

Data Path : Z:\HPCHEM1\BNA M\DATA\BM041815\
 Data File : BM001065.D
 Acq On : 18 Apr 2015 18:11
 Operator : TP/IZ
 Sample : SSTDCCC001
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Apr 20 08:19:39 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	19481	5.00	ng	0.00
4) Naphthalene-d8	10.36	136	70656	5.00	ng	0.00
8) Acenaphthene-d10	14.24	164	35815	5.00	ng	0.00
13) Phenanthrene-d10	16.99	188	78120	5.00	ng	0.00
19) Chrysene-d12	21.19	240	66593	5.00	ng	0.00
25) Perylene-d12	23.36	264	61635	5.00	ng	0.00

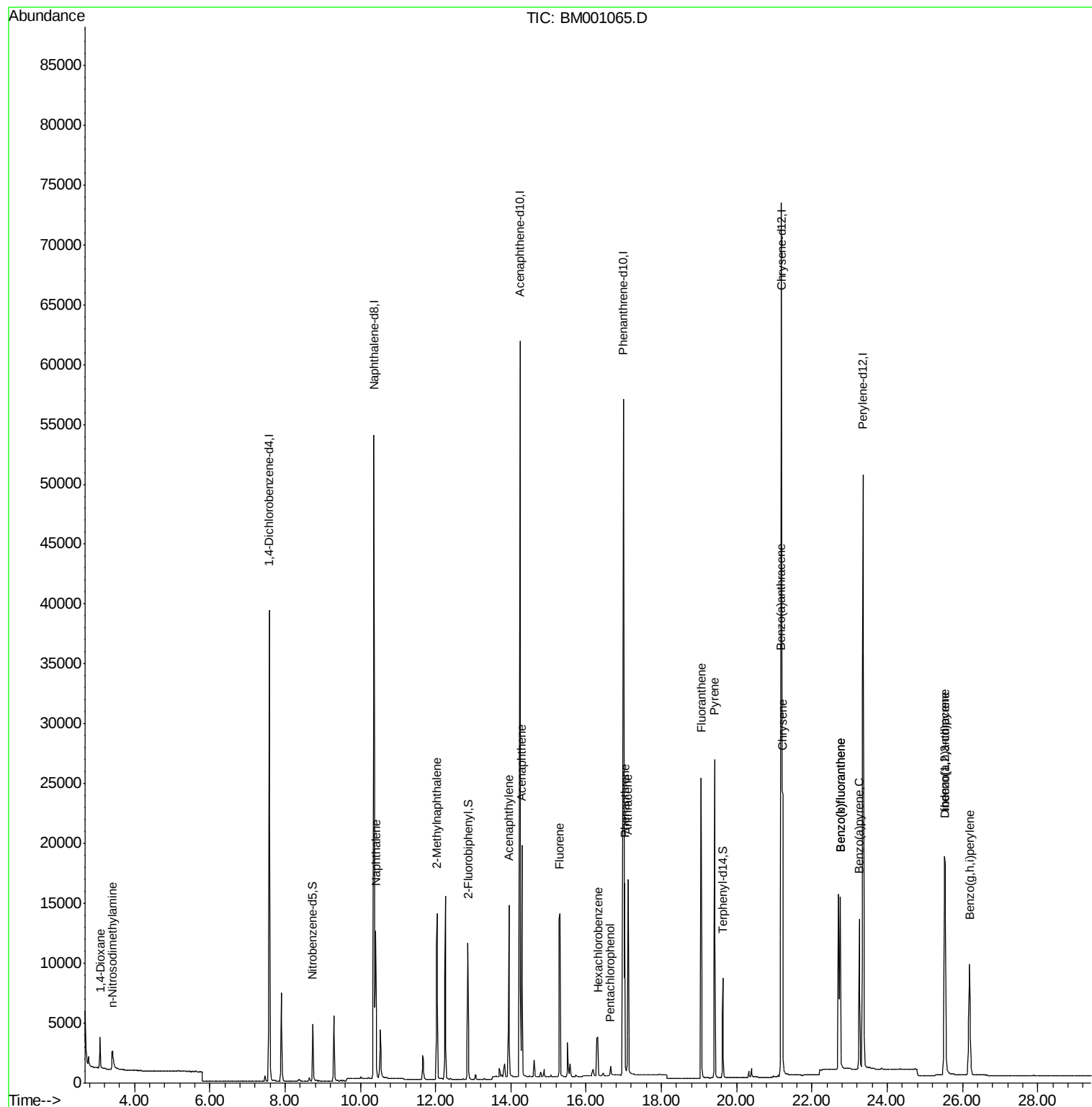
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) Nitrobenzene-d5	8.74	82	4158	1.13	ng	0.00
9) 2-Fluorobiphenyl	12.86	172	11554	0.98	ng	0.00
21) Terphenyl-d14	19.63	244	9070	1.03	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) 1,4-Dioxane	3.08	88	1994	0.91	ng	# 100
3) n-Nitrosodimethylamine	3.41	42	1927	0.94	ng	90
6) Naphthalene	10.41	128	16663	0.99	ng	100
7) 2-Methylnaphthalene	12.04	142	10701	0.98	ng	99
10) Acenaphthylene	13.95	152	16876	1.07	ng	99
11) Acenaphthene	14.29	154	10752	0.97	ng	99
12) Fluorene	15.30	166	12788	1.00	ng	100
14) Hexachlorobenzene	16.31	284	4262	0.99	ng	# 100
15) Pentachlorophenol	16.64	266	1006	0.91	ng	98
16) Phenanthrene	17.03	178	20463	0.99	ng	100
17) Anthracene	17.11	178	19448	1.02	ng	99
18) Fluoranthene	19.05	202	22464	1.04	ng	100
20) Pyrene	19.42	202	23589	1.07	ng	100
22) Benzo(a)anthracene	21.17	228	21349	1.11	ng	96
23) Chrysene	21.22	228	19077	0.94	ng	95
24) Indeno(1,2,3-cd)pyrene	25.53	276	21898	1.06	ng	100
26) Benzo(b)fluoranthene	22.75	252	19953	1.01	ng	96
27) Benzo(k)fluoranthene	22.75	252	19953	1.05	ng	96
28) Benzo(a)pyrene	23.26	252	18048	1.07	ng	97
29) Dibenzo(a,h)anthracene	25.54	278	16946	1.01	ng	98
30) Benzo(g,h,i)perylene	26.18	276	18007	0.99	ng	98

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

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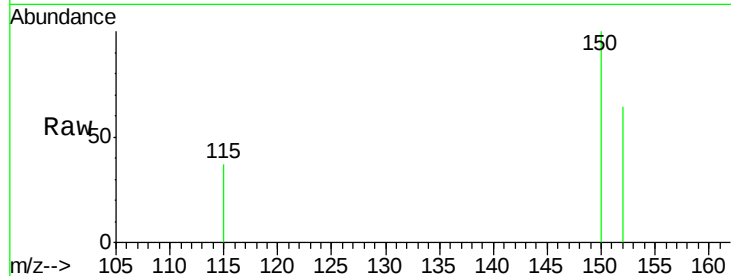




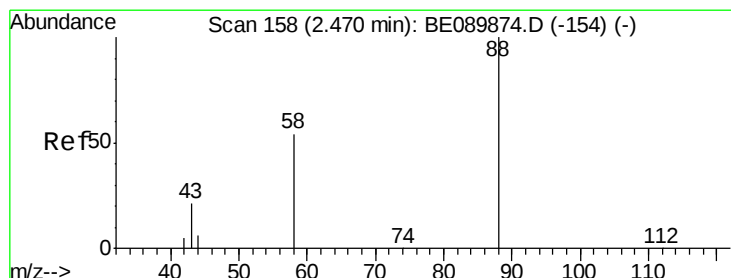
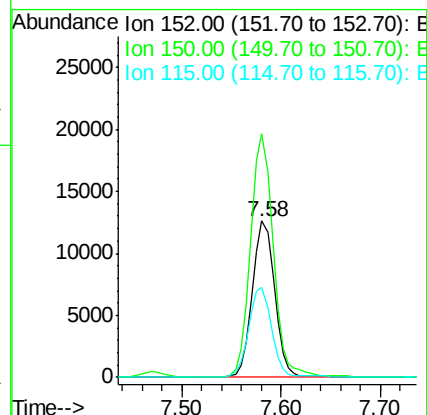
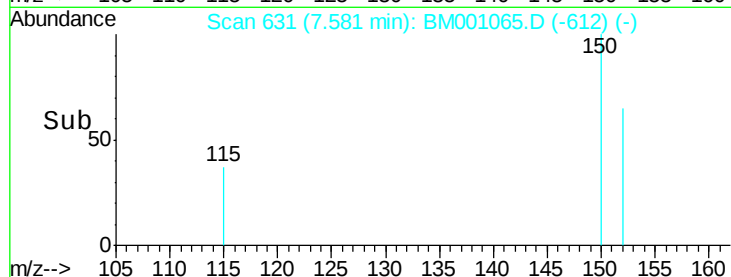
#1

1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.58 min Scan# 631
Delta R.T. 0.00 min
Lab File: BM001065.D
Acq: 18 Apr 2015 18:11

Tot Ion:152 Resp: 19481
Ion Ratio Lower Upper
152 100
150 155.9 123.3 184.9
115 57.4 45.0 67.6



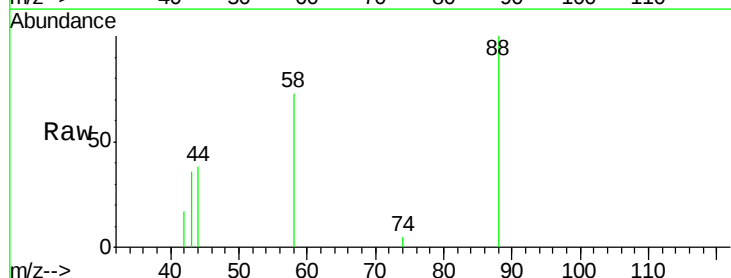
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



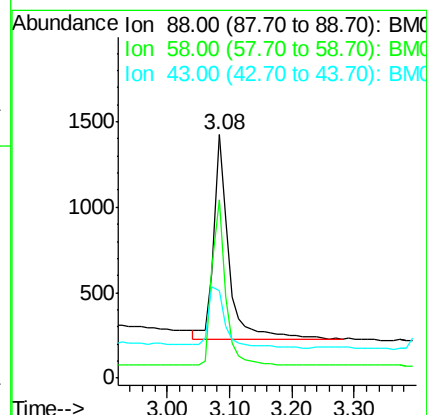
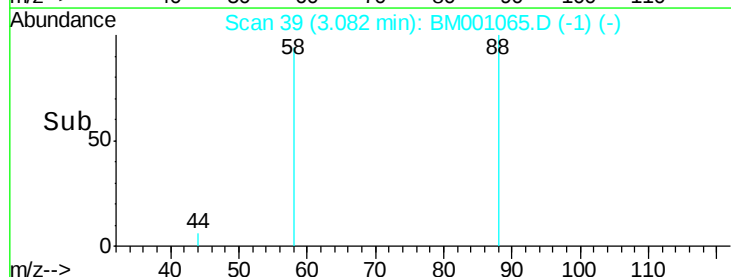
#2

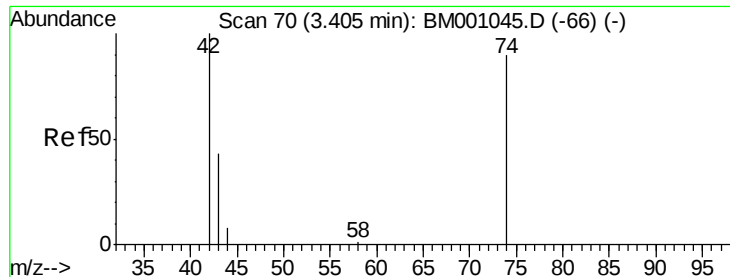
1,4-Dioxane
Concen: 0.91 ng
RT: 3.08 min Scan# 39
Delta R.T. 0.00 min
Lab File: BM001065.D
Acq: 18 Apr 2015 18:11

Tgt Ion: 88 Resp: 1994
Ion Ratio Lower Upper
88 100
58 71.3 0.0 0.0#
43 33.2 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: 0.94 ng

RT: 3.41 min Scan# 70

Delta R.T. 0.00 min

Lab File: BM001065.D

Acq: 18 Apr 2015 18:11

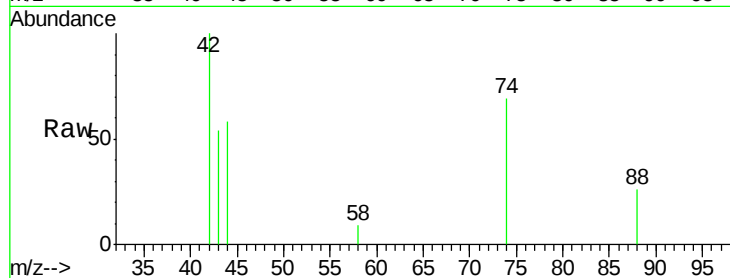
Tot Ion: 42 Resp: 1927

Ion Ratio Lower Upper

42 100

74 126.1 92.1 138.1

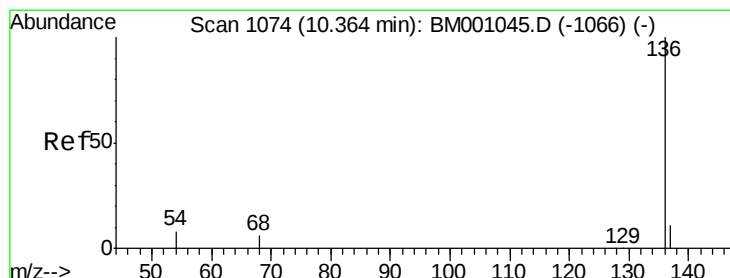
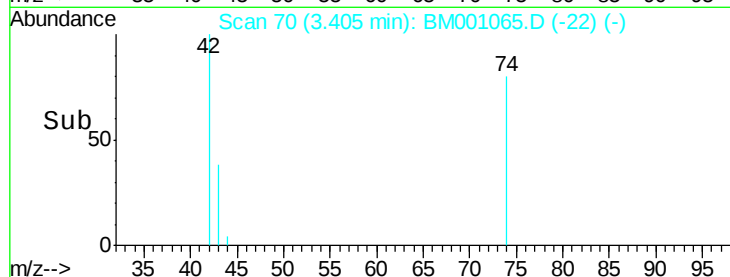
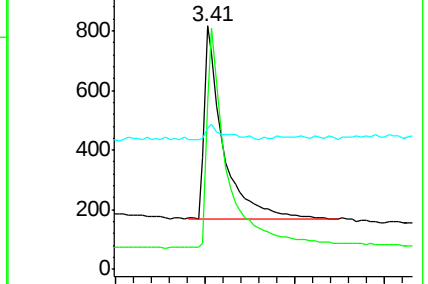
44 7.7 5.8 8.6



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: BM001065.D

Acq: 18 Apr 2015 18:11

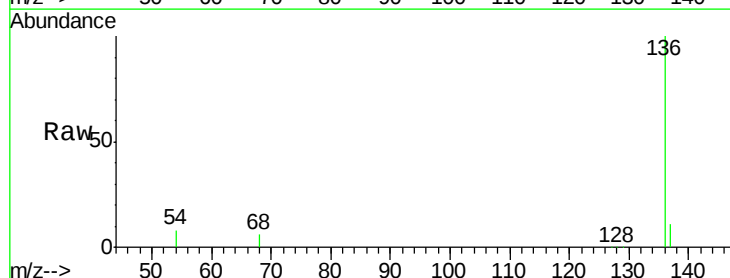
Tgt Ion: 136 Resp: 70656

Ion Ratio Lower Upper

136 100

137 10.7 8.6 13.0

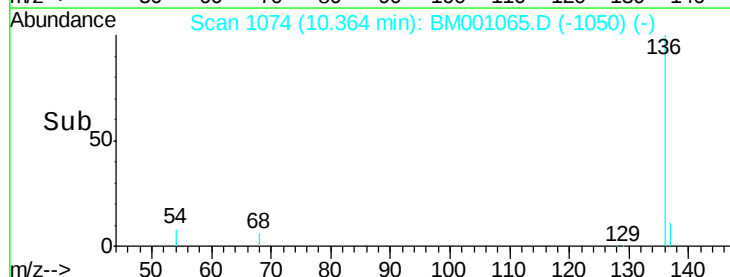
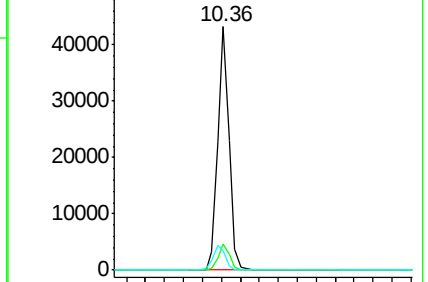
54 8.2 6.5 9.7

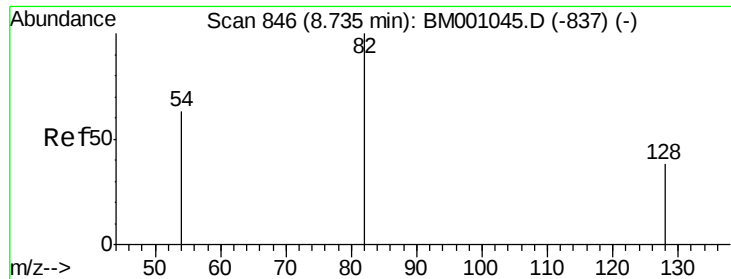


Abundance Ion 136.00 (135.70 to 136.70): BM001045.D (-1066) (-)

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: 1.13 ng

RT: 8.74 min Scan# 846

Delta R.T. 0.00 min

Lab File: BM001065.D

Acq: 18 Apr 2015 18:11

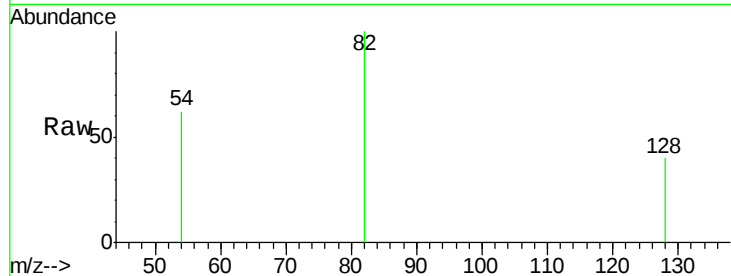
Tot Ion: 82 Resp: 4158

Ion Ratio Lower Upper

82 100

128 40.0 31.9 47.9

54 61.5 51.3 76.9

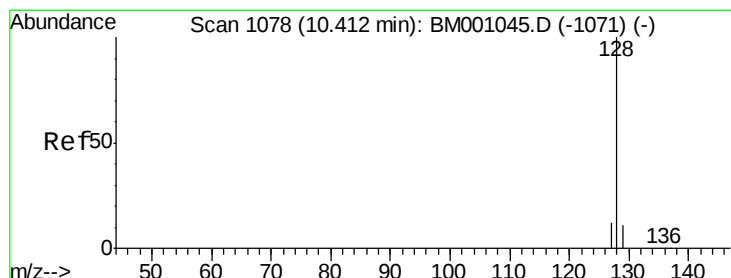
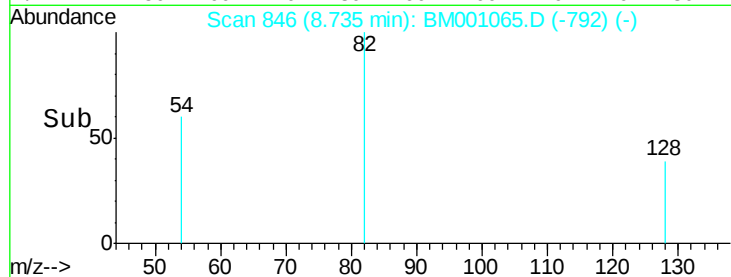


Abundance Ion 82.00 (81.70 to 82.70): BM001045.D (-837) (-)

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: 0.99 ng

RT: 10.41 min Scan# 1078

Delta R.T. 0.00 min

Lab File: BM001065.D

Acq: 18 Apr 2015 18:11

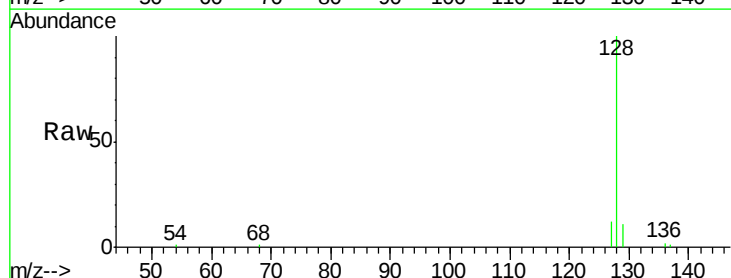
Tgt Ion: 128 Resp: 16663

Ion Ratio Lower Upper

128 100

129 11.4 9.3 13.9

127 12.4 10.0 15.0

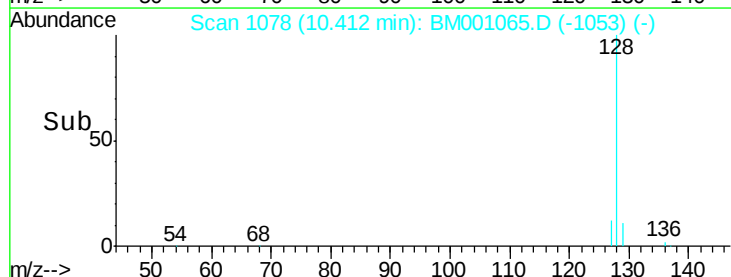


Abundance Ion 128.00 (127.70 to 128.70): BM001045.D (-1071) (-)

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: 0.98 ng

RT: 12.04 min Scan# 1224

Delta R.T. 0.00 min

Lab File: BM001065.D

Acq: 18 Apr 2015 18:11

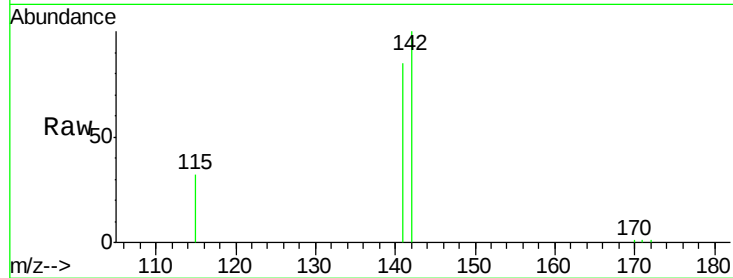
Tot Ion:142 Resp: 10701

Ion Ratio Lower Upper

142 100

141 85.2 66.7 100.1

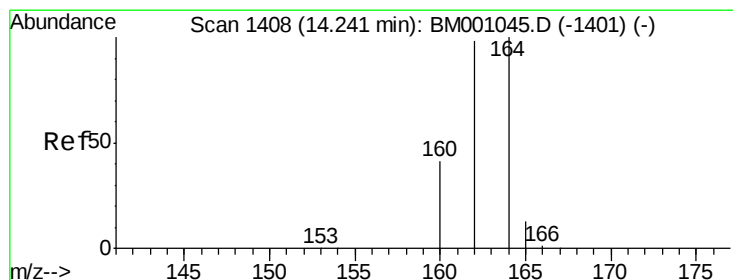
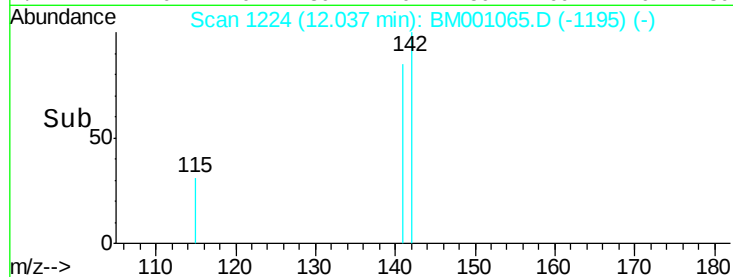
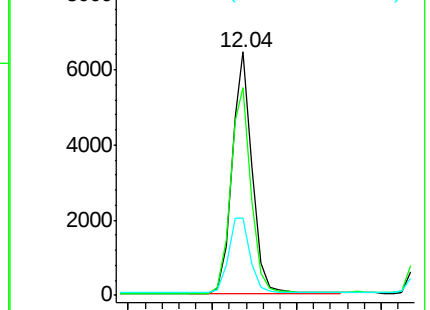
115 31.8 25.5 38.3



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: BM001065.D

Acq: 18 Apr 2015 18:11

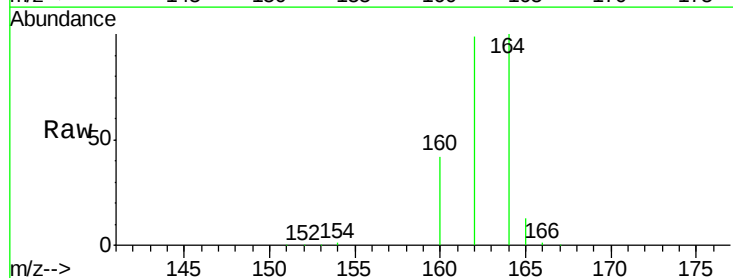
Tgt Ion:164 Resp: 35815

Ion Ratio Lower Upper

164 100

162 98.9 78.5 117.7

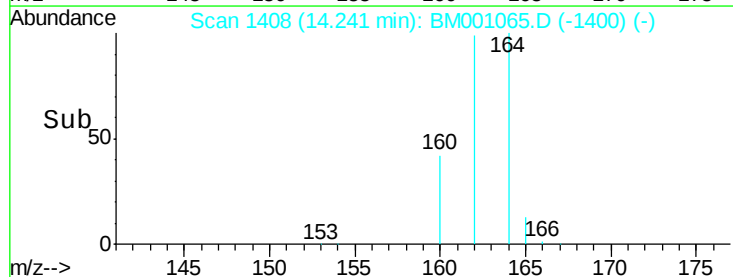
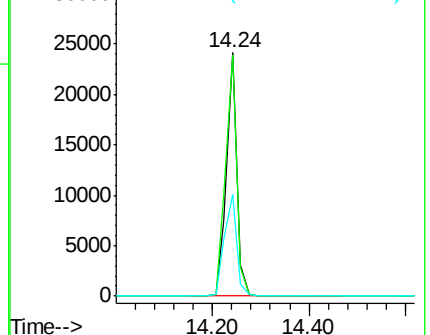
160 41.8 32.9 49.3



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: 0.98 ng

RT: 12.86 min Scan# 1303

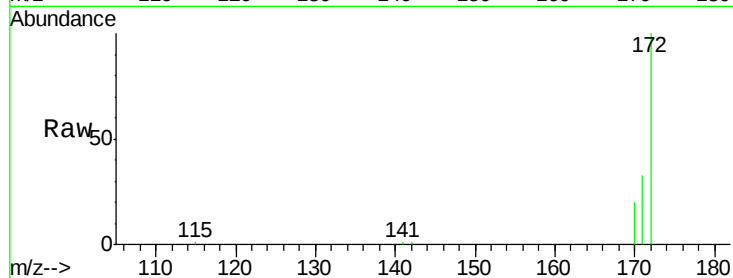
Delta R.T. 0.00 min

Lab File: BM001065.D

Acq: 18 Apr 2015 18:11

Tot Ion:172 Resp: 11554

Ion	Ratio	Lower	Upper
172	100		
171	32.7	25.6	38.4
170	20.2	15.8	23.6

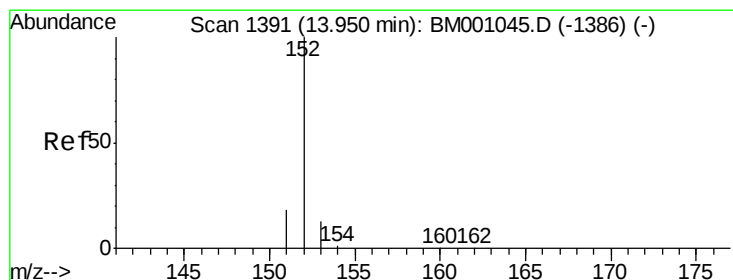
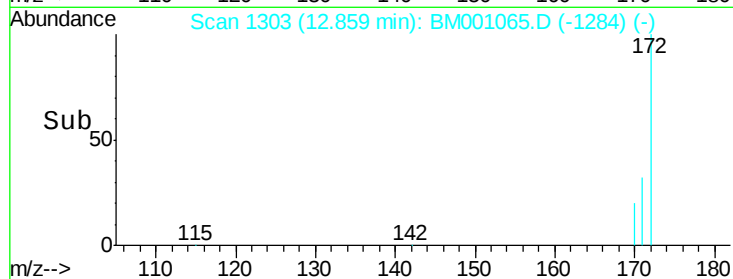
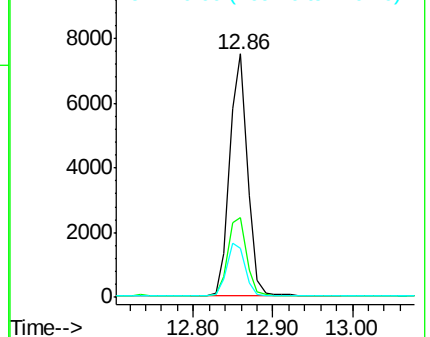


Abundance

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: 1.07 ng

RT: 13.95 min Scan# 1391

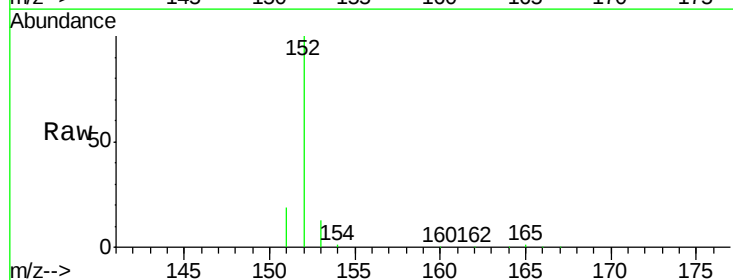
Delta R.T. 0.00 min

Lab File: BM001065.D

Acq: 18 Apr 2015 18:11

Tgt Ion:152 Resp: 16876

Ion	Ratio	Lower	Upper
152	100		
151	19.0	14.7	22.1
153	12.7	10.2	15.2

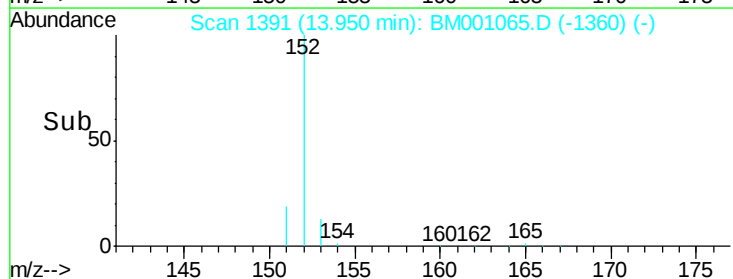
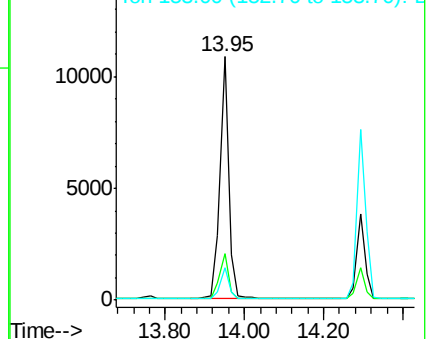


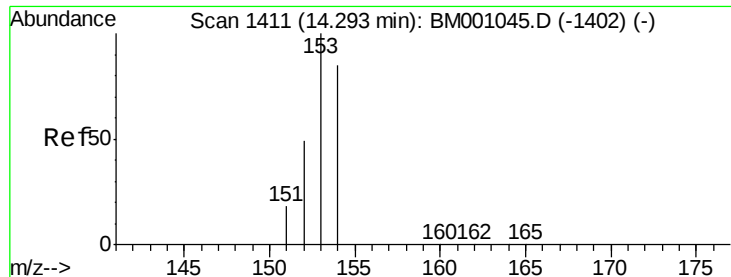
Abundance

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: 0.97 ng

RT: 14.29 min Scan# 1411

Delta R.T. 0.00 min

Lab File: BM001065.D

Acq: 18 Apr 2015 18:11

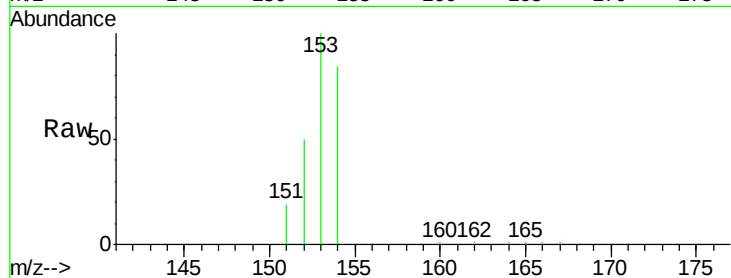
Tot Ion:154 Resp: 10752

Ion Ratio Lower Upper

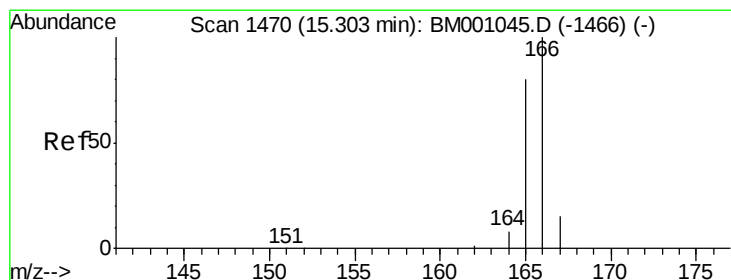
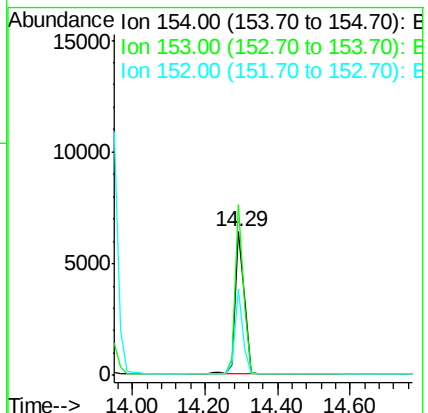
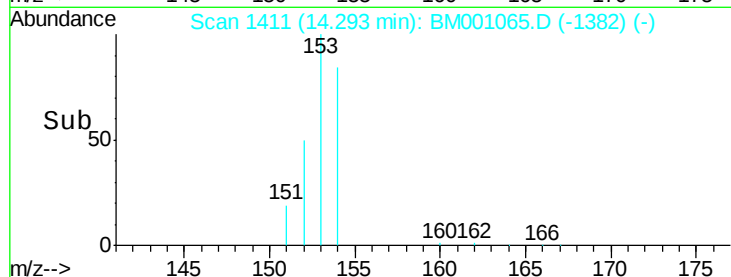
154 100

153 109.4 88.1 132.1

152 52.4 42.3 63.5



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



#12

Fluorene

Concen: 1.00 ng

RT: 15.30 min Scan# 1470

Delta R.T. 0.00 min

Lab File: BM001065.D

Acq: 18 Apr 2015 18:11

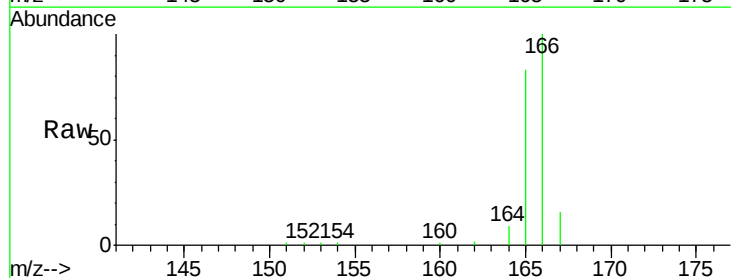
Tgt Ion:166 Resp: 12788

Ion Ratio Lower Upper

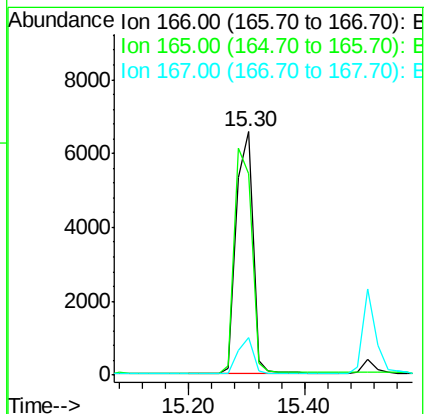
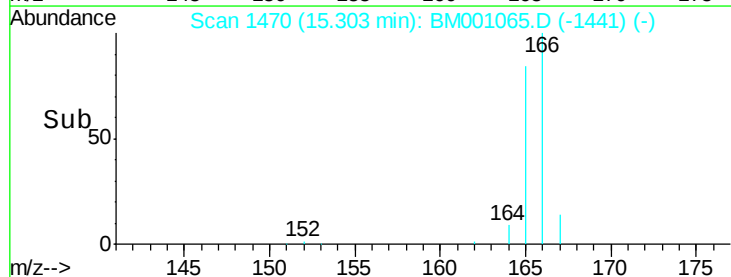
166 100

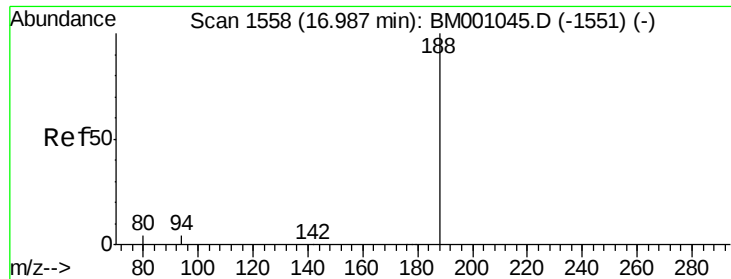
165 97.0 77.6 116.4

167 13.6 10.6 16.0



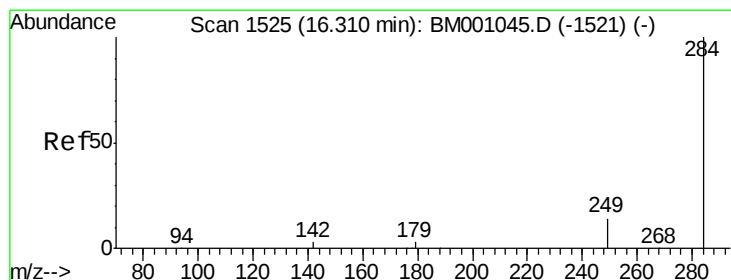
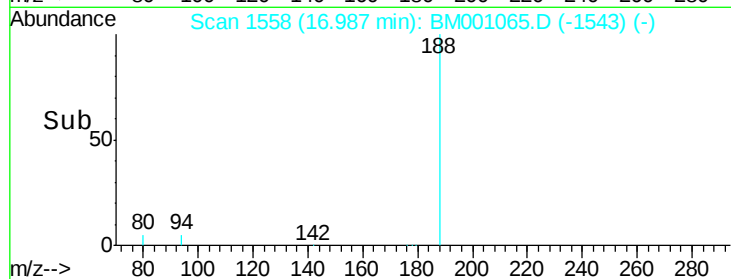
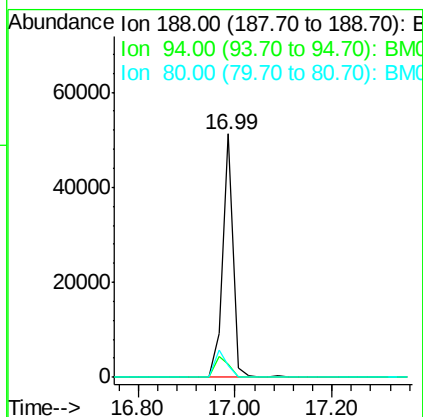
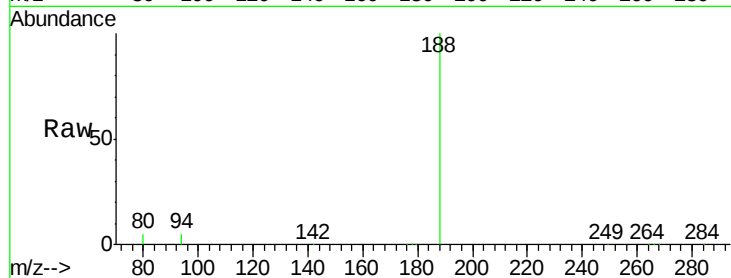
Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





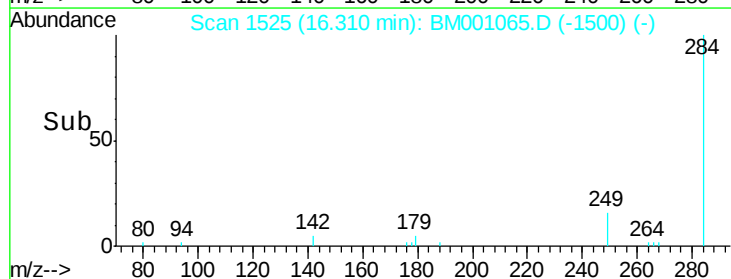
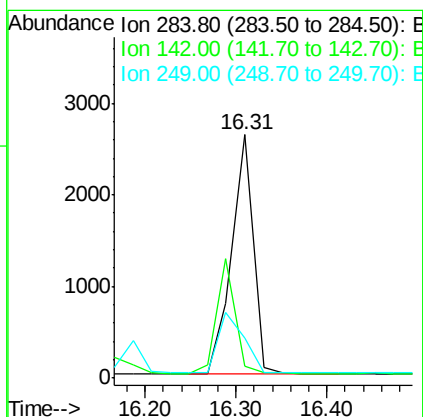
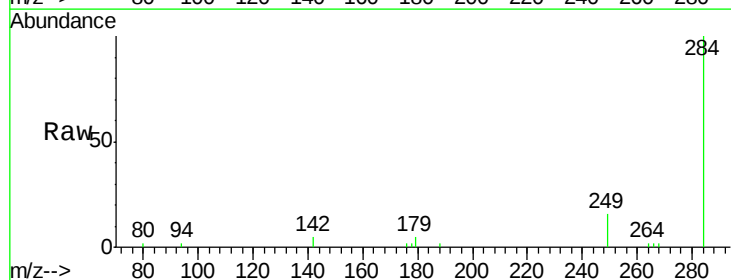
#13
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.99 min Scan# 1558
Delta R.T. 0.00 min
Lab File: BM001065.D
Acq: 18 Apr 2015 18:11

Tot Ion:188 Resp: 78120
Ion Ratio Lower Upper
188 100
94 5.4 3.6 5.4#
80 4.8 3.0 4.6#



#14
Hexachlorobenzene
Concen: 0.99 ng
RT: 16.31 min Scan# 1525
Delta R.T. 0.00 min
Lab File: BM001065.D
Acq: 18 Apr 2015 18:11

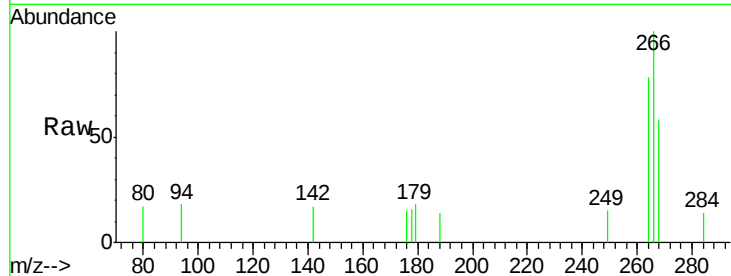
Tgt Ion:284 Resp: 4262
Ion Ratio Lower Upper
284 100
142 0.0 0.0 0.0
249 0.0 0.0 0.0



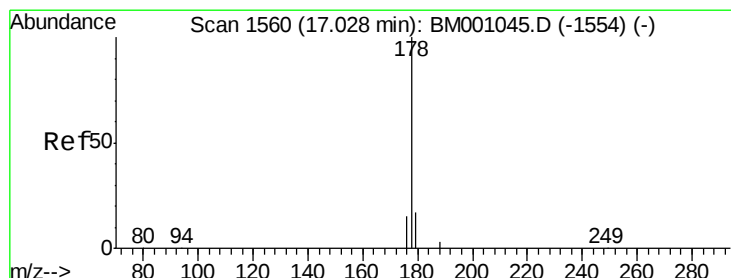
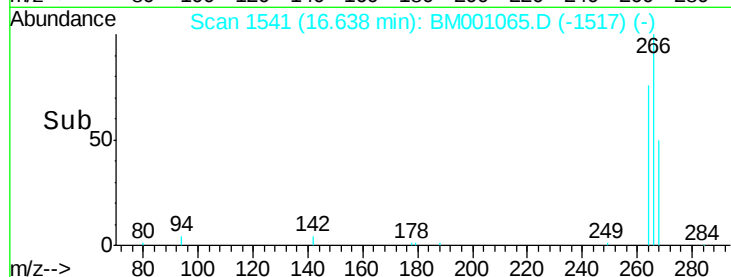
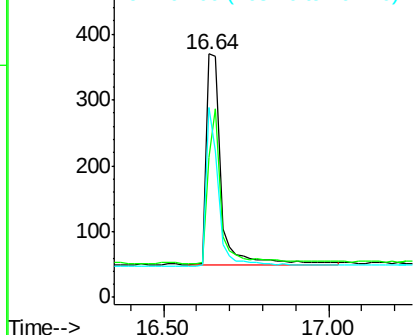


#15
 Pentachlorophenol
 Concen: 0.91 ng
 RT: 16.64 min Scan# 1541
 Delta R.T. 0.00 min
 Lab File: BM001065.D
 Acq: 18 Apr 2015 18:11

Tot Ion	Ratio	Lower	Upper
266	100		
268	57.6	46.3	69.5
264	78.1	59.8	89.6

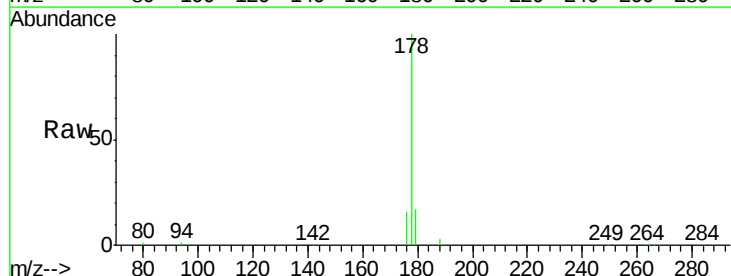


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

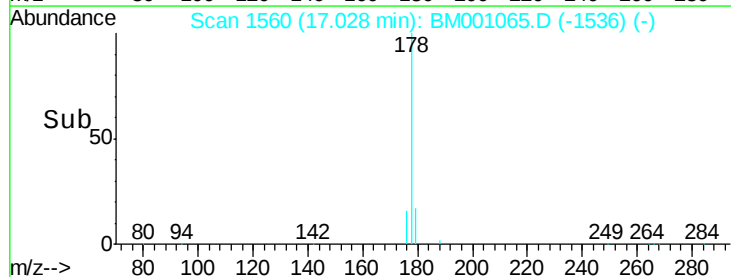
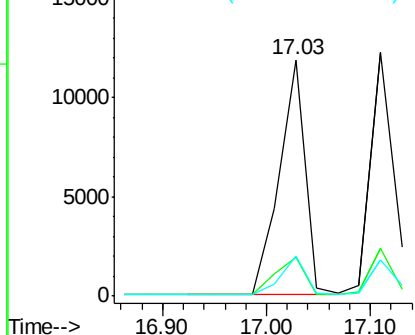


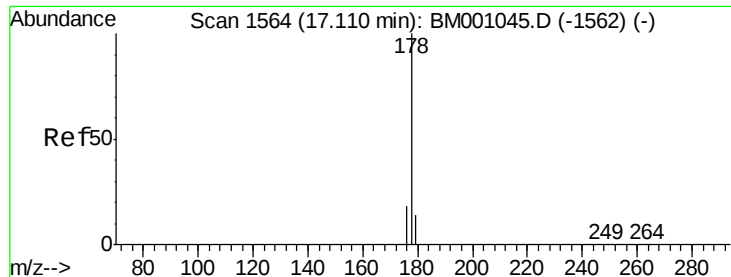
#16
 Phenanthrene
 Concen: 0.99 ng
 RT: 17.03 min Scan# 1560
 Delta R.T. 0.00 min
 Lab File: BM001065.D
 Acq: 18 Apr 2015 18:11

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.6	22.0
179	15.7	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: 1.02 ng

RT: 17.11 min Scan# 1564

Delta R.T. 0.00 min

Lab File: BM001065.D

Acq: 18 Apr 2015 18:11

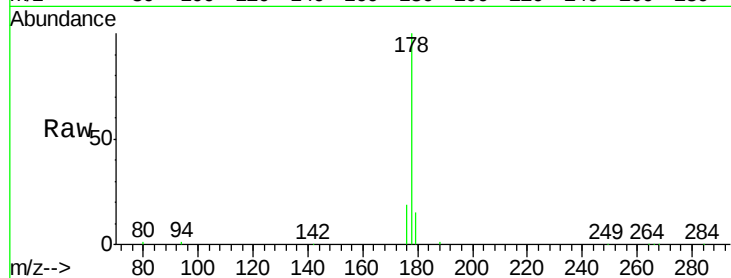
Tot Ion:178 Resp: 19448

Ion Ratio Lower Upper

178 100

176 18.2 14.3 21.5

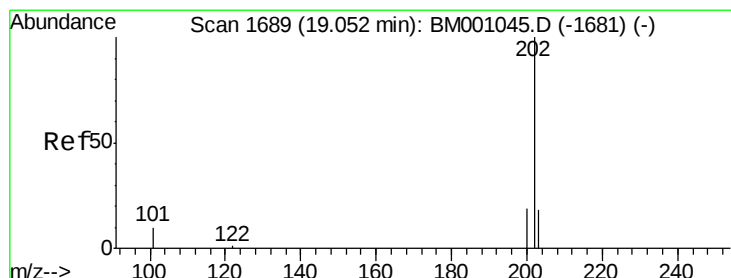
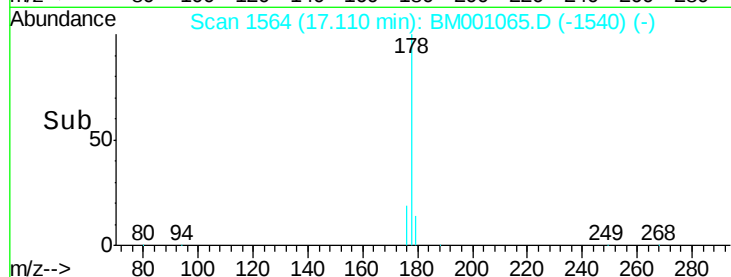
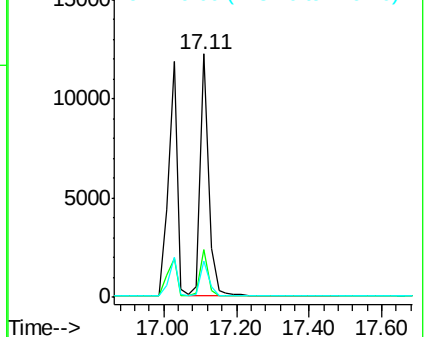
179 15.1 11.8 17.8



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



#18

Fluoranthene

Concen: 1.04 ng

RT: 19.05 min Scan# 1689

Delta R.T. 0.00 min

Lab File: BM001065.D

Acq: 18 Apr 2015 18:11

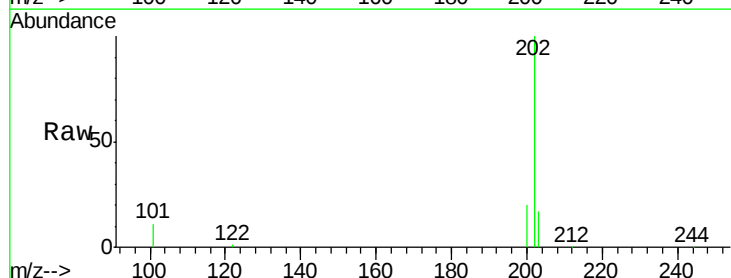
Tgt Ion:202 Resp: 22464

Ion Ratio Lower Upper

202 100

101 13.0 10.1 15.1

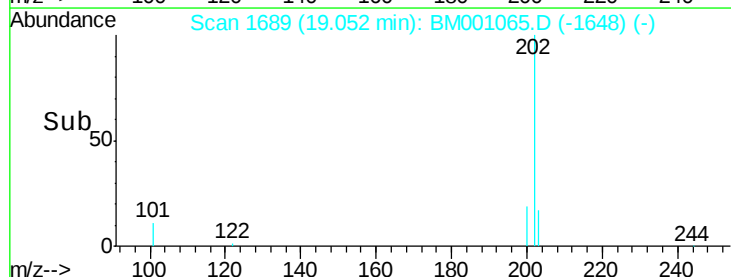
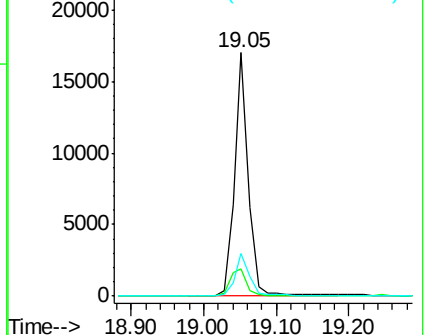
203 17.2 13.8 20.8

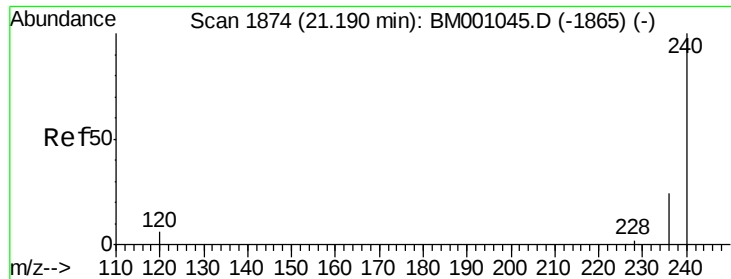


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

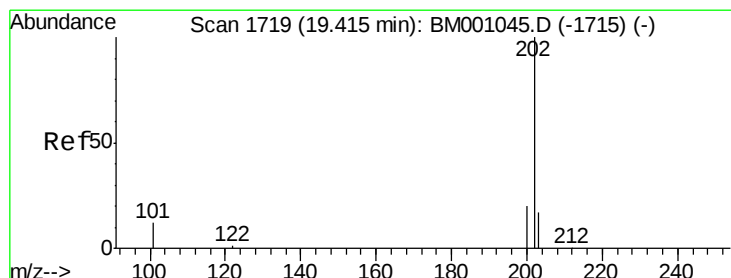
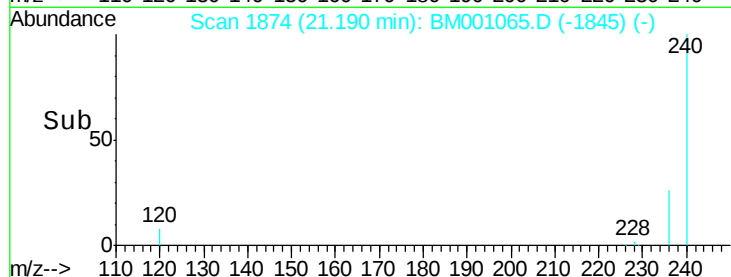
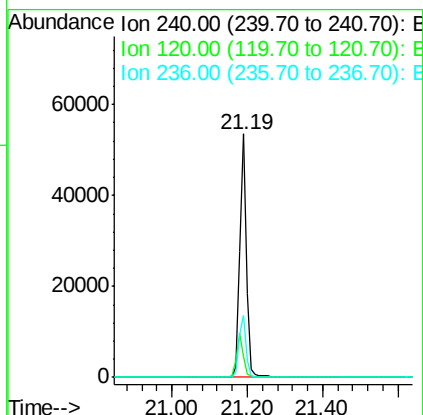
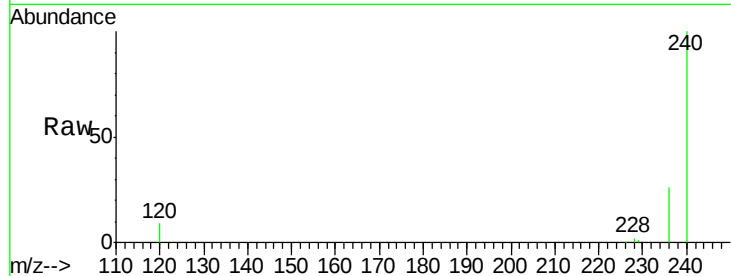
Ion 203.00 (202.70 to 203.70): E





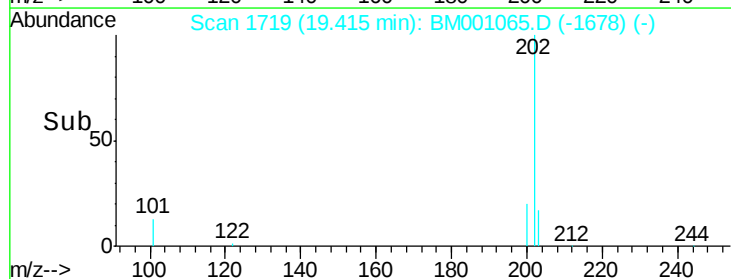
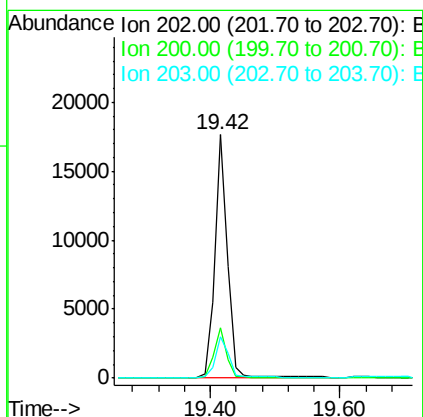
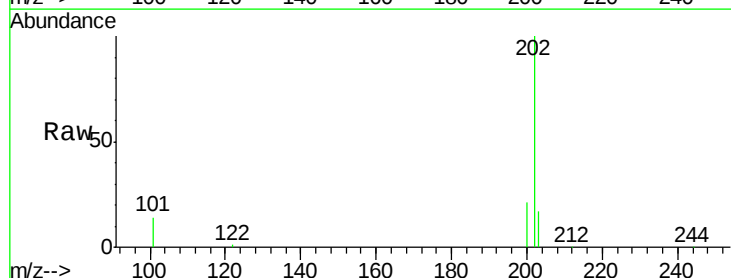
#19
Chrysene-d12
Concen: 5.00 ng
RT: 21.19 min Scan# 1874
Delta R.T. 0.00 min
Lab File: BM001065.D
Acq: 18 Apr 2015 18:11

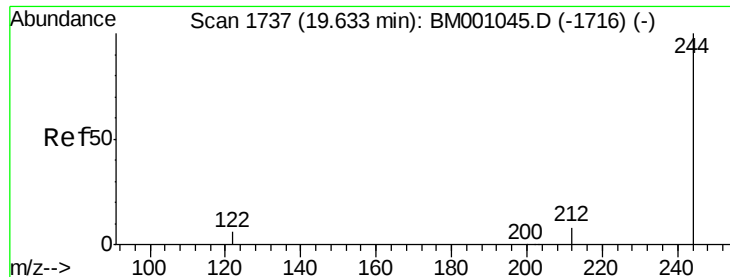
Tot Ion:240 Resp: 66593
Ion Ratio Lower Upper
240 100
120 8.6 4.6 6.8#
236 25.7 19.1 28.7



#20
Pyrene
Concen: 1.07 ng
RT: 19.42 min Scan# 1719
Delta R.T. 0.00 min
Lab File: BM001065.D
Acq: 18 Apr 2015 18:11

Tgt Ion:202 Resp: 23589
Ion Ratio Lower Upper
202 100
200 20.2 16.3 24.5
203 17.5 13.8 20.6





#21

Terphenyl-d14

Concen: 1.03 ng

RT: 19.63 min Scan# 1737

Delta R.T. 0.00 min

Lab File: BM001065.D

Acq: 18 Apr 2015 18:11

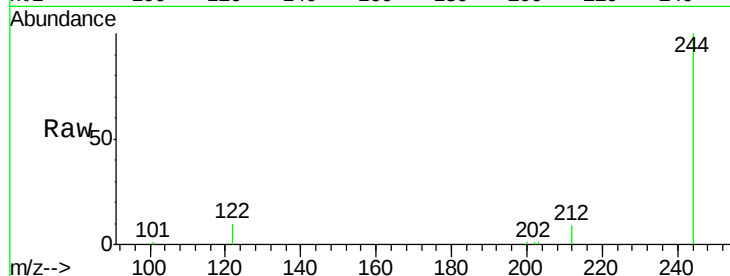
Tot Ion:244 Resp: 9070

Ion Ratio Lower Upper

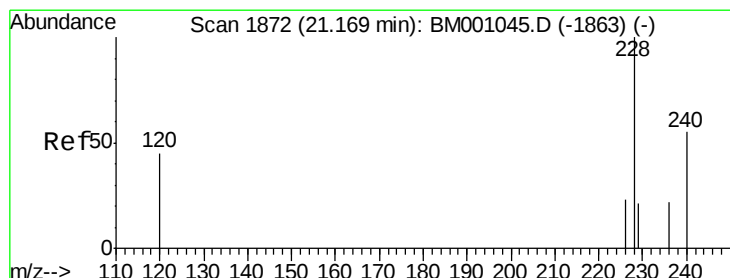
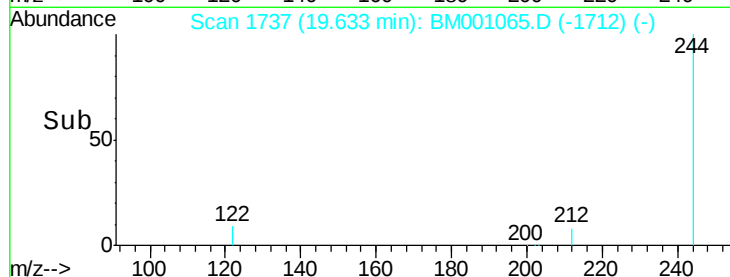
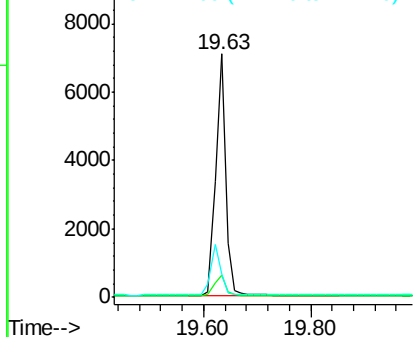
244 100

212 8.9 7.1 10.7

122 9.8 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: 1.11 ng

RT: 21.17 min Scan# 1872

Delta R.T. 0.00 min

Lab File: BM001065.D

Acq: 18 Apr 2015 18:11

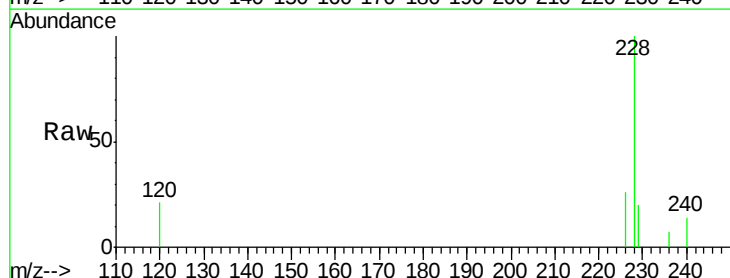
Tgt Ion:228 Resp: 21349

Ion Ratio Lower Upper

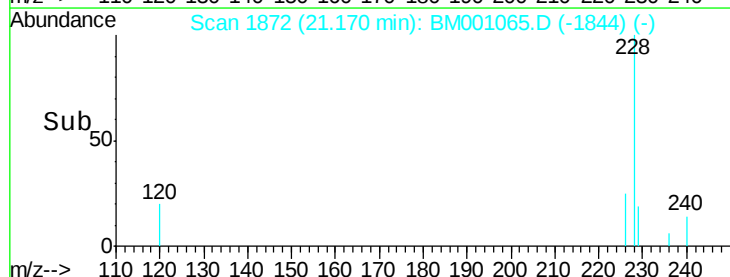
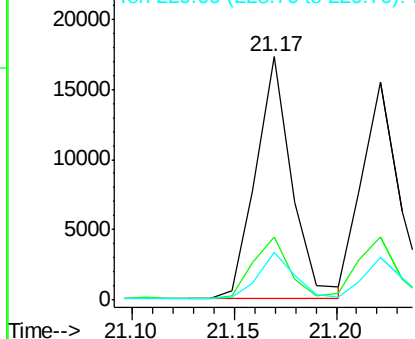
228 100

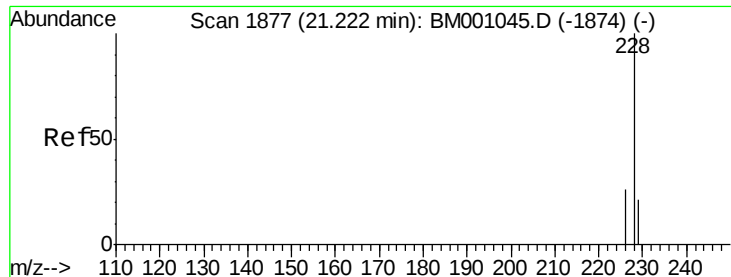
226 25.8 19.0 28.6

229 19.6 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: 0.94 ng

RT: 21.22 min Scan# 1877

Delta R.T. 0.00 min

Lab File: BM001065.D

Acq: 18 Apr 2015 18:11

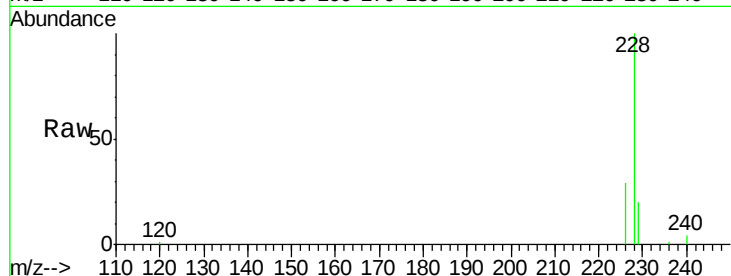
Tot Ion:228 Resp: 19077

Ion Ratio Lower Upper

228 100

226 28.6 20.6 31.0

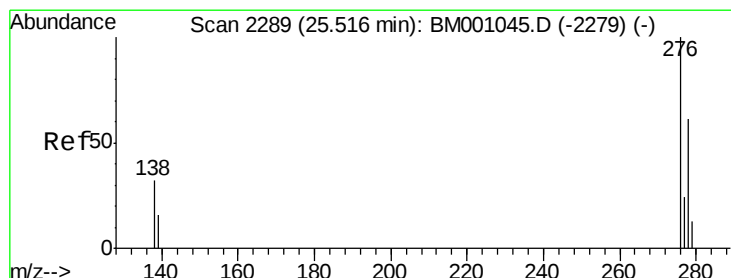
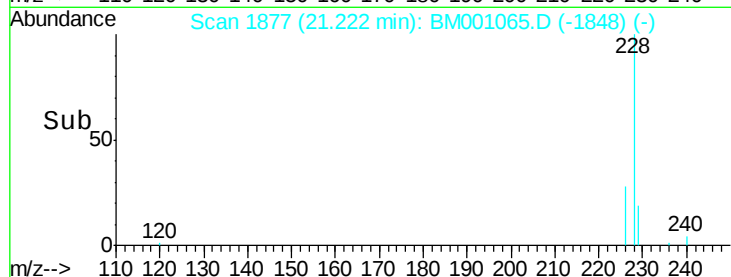
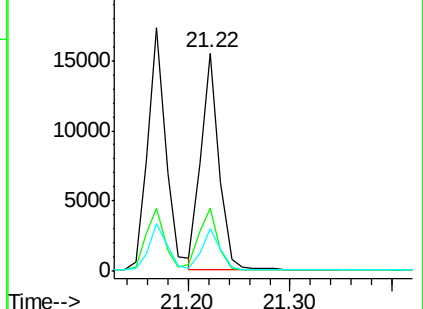
229 19.7 17.2 25.8



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: 1.06 ng

RT: 25.53 min Scan# 2290

Delta R.T. 0.01 min

Lab File: BM001065.D

Acq: 18 Apr 2015 18:11

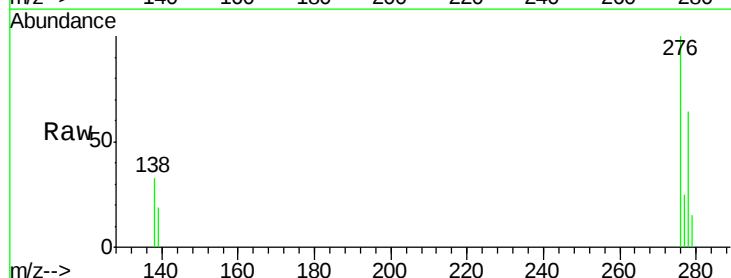
Tgt Ion:276 Resp: 21898

Ion Ratio Lower Upper

276 100

138 33.2 26.3 39.5

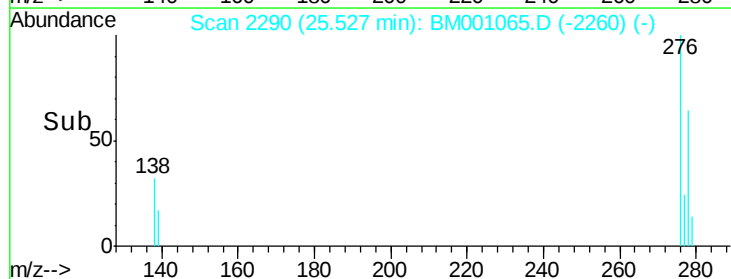
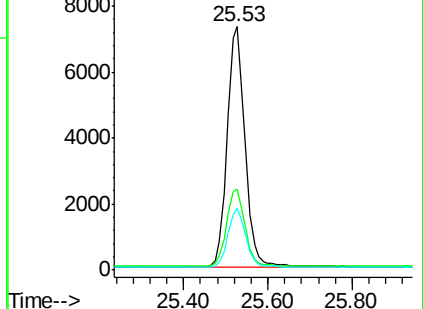
277 24.3 19.5 29.3

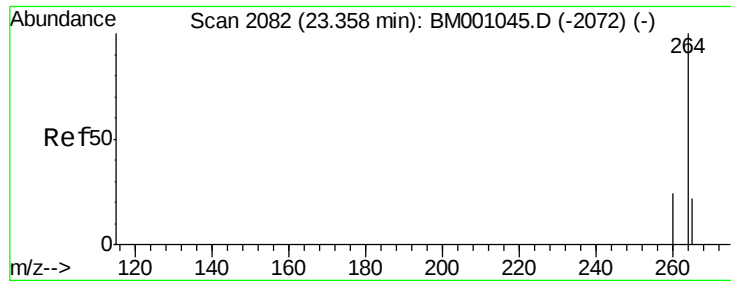


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

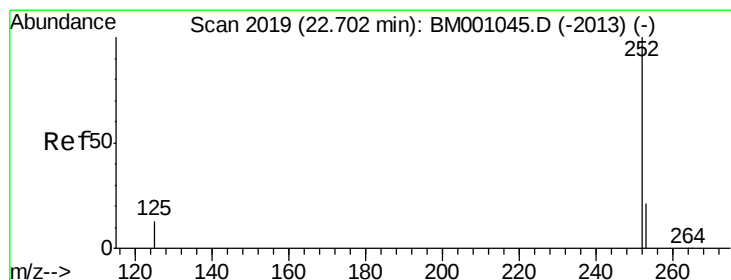
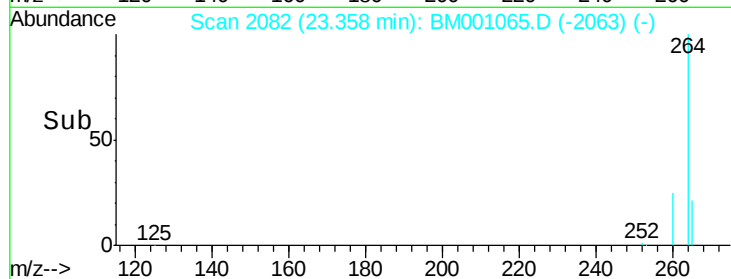
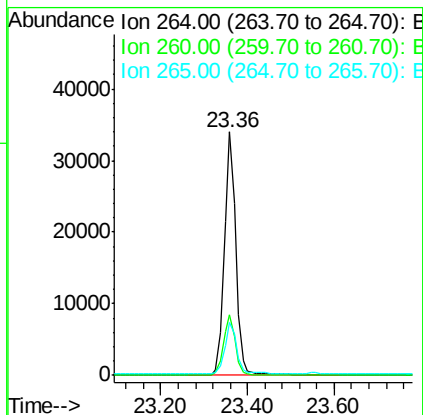
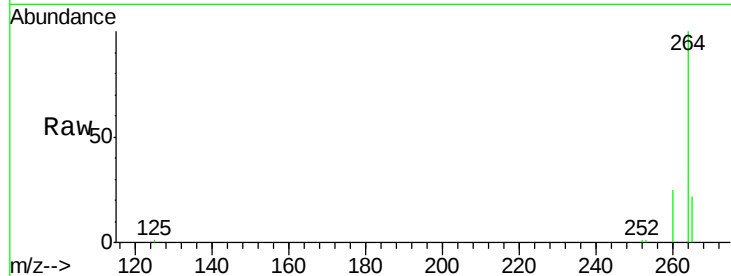
Ion 277.00 (276.70 to 277.70): E





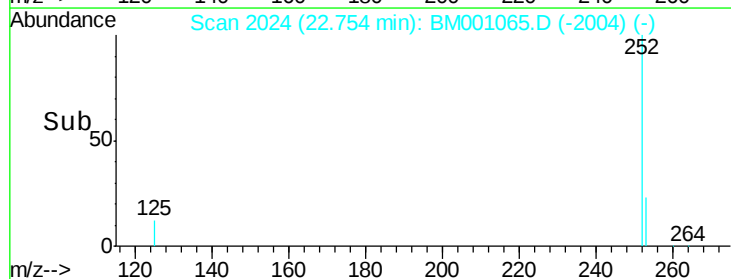
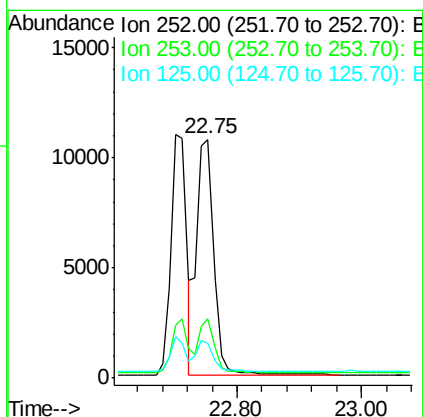
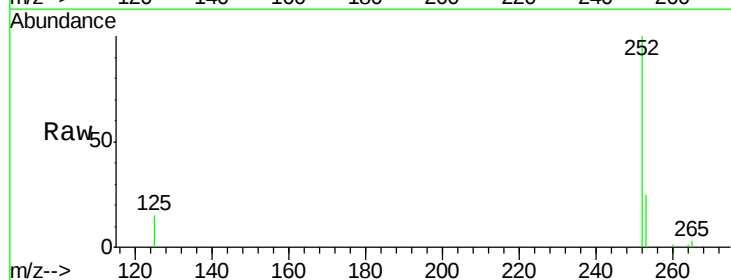
#25
Pervlene-d12
Concen: 5.00 ng
RT: 23.36 min Scan# 2082
Delta R.T. 0.00 min
Lab File: BM001065.D
Acq: 18 Apr 2015 18:11

Tot Ion:264 Resp: 61635
Ion Ratio Lower Upper
264 100
260 25.0 19.0 28.6
265 21.5 17.9 26.9



#26
Benzo(b)fluoranthene
Concen: 1.01 ng
RT: 22.75 min Scan# 2024
Delta R.T. 0.05 min
Lab File: BM001065.D
Acq: 18 Apr 2015 18:11

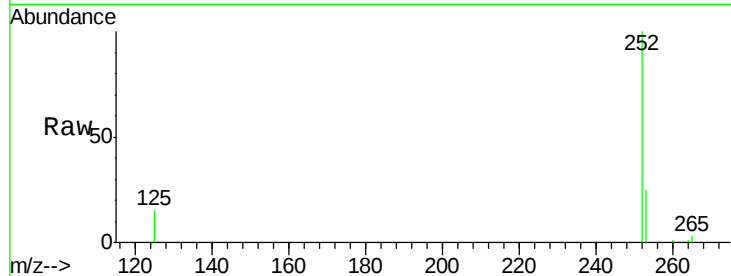
Tgt Ion:252 Resp: 19953
Ion Ratio Lower Upper
252 100
253 24.8 18.2 27.2
125 14.6 10.9 16.3



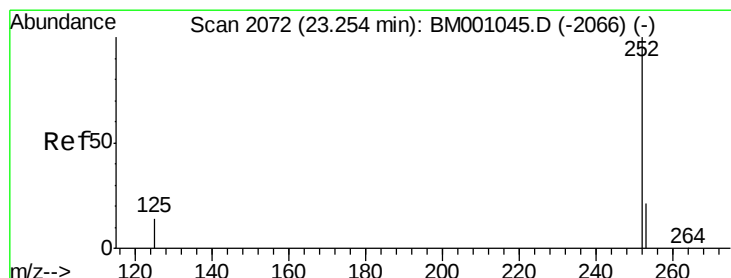
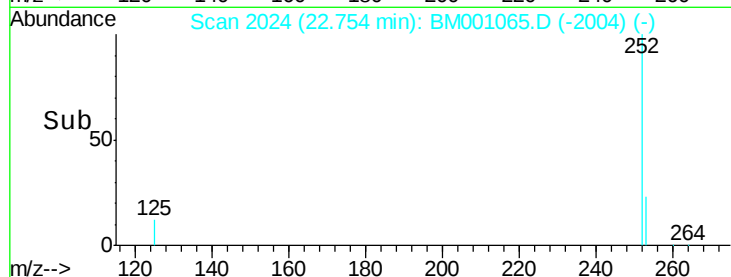
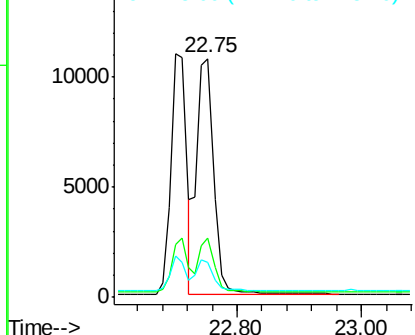


#27
Benzo(k)fluoranthene
Concen: 1.05 ng
RT: 22.75 min Scan# 2024
Delta R.T. 0.01 min
Lab File: BM001065.D
Acq: 18 Apr 2015 18:11

Tot Ion:252 Resp: 19953
Ion Ratio Lower Upper
252 100
253 24.8 18.3 27.5
125 14.6 10.6 15.8

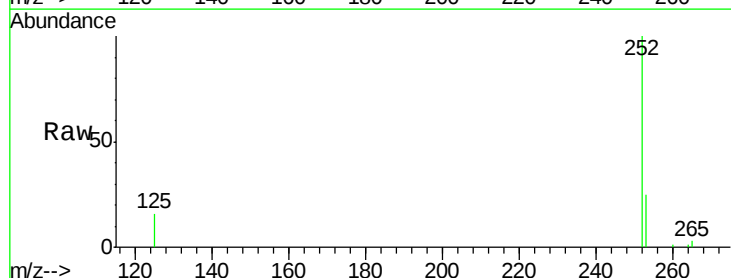


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

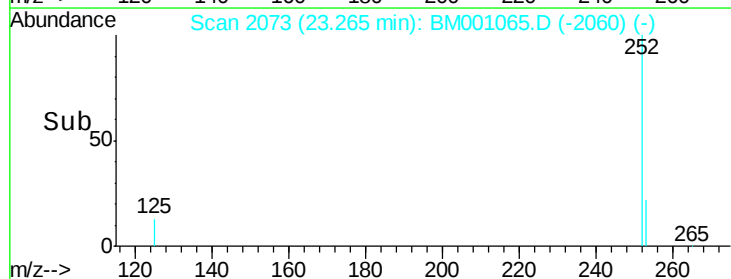
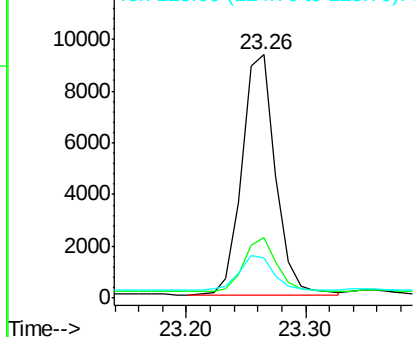


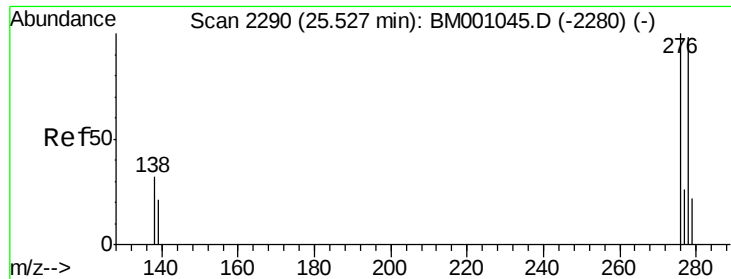
#28
Benzo(a)pyrene
Concen: 1.07 ng
RT: 23.26 min Scan# 2073
Delta R.T. 0.01 min
Lab File: BM001065.D
Acq: 18 Apr 2015 18:11

Tgt Ion:252 Resp: 18048
Ion Ratio Lower Upper
252 100
253 24.9 18.6 27.8
125 16.2 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

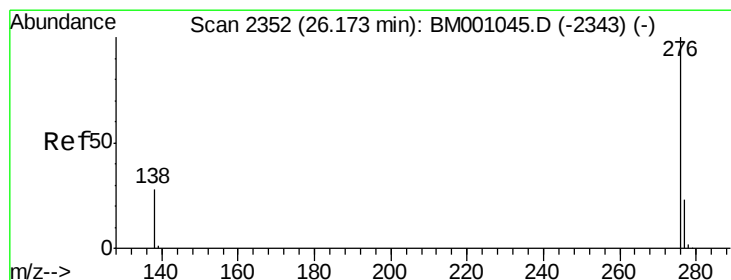
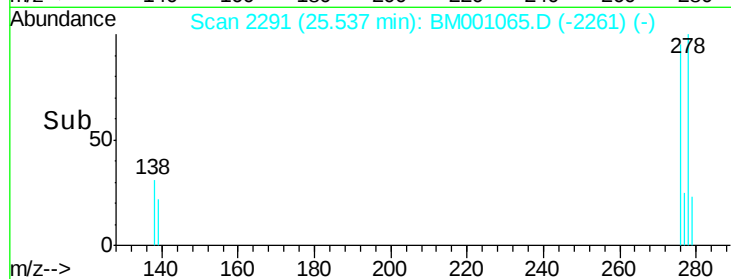
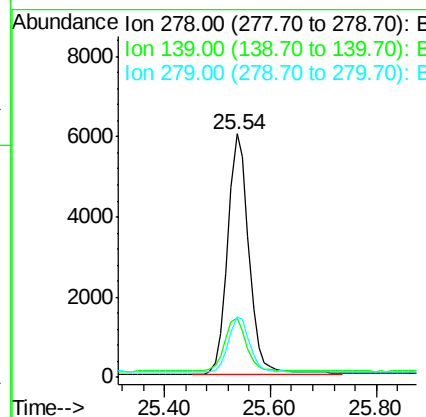
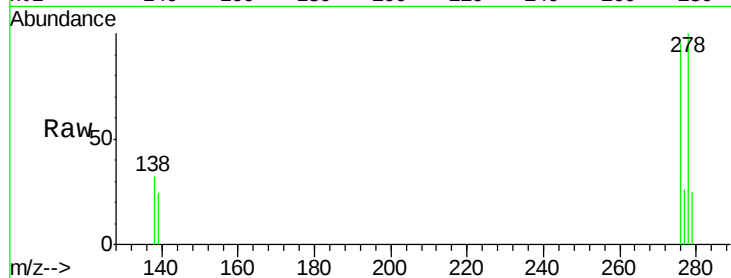




#29
Dibenzo(a,h)anthracene
Concen: 1.01 ng
RT: 25.54 min Scan# 2291
Delta R.T. 0.01 min
Lab File: BM001065.D
Acq: 18 Apr 2015 18:11

Tot Ion:278 Resp: 16946

Ion	Ratio	Lower	Upper
278	100		
139	24.1	18.2	27.2
279	24.8	19.1	28.7



#30
Benzo(g,h,i)perylene
Concen: 0.99 ng
RT: 26.18 min Scan# 2353
Delta R.T. 0.01 min
Lab File: BM001065.D
Acq: 18 Apr 2015 18:11

Tgt Ion:276 Resp: 18007

Ion	Ratio	Lower	Upper
276	100		
277	24.2	19.0	28.4
138	30.8	23.4	35.2

