

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM041815\
 Data File : BM001047.D
 Acq On : 18 Apr 2015 01:43
 Operator : TP/IZ
 Sample : SSTDICC005
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Quant Time: Apr 18 05:59:55 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	17147	5.00	ng	0.00
4) Naphthalene-d8	10.36	136	61696	5.00	ng	0.00
8) Acenaphthene-d10	14.24	164	32509	5.00	ng	0.00
13) Phenanthrene-d10	16.99	188	69248	5.00	ng	0.00
19) Chrysene-d12	21.18	240	62947	5.00	ng	-0.01
25) Perylene-d12	23.35	264	55677	5.00	ng	-0.01

System Monitoring Compounds

5) Nitrobenzene-d5	8.74	82	18718	6.07	ng	0.00
9) 2-Fluorobiphenyl	12.86	172	53705	5.31	ng	0.00
21) Terphenyl-d14	19.63	244	42382	5.54	ng	0.00

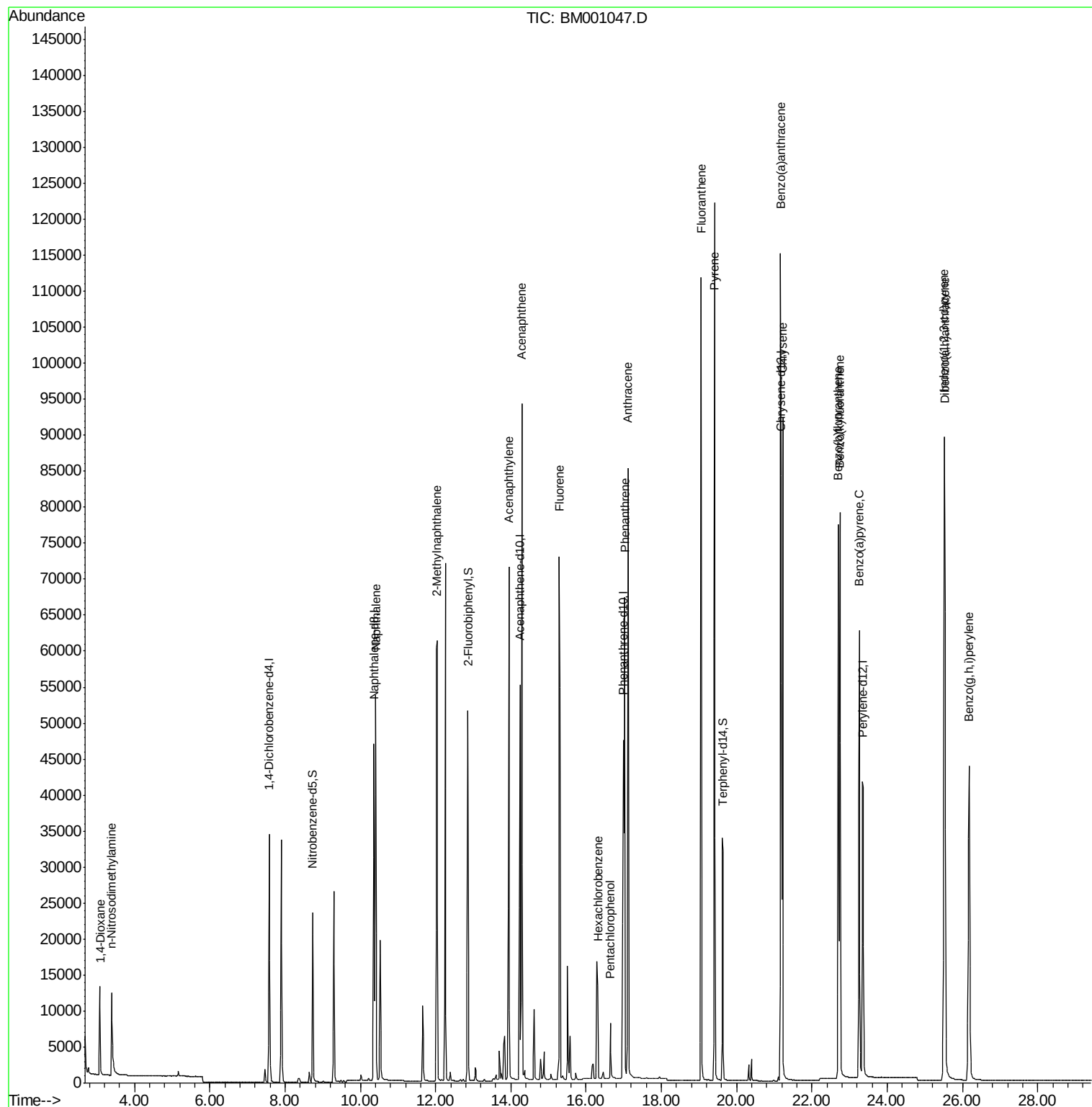
Target Compounds

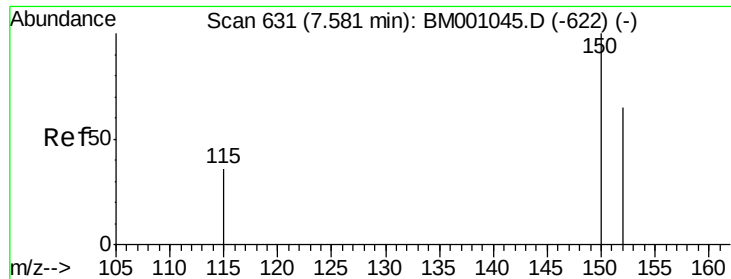
						Qvalue
2) 1,4-Dioxane	3.08	88	7809	5.38	ng	# 100
3) n-Nitrosodimethylamine	3.39	42	10025	6.24	ng	94
6) Naphthalene	10.41	128	73562	5.14	ng	99
7) 2-Methylnaphthalene	12.04	142	49028	5.39	ng	97
10) Acenaphthylene	13.95	152	83164	5.77	ng	99
11) Acenaphthene	14.29	154	49474	4.97	ng	100
12) Fluorene	15.29	166	59990	5.35	ng	100
14) Hexachlorobenzene	16.31	284	19567	4.89	ng	# 100
15) Pentachlorophenol	16.64	266	6806	6.73	ng	96
16) Phenanthrene	17.03	178	92683	4.93	ng	100
17) Anthracene	17.11	178	95013	5.93	ng	100
18) Fluoranthene	19.05	202	103016	5.48	ng	100
20) Pyrene	19.42	202	107394	5.23	ng	100
22) Benzo(a)anthracene	21.17	228	96142	5.34	ng	99
23) Chrysene	21.22	228	93524	4.98	ng	99
24) Indeno(1,2,3-cd)pyrene	25.52	276	101448	5.20	ng	99
26) Benzo(b)fluoranthene	22.70	252	94087	5.36	ng	98
27) Benzo(k)fluoranthene	22.74	252	89210	5.31	ng	98
28) Benzo(a)pyrene	23.25	252	83793	5.55	ng	97
29) Dibenzo(a,h)anthracene	25.53	278	80331	5.40	ng	98
30) Benzo(g,h,i)perylene	26.17	276	83591	5.22	ng	99

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

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM041815\
Data File : BM001047.D
Acq On : 18 Apr 2015 01:43
Operator : TP/IZ
Sample : SSTDICC005
Misc :
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Apr 18 05:59:55 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

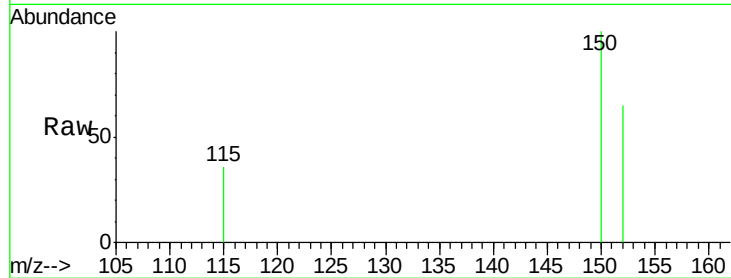




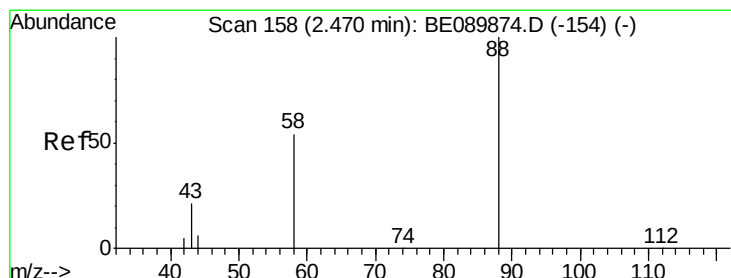
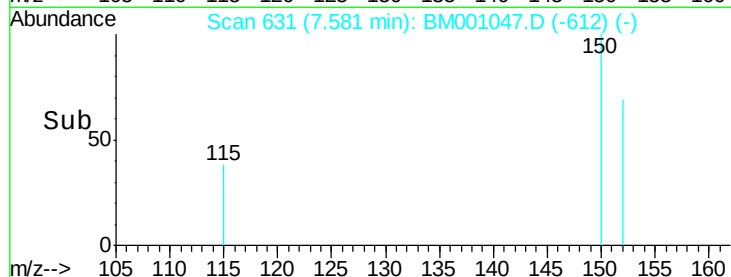
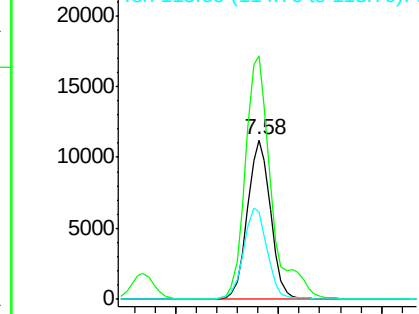
#1

1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.58 min Scan# 631
Delta R.T. 0.00 min
Lab File: BM001047.D
Acq: 18 Apr 2015 01:43

Tgt Ion: 152 Resp: 17147
Ion Ratio Lower Upper
152 100
150 152.9 123.3 184.9
115 55.0 45.0 67.6



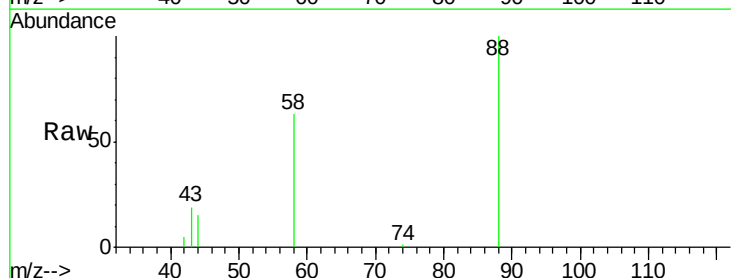
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



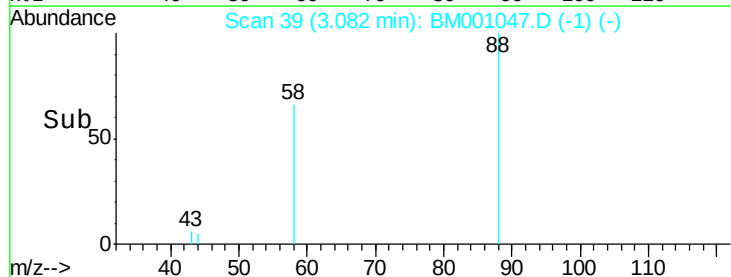
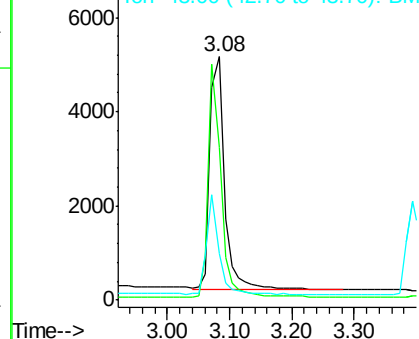
#2

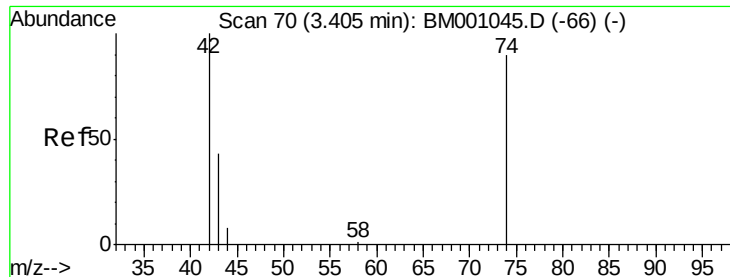
1,4-Dioxane
Concen: 5.38 ng
RT: 3.08 min Scan# 39
Delta R.T. 0.00 min
Lab File: BM001047.D
Acq: 18 Apr 2015 01:43

Tgt Ion: 88 Resp: 7809
Ion Ratio Lower Upper
88 100
58 85.2 0.0 0.0#
43 34.1 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: 6.24 ng

RT: 3.39 min Scan# 69

Delta R.T. -0.01 min

Lab File: BM001047.D

Acq: 18 Apr 2015 01:43

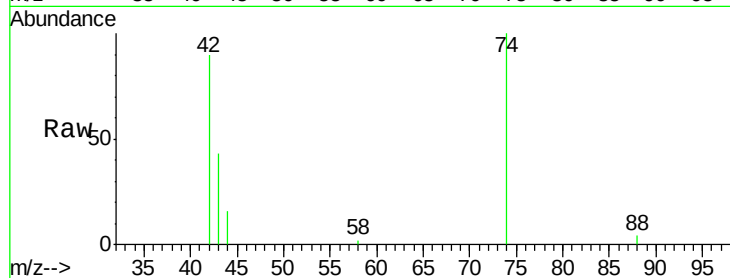
Tgt Ion: 42 Resp: 10025

Ion Ratio Lower Upper

42 100

74 108.9 92.1 138.1

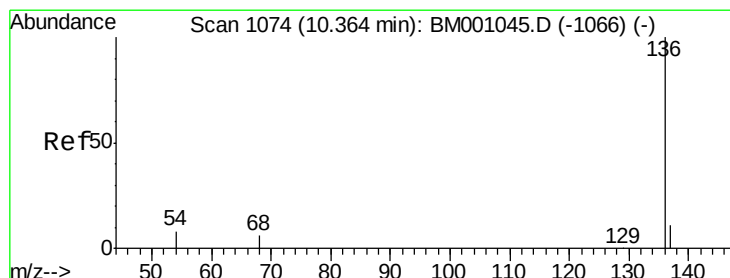
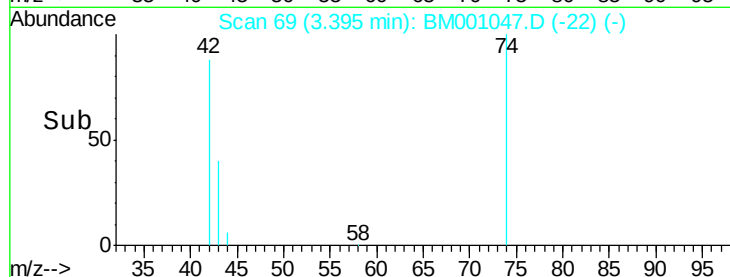
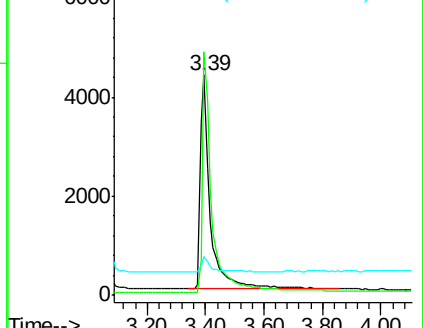
44 6.1 5.8 8.6



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: BM001047.D

Acq: 18 Apr 2015 01:43

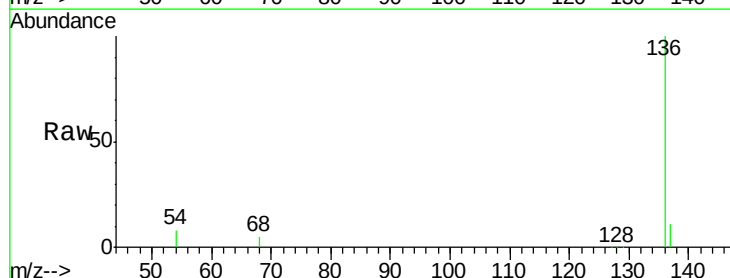
Tgt Ion: 136 Resp: 61696

Ion Ratio Lower Upper

136 100

137 11.0 8.6 13.0

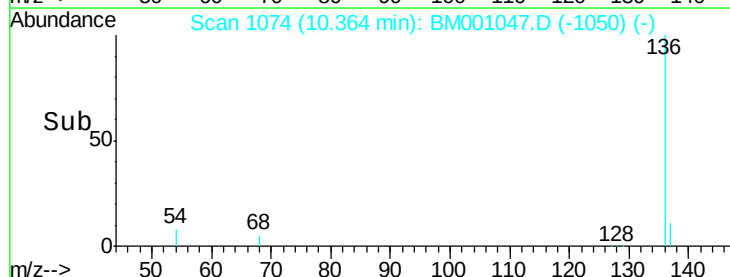
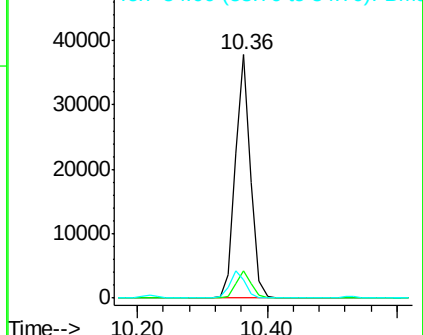
54 7.7 6.5 9.7

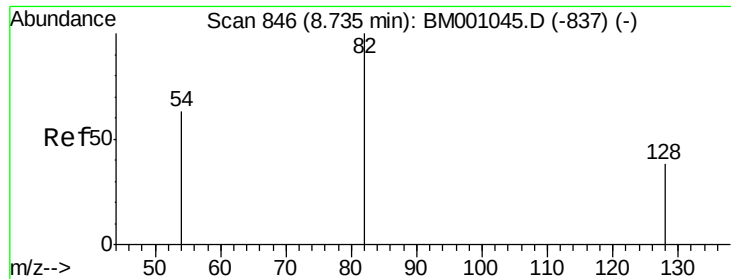


Abundance Ion 136.00 (135.70 to 136.70): BM001045.D (-1066) (-)

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: 6.07 ng

RT: 8.74 min Scan# 846

Delta R.T. 0.00 min

Lab File: BM001047.D

Acq: 18 Apr 2015 01:43

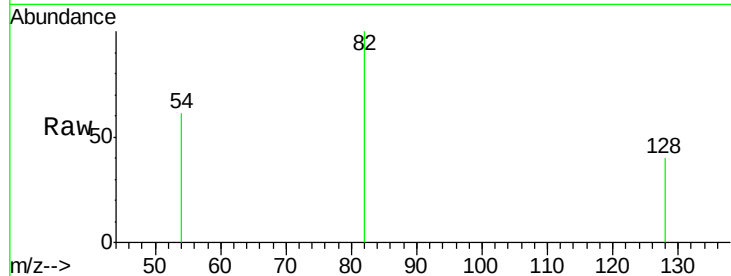
Tgt Ion: 82 Resp: 18718

Ion Ratio Lower Upper

82 100

128 40.4 31.9 47.9

54 60.6 51.3 76.9

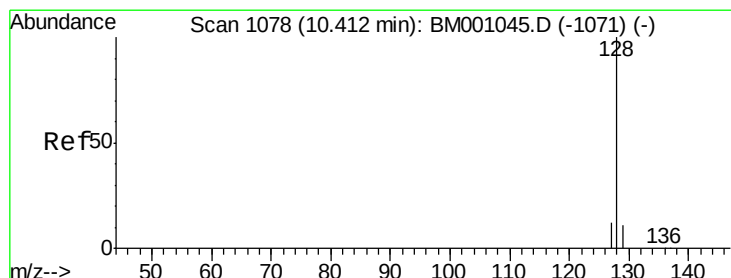
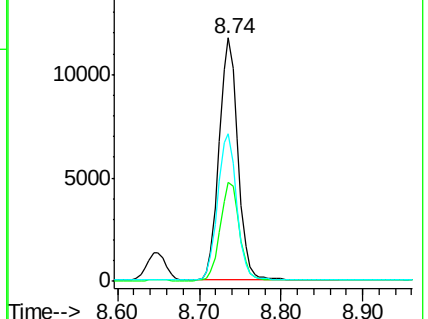
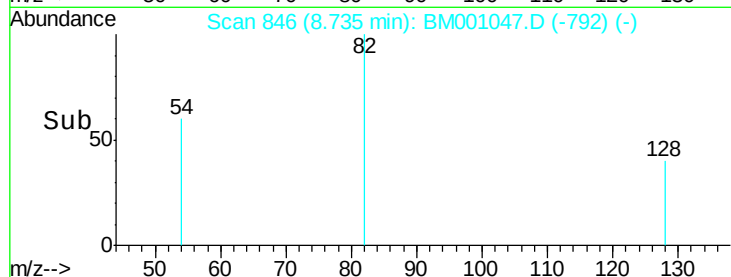


Abundance Ion 82.00 (81.70 to 82.70): BM001047.D (-837) (-)

Ion 128.00 (127.70 to 128.70): BM001047.D (-837) (-)

Ion 54.00 (53.70 to 54.70): BM001047.D (-837) (-)

Time-->



#6

Naphthalene

Concen: 5.14 ng

RT: 10.41 min Scan# 1078

Delta R.T. 0.00 min

Lab File: BM001047.D

Acq: 18 Apr 2015 01:43

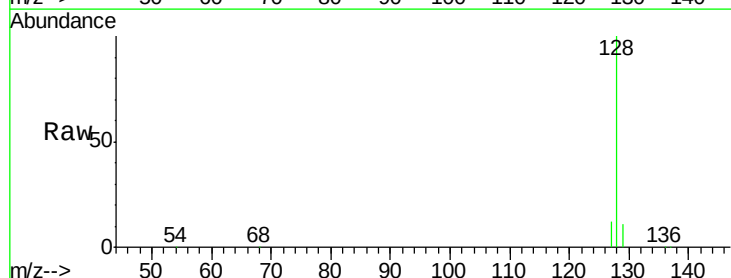
Tgt Ion: 128 Resp: 73562

Ion Ratio Lower Upper

128 100

129 11.1 9.3 13.9

127 12.0 10.0 15.0

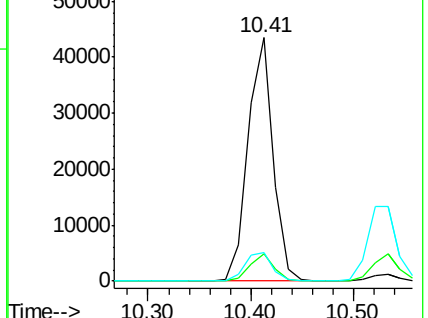
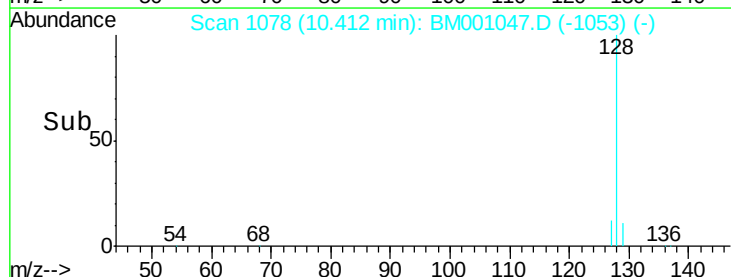


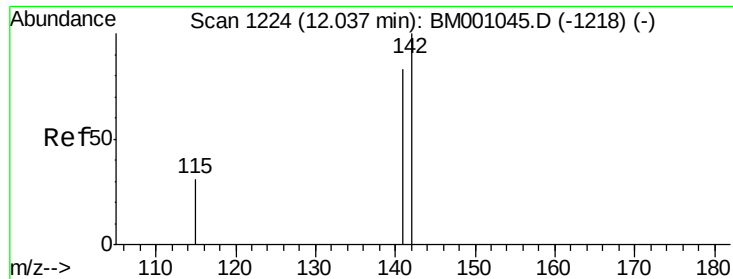
Abundance Ion 128.00 (127.70 to 128.70): BM001047.D (-1071) (-)

Ion 129.00 (128.70 to 129.70): BM001047.D (-1071) (-)

Ion 127.00 (126.70 to 127.70): BM001047.D (-1071) (-)

Time-->





#7

2-Methylnaphthalene

Concen: 5.39 ng

RT: 12.04 min Scan# 1224

Delta R.T. 0.00 min

Lab File: BM001047.D

Acq: 18 Apr 2015 01:43

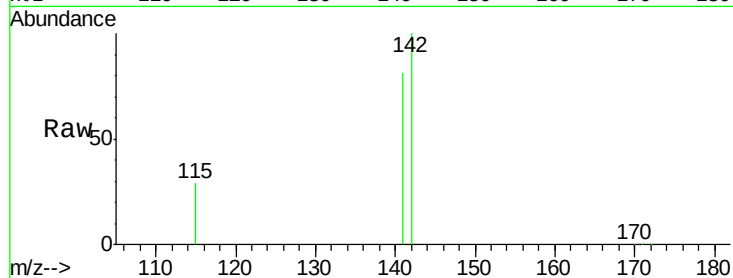
Tgt Ion:142 Resp: 49028

Ion Ratio Lower Upper

142 100

141 80.8 66.7 100.1

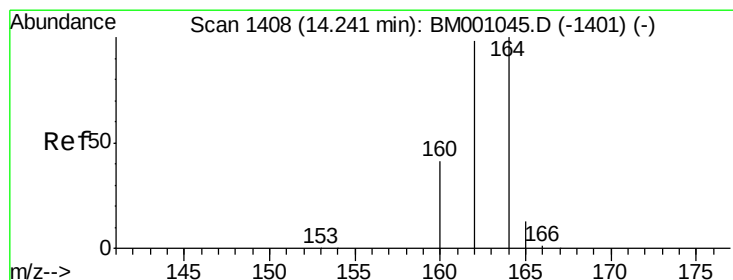
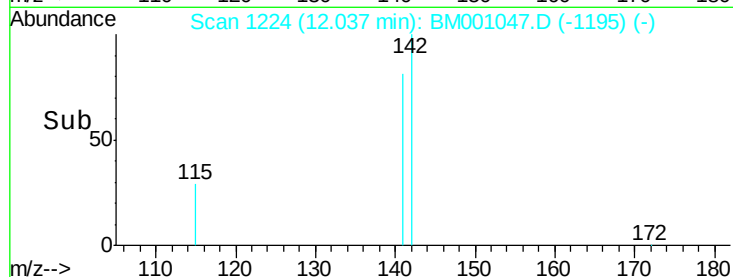
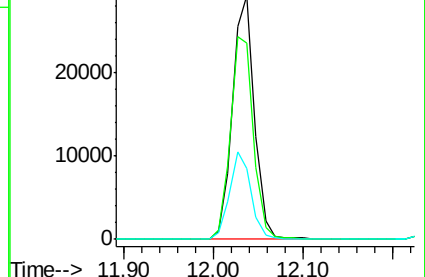
115 29.3 25.5 38.3



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: BM001047.D

Acq: 18 Apr 2015 01:43

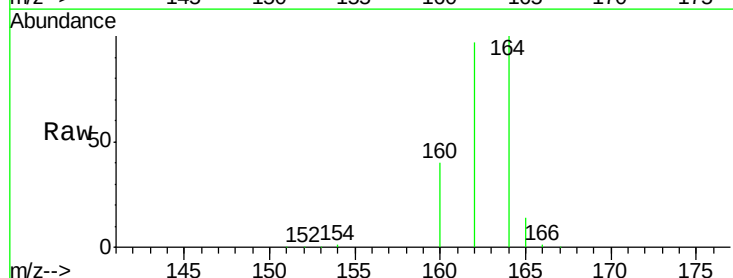
Tgt Ion:164 Resp: 32509

Ion Ratio Lower Upper

164 100

162 96.6 78.5 117.7

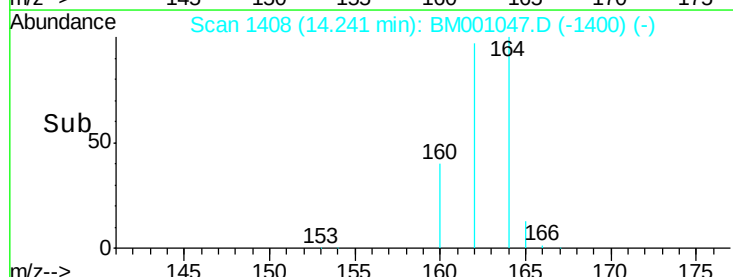
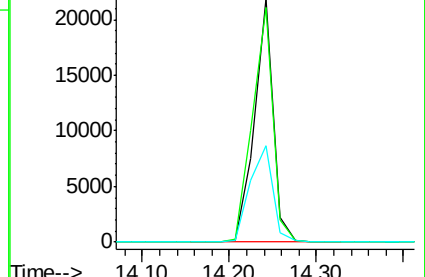
160 39.8 32.9 49.3

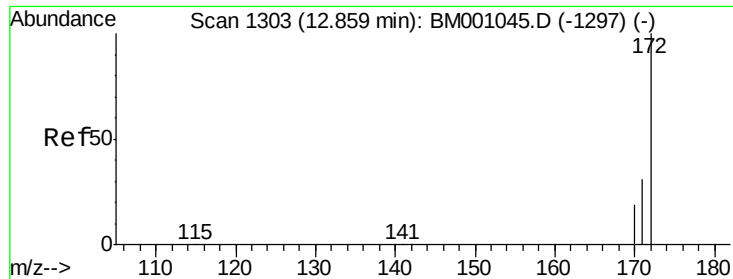


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

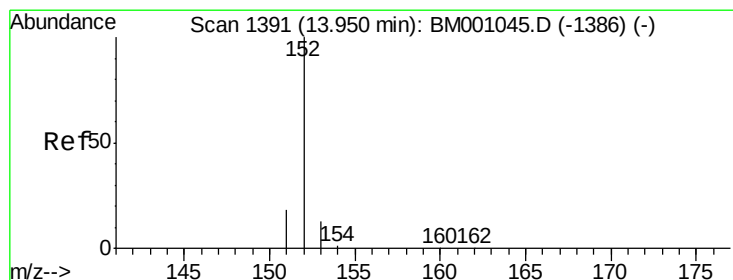
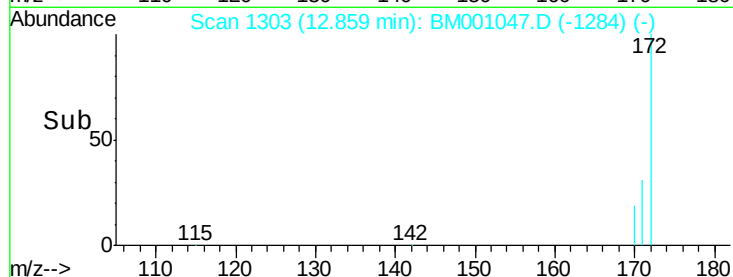
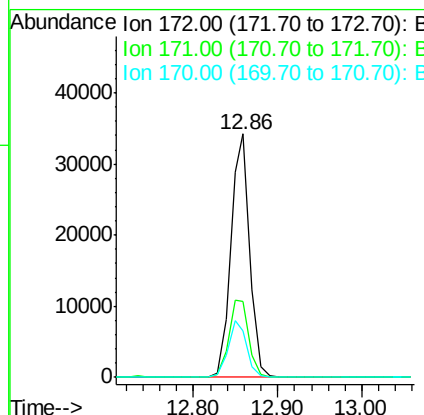
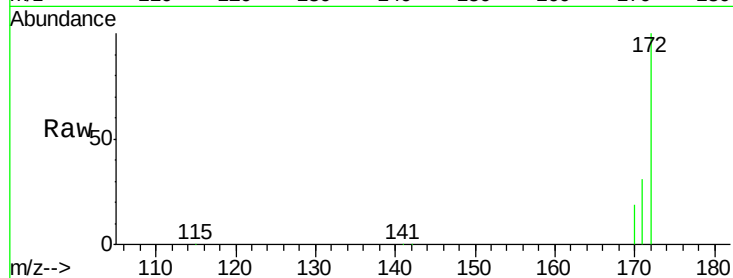
Ion 160.00 (159.70 to 160.70): E





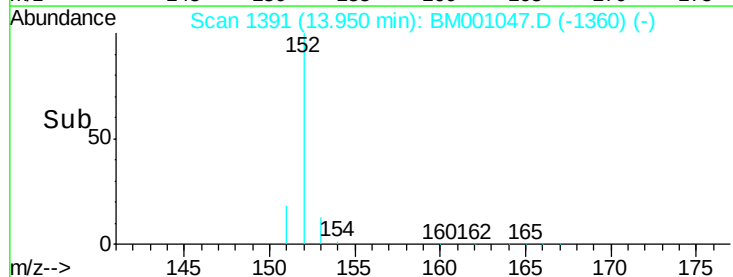
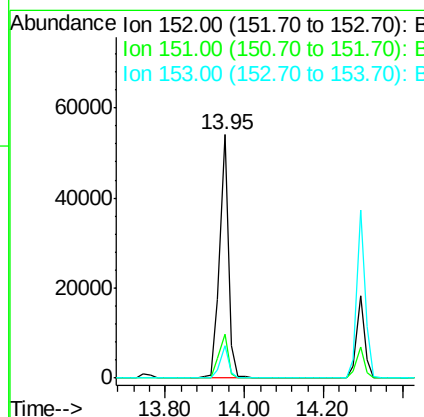
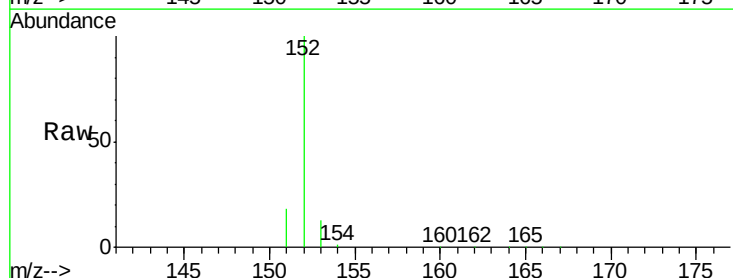
#9
2-Fluorobiphenyl
Concen: 5.31 ng
RT: 12.86 min Scan# 1303
Delta R.T. 0.00 min
Lab File: BM001047.D
Acq: 18 Apr 2015 01:43

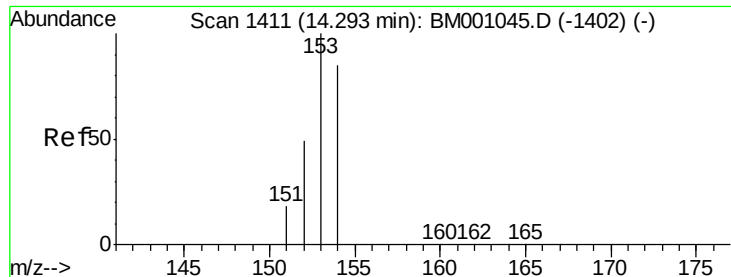
Tgt Ion:172 Resp: 53705
Ion Ratio Lower Upper
172 100
171 31.3 25.6 38.4
170 18.9 15.8 23.6



#10
Acenaphthylene
Concen: 5.77 ng
RT: 13.95 min Scan# 1391
Delta R.T. 0.00 min
Lab File: BM001047.D
Acq: 18 Apr 2015 01:43

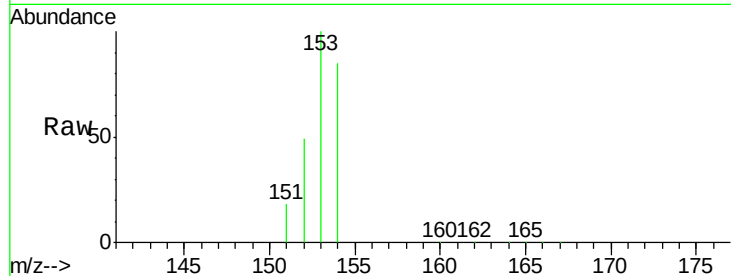
Tgt Ion:152 Resp: 83164
Ion Ratio Lower Upper
152 100
151 18.8 14.7 22.1
153 12.8 10.2 15.2



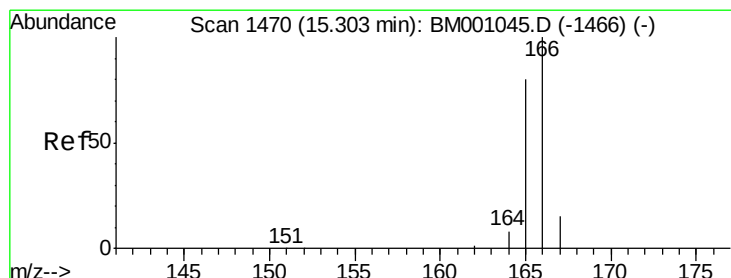
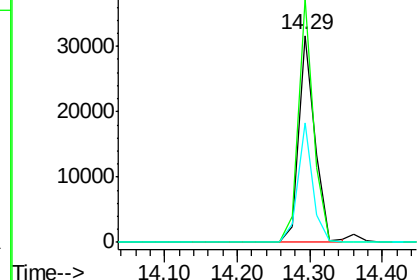
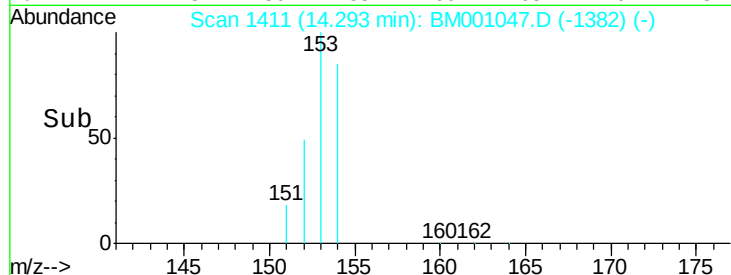


#11
Acenaphthene
Concen: 4.97 ng
RT: 14.29 min Scan# 1411
Delta R.T. 0.00 min
Lab File: BM001047.D
Acq: 18 Apr 2015 01:43

Tgt Ion: 154 Resp: 49474
Ion Ratio Lower Upper
154 100
153 110.1 88.1 132.1
152 52.8 42.3 63.5

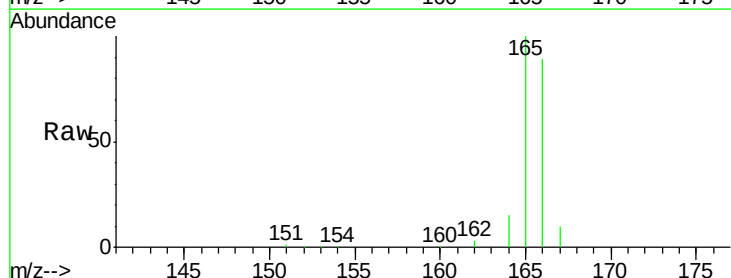


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

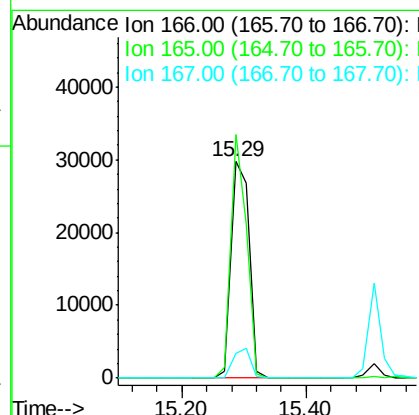
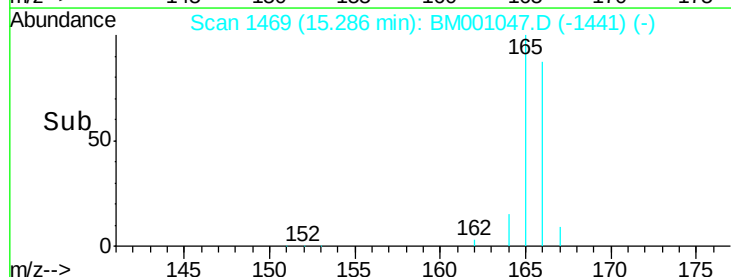


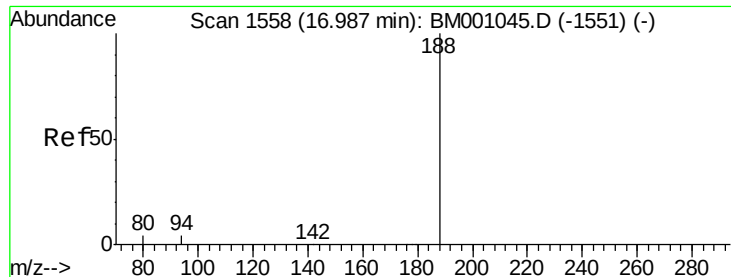
#12
Fluorene
Concen: 5.35 ng
RT: 15.29 min Scan# 1469
Delta R.T. -0.02 min
Lab File: BM001047.D
Acq: 18 Apr 2015 01:43

Tgt Ion: 166 Resp: 59990
Ion Ratio Lower Upper
166 100
165 97.5 77.6 116.4
167 13.3 10.6 16.0



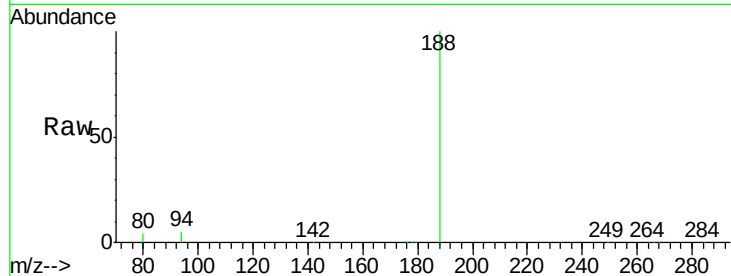
Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E



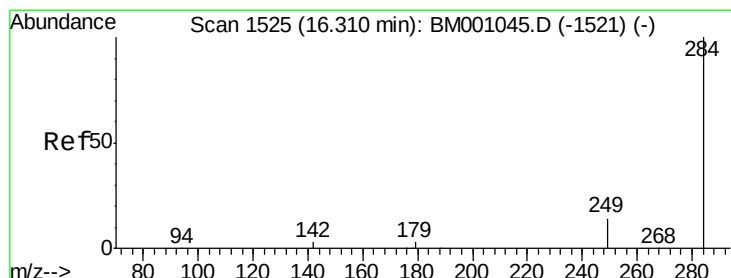
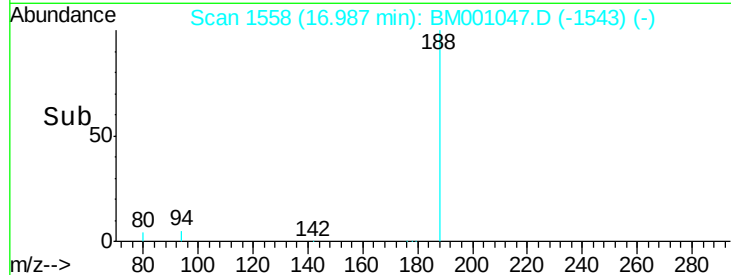
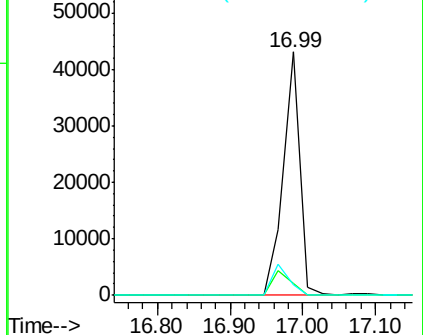


#13
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.99 min Scan# 1558
Delta R.T. 0.00 min
Lab File: BM001047.D
Acq: 18 Apr 2015 01:43

Tgt Ion:188 Resp: 69248
Ion Ratio Lower Upper
188 100
94 4.8 3.6 5.4
80 4.3 3.0 4.6

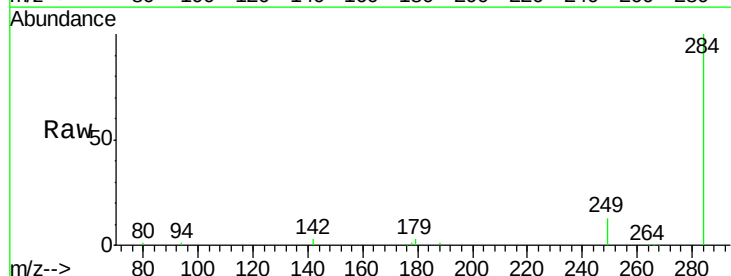


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BMO
Ion 80.00 (79.70 to 80.70): BMO

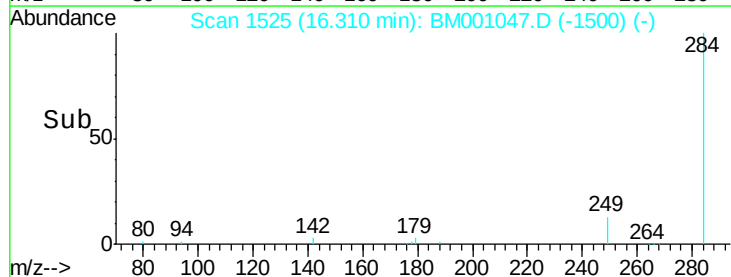
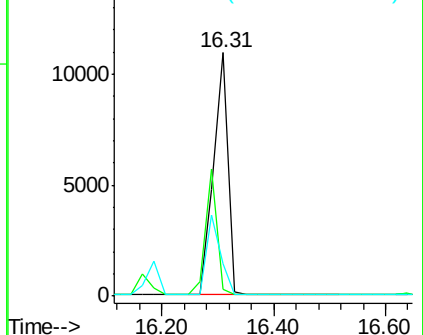


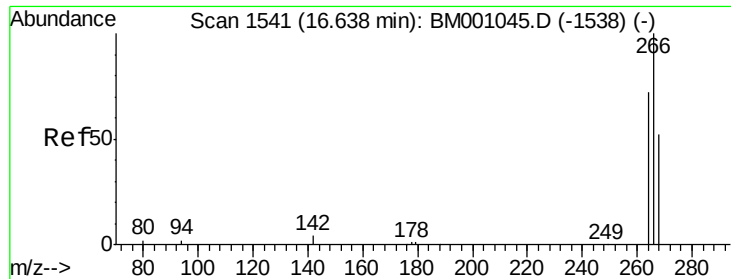
#14
Hexachlorobenzene
Concen: 4.89 ng
RT: 16.31 min Scan# 1525
Delta R.T. 0.00 min
Lab File: BM001047.D
Acq: 18 Apr 2015 01:43

Tgt Ion:284 Resp: 19567
Ion Ratio Lower Upper
284 100
142 0.0 0.0 0.0
249 0.0 0.0 0.0



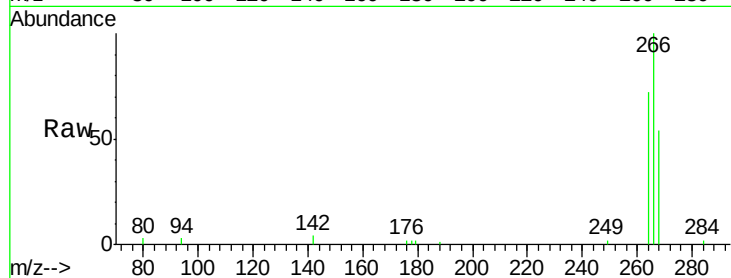
Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E



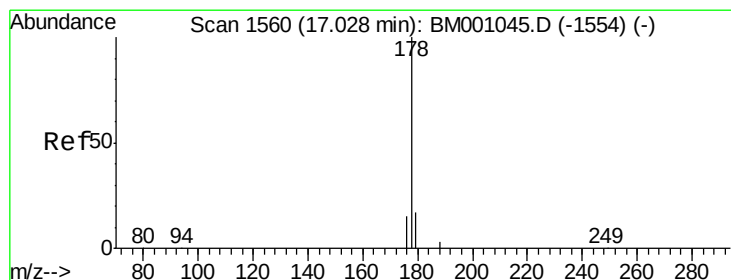
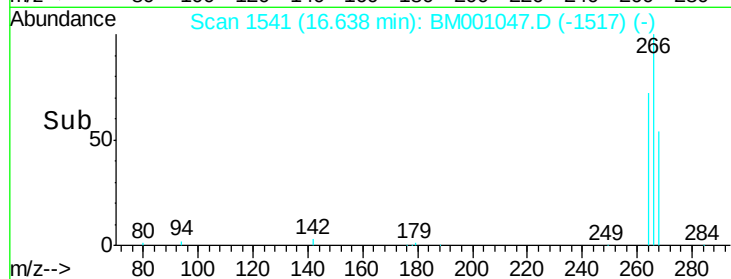
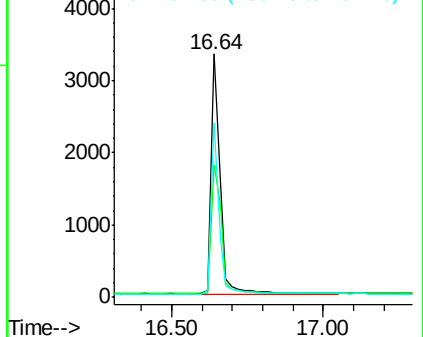


#15
 Pentachlorophenol
 Concen: 6.73 ng
 RT: 16.64 min Scan# 1541
 Delta R.T. 0.00 min
 Lab File: BM001047.D
 Acq: 18 Apr 2015 01:43

Tgt Ion: 266 Resp: 6806
 Ion Ratio Lower Upper
 266 100
 268 54.4 46.3 69.5
 264 71.8 59.8 89.6

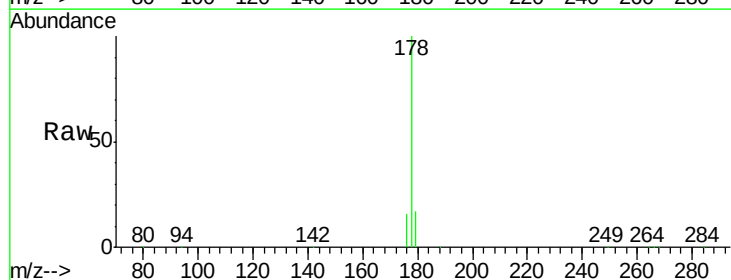


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

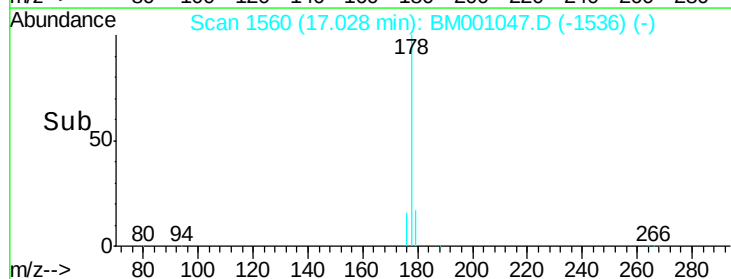
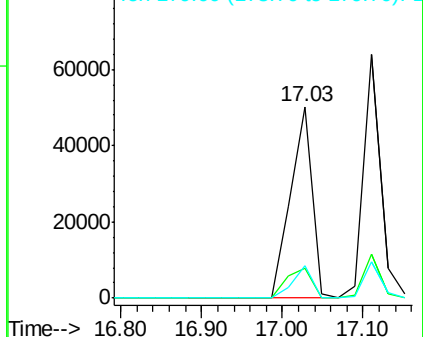


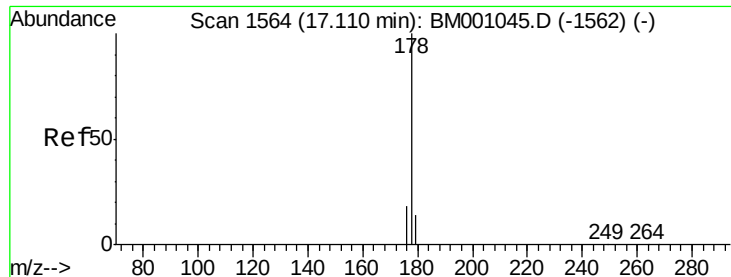
#16
 Phenanthrene
 Concen: 4.93 ng
 RT: 17.03 min Scan# 1560
 Delta R.T. 0.00 min
 Lab File: BM001047.D
 Acq: 18 Apr 2015 01:43

Tgt Ion: 178 Resp: 92683
 Ion Ratio Lower Upper
 178 100
 176 18.4 14.6 22.0
 179 15.6 12.6 19.0



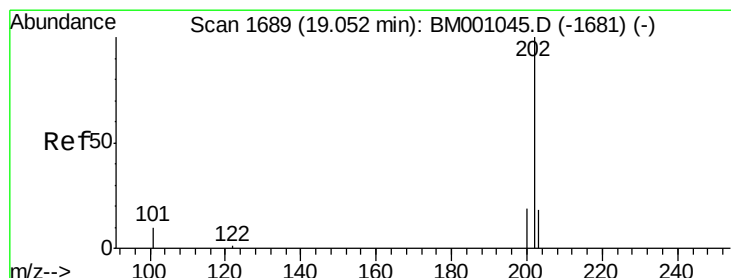
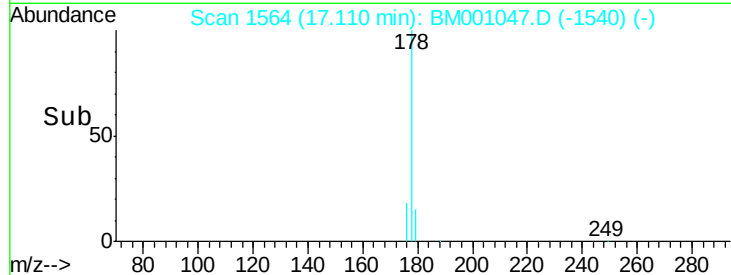
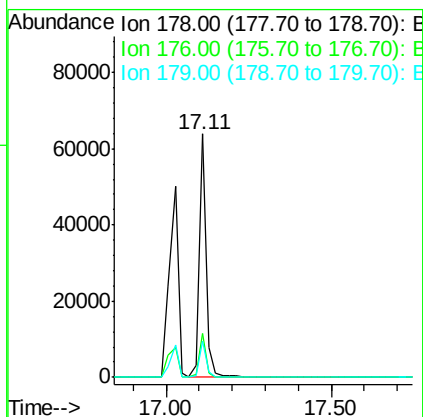
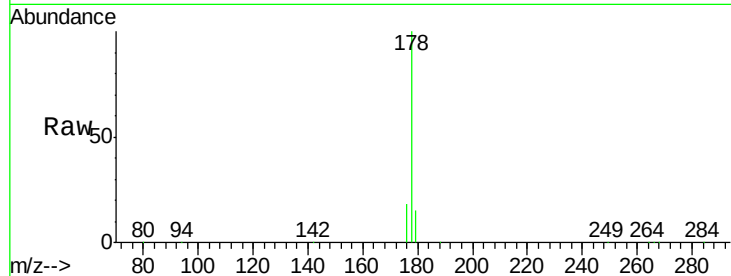
Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E





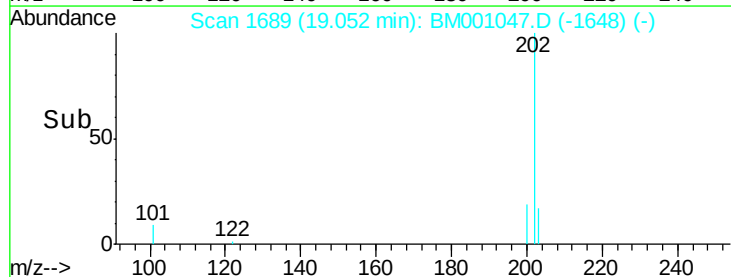
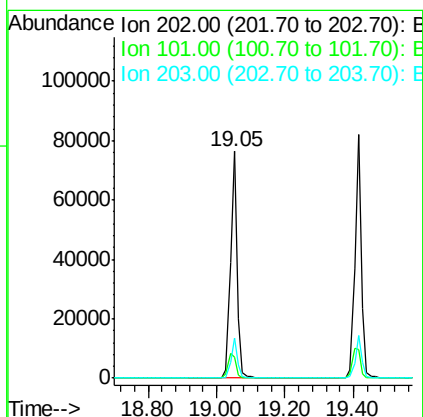
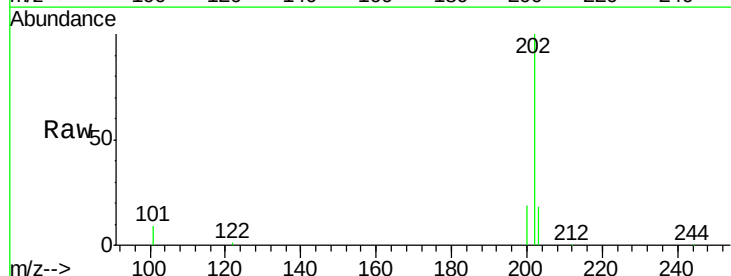
#17
 Anthracene
 Concen: 5.93 ng
 RT: 17.11 min Scan# 1564
 Delta R.T. 0.00 min
 Lab File: BM001047.D
 Acq: 18 Apr 2015 01:43

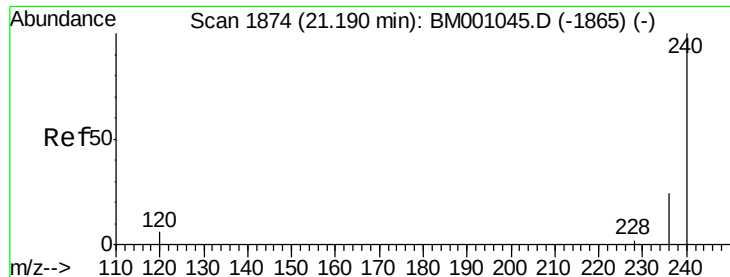
Tgt Ion:178 Resp: 95013
 Ion Ratio Lower Upper
 178 100
 176 17.9 14.3 21.5
 179 15.0 11.8 17.8



#18
 Fluoranthene
 Concen: 5.48 ng
 RT: 19.05 min Scan# 1689
 Delta R.T. 0.00 min
 Lab File: BM001047.D
 Acq: 18 Apr 2015 01:43

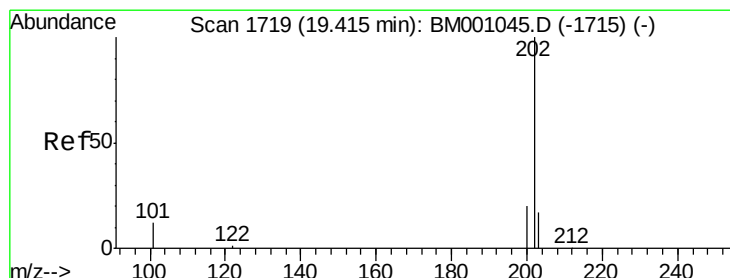
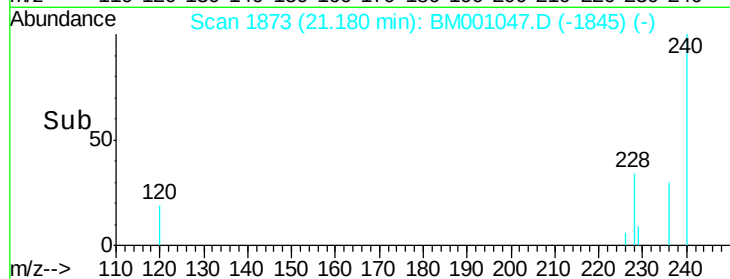
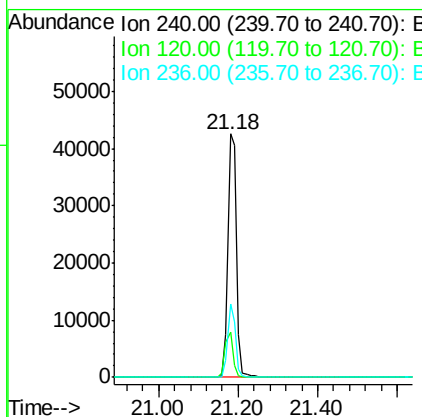
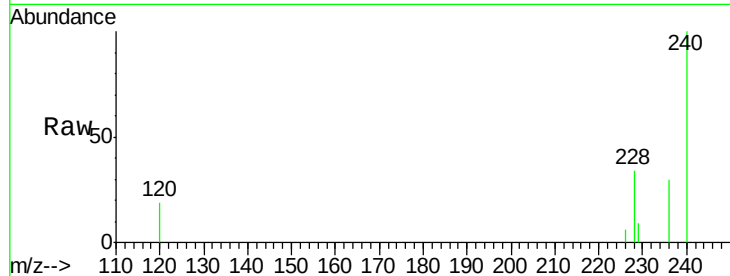
Tgt Ion:202 Resp: 103016
 Ion Ratio Lower Upper
 202 100
 101 12.6 10.1 15.1
 203 17.1 13.8 20.8





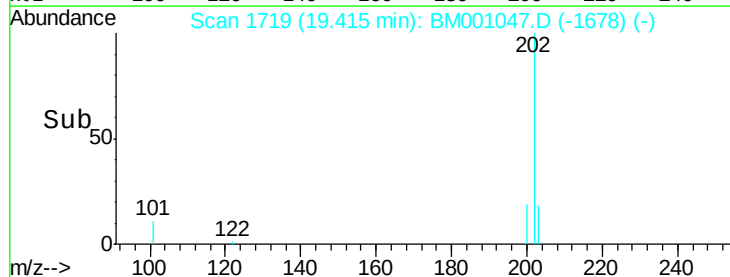
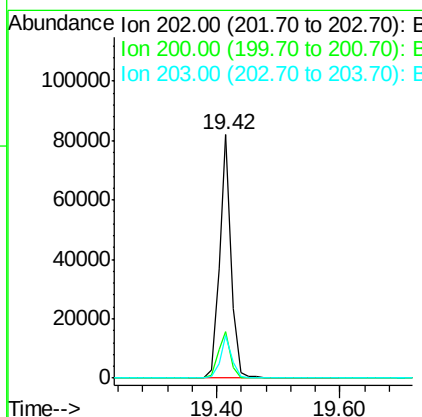
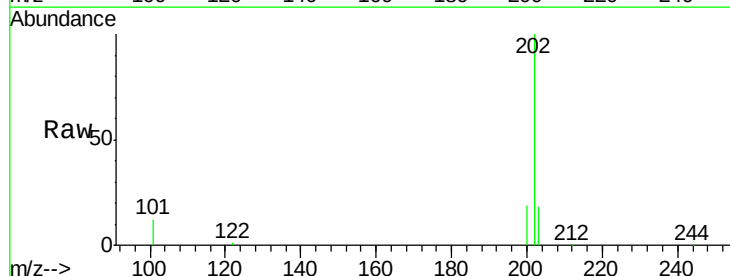
#19
Chrysene-d12
Concen: 5.00 ng
RT: 21.18 min Scan# 1873
Delta R.T. -0.01 min
Lab File: BM001047.D
Acq: 18 Apr 2015 01:43

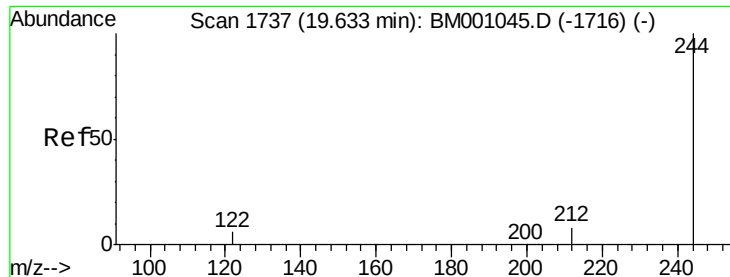
Tgt Ion: 240 Resp: 62947
Ion Ratio Lower Upper
240 100
120 18.7 4.6 6.8#
236 30.3 19.1 28.7#



#20
Pyrene
Concen: 5.23 ng
RT: 19.42 min Scan# 1719
Delta R.T. 0.00 min
Lab File: BM001047.D
Acq: 18 Apr 2015 01:43

Tgt Ion: 202 Resp: 107394
Ion Ratio Lower Upper
202 100
200 20.3 16.3 24.5
203 17.3 13.8 20.6

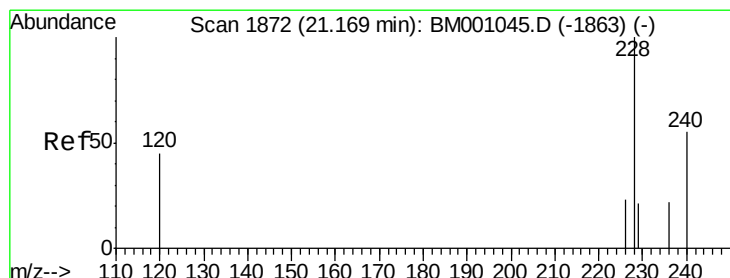
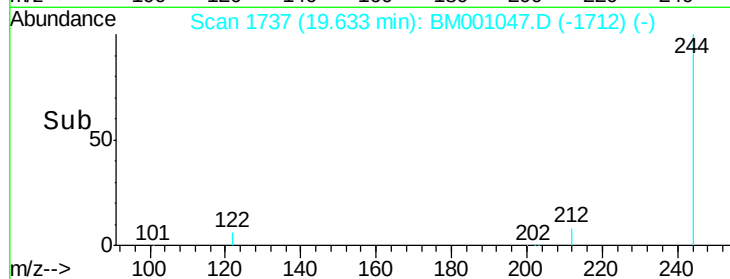
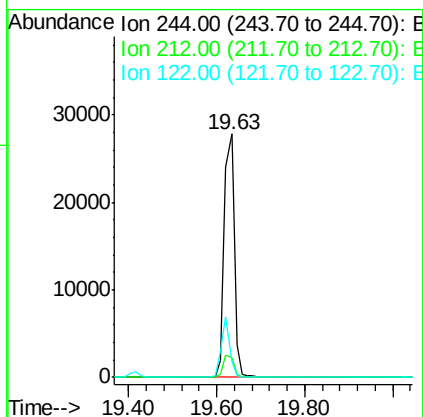
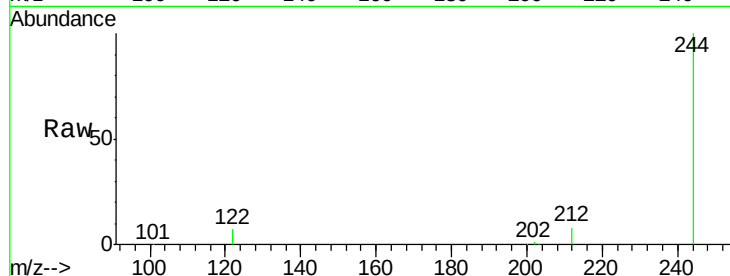




#21
 Terphenyl-d14
 Concen: 5.54 ng
 RT: 19.63 min Scan# 1737
 Delta R.T. 0.00 min
 Lab File: BM001047.D
 Acq: 18 Apr 2015 01:43

Tgt Ion: 244 Resp: 42382

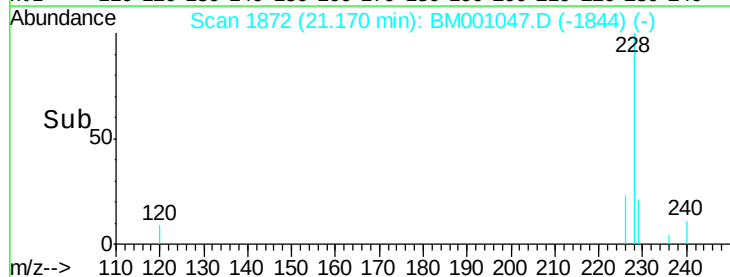
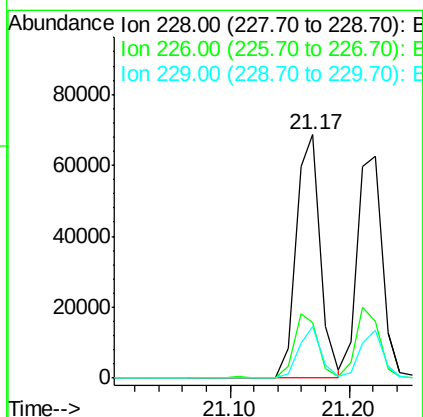
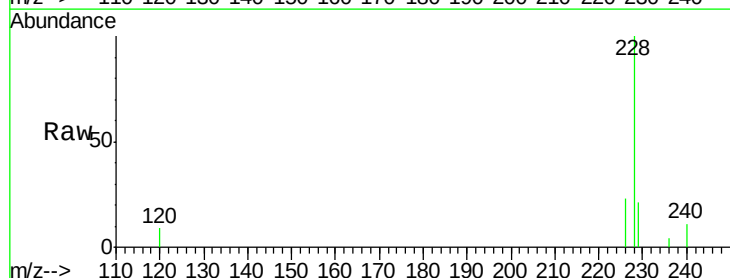
Ion	Ratio	Lower	Upper
244	100		
212	8.1	7.1	10.7
122	6.6	5.9	8.9

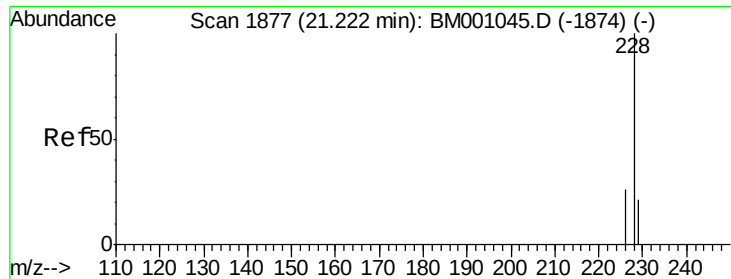


#22
 Benzo(a)anthracene
 Concen: 5.34 ng
 RT: 21.17 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: BM001047.D
 Acq: 18 Apr 2015 01:43

Tgt Ion: 228 Resp: 96142

Ion	Ratio	Lower	Upper
228	100		
226	22.9	19.0	28.6
229	21.0	16.8	25.2

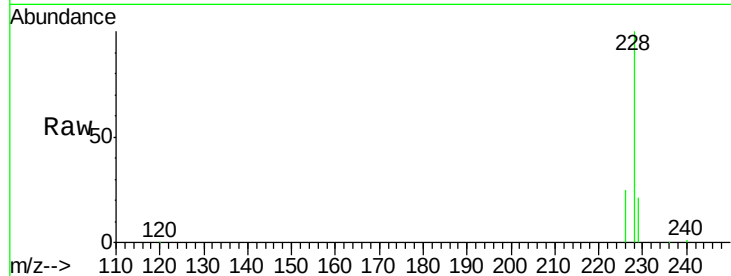




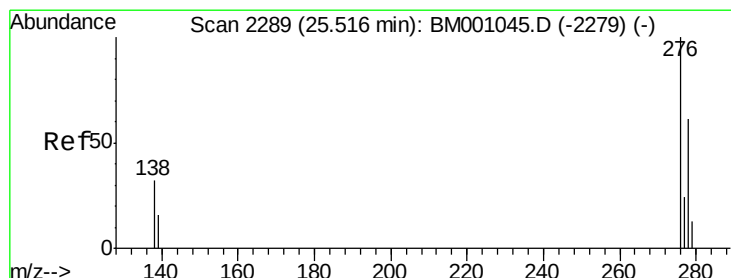
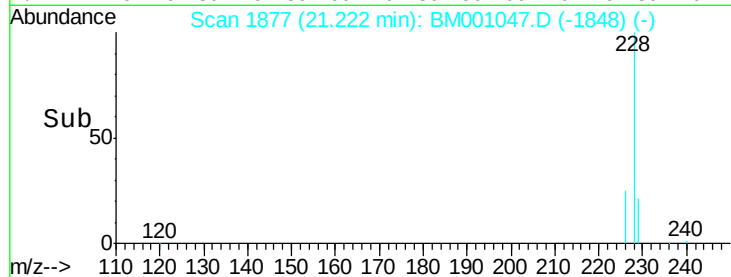
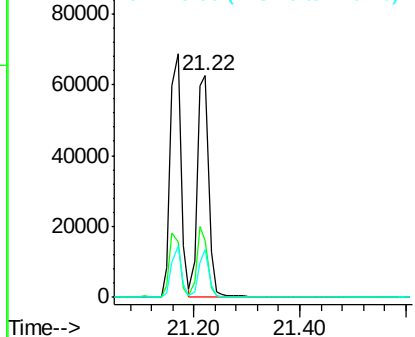
#23
Chrysene
Concen: 4.98 ng
RT: 21.22 min Scan# 1877
Delta R.T. 0.00 min
Lab File: BM001047.D
Acq: 18 Apr 2015 01:43

Tgt Ion: 228 Resp: 93524

Ion	Ratio	Lower	Upper
228	100		
226	25.4	20.6	31.0
229	21.3	17.2	25.8



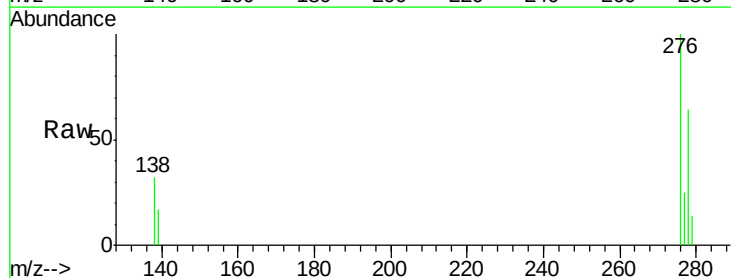
Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



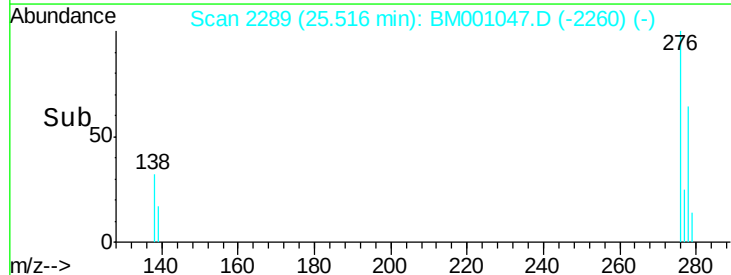
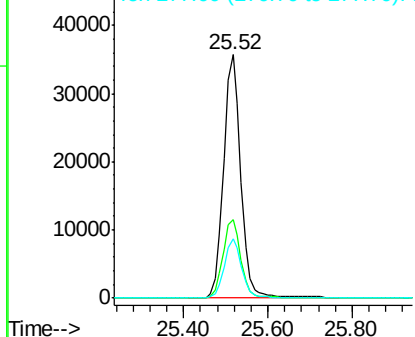
#24
Indeno(1,2,3-cd)pyrene
Concen: 5.20 ng
RT: 25.52 min Scan# 2289
Delta R.T. 0.00 min
Lab File: BM001047.D
Acq: 18 Apr 2015 01:43

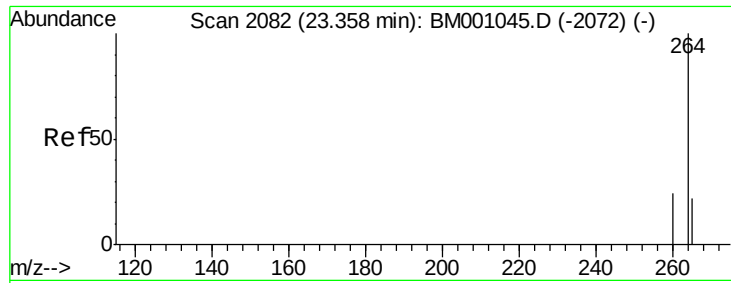
Tgt Ion: 276 Resp: 101448

Ion	Ratio	Lower	Upper
276	100		
138	33.3	26.3	39.5
277	24.6	19.5	29.3



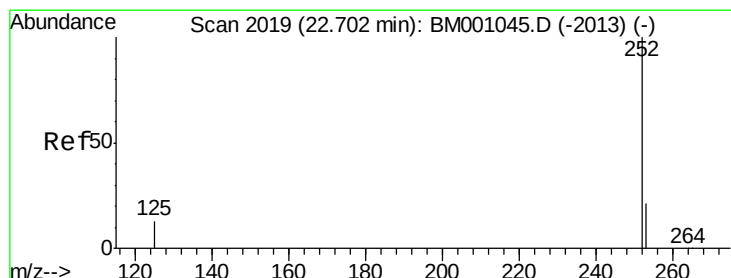
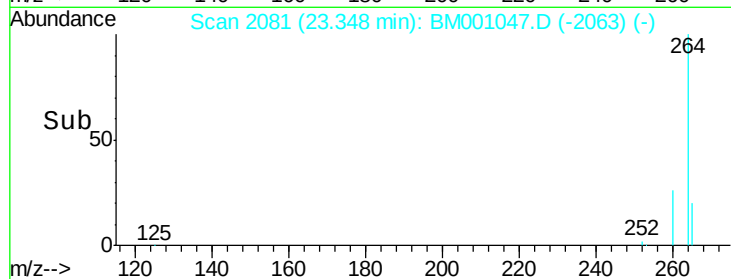
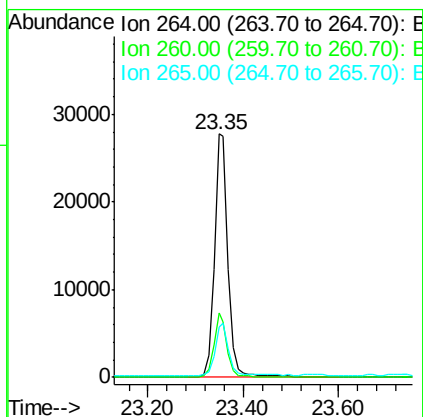
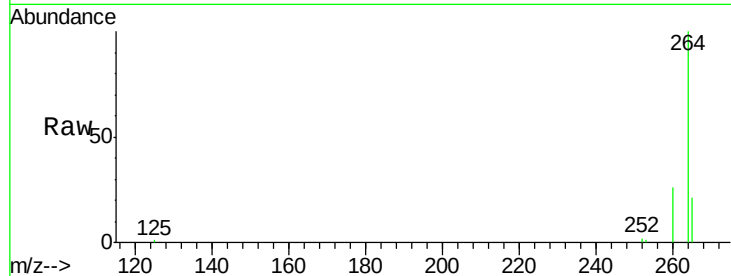
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





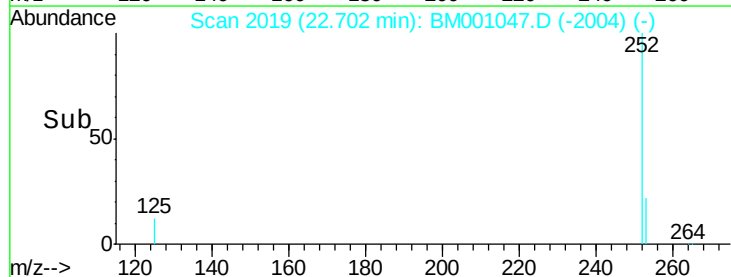
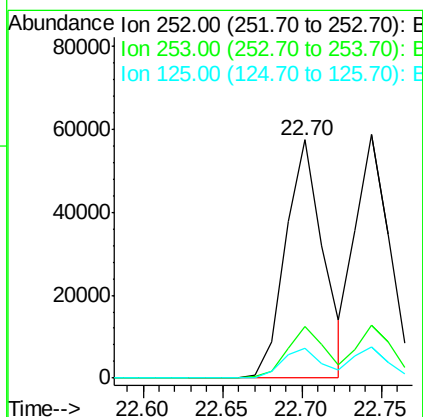
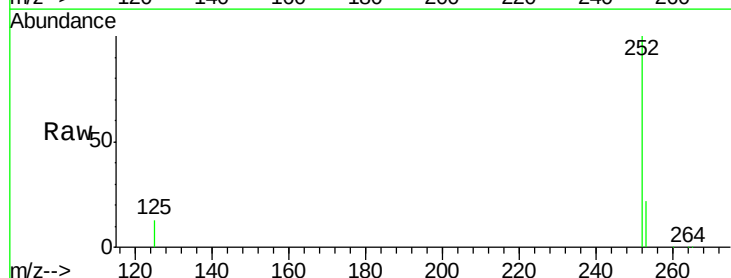
#25
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.35 min Scan# 2081
 Delta R.T. -0.01 min
 Lab File: BM001047.D
 Acq: 18 Apr 2015 01:43

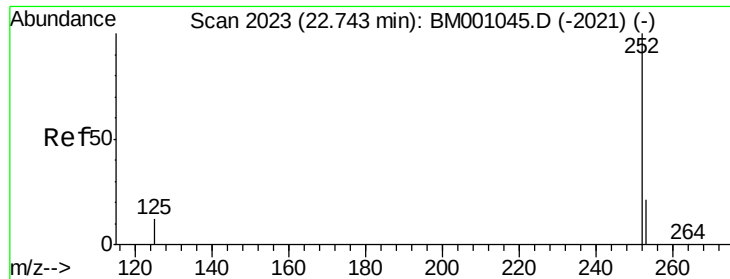
Tgt Ion: 264 Resp: 55677
 Ion Ratio Lower Upper
 264 100
 260 26.5 19.0 28.6
 265 20.5 17.9 26.9



#26
 Benzo(b)fluoranthene
 Concen: 5.36 ng
 RT: 22.70 min Scan# 2019
 Delta R.T. 0.00 min
 Lab File: BM001047.D
 Acq: 18 Apr 2015 01:43

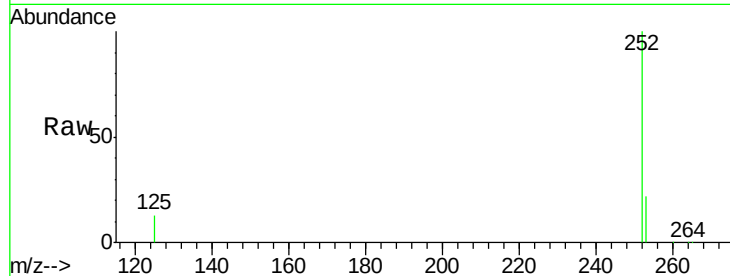
Tgt Ion: 252 Resp: 94087
 Ion Ratio Lower Upper
 252 100
 253 21.9 18.2 27.2
 125 12.6 10.9 16.3



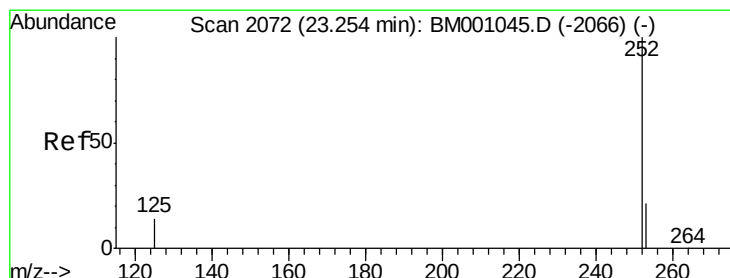
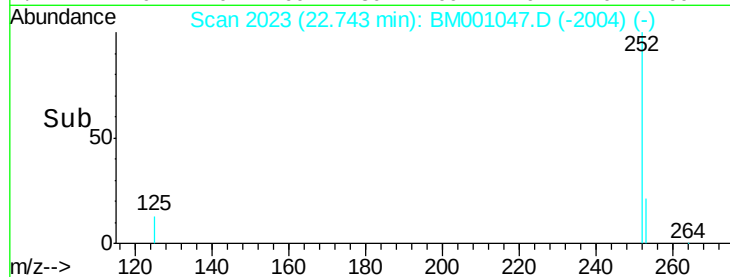
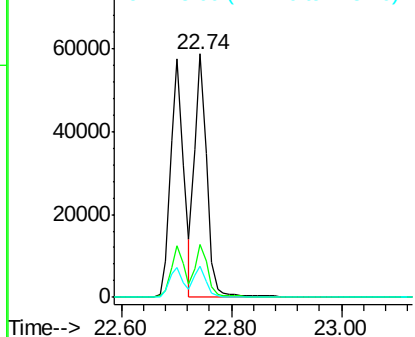


#27
Benzo(k)fluoranthene
Concen: 5.31 ng
RT: 22.74 min Scan# 2023
Delta R.T. 0.00 min
Lab File: BM001047.D
Acq: 18 Apr 2015 01:43

Tgt Ion:252 Resp: 89210
Ion Ratio Lower Upper
252 100
253 21.6 18.3 27.5
125 12.8 10.6 15.8

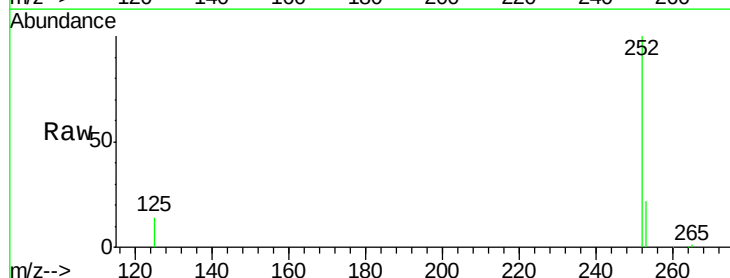


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

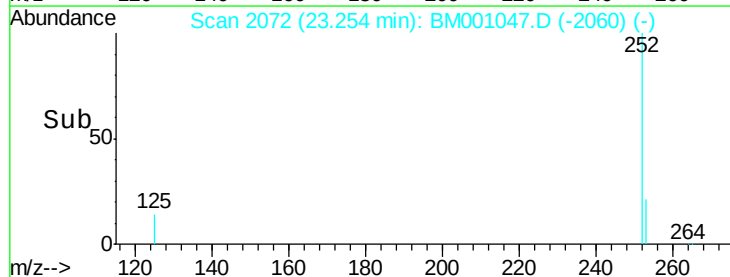
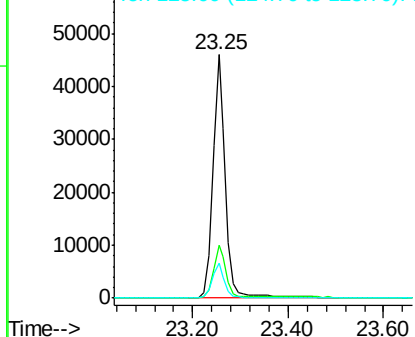


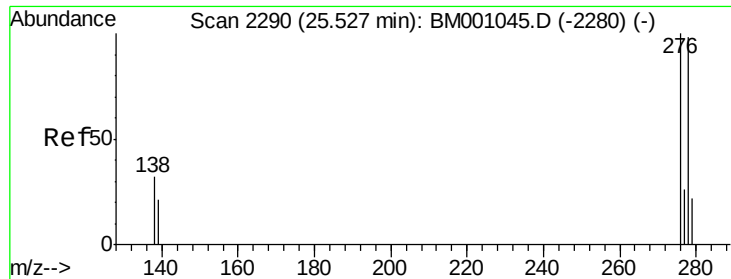
#28
Benzo(a)pyrene
Concen: 5.55 ng
RT: 23.25 min Scan# 2072
Delta R.T. 0.00 min
Lab File: BM001047.D
Acq: 18 Apr 2015 01:43

Tgt Ion:252 Resp: 83793
Ion Ratio Lower Upper
252 100
253 21.6 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

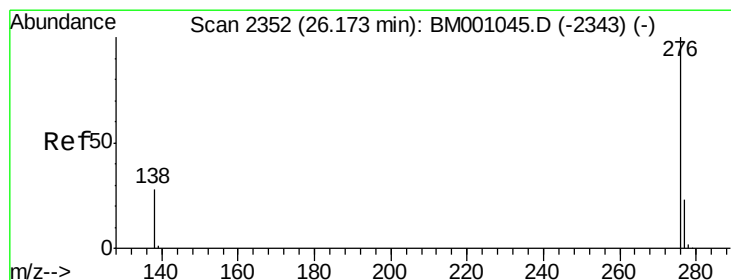
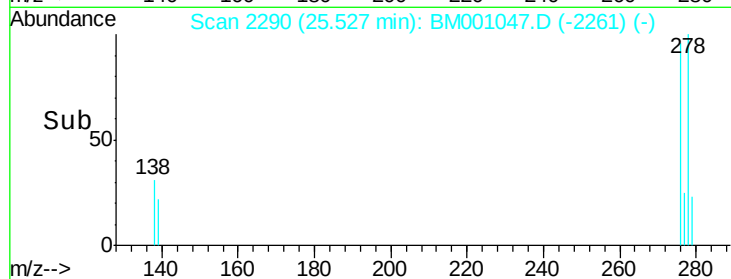
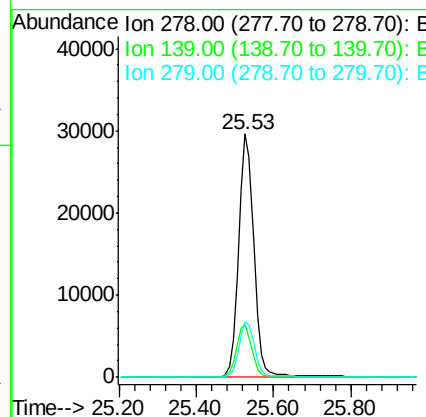
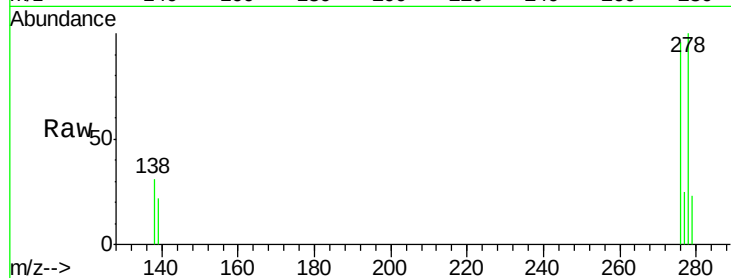




#29
Dibenzo(a,h)anthracene
Concen: 5.40 ng
RT: 25.53 min Scan# 2290
Delta R.T. 0.00 min
Lab File: BM001047.D
Acq: 18 Apr 2015 01:43

Tgt Ion: 278 Resp: 80331

Ion	Ratio	Lower	Upper
278	100		
139	21.8	18.2	27.2
279	23.0	19.1	28.7



#30
Benzo(g,h,i)perylene
Concen: 5.22 ng
RT: 26.17 min Scan# 2352
Delta R.T. 0.00 min
Lab File: BM001047.D
Acq: 18 Apr 2015 01:43

Tgt Ion: 276 Resp: 83591

Ion	Ratio	Lower	Upper
276	100		
277	23.1	19.0	28.4
138	29.2	23.4	35.2

