

Data Path : Z:\HPCHEM1\BNA M\DATA\BM041815\
 Data File : BM001063.D
 Acq On : 18 Apr 2015 16:59
 Operator : TP/IZ
 Sample : G1802-01MS 10X
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Quant Time: Apr 20 08:19:08 2015

Quant Method : Z:\HPCHEM1\BNA M\METHODS\SIMPAH-BM041815.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Mon Apr 20 08:05:22 2015

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.58	152	24878	5.00	ng	0.00
4) Naphthalene-d8	10.36	136	91661	5.00	ng	0.00
8) Acenaphthene-d10	14.24	164	47176	5.00	ng	0.00
13) Phenanthrene-d10	16.99	188	102335	5.00	ng	0.00
19) Chrysene-d12	21.19	240	84055	5.00	ng	0.00
25) Perylene-d12	23.36	264	79139	5.00	ng	0.00

System Monitoring Compounds

5) Nitrobenzene-d5	8.74	82	3725	0.78	ng	0.00
9) 2-Fluorobiphenyl	12.86	172	11334	0.73	ng	0.00
21) Terphenyl-d14	19.63	244	8477	0.76	ng	0.00

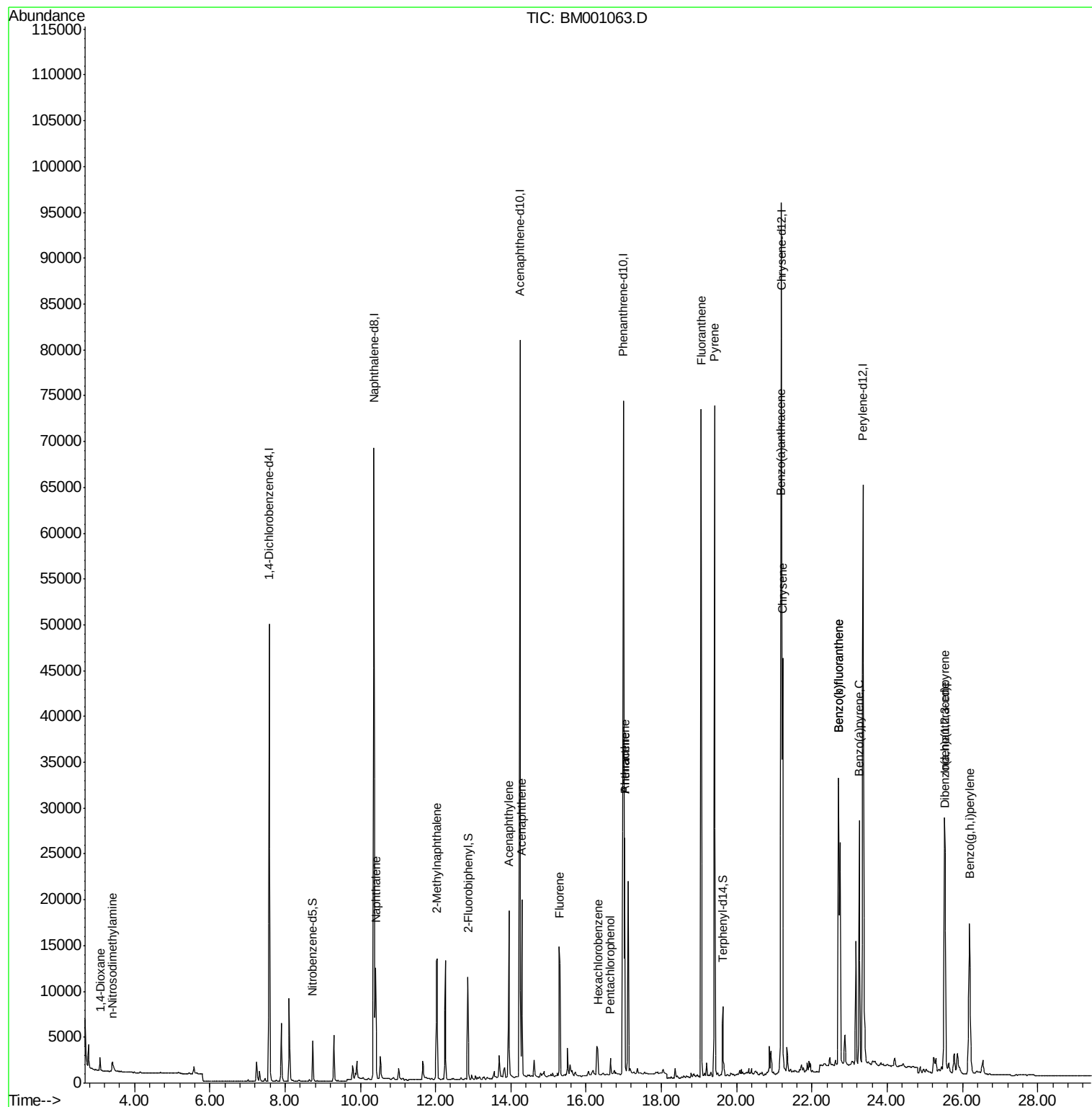
Target Compounds

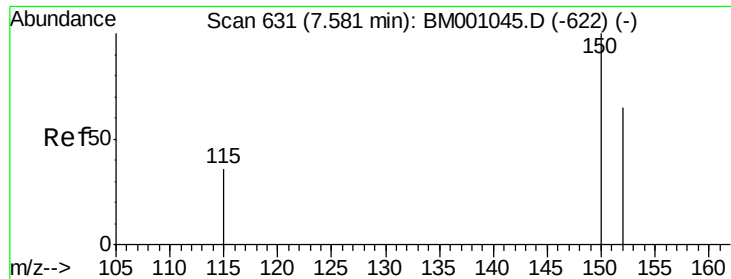
						Ovalue
2) 1,4-Dioxane	3.08	88	1659	0.59	ng	# 100
3) n-Nitrosodimethylamine	3.41	42	1372	0.52	ng	# 95
6) Naphthalene	10.41	128	16426	0.75	ng	99
7) 2-Methylnaphthalene	12.04	142	10082	0.71	ng	97
10) Acenaphthylene	13.95	152	21408	1.03	ng	98
11) Acenaphthene	14.29	154	10488	0.72	ng	98
12) Fluorene	15.30	166	12986	0.77	ng	99
14) Hexachlorobenzene	16.31	284	3915	0.69	ng	# 100
15) Pentachlorophenol	16.64	266	1876	1.18	ng	98
16) Phenanthrene	17.03	178	33556	1.24	ng	100
17) Anthracene	17.03	178	33556	1.34	ng	98
18) Fluoranthene	19.05	202	63122	2.23	ng	100
20) Pyrene	19.42	202	62396	2.24	ng	97
22) Benzo(a)anthracene	21.17	228	42286	1.74	ng	96
23) Chrysene	21.22	228	40965	1.60	ng	98
24) Indeno(1,2,3-cd)pyrene	25.53	276	34913	1.33	ng	97
26) Benzo(b)fluoranthene	22.71	252	51111	2.01	ng	96
27) Benzo(k)fluoranthene	22.71	252	51111	2.09	ng	96
28) Benzo(a)pyrene	23.25	252	37610	1.73	ng	96
29) Dibenzo(a,h)anthracene	25.54	278	18465	0.86	ng	96
30) Benzo(g,h,i)perylene	26.18	276	33290	1.43	ng	99

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

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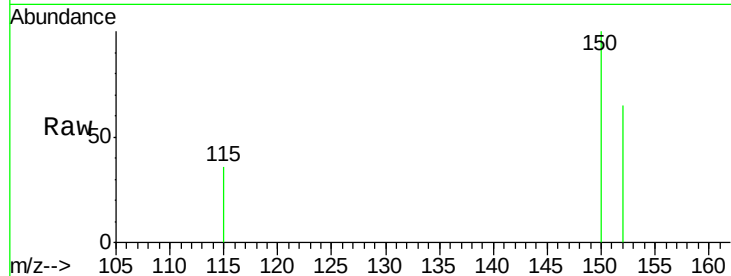




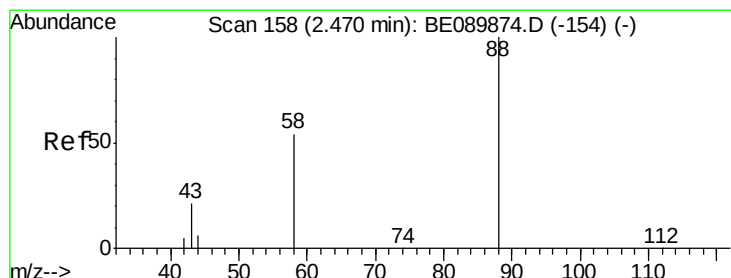
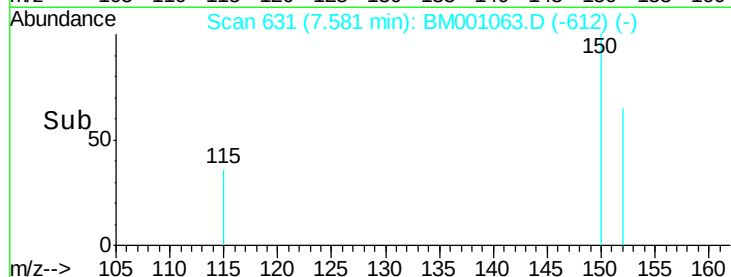
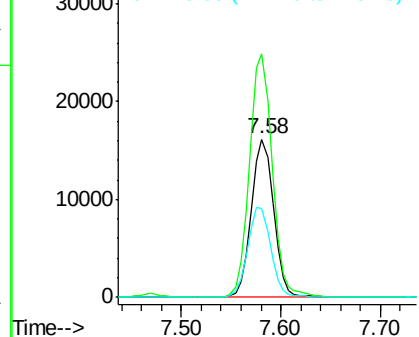
#1

1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.58 min Scan# 631
Delta R.T. 0.00 min
Lab File: BM001063.D
Acq: 18 Apr 2015 16:59

Tot Ion:152 Resp: 24878
Ion Ratio Lower Upper
152 100
150 154.2 123.3 184.9
115 56.0 45.0 67.6



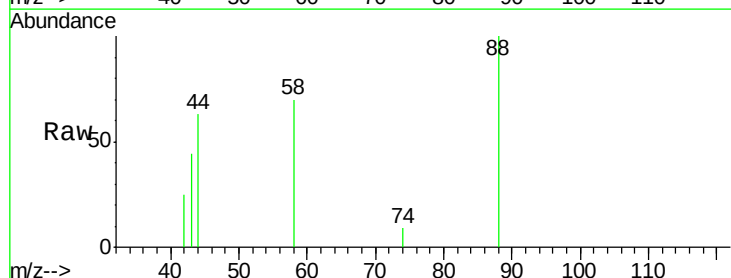
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



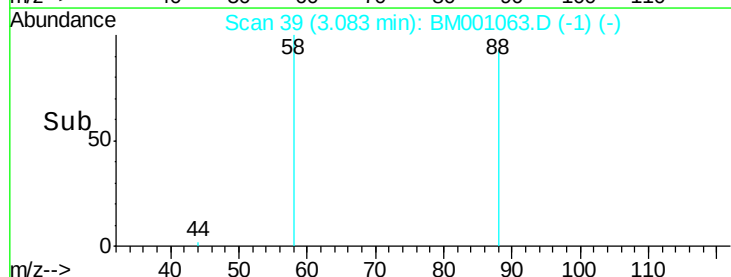
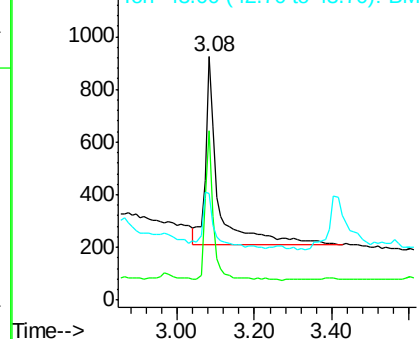
#2

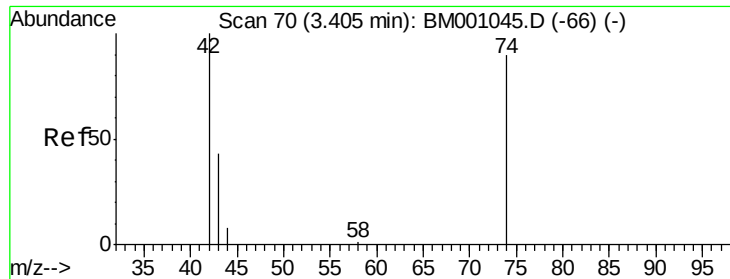
1,4-Dioxane
Concen: 0.59 ng
RT: 3.08 min Scan# 39
Delta R.T. 0.00 min
Lab File: BM001063.D
Acq: 18 Apr 2015 16:59

Tgt Ion: 88 Resp: 1659
Ion Ratio Lower Upper
88 100
58 49.2 0.0 0.0#
43 28.8 0.0 0.0#



Abundance Ion 88.00 (87.70 to 88.70): BM0
Ion 58.00 (57.70 to 58.70): BM0
Ion 43.00 (42.70 to 43.70): BM0





#3

n-Nitrosodimethylamine

Concen: 0.52 ng

RT: 3.41 min Scan# 70

Delta R.T. 0.00 min

Lab File: BM001063.D

Acq: 18 Apr 2015 16:59

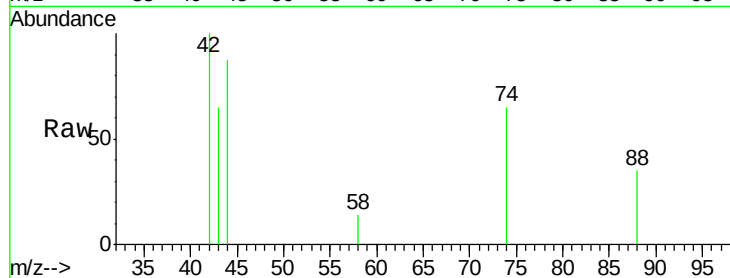
Tot Ion: 42 Resp: 1372

Ion Ratio Lower Upper

42 100

74 119.9 92.1 138.1

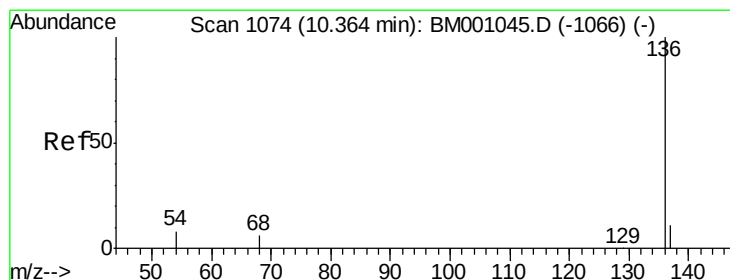
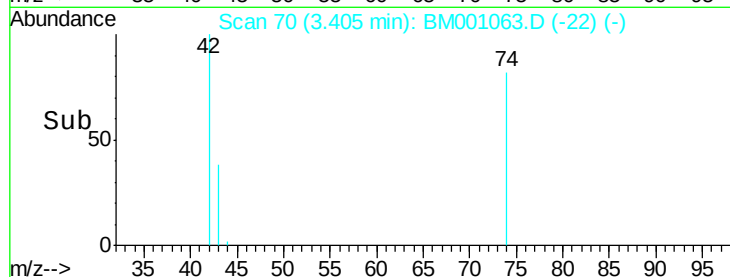
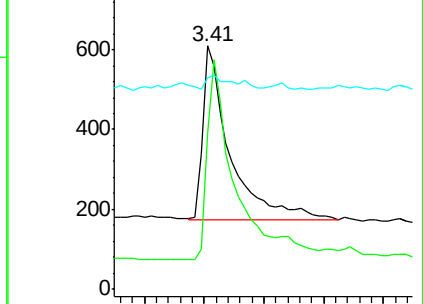
44 9.2 5.8 8.6#



Abundance Ion 42.00 (41.70 to 42.70): BM001045.D (-66) (-)

Ion 74.00 (73.70 to 74.70): BM001045.D (-66) (-)

Ion 44.00 (43.70 to 44.70): BM001045.D (-66) (-)



#4

Naphthalene-d8

Concen: 5.00 ng

RT: 10.36 min Scan# 1074

Delta R.T. 0.00 min

Lab File: BM001063.D

Acq: 18 Apr 2015 16:59

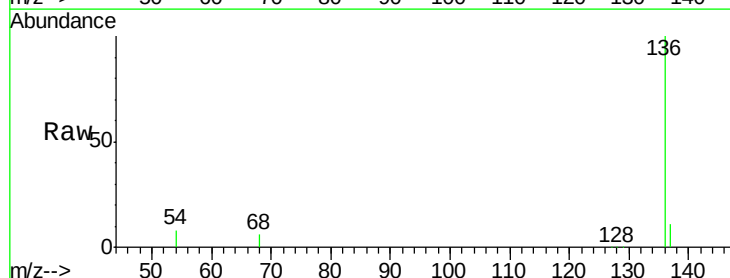
Tgt Ion: 136 Resp: 91661

Ion Ratio Lower Upper

136 100

137 10.9 8.6 13.0

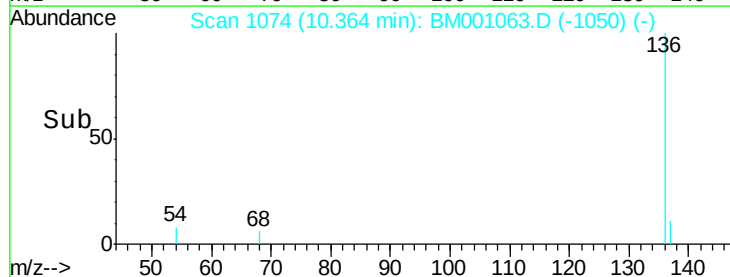
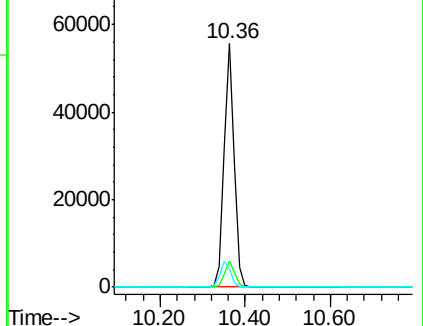
54 7.8 6.5 9.7

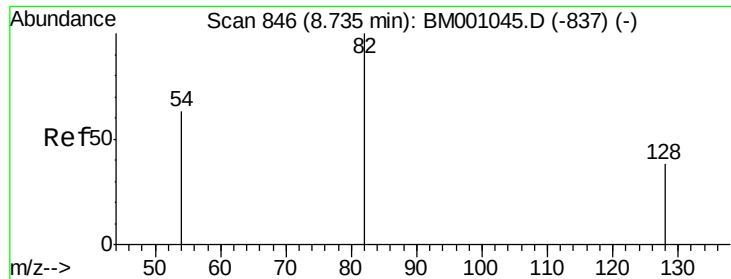


Abundance Ion 136.00 (135.70 to 136.70): BM001045.D (-1066) (-)

Ion 137.00 (136.70 to 137.70): BM001045.D (-1066) (-)

Ion 54.00 (53.70 to 54.70): BM001045.D (-1066) (-)





#5

Nitrobenzene-d5

Concen: 0.78 ng

RT: 8.74 min Scan# 846

Delta R.T. 0.00 min

Lab File: BM001063.D

Acq: 18 Apr 2015 16:59

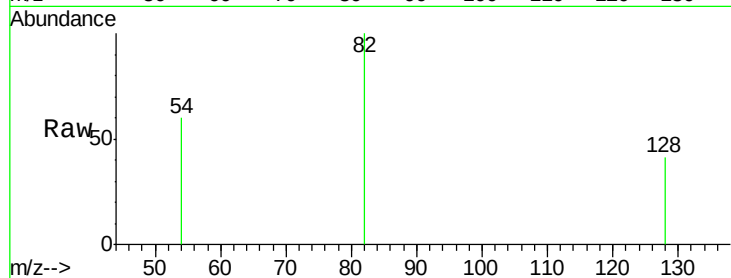
Tot Ion: 82 Resp: 3725

Ion Ratio Lower Upper

82 100

128 40.9 31.9 47.9

54 60.0 51.3 76.9

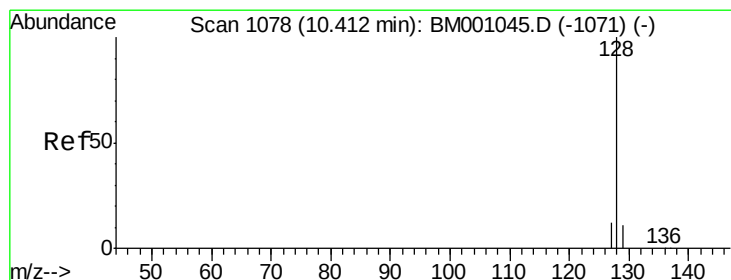
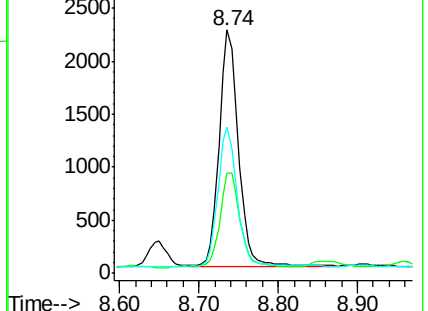
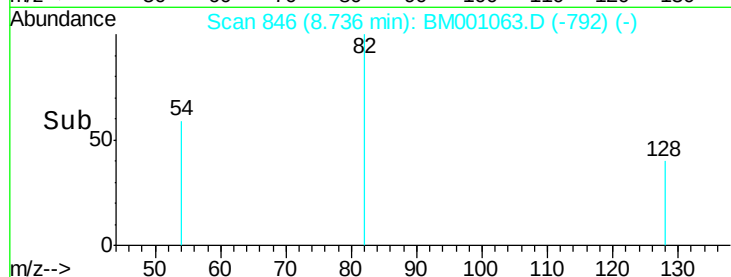


Abundance Ion 82.00 (81.70 to 82.70): BM001045.D (-837) (-)

Ion 128.00 (127.70 to 128.70): BM001045.D (-837) (-)

Ion 54.00 (53.70 to 54.70): BM001045.D (-837) (-)

Time-->



#6

Naphthalene

Concen: 0.75 ng

RT: 10.41 min Scan# 1078

Delta R.T. 0.00 min

Lab File: BM001063.D

Acq: 18 Apr 2015 16:59

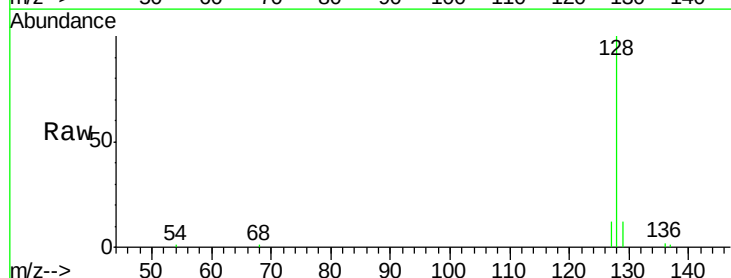
Tgt Ion: 128 Resp: 16426

Ion Ratio Lower Upper

128 100

129 11.9 9.3 13.9

127 12.3 10.0 15.0

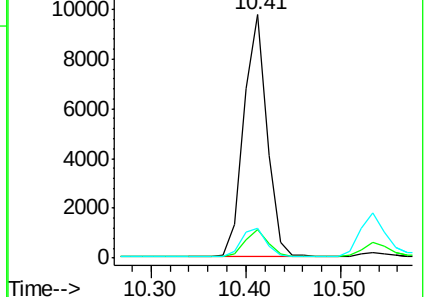
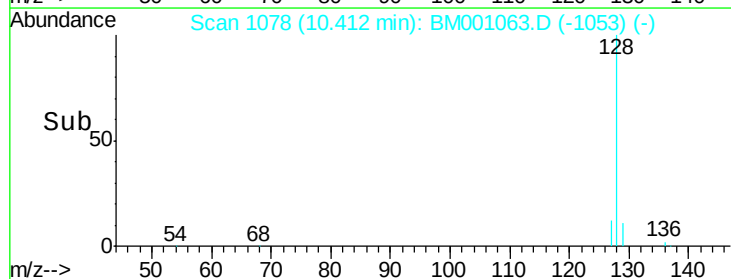


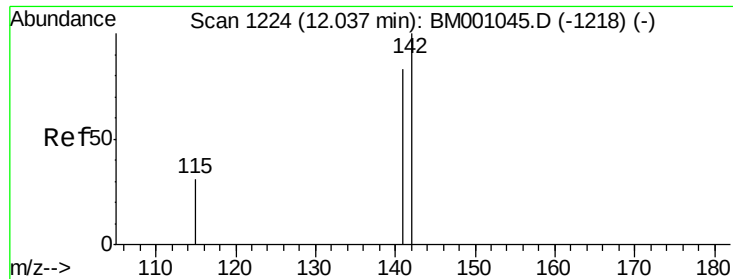
Abundance Ion 128.00 (127.70 to 128.70): BM001045.D (-1071) (-)

Ion 129.00 (128.70 to 129.70): BM001045.D (-1071) (-)

Ion 127.00 (126.70 to 127.70): BM001045.D (-1071) (-)

Time-->





#7

2-Methylnaphthalene

Concen: 0.71 ng

RT: 12.04 min Scan# 1224

Delta R.T. 0.00 min

Lab File: BM001063.D

Acq: 18 Apr 2015 16:59

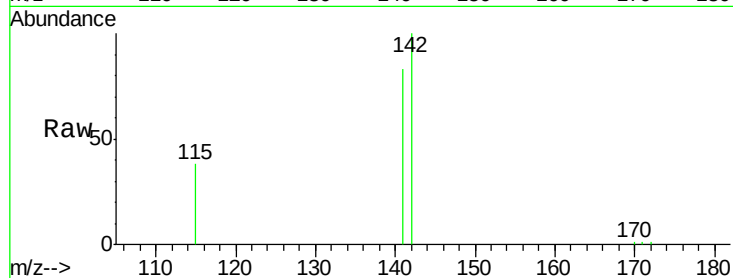
Tot Ion:142 Resp: 10082

Ion Ratio Lower Upper

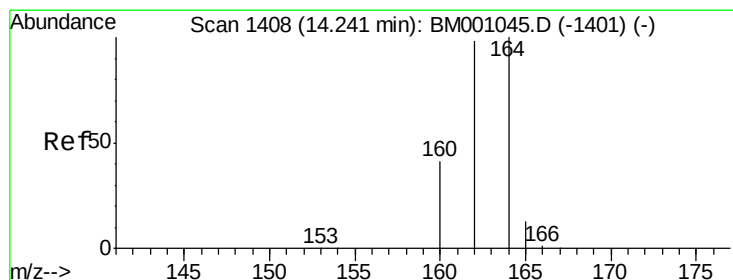
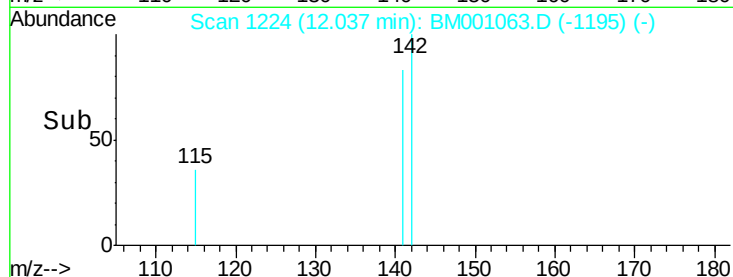
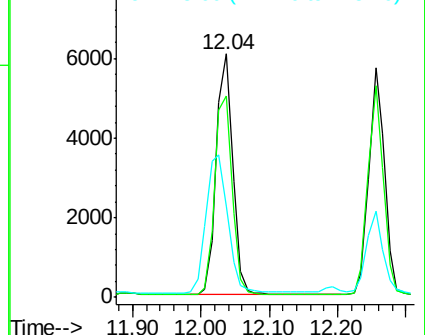
142 100

141 82.8 66.7 100.1

115 37.5 25.5 38.3



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E



#8

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.24 min Scan# 1408

Delta R.T. 0.00 min

Lab File: BM001063.D

Acq: 18 Apr 2015 16:59

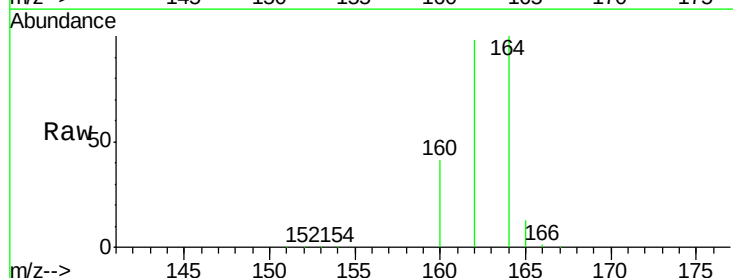
Tgt Ion:164 Resp: 47176

Ion Ratio Lower Upper

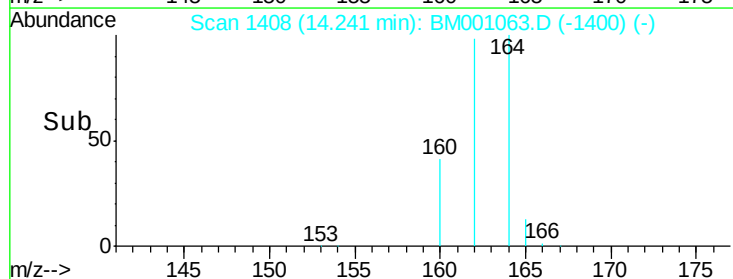
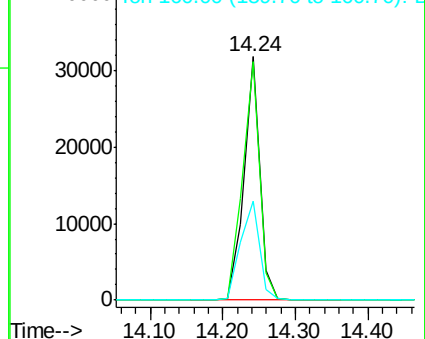
164 100

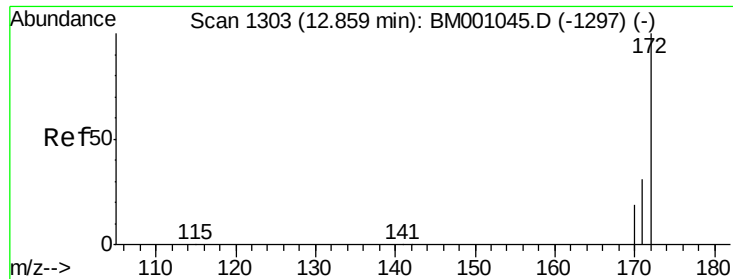
162 97.9 78.5 117.7

160 40.9 32.9 49.3



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





#9

2-Fluorobiphenyl

Concen: 0.73 ng

RT: 12.86 min Scan# 1303

Delta R.T. 0.00 min

Lab File: BM001063.D

Acq: 18 Apr 2015 16:59

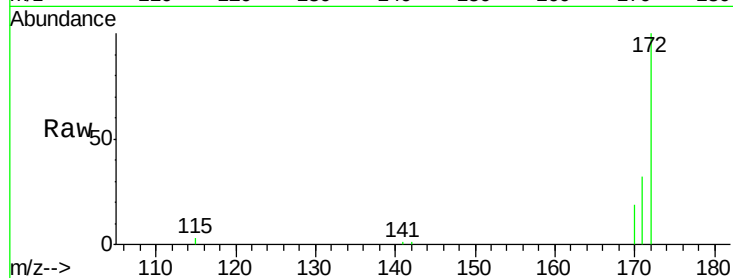
Tot Ion:172 Resp: 11334

Ion Ratio Lower Upper

172 100

171 31.8 25.6 38.4

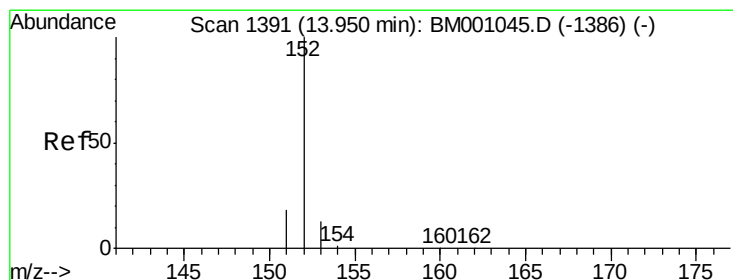
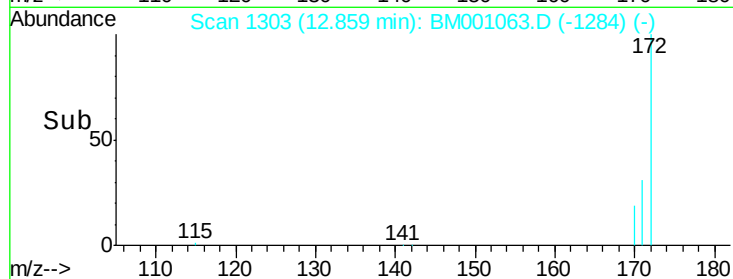
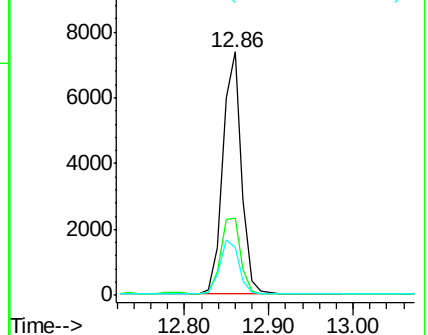
170 19.4 15.8 23.6



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



#10

Acenaphthylene

Concen: 1.03 ng

RT: 13.95 min Scan# 1391

Delta R.T. 0.00 min

Lab File: BM001063.D

Acq: 18 Apr 2015 16:59

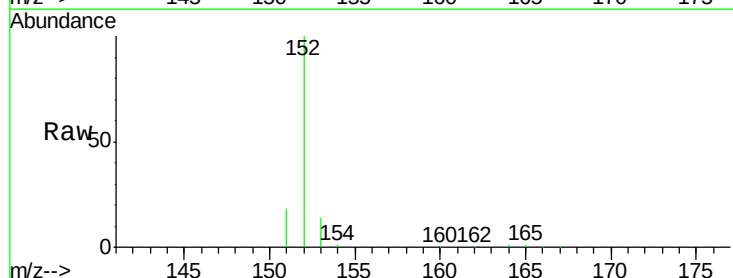
Tgt Ion:152 Resp: 21408

Ion Ratio Lower Upper

152 100

151 18.8 14.7 22.1

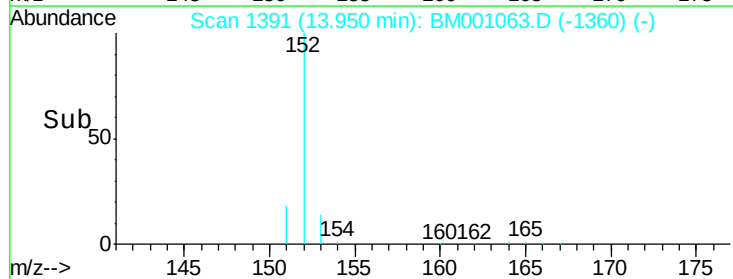
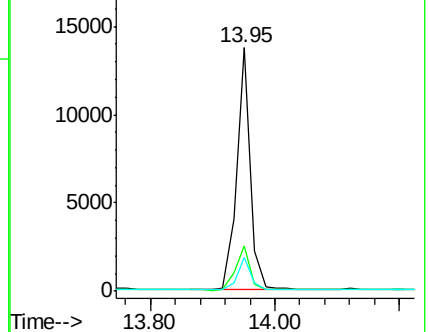
153 13.6 10.2 15.2

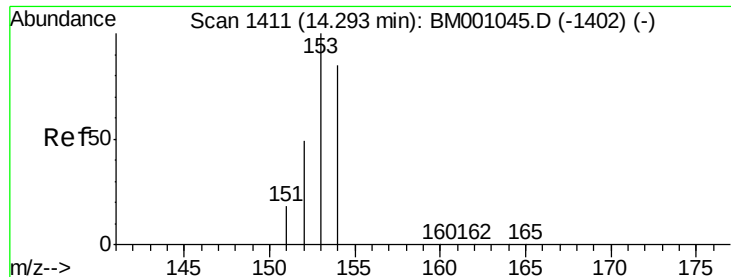


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

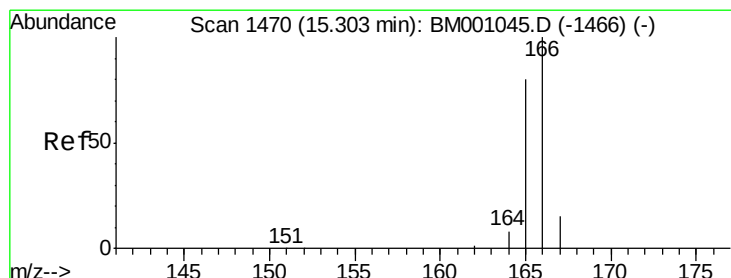
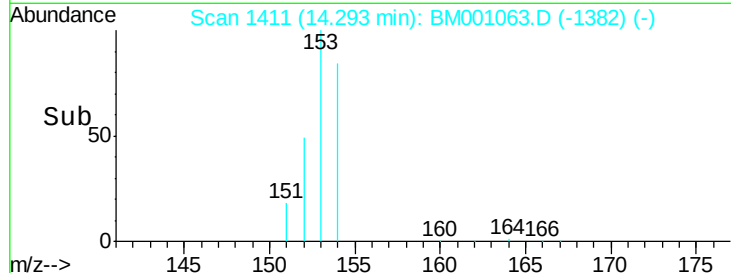
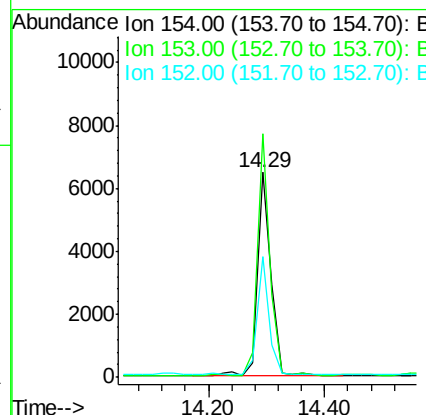
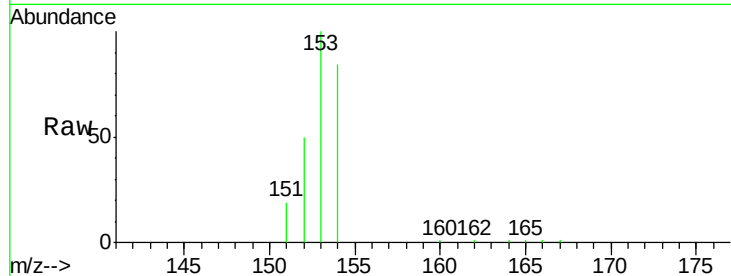
Ion 153.00 (152.70 to 153.70): E





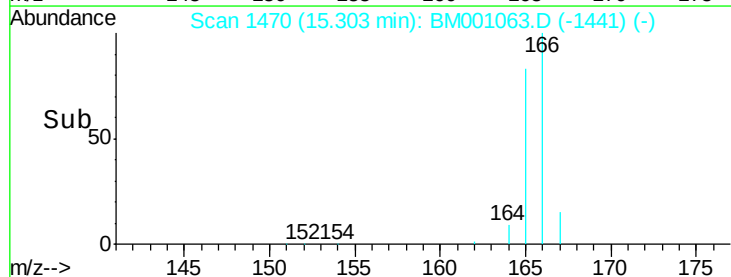
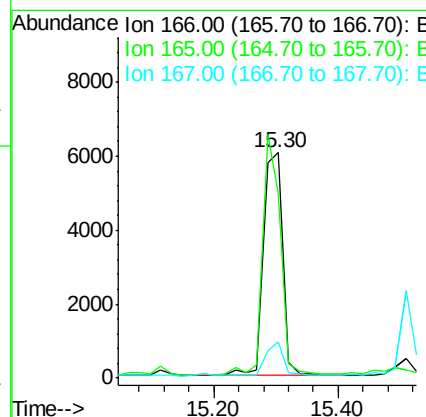
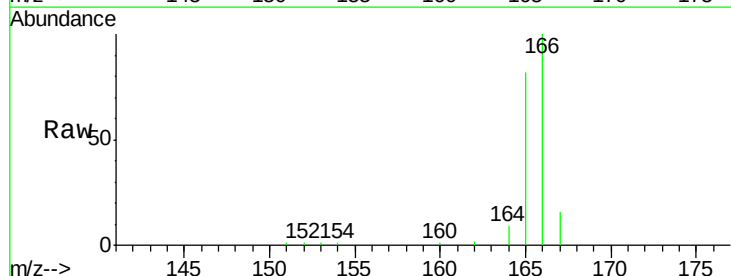
#11
Acenaphthene
Concen: 0.72 ng
RT: 14.29 min Scan# 1411
Delta R.T. 0.00 min
Lab File: BM001063.D
Acq: 18 Apr 2015 16:59

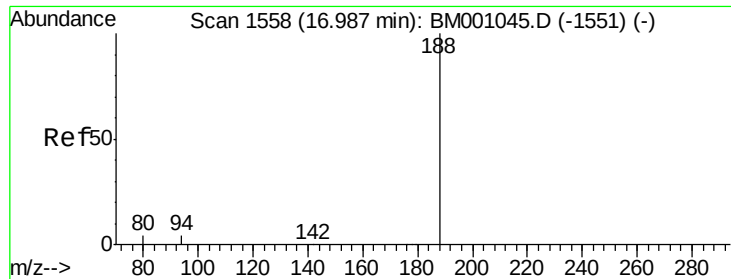
Tot Ion:154 Resp: 10488
Ion Ratio Lower Upper
154 100
153 108.4 88.1 132.1
152 51.8 42.3 63.5



#12
Fluorene
Concen: 0.77 ng
RT: 15.30 min Scan# 1470
Delta R.T. 0.00 min
Lab File: BM001063.D
Acq: 18 Apr 2015 16:59

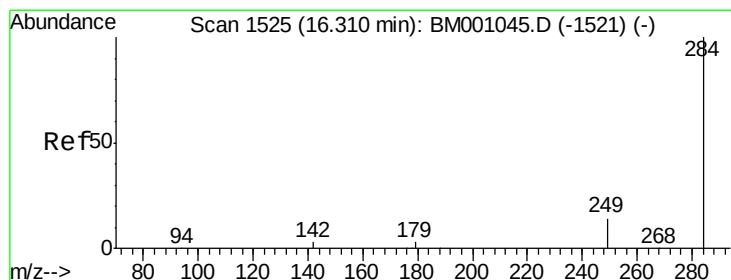
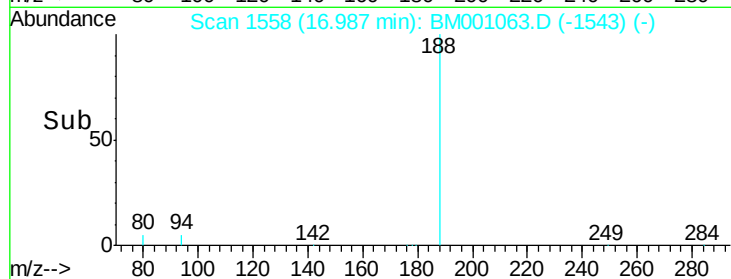
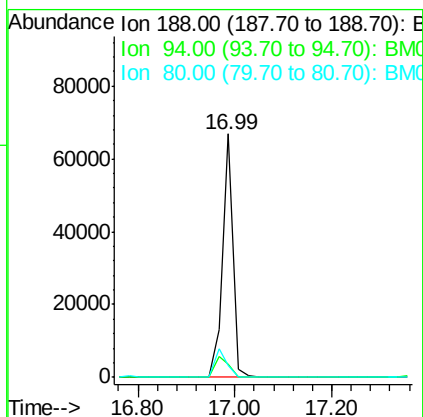
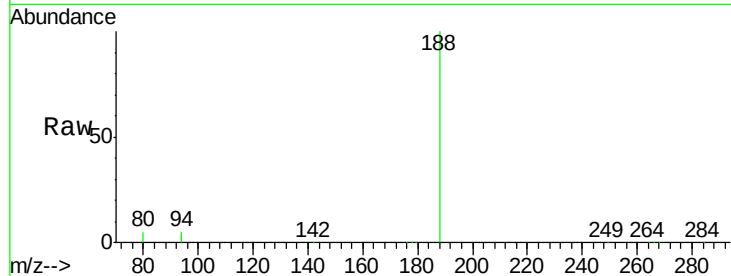
Tgt Ion:166 Resp: 12986
Ion Ratio Lower Upper
166 100
165 98.5 77.6 116.4
167 13.6 10.6 16.0





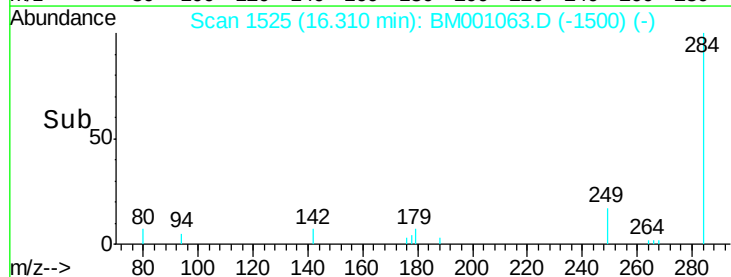
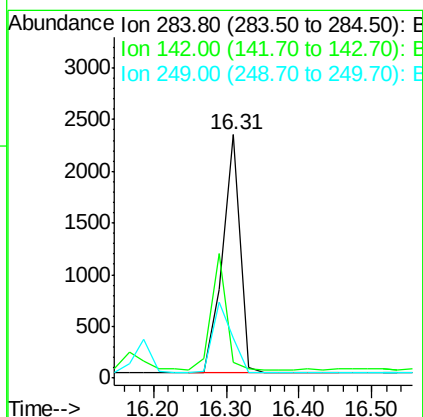
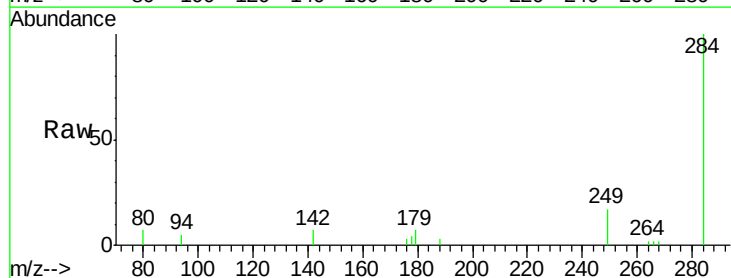
#13
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.99 min Scan# 1558
Delta R.T. 0.00 min
Lab File: BM001063.D
Acq: 18 Apr 2015 16:59

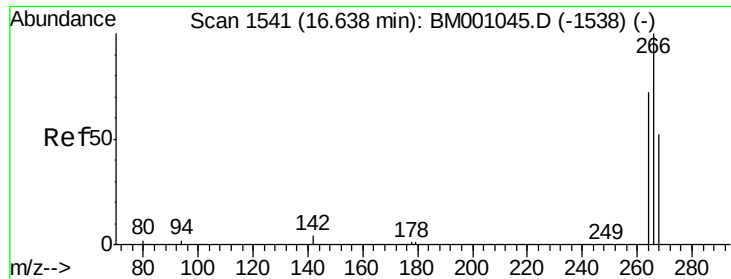
Tot Ion:188 Resp: 102335
Ion Ratio Lower Upper
188 100
94 5.4 3.6 5.4
80 4.7 3.0 4.6#



#14
Hexachlorobenzene
Concen: 0.69 ng
RT: 16.31 min Scan# 1525
Delta R.T. 0.00 min
Lab File: BM001063.D
Acq: 18 Apr 2015 16:59

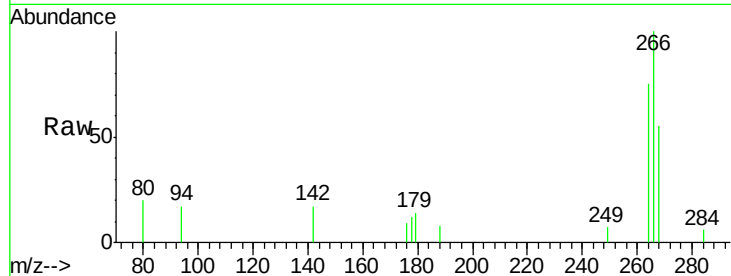
Tgt Ion:284 Resp: 3915
Ion Ratio Lower Upper
284 100
142 0.0 0.0 0.0
249 0.0 0.0 0.0



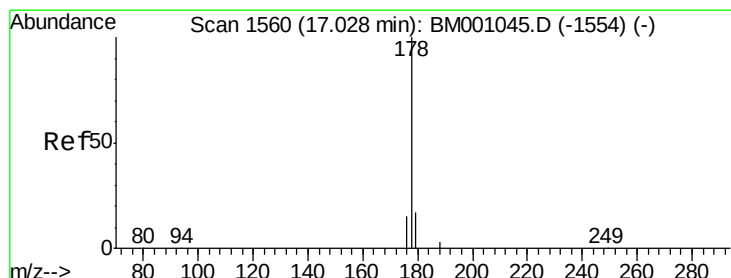
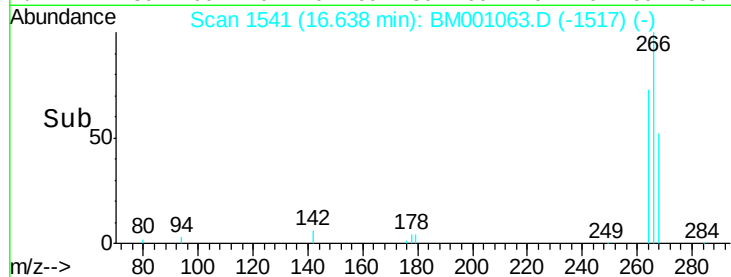
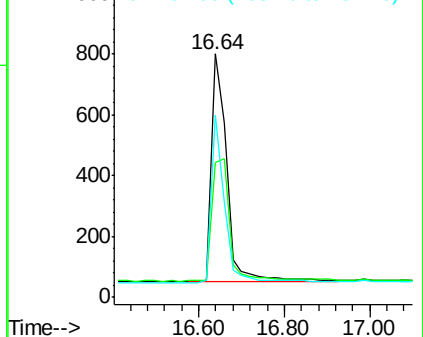


#15
 Pentachlorophenol
 Concen: 1.18 ng
 RT: 16.64 min Scan# 1541
 Delta R.T. 0.00 min
 Lab File: BM001063.D
 Acq: 18 Apr 2015 16:59

Tot Ion	Ratio	Lower	Upper
266	100		
268	55.1	46.3	69.5
264	74.6	59.8	89.6

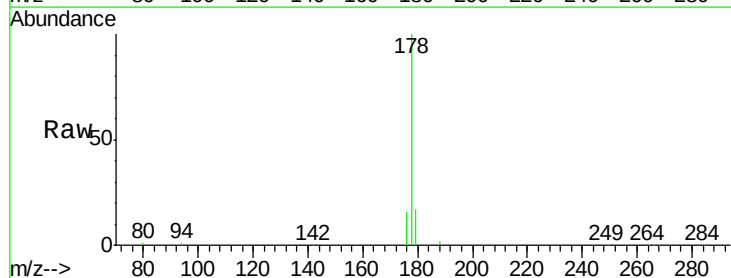


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

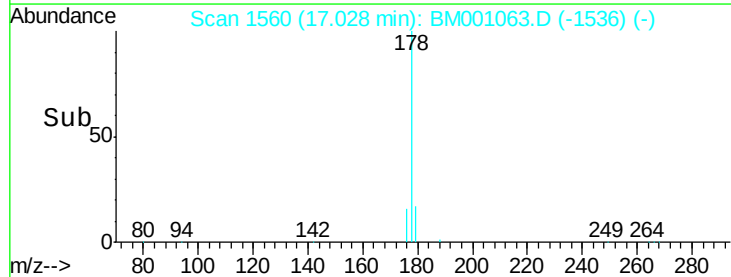
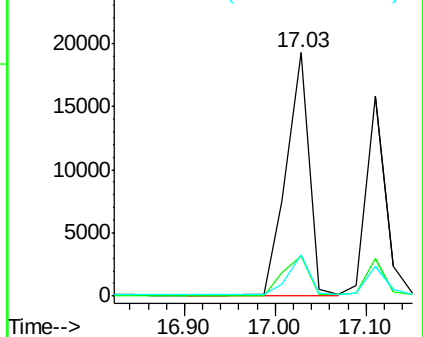


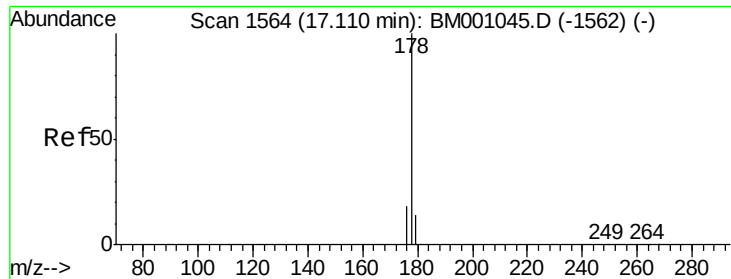
#16
 Phenanthrene
 Concen: 1.24 ng
 RT: 17.03 min Scan# 1560
 Delta R.T. 0.00 min
 Lab File: BM001063.D
 Acq: 18 Apr 2015 16:59

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.6	22.0
179	16.0	12.6	19.0



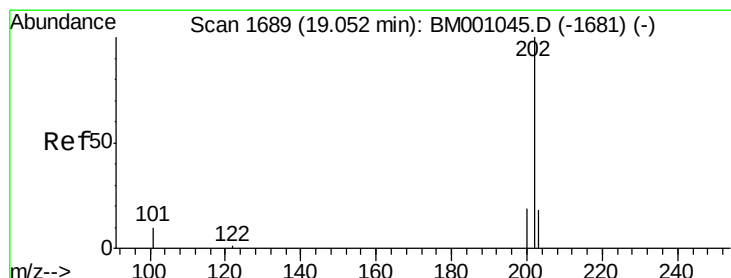
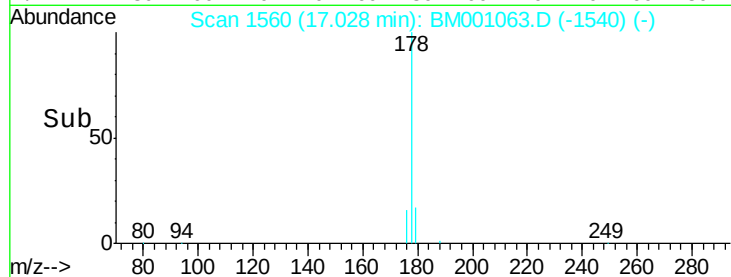
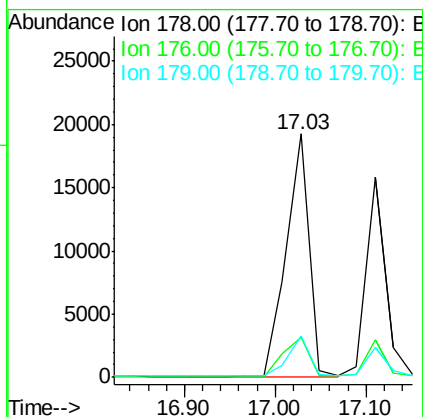
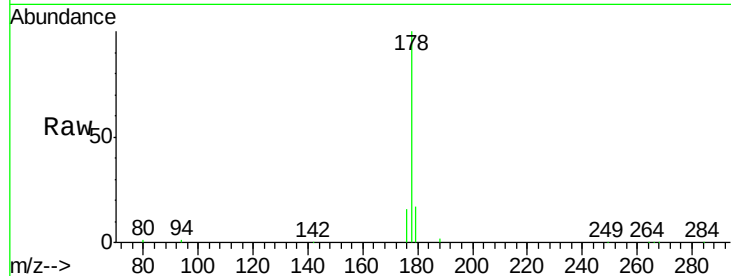
Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E





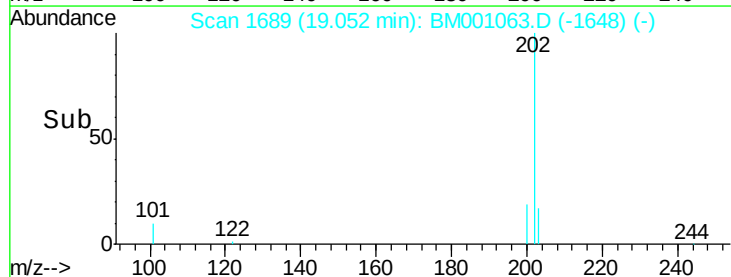
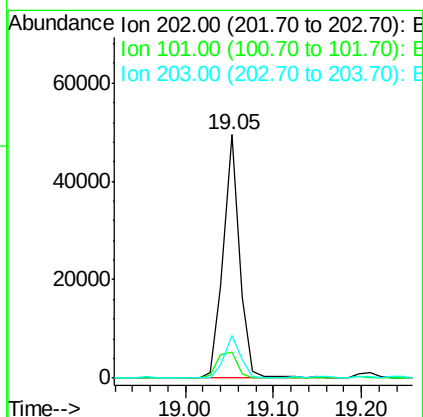
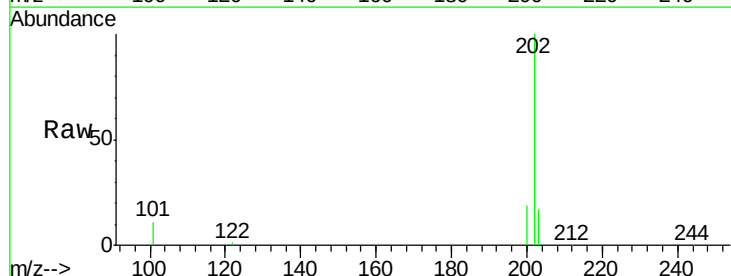
#17
 Anthracene
 Concen: 1.34 ng
 RT: 17.03 min Scan# 1560
 Delta R.T. -0.08 min
 Lab File: BM001063.D
 Acq: 18 Apr 2015 16:59

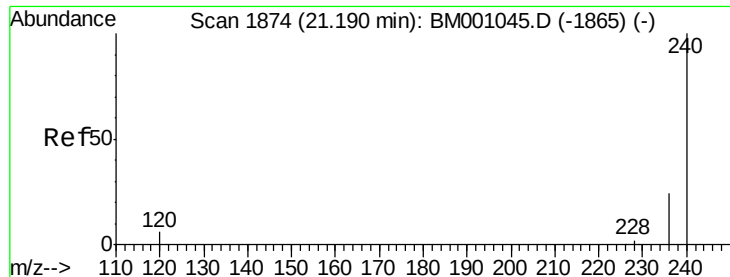
Tot Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.3	21.5
179	16.0	11.8	17.8



#18
 Fluoranthene
 Concen: 2.23 ng
 RT: 19.05 min Scan# 1689
 Delta R.T. 0.00 min
 Lab File: BM001063.D
 Acq: 18 Apr 2015 16:59

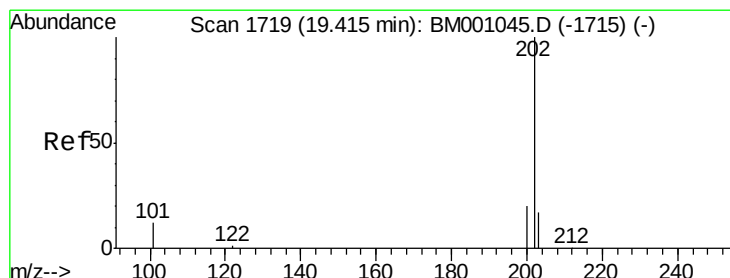
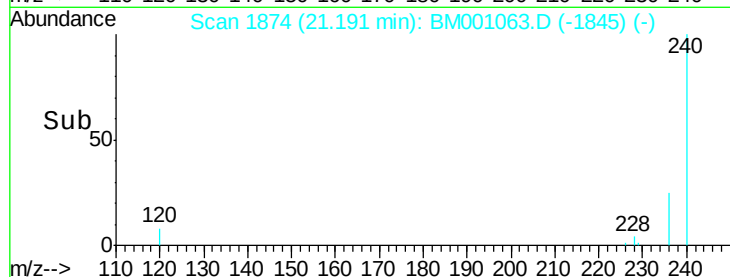
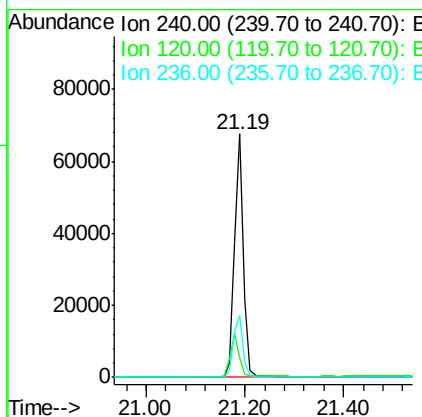
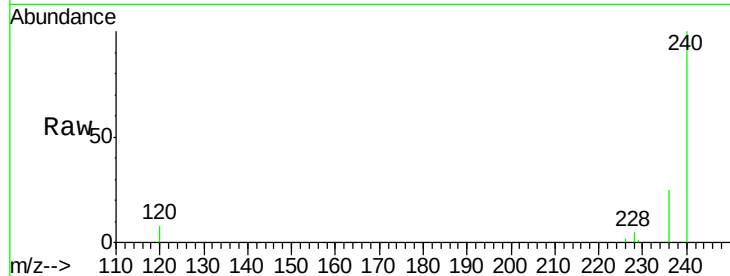
Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.0	10.1	15.1
203	17.3	13.8	20.8





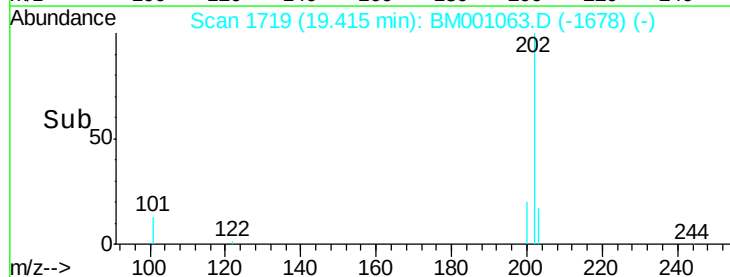
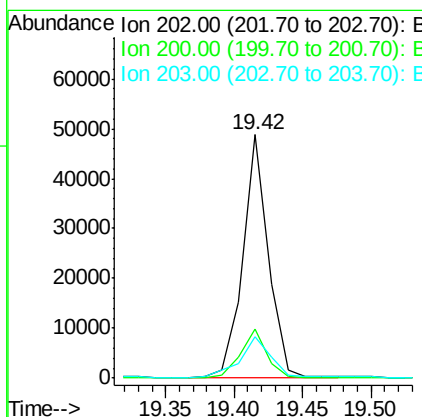
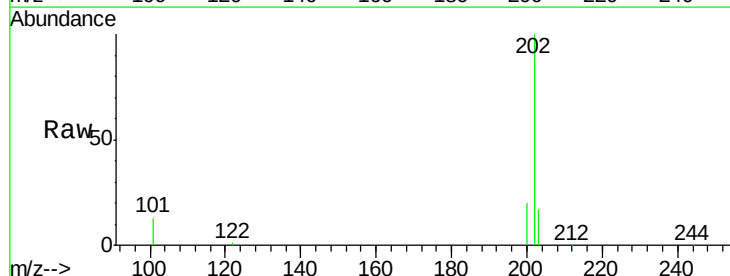
#19
Chrysene-d12
Concen: 5.00 ng
RT: 21.19 min Scan# 1874
Delta R.T. 0.00 min
Lab File: BM001063.D
Acq: 18 Apr 2015 16:59

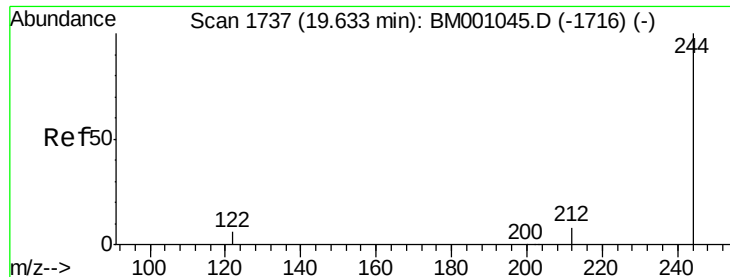
Tot Ion:240 Resp: 84055
Ion Ratio Lower Upper
240 100
120 8.1 4.6 6.8#
236 25.4 19.1 28.7



#20
Pyrene
Concen: 2.24 ng
RT: 19.42 min Scan# 1719
Delta R.T. 0.00 min
Lab File: BM001063.D
Acq: 18 Apr 2015 16:59

Tgt Ion:202 Resp: 62396
Ion Ratio Lower Upper
202 100
200 20.4 16.3 24.5
203 20.4 13.8 20.6





#21

Terphenyl-d14

Concen: 0.76 ng

RT: 19.63 min Scan# 1737

Delta R.T. 0.00 min

Lab File: BM001063.D

Acq: 18 Apr 2015 16:59

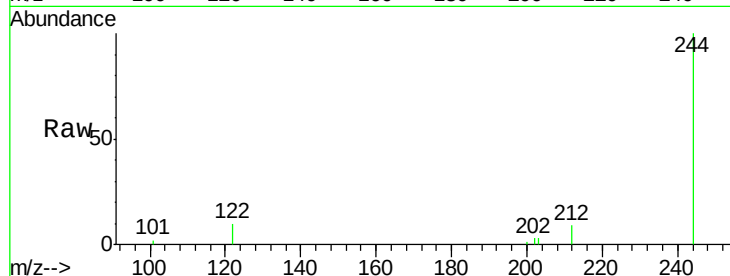
Tot Ion:244 Resp: 8477

Ion Ratio Lower Upper

244 100

212 9.2 7.1 10.7

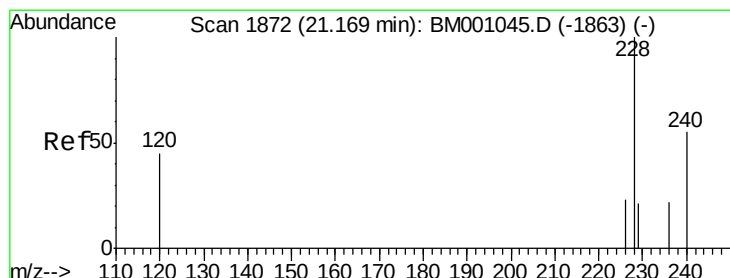
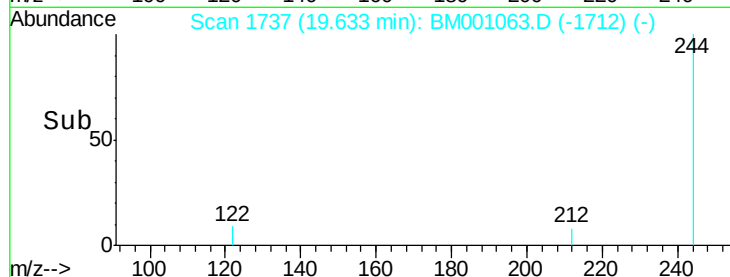
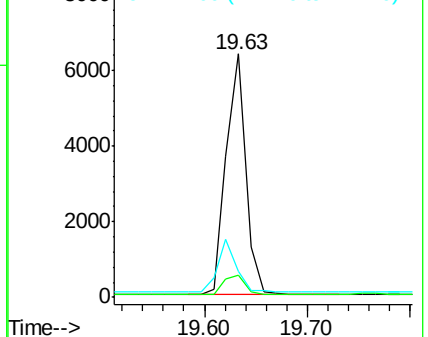
122 10.5 5.9 8.9#



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



#22

Benzo(a)anthracene

Concen: 1.74 ng

RT: 21.17 min Scan# 1872

Delta R.T. 0.00 min

Lab File: BM001063.D

Acq: 18 Apr 2015 16:59

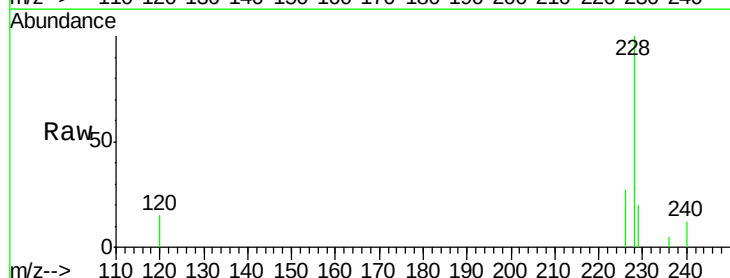
Tgt Ion:228 Resp: 42286

Ion Ratio Lower Upper

228 100

226 26.8 19.0 28.6

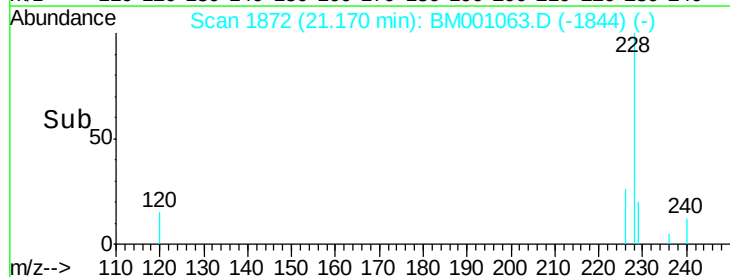
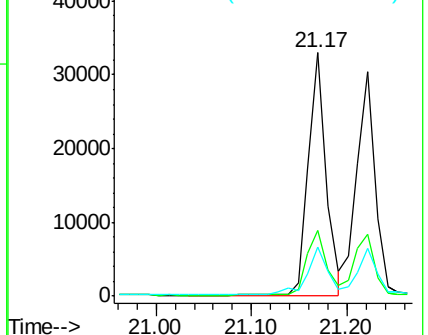
229 20.3 16.8 25.2

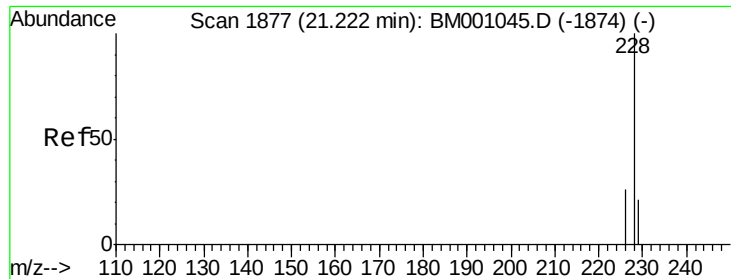


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#23

Chrysene

Concen: 1.60 ng

RT: 21.22 min Scan# 1877

Delta R.T. 0.00 min

Lab File: BM001063.D

Acq: 18 Apr 2015 16:59

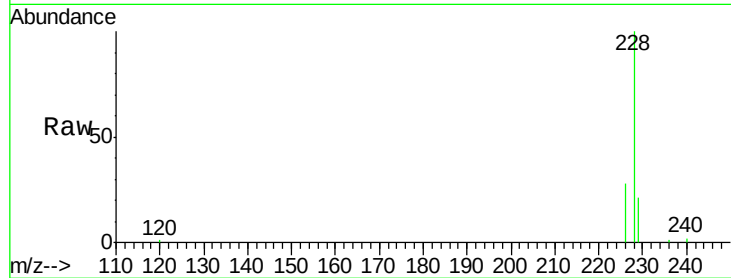
Tot Ion:228 Resp: 40965

Ion Ratio Lower Upper

228 100

226 27.7 20.6 31.0

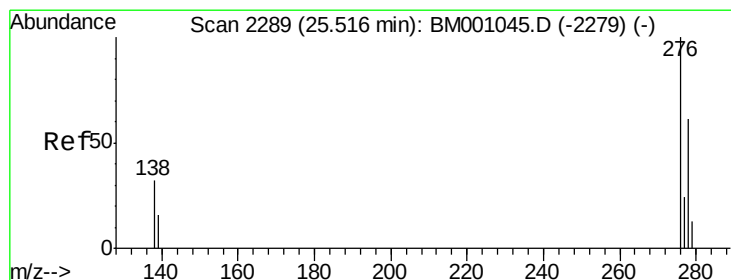
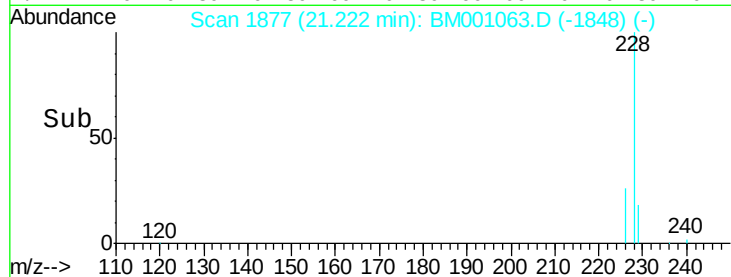
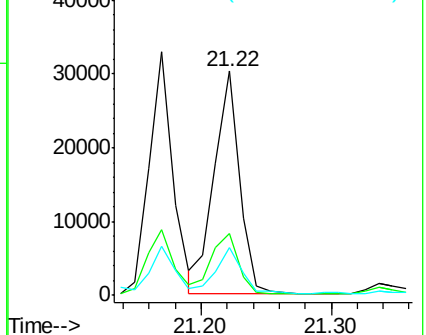
229 21.2 17.2 25.8



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



#24

Indeno(1,2,3-cd)pyrene

Concen: 1.33 ng

RT: 25.53 min Scan# 2290

Delta R.T. 0.01 min

Lab File: BM001063.D

Acq: 18 Apr 2015 16:59

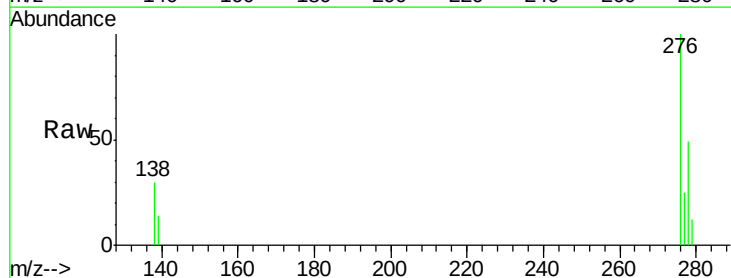
Tgt Ion:276 Resp: 34913

Ion Ratio Lower Upper

276 100

138 29.8 26.3 39.5

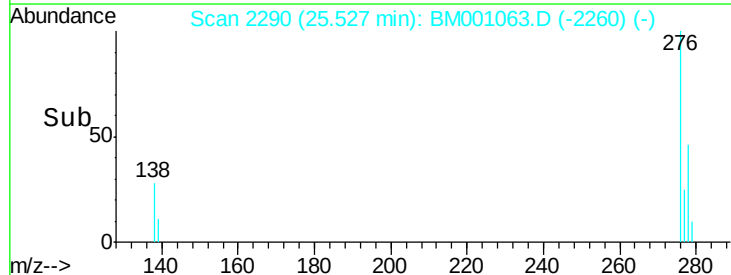
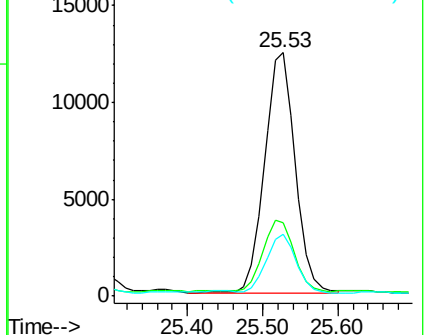
277 24.1 19.5 29.3

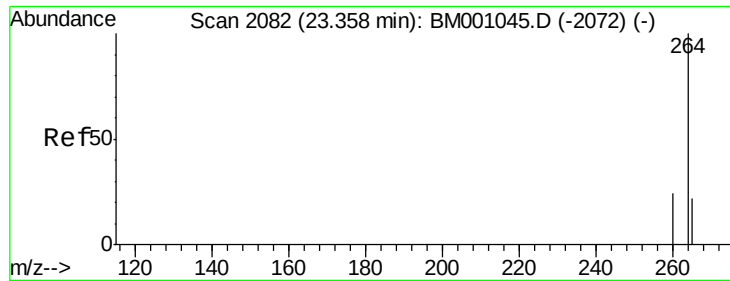


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

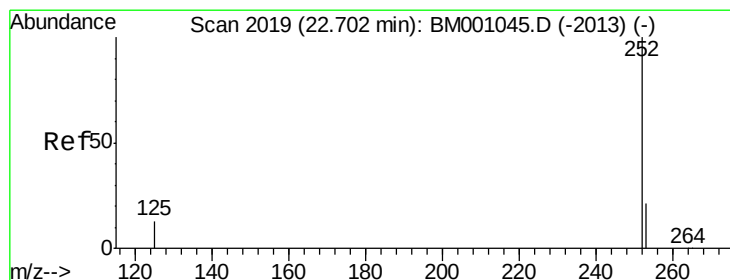
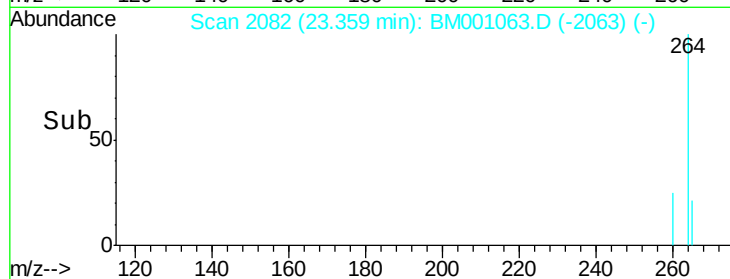
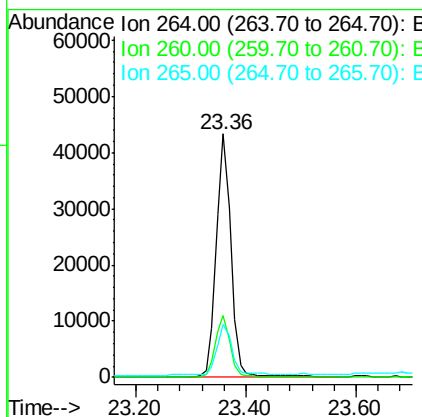
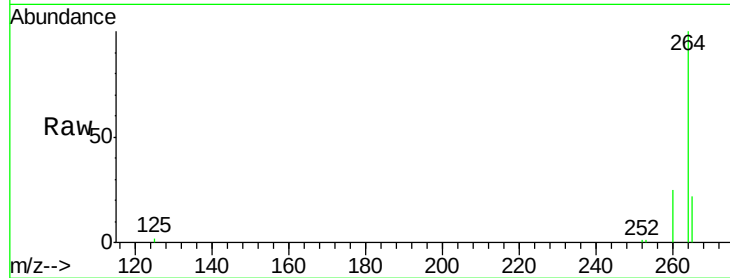
Ion 277.00 (276.70 to 277.70): E





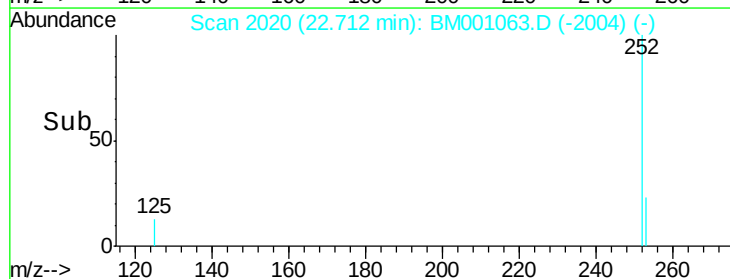
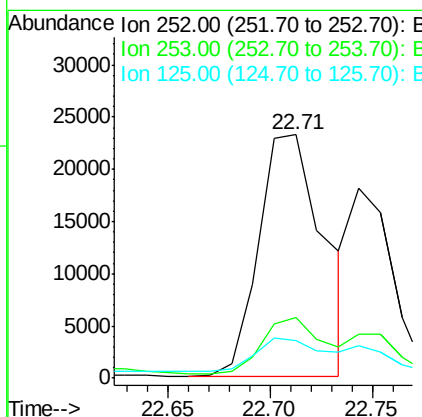
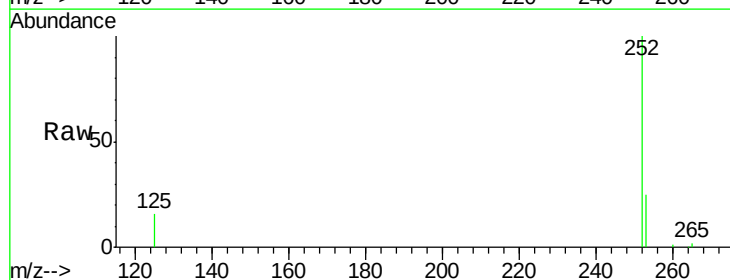
#25
Pervlene-d12
Concen: 5.00 ng
RT: 23.36 min Scan# 2082
Delta R.T. 0.00 min
Lab File: BM001063.D
Acq: 18 Apr 2015 16:59

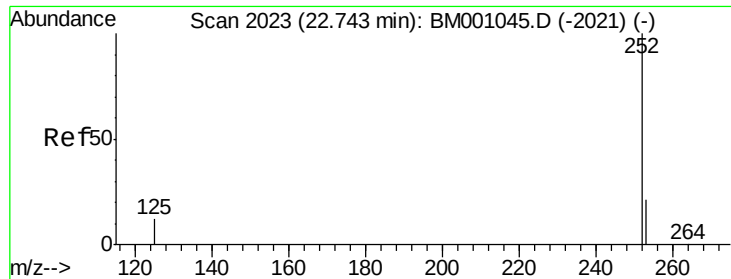
Tot Ion:264 Resp: 79139
Ion Ratio Lower Upper
264 100
260 25.2 19.0 28.6
265 21.6 17.9 26.9



#26
Benzo(b)fluoranthene
Concen: 2.01 ng
RT: 22.71 min Scan# 2020
Delta R.T. 0.01 min
Lab File: BM001063.D
Acq: 18 Apr 2015 16:59

Tgt Ion:252 Resp: 51111
Ion Ratio Lower Upper
252 100
253 24.6 18.2 27.2
125 15.6 10.9 16.3





#27

Benzo(k)fluoranthene

Concen: 2.09 ng

RT: 22.71 min Scan# 2020

Delta R.T. -0.03 min

Lab File: BM001063.D

Acq: 18 Apr 2015 16:59

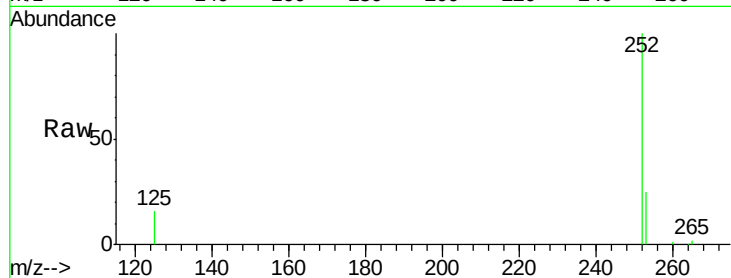
Tot Ion:252 Resp: 51111

Ion Ratio Lower Upper

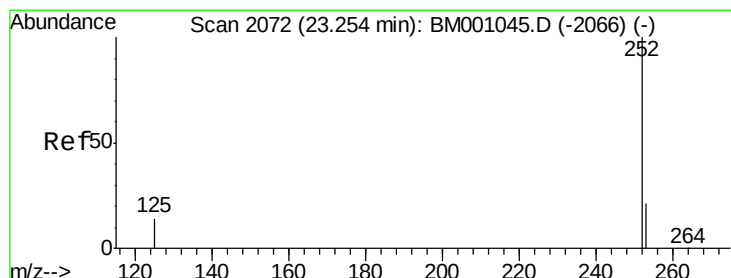
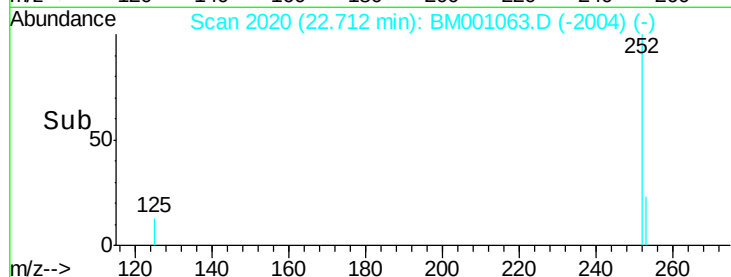
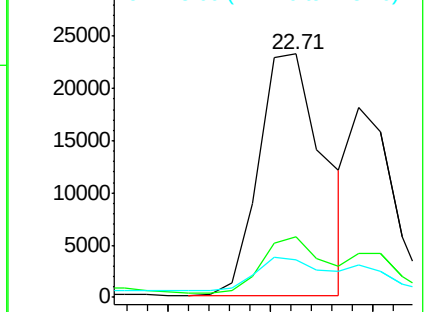
252 100

253 24.6 18.3 27.5

125 15.6 10.6 15.8



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



#28

Benzo(a)pyrene

Concen: 1.73 ng

RT: 23.25 min Scan# 2072

Delta R.T. 0.00 min

Lab File: BM001063.D

Acq: 18 Apr 2015 16:59

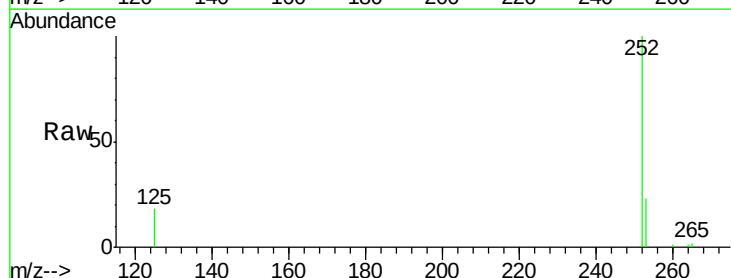
Tgt Ion:252 Resp: 37610

Ion Ratio Lower Upper

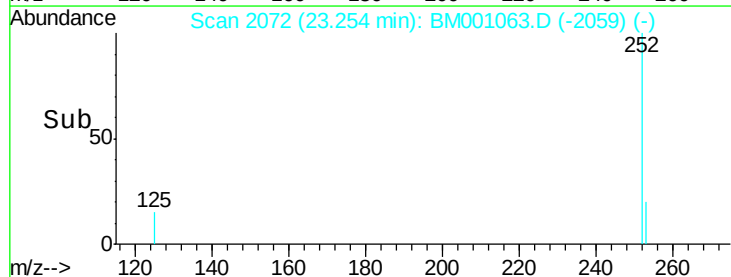
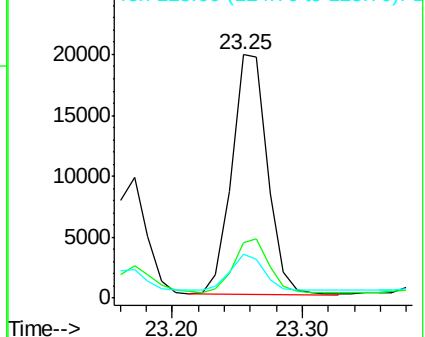
252 100

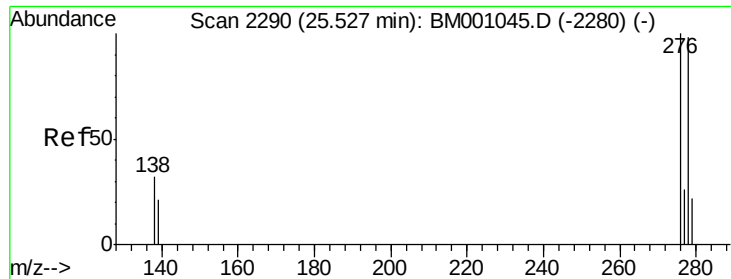
253 22.6 18.6 27.8

125 17.9 11.9 17.9



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

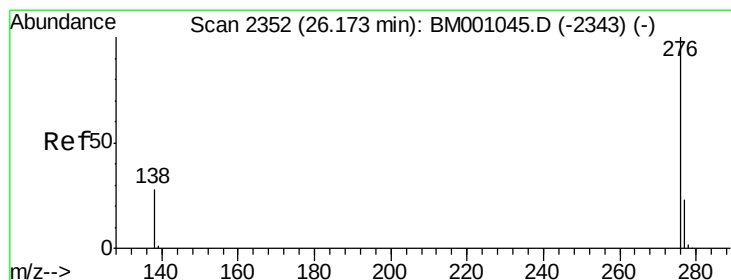
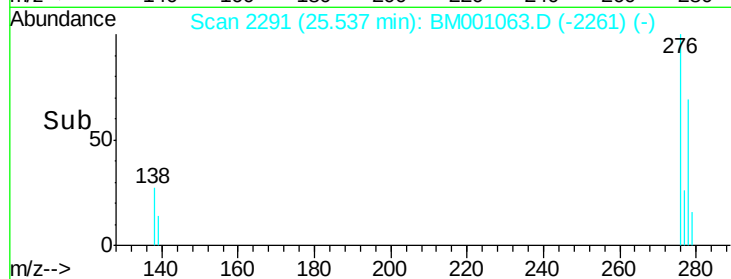
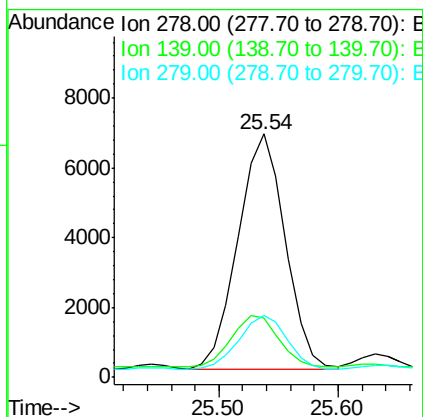
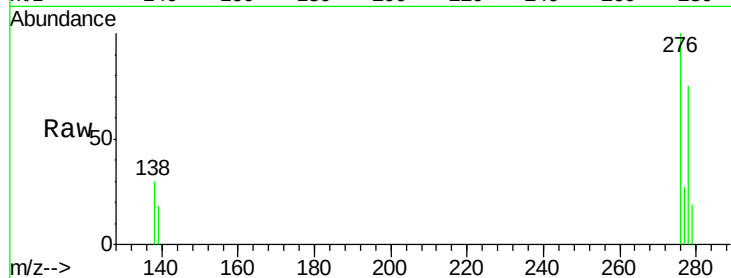




#29
Dibenzo(a,h)anthracene
Concen: 0.86 ng
RT: 25.54 min Scan# 2291
Delta R.T. 0.01 min
Lab File: BM001063.D
Acq: 18 Apr 2015 16:59

Tot Ion: 278 Resp: 18465

Ion	Ratio	Lower	Upper
278	100		
139	24.6	18.2	27.2
279	25.5	19.1	28.7



#30
Benzo(g,h,i)perylene
Concen: 1.43 ng
RT: 26.18 min Scan# 2353
Delta R.T. 0.01 min
Lab File: BM001063.D
Acq: 18 Apr 2015 16:59

Tgt Ion: 276 Resp: 33290

Ion	Ratio	Lower	Upper
276	100		
277	23.9	19.0	28.4
138	30.5	23.4	35.2

