

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM041815\
 Data File : BM001043.D
 Acq On : 17 Apr 2015 23:20
 Operator : TP/IZ
 Sample : SSTDICC0.5
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: Apr 18 05:59:13 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

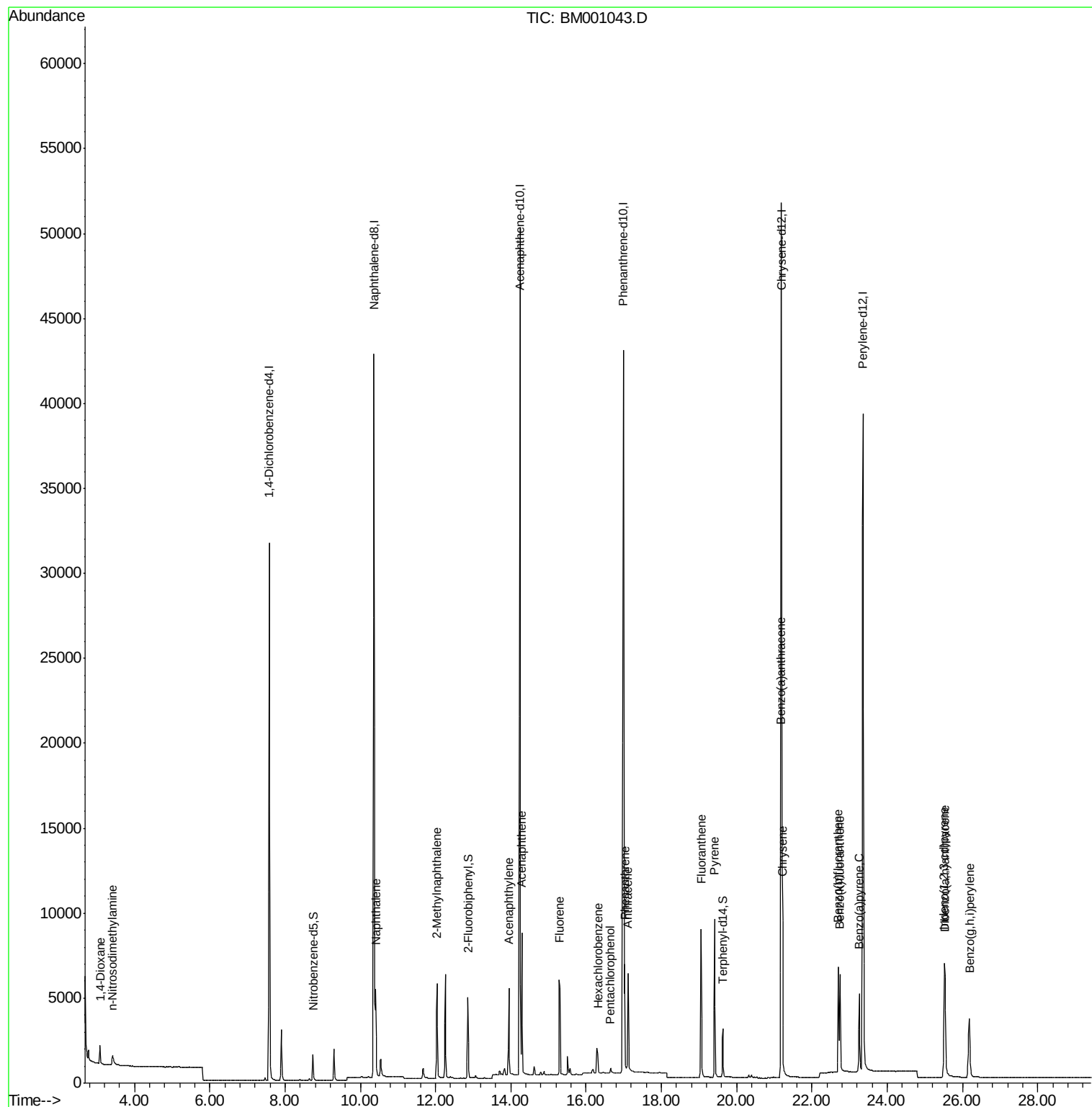
Response via : Initial Calibration

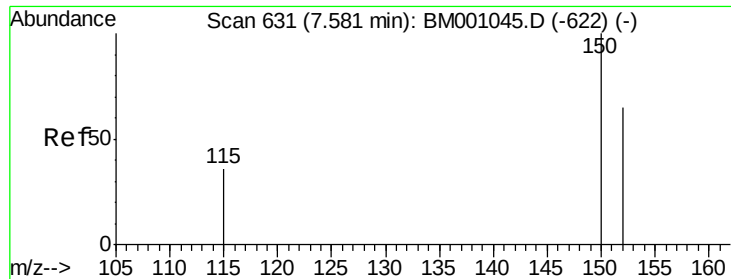
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.58	152	16076	5.00	ng	0.00
4) Naphthalene-d8	10.36	136	57186	5.00	ng	0.00
8) Acenaphthene-d10	14.24	164	29792	5.00	ng	0.00
13) Phenanthrene-d10	16.99	188	64022	5.00	ng	0.00
19) Chrysene-d12	21.19	240	55201	5.00	ng	0.00
25) Perylene-d12	23.36	264	50133	5.00	ng	0.00
System Monitoring Compounds						
5) Nitrobenzene-d5	8.74	82	1443	0.50	ng	0.00
9) 2-Fluorobiphenyl	12.86	172	4920	0.53	ng	0.00
21) Terphenyl-d14	19.63	244	3617	0.54	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.08	88	1105	0.81	ng	# 100
3) n-Nitrosodimethylamine	3.42	42	856	0.57	ng	# 95
6) Naphthalene	10.41	128	6818	0.51	ng	99
7) 2-Methylnaphthalene	12.04	142	4373	0.52	ng	98
10) Acenaphthylene	13.95	152	6276	0.48	ng	99
11) Acenaphthene	14.29	154	4502	0.49	ng	99
12) Fluorene	15.30	166	5187	0.51	ng	100
14) Hexachlorobenzene	16.31	284	1747	0.47	ng	# 100
15) Pentachlorophenol	16.64	266	352	0.38	ng	91
16) Phenanthrene	17.03	178	8528	0.49	ng	100
17) Anthracene	17.11	178	7578	0.51	ng	99
18) Fluoranthene	19.05	202	8607	0.49	ng	100
20) Pyrene	19.42	202	8985	0.50	ng	100
22) Benzo(a)anthracene	21.17	228	7520	0.48	ng	99
23) Chrysene	21.22	228	8573	0.52	ng	99
24) Indeno(1,2,3-cd)pyrene	25.52	276	8448	0.49	ng	100
26) Benzo(b)fluoranthene	22.70	252	7560	0.48	ng	98
27) Benzo(k)fluoranthene	22.74	252	7787	0.51	ng	98
28) Benzo(a)pyrene	23.25	252	6630	0.49	ng	97
29) Dibenzo(a,h)anthracene	25.54	278	6644	0.50	ng	97
30) Benzo(g,h,i)perylene	26.18	276	7249	0.50	ng	98

(#) = 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: BM001043.D

Acq: 17 Apr 2015 23:20

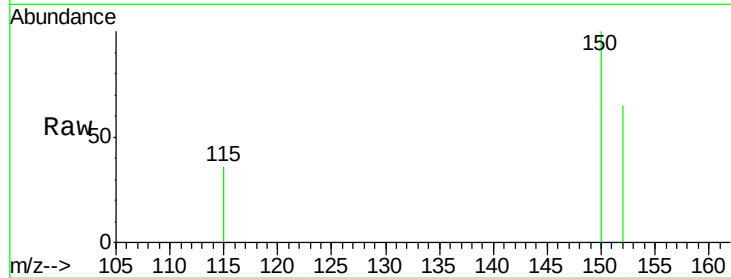
Tgt Ion: 152 Resp: 16076

Ion Ratio Lower Upper

152 100

150 153.4 123.3 184.9

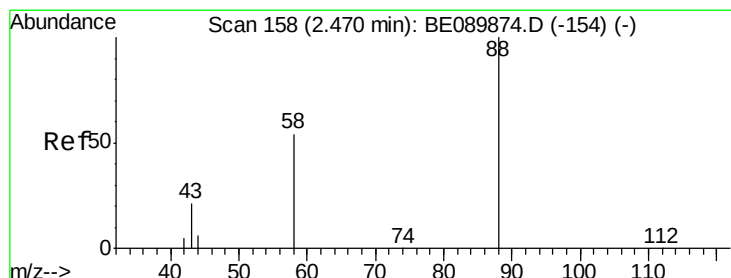
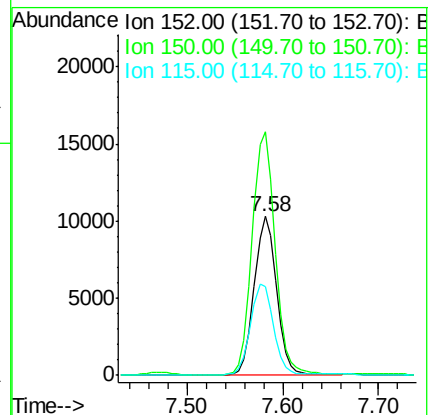
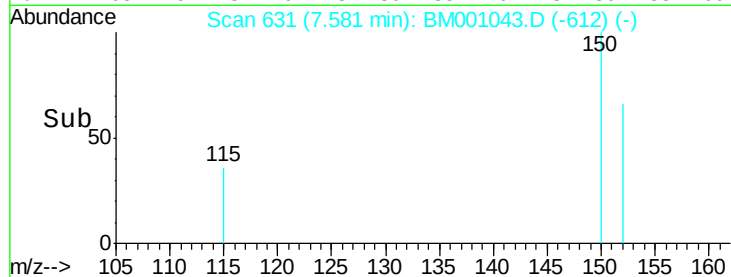
115 55.9 45.0 67.6



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: 0.81 ng

RT: 3.08 min Scan# 39

Delta R.T. 0.00 min

Lab File: BM001043.D

Acq: 17 Apr 2015 23:20

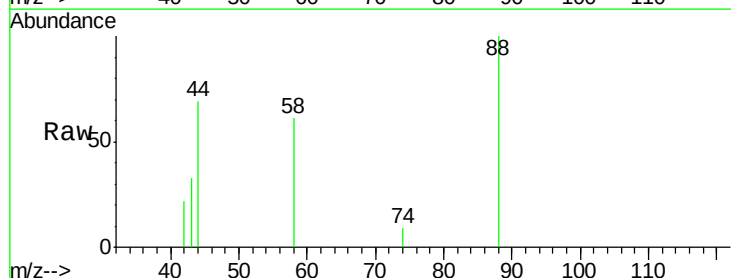
Tgt Ion: 88 Resp: 1105

Ion Ratio Lower Upper

88 100

58 57.6 0.0 0.0#

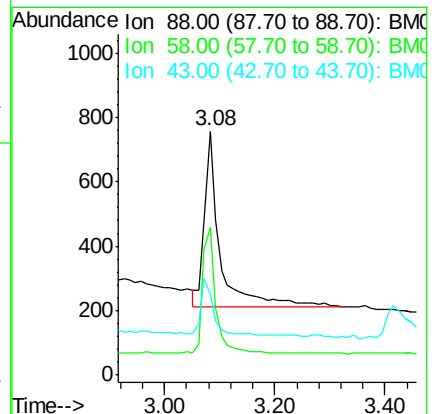
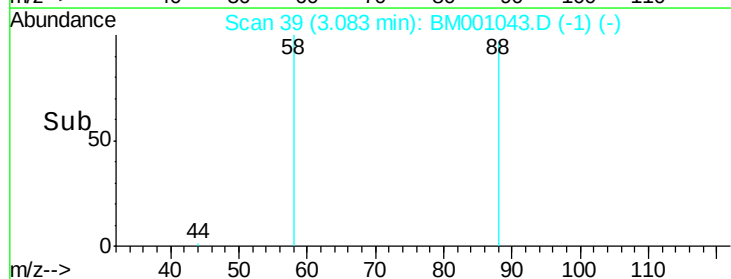
43 25.2 0.0 0.0#

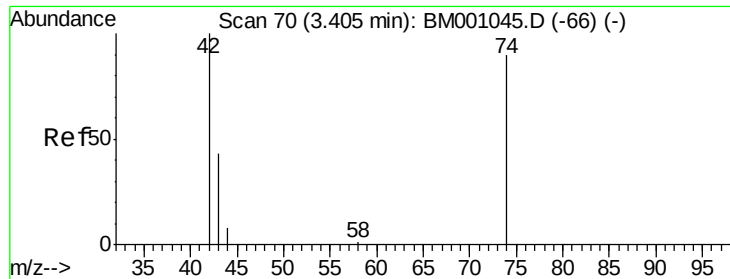


Abundance Ion 88.00 (87.70 to 88.70): BM0

Ion 58.00 (57.70 to 58.70): BM0

Ion 43.00 (42.70 to 43.70): BM0





#3

n-Nitrosodimethylamine

Concen: 0.57 ng

RT: 3.42 min Scan# 71

Delta R.T. 0.01 min

Lab File: BM001043.D

Acq: 17 Apr 2015 23:20

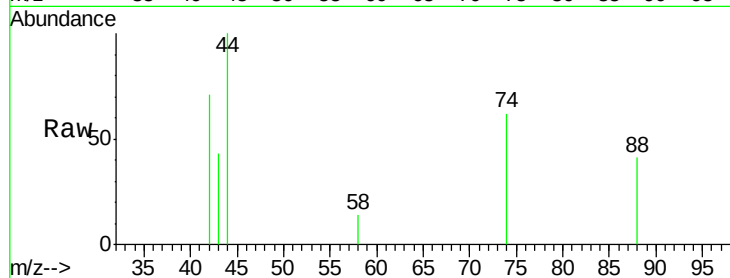
Tgt Ion: 42 Resp: 856

Ion Ratio Lower Upper

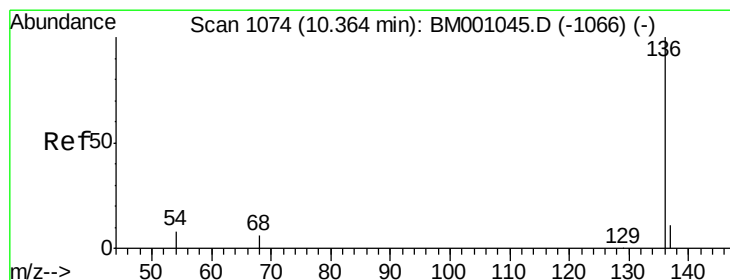
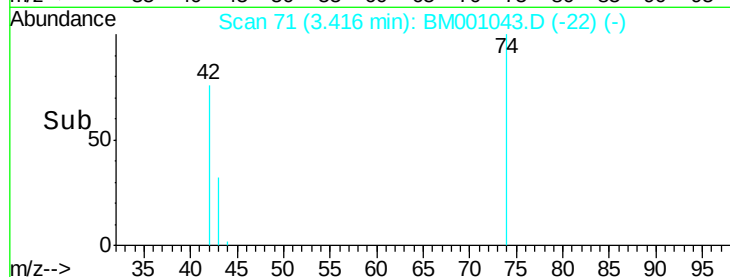
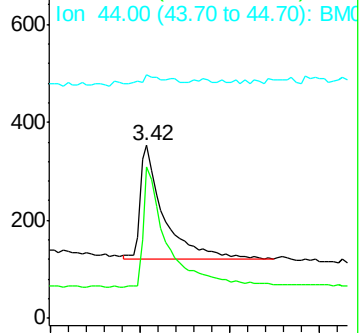
42 100

74 109.6 92.1 138.1

44 5.1 5.8 8.6#



Abundance Ion 42.00 (41.70 to 42.70): BM001043.D (-22) (-)



#4

Naphthalene-d8

Concen: 5.00 ng

RT: 10.36 min Scan# 1074

Delta R.T. 0.00 min

Lab File: BM001043.D

Acq: 17 Apr 2015 23:20

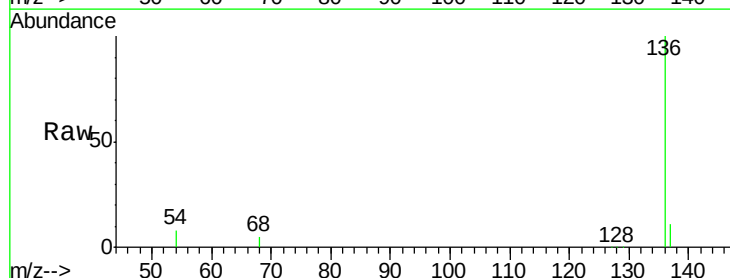
Tgt Ion: 136 Resp: 57186

Ion Ratio Lower Upper

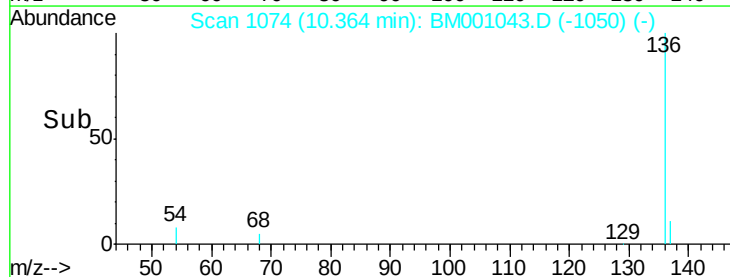
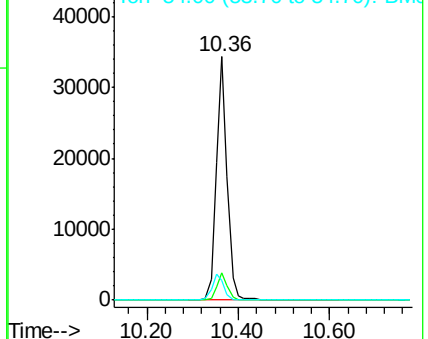
136 100

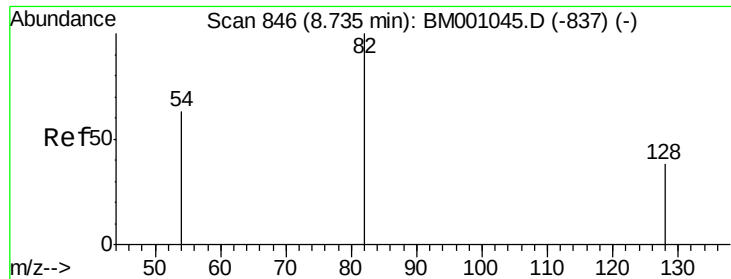
137 11.0 8.6 13.0

54 8.0 6.5 9.7



Abundance Ion 136.00 (135.70 to 136.70): BM001043.D (-1050) (-)





#5

Nitrobenzene-d5

Concen: 0.50 ng

RT: 8.74 min Scan# 847

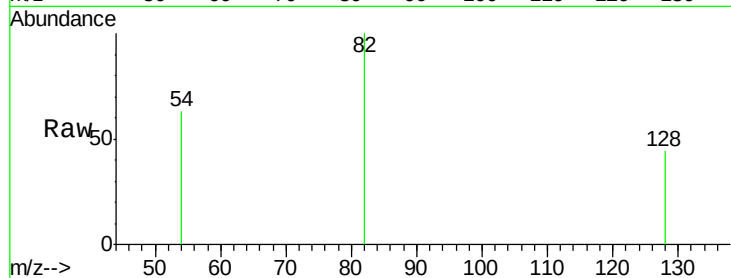
Delta R.T. 0.01 min

Lab File: BM001043.D

Acq: 17 Apr 2015 23:20

Tgt Ion: 82 Resp: 1443

Ion	Ratio	Lower	Upper
82	100		
128	43.8	31.9	47.9
54	62.7	51.3	76.9

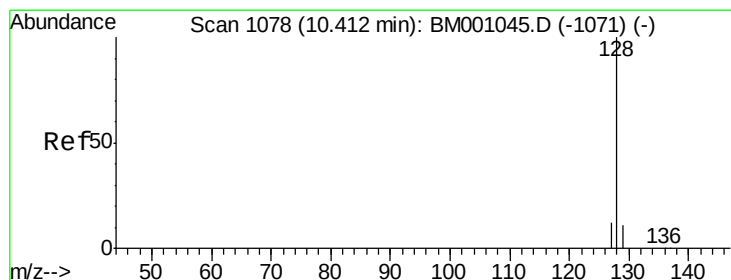
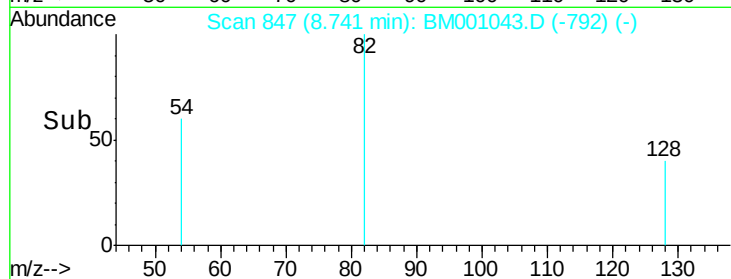
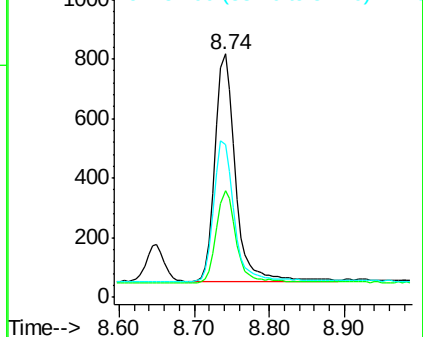


Abundance

Ion 82.00 (81.70 to 82.70): BM001043.D (-1053) (-)

Ion 128.00 (127.70 to 128.70): BM001043.D (-1053) (-)

Ion 54.00 (53.70 to 54.70): BM001043.D (-1053) (-)



#6

Naphthalene

Concen: 0.51 ng

RT: 10.41 min Scan# 1078

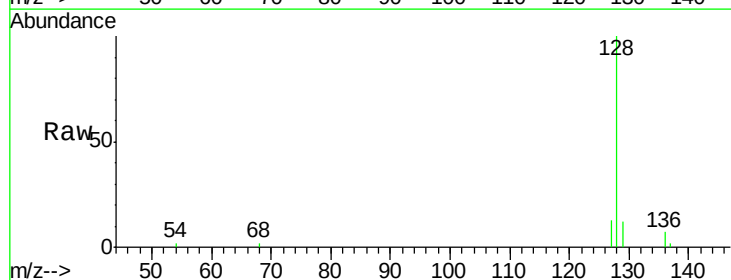
Delta R.T. 0.00 min

Lab File: BM001043.D

Acq: 17 Apr 2015 23:20

Tgt Ion: 128 Resp: 6818

Ion	Ratio	Lower	Upper
128	100		
129	11.9	9.3	13.9
127	13.0	10.0	15.0

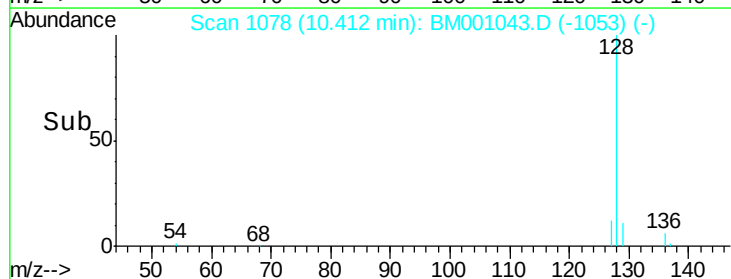
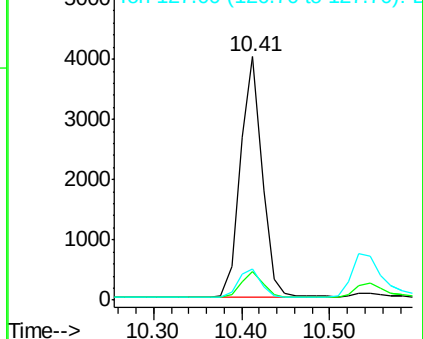


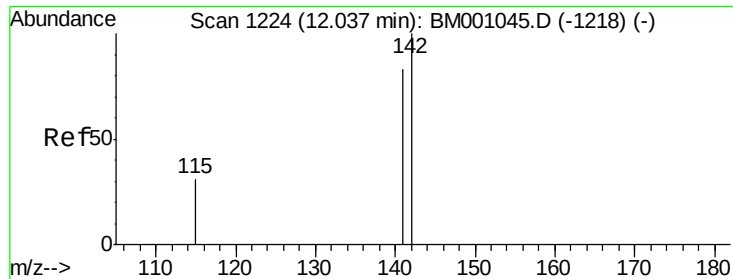
Abundance

Ion 128.00 (127.70 to 128.70): BM001043.D (-1053) (-)

Ion 129.00 (128.70 to 129.70): BM001043.D (-1053) (-)

Ion 127.00 (126.70 to 127.70): BM001043.D (-1053) (-)





#7

2-Methylnaphthalene

Concen: 0.52 ng

RT: 12.04 min Scan# 1224

Delta R.T. 0.00 min

Lab File: BM001043.D

Acq: 17 Apr 2015 23:20

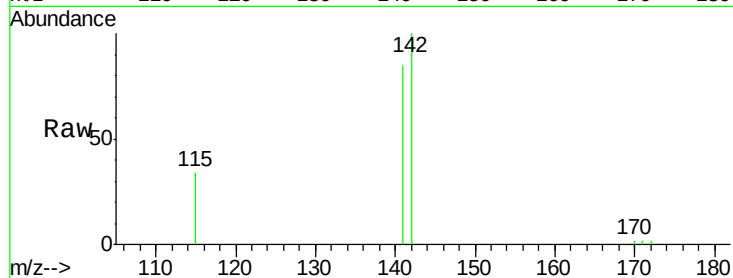
Tgt Ion:142 Resp: 4373

Ion Ratio Lower Upper

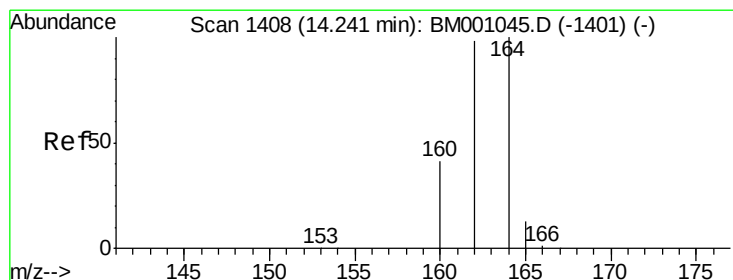
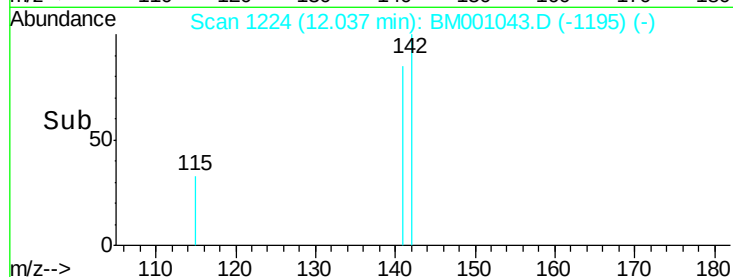
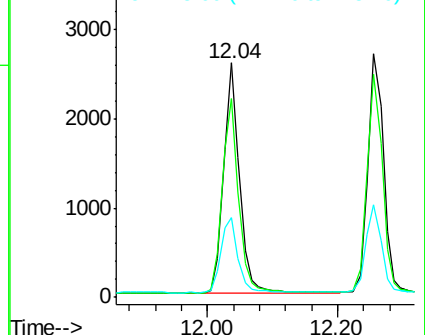
142 100

141 84.8 66.7 100.1

115 33.9 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: BM001043.D

Acq: 17 Apr 2015 23:20

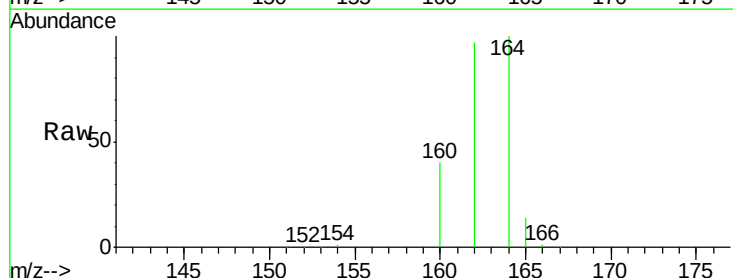
Tgt Ion:164 Resp: 29792

Ion Ratio Lower Upper

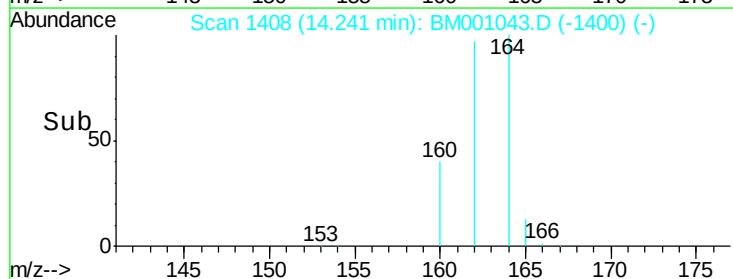
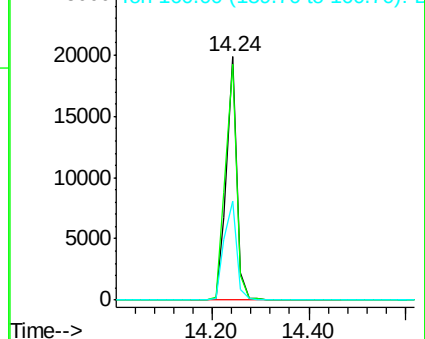
164 100

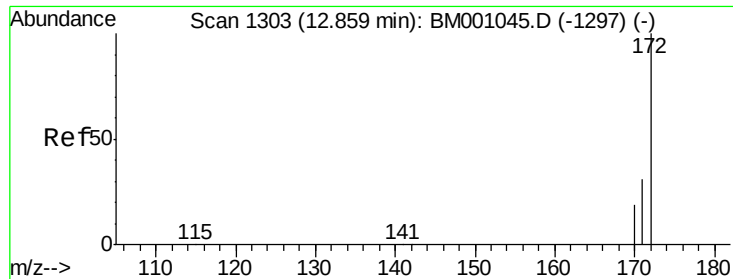
162 96.7 78.5 117.7

160 40.5 32.9 49.3



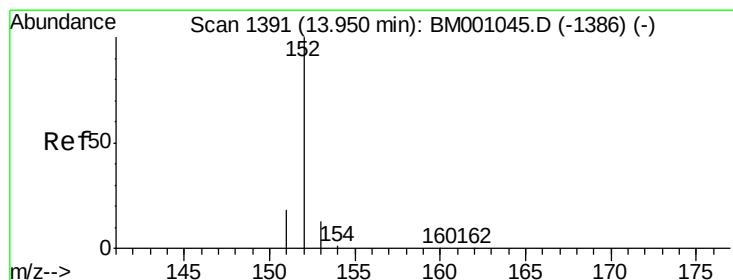
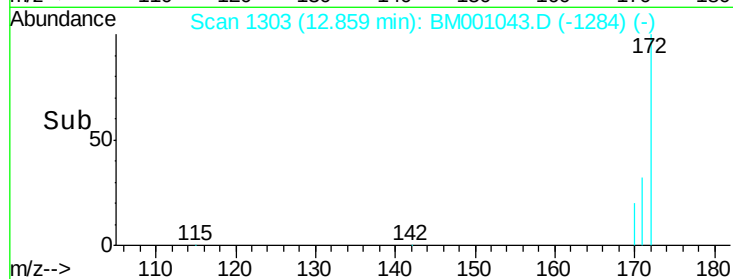
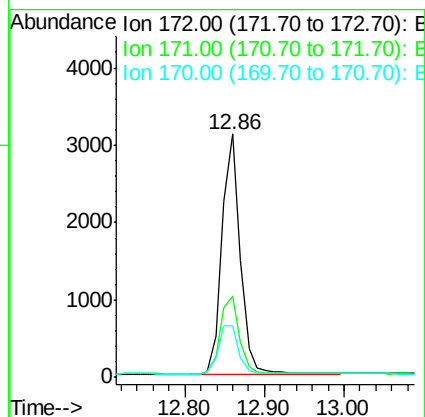
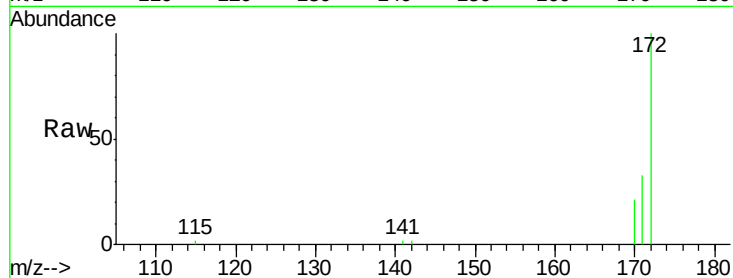
Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E





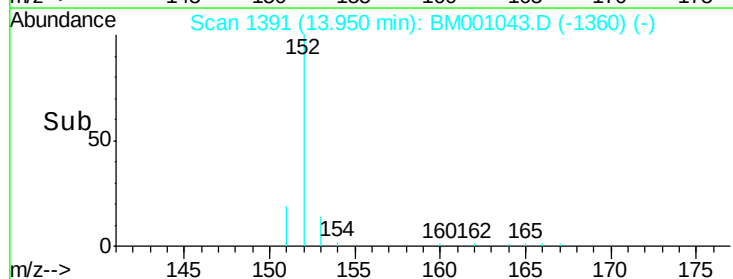
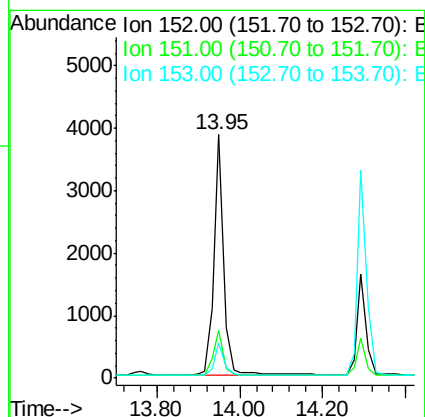
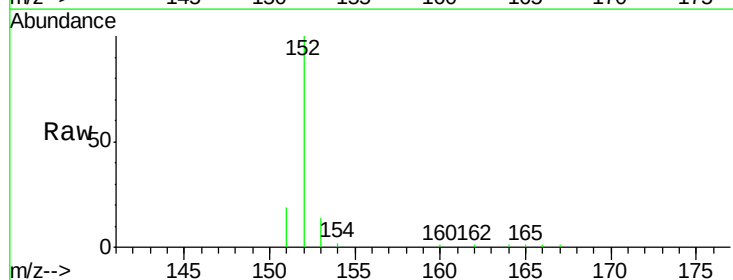
#9
2-Fluorobiphenyl
Concen: 0.53 ng
RT: 12.86 min Scan# 1303
Delta R.T. 0.00 min
Lab File: BM001043.D
Acq: 17 Apr 2015 23:20

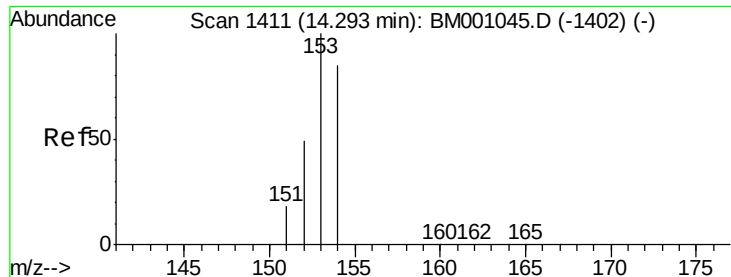
Tgt Ion:172 Resp: 4920
Ion Ratio Lower Upper
172 100
171 33.4 25.6 38.4
170 21.2 15.8 23.6



#10
Acenaphthylene
Concen: 0.48 ng
RT: 13.95 min Scan# 1391
Delta R.T. 0.00 min
Lab File: BM001043.D
Acq: 17 Apr 2015 23:20

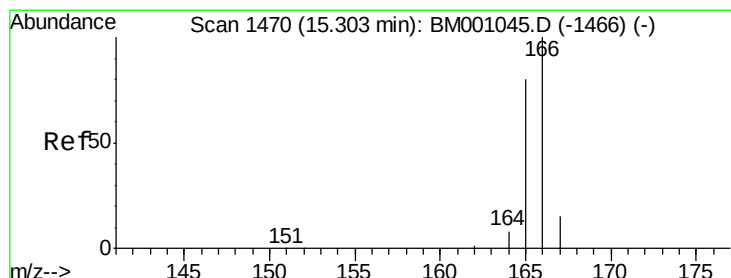
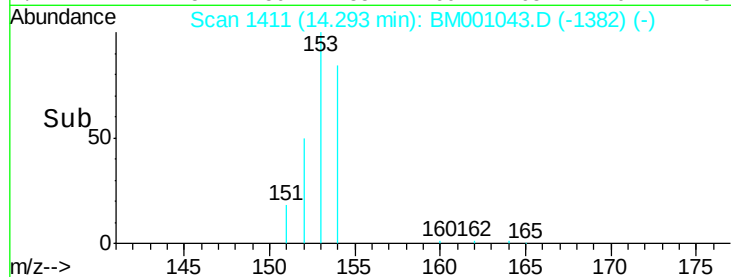
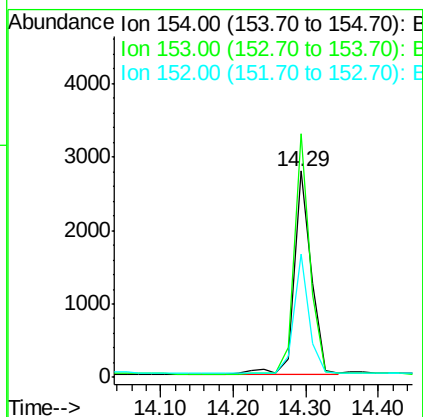
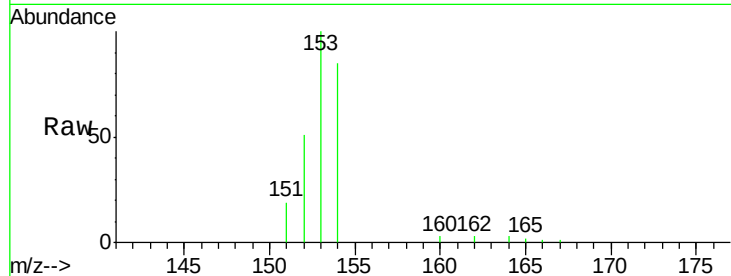
Tgt Ion:152 Resp: 6276
Ion Ratio Lower Upper
152 100
151 18.8 14.7 22.1
153 12.7 10.2 15.2





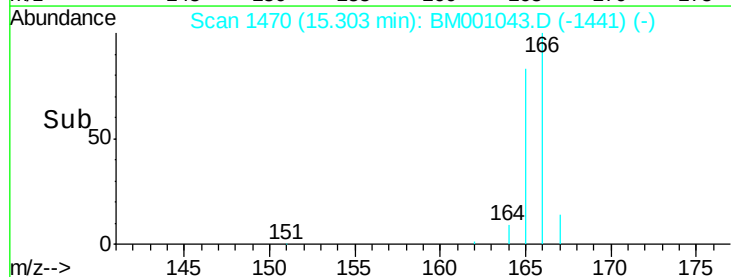
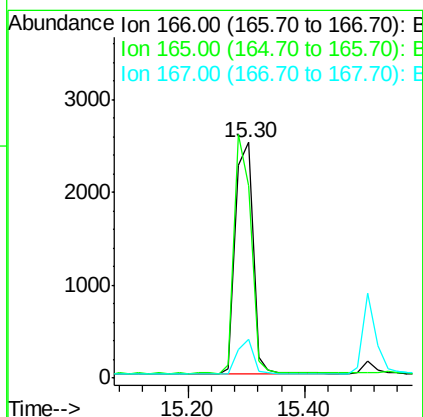
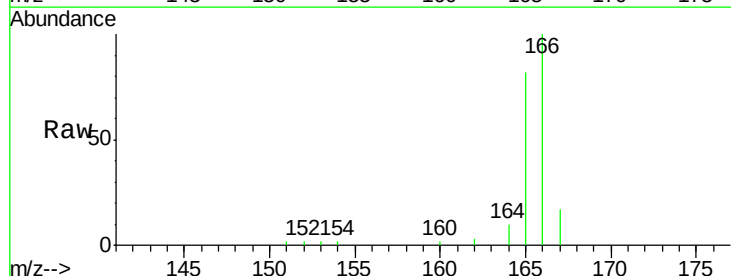
#11
Acenaphthene
Concen: 0.49 ng
RT: 14.29 min Scan# 1411
Delta R.T. 0.00 min
Lab File: BM001043.D
Acq: 17 Apr 2015 23:20

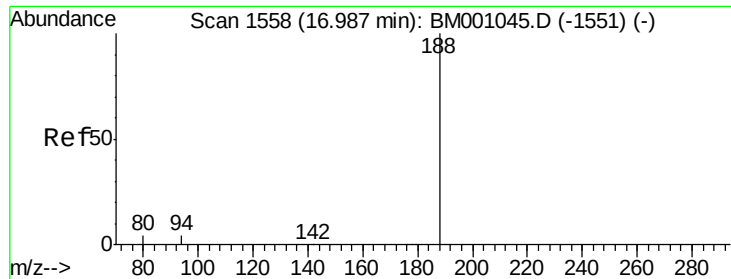
Tgt Ion:154 Resp: 4502
Ion Ratio Lower Upper
154 100
153 108.9 88.1 132.1
152 53.7 42.3 63.5



#12
Fluorene
Concen: 0.51 ng
RT: 15.30 min Scan# 1470
Delta R.T. 0.00 min
Lab File: BM001043.D
Acq: 17 Apr 2015 23:20

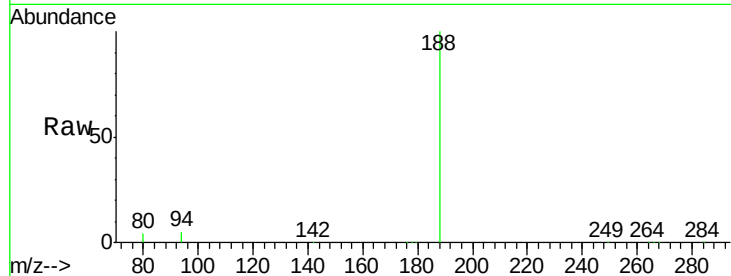
Tgt Ion:166 Resp: 5187
Ion Ratio Lower Upper
166 100
165 97.3 77.6 116.4
167 13.4 10.6 16.0



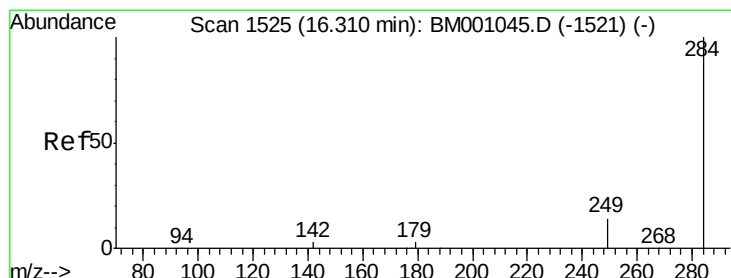
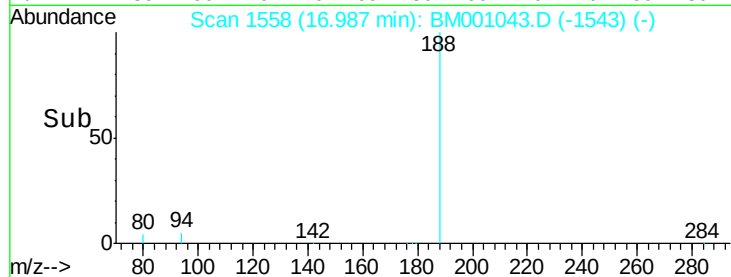
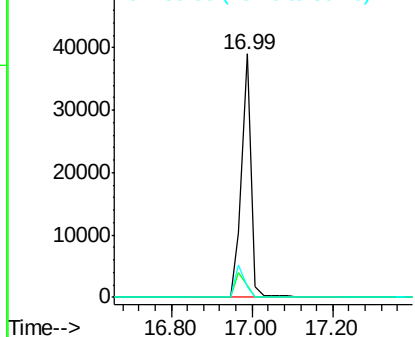


#13
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.99 min Scan# 1558
Delta R.T. 0.00 min
Lab File: BM001043.D
Acq: 17 Apr 2015 23:20

Tgt Ion:188 Resp: 64022
Ion Ratio Lower Upper
188 100
94 4.8 3.6 5.4
80 4.3 3.0 4.6

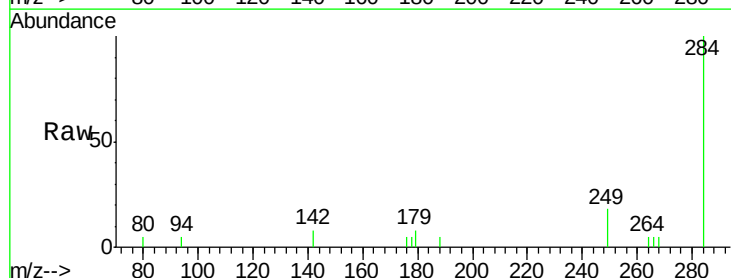


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BMO
Ion 80.00 (79.70 to 80.70): BMO

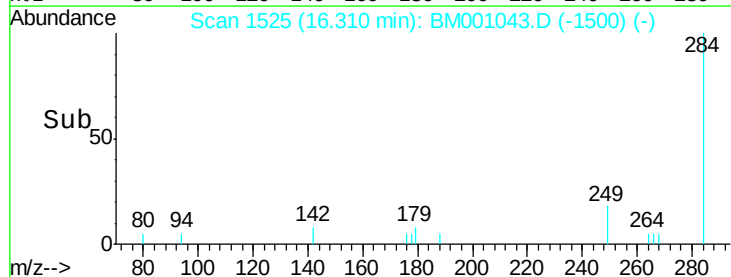
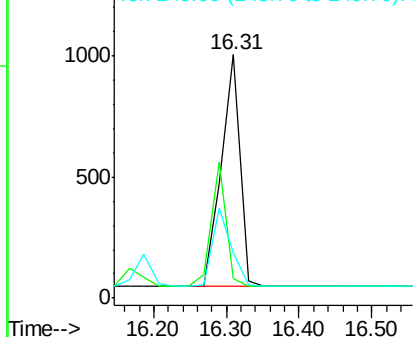


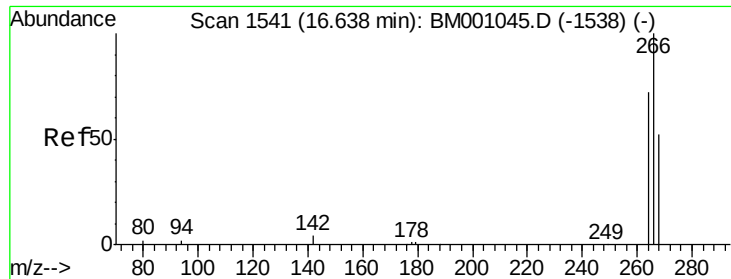
#14
Hexachlorobenzene
Concen: 0.47 ng
RT: 16.31 min Scan# 1525
Delta R.T. 0.00 min
Lab File: BM001043.D
Acq: 17 Apr 2015 23:20

Tgt Ion:284 Resp: 1747
Ion Ratio Lower Upper
284 100
142 0.0 0.0 0.0
249 0.0 0.0 0.0



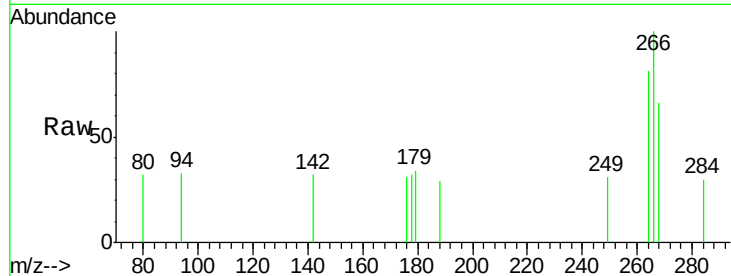
Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E



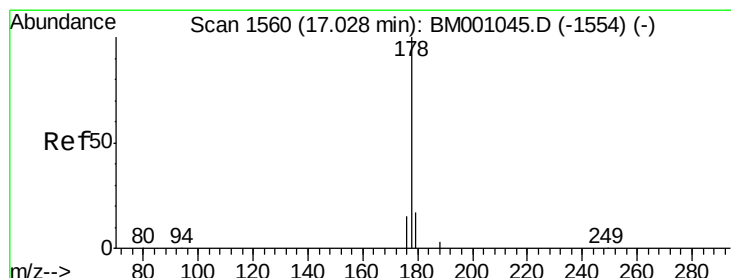
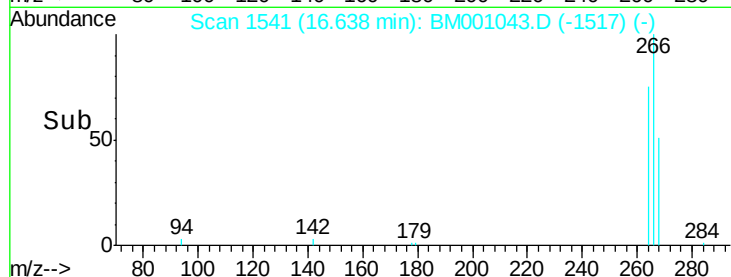
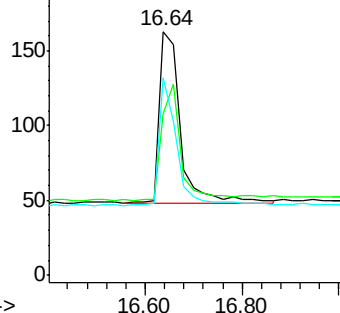


#15
 Pentachlorophenol
 Concen: 0.38 ng
 RT: 16.64 min Scan# 1541
 Delta R.T. 0.00 min
 Lab File: BM001043.D
 Acq: 17 Apr 2015 23:20

Tgt Ion	Ratio	Lower	Upper
266	100		
268	66.3	46.3	69.5
264	81.0	59.8	89.6

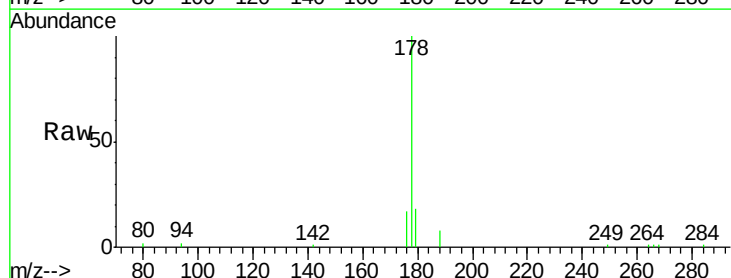


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

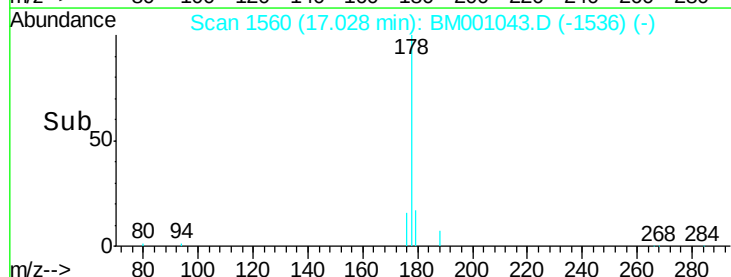
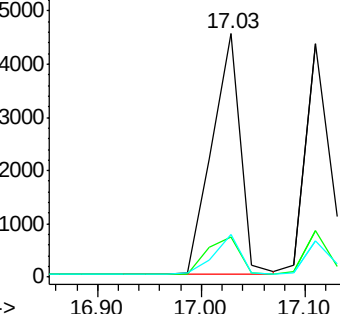


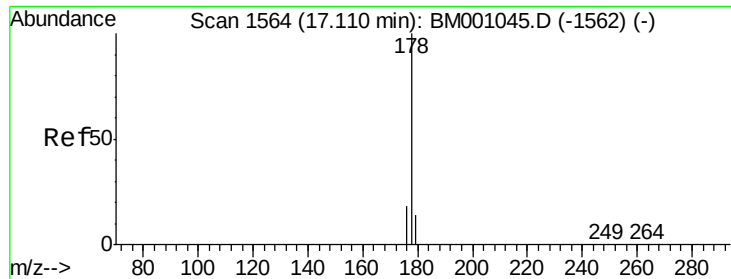
#16
 Phenanthrene
 Concen: 0.49 ng
 RT: 17.03 min Scan# 1560
 Delta R.T. 0.00 min
 Lab File: BM001043.D
 Acq: 17 Apr 2015 23:20

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.6	22.0
179	15.8	12.6	19.0



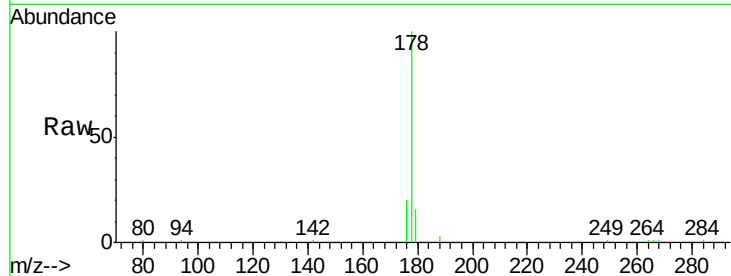
Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E



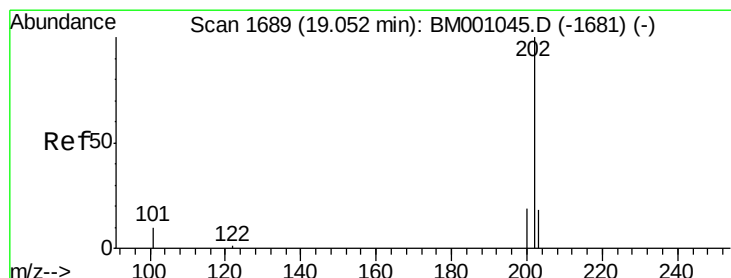
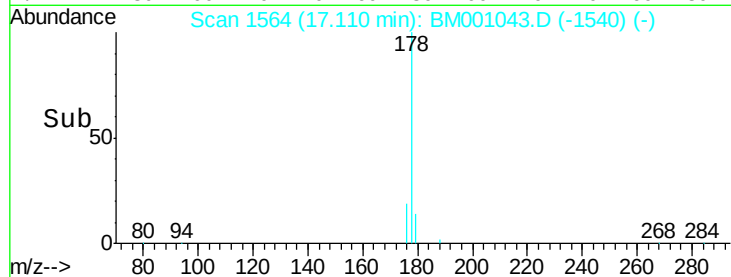
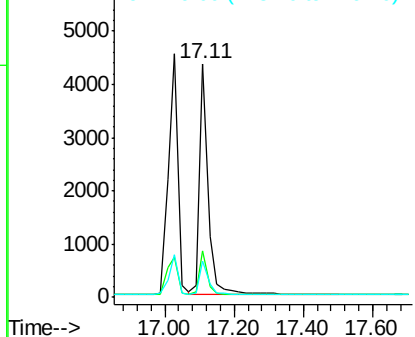


#17
 Anthracene
 Concen: 0.51 ng
 RT: 17.11 min Scan# 1564
 Delta R.T. 0.00 min
 Lab File: BM001043.D
 Acq: 17 Apr 2015 23:20

Tgt Ion:178 Resp: 7578
 Ion Ratio Lower Upper
 178 100
 176 18.3 14.3 21.5
 179 15.0 11.8 17.8

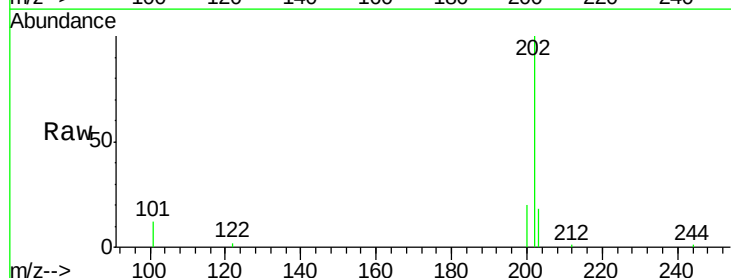


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

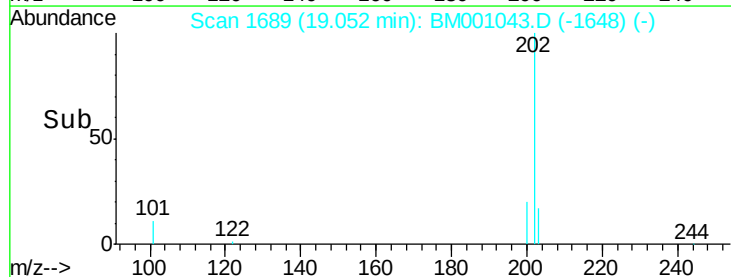
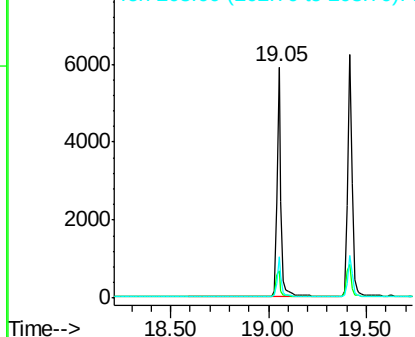


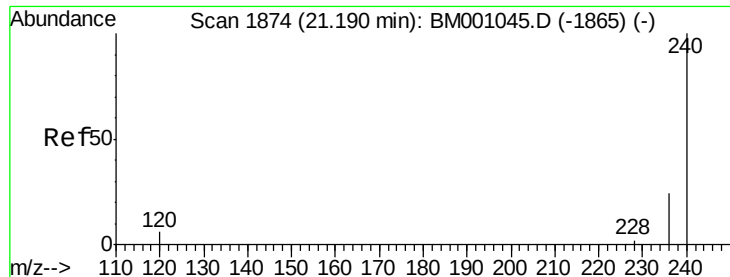
#18
 Fluoranthene
 Concen: 0.49 ng
 RT: 19.05 min Scan# 1689
 Delta R.T. 0.00 min
 Lab File: BM001043.D
 Acq: 17 Apr 2015 23:20

Tgt Ion:202 Resp: 8607
 Ion Ratio Lower Upper
 202 100
 101 12.7 10.1 15.1
 203 17.5 13.8 20.8



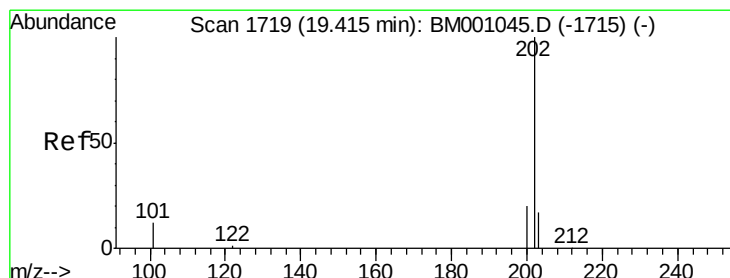
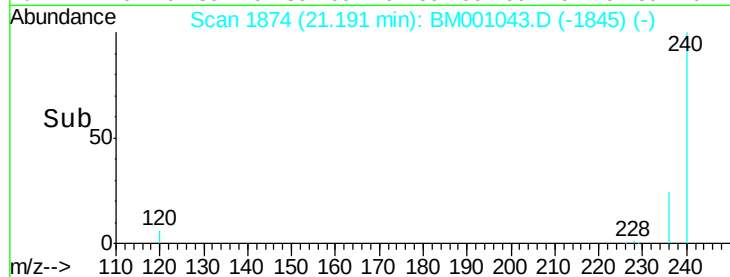
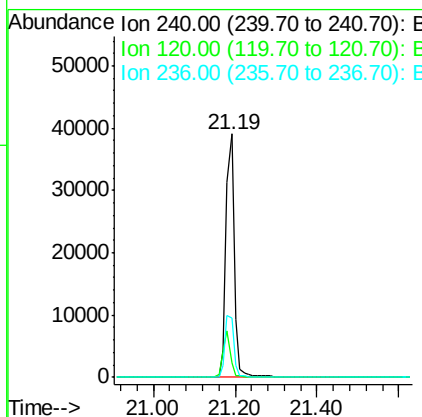
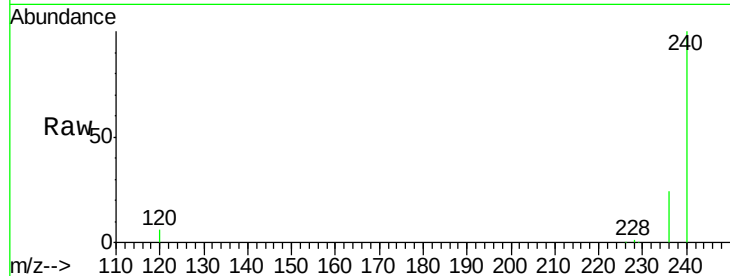
Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E





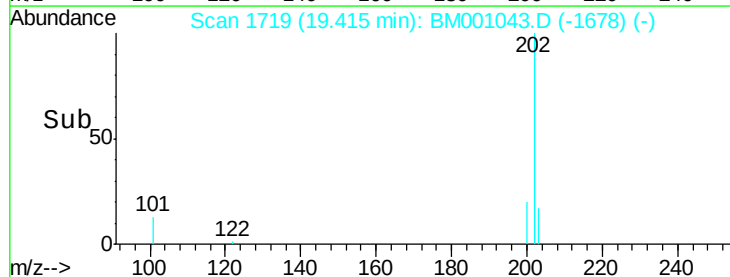
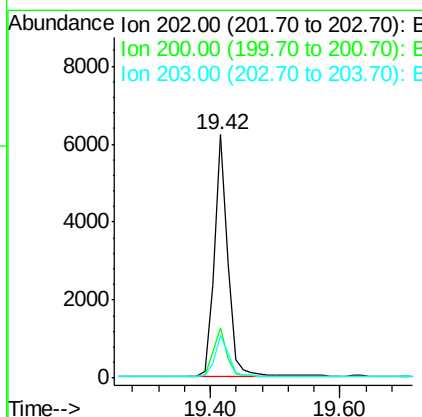
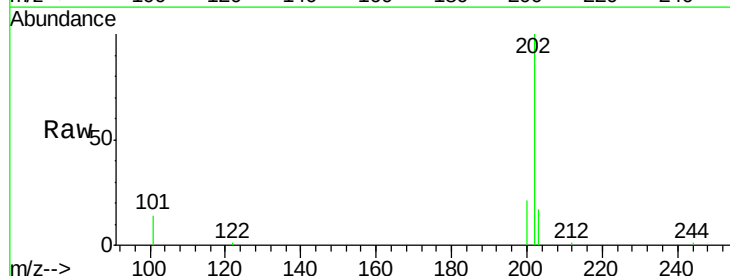
#19
Chrysene-d12
Concen: 5.00 ng
RT: 21.19 min Scan# 1874
Delta R.T. 0.00 min
Lab File: BM001043.D
Acq: 17 Apr 2015 23:20

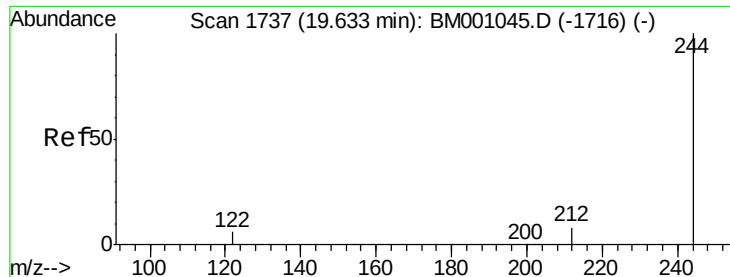
Tgt Ion: 240 Resp: 55201
Ion Ratio Lower Upper
240 100
120 6.2 4.6 6.8
236 24.4 19.1 28.7



#20
Pyrene
Concen: 0.50 ng
RT: 19.42 min Scan# 1719
Delta R.T. 0.00 min
Lab File: BM001043.D
Acq: 17 Apr 2015 23:20

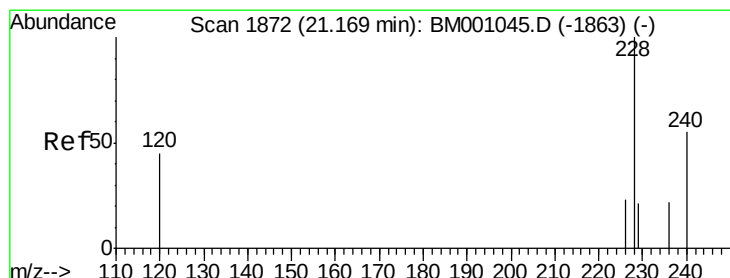
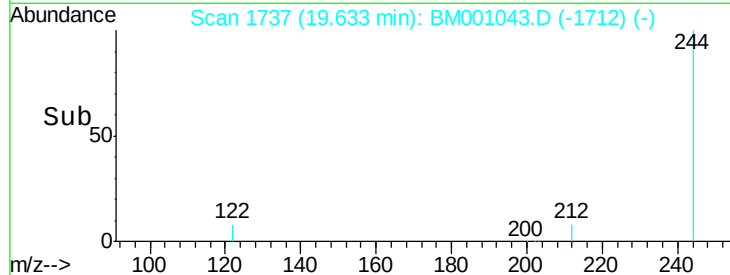
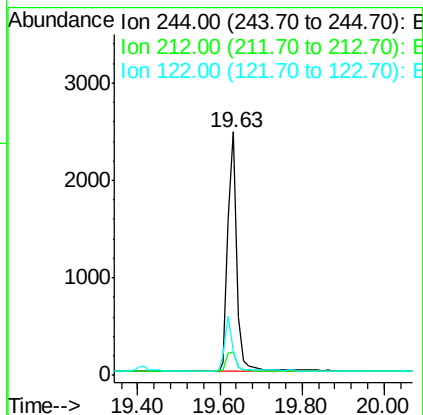
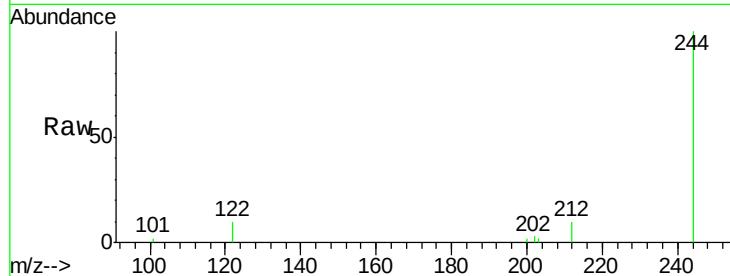
Tgt Ion: 202 Resp: 8985
Ion Ratio Lower Upper
202 100
200 20.4 16.3 24.5
203 17.2 13.8 20.6





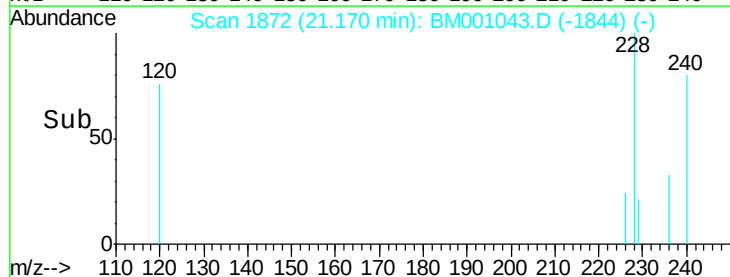
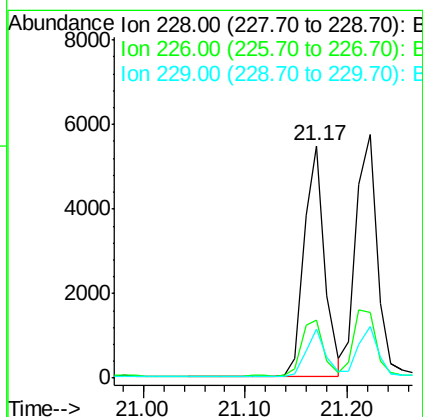
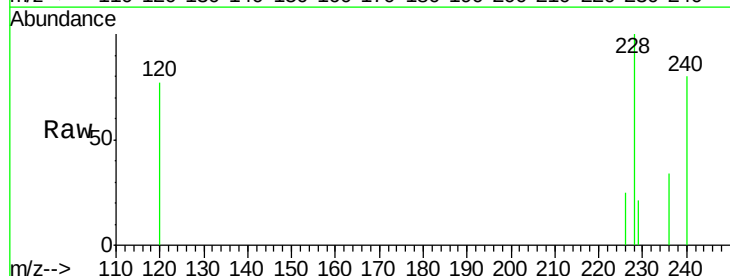
#21
 Terphenyl-d14
 Concen: 0.54 ng
 RT: 19.63 min Scan# 1737
 Delta R.T. 0.00 min
 Lab File: BM001043.D
 Acq: 17 Apr 2015 23:20

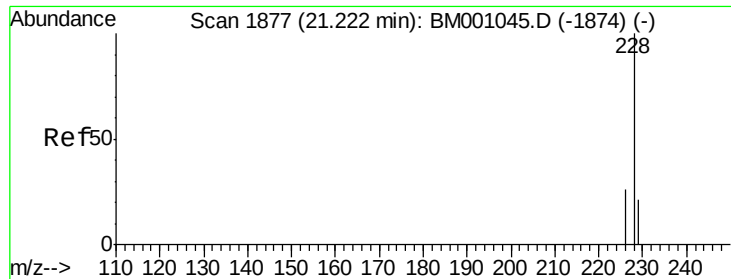
Tgt Ion: 244 Resp: 3617
 Ion Ratio Lower Upper
 244 100
 212 9.6 7.1 10.7
 122 10.1 5.9 8.9#



#22
 Benzo(a)anthracene
 Concen: 0.48 ng
 RT: 21.17 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: BM001043.D
 Acq: 17 Apr 2015 23:20

Tgt Ion: 228 Resp: 7520
 Ion Ratio Lower Upper
 228 100
 226 24.9 19.0 28.6
 229 21.2 16.8 25.2





#23

Chrysene

Concen: 0.52 ng

RT: 21.22 min Scan# 1877

Delta R.T. 0.00 min

Lab File: BM001043.D

Acq: 17 Apr 2015 23:20

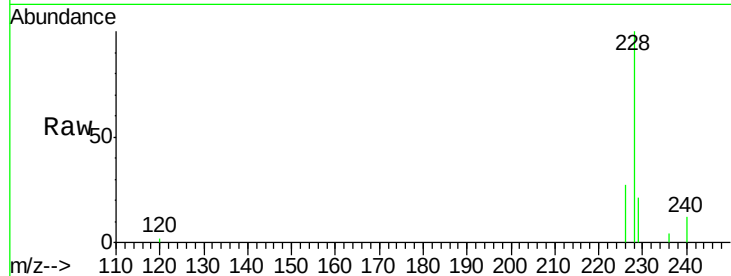
Tgt Ion: 228 Resp: 8573

Ion Ratio Lower Upper

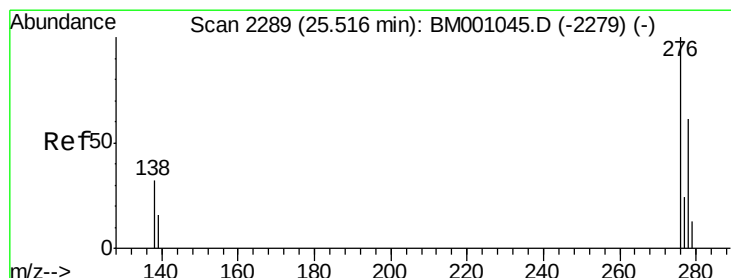
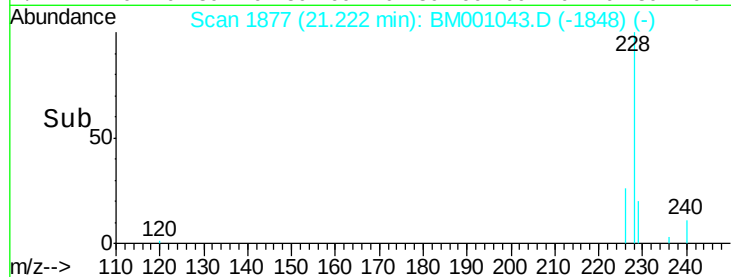
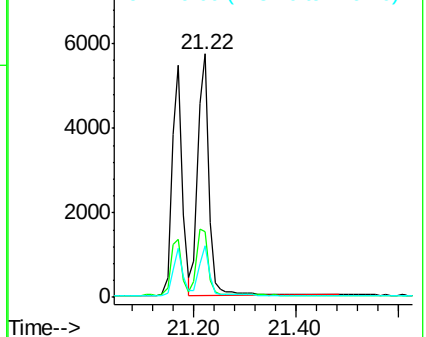
228 100

226 26.8 20.6 31.0

229 21.1 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: 0.49 ng

RT: 25.52 min Scan# 2289

Delta R.T. 0.00 min

Lab File: BM001043.D

Acq: 17 Apr 2015 23:20

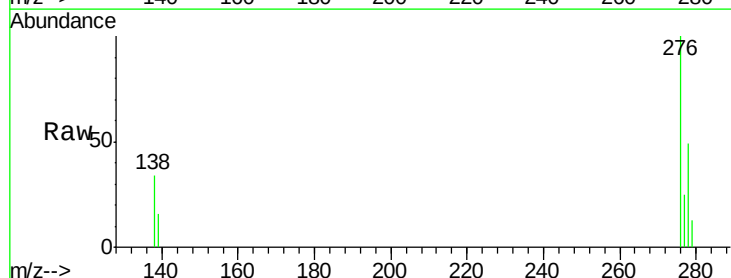
Tgt Ion: 276 Resp: 8448

Ion Ratio Lower Upper

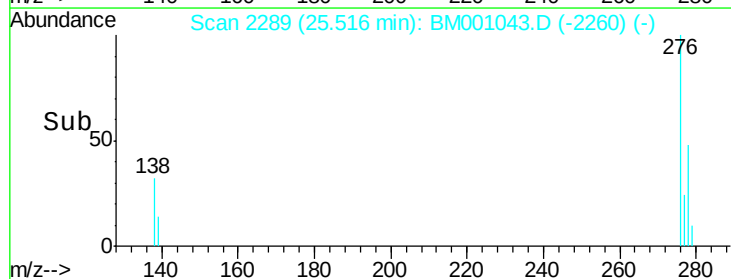
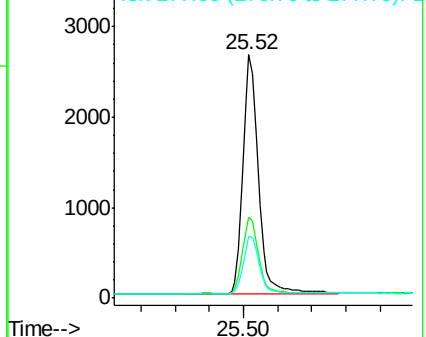
276 100

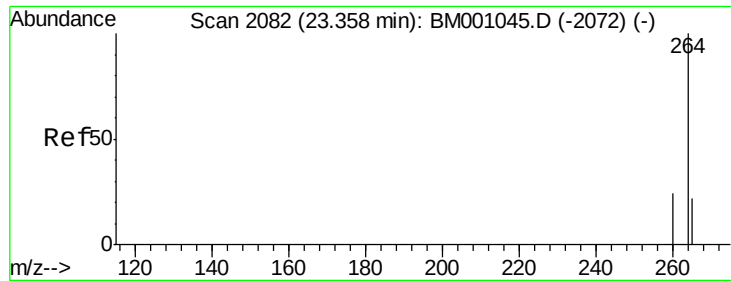
138 33.3 26.3 39.5

277 24.4 19.5 29.3



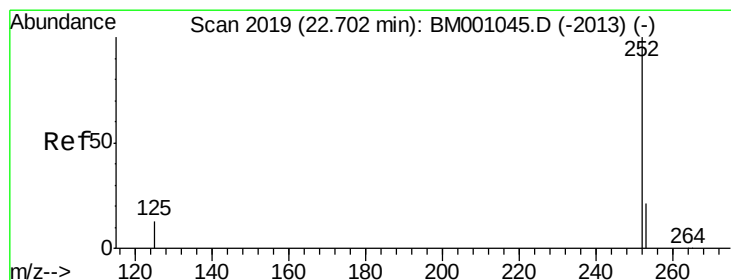
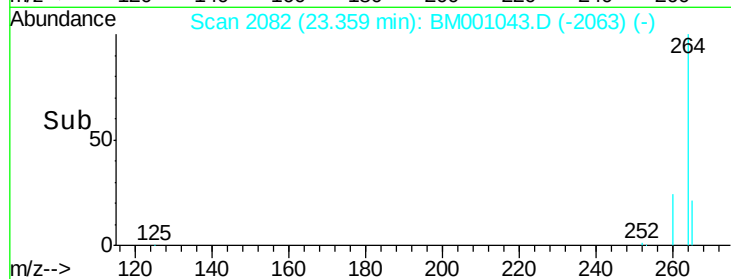
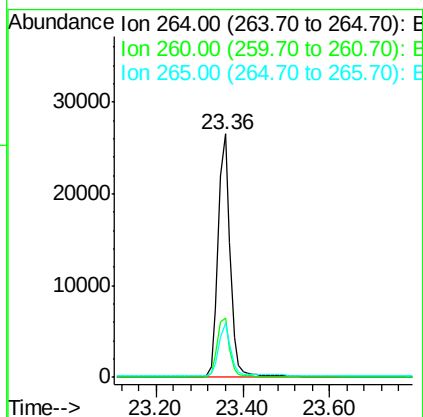
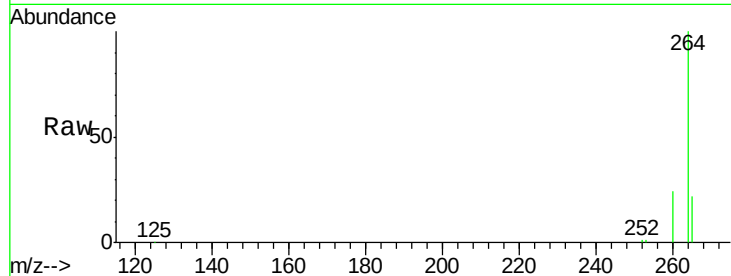
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





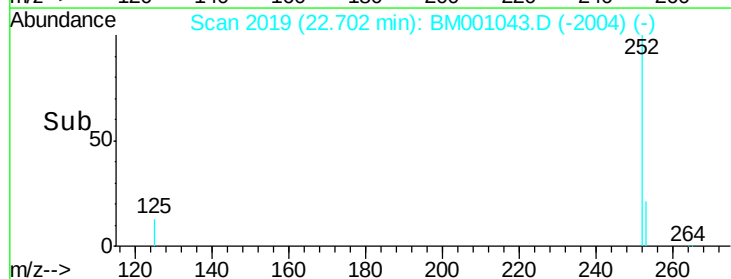
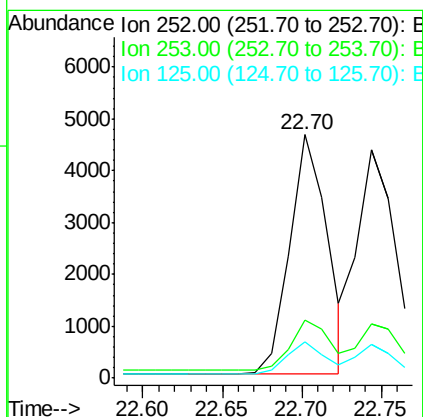
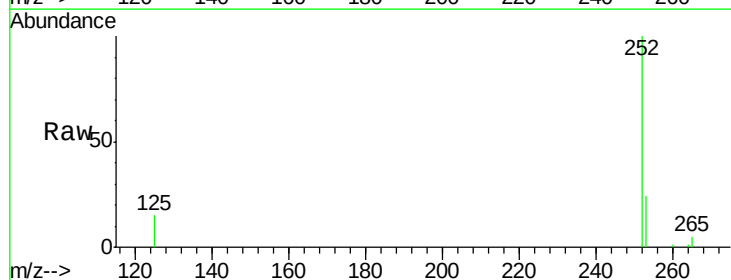
#25
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.36 min Scan# 2082
 Delta R.T. 0.00 min
 Lab File: BM001043.D
 Acq: 17 Apr 2015 23:20

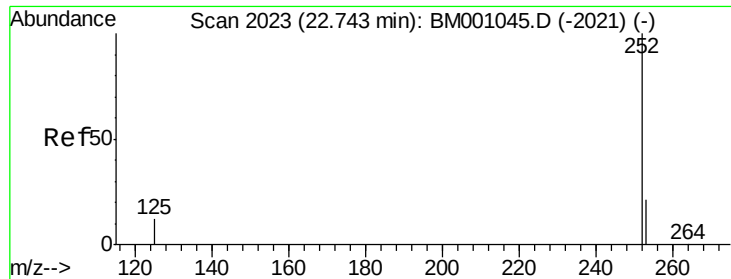
Tgt Ion: 264 Resp: 50133
 Ion Ratio Lower Upper
 264 100
 260 24.2 19.0 28.6
 265 22.1 17.9 26.9



#26
 Benzo(b)fluoranthene
 Concen: 0.48 ng
 RT: 22.70 min Scan# 2019
 Delta R.T. 0.00 min
 Lab File: BM001043.D
 Acq: 17 Apr 2015 23:20

Tgt Ion: 252 Resp: 7560
 Ion Ratio Lower Upper
 252 100
 253 23.9 18.2 27.2
 125 14.7 10.9 16.3





#27

Benzo(k)fluoranthene

Concen: 0.51 ng

RT: 22.74 min Scan# 2023

Delta R.T. 0.00 min

Lab File: BM001043.D

Acq: 17 Apr 2015 23:20

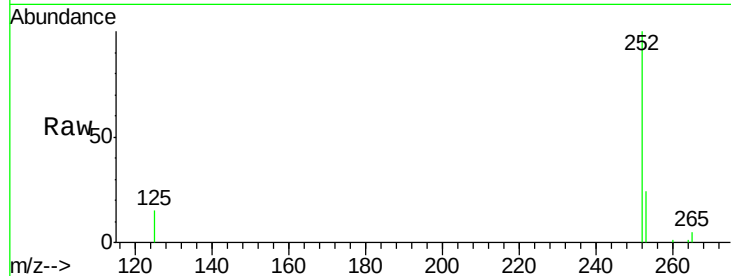
Tgt Ion:252 Resp: 7787

Ion Ratio Lower Upper

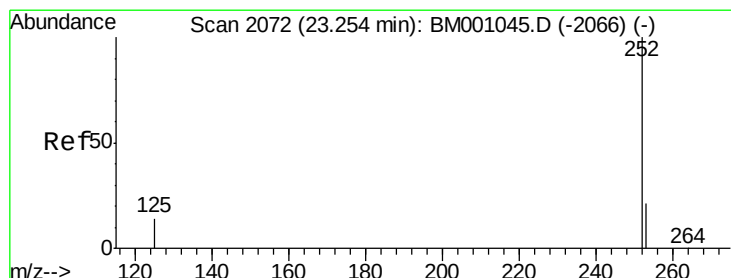
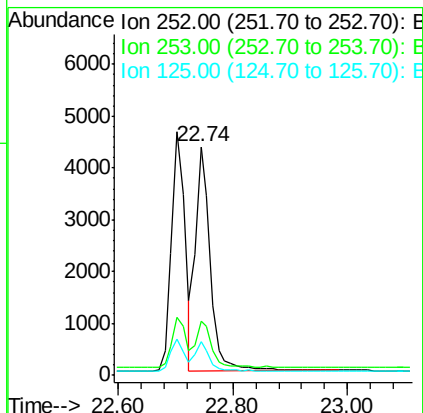
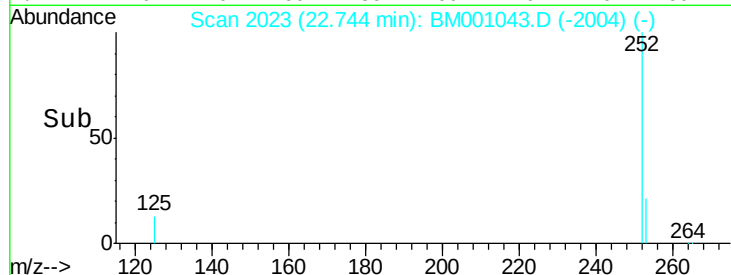
252 100

253 23.8 18.3 27.5

125 14.6 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: 0.49 ng

RT: 23.25 min Scan# 2072

Delta R.T. 0.00 min

Lab File: BM001043.D

Acq: 17 Apr 2015 23:20

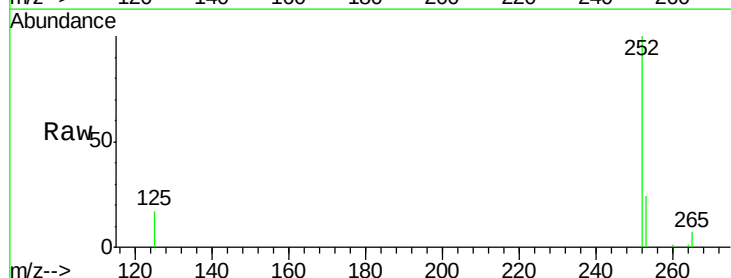
Tgt Ion:252 Resp: 6630

Ion Ratio Lower Upper

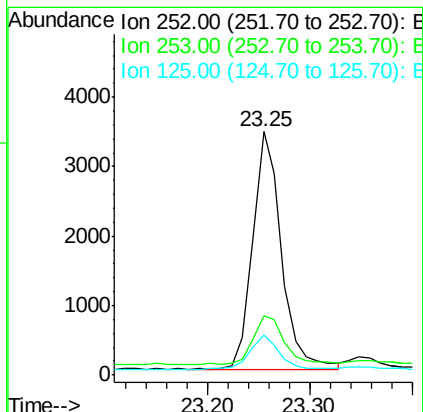
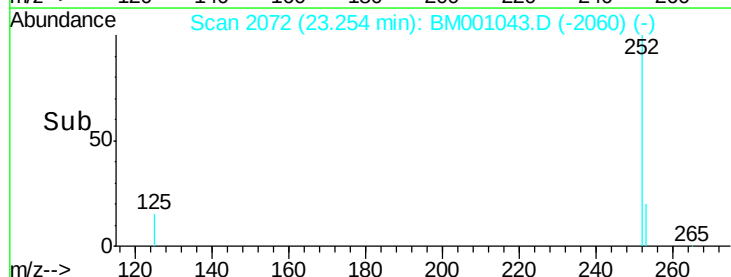
252 100

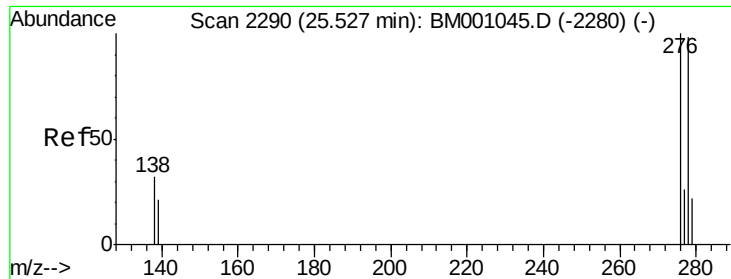
253 24.3 18.6 27.8

125 16.6 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: 0.50 ng

RT: 25.54 min Scan# 2291

Delta R.T. 0.01 min

Lab File: BM001043.D

Acq: 17 Apr 2015 23:20

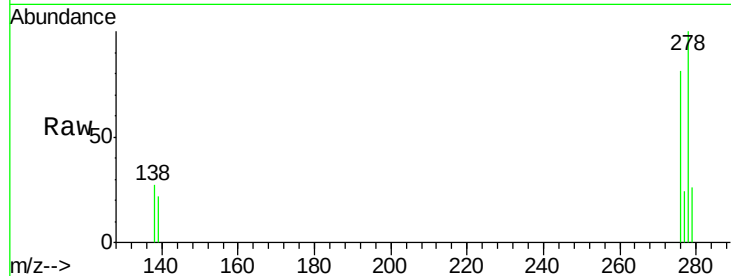
Tgt Ion: 278 Resp: 6644

Ion Ratio Lower Upper

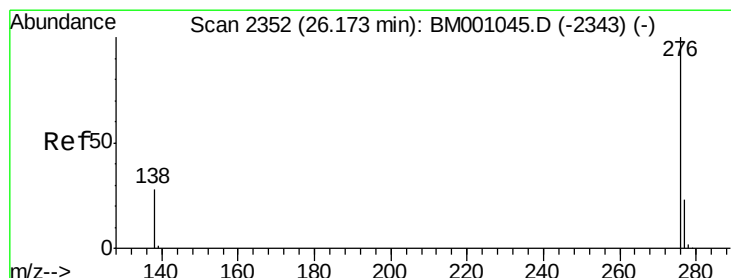
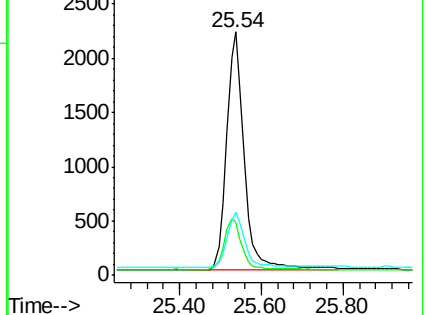
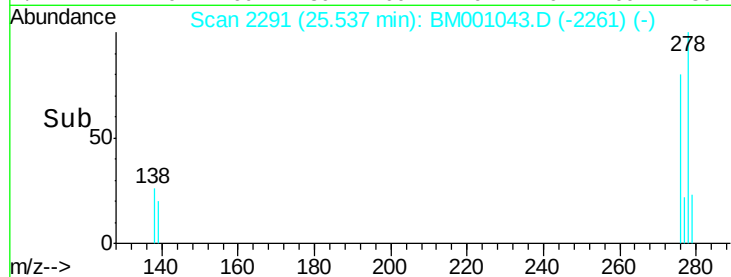
278 100

139 21.9 18.2 27.2

279 26.0 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: 0.50 ng

RT: 26.18 min Scan# 2353

Delta R.T. 0.01 min

Lab File: BM001043.D

Acq: 17 Apr 2015 23:20

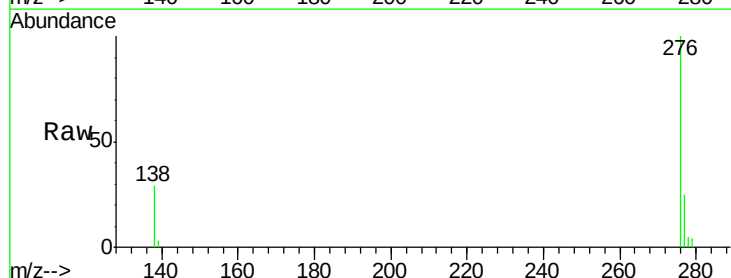
Tgt Ion: 276 Resp: 7249

Ion Ratio Lower Upper

276 100

277 25.5 19.0 28.4

138 28.5 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

