

Data Path : Z:\HPCHEM1\BNA_M\Data\BM060815\
 Data File : BM001607.D
 Acq On : 09 Jun 2015 05:24
 Operator : TP/IZ
 Sample : PB83802BL
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 PB83802BL

Quant Time: Jun 09 18:13:20 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SIM-BM060815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 09 17:36:38 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.70	152	23350	5.00	ng	0.00
6) Naphthalene-d8	10.47	136	81715	5.00	ng	0.00
12) Acenaphthene-d10	14.35	164	36926	5.00	ng	0.00
18) Phenanthrene-d10	17.09	188	46036	5.00	ng	0.03
25) Chrysene-d12	21.28	240	62384	5.00	ng	0.00
32) Perylene-d12	23.51	264	55904	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.27	112	73067	13.76	ng	-0.02
5) Phenol-d6	6.84	99	94802	14.53	ng	-0.02
7) Nitrobenzene-d5	8.85	82	55918	9.71	ng	0.00
13) 2,4,6-Tribromophenol	15.83	330	25175	14.11	ng	0.00
14) 2-Fluorobiphenyl	12.96	172	114493	9.53	ng	0.00
27) Terphenyl-d14	19.72	244	79392	9.75	ng	0.00

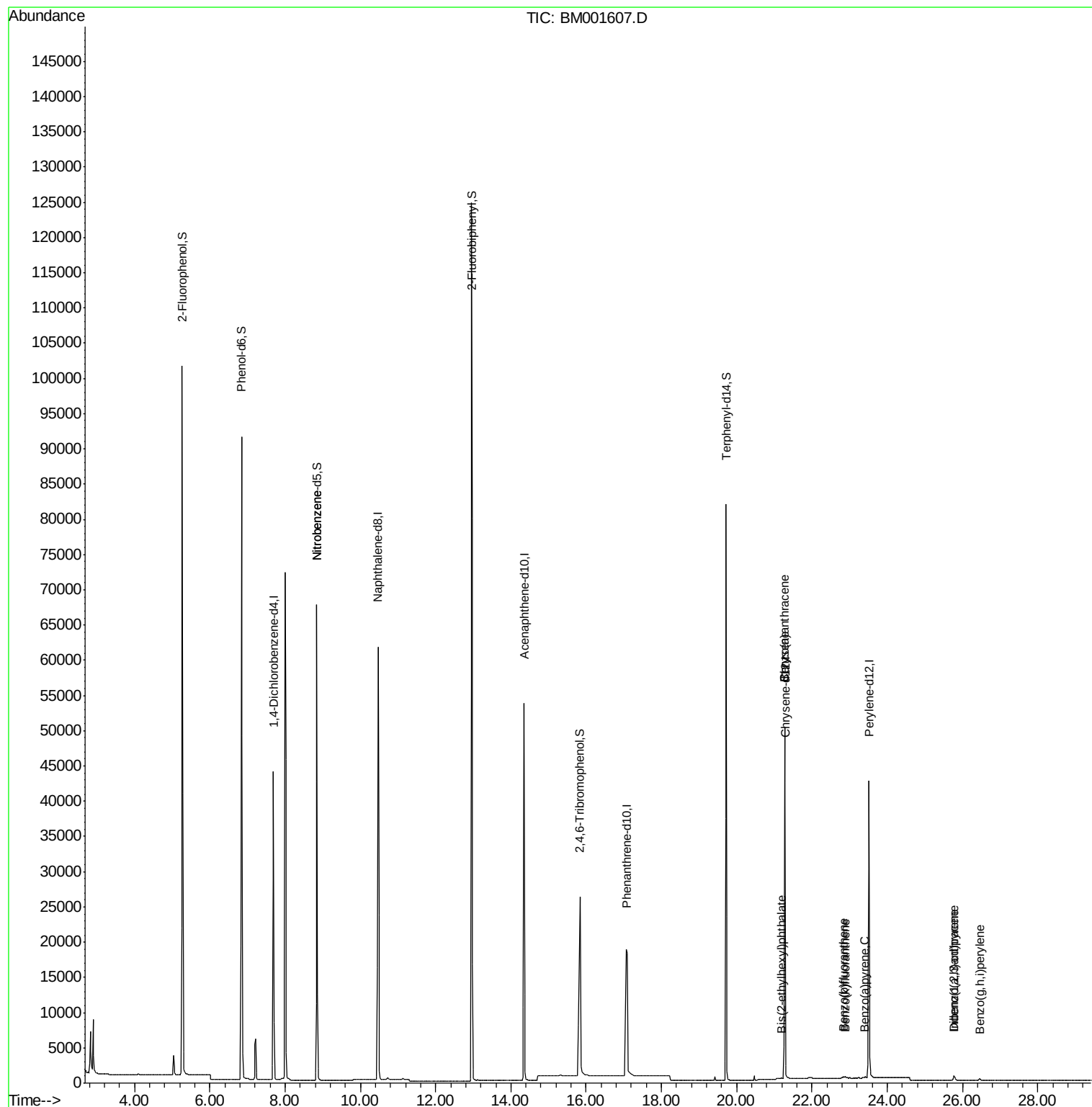
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Nitrobenzene	8.85	77	202	0.03	ng	# 36
28) Benzo(a)anthracene	21.27	228	714	0.04	ng	# 82
29) Chrysene	21.27	228	727	0.04	ng	# 83
30) Bis(2-ethylhexyl)phthalate	21.19	149	290	0.03	ng	# 89
31) Indeno(1,2,3-cd)pyrene	25.76	276	965	0.06	ng	# 99
33) Benzo(b)fluoranthene	22.83	252	407	0.02	ng	# 8
34) Benzo(k)fluoranthene	22.88	252	370	0.02	ng	# 13
35) Benzo(a)pyrene	23.41	252	427	0.03	ng	# 7
36) Dibenzo(a,h)anthracene	25.78	278	958	0.07	ng	# 68
37) Benzo(g,h,i)perylene	26.45	276	718	0.05	ng	# 62

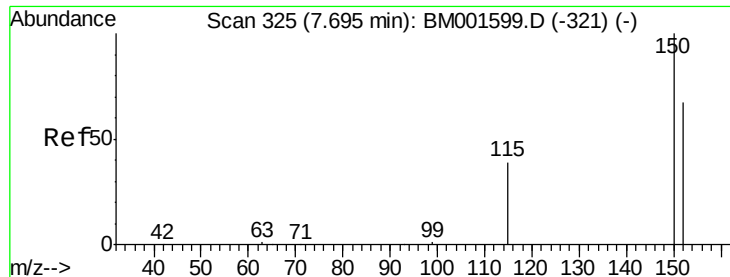
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.70 min Scan# 325

Delta R.T. 0.00 min

Lab File: BM001607.D

Acq: 09 Jun 2015 05:24

Instrument :

BNA_M

ClientSampled :

PB83802BL

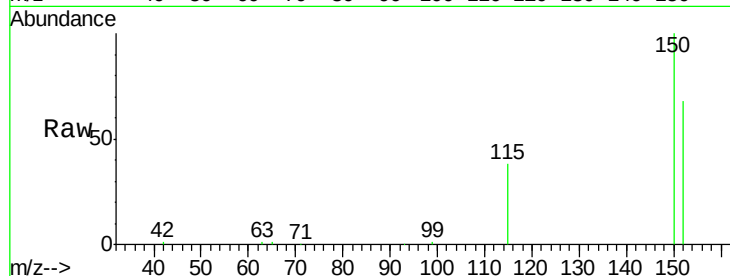
Tgt Ion:152 Resp: 23350

Ion Ratio Lower Upper

152 100

150 146.2 120.1 180.1

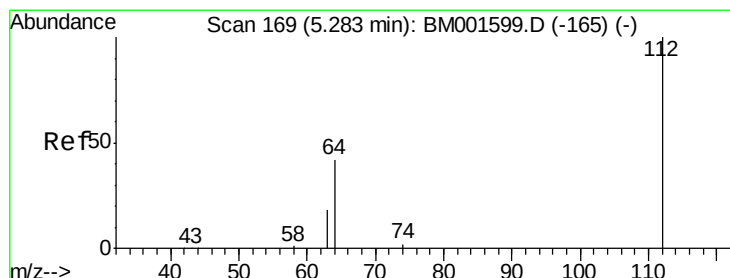
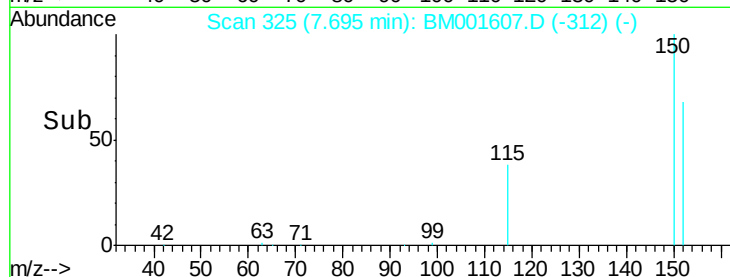
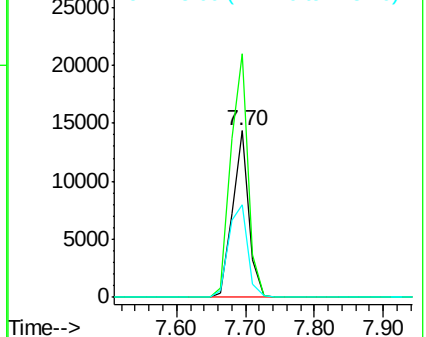
115 55.6 47.0 70.6



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: 13.76 ng

RT: 5.27 min Scan# 168

Delta R.T. -0.02 min

Lab File: BM001607.D

Acq: 09 Jun 2015 05:24

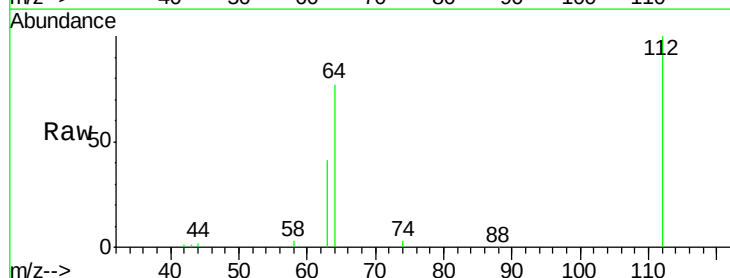
Tgt Ion:112 Resp: 73067

Ion Ratio Lower Upper

112 100

64 67.9 54.8 82.2

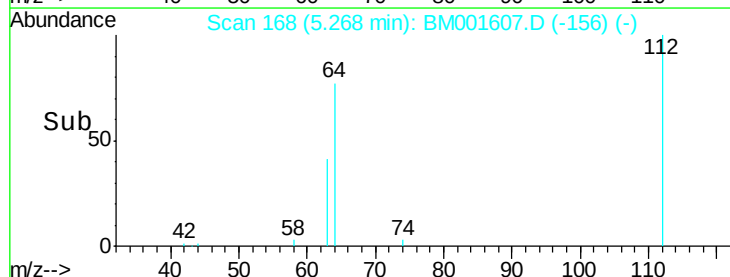
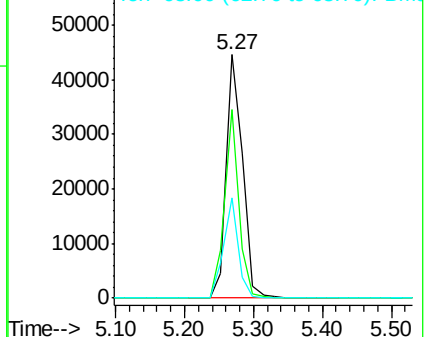
63 37.1 30.5 45.7

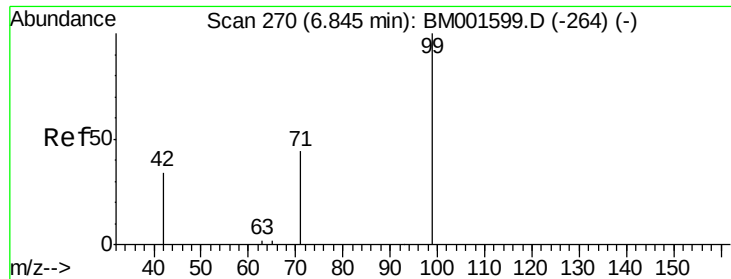


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BM0

Ion 63.00 (62.70 to 63.70): BM0





#5

Phenol-d6

Concen: 14.53 ng

RT: 6.84 min Scan# 270

Delta R.T. -0.02 min

Lab File: BM001607.D

Acq: 09 Jun 2015 05:24

Instrument :

BNA_M

ClientSampleId :

PB83802BL

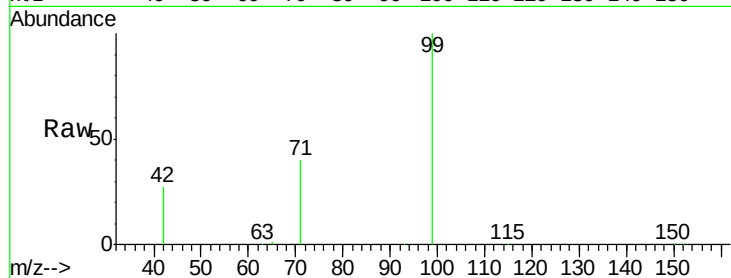
Tgt Ion: 99 Resp: 94802

Ion Ratio Lower Upper

99 100

42 24.8 21.6 32.4

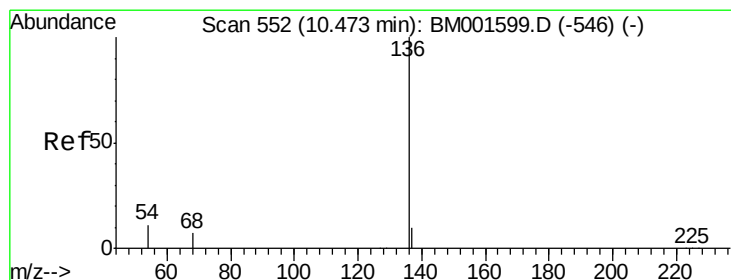
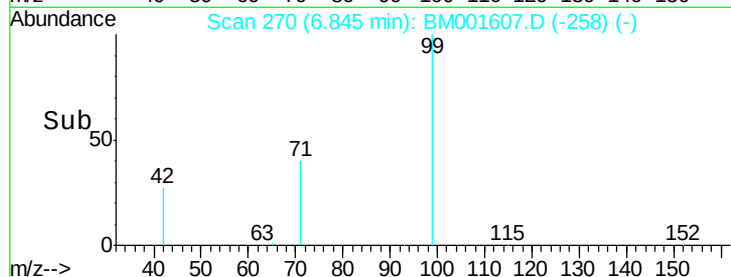
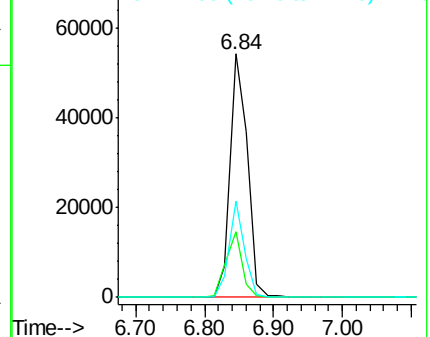
71 35.2 28.7 43.1



Abundance Ion 99.00 (98.70 to 99.70): BM001599.D (-264) (-)

Ion 42.00 (41.70 to 42.70): BM001599.D (-264) (-)

Ion 71.00 (70.70 to 71.70): BM001599.D (-264) (-)



#6

Naphthalene-d8

Concen: 5.00 ng

RT: 10.47 min Scan# 552

Delta R.T. 0.00 min

Lab File: BM001607.D

Acq: 09 Jun 2015 05:24

Tgt Ion: 136 Resp: 81715

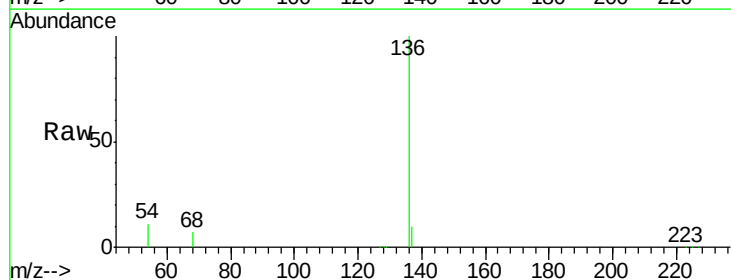
Ion Ratio Lower Upper

136 100

137 10.4 8.3 12.5

54 10.6 9.2 13.8

68 6.6 5.5 8.3

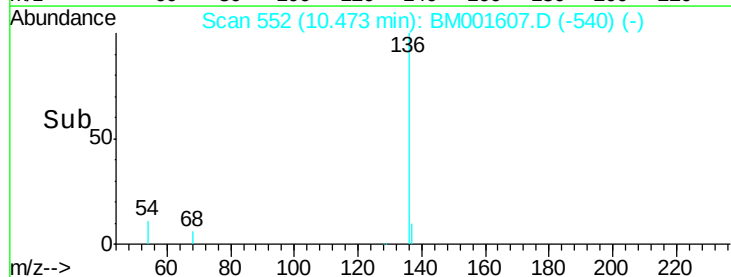
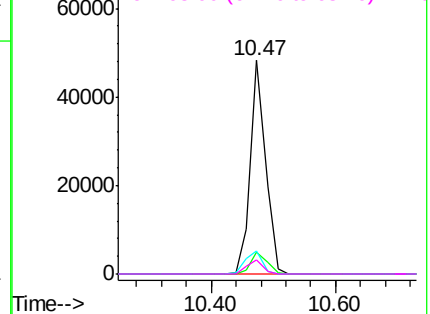


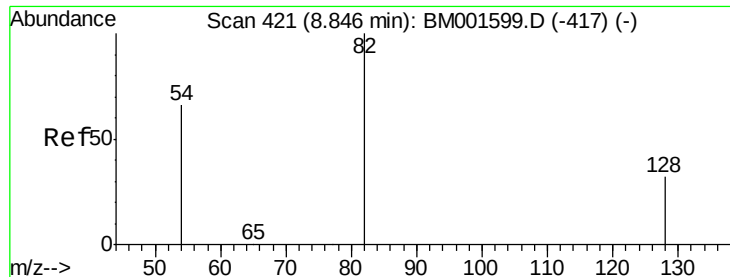
Abundance Ion 136.00 (135.70 to 136.70): BM001599.D (-546) (-)

Ion 137.00 (136.70 to 137.70): BM001599.D (-546) (-)

Ion 54.00 (53.70 to 54.70): BM001599.D (-546) (-)

Ion 68.00 (67.70 to 68.70): BM001599.D (-546) (-)





#7

Nitrobenzene-d5

Concen: 9.71 ng

RT: 8.85 min Scan# 421

Delta R.T. 0.00 min

Lab File: BM001607.D

Acq: 09 Jun 2015 05:24

Instrument :

BNA_M

ClientSampleId :

PB83802BL

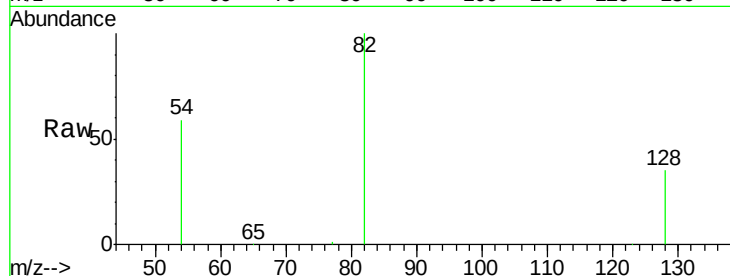
Tgt Ion: 82 Resp: 55918

Ion Ratio Lower Upper

82 100

128 34.6 26.6 40.0

54 59.4 53.0 79.6

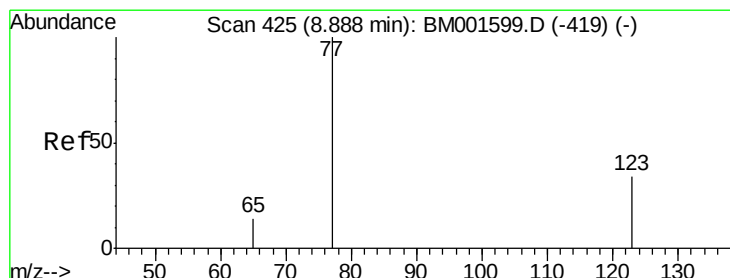
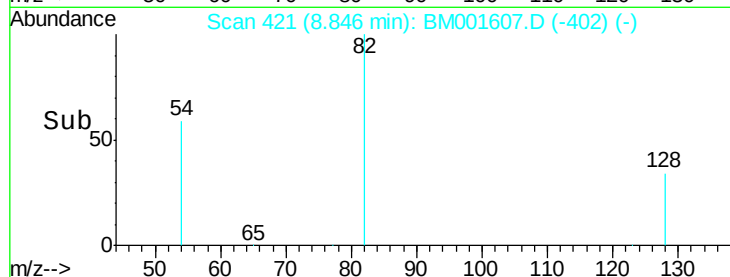


Abundance Ion 82.00 (81.70 to 82.70): BM001599.D (-417) (-)

Ion 128.00 (127.70 to 128.70): BM001599.D (-417) (-)

Ion 54.00 (53.70 to 54.70): BM001599.D (-417) (-)

Time-->



#8

Nitrobenzene

Concen: 0.03 ng

RT: 8.85 min Scan# 421

Delta R.T. -0.04 min

Lab File: BM001607.D

Acq: 09 Jun 2015 05:24

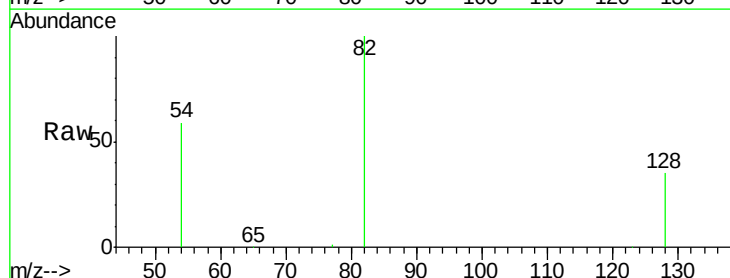
Tgt Ion: 77 Resp: 202

Ion Ratio Lower Upper

77 100

123 0.0 31.0 46.6#

65 40.1 11.4 17.0#

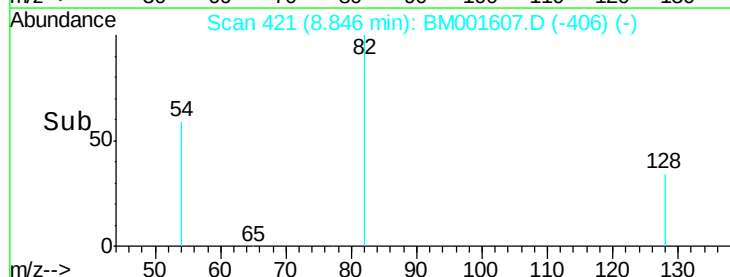


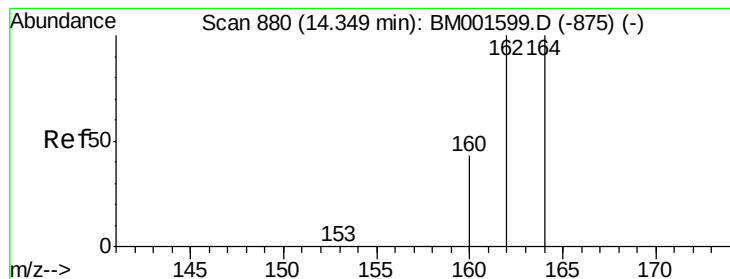
Abundance Ion 77.00 (76.70 to 77.70): BM001599.D (-419) (-)

Ion 123.00 (122.70 to 123.70): BM001599.D (-419) (-)

Ion 65.00 (64.70 to 65.70): BM001599.D (-419) (-)

Time-->





#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.35 min Scan# 880

Delta R.T. 0.01 min

Lab File: BM001607.D

Acq: 09 Jun 2015 05:24

Instrument :

BNA_M

ClientSampleId :

PB83802BL

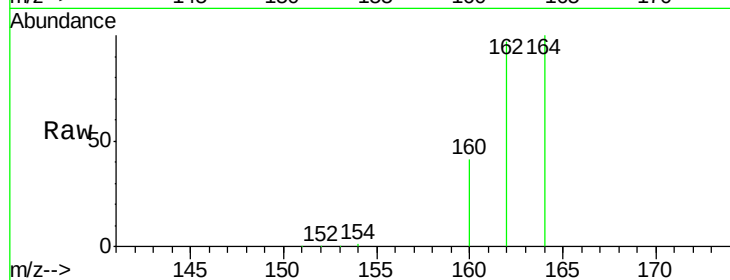
Tgt Ion:164 Resp: 36926

Ion Ratio Lower Upper

164 100

162 97.0 79.8 119.6

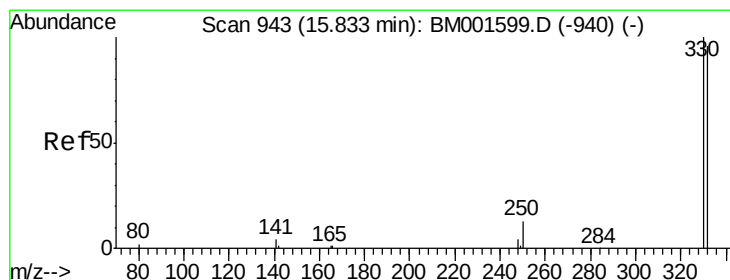
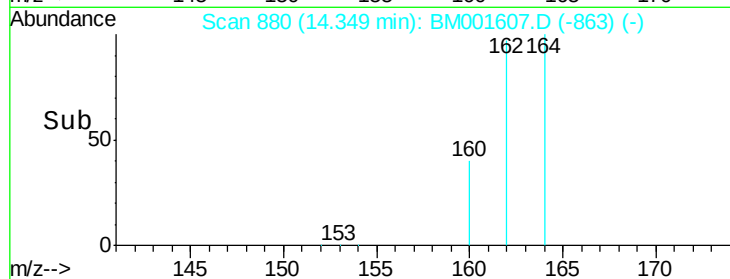
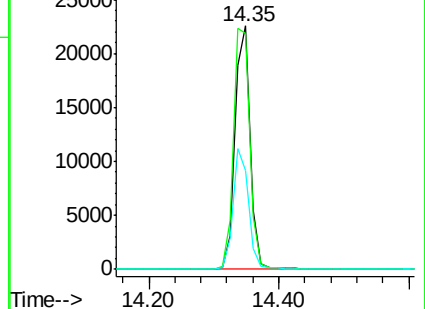
160 40.6 34.6 51.8



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



#13

2,4,6-Tribromophenol

Concen: 14.11 ng

RT: 15.83 min Scan# 943

Delta R.T. -0.01 min

Lab File: BM001607.D

Acq: 09 Jun 2015 05:24

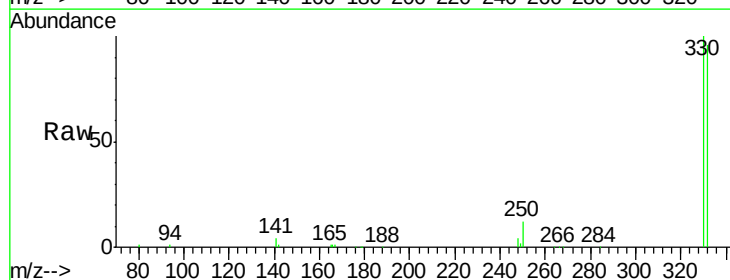
Tgt Ion:330 Resp: 25175

Ion Ratio Lower Upper

330 100

332 96.0 76.7 115.1

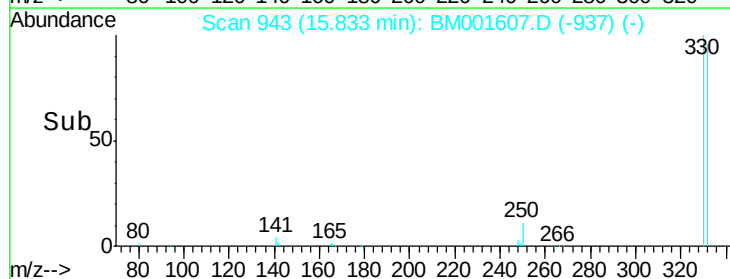
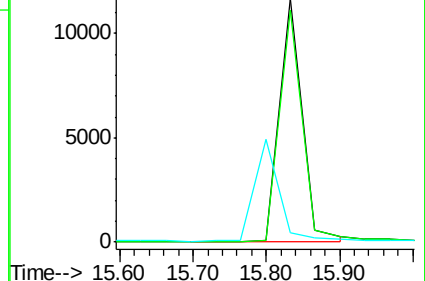
141 0.0 0.0 0.0

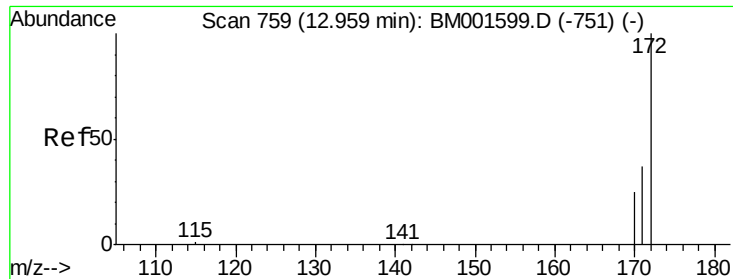


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

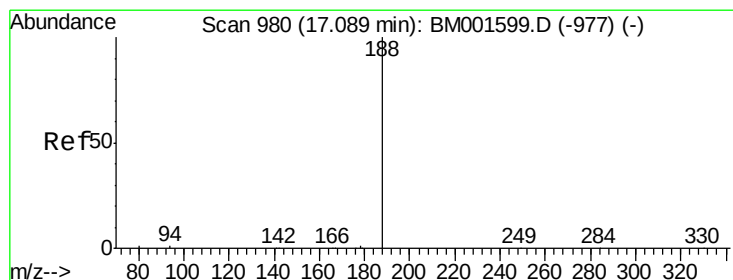
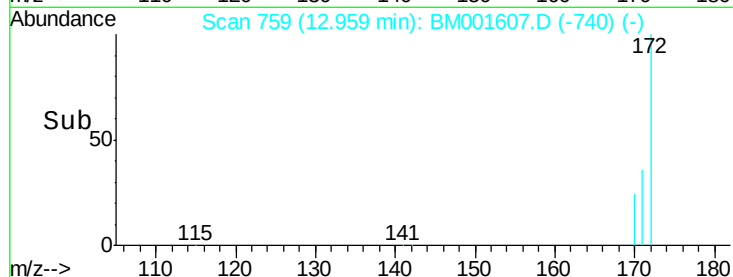
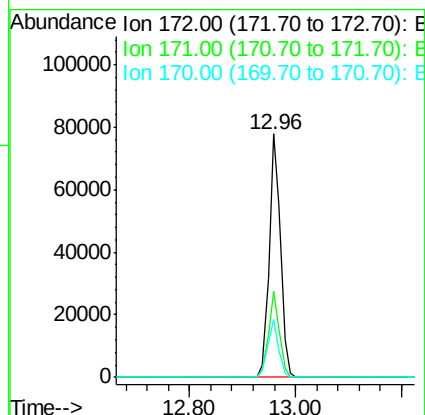
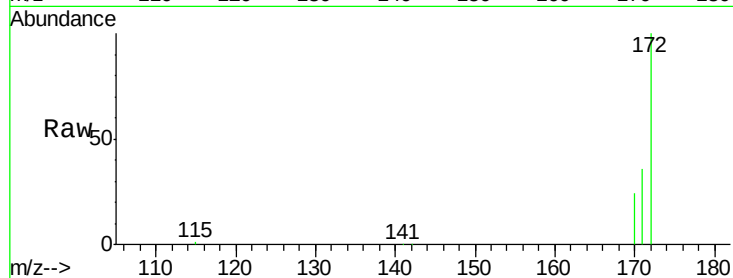




#14
2-Fluorobiphenyl
Concen: 9.53 ng
RT: 12.96 min Scan# 759
Delta R.T. -0.01 min
Lab File: BM001607.D
Acq: 09 Jun 2015 05:24

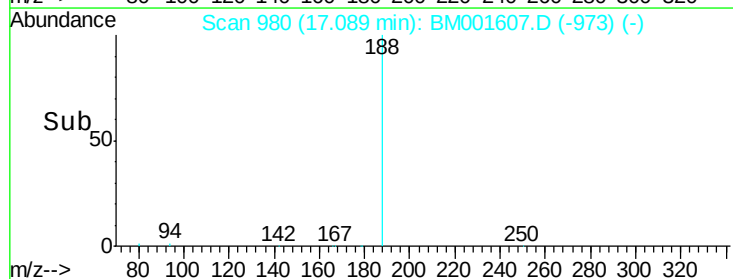
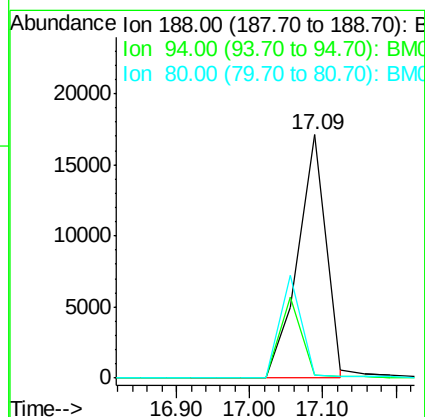
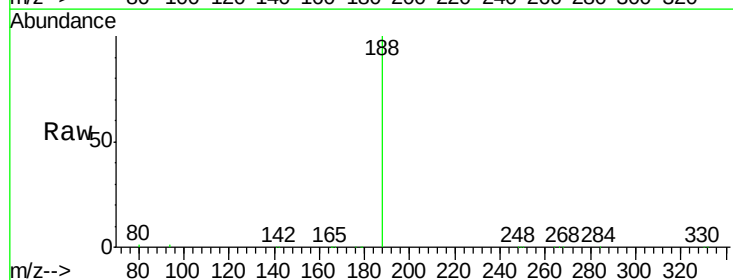
Instrument :
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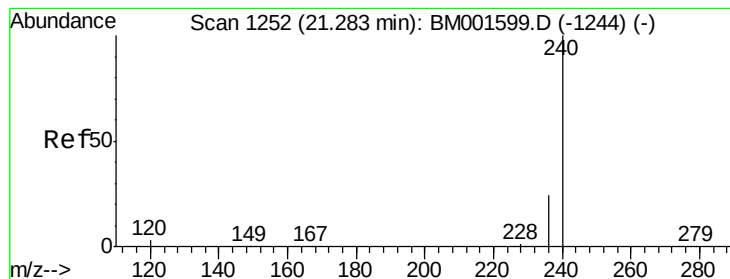
Tgt Ion:172 Resp: 114493
Ion Ratio Lower Upper
172 100
171 35.6 29.6 44.4
170 24.0 20.6 31.0



#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.09 min Scan# 980
Delta R.T. 0.03 min
Lab File: BM001607.D
Acq: 09 Jun 2015 05:24

Tgt Ion:188 Resp: 46036
Ion Ratio Lower Upper
188 100
94 1.4 1.0 1.6
80 1.5 1.0 1.4#





#25

Chrysene-d12

Concen: 5.00 ng

RT: 21.28 min Scan# 1252

Delta R.T. 0.00 min

Lab File: BM001607.D

Acq: 09 Jun 2015 05:24

Instrument :

BNA_M

ClientSampleId :

PB83802BL

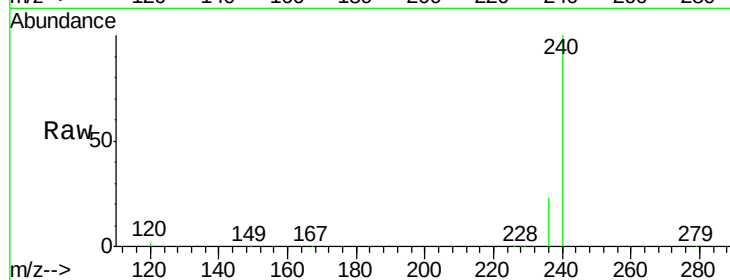
Tgt Ion:240 Resp: 62384

Ion Ratio Lower Upper

240 100

120 2.1 2.2 3.4#

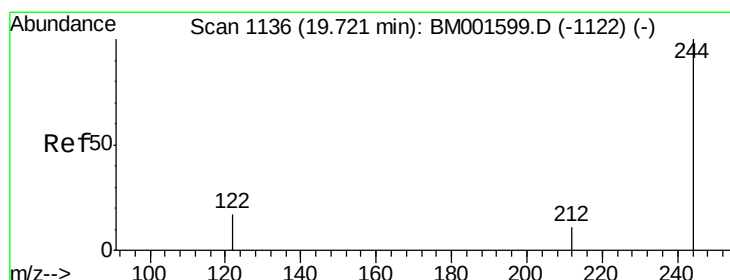
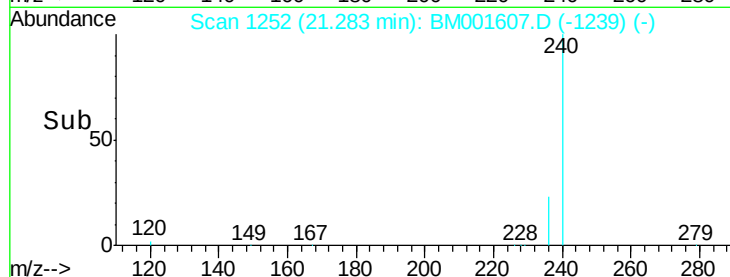
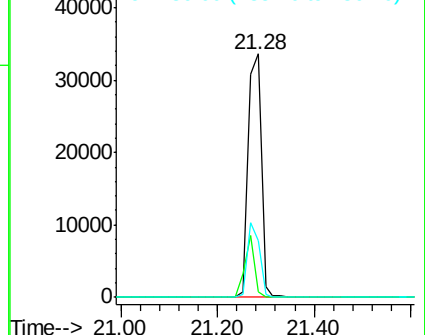
236 23.2 19.6 29.4



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

Terphenyl-d14

Concen: 9.75 ng

RT: 19.72 min Scan# 1136

Delta R.T. 0.00 min

Lab File: BM001607.D

Acq: 09 Jun 2015 05:24

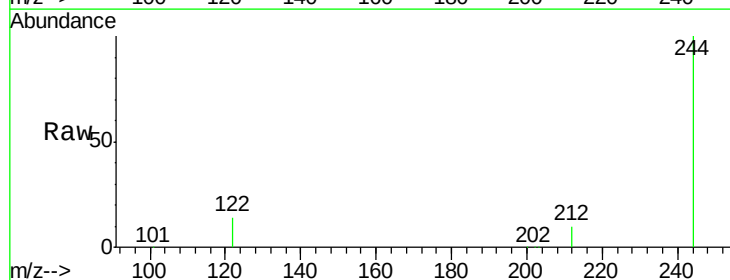
Tgt Ion:244 Resp: 79392

Ion Ratio Lower Upper

244 100

212 10.4 9.2 13.8

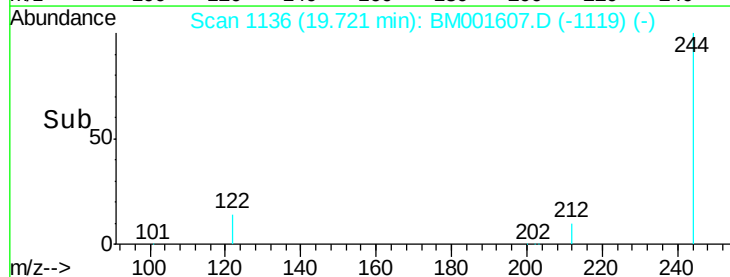
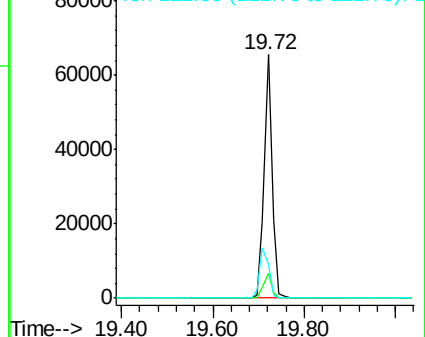
122 13.8 14.5 21.7#

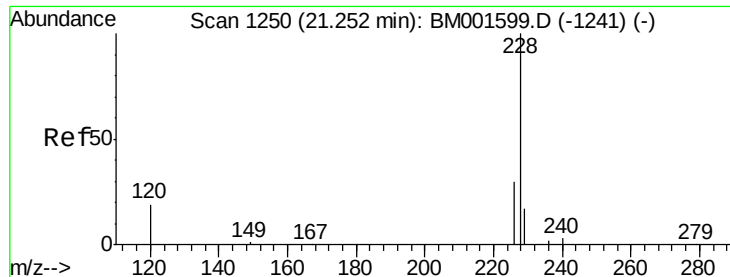


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#28

Benzo(a)anthracene

Concen: 0.04 ng

RT: 21.27 min Scan# 1251

Delta R.T. 0.02 min

Lab File: BM001607.D

Acq: 09 Jun 2015 05:24

Instrument :

BNA_M

ClientSampleId :

PB83802BL

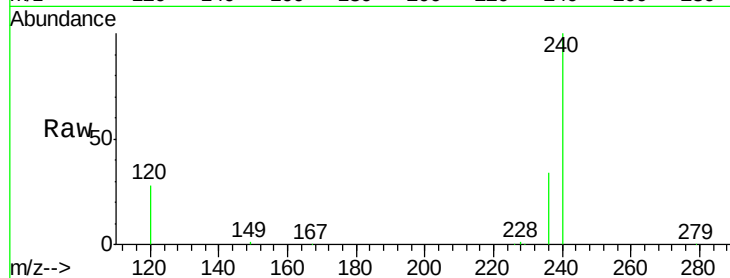
Tgt Ion:228 Resp: 714

Ion Ratio Lower Upper

228 100

226 28.7 24.6 37.0

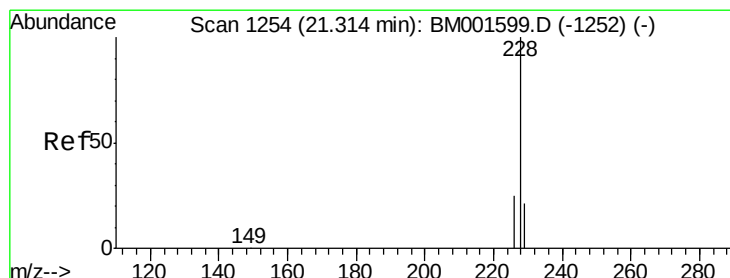
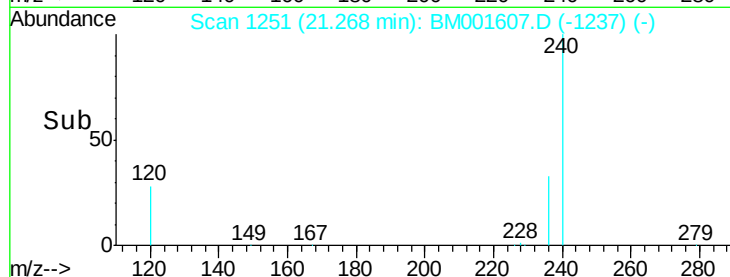
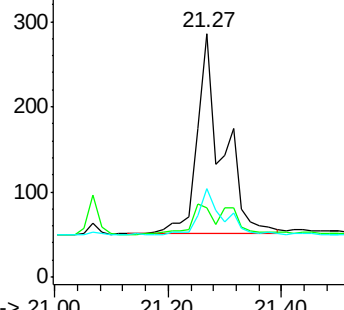
229 36.4 13.8 20.8#



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



#29

Chrysene

Concen: 0.04 ng

RT: 21.27 min Scan# 1251

Delta R.T. -0.04 min

Lab File: BM001607.D

Acq: 09 Jun 2015 05:24

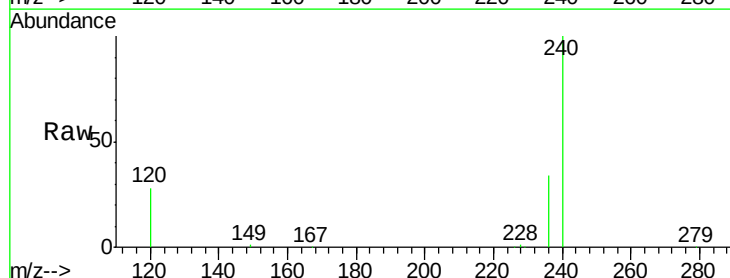
Tgt Ion:228 Resp: 727

Ion Ratio Lower Upper

228 100

226 28.7 20.6 31.0

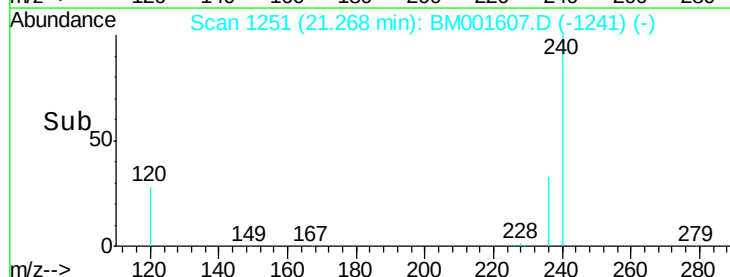
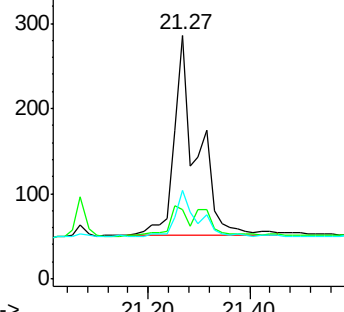
229 36.4 17.4 26.2#

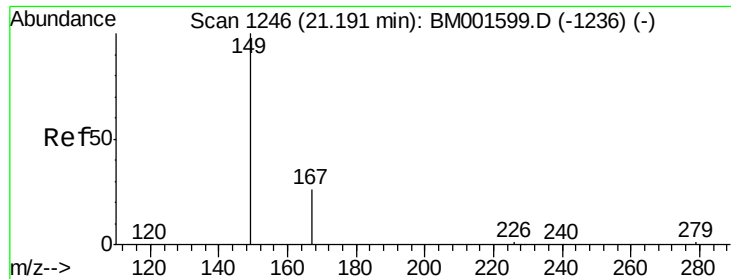


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#30

Bis(2-ethylhexyl)phthalate

Concen: 0.03 ng

RT: 21.19 min Scan# 1246

Delta R.T. 0.00 min

Lab File: BM001607.D

Acq: 09 Jun 2015 05:24

Instrument :

BNA_M

ClientSampleId :

PB83802BL

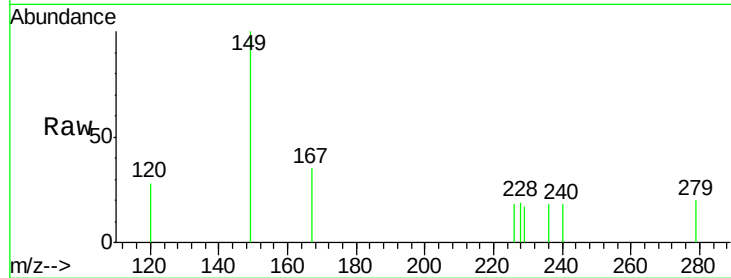
Tgt Ion:149 Resp: 290

Ion Ratio Lower Upper

149 100

167 19.3 20.2 30.4#

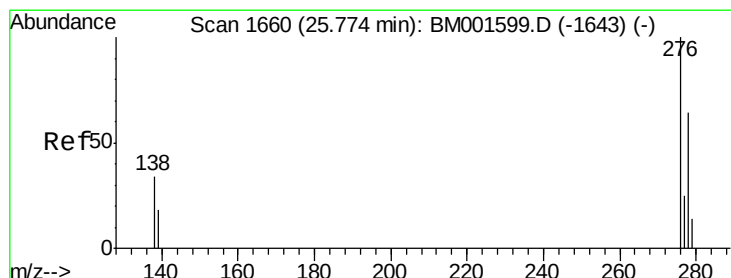
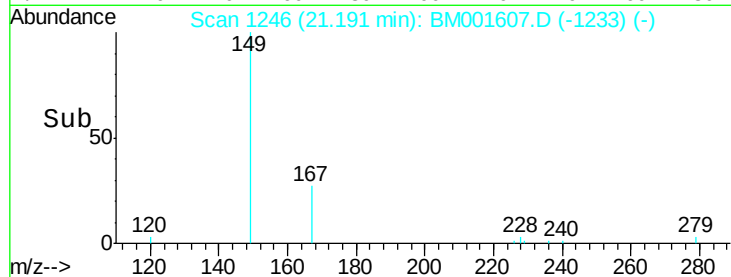
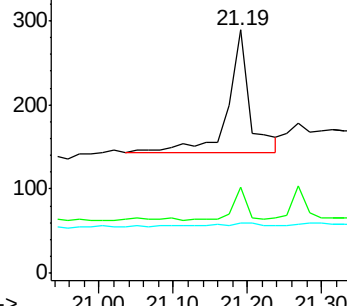
279 3.4 1.7 2.5#



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



#31

Indeno(1,2,3-cd)pyrene

Concen: 0.06 ng

RT: 25.76 min Scan# 1659

Delta R.T. -0.01 min

Lab File: BM001607.D

Acq: 09 Jun 2015 05:24

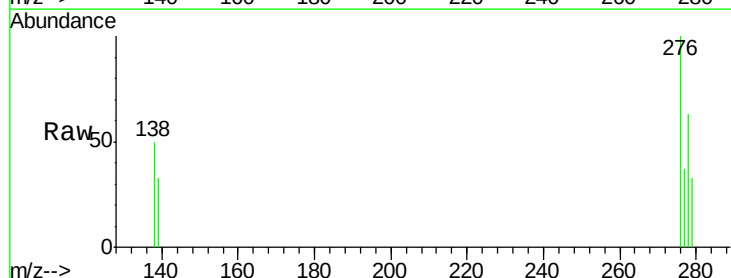
Tgt Ion:276 Resp: 965

Ion Ratio Lower Upper

276 100

138 35.5 28.2 42.2

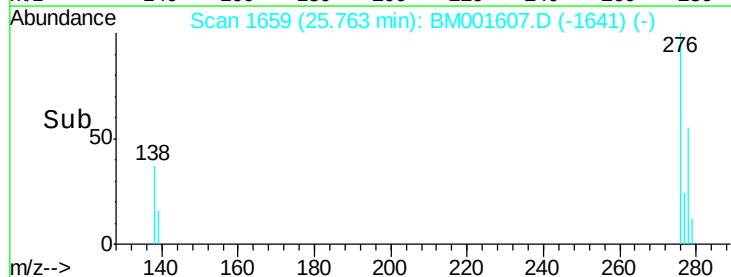
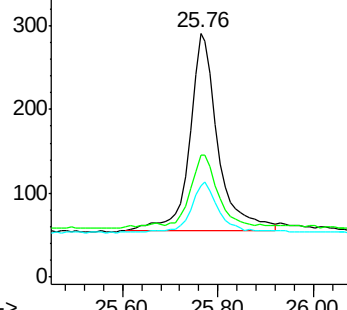
277 24.0 19.4 29.2

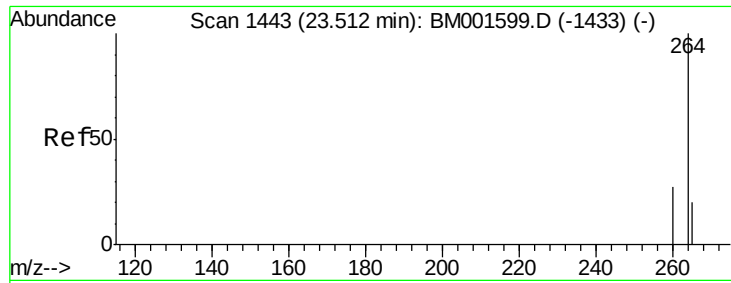


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



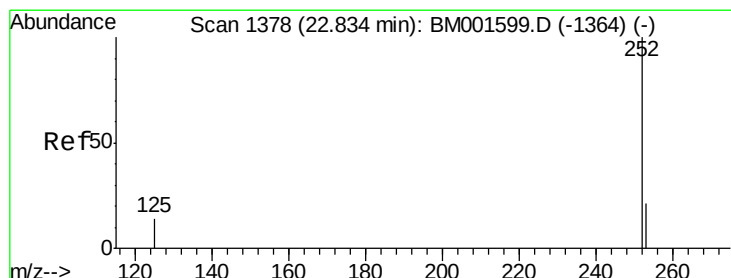
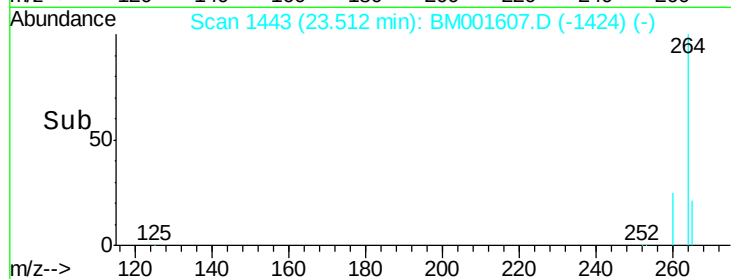
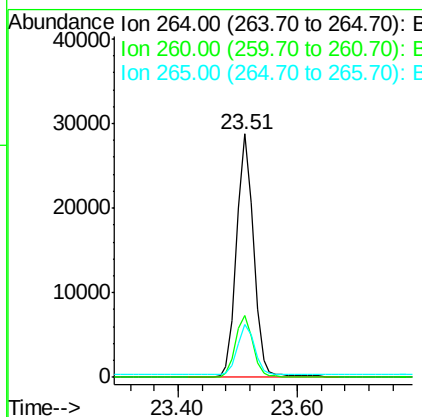
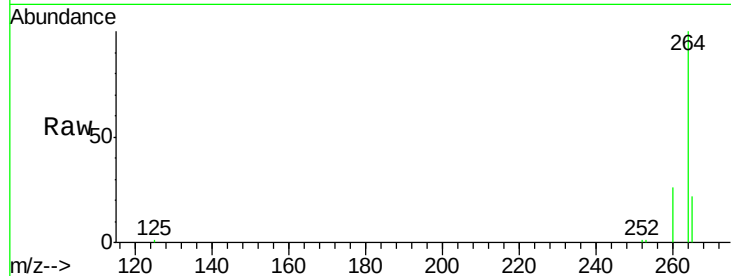


#32
Perylene-d12
Concen: 5.00 ng
RT: 23.51 min Scan# 1443
Delta R.T. 0.00 min
Lab File: BM001607.D
Acq: 09 Jun 2015 05:24

Instrument :
BNA_M
ClientSampleId :
PB83802BL

Tgt Ion: 264 Resp: 55904

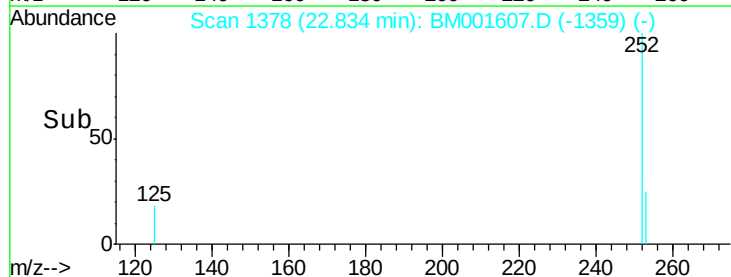
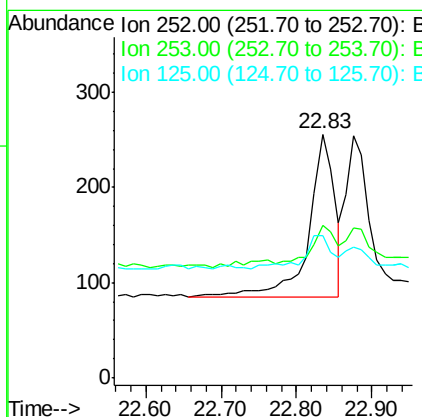
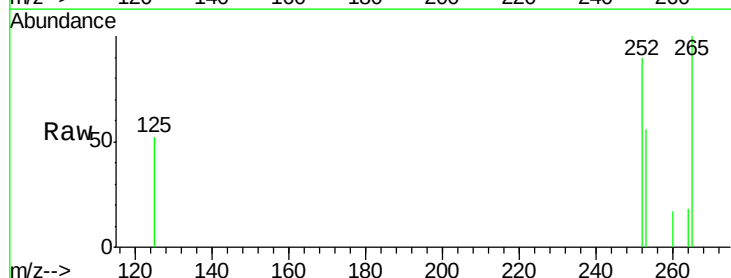
Ion	Ratio	Lower	Upper
264	100		
260	25.6	21.8	32.6
265	21.6	16.8	25.2

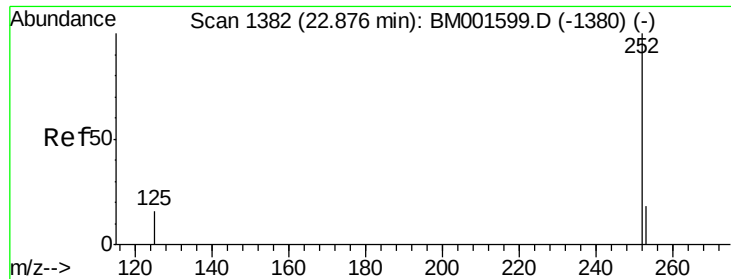


#33
Benzo(b)fluoranthene
Concen: 0.02 ng
RT: 22.83 min Scan# 1378
Delta R.T. 0.00 min
Lab File: BM001607.D
Acq: 09 Jun 2015 05:24

Tgt Ion: 252 Resp: 407

Ion	Ratio	Lower	Upper
252	100		
253	62.5	17.6	26.4#
125	58.6	12.4	18.6#





#34

Benzo(k)fluoranthene

Concen: 0.02 ng

RT: 22.88 min Scan# 1382

Delta R.T. -0.01 min

Lab File: BM001607.D

Acq: 09 Jun 2015 05:24

Instrument :

BNA_M

ClientSampleId :

PB83802BL

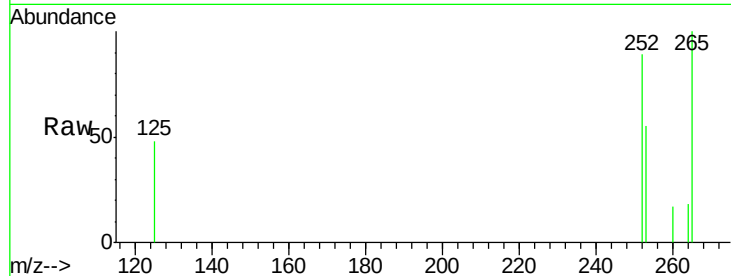
Tgt Ion:252 Resp: 370

Ion Ratio Lower Upper

252 100

253 61.6 17.1 25.7#

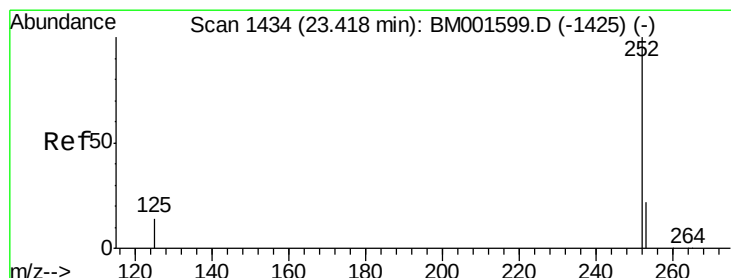
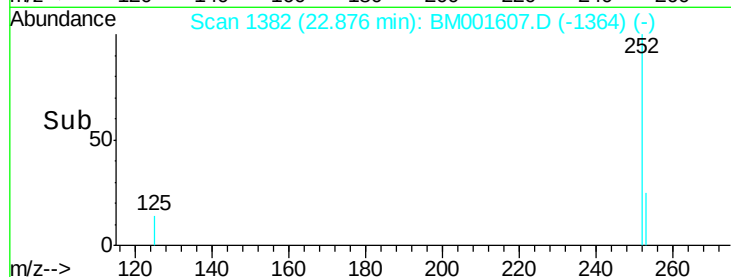
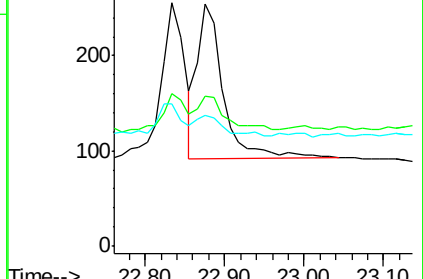
125 54.1 12.8 19.2#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#35

Benzo(a)pyrene

Concen: 0.03 ng

RT: 23.41 min Scan# 1433

Delta R.T. -0.01 min

Lab File: BM001607.D

Acq: 09 Jun 2015 05:24

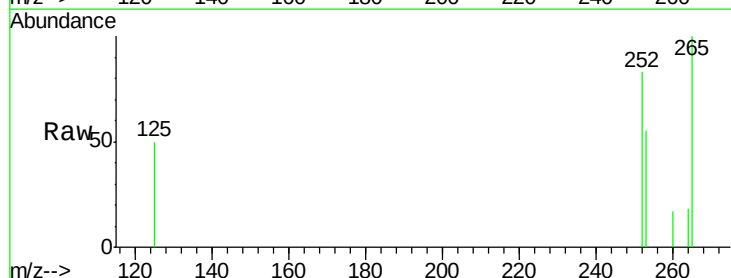
Tgt Ion:252 Resp: 427

Ion Ratio Lower Upper

252 100

253 66.7 19.4 29.0#

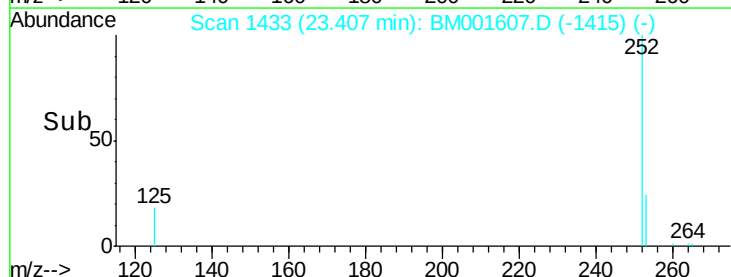
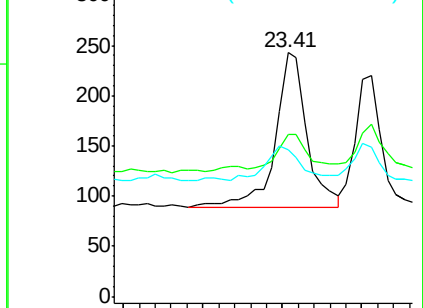
125 60.1 13.0 19.6#

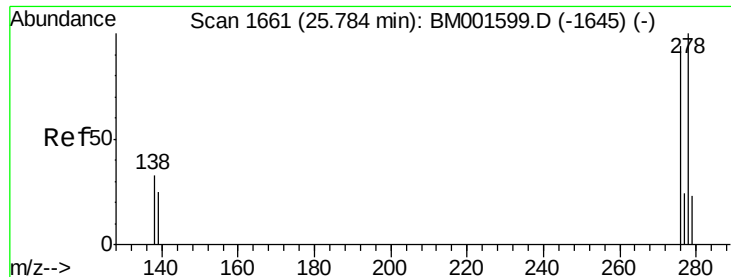


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



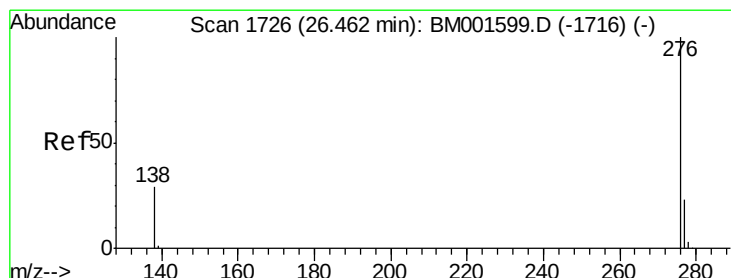
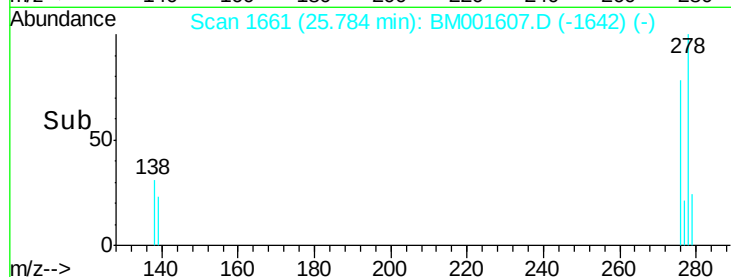
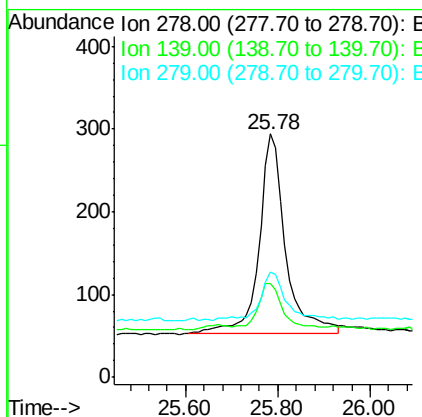
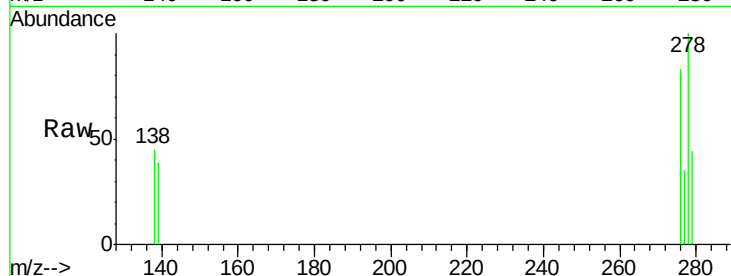


#36
Dibenzo(a,h)anthracene
Concen: 0.07 ng
RT: 25.78 min Scan# 1661
Delta R.T. 0.00 min
Lab File: BM001607.D
Acq: 09 Jun 2015 05:24

Instrument :
BNA_M
ClientSampleId :
PB83802BL

Tgt Ion: 278 Resp: 958

Ion	Ratio	Lower	Upper
278	100		
139	38.8	20.6	31.0#
279	43.5	19.7	29.5#



#37
Benzo(g,h,i)perylene
Concen: 0.05 ng
RT: 26.45 min Scan# 1725
Delta R.T. -0.01 min
Lab File: BM001607.D
Acq: 09 Jun 2015 05:24

Tgt Ion: 276 Resp: 718

Ion	Ratio	Lower	Upper
276	100		
277	41.0	19.4	29.0#
138	52.9	24.5	36.7#

