

Data Path : Z:\HPCHEM1\BNA M\DATA\BM041815\
 Data File : BM001052.D
 Acq On : 18 Apr 2015 09:13
 Operator : TP/IZ
 Sample : PB82802BL
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Quant Time: Apr 20 08:16:20 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	24552	5.00	ng	0.00
4) Naphthalene-d8	10.36	136	85673	5.00	ng	0.00
8) Acenaphthene-d10	14.24	164	45520	5.00	ng	0.00
13) Phenanthrene-d10	16.99	188	99777	5.00	ng	0.00
19) Chrysene-d12	21.19	240	85418	5.00	ng	0.00
25) Perylene-d12	23.36	264	77456	5.00	ng	0.00

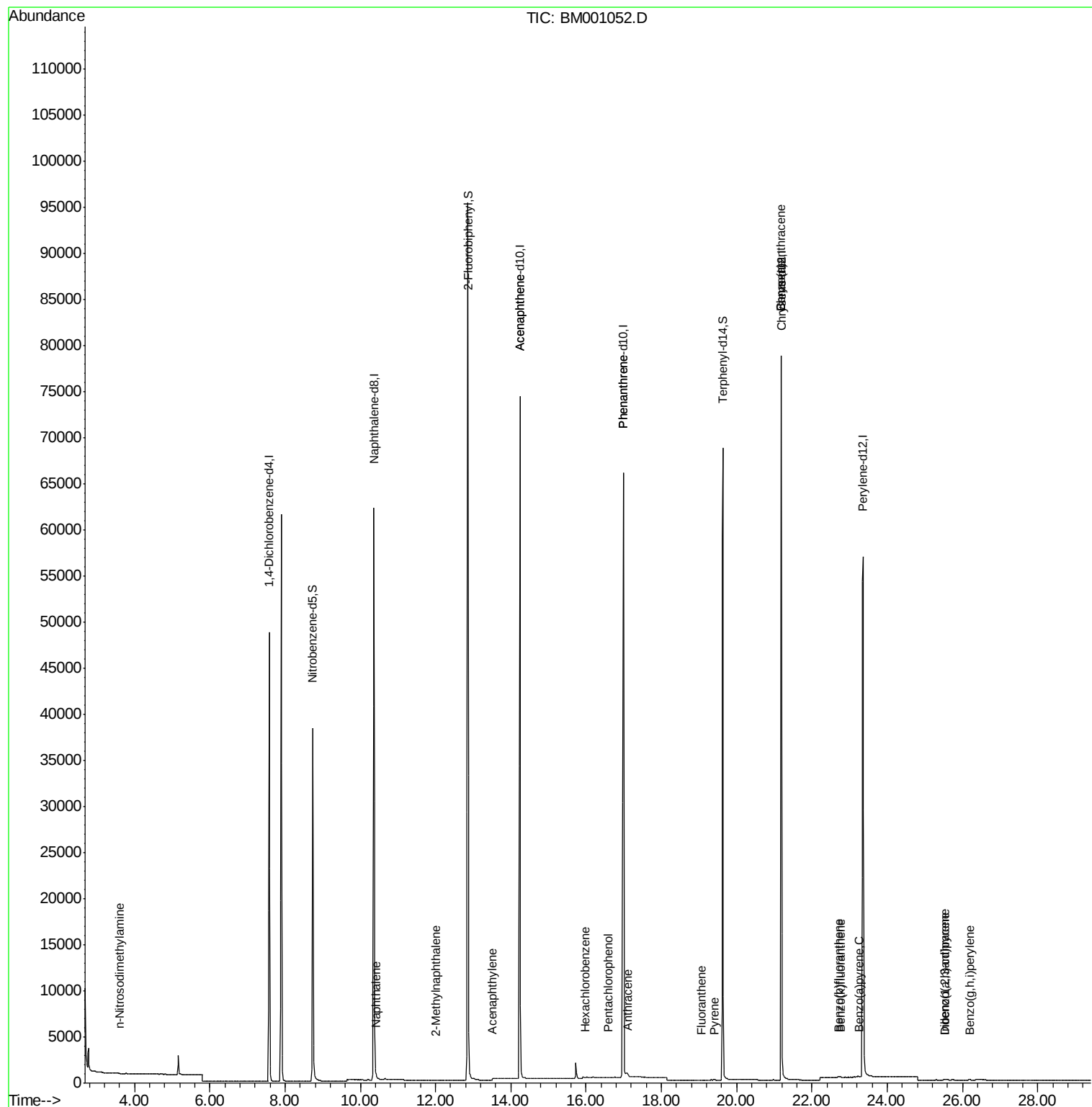
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) Nitrobenzene-d5	8.74	82	33780	7.55	ng	0.00
9) 2-Fluorobiphenyl	12.86	172	104505	6.95	ng	0.00
21) Terphenyl-d14	19.63	244	82117	7.25	ng	0.00

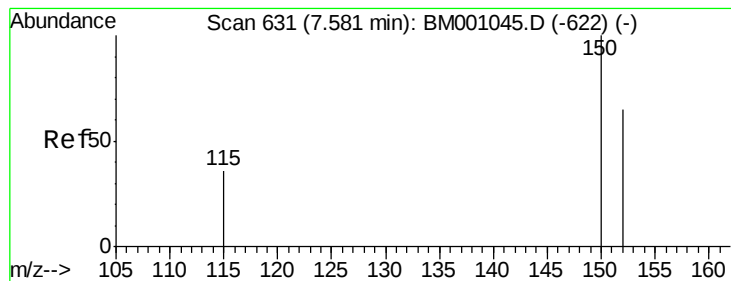
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) n-Nitrosodimethylamine	3.61	42	19	0.01	ng	# 1
6) Naphthalene	10.41	128	4	0.00	ng	# 1
7) 2-Methylnaphthalene	12.01	142	1	0.00	ng	# 39
10) Acenaphthylene	13.50	152	120	0.01	ng	# 62
11) Acenaphthene	14.24	154	191	0.01	ng	# 12
14) Hexachlorobenzene	15.98	284	406	0.07	ng	# 100
15) Pentachlorophenol	16.60	266	9	0.29	ng	# 61
16) Phenanthrene	16.99	178	62	0.00	ng	# 1
17) Anthracene	17.11	178	7	0.00	ng	# 62
18) Fluoranthene	19.05	202	17	0.00	ng	# 80
20) Pyrene	19.42	202	23	0.00	ng	# 53
22) Benzo(a)anthracene	21.18	228	320	0.01	ng	# 79
23) Chrysene	21.18	228	320	0.01	ng	# 82
24) Indeno(1,2,3-cd)pyrene	25.54	276	92	0.00	ng	# 78
26) Benzo(b)fluoranthene	22.71	252	66	0.00	ng	# 1
27) Benzo(k)fluoranthene	22.75	252	42	0.00	ng	# 1
28) Benzo(a)pyrene	23.25	252	56	0.00	ng	# 1
29) Dibenzo(a,h)anthracene	25.54	278	88	0.00	ng	# 1
30) Benzo(g,h,i)perylene	26.19	276	87	0.00	ng	# 1

(#) = 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: BM001052.D

Acq: 18 Apr 2015 09:13

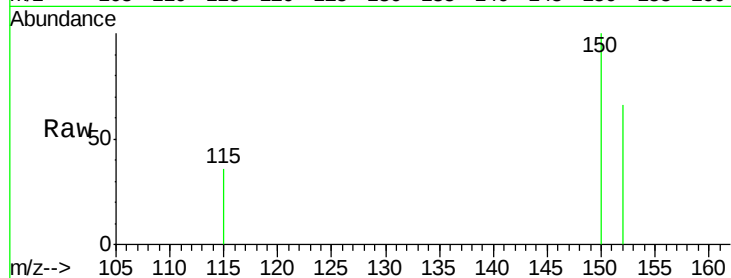
Tot Ion:152 Resp: 24552

Ion Ratio Lower Upper

152 100

150 152.0 123.3 184.9

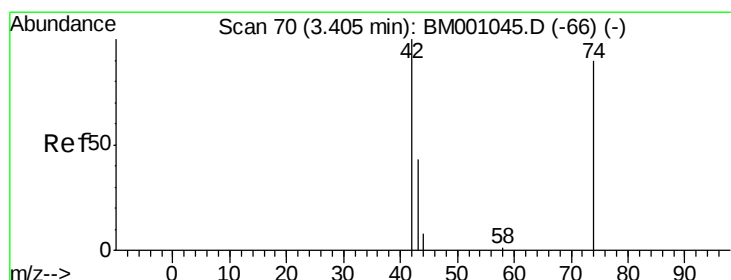
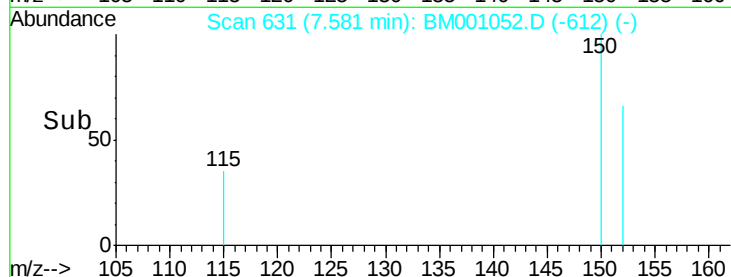
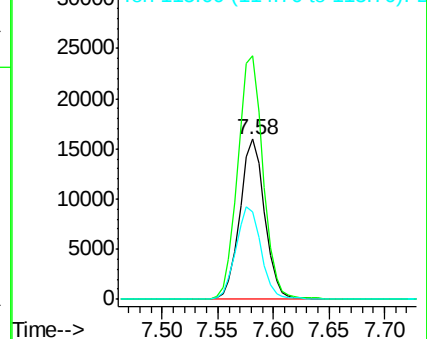
115 54.2 45.0 67.6



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



#3

n-Nitrosodimethylamine

Concen: 0.01 ng

RT: 3.61 min Scan# 90

Delta R.T. 0.21 min

Lab File: BM001052.D

Acq: 18 Apr 2015 09:13

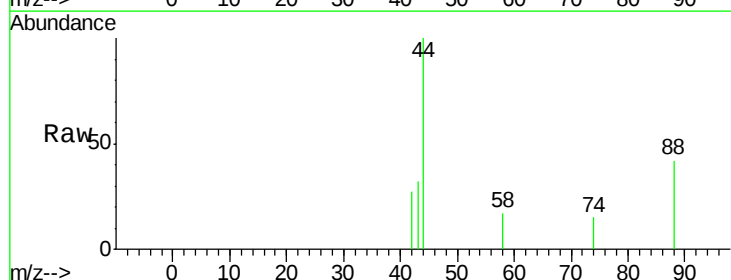
Tgt Ion: 42 Resp: 19

Ion Ratio Lower Upper

42 100

74 10.5 92.1 138.1#

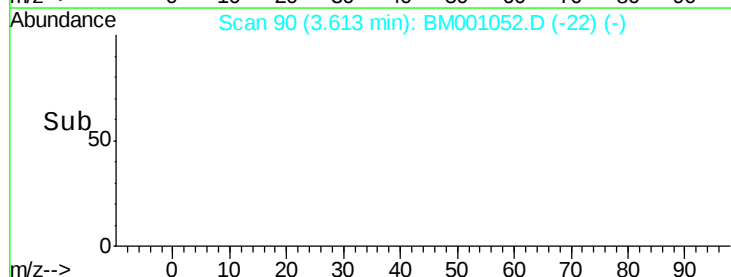
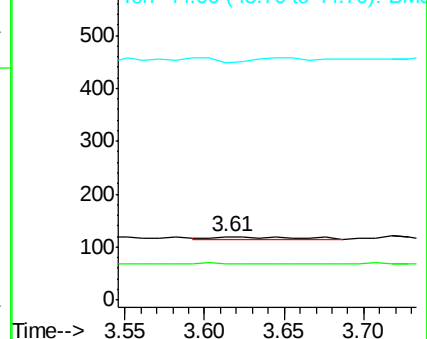
44 68.4 5.8 8.6#

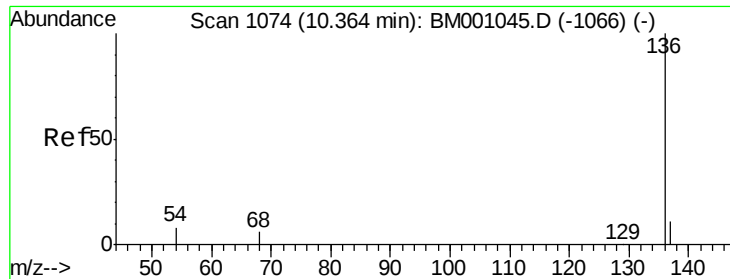


Abundance Ion 42.00 (41.70 to 42.70): BM0

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: BM001052.D

Acq: 18 Apr 2015 09:13

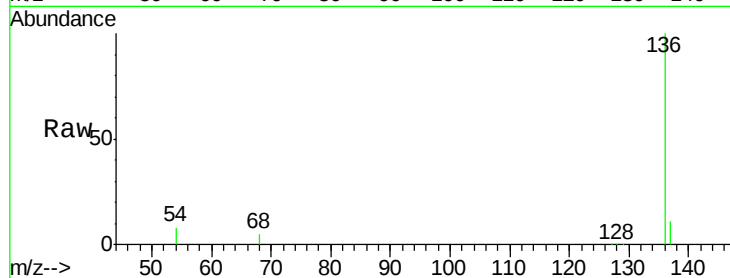
Tot Ion:136 Resp: 85673

Ion Ratio Lower Upper

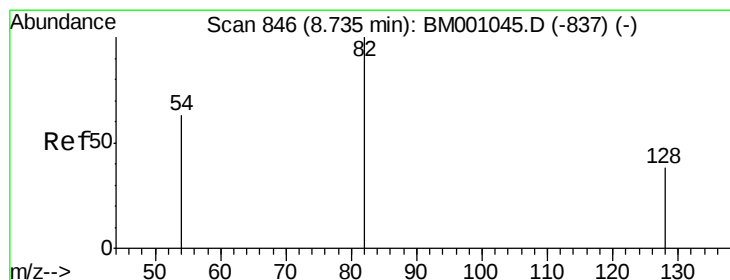
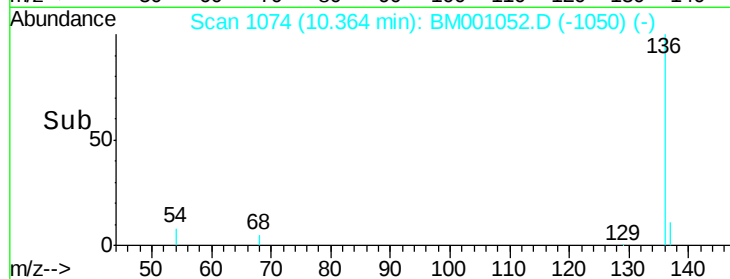
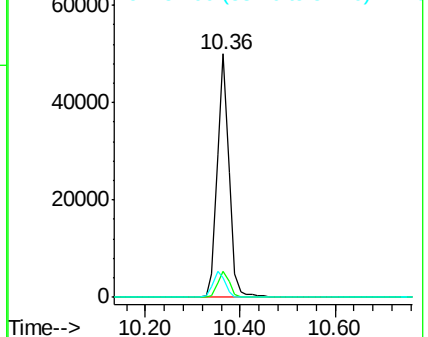
136 100

137 10.9 8.6 13.0

54 7.9 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): BM



#5

Nitrobenzene-d5

Concen: 7.55 ng

RT: 8.74 min Scan# 846

Delta R.T. 0.00 min

Lab File: BM001052.D

Acq: 18 Apr 2015 09:13

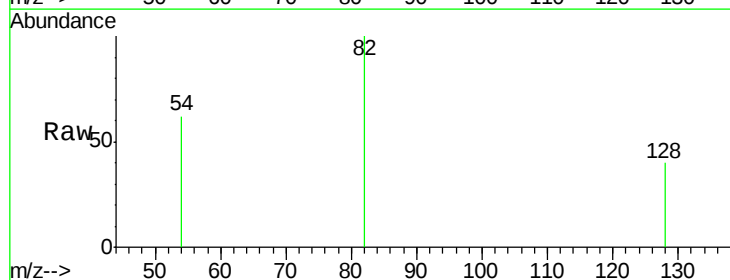
Tgt Ion: 82 Resp: 33780

Ion Ratio Lower Upper

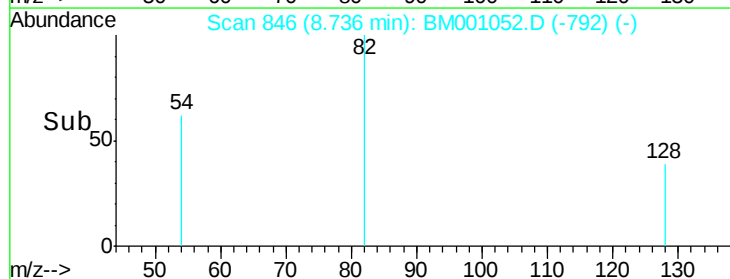
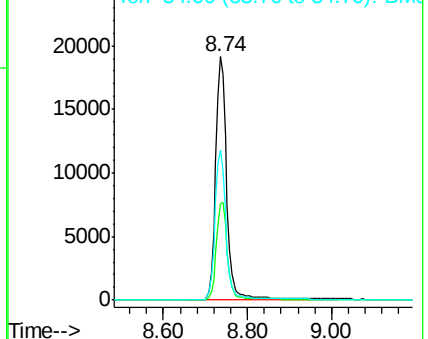
82 100

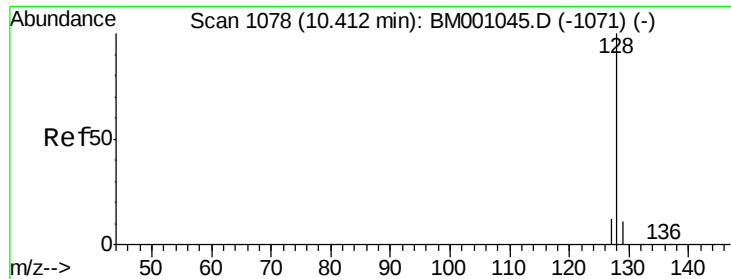
128 39.6 31.9 47.9

54 61.7 51.3 76.9



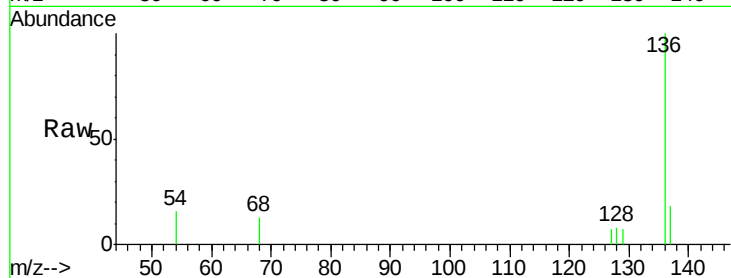
Abundance Ion 82.00 (81.70 to 82.70): BM
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BM



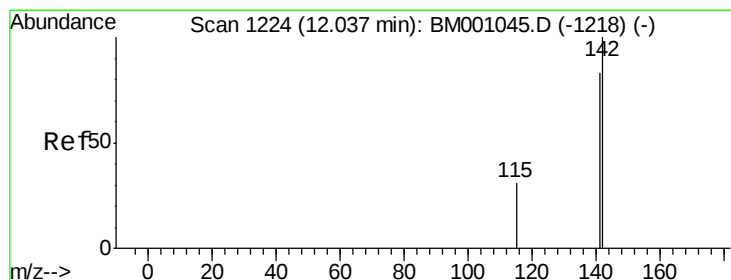
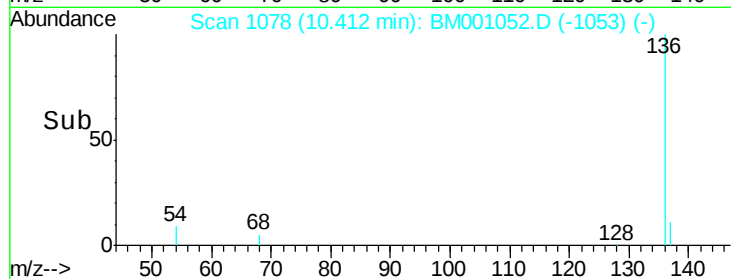
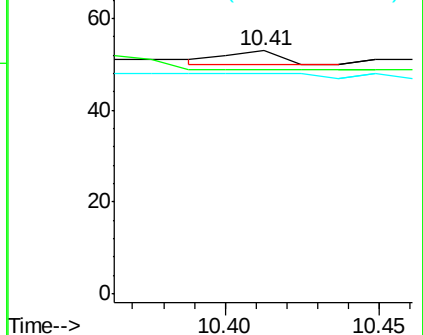


#6
Naphthalene
Concen: 0.00 ng
RT: 10.41 min Scan# 1078
Delta R.T. 0.00 min
Lab File: BM001052.D
Acq: 18 Apr 2015 09:13

Tot Ion:128 Resp: 4
Ion Ratio Lower Upper
128 100
129 92.5 9.3 13.9#
127 90.6 10.0 15.0#

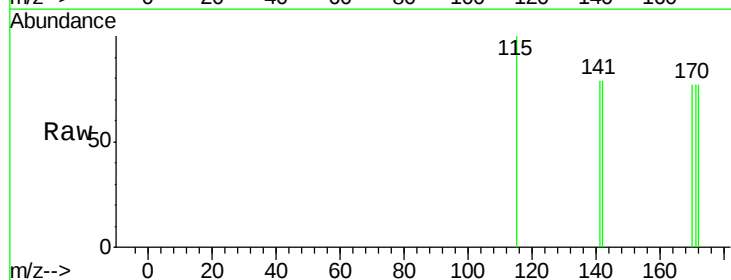


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

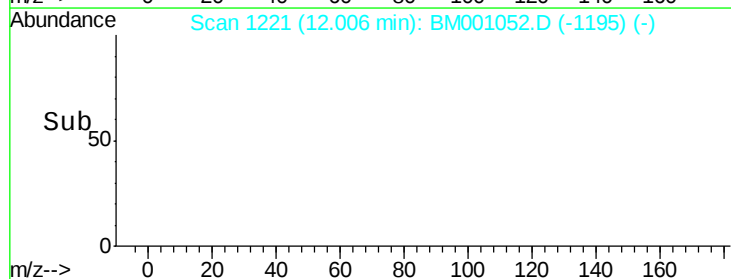
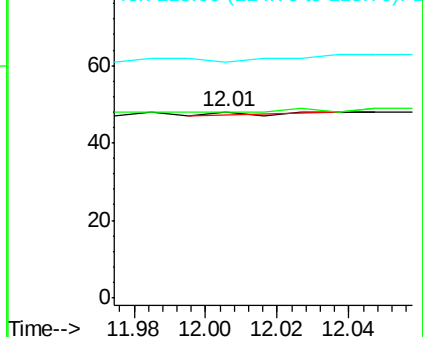


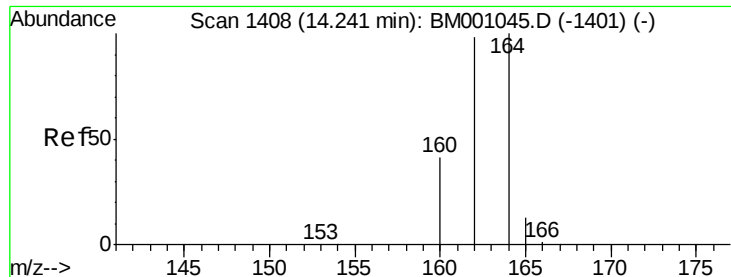
#7
2-Methylnaphthalene
Concen: 0.00 ng
RT: 12.01 min Scan# 1221
Delta R.T. -0.03 min
Lab File: BM001052.D
Acq: 18 Apr 2015 09:13

Tgt Ion:142 Resp: 1
Ion Ratio Lower Upper
142 100
141 100.0 66.7 100.1
115 127.1 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: BM001052.D

Acq: 18 Apr 2015 09:13

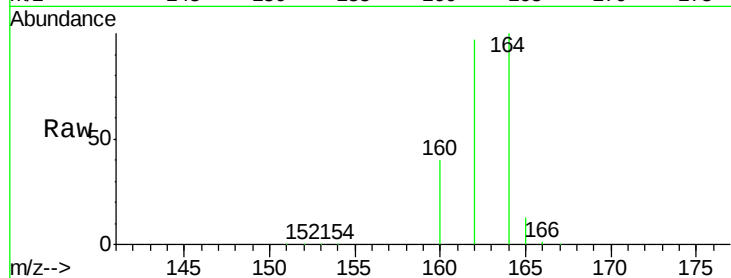
Tot Ion:164 Resp: 45520

Ion Ratio Lower Upper

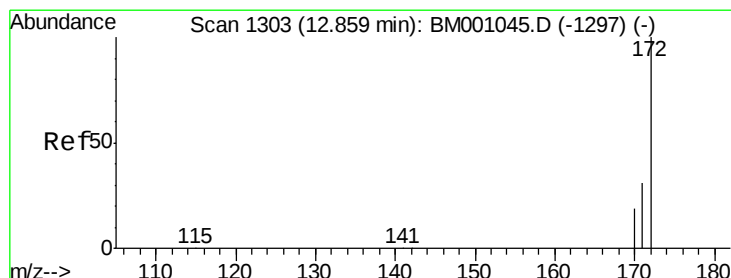
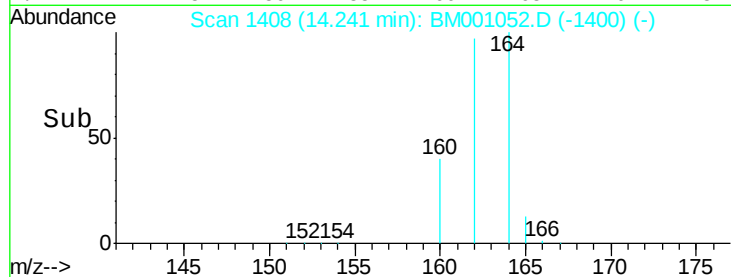
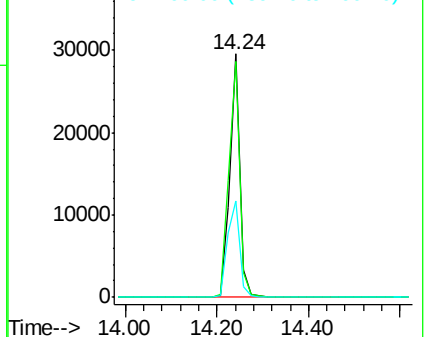
164 100

162 96.7 78.5 117.7

160 39.8 32.9 49.3



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



#9

2-Fluorobiphenyl

Concen: 6.95 ng

RT: 12.86 min Scan# 1303

Delta R.T. 0.00 min

Lab File: BM001052.D

Acq: 18 Apr 2015 09:13

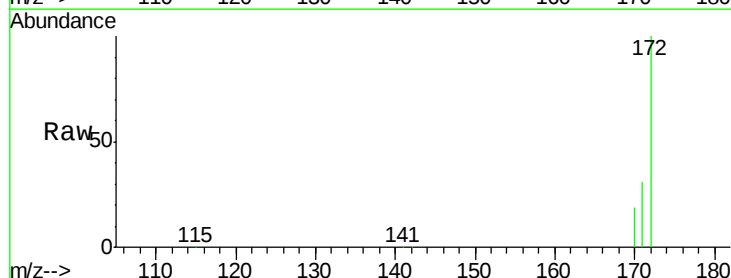
Tgt Ion:172 Resp: 104505

Ion Ratio Lower Upper

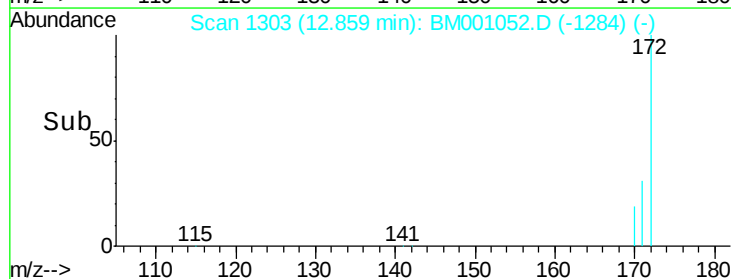
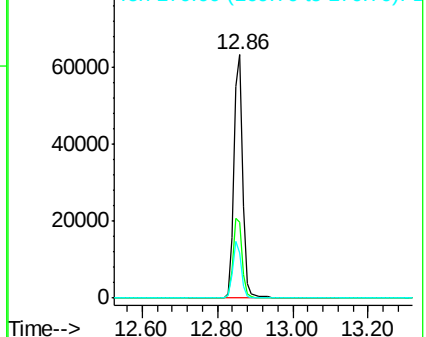
172 100

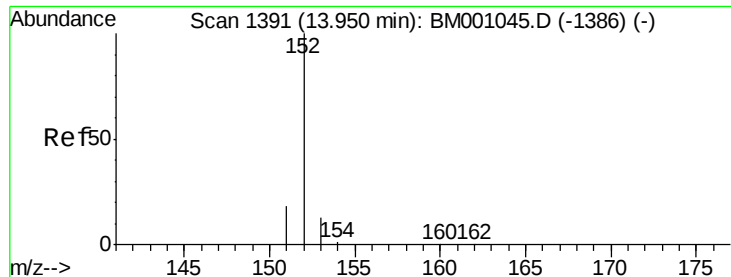
171 31.3 25.6 38.4

170 18.8 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: 0.01 ng

RT: 13.50 min Scan# 1365

Delta R.T. -0.45 min

Lab File: BM001052.D

Acq: 18 Apr 2015 09:13

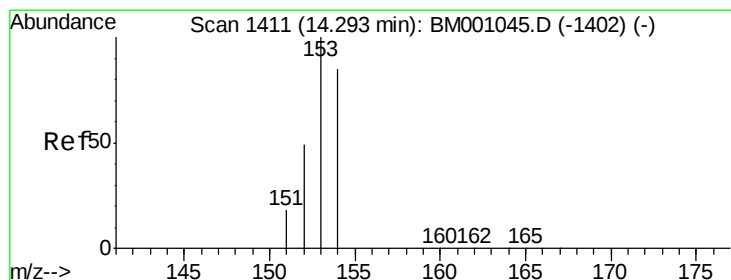
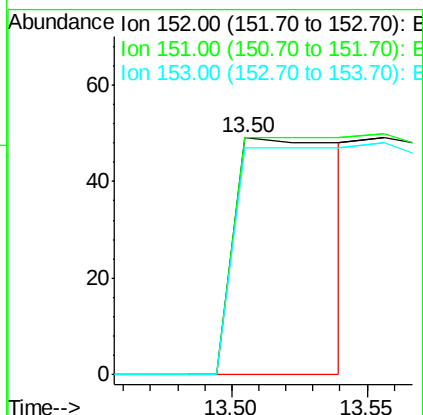
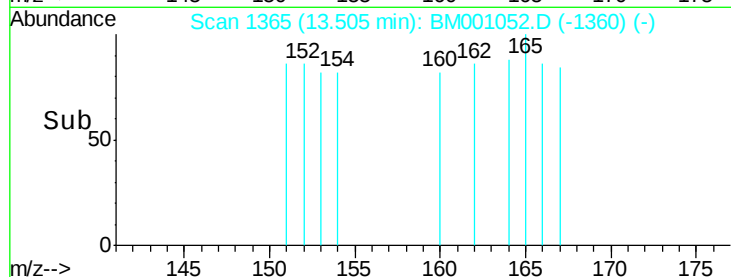
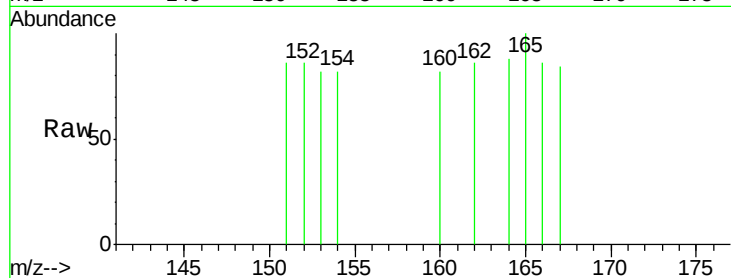
Tot Ion:152 Resp: 120

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: 14.24 min Scan# 1408

Delta R.T. -0.05 min

Lab File: BM001052.D

Acq: 18 Apr 2015 09:13

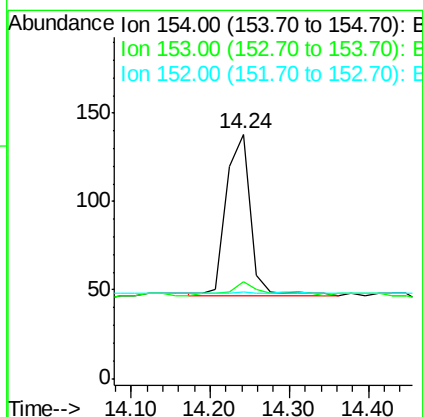
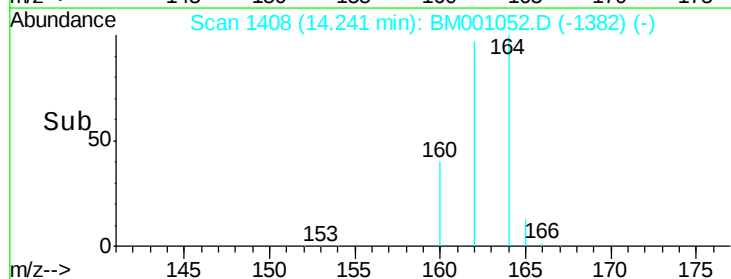
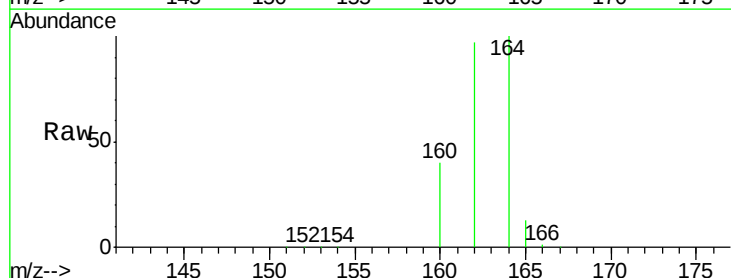
Tgt Ion:154 Resp: 191

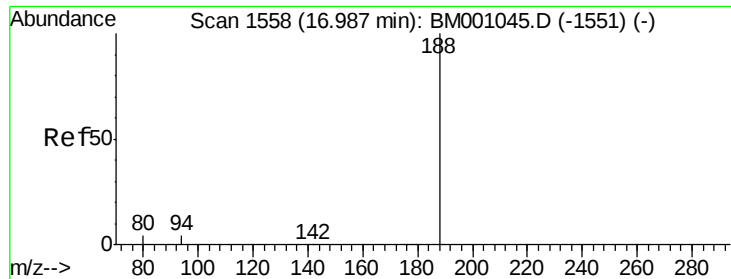
Ion Ratio Lower Upper

154 100

153 10.5 88.1 132.1#

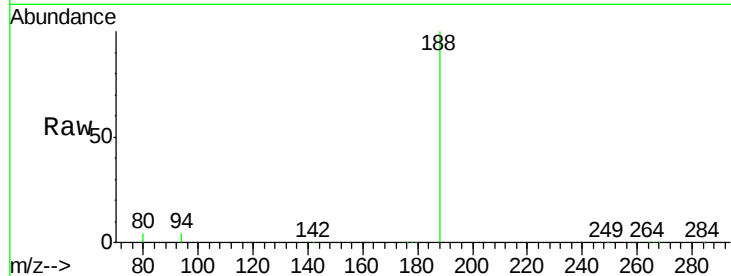
152 0.5 42.3 63.5#





#13
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.99 min Scan# 1558
Delta R.T. 0.00 min
Lab File: BM001052.D
Acq: 18 Apr 2015 09:13

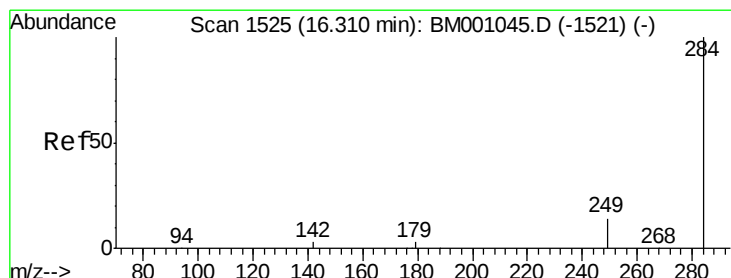
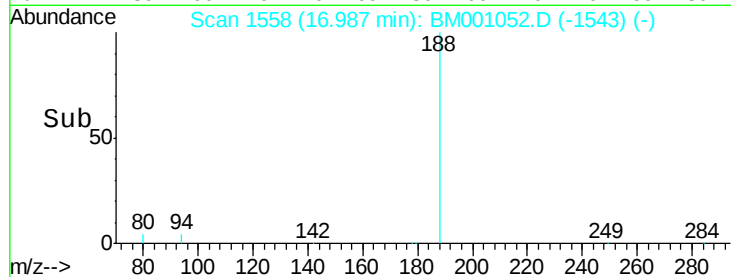
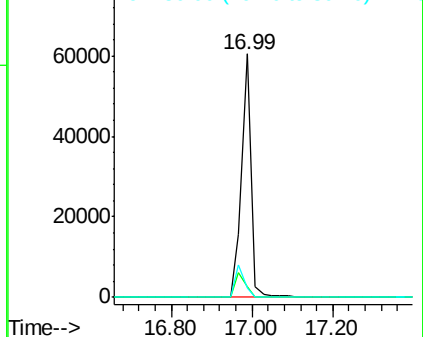
Tot Ion	Ratio	Lower	Upper
188	100		
94	4.5	3.6	5.4
80	3.9	3.0	4.6



Abundance Ion 188.00 (187.70 to 188.70): E

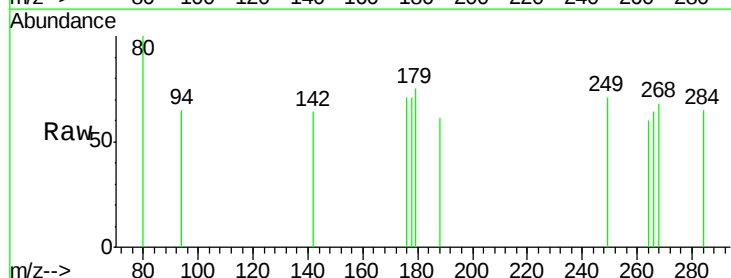
Ion 94.00 (93.70 to 94.70): B

Ion 80.00 (79.70 to 80.70): B



#14
Hexachlorobenzene
Concen: 0.07 ng
RT: 15.98 min Scan# 1509
Delta R.T. -0.33 min
Lab File: BM001052.D
Acq: 18 Apr 2015 09:13

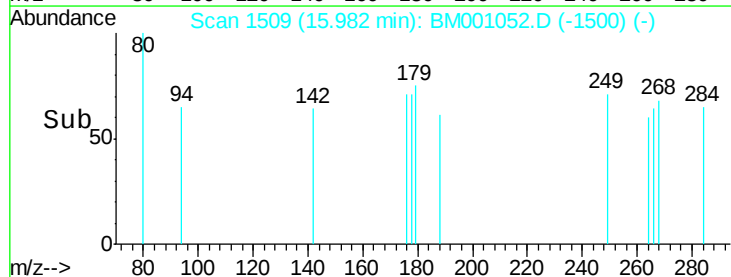
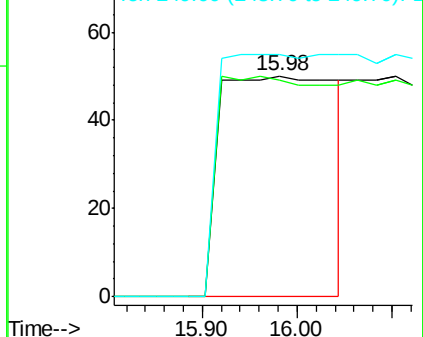
Tgt Ion	Ratio	Lower	Upper
284	100		
142	0.0	0.0	0.0
249	0.0	0.0	0.0

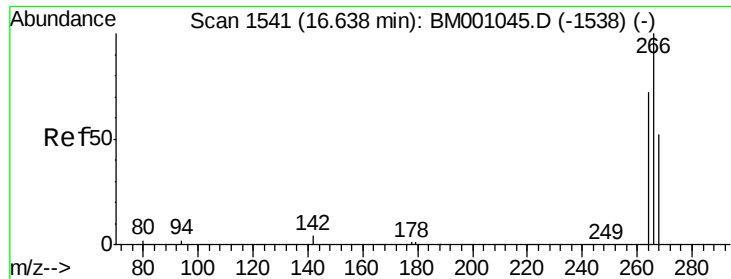


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

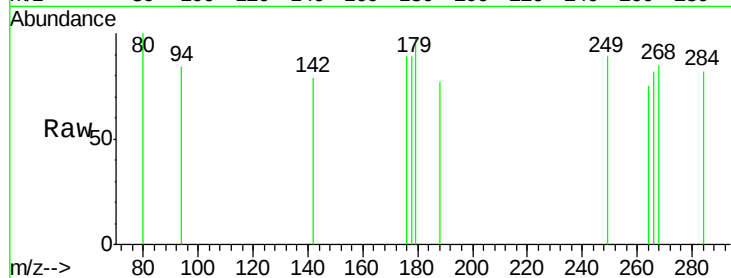
Ion 249.00 (248.70 to 249.70): E



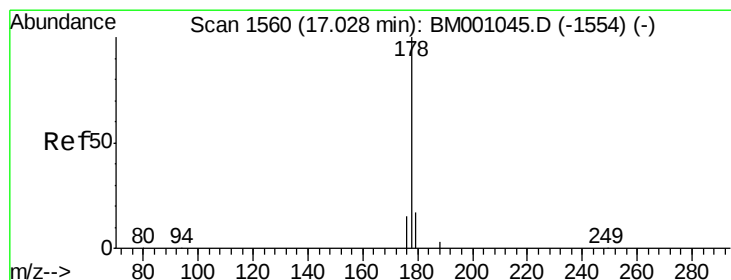
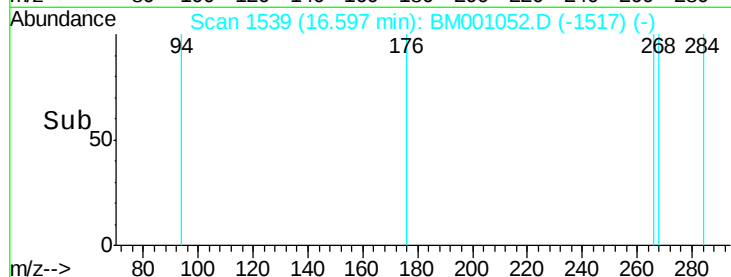
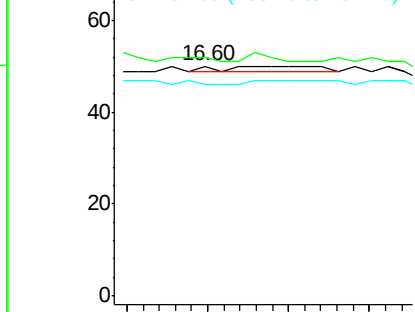


#15
 Pentachlorophenol
 Concen: 0.29 ng
 RT: 16.60 min Scan# 1539
 Delta R.T. -0.04 min
 Lab File: BM001052.D
 Acq: 18 Apr 2015 09:13

Tot Ion	Ratio	Lower	Upper
266	100		
268	104.0	46.3	69.5#
264	92.0	59.8	89.6#

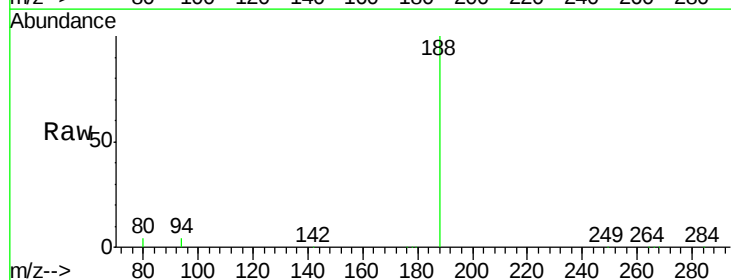


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

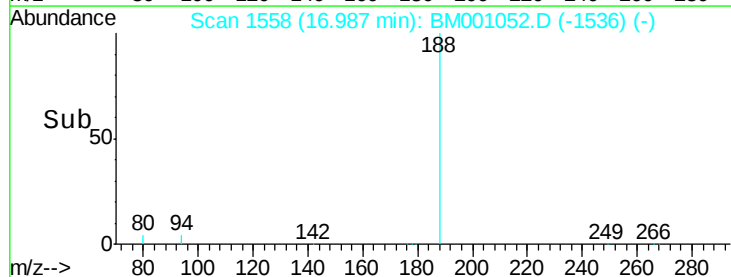
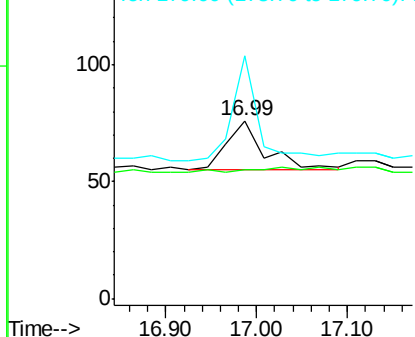


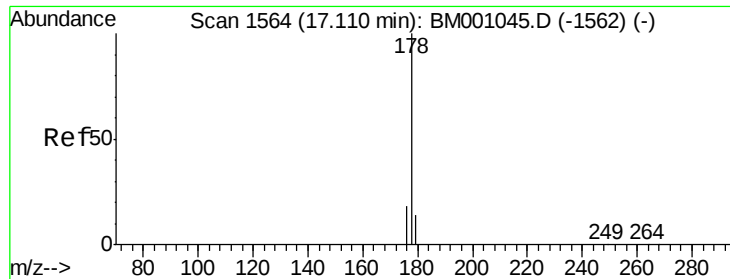
#16
 Phenanthrene
 Concen: 0.00 ng
 RT: 16.99 min Scan# 1558
 Delta R.T. -0.04 min
 Lab File: BM001052.D
 Acq: 18 Apr 2015 09:13

Tgt Ion	Ratio	Lower	Upper
178	100		
176	0.0	14.6	22.0#
179	137.1	12.6	19.0#



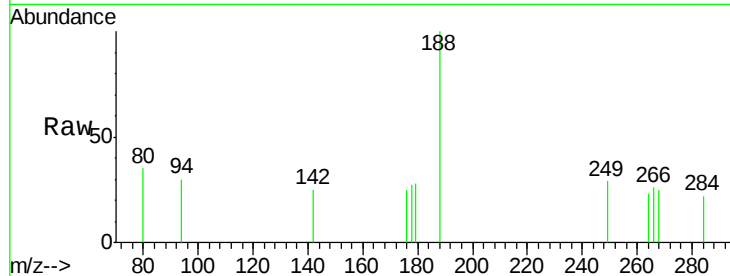
Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E



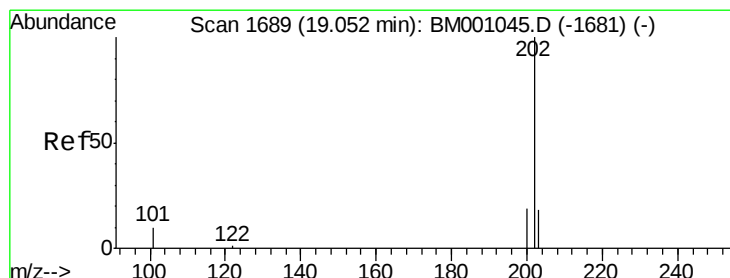
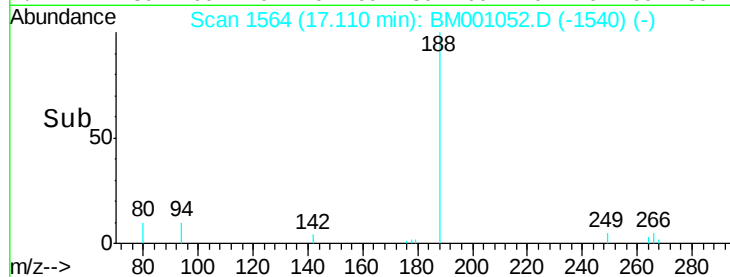
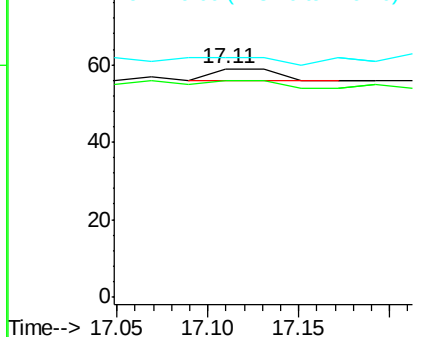


#17
 Anthracene
 Concen: 0.00 ng
 RT: 17.11 min Scan# 1564
 Delta R.T. 0.00 min
 Lab File: BM001052.D
 Acq: 18 Apr 2015 09:13

Tot Ion:178 Resp: 7
 Ion Ratio Lower Upper
 178 100
 176 0.0 14.3 21.5#
 179 0.0 11.8 17.8#

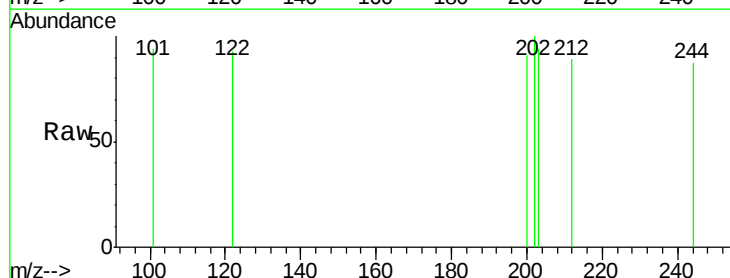


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

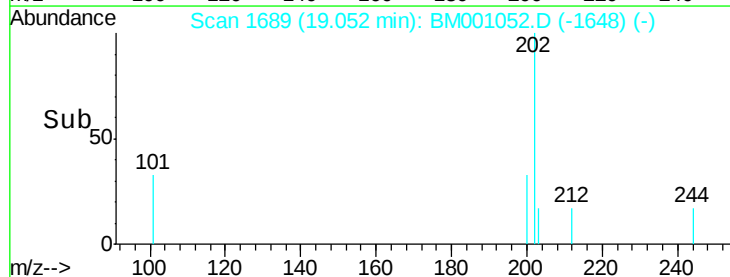
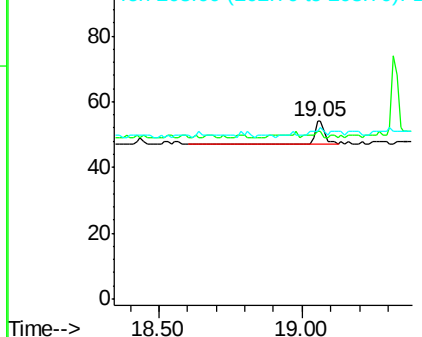


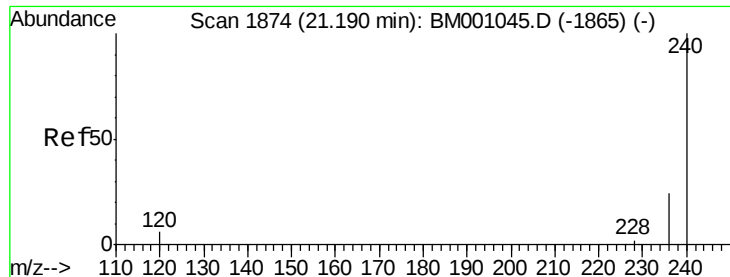
#18
 Fluoranthene
 Concen: 0.00 ng
 RT: 19.05 min Scan# 1689
 Delta R.T. 0.00 min
 Lab File: BM001052.D
 Acq: 18 Apr 2015 09:13

Tgt Ion:202 Resp: 17
 Ion Ratio Lower Upper
 202 100
 101 23.5 10.1 15.1#
 203 23.5 13.8 20.8#



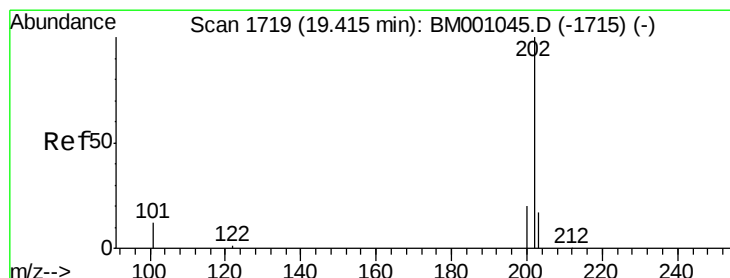
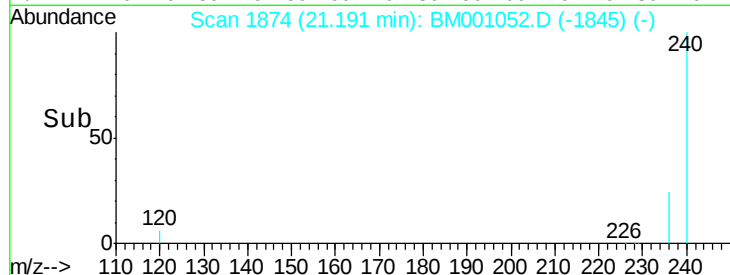
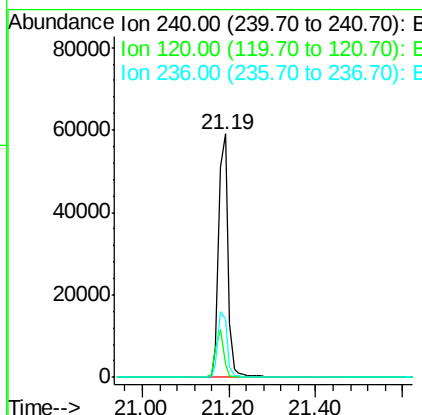
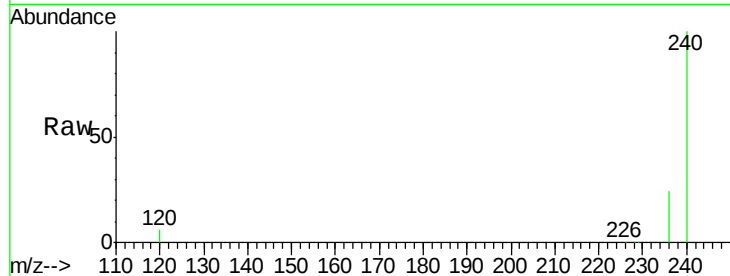
Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E





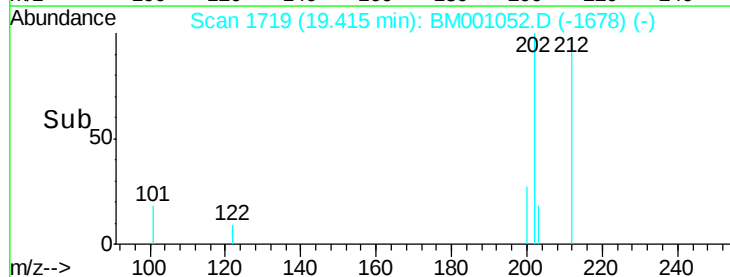
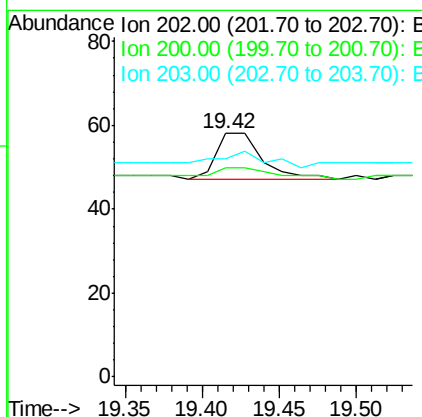
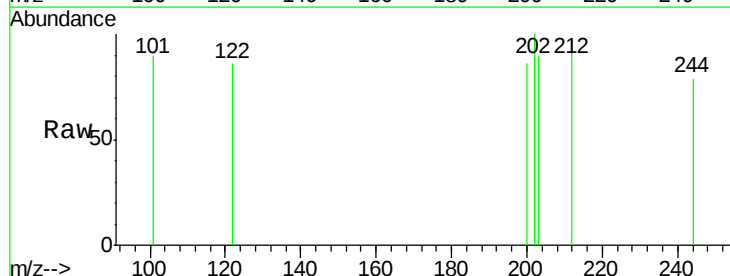
#19
Chrysene-d12
Concen: 5.00 ng
RT: 21.19 min Scan# 1874
Delta R.T. 0.00 min
Lab File: BM001052.D
Acq: 18 Apr 2015 09:13

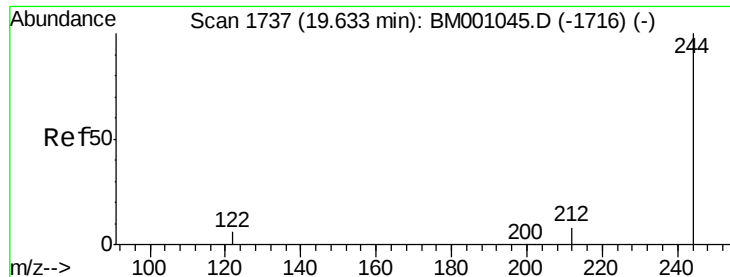
Tot Ion:240 Resp: 85418
Ion Ratio Lower Upper
240 100
120 5.7 4.6 6.8
236 23.8 19.1 28.7



#20
Pyrene
Concen: 0.00 ng
RT: 19.42 min Scan# 1719
Delta R.T. 0.00 min
Lab File: BM001052.D
Acq: 18 Apr 2015 09:13

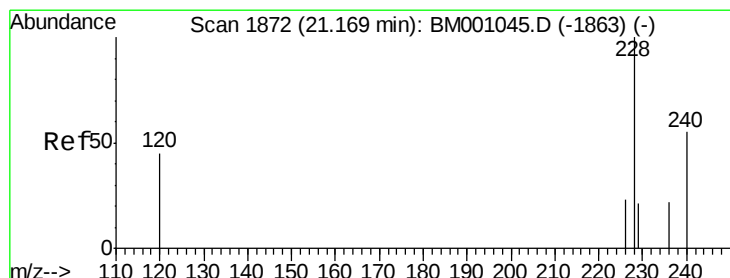
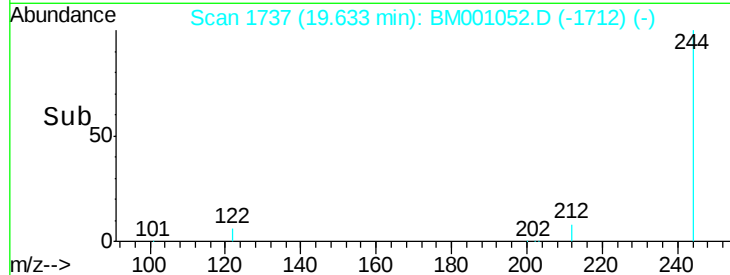
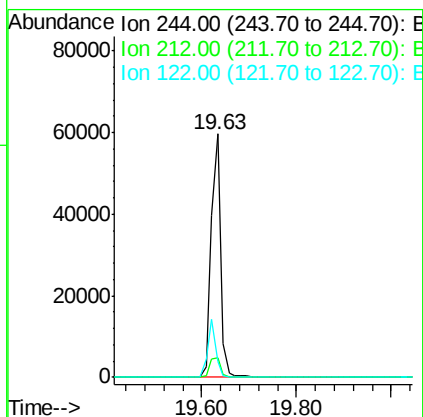
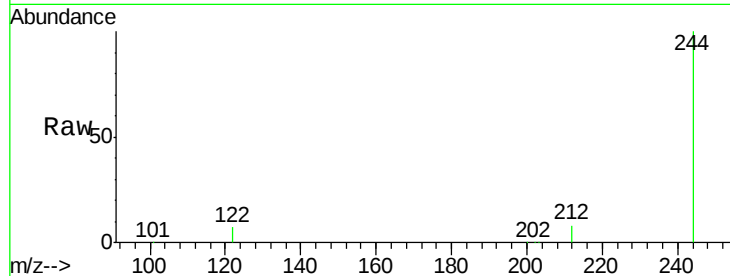
Tgt Ion:202 Resp: 23
Ion Ratio Lower Upper
202 100
200 0.0 16.3 24.5#
203 39.1 13.8 20.6#





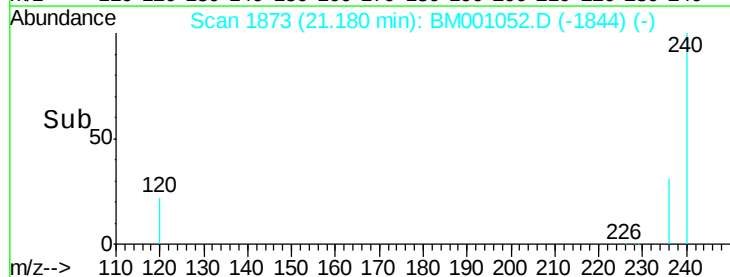
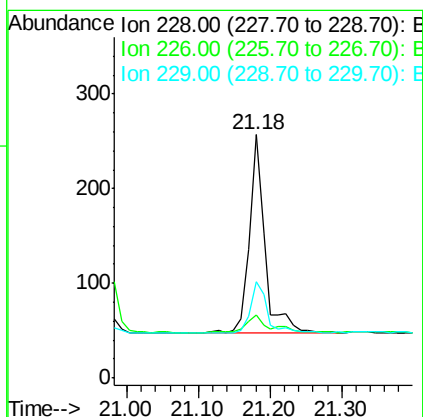
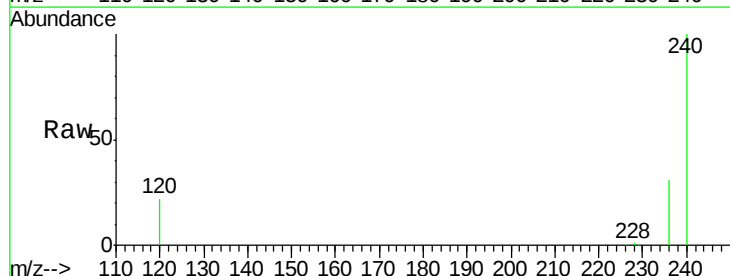
#21
 Terphenyl-d14
 Concen: 7.25 ng
 RT: 19.63 min Scan# 1737
 Delta R.T. 0.00 min
 Lab File: BM001052.D
 Acq: 18 Apr 2015 09:13

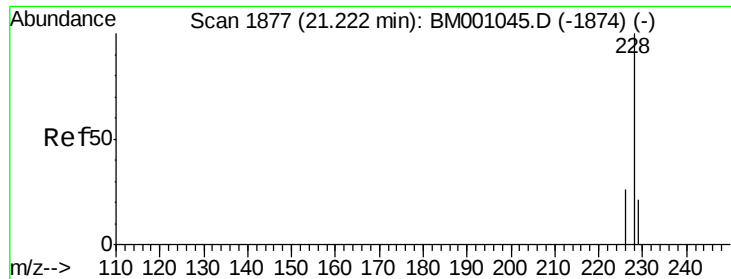
Tot Ion:244 Resp: 82117
 Ion Ratio Lower Upper
 244 100
 212 8.1 7.1 10.7
 122 6.5 5.9 8.9



#22
 Benzo(a)anthracene
 Concen: 0.01 ng
 RT: 21.18 min Scan# 1873
 Delta R.T. 0.01 min
 Lab File: BM001052.D
 Acq: 18 Apr 2015 09:13

Tgt Ion:228 Resp: 320
 Ion Ratio Lower Upper
 228 100
 226 25.7 19.0 28.6
 229 39.7 16.8 25.2#





#23

Chrysene

Concen: 0.01 ng

RT: 21.18 min Scan# 1873

Delta R.T. -0.04 min

Lab File: BM001052.D

Acq: 18 Apr 2015 09:13

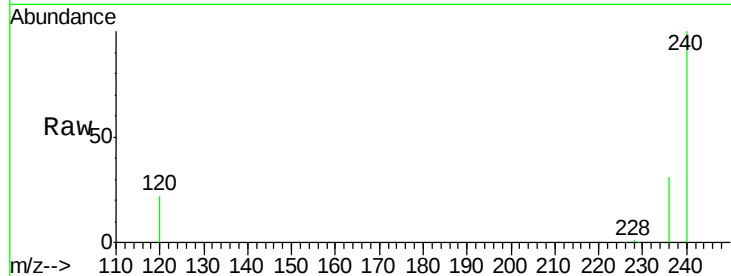
Tot Ion:228 Resp: 320

Ion Ratio Lower Upper

228 100

226 25.7 20.6 31.0

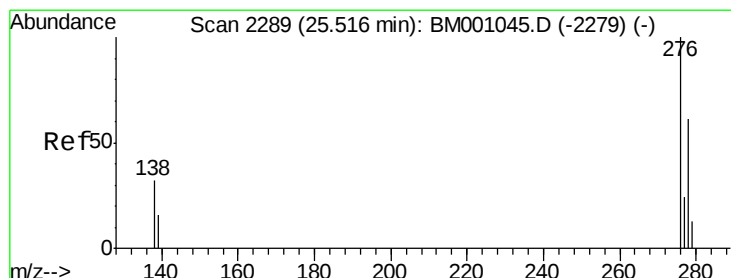
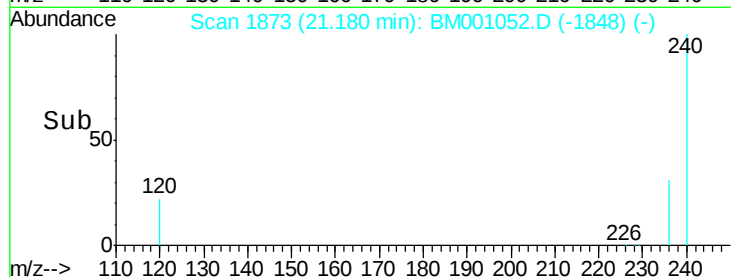
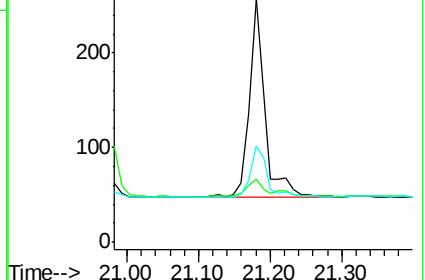
229 39.7 17.2 25.8#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.00 ng

RT: 25.54 min Scan# 2291

Delta R.T. 0.02 min

Lab File: BM001052.D

Acq: 18 Apr 2015 09:13

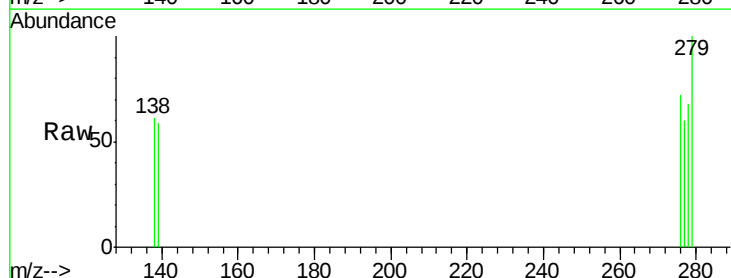
Tgt Ion:276 Resp: 92

Ion Ratio Lower Upper

276 100

138 33.7 26.3 39.5

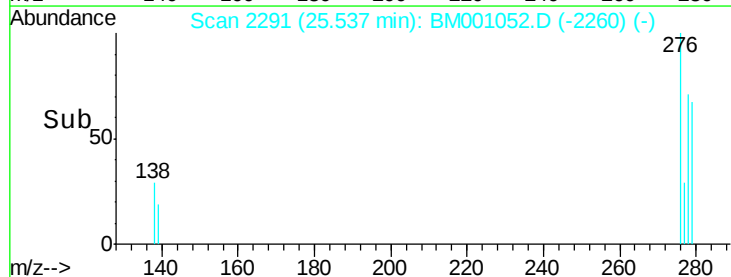
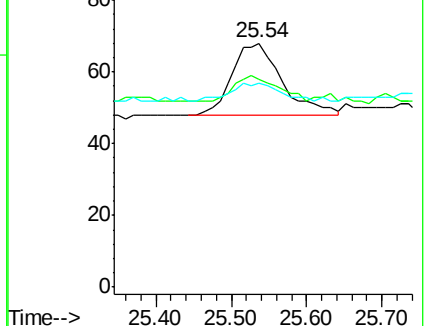
277 0.0 19.5 29.3#

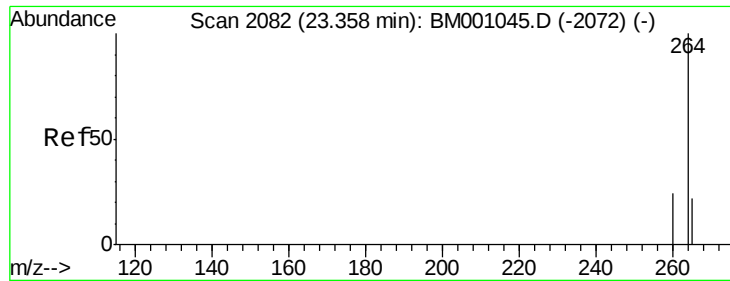


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

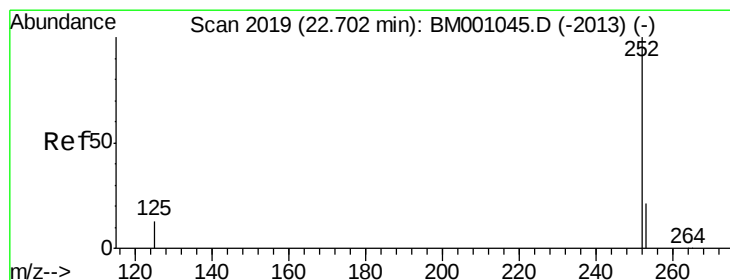
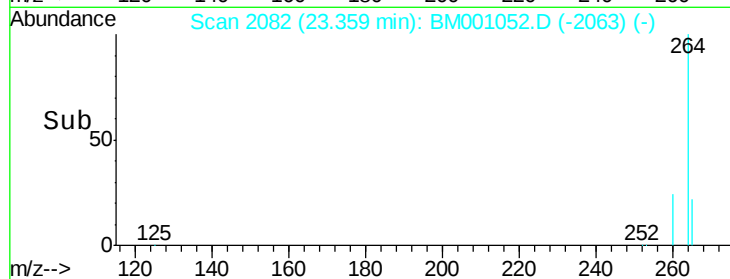
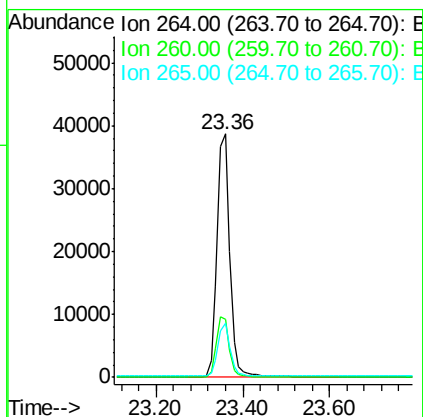
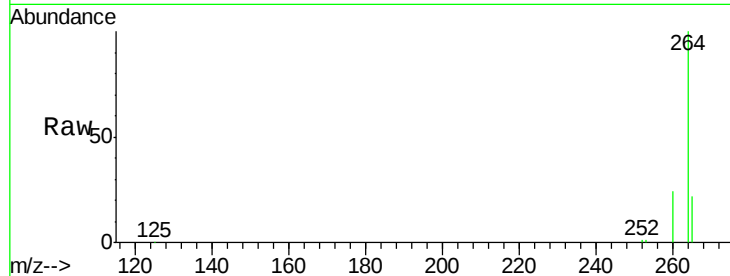
Ion 277.00 (276.70 to 277.70): E





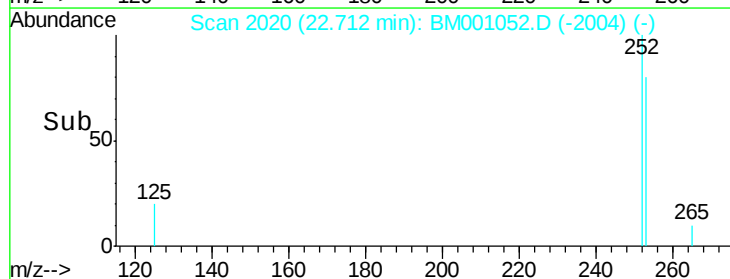
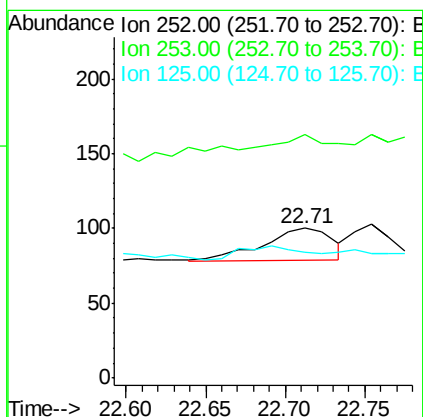
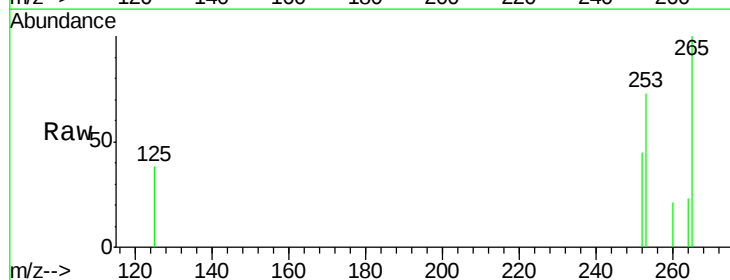
#25
Pervlene-d12
Concen: 5.00 ng
RT: 23.36 min Scan# 2082
Delta R.T. 0.00 min
Lab File: BM001052.D
Acq: 18 Apr 2015 09:13

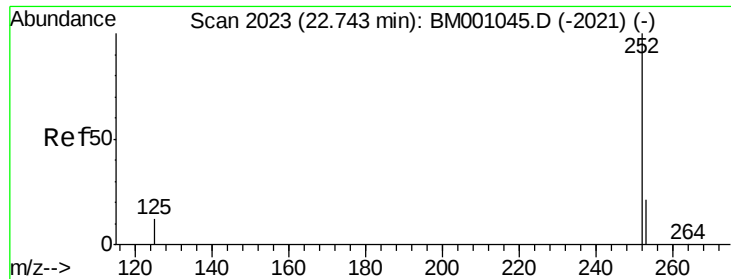
Tot Ion:264 Resp: 77456
Ion Ratio Lower Upper
264 100
260 23.7 19.0 28.6
265 22.5 17.9 26.9



#26
Benzo(b)fluoranthene
Concen: 0.00 ng
RT: 22.71 min Scan# 2020
Delta R.T. 0.01 min
Lab File: BM001052.D
Acq: 18 Apr 2015 09:13

Tgt Ion:252 Resp: 66
Ion Ratio Lower Upper
252 100
253 163.0 18.2 27.2#
125 84.0 10.9 16.3#





#27

Benzo(k)fluoranthene

Concen: 0.00 ng

RT: 22.75 min Scan# 2024

Delta R.T. 0.01 min

Lab File: BM001052.D

Acq: 18 Apr 2015 09:13

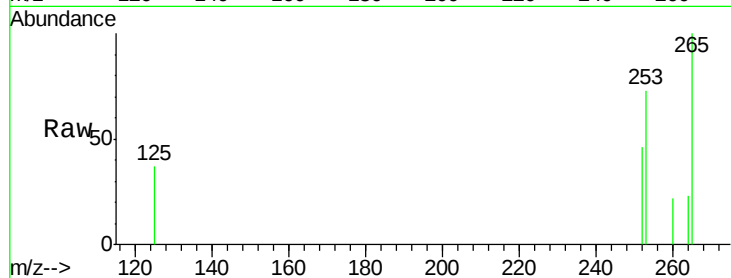
Tot Ion:252 Resp: 42

Ion Ratio Lower Upper

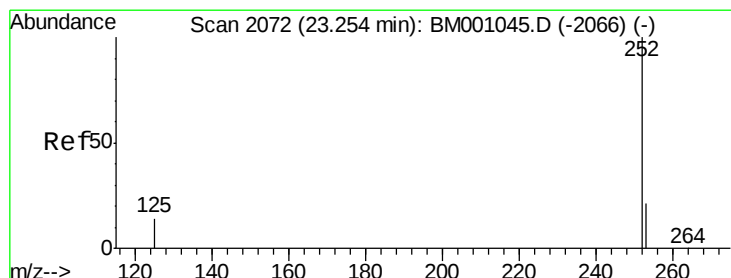
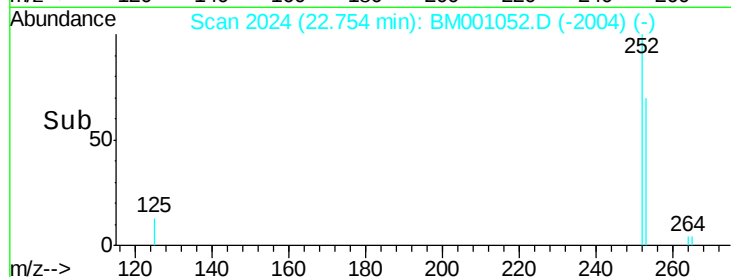
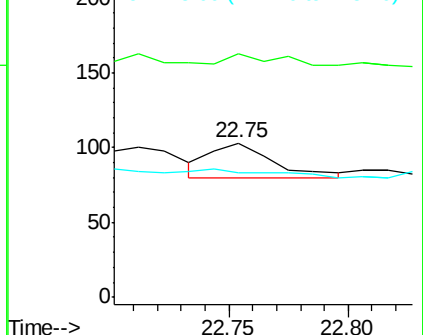
252 100

253 158.3 18.3 27.5#

125 80.6 10.6 15.8#



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



#28

Benzo(a)pyrene

Concen: 0.00 ng

RT: 23.25 min Scan# 2072

Delta R.T. 0.00 min

Lab File: BM001052.D

Acq: 18 Apr 2015 09:13

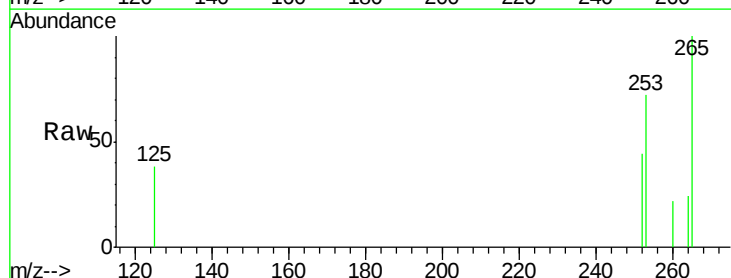
Tgt Ion:252 Resp: 56

Ion Ratio Lower Upper

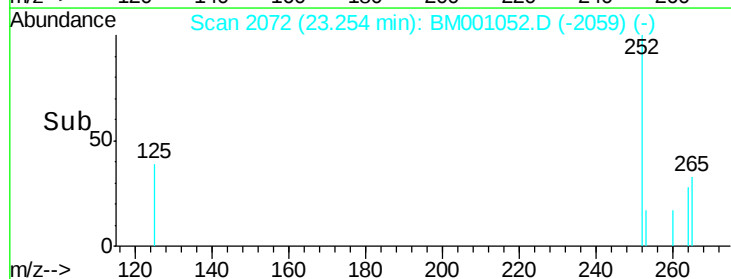
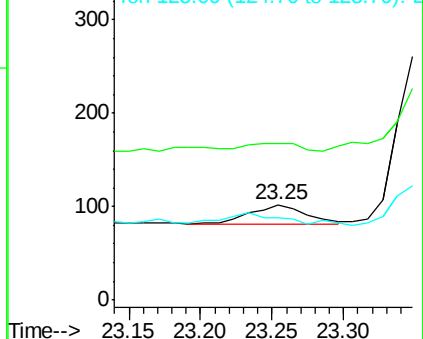
252 100

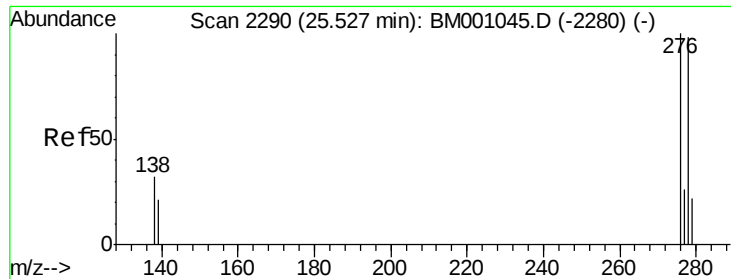
253 163.7 18.6 27.8#

125 86.3 11.9 17.9#



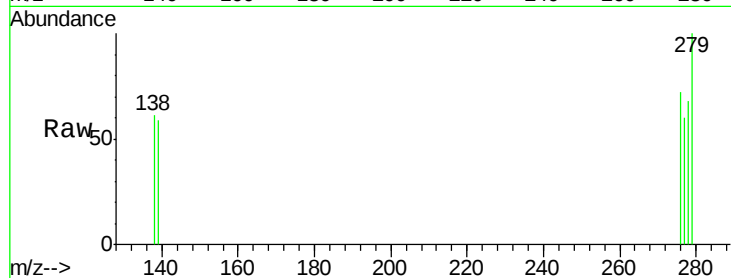
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



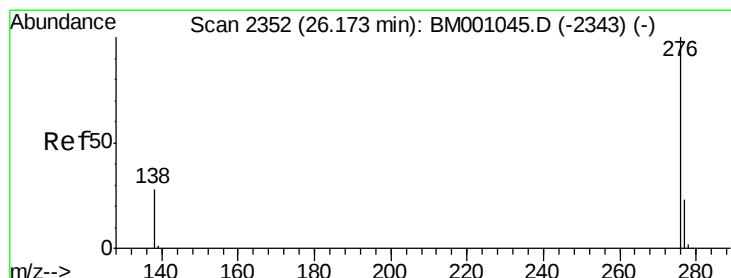
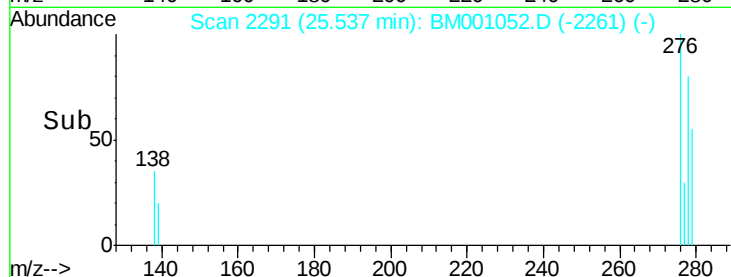
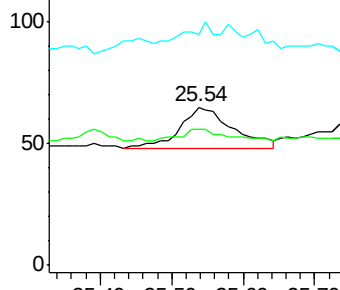


#29
Dibenzo(a,h)anthracene
Concen: 0.00 ng
RT: 25.54 min Scan# 2291
Delta R.T. 0.01 min
Lab File: BM001052.D
Acq: 18 Apr 2015 09:13

Tot Ion: 278 Resp: 88
Ion Ratio Lower Upper
278 100
139 86.2 18.2 27.2#
279 146.2 19.1 28.7#

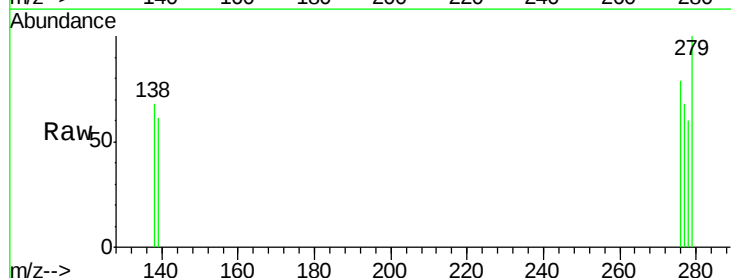


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#30
Benzo(g,h,i)perylene
Concen: 0.00 ng
RT: 26.19 min Scan# 2354
Delta R.T. 0.02 min
Lab File: BM001052.D
Acq: 18 Apr 2015 09:13

Tgt Ion: 276 Resp: 87
Ion Ratio Lower Upper
276 100
277 86.6 19.0 28.4#
138 86.6 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

