

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041015\
 Data File : BF078425.D
 Acq On : 11 Apr 2015 6:02
 Operator : TP/IZ
 Sample : G1823-09
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-5

Quant Time: Apr 13 01:02:15 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 13 00:47:16 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	35442	20.00	ng	0.01
21) Naphthalene-d8	8.44	136	152974	20.00	ng	0.00
38) Acenaphthene-d10	10.59	164	81275	20.00	ng	0.00
63) Phenanthrene-d10	12.42	188	159271	20.00	ng	0.00
75) Chrysene-d12	15.69	240	159316	20.00	ng	0.01
86) Perylene-d12	17.32	264	168405	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.12	112	195134	90.78	ng	0.01
7) Phenol-d6	6.45	99	252403	93.69	ng	0.00
23) Nitrobenzene-d5	7.56	82	154382	61.17	ng	0.00
41) 2,4,6-Tribromophenol	11.57	330	69746	103.47	ng	0.01
44) 2-Fluorobiphenyl	9.78	172	324174	57.01	ng	0.00
78) Terphenyl-d14	14.41	244	372018	52.77	ng	0.00

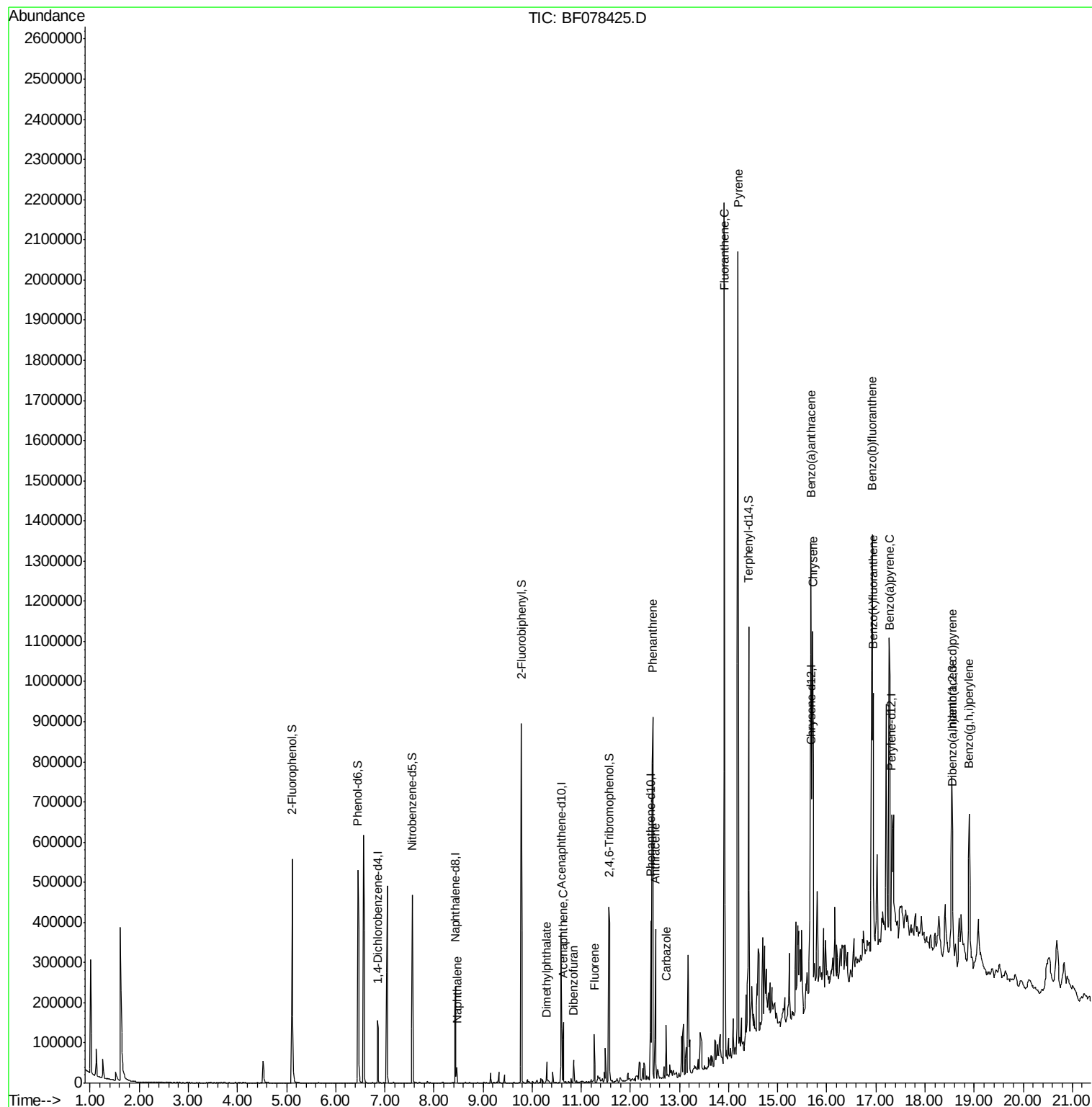
Target Compounds						Qvalue
31) Naphthalene	8.46	128	18336	2.30	ng	98
49) Dimethylphthalate	10.29	163	22302	3.65	ng	99
51) Acenaphthene	10.64	154	44729	9.41	ng	98
54) Dibenzofuran	10.84	168	32019	4.41	ng	96
57) Fluorene	11.27	166	38854	6.60	ng	97
70) Phenanthrene	12.45	178	516028	56.01	ng	99
71) Anthracene	12.51	178	152336	16.78	ng	99
72) Carbazole	12.73	167	63770	7.50	ng	98
74) Fluoranthene	13.92	202	978521	100.71	ng	96
77) Pyrene	14.19	202	893477	89.34	ng	# 94
80) Benzo(a)anthracene	15.68	228	566673	59.78	ng	98
82) Chrysene	15.71	228	488785	54.88	ng	98
85) Indeno(1,2,3-cd)pyrene	18.55	276	303158m	30.00	ng	
87) Benzo(b)fluoranthene	16.92	252	624891m	60.04	ng	
88) Benzo(k)fluoranthene	16.95	252	232422m	25.13	ng	
89) Benzo(a)pyrene	17.28	252	432855	47.65	ng	96
90) Dibenzo(a,h)anthracene	18.56	278	67204	7.39	ng	# 88
91) Benzo(g,h,i)perylene	18.90	276	261541	28.68	ng	98

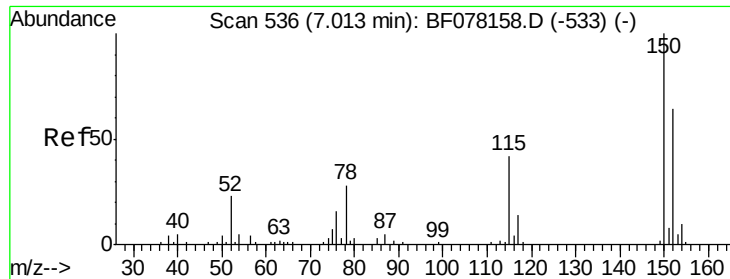
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041015\
Data File : BF078425.D
Acq On : 11 Apr 2015 6:02
Operator : TP/IZ
Sample : G1823-09
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SP-5

Quant Time: Apr 13 01:02:15 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 13 00:47:16 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.86 min Scan# 523

Delta R.T. 0.01 min

Lab File: BF078425.D

Acq: 11 Apr 2015 6:02

Instrument :

BNA_F

ClientSampleId :

SP-5

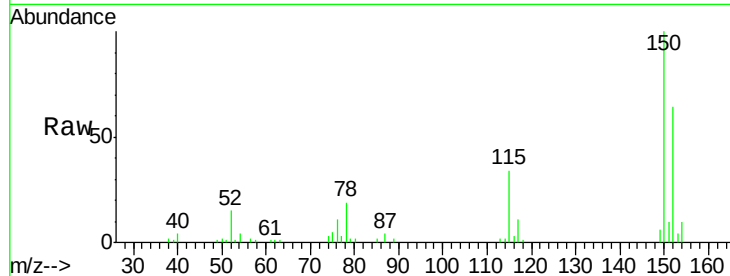
Tgt Ion:152 Resp: 35442

Ion Ratio Lower Upper

152 100

150 156.0 125.9 188.9

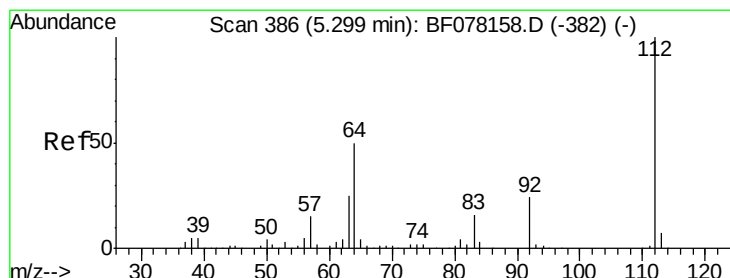
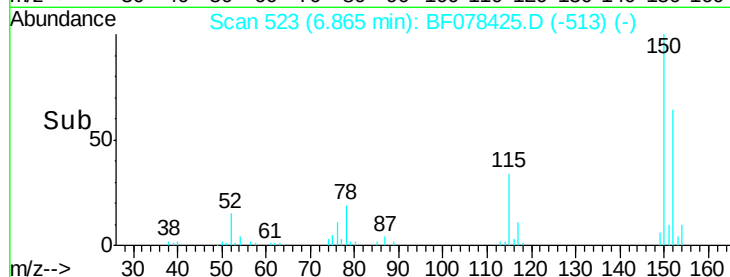
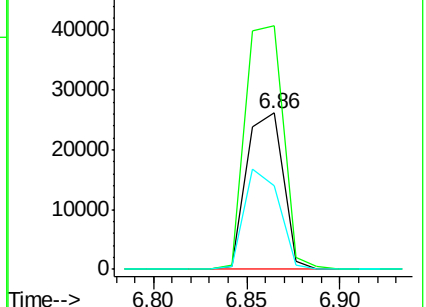
115 53.6 52.7 79.1



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: 90.78 ng

RT: 5.12 min Scan# 370

Delta R.T. 0.01 min

Lab File: BF078425.D

Acq: 11 Apr 2015 6:02

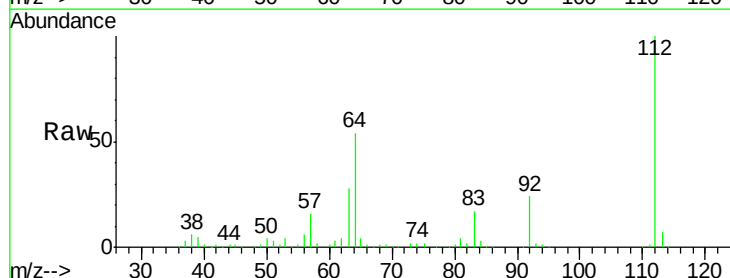
Tgt Ion:112 Resp: 195134

Ion Ratio Lower Upper

112 100

64 54.3 39.9 59.9

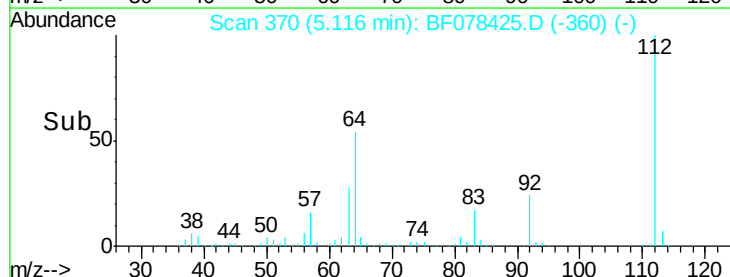
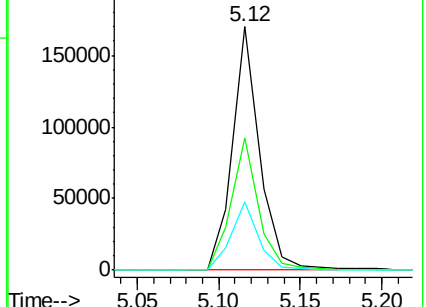
63 28.2 20.2 30.4

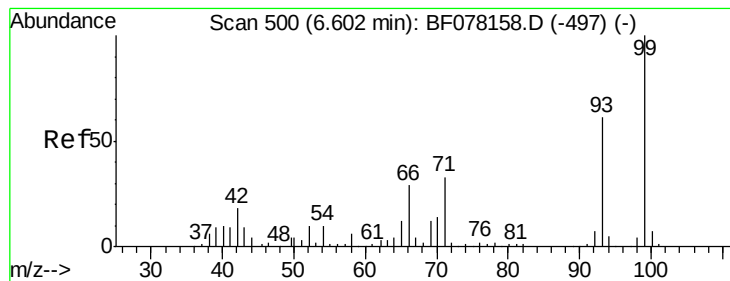


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 93.69 ng

RT: 6.45 min Scan# 487

Delta R.T. 0.00 min

Lab File: BF078425.D

Acq: 11 Apr 2015 6:02

Instrument :

BNA_F

ClientSampleId :

SP-5

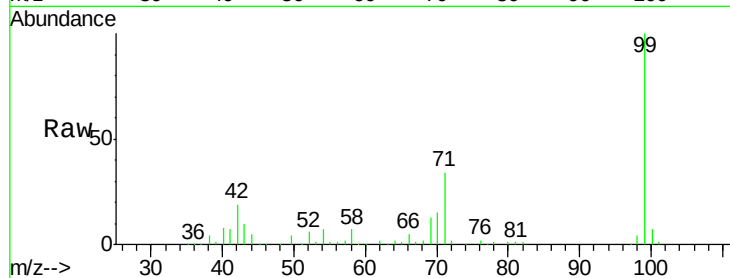
Tgt Ion: 99 Resp: 252403

Ion Ratio Lower Upper

99 100

42 19.3 14.8 22.2

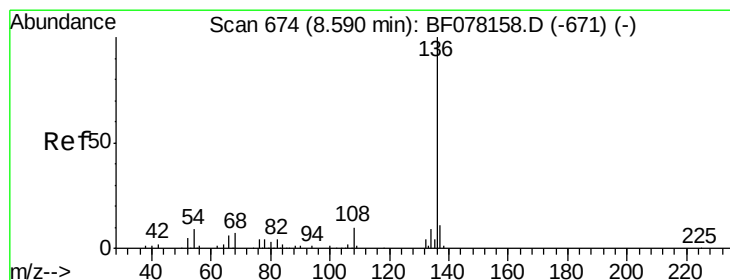
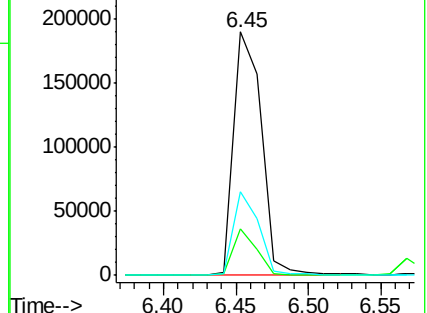
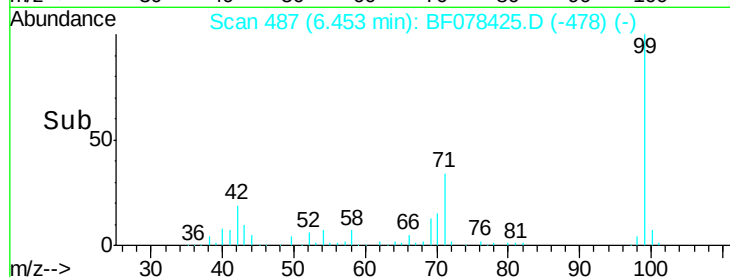
71 34.4 26.6 39.8



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: 8.44 min Scan# 661

Delta R.T. 0.00 min

Lab File: BF078425.D

Acq: 11 Apr 2015 6:02

Tgt Ion: 136 Resp: 152974

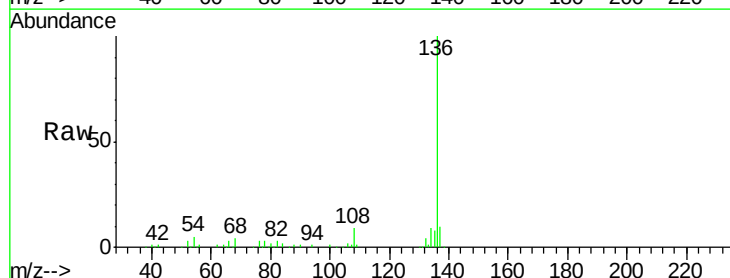
Ion Ratio Lower Upper

136 100

137 10.4 9.0 13.4

54 5.5 7.0 10.6#

68 4.0 5.4 8.2#

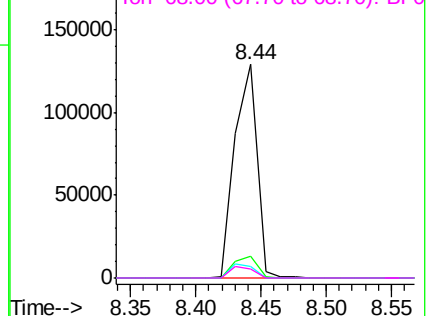
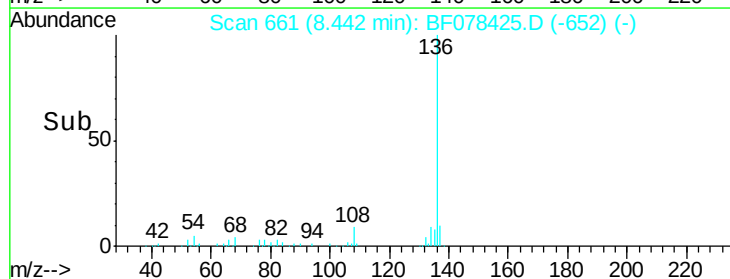


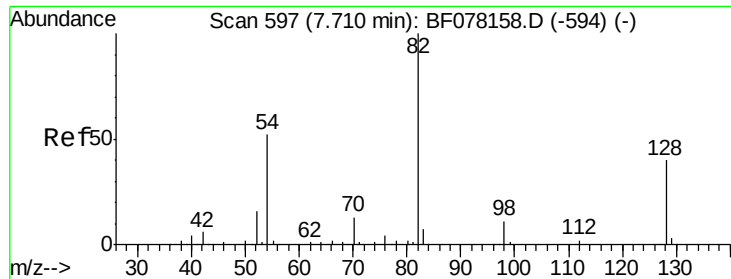
Abundance Ion 136.00 (135.70 to 136.70): E

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

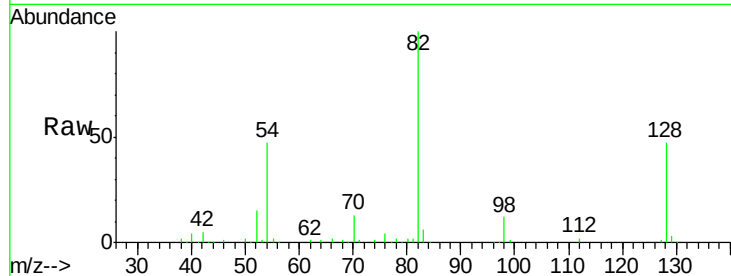




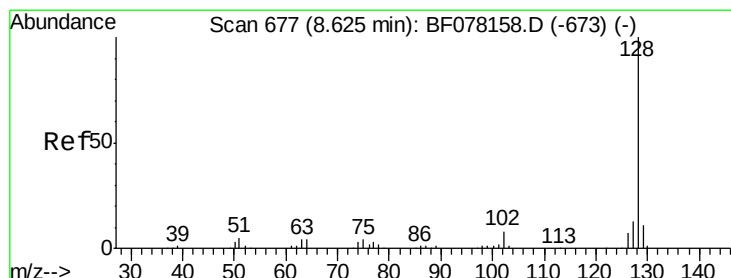
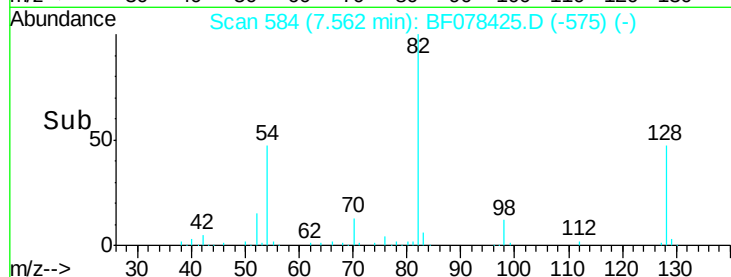
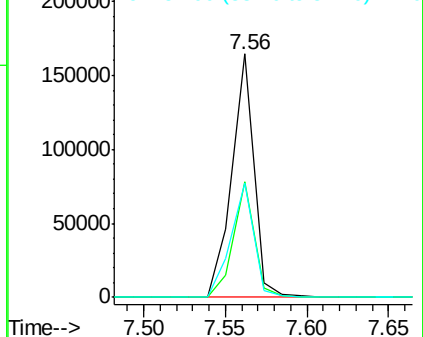
#23
 Nitrobenzene-d5
 Concen: 61.17 ng
 RT: 7.56 min Scan# 584
 Delta R.T. 0.00 min
 Lab File: BF078425.D
 Acq: 11 Apr 2015 6:02

Instrument :
 BNA_F
 ClientSampleId :
 SP-5

Tgt Ion: 82 Resp: 154382
 Ion Ratio Lower Upper
 82 100
 128 47.5 31.8 47.8
 54 47.1 41.5 62.3

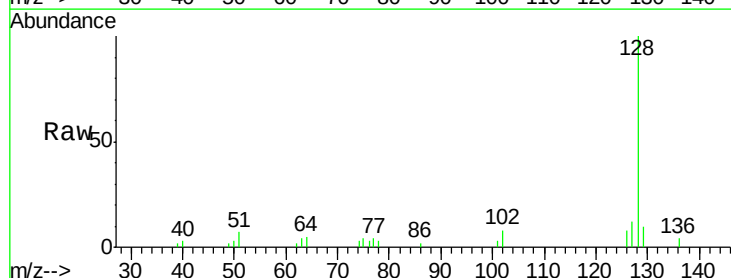


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

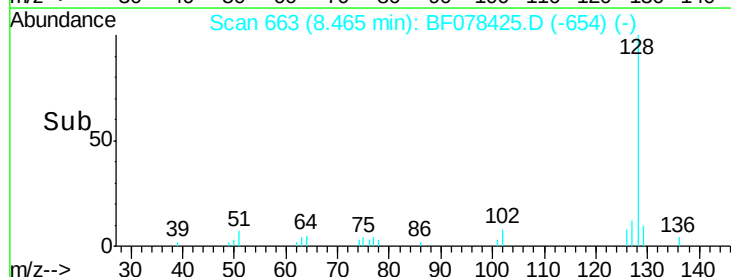
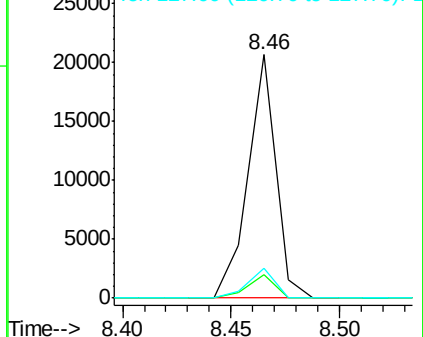


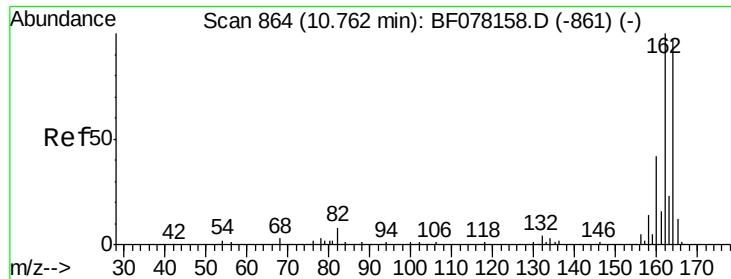
#31
 Naphthalene
 Concen: 2.30 ng
 RT: 8.46 min Scan# 663
 Delta R.T. 0.00 min
 Lab File: BF078425.D
 Acq: 11 Apr 2015 6:02

Tgt Ion: 128 Resp: 18336
 Ion Ratio Lower Upper
 128 100
 129 9.7 8.6 12.8
 127 12.4 10.7 16.1



Abundance Ion 128.00 (127.70 to 128.70): E
 Ion 129.00 (128.70 to 129.70): E
 Ion 127.00 (126.70 to 127.70): E

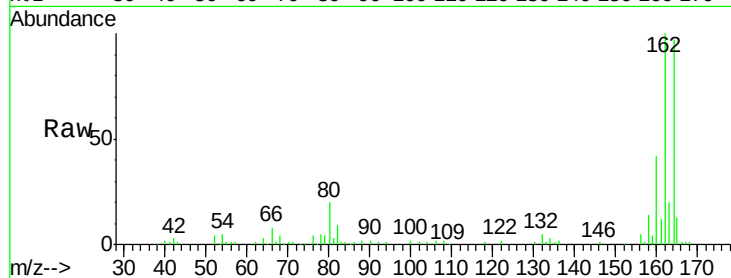




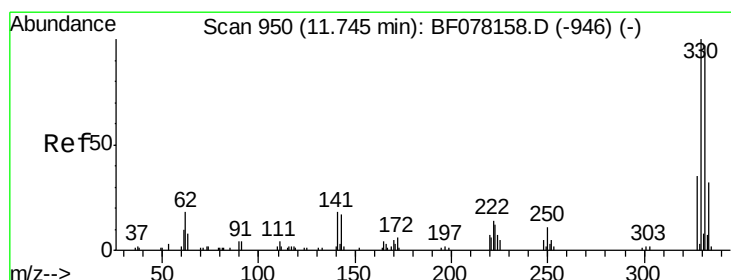
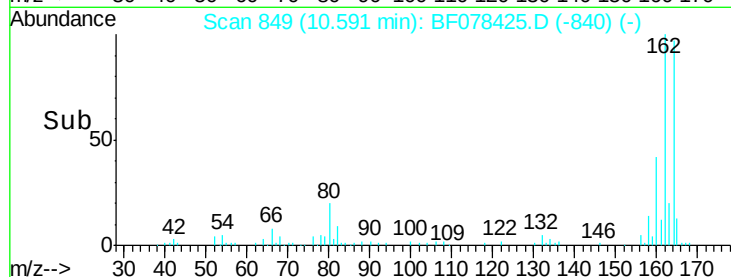
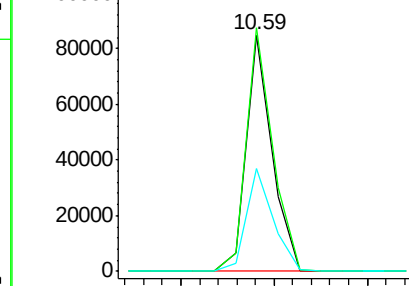
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.59 min Scan# 849
 Delta R.T. 0.00 min
 Lab File: BF078425.D
 Acq: 11 Apr 2015 6:02

Instrument :
 BNA_F
 ClientSampleId :
 SP-5

Tgt Ion:164 Resp: 81275
 Ion Ratio Lower Upper
 164 100
 162 102.9 82.2 123.2
 160 43.7 34.7 52.1

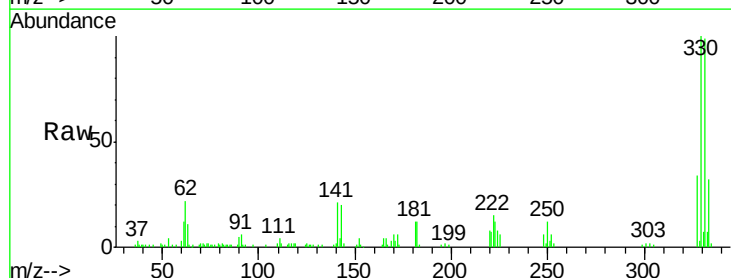


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

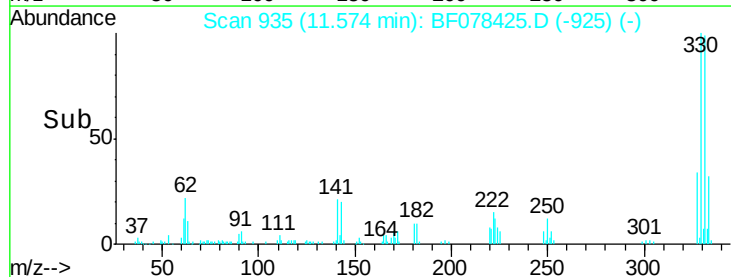
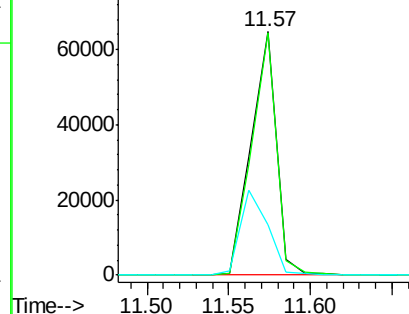


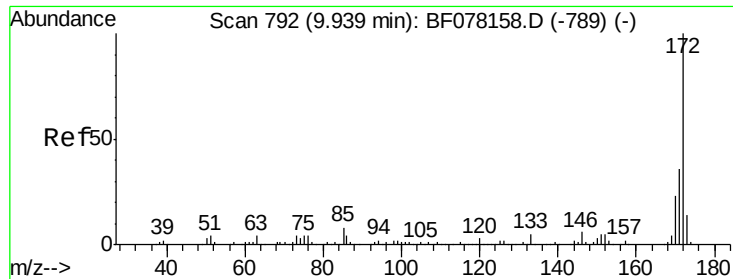
#41
 2,4,6-Tribromophenol
 Concen: 103.47 ng
 RT: 11.57 min Scan# 935
 Delta R.T. 0.01 min
 Lab File: BF078425.D
 Acq: 11 Apr 2015 6:02

Tgt Ion:330 Resp: 69746
 Ion Ratio Lower Upper
 330 100
 332 97.4 78.6 117.8
 141 37.9 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

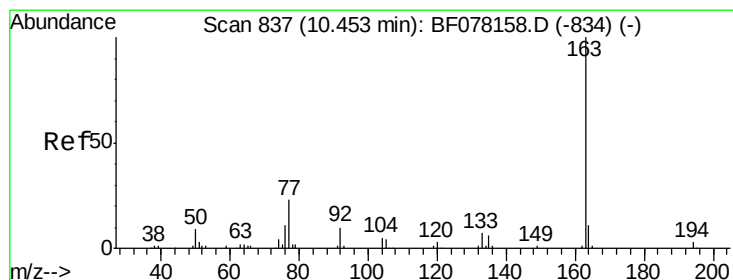
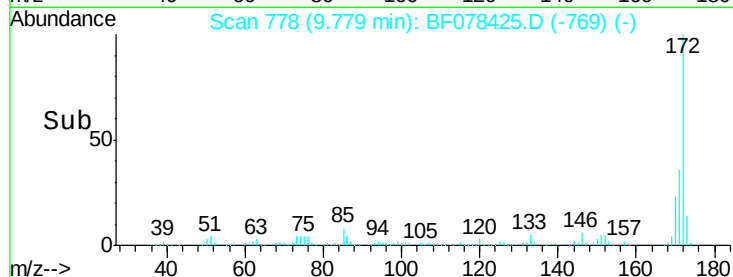
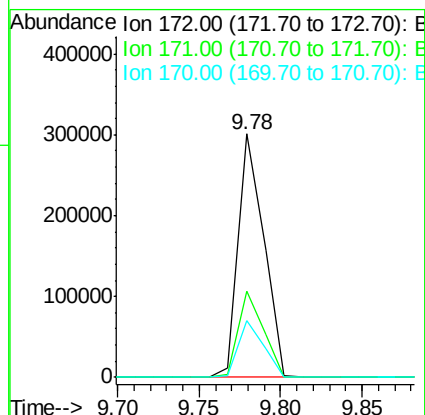
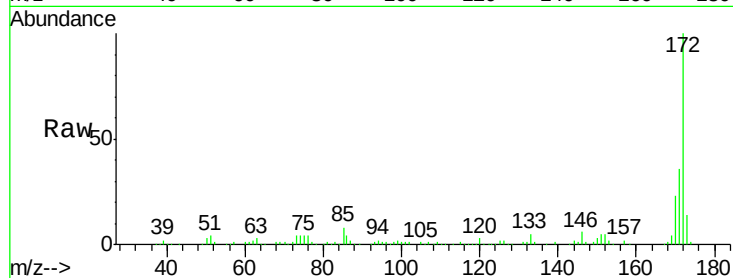




#44
 2-Fluorobiphenyl
 Concen: 57.01 ng
 RT: 9.78 min Scan# 778
 Delta R.T. 0.00 min
 Lab File: BF078425.D
 Acq: 11 Apr 2015 6:02

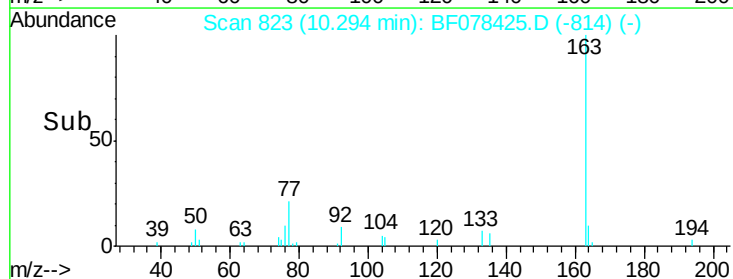
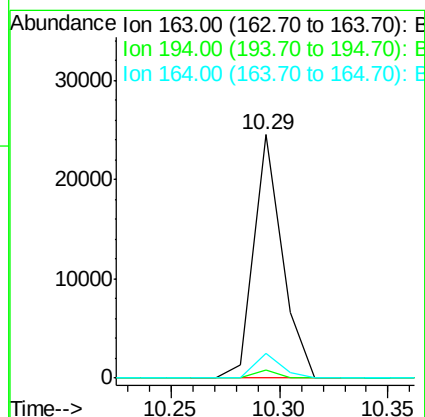
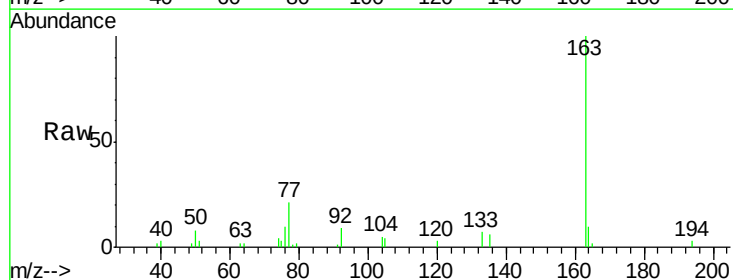
Instrument :
 BNA_F
 ClientSampled :
 SP-5

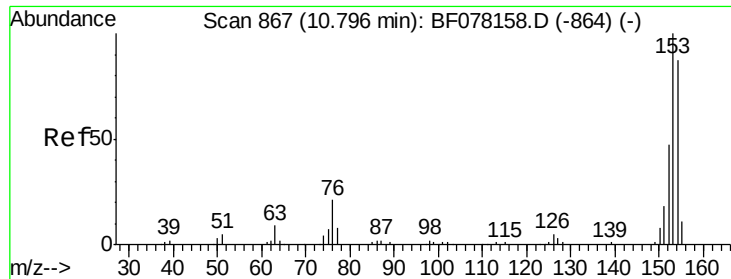
Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.6	42.8
170	23.1	18.5	27.7



#49
 Dimethylphthalate
 Concen: 3.65 ng
 RT: 10.29 min Scan# 823
 Delta R.T. 0.00 min
 Lab File: BF078425.D
 Acq: 11 Apr 2015 6:02

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.3	2.3	3.5
164	10.2	8.6	13.0





#51

Acenaphthene

Concen: 9.41 ng

RT: 10.64 min Scan# 853

Delta R.T. 0.00 min

Lab File: BF078425.D

Acq: 11 Apr 2015 6:02

Instrument :

BNA_F

ClientSampleId :

SP-5

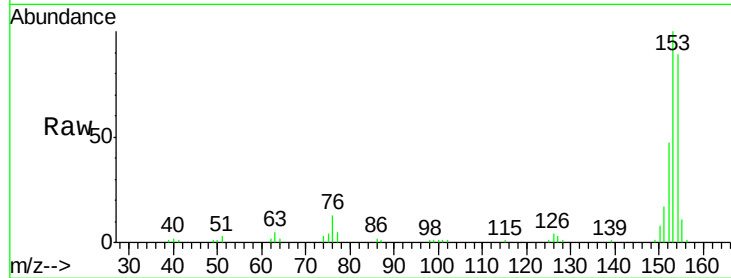
Tgt Ion:154 Resp: 44729

Ion Ratio Lower Upper

154 100

153 112.1 91.4 137.2

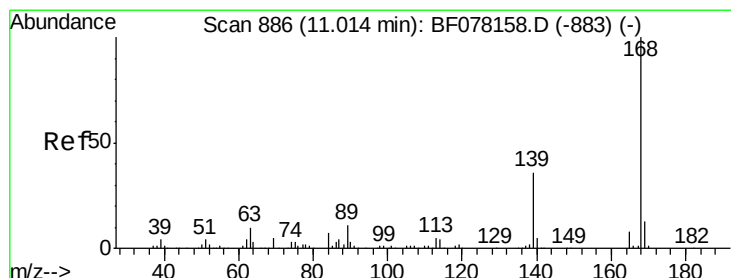
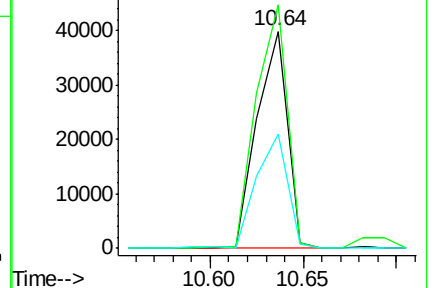
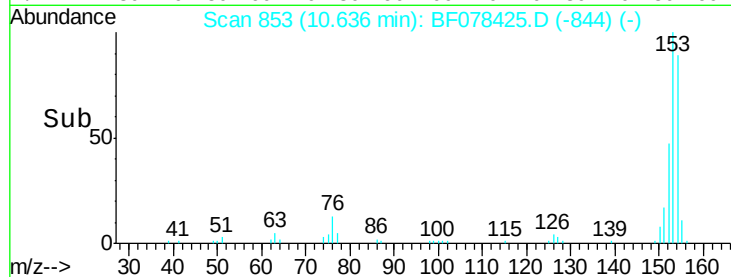
152 52.8 43.0 64.6



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#54

Dibenzofuran

Concen: 4.41 ng

RT: 10.84 min Scan# 871

Delta R.T. 0.00 min

Lab File: BF078425.D

Acq: 11 Apr 2015 6:02

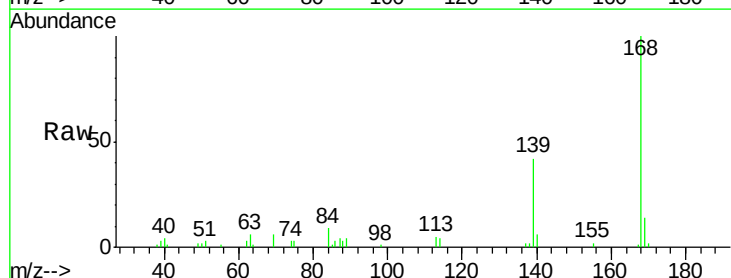
Tgt Ion:168 Resp: 32019

Ion Ratio Lower Upper

168 100

139 41.7 31.0 46.4

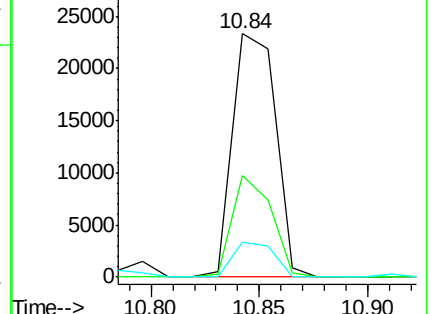
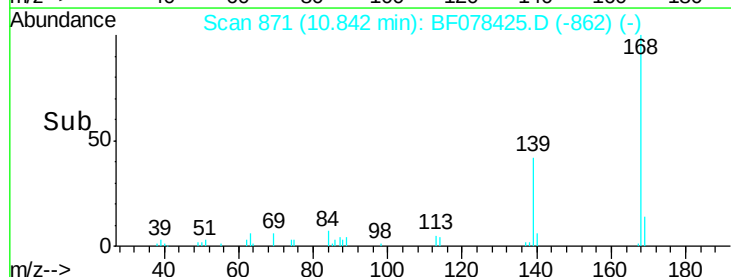
169 14.5 10.7 16.1

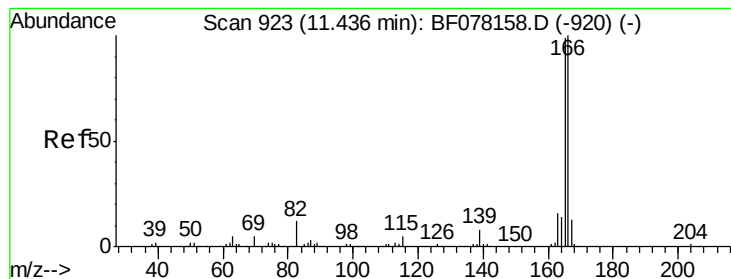


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#57

Fluorene

Concen: 6.60 ng

RT: 11.27 min Scan# 908

Delta R.T. 0.00 min

Lab File: BF078425.D

Acq: 11 Apr 2015 6:02

Instrument :

BNA_F

ClientSampleId :

SP-5

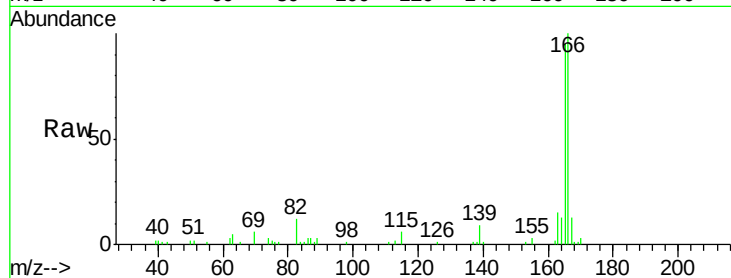
Tgt Ion:166 Resp: 38854

Ion Ratio Lower Upper

166 100

165 95.3 78.9 118.3

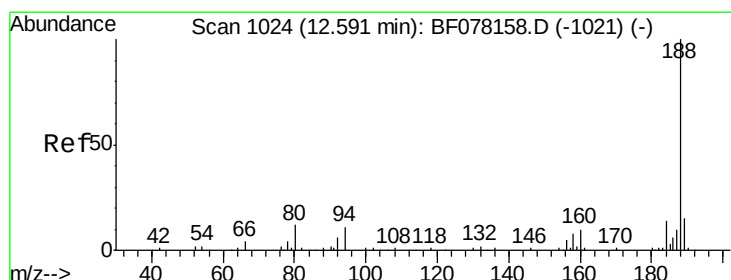
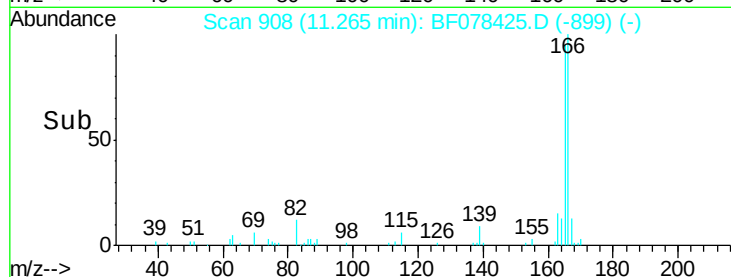
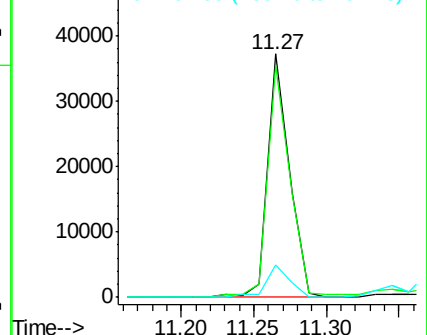
167 13.5 10.7 16.1



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 12.42 min Scan# 1009

Delta R.T. 0.00 min

Lab File: BF078425.D

Acq: 11 Apr 2015 6:02

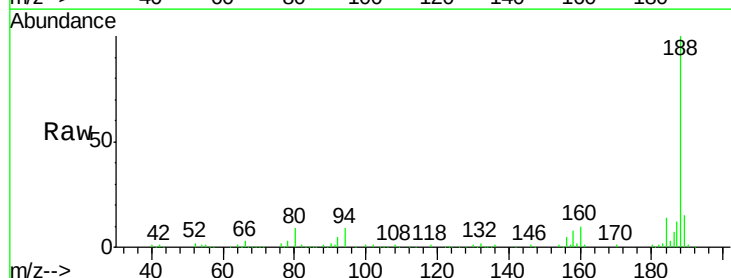
Tgt Ion:188 Resp: 159271

Ion Ratio Lower Upper

188 100

94 9.0 9.0 13.4

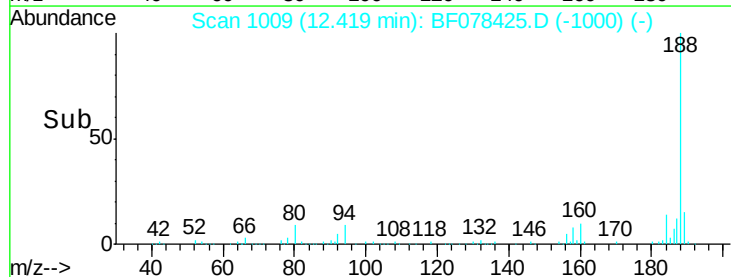
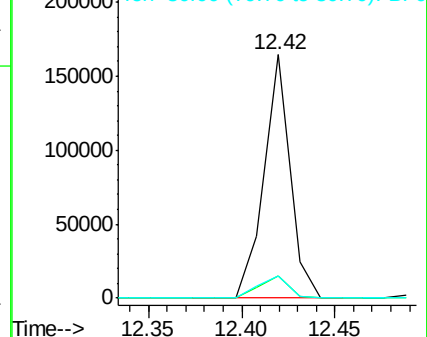
80 9.3 9.5 14.3#

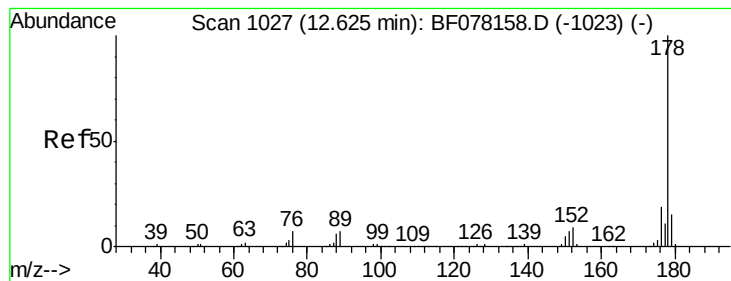


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 56.01 ng

RT: 12.45 min Scan# 1012

Delta R.T. 0.01 min

Lab File: BF078425.D

Acq: 11 Apr 2015 6:02

Instrument :

BNA_F

ClientSampled :

SP-5

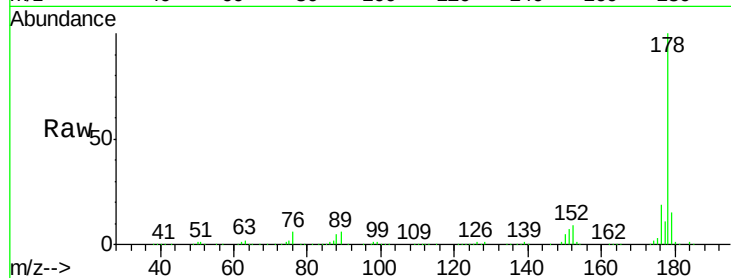
Tgt Ion:178 Resp: 516028

Ion Ratio Lower Upper

178 100

176 18.8 15.4 23.0

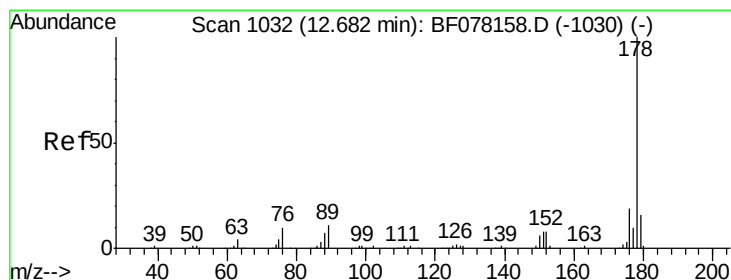
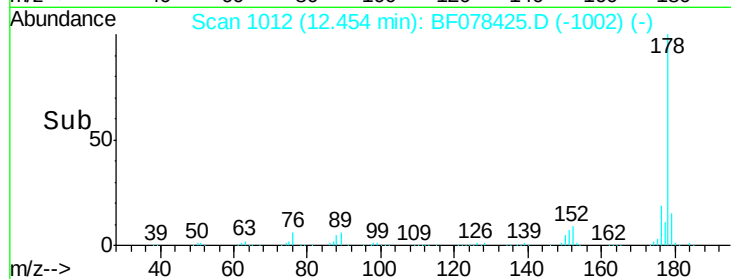
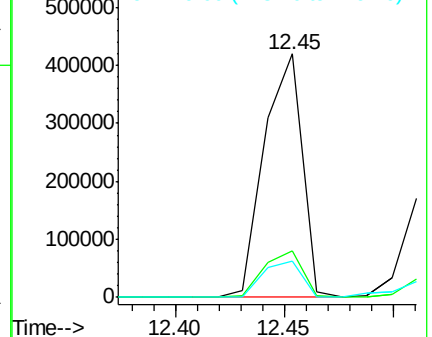
179 14.9 12.2 18.2



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: 16.78 ng

RT: 12.51 min Scan# 1017

Delta R.T. 0.00 min

Lab File: BF078425.D

Acq: 11 Apr 2015 6:02

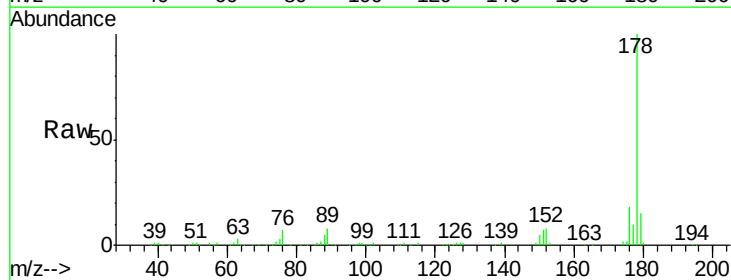
Tgt Ion:178 Resp: 152336

Ion Ratio Lower Upper

178 100

176 18.0 14.8 22.2

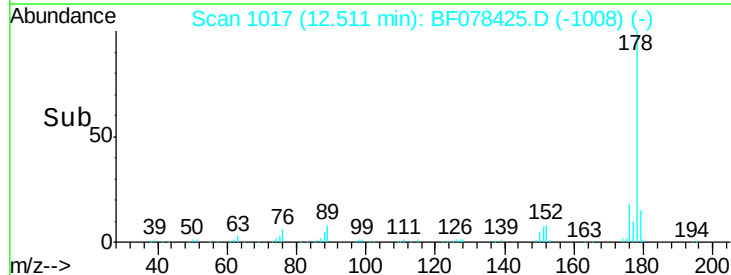
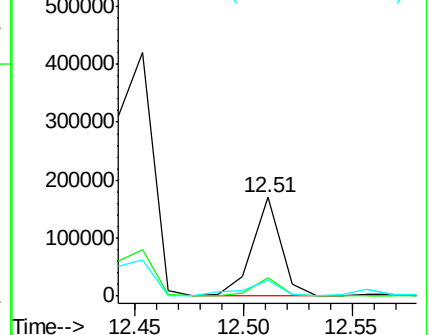
179 15.4 12.4 18.6

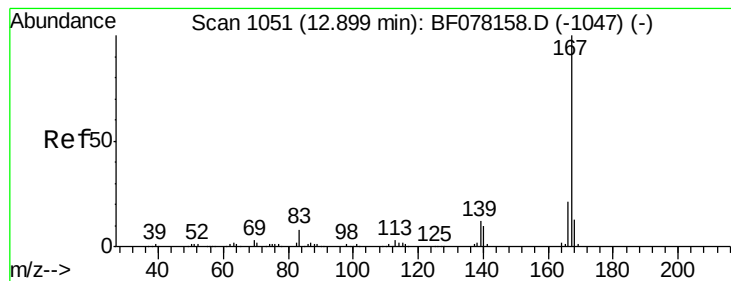


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 7.50 ng

RT: 12.73 min Scan# 1036

Delta R.T. 0.00 min

Lab File: BF078425.D

Acq: 11 Apr 2015 6:02

Instrument :

BNA_F

ClientSampled :

SP-5

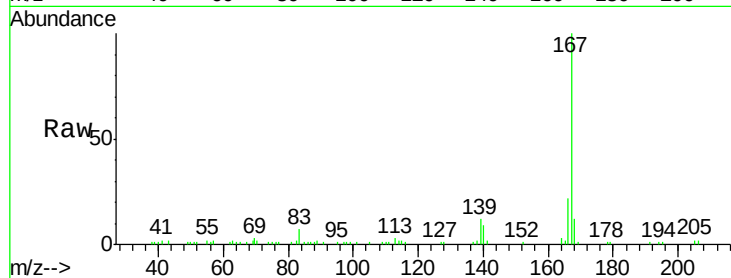
Tgt Ion:167 Resp: 63770

Ion Ratio Lower Upper

167 100

166 21.8 16.8 25.2

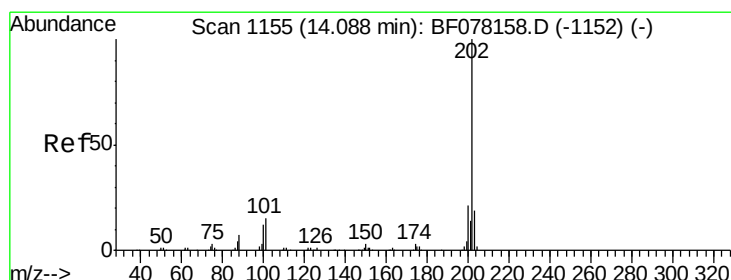
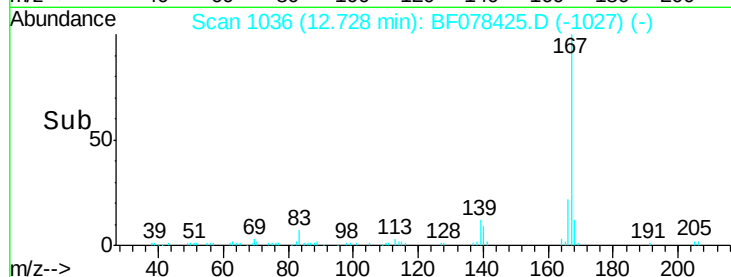
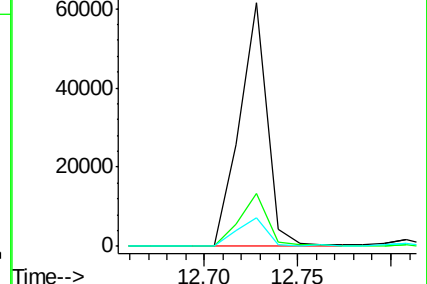
139 11.6 10.0 15.0



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 100.71 ng

RT: 13.92 min Scan# 1140

Delta R.T. 0.01 min

Lab File: BF078425.D

Acq: 11 Apr 2015 6:02

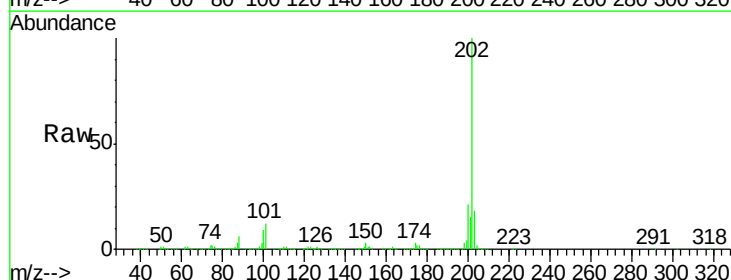
Tgt Ion:202 Resp: 978521

Ion Ratio Lower Upper

202 100

101 12.2 0.0 35.2

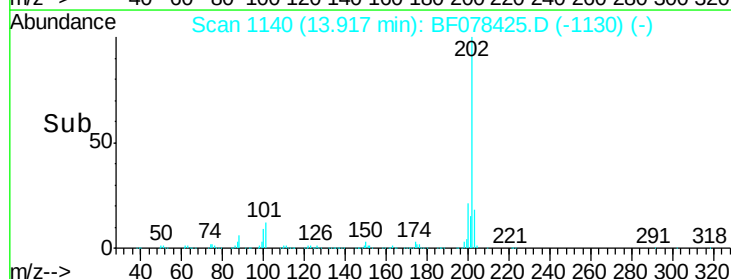
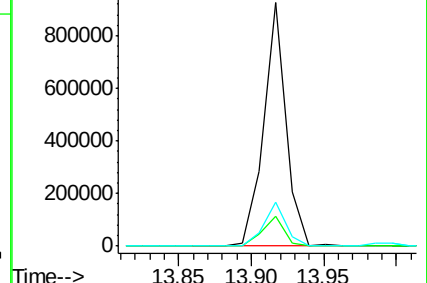
203 18.1 0.0 38.5

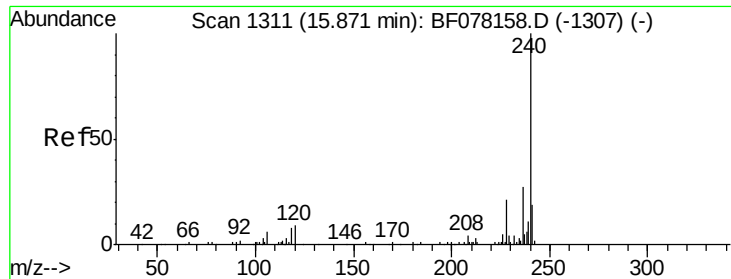


Abundance Ion 202.00 (201.70 to 202.70): E

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: 15.69 min Scan# 1295

Delta R.T. 0.01 min

Lab File: BF078425.D

Acq: 11 Apr 2015 6:02

Instrument :

BNA_F

ClientSampleId :

SP-5

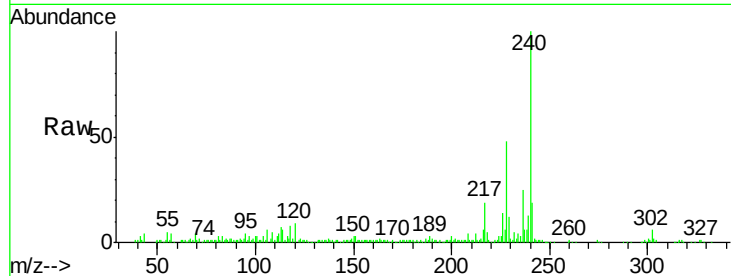
Tgt Ion:240 Resp: 159316

Ion Ratio Lower Upper

240 100

120 9.3 7.1 10.7

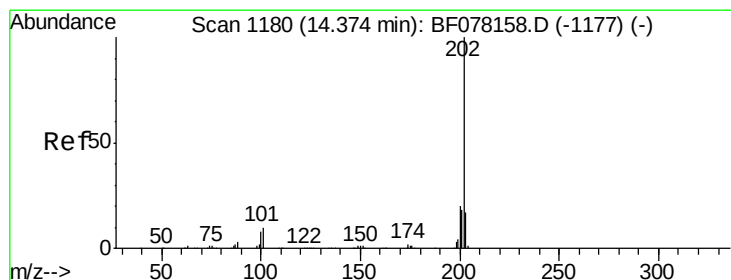
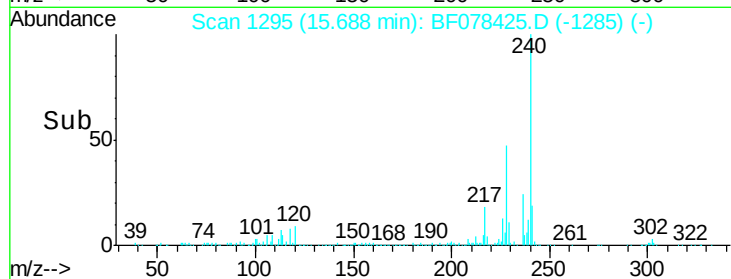
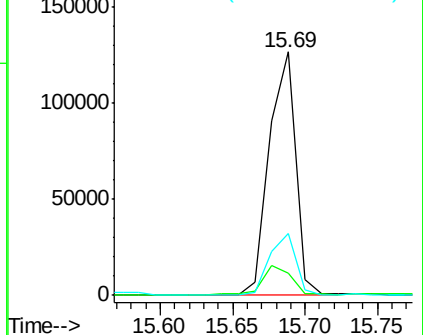
236 25.4 21.4 32.2



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: 89.34 ng

RT: 14.19 min Scan# 1164

Delta R.T. 0.01 min

Lab File: BF078425.D

Acq: 11 Apr 2015 6:02

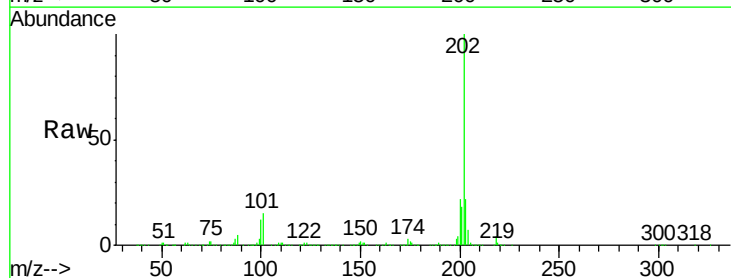
Tgt Ion:202 Resp: 893477

Ion Ratio Lower Upper

202 100

200 21.5 16.3 24.5

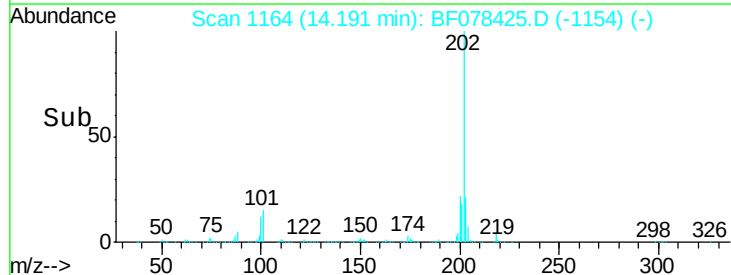
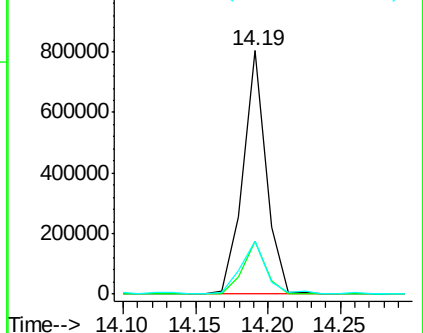
203 21.6 13.8 20.6#

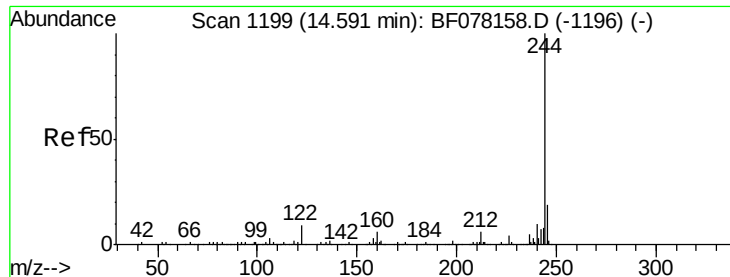


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 52.77 ng

RT: 14.41 min Scan# 1183

Delta R.T. 0.00 min

Lab File: BF078425.D

Acq: 11 Apr 2015 6:02

Instrument :

BNA_F

ClientSampleId :

SP-5

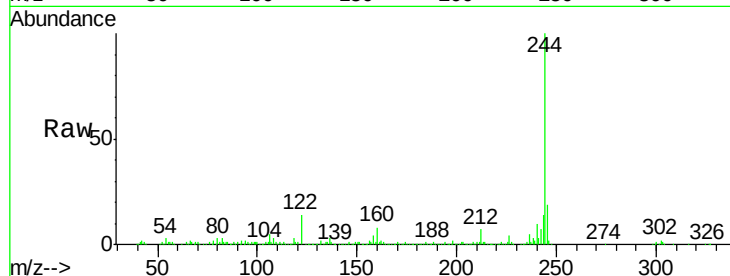
Tgt Ion:244 Resp: 372018

Ion Ratio Lower Upper

244 100

212 6.9 5.0 7.4

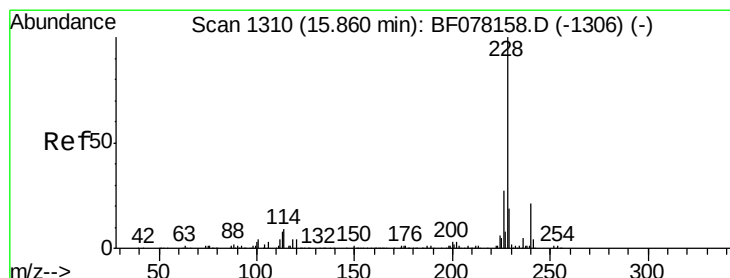
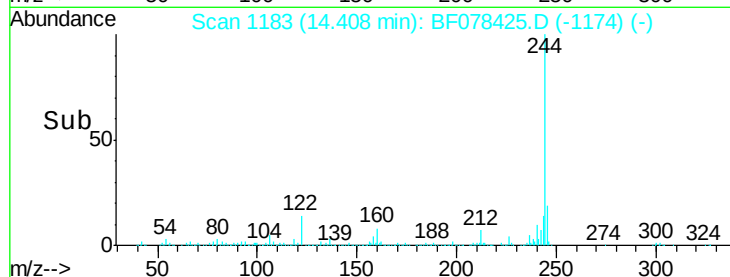
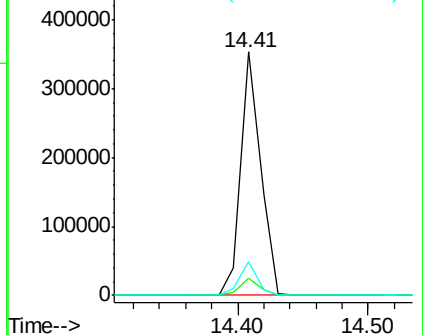
122 13.8 7.1 10.7#



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: 59.78 ng

RT: 15.68 min Scan# 1294

Delta R.T. 0.01 min

Lab File: BF078425.D

Acq: 11 Apr 2015 6:02

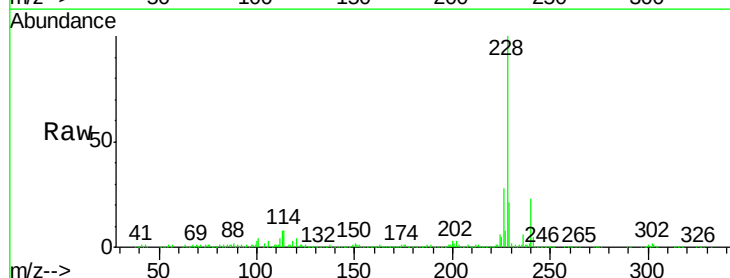
Tgt Ion:228 Resp: 566673

Ion Ratio Lower Upper

228 100

226 27.7 21.3 31.9

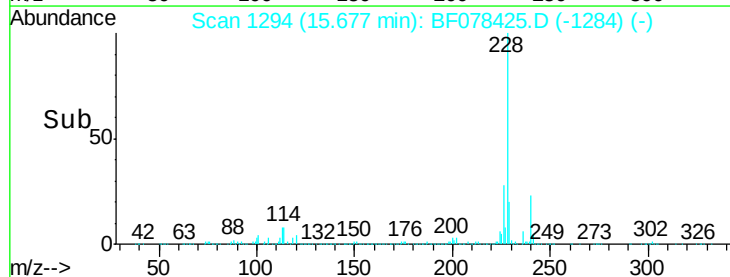
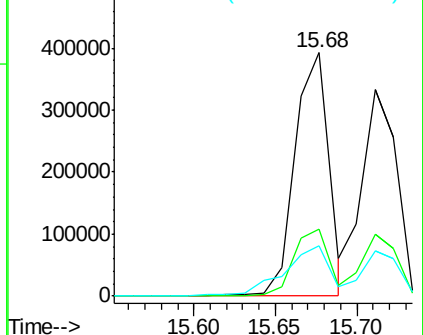
229 20.5 15.4 23.2

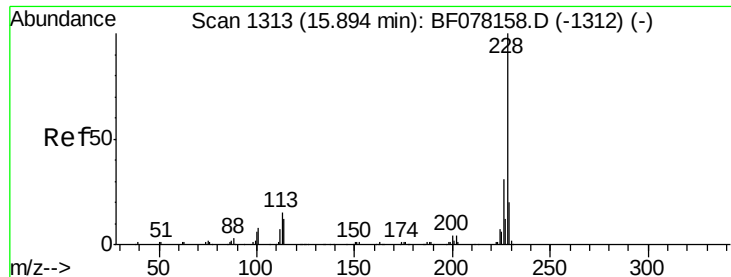


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 54.88 ng

RT: 15.71 min Scan# 1297

Delta R.T. 0.00 min

Lab File: BF078425.D

Acq: 11 Apr 2015 6:02

Instrument :

BNA_F

ClientSampleId :

SP-5

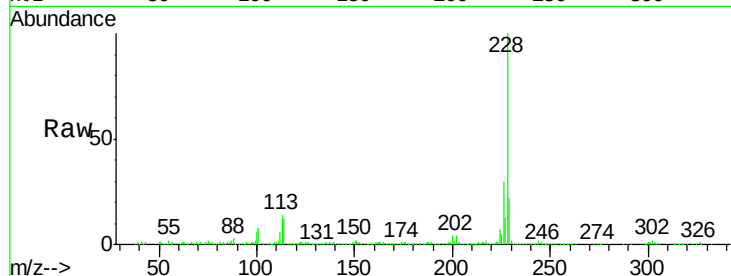
Tgt Ion:228 Resp: 488785

Ion Ratio Lower Upper

228 100

226 30.2 24.2 36.4

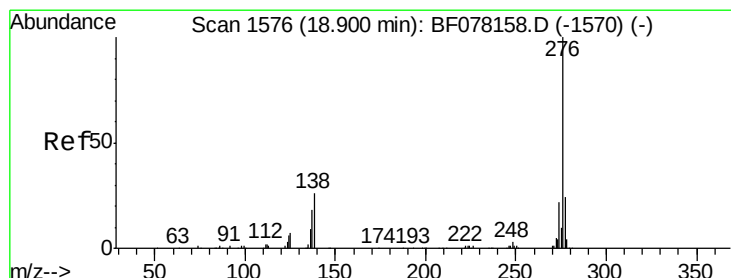
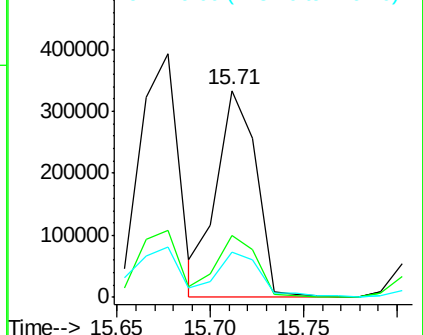
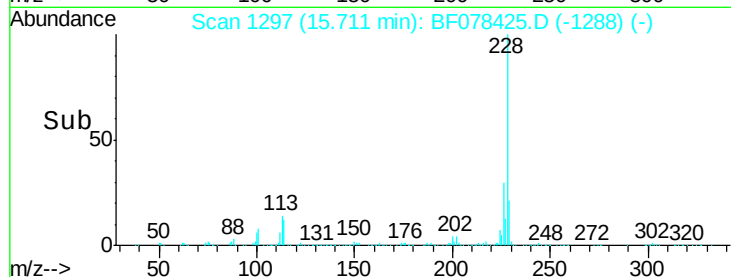
229 22.0 15.8 23.8



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: 30.00 ng m

RT: 18.55 min Scan# 1545

Delta R.T. 0.02 min

Lab File: BF078425.D

Acq: 11 Apr 2015 6:02

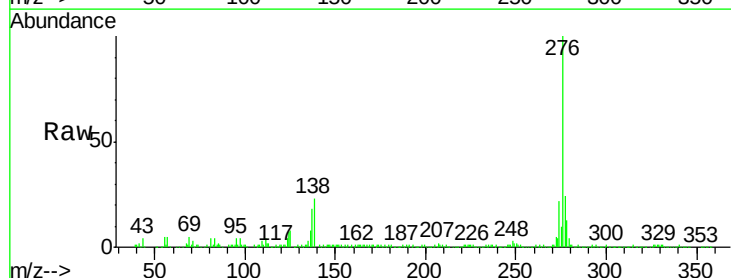
Tgt Ion:276 Resp: 303158

Ion Ratio Lower Upper

276 100

138 4.4 16.9 25.3#

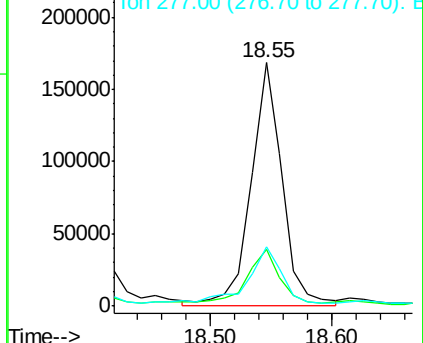
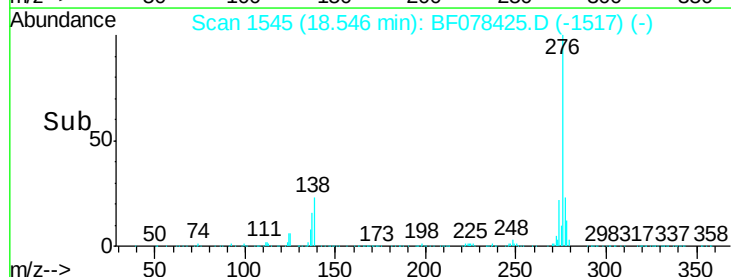
277 4.4 15.8 23.6#

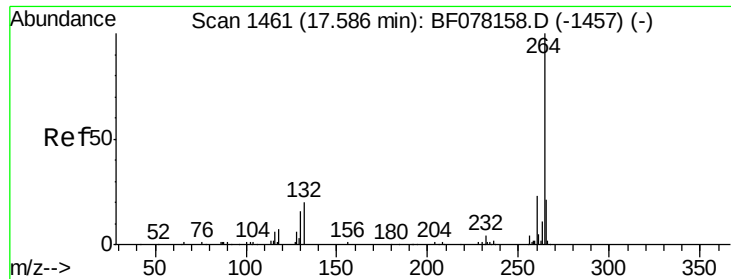


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

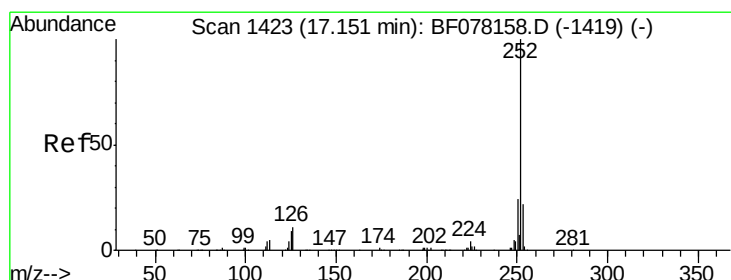
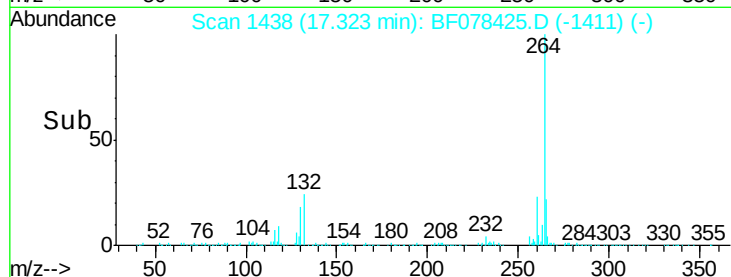
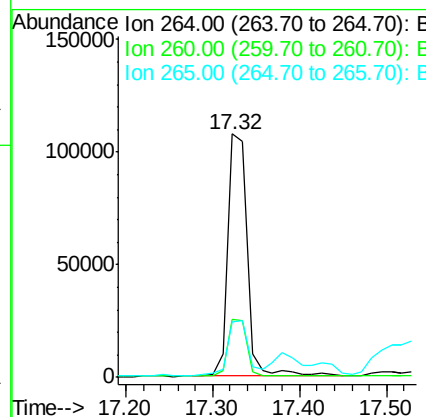
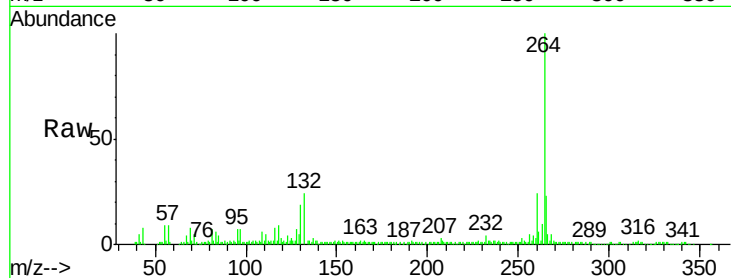




#86
Perylene-d12
Concen: 20.00 ng
RT: 17.32 min Scan# 1438
Delta R.T. 0.01 min
Lab File: BF078425.D
Acq: 11 Apr 2015 6:02

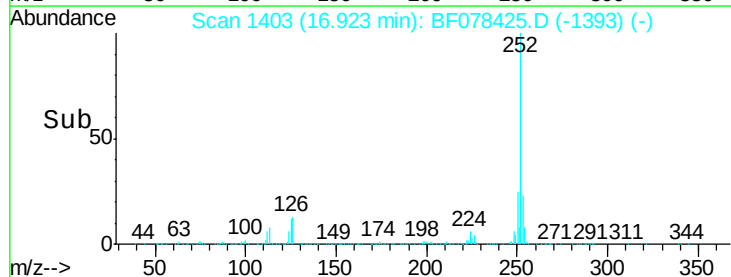
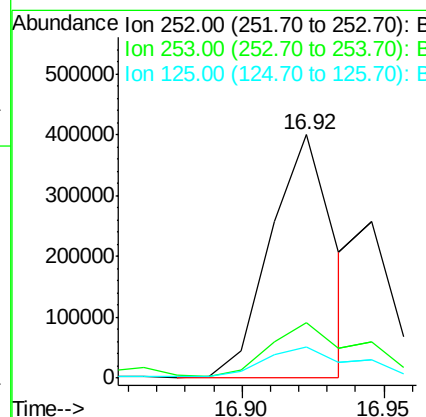
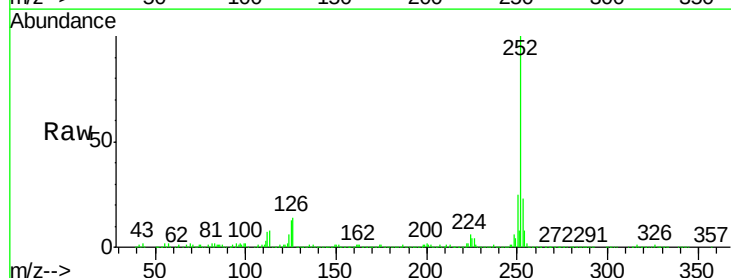
Instrument :
BNA_F
ClientSampleID :
SP-5

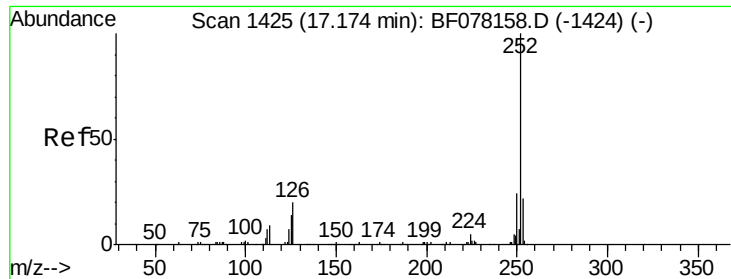
Tgt Ion: 264 Resp: 168405
Ion Ratio Lower Upper
264 100
260 24.0 18.6 27.8
265 22.9 17.0 25.6



#87
Benzo(b)fluoranthene
Concen: 60.04 ng m
RT: 16.92 min Scan# 1403
Delta R.T. 0.01 min
Lab File: BF078425.D
Acq: 11 Apr 2015 6:02

Tgt Ion: 252 Resp: 624891
Ion Ratio Lower Upper
252 100
253 22.9 17.2 25.8
125 12.7 7.0 10.4#

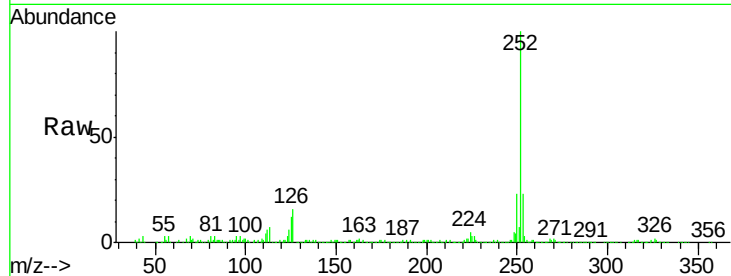




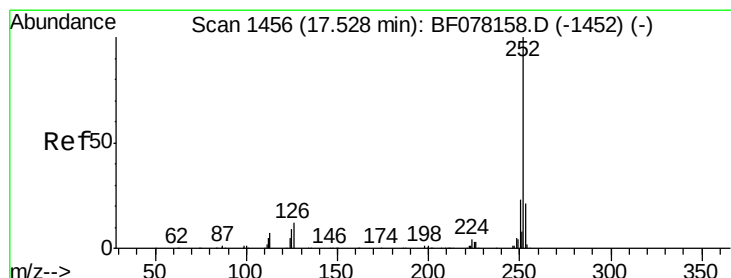
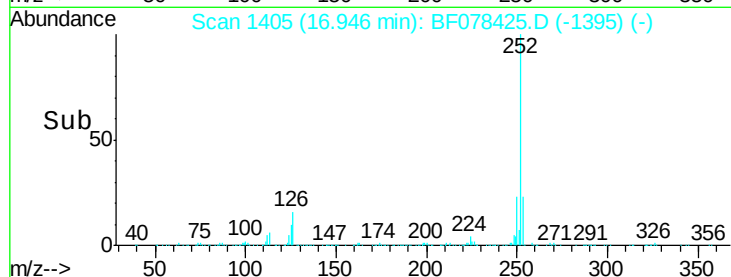
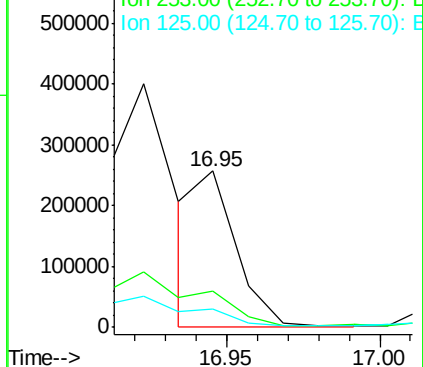
#88
Benzo(k)fluoranthene
Concen: 25.13 ng m
RT: 16.95 min Scan# 1405
Delta R.T. 0.01 min
Lab File: BF078425.D
Acq: 11 Apr 2015 6:02

Instrument :
BNA_F
ClientSampleId :
SP-5

Tgt Ion:252 Resp: 232422
Ion Ratio Lower Upper
252 100
253 23.4 17.5 26.3
125 11.5 11.6 17.4#

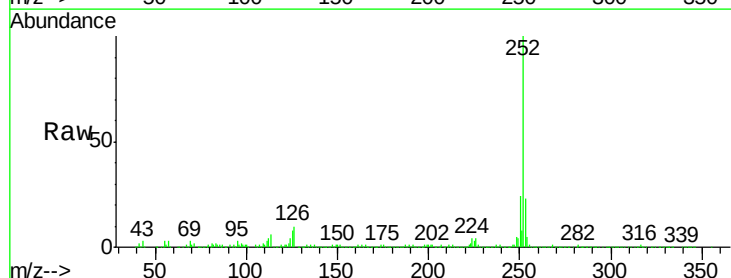


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

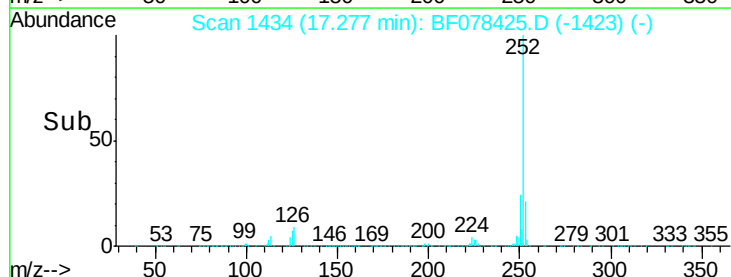
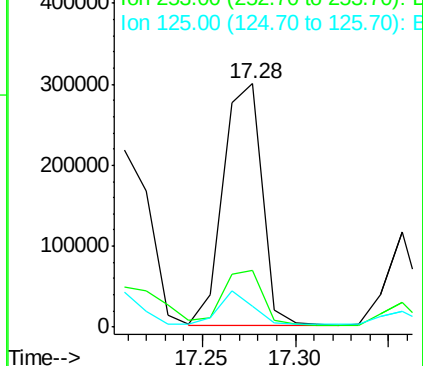


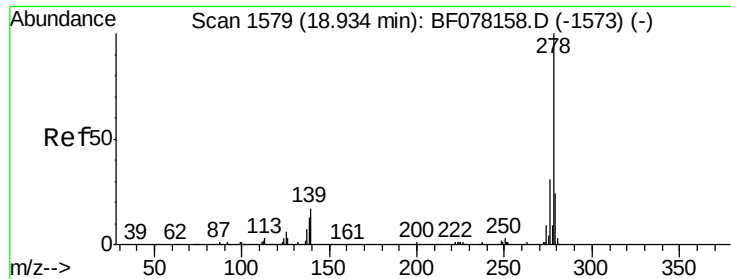
#89
Benzo(a)pyrene
Concen: 47.65 ng
RT: 17.28 min Scan# 1434
Delta R.T. 0.02 min
Lab File: BF078425.D
Acq: 11 Apr 2015 6:02

Tgt Ion:252 Resp: 432855
Ion Ratio Lower Upper
252 100
253 23.2 16.8 25.2
125 8.5 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





#90

Dibenzo(a,h)anthracene

Concen: 7.39 ng

RT: 18.56 min Scan# 1546

Delta R.T. 0.00 min

Lab File: BF078425.D

Acq: 11 Apr 2015 6:02

Instrument :

BNA_F

ClientSampled :

SP-5

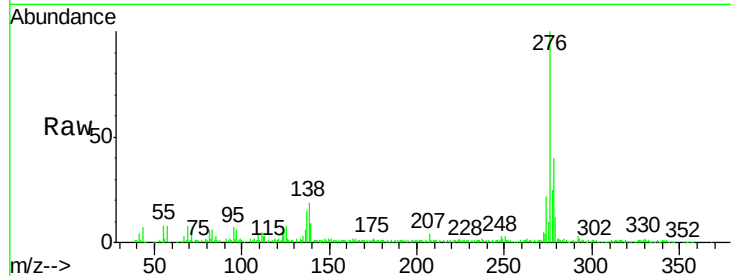
Tgt Ion:278 Resp: 67204

Ion Ratio Lower Upper

278 100

139 22.3 13.6 20.4#

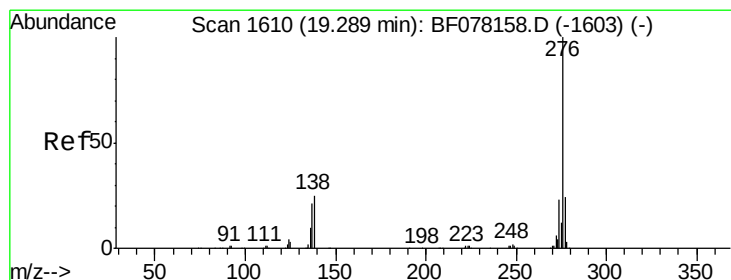
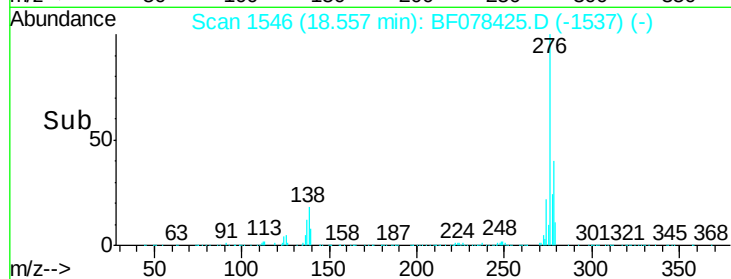
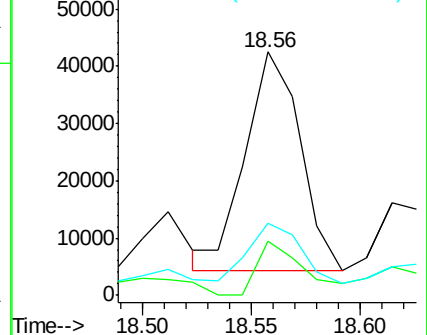
279 29.4 19.0 28.6#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 28.68 ng

RT: 18.90 min Scan# 1576

Delta R.T. 0.02 min

Lab File: BF078425.D

Acq: 11 Apr 2015 6:02

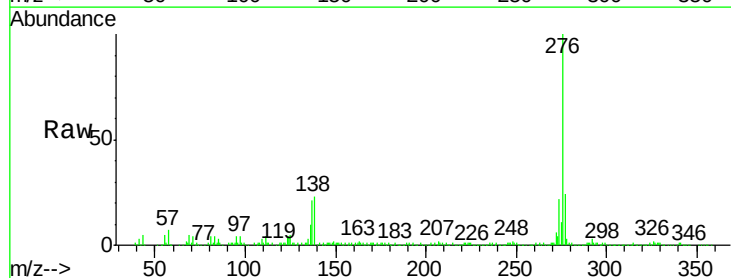
Tgt Ion:276 Resp: 261541

Ion Ratio Lower Upper

276 100

277 24.0 19.0 28.4

138 23.2 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

