

Data Path : Z:\HPCHEM1\BNA M\DATA\BM041815\
 Data File : BM001054.D
 Acq On : 18 Apr 2015 10:25
 Operator : TP/IZ
 Sample : PB82802BSD
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Quant Time: Apr 20 08:16:47 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	25918	5.00	ng	0.00
4) Naphthalene-d8	10.36	136	93877	5.00	ng	0.00
8) Acenaphthene-d10	14.24	164	51207	5.00	ng	0.00
13) Phenanthrene-d10	16.99	188	110775	5.00	ng	0.00
19) Chrysene-d12	21.19	240	101360	5.00	ng	0.00
25) Perylene-d12	23.36	264	92911	5.00	ng	0.00

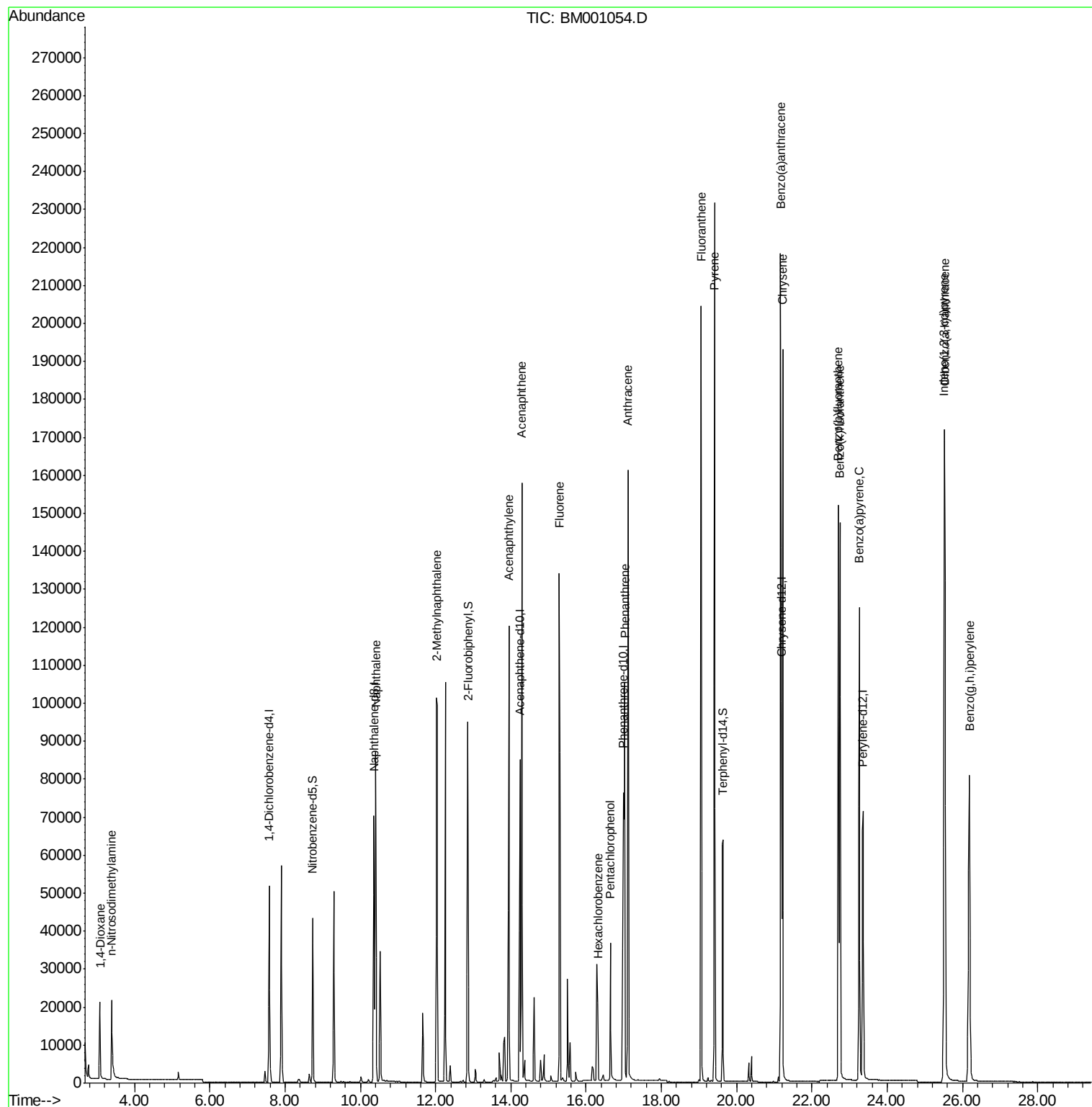
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) Nitrobenzene-d5	8.74	82	34756	7.09	ng	0.00
9) 2-Fluorobiphenyl	12.86	172	96722	5.72	ng	0.00
21) Terphenyl-d14	19.63	244	80028	5.96	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) 1,4-Dioxane	3.08	88	13313	4.55	ng	# 100
3) n-Nitrosodimethylamine	3.39	42	16823	6.15	ng	97
6) Naphthalene	10.41	128	123021	5.49	ng	99
7) 2-Methylnaphthalene	12.04	142	80858	5.60	ng	98
10) Acenaphthylene	13.95	152	141316	6.25	ng	99
11) Acenaphthene	14.29	154	83649	5.28	ng	99
12) Fluorene	15.29	166	104640	5.74	ng	99
14) Hexachlorobenzene	16.31	284	34316	5.61	ng	# 100
15) Pentachlorophenol	16.64	266	29253	13.23	ng	95
16) Phenanthrene	17.03	178	160082	5.44	ng	99
17) Anthracene	17.11	178	175839	6.50	ng	99
18) Fluoranthene	19.05	202	186312	6.07	ng	100
20) Pyrene	19.42	202	200349	5.96	ng	99
22) Benzo(a)anthracene	21.17	228	181278	6.17	ng	99
23) Chrysene	21.22	228	177607	5.74	ng	99
24) Indeno(1,2,3-cd)pyrene	25.52	276	185039	5.86	ng	99
26) Benzo(b)fluoranthene	22.70	252	176916	5.92	ng	97
27) Benzo(k)fluoranthene	22.74	252	171756	6.00	ng	98
28) Benzo(a)pyrene	23.25	252	162743	6.38	ng	97
29) Dibenzo(a,h)anthracene	25.53	278	150841	5.97	ng	99
30) Benzo(g,h,i)perylene	26.18	276	157509	5.76	ng	98

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

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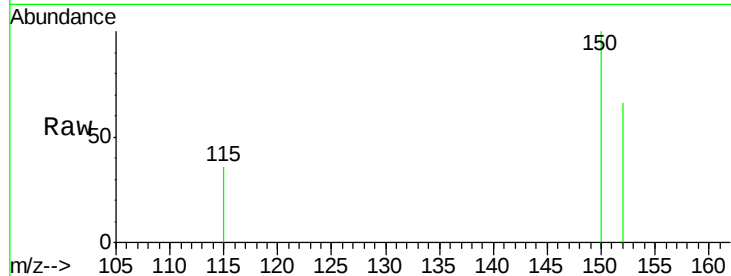




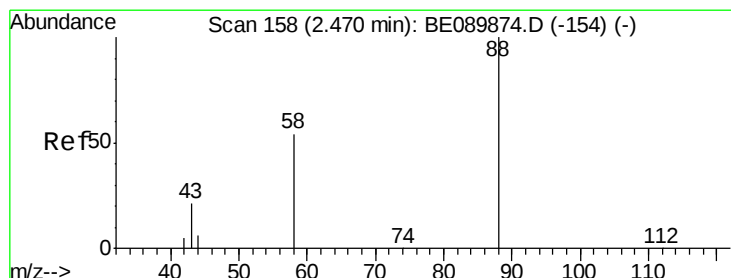
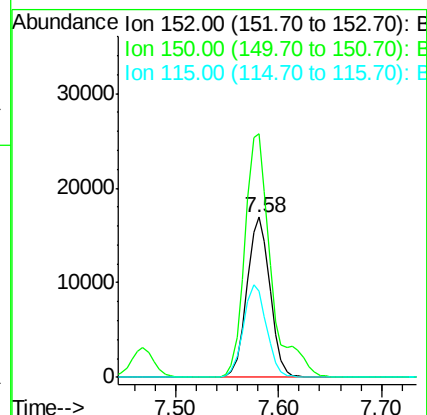
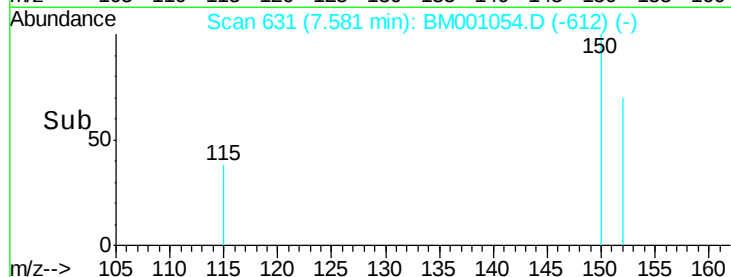
#1

1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.58 min Scan# 631
Delta R.T. 0.00 min
Lab File: BM001054.D
Acq: 18 Apr 2015 10:25

Tot Ion:152 Resp: 25918
Ion Ratio Lower Upper
152 100
150 151.9 123.3 184.9
115 54.1 45.0 67.6



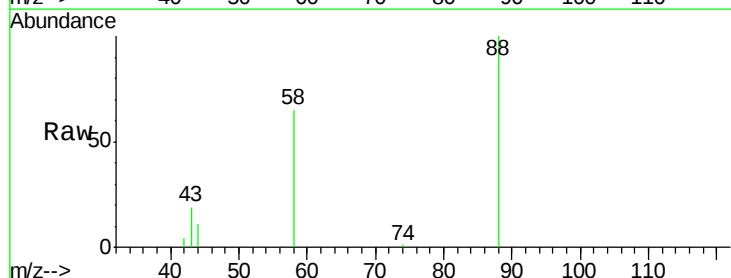
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



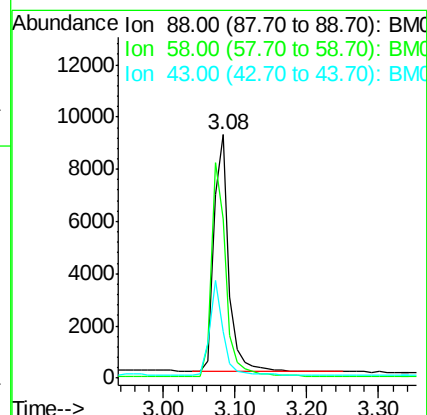
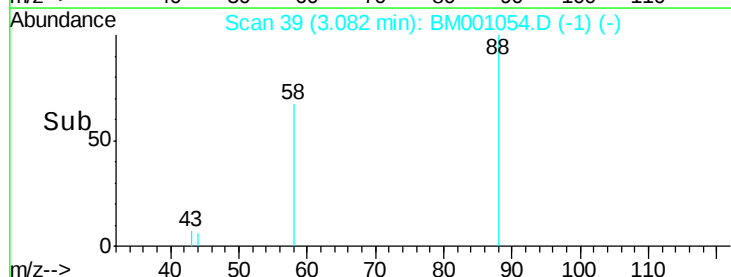
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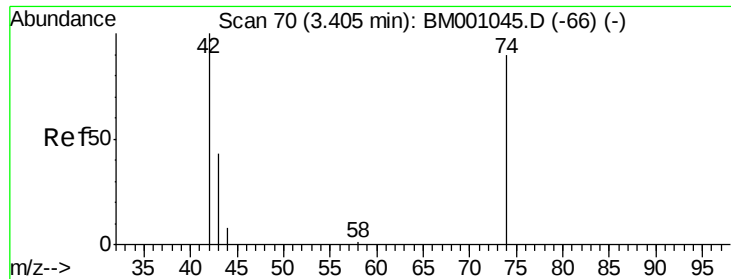
1,4-Dioxane
Concen: 4.55 ng
RT: 3.08 min Scan# 39
Delta R.T. 0.00 min
Lab File: BM001054.D
Acq: 18 Apr 2015 10:25

Tgt Ion: 88 Resp: 13313
Ion Ratio Lower Upper
88 100
58 86.4 0.0 0.0#
43 35.1 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: 6.15 ng

RT: 3.39 min Scan# 69

Delta R.T. -0.01 min

Lab File: BM001054.D

Acq: 18 Apr 2015 10:25

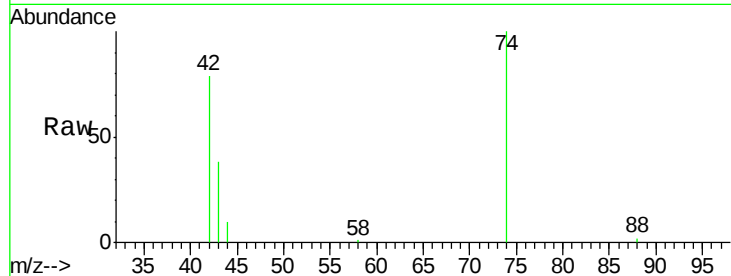
Tot Ion: 42 Resp: 16823

Ion Ratio Lower Upper

42 100

74 112.0 92.1 138.1

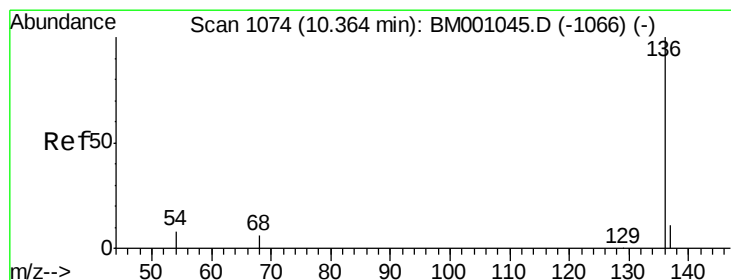
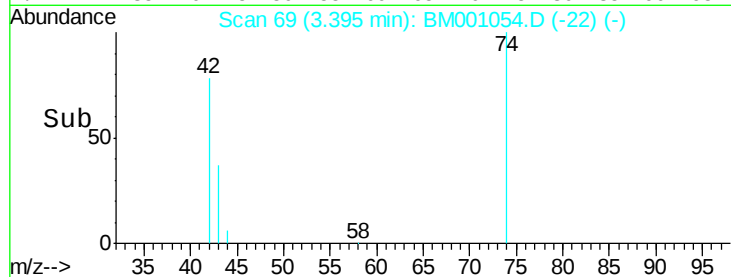
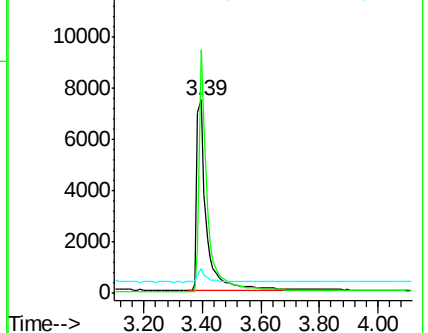
44 6.2 5.8 8.6



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) (-)



#4

Naphthalene-d8

Concen: 5.00 ng

RT: 10.36 min Scan# 1074

Delta R.T. 0.00 min

Lab File: BM001054.D

Acq: 18 Apr 2015 10:25

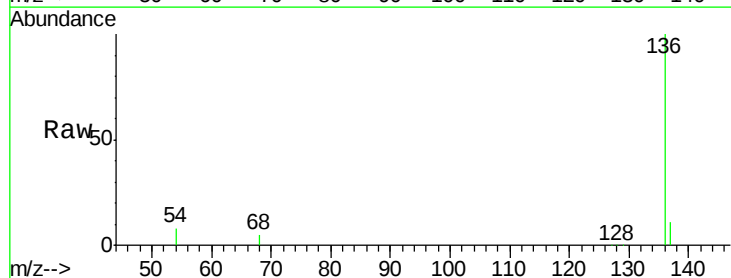
Tgt Ion: 136 Resp: 93877

Ion Ratio Lower Upper

136 100

137 10.9 8.6 13.0

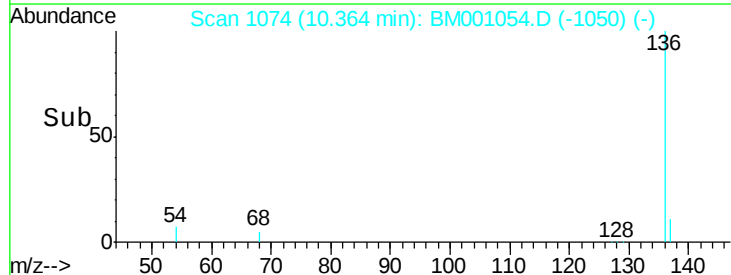
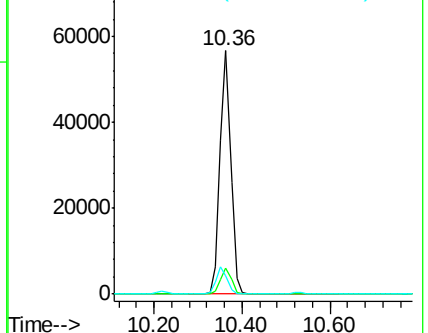
54 7.5 6.5 9.7

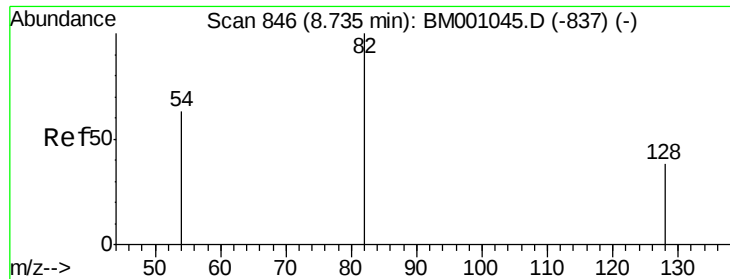


Abundance Ion 136.00 (135.70 to 136.70): BM001045.D (-1066) (-)

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

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





#5

Nitrobenzene-d5

Concen: 7.09 ng

RT: 8.74 min Scan# 846

Delta R.T. 0.00 min

Lab File: BM001054.D

Acq: 18 Apr 2015 10:25

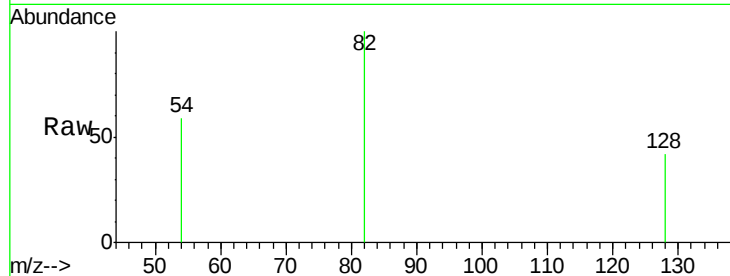
Tot Ion: 82 Resp: 34756

Ion Ratio Lower Upper

82 100

128 42.0 31.9 47.9

54 58.8 51.3 76.9

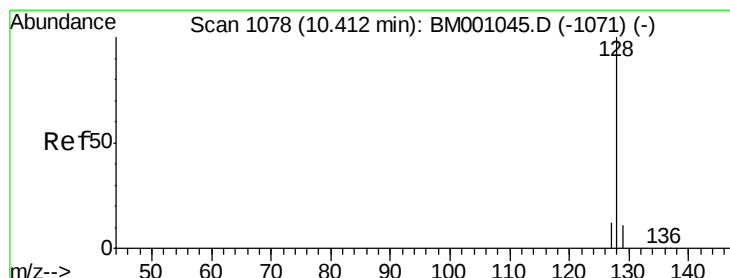
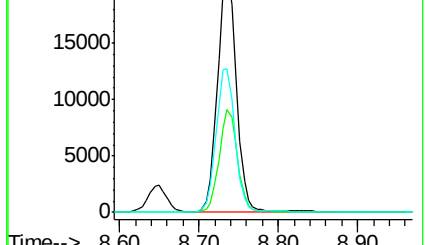
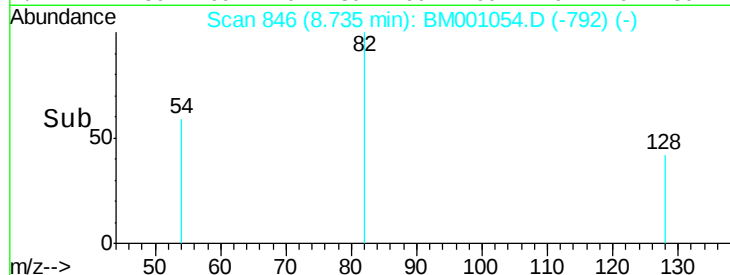


Abundance Ion 82.00 (81.70 to 82.70): BM001045.D (-837) (-)

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: 5.49 ng

RT: 10.41 min Scan# 1078

Delta R.T. 0.00 min

Lab File: BM001054.D

Acq: 18 Apr 2015 10:25

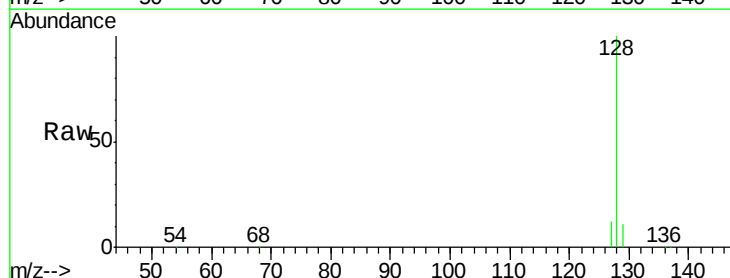
Tgt Ion: 128 Resp: 123021

Ion Ratio Lower Upper

128 100

129 11.3 9.3 13.9

127 11.8 10.0 15.0

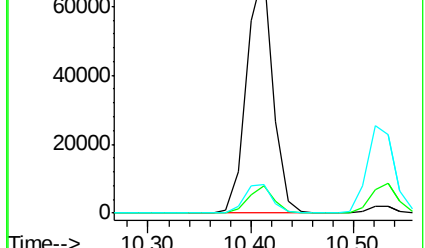
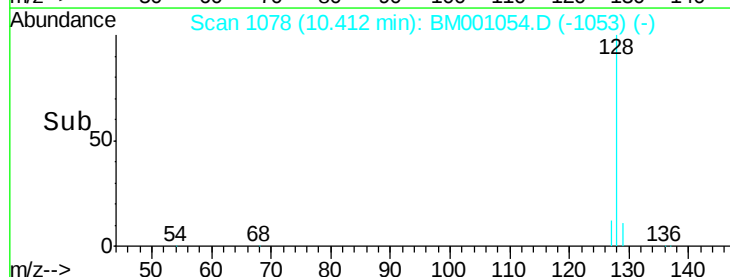


Abundance Ion 128.00 (127.70 to 128.70): BM001045.D (-1071) (-)

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: 5.60 ng

RT: 12.04 min Scan# 1224

Delta R.T. 0.00 min

Lab File: BM001054.D

Acq: 18 Apr 2015 10:25

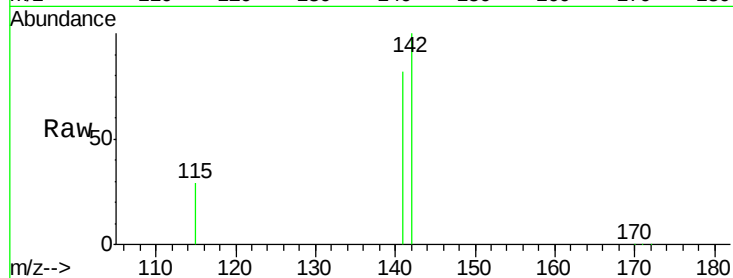
Tot Ion:142 Resp: 80858

Ion Ratio Lower Upper

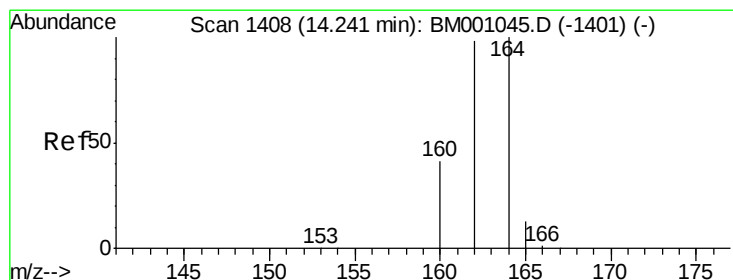
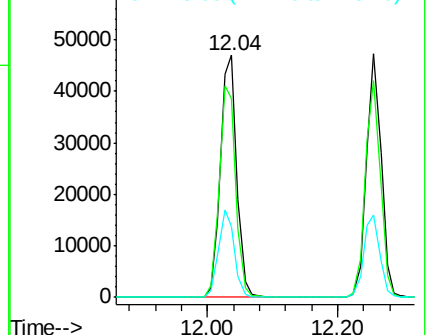
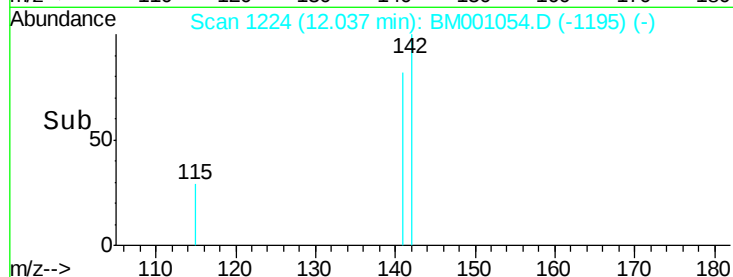
142 100

141 82.1 66.7 100.1

115 29.3 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: BM001054.D

Acq: 18 Apr 2015 10:25

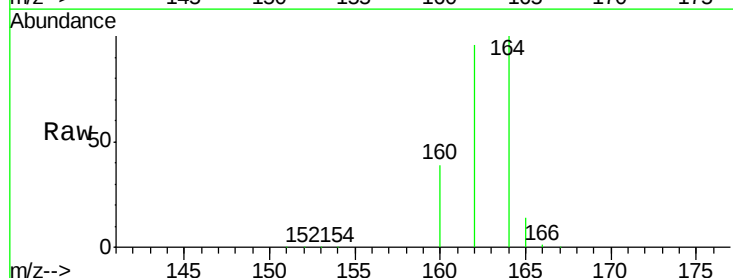
Tgt Ion:164 Resp: 51207

Ion Ratio Lower Upper

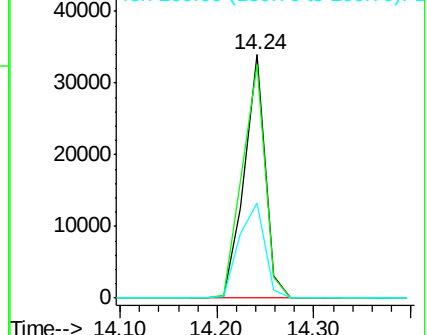
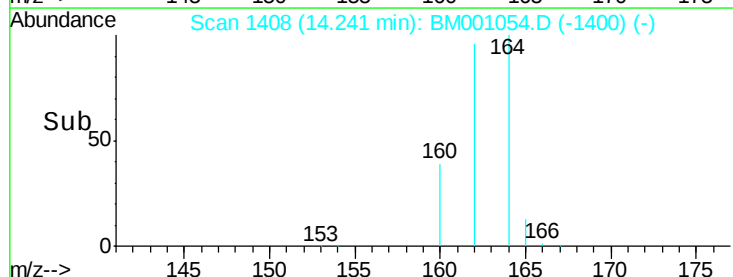
164 100

162 96.0 78.5 117.7

160 39.0 32.9 49.3



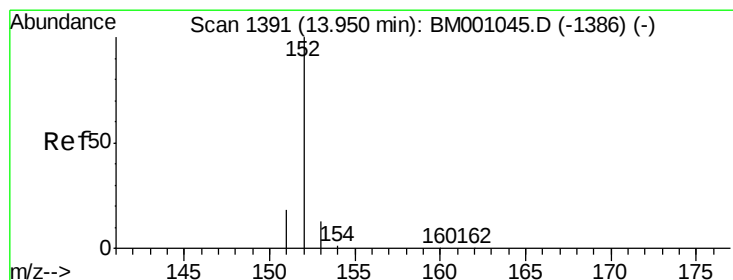
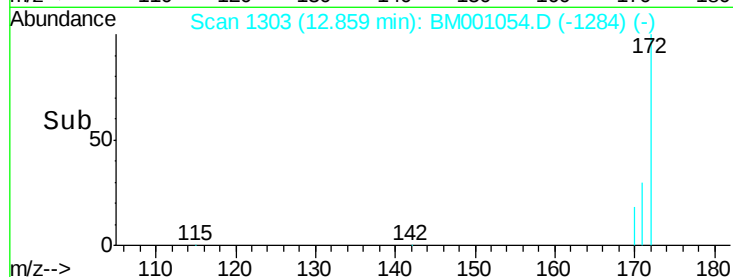
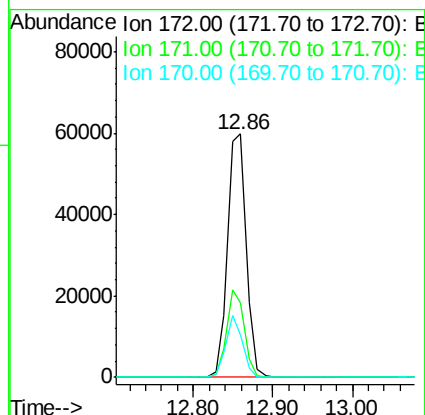
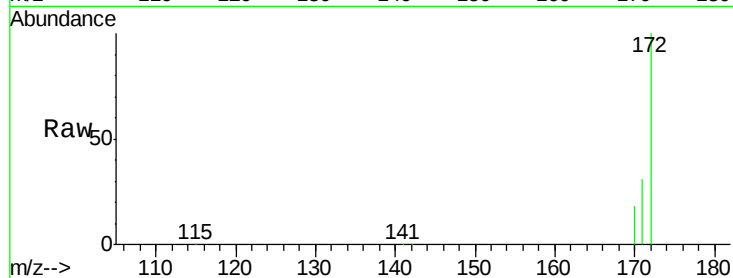
Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E





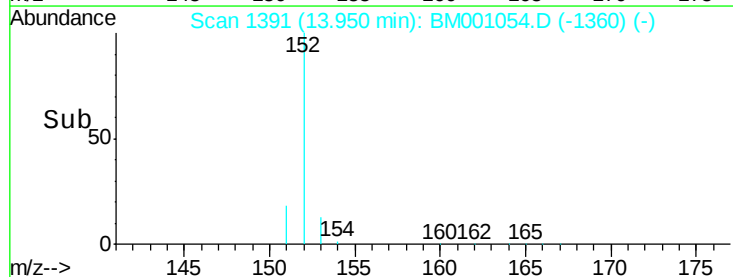
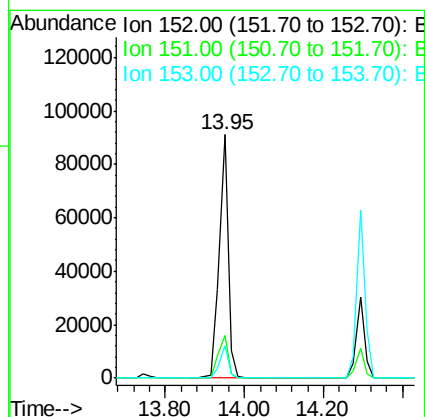
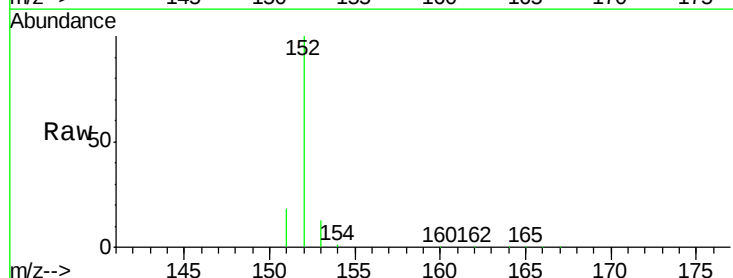
#9
2-Fluorobiphenyl
Concen: 5.72 ng
RT: 12.86 min Scan# 1303
Delta R.T. 0.00 min
Lab File: BM001054.D
Acq: 18 Apr 2015 10:25

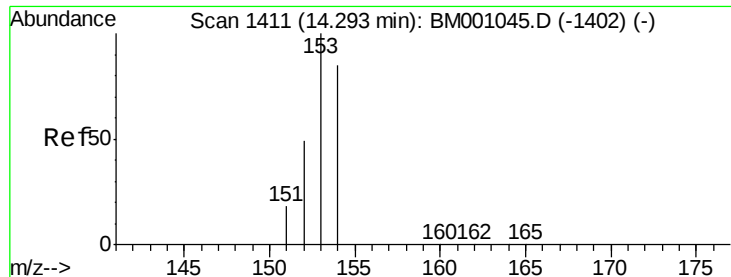
Tot Ion:172 Resp: 96722
Ion Ratio Lower Upper
172 100
171 30.7 25.6 38.4
170 17.8 15.8 23.6



#10
Acenaphthylene
Concen: 6.25 ng
RT: 13.95 min Scan# 1391
Delta R.T. 0.00 min
Lab File: BM001054.D
Acq: 18 Apr 2015 10:25

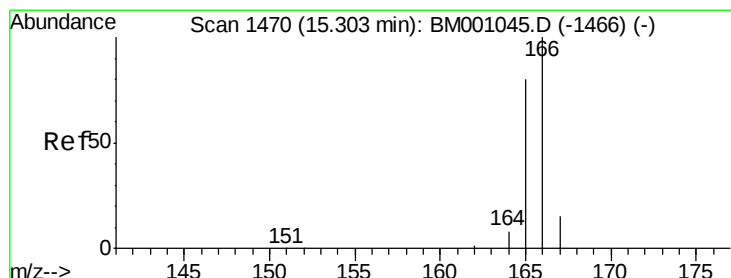
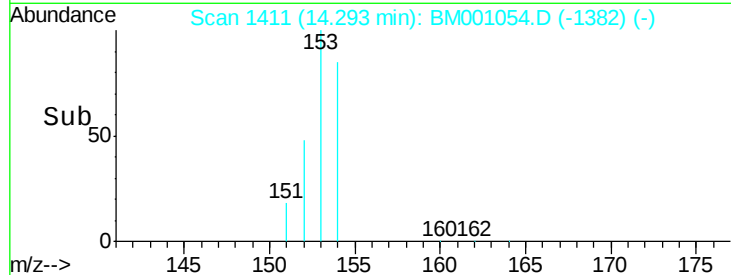
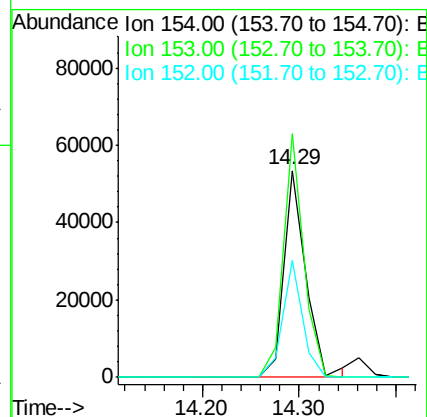
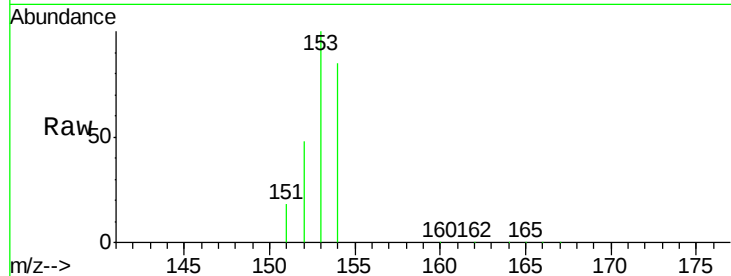
Tgt Ion:152 Resp: 141316
Ion Ratio Lower Upper
152 100
151 18.8 14.7 22.1
153 12.9 10.2 15.2





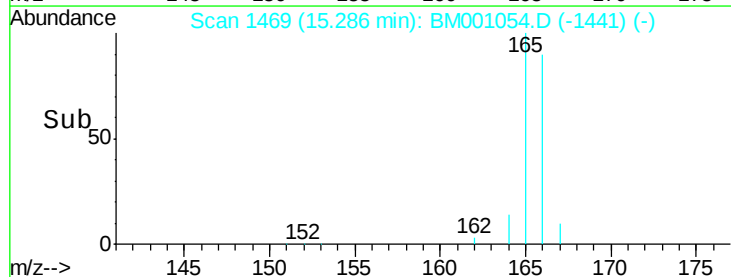
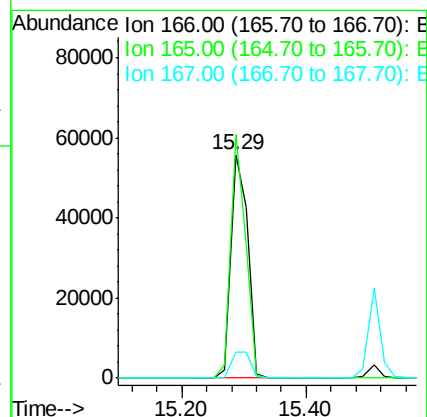
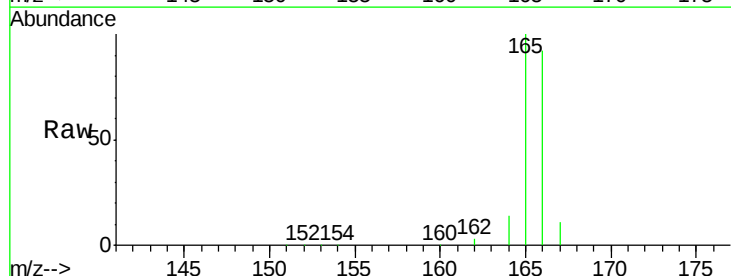
#11
Acenaphthene
Concen: 5.28 ng
RT: 14.29 min Scan# 1411
Delta R.T. 0.00 min
Lab File: BM001054.D
Acq: 18 Apr 2015 10:25

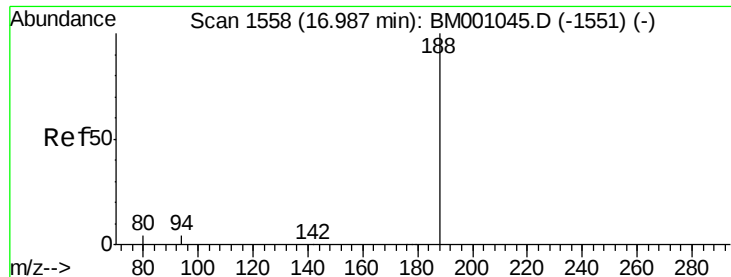
Tot Ion:154 Resp: 83649
Ion Ratio Lower Upper
154 100
153 108.9 88.1 132.1
152 52.0 42.3 63.5



#12
Fluorene
Concen: 5.74 ng
RT: 15.29 min Scan# 1469
Delta R.T. -0.02 min
Lab File: BM001054.D
Acq: 18 Apr 2015 10:25

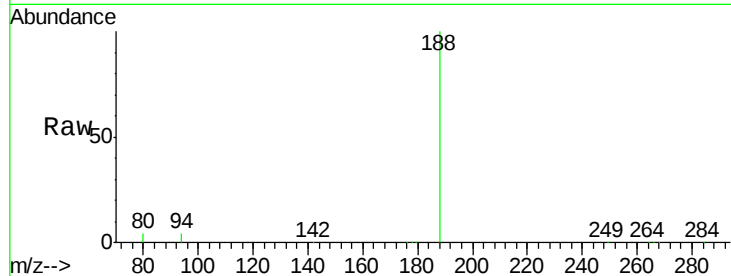
Tgt Ion:166 Resp: 104640
Ion Ratio Lower Upper
166 100
165 96.4 77.6 116.4
167 13.4 10.6 16.0



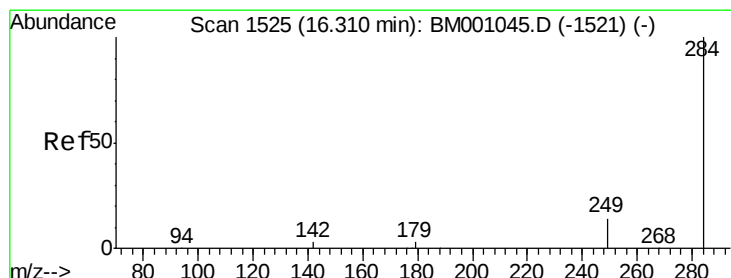
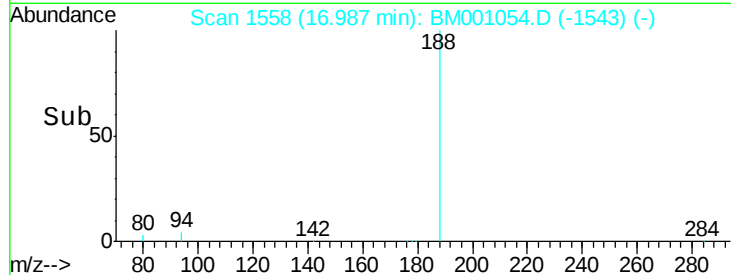
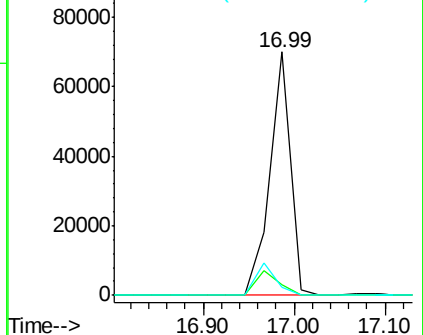


#13
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.99 min Scan# 1558
Delta R.T. 0.00 min
Lab File: BM001054.D
Acq: 18 Apr 2015 10:25

Tot Ion:188 Resp: 110775
Ion Ratio Lower Upper
188 100
94 4.2 3.6 5.4
80 3.6 3.0 4.6

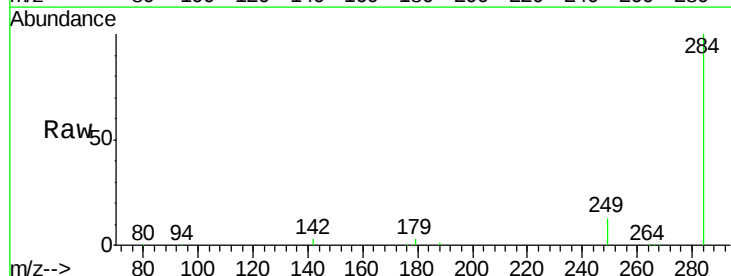


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): B
Ion 80.00 (79.70 to 80.70): B

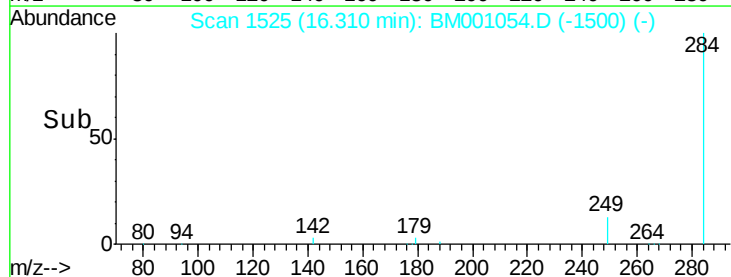
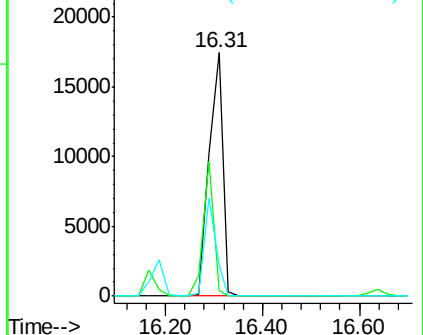


#14
Hexachlorobenzene
Concen: 5.61 ng
RT: 16.31 min Scan# 1525
Delta R.T. 0.00 min
Lab File: BM001054.D
Acq: 18 Apr 2015 10:25

Tgt Ion:284 Resp: 34316
Ion Ratio Lower Upper
284 100
142 0.0 0.0 0.0
249 0.0 0.0 0.0



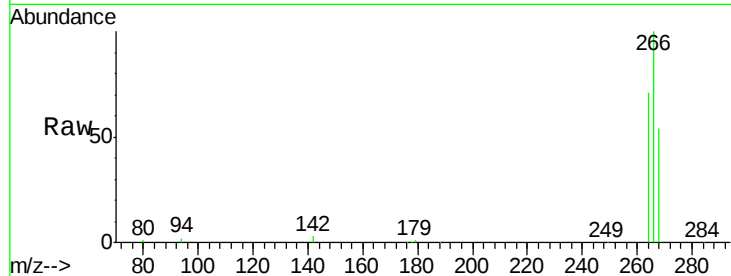
Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): B
Ion 249.00 (248.70 to 249.70): B



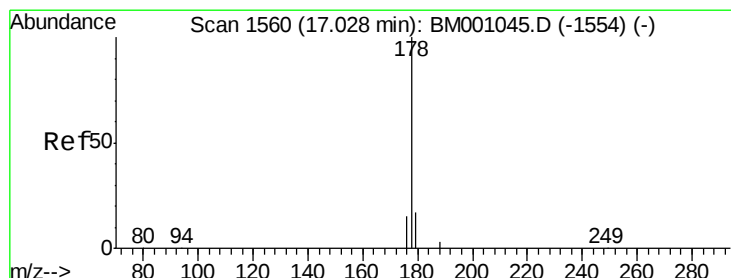
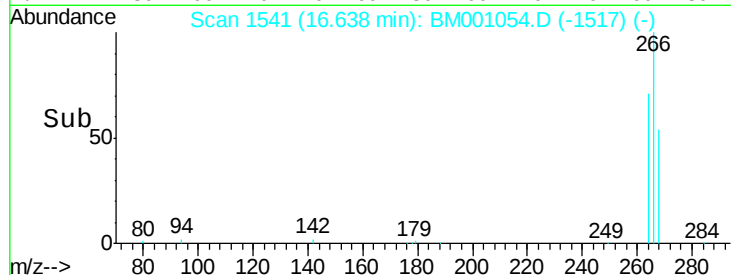
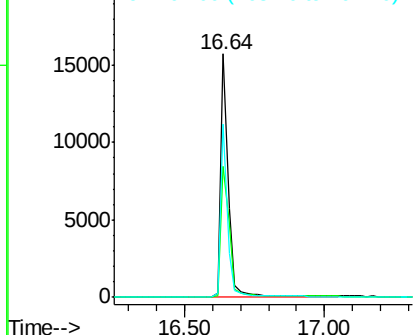


#15
 Pentachlorophenol
 Concen: 13.23 ng
 RT: 16.64 min Scan# 1541
 Delta R.T. 0.00 min
 Lab File: BM001054.D
 Acq: 18 Apr 2015 10:25

Tot Ion	Ratio	Lower	Upper
266	100		
268	53.8	46.3	69.5
264	71.2	59.8	89.6

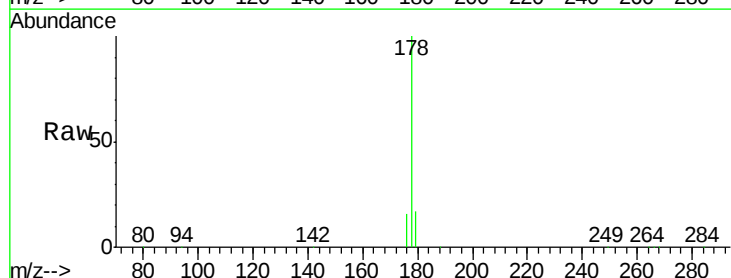


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

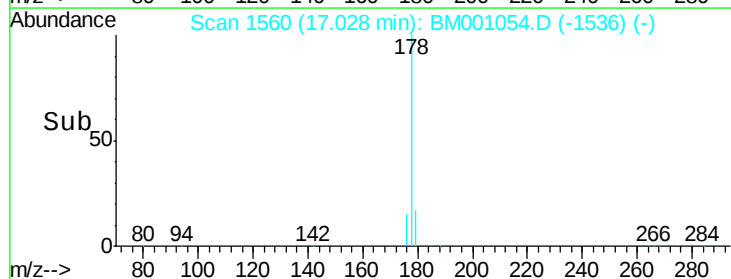
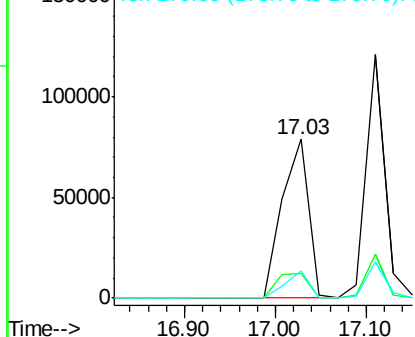


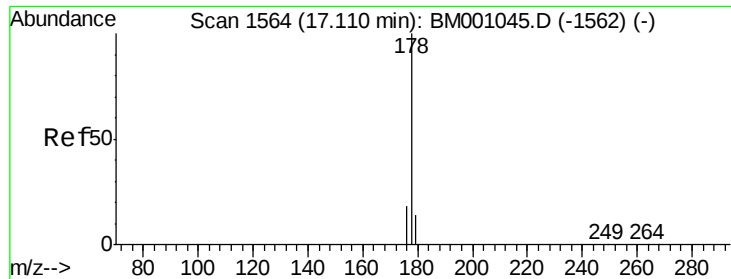
#16
 Phenanthrene
 Concen: 5.44 ng
 RT: 17.03 min Scan# 1560
 Delta R.T. 0.00 min
 Lab File: BM001054.D
 Acq: 18 Apr 2015 10:25

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.6	22.0
179	15.3	12.6	19.0



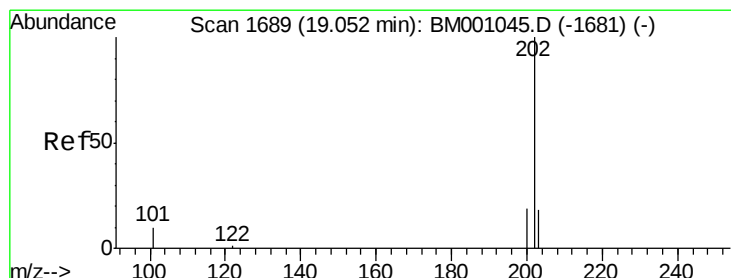
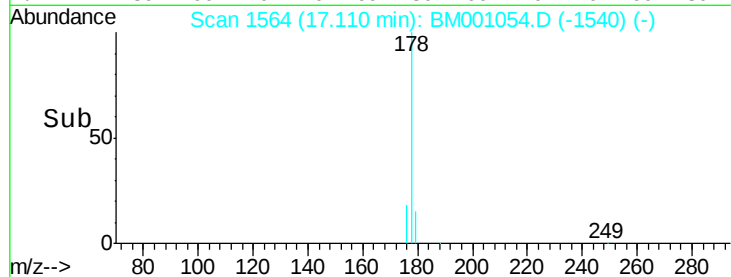
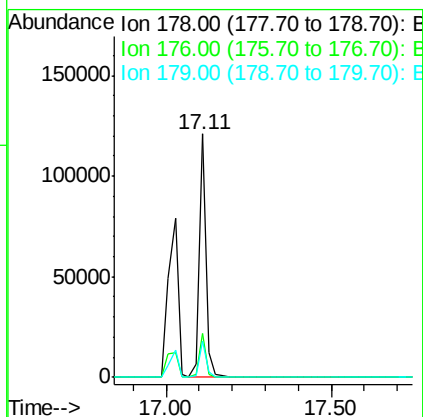
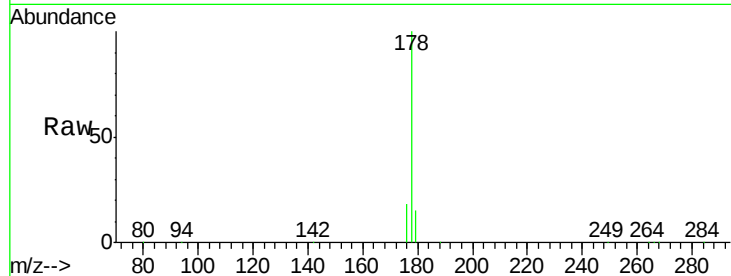
Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E





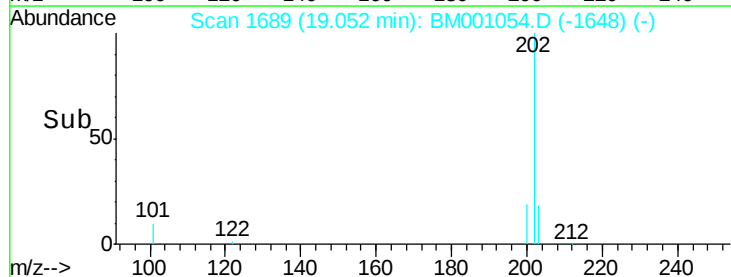
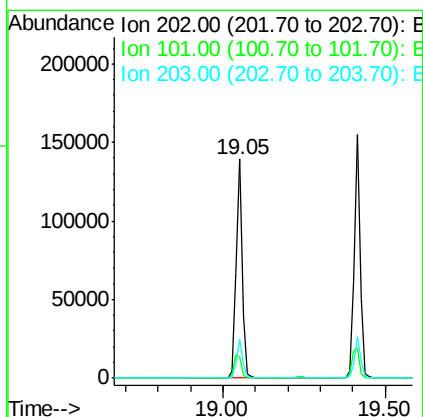
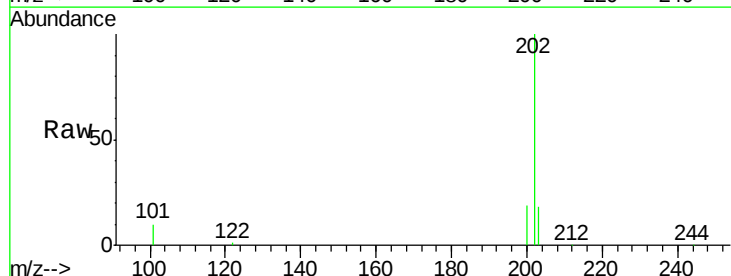
#17
 Anthracene
 Concen: 6.50 ng
 RT: 17.11 min Scan# 1564
 Delta R.T. 0.00 min
 Lab File: BM001054.D
 Acq: 18 Apr 2015 10:25

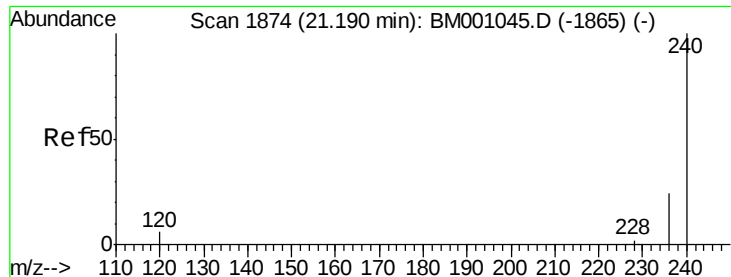
Tot Ion:178 Resp: 175839
 Ion Ratio Lower Upper
 178 100
 176 17.9 14.3 21.5
 179 15.3 11.8 17.8



#18
 Fluoranthene
 Concen: 6.07 ng
 RT: 19.05 min Scan# 1689
 Delta R.T. 0.00 min
 Lab File: BM001054.D
 Acq: 18 Apr 2015 10:25

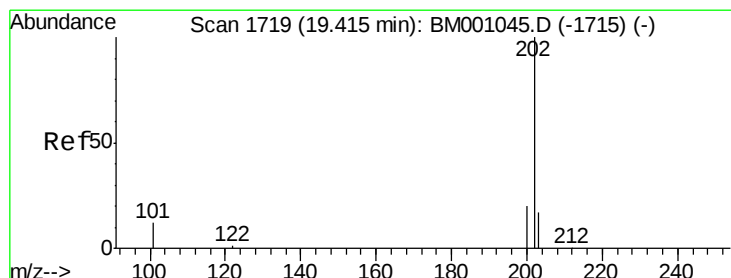
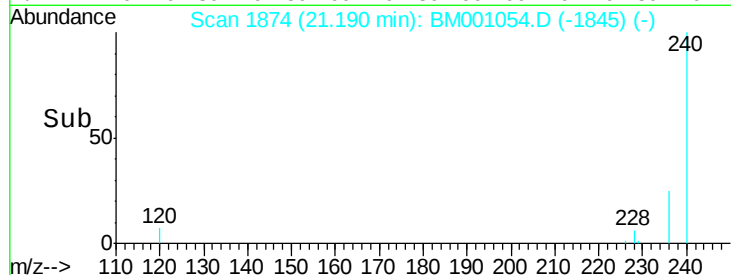
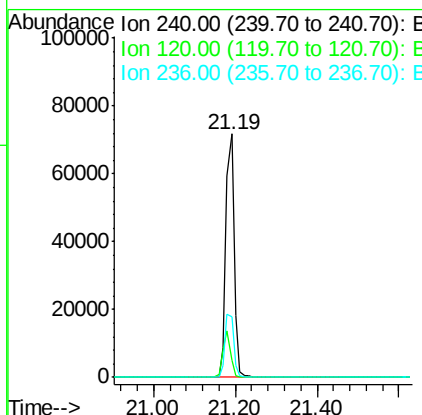
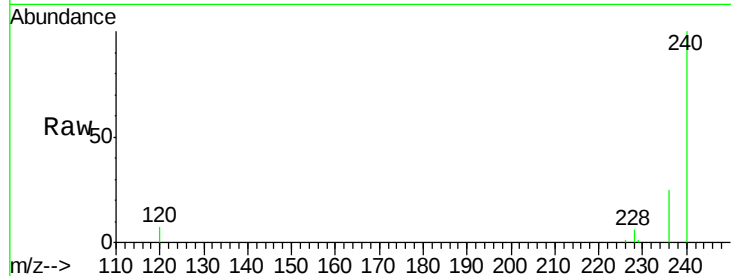
Tgt Ion:202 Resp: 186312
 Ion Ratio Lower Upper
 202 100
 101 12.9 10.1 15.1
 203 17.3 13.8 20.8





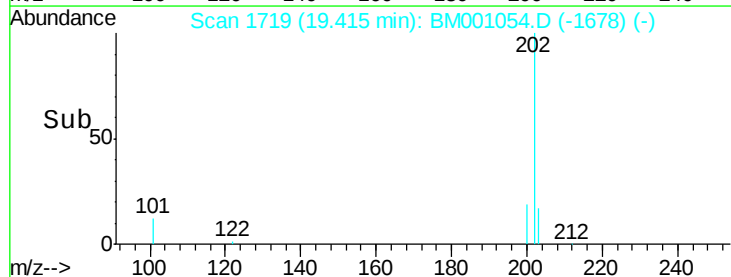
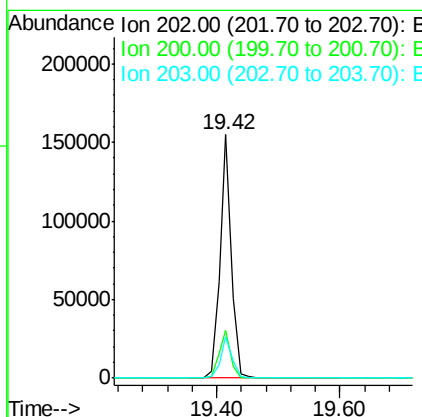
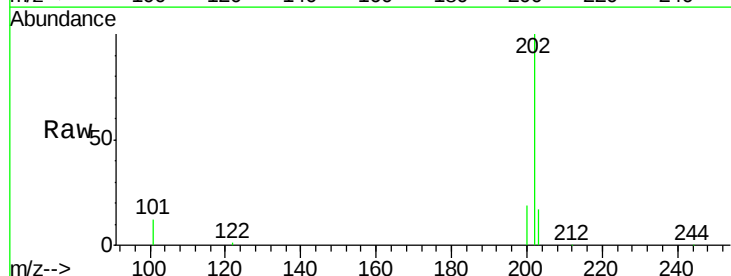
#19
Chrysene-d12
Concen: 5.00 ng
RT: 21.19 min Scan# 1874
Delta R.T. 0.00 min
Lab File: BM001054.D
Acq: 18 Apr 2015 10:25

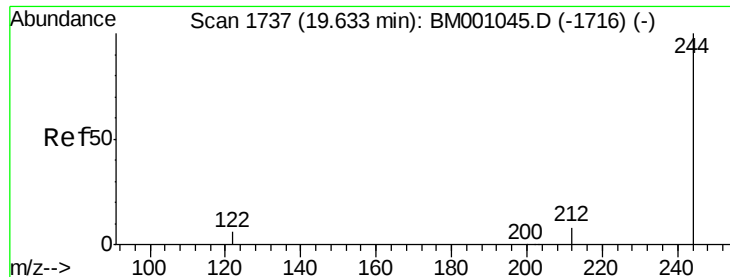
Tot Ion:240 Resp: 101360
Ion Ratio Lower Upper
240 100
120 6.8 4.6 6.8
236 24.7 19.1 28.7



#20
Pyrene
Concen: 5.96 ng
RT: 19.42 min Scan# 1719
Delta R.T. 0.00 min
Lab File: BM001054.D
Acq: 18 Apr 2015 10:25

Tgt Ion:202 Resp: 200349
Ion Ratio Lower Upper
202 100
200 20.1 16.3 24.5
203 17.8 13.8 20.6





#21

Terphenyl-d14

Concen: 5.96 ng

RT: 19.63 min Scan# 1737

Delta R.T. 0.00 min

Lab File: BM001054.D

Acq: 18 Apr 2015 10:25

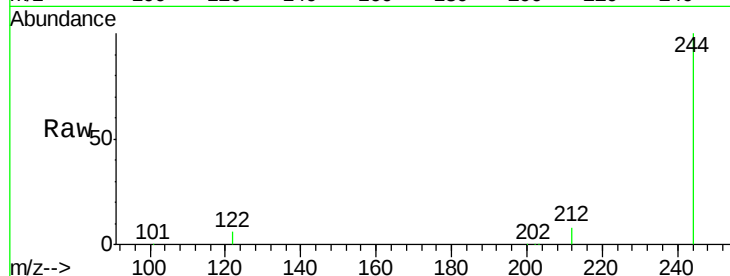
Tot Ion:244 Resp: 80028

Ion Ratio Lower Upper

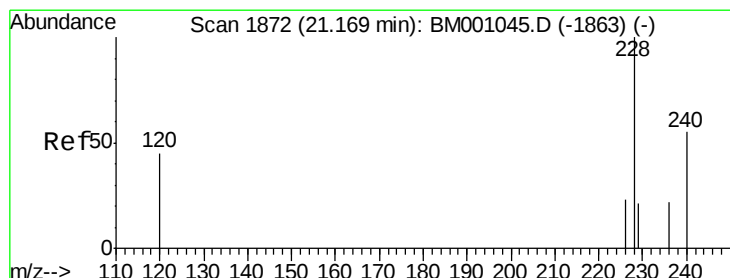
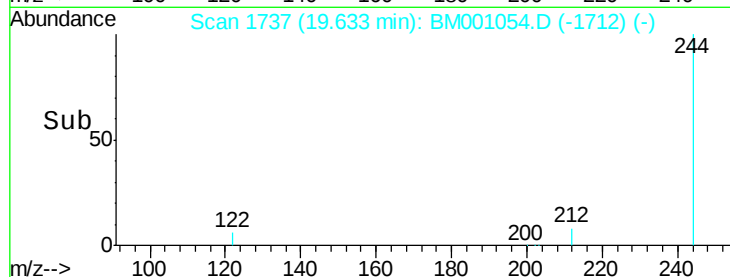
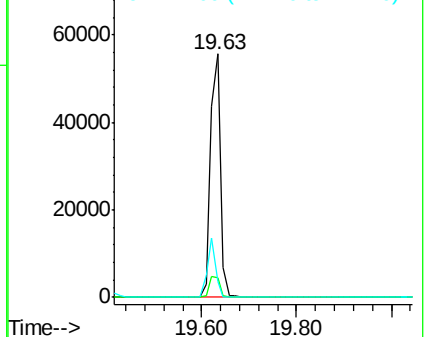
244 100

212 7.9 7.1 10.7

122 6.3 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: 6.17 ng

RT: 21.17 min Scan# 1872

Delta R.T. 0.00 min

Lab File: BM001054.D

Acq: 18 Apr 2015 10:25

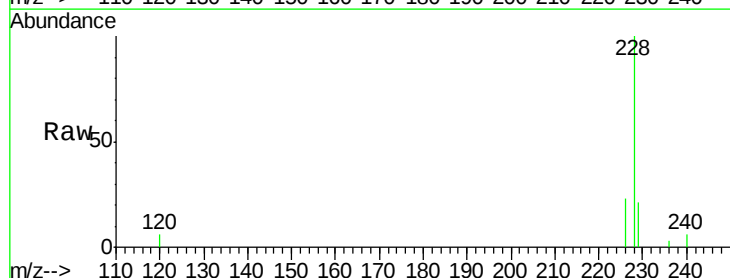
Tgt Ion:228 Resp: 181278

Ion Ratio Lower Upper

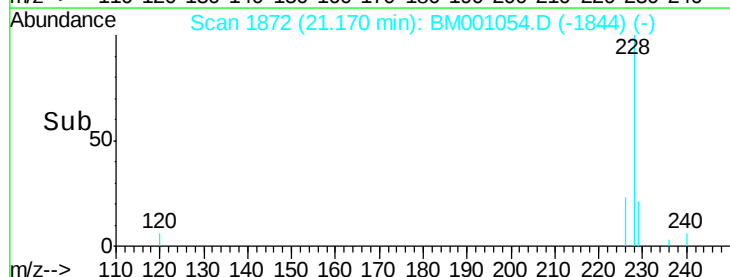
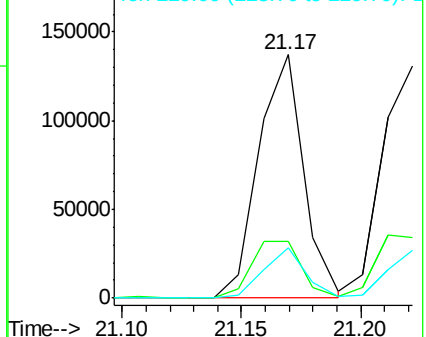
228 100

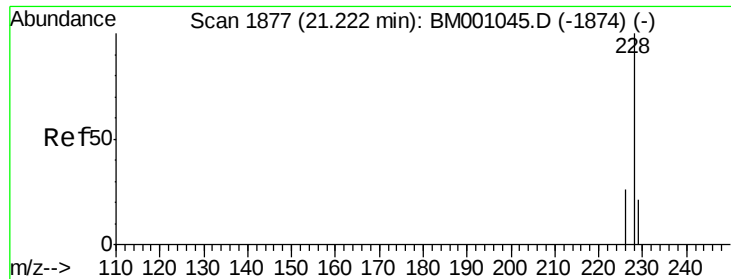
226 23.3 19.0 28.6

229 20.9 16.8 25.2



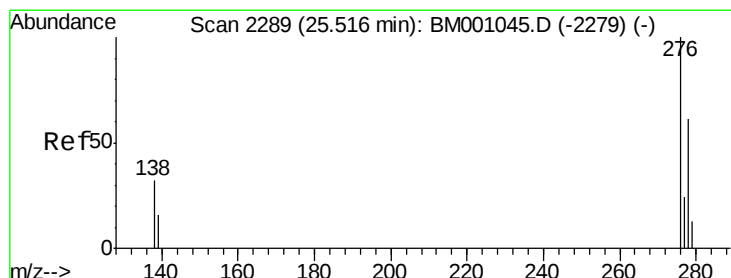
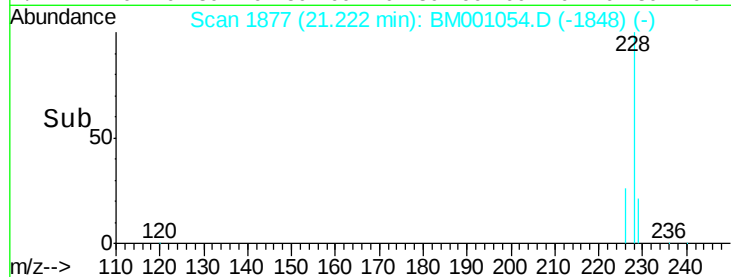
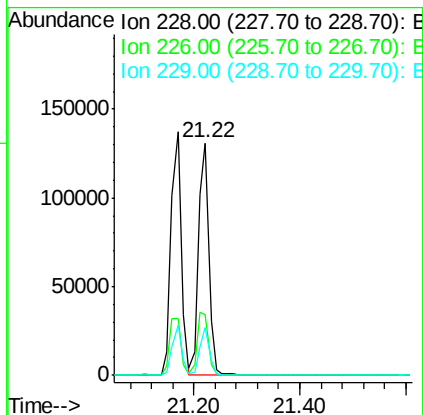
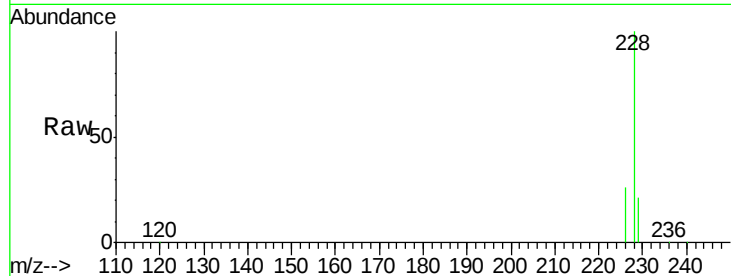
Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





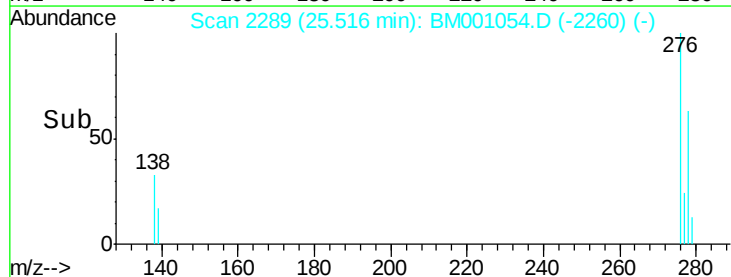
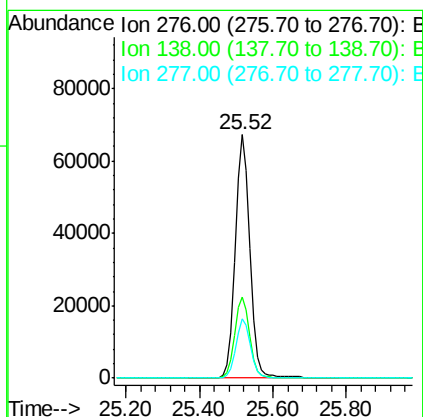
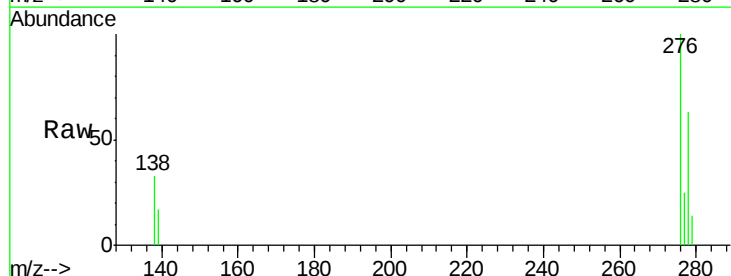
#23
Chrysene
Concen: 5.74 ng
RT: 21.22 min Scan# 1877
Delta R.T. 0.00 min
Lab File: BM001054.D
Acq: 18 Apr 2015 10:25

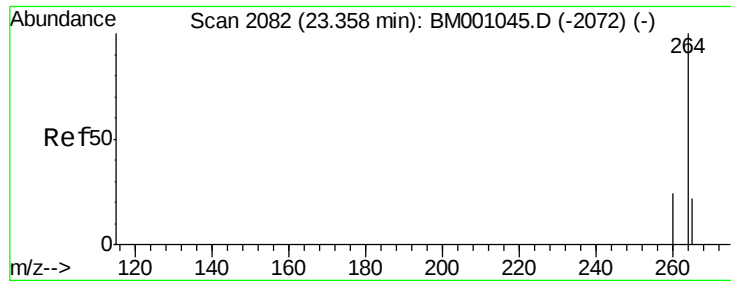
Tot Ion:228 Resp: 177607
Ion Ratio Lower Upper
228 100
226 26.0 20.6 31.0
229 20.6 17.2 25.8



#24
Indeno(1,2,3-cd)pyrene
Concen: 5.86 ng
RT: 25.52 min Scan# 2289
Delta R.T. 0.00 min
Lab File: BM001054.D
Acq: 18 Apr 2015 10:25

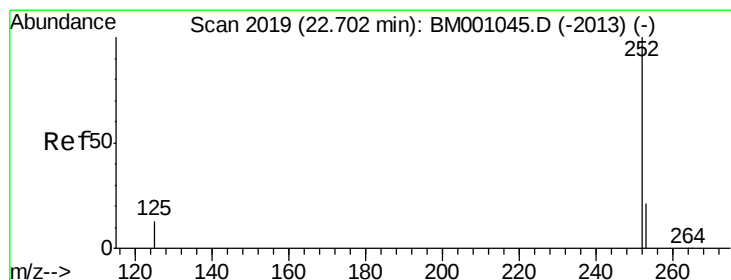
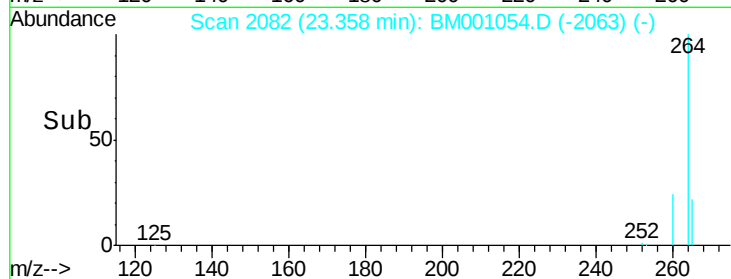
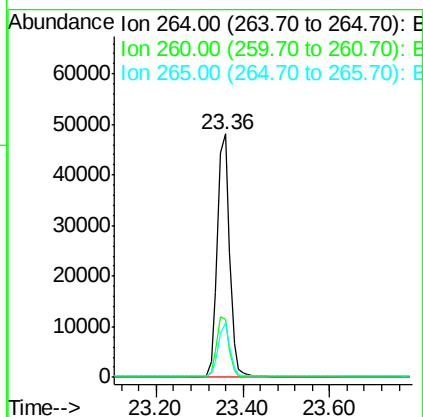
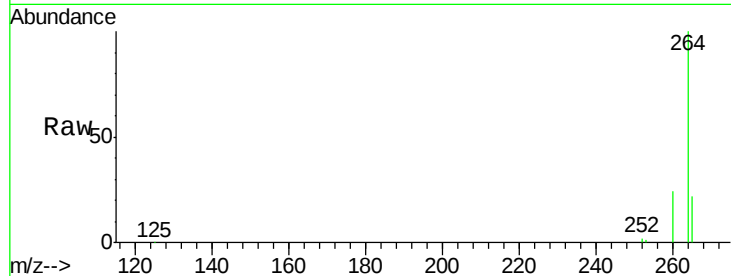
Tgt Ion:276 Resp: 185039
Ion Ratio Lower Upper
276 100
138 34.0 26.3 39.5
277 24.6 19.5 29.3





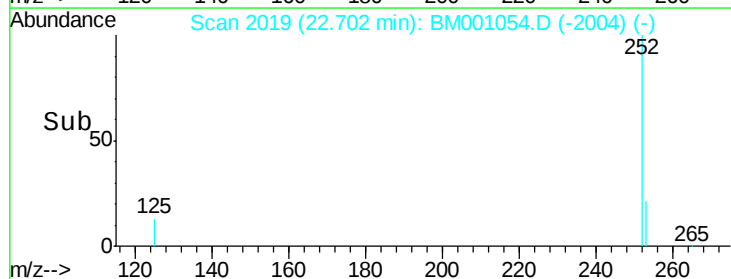
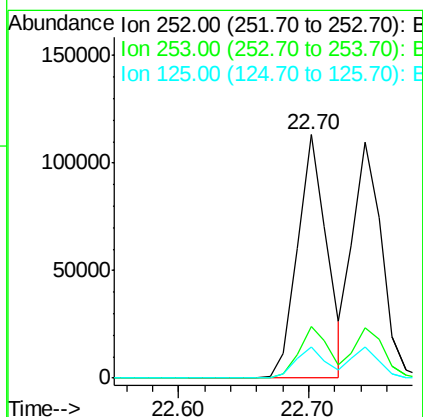
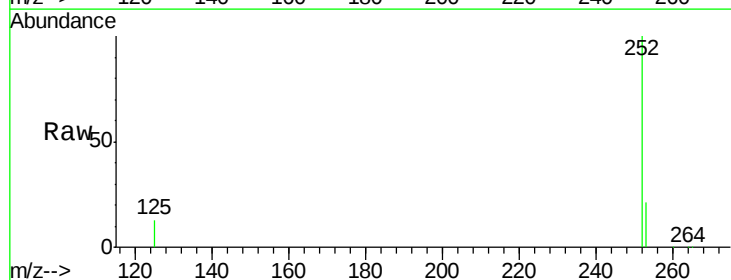
#25
Pervlene-d12
Concen: 5.00 ng
RT: 23.36 min Scan# 2082
Delta R.T. 0.00 min
Lab File: BM001054.D
Acq: 18 Apr 2015 10:25

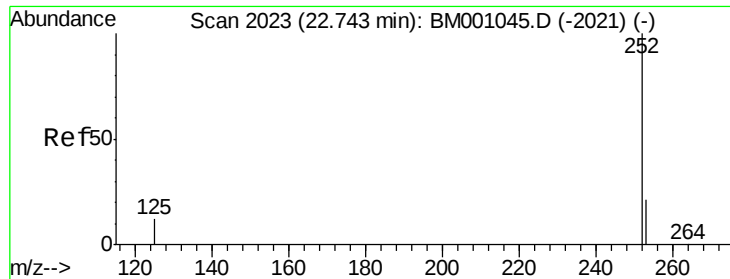
Tot Ion:264 Resp: 92911
Ion Ratio Lower Upper
264 100
260 23.8 19.0 28.6
265 22.2 17.9 26.9



#26
Benzo(b)fluoranthene
Concen: 5.92 ng
RT: 22.70 min Scan# 2019
Delta R.T. 0.00 min
Lab File: BM001054.D
Acq: 18 Apr 2015 10:25

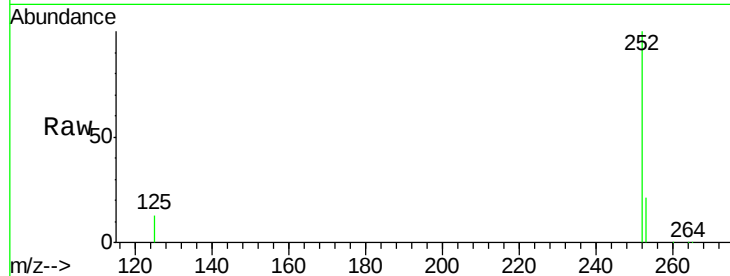
Tgt Ion:252 Resp: 176916
Ion Ratio Lower Upper
252 100
253 21.0 18.2 27.2
125 13.0 10.9 16.3



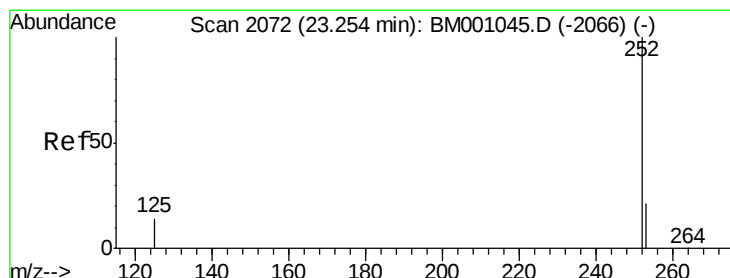
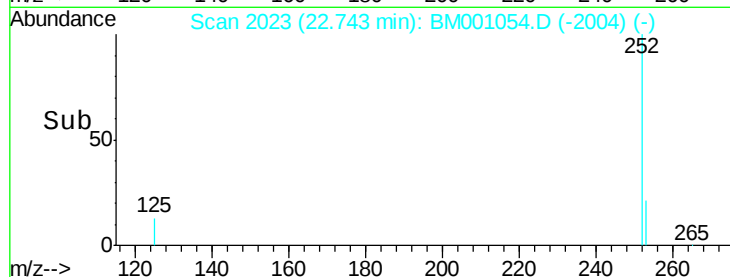
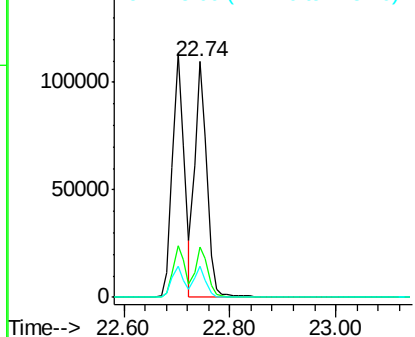


#27
Benzo(k)fluoranthene
Concen: 6.00 ng
RT: 22.74 min Scan# 2023
Delta R.T. 0.00 min
Lab File: BM001054.D
Acq: 18 Apr 2015 10:25

Tot Ion:252 Resp: 171756
Ion Ratio Lower Upper
252 100
253 21.2 18.3 27.5
125 13.1 10.6 15.8

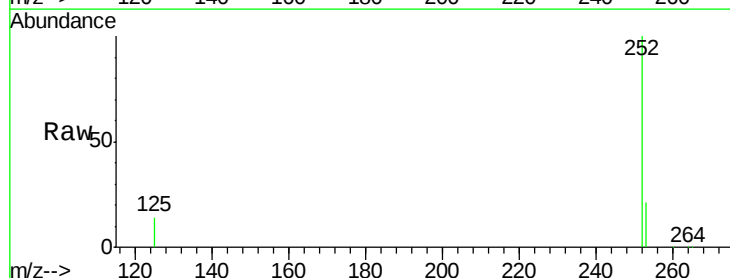


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

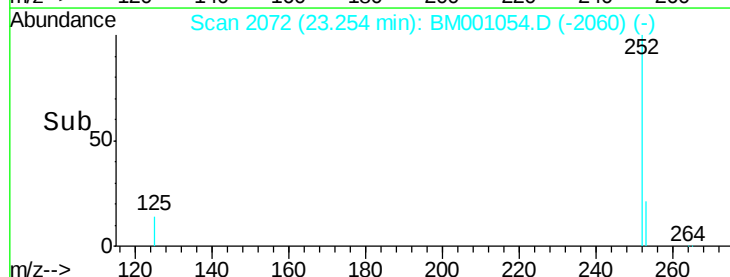
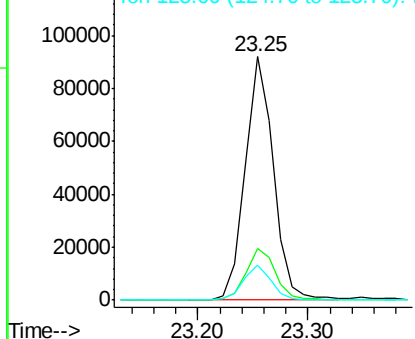


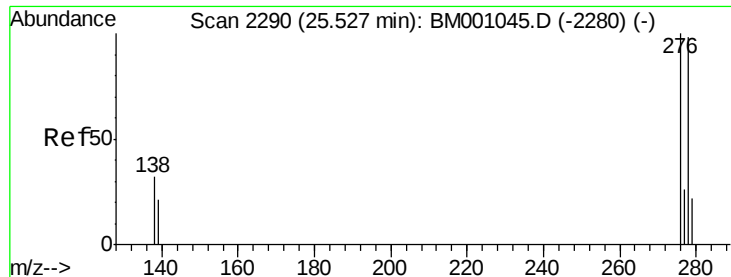
#28
Benzo(a)pyrene
Concen: 6.38 ng
RT: 23.25 min Scan# 2072
Delta R.T. 0.00 min
Lab File: BM001054.D
Acq: 18 Apr 2015 10:25

Tgt Ion:252 Resp: 162743
Ion Ratio Lower Upper
252 100
253 21.2 18.6 27.8
125 14.5 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

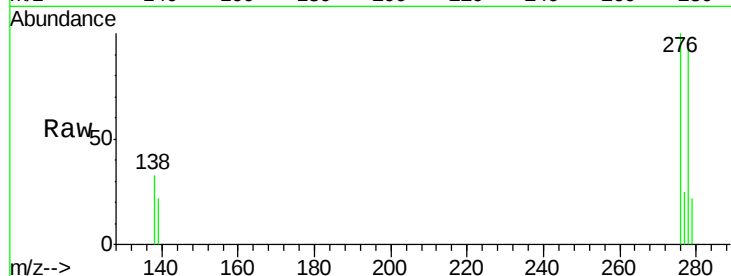




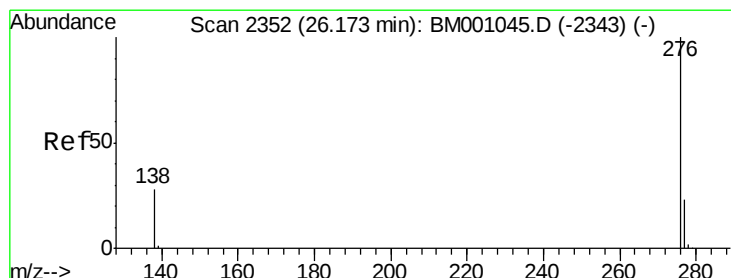
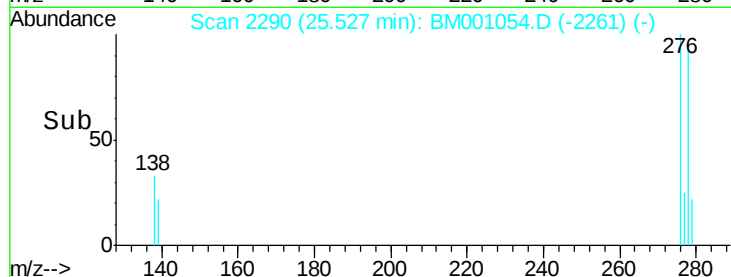
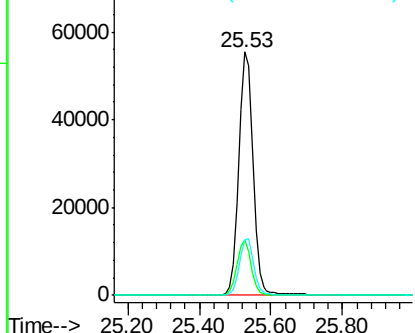
#29
Dibenzo(a,h)anthracene
Concen: 5.97 ng
RT: 25.53 min Scan# 2290
Delta R.T. 0.00 min
Lab File: BM001054.D
Acq: 18 Apr 2015 10:25

Tot Ion:278 Resp: 150841

Ion	Ratio	Lower	Upper
278	100		
139	23.0	18.2	27.2
279	22.9	19.1	28.7



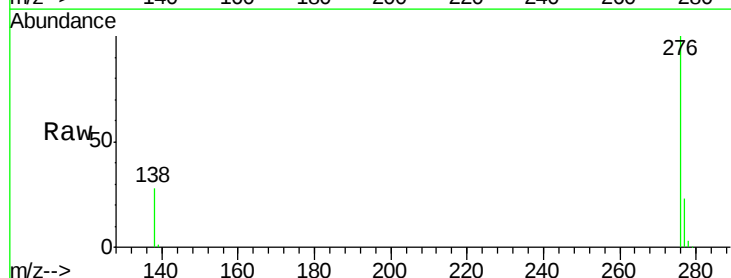
Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#30
Benzo(g,h,i)perylene
Concen: 5.76 ng
RT: 26.18 min Scan# 2353
Delta R.T. 0.01 min
Lab File: BM001054.D
Acq: 18 Apr 2015 10:25

Tgt Ion:276 Resp: 157509

Ion	Ratio	Lower	Upper
276	100		
277	23.3	19.0	28.4
138	28.0	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

