

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061715\
 Data File : BF080034.D
 Acq On : 17 Jun 2015 21:01
 Operator : TP/IZ
 Sample : G2649-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 AST-TS-001

Quant Time: Jun 18 01:00:32 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF061715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 17 16:41:53 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.34	152	42077	20.00	ng	0.00
21) Naphthalene-d8	8.63	136	160290	20.00	ng	0.00
38) Acenaphthene-d10	10.40	164	83061	20.00	ng	0.00
63) Phenanthrene-d10	11.90	188	170952	20.00	ng	-0.01
75) Chrysene-d12	14.85	240	186421	20.00	ng	-0.01
86) Perylene-d12	16.72	264	188718	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.94	112	252955	106.42	ng	0.00
7) Phenol-d6	6.94	99	364630	115.28	ng	0.00
23) Nitrobenzene-d5	7.89	82	185987	67.55	ng	-0.01
41) 2,4,6-Tribromophenol	11.19	330	90231	111.09	ng	-0.01
44) 2-Fluorobiphenyl	9.70	172	366293	62.89	ng	0.00
78) Terphenyl-d14	13.58	244	403890	50.60	ng	-0.01

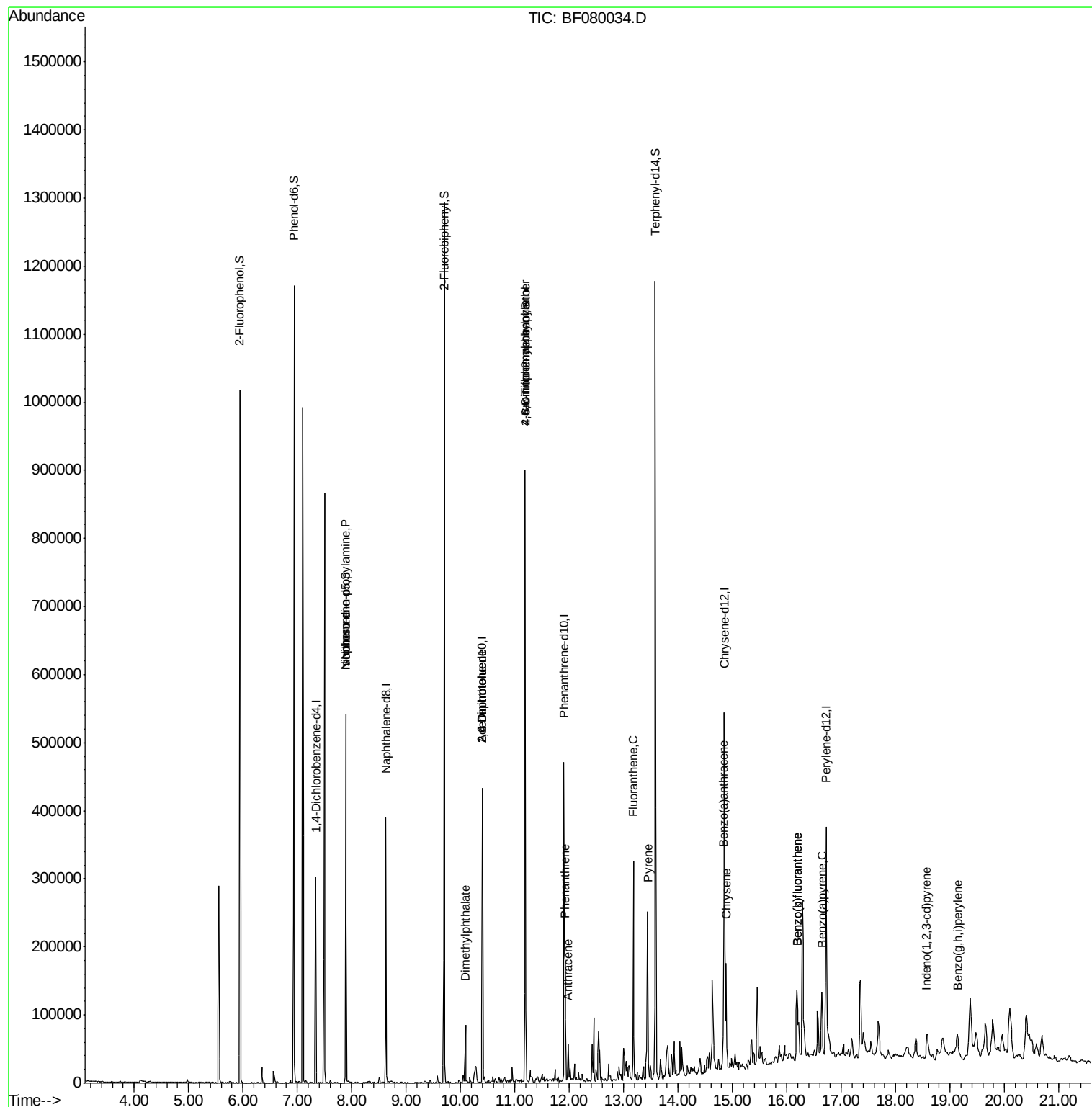
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.89	70	24462	11.14	ng	# 63
25) Isophorone	7.89	82	182640	32.96	ng	# 58
49) Dimethylphthalate	10.09	163	40186	6.44	ng	# 97
50) 2,6-Dinitrotoluene	10.40	165	10482	8.37	ng	# 37
56) 2,4-Dinitrotoluene	10.40	165	10483	6.60	ng	# 31
64) 4,6-Dinitro-2-methylphenol	11.19	198	246	3.83	ng	# 1
66) 4-Bromophenyl-phenylether	11.19	248	7159	3.94	ng	# 1
70) Phenanthrene	11.92	178	71578	6.92	ng	97
71) Anthracene	11.98	178	22392	2.25	ng	97
74) Fluoranthene	13.18	202	124449	11.29	ng	92
77) Pyrene	13.44	202	149323	13.01	ng	98
80) Benzo(a)anthracene	14.84	228	79088	6.96	ng	96
82) Chrysene	14.88	228	66708	6.37	ng	93
85) Indeno(1,2,3-cd)pyrene	18.57	276	38383	2.91	ng	# 83
87) Benzo(b)fluoranthene	16.19	252	101700	8.90	ng	# 89
88) Benzo(k)fluoranthene	16.19	252	101700	8.74	ng	# 90
89) Benzo(a)pyrene	16.64	252	57216	5.27	ng	# 86
91) Benzo(g,h,i)perylene	19.13	276	38437	3.43	ng	# 77

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

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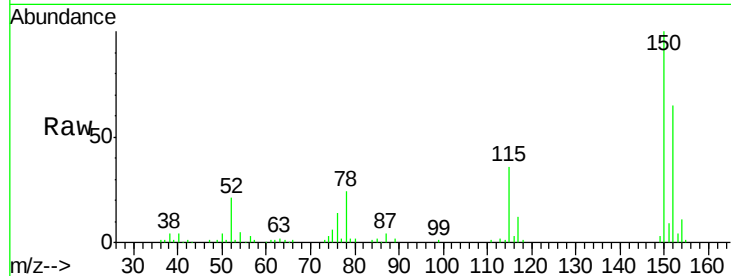




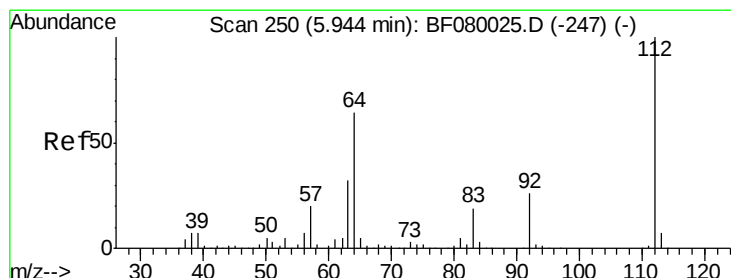
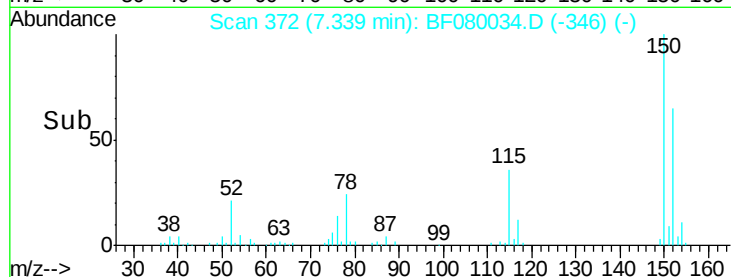
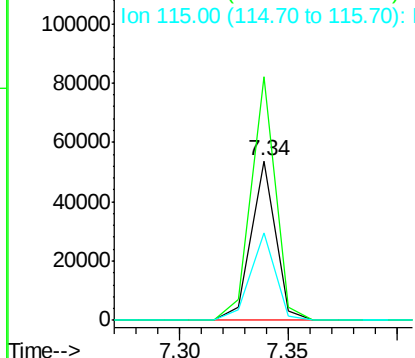
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.34 min Scan# 372
 Delta R.T. -0.00 min
 Lab File: BF080034.D
 Acq: 17 Jun 2015 21:01

Instrument :
 BNA_F
 ClientSampleId :
 AST-TS-001

Tgt Ion:152 Resp: 42077
 Ion Ratio Lower Upper
 152 100
 150 152.7 124.7 187.1
 115 54.6 39.0 58.4

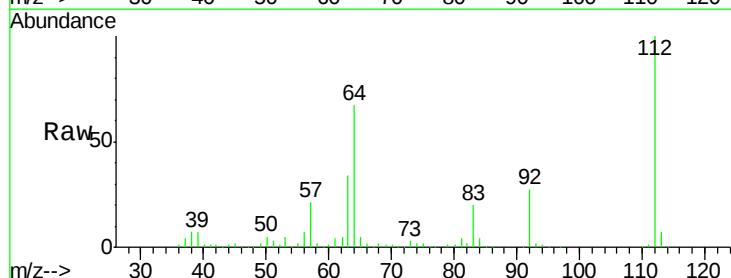


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

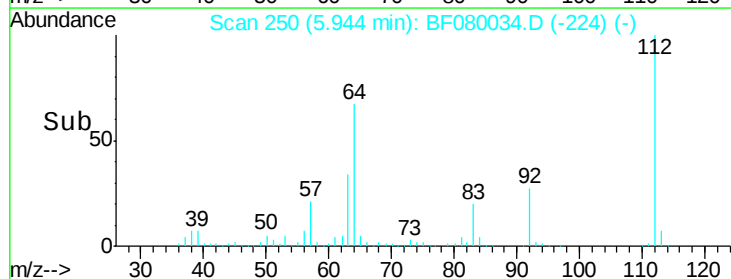
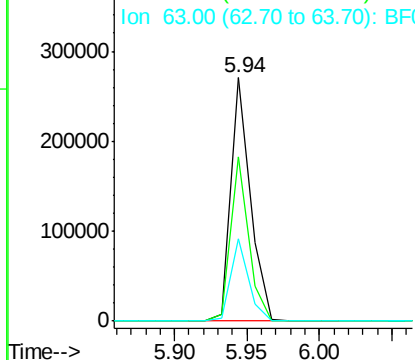


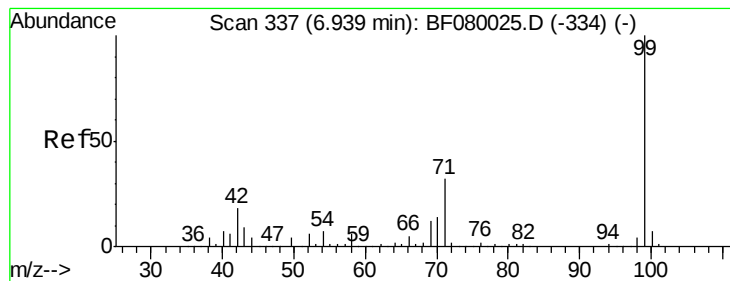
#5
 2-Fluorophenol
 Concen: 106.42 ng
 RT: 5.94 min Scan# 250
 Delta R.T. 0.00 min
 Lab File: BF080034.D
 Acq: 17 Jun 2015 21:01

Tgt Ion:112 Resp: 252955
 Ion Ratio Lower Upper
 112 100
 64 67.3 39.7 59.5#
 63 33.9 17.4 26.0#



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: 115.28 ng

RT: 6.94 min Scan# 337

Delta R.T. -0.00 min

Lab File: BF080034.D

Acq: 17 Jun 2015 21:01

Instrument :

BNA_F

ClientSampleId :

AST-TS-001

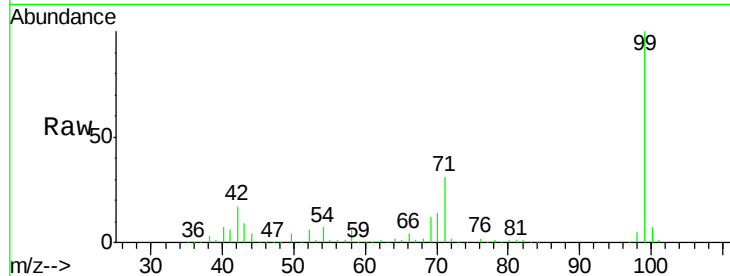
Tgt Ion: 99 Resp: 364630

Ion Ratio Lower Upper

99 100

42 16.8 13.7 20.5

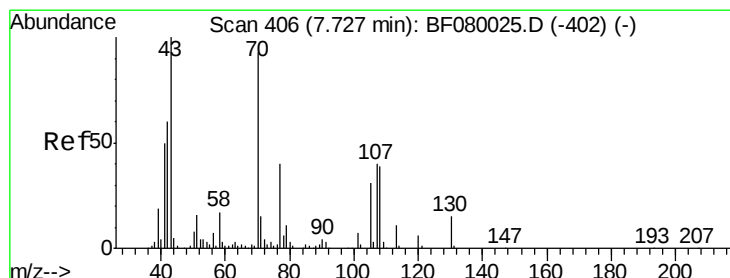
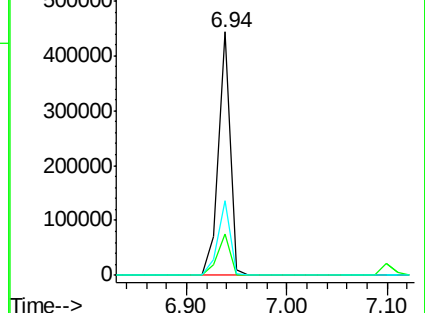
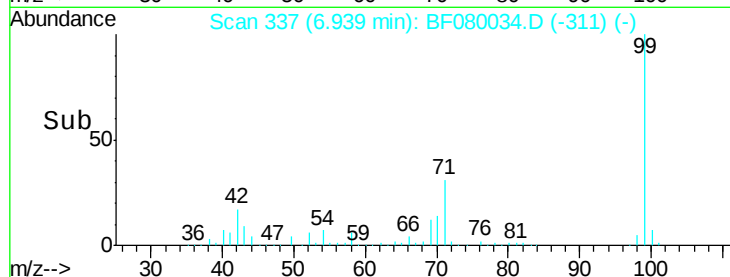
71 30.9 14.2 21.2#



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



#19

n-Nitroso-di-n-propylamine

Concen: 11.14 ng

RT: 7.89 min Scan# 420

Delta R.T. 0.15 min

Lab File: BF080034.D

Acq: 17 Jun 2015 21:01

Tgt Ion: 70 Resp: 24462

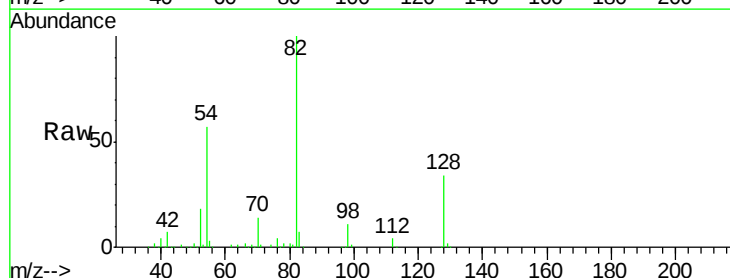
Ion Ratio Lower Upper

70 100

42 53.4 63.8 95.6#

101 0.0 9.2 13.8#

130 1.3 27.3 40.9#

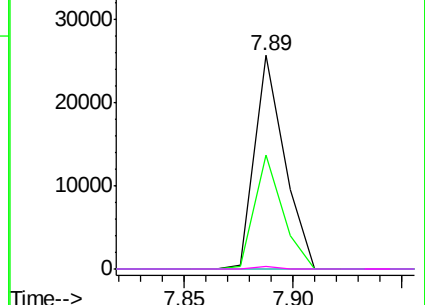
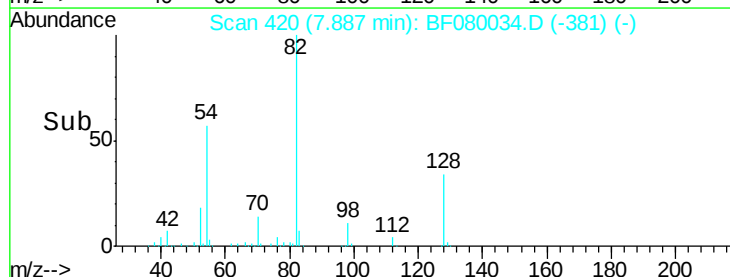


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

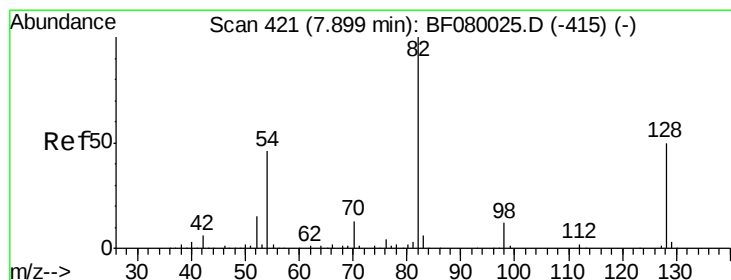
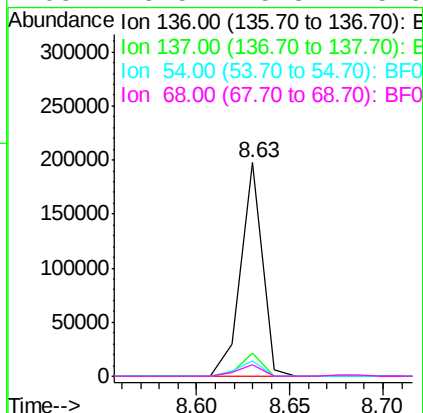
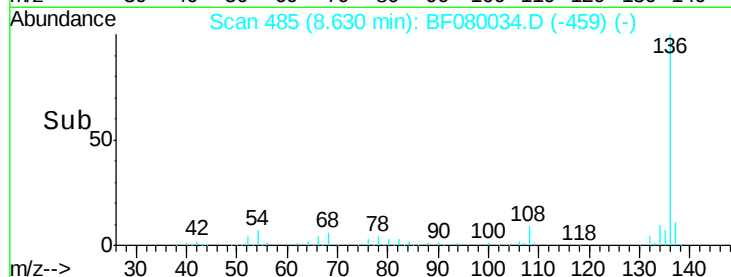
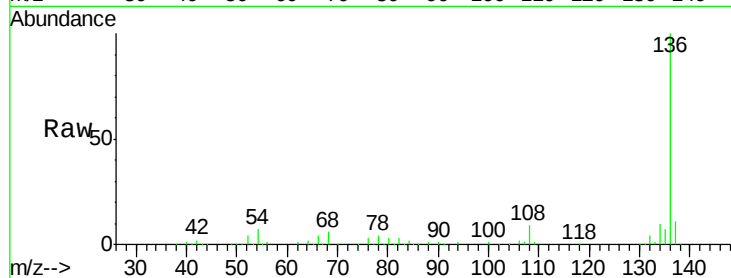




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.63 min Scan# 485
Delta R.T. -0.00 min
Lab File: BF080034.D
Acq: 17 Jun 2015 21:01

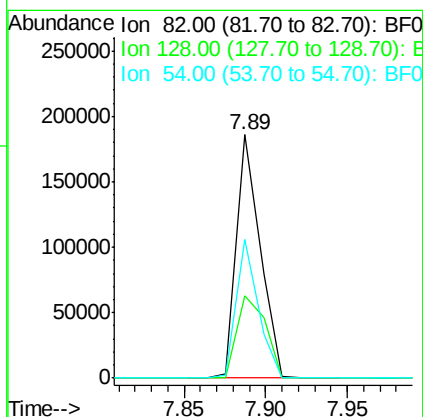
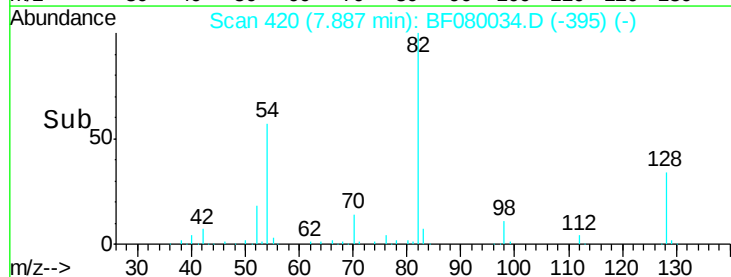
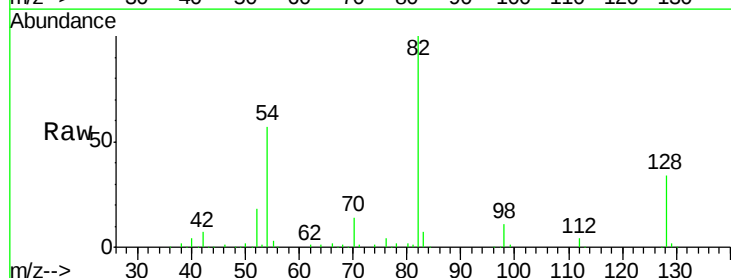
Instrument :
BNA_F
ClientSampleId :
AST-TS-001

Tgt Ion:	136	Resp:	160290
Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.0	13.6
54	6.9	8.2	12.2#
68	5.5	5.8	8.6#



#23
Nitrobenzene-d5
Concen: 67.55 ng
RT: 7.89 min Scan# 420
Delta R.T. -0.01 min
Lab File: BF080034.D
Acq: 17 Jun 2015 21:01

Tgt Ion:	82	Resp:	185987
Ion	Ratio	Lower	Upper
82	100		
128	33.9	51.0	76.6#
54	56.9	47.5	71.3





#25

Isophorone

Concen: 32.96 ng

RT: 7.89 min Scan# 420

Delta R.T. -0.26 min

Lab File: BF080034.D

Acq: 17 Jun 2015 21:01

Instrument :

BNA_F

ClientSampleId :

AST-TS-001

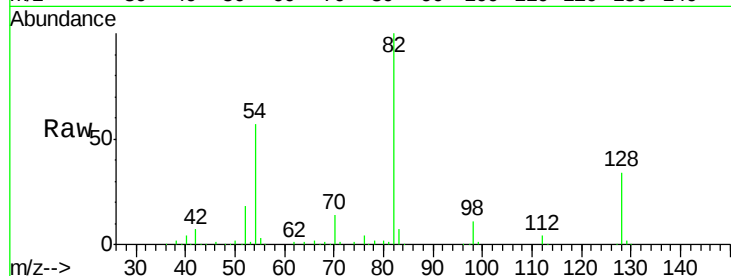
Tgt Ion: 82 Resp: 182640

Ion Ratio Lower Upper

82 100

95 0.0 4.0 6.0#

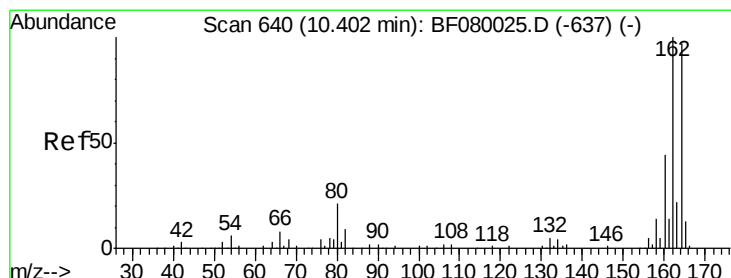
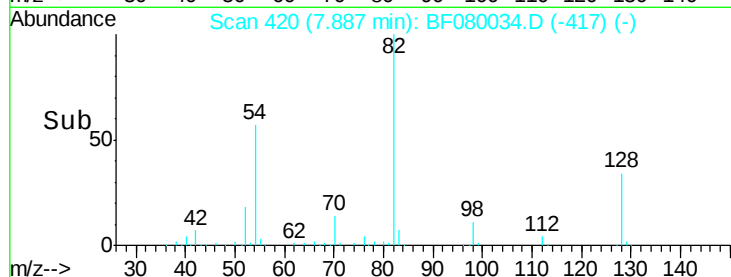
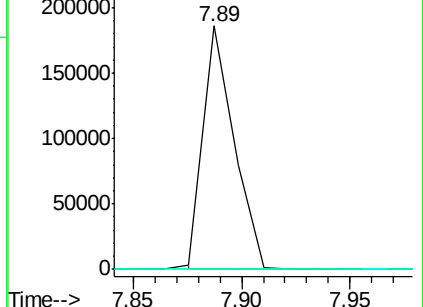
138 0.0 18.3 27.5#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 10.40 min Scan# 640

Delta R.T. -0.00 min

Lab File: BF080034.D

Acq: 17 Jun 2015 21:01

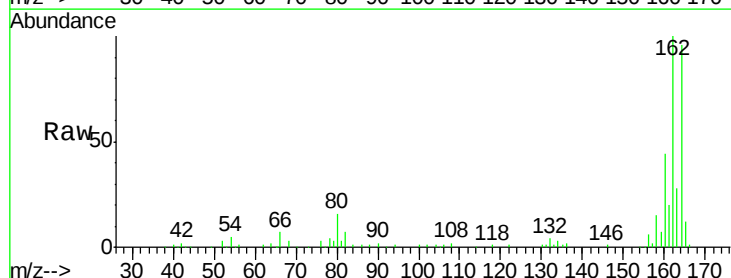
Tgt Ion: 164 Resp: 83061

Ion Ratio Lower Upper

164 100

162 104.3 75.2 112.8

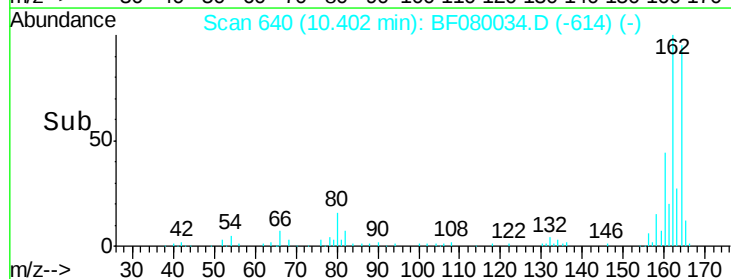
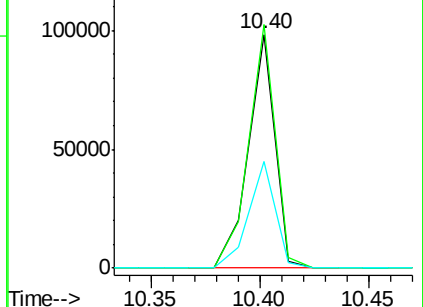
160 45.9 31.5 47.3



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

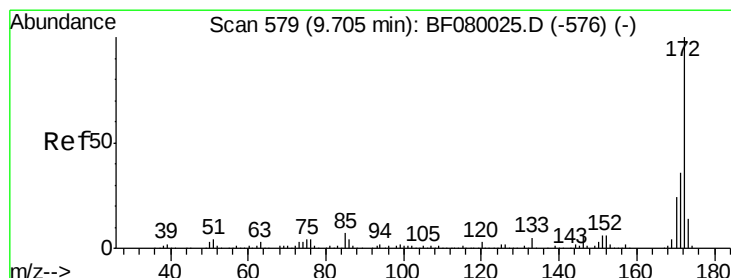
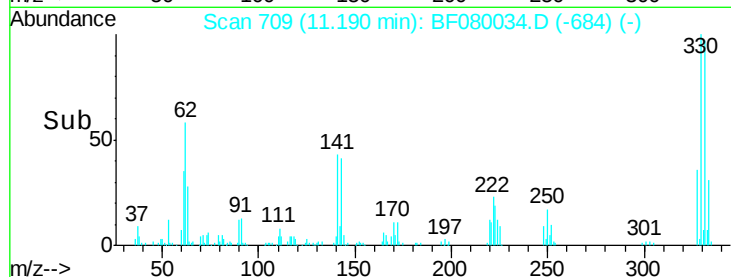
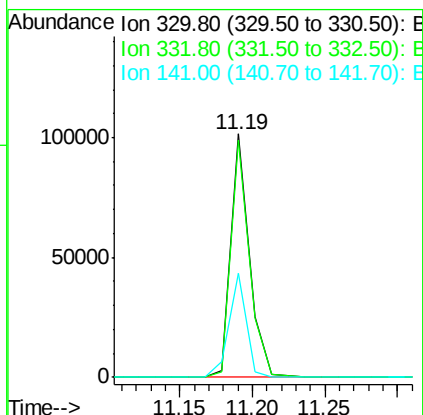
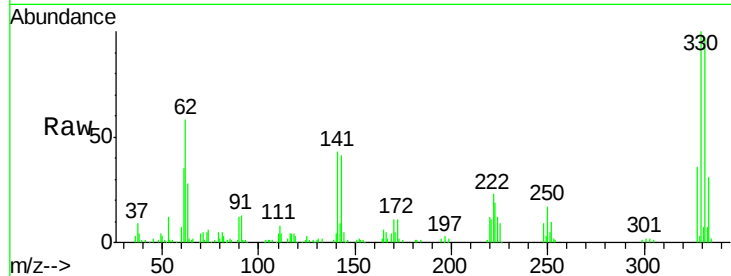




#41
 2,4,6-Tribromophenol
 Concen: 111.09 ng
 RT: 11.19 min Scan# 709
 Delta R.T. -0.01 min
 Lab File: BF080034.D
 Acq: 17 Jun 2015 21:01

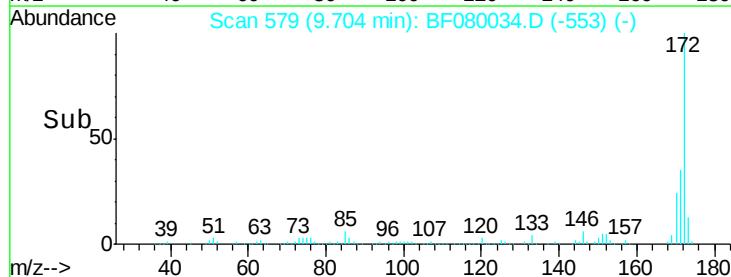
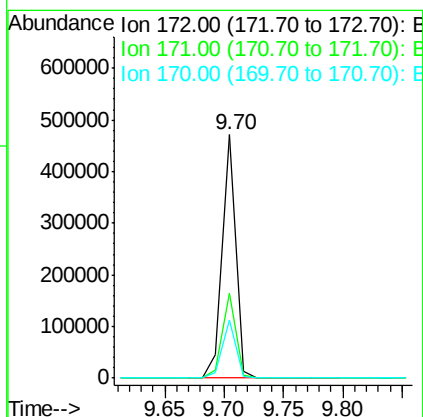
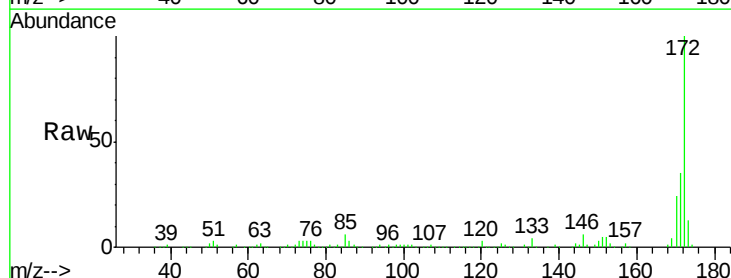
Instrument :
 BNA_F
 ClientSampleId :
 AST-TS-001

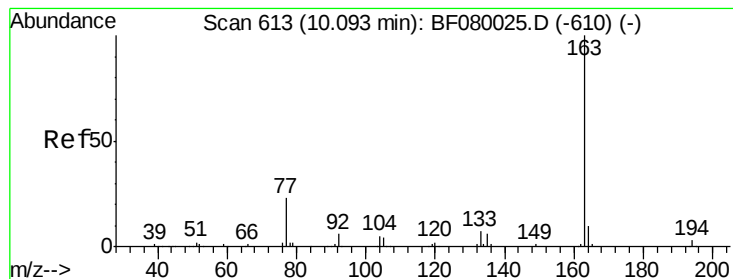
Tgt Ion:330 Resp: 90231
 Ion Ratio Lower Upper
 330 100
 332 97.8 76.6 114.8
 141 40.0 29.7 44.5



#44
 2-Fluorobiphenyl
 Concen: 62.89 ng
 RT: 9.70 min Scan# 579
 Delta R.T. -0.00 min
 Lab File: BF080034.D
 Acq: 17 Jun 2015 21:01

Tgt Ion:172 Resp: 366293
 Ion Ratio Lower Upper
 172 100
 171 35.0 26.1 39.1
 170 23.6 17.4 26.2





#49

Dimethylphthalate

Concen: 6.44 ng

RT: 10.09 min Scan# 613

Delta R.T. -0.00 min

Lab File: BF080034.D

Acq: 17 Jun 2015 21:01

Instrument :

BNA_F

ClientSampleId :

AST-TS-001

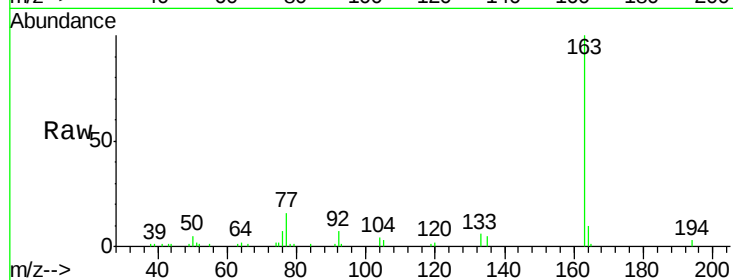
Tgt Ion:163 Resp: 40186

Ion Ratio Lower Upper

163 100

194 3.5 4.4 6.6#

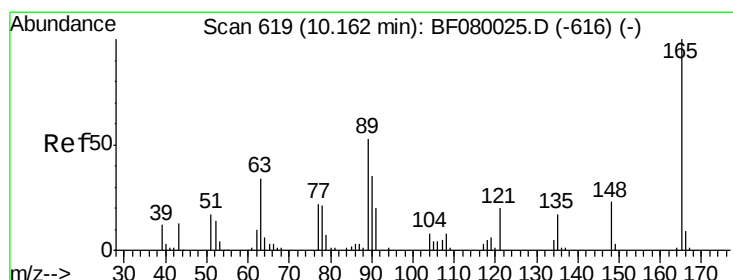
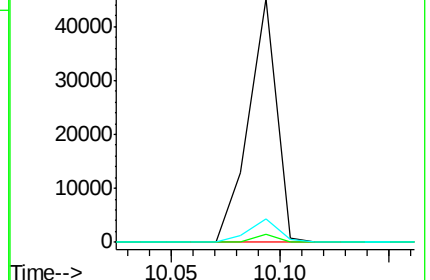
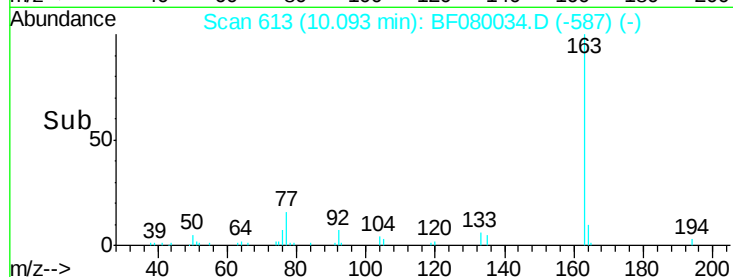
164 9.7 8.3 12.5



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: 8.37 ng

RT: 10.40 min Scan# 640

Delta R.T. 0.24 min

Lab File: BF080034.D

Acq: 17 Jun 2015 21:01

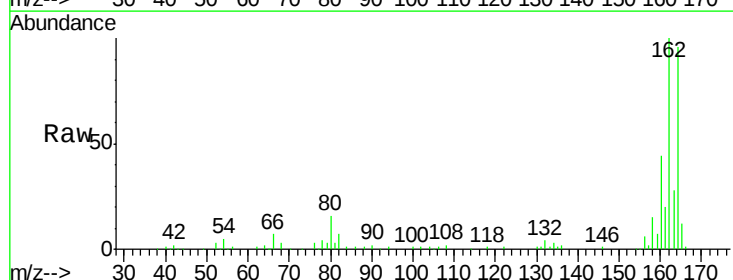
Tgt Ion:165 Resp: 10482

Ion Ratio Lower Upper

165 100

63 0.0 32.3 48.5#

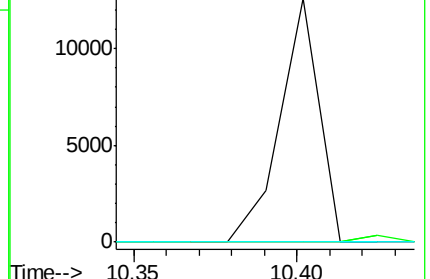
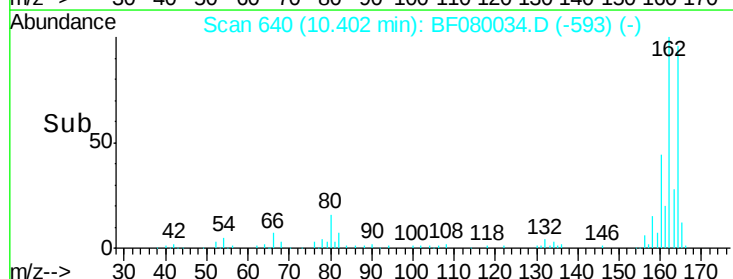
89 0.0 28.6 43.0#

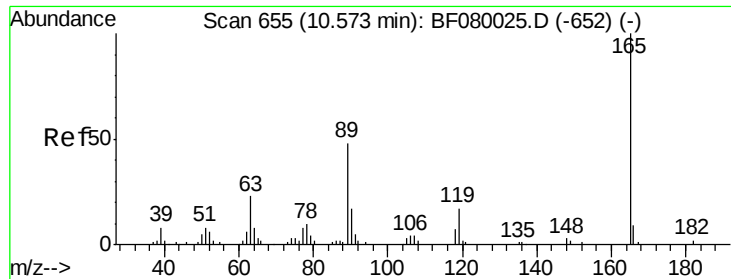


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

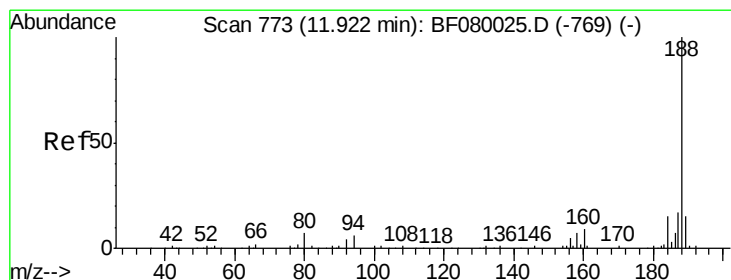
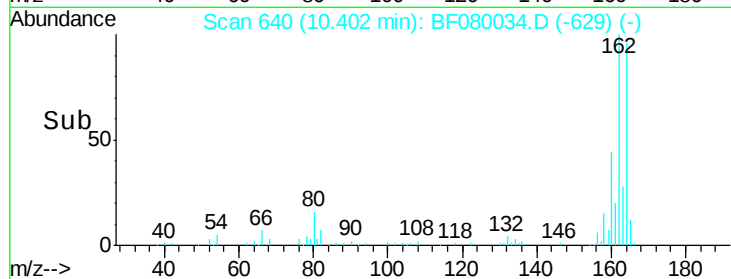
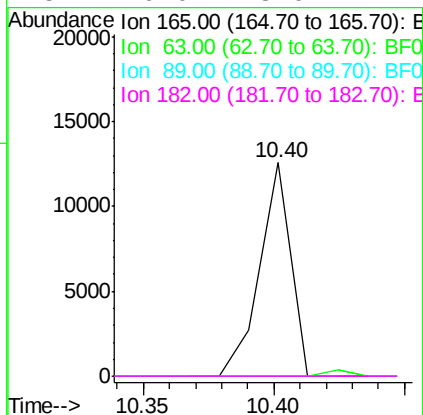
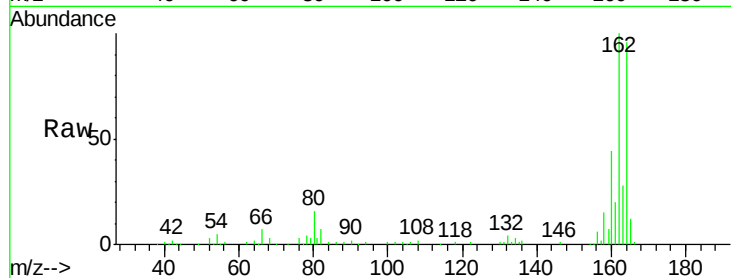




#56
 2,4-Dinitrotoluene
 Concen: 6.60 ng
 RT: 10.40 min Scan# 640
 Delta R.T. -0.17 min
 Lab File: BF080034.D
 Acq: 17 Jun 2015 21:01

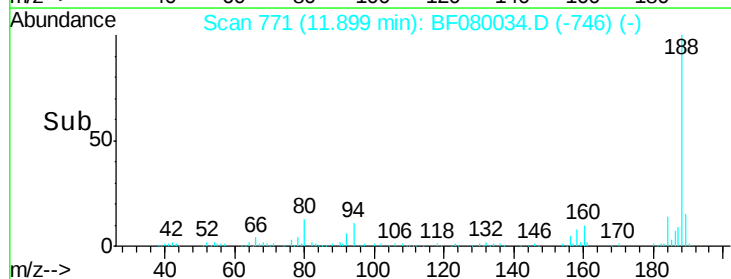
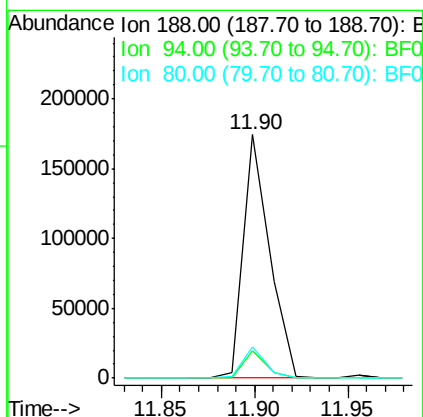
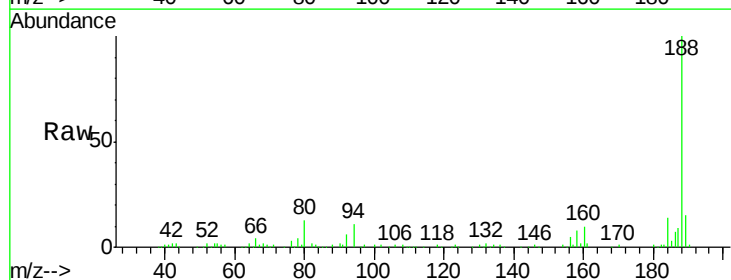
Instrument :
 BNA_F
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 AST-TS-001

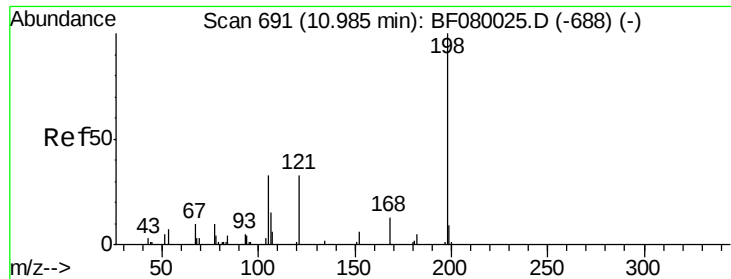
Tgt Ion:	165	Resp:	10483
Ion	Ratio	Lower	Upper
165	100		
63	0.0	29.8	44.6#
89	0.0	44.5	66.7#
182	0.0	3.0	4.4#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.90 min Scan# 771
 Delta R.T. -0.01 min
 Lab File: BF080034.D
 Acq: 17 Jun 2015 21:01

Tgt Ion:	188	Resp:	170952
Ion	Ratio	Lower	Upper
188	100		
94	11.3	11.1	16.7
80	12.8	11.0	16.4





#64

4,6-Dinitro-2-methylphenol

Concen: 3.83 ng

RT: 11.19 min Scan# 709

Delta R.T. 0.21 min

Lab File: BF080034.D

Acq: 17 Jun 2015 21:01

Instrument :

BNA_F

ClientSampleId :

AST-TS-001

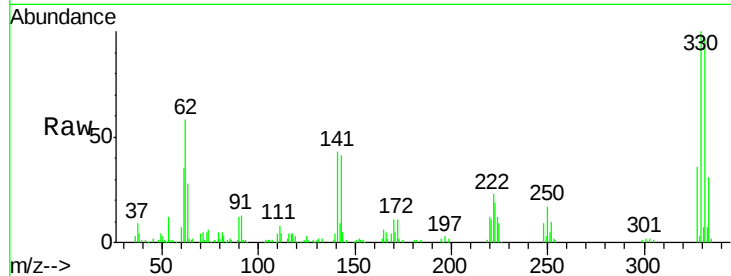
Tgt Ion:198 Resp: 246

Ion Ratio Lower Upper

198 100

51 165.7 39.6 79.6#

105 164.6 28.5 68.5#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E

800

600

400

200

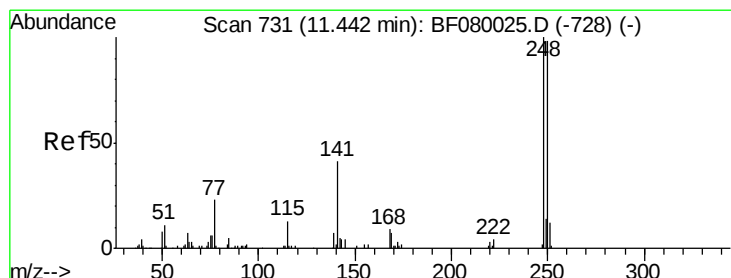
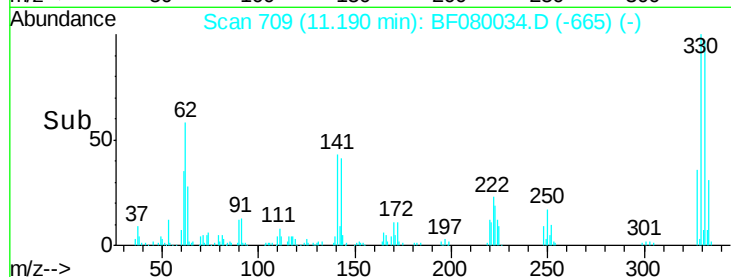
0

11.15

11.19

11.20

Time-->



#66

4-Bromophenyl-phenylether

Concen: 3.94 ng

RT: 11.19 min Scan# 709

Delta R.T. -0.24 min

Lab File: BF080034.D

Acq: 17 Jun 2015 21:01

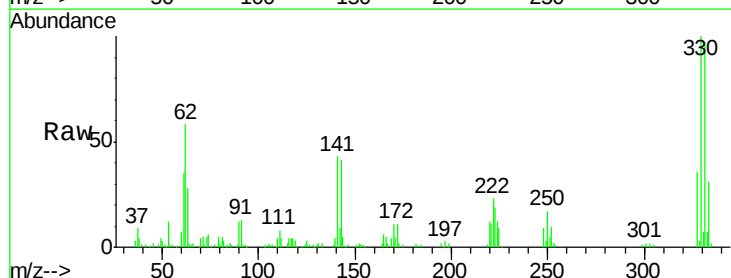
Tgt Ion:248 Resp: 7159

Ion Ratio Lower Upper

248 100

250 193.1 78.5 117.7#

141 481.9 59.0 88.6#



Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

60000

50000

40000

30000

20000

10000

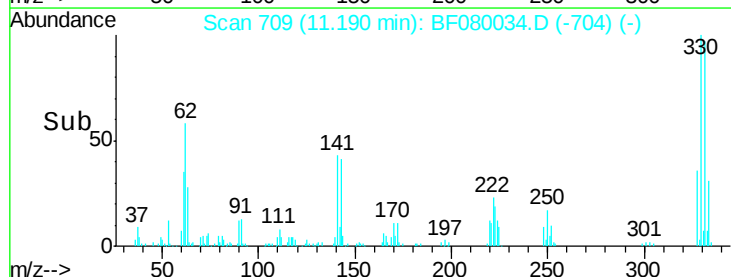
0

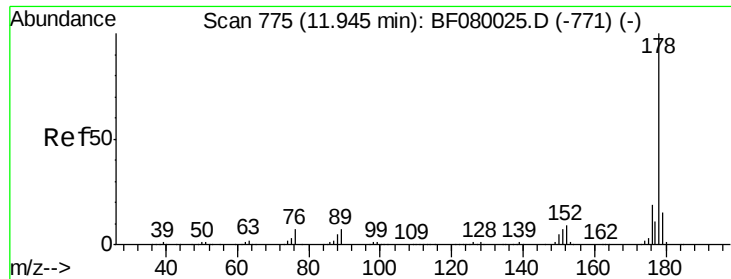
11.15

11.19

11.20

Time-->

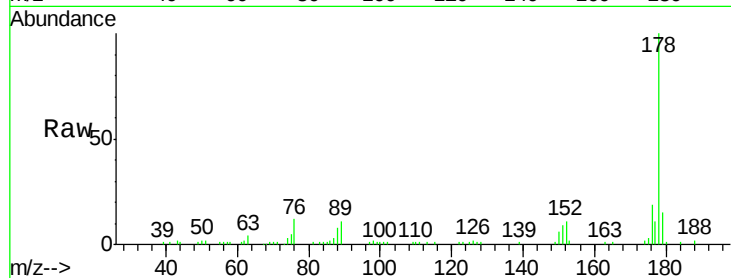




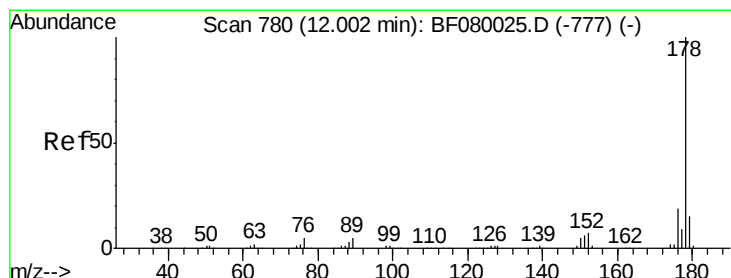
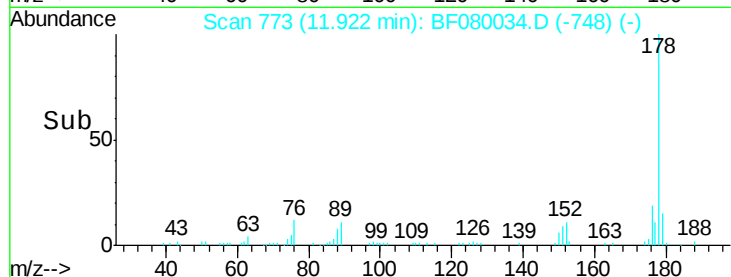
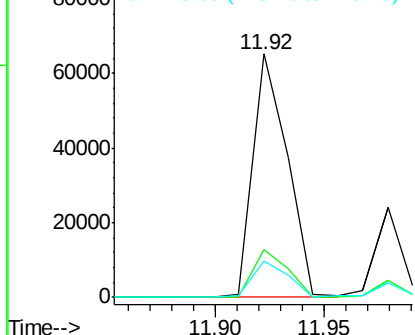
#70
Phenanthrene
Concen: 6.92 ng
RT: 11.92 min Scan# 773
Delta R.T. -0.01 min
Lab File: BF080034.D
Acq: 17 Jun 2015 21:01

Instrument :
BNA_F
ClientSampleId :
AST-TS-001

Tgt Ion:178 Resp: 71578
Ion Ratio Lower Upper
178 100
176 19.4 13.8 20.8
179 15.1 12.2 18.2

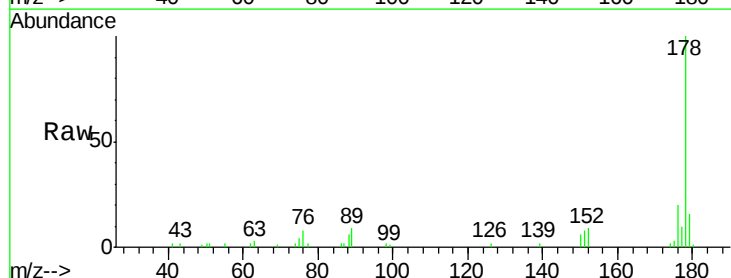


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

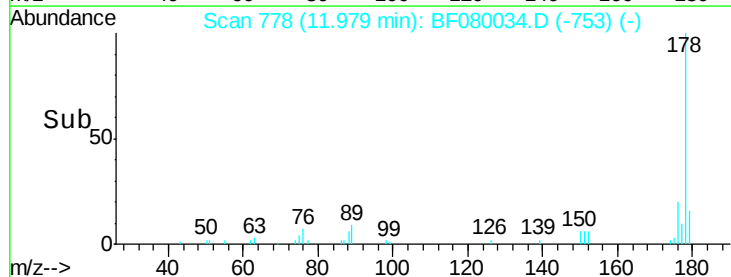
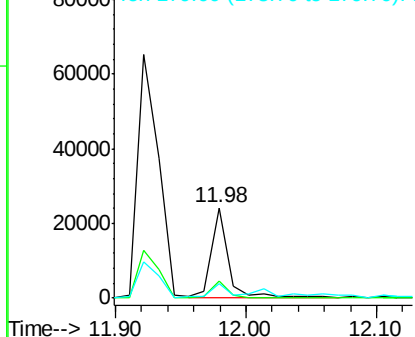


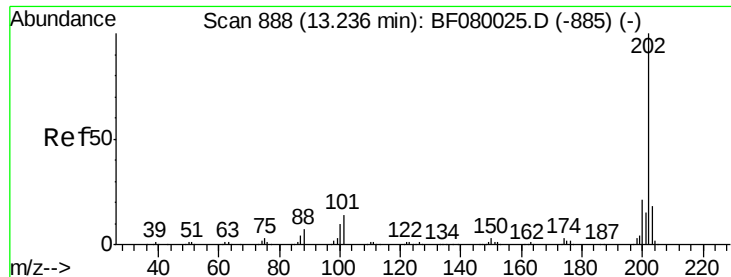
#71
Anthracene
Concen: 2.25 ng
RT: 11.98 min Scan# 778
Delta R.T. -0.01 min
Lab File: BF080034.D
Acq: 17 Jun 2015 21:01

Tgt Ion:178 Resp: 22392
Ion Ratio Lower Upper
178 100
176 19.6 14.1 21.1
179 15.7 12.2 18.2



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: 11.29 ng

RT: 13.18 min Scan# 883

Delta R.T. -0.01 min

Lab File: BF080034.D

Acq: 17 Jun 2015 21:01

Instrument :

BNA_F

ClientSampleId :

AST-TS-001

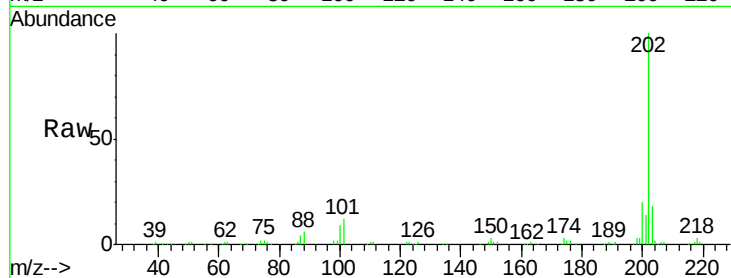
Tgt Ion:202 Resp: 124449

Ion Ratio Lower Upper

202 100

101 11.8 0.0 38.3

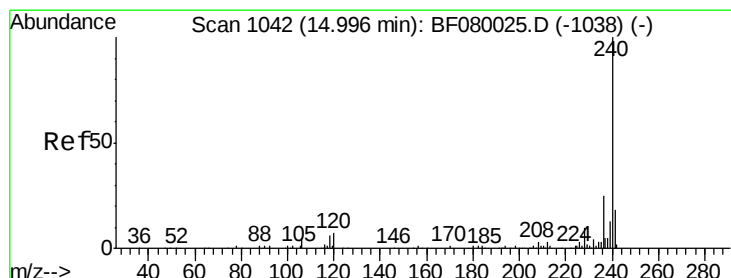
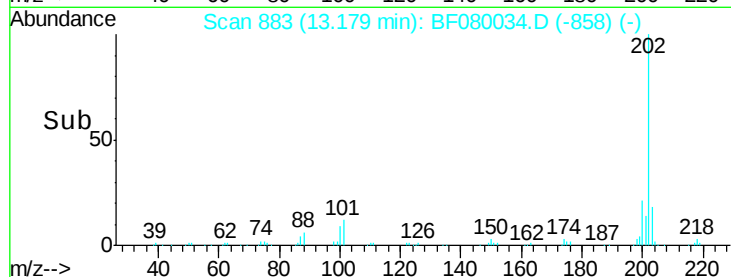
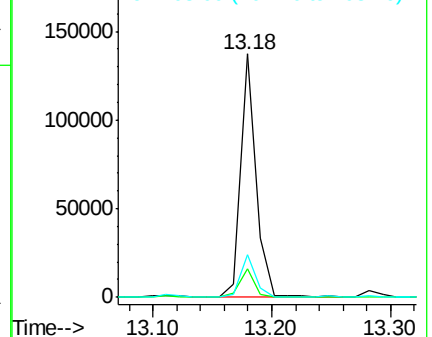
203 17.8 0.0 37.3



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. -0.01 min

Lab File: BF080034.D

Acq: 17 Jun 2015 21:01

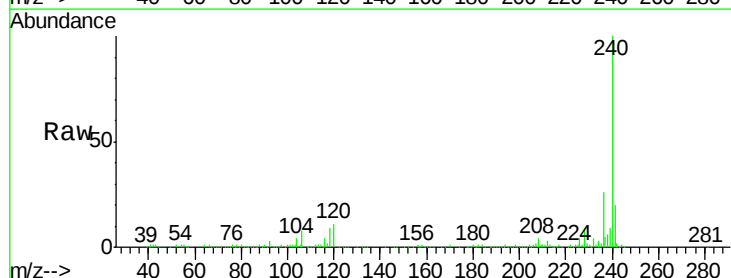
Tgt Ion:240 Resp: 186421

Ion Ratio Lower Upper

240 100

120 10.8 16.2 24.2#

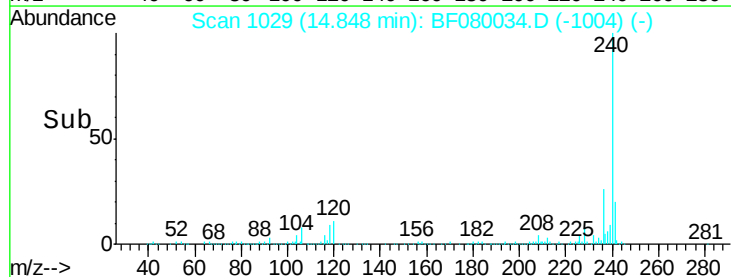
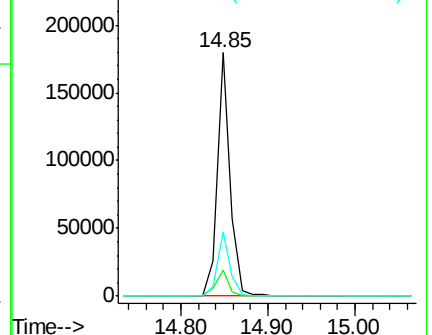
236 26.4 18.4 27.6

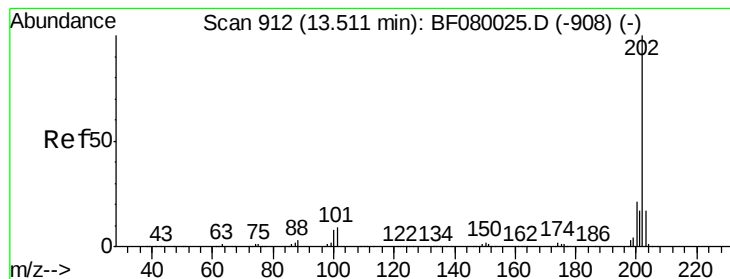


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 13.01 ng

RT: 13.44 min Scan# 906

Delta R.T. -0.00 min

Lab File: BF080034.D

Acq: 17 Jun 2015 21:01

Instrument :

BNA_F

ClientSampled :

AST-TS-001

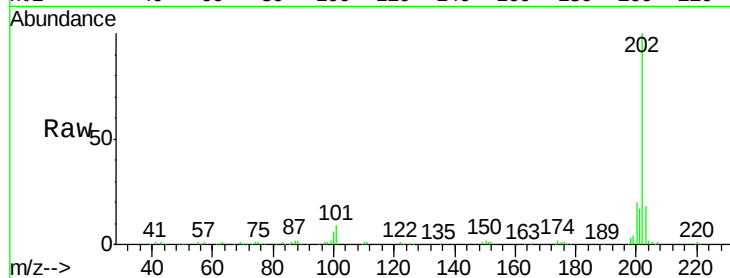
Tgt Ion: 202 Resp: 149323

Ion Ratio Lower Upper

202 100

200 20.5 15.0 22.4

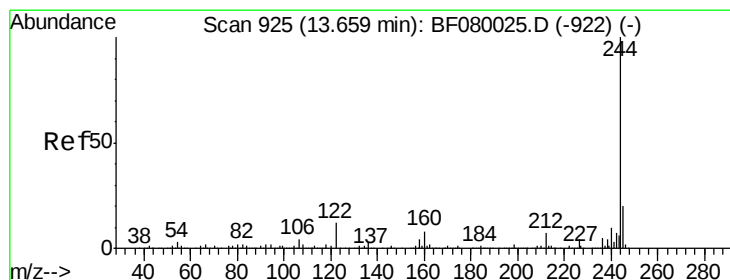
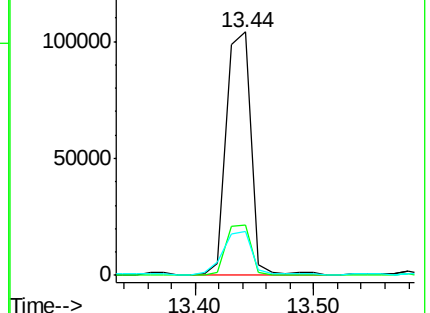
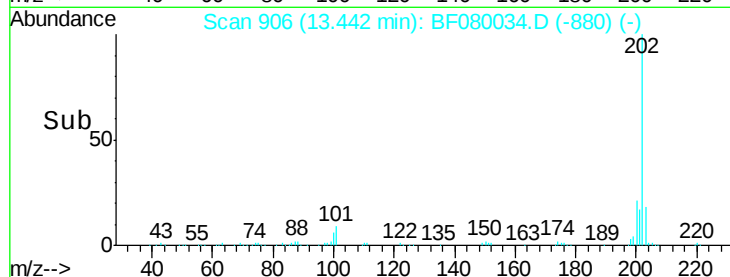
203 18.0 14.1 21.1



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: 50.60 ng

RT: 13.58 min Scan# 918

Delta R.T. -0.01 min

Lab File: BF080034.D

Acq: 17 Jun 2015 21:01

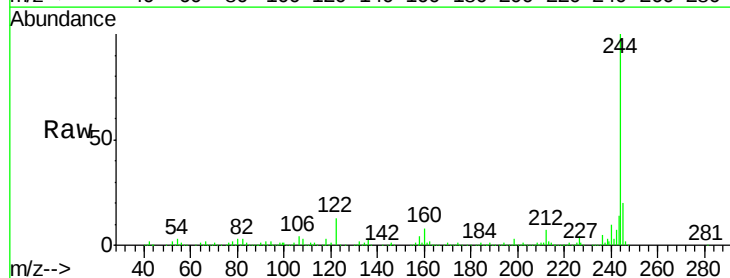
Tgt Ion: 244 Resp: 403890

Ion Ratio Lower Upper

244 100

212 7.1 4.3 6.5#

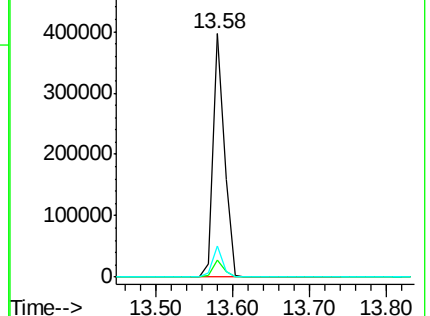
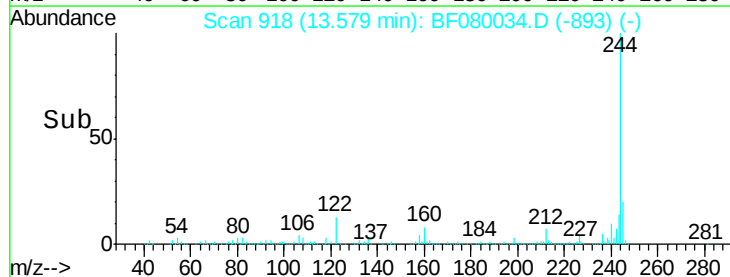
122 12.9 17.4 26.2#

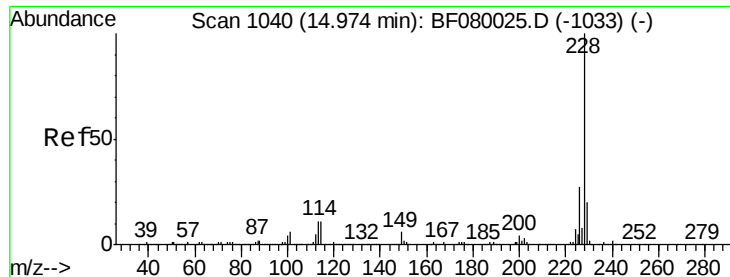


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 6.96 ng

RT: 14.84 min Scan# 1028

Delta R.T. -0.01 min

Lab File: BF080034.D

Acq: 17 Jun 2015 21:01

Instrument :

BNA_F

ClientSampleId :

AST-TS-001

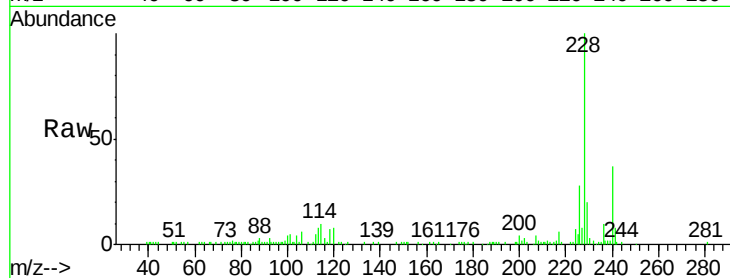
Tgt Ion:228 Resp: 79088

Ion Ratio Lower Upper

228 100

226 28.3 20.0 30.0

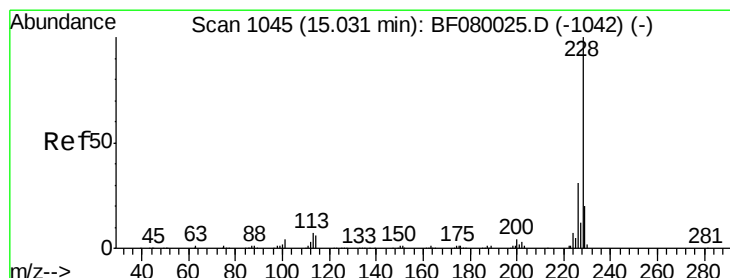
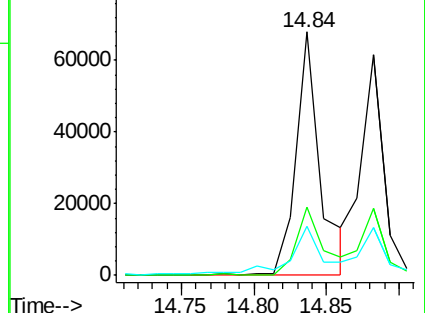
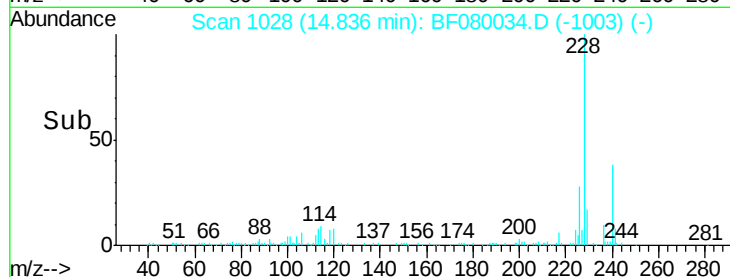
229 19.9 15.4 23.2



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 6.37 ng

RT: 14.88 min Scan# 1032

Delta R.T. -0.01 min

Lab File: BF080034.D

Acq: 17 Jun 2015 21:01

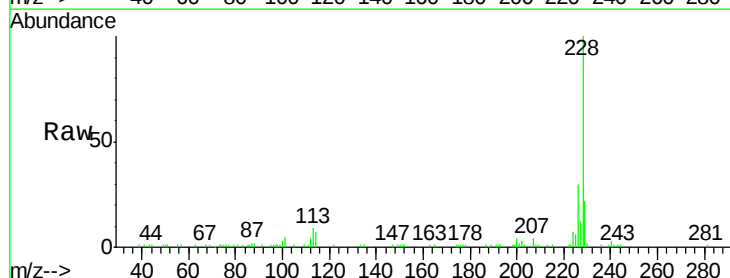
Tgt Ion:228 Resp: 66708

Ion Ratio Lower Upper

228 100

226 30.4 21.0 31.4

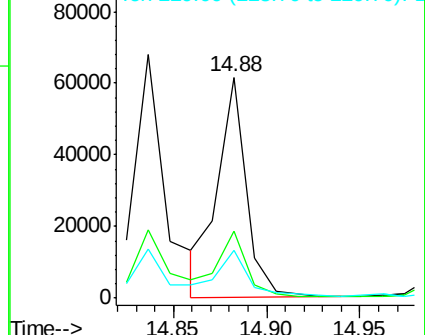
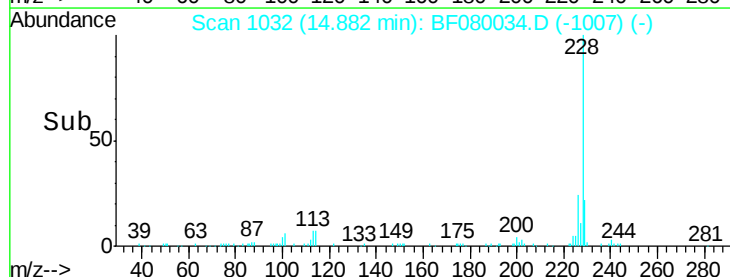
229 21.9 15.6 23.4

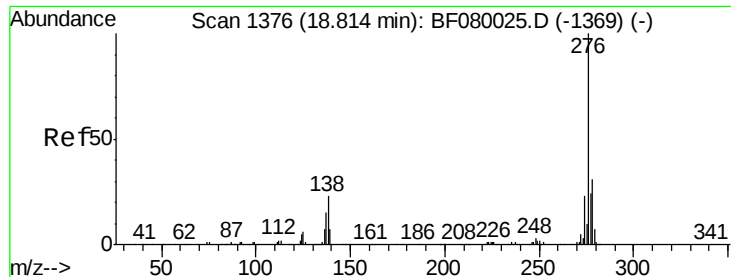


Abundance Ion 228.00 (227.70 to 228.70): E

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: 2.91 ng

RT: 18.57 min Scan# 1355

Delta R.T. -0.05 min

Lab File: BF080034.D

Acq: 17 Jun 2015 21:01

Instrument :

BNA_F

ClientSampleId :

AST-TS-001

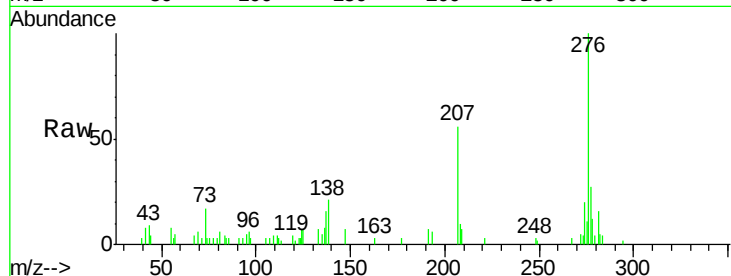
Tgt Ion:276 Resp: 38383

Ion Ratio Lower Upper

276 100

138 22.2 25.7 38.5#

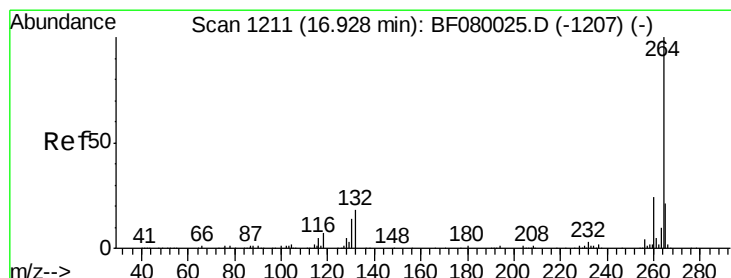
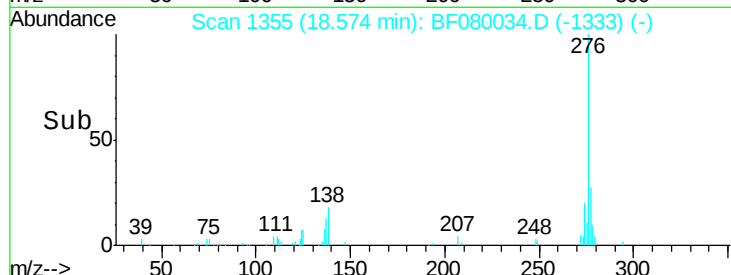
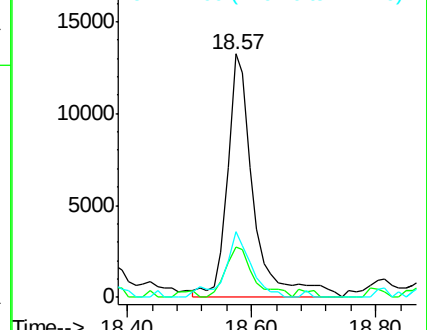
277 27.0 15.6 23.4#



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: 16.72 min Scan# 1193

Delta R.T. -0.02 min

Lab File: BF080034.D

Acq: 17 Jun 2015 21:01

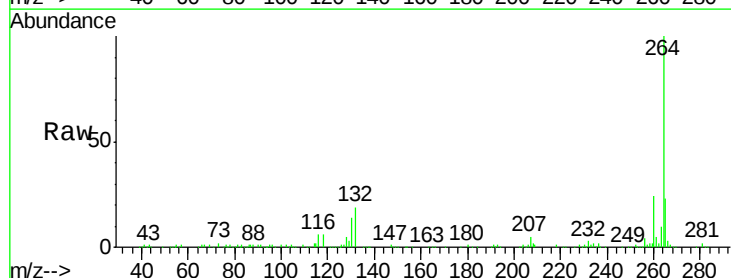
Tgt Ion:264 Resp: 188718

Ion Ratio Lower Upper

264 100

260 23.6 16.7 25.1

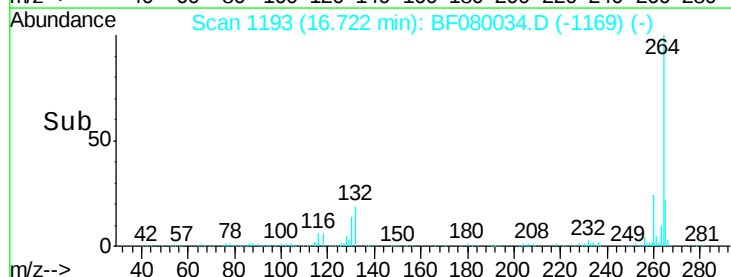
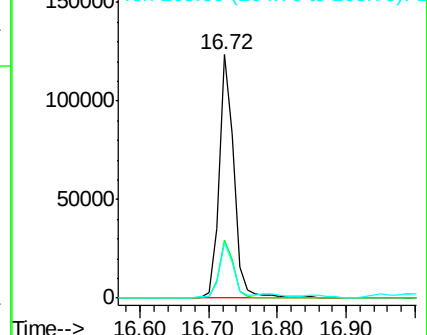
265 22.5 17.2 25.8

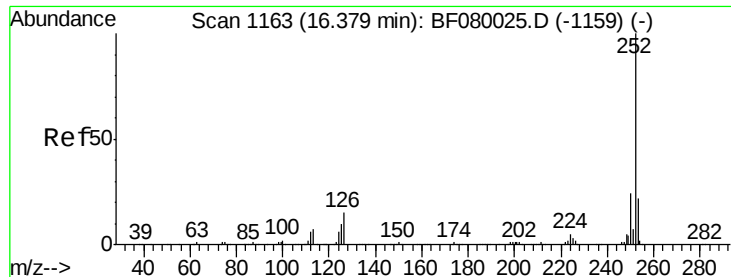


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

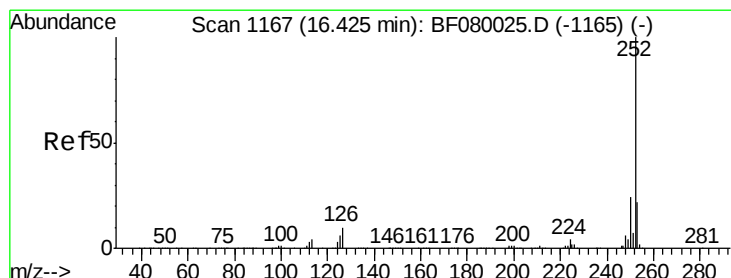
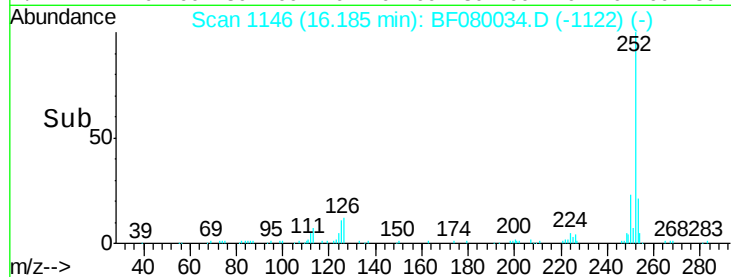
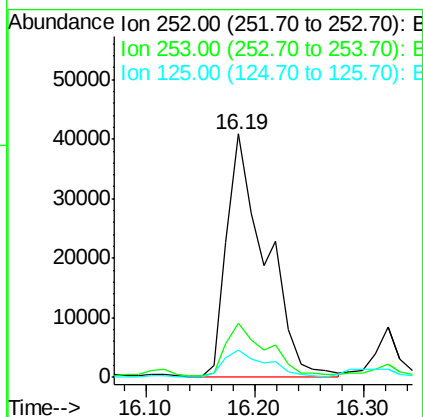
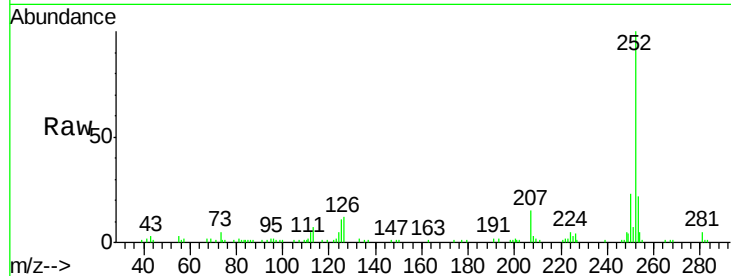




#87
Benzo(b)fluoranthene
Concen: 8.90 ng
RT: 16.19 min Scan# 1146
Delta R.T. -0.02 min
Lab File: BF080034.D
Acq: 17 Jun 2015 21:01

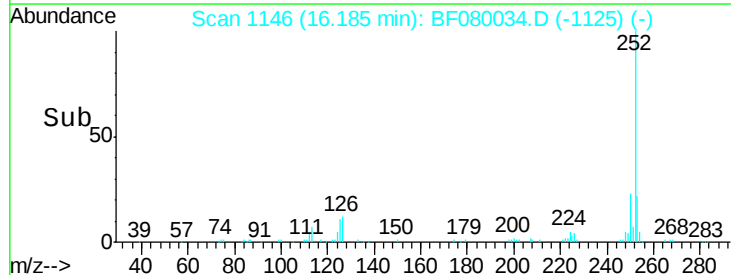
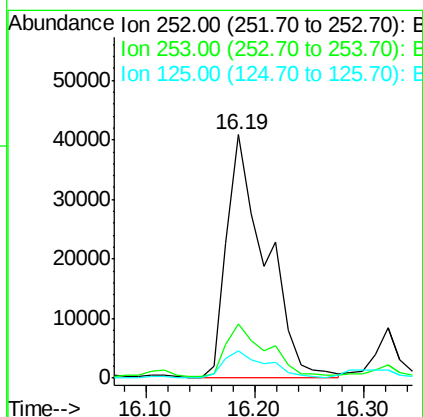
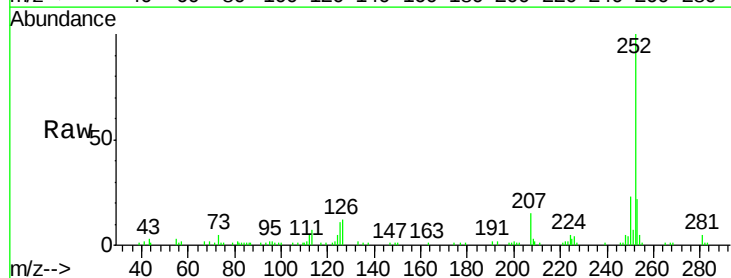
Instrument :
BNA_F
ClientSampleId :
AST-TS-001

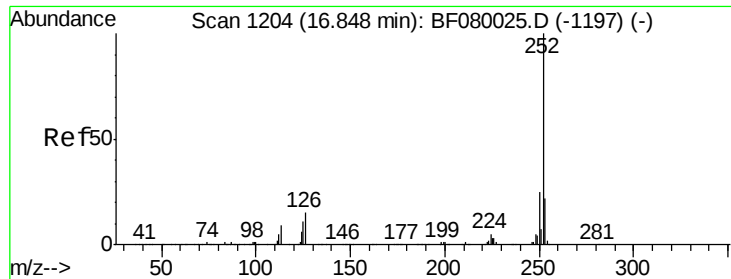
Tgt Ion: 252 Resp: 101700
Ion Ratio Lower Upper
252 100
253 22.2 17.5 26.3
125 11.3 17.1 25.7#



#88
Benzo(k)fluoranthene
Concen: 8.74 ng
RT: 16.19 min Scan# 1146
Delta R.T. -0.06 min
Lab File: BF080034.D
Acq: 17 Jun 2015 21:01

Tgt Ion: 252 Resp: 101700
Ion Ratio Lower Upper
252 100
253 22.2 17.0 25.4
125 11.3 16.0 24.0#

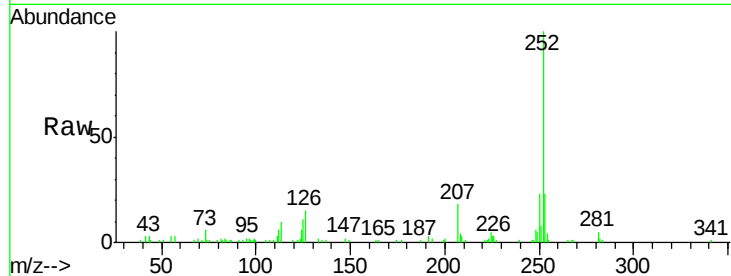




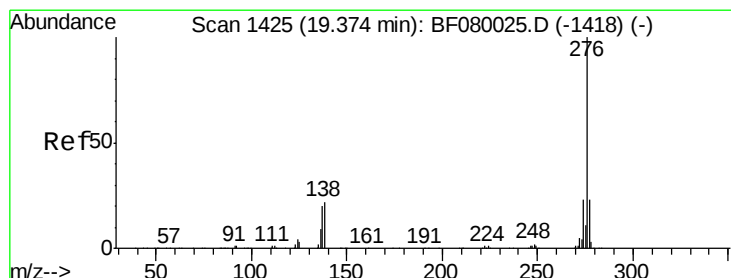
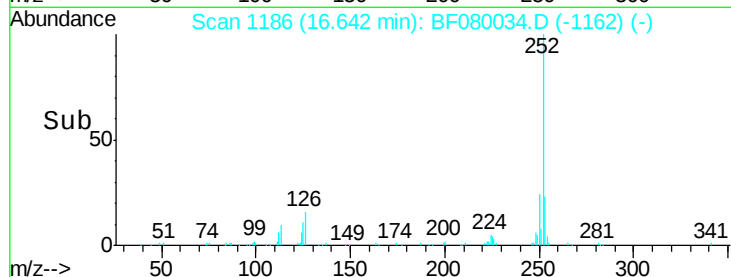
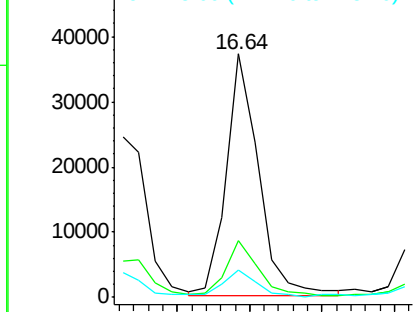
#89
Benzo(a)pyrene
Concen: 5.27 ng
RT: 16.64 min Scan# 1186
Delta R.T. -0.02 min
Lab File: BF080034.D
Acq: 17 Jun 2015 21:01

Instrument :
BNA_F
ClientSampleId :
AST-TS-001

Tgt Ion:252 Resp: 57216
Ion Ratio Lower Upper
252 100
253 23.4 17.2 25.8
125 11.1 18.0 27.0#

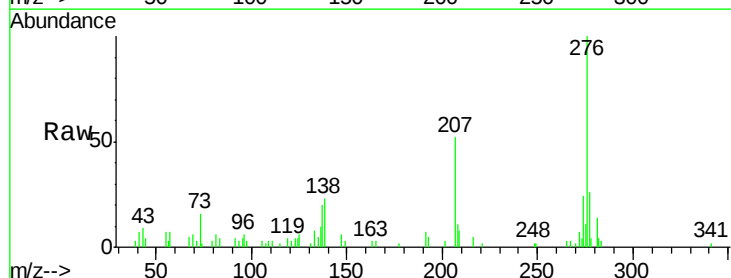


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#91
Benzo(g,h,i)perylene
Concen: 3.43 ng
RT: 19.13 min Scan# 1404
Delta R.T. -0.05 min
Lab File: BF080034.D
Acq: 17 Jun 2015 21:01

Tgt Ion:276 Resp: 38437
Ion Ratio Lower Upper
276 100
277 25.7 17.8 26.6
138 23.0 34.6 51.8#



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

