

Data Path : Z:\HPCHEM1\BNA M\DATA\BM041815\
 Data File : BM001057.D
 Acq On : 18 Apr 2015 13:24
 Operator : TP/IZ
 Sample : SSTDCCC001
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Apr 20 08:17:15 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	15527	5.00	ng	0.00
4) Naphthalene-d8	10.36	136	55714	5.00	ng	0.00
8) Acenaphthene-d10	14.24	164	30057	5.00	ng	0.00
13) Phenanthrene-d10	16.99	188	67323	5.00	ng	0.00
19) Chrysene-d12	21.19	240	57954	5.00	ng	0.00
25) Perylene-d12	23.36	264	52016	5.00	ng	0.00

System Monitoring Compounds

5) Nitrobenzene-d5	8.74	82	2900	1.00	ng	0.00
9) 2-Fluorobiphenyl	12.86	172	9694	0.98	ng	0.00
21) Terphenyl-d14	19.63	244	7732	1.01	ng	0.00

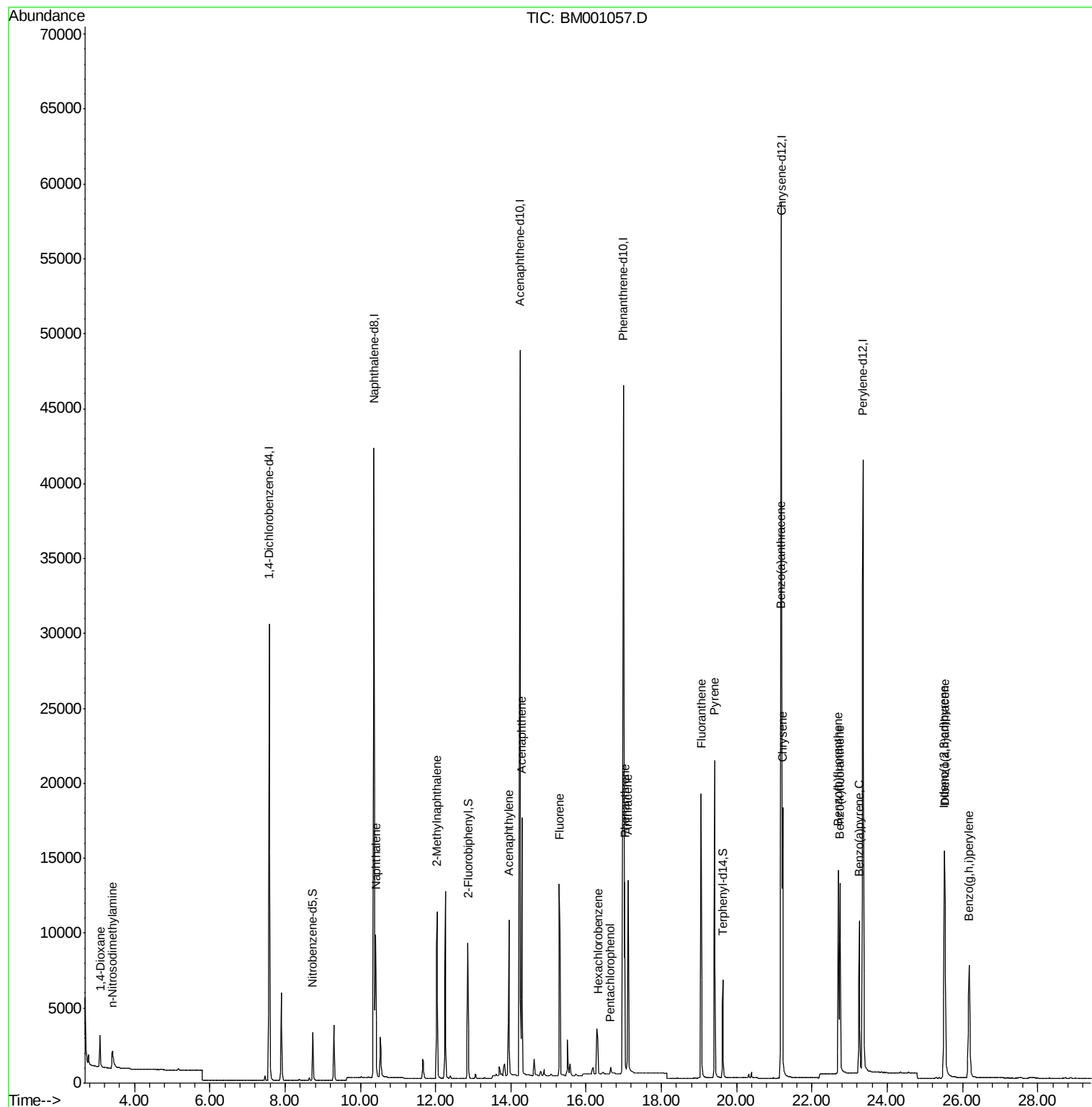
Target Compounds

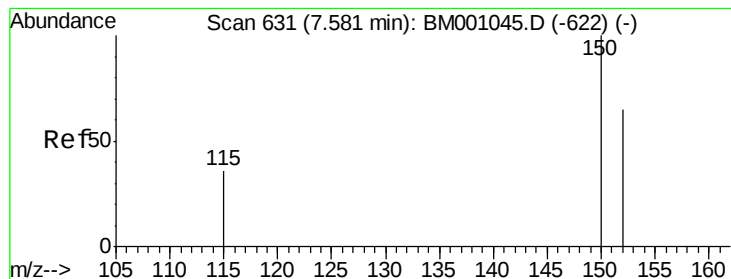
						Ovalue
2) 1,4-Dioxane	3.08	88	2420	1.38	ng	# 100
3) n-Nitrosodimethylamine	3.41	42	1579	0.96	ng	# 99
6) Naphthalene	10.41	128	13163	0.99	ng	100
7) 2-Methylnaphthalene	12.04	142	8624	1.01	ng	100
10) Acenaphthylene	13.95	152	13087	0.99	ng	99
11) Acenaphthene	14.29	154	8850	0.95	ng	98
12) Fluorene	15.29	166	10871	1.02	ng	100
14) Hexachlorobenzene	16.31	284	3644	0.98	ng	# 100
15) Pentachlorophenol	16.64	266	603	0.72	ng	94
16) Phenanthrene	17.03	178	17257	0.97	ng	100
17) Anthracene	17.11	178	16037	0.98	ng	100
18) Fluoranthene	19.05	202	18194	0.98	ng	100
20) Pyrene	19.42	202	19067	0.99	ng	100
22) Benzo(a)anthracene	21.17	228	15995	0.95	ng	99
23) Chrysene	21.22	228	17623	1.00	ng	100
24) Indeno(1,2,3-cd)pyrene	25.52	276	17787	0.99	ng	100
26) Benzo(b)fluoranthene	22.70	252	16278	0.97	ng	99
27) Benzo(k)fluoranthene	22.74	252	15970	1.00	ng	99
28) Benzo(a)pyrene	23.25	252	14073	0.98	ng	100
29) Dibenzo(a,h)anthracene	25.53	278	14113	1.00	ng	100
30) Benzo(g,h,i)perylene	26.17	276	15077	0.98	ng	100

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

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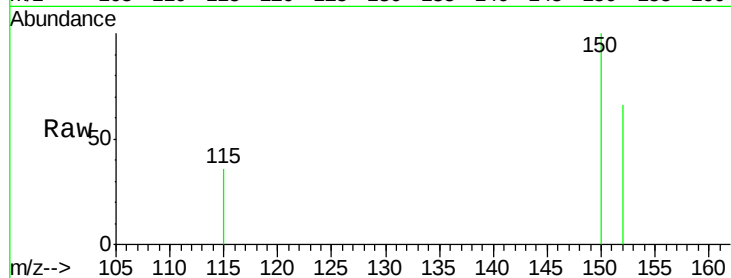




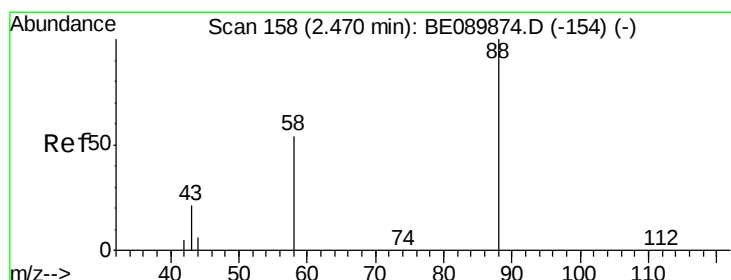
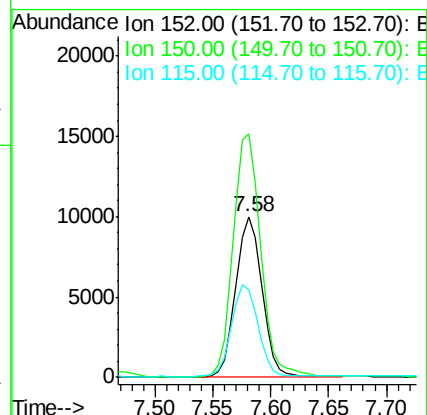
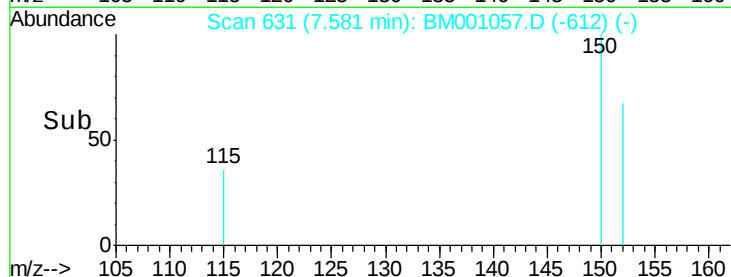
#1

1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.58 min Scan# 631
Delta R.T. 0.00 min
Lab File: BM001057.D
Acq: 18 Apr 2015 13:24

Tot Ion:152 Resp: 15527
Ion Ratio Lower Upper
152 100
150 151.3 123.3 184.9
115 54.7 45.0 67.6



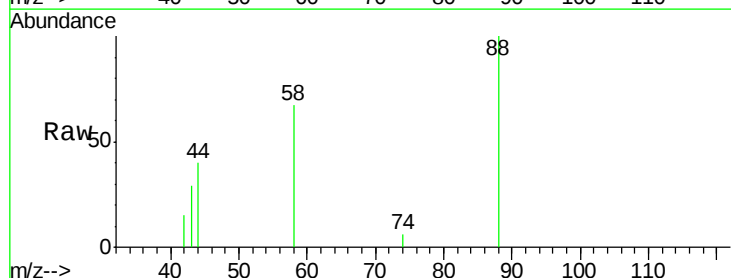
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



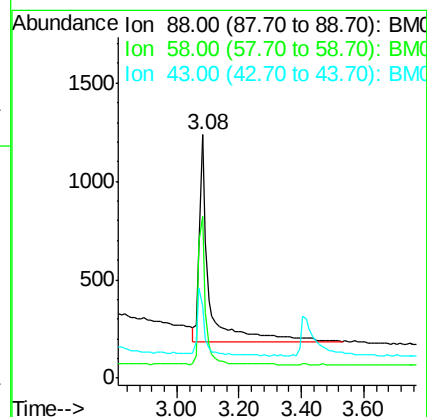
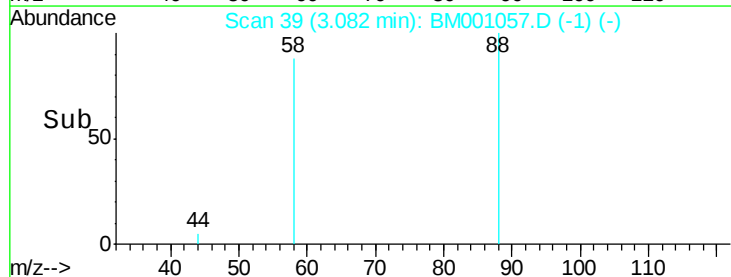
#2

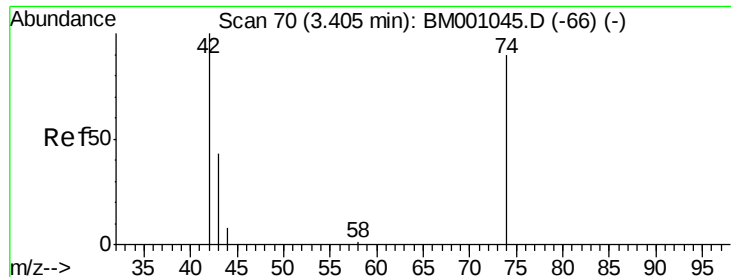
1,4-Dioxane
Concen: 1.38 ng
RT: 3.08 min Scan# 39
Delta R.T. 0.00 min
Lab File: BM001057.D
Acq: 18 Apr 2015 13:24

Tgt Ion: 88 Resp: 2420
Ion Ratio Lower Upper
88 100
58 50.6 0.0 0.0#
43 20.6 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

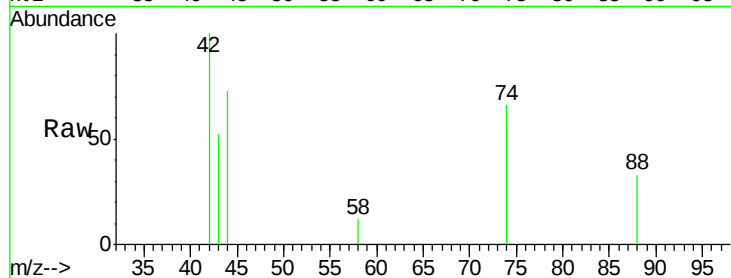




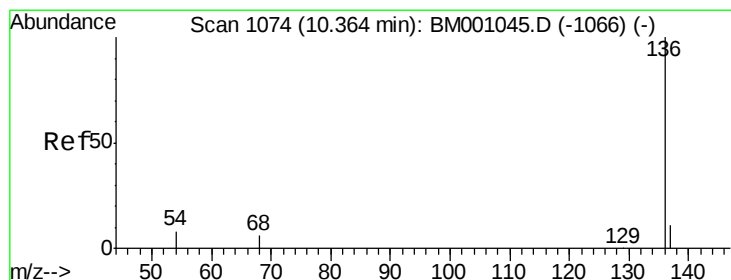
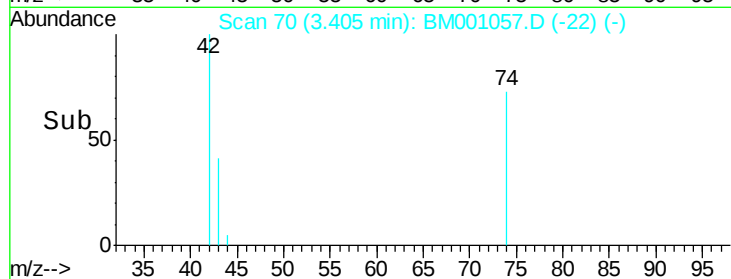
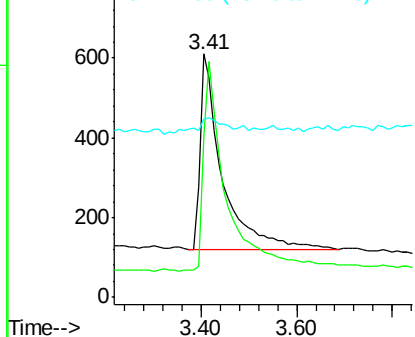
#3

n-Nitrosodimethylamine
 Concen: 0.96 ng
 RT: 3.41 min Scan# 70
 Delta R.T. 0.00 min
 Lab File: BM001057.D
 Acq: 18 Apr 2015 13:24

Tot Ion: 42 Resp: 1579
 Ion Ratio Lower Upper
 42 100
 74 115.3 92.1 138.1
 44 10.7 5.8 8.6#



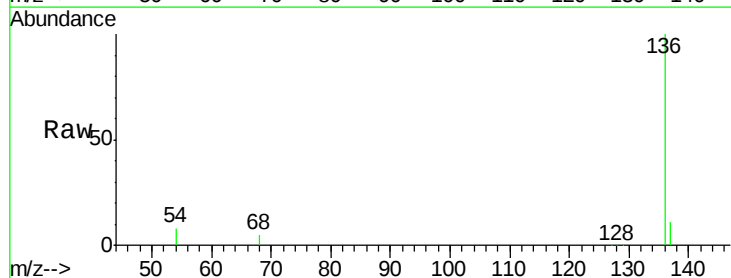
Abundance Ion 42.00 (41.70 to 42.70): BM0
 Ion 74.00 (73.70 to 74.70): BM0
 Ion 44.00 (43.70 to 44.70): BM0



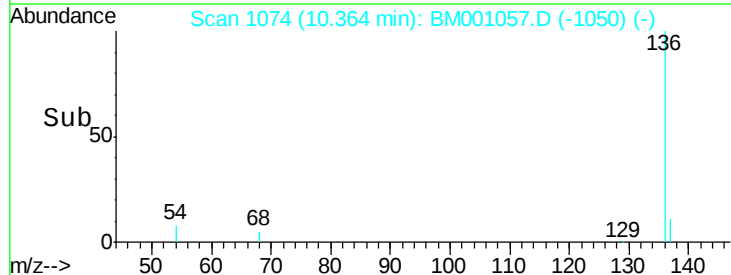
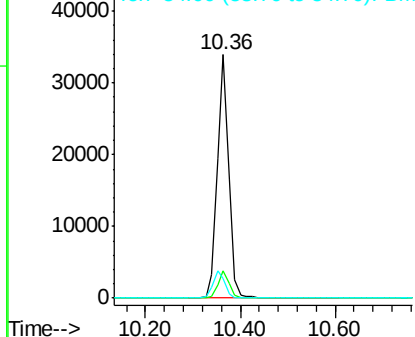
#4

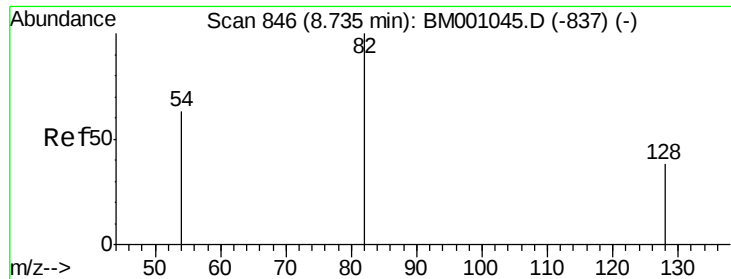
Naphthalene-d8
 Concen: 5.00 ng
 RT: 10.36 min Scan# 1074
 Delta R.T. 0.00 min
 Lab File: BM001057.D
 Acq: 18 Apr 2015 13:24

Tgt Ion: 136 Resp: 55714
 Ion Ratio Lower Upper
 136 100
 137 11.0 8.6 13.0
 54 7.8 6.5 9.7



Abundance Ion 136.00 (135.70 to 136.70): E
 Ion 137.00 (136.70 to 137.70): E
 Ion 54.00 (53.70 to 54.70): BM0





#5

Nitrobenzene-d5

Concen: 1.00 ng

RT: 8.74 min Scan# 846

Delta R.T. 0.00 min

Lab File: BM001057.D

Acq: 18 Apr 2015 13:24

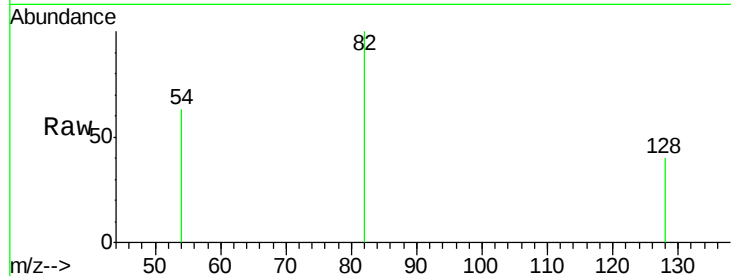
Tot Ion: 82 Resp: 2900

Ion Ratio Lower Upper

82 100

128 40.4 31.9 47.9

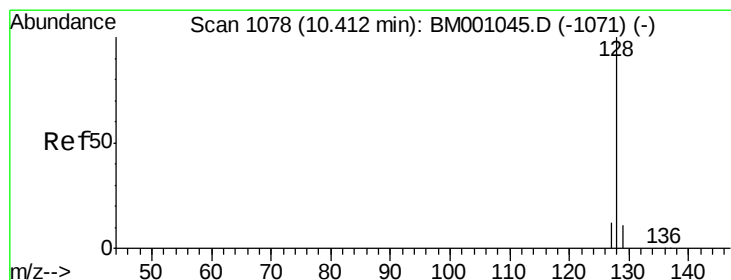
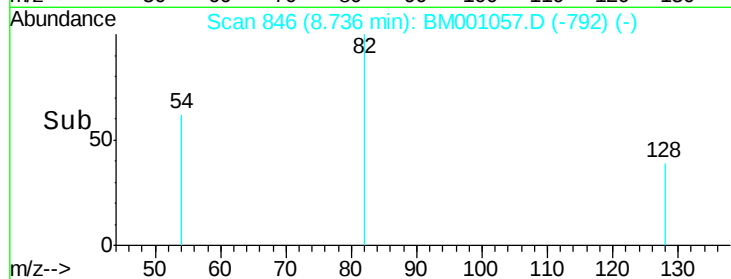
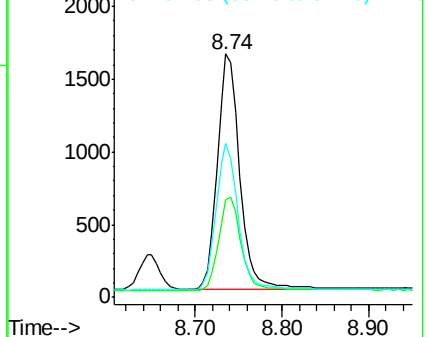
54 63.4 51.3 76.9



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) (-)



#6

Naphthalene

Concen: 0.99 ng

RT: 10.41 min Scan# 1078

Delta R.T. 0.00 min

Lab File: BM001057.D

Acq: 18 Apr 2015 13:24

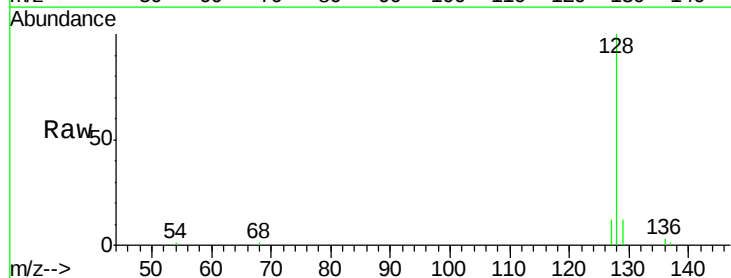
Tgt Ion: 128 Resp: 13163

Ion Ratio Lower Upper

128 100

129 11.7 9.3 13.9

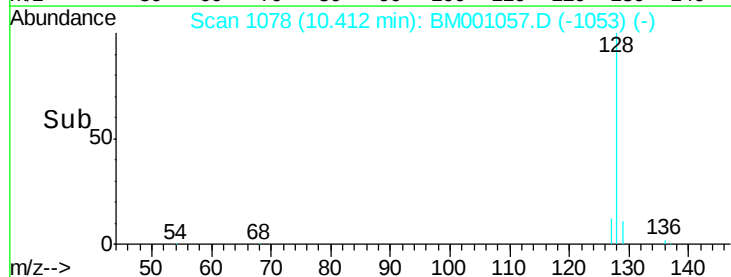
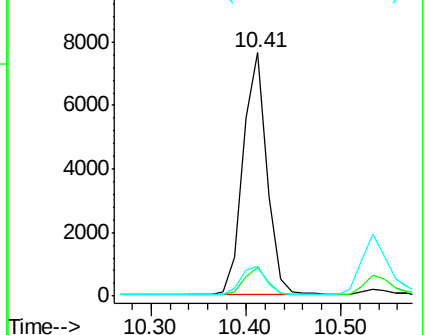
127 12.4 10.0 15.0



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) (-)





#7

2-Methylnaphthalene

Concen: 1.01 ng

RT: 12.04 min Scan# 1224

Delta R.T. 0.00 min

Lab File: BM001057.D

Acq: 18 Apr 2015 13:24

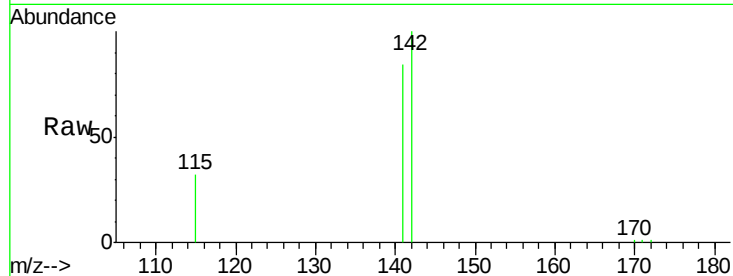
Tot Ion:142 Resp: 8624

Ion Ratio Lower Upper

142 100

141 83.8 66.7 100.1

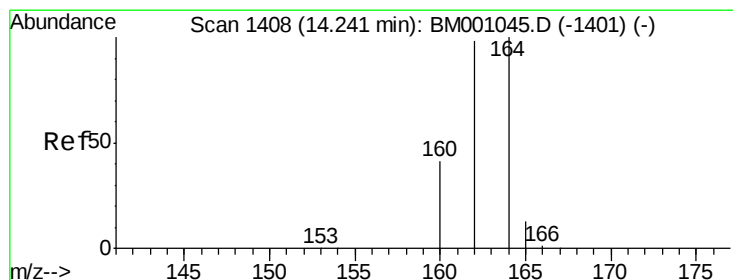
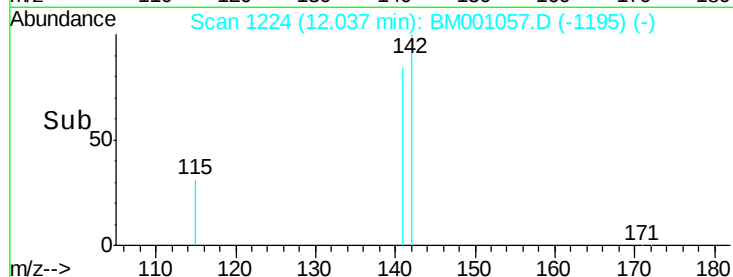
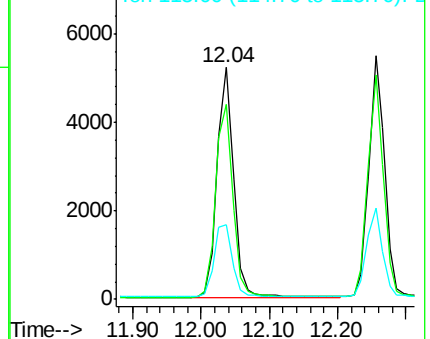
115 32.0 25.5 38.3



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: BM001057.D

Acq: 18 Apr 2015 13:24

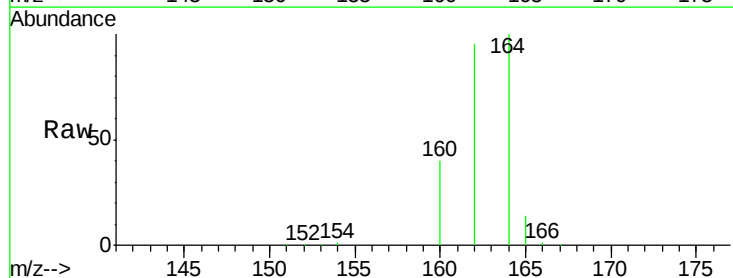
Tgt Ion:164 Resp: 30057

Ion Ratio Lower Upper

164 100

162 95.5 78.5 117.7

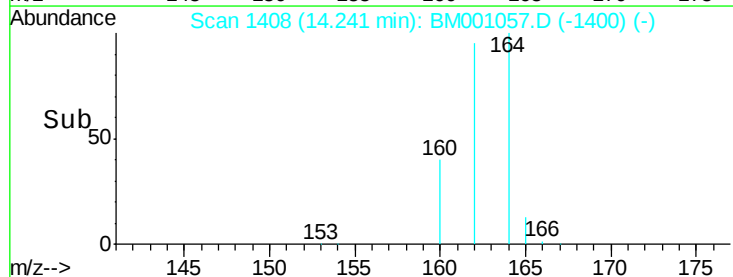
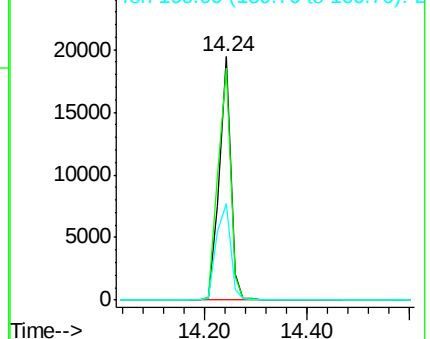
160 39.7 32.9 49.3



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

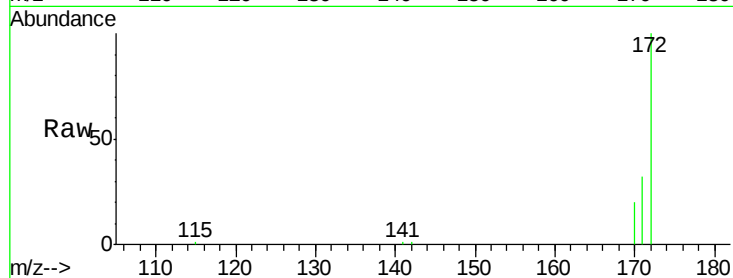
Delta R.T. 0.00 min

Lab File: BM001057.D

Acq: 18 Apr 2015 13:24

Tot Ion:172 Resp: 9694

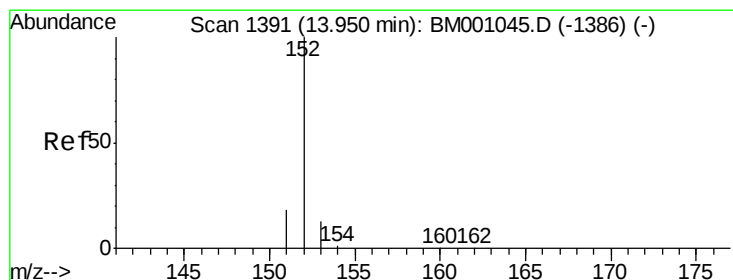
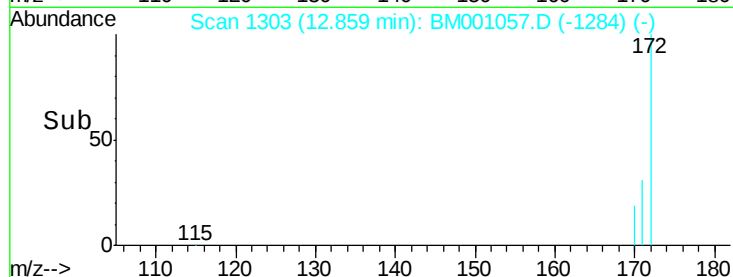
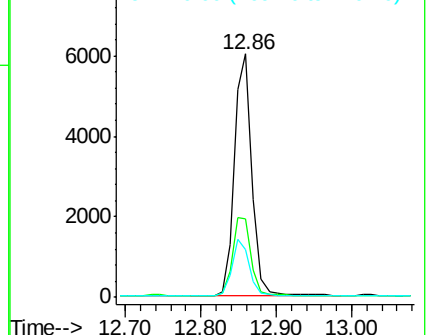
Ion	Ratio	Lower	Upper
172	100		
171	32.2	25.6	38.4
170	19.7	15.8	23.6



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: 0.99 ng

RT: 13.95 min Scan# 1391

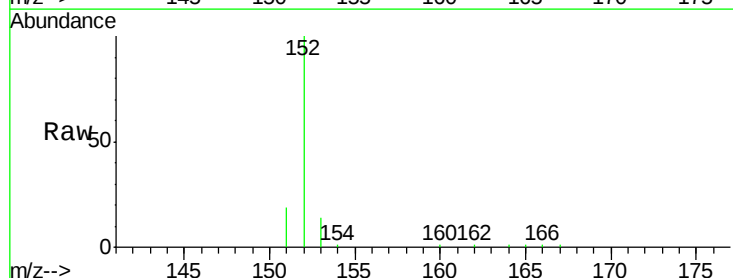
Delta R.T. 0.00 min

Lab File: BM001057.D

Acq: 18 Apr 2015 13:24

Tgt Ion:152 Resp: 13087

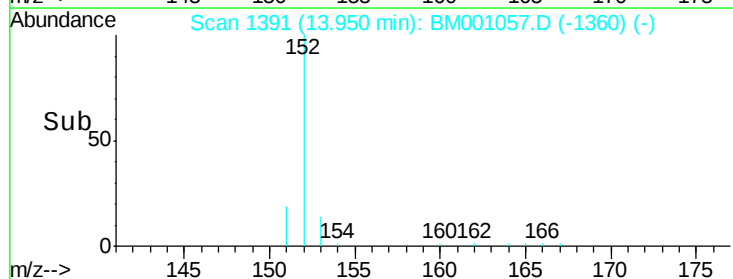
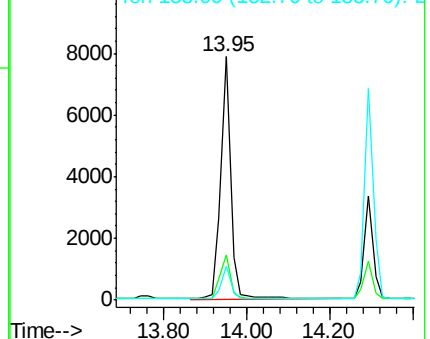
Ion	Ratio	Lower	Upper
152	100		
151	18.9	14.7	22.1
153	12.5	10.2	15.2

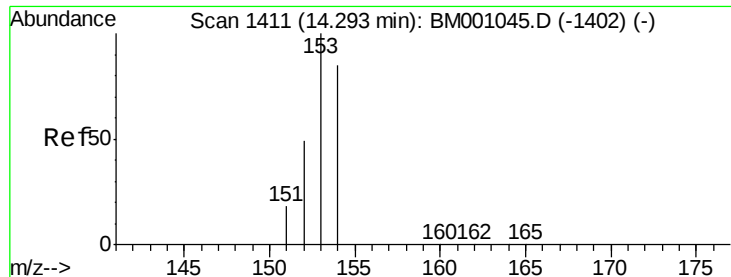


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#11

Acenaphthene

Concen: 0.95 ng

RT: 14.29 min Scan# 1411

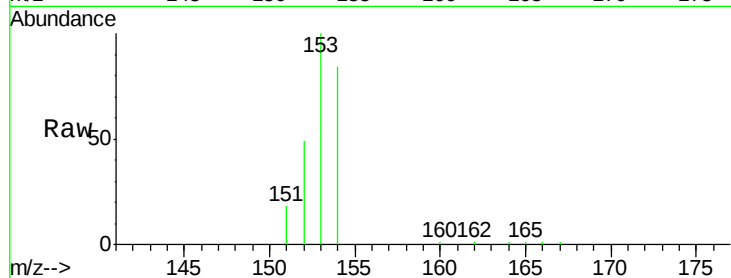
Delta R.T. 0.00 min

Lab File: BM001057.D

Acq: 18 Apr 2015 13:24

Tot Ion:154 Resp: 8850

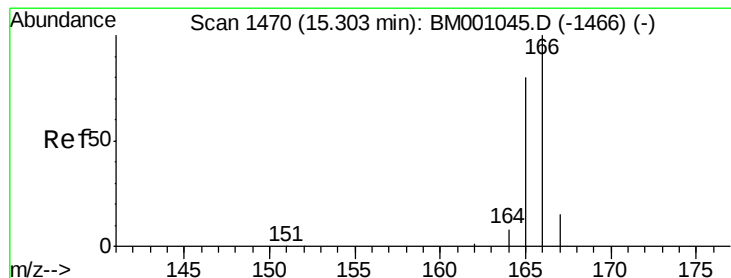
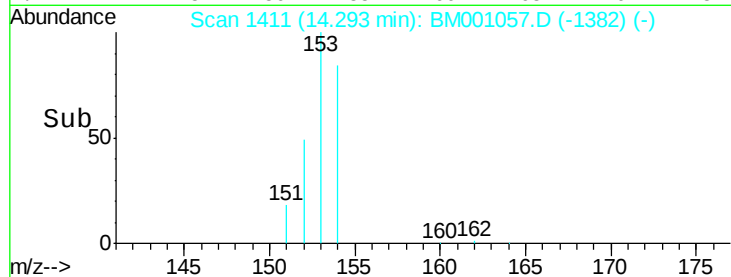
Ion	Ratio	Lower	Upper
154	100		
153	112.7	88.1	132.1
152	54.3	42.3	63.5



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: 1.02 ng

RT: 15.29 min Scan# 1469

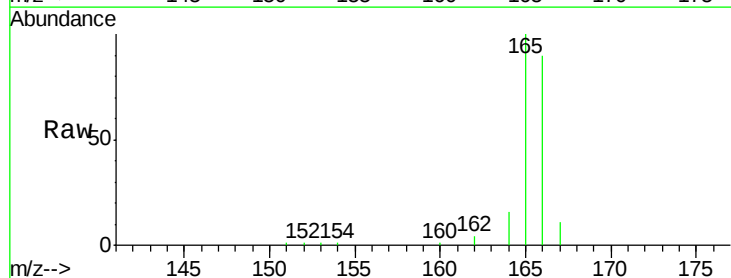
Delta R.T. -0.02 min

Lab File: BM001057.D

Acq: 18 Apr 2015 13:24

Tgt Ion:166 Resp: 10871

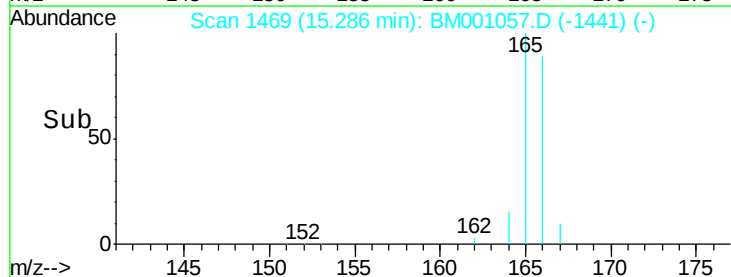
Ion	Ratio	Lower	Upper
166	100		
165	97.1	77.6	116.4
167	13.3	10.6	16.0

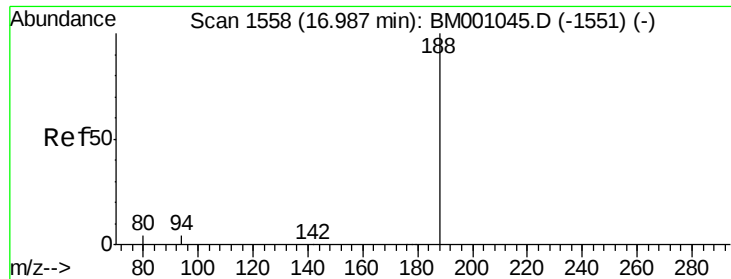


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

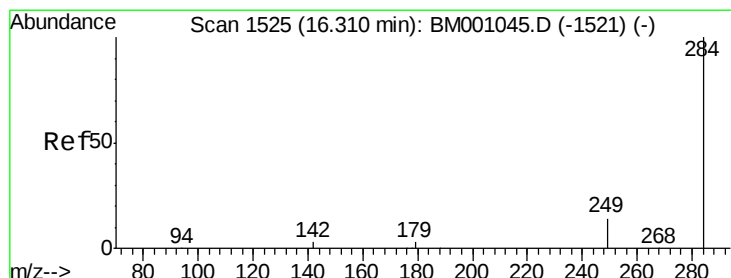
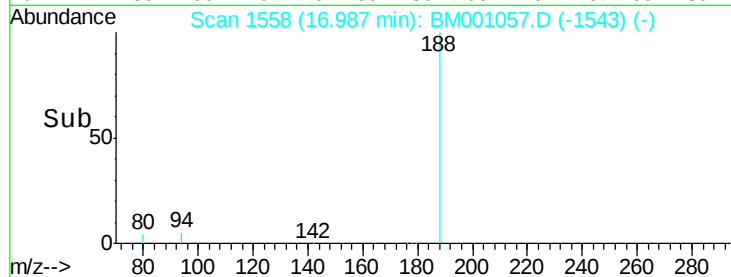
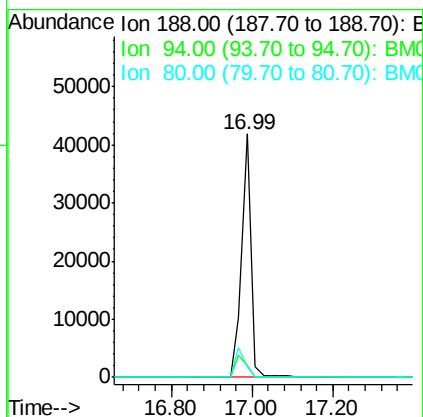
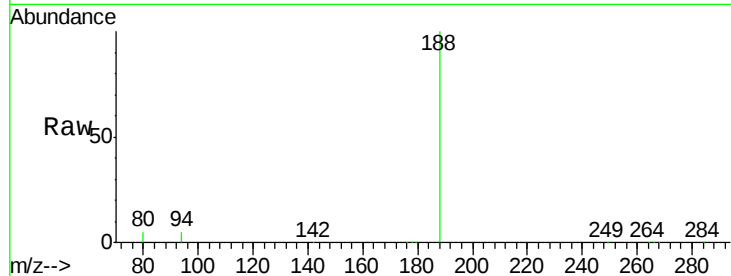
Ion 167.00 (166.70 to 167.70): E





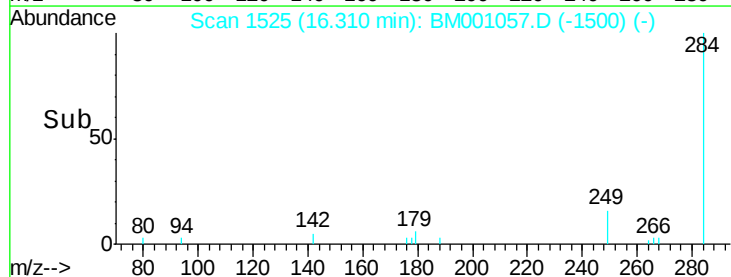
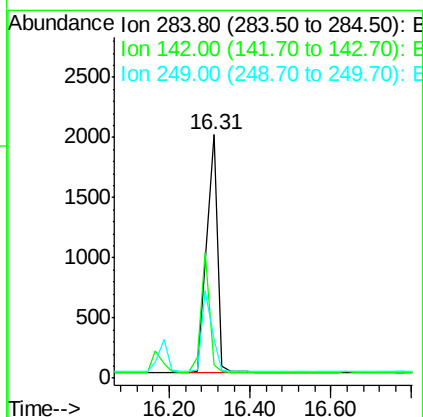
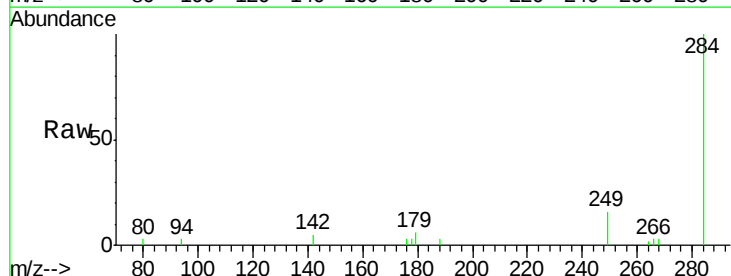
#13
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.99 min Scan# 1558
Delta R.T. 0.00 min
Lab File: BM001057.D
Acq: 18 Apr 2015 13:24

Tot Ion:188 Resp: 67323
Ion Ratio Lower Upper
188 100
94 5.1 3.6 5.4
80 4.6 3.0 4.6#



#14
Hexachlorobenzene
Concen: 0.98 ng
RT: 16.31 min Scan# 1525
Delta R.T. 0.00 min
Lab File: BM001057.D
Acq: 18 Apr 2015 13:24

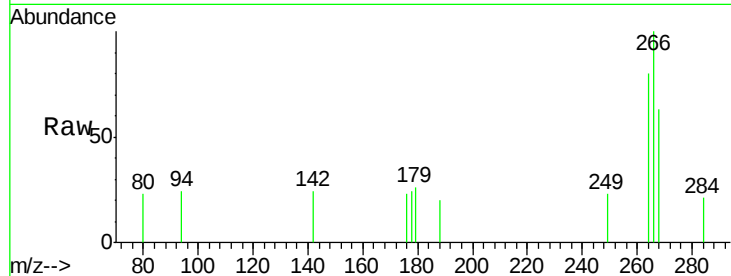
Tgt Ion:284 Resp: 3644
Ion Ratio Lower Upper
284 100
142 0.0 0.0 0.0
249 0.0 0.0 0.0



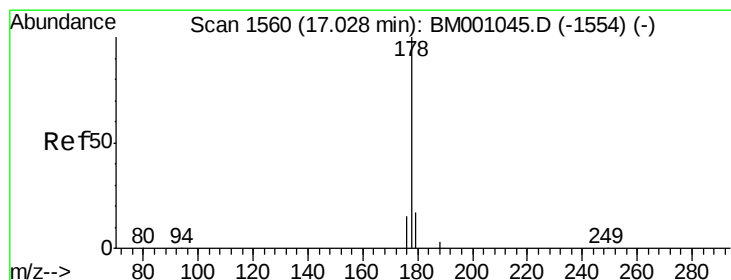
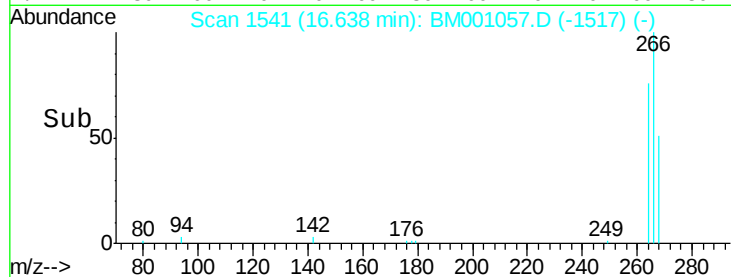
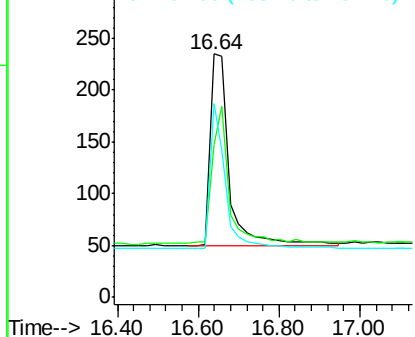


#15
 Pentachlorophenol
 Concen: 0.72 ng
 RT: 16.64 min Scan# 1541
 Delta R.T. 0.00 min
 Lab File: BM001057.D
 Acq: 18 Apr 2015 13:24

Tot Ion:266 Resp: 603
 Ion Ratio Lower Upper
 266 100
 268 63.0 46.3 69.5
 264 79.6 59.8 89.6

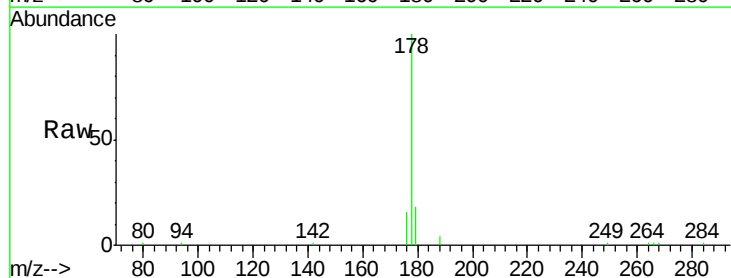


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

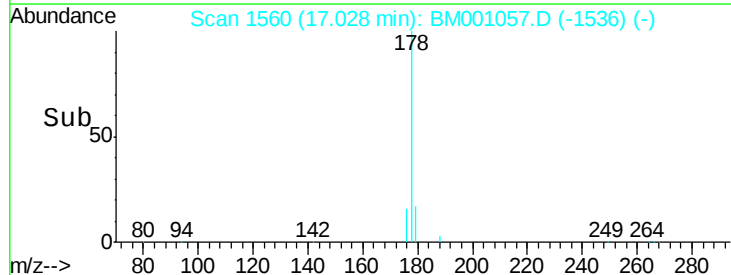
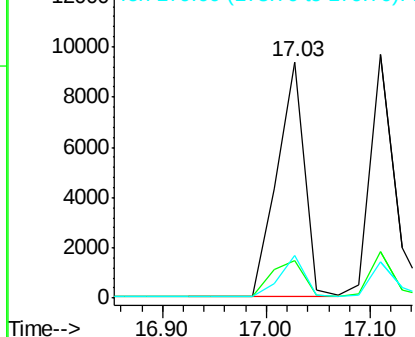


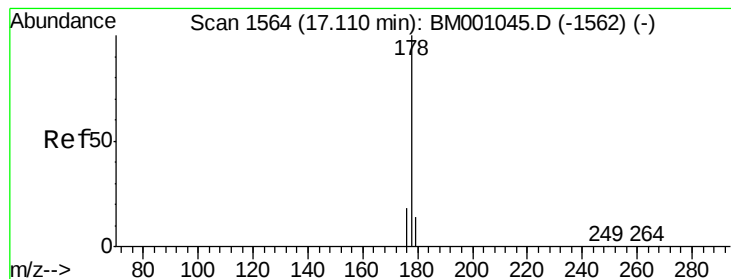
#16
 Phenanthrene
 Concen: 0.97 ng
 RT: 17.03 min Scan# 1560
 Delta R.T. 0.00 min
 Lab File: BM001057.D
 Acq: 18 Apr 2015 13:24

Tgt Ion:178 Resp: 17257
 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: 0.98 ng

RT: 17.11 min Scan# 1564

Delta R.T. 0.00 min

Lab File: BM001057.D

Acq: 18 Apr 2015 13:24

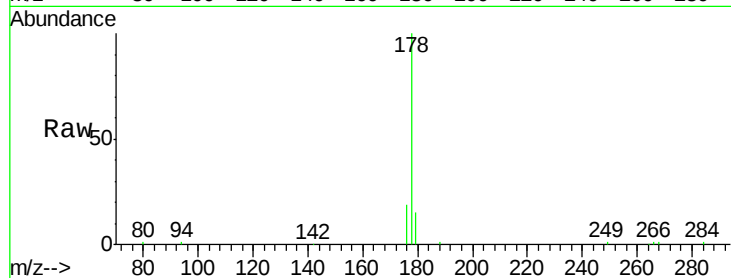
Tot Ion:178 Resp: 16037

Ion Ratio Lower Upper

178 100

176 17.9 14.3 21.5

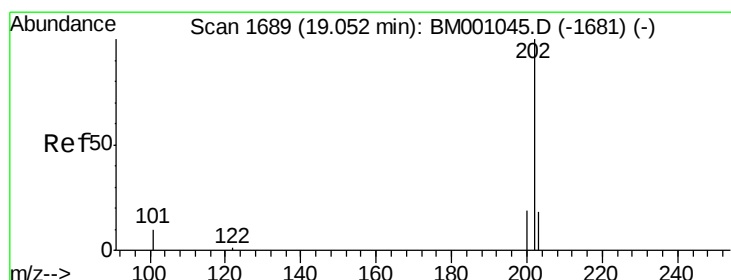
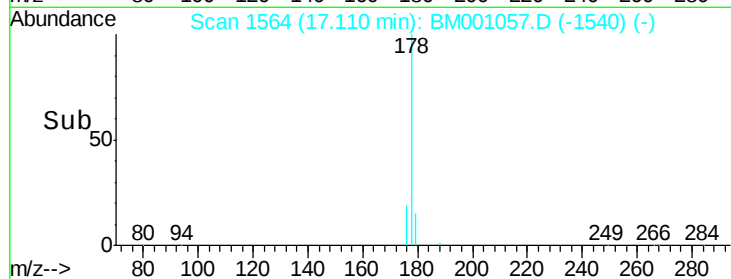
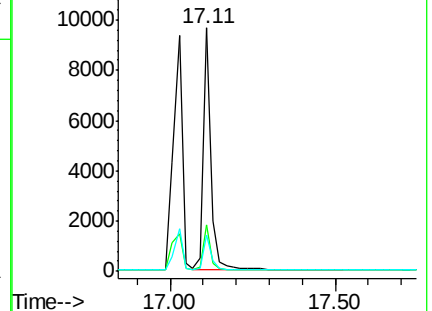
179 14.7 11.8 17.8



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: 0.98 ng

RT: 19.05 min Scan# 1689

Delta R.T. 0.00 min

Lab File: BM001057.D

Acq: 18 Apr 2015 13:24

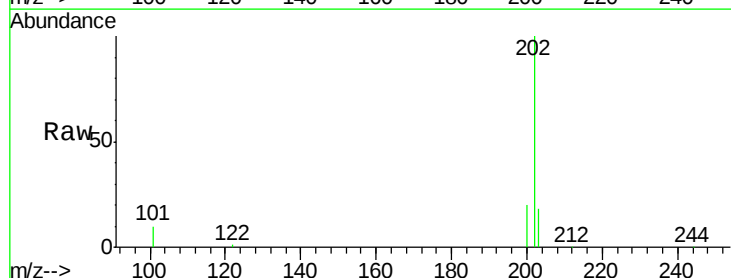
Tgt Ion:202 Resp: 18194

Ion Ratio Lower Upper

202 100

101 12.7 10.1 15.1

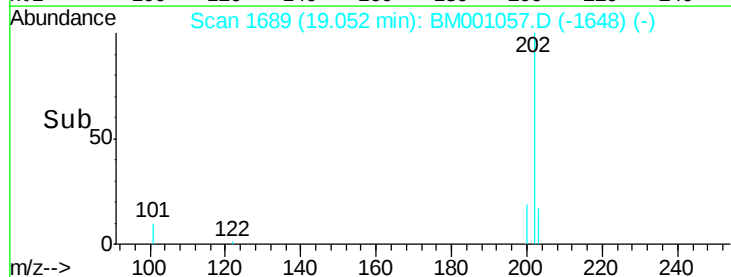
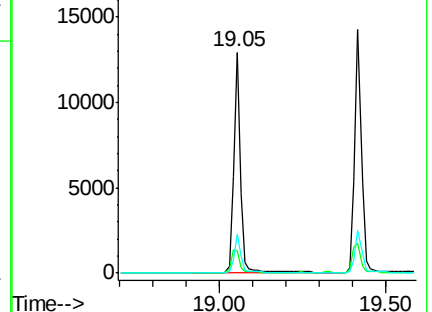
203 17.1 13.8 20.8

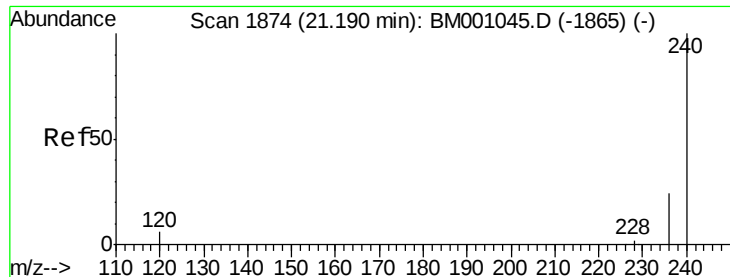


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

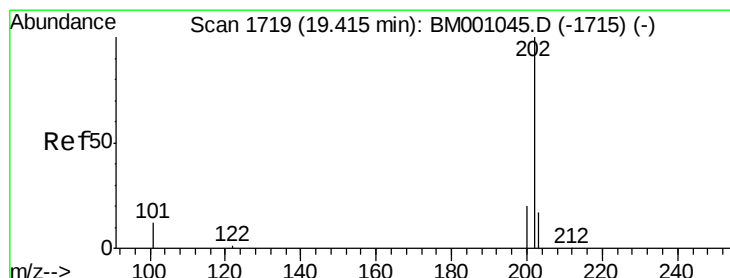
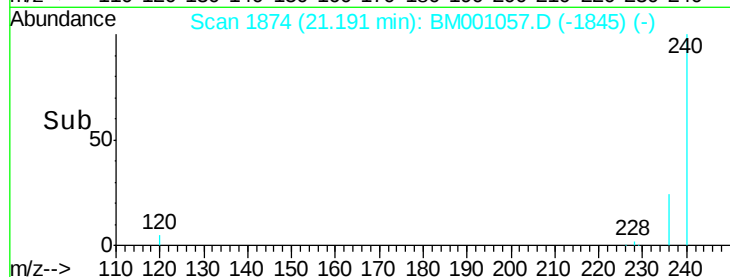
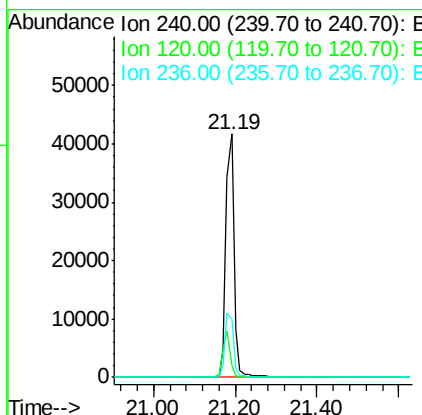
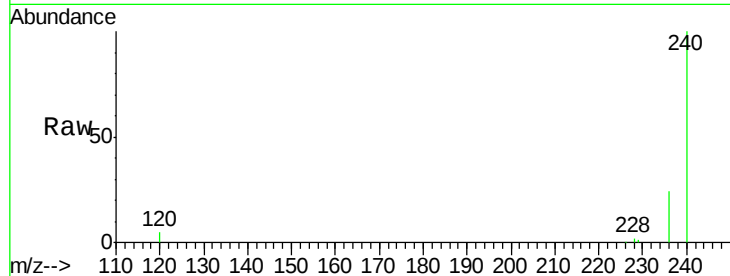
Ion 203.00 (202.70 to 203.70): E





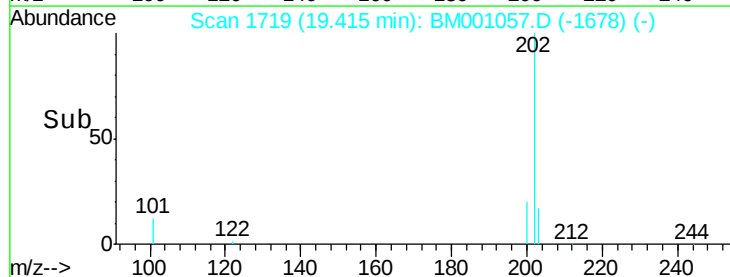
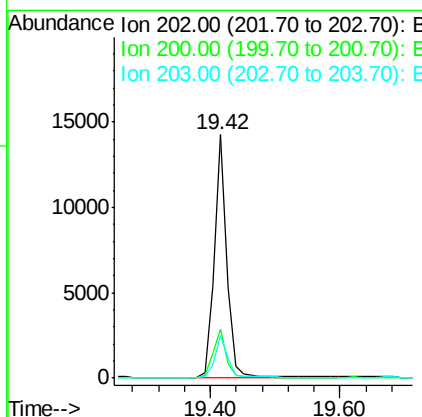
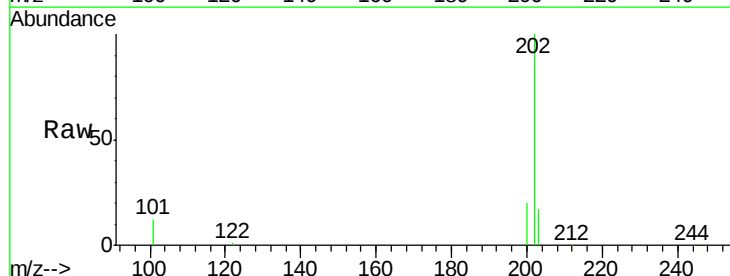
#19
Chrysene-d12
Concen: 5.00 ng
RT: 21.19 min Scan# 1874
Delta R.T. 0.00 min
Lab File: BM001057.D
Acq: 18 Apr 2015 13:24

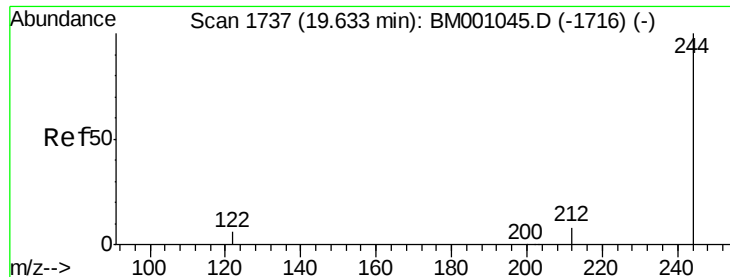
Tot Ion:240 Resp: 57954
Ion Ratio Lower Upper
240 100
120 5.1 4.6 6.8
236 23.8 19.1 28.7



#20
Pyrene
Concen: 0.99 ng
RT: 19.42 min Scan# 1719
Delta R.T. 0.00 min
Lab File: BM001057.D
Acq: 18 Apr 2015 13:24

Tgt Ion:202 Resp: 19067
Ion Ratio Lower Upper
202 100
200 20.3 16.3 24.5
203 17.3 13.8 20.6





#21

Terphenyl-d14

Concen: 1.01 ng

RT: 19.63 min Scan# 1737

Delta R.T. 0.00 min

Lab File: BM001057.D

Acq: 18 Apr 2015 13:24

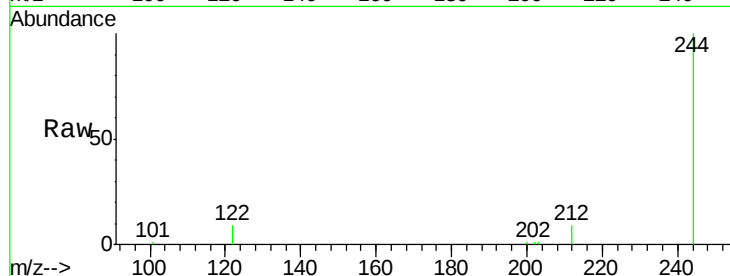
Tot Ion:244 Resp: 7732

Ion Ratio Lower Upper

244 100

212 9.0 7.1 10.7

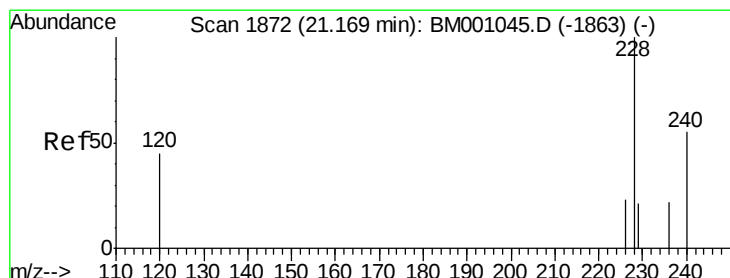
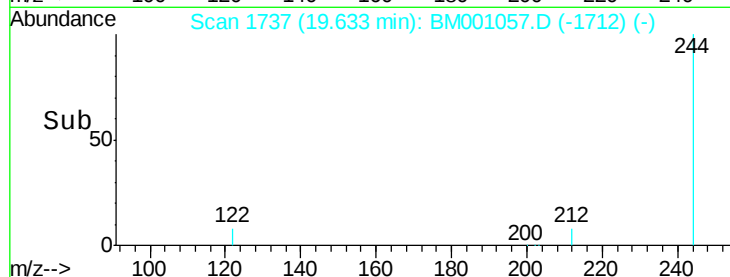
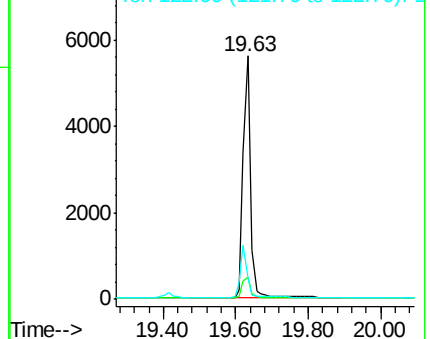
122 8.7 5.9 8.9



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: 0.95 ng

RT: 21.17 min Scan# 1872

Delta R.T. 0.00 min

Lab File: BM001057.D

Acq: 18 Apr 2015 13:24

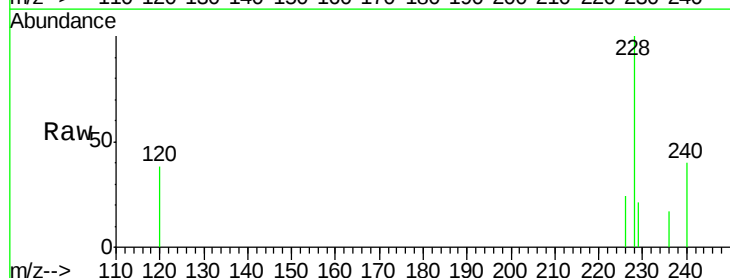
Tgt Ion:228 Resp: 15995

Ion Ratio Lower Upper

228 100

226 24.4 19.0 28.6

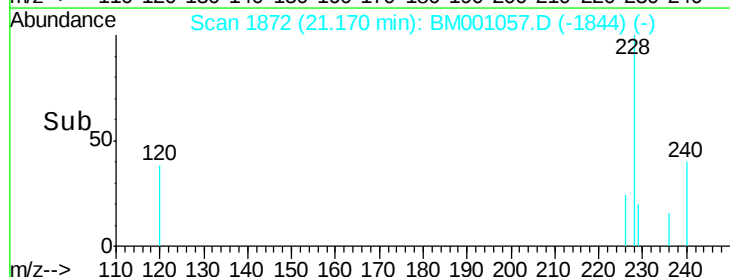
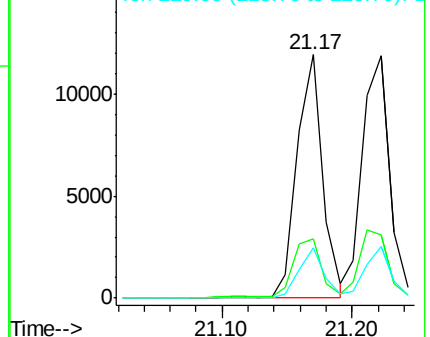
229 20.7 16.8 25.2

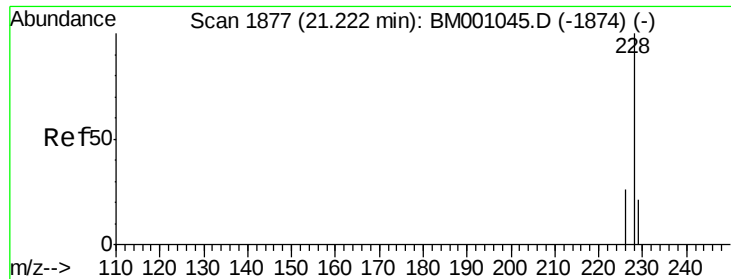


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

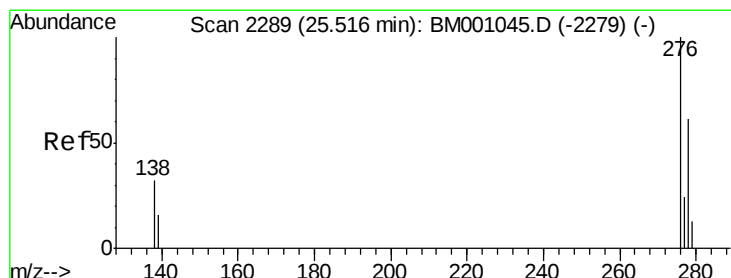
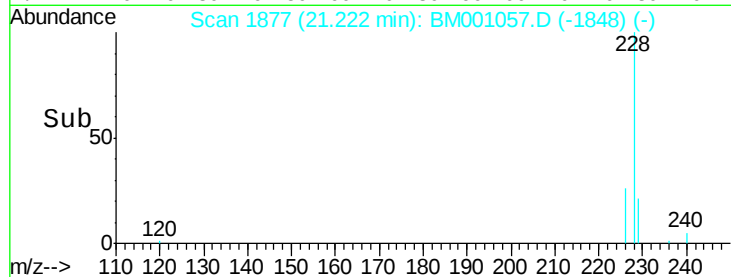
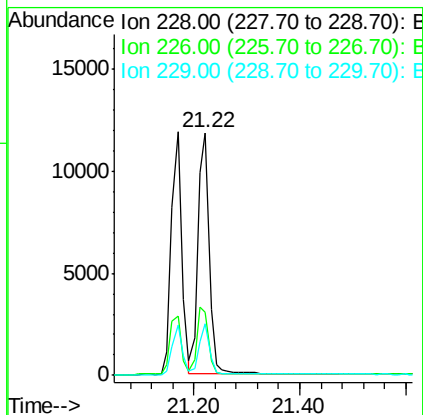
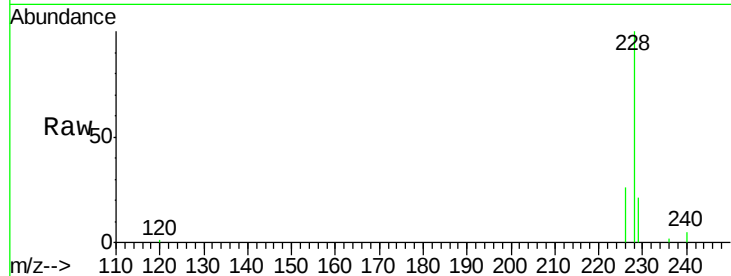




#23
Chrysene
Concen: 1.00 ng
RT: 21.22 min Scan# 1877
Delta R.T. 0.00 min
Lab File: BM001057.D
Acq: 18 Apr 2015 13:24

Tot Ion:228 Resp: 17623

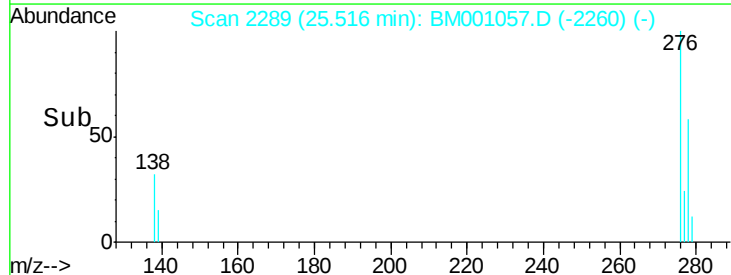
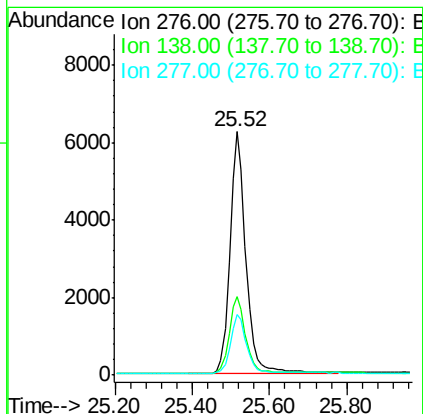
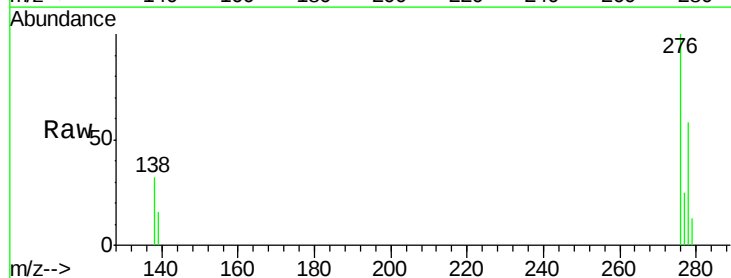
Ion	Ratio	Lower	Upper
228	100		
226	25.8	20.6	31.0
229	21.1	17.2	25.8

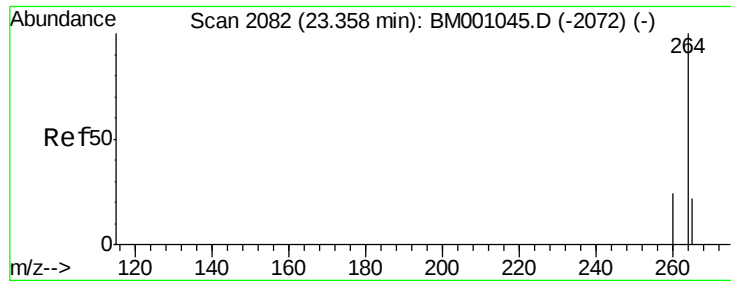


#24
Indeno(1,2,3-cd)pyrene
Concen: 0.99 ng
RT: 25.52 min Scan# 2289
Delta R.T. 0.00 min
Lab File: BM001057.D
Acq: 18 Apr 2015 13:24

Tgt Ion:276 Resp: 17787

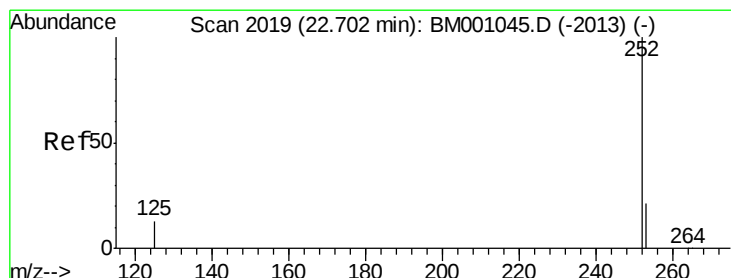
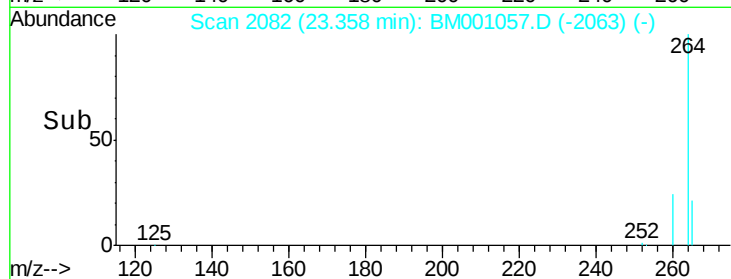
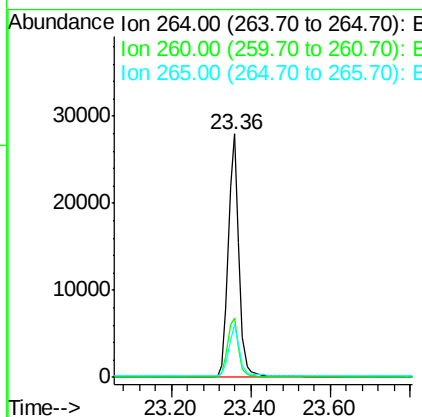
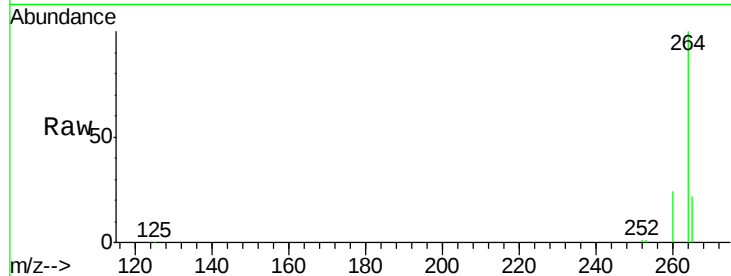
Ion	Ratio	Lower	Upper
276	100		
138	32.7	26.3	39.5
277	24.5	19.5	29.3





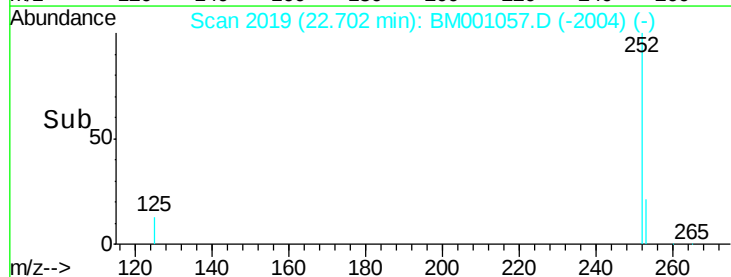
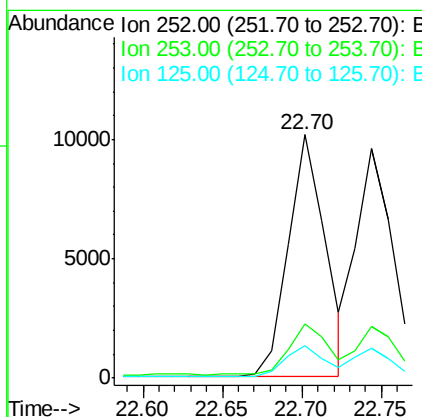
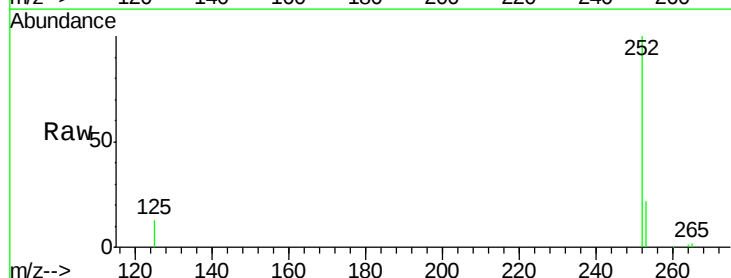
#25
Pervlene-d12
Concen: 5.00 ng
RT: 23.36 min Scan# 2082
Delta R.T. 0.00 min
Lab File: BM001057.D
Acq: 18 Apr 2015 13:24

Tot Ion:264 Resp: 52016
Ion Ratio Lower Upper
264 100
260 24.3 19.0 28.6
265 21.9 17.9 26.9



#26
Benzo(b)fluoranthene
Concen: 0.97 ng
RT: 22.70 min Scan# 2019
Delta R.T. 0.00 min
Lab File: BM001057.D
Acq: 18 Apr 2015 13:24

Tgt Ion:252 Resp: 16278
Ion Ratio Lower Upper
252 100
253 22.4 18.2 27.2
125 13.5 10.9 16.3





#27

Benzo(k)fluoranthene

Concen: 1.00 ng

RT: 22.74 min Scan# 2023

Delta R.T. 0.00 min

Lab File: BM001057.D

Acq: 18 Apr 2015 13:24

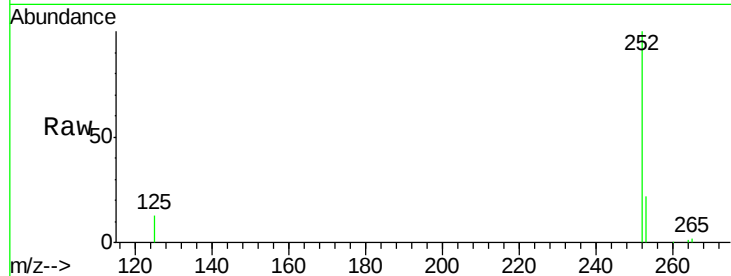
Tot Ion:252 Resp: 15970

Ion Ratio Lower Upper

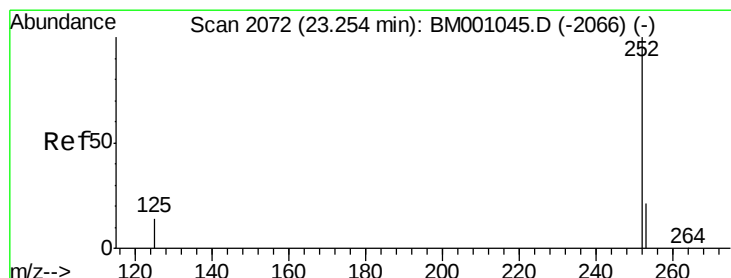
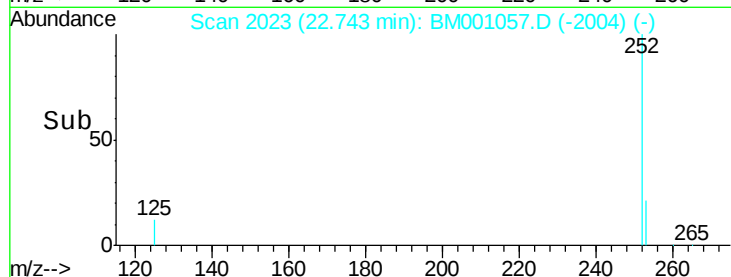
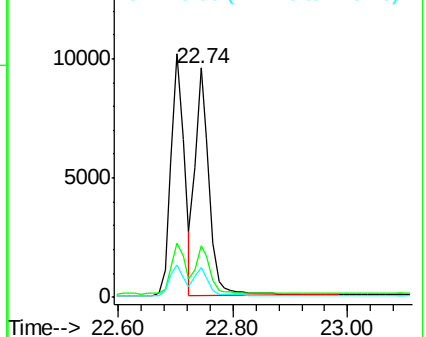
252 100

253 22.3 18.3 27.5

125 13.2 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: 0.98 ng

RT: 23.25 min Scan# 2072

Delta R.T. 0.00 min

Lab File: BM001057.D

Acq: 18 Apr 2015 13:24

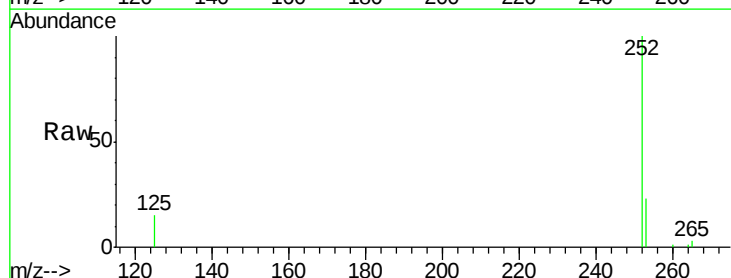
Tgt Ion:252 Resp: 14073

Ion Ratio Lower Upper

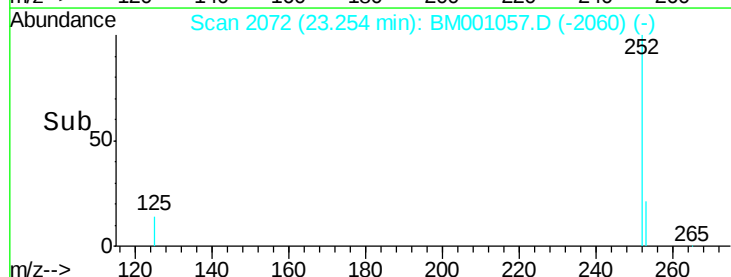
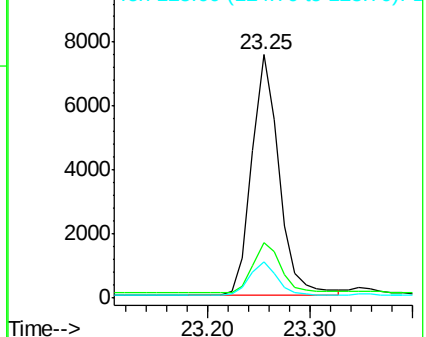
252 100

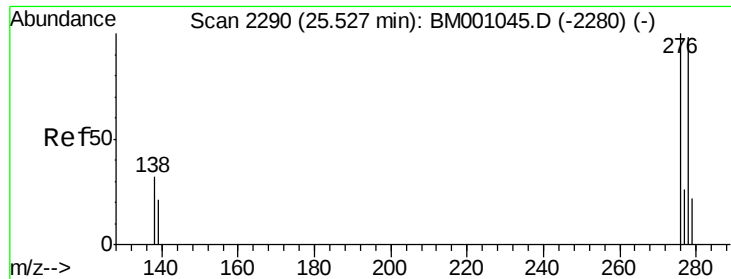
253 23.0 18.6 27.8

125 14.9 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

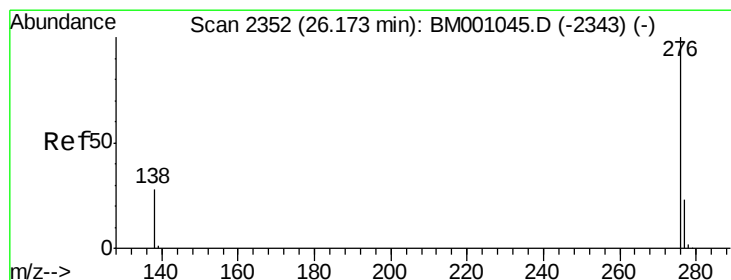
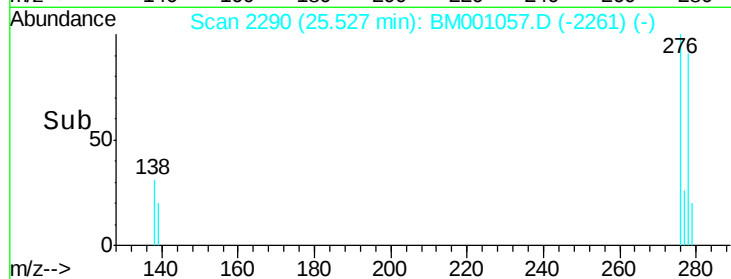
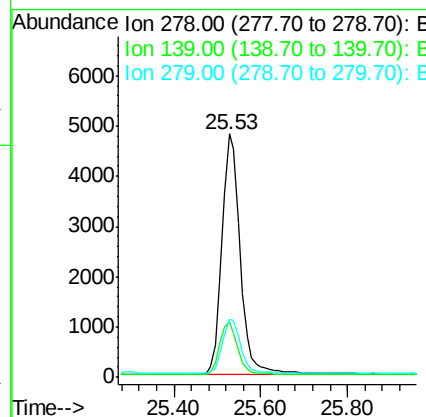
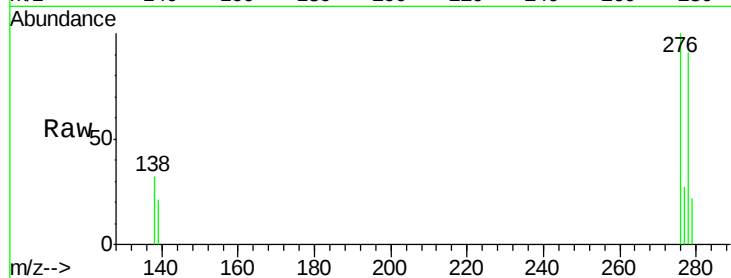




#29
Dibenzo(a,h)anthracene
Concen: 1.00 ng
RT: 25.53 min Scan# 2290
Delta R.T. 0.00 min
Lab File: BM001057.D
Acq: 18 Apr 2015 13:24

Tot Ion:278 Resp: 14113

Ion	Ratio	Lower	Upper
278	100		
139	22.9	18.2	27.2
279	23.9	19.1	28.7



#30
Benzo(g,h,i)perylene
Concen: 0.98 ng
RT: 26.17 min Scan# 2352
Delta R.T. 0.00 min
Lab File: BM001057.D
Acq: 18 Apr 2015 13:24

Tgt Ion:276 Resp: 15077

Ion	Ratio	Lower	Upper
276	100		
277	23.6	19.0	28.4
138	29.5	23.4	35.2

