
 RT: 12.01 min Scan# 947
 Delta R.T. 0.00 min
 Lab File: BF079162.D
 Acq: 12 May 2015 17:21

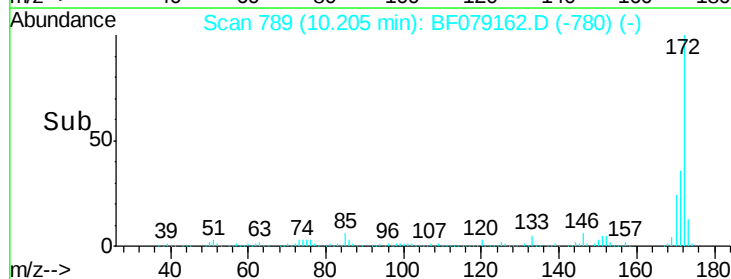
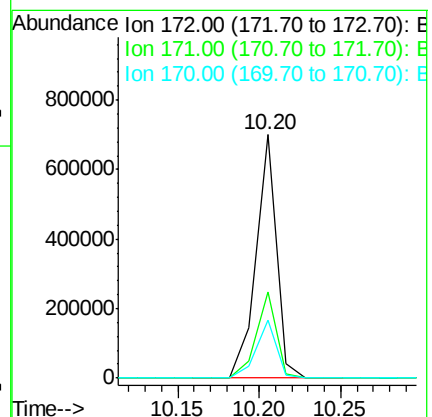
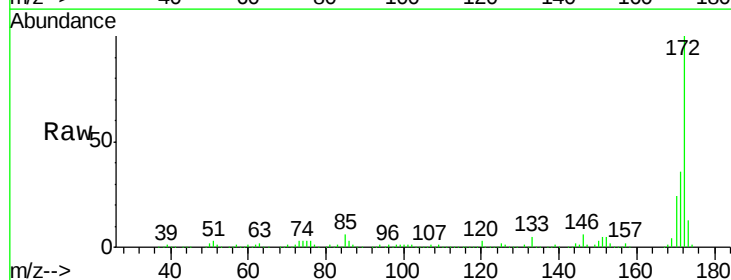
Instrument :
 BNA_F
 ClientSampleId :
 SB-42S

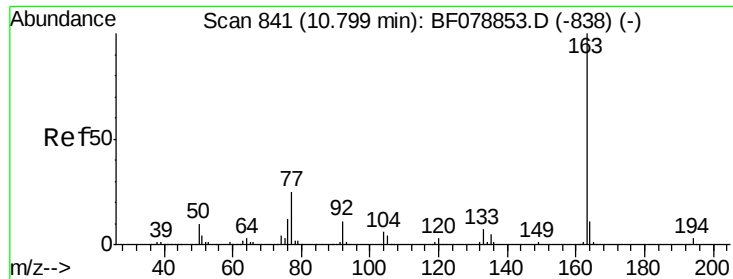
Tot Ion:330 Resp: 146911
 Ion Ratio Lower Upper
 330 100
 332 94.5 0.0 0.0#
 141 33.2 0.0 0.0#



#44
 2-Fluorobiphenyl
 Concen: 59.96 ng
 RT: 10.20 min Scan# 789
 Delta R.T. 0.00 min
 Lab File: BF079162.D
 Acq: 12 May 2015 17:21

Tgt Ion:172 Resp: 608642
 Ion Ratio Lower Upper
 172 100
 171 35.6 27.9 41.9
 170 24.1 19.4 29.0

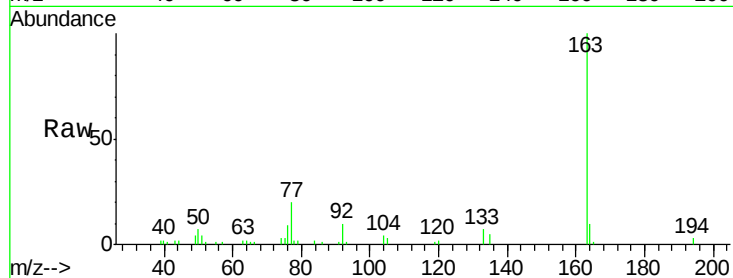




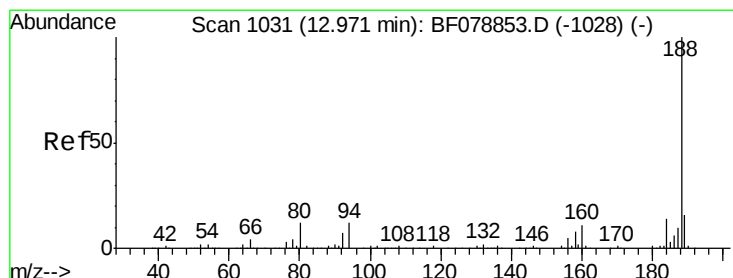
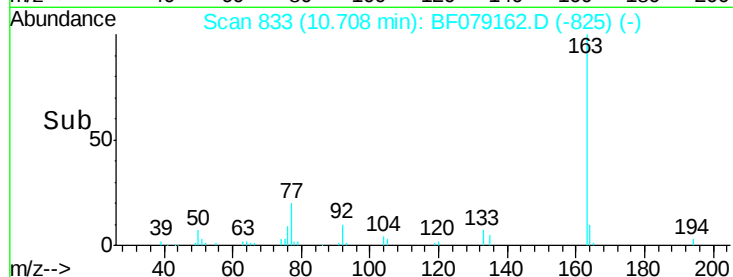
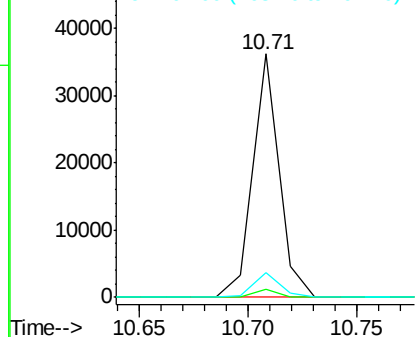
#49
Dimethylphthalate
Concen: 2.92 ng
RT: 10.71 min Scan# 833
Delta R.T. -0.01 min
Lab File: BF079162.D
Acq: 12 May 2015 17:21

Instrument :
BNA_F
ClientSampleID :
SB-42S

Tot Ion:163 Resp: 30262
Ion Ratio Lower Upper
163 100
194 3.1 2.6 4.0
164 9.9 8.1 12.1

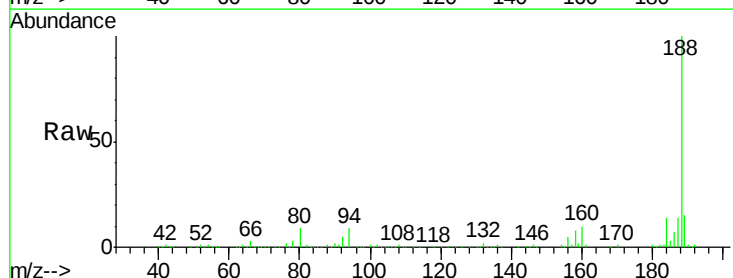


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

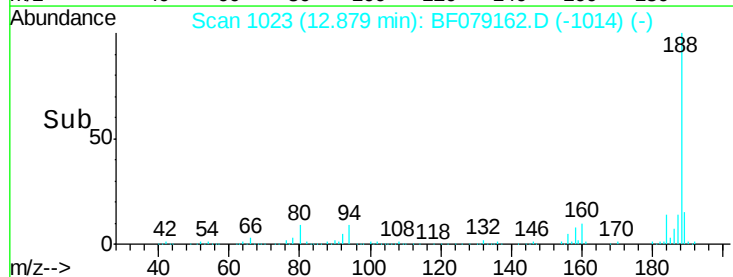
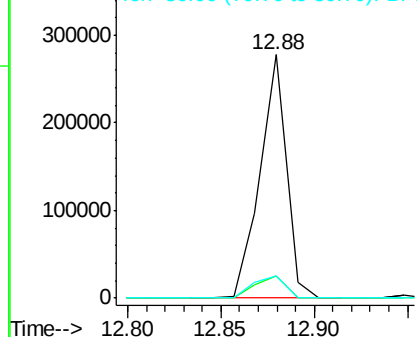


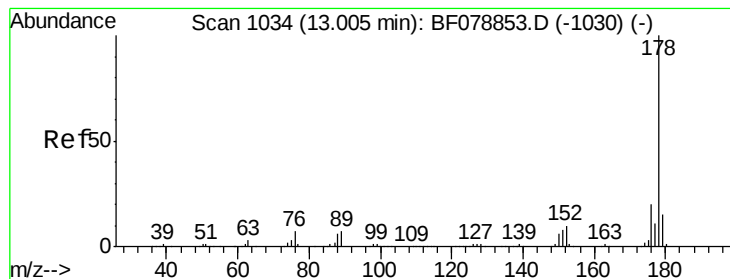
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.88 min Scan# 1023
Delta R.T. 0.00 min
Lab File: BF079162.D
Acq: 12 May 2015 17:21

Tgt Ion:188 Resp: 271037
Ion Ratio Lower Upper
188 100
94 9.2 8.2 12.2
80 9.3 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: 3.82 ng

RT: 12.90 min Scan# 1025

Delta R.T. 0.00 min

Lab File: BF079162.D

Acq: 12 May 2015 17:21

Instrument :

BNA_F

ClientSampleId :

SB-42S

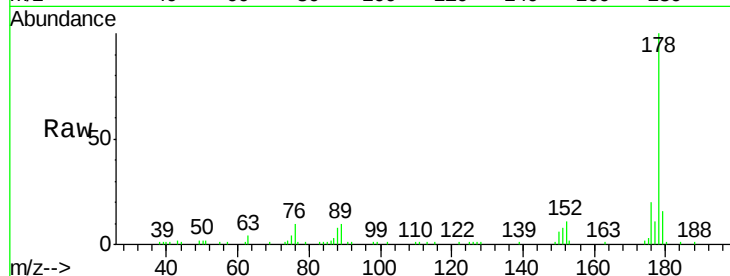
Tot Ion:178 Resp: 57921

Ion Ratio Lower Upper

178 100

176 19.8 15.8 23.8

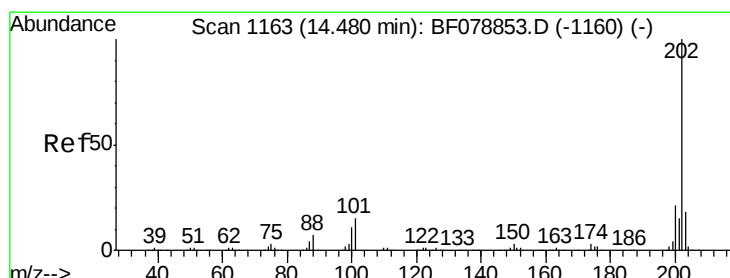
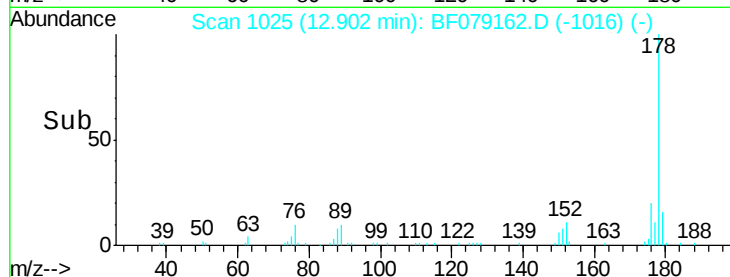
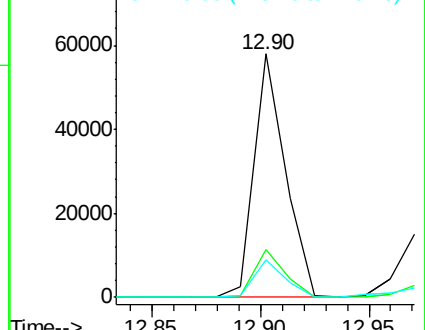
179 15.6 12.5 18.7



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



#74

Fluoranthene

Concen: 8.63 ng

RT: 14.39 min Scan# 1155

Delta R.T. 0.00 min

Lab File: BF079162.D

Acq: 12 May 2015 17:21

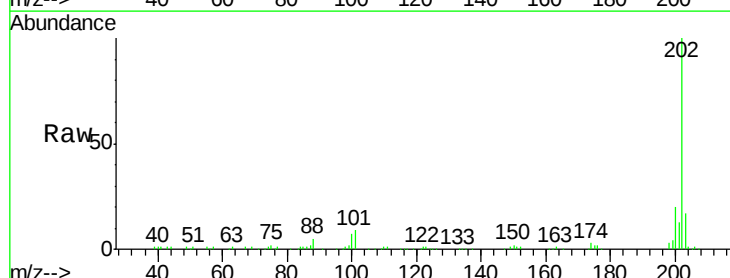
Tgt Ion:202 Resp: 136343

Ion Ratio Lower Upper

202 100

101 9.0 0.0 34.6

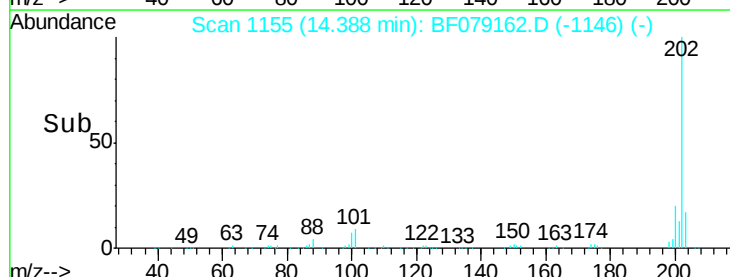
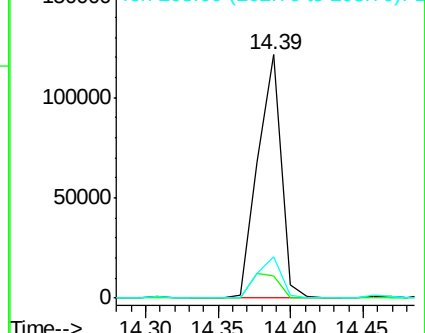
203 16.8 0.0 38.4

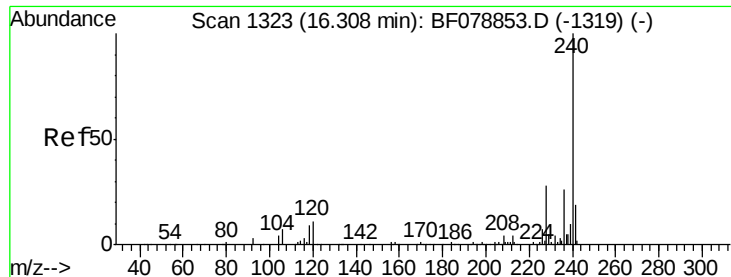


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

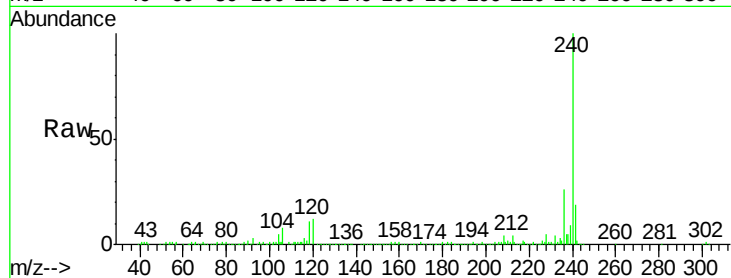




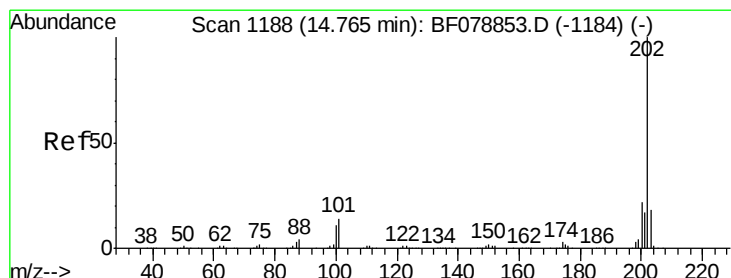
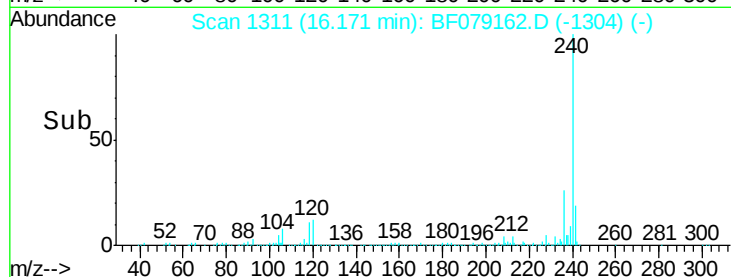
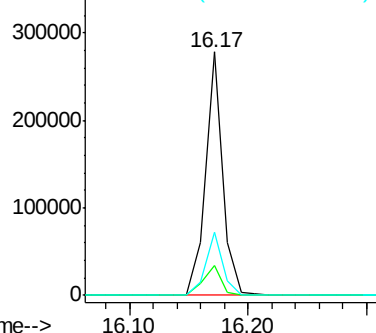
#75
Chrysene-d12
Concen: 20.00 ng
RT: 16.17 min Scan# 1311
Delta R.T. -0.02 min
Lab File: BF079162.D
Acq: 12 May 2015 17:21

Instrument :
BNA_F
ClientSampleId :
SB-42S

Tot Ion:240 Resp: 280169
Ion Ratio Lower Upper
240 100
120 12.1 9.7 14.5
236 26.0 20.2 30.4

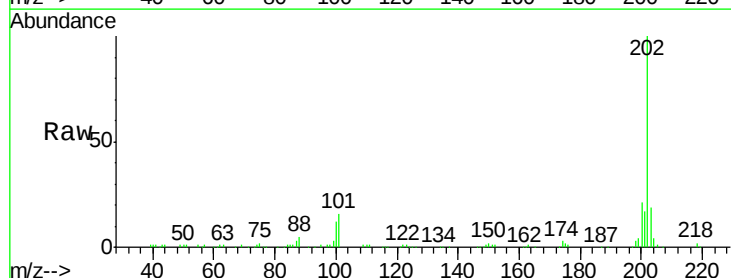


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

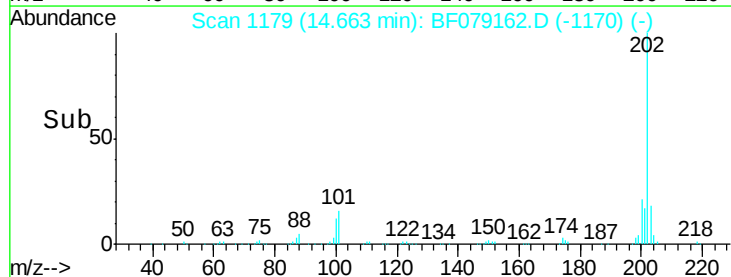
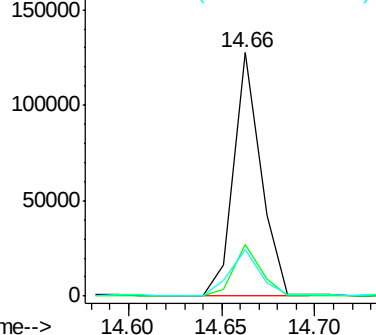


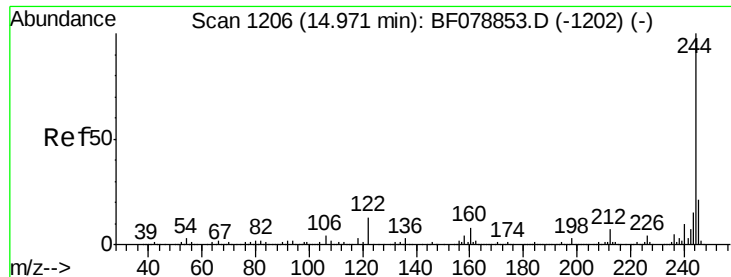
#77
Pyrene
Concen: 8.04 ng
RT: 14.66 min Scan# 1179
Delta R.T. 0.00 min
Lab File: BF079162.D
Acq: 12 May 2015 17:21

Tgt Ion:202 Resp: 129770
Ion Ratio Lower Upper
202 100
200 21.4 17.5 26.3
203 19.1 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

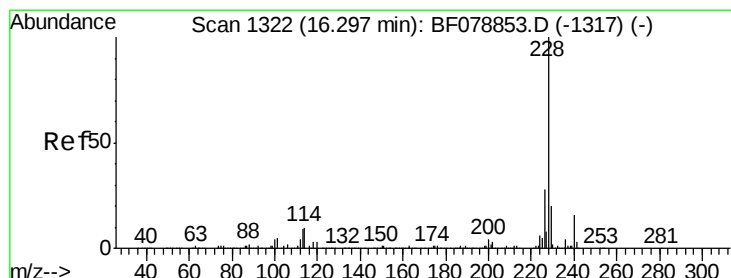
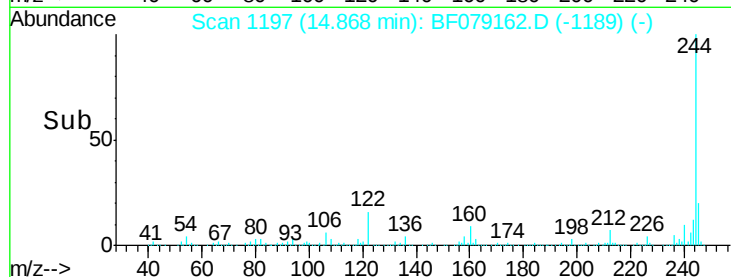
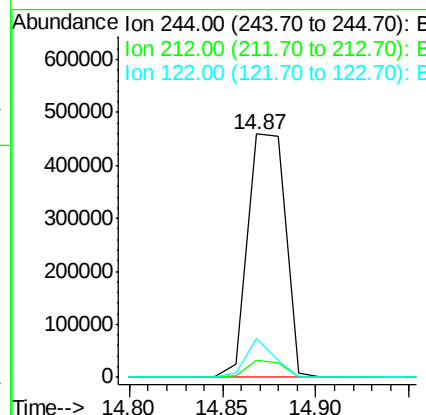
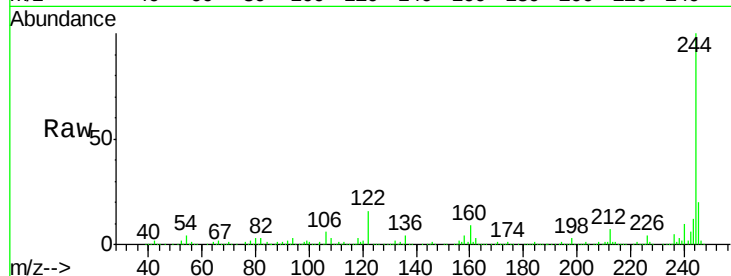




#78
 Terphenyl-d14
 Concen: 55.65 ng
 RT: 14.87 min Scan# 1197
 Delta R.T. -0.01 min
 Lab File: BF079162.D
 Acq: 12 May 2015 17:21

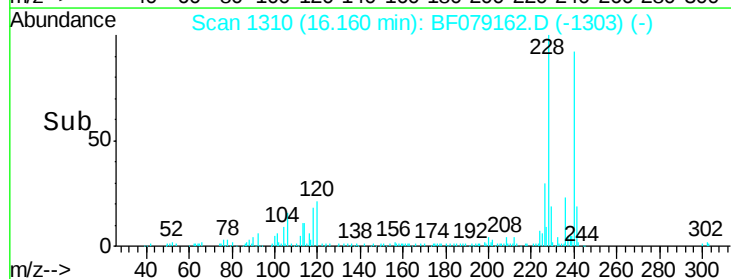
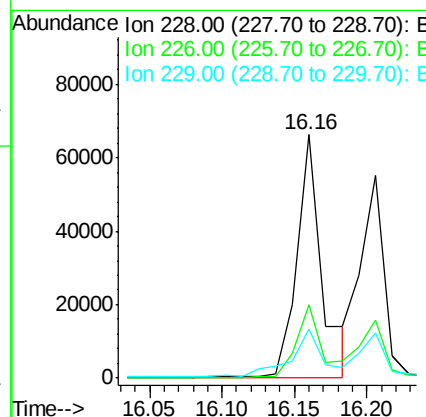
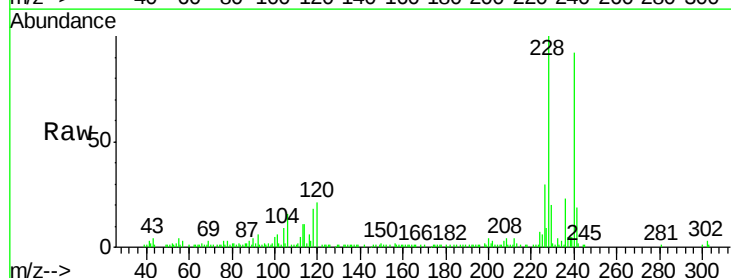
Instrument :
 BNA_F
 ClientSampleId :
 SB-42S

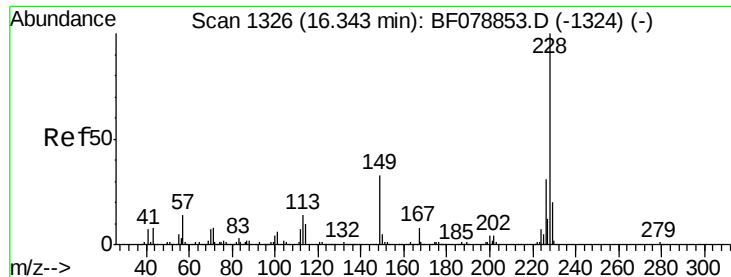
Tot Ion:244 Resp: 651225
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.6 8.4
 122 16.0 10.3 15.5#



#80
 Benzo(a)anthracene
 Concen: 5.25 ng
 RT: 16.16 min Scan# 1310
 Delta R.T. -0.02 min
 Lab File: BF079162.D
 Acq: 12 May 2015 17:21

Tgt Ion:228 Resp: 80602
 Ion Ratio Lower Upper
 228 100
 226 30.0 22.6 33.8
 229 20.0 15.9 23.9





#82

Chrysene

Concen: 4.11 ng

RT: 16.21 min Scan# 1314

Delta R.T. -0.02 min

Lab File: BF079162.D

Acq: 12 May 2015 17:21

Instrument :

BNA_F

ClientSampled :

SB-42S

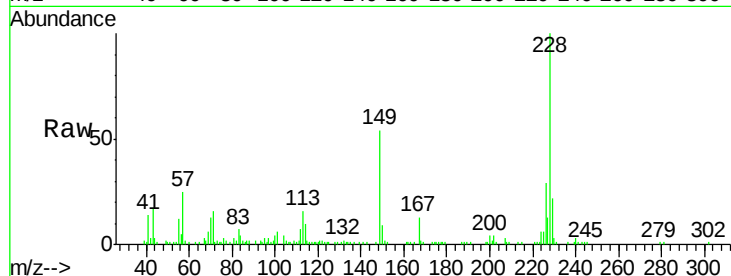
Tot Ion:228 Resp: 60630

Ion Ratio Lower Upper

228 100

226 29.0 24.9 37.3

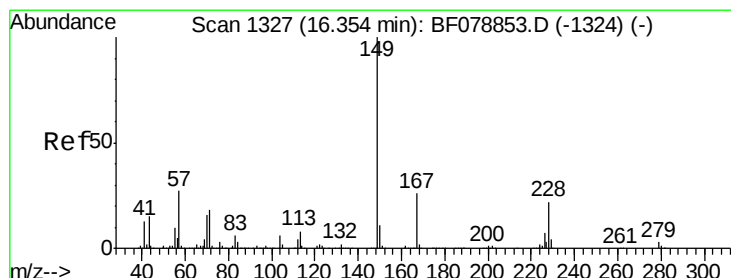
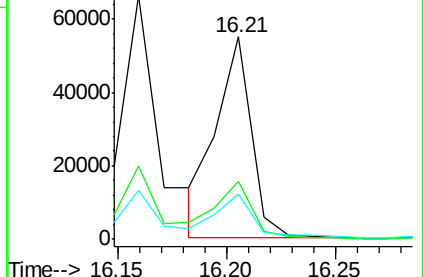
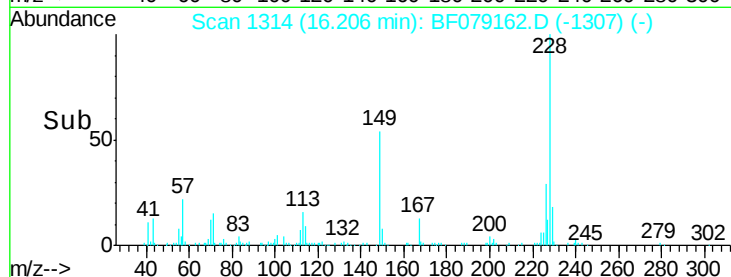
229 22.2 16.0 24.0



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 4.59 ng

RT: 16.22 min Scan# 1315

Delta R.T. -0.02 min

Lab File: BF079162.D

Acq: 12 May 2015 17:21

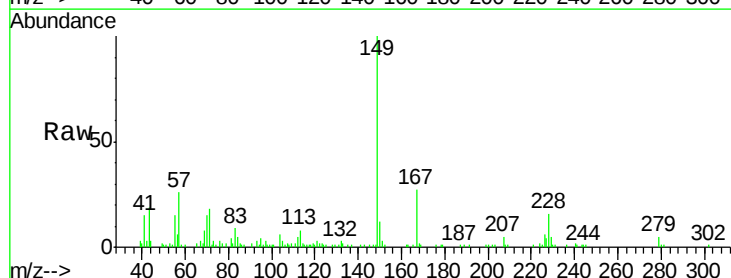
Tgt Ion:149 Resp: 49074

Ion Ratio Lower Upper

149 100

167 26.9 21.8 32.8

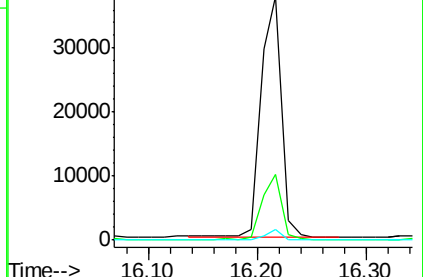
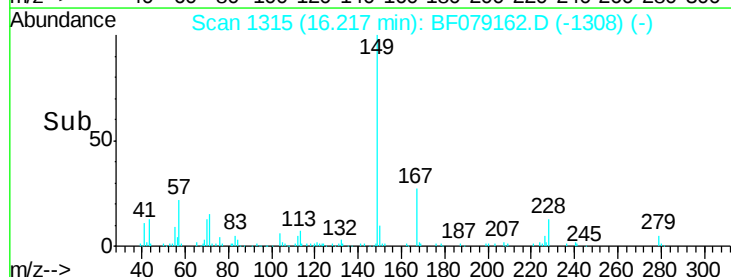
279 4.5 2.9 4.3#

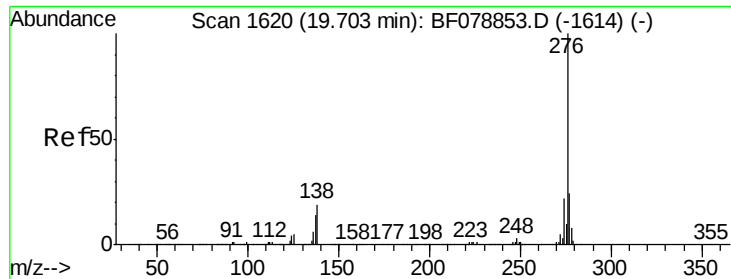


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

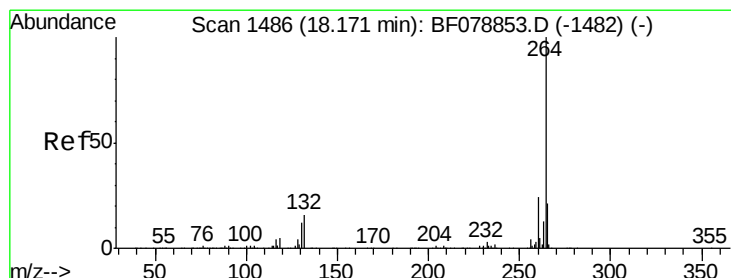
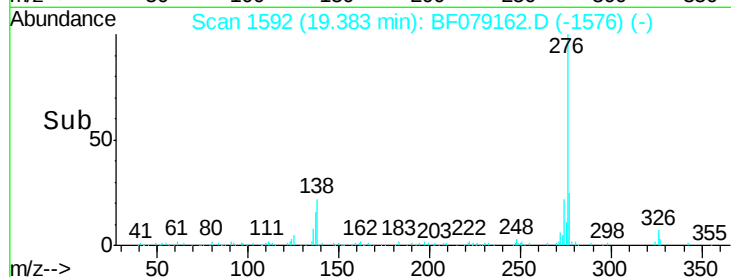
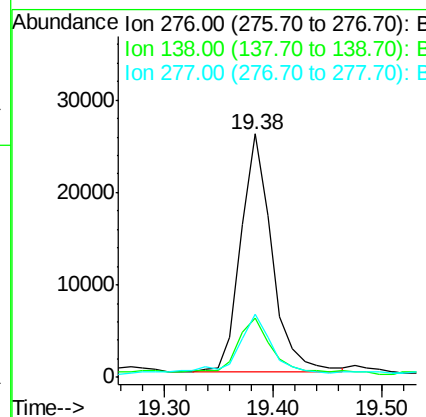
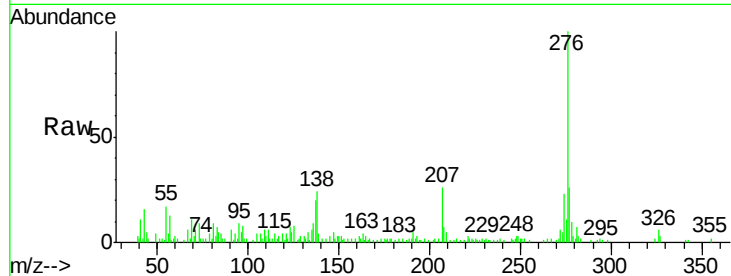




#85
Indeno(1,2,3-cd)pyrene
Concen: 2.67 ng
RT: 19.38 min Scan# 1592
Delta R.T. -0.11 min
Lab File: BF079162.D
Acq: 12 May 2015 17:21

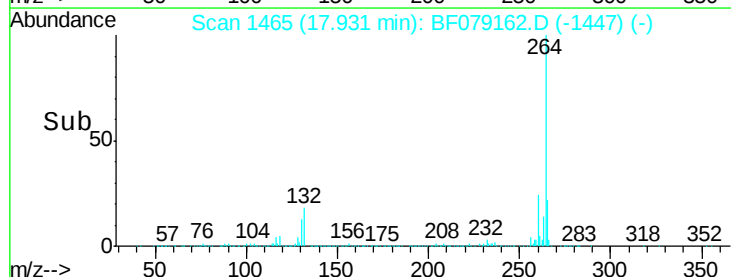
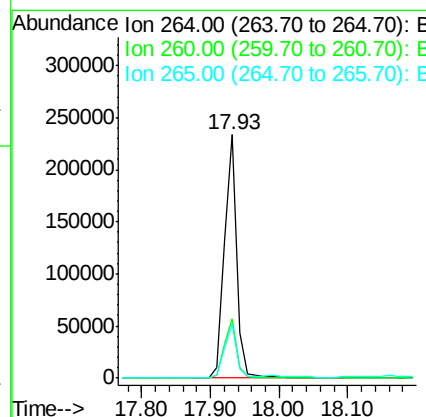
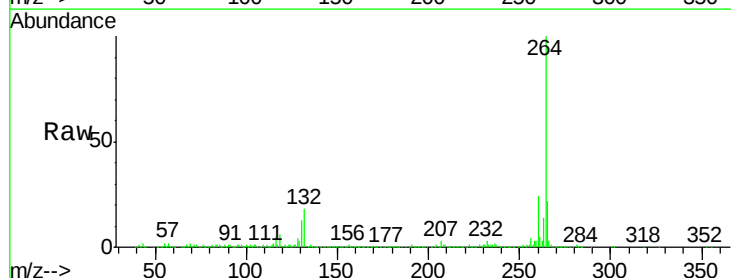
Instrument :
BNA_F
ClientSampleId :
SB-42S

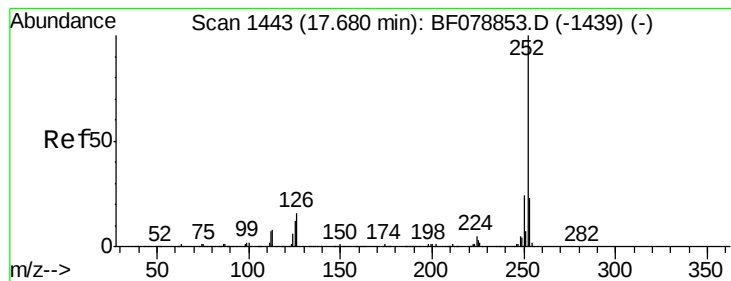
Tot Ion	Ratio	Lower	Upper
276	100		
138	24.4	0.0	0.0#
277	29.6	0.0	0.0#



#86
Perylene-d12
Concen: 20.00 ng
RT: 17.93 min Scan# 1465
Delta R.T. -0.09 min
Lab File: BF079162.D
Acq: 12 May 2015 17:21

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.4	29.2
265	22.1	18.3	27.5





#87

Benzo(b)fluoranthene

Concen: 6.27 ng

RT: 17.47 min Scan# 1425

Delta R.T. -0.07 min

Lab File: BF079162.D

Acq: 12 May 2015 17:21

Instrument :

BNA_F

ClientSampleId :

SB-42S

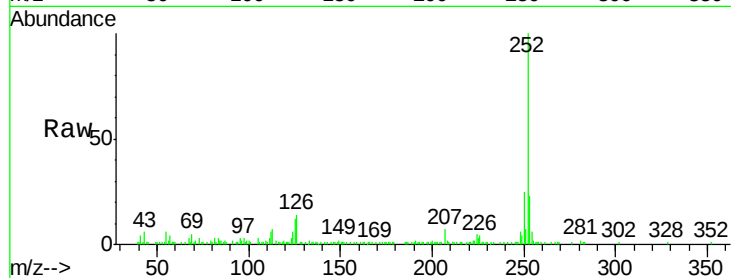
Tot Ion:252 Resp: 102524

Ion Ratio Lower Upper

252 100

253 23.2 17.7 26.5

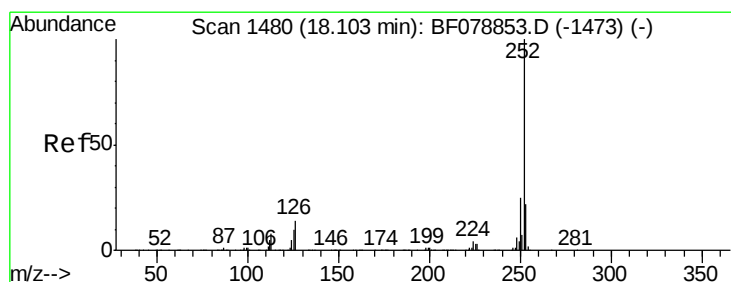
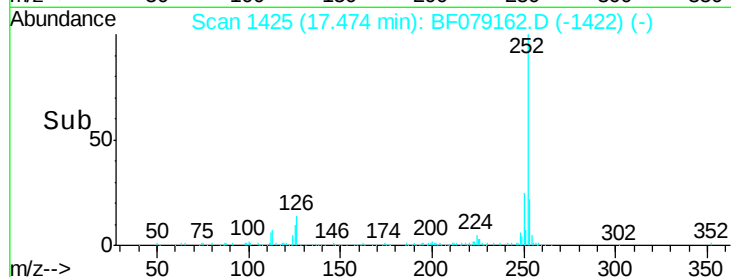
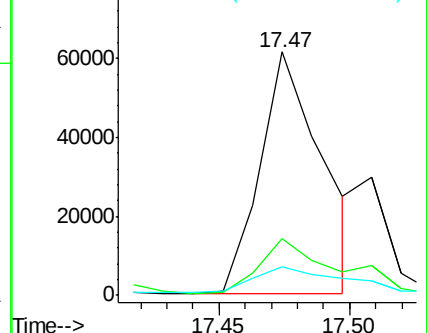
125 11.5 9.5 14.3



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



#89

Benzo(a)pyrene

Concen: 4.40 ng

RT: 17.86 min Scan# 1459

Delta R.T. -0.09 min

Lab File: BF079162.D

Acq: 12 May 2015 17:21

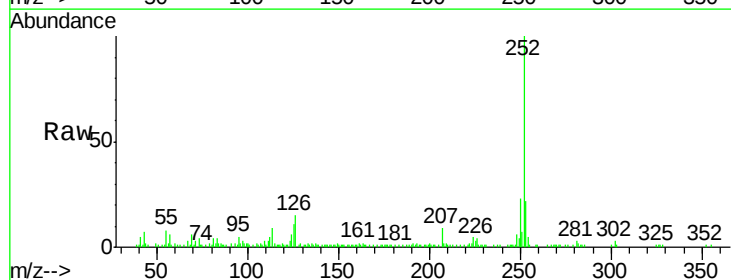
Tgt Ion:252 Resp: 66183

Ion Ratio Lower Upper

252 100

253 22.3 17.3 25.9

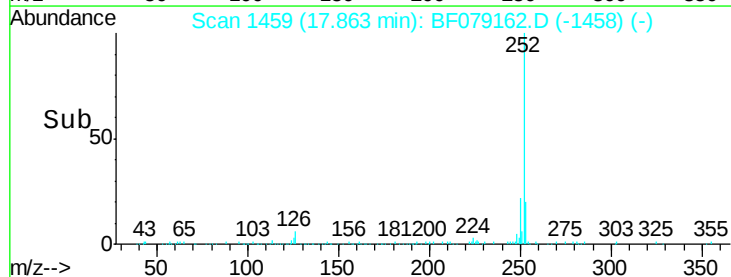
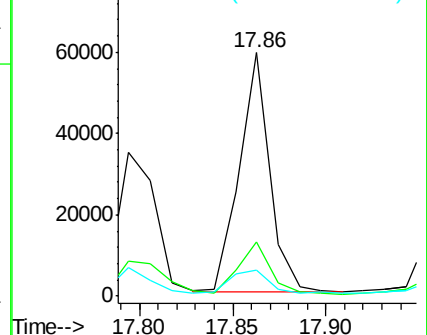
125 10.8 7.0 10.6#

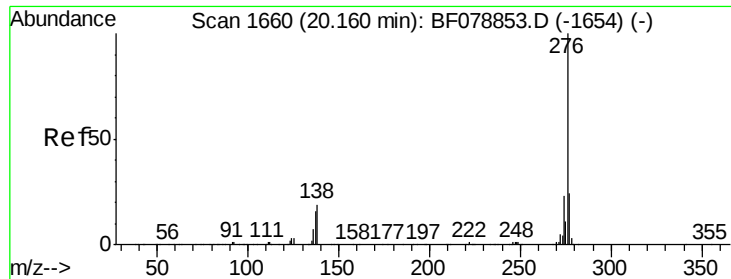


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91
 Benzo(a,h,i)perylene
 Concen: 3.14 ng
 RT: 19.82 min Scan# 1630
 Delta R.T. -0.11 min
 Lab File: BF079162.D
 Acq: 12 May 2015 17:21

Instrument :
 BNA_F
 ClientSampleId :
 SB-42S

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.8	18.6	28.0
138	25.2	17.4	26.0

