

Data Path : Z:\HPCHEM1\BNA_F\Data\BF052215\
 Data File : BF079456.D
 Acq On : 23 May 2015 5:02
 Operator : TP/IZ
 Sample : G2289-13
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-31S

Quant Time: May 23 06:49:35 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat May 23 06:12:59 2015
 Response via : Initial Calibration

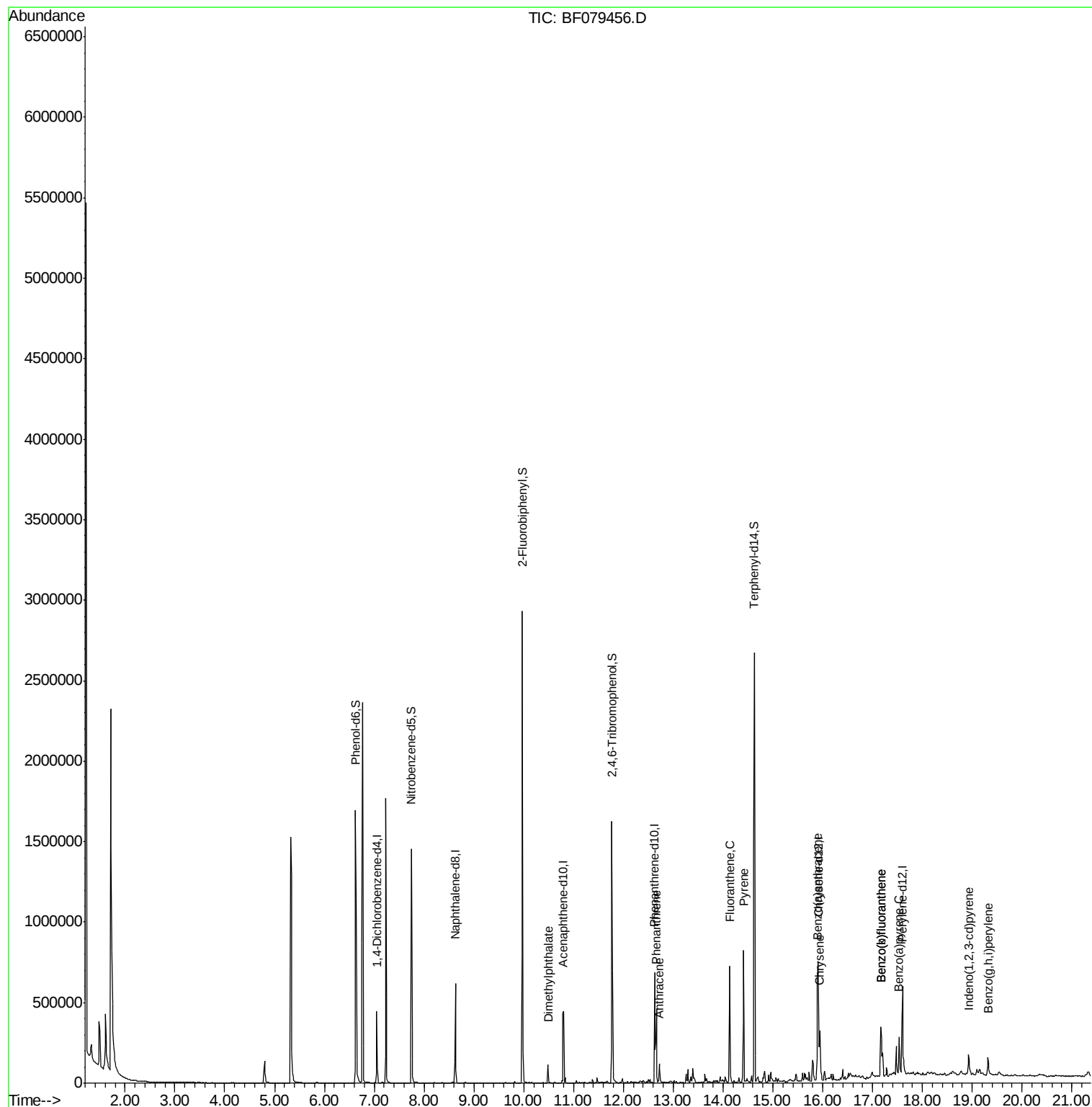
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.05	152	71860	20.00	ng	0.00
21) Naphthalene-d8	8.63	136	289070	20.00	ng	0.00
38) Acenaphthene-d10	10.80	164	137394	20.00	ng	0.00
63) Phenanthrene-d10	12.63	188	266384	20.00	ng	0.00
75) Chrysene-d12	15.91	240	256740	20.00	ng	0.00
86) Perylene-d12	17.60	264	266670	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.00	112	0	0.00	ng	
7) Phenol-d6	6.63	99	810890	146.95	ng	0.00
23) Nitrobenzene-d5	7.75	82	469737	93.39	ng	0.00
41) 2,4,6-Tribromophenol	11.77	330	245749	165.34	ng	0.00
44) 2-Fluorobiphenyl	9.98	172	934019	94.71	ng	0.00
78) Terphenyl-d14	14.63	244	1023968	95.49	ng	0.00
Target Compounds						
49) Dimethylphthalate	10.49	163	73632	7.30	ng	Qvalue # 95
70) Phenanthrene	12.66	178	219967	14.76	ng	99
71) Anthracene	12.72	178	65762	4.50	ng	100
74) Fluoranthene	14.14	202	411461	26.50	ng	94
77) Pyrene	14.41	202	361239	24.42	ng	99
80) Benzo(a)anthracene	15.90	228	187877	13.36	ng	99
82) Chrysene	15.94	228	138390	10.23	ng	98
85) Indeno(1,2,3-cd)pyrene	18.93	276	85131	4.94	ng	94
87) Benzo(b)fluoranthene	17.17	252	253203	17.35	ng	98
88) Benzo(k)fluoranthene	17.17	252	253203	17.92	ng	# 97
89) Benzo(a)pyrene	17.53	252	137723	10.25	ng	# 95
91) Benzo(g,h,i)perylene	19.31	276	83854	5.86	ng	# 94

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

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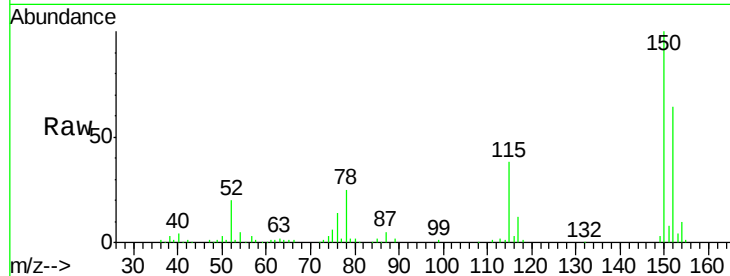




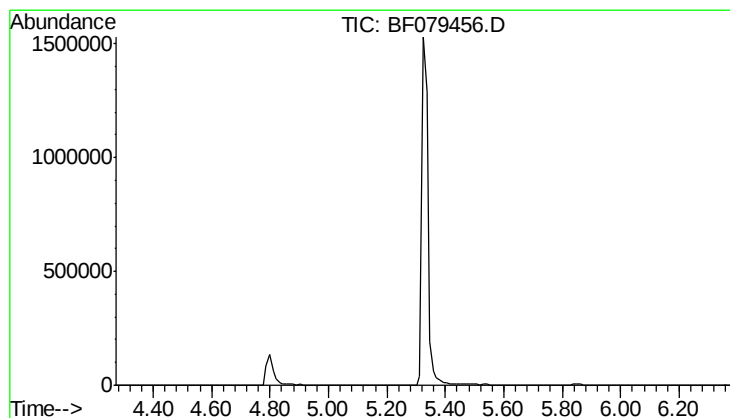
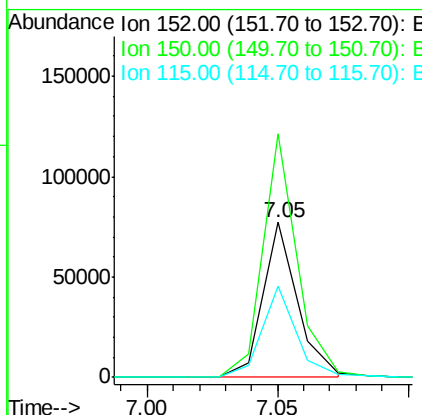
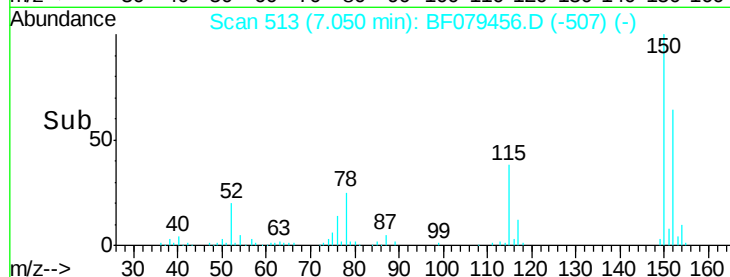
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.05 min Scan# 513
 Delta R.T. -0.00 min
 Lab File: BF079456.D
 Acq: 23 May 2015 5:02

Instrument :
 BNA_F
 ClientSampleId :
 SB-31S

Tgt Ion	Ratio	Lower	Upper
152	100		
150	157.0	123.8	185.8
115	58.9	49.4	74.0

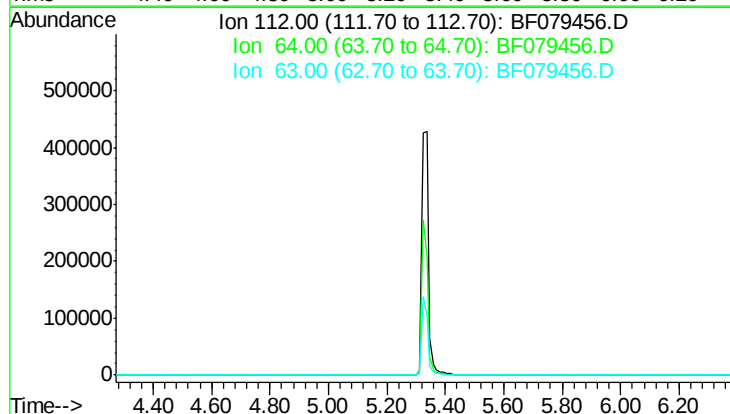


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



#5
 2-Fluorophenol
 Concen: 0.00 ng
 Expected RT: 5.32 min
 Lab File: BF079456.D
 Acq: 23 May 2015 5:02

Tgt Ion	Sig	Exp Ratio
112	100	
64	55.2	
63	28.4	





#7

Phenol-d6

Concen: 146.95 ng

RT: 6.63 min Scan# 476

Delta R.T. -0.00 min

Lab File: BF079456.D

Acq: 23 May 2015 5:02

Instrument :

BNA_F

ClientSampleId :

SB-31S

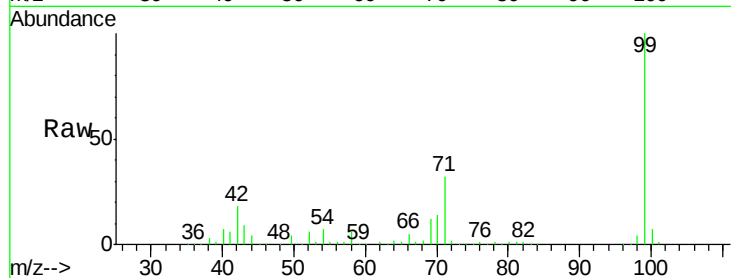
Tgt Ion: 99 Resp: 810890

Ion Ratio Lower Upper

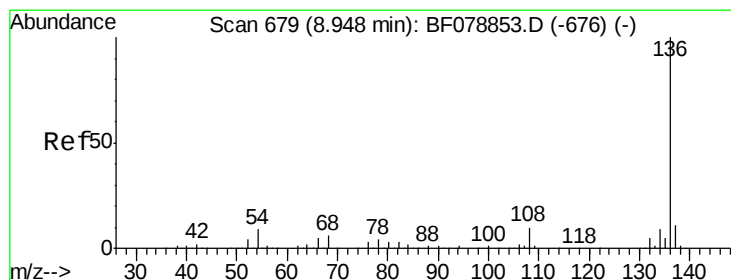
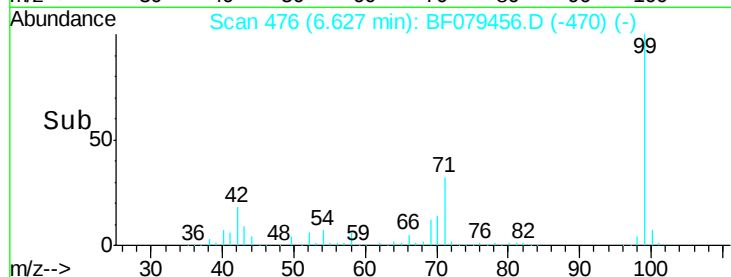
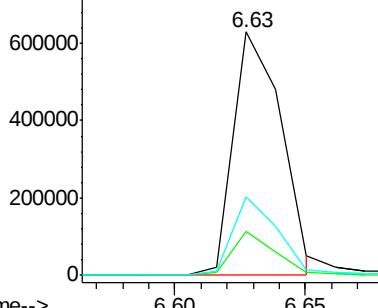
99 100

42 18.2 17.1 25.7

71 32.0 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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.63 min Scan# 651

Delta R.T. -0.00 min

Lab File: BF079456.D

Acq: 23 May 2015 5:02

Tgt Ion: 136 Resp: 289070

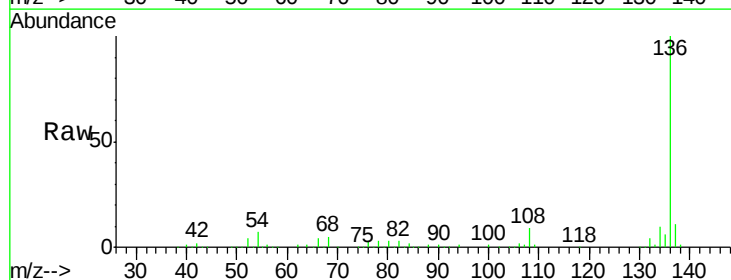
Ion Ratio Lower Upper

136 100

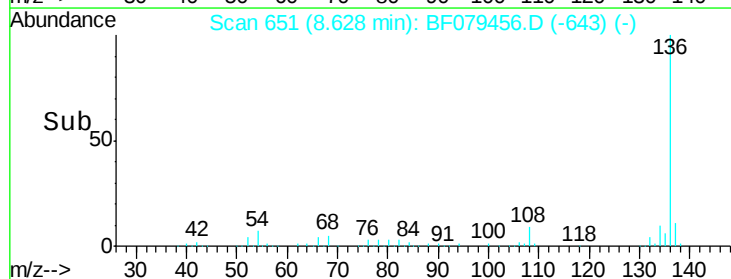
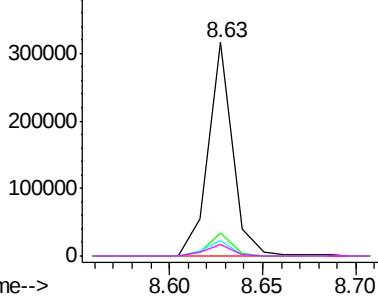
137 10.6 8.8 13.2

54 6.9 6.9 10.3

68 5.5 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





#23

Nitrobenzene-d5

Concen: 93.39 ng

RT: 7.75 min Scan# 574

Delta R.T. 0.00 min

Lab File: BF079456.D

Acq: 23 May 2015 5:02

Instrument :

BNA_F

ClientSampleId :

SB-31S

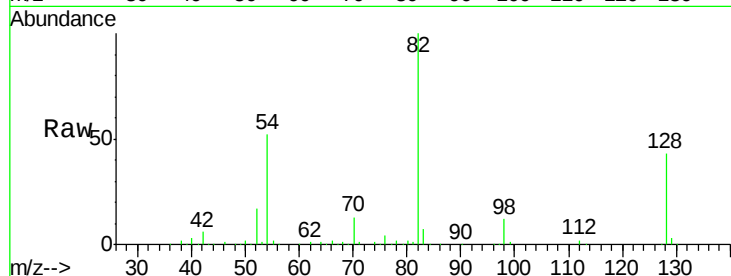
Tgt Ion: 82 Resp: 469737

Ion Ratio Lower Upper

82 100

128 43.2 29.7 44.5

54 52.0 46.2 69.4

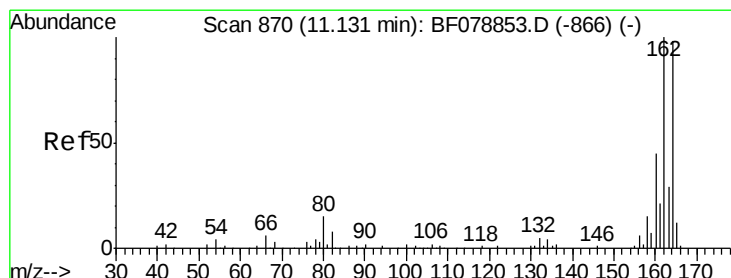
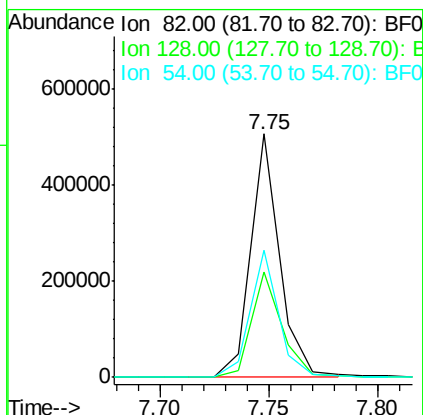
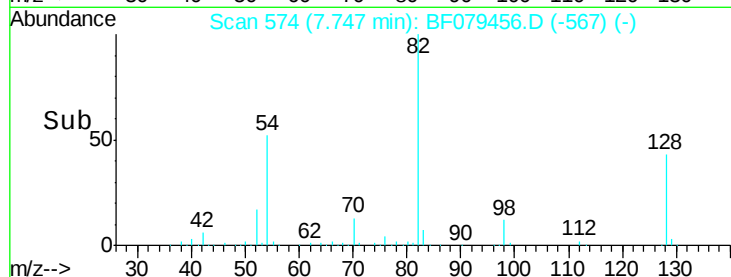


Abundance Ion 82.00 (81.70 to 82.70): BF078853.D (-599) (-)

Ion 128.00 (127.70 to 128.70): BF078853.D (-599) (-)

Ion 54.00 (53.70 to 54.70): BF078853.D (-599) (-)

Time-->



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 10.80 min Scan# 841

Delta R.T. 0.00 min

Lab File: BF079456.D

Acq: 23 May 2015 5:02

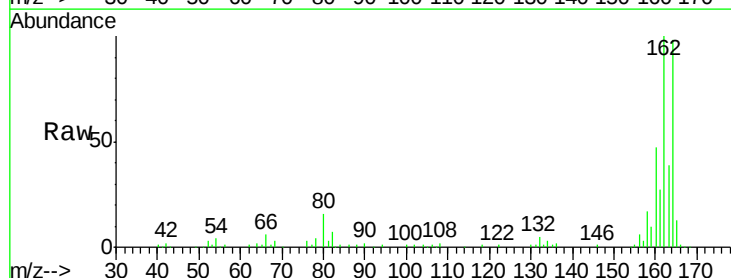
Tgt Ion: 164 Resp: 137394

Ion Ratio Lower Upper

164 100

162 101.6 81.4 122.0

160 47.5 36.6 54.8

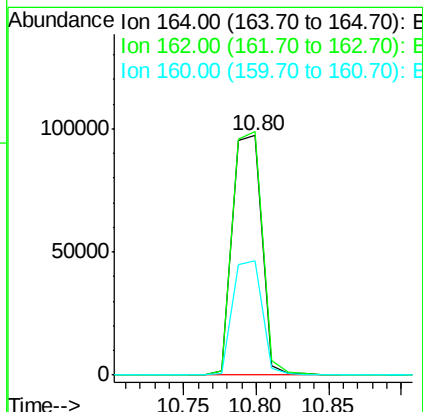
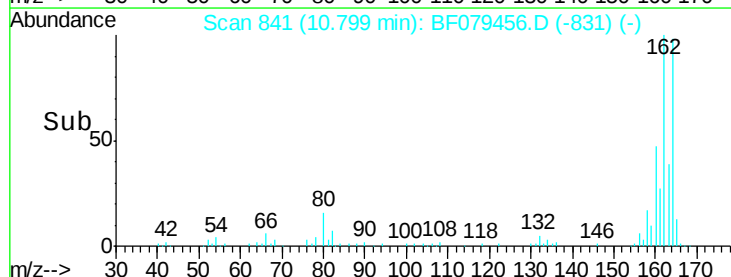


Abundance Ion 164.00 (163.70 to 164.70): BF078853.D (-866) (-)

Ion 162.00 (161.70 to 162.70): BF078853.D (-866) (-)

Ion 160.00 (159.70 to 160.70): BF078853.D (-866) (-)

Time-->

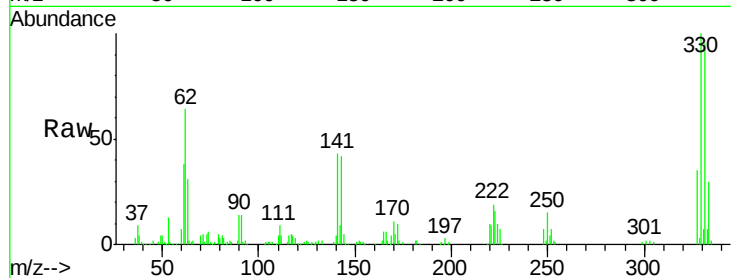




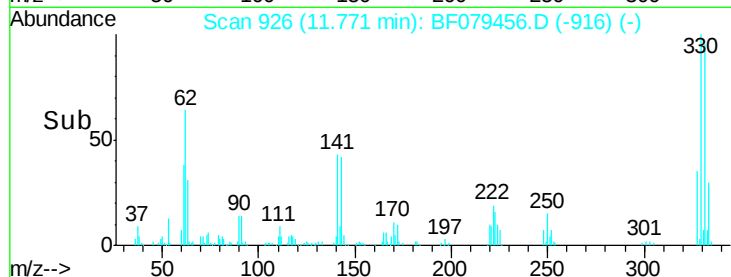
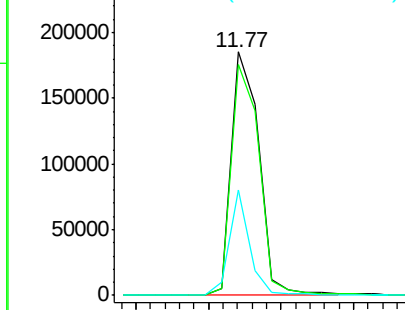
#41
 2,4,6-Tribromophenol
 Concen: 165.34 ng
 RT: 11.77 min Scan# 926
 Delta R.T. -0.00 min
 Lab File: BF079456.D
 Acq: 23 May 2015 5:02

Instrument :
 BNA_F
 ClientSampleId :
 SB-31S

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.7	76.9	115.3
141	32.4	27.8	41.8

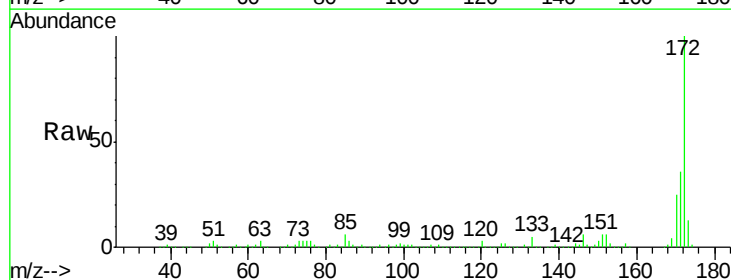


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

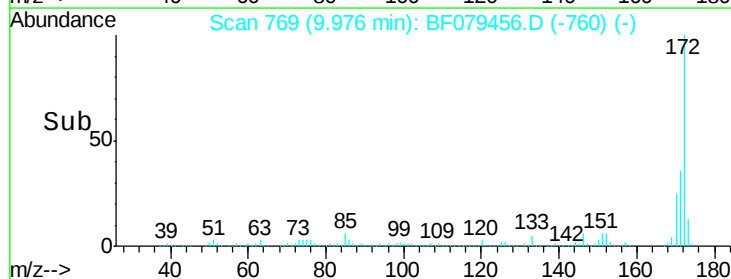
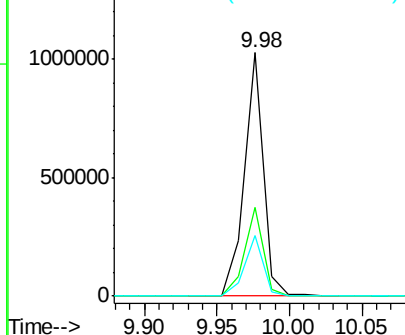


#44
 2-Fluorobiphenyl
 Concen: 94.71 ng
 RT: 9.98 min Scan# 769
 Delta R.T. -0.00 min
 Lab File: BF079456.D
 Acq: 23 May 2015 5:02

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	28.3	42.5
170	24.6	19.4	29.2



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: 7.30 ng

RT: 10.49 min Scan# 814

Delta R.T. 0.00 min

Lab File: BF079456.D

Acq: 23 May 2015 5:02

Instrument :

BNA_F

ClientSampleId :

SB-31S

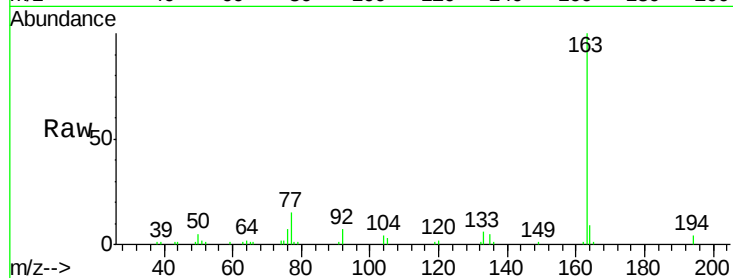
Tgt Ion:163 Resp: 73632

Ion Ratio Lower Upper

163 100

194 3.8 2.4 3.6#

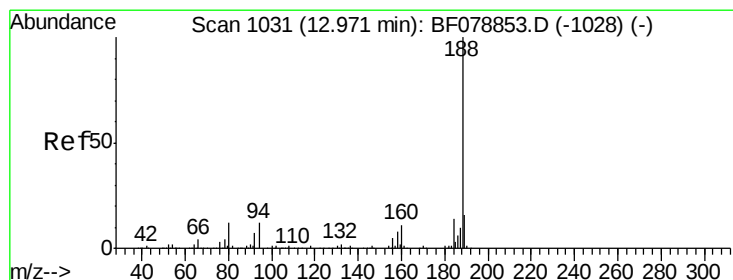
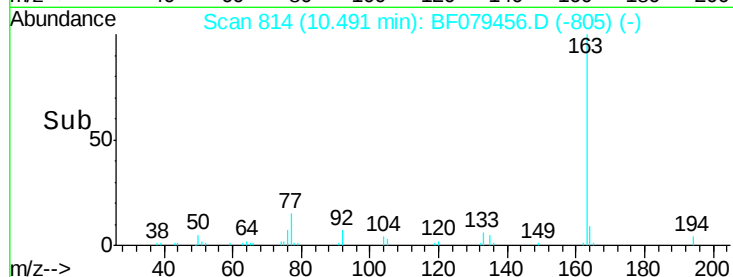
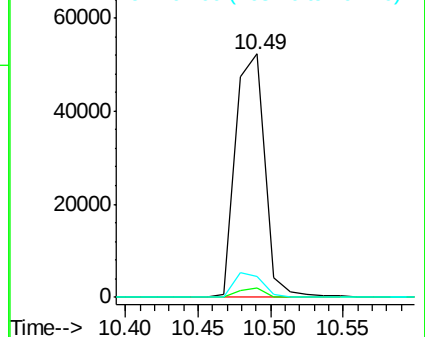
164 8.7 8.6 12.8



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: 12.63 min Scan# 1001

Delta R.T. 0.00 min

Lab File: BF079456.D

Acq: 23 May 2015 5:02

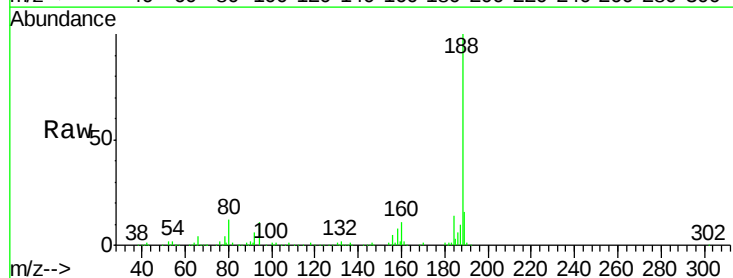
Tgt Ion:188 Resp: 266384

Ion Ratio Lower Upper

188 100

94 10.7 9.4 14.0

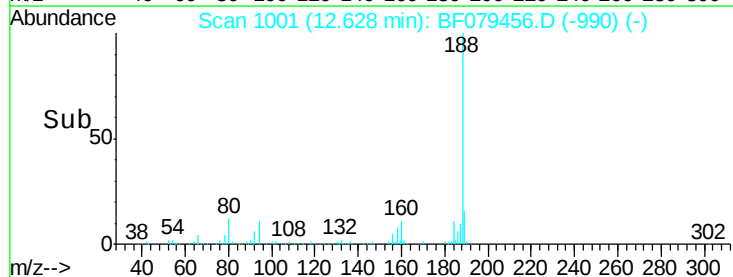
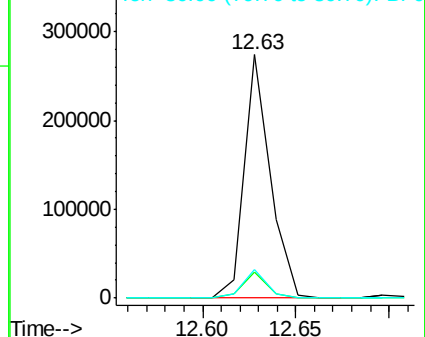
80 11.6 9.8 14.6

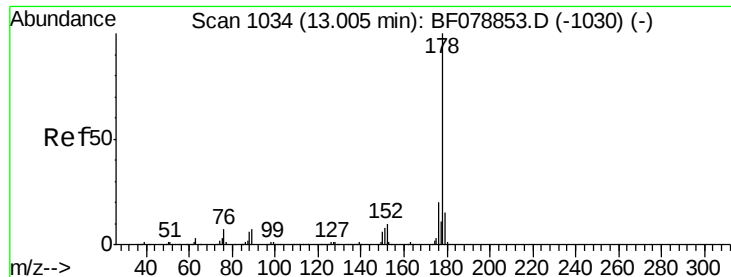


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 14.76 ng

RT: 12.66 min Scan# 1004

Delta R.T. -0.00 min

Lab File: BF079456.D

Acq: 23 May 2015 5:02

Instrument :

BNA_F

ClientSampled :

SB-31S

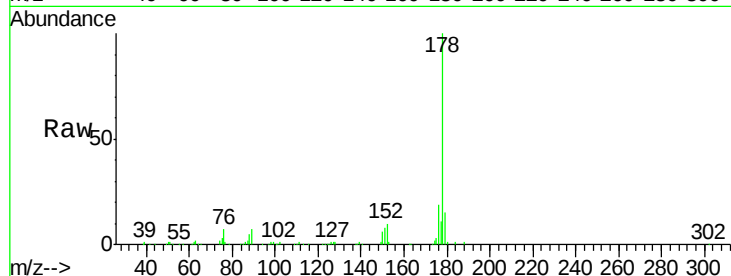
Tgt Ion:178 Resp: 219967

Ion Ratio Lower Upper

178 100

176 19.0 15.9 23.9

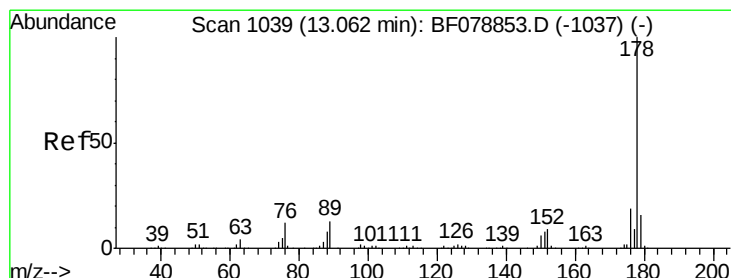
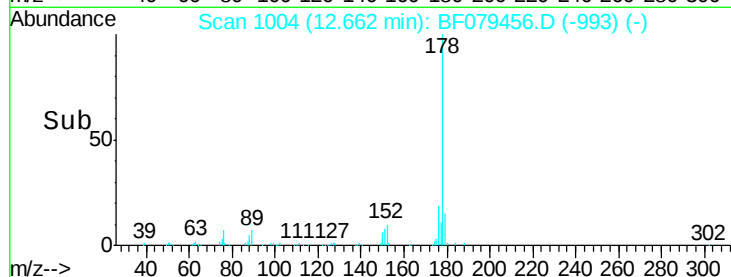
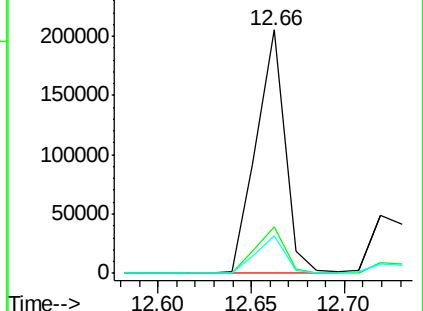
179 15.2 12.2 18.4



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



#71

Anthracene

Concen: 4.50 ng

RT: 12.72 min Scan# 1009

Delta R.T. -0.00 min

Lab File: BF079456.D

Acq: 23 May 2015 5:02

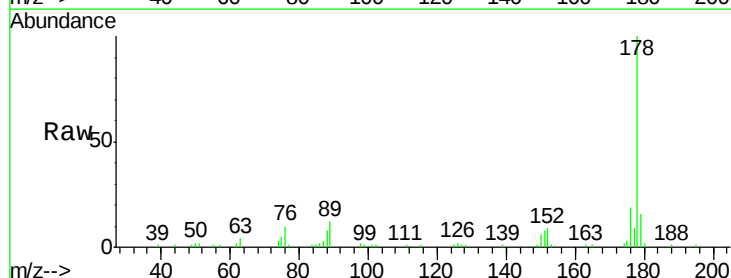
Tgt Ion:178 Resp: 65762

Ion Ratio Lower Upper

178 100

176 19.0 15.3 22.9

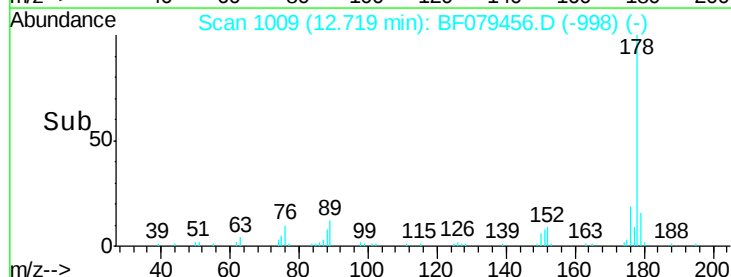
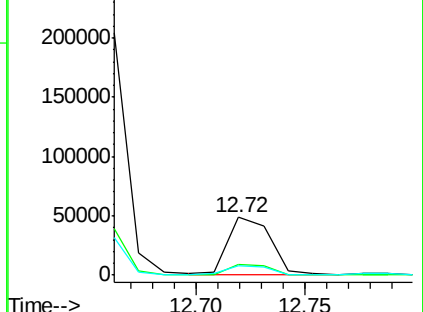
179 16.1 12.6 19.0

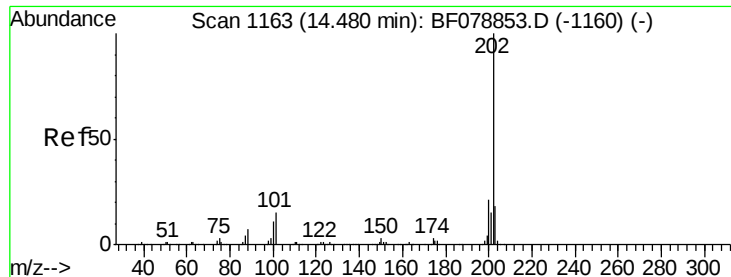


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 26.50 ng

RT: 14.14 min Scan# 1133

Delta R.T. -0.00 min

Lab File: BF079456.D

Acq: 23 May 2015 5:02

Instrument :

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ClientSampled :

SB-31S

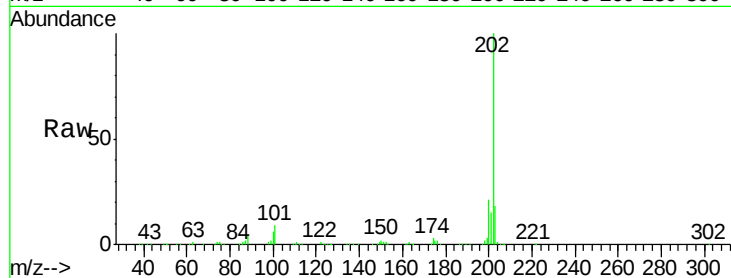
Tgt Ion:202 Resp: 411461

Ion Ratio Lower Upper

202 100

101 9.2 0.0 34.7

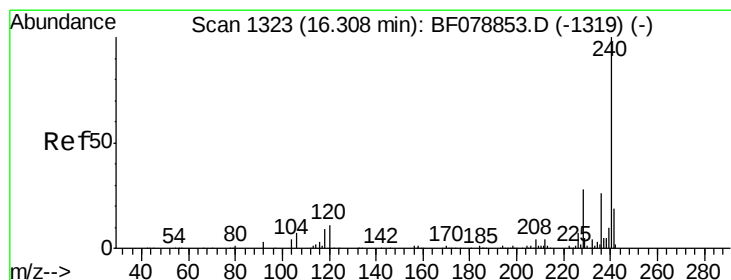
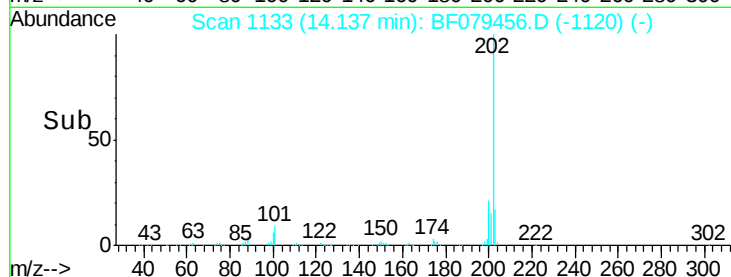
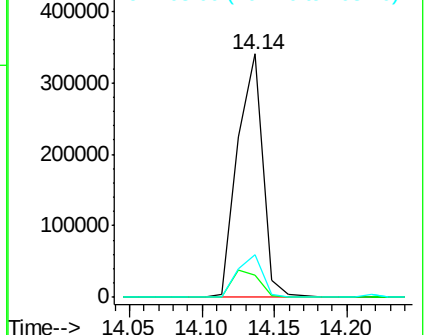
203 17.5 0.0 37.9



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: 15.91 min Scan# 1288

Delta R.T. -0.00 min

Lab File: BF079456.D

Acq: 23 May 2015 5:02

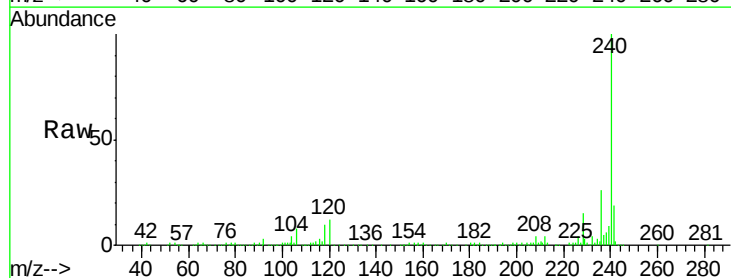
Tgt Ion:240 Resp: 256740

Ion Ratio Lower Upper

240 100

120 12.0 8.6 12.8

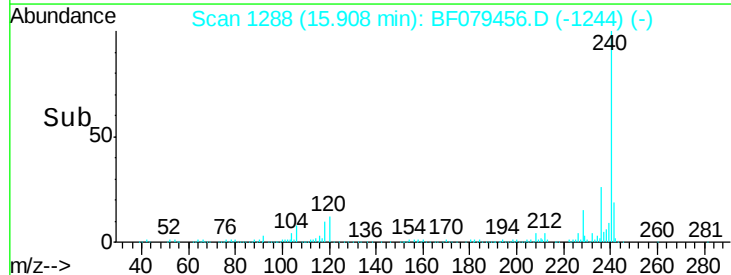
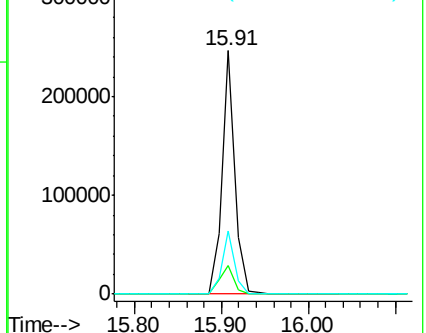
236 26.1 21.0 31.6

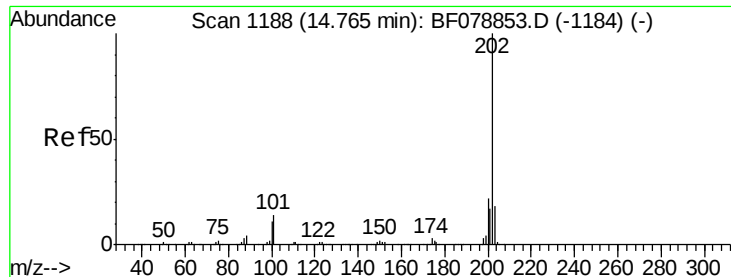


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 24.42 ng

RT: 14.41 min Scan# 1157

Delta R.T. 0.00 min

Lab File: BF079456.D

Acq: 23 May 2015 5:02

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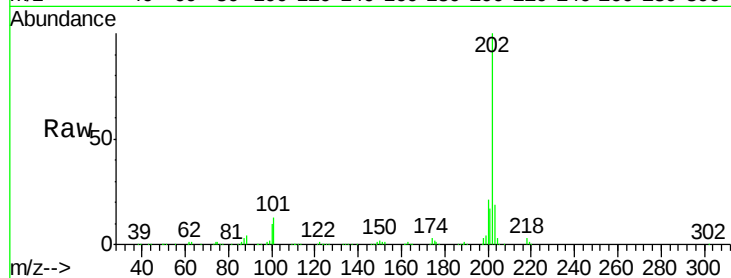
Tgt Ion:202 Resp: 361239

Ion Ratio Lower Upper

202 100

200 21.4 17.5 26.3

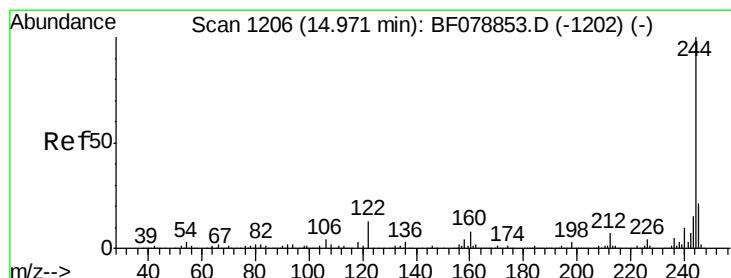
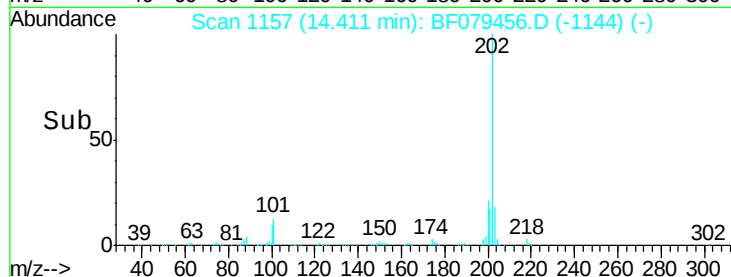
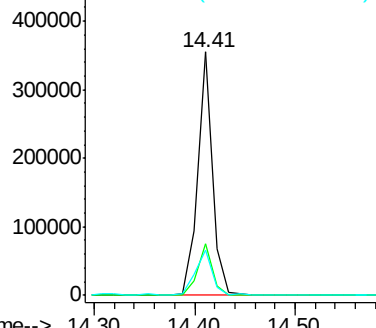
203 18.6 14.7 22.1



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: 95.49 ng

RT: 14.63 min Scan# 1176

Delta R.T. 0.00 min

Lab File: BF079456.D

Acq: 23 May 2015 5:02

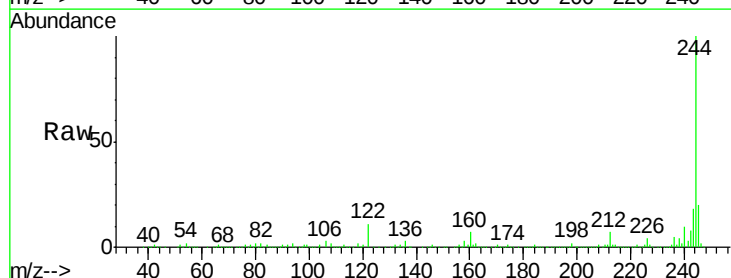
Tgt Ion:244 Resp: 1023968

Ion Ratio Lower Upper

244 100

212 6.9 5.6 8.4

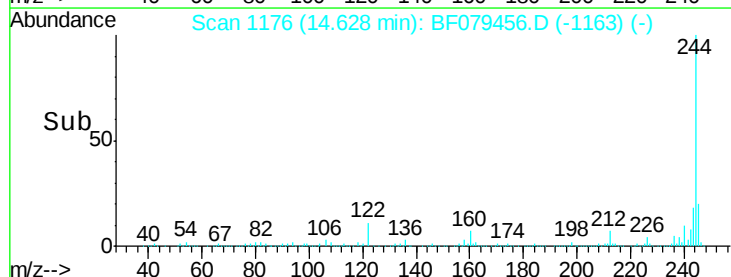
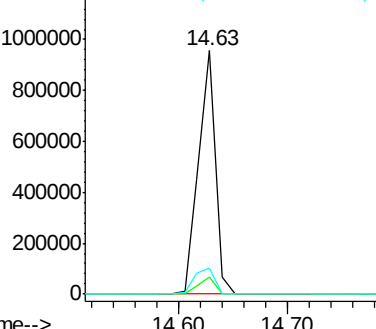
122 10.7 10.5 15.7

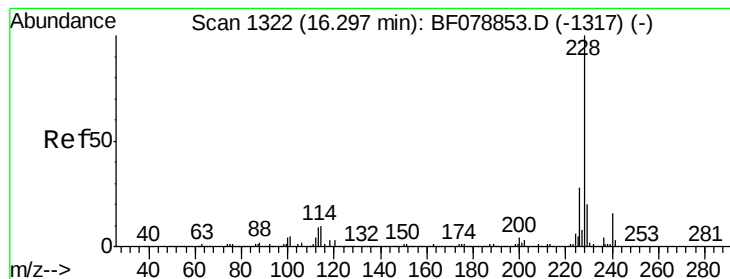


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 13.36 ng

RT: 15.90 min Scan# 1287

Delta R.T. 0.00 min

Lab File: BF079456.D

Acq: 23 May 2015 5:02

Instrument :

BNA_F

ClientSampleId :

SB-31S

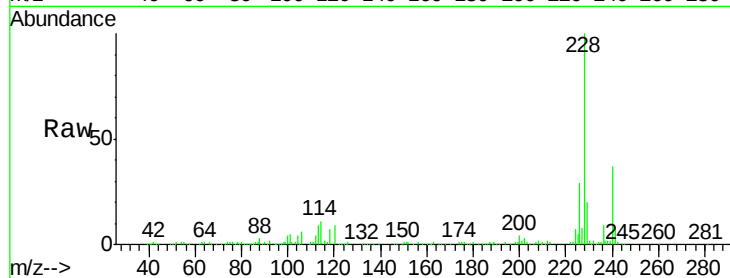
Tgt Ion:228 Resp: 187877

Ion Ratio Lower Upper

228 100

226 28.5 22.3 33.5

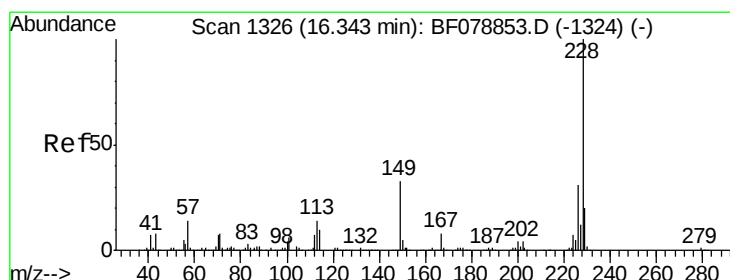
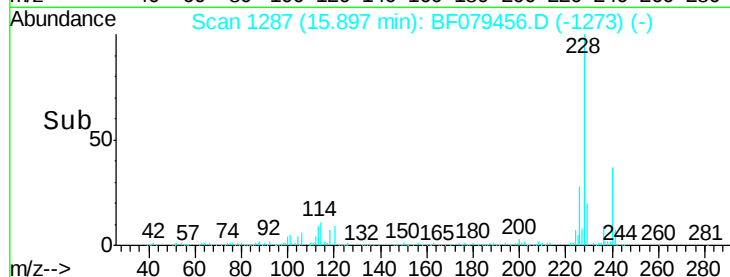
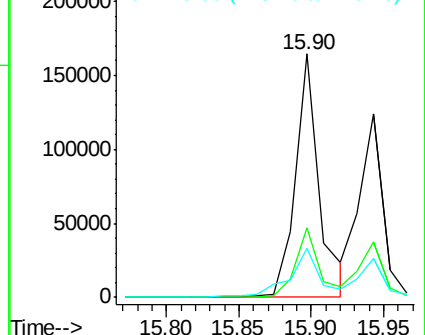
229 20.0 16.1 24.1



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: 10.23 ng

RT: 15.94 min Scan# 1291

Delta R.T. 0.00 min

Lab File: BF079456.D

Acq: 23 May 2015 5:02

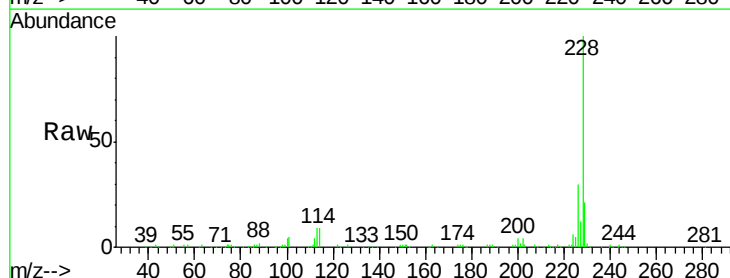
Tgt Ion:228 Resp: 138390

Ion Ratio Lower Upper

228 100

226 30.1 24.8 37.2

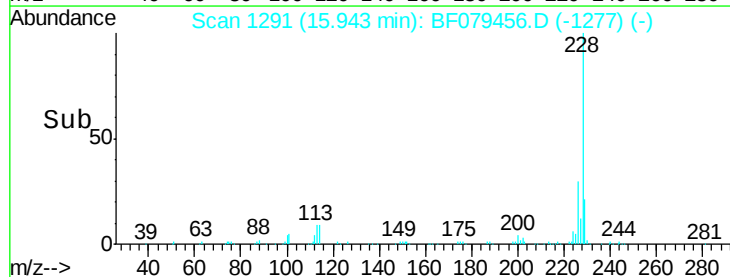
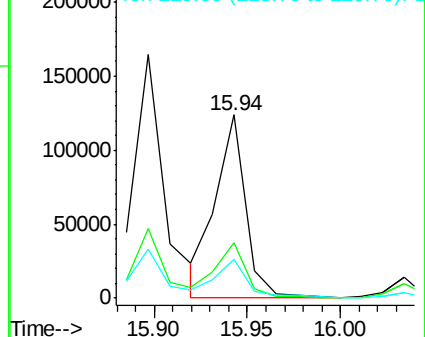
229 21.3 16.1 24.1

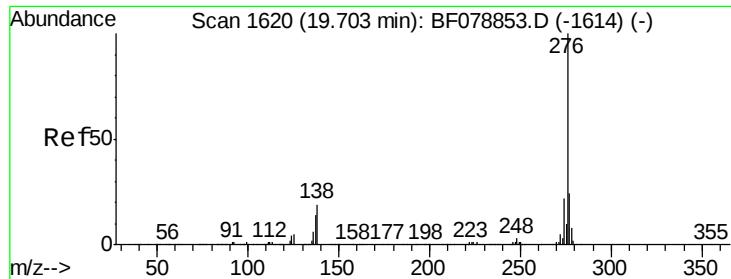


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

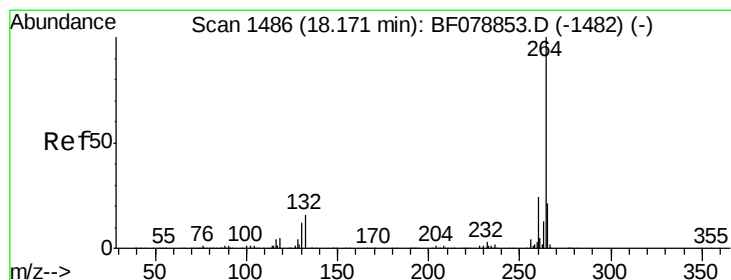
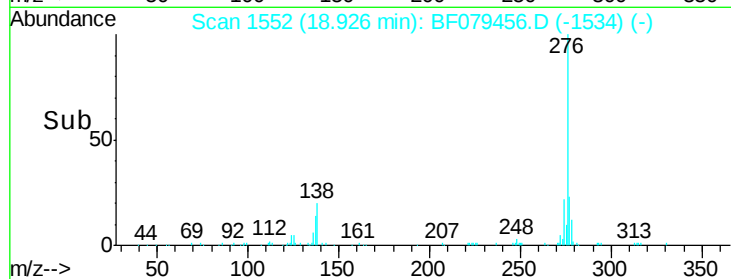
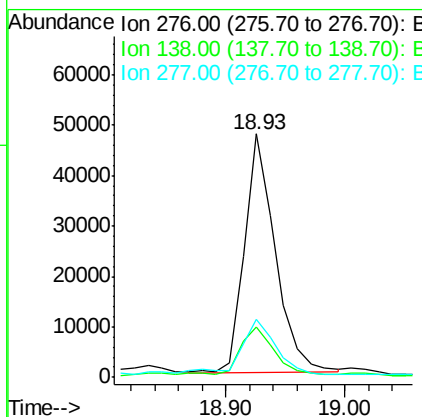
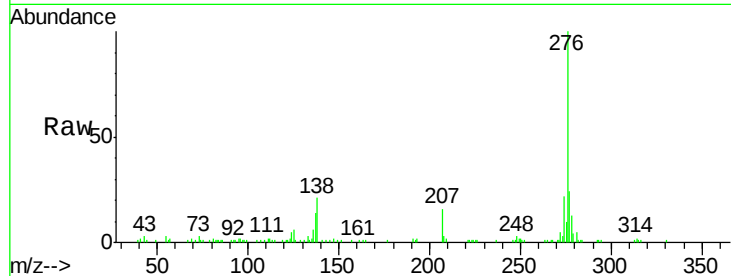




#85
Indeno(1,2,3-cd)pyrene
Concen: 4.94 ng
RT: 18.93 min Scan# 1552
Delta R.T. 0.00 min
Lab File: BF079456.D
Acq: 23 May 2015 5:02

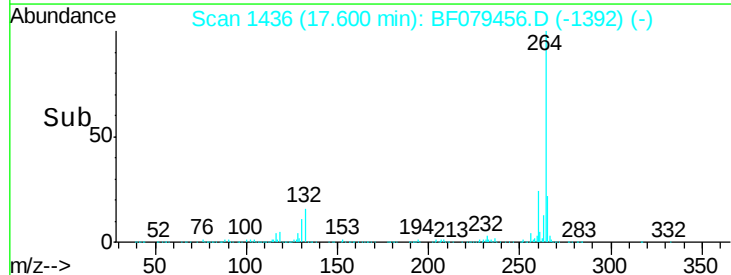
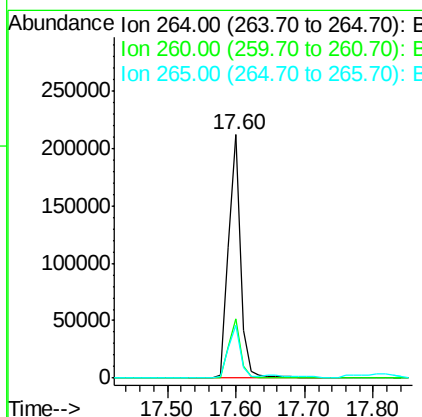
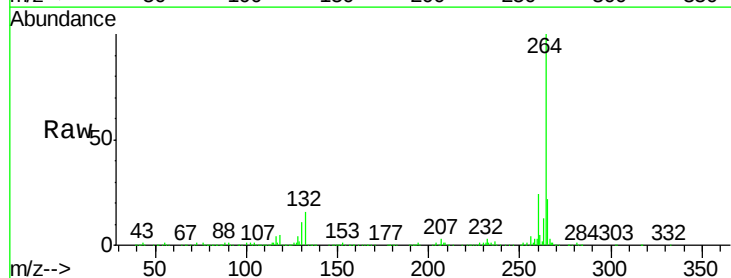
Instrument :
BNA_F
ClientSampleId :
SB-31S

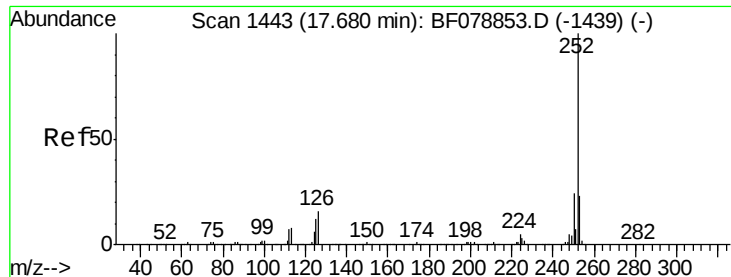
Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.8	21.1	31.7
277	28.4	19.9	29.9



#86
Perylene-d12
Concen: 20.00 ng
RT: 17.60 min Scan# 1436
Delta R.T. -0.00 min
Lab File: BF079456.D
Acq: 23 May 2015 5:02

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.2	28.8
265	21.7	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 17.35 ng

RT: 17.17 min Scan# 1398

Delta R.T. 0.00 min

Lab File: BF079456.D

Acq: 23 May 2015 5:02

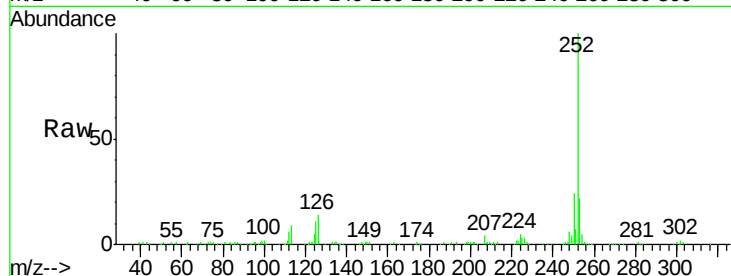
Instrument :

BNA_F

ClientSampleId :

SB-31S

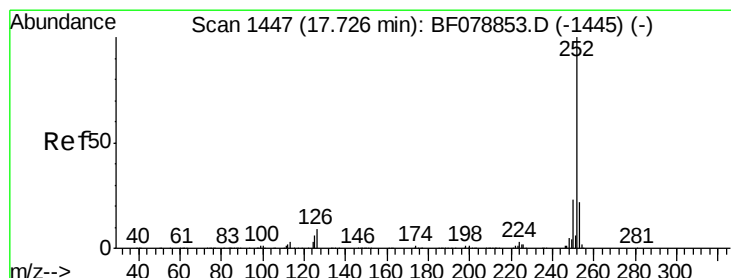
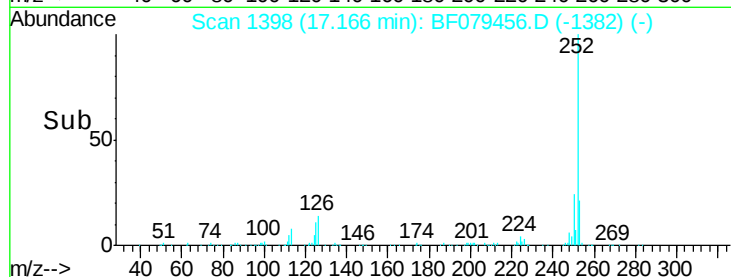
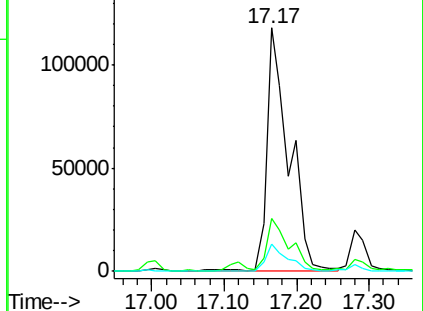
Tgt Ion:	252	Resp:	253203
Ion Ratio	Lower	Upper	
252	100		
253	21.6	18.1	27.1
125	11.1	9.4	14.2



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



#88

Benzo(k)fluoranthene

Concen: 17.92 ng

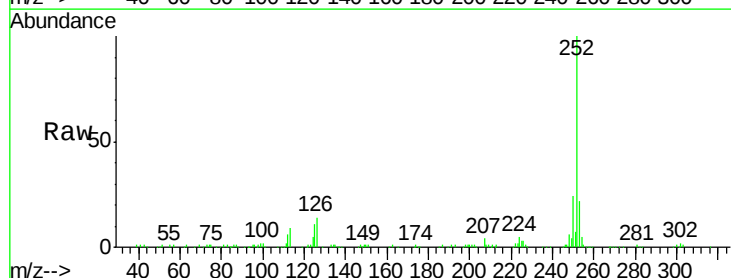
RT: 17.17 min Scan# 1398

Delta R.T. -0.03 min

Lab File: BF079456.D

Acq: 23 May 2015 5:02

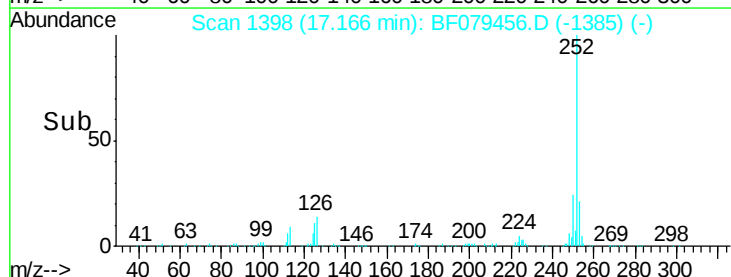
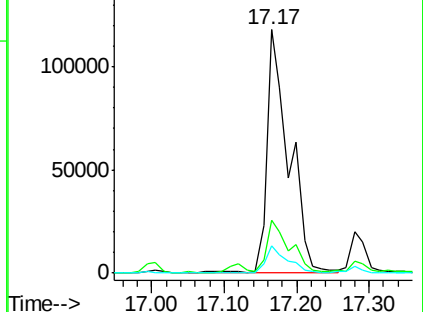
Tgt Ion:	252	Resp:	253203
Ion Ratio	Lower	Upper	
252	100		
253	21.6	17.4	26.0
125	11.1	6.1	9.1#

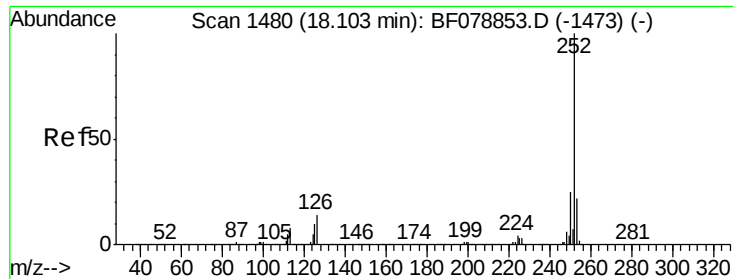


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 10.25 ng

RT: 17.53 min Scan# 1430

Delta R.T. 0.00 min

Lab File: BF079456.D

Acq: 23 May 2015 5:02

Instrument :

BNA_F

ClientSampleId :

SB-31S

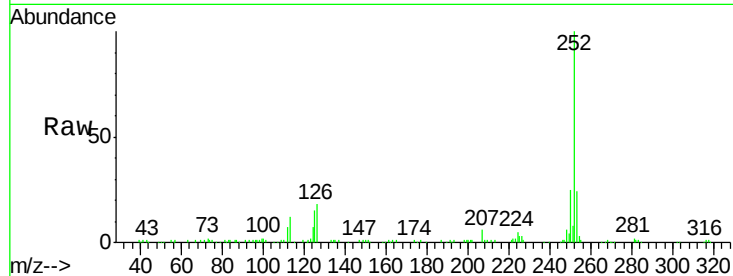
Tgt Ion:252 Resp: 137723

Ion Ratio Lower Upper

252 100

253 23.7 18.0 27.0

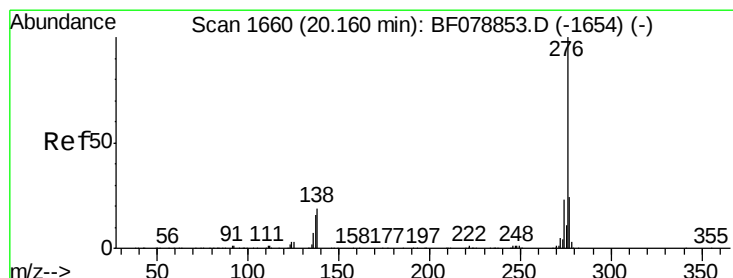
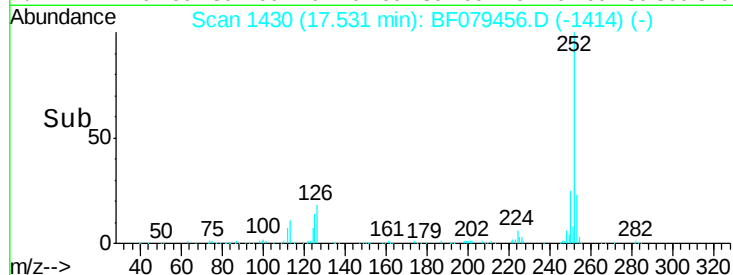
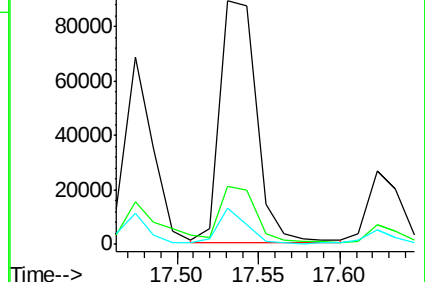
125 14.7 8.2 12.2#



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: 5.86 ng

RT: 19.31 min Scan# 1586

Delta R.T. 0.00 min

Lab File: BF079456.D

Acq: 23 May 2015 5:02

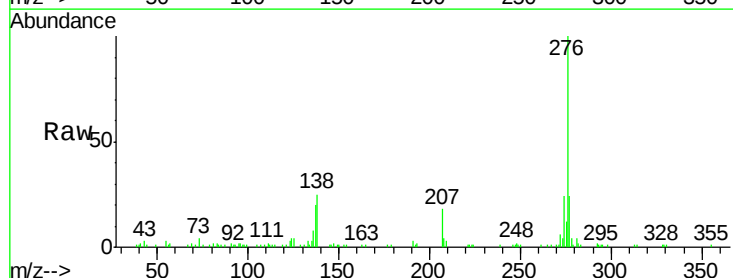
Tgt Ion:276 Resp: 83854

Ion Ratio Lower Upper

276 100

277 24.0 18.8 28.2

138 24.5 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

