

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF040715\
 Data File : BF078329.D
 Acq On : 8 Apr 2015 8:27
 Operator : TP/IZ
 Sample : G1745-05DL 10X
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-2DDL

Quant Time: Apr 08 08:04:18 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 08 03:14:41 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.93	152	37175	20.00	ng	0.00
21) Naphthalene-d8	8.51	136	156943	20.00	ng	0.00
38) Acenaphthene-d10	10.67	164	77536	20.00	ng	0.00
63) Phenanthrene-d10	12.50	188	153315	20.00	ng	0.00
75) Chrysene-d12	15.77	240	163616	20.00	ng	0.00
86) Perylene-d12	17.47	264	160599	20.00	ng	0.05

System Monitoring Compounds						
5) 2-Fluorophenol	5.21	112	18917	8.39	ng	0.01
7) Phenol-d6	6.53	99	23437	8.29	ng	0.01
23) Nitrobenzene-d5	7.63	82	14133	5.46	ng	0.00
41) 2,4,6-Tribromophenol	11.65	330	4814	7.49	ng	0.00
44) 2-Fluorobiphenyl	9.86	172	28866	5.32	ng	0.00
78) Terphenyl-d14	14.49	244	32764	4.52	ng	-0.01

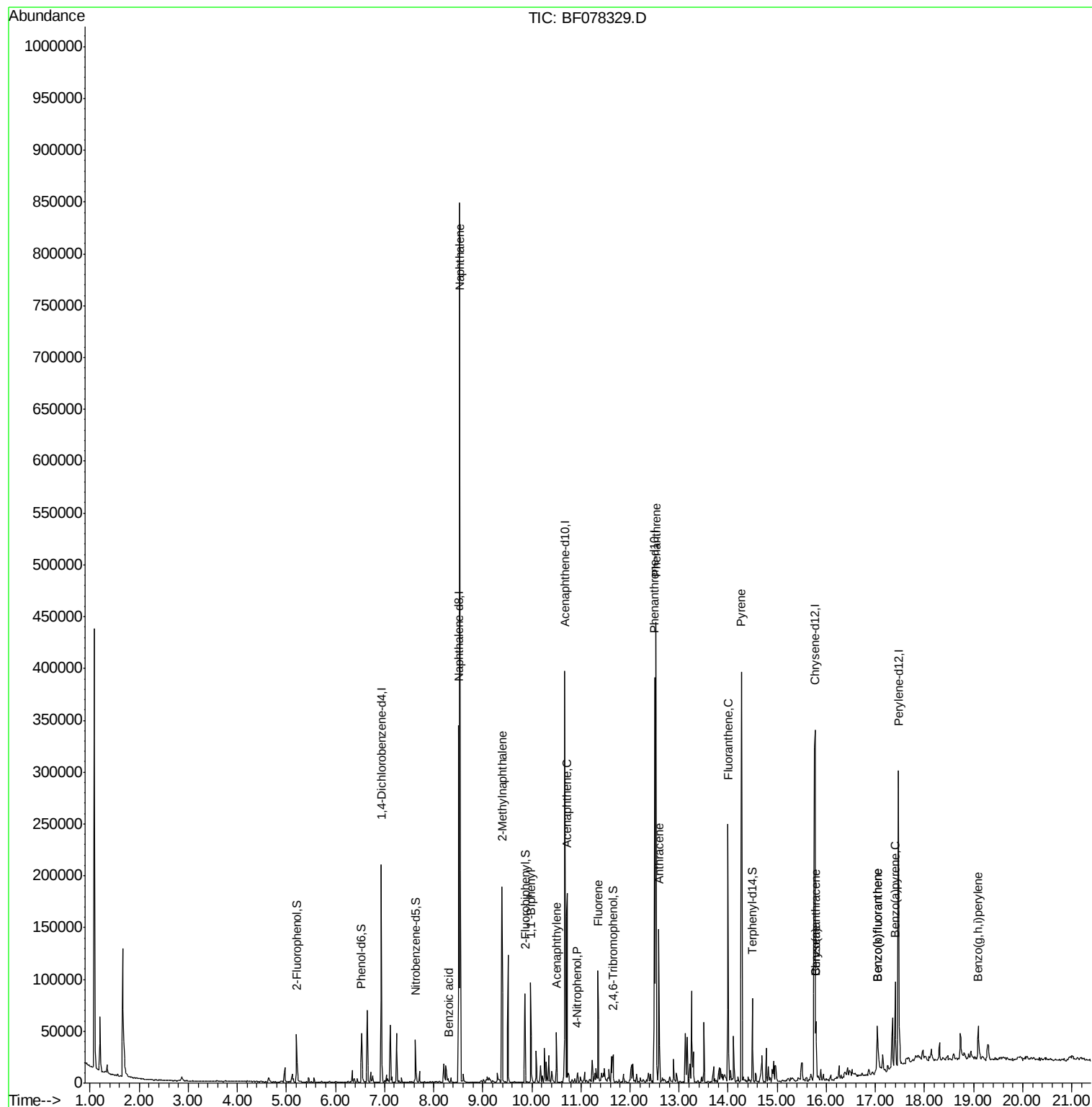
Target Compounds				Qvalue		
31) Naphthalene	8.53	128	387135	47.39	ng	99
32) Benzoic acid	8.32	122	223	5.97	ng	# 1
37) 2-Methylnaphthalene	9.39	142	61666	11.12	ng	97
45) 1,1'-Biphenyl	9.97	154	37224	5.87	ng	97
48) Acenaphthylene	10.50	152	20607	2.56	ng	# 96
51) Acenaphthene	10.72	154	60176	13.26	ng	99
55) 4-Nitrophenol	10.92	139	1744	4.44	ng	# 18
57) Fluorene	11.35	166	42739	7.61	ng	100
70) Phenanthrene	12.53	178	245070	27.63	ng	100
71) Anthracene	12.59	178	63882	7.31	ng	100
74) Fluoranthene	14.00	202	111912	11.97	ng	92
77) Pyrene	14.27	202	171653	16.71	ng	99
80) Benzo(a)anthracene	15.79	228	25489	2.62	ng	96
82) Chrysene	15.79	228	28753	3.14	ng	98
87) Benzo(b)fluoranthene	17.04	252	39412	3.97	ng	# 96
88) Benzo(k)fluoranthene	17.04	252	39410	4.47	ng	98
89) Benzo(a)pyrene	17.40	252	37503	4.33	ng	# 98
91) Benzo(g,h,i)perylene	19.09	276	22962	2.64	ng	96

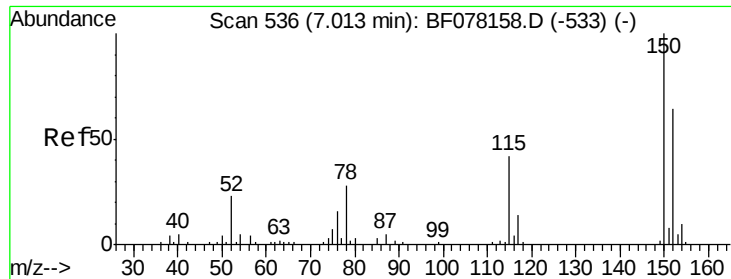
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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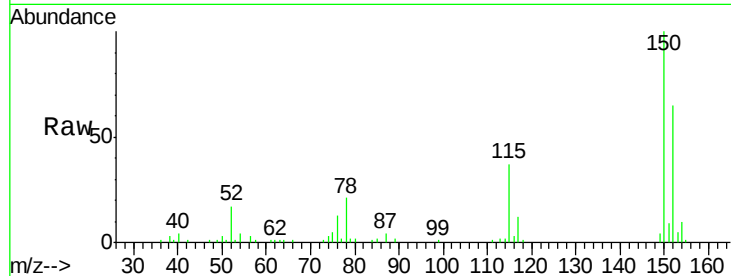




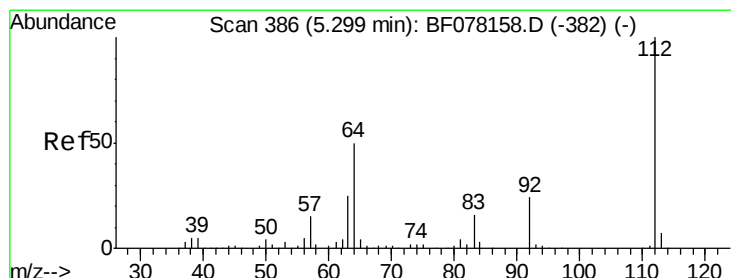
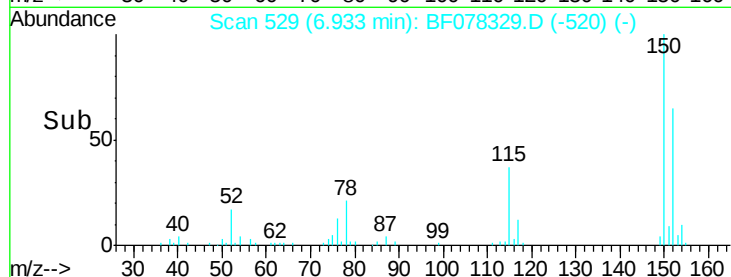
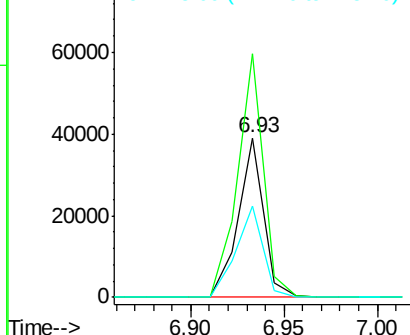
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.93 min Scan# 529
 Delta R.T. 0.00 min
 Lab File: BF078329.D
 Acq: 8 Apr 2015 8:27

Instrument :
 BNA_F
 ClientSampleId :
 SB-2DDL

Tgt Ion:152 Resp: 37175
 Ion Ratio Lower Upper
 152 100
 150 152.8 125.9 188.9
 115 57.0 52.7 79.1

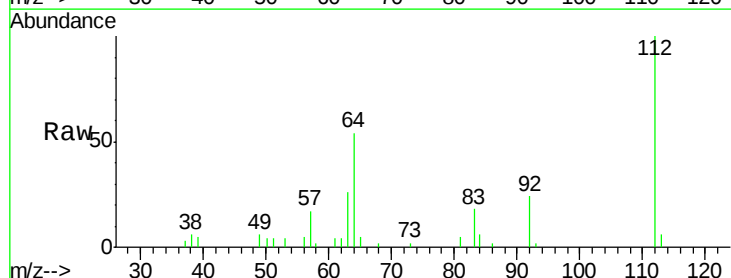


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

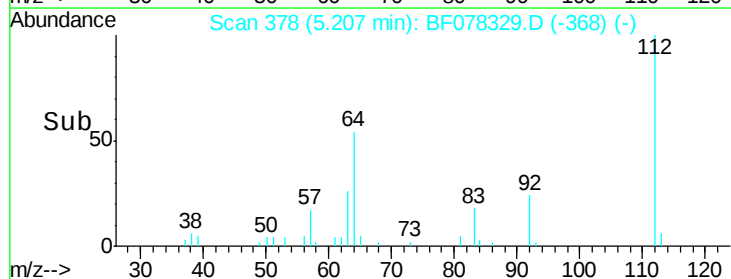
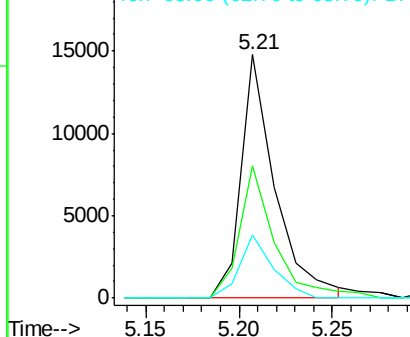


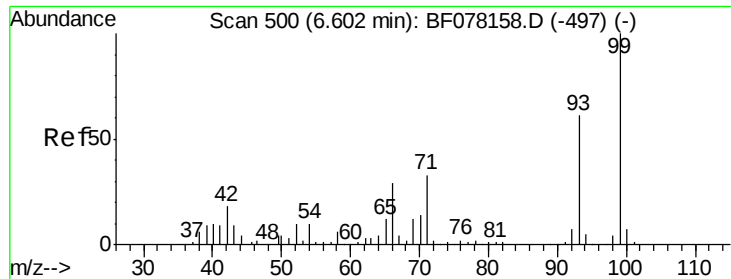
#5
 2-Fluorophenol
 Concen: 8.39 ng
 RT: 5.21 min Scan# 378
 Delta R.T. 0.01 min
 Lab File: BF078329.D
 Acq: 8 Apr 2015 8:27

Tgt Ion:112 Resp: 18917
 Ion Ratio Lower Upper
 112 100
 64 54.4 39.9 59.9
 63 25.8 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: 8.29 ng

RT: 6.53 min Scan# 494

Delta R.T. 0.01 min

Lab File: BF078329.D

Acq: 8 Apr 2015 8:27

Instrument :

BNA_F

ClientSampleId :

SB-2DDL

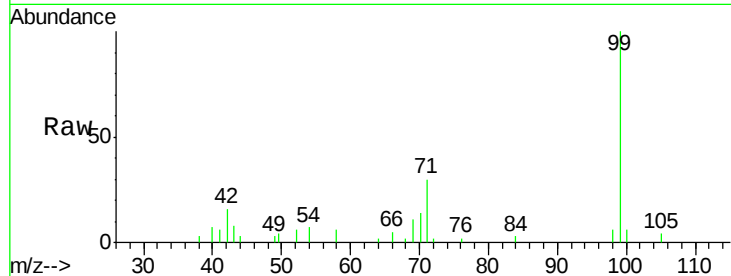
Tgt Ion: 99 Resp: 23437

Ion Ratio Lower Upper

99 100

42 15.5 14.8 22.2

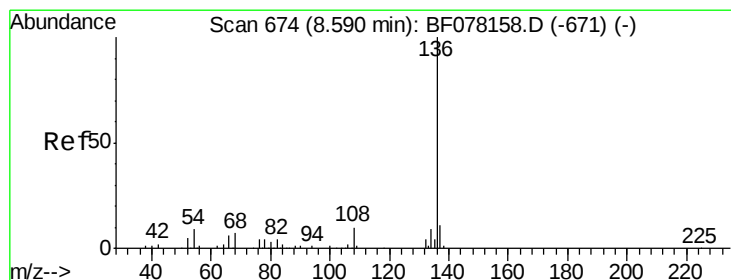
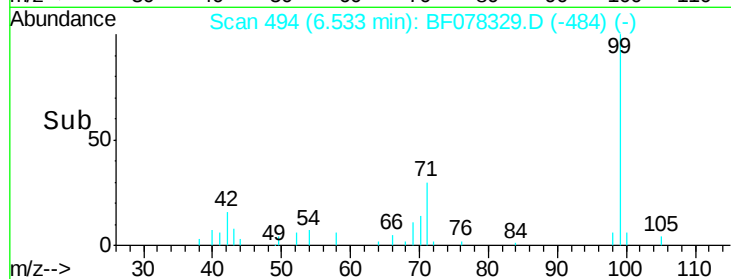
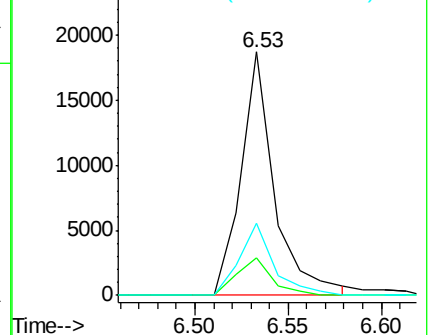
71 29.8 26.6 39.8



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: 8.51 min Scan# 667

Delta R.T. 0.00 min

Lab File: BF078329.D

Acq: 8 Apr 2015 8:27

Tgt Ion: 136 Resp: 156943

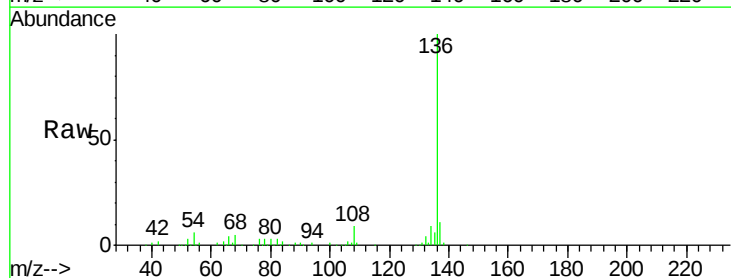
Ion Ratio Lower Upper

136 100

137 10.8 9.0 13.4

54 6.3 7.0 10.6#

68 5.4 5.4 8.2#

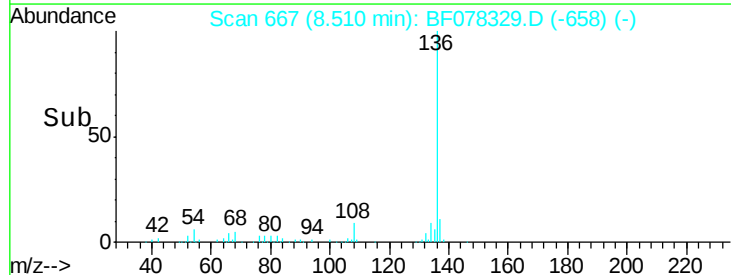
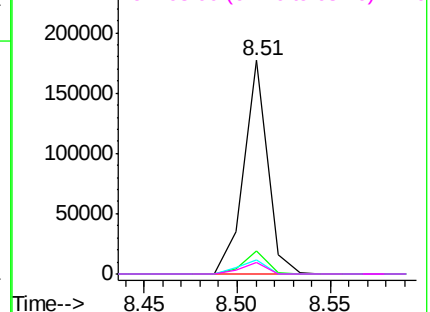


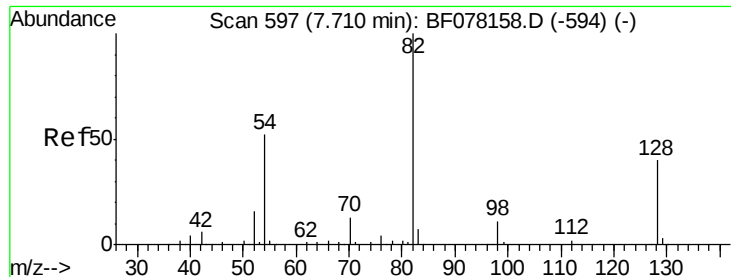
Abundance Ion 136.00 (135.70 to 136.70): E

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

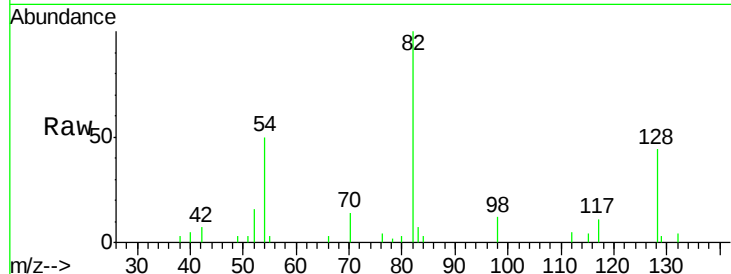




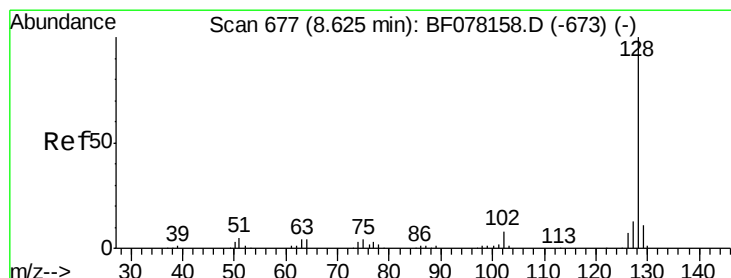
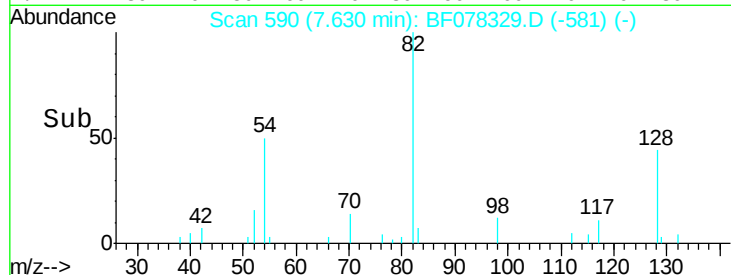
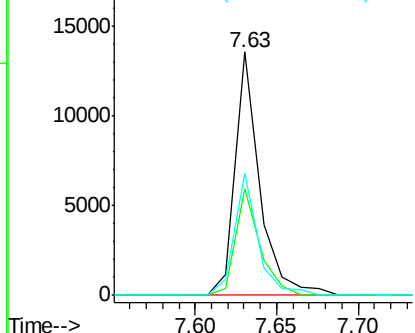
#23
 Nitrobenzene-d5
 Concen: 5.46 ng
 RT: 7.63 min Scan# 590
 Delta R.T. 0.00 min
 Lab File: BF078329.D
 Acq: 8 Apr 2015 8:27

Instrument :
 BNA_F
 ClientSampleId :
 SB-2DDL

Tgt Ion	Ratio	Lower	Upper
82	100		
128	43.8	31.8	47.8
54	50.1	41.5	62.3

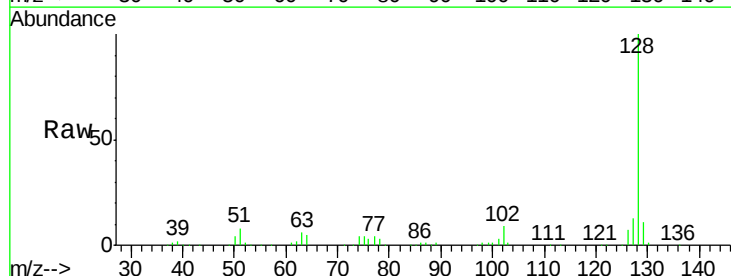


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

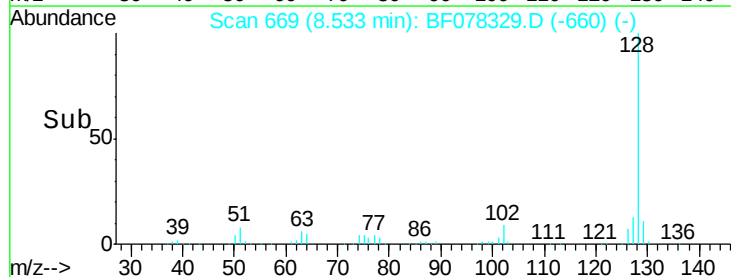
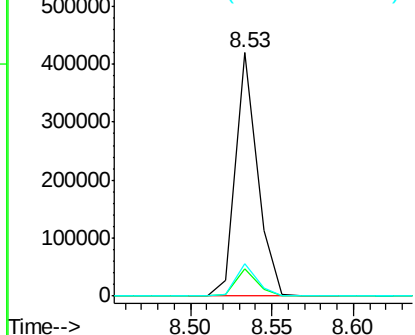


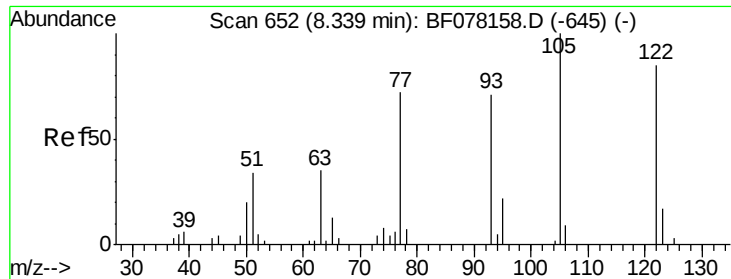
#31
 Naphthalene
 Concen: 47.39 ng
 RT: 8.53 min Scan# 669
 Delta R.T. 0.00 min
 Lab File: BF078329.D
 Acq: 8 Apr 2015 8:27

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.6	12.8
127	13.1	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

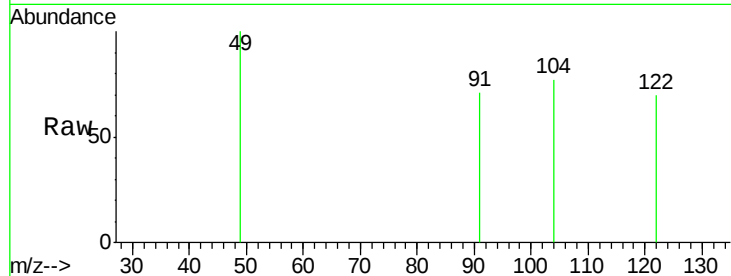




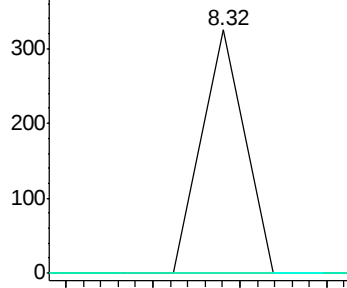
#32
Benzoic acid
Concen: 5.97 ng
RT: 8.32 min Scan# 650
Delta R.T. 0.05 min
Lab File: BF078329.D
Acq: 8 Apr 2015 8:27

Instrument :
BNA_F
ClientSampleId :
SB-2DDL

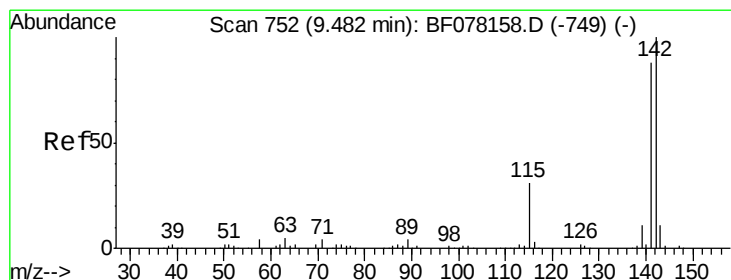
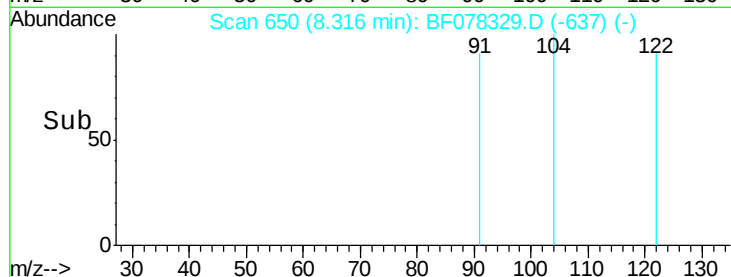
Tgt Ion:122 Resp: 223
Ion Ratio Lower Upper
122 100
105 0.0 96.1 136.1#
77 0.0 64.1 104.1#



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF0

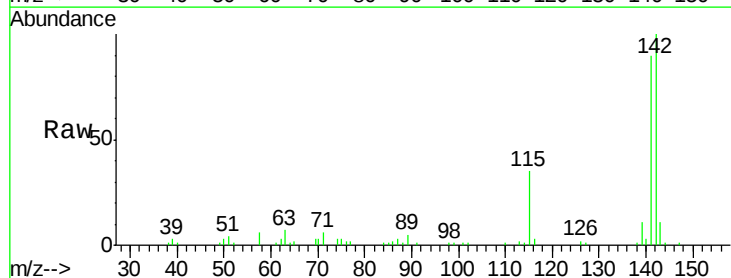


Time--> 8.28 8.30 8.32 8.34

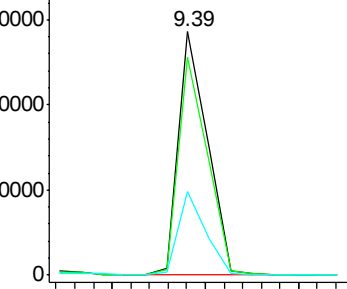


#37
2-Methylnaphthalene
Concen: 11.12 ng
RT: 9.39 min Scan# 744
Delta R.T. 0.00 min
Lab File: BF078329.D
Acq: 8 Apr 2015 8:27

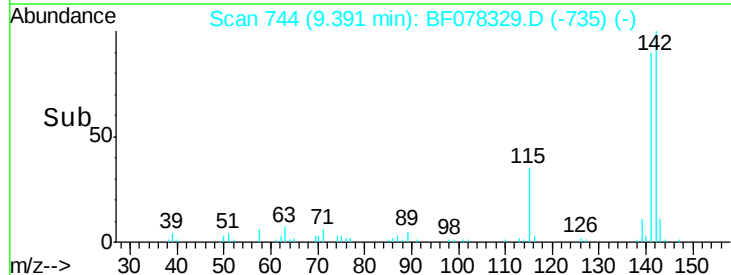
Tgt Ion:142 Resp: 61666
Ion Ratio Lower Upper
142 100
141 89.7 70.3 105.5
115 34.6 24.6 37.0

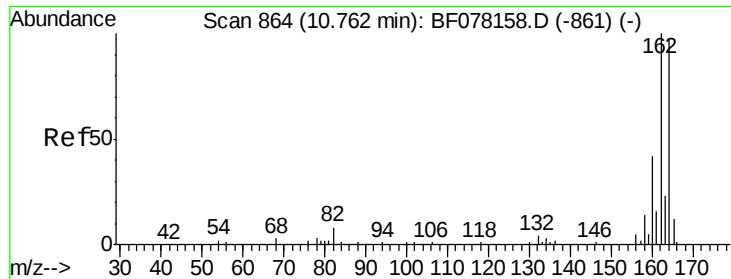


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E



Time--> 9.35 9.40 9.45





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 10.67 min Scan# 856

Delta R.T. 0.00 min

Lab File: BF078329.D

Acq: 8 Apr 2015 8:27

Instrument :

BNA_F

ClientSampleId :

SB-2DDL

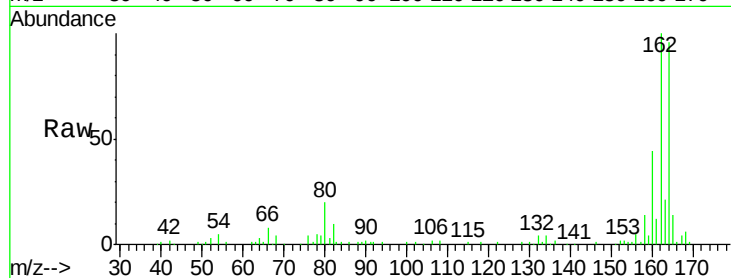
Tgt Ion:164 Resp: 77536

Ion Ratio Lower Upper

164 100

162 104.1 82.2 123.2

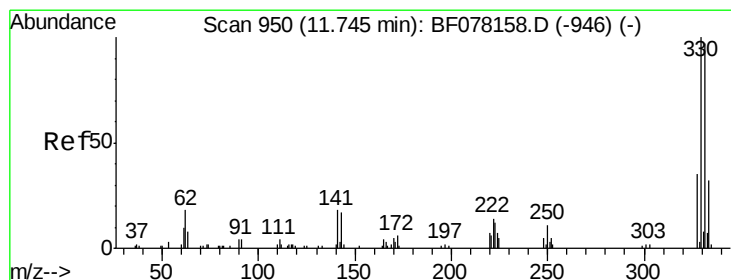
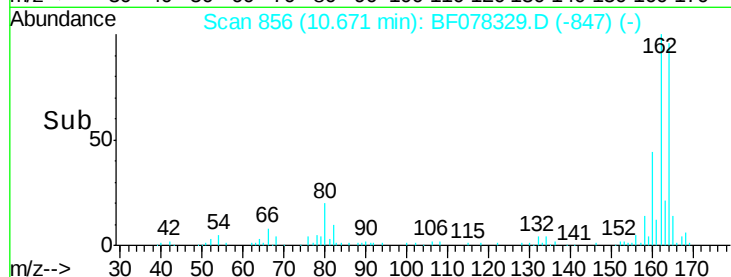
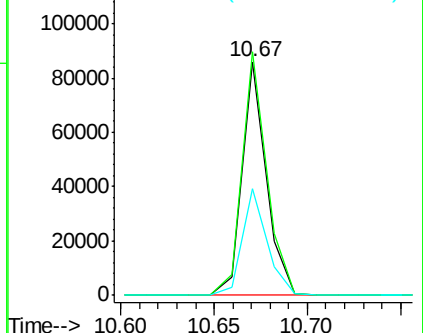
160 45.5 34.7 52.1



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: 7.49 ng

RT: 11.65 min Scan# 942

Delta R.T. 0.00 min

Lab File: BF078329.D

Acq: 8 Apr 2015 8:27

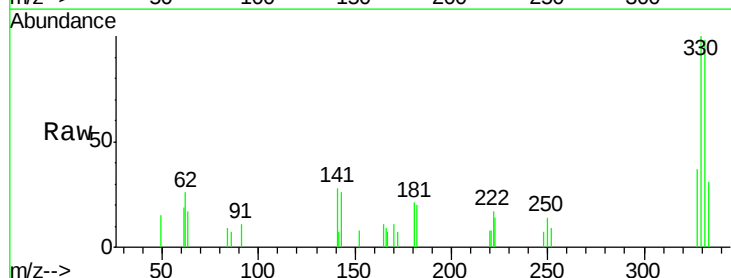
Tgt Ion:330 Resp: 4814

Ion Ratio Lower Upper

330 100

332 94.6 78.6 117.8

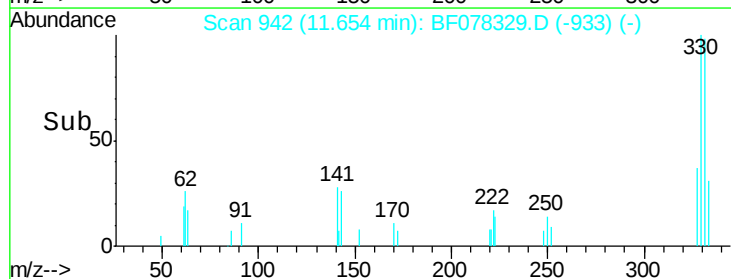
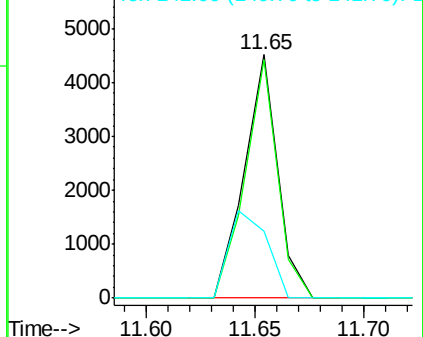
141 40.7 31.2 46.8

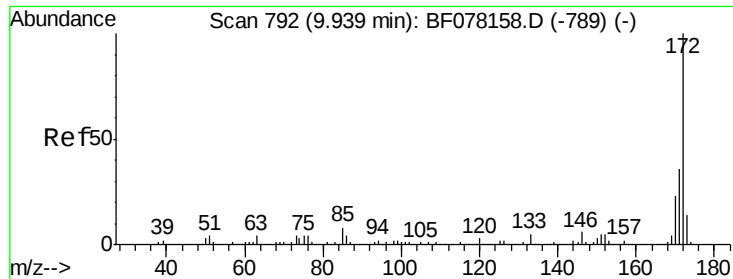


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

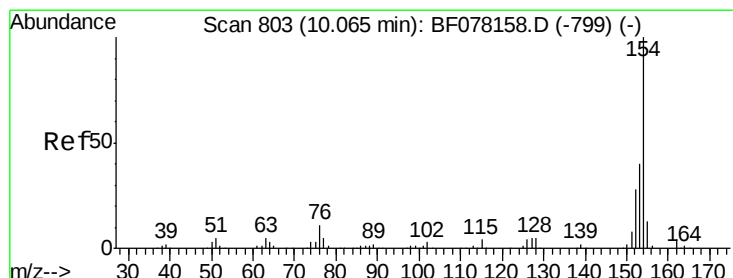
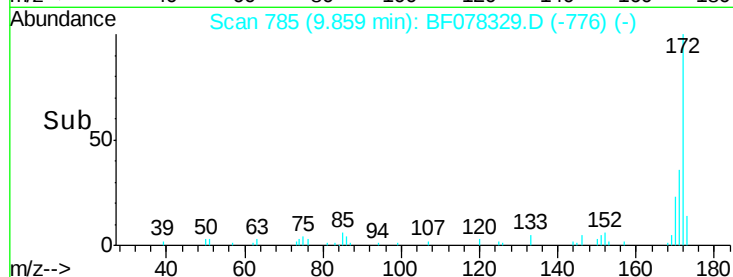
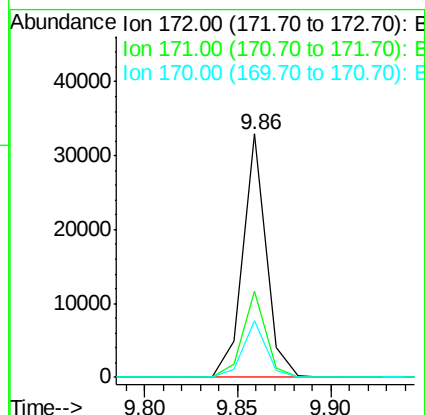
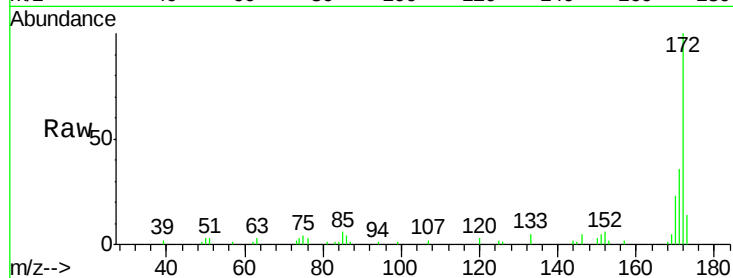




#44
 2-Fluorobiphenyl
 Concen: 5.32 ng
 RT: 9.86 min Scan# 785
 Delta R.T. 0.00 min
 Lab File: BF078329.D
 Acq: 8 Apr 2015 8:27

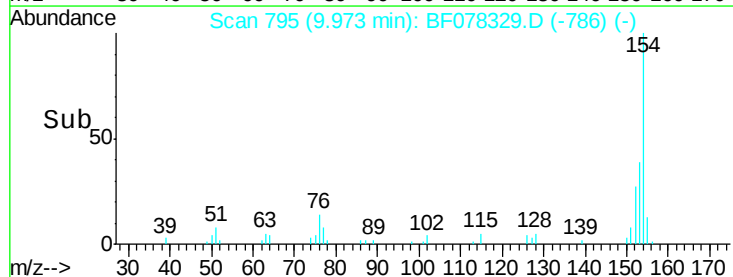
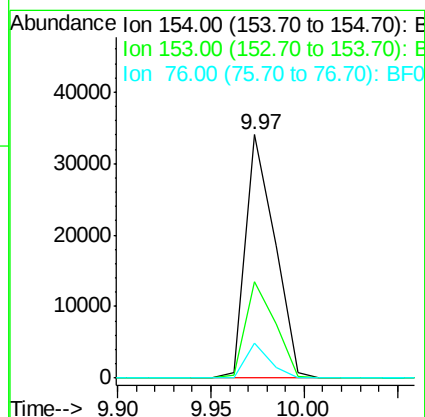
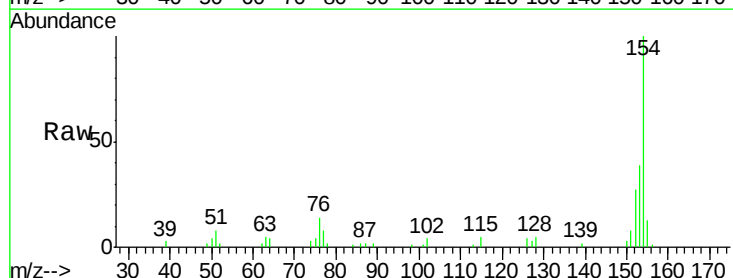
Instrument :
 BNA_F
 ClientSampleId :
 SB-2DDL

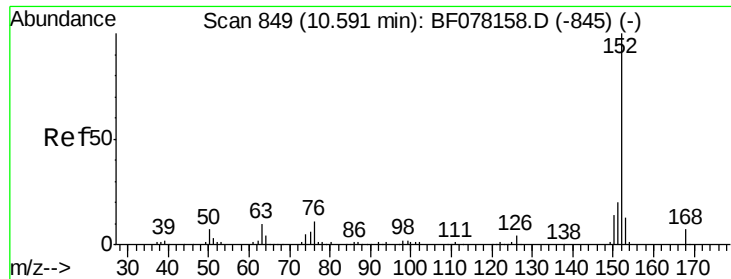
Tgt Ion:172 Resp: 28866
 Ion Ratio Lower Upper
 172 100
 171 35.6 28.6 42.8
 170 23.4 18.5 27.7



#45
 1,1'-Biphenyl
 Concen: 5.87 ng
 RT: 9.97 min Scan# 795
 Delta R.T. 0.00 min
 Lab File: BF078329.D
 Acq: 8 Apr 2015 8:27

Tgt Ion:154 Resp: 37224
 Ion Ratio Lower Upper
 154 100
 153 39.5 20.0 60.0
 76 14.1 0.0 30.6





#48

Acenaphthylene

Concen: 2.56 ng

RT: 10.50 min Scan# 841

Delta R.T. 0.00 min

Lab File: BF078329.D

Acq: 8 Apr 2015 8:27

Instrument :

BNA_F

ClientSampleId :

SB-2DDL

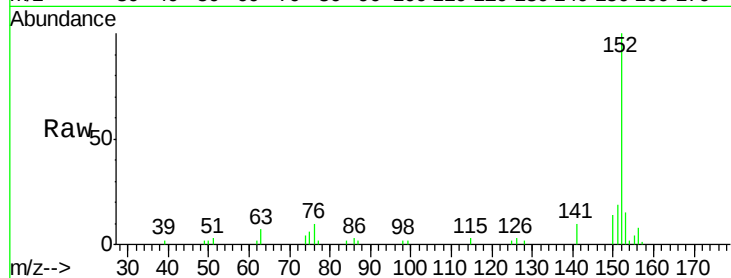
Tgt Ion:152 Resp: 20607

Ion Ratio Lower Upper

152 100

151 18.8 15.7 23.5

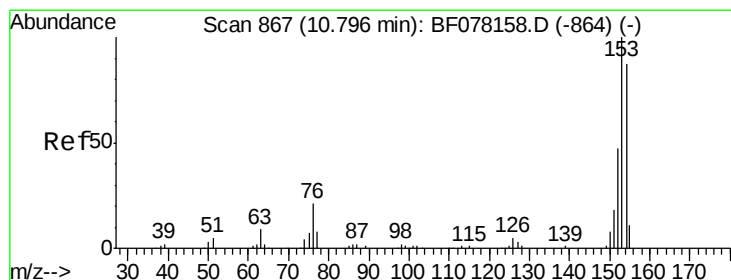
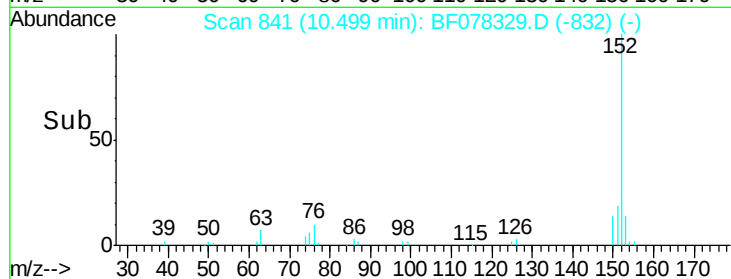
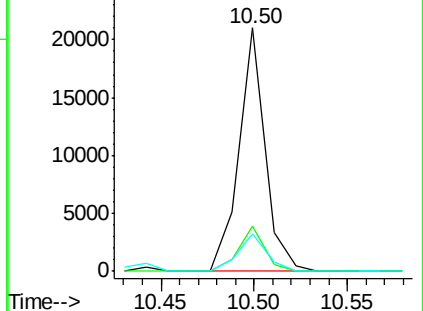
153 15.4 10.2 15.2#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#51

Acenaphthene

Concen: 13.26 ng

RT: 10.72 min Scan# 860

Delta R.T. 0.00 min

Lab File: BF078329.D

Acq: 8 Apr 2015 8:27

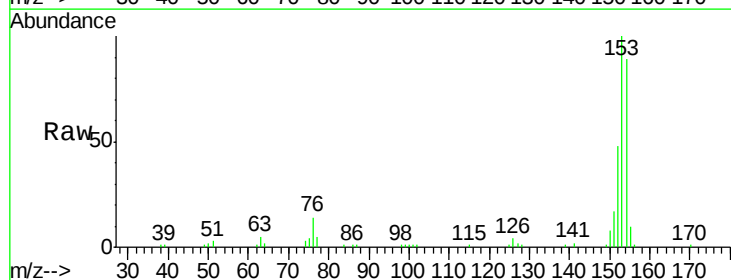
Tgt Ion:154 Resp: 60176

Ion Ratio Lower Upper

154 100

153 112.9 91.4 137.2

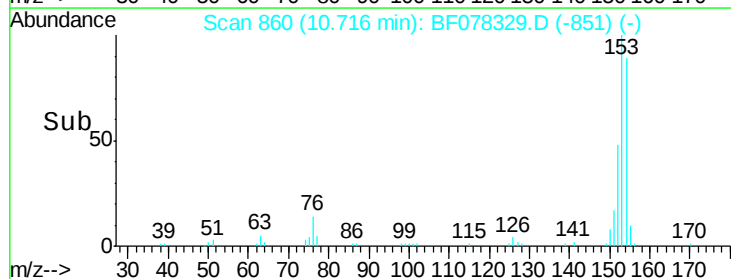
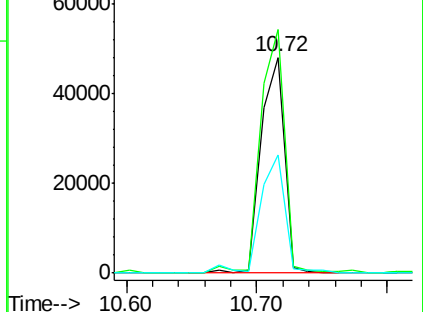
152 54.7 43.0 64.6

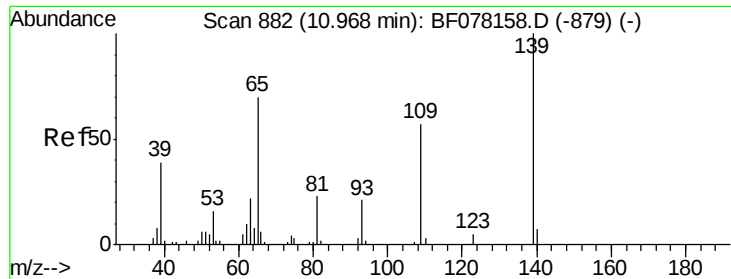


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

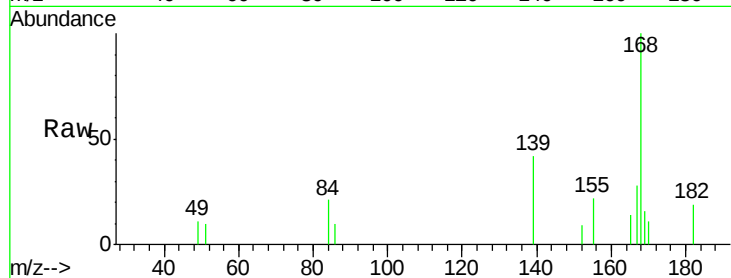




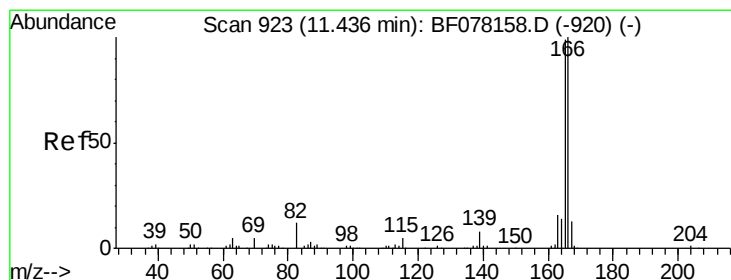
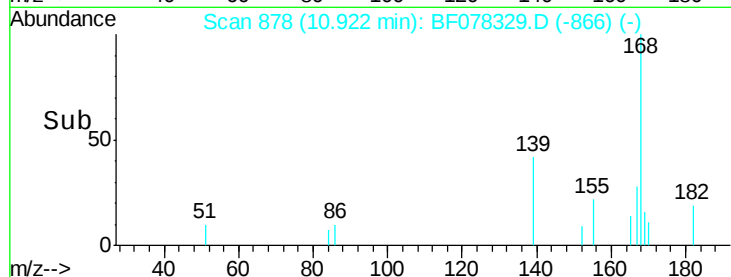
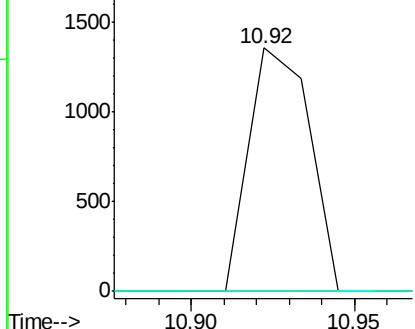
#55
4-Nitrophenol
Concen: 4.44 ng
RT: 10.92 min Scan# 878
Delta R.T. 0.03 min
Lab File: BF078329.D
Acq: 8 Apr 2015 8:27

Instrument :
BNA_F
ClientSampleId :
SB-2DDL

Tgt Ion:139 Resp: 1744
Ion Ratio Lower Upper
139 100
109 0.0 36.7 76.7#
65 0.0 49.9 89.9#

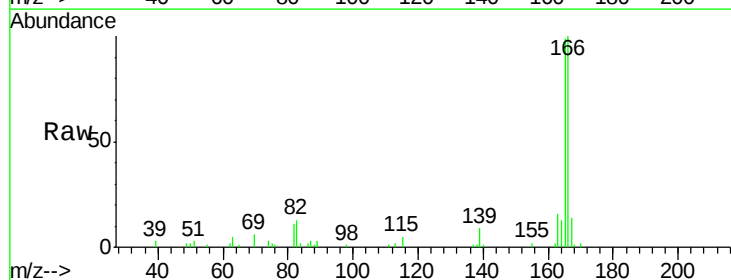


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

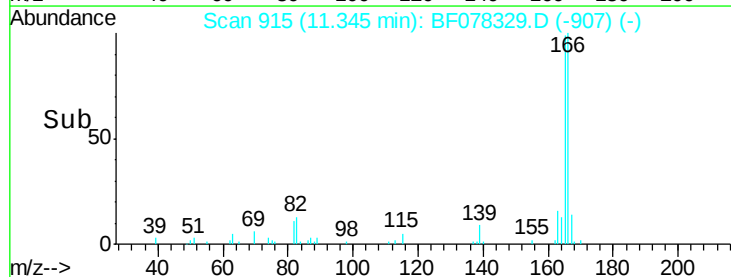
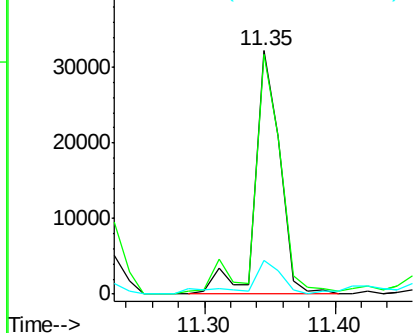


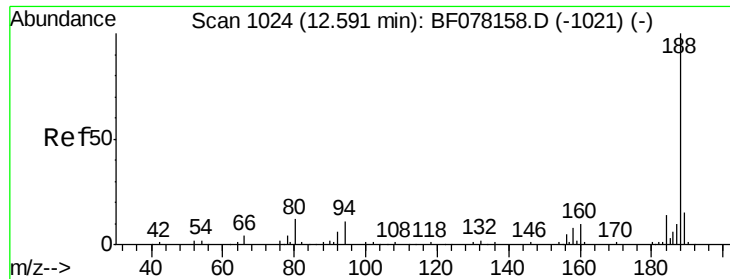
#57
Fluorene
Concen: 7.61 ng
RT: 11.35 min Scan# 915
Delta R.T. -0.01 min
Lab File: BF078329.D
Acq: 8 Apr 2015 8:27

Tgt Ion:166 Resp: 42739
Ion Ratio Lower Upper
166 100
165 98.6 78.9 118.3
167 13.9 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

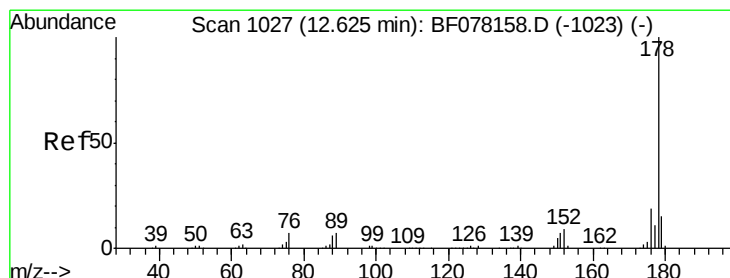
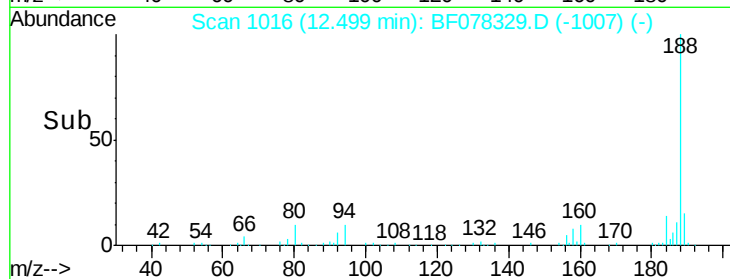
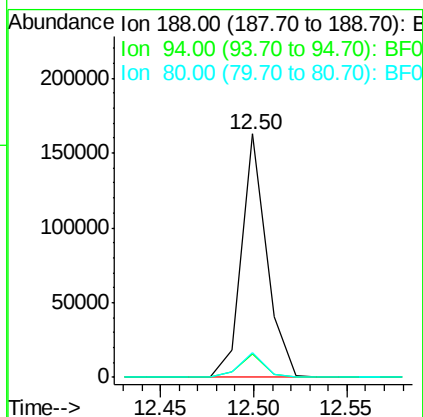
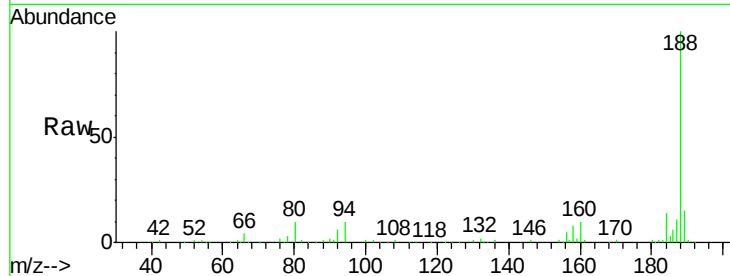




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 12.50 min Scan# 1016
 Delta R.T. 0.00 min
 Lab File: BF078329.D
 Acq: 8 Apr 2015 8:27

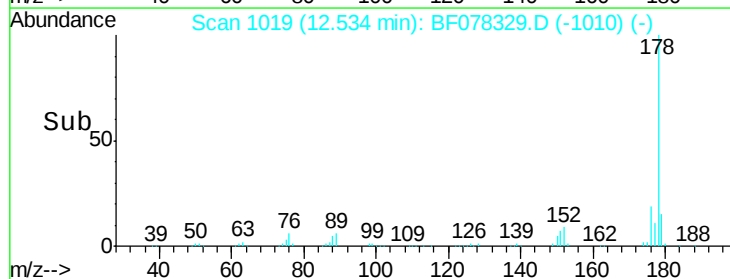
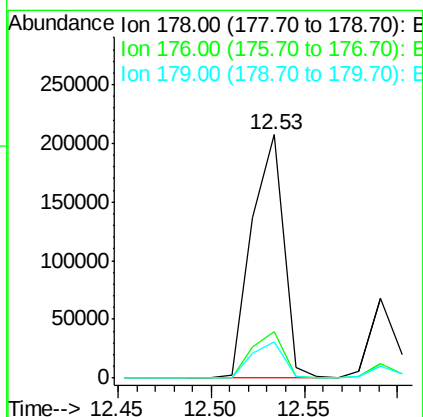
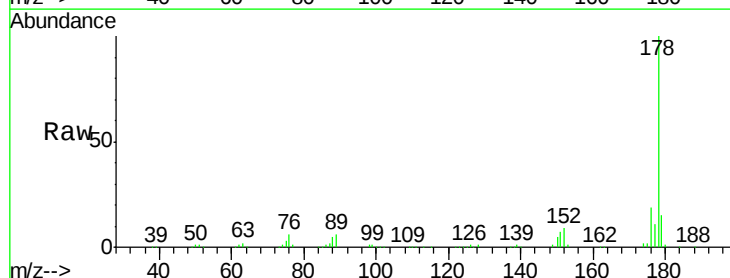
Instrument :
 BNA_F
 ClientSampleId :
 SB-2DDL

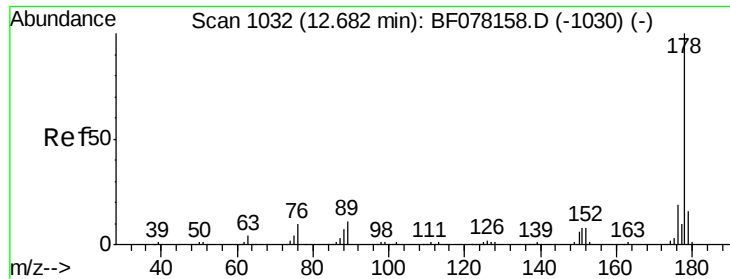
Tgt Ion:188 Resp: 153315
 Ion Ratio Lower Upper
 188 100
 94 9.8 9.0 13.4
 80 10.4 9.5 14.3



#70
 Phenanthrene
 Concen: 27.63 ng
 RT: 12.53 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: BF078329.D
 Acq: 8 Apr 2015 8:27

Tgt Ion:178 Resp: 245070
 Ion Ratio Lower Upper
 178 100
 176 19.1 15.4 23.0
 179 15.1 12.2 18.2

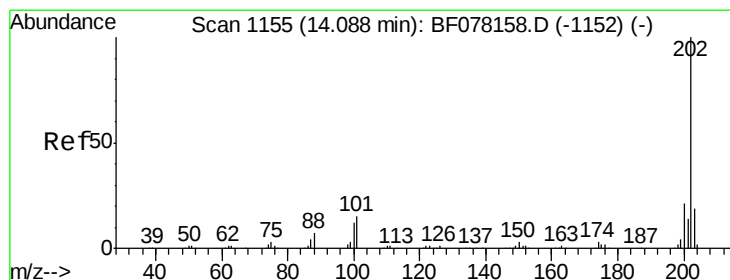
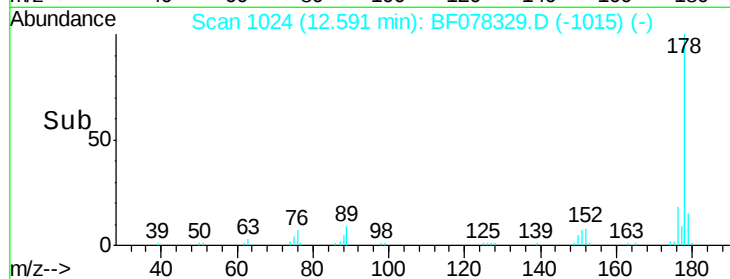
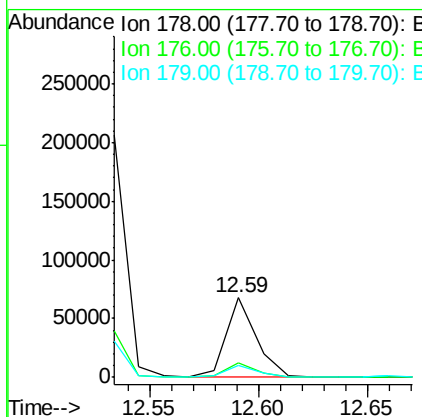
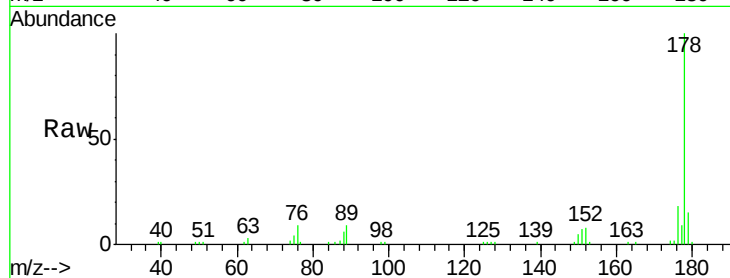




#71
 Anthracene
 Concen: 7.31 ng
 RT: 12.59 min Scan# 1024
 Delta R.T. 0.00 min
 Lab File: BF078329.D
 Acq: 8 Apr 2015 8:27

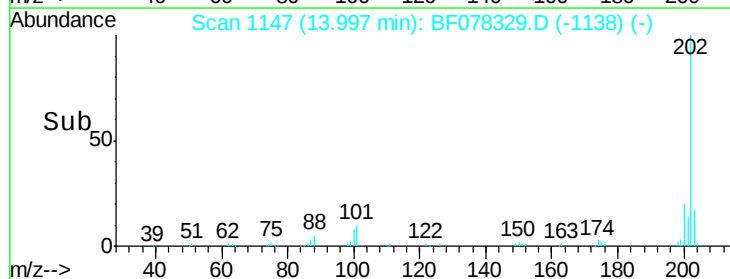
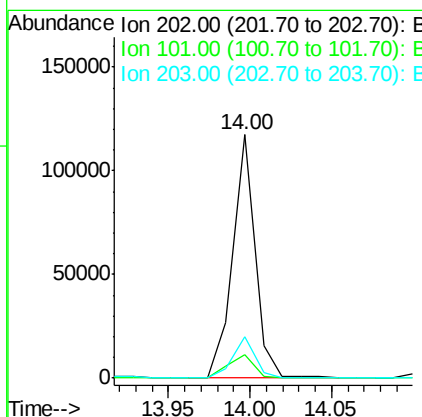
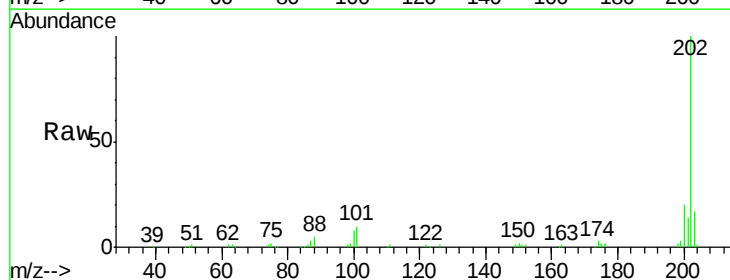
Instrument :
 BNA_F
 ClientSampleId :
 SB-2DDL

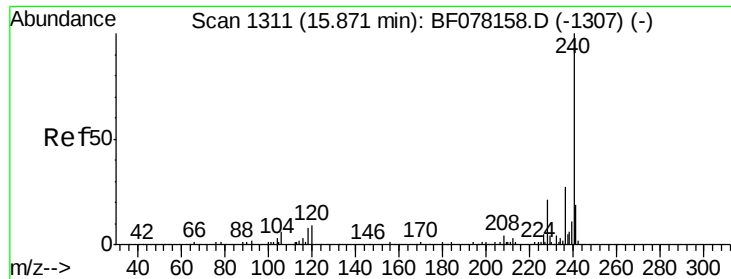
Tgt Ion:178 Resp: 63882
 Ion Ratio Lower Upper
 178 100
 176 18.2 14.8 22.2
 179 15.4 12.4 18.6



#74
 Fluoranthene
 Concen: 11.97 ng
 RT: 14.00 min Scan# 1147
 Delta R.T. 0.00 min
 Lab File: BF078329.D
 Acq: 8 Apr 2015 8:27

Tgt Ion:202 Resp: 111912
 Ion Ratio Lower Upper
 202 100
 101 9.7 0.0 35.2
 203 17.1 0.0 38.5





#75

Chrysene-d12

Concen: 20.00 ng

RT: 15.77 min Scan# 1302

Delta R.T. 0.00 min

Lab File: BF078329.D

Acq: 8 Apr 2015 8:27

Instrument :

BNA_F

ClientSampleId :

SB-2DDL

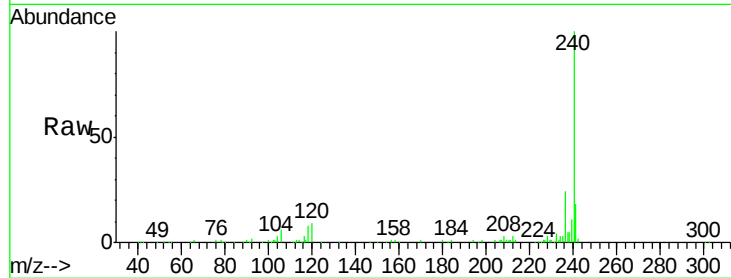
Tgt Ion:240 Resp: 163616

Ion Ratio Lower Upper

240 100

120 9.3 7.1 10.7

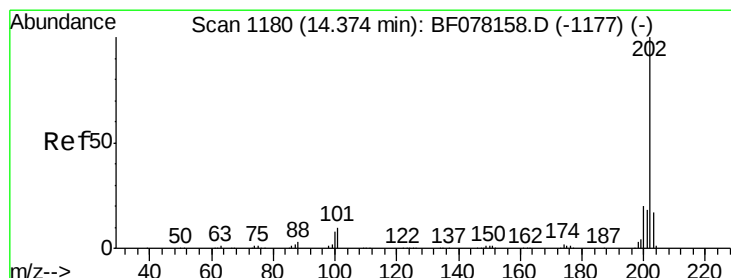
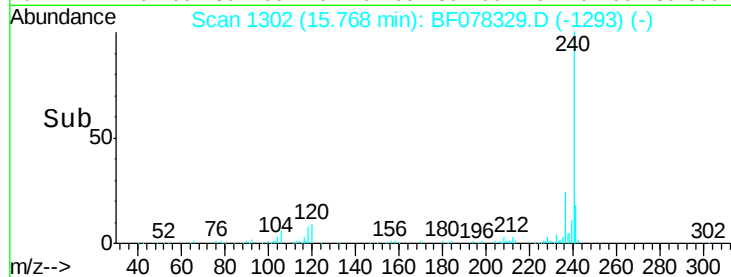
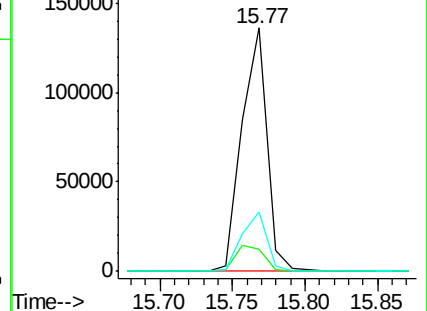
236 24.3 21.4 32.2



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: 16.71 ng

RT: 14.27 min Scan# 1171

Delta R.T. 0.00 min

Lab File: BF078329.D

Acq: 8 Apr 2015 8:27

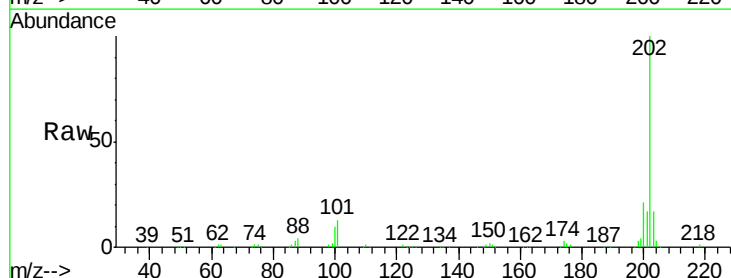
Tgt Ion:202 Resp: 171653

Ion Ratio Lower Upper

202 100

200 20.9 16.3 24.5

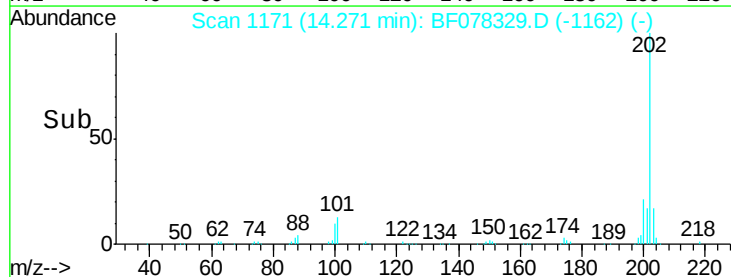
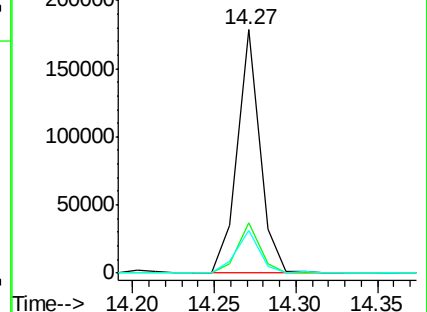
203 17.5 13.8 20.6

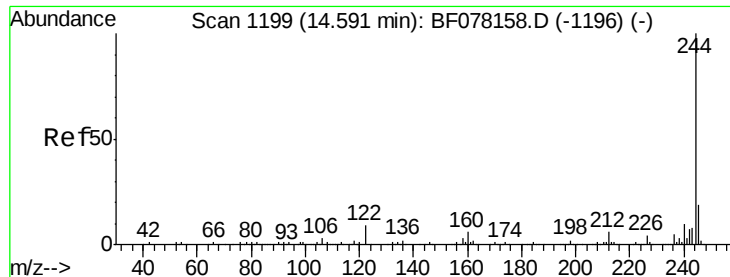


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 4.52 ng

RT: 14.49 min Scan# 1190

Delta R.T. -0.01 min

Lab File: BF078329.D

Acq: 8 Apr 2015 8:27

Instrument :

BNA_F

ClientSampleId :

SB-2DDL

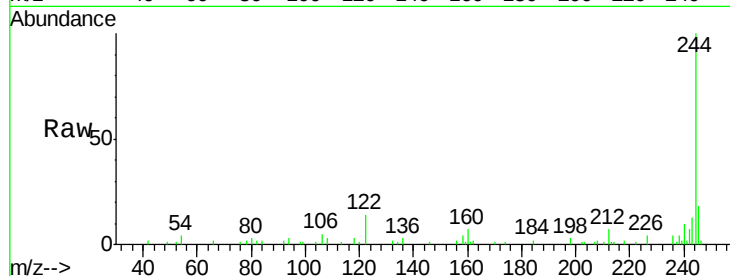
Tgt Ion:244 Resp: 32764

Ion Ratio Lower Upper

244 100

212 7.0 5.0 7.4

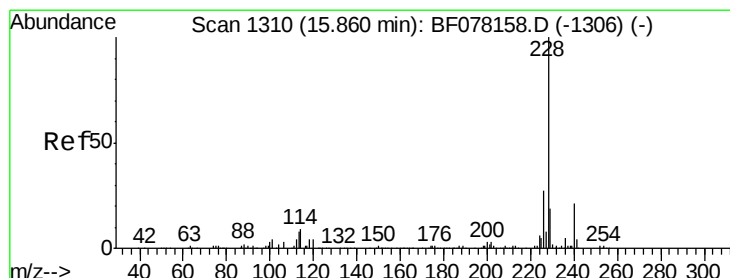
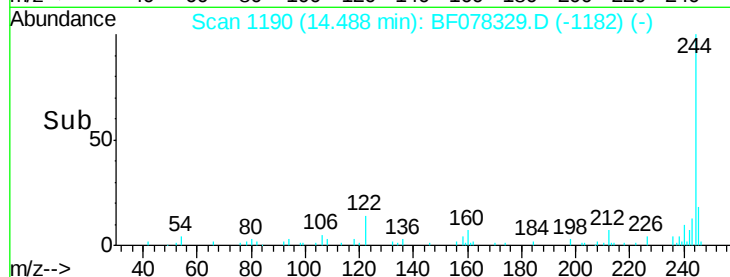
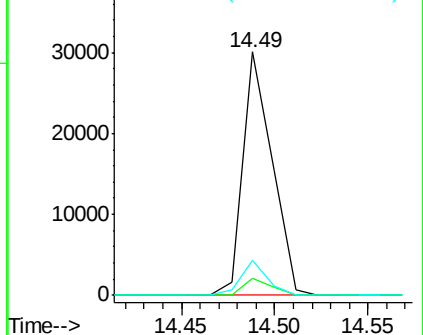
122 14.3 7.1 10.7#



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: 2.62 ng

RT: 15.79 min Scan# 1304

Delta R.T. 0.03 min

Lab File: BF078329.D

Acq: 8 Apr 2015 8:27

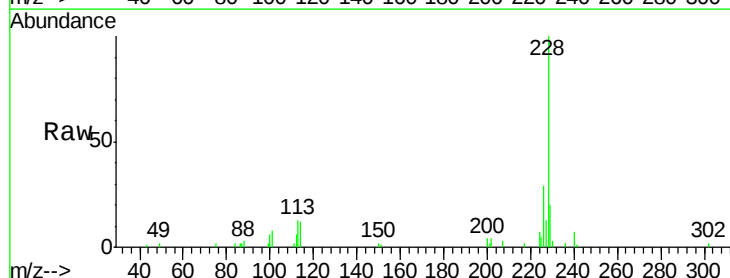
Tgt Ion:228 Resp: 25489

Ion Ratio Lower Upper

228 100

226 29.1 21.3 31.9

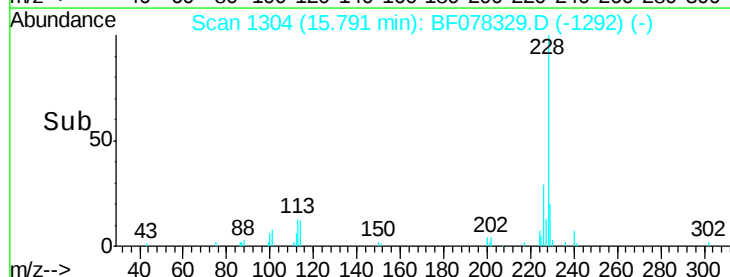
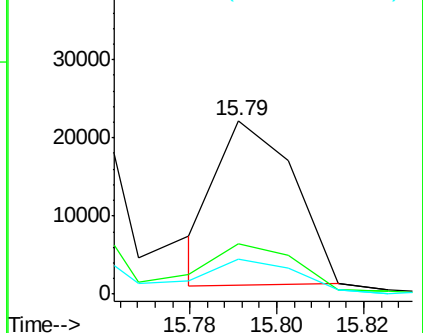
229 20.3 15.4 23.2

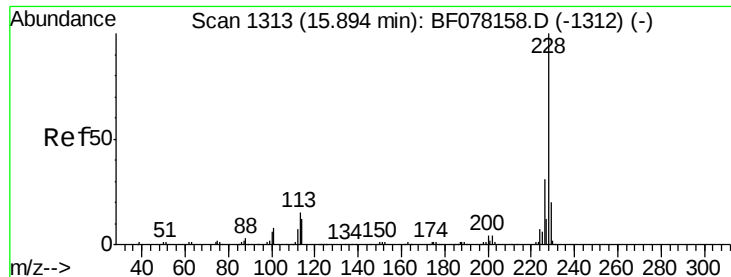


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 3.14 ng

RT: 15.79 min Scan# 1304

Delta R.T. -0.01 min

Lab File: BF078329.D

Acq: 8 Apr 2015 8:27

Instrument :

BNA_F

ClientSampleId :

SB-2DDL

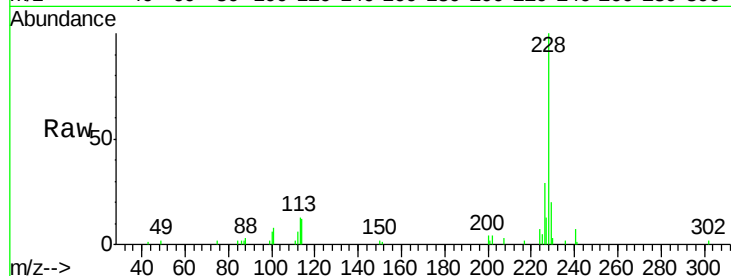
Tgt Ion:228 Resp: 28753

Ion Ratio Lower Upper

228 100

226 29.1 24.2 36.4

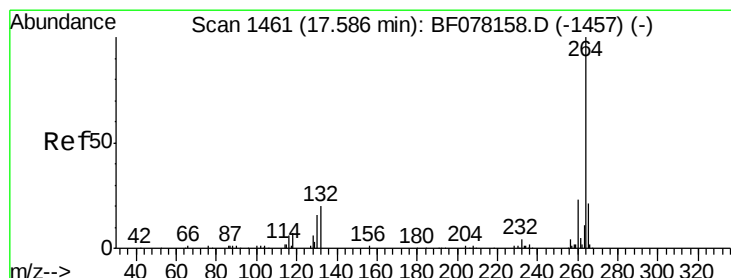
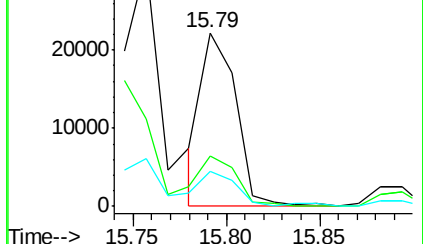
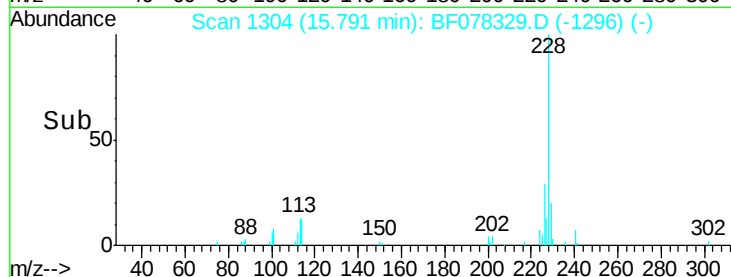
229 20.3 15.8 23.8



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 17.47 min Scan# 1451

Delta R.T. 0.05 min

Lab File: BF078329.D

Acq: 8 Apr 2015 8:27

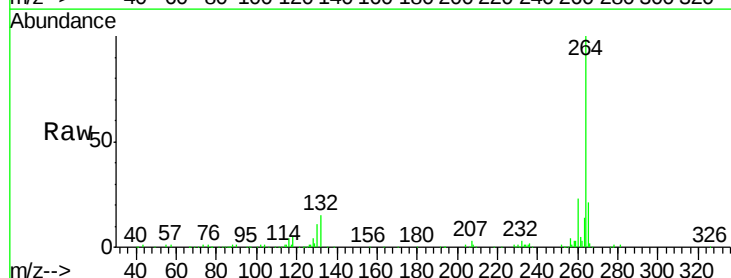
Tgt Ion:264 Resp: 160599

Ion Ratio Lower Upper

264 100

260 23.4 18.6 27.8

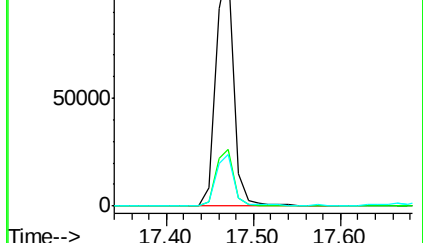
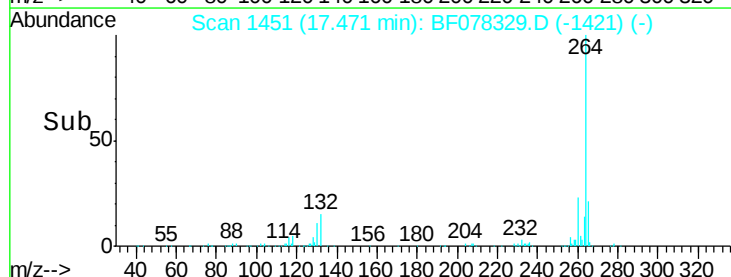
265 21.2 17.0 25.6

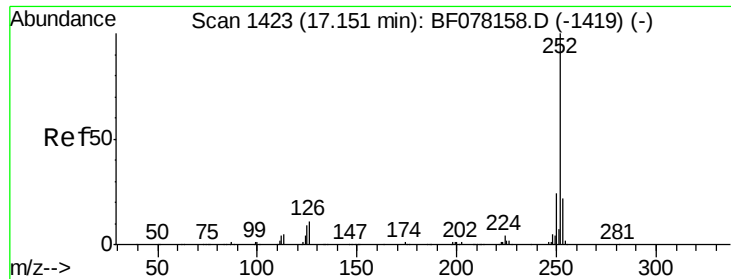


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

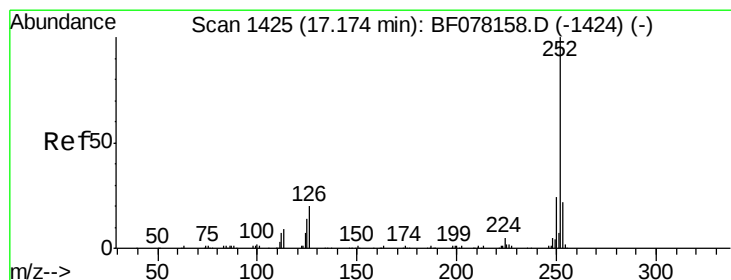
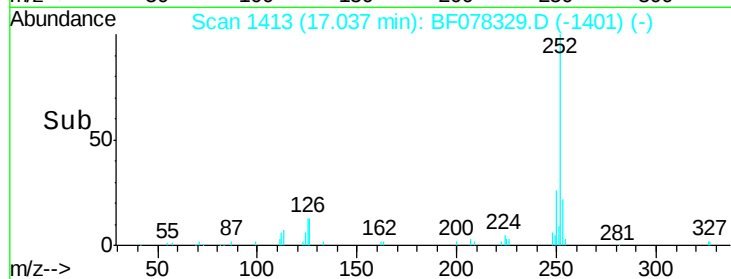
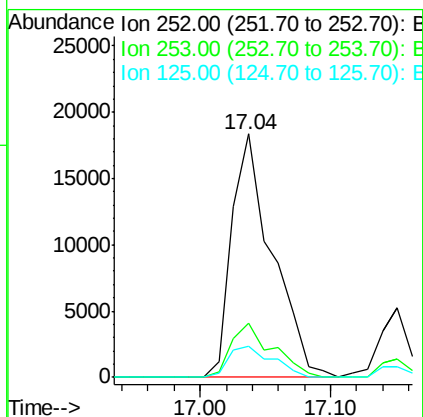
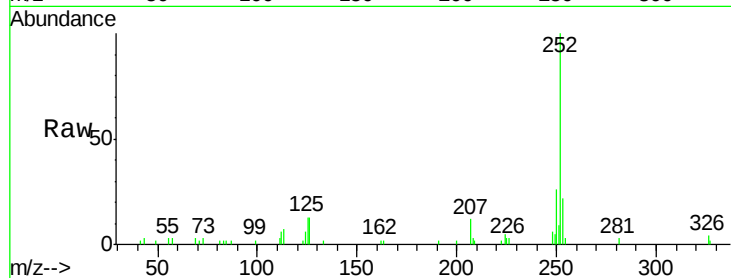




#87
Benzo(b)fluoranthene
Concen: 3.97 ng
RT: 17.04 min Scan# 1413
Delta R.T. 0.03 min
Lab File: BF078329.D
Acq: 8 Apr 2015 8:27

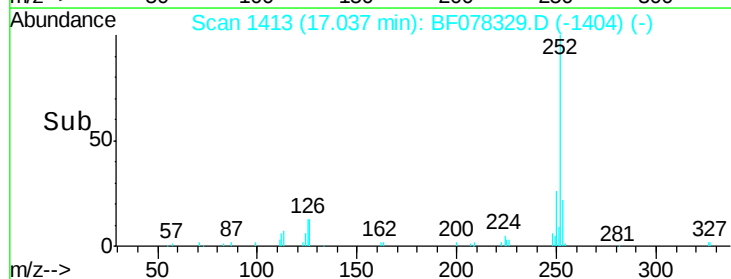
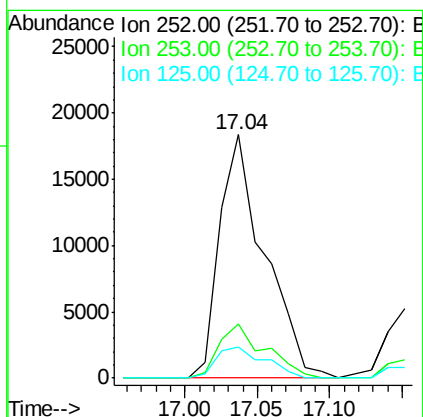
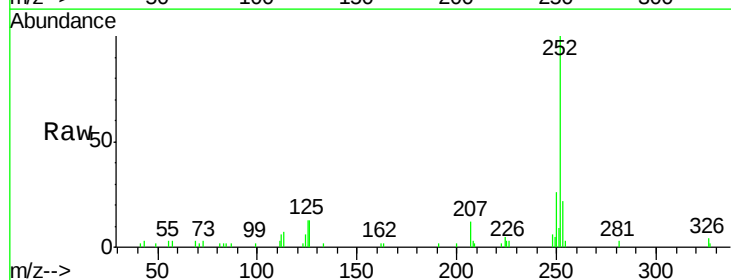
Instrument :
BNA_F
ClientSampleId :
SB-2DDL

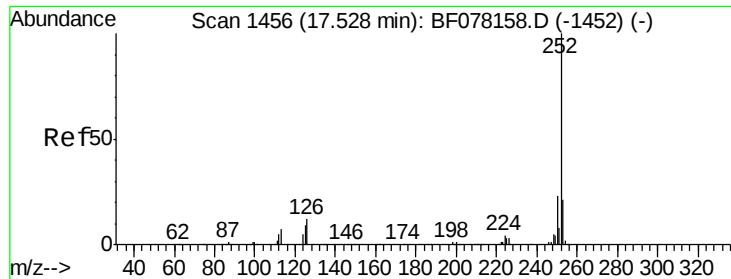
Tgt Ion: 252 Resp: 39412
Ion Ratio Lower Upper
252 100
253 22.0 17.2 25.8
125 13.0 7.0 10.4#



#88
Benzo(k)fluoranthene
Concen: 4.47 ng
RT: 17.04 min Scan# 1413
Delta R.T. 0.00 min
Lab File: BF078329.D
Acq: 8 Apr 2015 8:27

Tgt Ion: 252 Resp: 39410
Ion Ratio Lower Upper
252 100
253 22.0 17.5 26.3
125 13.0 11.6 17.4





#89

Benzo(a)pyrene

Concen: 4.33 ng

RT: 17.40 min Scan# 1445

Delta R.T. 0.05 min

Lab File: BF078329.D

Acq: 8 Apr 2015 8:27

Instrument :

BNA_F

ClientSampleId :

SB-2DDL

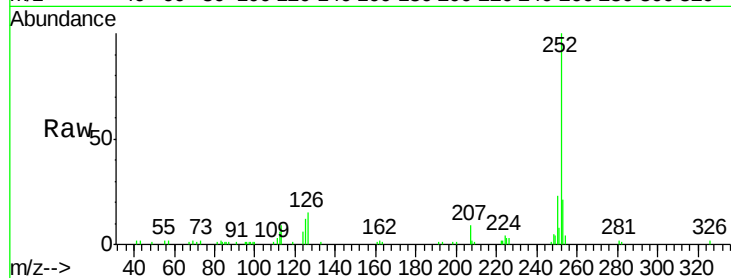
Tgt Ion:252 Resp: 37503

Ion Ratio Lower Upper

252 100

253 21.1 16.8 25.2

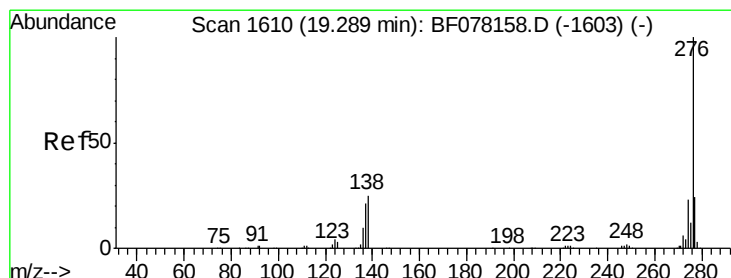
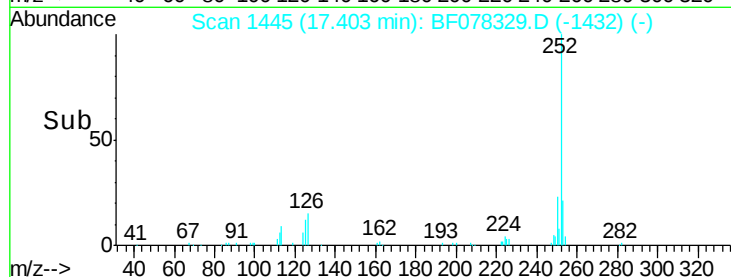
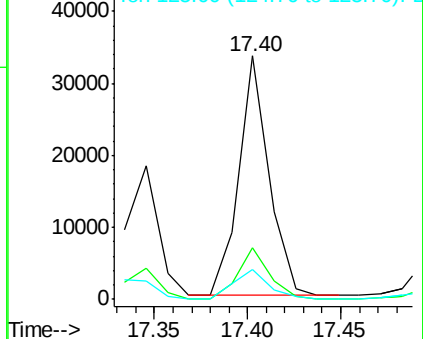
125 12.0 7.4 11.0#



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: 2.64 ng

RT: 19.09 min Scan# 1593

Delta R.T. 0.06 min

Lab File: BF078329.D

Acq: 8 Apr 2015 8:27

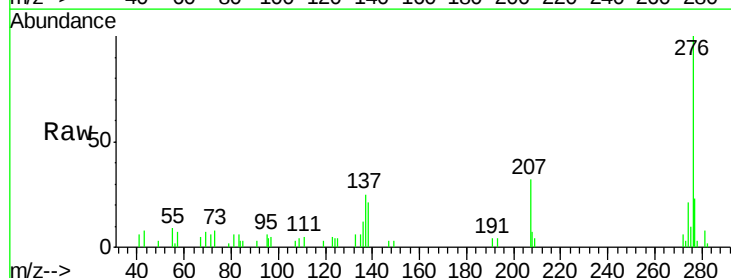
Tgt Ion:276 Resp: 22962

Ion Ratio Lower Upper

276 100

277 23.2 19.0 28.4

138 21.4 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

