

Data Path : Z:\HPCHEM1\BNA M\DATA\BM041815\
 Data File : BM001059.D
 Acq On : 18 Apr 2015 14:35
 Operator : TP/IZ
 Sample : G1856-02
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Quant Time: Apr 20 08:17:46 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	23292	5.00	ng	0.00
4) Naphthalene-d8	10.36	136	84430	5.00	ng	0.00
8) Acenaphthene-d10	14.24	164	44601	5.00	ng	0.00
13) Phenanthrene-d10	16.99	188	100527	5.00	ng	0.00
19) Chrysene-d12	21.19	240	87102	5.00	ng	0.00
25) Perylene-d12	23.36	264	80864	5.00	ng	0.00

System Monitoring Compounds

5) Nitrobenzene-d5	8.74	82	21991	4.99	ng	0.00
9) 2-Fluorobiphenyl	12.86	172	77780	5.28	ng	0.00
21) Terphenyl-d14	19.63	244	80234	6.95	ng	0.00

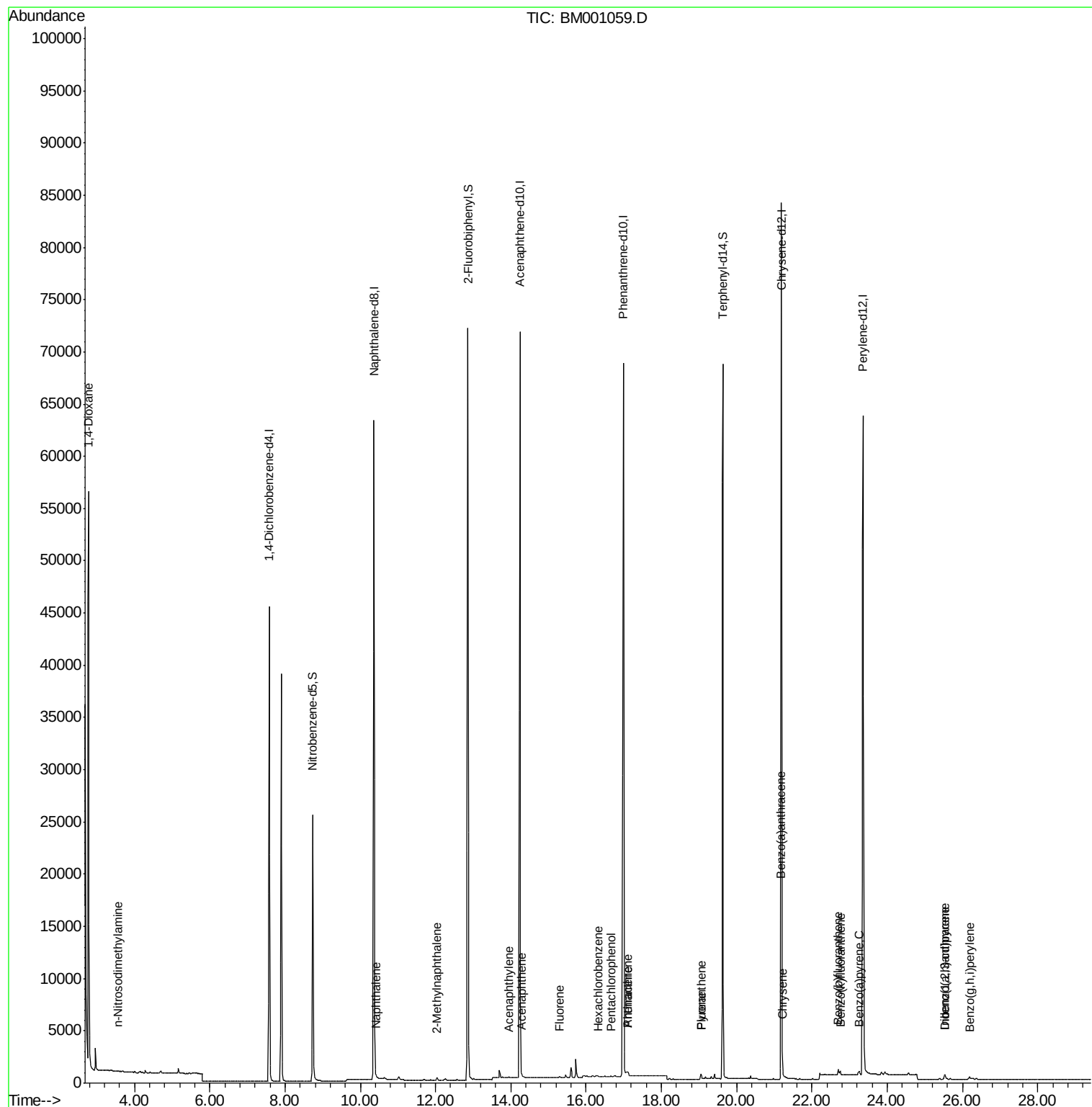
Target Compounds

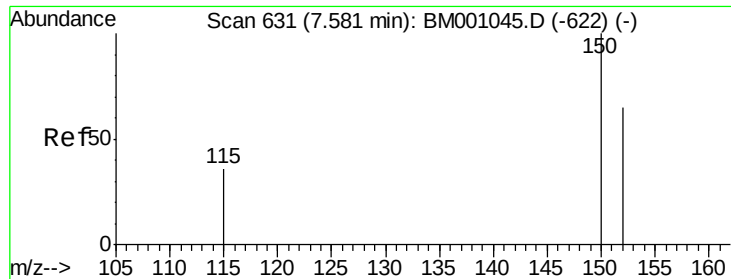
						Ovalue
2) 1,4-Dioxane	2.78	88	3965	1.51	ng	# 100
3) n-Nitrosodimethylamine	3.56	42	37	0.02	ng	# 1
6) Naphthalene	10.41	128	175	0.01	ng	# 26
7) 2-Methylnaphthalene	12.04	142	174	0.01	ng	# 74
10) Acenaphthylene	13.95	152	101	0.01	ng	# 62
11) Acenaphthene	14.29	154	80	0.01	ng	99
12) Fluorene	15.30	166	132	0.01	ng	# 88
14) Hexachlorobenzene	16.31	284	57	0.01	ng	# 100
15) Pentachlorophenol	16.66	266	12	0.29	ng	# 64
16) Phenanthrene	17.11	178	310	0.01	ng	98
17) Anthracene	17.11	178	310	0.01	ng	99
18) Fluoranthene	19.05	202	423	0.02	ng	# 69
20) Pyrene	19.05	202	423	0.01	ng	95
22) Benzo(a)anthracene	21.17	228	705	0.03	ng	# 81
23) Chrysene	21.22	228	425	0.02	ng	# 77
24) Indeno(1,2,3-cd)pyrene	25.53	276	560	0.02	ng	95
26) Benzo(b)fluoranthene	22.70	252	580	0.02	ng	# 1
27) Benzo(k)fluoranthene	22.75	252	420	0.02	ng	# 1
28) Benzo(a)pyrene	23.25	252	442	0.02	ng	# 1
29) Dibenzo(a,h)anthracene	25.54	278	440	0.02	ng	# 18
30) Benzo(g,h,i)perylene	26.18	276	499	0.02	ng	# 59

(#) = 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: BM001059.D

Acq: 18 Apr 2015 14:35

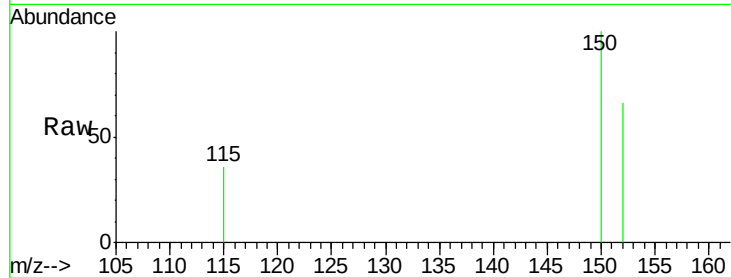
Tot Ion:152 Resp: 23292

Ion Ratio Lower Upper

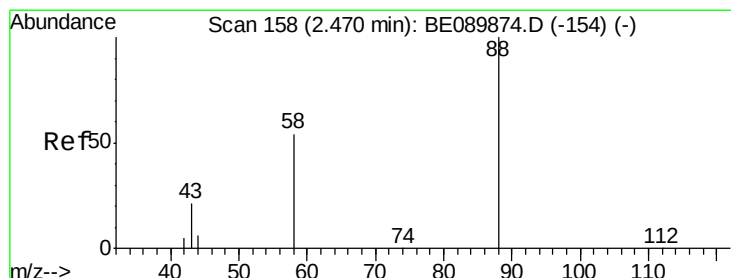
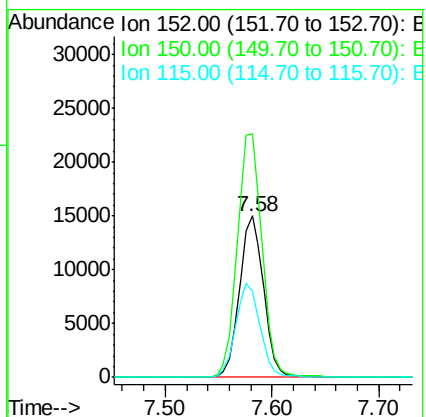
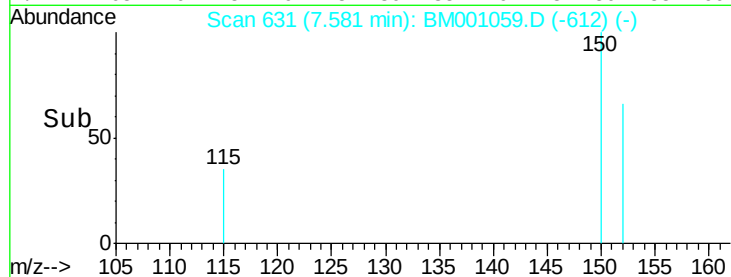
152 100

150 150.9 123.3 184.9

115 53.6 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: 1.51 ng

RT: 2.78 min Scan# 10

Delta R.T. -0.30 min

Lab File: BM001059.D

Acq: 18 Apr 2015 14:35

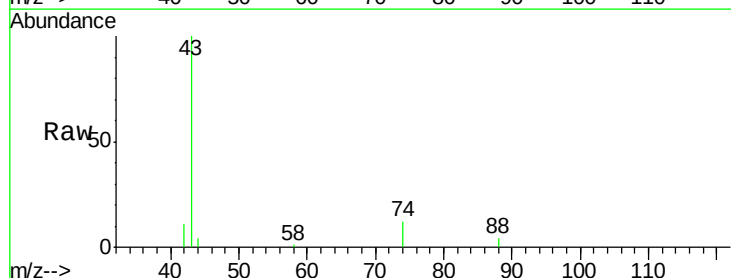
Tgt Ion: 88 Resp: 3965

Ion Ratio Lower Upper

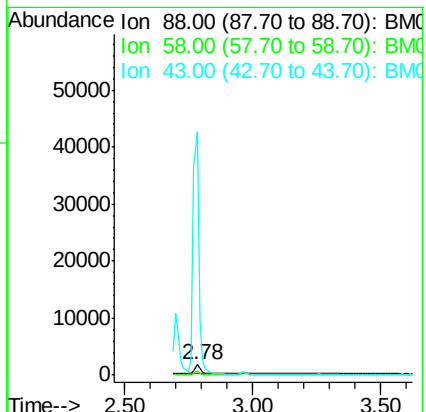
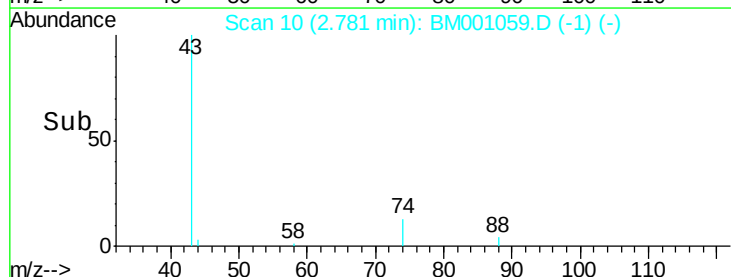
88 100

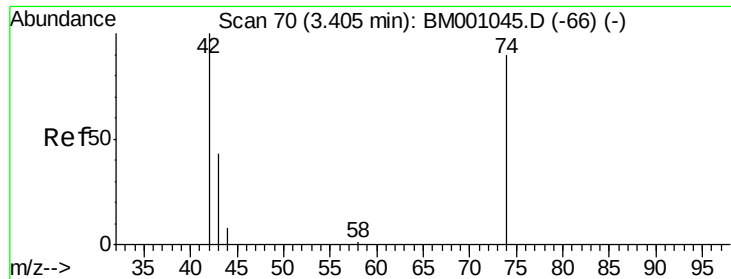
58 17.0 0.0 0.0#

43 1525.7 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

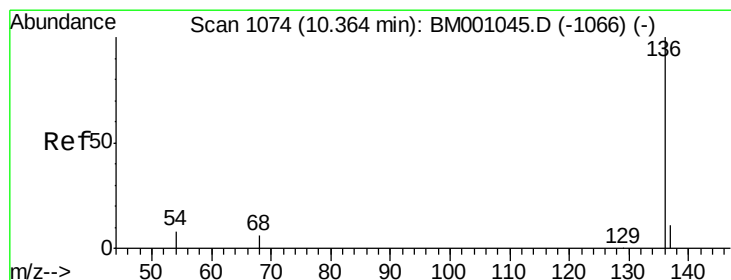
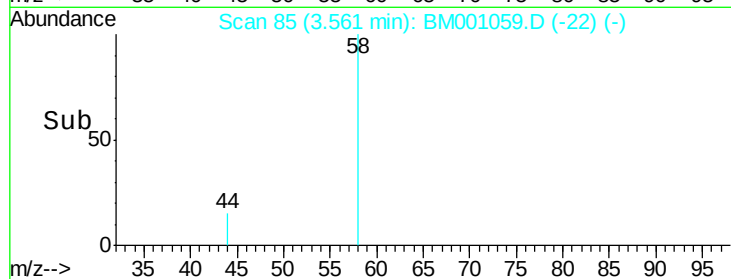
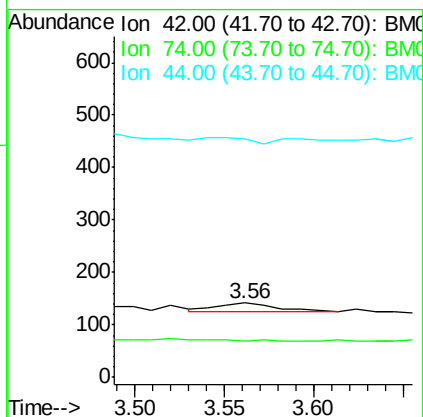
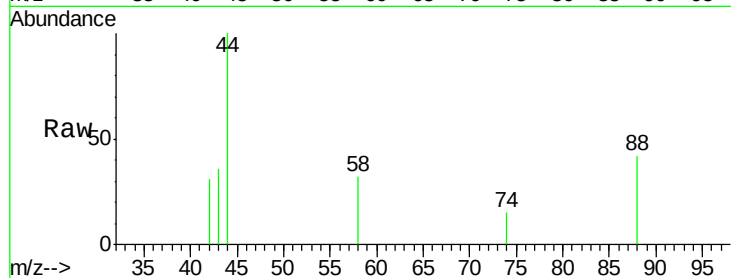




#3

n-Nitrosodimethylamine
 Concen: 0.02 ng
 RT: 3.56 min Scan# 85
 Delta R.T. 0.16 min
 Lab File: BM001059.D
 Acq: 18 Apr 2015 14:35

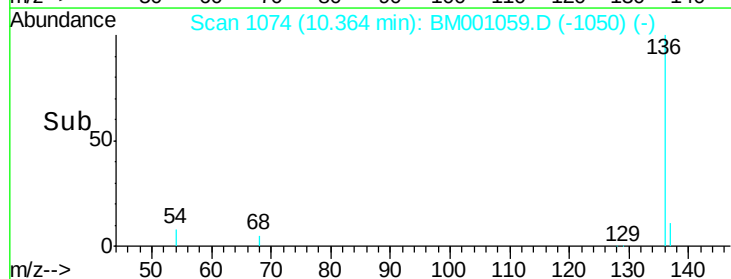
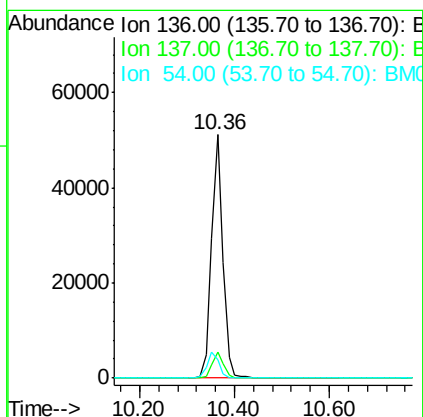
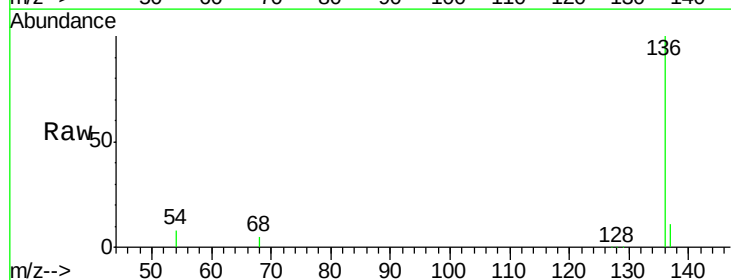
Tot Ion	Ratio	Lower	Upper
42	100		
74	0.0	92.1	138.1#
44	0.0	5.8	8.6#

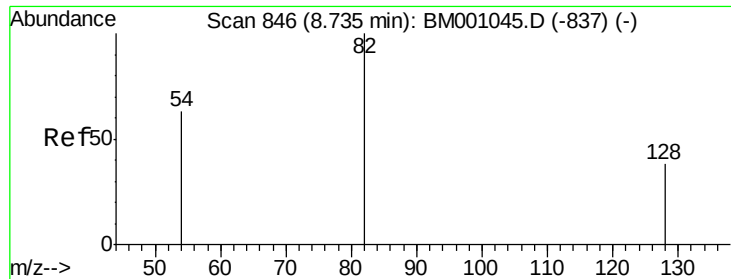


#4

Naphthalene-d8
 Concen: 5.00 ng
 RT: 10.36 min Scan# 1074
 Delta R.T. 0.00 min
 Lab File: BM001059.D
 Acq: 18 Apr 2015 14:35

Tgt Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	7.7	6.5	9.7





#5

Nitrobenzene-d5

Concen: 4.99 ng

RT: 8.74 min Scan# 846

Delta R.T. 0.00 min

Lab File: BM001059.D

Acq: 18 Apr 2015 14:35

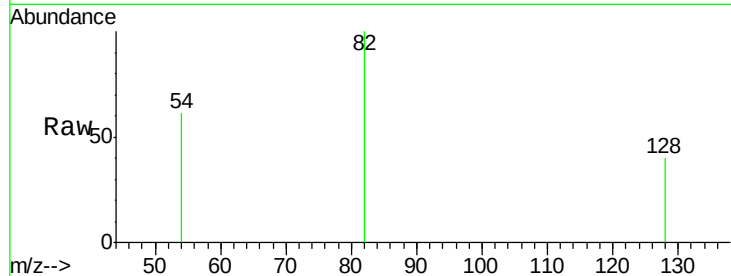
Tot Ion: 82 Resp: 21991

Ion Ratio Lower Upper

82 100

128 40.0 31.9 47.9

54 60.5 51.3 76.9

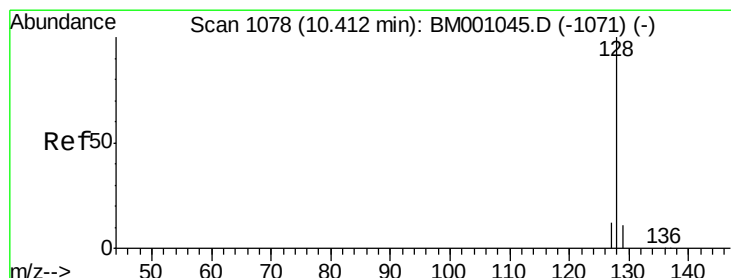
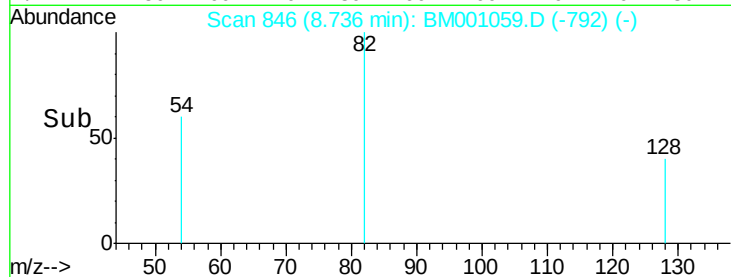


Abundance Ion 82.00 (81.70 to 82.70): BM001045.D (-837) (-)

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: 0.01 ng

RT: 10.41 min Scan# 1078

Delta R.T. 0.00 min

Lab File: BM001059.D

Acq: 18 Apr 2015 14:35

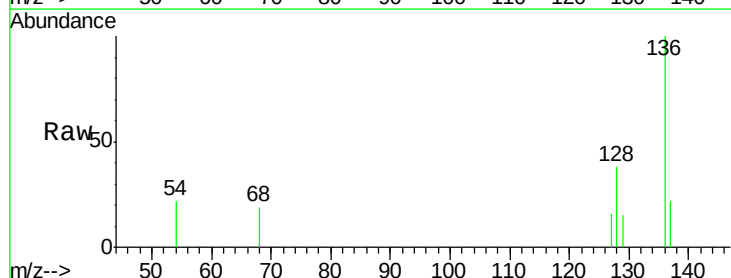
Tgt Ion: 128 Resp: 175

Ion Ratio Lower Upper

128 100

129 40.4 9.3 13.9#

127 41.1 10.0 15.0#

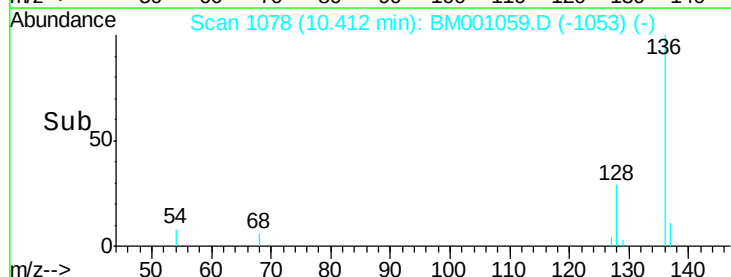


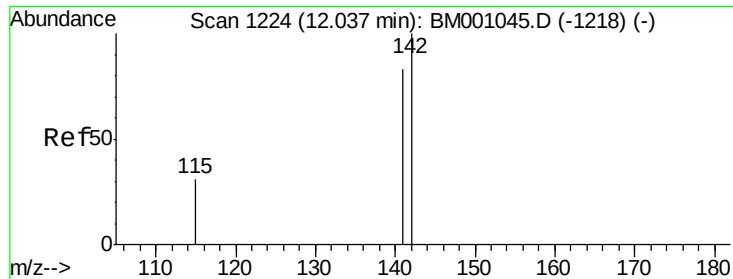
Abundance Ion 128.00 (127.70 to 128.70): BM001045.D (-1071) (-)

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: 0.01 ng

RT: 12.04 min Scan# 1224

Delta R.T. 0.00 min

Lab File: BM001059.D

Acq: 18 Apr 2015 14:35

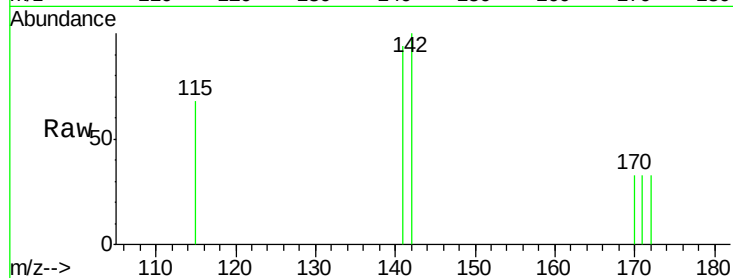
Tot Ion:142 Resp: 174

Ion Ratio Lower Upper

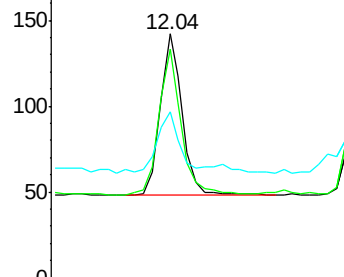
142 100

141 93.7 66.7 100.1

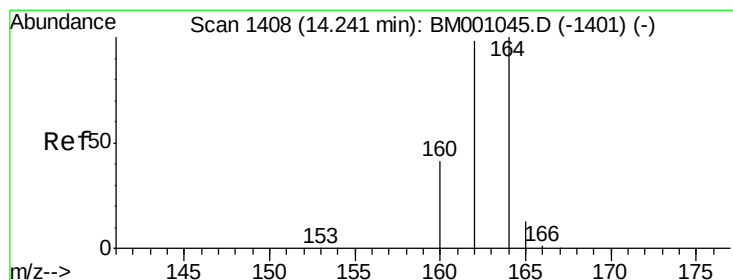
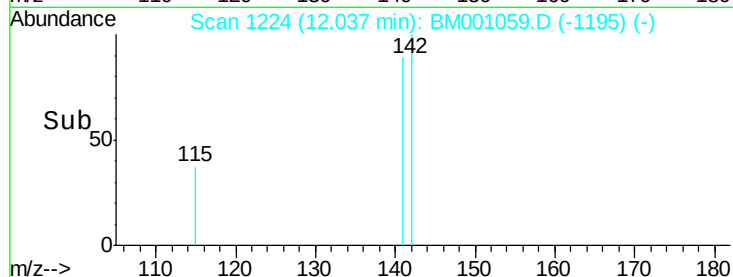
115 68.3 25.5 38.3#



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



Time--> 11.90 12.00 12.10 12.20



#8

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.24 min Scan# 1408

Delta R.T. 0.00 min

Lab File: BM001059.D

Acq: 18 Apr 2015 14:35

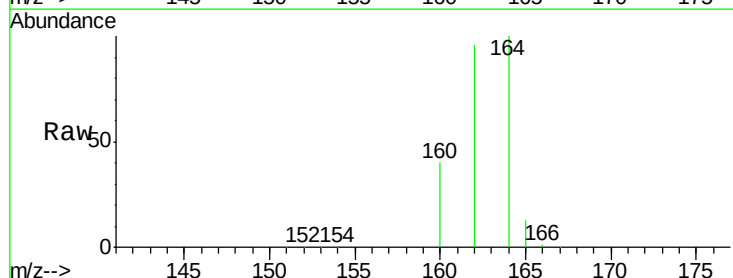
Tgt Ion:164 Resp: 44601

Ion Ratio Lower Upper

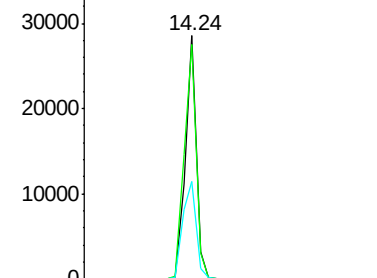
164 100

162 96.4 78.5 117.7

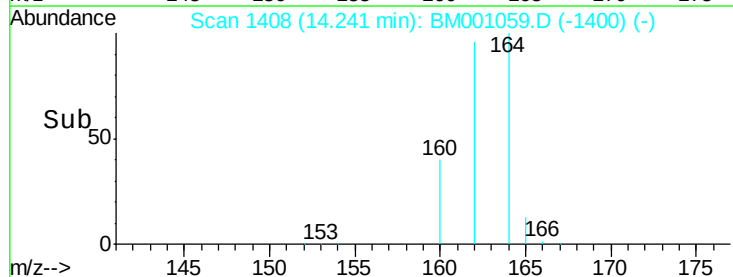
160 39.9 32.9 49.3

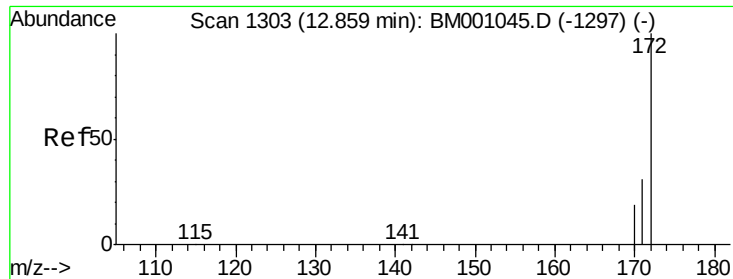


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E



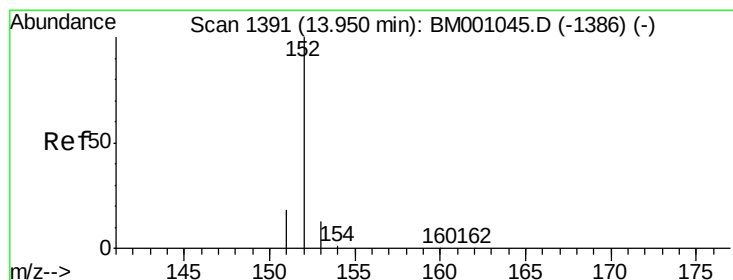
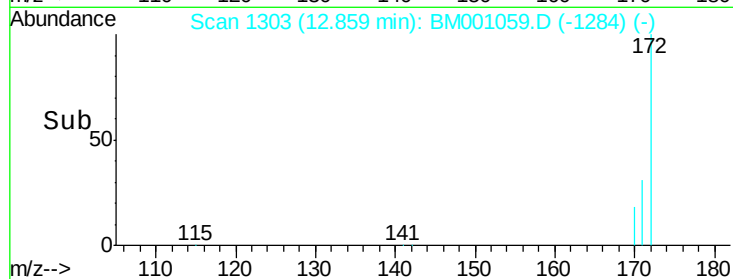
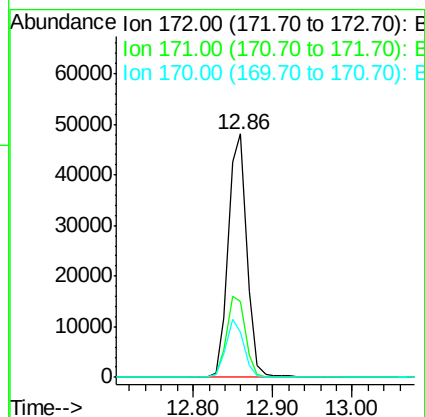
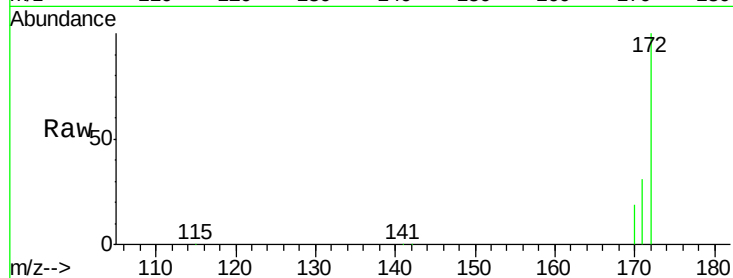
Time--> 14.20 14.40





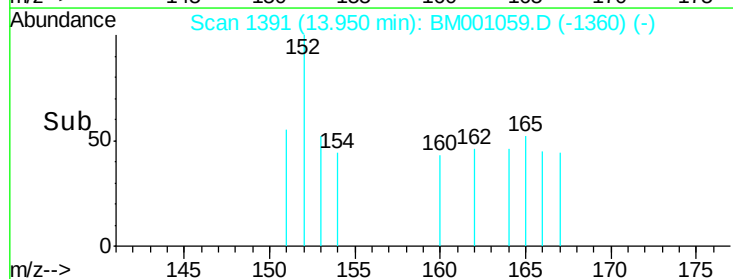
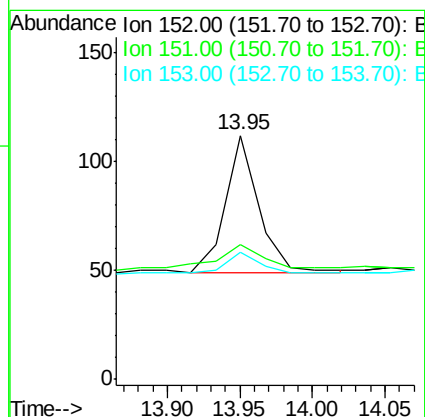
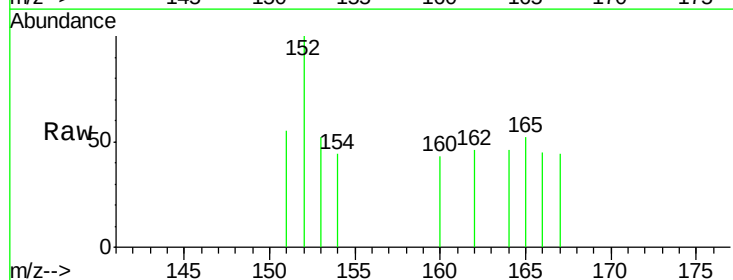
#9
2-Fluorobiphenyl
Concen: 5.28 ng
RT: 12.86 min Scan# 1303
Delta R.T. 0.00 min
Lab File: BM001059.D
Acq: 18 Apr 2015 14:35

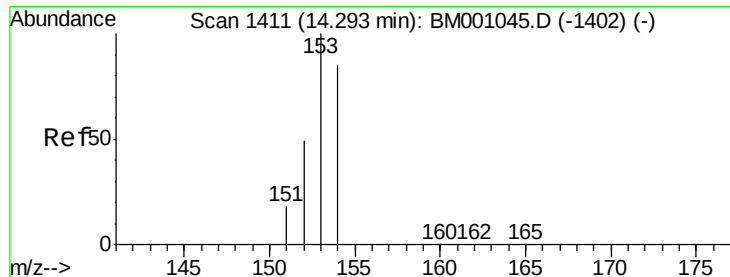
Tot Ion	Ratio	Lower	Upper
172	100		
171	31.0	25.6	38.4
170	18.6	15.8	23.6



#10
Acenaphthylene
Concen: 0.01 ng
RT: 13.95 min Scan# 1391
Delta R.T. 0.00 min
Lab File: BM001059.D
Acq: 18 Apr 2015 14:35

Tgt Ion	Ratio	Lower	Upper
152	100		
151	0.0	14.7	22.1#
153	0.0	10.2	15.2#





#11

Acenaphthene

Concen: 0.01 ng

RT: 14.29 min Scan# 1411

Delta R.T. 0.00 min

Lab File: BM001059.D

Acq: 18 Apr 2015 14:35

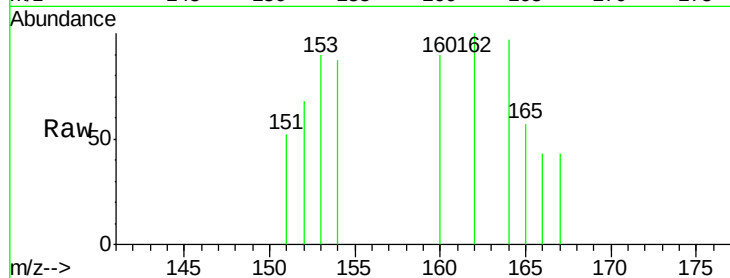
Tot Ion:154 Resp: 80

Ion Ratio Lower Upper

154 100

153 110.0 88.1 132.1

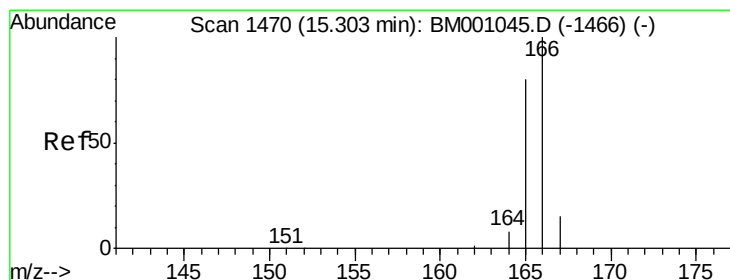
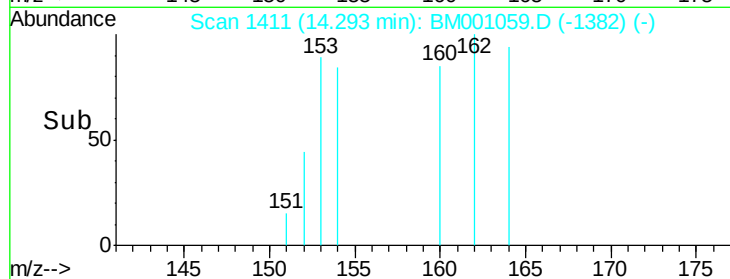
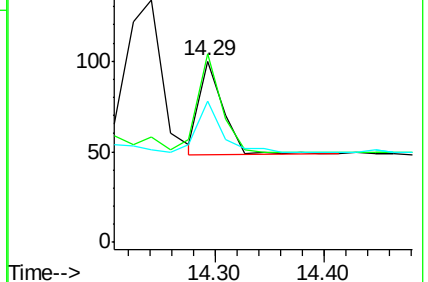
152 55.0 42.3 63.5



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: 0.01 ng

RT: 15.30 min Scan# 1470

Delta R.T. 0.00 min

Lab File: BM001059.D

Acq: 18 Apr 2015 14:35

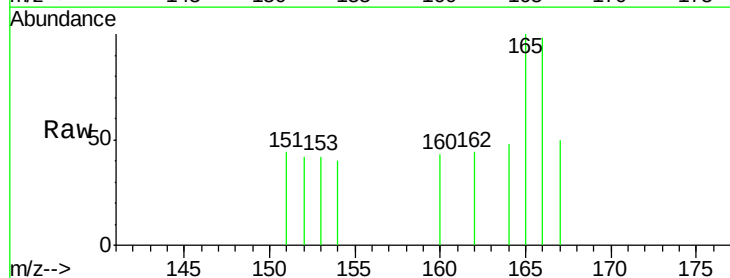
Tgt Ion:166 Resp: 132

Ion Ratio Lower Upper

166 100

165 108.3 77.6 116.4

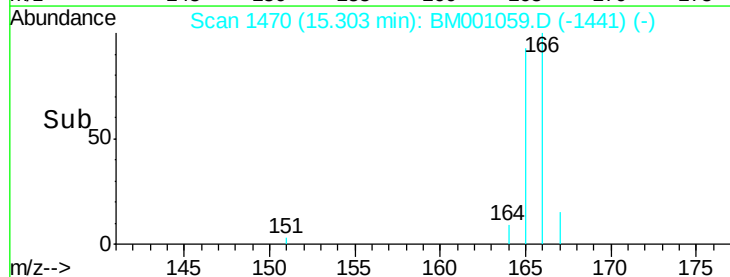
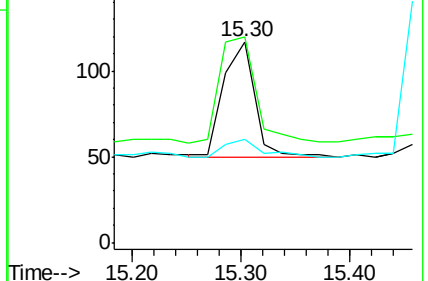
167 18.2 10.6 16.0#

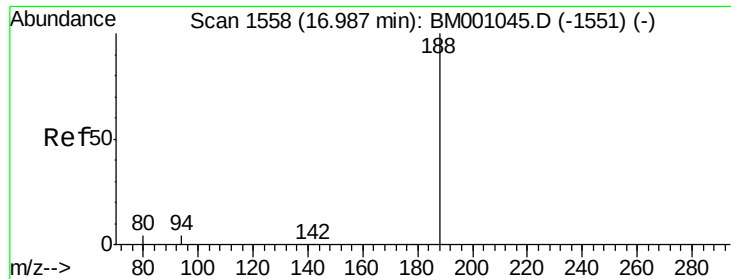


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

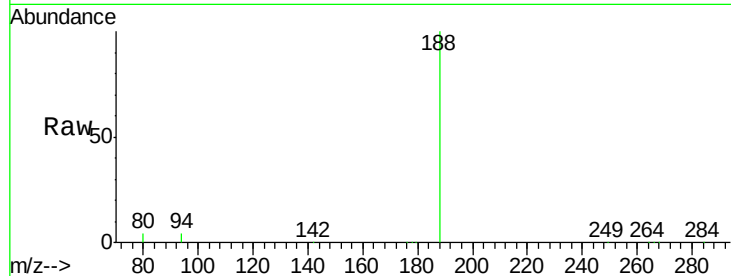
Ion 167.00 (166.70 to 167.70): E





#13
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.99 min Scan# 1558
Delta R.T. 0.00 min
Lab File: BM001059.D
Acq: 18 Apr 2015 14:35

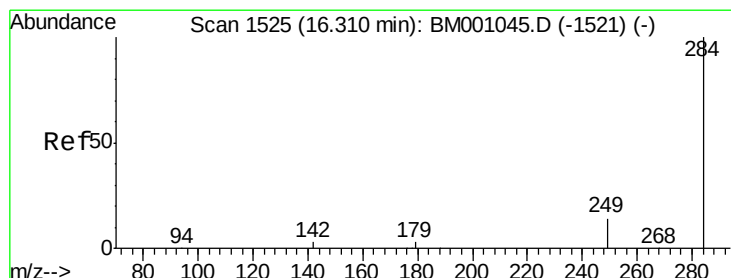
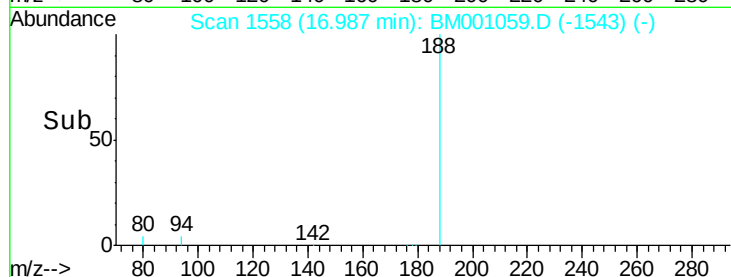
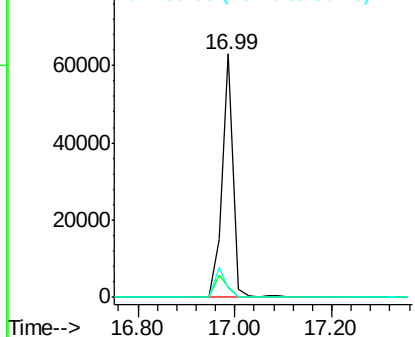
Tot Ion	Ratio	Lower	Upper
188	100		
94	4.4	3.6	5.4
80	3.9	3.0	4.6



Abundance Ion 188.00 (187.70 to 188.70): E

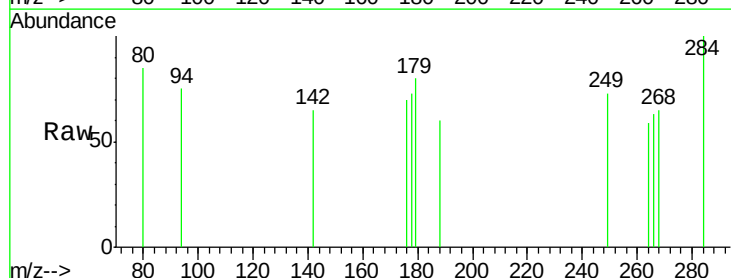
Ion 94.00 (93.70 to 94.70): B

Ion 80.00 (79.70 to 80.70): B



#14
Hexachlorobenzene
Concen: 0.01 ng
RT: 16.31 min Scan# 1525
Delta R.T. 0.00 min
Lab File: BM001059.D
Acq: 18 Apr 2015 14:35

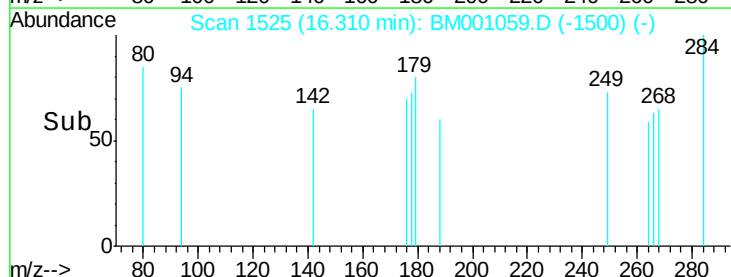
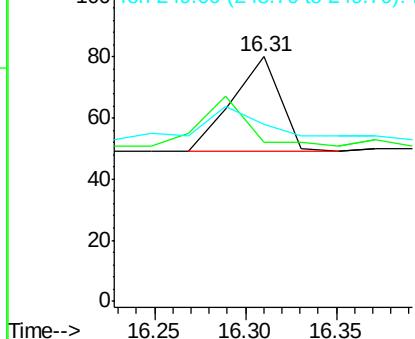
Tgt Ion	Ratio	Lower	Upper
284	100		
142	0.0	0.0	0.0
249	0.0	0.0	0.0

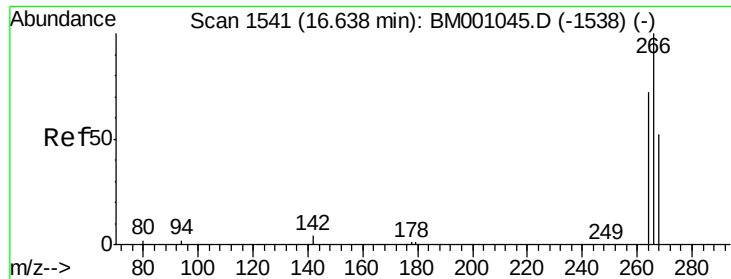


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

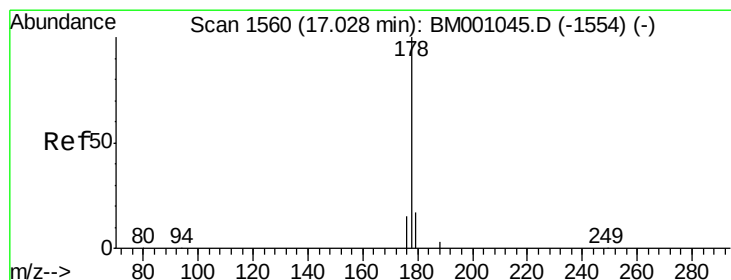
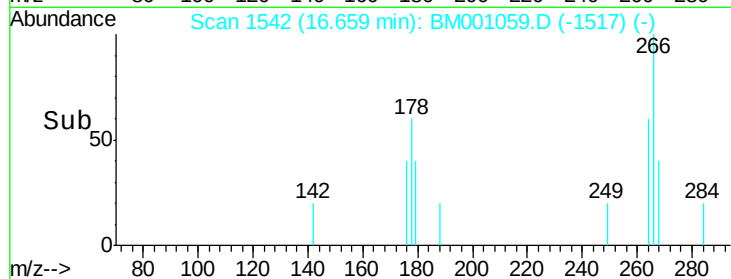
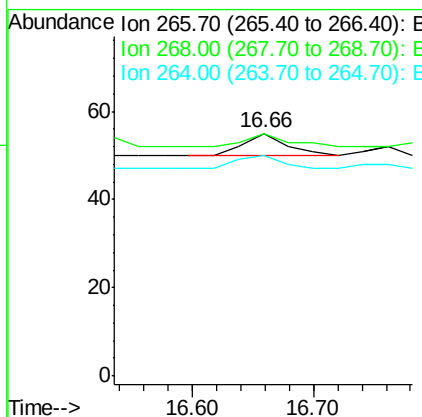
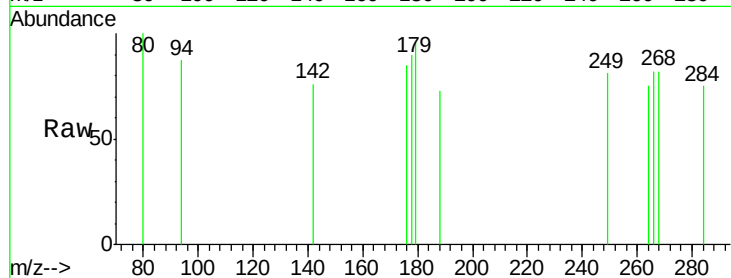
Ion 249.00 (248.70 to 249.70): E





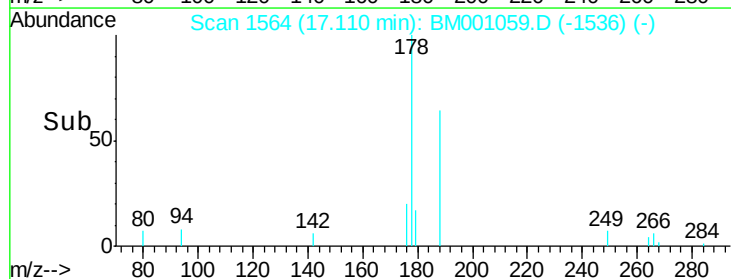
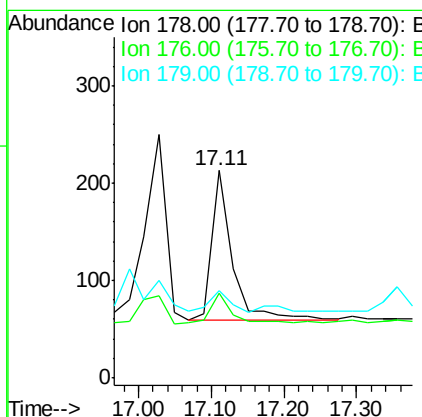
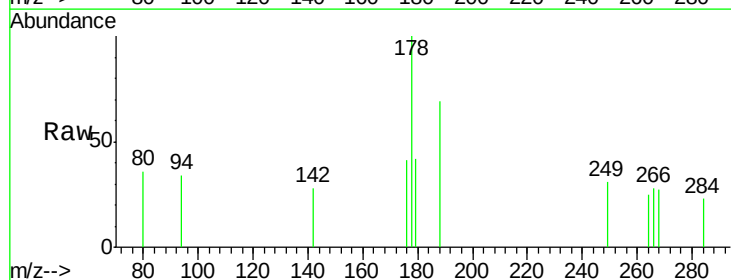
#15
 Pentachlorophenol
 Concen: 0.29 ng
 RT: 16.66 min Scan# 1542
 Delta R.T. 0.02 min
 Lab File: BM001059.D
 Acq: 18 Apr 2015 14:35

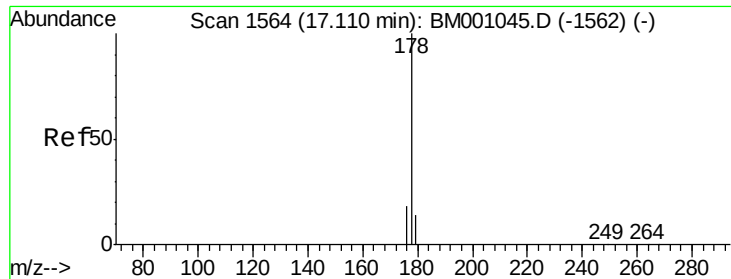
Tot Ion	Ratio	Lower	Upper
266	100		
268	100.0	46.3	69.5#
264	90.9	59.8	89.6#



#16
 Phenanthrene
 Concen: 0.01 ng
 RT: 17.11 min Scan# 1564
 Delta R.T. 0.08 min
 Lab File: BM001059.D
 Acq: 18 Apr 2015 14:35

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.4	14.6	22.0
179	14.8	12.6	19.0





#17

Anthracene

Concen: 0.01 ng

RT: 17.11 min Scan# 1564

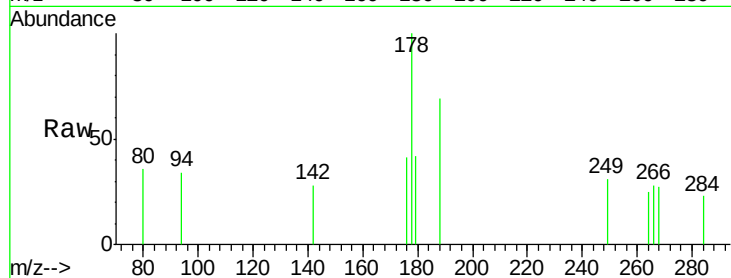
Delta R.T. 0.00 min

Lab File: BM001059.D

Acq: 18 Apr 2015 14:35

Tot Ion:178 Resp: 310

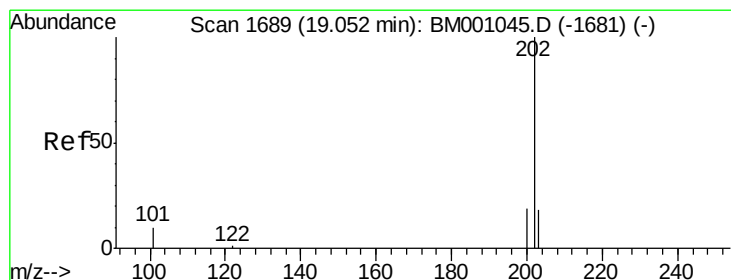
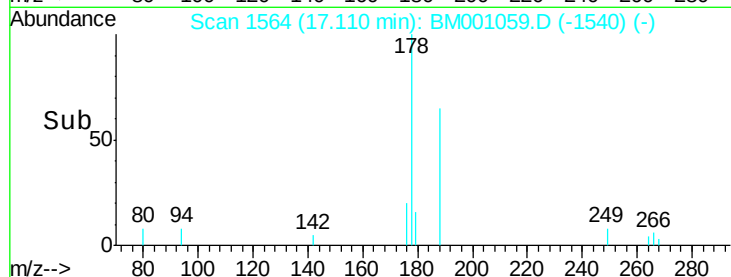
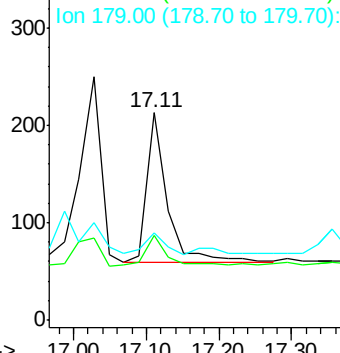
Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.3	21.5
179	14.8	11.8	17.8



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: 0.02 ng

RT: 19.05 min Scan# 1689

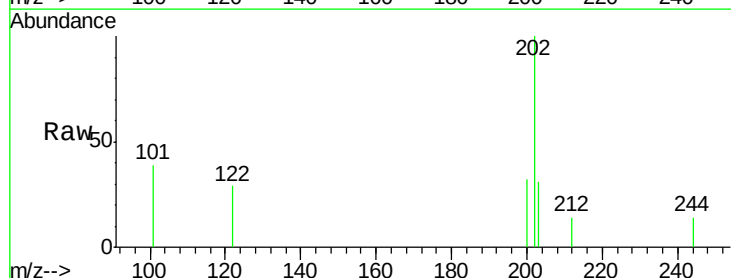
Delta R.T. 0.00 min

Lab File: BM001059.D

Acq: 18 Apr 2015 14:35

Tgt Ion:202 Resp: 423

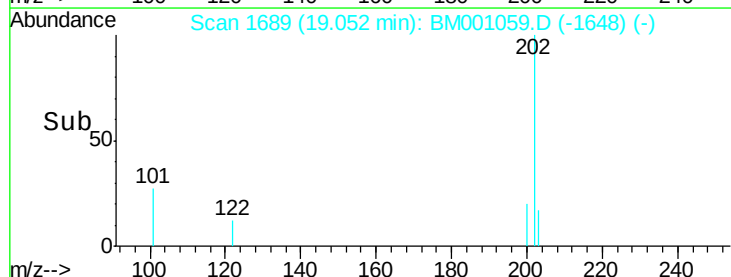
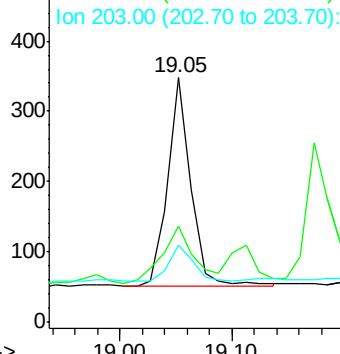
Ion	Ratio	Lower	Upper
202	100		
101	39.2	10.1	15.1#
203	18.9	13.8	20.8

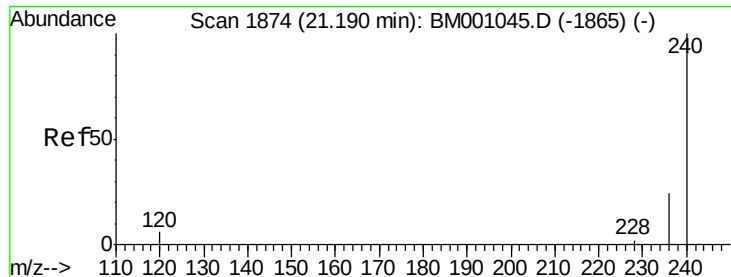


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

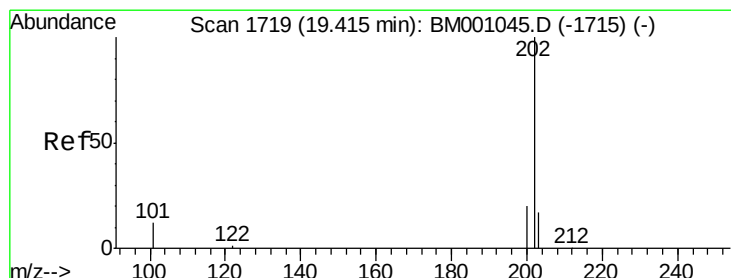
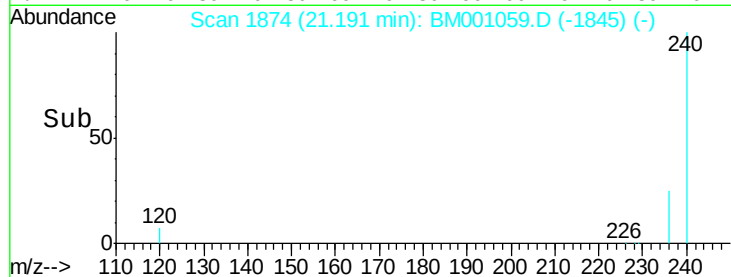
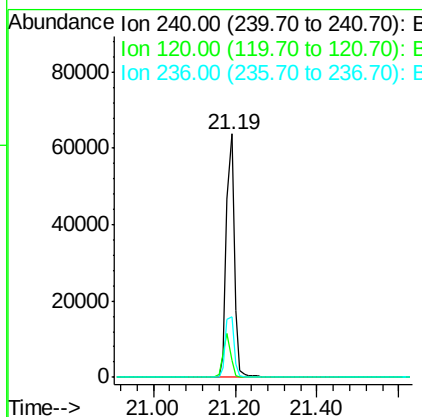
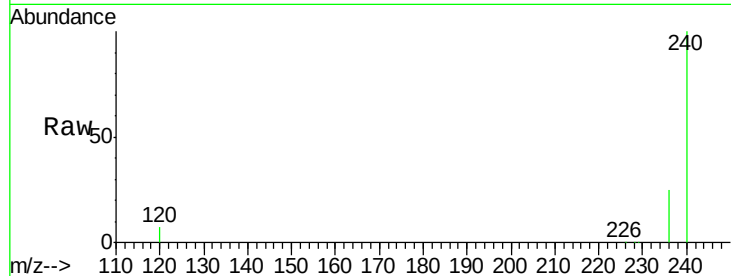
Ion 203.00 (202.70 to 203.70): E





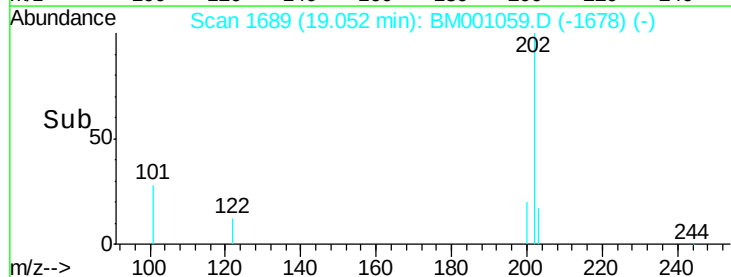
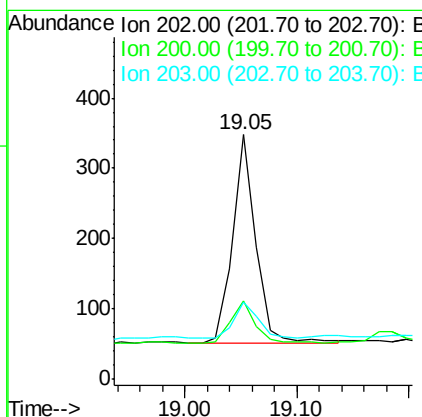
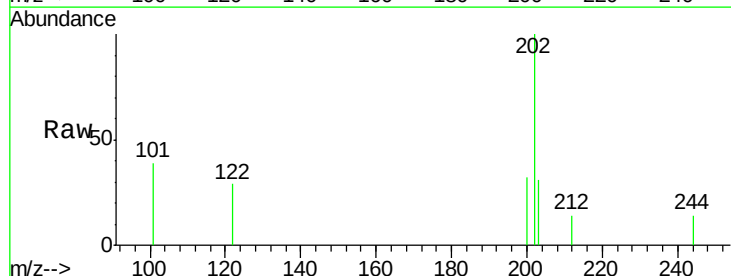
#19
Chrysene-d12
Concen: 5.00 ng
RT: 21.19 min Scan# 1874
Delta R.T. 0.00 min
Lab File: BM001059.D
Acq: 18 Apr 2015 14:35

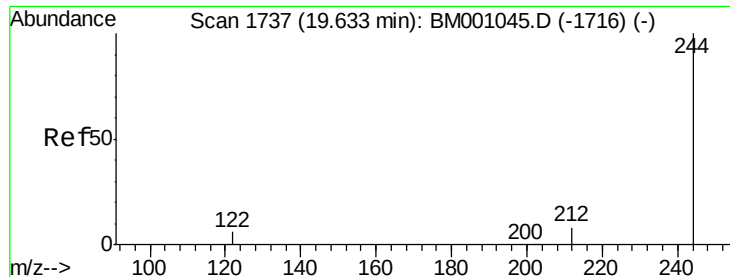
Tot Ion:240 Resp: 87102
Ion Ratio Lower Upper
240 100
120 6.9 4.6 6.8#
236 24.6 19.1 28.7



#20
Pyrene
Concen: 0.01 ng
RT: 19.05 min Scan# 1689
Delta R.T. -0.36 min
Lab File: BM001059.D
Acq: 18 Apr 2015 14:35

Tgt Ion:202 Resp: 423
Ion Ratio Lower Upper
202 100
200 22.9 16.3 24.5
203 18.9 13.8 20.6





#21

Terphenyl-d14

Concen: 6.95 ng

RT: 19.63 min Scan# 1737

Delta R.T. 0.00 min

Lab File: BM001059.D

Acq: 18 Apr 2015 14:35

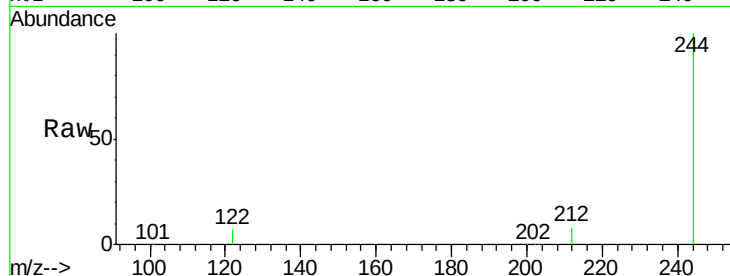
Tot Ion:244 Resp: 80234

Ion Ratio Lower Upper

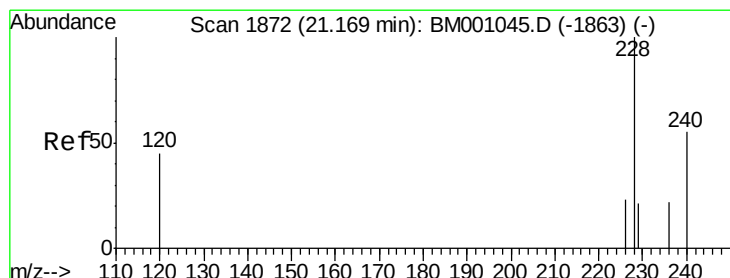
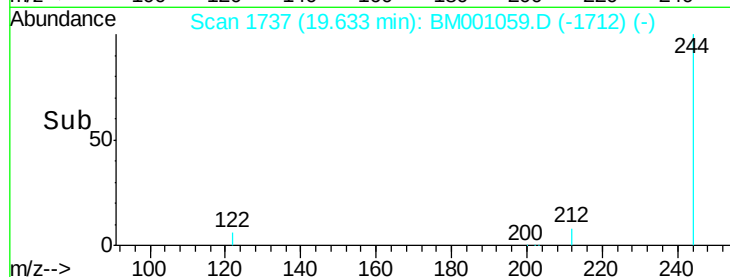
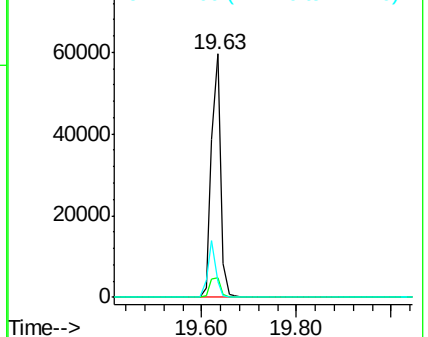
244 100

212 8.1 7.1 10.7

122 6.6 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: 0.03 ng

RT: 21.17 min Scan# 1872

Delta R.T. 0.00 min

Lab File: BM001059.D

Acq: 18 Apr 2015 14:35

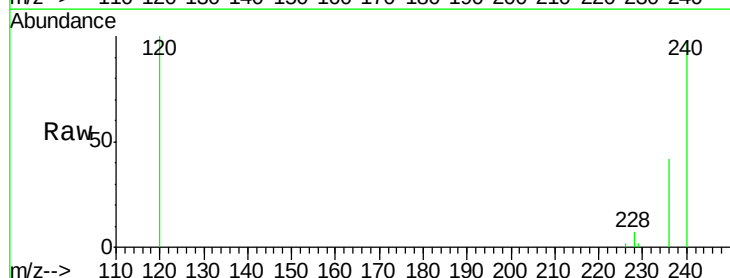
Tgt Ion:228 Resp: 705

Ion Ratio Lower Upper

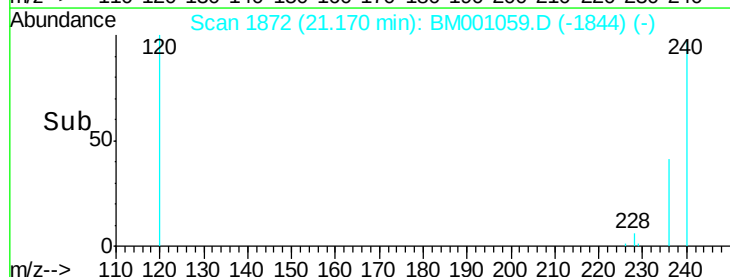
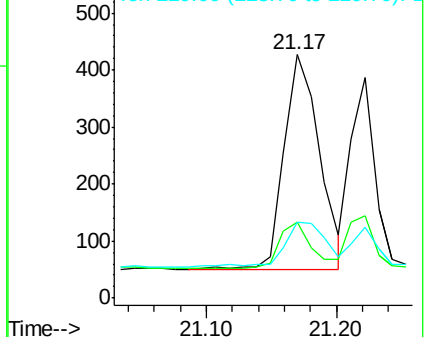
228 100

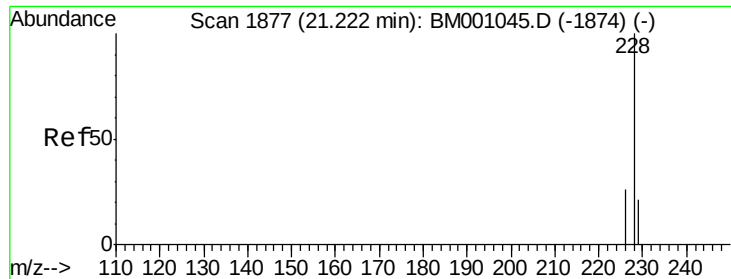
226 31.4 19.0 28.6#

229 31.4 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: 0.02 ng

RT: 21.22 min Scan# 1877

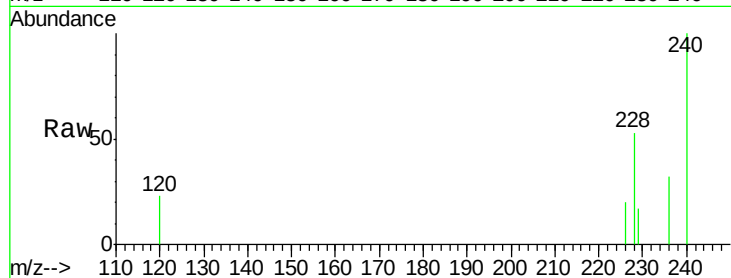
Delta R.T. 0.00 min

Lab File: BM001059.D

Acq: 18 Apr 2015 14:35

Tot Ion: 228 Resp: 425

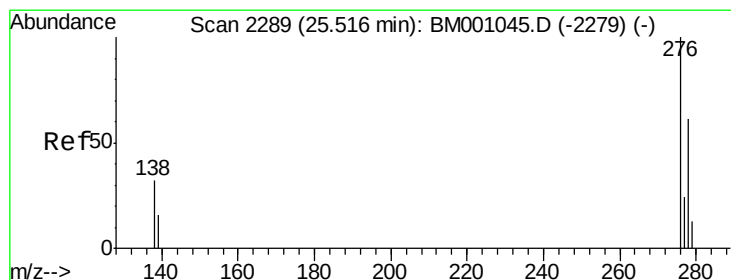
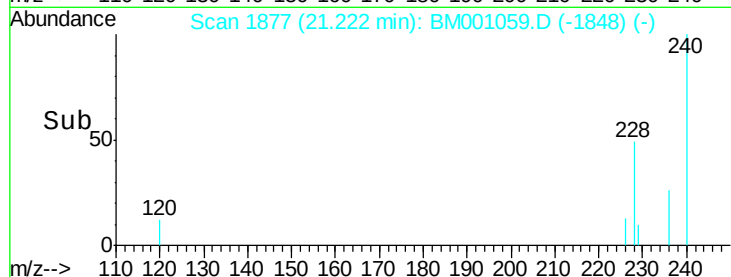
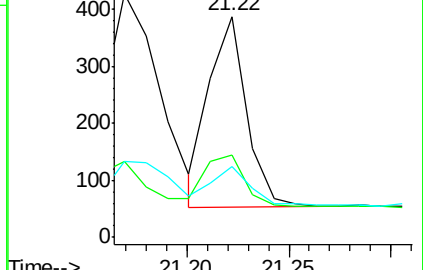
Ion	Ratio	Lower	Upper
228	100		
226	37.4	20.6	31.0#
229	32.2	17.2	25.8#



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: 0.02 ng

RT: 25.53 min Scan# 2290

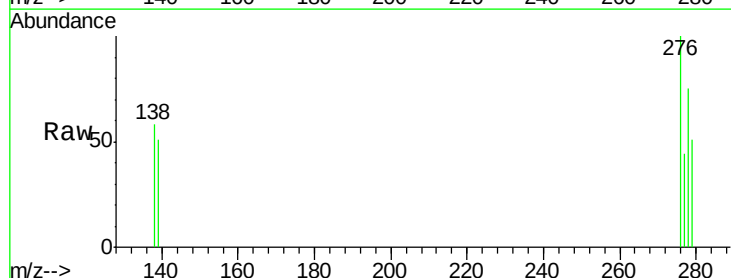
Delta R.T. 0.01 min

Lab File: BM001059.D

Acq: 18 Apr 2015 14:35

Tgt Ion: 276 Resp: 560

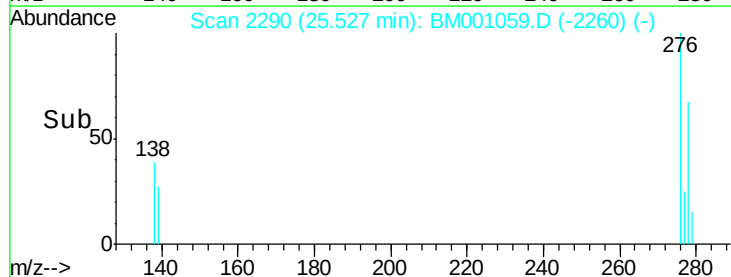
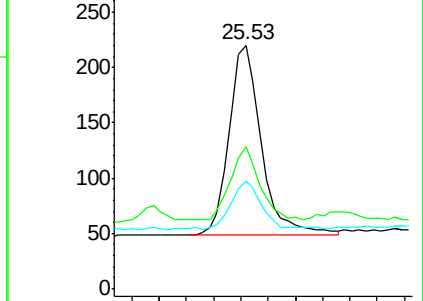
Ion	Ratio	Lower	Upper
276	100		
138	36.8	26.3	39.5
277	26.1	19.5	29.3

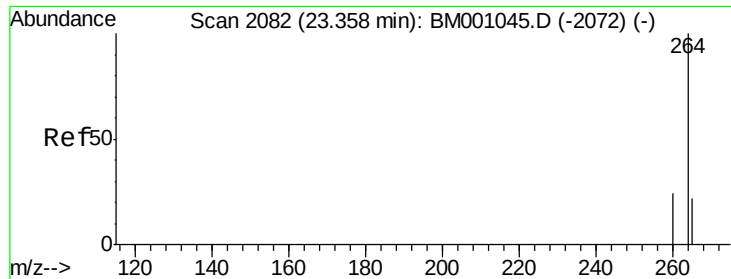


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

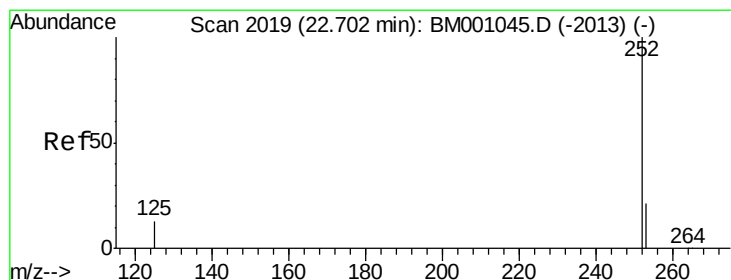
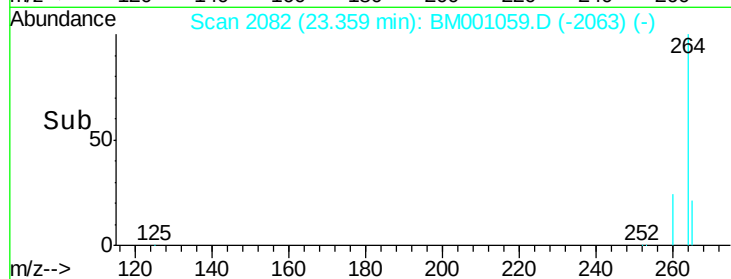
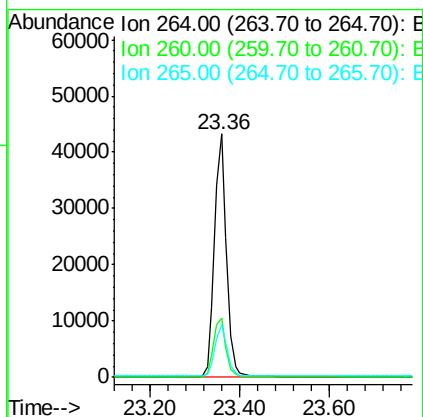
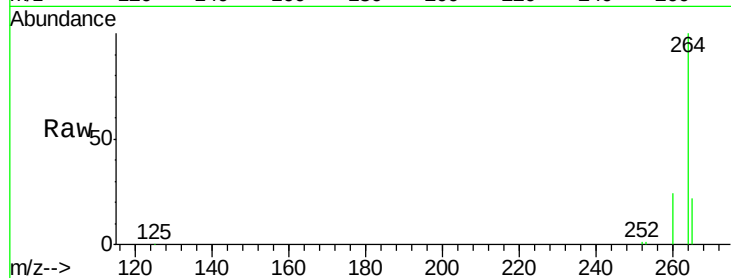
Ion 277.00 (276.70 to 277.70): E





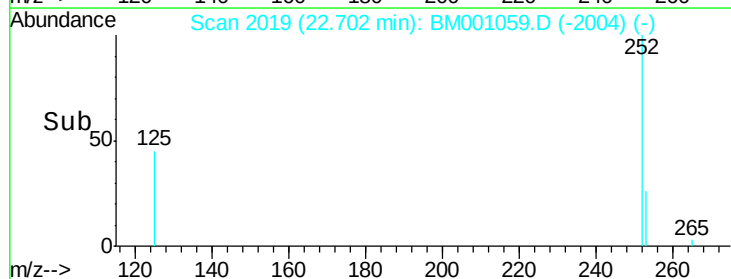
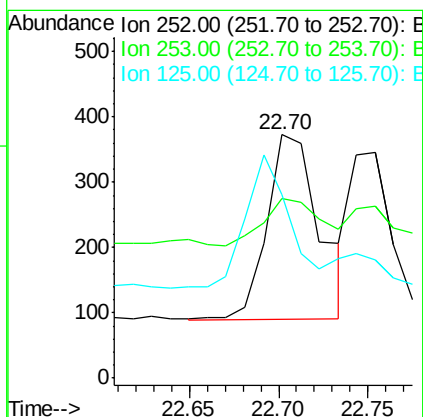
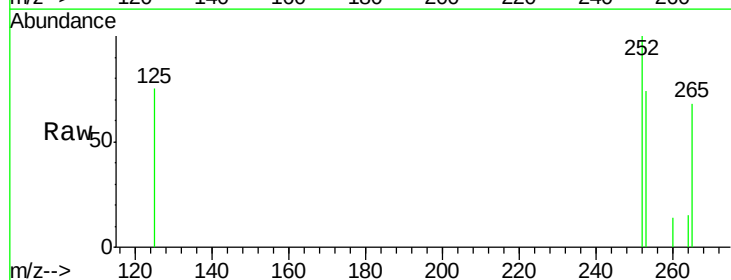
#25
Pervlene-d12
Concen: 5.00 ng
RT: 23.36 min Scan# 2082
Delta R.T. 0.00 min
Lab File: BM001059.D
Acq: 18 Apr 2015 14:35

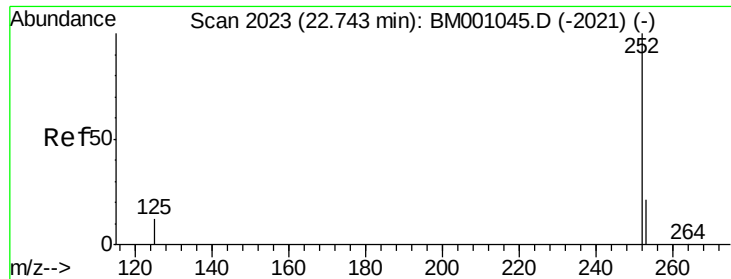
Tot Ion:264 Resp: 80864
Ion Ratio Lower Upper
264 100
260 24.2 19.0 28.6
265 21.8 17.9 26.9



#26
Benzo(b)fluoranthene
Concen: 0.02 ng
RT: 22.70 min Scan# 2019
Delta R.T. 0.00 min
Lab File: BM001059.D
Acq: 18 Apr 2015 14:35

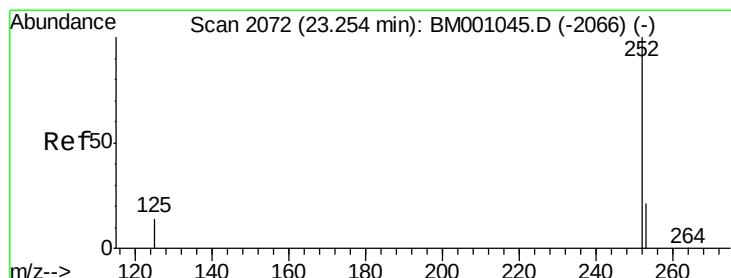
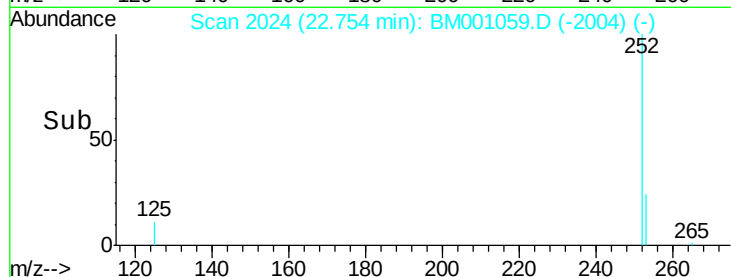
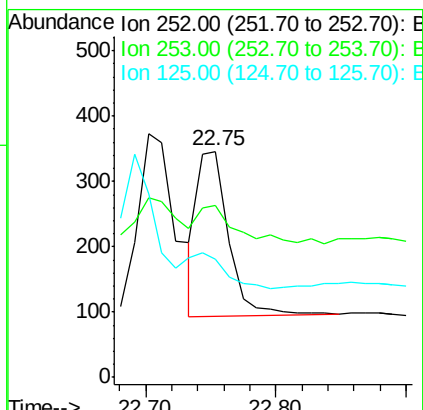
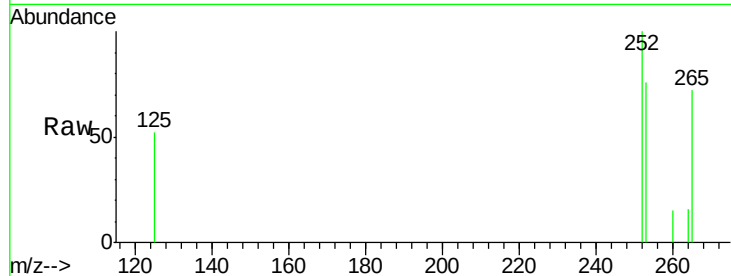
Tgt Ion:252 Resp: 580
Ion Ratio Lower Upper
252 100
253 74.0 18.2 27.2#
125 75.3 10.9 16.3#





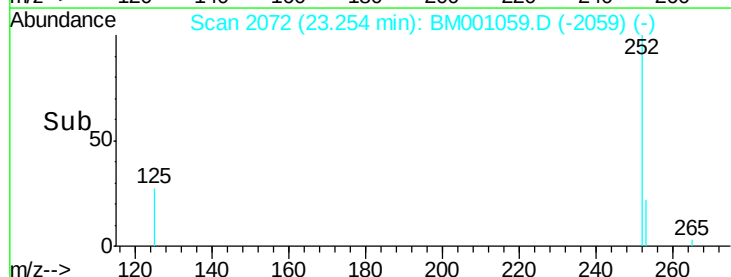
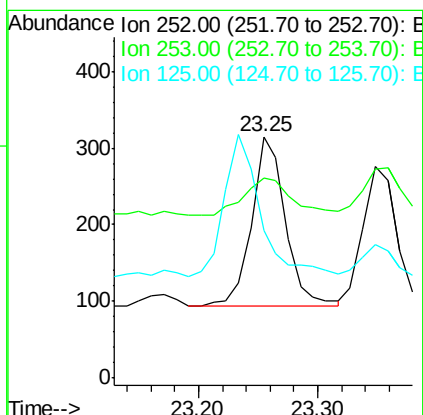
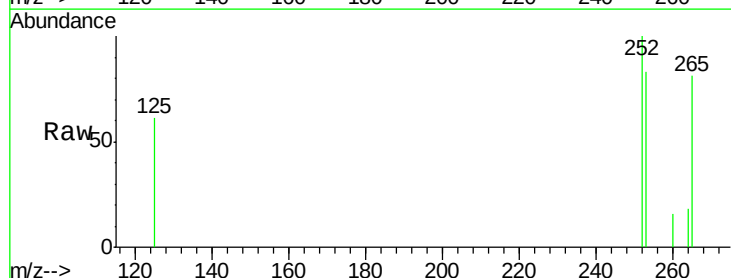
#27
Benzo(k)fluoranthene
Concen: 0.02 ng
RT: 22.75 min Scan# 2024
Delta R.T. 0.01 min
Lab File: BM001059.D
Acq: 18 Apr 2015 14:35

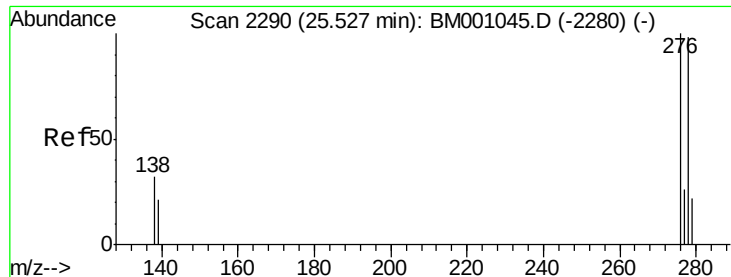
Tot Ion:252 Resp: 420
Ion Ratio Lower Upper
252 100
253 76.3 18.3 27.5#
125 52.3 10.6 15.8#



#28
Benzo(a)pyrene
Concen: 0.02 ng
RT: 23.25 min Scan# 2072
Delta R.T. 0.00 min
Lab File: BM001059.D
Acq: 18 Apr 2015 14:35

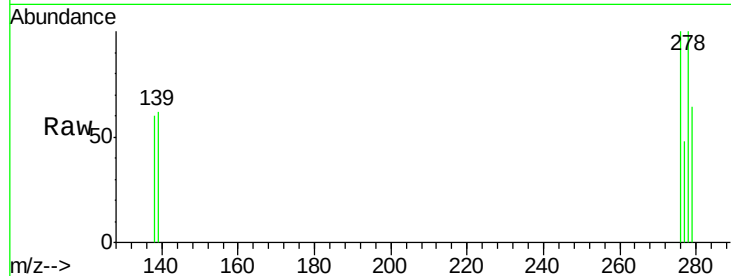
Tgt Ion:252 Resp: 442
Ion Ratio Lower Upper
252 100
253 82.9 18.6 27.8#
125 61.3 11.9 17.9#





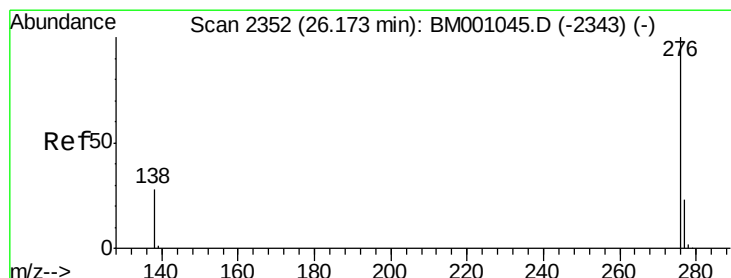
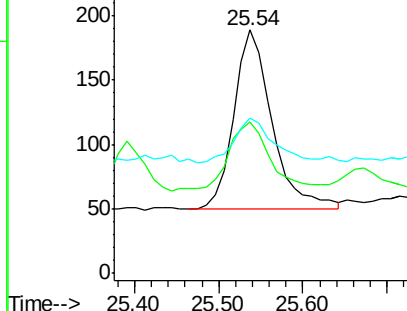
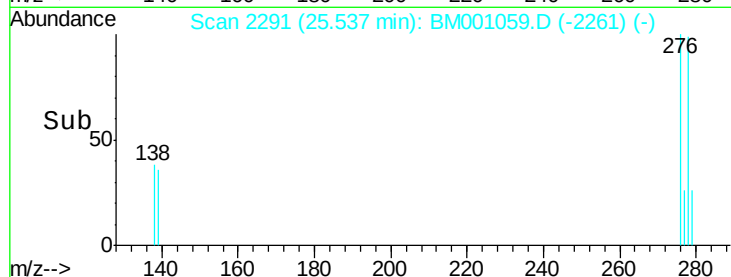
#29
Dibenzo(a,h)anthracene
Concen: 0.02 ng
RT: 25.54 min Scan# 2291
Delta R.T. 0.01 min
Lab File: BM001059.D
Acq: 18 Apr 2015 14:35

Tot Ion: 278 Resp: 440
Ion Ratio Lower Upper
278 100
139 62.4 18.2 27.2#
279 64.0 19.1 28.7#



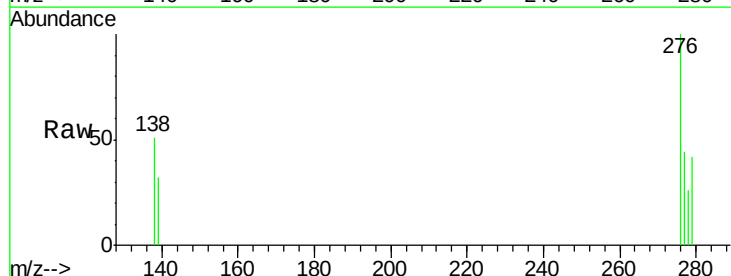
Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E

25.54



#30
Benzo(g,h,i)perylene
Concen: 0.02 ng
RT: 26.18 min Scan# 2353
Delta R.T. 0.01 min
Lab File: BM001059.D
Acq: 18 Apr 2015 14:35

Tgt Ion: 276 Resp: 499
Ion Ratio Lower Upper
276 100
277 44.4 19.0 28.4#
138 51.2 23.4 35.2#



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

26.18

