

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM041815\
 Data File : BM001041.D
 Acq On : 17 Apr 2015 22:08
 Operator : TP/IZ
 Sample : SSTDICC0.1
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: Apr 18 05:58:51 2015

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

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Sat Apr 18 05:45:49 2015

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.58	152	16286	5.00	ng	0.00
4) Naphthalene-d8	10.36	136	58053	5.00	ng	0.00
8) Acenaphthene-d10	14.24	164	30087	5.00	ng	0.00
13) Phenanthrene-d10	16.99	188	65552	5.00	ng	0.00
19) Chrysene-d12	21.19	240	55279	5.00	ng	0.00
25) Perylene-d12	23.36	264	50580	5.00	ng	0.00

System Monitoring Compounds

5) Nitrobenzene-d5	8.75	82	263	0.09	ng	0.01
9) 2-Fluorobiphenyl	12.86	172	980	0.10	ng	0.00
21) Terphenyl-d14	19.63	244	723	0.11	ng	0.00

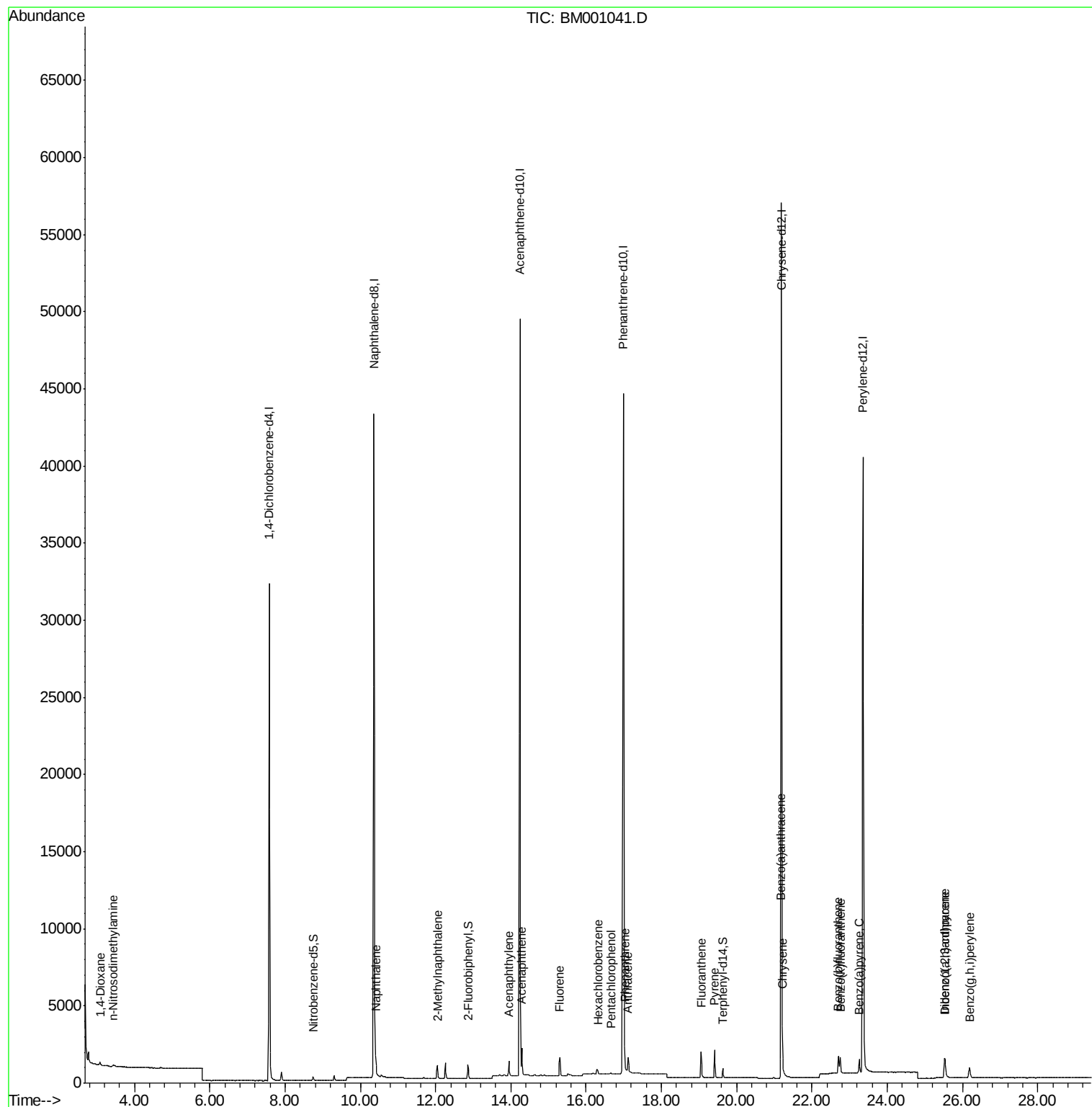
Target Compounds

						Qvalue
2) 1,4-Dioxane	3.08	88	1084	0.79	ng	# 100
3) n-Nitrosodimethylamine	3.44	42	205	0.13	ng	# 70
6) Naphthalene	10.41	128	1396	0.10	ng	# 88
7) 2-Methylnaphthalene	12.05	142	858	0.10	ng	# 94
10) Acenaphthylene	13.95	152	1192	0.09	ng	99
11) Acenaphthene	14.29	154	1018	0.11	ng	91
12) Fluorene	15.30	166	1044	0.10	ng	100
14) Hexachlorobenzene	16.31	284	361	0.10	ng	# 100
15) Pentachlorophenol	16.66	266	69	0.07	ng	# 75
16) Phenanthrene	17.03	178	1761	0.10	ng	97
17) Anthracene	17.11	178	1458	0.10	ng	98
18) Fluoranthene	19.05	202	1758	0.10	ng	99
20) Pyrene	19.42	202	1802	0.10	ng	99
22) Benzo(a)anthracene	21.17	228	1695	0.11	ng	94
23) Chrysene	21.22	228	1637	0.10	ng	95
24) Indeno(1,2,3-cd)pyrene	25.53	276	1671	0.10	ng	100
26) Benzo(b)fluoranthene	22.70	252	1661	0.10	ng	# 76
27) Benzo(k)fluoranthene	22.75	252	1424	0.09	ng	# 73
28) Benzo(a)pyrene	23.25	252	1325	0.10	ng	# 69
29) Dibenzo(a,h)anthracene	25.54	278	1303	0.10	ng	# 78
30) Benzo(g,h,i)perylene	26.18	276	1480	0.10	ng	# 85

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

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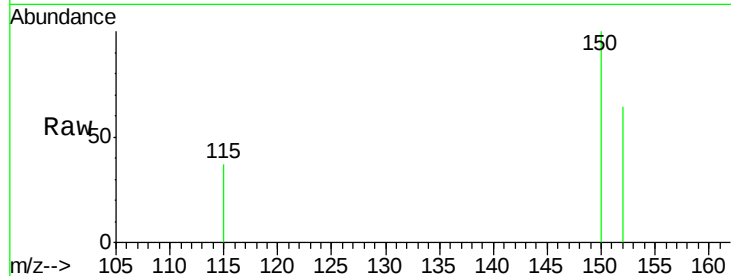




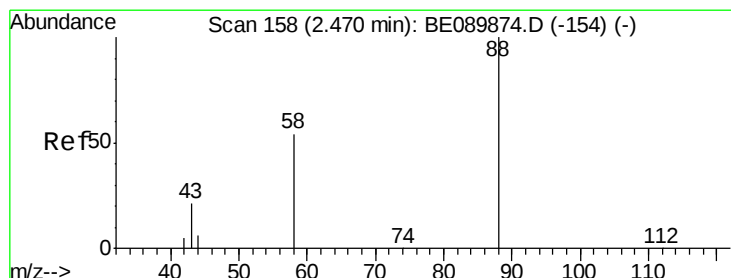
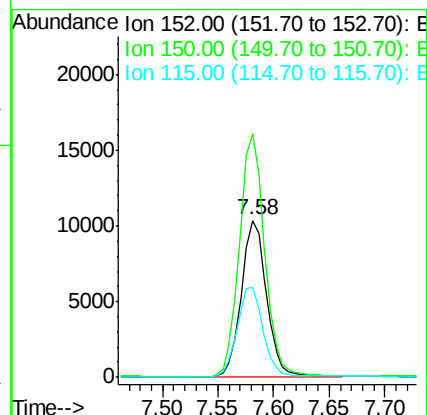
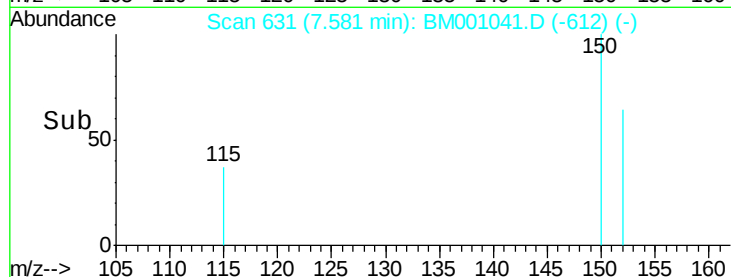
#1

1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.58 min Scan# 631
Delta R.T. 0.00 min
Lab File: BM001041.D
Acq: 17 Apr 2015 22:08

Tgt Ion: 152 Resp: 16286
Ion Ratio Lower Upper
152 100
150 155.0 123.3 184.9
115 57.2 45.0 67.6



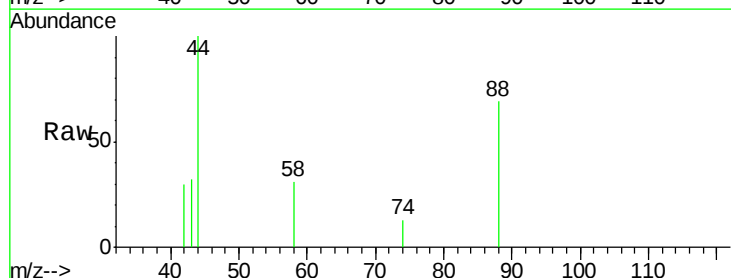
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



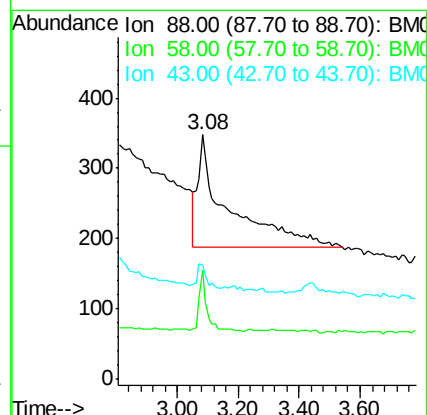
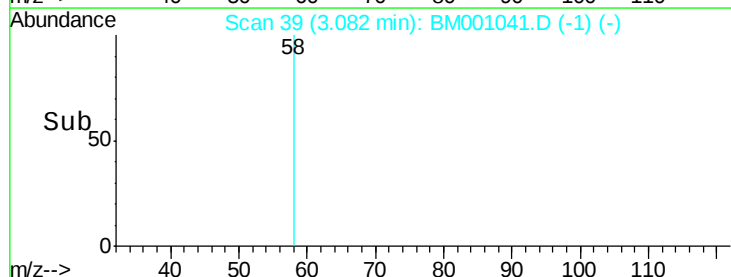
#2

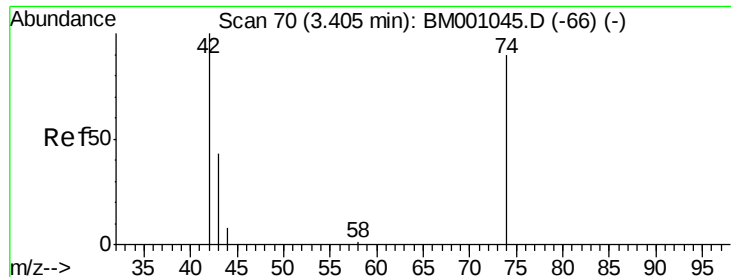
1,4-Dioxane
Concen: 0.79 ng
RT: 3.08 min Scan# 39
Delta R.T. 0.00 min
Lab File: BM001041.D
Acq: 17 Apr 2015 22:08

Tgt Ion: 88 Resp: 1084
Ion Ratio Lower Upper
88 100
58 14.2 0.0 0.0#
43 6.5 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: 0.13 ng

RT: 3.44 min Scan# 73

Delta R.T. 0.03 min

Lab File: BM001041.D

Acq: 17 Apr 2015 22:08

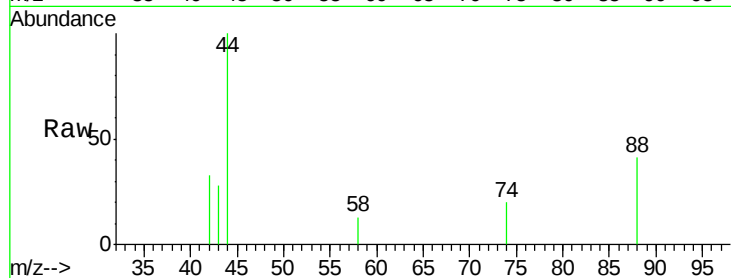
Tgt Ion: 42 Resp: 205

Ion Ratio Lower Upper

42 100

74 81.0 92.1 138.1#

44 3.9 5.8 8.6#

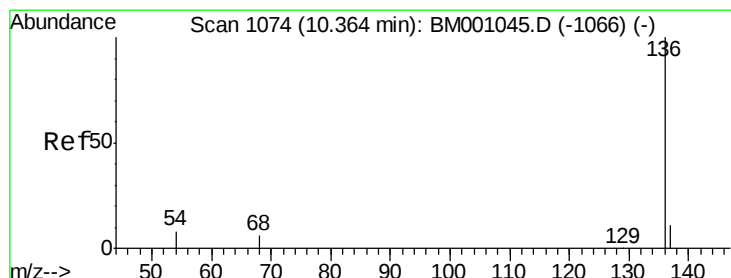
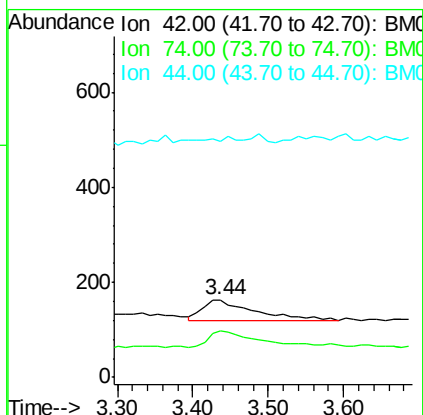
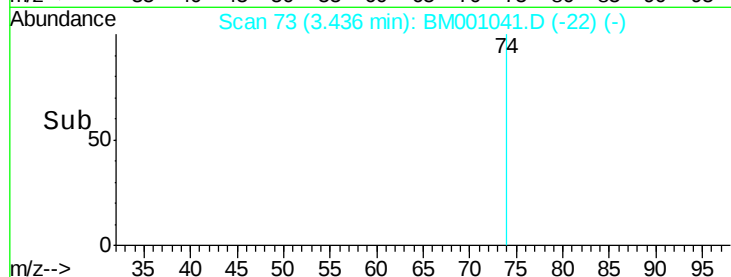


Abundance Ion 42.00 (41.70 to 42.70): BM001041.D (-66) (-)

Ion 74.00 (73.70 to 74.70): BM001041.D (-66) (-)

Ion 44.00 (43.70 to 44.70): BM001041.D (-66) (-)

Time-->



#4

Naphthalene-d8

Concen: 5.00 ng

RT: 10.36 min Scan# 1074

Delta R.T. 0.00 min

Lab File: BM001041.D

Acq: 17 Apr 2015 22:08

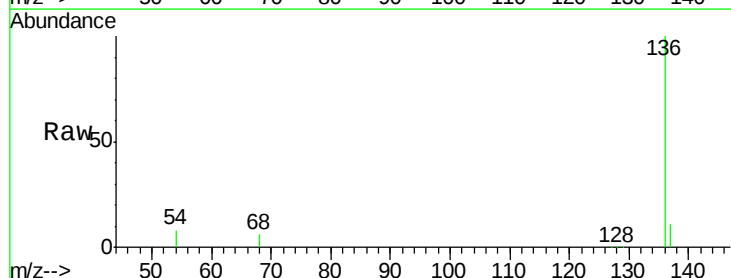
Tgt Ion: 136 Resp: 58053

Ion Ratio Lower Upper

136 100

137 10.8 8.6 13.0

54 8.5 6.5 9.7

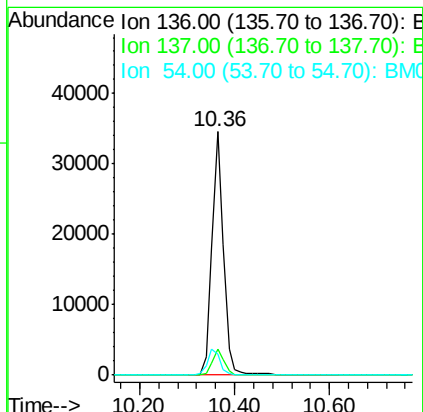
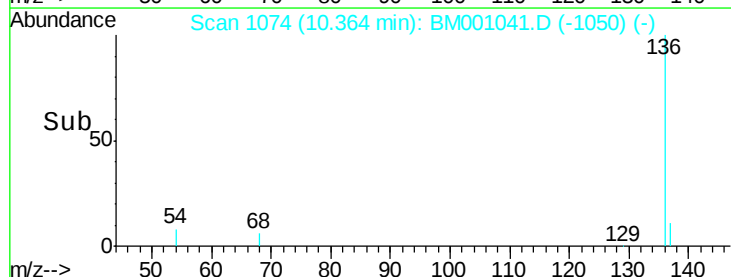


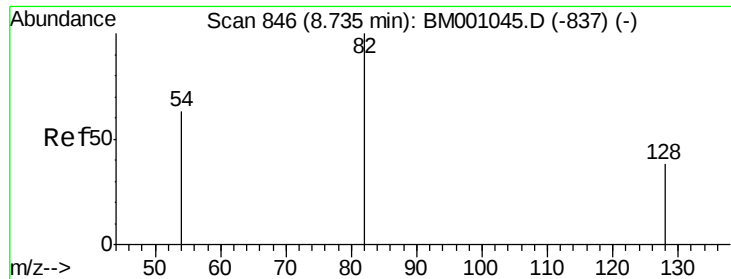
Abundance Ion 136.00 (135.70 to 136.70): BM001041.D (-1066) (-)

Ion 137.00 (136.70 to 137.70): BM001041.D (-1066) (-)

Ion 54.00 (53.70 to 54.70): BM001041.D (-1066) (-)

Time-->





#5

Nitrobenzene-d5

Concen: 0.09 ng

RT: 8.75 min Scan# 848

Delta R.T. 0.01 min

Lab File: BM001041.D

Acq: 17 Apr 2015 22:08

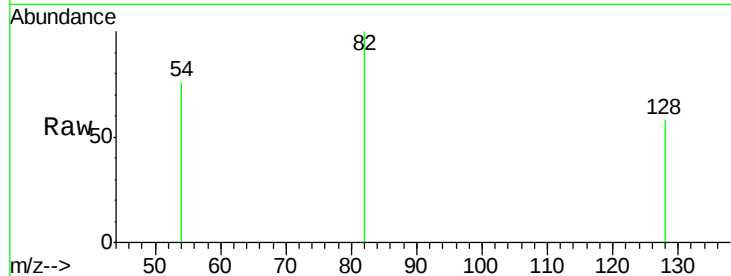
Tgt Ion: 82 Resp: 263

Ion Ratio Lower Upper

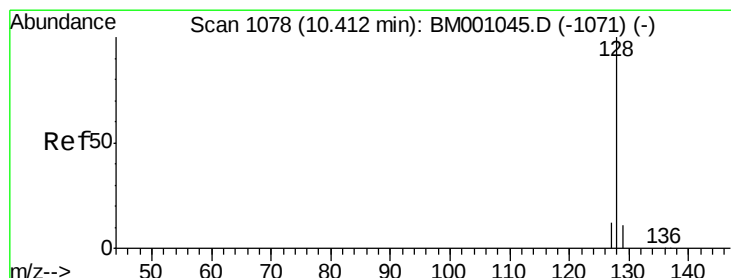
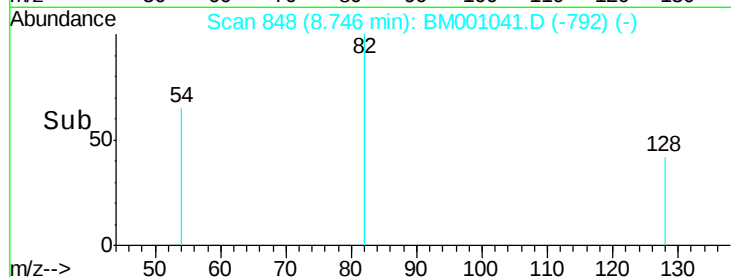
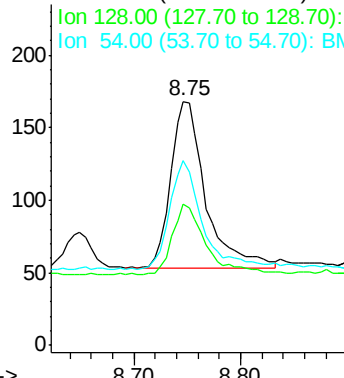
82 100

128 57.7 31.9 47.9#

54 75.6 51.3 76.9



Abundance Ion 82.00 (81.70 to 82.70): BM001041.D (-837) (-)



#6

Naphthalene

Concen: 0.10 ng

RT: 10.41 min Scan# 1078

Delta R.T. 0.00 min

Lab File: BM001041.D

Acq: 17 Apr 2015 22:08

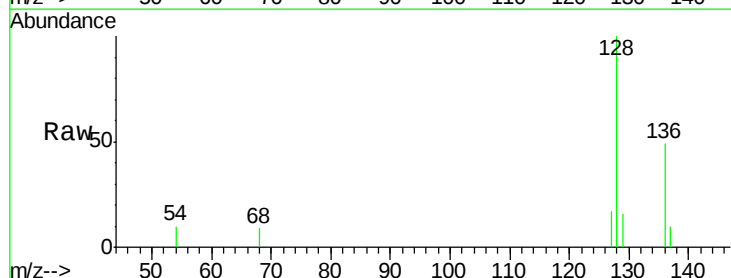
Tgt Ion: 128 Resp: 1396

Ion Ratio Lower Upper

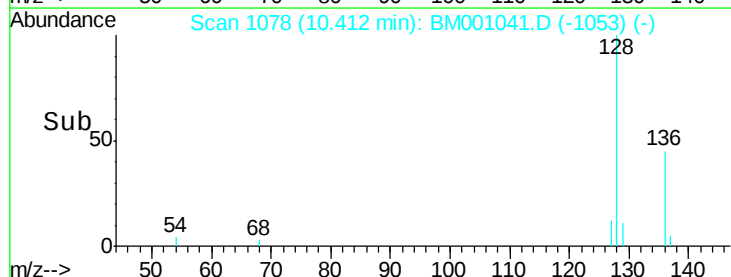
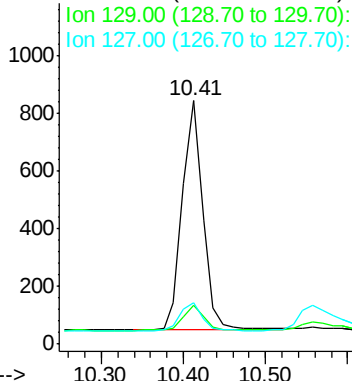
128 100

129 16.1 9.3 13.9#

127 17.3 10.0 15.0#



Abundance Ion 128.00 (127.70 to 128.70): BM001041.D (-1071) (-)





#7

2-Methylnaphthalene

Concen: 0.10 ng

RT: 12.05 min Scan# 1225

Delta R.T. 0.01 min

Lab File: BM001041.D

Acq: 17 Apr 2015 22:08

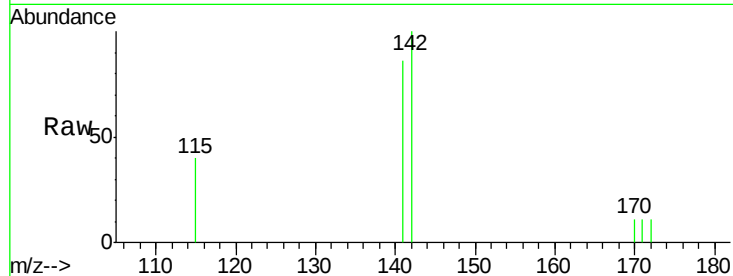
Tgt Ion:142 Resp: 858

Ion Ratio Lower Upper

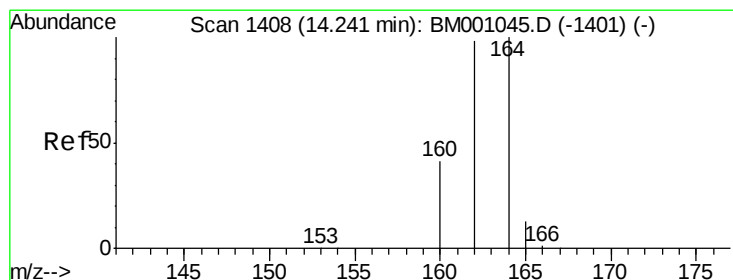
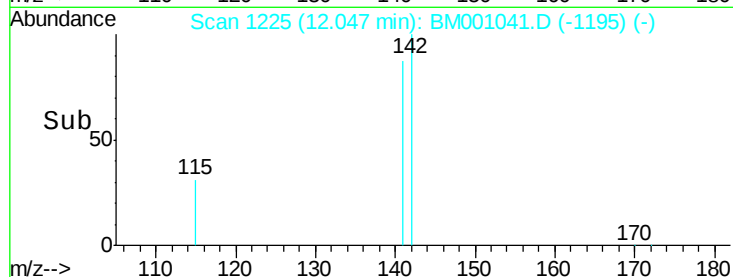
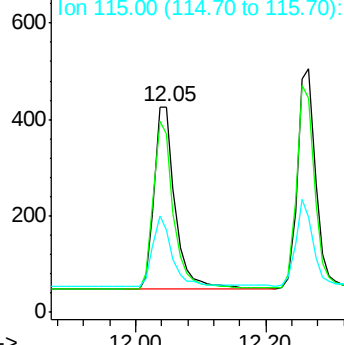
142 100

141 86.4 66.7 100.1

115 40.0 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: BM001041.D

Acq: 17 Apr 2015 22:08

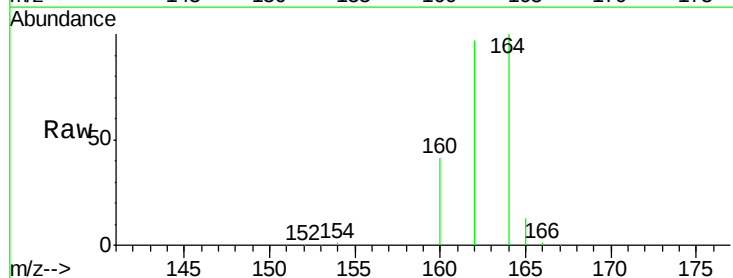
Tgt Ion:164 Resp: 30087

Ion Ratio Lower Upper

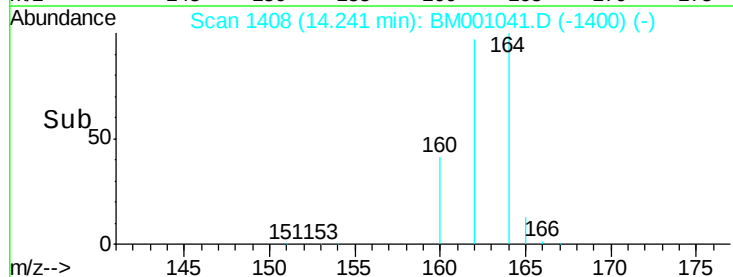
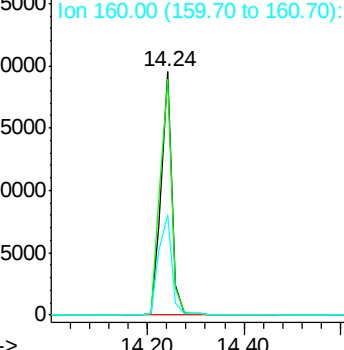
164 100

162 96.7 78.5 117.7

160 41.0 32.9 49.3



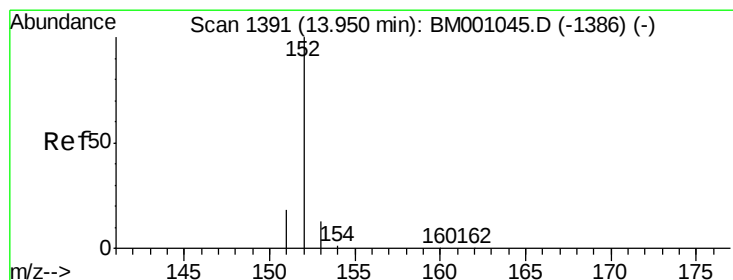
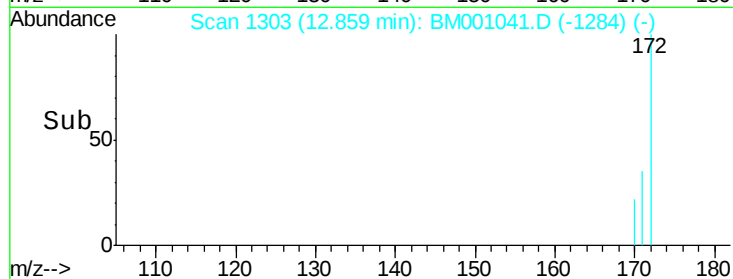
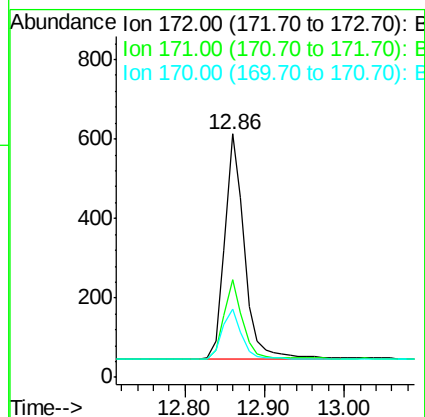
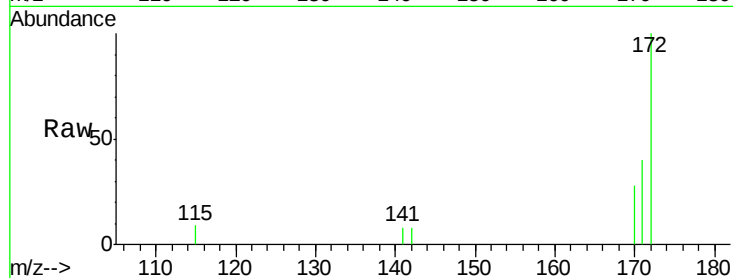
Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E





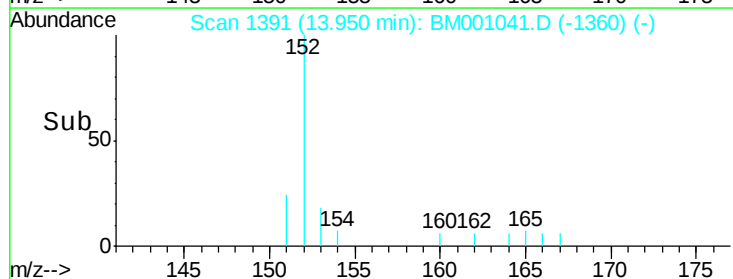
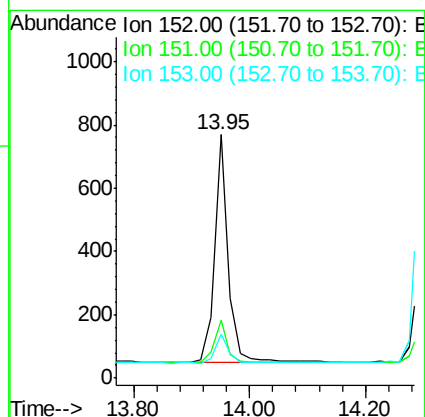
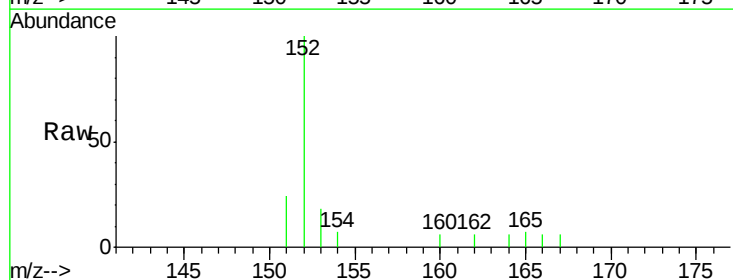
#9
2-Fluorobiphenyl
Concen: 0.10 ng
RT: 12.86 min Scan# 1303
Delta R.T. 0.00 min
Lab File: BM001041.D
Acq: 17 Apr 2015 22:08

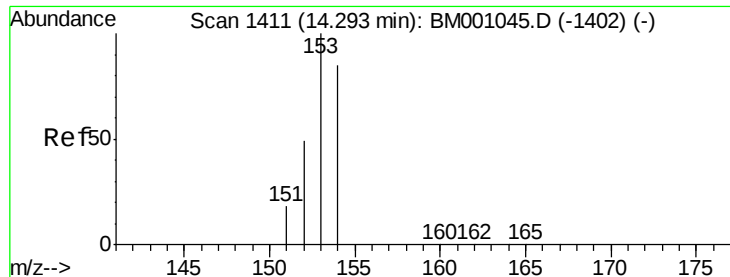
Tgt Ion:172 Resp: 980
Ion Ratio Lower Upper
172 100
171 40.3 25.6 38.4#
170 27.9 15.8 23.6#



#10
Acenaphthylene
Concen: 0.09 ng
RT: 13.95 min Scan# 1391
Delta R.T. 0.00 min
Lab File: BM001041.D
Acq: 17 Apr 2015 22:08

Tgt Ion:152 Resp: 1192
Ion Ratio Lower Upper
152 100
151 18.5 14.7 22.1
153 13.2 10.2 15.2





#11

Acenaphthene

Concen: 0.11 ng

RT: 14.29 min Scan# 1411

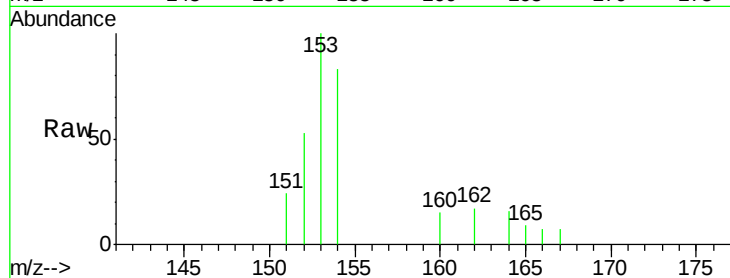
Delta R.T. 0.00 min

Lab File: BM001041.D

Acq: 17 Apr 2015 22:08

Tgt Ion:154 Resp: 1018

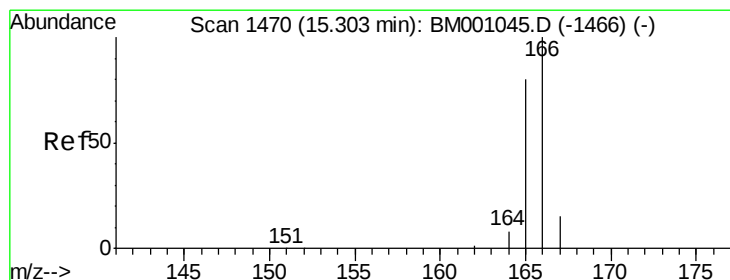
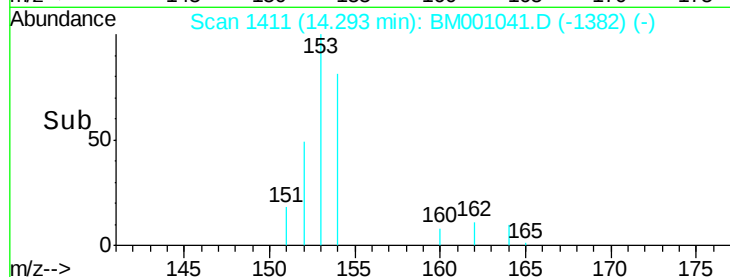
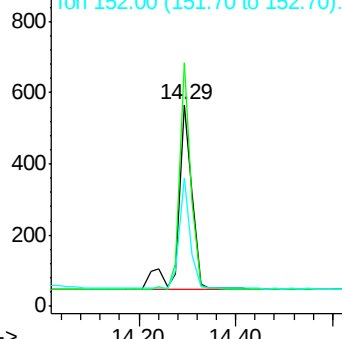
Ion	Ratio	Lower	Upper
154	100		
153	100.1	88.1	132.1
152	47.9	42.3	63.5



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: 0.10 ng

RT: 15.30 min Scan# 1470

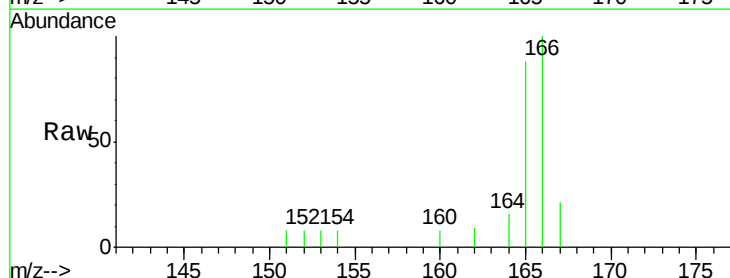
Delta R.T. 0.00 min

Lab File: BM001041.D

Acq: 17 Apr 2015 22:08

Tgt Ion:166 Resp: 1044

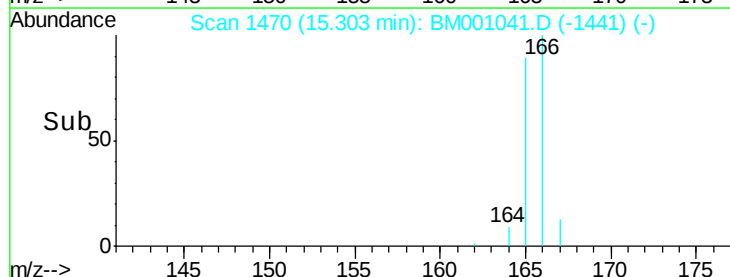
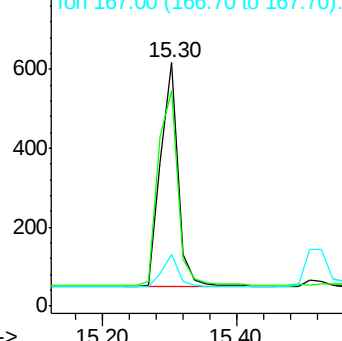
Ion	Ratio	Lower	Upper
166	100		
165	97.3	77.6	116.4
167	13.8	10.6	16.0

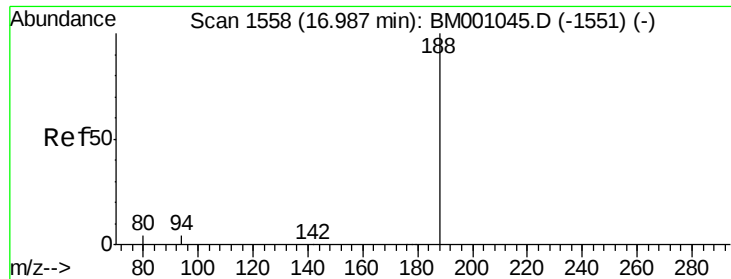


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

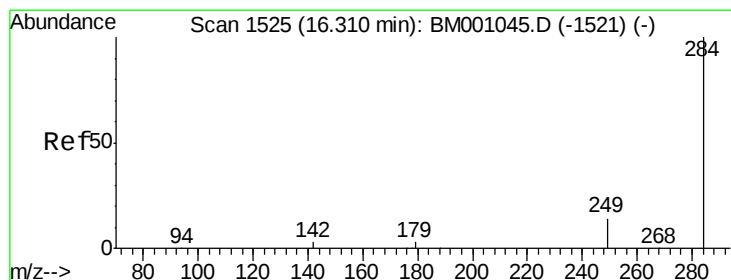
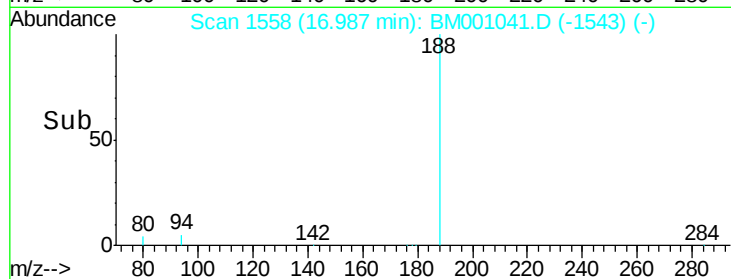
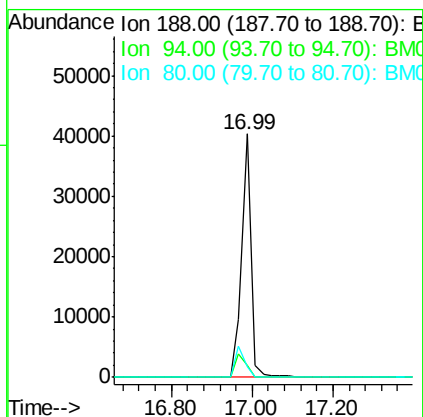
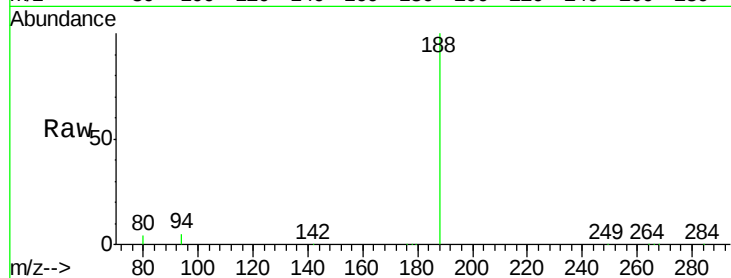
Ion 167.00 (166.70 to 167.70): E





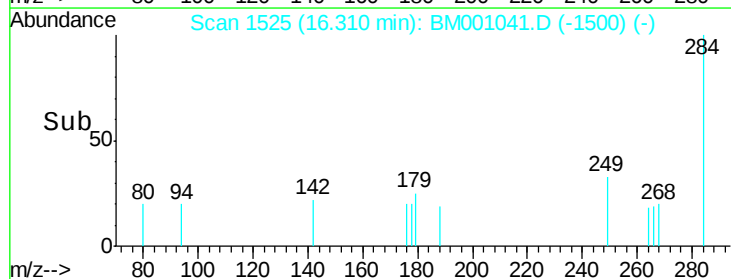
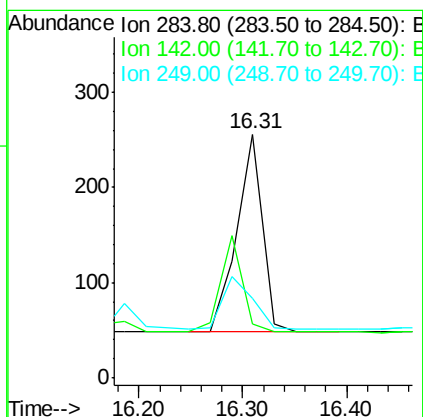
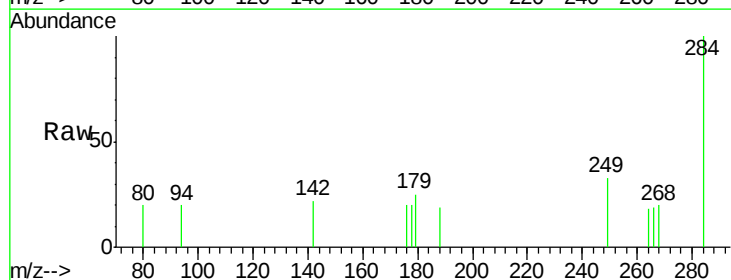
#13
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.99 min Scan# 1558
Delta R.T. 0.00 min
Lab File: BM001041.D
Acq: 17 Apr 2015 22:08

Tgt Ion:188 Resp: 65552
Ion Ratio Lower Upper
188 100
94 4.9 3.6 5.4
80 4.4 3.0 4.6



#14
Hexachlorobenzene
Concen: 0.10 ng
RT: 16.31 min Scan# 1525
Delta R.T. 0.00 min
Lab File: BM001041.D
Acq: 17 Apr 2015 22:08

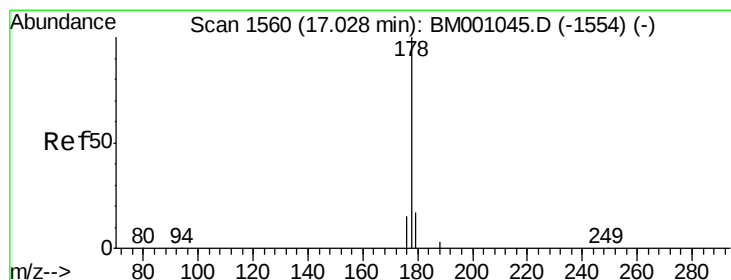
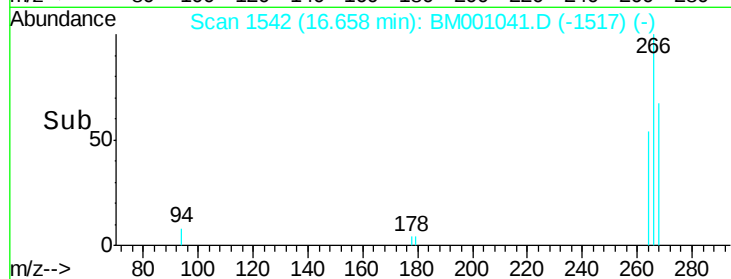
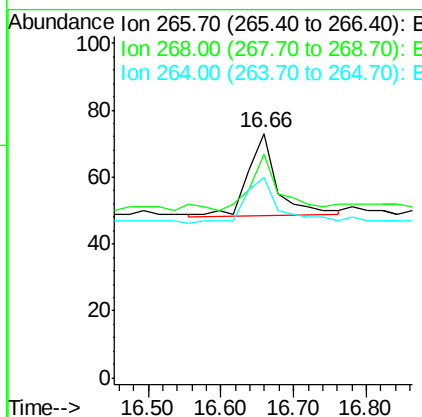
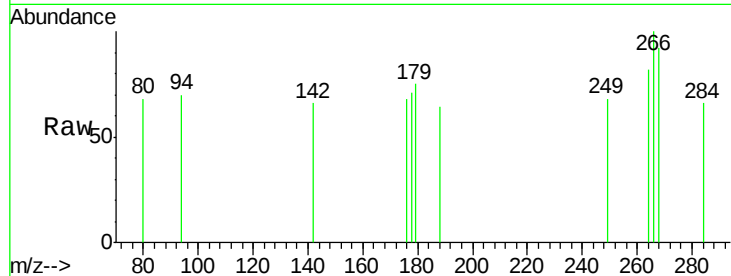
Tgt Ion:284 Resp: 361
Ion Ratio Lower Upper
284 100
142 0.0 0.0 0.0
249 0.0 0.0 0.0





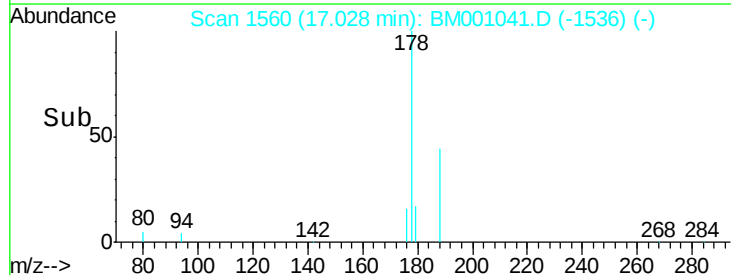
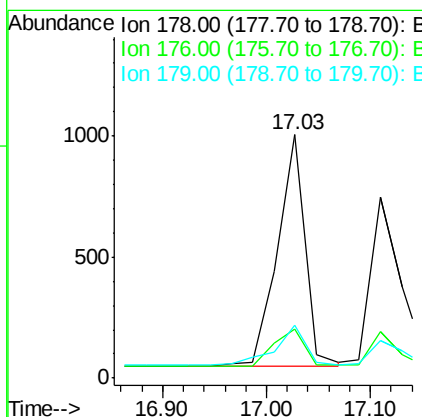
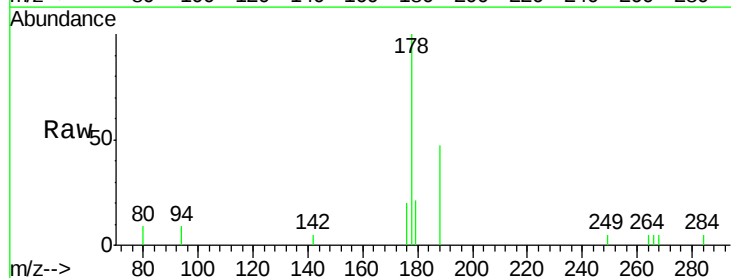
#15
 Pentachlorophenol
 Concen: 0.07 ng
 RT: 16.66 min Scan# 1542
 Delta R.T. 0.02 min
 Lab File: BM001041.D
 Acq: 17 Apr 2015 22:08

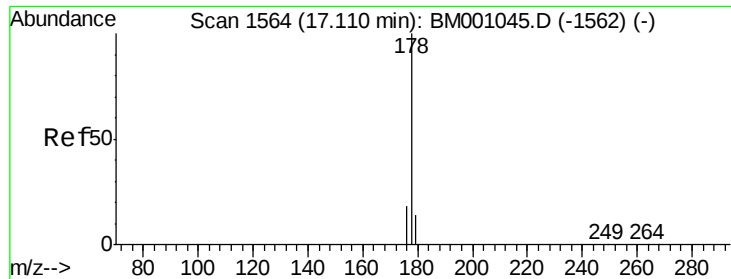
Tgt Ion: 266 Resp: 69
 Ion Ratio Lower Upper
 266 100
 268 91.8 46.3 69.5#
 264 82.2 59.8 89.6



#16
 Phenanthrene
 Concen: 0.10 ng
 RT: 17.03 min Scan# 1560
 Delta R.T. 0.00 min
 Lab File: BM001041.D
 Acq: 17 Apr 2015 22:08

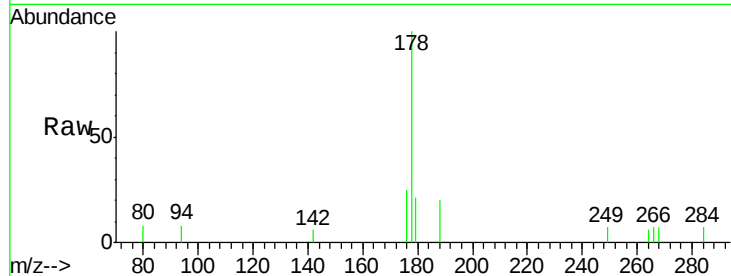
Tgt Ion: 178 Resp: 1761
 Ion Ratio Lower Upper
 178 100
 176 19.0 14.6 22.0
 179 18.1 12.6 19.0



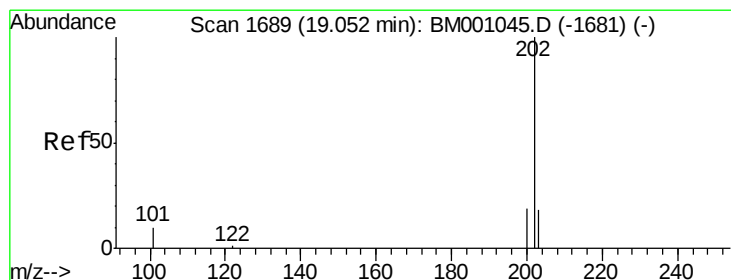
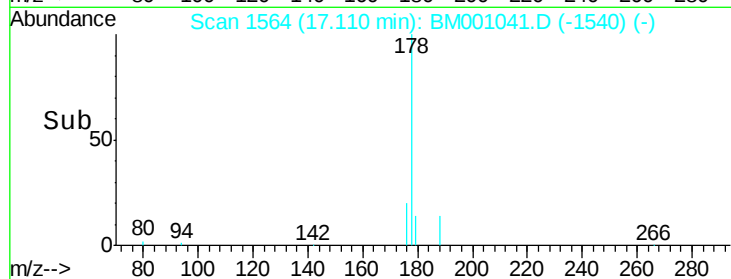
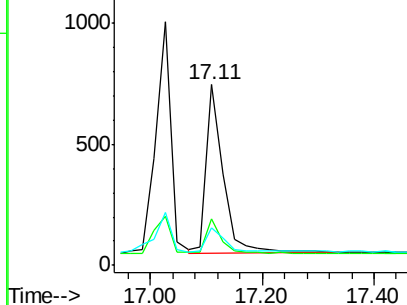


#17
 Anthracene
 Concen: 0.10 ng
 RT: 17.11 min Scan# 1564
 Delta R.T. 0.00 min
 Lab File: BM001041.D
 Acq: 17 Apr 2015 22:08

Tgt Ion:178 Resp: 1458
 Ion Ratio Lower Upper
 178 100
 176 18.6 14.3 21.5
 179 15.8 11.8 17.8

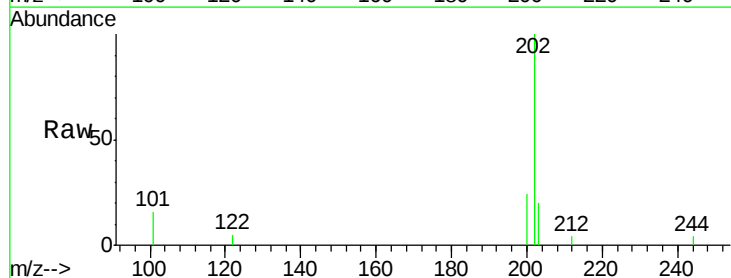


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

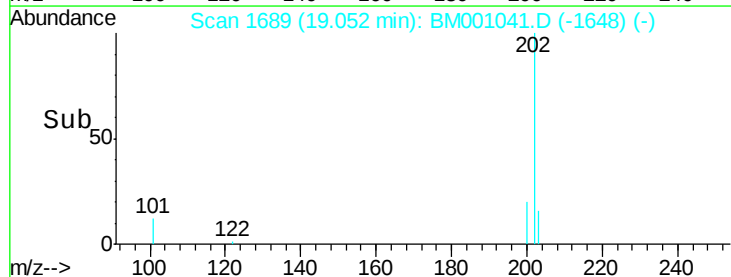
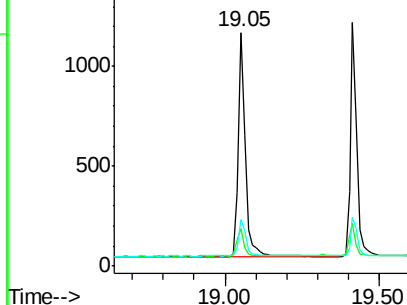


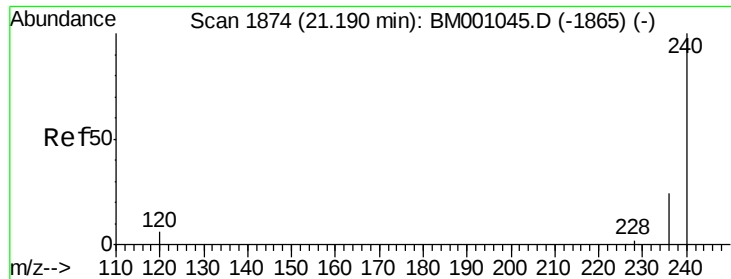
#18
 Fluoranthene
 Concen: 0.10 ng
 RT: 19.05 min Scan# 1689
 Delta R.T. 0.00 min
 Lab File: BM001041.D
 Acq: 17 Apr 2015 22:08

Tgt Ion:202 Resp: 1758
 Ion Ratio Lower Upper
 202 100
 101 11.9 10.1 15.1
 203 17.3 13.8 20.8



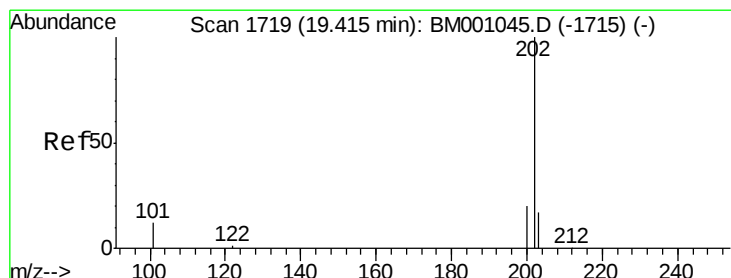
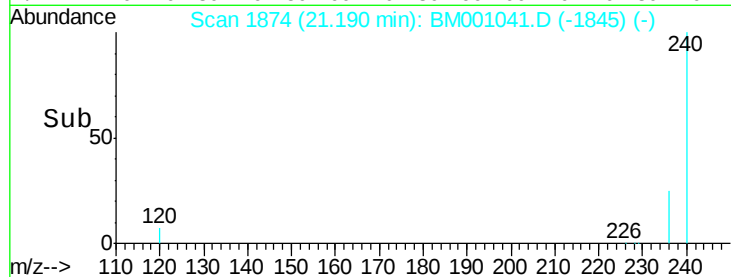
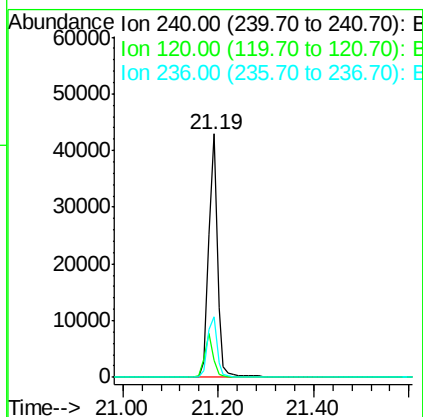
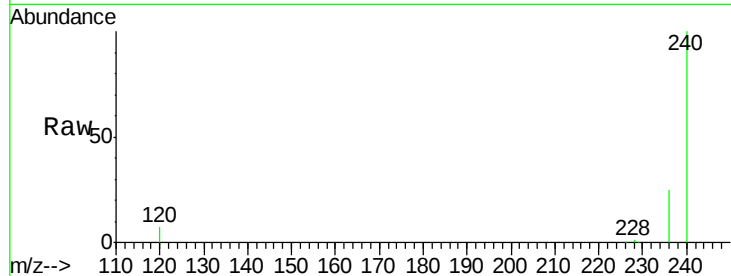
Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E





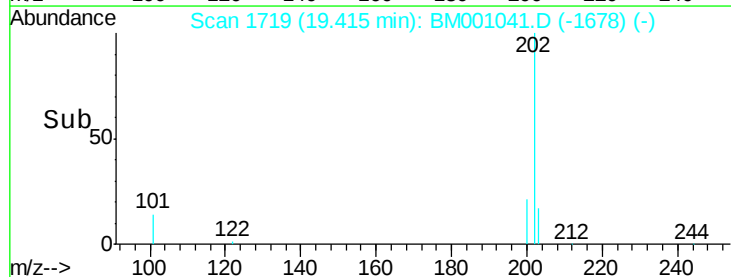
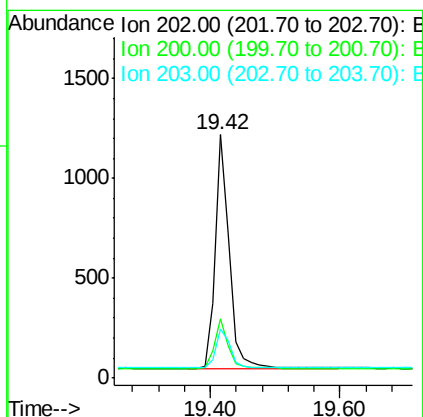
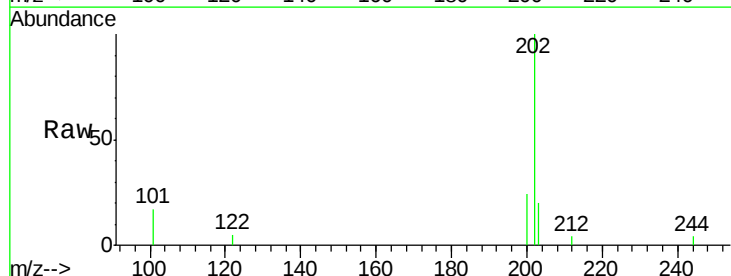
#19
Chrysene-d12
Concen: 5.00 ng
RT: 21.19 min Scan# 1874
Delta R.T. 0.00 min
Lab File: BM001041.D
Acq: 17 Apr 2015 22:08

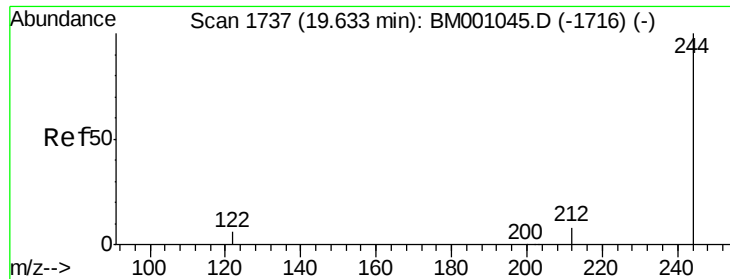
Tgt Ion:240 Resp: 55279
Ion Ratio Lower Upper
240 100
120 7.2 4.6 6.8#
236 24.8 19.1 28.7



#20
Pyrene
Concen: 0.10 ng
RT: 19.42 min Scan# 1719
Delta R.T. 0.00 min
Lab File: BM001041.D
Acq: 17 Apr 2015 22:08

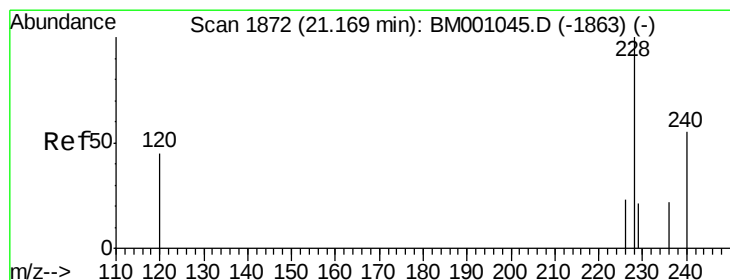
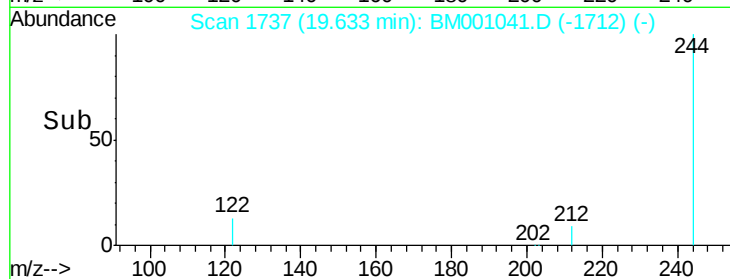
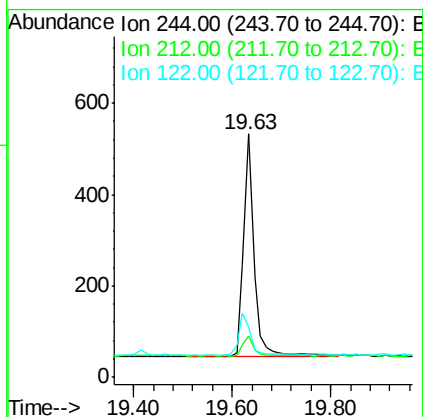
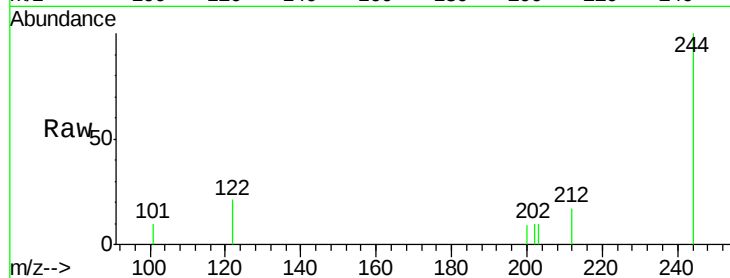
Tgt Ion:202 Resp: 1802
Ion Ratio Lower Upper
202 100
200 20.1 16.3 24.5
203 17.6 13.8 20.6





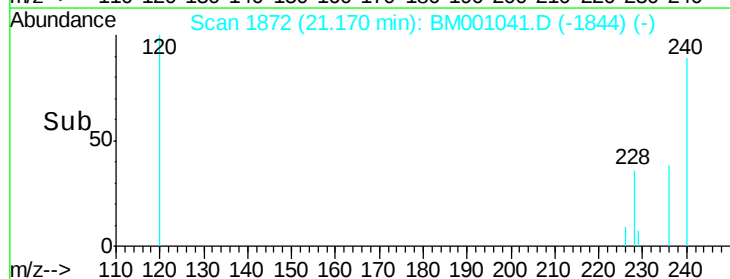
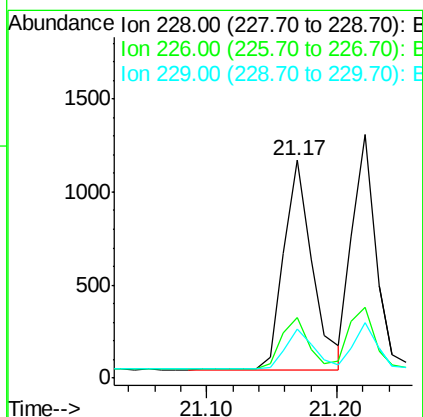
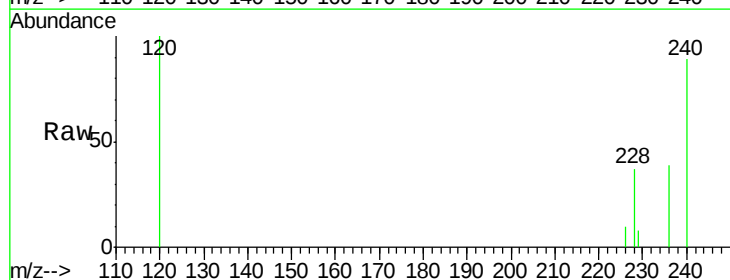
#21
 Terphenyl-d14
 Concen: 0.11 ng
 RT: 19.63 min Scan# 1737
 Delta R.T. 0.00 min
 Lab File: BM001041.D
 Acq: 17 Apr 2015 22:08

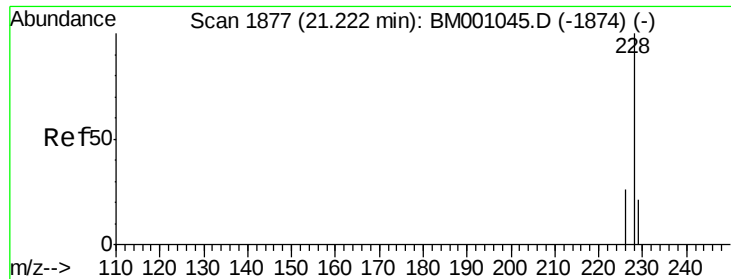
Tgt Ion: 244 Resp: 723
 Ion Ratio Lower Upper
 244 100
 212 16.9 7.1 10.7#
 122 20.6 5.9 8.9#



#22
 Benzo(a)anthracene
 Concen: 0.11 ng
 RT: 21.17 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: BM001041.D
 Acq: 17 Apr 2015 22:08

Tgt Ion: 228 Resp: 1695
 Ion Ratio Lower Upper
 228 100
 226 27.9 19.0 28.6
 229 22.4 16.8 25.2





#23

Chrysene

Concen: 0.10 ng

RT: 21.22 min Scan# 1877

Delta R.T. 0.00 min

Lab File: BM001041.D

Acq: 17 Apr 2015 22:08

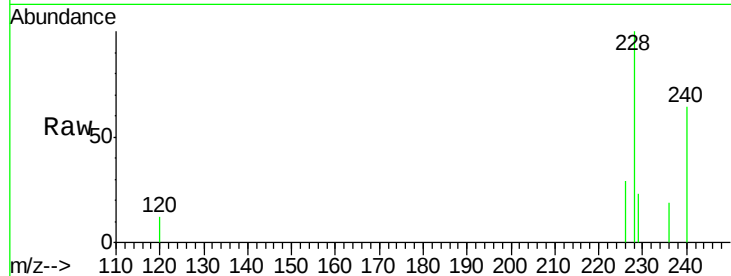
Tgt Ion: 228 Resp: 1637

Ion Ratio Lower Upper

228 100

226 29.4 20.6 31.0

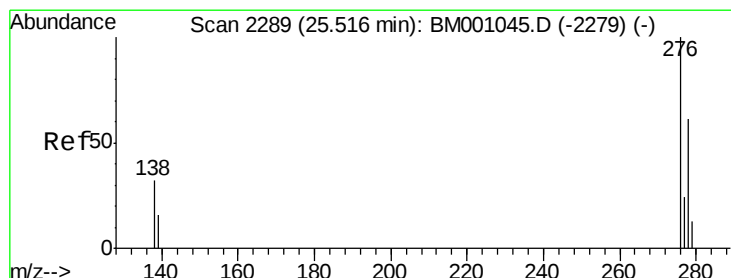
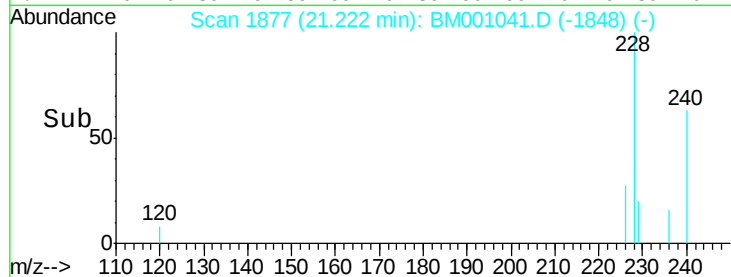
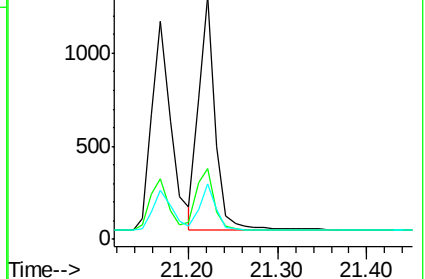
229 23.0 17.2 25.8



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: 0.10 ng

RT: 25.53 min Scan# 2290

Delta R.T. 0.01 min

Lab File: BM001041.D

Acq: 17 Apr 2015 22:08

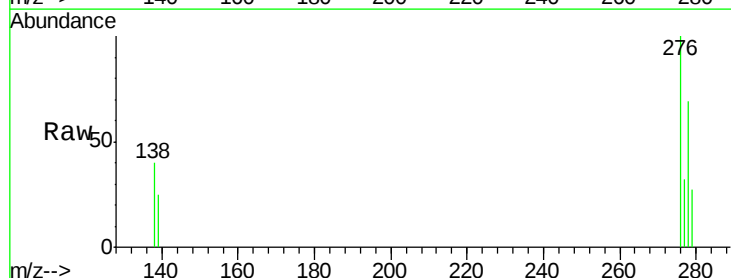
Tgt Ion: 276 Resp: 1671

Ion Ratio Lower Upper

276 100

138 32.6 26.3 39.5

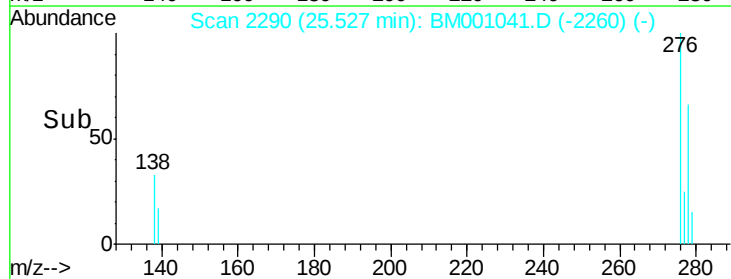
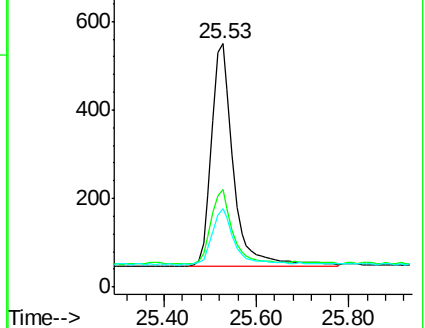
277 24.4 19.5 29.3

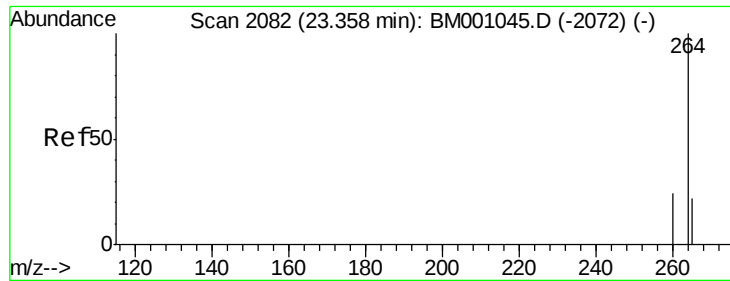


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

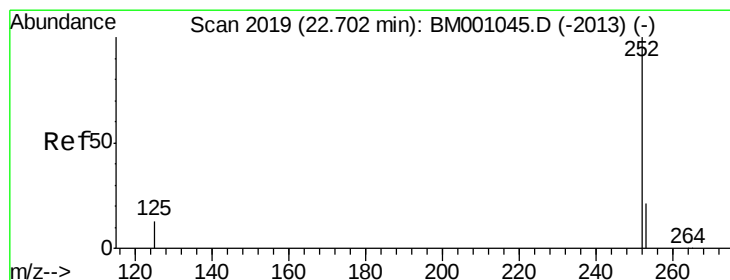
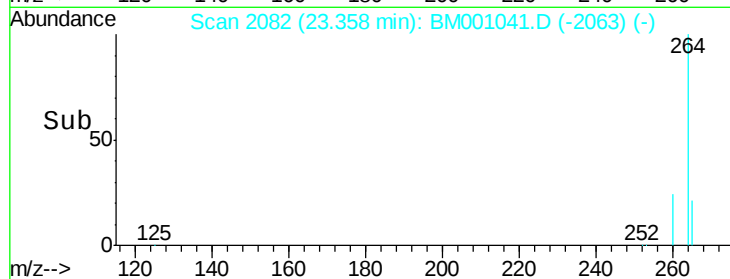
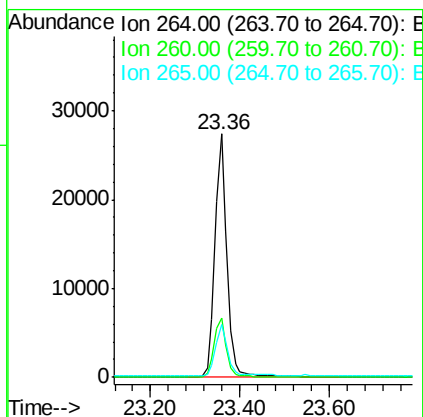
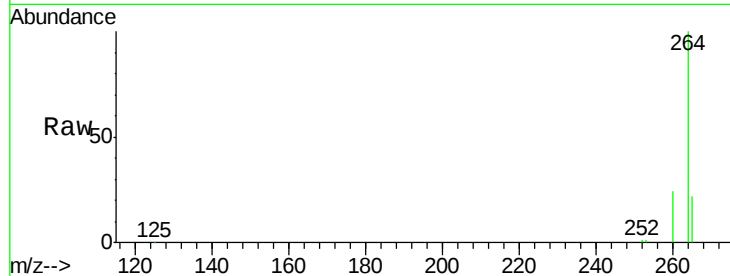
Ion 277.00 (276.70 to 277.70): E





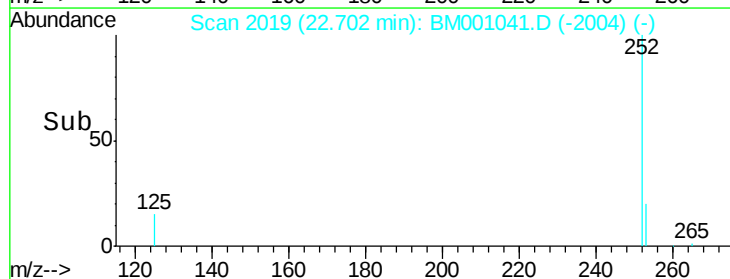
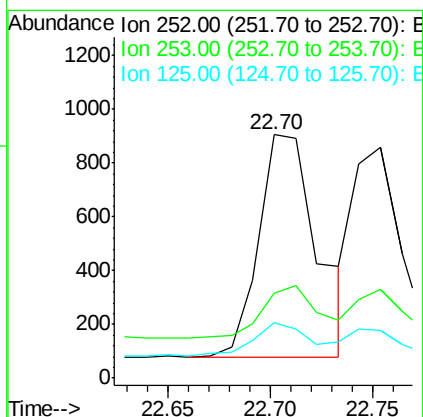
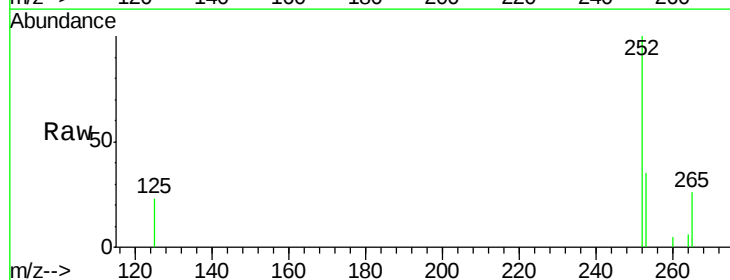
#25
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.36 min Scan# 2082
 Delta R.T. 0.00 min
 Lab File: BM001041.D
 Acq: 17 Apr 2015 22:08

Tgt Ion: 264 Resp: 50580
 Ion Ratio Lower Upper
 264 100
 260 24.4 19.0 28.6
 265 21.7 17.9 26.9



#26
 Benzo(b)fluoranthene
 Concen: 0.10 ng
 RT: 22.70 min Scan# 2019
 Delta R.T. 0.00 min
 Lab File: BM001041.D
 Acq: 17 Apr 2015 22:08

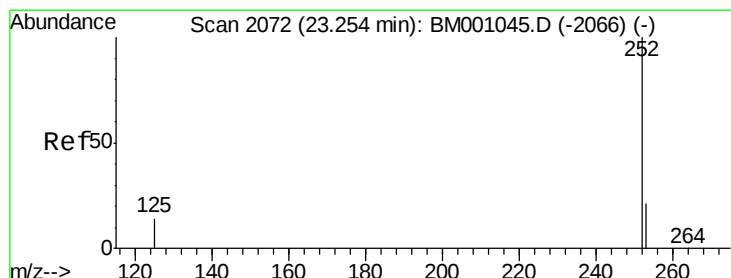
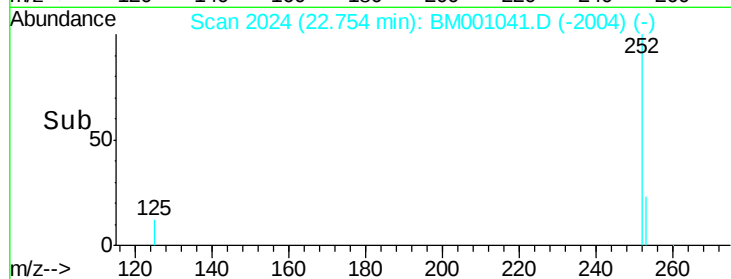
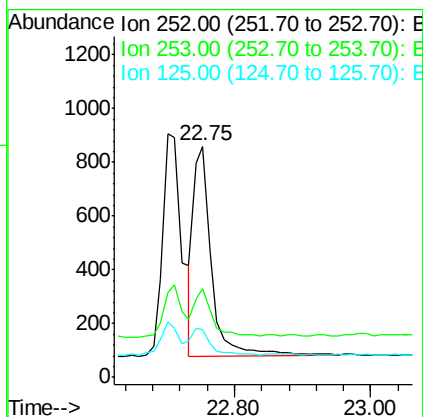
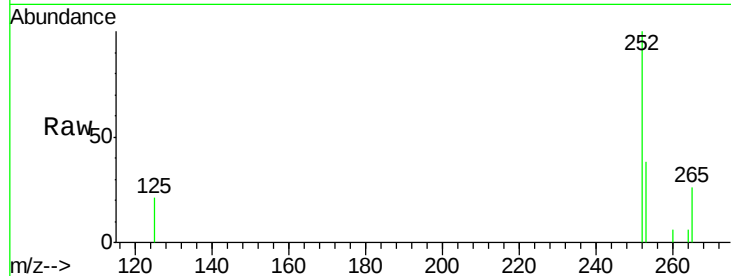
Tgt Ion: 252 Resp: 1661
 Ion Ratio Lower Upper
 252 100
 253 35.0 18.2 27.2#
 125 22.6 10.9 16.3#





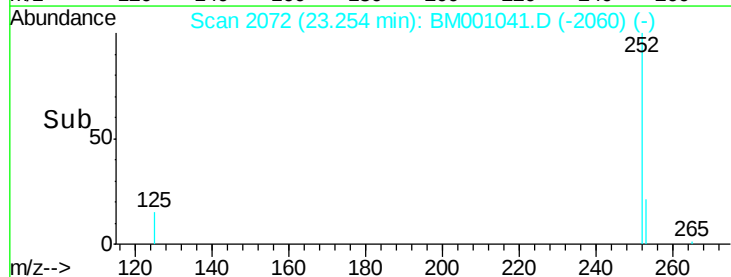
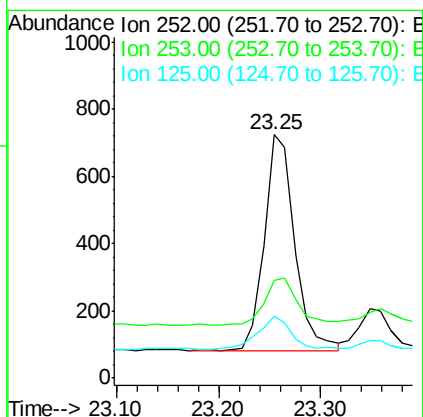
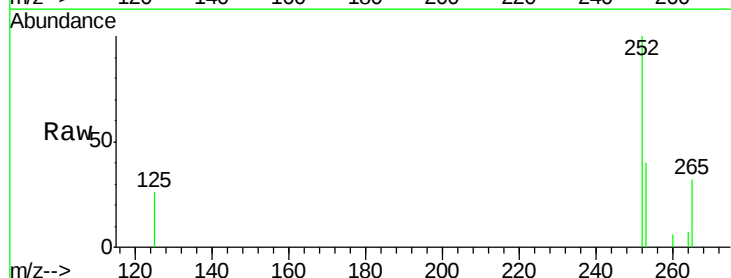
#27
Benzo(k)fluoranthene
Concen: 0.09 ng
RT: 22.75 min Scan# 2024
Delta R.T. 0.01 min
Lab File: BM001041.D
Acq: 17 Apr 2015 22:08

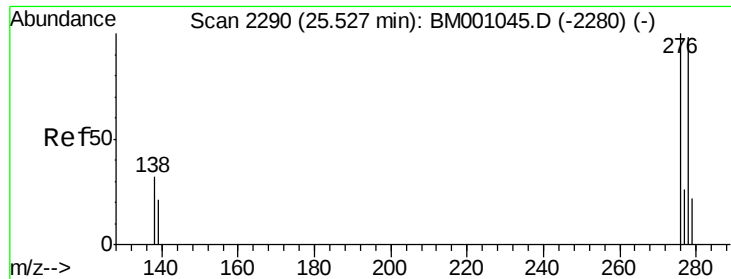
Tgt Ion: 252 Resp: 1424
Ion Ratio Lower Upper
252 100
253 38.4 18.3 27.5#
125 20.6 10.6 15.8#



#28
Benzo(a)pyrene
Concen: 0.10 ng
RT: 23.25 min Scan# 2072
Delta R.T. 0.00 min
Lab File: BM001041.D
Acq: 17 Apr 2015 22:08

Tgt Ion: 252 Resp: 1325
Ion Ratio Lower Upper
252 100
253 40.1 18.6 27.8#
125 25.5 11.9 17.9#





#29

Dibenzo(a,h)anthracene

Concen: 0.10 ng

RT: 25.54 min Scan# 2291

Delta R.T. 0.01 min

Lab File: BM001041.D

Acq: 17 Apr 2015 22:08

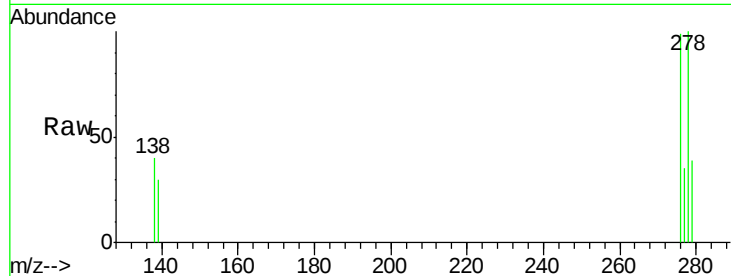
Tgt Ion: 278 Resp: 1303

Ion Ratio Lower Upper

278 100

139 29.8 18.2 27.2#

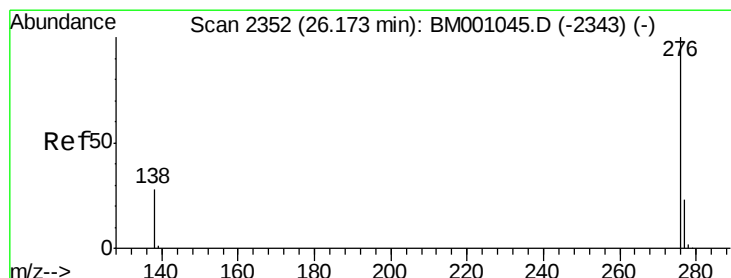
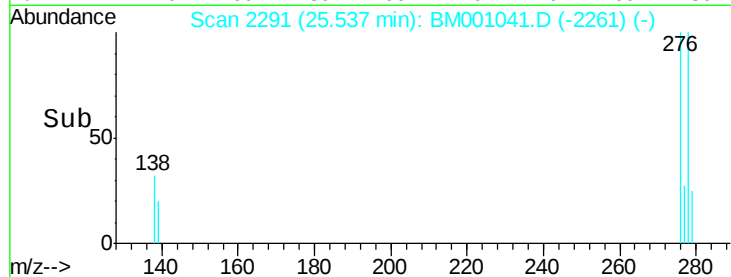
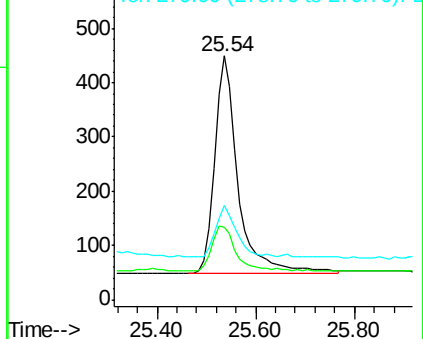
279 38.5 19.1 28.7#



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



#30

Benzo(g,h,i)perylene

Concen: 0.10 ng

RT: 26.18 min Scan# 2353

Delta R.T. 0.01 min

Lab File: BM001041.D

Acq: 17 Apr 2015 22:08

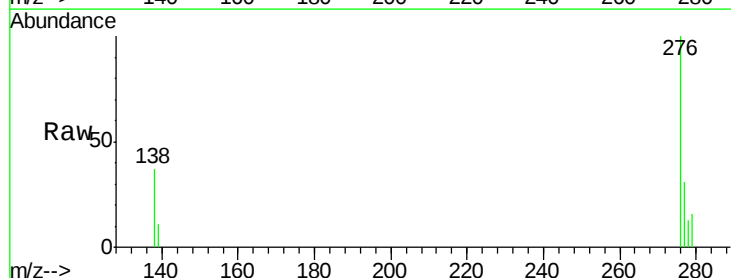
Tgt Ion: 276 Resp: 1480

Ion Ratio Lower Upper

276 100

277 31.5 19.0 28.4#

138 36.7 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

