

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM041815\
 Data File : BM001044.D
 Acq On : 17 Apr 2015 23:55
 Operator : TP/IZ
 Sample : SSTDICC0.8
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Apr 18 05:59:24 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	15932	5.00	ng	0.00
4) Naphthalene-d8	10.36	136	56894	5.00	ng	0.00
8) Acenaphthene-d10	14.24	164	29889	5.00	ng	0.00
13) Phenanthrene-d10	16.99	188	64388	5.00	ng	0.00
19) Chrysene-d12	21.18	240	55030	5.00	ng	-0.01
25) Perylene-d12	23.35	264	49425	5.00	ng	-0.01

System Monitoring Compounds

5) Nitrobenzene-d5	8.74	82	2476	0.87	ng	0.00
9) 2-Fluorobiphenyl	12.86	172	8195	0.88	ng	0.00
21) Terphenyl-d14	19.63	244	6076	0.91	ng	0.00

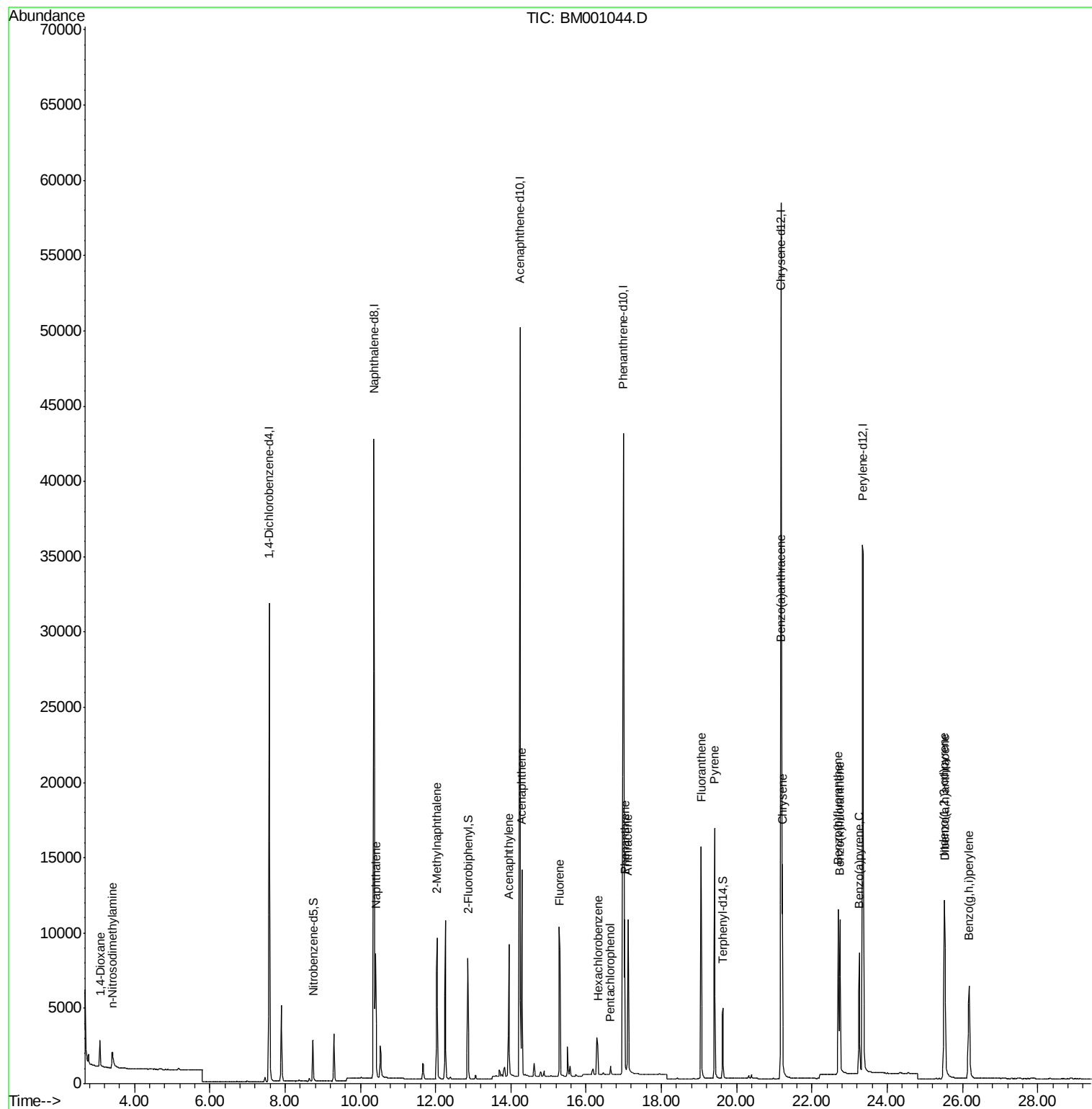
Target Compounds

						Qvalue
2) 1,4-Dioxane	3.08	88	1433	1.06	ng	# 100
3) n-Nitrosodimethylamine	3.41	42	1447	0.97	ng	96
6) Naphthalene	10.41	128	11253	0.85	ng	100
7) 2-Methylnaphthalene	12.04	142	7290	0.87	ng	98
10) Acenaphthylene	13.95	152	10730	0.81	ng	99
11) Acenaphthene	14.29	154	7434	0.81	ng	100
12) Fluorene	15.30	166	8791	0.85	ng	100
14) Hexachlorobenzene	16.31	284	2989	0.80	ng	# 100
15) Pentachlorophenol	16.64	266	638	0.68	ng	94
16) Phenanthrene	17.03	178	14182	0.81	ng	100
17) Anthracene	17.11	178	12880	0.86	ng	99
18) Fluoranthene	19.05	202	14524	0.83	ng	99
20) Pyrene	19.42	202	14993	0.84	ng	100
22) Benzo(a)anthracene	21.17	228	12816	0.81	ng	99
23) Chrysene	21.22	228	14083	0.86	ng	100
24) Indeno(1,2,3-cd)pyrene	25.52	276	14235	0.83	ng	100
26) Benzo(b)fluoranthene	22.70	252	13261	0.85	ng	99
27) Benzo(k)fluoranthene	22.74	252	12676	0.85	ng	100
28) Benzo(a)pyrene	23.25	252	11212	0.84	ng	99
29) Dibenzo(a,h)anthracene	25.53	278	11260	0.85	ng	99
30) Benzo(g,h,i)perylene	26.17	276	12102	0.85	ng	99

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

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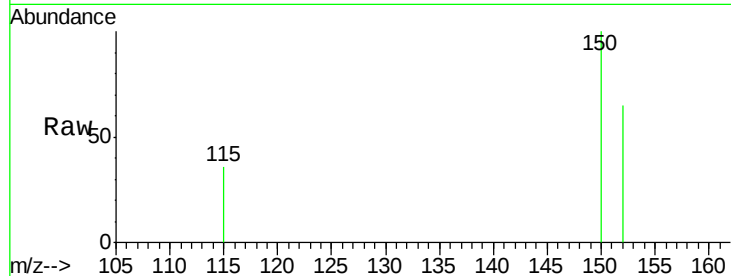




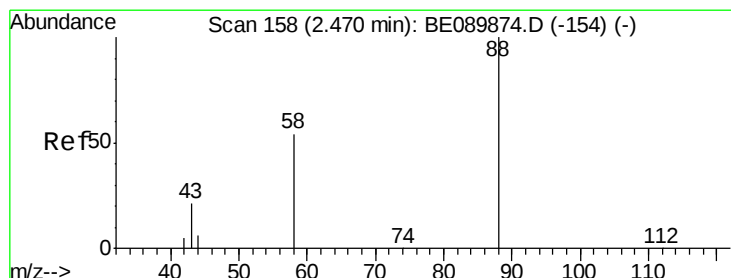
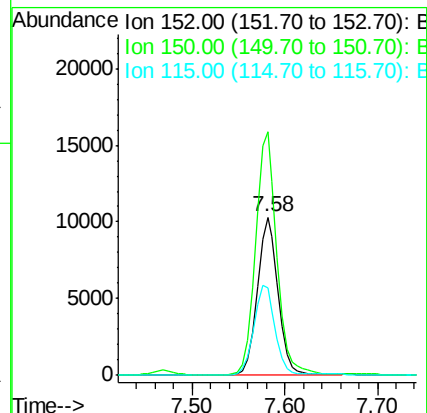
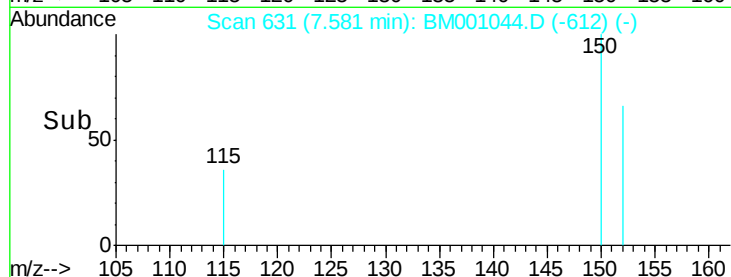
#1

1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.58 min Scan# 631
Delta R.T. 0.00 min
Lab File: BM001044.D
Acq: 17 Apr 2015 23:55

Tgt Ion: 152 Resp: 15932
Ion Ratio Lower Upper
152 100
150 153.7 123.3 184.9
115 55.2 45.0 67.6



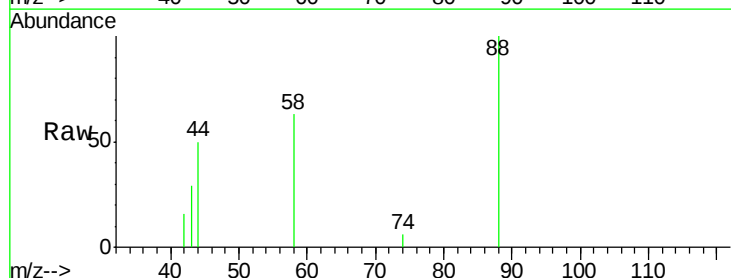
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



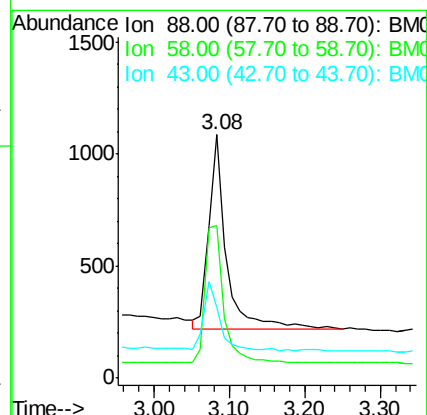
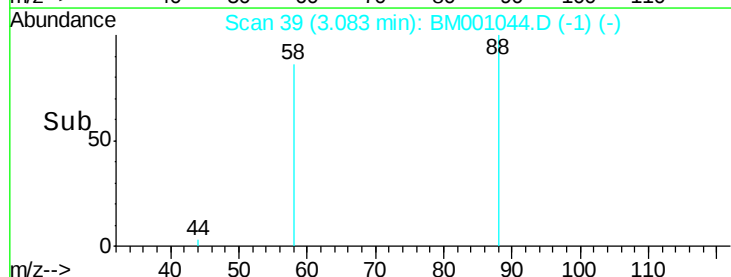
#2

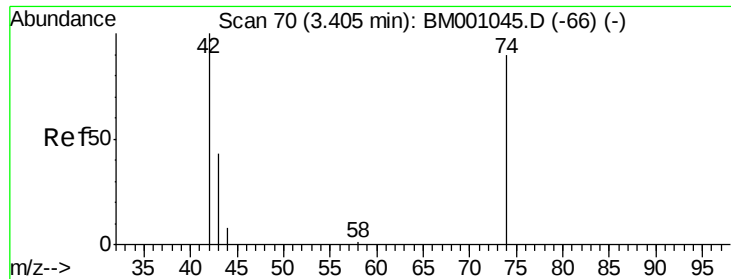
1,4-Dioxane
Concen: 1.06 ng
RT: 3.08 min Scan# 39
Delta R.T. 0.00 min
Lab File: BM001044.D
Acq: 17 Apr 2015 23:55

Tgt Ion: 88 Resp: 1433
Ion Ratio Lower Upper
88 100
58 72.9 0.0 0.0#
43 30.9 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: 0.97 ng

RT: 3.41 min Scan# 70

Delta R.T. 0.00 min

Lab File: BM001044.D

Acq: 17 Apr 2015 23:55

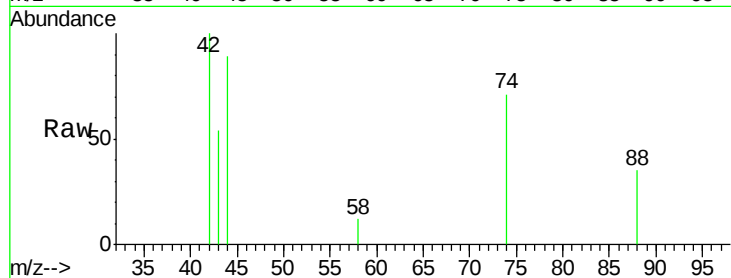
Tgt Ion: 42 Resp: 1447

Ion Ratio Lower Upper

42 100

74 110.9 92.1 138.1

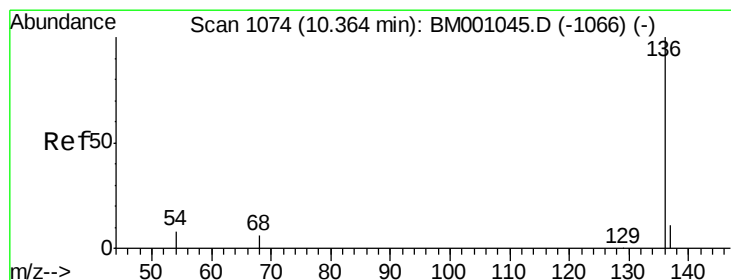
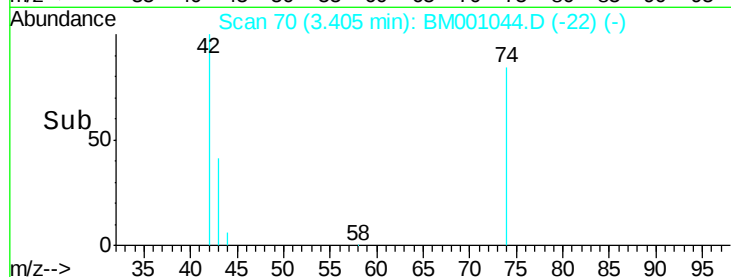
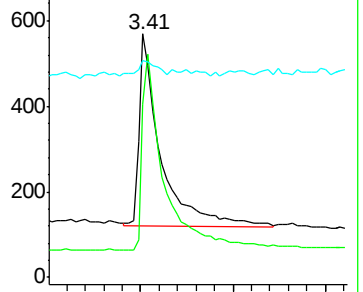
44 7.0 5.8 8.6



Abundance Ion 42.00 (41.70 to 42.70): BM001044.D (-66) (-)

Ion 74.00 (73.70 to 74.70): BM001044.D (-66) (-)

Ion 44.00 (43.70 to 44.70): BM001044.D (-66) (-)



#4

Naphthalene-d8

Concen: 5.00 ng

RT: 10.36 min Scan# 1074

Delta R.T. 0.00 min

Lab File: BM001044.D

Acq: 17 Apr 2015 23:55

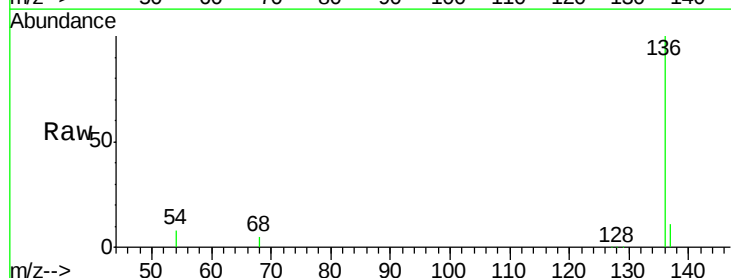
Tgt Ion: 136 Resp: 56894

Ion Ratio Lower Upper

136 100

137 10.9 8.6 13.0

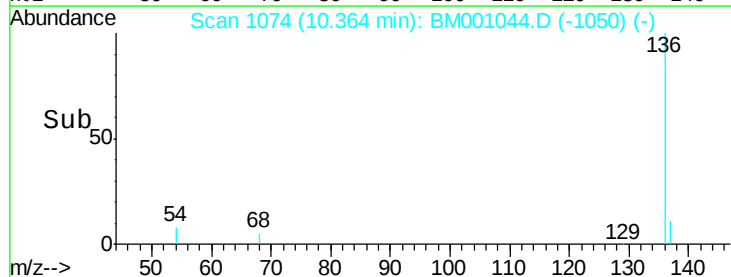
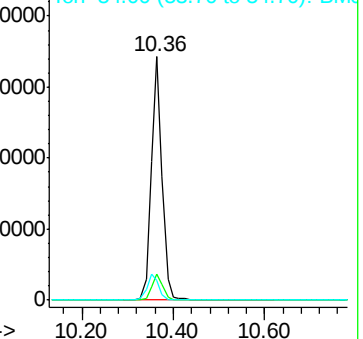
54 8.1 6.5 9.7

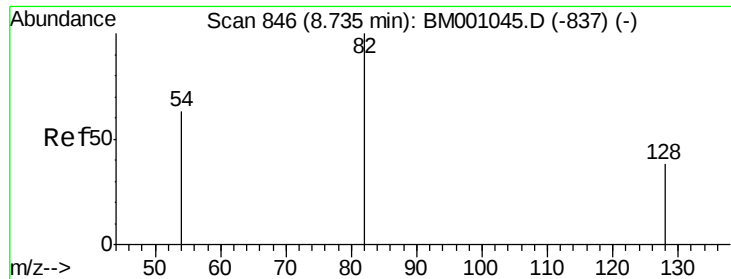


Abundance Ion 136.00 (135.70 to 136.70): BM001044.D (-1066) (-)

Ion 137.00 (136.70 to 137.70): BM001044.D (-1066) (-)

Ion 54.00 (53.70 to 54.70): BM001044.D (-1066) (-)





#5

Nitrobenzene-d5

Concen: 0.87 ng

RT: 8.74 min Scan# 847

Delta R.T. 0.01 min

Lab File: BM001044.D

Acq: 17 Apr 2015 23:55

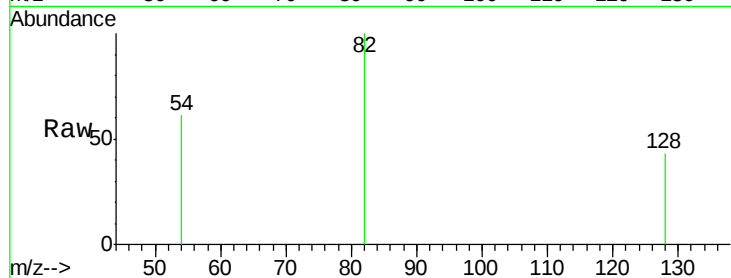
Tgt Ion: 82 Resp: 2476

Ion	Ratio	Lower	Upper
82	100		
128	42.7	31.9	47.9
54	60.9	51.3	76.9

82 100

128 42.7 31.9 47.9

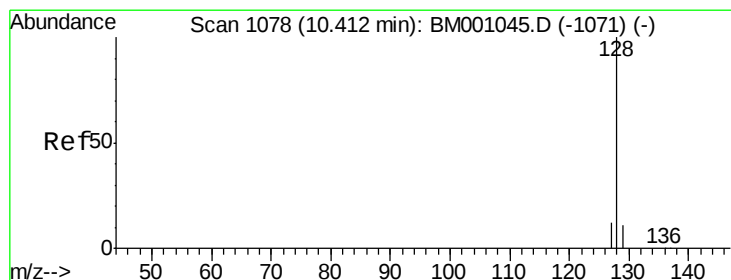
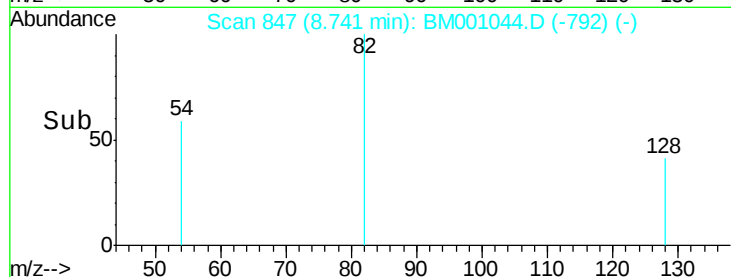
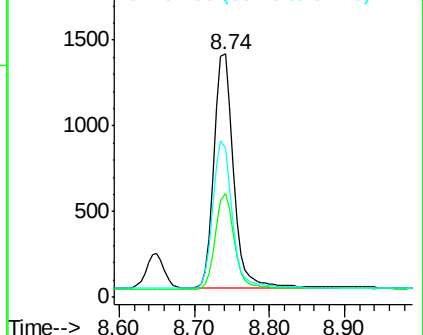
54 60.9 51.3 76.9



Abundance Ion 82.00 (81.70 to 82.70): BM001044.D (-837) (-)

Ion 128.00 (127.70 to 128.70): BM001044.D (-837) (-)

Ion 54.00 (53.70 to 54.70): BM001044.D (-837) (-)



#6

Naphthalene

Concen: 0.85 ng

RT: 10.41 min Scan# 1078

Delta R.T. 0.00 min

Lab File: BM001044.D

Acq: 17 Apr 2015 23:55

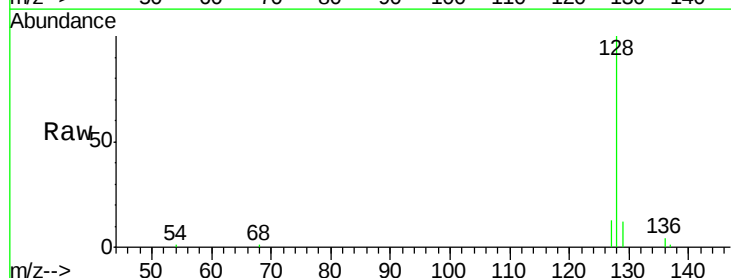
Tgt Ion: 128 Resp: 11253

Ion	Ratio	Lower	Upper
128	100		
129	11.9	9.3	13.9
127	12.6	10.0	15.0

128 100

129 11.9 9.3 13.9

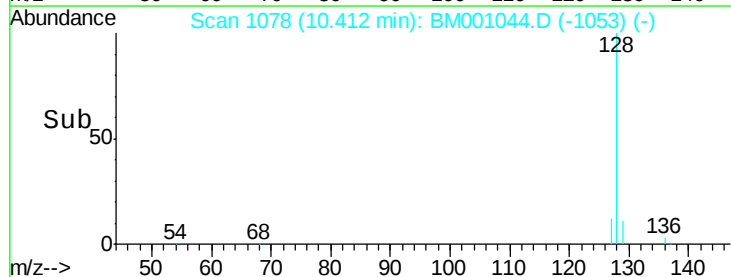
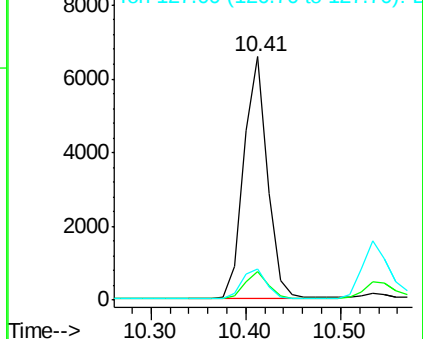
127 12.6 10.0 15.0



Abundance Ion 128.00 (127.70 to 128.70): BM001044.D (-1071) (-)

Ion 129.00 (128.70 to 129.70): BM001044.D (-1071) (-)

Ion 127.00 (126.70 to 127.70): BM001044.D (-1071) (-)





#7

2-Methylnaphthalene

Concen: 0.87 ng

RT: 12.04 min Scan# 1224

Delta R.T. 0.00 min

Lab File: BM001044.D

Acq: 17 Apr 2015 23:55

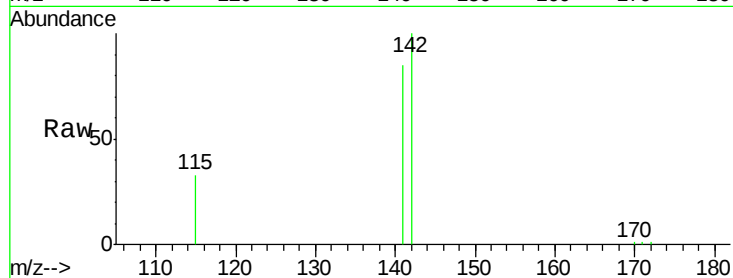
Tgt Ion:142 Resp: 7290

Ion Ratio Lower Upper

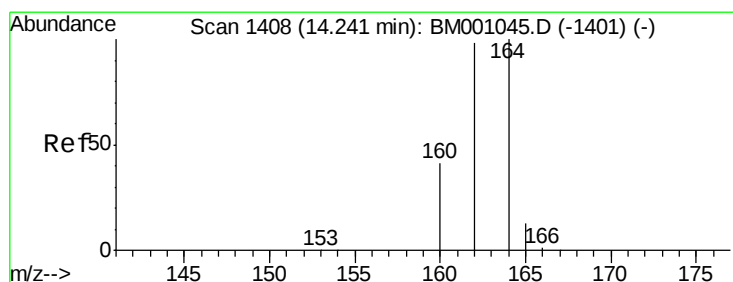
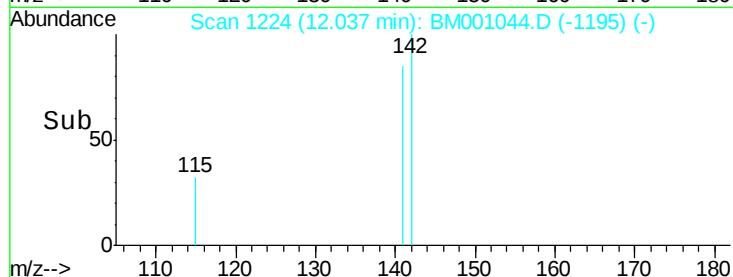
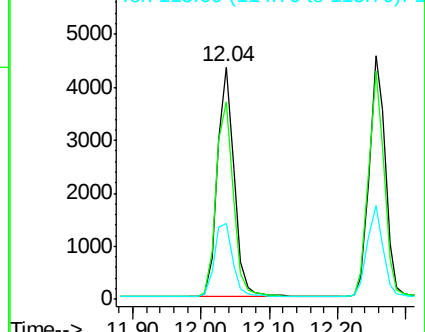
142 100

141 84.9 66.7 100.1

115 32.9 25.5 38.3



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E



#8

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.24 min Scan# 1408

Delta R.T. 0.00 min

Lab File: BM001044.D

Acq: 17 Apr 2015 23:55

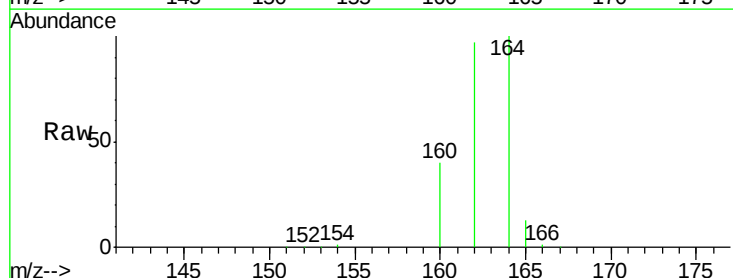
Tgt Ion:164 Resp: 29889

Ion Ratio Lower Upper

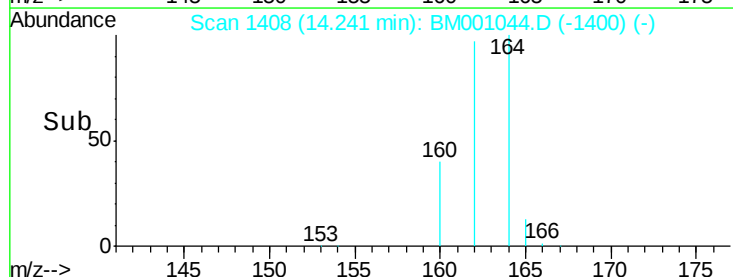
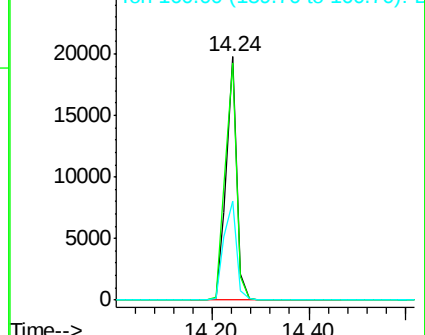
164 100

162 97.3 78.5 117.7

160 40.4 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: 0.88 ng

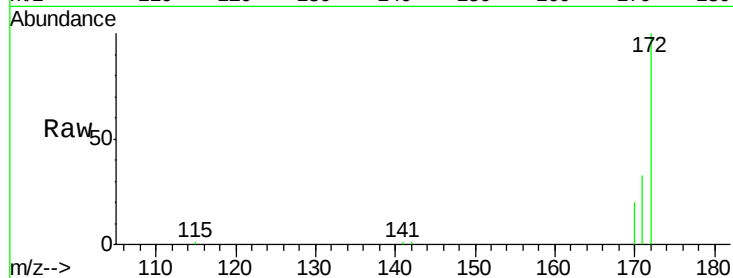
RT: 12.86 min Scan# 1303

Delta R.T. 0.00 min

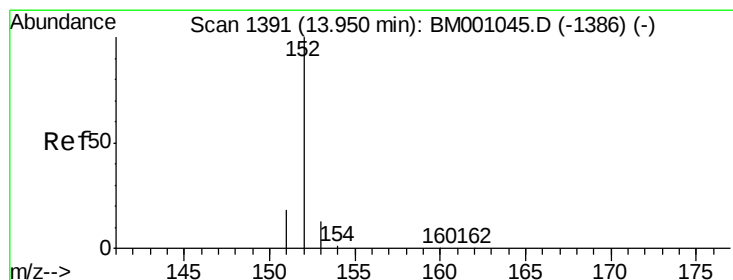
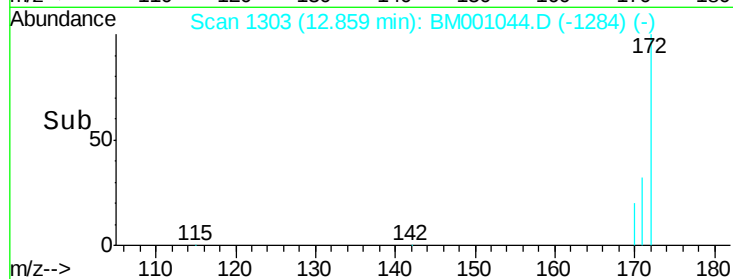
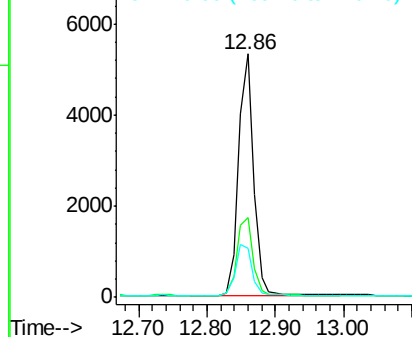
Lab File: BM001044.D

Acq: 17 Apr 2015 23:55

Tgt Ion:	172	Resp:	8195
Ion	Ratio	Lower	Upper
172	100		
171	32.6	25.6	38.4
170	20.4	15.8	23.6



Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E



#10

Acenaphthylene

Concen: 0.81 ng

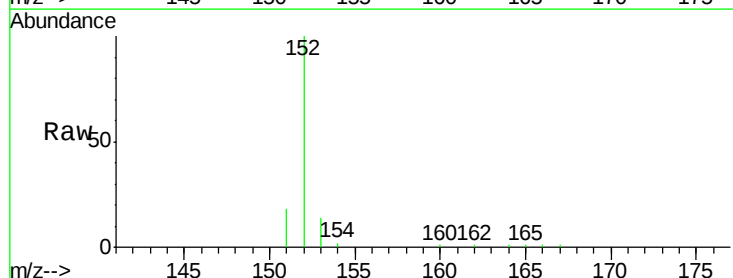
RT: 13.95 min Scan# 1391

Delta R.T. 0.00 min

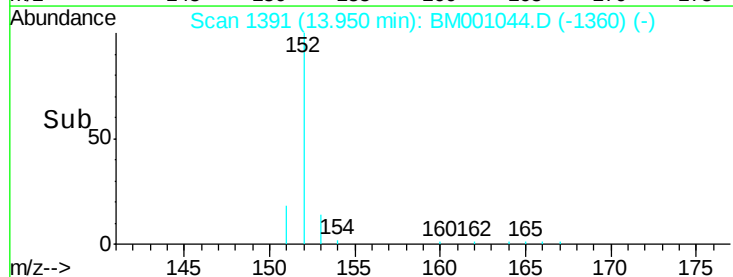
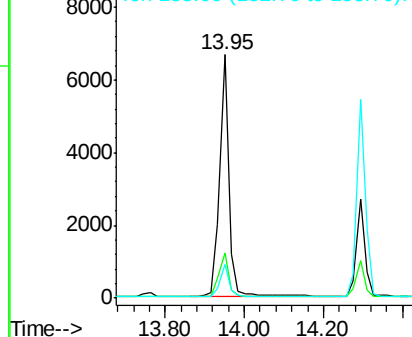
Lab File: BM001044.D

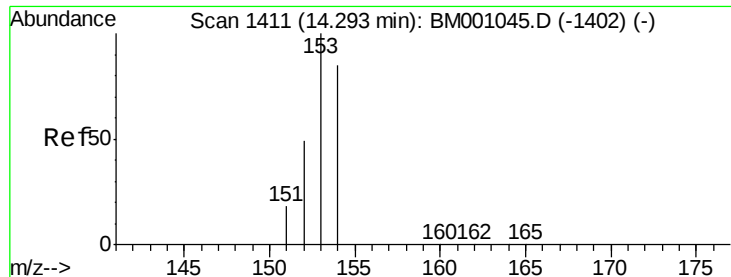
Acq: 17 Apr 2015 23:55

Tgt Ion:	152	Resp:	10730
Ion	Ratio	Lower	Upper
152	100		
151	18.6	14.7	22.1
153	13.0	10.2	15.2



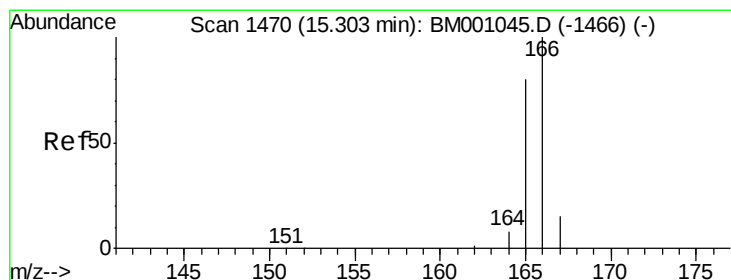
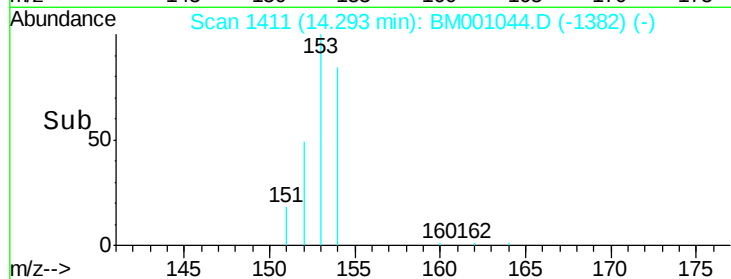
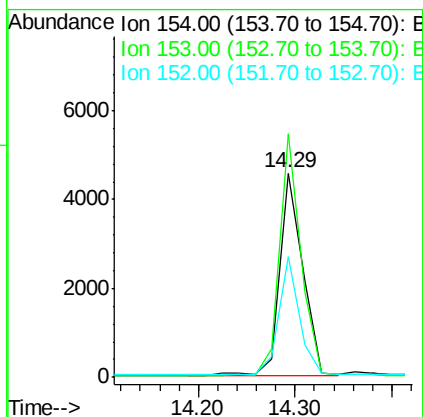
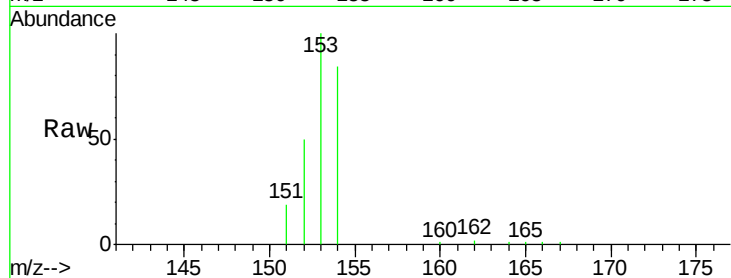
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





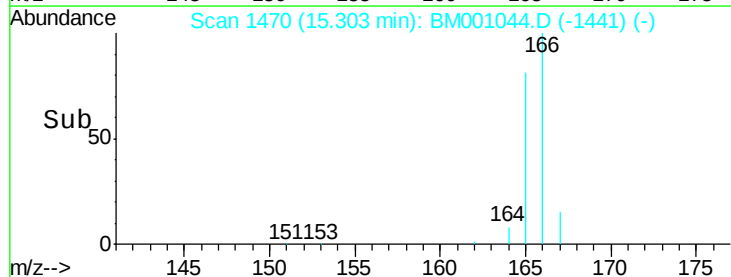
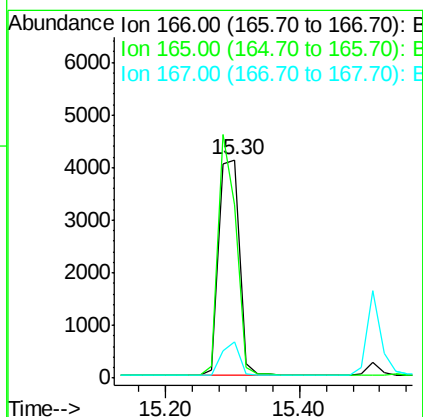
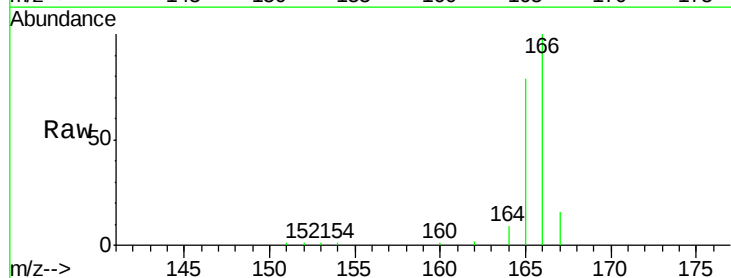
#11
Acenaphthene
Concen: 0.81 ng
RT: 14.29 min Scan# 1411
Delta R.T. 0.00 min
Lab File: BM001044.D
Acq: 17 Apr 2015 23:55

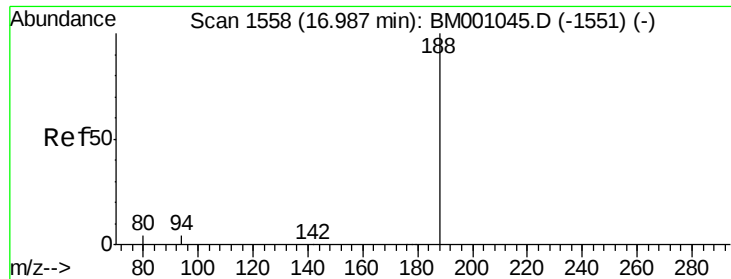
Tgt Ion:154 Resp: 7434
Ion Ratio Lower Upper
154 100
153 110.1 88.1 132.1
152 53.6 42.3 63.5



#12
Fluorene
Concen: 0.85 ng
RT: 15.30 min Scan# 1470
Delta R.T. 0.00 min
Lab File: BM001044.D
Acq: 17 Apr 2015 23:55

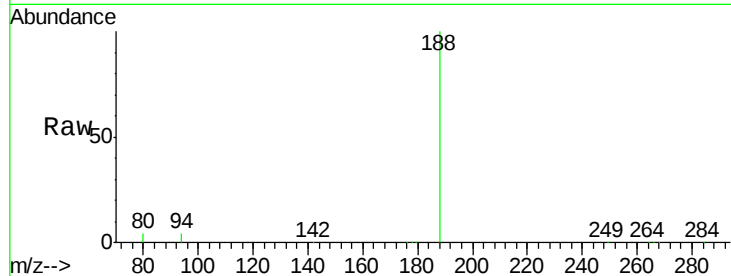
Tgt Ion:166 Resp: 8791
Ion Ratio Lower Upper
166 100
165 96.6 77.6 116.4
167 13.4 10.6 16.0



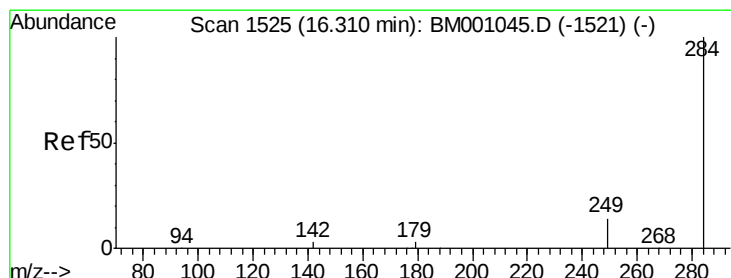
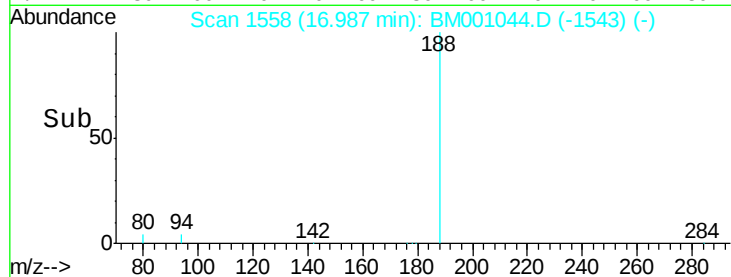
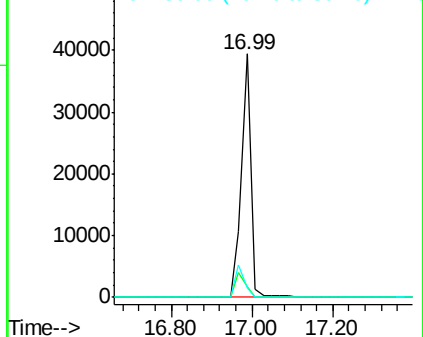


#13
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.99 min Scan# 1558
Delta R.T. 0.00 min
Lab File: BM001044.D
Acq: 17 Apr 2015 23:55

Tgt Ion:188 Resp: 64388
Ion Ratio Lower Upper
188 100
94 4.3 3.6 5.4
80 3.8 3.0 4.6

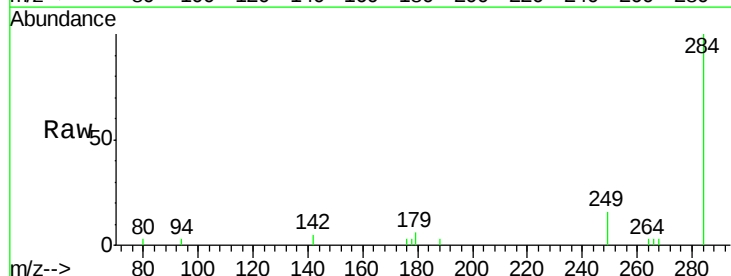


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): B
Ion 80.00 (79.70 to 80.70): B

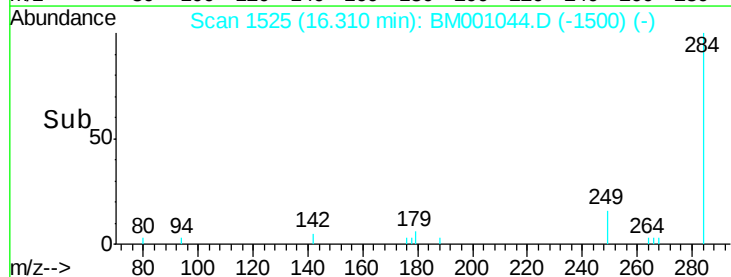
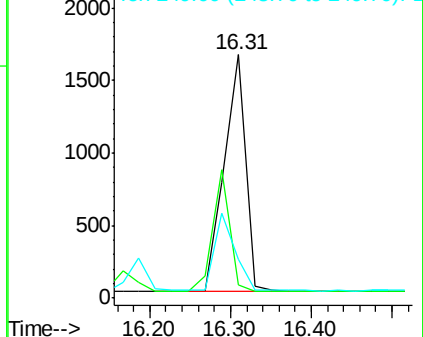


#14
Hexachlorobenzene
Concen: 0.80 ng
RT: 16.31 min Scan# 1525
Delta R.T. 0.00 min
Lab File: BM001044.D
Acq: 17 Apr 2015 23:55

Tgt Ion:284 Resp: 2989
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): B
Ion 249.00 (248.70 to 249.70): B

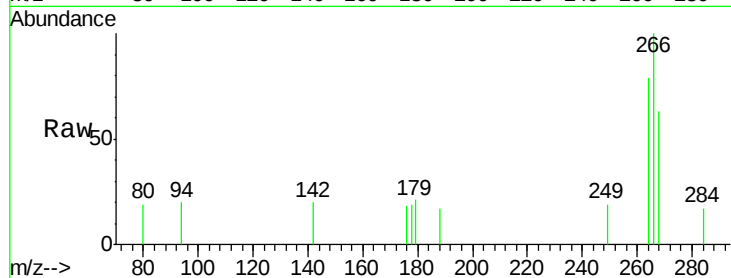




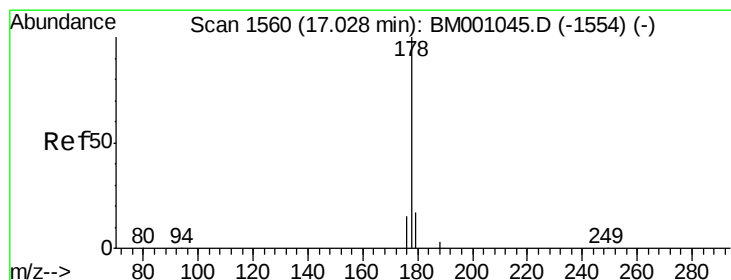
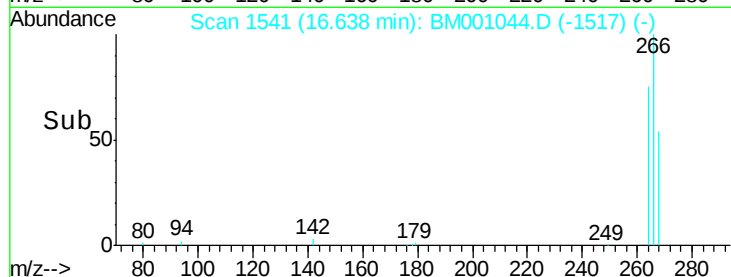
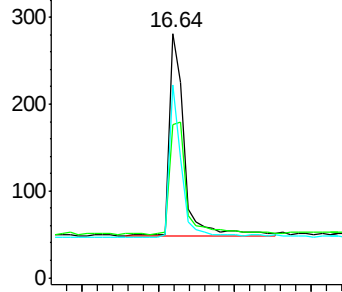
#15
 Pentachlorophenol
 Concen: 0.68 ng
 RT: 16.64 min Scan# 1541
 Delta R.T. 0.00 min
 Lab File: BM001044.D
 Acq: 17 Apr 2015 23:55

Tgt Ion: 266 Resp: 638

Ion	Ratio	Lower	Upper
266	100		
268	62.6	46.3	69.5
264	79.0	59.8	89.6



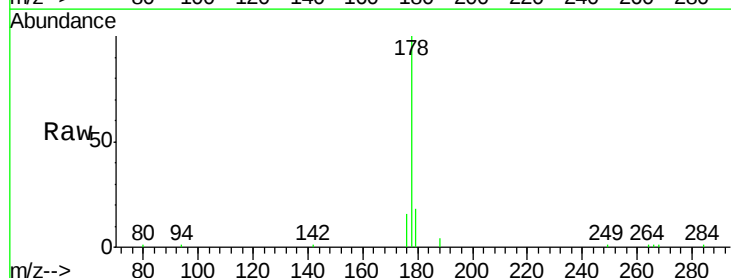
Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E



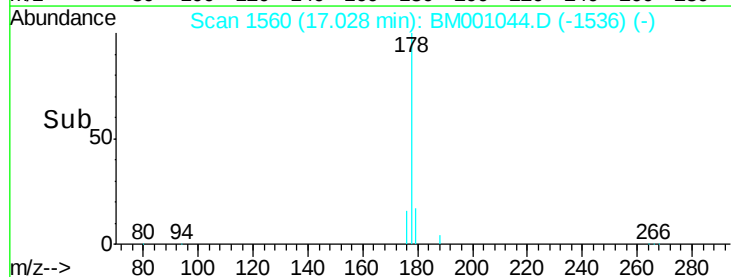
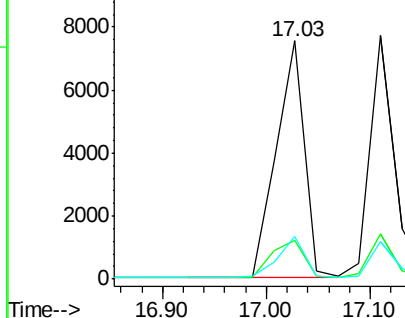
#16
 Phenanthrene
 Concen: 0.81 ng
 RT: 17.03 min Scan# 1560
 Delta R.T. 0.00 min
 Lab File: BM001044.D
 Acq: 17 Apr 2015 23:55

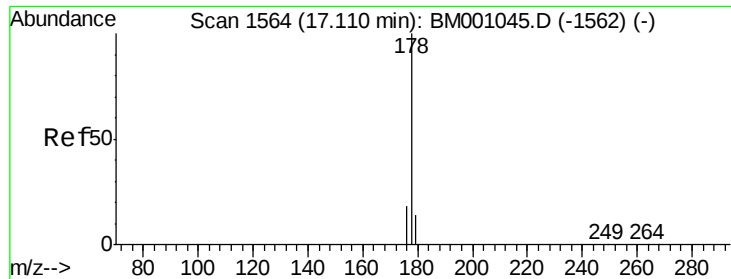
Tgt Ion: 178 Resp: 14182

Ion	Ratio	Lower	Upper
178	100		
176	18.2	14.6	22.0
179	16.1	12.6	19.0



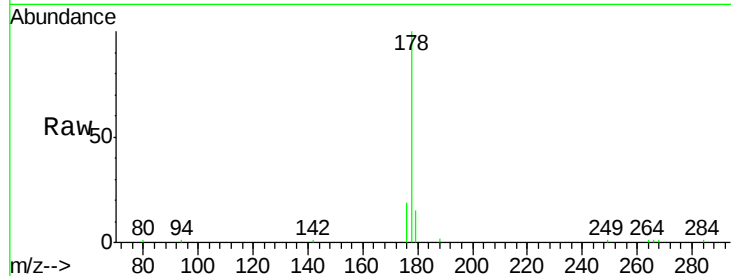
Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E



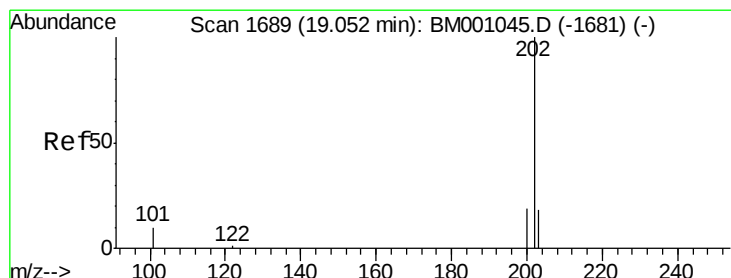
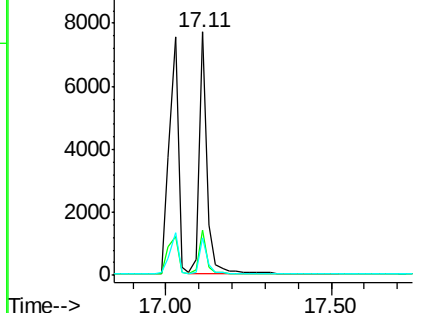
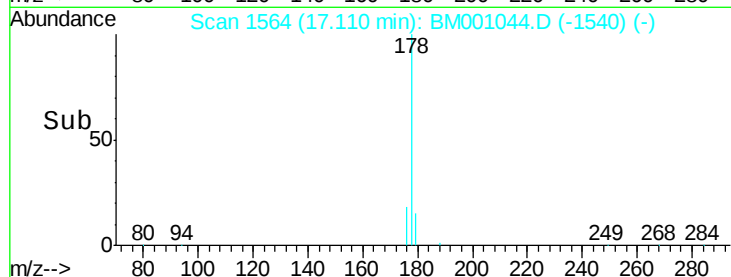


#17
 Anthracene
 Concen: 0.86 ng
 RT: 17.11 min Scan# 1564
 Delta R.T. 0.00 min
 Lab File: BM001044.D
 Acq: 17 Apr 2015 23:55

Tgt Ion:178 Resp: 12880
 Ion Ratio Lower Upper
 178 100
 176 18.1 14.3 21.5
 179 15.2 11.8 17.8

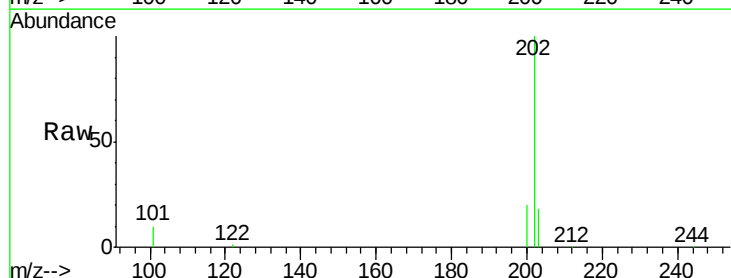


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

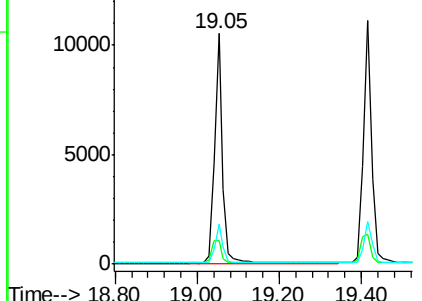
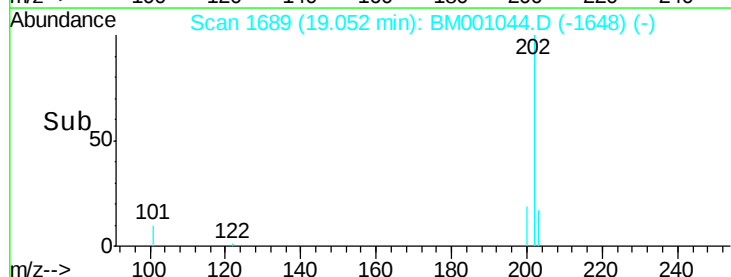


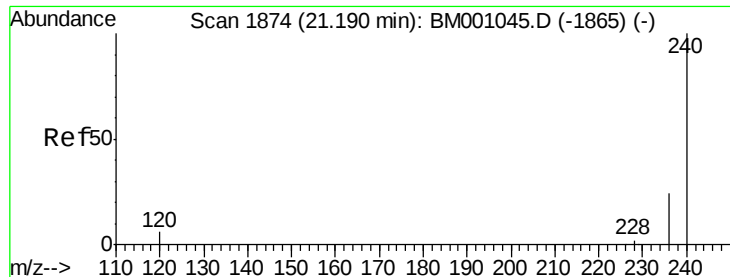
#18
 Fluoranthene
 Concen: 0.83 ng
 RT: 19.05 min Scan# 1689
 Delta R.T. 0.00 min
 Lab File: BM001044.D
 Acq: 17 Apr 2015 23:55

Tgt Ion:202 Resp: 14524
 Ion Ratio Lower Upper
 202 100
 101 12.6 10.1 15.1
 203 16.9 13.8 20.8



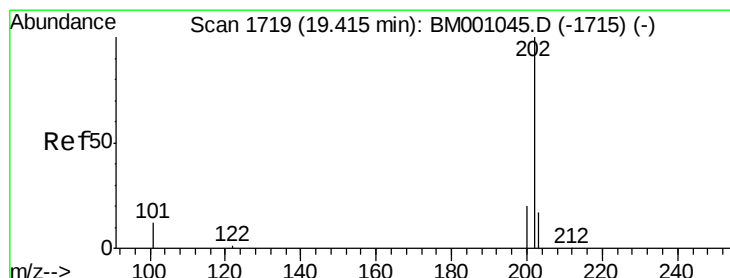
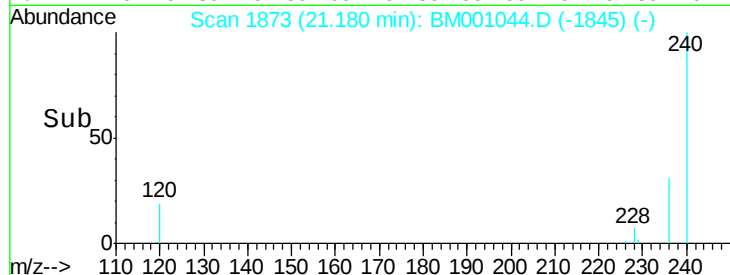
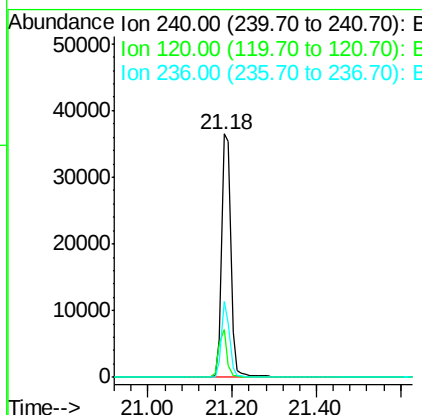
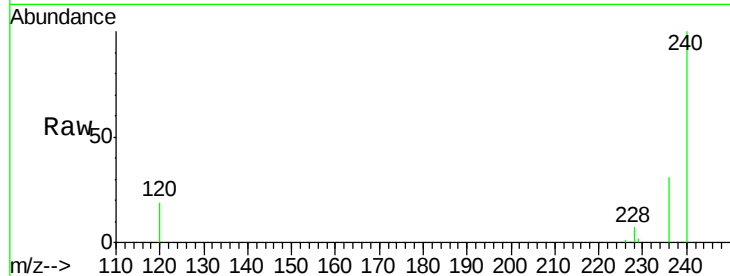
Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E





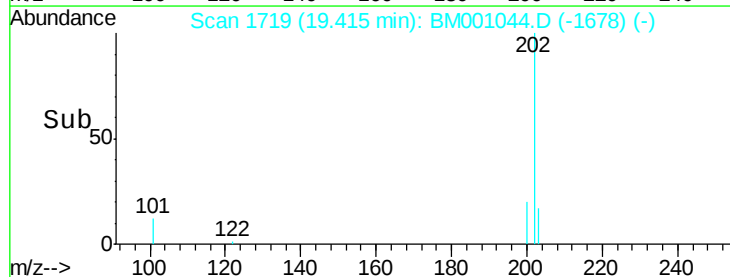
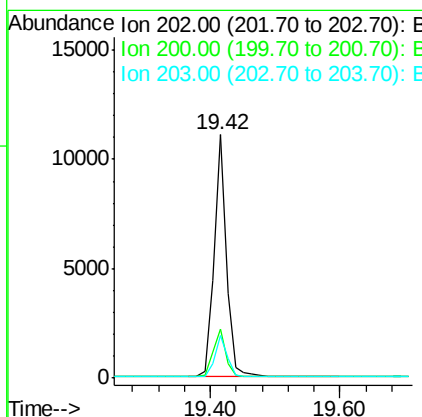
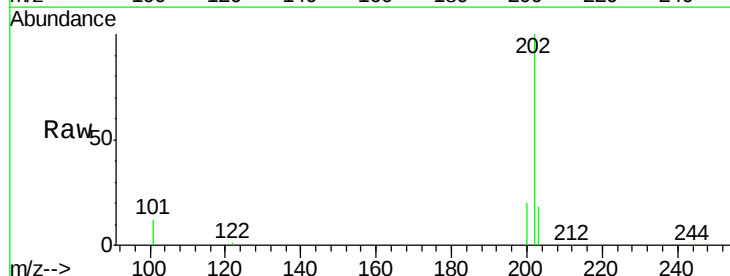
#19
Chrysene-d12
Concen: 5.00 ng
RT: 21.18 min Scan# 1873
Delta R.T. -0.01 min
Lab File: BM001044.D
Acq: 17 Apr 2015 23:55

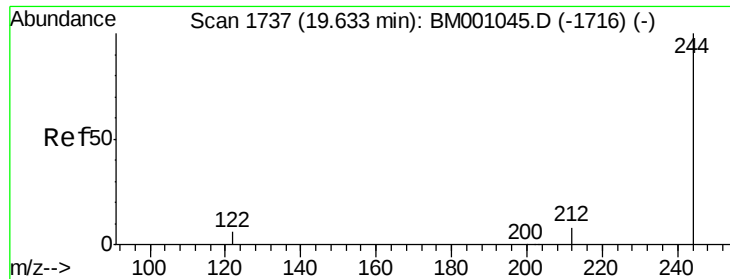
Tgt Ion: 240 Resp: 55030
Ion Ratio Lower Upper
240 100
120 19.4 4.6 6.8#
236 31.0 19.1 28.7#



#20
Pyrene
Concen: 0.84 ng
RT: 19.42 min Scan# 1719
Delta R.T. 0.00 min
Lab File: BM001044.D
Acq: 17 Apr 2015 23:55

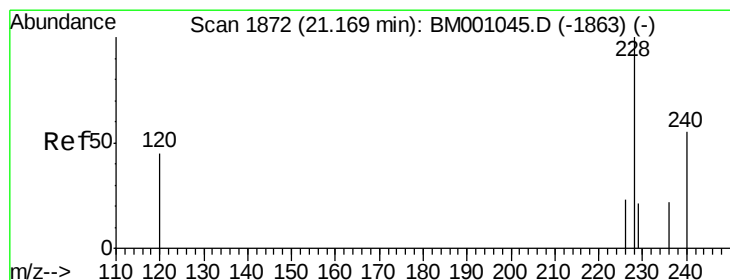
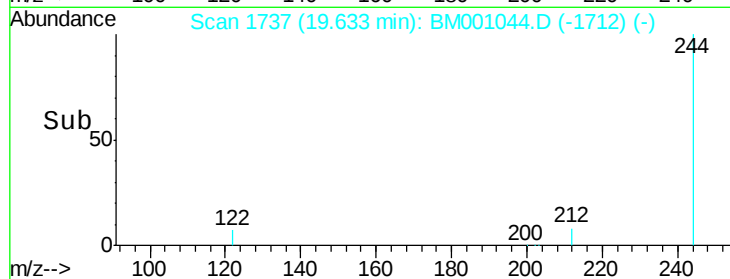
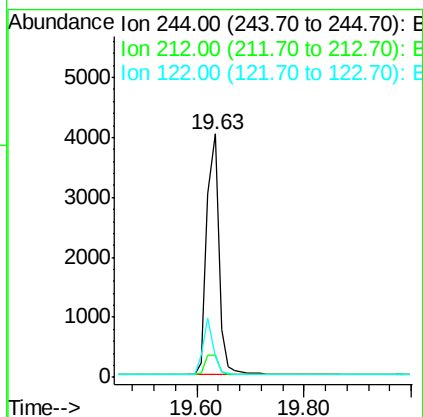
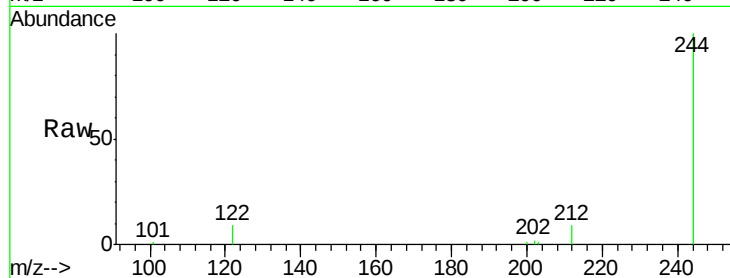
Tgt Ion: 202 Resp: 14993
Ion Ratio Lower Upper
202 100
200 20.4 16.3 24.5
203 17.5 13.8 20.6





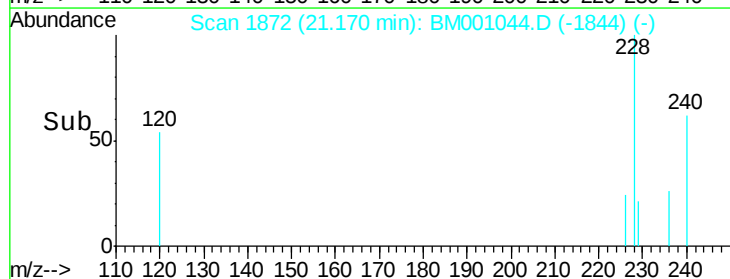
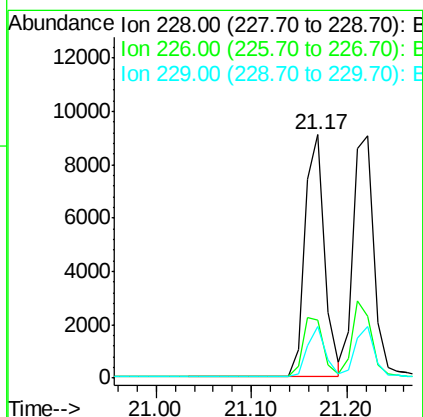
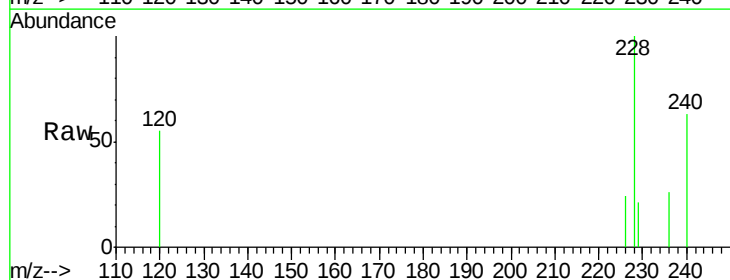
#21
 Terphenyl-d14
 Concen: 0.91 ng
 RT: 19.63 min Scan# 1737
 Delta R.T. 0.00 min
 Lab File: BM001044.D
 Acq: 17 Apr 2015 23:55

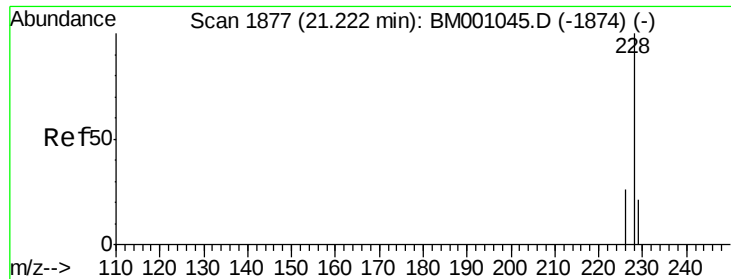
Tgt Ion: 244 Resp: 6076
 Ion Ratio Lower Upper
 244 100
 212 9.3 7.1 10.7
 122 8.6 5.9 8.9



#22
 Benzo(a)anthracene
 Concen: 0.81 ng
 RT: 21.17 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: BM001044.D
 Acq: 17 Apr 2015 23:55

Tgt Ion: 228 Resp: 12816
 Ion Ratio Lower Upper
 228 100
 226 24.0 19.0 28.6
 229 21.3 16.8 25.2





#23

Chrysene

Concen: 0.86 ng

RT: 21.22 min Scan# 1877

Delta R.T. 0.00 min

Lab File: BM001044.D

Acq: 17 Apr 2015 23:55

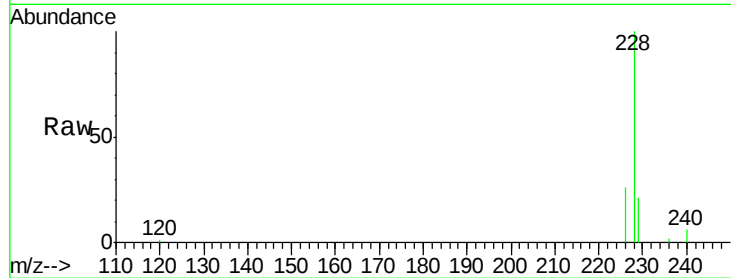
Tgt Ion: 228 Resp: 14083

Ion Ratio Lower Upper

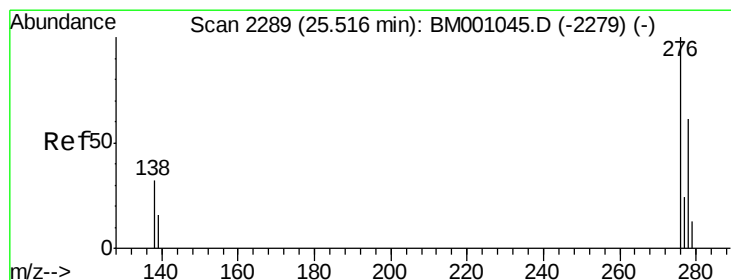
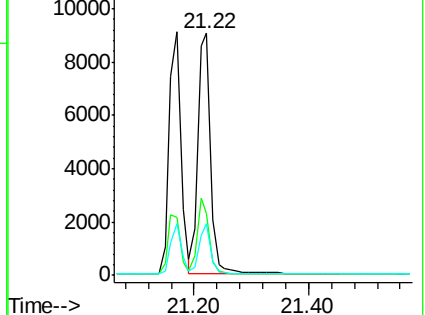
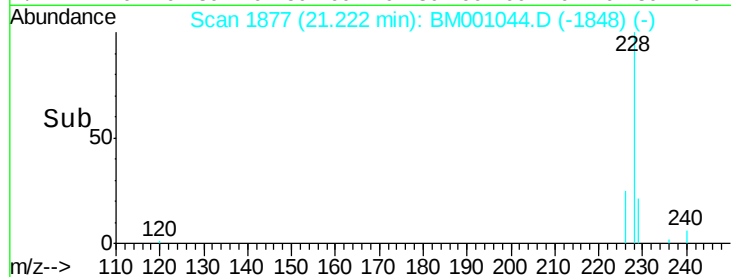
228 100

226 25.5 20.6 31.0

229 21.5 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: 0.83 ng

RT: 25.52 min Scan# 2289

Delta R.T. 0.00 min

Lab File: BM001044.D

Acq: 17 Apr 2015 23:55

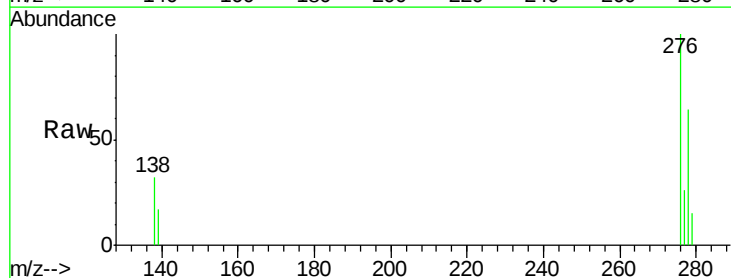
Tgt Ion: 276 Resp: 14235

Ion Ratio Lower Upper

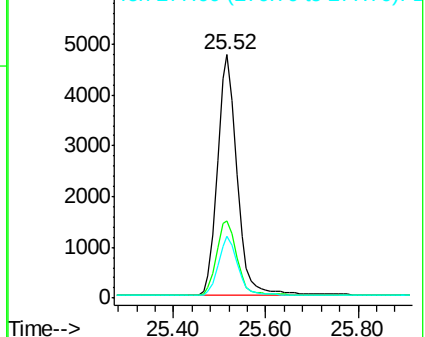
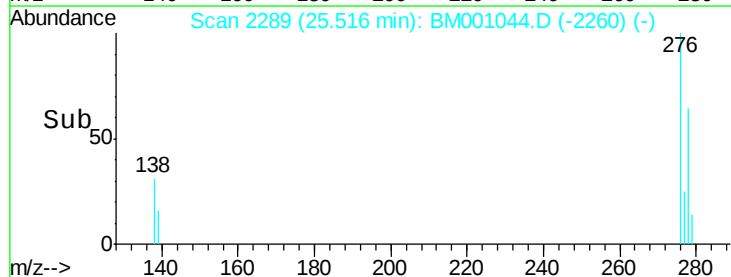
276 100

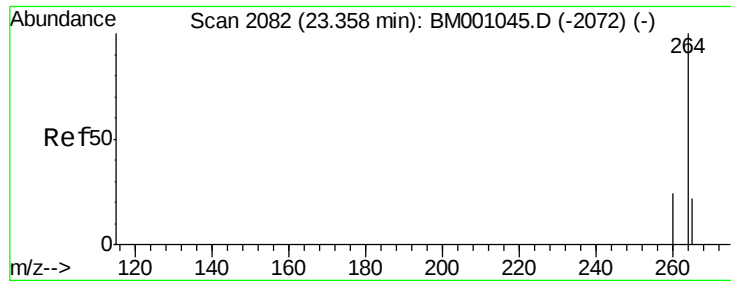
138 32.7 26.3 39.5

277 24.6 19.5 29.3



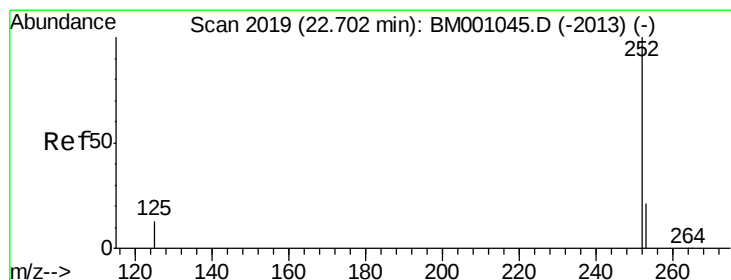
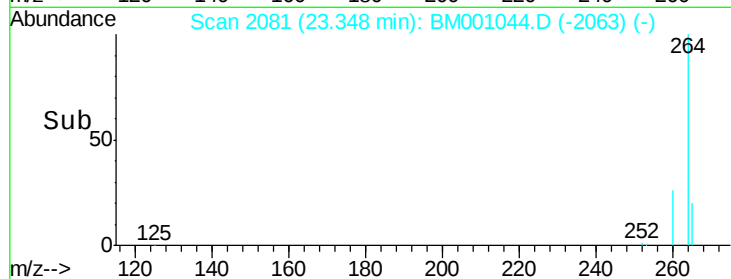
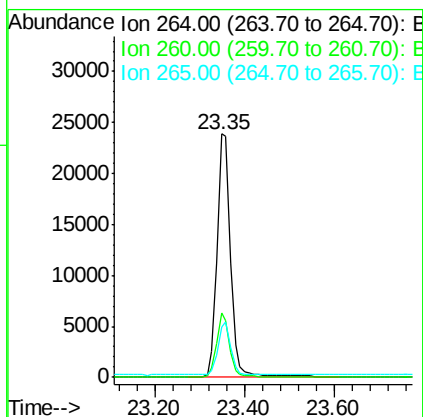
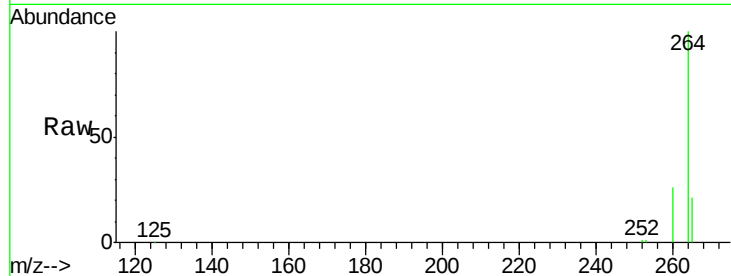
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





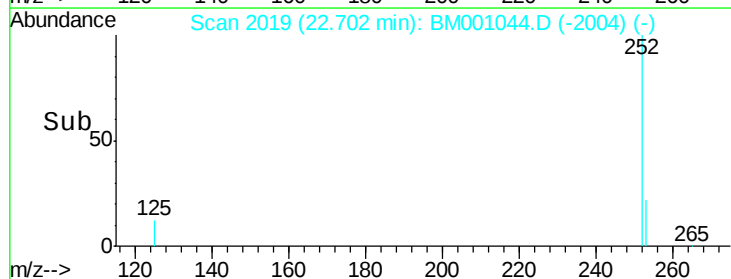
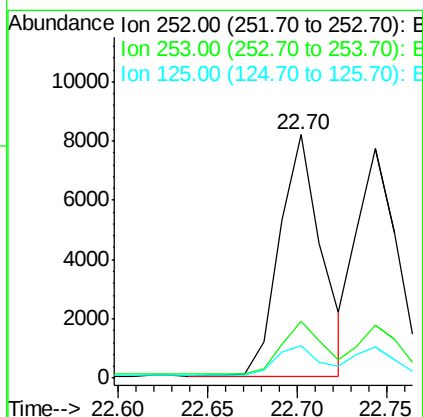
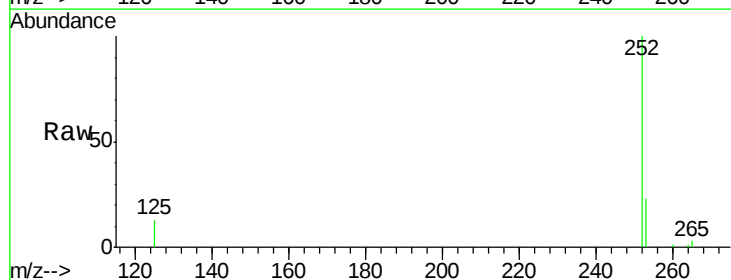
#25
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.35 min Scan# 2081
 Delta R.T. -0.01 min
 Lab File: BM001044.D
 Acq: 17 Apr 2015 23:55

Tgt Ion: 264 Resp: 49425
 Ion Ratio Lower Upper
 264 100
 260 26.4 19.0 28.6
 265 20.8 17.9 26.9



#26
 Benzo(b)fluoranthene
 Concen: 0.85 ng
 RT: 22.70 min Scan# 2019
 Delta R.T. 0.00 min
 Lab File: BM001044.D
 Acq: 17 Apr 2015 23:55

Tgt Ion: 252 Resp: 13261
 Ion Ratio Lower Upper
 252 100
 253 23.3 18.2 27.2
 125 13.3 10.9 16.3





#27

Benzo(k)fluoranthene

Concen: 0.85 ng

RT: 22.74 min Scan# 2023

Delta R.T. 0.00 min

Lab File: BM001044.D

Acq: 17 Apr 2015 23:55

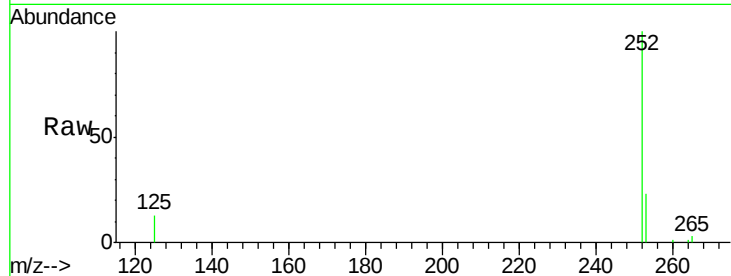
Tgt Ion:252 Resp: 12676

Ion Ratio Lower Upper

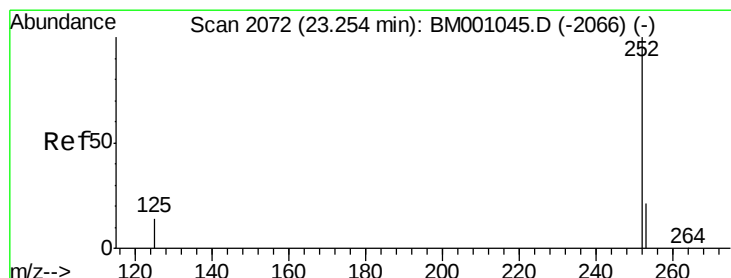
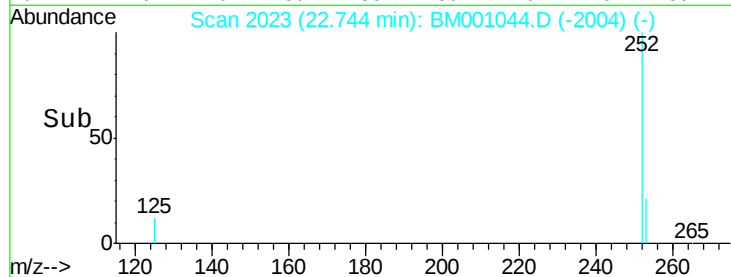
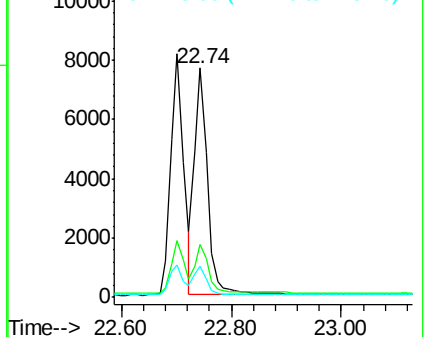
252 100

253 23.0 18.3 27.5

125 13.4 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: 0.84 ng

RT: 23.25 min Scan# 2072

Delta R.T. 0.00 min

Lab File: BM001044.D

Acq: 17 Apr 2015 23:55

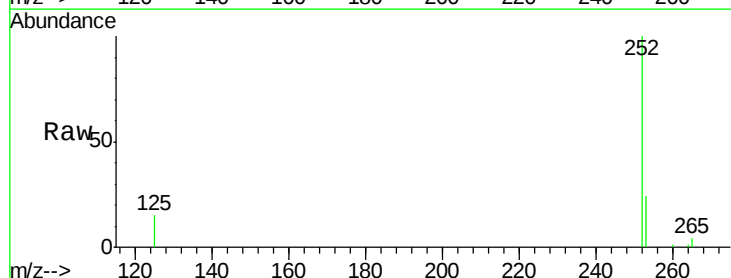
Tgt Ion:252 Resp: 11212

Ion Ratio Lower Upper

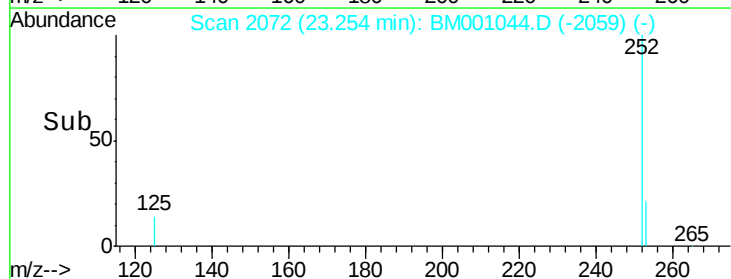
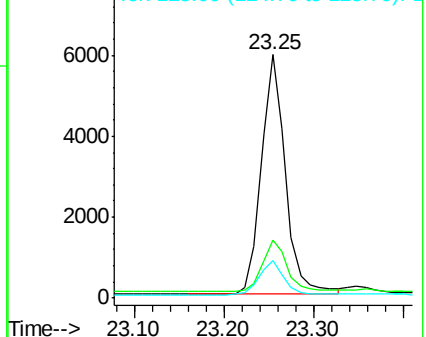
252 100

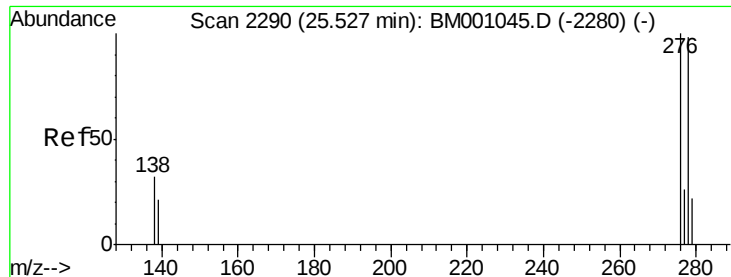
253 23.8 18.6 27.8

125 15.2 11.9 17.9



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





#29

Dibenzo(a,h)anthracene

Concen: 0.85 ng

RT: 25.53 min Scan# 2290

Delta R.T. 0.00 min

Lab File: BM001044.D

Acq: 17 Apr 2015 23:55

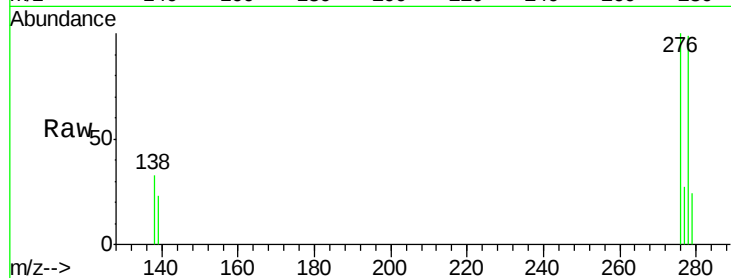
Tgt Ion: 278 Resp: 11260

Ion Ratio Lower Upper

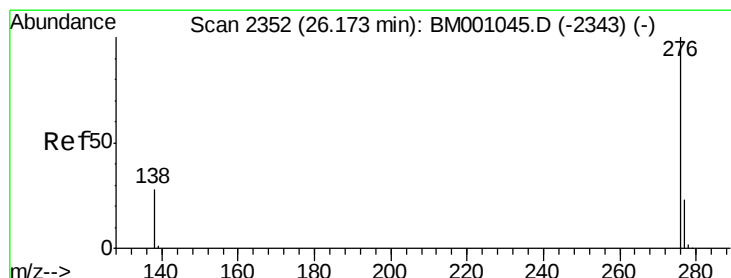
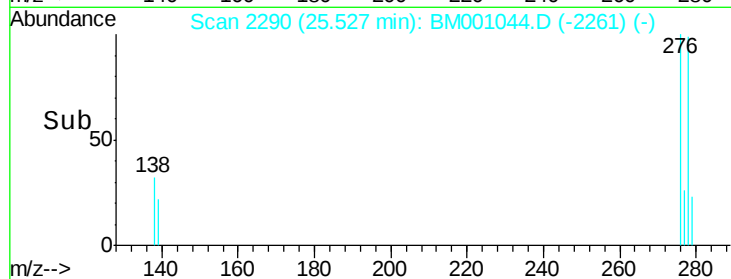
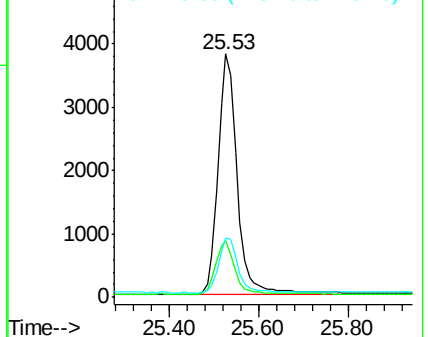
278 100

139 23.1 18.2 27.2

279 24.5 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: 0.85 ng

RT: 26.17 min Scan# 2352

Delta R.T. 0.00 min

Lab File: BM001044.D

Acq: 17 Apr 2015 23:55

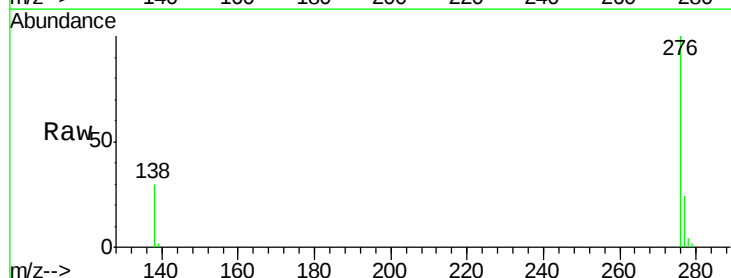
Tgt Ion: 276 Resp: 12102

Ion Ratio Lower Upper

276 100

277 24.0 19.0 28.4

138 29.7 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

