

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM041815\
 Data File : BM001042.D
 Acq On : 17 Apr 2015 22:44
 Operator : TP/IZ
 Sample : SSTDICC0.2
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Quant Time: Apr 18 05:59:02 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	16676	5.00	ng	0.00
4) Naphthalene-d8	10.36	136	59174	5.00	ng	0.00
8) Acenaphthene-d10	14.24	164	30693	5.00	ng	0.00
13) Phenanthrene-d10	16.99	188	66039	5.00	ng	0.00
19) Chrysene-d12	21.19	240	55390	5.00	ng	0.00
25) Perylene-d12	23.36	264	50636	5.00	ng	0.00

System Monitoring Compounds

5) Nitrobenzene-d5	8.74	82	552	0.19	ng	0.00
9) 2-Fluorobiphenyl	12.86	172	1995	0.21	ng	0.00
21) Terphenyl-d14	19.63	244	1401	0.21	ng	0.00

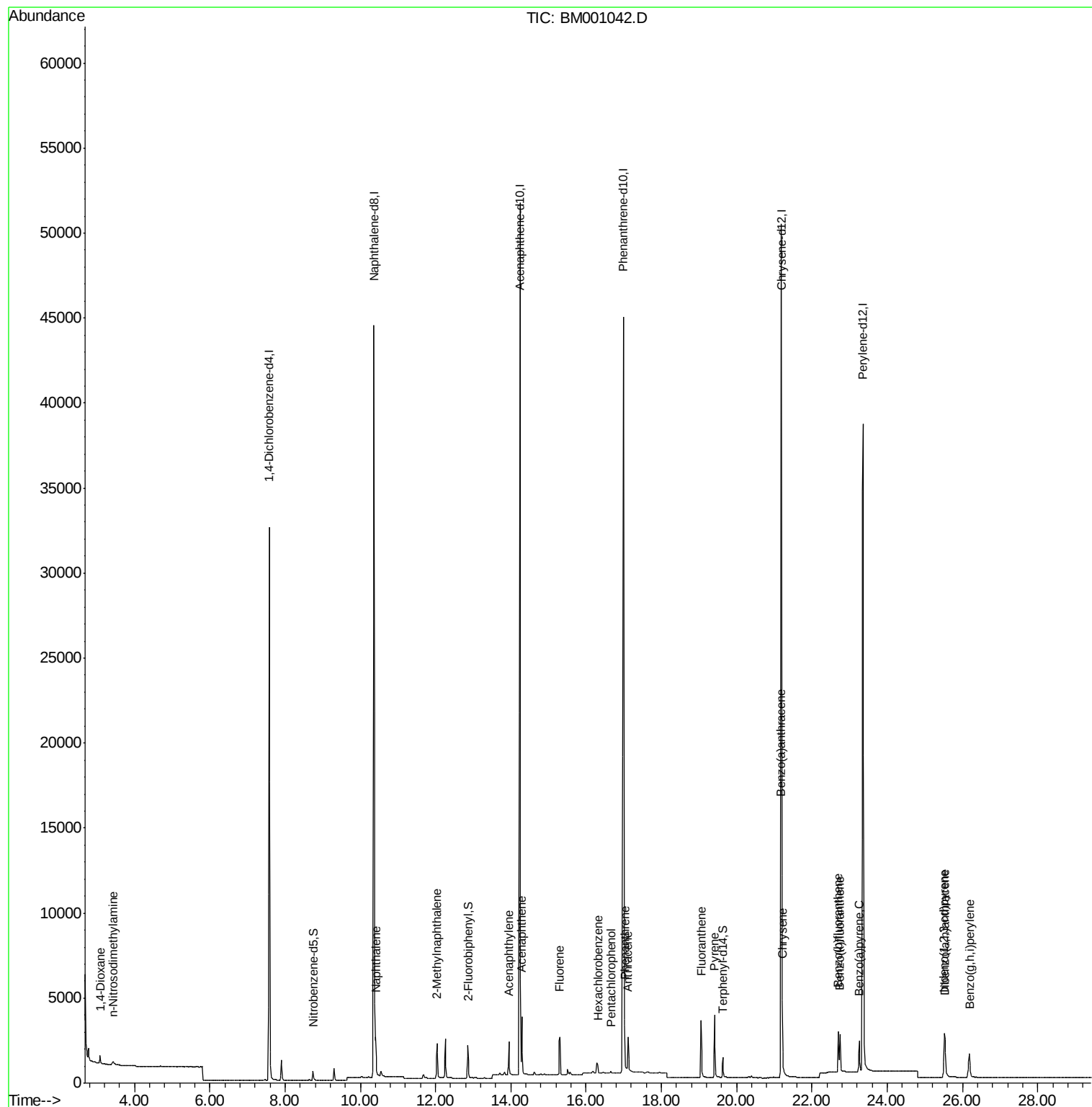
Target Compounds

						Qvalue
2) 1,4-Dioxane	3.08	88	891	0.63	ng	# 100
3) n-Nitrosodimethylamine	3.43	42	282	0.18	ng	# 98
6) Naphthalene	10.41	128	2778	0.20	ng	95
7) 2-Methylnaphthalene	12.04	142	1745	0.20	ng	# 90
10) Acenaphthylene	13.95	152	2425	0.18	ng	99
11) Acenaphthene	14.29	154	1902	0.20	ng	95
12) Fluorene	15.30	166	2100	0.20	ng	98
14) Hexachlorobenzene	16.31	284	710	0.19	ng	# 100
15) Pentachlorophenol	16.66	266	128	0.13	ng	# 82
16) Phenanthrene	17.03	178	3394	0.19	ng	99
17) Anthracene	17.11	178	2962	0.19	ng	98
18) Fluoranthene	19.05	202	3408	0.19	ng	100
20) Pyrene	19.42	202	3534	0.20	ng	99
22) Benzo(a)anthracene	21.17	228	3063	0.19	ng	97
23) Chrysene	21.22	228	3398	0.21	ng	96
24) Indeno(1,2,3-cd)pyrene	25.52	276	3343	0.19	ng	99
26) Benzo(b)fluoranthene	22.70	252	2957	0.19	ng	# 90
27) Benzo(k)fluoranthene	22.74	252	3047	0.20	ng	# 90
28) Benzo(a)pyrene	23.25	252	2578	0.19	ng	# 86
29) Dibenzo(a,h)anthracene	25.54	278	2574	0.19	ng	# 91
30) Benzo(g,h,i)perylene	26.18	276	2895	0.20	ng	94

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

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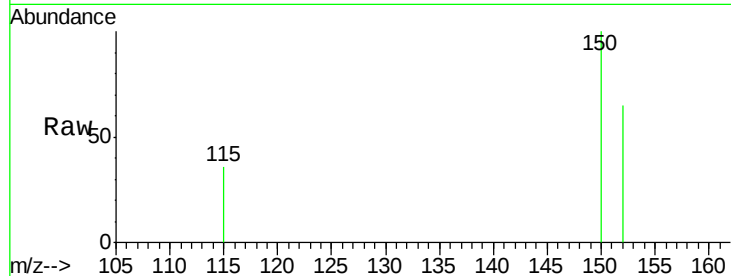




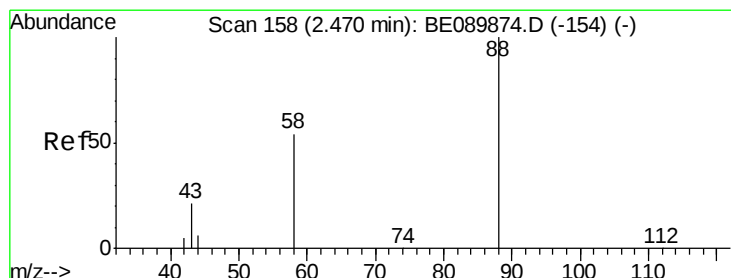
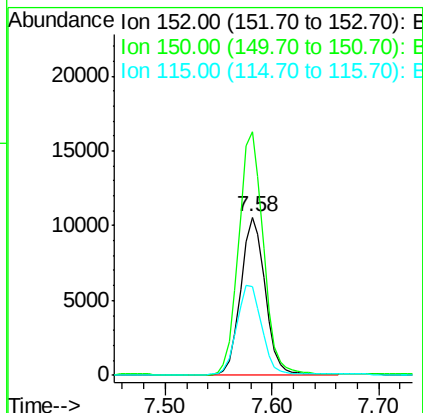
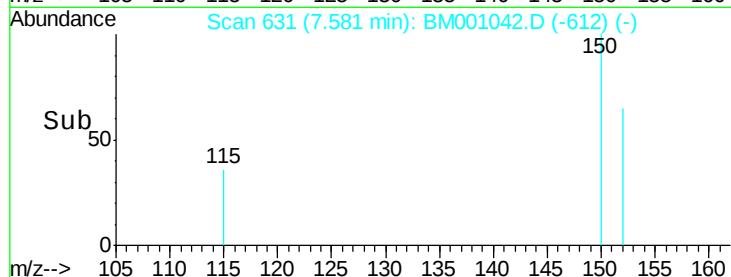
#1

1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.58 min Scan# 631
Delta R.T. 0.00 min
Lab File: BM001042.D
Acq: 17 Apr 2015 22:44

Tgt Ion: 152 Resp: 16676
Ion Ratio Lower Upper
152 100
150 154.1 123.3 184.9
115 55.8 45.0 67.6



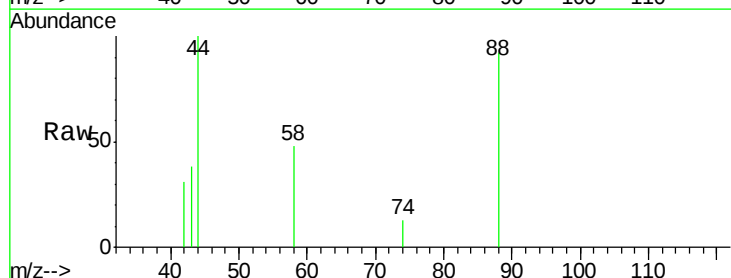
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



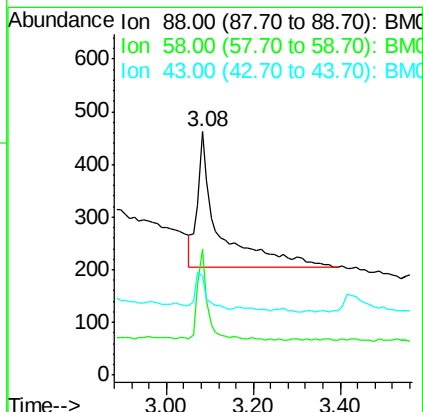
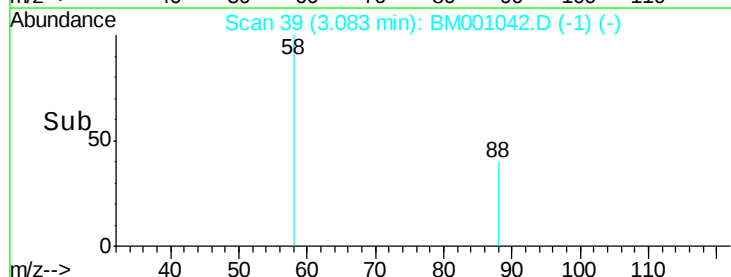
#2

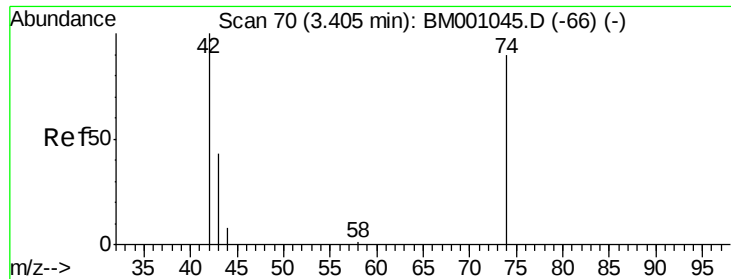
1,4-Dioxane
Concen: 0.63 ng
RT: 3.08 min Scan# 39
Delta R.T. 0.00 min
Lab File: BM001042.D
Acq: 17 Apr 2015 22:44

Tgt Ion: 88 Resp: 891
Ion Ratio Lower Upper
88 100
58 31.3 0.0 0.0#
43 13.8 0.0 0.0#



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





#3

n-Nitrosodimethylamine

Concen: 0.18 ng

RT: 3.43 min Scan# 72

Delta R.T. 0.02 min

Lab File: BM001042.D

Acq: 17 Apr 2015 22:44

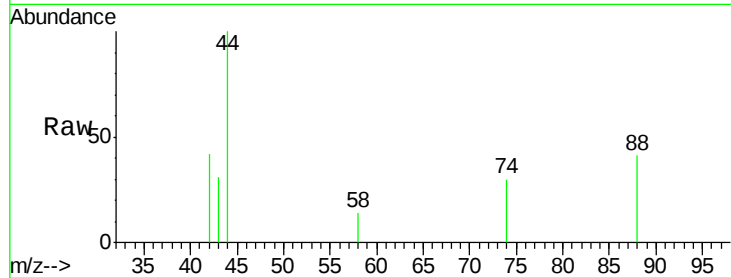
Tgt Ion: 42 Resp: 282

Ion Ratio Lower Upper

42 100

74 116.7 92.1 138.1

44 9.6 5.8 8.6#

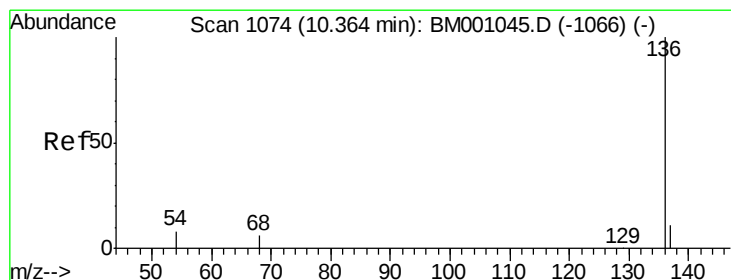
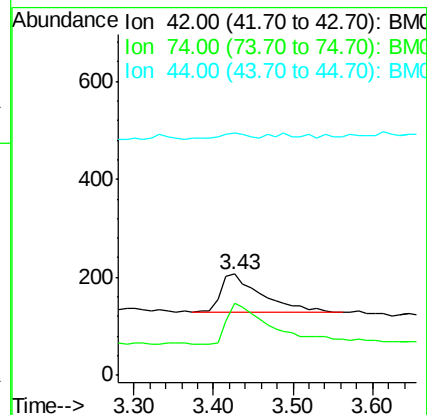
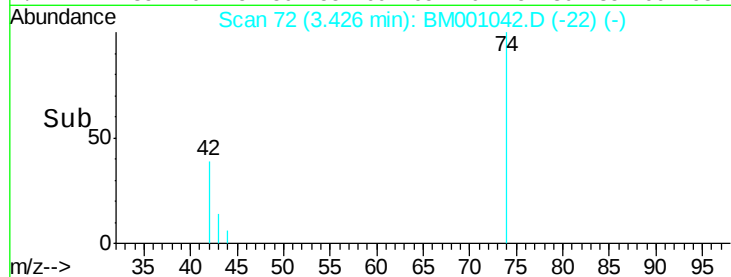


Abundance Ion 42.00 (41.70 to 42.70): BM001042.D (-22) (-)

Ion 74.00 (73.70 to 74.70): BM001042.D (-22) (-)

Ion 44.00 (43.70 to 44.70): BM001042.D (-22) (-)

Time-->



#4

Naphthalene-d8

Concen: 5.00 ng

RT: 10.36 min Scan# 1074

Delta R.T. 0.00 min

Lab File: BM001042.D

Acq: 17 Apr 2015 22:44

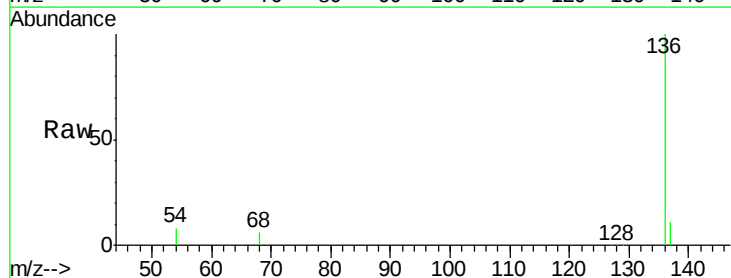
Tgt Ion: 136 Resp: 59174

Ion Ratio Lower Upper

136 100

137 10.8 8.6 13.0

54 8.0 6.5 9.7

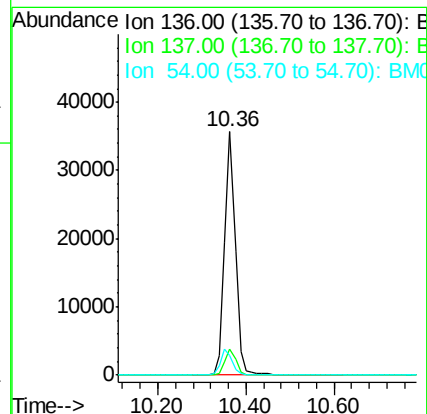
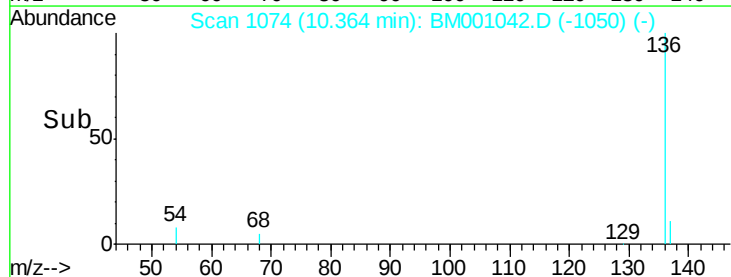


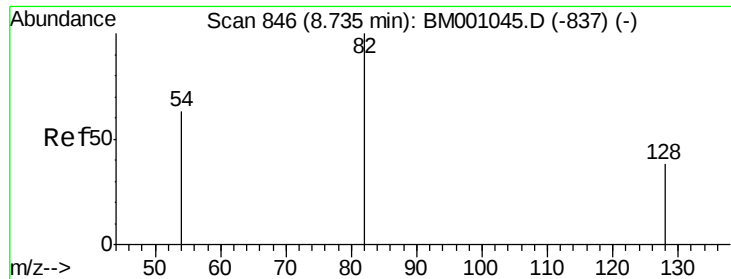
Abundance Ion 136.00 (135.70 to 136.70): BM001042.D (-1050) (-)

Ion 137.00 (136.70 to 137.70): BM001042.D (-1050) (-)

Ion 54.00 (53.70 to 54.70): BM001042.D (-1050) (-)

Time-->





#5

Nitrobenzene-d5

Concen: 0.19 ng

RT: 8.74 min Scan# 847

Delta R.T. 0.01 min

Lab File: BM001042.D

Acq: 17 Apr 2015 22:44

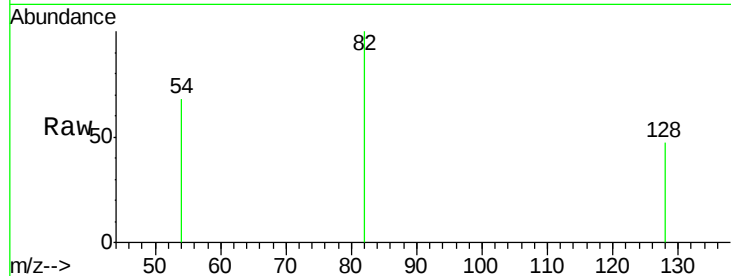
Tgt Ion: 82 Resp: 552

Ion Ratio Lower Upper

82 100

128 46.9 31.9 47.9

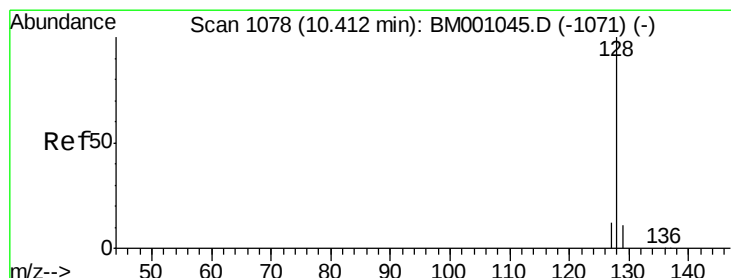
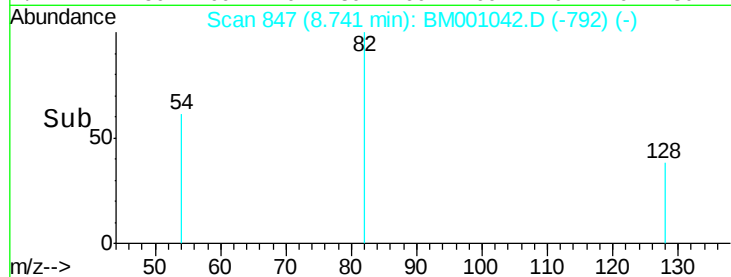
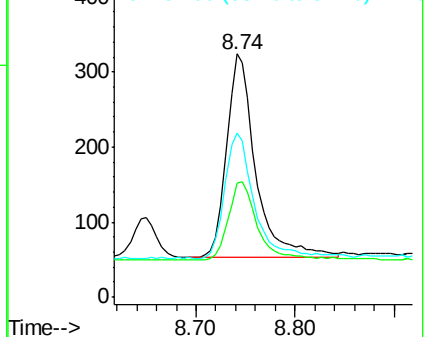
54 67.6 51.3 76.9



Abundance Ion 82.00 (81.70 to 82.70): BM001042.D (-837) (-)

Ion 128.00 (127.70 to 128.70): BM001042.D (-837) (-)

Ion 54.00 (53.70 to 54.70): BM001042.D (-837) (-)



#6

Naphthalene

Concen: 0.20 ng

RT: 10.41 min Scan# 1078

Delta R.T. 0.00 min

Lab File: BM001042.D

Acq: 17 Apr 2015 22:44

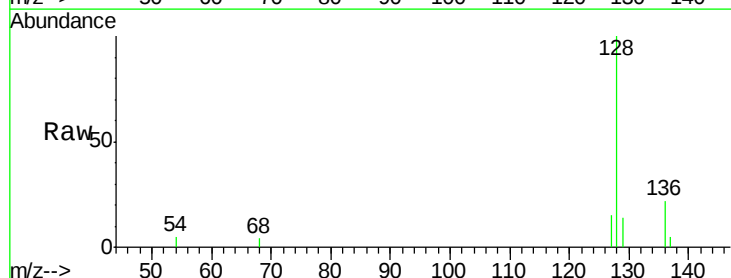
Tgt Ion: 128 Resp: 2778

Ion Ratio Lower Upper

128 100

129 13.7 9.3 13.9

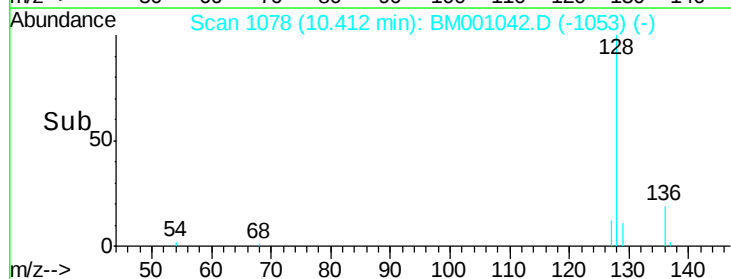
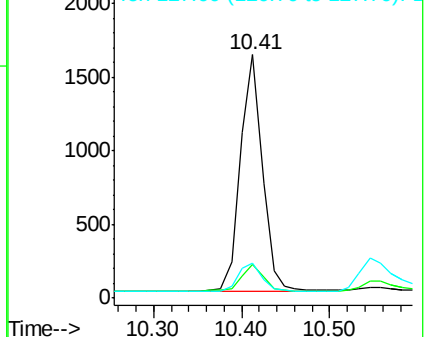
127 14.5 10.0 15.0



Abundance Ion 128.00 (127.70 to 128.70): BM001042.D (-1071) (-)

Ion 129.00 (128.70 to 129.70): BM001042.D (-1071) (-)

Ion 127.00 (126.70 to 127.70): BM001042.D (-1071) (-)





#7

2-Methylnaphthalene

Concen: 0.20 ng

RT: 12.04 min Scan# 1224

Delta R.T. 0.00 min

Lab File: BM001042.D

Acq: 17 Apr 2015 22:44

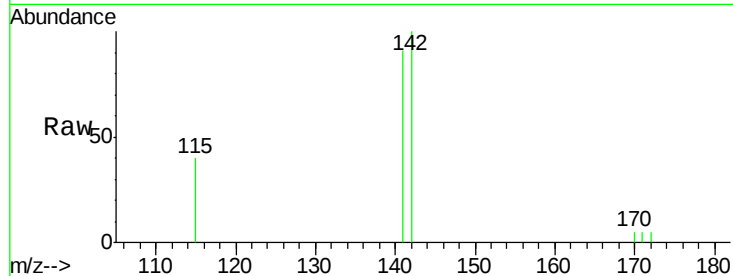
Tgt Ion:142 Resp: 1745

Ion Ratio Lower Upper

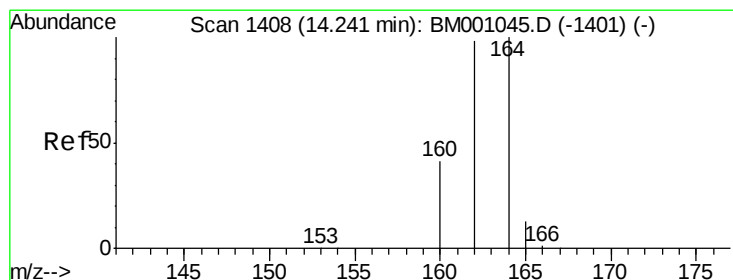
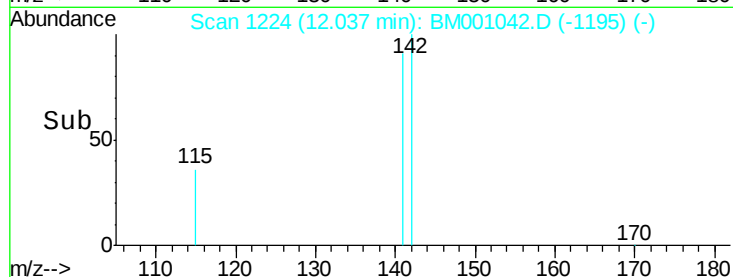
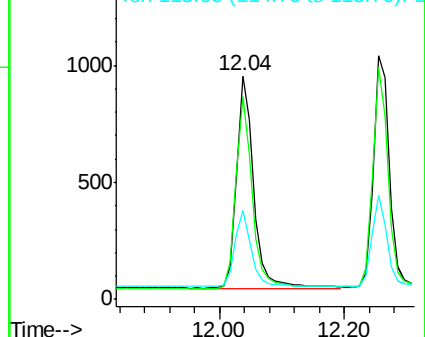
142 100

141 90.6 66.7 100.1

115 39.7 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: BM001042.D

Acq: 17 Apr 2015 22:44

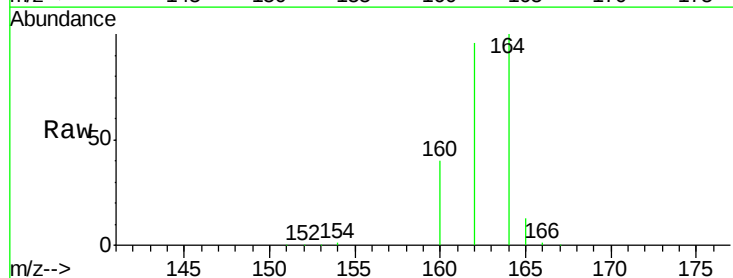
Tgt Ion:164 Resp: 30693

Ion Ratio Lower Upper

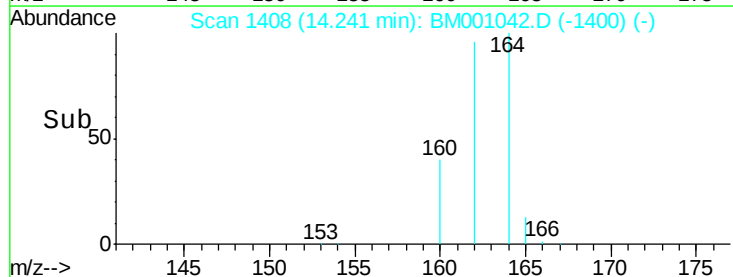
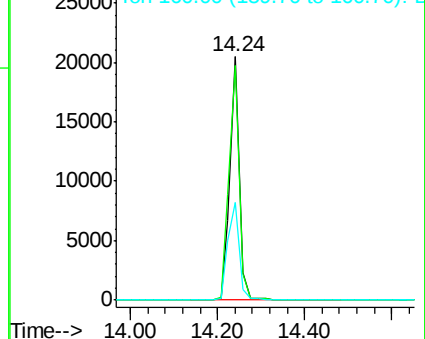
164 100

162 96.4 78.5 117.7

160 40.2 32.9 49.3



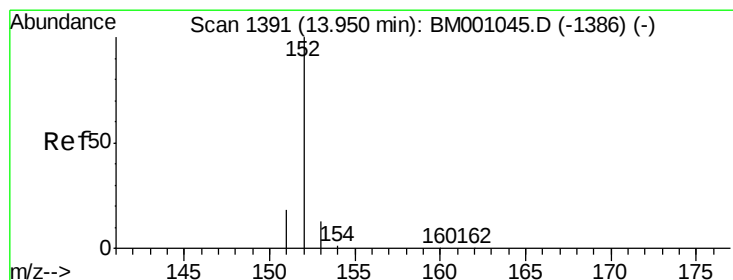
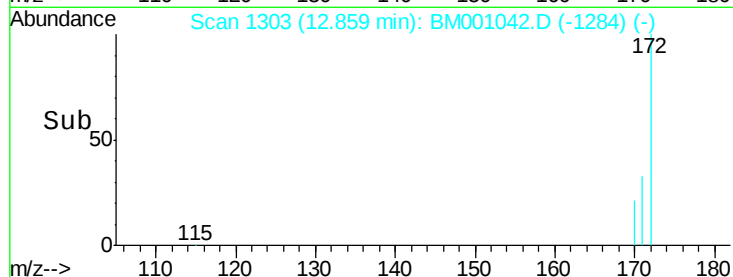
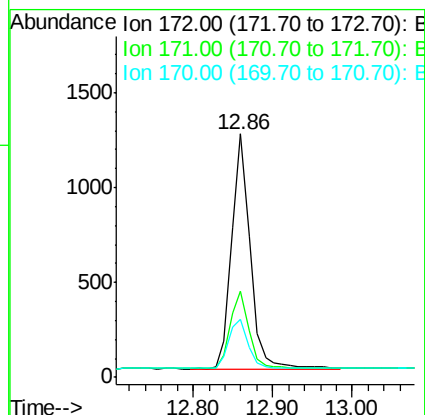
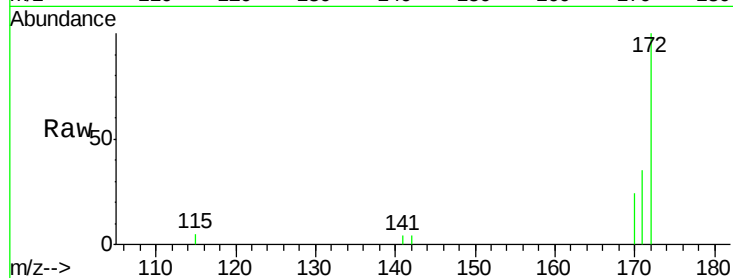
Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E





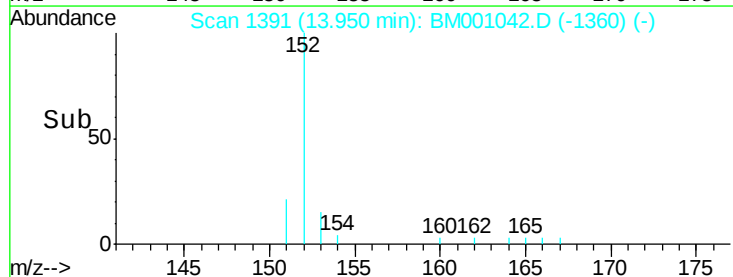
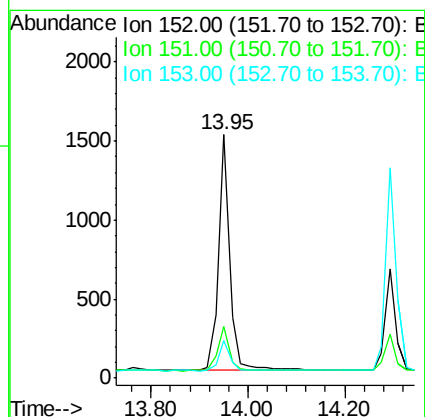
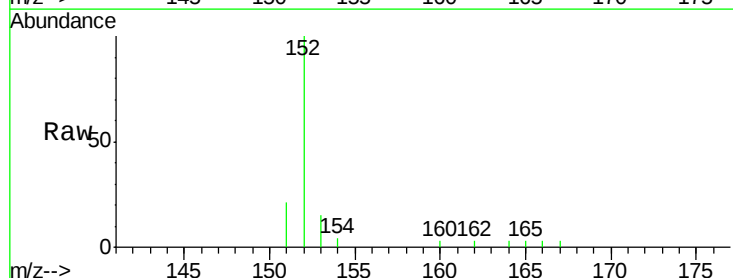
#9
2-Fluorobiphenyl
Concen: 0.21 ng
RT: 12.86 min Scan# 1303
Delta R.T. 0.00 min
Lab File: BM001042.D
Acq: 17 Apr 2015 22:44

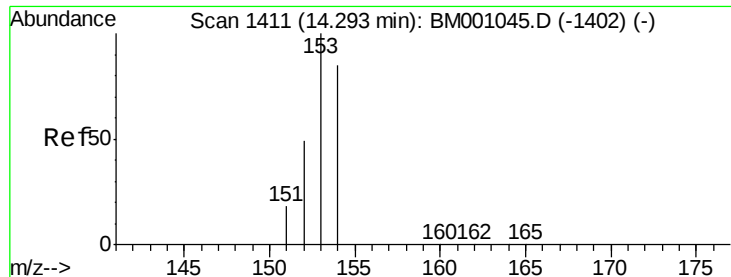
Tgt Ion:172 Resp: 1995
Ion Ratio Lower Upper
172 100
171 35.5 25.6 38.4
170 23.9 15.8 23.6#



#10
Acenaphthylene
Concen: 0.18 ng
RT: 13.95 min Scan# 1391
Delta R.T. 0.00 min
Lab File: BM001042.D
Acq: 17 Apr 2015 22:44

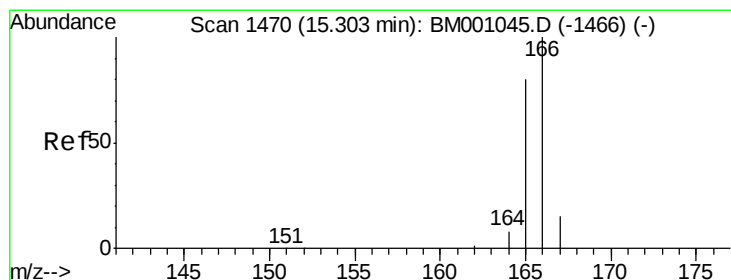
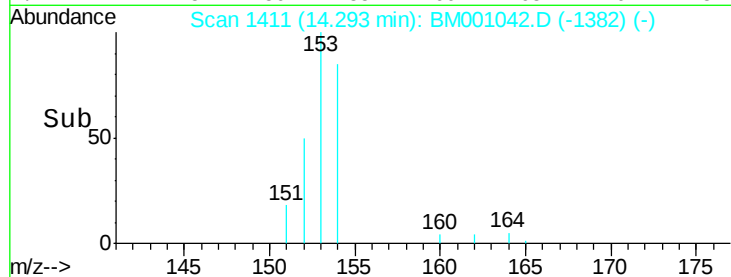
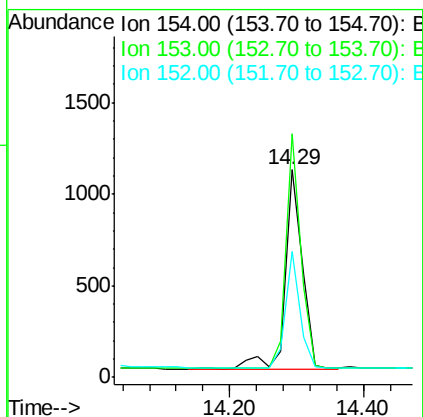
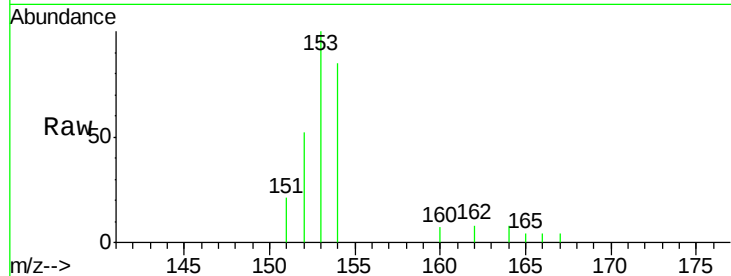
Tgt Ion:152 Resp: 2425
Ion Ratio Lower Upper
152 100
151 18.8 14.7 22.1
153 12.6 10.2 15.2





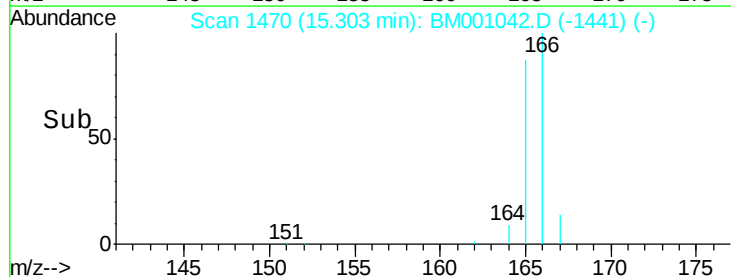
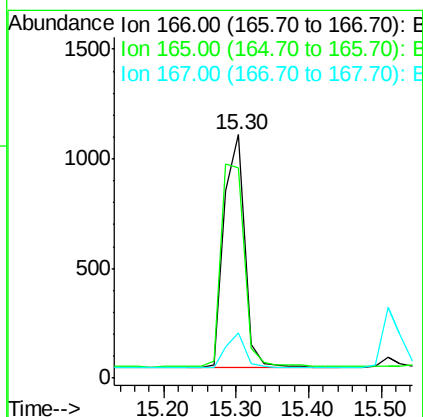
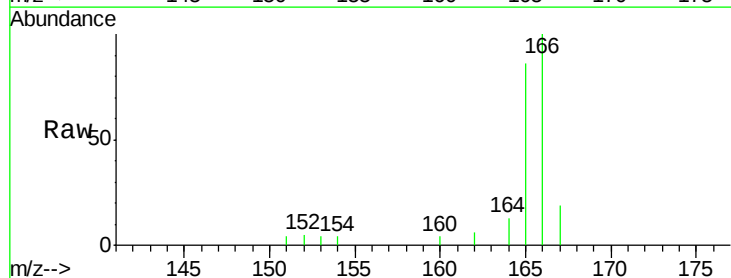
#11
Acenaphthene
Concen: 0.20 ng
RT: 14.29 min Scan# 1411
Delta R.T. 0.00 min
Lab File: BM001042.D
Acq: 17 Apr 2015 22:44

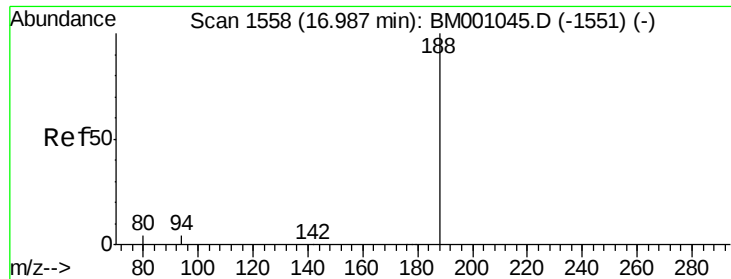
Tgt Ion:154 Resp: 1902
Ion Ratio Lower Upper
154 100
153 103.7 88.1 132.1
152 50.9 42.3 63.5



#12
Fluorene
Concen: 0.20 ng
RT: 15.30 min Scan# 1470
Delta R.T. 0.00 min
Lab File: BM001042.D
Acq: 17 Apr 2015 22:44

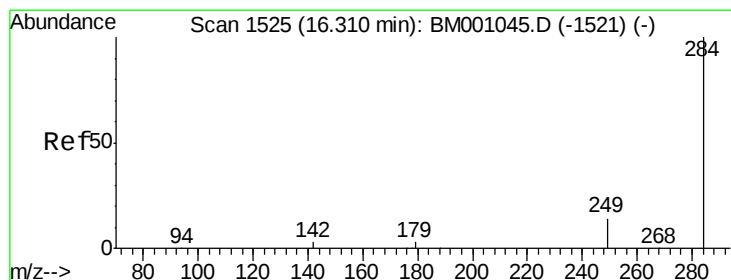
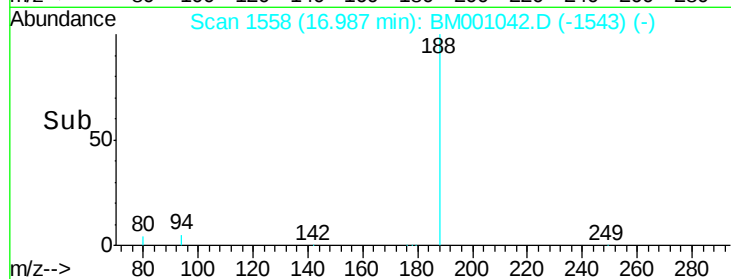
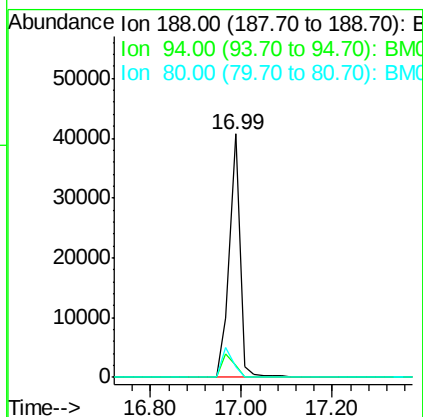
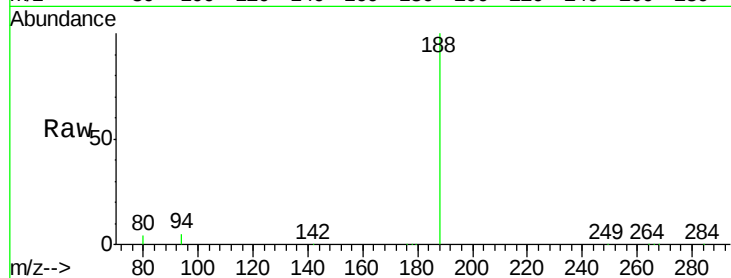
Tgt Ion:166 Resp: 2100
Ion Ratio Lower Upper
166 100
165 98.6 77.6 116.4
167 13.8 10.6 16.0





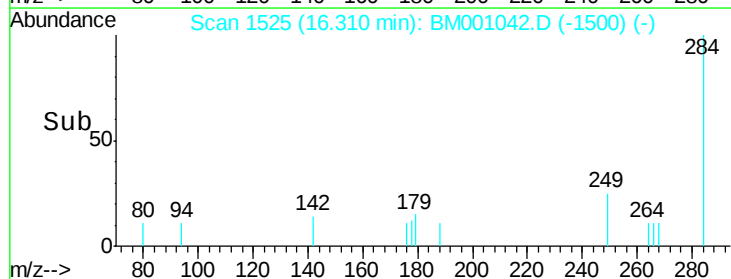
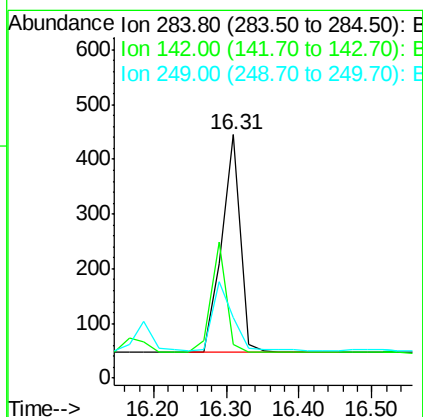
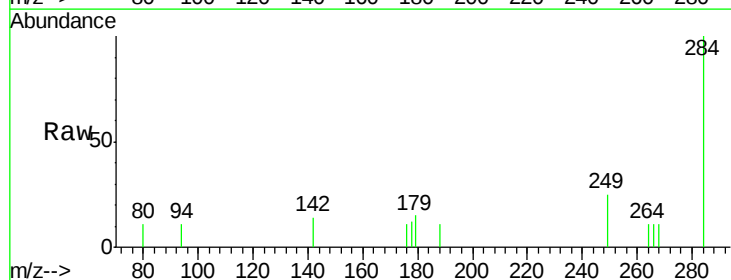
#13
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.99 min Scan# 1558
Delta R.T. 0.00 min
Lab File: BM001042.D
Acq: 17 Apr 2015 22:44

Tgt Ion:188 Resp: 66039
Ion Ratio Lower Upper
188 100
94 4.9 3.6 5.4
80 4.4 3.0 4.6



#14
Hexachlorobenzene
Concen: 0.19 ng
RT: 16.31 min Scan# 1525
Delta R.T. 0.00 min
Lab File: BM001042.D
Acq: 17 Apr 2015 22:44

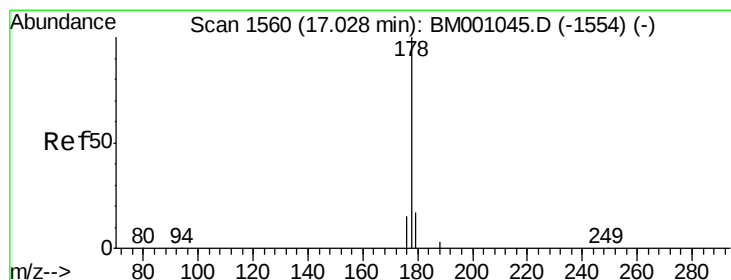
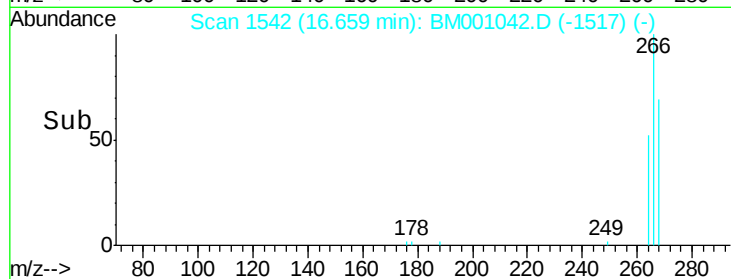
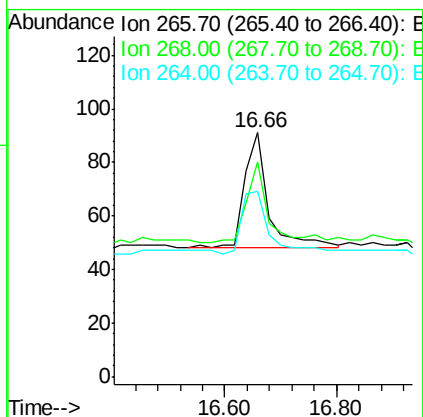
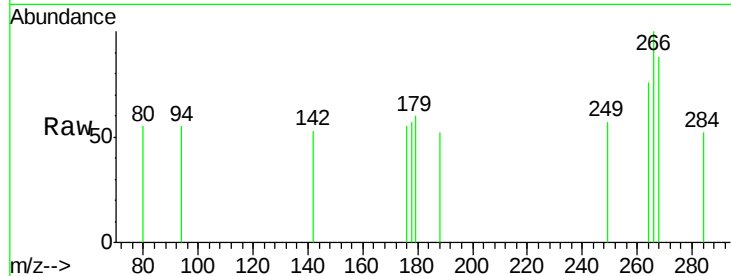
Tgt Ion:284 Resp: 710
Ion Ratio Lower Upper
284 100
142 0.0 0.0 0.0
249 0.0 0.0 0.0





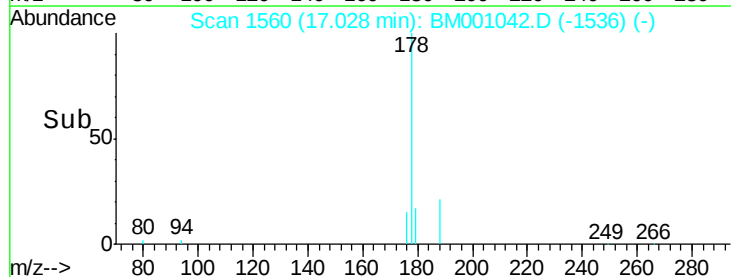
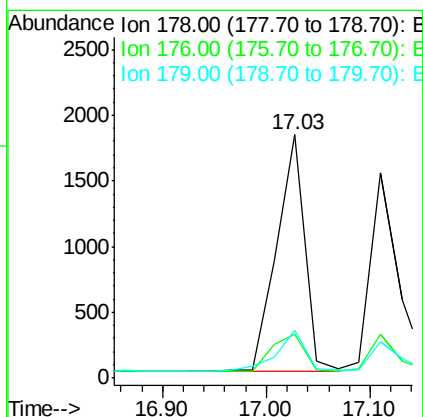
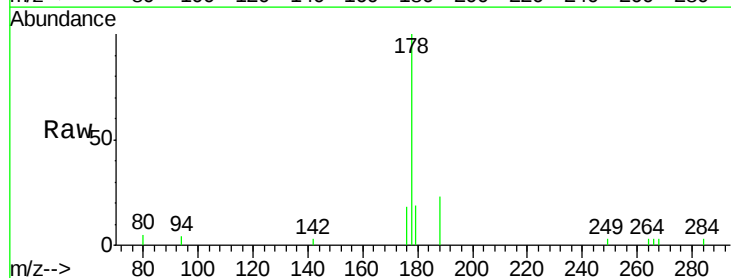
#15
 Pentachlorophenol
 Concen: 0.13 ng
 RT: 16.66 min Scan# 1542
 Delta R.T. 0.02 min
 Lab File: BM001042.D
 Acq: 17 Apr 2015 22:44

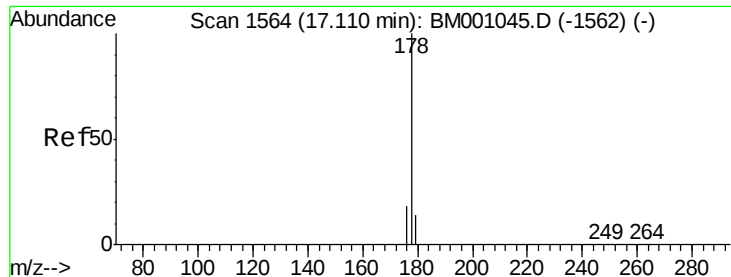
Tgt Ion: 266 Resp: 128
 Ion Ratio Lower Upper
 266 100
 268 87.9 46.3 69.5#
 264 75.8 59.8 89.6



#16
 Phenanthrene
 Concen: 0.19 ng
 RT: 17.03 min Scan# 1560
 Delta R.T. 0.00 min
 Lab File: BM001042.D
 Acq: 17 Apr 2015 22:44

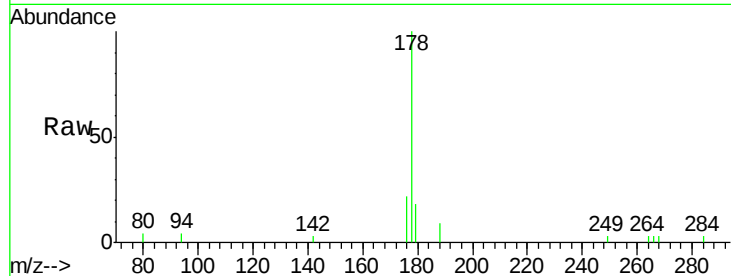
Tgt Ion: 178 Resp: 3394
 Ion Ratio Lower Upper
 178 100
 176 18.2 14.6 22.0
 179 16.9 12.6 19.0



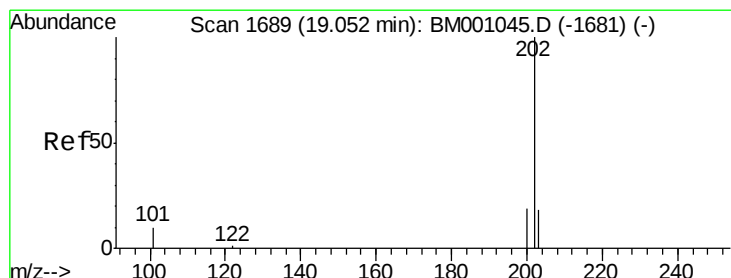
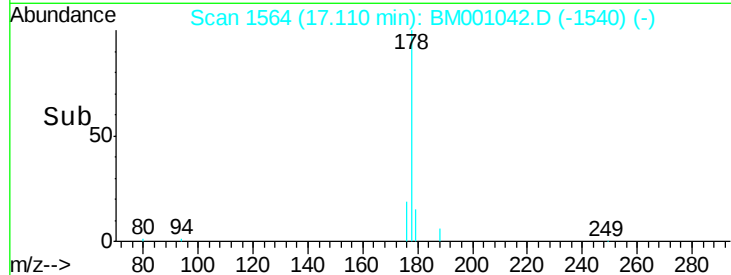
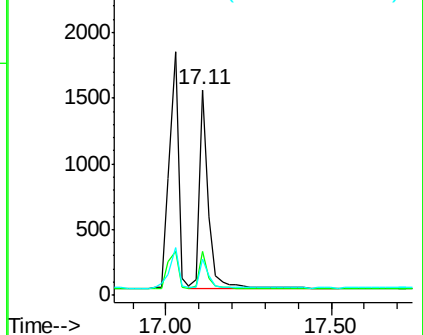


#17
 Anthracene
 Concen: 0.19 ng
 RT: 17.11 min Scan# 1564
 Delta R.T. 0.00 min
 Lab File: BM001042.D
 Acq: 17 Apr 2015 22:44

Tgt Ion:178 Resp: 2962
 Ion Ratio Lower Upper
 178 100
 176 17.3 14.3 21.5
 179 15.7 11.8 17.8

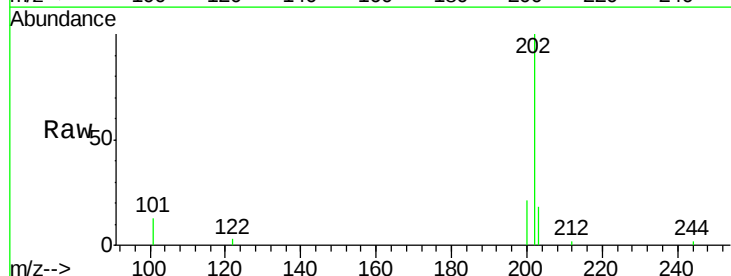


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

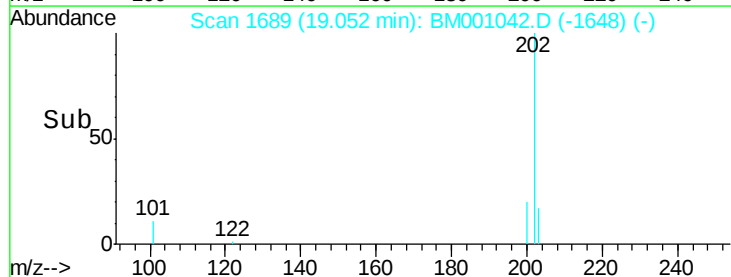
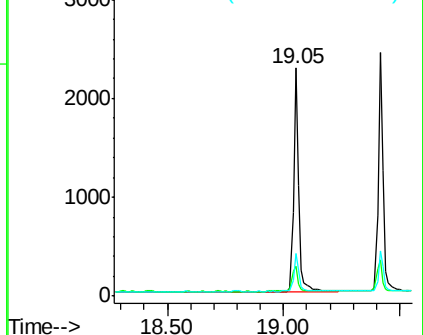


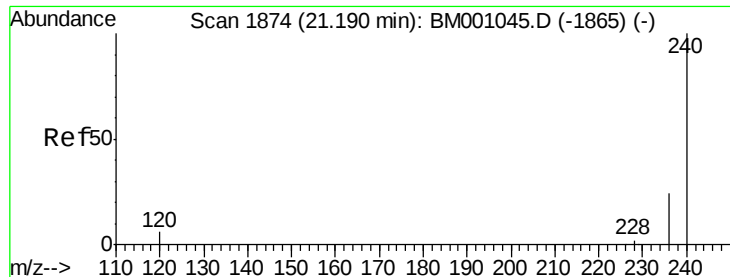
#18
 Fluoranthene
 Concen: 0.19 ng
 RT: 19.05 min Scan# 1689
 Delta R.T. 0.00 min
 Lab File: BM001042.D
 Acq: 17 Apr 2015 22:44

Tgt Ion:202 Resp: 3408
 Ion Ratio Lower Upper
 202 100
 101 12.5 10.1 15.1
 203 17.5 13.8 20.8



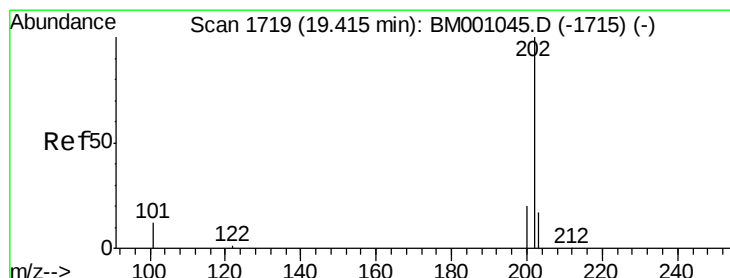
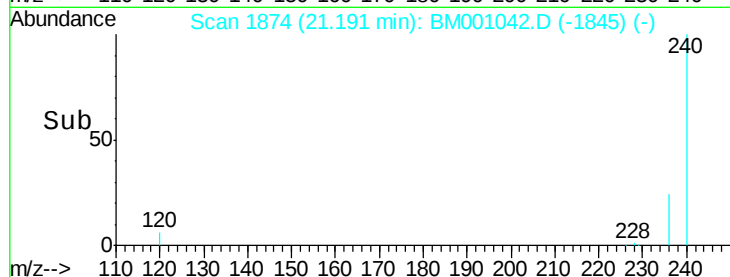
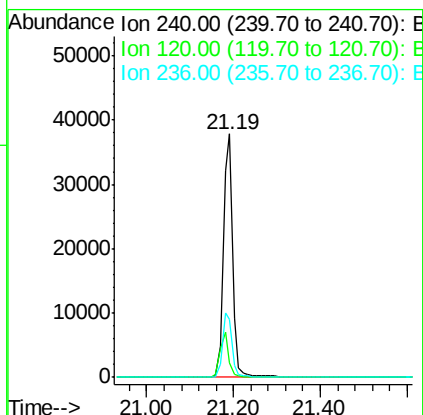
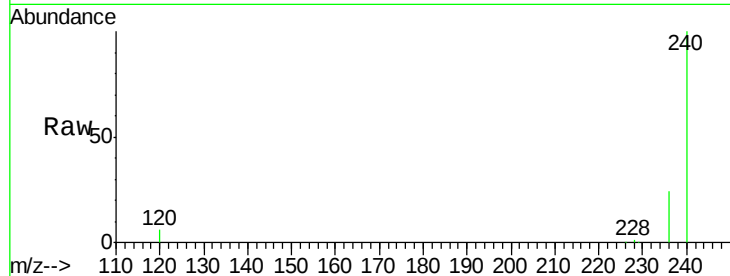
Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E





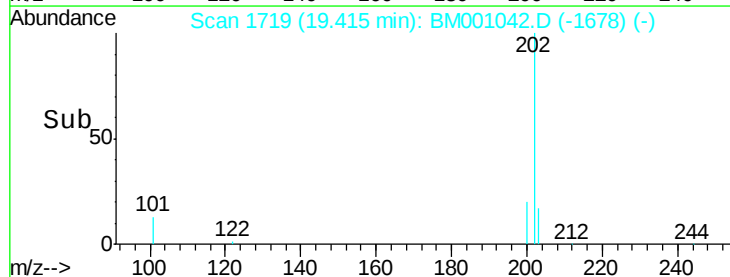
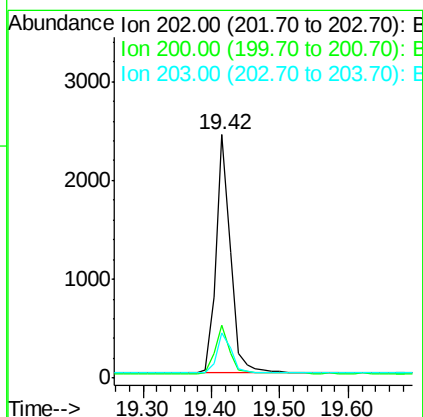
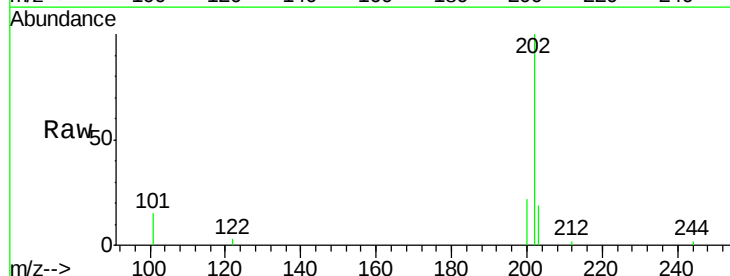
#19
Chrysene-d12
Concen: 5.00 ng
RT: 21.19 min Scan# 1874
Delta R.T. 0.00 min
Lab File: BM001042.D
Acq: 17 Apr 2015 22:44

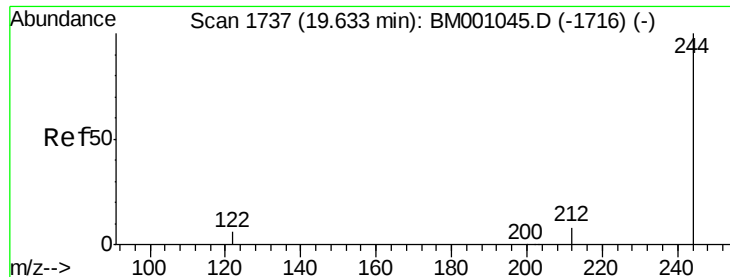
Tgt Ion:240 Resp: 55390
Ion Ratio Lower Upper
240 100
120 6.2 4.6 6.8
236 24.0 19.1 28.7



#20
Pyrene
Concen: 0.20 ng
RT: 19.42 min Scan# 1719
Delta R.T. 0.00 min
Lab File: BM001042.D
Acq: 17 Apr 2015 22:44

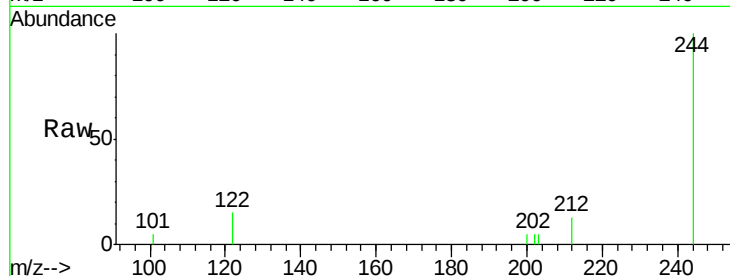
Tgt Ion:202 Resp: 3534
Ion Ratio Lower Upper
202 100
200 20.1 16.3 24.5
203 17.6 13.8 20.6



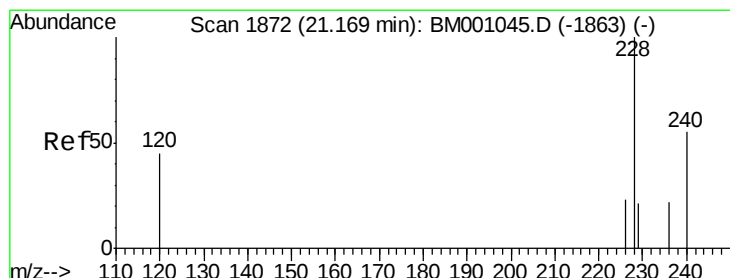
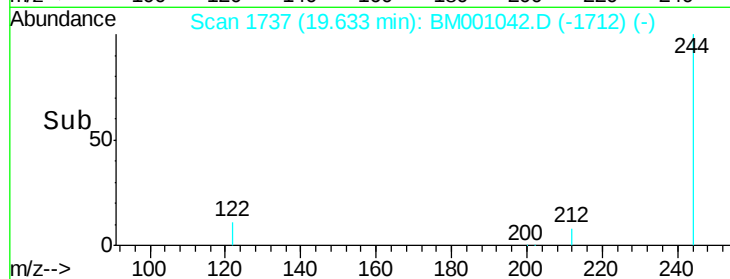
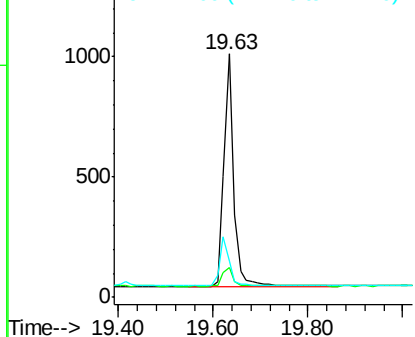


#21
 Terphenyl-d14
 Concen: 0.21 ng
 RT: 19.63 min Scan# 1737
 Delta R.T. 0.00 min
 Lab File: BM001042.D
 Acq: 17 Apr 2015 22:44

Tgt Ion: 244 Resp: 1401
 Ion Ratio Lower Upper
 244 100
 212 12.5 7.1 10.7#
 122 14.9 5.9 8.9#

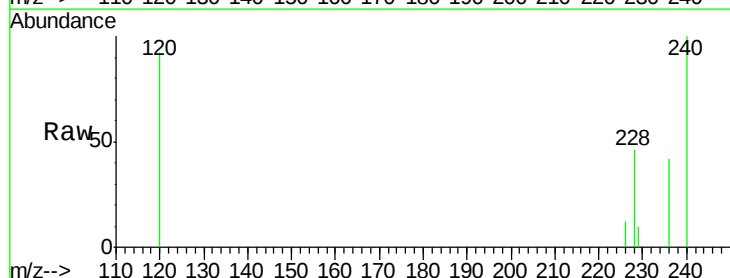


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

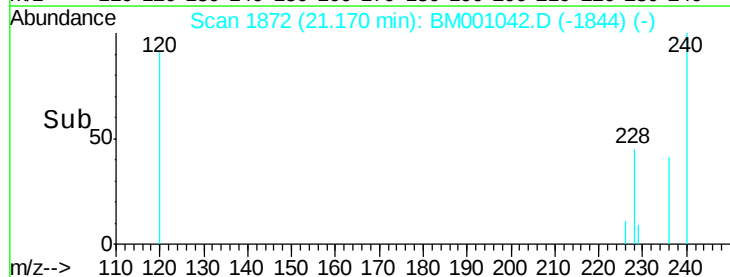
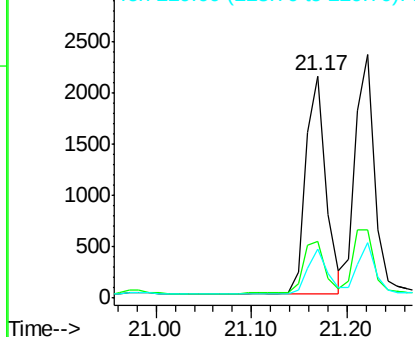


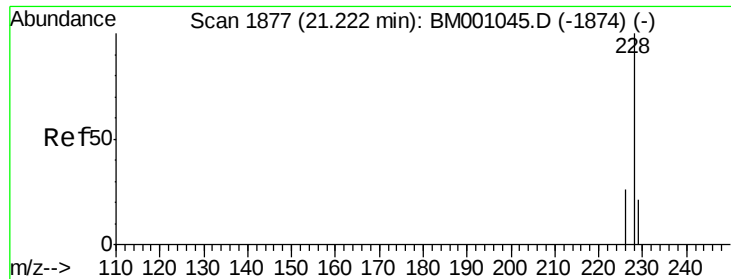
#22
 Benzo(a)anthracene
 Concen: 0.19 ng
 RT: 21.17 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: BM001042.D
 Acq: 17 Apr 2015 22:44

Tgt Ion: 228 Resp: 3063
 Ion Ratio Lower Upper
 228 100
 226 25.3 19.0 28.6
 229 22.3 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: 0.21 ng

RT: 21.22 min Scan# 1877

Delta R.T. 0.00 min

Lab File: BM001042.D

Acq: 17 Apr 2015 22:44

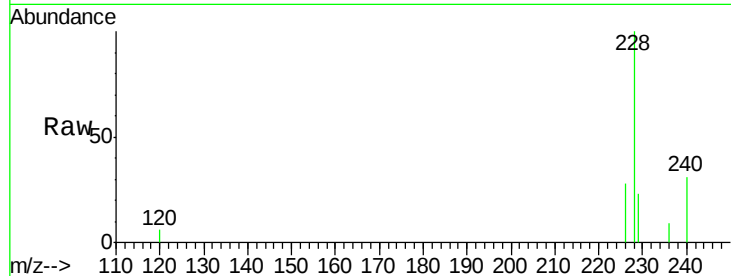
Tgt Ion: 228 Resp: 3398

Ion Ratio Lower Upper

228 100

226 28.1 20.6 31.0

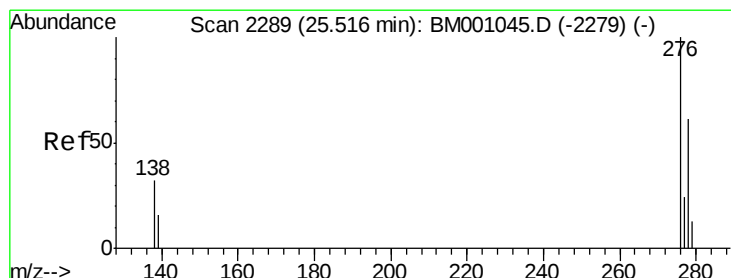
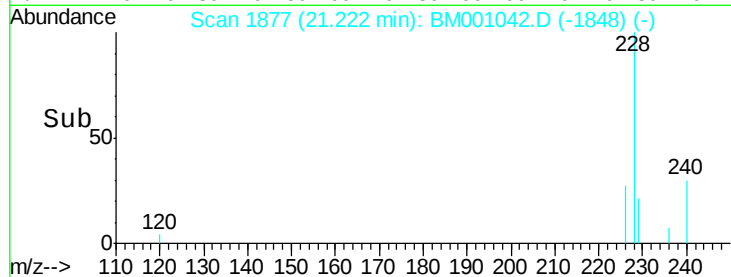
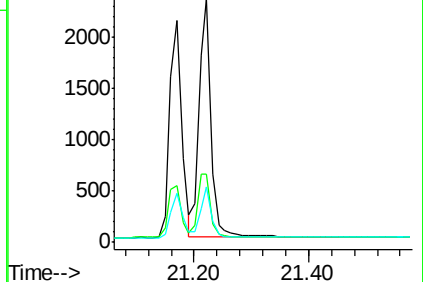
229 22.9 17.2 25.8



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: 0.19 ng

RT: 25.52 min Scan# 2289

Delta R.T. 0.00 min

Lab File: BM001042.D

Acq: 17 Apr 2015 22:44

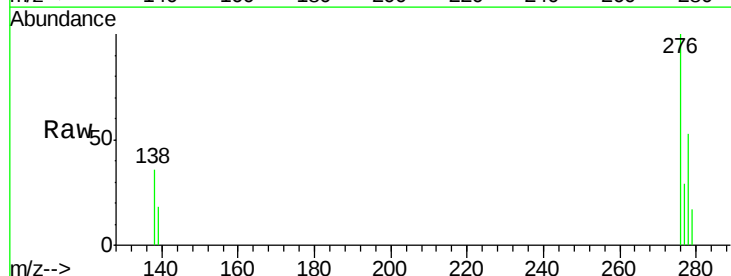
Tgt Ion: 276 Resp: 3343

Ion Ratio Lower Upper

276 100

138 32.4 26.3 39.5

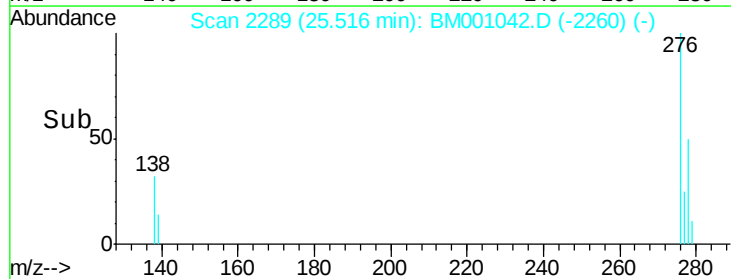
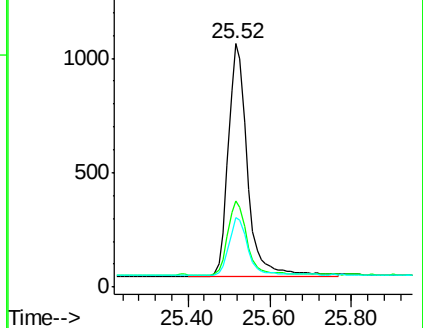
277 24.7 19.5 29.3

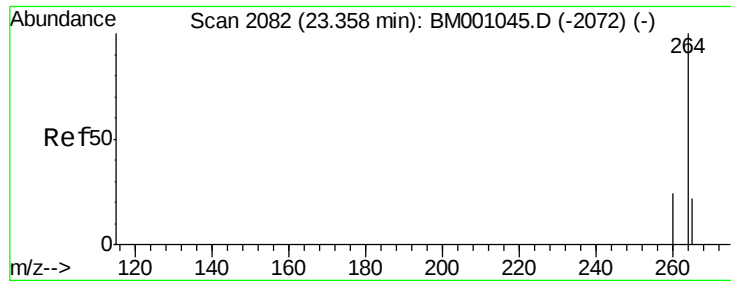


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

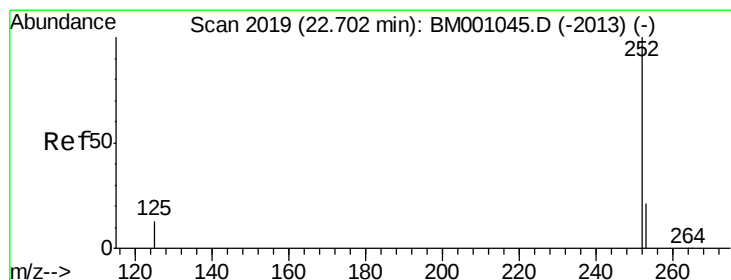
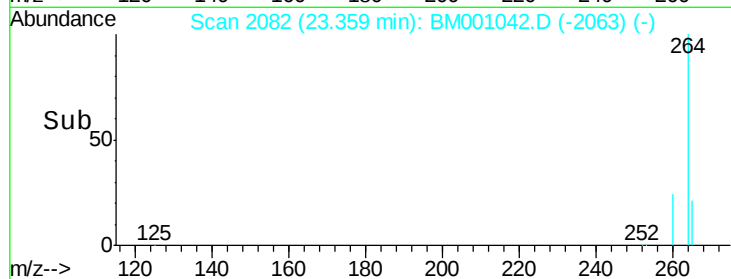
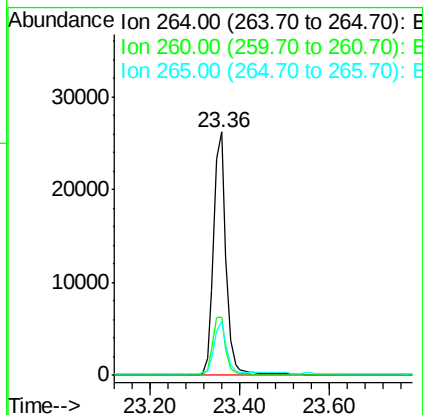
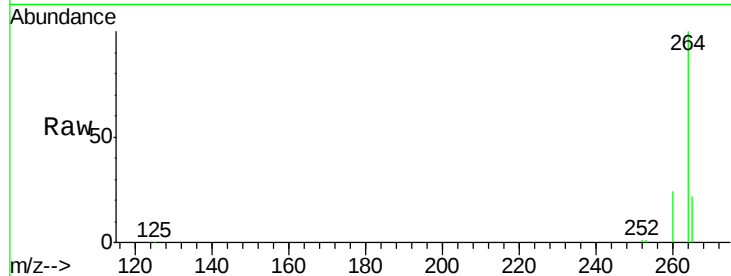
Ion 277.00 (276.70 to 277.70): E





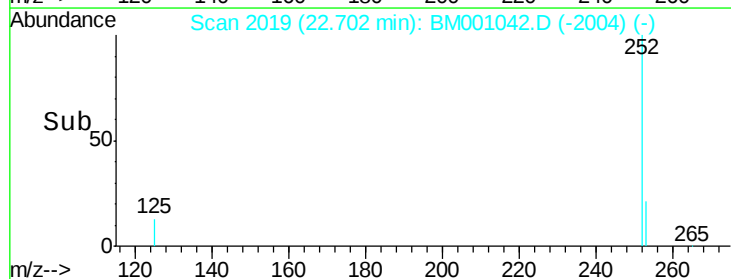
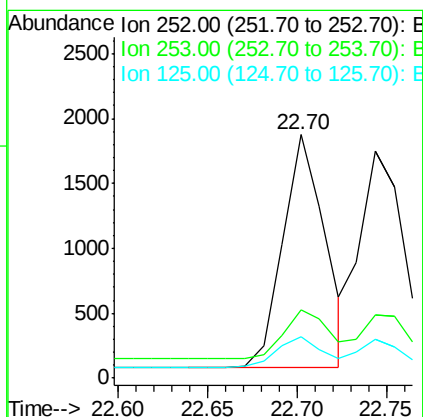
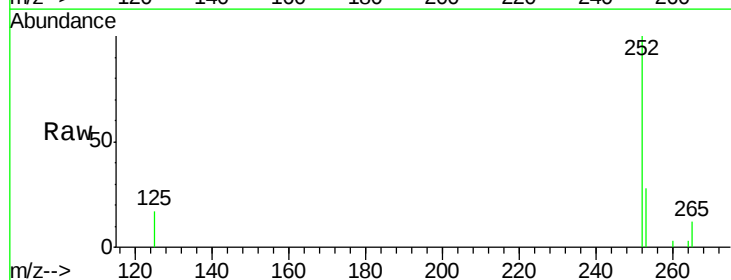
#25
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.36 min Scan# 2082
 Delta R.T. 0.00 min
 Lab File: BM001042.D
 Acq: 17 Apr 2015 22:44

Tgt Ion: 264 Resp: 50636
 Ion Ratio Lower Upper
 264 100
 260 23.7 19.0 28.6
 265 22.3 17.9 26.9



#26
 Benzo(b)fluoranthene
 Concen: 0.19 ng
 RT: 22.70 min Scan# 2019
 Delta R.T. 0.00 min
 Lab File: BM001042.D
 Acq: 17 Apr 2015 22:44

Tgt Ion: 252 Resp: 2957
 Ion Ratio Lower Upper
 252 100
 253 28.0 18.2 27.2#
 125 17.0 10.9 16.3#





#27

Benzo(k)fluoranthene

Concen: 0.20 ng

RT: 22.74 min Scan# 2023

Delta R.T. 0.00 min

Lab File: BM001042.D

Acq: 17 Apr 2015 22:44

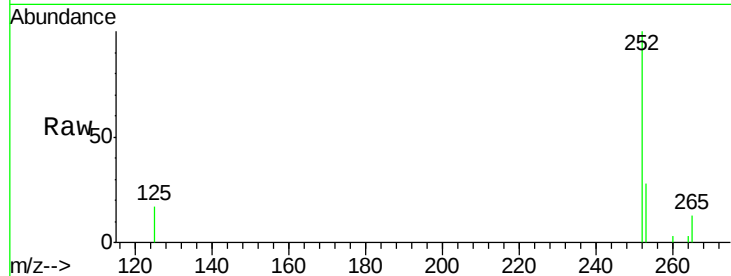
Tgt Ion:252 Resp: 3047

Ion Ratio Lower Upper

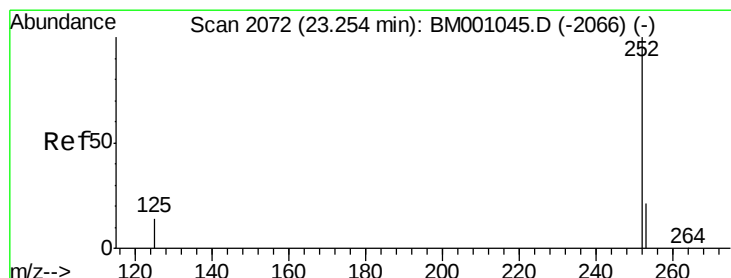
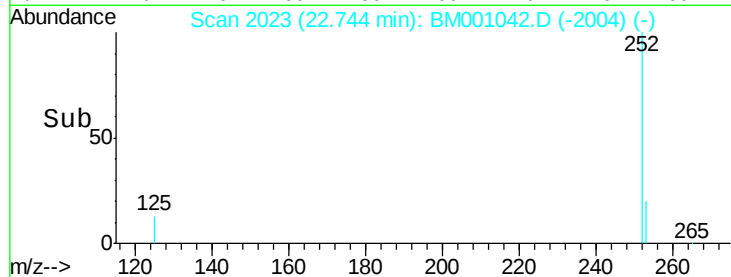
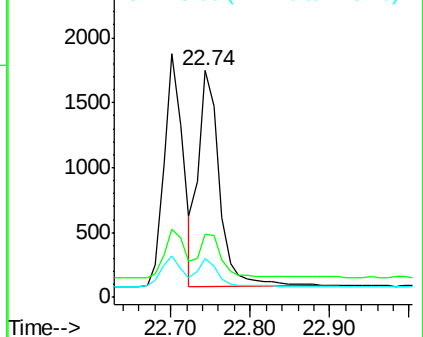
252 100

253 27.9 18.3 27.5#

125 17.3 10.6 15.8#



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



#28

Benzo(a)pyrene

Concen: 0.19 ng

RT: 23.25 min Scan# 2072

Delta R.T. 0.00 min

Lab File: BM001042.D

Acq: 17 Apr 2015 22:44

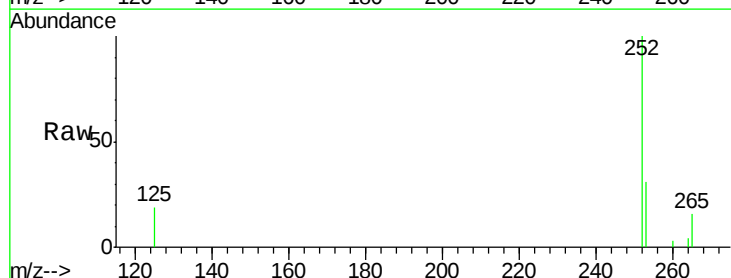
Tgt Ion:252 Resp: 2578

Ion Ratio Lower Upper

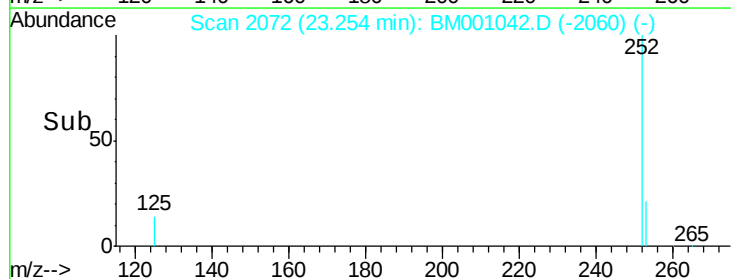
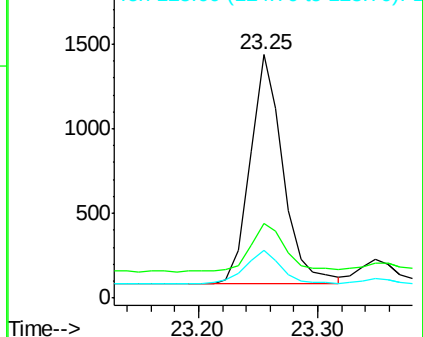
252 100

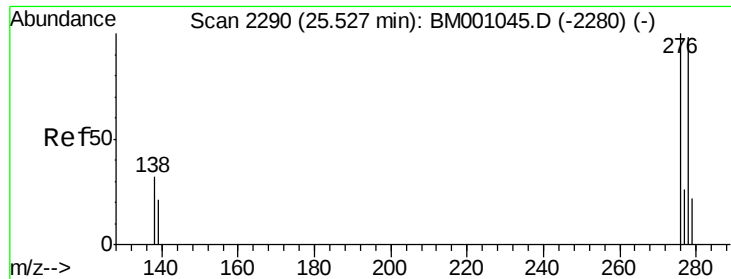
253 30.9 18.6 27.8#

125 19.4 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

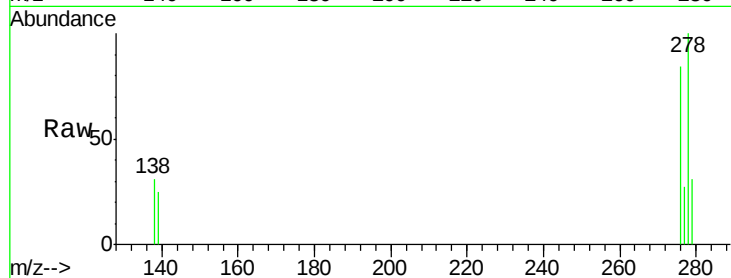




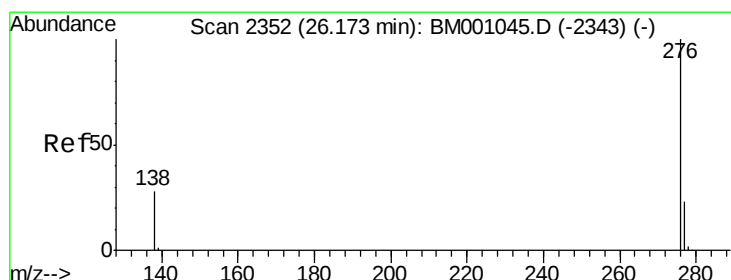
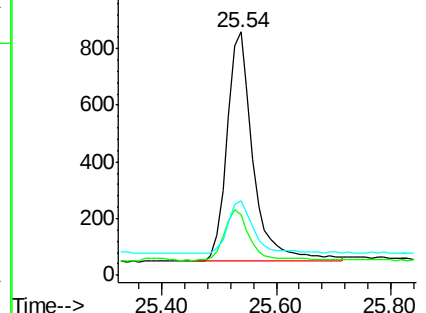
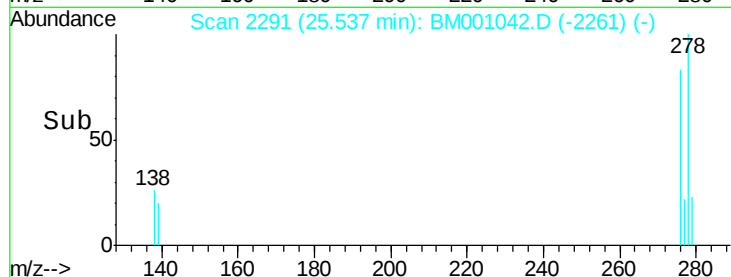
#29
Dibenzo(a,h)anthracene
Concen: 0.19 ng
RT: 25.54 min Scan# 2291
Delta R.T. 0.01 min
Lab File: BM001042.D
Acq: 17 Apr 2015 22:44

Tgt Ion: 278 Resp: 2574

Ion	Ratio	Lower	Upper
278	100		
139	25.0	18.2	27.2
279	30.7	19.1	28.7#



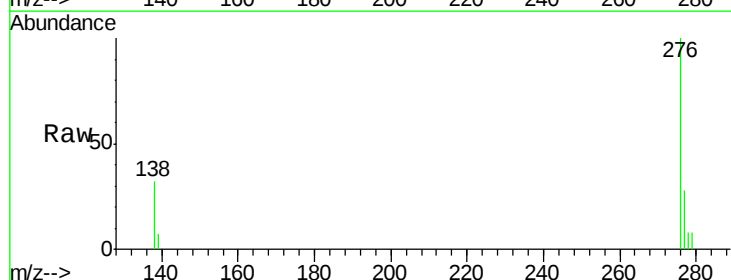
Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#30
Benzo(g,h,i)perylene
Concen: 0.20 ng
RT: 26.18 min Scan# 2353
Delta R.T. 0.01 min
Lab File: BM001042.D
Acq: 17 Apr 2015 22:44

Tgt Ion: 276 Resp: 2895

Ion	Ratio	Lower	Upper
276	100		
277	28.2	19.0	28.4
138	31.5	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

