

Data Path : Z:\HPCHEM1\BNA M\DATA\BM041815\
 Data File : BM001045.D
 Acq On : 18 Apr 2015 00:31
 Operator : TP/IZ
 Sample : SSTDICCC001
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

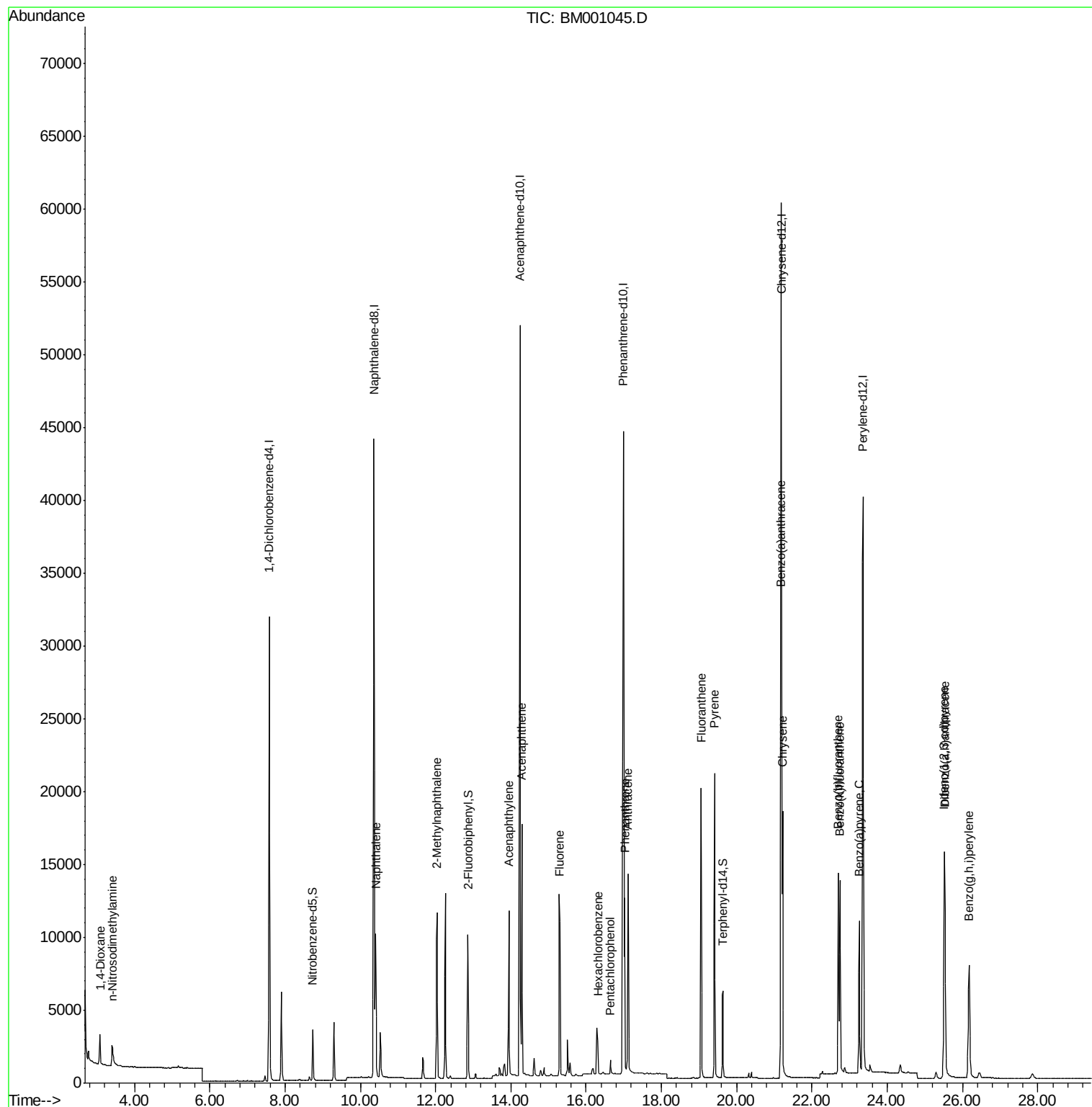
Quant Time: Apr 18 05:59:35 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SIMPAH-BM041815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Apr 18 05:45:49 2015
 Response via : Initial Calibration

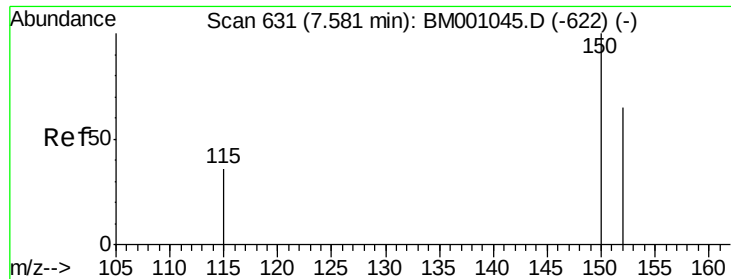
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.58	152	16095	5.00	ng	0.00
4) Naphthalene-d8	10.36	136	57730	5.00	ng	0.00
8) Acenaphthene-d10	14.24	164	30651	5.00	ng	0.00
13) Phenanthrene-d10	16.99	188	66981	5.00	ng	0.00
19) Chrysene-d12	21.19	240	58610	5.00	ng	0.00
25) Perylene-d12	23.36	264	52393	5.00	ng	0.00
System Monitoring Compounds						
5) Nitrobenzene-d5	8.74	82	3031	1.05	ng	0.00
9) 2-Fluorobiphenyl	12.86	172	10081	1.06	ng	0.00
21) Terphenyl-d14	19.63	244	7788	1.09	ng	0.00
Target Compounds						Ovalue
2) 1,4-Dioxane	3.08	88	1849	1.36	ng	# 100
3) n-Nitrosodimethylamine	3.40	42	1683	1.12	ng	100
6) Naphthalene	10.41	128	13576	1.01	ng	100
7) 2-Methylnaphthalene	12.04	142	8872	1.04	ng	100
10) Acenaphthylene	13.95	152	13675	1.01	ng	100
11) Acenaphthene	14.29	154	9163	0.98	ng	100
12) Fluorene	15.30	166	10992	1.04	ng	100
14) Hexachlorobenzene	16.31	284	3614	0.93	ng	# 100
15) Pentachlorophenol	16.64	266	910	0.93	ng	100
16) Phenanthrene	17.03	178	17411	0.96	ng	100
17) Anthracene	17.11	178	16455	1.06	ng	100
18) Fluoranthene	19.05	202	18609	1.02	ng	100
20) Pyrene	19.42	202	19226	1.01	ng	100
22) Benzo(a)anthracene	21.17	228	16532	0.99	ng	100
23) Chrysene	21.22	228	17629	1.01	ng	100
24) Indeno(1,2,3-cd)pyrene	25.52	276	18080	1.00	ng	100
26) Benzo(b)fluoranthene	22.70	252	16774	1.02	ng	100
27) Benzo(k)fluoranthene	22.74	252	16168	1.02	ng	100
28) Benzo(a)pyrene	23.25	252	14385	1.01	ng	100
29) Dibenzo(a,h)anthracene	25.53	278	14254	1.02	ng	100
30) Benzo(g,h,i)perylene	26.17	276	15210	1.01	ng	100

(#) = 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: BM001045.D

Acq: 18 Apr 2015 00:31

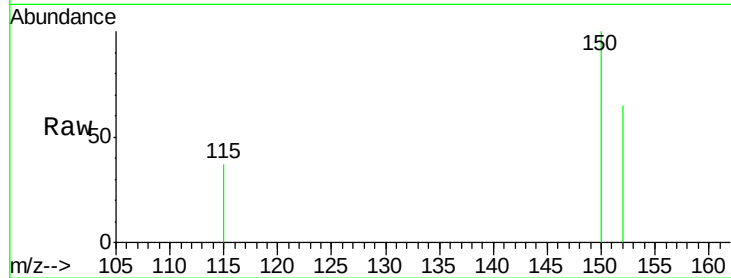
Tot Ion:152 Resp: 16095

Ion Ratio Lower Upper

152 100

150 154.1 123.3 184.9

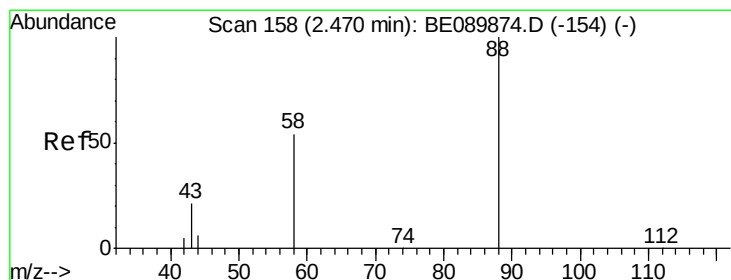
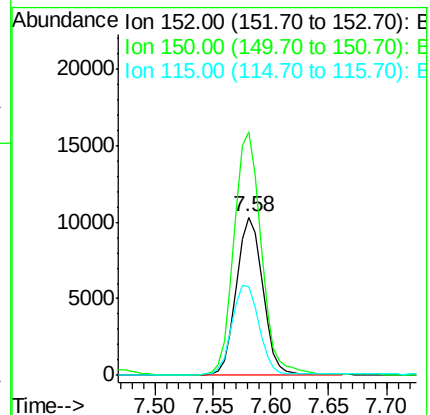
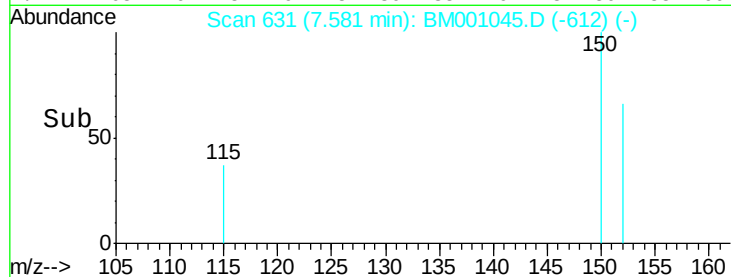
115 56.3 45.0 67.6



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 1.36 ng

RT: 3.08 min Scan# 39

Delta R.T. 0.00 min

Lab File: BM001045.D

Acq: 18 Apr 2015 00:31

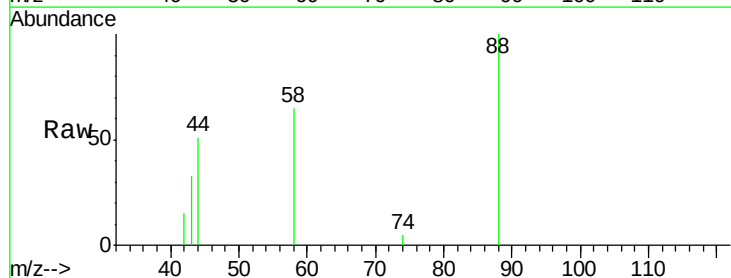
Tgt Ion: 88 Resp: 1849

Ion Ratio Lower Upper

88 100

58 67.4 0.0 0.0#

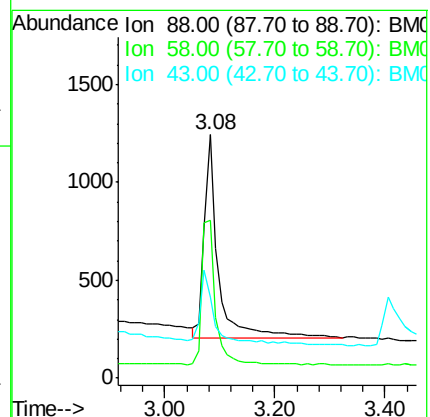
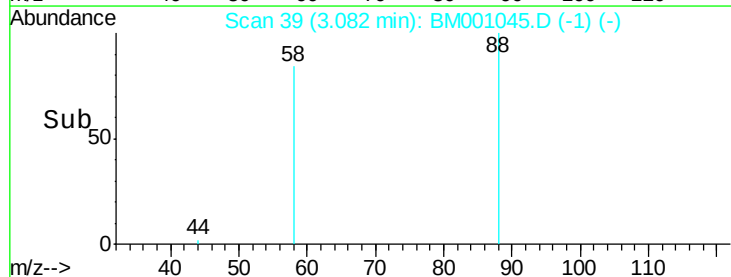
43 31.5 0.0 0.0#

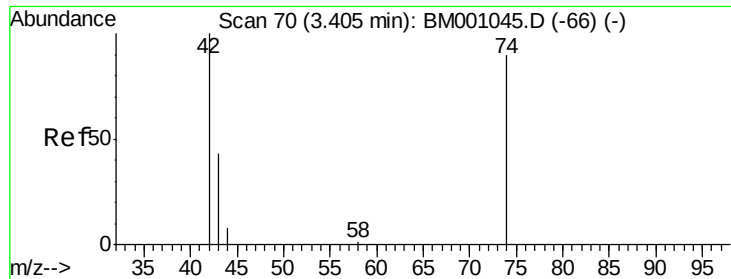


Abundance Ion 88.00 (87.70 to 88.70): BM0

Ion 58.00 (57.70 to 58.70): BM0

Ion 43.00 (42.70 to 43.70): BM0





#3

n-Nitrosodimethylamine

Concen: 1.12 ng

RT: 3.40 min Scan# 70

Delta R.T. 0.00 min

Lab File: BM001045.D

Acq: 18 Apr 2015 00:31

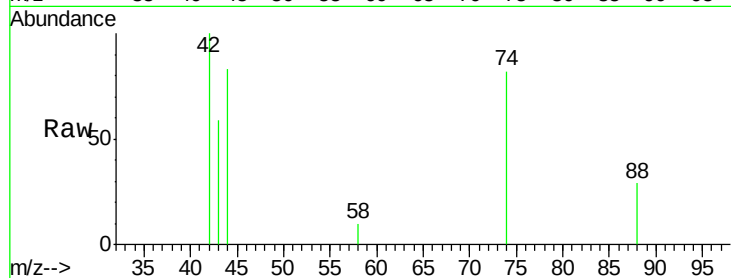
Tot Ion: 42 Resp: 1683

Ion Ratio Lower Upper

42 100

74 115.1 92.1 138.1

44 7.2 5.8 8.6

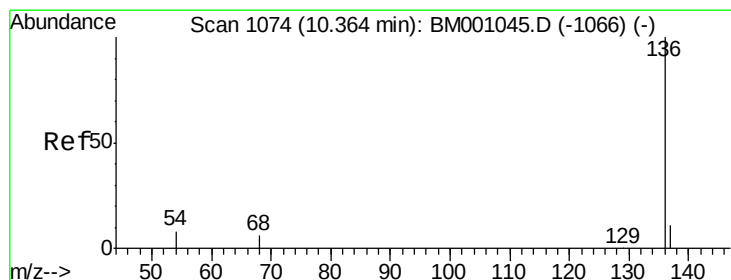
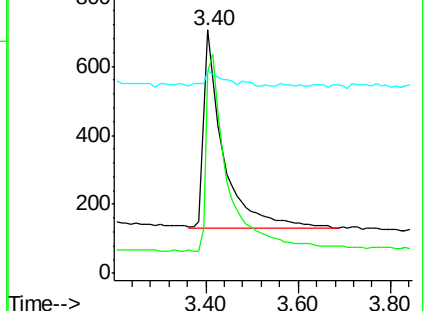
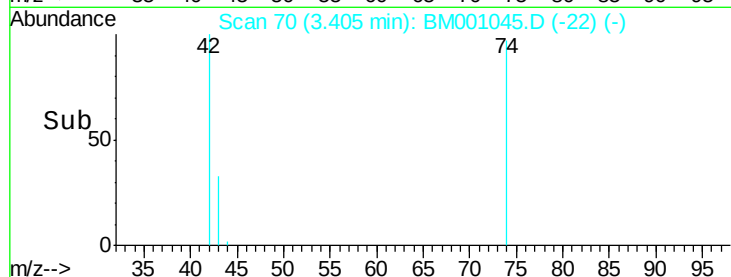


Abundance Ion 42.00 (41.70 to 42.70): BM001045.D (-66) (-)

Ion 74.00 (73.70 to 74.70): BM001045.D (-66) (-)

Ion 44.00 (43.70 to 44.70): BM001045.D (-66) (-)

Time-->



#4

Naphthalene-d8

Concen: 5.00 ng

RT: 10.36 min Scan# 1074

Delta R.T. 0.00 min

Lab File: BM001045.D

Acq: 18 Apr 2015 00:31

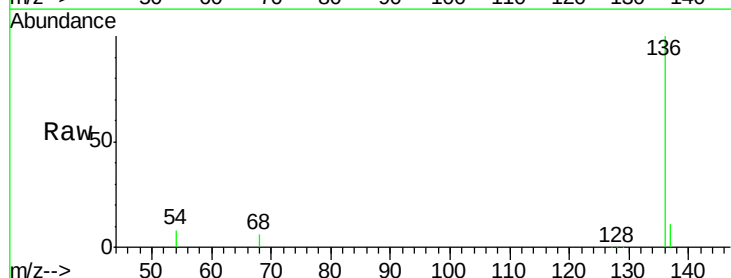
Tgt Ion: 136 Resp: 57730

Ion Ratio Lower Upper

136 100

137 10.8 8.6 13.0

54 8.1 6.5 9.7

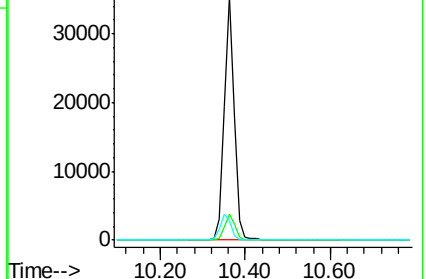
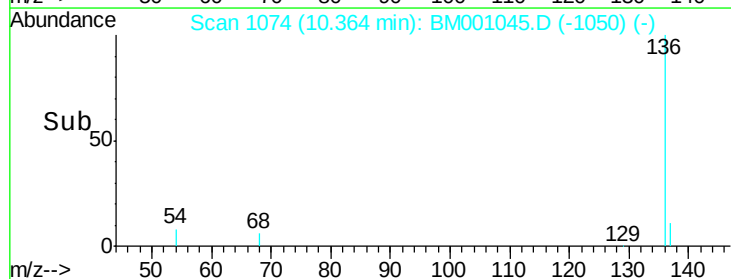


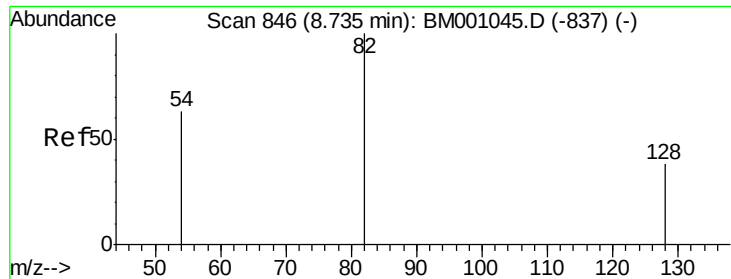
Abundance Ion 136.00 (135.70 to 136.70): BM001045.D (-1066) (-)

Ion 137.00 (136.70 to 137.70): BM001045.D (-1066) (-)

Ion 54.00 (53.70 to 54.70): BM001045.D (-1066) (-)

Time-->





#5

Nitrobenzene-d5

Concen: 1.05 ng

RT: 8.74 min Scan# 846

Delta R.T. 0.00 min

Lab File: BM001045.D

Acq: 18 Apr 2015 00:31

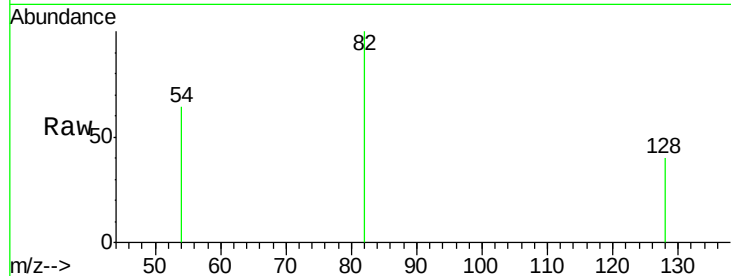
Tot Ion: 82 Resp: 3031

Ion Ratio Lower Upper

82 100

128 39.9 31.9 47.9

54 64.1 51.3 76.9

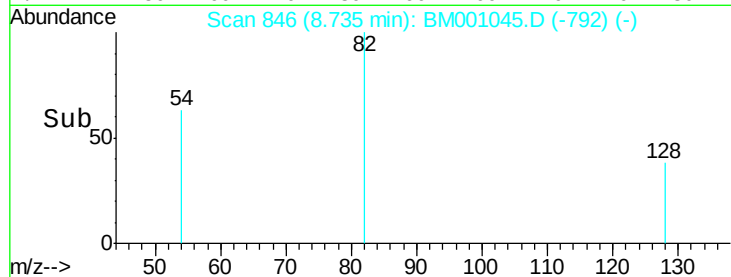


Abundance Ion 82.00 (81.70 to 82.70): BM001045.D (-837) (-)

Ion 128.00 (127.70 to 128.70): BM001045.D (-837) (-)

Ion 54.00 (53.70 to 54.70): BM001045.D (-837) (-)

Time-->



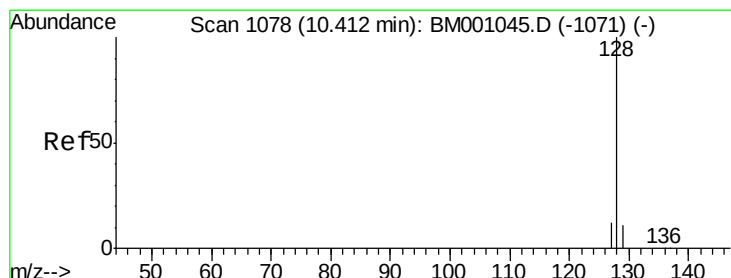
Abundance

Ion 82.00 (81.70 to 82.70): BM001045.D (-837) (-)

Ion 128.00 (127.70 to 128.70): BM001045.D (-837) (-)

Ion 54.00 (53.70 to 54.70): BM001045.D (-837) (-)

Time-->



#6

Naphthalene

Concen: 1.01 ng

RT: 10.41 min Scan# 1078

Delta R.T. 0.00 min

Lab File: BM001045.D

Acq: 18 Apr 2015 00:31

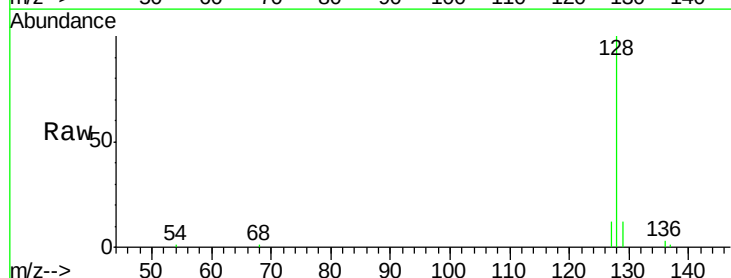
Tgt Ion: 128 Resp: 13576

Ion Ratio Lower Upper

128 100

129 11.6 9.3 13.9

127 12.5 10.0 15.0

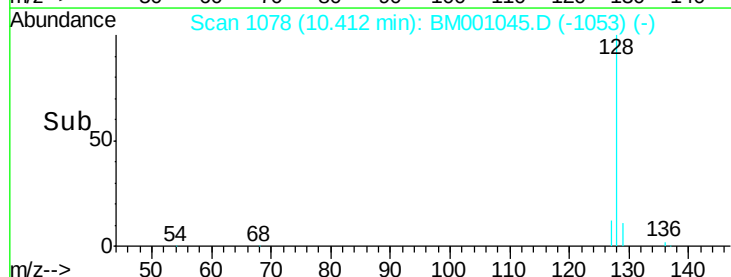


Abundance Ion 128.00 (127.70 to 128.70): BM001045.D (-1071) (-)

Ion 129.00 (128.70 to 129.70): BM001045.D (-1071) (-)

Ion 127.00 (126.70 to 127.70): BM001045.D (-1071) (-)

Time-->



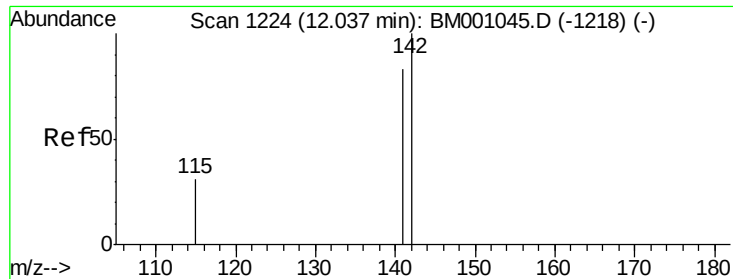
Abundance

Ion 128.00 (127.70 to 128.70): BM001045.D (-1071) (-)

Ion 129.00 (128.70 to 129.70): BM001045.D (-1071) (-)

Ion 127.00 (126.70 to 127.70): BM001045.D (-1071) (-)

Time-->



#7

2-Methylnaphthalene

Concen: 1.04 ng

RT: 12.04 min Scan# 1224

Delta R.T. 0.00 min

Lab File: BM001045.D

Acq: 18 Apr 2015 00:31

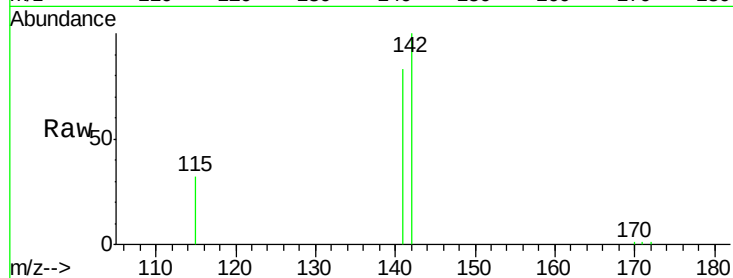
Tot Ion:142 Resp: 8872

Ion Ratio Lower Upper

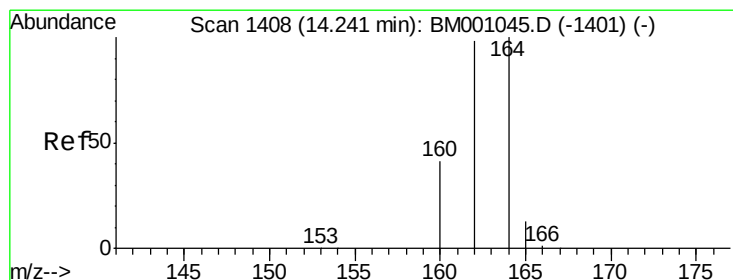
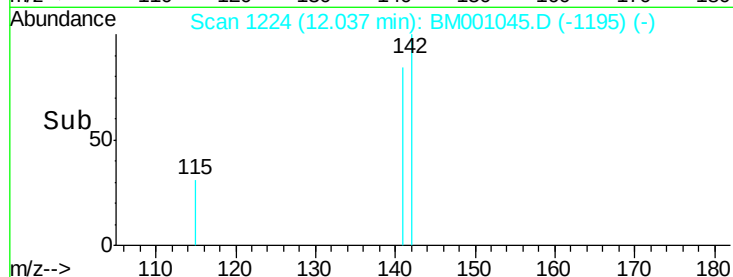
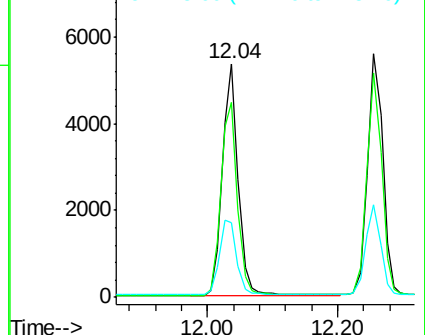
142 100

141 83.4 66.7 100.1

115 31.9 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: BM001045.D

Acq: 18 Apr 2015 00:31

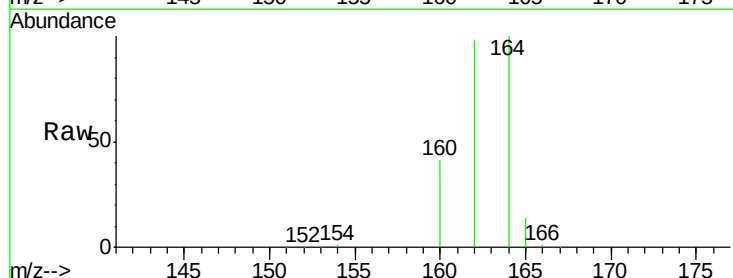
Tgt Ion:164 Resp: 30651

Ion Ratio Lower Upper

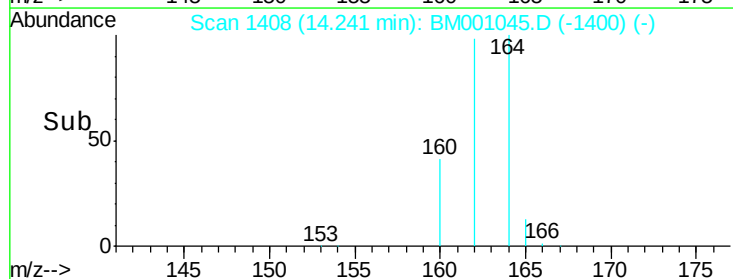
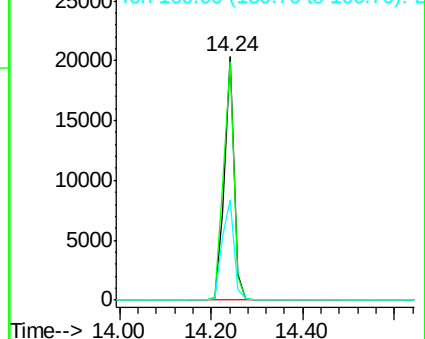
164 100

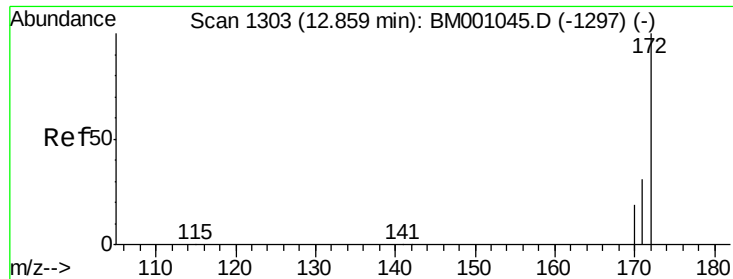
162 98.1 78.5 117.7

160 41.1 32.9 49.3



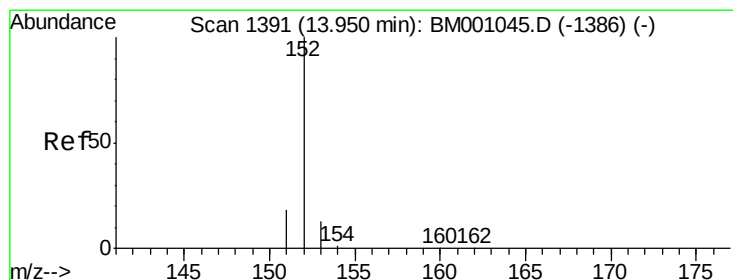
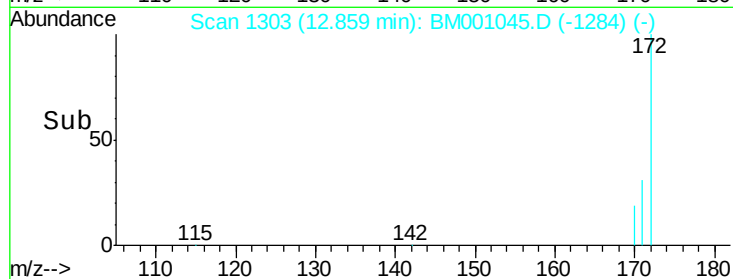
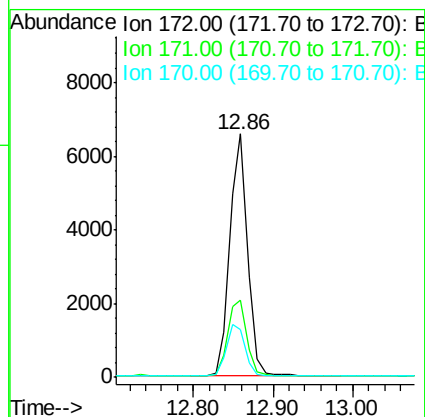
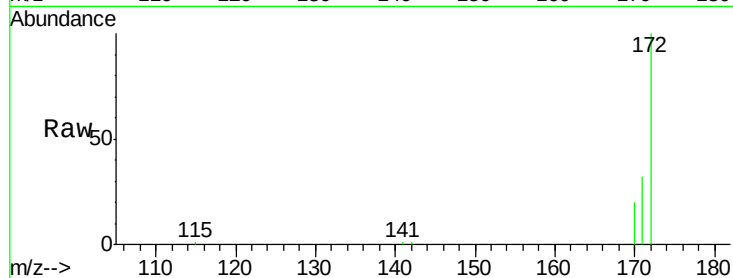
Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E





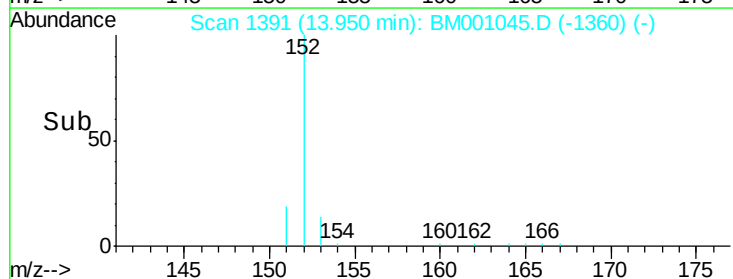
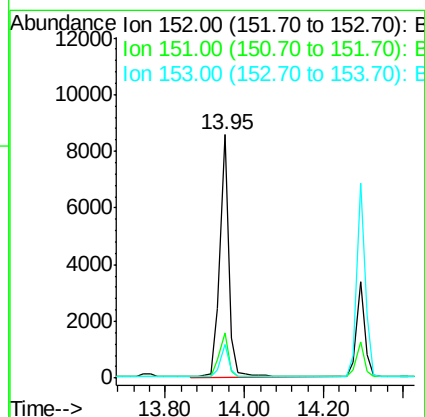
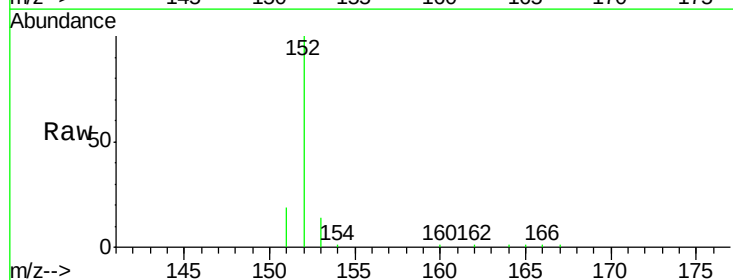
#9
2-Fluorobiphenyl
Concen: 1.06 ng
RT: 12.86 min Scan# 1303
Delta R.T. 0.00 min
Lab File: BM001045.D
Acq: 18 Apr 2015 00:31

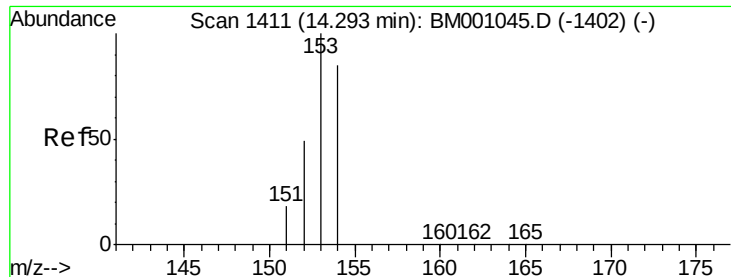
Tot Ion	Ratio	Lower	Upper
172	100		
171	32.0	25.6	38.4
170	19.7	15.8	23.6



#10
Acenaphthylene
Concen: 1.01 ng
RT: 13.95 min Scan# 1391
Delta R.T. 0.00 min
Lab File: BM001045.D
Acq: 18 Apr 2015 00:31

Tgt Ion	Ratio	Lower	Upper
152	100		
151	18.4	14.7	22.1
153	12.7	10.2	15.2





#11

Acenaphthene

Concen: 0.98 ng

RT: 14.29 min Scan# 1411

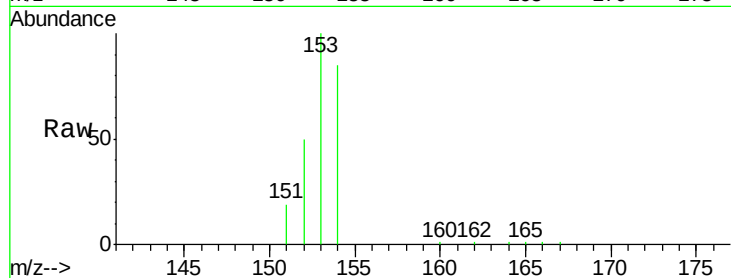
Delta R.T. 0.00 min

Lab File: BM001045.D

Acq: 18 Apr 2015 00:31

Tot Ion:154 Resp: 9163

Ion	Ratio	Lower	Upper
154	100		
153	110.1	88.1	132.1
152	52.9	42.3	63.5

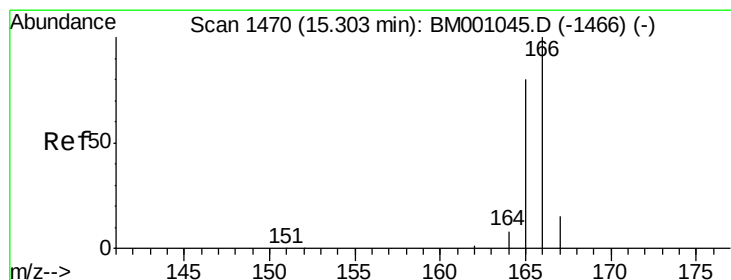
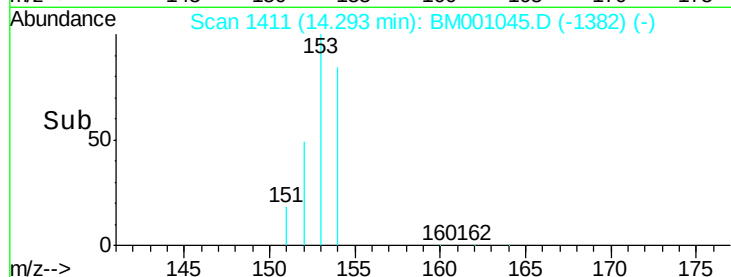
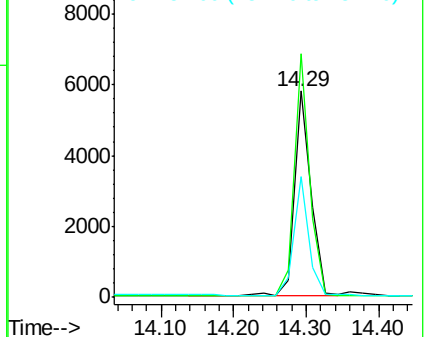


Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#12

Fluorene

Concen: 1.04 ng

RT: 15.30 min Scan# 1470

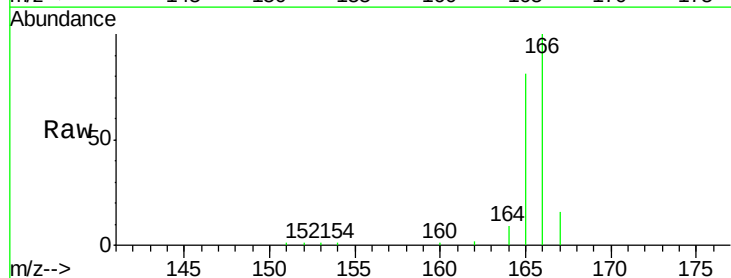
Delta R.T. 0.00 min

Lab File: BM001045.D

Acq: 18 Apr 2015 00:31

Tgt Ion:166 Resp: 10992

Ion	Ratio	Lower	Upper
166	100		
165	97.0	77.6	116.4
167	13.3	10.6	16.0

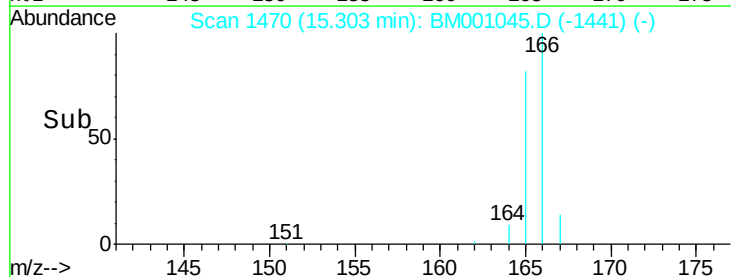
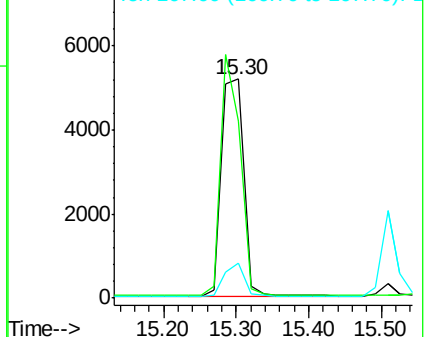


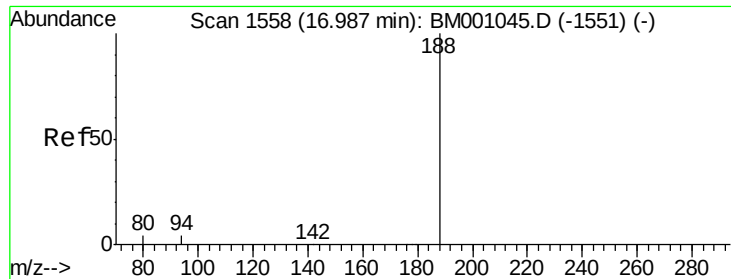
Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

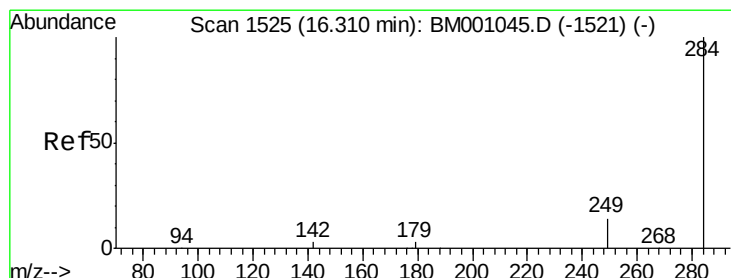
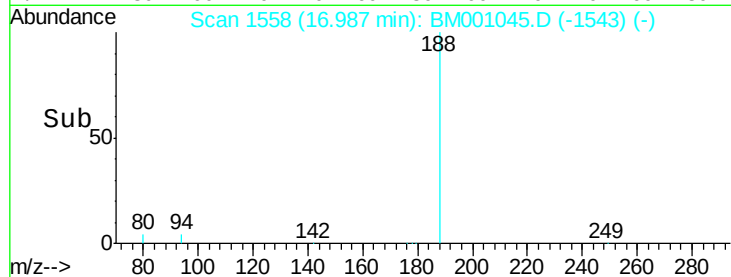
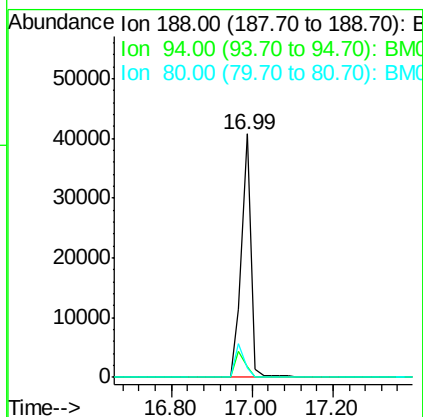
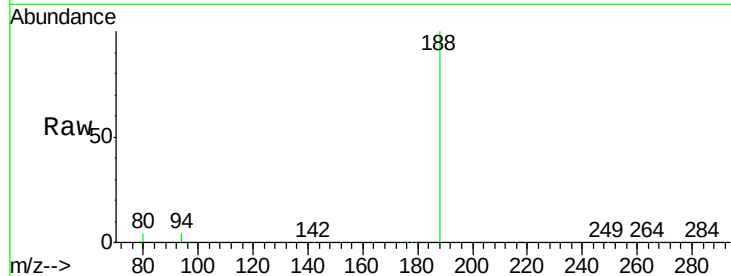
Ion 167.00 (166.70 to 167.70): E





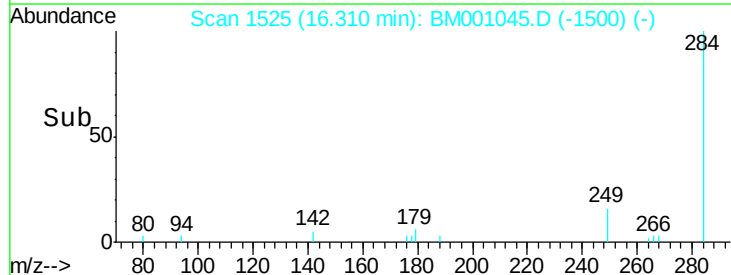
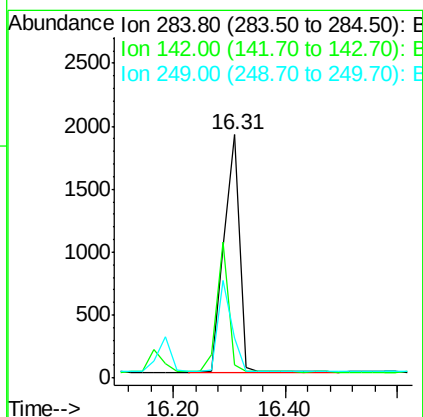
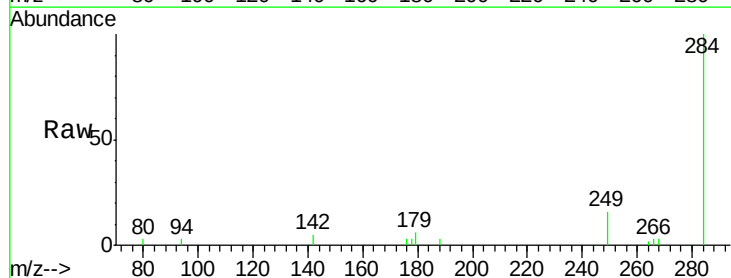
#13
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.99 min Scan# 1558
Delta R.T. 0.00 min
Lab File: BM001045.D
Acq: 18 Apr 2015 00:31

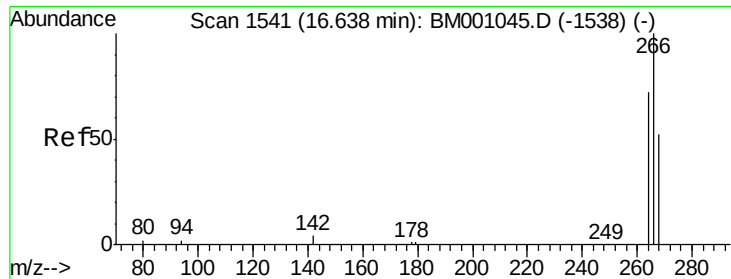
Tot Ion:188 Resp: 66981
Ion Ratio Lower Upper
188 100
94 4.5 3.6 5.4
80 3.8 3.0 4.6



#14
Hexachlorobenzene
Concen: 0.93 ng
RT: 16.31 min Scan# 1525
Delta R.T. 0.00 min
Lab File: BM001045.D
Acq: 18 Apr 2015 00:31

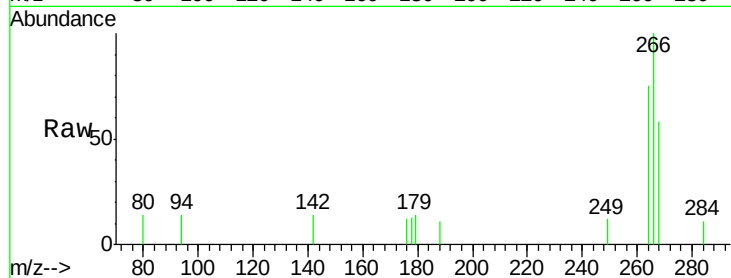
Tgt Ion:284 Resp: 3614
Ion Ratio Lower Upper
284 100
142 0.0 0.0 0.0
249 0.0 0.0 0.0



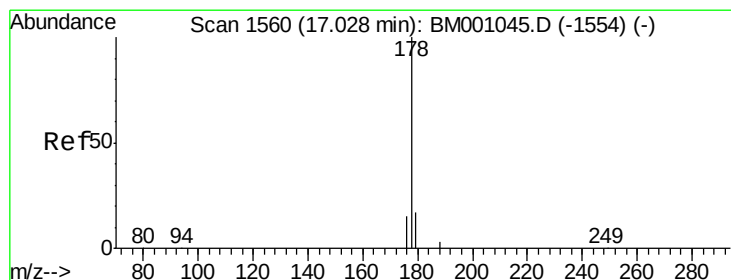
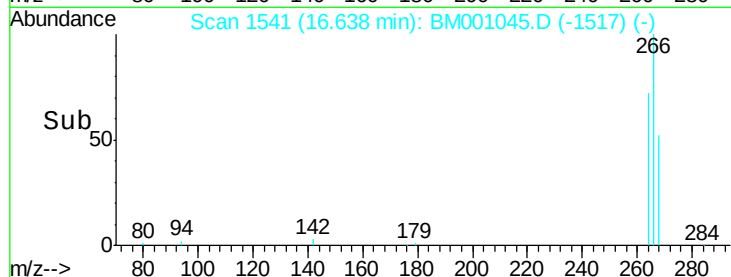
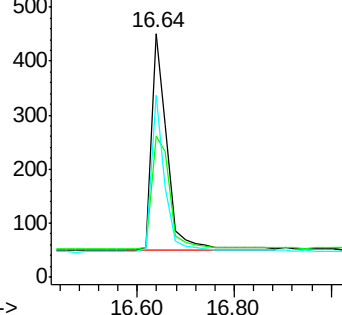


#15
 Pentachlorophenol
 Concen: 0.93 ng
 RT: 16.64 min Scan# 1541
 Delta R.T. 0.00 min
 Lab File: BM001045.D
 Acq: 18 Apr 2015 00:31

Tot Ion: 266 Resp: 910
 Ion Ratio Lower Upper
 266 100
 268 57.9 46.3 69.5
 264 74.7 59.8 89.6

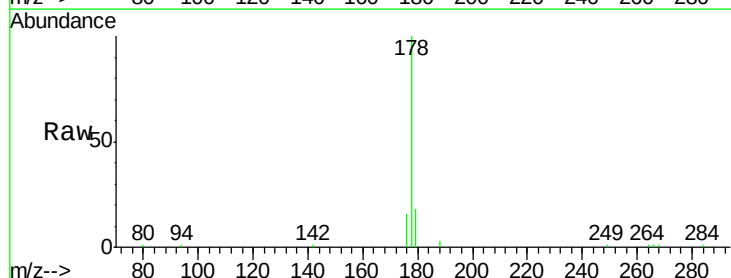


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

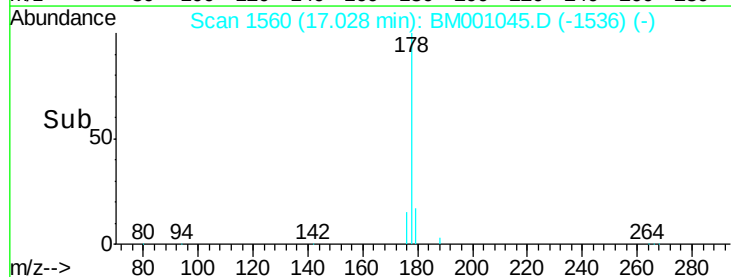
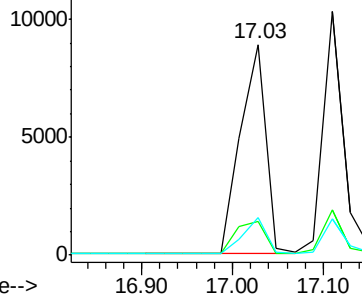


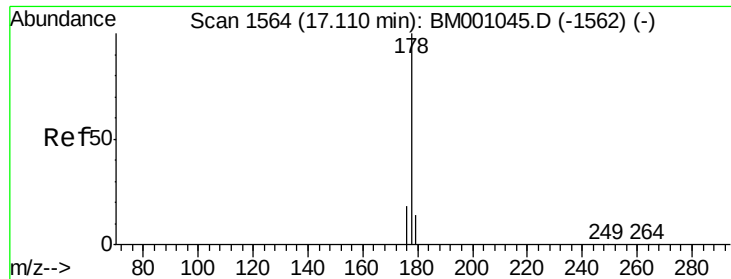
#16
 Phenanthrene
 Concen: 0.96 ng
 RT: 17.03 min Scan# 1560
 Delta R.T. 0.00 min
 Lab File: BM001045.D
 Acq: 18 Apr 2015 00:31

Tgt Ion: 178 Resp: 17411
 Ion Ratio Lower Upper
 178 100
 176 18.3 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: 1.06 ng

RT: 17.11 min Scan# 1564

Delta R.T. 0.00 min

Lab File: BM001045.D

Acq: 18 Apr 2015 00:31

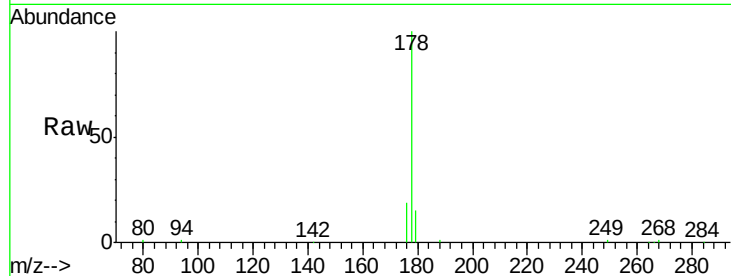
Tot Ion:178 Resp: 16455

Ion Ratio Lower Upper

178 100

176 17.9 14.3 21.5

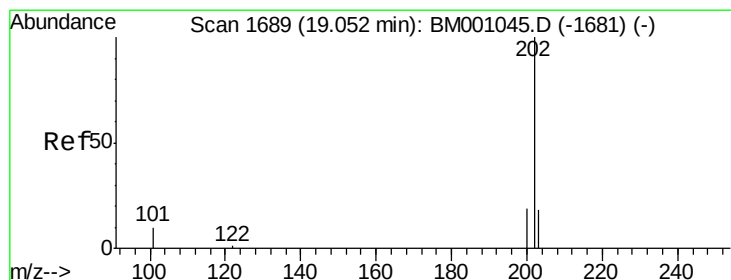
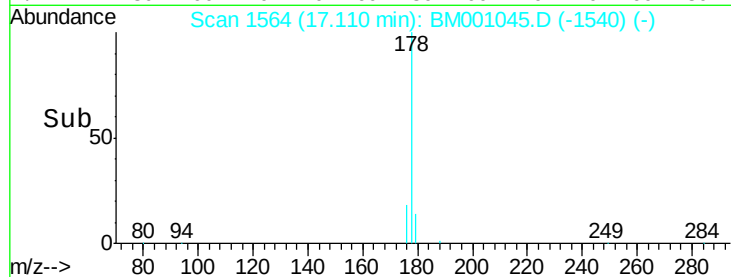
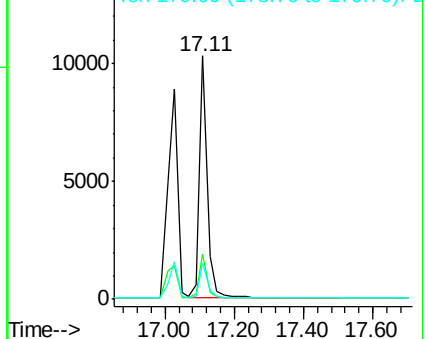
179 14.8 11.8 17.8



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: 1.02 ng

RT: 19.05 min Scan# 1689

Delta R.T. 0.00 min

Lab File: BM001045.D

Acq: 18 Apr 2015 00:31

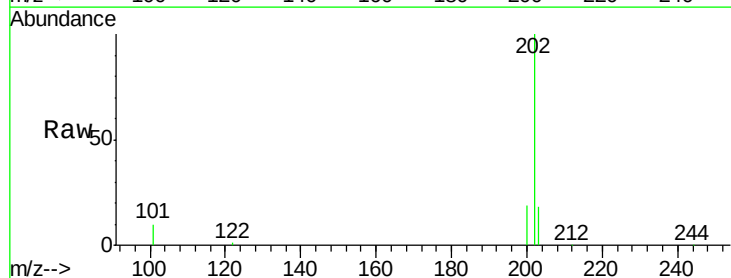
Tgt Ion:202 Resp: 18609

Ion Ratio Lower Upper

202 100

101 12.6 10.1 15.1

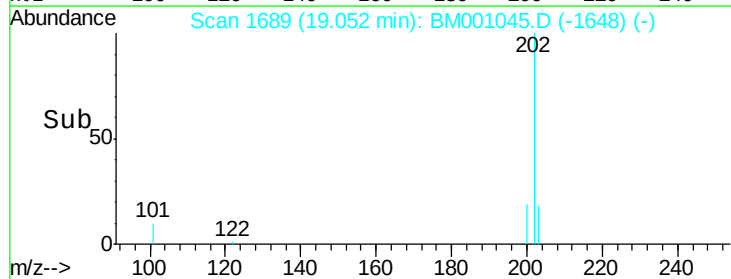
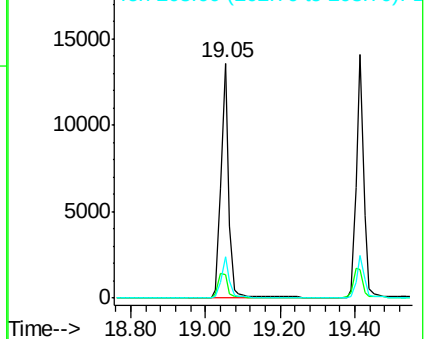
203 17.3 13.8 20.8

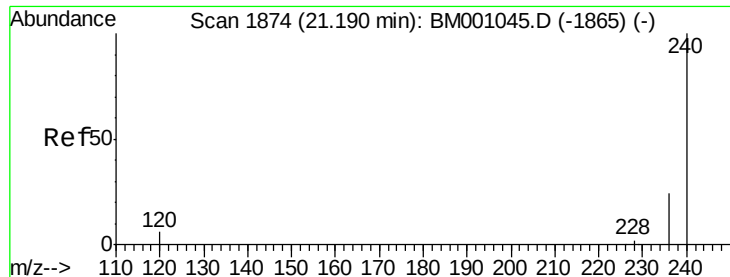


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

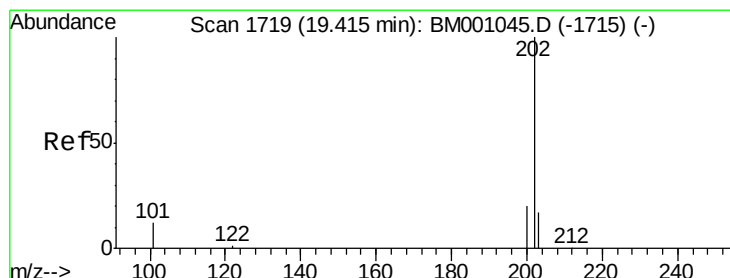
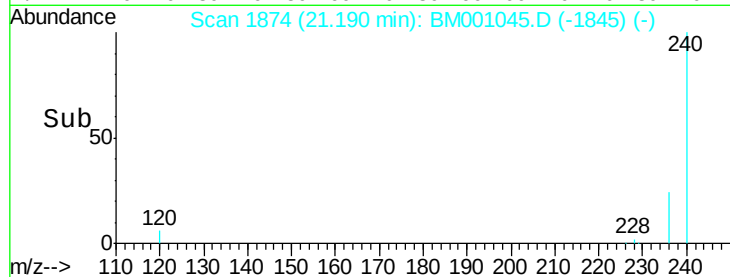
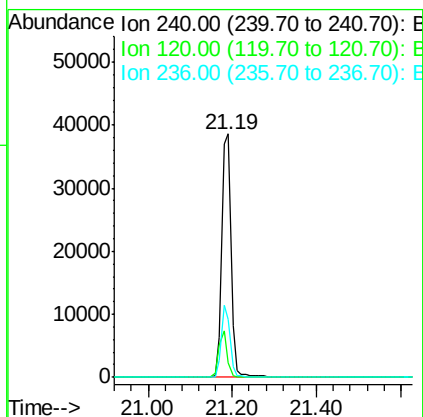
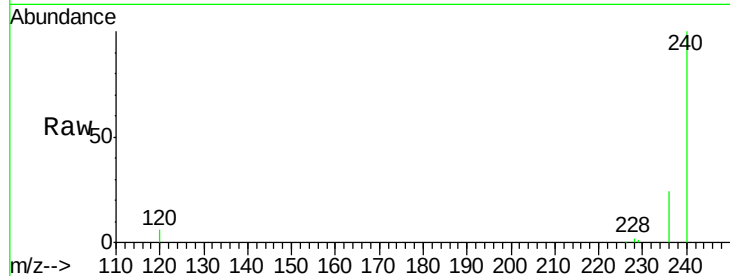
Ion 203.00 (202.70 to 203.70): E





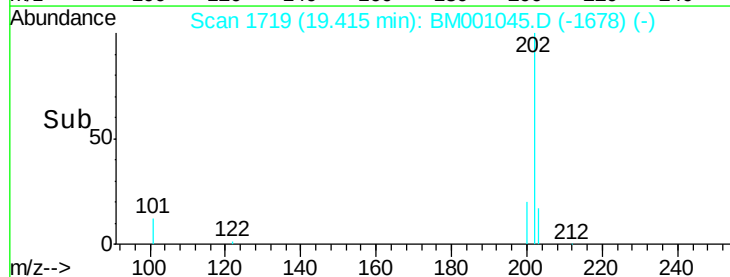
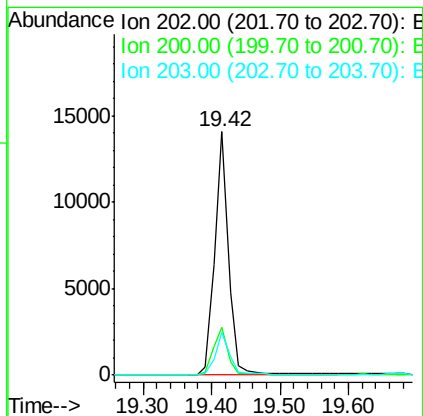
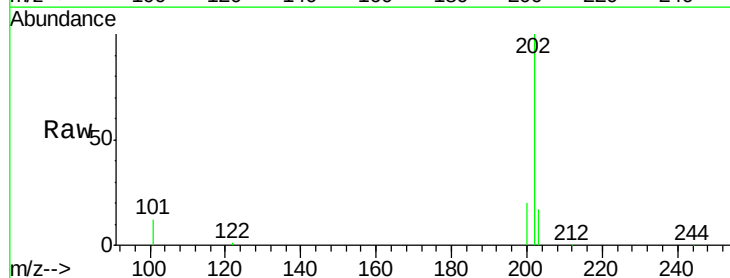
#19
Chrysene-d12
Concen: 5.00 ng
RT: 21.19 min Scan# 1874
Delta R.T. 0.00 min
Lab File: BM001045.D
Acq: 18 Apr 2015 00:31

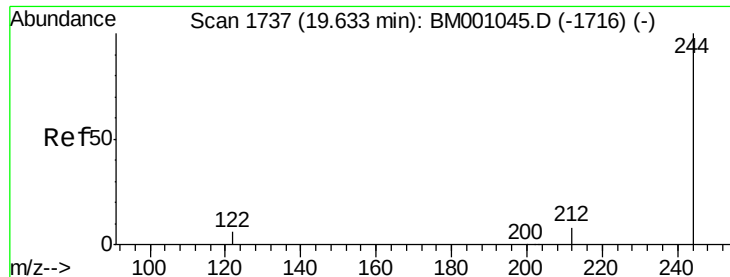
Tot Ion:240 Resp: 58610
Ion Ratio Lower Upper
240 100
120 5.7 4.6 6.8
236 23.9 19.1 28.7



#20
Pyrene
Concen: 1.01 ng
RT: 19.42 min Scan# 1719
Delta R.T. 0.00 min
Lab File: BM001045.D
Acq: 18 Apr 2015 00:31

Tgt Ion:202 Resp: 19226
Ion Ratio Lower Upper
202 100
200 20.4 16.3 24.5
203 17.2 13.8 20.6





#21

Terphenyl-d14

Concen: 1.09 ng

RT: 19.63 min Scan# 1737

Delta R.T. 0.00 min

Lab File: BM001045.D

Acq: 18 Apr 2015 00:31

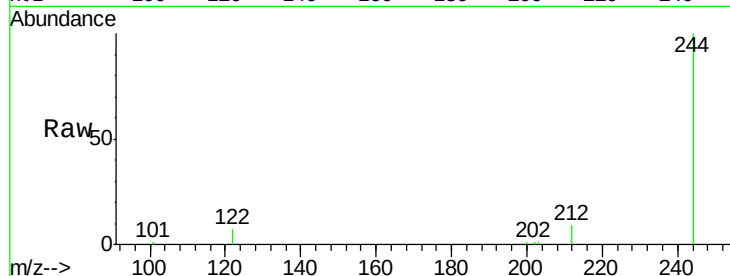
Tot Ion:244 Resp: 7788

Ion Ratio Lower Upper

244 100

212 8.9 7.1 10.7

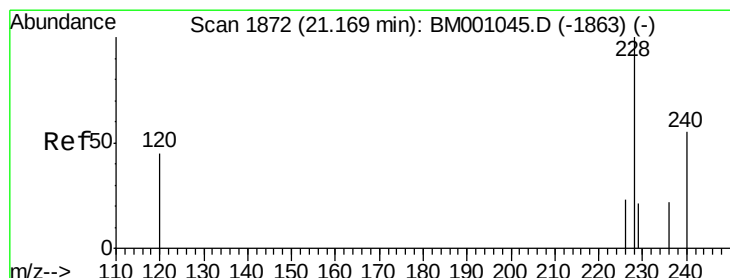
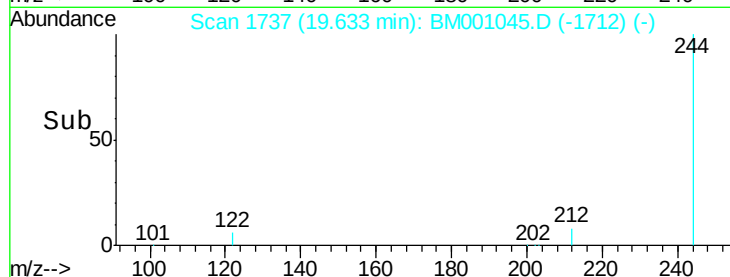
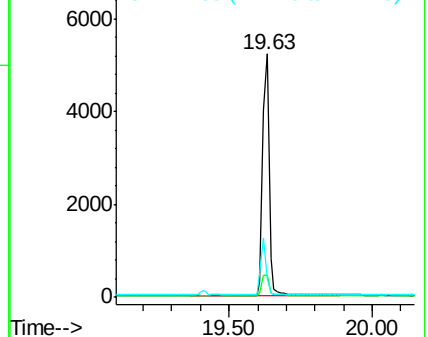
122 7.4 5.9 8.9



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: 0.99 ng

RT: 21.17 min Scan# 1872

Delta R.T. 0.00 min

Lab File: BM001045.D

Acq: 18 Apr 2015 00:31

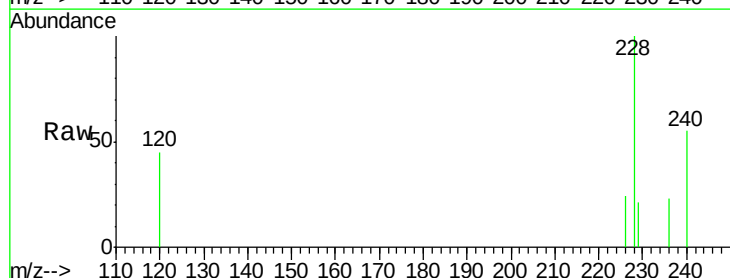
Tgt Ion:228 Resp: 16532

Ion Ratio Lower Upper

228 100

226 23.8 19.0 28.6

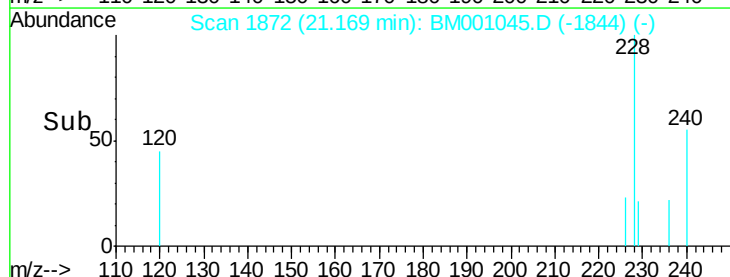
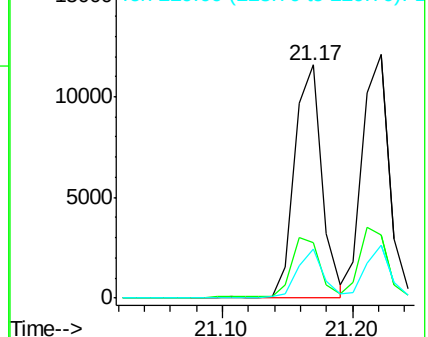
229 21.0 16.8 25.2

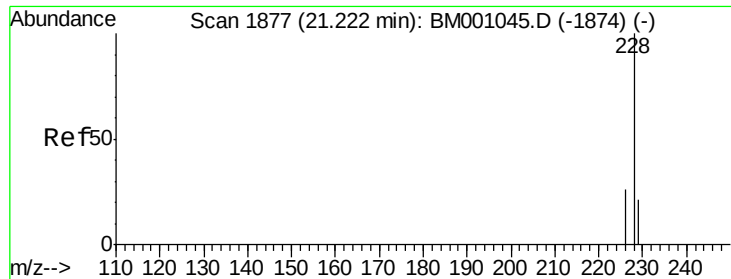


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#23

Chrysene

Concen: 1.01 ng

RT: 21.22 min Scan# 1877

Delta R.T. 0.00 min

Lab File: BM001045.D

Acq: 18 Apr 2015 00:31

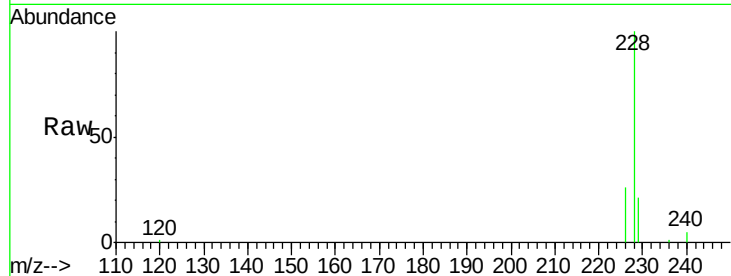
Tot Ion:228 Resp: 17629

Ion Ratio Lower Upper

228 100

226 25.8 20.6 31.0

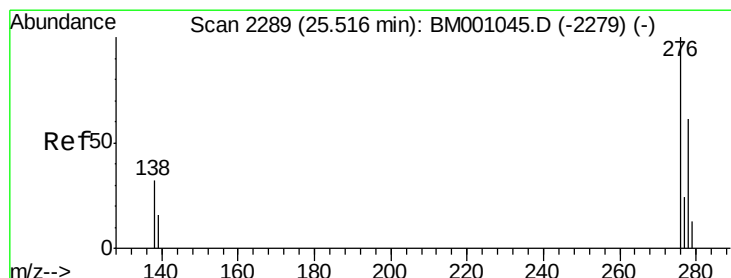
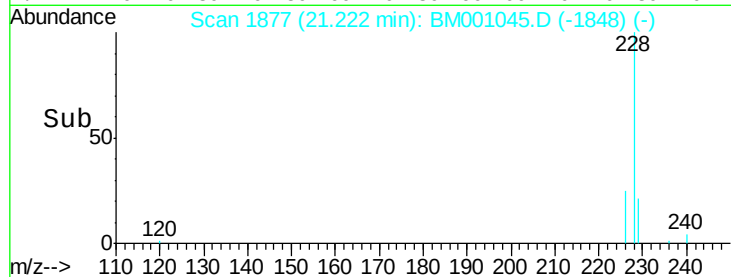
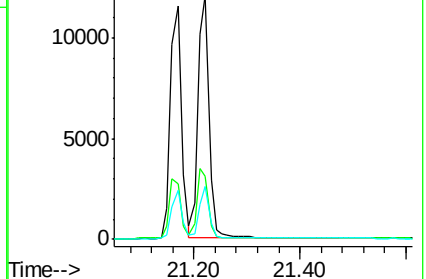
229 21.5 17.2 25.8



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: 1.00 ng

RT: 25.52 min Scan# 2289

Delta R.T. 0.00 min

Lab File: BM001045.D

Acq: 18 Apr 2015 00:31

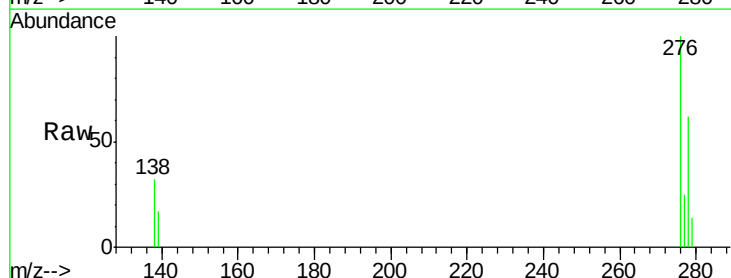
Tgt Ion:276 Resp: 18080

Ion Ratio Lower Upper

276 100

138 33.0 26.3 39.5

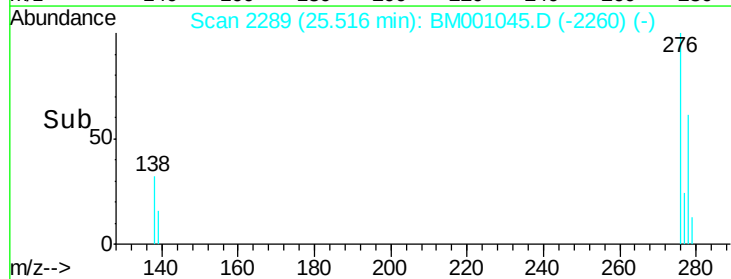
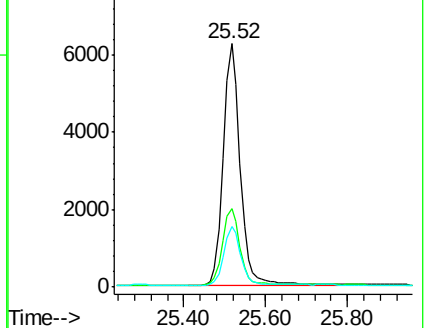
277 24.4 19.5 29.3

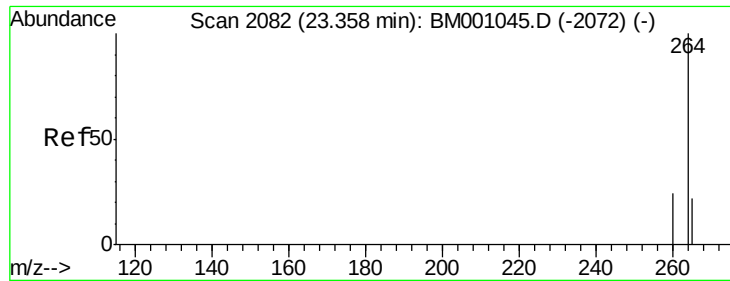


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

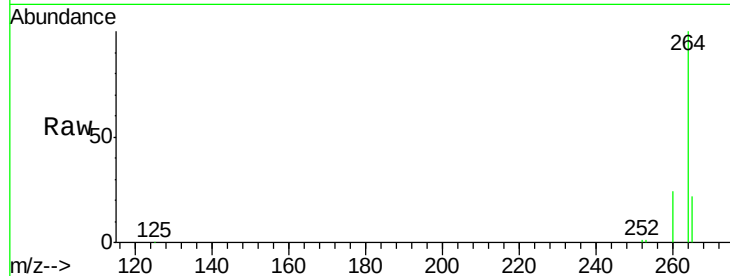
Ion 277.00 (276.70 to 277.70): E



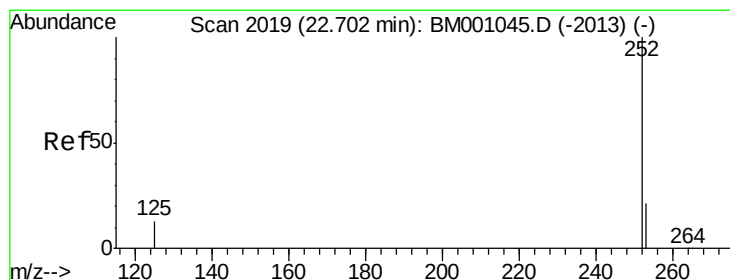
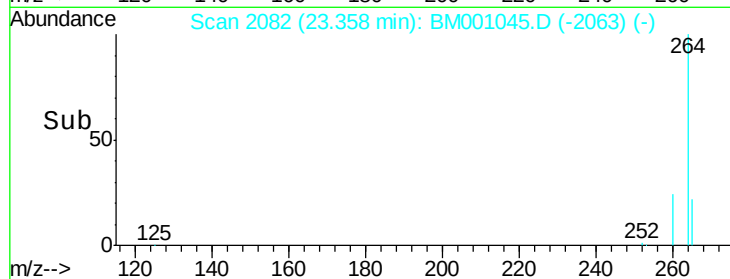
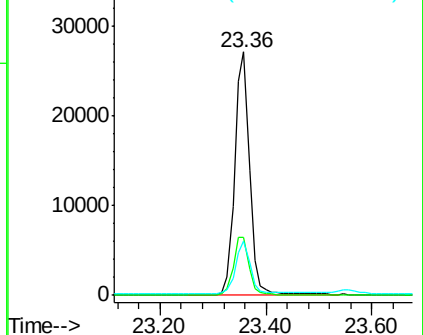


#25
Pervlene-d12
Concen: 5.00 ng
RT: 23.36 min Scan# 2082
Delta R.T. 0.00 min
Lab File: BM001045.D
Acq: 18 Apr 2015 00:31

Tot Ion:264 Resp: 52393
Ion Ratio Lower Upper
264 100
260 23.8 19.0 28.6
265 22.4 17.9 26.9

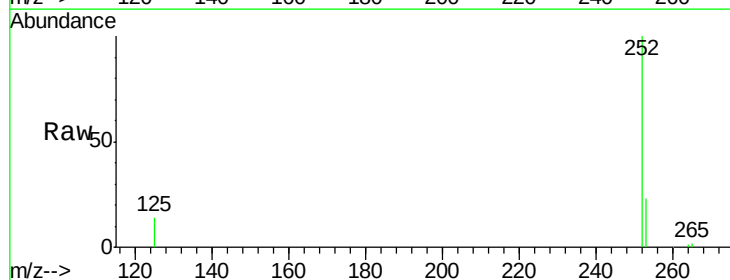


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

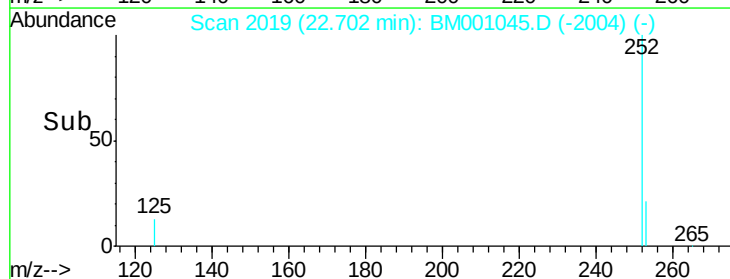
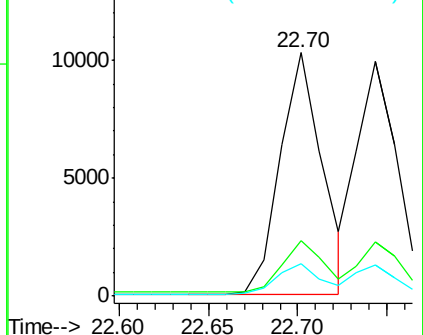


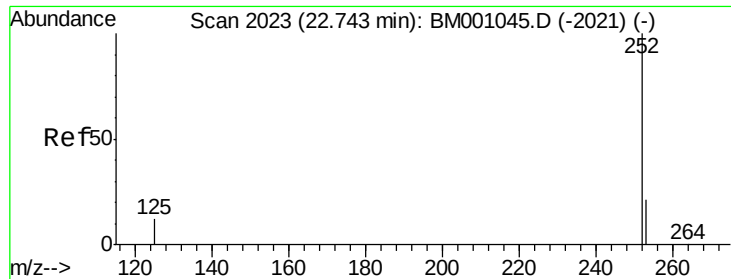
#26
Benzo(b)fluoranthene
Concen: 1.02 ng
RT: 22.70 min Scan# 2019
Delta R.T. 0.00 min
Lab File: BM001045.D
Acq: 18 Apr 2015 00:31

Tgt Ion:252 Resp: 16774
Ion Ratio Lower Upper
252 100
253 22.7 18.2 27.2
125 13.6 10.9 16.3



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





#27

Benzo(k)fluoranthene

Concen: 1.02 ng

RT: 22.74 min Scan# 2023

Delta R.T. 0.00 min

Lab File: BM001045.D

Acq: 18 Apr 2015 00:31

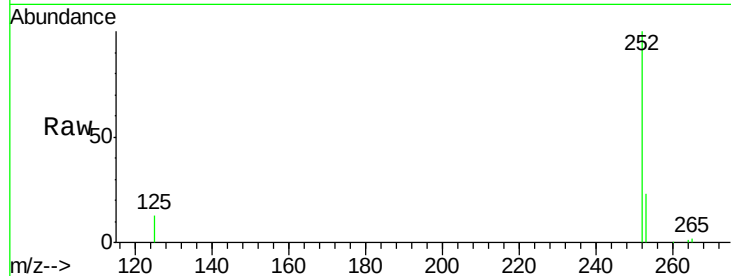
Tot Ion:252 Resp: 16168

Ion Ratio Lower Upper

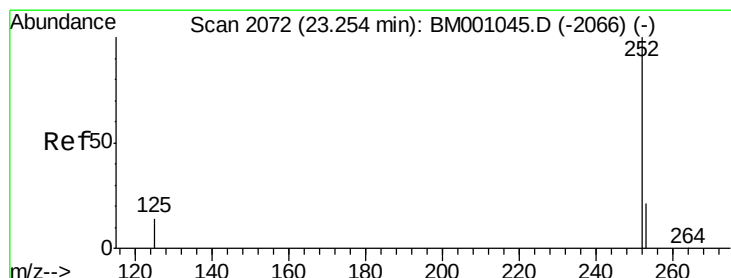
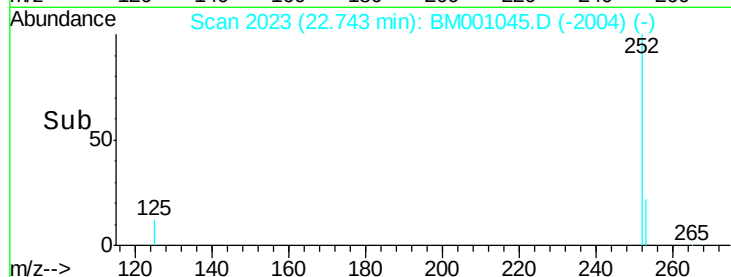
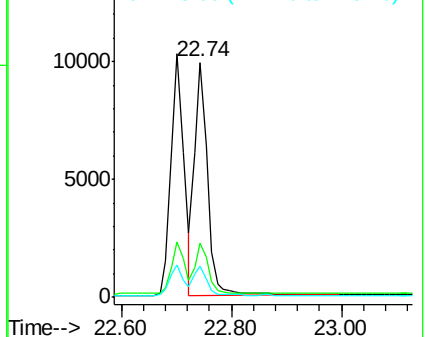
252 100

253 22.9 18.3 27.5

125 13.2 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: 1.01 ng

RT: 23.25 min Scan# 2072

Delta R.T. 0.00 min

Lab File: BM001045.D

Acq: 18 Apr 2015 00:31

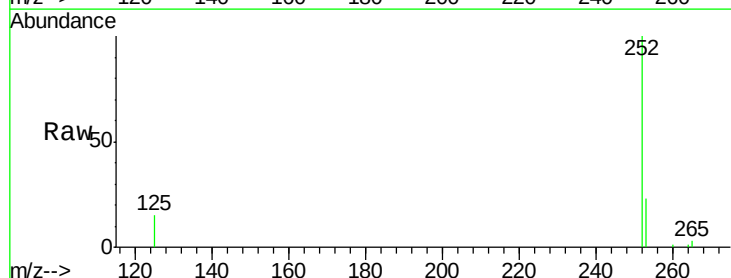
Tgt Ion:252 Resp: 14385

Ion Ratio Lower Upper

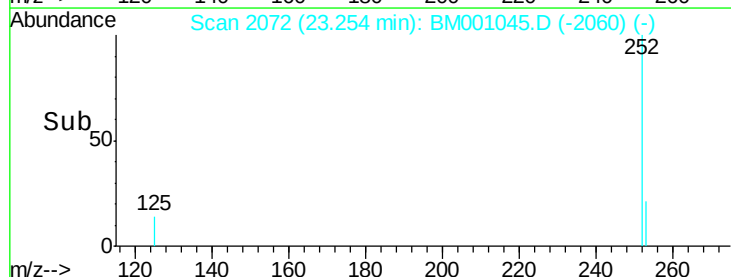
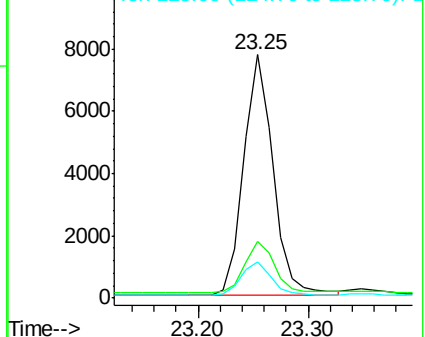
252 100

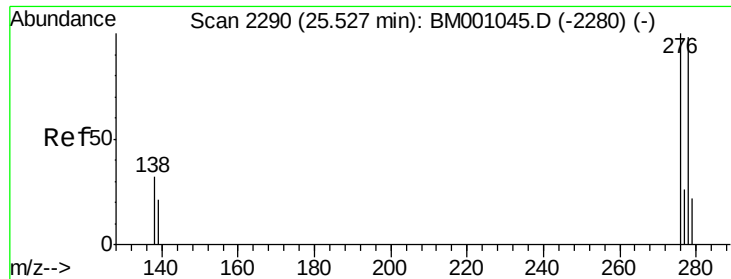
253 23.2 18.6 27.8

125 14.9 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

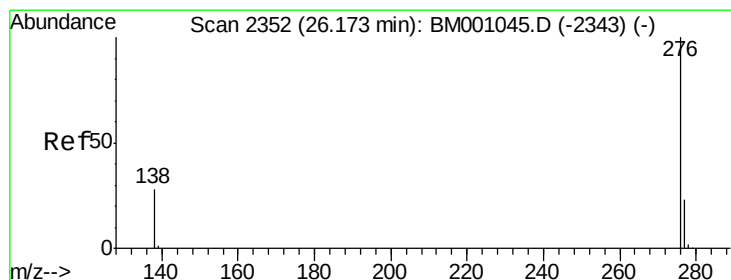
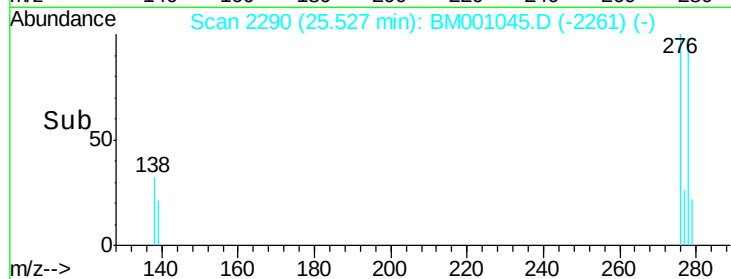
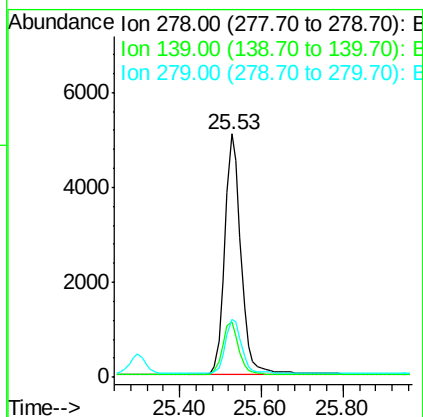
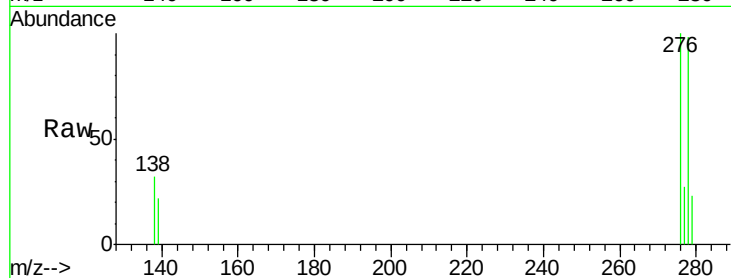




#29
Dibenzo(a,h)anthracene
Concen: 1.02 ng
RT: 25.53 min Scan# 2290
Delta R.T. 0.00 min
Lab File: BM001045.D
Acq: 18 Apr 2015 00:31

Tot Ion:278 Resp: 14254

Ion	Ratio	Lower	Upper
278	100		
139	22.7	18.2	27.2
279	23.9	19.1	28.7



#30
Benzo(g,h,i)perylene
Concen: 1.01 ng
RT: 26.17 min Scan# 2352
Delta R.T. 0.00 min
Lab File: BM001045.D
Acq: 18 Apr 2015 00:31

Tgt Ion:276 Resp: 15210

Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.0	28.4
138	29.3	23.4	35.2

