

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM050415\
 Data File : BM001193.D
 Acq On : 04 May 2015 20:49
 Operator : TP/IZ
 Sample : G2058-14
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MPE-1

Quant Time: May 05 04:03:49 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SIMPAH-BM050115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 05 03:49:45 2015
 Response via : Initial Calibration

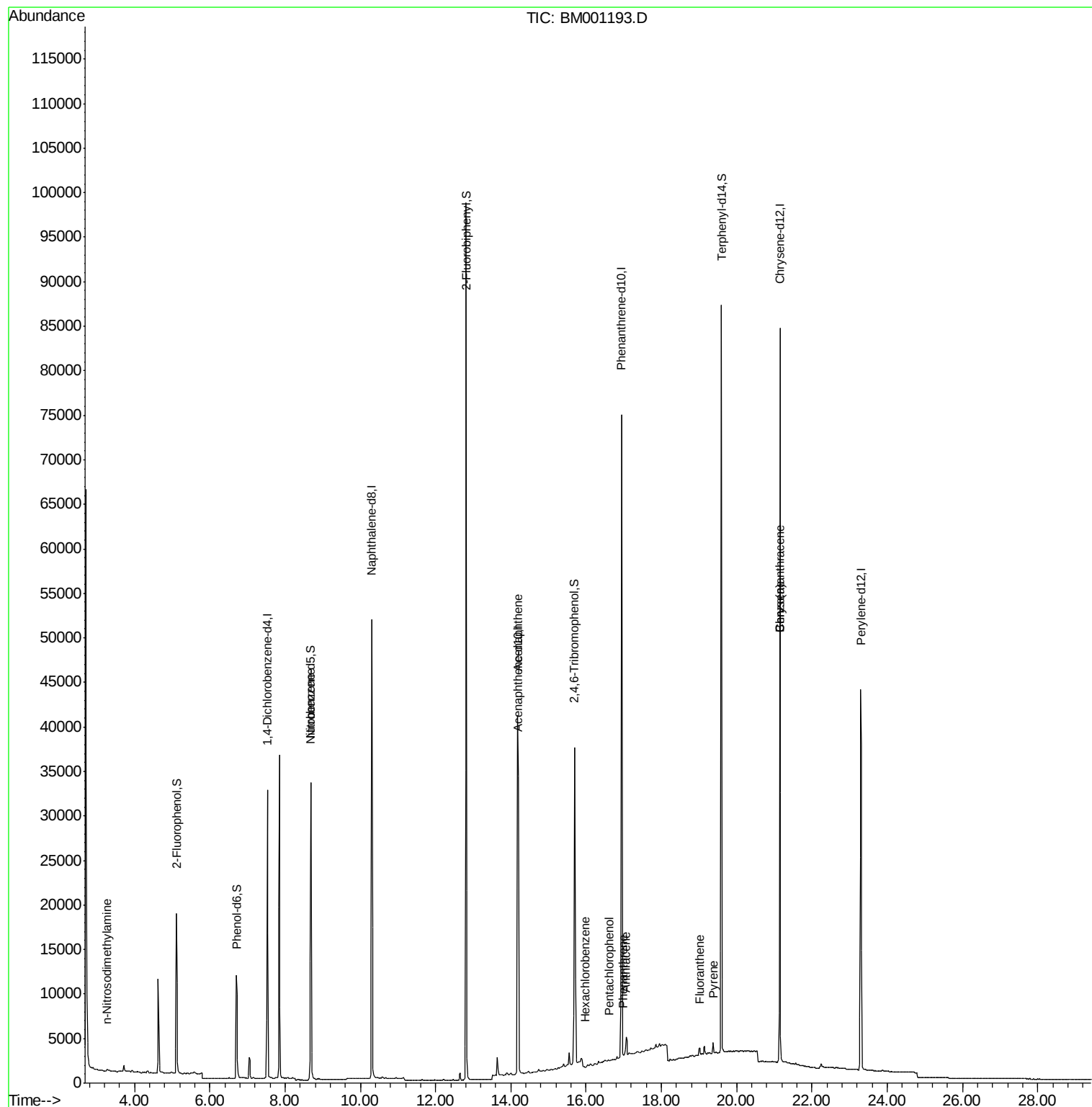
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.53	152	16238	5.00	ng	0.00
6) Naphthalene-d8	10.31	136	67648	5.00	ng	0.00
12) Acenaphthene-d10	14.20	164	36638	5.00	ng	0.00
18) Phenanthrene-d10	16.94	188	90017	5.00	ng	0.00
24) Chrysene-d12	21.15	240	72822	5.00	ng	0.00
30) Perylene-d12	23.29	264	54491	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.11	112	14808	4.69	ng	0.00
5) Phenol-d6	6.72	99	13944	3.58	ng	0.02
7) Nitrobenzene-d5	8.69	82	30567	7.98	ng	0.00
13) 2,4,6-Tribromophenol	15.69	330	27530	15.24	ng	0.00
14) 2-Fluorobiphenyl	12.80	172	97417	8.04	ng	0.00
26) Terphenyl-d14	19.59	244	104290	10.39	ng	0.00
Target Compounds						Qvalue
3) n-Nitrosodimethylamine	3.27	42	189	0.10	ng	# 1
8) Nitrobenzene	8.68	77	105	0.17	ng	# 39
16) Acenaphthene	14.18	154	278	0.03	ng	# 4
19) Hexachlorobenzene	15.97	284	331	0.07	ng	# 42
20) Pentachlorophenol	16.61	266	47	0.39	ng	# 63
21) Phenanthrene	16.98	178	808	0.03	ng	# 60
22) Anthracene	17.06	178	3428	0.18	ng	# 75
23) Fluoranthene	19.01	202	871	0.04	ng	# 78
25) Pyrene	19.38	202	1497	0.07	ng	# 89
27) Benzo(a)anthracene	21.14	228	627	0.03	ng	# 1
28) Chrysene	21.14	228	627	0.03	ng	# 3

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

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.53 min Scan# 314

Delta R.T. -0.00 min

Lab File: BM001193.D

Acq: 04 May 2015 20:49

Instrument :

BNA_M

ClientSampleId :

MPE-1

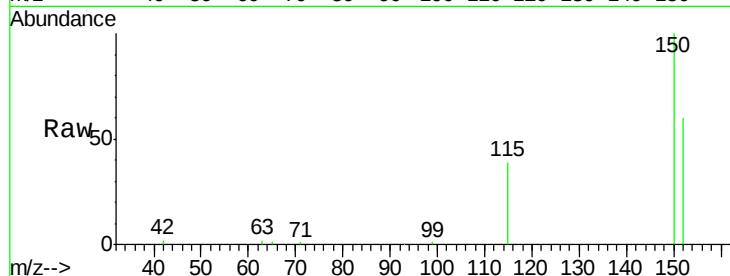
Tgt Ion:152 Resp: 16238

Ion Ratio Lower Upper

152 100

150 167.1 140.1 210.1

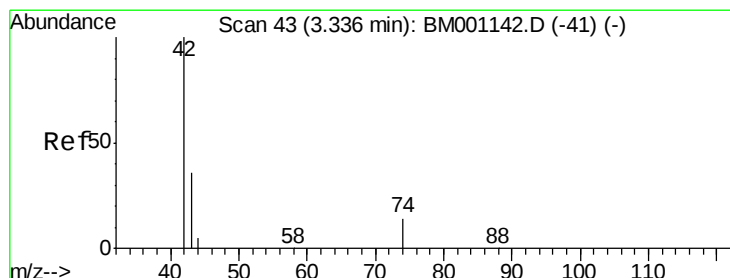
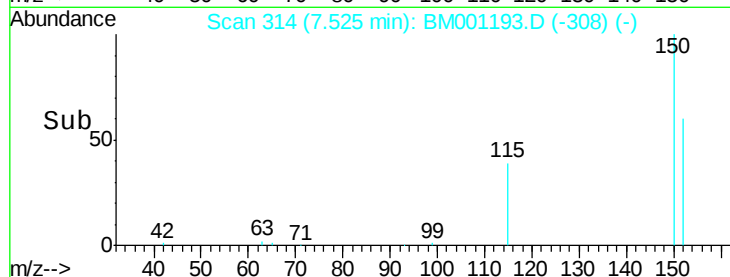
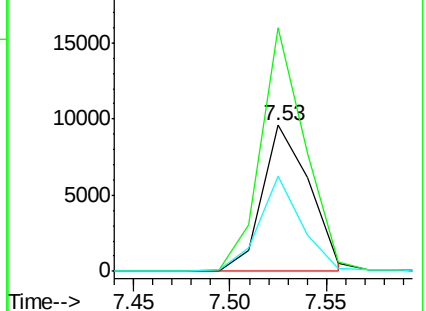
115 65.4 57.8 86.6



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#3

n-Nitrosodimethylamine

Concen: 0.10 ng

RT: 3.27 min Scan# 39

Delta R.T. -0.06 min

Lab File: BM001193.D

Acq: 04 May 2015 20:49

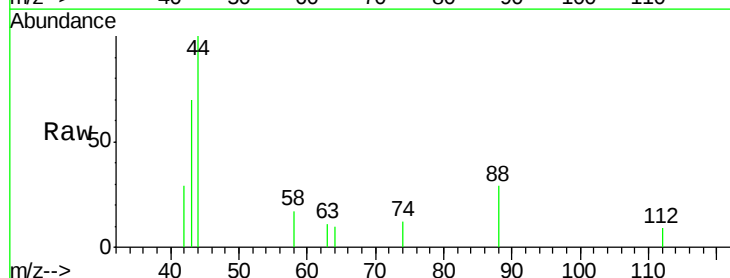
Tgt Ion: 42 Resp: 189

Ion Ratio Lower Upper

42 100

74 5.3 72.0 108.0#

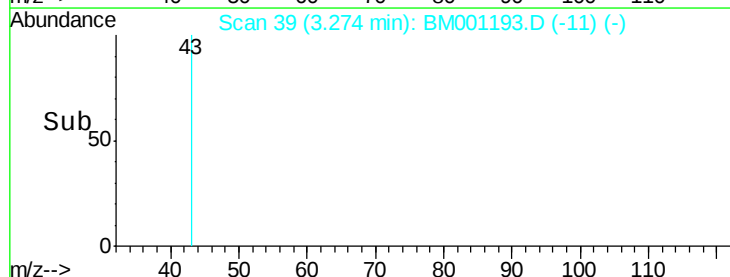
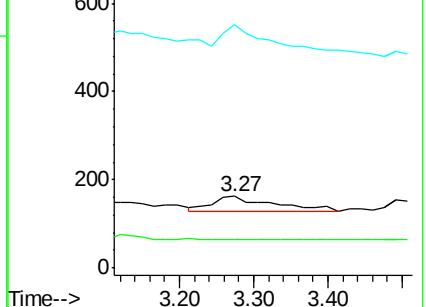
44 201.1 3.7 5.5#

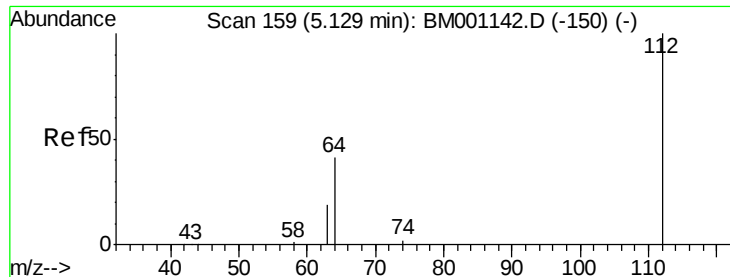


Abundance Ion 42.00 (41.70 to 42.70): BM0

Ion 74.00 (73.70 to 74.70): BM0

Ion 44.00 (43.70 to 44.70): BM0





#4

2-Fluorophenol

Concen: 4.69 ng

RT: 5.11 min Scan# 158

Delta R.T. -0.00 min

Lab File: BM001193.D

Acq: 04 May 2015 20:49

Instrument :

BNA_M

ClientSampleId :

MPE-1

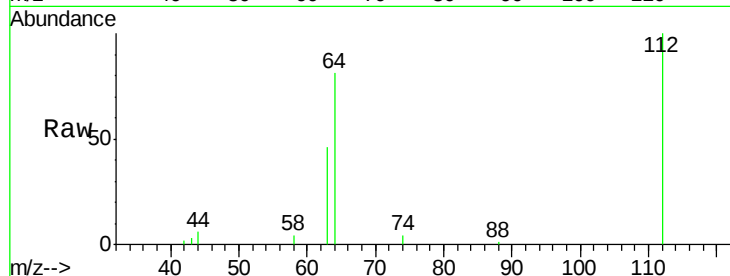
Tgt Ion: 112 Resp: 14808

Ion Ratio Lower Upper

112 100

64 64.6 52.6 79.0

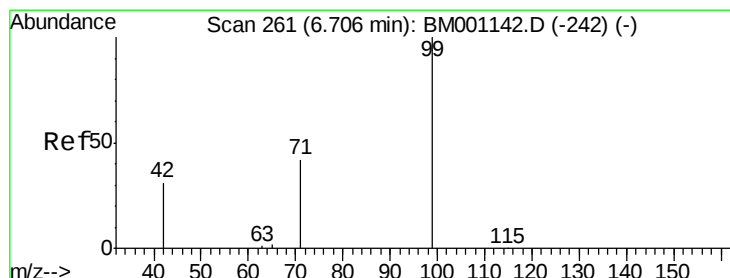
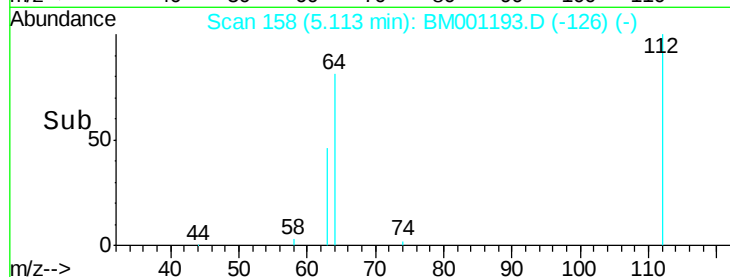
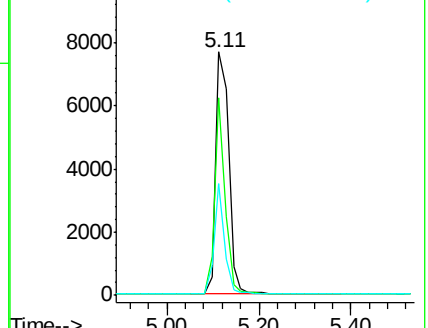
63 36.1 29.5 44.3



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BM

Ion 63.00 (62.70 to 63.70): BM



#5

Phenol-d6

Concen: 3.58 ng

RT: 6.72 min Scan# 262

Delta R.T. 0.02 min

Lab File: BM001193.D

Acq: 04 May 2015 20:49

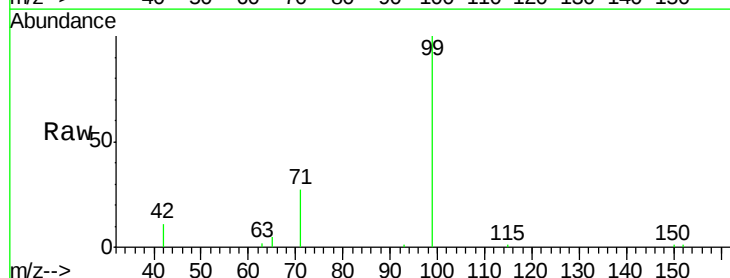
Tgt Ion: 99 Resp: 13944

Ion Ratio Lower Upper

99 100

42 24.2 20.9 31.3

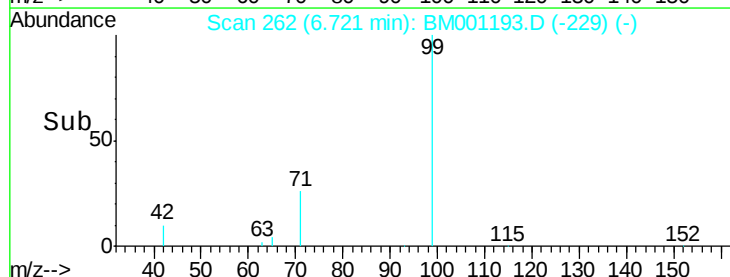
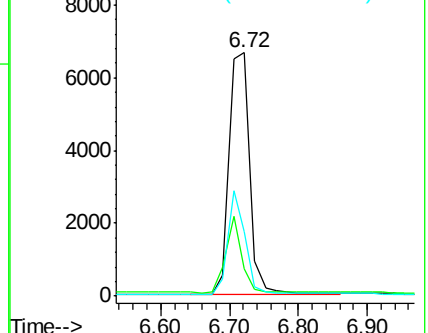
71 35.7 28.5 42.7

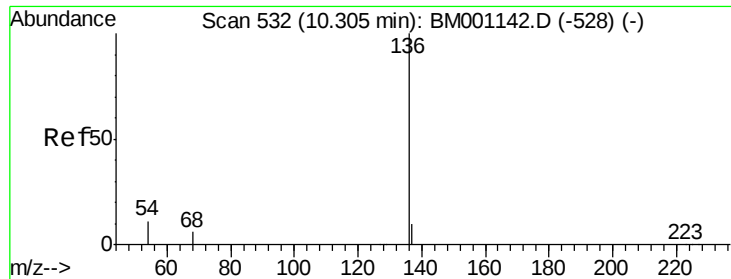


Abundance Ion 99.00 (98.70 to 99.70): B

Ion 42.00 (41.70 to 42.70): B

Ion 71.00 (70.70 to 71.70): B





#6

Naphthalene-d8

Concen: 5.00 ng

RT: 10.31 min Scan# 532

Delta R.T. -0.00 min

Lab File: BM001193.D

Acq: 04 May 2015 20:49

Instrument :

BNA_M

ClientSampleId :

MPE-1

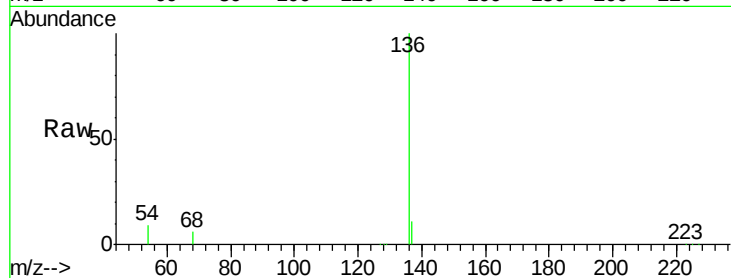
Tgt Ion:136 Resp: 67648

Ion Ratio Lower Upper

136 100

137 10.6 8.2 12.4

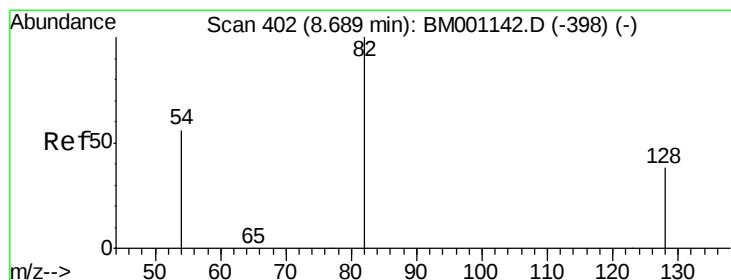
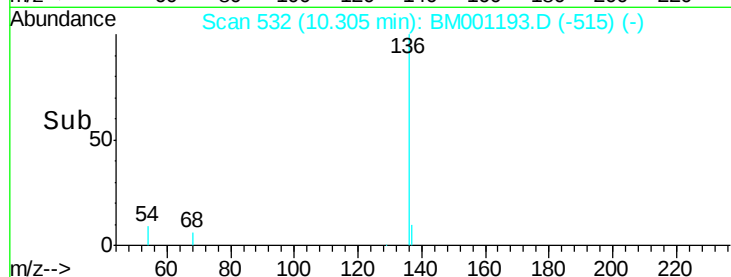
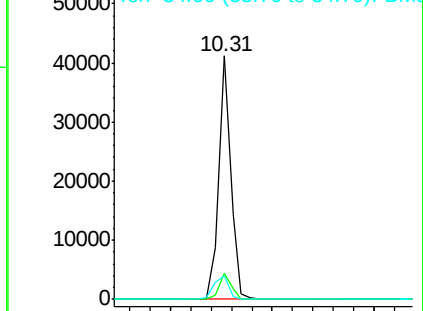
54 9.4 9.0 13.4



Abundance Ion 136.00 (135.70 to 136.70): B

Ion 137.00 (136.70 to 137.70): B

Ion 54.00 (53.70 to 54.70): B



#7

Nitrobenzene-d5

Concen: 7.98 ng

RT: 8.69 min Scan# 402

Delta R.T. -0.00 min

Lab File: BM001193.D

Acq: 04 May 2015 20:49

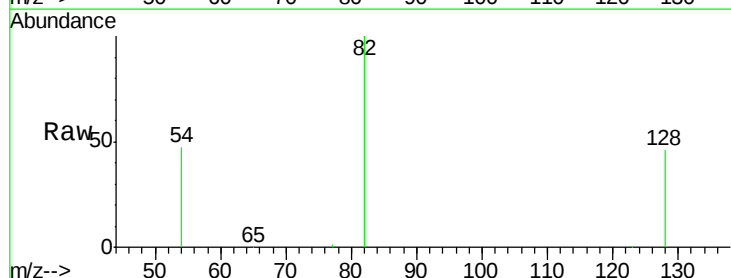
Tgt Ion: 82 Resp: 30567

Ion Ratio Lower Upper

82 100

128 46.2 31.9 47.9

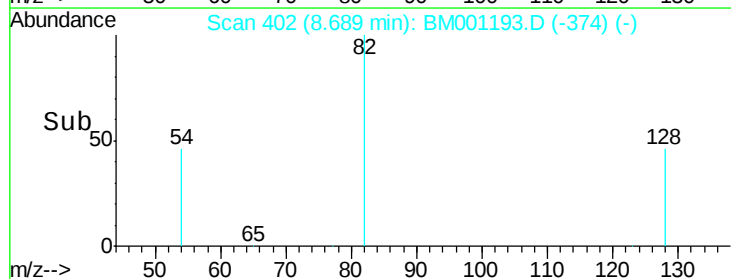
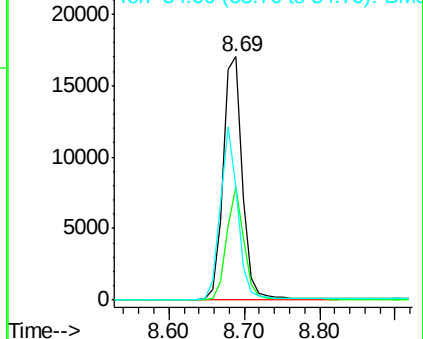
54 46.6 46.2 69.2

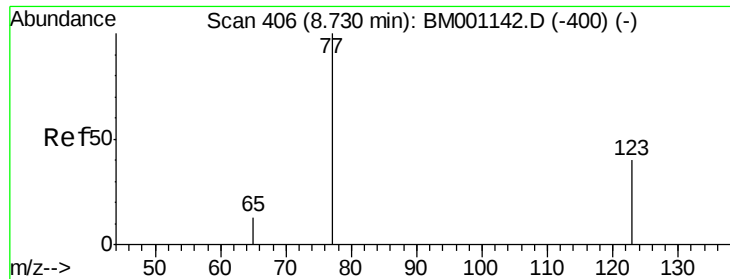


Abundance Ion 82.00 (81.70 to 82.70): B

Ion 128.00 (127.70 to 128.70): B

Ion 54.00 (53.70 to 54.70): B





#8

Nitrobenzene

Concen: 0.17 ng

RT: 8.68 min Scan# 401

Delta R.T. -0.04 min

Lab File: BM001193.D

Acq: 04 May 2015 20:49

Instrument :

BNA_M

ClientSampleId :

MPE-1

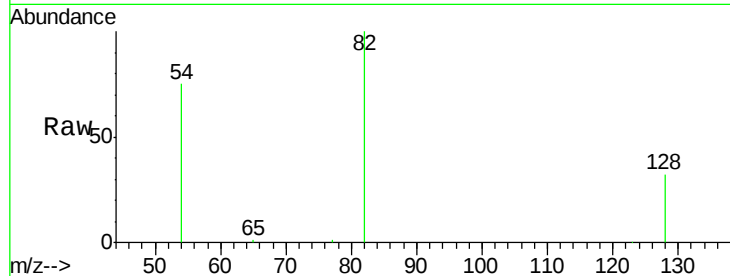
Tgt Ion: 77 Resp: 105

Ion Ratio Lower Upper

77 100

123 0.0 31.0 46.6#

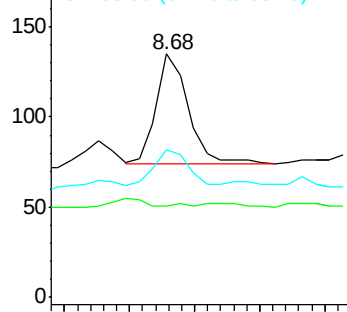
65 34.3 10.6 15.8#



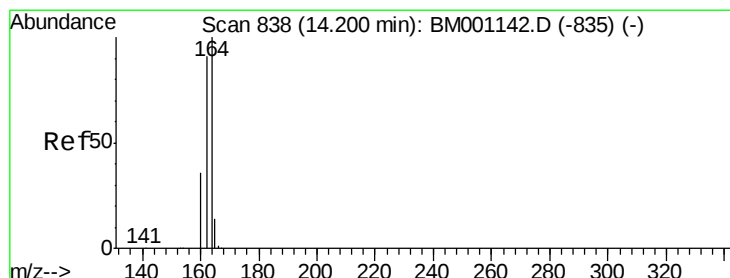
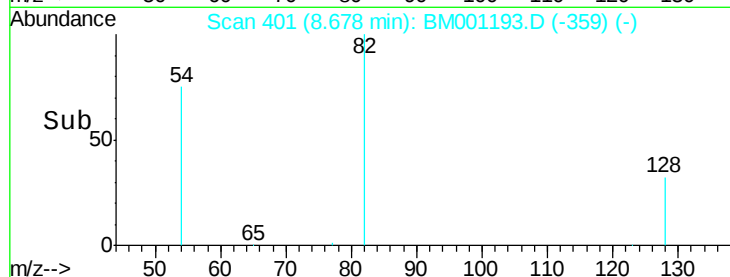
Abundance Ion 77.00 (76.70 to 77.70): BM001142.D (-400) (-)

Ion 123.00 (122.70 to 123.70): BM001142.D (-400) (-)

Ion 65.00 (64.70 to 65.70): BM001142.D (-400) (-)



Time--> 8.60 8.65 8.70 8.75 8.80



#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.20 min Scan# 838

Delta R.T. -0.00 min

Lab File: BM001193.D

Acq: 04 May 2015 20:49

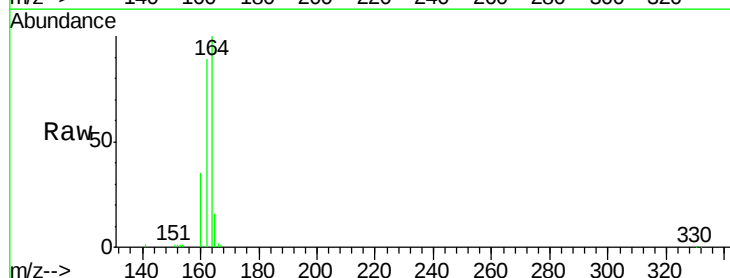
Tgt Ion: 164 Resp: 36638

Ion Ratio Lower Upper

164 100

162 88.6 72.7 109.1

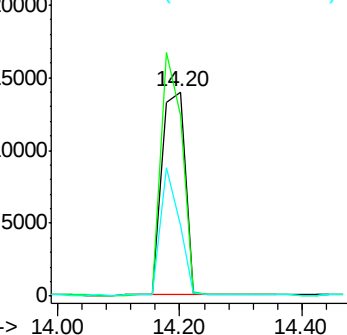
160 34.7 28.7 43.1



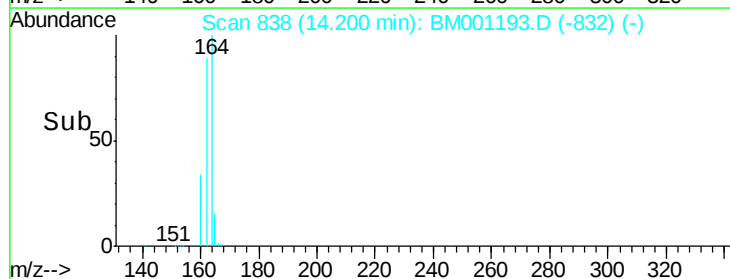
Abundance Ion 164.00 (163.70 to 164.70): BM001142.D (-835) (-)

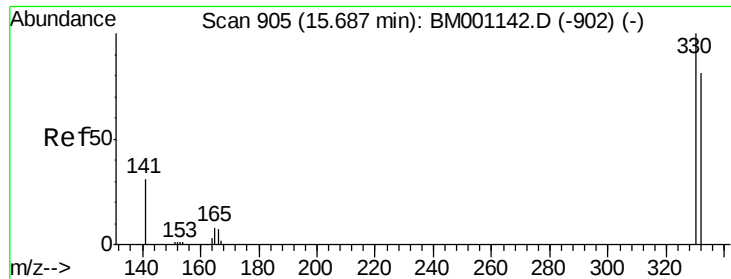
Ion 162.00 (161.70 to 162.70): BM001142.D (-835) (-)

Ion 160.00 (159.70 to 160.70): BM001142.D (-835) (-)



Time--> 14.00 14.20 14.40

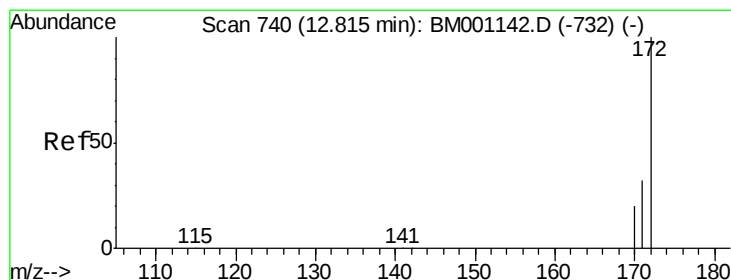
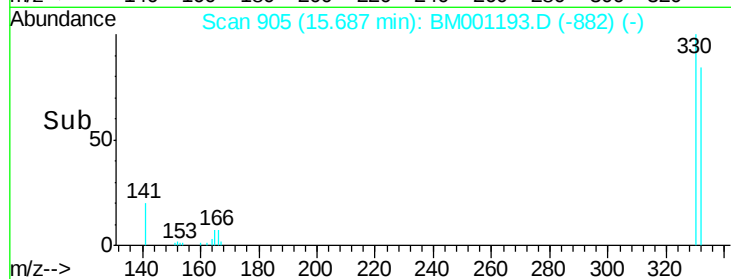
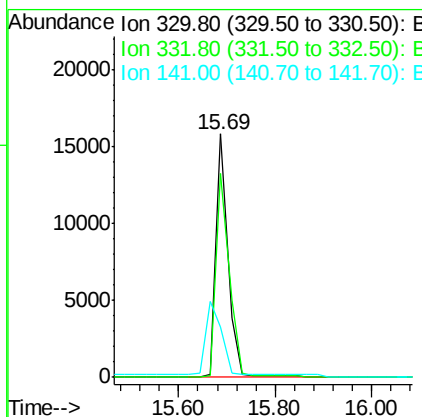
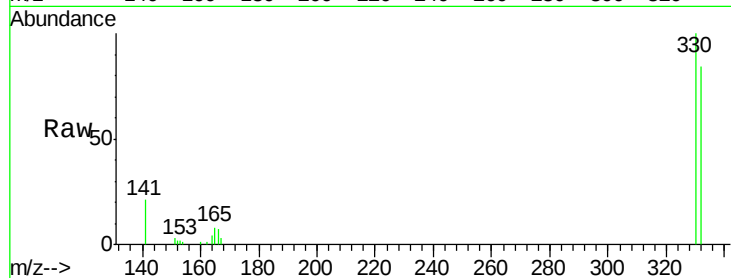




#13
 2,4,6-Tribromophenol
 Concen: 15.24 ng
 RT: 15.69 min Scan# 905
 Delta R.T. -0.00 min
 Lab File: BM001193.D
 Acq: 04 May 2015 20:49

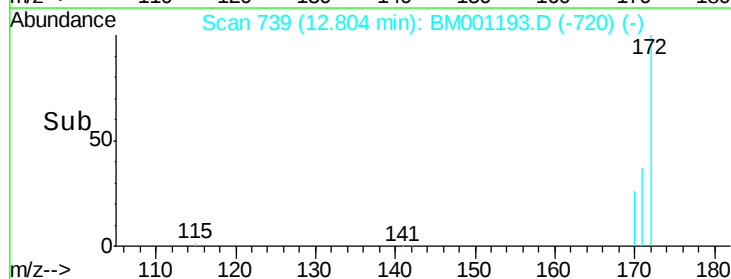
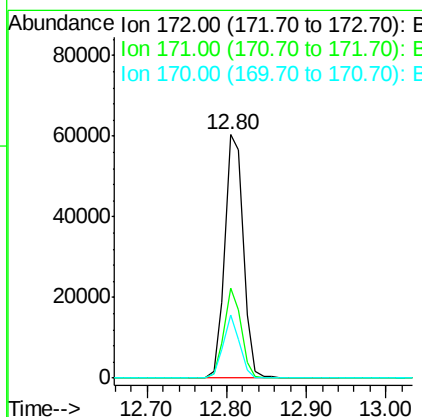
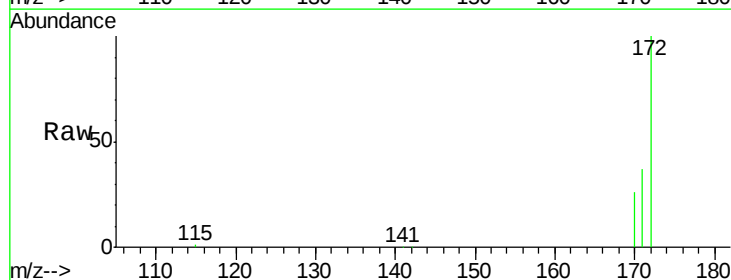
Instrument :
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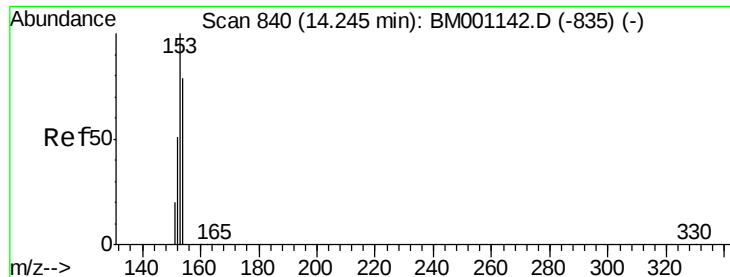
Tgt Ion:330 Resp: 27530
 Ion Ratio Lower Upper
 330 100
 332 92.9 74.5 111.7
 141 0.0 21.0 31.4#



#14
 2-Fluorobiphenyl
 Concen: 8.04 ng
 RT: 12.80 min Scan# 739
 Delta R.T. -0.00 min
 Lab File: BM001193.D
 Acq: 04 May 2015 20:49

Tgt Ion:172 Resp: 97417
 Ion Ratio Lower Upper
 172 100
 171 36.9 25.8 38.6
 170 25.8 16.1 24.1#





#16

Acenaphthene

Concen: 0.03 ng

RT: 14.18 min Scan# 837

Delta R.T. -0.07 min

Lab File: BM001193.D

Acq: 04 May 2015 20:49

Instrument :

BNA_M

ClientSampleId :

MPE-1

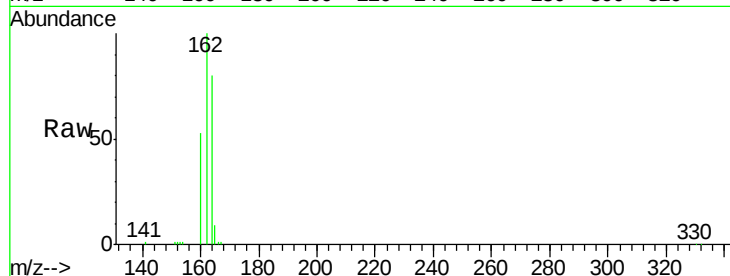
Tgt Ion:154 Resp: 278

Ion Ratio Lower Upper

154 100

153 0.0 90.6 136.0#

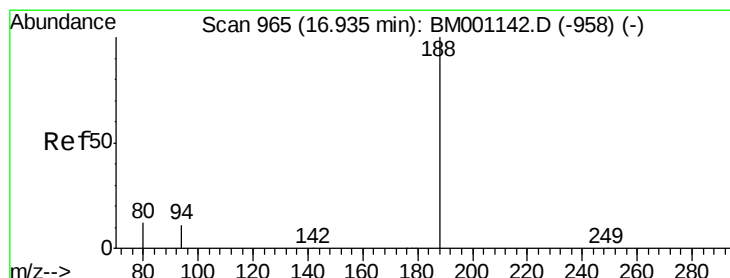
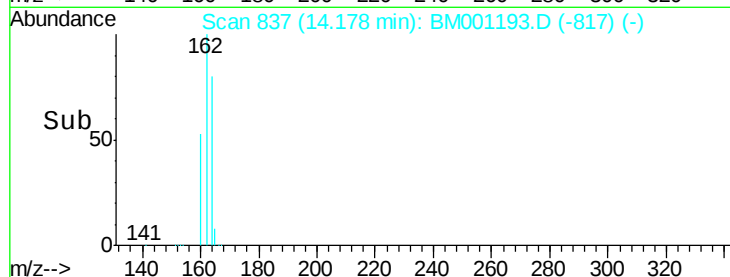
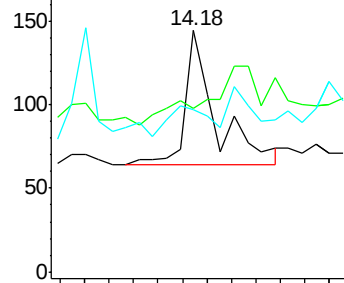
152 0.0 45.0 67.4#



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



#18

Phenanthrene-d10

Concen: 5.00 ng

RT: 16.94 min Scan# 965

Delta R.T. -0.00 min

Lab File: BM001193.D

Acq: 04 May 2015 20:49

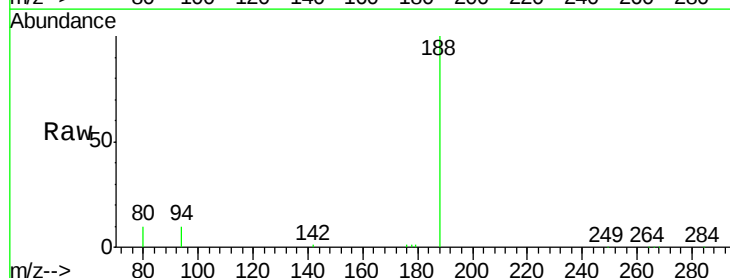
Tgt Ion:188 Resp: 90017

Ion Ratio Lower Upper

188 100

94 10.2 9.3 13.9

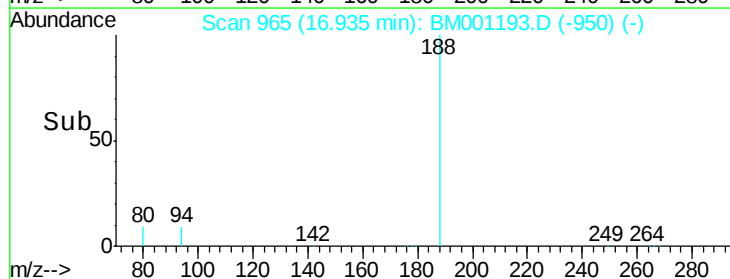
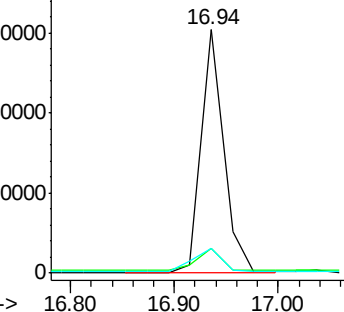
80 10.1 9.8 14.6

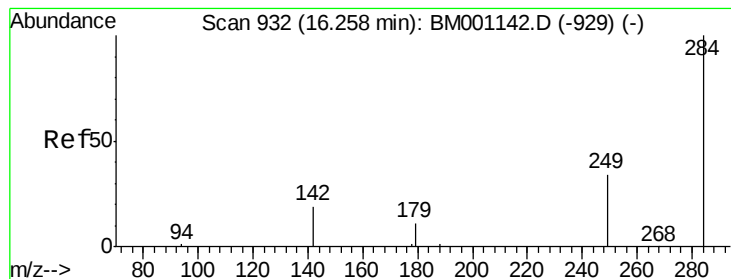


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM

Ion 80.00 (79.70 to 80.70): BM

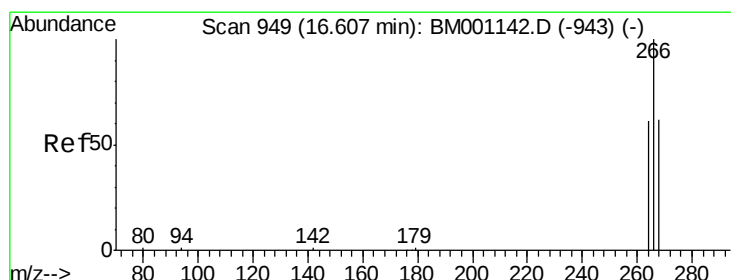
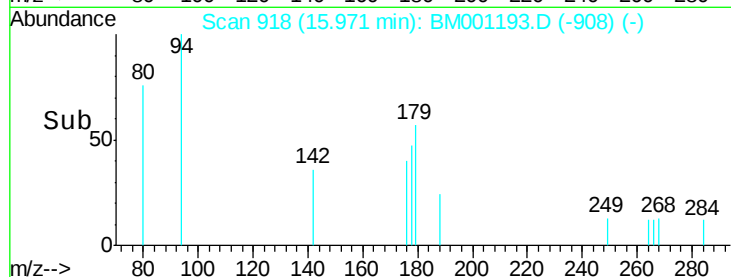
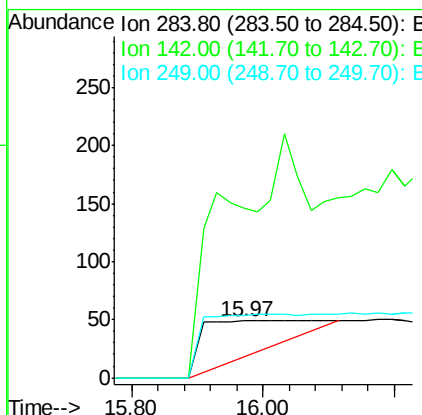
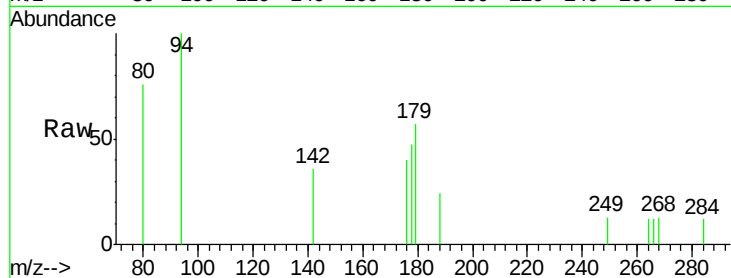




#19
Hexachlorobenzene
Concen: 0.07 ng
RT: 15.97 min Scan# 918
Delta R.T. -0.29 min
Lab File: BM001193.D
Acq: 04 May 2015 20:49

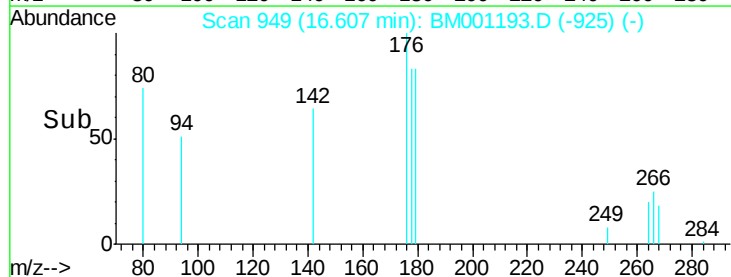
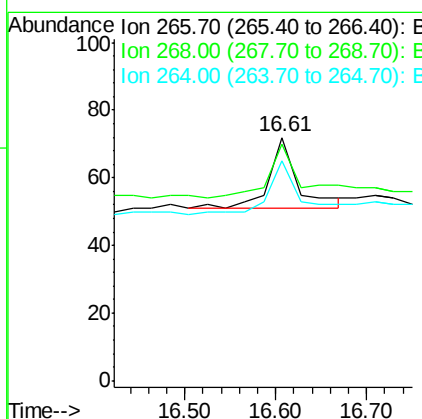
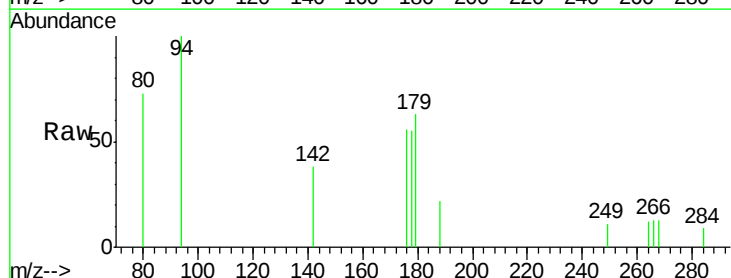
Instrument :
BNA_M
ClientSampleId :
MPE-1

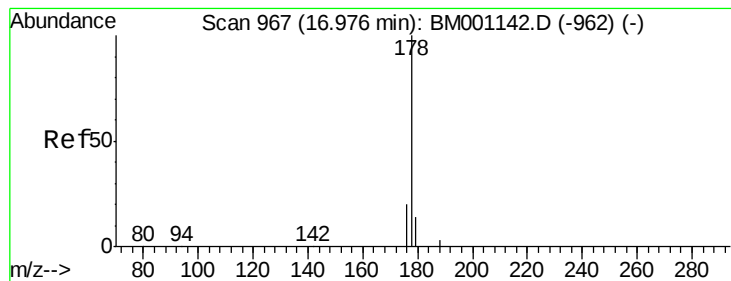
Tgt Ion: 284 Resp: 331
Ion Ratio Lower Upper
284 100
142 0.0 0.0 0.0
249 0.0 26.5 39.7#



#20
Pentachlorophenol
Concen: 0.39 ng
RT: 16.61 min Scan# 949
Delta R.T. -0.00 min
Lab File: BM001193.D
Acq: 04 May 2015 20:49

Tgt Ion: 266 Resp: 47
Ion Ratio Lower Upper
266 100
268 97.2 52.6 79.0#
264 90.3 51.0 76.4#





#21

Phenanthrene

Concen: 0.03 ng

RT: 16.98 min Scan# 967

Delta R.T. -0.00 min

Lab File: BM001193.D

Acq: 04 May 2015 20:49

Instrument :

BNA_M

ClientSampleId :

MPE-1

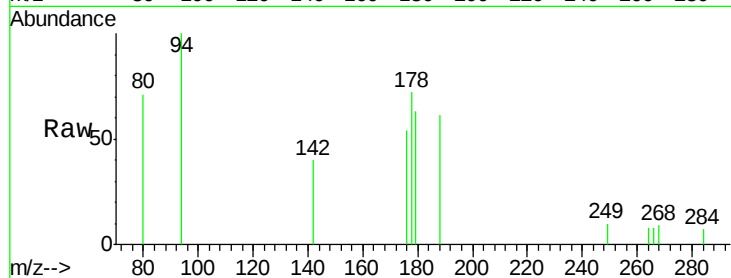
Tgt Ion:178 Resp: 808

Ion Ratio Lower Upper

178 100

176 0.0 15.5 23.3#

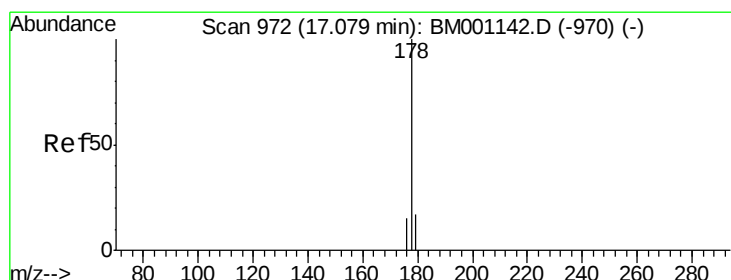
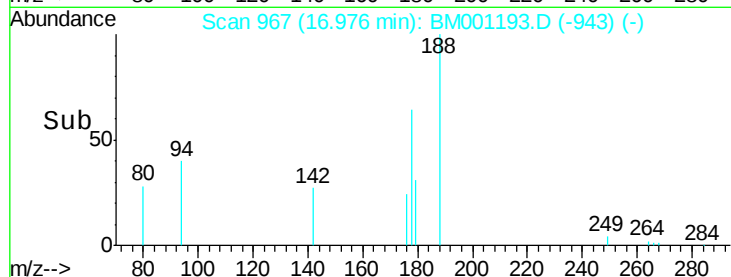
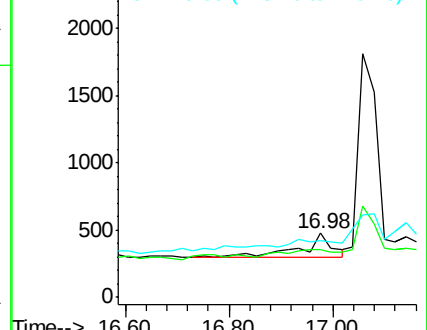
179 0.0 12.0 18.0#



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



#22

Anthracene

Concen: 0.18 ng

RT: 17.06 min Scan# 971

Delta R.T. -0.00 min

Lab File: BM001193.D

Acq: 04 May 2015 20:49

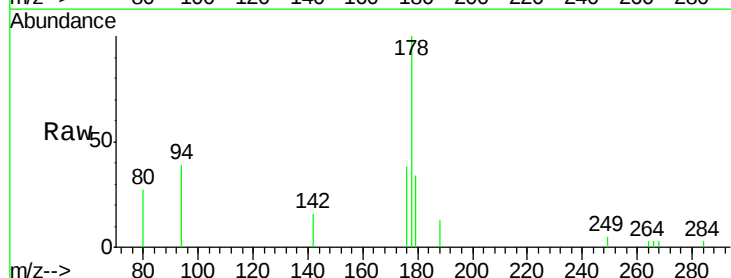
Tgt Ion:178 Resp: 3428

Ion Ratio Lower Upper

178 100

176 24.9 14.3 21.5#

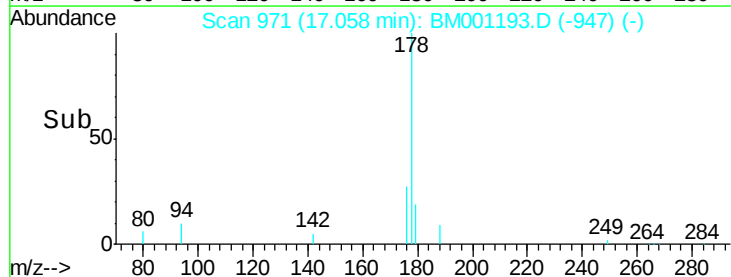
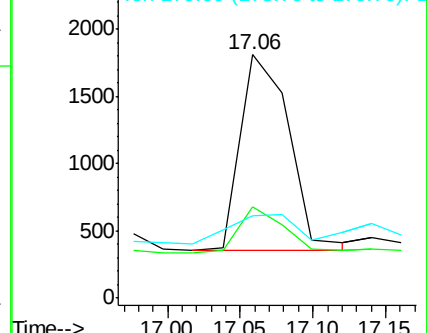
179 0.0 12.2 18.2#

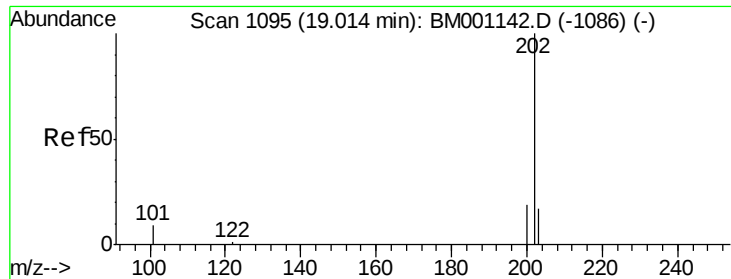


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#23

Fluoranthene

Concen: 0.04 ng

RT: 19.01 min Scan# 1095

Delta R.T. -0.00 min

Lab File: BM001193.D

Acq: 04 May 2015 20:49

Instrument :

BNA_M

ClientSampleId :

MPE-1

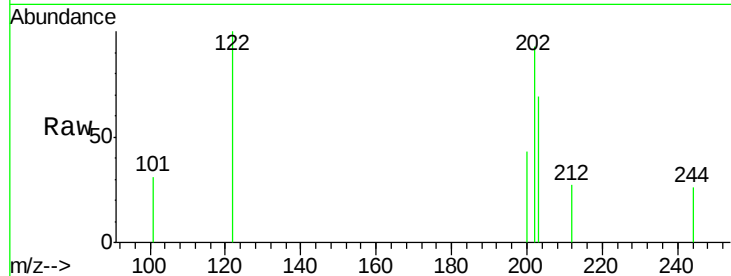
Tgt Ion:202 Resp: 871

Ion Ratio Lower Upper

202 100

101 27.4 9.3 13.9#

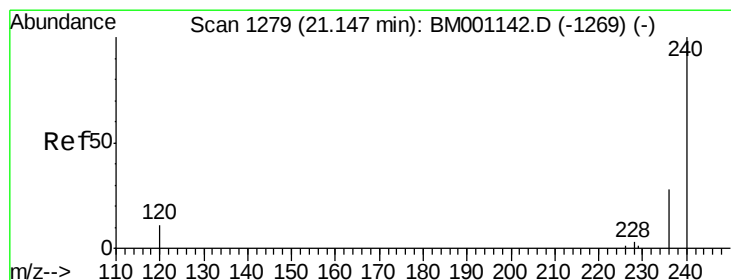
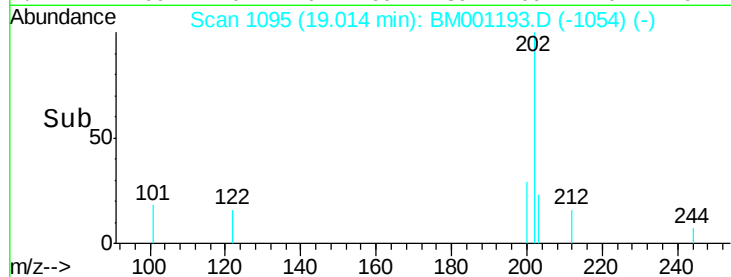
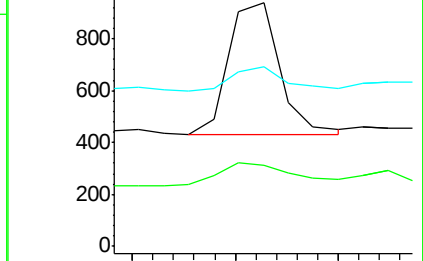
203 21.0 13.7 20.5#



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



#24

Chrysene-d12

Concen: 5.00 ng

RT: 21.15 min Scan# 1279

Delta R.T. -0.00 min

Lab File: BM001193.D

Acq: 04 May 2015 20:49

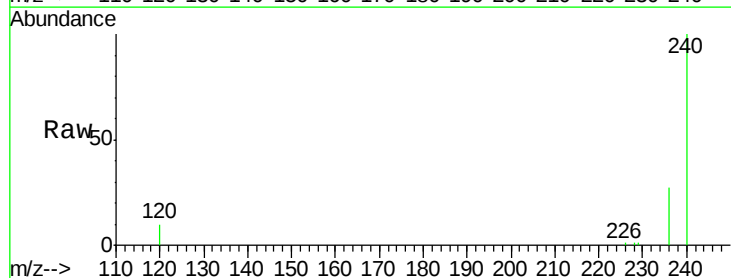
Tgt Ion:240 Resp: 72822

Ion Ratio Lower Upper

240 100

120 9.6 9.2 13.8

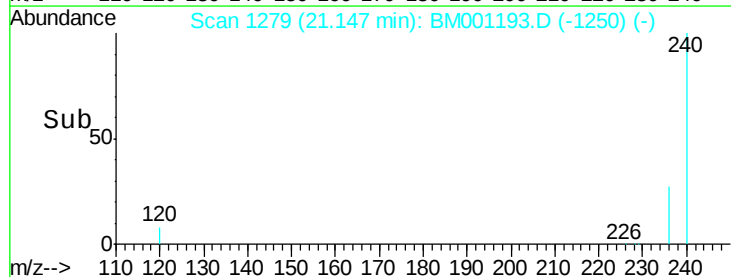
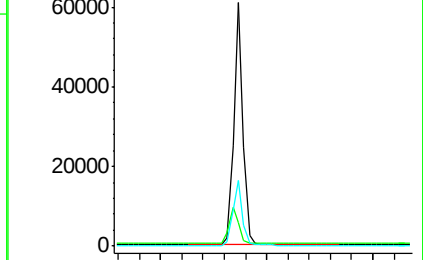
236 26.9 22.4 33.6

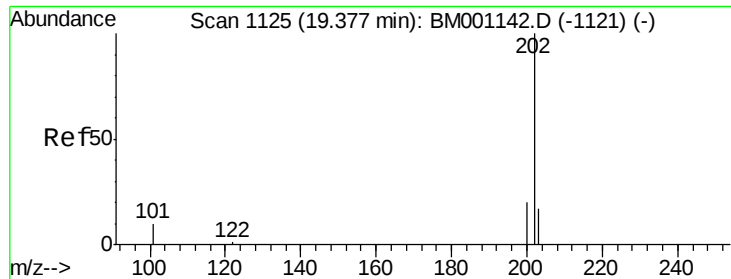


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

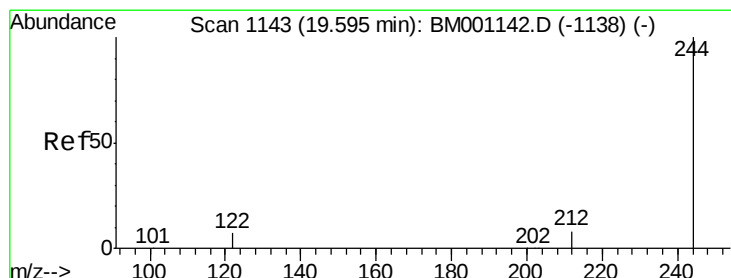
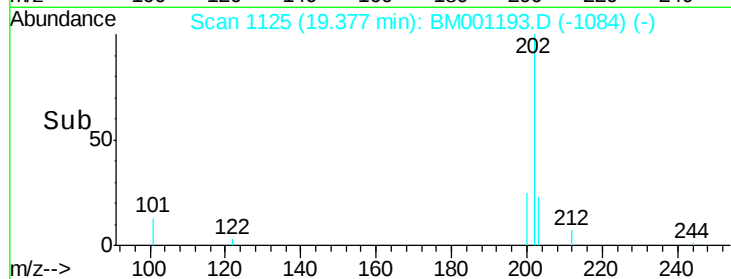
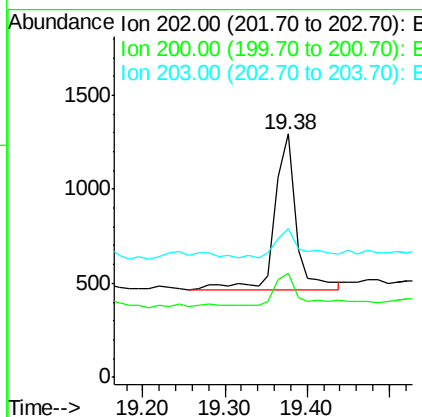
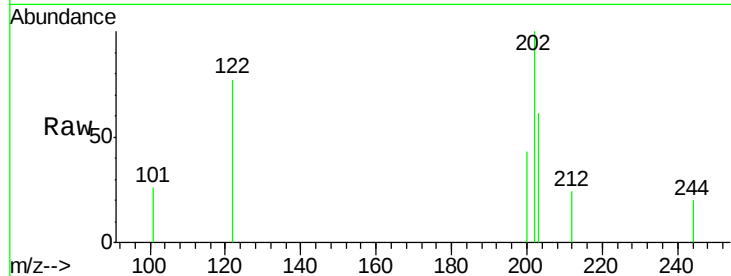




#25
 Pyrene
 Concen: 0.07 ng
 RT: 19.38 min Scan# 1125
 Delta R.T. -0.00 min
 Lab File: BM001193.D
 Acq: 04 May 2015 20:49

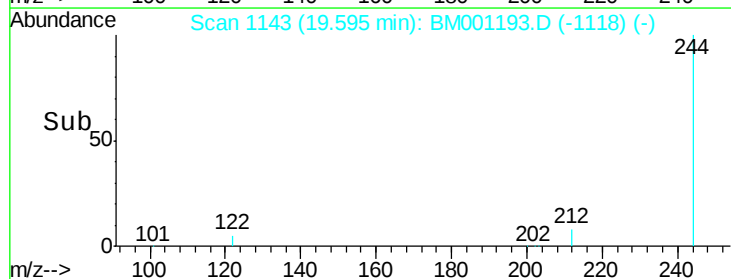
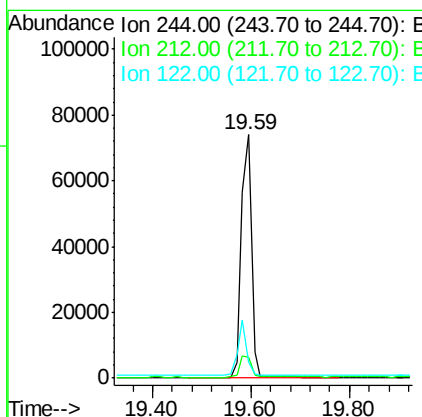
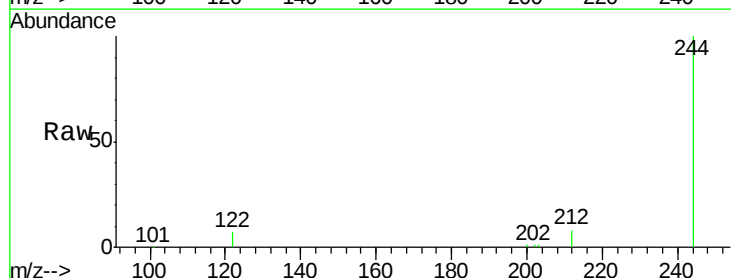
Instrument :
 BNA_M
 ClientSampled :
 MPE-1

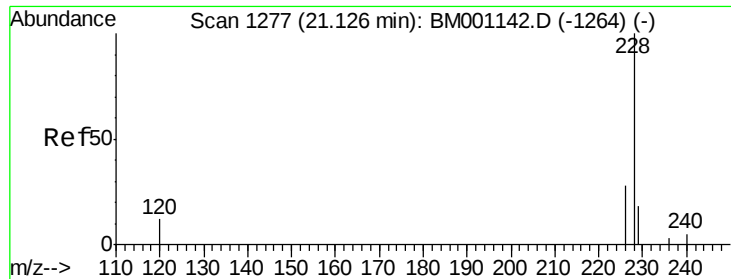
Tgt Ion: 202 Resp: 1497
 Ion Ratio Lower Upper
 202 100
 200 25.8 16.4 24.6#
 203 21.7 13.8 20.6#



#26
 Terphenyl-d14
 Concen: 10.39 ng
 RT: 19.59 min Scan# 1143
 Delta R.T. -0.00 min
 Lab File: BM001193.D
 Acq: 04 May 2015 20:49

Tgt Ion: 244 Resp: 104290
 Ion Ratio Lower Upper
 244 100
 212 8.5 7.1 10.7
 122 6.6 6.2 9.4





#27

Benzo(a)anthracene

Concen: 0.03 ng

RT: 21.14 min Scan# 1278

Delta R.T. 0.01 min

Lab File: BM001193.D

Acq: 04 May 2015 20:49

Instrument :

BNA_M

ClientSampleId :

MPE-1

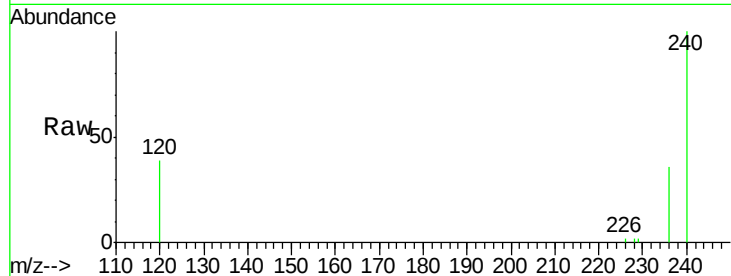
Tgt Ion:228 Resp: 627

Ion Ratio Lower Upper

228 100

226 65.3 22.8 34.2#

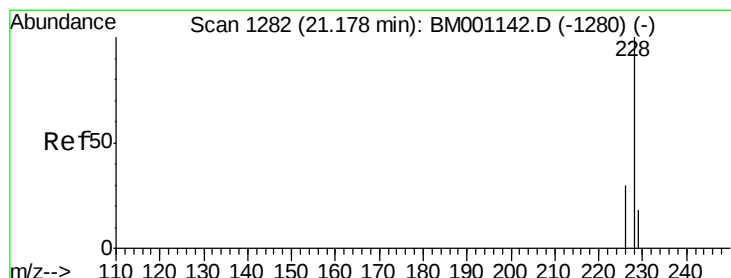
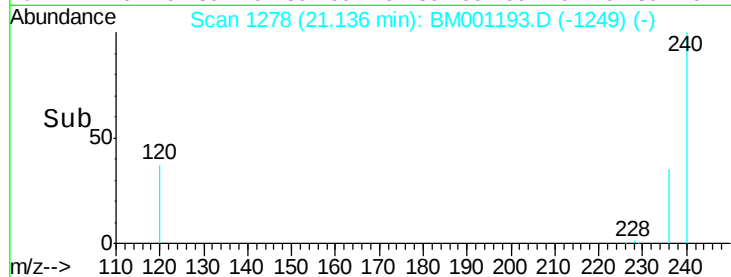
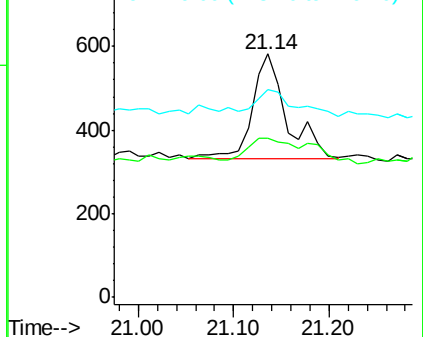
229 85.4 14.4 21.6#



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



#28

Chrysene

Concen: 0.03 ng

RT: 21.14 min Scan# 1278

Delta R.T. -0.04 min

Lab File: BM001193.D

Acq: 04 May 2015 20:49

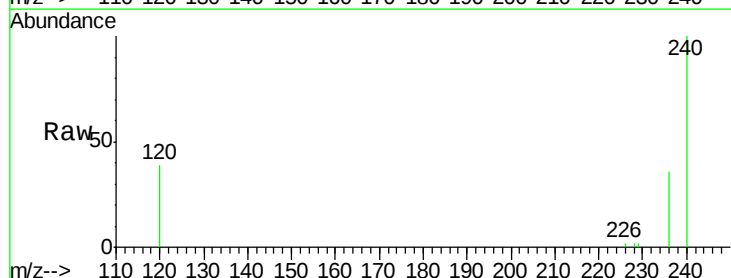
Tgt Ion:228 Resp: 627

Ion Ratio Lower Upper

228 100

226 65.3 24.4 36.6#

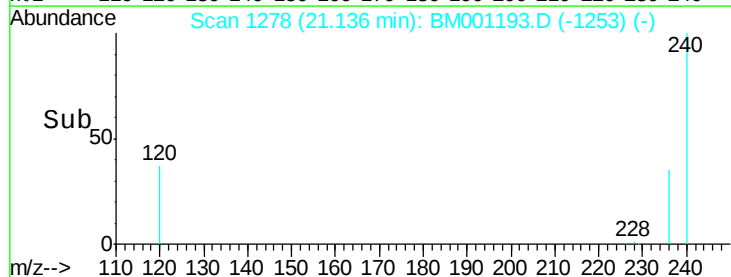
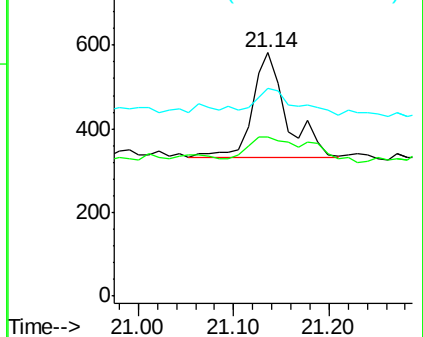
229 85.4 14.3 21.5#

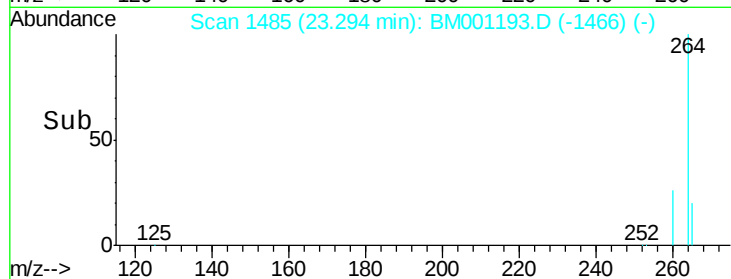
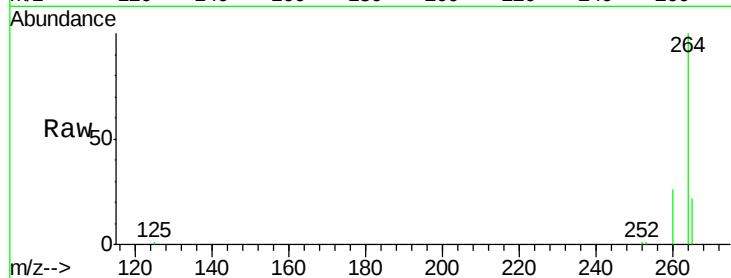
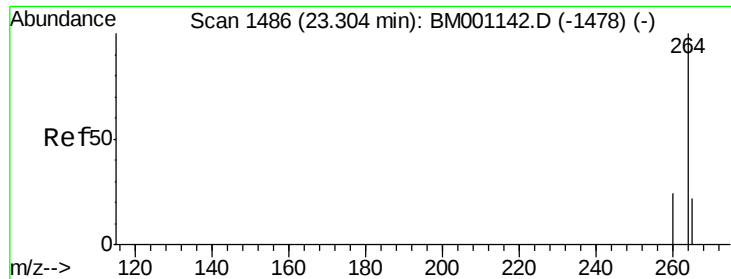


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#30

Perylene-d12

Concen: 5.00 ng

RT: 23.29 min Scan# 1485

Delta R.T. -0.00 min

Lab File: BM001193.D

Acq: 04 May 2015 20:49

Instrument :

BNA_M

ClientSampleId :

MPE-1

Tgt Ion:264 Resp: 54491

Ion Ratio Lower Upper

264 100

260 26.1 18.9 28.3

265 21.8 18.1 27.1

