

Data Path : Z:\HPCHEM1\BNA M\DATA\BM122415\
 Data File : BM003769.D
 Acq On : 24 Dec 2015 08:20
 Operator : UM/SJ
 Sample : G4860-01
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Dec 24 14:57:48 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	39171	5.00	ng	0.00
7) Naphthalene-d8	10.48	136	172362	5.00	ng	0.00
13) Acenaphthene-d10	14.33	164	102240	5.00	ng	0.00
19) Phenanthrene-d10	17.06	188	199150	5.00	ng	0.00
26) Chrysene-d12	21.29	240	226198	5.00	ng	0.00
35) Perylene-d12	23.53	264	200170	5.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.27	112	24875	2.69	ng	0.00
5) Phenol-d6	6.87	99	19211	1.69	ng	0.00
8) Nitrobenzene-d5	8.85	82	32555	3.56	ng	0.00
14) 2,4,6-Tribromophenol	15.84	330	23752	7.40	ng	0.00
15) 2-Fluorobiphenyl	12.95	172	127139	4.06	ng	0.00
29) Terphenyl-d14	19.72	244	161658	4.51	ng	0.00

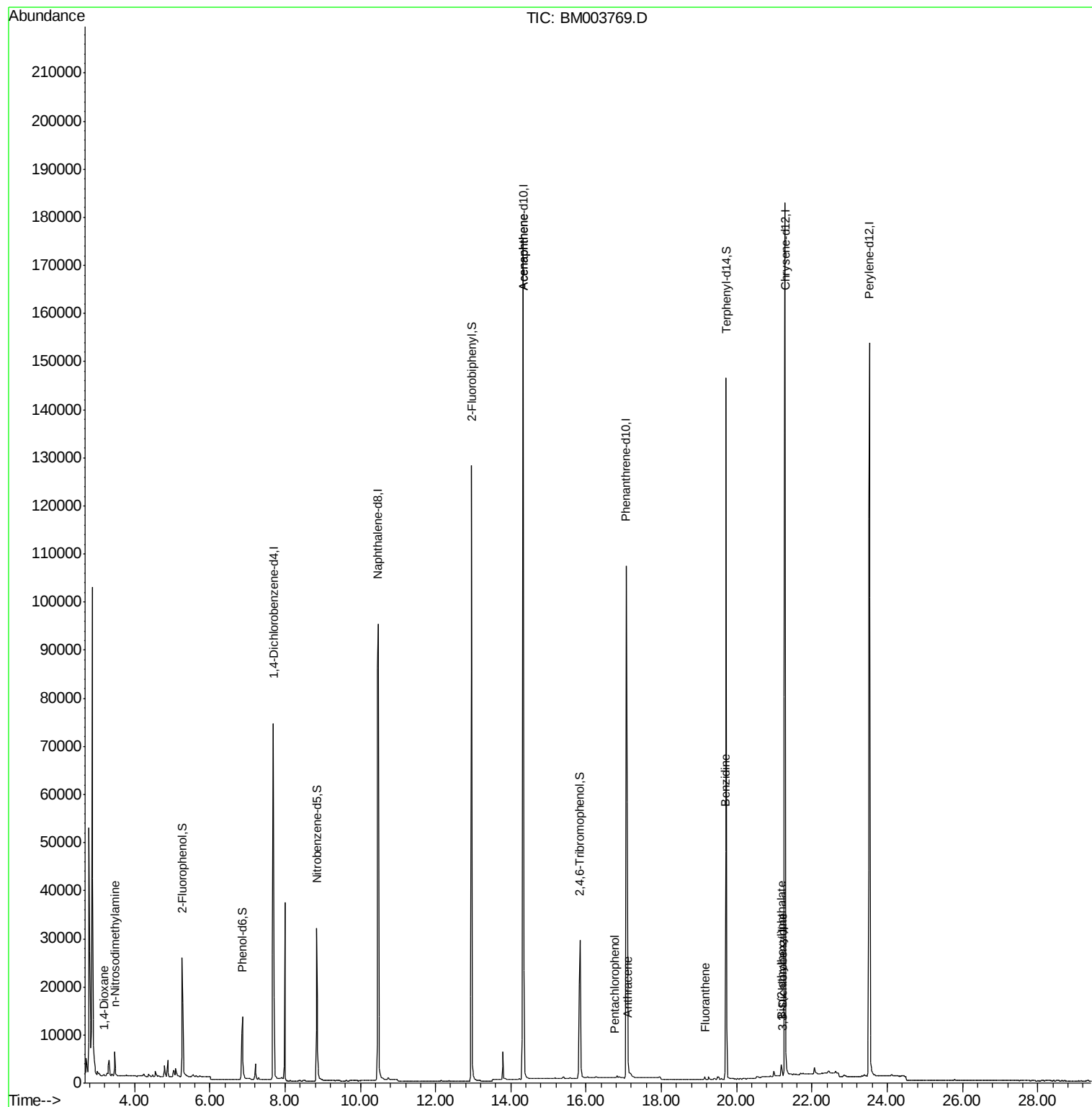
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.18	88	340	0.03	ng	# 44
3) n-Nitrosodimethylamine	3.48	42	353	0.08	ng	# 1
17) Acenaphthene	14.33	154	447	0.04	ng	# 7
18) Fluorene	15.39	166	293	Below	Cal	# 64
20) 4-Bromophenyl-phenylether	16.27	248	20	Below	Cal	# 85
21) Hexachlorobenzene	16.40	284	29	Below	Cal	# 72
22) Pentachlorophenol	16.76	266	135	0.41	ng	# 77
23) Phenanthrene	17.11	178	1823	Below	Cal	# 88
24) Anthracene	17.11	178	1673	0.09	ng	# 95
25) Fluoranthene	19.16	202	761	0.11	ng	# 93
27) Benzdine	19.71	184	3559	0.38	ng	# 92
28) Pvrene	19.52	202	673	Below	Cal	# 95
31) 3,3'-Dichlorobenzidine	21.23	252	78	0.25	ng	# 56
32) Chrysene	21.27	228	1634	Below	Cal	# 84
33) Bis(2-ethylhexyl)phthalate	21.19	149	3952	0.27	ng	# 81

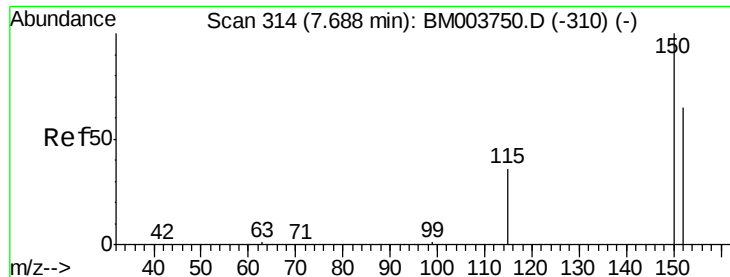
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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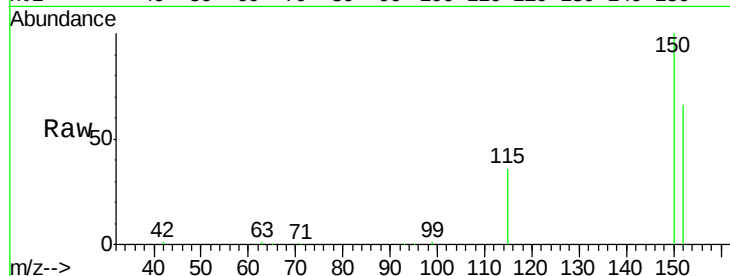


#1

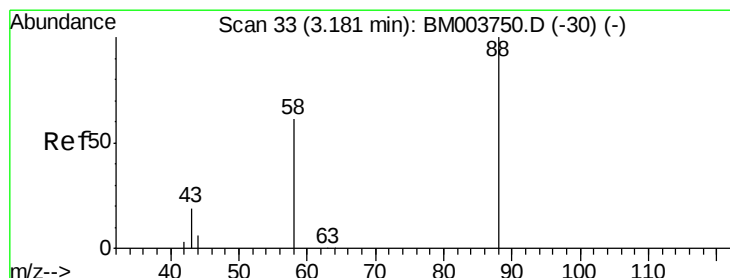
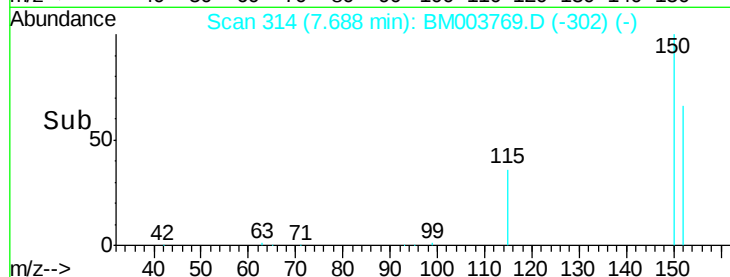
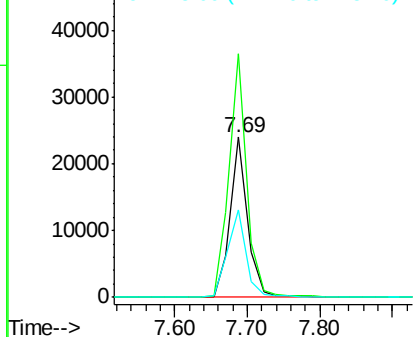
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.69 min Scan# 314
Delta R.T. -0.00 min
Lab File: BM003769.D
Acq: 24 Dec 2015 08:20

Instrument :
BNA_M
ClientSampleId :

Tot Ion:152 Resp: 39171
Ion Ratio Lower Upper
152 100
150 152.2 122.9 184.3
115 54.8 44.4 66.6



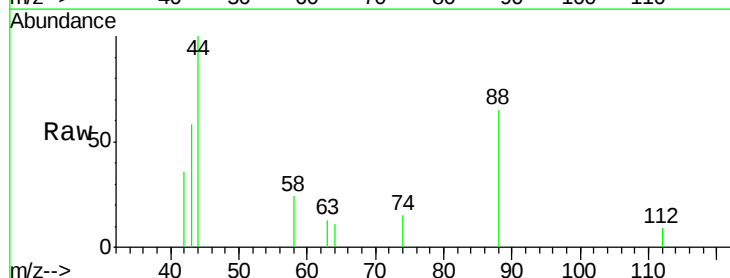
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



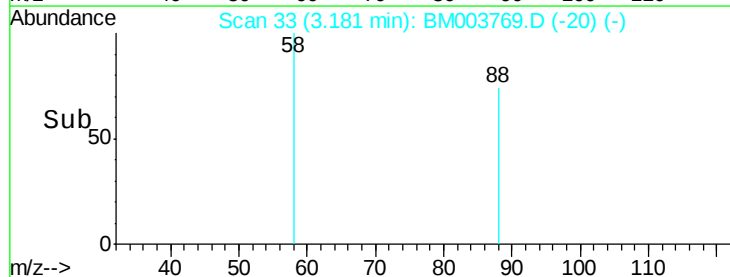
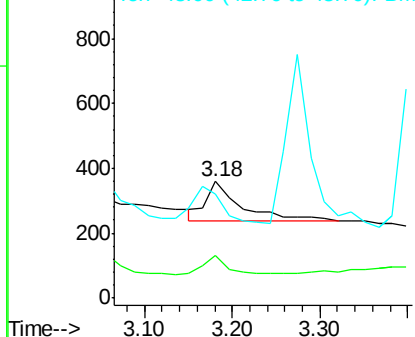
#2

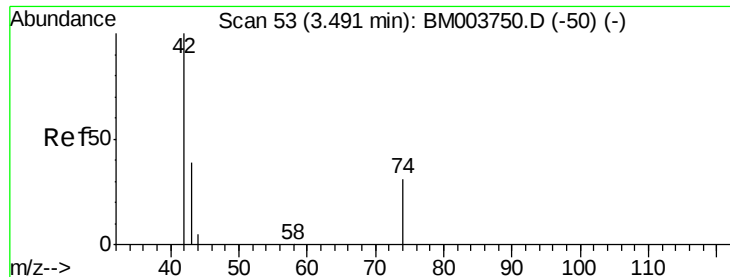
1,4-Dioxane
Concen: 0.03 ng
RT: 3.18 min Scan# 33
Delta R.T. 0.00 min
Lab File: BM003769.D
Acq: 24 Dec 2015 08:20

Tgt Ion: 88 Resp: 340
Ion Ratio Lower Upper
88 100
58 31.2 53.8 80.6#
43 73.8 23.8 35.6#



Abundance Ion 88.00 (87.70 to 88.70): BM0
Ion 58.00 (57.70 to 58.70): BM0
Ion 43.00 (42.70 to 43.70): BM0





#3

n-Nitrosodimethylamine

Concen: 0.08 ng

RT: 3.48 min Scan# 52

Delta R.T. -0.02 min

Lab File: BM003769.D

Acq: 24 Dec 2015 08:20

Instrument :

BNA_M

ClientSampleId :

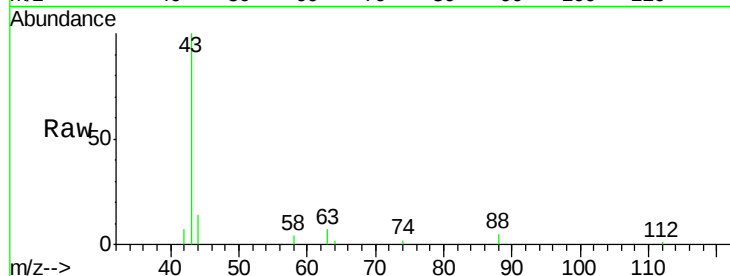
Tot Ion: 42 Resp: 353

Ion Ratio Lower Upper

42 100

74 0.0 95.0 142.4#

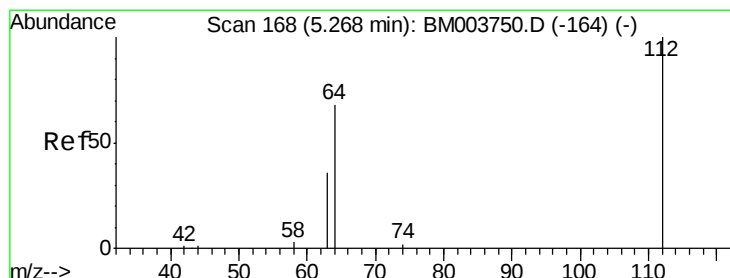
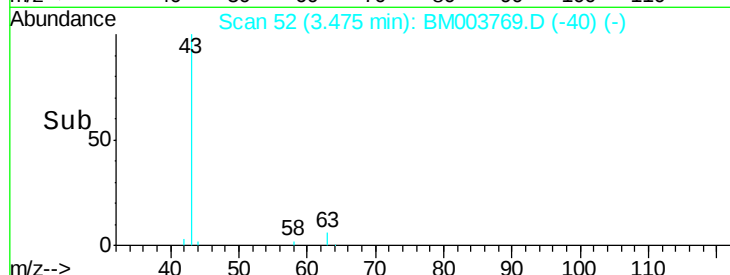
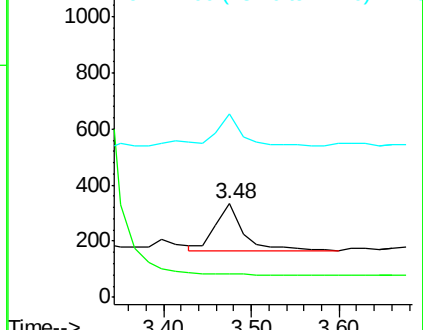
44 75.9 5.1 7.7#



Abundance Ion 42.00 (41.70 to 42.70): BM003750.D (-50) (-)

Ion 74.00 (73.70 to 74.70): BM003750.D (-50) (-)

Ion 44.00 (43.70 to 44.70): BM003750.D (-50) (-)



#4

2-Fluorophenol

Concen: 2.69 ng

RT: 5.27 min Scan# 168

Delta R.T. -0.00 min

Lab File: BM003769.D

Acq: 24 Dec 2015 08:20

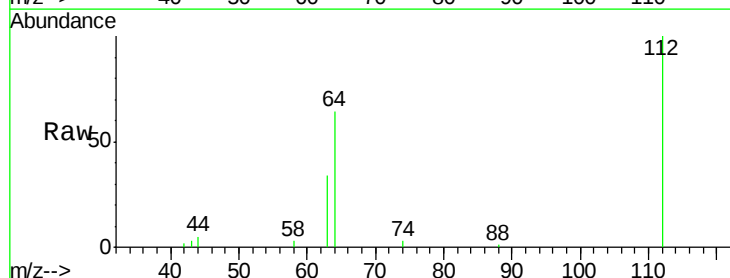
Tgt Ion: 112 Resp: 24875

Ion Ratio Lower Upper

112 100

64 52.3 41.8 62.8

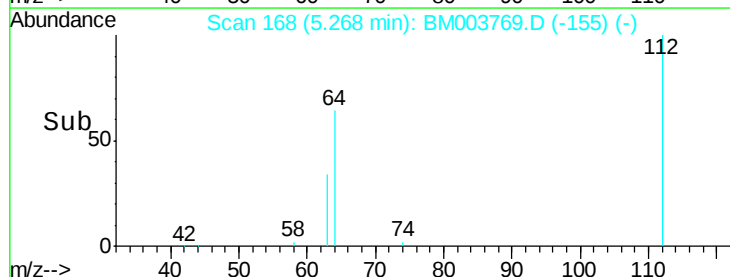
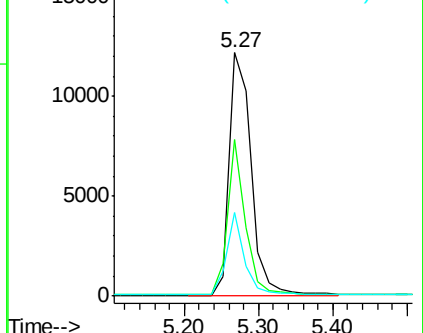
63 27.5 22.1 33.1

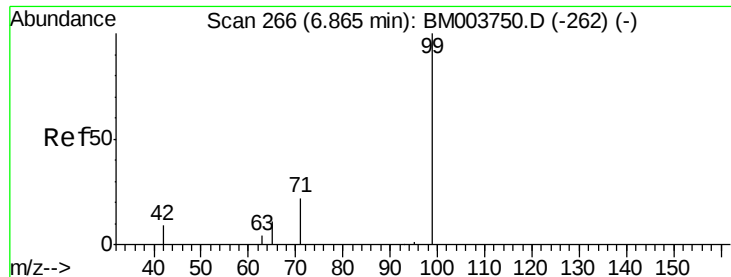


Abundance Ion 112.00 (111.70 to 112.70): BM003750.D (-164) (-)

Ion 64.00 (63.70 to 64.70): BM003750.D (-164) (-)

Ion 63.00 (62.70 to 63.70): BM003750.D (-164) (-)





#5

Phenol-d6

Concen: 1.69 ng

RT: 6.87 min Scan# 266

Delta R.T. -0.00 min

Lab File: BM003769.D

Acq: 24 Dec 2015 08:20

Instrument :

BNA_M

ClientSampleId :

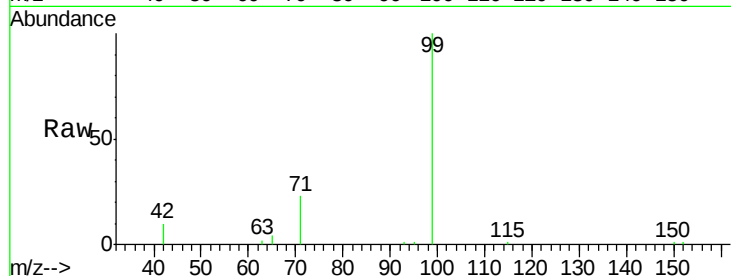
Tot Ion: 99 Resp: 19211

Ion Ratio Lower Upper

99 100

42 19.0 16.2 24.2

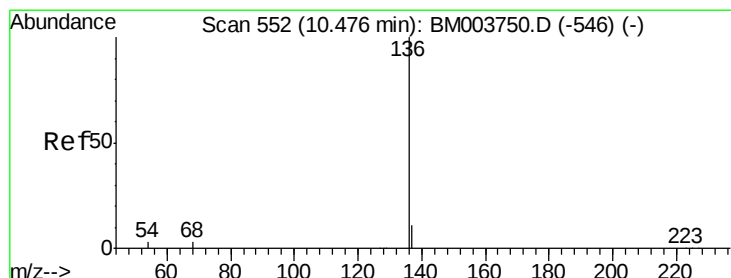
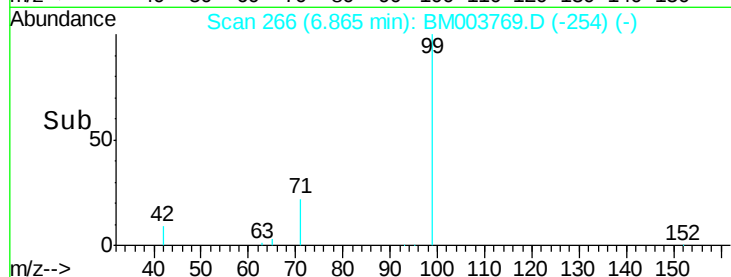
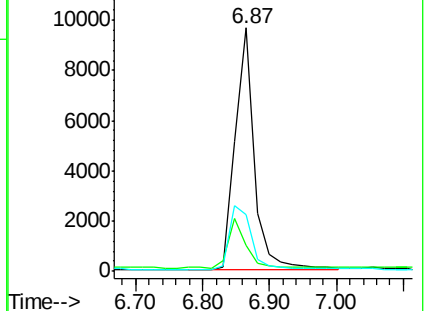
71 30.6 24.4 36.6



Abundance Ion 99.00 (98.70 to 99.70): BM003750.D (-262) (-)

Ion 42.00 (41.70 to 42.70): BM003750.D (-262) (-)

Ion 71.00 (70.70 to 71.70): BM003750.D (-262) (-)



#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.48 min Scan# 552

Delta R.T. -0.00 min

Lab File: BM003769.D

Acq: 24 Dec 2015 08:20

Tgt Ion: 136 Resp: 172362

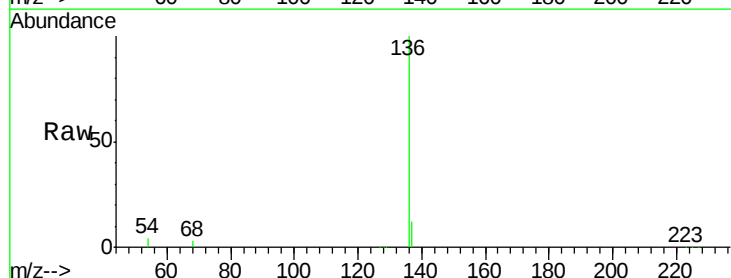
Ion Ratio Lower Upper

136 100

137 11.6 9.2 13.8

54 3.6 2.8 4.2

68 3.2 2.5 3.7

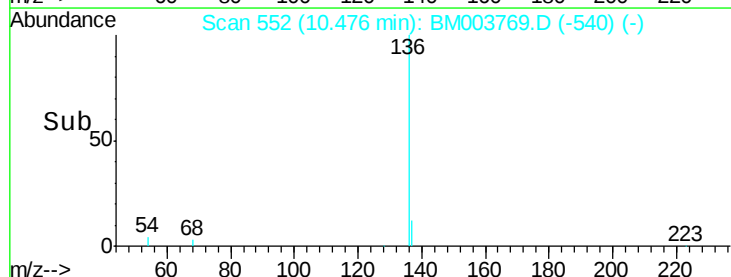
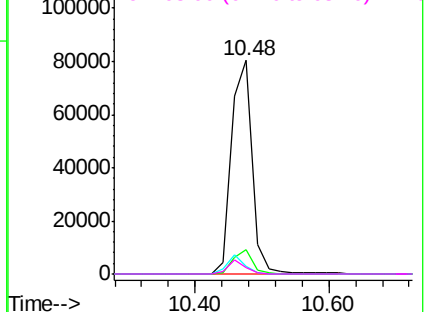


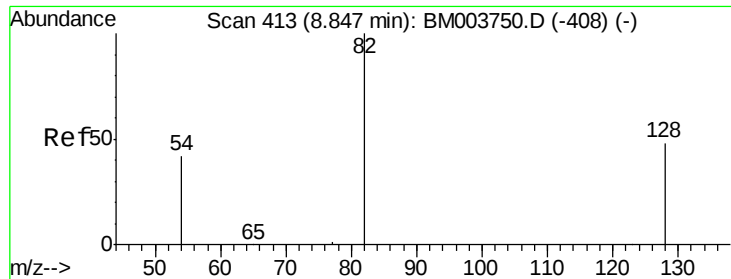
Abundance Ion 136.00 (135.70 to 136.70): BM003750.D (-546) (-)

Ion 137.00 (136.70 to 137.70): BM003750.D (-546) (-)

Ion 54.00 (53.70 to 54.70): BM003750.D (-546) (-)

Ion 68.00 (67.70 to 68.70): BM003750.D (-546) (-)





#8

Nitrobenzene-d5

Concen: 3.56 ng

RT: 8.85 min Scan# 413

Delta R.T. -0.00 min

Lab File: BM003769.D

Acq: 24 Dec 2015 08:20

Instrument :

BNA_M

ClientSampled :

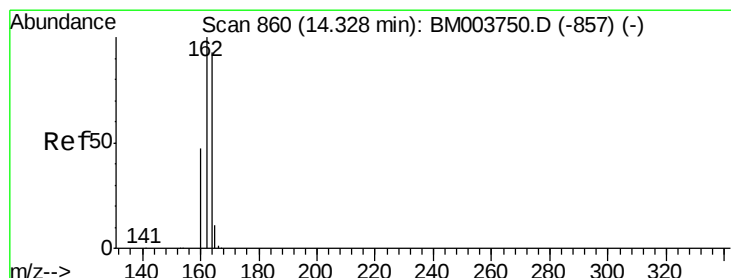
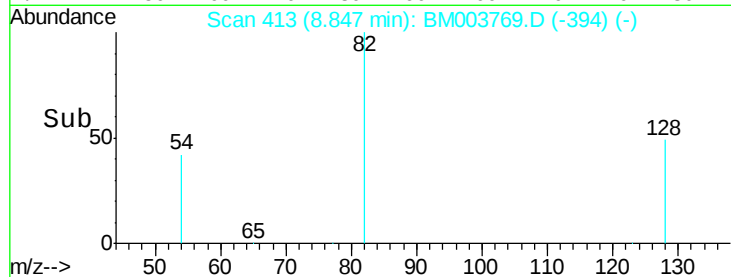
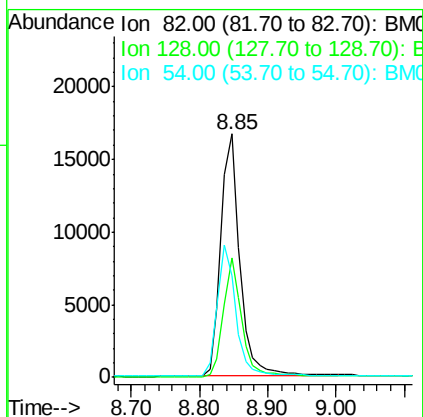
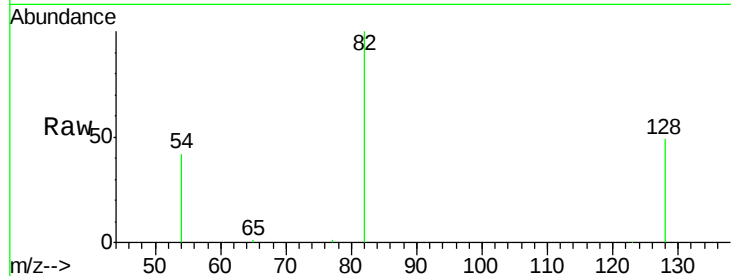
Tot Ion: 82 Resp: 32555

Ion Ratio Lower Upper

82 100

128 49.0 39.1 58.7

54 41.8 34.8 52.2



#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.33 min Scan# 860

Delta R.T. -0.00 min

Lab File: BM003769.D

Acq: 24 Dec 2015 08:20

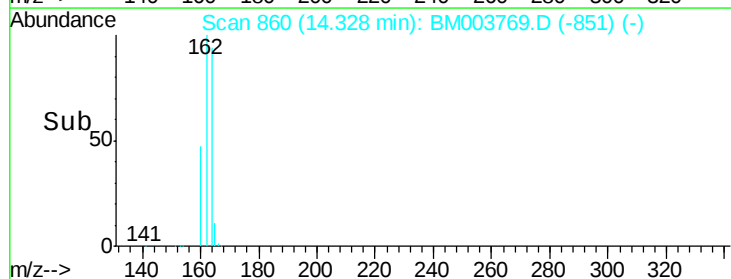
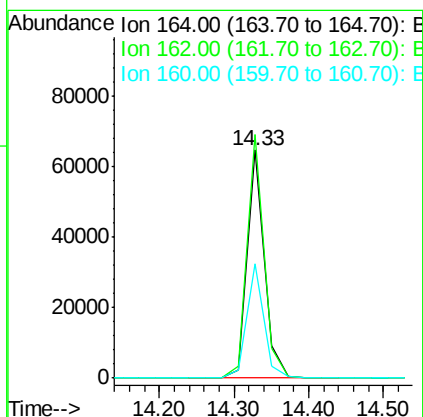
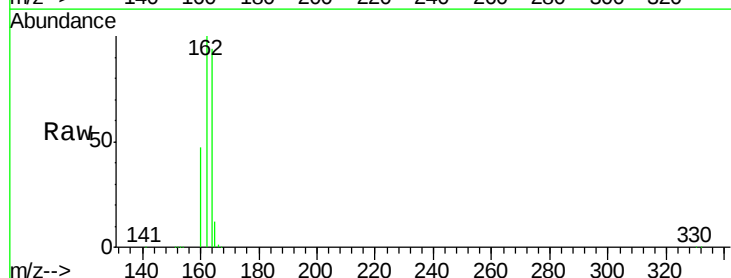
Tgt Ion: 164 Resp: 102240

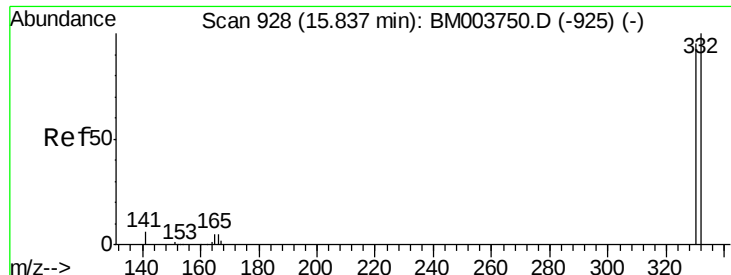
Ion Ratio Lower Upper

164 100

162 106.9 86.0 129.0

160 50.0 40.3 60.5

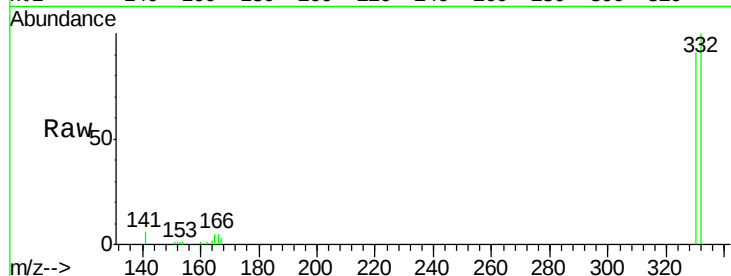




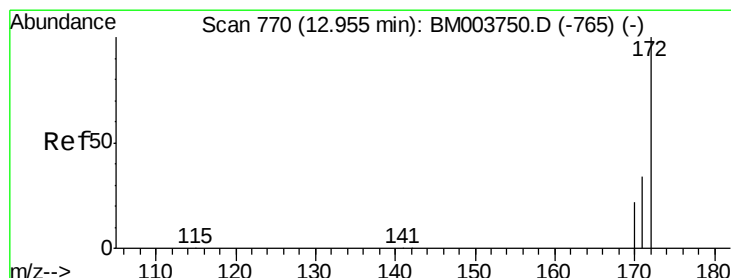
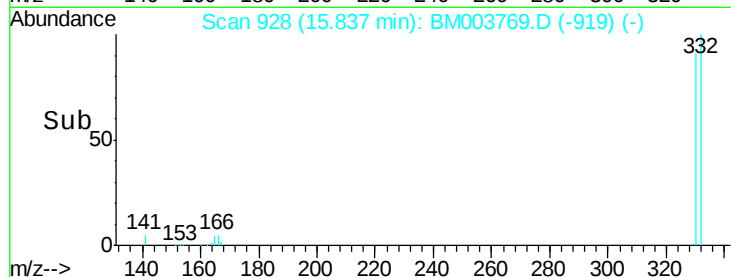
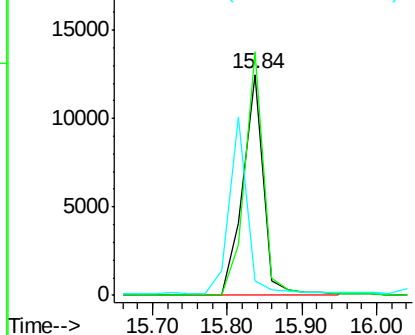
#14
 2,4,6-Tribromophenol
 Concen: 7.40 ng
 RT: 15.84 min Scan# 928
 Delta R.T. 0.00 min
 Lab File: BM003769.D
 Acq: 24 Dec 2015 08:20

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion:330 Resp: 23752
 Ion Ratio Lower Upper
 330 100
 332 101.0 79.0 118.4
 141 0.0 0.0 0.0

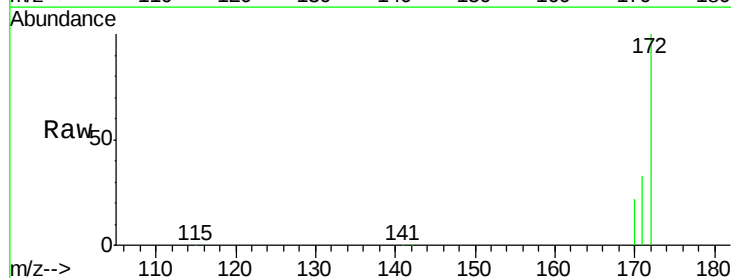


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

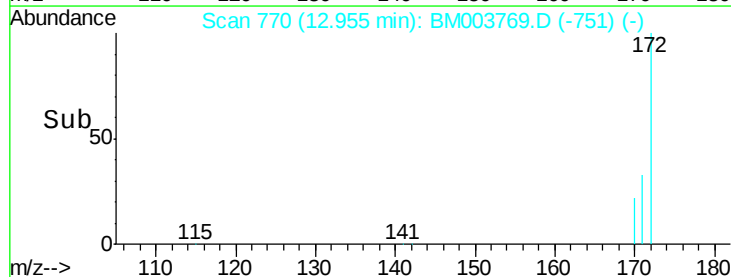
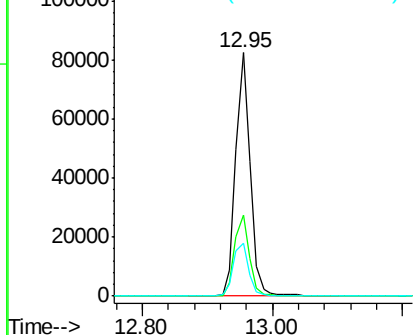


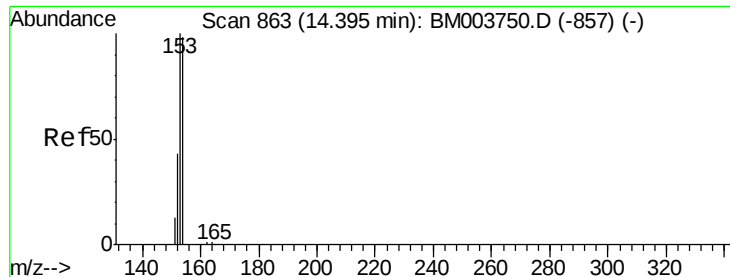
#15
 2-Fluorobiphenyl
 Concen: 4.06 ng
 RT: 12.95 min Scan# 770
 Delta R.T. -0.00 min
 Lab File: BM003769.D
 Acq: 24 Dec 2015 08:20

Tgt Ion:172 Resp: 127139
 Ion Ratio Lower Upper
 172 100
 171 33.5 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: 0.04 ng

RT: 14.33 min Scan# 860

Delta R.T. -0.07 min

Lab File: BM003769.D

Acq: 24 Dec 2015 08:20

Instrument :

BNA_M

ClientSampleId :

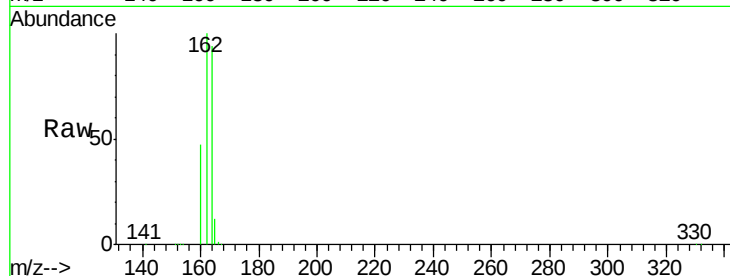
Tot Ion:154 Resp: 447

Ion Ratio Lower Upper

154 100

153 0.0 85.4 128.2#

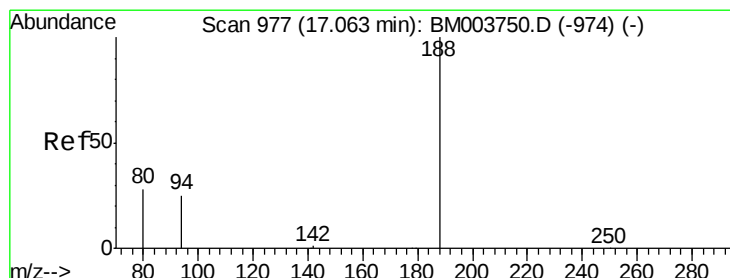
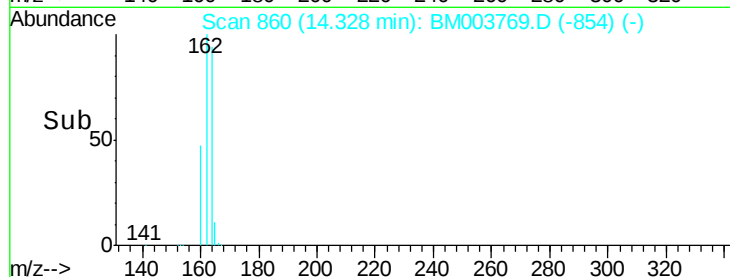
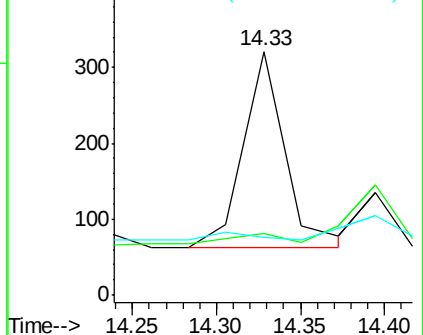
152 0.0 40.6 60.8#



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



#19

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.06 min Scan# 977

Delta R.T. -0.00 min

Lab File: BM003769.D

Acq: 24 Dec 2015 08:20

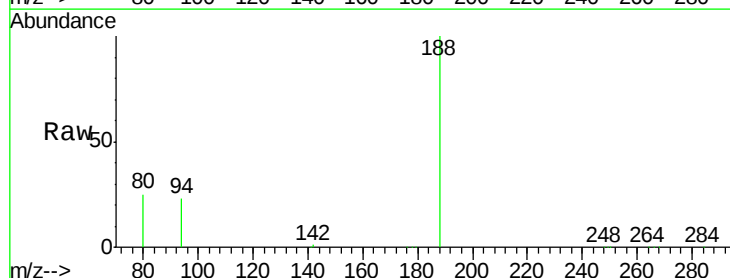
Tgt Ion:188 Resp: 199150

Ion Ratio Lower Upper

188 100

94 23.1 20.3 30.5

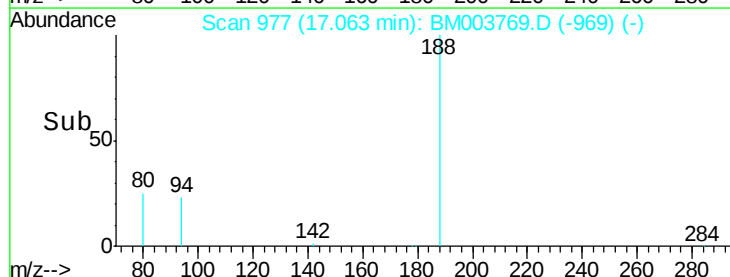
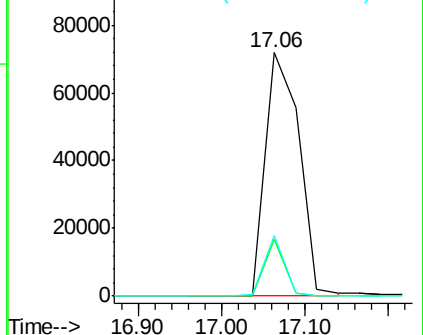
80 24.7 22.2 33.4

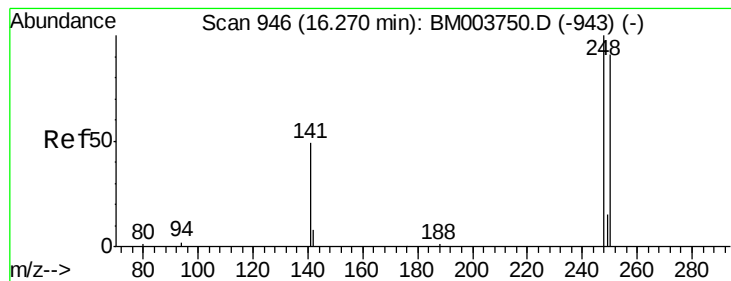


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM0

Ion 80.00 (79.70 to 80.70): BM0





#20

4-Bromophenyl-phenylether

Concen: Below Cal

RT: 16.27 min Scan# 946

Delta R.T. 0.00 min

Lab File: BM003769.D

Acq: 24 Dec 2015 08:20

Instrument :

BNA_M

ClientSampleId :

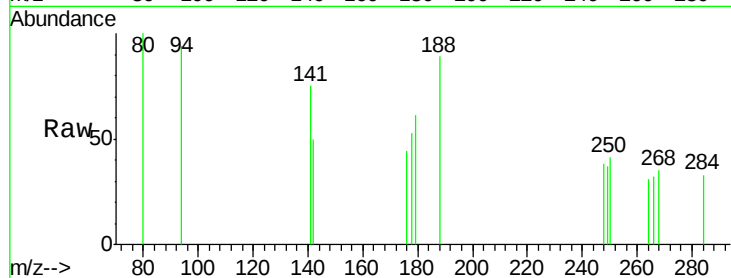
Tot Ion:248 Resp: 20

Ion Ratio Lower Upper

248 100

250 100.0 75.0 112.4

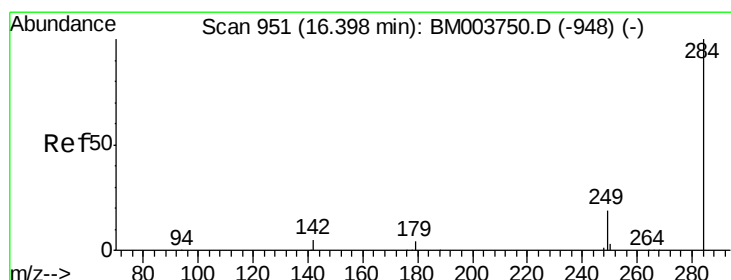
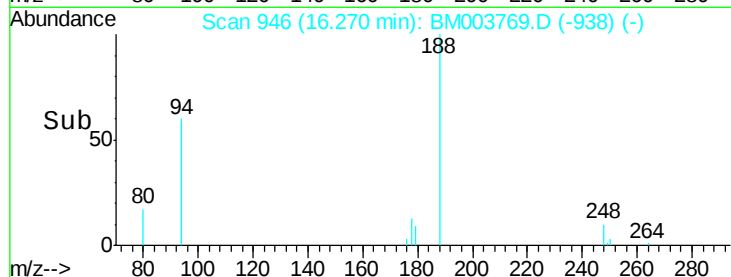
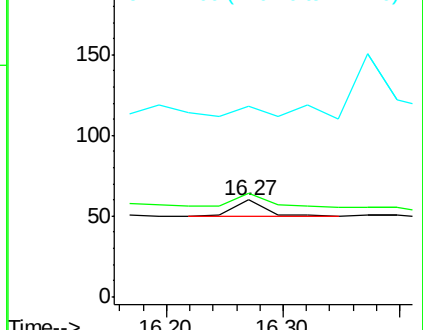
141 45.0 53.0 79.4#



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



#21

Hexachlorobenzene

Concen: Below Cal

RT: 16.40 min Scan# 951

Delta R.T. 0.00 min

Lab File: BM003769.D

Acq: 24 Dec 2015 08:20

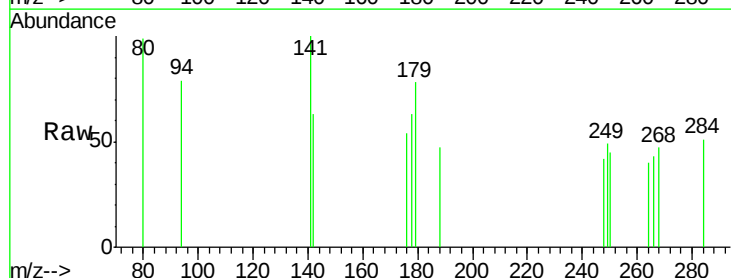
Tgt Ion:284 Resp: 29

Ion Ratio Lower Upper

284 100

142 0.0 0.0 0.0

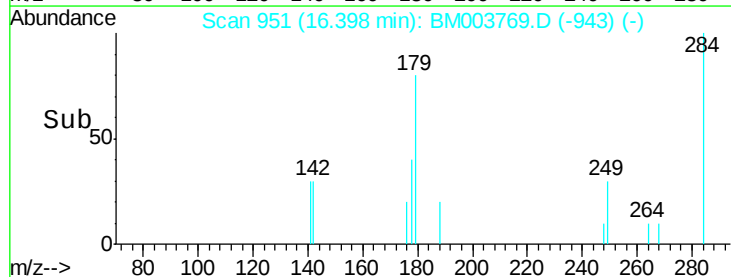
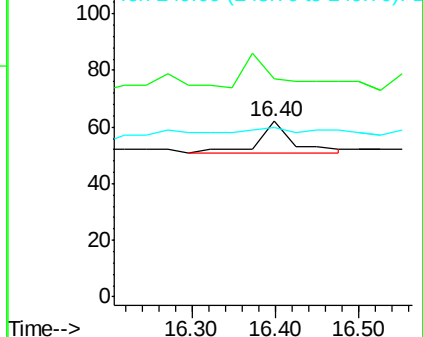
249 41.4 21.5 32.3#

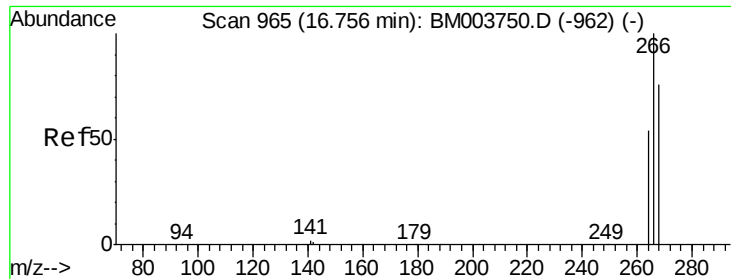


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E

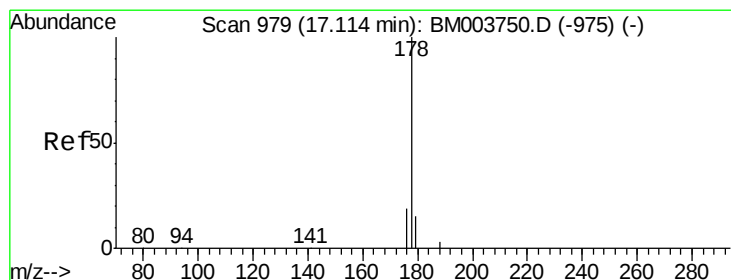
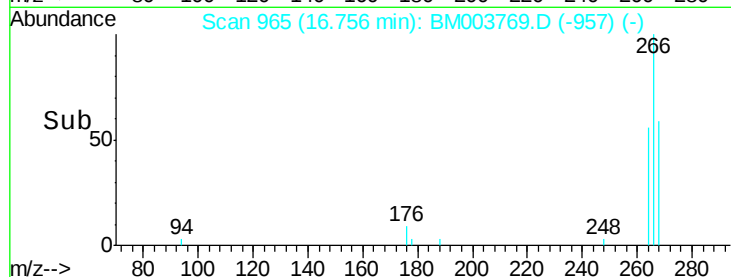
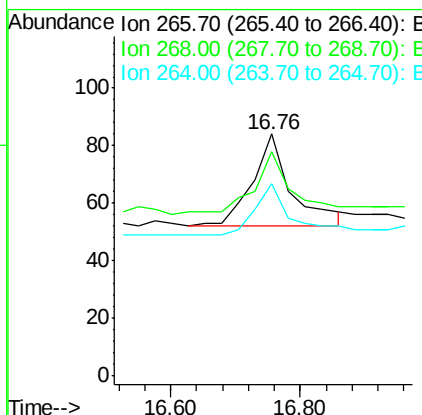
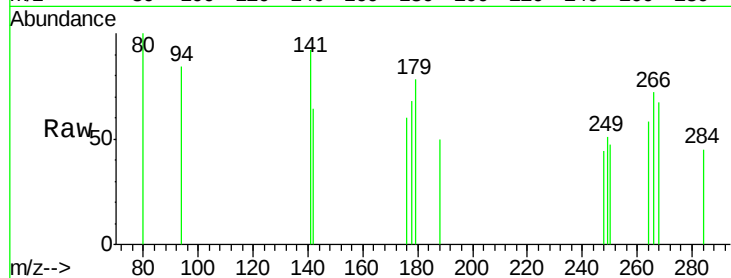




#22
 Pentachlorophenol
 Concen: 0.41 ng
 RT: 16.76 min Scan# 965
 Delta R.T. 0.00 min
 Lab File: BM003769.D
 Acq: 24 Dec 2015 08:20

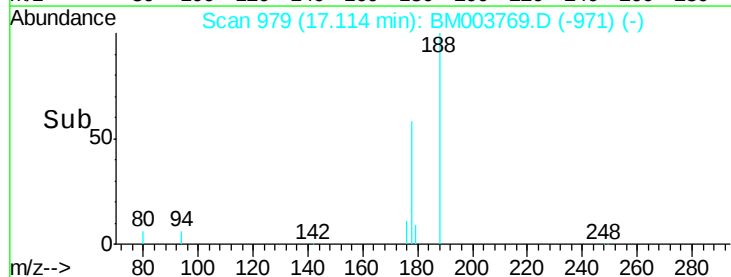
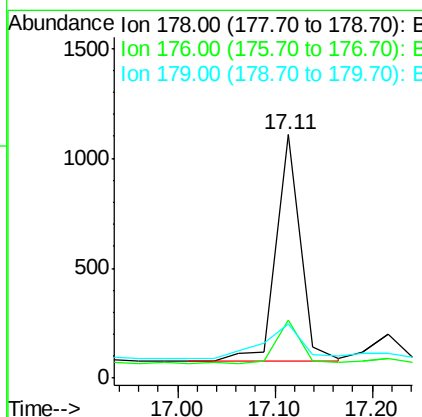
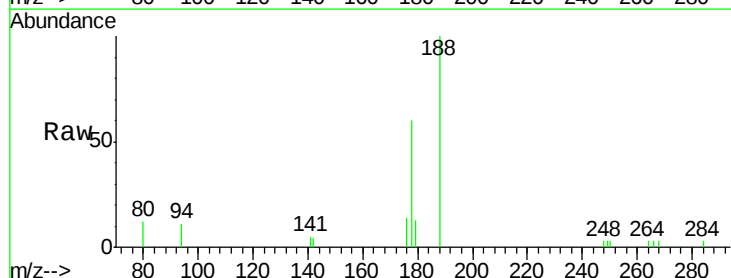
Instrument :
 BNA_M
 ClientSampleId :

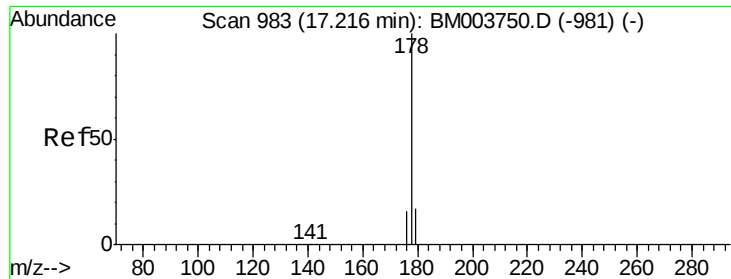
Tot Ion:266 Resp: 135
 Ion Ratio Lower Upper
 266 100
 268 92.9 62.7 94.1
 264 79.8 45.7 68.5#



#23
 Phenanthrene
 Concen: Below Cal
 RT: 17.11 min Scan# 979
 Delta R.T. 0.00 min
 Lab File: BM003769.D
 Acq: 24 Dec 2015 08:20

Tgt Ion:178 Resp: 1823
 Ion Ratio Lower Upper
 178 100
 176 18.2 15.4 23.0
 179 25.5 12.2 18.4#

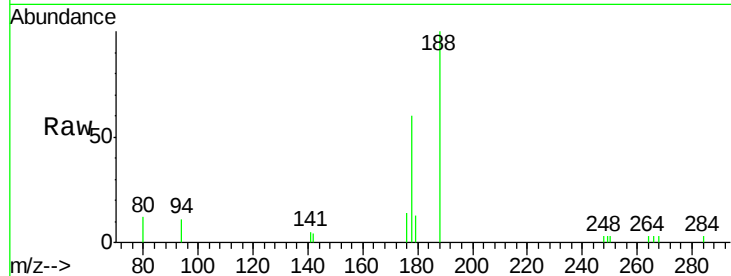




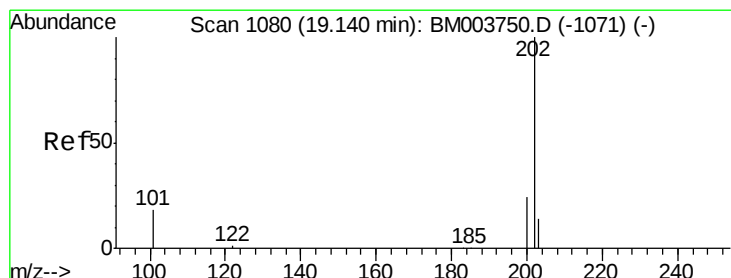
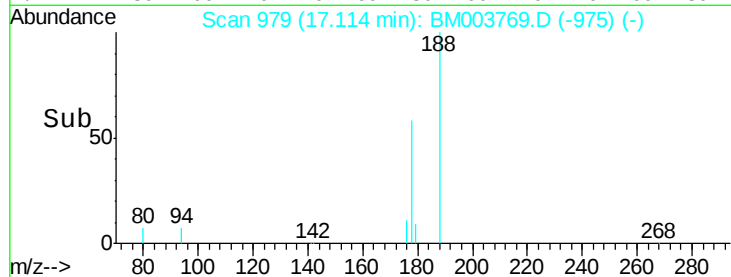
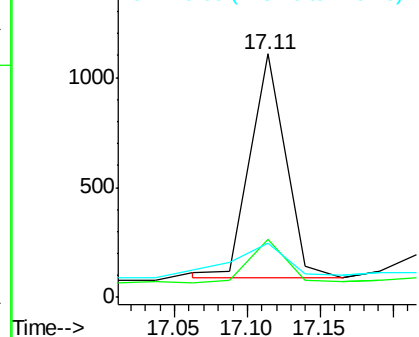
#24
 Anthracene
 Concen: 0.09 ng
 RT: 17.11 min Scan# 979
 Delta R.T. -0.10 min
 Lab File: BM003769.D
 Acq: 24 Dec 2015 08:20

Instrument :
 BNA_M
 ClientSampled :

Tot Ion:178 Resp: 1673
 Ion Ratio Lower Upper
 178 100
 176 19.7 14.6 21.8
 179 18.6 12.6 19.0

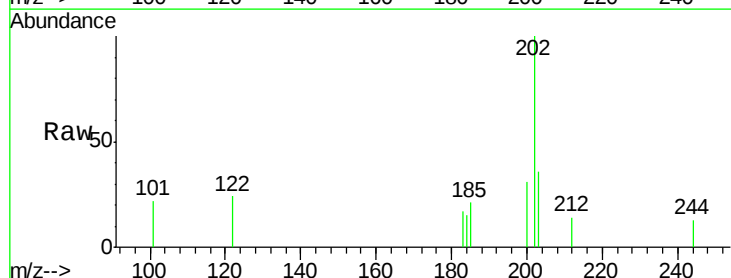


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

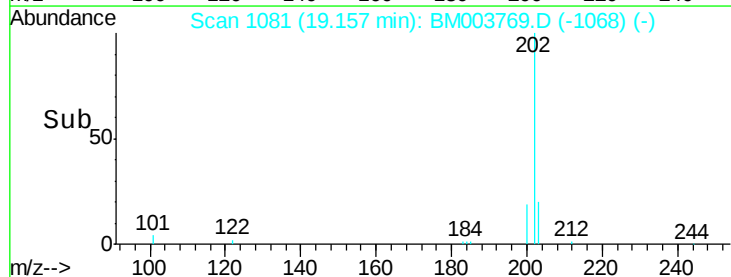
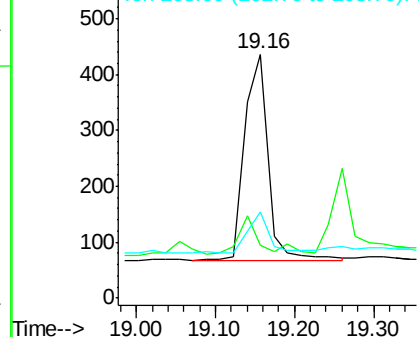


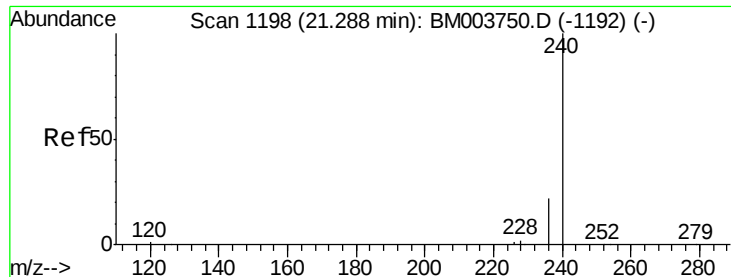
#25
 Fluoranthene
 Concen: 0.11 ng
 RT: 19.16 min Scan# 1081
 Delta R.T. 0.02 min
 Lab File: BM003769.D
 Acq: 24 Dec 2015 08:20

Tgt Ion:202 Resp: 761
 Ion Ratio Lower Upper
 202 100
 101 17.0 9.7 14.5#
 203 18.4 13.8 20.8



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

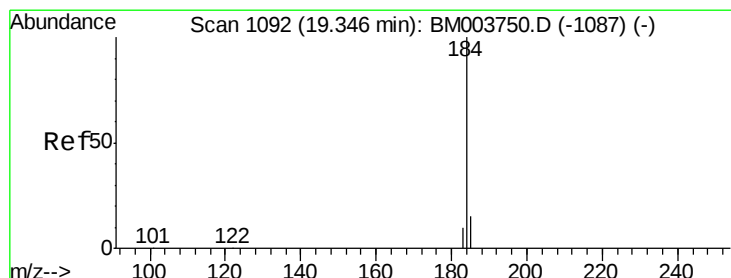
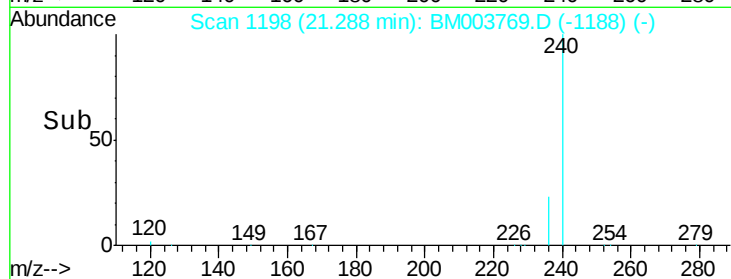
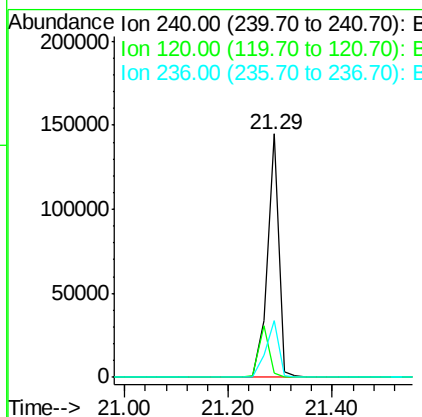
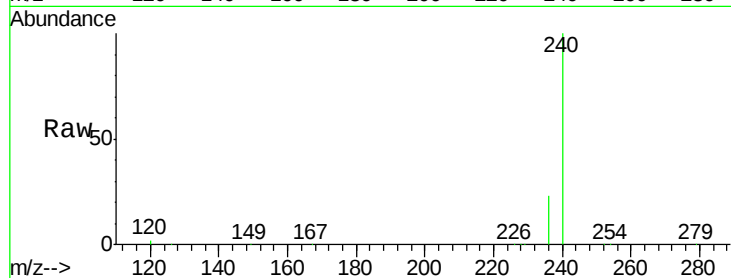




#26
Chrysene-d12
Concen: 5.00 ng
RT: 21.29 min Scan# 1198
Delta R.T. -0.00 min
Lab File: BM003769.D
Acq: 24 Dec 2015 08:20

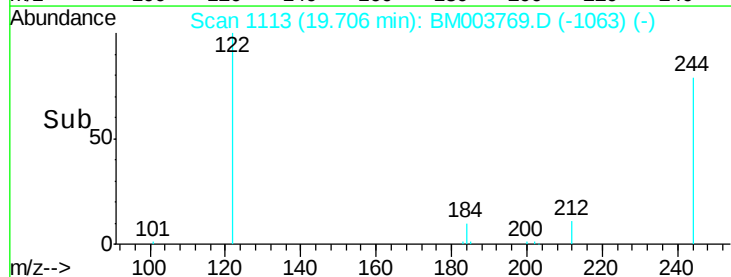
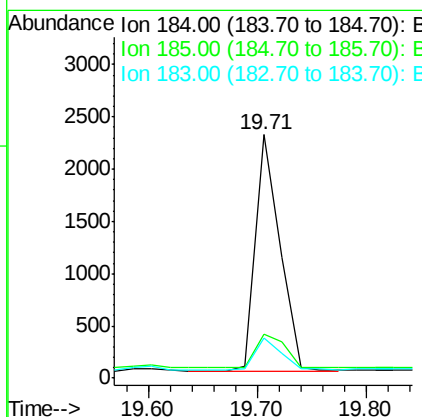
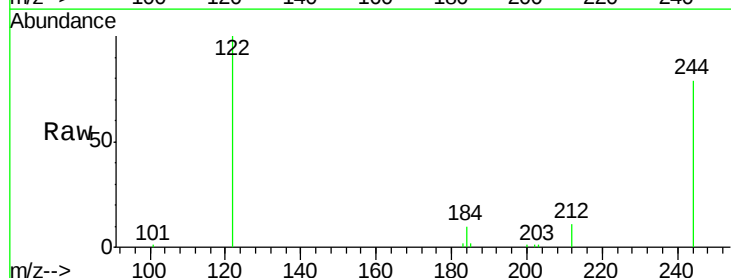
Instrument :
BNA_M
ClientSampleId :

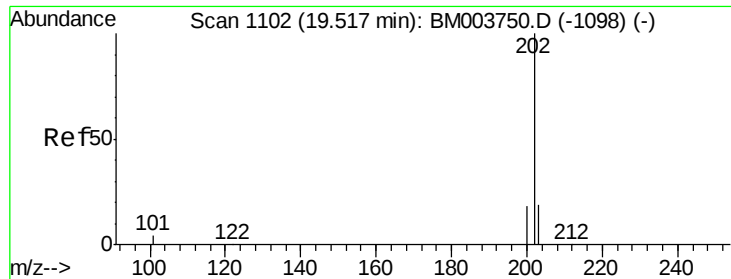
Tot Ion:240 Resp: 226198
Ion Ratio Lower Upper
240 100
120 1.7 0.9 1.3#
236 23.4 17.3 25.9



#27
Benzidine
Concen: 0.38 ng
RT: 19.71 min Scan# 1113
Delta R.T. 0.36 min
Lab File: BM003769.D
Acq: 24 Dec 2015 08:20

Tgt Ion:184 Resp: 3559
Ion Ratio Lower Upper
184 100
185 18.0 13.2 19.8
183 16.7 9.0 13.6#

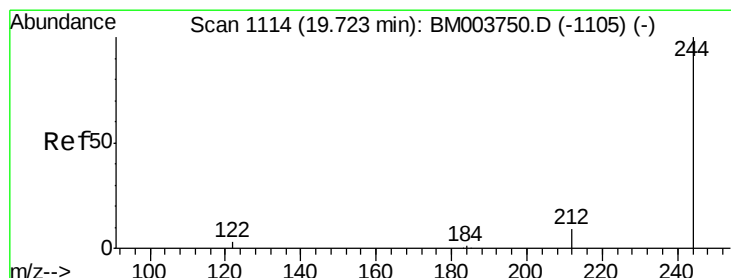
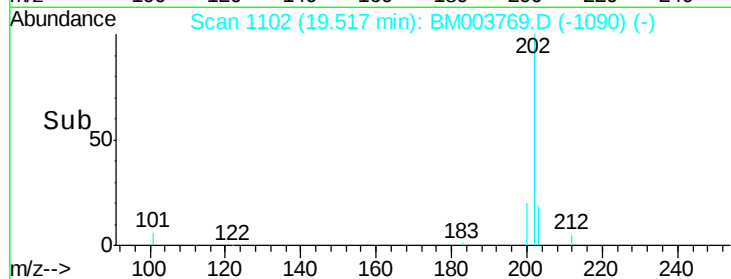
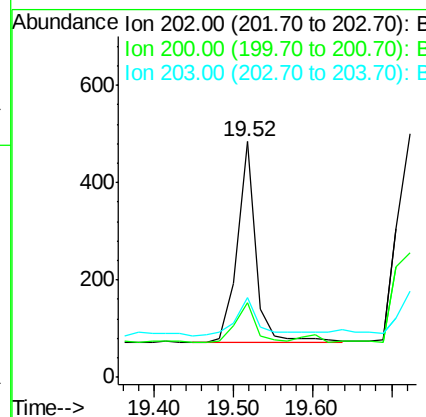
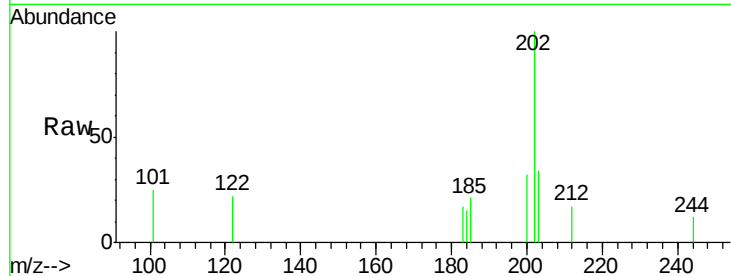




#28
Pvrene
Concen: Below Cal
RT: 19.52 min Scan# 1102
Delta R.T. 0.00 min
Lab File: BM003769.D
Acq: 24 Dec 2015 08:20

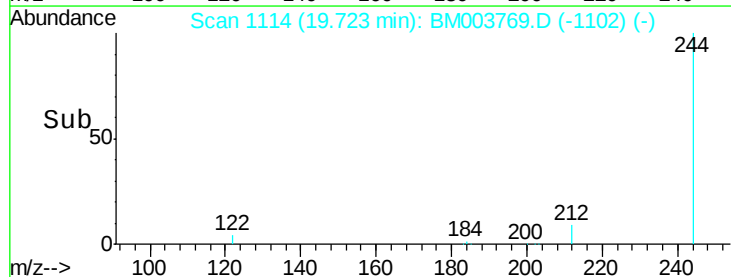
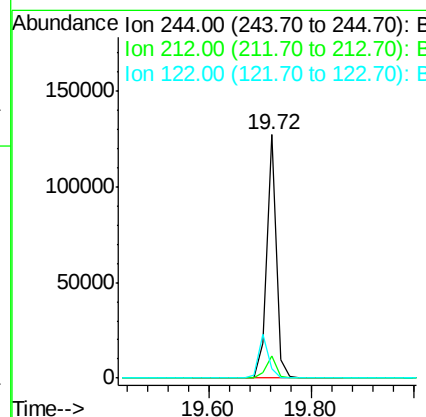
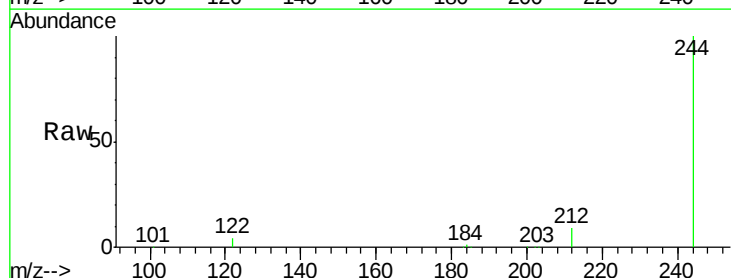
Instrument :
BNA_M
ClientSampleId :

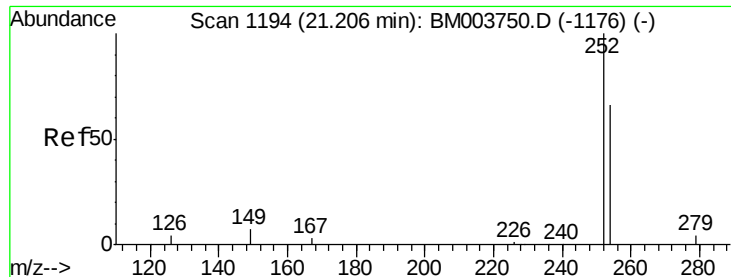
Tot Ion:202 Resp: 673
Ion Ratio Lower Upper
202 100
200 20.4 16.6 24.8
203 21.8 14.0 21.0#



#29
Terphenyl-d14
Concen: 4.51 ng
RT: 19.72 min Scan# 1114
Delta R.T. 0.00 min
Lab File: BM003769.D
Acq: 24 Dec 2015 08:20

Tgt Ion:244 Resp: 161658
Ion Ratio Lower Upper
244 100
212 9.3 7.0 10.6
122 3.6 3.0 4.6

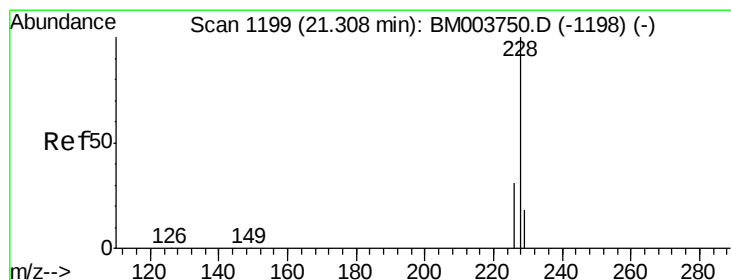
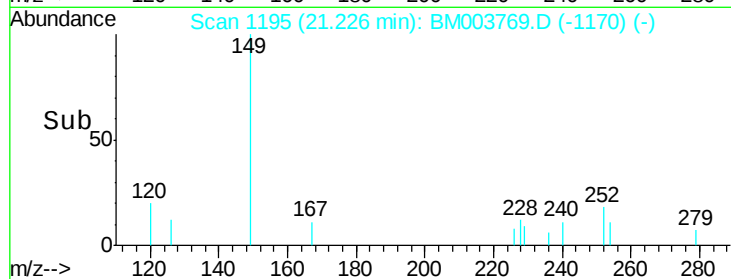
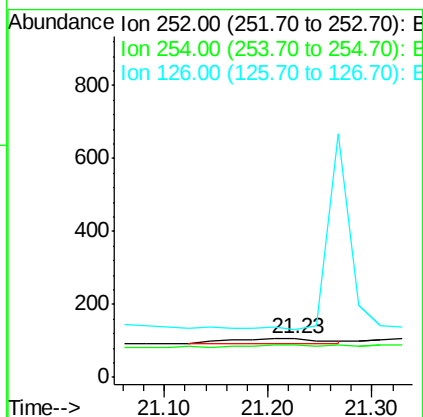
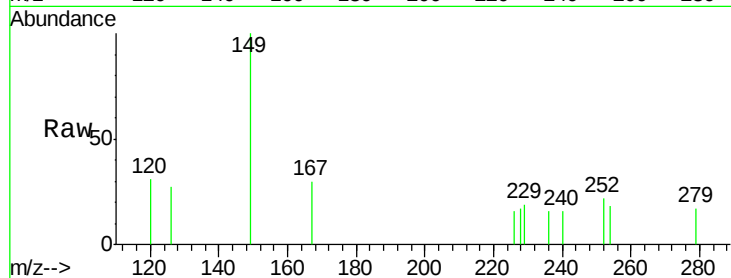




#31
 3,3'-Dichlorobenzidine
 Concen: 0.25 ng
 RT: 21.23 min Scan# 1195
 Delta R.T. 0.02 min
 Lab File: BM003769.D
 Acq: 24 Dec 2015 08:20

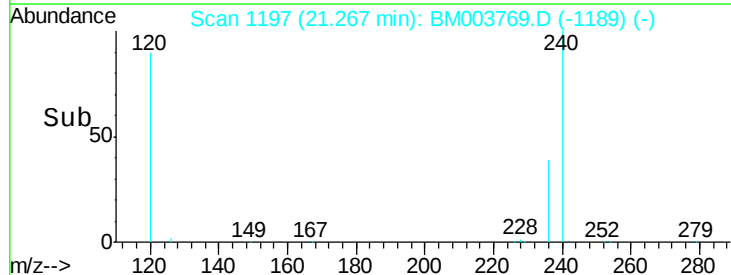
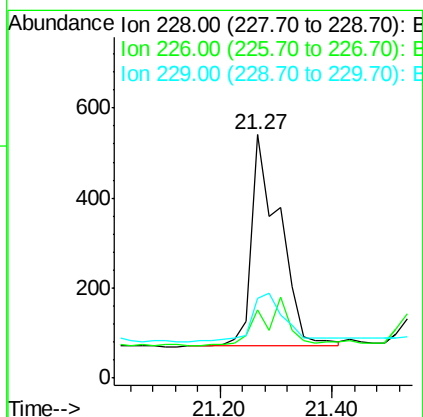
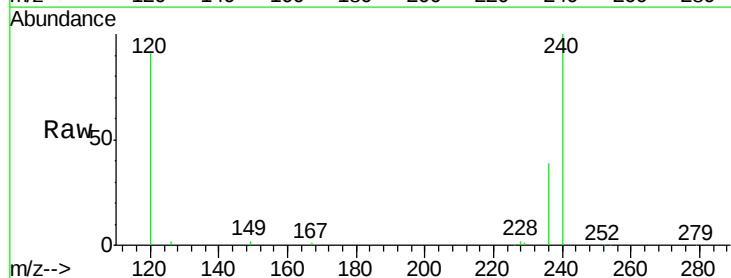
Instrument :
 BNA_M
 ClientSampleId :

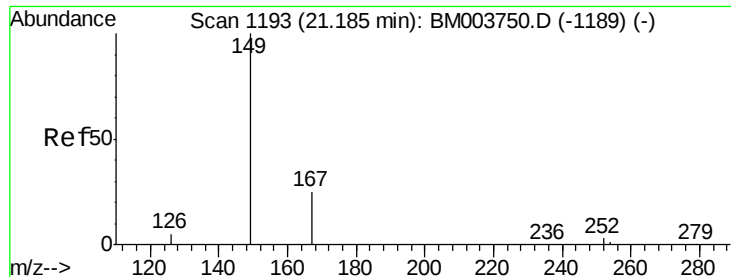
Tot Ion:252 Resp: 78
 Ion Ratio Lower Upper
 252 100
 254 83.0 52.6 79.0#
 126 122.6 3.7 5.5#



#32
 Chrysene
 Concen: Below Cal
 RT: 21.27 min Scan# 1197
 Delta R.T. -0.04 min
 Lab File: BM003769.D
 Acq: 24 Dec 2015 08:20

Tgt Ion:228 Resp: 1634
 Ion Ratio Lower Upper
 228 100
 226 28.3 25.3 37.9
 229 32.9 14.5 21.7#





#33

Bis(2-ethylhexyl)phthalate

Concen: 0.27 ng

RT: 21.19 min Scan# 1193

Delta R.T. 0.00 min

Lab File: BM003769.D

Acq: 24 Dec 2015 08:20

Instrument :

BNA_M

ClientSampleId :

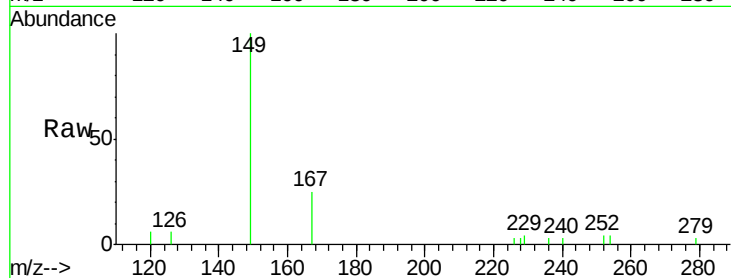
Tot Ion:149 Resp: 3952

Ion Ratio Lower Upper

149 100

167 15.8 20.1 30.1#

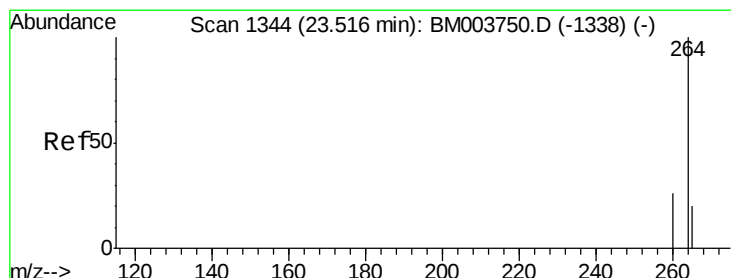
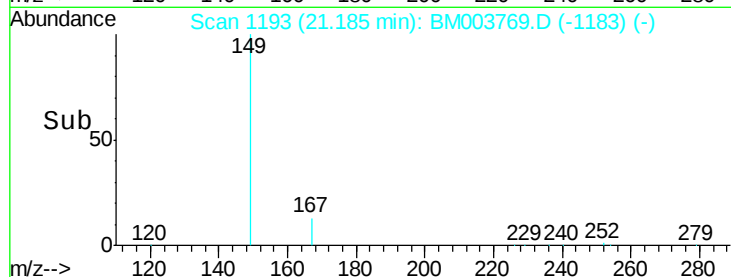
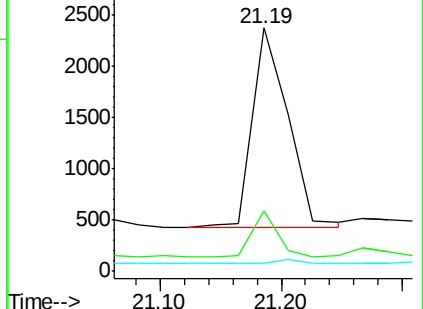
279 0.0 0.0 0.0



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: BM003769.D

Acq: 24 Dec 2015 08:20

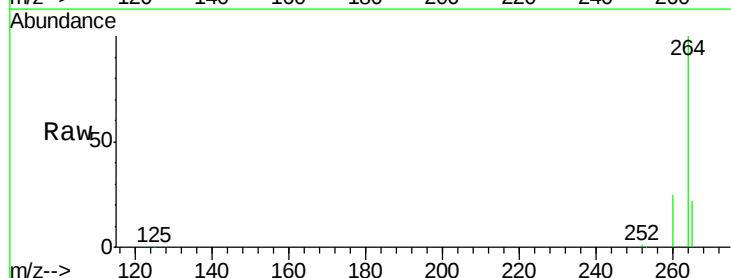
Tgt Ion:264 Resp: 200170

Ion Ratio Lower Upper

264 100

260 25.3 21.2 31.8

265 21.8 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

