

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF042915\
 Data File : BF078839.D
 Acq On : 30 Apr 2015 5:38
 Operator : TP/IZ
 Sample : G2021-07
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PS-17-3-5

Quant Time: Apr 30 07:21:20 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF042815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 30 01:56:50 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.38	152	79848	20.00	ng	0.00
21) Naphthalene-d8	8.96	136	332812	20.00	ng	0.00
38) Acenaphthene-d10	11.14	164	159755	20.00	ng	0.00
63) Phenanthrene-d10	12.98	188	311350	20.00	ng	0.00
75) Chrysene-d12	16.29	240	337558	20.00	ng	0.00
86) Perylene-d12	17.99	264	373259	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.68	112	415383	95.55	ng	0.01
7) Phenol-d6	6.92	99	549318	94.61	ng	0.00
23) Nitrobenzene-d5	8.07	82	298905	64.66	ng	0.00
41) 2,4,6-Tribromophenol	12.11	330	152389	97.32	ng	-0.01
44) 2-Fluorobiphenyl	10.31	172	665856	57.08	ng	0.00
78) Terphenyl-d14	14.98	244	753860	53.19	ng	0.00

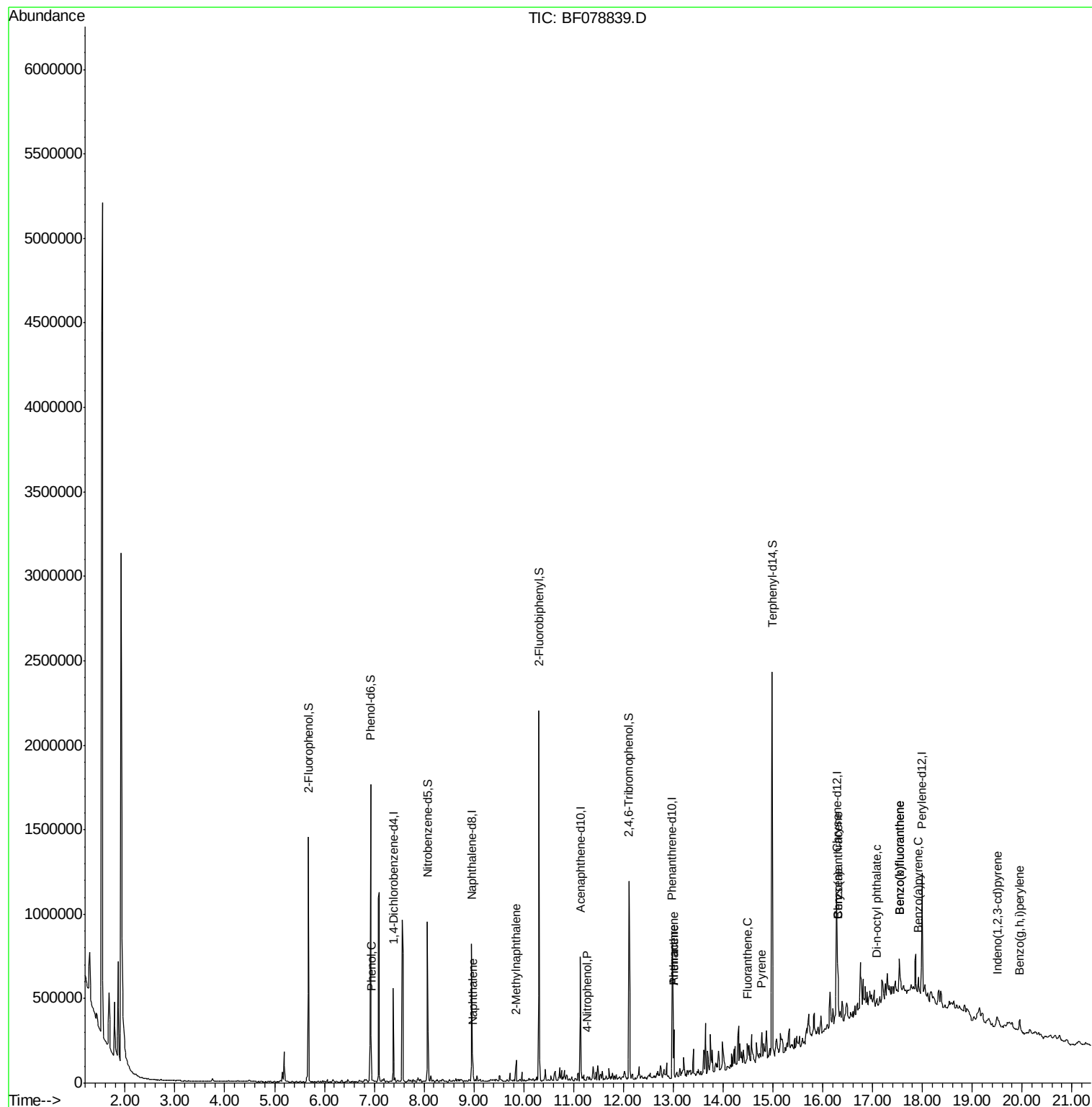
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.94	94	19922	2.90	ng	# 71
31) Naphthalene	8.98	128	35290	2.23	ng	98
37) 2-Methylnaphthalene	9.85	142	42281	3.98	ng	97
55) 4-Nitrophenol	11.28	139	941	6.99	ng	# 46
70) Phenanthrene	13.02	178	116061	6.88	ng	98
71) Anthracene	13.02	178	90796	5.51	ng	98
74) Fluoranthene	14.49	202	73930	4.40	ng	98
77) Pyrene	14.78	202	72957	3.70	ng	97
80) Benzo(a)anthracene	16.30	228	237392	13.11	ng	# 88
82) Chrysene	16.30	228	224843	12.74	ng	# 91
84) Di-n-octyl phthalate	17.07	149	1248	7.00	ng	# 100
85) Indeno(1,2,3-cd)pyrene	19.51	276	44483	2.22	ng	# 100
87) Benzo(b)fluoranthene	17.54	252	134370	6.65	ng	98
88) Benzo(k)fluoranthene	17.54	252	137005	7.00	ng	99
89) Benzo(a)pyrene	17.92	252	43148	2.39	ng	# 80
91) Benzo(g,h,i)perylene	19.95	276	59807	3.18	ng	# 91

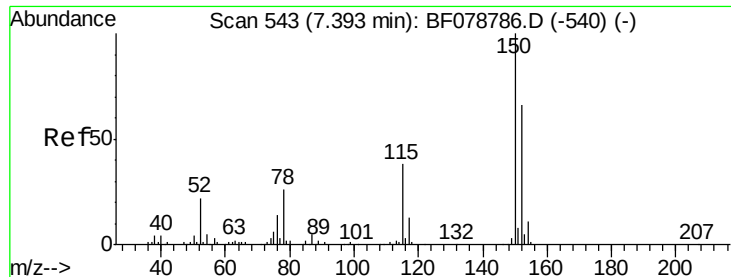
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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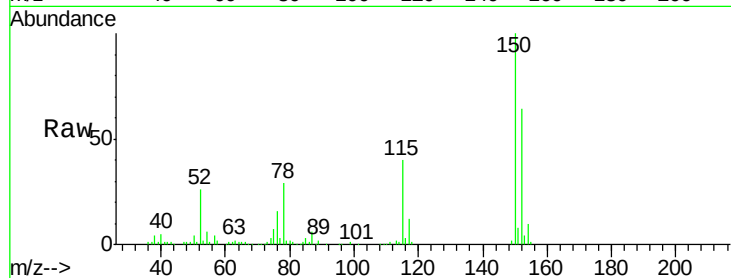


#1

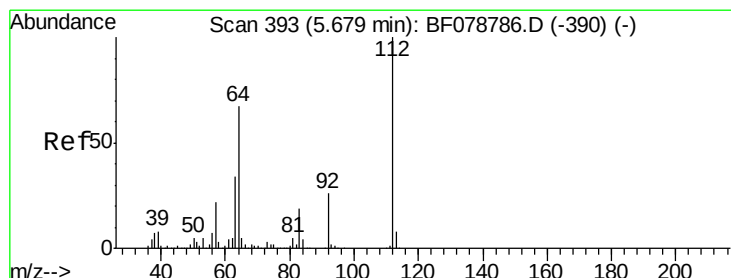
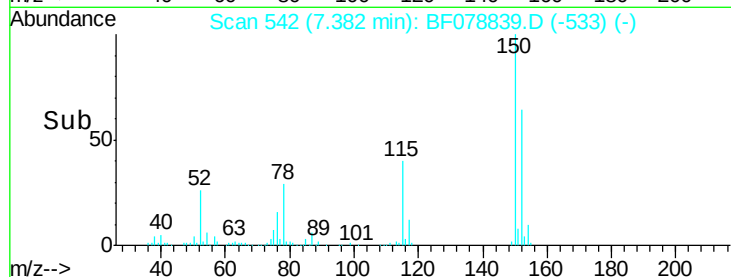
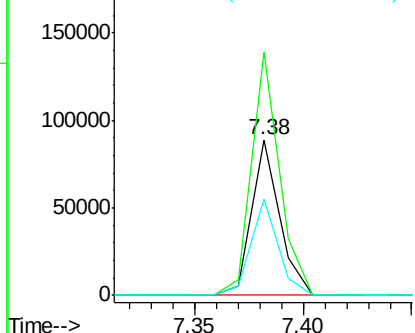
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.38 min Scan# 542
Delta R.T. 0.00 min
Lab File: BF078839.D
Acq: 30 Apr 2015 5:38

Instrument :
BNA_F
ClientSampleId :
PS-17-3-5

Tgt Ion:152 Resp: 79848
Ion Ratio Lower Upper
152 100
150 156.3 122.0 183.0
115 61.8 46.3 69.5



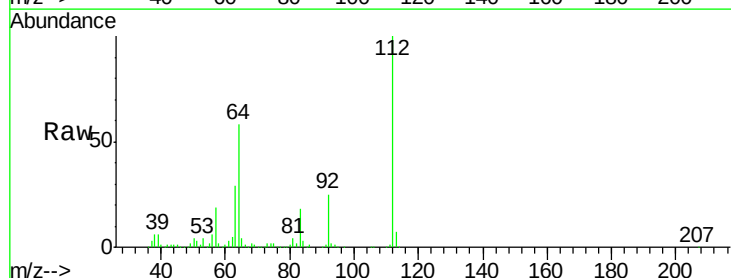
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



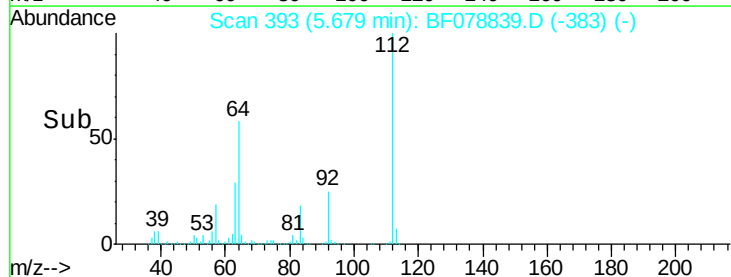
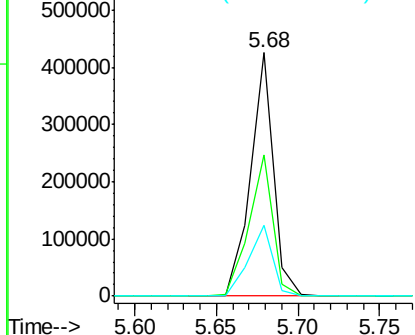
#5

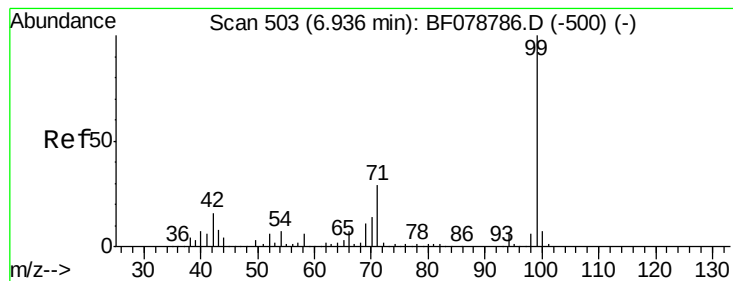
2-Fluorophenol
Concen: 95.55 ng
RT: 5.68 min Scan# 393
Delta R.T. 0.01 min
Lab File: BF078839.D
Acq: 30 Apr 2015 5:38

Tgt Ion:112 Resp: 415383
Ion Ratio Lower Upper
112 100
64 57.9 53.5 80.3
63 29.3 27.5 41.3



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: 94.61 ng

RT: 6.92 min Scan# 502

Delta R.T. 0.00 min

Lab File: BF078839.D

Acq: 30 Apr 2015 5:38

Instrument :

BNA_F

ClientSampleId :

PS-17-3-5

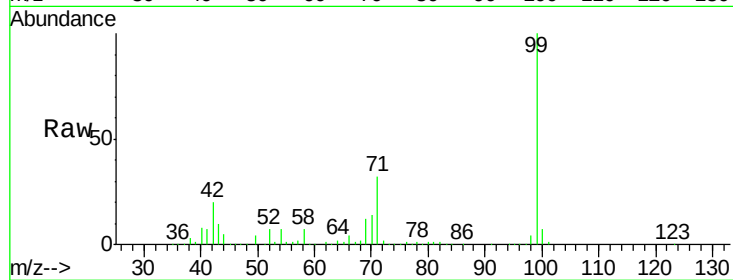
Tgt Ion: 99 Resp: 549318

Ion Ratio Lower Upper

99 100

42 19.9 12.8 19.2#

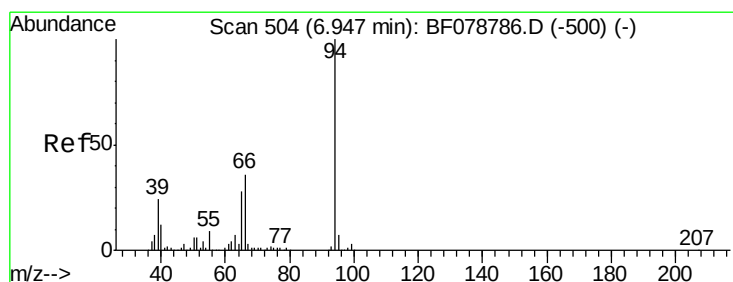
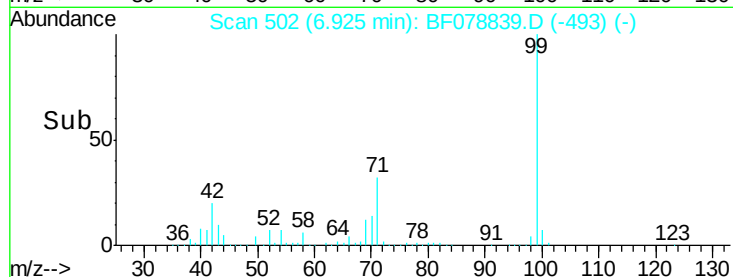
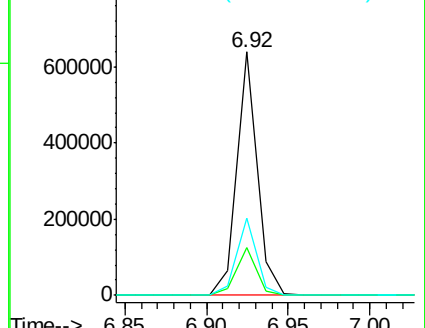
71 31.6 23.4 35.2



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



#10

Phenol

Concen: 2.90 ng

RT: 6.94 min Scan# 503

Delta R.T. 0.00 min

Lab File: BF078839.D

Acq: 30 Apr 2015 5:38

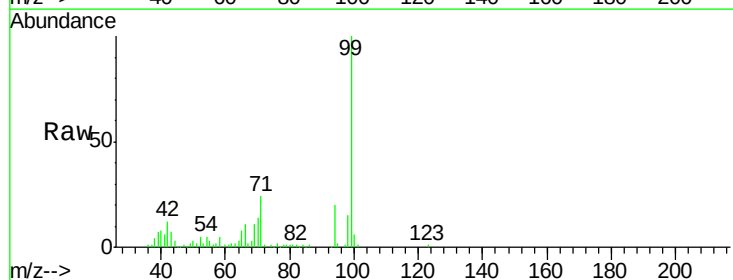
Tgt Ion: 94 Resp: 19922

Ion Ratio Lower Upper

94 100

65 38.7 8.5 48.5

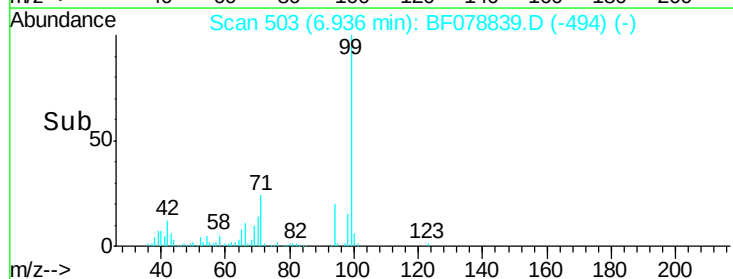
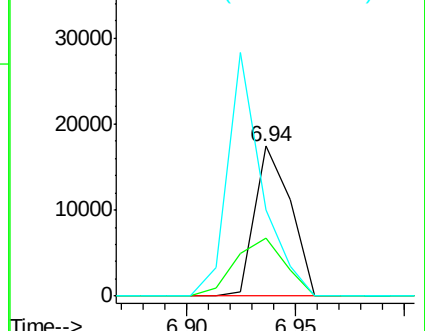
66 57.9 16.0 56.0#

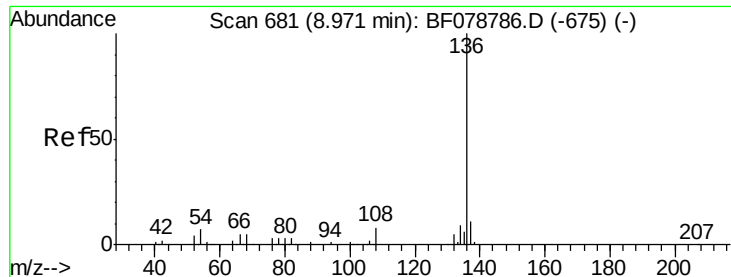


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

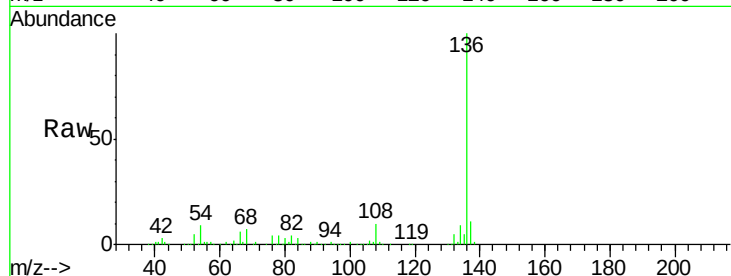




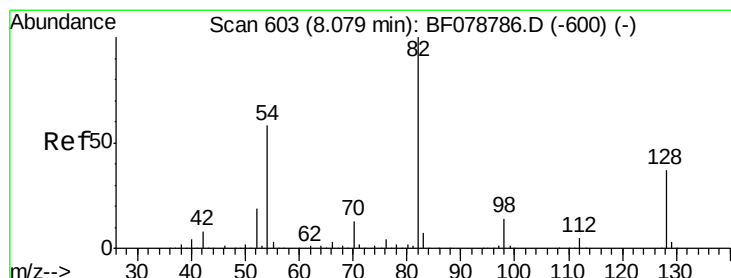
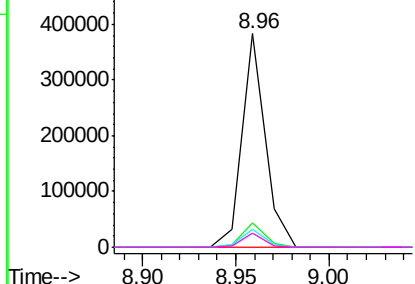
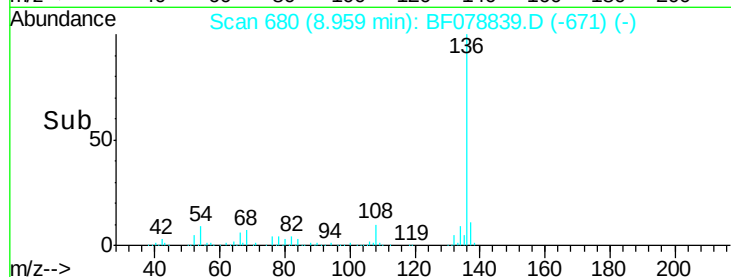
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.96 min Scan# 680
Delta R.T. 0.00 min
Lab File: BF078839.D
Acq: 30 Apr 2015 5:38

Instrument :
BNA_F
ClientSampleId :
PS-17-3-5

Tgt Ion:	136	Resp:	332812
Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.7	13.1
54	8.6	5.8	8.8
68	6.5	4.2	6.4#

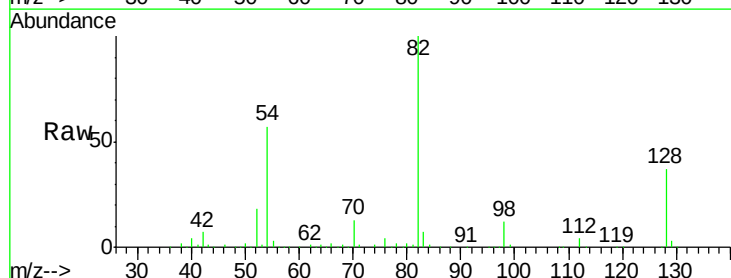


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

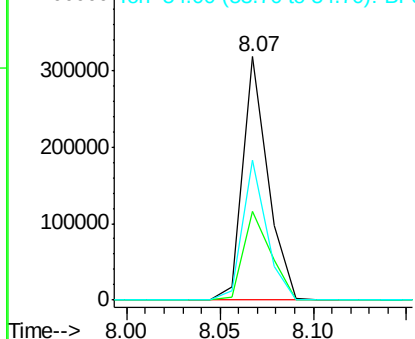
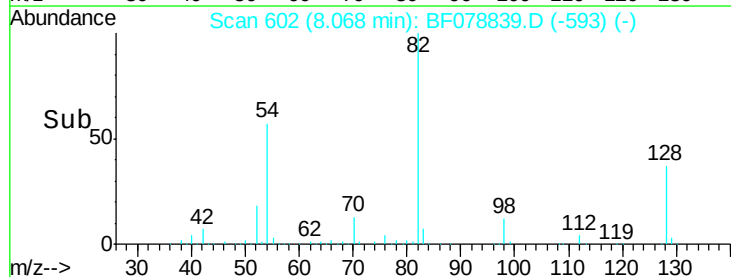


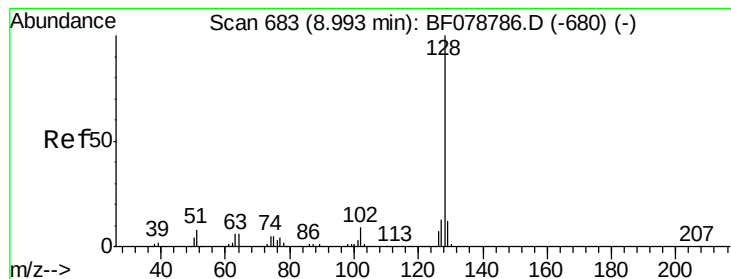
#23
Nitrobenzene-d5
Concen: 64.66 ng
RT: 8.07 min Scan# 602
Delta R.T. 0.00 min
Lab File: BF078839.D
Acq: 30 Apr 2015 5:38

Tgt Ion:	82	Resp:	298905
Ion	Ratio	Lower	Upper
82	100		
128	36.6	30.0	45.0
54	57.4	46.4	69.6



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: 2.23 ng

RT: 8.98 min Scan# 682

Delta R.T. 0.00 min

Lab File: BF078839.D

Acq: 30 Apr 2015 5:38

Instrument :

BNA_F

ClientSampleId :

PS-17-3-5

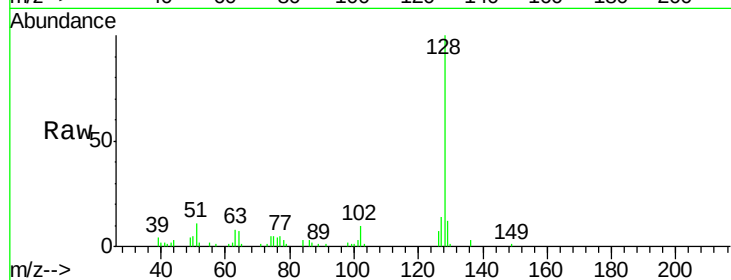
Tgt Ion:128 Resp: 35290

Ion Ratio Lower Upper

128 100

129 12.2 9.3 13.9

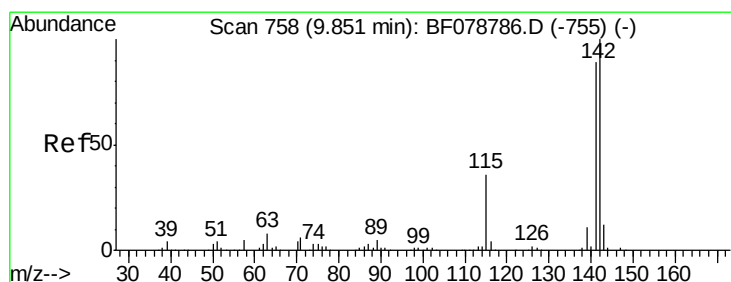
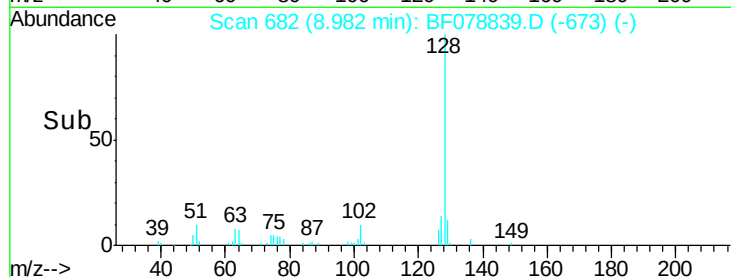
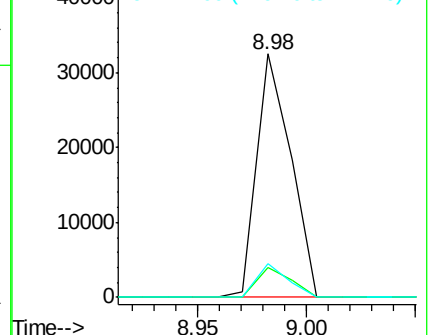
127 14.0 10.7 16.1



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



#37

2-Methylnaphthalene

Concen: 3.98 ng

RT: 9.85 min Scan# 758

Delta R.T. 0.00 min

Lab File: BF078839.D

Acq: 30 Apr 2015 5:38

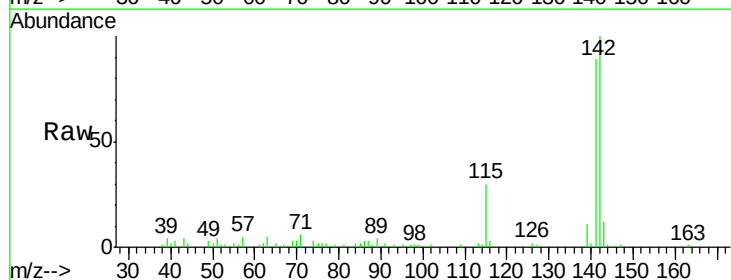
Tgt Ion:142 Resp: 42281

Ion Ratio Lower Upper

142 100

141 88.9 70.9 106.3

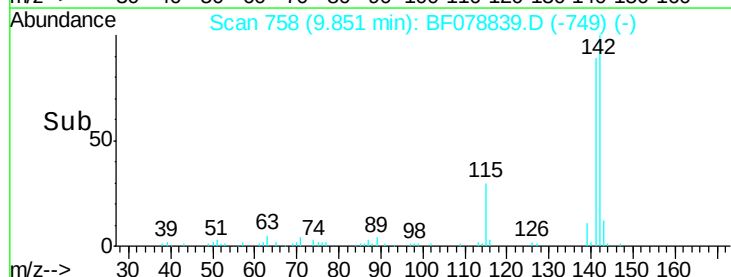
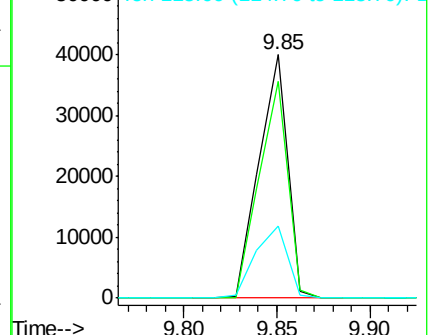
115 29.6 28.5 42.7

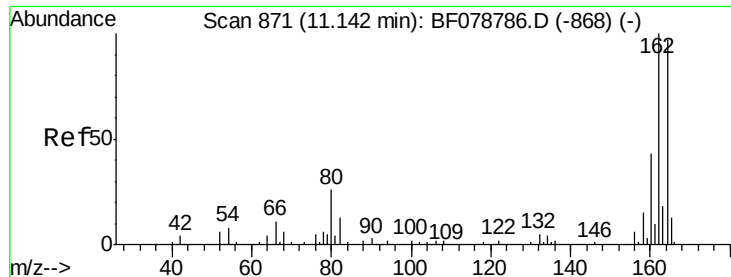


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

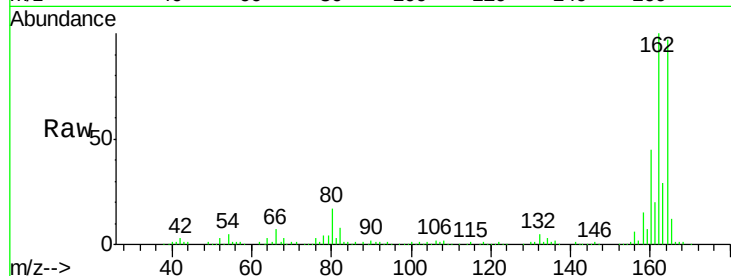




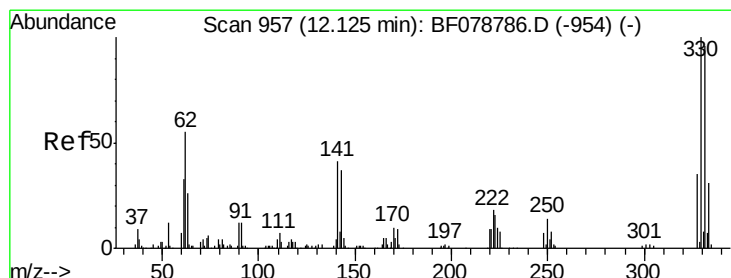
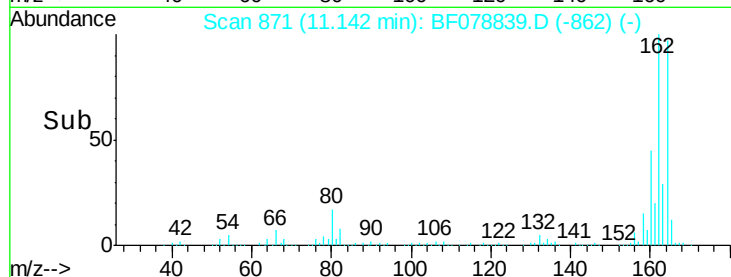
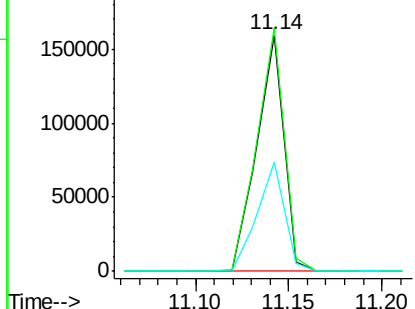
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 11.14 min Scan# 871
 Delta R.T. 0.00 min
 Lab File: BF078839.D
 Acq: 30 Apr 2015 5:38

Instrument :
 BNA_F
 ClientSampleId :
 PS-17-3-5

Tgt Ion:164 Resp: 159755
 Ion Ratio Lower Upper
 164 100
 162 102.9 82.7 124.1
 160 46.4 35.8 53.8

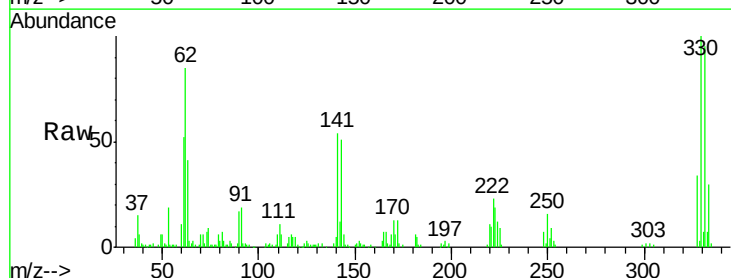


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

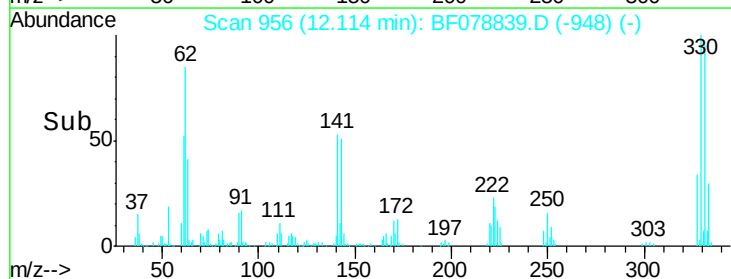
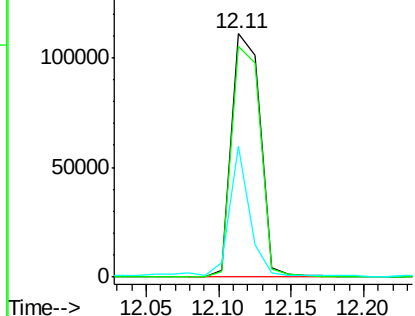


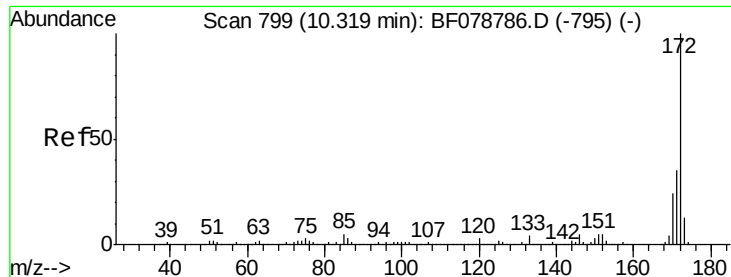
#41
 2,4,6-Tribromophenol
 Concen: 97.32 ng
 RT: 12.11 min Scan# 956
 Delta R.T. -0.01 min
 Lab File: BF078839.D
 Acq: 30 Apr 2015 5:38

Tgt Ion:330 Resp: 152389
 Ion Ratio Lower Upper
 330 100
 332 95.5 0.0 0.0#
 141 37.2 0.0 0.0#



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

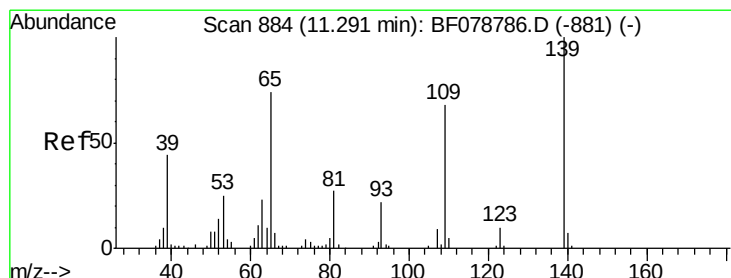
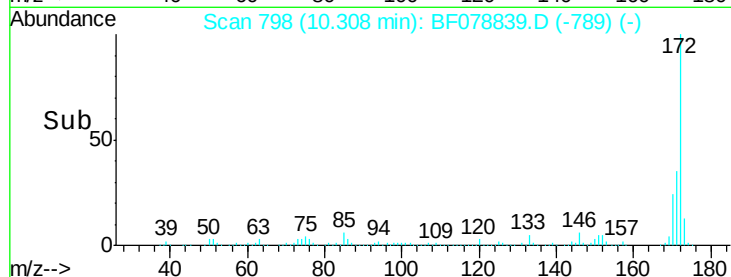
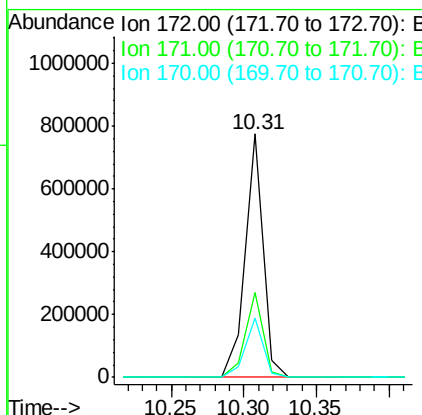
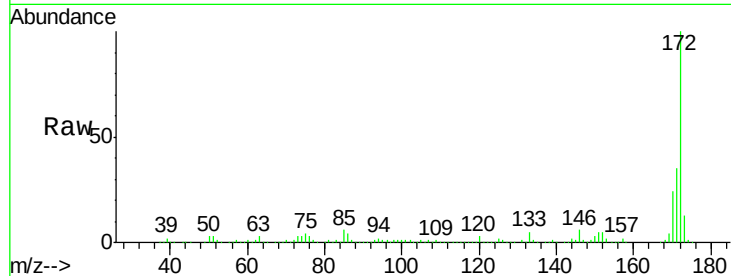




#44
 2-Fluorobiphenyl
 Concen: 57.08 ng
 RT: 10.31 min Scan# 798
 Delta R.T. 0.00 min
 Lab File: BF078839.D
 Acq: 30 Apr 2015 5:38

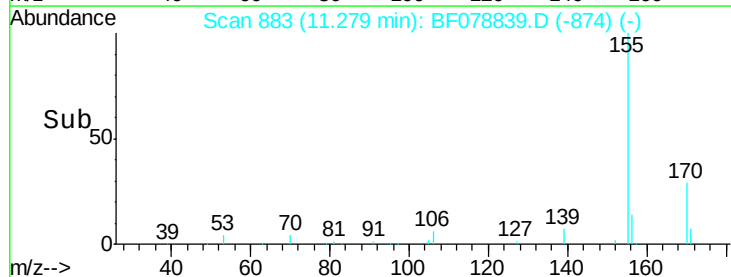
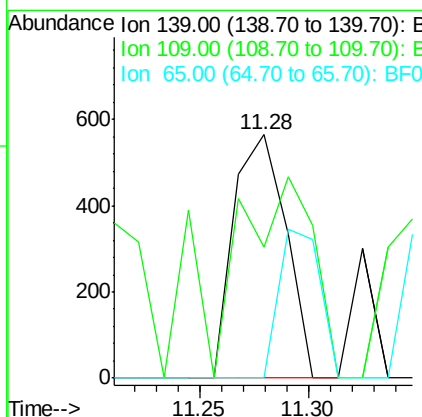
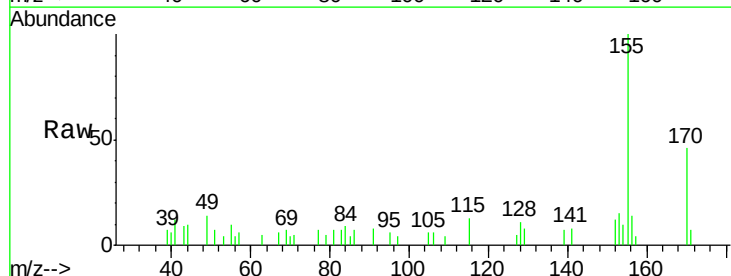
Instrument :
 BNA_F
 ClientSampleId :
 PS-17-3-5

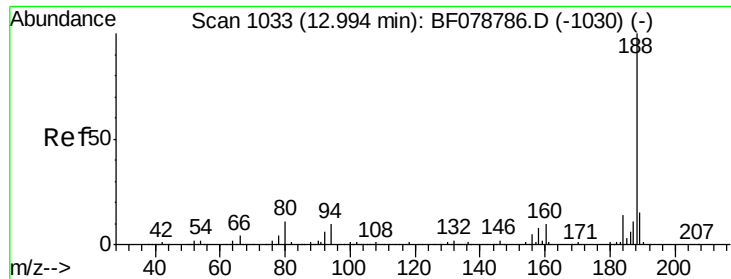
Tgt Ion:172 Resp: 665856
 Ion Ratio Lower Upper
 172 100
 171 35.0 27.9 41.9
 170 24.1 19.4 29.0



#55
 4-Nitrophenol
 Concen: 6.99 ng
 RT: 11.28 min Scan# 883
 Delta R.T. 0.00 min
 Lab File: BF078839.D
 Acq: 30 Apr 2015 5:38

Tgt Ion:139 Resp: 941
 Ion Ratio Lower Upper
 139 100
 109 53.6 47.6 87.6
 65 0.0 54.3 94.3#

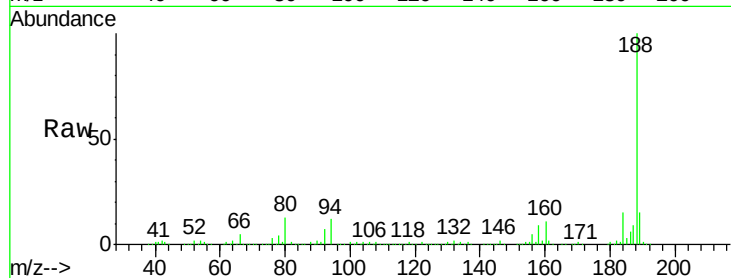




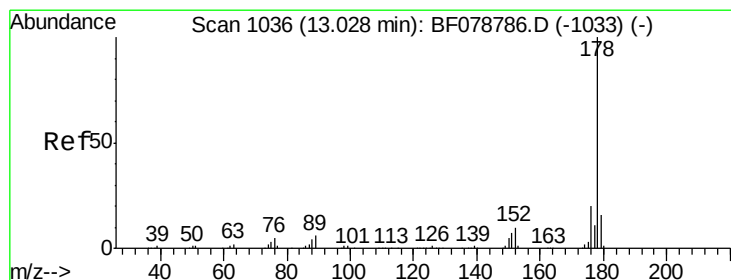
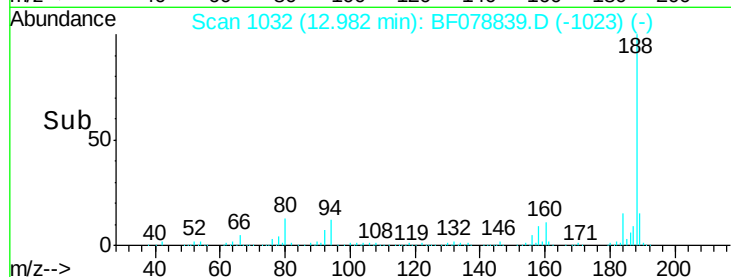
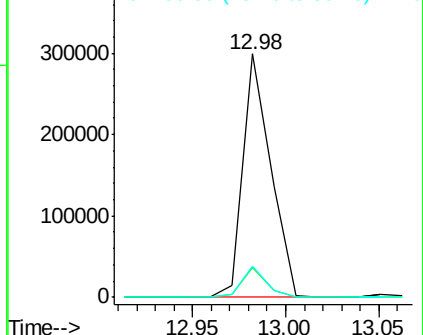
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.98 min Scan# 1032
Delta R.T. 0.00 min
Lab File: BF078839.D
Acq: 30 Apr 2015 5:38

Instrument :
BNA_F
ClientSampleId :
PS-17-3-5

Tgt Ion:188 Resp: 311350
Ion Ratio Lower Upper
188 100
94 12.2 8.2 12.2
80 12.7 8.9 13.3

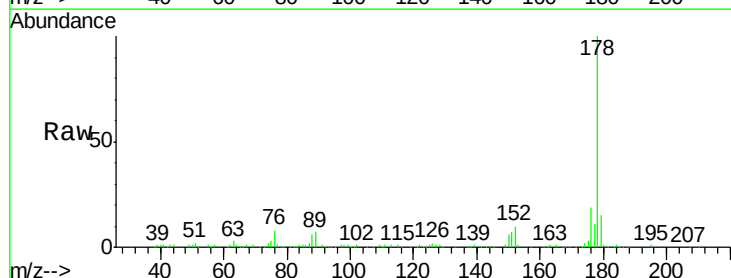


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

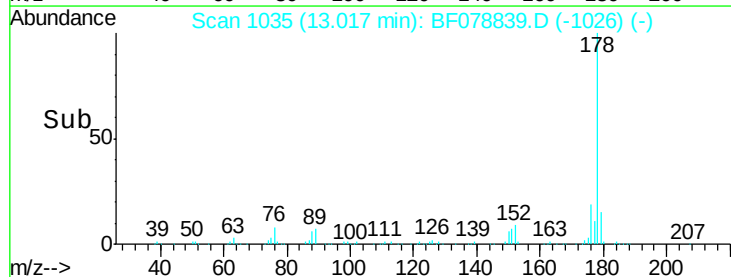
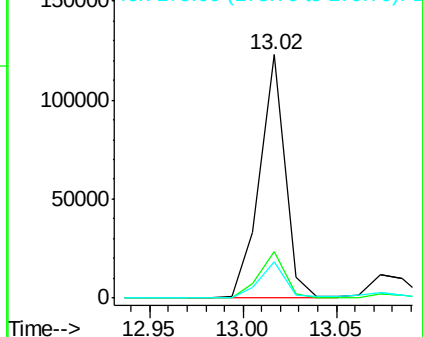


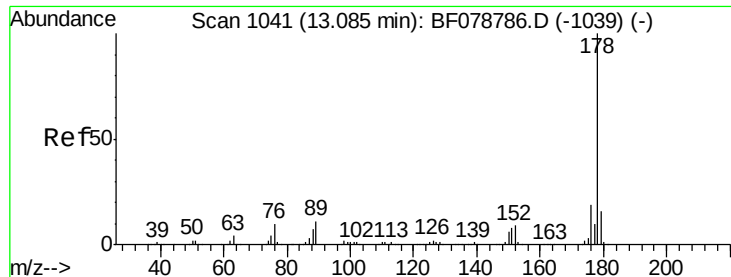
#70
Phenanthrene
Concen: 6.88 ng
RT: 13.02 min Scan# 1035
Delta R.T. 0.00 min
Lab File: BF078839.D
Acq: 30 Apr 2015 5:38

Tgt Ion:178 Resp: 116061
Ion Ratio Lower Upper
178 100
176 18.8 15.8 23.8
179 15.1 12.5 18.7



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: 5.51 ng

RT: 13.02 min Scan# 1035

Delta R.T. -0.07 min

Lab File: BF078839.D

Acq: 30 Apr 2015 5:38

Instrument :

BNA_F

ClientSampleId :

PS-17-3-5

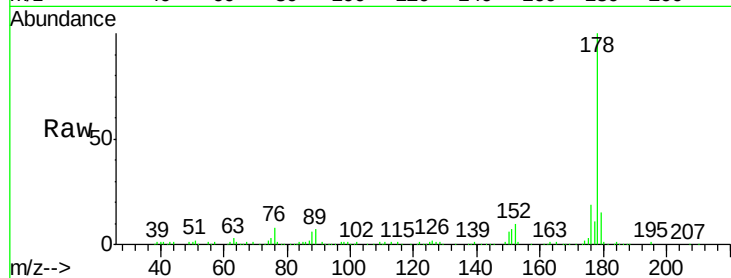
Tgt Ion:178 Resp: 90796

Ion Ratio Lower Upper

178 100

176 18.8 15.5 23.3

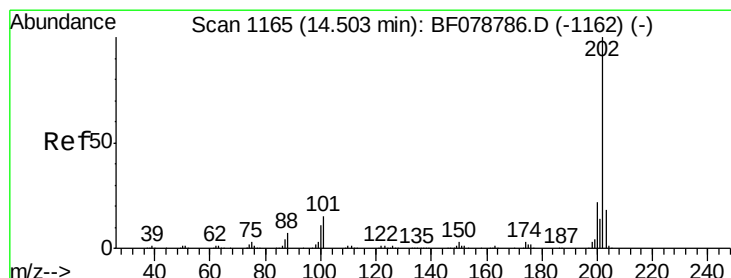
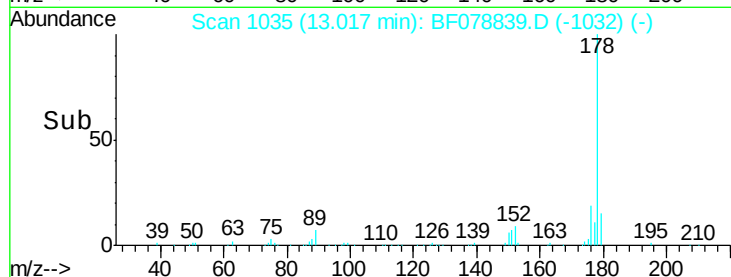
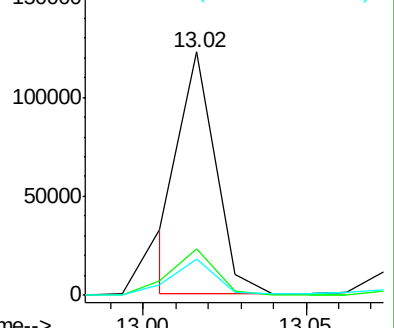
179 15.1 12.7 19.1



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 4.40 ng

RT: 14.49 min Scan# 1164

Delta R.T. 0.00 min

Lab File: BF078839.D

Acq: 30 Apr 2015 5:38

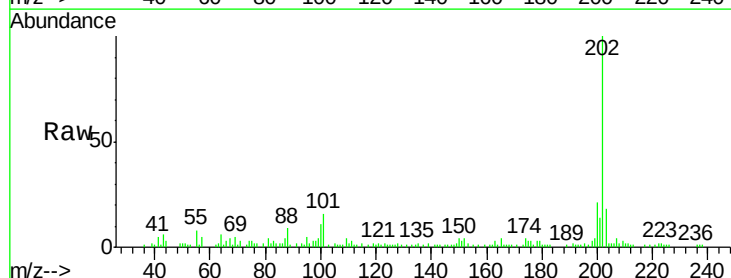
Tgt Ion:202 Resp: 73930

Ion Ratio Lower Upper

202 100

101 16.0 0.0 34.6

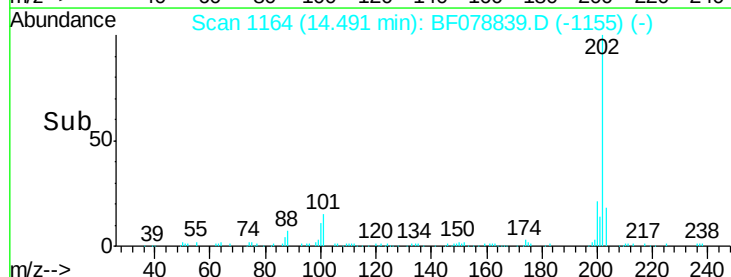
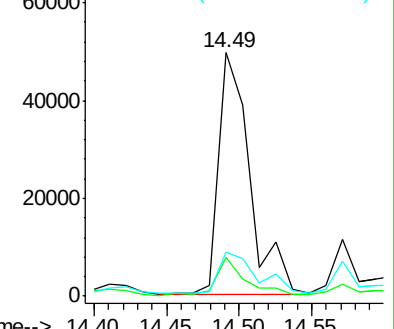
203 18.3 0.0 38.4

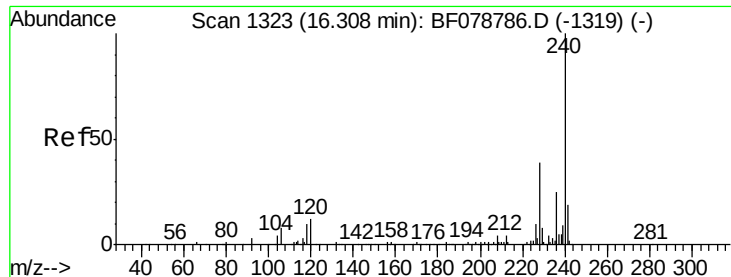


Abundance Ion 202.00 (201.70 to 202.70): E

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: 16.29 min Scan# 1321

Delta R.T. 0.00 min

Lab File: BF078839.D

Acq: 30 Apr 2015 5:38

Instrument :

BNA_F

ClientSampleId :

PS-17-3-5

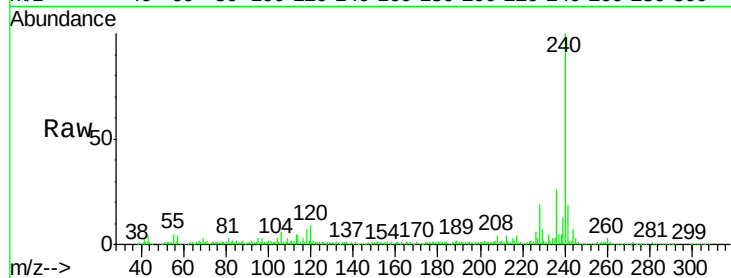
Tgt Ion:240 Resp: 337558

Ion Ratio Lower Upper

240 100

120 8.7 9.7 14.5#

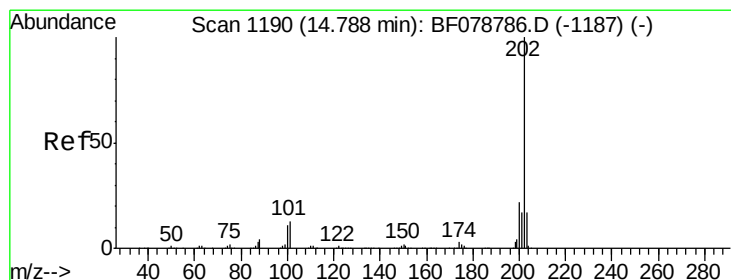
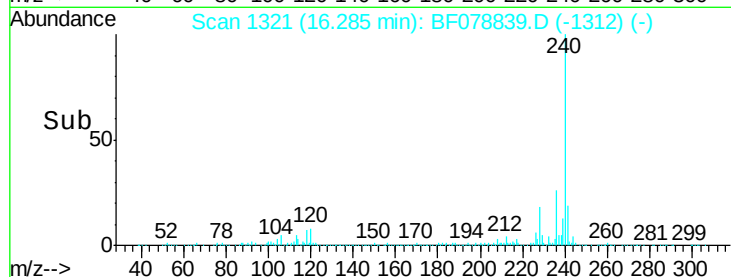
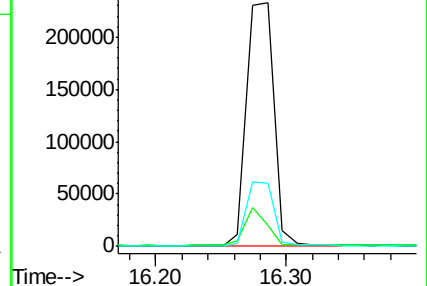
236 25.9 20.2 30.4



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: 3.70 ng

RT: 14.78 min Scan# 1189

Delta R.T. 0.00 min

Lab File: BF078839.D

Acq: 30 Apr 2015 5:38

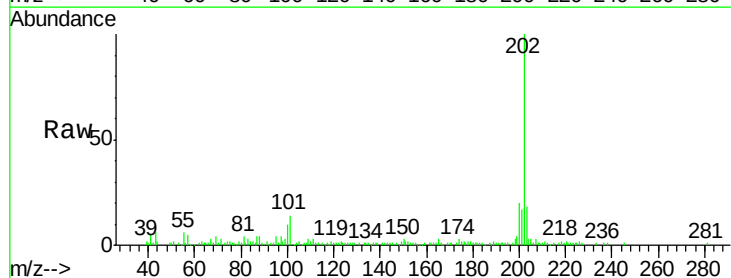
Tgt Ion:202 Resp: 72957

Ion Ratio Lower Upper

202 100

200 19.7 17.5 26.3

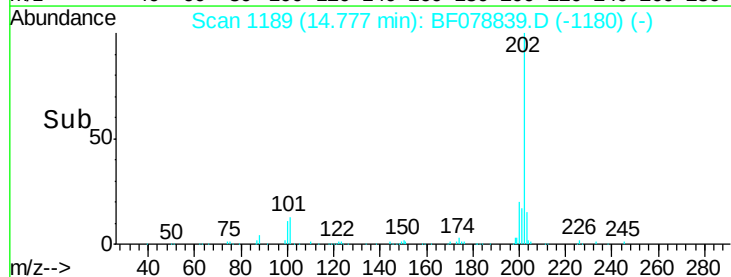
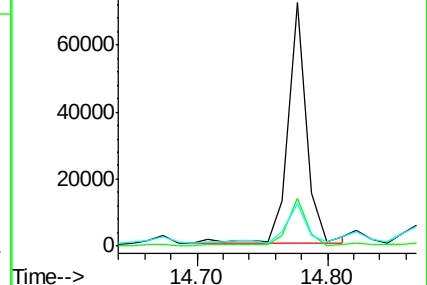
203 17.8 13.9 20.9

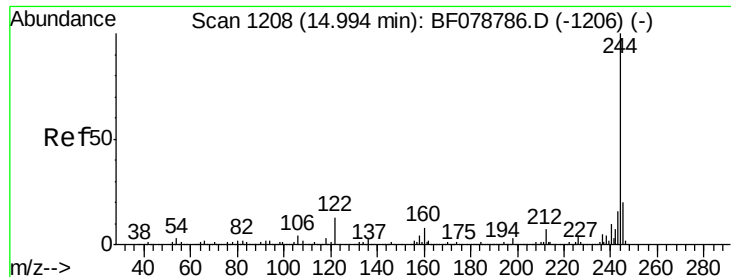


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 53.19 ng

RT: 14.98 min Scan# 1207

Delta R.T. 0.00 min

Lab File: BF078839.D

Acq: 30 Apr 2015 5:38

Instrument :

BNA_F

ClientSampleId :

PS-17-3-5

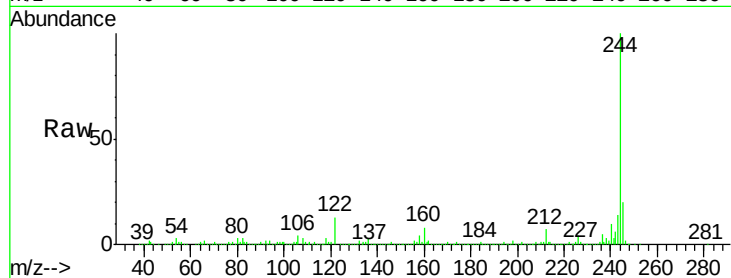
Tgt Ion:244 Resp: 753860

Ion Ratio Lower Upper

244 100

212 7.0 5.6 8.4

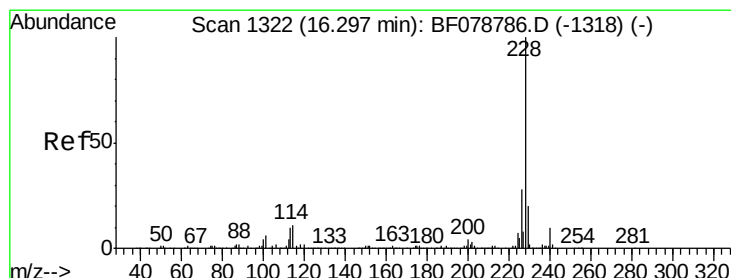
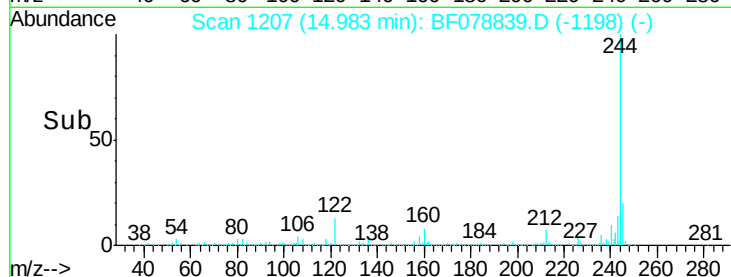
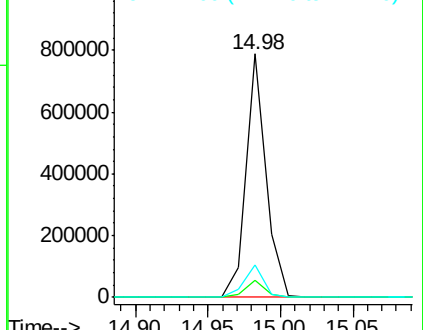
122 13.2 10.3 15.5



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 13.11 ng

RT: 16.30 min Scan# 1322

Delta R.T. 0.02 min

Lab File: BF078839.D

Acq: 30 Apr 2015 5:38

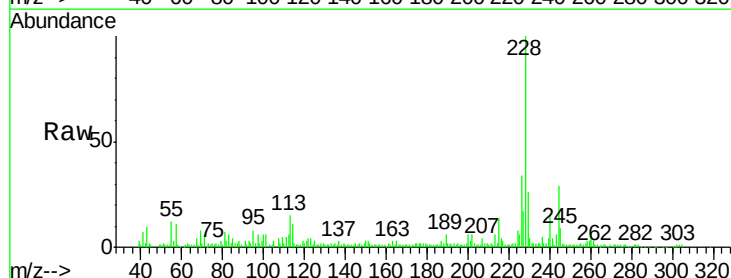
Tgt Ion:228 Resp: 237392

Ion Ratio Lower Upper

228 100

226 34.1 22.6 33.8#

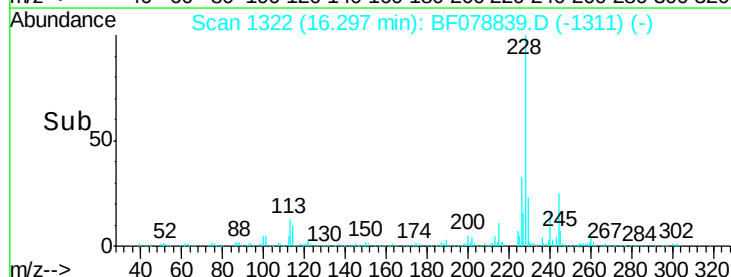
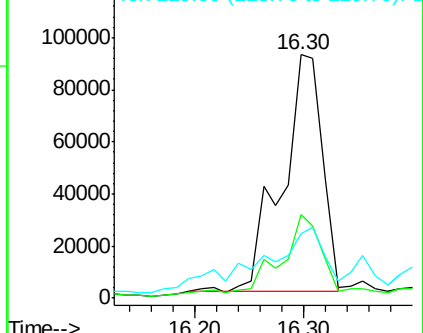
229 26.3 15.9 23.9#

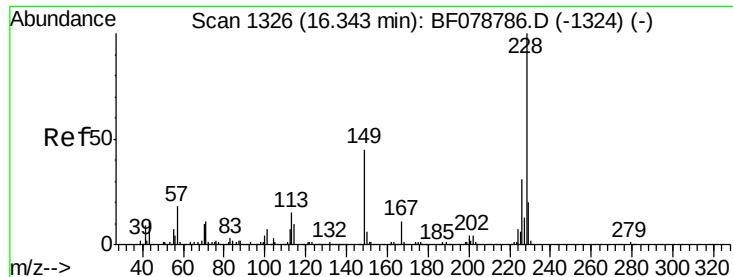


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 12.74 ng

RT: 16.30 min Scan# 1322

Delta R.T. -0.02 min

Lab File: BF078839.D

Acq: 30 Apr 2015 5:38

Instrument :

BNA_F

ClientSampleId :

PS-17-3-5

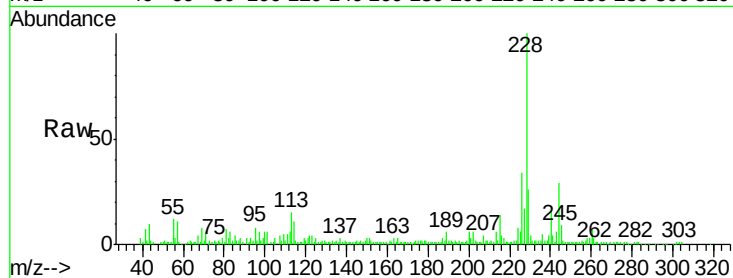
Tgt Ion:228 Resp: 224843

Ion Ratio Lower Upper

228 100

226 34.1 24.9 37.3

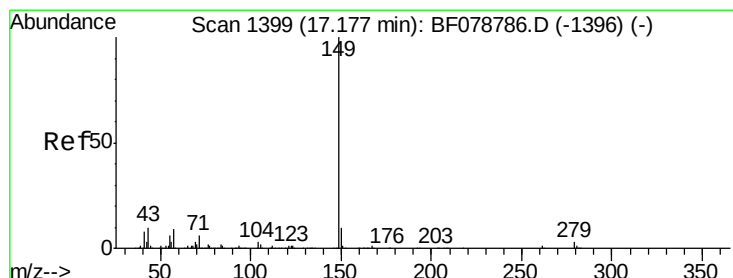
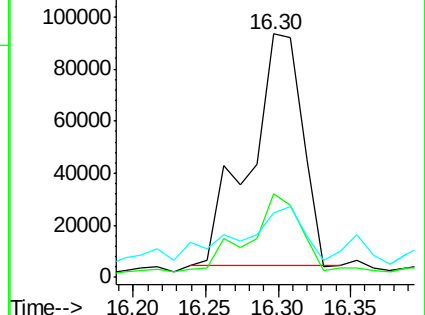
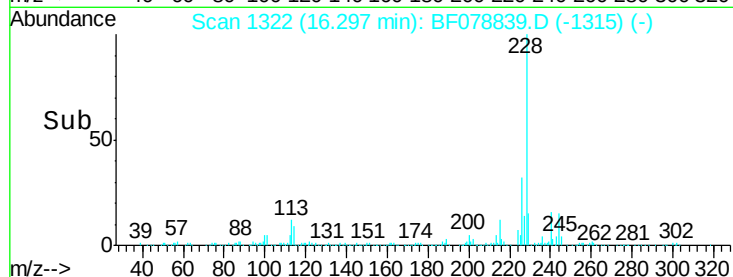
229 26.3 16.0 24.0#



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



#84

Di-n-octyl phthalate

Concen: 7.00 ng

RT: 17.07 min Scan# 1390

Delta R.T. -0.03 min

Lab File: BF078839.D

Acq: 30 Apr 2015 5:38

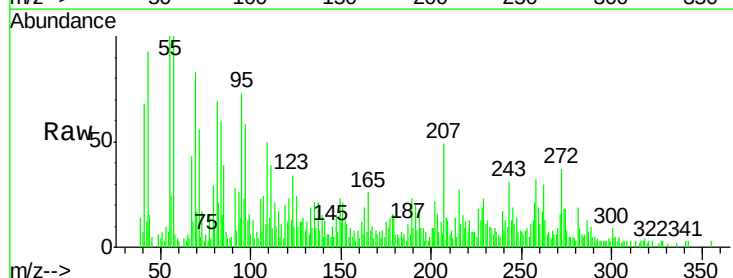
Tgt Ion:149 Resp: 1248

Ion Ratio Lower Upper

149 100

167 84.1 0.0 0.0#

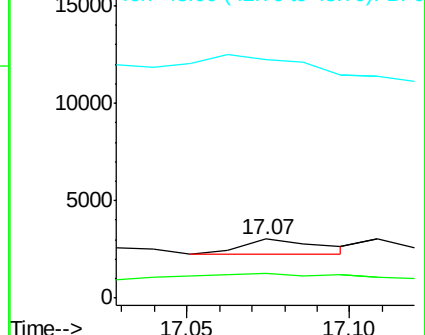
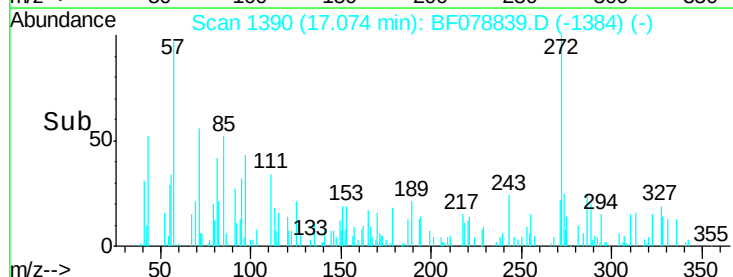
43 351.7 0.0 0.0#

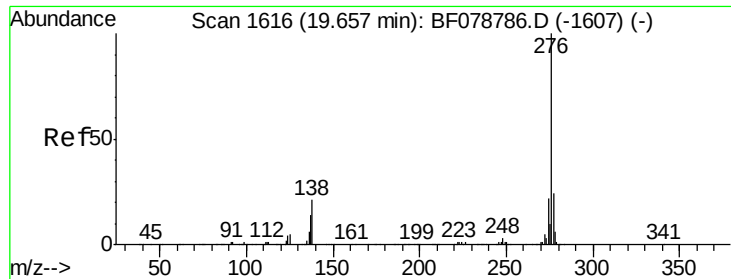


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0

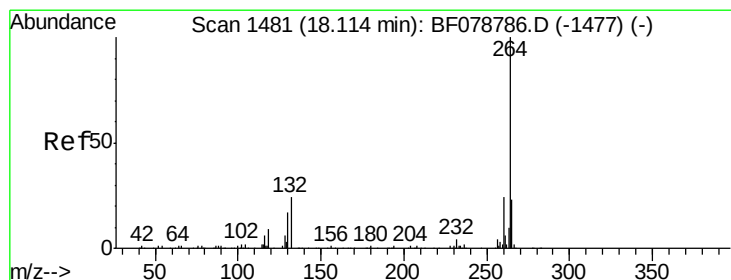
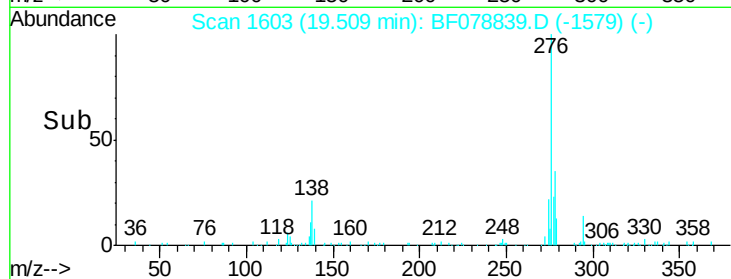
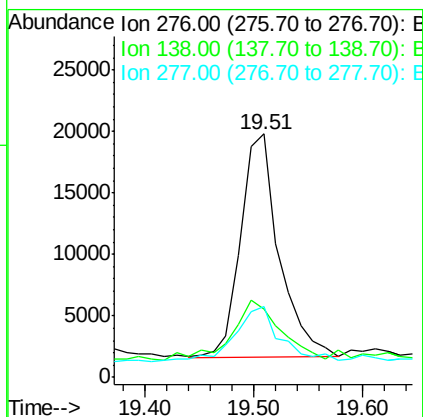
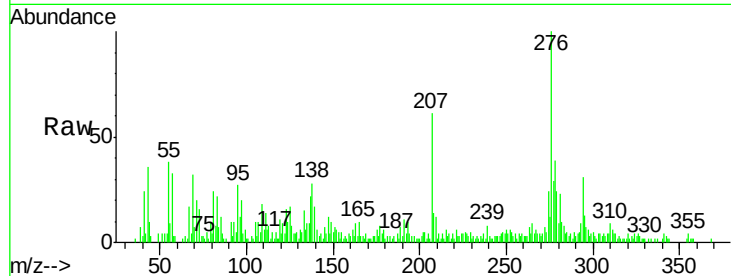




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.22 ng
 RT: 19.51 min Scan# 1603
 Delta R.T. -0.02 min
 Lab File: BF078839.D
 Acq: 30 Apr 2015 5:38

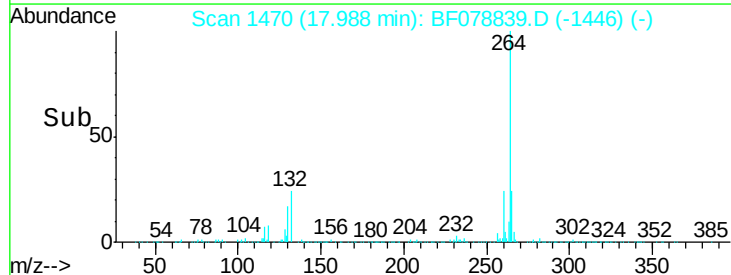
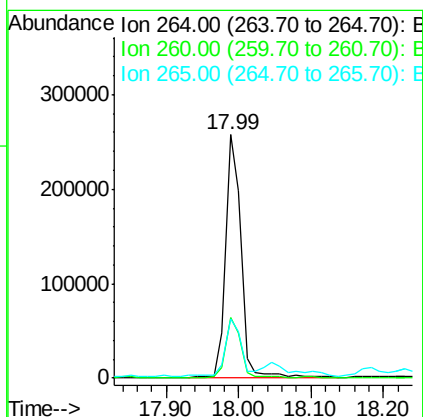
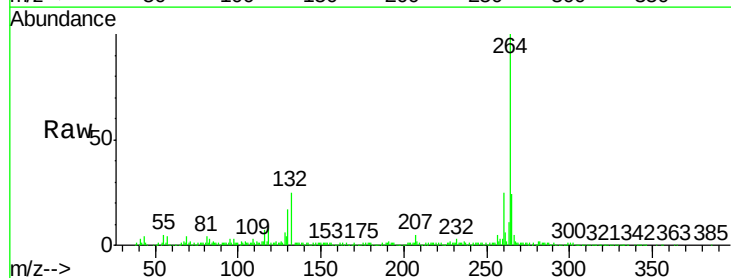
Instrument :
 BNA_F
 ClientSampleId :
 PS-17-3-5

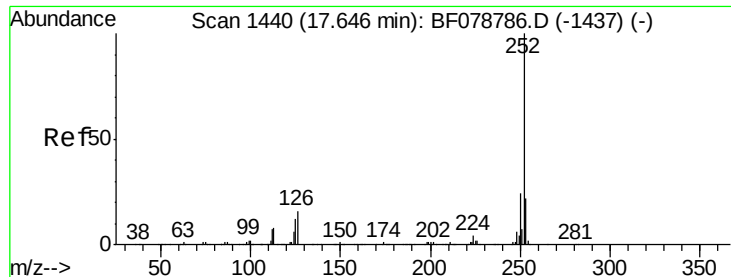
Tgt Ion	Ratio	Lower	Upper
276	100		
138	34.0	0.0	0.0#
277	29.4	0.0	0.0#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 17.99 min Scan# 1470
 Delta R.T. -0.02 min
 Lab File: BF078839.D
 Acq: 30 Apr 2015 5:38

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.4	29.2
265	24.2	18.3	27.5

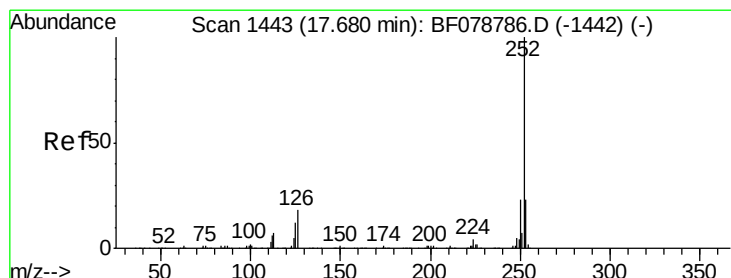
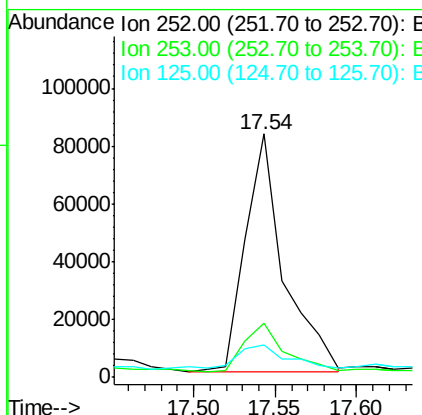
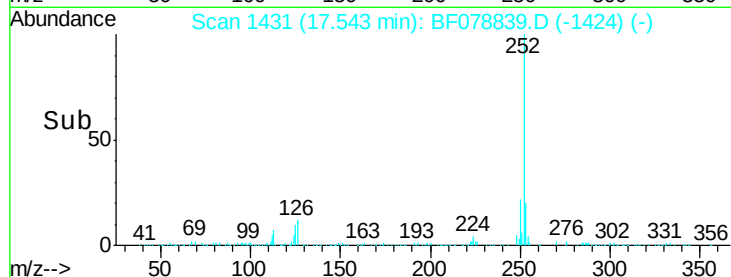
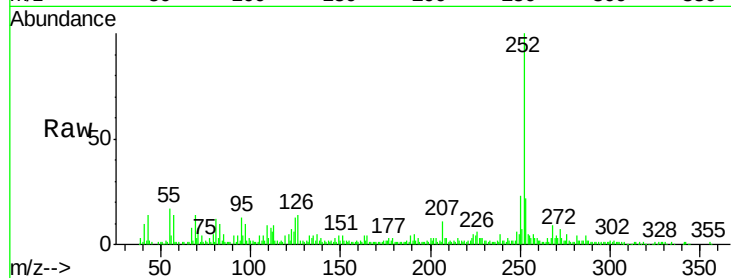




#87
Benzo(b)fluoranthene
Concen: 6.65 ng
RT: 17.54 min Scan# 1431
Delta R.T. -0.02 min
Lab File: BF078839.D
Acq: 30 Apr 2015 5:38

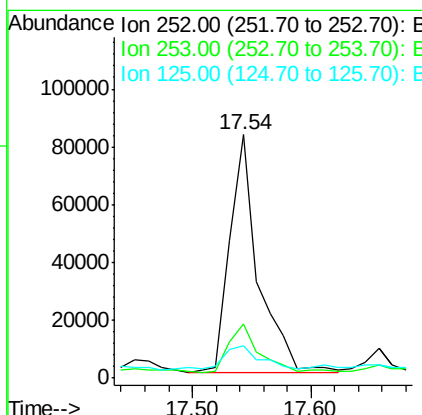
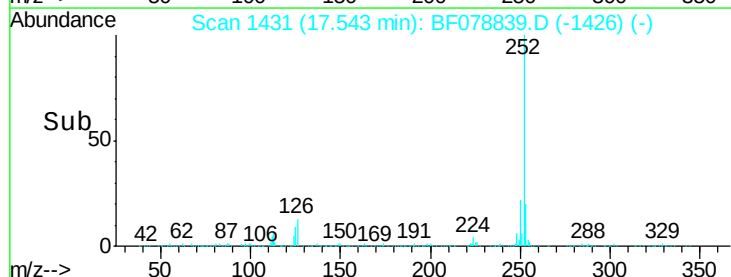
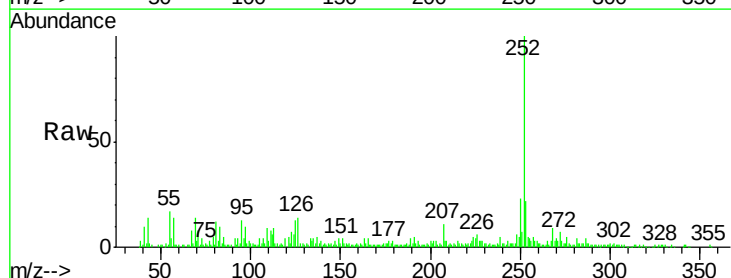
Instrument :
BNA_F
ClientSampleId :
PS-17-3-5

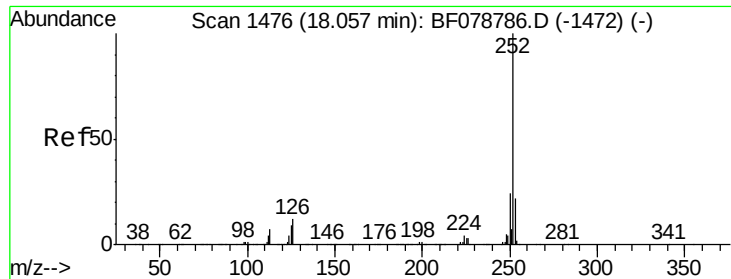
Tgt Ion:252 Resp: 134370
Ion Ratio Lower Upper
252 100
253 22.5 17.7 26.5
125 13.3 9.5 14.3



#88
Benzo(k)fluoranthene
Concen: 7.00 ng
RT: 17.54 min Scan# 1431
Delta R.T. -0.05 min
Lab File: BF078839.D
Acq: 30 Apr 2015 5:38

Tgt Ion:252 Resp: 137005
Ion Ratio Lower Upper
252 100
253 22.5 18.1 27.1
125 13.3 10.0 15.0





#89

Benzo(a)pyrene

Concen: 2.39 ng

RT: 17.92 min Scan# 1464

Delta R.T. -0.02 min

Lab File: BF078839.D

Acq: 30 Apr 2015 5:38

Instrument :

BNA_F

ClientSampleId :

PS-17-3-5

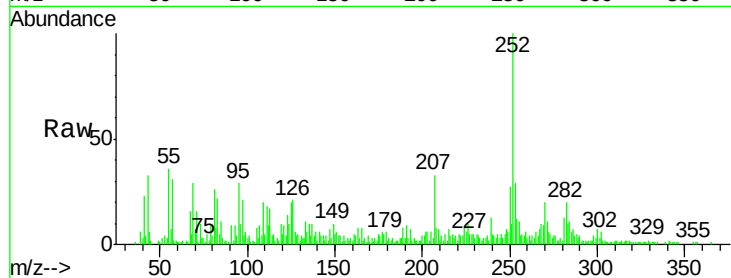
Tgt Ion:252 Resp: 43148

Ion Ratio Lower Upper

252 100

253 28.6 17.3 25.9#

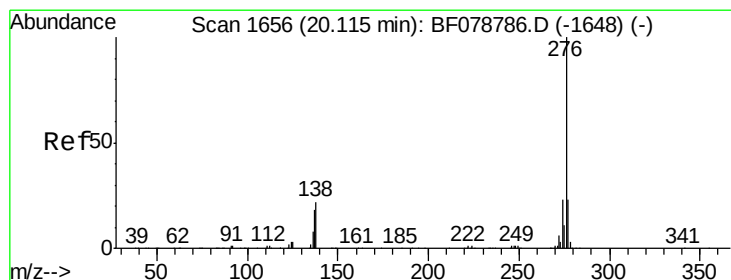
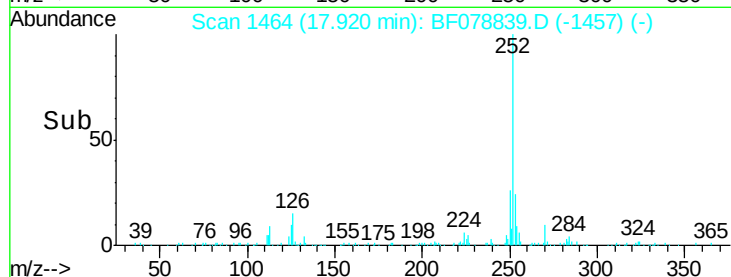
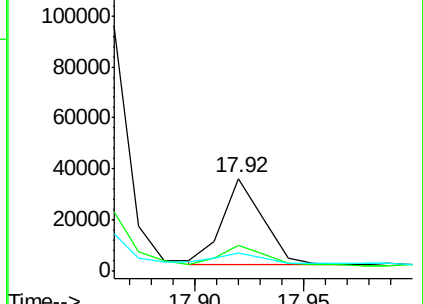
125 20.4 7.0 10.6#



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: 3.18 ng

RT: 19.95 min Scan# 1642

Delta R.T. -0.03 min

Lab File: BF078839.D

Acq: 30 Apr 2015 5:38

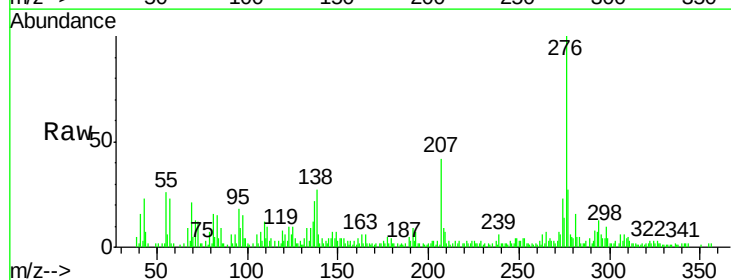
Tgt Ion:276 Resp: 59807

Ion Ratio Lower Upper

276 100

277 26.7 18.6 28.0

138 27.3 17.4 26.0#



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

