

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041415\
 Data File : BF078531.D
 Acq On : 15 Apr 2015 8:41
 Operator : TP/IZ
 Sample : G1823-09DL 5X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-5DL

Quant Time: Apr 15 08:47:08 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 15 01:10:59 2015
 Response via : Initial Calibration

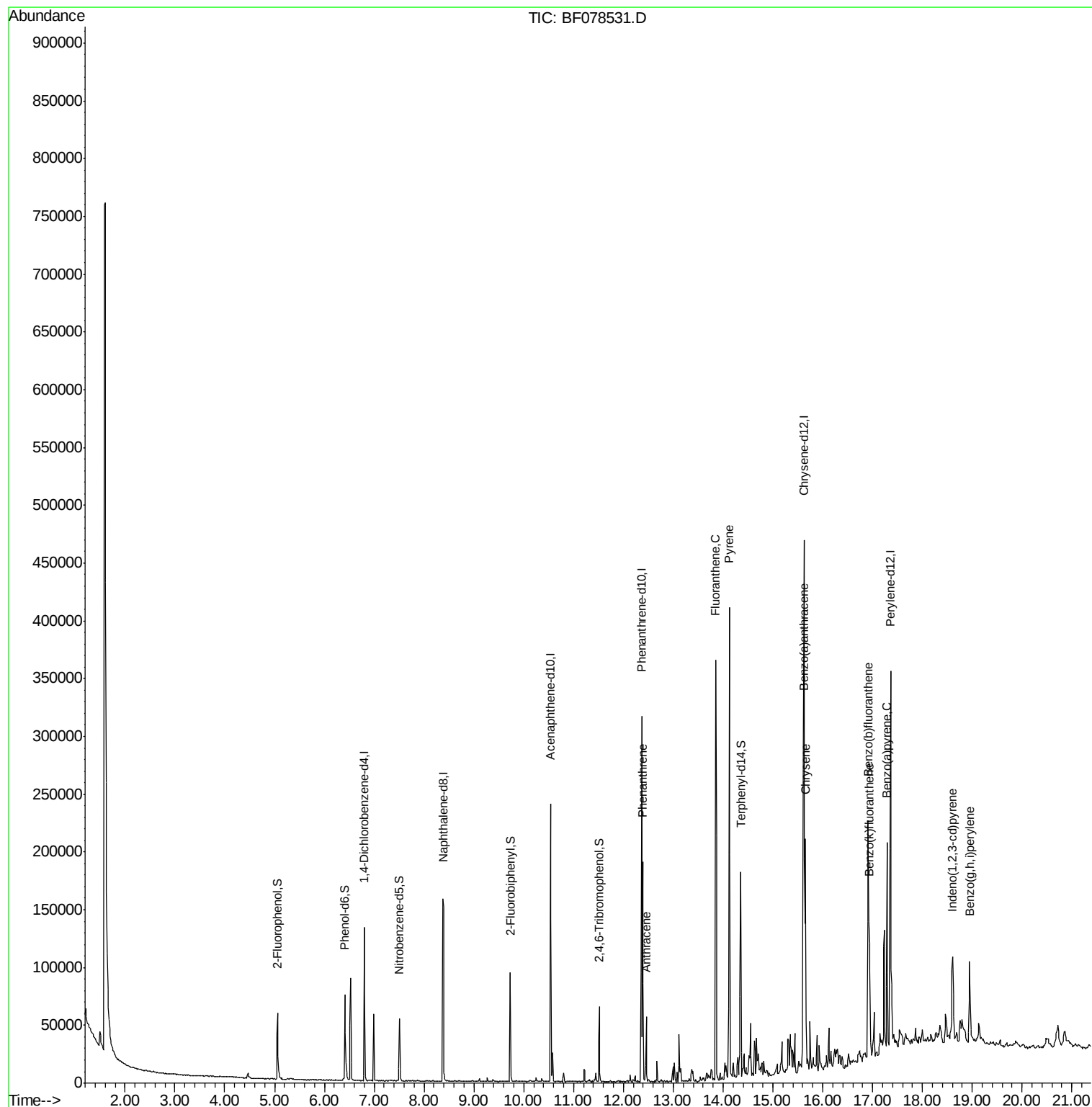
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	26071	20.00	ng	0.00
21) Naphthalene-d8	8.39	136	114372	20.00	ng	0.00
38) Acenaphthene-d10	10.54	164	60449	20.00	ng	0.00
63) Phenanthrene-d10	12.37	188	126313	20.00	ng	0.00
75) Chrysene-d12	15.62	240	145236	20.00	ng	-0.03
86) Perylene-d12	17.36	264	147892	20.00	ng	-0.13
System Monitoring Compounds						
5) 2-Fluorophenol	5.06	112	28746	18.18	ng	0.01
7) Phenol-d6	6.41	99	39192	19.78	ng	0.00
23) Nitrobenzene-d5	7.51	82	20466	10.85	ng	0.00
41) 2,4,6-Tribromophenol	11.52	330	9697	19.34	ng	0.00
44) 2-Fluorobiphenyl	9.74	172	49690	11.75	ng	0.00
78) Terphenyl-d14	14.35	244	67666	10.53	ng	0.00
Target Compounds						Qvalue
70) Phenanthrene	12.39	178	87076	11.92	ng	100
71) Anthracene	12.46	178	25247	3.51	ng	98
74) Fluoranthene	13.85	202	193606	25.13	ng	96
77) Pyrene	14.13	202	175718	19.27	ng	# 92
80) Benzo(a)anthracene	15.61	228	112183	12.98	ng	98
82) Chrysene	15.66	228	88396	10.89	ng	97
85) Indeno(1,2,3-cd)pyrene	18.61	276	49357m	5.36	ng	
87) Benzo(b)fluoranthene	16.91	252	114937m	12.57	ng	
88) Benzo(k)fluoranthene	16.93	252	50865m	6.26	ng	
89) Benzo(a)pyrene	17.29	252	82698	10.37	ng	# 95
91) Benzo(g,h,i)perylene	18.95	276	47432m	5.92	ng	

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

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041415\
Data File : BF078531.D
Acq On : 15 Apr 2015 8:41
Operator : TP/IZ
Sample : G1823-09DL 5X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SP-5DL

Quant Time: Apr 15 08:47:08 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 15 01:10:59 2015
Response via : Initial Calibration

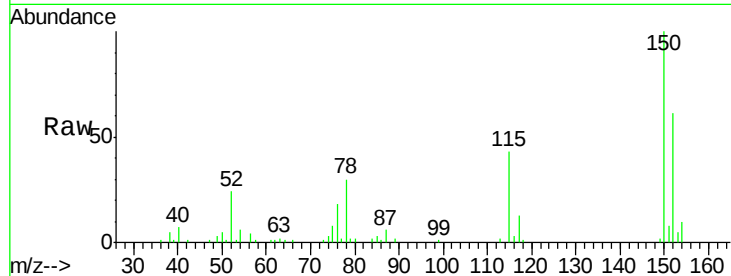




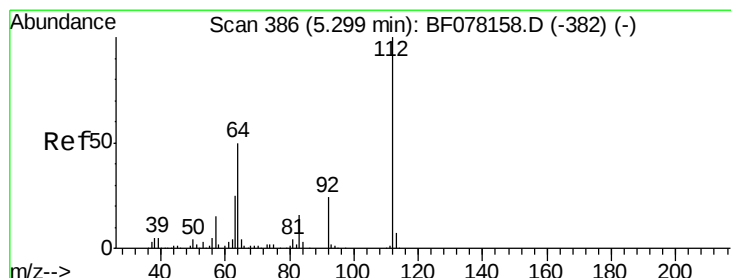
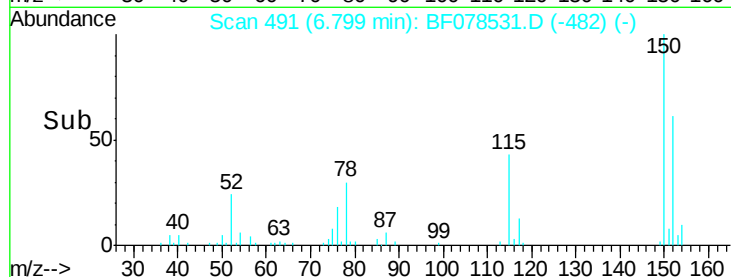
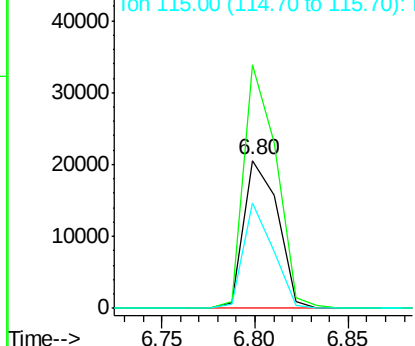
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.80 min Scan# 491
 Delta R.T. -0.00 min
 Lab File: BF078531.D
 Acq: 15 Apr 2015 8:41

Instrument :
 BNA_F
 ClientSampleId :
 SP-5DL

Tgt Ion:152 Resp: 26071
 Ion Ratio Lower Upper
 152 100
 150 164.3 125.9 188.9
 115 71.5 52.7 79.1

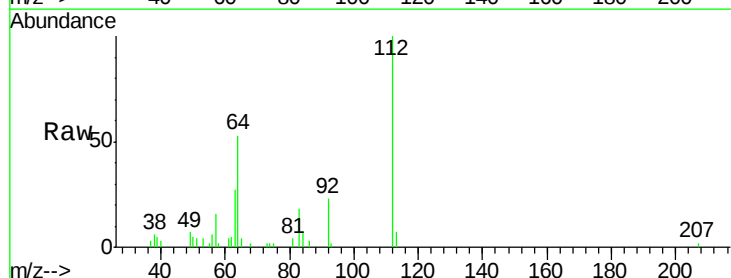


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

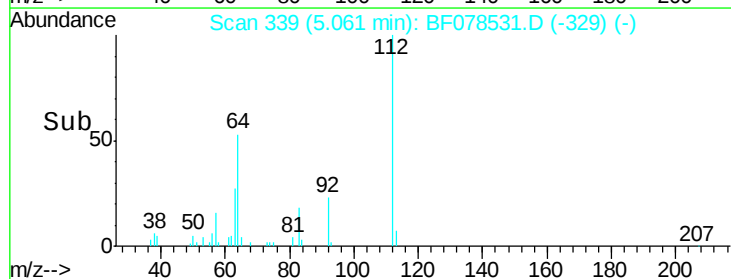
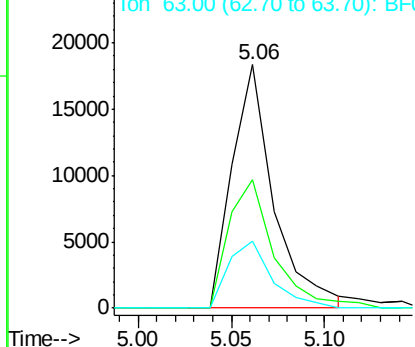


#5
 2-Fluorophenol
 Concen: 18.18 ng
 RT: 5.06 min Scan# 339
 Delta R.T. 0.01 min
 Lab File: BF078531.D
 Acq: 15 Apr 2015 8:41

Tgt Ion:112 Resp: 28746
 Ion Ratio Lower Upper
 112 100
 64 52.9 39.9 59.9
 63 27.2 20.2 30.4



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: 19.78 ng

RT: 6.41 min Scan# 457

Delta R.T. -0.00 min

Lab File: BF078531.D

Acq: 15 Apr 2015 8:41

Instrument :

BNA_F

ClientSampleId :

SP-5DL

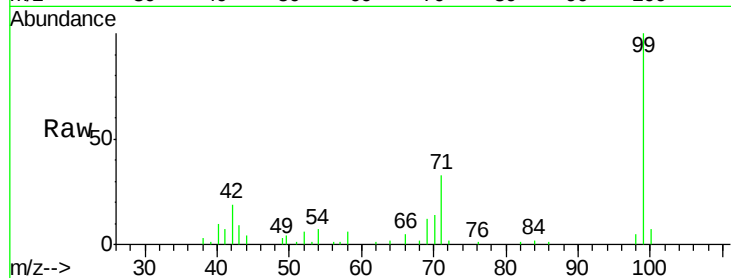
Tgt Ion: 99 Resp: 39192

Ion Ratio Lower Upper

99 100

42 18.7 14.8 22.2

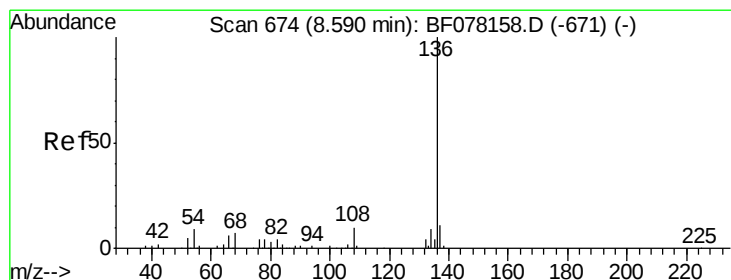
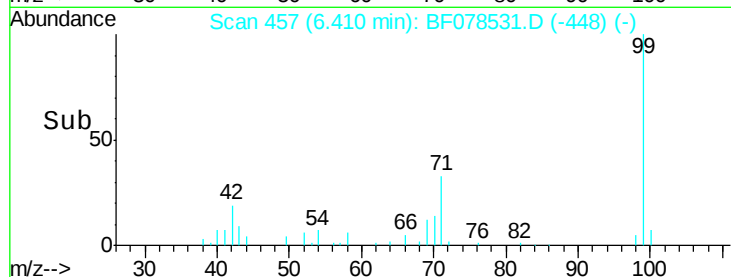
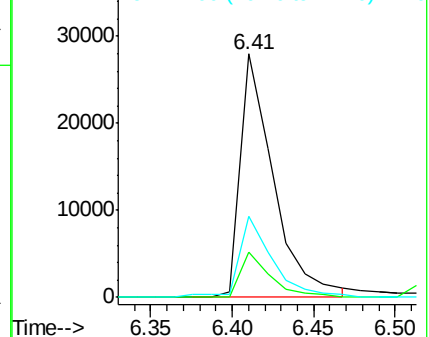
71 33.1 26.6 39.8



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: 8.39 min Scan# 630

Delta R.T. -0.00 min

Lab File: BF078531.D

Acq: 15 Apr 2015 8:41

Tgt Ion: 136 Resp: 114372

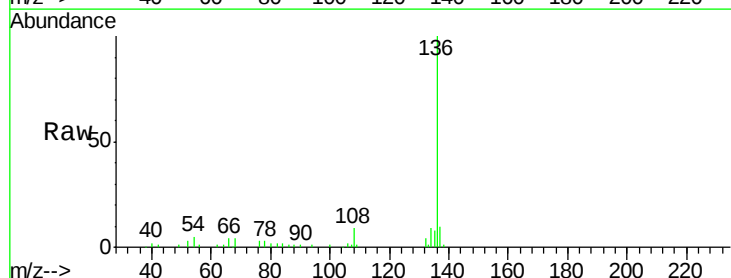
Ion Ratio Lower Upper

136 100

137 10.4 9.0 13.4

54 5.2 7.0 10.6#

68 4.3 5.4 8.2#

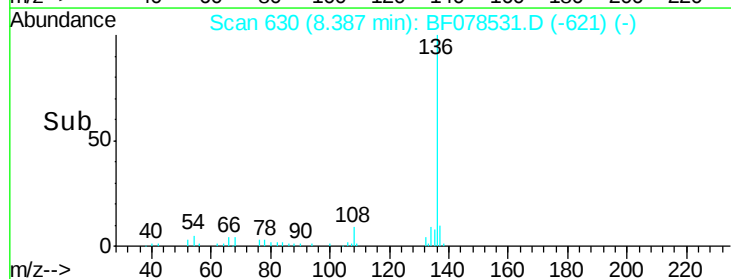
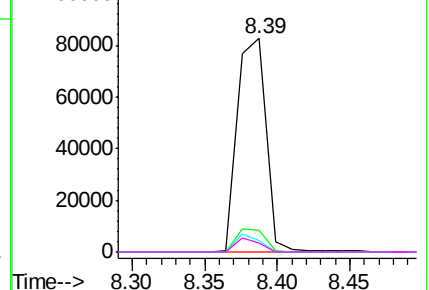


Abundance Ion 136.00 (135.70 to 136.70): E

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

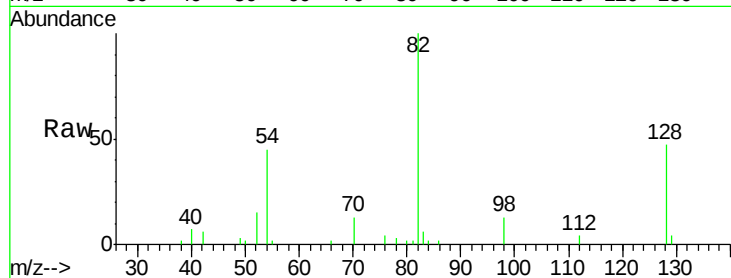




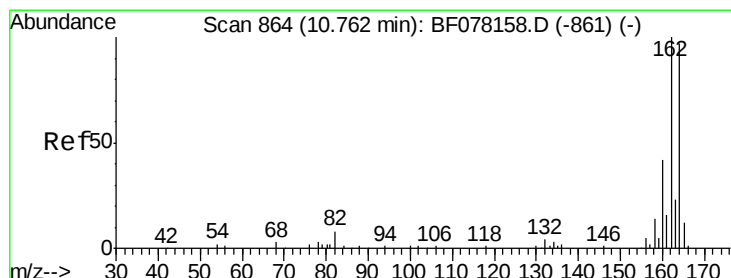
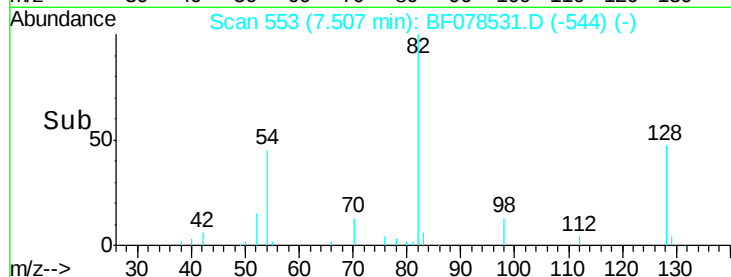
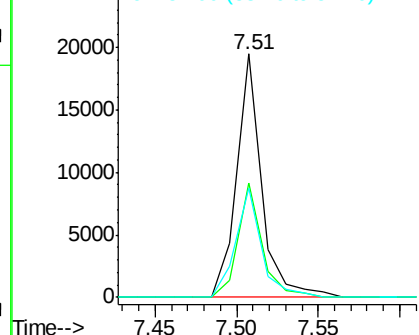
#23
 Nitrobenzene-d5
 Concen: 10.85 ng
 RT: 7.51 min Scan# 553
 Delta R.T. -0.00 min
 Lab File: BF078531.D
 Acq: 15 Apr 2015 8:41

Instrument :
 BNA_F
 ClientSampleId :
 SP-5DL

Tgt Ion	Ratio	Lower	Upper
82	100		
128	47.0	31.8	47.8
54	44.9	41.5	62.3

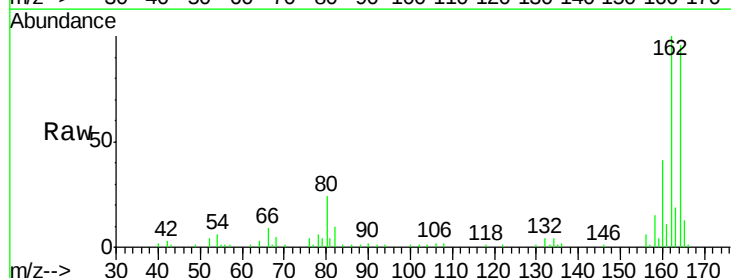


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

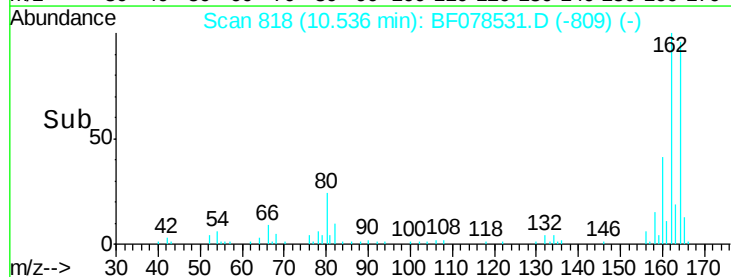
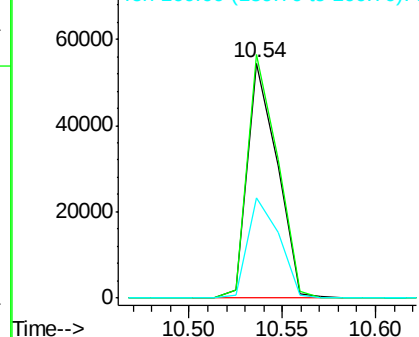


#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.54 min Scan# 818
 Delta R.T. -0.00 min
 Lab File: BF078531.D
 Acq: 15 Apr 2015 8:41

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.7	82.2	123.2
160	42.7	34.7	52.1



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

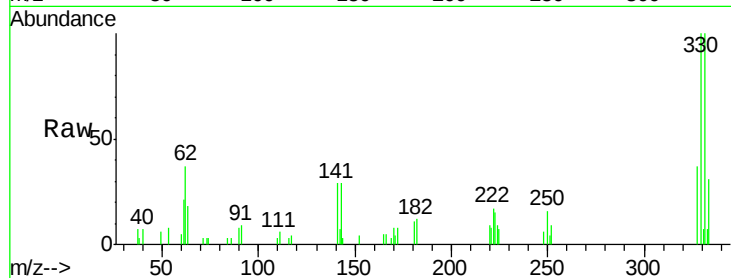




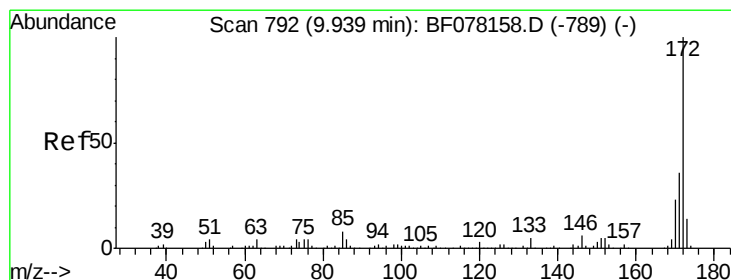
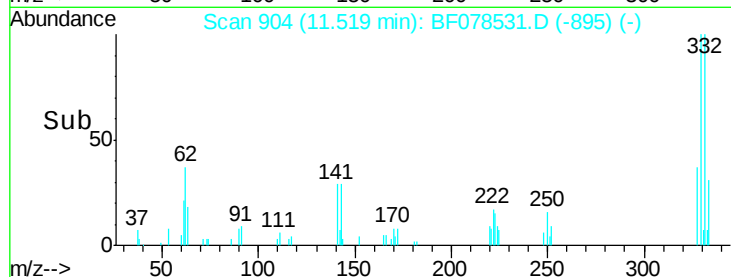
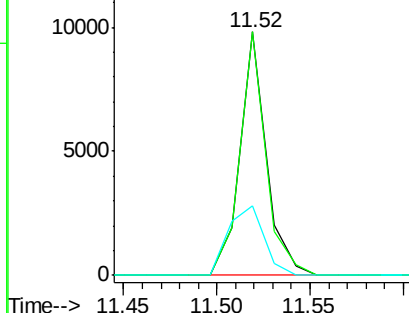
#41
 2,4,6-Tribromophenol
 Concen: 19.34 ng
 RT: 11.52 min Scan# 904
 Delta R.T. -0.00 min
 Lab File: BF078531.D
 Acq: 15 Apr 2015 8:41

Instrument :
 BNA_F
 ClientSampleId :
 SP-5DL

Tgt Ion:330 Resp: 9697
 Ion Ratio Lower Upper
 330 100
 332 98.6 78.6 117.8
 141 38.9 31.2 46.8

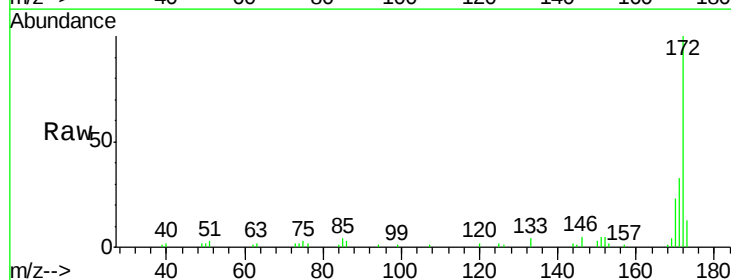


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

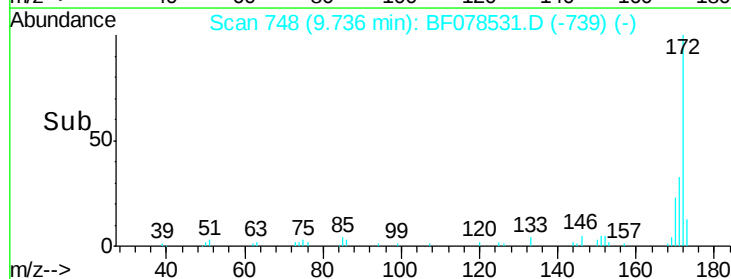
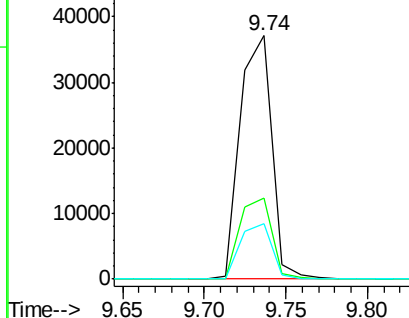


#44
 2-Fluorobiphenyl
 Concen: 11.75 ng
 RT: 9.74 min Scan# 748
 Delta R.T. -0.00 min
 Lab File: BF078531.D
 Acq: 15 Apr 2015 8:41

Tgt Ion:172 Resp: 49690
 Ion Ratio Lower Upper
 172 100
 171 33.4 28.6 42.8
 170 23.0 18.5 27.7



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

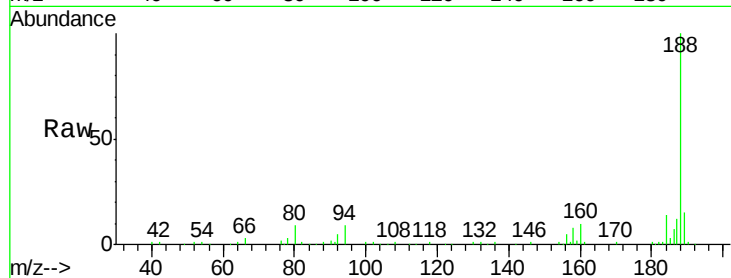




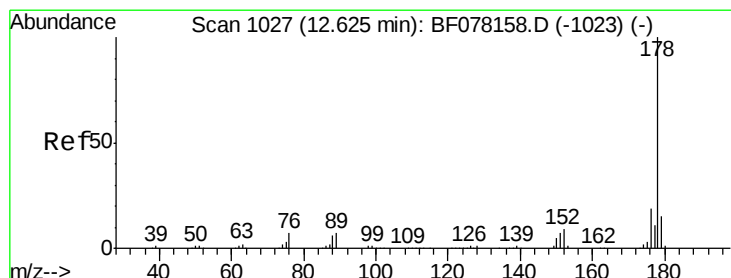
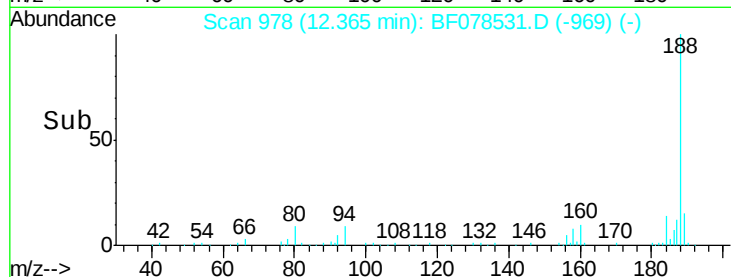
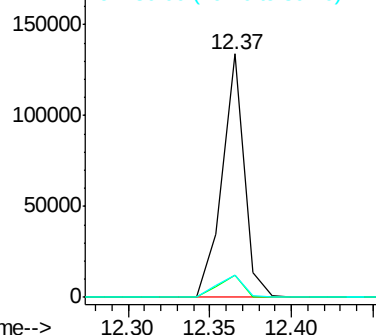
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 12.37 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: BF078531.D
 Acq: 15 Apr 2015 8:41

Instrument :
 BNA_F
 ClientSampleId :
 SP-5DL

Tgt Ion:188 Resp: 126313
 Ion Ratio Lower Upper
 188 100
 94 9.2 9.0 13.4
 80 9.4 9.5 14.3#

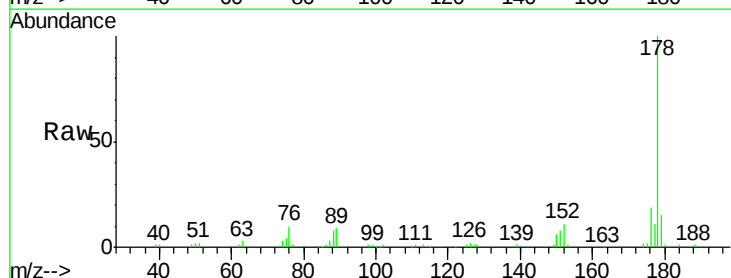


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

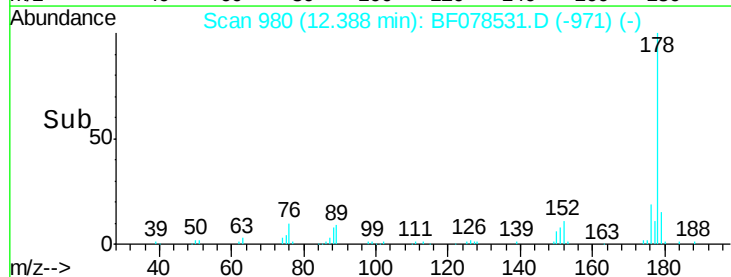
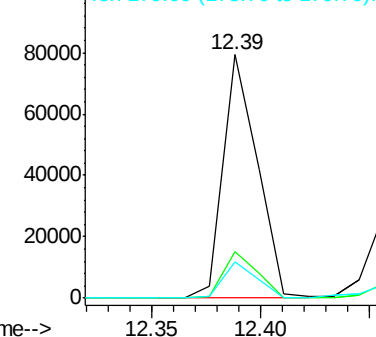


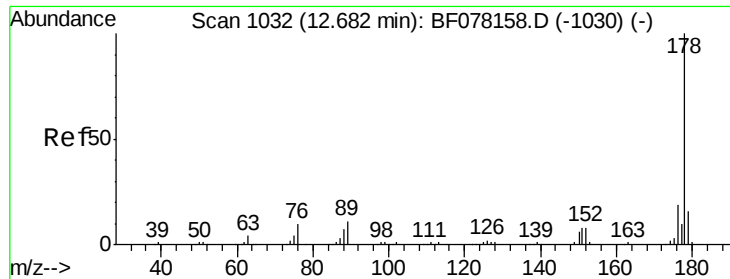
#70
 Phenanthrene
 Concen: 11.92 ng
 RT: 12.39 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: BF078531.D
 Acq: 15 Apr 2015 8:41

Tgt Ion:178 Resp: 87076
 Ion Ratio Lower Upper
 178 100
 176 19.0 15.4 23.0
 179 15.0 12.2 18.2



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

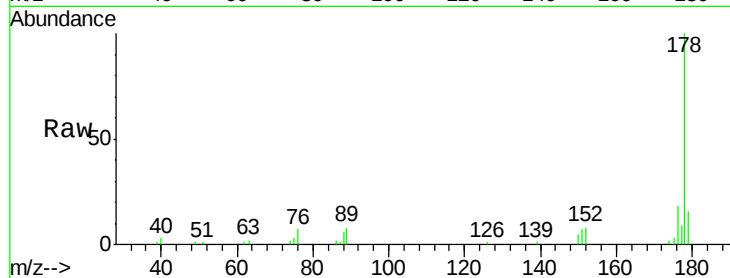




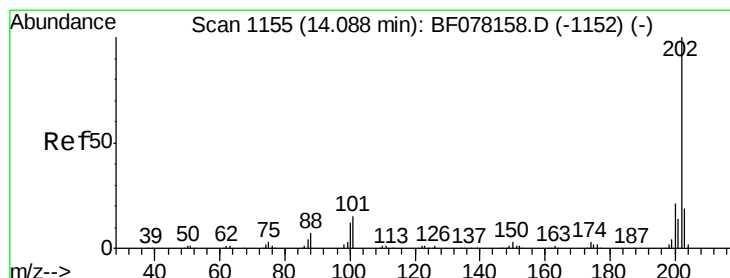
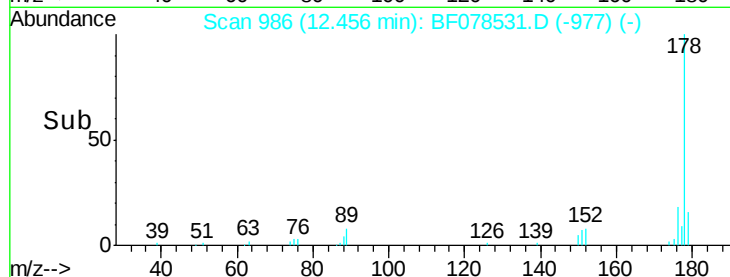
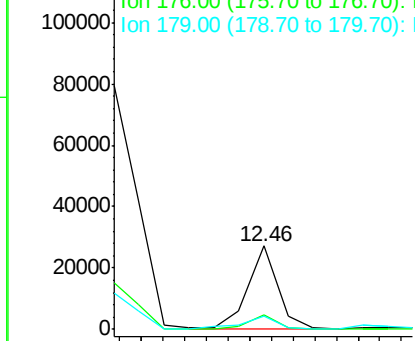
#71
 Anthracene
 Concen: 3.51 ng
 RT: 12.46 min Scan# 986
 Delta R.T. -0.00 min
 Lab File: BF078531.D
 Acq: 15 Apr 2015 8:41

Instrument :
 BNA_F
 ClientSampleId :
 SP-5DL

Tgt Ion:178 Resp: 25247
 Ion Ratio Lower Upper
 178 100
 176 17.7 14.8 22.2
 179 16.0 12.4 18.6

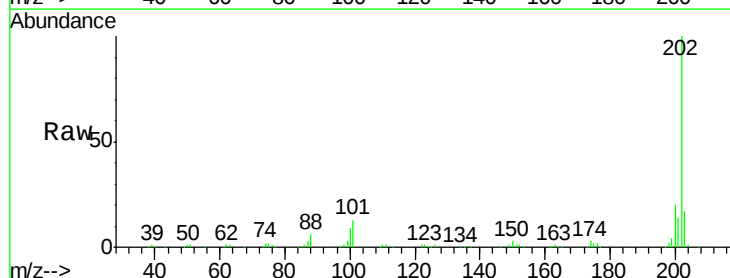


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

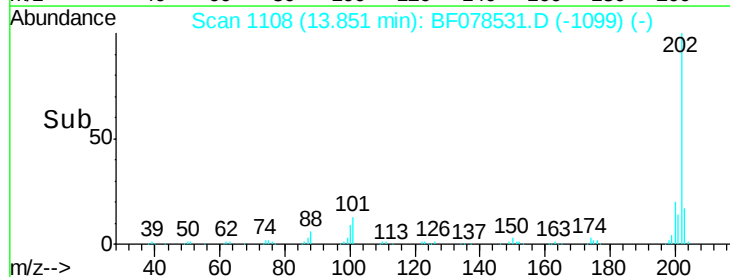
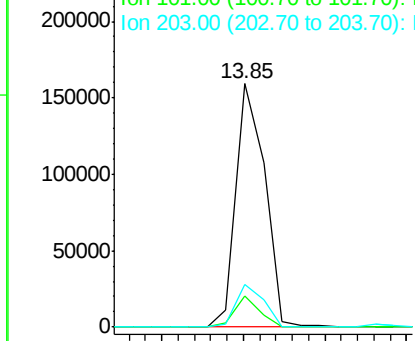


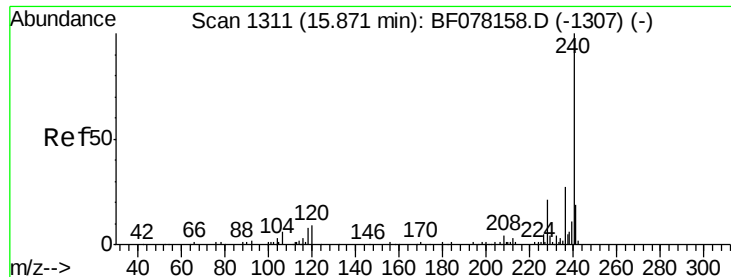
#74
 Fluoranthene
 Concen: 25.13 ng
 RT: 13.85 min Scan# 1108
 Delta R.T. -0.00 min
 Lab File: BF078531.D
 Acq: 15 Apr 2015 8:41

Tgt Ion:202 Resp: 193606
 Ion Ratio Lower Upper
 202 100
 101 12.6 0.0 35.2
 203 17.4 0.0 38.5



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: 15.62 min Scan# 1263

Delta R.T. -0.03 min

Lab File: BF078531.D

Acq: 15 Apr 2015 8:41

Instrument :

BNA_F

ClientSampleId :

SP-5DL

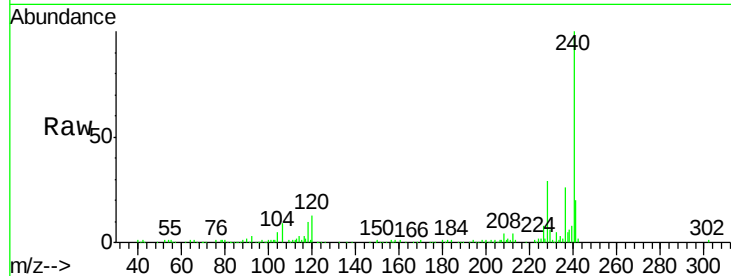
Tgt Ion:240 Resp: 145236

Ion Ratio Lower Upper

240 100

120 12.6 7.1 10.7#

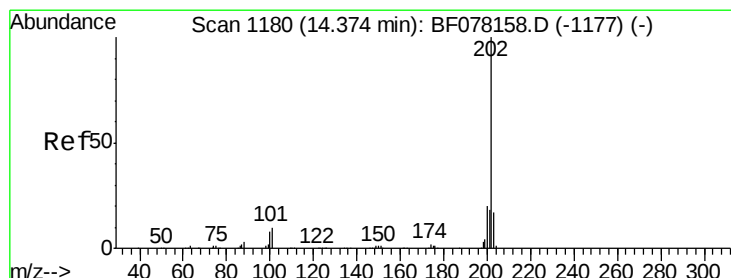
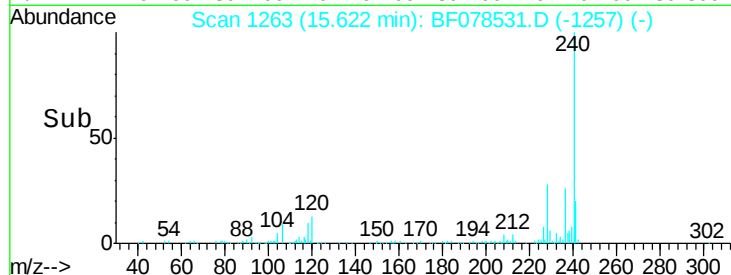
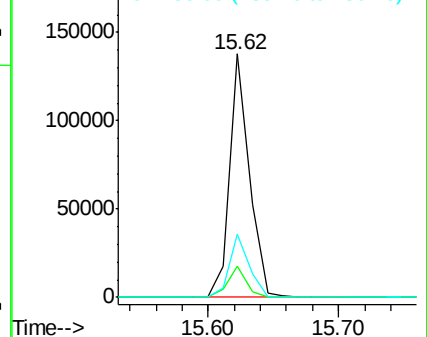
236 25.7 21.4 32.2



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: 19.27 ng

RT: 14.13 min Scan# 1132

Delta R.T. -0.00 min

Lab File: BF078531.D

Acq: 15 Apr 2015 8:41

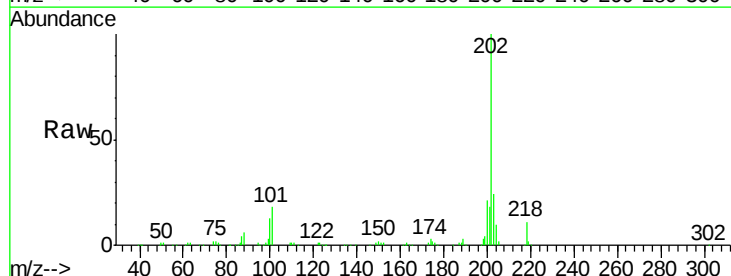
Tgt Ion:202 Resp: 175718

Ion Ratio Lower Upper

202 100

200 21.0 16.3 24.5

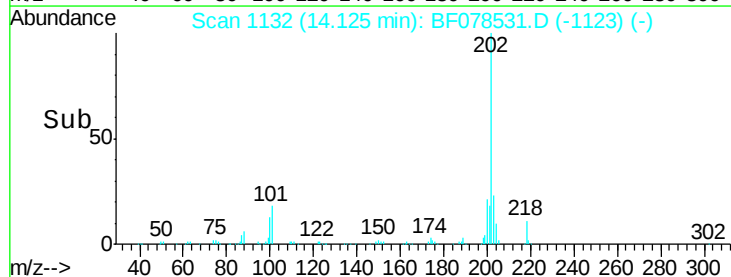
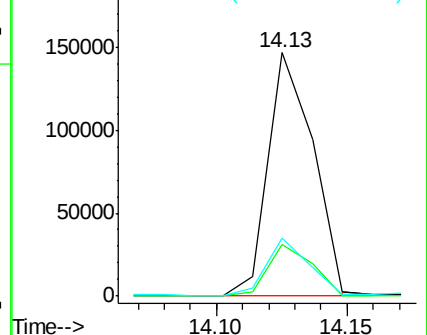
203 23.6 13.8 20.6#

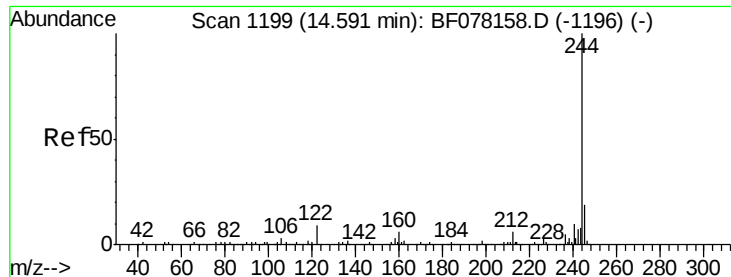


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 10.53 ng

RT: 14.35 min Scan# 1152

Delta R.T. -0.00 min

Lab File: BF078531.D

Acq: 15 Apr 2015 8:41

Instrument :

BNA_F

ClientSampleId :

SP-5DL

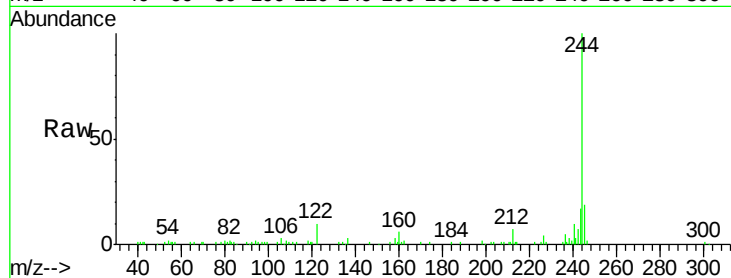
Tgt Ion:244 Resp: 67666

Ion Ratio Lower Upper

244 100

212 6.6 5.0 7.4

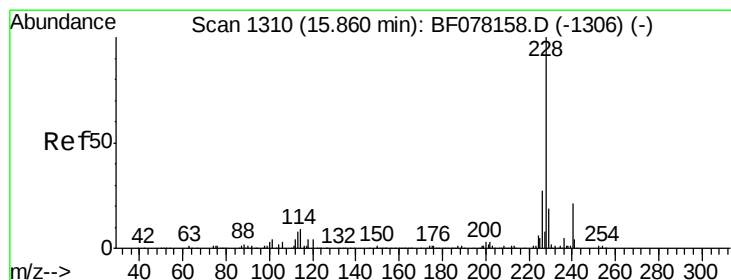
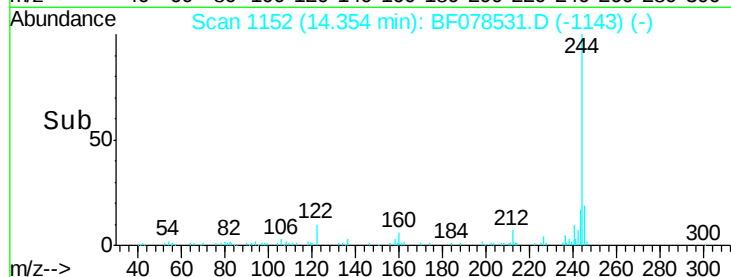
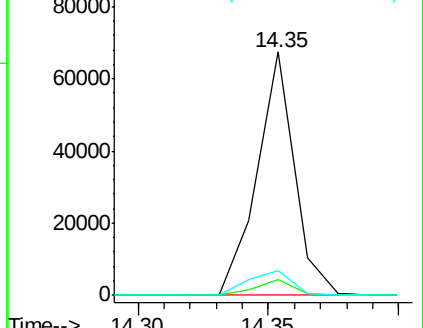
122 10.4 7.1 10.7



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: 12.98 ng

RT: 15.61 min Scan# 1262

Delta R.T. -0.03 min

Lab File: BF078531.D

Acq: 15 Apr 2015 8:41

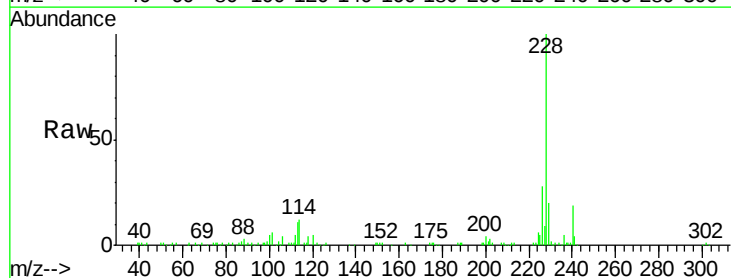
Tgt Ion:228 Resp: 112183

Ion Ratio Lower Upper

228 100

226 27.6 21.3 31.9

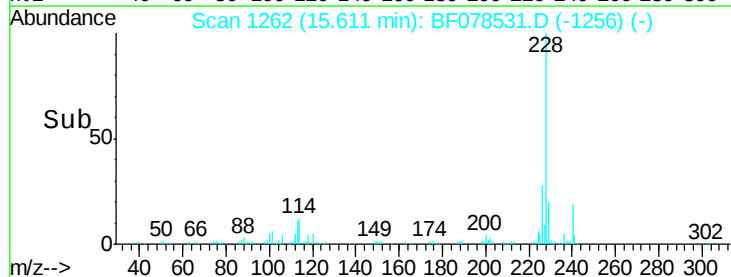
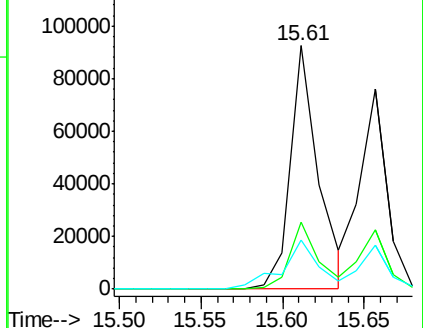
229 20.2 15.4 23.2

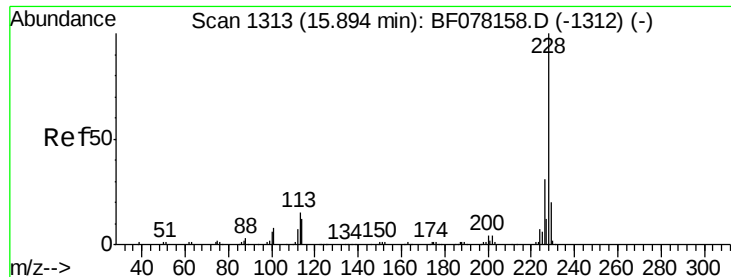


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 10.89 ng

RT: 15.66 min Scan# 1266

Delta R.T. -0.03 min

Lab File: BF078531.D

Acq: 15 Apr 2015 8:41

Instrument :

BNA_F

ClientSampleId :

SP-5DL

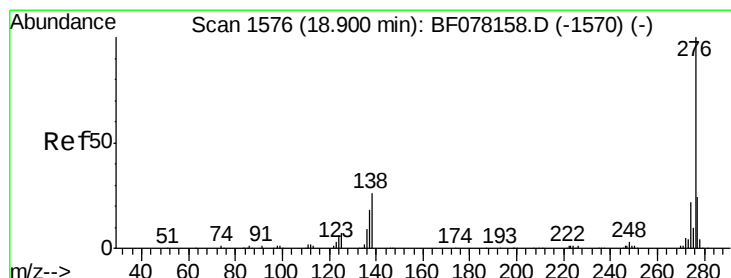
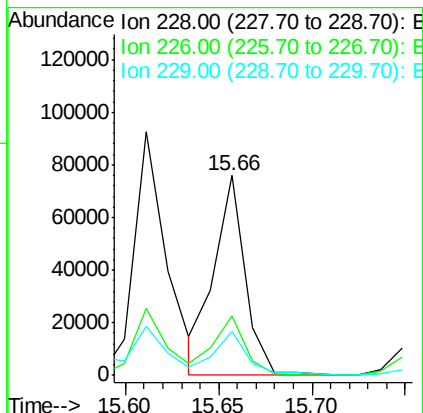
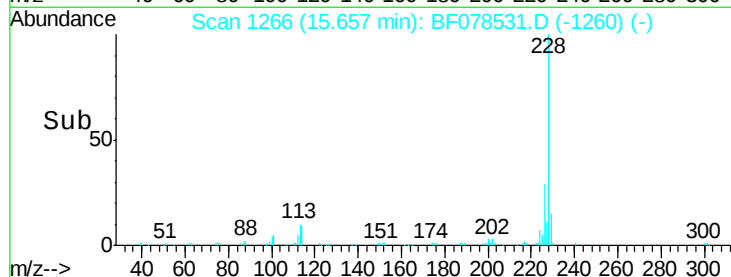
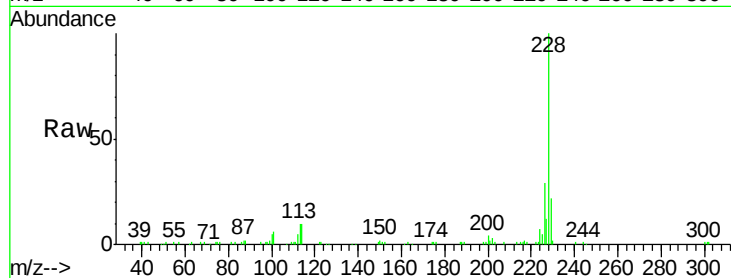
Tgt Ion:228 Resp: 88396

Ion Ratio Lower Upper

228 100

226 29.3 24.2 36.4

229 22.2 15.8 23.8



#85

Indeno(1,2,3-cd)pyrene

Concen: 5.36 ng m

RT: 18.61 min Scan# 1524

Delta R.T. -0.21 min

Lab File: BF078531.D

Acq: 15 Apr 2015 8:41

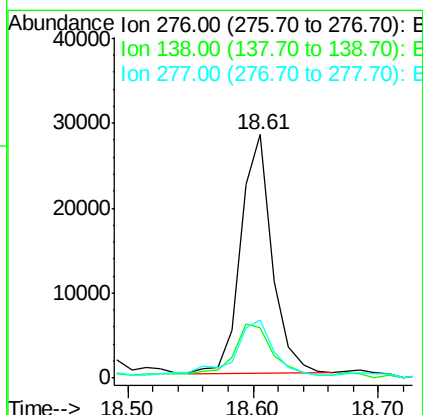
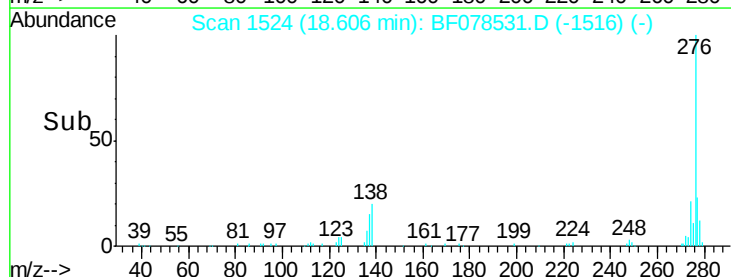
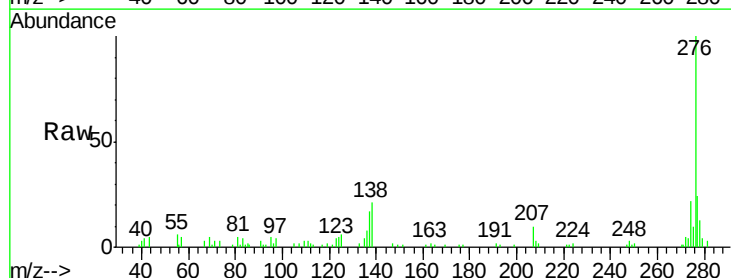
Tgt Ion:276 Resp: 49357

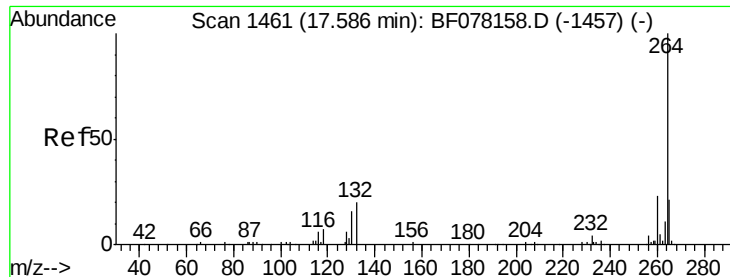
Ion Ratio Lower Upper

276 100

138 5.1 16.9 25.3#

277 4.3 15.8 23.6#

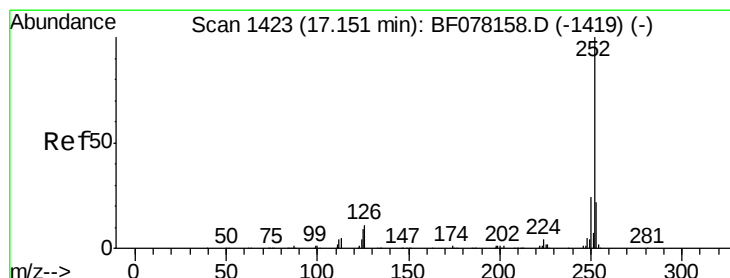
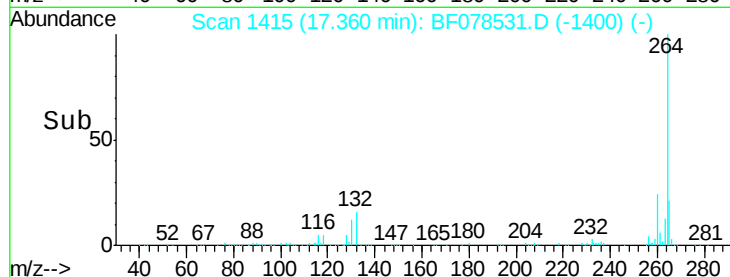
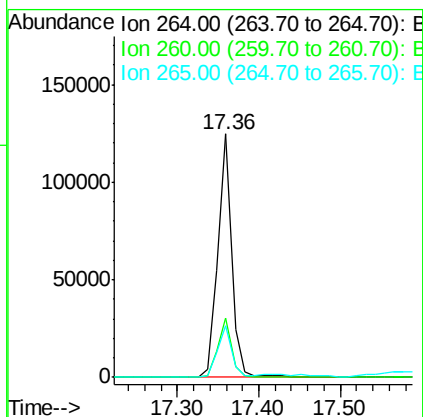
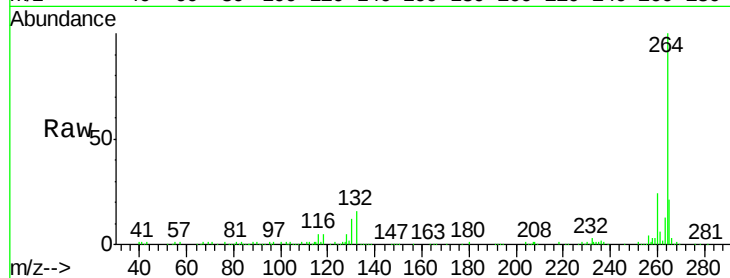




#86
Perylene-d12
Concen: 20.00 ng
RT: 17.36 min Scan# 1415
Delta R.T. -0.13 min
Lab File: BF078531.D
Acq: 15 Apr 2015 8:41

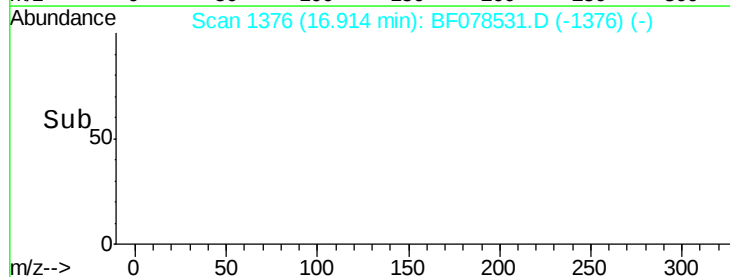
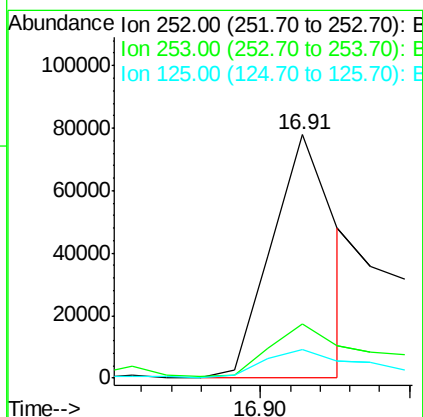
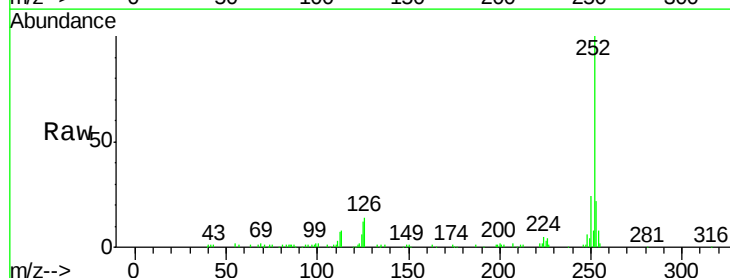
Instrument :
BNA_F
ClientSampleId :
SP-5DL

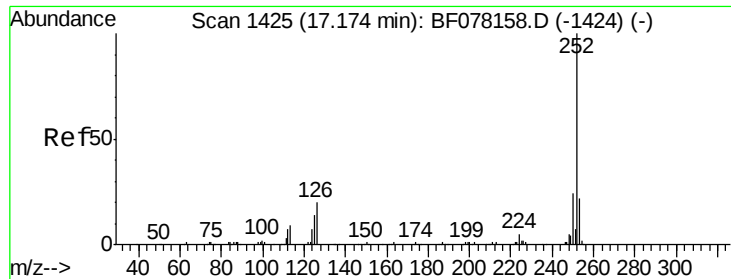
Tgt Ion: 264 Resp: 147892
Ion Ratio Lower Upper
264 100
260 24.3 18.6 27.8
265 21.3 17.0 25.6



#87
Benzo(b)fluoranthene
Concen: 12.57 ng m
RT: 16.91 min Scan# 1376
Delta R.T. -0.10 min
Lab File: BF078531.D
Acq: 15 Apr 2015 8:41

Tgt Ion: 252 Resp: 114937
Ion Ratio Lower Upper
252 100
253 22.4 17.2 25.8
125 11.9 7.0 10.4#





#88

Benzo(k)fluoranthene

Concen: 6.26 ng m

RT: 16.93 min Scan# 1377

Delta R.T. -0.13 min

Lab File: BF078531.D

Acq: 15 Apr 2015 8:41

Instrument :

BNA_F

ClientSampled :

SP-5DL

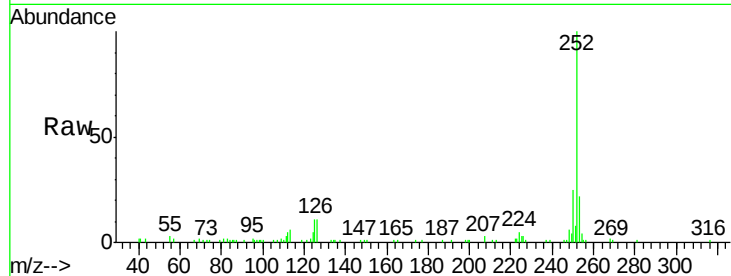
Tgt Ion:252 Resp: 50865

Ion Ratio Lower Upper

252 100

253 21.7 17.5 26.3

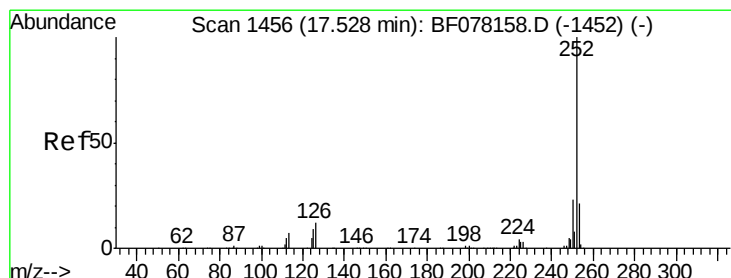
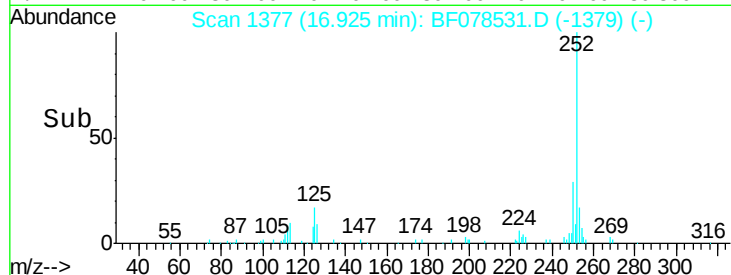
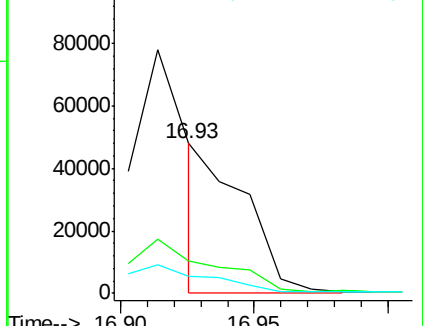
125 11.3 11.6 17.4#



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: 10.37 ng

RT: 17.29 min Scan# 1409

Delta R.T. -0.13 min

Lab File: BF078531.D

Acq: 15 Apr 2015 8:41

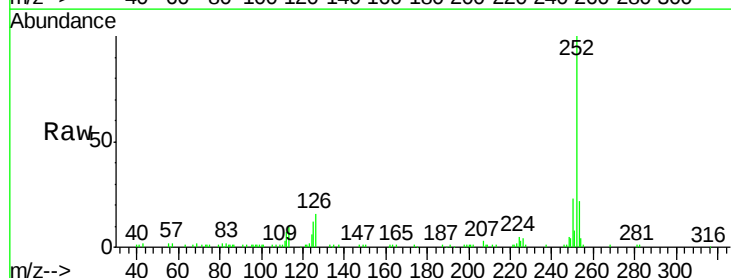
Tgt Ion:252 Resp: 82698

Ion Ratio Lower Upper

252 100

253 22.4 16.8 25.2

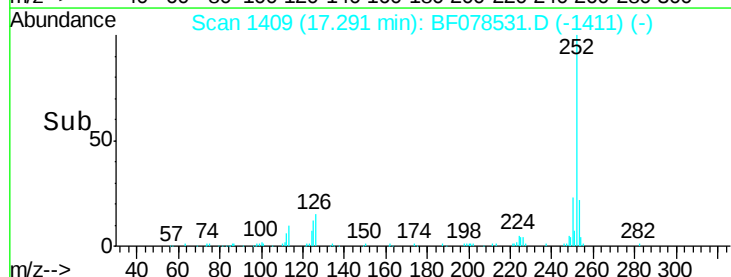
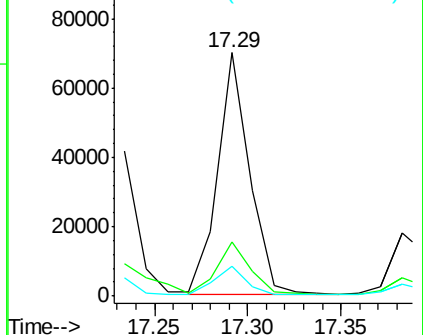
125 12.1 7.4 11.0#

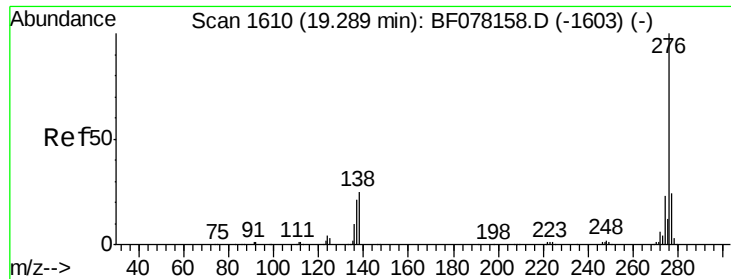


Abundance Ion 252.00 (251.70 to 252.70): E

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: 5.92 ng m

RT: 18.95 min Scan# 1554

Delta R.T. -0.21 min

Lab File: BF078531.D

Acq: 15 Apr 2015 8:41

Instrument :

BNA_F

ClientSampleId :

SP-5DL

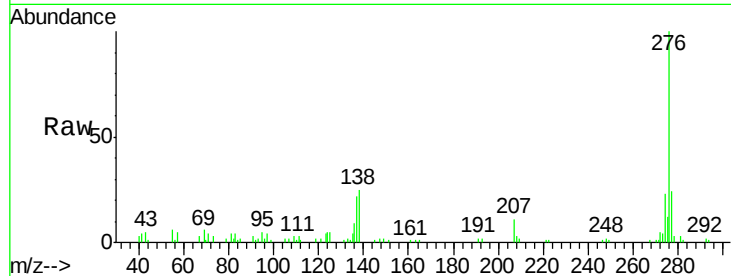
Tgt Ion: 276 Resp: 47432

Ion Ratio Lower Upper

276 100

277 23.9 19.0 28.4

138 24.8 19.9 29.9



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

