

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042915\
 Data File : BF078839.D
 Acq On : 30 Apr 2015 5:38
 Operator : TP/IZ
 Sample : G2021-04
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

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

Quant Time: Apr 30 07:24:11 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

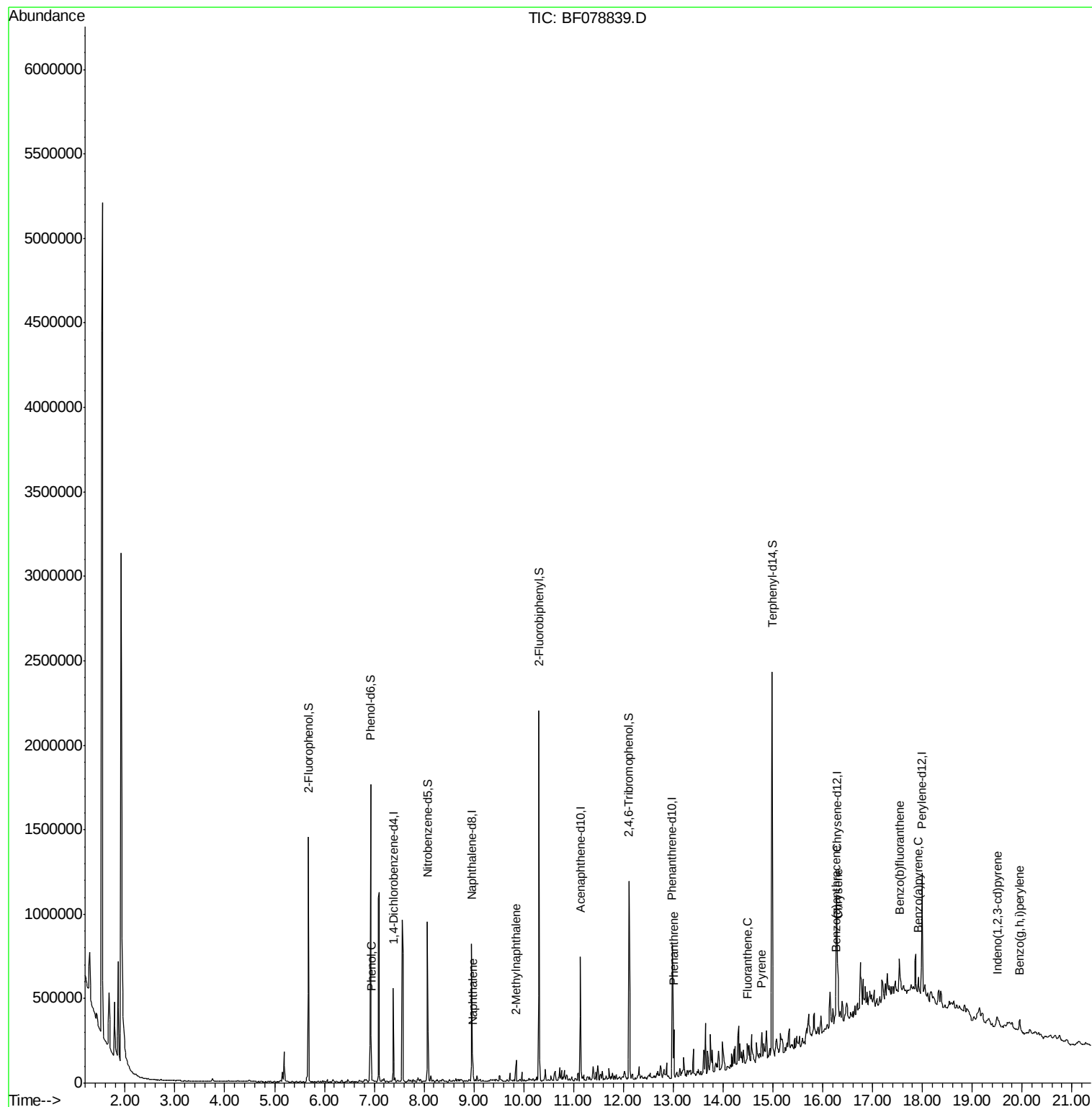
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.94	94	19922	2.90	ng	# 71
31) Naphthalene	8.98	128	35290	2.23	ng	98
37) 2-Methylnaphthalene	9.85	142	42281	3.98	ng	97
70) Phenanthrene	13.02	178	116061	6.88	ng	98
74) Fluoranthene	14.49	202	73930	4.40	ng	98
77) Pyrene	14.78	202	72957	3.70	ng	97
80) Benzo(a)anthracene	16.26	228	56781m	3.14	ng	
82) Chrysene	16.30	228	179048m	10.14	ng	
85) Indeno(1,2,3-cd)pyrene	19.51	276	44483	2.22	ng	# 100
87) Benzo(b)fluoranthene	17.54	252	108757m	5.38	ng	
89) Benzo(a)pyrene	17.92	252	43148	2.39	ng	# 80
91) Benzo(a,h,i)perylene	19.95	276	59807	3.18	ng	# 91

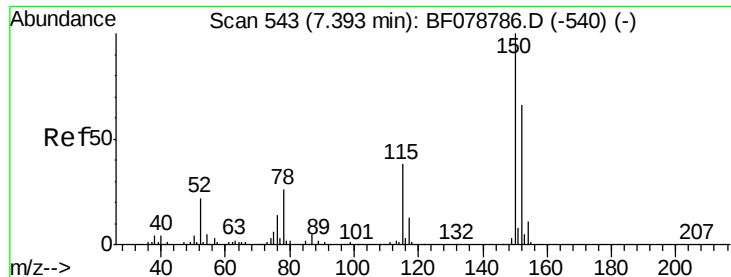
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

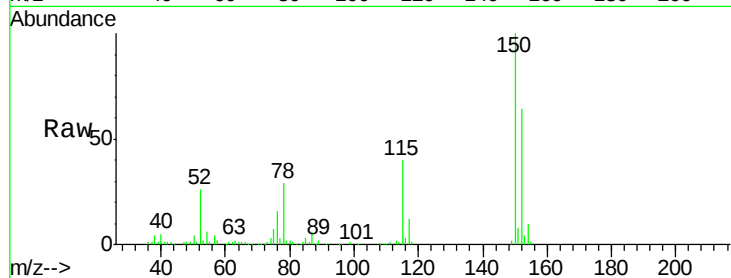
Tot Ion:152 Resp: 79848

Ion Ratio Lower Upper

152 100

150 156.3 122.0 183.0

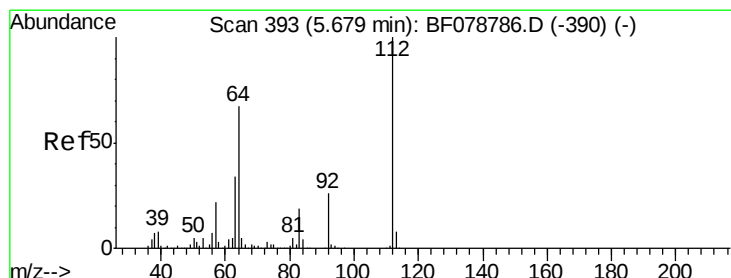
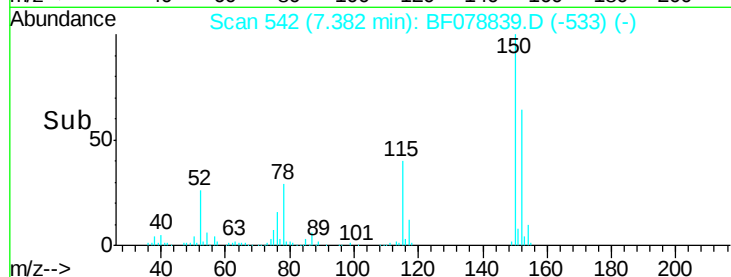
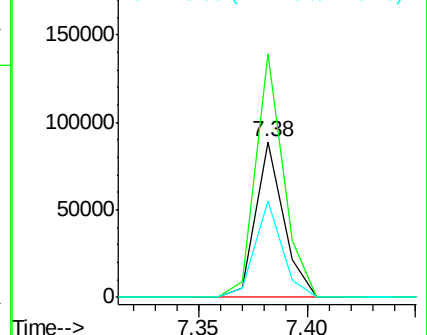
115 61.8 46.3 69.5



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

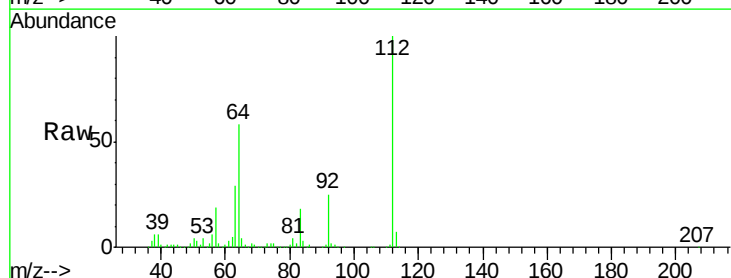
Tgt Ion:112 Resp: 415383

Ion Ratio Lower Upper

112 100

64 57.9 53.5 80.3

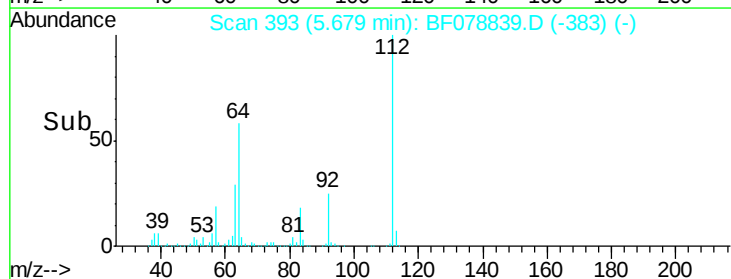
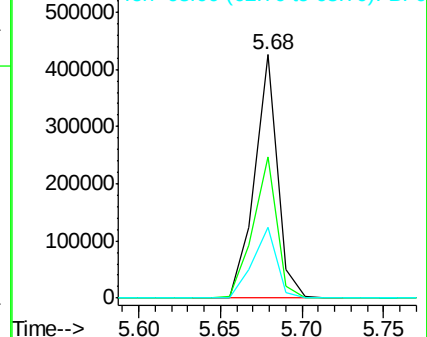
63 29.3 27.5 41.3

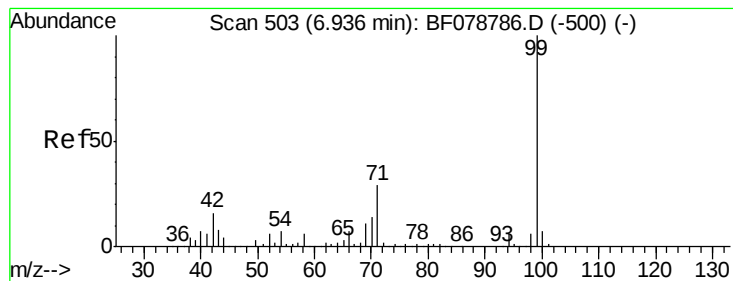


Abundance Ion 112.00 (111.70 to 112.70): E

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

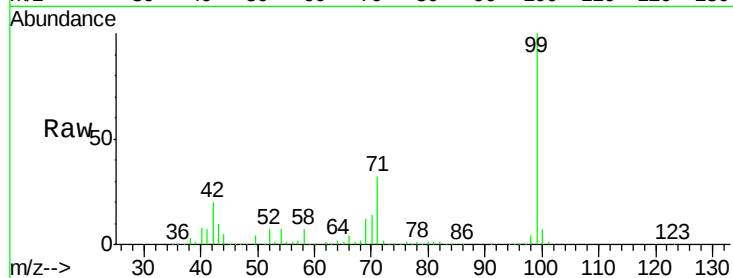
Tot Ion: 99 Resp: 549318

Ion Ratio Lower Upper

99 100

42 19.9 12.8 19.2#

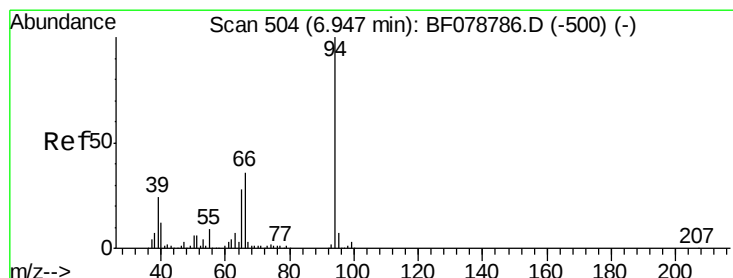
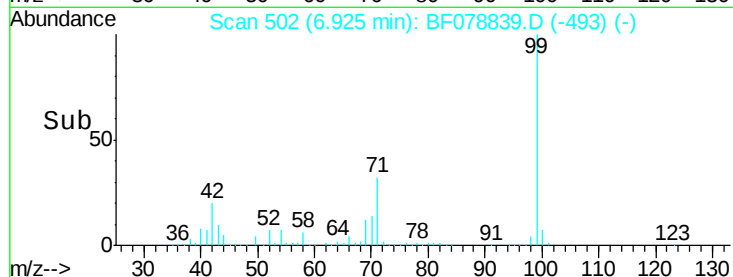
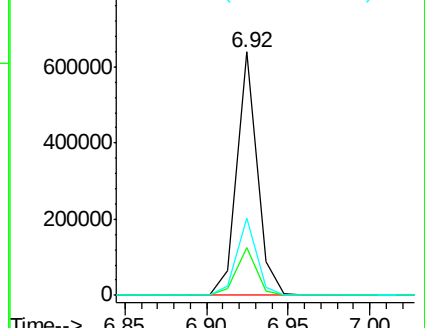
71 31.6 23.4 35.2



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

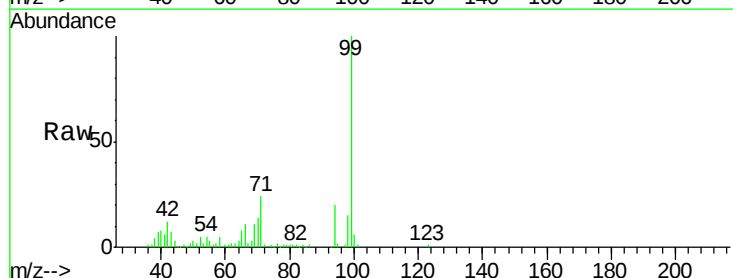
Tgt Ion: 94 Resp: 19922

Ion Ratio Lower Upper

94 100

65 38.7 8.5 48.5

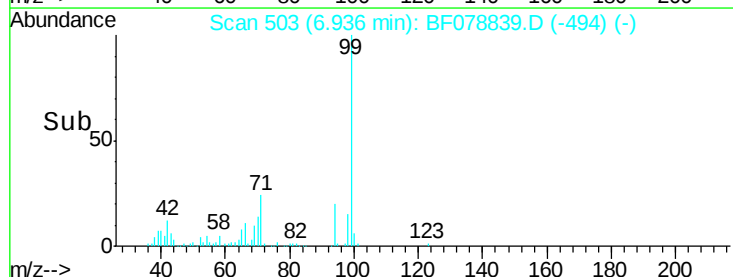
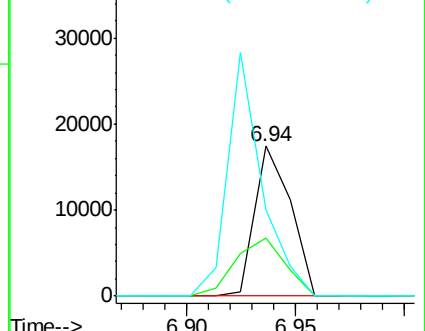
66 57.9 16.0 56.0#

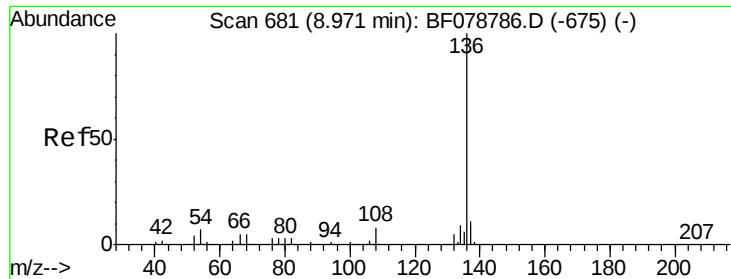


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

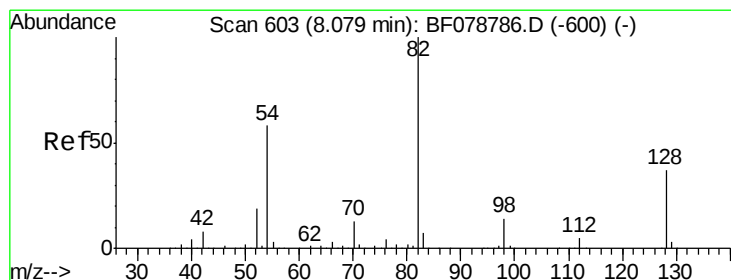
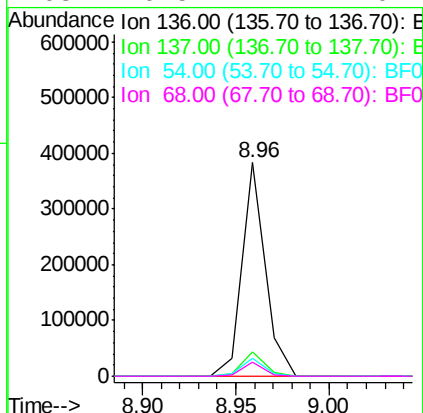
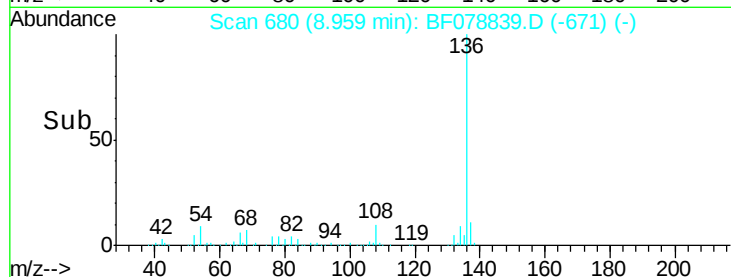
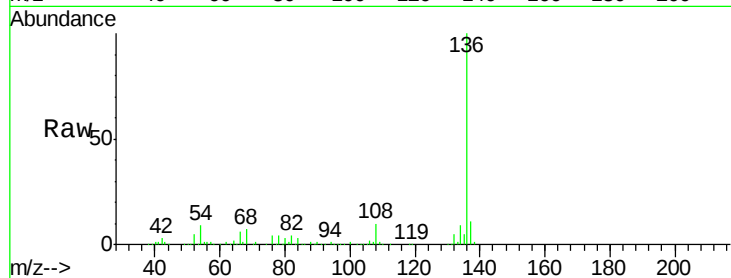




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.96 min Scan# 680
Delta R.T. 0.00 min
Lab File: BF078839.D
Acq: 30 Apr 2015 5:38

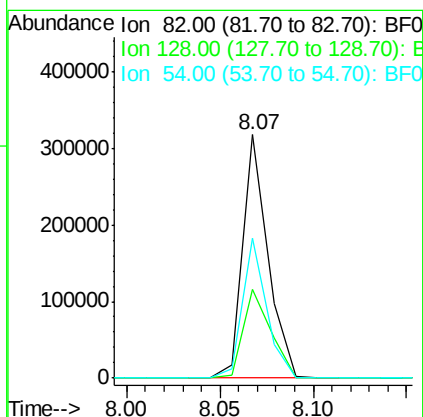
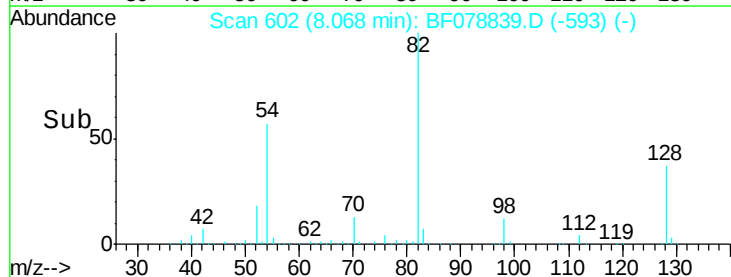
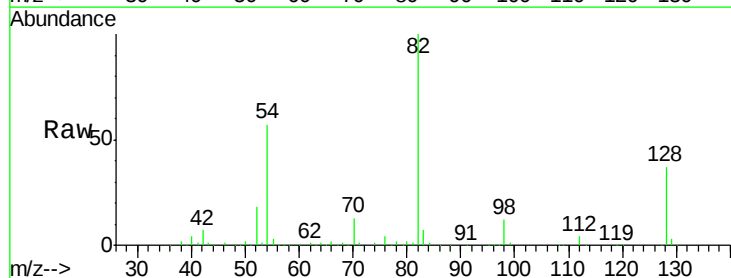
Instrument :
BNA_F
ClientSampleId :
PS-17-3-5

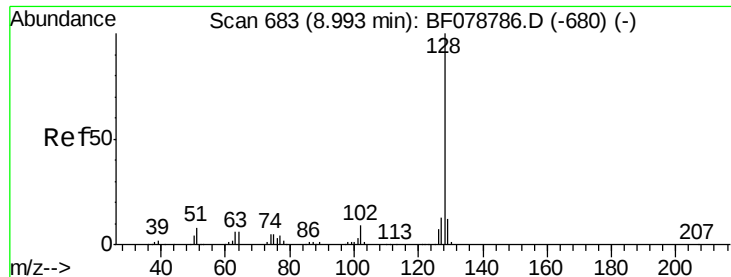
Tot Ion:136	Resp:	332812
Ion Ratio	Lower	Upper
136	100	
137	11.4	8.7 13.1
54	8.6	5.8 8.8
68	6.5	4.2 6.4#



#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

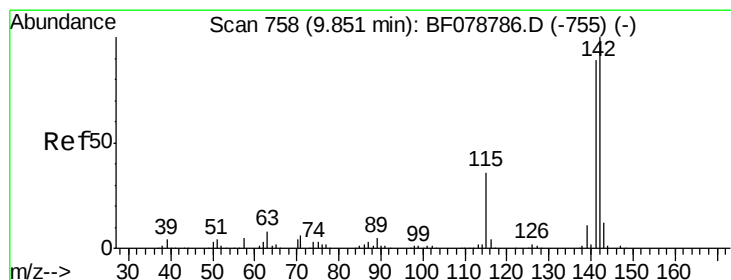
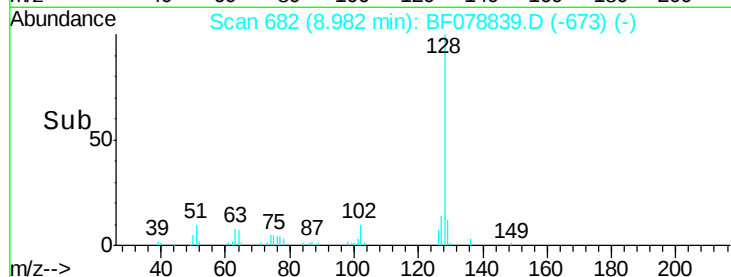
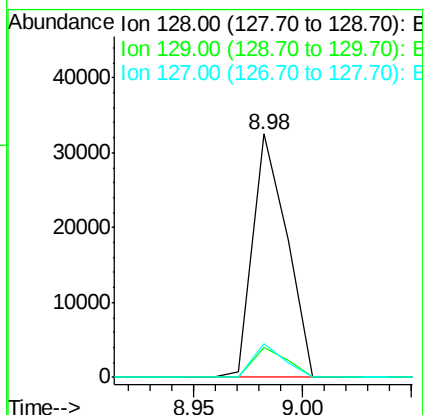
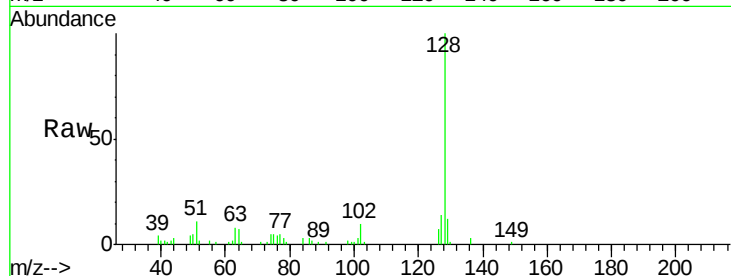




#31
Naphthalene
Concen: 2.23 ng
RT: 8.98 min Scan# 682
Delta R.T. 0.00 min
Lab File: BF078839.D
Acq: 30 Apr 2015 5:38

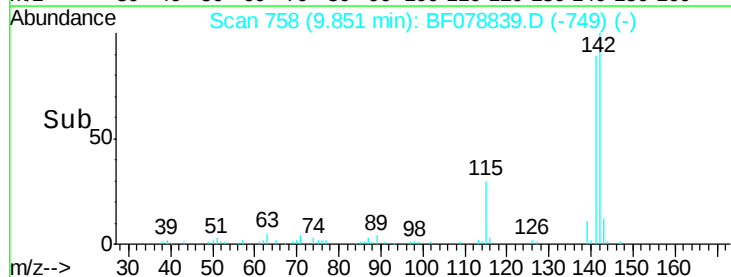
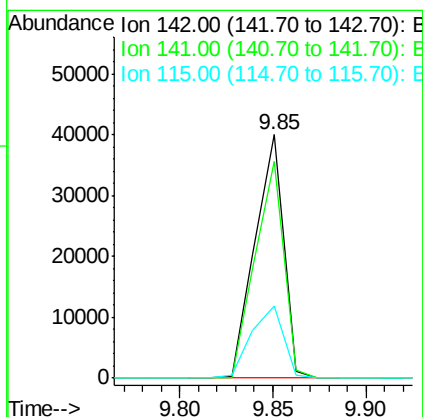
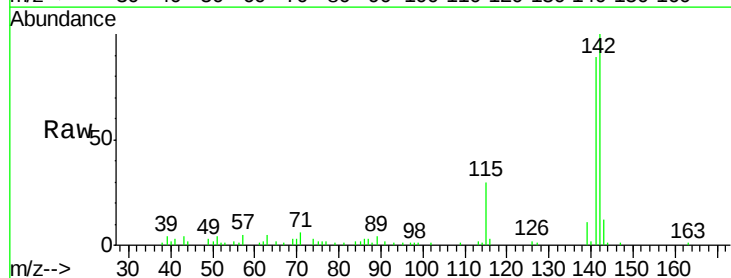
Instrument :
BNA_F
ClientSampleId :
PS-17-3-5

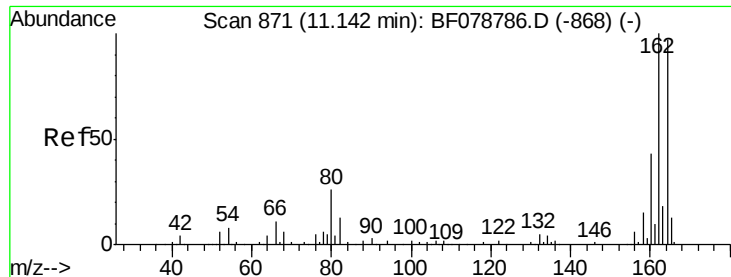
Tot Ion:128 Resp: 35290
Ion Ratio Lower Upper
128 100
129 12.2 9.3 13.9
127 14.0 10.7 16.1



#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





#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

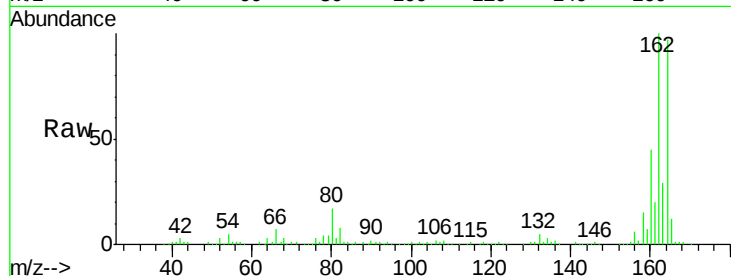
Tot Ion:164 Resp: 159755

Ion Ratio Lower Upper

164 100

162 102.9 82.7 124.1

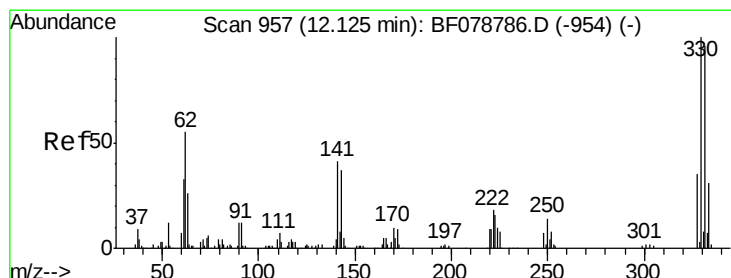
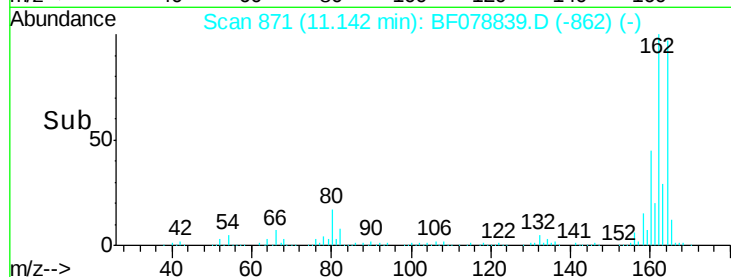
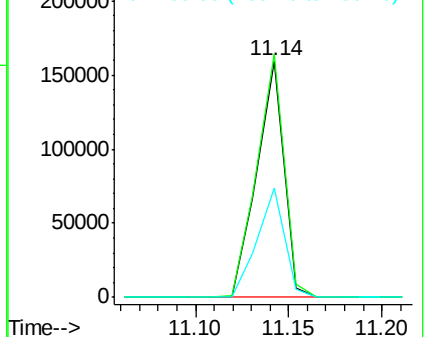
160 46.4 35.8 53.8



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

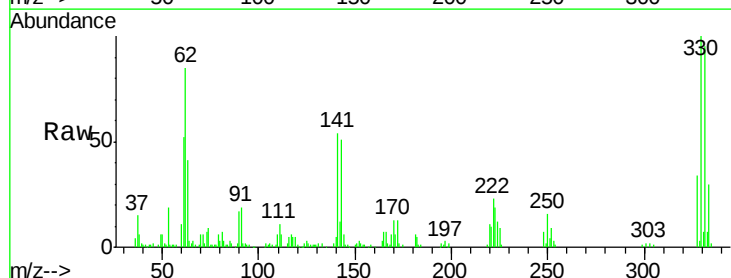
Tgt Ion:330 Resp: 152389

Ion Ratio Lower Upper

330 100

332 95.5 0.0 0.0#

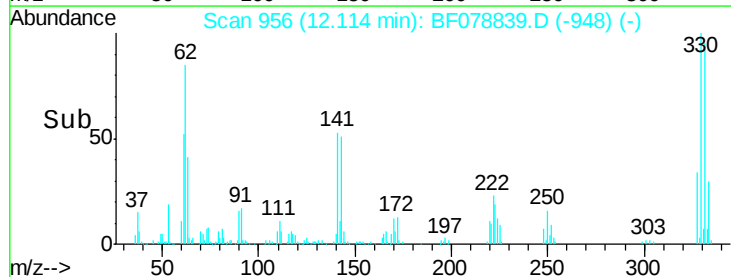
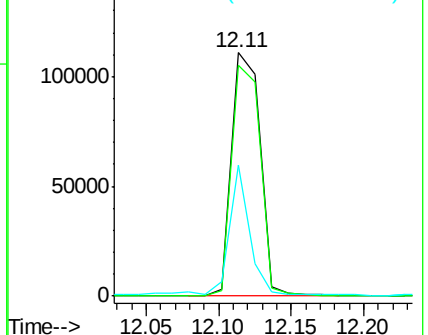
141 37.2 0.0 0.0#

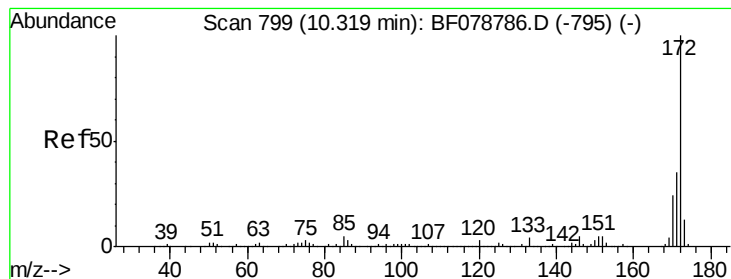


Abundance Ion 329.80 (329.50 to 330.50): E

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 :

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PS-17-3-5

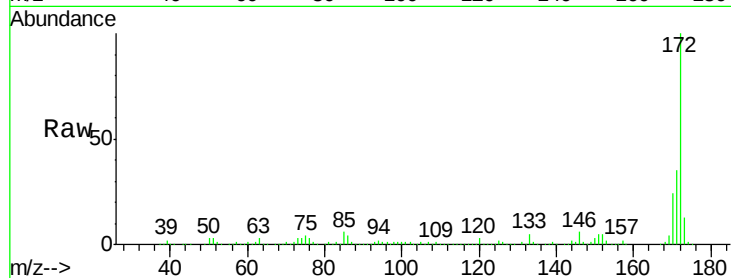
Tot Ion:172 Resp: 665856

Ion Ratio Lower Upper

172 100

171 35.0 27.9 41.9

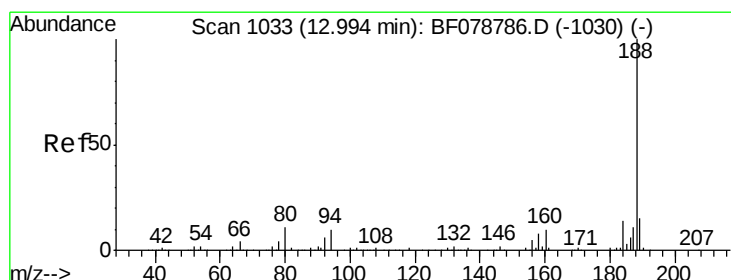
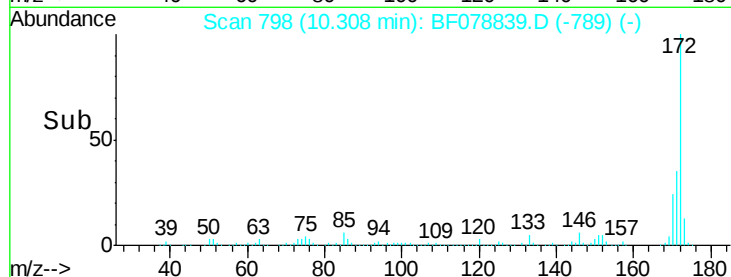
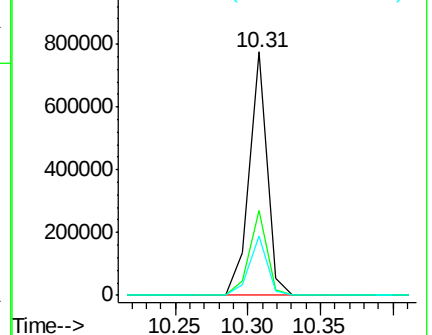
170 24.1 19.4 29.0



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 12.98 min Scan# 1032

Delta R.T. 0.00 min

Lab File: BF078839.D

Acq: 30 Apr 2015 5:38

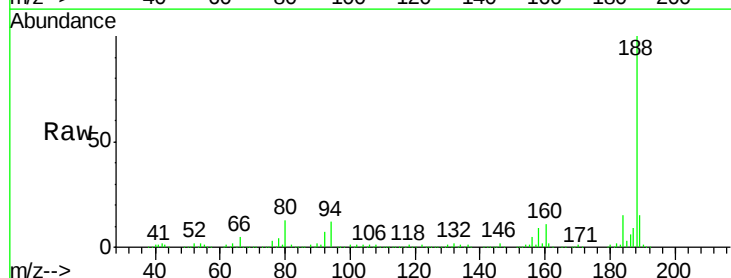
Tgt Ion:188 Resp: 311350

Ion Ratio Lower Upper

188 100

94 12.2 8.2 12.2

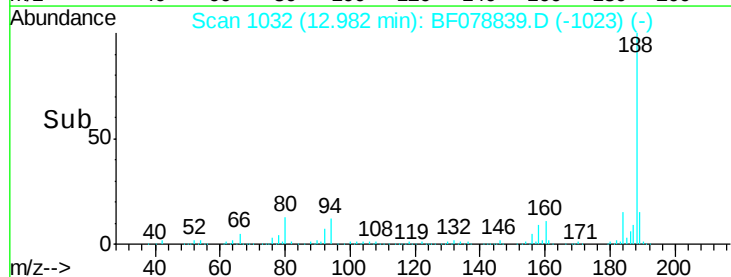
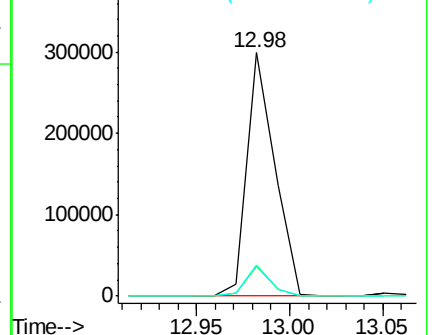
80 12.7 8.9 13.3

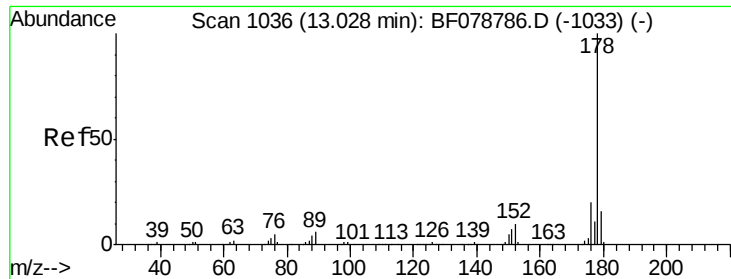


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

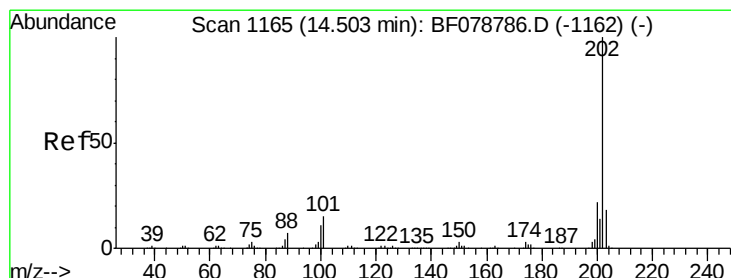
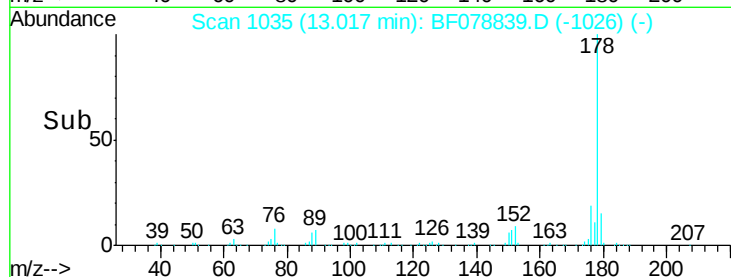
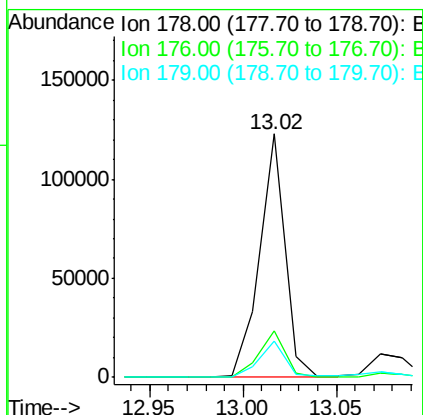
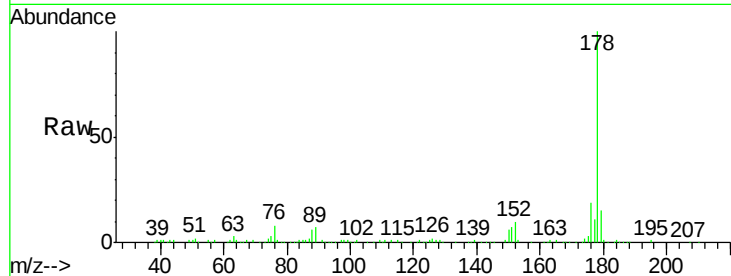




#70
Phenanthrene
Concen: 6.88 ng
RT: 13.02 min Scan# 1035
Delta R.T. 0.00 min
Lab File: BF078839.D
Acq: 30 Apr 2015 5:38

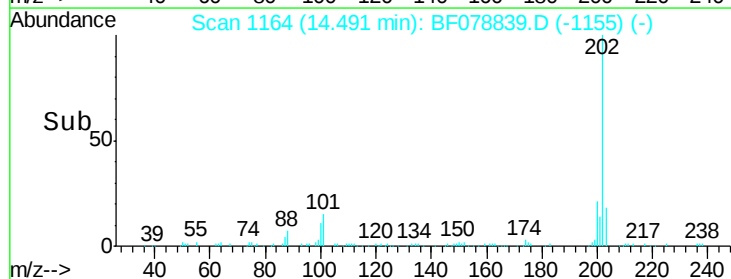
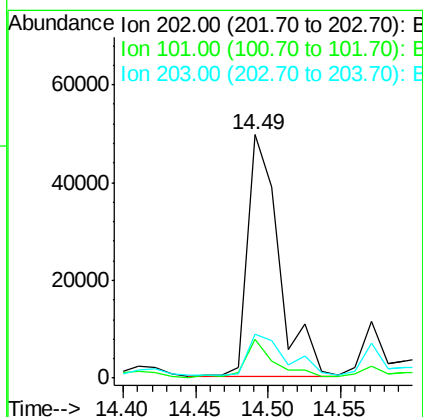
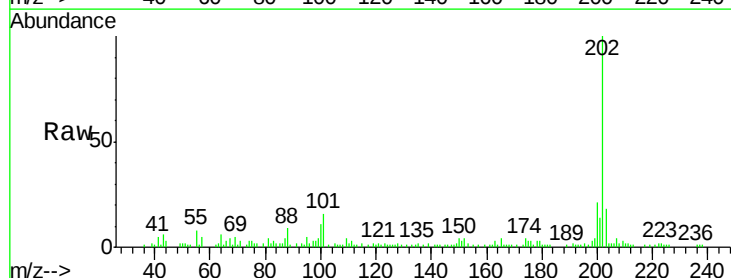
Instrument :
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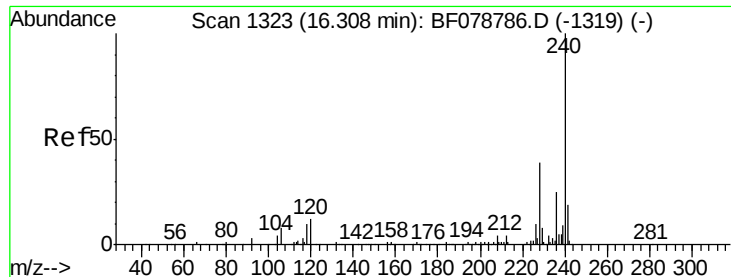
Tot Ion:178 Resp: 116061
Ion Ratio Lower Upper
178 100
176 18.8 15.8 23.8
179 15.1 12.5 18.7



#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





#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

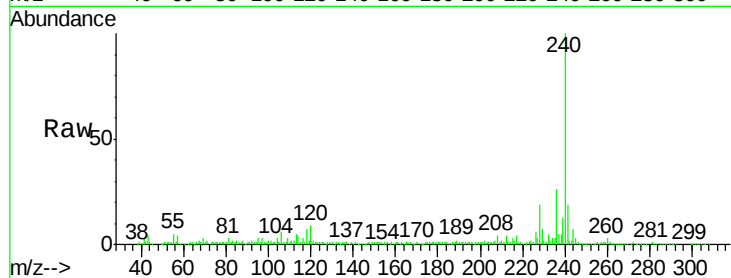
Tot Ion:240 Resp: 337558

Ion Ratio Lower Upper

240 100

120 8.7 9.7 14.5#

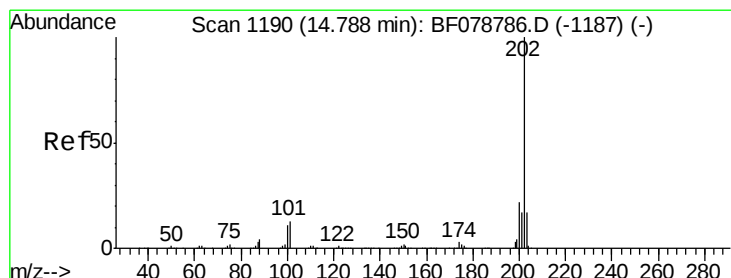
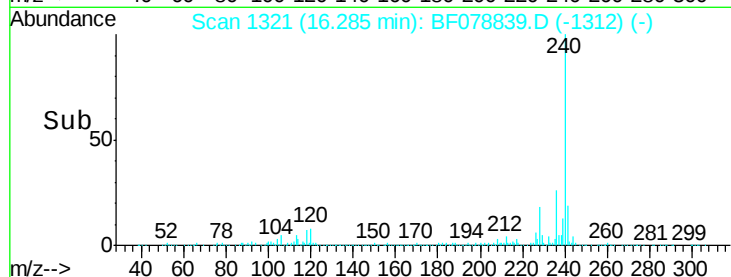
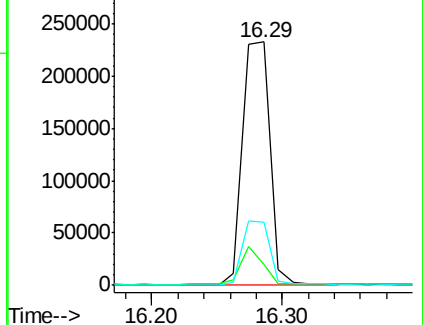
236 25.9 20.2 30.4



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

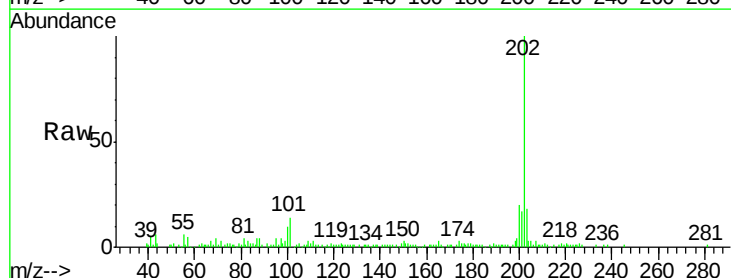
Tgt Ion:202 Resp: 72957

Ion Ratio Lower Upper

202 100

200 19.7 17.5 26.3

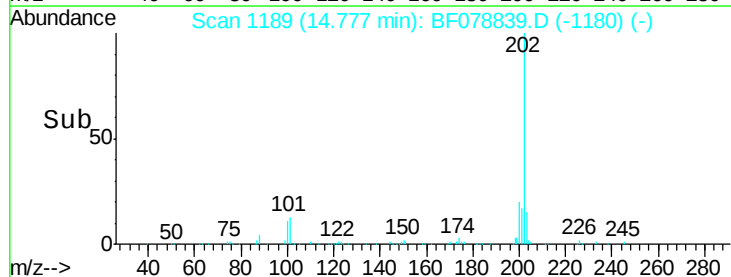
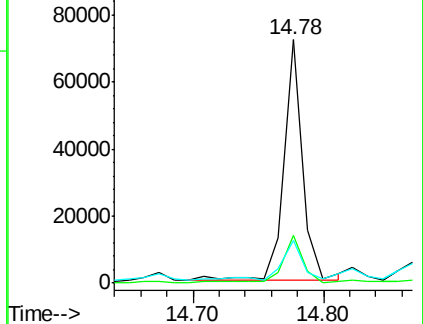
203 17.8 13.9 20.9

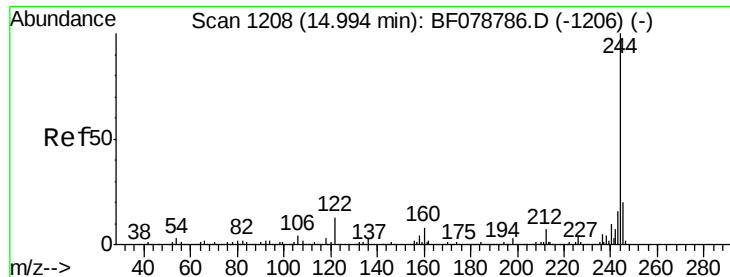


Abundance Ion 202.00 (201.70 to 202.70): E

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

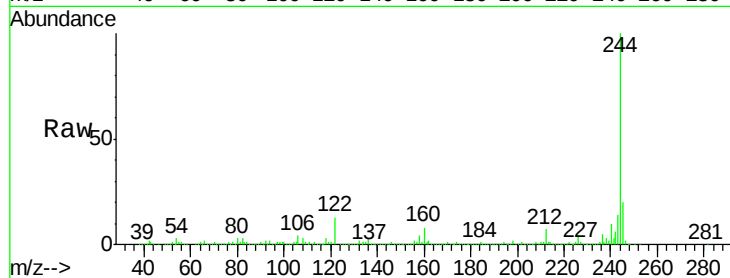
Tot Ion:244 Resp: 753860

Ion Ratio Lower Upper

244 100

212 7.0 5.6 8.4

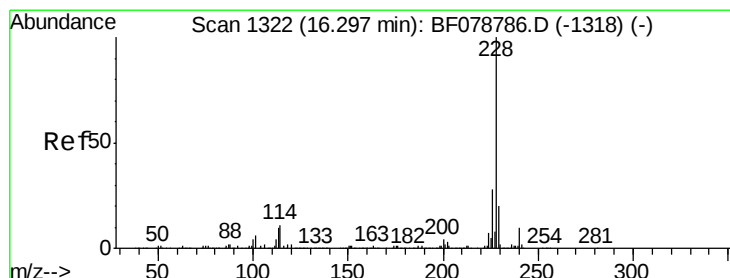
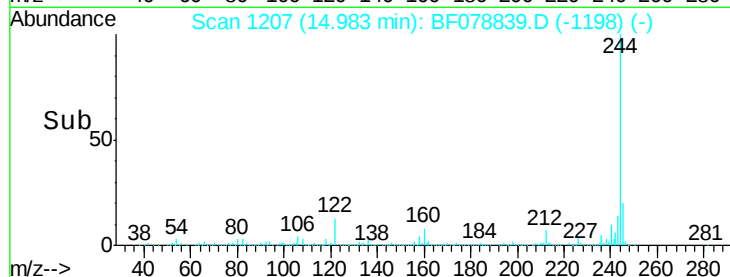
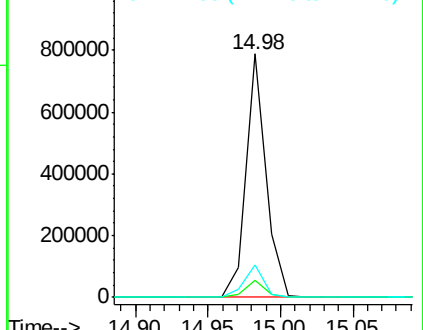
122 13.2 10.3 15.5



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: 3.14 ng m

RT: 16.26 min Scan# 1319

Delta R.T. -0.01 min

Lab File: BF078839.D

Acq: 30 Apr 2015 5:38

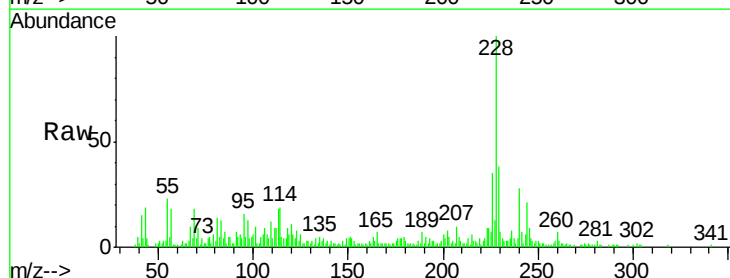
Tgt Ion:228 Resp: 56781

Ion Ratio Lower Upper

228 100

226 34.7 22.6 33.8#

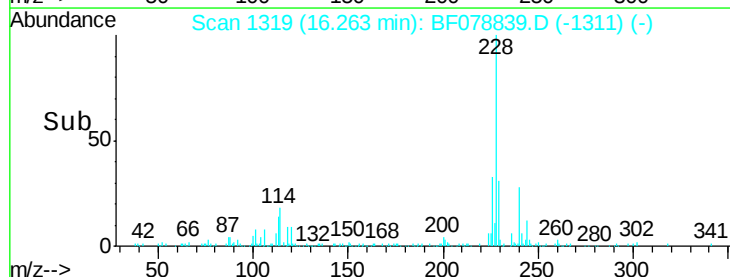
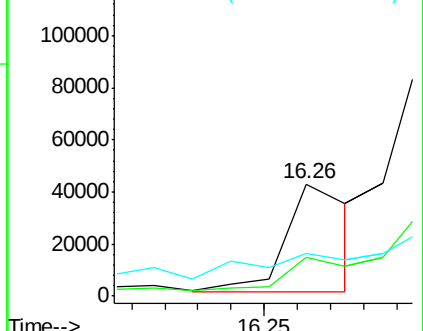
229 38.1 15.9 23.9#

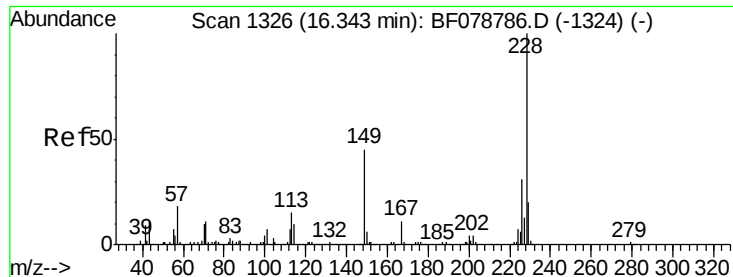


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 10.14 ng/mL

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

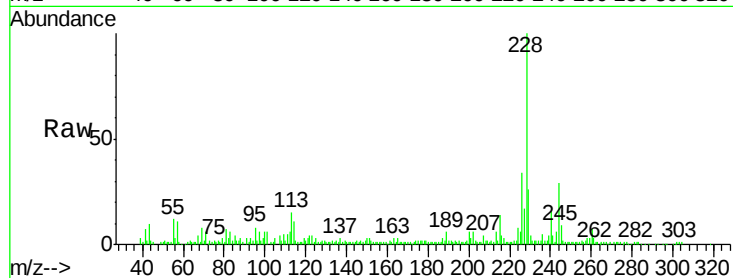
Tot Ion: 228 Resp: 179048

Ion Ratio Lower Upper

228 100

226 34.1 24.9 37.3

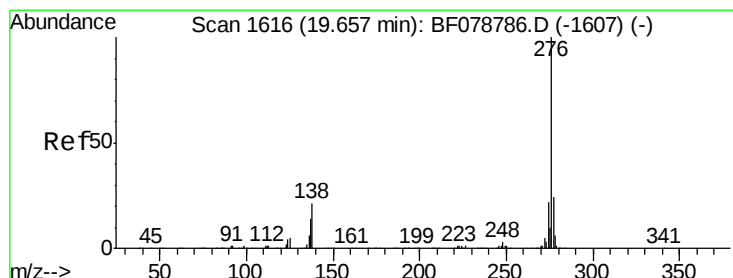
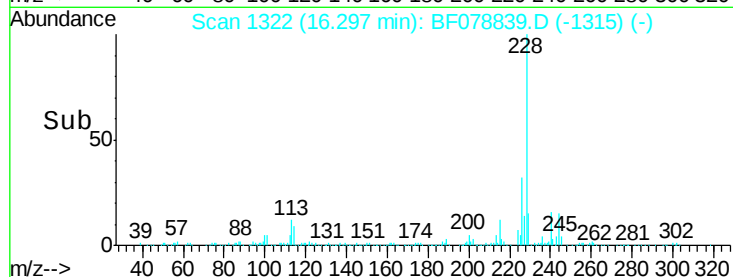
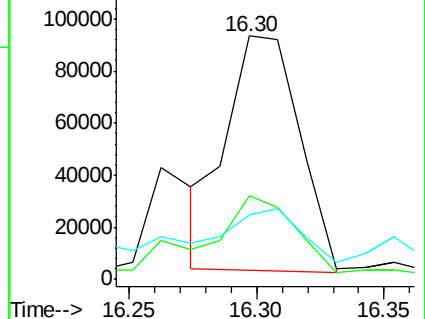
229 26.3 16.0 24.0#



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 2.22 ng/mL

RT: 19.51 min Scan# 1603

Delta R.T. -0.02 min

Lab File: BF078839.D

Acq: 30 Apr 2015 5:38

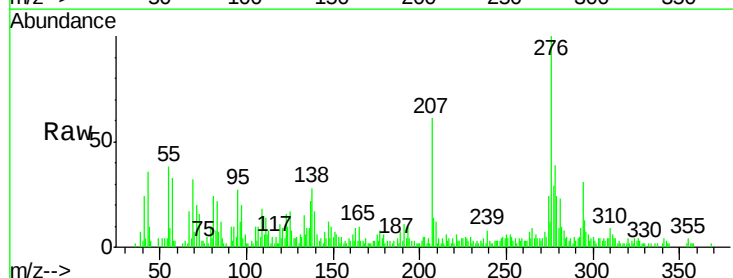
Tgt Ion: 276 Resp: 44483

Ion Ratio Lower Upper

276 100

138 34.0 0.0 0.0#

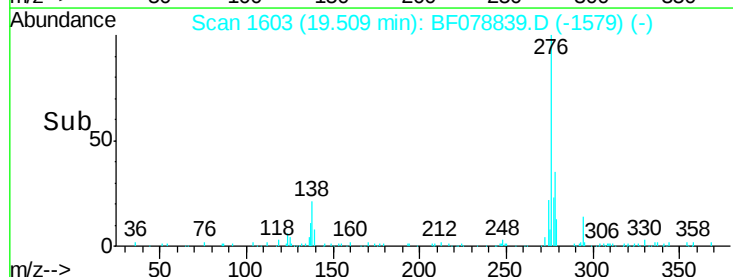
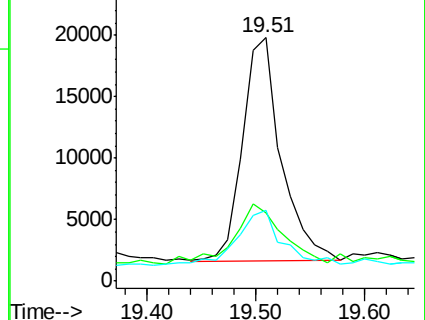
277 29.4 0.0 0.0#

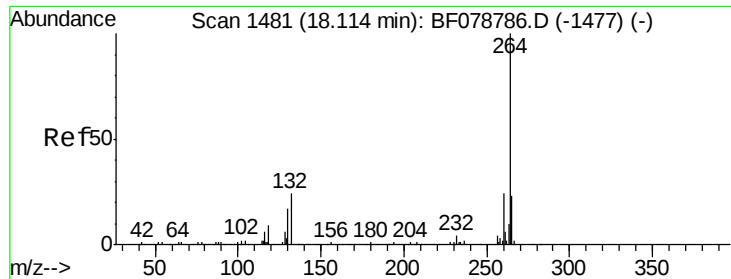


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

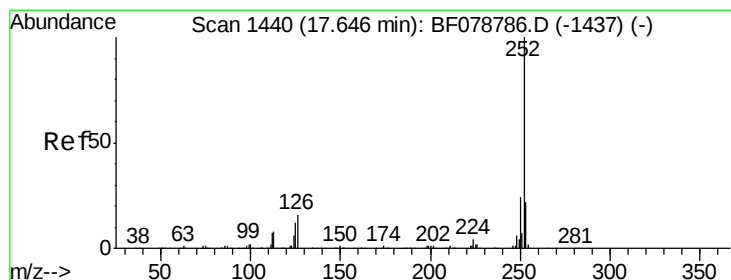
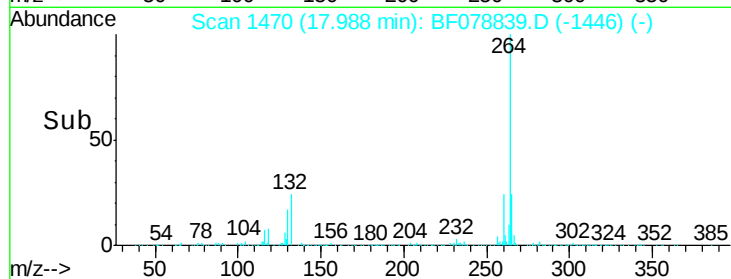
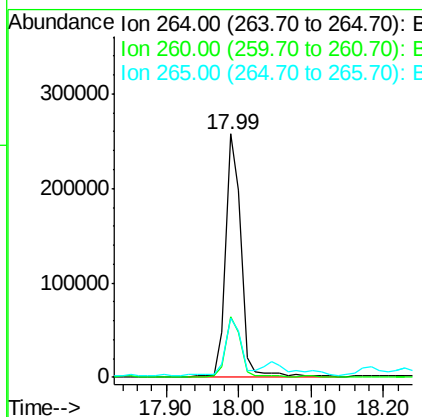
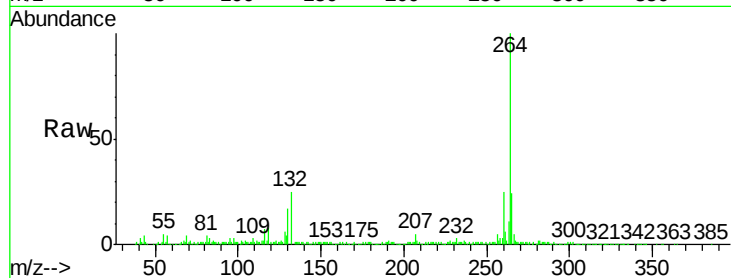




#86
Pervlene-d12
Concen: 20.00 ng
RT: 17.99 min Scan# 1470
Delta R.T. -0.02 min
Lab File: BF078839.D
Acq: 30 Apr 2015 5:38

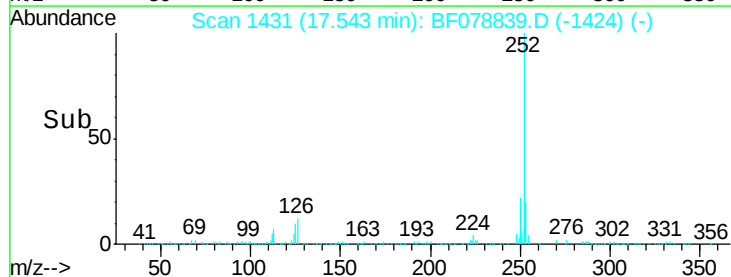
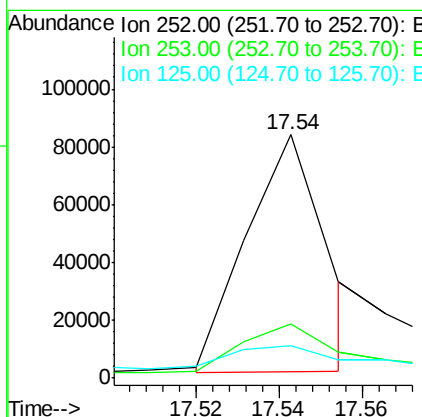
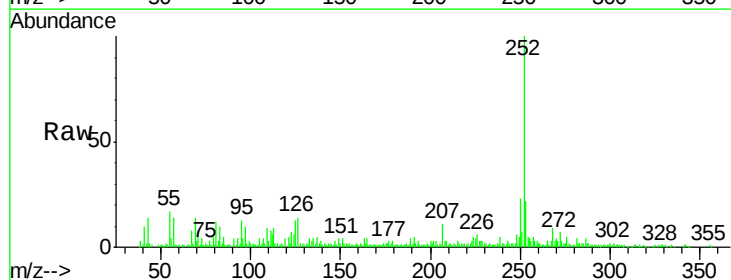
Instrument :
BNA_F
ClientSampleId :
PS-17-3-5

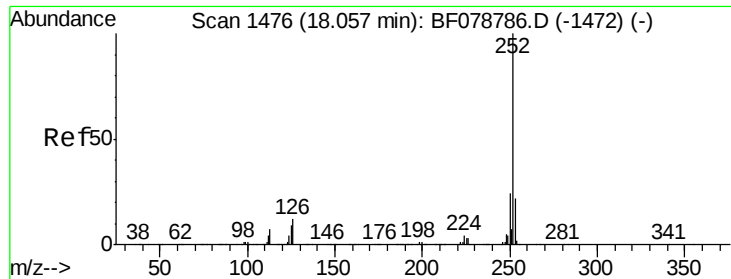
Tot Ion:264 Resp: 373259
Ion Ratio Lower Upper
264 100
260 24.8 19.4 29.2
265 24.2 18.3 27.5



#87
Benzo(b)fluoranthene
Concen: 5.38 ng m
RT: 17.54 min Scan# 1431
Delta R.T. -0.02 min
Lab File: BF078839.D
Acq: 30 Apr 2015 5:38

Tgt Ion:252 Resp: 108757
Ion Ratio Lower Upper
252 100
253 22.5 17.7 26.5
125 13.3 9.5 14.3

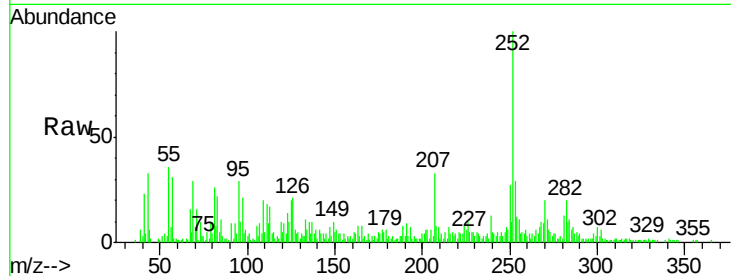




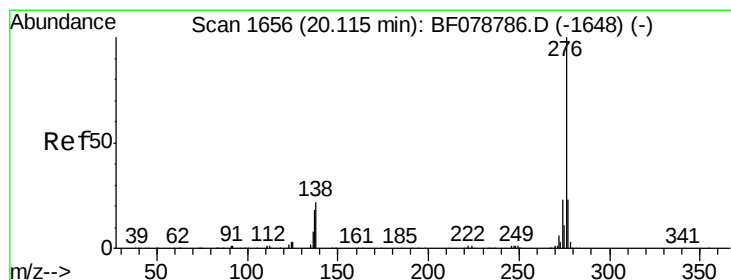
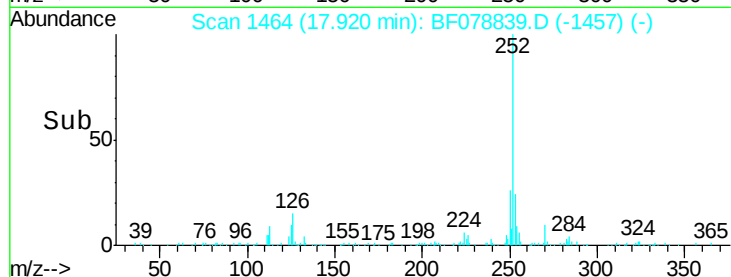
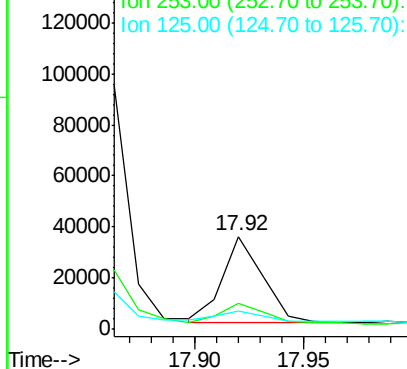
#89
Benzo(a)pyrene
Concen: 2.39 ng
RT: 17.92 min Scan# 1464
Delta R.T. -0.02 min
Lab File: BF078839.D
Acq: 30 Apr 2015 5:38

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

Tot Ion:252 Resp: 43148
Ion Ratio Lower Upper
252 100
253 28.6 17.3 25.9#
125 20.4 7.0 10.6#

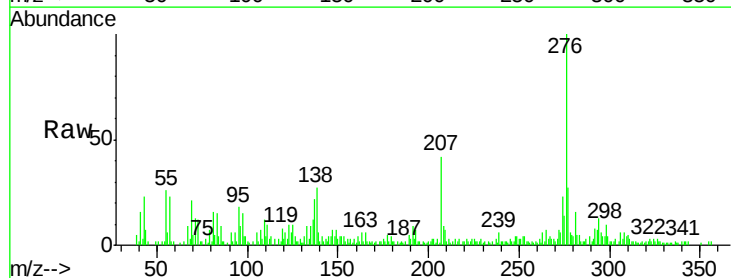


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#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

