

Data Path : Z:\HPCHEM1\BNA M\DATA\BM041815\
 Data File : BM001053.D
 Acq On : 18 Apr 2015 09:49
 Operator : TP/IZ
 Sample : PB82802BS
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Quant Time: Apr 20 08:16:32 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SIMPAH-BM041815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 20 08:05:22 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.58	152	23046	5.00	ng	0.00
4) Naphthalene-d8	10.36	136	83944	5.00	ng	0.00
8) Acenaphthene-d10	14.24	164	45323	5.00	ng	0.00
13) Phenanthrene-d10	16.99	188	99045	5.00	ng	0.00
19) Chrysene-d12	21.19	240	91756	5.00	ng	0.00
25) Perylene-d12	23.36	264	82685	5.00	ng	0.00

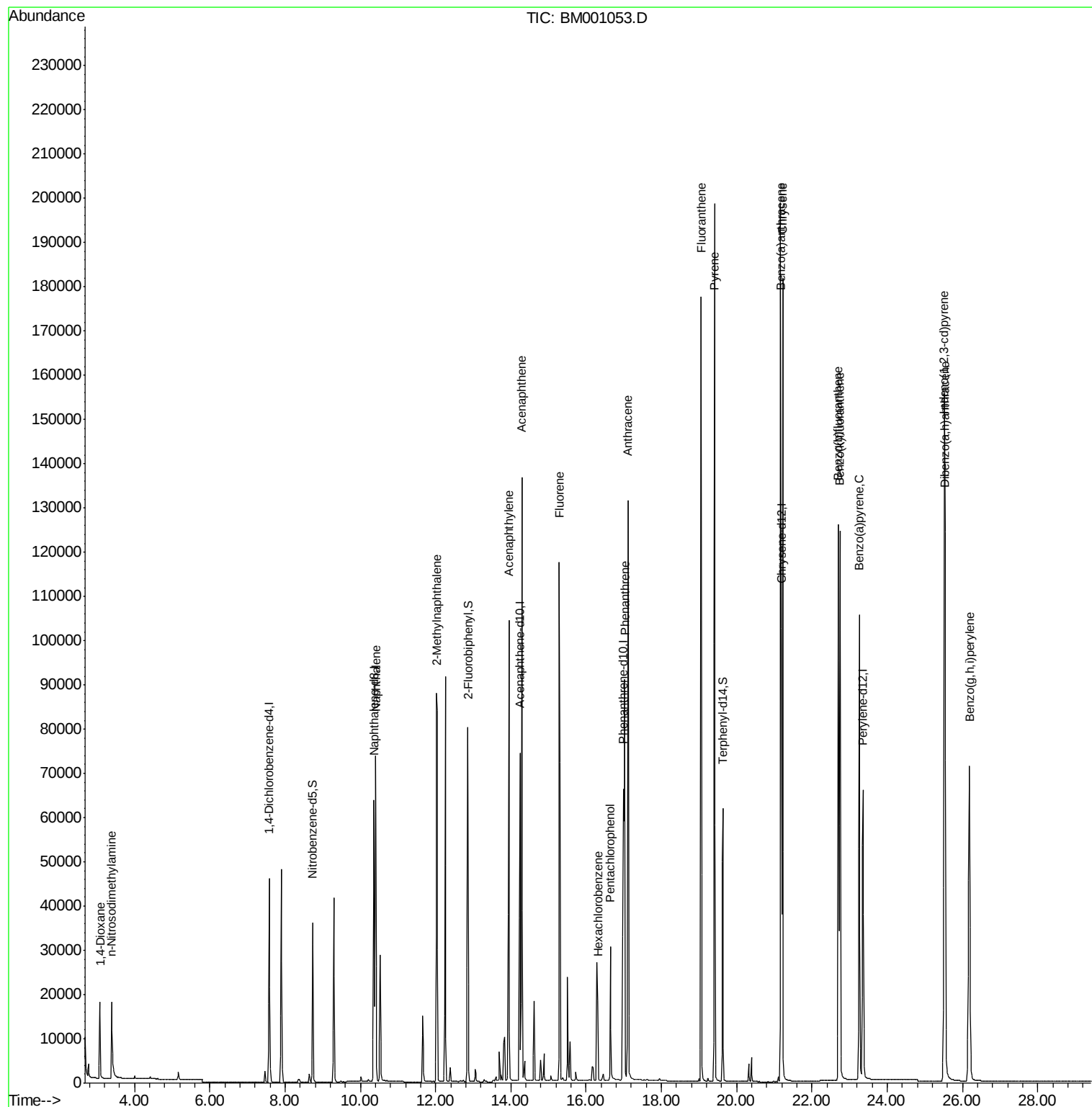
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) Nitrobenzene-d5	8.74	82	28956	6.61	ng	0.00
9) 2-Fluorobiphenyl	12.86	172	83658	5.59	ng	0.00
21) Terphenyl-d14	19.63	244	70383	5.79	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) 1,4-Dioxane	3.08	88	12032	4.63	ng	# 100
3) n-Nitrosodimethylamine	3.39	42	14266	5.86	ng	95
6) Naphthalene	10.41	128	104650	5.22	ng	99
7) 2-Methylnaphthalene	12.04	142	69183	5.35	ng	96
10) Acenaphthylene	13.95	152	121367	6.06	ng	99
11) Acenaphthene	14.29	154	71826	5.12	ng	99
12) Fluorene	15.29	166	89610	5.55	ng	99
14) Hexachlorobenzene	16.31	284	29469	5.38	ng	# 100
15) Pentachlorophenol	16.64	266	24894	12.61	ng	95
16) Phenanthrene	17.03	178	136983	5.21	ng	99
17) Anthracene	17.11	178	145421	6.02	ng	99
18) Fluoranthene	19.05	202	162428	5.92	ng	100
20) Pyrene	19.42	202	175096	5.76	ng	99
22) Benzo(a)anthracene	21.17	228	159810	6.01	ng	99
23) Chrysene	21.22	228	156881	5.60	ng	98
24) Indeno(1,2,3-cd)pyrene	25.52	276	160958	5.63	ng	99
26) Benzo(b)fluoranthene	22.70	252	151059	5.68	ng	98
27) Benzo(k)fluoranthene	22.74	252	152363	5.98	ng	97
28) Benzo(a)pyrene	23.25	252	142497	6.27	ng	97
29) Dibenzo(a,h)anthracene	25.54	278	131919	5.87	ng	96
30) Benzo(g,h,i)perylene	26.18	276	137483	5.65	ng	98

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

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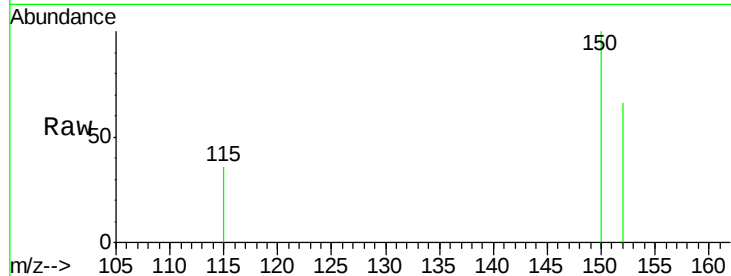




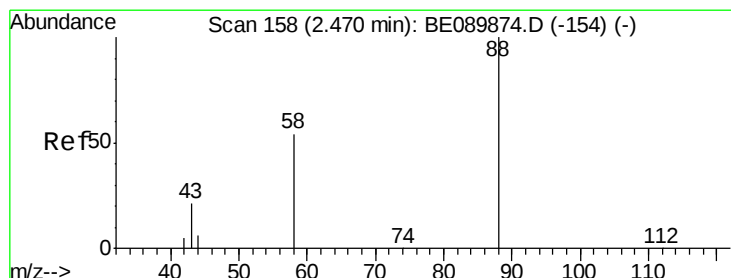
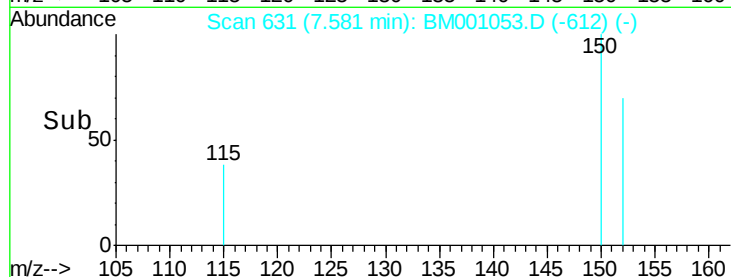
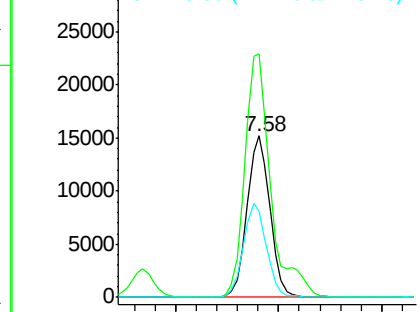
#1

1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.58 min Scan# 631
Delta R.T. 0.00 min
Lab File: BM001053.D
Acq: 18 Apr 2015 09:49

Tot Ion:152 Resp: 23046
Ion Ratio Lower Upper
152 100
150 151.0 123.3 184.9
115 53.8 45.0 67.6



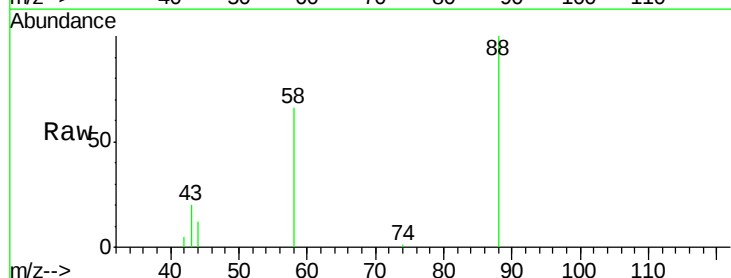
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



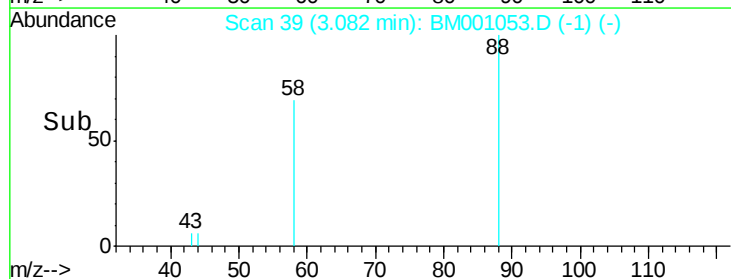
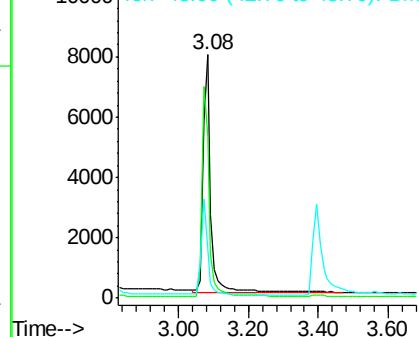
#2

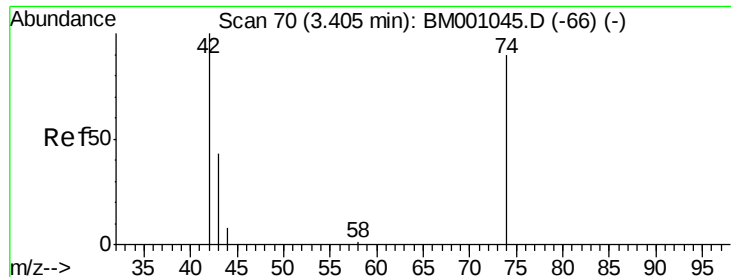
1,4-Dioxane
Concen: 4.63 ng
RT: 3.08 min Scan# 39
Delta R.T. 0.00 min
Lab File: BM001053.D
Acq: 18 Apr 2015 09:49

Tgt Ion: 88 Resp: 12032
Ion Ratio Lower Upper
88 100
58 82.1 0.0 0.0#
43 34.7 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

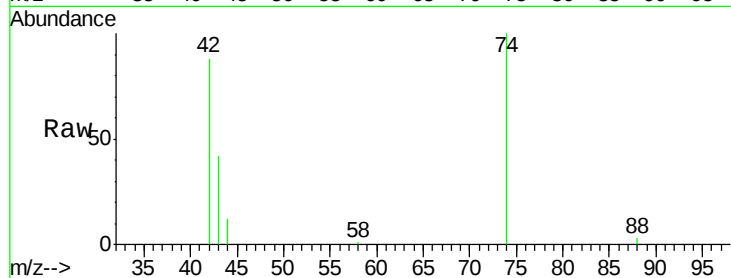




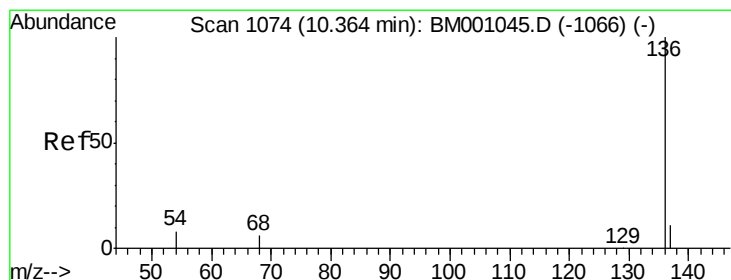
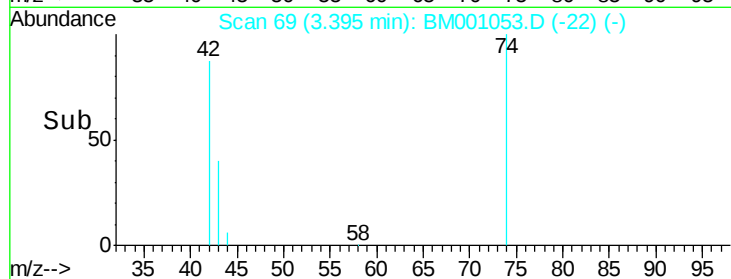
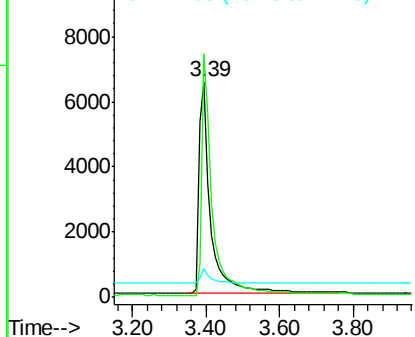
#3

n-Nitrosodimethylamine
 Concen: 5.86 ng
 RT: 3.39 min Scan# 69
 Delta R.T. -0.01 min
 Lab File: BM001053.D
 Acq: 18 Apr 2015 09:49

Tot Ion: 42 Resp: 14266
 Ion Ratio Lower Upper
 42 100
 74 109.1 92.1 138.1
 44 5.9 5.8 8.6



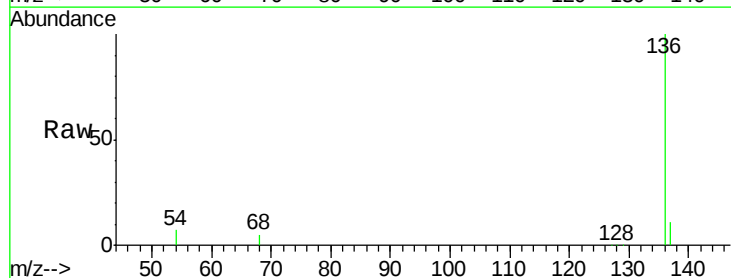
Abundance Ion 42.00 (41.70 to 42.70): BM0
 Ion 74.00 (73.70 to 74.70): BM0
 Ion 44.00 (43.70 to 44.70): BM0



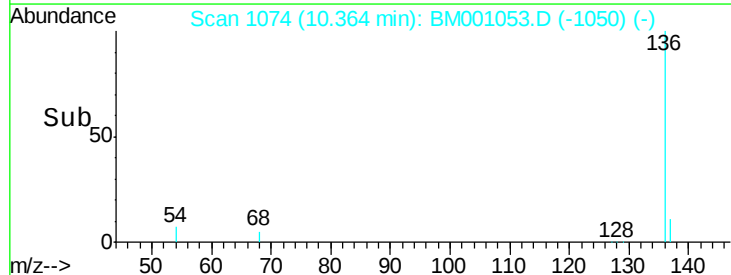
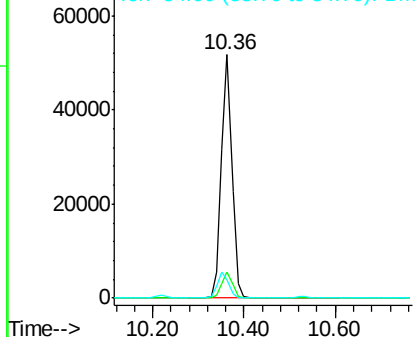
#4

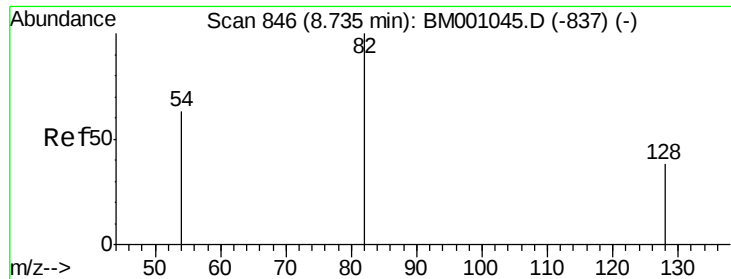
Naphthalene-d8
 Concen: 5.00 ng
 RT: 10.36 min Scan# 1074
 Delta R.T. 0.00 min
 Lab File: BM001053.D
 Acq: 18 Apr 2015 09:49

Tgt Ion: 136 Resp: 83944
 Ion Ratio Lower Upper
 136 100
 137 10.8 8.6 13.0
 54 7.3 6.5 9.7



Abundance Ion 136.00 (135.70 to 136.70): E
 Ion 137.00 (136.70 to 137.70): E
 Ion 54.00 (53.70 to 54.70): BM0





#5

Nitrobenzene-d5

Concen: 6.61 ng

RT: 8.74 min Scan# 846

Delta R.T. 0.00 min

Lab File: BM001053.D

Acq: 18 Apr 2015 09:49

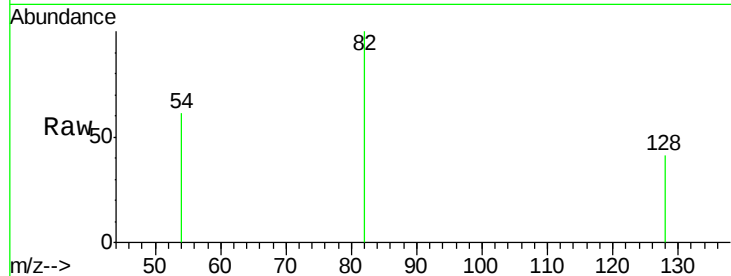
Tot Ion: 82 Resp: 28956

Ion Ratio Lower Upper

82 100

128 41.0 31.9 47.9

54 60.6 51.3 76.9

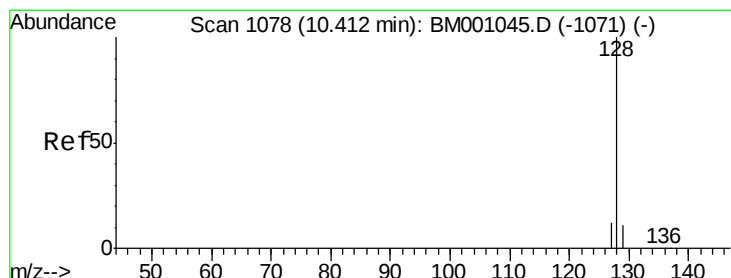
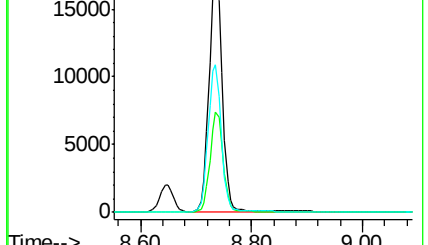
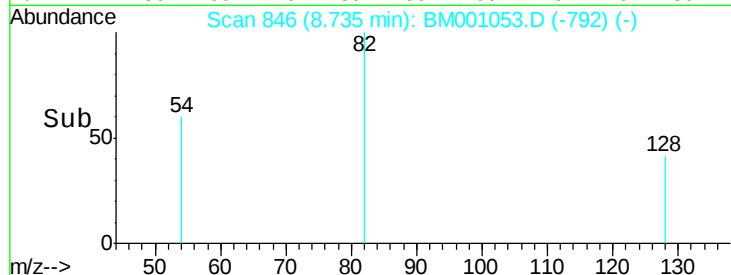


Abundance Ion 82.00 (81.70 to 82.70): BM001045.D (-837) (-)

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

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

Time-->



#6

Naphthalene

Concen: 5.22 ng

RT: 10.41 min Scan# 1078

Delta R.T. 0.00 min

Lab File: BM001053.D

Acq: 18 Apr 2015 09:49

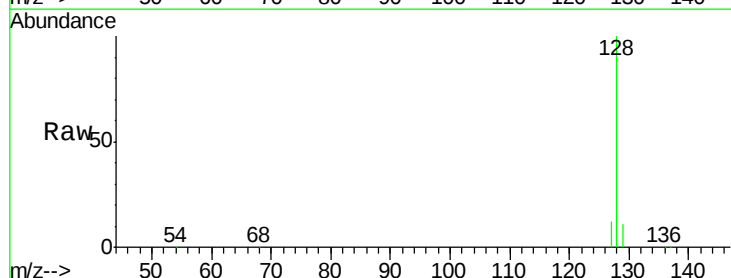
Tgt Ion: 128 Resp: 104650

Ion Ratio Lower Upper

128 100

129 11.3 9.3 13.9

127 11.9 10.0 15.0

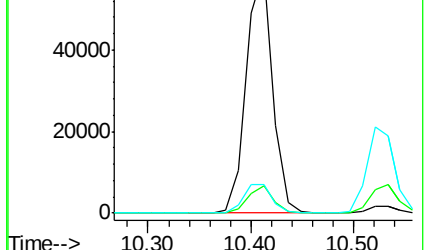
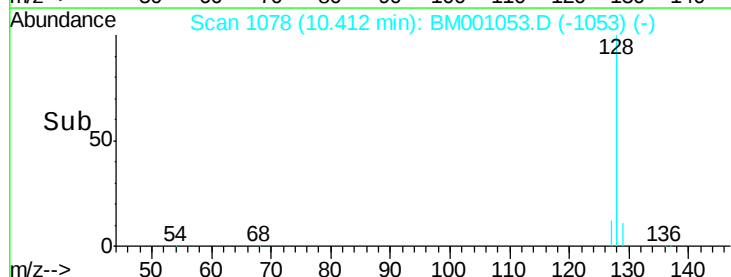


Abundance Ion 128.00 (127.70 to 128.70): BM001045.D (-1071) (-)

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

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

Time-->





#7

2-Methylnaphthalene

Concen: 5.35 ng

RT: 12.04 min Scan# 1224

Delta R.T. 0.00 min

Lab File: BM001053.D

Acq: 18 Apr 2015 09:49

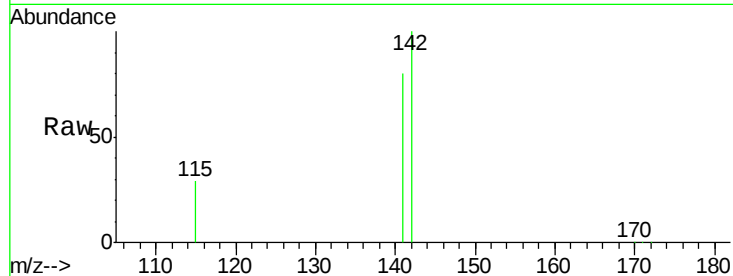
Tot Ion:142 Resp: 69183

Ion Ratio Lower Upper

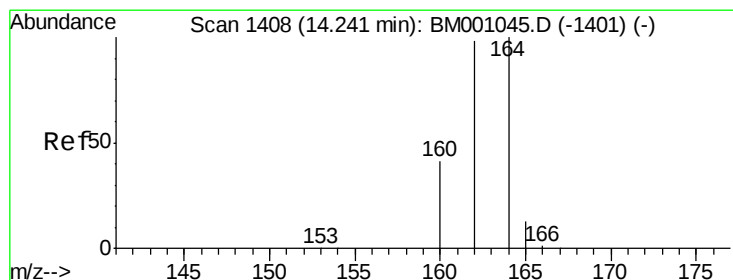
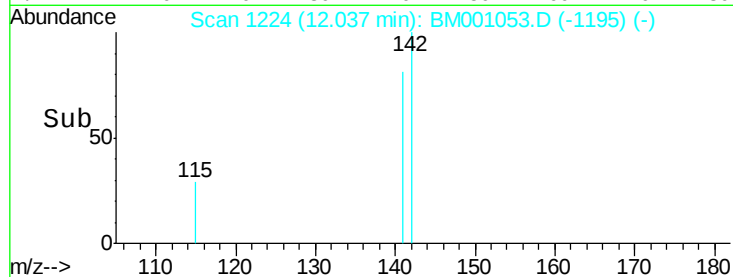
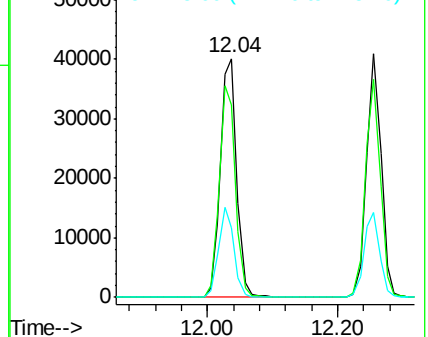
142 100

141 80.5 66.7 100.1

115 29.2 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: BM001053.D

Acq: 18 Apr 2015 09:49

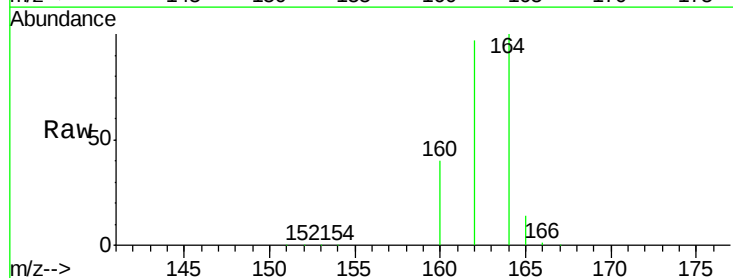
Tgt Ion:164 Resp: 45323

Ion Ratio Lower Upper

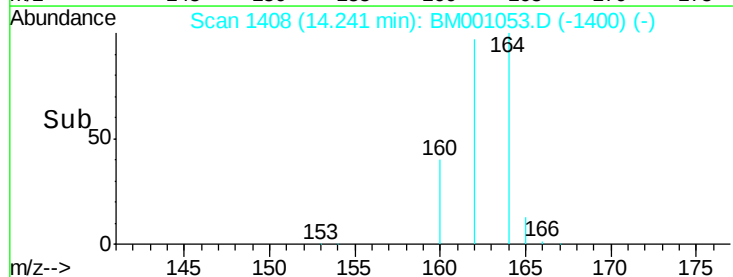
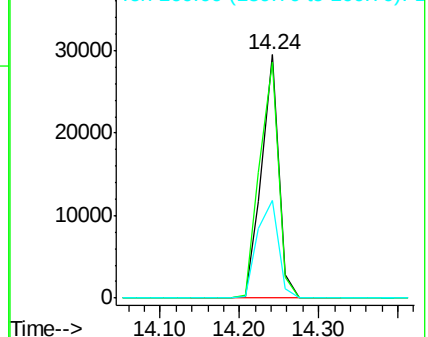
164 100

162 97.0 78.5 117.7

160 40.0 32.9 49.3



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





#9

2-Fluorobiphenyl

Concen: 5.59 ng

RT: 12.86 min Scan# 1303

Delta R.T. 0.00 min

Lab File: BM001053.D

Acq: 18 Apr 2015 09:49

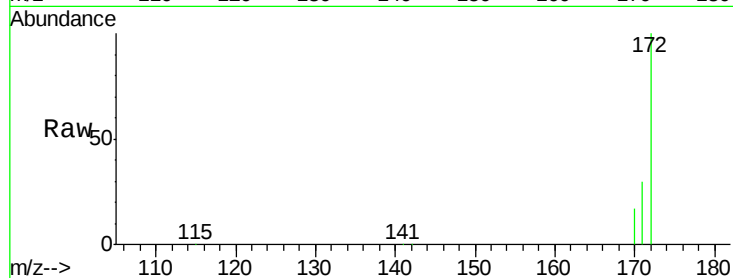
Tot Ion:172 Resp: 83658

Ion Ratio Lower Upper

172 100

171 30.1 25.6 38.4

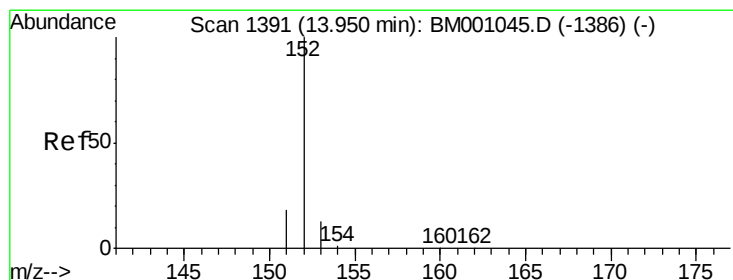
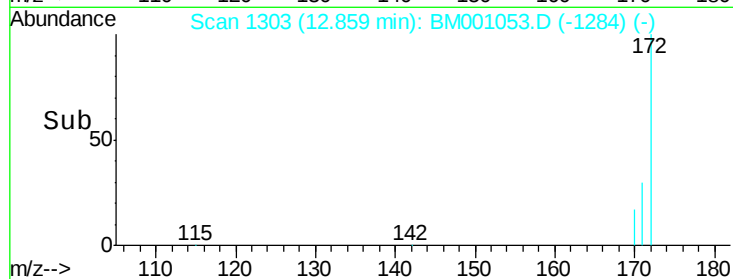
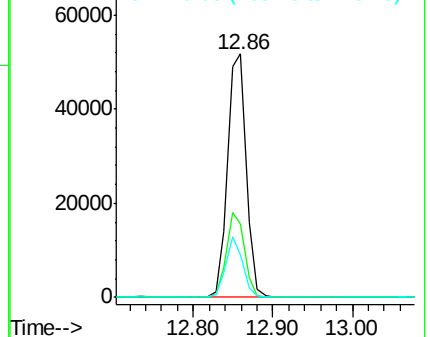
170 17.4 15.8 23.6



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: 6.06 ng

RT: 13.95 min Scan# 1391

Delta R.T. 0.00 min

Lab File: BM001053.D

Acq: 18 Apr 2015 09:49

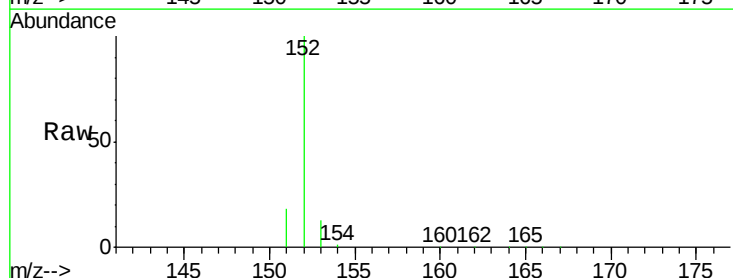
Tgt Ion:152 Resp: 121367

Ion Ratio Lower Upper

152 100

151 18.7 14.7 22.1

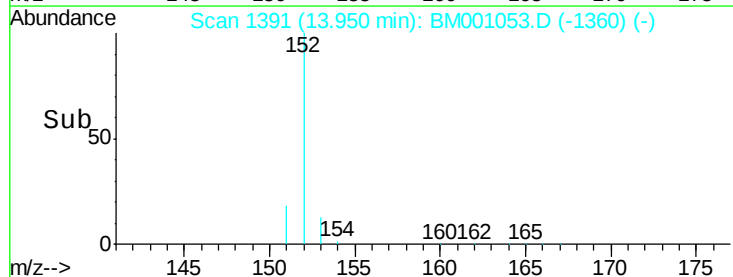
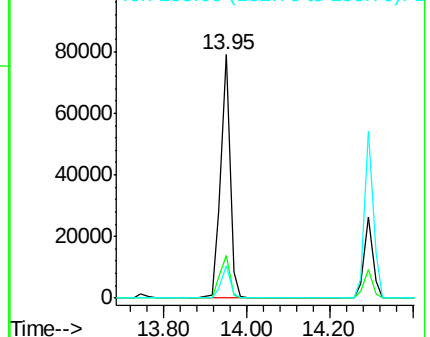
153 12.8 10.2 15.2

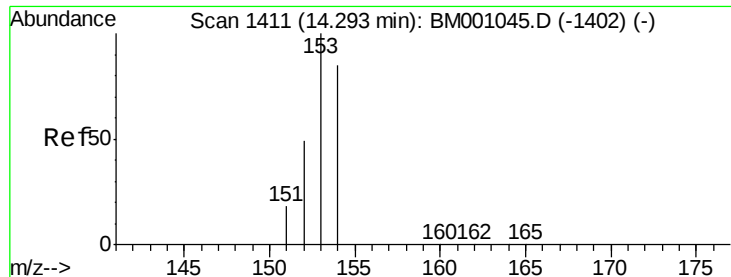


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#11

Acenaphthene

Concen: 5.12 ng

RT: 14.29 min Scan# 1411

Delta R.T. 0.00 min

Lab File: BM001053.D

Acq: 18 Apr 2015 09:49

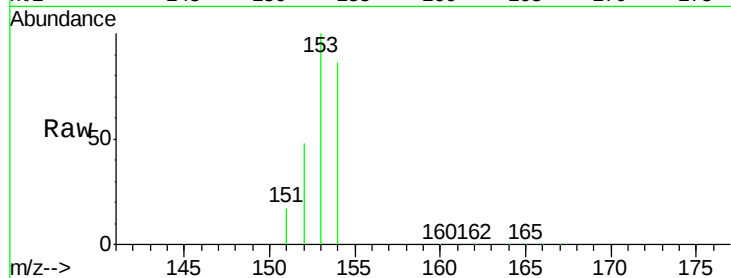
Tot Ion:154 Resp: 71826

Ion Ratio Lower Upper

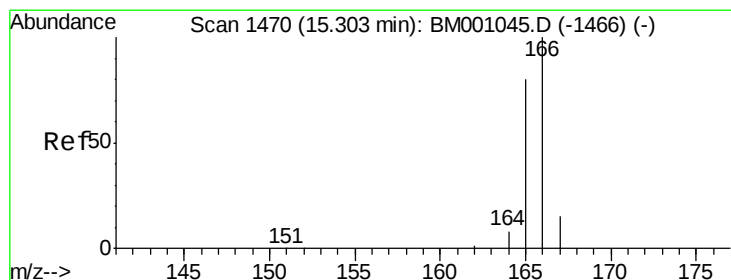
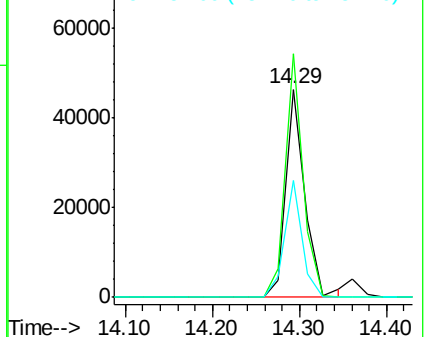
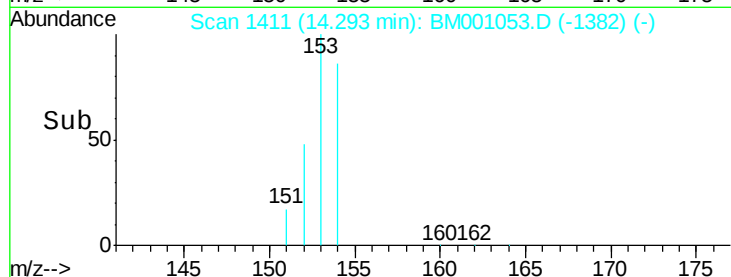
154 100

153 108.4 88.1 132.1

152 52.2 42.3 63.5



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



#12

Fluorene

Concen: 5.55 ng

RT: 15.29 min Scan# 1469

Delta R.T. -0.02 min

Lab File: BM001053.D

Acq: 18 Apr 2015 09:49

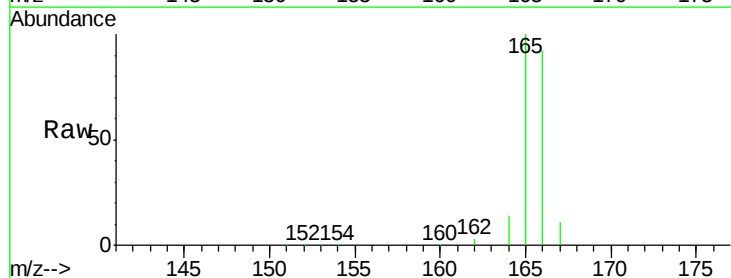
Tgt Ion:166 Resp: 89610

Ion Ratio Lower Upper

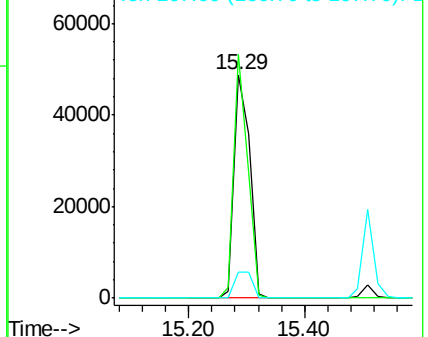
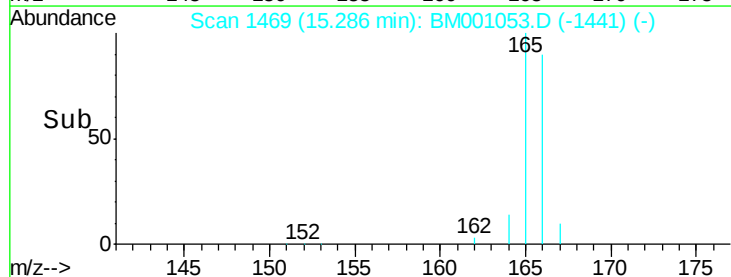
166 100

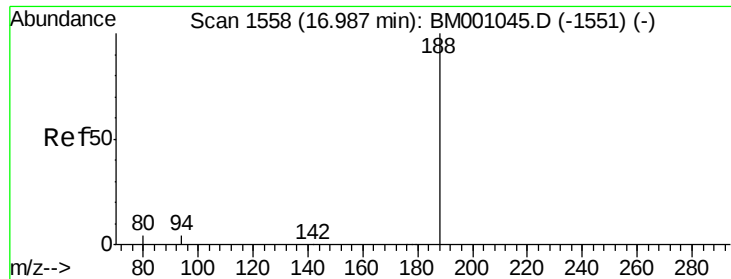
165 96.1 77.6 116.4

167 13.4 10.6 16.0



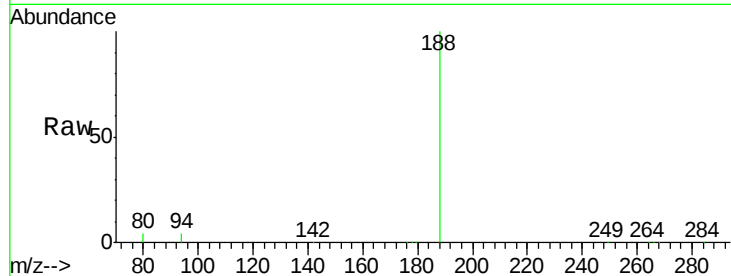
Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E



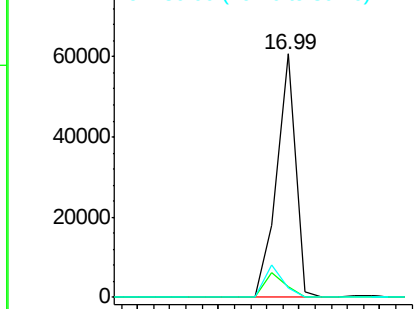


#13
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.99 min Scan# 1558
Delta R.T. 0.00 min
Lab File: BM001053.D
Acq: 18 Apr 2015 09:49

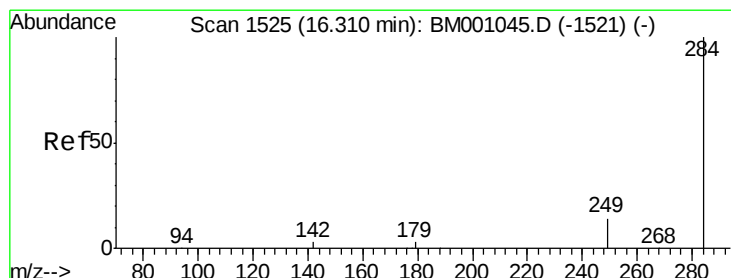
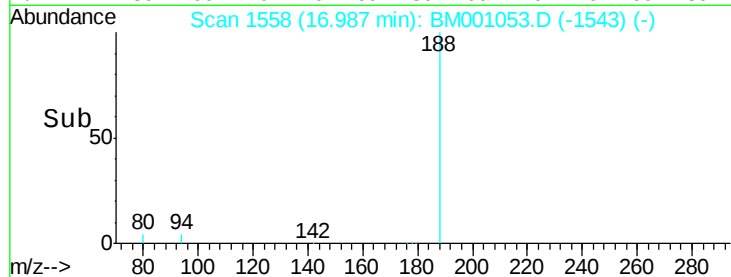
Tot Ion:188 Resp: 99045
Ion Ratio Lower Upper
188 100
94 4.4 3.6 5.4
80 3.8 3.0 4.6



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

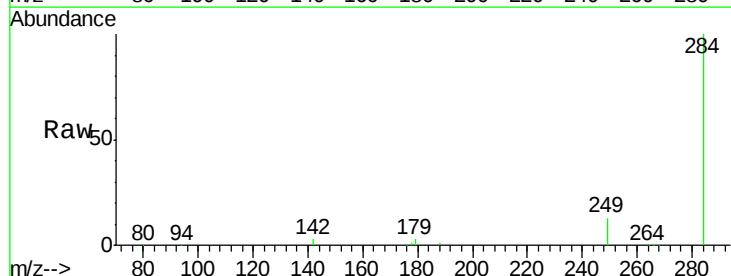


Time-->

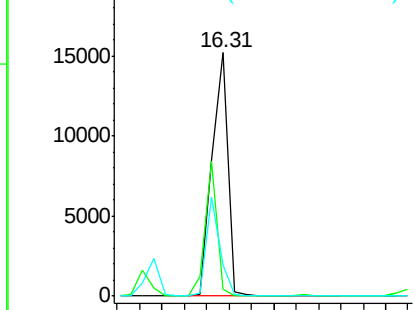


#14
Hexachlorobenzene
Concen: 5.38 ng
RT: 16.31 min Scan# 1525
Delta R.T. 0.00 min
Lab File: BM001053.D
Acq: 18 Apr 2015 09:49

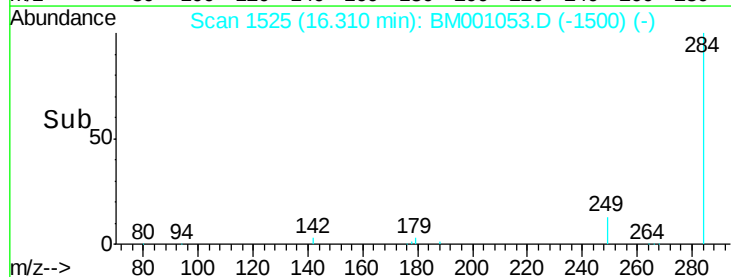
Tgt Ion:284 Resp: 29469
Ion Ratio Lower Upper
284 100
142 0.0 0.0 0.0
249 0.0 0.0 0.0



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



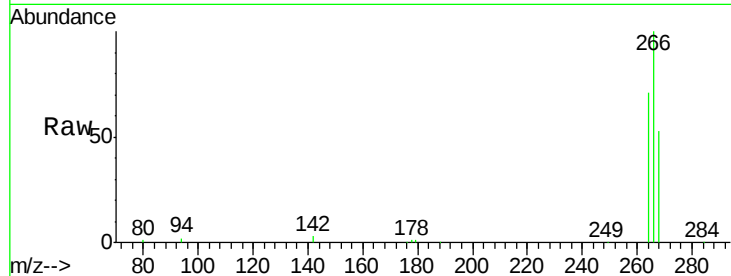
Time-->



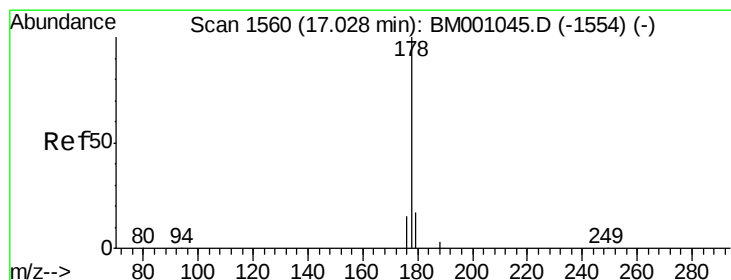
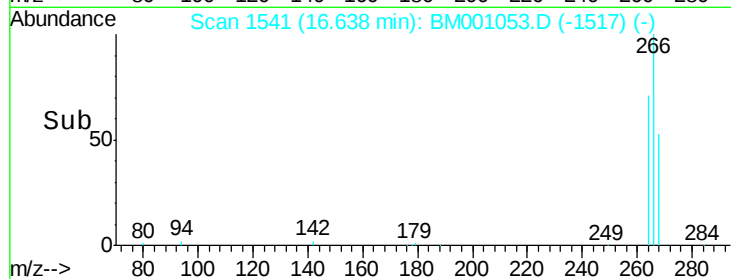
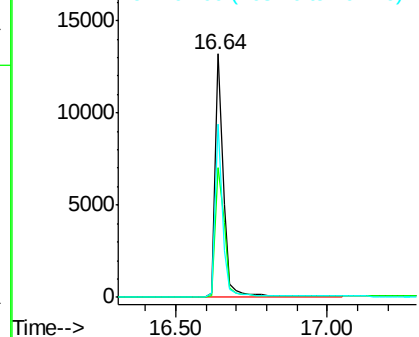


#15
 Pentachlorophenol
 Concen: 12.61 ng
 RT: 16.64 min Scan# 1541
 Delta R.T. 0.00 min
 Lab File: BM001053.D
 Acq: 18 Apr 2015 09:49

Tot Ion:266 Resp: 24894
 Ion Ratio Lower Upper
 266 100
 268 53.1 46.3 69.5
 264 71.0 59.8 89.6

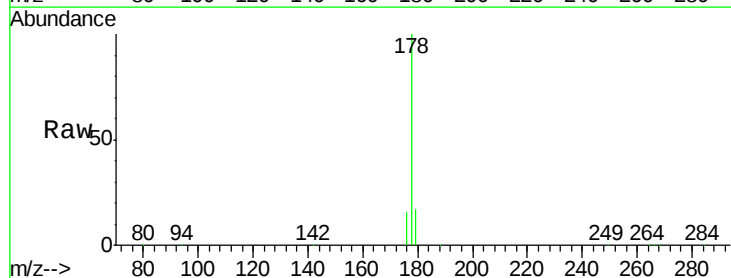


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

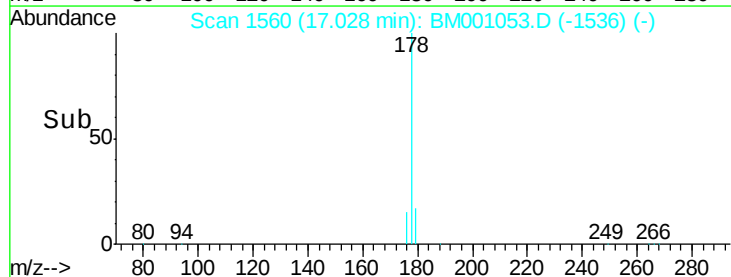
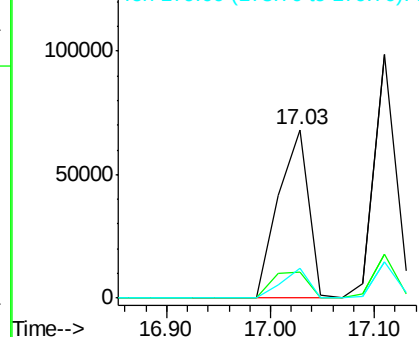


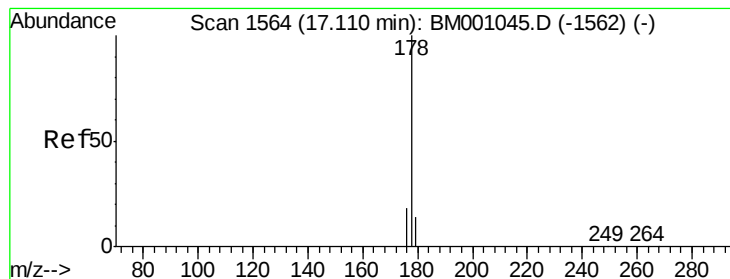
#16
 Phenanthrene
 Concen: 5.21 ng
 RT: 17.03 min Scan# 1560
 Delta R.T. 0.00 min
 Lab File: BM001053.D
 Acq: 18 Apr 2015 09:49

Tgt Ion:178 Resp: 136983
 Ion Ratio Lower Upper
 178 100
 176 18.7 14.6 22.0
 179 15.4 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: 6.02 ng

RT: 17.11 min Scan# 1564

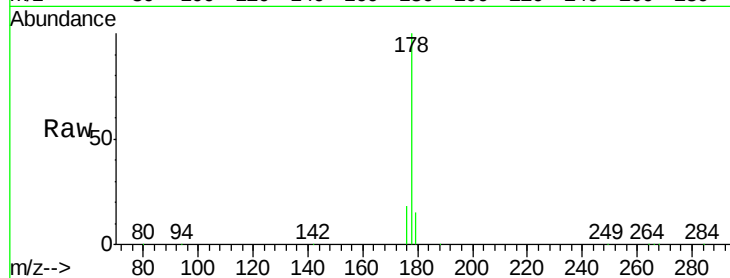
Delta R.T. 0.00 min

Lab File: BM001053.D

Acq: 18 Apr 2015 09:49

Tot Ion:178 Resp: 145421

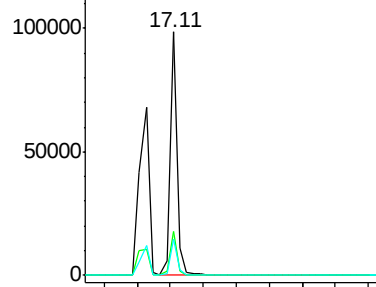
Ion	Ratio	Lower	Upper
178	100		
176	18.0	14.3	21.5
179	15.3	11.8	17.8



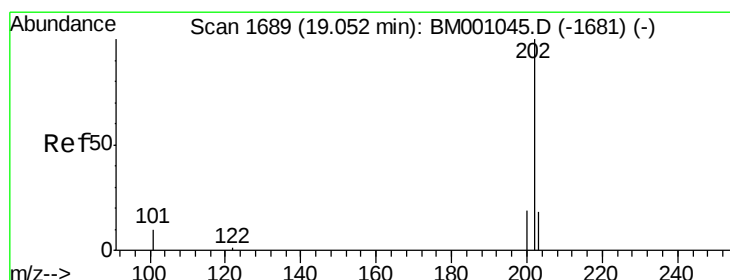
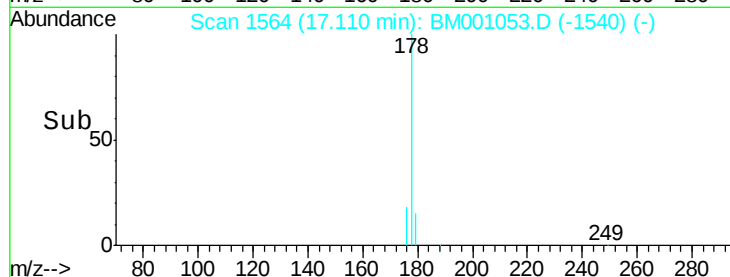
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#18

Fluoranthene

Concen: 5.92 ng

RT: 19.05 min Scan# 1689

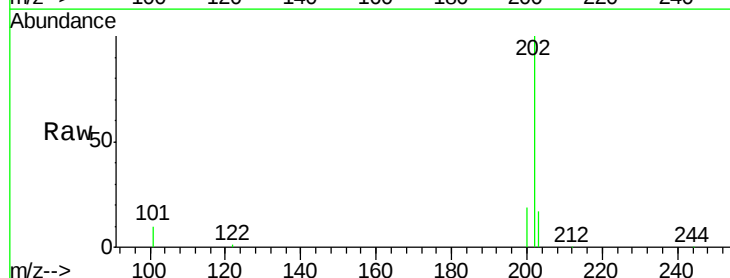
Delta R.T. 0.00 min

Lab File: BM001053.D

Acq: 18 Apr 2015 09:49

Tgt Ion:202 Resp: 162428

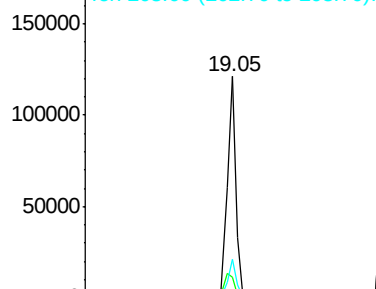
Ion	Ratio	Lower	Upper
202	100		
101	12.9	10.1	15.1
203	17.2	13.8	20.8



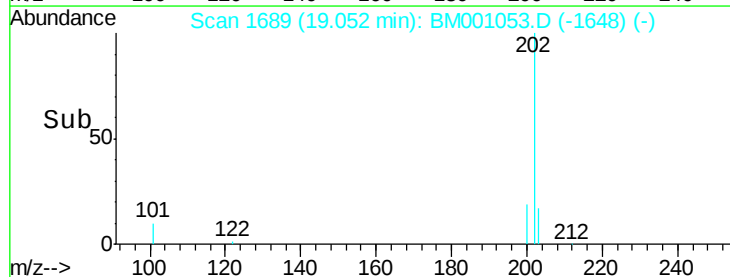
Abundance Ion 202.00 (201.70 to 202.70): E

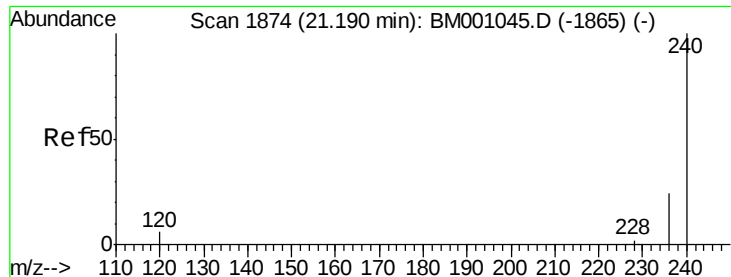
Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



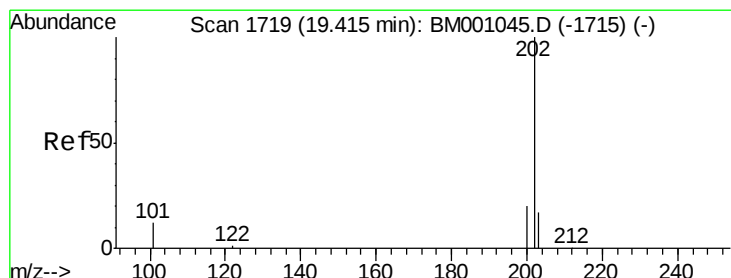
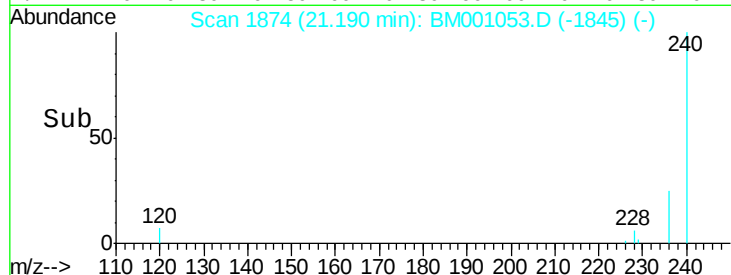
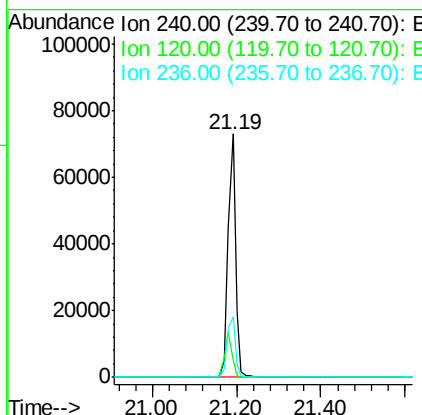
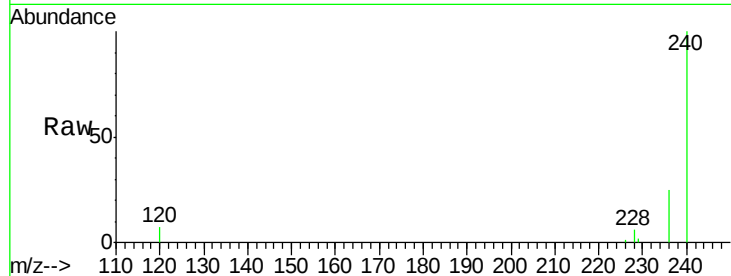
Time-->





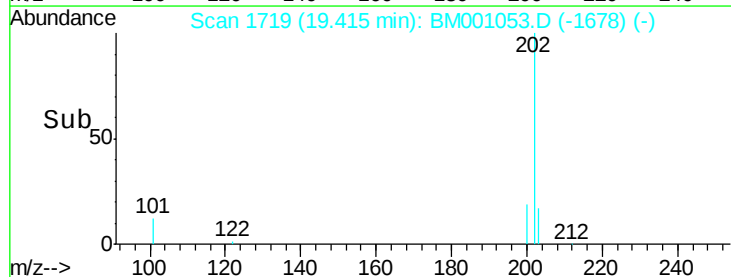
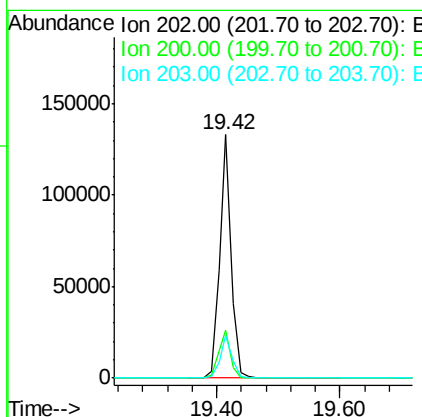
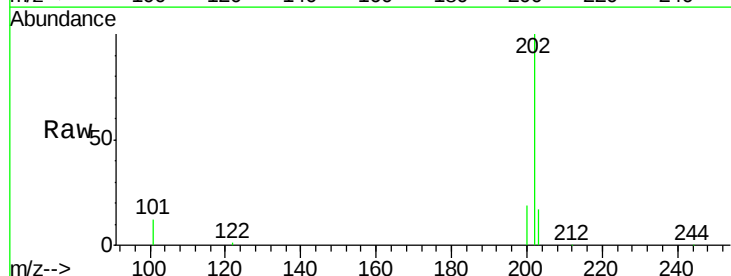
#19
Chrysene-d12
Concen: 5.00 ng
RT: 21.19 min Scan# 1874
Delta R.T. 0.00 min
Lab File: BM001053.D
Acq: 18 Apr 2015 09:49

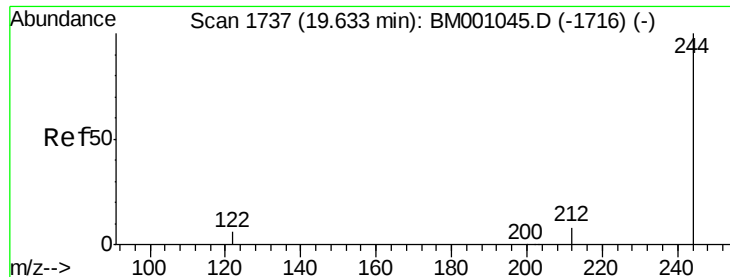
Tot Ion:240 Resp: 91756
Ion Ratio Lower Upper
240 100
120 7.0 4.6 6.8#
236 25.0 19.1 28.7



#20
Pyrene
Concen: 5.76 ng
RT: 19.42 min Scan# 1719
Delta R.T. 0.00 min
Lab File: BM001053.D
Acq: 18 Apr 2015 09:49

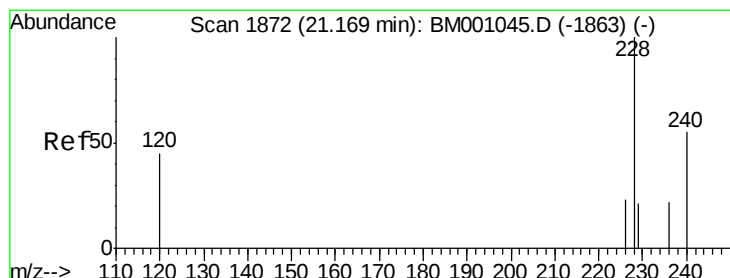
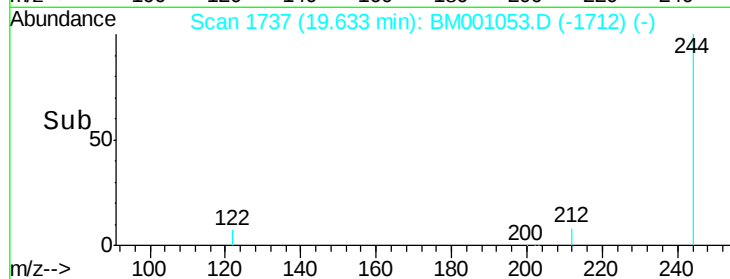
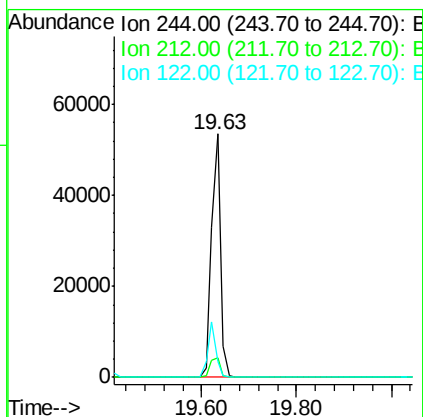
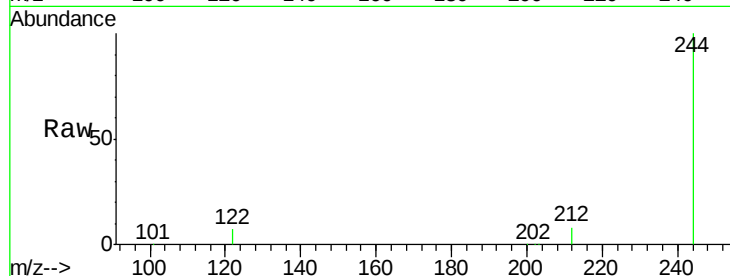
Tgt Ion:202 Resp: 175096
Ion Ratio Lower Upper
202 100
200 20.3 16.3 24.5
203 17.7 13.8 20.6





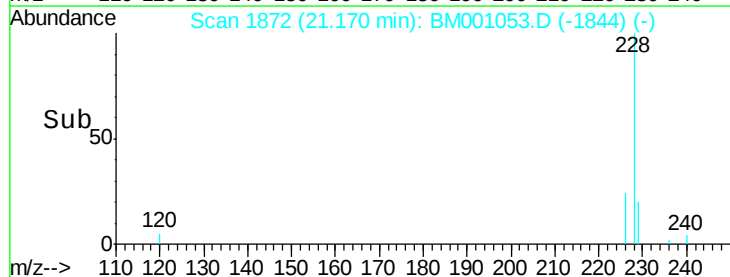
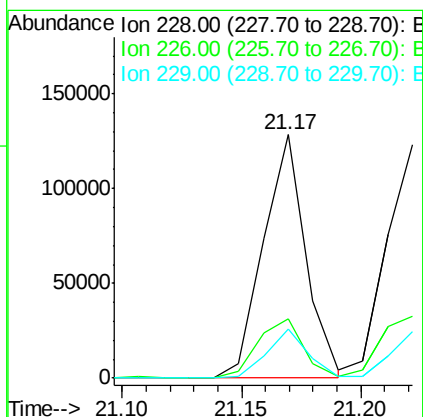
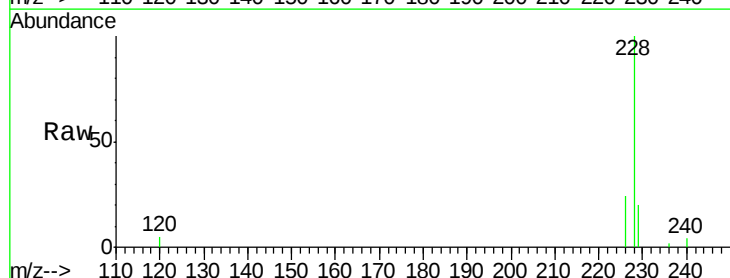
#21
 Terphenyl-d14
 Concen: 5.79 ng
 RT: 19.63 min Scan# 1737
 Delta R.T. 0.00 min
 Lab File: BM001053.D
 Acq: 18 Apr 2015 09:49

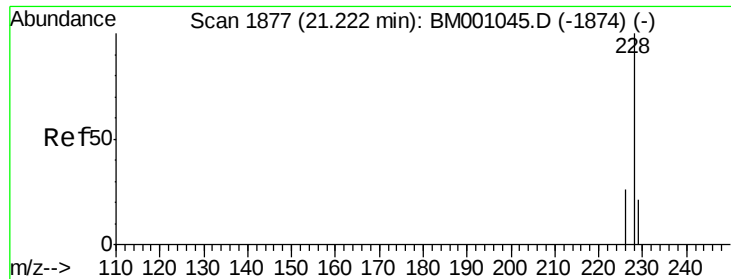
Tot Ion:244 Resp: 70383
 Ion Ratio Lower Upper
 244 100
 212 8.2 7.1 10.7
 122 6.7 5.9 8.9



#22
 Benzo(a)anthracene
 Concen: 6.01 ng
 RT: 21.17 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: BM001053.D
 Acq: 18 Apr 2015 09:49

Tgt Ion:228 Resp: 159810
 Ion Ratio Lower Upper
 228 100
 226 24.3 19.0 28.6
 229 20.1 16.8 25.2





#23

Chrysene

Concen: 5.60 ng

RT: 21.22 min Scan# 1877

Delta R.T. 0.00 min

Lab File: BM001053.D

Acq: 18 Apr 2015 09:49

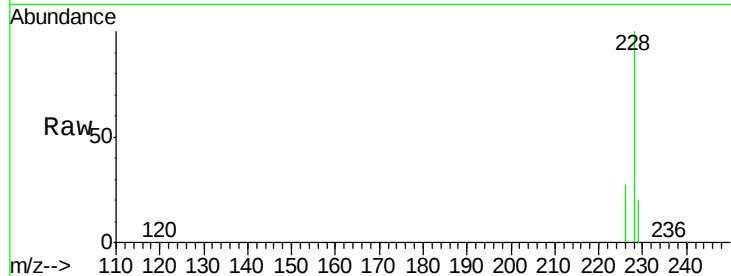
Tot Ion:228 Resp: 156881

Ion Ratio Lower Upper

228 100

226 26.8 20.6 31.0

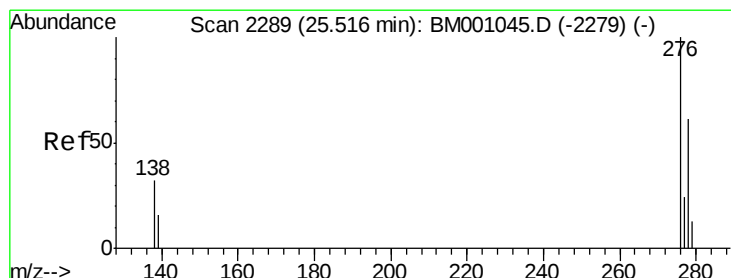
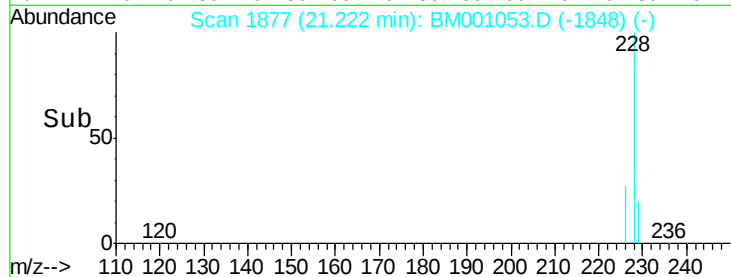
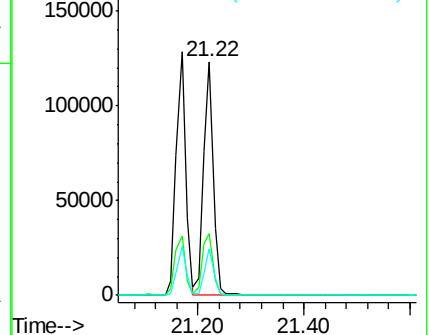
229 20.1 17.2 25.8



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: 5.63 ng

RT: 25.52 min Scan# 2289

Delta R.T. 0.00 min

Lab File: BM001053.D

Acq: 18 Apr 2015 09:49

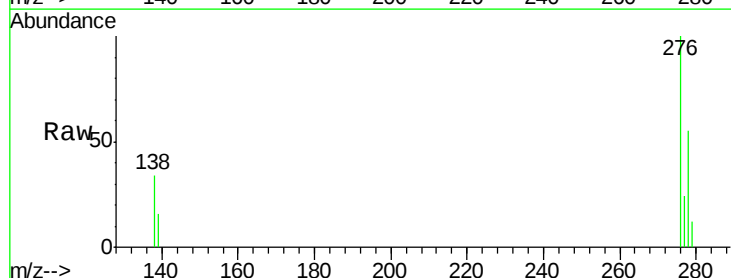
Tgt Ion:276 Resp: 160958

Ion Ratio Lower Upper

276 100

138 33.8 26.3 39.5

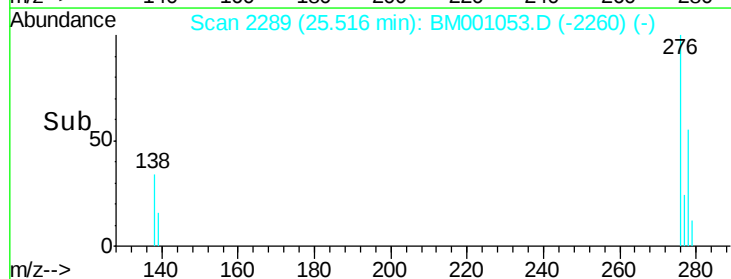
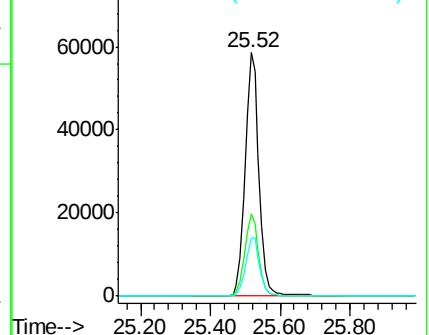
277 24.6 19.5 29.3

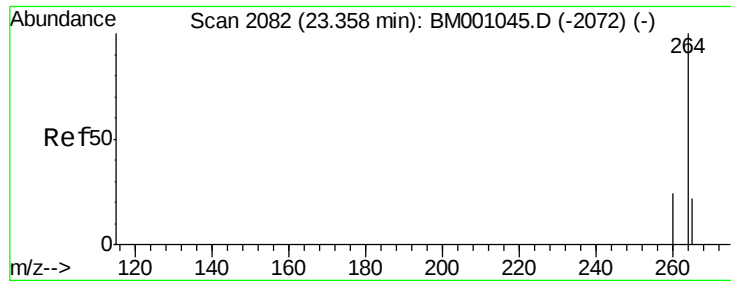


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

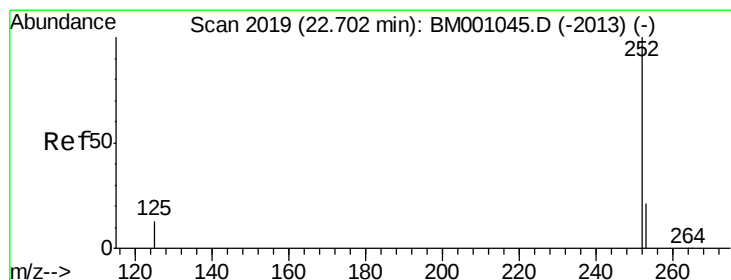
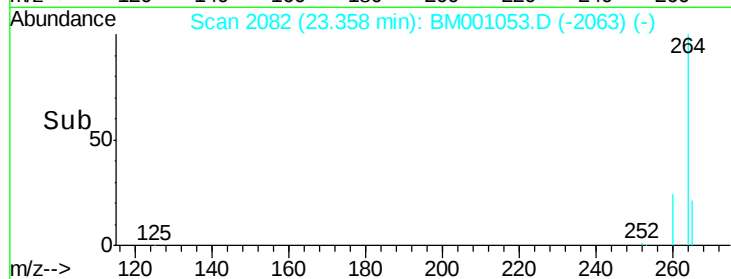
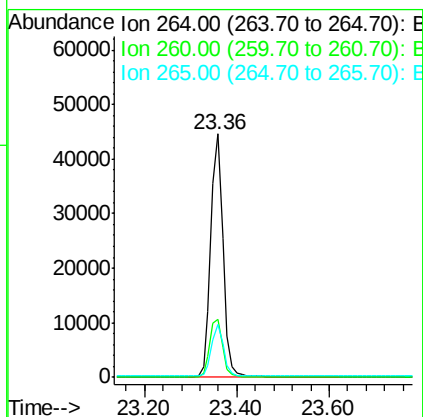
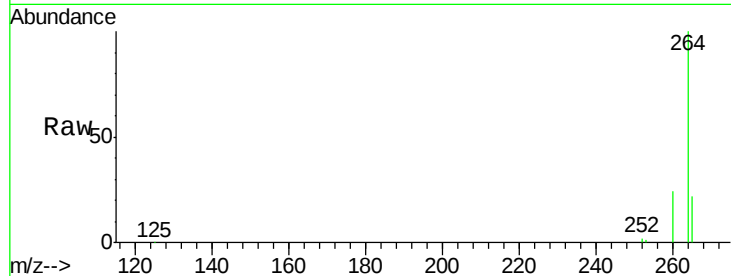
Ion 277.00 (276.70 to 277.70): E





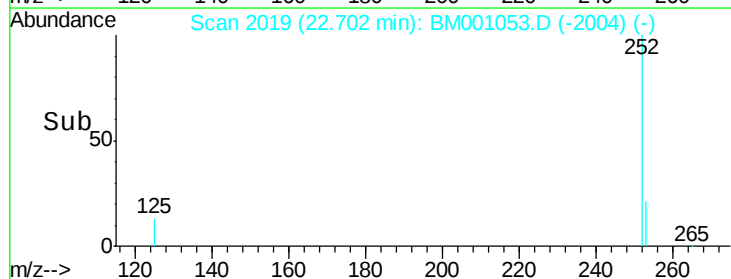
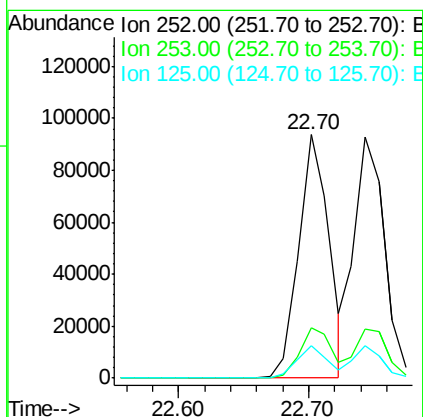
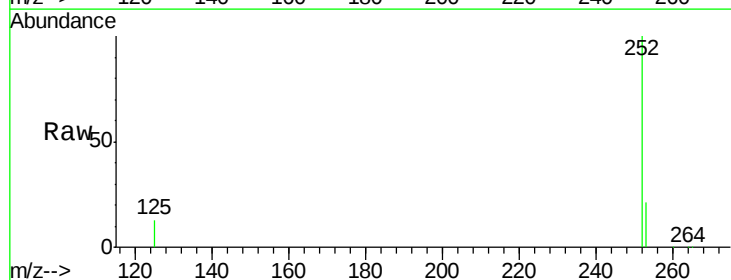
#25
Pervlene-d12
Concen: 5.00 ng
RT: 23.36 min Scan# 2082
Delta R.T. 0.00 min
Lab File: BM001053.D
Acq: 18 Apr 2015 09:49

Tot Ion:264 Resp: 82685
Ion Ratio Lower Upper
264 100
260 23.9 19.0 28.6
265 21.8 17.9 26.9



#26
Benzo(b)fluoranthene
Concen: 5.68 ng
RT: 22.70 min Scan# 2019
Delta R.T. 0.00 min
Lab File: BM001053.D
Acq: 18 Apr 2015 09:49

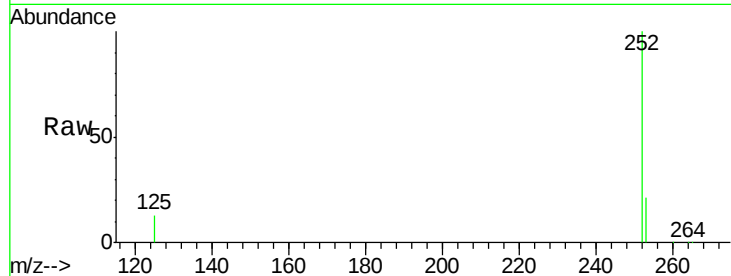
Tgt Ion:252 Resp: 151059
Ion Ratio Lower Upper
252 100
253 20.9 18.2 27.2
125 13.5 10.9 16.3



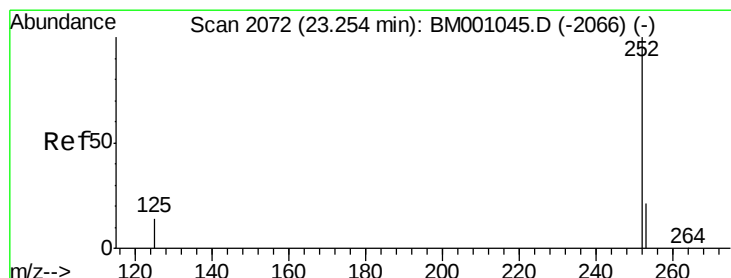
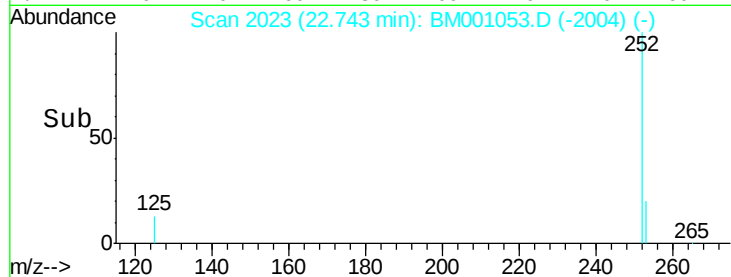
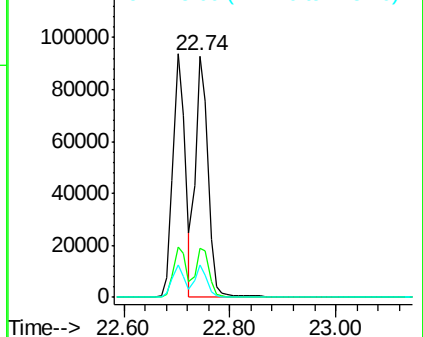


#27
Benzo(k)fluoranthene
Concen: 5.98 ng
RT: 22.74 min Scan# 2023
Delta R.T. 0.00 min
Lab File: BM001053.D
Acq: 18 Apr 2015 09:49

Tot Ion:252 Resp: 152363
Ion Ratio Lower Upper
252 100
253 20.6 18.3 27.5
125 13.4 10.6 15.8

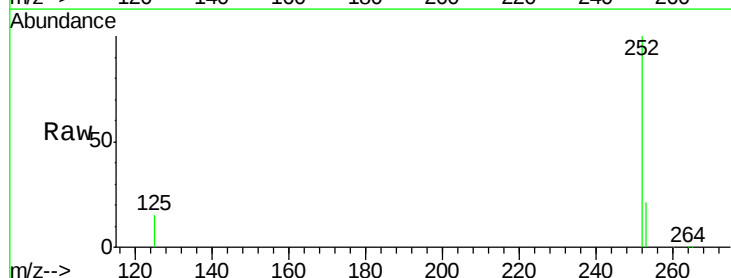


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

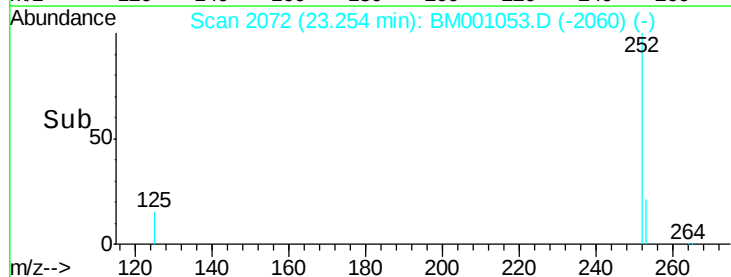
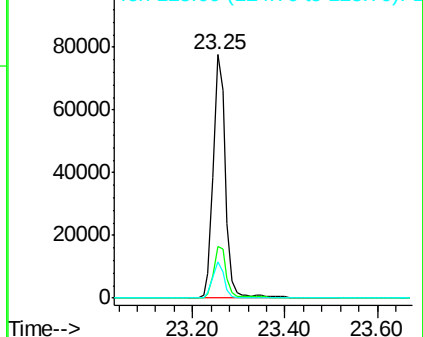


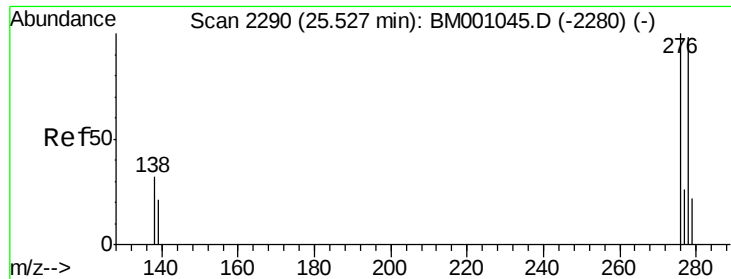
#28
Benzo(a)pyrene
Concen: 6.27 ng
RT: 23.25 min Scan# 2072
Delta R.T. 0.00 min
Lab File: BM001053.D
Acq: 18 Apr 2015 09:49

Tgt Ion:252 Resp: 142497
Ion Ratio Lower Upper
252 100
253 21.0 18.6 27.8
125 14.8 11.9 17.9



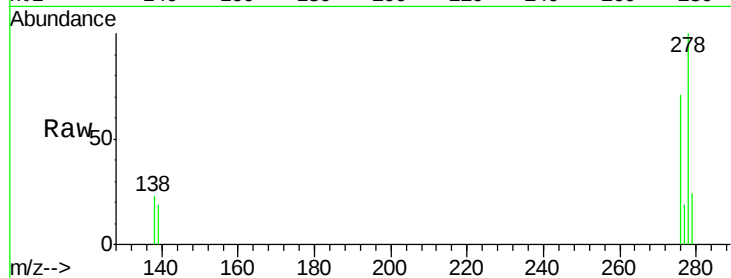
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



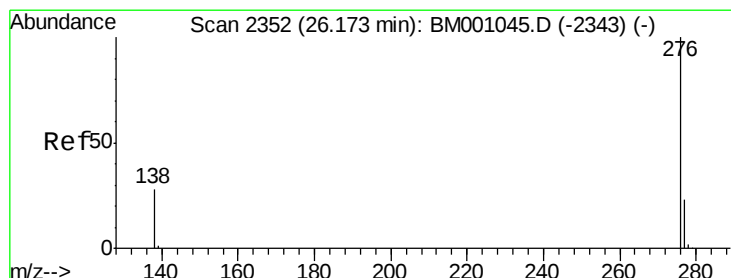
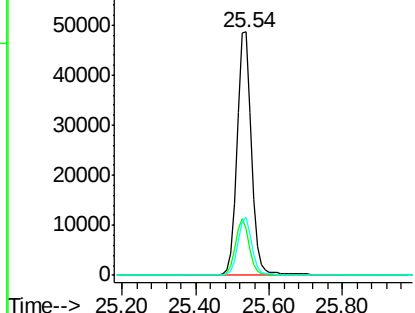
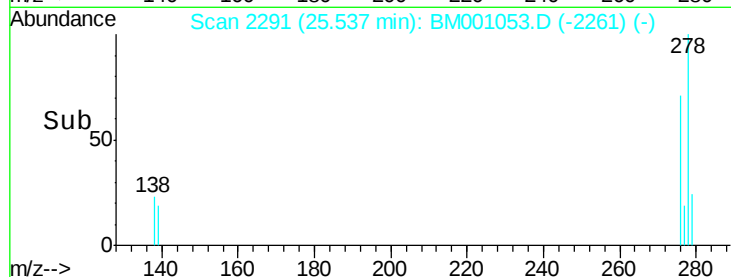


#29
Dibenzo(a,h)anthracene
Concen: 5.87 ng
RT: 25.54 min Scan# 2291
Delta R.T. 0.01 min
Lab File: BM001053.D
Acq: 18 Apr 2015 09:49

Tot Ion:278 Resp: 131919
Ion Ratio Lower Upper
278 100
139 19.2 18.2 27.2
279 23.8 19.1 28.7

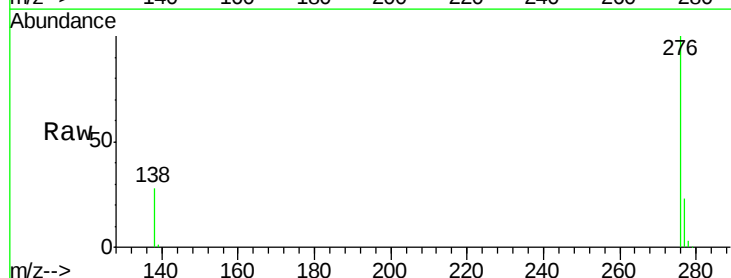


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#30
Benzo(g,h,i)perylene
Concen: 5.65 ng
RT: 26.18 min Scan# 2353
Delta R.T. 0.01 min
Lab File: BM001053.D
Acq: 18 Apr 2015 09:49

Tgt Ion:276 Resp: 137483
Ion Ratio Lower Upper
276 100
277 23.5 19.0 28.4
138 27.6 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

