

Data Path : Z:\HPCHEM1\BNA M\DATA\BM122415\
 Data File : BM003764.D
 Acq On : 24 Dec 2015 05:17
 Operator : UM/SJ
 Sample : G4793-04
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Dec 24 06:14:02 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	43167	5.00	ng	0.00
7) Naphthalene-d8	10.48	136	195076	5.00	ng	0.00
13) Acenaphthene-d10	14.33	164	148196	5.00	ng	0.00
19) Phenanthrene-d10	17.09	188	204887	5.00	ng	0.03
26) Chrysene-d12	21.29	240	218354	5.00	ng	0.00
35) Perylene-d12	23.52	264	205558	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.27	112	35620	3.62	ng	0.00
5) Phenol-d6	6.87	99	29431	2.43	ng	0.00
8) Nitrobenzene-d5	8.85	82	46020	4.59	ng	0.00
14) 2,4,6-Tribromophenol	15.84	330	31821	7.63	ng	0.00
15) 2-Fluorobiphenyl	12.96	172	148816	3.44	ng	0.00
29) Terphenyl-d14	19.72	244	150049	4.34	ng	0.00

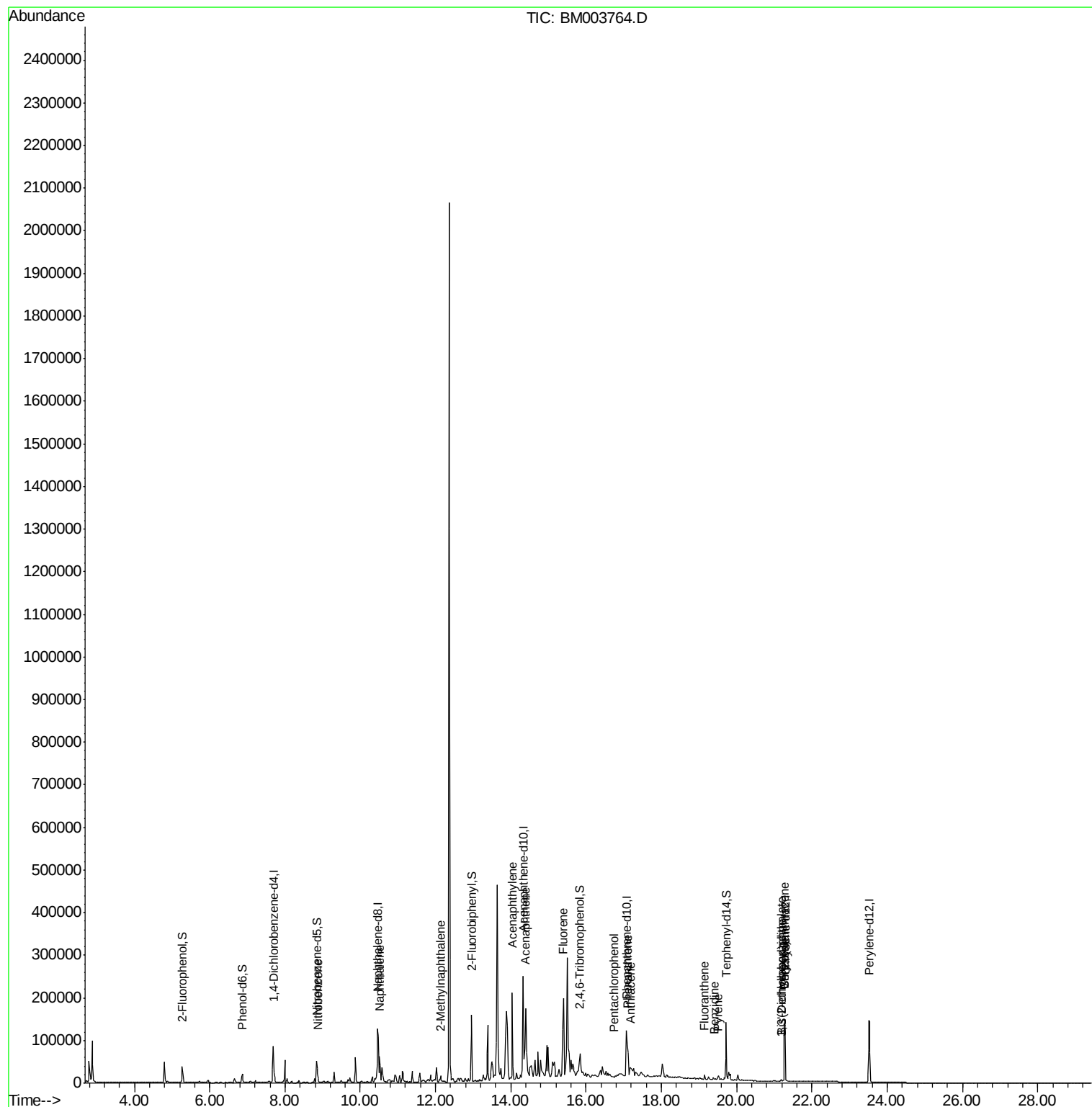
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Nitrobenzene	8.87	77	12257	1.07	ng	# 37
10) Naphthalene	10.51	128	82735	1.93	ng	# 78
12) 2-Methylnaphthalene	12.14	142	12445	0.44	ng	# 91
16) Acenaphthylene	14.04	152	29146	0.45	ng	# 1
17) Acenaphthene	14.39	154	108265	2.63	ng	# 81
18) Fluorene	15.39	166	167671	3.39	ng	# 91
20) 4-Bromophenyl-phenylether	16.32	248	67	Below Cal		# 9
21) Hexachlorobenzene	16.40	284	32	Below Cal		# 48
22) Pentachlorophenol	16.73	266	475	0.54	ng	# 77
23) Phenanthrene	17.11	178	69069	1.06	ng	# 83
24) Anthracene	17.19	178	16030	0.33	ng	# 1
25) Fluoranthene	19.14	202	12496	0.20	ng	# 99
27) Benzidine	19.40	184	2705	0.61	ng	# 1
28) Pyrene	19.52	202	8845	0.12	ng	# 82
30) Benzo(a)anthracene	21.27	228	2801	0.04	ng	# 56
31) 3,3'-Dichlorobenzidine	21.21	252	55	0.30	ng	# 38
32) Chrysene	21.27	228	2800	0.04	ng	# 67
33) Bis(2-ethylhexyl)phthalate	21.19	149	3699	0.30	ng	# 96

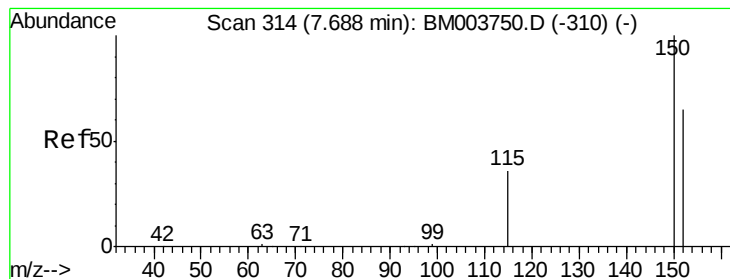
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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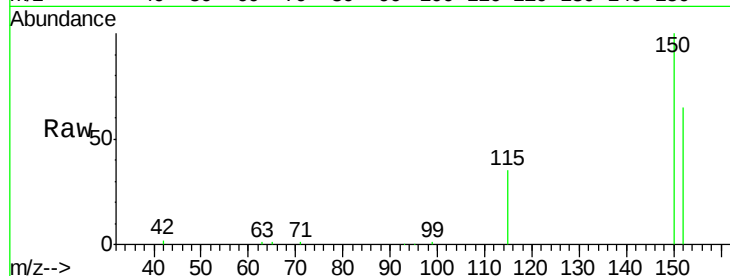


#1

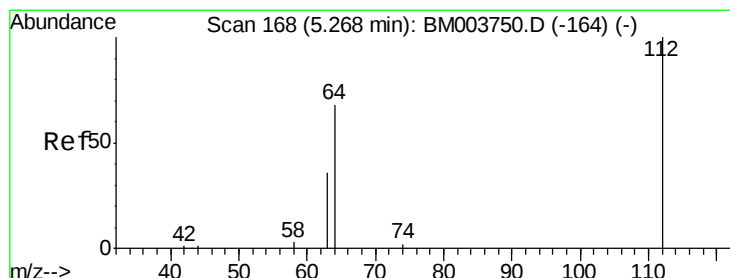
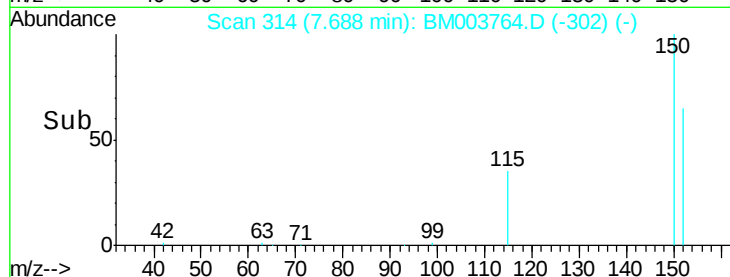
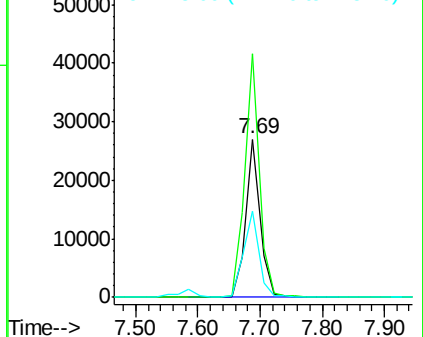
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.69 min Scan# 314
Delta R.T. 0.00 min
Lab File: BM003764.D
Acq: 24 Dec 2015 05:17

Instrument :
BNA_M
ClientSampled :

Tot Ion:152 Resp: 43167
Ion Ratio Lower Upper
152 100
150 153.9 122.9 184.3
115 54.5 44.4 66.6



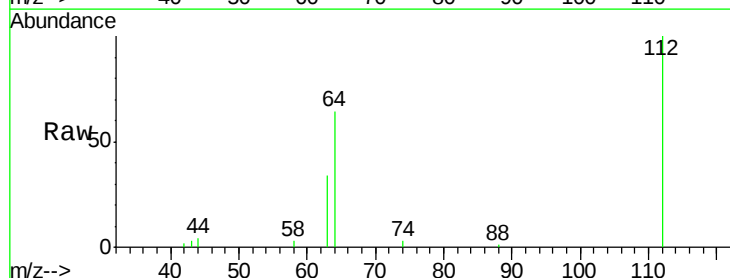
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



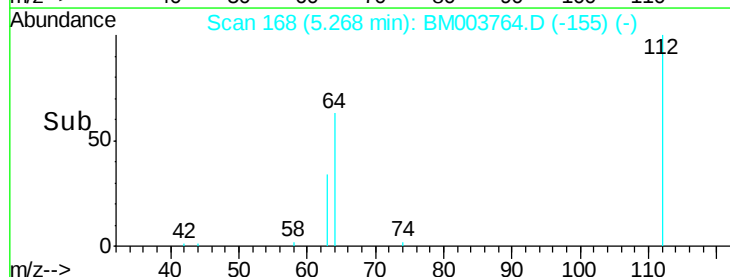
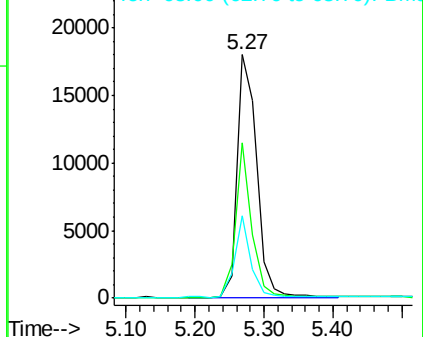
#4

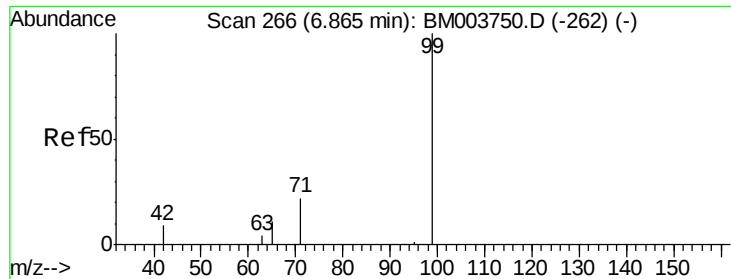
2-Fluorophenol
Concen: 3.62 ng
RT: 5.27 min Scan# 168
Delta R.T. 0.00 min
Lab File: BM003764.D
Acq: 24 Dec 2015 05:17

Tgt Ion:112 Resp: 35620
Ion Ratio Lower Upper
112 100
64 51.9 41.8 62.8
63 27.6 22.1 33.1



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BM0
Ion 63.00 (62.70 to 63.70): BM0





#5

Phenol-d6

Concen: 2.43 ng

RT: 6.87 min Scan# 266

Delta R.T. 0.00 min

Lab File: BM003764.D

Acq: 24 Dec 2015 05:17

Instrument :

BNA_M

ClientSampleId :

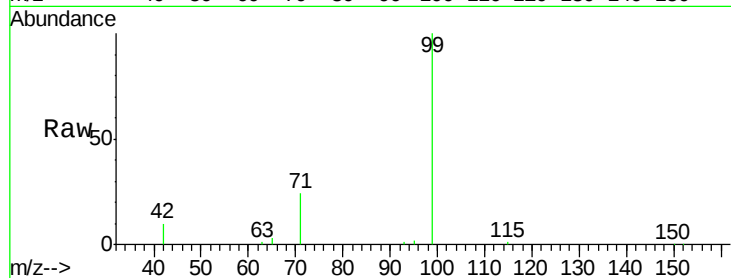
Tot Ion: 99 Resp: 29431

Ion Ratio Lower Upper

99 100

42 18.2 16.2 24.2

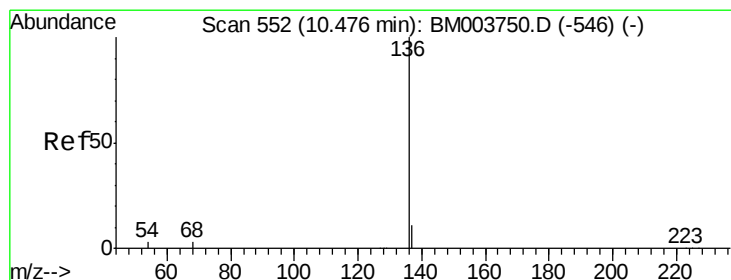
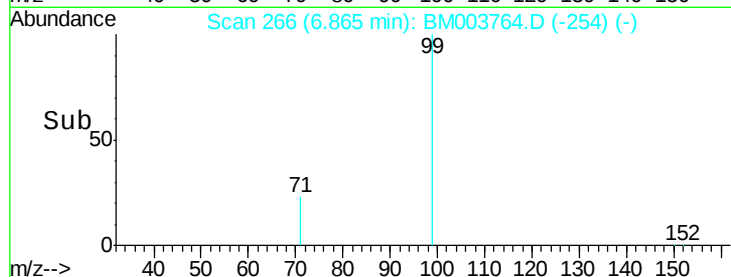
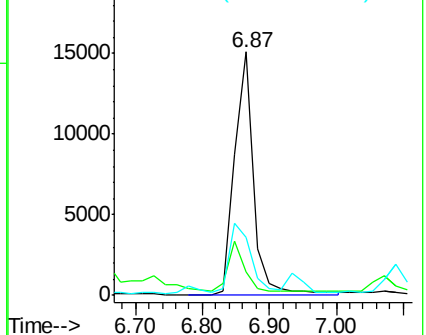
71 32.7 24.4 36.6



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: BM003764.D

Acq: 24 Dec 2015 05:17

Tgt Ion: 136 Resp: 195076

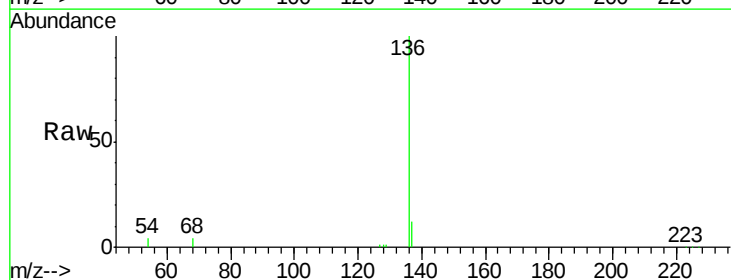
Ion Ratio Lower Upper

136 100

137 11.7 9.2 13.8

54 3.9 2.8 4.2

68 3.8 2.5 3.7#

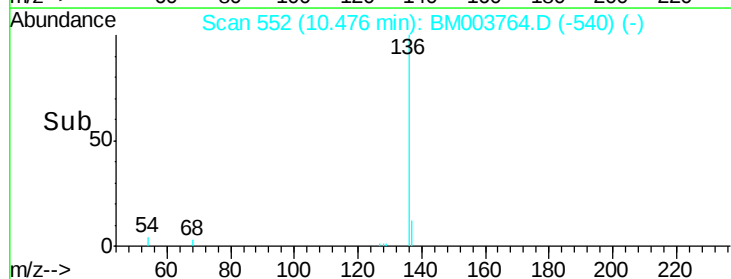
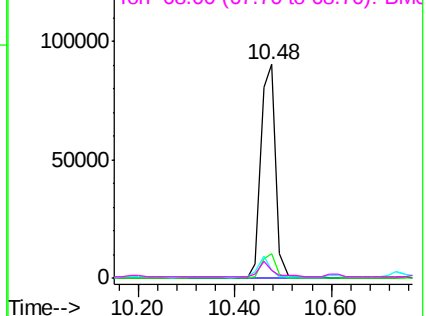


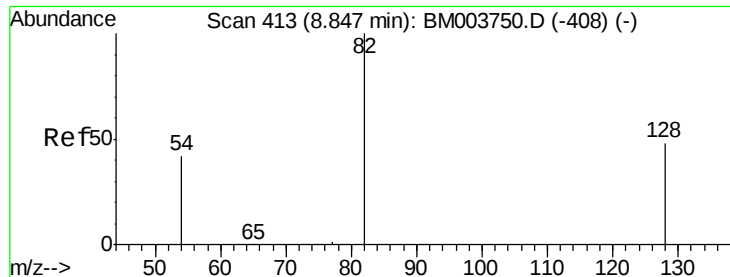
Abundance Ion 136.00 (135.70 to 136.70): BM003750.D (-546) (-)

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: 4.59 ng

RT: 8.85 min Scan# 413

Delta R.T. 0.00 min

Lab File: BM003764.D

Acq: 24 Dec 2015 05:17

Instrument :

BNA_M

ClientSampleId :

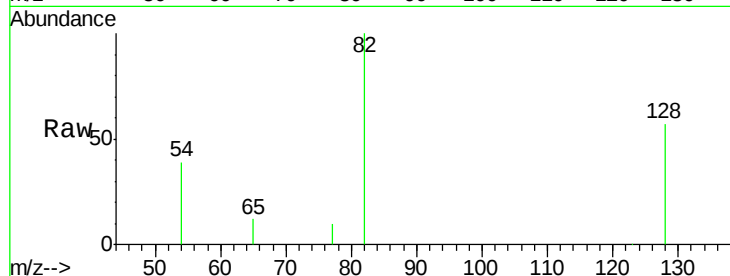
Tot Ion: 82 Resp: 46020

Ion Ratio Lower Upper

82 100

128 56.5 39.1 58.7

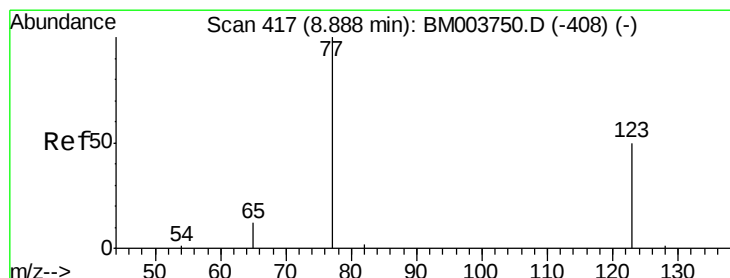
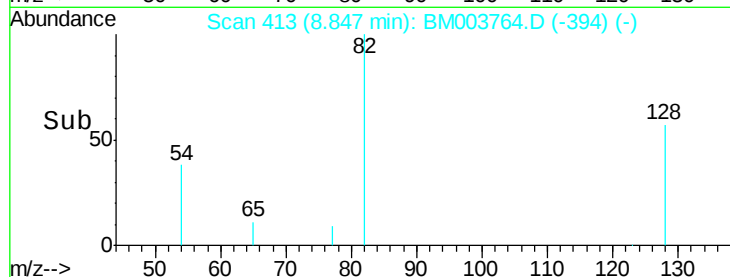
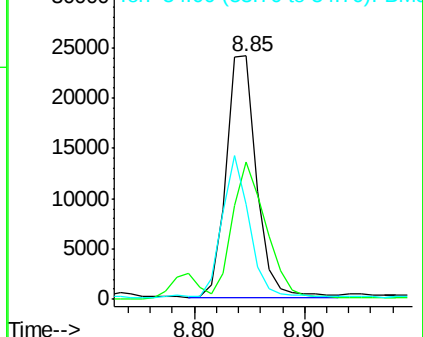
54 39.1 34.8 52.2



Abundance Ion 82.00 (81.70 to 82.70): BM003750.D (-408) (-)

Ion 128.00 (127.70 to 128.70): BM003750.D (-408) (-)

Ion 54.00 (53.70 to 54.70): BM003750.D (-408) (-)



#9

Nitrobenzene

Concen: 1.07 ng

RT: 8.87 min Scan# 415

Delta R.T. -0.02 min

Lab File: BM003764.D

Acq: 24 Dec 2015 05:17

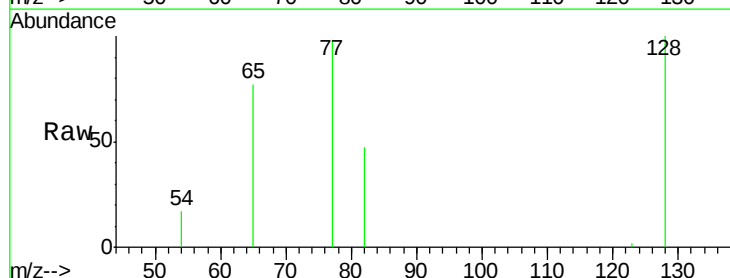
Tgt Ion: 77 Resp: 12257

Ion Ratio Lower Upper

77 100

123 0.5 38.6 57.8#

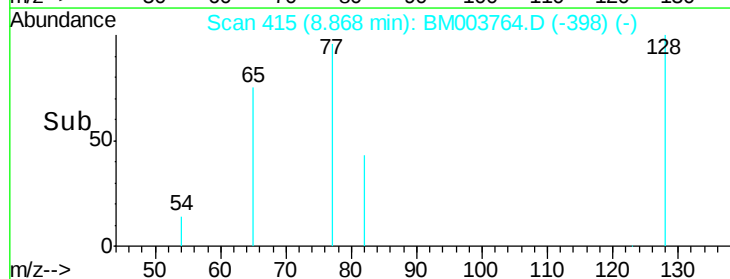
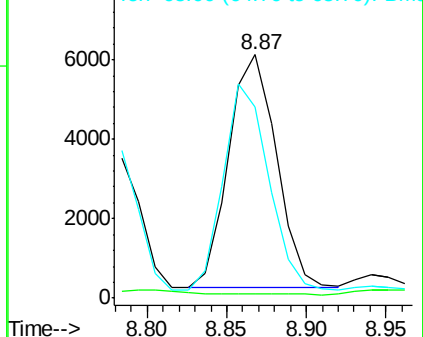
65 0.0 9.9 14.9#

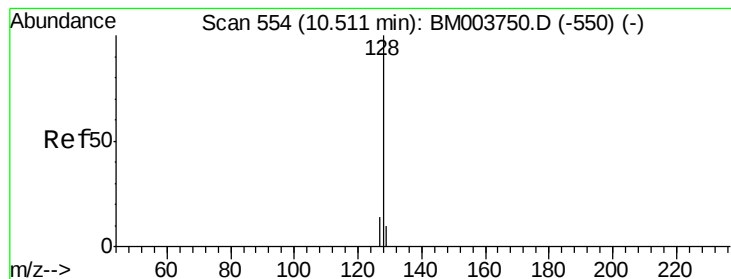


Abundance Ion 77.00 (76.70 to 77.70): BM003750.D (-408) (-)

Ion 123.00 (122.70 to 123.70): BM003750.D (-408) (-)

Ion 65.00 (64.70 to 65.70): BM003750.D (-408) (-)





#10

Naphthalene

Concen: 1.93 ng

RT: 10.51 min Scan# 554

Delta R.T. 0.00 min

Lab File: BM003764.D

Acq: 24 Dec 2015 05:17

Instrument :

BNA_M

ClientSampleId :

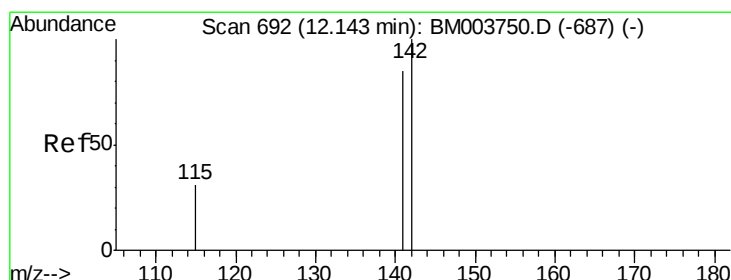
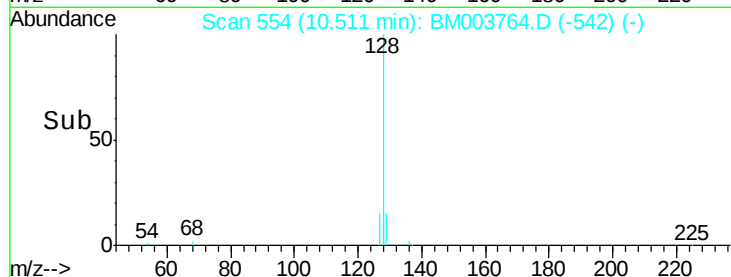
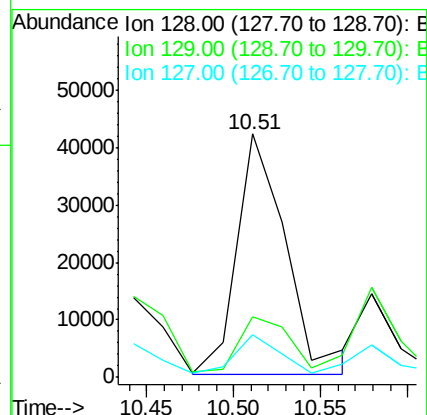
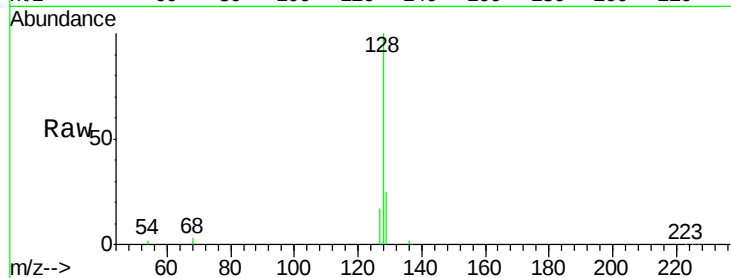
Tot Ion:128 Resp: 82735

Ion Ratio Lower Upper

128 100

129 25.1 8.5 12.7#

127 17.5 11.0 16.4#



#12

2-Methylnaphthalene

Concen: 0.44 ng

RT: 12.14 min Scan# 692

Delta R.T. 0.00 min

Lab File: BM003764.D

Acq: 24 Dec 2015 05:17

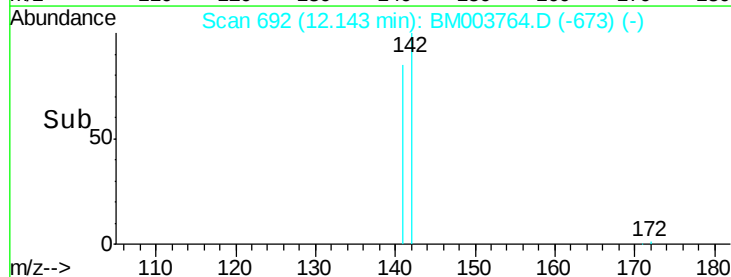
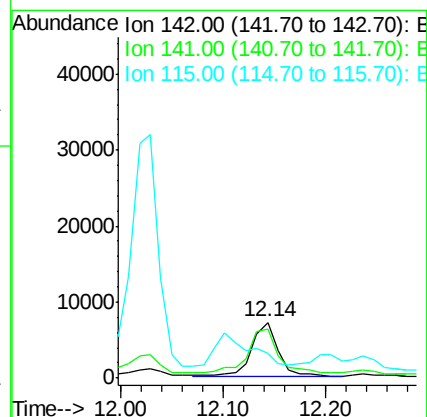
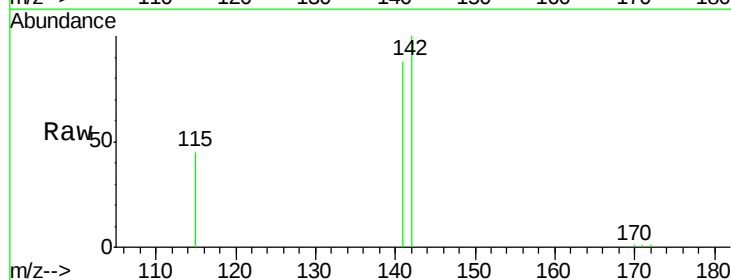
Tgt Ion:142 Resp: 12445

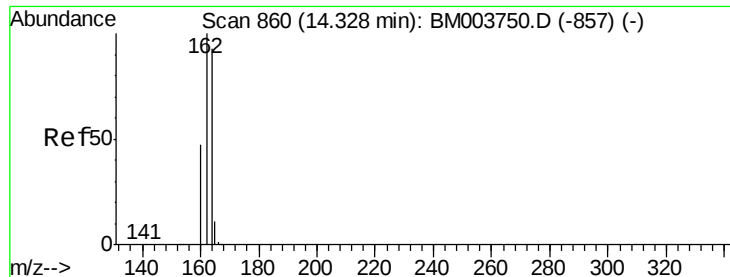
Ion Ratio Lower Upper

142 100

141 88.1 67.8 101.8

115 44.6 25.3 37.9#





#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.33 min Scan# 860

Delta R.T. 0.00 min

Lab File: BM003764.D

Acq: 24 Dec 2015 05:17

Instrument :

BNA_M

ClientSampleId :

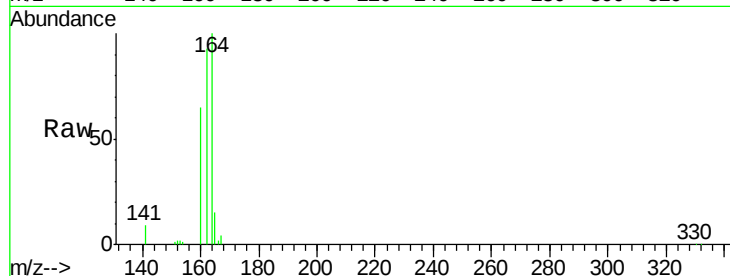
Tot Ion:164 Resp: 148196

Ion Ratio Lower Upper

164 100

162 92.5 86.0 129.0

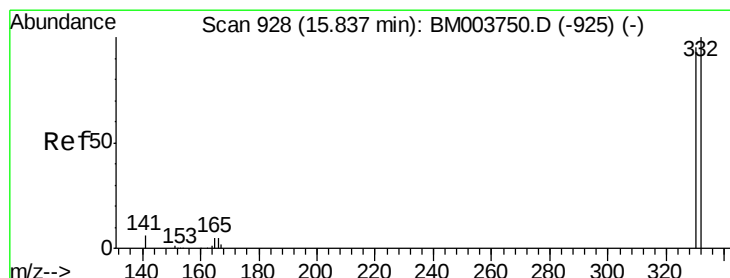
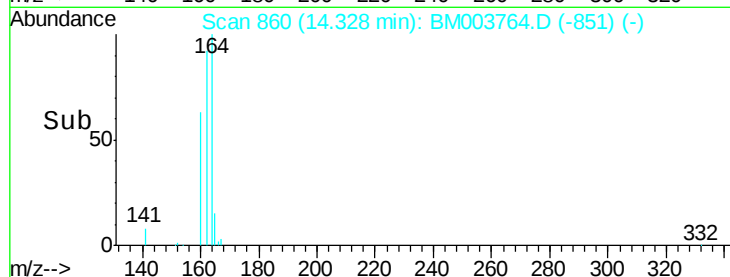
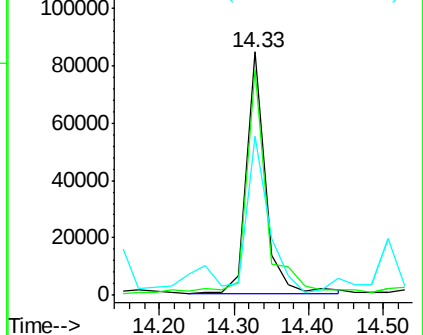
160 65.4 40.3 60.5#



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



#14

2,4,6-Tribromophenol

Concen: 7.63 ng

RT: 15.84 min Scan# 928

Delta R.T. 0.00 min

Lab File: BM003764.D

Acq: 24 Dec 2015 05:17

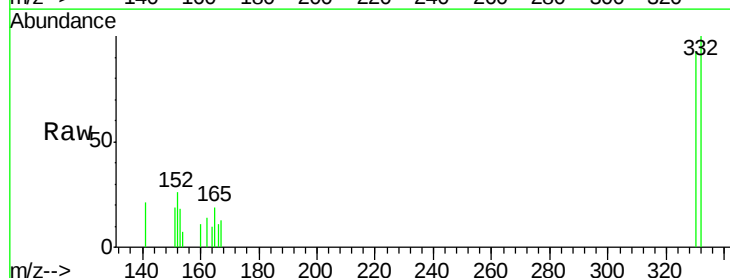
Tgt Ion:330 Resp: 31821

Ion Ratio Lower Upper

330 100

332 99.0 79.0 118.4

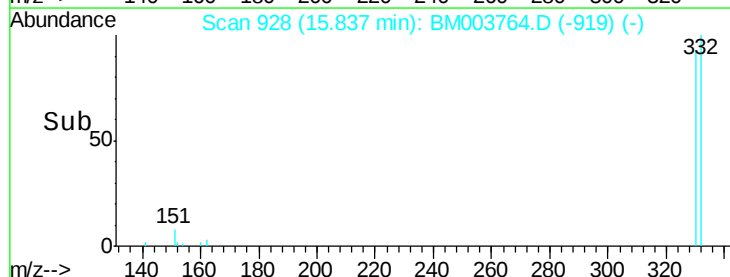
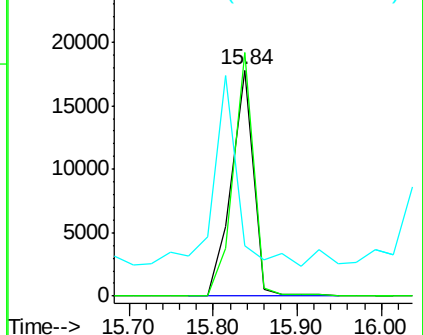
141 0.0 0.0 0.0

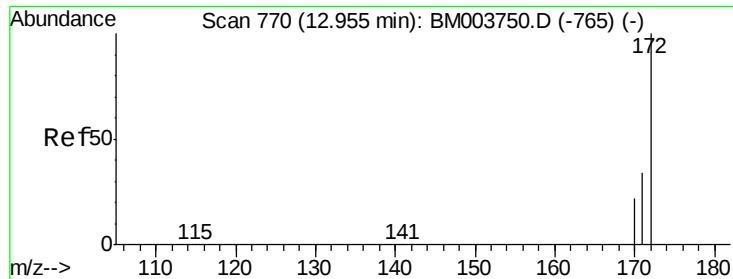


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

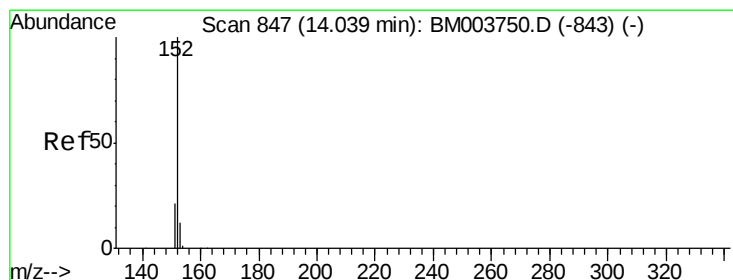
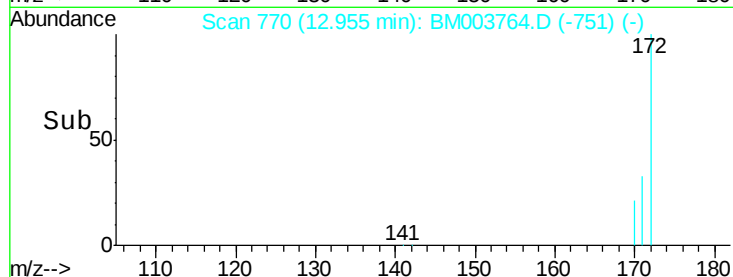
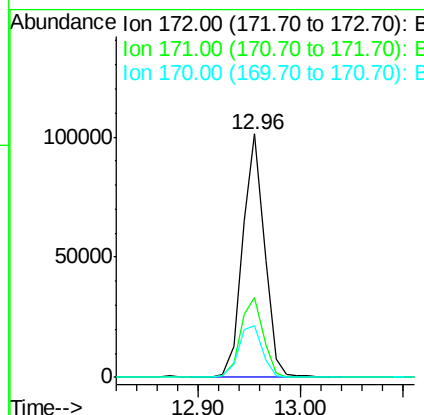
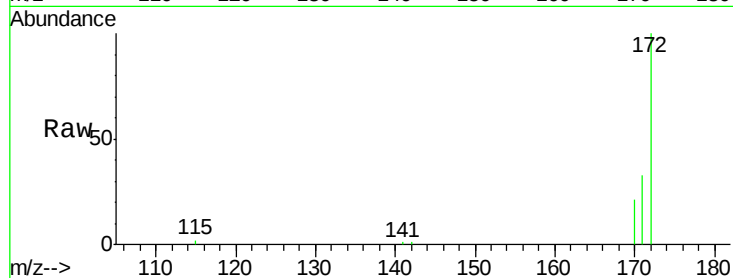




#15
2-Fluorobiphenyl
Concen: 3.44 ng
RT: 12.96 min Scan# 770
Delta R.T. 0.00 min
Lab File: BM003764.D
Acq: 24 Dec 2015 05:17

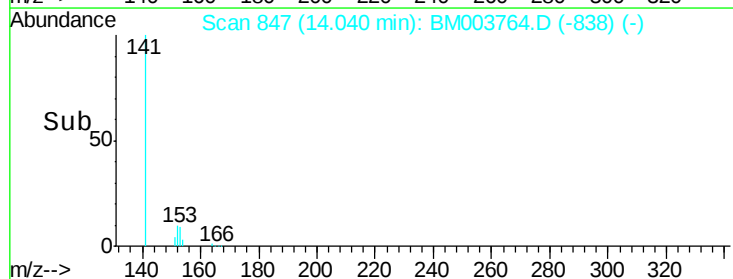
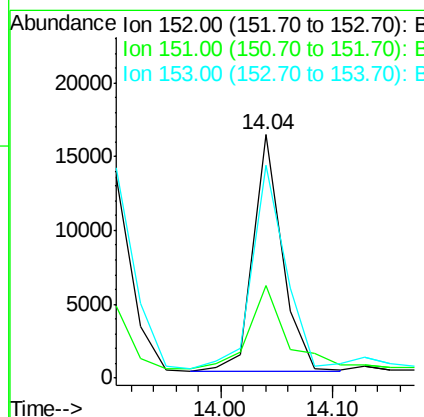
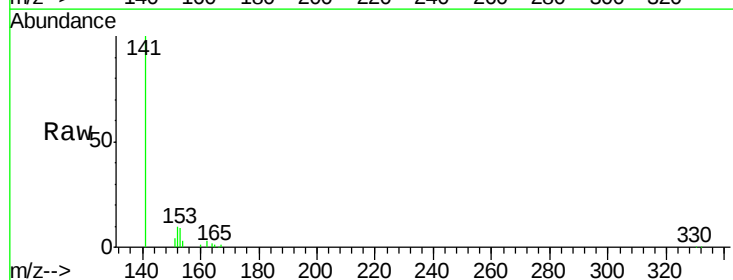
Instrument :
BNA_M
ClientSampleId :

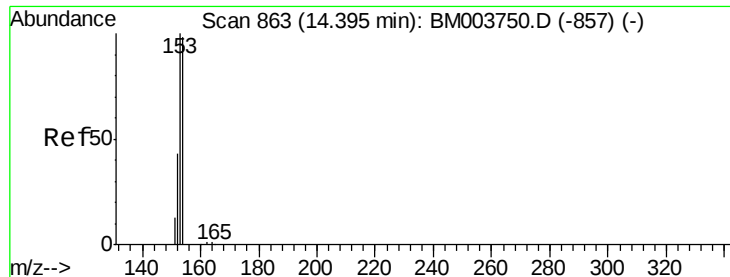
Tot Ion:172 Resp: 148816
Ion Ratio Lower Upper
172 100
171 33.0 27.0 40.6
170 21.0 17.9 26.9



#16
Acenaphthylene
Concen: 0.45 ng
RT: 14.04 min Scan# 847
Delta R.T. 0.00 min
Lab File: BM003764.D
Acq: 24 Dec 2015 05:17

Tgt Ion:152 Resp: 29146
Ion Ratio Lower Upper
152 100
151 46.3 15.8 23.8#
153 98.0 10.2 15.4#





#17

Acenaphthene

Concen: 2.63 ng

RT: 14.39 min Scan# 863

Delta R.T. 0.00 min

Lab File: BM003764.D

Acq: 24 Dec 2015 05:17

Instrument :

BNA_M

ClientSampleId :

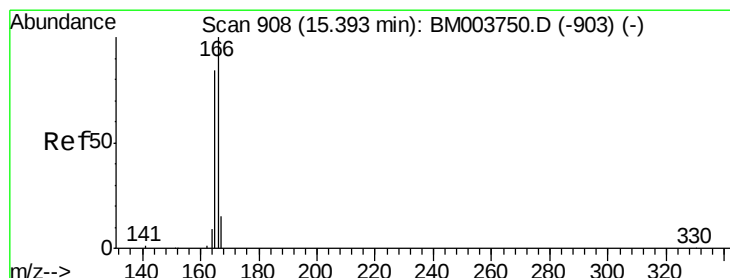
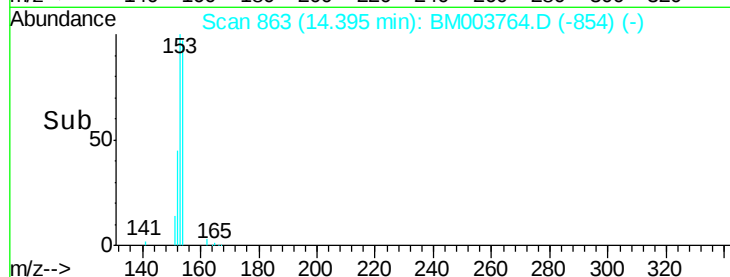
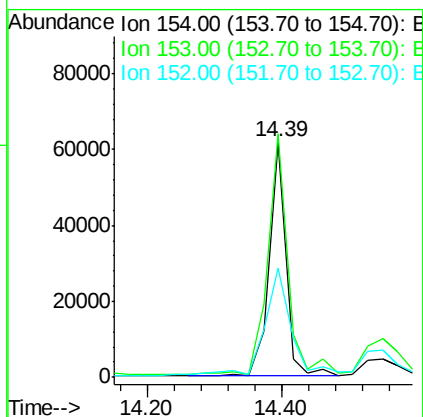
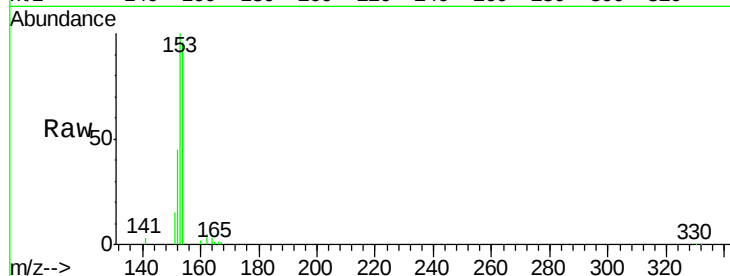
Tot Ion:154 Resp: 108265

Ion Ratio Lower Upper

154 100

153 123.3 85.4 128.2

152 69.2 40.6 60.8#



#18

Fluorene

Concen: 3.39 ng

RT: 15.39 min Scan# 908

Delta R.T. 0.00 min

Lab File: BM003764.D

Acq: 24 Dec 2015 05:17

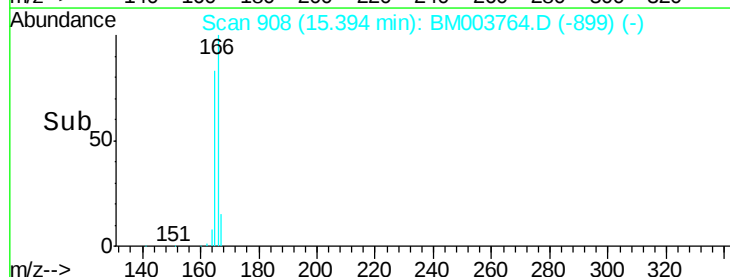
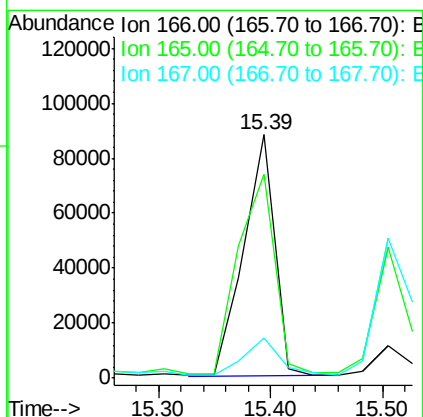
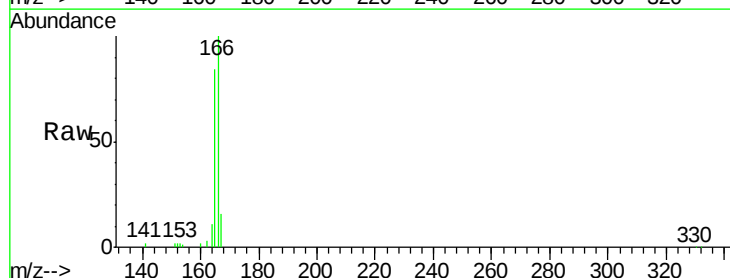
Tgt Ion:166 Resp: 167671

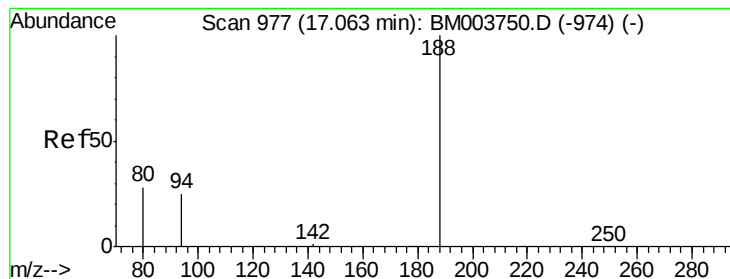
Ion Ratio Lower Upper

166 100

165 105.0 77.2 115.8

167 18.0 11.0 16.6#





#19

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.09 min Scan# 978

Delta R.T. 0.03 min

Lab File: BM003764.D

Acq: 24 Dec 2015 05:17

Instrument :

BNA_M

ClientSampleId :

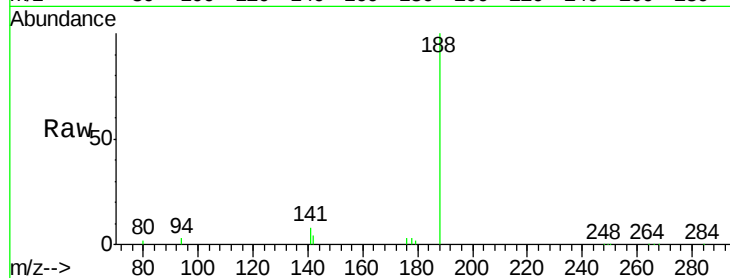
Tot Ion:188 Resp: 204887

Ion Ratio Lower Upper

188 100

94 3.2 20.3 30.5#

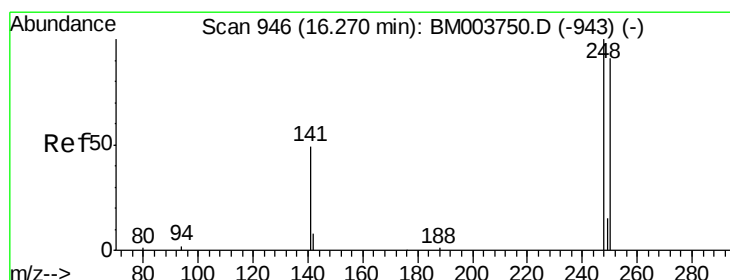
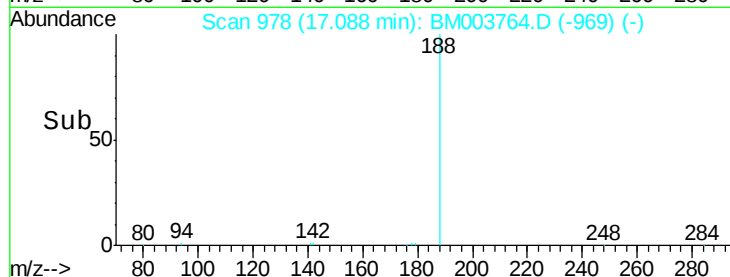
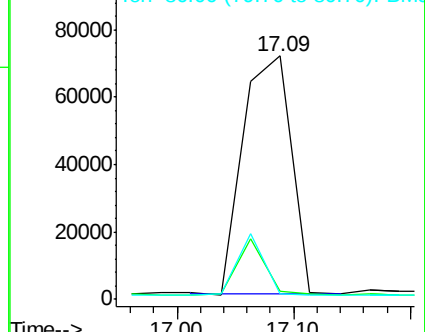
80 2.5 22.2 33.4#



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



#20

4-Bromophenyl-phenylether

Concen: Below Cal

RT: 16.32 min Scan# 948

Delta R.T. 0.05 min

Lab File: BM003764.D

Acq: 24 Dec 2015 05:17

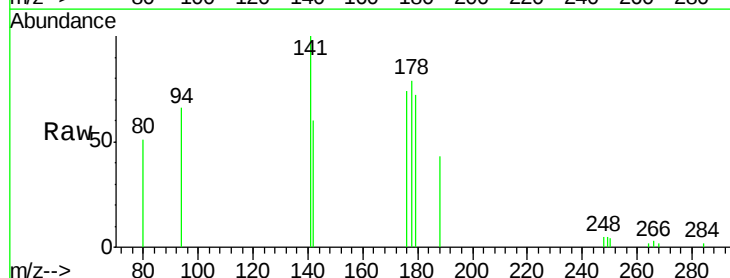
Tgt Ion:248 Resp: 67

Ion Ratio Lower Upper

248 100

250 0.0 75.0 112.4#

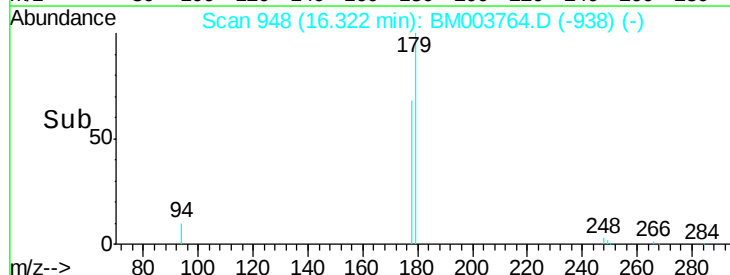
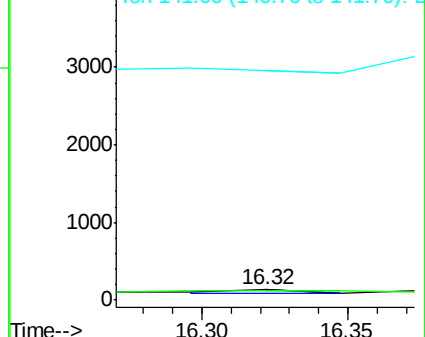
141 0.0 53.0 79.4#

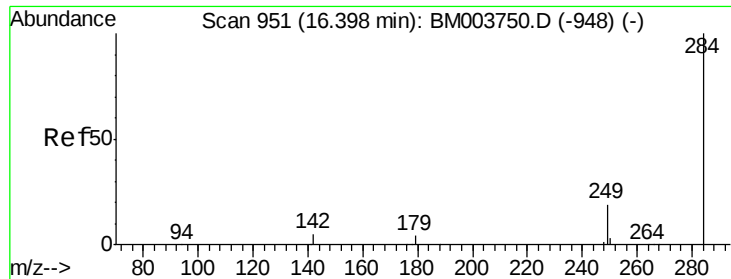


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

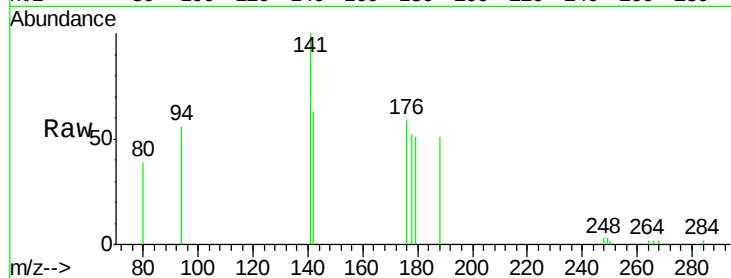




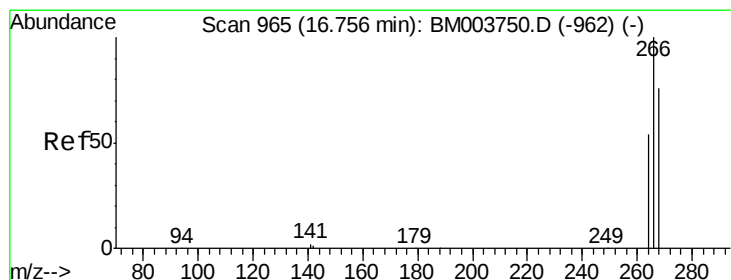
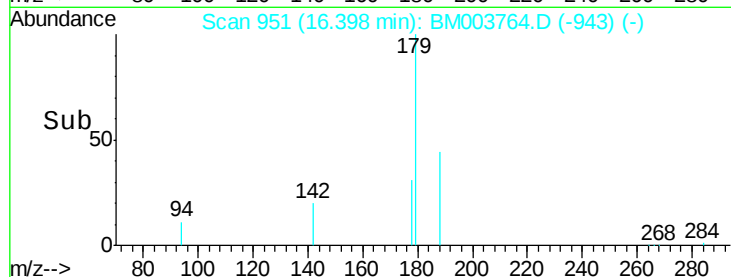
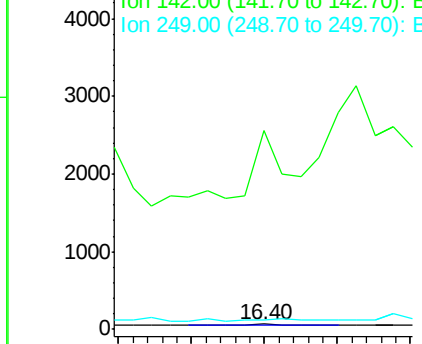
#21
Hexachlorobenzene
Concen: Below Cal
RT: 16.40 min Scan# 951
Delta R.T. 0.00 min
Lab File: BM003764.D
Acq: 24 Dec 2015 05:17

Instrument :
BNA_M
ClientSampled :

Tot Ion:284 Resp: 32
Ion Ratio Lower Upper
284 100
142 7187.5 0.0 0.0#
249 0.0 21.5 32.3#

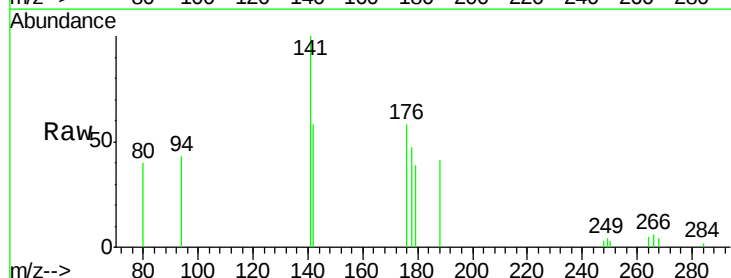


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

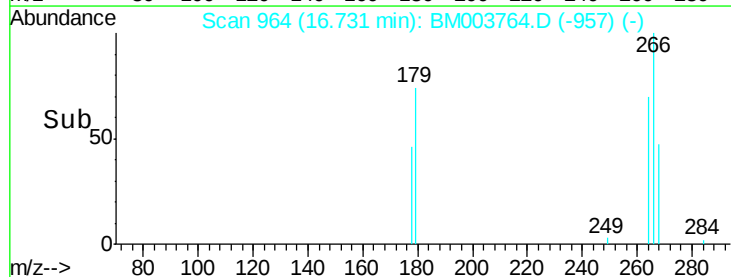
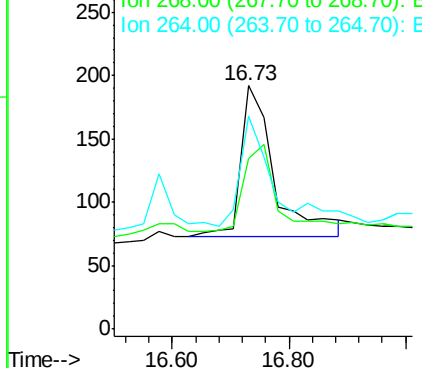


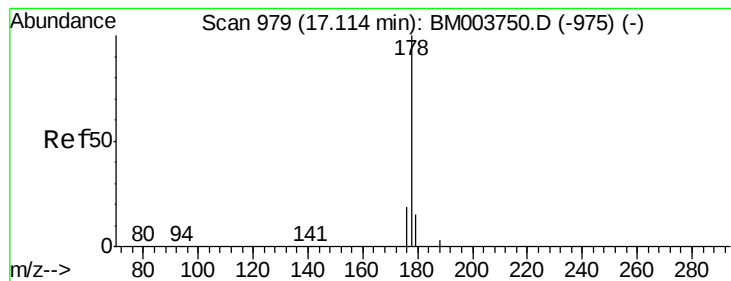
#22
Pentachlorophenol
Concen: 0.54 ng
RT: 16.73 min Scan# 964
Delta R.T. -0.02 min
Lab File: BM003764.D
Acq: 24 Dec 2015 05:17

Tgt Ion:266 Resp: 475
Ion Ratio Lower Upper
266 100
268 70.3 62.7 94.1
264 87.5 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





#23

Phenanthrene

Concen: 1.06 ng

RT: 17.11 min Scan# 979

Delta R.T. 0.00 min

Lab File: BM003764.D

Acq: 24 Dec 2015 05:17

Instrument :

BNA_M

ClientSampleId :

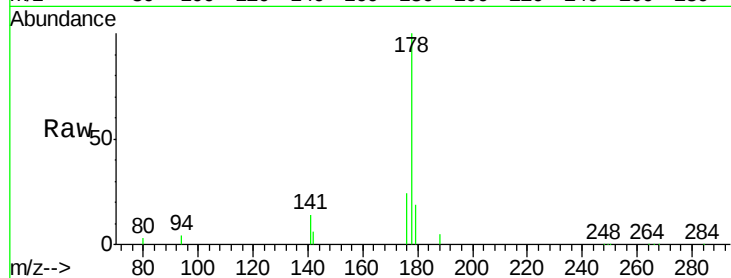
Tot Ion:178 Resp: 69069

Ion Ratio Lower Upper

178 100

176 20.0 15.4 23.0

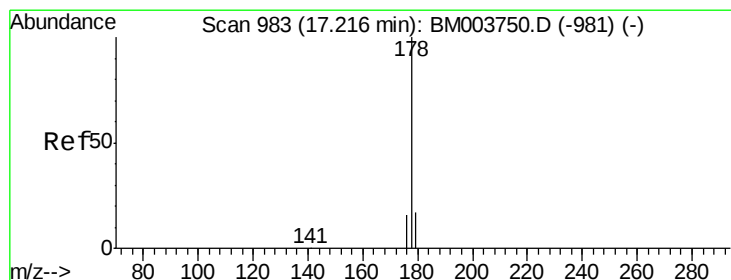
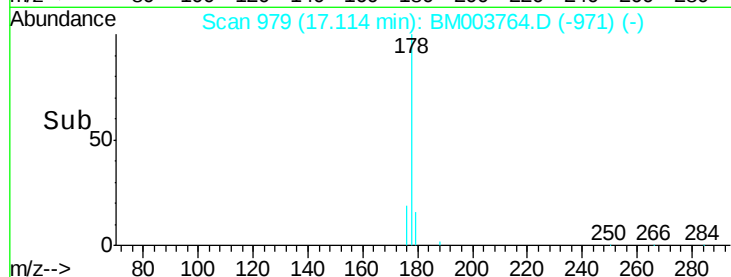
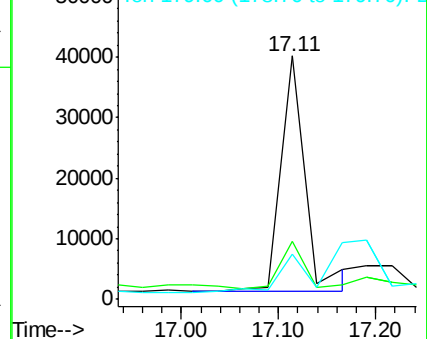
179 0.0 12.2 18.4#



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



#24

Anthracene

Concen: 0.33 ng

RT: 17.19 min Scan# 982

Delta R.T. -0.03 min

Lab File: BM003764.D

Acq: 24 Dec 2015 05:17

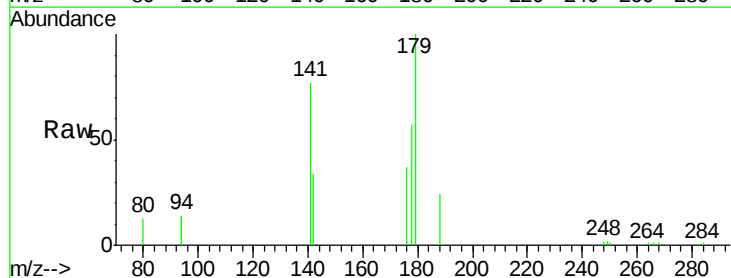
Tgt Ion:178 Resp: 16030

Ion Ratio Lower Upper

178 100

176 39.3 14.6 21.8#

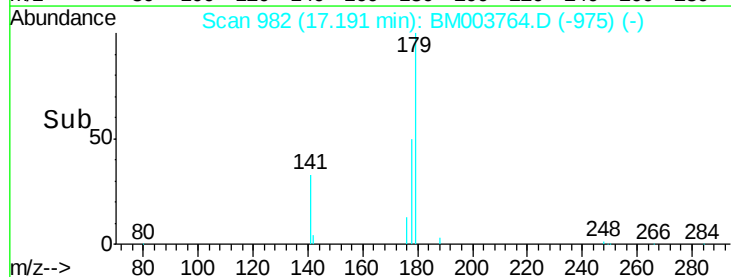
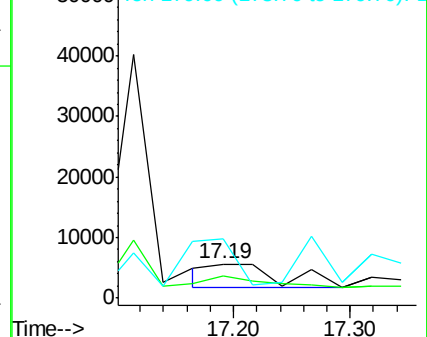
179 218.6 12.6 19.0#

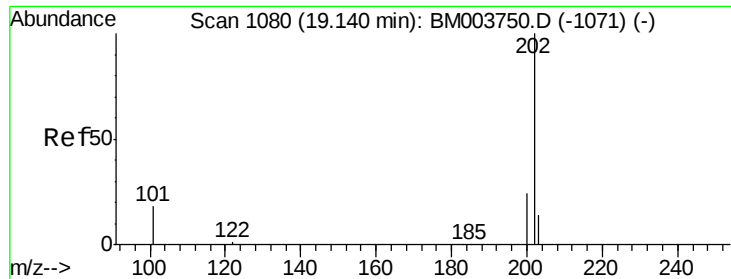


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene

Concen: 0.20 ng

RT: 19.14 min Scan# 1080

Delta R.T. 0.00 min

Lab File: BM003764.D

Acq: 24 Dec 2015 05:17

Instrument :

BNA_M

ClientSampled :

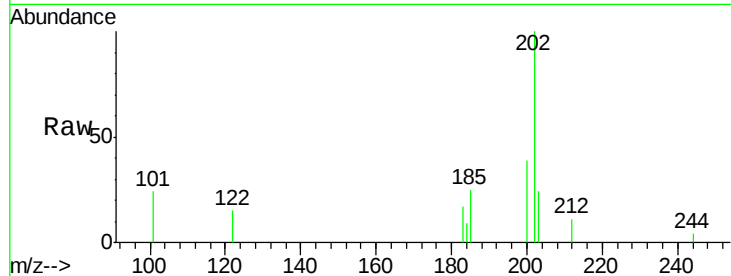
Tot Ion:202 Resp: 12496

Ion Ratio Lower Upper

202 100

101 12.0 9.7 14.5

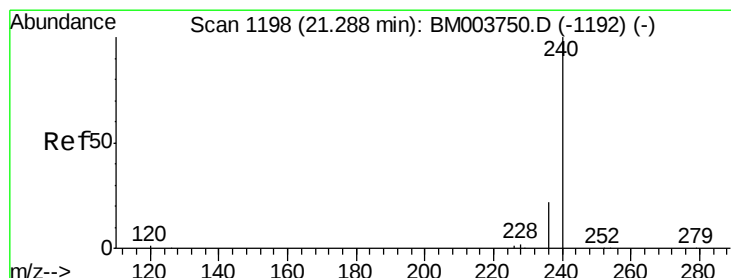
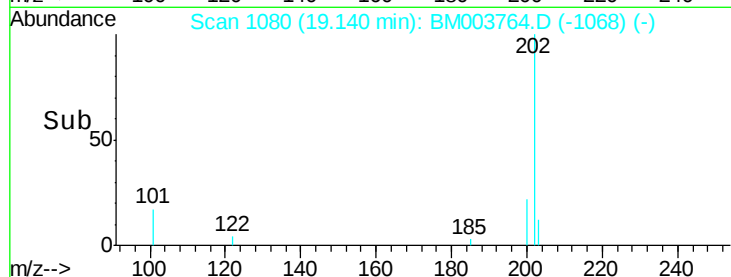
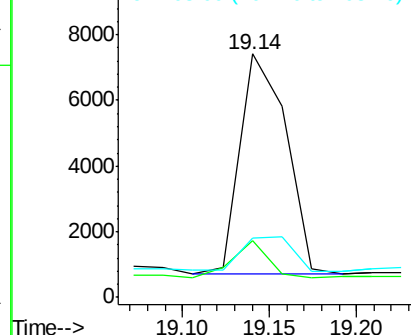
203 16.9 13.8 20.8



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: BM003764.D

Acq: 24 Dec 2015 05:17

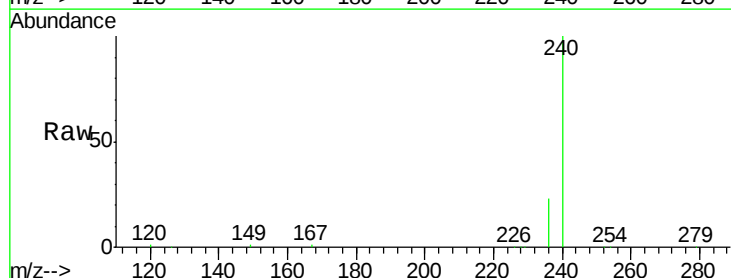
Tgt Ion:240 Resp: 218354

Ion Ratio Lower Upper

240 100

120 1.5 0.9 1.3#

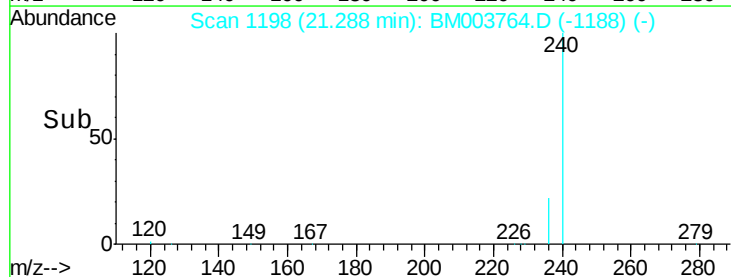
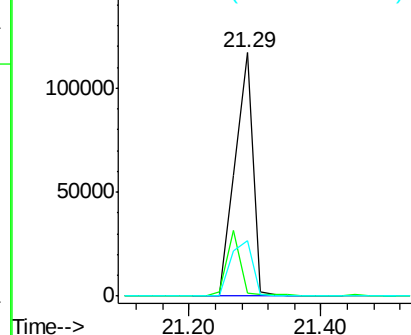
236 22.6 17.3 25.9

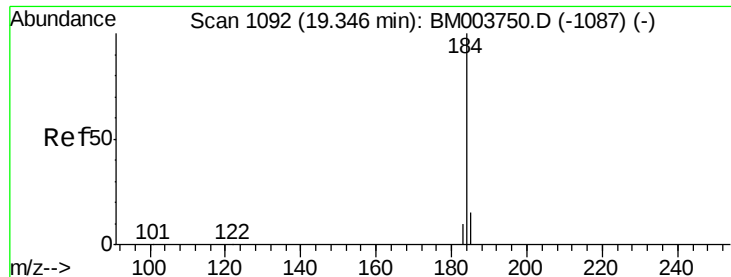


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#27

Benzidine

Concen: 0.61 ng

RT: 19.40 min Scan# 1095

Delta R.T. 0.05 min

Lab File: BM003764.D

Acq: 24 Dec 2015 05:17

Instrument :

BNA_M

ClientSampled :

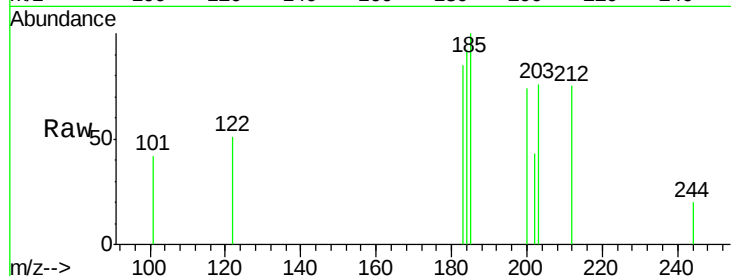
Tot Ion:184 Resp: 2705

Ion Ratio Lower Upper

184 100

185 108.1 13.2 19.8#

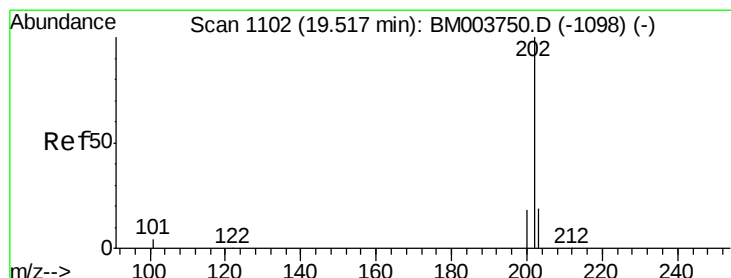
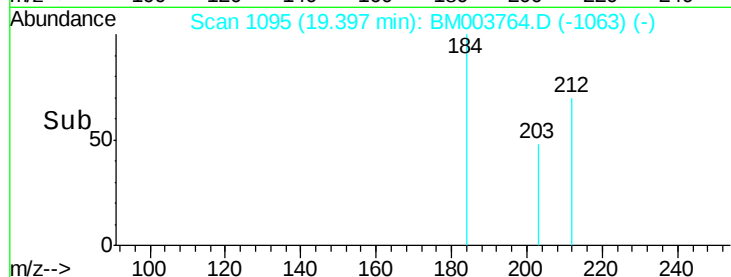
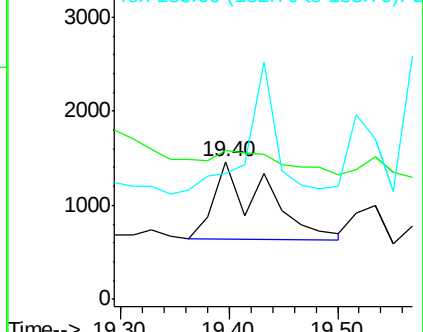
183 91.7 9.0 13.6#



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



#28

Pyrene

Concen: 0.12 ng

RT: 19.52 min Scan# 1102

Delta R.T. 0.00 min

Lab File: BM003764.D

Acq: 24 Dec 2015 05:17

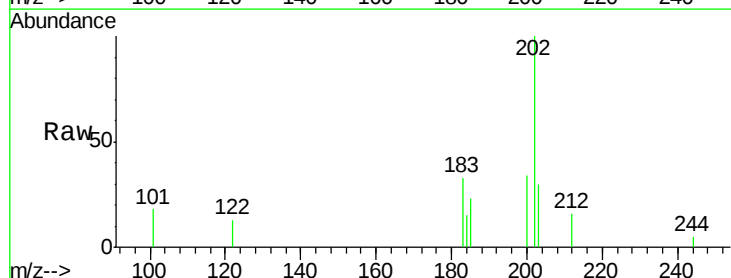
Tgt Ion:202 Resp: 8845

Ion Ratio Lower Upper

202 100

200 29.0 16.6 24.8#

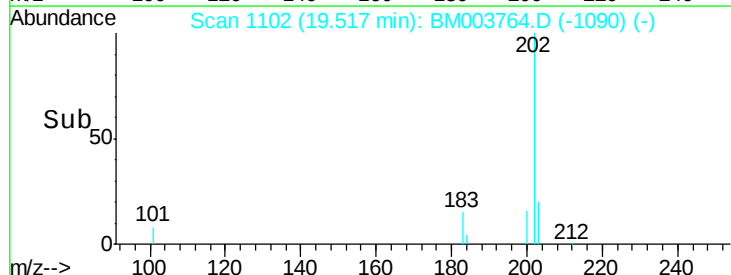
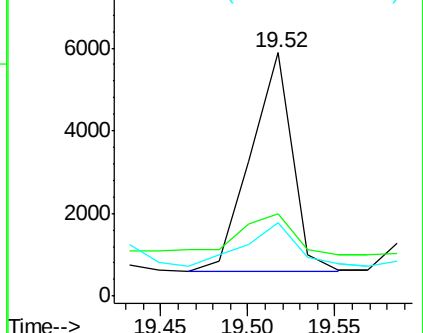
203 25.9 14.0 21.0#

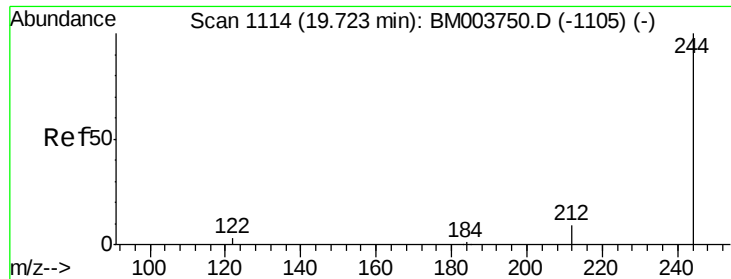


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 4.34 ng

RT: 19.72 min Scan# 1114

Delta R.T. 0.00 min

Lab File: BM003764.D

Acq: 24 Dec 2015 05:17

Instrument :

BNA_M

ClientSampleId :

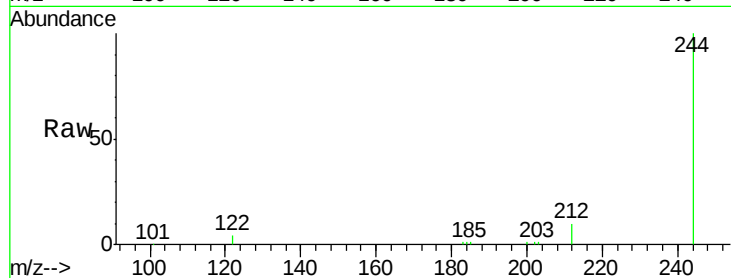
Tot Ion:244 Resp: 150049

Ion Ratio Lower Upper

244 100

212 10.3 7.0 10.6

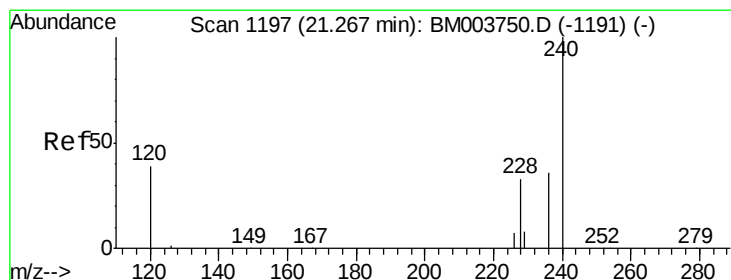
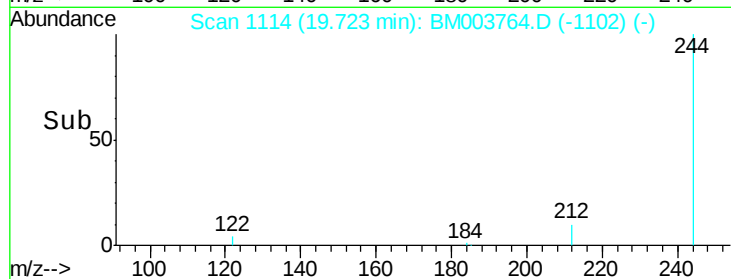
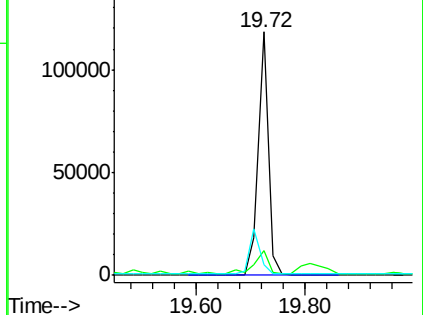
122 4.2 3.0 4.6



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: 0.04 ng

RT: 21.27 min Scan# 1197

Delta R.T. 0.00 min

Lab File: BM003764.D

Acq: 24 Dec 2015 05:17

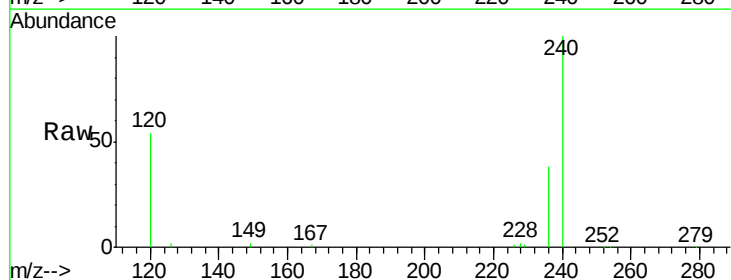
Tgt Ion:228 Resp: 2801

Ion Ratio Lower Upper

228 100

226 37.2 17.2 25.8#

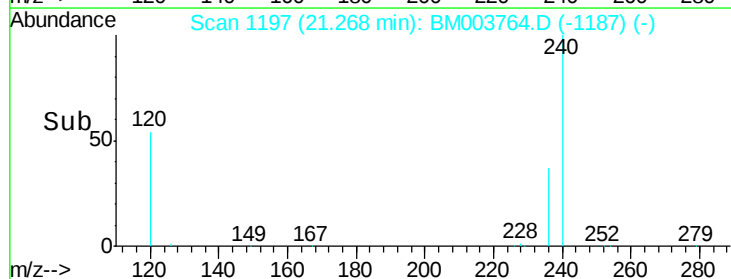
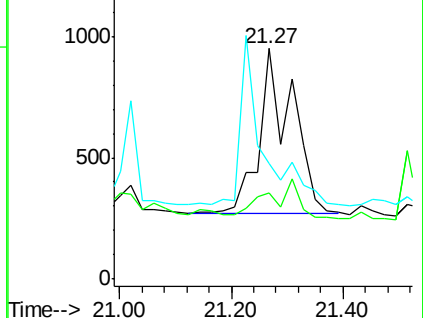
229 49.9 18.7 28.1#

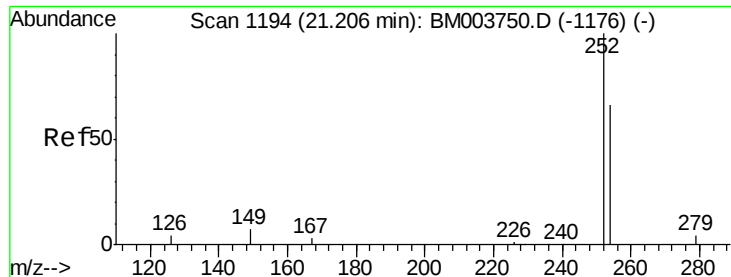


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

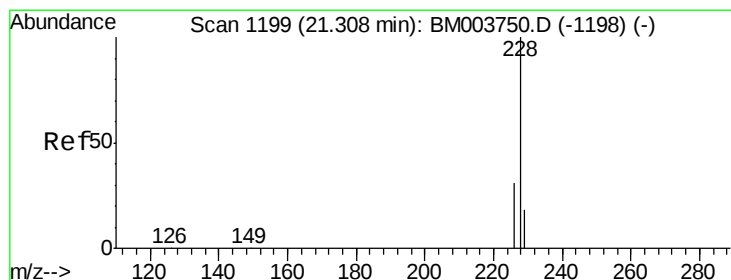
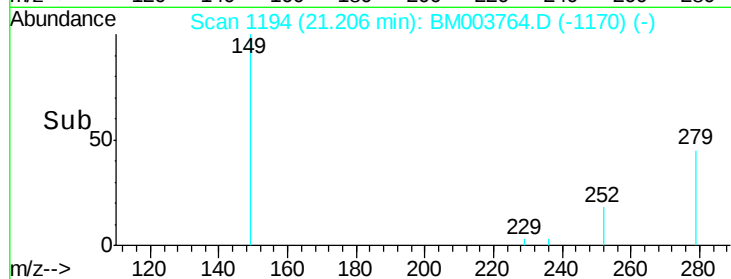
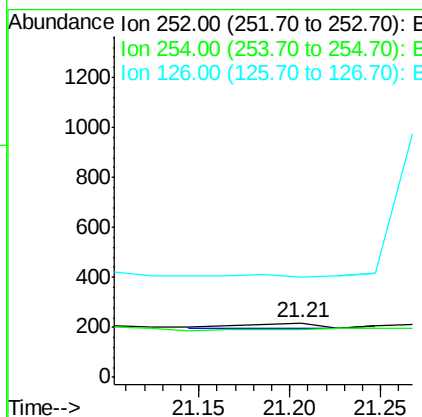
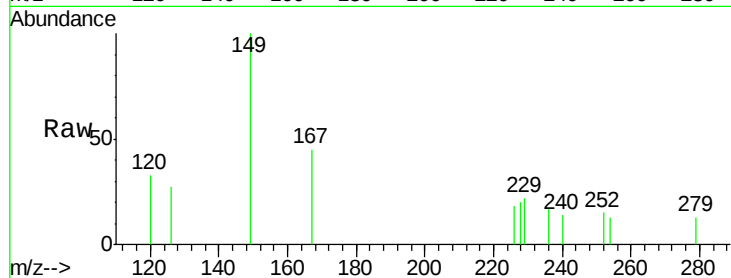




#31
 3,3'-Dichlorobenzidine
 Concen: 0.30 ng
 RT: 21.21 min Scan# 1194
 Delta R.T. 0.00 min
 Lab File: BM003764.D
 Acq: 24 Dec 2015 05:17

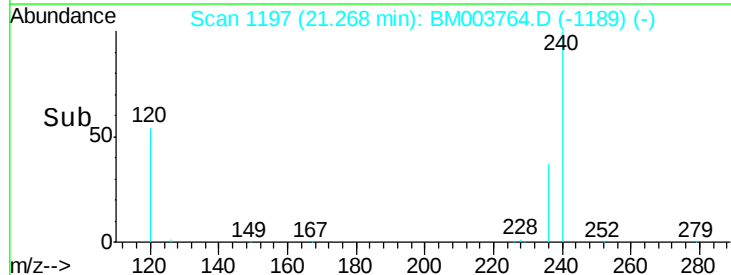
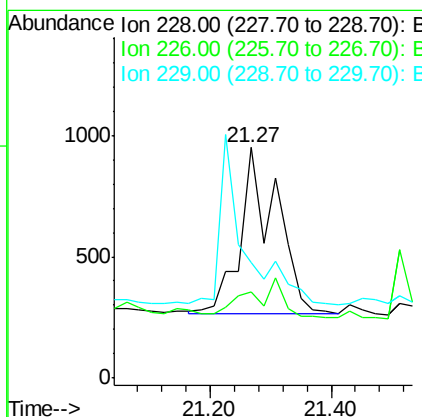
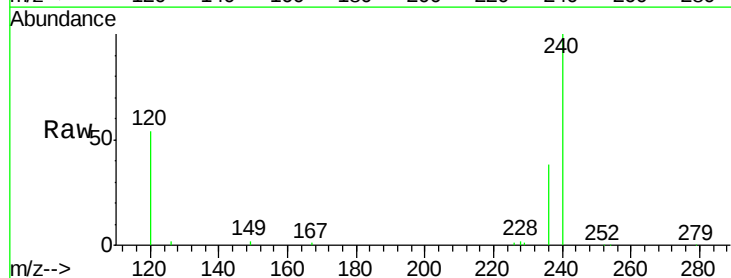
Instrument :
 BNA_M
 ClientSampleId :

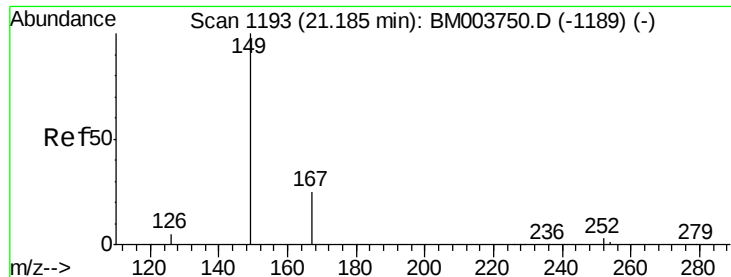
Tot Ion:252 Resp: 55
 Ion Ratio Lower Upper
 252 100
 254 88.5 52.6 79.0#
 126 183.0 3.7 5.5#



#32
 Chrysene
 Concen: 0.04 ng
 RT: 21.27 min Scan# 1197
 Delta R.T. -0.04 min
 Lab File: BM003764.D
 Acq: 24 Dec 2015 05:17

Tgt Ion:228 Resp: 2800
 Ion Ratio Lower Upper
 228 100
 226 37.2 25.3 37.9
 229 49.9 14.5 21.7#





#33

Bis(2-ethylhexyl)phthalate

Concen: 0.30 ng

RT: 21.19 min Scan# 1193

Delta R.T. 0.00 min

Lab File: BM003764.D

Acq: 24 Dec 2015 05:17

Instrument :

BNA_M

ClientSampled :

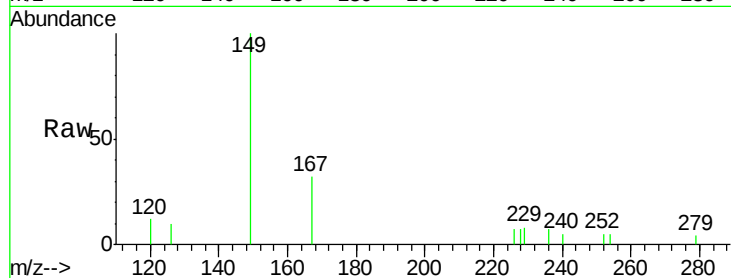
Tot Ion:149 Resp: 3699

Ion Ratio Lower Upper

149 100

167 26.9 20.1 30.1

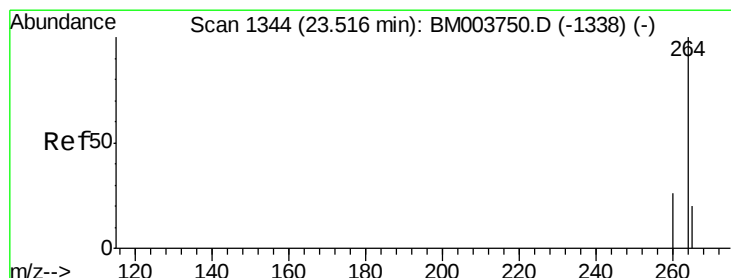
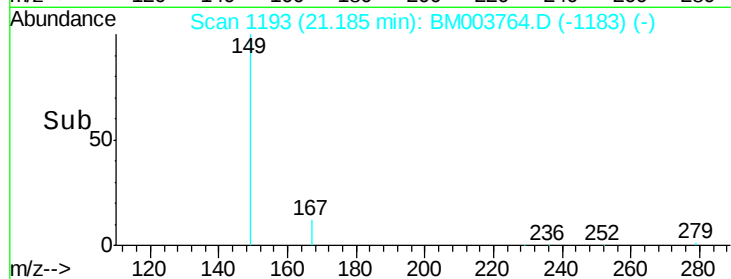
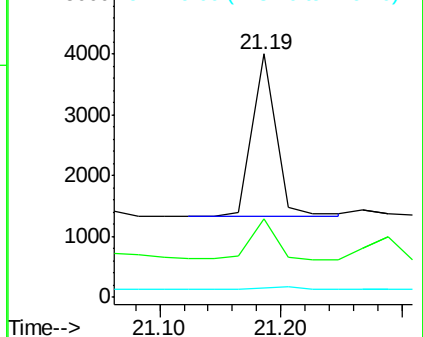
279 0.0 0.0 0.0



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: 23.52 min Scan# 1345

Delta R.T. 0.00 min

Lab File: BM003764.D

Acq: 24 Dec 2015 05:17

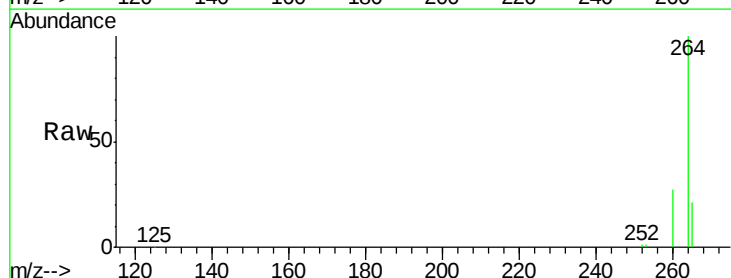
Tgt Ion:264 Resp: 205558

Ion Ratio Lower Upper

264 100

260 26.6 21.2 31.8

265 21.1 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

