

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061615\
 Data File : BF080013.D
 Acq On : 17 Jun 2015 5:00
 Operator : TP/IZ
 Sample : G2649-09
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 AST-HC-001

Quant Time: Jun 17 05:31:42 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF061115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 15 15:44:31 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.35	152	44981	20.00	ng	0.00
21) Naphthalene-d8	8.64	136	178187	20.00	ng	0.00
38) Acenaphthene-d10	10.41	164	88972	20.00	ng	0.00
63) Phenanthrene-d10	11.92	188	194609	20.00	ng	0.00
75) Chrysene-d12	14.93	240	207129	20.00	ng	0.02
86) Perylene-d12	16.85	264	213948	20.00	ng	0.05

System Monitoring Compounds						
5) 2-Fluorophenol	5.96	112	308371	125.71	ng	0.00
7) Phenol-d6	6.95	99	431577	129.13	ng	0.00
23) Nitrobenzene-d5	7.91	82	236373	87.52	ng	0.00
41) 2,4,6-Tribromophenol	11.21	330	104450	116.87	ng	0.00
44) 2-Fluorobiphenyl	9.72	172	515631	81.15	ng	0.00
78) Terphenyl-d14	13.64	244	650879	72.45	ng	0.01

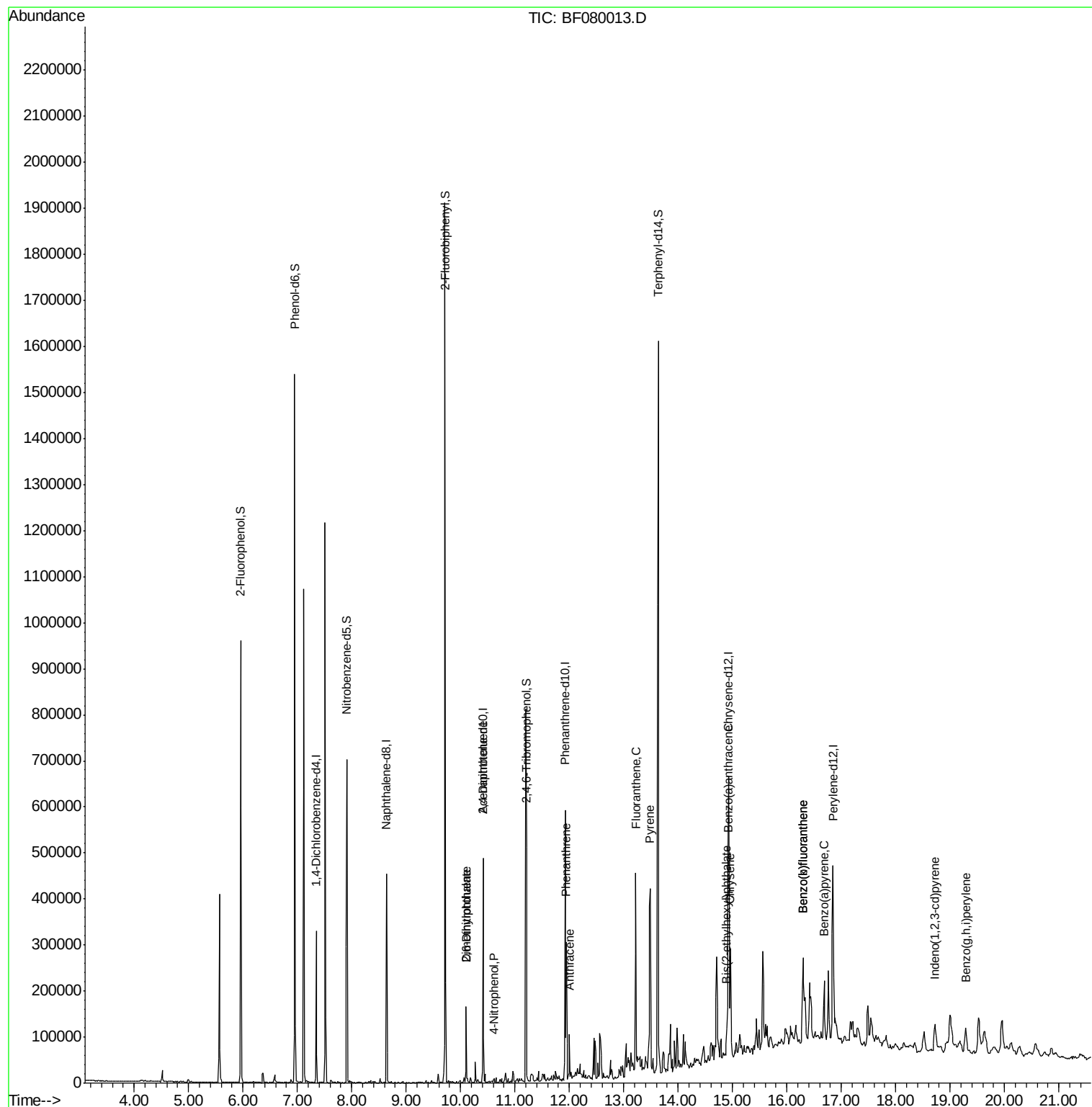
Target Compounds						Qvalue
49) Dimethylphthalate	10.10	163	60586	8.50	ng	98
50) 2,6-Dinitrotoluene	10.10	165	356	3.30	ng	# 1
55) 4-Nitrophenol	10.62	139	883	3.31	ng	# 1
56) 2,4-Dinitrotoluene	10.41	165	10834	10.45	ng	# 32
70) Phenanthrene	11.94	178	108691	9.37	ng	99
71) Anthracene	12.00	178	37238	3.32	ng	99
74) Fluoranthene	13.23	202	209220	16.32	ng	96
77) Pyrene	13.49	202	240885	18.52	ng	98
80) Benzo(a)anthracene	14.92	228	133390	10.14	ng	97
82) Chrysene	14.96	228	106732	8.18	ng	98
83) Bis(2-ethylhexyl)phthalate	14.89	149	18000	2.56	ng	98
85) Indeno(1,2,3-cd)pyrene	18.72	276	57068	4.14	ng	# 93
87) Benzo(b)fluoranthene	16.30	252	177059	13.51	ng	# 97
88) Benzo(k)fluoranthene	16.30	252	177059	13.24	ng	97
89) Benzo(a)pyrene	16.69	252	70535	5.66	ng	97
91) Benzo(g,h,i)perylene	19.29	276	60406	4.76	ng	97

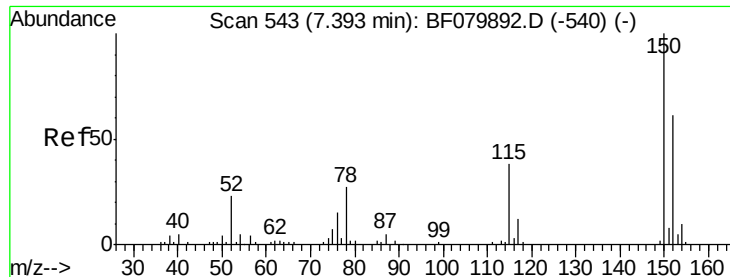
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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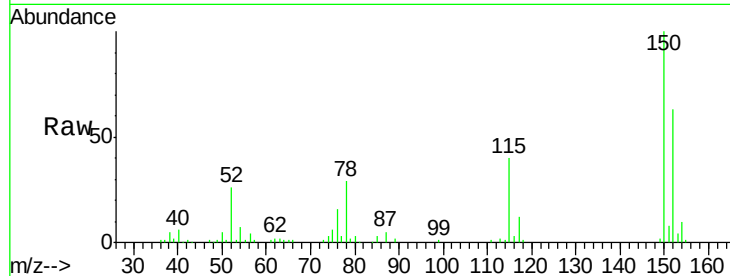


#1

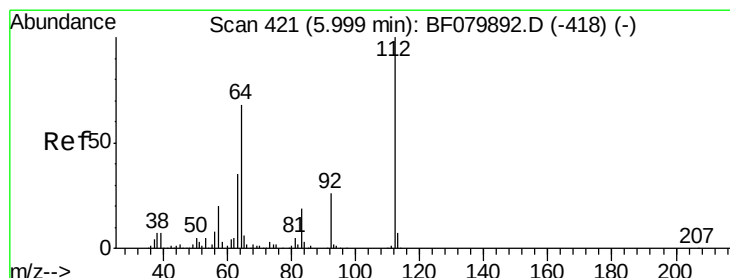
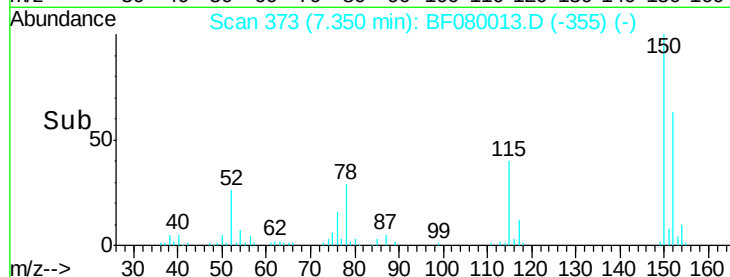
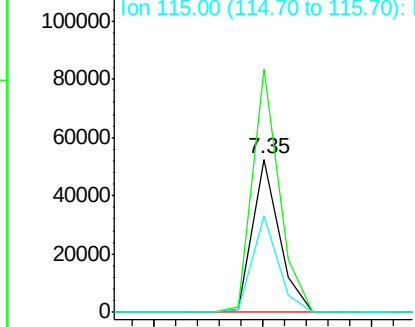
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.35 min Scan# 373
Delta R.T. 0.00 min
Lab File: BF080013.D
Acq: 17 Jun 2015 5:00

Instrument :
BNA_F
ClientSampleId :
AST-HC-001

Tgt Ion:152 Resp: 44981
Ion Ratio Lower Upper
152 100
150 158.8 131.0 196.4
115 62.9 49.8 74.6



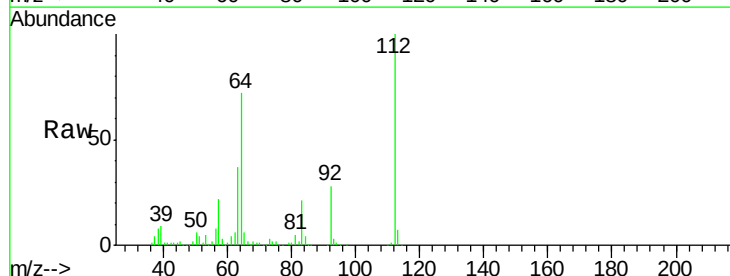
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



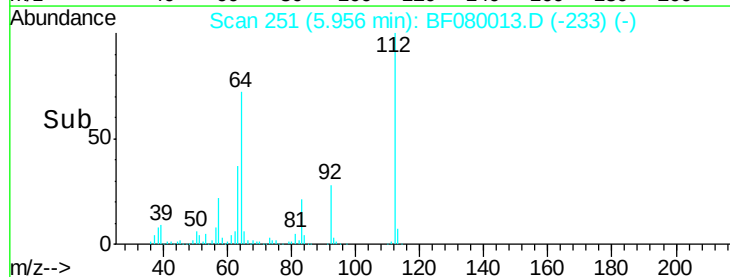
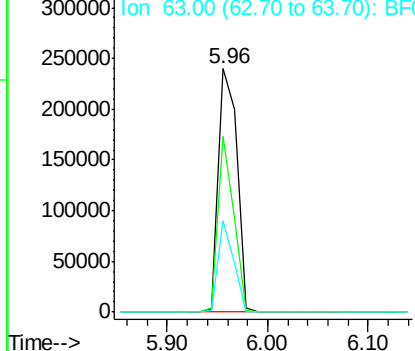
#5

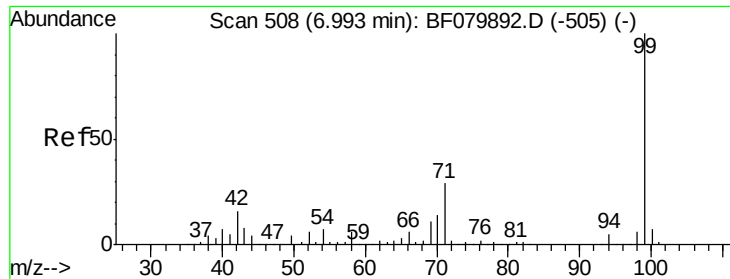
2-Fluorophenol
Concen: 125.71 ng
RT: 5.96 min Scan# 251
Delta R.T. 0.00 min
Lab File: BF080013.D
Acq: 17 Jun 2015 5:00

Tgt Ion:112 Resp: 308371
Ion Ratio Lower Upper
112 100
64 72.3 54.5 81.7
63 37.3 27.9 41.9



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: 129.13 ng

RT: 6.95 min Scan# 338

Delta R.T. 0.00 min

Lab File: BF080013.D

Acq: 17 Jun 2015 5:00

Instrument :

BNA_F

ClientSampleId :

AST-HC-001

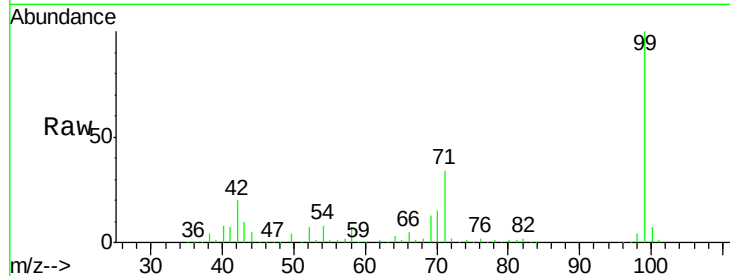
Tgt Ion: 99 Resp: 431577

Ion Ratio Lower Upper

99 100

42 19.9 12.9 19.3#

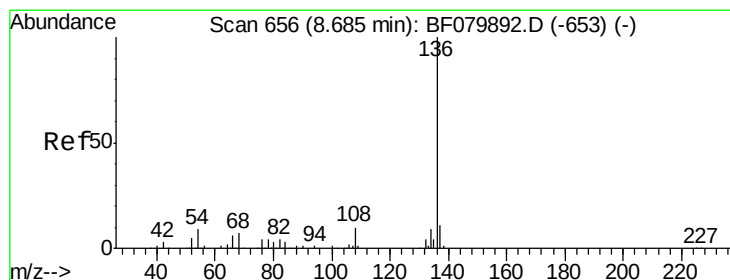
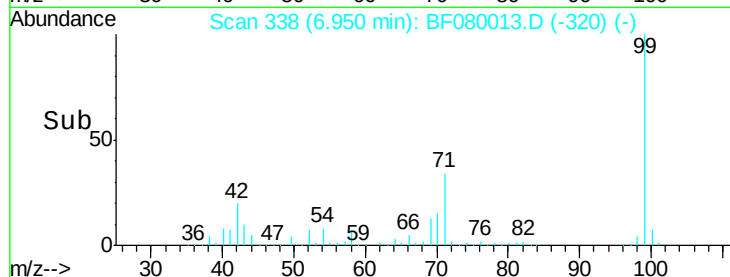
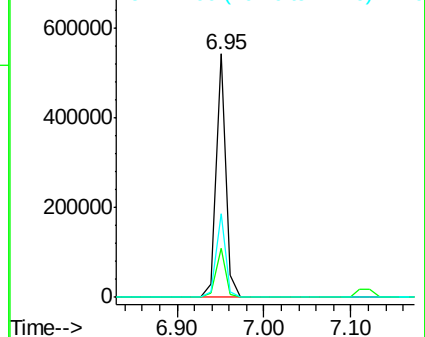
71 34.3 23.4 35.2



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.64 min Scan# 486

Delta R.T. 0.00 min

Lab File: BF080013.D

Acq: 17 Jun 2015 5:00

Tgt Ion: 136 Resp: 178187

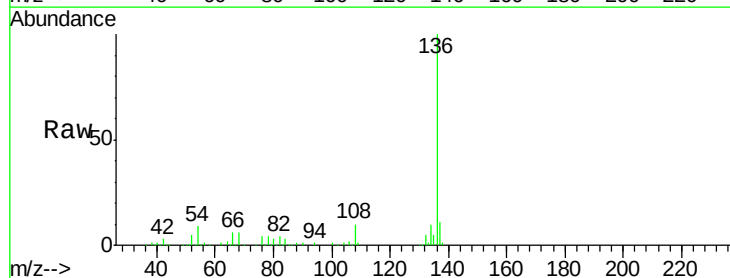
Ion Ratio Lower Upper

136 100

137 10.8 8.7 13.1

54 8.7 7.3 10.9

68 6.4 5.9 8.9

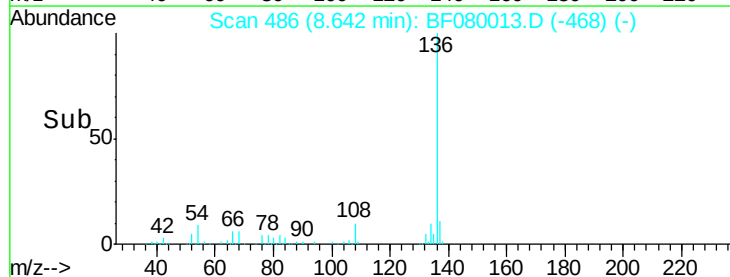
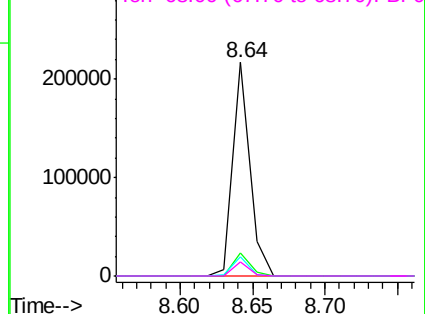


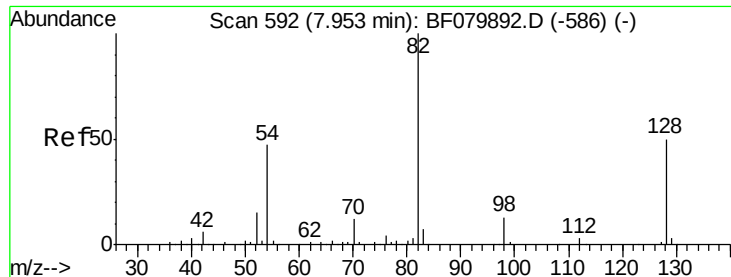
Abundance Ion 136.00 (135.70 to 136.70): E

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: 87.52 ng

RT: 7.91 min Scan# 422

Delta R.T. 0.00 min

Lab File: BF080013.D

Acq: 17 Jun 2015 5:00

Instrument :

BNA_F

ClientSampleId :

AST-HC-001

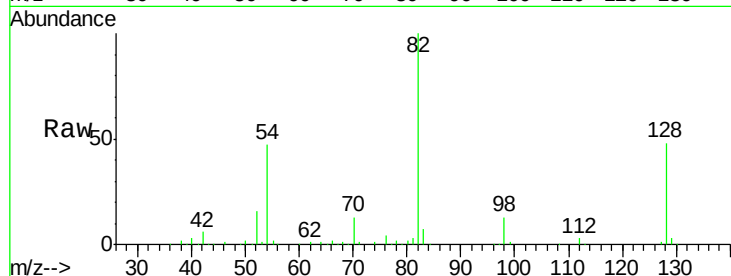
Tgt Ion: 82 Resp: 236373

Ion Ratio Lower Upper

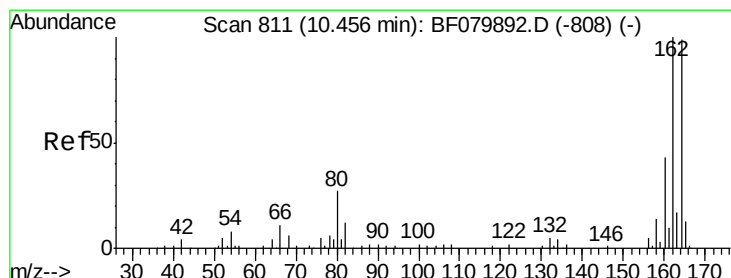
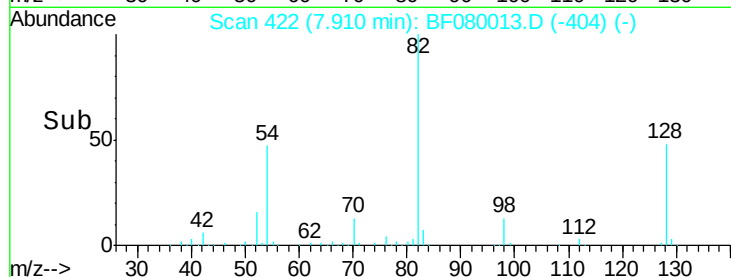
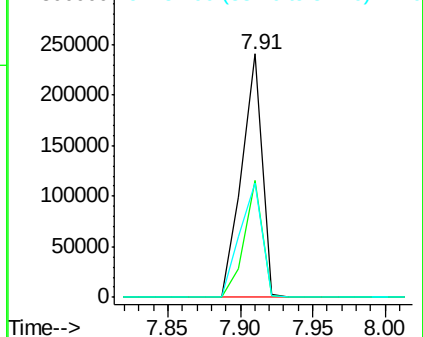
82 100

128 47.8 40.3 60.5

54 46.9 38.0 57.0



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: 10.41 min Scan# 641

Delta R.T. 0.00 min

Lab File: BF080013.D

Acq: 17 Jun 2015 5:00

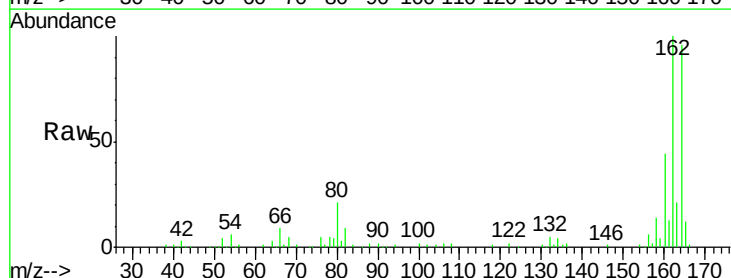
Tgt Ion: 164 Resp: 88972

Ion Ratio Lower Upper

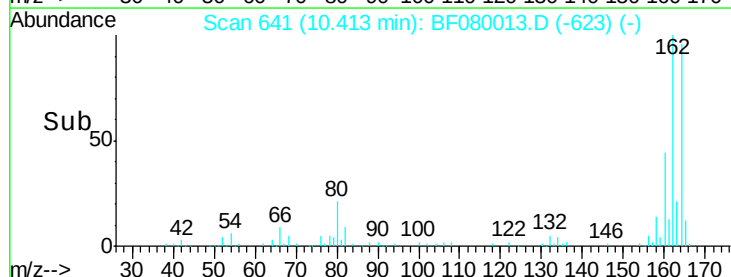
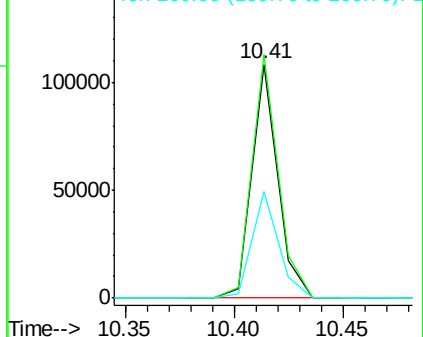
164 100

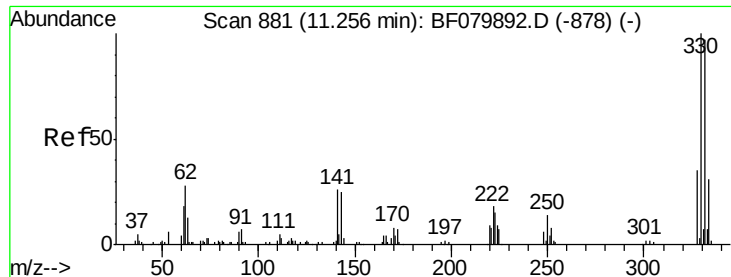
162 104.1 80.7 121.1

160 45.6 34.6 51.8



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

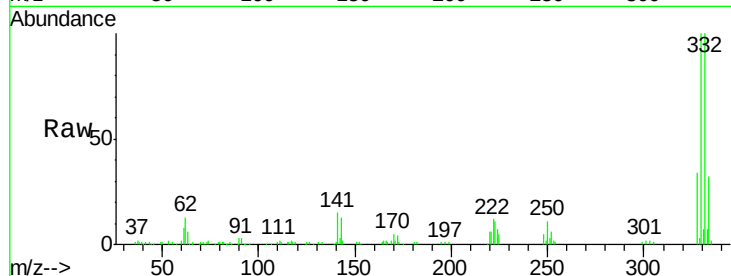




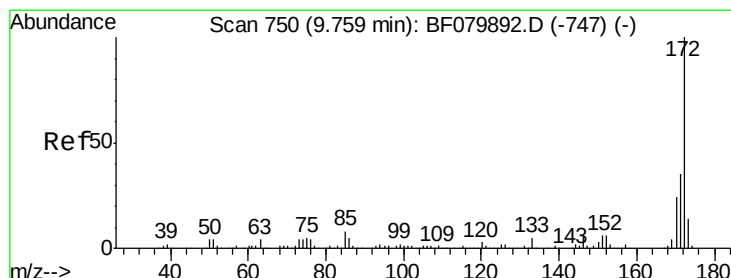
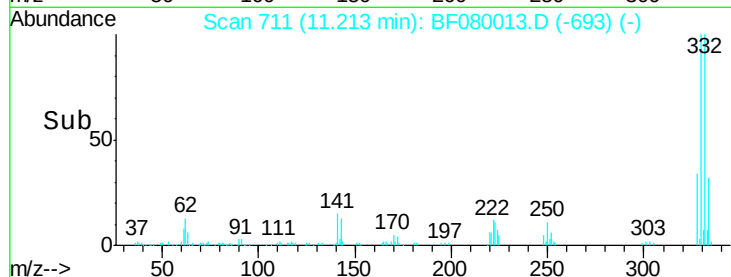
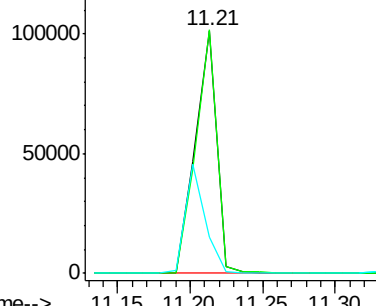
#41
 2,4,6-Tribromophenol
 Concen: 116.87 ng
 RT: 11.21 min Scan# 711
 Delta R.T. 0.00 min
 Lab File: BF080013.D
 Acq: 17 Jun 2015 5:00

Instrument :
 BNA_F
 ClientSampleId :
 AST-HC-001

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.9	77.3	115.9
141	40.7	26.8	40.2

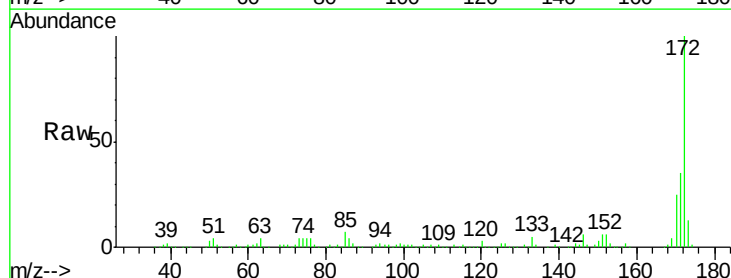


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

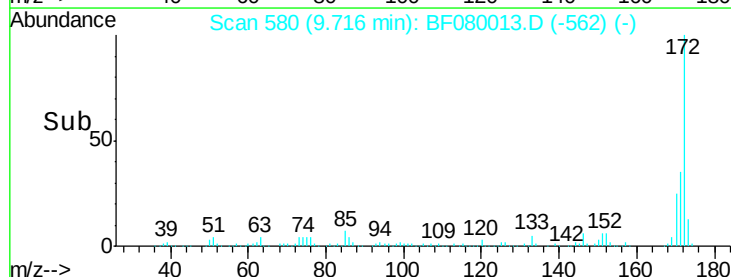
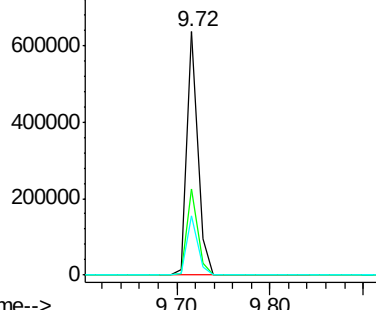


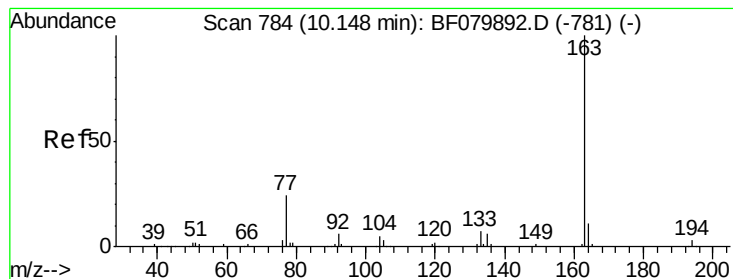
#44
 2-Fluorobiphenyl
 Concen: 81.15 ng
 RT: 9.72 min Scan# 580
 Delta R.T. 0.00 min
 Lab File: BF080013.D
 Acq: 17 Jun 2015 5:00

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.3	42.5
170	24.5	19.0	28.4



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





#49

Dimethylphthalate

Concen: 8.50 ng

RT: 10.10 min Scan# 614

Delta R.T. 0.00 min

Lab File: BF080013.D

Acq: 17 Jun 2015 5:00

Instrument :

BNA_F

ClientSampleId :

AST-HC-001

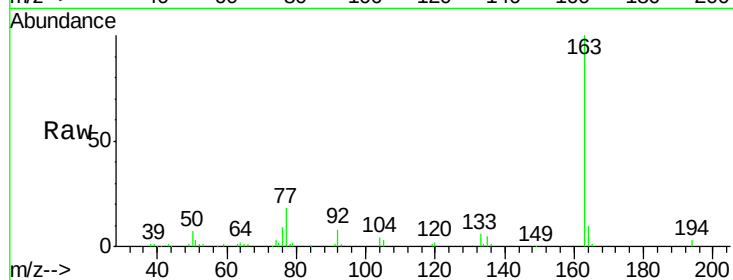
Tgt Ion:163 Resp: 60586

Ion Ratio Lower Upper

163 100

194 3.2 2.6 4.0

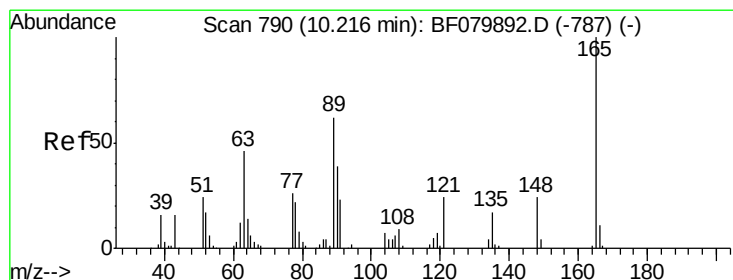
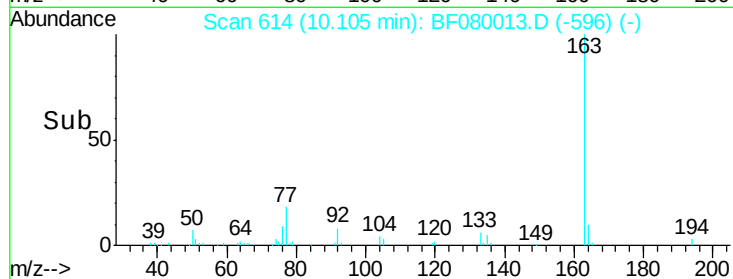
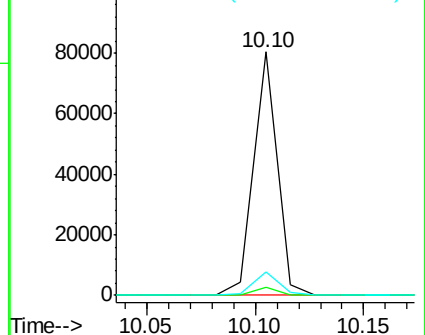
164 9.8 8.6 12.8



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



#50

2,6-Dinitrotoluene

Concen: 3.30 ng

RT: 10.10 min Scan# 614

Delta R.T. -0.07 min

Lab File: BF080013.D

Acq: 17 Jun 2015 5:00

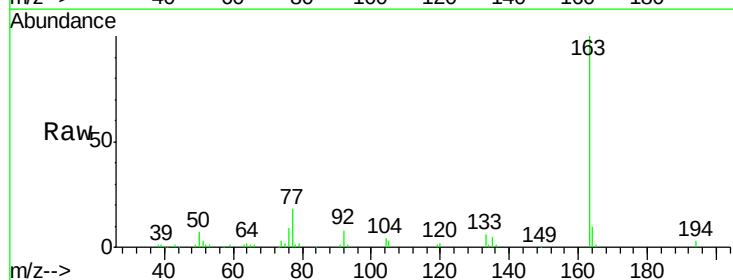
Tgt Ion:165 Resp: 356

Ion Ratio Lower Upper

165 100

63 231.6 46.4 69.6#

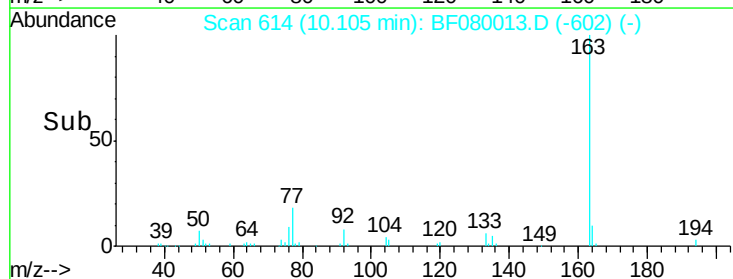
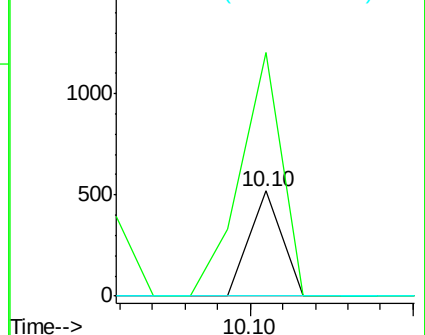
89 0.0 49.6 74.4#

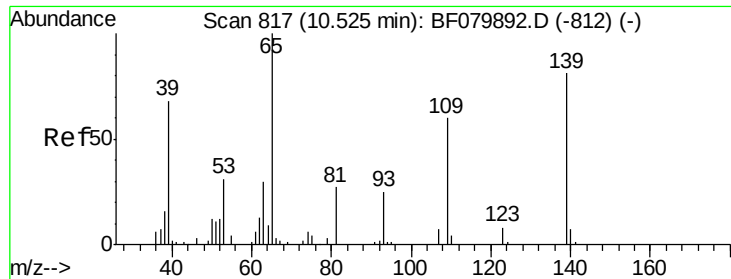


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

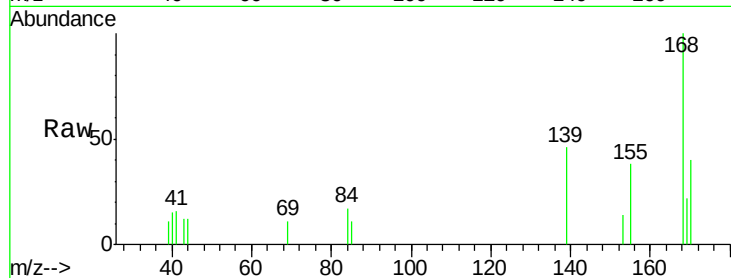




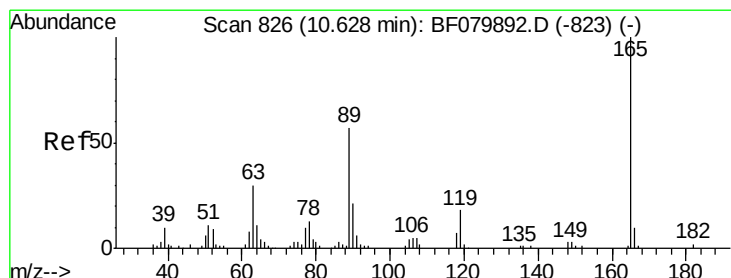
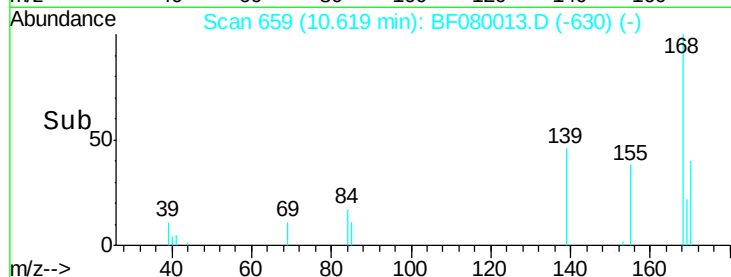
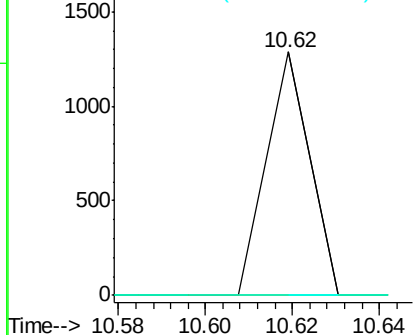
#55
4-Nitrophenol
Concen: 3.31 ng
RT: 10.62 min Scan# 659
Delta R.T. 0.13 min
Lab File: BF080013.D
Acq: 17 Jun 2015 5:00

Instrument :
BNA_F
ClientSampleId :
AST-HC-001

Tgt Ion:139 Resp: 883
Ion Ratio Lower Upper
139 100
109 0.0 54.8 94.8#
65 0.0 104.8 144.8#

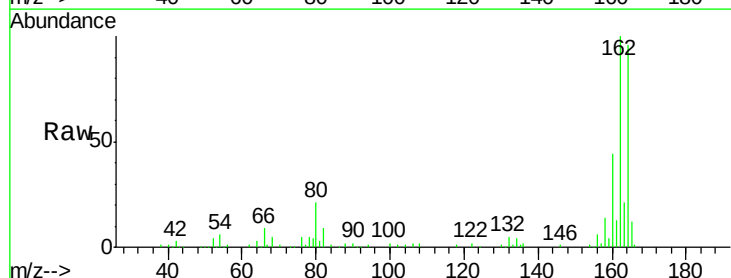


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

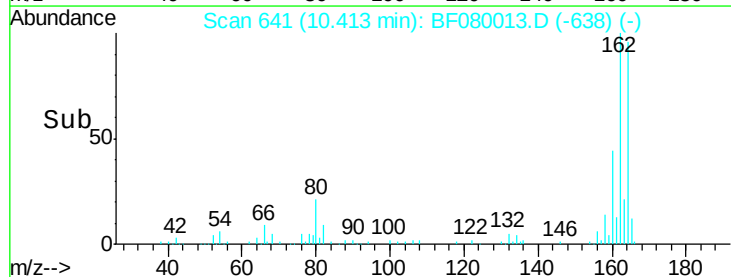
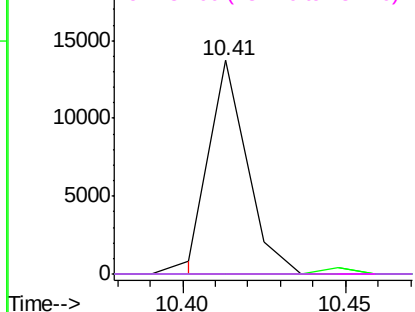


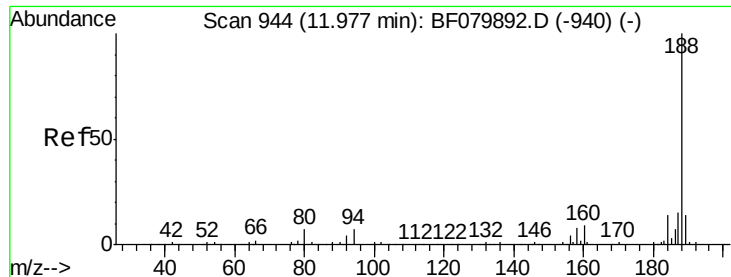
#56
2,4-Dinitrotoluene
Concen: 10.45 ng
RT: 10.41 min Scan# 641
Delta R.T. -0.17 min
Lab File: BF080013.D
Acq: 17 Jun 2015 5:00

Tgt Ion:165 Resp: 10834
Ion Ratio Lower Upper
165 100
63 0.0 24.3 36.5#
89 0.0 45.4 68.2#
182 0.0 1.8 2.8#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0
Ion 182.00 (181.70 to 182.70): E

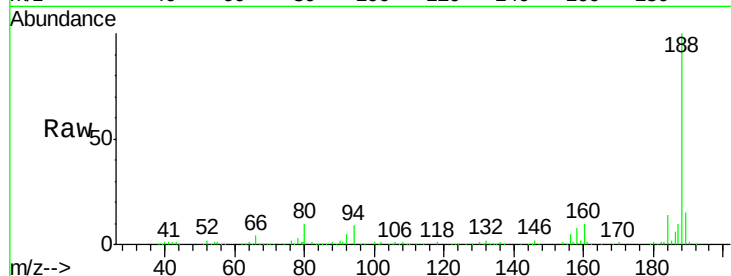




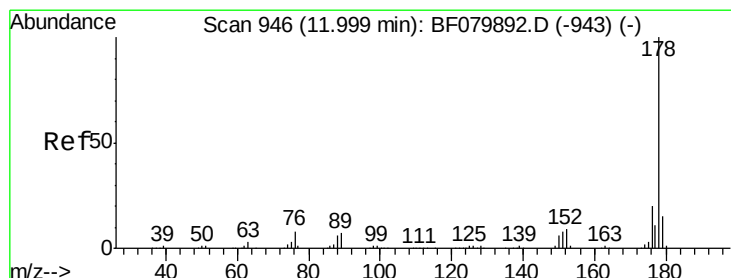
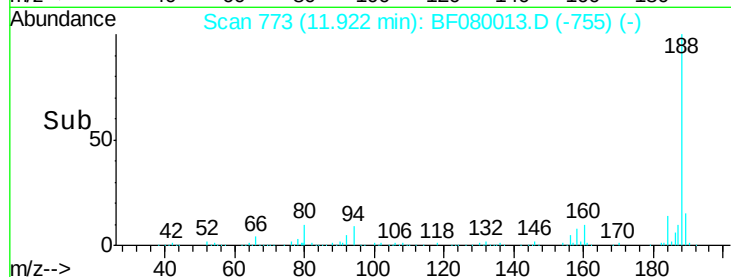
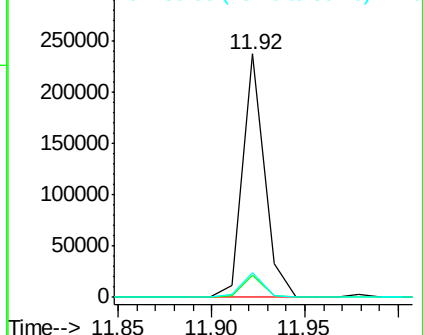
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.92 min Scan# 773
Delta R.T. 0.00 min
Lab File: BF080013.D
Acq: 17 Jun 2015 5:00

Instrument :
BNA_F
ClientSampleId :
AST-HC-001

Tgt Ion:188 Resp: 194609
Ion Ratio Lower Upper
188 100
94 9.3 5.8 8.8#
80 10.0 5.9 8.9#

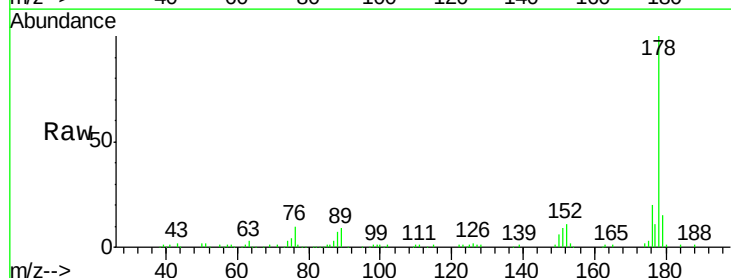


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

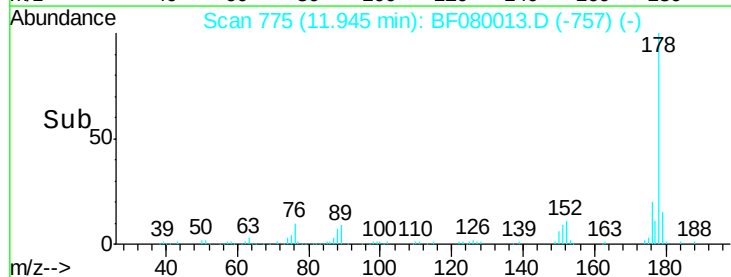
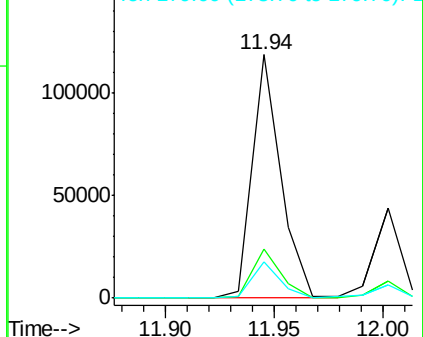


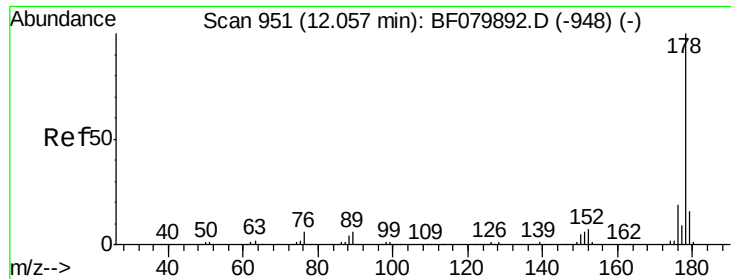
#70
Phenanthrene
Concen: 9.37 ng
RT: 11.94 min Scan# 775
Delta R.T. 0.00 min
Lab File: BF080013.D
Acq: 17 Jun 2015 5:00

Tgt Ion:178 Resp: 108691
Ion Ratio Lower Upper
178 100
176 20.2 15.9 23.9
179 14.9 12.3 18.5



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

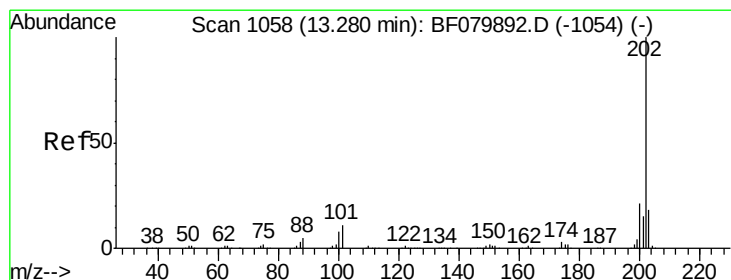
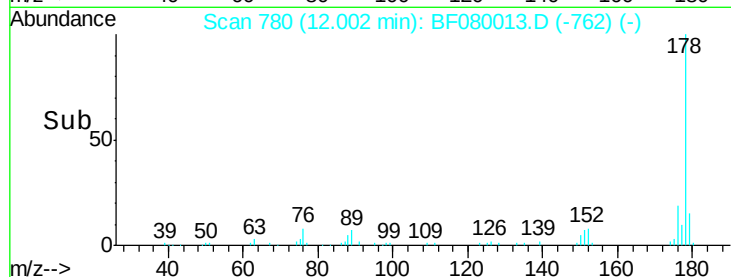
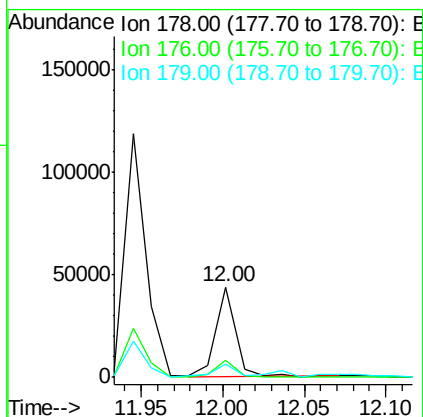
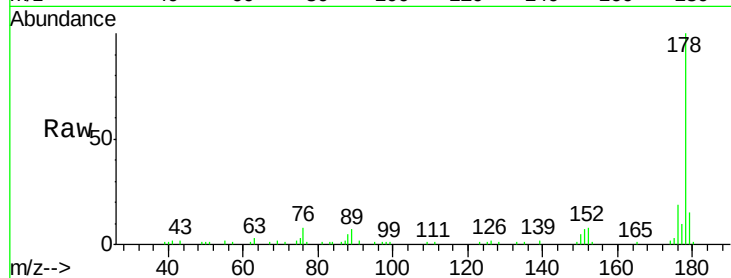




#71
 Anthracene
 Concen: 3.32 ng
 RT: 12.00 min Scan# 780
 Delta R.T. 0.00 min
 Lab File: BF080013.D
 Acq: 17 Jun 2015 5:00

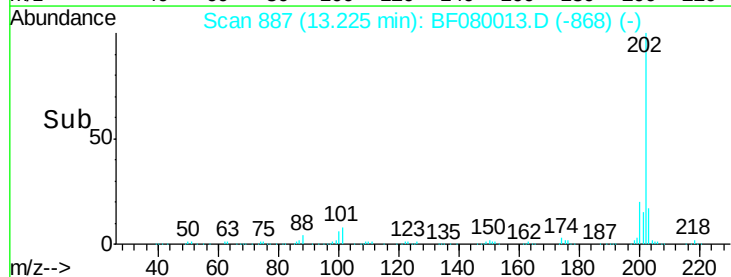
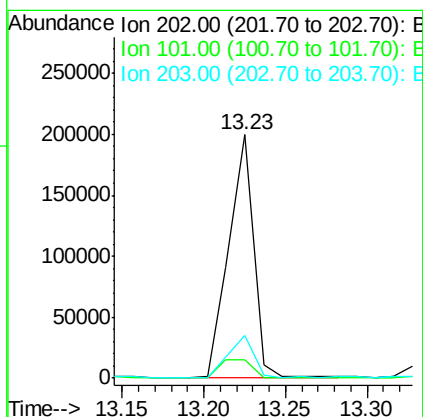
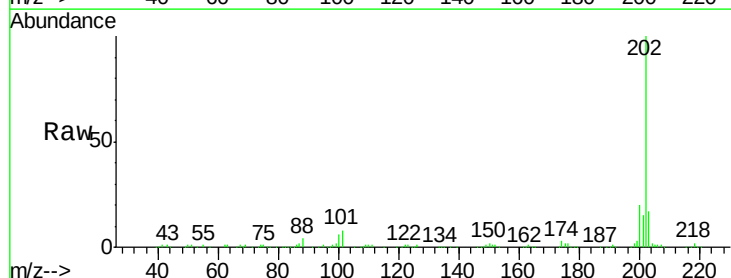
Instrument :
 BNA_F
 ClientSampleId :
 AST-HC-001

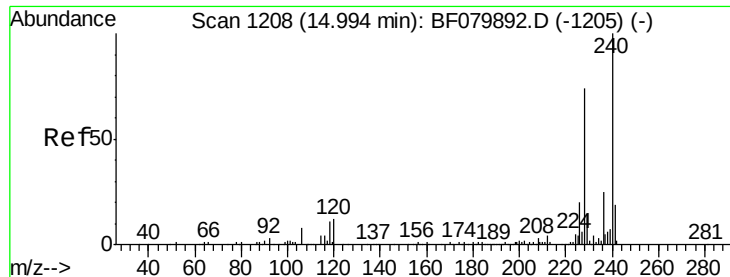
Tgt Ion:178 Resp: 37238
 Ion Ratio Lower Upper
 178 100
 176 18.6 15.2 22.8
 179 15.3 12.5 18.7



#74
 Fluoranthene
 Concen: 16.32 ng
 RT: 13.23 min Scan# 887
 Delta R.T. 0.01 min
 Lab File: BF080013.D
 Acq: 17 Jun 2015 5:00

Tgt Ion:202 Resp: 209220
 Ion Ratio Lower Upper
 202 100
 101 7.7 0.0 30.7
 203 17.3 0.0 38.0





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.93 min Scan# 1036

Delta R.T. 0.02 min

Lab File: BF080013.D

Acq: 17 Jun 2015 5:00

Instrument :

BNA_F

ClientSampleId :

AST-HC-001

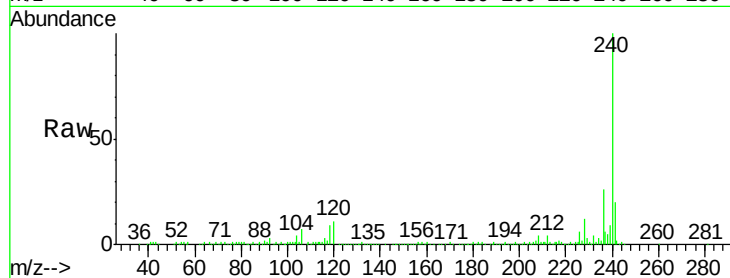
Tgt Ion:240 Resp: 207129

Ion Ratio Lower Upper

240 100

120 10.8 9.4 14.2

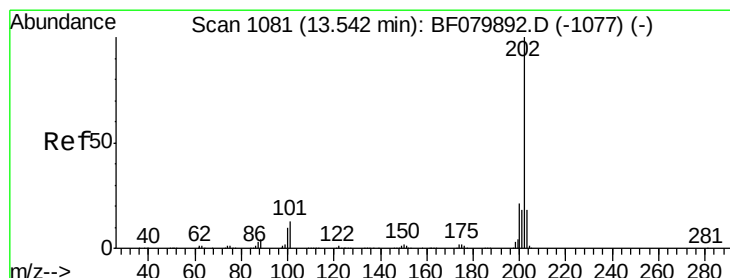
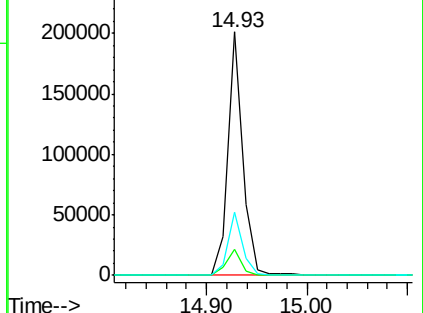
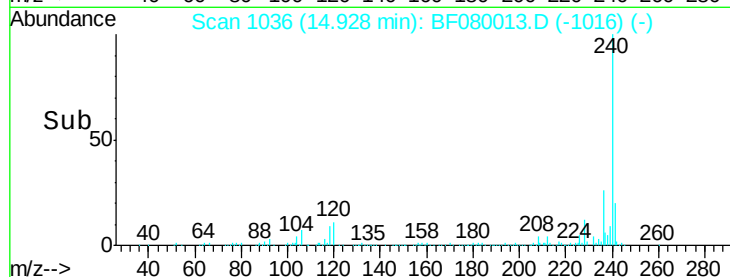
236 25.9 19.6 29.4



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: 18.52 ng

RT: 13.49 min Scan# 910

Delta R.T. 0.01 min

Lab File: BF080013.D

Acq: 17 Jun 2015 5:00

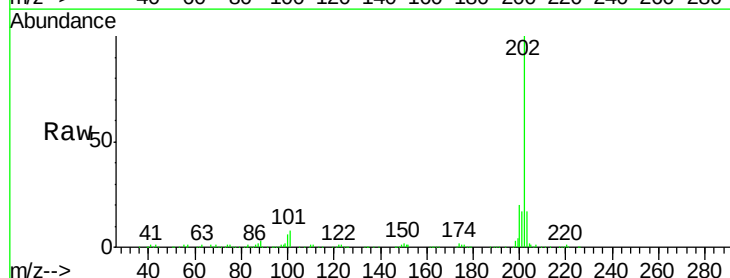
Tgt Ion:202 Resp: 240885

Ion Ratio Lower Upper

202 100

200 20.4 16.8 25.2

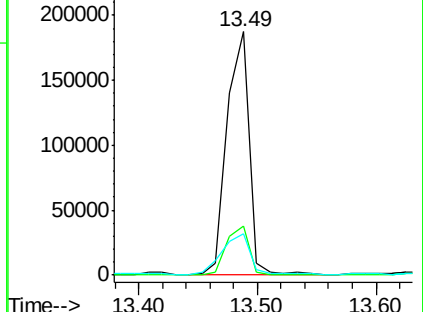
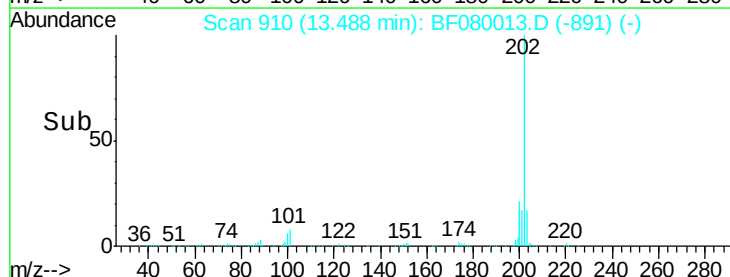
203 16.9 14.4 21.6

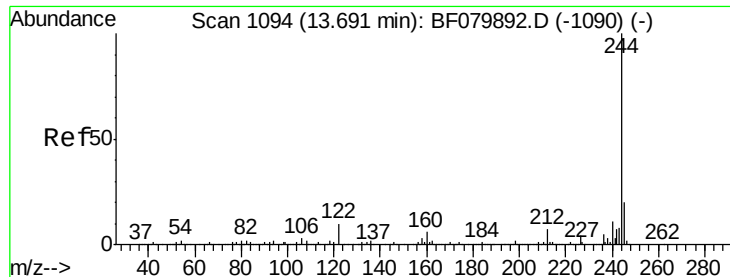


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

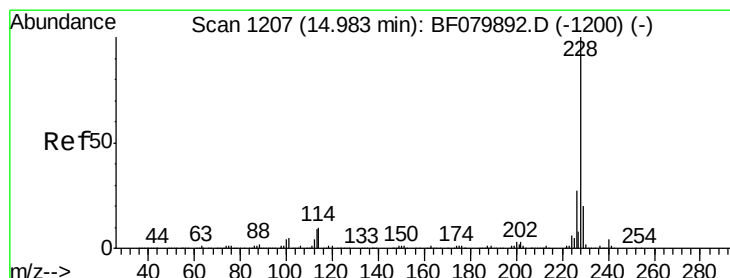
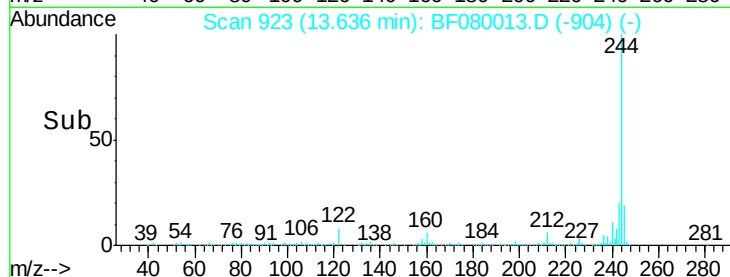
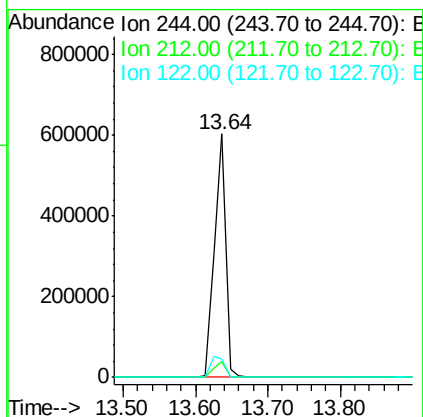
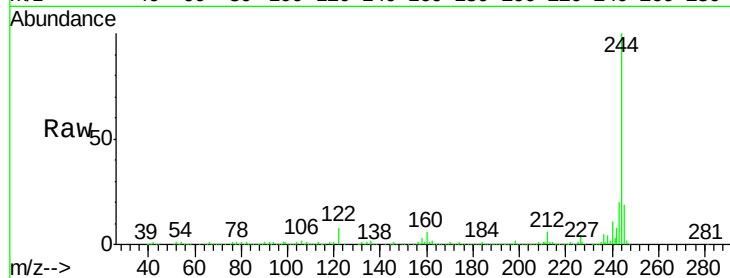




#78
 Terphenyl-d14
 Concen: 72.45 ng
 RT: 13.64 min Scan# 923
 Delta R.T. 0.01 min
 Lab File: BF080013.D
 Acq: 17 Jun 2015 5:00

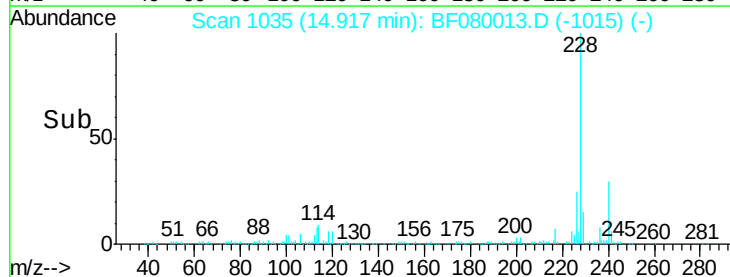
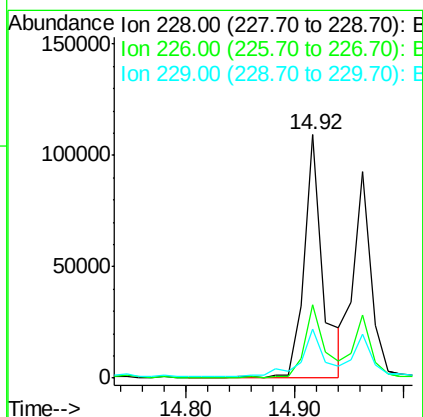
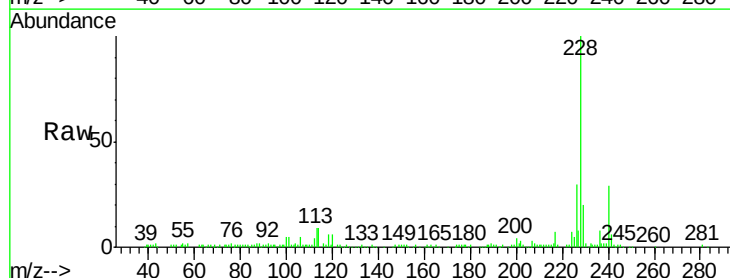
Instrument :
 BNA_F
 ClientSampleId :
 AST-HC-001

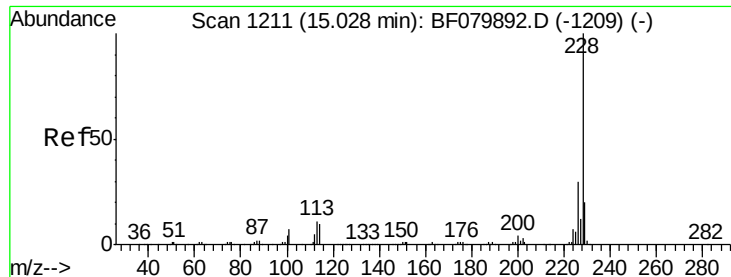
Tgt Ion:244 Resp: 650879
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.4 8.2
 122 7.6 7.8 11.8#



#80
 Benzo(a)anthracene
 Concen: 10.14 ng
 RT: 14.92 min Scan# 1035
 Delta R.T. 0.02 min
 Lab File: BF080013.D
 Acq: 17 Jun 2015 5:00

Tgt Ion:228 Resp: 133390
 Ion Ratio Lower Upper
 228 100
 226 30.0 21.8 32.8
 229 19.9 15.9 23.9





#82

Chrysene

Concen: 8.18 ng

RT: 14.96 min Scan# 1039

Delta R.T. 0.02 min

Lab File: BF080013.D

Acq: 17 Jun 2015 5:00

Instrument :

BNA_F

ClientSampled :

AST-HC-001

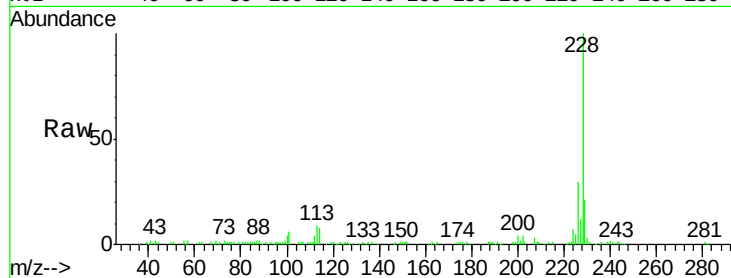
Tgt Ion: 228 Resp: 106732

Ion Ratio Lower Upper

228 100

226 30.5 23.9 35.9

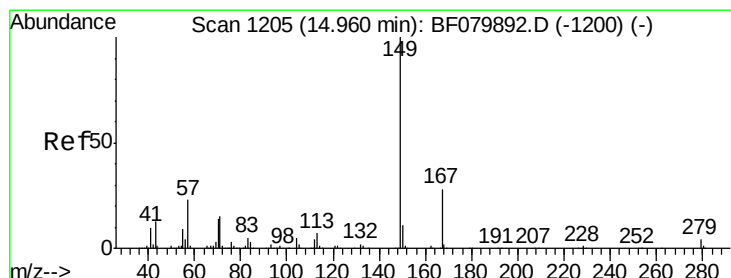
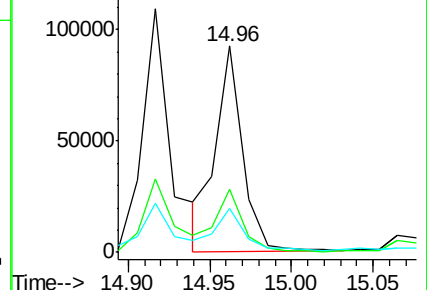
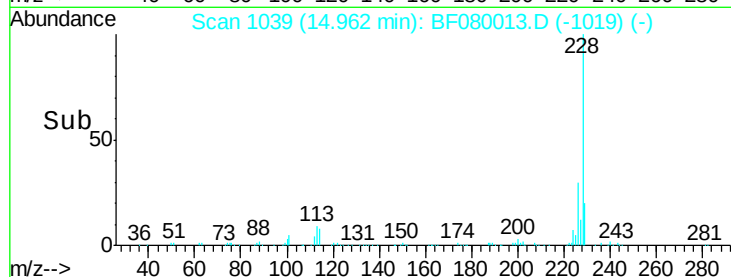
229 21.4 16.1 24.1



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 2.56 ng

RT: 14.89 min Scan# 1033

Delta R.T. 0.02 min

Lab File: BF080013.D

Acq: 17 Jun 2015 5:00

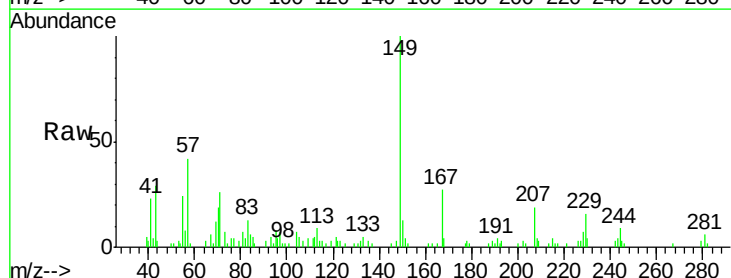
Tgt Ion: 149 Resp: 18000

Ion Ratio Lower Upper

149 100

167 26.6 22.2 33.4

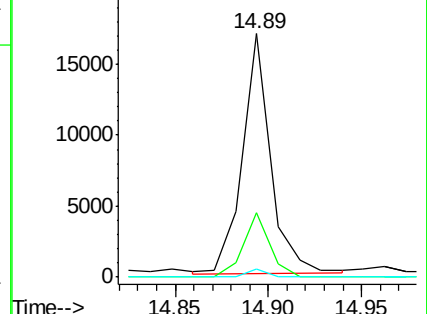
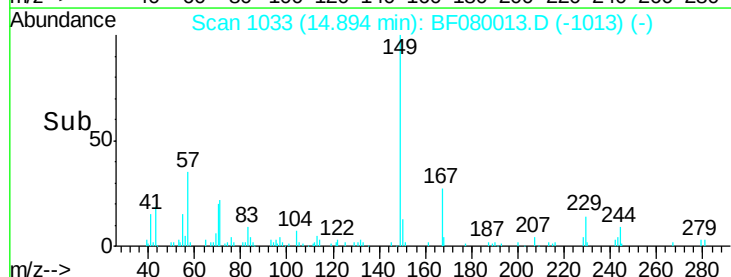
279 3.3 3.1 4.7

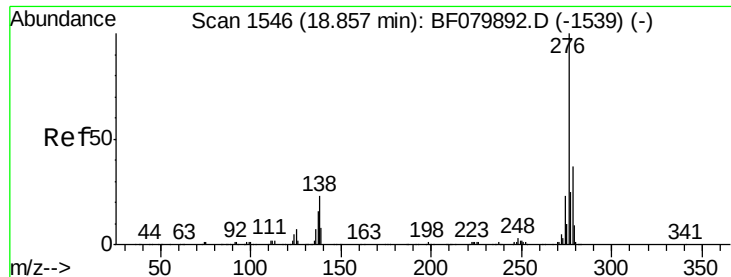


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Indeno(1,2,3-cd)pyrene

Concen: 4.14 ng

RT: 18.72 min Scan# 1368

Delta R.T. 0.05 min

Lab File: BF080013.D

Acq: 17 Jun 2015 5:00

Instrument :

BNA_F

ClientSampleId :

AST-HC-001

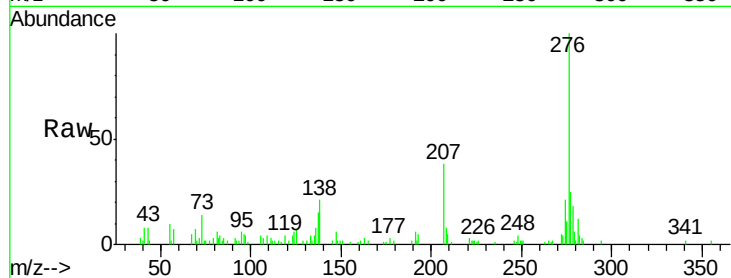
Tgt Ion: 276 Resp: 57068

Ion Ratio Lower Upper

276 100

138 20.1 21.0 31.4#

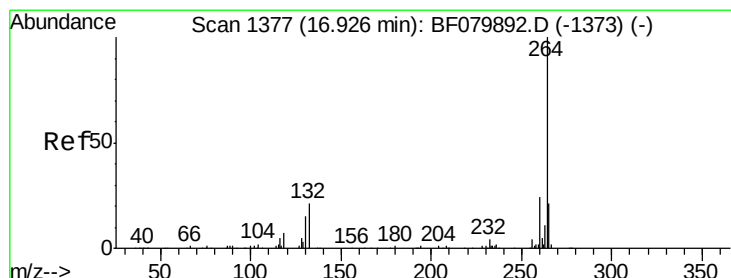
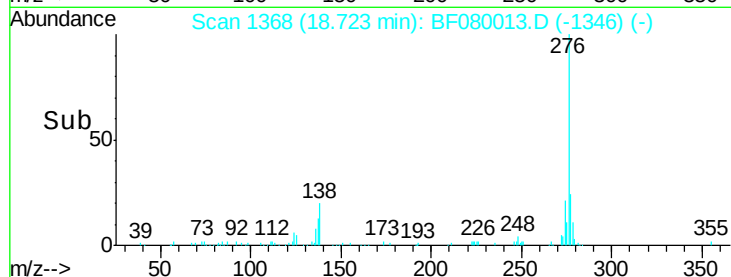
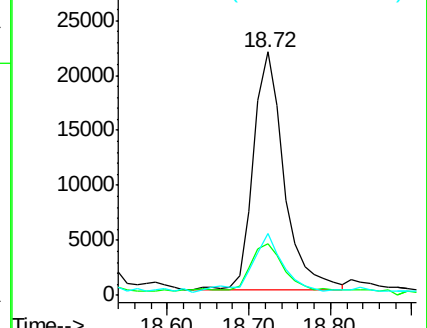
277 24.2 19.9 29.9



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: 16.85 min Scan# 1204

Delta R.T. 0.05 min

Lab File: BF080013.D

Acq: 17 Jun 2015 5:00

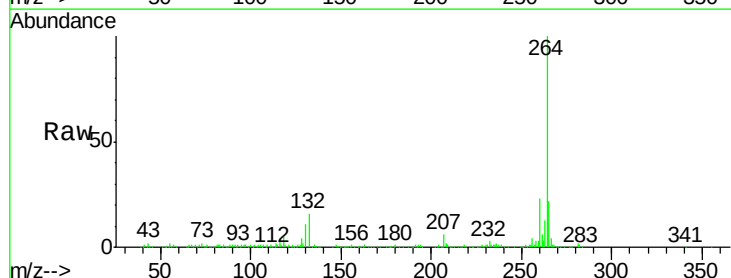
Tgt Ion: 264 Resp: 213948

Ion Ratio Lower Upper

264 100

260 23.4 19.3 28.9

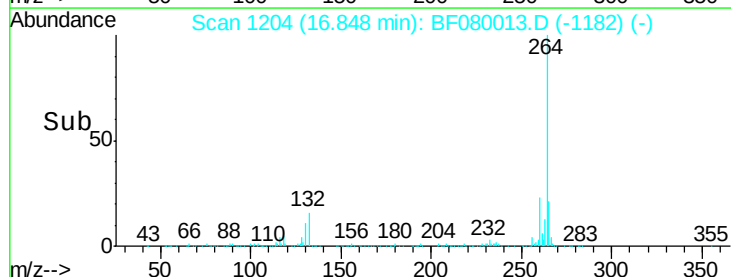
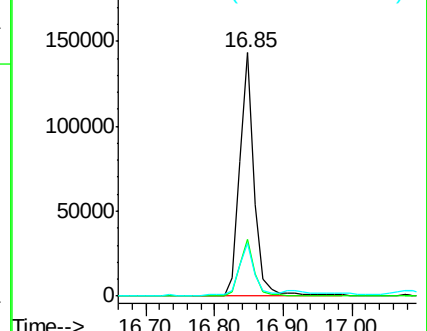
265 21.7 17.0 25.6

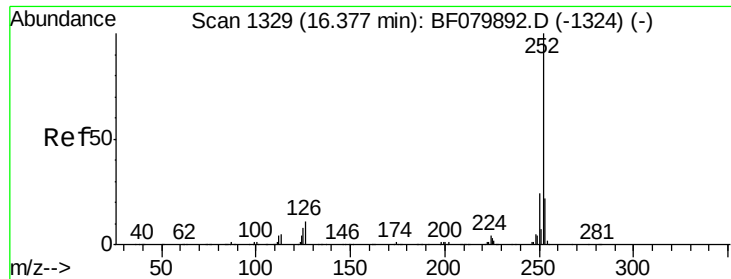


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

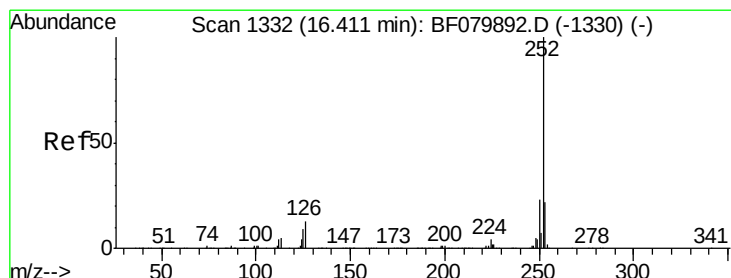
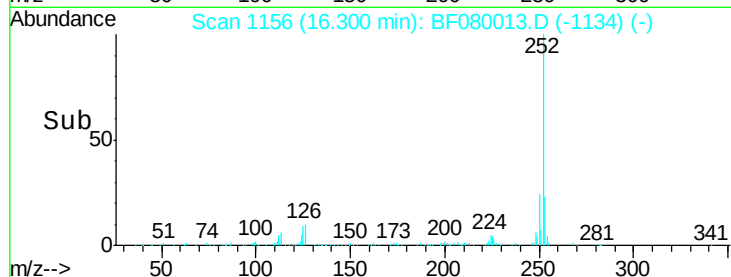
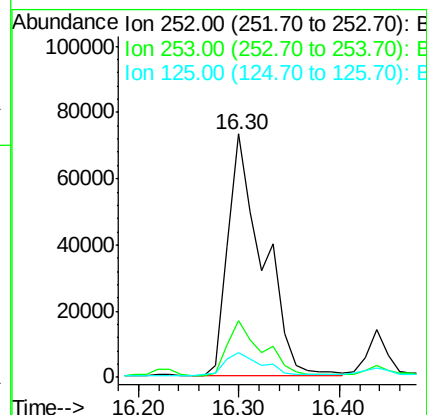
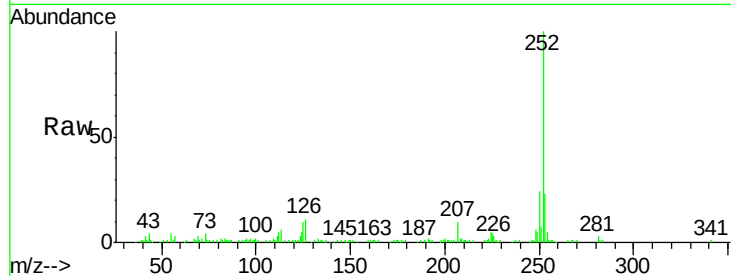




#87
Benzo(b)fluoranthene
Concen: 13.51 ng
RT: 16.30 min Scan# 1156
Delta R.T. 0.05 min
Lab File: BF080013.D
Acq: 17 Jun 2015 5:00

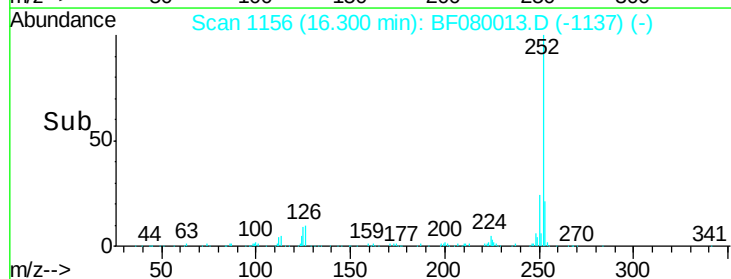
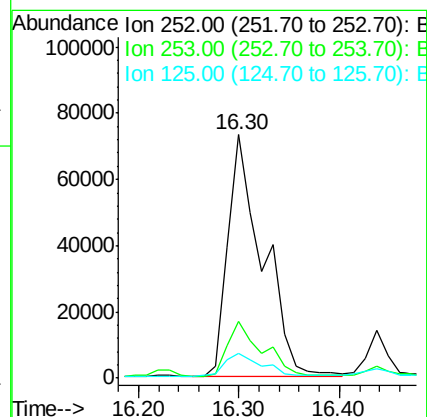
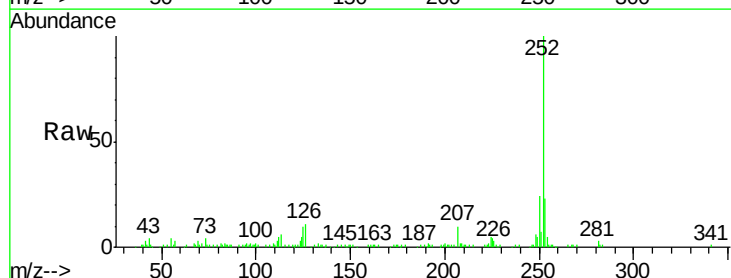
Instrument :
BNA_F
ClientSampleId :
AST-HC-001

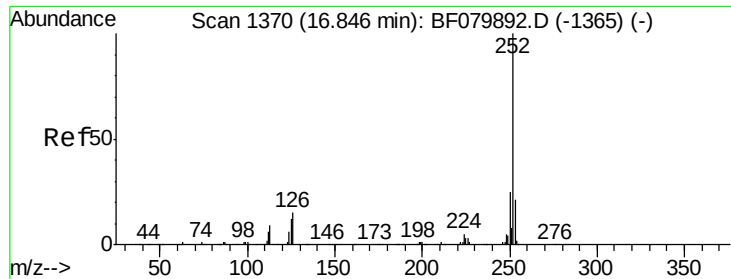
Tgt Ion:252 Resp: 177059
Ion Ratio Lower Upper
252 100
253 23.4 17.8 26.6
125 10.1 6.5 9.7#



#88
Benzo(k)fluoranthene
Concen: 13.24 ng
RT: 16.30 min Scan# 1156
Delta R.T. 0.01 min
Lab File: BF080013.D
Acq: 17 Jun 2015 5:00

Tgt Ion:252 Resp: 177059
Ion Ratio Lower Upper
252 100
253 23.4 17.4 26.2
125 10.1 7.4 11.0





#89

Benzo(a)pyrene

Concen: 5.66 ng

RT: 16.69 min Scan# 1190

Delta R.T. -0.03 min

Lab File: BF080013.D

Acq: 17 Jun 2015 5:00

Instrument :

BNA_F

ClientSampleId :

AST-HC-001

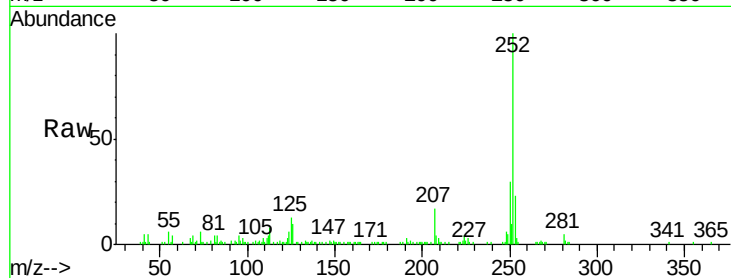
Tgt Ion:252 Resp: 70535

Ion Ratio Lower Upper

252 100

253 22.8 17.0 25.6

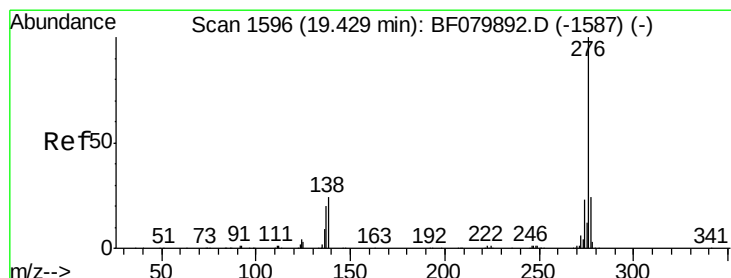
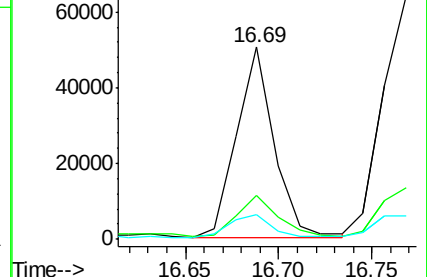
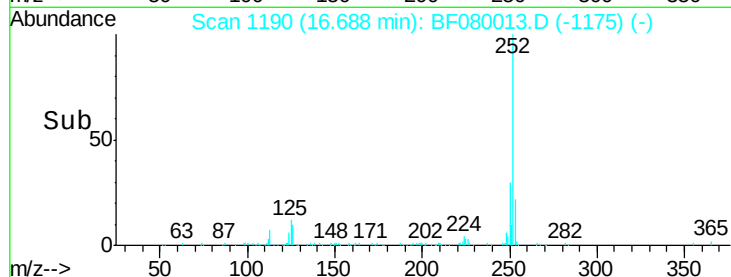
125 12.6 9.7 14.5



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: 4.76 ng

RT: 19.29 min Scan# 1418

Delta R.T. 0.06 min

Lab File: BF080013.D

Acq: 17 Jun 2015 5:00

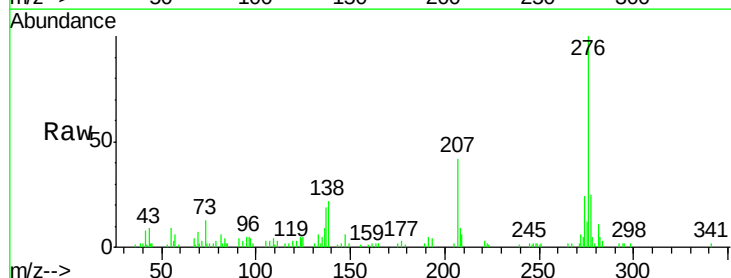
Tgt Ion:276 Resp: 60406

Ion Ratio Lower Upper

276 100

277 25.5 19.4 29.2

138 22.3 19.1 28.7



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

