

Data Path : Z:\HPCHEM1\BNA M\DATA\BM041815\
 Data File : BM001064.D
 Acq On : 18 Apr 2015 17:35
 Operator : TP/IZ
 Sample : G1802-01MSD 10X
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

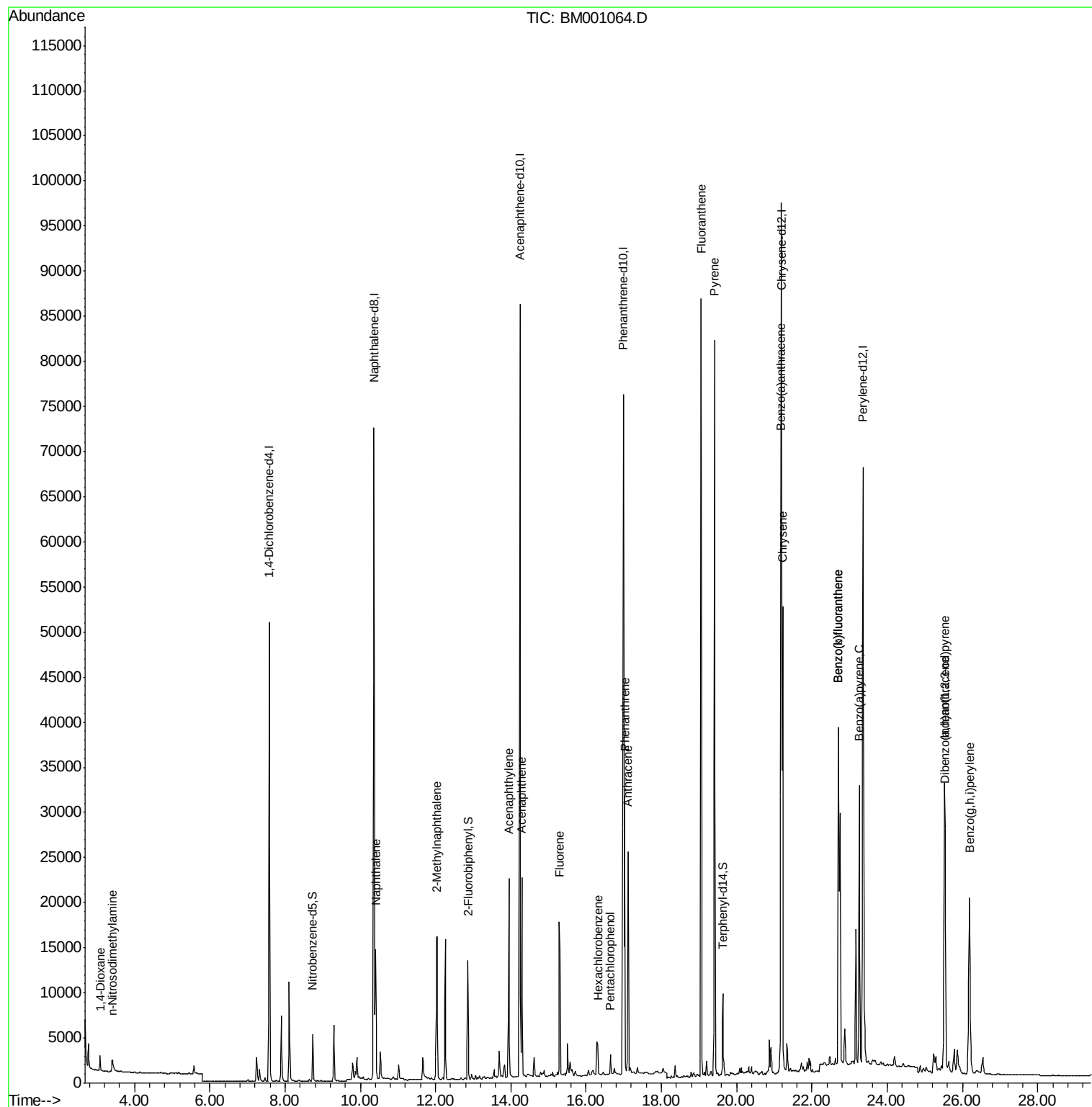
Quant Time: Apr 20 08:19:26 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SIMPAH-BM041815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 20 08:05:22 2015
 Response via : Initial Calibration

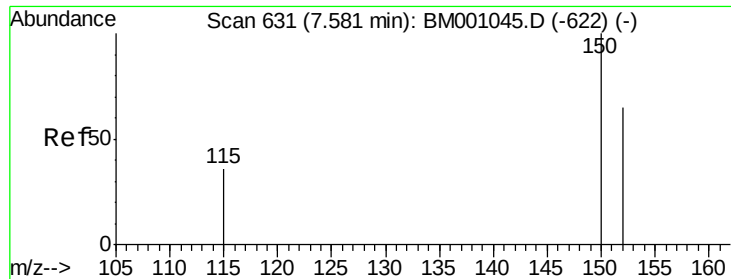
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.58	152	25224	5.00	ng	0.00
4) Naphthalene-d8	10.36	136	93905	5.00	ng	0.00
8) Acenaphthene-d10	14.24	164	50137	5.00	ng	0.00
13) Phenanthrene-d10	16.99	188	105009	5.00	ng	0.00
19) Chrysene-d12	21.19	240	85218	5.00	ng	0.00
25) Perylene-d12	23.36	264	80234	5.00	ng	0.00
System Monitoring Compounds						
5) Nitrobenzene-d5	8.74	82	4420	0.90	ng	0.00
9) 2-Fluorobiphenyl	12.86	172	13291	0.80	ng	0.00
21) Terphenyl-d14	19.63	244	9838	0.87	ng	0.00
Target Compounds						Ovalue
2) 1,4-Dioxane	3.08	88	1860	0.65	ng	# 100
3) n-Nitrosodimethylamine	3.41	42	1601	0.60	ng	# 92
6) Naphthalene	10.41	128	19161	0.85	ng	100
7) 2-Methylnaphthalene	12.04	142	11824	0.82	ng	96
10) Acenaphthylene	13.95	152	25596	1.16	ng	99
11) Acenaphthene	14.29	154	12043	0.78	ng	100
12) Fluorene	15.29	166	15281	0.86	ng	99
14) Hexachlorobenzene	16.31	284	4634	0.80	ng	# 100
15) Pentachlorophenol	16.64	266	2303	1.36	ng	97
16) Phenanthrene	17.03	178	39602	1.42	ng	100
17) Anthracene	17.11	178	27919	1.09	ng	97
18) Fluoranthene	19.05	202	74010	2.55	ng	99
20) Pyrene	19.42	202	72458	2.57	ng	97
22) Benzo(a)anthracene	21.17	228	48696	1.97	ng	96
23) Chrysene	21.22	228	46692	1.80	ng	98
24) Indeno(1,2,3-cd)pyrene	25.53	276	39739	1.50	ng	97
26) Benzo(b)fluoranthene	22.70	252	59645	2.31	ng	# 97
27) Benzo(k)fluoranthene	22.70	252	59645	2.41	ng	# 96
28) Benzo(a)pyrene	23.25	252	43019	1.95	ng	96
29) Dibenzo(a,h)anthracene	25.54	278	21050	0.97	ng	98
30) Benzo(g,h,i)perylene	26.18	276	37650	1.59	ng	99

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

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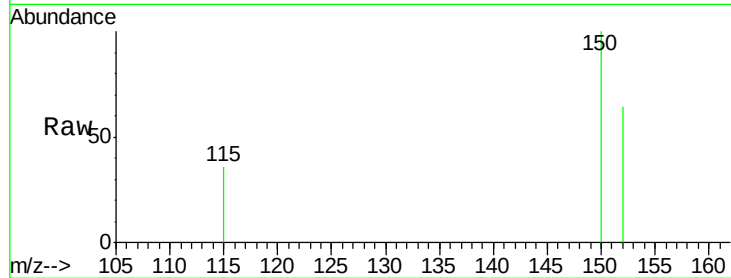




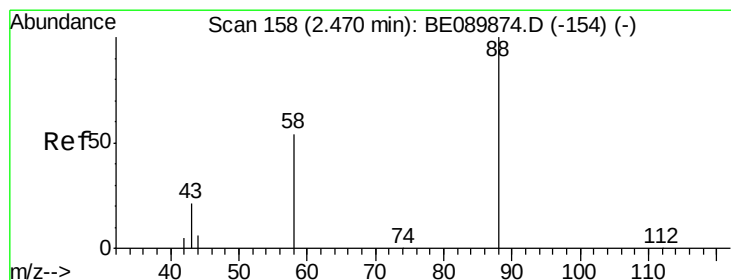
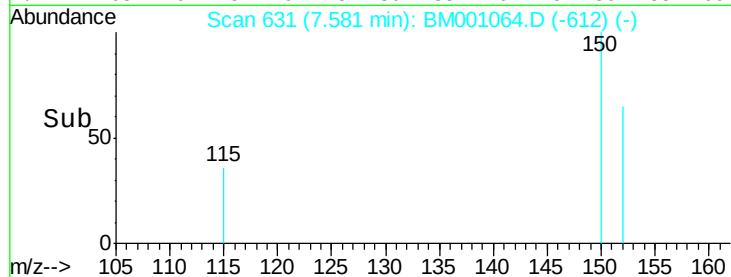
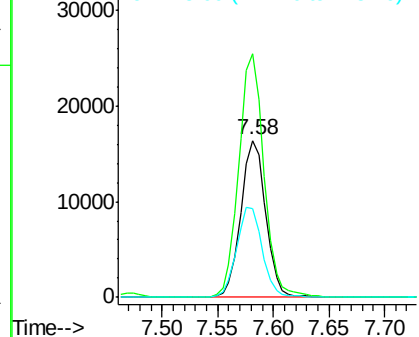
#1

1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.58 min Scan# 631
Delta R.T. 0.00 min
Lab File: BM001064.D
Acq: 18 Apr 2015 17:35

Tot Ion:152 Resp: 25224
Ion Ratio Lower Upper
152 100
150 155.3 123.3 184.9
115 56.4 45.0 67.6



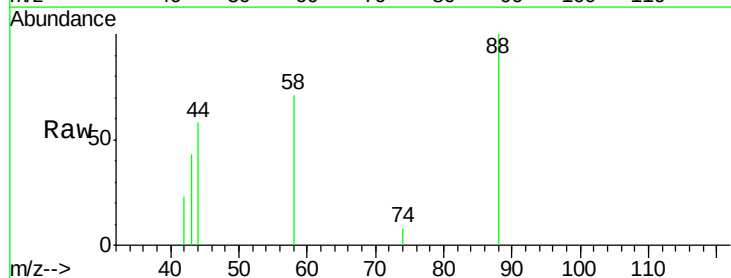
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



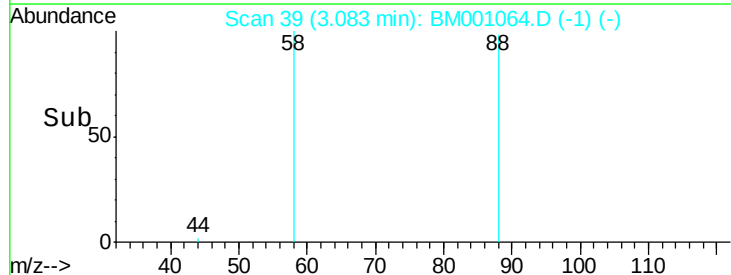
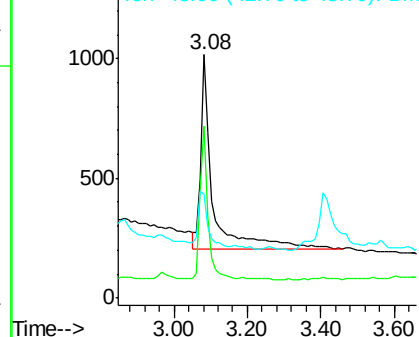
#2

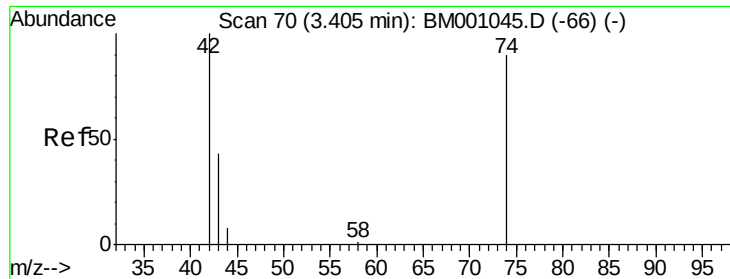
1,4-Dioxane
Concen: 0.65 ng
RT: 3.08 min Scan# 39
Delta R.T. 0.00 min
Lab File: BM001064.D
Acq: 18 Apr 2015 17:35

Tgt Ion: 88 Resp: 1860
Ion Ratio Lower Upper
88 100
58 51.4 0.0 0.0#
43 22.2 0.0 0.0#



Abundance Ion 88.00 (87.70 to 88.70): BM0
Ion 58.00 (57.70 to 58.70): BM0
Ion 43.00 (42.70 to 43.70): BM0





#3

n-Nitrosodimethylamine

Concen: 0.60 ng

RT: 3.41 min Scan# 70

Delta R.T. 0.00 min

Lab File: BM001064.D

Acq: 18 Apr 2015 17:35

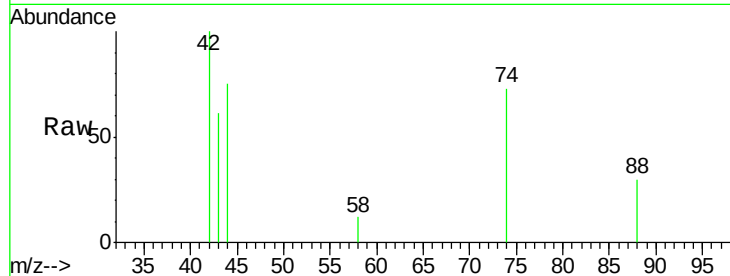
Tot Ion: 42 Resp: 1601

Ion Ratio Lower Upper

42 100

74 106.7 92.1 138.1

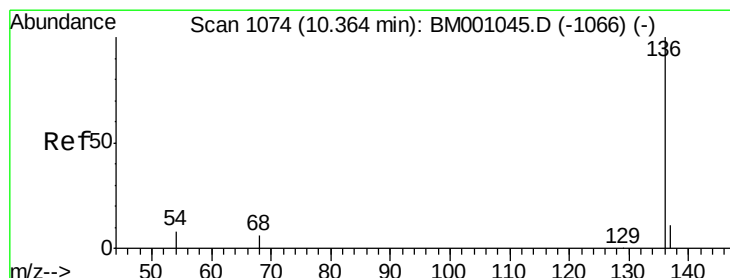
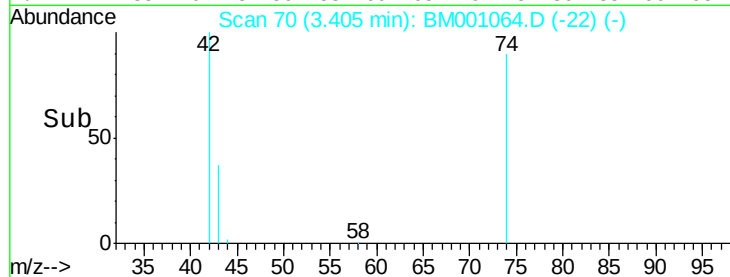
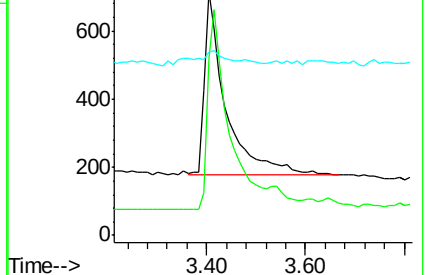
44 5.4 5.8 8.6#



Abundance Ion 42.00 (41.70 to 42.70): BM001045.D (-66) (-)

Ion 74.00 (73.70 to 74.70): BM001045.D (-66) (-)

Ion 44.00 (43.70 to 44.70): BM001045.D (-66) (-)



#4

Naphthalene-d8

Concen: 5.00 ng

RT: 10.36 min Scan# 1074

Delta R.T. 0.00 min

Lab File: BM001064.D

Acq: 18 Apr 2015 17:35

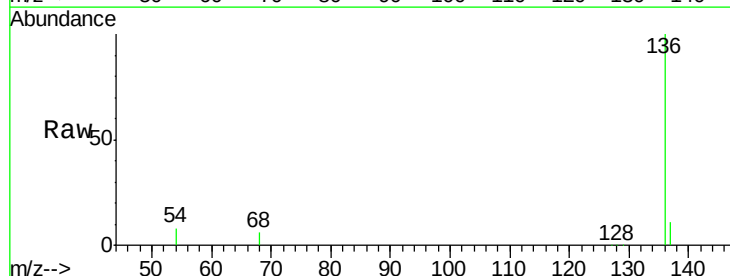
Tgt Ion: 136 Resp: 93905

Ion Ratio Lower Upper

136 100

137 10.8 8.6 13.0

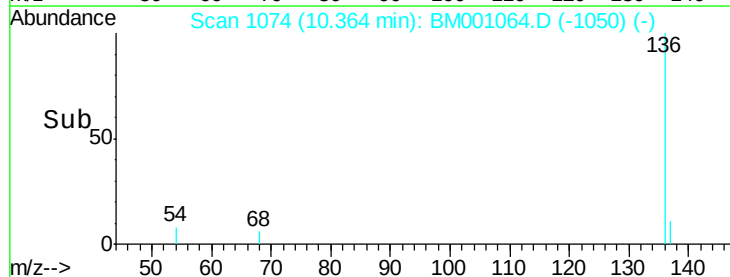
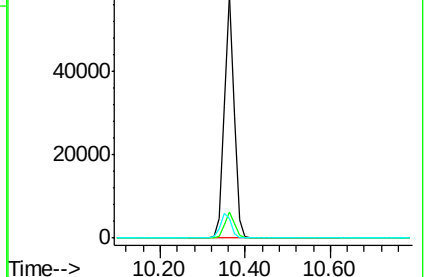
54 7.8 6.5 9.7

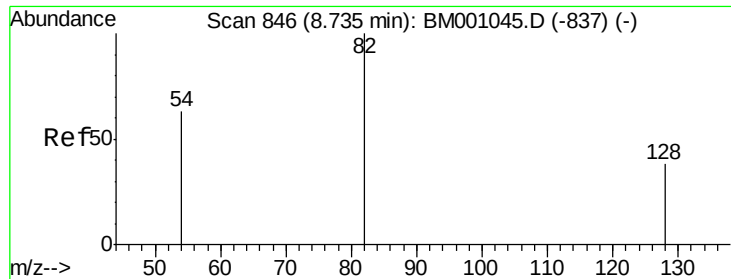


Abundance Ion 136.00 (135.70 to 136.70): BM001045.D (-1066) (-)

Ion 137.00 (136.70 to 137.70): BM001045.D (-1066) (-)

Ion 54.00 (53.70 to 54.70): BM001045.D (-1066) (-)





#5

Nitrobenzene-d5

Concen: 0.90 ng

RT: 8.74 min Scan# 846

Delta R.T. 0.00 min

Lab File: BM001064.D

Acq: 18 Apr 2015 17:35

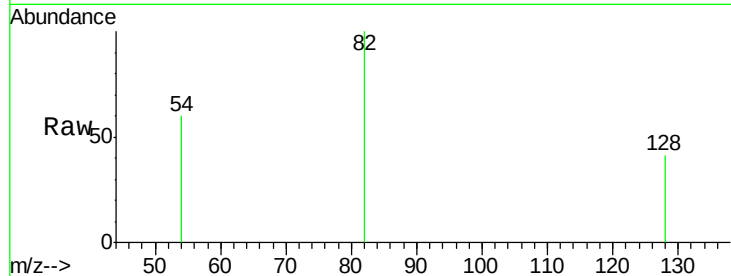
Tot Ion: 82 Resp: 4420

Ion Ratio Lower Upper

82 100

128 41.5 31.9 47.9

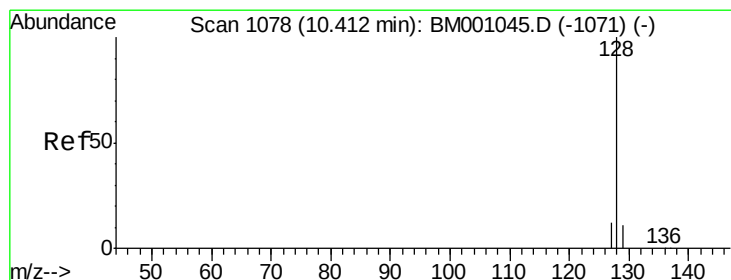
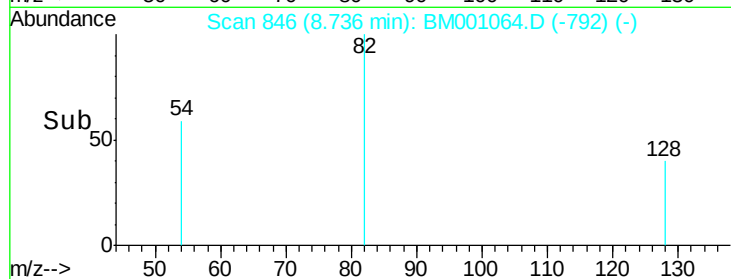
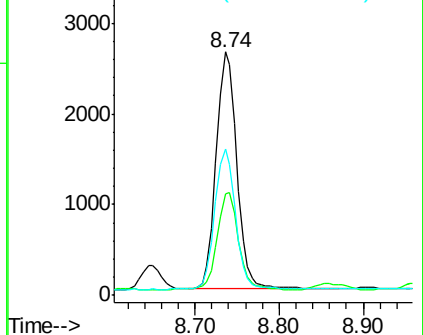
54 60.2 51.3 76.9



Abundance Ion 82.00 (81.70 to 82.70): BM001064.D (-792) (-)

Ion 128.00 (127.70 to 128.70): BM001064.D (-792) (-)

Ion 54.00 (53.70 to 54.70): BM001064.D (-792) (-)



#6

Naphthalene

Concen: 0.85 ng

RT: 10.41 min Scan# 1078

Delta R.T. 0.00 min

Lab File: BM001064.D

Acq: 18 Apr 2015 17:35

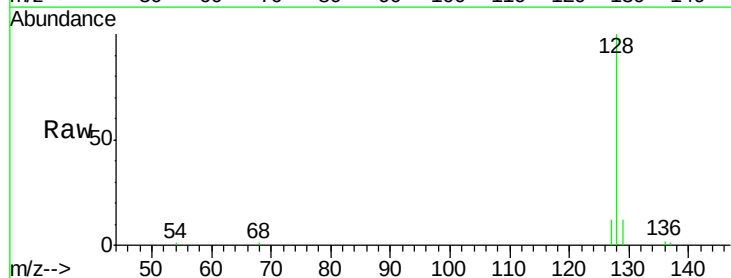
Tgt Ion: 128 Resp: 19161

Ion Ratio Lower Upper

128 100

129 11.8 9.3 13.9

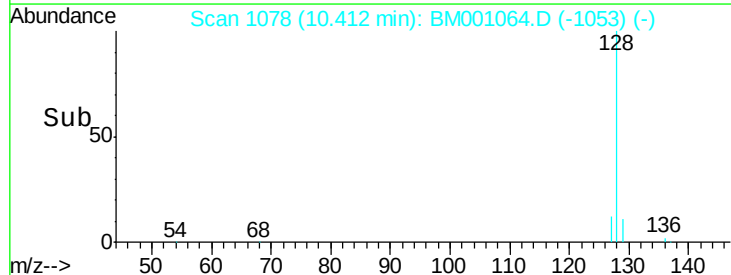
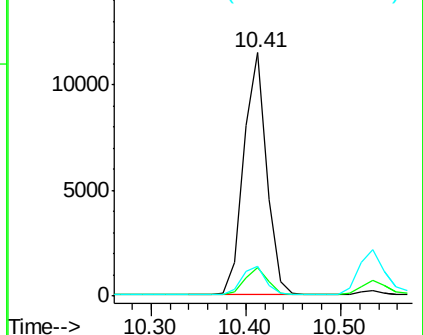
127 12.4 10.0 15.0

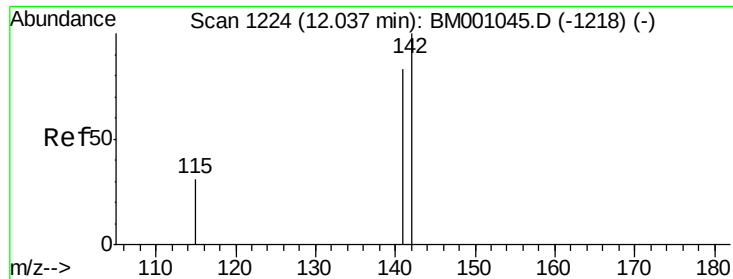


Abundance Ion 128.00 (127.70 to 128.70): BM001064.D (-1053) (-)

Ion 129.00 (128.70 to 129.70): BM001064.D (-1053) (-)

Ion 127.00 (126.70 to 127.70): BM001064.D (-1053) (-)





#7

2-Methylnaphthalene

Concen: 0.82 ng

RT: 12.04 min Scan# 1224

Delta R.T. 0.00 min

Lab File: BM001064.D

Acq: 18 Apr 2015 17:35

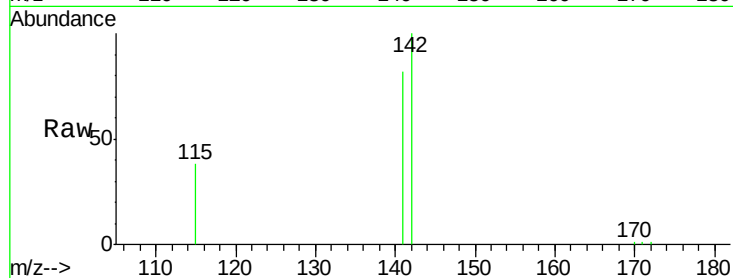
Tot Ion:142 Resp: 11824

Ion Ratio Lower Upper

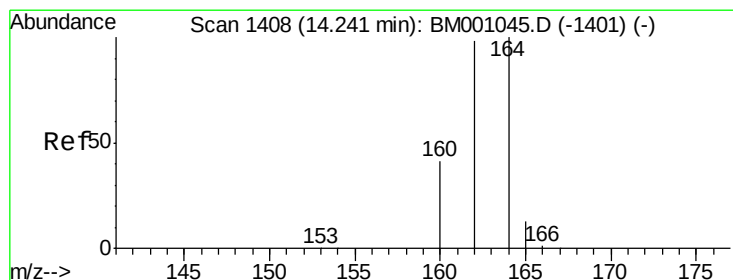
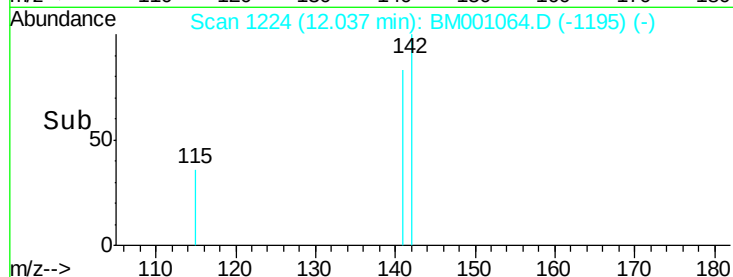
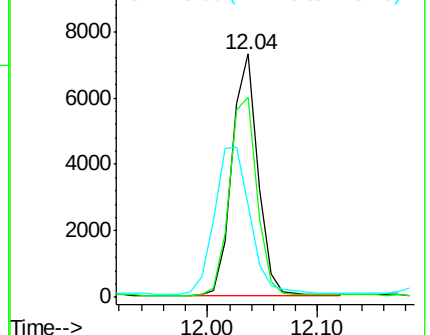
142 100

141 82.0 66.7 100.1

115 37.9 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: BM001064.D

Acq: 18 Apr 2015 17:35

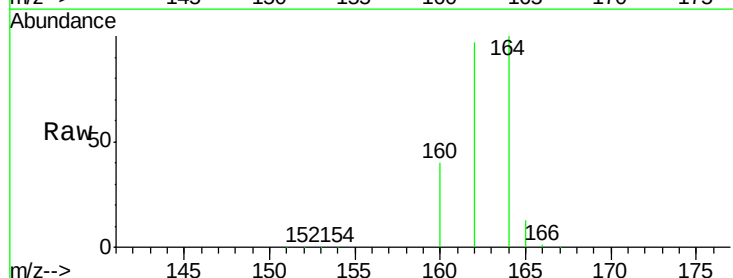
Tgt Ion:164 Resp: 50137

Ion Ratio Lower Upper

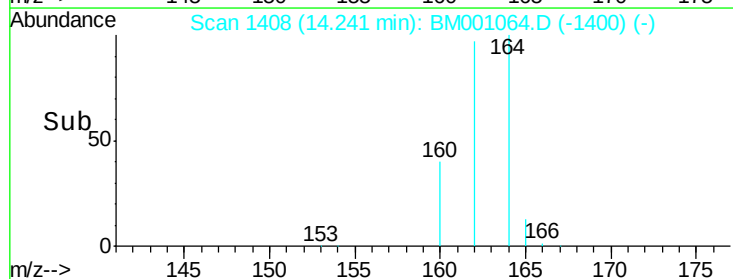
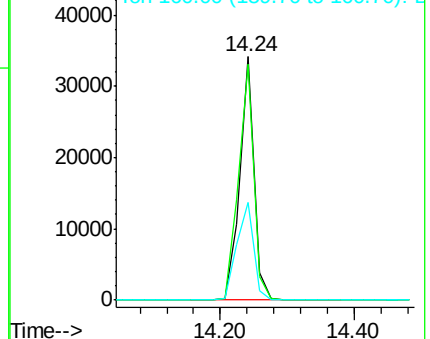
164 100

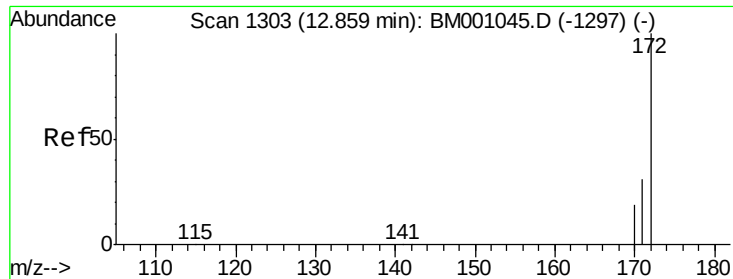
162 97.0 78.5 117.7

160 40.1 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: 0.80 ng

RT: 12.86 min Scan# 1303

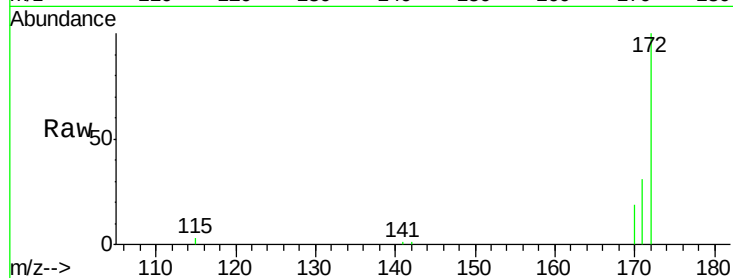
Delta R.T. 0.00 min

Lab File: BM001064.D

Acq: 18 Apr 2015 17:35

Tot Ion:172 Resp: 13291

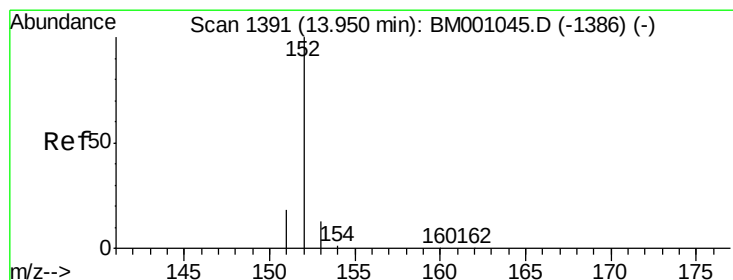
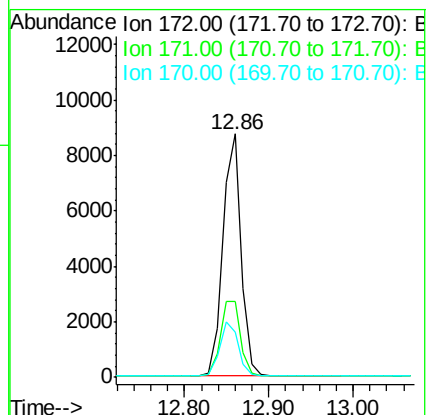
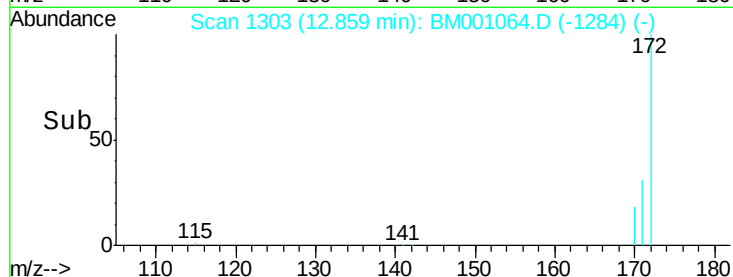
Ion	Ratio	Lower	Upper
172	100		
171	31.4	25.6	38.4
170	18.8	15.8	23.6



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: 1.16 ng

RT: 13.95 min Scan# 1391

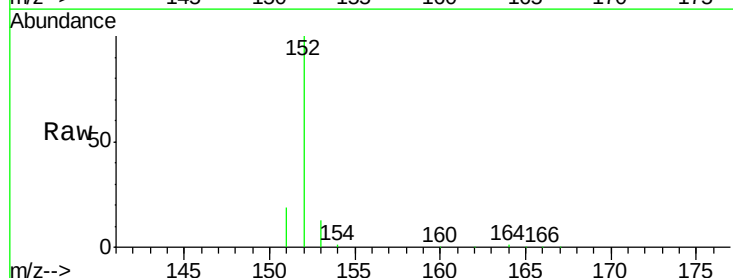
Delta R.T. 0.00 min

Lab File: BM001064.D

Acq: 18 Apr 2015 17:35

Tgt Ion:152 Resp: 25596

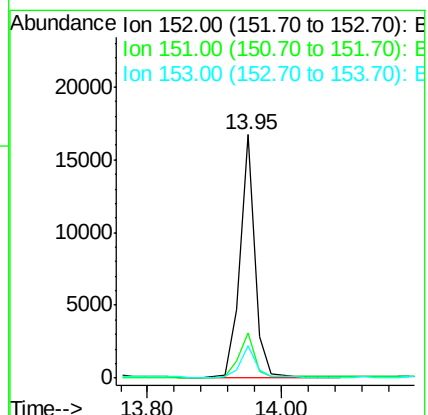
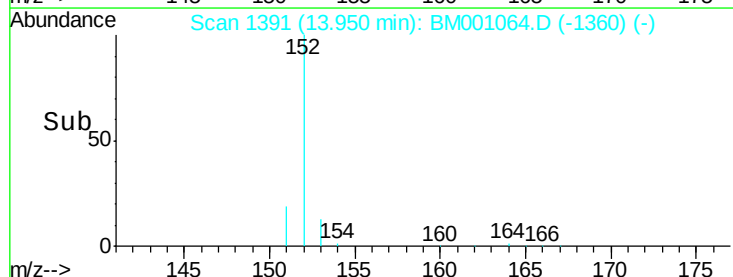
Ion	Ratio	Lower	Upper
152	100		
151	19.0	14.7	22.1
153	13.3	10.2	15.2

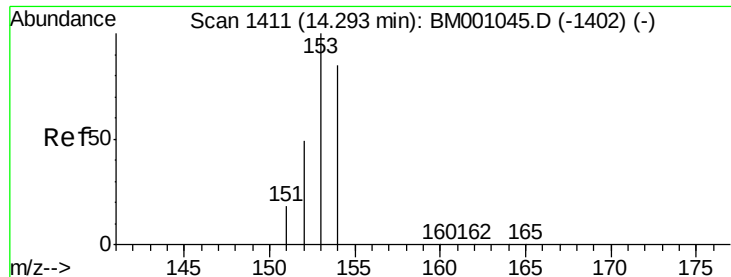


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

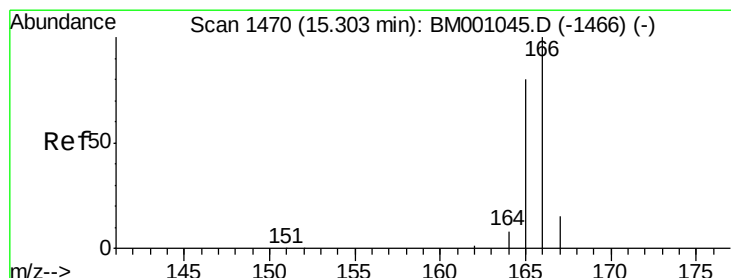
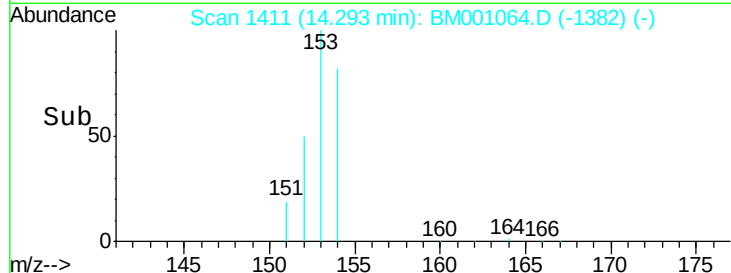
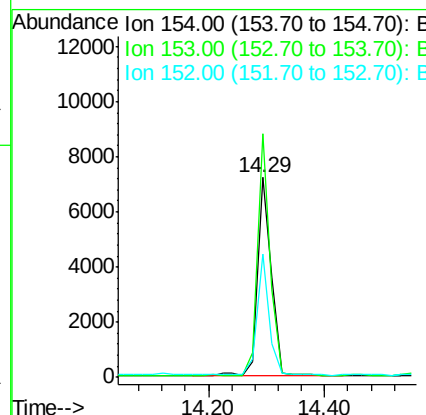
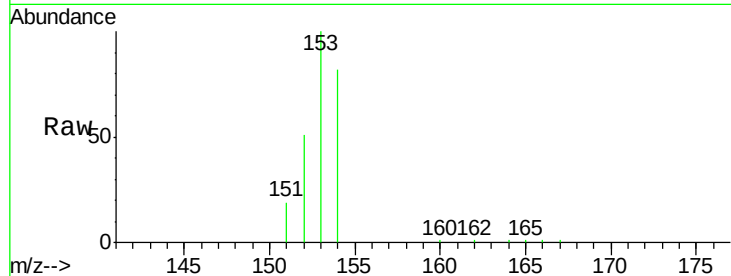
Ion 153.00 (152.70 to 153.70): E





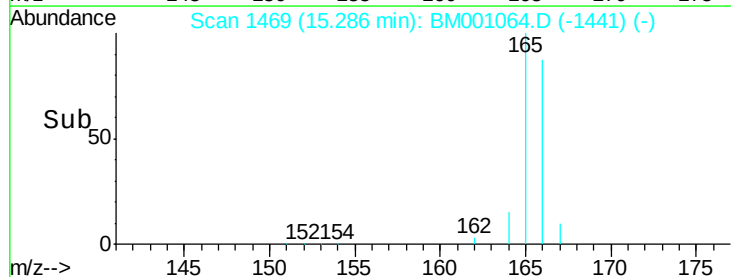
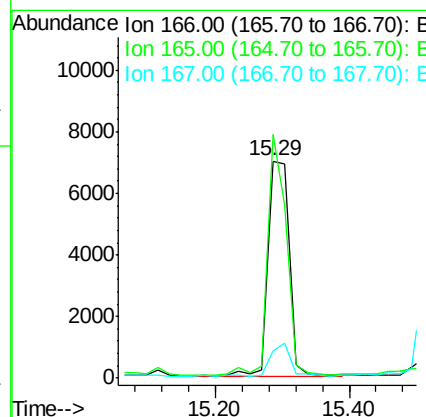
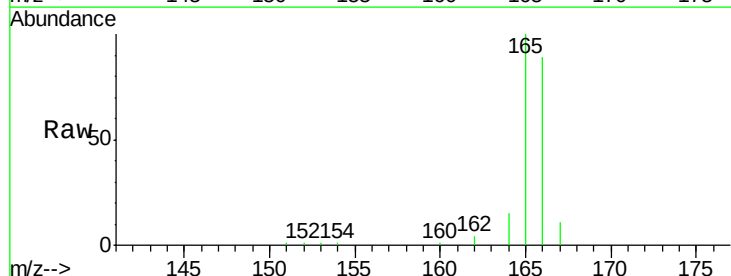
#11
Acenaphthene
Concen: 0.78 ng
RT: 14.29 min Scan# 1411
Delta R.T. 0.00 min
Lab File: BM001064.D
Acq: 18 Apr 2015 17:35

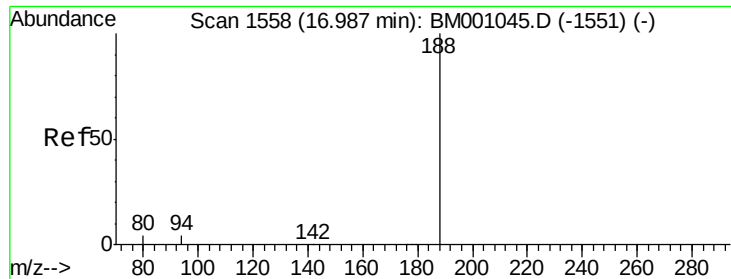
Tot Ion:154 Resp: 12043
Ion Ratio Lower Upper
154 100
153 109.8 88.1 132.1
152 53.1 42.3 63.5



#12
Fluorene
Concen: 0.86 ng
RT: 15.29 min Scan# 1469
Delta R.T. -0.02 min
Lab File: BM001064.D
Acq: 18 Apr 2015 17:35

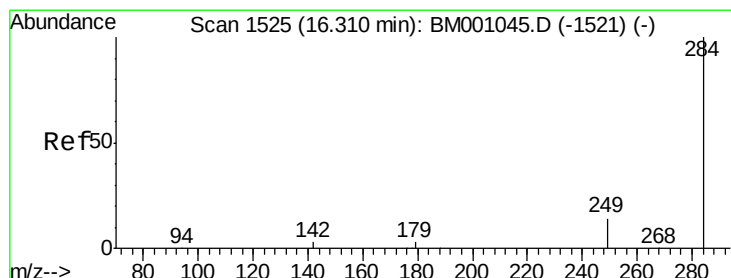
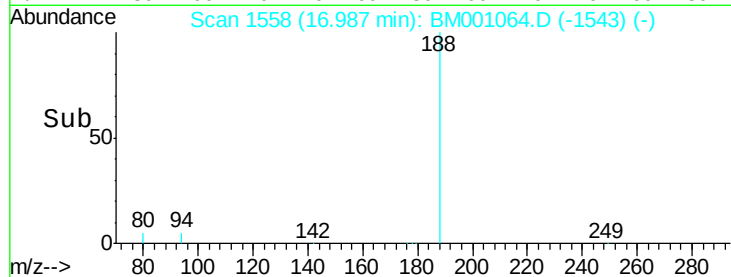
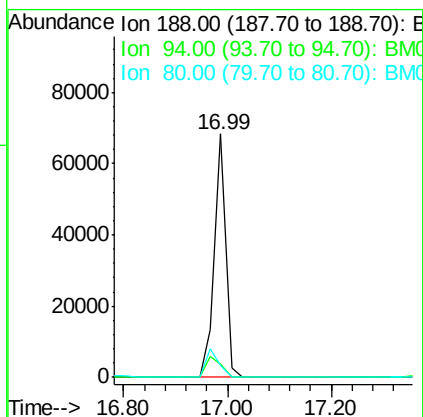
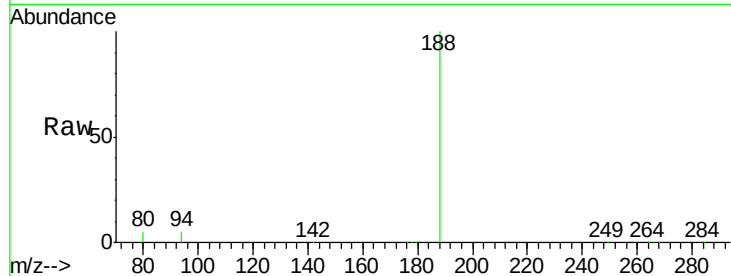
Tgt Ion:166 Resp: 15281
Ion Ratio Lower Upper
166 100
165 97.9 77.6 116.4
167 13.4 10.6 16.0





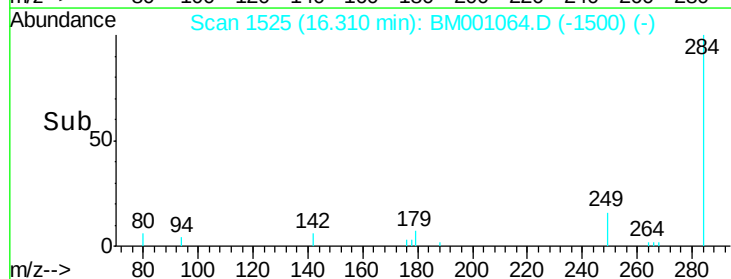
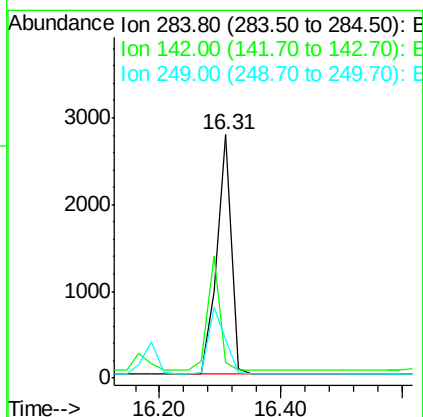
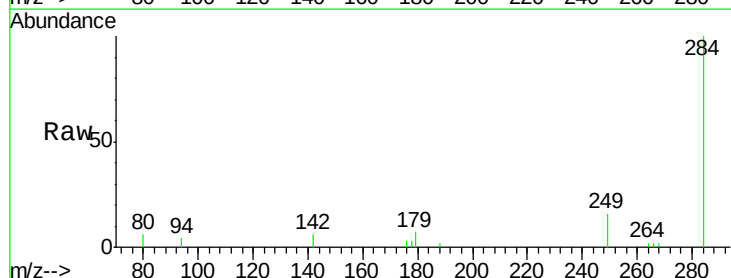
#13
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.99 min Scan# 1558
Delta R.T. 0.00 min
Lab File: BM001064.D
Acq: 18 Apr 2015 17:35

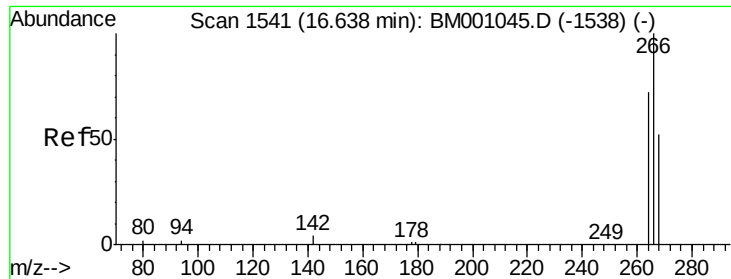
Tot Ion:188 Resp: 105009
Ion Ratio Lower Upper
188 100
94 5.4 3.6 5.4#
80 4.9 3.0 4.6#



#14
Hexachlorobenzene
Concen: 0.80 ng
RT: 16.31 min Scan# 1525
Delta R.T. 0.00 min
Lab File: BM001064.D
Acq: 18 Apr 2015 17:35

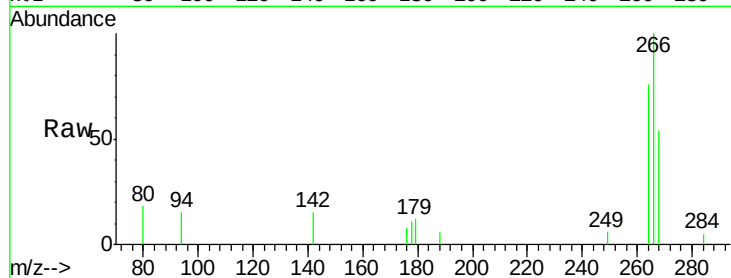
Tgt Ion:284 Resp: 4634
Ion Ratio Lower Upper
284 100
142 0.0 0.0 0.0
249 0.0 0.0 0.0



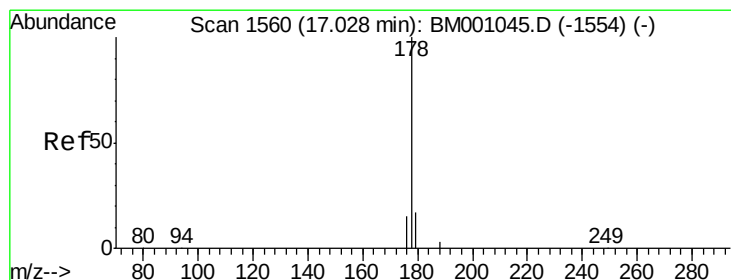
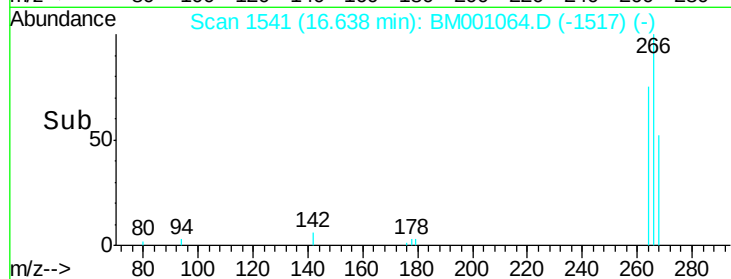
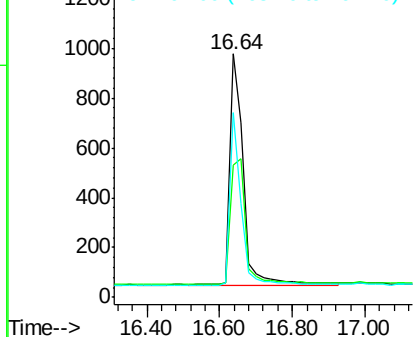


#15
 Pentachlorophenol
 Concen: 1.36 ng
 RT: 16.64 min Scan# 1541
 Delta R.T. 0.00 min
 Lab File: BM001064.D
 Acq: 18 Apr 2015 17:35

Tot Ion	Ratio	Lower	Upper
266	100		
268	54.4	46.3	69.5
264	75.7	59.8	89.6

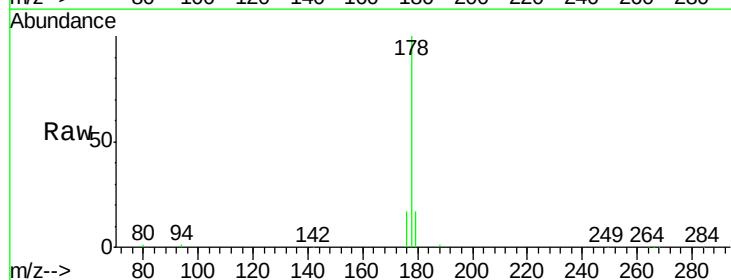


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

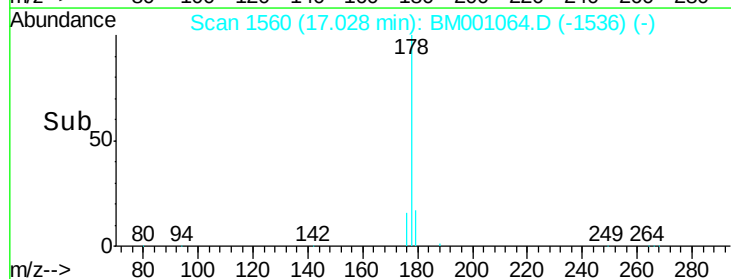
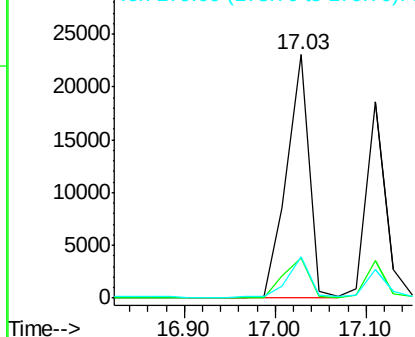


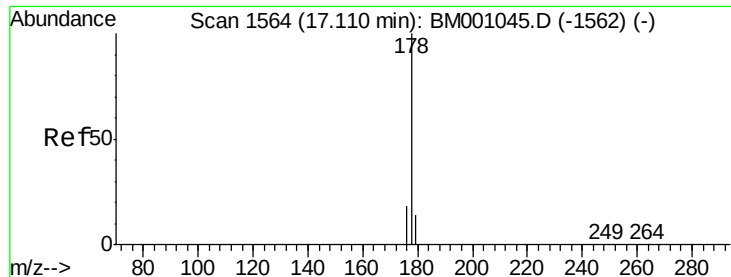
#16
 Phenanthrene
 Concen: 1.42 ng
 RT: 17.03 min Scan# 1560
 Delta R.T. 0.00 min
 Lab File: BM001064.D
 Acq: 18 Apr 2015 17:35

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.6	22.0
179	15.9	12.6	19.0



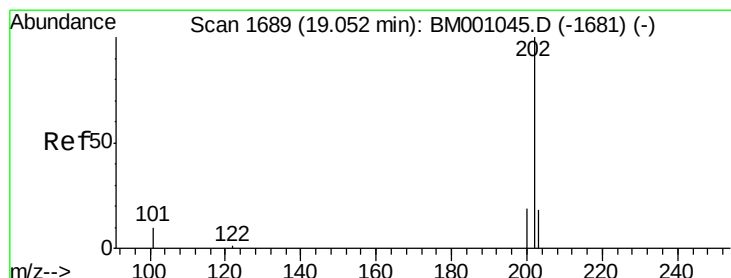
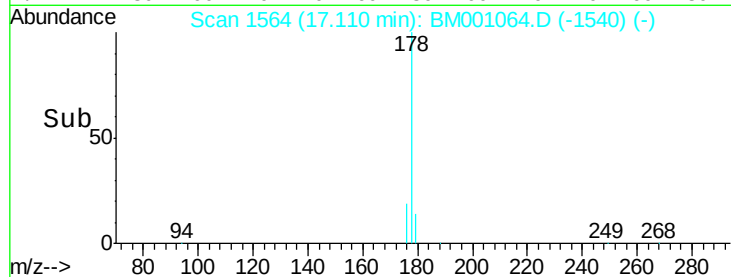
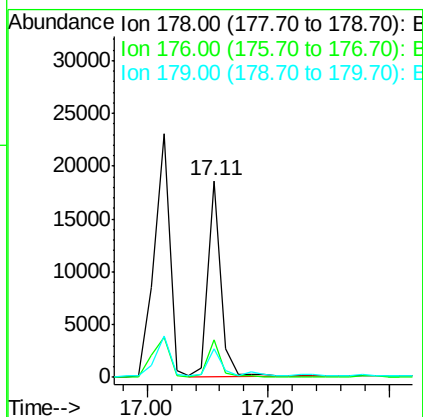
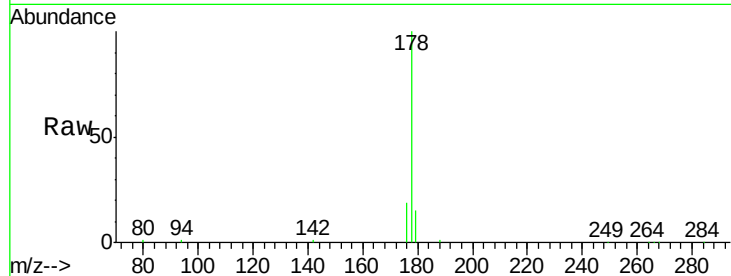
Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E





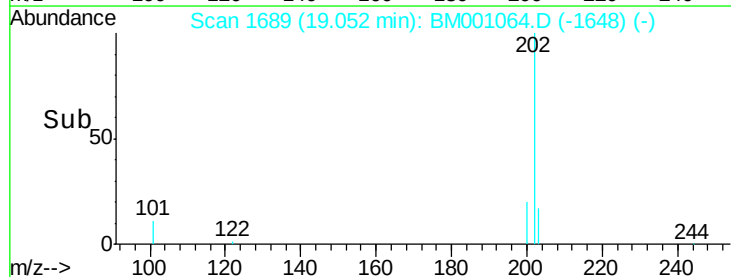
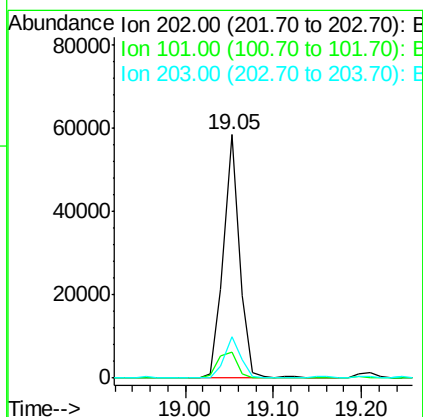
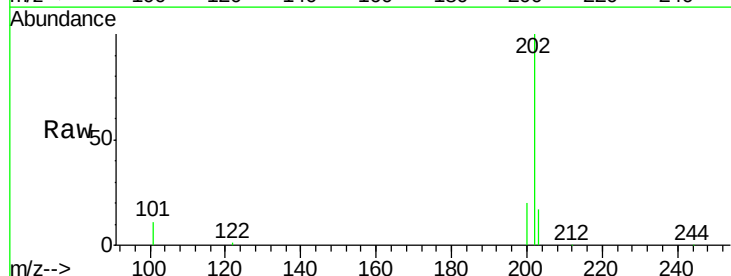
#17
 Anthracene
 Concen: 1.09 ng
 RT: 17.11 min Scan# 1564
 Delta R.T. 0.00 min
 Lab File: BM001064.D
 Acq: 18 Apr 2015 17:35

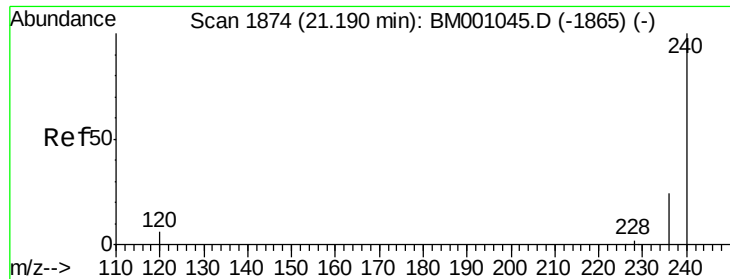
Tot Ion:178 Resp: 27919
 Ion Ratio Lower Upper
 178 100
 176 18.5 14.3 21.5
 179 17.0 11.8 17.8



#18
 Fluoranthene
 Concen: 2.55 ng
 RT: 19.05 min Scan# 1689
 Delta R.T. 0.00 min
 Lab File: BM001064.D
 Acq: 18 Apr 2015 17:35

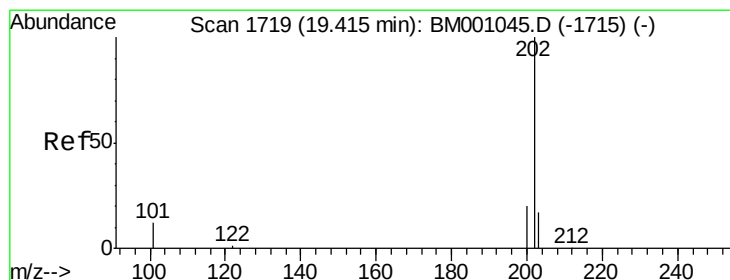
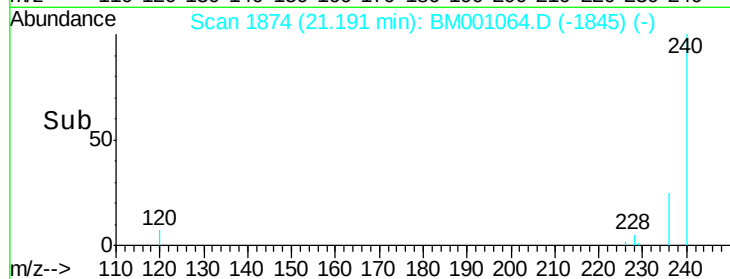
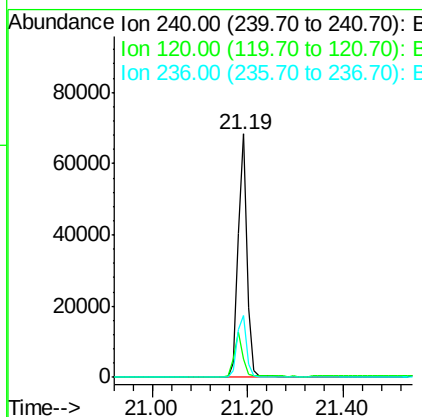
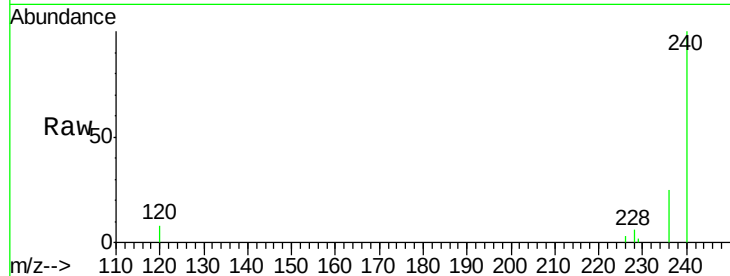
Tgt Ion:202 Resp: 74010
 Ion Ratio Lower Upper
 202 100
 101 12.8 10.1 15.1
 203 16.9 13.8 20.8





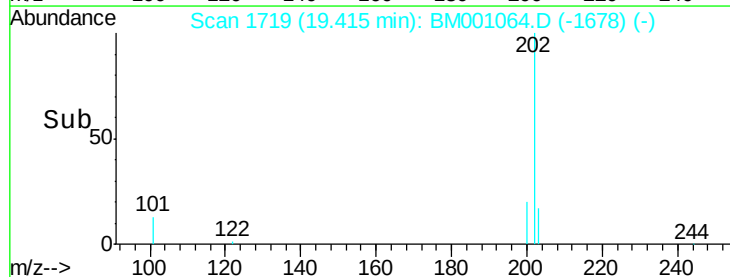
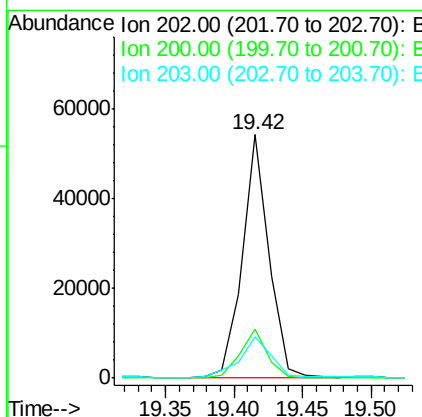
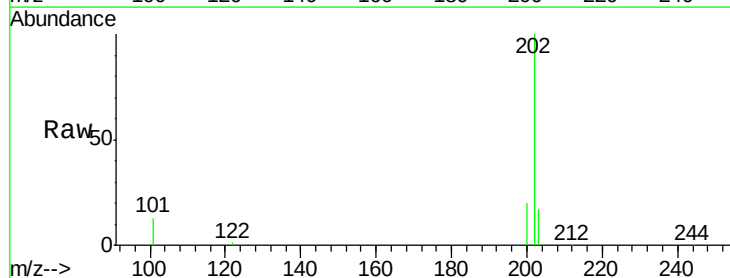
#19
Chrysene-d12
Concen: 5.00 ng
RT: 21.19 min Scan# 1874
Delta R.T. 0.00 min
Lab File: BM001064.D
Acq: 18 Apr 2015 17:35

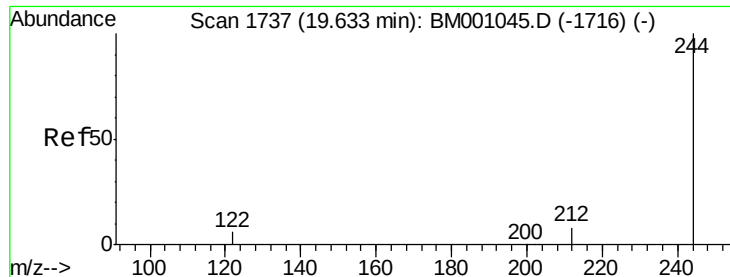
Tot Ion:240 Resp: 85218
Ion Ratio Lower Upper
240 100
120 7.5 4.6 6.8#
236 25.5 19.1 28.7



#20
Pyrene
Concen: 2.57 ng
RT: 19.42 min Scan# 1719
Delta R.T. 0.00 min
Lab File: BM001064.D
Acq: 18 Apr 2015 17:35

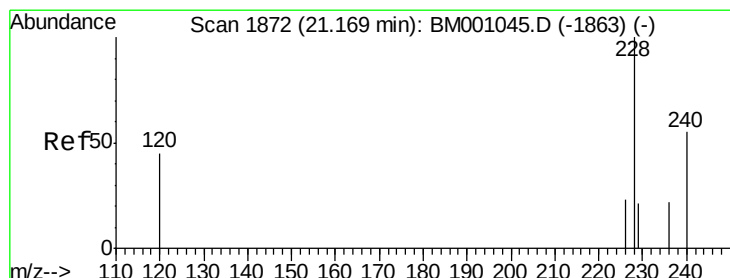
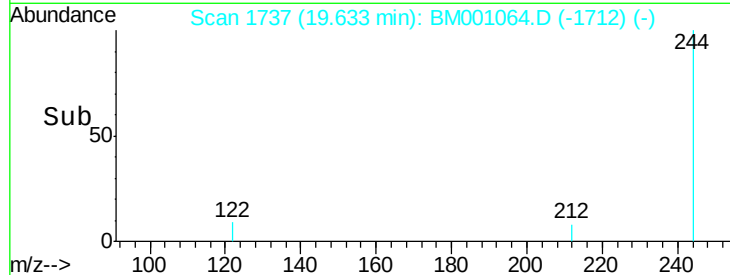
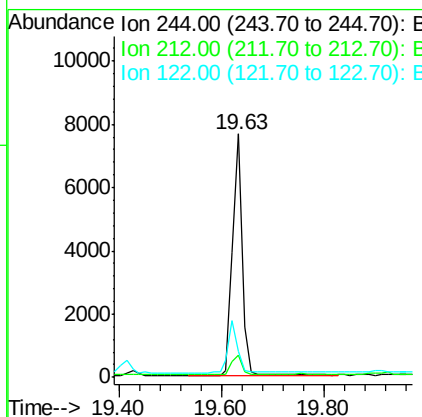
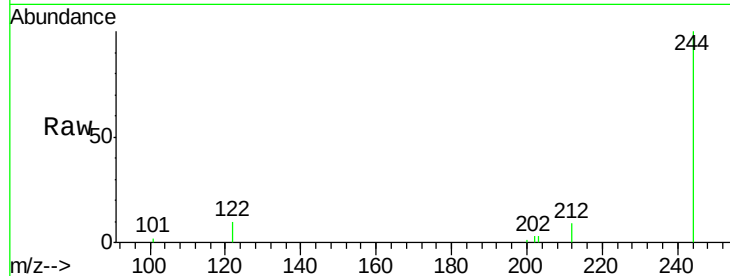
Tgt Ion:202 Resp: 72458
Ion Ratio Lower Upper
202 100
200 20.3 16.3 24.5
203 20.4 13.8 20.6





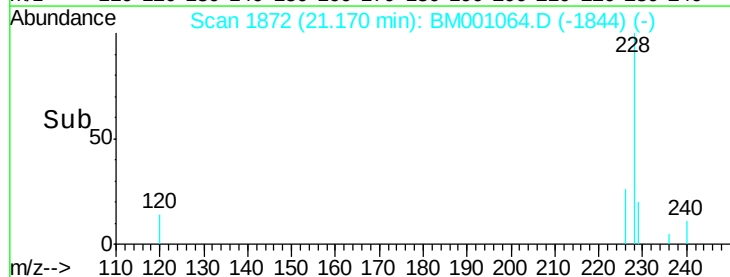
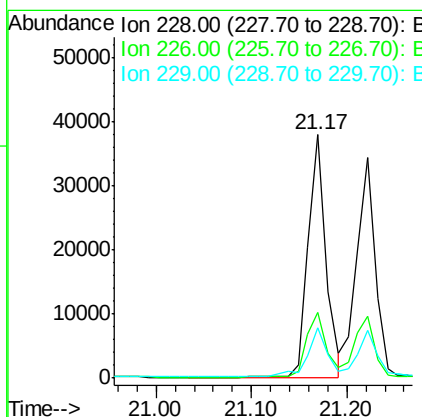
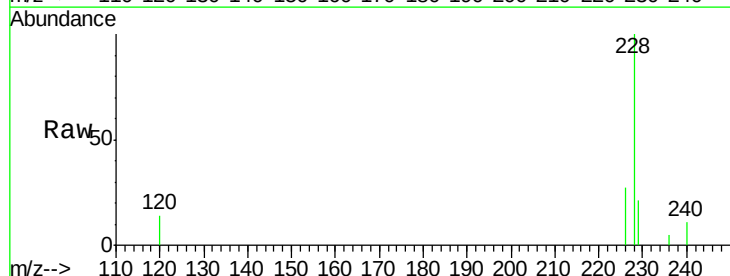
#21
 Terphenyl-d14
 Concen: 0.87 ng
 RT: 19.63 min Scan# 1737
 Delta R.T. 0.00 min
 Lab File: BM001064.D
 Acq: 18 Apr 2015 17:35

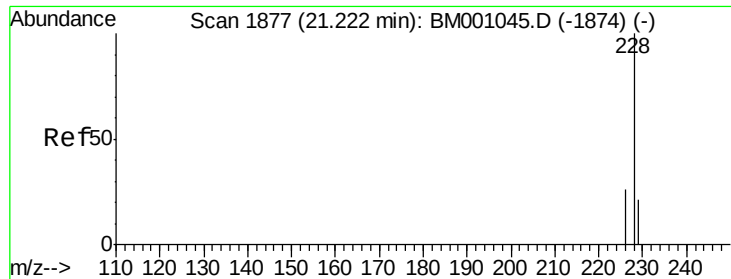
Tot Ion:244 Resp: 9838
 Ion Ratio Lower Upper
 244 100
 212 9.2 7.1 10.7
 122 10.4 5.9 8.9#



#22
 Benzo(a)anthracene
 Concen: 1.97 ng
 RT: 21.17 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: BM001064.D
 Acq: 18 Apr 2015 17:35

Tgt Ion:228 Resp: 48696
 Ion Ratio Lower Upper
 228 100
 226 27.0 19.0 28.6
 229 20.6 16.8 25.2





#23

Chrysene

Concen: 1.80 ng

RT: 21.22 min Scan# 1877

Delta R.T. 0.00 min

Lab File: BM001064.D

Acq: 18 Apr 2015 17:35

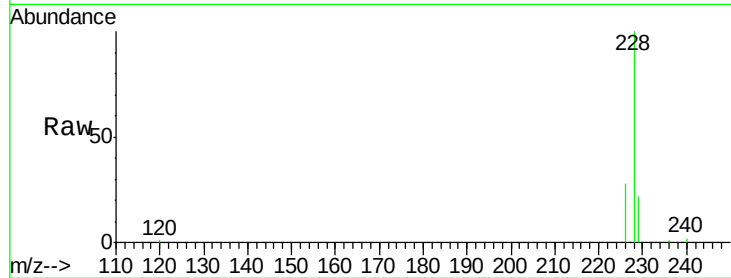
Tot Ion:228 Resp: 46692

Ion Ratio Lower Upper

228 100

226 27.9 20.6 31.0

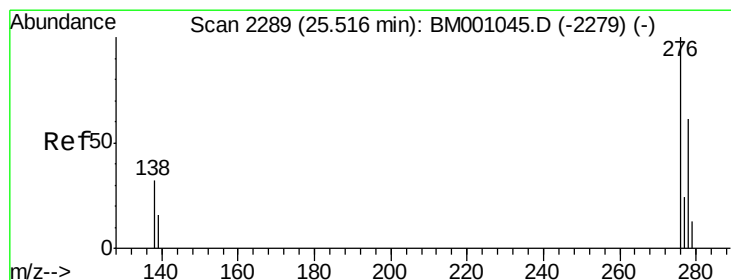
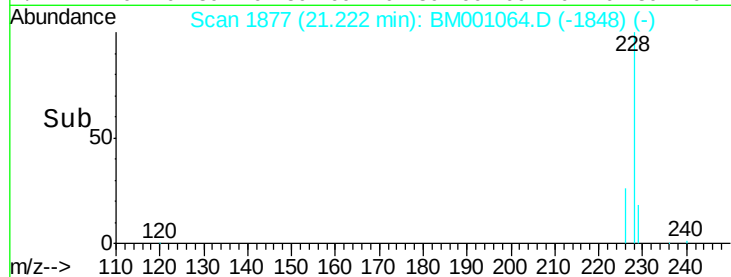
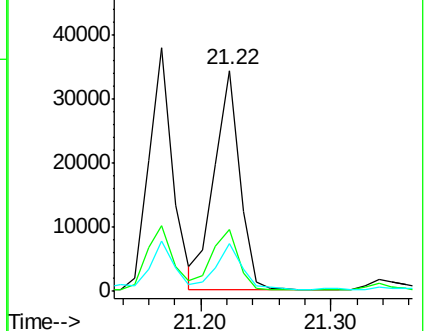
229 21.6 17.2 25.8



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#24

Indeno(1,2,3-cd)pyrene

Concen: 1.50 ng

RT: 25.53 min Scan# 2290

Delta R.T. 0.01 min

Lab File: BM001064.D

Acq: 18 Apr 2015 17:35

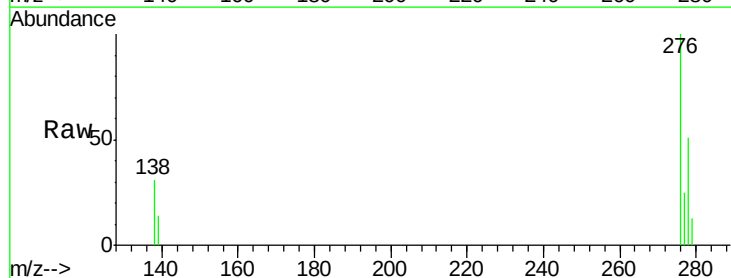
Tgt Ion:276 Resp: 39739

Ion Ratio Lower Upper

276 100

138 30.1 26.3 39.5

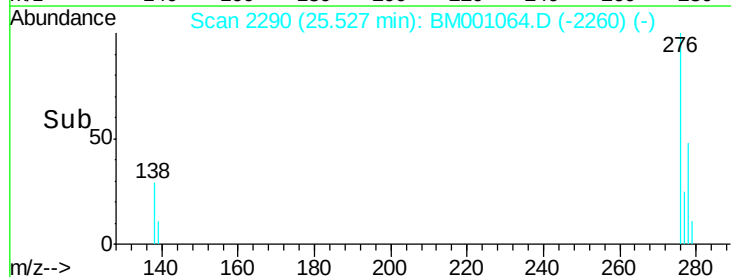
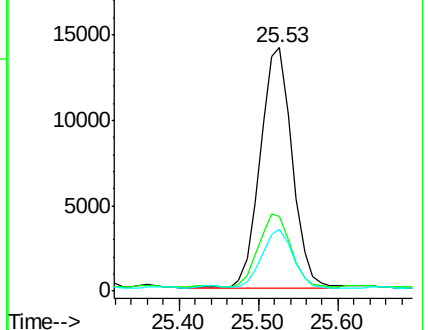
277 24.0 19.5 29.3

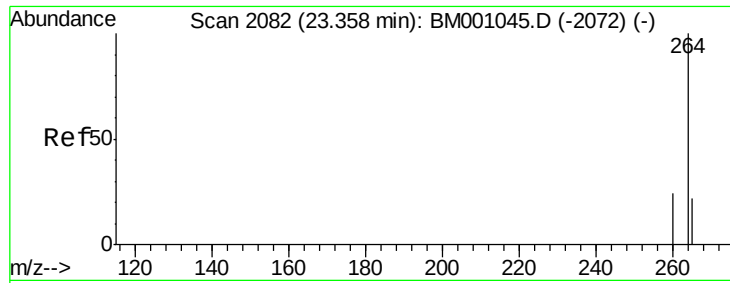


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

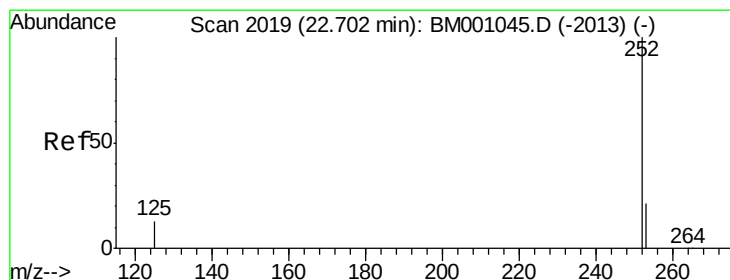
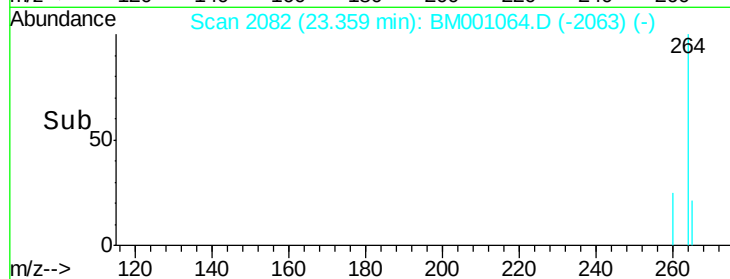
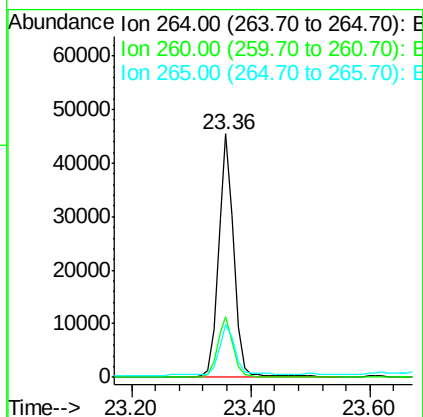
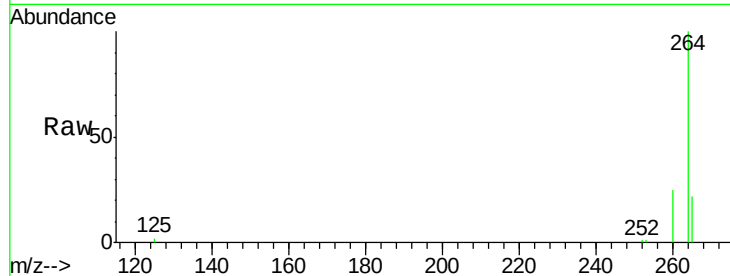
Ion 277.00 (276.70 to 277.70): E





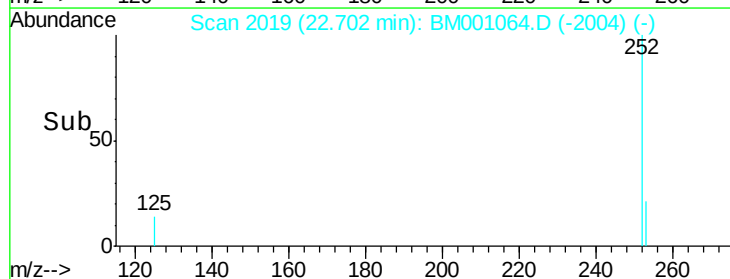
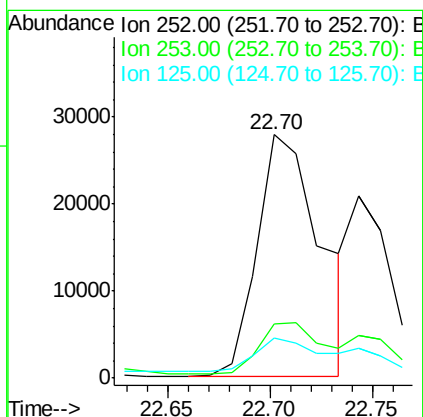
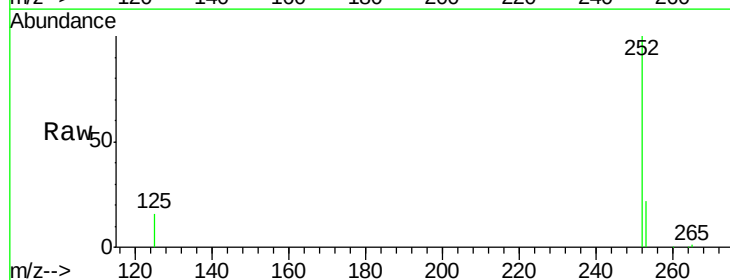
#25
Pervlene-d12
Concen: 5.00 ng
RT: 23.36 min Scan# 2082
Delta R.T. 0.00 min
Lab File: BM001064.D
Acq: 18 Apr 2015 17:35

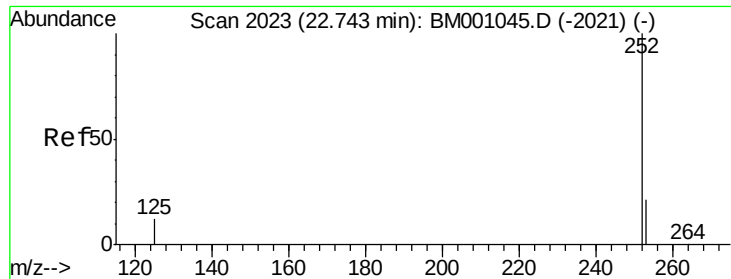
Tot Ion:264 Resp: 80234
Ion Ratio Lower Upper
264 100
260 24.9 19.0 28.6
265 21.6 17.9 26.9



#26
Benzo(b)fluoranthene
Concen: 2.31 ng
RT: 22.70 min Scan# 2019
Delta R.T. 0.00 min
Lab File: BM001064.D
Acq: 18 Apr 2015 17:35

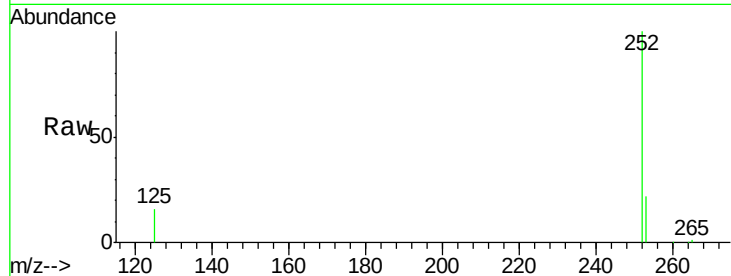
Tgt Ion:252 Resp: 59645
Ion Ratio Lower Upper
252 100
253 22.3 18.2 27.2
125 16.3 10.9 16.3#



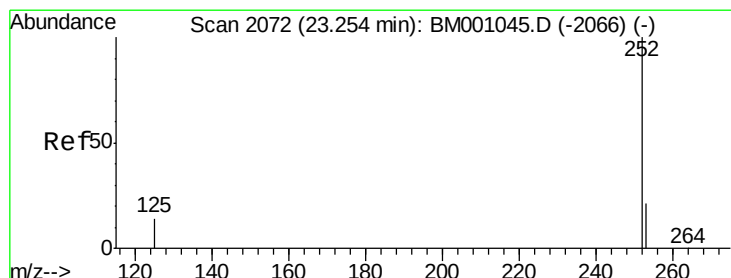
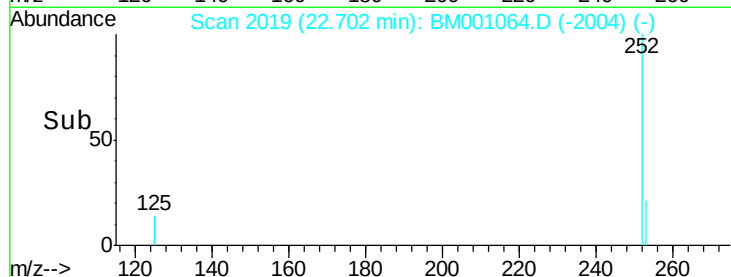
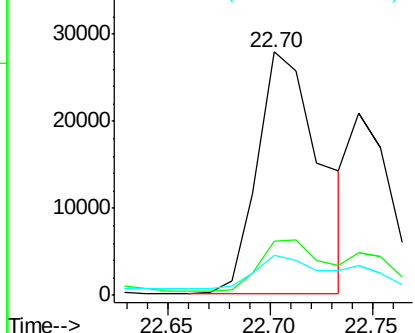


#27
Benzo(k)fluoranthene
Concen: 2.41 ng
RT: 22.70 min Scan# 2019
Delta R.T. -0.04 min
Lab File: BM001064.D
Acq: 18 Apr 2015 17:35

Tot Ion:252 Resp: 59645
Ion Ratio Lower Upper
252 100
253 22.3 18.3 27.5
125 16.3 10.6 15.8#

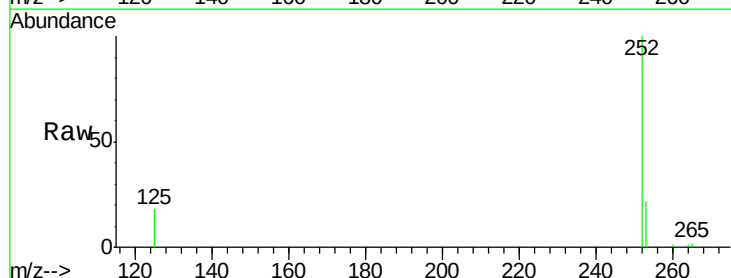


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

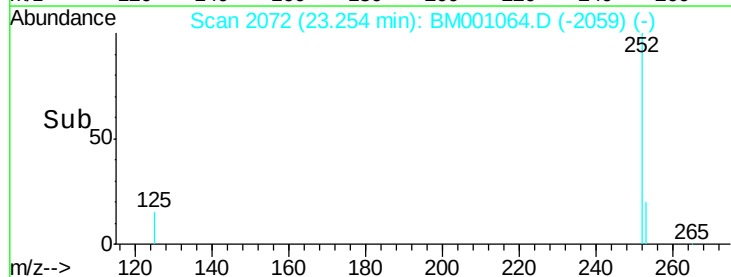
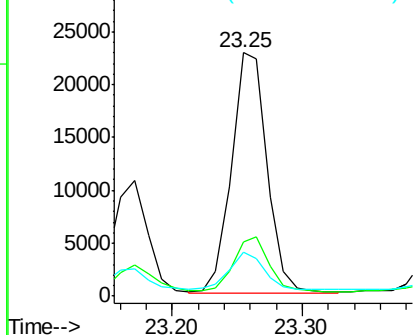


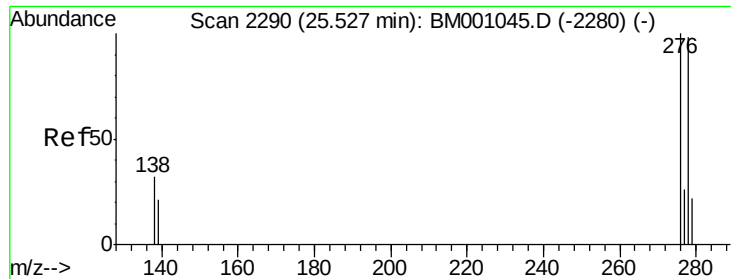
#28
Benzo(a)pyrene
Concen: 1.95 ng
RT: 23.25 min Scan# 2072
Delta R.T. 0.00 min
Lab File: BM001064.D
Acq: 18 Apr 2015 17:35

Tgt Ion:252 Resp: 43019
Ion Ratio Lower Upper
252 100
253 22.5 18.6 27.8
125 17.8 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

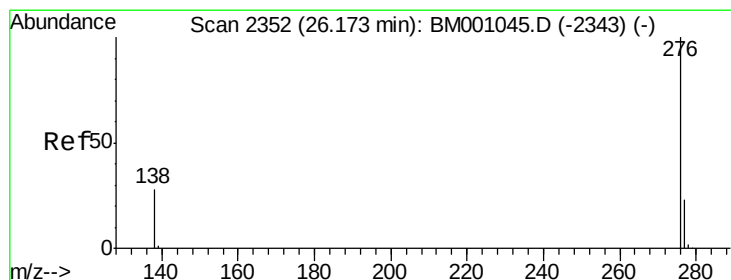
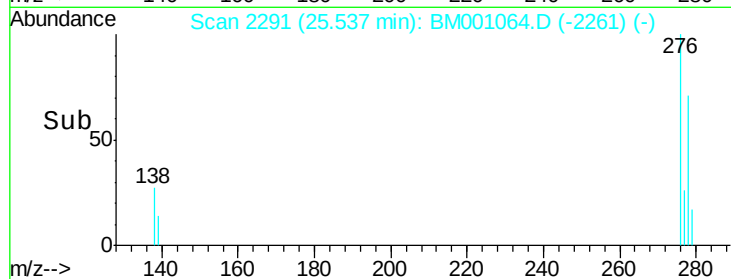
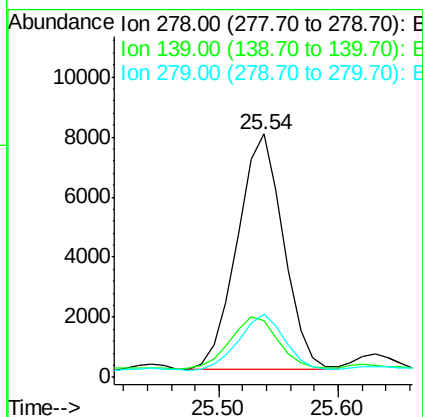
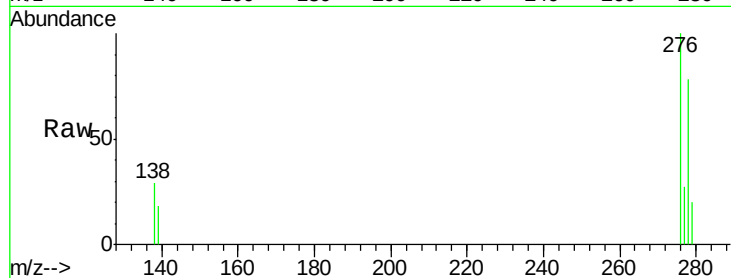




#29
Dibenzo(a,h)anthracene
Concen: 0.97 ng
RT: 25.54 min Scan# 2291
Delta R.T. 0.01 min
Lab File: BM001064.D
Acq: 18 Apr 2015 17:35

Tot Ion: 278 Resp: 21050

Ion	Ratio	Lower	Upper
278	100		
139	23.3	18.2	27.2
279	25.7	19.1	28.7



#30
Benzo(g,h,i)perylene
Concen: 1.59 ng
RT: 26.18 min Scan# 2353
Delta R.T. 0.01 min
Lab File: BM001064.D
Acq: 18 Apr 2015 17:35

Tgt Ion: 276 Resp: 37650

Ion	Ratio	Lower	Upper
276	100		
277	23.8	19.0	28.4
138	29.8	23.4	35.2

