

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040615\
 Data File : BF078283.D
 Acq On : 7 Apr 2015 5:07
 Operator : TP/IZ
 Sample : G1775-02
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SW-015

Quant Time: Apr 07 06:58:21 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 07 04:11:17 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.98	152	43112	20.00	ng	0.00
21) Naphthalene-d8	8.56	136	175032	20.00	ng	0.00
38) Acenaphthene-d10	10.72	164	86724	20.00	ng	0.00
63) Phenanthrene-d10	12.55	188	172564	20.00	ng	0.00
75) Chrysene-d12	15.81	240	183828	20.00	ng	0.00
86) Perylene-d12	17.48	264	185183	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.26	112	245374	93.84	ng	0.01
7) Phenol-d6	6.58	99	324066	98.89	ng	0.00
23) Nitrobenzene-d5	7.68	82	188340	65.22	ng	0.00
41) 2,4,6-Tribromophenol	11.70	330	74956	104.21	ng	0.00
44) 2-Fluorobiphenyl	9.90	172	373699	61.59	ng	0.00
78) Terphenyl-d14	14.55	244	396149	48.70	ng	0.00

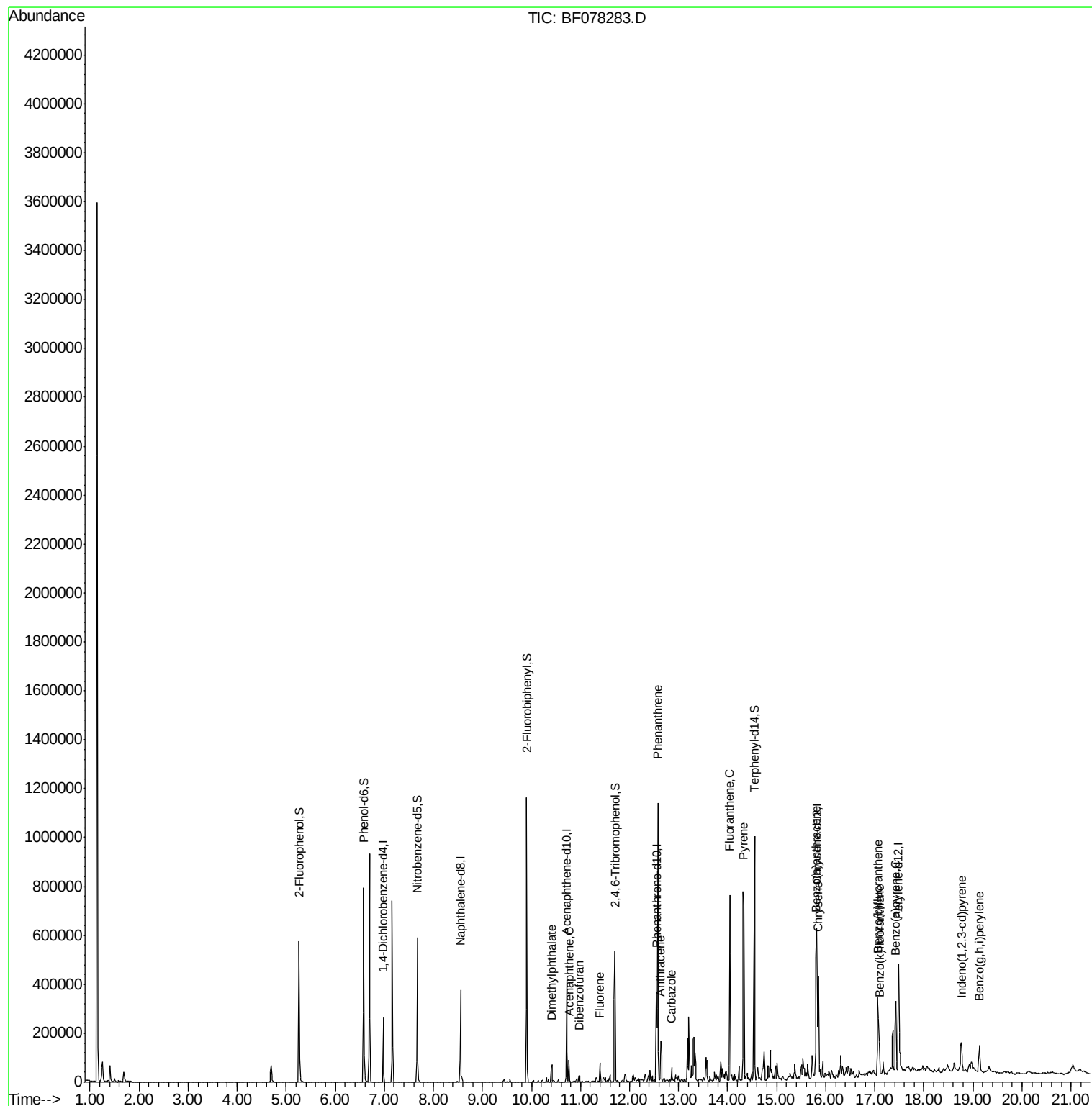
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
49) Dimethylphthalate	10.42	163	45121	6.93	ng	# 97
51) Acenaphthene	10.76	154	28602	5.64	ng	97
54) Dibenzofuran	10.98	168	16322	2.11	ng	92
57) Fluorene	11.39	166	28442	4.53	ng	95
70) Phenanthrene	12.58	178	455609	45.64	ng	100
71) Anthracene	12.64	178	84995	8.64	ng	97
72) Carbazole	12.85	167	24887	2.70	ng	97
74) Fluoranthene	14.04	202	415521	39.47	ng	97
77) Pyrene	14.33	202	435773	37.76	ng	99
80) Benzo(a)anthracene	15.80	228	198436	18.14	ng	96
82) Chrysene	15.85	228	165707	16.13	ng	98
85) Indeno(1,2,3-cd)pyrene	18.76	276	82466	7.07	ng	# 87
87) Benzo(b)fluoranthene	17.06	252	194583m	17.00	ng	
88) Benzo(k)fluoranthene	17.09	252	46405m	4.56	ng	
89) Benzo(a)pyrene	17.43	252	139934	14.01	ng	97
91) Benzo(g,h,i)perylene	19.13	276	79542	7.93	ng	99

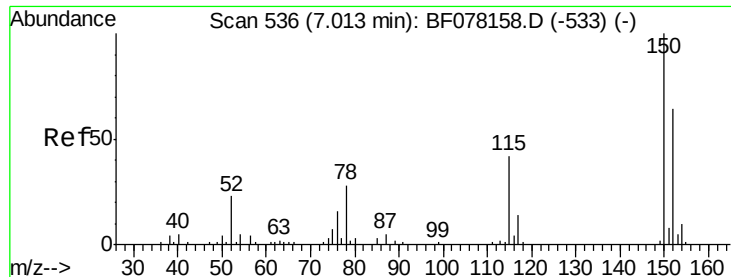
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.98 min Scan# 533

Delta R.T. 0.00 min

Lab File: BF078283.D

Acq: 7 Apr 2015 5:07

Instrument :

BNA_F

ClientSampleId :

SW-015

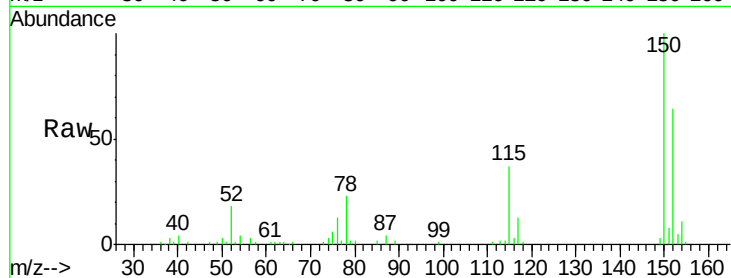
Tot Ion:152 Resp: 43112

Ion Ratio Lower Upper

152 100

150 156.0 125.9 188.9

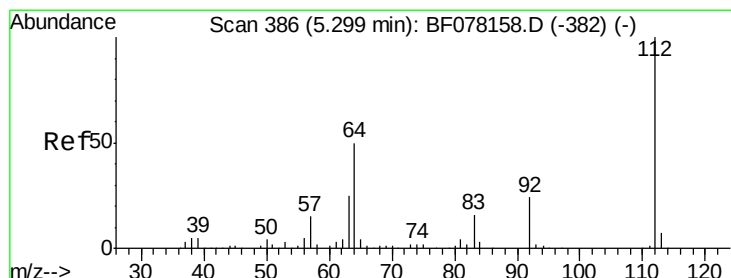
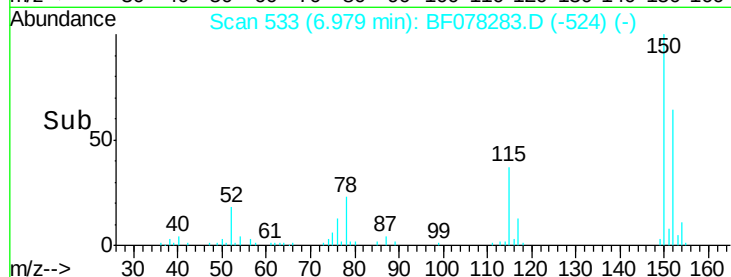
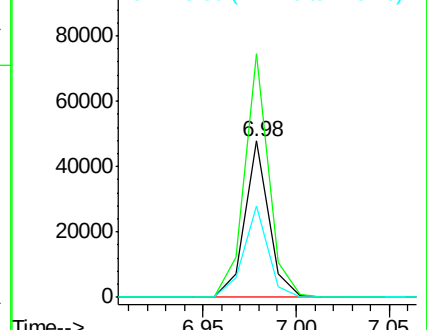
115 58.2 52.7 79.1



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: 93.84 ng

RT: 5.26 min Scan# 383

Delta R.T. 0.01 min

Lab File: BF078283.D

Acq: 7 Apr 2015 5:07

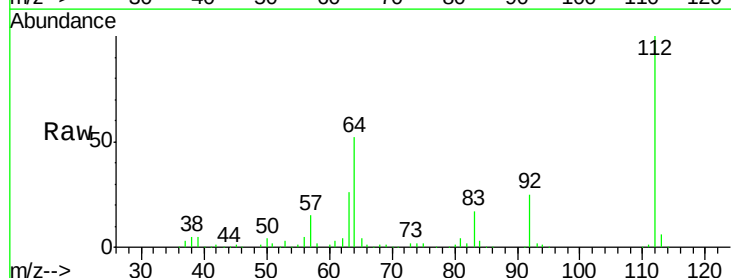
Tgt Ion:112 Resp: 245374

Ion Ratio Lower Upper

112 100

64 52.0 39.9 59.9

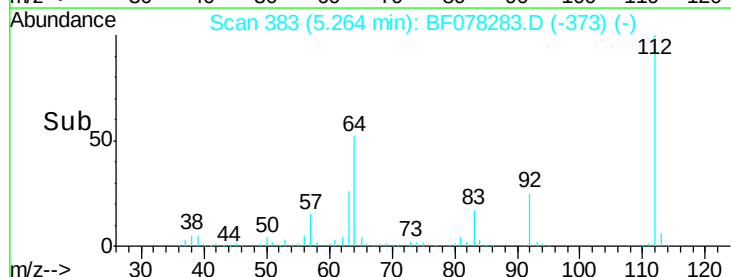
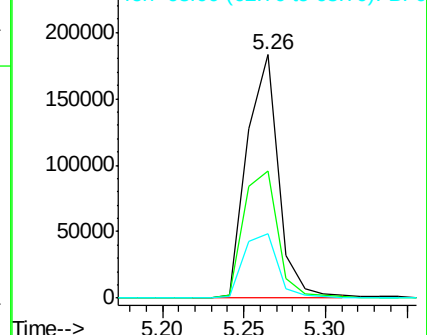
63 26.4 20.2 30.4

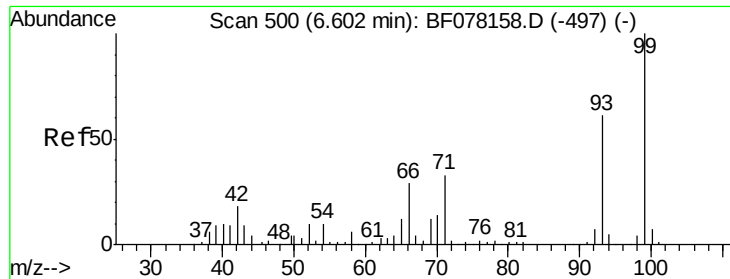


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 98.89 ng

RT: 6.58 min Scan# 498

Delta R.T. 0.00 min

Lab File: BF078283.D

Acq: 7 Apr 2015 5:07

Instrument :

BNA_F

ClientSampleId :

SW-015

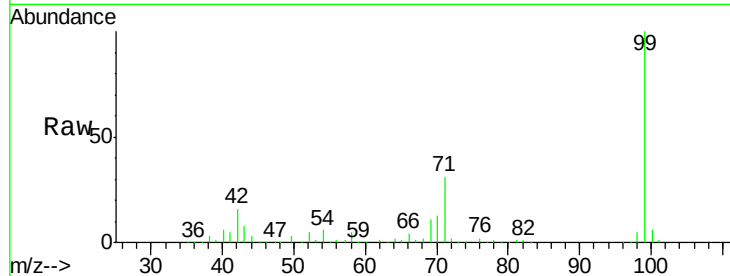
Tot Ion: 99 Resp: 324066

Ion Ratio Lower Upper

99 100

42 15.6 14.8 22.2

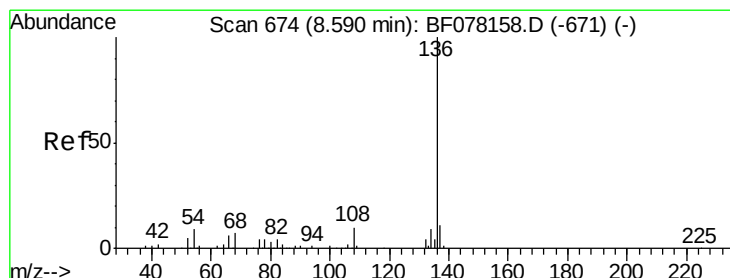
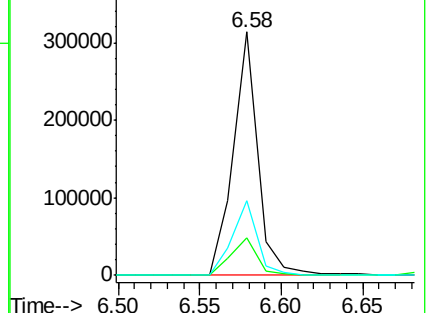
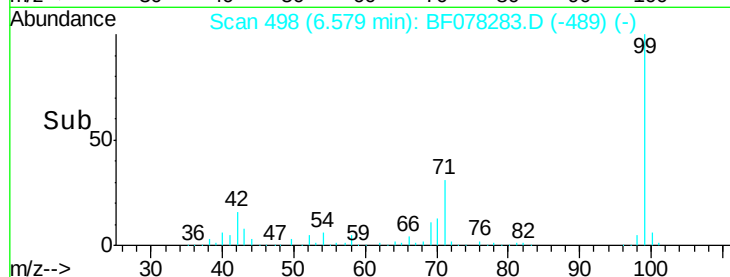
71 30.5 26.6 39.8



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: 8.56 min Scan# 671

Delta R.T. 0.00 min

Lab File: BF078283.D

Acq: 7 Apr 2015 5:07

Tgt Ion: 136 Resp: 175032

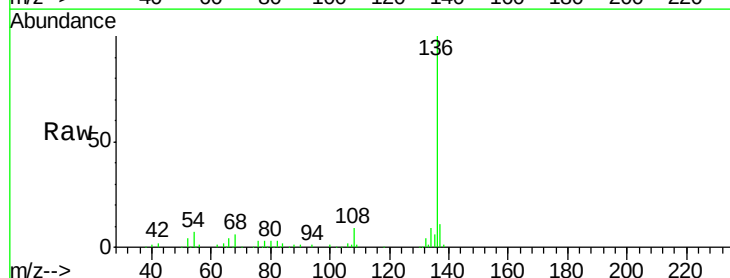
Ion Ratio Lower Upper

136 100

137 10.7 9.0 13.4

54 6.6 7.0 10.6#

68 5.6 5.4 8.2

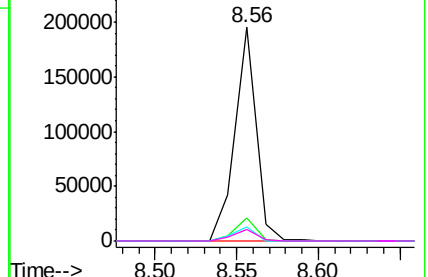
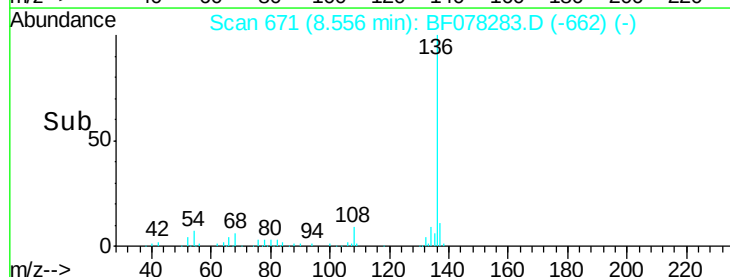


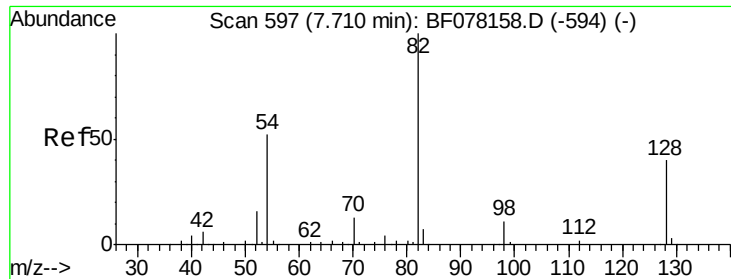
Abundance Ion 136.00 (135.70 to 136.70): E

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

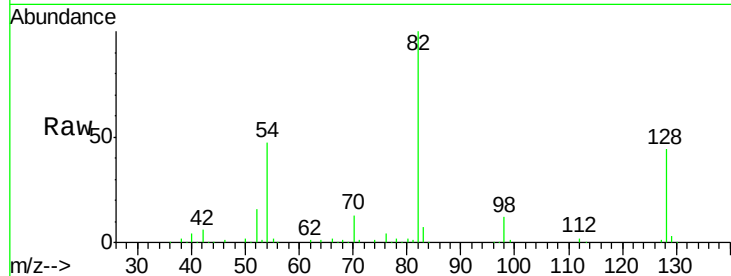




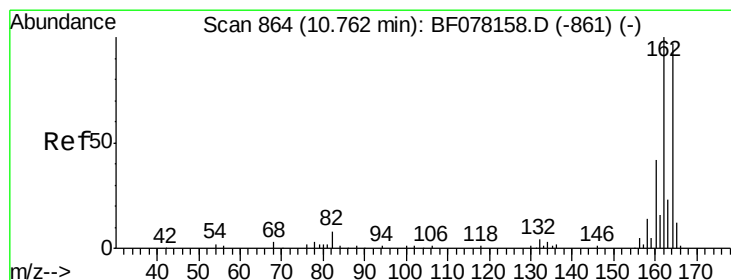
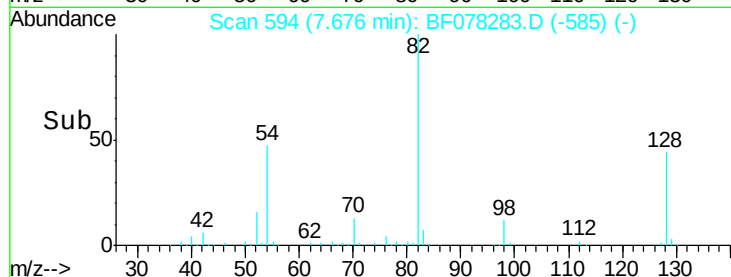
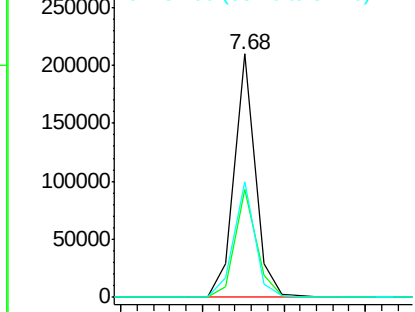
#23
 Nitrobenzene-d5
 Concen: 65.22 ng
 RT: 7.68 min Scan# 594
 Delta R.T. 0.00 min
 Lab File: BF078283.D
 Acq: 7 Apr 2015 5:07

Instrument :
 BNA_F
 ClientSampleId :
 SW-015

Tot Ion	82	Resp	188340
Ion Ratio	100	Lower	Upper
128	44.2	31.8	47.8
54	47.5	41.5	62.3

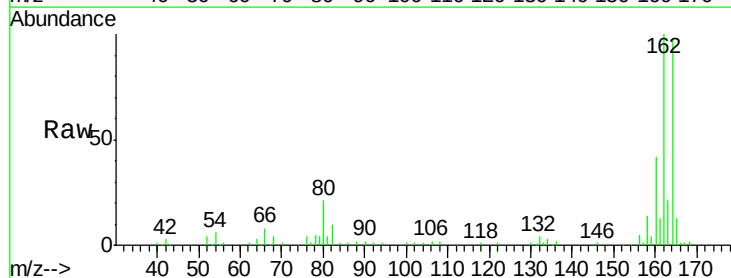


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

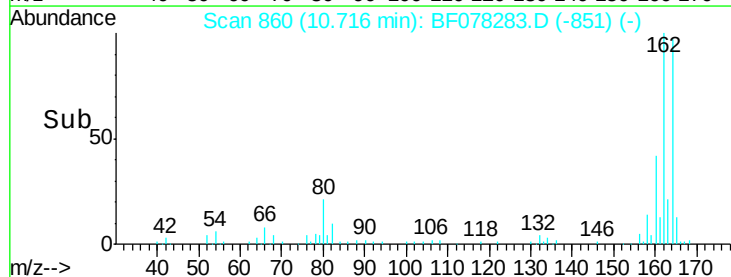
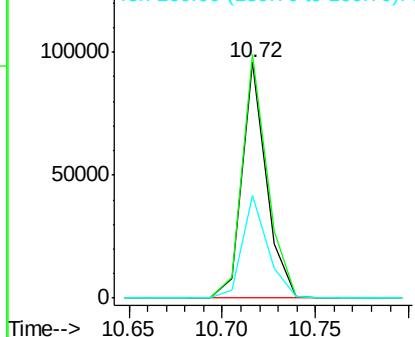


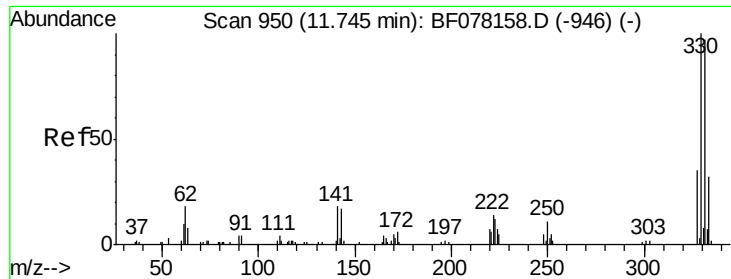
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.72 min Scan# 860
 Delta R.T. 0.00 min
 Lab File: BF078283.D
 Acq: 7 Apr 2015 5:07

Tgt Ion	164	Resp	86724
Ion Ratio	100	Lower	Upper
162	103.3	82.2	123.2
160	43.9	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

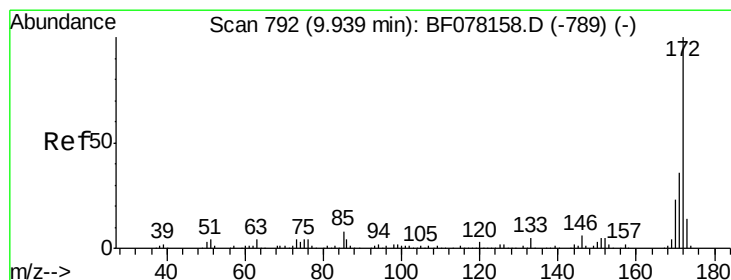
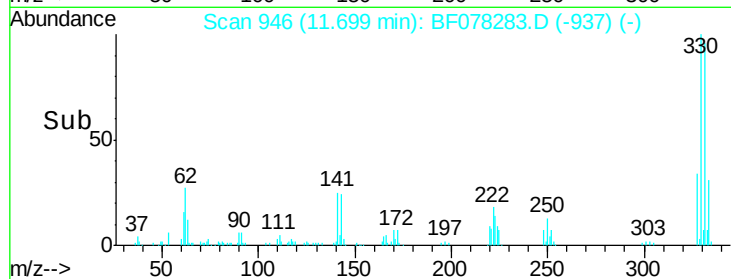
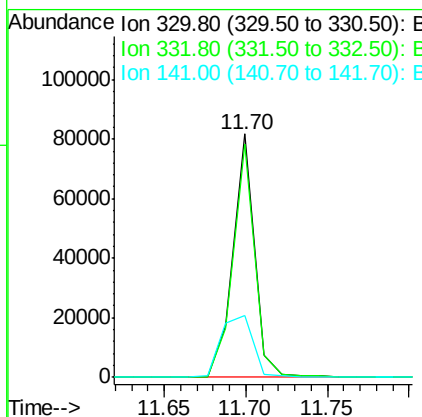
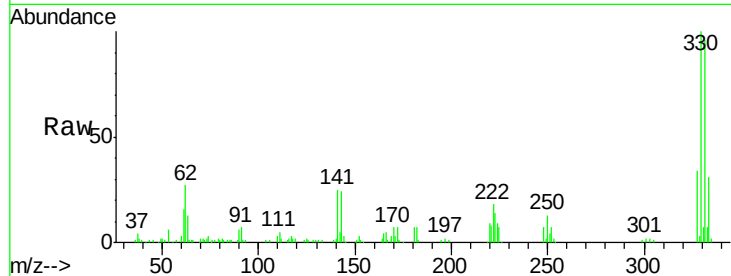




#41
 2,4,6-Tribromophenol
 Concen: 104.21 ng
 RT: 11.70 min Scan# 946
 Delta R.T. 0.00 min
 Lab File: BF078283.D
 Acq: 7 Apr 2015 5:07

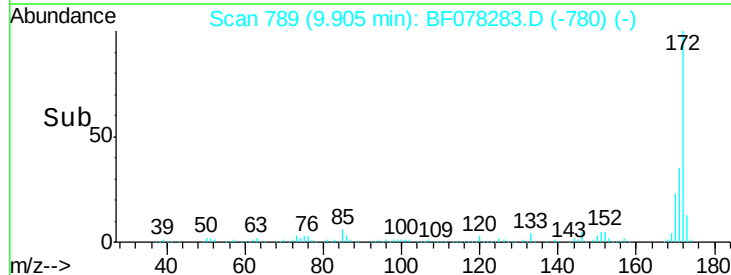
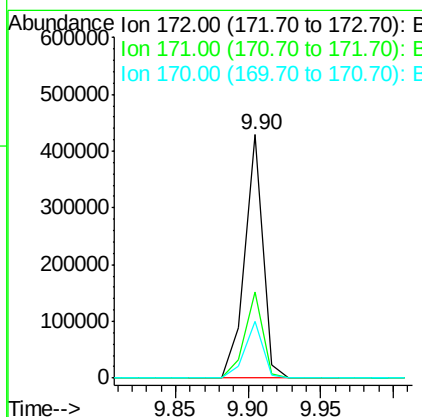
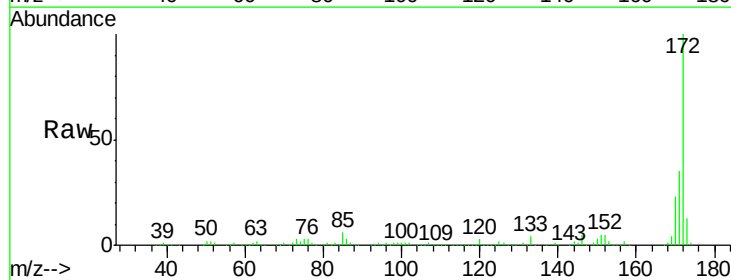
Instrument :
 BNA_F
 ClientSampleId :
 SW-015

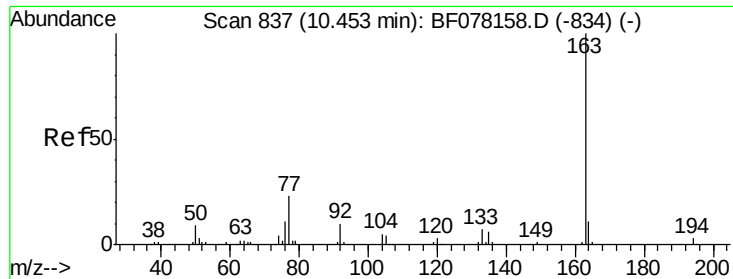
Tot Ion:330 Resp: 74956
 Ion Ratio Lower Upper
 330 100
 332 95.9 78.6 117.8
 141 37.7 31.2 46.8



#44
 2-Fluorobiphenyl
 Concen: 61.59 ng
 RT: 9.90 min Scan# 789
 Delta R.T. 0.00 min
 Lab File: BF078283.D
 Acq: 7 Apr 2015 5:07

Tgt Ion:172 Resp: 373699
 Ion Ratio Lower Upper
 172 100
 171 35.2 28.6 42.8
 170 23.1 18.5 27.7





#49

Dimethylphthalate

Concen: 6.93 ng

RT: 10.42 min Scan# 834

Delta R.T. 0.00 min

Lab File: BF078283.D

Acq: 7 Apr 2015 5:07

Instrument :

BNA_F

ClientSampleId :

SW-015

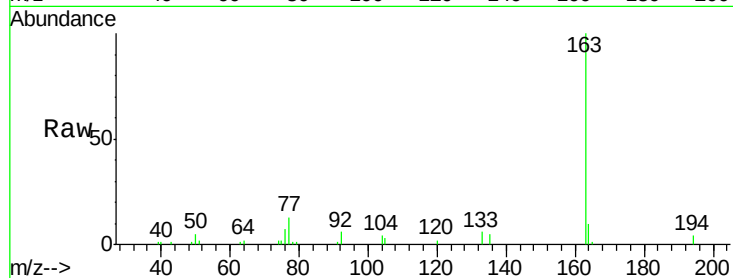
Tot Ion:163 Resp: 45121

Ion Ratio Lower Upper

163 100

194 4.3 2.3 3.5#

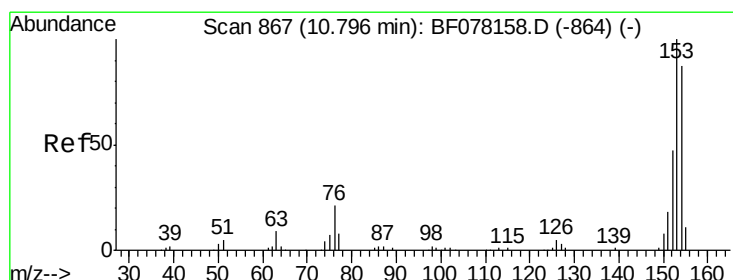
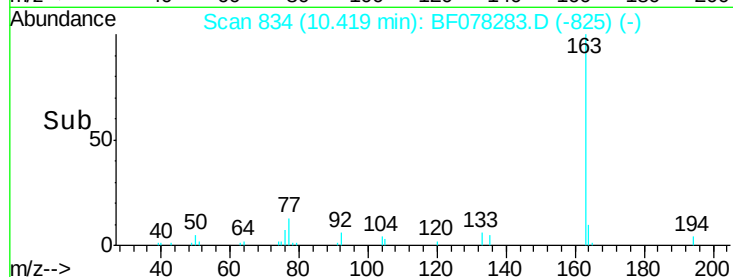
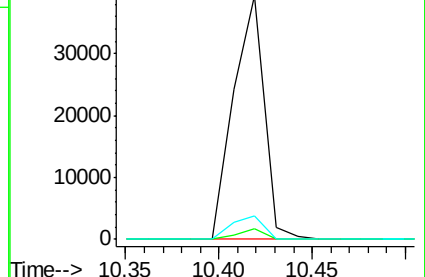
164 9.7 8.6 13.0



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



#51

Acenaphthene

Concen: 5.64 ng

RT: 10.76 min Scan# 864

Delta R.T. 0.00 min

Lab File: BF078283.D

Acq: 7 Apr 2015 5:07

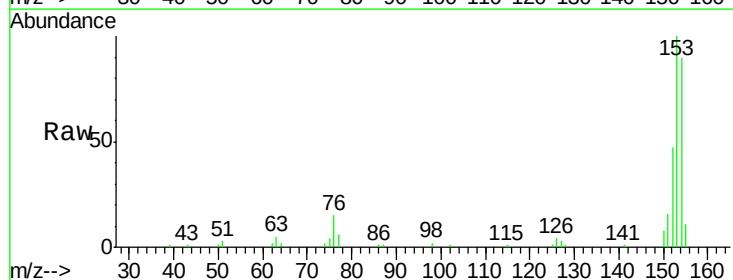
Tgt Ion:154 Resp: 28602

Ion Ratio Lower Upper

154 100

153 111.0 91.4 137.2

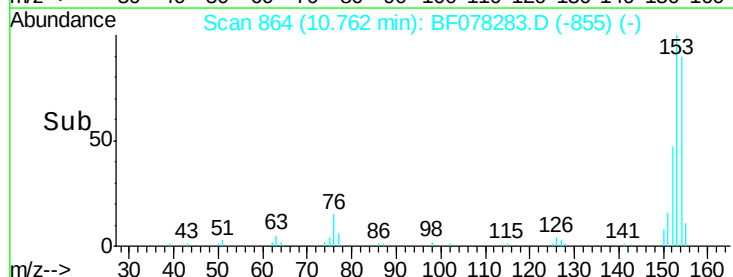
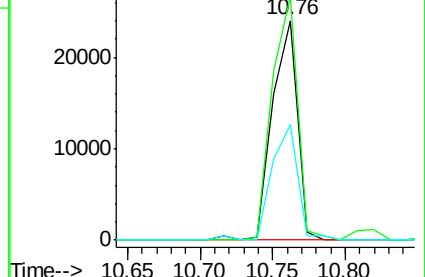
152 52.7 43.0 64.6

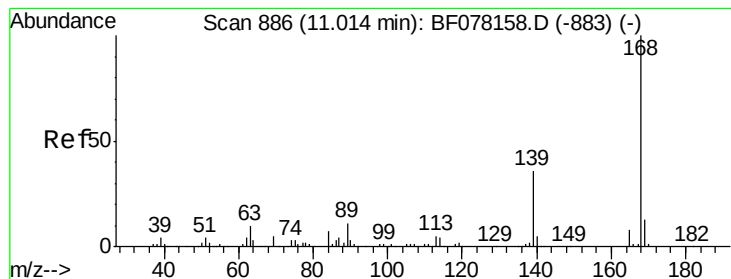


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#54

Dibenzenofuran

Concen: 2.11 ng

RT: 10.98 min Scan# 883

Delta R.T. 0.01 min

Lab File: BF078283.D

Acq: 7 Apr 2015 5:07

Instrument :

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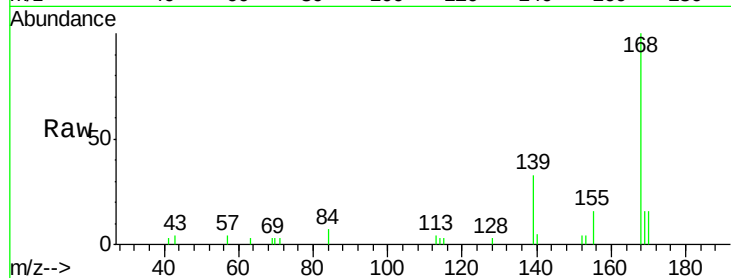
Tot Ion:168 Resp: 16322

Ion Ratio Lower Upper

168 100

139 32.9 31.0 46.4

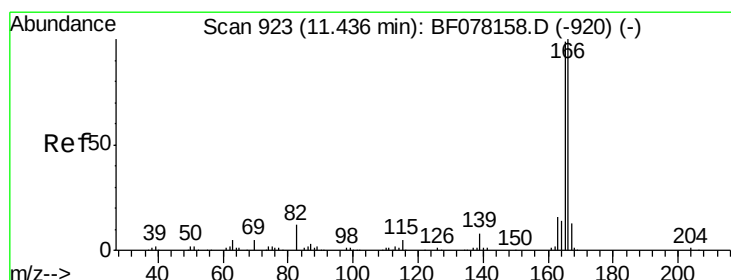
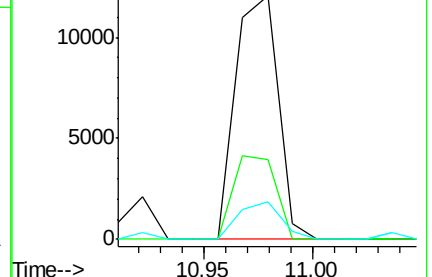
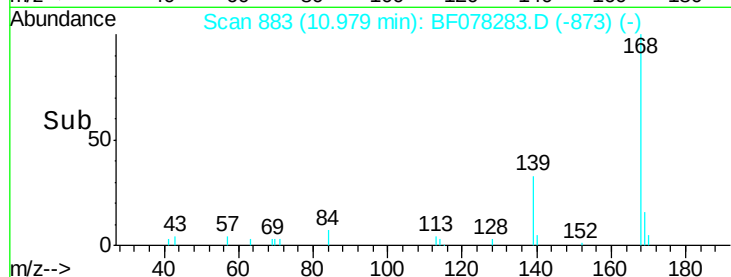
169 15.6 10.7 16.1



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: 4.53 ng

RT: 11.39 min Scan# 919

Delta R.T. 0.00 min

Lab File: BF078283.D

Acq: 7 Apr 2015 5:07

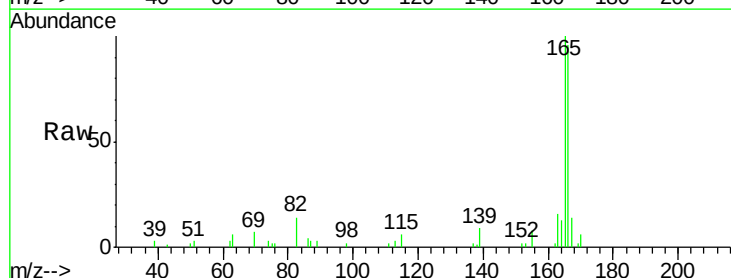
Tgt Ion:166 Resp: 28442

Ion Ratio Lower Upper

166 100

165 103.8 78.9 118.3

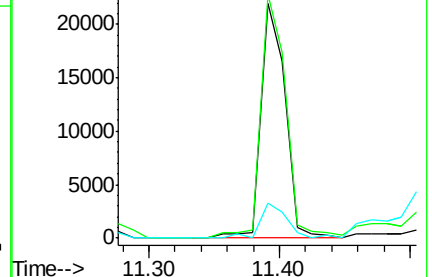
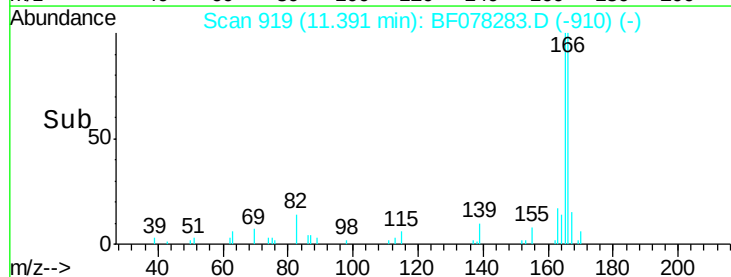
167 15.0 10.7 16.1

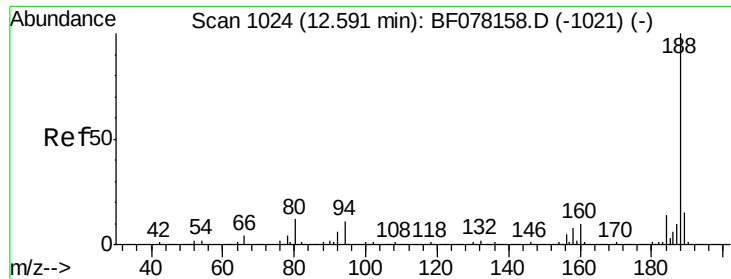


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

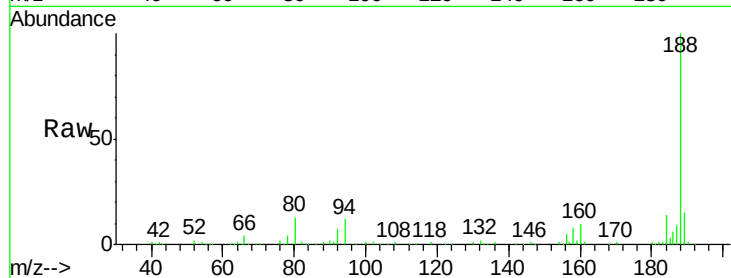




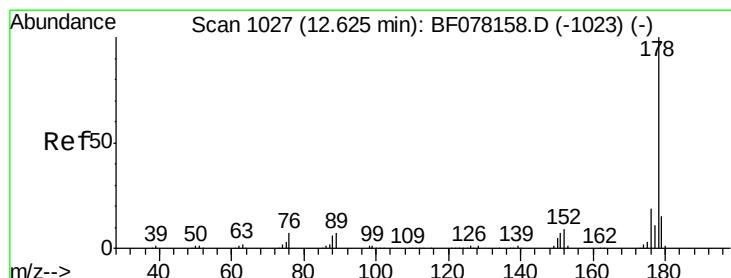
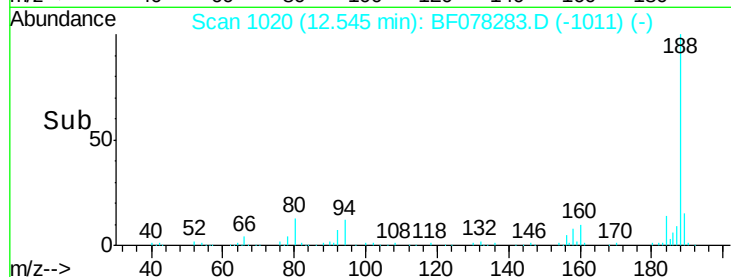
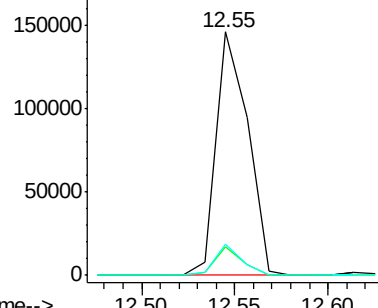
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.55 min Scan# 1020
Delta R.T. 0.00 min
Lab File: BF078283.D
Acq: 7 Apr 2015 5:07

Instrument :
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Tot Ion	188	Resp	172564
Ion Ratio	100		
Lower	9.0		
Upper	13.4		
94	11.8		
80	12.7		

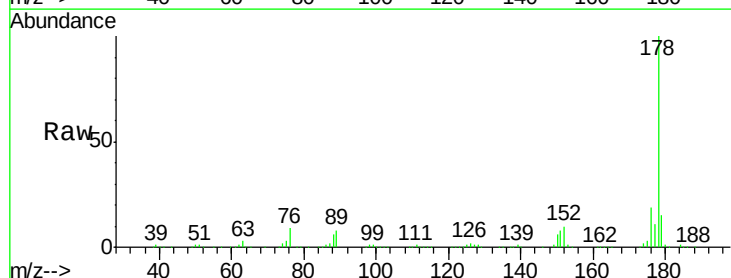


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

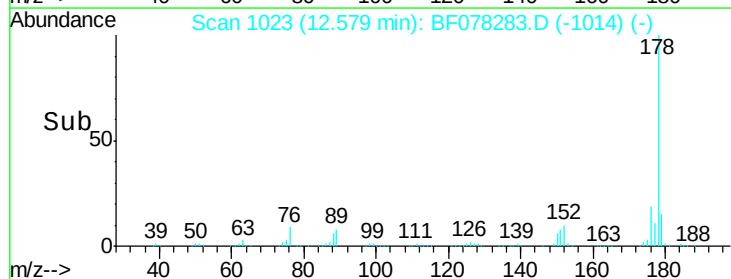
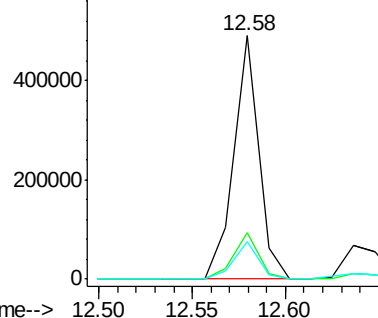


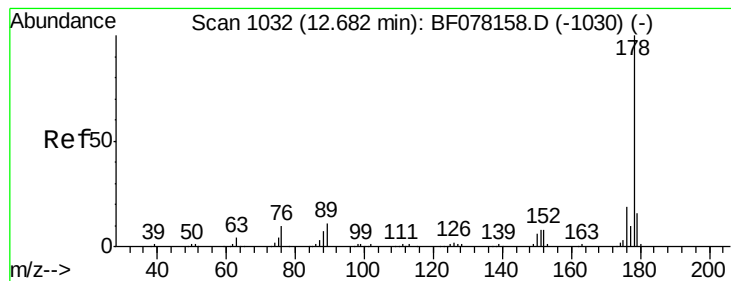
#70
Phenanthrene
Concen: 45.64 ng
RT: 12.58 min Scan# 1023
Delta R.T. 0.00 min
Lab File: BF078283.D
Acq: 7 Apr 2015 5:07

Tgt Ion	178	Resp	455609
Ion Ratio	100		
Lower	15.4		
Upper	23.0		
176	19.2		
179	15.2		



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: 8.64 ng

RT: 12.64 min Scan# 1028

Delta R.T. 0.00 min

Lab File: BF078283.D

Acq: 7 Apr 2015 5:07

Instrument :

BNA_F

ClientSampleId :

SW-015

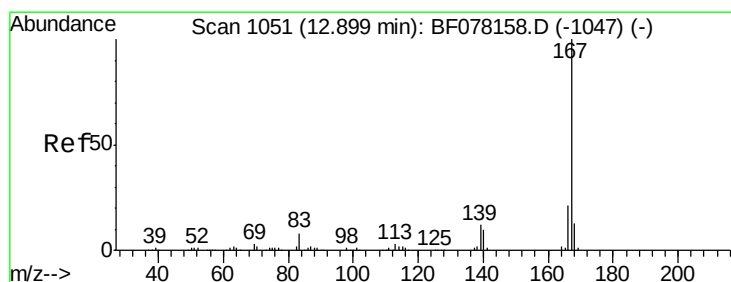
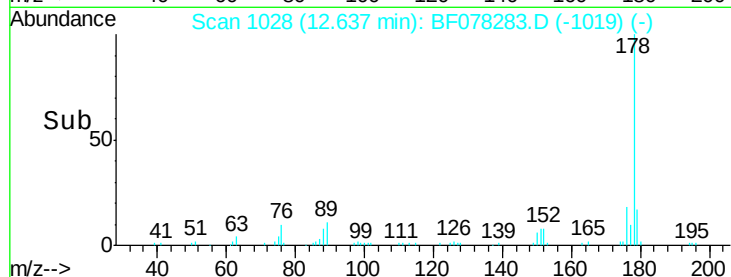
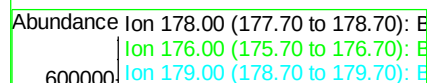
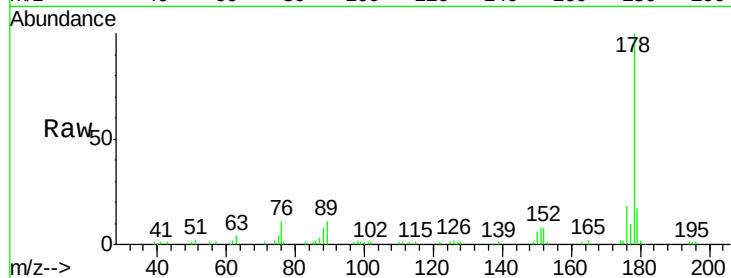
Tot Ion:178 Resp: 84995

Ion Ratio Lower Upper

178 100

176 17.8 14.8 22.2

179 17.3 12.4 18.6



#72

Carbazole

Concen: 2.70 ng

RT: 12.85 min Scan# 1047

Delta R.T. 0.00 min

Lab File: BF078283.D

Acq: 7 Apr 2015 5:07

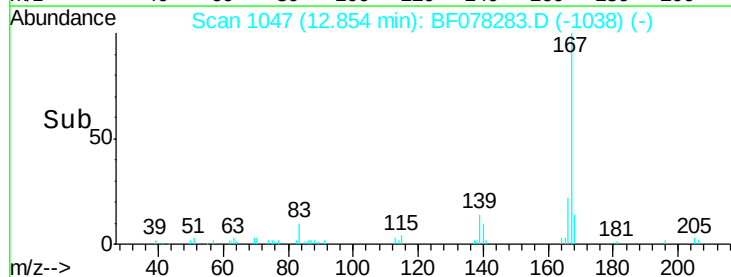
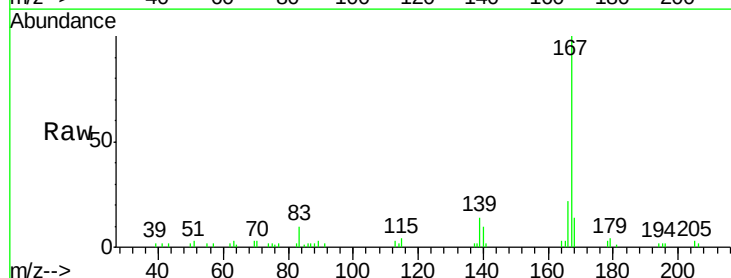
Tgt Ion:167 Resp: 24887

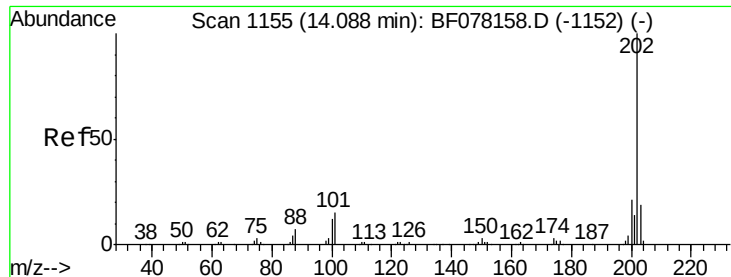
Ion Ratio Lower Upper

167 100

166 22.1 16.8 25.2

139 14.3 10.0 15.0





#74

Fluoranthene

Concen: 39.47 ng

RT: 14.04 min Scan# 1151

Delta R.T. 0.00 min

Lab File: BF078283.D

Acq: 7 Apr 2015 5:07

Instrument :

BNA_F

ClientSampleId :

SW-015

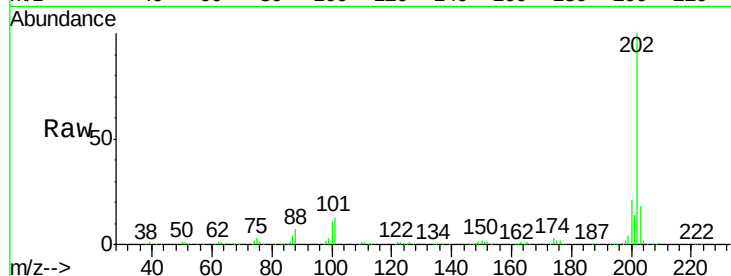
Tot Ion:202 Resp: 415521

Ion Ratio Lower Upper

202 100

101 13.4 0.0 35.2

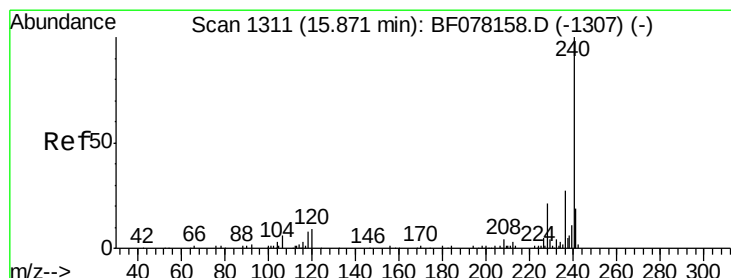
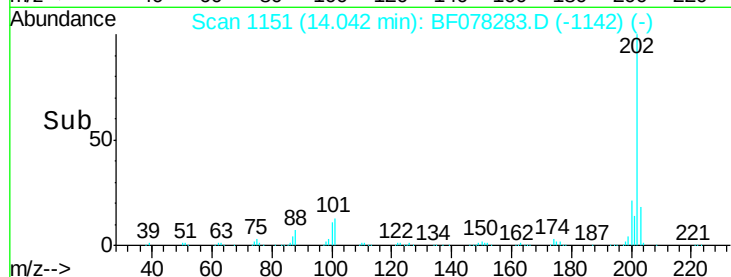
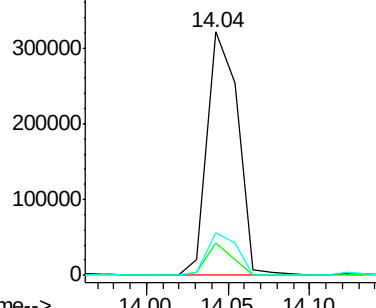
203 17.8 0.0 38.5



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: 15.81 min Scan# 1306

Delta R.T. 0.00 min

Lab File: BF078283.D

Acq: 7 Apr 2015 5:07

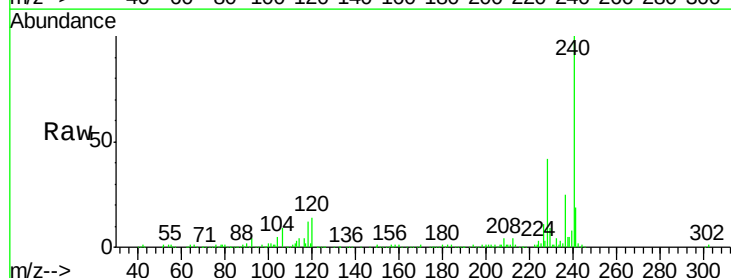
Tgt Ion:240 Resp: 183828

Ion Ratio Lower Upper

240 100

120 13.8 7.1 10.7#

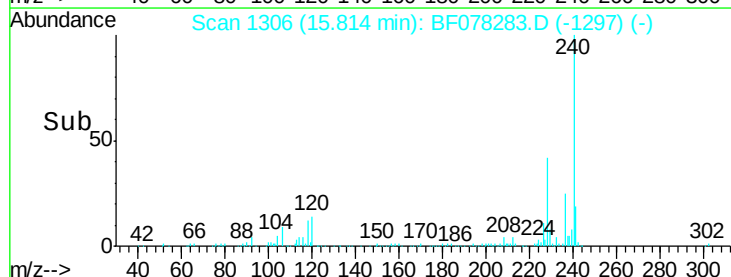
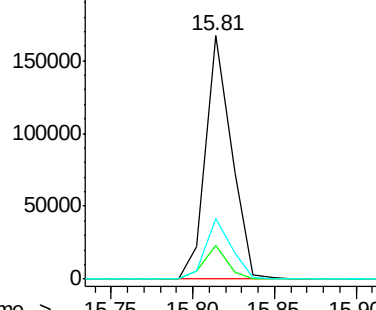
236 24.8 21.4 32.2

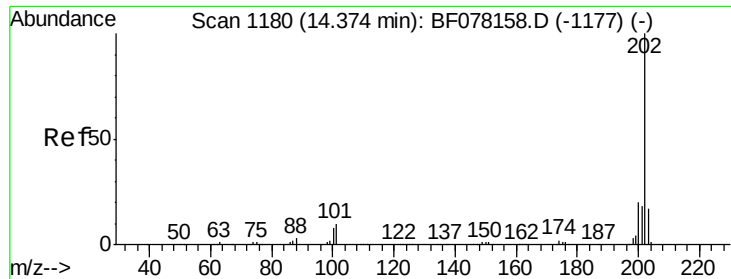


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 37.76 ng

RT: 14.33 min Scan# 1176

Delta R.T. 0.01 min

Lab File: BF078283.D

Acq: 7 Apr 2015 5:07

Instrument :

BNA_F

ClientSampleId :

SW-015

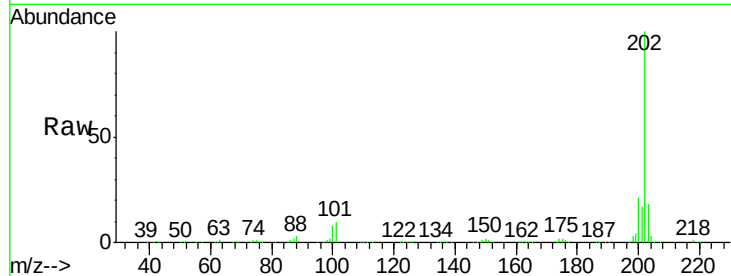
Tot Ion:202 Resp: 435773

Ion Ratio Lower Upper

202 100

200 20.9 16.3 24.5

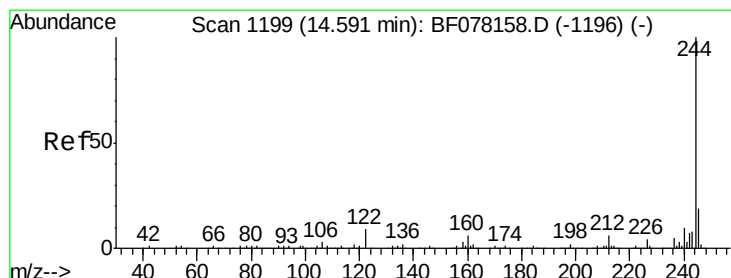
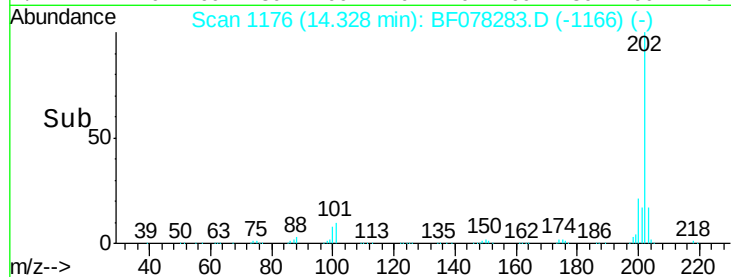
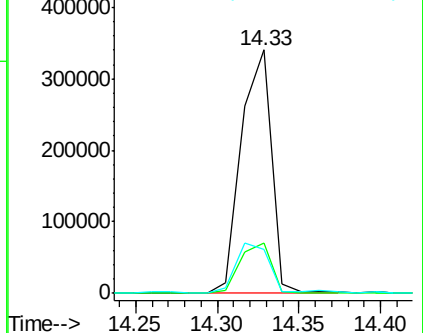
203 17.9 13.8 20.6



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: 48.70 ng

RT: 14.55 min Scan# 1195

Delta R.T. 0.00 min

Lab File: BF078283.D

Acq: 7 Apr 2015 5:07

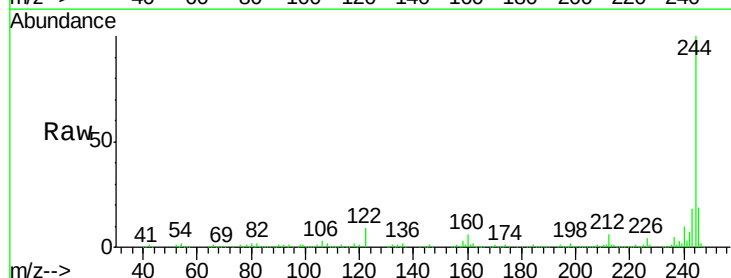
Tgt Ion:244 Resp: 396149

Ion Ratio Lower Upper

244 100

212 6.4 5.0 7.4

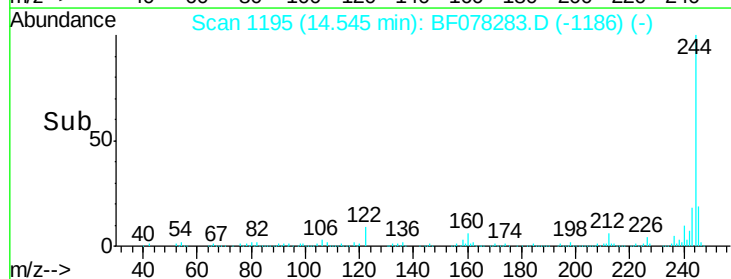
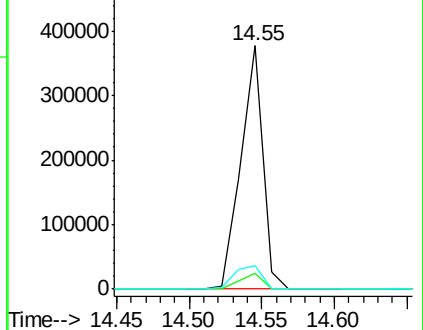
122 9.4 7.1 10.7

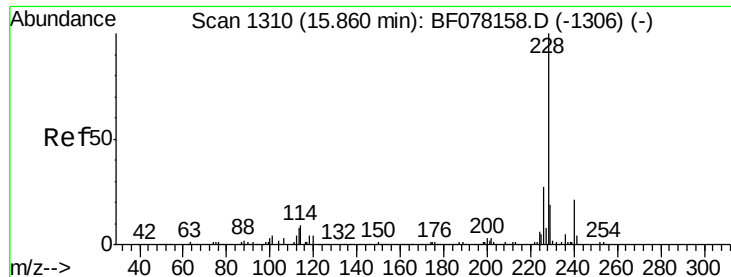


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 18.14 ng

RT: 15.80 min Scan# 1305

Delta R.T. 0.00 min

Lab File: BF078283.D

Acq: 7 Apr 2015 5:07

Instrument :

BNA_F

ClientSampleId :

SW-015

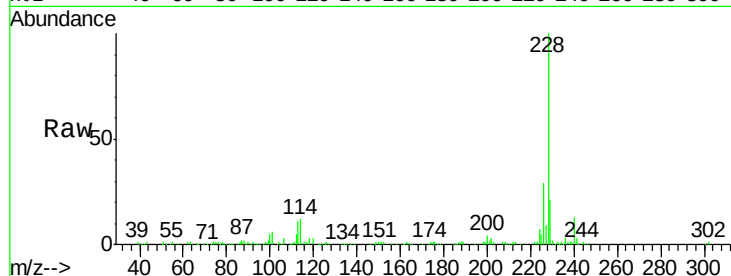
Tot Ion:228 Resp: 198436

Ion Ratio Lower Upper

228 100

226 29.1 21.3 31.9

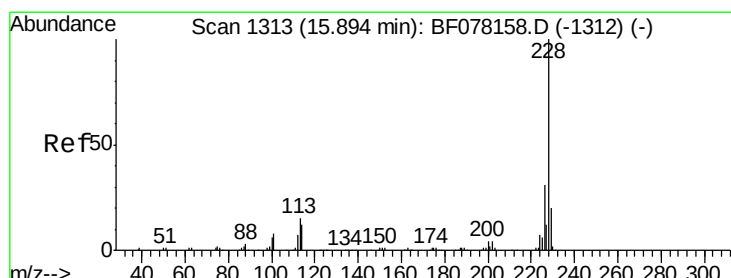
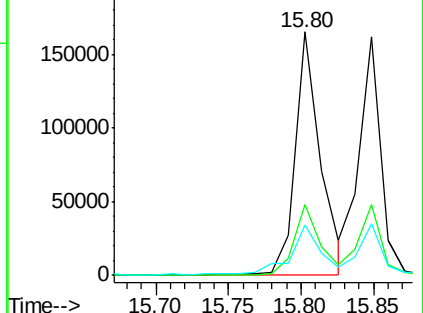
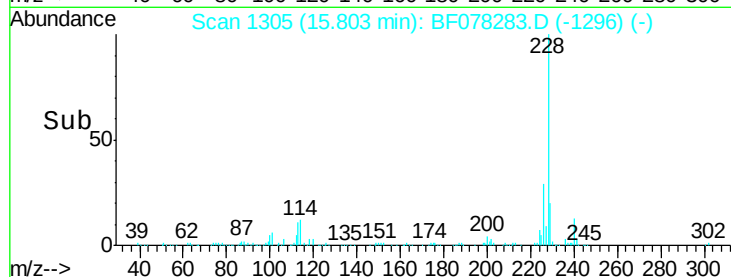
229 20.7 15.4 23.2



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: 16.13 ng

RT: 15.85 min Scan# 1309

Delta R.T. 0.00 min

Lab File: BF078283.D

Acq: 7 Apr 2015 5:07

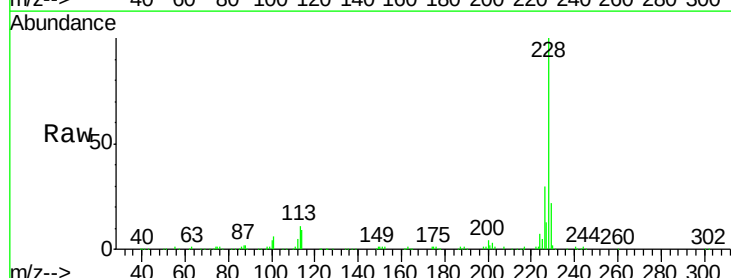
Tgt Ion:228 Resp: 165707

Ion Ratio Lower Upper

228 100

226 29.8 24.2 36.4

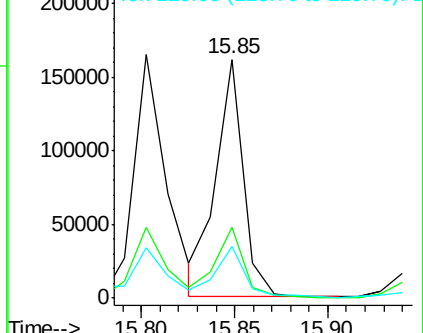
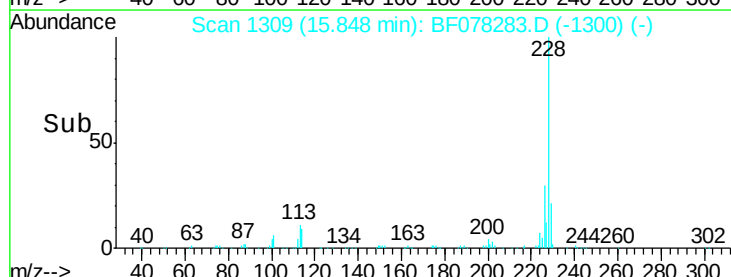
229 21.5 15.8 23.8

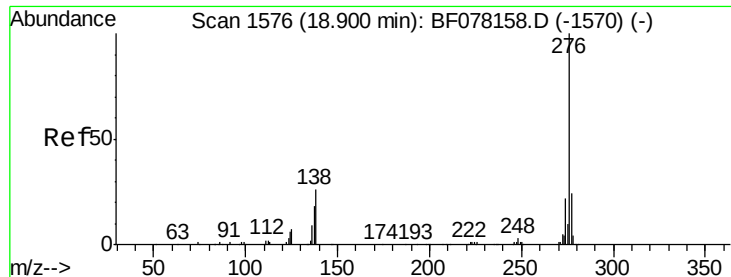


Abundance Ion 228.00 (227.70 to 228.70): E

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: 7.07 ng

RT: 18.76 min Scan# 1564

Delta R.T. 0.01 min

Lab File: BF078283.D

Acq: 7 Apr 2015 5:07

Instrument :

BNA_F

ClientSampleId :

SW-015

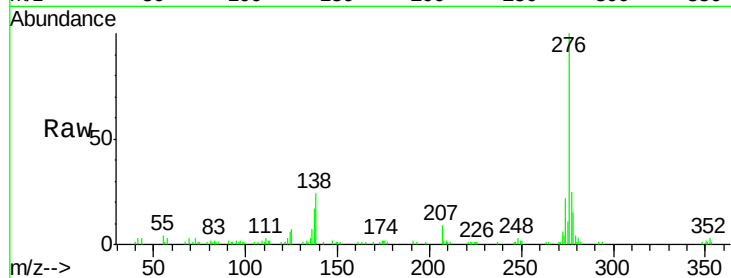
Tot Ion:276 Resp: 82466

Ion Ratio Lower Upper

276 100

138 25.5 16.9 25.3#

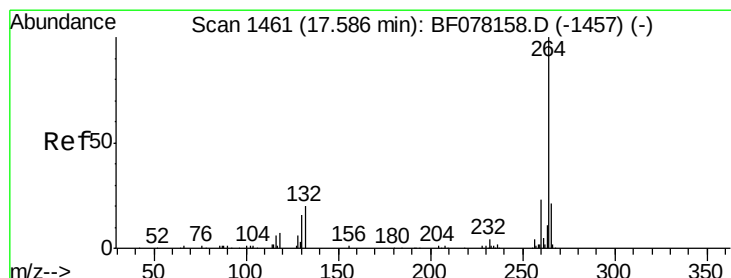
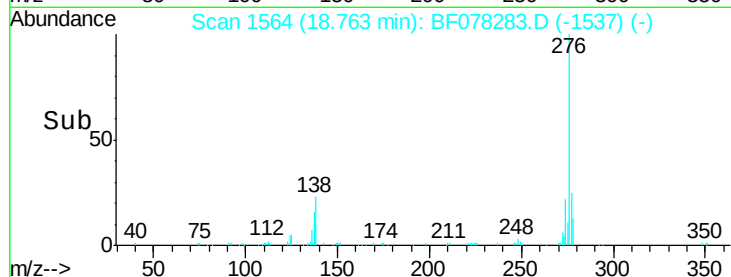
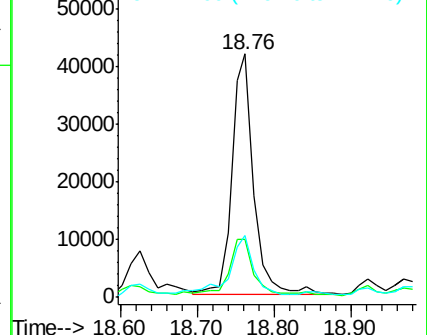
277 27.3 15.8 23.6#



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: 17.48 min Scan# 1452

Delta R.T. 0.01 min

Lab File: BF078283.D

Acq: 7 Apr 2015 5:07

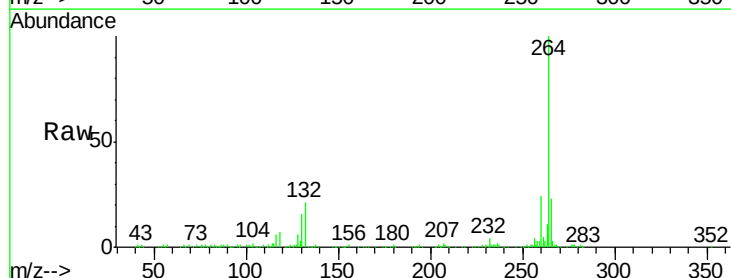
Tgt Ion:264 Resp: 185183

Ion Ratio Lower Upper

264 100

260 24.1 18.6 27.8

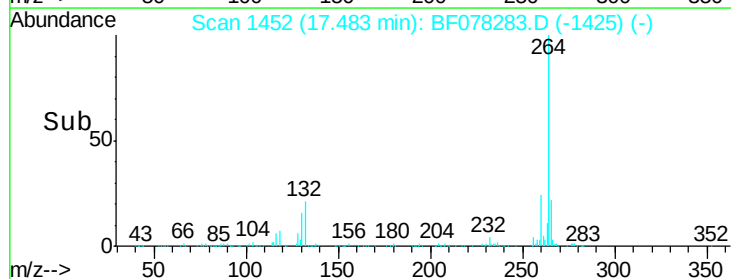
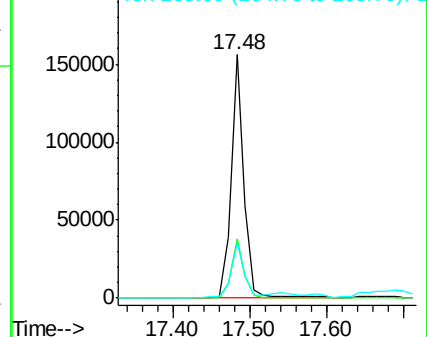
265 22.5 17.0 25.6

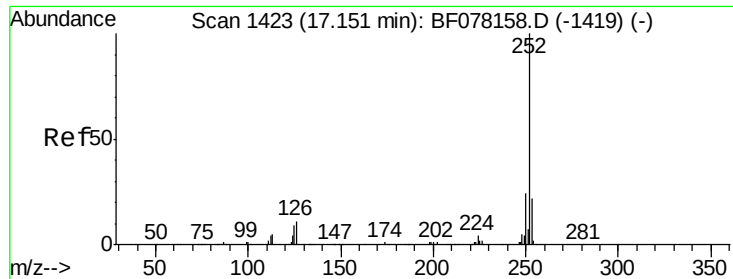


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

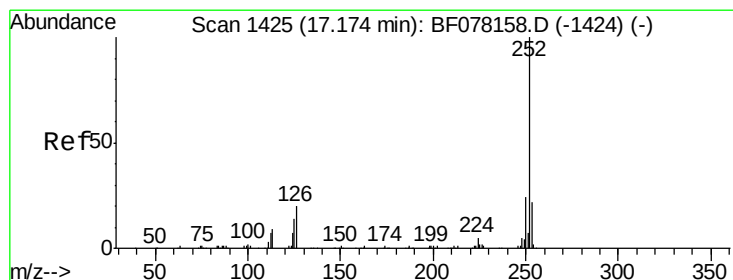
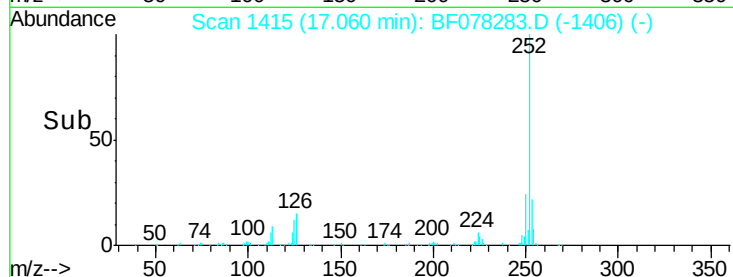
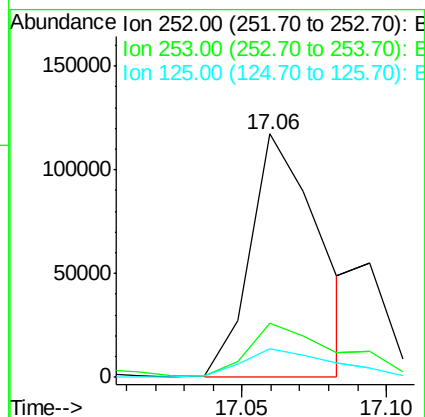
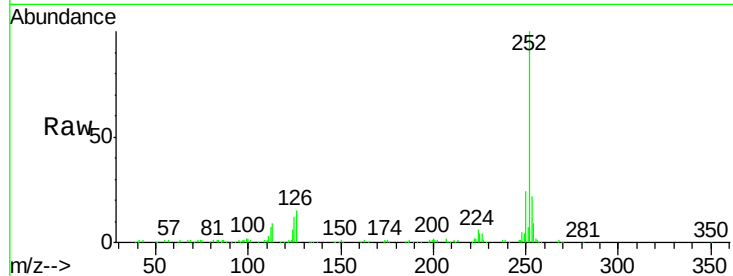




#87
Benzo(b)fluoranthene
Concen: 17.00 ng m
RT: 17.06 min Scan# 1415
Delta R.T. 0.00 min
Lab File: BF078283.D
Acq: 7 Apr 2015 5:07

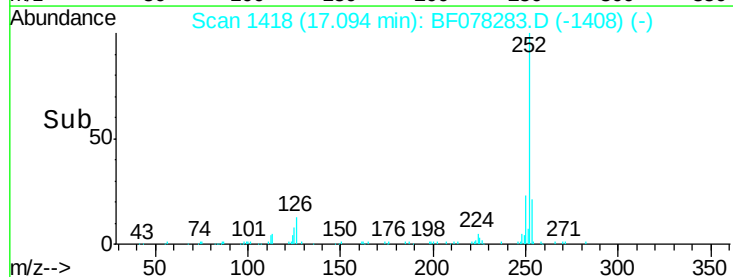
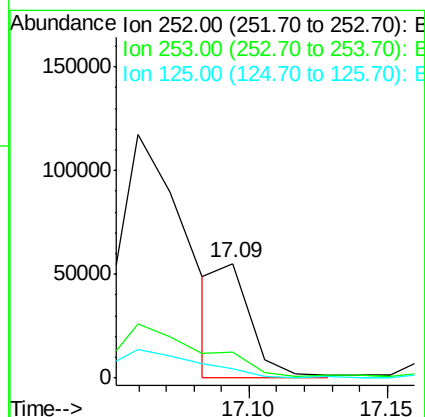
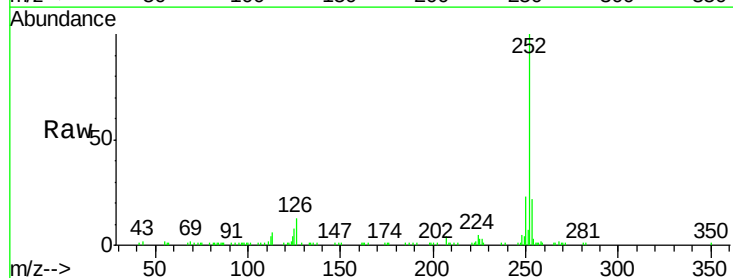
Instrument :
BNA_F
ClientSampleId :
SW-015

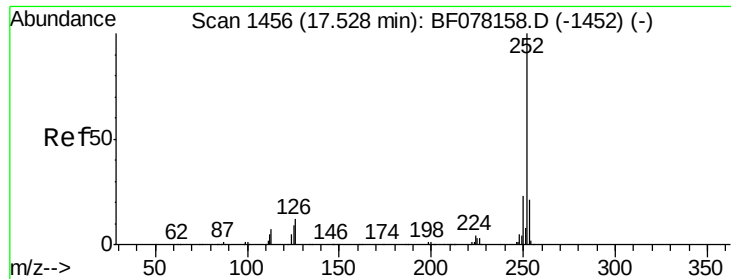
Tot Ion:252 Resp: 194583
Ion Ratio Lower Upper
252 100
253 22.2 17.2 25.8
125 11.8 7.0 10.4#



#88
Benzo(k)fluoranthene
Concen: 4.56 ng m
RT: 17.09 min Scan# 1418
Delta R.T. 0.01 min
Lab File: BF078283.D
Acq: 7 Apr 2015 5:07

Tgt Ion:252 Resp: 46405
Ion Ratio Lower Upper
252 100
253 22.2 17.5 26.3
125 8.2 11.6 17.4#





#89

Benzo(a)pyrene

Concen: 14.01 ng

RT: 17.43 min Scan# 1447

Delta R.T. 0.01 min

Lab File: BF078283.D

Acq: 7 Apr 2015 5:07

Instrument :

BNA_F

ClientSampleId :

SW-015

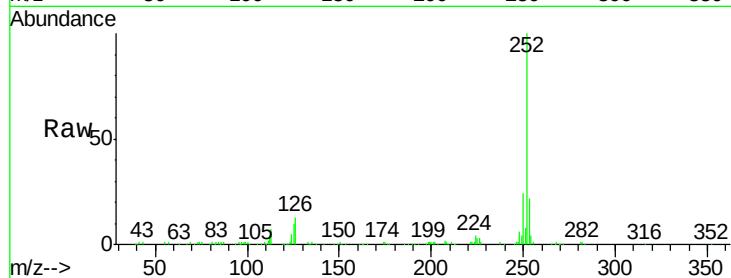
Tot Ion:252 Resp: 139934

Ion Ratio Lower Upper

252 100

253 22.2 16.8 25.2

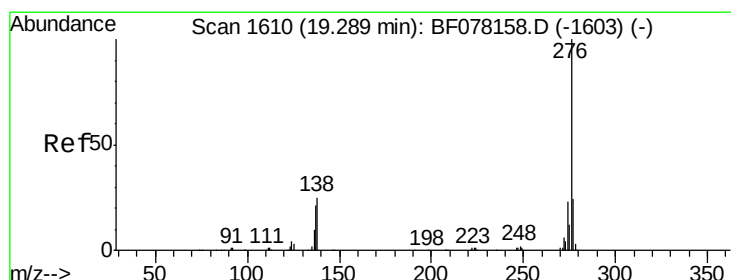
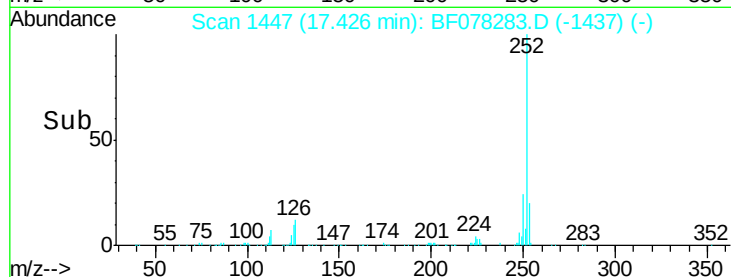
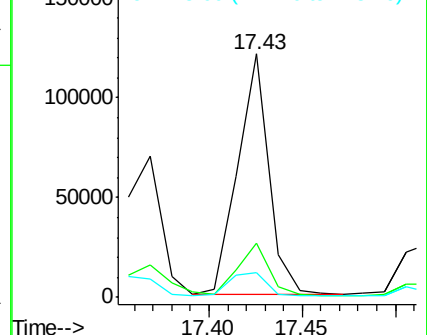
125 10.4 7.4 11.0



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: 7.93 ng

RT: 19.13 min Scan# 1596

Delta R.T. 0.00 min

Lab File: BF078283.D

Acq: 7 Apr 2015 5:07

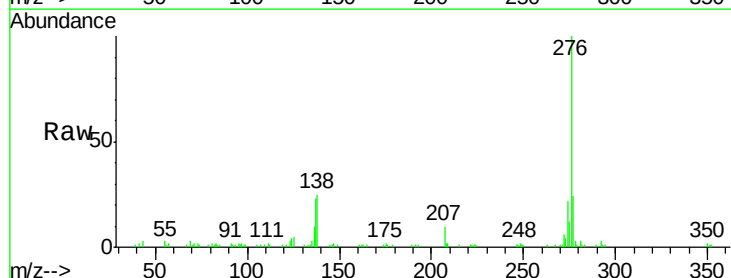
Tgt Ion:276 Resp: 79542

Ion Ratio Lower Upper

276 100

277 24.0 19.0 28.4

138 25.2 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

