

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061615\
 Data File : BF080011.D
 Acq On : 17 Jun 2015 4:02
 Operator : TP/IZ
 Sample : G2649-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 AST-TS-001

Quant Time: Jun 17 05:30:46 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

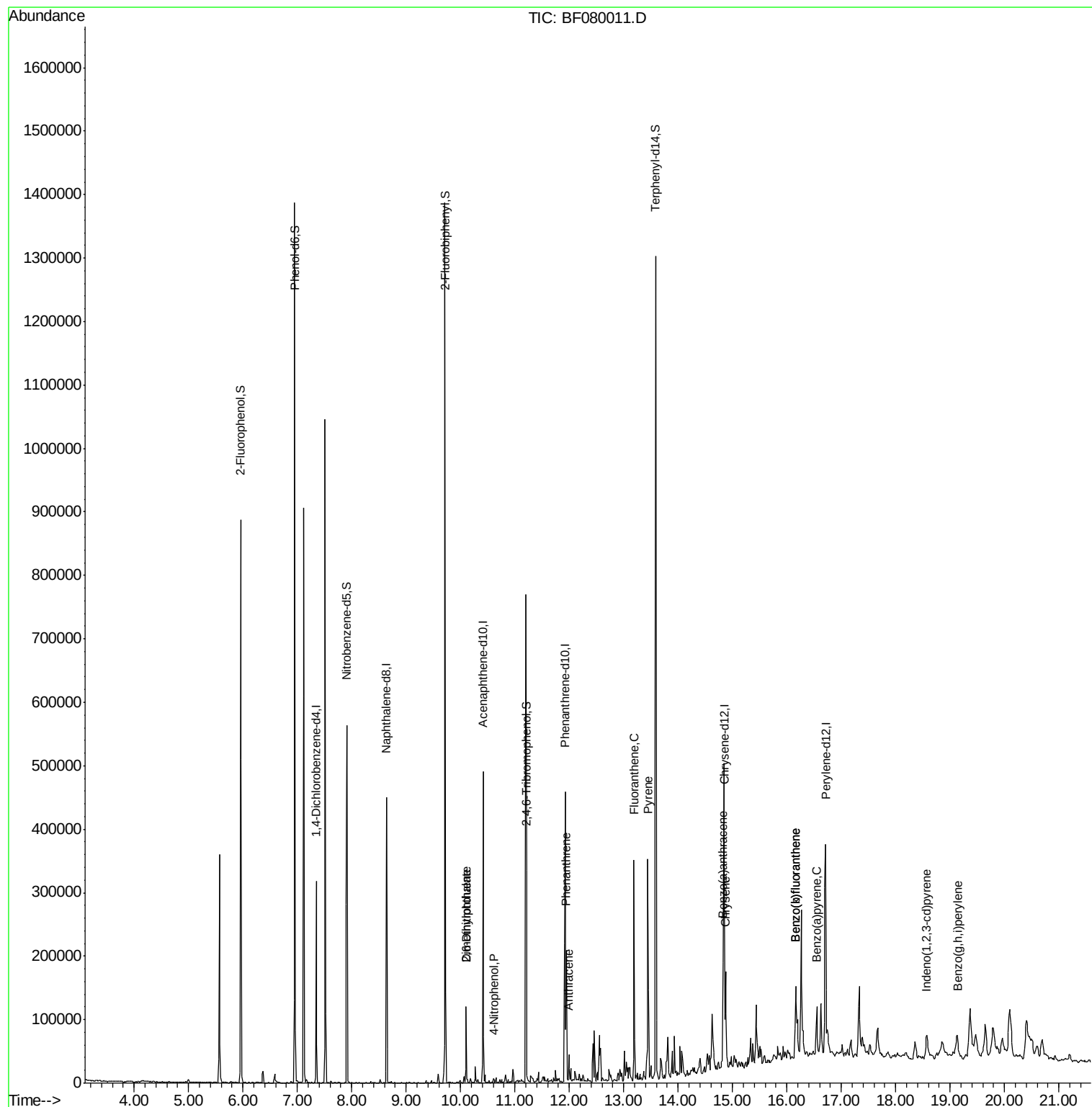
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.35	152	43519	20.00	ng	0.00
21) Naphthalene-d8	8.64	136	175073	20.00	ng	0.00
38) Acenaphthene-d10	10.41	164	88385	20.00	ng	0.00
63) Phenanthrene-d10	11.92	188	178310	20.00	ng	0.00
75) Chrysene-d12	14.85	240	203531	20.00	ng	-0.06
86) Perylene-d12	16.71	264	203463	20.00	ng	-0.09
System Monitoring Compounds						
5) 2-Fluorophenol	5.96	112	276155	116.36	ng	0.00
7) Phenol-d6	6.95	99	395403	122.28	ng	0.00
23) Nitrobenzene-d5	7.91	82	200194	75.45	ng	0.00
41) 2,4,6-Tribromophenol	11.21	330	89081	100.75	ng	0.00
44) 2-Fluorobiphenyl	9.72	172	373899	59.24	ng	0.00
78) Terphenyl-d14	13.59	244	440254	49.87	ng	-0.03
Target Compounds						Qvalue
49) Dimethylphthalate	10.10	163	44836	6.33	ng	98
50) 2,6-Dinitrotoluene	10.10	165	362	3.31	ng	# 1
55) 4-Nitrophenol	10.62	139	506	2.99	ng	# 1
70) Phenanthrene	11.94	178	78301	7.37	ng	99
71) Anthracene	11.99	178	21605	2.10	ng	99
74) Fluoranthene	13.19	202	135365	11.52	ng	99
77) Pyrene	13.44	202	161657	12.65	ng	100
80) Benzo(a)anthracene	14.83	228	78167	6.05	ng	97
82) Chrysene	14.87	228	76257	5.60	ng	97
85) Indeno(1,2,3-cd)pyrene	18.56	276	36736	2.71	ng	# 90
87) Benzo(b)fluoranthene	16.16	252	108466	8.70	ng	97
88) Benzo(k)fluoranthene	16.16	252	108466	8.53	ng	97
89) Benzo(a)pyrene	16.55	252	41599	3.51	ng	97
91) Benzo(g,h,i)perylene	19.13	276	42954	3.56	ng	98

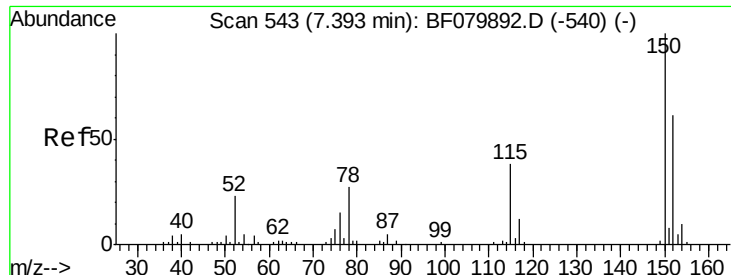
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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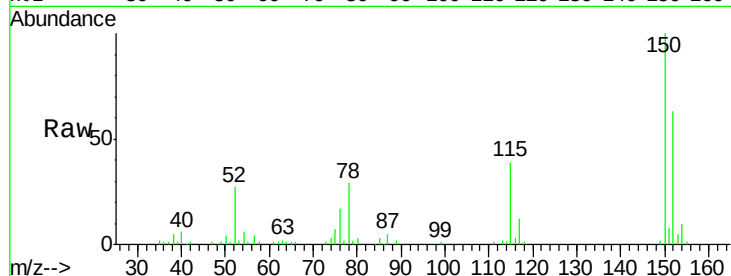




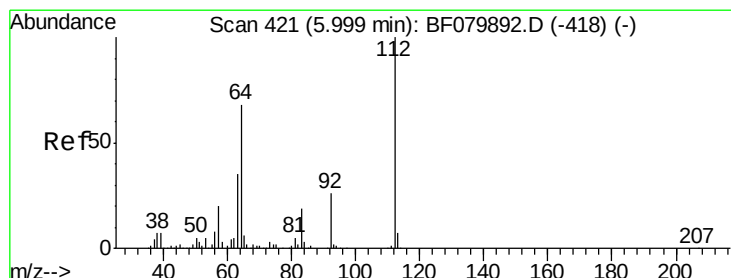
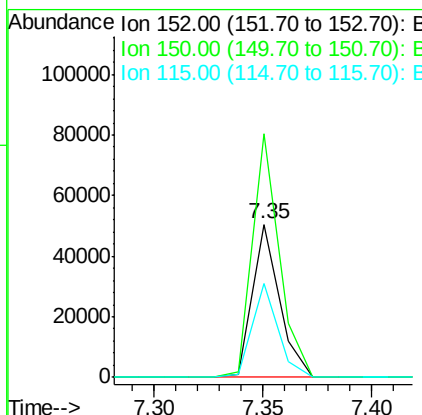
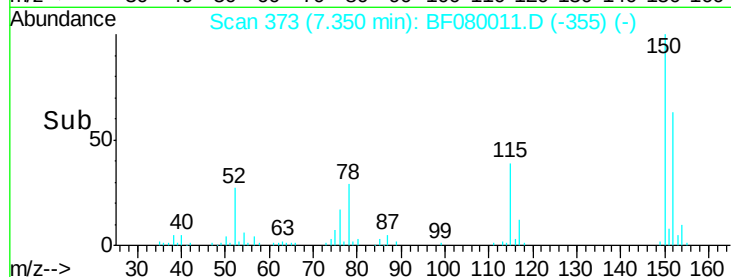
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.35 min Scan# 373
 Delta R.T. 0.00 min
 Lab File: BF080011.D
 Acq: 17 Jun 2015 4:02

Instrument :
 BNA_F
 ClientSampleId :
 AST-TS-001

Tgt Ion:152 Resp: 43519
 Ion Ratio Lower Upper
 152 100
 150 158.9 131.0 196.4
 115 61.5 49.8 74.6

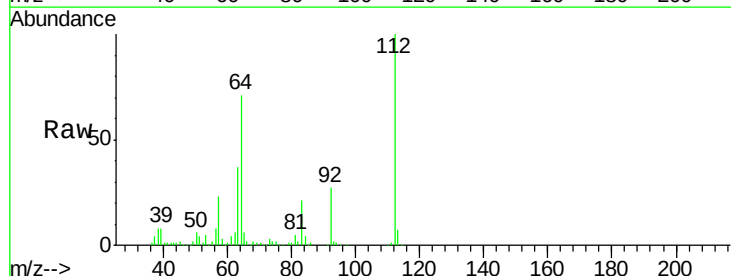


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

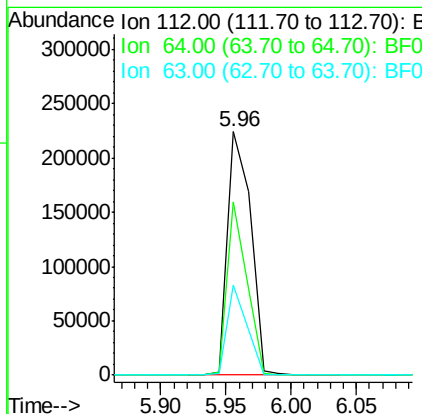
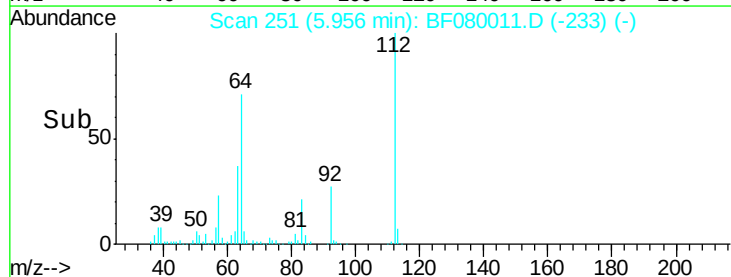


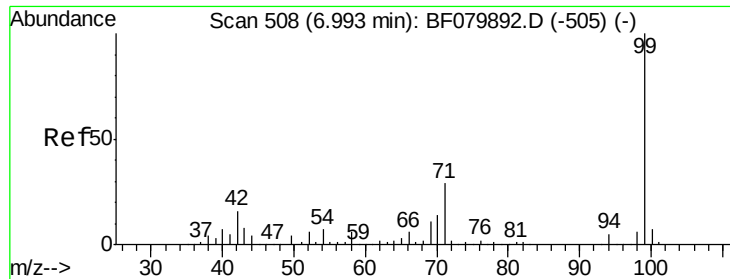
#5
 2-Fluorophenol
 Concen: 116.36 ng
 RT: 5.96 min Scan# 251
 Delta R.T. 0.00 min
 Lab File: BF080011.D
 Acq: 17 Jun 2015 4:02

Tgt Ion:112 Resp: 276155
 Ion Ratio Lower Upper
 112 100
 64 71.4 54.5 81.7
 63 36.7 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: 122.28 ng

RT: 6.95 min Scan# 338

Delta R.T. 0.00 min

Lab File: BF080011.D

Acq: 17 Jun 2015 4:02

Instrument :

BNA_F

ClientSampleId :

AST-TS-001

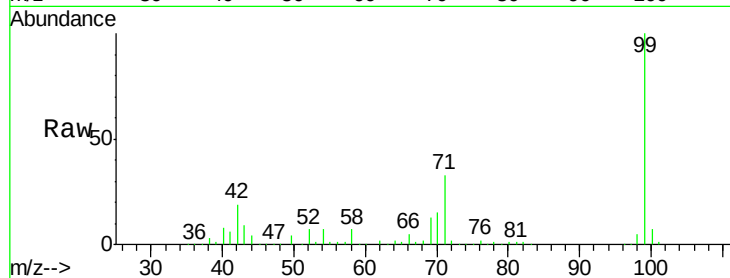
Tgt Ion: 99 Resp: 395403

Ion Ratio Lower Upper

99 100

42 19.3 12.9 19.3

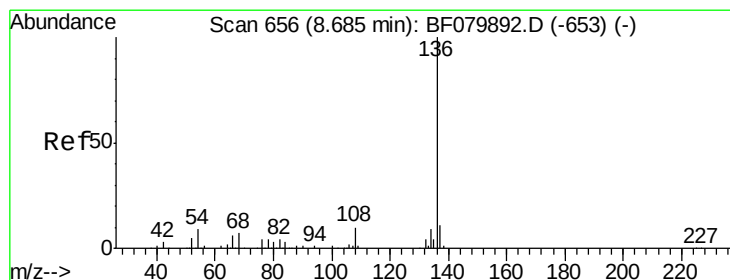
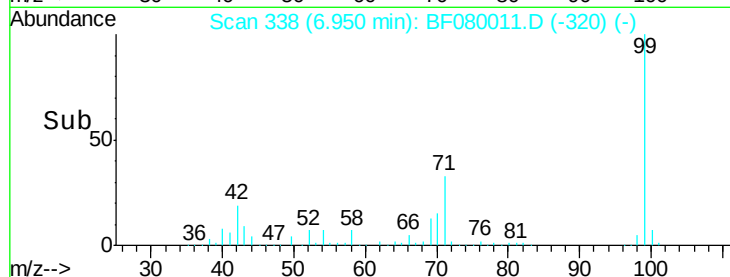
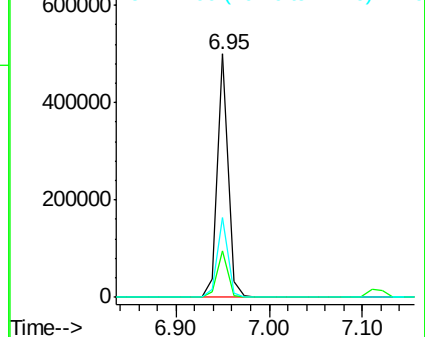
71 33.0 23.4 35.2



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: BF080011.D

Acq: 17 Jun 2015 4:02

Tgt Ion: 136 Resp: 175073

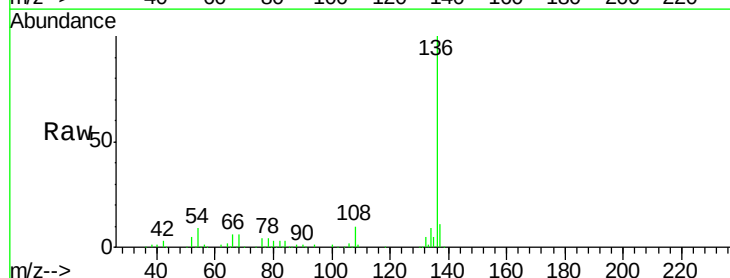
Ion Ratio Lower Upper

136 100

137 10.5 8.7 13.1

54 8.8 7.3 10.9

68 6.4 5.9 8.9

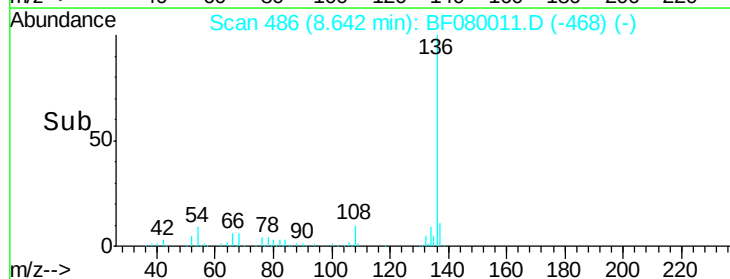
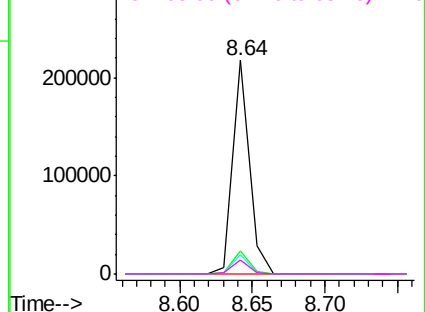


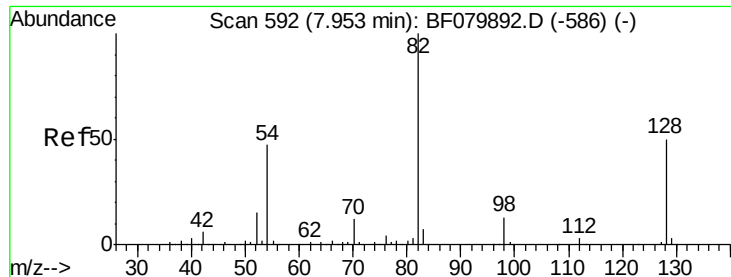
Abundance Ion 136.00 (135.70 to 136.70): E

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: 75.45 ng

RT: 7.91 min Scan# 422

Delta R.T. 0.00 min

Lab File: BF080011.D

Acq: 17 Jun 2015 4:02

Instrument :

BNA_F

ClientSampleId :

AST-TS-001

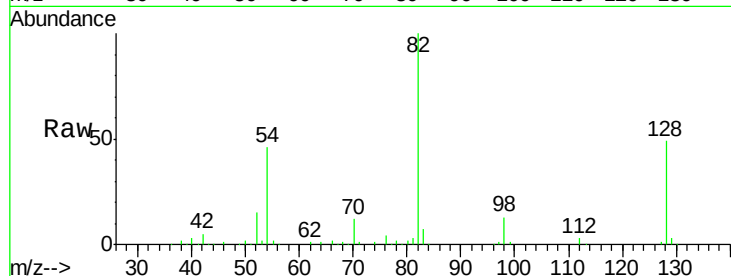
Tgt Ion: 82 Resp: 200194

Ion Ratio Lower Upper

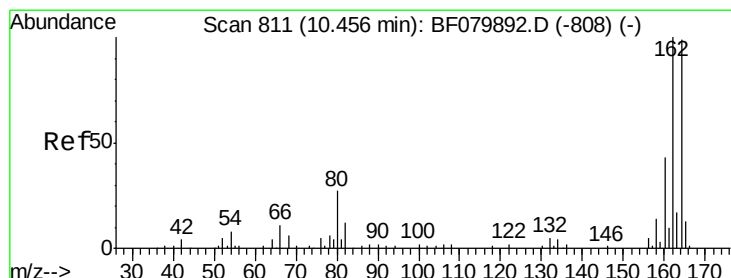
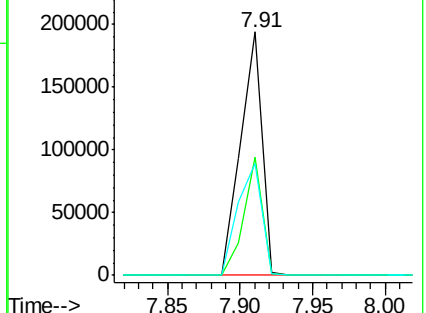
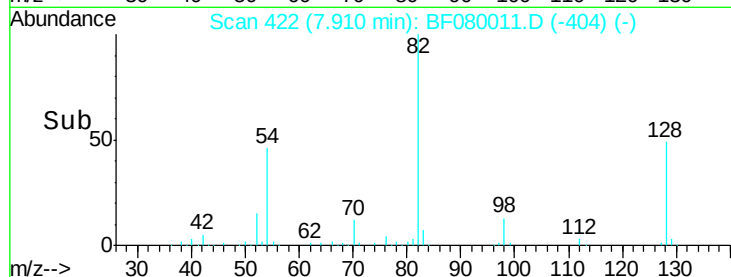
82 100

128 48.7 40.3 60.5

54 45.7 38.0 57.0



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): B
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: BF080011.D

Acq: 17 Jun 2015 4:02

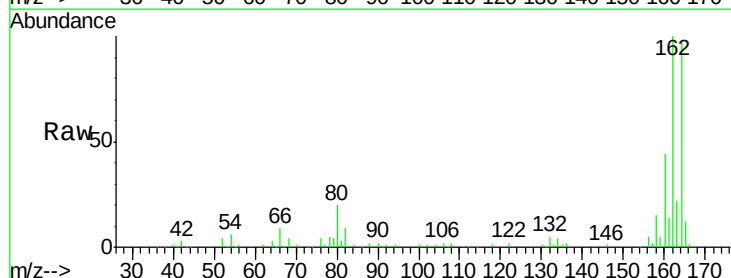
Tgt Ion: 164 Resp: 88385

Ion Ratio Lower Upper

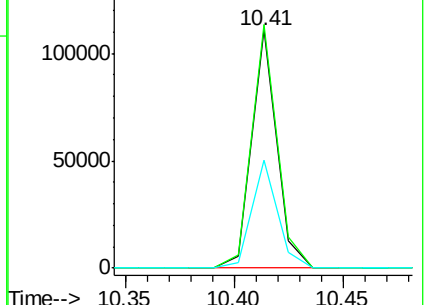
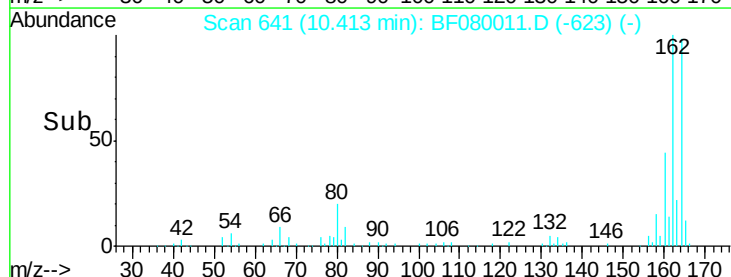
164 100

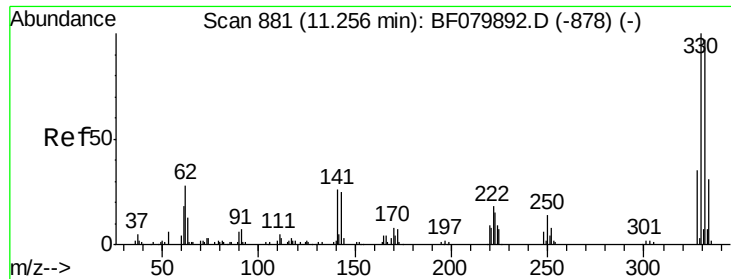
162 102.2 80.7 121.1

160 45.5 34.6 51.8



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

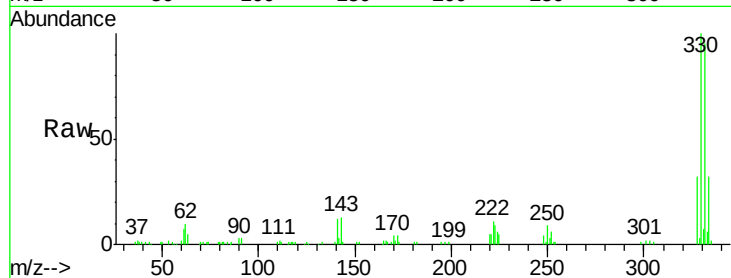




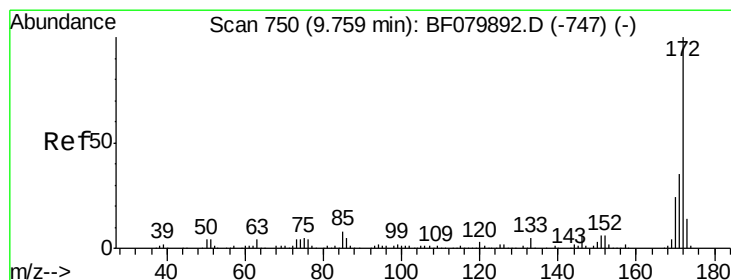
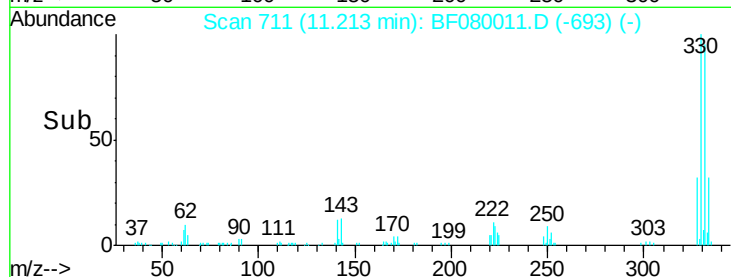
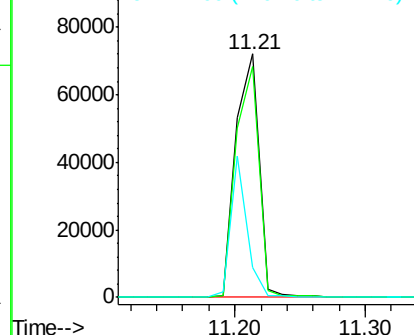
#41
 2,4,6-Tribromophenol
 Concen: 100.75 ng
 RT: 11.21 min Scan# 711
 Delta R.T. 0.00 min
 Lab File: BF080011.D
 Acq: 17 Jun 2015 4:02

Instrument :
 BNA_F
 ClientSampleId :
 AST-TS-001

Tgt Ion:330 Resp: 89081
 Ion Ratio Lower Upper
 330 100
 332 94.3 77.3 115.9
 141 40.9 26.8 40.2#

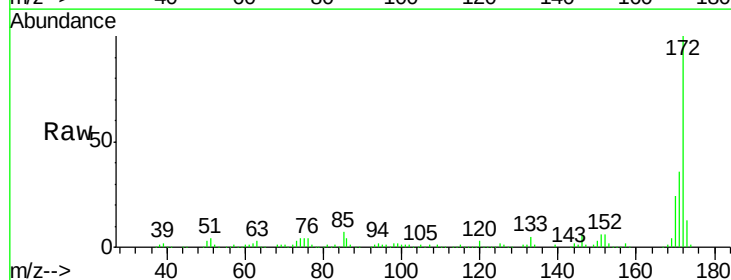


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

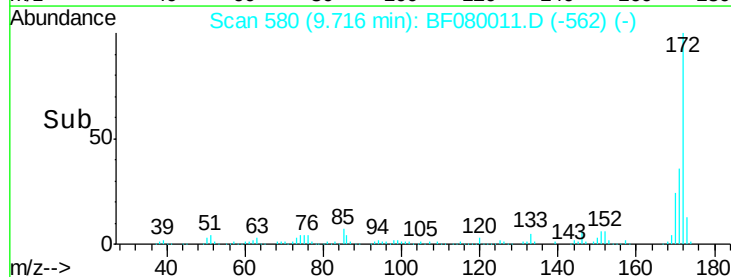
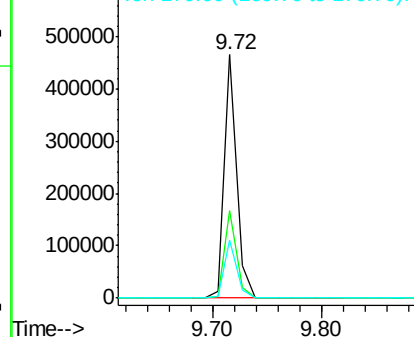


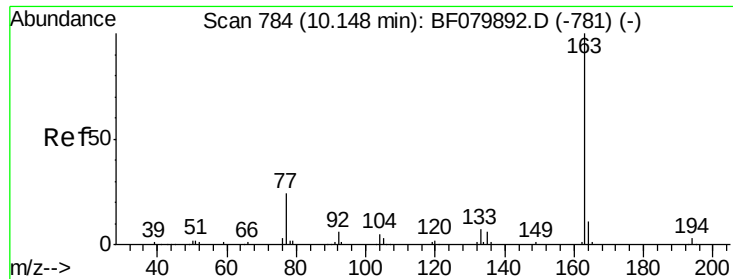
#44
 2-Fluorobiphenyl
 Concen: 59.24 ng
 RT: 9.72 min Scan# 580
 Delta R.T. 0.00 min
 Lab File: BF080011.D
 Acq: 17 Jun 2015 4:02

Tgt Ion:172 Resp: 373899
 Ion Ratio Lower Upper
 172 100
 171 35.7 28.3 42.5
 170 23.9 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

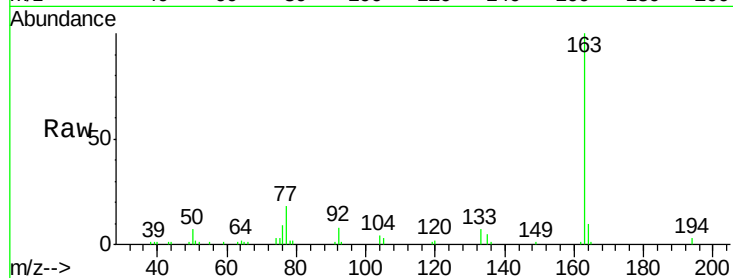




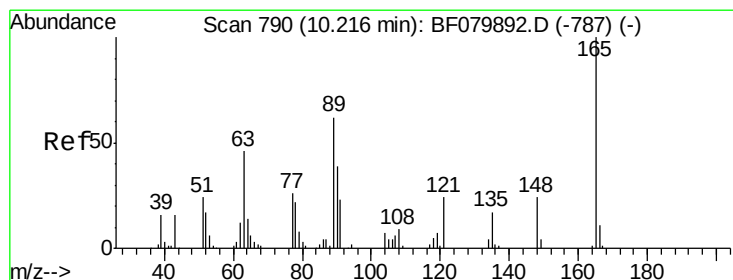
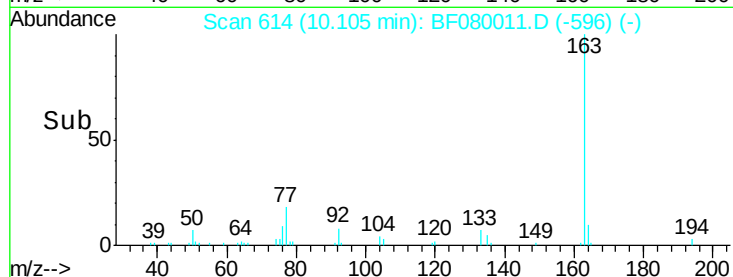
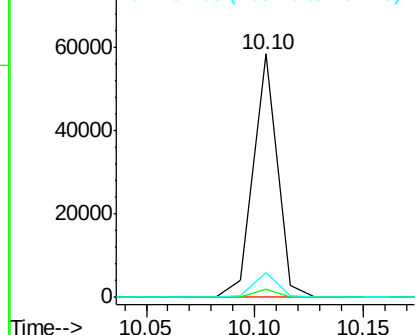
#49
Dimethylphthalate
Concen: 6.33 ng
RT: 10.10 min Scan# 614
Delta R.T. 0.00 min
Lab File: BF080011.D
Acq: 17 Jun 2015 4:02

Instrument :
BNA_F
ClientSampleId :
AST-TS-001

Tgt Ion:163 Resp: 44836
Ion Ratio Lower Upper
163 100
194 3.2 2.6 4.0
164 10.0 8.6 12.8

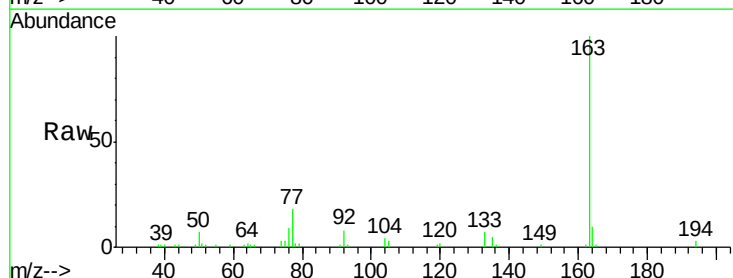


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

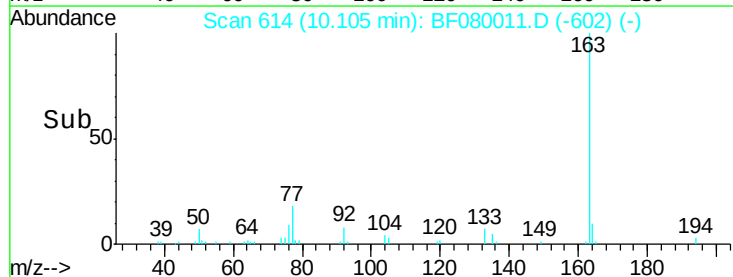
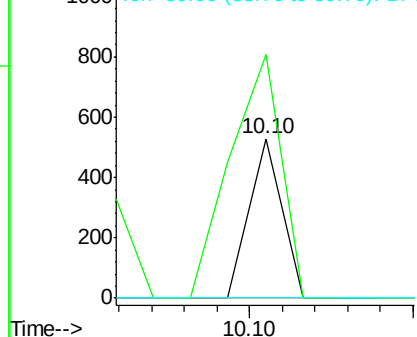


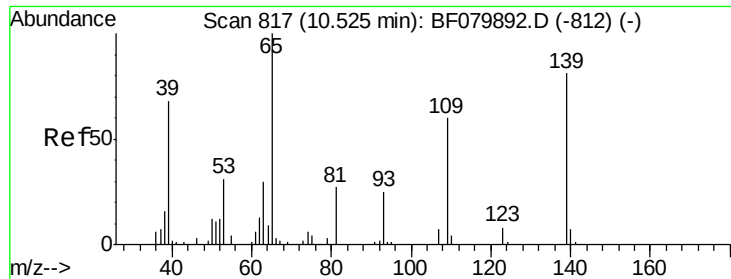
#50
2,6-Dinitrotoluene
Concen: 3.31 ng
RT: 10.10 min Scan# 614
Delta R.T. -0.07 min
Lab File: BF080011.D
Acq: 17 Jun 2015 4:02

Tgt Ion:165 Resp: 362
Ion Ratio Lower Upper
165 100
63 152.8 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: 2.99 ng

RT: 10.62 min Scan# 659

Delta R.T. 0.13 min

Lab File: BF080011.D

Acq: 17 Jun 2015 4:02

Instrument :

BNA_F

ClientSampleId :

AST-TS-001

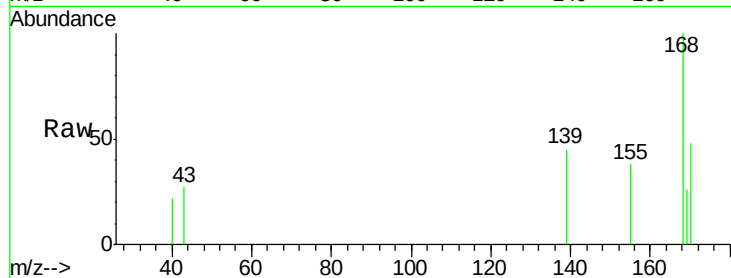
Tgt Ion:139 Resp: 506

Ion Ratio Lower Upper

139 100

109 0.0 54.8 94.8#

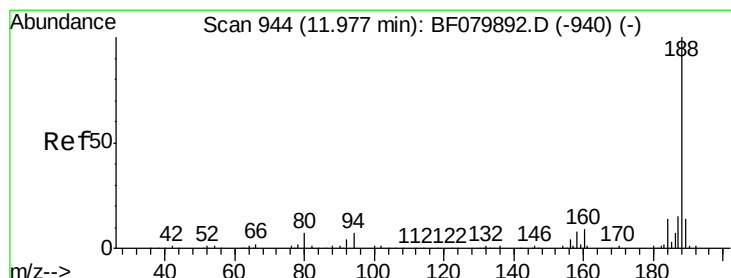
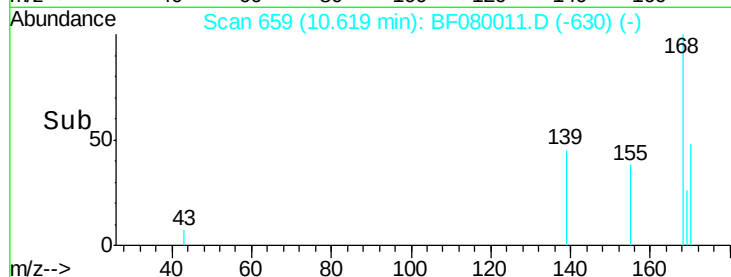
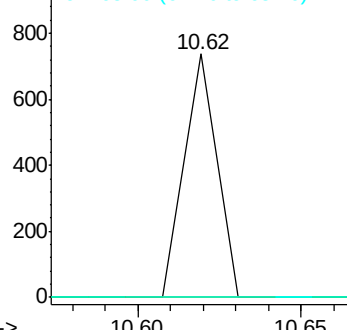
65 0.0 104.8 144.8#



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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.92 min Scan# 773

Delta R.T. 0.00 min

Lab File: BF080011.D

Acq: 17 Jun 2015 4:02

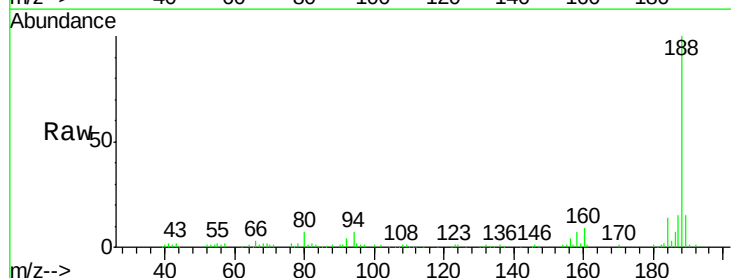
Tgt Ion:188 Resp: 178310

Ion Ratio Lower Upper

188 100

94 6.6 5.8 8.8

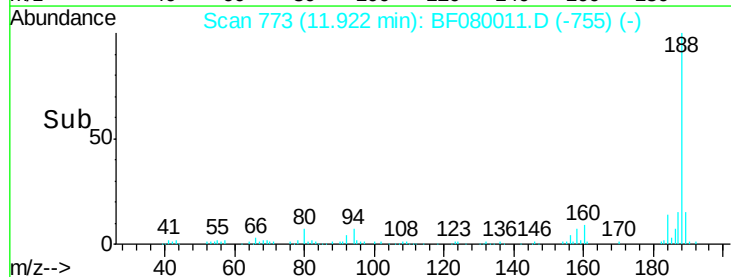
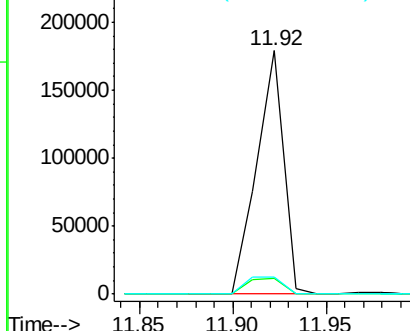
80 7.0 5.9 8.9

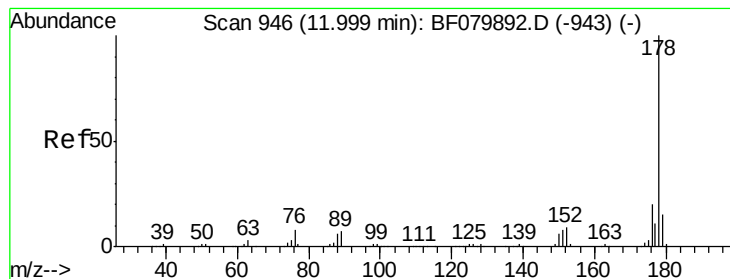


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 7.37 ng

RT: 11.94 min Scan# 775

Delta R.T. 0.00 min

Lab File: BF080011.D

Acq: 17 Jun 2015 4:02

Instrument :

BNA_F

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AST-TS-001

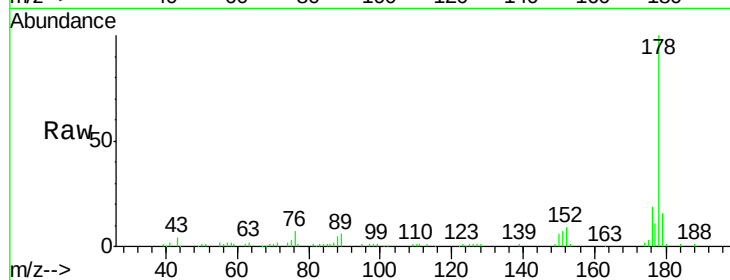
Tgt Ion:178 Resp: 78301

Ion Ratio Lower Upper

178 100

176 19.1 15.9 23.9

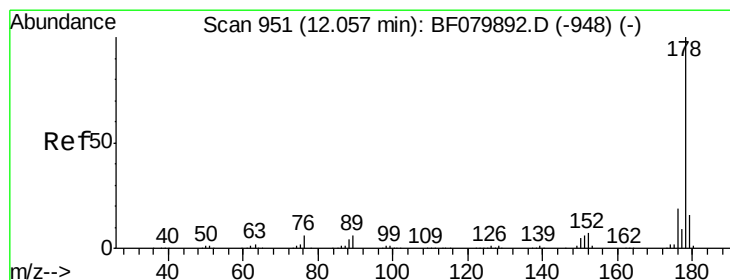
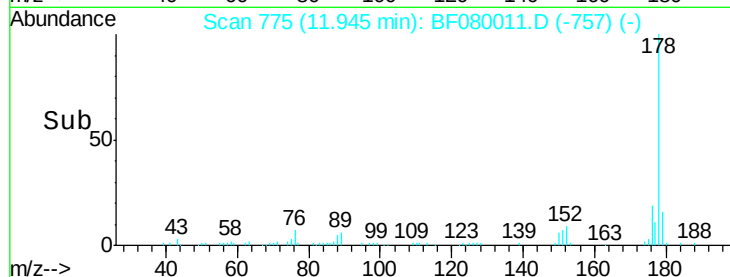
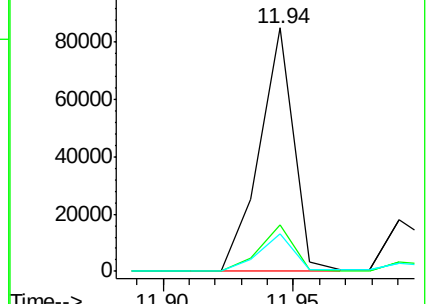
179 15.5 12.3 18.5



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: 2.10 ng

RT: 11.99 min Scan# 779

Delta R.T. -0.01 min

Lab File: BF080011.D

Acq: 17 Jun 2015 4:02

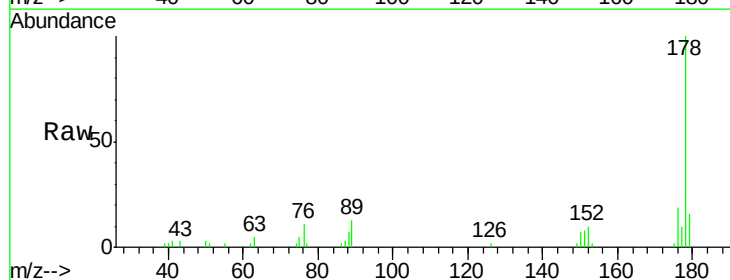
Tgt Ion:178 Resp: 21605

Ion Ratio Lower Upper

178 100

176 19.2 15.2 22.8

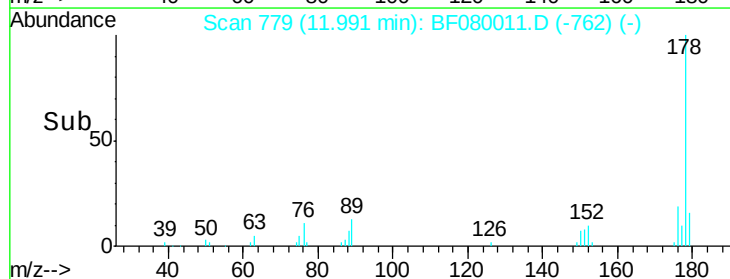
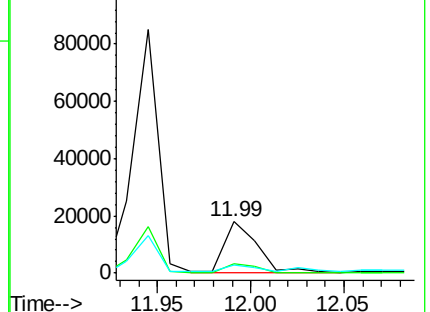
179 16.0 12.5 18.7

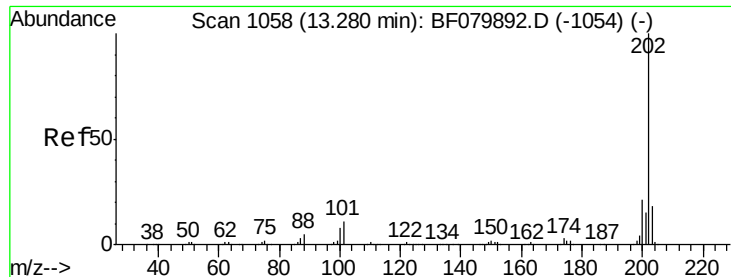


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 11.52 ng

RT: 13.19 min Scan# 884

Delta R.T. -0.02 min

Lab File: BF080011.D

Acq: 17 Jun 2015 4:02

Instrument :

BNA_F

ClientSampleId :

AST-TS-001

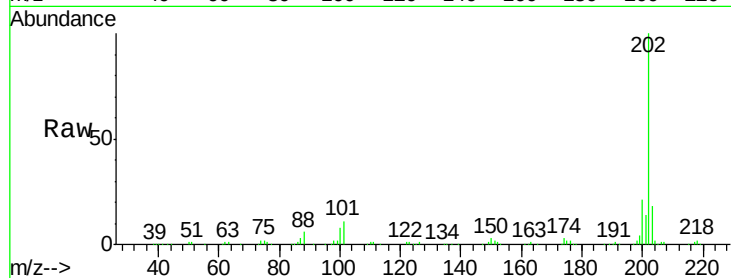
Tgt Ion: 202 Resp: 135365

Ion Ratio Lower Upper

202 100

101 11.5 0.0 30.7

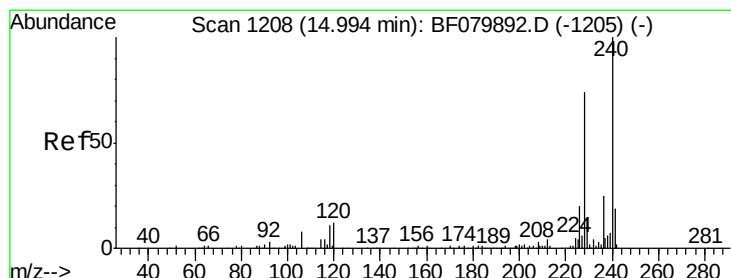
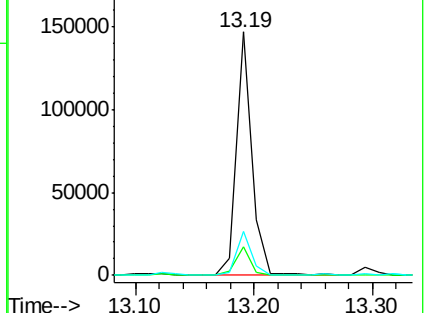
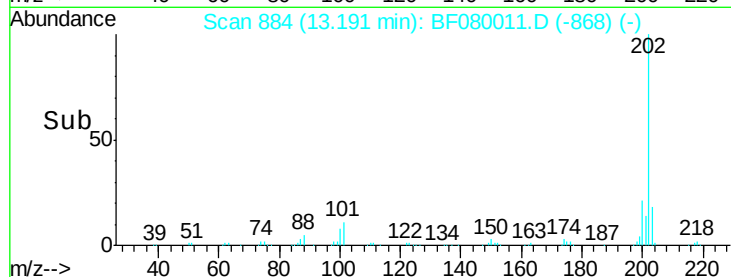
203 18.1 0.0 38.0



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: 14.85 min Scan# 1029

Delta R.T. -0.06 min

Lab File: BF080011.D

Acq: 17 Jun 2015 4:02

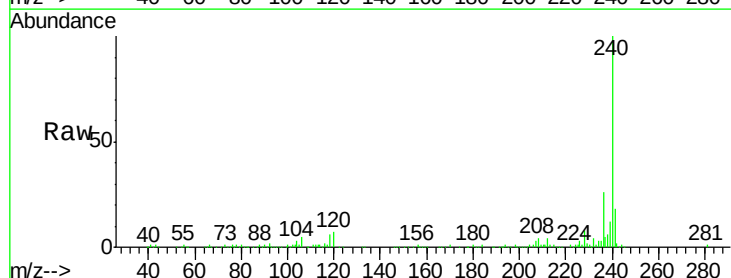
Tgt Ion: 240 Resp: 203531

Ion Ratio Lower Upper

240 100

120 7.1 9.4 14.2#

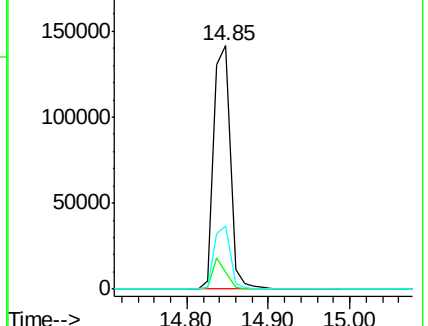
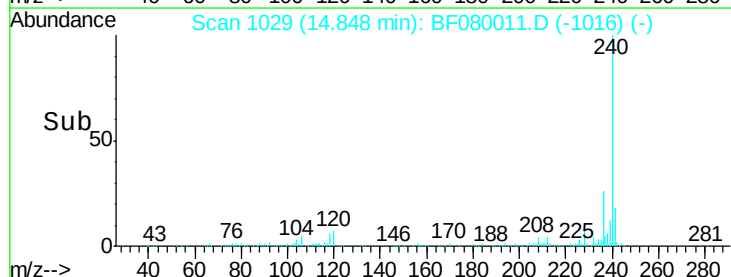
236 26.0 19.6 29.4

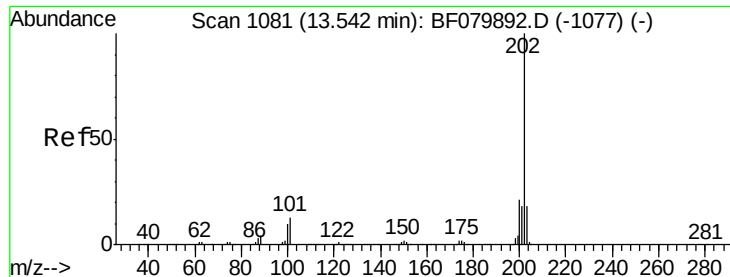


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

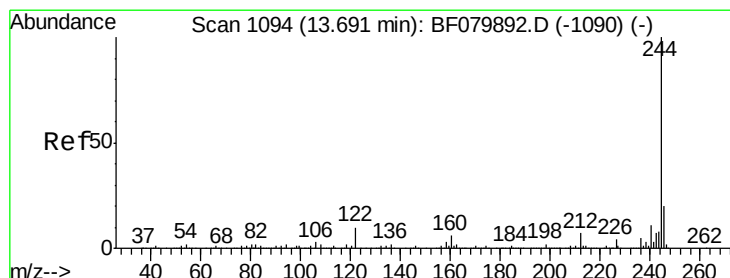
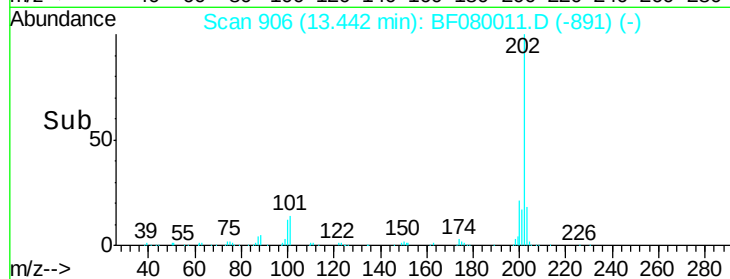
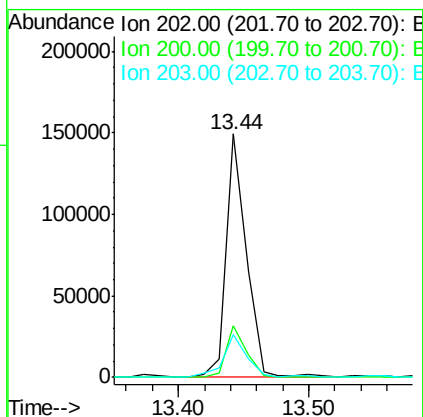
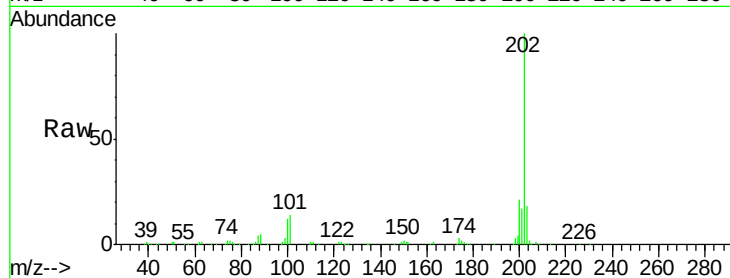




#77
 Pyrene
 Concen: 12.65 ng
 RT: 13.44 min Scan# 906
 Delta R.T. -0.03 min
 Lab File: BF080011.D
 Acq: 17 Jun 2015 4:02

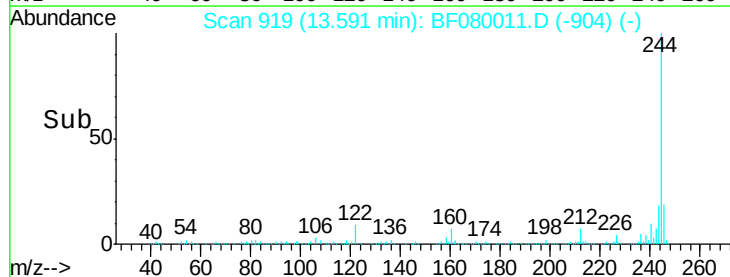
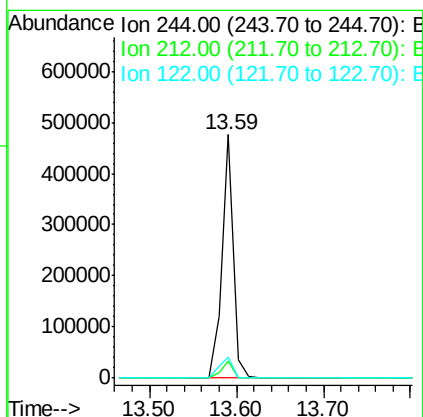
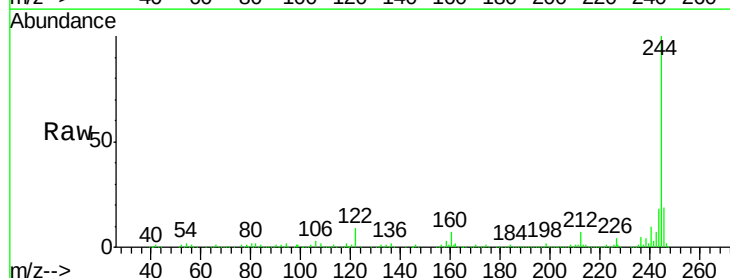
Instrument :
 BNA_F
 ClientSampleId :
 AST-TS-001

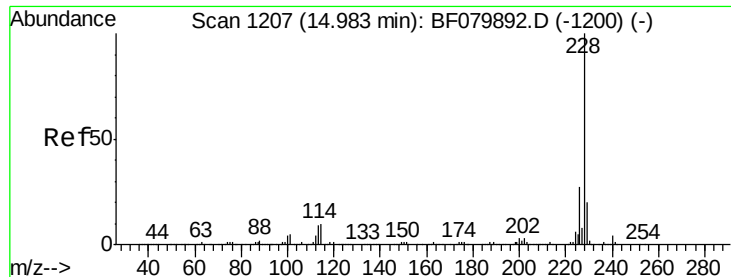
Tgt Ion: 202 Resp: 161657
 Ion Ratio Lower Upper
 202 100
 200 21.2 16.8 25.2
 203 17.8 14.4 21.6



#78
 Terphenyl-d14
 Concen: 49.87 ng
 RT: 13.59 min Scan# 919
 Delta R.T. -0.03 min
 Lab File: BF080011.D
 Acq: 17 Jun 2015 4:02

Tgt Ion: 244 Resp: 440254
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.4 8.2
 122 8.7 7.8 11.8





#80

Benzo(a)anthracene

Concen: 6.05 ng

RT: 14.83 min Scan# 1027

Delta R.T. -0.07 min

Lab File: BF080011.D

Acq: 17 Jun 2015 4:02

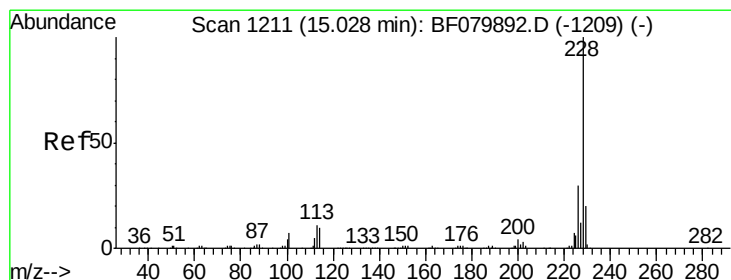
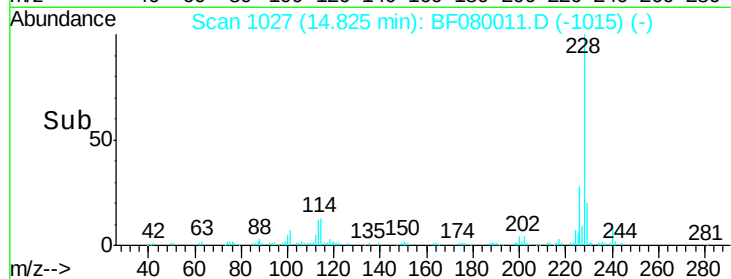
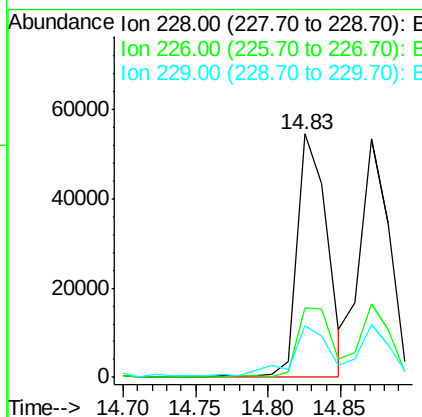
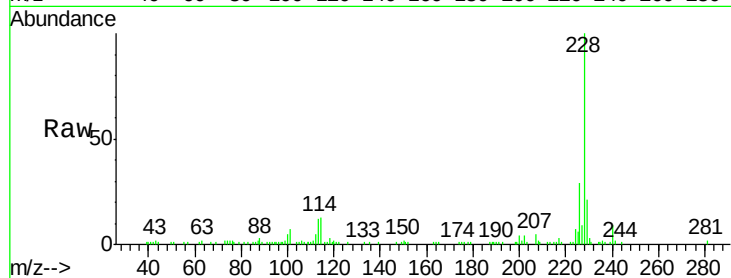
Instrument :

BNA_F

ClientSampleId :

AST-TS-001

Tgt Ion:	228	Resp:	78167
Ion	Ratio	Lower	Upper
228	100		
226	28.6	21.8	32.8
229	21.3	15.9	23.9



#82

Chrysene

Concen: 5.60 ng

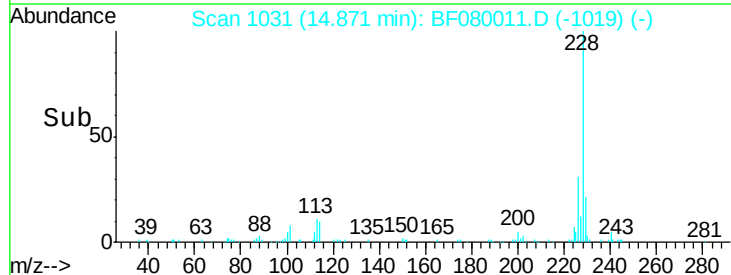
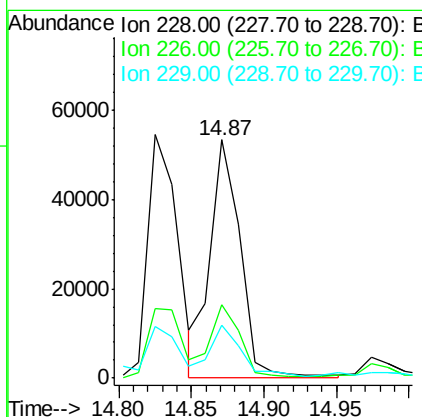
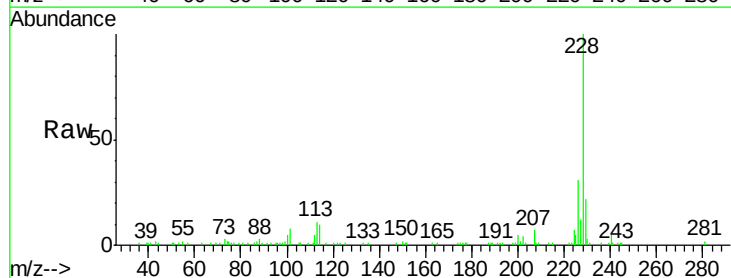
RT: 14.87 min Scan# 1031

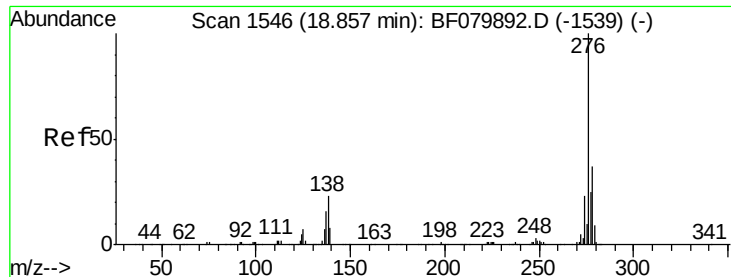
Delta R.T. -0.07 min

Lab File: BF080011.D

Acq: 17 Jun 2015 4:02

Tgt Ion:	228	Resp:	76257
Ion	Ratio	Lower	Upper
228	100		
226	31.0	23.9	35.9
229	22.4	16.1	24.1

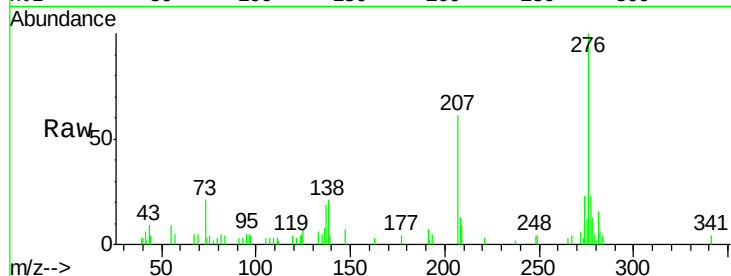




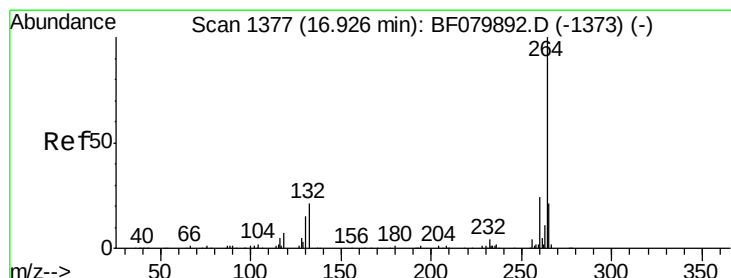
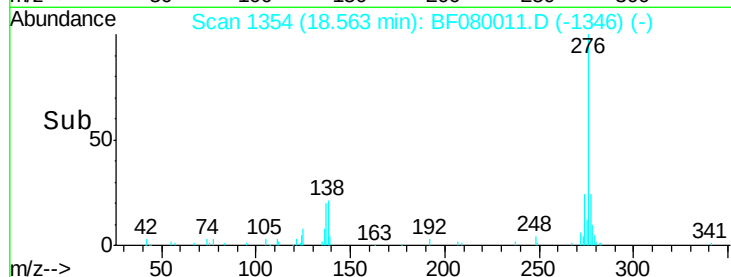
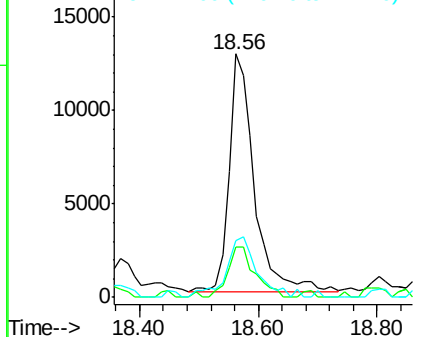
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.71 ng
 RT: 18.56 min Scan# 1354
 Delta R.T. -0.11 min
 Lab File: BF080011.D
 Acq: 17 Jun 2015 4:02

Instrument :
 BNA_F
 ClientSampleId :
 AST-TS-001

Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.2	21.0	31.4
277	32.0	19.9	29.9#

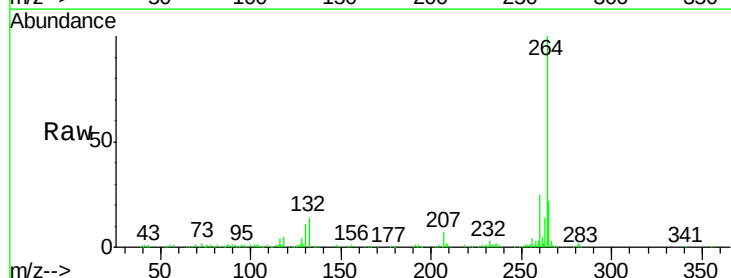


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

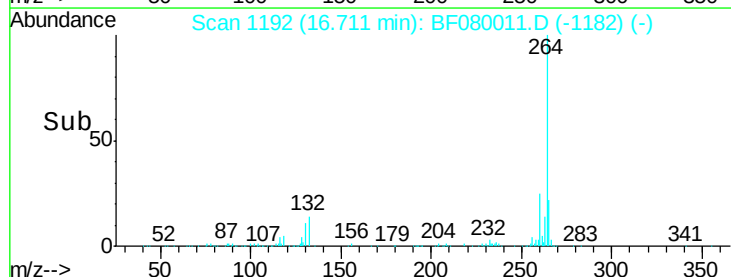
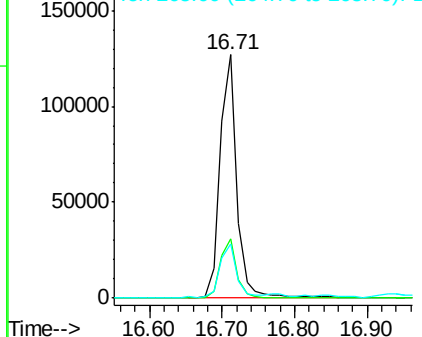


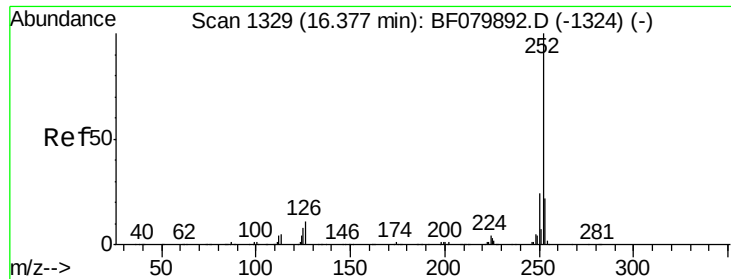
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 16.71 min Scan# 1192
 Delta R.T. -0.09 min
 Lab File: BF080011.D
 Acq: 17 Jun 2015 4:02

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.3	28.9
265	22.1	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

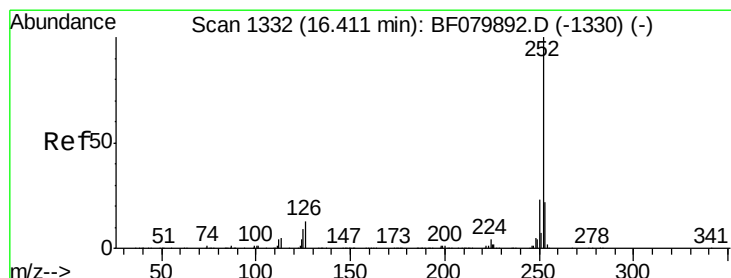
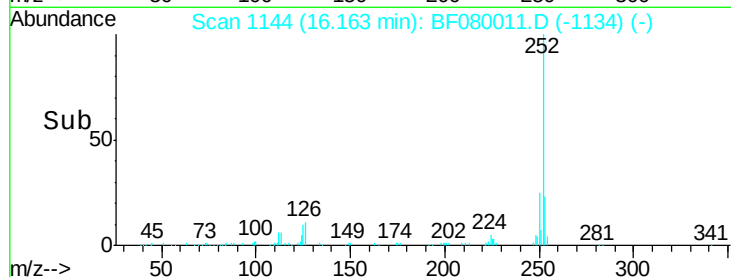
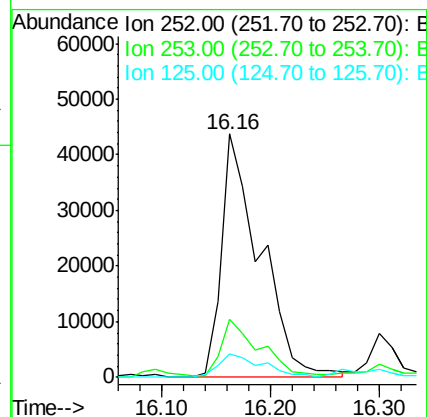
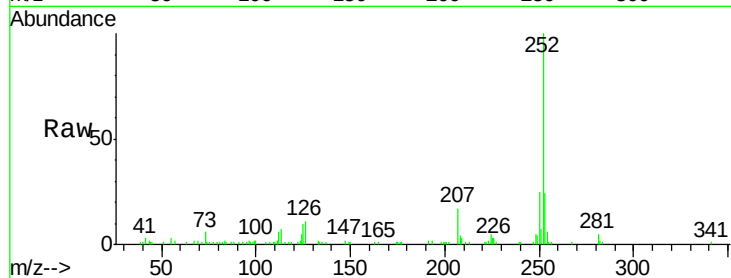




#87
Benzo(b)fluoranthene
Concen: 8.70 ng
RT: 16.16 min Scan# 1144
Delta R.T. -0.09 min
Lab File: BF080011.D
Acq: 17 Jun 2015 4:02

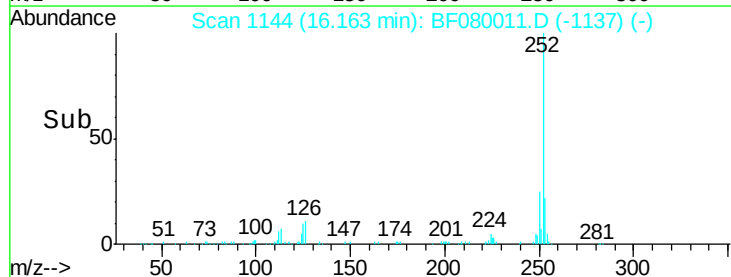
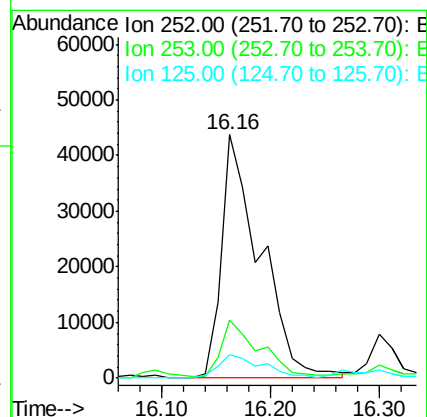
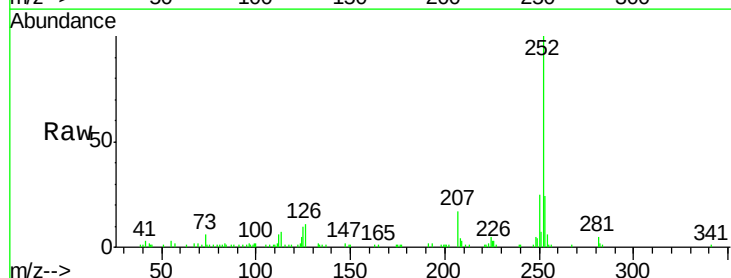
Instrument :
BNA_F
ClientSampleId :
AST-TS-001

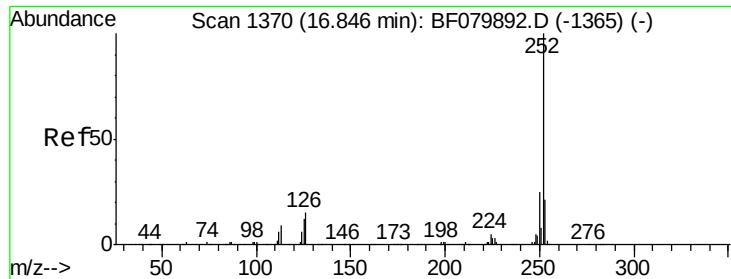
Tgt Ion:252 Resp: 108466
Ion Ratio Lower Upper
252 100
253 23.7 17.8 26.6
125 9.7 6.5 9.7



#88
Benzo(k)fluoranthene
Concen: 8.53 ng
RT: 16.16 min Scan# 1144
Delta R.T. -0.13 min
Lab File: BF080011.D
Acq: 17 Jun 2015 4:02

Tgt Ion:252 Resp: 108466
Ion Ratio Lower Upper
252 100
253 23.7 17.4 26.2
125 9.7 7.4 11.0





#89

Benzo(a)pyrene

Concen: 3.51 ng

RT: 16.55 min Scan# 1178

Delta R.T. -0.17 min

Lab File: BF080011.D

Acq: 17 Jun 2015 4:02

Instrument :

BNA_F

ClientSampleId :

AST-TS-001

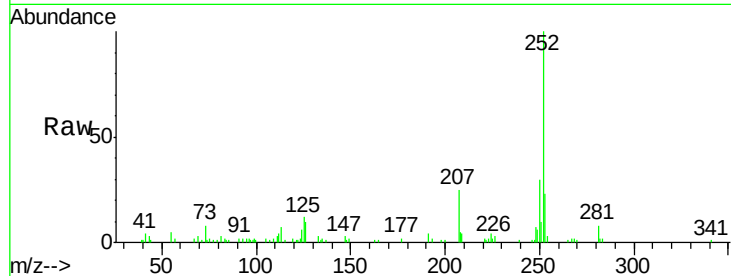
Tgt Ion:252 Resp: 41599

Ion Ratio Lower Upper

252 100

253 23.4 17.0 25.6

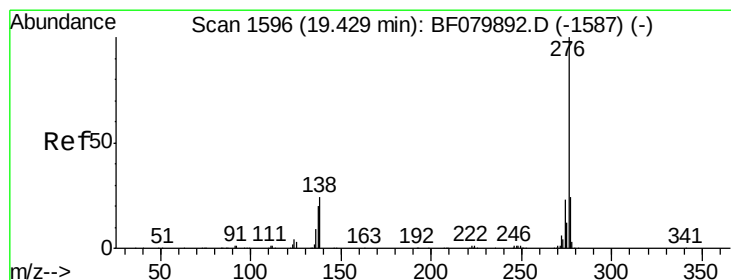
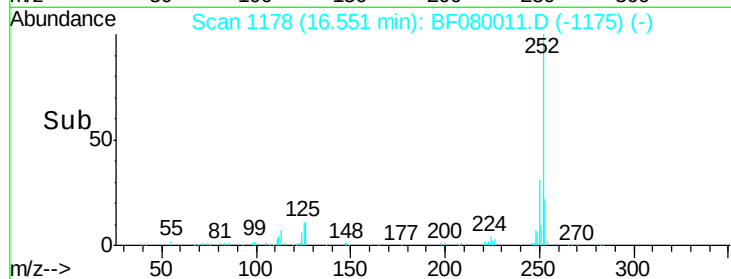
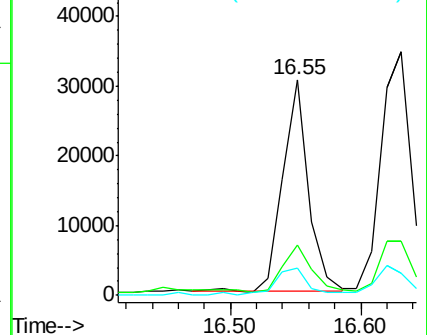
125 12.4 9.7 14.5



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: 3.56 ng

RT: 19.13 min Scan# 1404

Delta R.T. -0.10 min

Lab File: BF080011.D

Acq: 17 Jun 2015 4:02

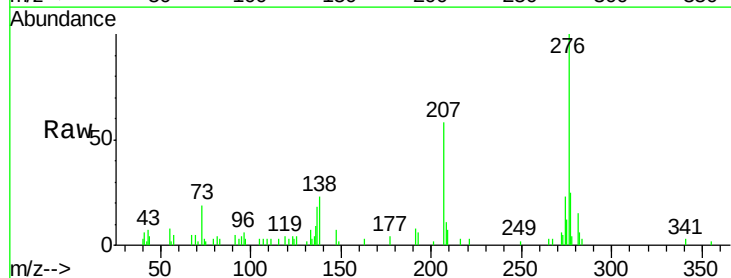
Tgt Ion:276 Resp: 42954

Ion Ratio Lower Upper

276 100

277 25.0 19.4 29.2

138 22.9 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

