

Data Path : Z:\HPCHEM1\BNA M\DATA\BM122415\
 Data File : BM003770.D
 Acq On : 24 Dec 2015 09:35
 Operator : UM/SJ
 Sample : G4860-02
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Dec 24 14:58:00 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-SIM-BM122415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 24 10:08:49 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.69	152	49810	5.00	ng	0.00
7) Naphthalene-d8	10.48	136	212403	5.00	ng	0.00
13) Acenaphthene-d10	14.33	164	120834	5.00	ng	0.00
19) Phenanthrene-d10	17.09	188	230138	5.00	ng	0.03
26) Chrysene-d12	21.29	240	245805	5.00	ng	0.00
35) Perylene-d12	23.53	264	204000	5.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.27	112	24687	2.10	ng	0.00
5) Phenol-d6	6.87	99	18876	1.31	ng	0.00
8) Nitrobenzene-d5	8.85	82	32239	2.86	ng	0.00
14) 2,4,6-Tribromophenol	15.84	330	26258	6.93	ng	0.00
15) 2-Fluorobiphenyl	12.95	172	129961	3.52	ng	0.00
29) Terphenyl-d14	19.72	244	188586	4.85	ng	0.00

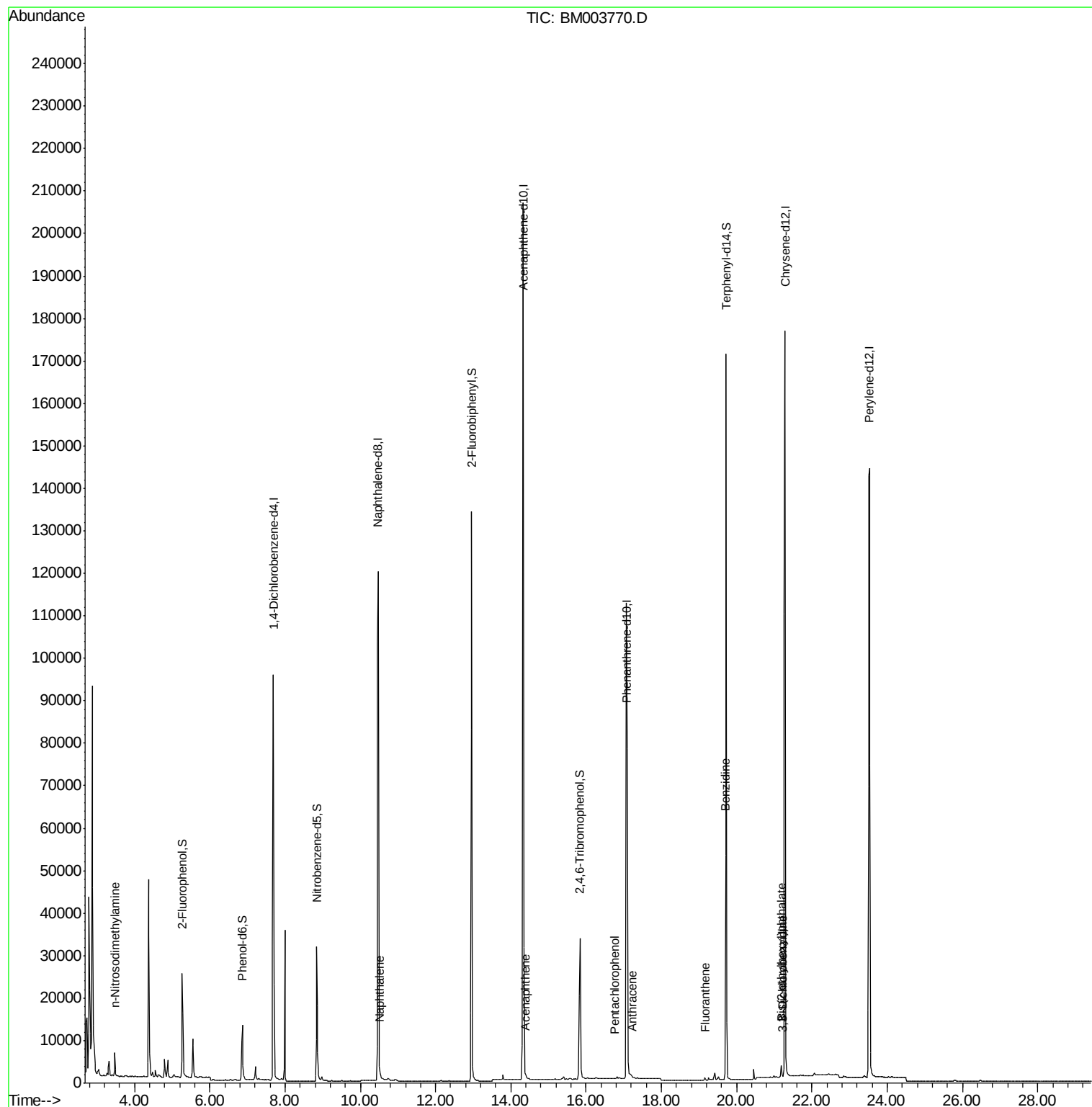
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) n-Nitrosodimethylamine	3.48	42	368	0.07	ng	# 1
10) Naphthalene	10.51	128	1083	0.02	ng	# 77
17) Acenaphthene	14.39	154	269	0.03	ng	# 63
20) 4-Bromophenyl-phenylether	16.27	248	21	Below Cal		# 51
21) Hexachlorobenzene	16.40	284	35	Below Cal		# 91
22) Pentachlorophenol	16.76	266	67	0.39	ng	# 71
23) Phenanthrene	17.11	178	2164	Below Cal		# 89
24) Anthracene	17.22	178	365	0.07	ng	# 82
25) Fluoranthene	19.16	202	891	0.11	ng	# 93
27) Benzidine	19.71	184	4017	0.39	ng	# 94
28) Pyrene	19.52	202	799	Below Cal		# 94
31) 3,3'-Dichlorobenzidine	21.23	252	57	0.25	ng	# 55
32) Chrysene	21.27	228	1900	Below Cal		# 82
33) Bis(2-ethylhexyl)phthalate	21.19	149	3409	0.25	ng	# 92

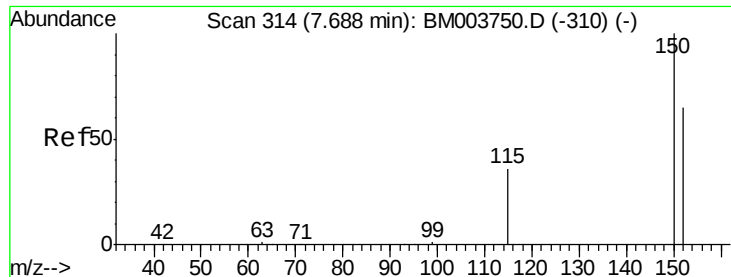
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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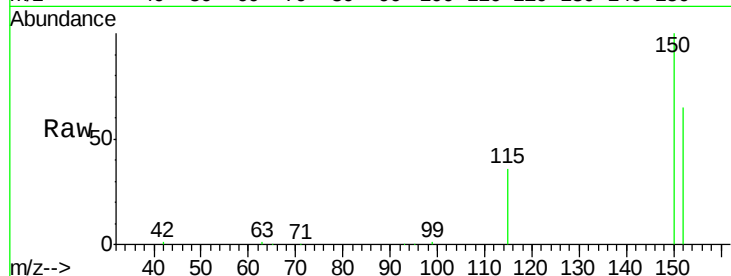


#1

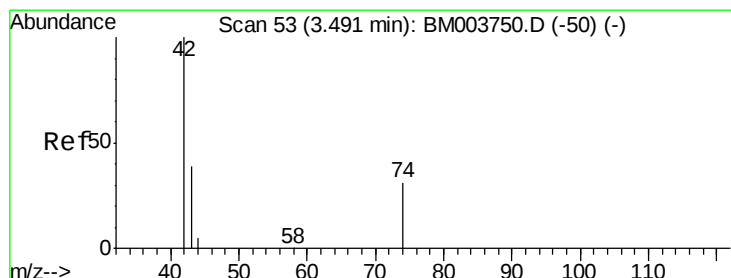
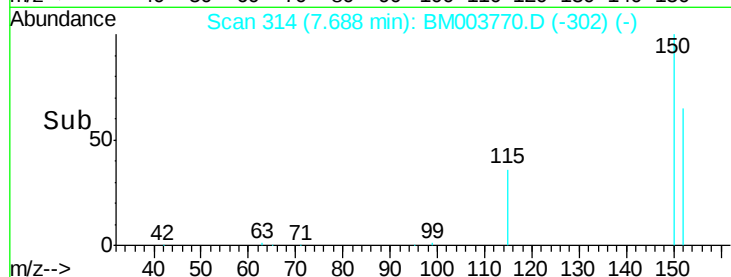
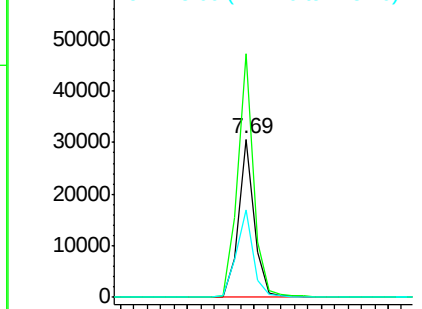
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.69 min Scan# 314
Delta R.T. -0.00 min
Lab File: BM003770.D
Acq: 24 Dec 2015 09:35

Instrument :
BNA_M
ClientSampleId :

Tot Ion:152 Resp: 49810
Ion Ratio Lower Upper
152 100
150 154.1 122.9 184.3
115 55.2 44.4 66.6



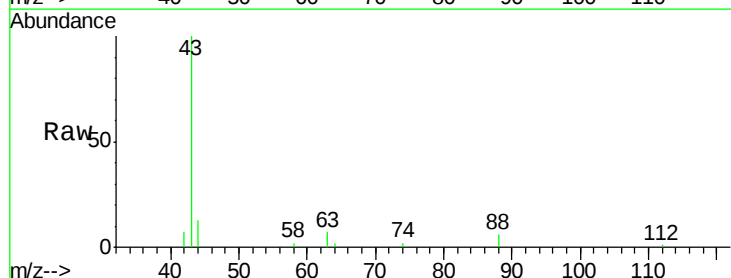
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



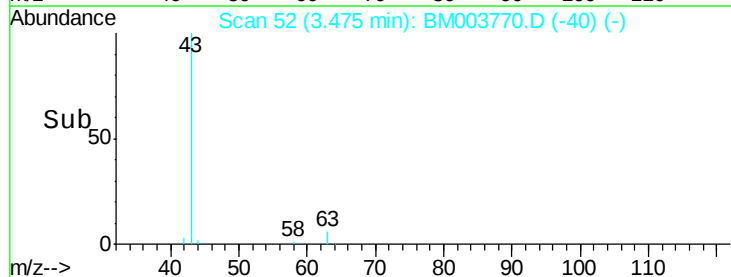
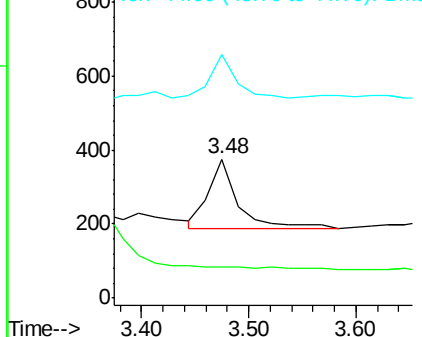
#3

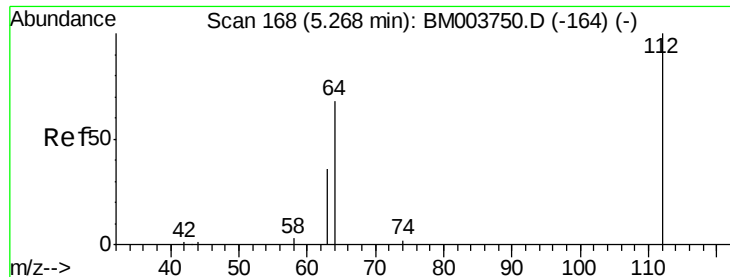
n-Nitrosodimethylamine
Concen: 0.07 ng
RT: 3.48 min Scan# 52
Delta R.T. -0.02 min
Lab File: BM003770.D
Acq: 24 Dec 2015 09:35

Tgt Ion: 42 Resp: 368
Ion Ratio Lower Upper
42 100
74 0.0 95.0 142.4#
44 55.7 5.1 7.7#



Abundance Ion 42.00 (41.70 to 42.70): BM0
Ion 74.00 (73.70 to 74.70): BM0
Ion 44.00 (43.70 to 44.70): BM0





#4

2-Fluorophenol

Concen: 2.10 ng

RT: 5.27 min Scan# 168

Delta R.T. 0.00 min

Lab File: BM003770.D

Acq: 24 Dec 2015 09:35

Instrument :

BNA_M

ClientSampleId :

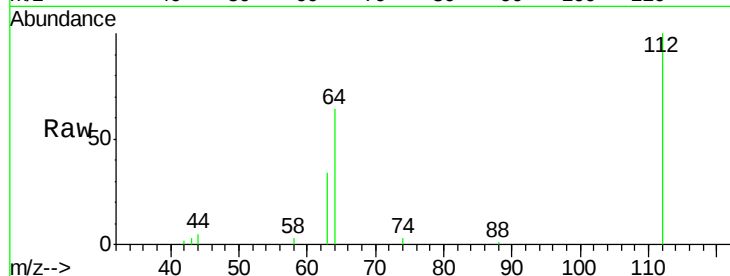
Tot Ion:112 Resp: 24687

Ion Ratio Lower Upper

112 100

64 51.9 41.8 62.8

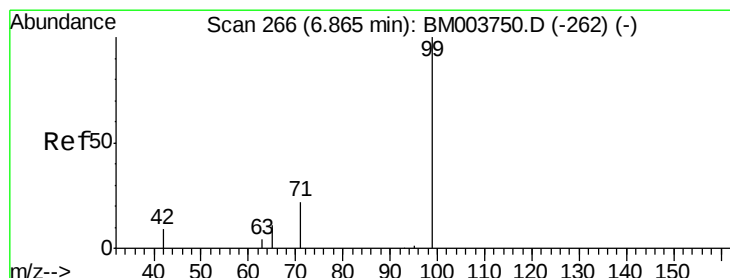
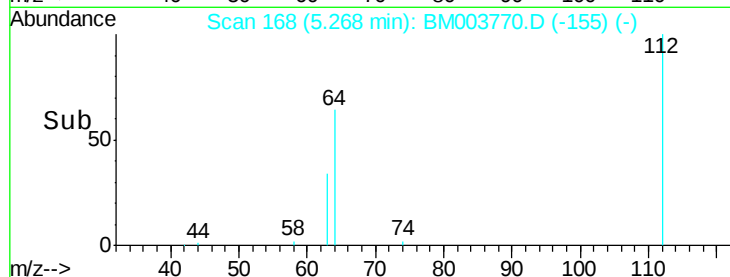
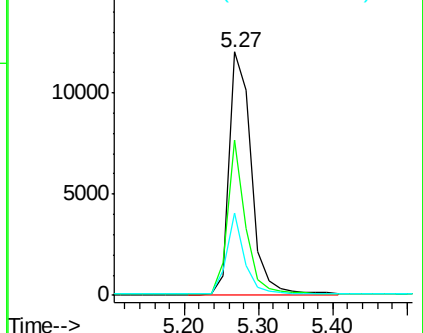
63 27.3 22.1 33.1



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BM

Ion 63.00 (62.70 to 63.70): BM



#5

Phenol-d6

Concen: 1.31 ng

RT: 6.87 min Scan# 266

Delta R.T. -0.00 min

Lab File: BM003770.D

Acq: 24 Dec 2015 09:35

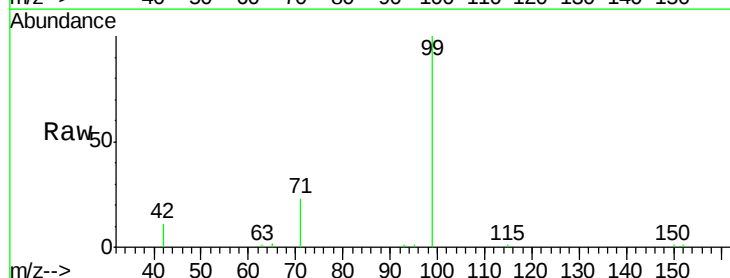
Tgt Ion: 99 Resp: 18876

Ion Ratio Lower Upper

99 100

42 18.5 16.2 24.2

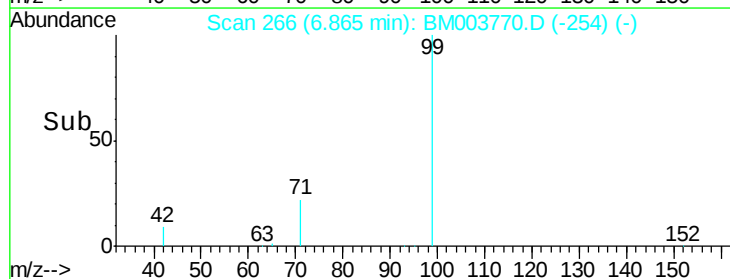
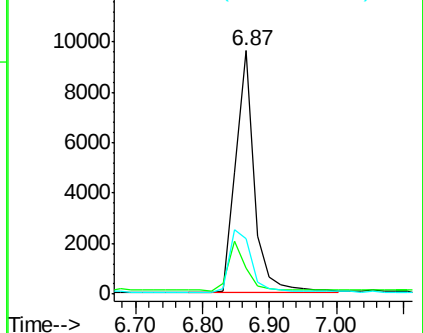
71 30.7 24.4 36.6

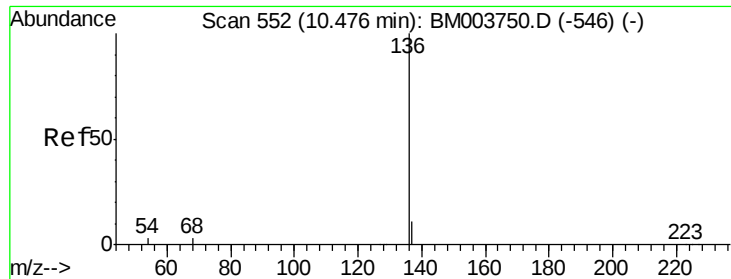


Abundance Ion 99.00 (98.70 to 99.70): BM

Ion 42.00 (41.70 to 42.70): BM

Ion 71.00 (70.70 to 71.70): BM





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.48 min Scan# 552

Delta R.T. 0.00 min

Lab File: BM003770.D

Acq: 24 Dec 2015 09:35

Instrument :

BNA_M

ClientSampleId :

Tot Ion:136 Resp: 212403

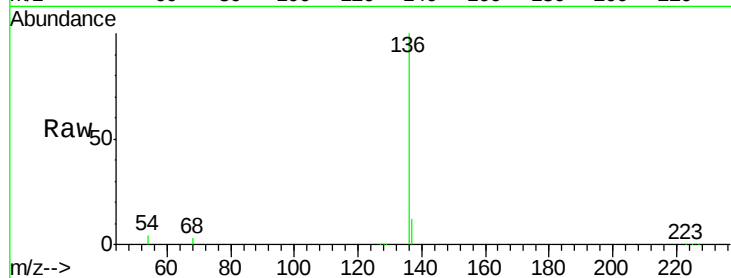
Ion Ratio Lower Upper

136 100

137 11.6 9.2 13.8

54 3.8 2.8 4.2

68 3.2 2.5 3.7

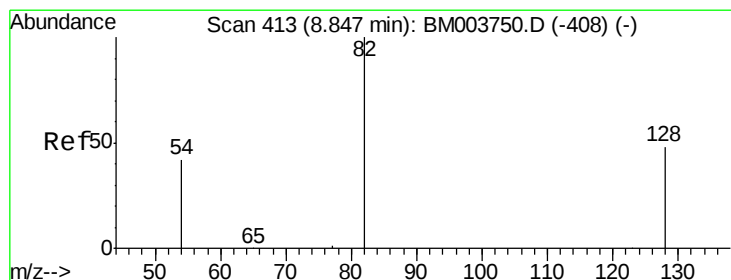
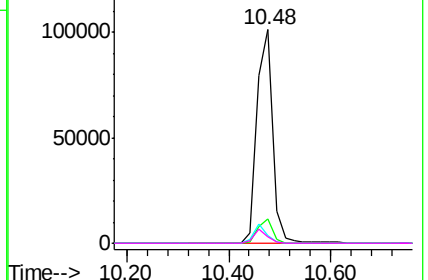
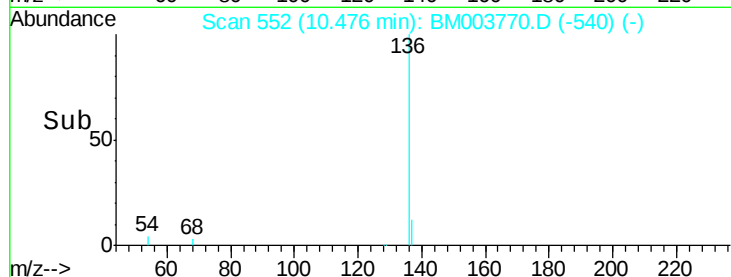


Abundance Ion 136.00 (135.70 to 136.70): B

Ion 137.00 (136.70 to 137.70): B

Ion 54.00 (53.70 to 54.70): B

Ion 68.00 (67.70 to 68.70): B



#8

Nitrobenzene-d5

Concen: 2.86 ng

RT: 8.85 min Scan# 413

Delta R.T. 0.00 min

Lab File: BM003770.D

Acq: 24 Dec 2015 09:35

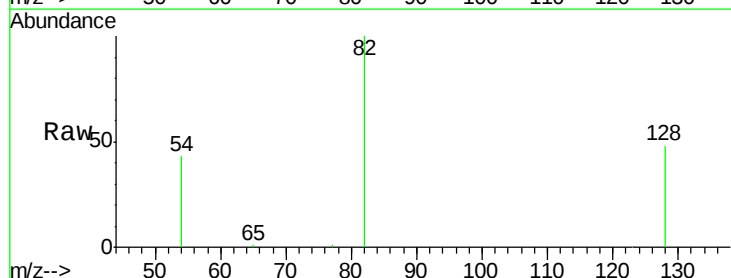
Tgt Ion: 82 Resp: 32239

Ion Ratio Lower Upper

82 100

128 47.8 39.1 58.7

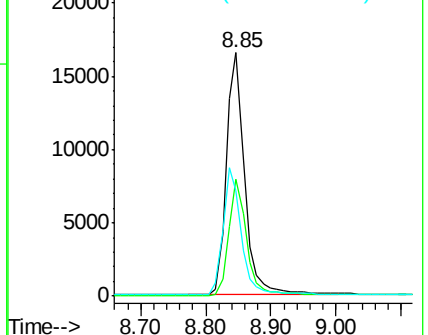
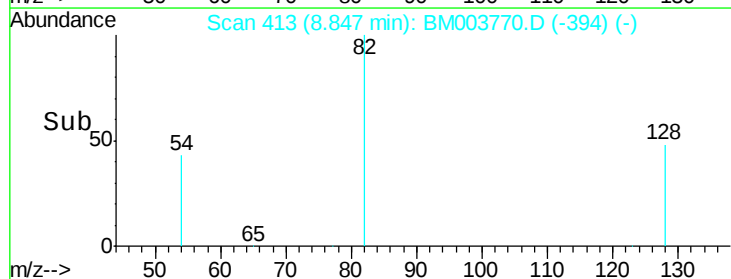
54 43.4 34.8 52.2

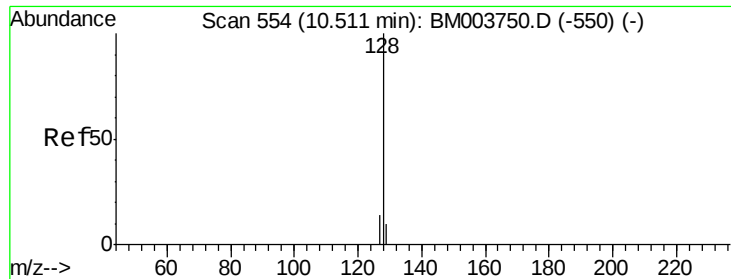


Abundance Ion 82.00 (81.70 to 82.70): B

Ion 128.00 (127.70 to 128.70): B

Ion 54.00 (53.70 to 54.70): B

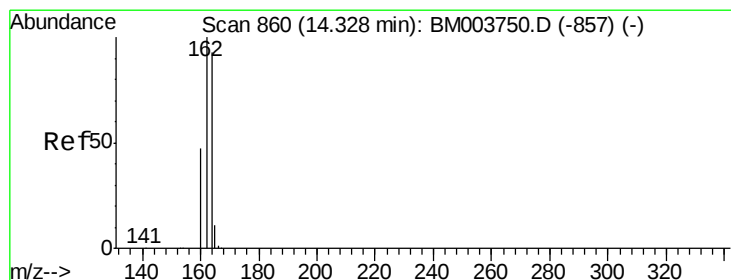
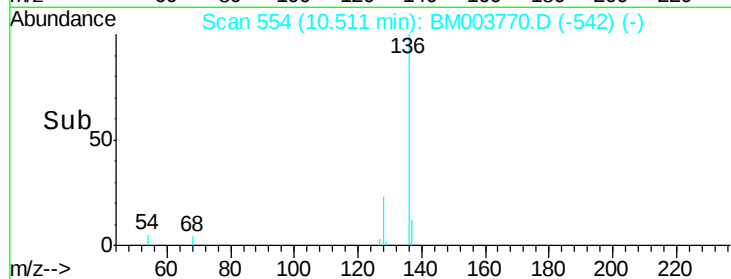
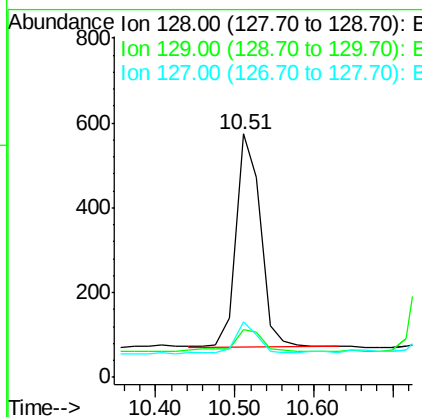
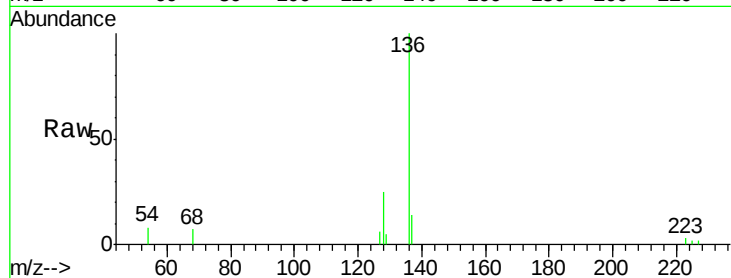




#10
Naphthalene
Concen: 0.02 ng
RT: 10.51 min Scan# 554
Delta R.T. 0.00 min
Lab File: BM003770.D
Acq: 24 Dec 2015 09:35

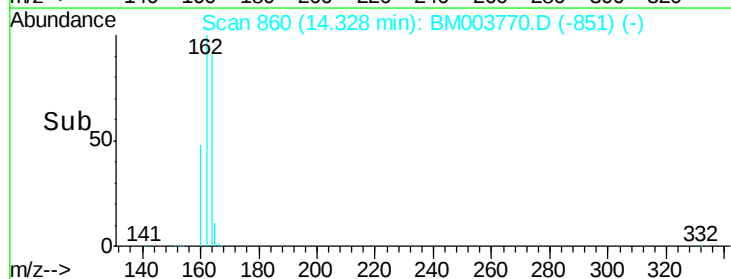
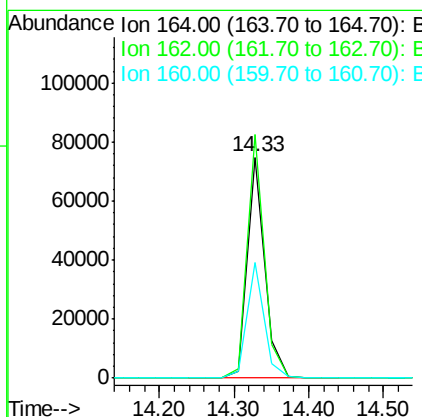
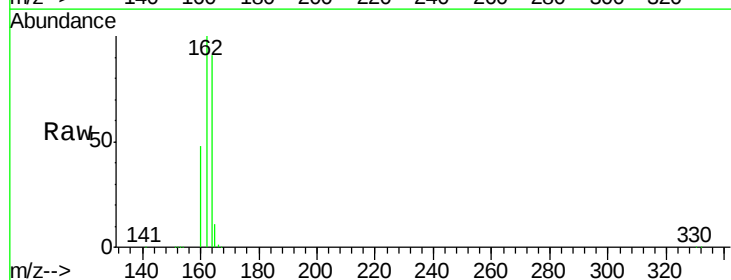
Instrument :
BNA_M
ClientSampleId :

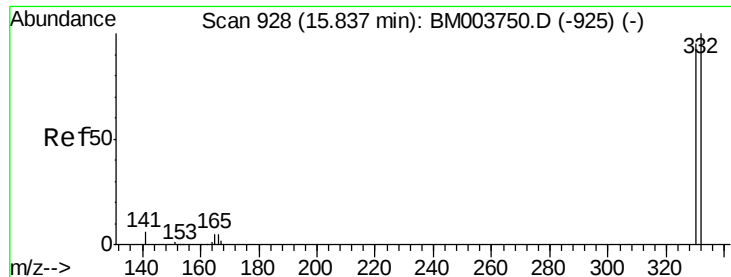
Tot Ion:128 Resp: 1083
Ion Ratio Lower Upper
128 100
129 19.9 8.5 12.7#
127 22.6 11.0 16.4#



#13
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.33 min Scan# 860
Delta R.T. 0.00 min
Lab File: BM003770.D
Acq: 24 Dec 2015 09:35

Tgt Ion:164 Resp: 120834
Ion Ratio Lower Upper
164 100
162 110.1 86.0 129.0
160 52.4 40.3 60.5

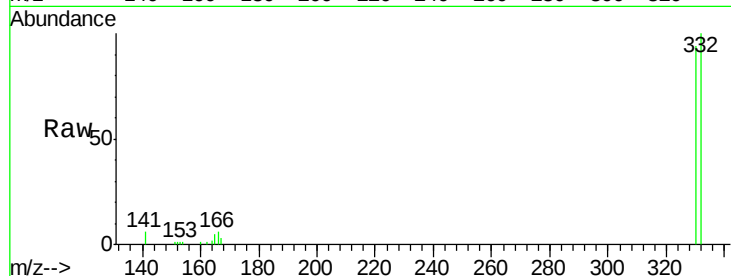




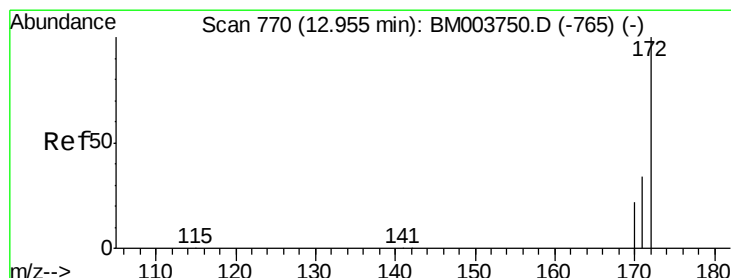
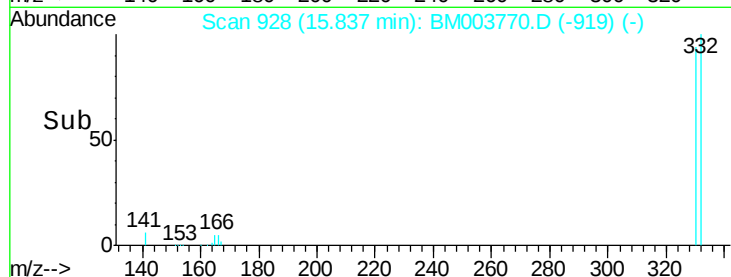
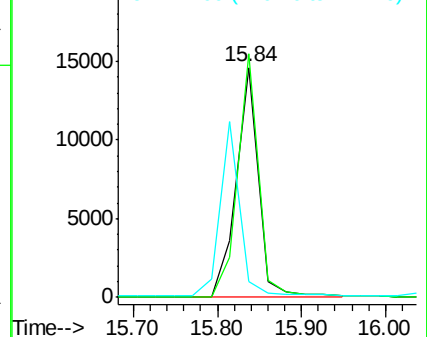
#14
 2,4,6-Tribromophenol
 Concen: 6.93 ng
 RT: 15.84 min Scan# 928
 Delta R.T. 0.00 min
 Lab File: BM003770.D
 Acq: 24 Dec 2015 09:35

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion:330 Resp: 26258
 Ion Ratio Lower Upper
 330 100
 332 99.4 79.0 118.4
 141 0.0 0.0 0.0

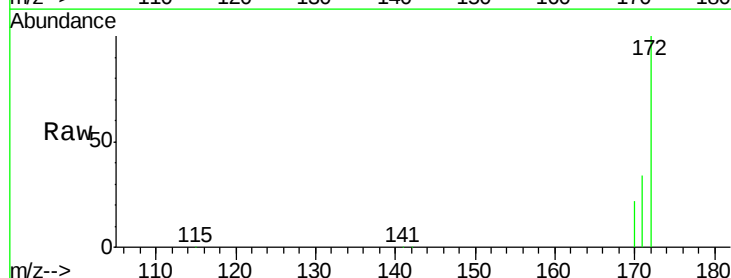


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

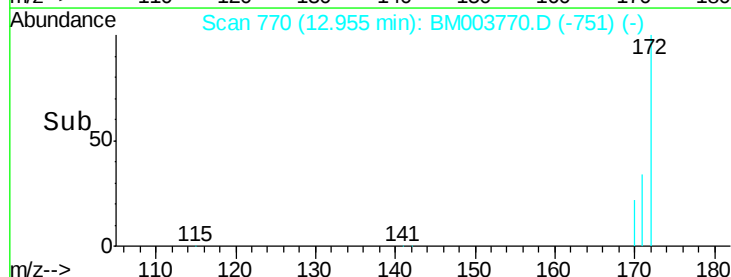
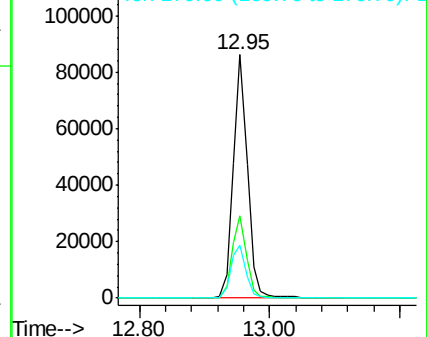


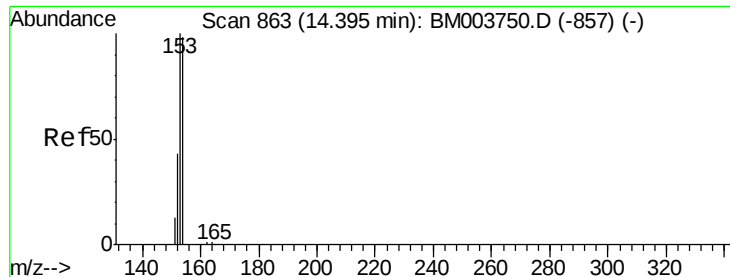
#15
 2-Fluorobiphenyl
 Concen: 3.52 ng
 RT: 12.95 min Scan# 770
 Delta R.T. 0.00 min
 Lab File: BM003770.D
 Acq: 24 Dec 2015 09:35

Tgt Ion:172 Resp: 129961
 Ion Ratio Lower Upper
 172 100
 171 33.8 27.0 40.6
 170 21.6 17.9 26.9



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





#17

Acenaphthene

Concen: 0.03 ng

RT: 14.39 min Scan# 863

Delta R.T. 0.00 min

Lab File: BM003770.D

Acq: 24 Dec 2015 09:35

Instrument :

BNA_M

ClientSampleId :

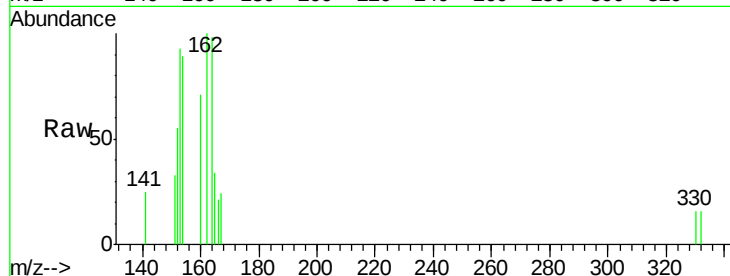
Tot Ion:154 Resp: 269

Ion Ratio Lower Upper

154 100

153 149.1 85.4 128.2#

152 71.4 40.6 60.8#



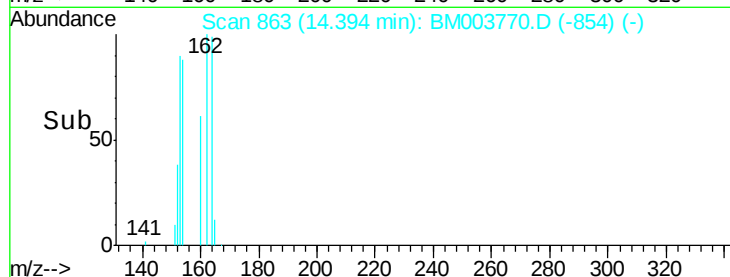
Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

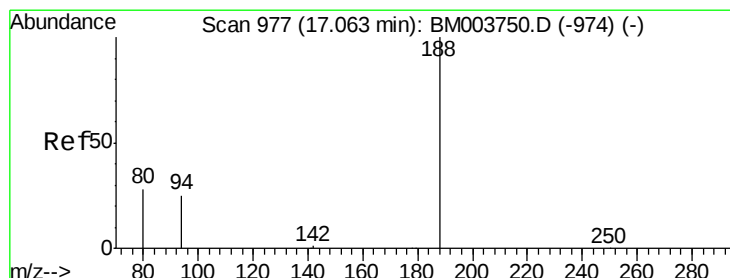
Ion 152.00 (151.70 to 152.70): E

14.39

Time-->



Time-->



#19

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.09 min Scan# 978

Delta R.T. 0.03 min

Lab File: BM003770.D

Acq: 24 Dec 2015 09:35

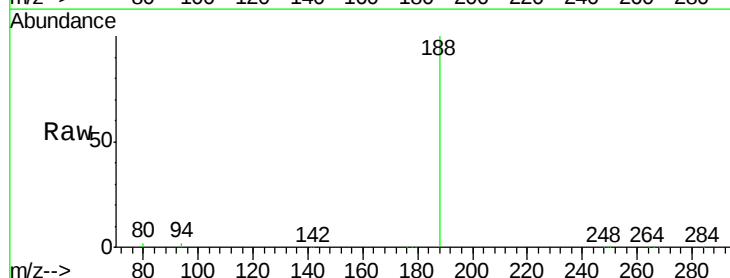
Tgt Ion:188 Resp: 230138

Ion Ratio Lower Upper

188 100

94 1.9 20.3 30.5#

80 1.5 22.2 33.4#



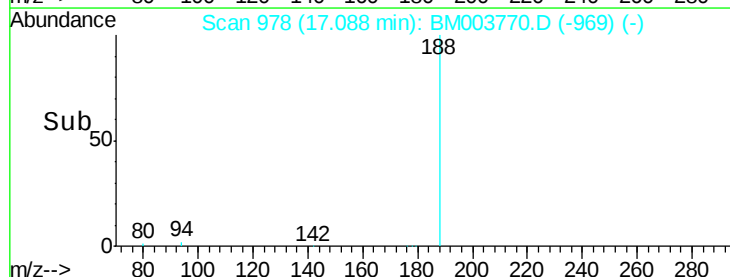
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM0

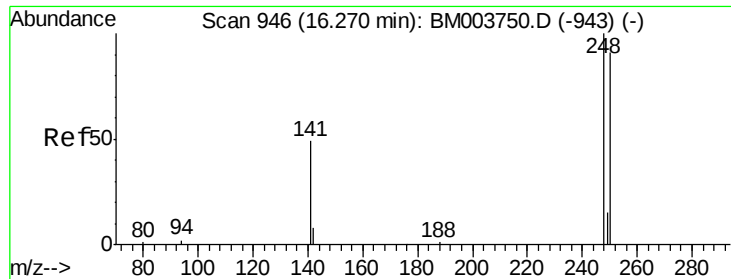
Ion 80.00 (79.70 to 80.70): BM0

17.09

Time-->



Time-->



#20

4-Bromophenyl-phenylether

Concen: Below Cal

RT: 16.27 min Scan# 946

Delta R.T. 0.00 min

Lab File: BM003770.D

Acq: 24 Dec 2015 09:35

Instrument :

BNA_M

ClientSampleId :

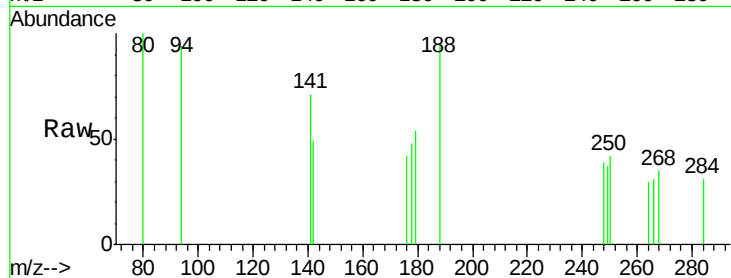
Tot Ion:248 Resp: 21

Ion Ratio Lower Upper

248 100

250 161.9 75.0 112.4#

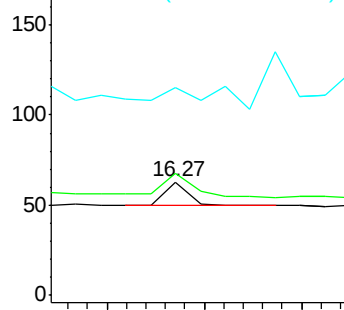
141 52.4 53.0 79.4#



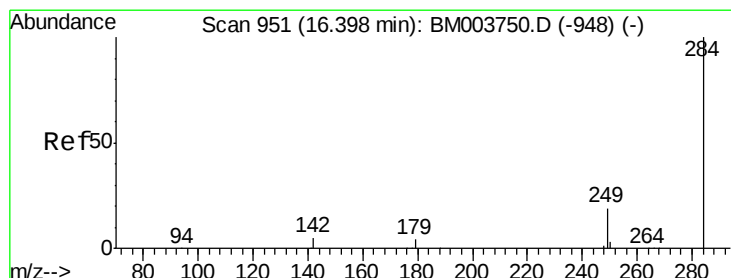
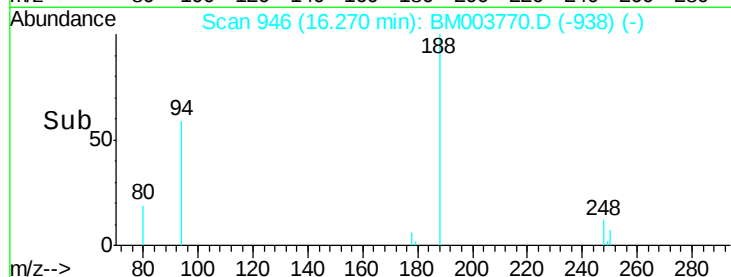
Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



Time-->



#21

Hexachlorobenzene

Concen: Below Cal

RT: 16.40 min Scan# 951

Delta R.T. 0.00 min

Lab File: BM003770.D

Acq: 24 Dec 2015 09:35

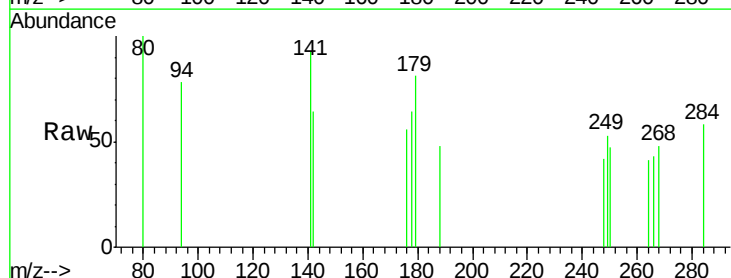
Tgt Ion:284 Resp: 35

Ion Ratio Lower Upper

284 100

142 0.0 0.0 0.0

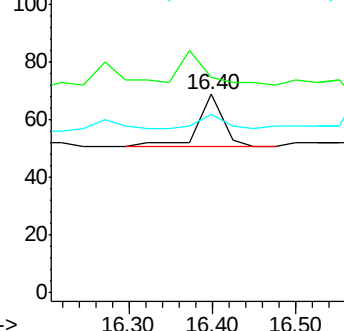
249 31.4 21.5 32.3



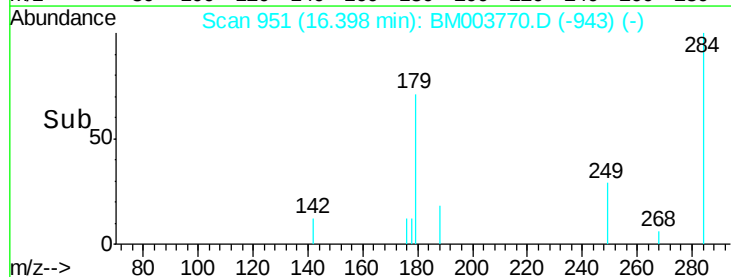
Abundance Ion 283.80 (283.50 to 284.50): E

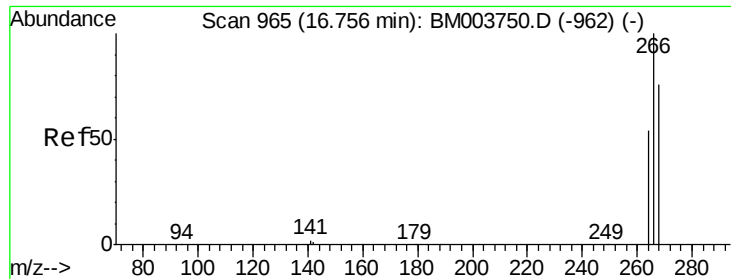
Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



Time-->





#22

Pentachlorophenol

Concen: 0.39 ng

RT: 16.76 min Scan# 965

Delta R.T. 0.00 min

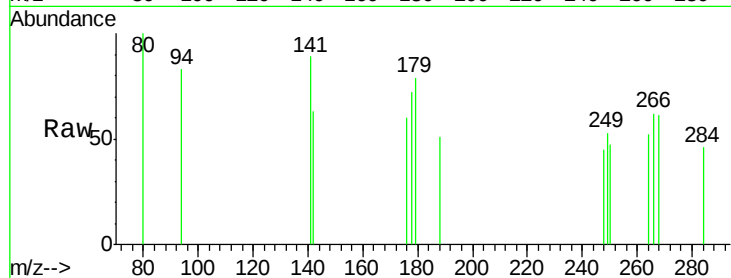
Lab File: BM003770.D

Acq: 24 Dec 2015 09:35

Instrument :

BNA_M

ClientSampleId :



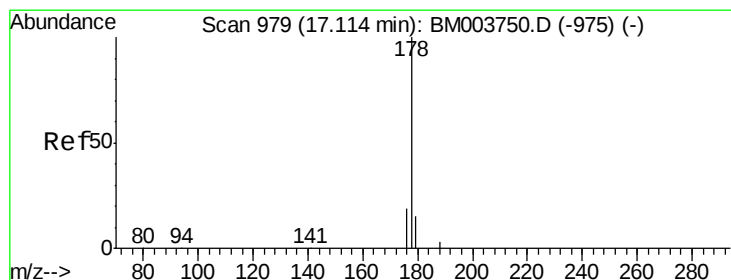
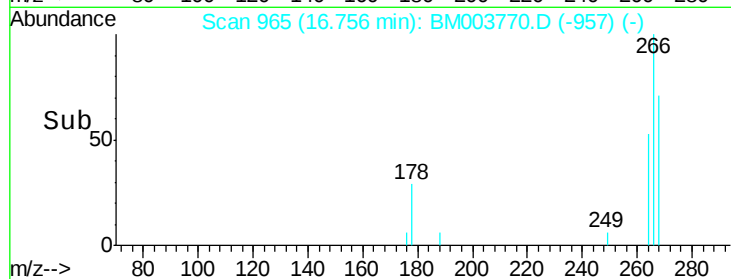
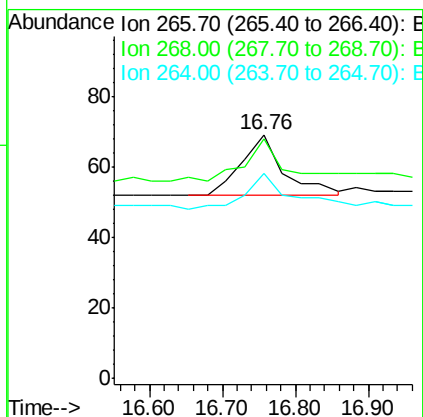
Tot Ion:266 Resp: 67

Ion Ratio Lower Upper

266 100

268 98.6 62.7 94.1#

264 84.1 45.7 68.5#



#23

Phenanthrene

Concen: Below Cal

RT: 17.11 min Scan# 979

Delta R.T. 0.00 min

Lab File: BM003770.D

Acq: 24 Dec 2015 09:35

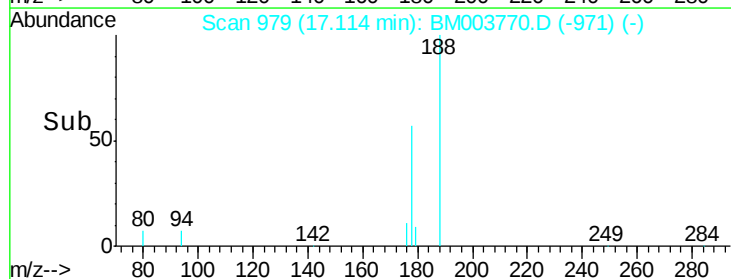
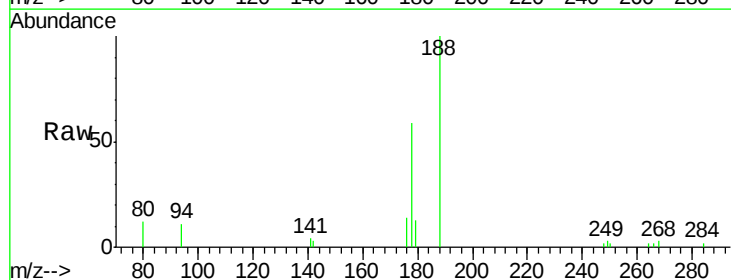
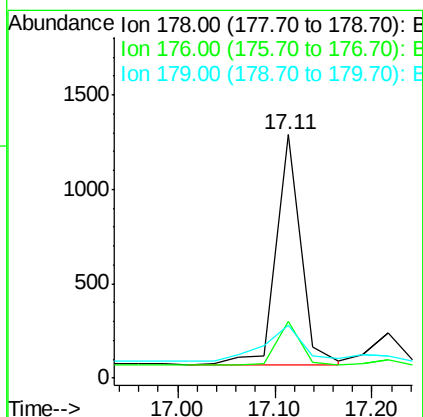
Tgt Ion:178 Resp: 2164

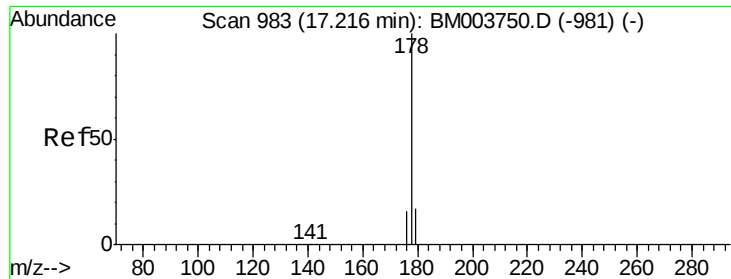
Ion Ratio Lower Upper

178 100

176 18.3 15.4 23.0

179 25.0 12.2 18.4#

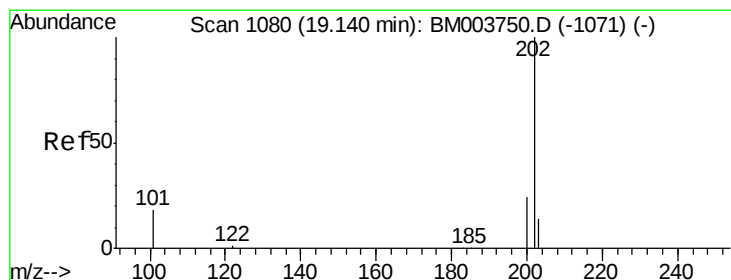
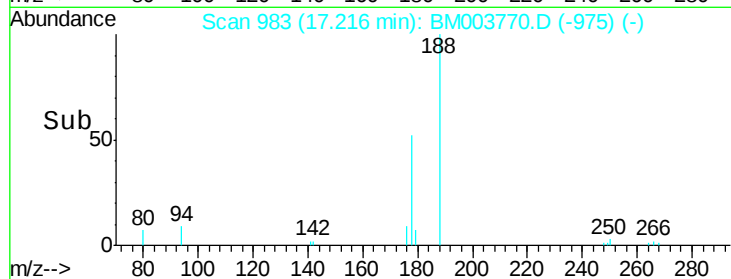
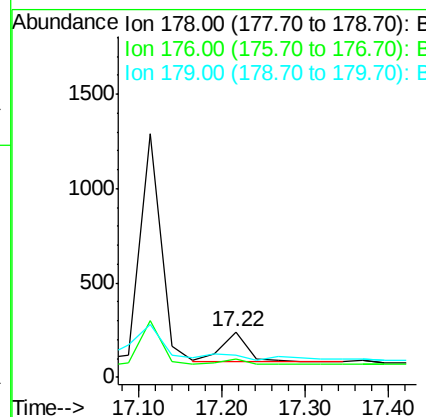
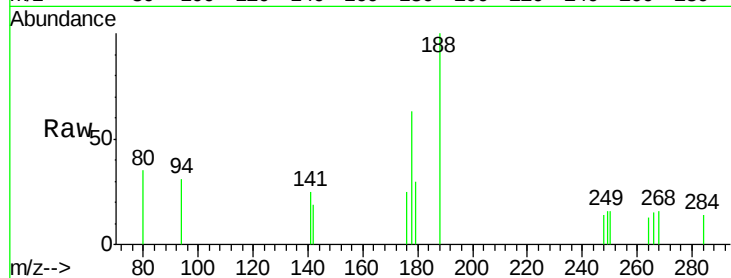




#24
 Anthracene
 Concen: 0.07 ng
 RT: 17.22 min Scan# 983
 Delta R.T. 0.00 min
 Lab File: BM003770.D
 Acq: 24 Dec 2015 09:35

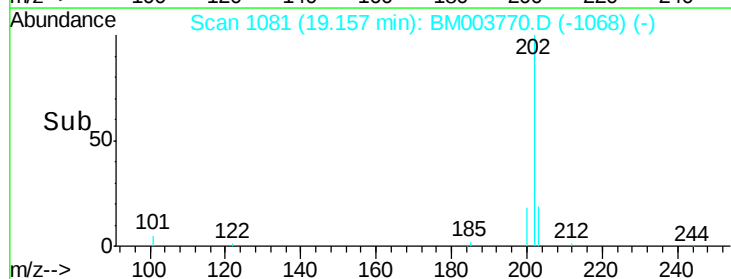
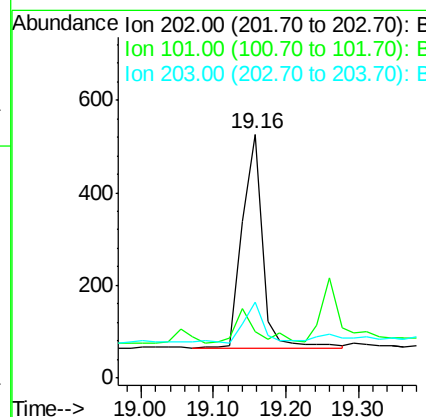
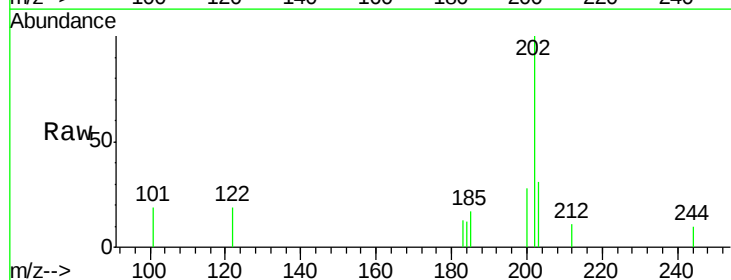
Instrument :
 BNA_M
 ClientSampleId :

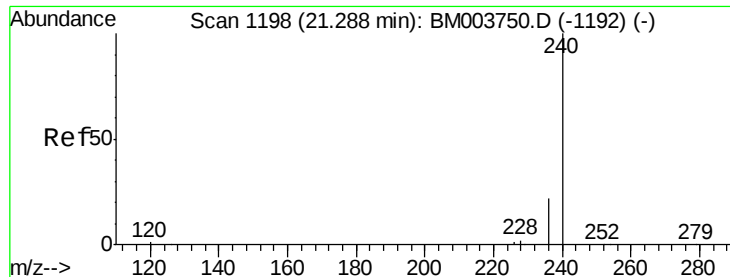
Tot Ion:178 Resp: 365
 Ion Ratio Lower Upper
 178 100
 176 18.1 14.6 21.8
 179 0.0 12.6 19.0#



#25
 Fluoranthene
 Concen: 0.11 ng
 RT: 19.16 min Scan# 1081
 Delta R.T. 0.02 min
 Lab File: BM003770.D
 Acq: 24 Dec 2015 09:35

Tgt Ion:202 Resp: 891
 Ion Ratio Lower Upper
 202 100
 101 17.5 9.7 14.5#
 203 16.5 13.8 20.8

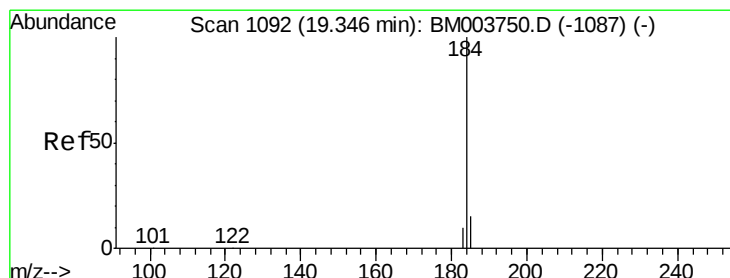
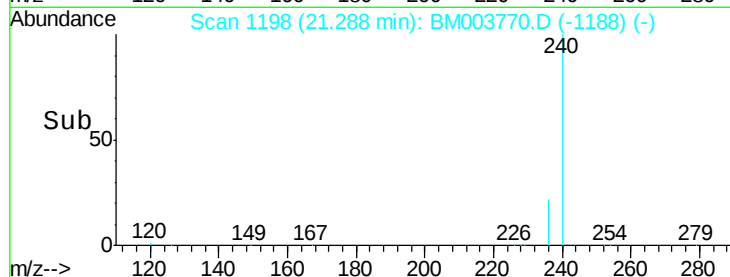
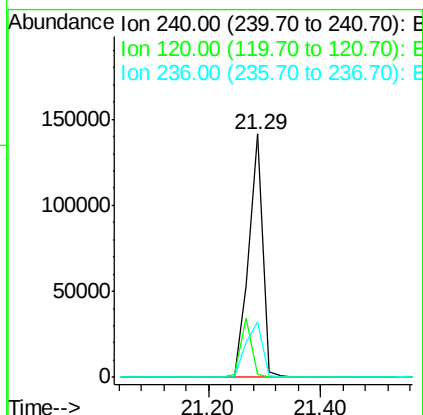
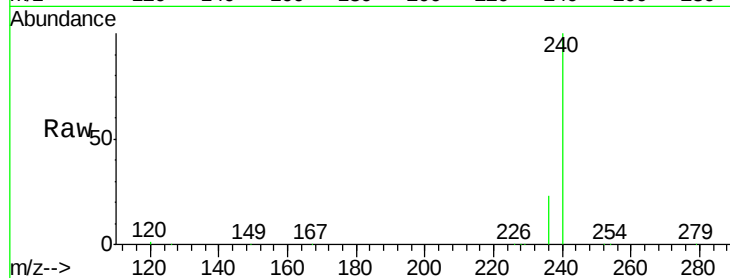




#26
Chrysene-d12
Concen: 5.00 ng
RT: 21.29 min Scan# 1198
Delta R.T. 0.00 min
Lab File: BM003770.D
Acq: 24 Dec 2015 09:35

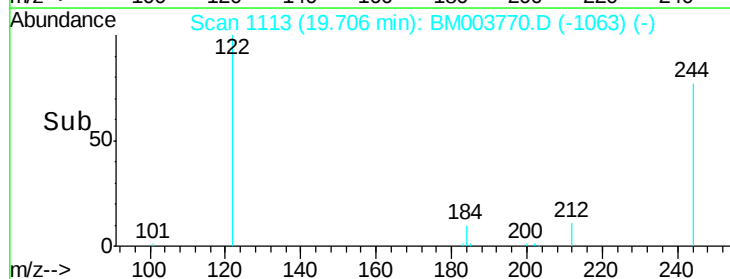
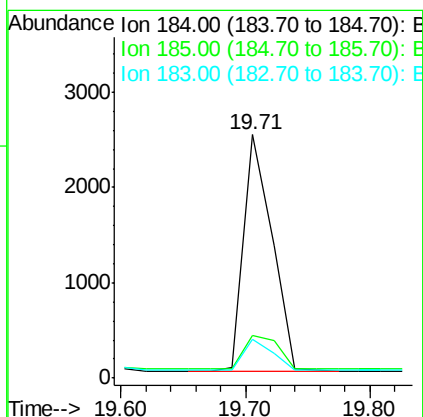
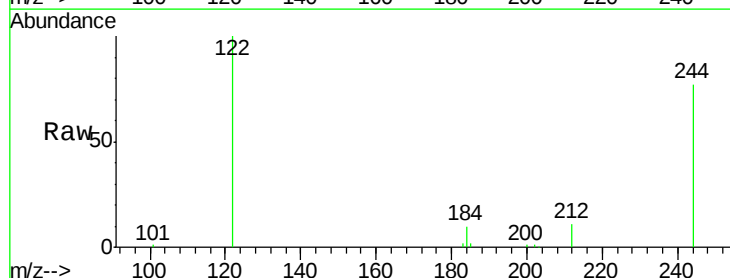
Instrument :
BNA_M
ClientSampleId :

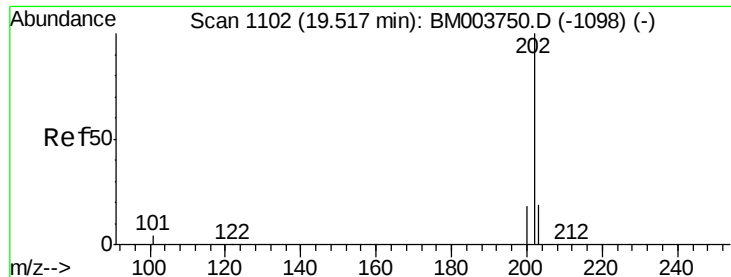
Tot Ion:240 Resp: 245805
Ion Ratio Lower Upper
240 100
120 1.4 0.9 1.3#
236 22.5 17.3 25.9



#27
Benzidine
Concen: 0.39 ng
RT: 19.71 min Scan# 1113
Delta R.T. 0.36 min
Lab File: BM003770.D
Acq: 24 Dec 2015 09:35

Tgt Ion:184 Resp: 4017
Ion Ratio Lower Upper
184 100
185 17.4 13.2 19.8
183 16.0 9.0 13.6#

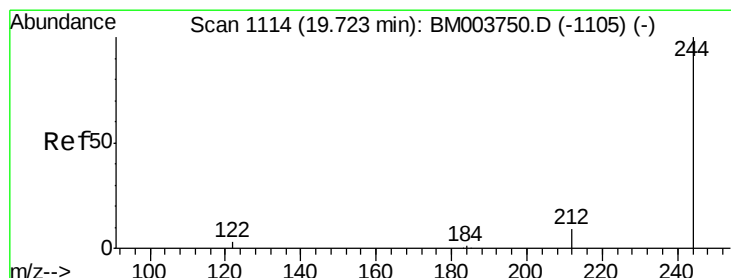
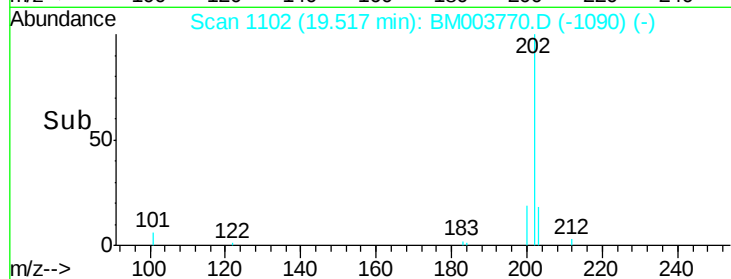
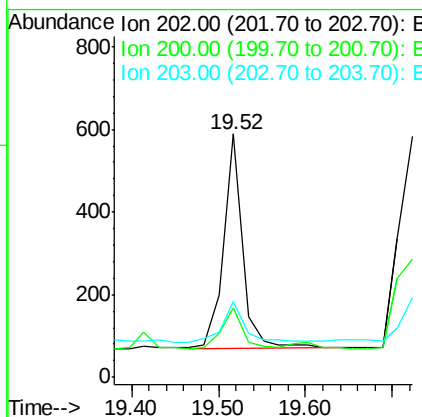
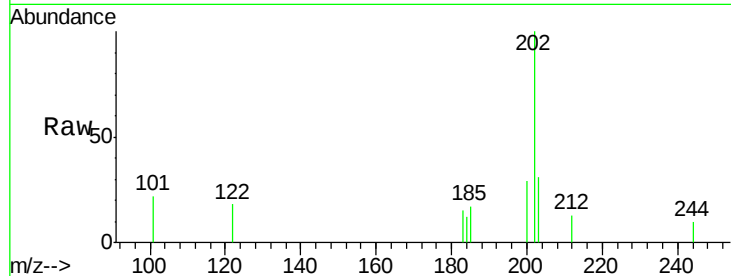




#28
Pvrene
Concen: Below Cal
RT: 19.52 min Scan# 1102
Delta R.T. 0.00 min
Lab File: BM003770.D
Acq: 24 Dec 2015 09:35

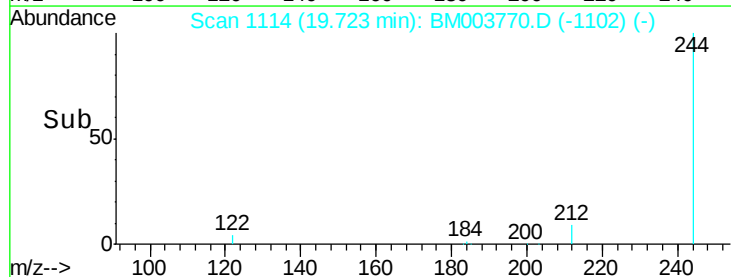
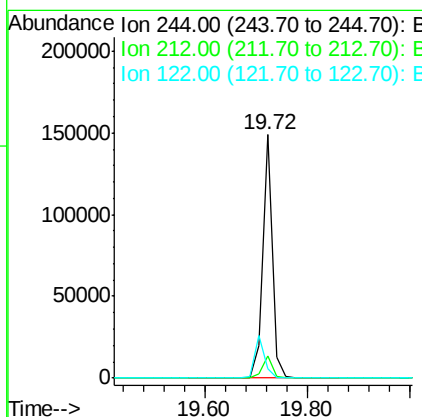
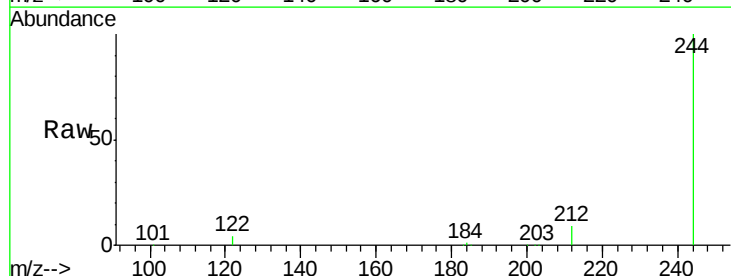
Instrument :
BNA_M
ClientSampleId :

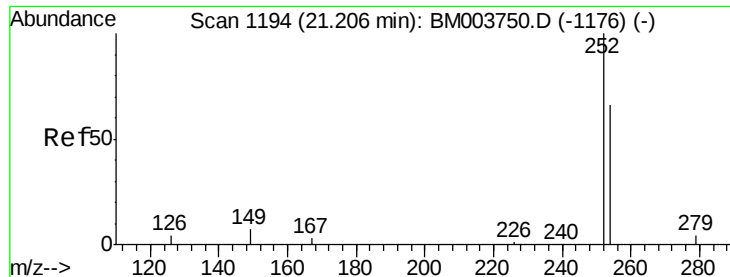
Tot Ion:202 Resp: 799
Ion Ratio Lower Upper
202 100
200 20.8 16.6 24.8
203 23.3 14.0 21.0#



#29
Terphenyl-d14
Concen: 4.85 ng
RT: 19.72 min Scan# 1114
Delta R.T. 0.00 min
Lab File: BM003770.D
Acq: 24 Dec 2015 09:35

Tgt Ion:244 Resp: 188586
Ion Ratio Lower Upper
244 100
212 9.3 7.0 10.6
122 3.7 3.0 4.6

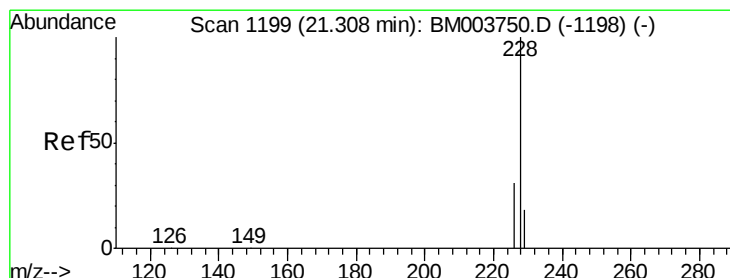
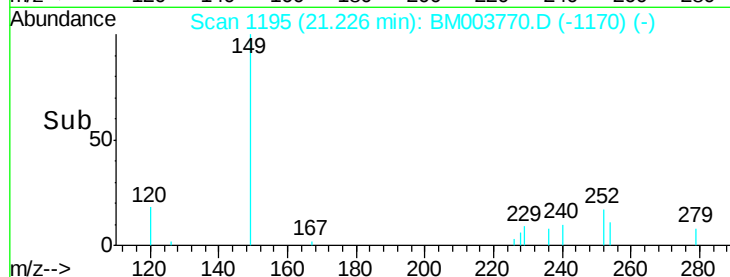
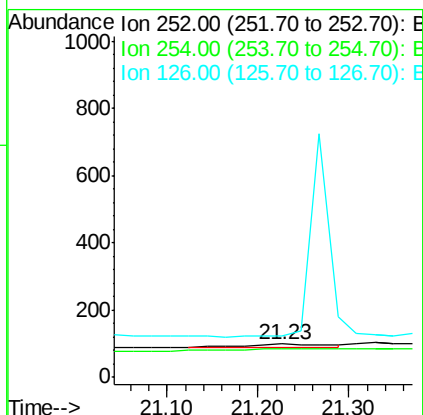
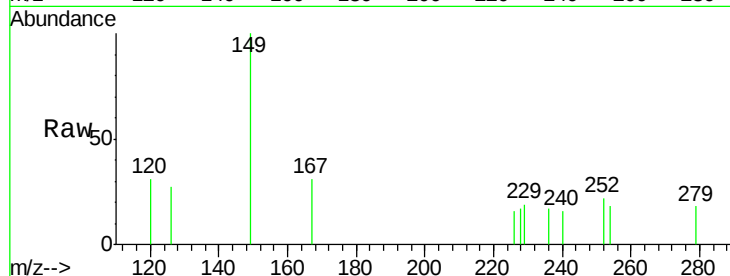




#31
 3,3'-Dichlorobenzidine
 Concen: 0.25 ng
 RT: 21.23 min Scan# 1195
 Delta R.T. 0.02 min
 Lab File: BM003770.D
 Acq: 24 Dec 2015 09:35

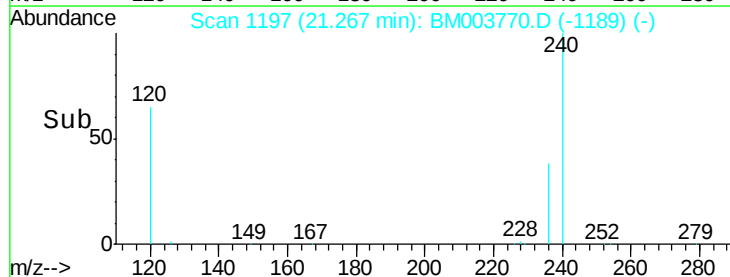
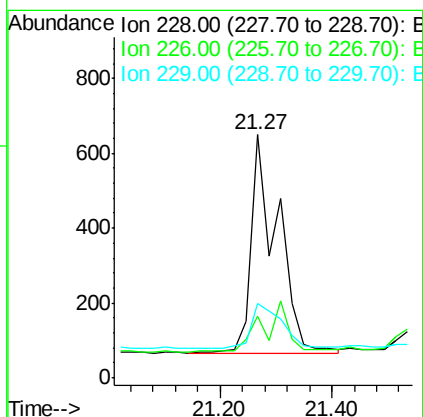
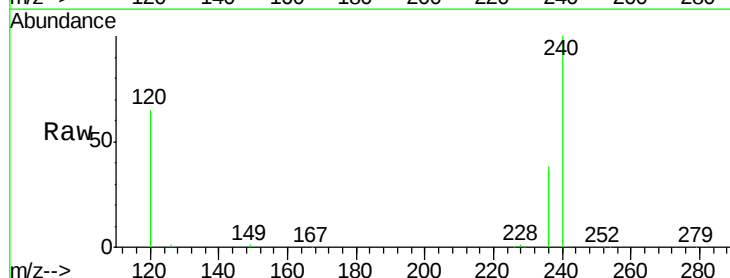
Instrument :
 BNA_M
 ClientSampled :

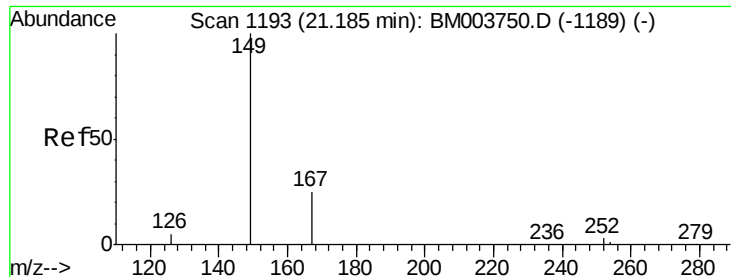
Tot Ion:252 Resp: 57
 Ion Ratio Lower Upper
 252 100
 254 83.8 52.6 79.0#
 126 122.2 3.7 5.5#



#32
 Chrysene
 Concen: Below Cal
 RT: 21.27 min Scan# 1197
 Delta R.T. -0.04 min
 Lab File: BM003770.D
 Acq: 24 Dec 2015 09:35

Tgt Ion:228 Resp: 1900
 Ion Ratio Lower Upper
 228 100
 226 25.2 25.3 37.9#
 229 30.6 14.5 21.7#





#33

Bis(2-ethylhexyl)phthalate

Concen: 0.25 ng

RT: 21.19 min Scan# 1193

Delta R.T. 0.00 min

Lab File: BM003770.D

Acq: 24 Dec 2015 09:35

Instrument :

BNA_M

ClientSampleId :

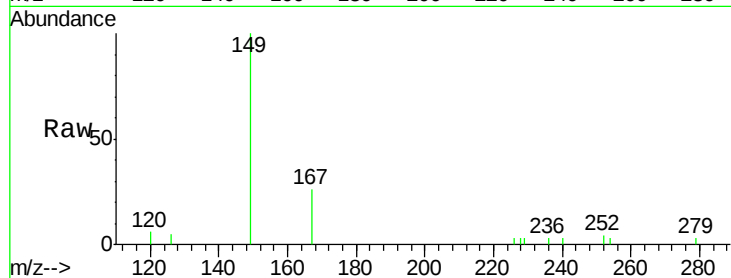
Tot Ion:149 Resp: 3409

Ion Ratio Lower Upper

149 100

167 21.0 20.1 30.1

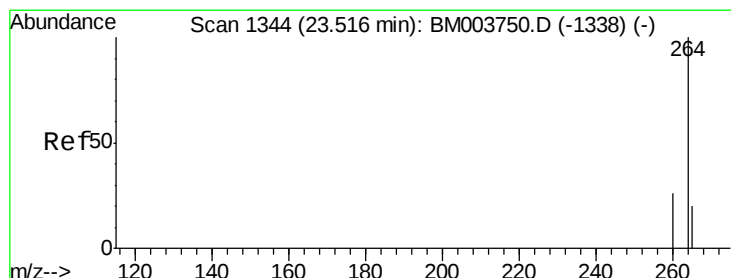
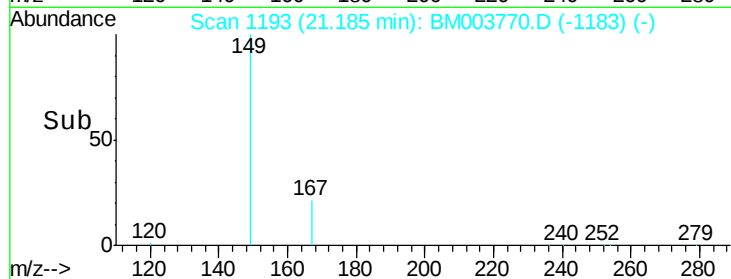
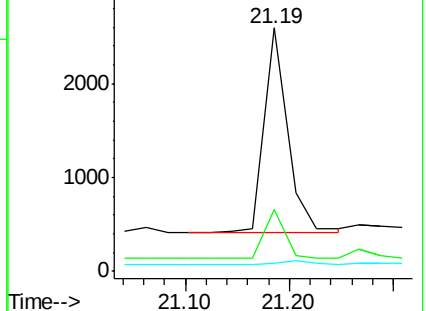
279 0.0 0.0 0.0



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



#35

Perylene-d12

Concen: 5.00 ng

RT: 23.53 min Scan# 1345

Delta R.T. 0.01 min

Lab File: BM003770.D

Acq: 24 Dec 2015 09:35

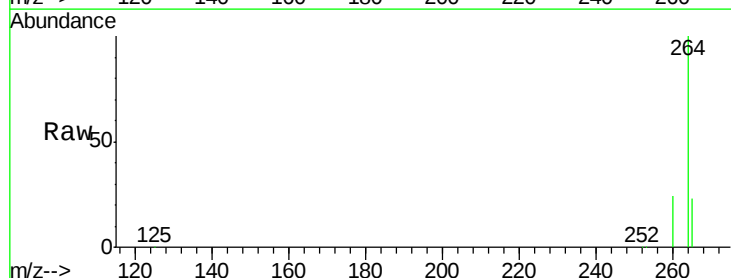
Tgt Ion:264 Resp: 204000

Ion Ratio Lower Upper

264 100

260 24.1 21.2 31.8

265 22.6 16.7 25.1



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

