

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM060815\
 Data File : BM001618.D
 Acq On : 09 Jun 2015 15:24
 Operator : TP/IZ
 Sample : G2558-02
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 060515-P18-E-D-S

Quant Time: Jun 10 03:29:40 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SIM-BM060815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 10 03:26:36 2015
 Response via : Initial Calibration

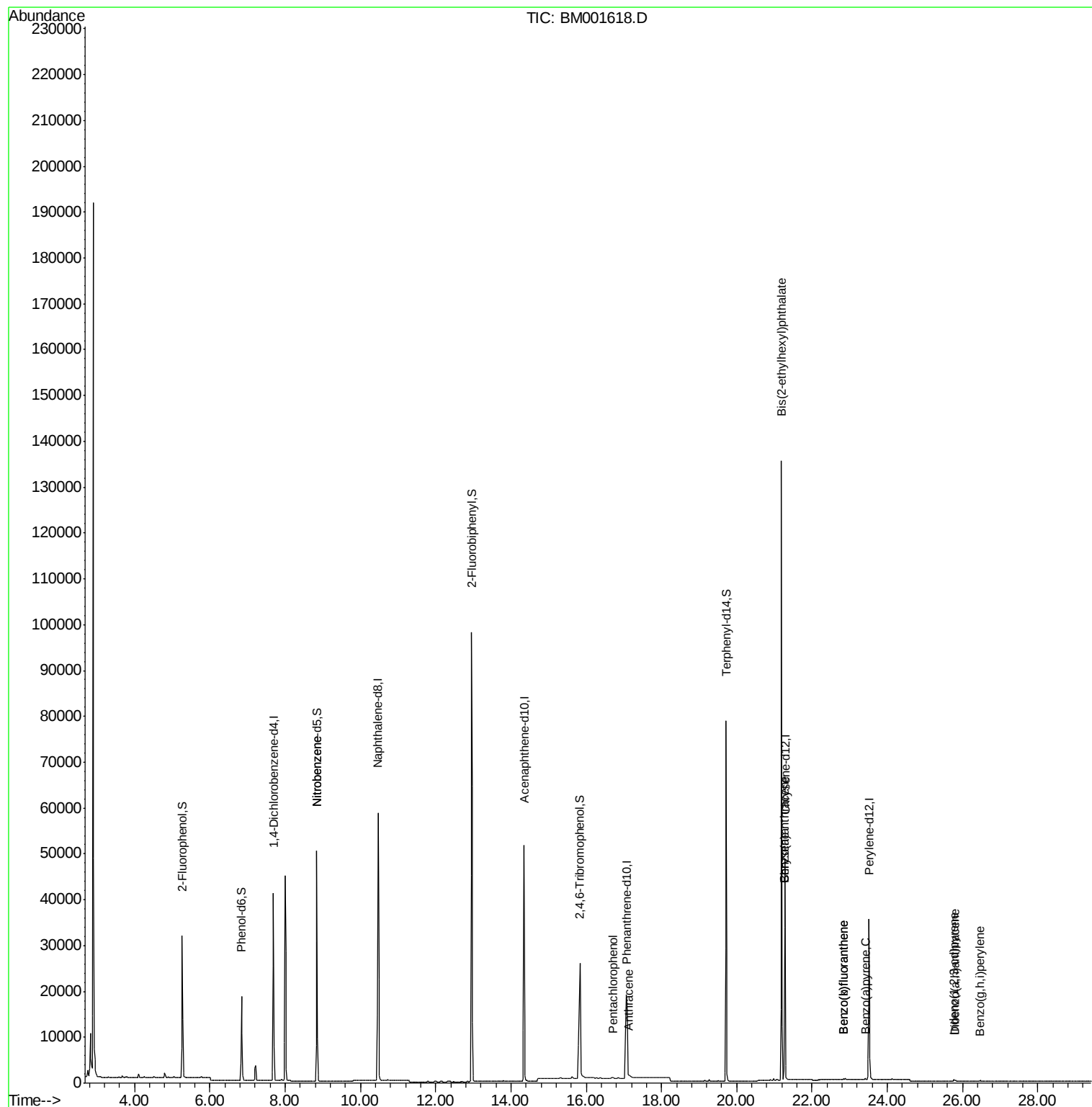
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.69	152	21248	5.00	ng	0.00
6) Naphthalene-d8	10.47	136	76984	5.00	ng	0.00
12) Acenaphthene-d10	14.35	164	36207	5.00	ng	0.00
18) Phenanthrene-d10	17.09	188	42509	5.00	ng	0.00
25) Chrysene-d12	21.28	240	55039	5.00	ng	0.00
32) Perylene-d12	23.51	264	48484	5.00	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.27	112	22802	4.72	ng	0.00
5) Phenol-d6	6.84	99	19322	3.25	ng	0.00
7) Nitrobenzene-d5	8.85	82	41628	7.67	ng	0.00
13) 2,4,6-Tribromophenol	15.83	330	24695	14.12	ng	0.00
14) 2-Fluorobiphenyl	12.96	172	91228	7.74	ng	0.00
27) Terphenyl-d14	19.72	244	75769	10.55	ng	0.00
Target Compounds						Qvalue
8) Nitrobenzene	8.85	77	157	0.03	ng	# 31
21) Pentachlorophenol	16.72	266	47	0.06	ng	# 76
23) Anthracene	17.12	178	232	0.03	ng	# 82
28) Benzo(a)anthracene	21.27	228	677	0.04	ng	# 76
29) Chrysene	21.27	228	661	0.04	ng	# 72
30) Bis(2-ethylhexyl)phthalate	21.19	149	118648	12.77	ng	100
31) Indeno(1,2,3-cd)pyrene	25.77	276	552	0.04	ng	92
33) Benzo(b)fluoranthene	22.84	252	383	0.03	ng	# 1
34) Benzo(k)fluoranthene	22.84	252	383	0.03	ng	# 1
35) Benzo(a)pyrene	23.42	252	268	0.02	ng	# 1
36) Dibenzo(a,h)anthracene	25.79	278	430	0.04	ng	# 34
37) Benzo(g,h,i)perylene	26.46	276	437	0.03	ng	# 53

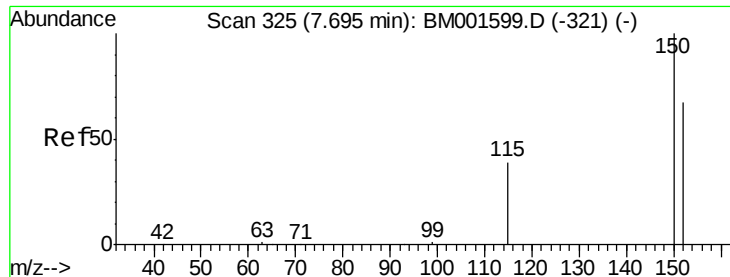
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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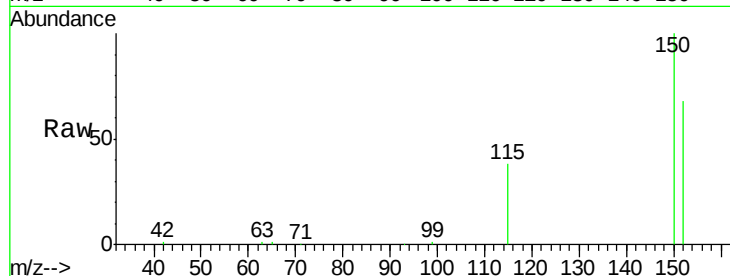


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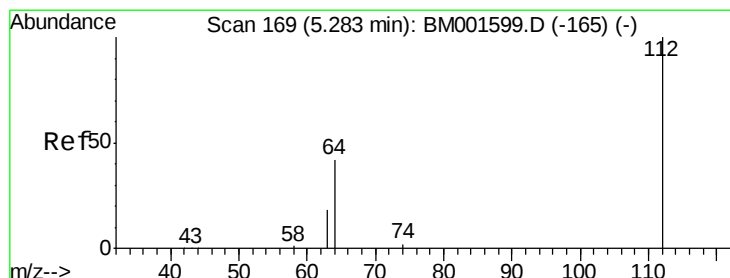
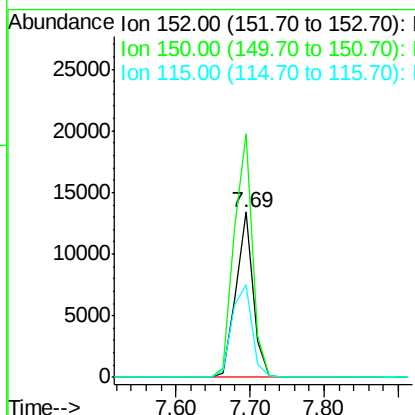
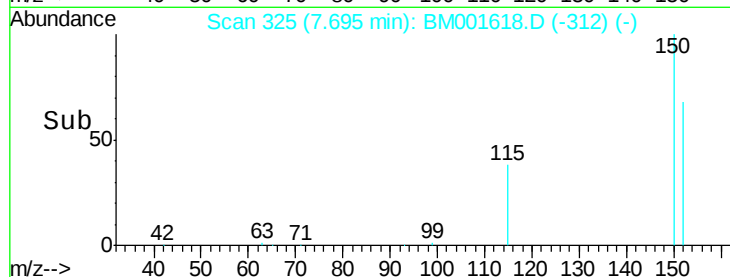
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.69 min Scan# 325
Delta R.T. 0.00 min
Lab File: BM001618.D
Acq: 09 Jun 2015 15:24

Instrument :
BNA_M
ClientSampleId :
060515-P18-E-D-S

Tgt Ion:152 Resp: 21248
Ion Ratio Lower Upper
152 100
150 147.4 120.1 180.1
115 55.9 47.0 70.6



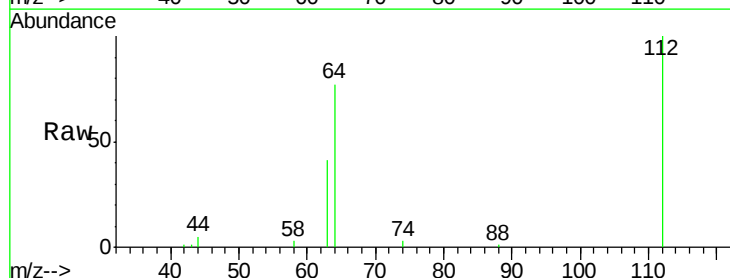
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



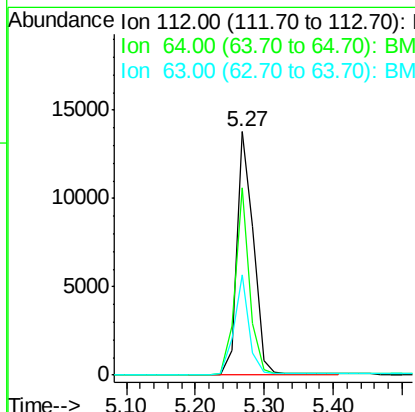
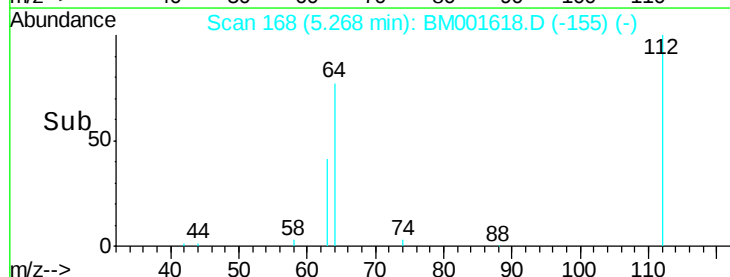
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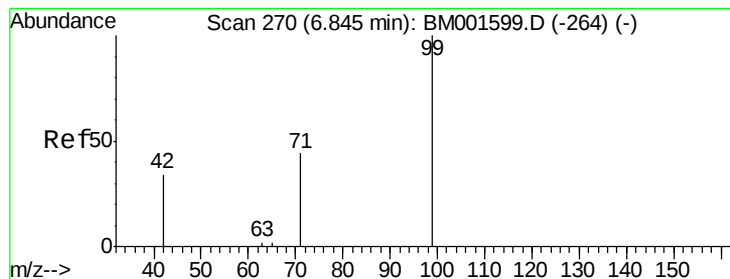
2-Fluorophenol
Concen: 4.72 ng
RT: 5.27 min Scan# 168
Delta R.T. 0.00 min
Lab File: BM001618.D
Acq: 09 Jun 2015 15:24

Tgt Ion:112 Resp: 22802
Ion Ratio Lower Upper
112 100
64 67.7 54.8 82.2
63 37.0 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: 3.25 ng

RT: 6.84 min Scan# 270

Delta R.T. 0.00 min

Lab File: BM001618.D

Acq: 09 Jun 2015 15:24

Instrument :

BNA_M

ClientSampleId :

060515-P18-E-D-S

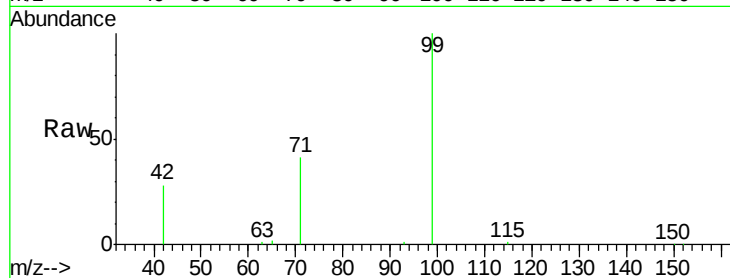
Tgt Ion: 99 Resp: 19322

Ion Ratio Lower Upper

99 100

42 24.9 21.6 32.4

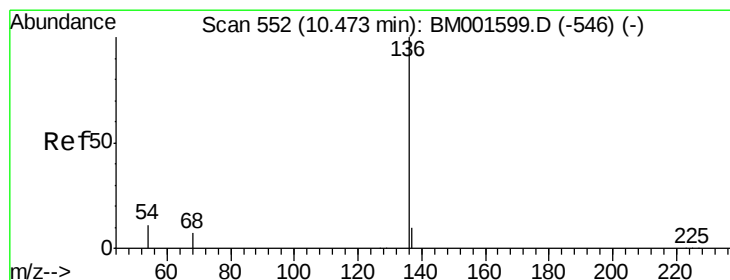
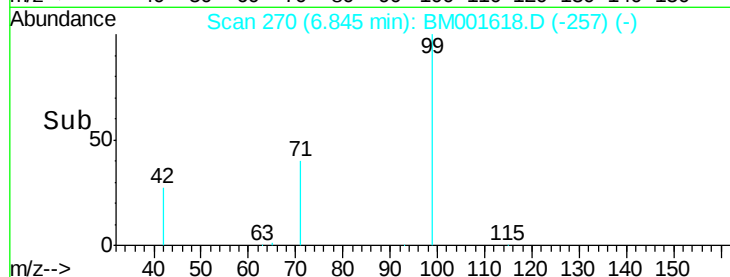
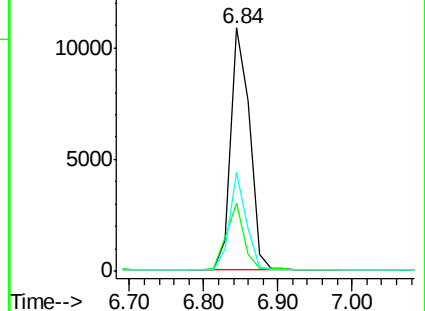
71 35.5 28.7 43.1



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: BM001618.D

Acq: 09 Jun 2015 15:24

Tgt Ion: 136 Resp: 76984

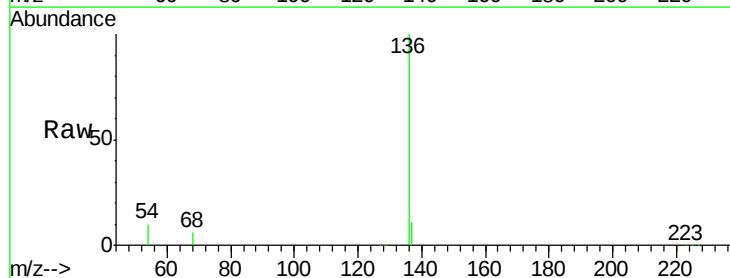
Ion Ratio Lower Upper

136 100

137 10.6 8.3 12.5

54 10.3 9.2 13.8

68 6.4 5.5 8.3

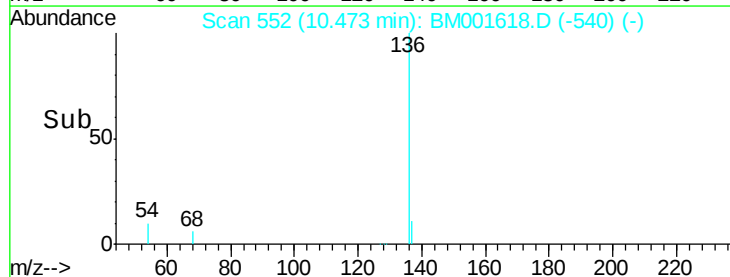
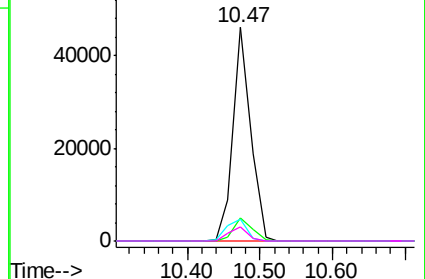


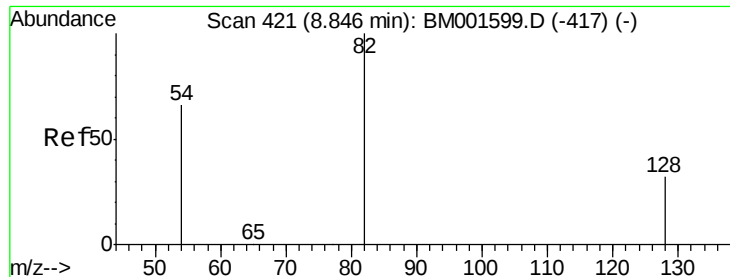
Abundance Ion 136.00 (135.70 to 136.70): BM001599.D (-546) (-)

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: 7.67 ng

RT: 8.85 min Scan# 421

Delta R.T. 0.00 min

Lab File: BM001618.D

Acq: 09 Jun 2015 15:24

Instrument :

BNA_M

ClientSampleId :

060515-P18-E-D-S

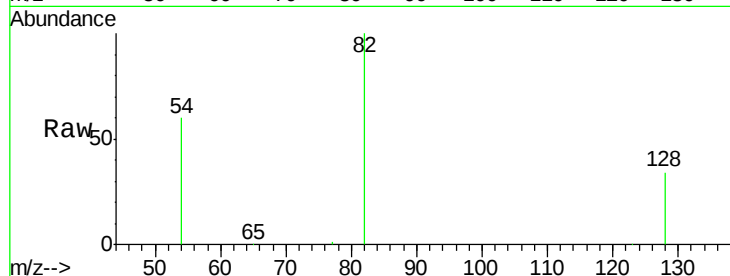
Tgt Ion: 82 Resp: 41628

Ion Ratio Lower Upper

82 100

128 34.2 26.6 40.0

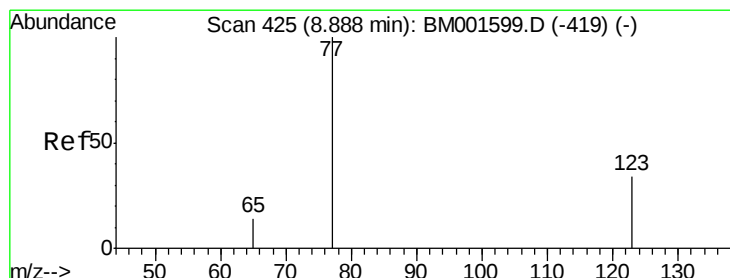
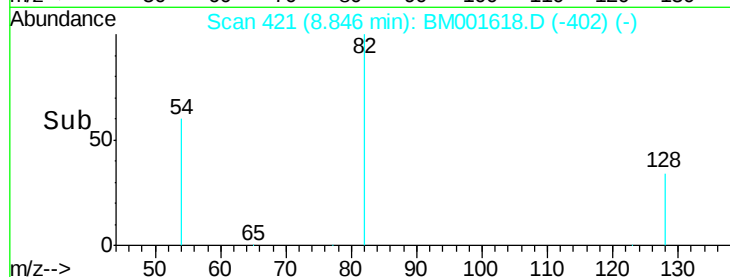
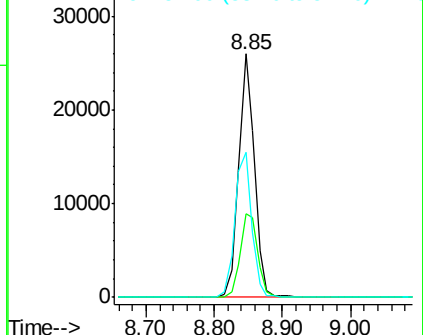
54 59.7 53.0 79.6



Abundance Ion 82.00 (81.70 to 82.70): BM001618.D (-402) (-)

Ion 128.00 (127.70 to 128.70): BM001618.D (-402) (-)

Ion 54.00 (53.70 to 54.70): BM001618.D (-402) (-)



#8

Nitrobenzene

Concen: 0.03 ng

RT: 8.85 min Scan# 421

Delta R.T. -0.04 min

Lab File: BM001618.D

Acq: 09 Jun 2015 15:24

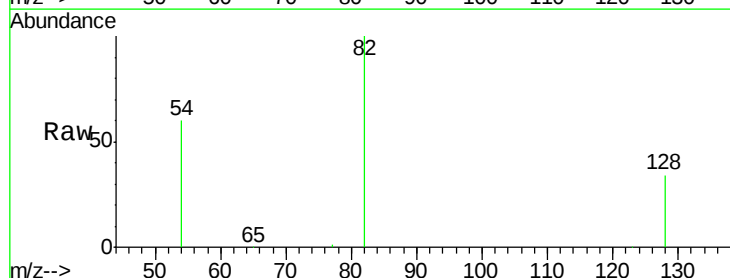
Tgt Ion: 77 Resp: 157

Ion Ratio Lower Upper

77 100

123 0.0 31.0 46.6#

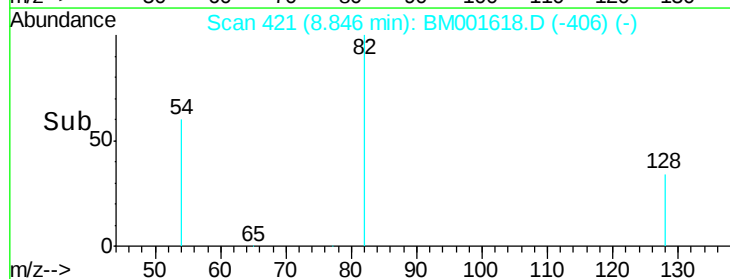
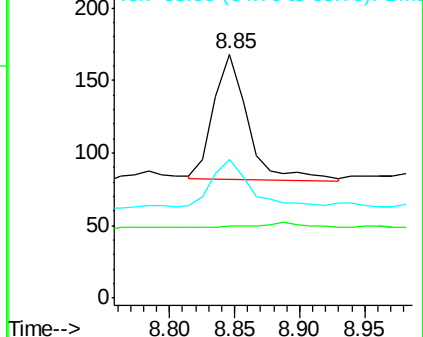
65 48.4 11.4 17.0#

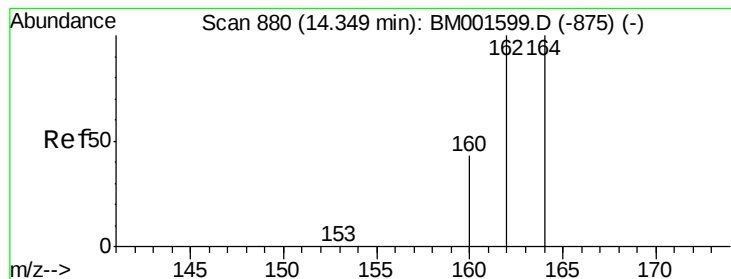


Abundance Ion 77.00 (76.70 to 77.70): BM001618.D (-406) (-)

Ion 123.00 (122.70 to 123.70): BM001618.D (-406) (-)

Ion 65.00 (64.70 to 65.70): BM001618.D (-406) (-)





#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.35 min Scan# 880

Delta R.T. 0.00 min

Lab File: BM001618.D

Acq: 09 Jun 2015 15:24

Instrument :

BNA_M

ClientSampleId :

060515-P18-E-D-S

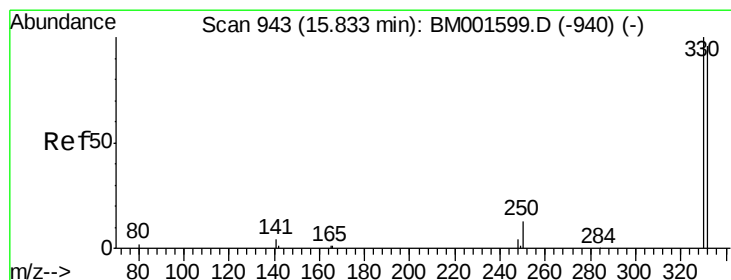
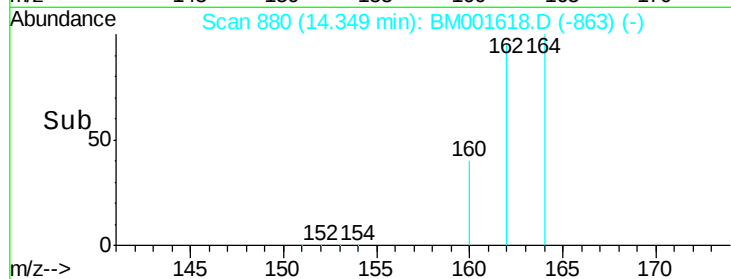
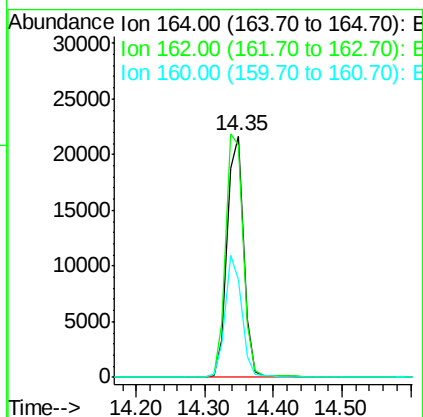
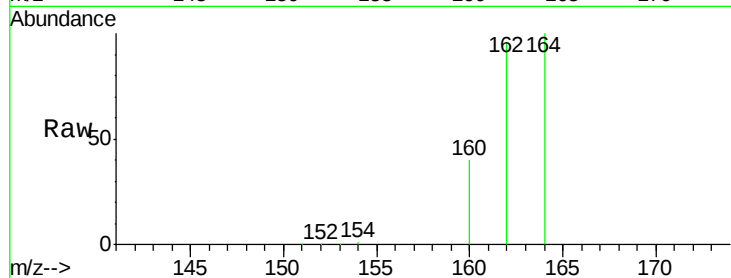
Tgt Ion:164 Resp: 36207

Ion Ratio Lower Upper

164 100

162 96.1 79.8 119.6

160 40.3 34.6 51.8



#13

2,4,6-Tribromophenol

Concen: 14.12 ng

RT: 15.83 min Scan# 943

Delta R.T. 0.00 min

Lab File: BM001618.D

Acq: 09 Jun 2015 15:24

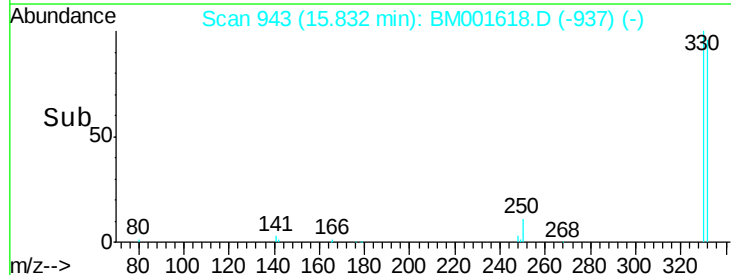
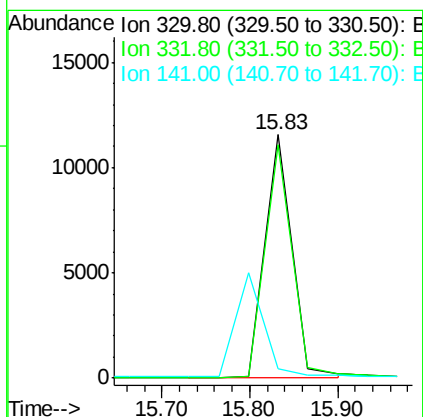
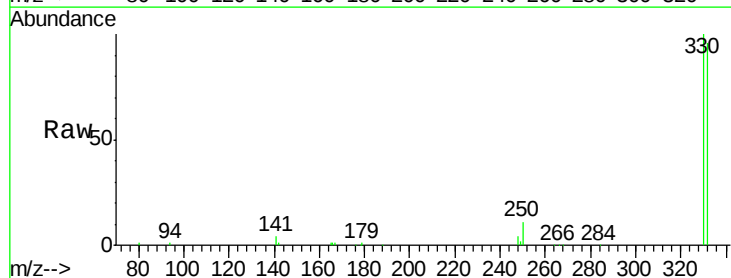
Tgt Ion:330 Resp: 24695

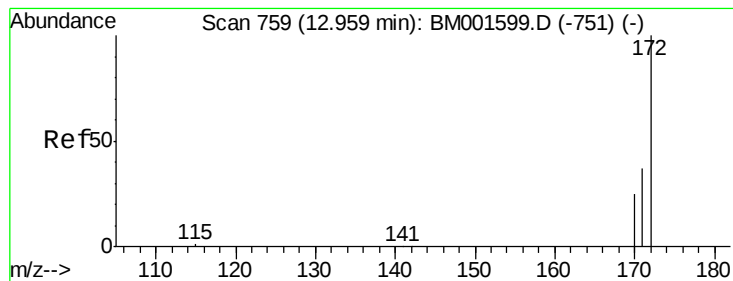
Ion Ratio Lower Upper

330 100

332 96.3 76.7 115.1

141 0.0 0.0 0.0

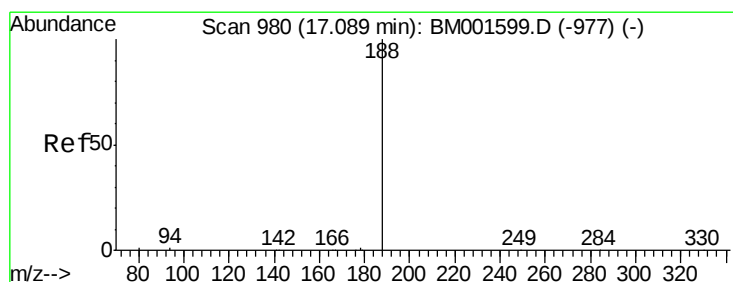
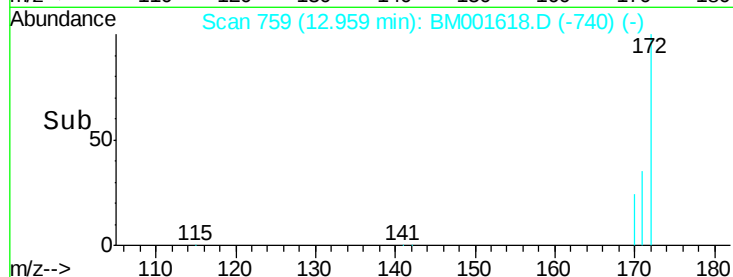
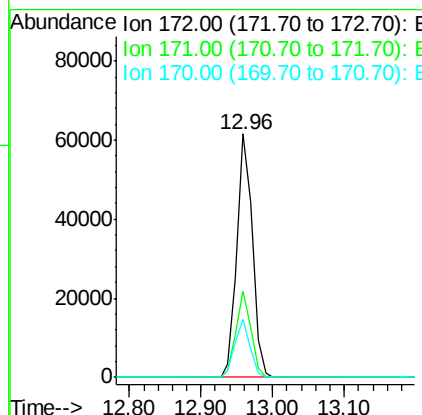
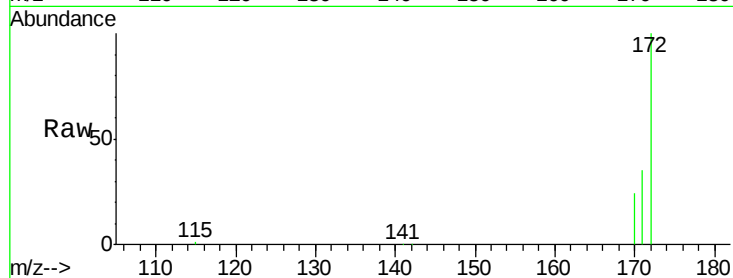




#14
 2-Fluorobiphenyl
 Concen: 7.74 ng
 RT: 12.96 min Scan# 759
 Delta R.T. 0.00 min
 Lab File: BM001618.D
 Acq: 09 Jun 2015 15:24

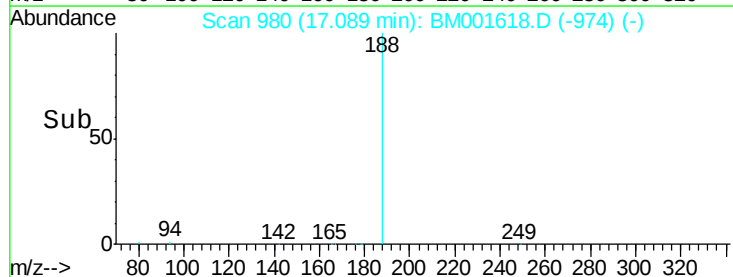
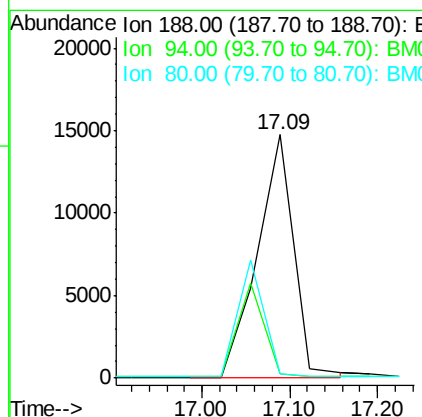
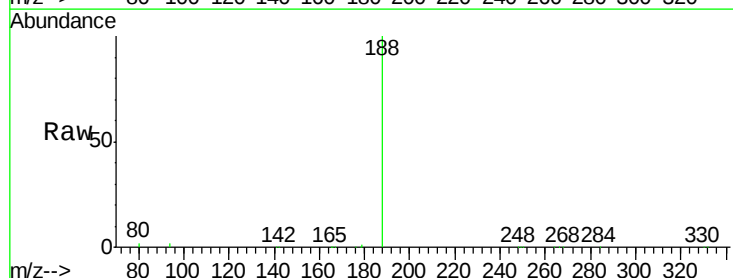
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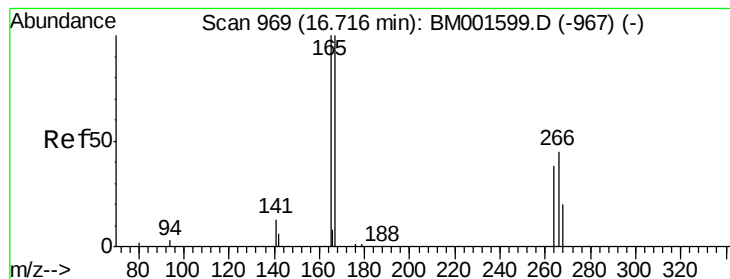
Tgt Ion:172 Resp: 91228
 Ion Ratio Lower Upper
 172 100
 171 35.2 29.6 44.4
 170 23.7 20.6 31.0



#18
 Phenanthrene-d10
 Concen: 5.00 ng
 RT: 17.09 min Scan# 980
 Delta R.T. 0.00 min
 Lab File: BM001618.D
 Acq: 09 Jun 2015 15:24

Tgt Ion:188 Resp: 42509
 Ion Ratio Lower Upper
 188 100
 94 1.5 1.0 1.6
 80 1.6 1.0 1.4#





#21

Pentachlorophenol

Concen: 0.06 ng

RT: 16.72 min Scan# 969

Delta R.T. 0.00 min

Lab File: BM001618.D

Acq: 09 Jun 2015 15:24

Instrument :

BNA_M

ClientSampleId :

060515-P18-E-D-S

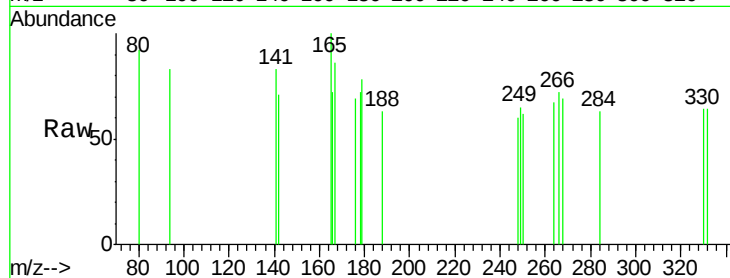
Tgt Ion:266 Resp: 47

Ion Ratio Lower Upper

266 100

268 96.4 45.8 68.8#

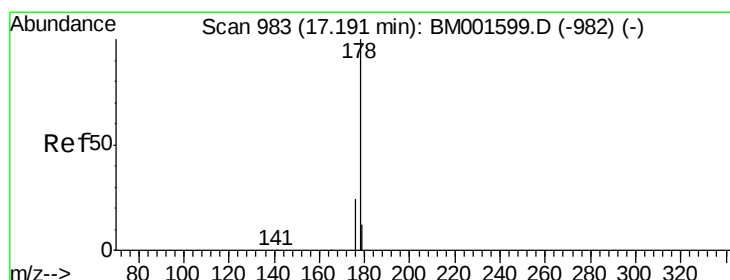
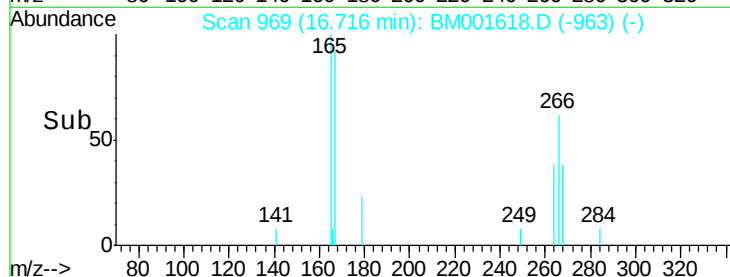
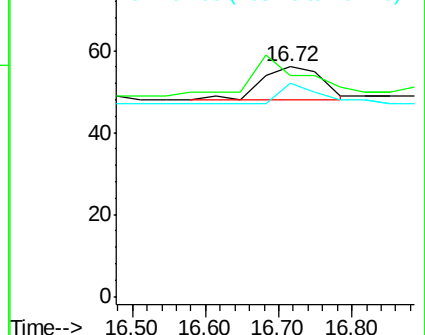
264 92.9 70.6 106.0



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

Anthracene

Concen: 0.03 ng

RT: 17.12 min Scan# 981

Delta R.T. -0.07 min

Lab File: BM001618.D

Acq: 09 Jun 2015 15:24

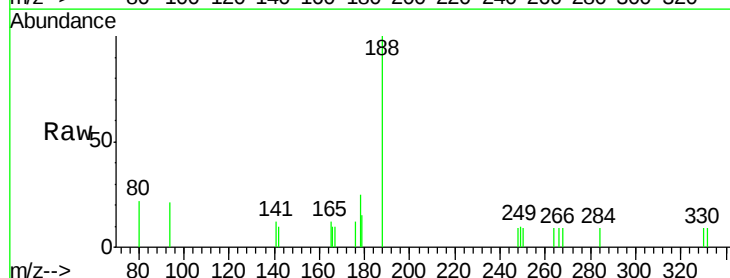
Tgt Ion:178 Resp: 232

Ion Ratio Lower Upper

178 100

176 18.5 21.9 32.9#

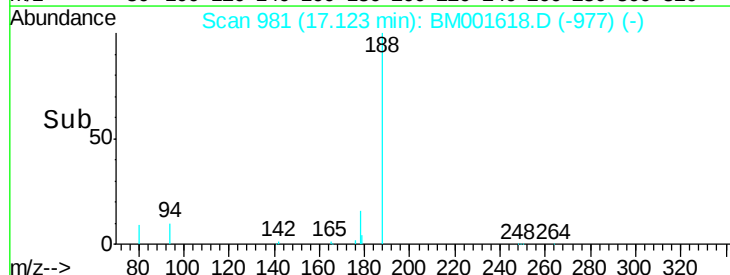
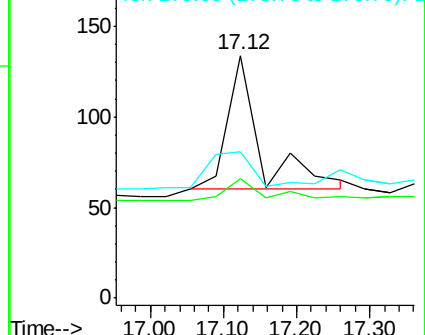
179 38.8 23.0 34.4#

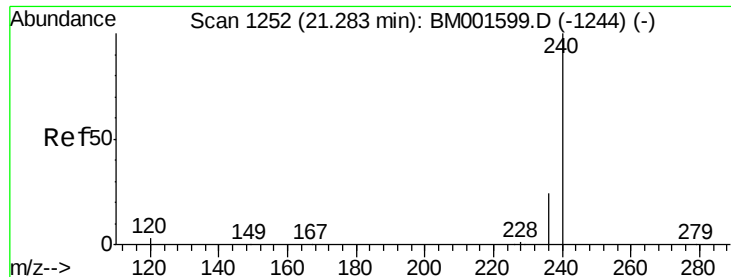


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Chrysene-d12

Concen: 5.00 ng

RT: 21.28 min Scan# 1252

Delta R.T. 0.00 min

Lab File: BM001618.D

Acq: 09 Jun 2015 15:24

Instrument :

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ClientSampleId :

060515-P18-E-D-S

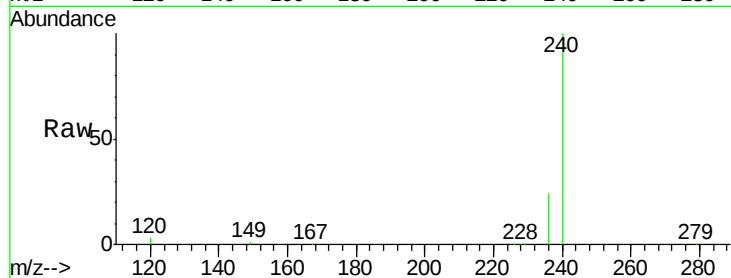
Tgt Ion:240 Resp: 55039

Ion Ratio Lower Upper

240 100

120 3.0 2.2 3.4

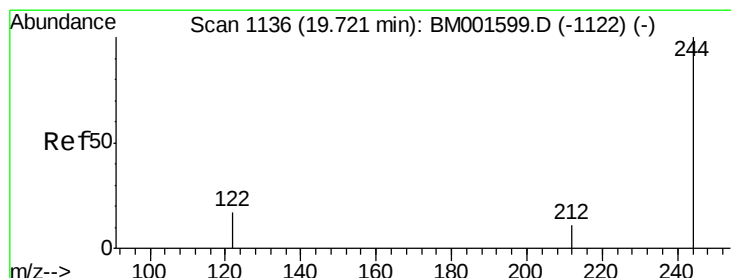
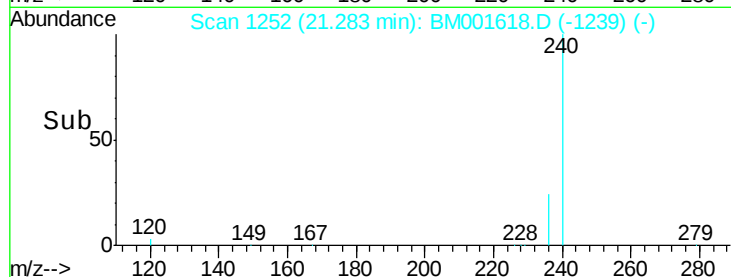
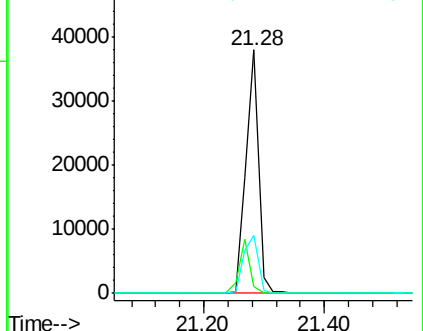
236 24.0 19.6 29.4



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: 10.55 ng

RT: 19.72 min Scan# 1136

Delta R.T. 0.00 min

Lab File: BM001618.D

Acq: 09 Jun 2015 15:24

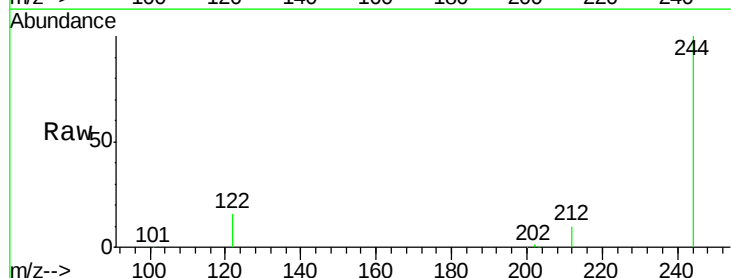
Tgt Ion:244 Resp: 75769

Ion Ratio Lower Upper

244 100

212 10.5 9.2 13.8

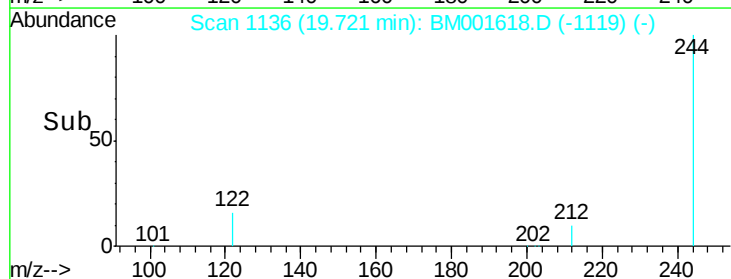
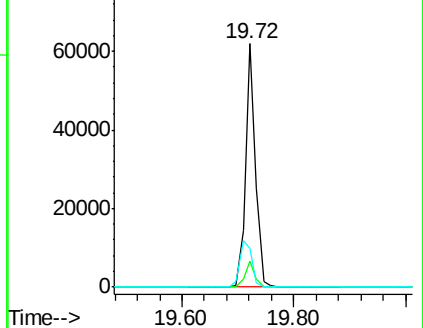
122 15.9 14.5 21.7

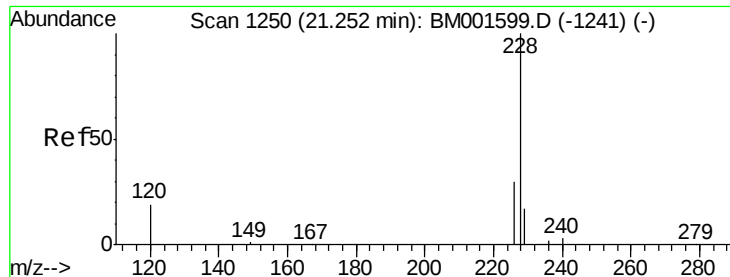


Abundance Ion 244.00 (243.70 to 244.70): E

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: BM001618.D

Acq: 09 Jun 2015 15:24

Instrument :

BNA_M

ClientSampleId :

060515-P18-E-D-S

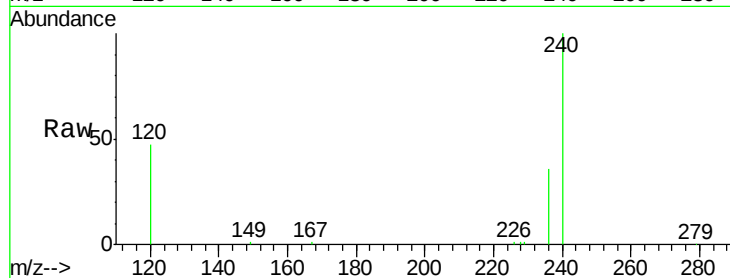
Tgt Ion:228 Resp: 677

Ion Ratio Lower Upper

228 100

226 35.1 24.6 37.0

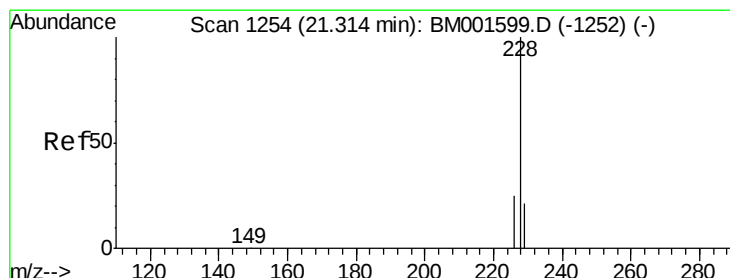
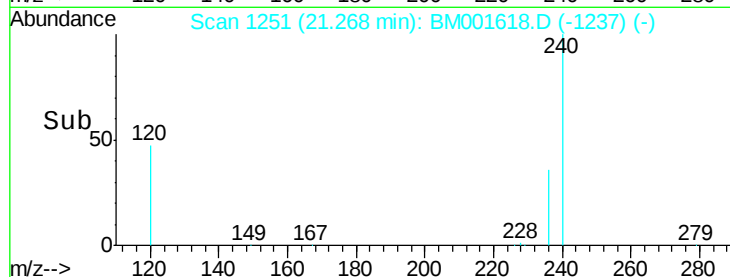
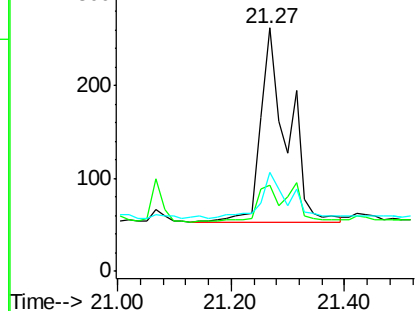
229 40.5 13.8 20.8#



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. -0.05 min

Lab File: BM001618.D

Acq: 09 Jun 2015 15:24

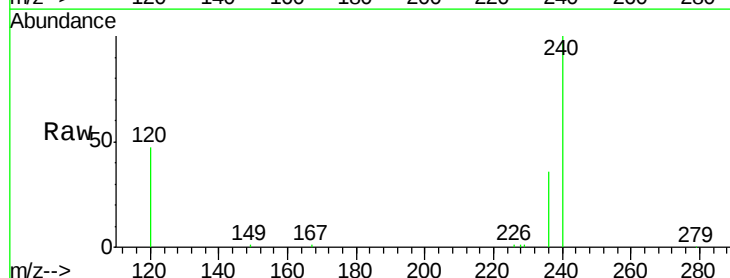
Tgt Ion:228 Resp: 661

Ion Ratio Lower Upper

228 100

226 35.1 20.6 31.0#

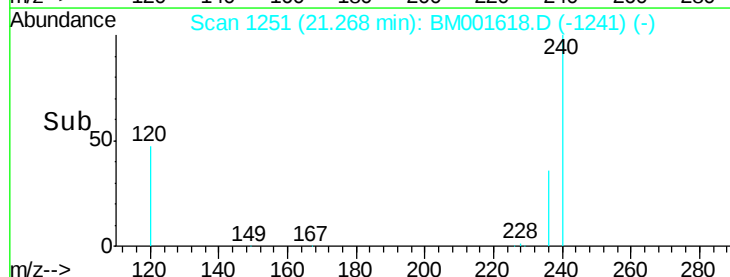
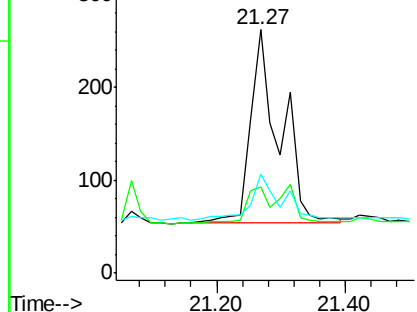
229 40.5 17.4 26.2#

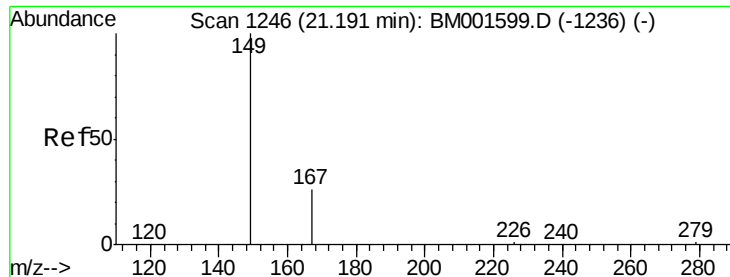


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#30

Bis(2-ethylhexyl)phthalate

Concen: 12.77 ng

RT: 21.19 min Scan# 1246

Delta R.T. 0.00 min

Lab File: BM001618.D

Acq: 09 Jun 2015 15:24

Instrument :

BNA_M

ClientSampleId :

060515-P18-E-D-S

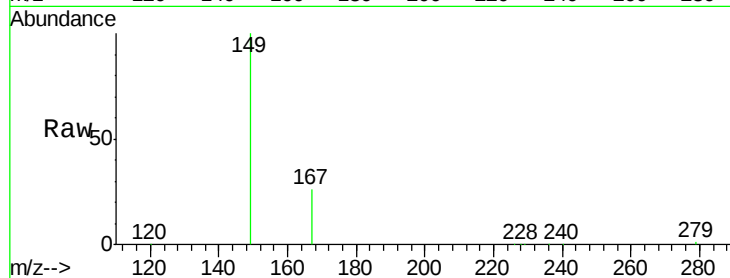
Tgt Ion:149 Resp: 118648

Ion Ratio Lower Upper

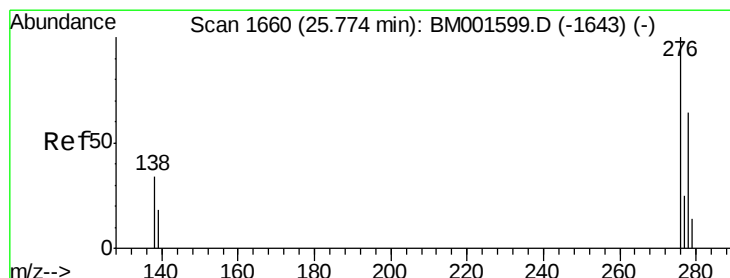
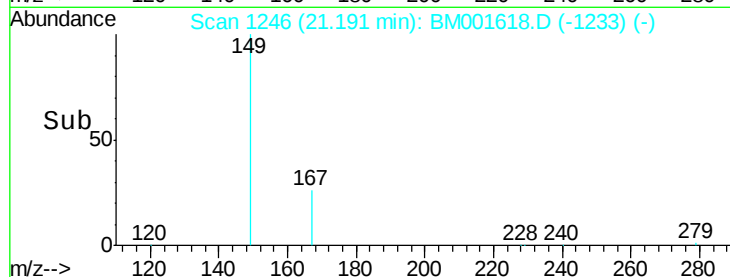
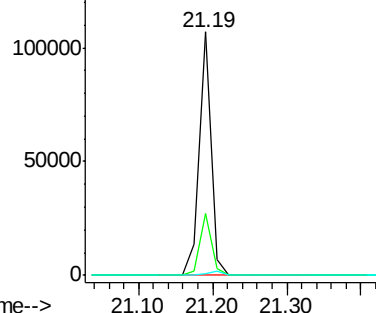
149 100

167 25.3 20.2 30.4

279 2.0 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: 0.04 ng

RT: 25.77 min Scan# 1660

Delta R.T. 0.00 min

Lab File: BM001618.D

Acq: 09 Jun 2015 15:24

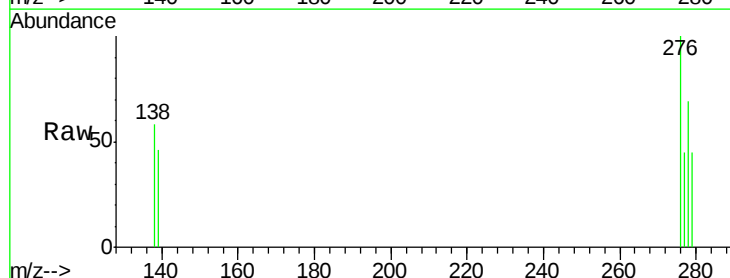
Tgt Ion:276 Resp: 552

Ion Ratio Lower Upper

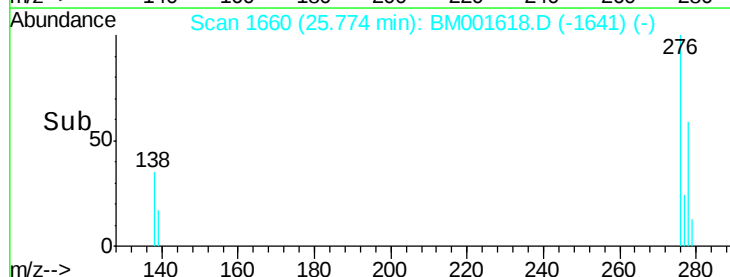
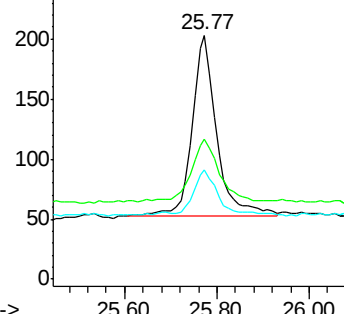
276 100

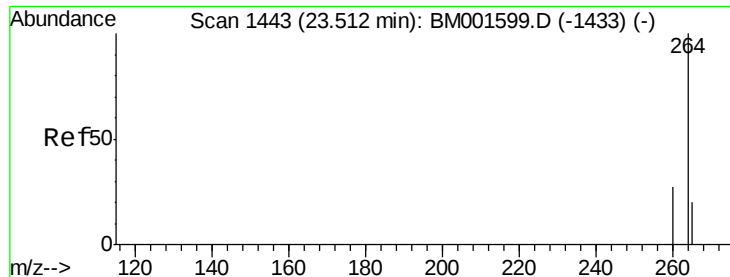
138 42.0 28.2 42.2

277 23.4 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. -0.01 min

Lab File: BM001618.D

Acq: 09 Jun 2015 15:24

Instrument :

BNA_M

ClientSampleId :

060515-P18-E-D-S

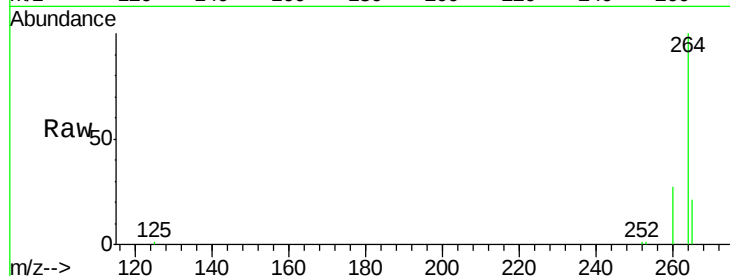
Tgt Ion:264 Resp: 48484

Ion Ratio Lower Upper

264 100

260 26.5 21.8 32.6

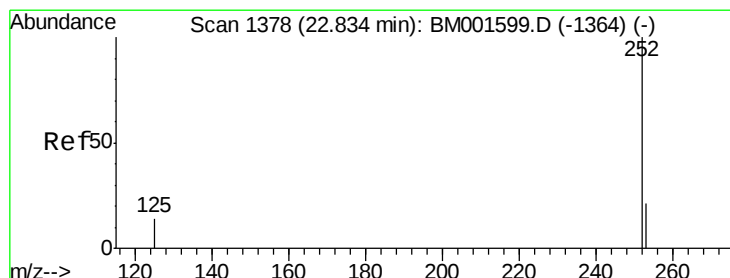
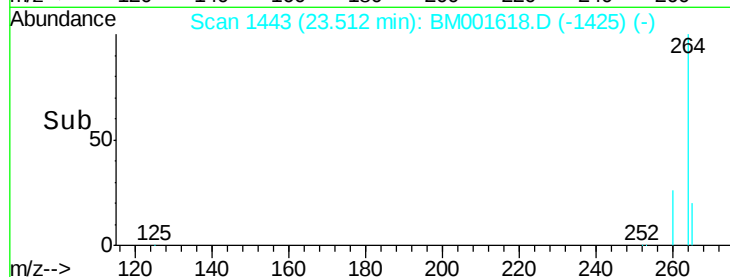
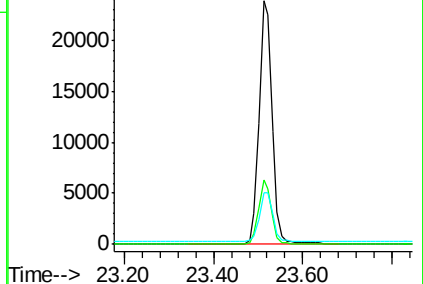
265 21.1 16.8 25.2



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



#33

Benzo(b)fluoranthene

Concen: 0.03 ng

RT: 22.84 min Scan# 1379

Delta R.T. 0.01 min

Lab File: BM001618.D

Acq: 09 Jun 2015 15:24

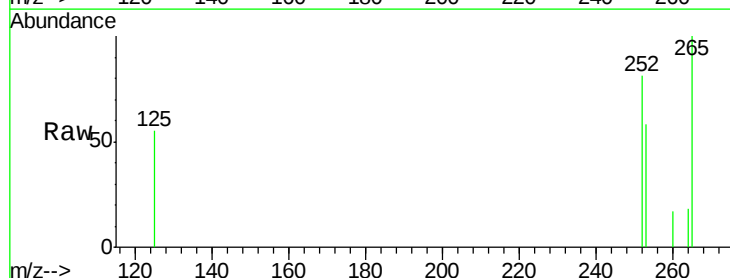
Tgt Ion:252 Resp: 383

Ion Ratio Lower Upper

252 100

253 71.1 17.6 26.4#

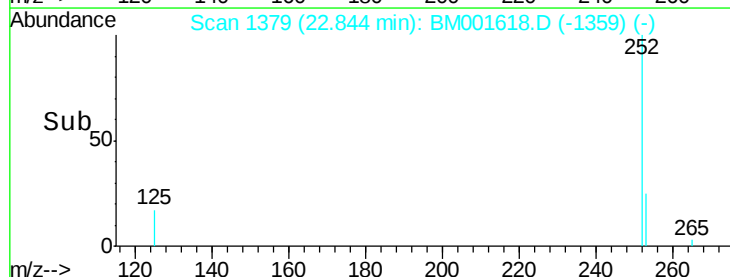
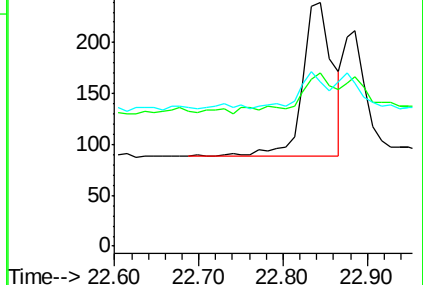
125 67.8 12.4 18.6#

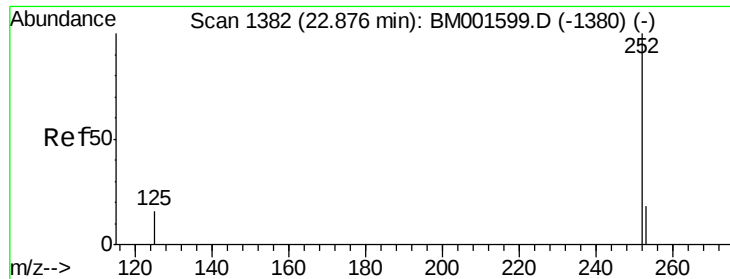


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#34

Benzo(k)fluoranthene

Concen: 0.03 ng

RT: 22.84 min Scan# 1379

Delta R.T. -0.03 min

Lab File: BM001618.D

Acq: 09 Jun 2015 15:24

Instrument :

BNA_M

ClientSampleId :

060515-P18-E-D-S

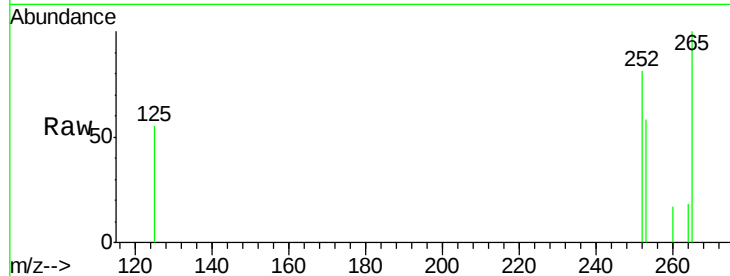
Tgt Ion: 252 Resp: 383

Ion Ratio Lower Upper

252 100

253 71.1 17.1 25.7#

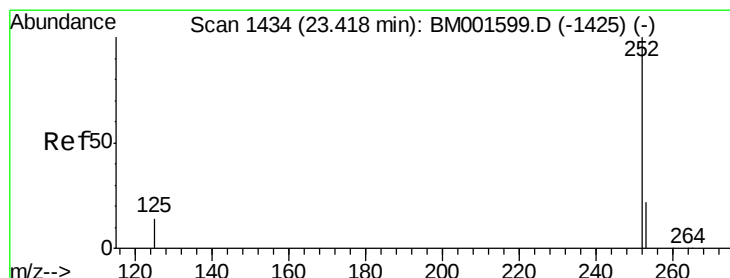
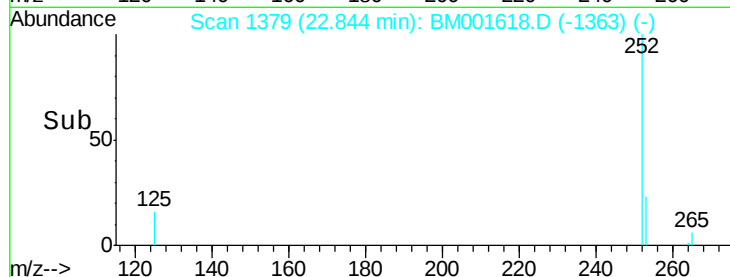
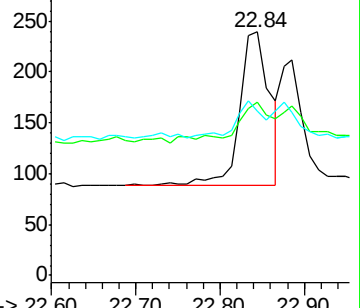
125 67.8 12.8 19.2#



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: 0.02 ng

RT: 23.42 min Scan# 1434

Delta R.T. 0.00 min

Lab File: BM001618.D

Acq: 09 Jun 2015 15:24

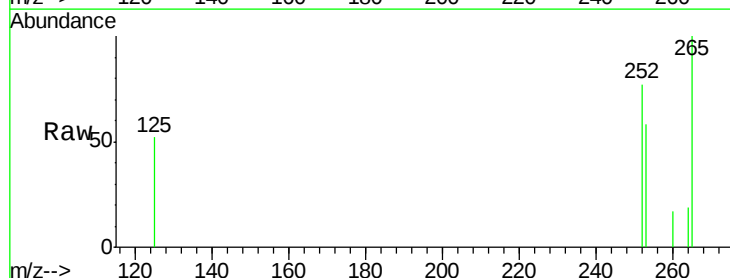
Tgt Ion: 252 Resp: 268

Ion Ratio Lower Upper

252 100

253 75.0 19.4 29.0#

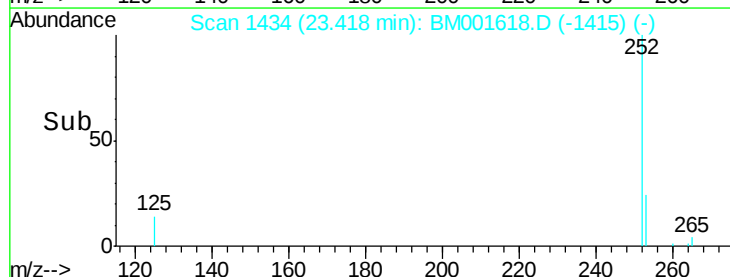
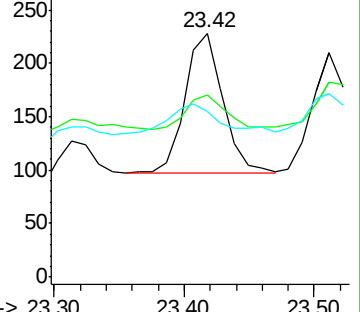
125 68.0 13.0 19.6#

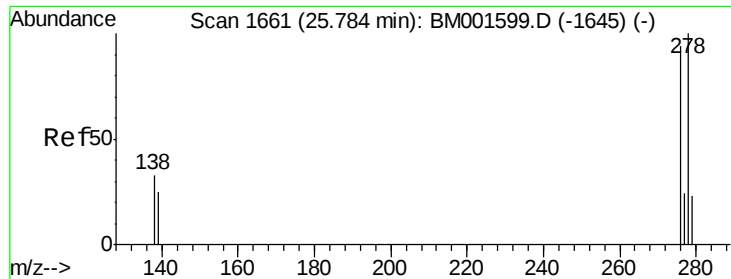


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



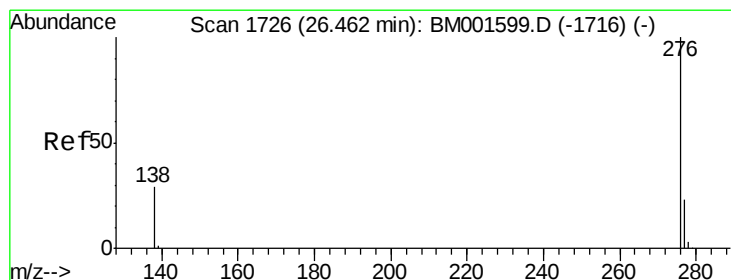
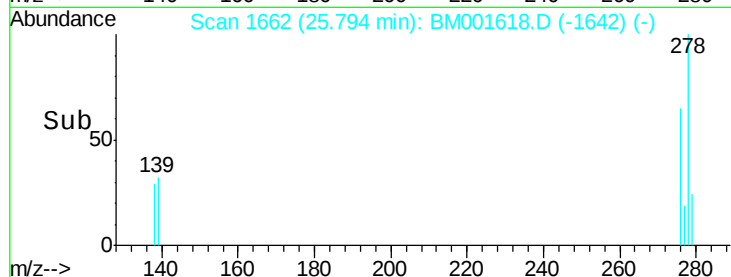
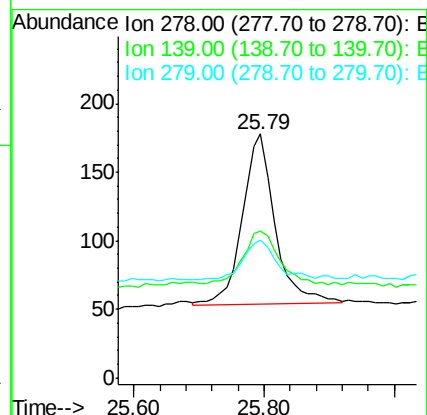
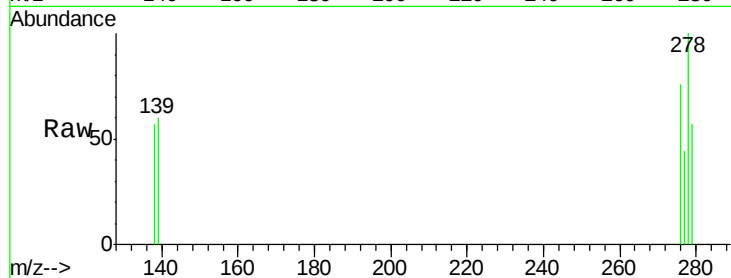


#36
Dibenzo(a,h)anthracene
Concen: 0.04 ng
RT: 25.79 min Scan# 1662
Delta R.T. 0.01 min
Lab File: BM001618.D
Acq: 09 Jun 2015 15:24

Instrument :
BNA_M
ClientSampleId :
060515-P18-E-D-S

Tgt Ion: 278 Resp: 430

Ion	Ratio	Lower	Upper
278	100		
139	60.1	20.6	31.0#
279	56.7	19.7	29.5#



#37
Benzo(g,h,i)perylene
Concen: 0.03 ng
RT: 26.46 min Scan# 1726
Delta R.T. 0.00 min
Lab File: BM001618.D
Acq: 09 Jun 2015 15:24

Tgt Ion: 276 Resp: 437

Ion	Ratio	Lower	Upper
276	100		
277	47.1	19.4	29.0#
138	56.9	24.5	36.7#

