

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM041815\
 Data File : BM001046.D
 Acq On : 18 Apr 2015 01:07
 Operator : TP/IZ
 Sample : SSTDICC002
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Quant Time: Apr 18 05:59:45 2015

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

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.58	152	16982	5.00	ng	0.00
4) Naphthalene-d8	10.36	136	60977	5.00	ng	0.00
8) Acenaphthene-d10	14.24	164	32488	5.00	ng	0.00
13) Phenanthrene-d10	16.99	188	70243	5.00	ng	0.00
19) Chrysene-d12	21.18	240	61487	5.00	ng	-0.01
25) Perylene-d12	23.35	264	54574	5.00	ng	-0.01

System Monitoring Compounds

5) Nitrobenzene-d5	8.74	82	6778	2.22	ng	0.00
9) 2-Fluorobiphenyl	12.86	172	21305	2.11	ng	0.00
21) Terphenyl-d14	19.63	244	16491	2.21	ng	0.00

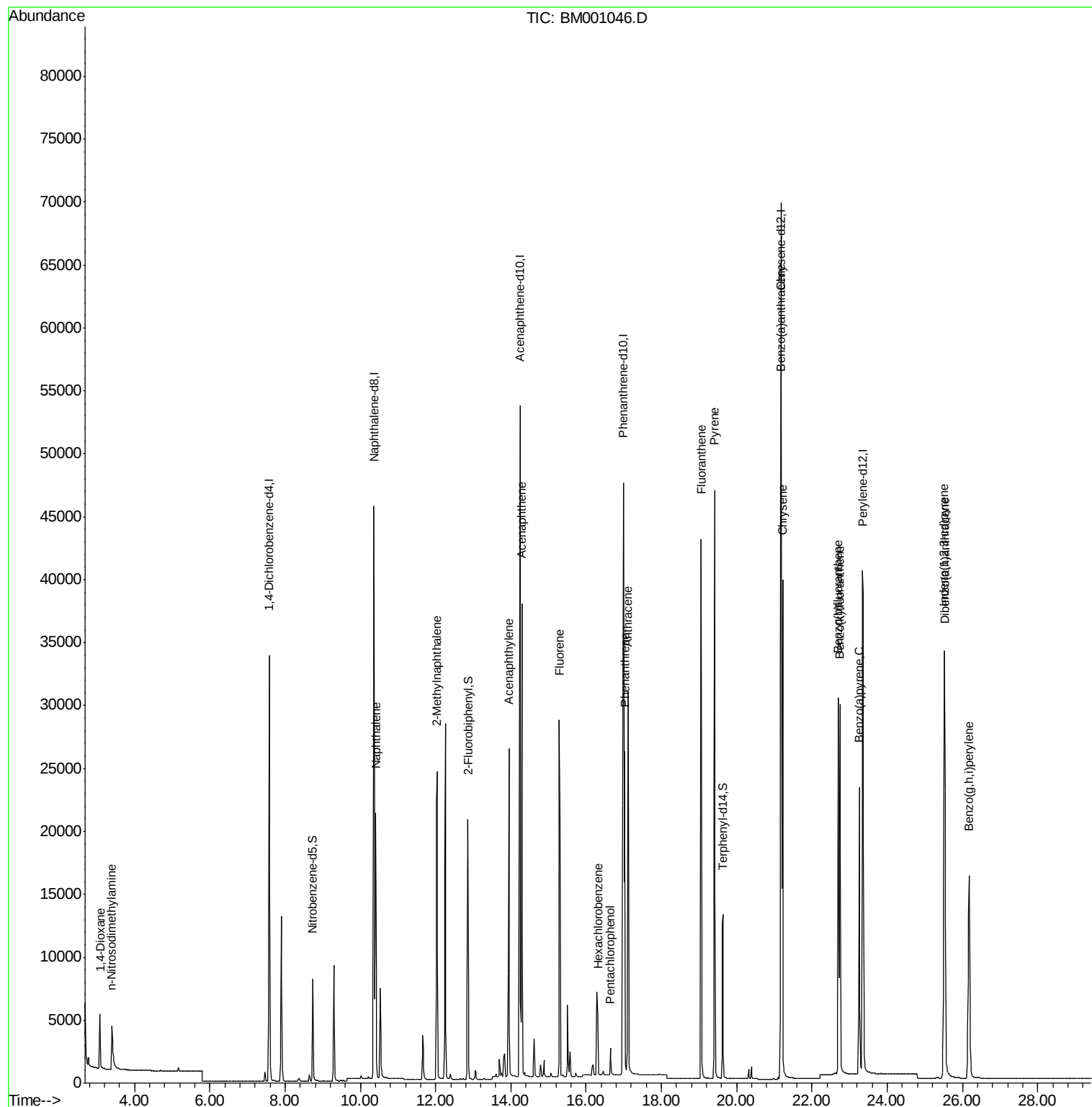
Target Compounds

						Qvalue
2) 1,4-Dioxane	3.08	88	3674	2.55	ng	# 100
3) n-Nitrosodimethylamine	3.39	42	3656	2.30	ng	98
6) Naphthalene	10.41	128	28835	2.04	ng	99
7) 2-Methylnaphthalene	12.04	142	19072	2.12	ng	98
10) Acenaphthylene	13.95	152	30729	2.13	ng	99
11) Acenaphthene	14.29	154	19505	1.96	ng	99
12) Fluorene	15.29	166	23442	2.09	ng	100
14) Hexachlorobenzene	16.31	284	7714	1.90	ng	# 100
15) Pentachlorophenol	16.64	266	2101	2.05	ng	97
16) Phenanthrene	17.03	178	36980	1.94	ng	100
17) Anthracene	17.11	178	35769	2.20	ng	100
18) Fluoranthene	19.05	202	40161	2.11	ng	100
20) Pyrene	19.42	202	41723	2.08	ng	99
22) Benzo(a)anthracene	21.17	228	36149	2.05	ng	99
23) Chrysene	21.22	228	37447	2.04	ng	99
24) Indeno(1,2,3-cd)pyrene	25.52	276	38885	2.04	ng	100
26) Benzo(b)fluoranthene	22.70	252	36473	2.12	ng	99
27) Benzo(k)fluoranthene	22.74	252	34462	2.09	ng	99
28) Benzo(a)pyrene	23.25	252	30892	2.09	ng	98
29) Dibenzo(a,h)anthracene	25.53	278	30592	2.10	ng	99
30) Benzo(g,h,i)perylene	26.17	276	32424	2.06	ng	99

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

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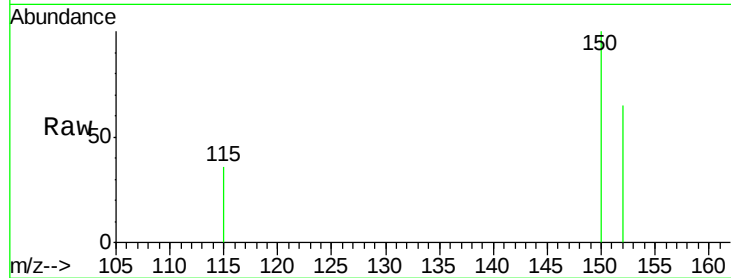
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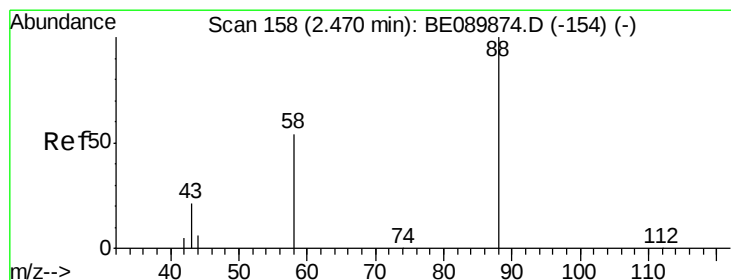
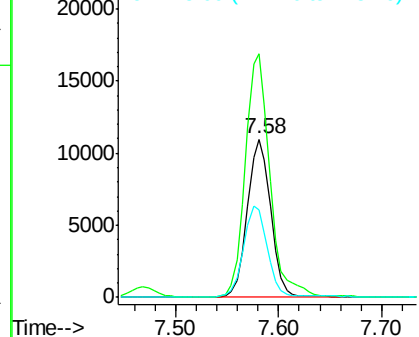
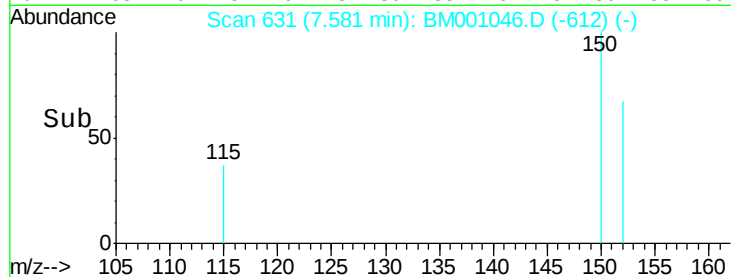


#1
 1,4-Dichlorobenzene-d4
 Concen: 5.00 ng
 RT: 7.58 min Scan# 631
 Delta R.T. 0.00 min
 Lab File: BM001046.D
 Acq: 18 Apr 2015 01:07

Tgt Ion: 152 Resp: 16982
 Ion Ratio Lower Upper
 152 100
 150 153.7 123.3 184.9
 115 55.3 45.0 67.6

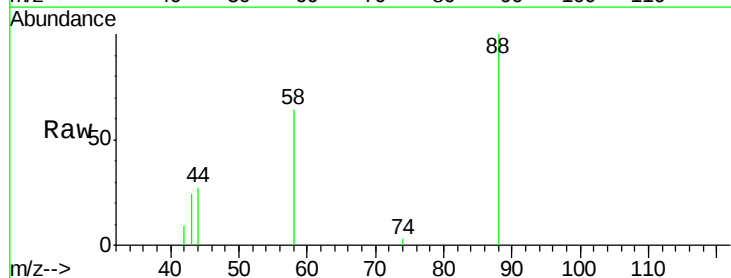


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

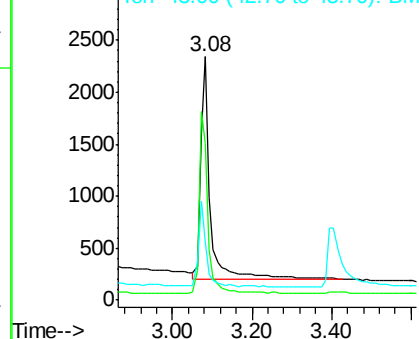
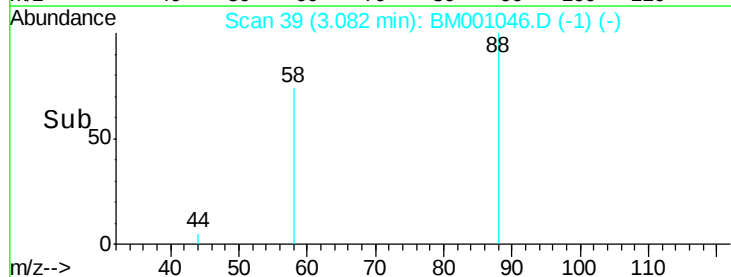


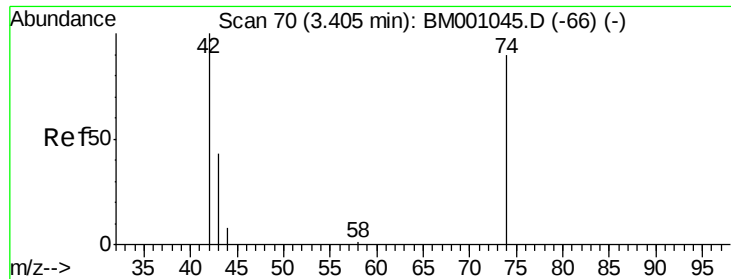
#2
 1,4-Dioxane
 Concen: 2.55 ng
 RT: 3.08 min Scan# 39
 Delta R.T. 0.00 min
 Lab File: BM001046.D
 Acq: 18 Apr 2015 01:07

Tgt Ion: 88 Resp: 3674
 Ion Ratio Lower Upper
 88 100
 58 72.6 0.0 0.0#
 43 32.6 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: 2.30 ng

RT: 3.39 min Scan# 69

Delta R.T. -0.01 min

Lab File: BM001046.D

Acq: 18 Apr 2015 01:07

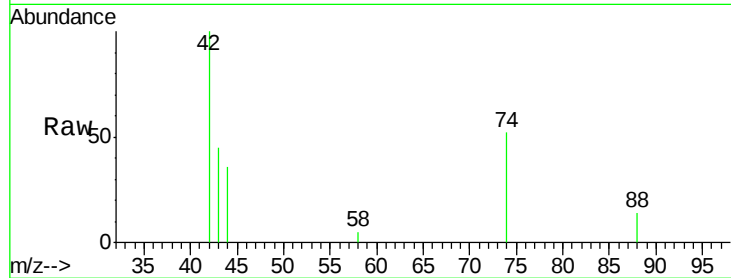
Tgt Ion: 42 Resp: 3656

Ion Ratio Lower Upper

42 100

74 113.0 92.1 138.1

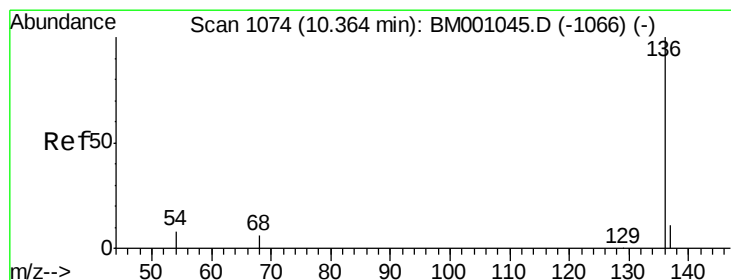
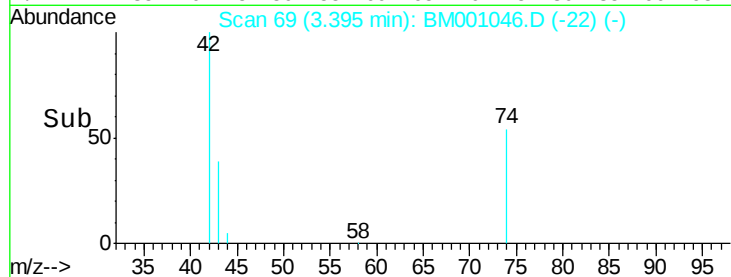
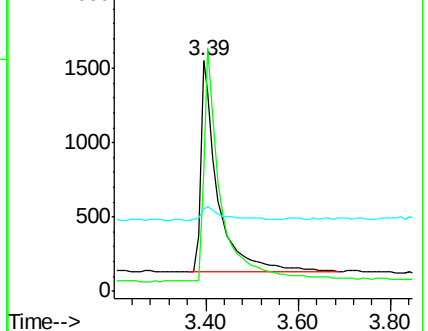
44 6.8 5.8 8.6



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: BM001046.D

Acq: 18 Apr 2015 01:07

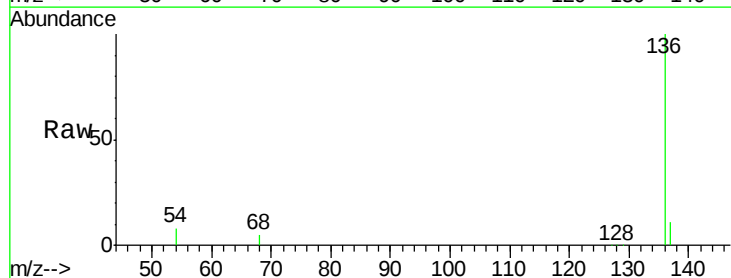
Tgt Ion: 136 Resp: 60977

Ion Ratio Lower Upper

136 100

137 11.0 8.6 13.0

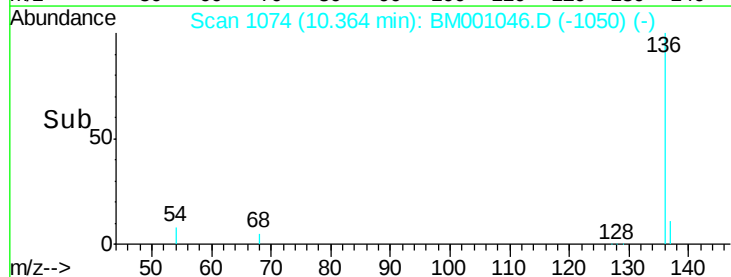
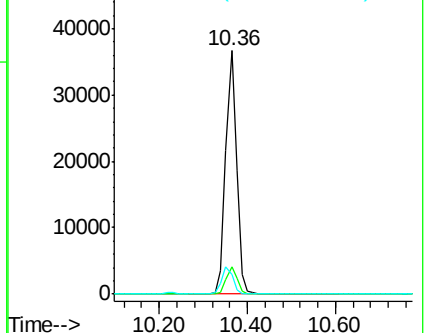
54 8.0 6.5 9.7

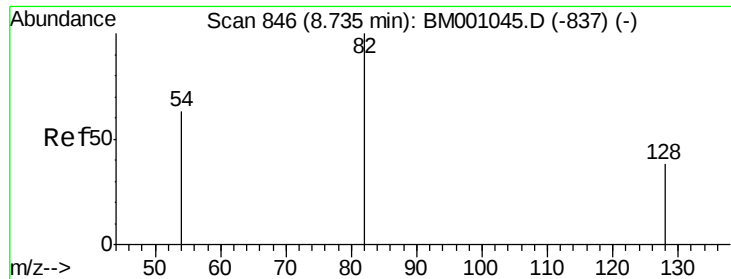


Abundance Ion 136.00 (135.70 to 136.70): BM001045.D (-1066) (-)

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: 2.22 ng

RT: 8.74 min Scan# 846

Delta R.T. 0.00 min

Lab File: BM001046.D

Acq: 18 Apr 2015 01:07

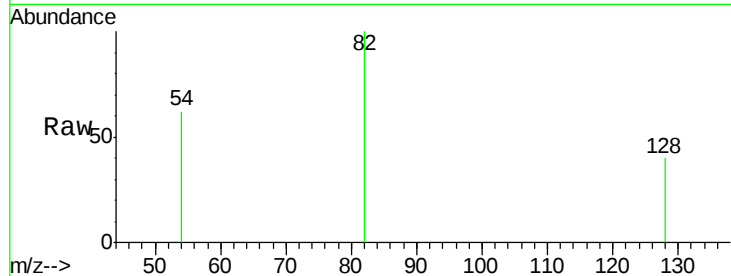
Tgt Ion: 82 Resp: 6778

Ion Ratio Lower Upper

82 100

128 40.0 31.9 47.9

54 62.3 51.3 76.9

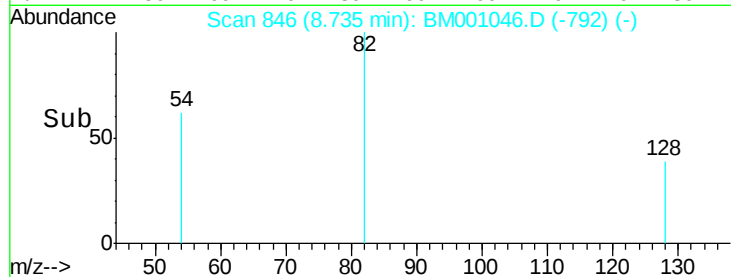


Abundance Ion 82.00 (81.70 to 82.70): BM001046.D (-1053) (-)

Ion 128.00 (127.70 to 128.70): BM001046.D (-1053) (-)

Ion 54.00 (53.70 to 54.70): BM001046.D (-1053) (-)

Time-->



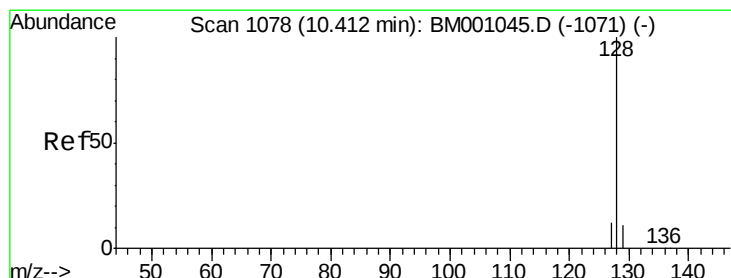
Abundance

Ion 82.00 (81.70 to 82.70): BM001046.D (-1053) (-)

Ion 128.00 (127.70 to 128.70): BM001046.D (-1053) (-)

Ion 54.00 (53.70 to 54.70): BM001046.D (-1053) (-)

Time-->



#6

Naphthalene

Concen: 2.04 ng

RT: 10.41 min Scan# 1078

Delta R.T. 0.00 min

Lab File: BM001046.D

Acq: 18 Apr 2015 01:07

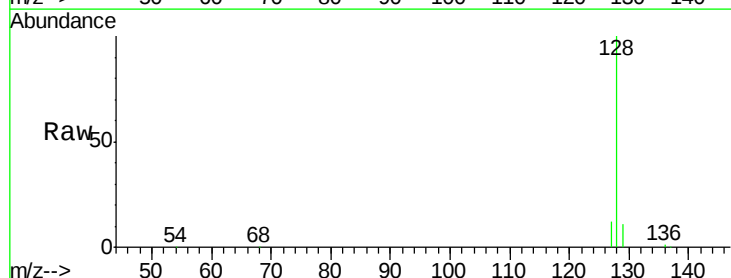
Tgt Ion: 128 Resp: 28835

Ion Ratio Lower Upper

128 100

129 11.4 9.3 13.9

127 12.3 10.0 15.0

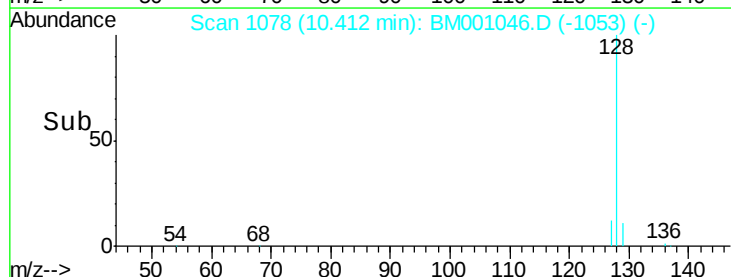


Abundance Ion 128.00 (127.70 to 128.70): BM001046.D (-1053) (-)

Ion 129.00 (128.70 to 129.70): BM001046.D (-1053) (-)

Ion 127.00 (126.70 to 127.70): BM001046.D (-1053) (-)

Time-->



Abundance

Ion 128.00 (127.70 to 128.70): BM001046.D (-1053) (-)

Ion 129.00 (128.70 to 129.70): BM001046.D (-1053) (-)

Ion 127.00 (126.70 to 127.70): BM001046.D (-1053) (-)

Time-->



#7

2-Methylnaphthalene

Concen: 2.12 ng

RT: 12.04 min Scan# 1224

Delta R.T. 0.00 min

Lab File: BM001046.D

Acq: 18 Apr 2015 01:07

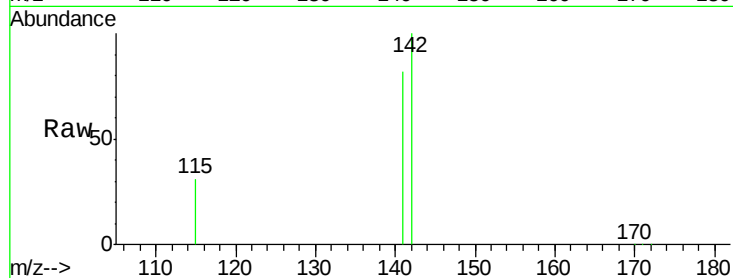
Tgt Ion:142 Resp: 19072

Ion Ratio Lower Upper

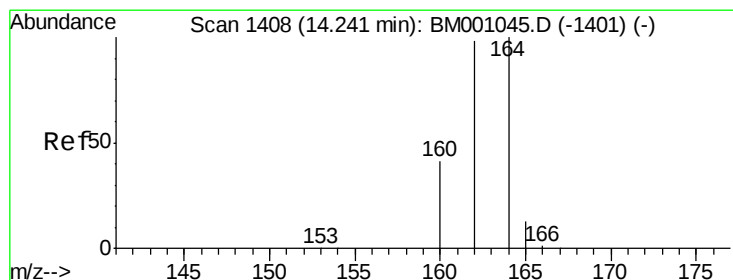
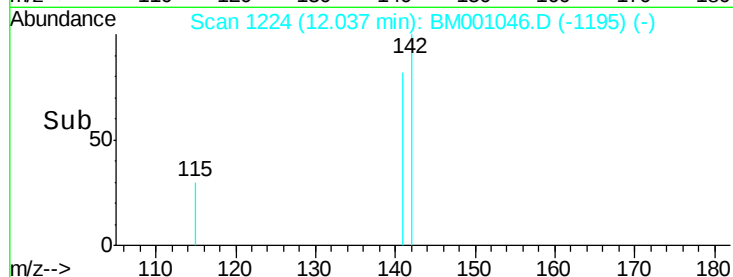
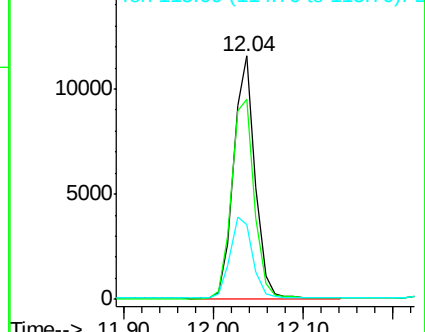
142 100

141 82.3 66.7 100.1

115 30.6 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: BM001046.D

Acq: 18 Apr 2015 01:07

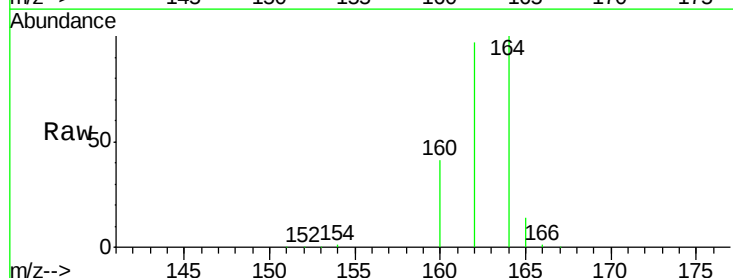
Tgt Ion:164 Resp: 32488

Ion Ratio Lower Upper

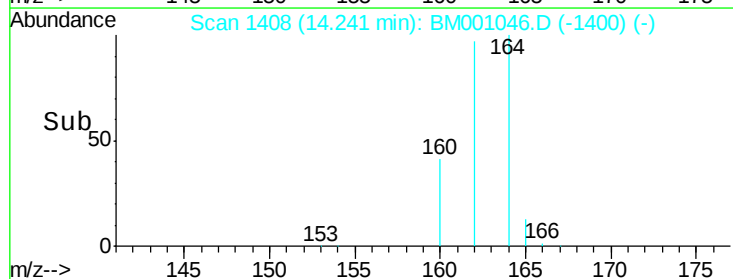
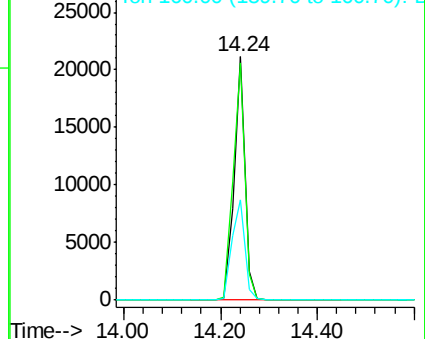
164 100

162 97.2 78.5 117.7

160 41.1 32.9 49.3



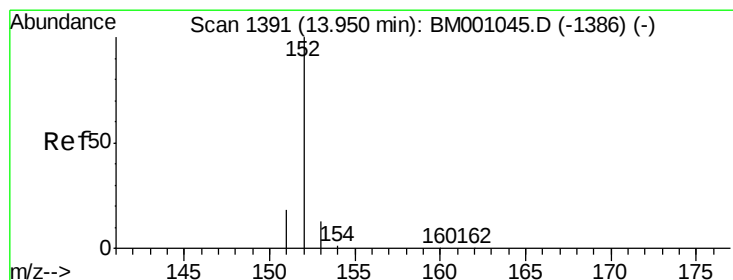
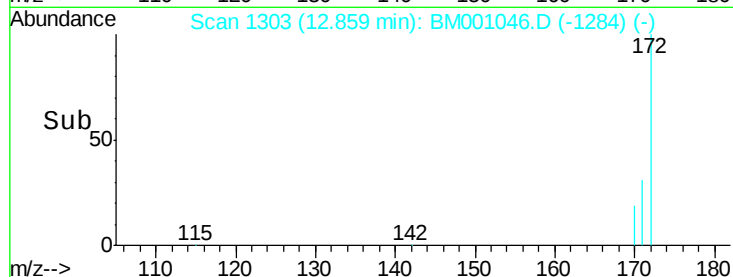
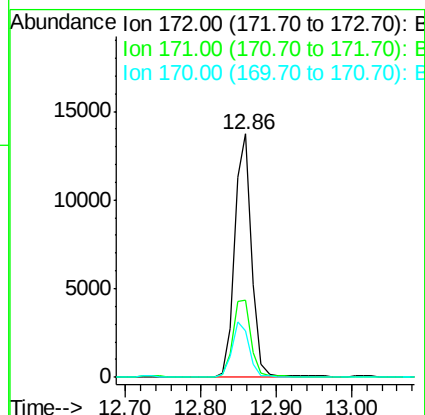
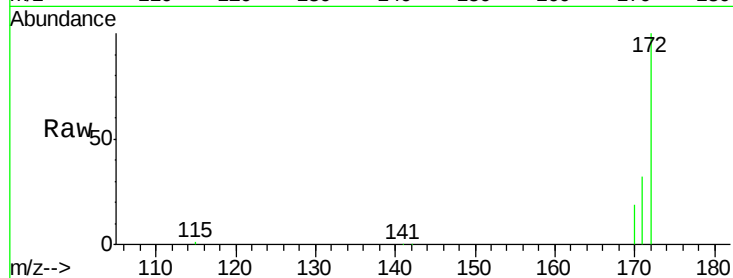
Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E





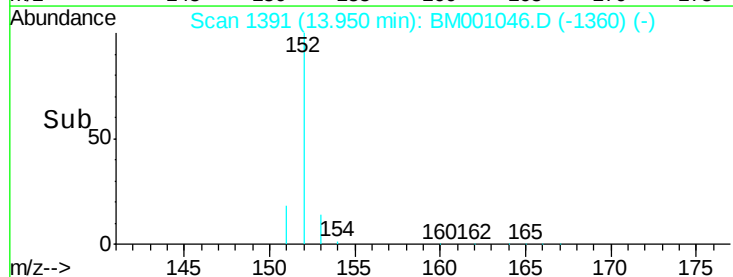
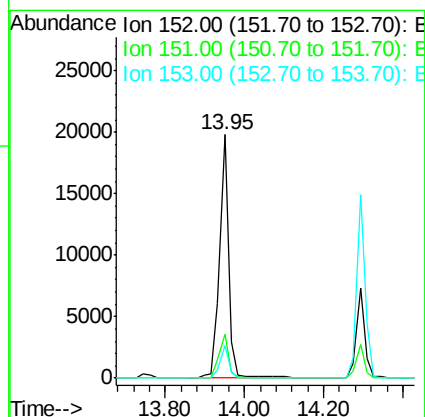
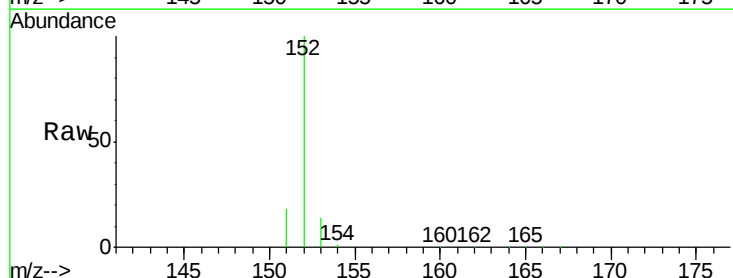
#9
2-Fluorobiphenyl
Concen: 2.11 ng
RT: 12.86 min Scan# 1303
Delta R.T. 0.00 min
Lab File: BM001046.D
Acq: 18 Apr 2015 01:07

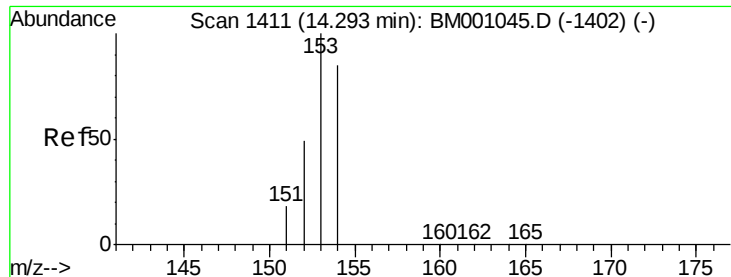
Tgt Ion:172 Resp: 21305
Ion Ratio Lower Upper
172 100
171 31.7 25.6 38.4
170 19.2 15.8 23.6



#10
Acenaphthylene
Concen: 2.13 ng
RT: 13.95 min Scan# 1391
Delta R.T. 0.00 min
Lab File: BM001046.D
Acq: 18 Apr 2015 01:07

Tgt Ion:152 Resp: 30729
Ion Ratio Lower Upper
152 100
151 18.7 14.7 22.1
153 13.0 10.2 15.2





#11

Acenaphthene

Concen: 1.96 ng

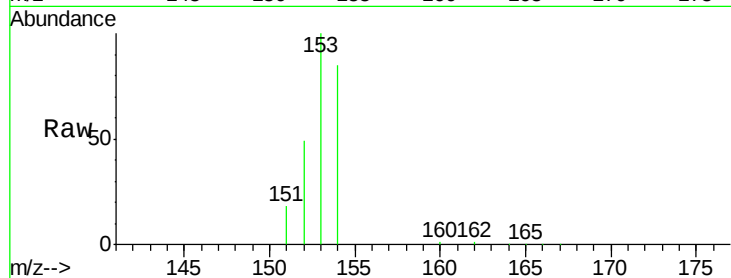
RT: 14.29 min Scan# 1411

Delta R.T. 0.00 min

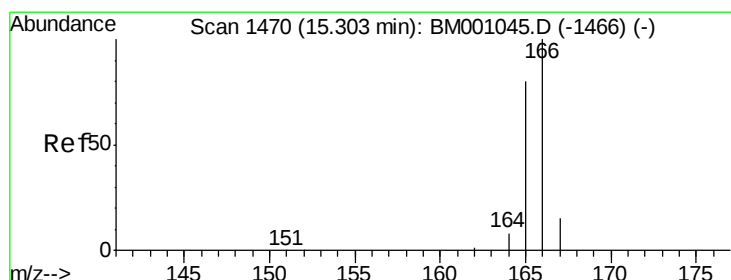
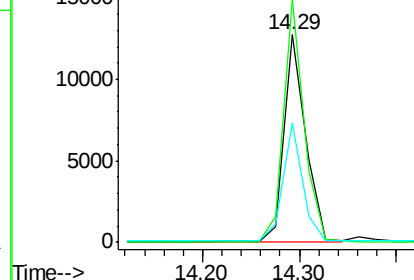
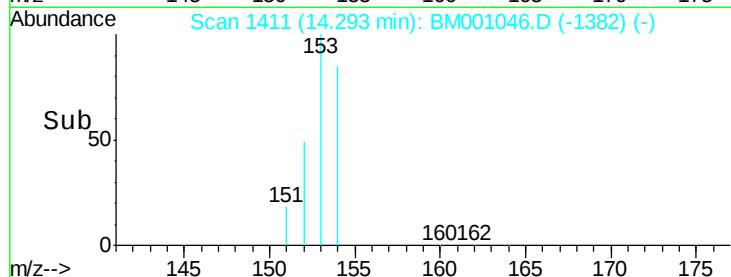
Lab File: BM001046.D

Acq: 18 Apr 2015 01:07

Tgt Ion:	154	Resp:	19505
Ion	Ratio	Lower	Upper
154	100		
153	110.7	88.1	132.1
152	53.3	42.3	63.5



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#12

Fluorene

Concen: 2.09 ng

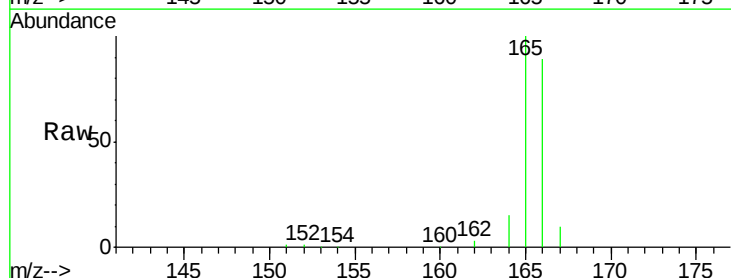
RT: 15.29 min Scan# 1469

Delta R.T. -0.02 min

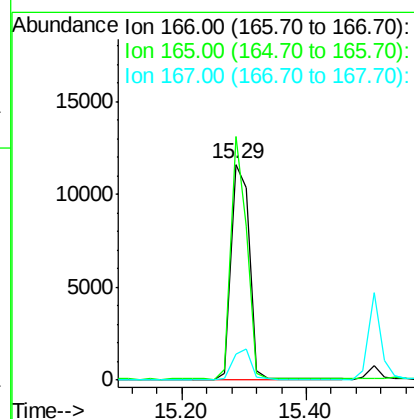
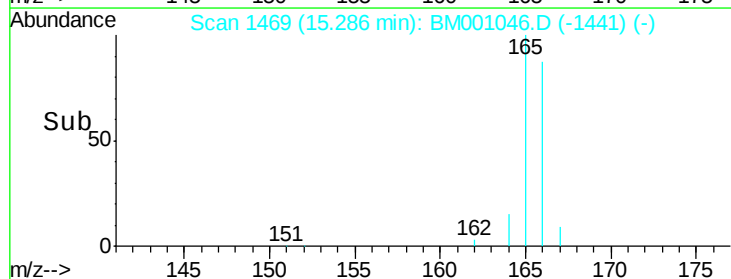
Lab File: BM001046.D

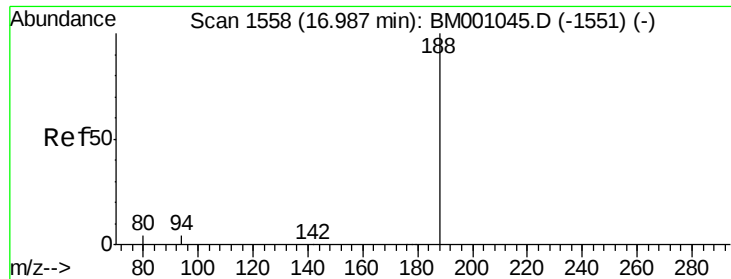
Acq: 18 Apr 2015 01:07

Tgt Ion:	166	Resp:	23442
Ion	Ratio	Lower	Upper
166	100		
165	97.5	77.6	116.4
167	13.4	10.6	16.0



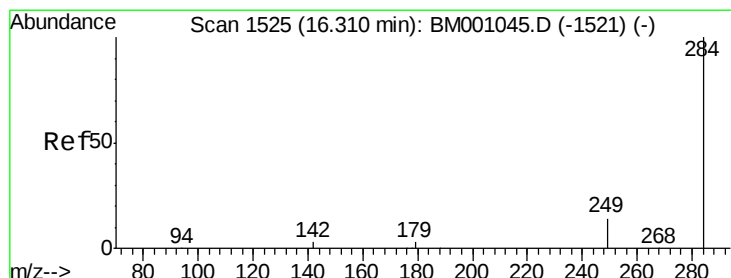
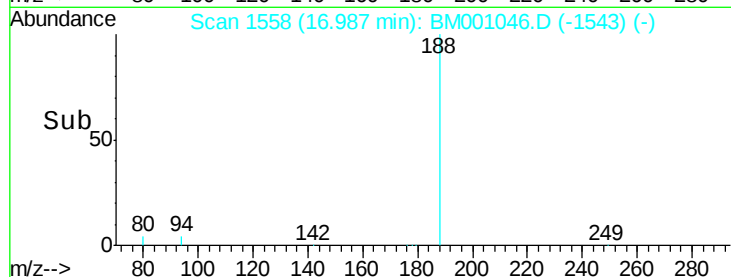
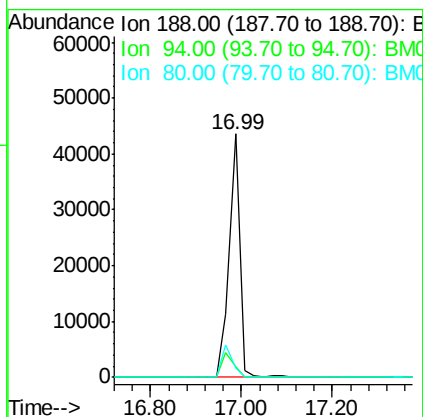
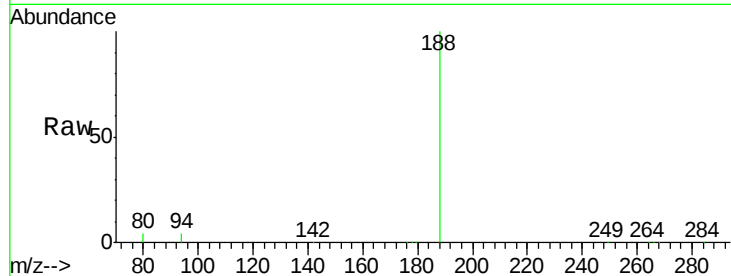
Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





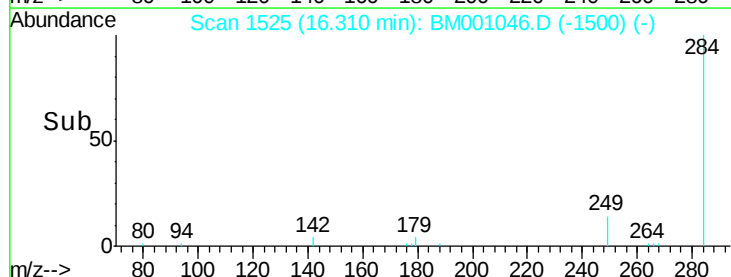
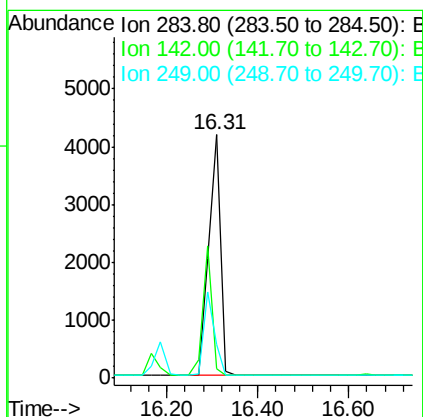
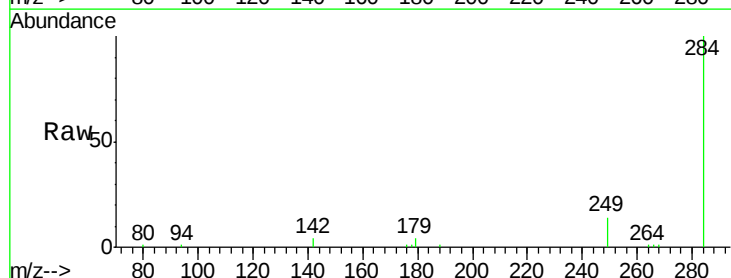
#13
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.99 min Scan# 1558
Delta R.T. 0.00 min
Lab File: BM001046.D
Acq: 18 Apr 2015 01:07

Tgt Ion:188 Resp: 70243
Ion Ratio Lower Upper
188 100
94 4.2 3.6 5.4
80 3.8 3.0 4.6



#14
Hexachlorobenzene
Concen: 1.90 ng
RT: 16.31 min Scan# 1525
Delta R.T. 0.00 min
Lab File: BM001046.D
Acq: 18 Apr 2015 01:07

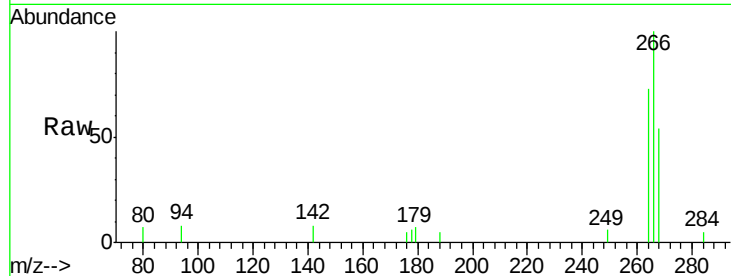
Tgt Ion:284 Resp: 7714
Ion Ratio Lower Upper
284 100
142 0.0 0.0 0.0
249 0.0 0.0 0.0



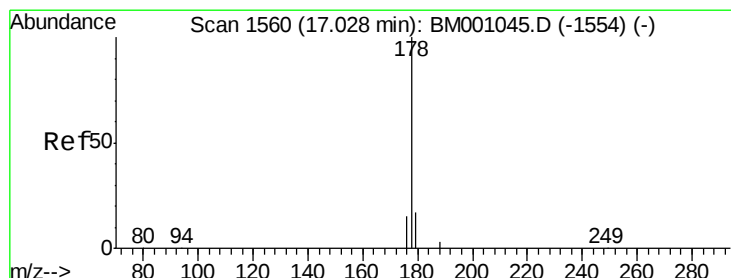
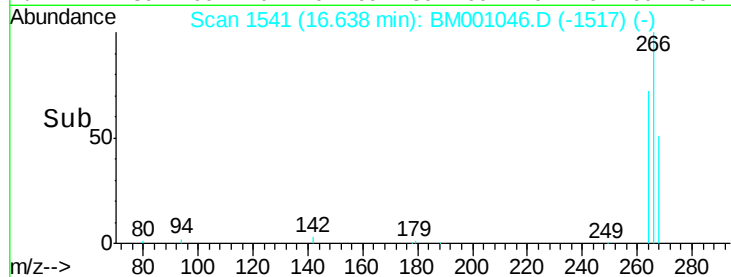
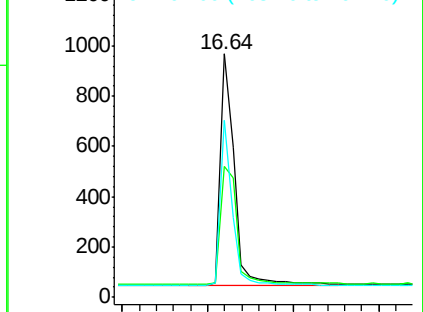


#15
 Pentachlorophenol
 Concen: 2.05 ng
 RT: 16.64 min Scan# 1541
 Delta R.T. 0.00 min
 Lab File: BM001046.D
 Acq: 18 Apr 2015 01:07

Tgt Ion: 266 Resp: 2101
 Ion Ratio Lower Upper
 266 100
 268 54.0 46.3 69.5
 264 72.9 59.8 89.6

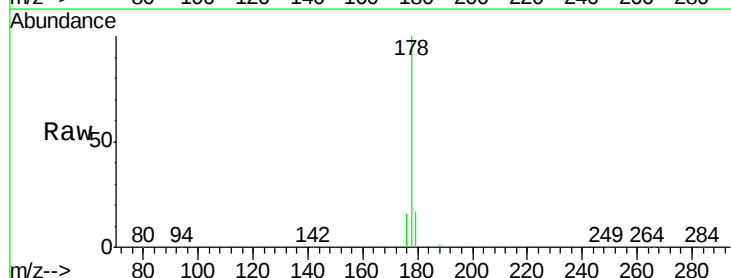


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

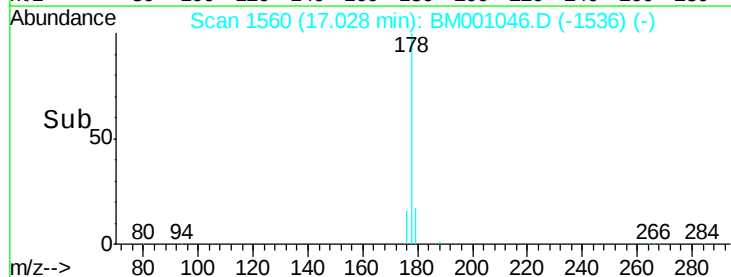
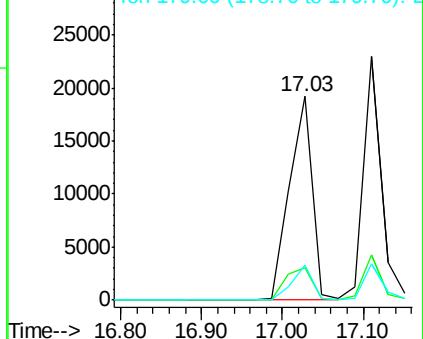


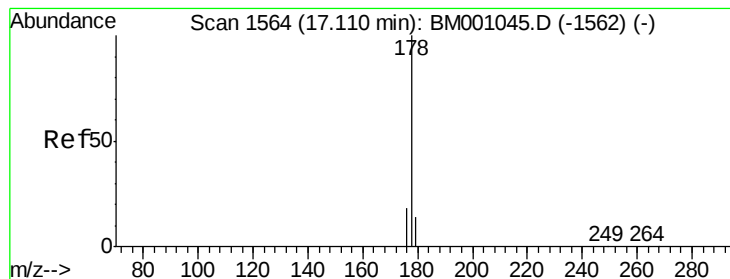
#16
 Phenanthrene
 Concen: 1.94 ng
 RT: 17.03 min Scan# 1560
 Delta R.T. 0.00 min
 Lab File: BM001046.D
 Acq: 18 Apr 2015 01:07

Tgt Ion: 178 Resp: 36980
 Ion Ratio Lower Upper
 178 100
 176 18.5 14.6 22.0
 179 15.6 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: 2.20 ng

RT: 17.11 min Scan# 1564

Delta R.T. 0.00 min

Lab File: BM001046.D

Acq: 18 Apr 2015 01:07

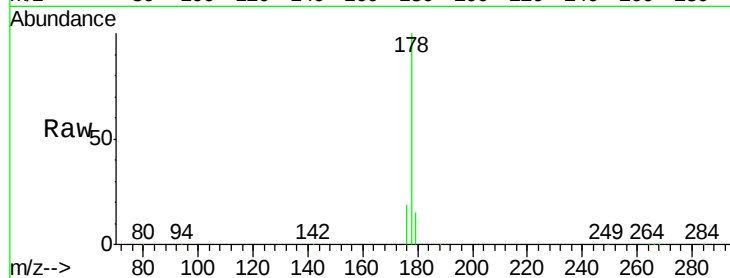
Tgt Ion:178 Resp: 35769

Ion Ratio Lower Upper

178 100

176 18.1 14.3 21.5

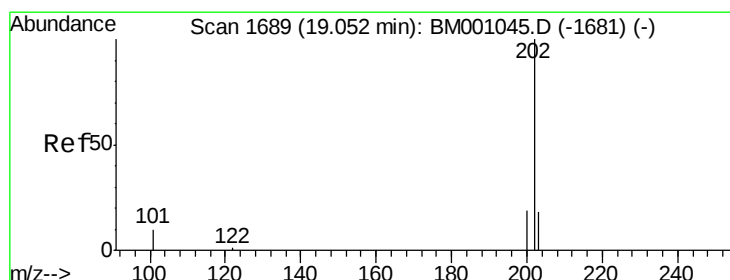
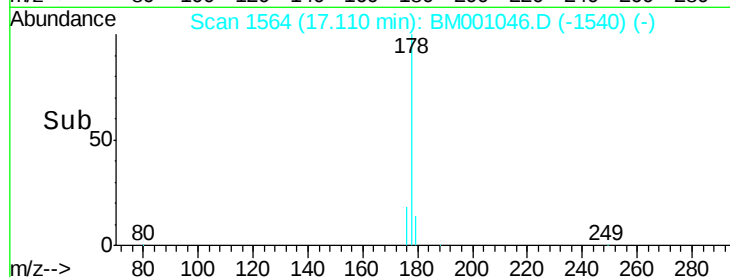
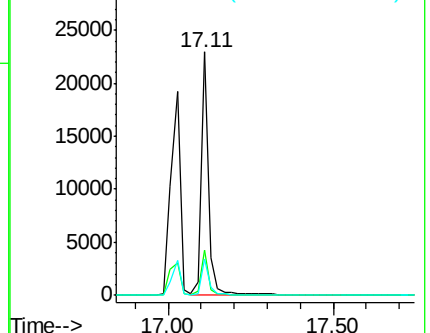
179 15.0 11.8 17.8



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: 2.11 ng

RT: 19.05 min Scan# 1689

Delta R.T. 0.00 min

Lab File: BM001046.D

Acq: 18 Apr 2015 01:07

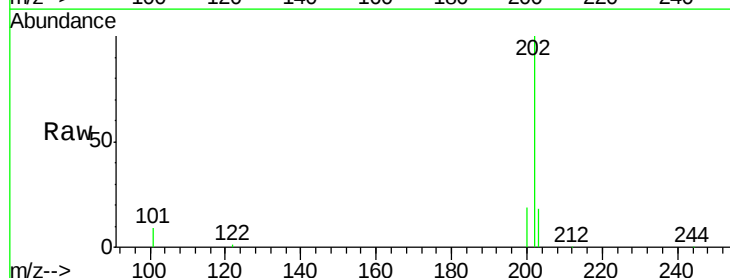
Tgt Ion:202 Resp: 40161

Ion Ratio Lower Upper

202 100

101 12.5 10.1 15.1

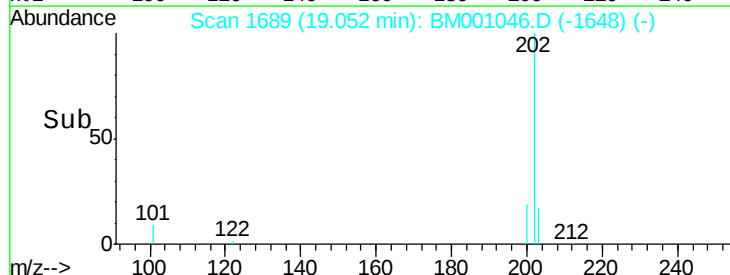
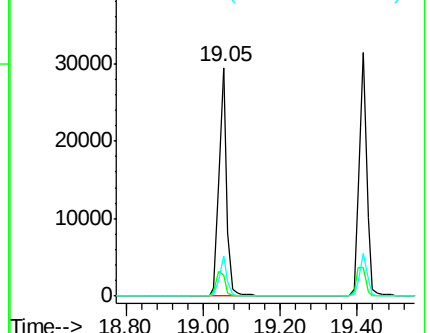
203 17.1 13.8 20.8

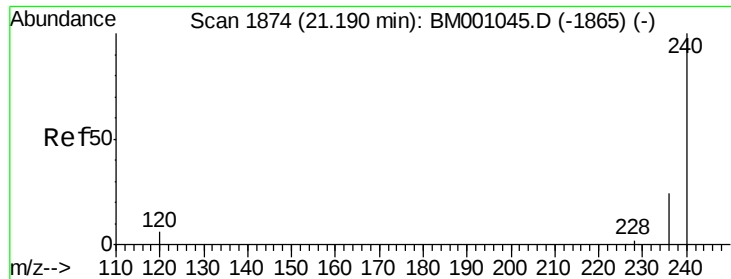


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

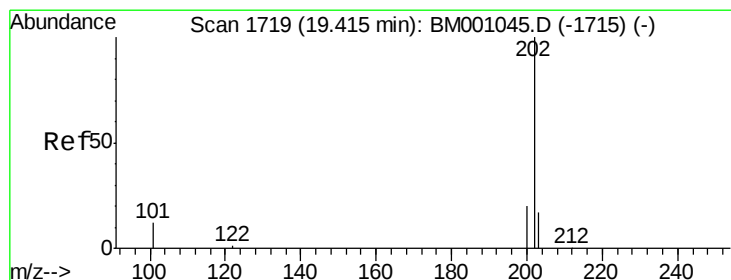
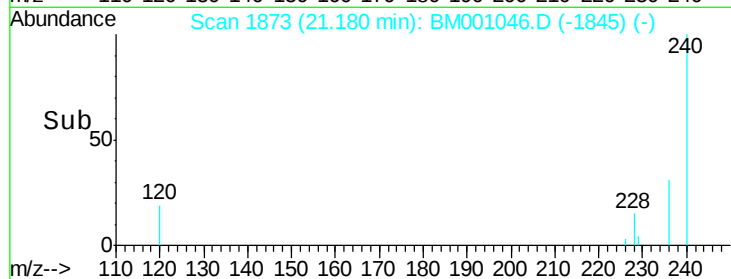
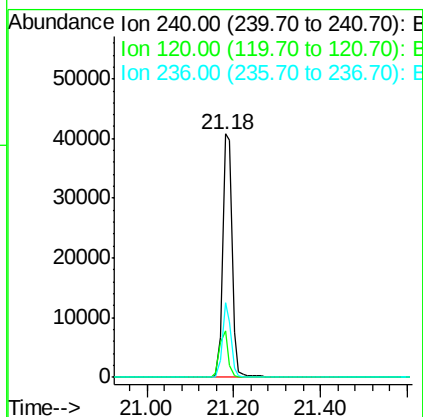
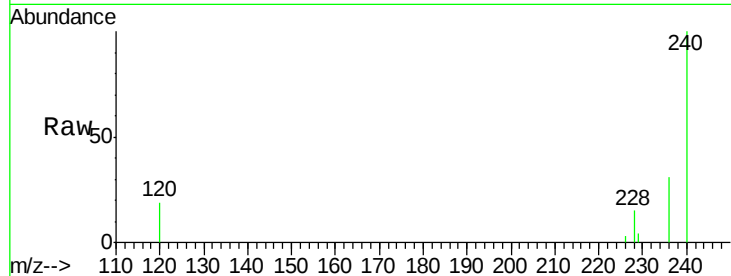
Ion 203.00 (202.70 to 203.70): E





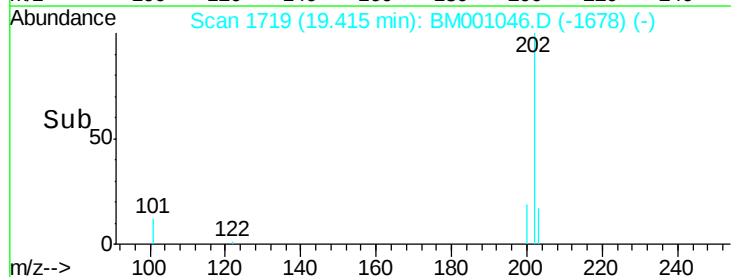
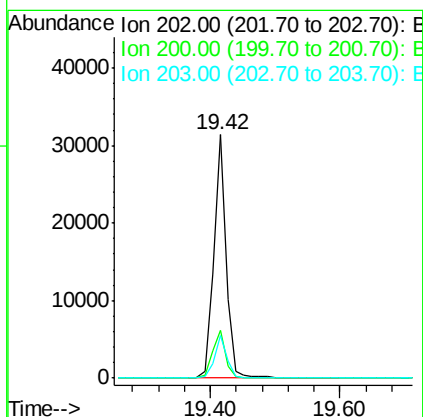
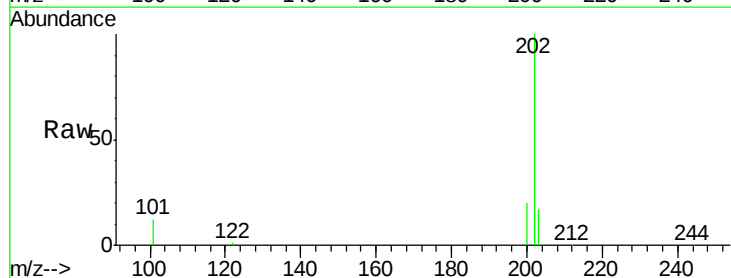
#19
Chrysene-d12
Concen: 5.00 ng
RT: 21.18 min Scan# 1873
Delta R.T. -0.01 min
Lab File: BM001046.D
Acq: 18 Apr 2015 01:07

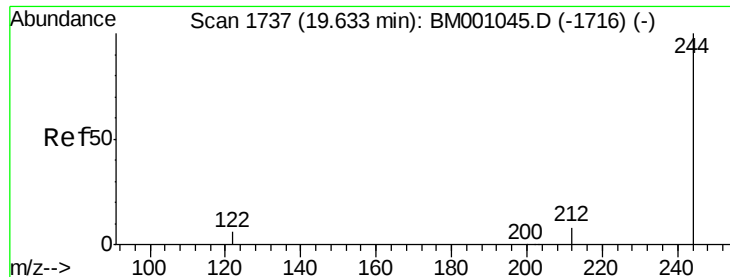
Tgt Ion: 240 Resp: 61487
Ion Ratio Lower Upper
240 100
120 19.2 4.6 6.8#
236 30.7 19.1 28.7#



#20
Pyrene
Concen: 2.08 ng
RT: 19.42 min Scan# 1719
Delta R.T. 0.00 min
Lab File: BM001046.D
Acq: 18 Apr 2015 01:07

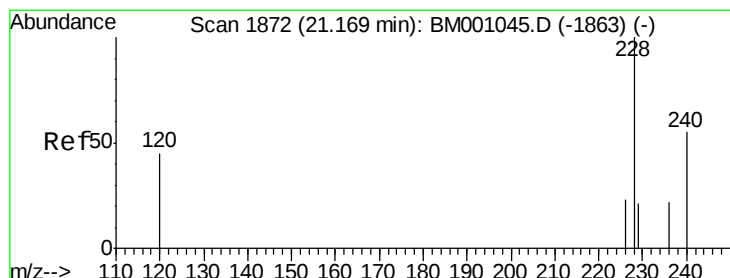
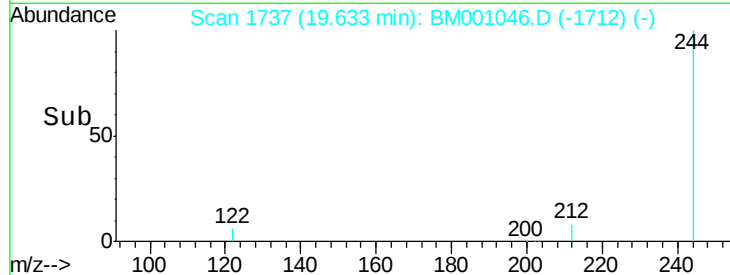
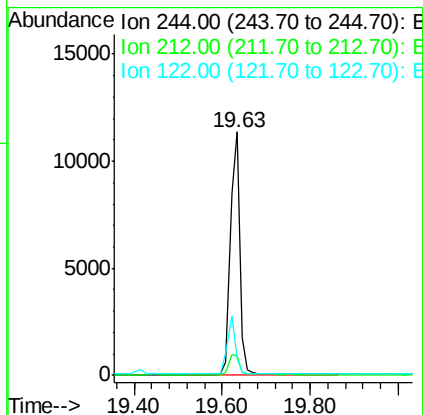
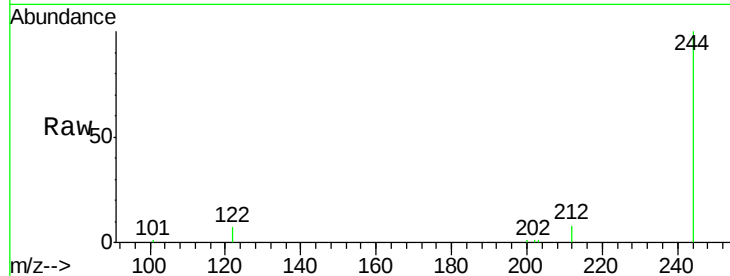
Tgt Ion: 202 Resp: 41723
Ion Ratio Lower Upper
202 100
200 20.2 16.3 24.5
203 17.5 13.8 20.6





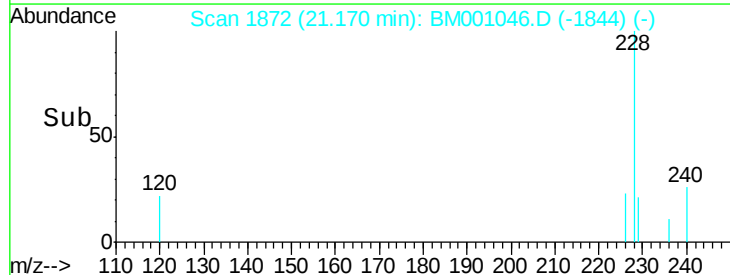
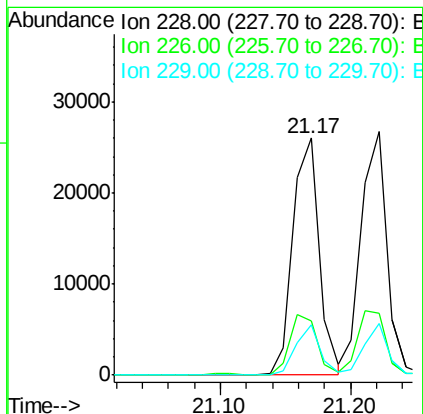
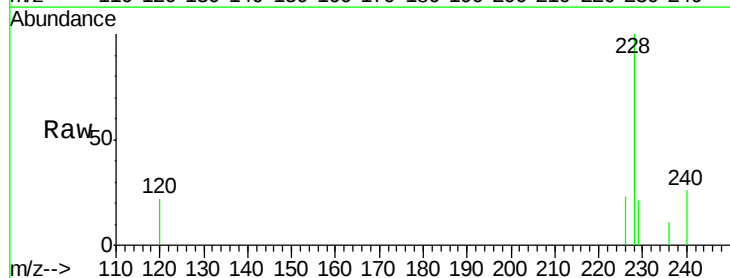
#21
 Terphenyl-d14
 Concen: 2.21 ng
 RT: 19.63 min Scan# 1737
 Delta R.T. 0.00 min
 Lab File: BM001046.D
 Acq: 18 Apr 2015 01:07

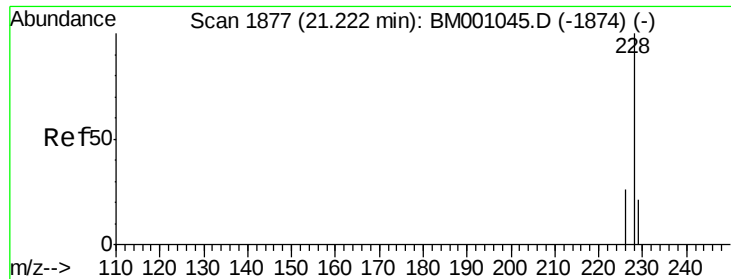
Tgt Ion: 244 Resp: 16491
 Ion Ratio Lower Upper
 244 100
 212 8.3 7.1 10.7
 122 6.9 5.9 8.9



#22
 Benzo(a)anthracene
 Concen: 2.05 ng
 RT: 21.17 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: BM001046.D
 Acq: 18 Apr 2015 01:07

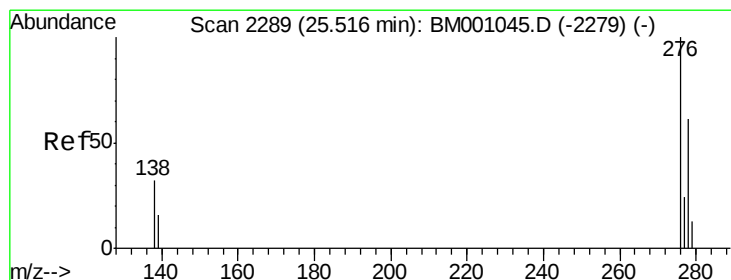
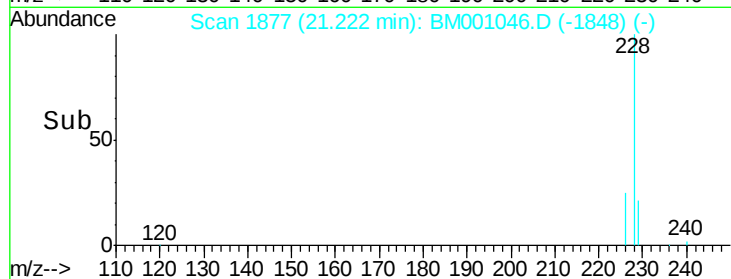
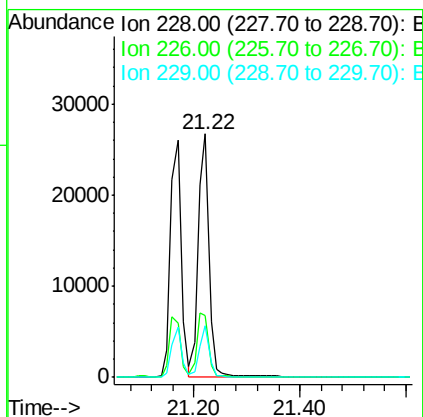
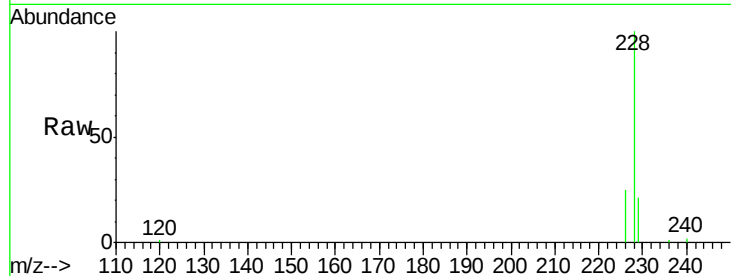
Tgt Ion: 228 Resp: 36149
 Ion Ratio Lower Upper
 228 100
 226 22.8 19.0 28.6
 229 21.4 16.8 25.2





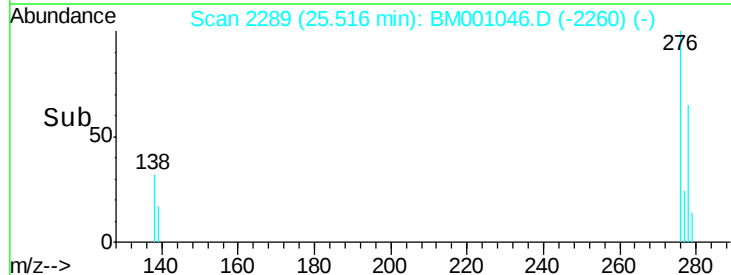
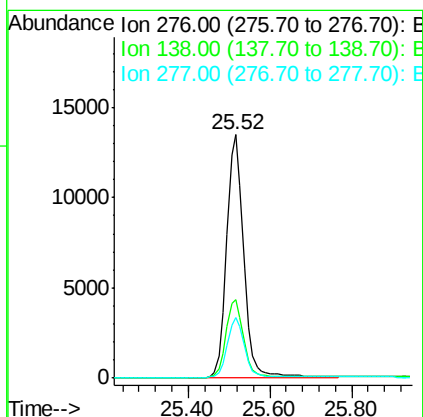
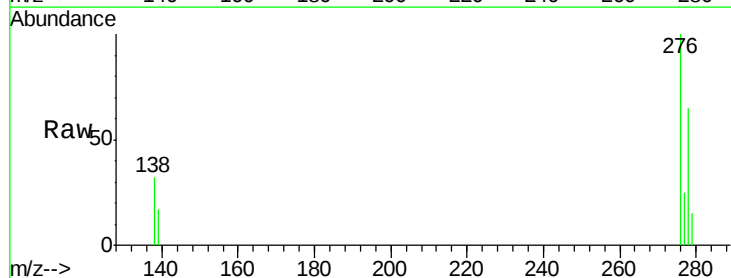
#23
Chrysene
Concen: 2.04 ng
RT: 21.22 min Scan# 1877
Delta R.T. 0.00 min
Lab File: BM001046.D
Acq: 18 Apr 2015 01:07

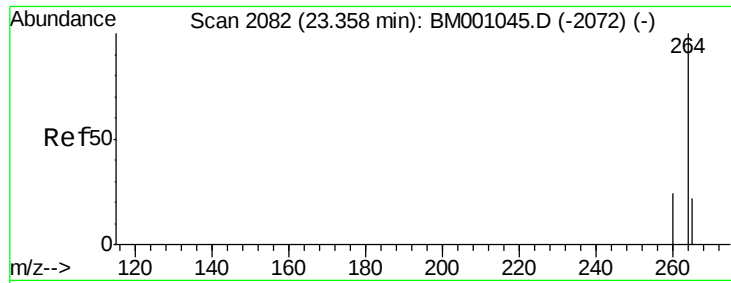
Tgt Ion: 228 Resp: 37447
Ion Ratio Lower Upper
228 100
226 25.4 20.6 31.0
229 21.1 17.2 25.8



#24
Indeno(1,2,3-cd)pyrene
Concen: 2.04 ng
RT: 25.52 min Scan# 2289
Delta R.T. 0.00 min
Lab File: BM001046.D
Acq: 18 Apr 2015 01:07

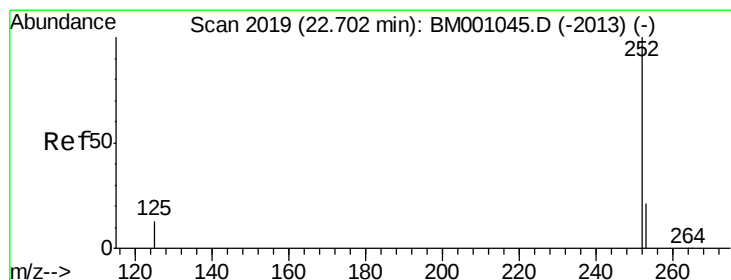
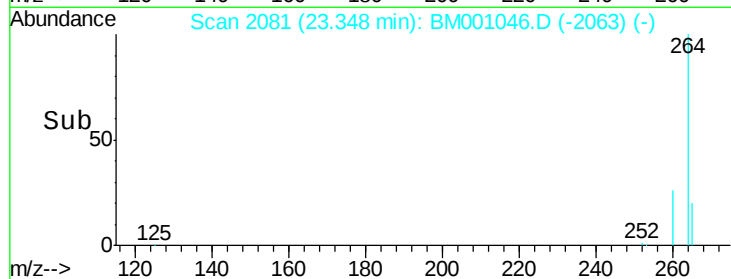
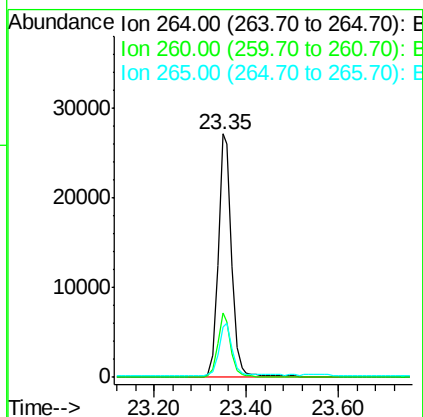
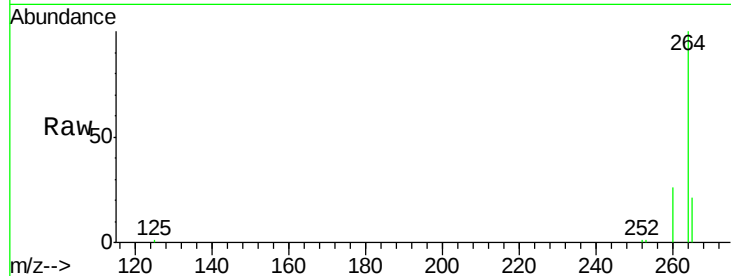
Tgt Ion: 276 Resp: 38885
Ion Ratio Lower Upper
276 100
138 33.1 26.3 39.5
277 24.5 19.5 29.3





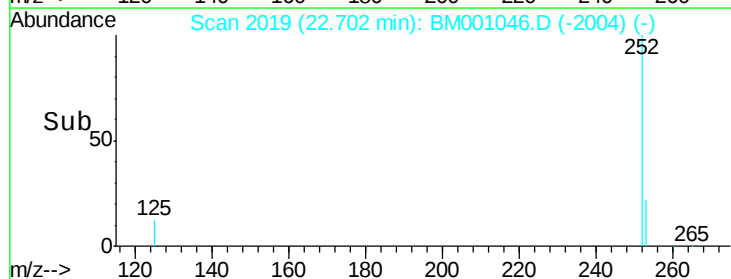
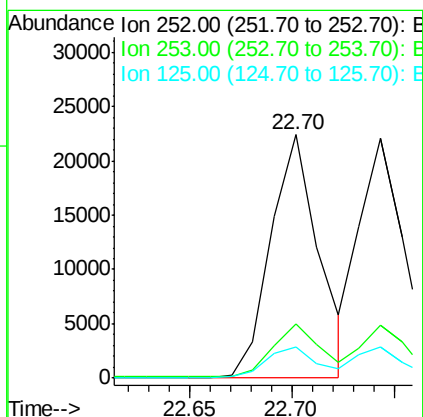
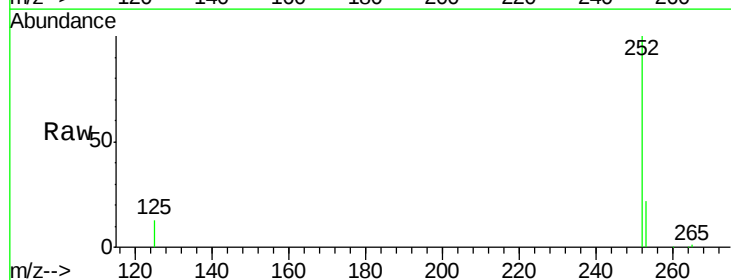
#25
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.35 min Scan# 2081
 Delta R.T. -0.01 min
 Lab File: BM001046.D
 Acq: 18 Apr 2015 01:07

Tgt Ion: 264 Resp: 54574
 Ion Ratio Lower Upper
 264 100
 260 26.2 19.0 28.6
 265 20.7 17.9 26.9



#26
 Benzo(b)fluoranthene
 Concen: 2.12 ng
 RT: 22.70 min Scan# 2019
 Delta R.T. 0.00 min
 Lab File: BM001046.D
 Acq: 18 Apr 2015 01:07

Tgt Ion: 252 Resp: 36473
 Ion Ratio Lower Upper
 252 100
 253 22.4 18.2 27.2
 125 12.6 10.9 16.3





#27

Benzo(k)fluoranthene

Concen: 2.09 ng

RT: 22.74 min Scan# 2023

Delta R.T. 0.00 min

Lab File: BM001046.D

Acq: 18 Apr 2015 01:07

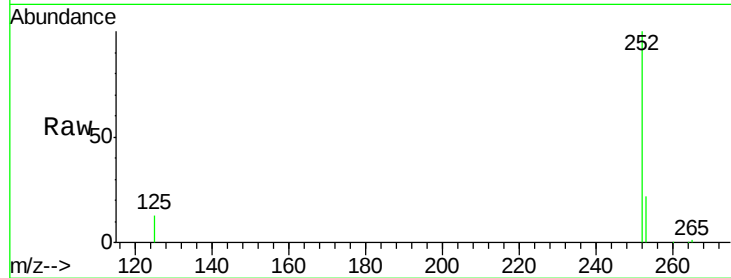
Tgt Ion:252 Resp: 34462

Ion Ratio Lower Upper

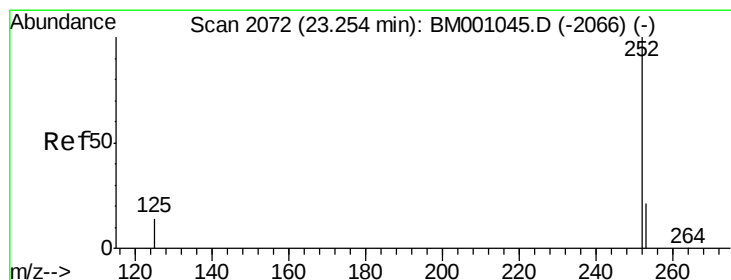
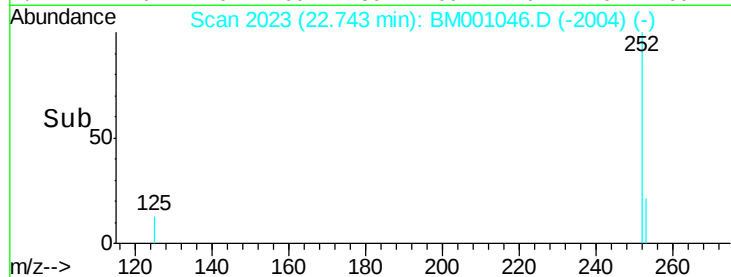
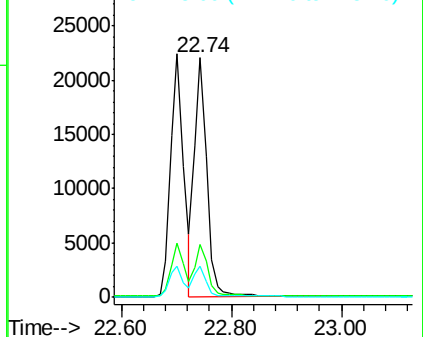
252 100

253 22.1 18.3 27.5

125 12.9 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: 2.09 ng

RT: 23.25 min Scan# 2072

Delta R.T. 0.00 min

Lab File: BM001046.D

Acq: 18 Apr 2015 01:07

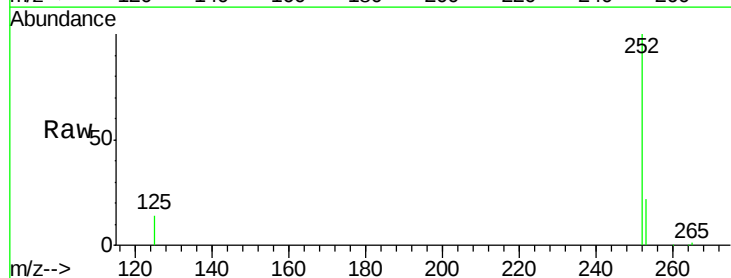
Tgt Ion:252 Resp: 30892

Ion Ratio Lower Upper

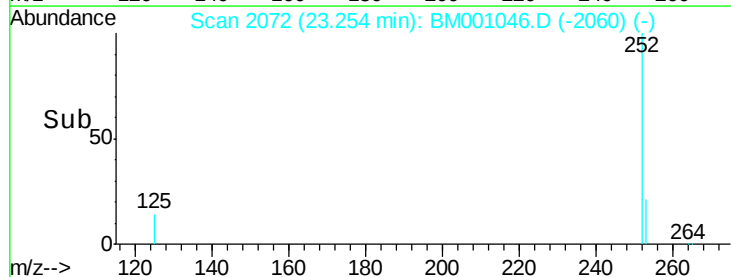
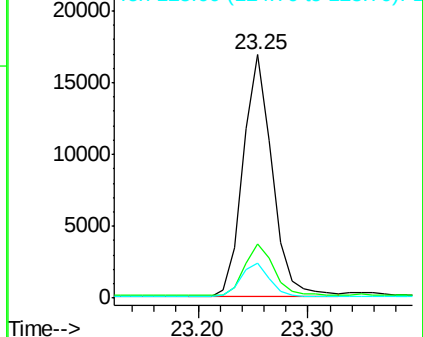
252 100

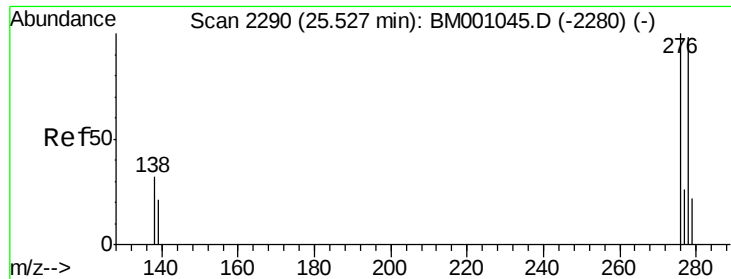
253 22.3 18.6 27.8

125 14.2 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

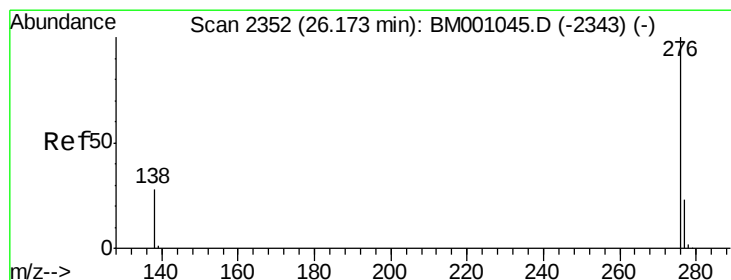
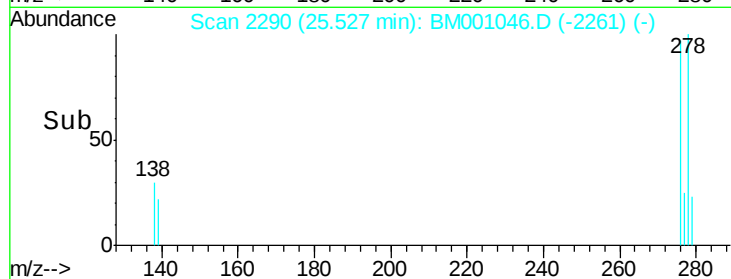
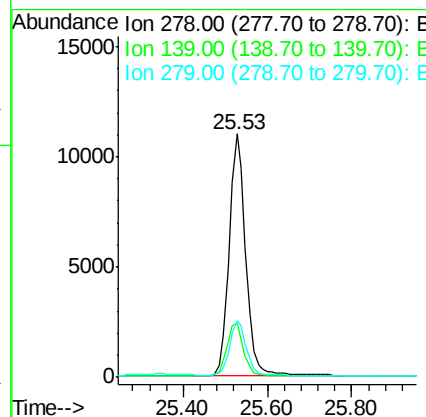
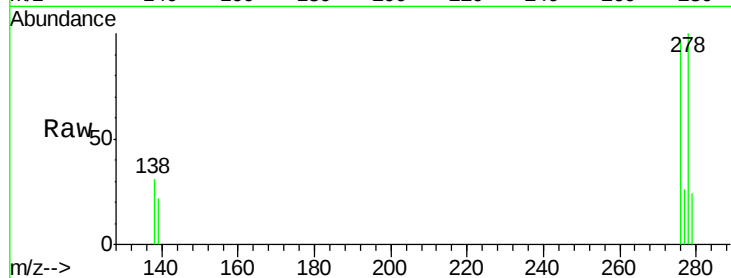




#29
Dibenzo(a,h)anthracene
Concen: 2.10 ng
RT: 25.53 min Scan# 2290
Delta R.T. 0.00 min
Lab File: BM001046.D
Acq: 18 Apr 2015 01:07

Tgt Ion: 278 Resp: 30592

Ion	Ratio	Lower	Upper
278	100		
139	22.1	18.2	27.2
279	23.5	19.1	28.7



#30
Benzo(g,h,i)perylene
Concen: 2.06 ng
RT: 26.17 min Scan# 2352
Delta R.T. 0.00 min
Lab File: BM001046.D
Acq: 18 Apr 2015 01:07

Tgt Ion: 276 Resp: 32424

Ion	Ratio	Lower	Upper
276	100		
277	23.5	19.0	28.4
138	28.9	23.4	35.2

