

Data Path : Z:\HPCHEM1\BNA M\DATA\BM041815\
 Data File : BM001062.D
 Acq On : 18 Apr 2015 16:23
 Operator : TP/IZ
 Sample : G1802-01 10X
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

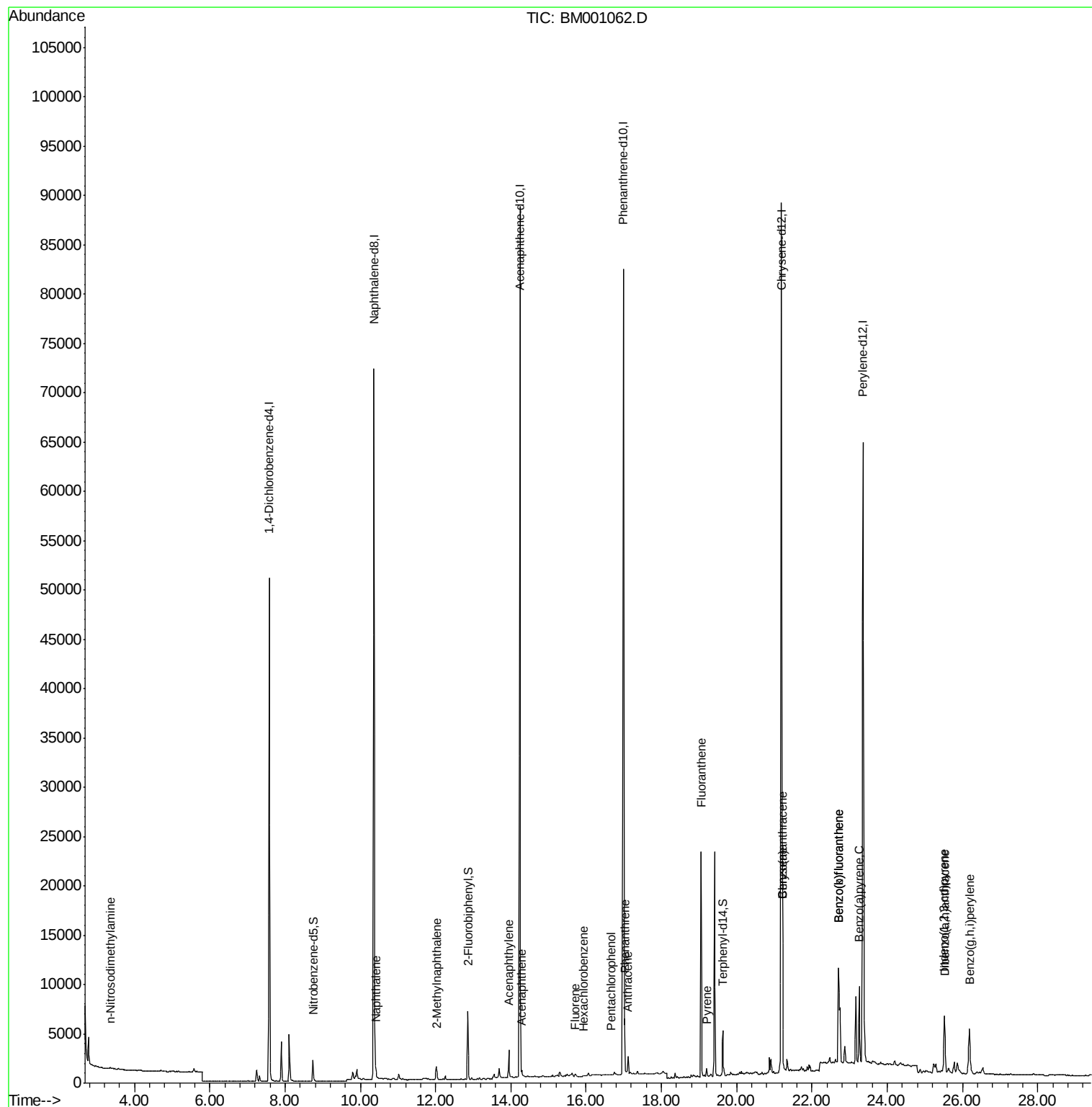
Quant Time: Apr 20 08:18:52 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SIMPAH-BM041815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 20 08:05:22 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.58	152	25281	5.00	ng	0.00
4) Naphthalene-d8	10.36	136	95701	5.00	ng	0.00
8) Acenaphthene-d10	14.24	164	51004	5.00	ng	0.00
13) Phenanthrene-d10	16.99	188	111180	5.00	ng	0.00
19) Chrysene-d12	21.19	240	87061	5.00	ng	0.00
25) Perylene-d12	23.36	264	81095	5.00	ng	0.00
System Monitoring Compounds						
5) Nitrobenzene-d5	8.74	82	2200	0.44	ng	0.00
9) 2-Fluorobiphenyl	12.86	172	7026	0.42	ng	0.00
21) Terphenyl-d14	19.63	244	5196	0.45	ng	0.00
Target Compounds						Ovalue
3) n-Nitrosodimethylamine	3.35	42	63	0.02	ng	# 1
6) Naphthalene	10.41	128	1303	0.06	ng	# 83
7) 2-Methylnaphthalene	12.04	142	373	0.03	ng	# 46
10) Acenaphthylene	13.95	152	3357	0.15	ng	98
11) Acenaphthene	14.29	154	274	0.02	ng	# 83
12) Fluorene	15.71	166	202	0.01	ng	89
14) Hexachlorobenzene	15.92	284	229	0.04	ng	# 100
15) Pentachlorophenol	16.66	266	11	0.29	ng	# 62
16) Phenanthrene	17.03	178	7075	0.24	ng	98
17) Anthracene	17.11	178	2138	0.08	ng	99
18) Fluoranthene	19.05	202	20714	0.67	ng	99
20) Pyrene	19.21	202	922	0.03	ng	96
22) Benzo(a)anthracene	21.22	228	12130	0.48	ng	92
23) Chrysene	21.22	228	12130	0.46	ng	95
24) Indeno(1,2,3-cd)pyrene	25.52	276	8499	0.31	ng	95
26) Benzo(b)fluoranthene	22.71	252	22127	0.85	ng	# 83
27) Benzo(k)fluoranthene	22.71	252	22127	0.88	ng	# 83
28) Benzo(a)pyrene	23.25	252	10272	0.46	ng	# 83
29) Dibenzo(a,h)anthracene	25.53	278	2067	0.09	ng	# 52
30) Benzo(g,h,i)perylene	26.18	276	8900	0.37	ng	94

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

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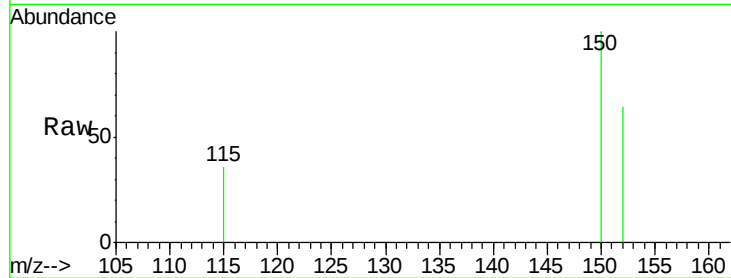




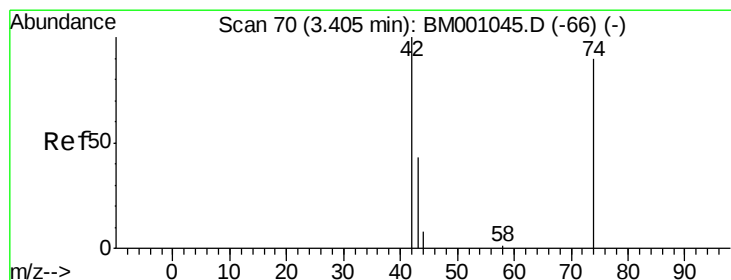
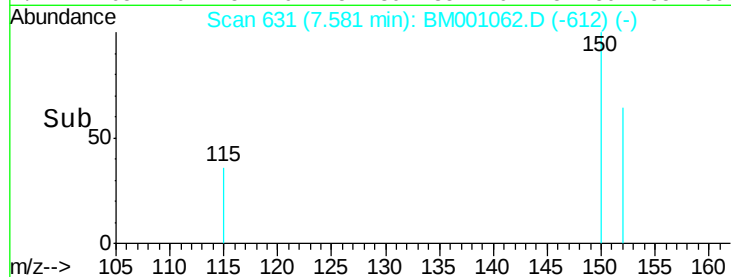
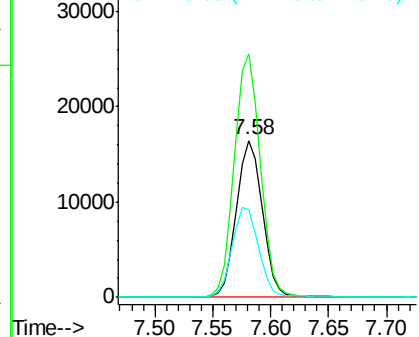
#1

1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.58 min Scan# 631
Delta R.T. 0.00 min
Lab File: BM001062.D
Acq: 18 Apr 2015 16:23

Tot Ion:152 Resp: 25281
Ion Ratio Lower Upper
152 100
150 155.1 123.3 184.9
115 55.7 45.0 67.6



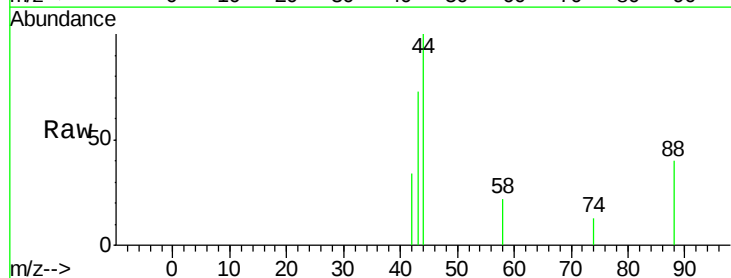
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



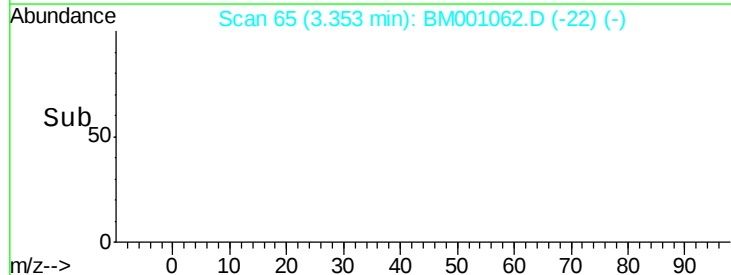
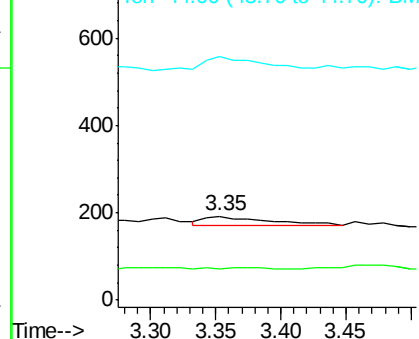
#3

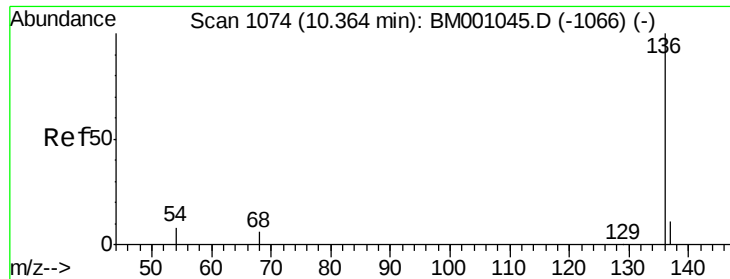
n-Nitrosodimethylamine
Concen: 0.02 ng
RT: 3.35 min Scan# 65
Delta R.T. -0.05 min
Lab File: BM001062.D
Acq: 18 Apr 2015 16:23

Tgt Ion: 42 Resp: 63
Ion Ratio Lower Upper
42 100
74 0.0 92.1 138.1#
44 152.4 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: BM001062.D

Acq: 18 Apr 2015 16:23

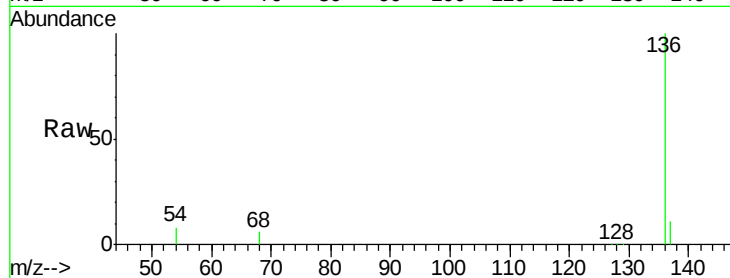
Tot Ion:136 Resp: 95701

Ion Ratio Lower Upper

136 100

137 10.8 8.6 13.0

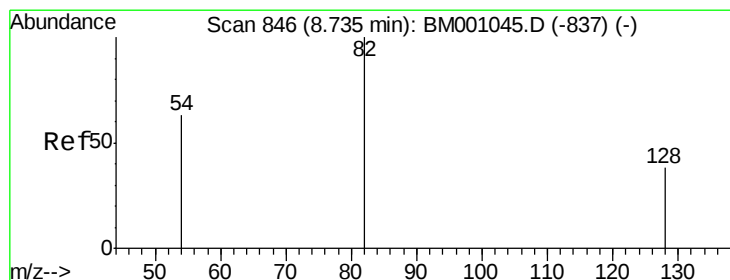
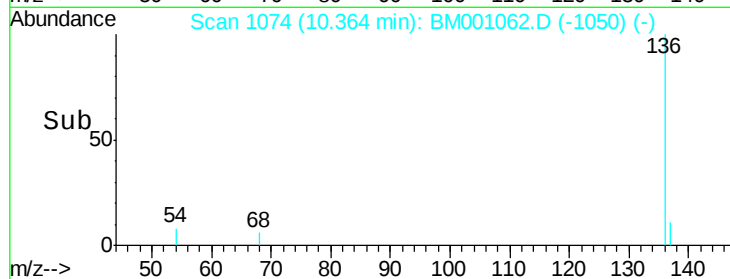
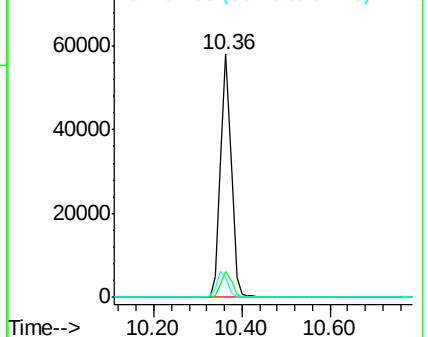
54 7.9 6.5 9.7



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: 0.44 ng

RT: 8.74 min Scan# 847

Delta R.T. 0.01 min

Lab File: BM001062.D

Acq: 18 Apr 2015 16:23

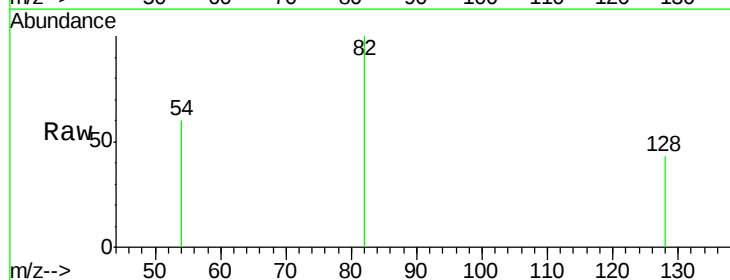
Tgt Ion: 82 Resp: 2200

Ion Ratio Lower Upper

82 100

128 43.5 31.9 47.9

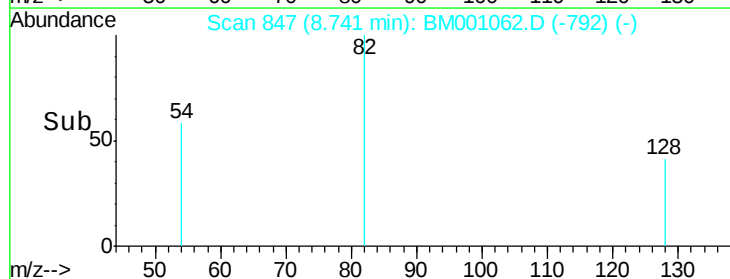
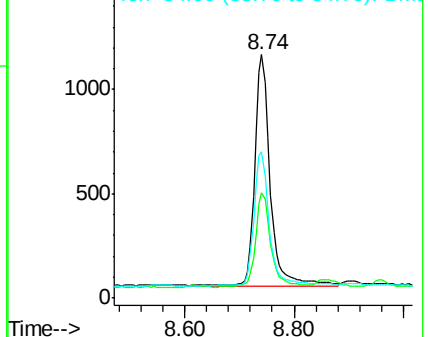
54 60.2 51.3 76.9

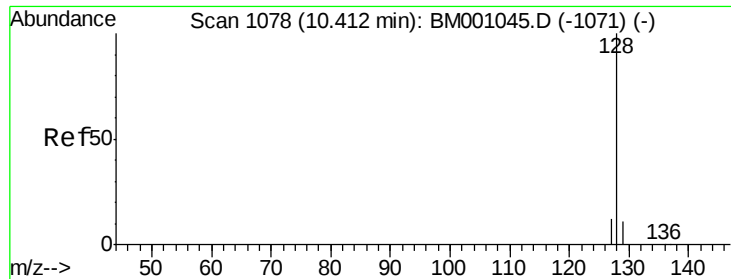


Abundance Ion 82.00 (81.70 to 82.70): BM

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BM





#6

Naphthalene

Concen: 0.06 ng

RT: 10.41 min Scan# 1078

Delta R.T. 0.00 min

Lab File: BM001062.D

Acq: 18 Apr 2015 16:23

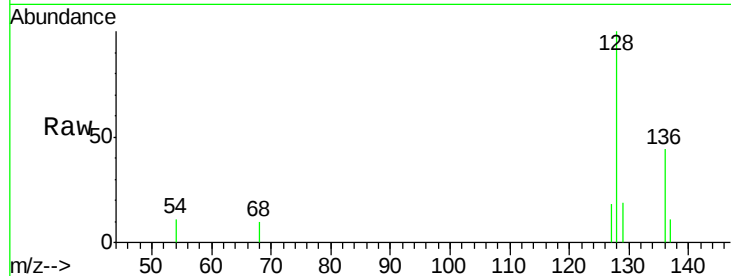
Tot Ion:128 Resp: 1303

Ion Ratio Lower Upper

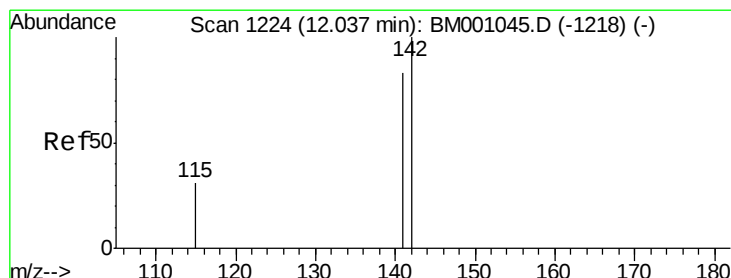
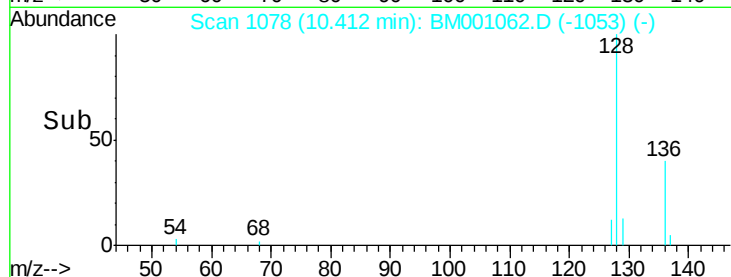
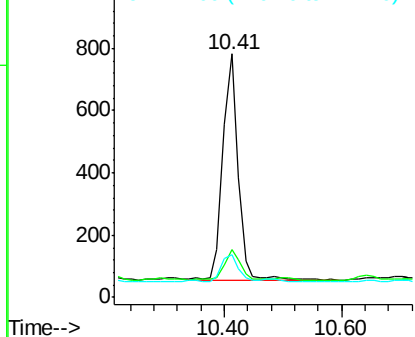
128 100

129 19.4 9.3 13.9#

127 17.6 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: 0.03 ng

RT: 12.04 min Scan# 1224

Delta R.T. 0.00 min

Lab File: BM001062.D

Acq: 18 Apr 2015 16:23

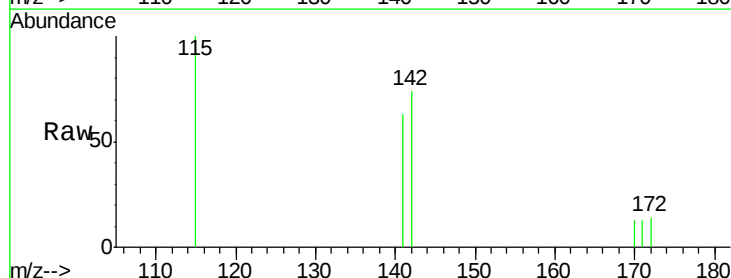
Tgt Ion:142 Resp: 373

Ion Ratio Lower Upper

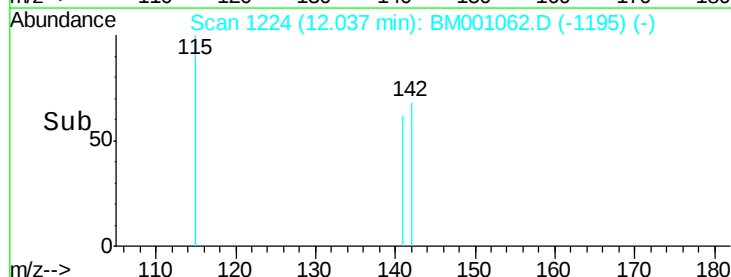
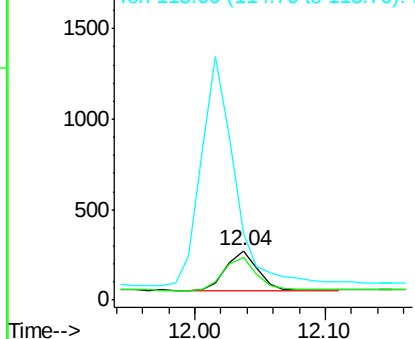
142 100

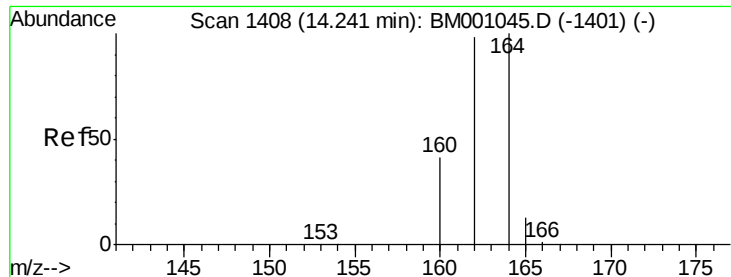
141 85.7 66.7 100.1

115 136.0 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: BM001062.D

Acq: 18 Apr 2015 16:23

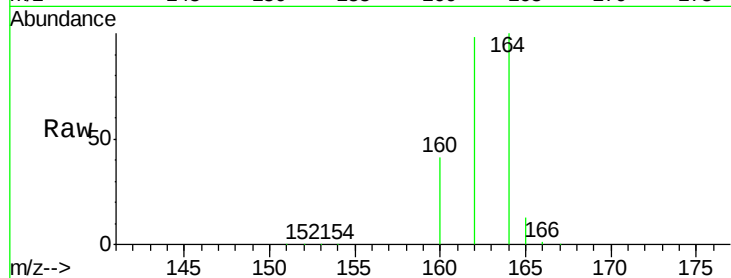
Tot Ion:164 Resp: 51004

Ion Ratio Lower Upper

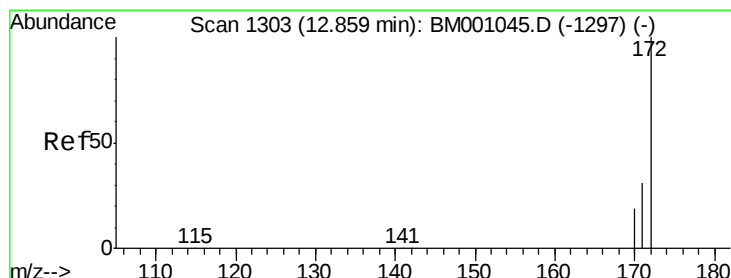
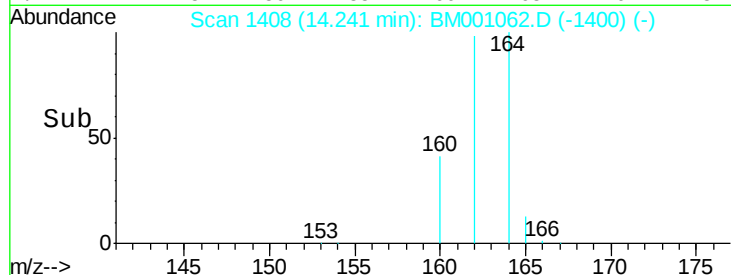
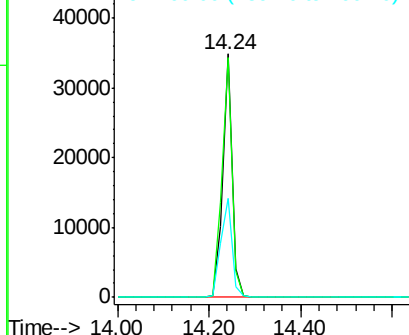
164 100

162 98.4 78.5 117.7

160 40.8 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: 0.42 ng

RT: 12.86 min Scan# 1303

Delta R.T. 0.00 min

Lab File: BM001062.D

Acq: 18 Apr 2015 16:23

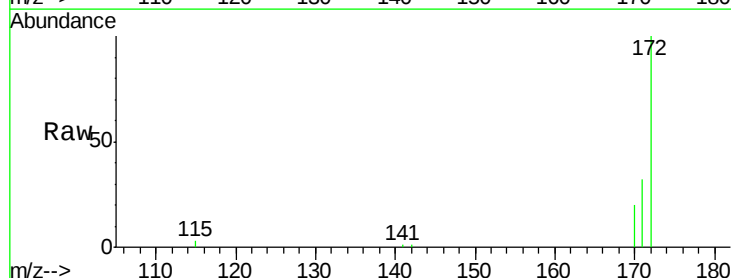
Tgt Ion:172 Resp: 7026

Ion Ratio Lower Upper

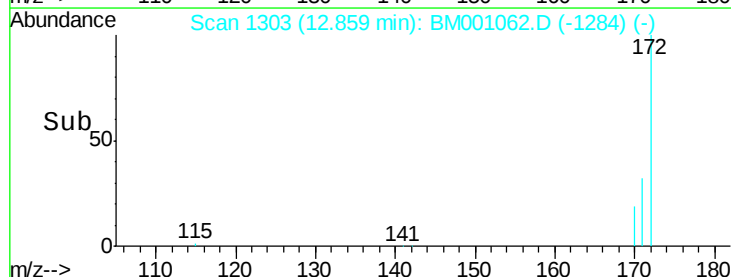
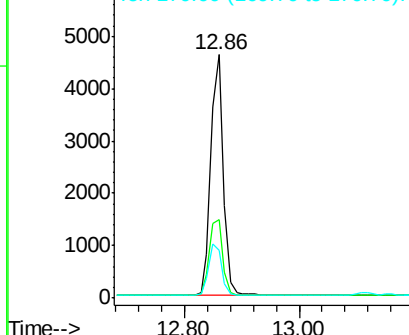
172 100

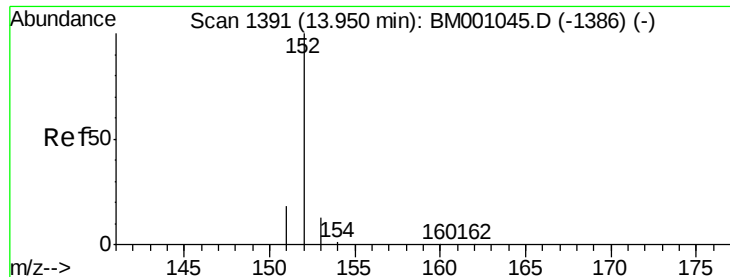
171 32.3 25.6 38.4

170 19.8 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: 0.15 ng

RT: 13.95 min Scan# 1391

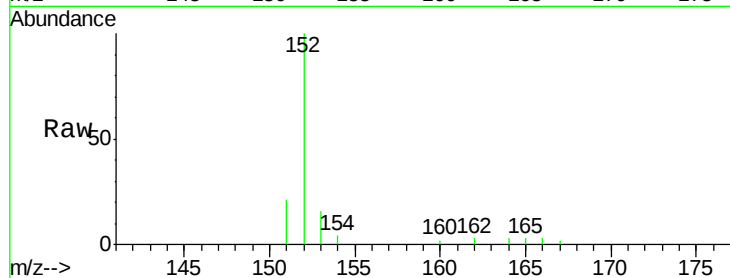
Delta R.T. 0.00 min

Lab File: BM001062.D

Acq: 18 Apr 2015 16:23

Tot Ion:152 Resp: 3357

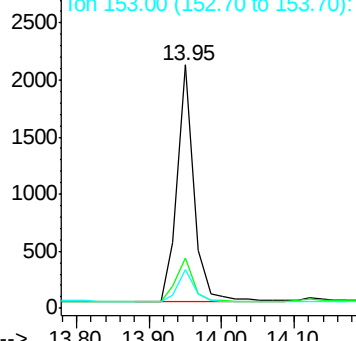
Ion	Ratio	Lower	Upper
152	100		
151	19.5	14.7	22.1
153	13.5	10.2	15.2



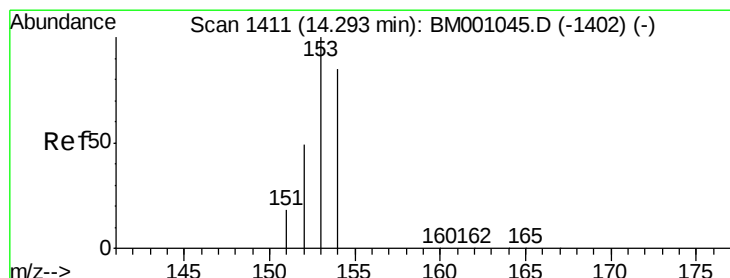
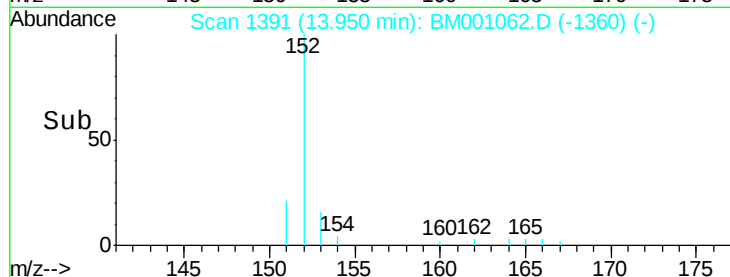
Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



Time-->



#11

Acenaphthene

Concen: 0.02 ng

RT: 14.29 min Scan# 1411

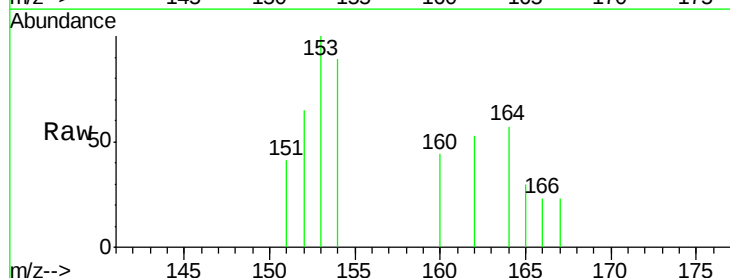
Delta R.T. 0.00 min

Lab File: BM001062.D

Acq: 18 Apr 2015 16:23

Tgt Ion:154 Resp: 274

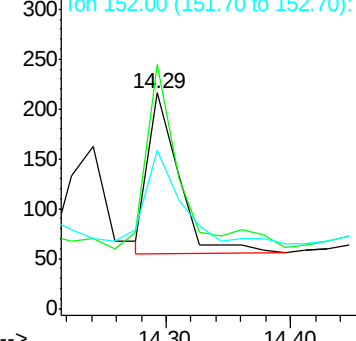
Ion	Ratio	Lower	Upper
154	100		
153	125.2	88.1	132.1
152	68.2	42.3	63.5



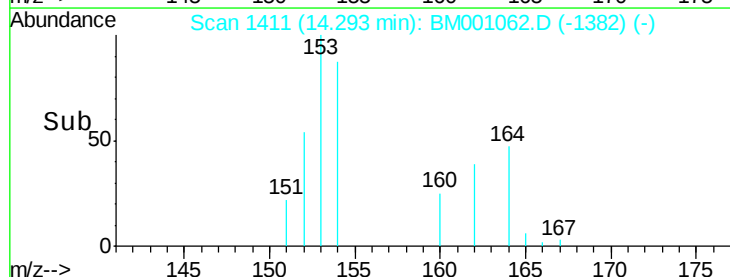
Abundance Ion 154.00 (153.70 to 154.70): E

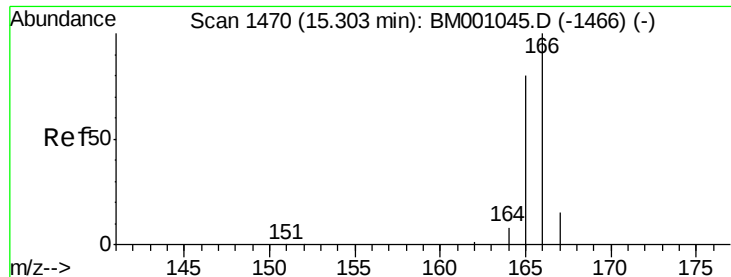
Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



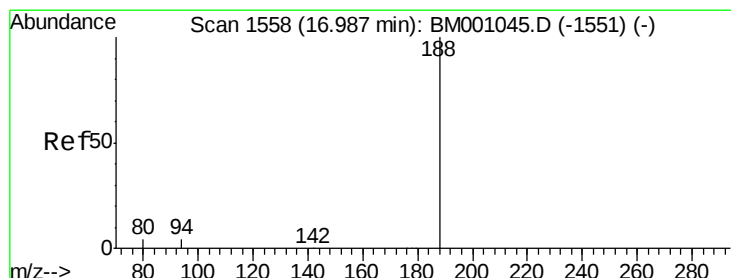
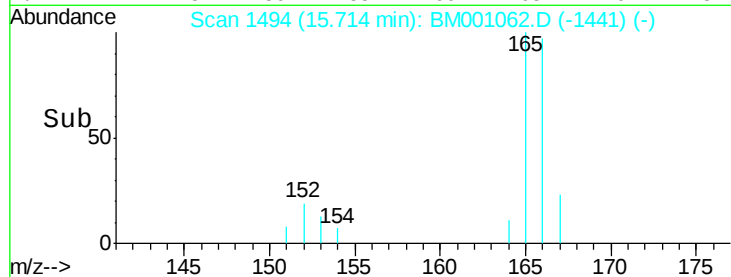
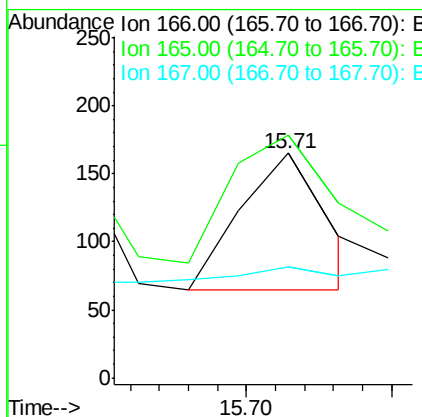
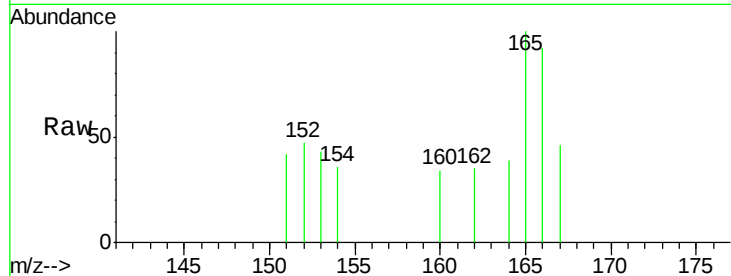
Time-->





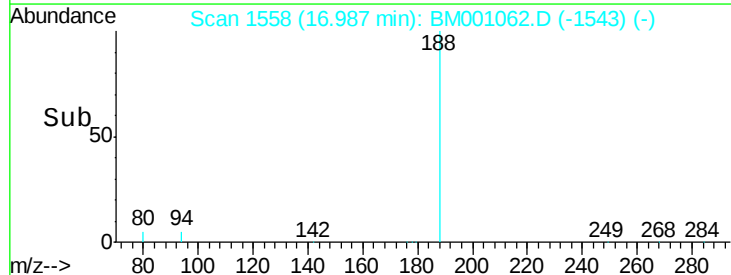
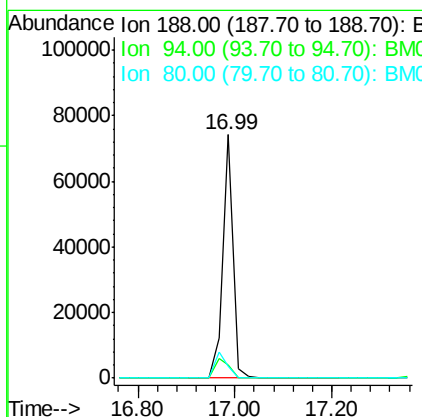
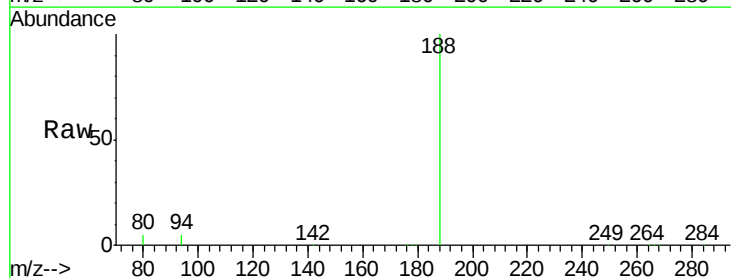
#12
 Fluorene
 Concen: 0.01 ng
 RT: 15.71 min Scan# 1494
 Delta R.T. 0.41 min
 Lab File: BM001062.D
 Acq: 18 Apr 2015 16:23

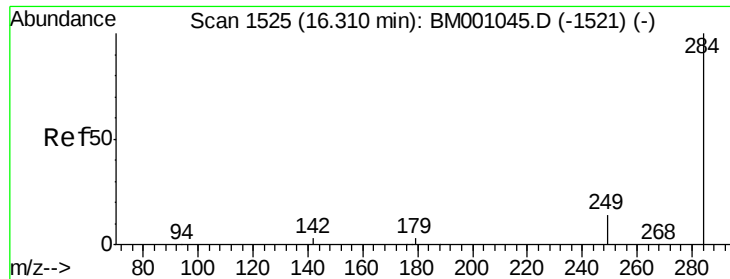
Tot Ion:166 Resp: 202
 Ion Ratio Lower Upper
 166 100
 165 108.9 77.6 116.4
 167 12.4 10.6 16.0



#13
 Phenanthrene-d10
 Concen: 5.00 ng
 RT: 16.99 min Scan# 1558
 Delta R.T. 0.00 min
 Lab File: BM001062.D
 Acq: 18 Apr 2015 16:23

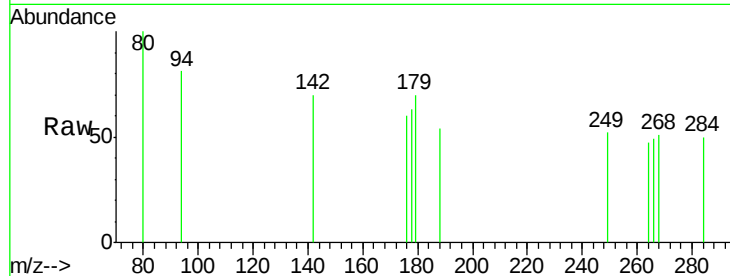
Tgt Ion:188 Resp: 111180
 Ion Ratio Lower Upper
 188 100
 94 5.3 3.6 5.4
 80 4.8 3.0 4.6#



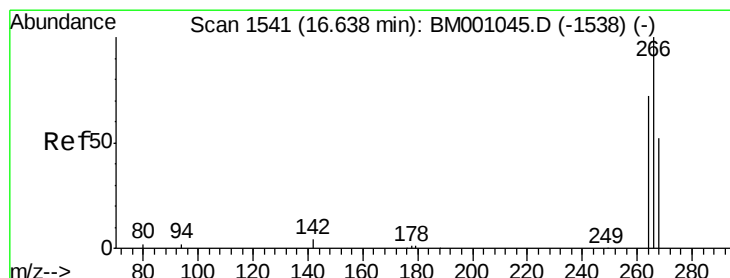
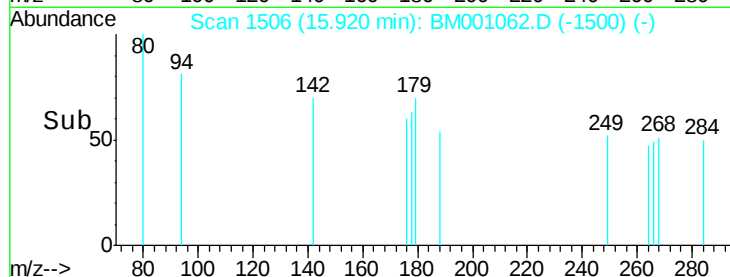
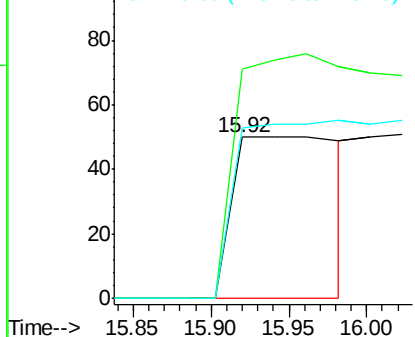


#14
Hexachlorobenzene
Concen: 0.04 ng
RT: 15.92 min Scan# 1506
Delta R.T. -0.39 min
Lab File: BM001062.D
Acq: 18 Apr 2015 16:23

Tot Ion: 284 Resp: 229
Ion Ratio Lower Upper
284 100
142 0.0 0.0 0.0
249 0.0 0.0 0.0

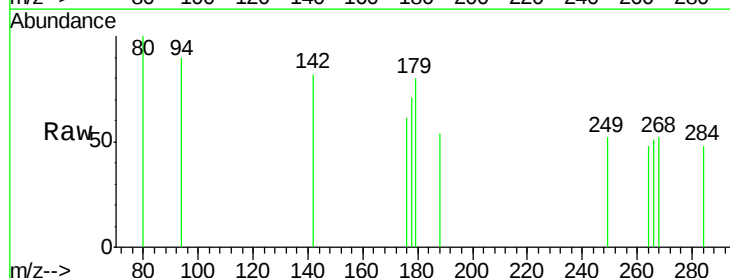


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

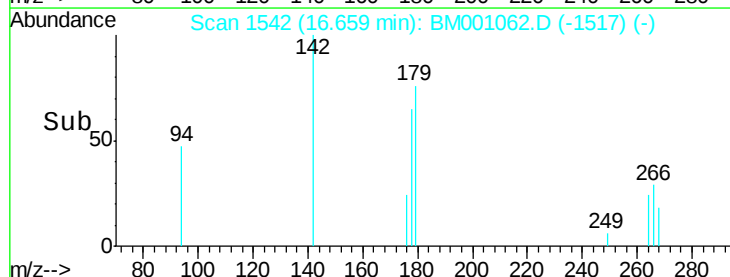
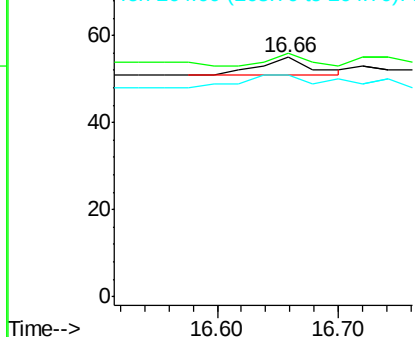


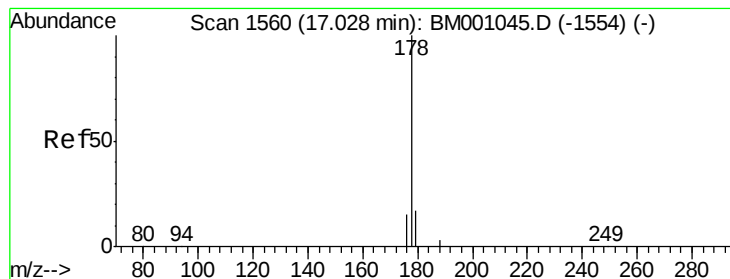
#15
Pentachlorophenol
Concen: 0.29 ng
RT: 16.66 min Scan# 1542
Delta R.T. 0.02 min
Lab File: BM001062.D
Acq: 18 Apr 2015 16:23

Tgt Ion: 266 Resp: 11
Ion Ratio Lower Upper
266 100
268 101.8 46.3 69.5#
264 92.7 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: 0.24 ng

RT: 17.03 min Scan# 1560

Delta R.T. 0.00 min

Lab File: BM001062.D

Acq: 18 Apr 2015 16:23

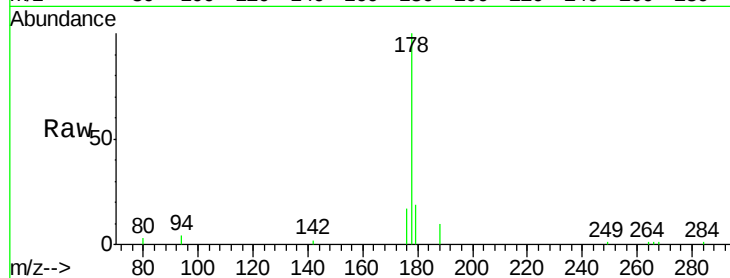
Tot Ion:178 Resp: 7075

Ion Ratio Lower Upper

178 100

176 18.5 14.6 22.0

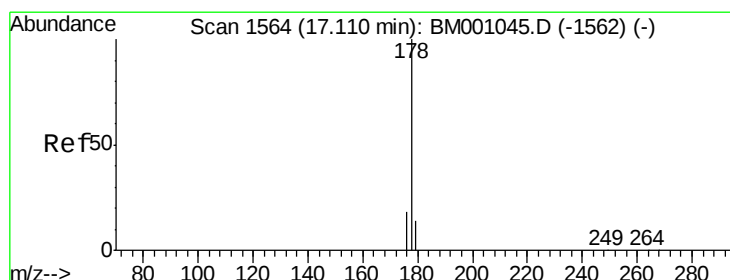
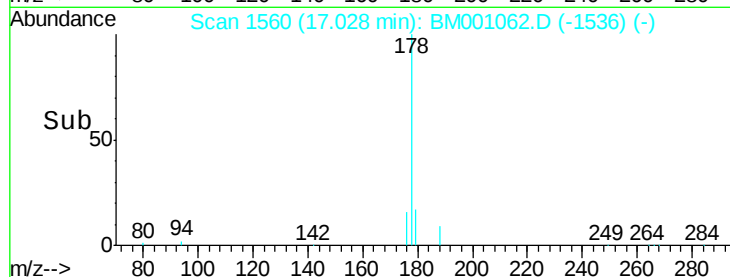
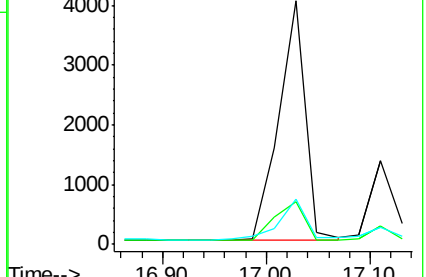
179 17.6 12.6 19.0



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: 0.08 ng

RT: 17.11 min Scan# 1564

Delta R.T. 0.00 min

Lab File: BM001062.D

Acq: 18 Apr 2015 16:23

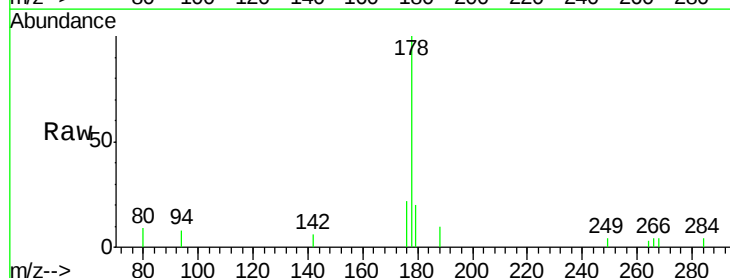
Tgt Ion:178 Resp: 2138

Ion Ratio Lower Upper

178 100

176 18.3 14.3 21.5

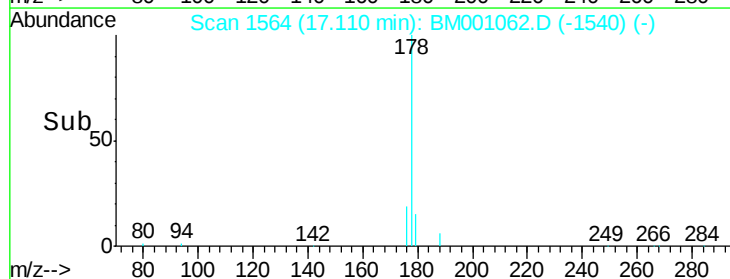
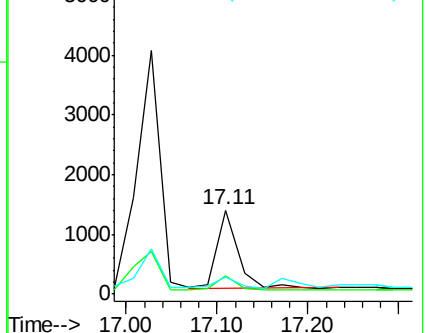
179 14.9 11.8 17.8

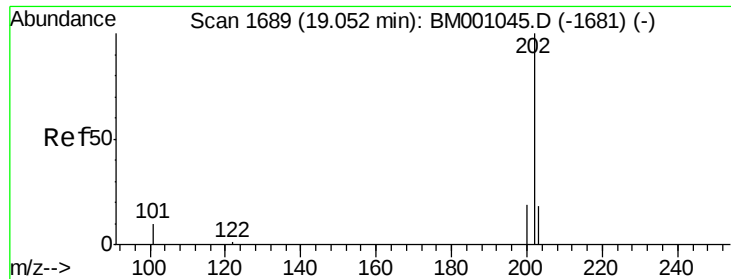


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

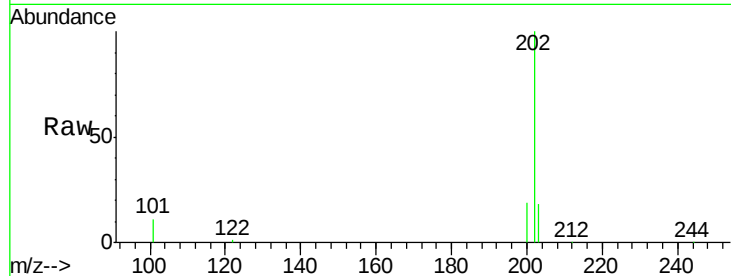
Ion 179.00 (178.70 to 179.70): E



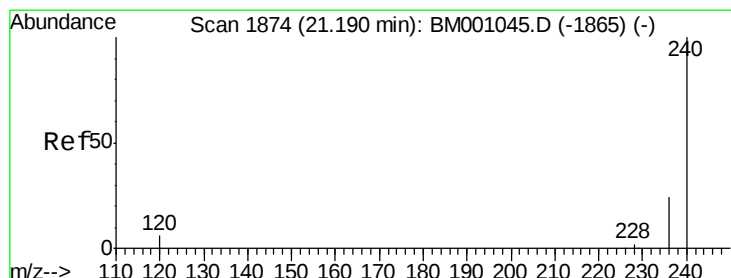
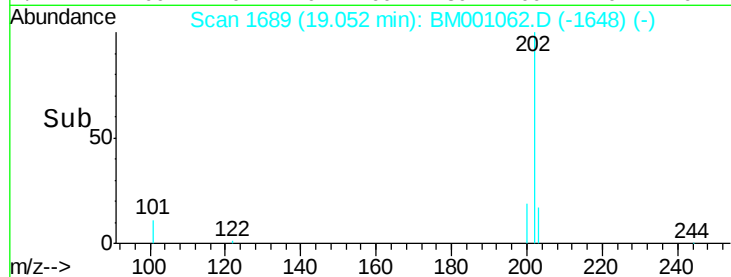
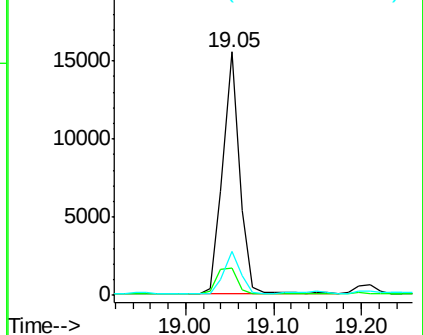


#18
 Fluoranthene
 Concen: 0.67 ng
 RT: 19.05 min Scan# 1689
 Delta R.T. 0.00 min
 Lab File: BM001062.D
 Acq: 18 Apr 2015 16:23

Tot Ion	Ratio	Lower	Upper
202	100		
101	13.1	10.1	15.1
203	17.0	13.8	20.8

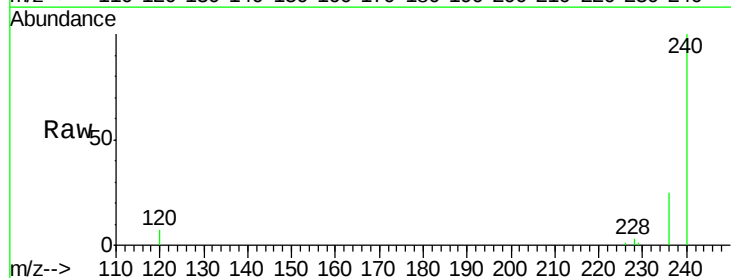


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

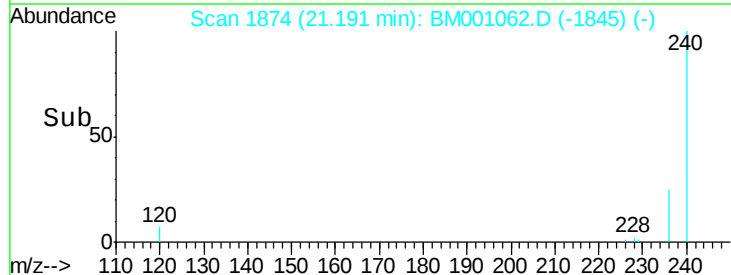
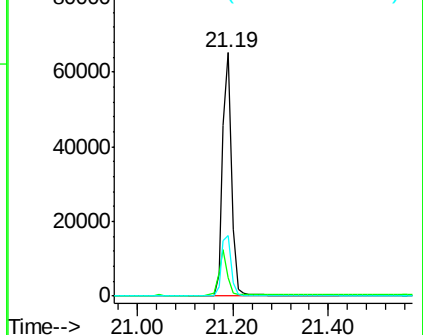


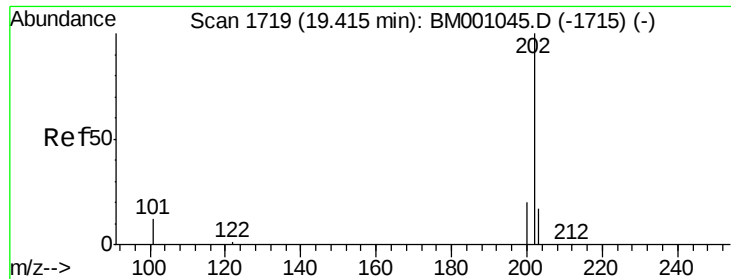
#19
 Chrysene-d12
 Concen: 5.00 ng
 RT: 21.19 min Scan# 1874
 Delta R.T. 0.00 min
 Lab File: BM001062.D
 Acq: 18 Apr 2015 16:23

Tgt Ion	Ratio	Lower	Upper
240	100		
120	7.4	4.6	6.8#
236	24.8	19.1	28.7



Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E

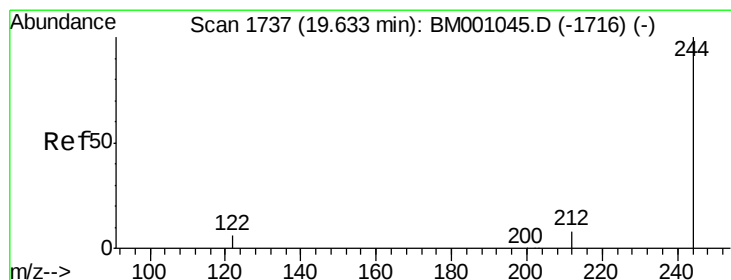
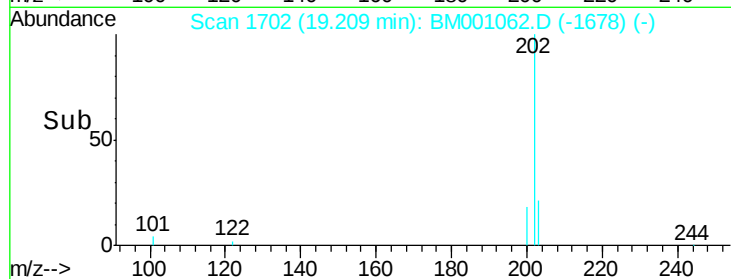
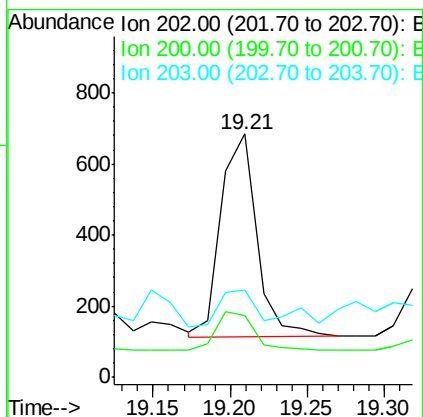
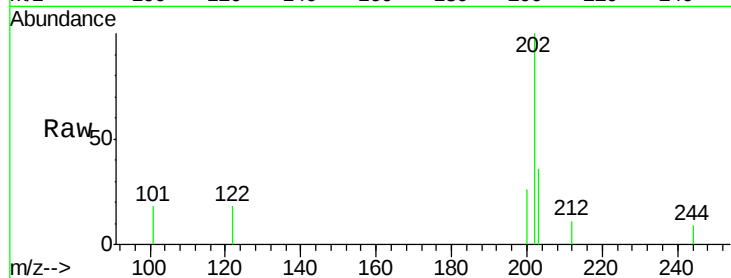




#20
Pvrene
Concen: 0.03 ng
RT: 19.21 min Scan# 1702
Delta R.T. -0.21 min
Lab File: BM001062.D
Acq: 18 Apr 2015 16:23

Tot Ion:202 Resp: 922

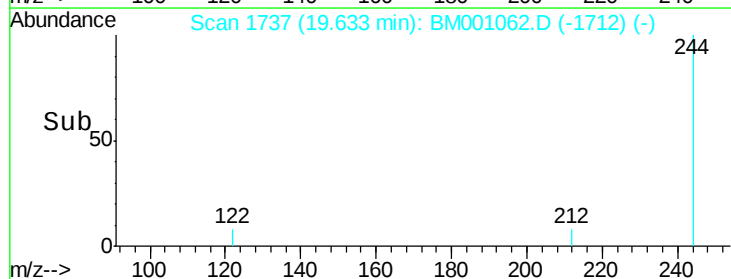
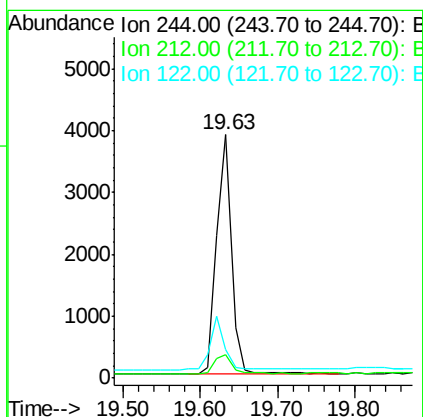
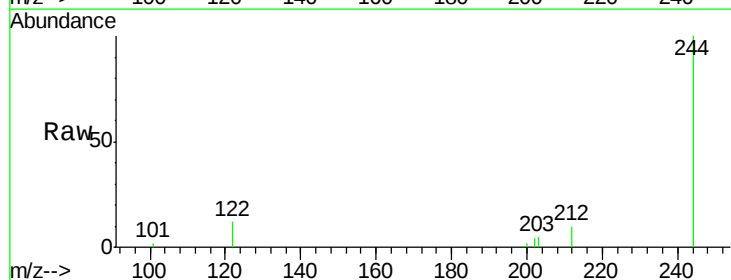
Ion	Ratio	Lower	Upper
202	100		
200	20.1	16.3	24.5
203	20.5	13.8	20.6

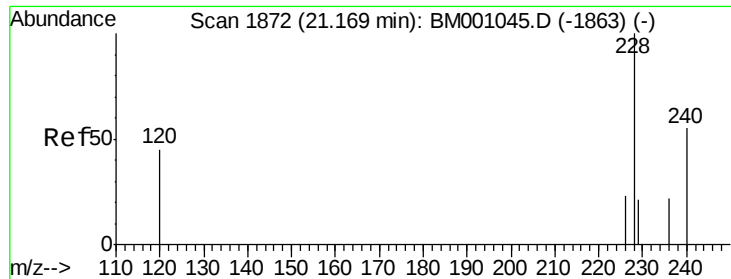


#21
Terphenyl-d14
Concen: 0.45 ng
RT: 19.63 min Scan# 1737
Delta R.T. 0.00 min
Lab File: BM001062.D
Acq: 18 Apr 2015 16:23

Tgt Ion:244 Resp: 5196

Ion	Ratio	Lower	Upper
244	100		
212	9.7	7.1	10.7
122	11.6	5.9	8.9#





#22

Benzo(a)anthracene

Concen: 0.48 ng

RT: 21.22 min Scan# 1877

Delta R.T. 0.05 min

Lab File: BM001062.D

Acq: 18 Apr 2015 16:23

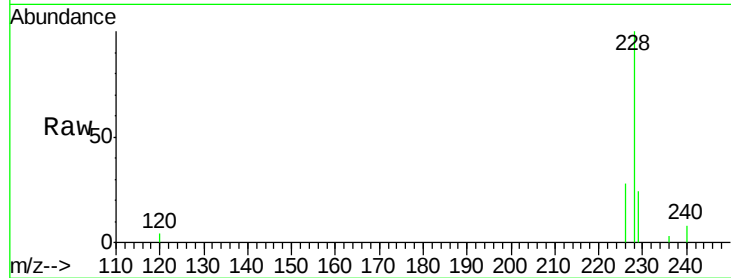
Tot Ion:228 Resp: 12130

Ion Ratio Lower Upper

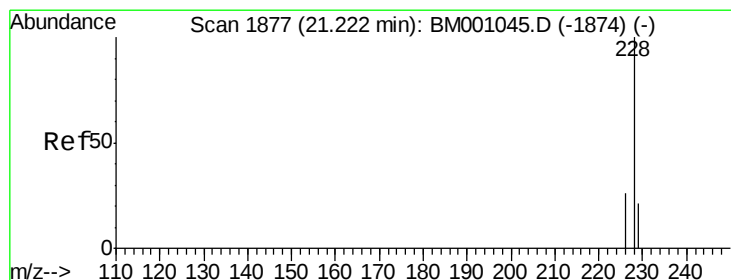
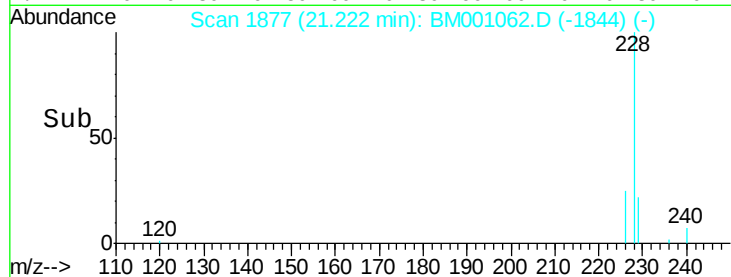
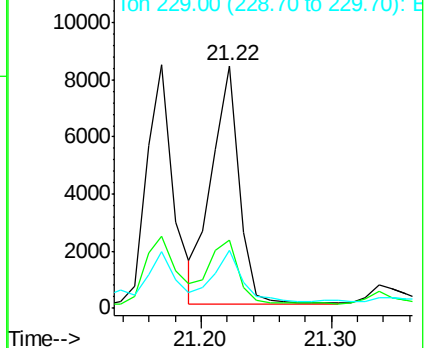
228 100

226 28.4 19.0 28.6

229 23.7 16.8 25.2



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#23

Chrysene

Concen: 0.46 ng

RT: 21.22 min Scan# 1877

Delta R.T. 0.00 min

Lab File: BM001062.D

Acq: 18 Apr 2015 16:23

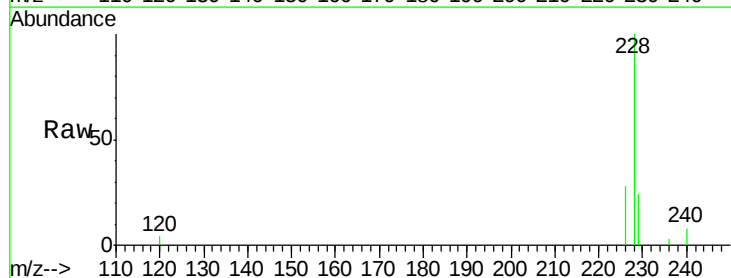
Tgt Ion:228 Resp: 12130

Ion Ratio Lower Upper

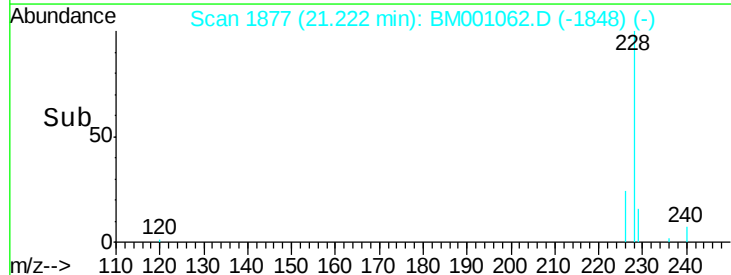
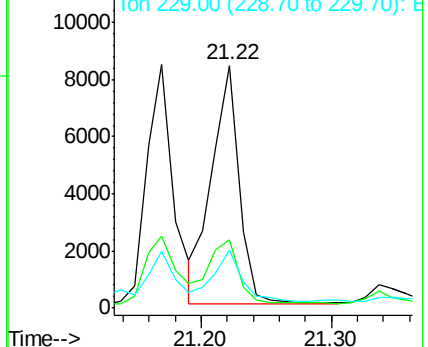
228 100

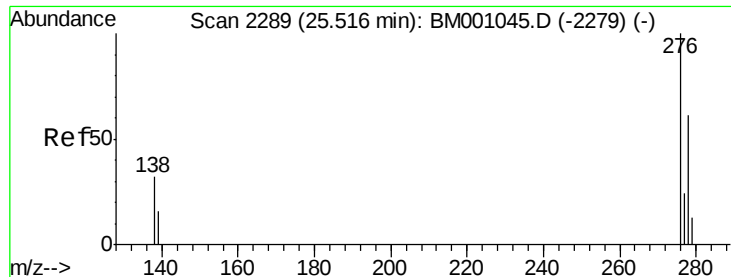
226 28.4 20.6 31.0

229 23.7 17.2 25.8



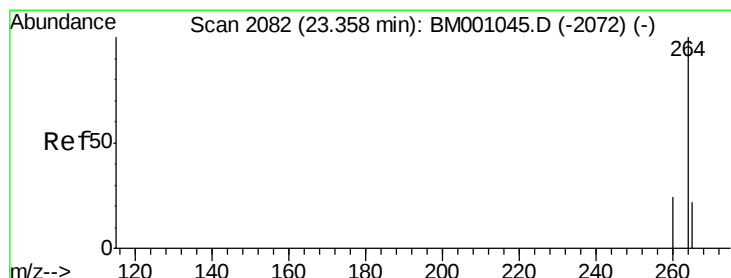
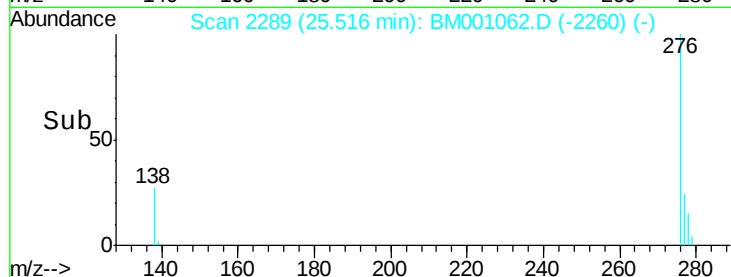
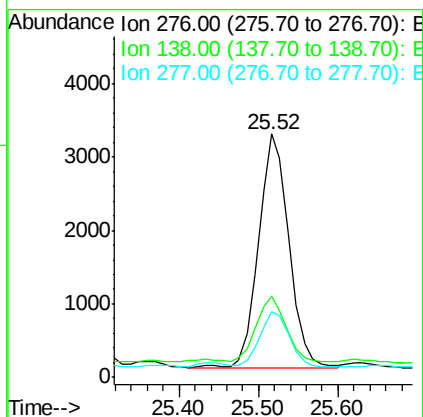
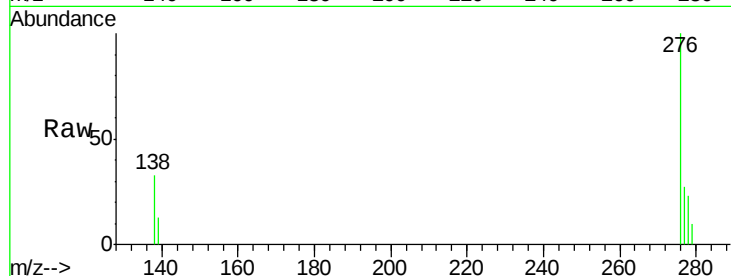
Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





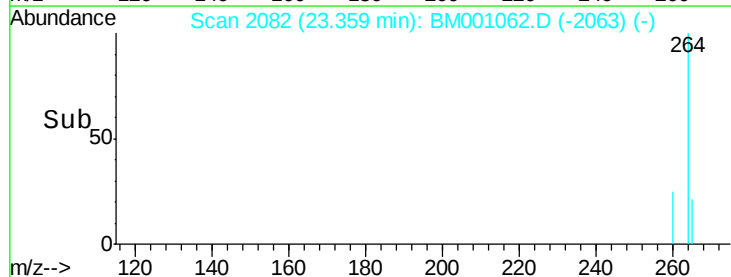
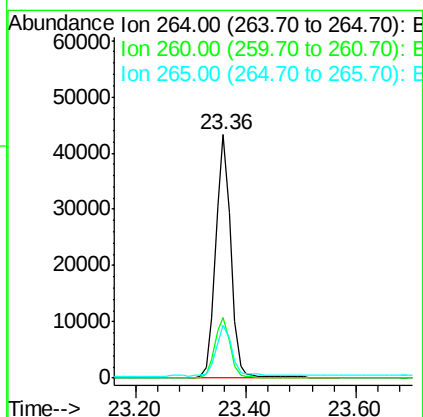
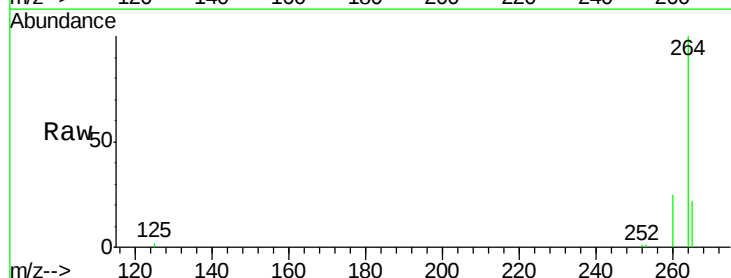
#24
 Indeno(1,2,3-cd)pyrene
 Concen: 0.31 ng
 RT: 25.52 min Scan# 2289
 Delta R.T. 0.00 min
 Lab File: BM001062.D
 Acq: 18 Apr 2015 16:23

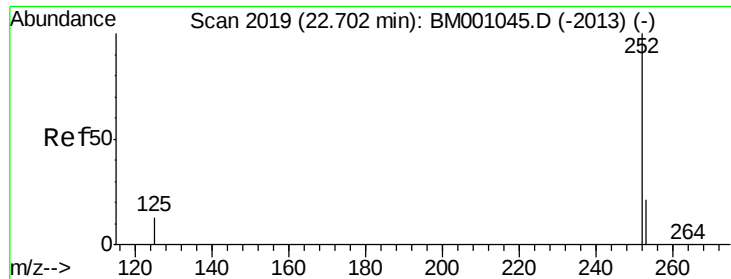
Tot Ion:276 Resp: 8499
 Ion Ratio Lower Upper
 276 100
 138 28.3 26.3 39.5
 277 23.8 19.5 29.3



#25
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.36 min Scan# 2082
 Delta R.T. 0.00 min
 Lab File: BM001062.D
 Acq: 18 Apr 2015 16:23

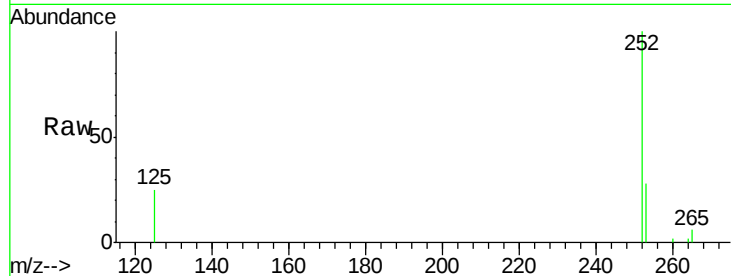
Tgt Ion:264 Resp: 81095
 Ion Ratio Lower Upper
 264 100
 260 24.8 19.0 28.6
 265 21.8 17.9 26.9



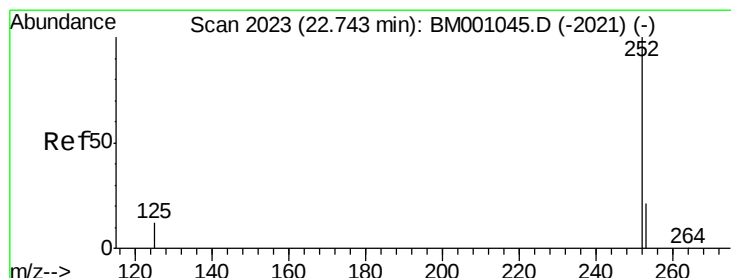
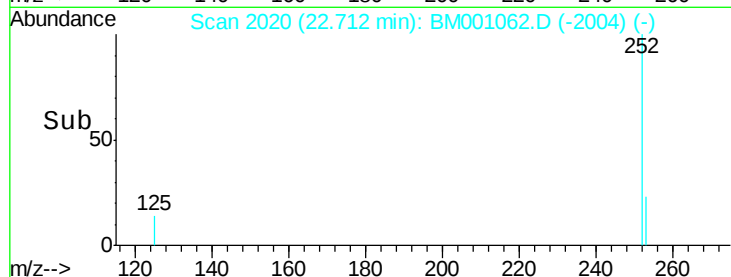
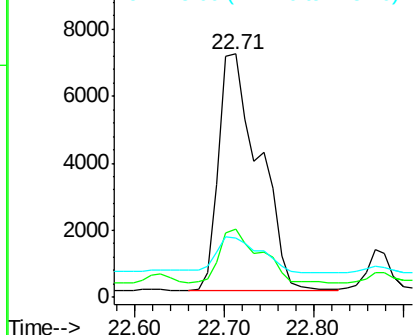


#26
Benzo(b)fluoranthene
Concen: 0.85 ng
RT: 22.71 min Scan# 2020
Delta R.T. 0.01 min
Lab File: BM001062.D
Acq: 18 Apr 2015 16:23

Tot Ion:252 Resp: 22127
Ion Ratio Lower Upper
252 100
253 28.0 18.2 27.2#
125 24.5 10.9 16.3#

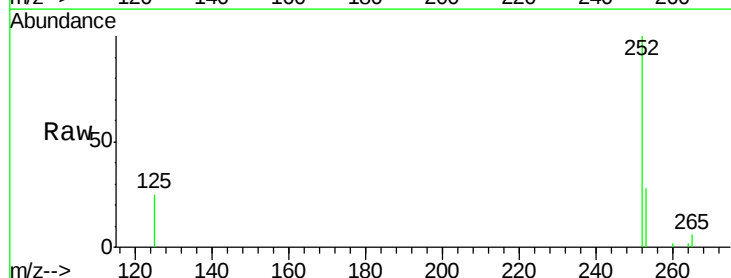


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

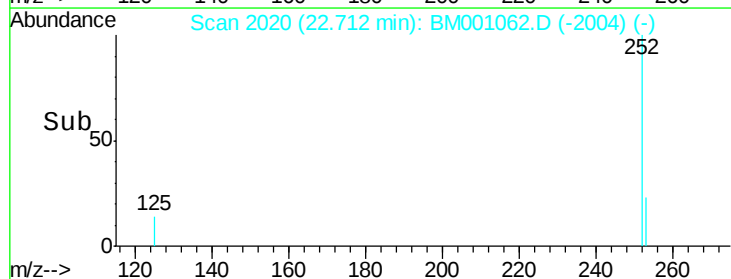
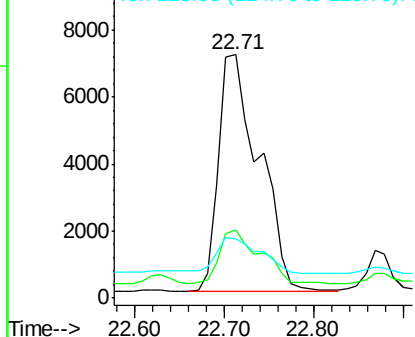


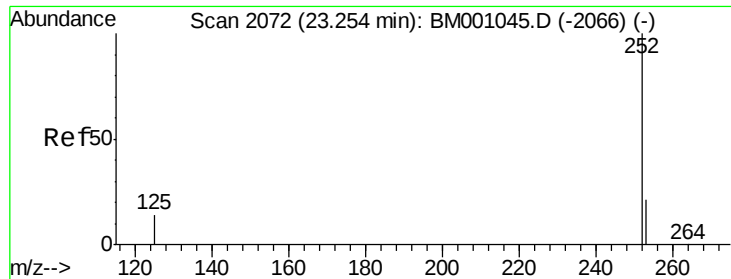
#27
Benzo(k)fluoranthene
Concen: 0.88 ng
RT: 22.71 min Scan# 2020
Delta R.T. -0.03 min
Lab File: BM001062.D
Acq: 18 Apr 2015 16:23

Tgt Ion:252 Resp: 22127
Ion Ratio Lower Upper
252 100
253 28.0 18.3 27.5#
125 24.5 10.6 15.8#



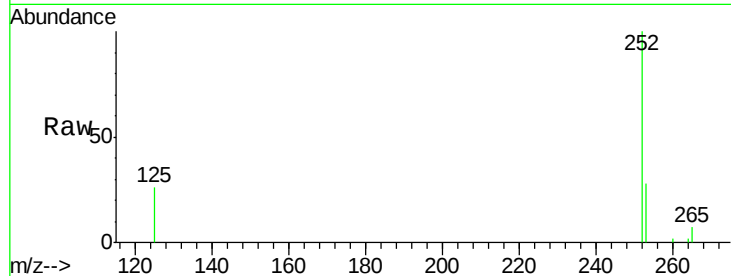
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



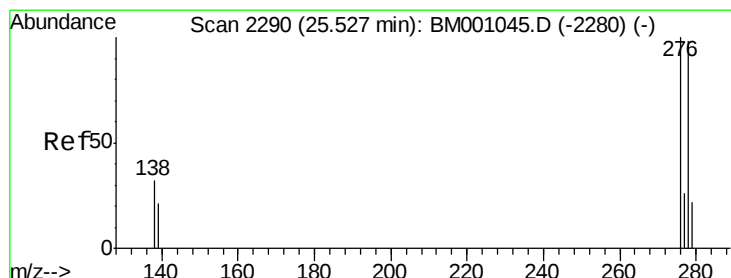
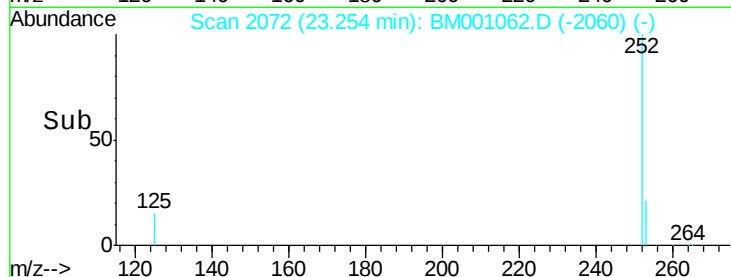
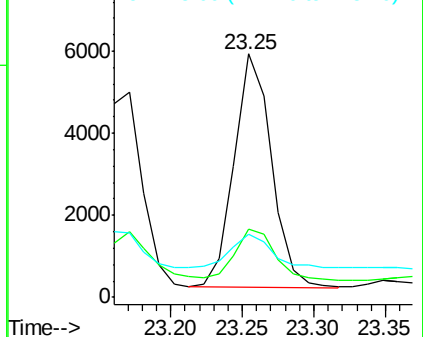


#28
Benzo(a)pyrene
Concen: 0.46 ng
RT: 23.25 min Scan# 2072
Delta R.T. 0.00 min
Lab File: BM001062.D
Acq: 18 Apr 2015 16:23

Tot Ion: 252 Resp: 10272
Ion Ratio Lower Upper
252 100
253 28.0 18.6 27.8#
125 26.2 11.9 17.9#

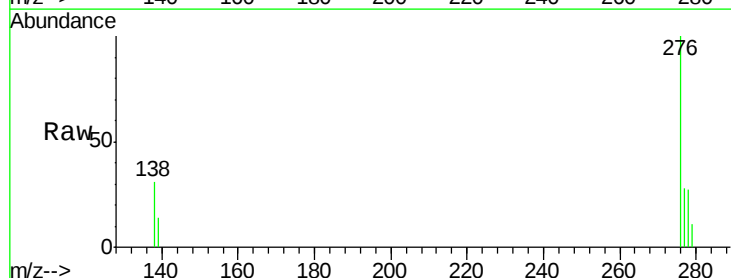


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

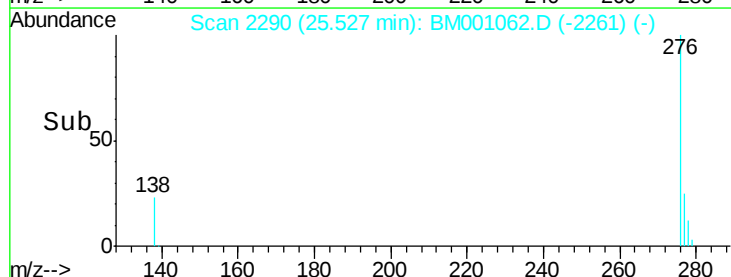
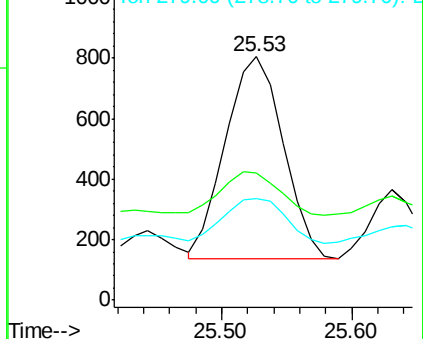


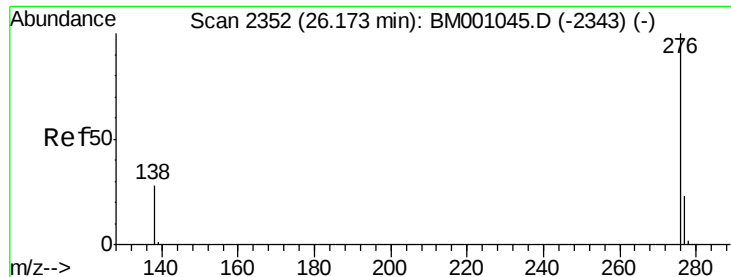
#29
Dibenzo(a,h)anthracene
Concen: 0.09 ng
RT: 25.53 min Scan# 2290
Delta R.T. 0.00 min
Lab File: BM001062.D
Acq: 18 Apr 2015 16:23

Tgt Ion: 278 Resp: 2067
Ion Ratio Lower Upper
278 100
139 52.0 18.2 27.2#
279 41.9 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(a,h,i)perylene

Concen: 0.37 ng

RT: 26.18 min Scan# 2353

Delta R.T. 0.01 min

Lab File: BM001062.D

Acq: 18 Apr 2015 16:23

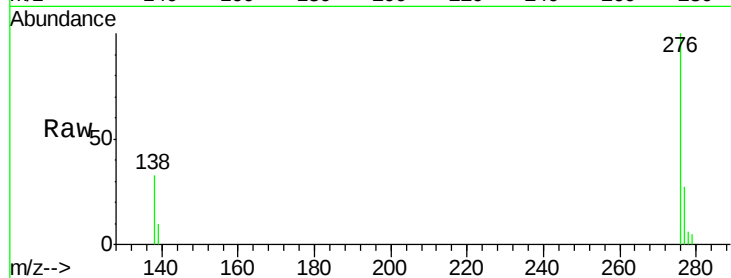
Tot Ion: 276 Resp: 8900

Ion Ratio Lower Upper

276 100

277 26.9 19.0 28.4

138 32.6 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

