

Data Path : Z:\HPCHEM1\BNA M\DATA\BM122415\
 Data File : BM003760.D
 Acq On : 24 Dec 2015 02:50
 Operator : UM/SJ
 Sample : G4783-01RE
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Dec 24 06:13:15 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 02:52:28 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.69	152	42498	5.00	ng	0.00
7) Naphthalene-d8	10.48	136	172233	5.00	ng	0.00
13) Acenaphthene-d10	14.33	164	99733	5.00	ng	0.00
19) Phenanthrene-d10	17.06	188	183343	5.00	ng	0.00
26) Chrysene-d12	21.29	240	186416	5.00	ng	0.00
35) Perylene-d12	23.52	264	158389	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.28	112	34427	3.55	ng	0.02
5) Phenol-d6	6.87	99	24763	2.08	ng	0.00
8) Nitrobenzene-d5	8.85	82	40396	4.56	ng	0.00
14) 2,4,6-Tribromophenol	15.84	330	17723	6.32	ng	0.00
15) 2-Fluorobiphenyl	12.95	172	134641	4.63	ng	0.00
29) Terphenyl-d14	19.72	244	141804	4.81	ng	0.00

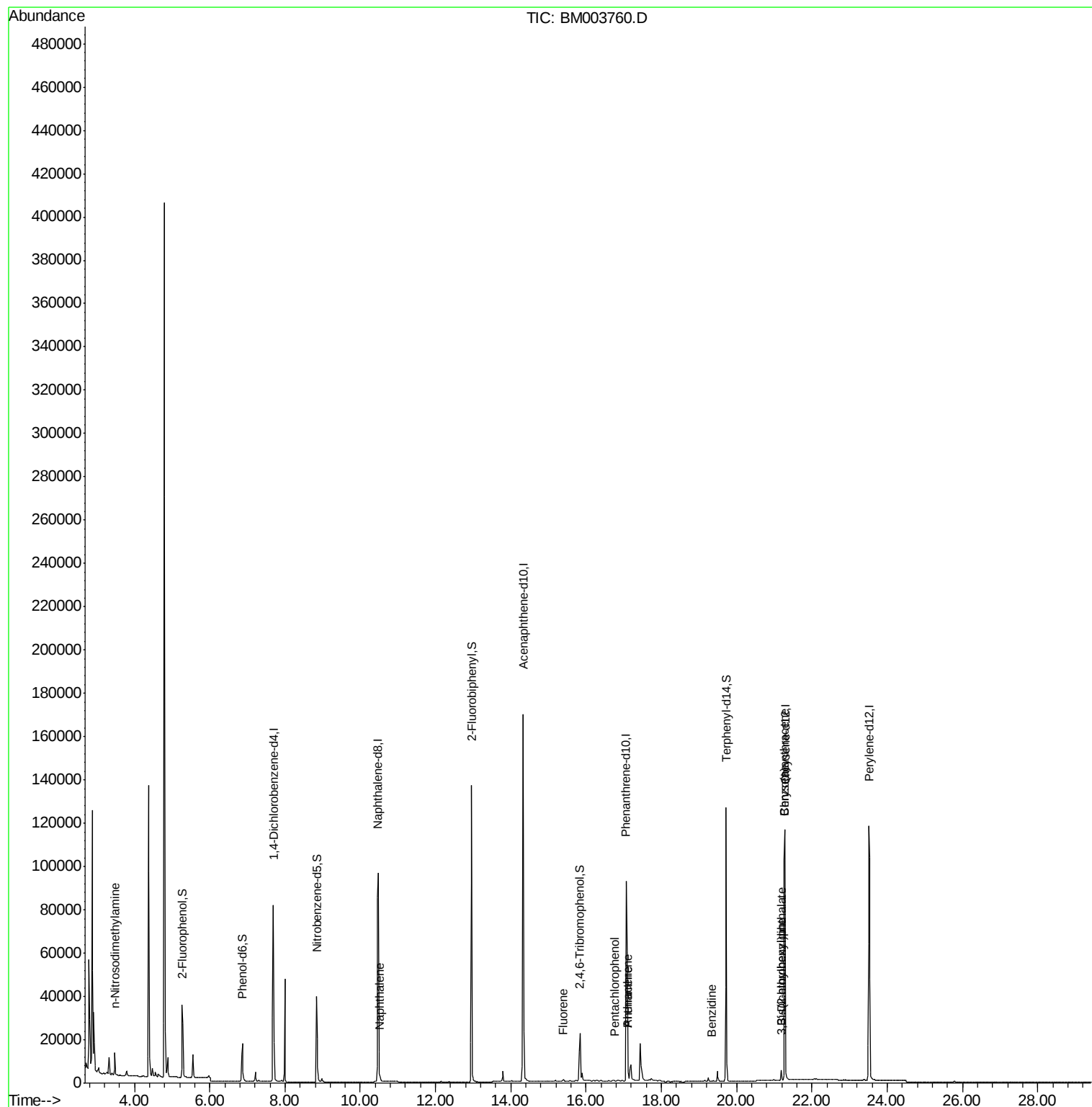
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.18	88	145	Below Cal	#	25
3) n-Nitrosodimethylamine	3.48	42	634	0.15 ng	#	1
10) Naphthalene	10.51	128	2548	0.07 ng	#	90
18) Fluorene	15.39	166	682	0.02 ng	#	91
20) 4-Bromophenyl-phenylether	16.27	248	51	Below Cal	#	63
21) Hexachlorobenzene	16.40	284	66	Below Cal	#	67
22) Pentachlorophenol	16.76	266	241	0.49 ng	#	85
23) Phenanthrene	17.11	178	3173	0.05 ng	#	77
24) Anthracene	17.11	178	2958	0.07 ng	#	72
27) Benzidine	19.35	184	168	0.52 ng	#	1
30) Benzo(a)anthracene	21.27	228	1740	0.03 ng	#	89
31) 3,3'-Dichlorobenzidine	21.21	252	52	0.30 ng	#	55
32) Chrysene	21.27	228	1751	0.03 ng	#	80
33) Bis(2-ethylhexyl)phthalate	21.19	149	5094	0.35 ng	#	99

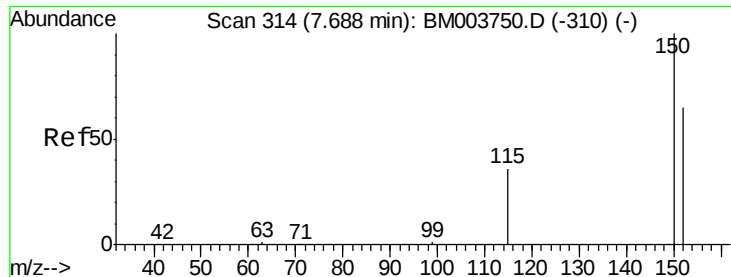
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA M\DATA\BM122415\
Data File : BM003760.D
Acq On : 24 Dec 2015 02:50
Operator : UM/SJ
Sample : G4783-01RE
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :

Quant Time: Dec 24 06:13:15 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 02:52:28 2015
Response via : Initial Calibration



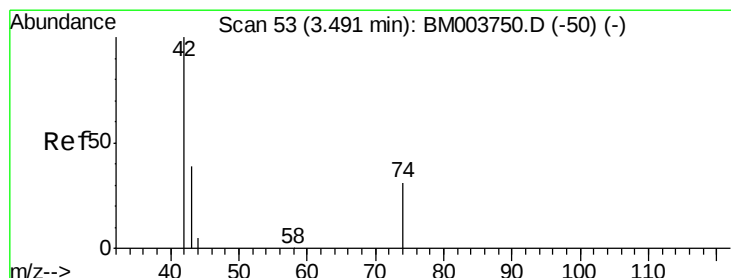
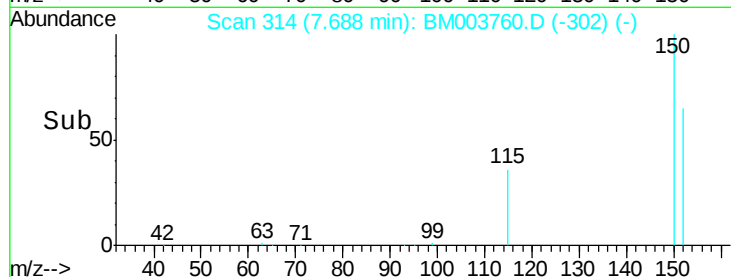
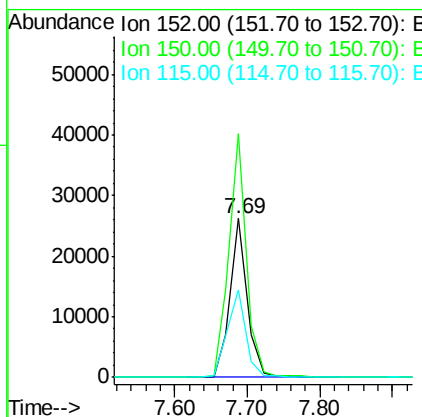
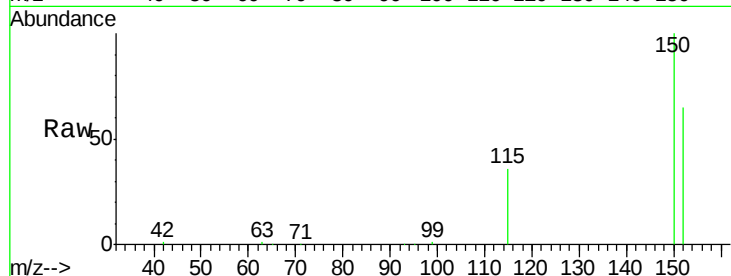


#1

1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.69 min Scan# 314
Delta R.T. 0.00 min
Lab File: BM003760.D
Acq: 24 Dec 2015 02:50

Instrument :
BNA_M
ClientSampled :

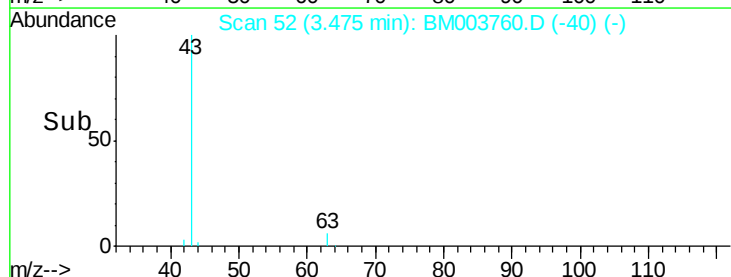
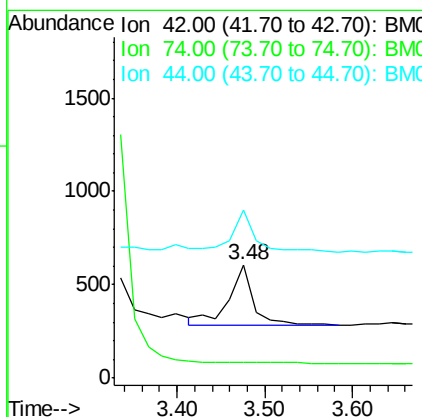
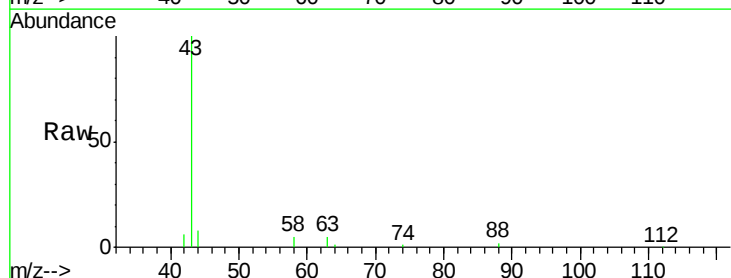
Tot Ion:152 Resp: 42498
Ion Ratio Lower Upper
152 100
150 153.6 122.9 184.3
115 55.4 44.4 66.6

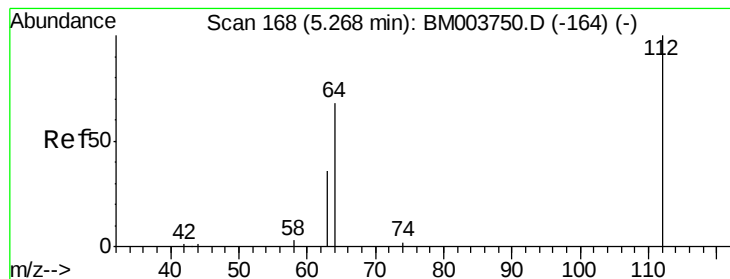


#3

n-Nitrosodimethylamine
Concen: 0.15 ng
RT: 3.48 min Scan# 52
Delta R.T. -0.02 min
Lab File: BM003760.D
Acq: 24 Dec 2015 02:50

Tgt Ion: 42 Resp: 634
Ion Ratio Lower Upper
42 100
74 0.0 95.0 142.4#
44 63.9 5.1 7.7#





#4

2-Fluorophenol

Concen: 3.55 ng

RT: 5.28 min Scan# 169

Delta R.T. 0.02 min

Lab File: BM003760.D

Acq: 24 Dec 2015 02:50

Instrument :

BNA_M

ClientSampleId :

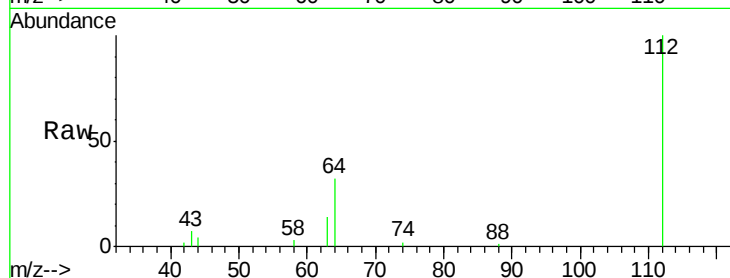
Tot Ion:112 Resp: 34427

Ion Ratio Lower Upper

112 100

64 52.2 41.8 62.8

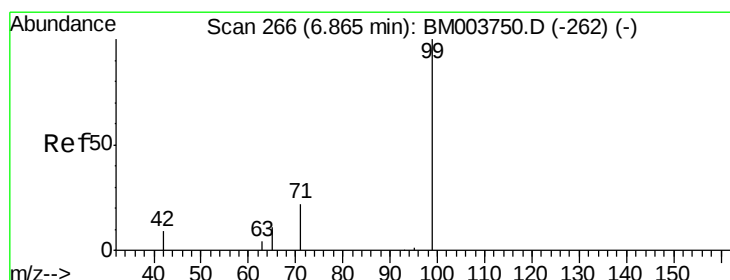
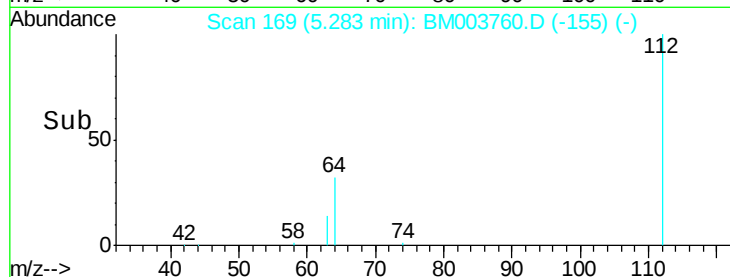
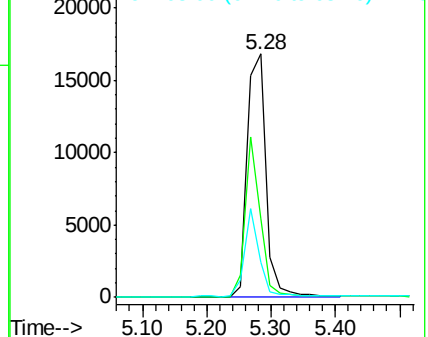
63 27.7 22.1 33.1



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): B

Ion 63.00 (62.70 to 63.70): B



#5

Phenol-d6

Concen: 2.08 ng

RT: 6.87 min Scan# 266

Delta R.T. 0.00 min

Lab File: BM003760.D

Acq: 24 Dec 2015 02:50

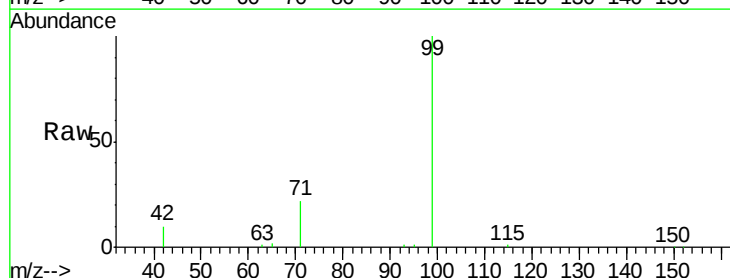
Tgt Ion: 99 Resp: 24763

Ion Ratio Lower Upper

99 100

42 18.6 16.2 24.2

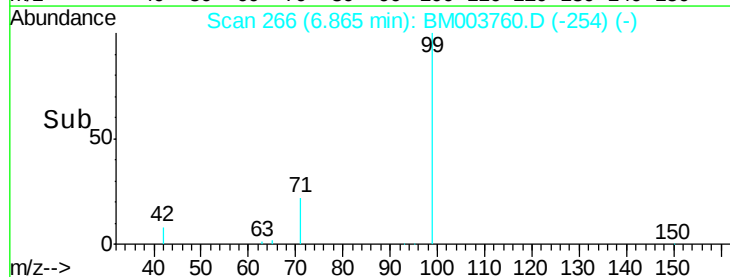
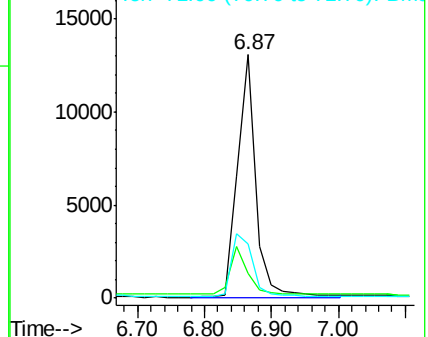
71 30.5 24.4 36.6

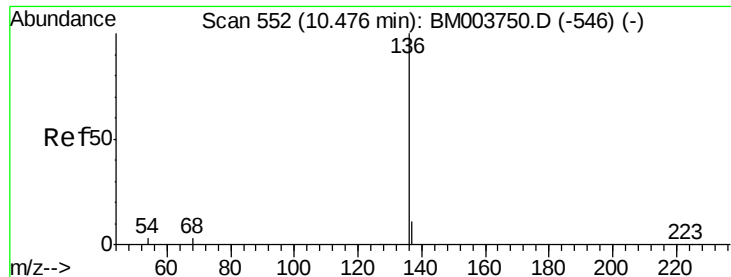


Abundance Ion 99.00 (98.70 to 99.70): B

Ion 42.00 (41.70 to 42.70): B

Ion 71.00 (70.70 to 71.70): B





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.48 min Scan# 552

Delta R.T. 0.00 min

Lab File: BM003760.D

Acq: 24 Dec 2015 02:50

Instrument :

BNA_M

ClientSampleId :

Tot Ion:136 Resp: 172233

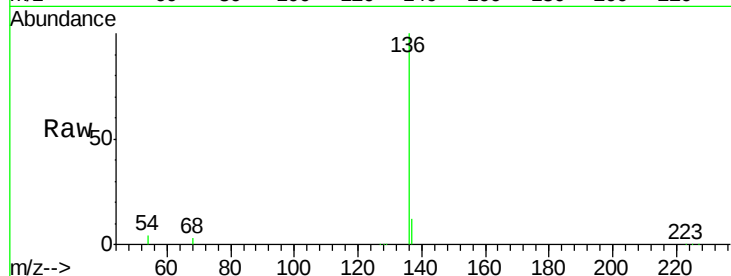
Ion Ratio Lower Upper

136 100

137 11.7 9.2 13.8

54 3.6 2.8 4.2

68 3.2 2.5 3.7



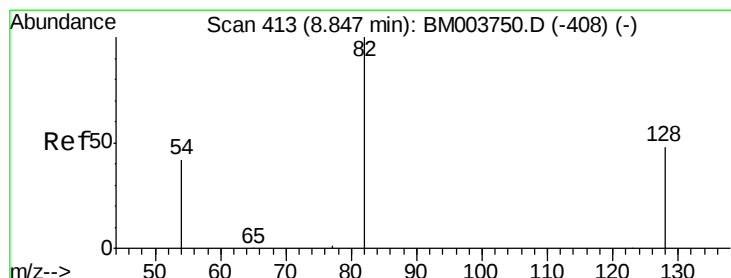
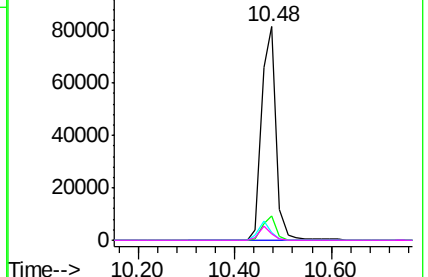
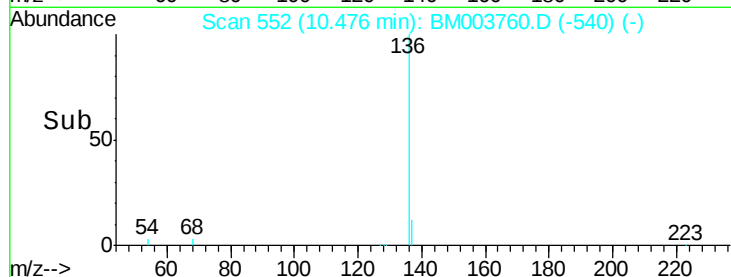
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BM

Ion 68.00 (67.70 to 68.70): BM

Time-->



#8

Nitrobenzene-d5

Concen: 4.56 ng

RT: 8.85 min Scan# 413

Delta R.T. 0.00 min

Lab File: BM003760.D

Acq: 24 Dec 2015 02:50

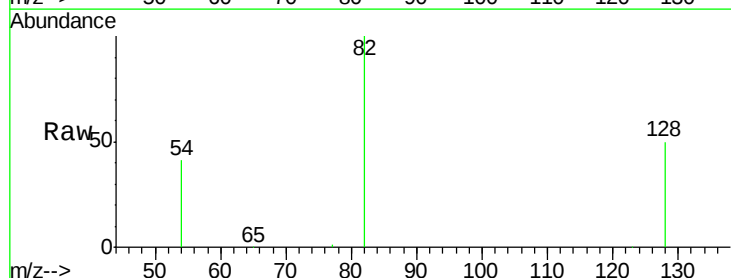
Tgt Ion: 82 Resp: 40396

Ion Ratio Lower Upper

82 100

128 49.9 39.1 58.7

54 41.1 34.8 52.2

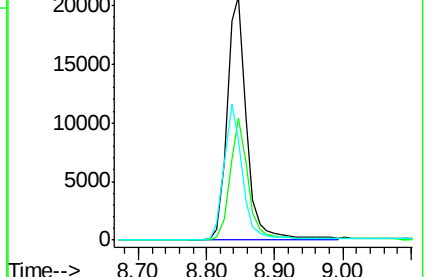
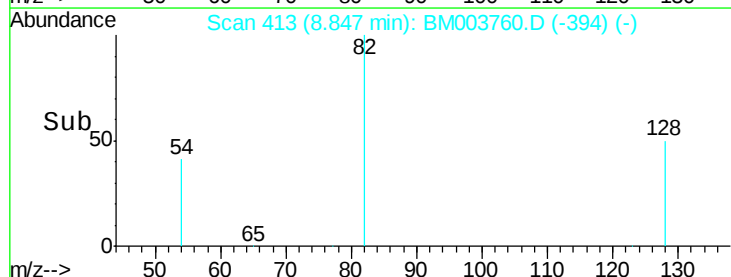


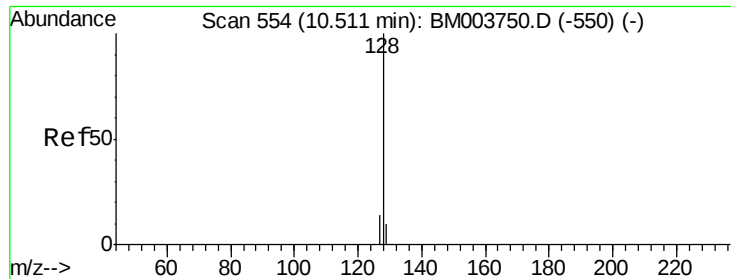
Abundance Ion 82.00 (81.70 to 82.70): BM

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BM

Time-->

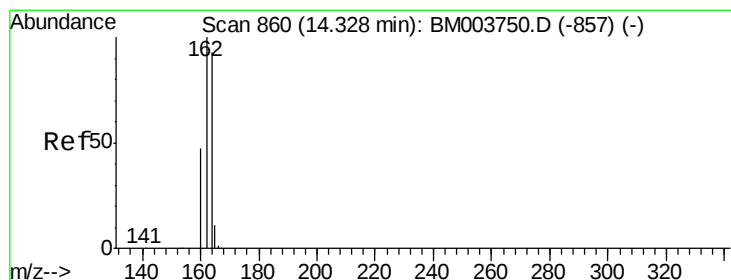
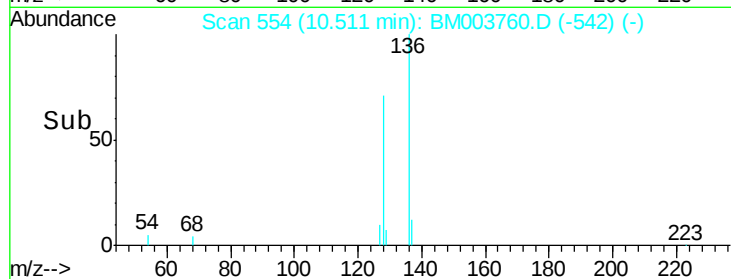
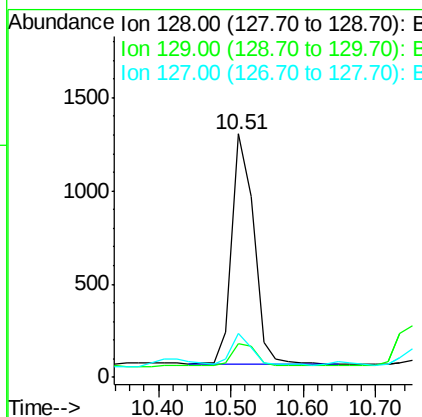
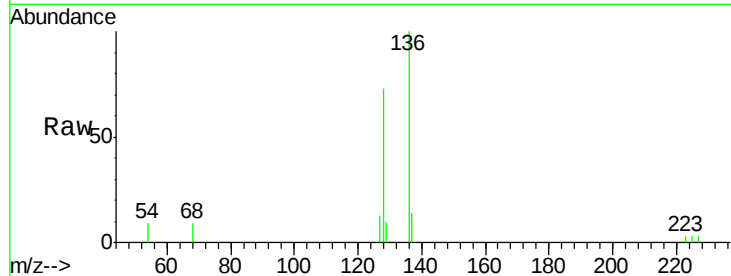




#10
Naphthalene
Concen: 0.07 ng
RT: 10.51 min Scan# 554
Delta R.T. 0.00 min
Lab File: BM003760.D
Acq: 24 Dec 2015 02:50

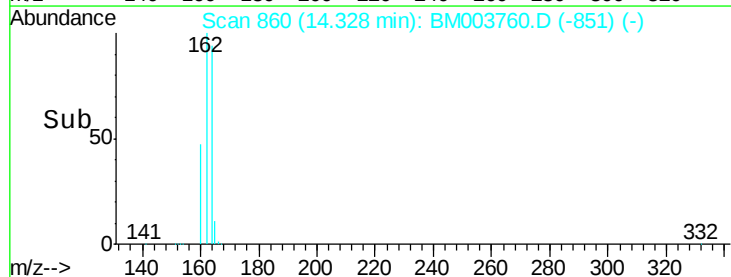
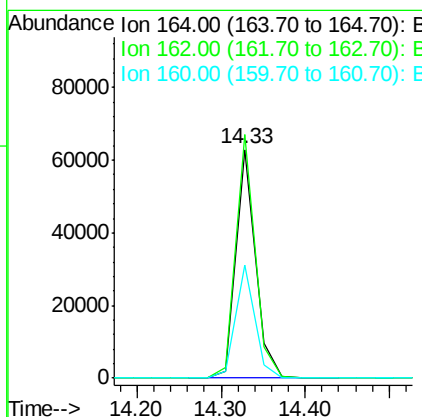
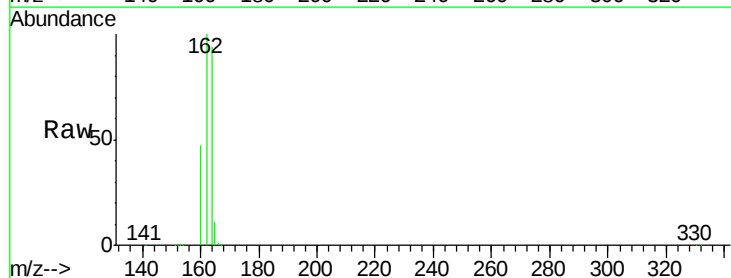
Instrument :
BNA_M
ClientSampleId :

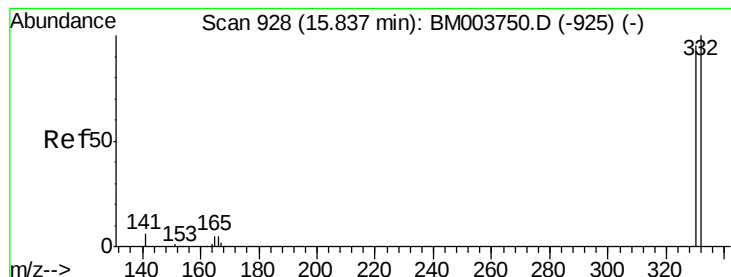
Tot Ion:128 Resp: 2548
Ion Ratio Lower Upper
128 100
129 13.9 8.5 12.7#
127 18.1 11.0 16.4#



#13
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.33 min Scan# 860
Delta R.T. 0.00 min
Lab File: BM003760.D
Acq: 24 Dec 2015 02:50

Tgt Ion:164 Resp: 99733
Ion Ratio Lower Upper
164 100
162 106.4 86.0 129.0
160 49.7 40.3 60.5

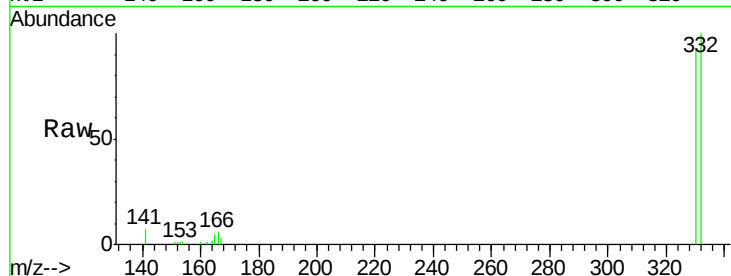




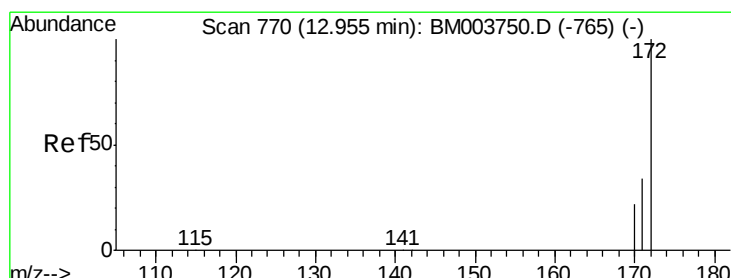
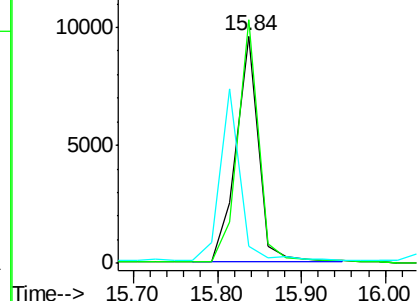
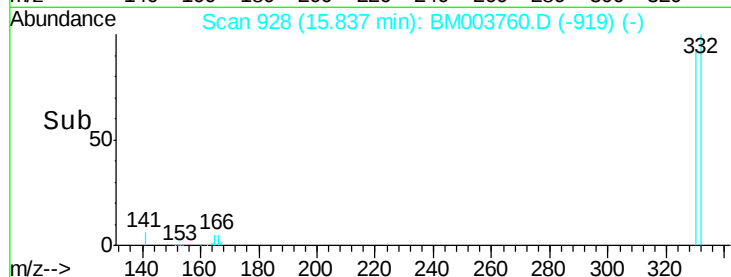
#14
 2,4,6-Tribromophenol
 Concen: 6.32 ng
 RT: 15.84 min Scan# 928
 Delta R.T. 0.00 min
 Lab File: BM003760.D
 Acq: 24 Dec 2015 02:50

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion:330 Resp: 17723
 Ion Ratio Lower Upper
 330 100
 332 99.7 79.0 118.4
 141 0.0 0.0 0.0

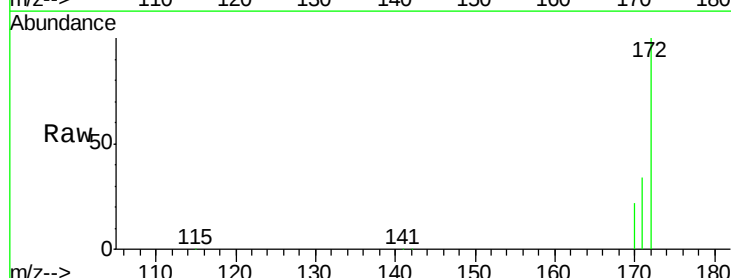


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

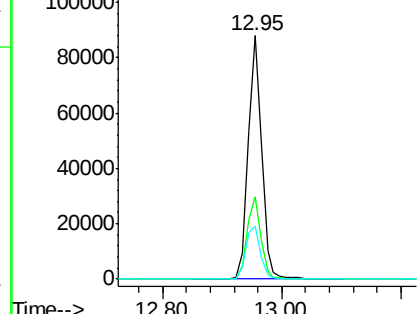
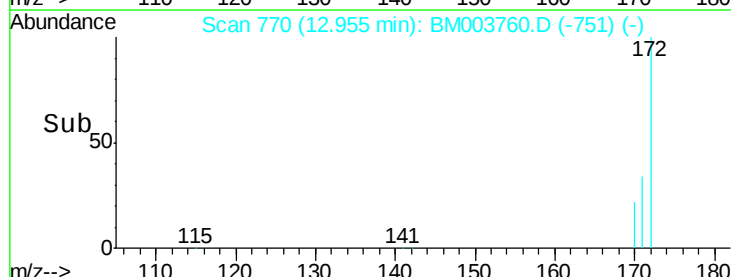


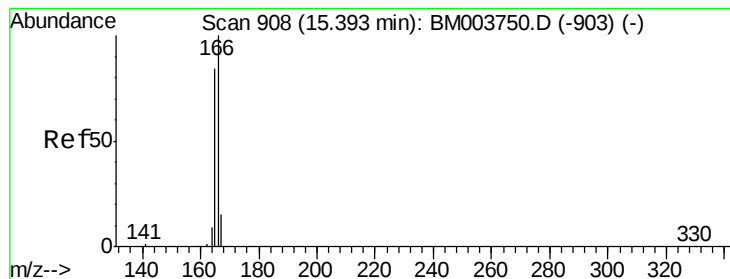
#15
 2-Fluorobiphenyl
 Concen: 4.63 ng
 RT: 12.95 min Scan# 770
 Delta R.T. 0.00 min
 Lab File: BM003760.D
 Acq: 24 Dec 2015 02:50

Tgt Ion:172 Resp: 134641
 Ion Ratio Lower Upper
 172 100
 171 33.6 27.0 40.6
 170 21.8 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





#18

Fluorene

Concen: 0.02 ng

RT: 15.39 min Scan# 908

Delta R.T. 0.00 min

Lab File: BM003760.D

Acq: 24 Dec 2015 02:50

Instrument :

BNA_M

ClientSampleId :

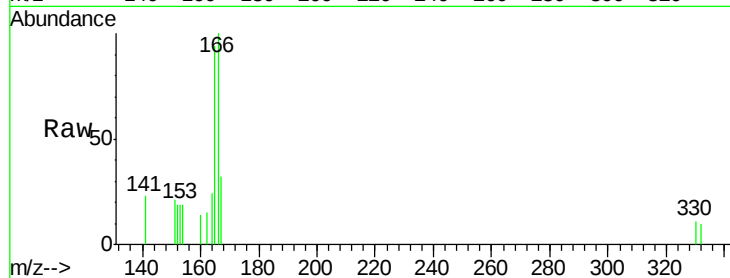
Tot Ion:166 Resp: 682

Ion Ratio Lower Upper

166 100

165 105.1 77.2 115.8

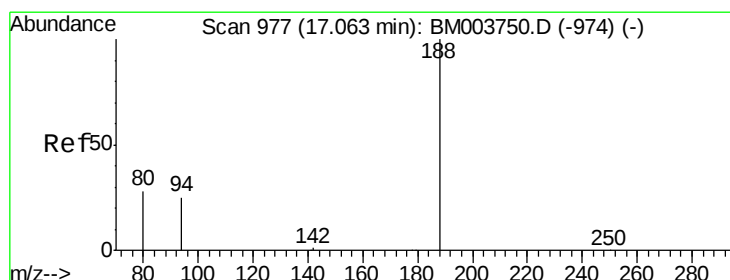
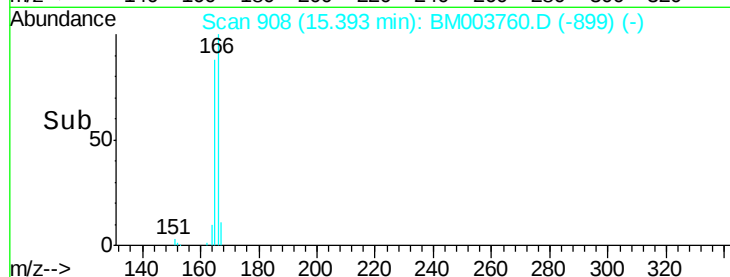
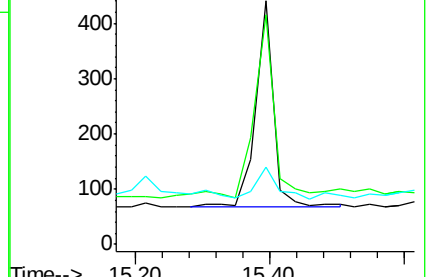
167 18.0 11.0 16.6#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#19

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.06 min Scan# 977

Delta R.T. 0.00 min

Lab File: BM003760.D

Acq: 24 Dec 2015 02:50

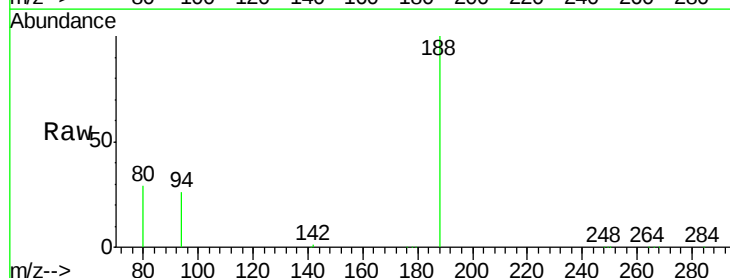
Tgt Ion:188 Resp: 183343

Ion Ratio Lower Upper

188 100

94 26.2 20.3 30.5

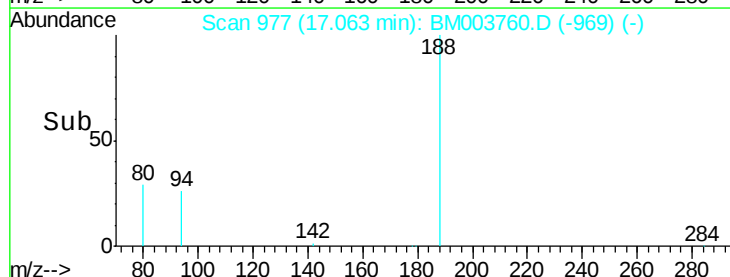
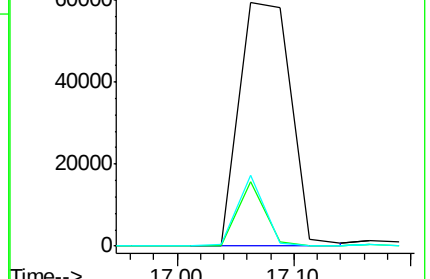
80 28.9 22.2 33.4

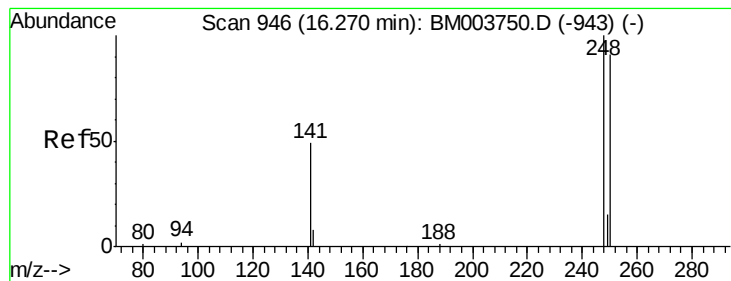


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM

Ion 80.00 (79.70 to 80.70): BM





#20

4-Bromophenyl-phenylether

Concen: Below Cal

RT: 16.27 min Scan# 946

Delta R.T. 0.00 min

Lab File: BM003760.D

Acq: 24 Dec 2015 02:50

Instrument :

BNA_M

ClientSampled :

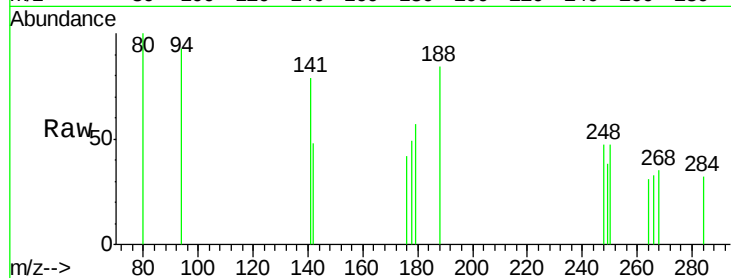
Tot Ion:248 Resp: 51

Ion Ratio Lower Upper

248 100

250 90.2 75.0 112.4

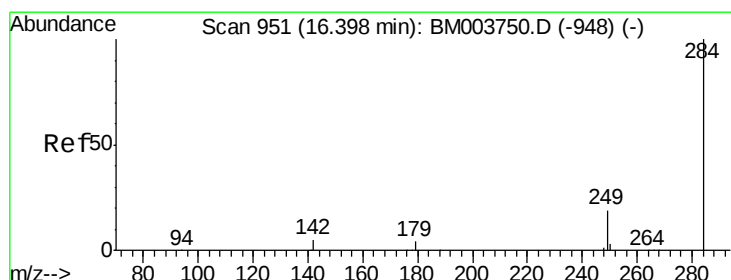
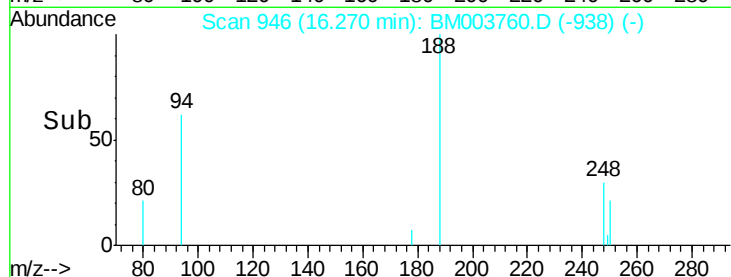
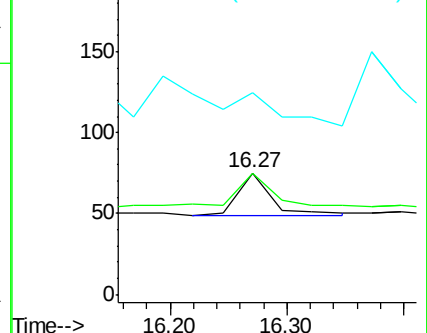
141 0.0 53.0 79.4#



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: BM003760.D

Acq: 24 Dec 2015 02:50

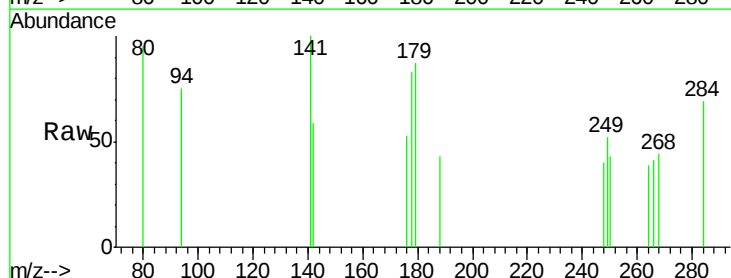
Tgt Ion:284 Resp: 66

Ion Ratio Lower Upper

284 100

142 0.0 0.0 0.0

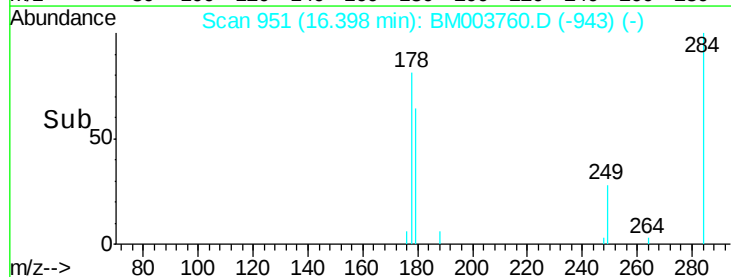
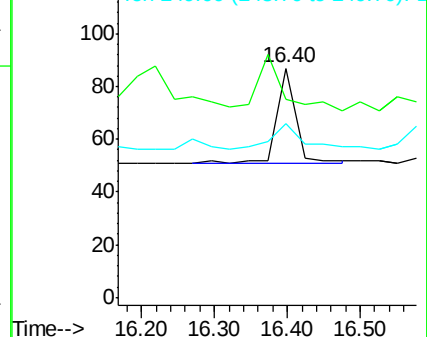
249 43.9 21.5 32.3#

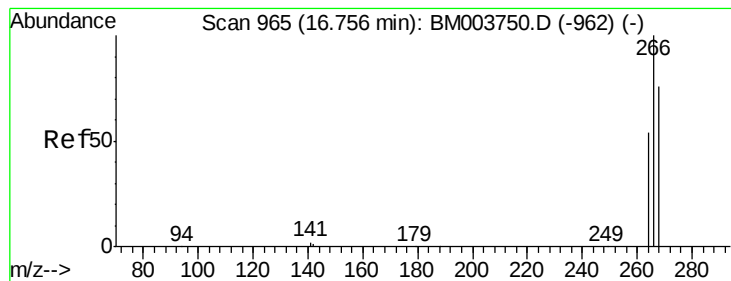


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





#22

Pentachlorophenol

Concen: 0.49 ng

RT: 16.76 min Scan# 965

Delta R.T. 0.00 min

Lab File: BM003760.D

Acq: 24 Dec 2015 02:50

Instrument :

BNA_M

ClientSampleId :

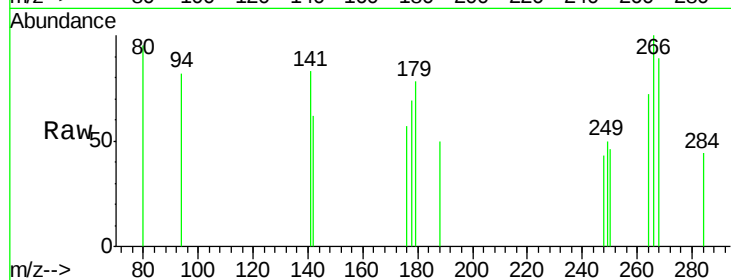
Tot Ion:266 Resp: 241

Ion Ratio Lower Upper

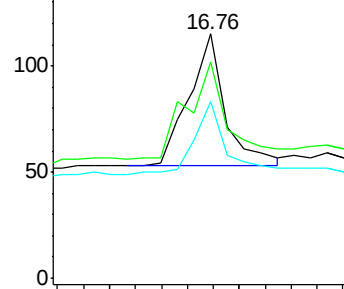
266 100

268 88.7 62.7 94.1

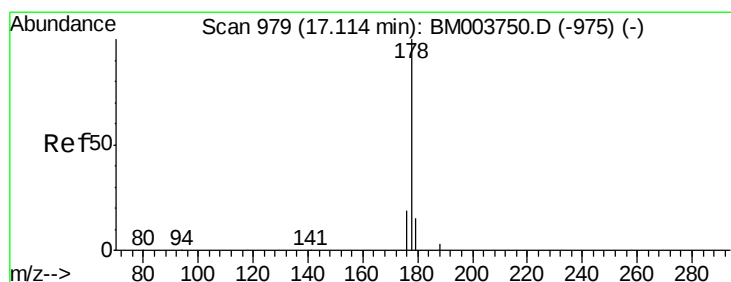
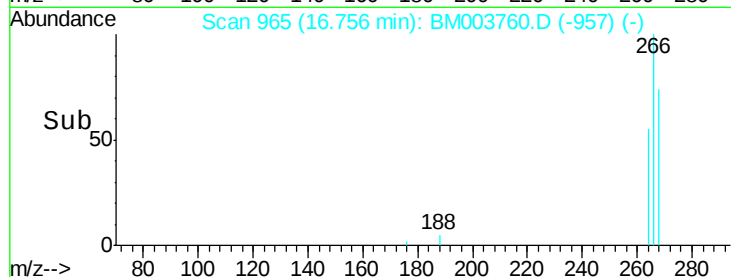
264 72.2 45.7 68.5#



Abundance Ion 265.70 (265.40 to 266.40): E
Ion 268.00 (267.70 to 268.70): E
Ion 264.00 (263.70 to 264.70): E



Time-->



#23

Phenanthrene

Concen: 0.05 ng

RT: 17.11 min Scan# 979

Delta R.T. 0.00 min

Lab File: BM003760.D

Acq: 24 Dec 2015 02:50

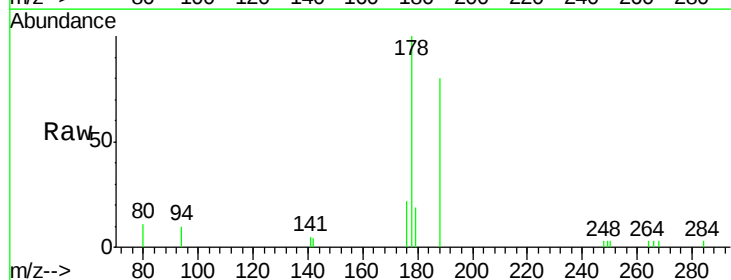
Tgt Ion:178 Resp: 3173

Ion Ratio Lower Upper

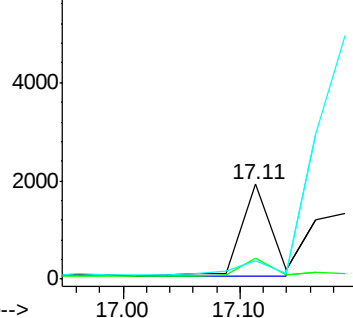
178 100

176 24.6 15.4 23.0#

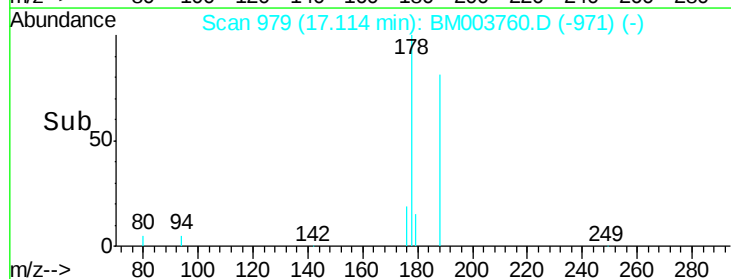
179 0.0 12.2 18.4#

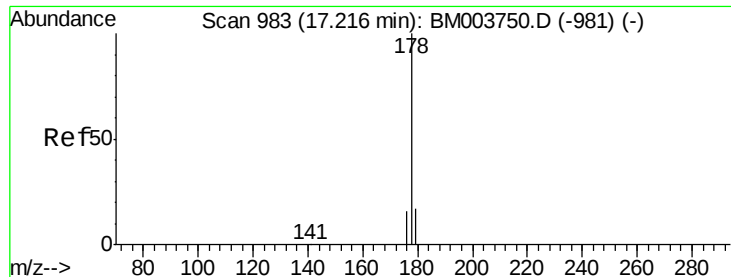


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



Time-->





#24

Anthracene

Concen: 0.07 ng

RT: 17.11 min Scan# 979

Delta R.T. -0.10 min

Lab File: BM003760.D

Acq: 24 Dec 2015 02:50

Instrument :

BNA_M

ClientSampleId :

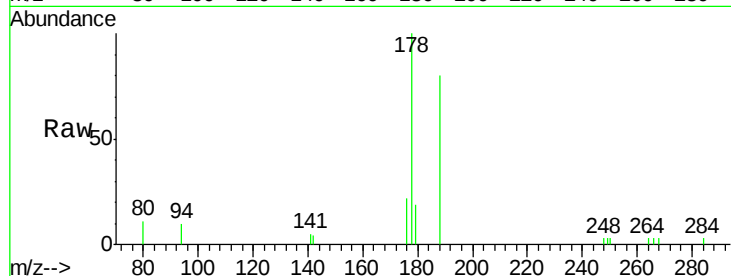
Tot Ion:178 Resp: 2958

Ion Ratio Lower Upper

178 100

176 27.1 14.6 21.8#

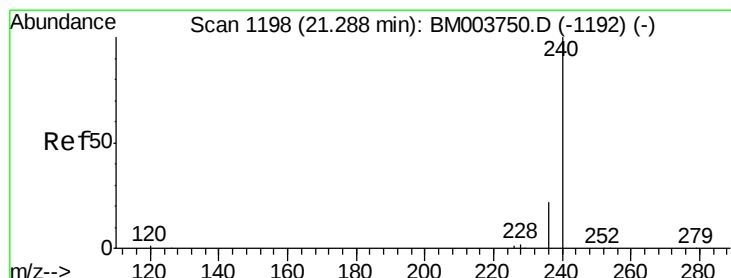
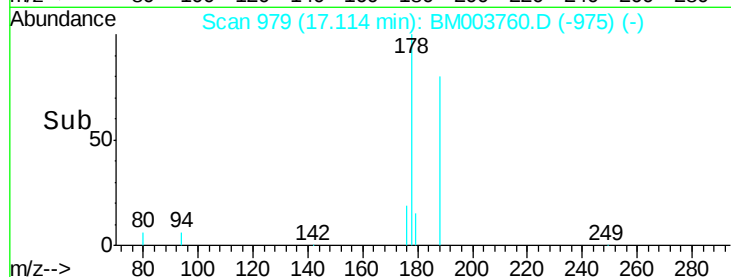
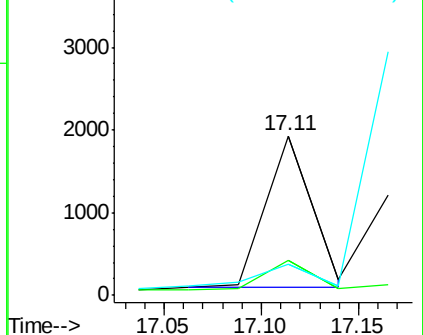
179 0.0 12.6 19.0#



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



#26

Chrysene-d12

Concen: 5.00 ng

RT: 21.29 min Scan# 1198

Delta R.T. 0.00 min

Lab File: BM003760.D

Acq: 24 Dec 2015 02:50

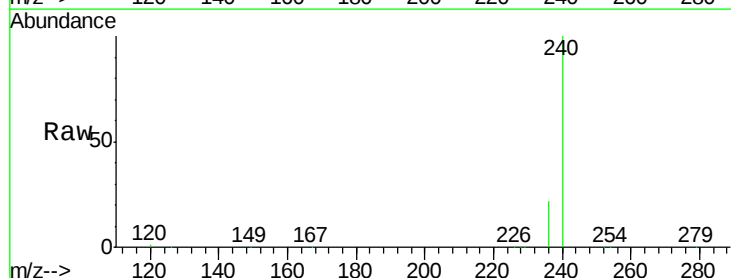
Tgt Ion:240 Resp: 186416

Ion Ratio Lower Upper

240 100

120 1.3 0.9 1.3#

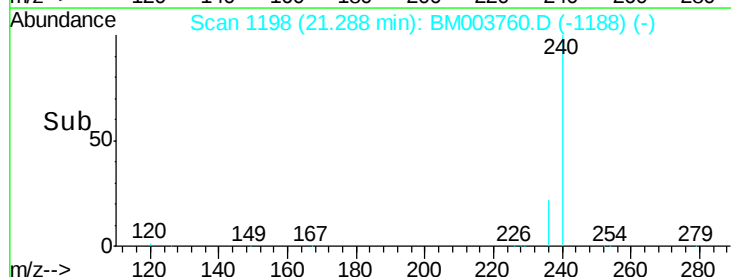
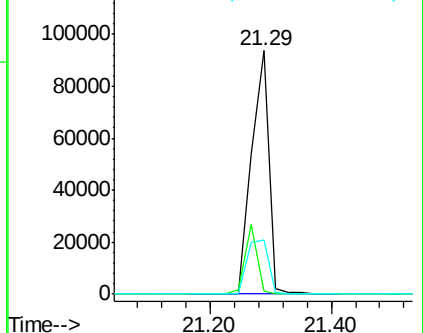
236 22.3 17.3 25.9

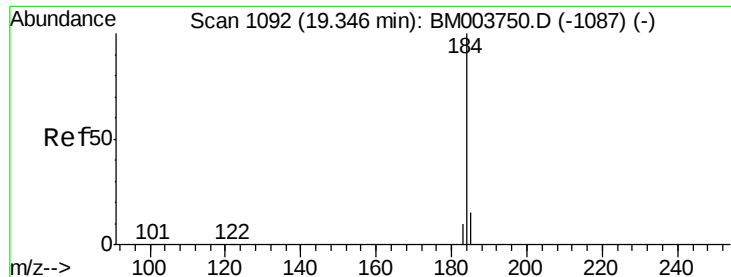


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#27

Benzidine

Concen: 0.52 ng

RT: 19.35 min Scan# 1092

Delta R.T. 0.00 min

Lab File: BM003760.D

Acq: 24 Dec 2015 02:50

Instrument :

BNA_M

ClientSampleId :

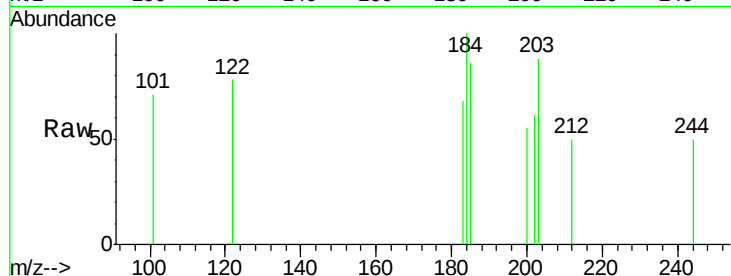
Tot Ion:184 Resp: 168

Ion Ratio Lower Upper

184 100

185 85.7 13.2 19.8#

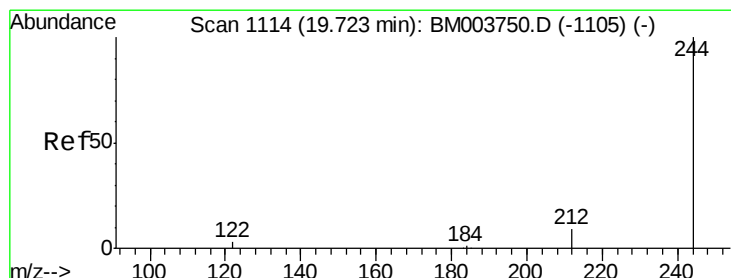
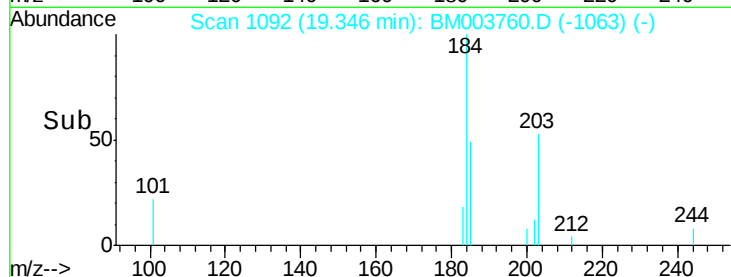
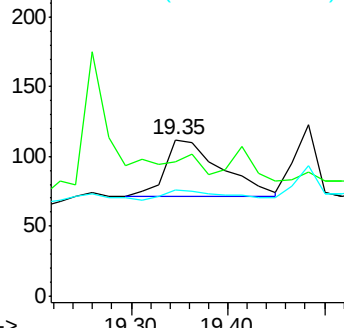
183 67.9 9.0 13.6#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#29

Terphenyl-d14

Concen: 4.81 ng

RT: 19.72 min Scan# 1114

Delta R.T. 0.00 min

Lab File: BM003760.D

Acq: 24 Dec 2015 02:50

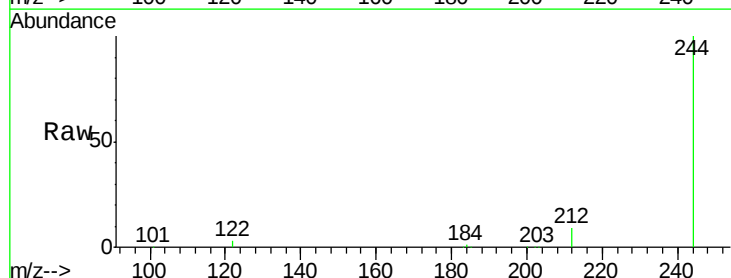
Tgt Ion:244 Resp: 141804

Ion Ratio Lower Upper

244 100

212 8.8 7.0 10.6

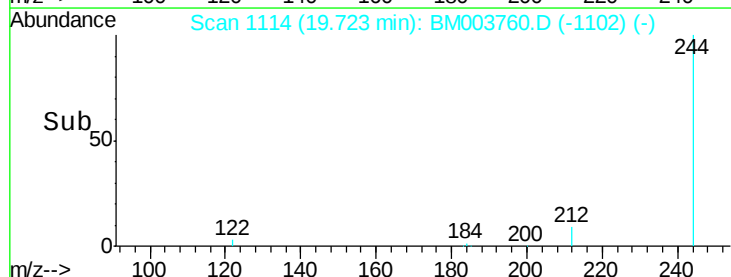
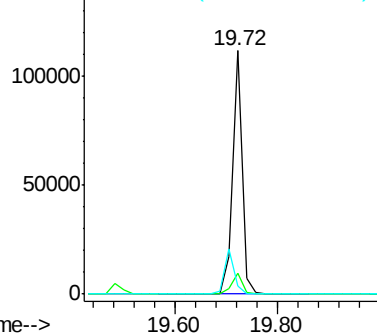
122 3.1 3.0 4.6

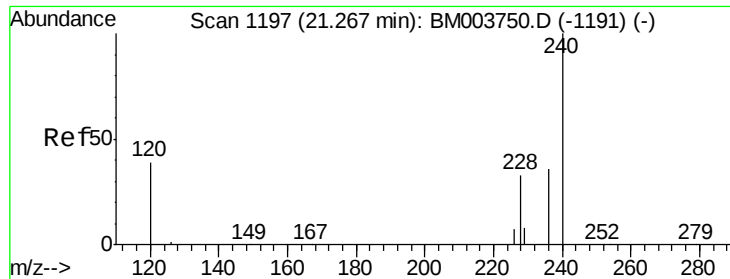


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#30

Benzo(a)anthracene

Concen: 0.03 ng

RT: 21.27 min Scan# 1197

Delta R.T. 0.00 min

Lab File: BM003760.D

Acq: 24 Dec 2015 02:50

Instrument :

BNA_M

ClientSampleId :

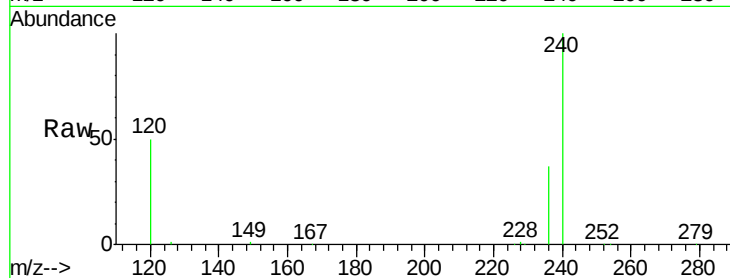
Tot Ion:228 Resp: 1740

Ion Ratio Lower Upper

228 100

226 23.9 17.2 25.8

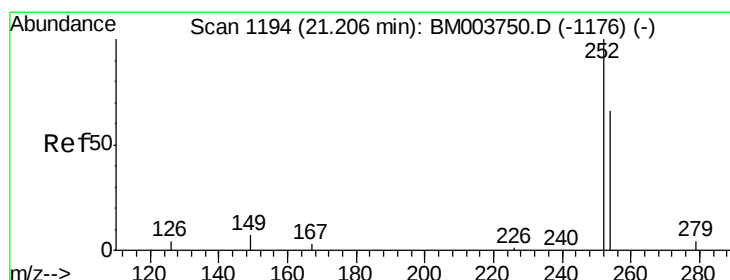
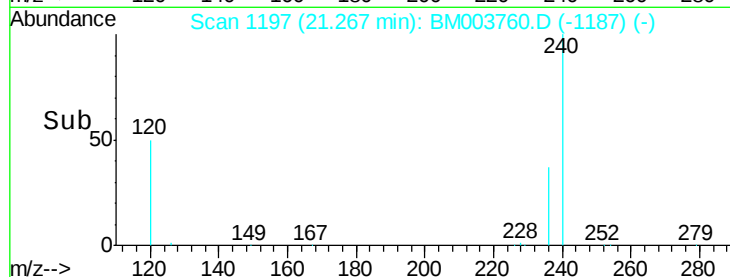
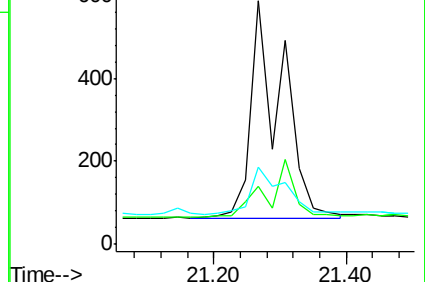
229 31.7 18.7 28.1#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#31

3,3'-Dichlorobenzidine

Concen: 0.30 ng

RT: 21.21 min Scan# 1194

Delta R.T. 0.00 min

Lab File: BM003760.D

Acq: 24 Dec 2015 02:50

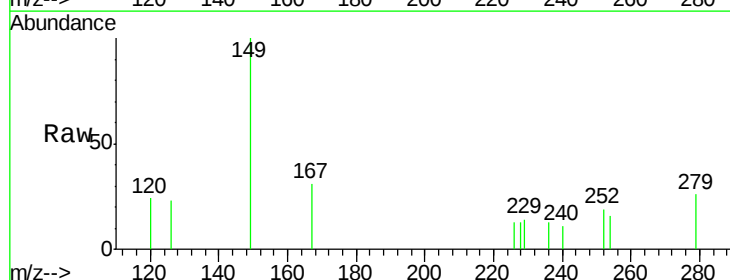
Tgt Ion:252 Resp: 52

Ion Ratio Lower Upper

252 100

254 83.8 52.6 79.0#

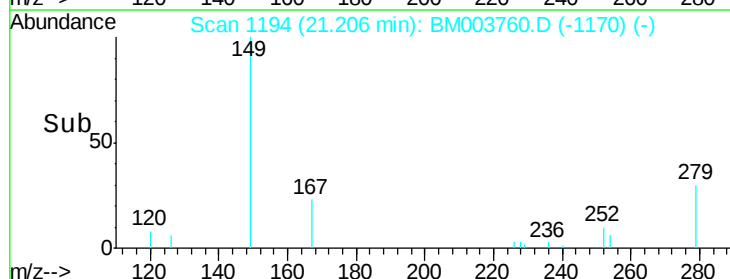
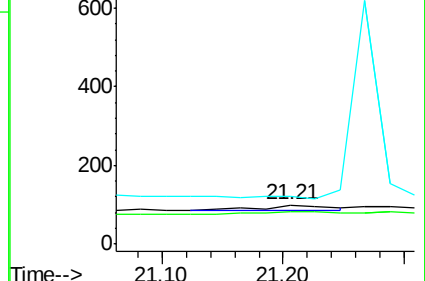
126 123.2 3.7 5.5#

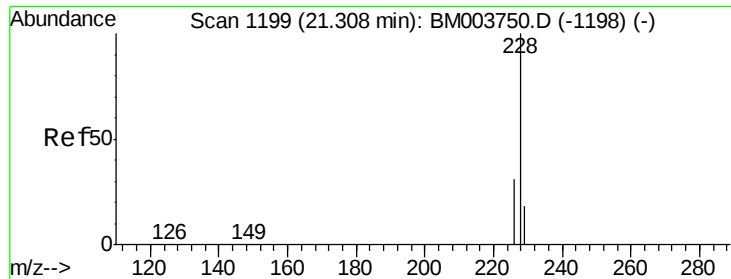


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#32

Chrysene

Concen: 0.03 ng

RT: 21.27 min Scan# 1197

Delta R.T. -0.04 min

Lab File: BM003760.D

Acq: 24 Dec 2015 02:50

Instrument :

BNA_M

ClientSampleId :

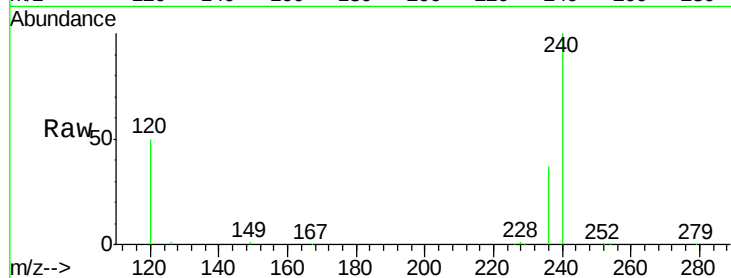
Tot Ion:228 Resp: 1751

Ion Ratio Lower Upper

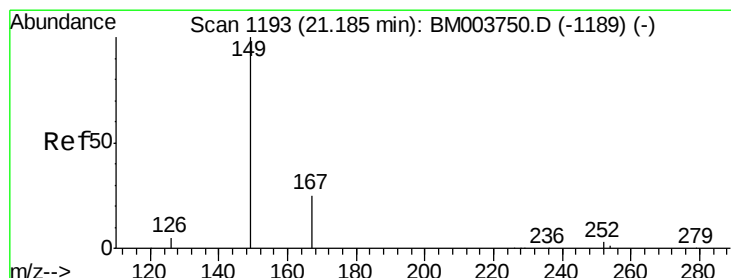
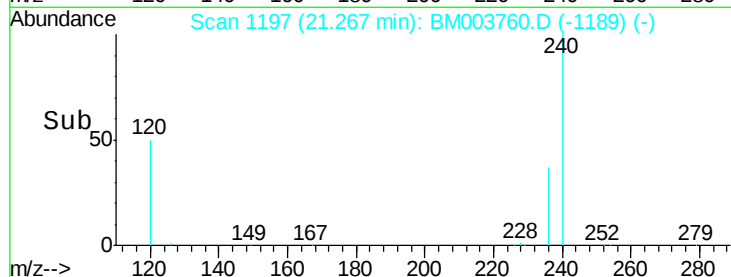
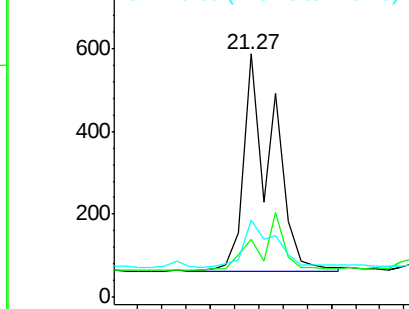
228 100

226 23.9 25.3 37.9#

229 31.7 14.5 21.7#



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



#33

Bis(2-ethylhexyl)phthalate

Concen: 0.35 ng

RT: 21.19 min Scan# 1193

Delta R.T. 0.00 min

Lab File: BM003760.D

Acq: 24 Dec 2015 02:50

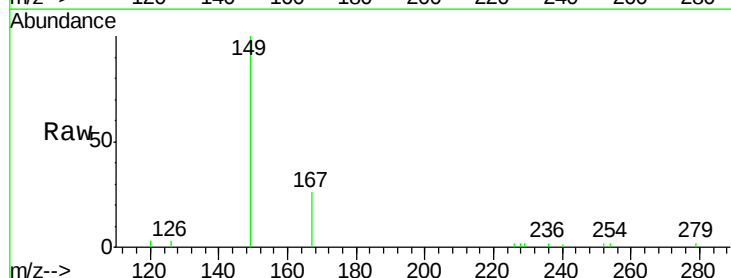
Tgt Ion:149 Resp: 5094

Ion Ratio Lower Upper

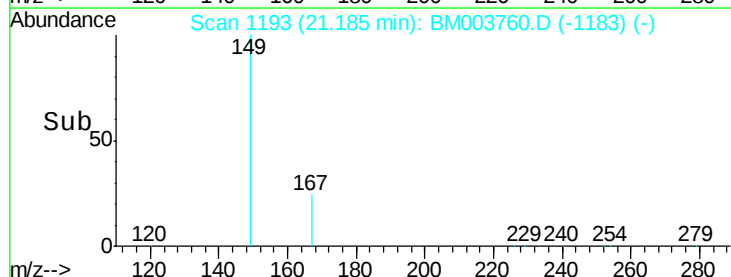
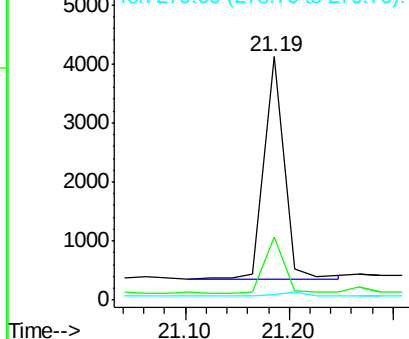
149 100

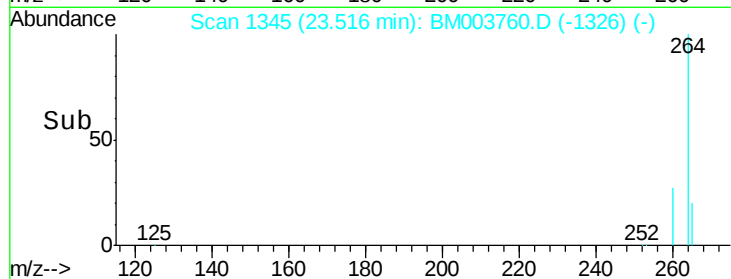
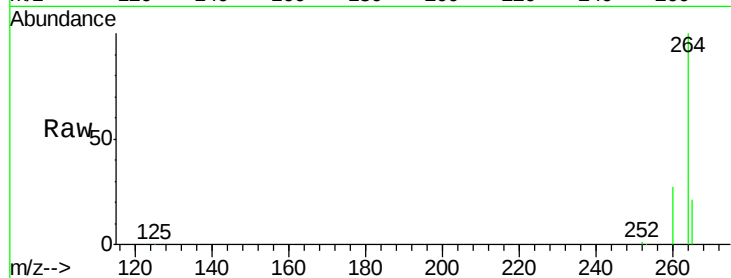
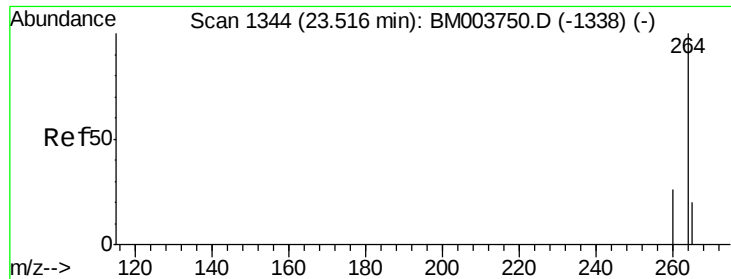
167 24.5 20.1 30.1

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
 Pervlene-d12
 Concen: 5.00 ng
 RT: 23.52 min Scan# 1345
 Delta R.T. 0.00 min
 Lab File: BM003760.D
 Acq: 24 Dec 2015 02:50

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion: 264 Resp: 158389
 Ion Ratio Lower Upper
 264 100
 260 26.6 21.2 31.8
 265 20.8 16.7 25.1

