

Data Path : Z:\HPCHEM1\BNA M\DATA\BM122415\
 Data File : BM003766.D
 Acq On : 24 Dec 2015 06:30
 Operator : UM/SJ
 Sample : PB87480BL
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Dec 24 14:57:04 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	38879	5.00	ng	0.00
7) Naphthalene-d8	10.48	136	162204	5.00	ng	0.00
13) Acenaphthene-d10	14.33	164	95512	5.00	ng	0.00
19) Phenanthrene-d10	17.09	188	186878	5.00	ng	0.03
26) Chrysene-d12	21.29	240	213894	5.00	ng	0.00
35) Perylene-d12	23.53	264	187099	5.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.27	112	60027	6.53	ng	0.00
5) Phenol-d6	6.87	99	73776	6.56	ng	0.00
8) Nitrobenzene-d5	8.85	82	30635	3.56	ng	0.00
14) 2,4,6-Tribromophenol	15.84	330	18718	6.26	ng	0.00
15) 2-Fluorobiphenyl	12.95	172	106314	3.64	ng	0.00
29) Terphenyl-d14	19.72	244	131822	3.88	ng	0.00

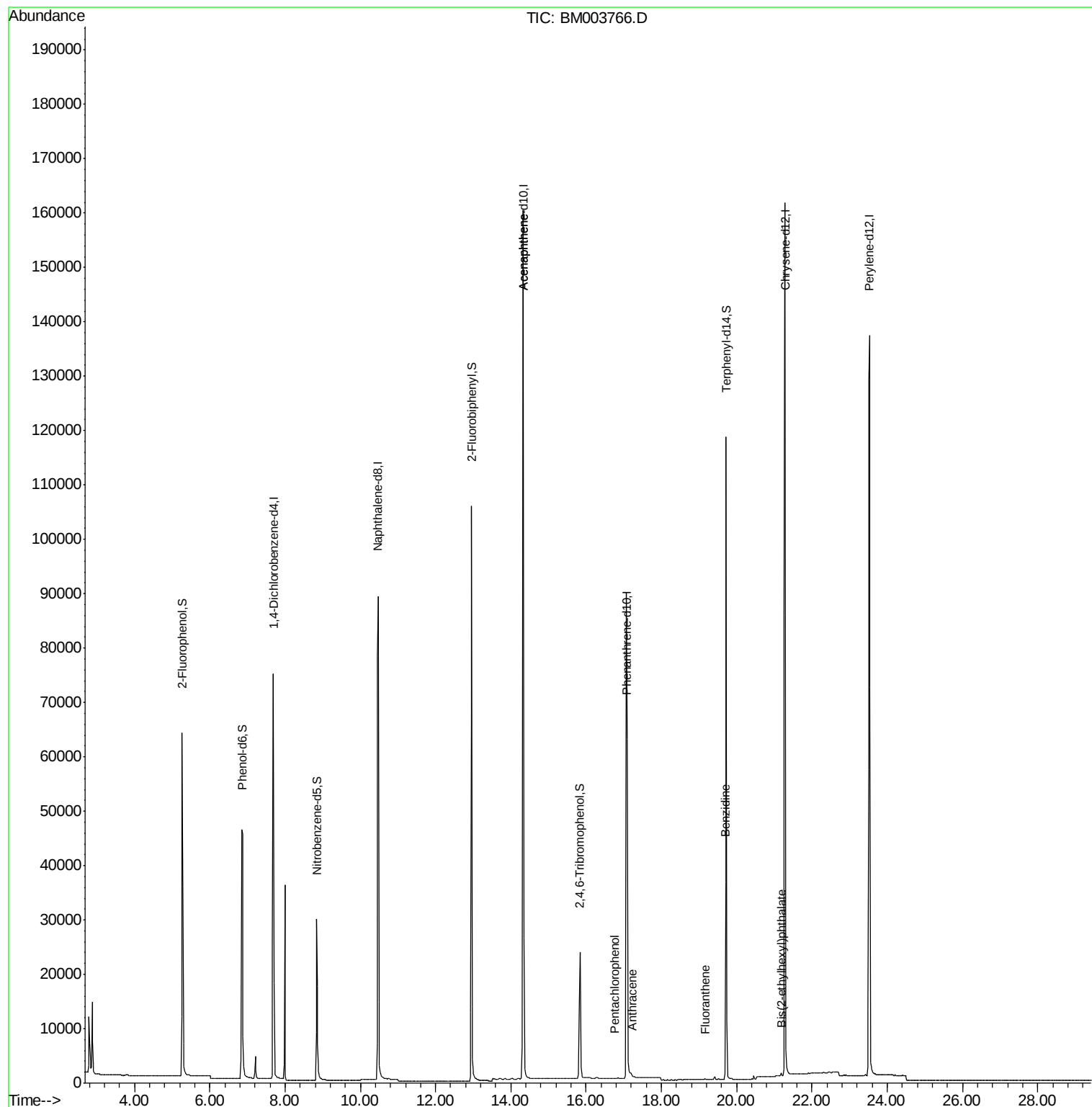
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
17) Acenaphthene	14.33	154	425	0.04	ng	# 11
18) Fluorene	15.39	166	45	Below	Cal	# 95
20) 4-Bromophenyl-phenylether	16.27	248	9	Below	Cal	# 44
21) Hexachlorobenzene	16.40	284	17	Below	Cal	# 95
22) Pentachlorophenol	16.76	266	23	0.38	ng	# 66
23) Phenanthrene	17.11	178	299	Below	Cal	# 76
24) Anthracene	17.22	178	113	0.06	ng	# 80
25) Fluoranthene	19.16	202	269	0.10	ng	# 91
27) Benzidine	19.71	184	2840	0.34	ng	# 93
28) Pyrene	19.52	202	257	Below	Cal	# 88
32) Chrysene	21.27	228	1266	Below	Cal	# 83
33) Bis(2-ethylhexyl)phthalate	21.19	149	765	0.21	ng	# 97

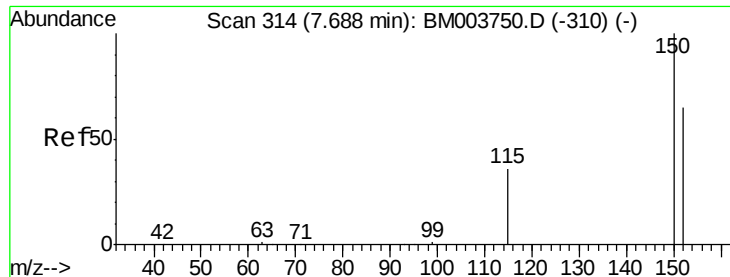
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA M\DATA\BM122415\
Data File : BM003766.D
Acq On : 24 Dec 2015 06:30
Operator : UM/SJ
Sample : PB87480BL
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :

Quant Time: Dec 24 14:57:04 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



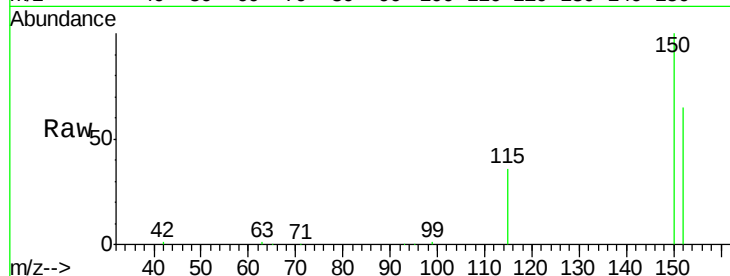


#1

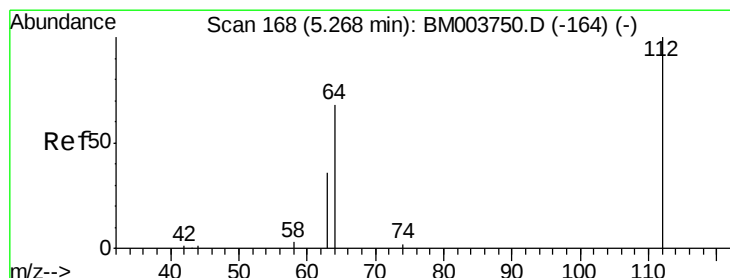
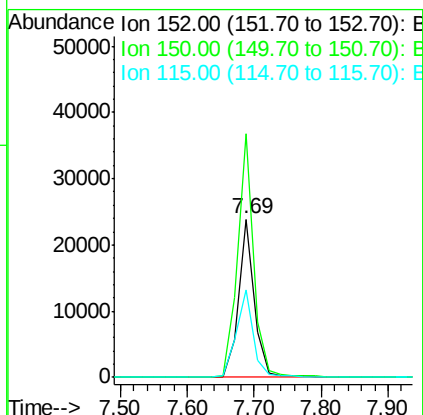
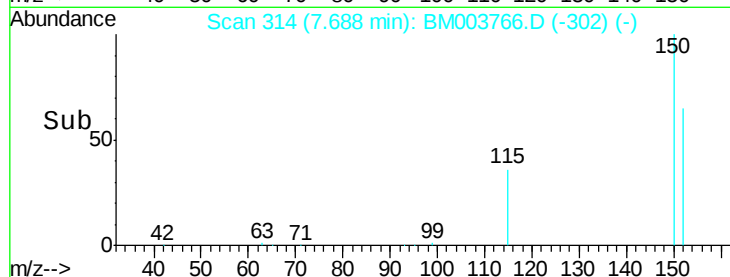
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.69 min Scan# 314
Delta R.T. -0.00 min
Lab File: BM003766.D
Acq: 24 Dec 2015 06:30

Instrument :
BNA_M
ClientSampled :

Tot Ion:152 Resp: 38879
Ion Ratio Lower Upper
152 100
150 153.7 122.9 184.3
115 55.4 44.4 66.6



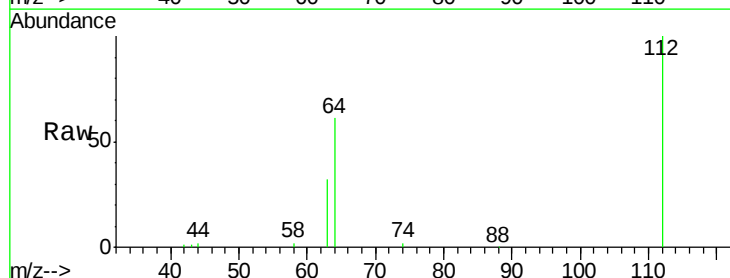
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



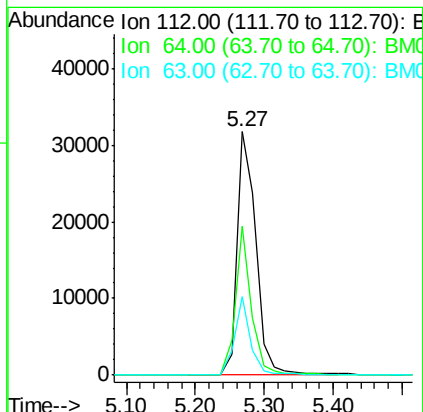
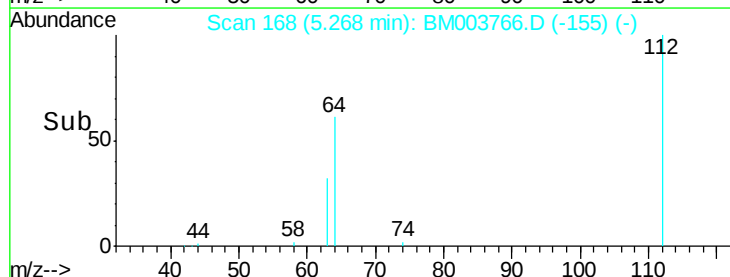
#4

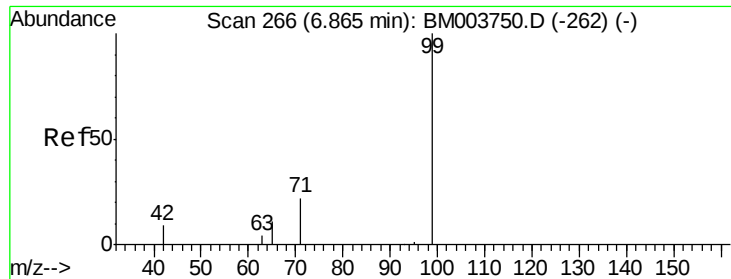
2-Fluorophenol
Concen: 6.53 ng
RT: 5.27 min Scan# 168
Delta R.T. -0.00 min
Lab File: BM003766.D
Acq: 24 Dec 2015 06:30

Tgt Ion:112 Resp: 60027
Ion Ratio Lower Upper
112 100
64 51.8 41.8 62.8
63 27.3 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: 6.56 ng

RT: 6.87 min Scan# 266

Delta R.T. -0.00 min

Lab File: BM003766.D

Acq: 24 Dec 2015 06:30

Instrument :

BNA_M

ClientSampleId :

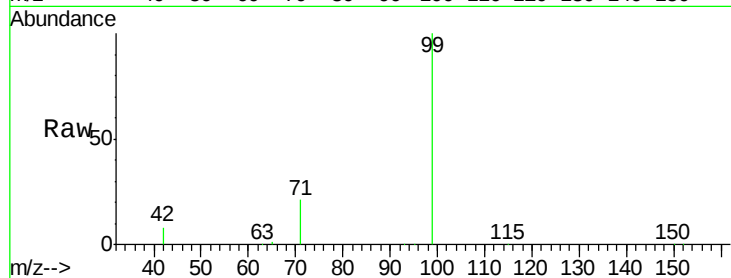
Tot Ion: 99 Resp: 73776

Ion Ratio Lower Upper

99 100

42 18.7 16.2 24.2

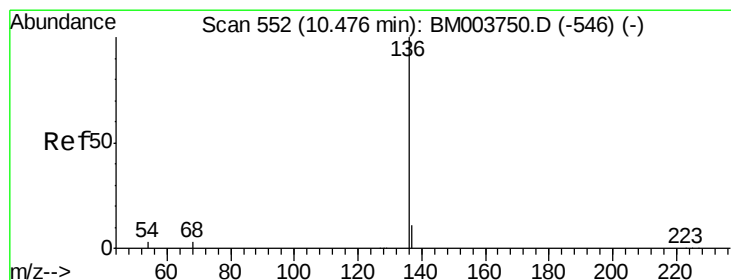
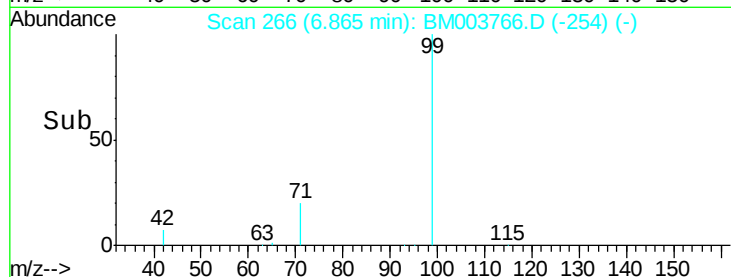
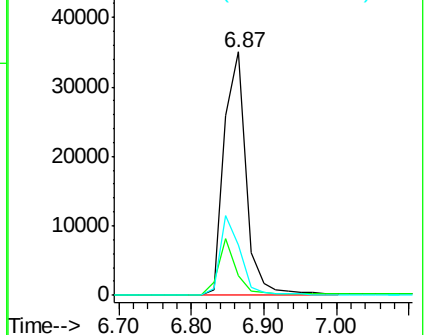
71 30.2 24.4 36.6



Abundance Ion 99.00 (98.70 to 99.70): BM003766.D (-254) (-)

Ion 42.00 (41.70 to 42.70): BM003766.D (-254) (-)

Ion 71.00 (70.70 to 71.70): BM003766.D (-254) (-)



#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.48 min Scan# 552

Delta R.T. -0.00 min

Lab File: BM003766.D

Acq: 24 Dec 2015 06:30

Tgt Ion: 136 Resp: 162204

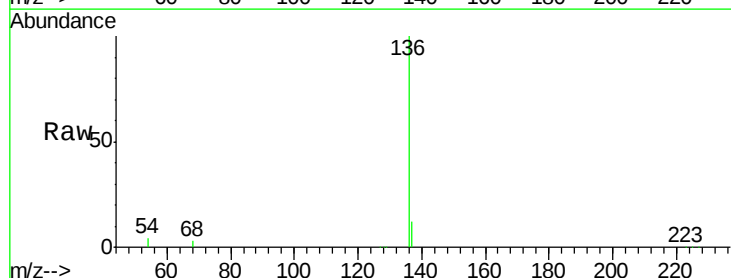
Ion Ratio Lower Upper

136 100

137 11.6 9.2 13.8

54 3.8 2.8 4.2

68 3.3 2.5 3.7

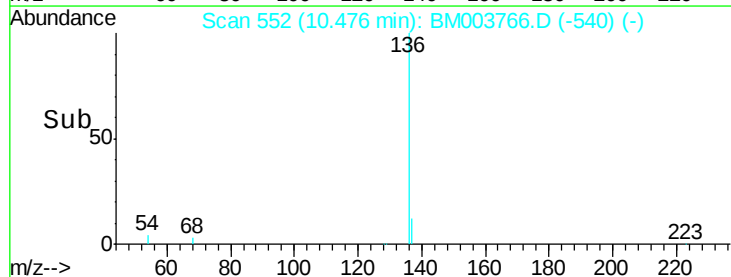
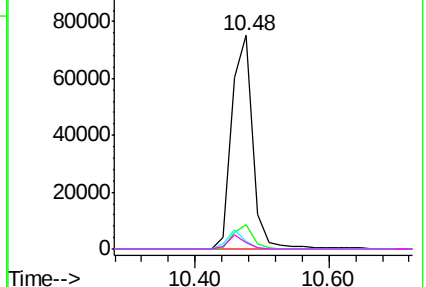


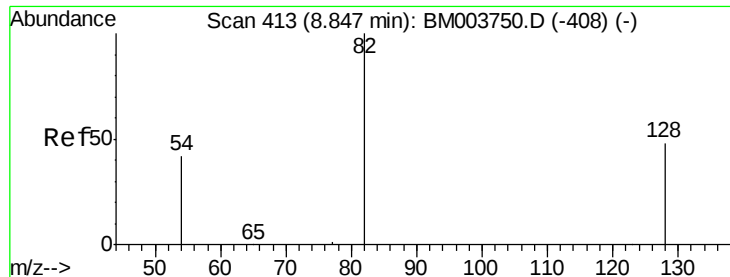
Abundance Ion 136.00 (135.70 to 136.70): BM003766.D (-540) (-)

Ion 137.00 (136.70 to 137.70): BM003766.D (-540) (-)

Ion 54.00 (53.70 to 54.70): BM003766.D (-540) (-)

Ion 68.00 (67.70 to 68.70): BM003766.D (-540) (-)





#8

Nitrobenzene-d5

Concen: 3.56 ng

RT: 8.85 min Scan# 413

Delta R.T. -0.00 min

Lab File: BM003766.D

Acq: 24 Dec 2015 06:30

Instrument :

BNA_M

ClientSampleId :

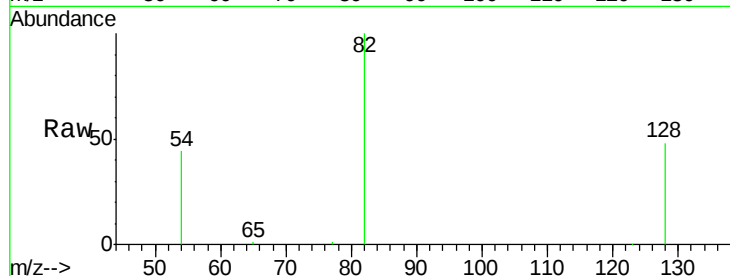
Tot Ion: 82 Resp: 30635

Ion Ratio Lower Upper

82 100

128 48.5 39.1 58.7

54 44.0 34.8 52.2

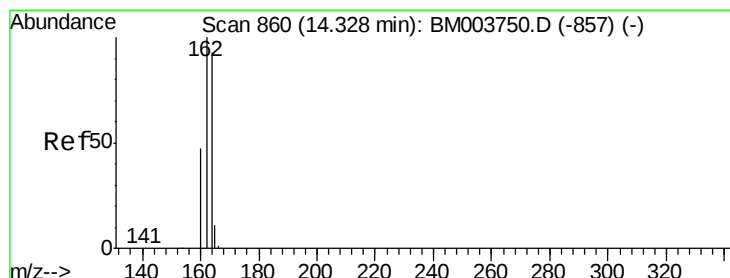
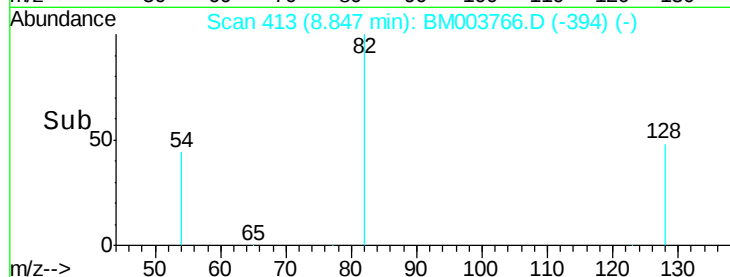


Abundance Ion 82.00 (81.70 to 82.70): BM003750.D (-408) (-)

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

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

Time-->



#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.33 min Scan# 860

Delta R.T. -0.00 min

Lab File: BM003766.D

Acq: 24 Dec 2015 06:30

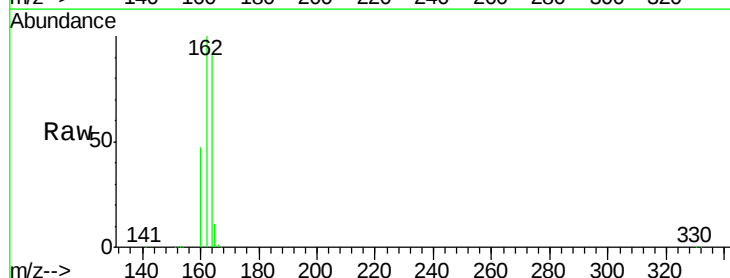
Tgt Ion: 164 Resp: 95512

Ion Ratio Lower Upper

164 100

162 108.6 86.0 129.0

160 51.6 40.3 60.5

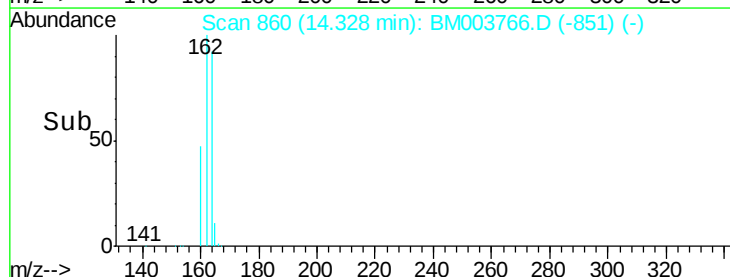


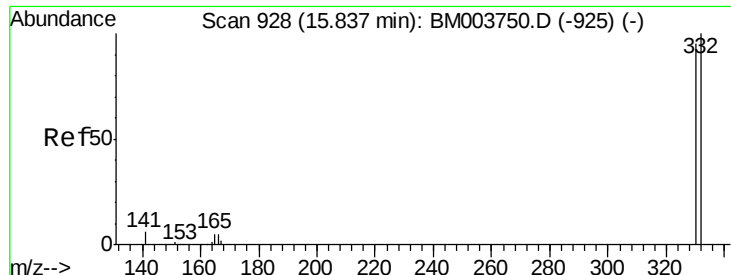
Abundance Ion 164.00 (163.70 to 164.70): BM003750.D (-857) (-)

Ion 162.00 (161.70 to 162.70): BM003750.D (-857) (-)

Ion 160.00 (159.70 to 160.70): BM003750.D (-857) (-)

Time-->

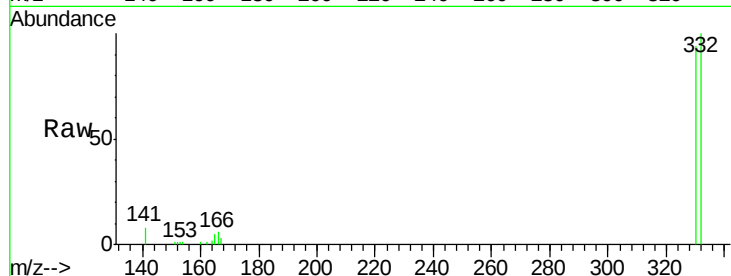




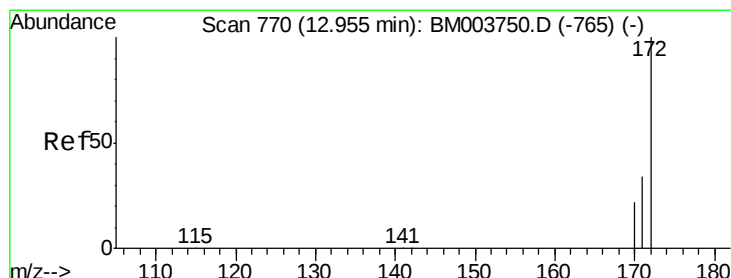
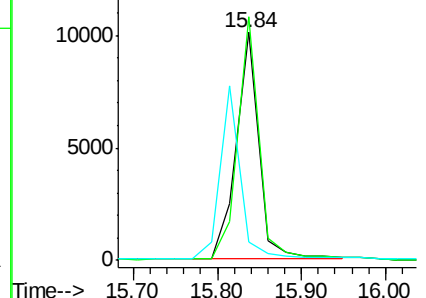
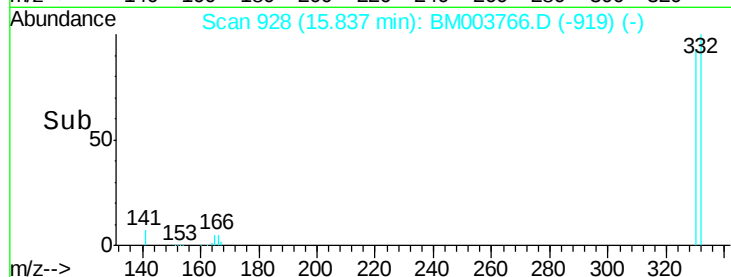
#14
 2,4,6-Tribromophenol
 Concen: 6.26 ng
 RT: 15.84 min Scan# 928
 Delta R.T. 0.00 min
 Lab File: BM003766.D
 Acq: 24 Dec 2015 06:30

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion:330 Resp: 18718
 Ion Ratio Lower Upper
 330 100
 332 100.2 79.0 118.4
 141 0.0 0.0 0.0

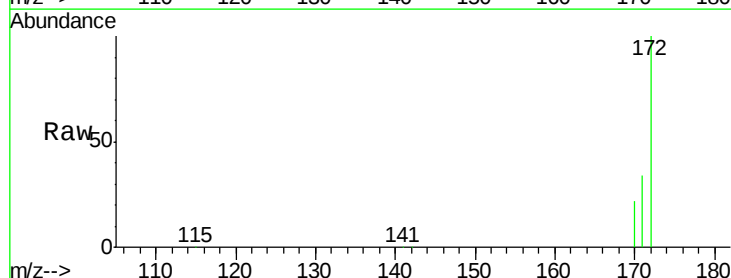


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

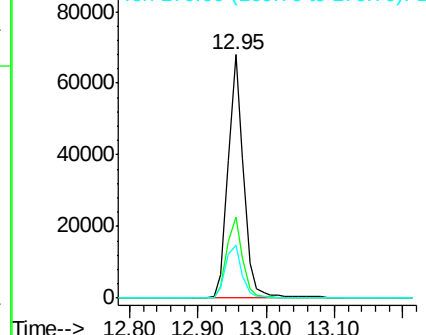
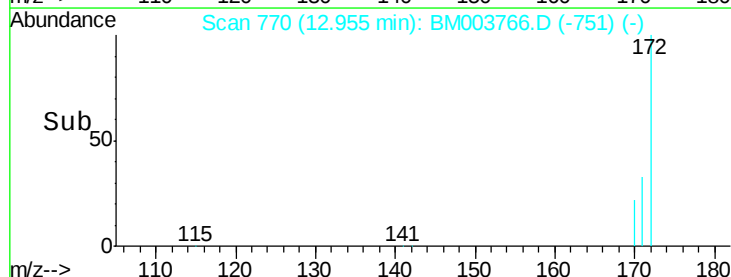


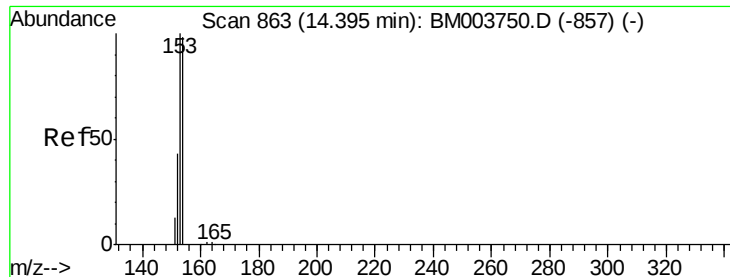
#15
 2-Fluorobiphenyl
 Concen: 3.64 ng
 RT: 12.95 min Scan# 770
 Delta R.T. -0.00 min
 Lab File: BM003766.D
 Acq: 24 Dec 2015 06:30

Tgt Ion:172 Resp: 106314
 Ion Ratio Lower Upper
 172 100
 171 33.5 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





#17

Acenaphthene

Concen: 0.04 ng

RT: 14.33 min Scan# 860

Delta R.T. -0.07 min

Lab File: BM003766.D

Acq: 24 Dec 2015 06:30

Instrument :

BNA_M

ClientSampleId :

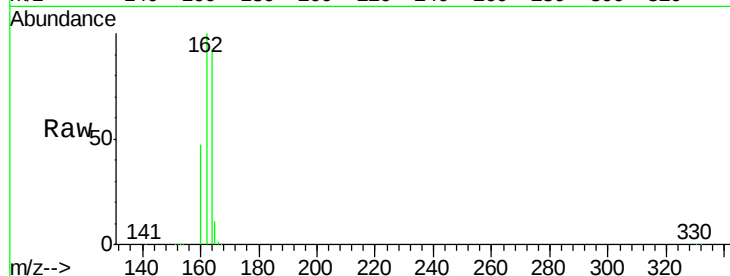
Tot Ion:154 Resp: 425

Ion Ratio Lower Upper

154 100

153 5.9 85.4 128.2#

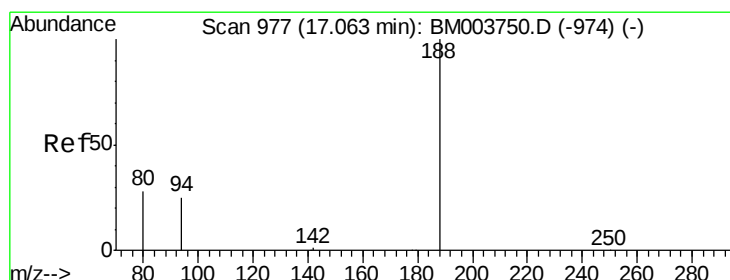
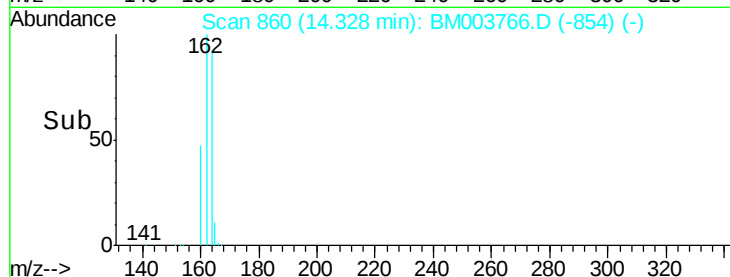
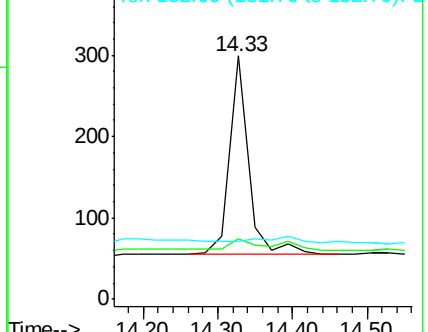
152 0.0 40.6 60.8#



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: 17.09 min Scan# 978

Delta R.T. 0.03 min

Lab File: BM003766.D

Acq: 24 Dec 2015 06:30

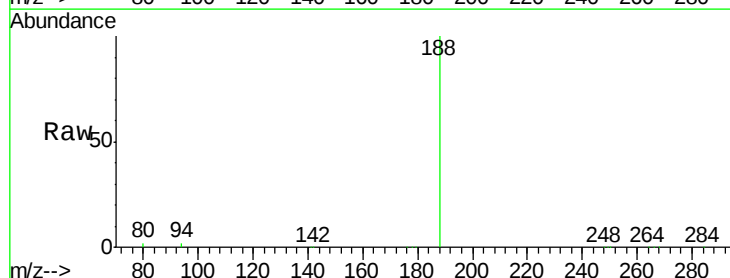
Tgt Ion:188 Resp: 186878

Ion Ratio Lower Upper

188 100

94 2.1 20.3 30.5#

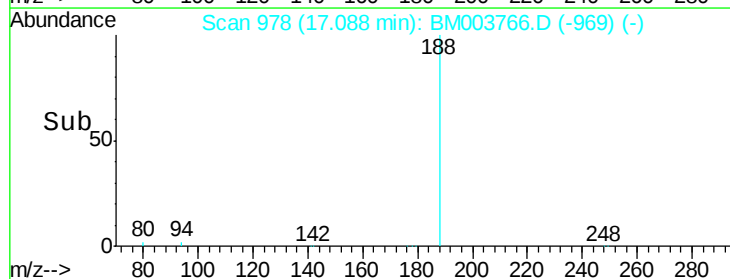
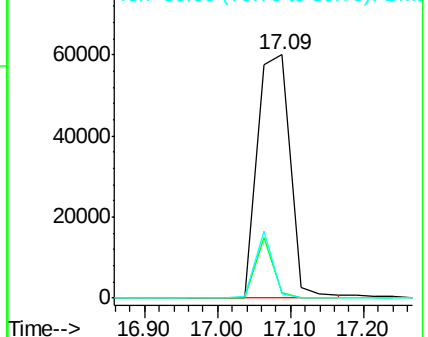
80 1.8 22.2 33.4#

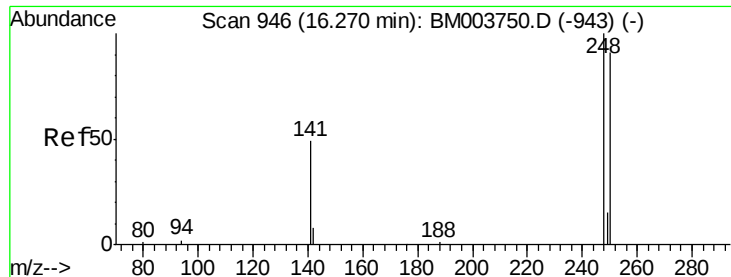


Abundance Ion 188.00 (187.70 to 188.70): E

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: BM003766.D

Acq: 24 Dec 2015 06:30

Instrument :

BNA_M

ClientSampleId :

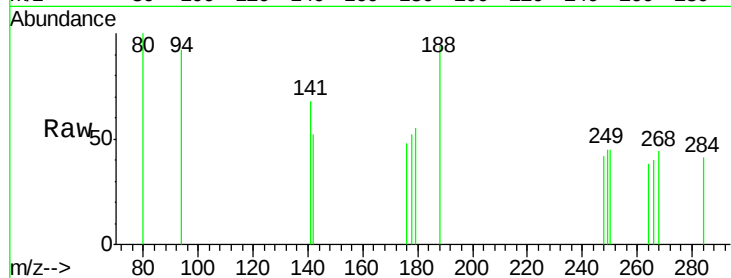
Tot Ion:248 Resp: 9

Ion Ratio Lower Upper

248 100

250 100.0 75.0 112.4

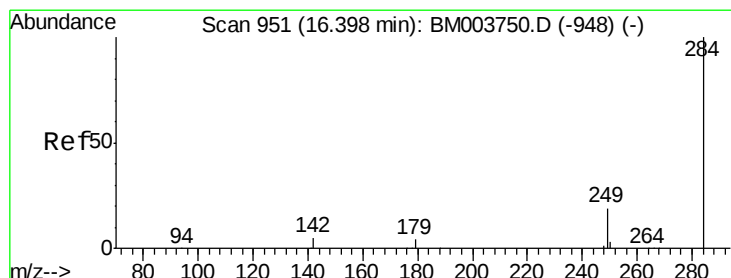
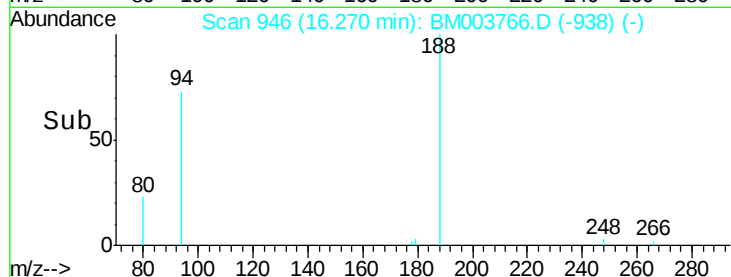
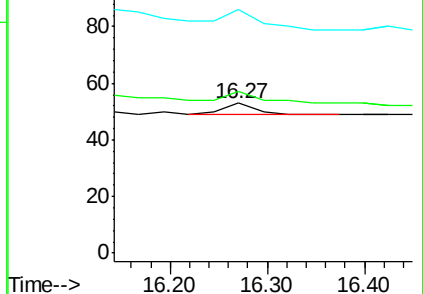
141 166.7 53.0 79.4#



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: BM003766.D

Acq: 24 Dec 2015 06:30

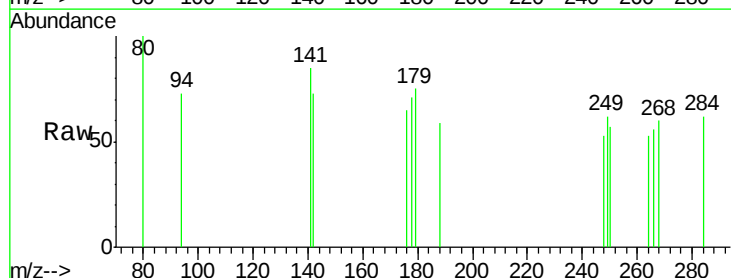
Tgt Ion:284 Resp: 17

Ion Ratio Lower Upper

284 100

142 88.2 0.0 0.0#

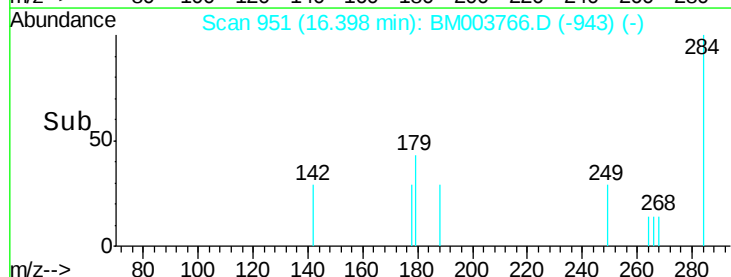
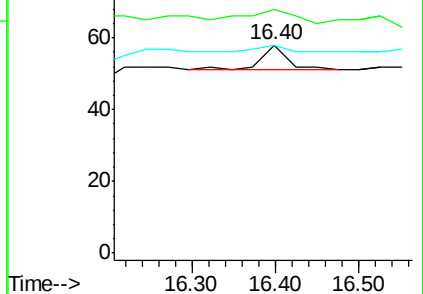
249 29.4 21.5 32.3

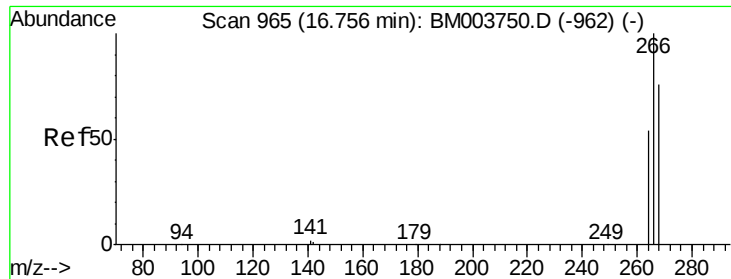


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





#22

Pentachlorophenol

Concen: 0.38 na

RT: 16.76 min Scan# 965

Delta R.T. 0.00 min

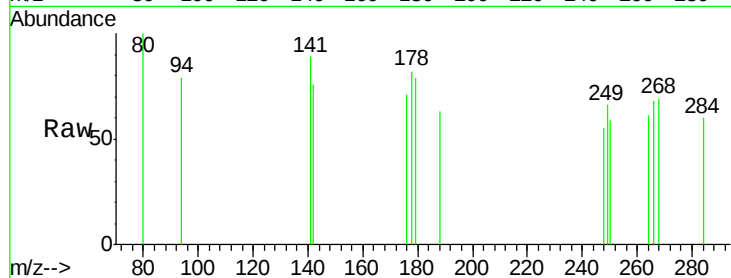
Lab File: BM003766.D

Acq: 24 Dec 2015 06:30

Instrument :

BNA_M

ClientSampleId :



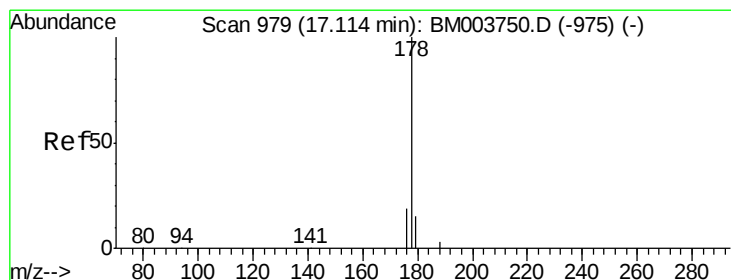
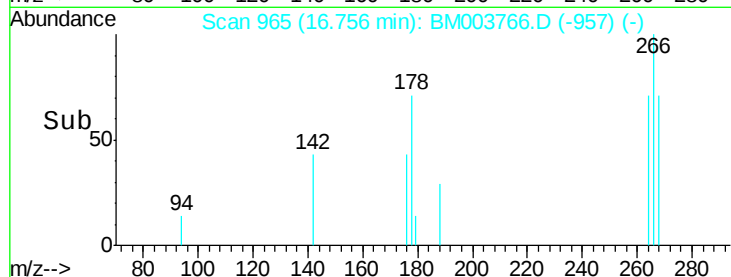
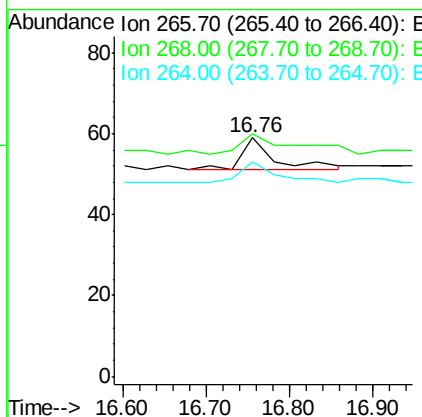
Tot Ion:266 Resp: 23

Ion Ratio Lower Upper

266 100

268 101.7 62.7 94.1#

264 89.8 45.7 68.5#



#23

Phenanthrene

Concen: Below Cal

RT: 17.11 min Scan# 979

Delta R.T. 0.00 min

Lab File: BM003766.D

Acq: 24 Dec 2015 06:30

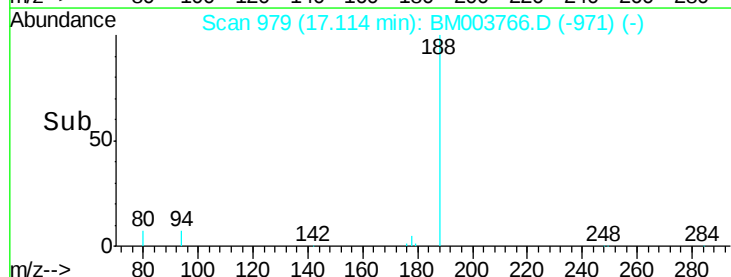
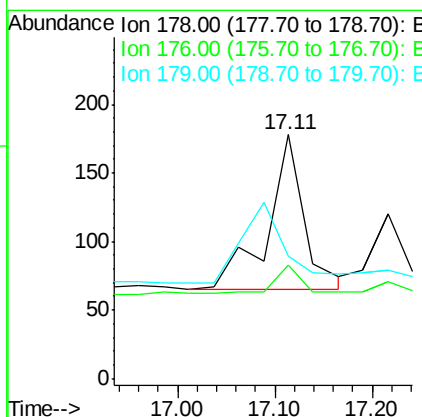
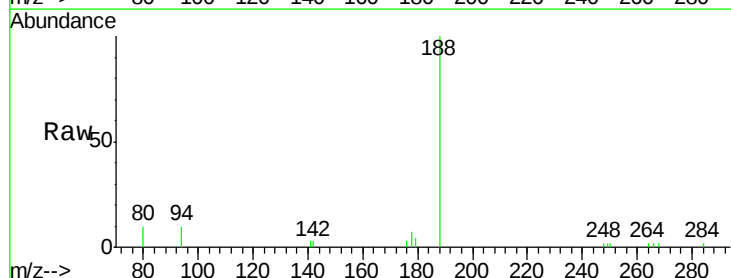
Tgt Ion:178 Resp: 299

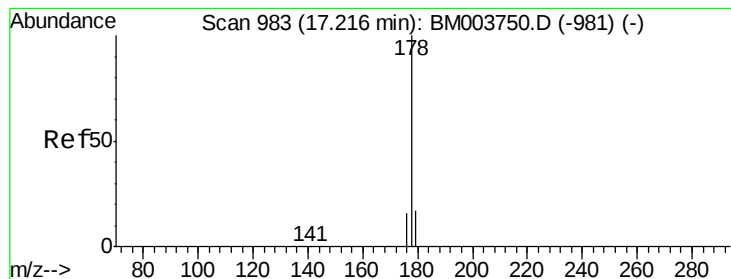
Ion Ratio Lower Upper

178 100

176 12.7 15.4 23.0#

179 0.0 12.2 18.4#





#24

Anthracene

Concen: 0.06 ng

RT: 17.22 min Scan# 983

Delta R.T. 0.00 min

Lab File: BM003766.D

Acq: 24 Dec 2015 06:30

Instrument :

BNA_M

ClientSampled :

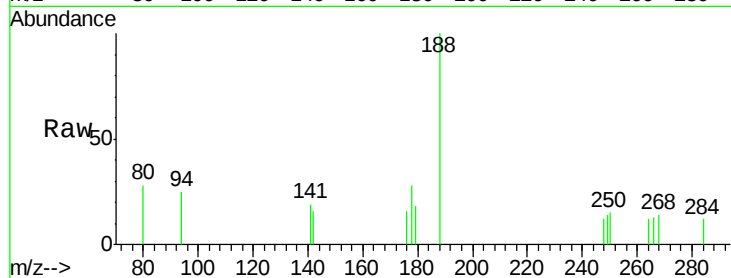
Tot Ion:178 Resp: 113

Ion Ratio Lower Upper

178 100

176 15.9 14.6 21.8

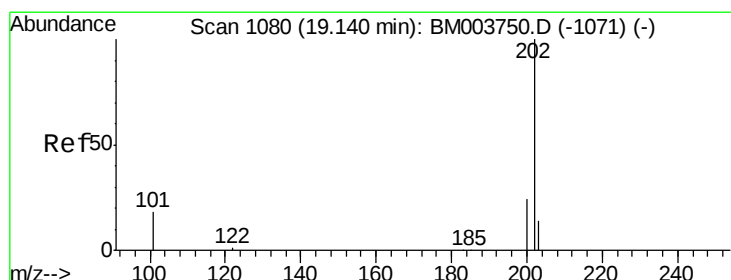
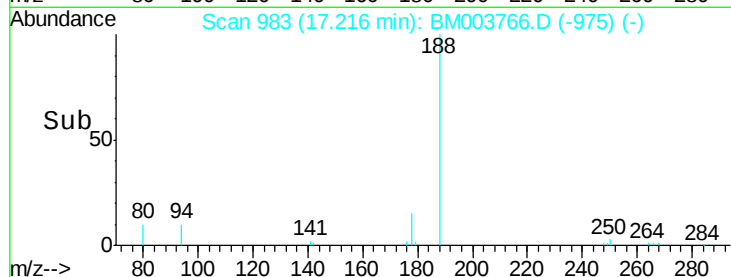
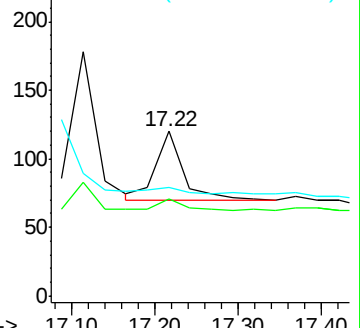
179 0.0 12.6 19.0#



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



#25

Fluoranthene

Concen: 0.10 ng

RT: 19.16 min Scan# 1081

Delta R.T. 0.02 min

Lab File: BM003766.D

Acq: 24 Dec 2015 06:30

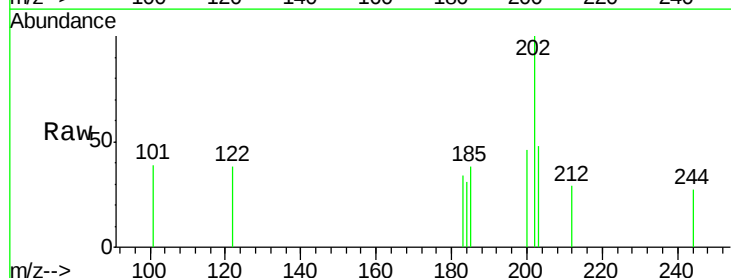
Tgt Ion:202 Resp: 269

Ion Ratio Lower Upper

202 100

101 12.6 9.7 14.5

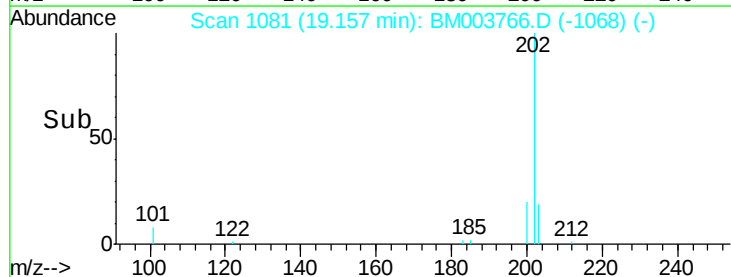
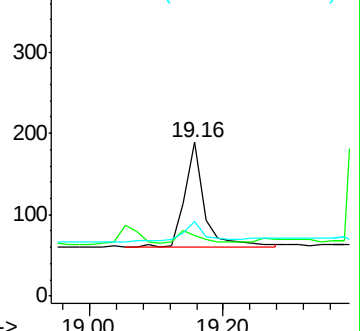
203 23.8 13.8 20.8#

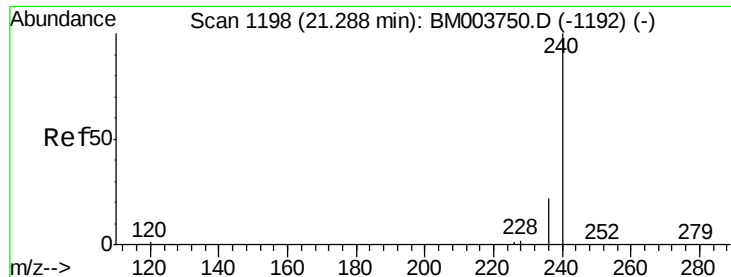


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

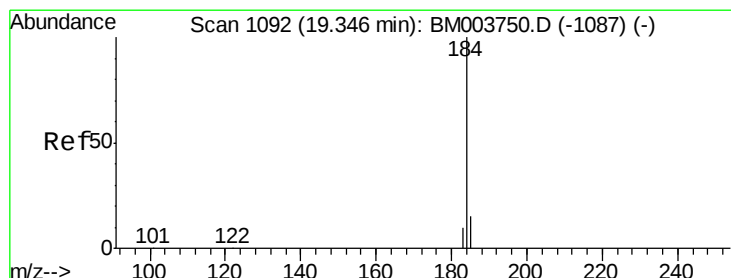
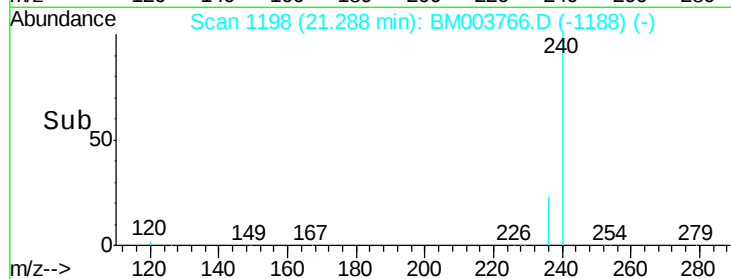
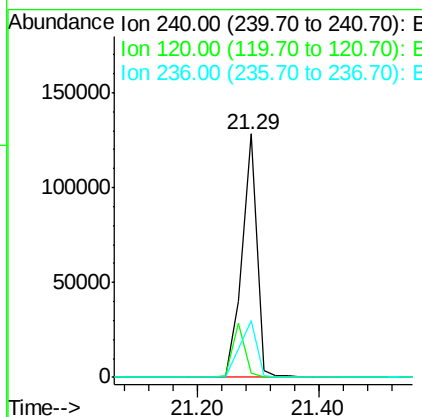
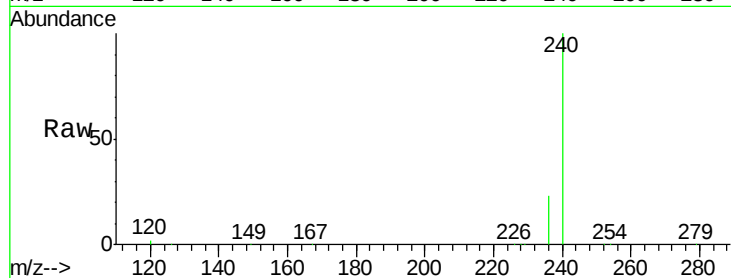




#26
Chrysene-d12
Concen: 5.00 ng
RT: 21.29 min Scan# 1198
Delta R.T. -0.00 min
Lab File: BM003766.D
Acq: 24 Dec 2015 06:30

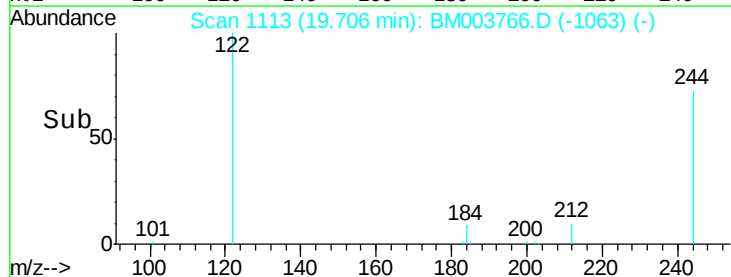
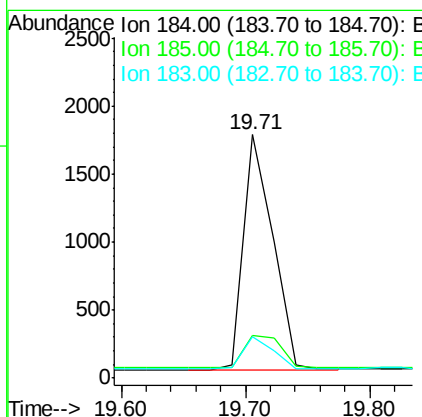
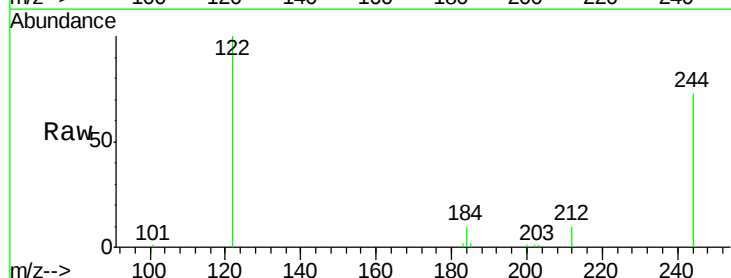
Instrument :
BNA_M
ClientSampleId :

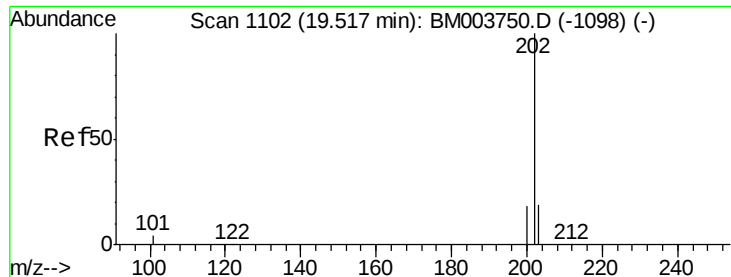
Tot Ion:240 Resp: 213894
Ion Ratio Lower Upper
240 100
120 1.6 0.9 1.3#
236 23.3 17.3 25.9



#27
Benzidine
Concen: 0.34 ng
RT: 19.71 min Scan# 1113
Delta R.T. 0.36 min
Lab File: BM003766.D
Acq: 24 Dec 2015 06:30

Tgt Ion:184 Resp: 2840
Ion Ratio Lower Upper
184 100
185 17.5 13.2 19.8
183 17.0 9.0 13.6#

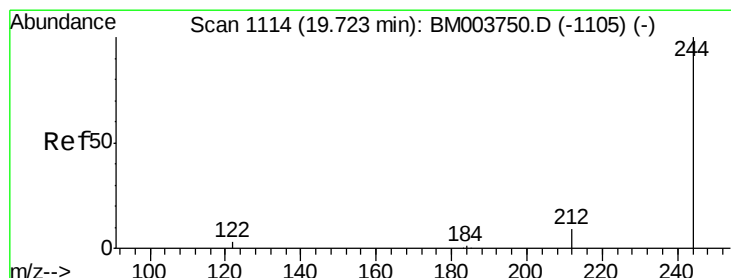
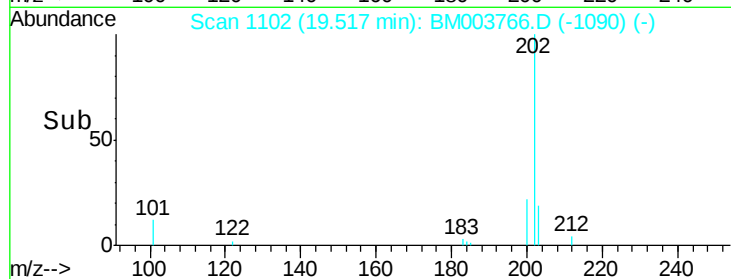
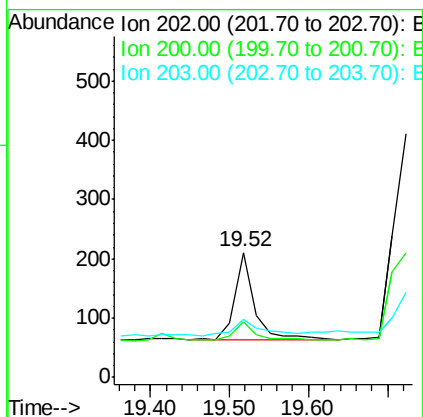
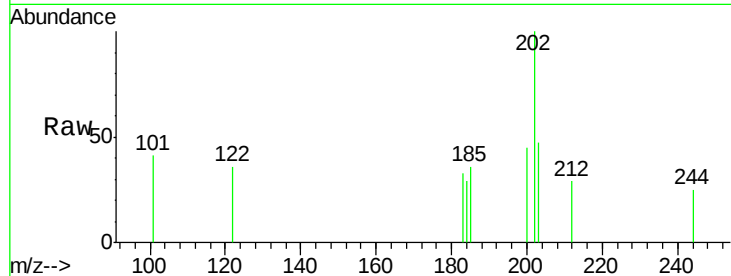




#28
Pvrene
Concen: Below Cal
RT: 19.52 min Scan# 1102
Delta R.T. 0.00 min
Lab File: BM003766.D
Acq: 24 Dec 2015 06:30

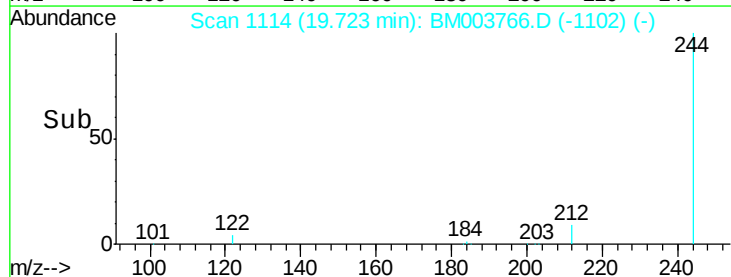
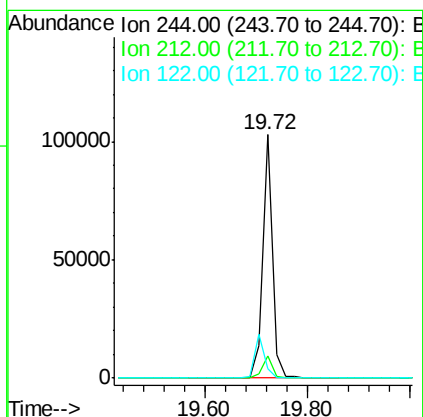
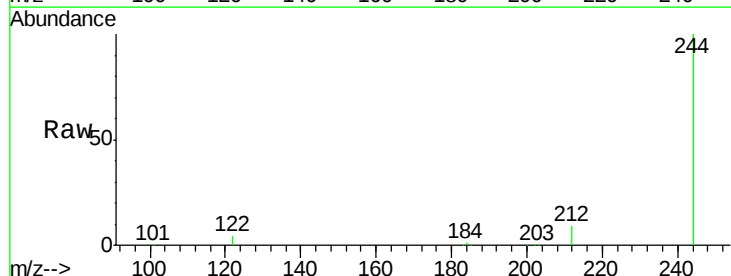
Instrument :
BNA_M
ClientSampleId :

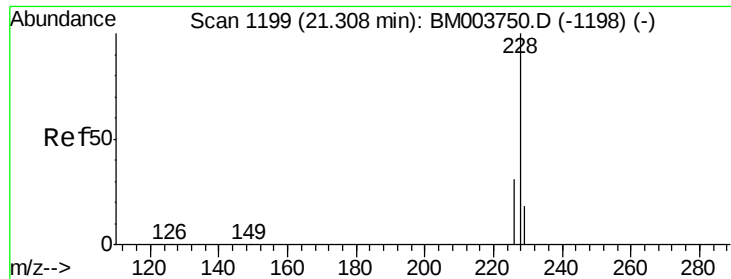
Tot Ion:202 Resp: 257
Ion Ratio Lower Upper
202 100
200 22.6 16.6 24.8
203 26.5 14.0 21.0#



#29
Terphenyl-d14
Concen: 3.88 ng
RT: 19.72 min Scan# 1114
Delta R.T. 0.00 min
Lab File: BM003766.D
Acq: 24 Dec 2015 06:30

Tgt Ion:244 Resp: 131822
Ion Ratio Lower Upper
244 100
212 9.2 7.0 10.6
122 4.0 3.0 4.6





#32

Chrysene

Concen: Below Cal

RT: 21.27 min Scan# 1197

Delta R.T. -0.04 min

Lab File: BM003766.D

Acq: 24 Dec 2015 06:30

Instrument :

BNA_M

ClientSampleId :

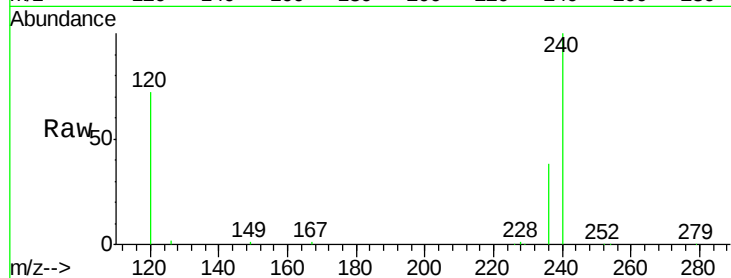
Tot Ion:228 Resp: 1266

Ion Ratio Lower Upper

228 100

226 27.0 25.3 37.9

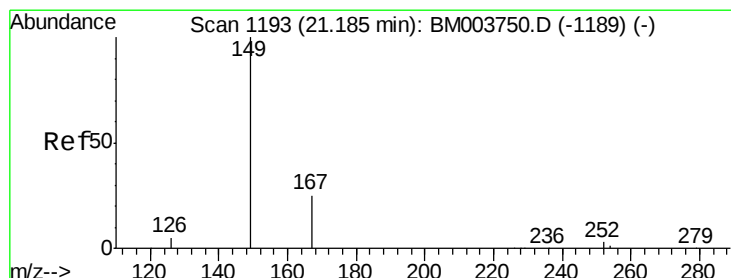
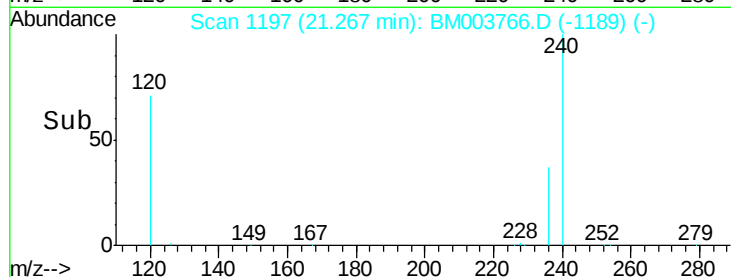
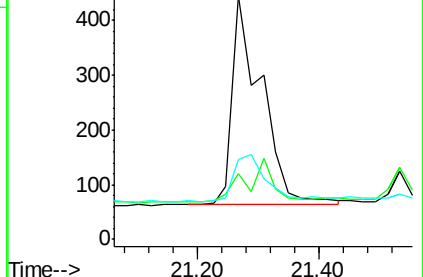
229 32.8 14.5 21.7#



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: 0.21 ng

RT: 21.19 min Scan# 1193

Delta R.T. 0.00 min

Lab File: BM003766.D

Acq: 24 Dec 2015 06:30

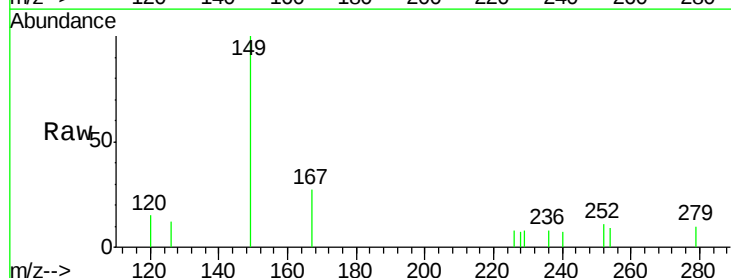
Tgt Ion:149 Resp: 765

Ion Ratio Lower Upper

149 100

167 26.5 20.1 30.1

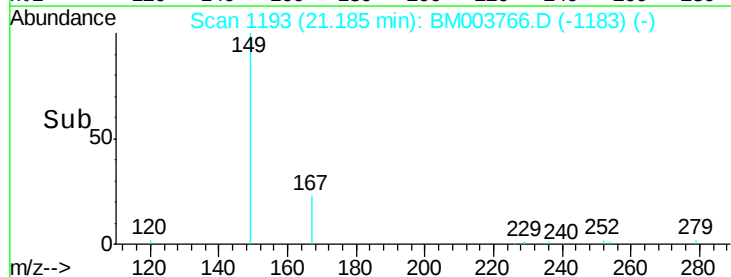
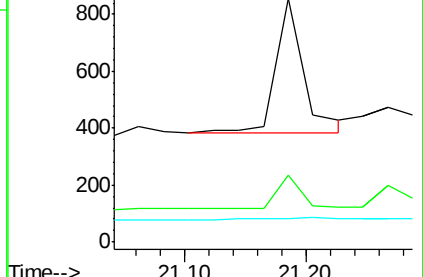
279 0.0 0.0 0.0

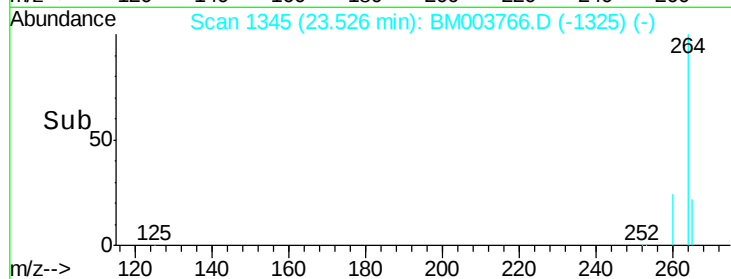
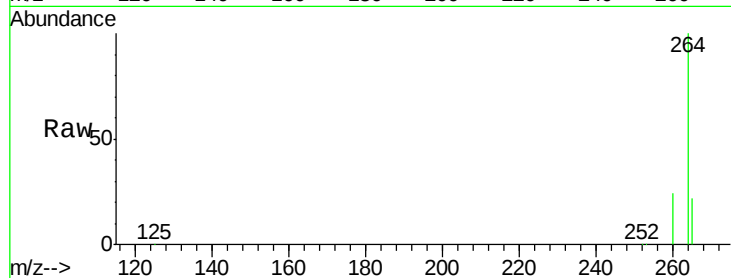
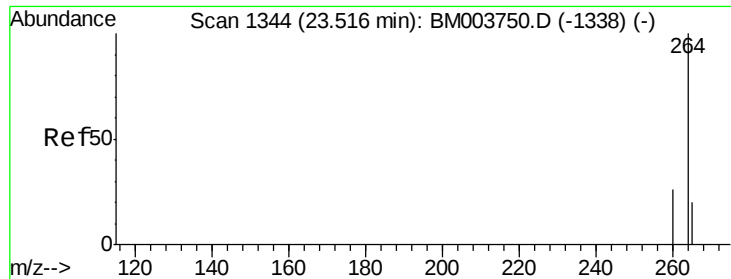


Abundance Ion 149.00 (148.70 to 149.70): E

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: 23.53 min Scan# 1345

Delta R.T. 0.01 min

Lab File: BM003766.D

Acq: 24 Dec 2015 06:30

Instrument :

BNA_M

ClientSampleId :

Tot Ion:264 Resp: 187099

Ion Ratio Lower Upper

264 100

260 24.4 21.2 31.8

265 22.4 16.7 25.1

