

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM010815\
 Data File : BM000148.D
 Acq On : 08 Jan 2015 18:30
 Operator : TP/IZ
 Sample : MDL-03-W
 Misc : MDL-WATER-0.15PPM-SIM
 ALS Vial : 28 Sample Multiplier: 1

Quant Time: Jan 09 00:47:46 2015

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-SIM-BM010715.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Thu Jan 08 10:41:47 2015

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	2764	0.40	ng/ul	0.00
2) Naphthalene-d8	10.62	136	8917	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.47	164	5469	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.23	188	10504	0.40	ng/ul	0.02
16) Chrysene-d12	21.41	240	9186	0.40	ng/ul	0.00
20) Perylene-d12	23.70	264	8196	0.40	ng/ul	0.00

System Monitoring Compounds

4) 2-Methylnaphthalene-d10	12.22	152	4722	0.40	ng/ul	0.00
14) Fluoranthene-d10	19.25	212	7878	0.35	ng/ul	0.00

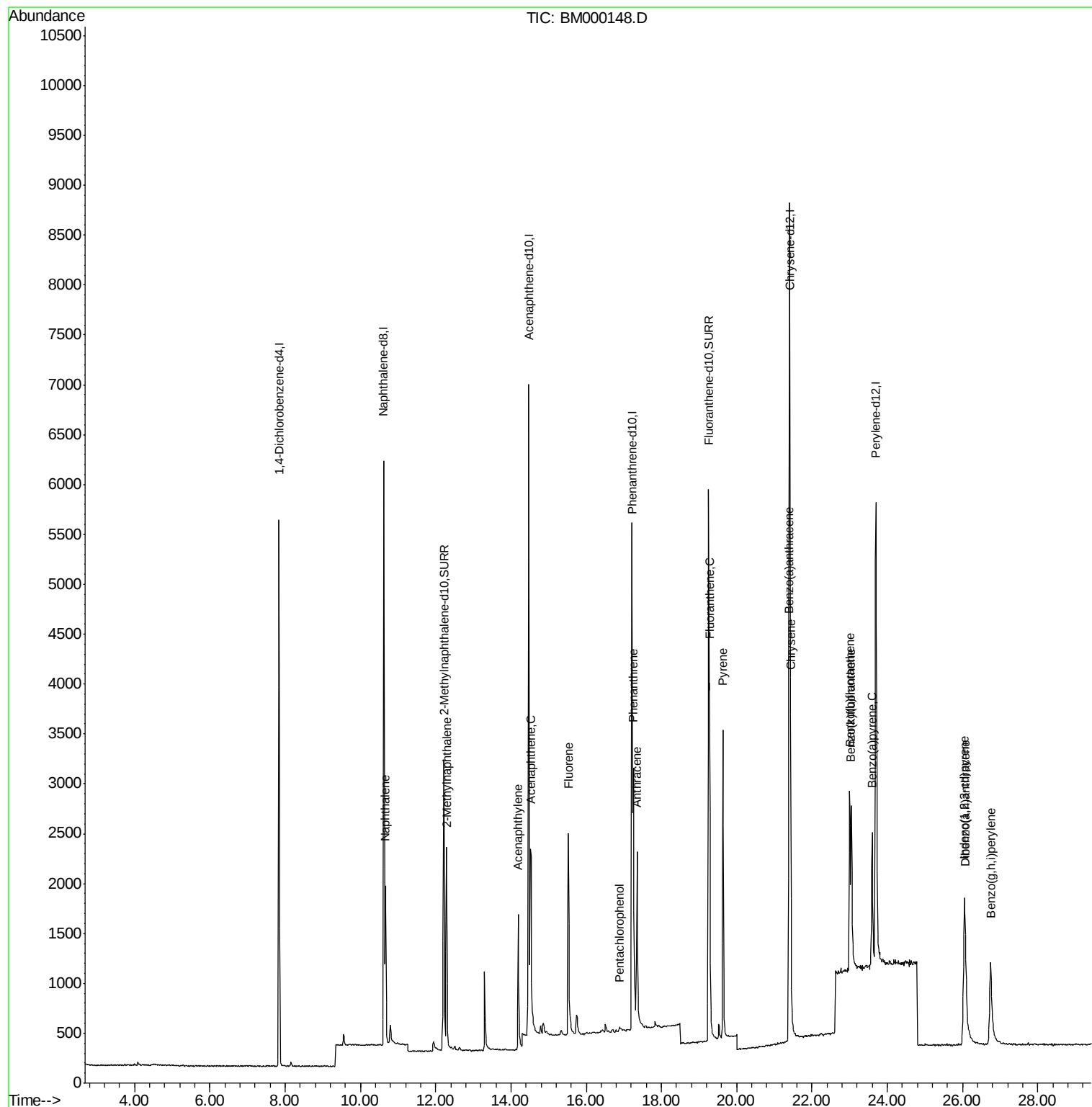
Target Compounds

						Qvalue
3) Naphthalene	10.67	128	2322	0.10	ng/ul#	92
5) 2-Methylnaphthalene	12.29	142	1567	0.10	ng/ul	98
7) Acenaphthylene	14.20	152	2446	0.09	ng/ul#	90
8) Acenaphthene	14.52	153	1565	0.09	ng/ul#	81
9) Fluorene	15.52	166	1896	0.10	ng/ul#	96
11) Pentachlorophenol	16.89	266	102	0.06	ng/ul#	79
12) Phenanthrene	17.26	178	2919	0.09	ng/ul	94
13) Anthracene	17.35	178	2711m	0.09	ng/ul	
15) Fluoranthene	19.27	202	3437	0.10	ng/ul	96
17) Pyrene	19.64	202	3574	0.09	ng/ul	96
18) Benzo(a)anthracene	21.39	228	2644	0.09	ng/ul	96
19) Chrysene	21.44	228	3235	0.10	ng/ul	97
21) Benzo(b)fluoranthene	23.00	252	2778	0.09	ng/ul	83
22) Benzo(k)fluoranthene	23.04	252	3145	0.10	ng/ul#	81
23) Benzo(a)pyrene	23.60	252	2811	0.10	ng/ul#	75
24) Indeno(1,2,3-cd)pyrene	26.05	276	3065	0.09	ng/ul	97
25) Dibenzo(a,h)anthracene	26.07	278	2352	0.09	ng/ul#	76
26) Benzo(g,h,i)perylene	26.74	276	2799	0.09	ng/ul#	89

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

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#3

Naphthalene

Concen: 0.10 ng/ul

RT: 10.67 min Scan# 1352

Delta R.T. -0.01 min

Lab File: BM000148.D

Acq: 08 Jan 2015 18:30

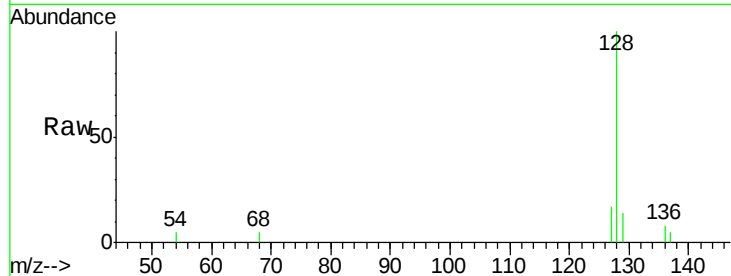
Tgt Ion:128 Resp: 2322

Ion Ratio Lower Upper

128 100

129 14.0 9.5 14.3

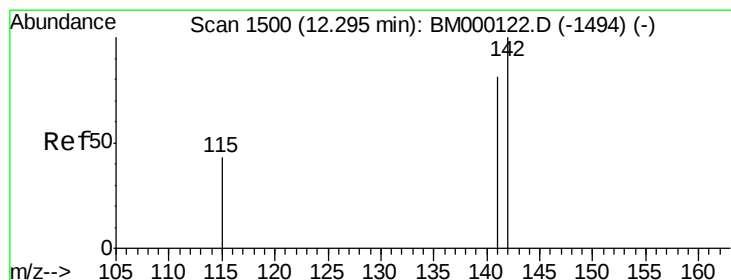
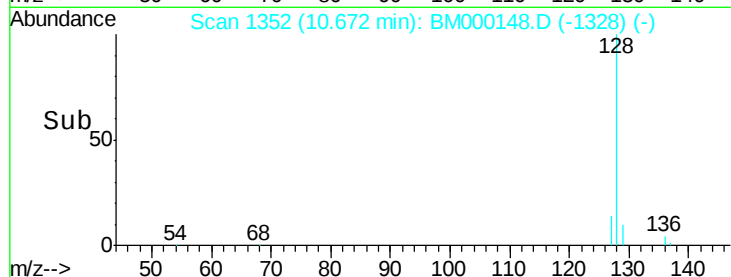
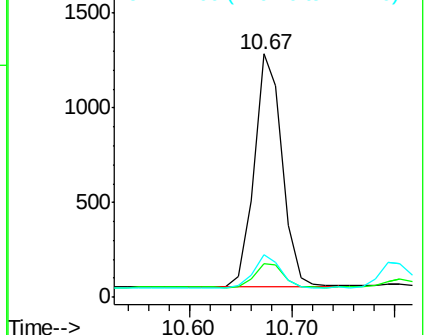
127 17.4 10.4 15.6#



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#5

2-Methylnaphthalene

Concen: 0.10 ng/ul

RT: 12.29 min Scan# 1500

Delta R.T. 0.00 min

Lab File: BM000148.D

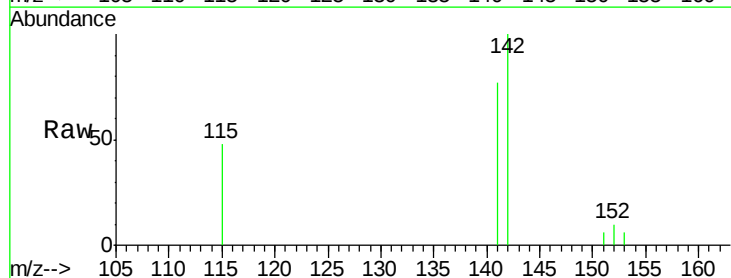
Acq: 08 Jan 2015 18:30

Tgt Ion:142 Resp: 1567

Ion Ratio Lower Upper

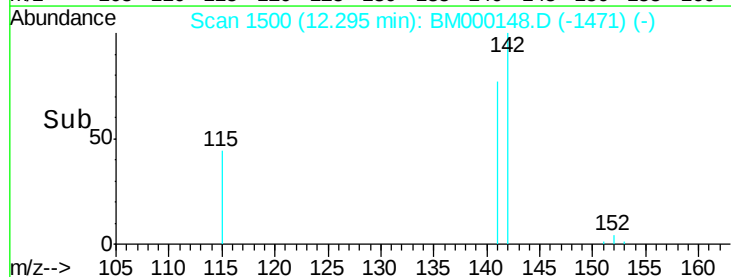
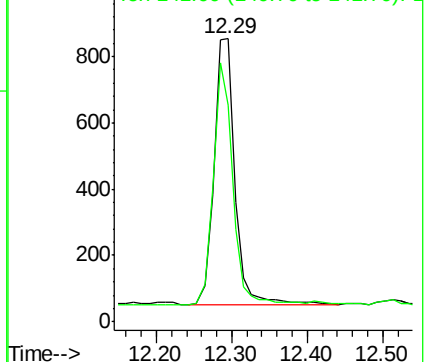
142 100

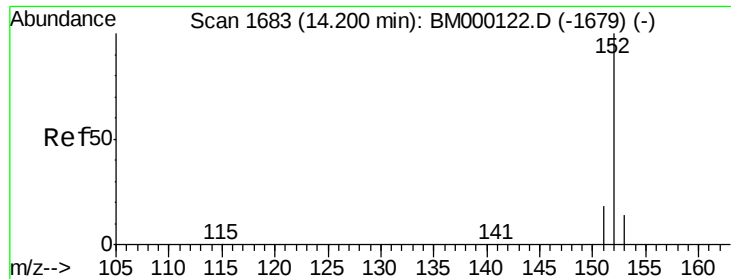
141 83.9 68.9 103.3



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.09 ng/ul

RT: 14.20 min Scan# 1683

Delta R.T. 0.00 min

Lab File: BM000148.D

Acq: 08 Jan 2015 18:30

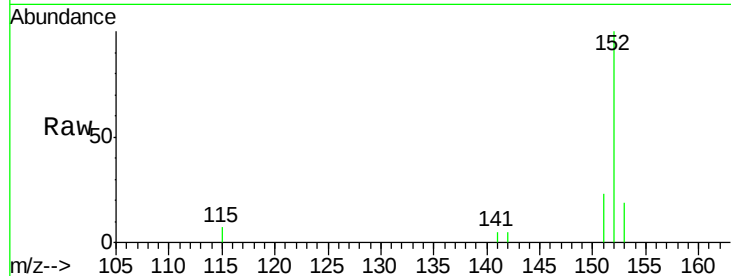
Tgt Ion:152 Resp: 2446

Ion Ratio Lower Upper

152 100

151 22.7 15.4 23.2

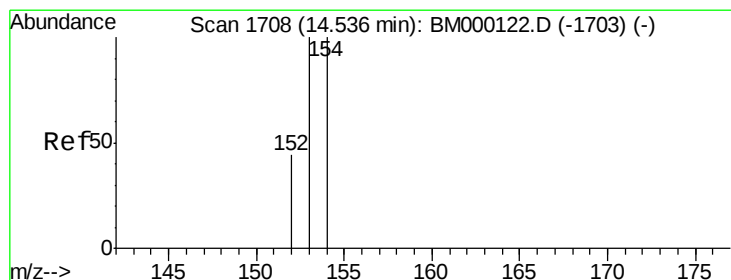
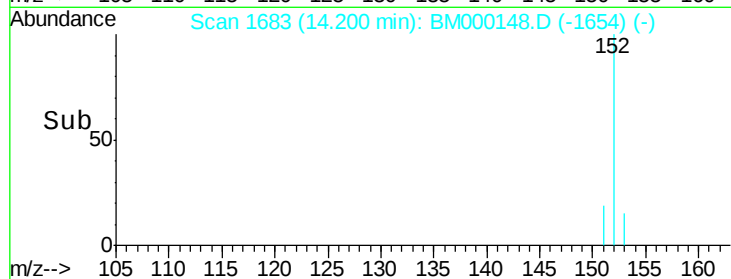
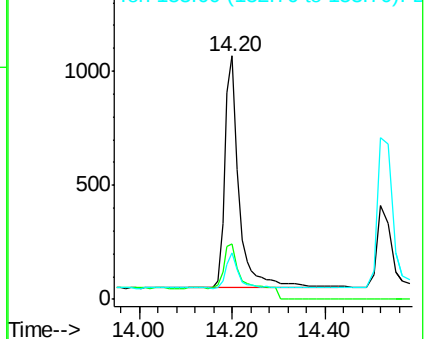
153 18.9 11.0 16.4#



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



#8

Acenaphthene

Concen: 0.09 ng/ul

RT: 14.52 min Scan# 1707

Delta R.T. -0.02 min

Lab File: BM000148.D

Acq: 08 Jan 2015 18:30

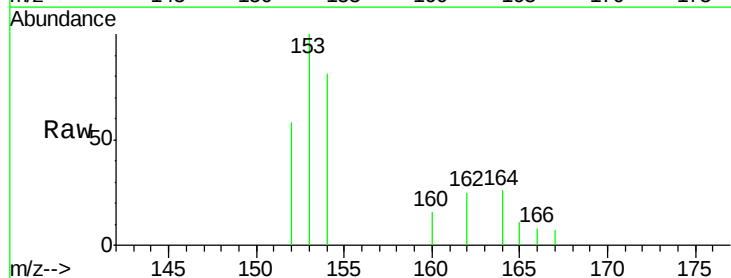
Tgt Ion:153 Resp: 1565

Ion Ratio Lower Upper

153 100

152 58.4 35.8 53.6#

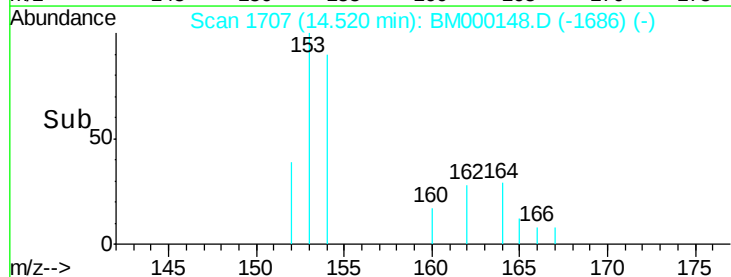
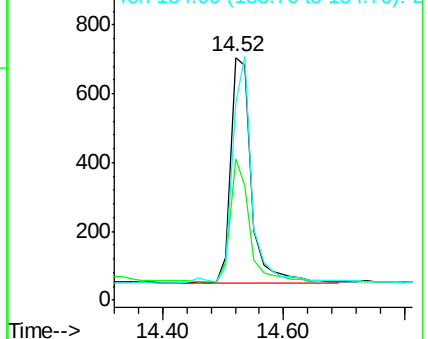
154 81.4 79.9 119.9



Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

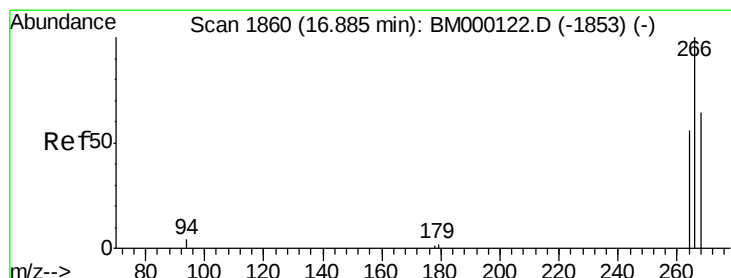
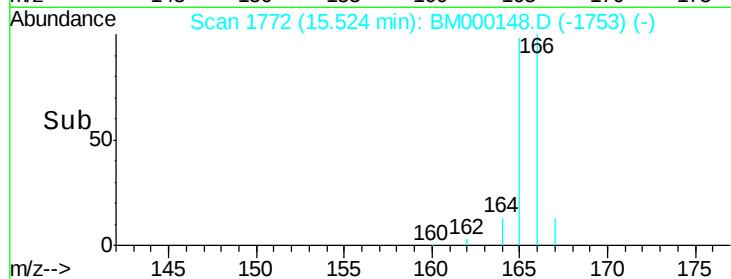
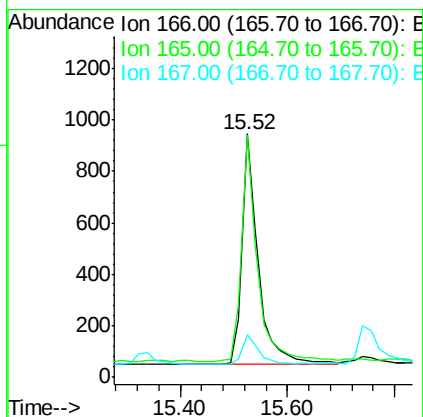
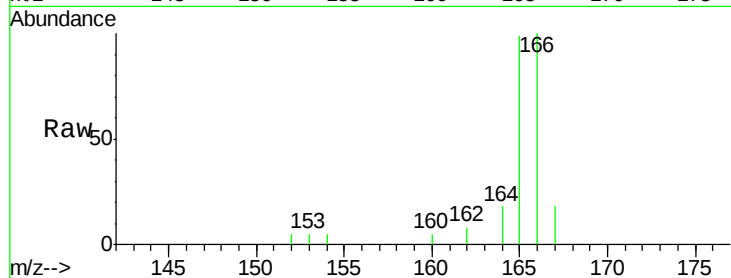
Ion 154.00 (153.70 to 154.70): E





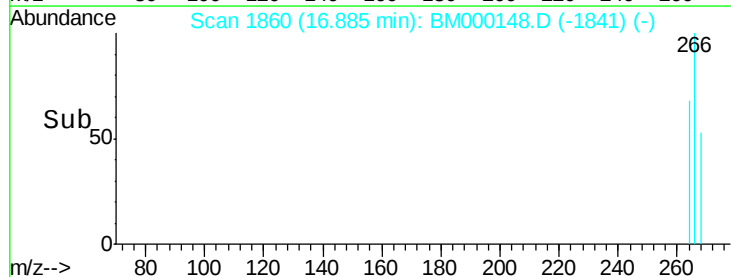
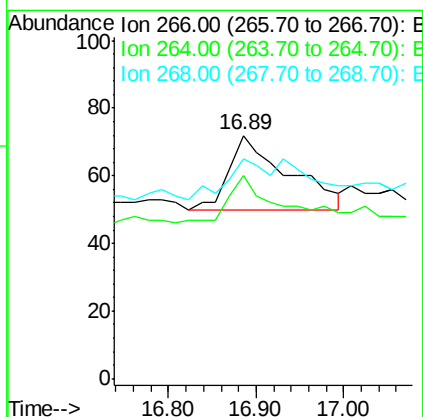
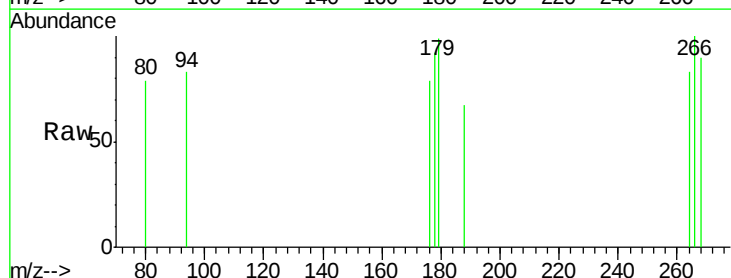
#9
 Fluorene
 Concen: 0.10 ng/ul
 RT: 15.52 min Scan# 1772
 Delta R.T. 0.00 min
 Lab File: BM000148.D
 Acq: 08 Jan 2015 18:30

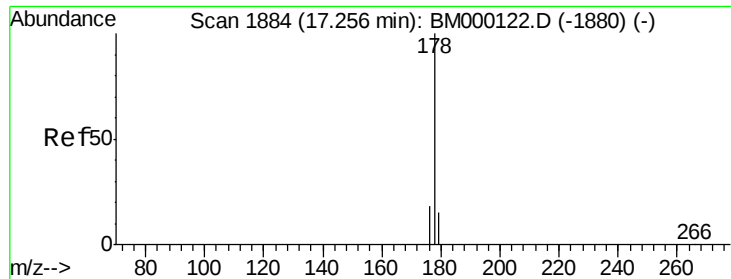
Tgt Ion:166 Resp: 1896
 Ion Ratio Lower Upper
 166 100
 165 99.3 77.0 115.4
 167 17.7 11.0 16.6#



#11
 Pentachlorophenol
 Concen: 0.06 ng/ul
 RT: 16.89 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: BM000148.D
 Acq: 08 Jan 2015 18:30

Tgt Ion:266 Resp: 102
 Ion Ratio Lower Upper
 266 100
 264 57.8 53.9 80.9
 268 37.3 49.2 73.8#





#12

Phenanthrene

Concen: 0.09 ng/ul

RT: 17.26 min Scan# 1884

Delta R.T. 0.00 min

Lab File: BM000148.D

Acq: 08 Jan 2015 18:30

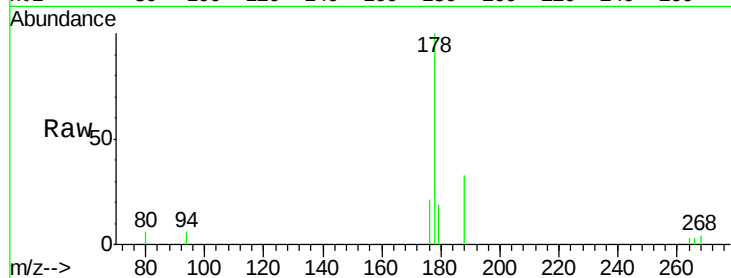
Tgt Ion:178 Resp: 2919

Ion Ratio Lower Upper

178 100

176 21.5 15.1 22.7

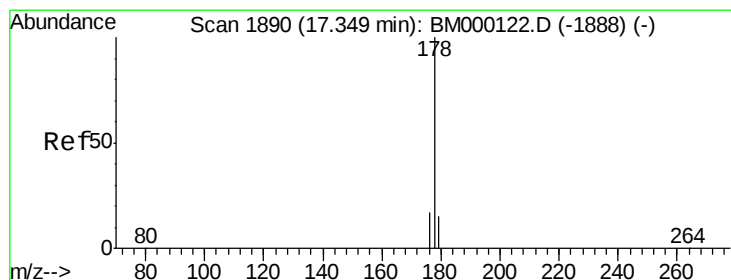
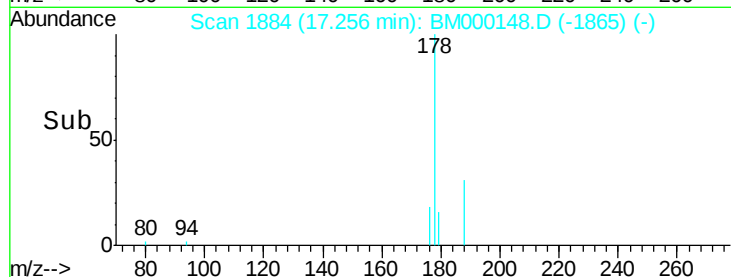
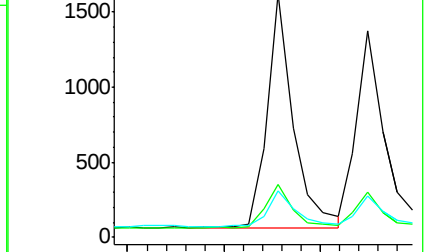
179 19.2 13.0 19.4



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



#13

Anthracene

Concen: 0.09 ng/ul m

RT: 17.35 min Scan# 1890

Delta R.T. 0.00 min

Lab File: BM000148.D

Acq: 08 Jan 2015 18:30

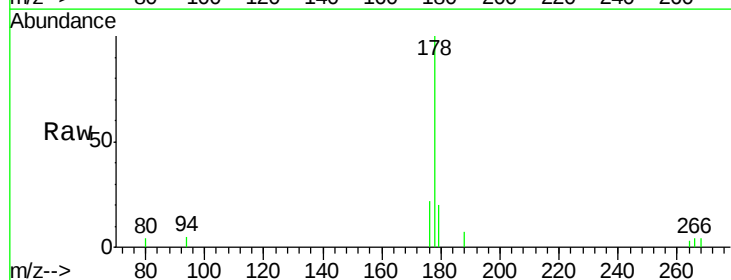
Tgt Ion:178 Resp: 2711

Ion Ratio Lower Upper

178 100

176 21.6 14.6 21.8

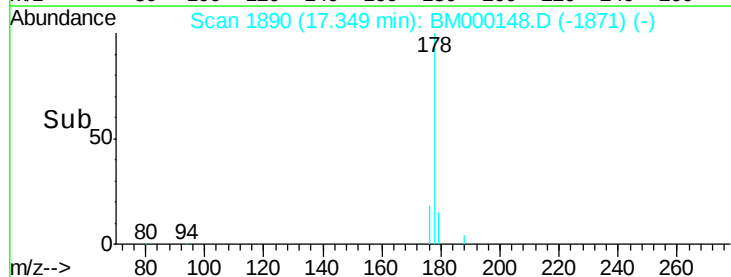
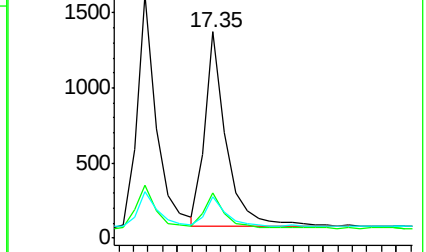
179 19.8 13.1 19.7#

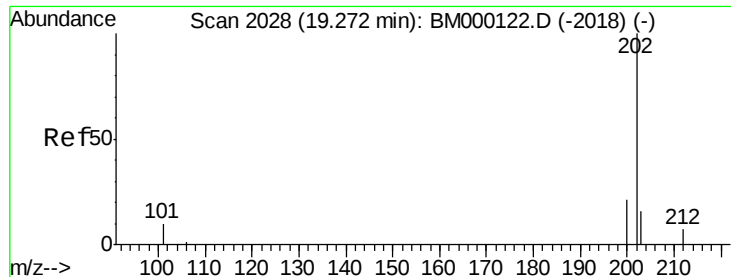


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

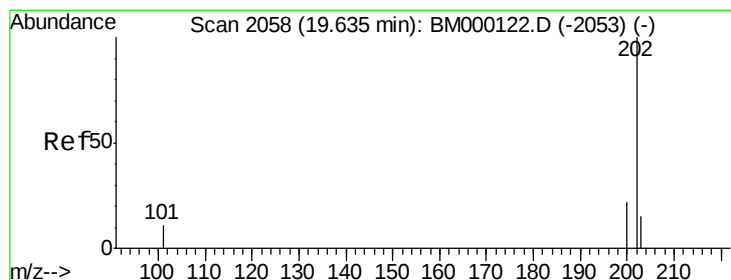
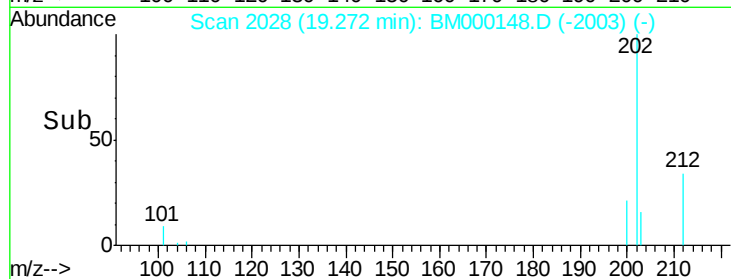
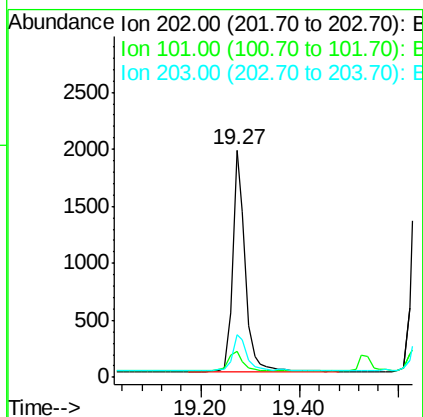
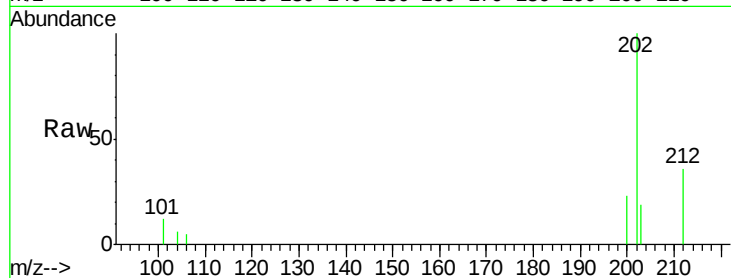
Ion 179.00 (178.70 to 179.70): E





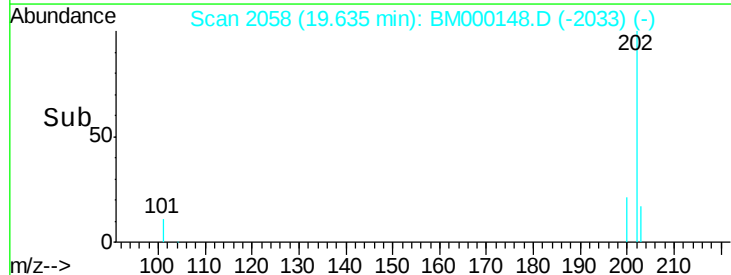
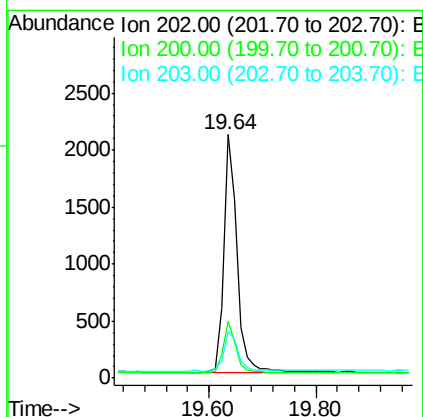
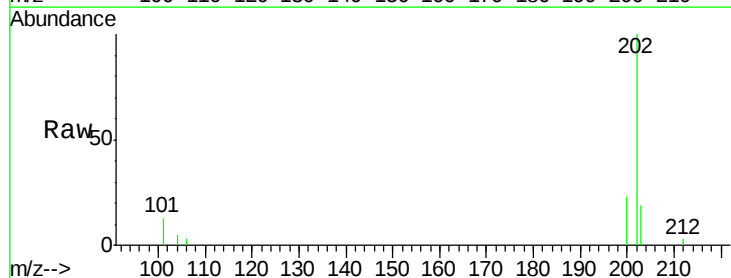
#15
 Fluoranthene
 Concen: 0.10 ng/ul
 RT: 19.27 min Scan# 2028
 Delta R.T. 0.00 min
 Lab File: BM000148.D
 Acq: 08 Jan 2015 18:30

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.7	0.0	30.5
203	18.9	0.0	36.6



#17
 Pyrene
 Concen: 0.09 ng/ul
 RT: 19.64 min Scan# 2058
 Delta R.T. 0.00 min
 Lab File: BM000148.D
 Acq: 08 Jan 2015 18:30

Tgt Ion	Ratio	Lower	Upper
202	100		
200	23.2	17.9	26.9
203	19.1	12.8	19.2





#18

Benzo(a)anthracene

Concen: 0.09 ng/ul

RT: 21.39 min Scan# 2221

Delta R.T. 0.00 min

Lab File: BM000148.D

Acq: 08 Jan 2015 18:30

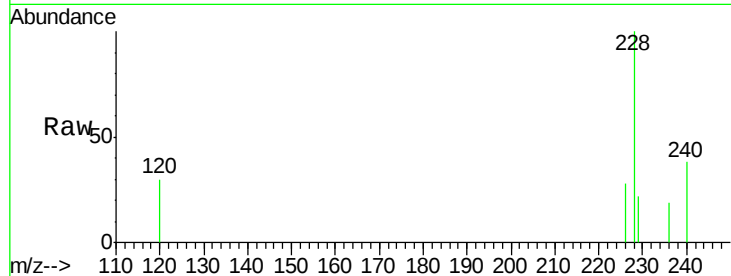
Tgt Ion:228 Resp: 2644

Ion Ratio Lower Upper

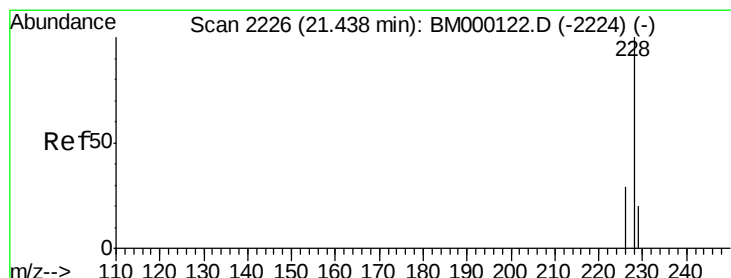
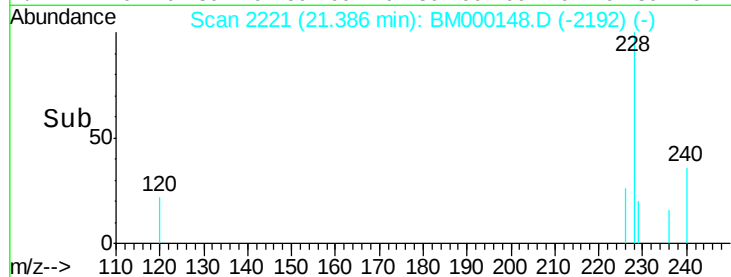
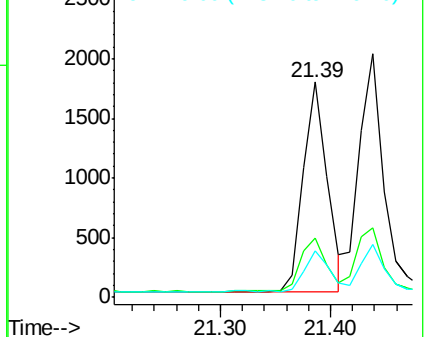
228 100

226 27.7 20.8 31.2

229 21.8 15.5 23.3



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



#19

Chrysene

Concen: 0.10 ng/ul

RT: 21.44 min Scan# 2226

Delta R.T. 0.00 min

Lab File: BM000148.D

Acq: 08 Jan 2015 18:30

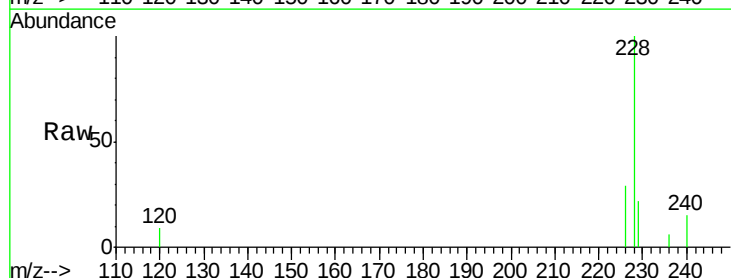
Tgt Ion:228 Resp: 3235

Ion Ratio Lower Upper

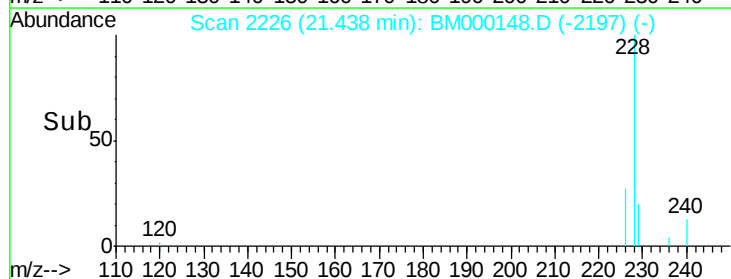
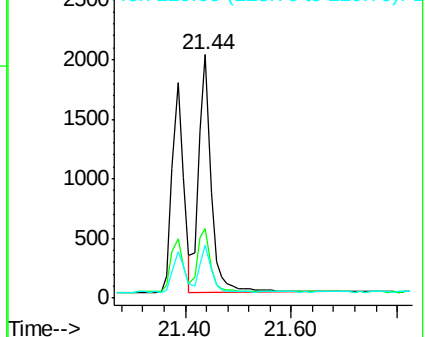
228 100

226 28.8 23.8 35.6

229 21.8 15.8 23.8



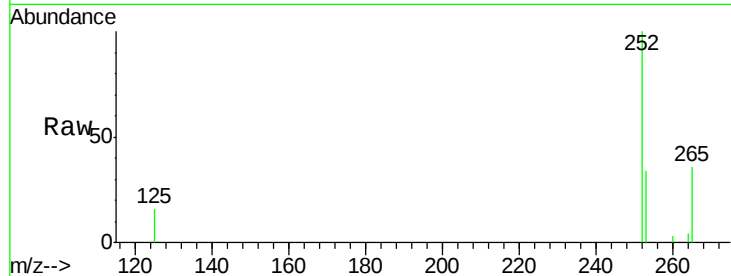
Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



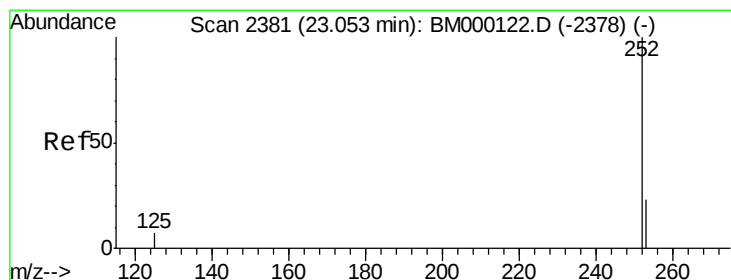
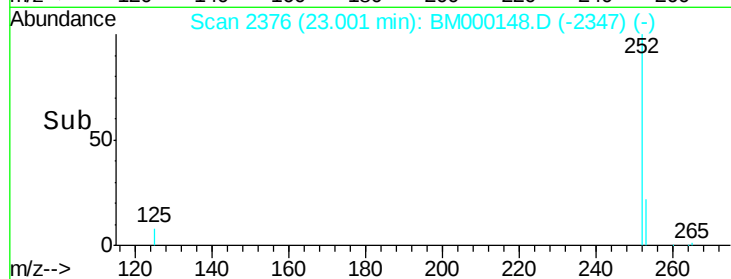
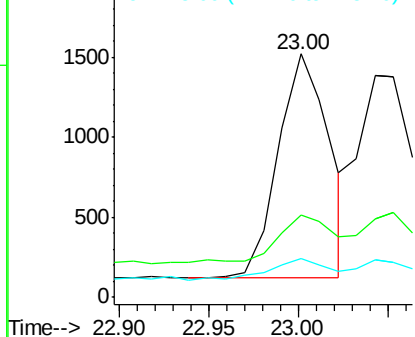


#21
Benzo(b)fluoranthene
Concen: 0.09 ng/u1
RT: 23.00 min Scan# 2376
Delta R.T. 0.00 min
Lab File: BM000148.D
Acq: 08 Jan 2015 18:30

Tgt Ion:252 Resp: 2778
Ion Ratio Lower Upper
252 100
253 33.6 0.0 48.2
125 15.7 0.0 21.6

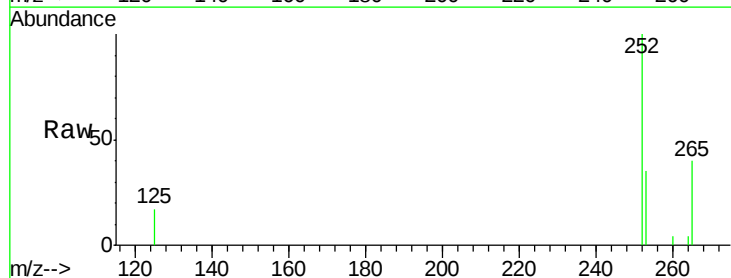


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

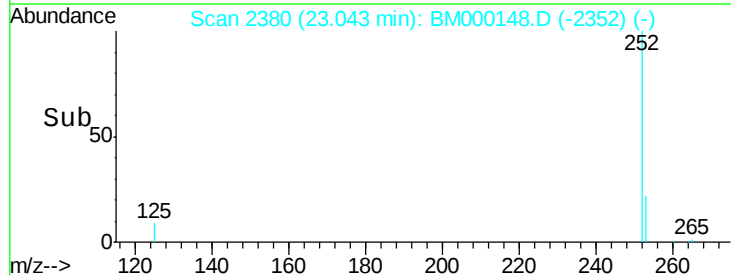
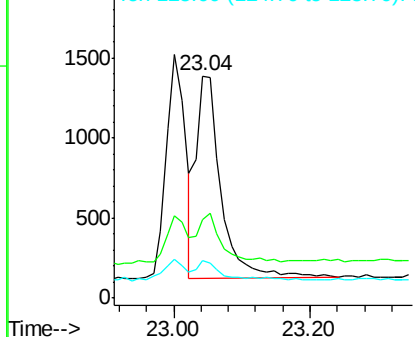


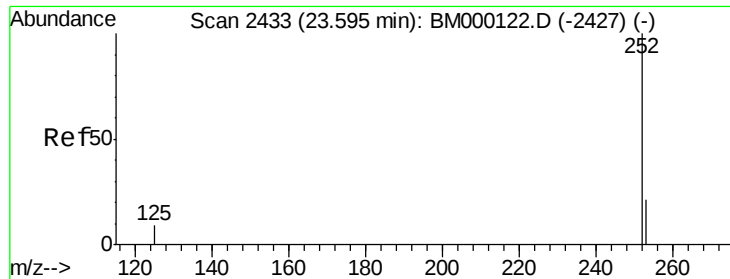
#22
Benzo(k)fluoranthene
Concen: 0.10 ng/u1
RT: 23.04 min Scan# 2380
Delta R.T. -0.01 min
Lab File: BM000148.D
Acq: 08 Jan 2015 18:30

Tgt Ion:252 Resp: 3145
Ion Ratio Lower Upper
252 100
253 35.2 20.5 30.7#
125 17.1 7.8 11.8#



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





#23

Benzo(a)pyrene

Concen: 0.10 ng/ul

RT: 23.60 min Scan# 2433

Delta R.T. 0.00 min

Lab File: BM000148.D

Acq: 08 Jan 2015 18:30

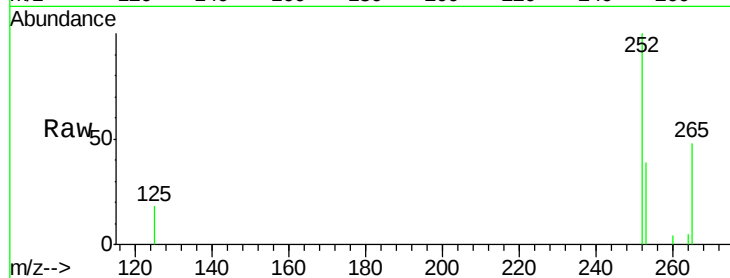
Tgt Ion: 252 Resp: 2811

Ion Ratio Lower Upper

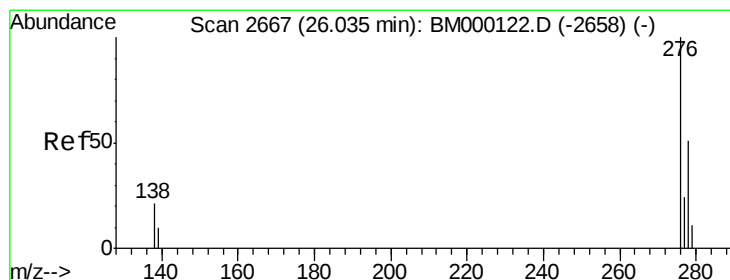
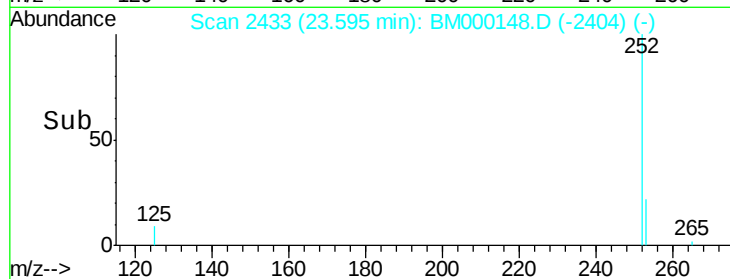
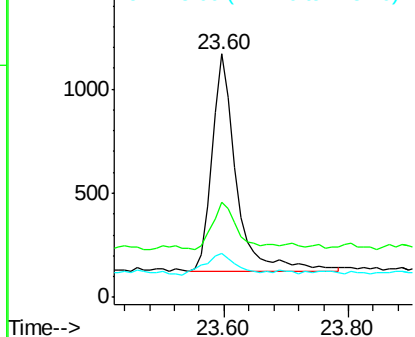
252 100

253 39.1 19.8 29.6#

125 18.0 9.2 13.8#



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



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.09 ng/ul

RT: 26.05 min Scan# 2668

Delta R.T. 0.01 min

Lab File: BM000148.D

Acq: 08 Jan 2015 18:30

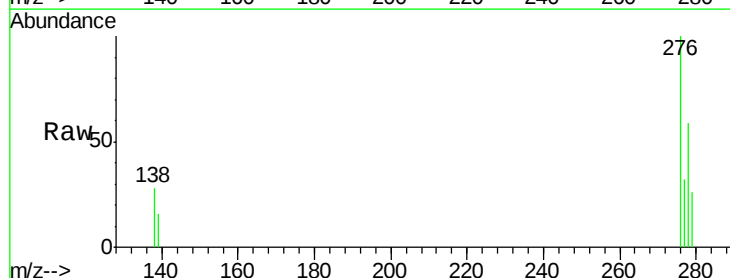
Tgt Ion: 276 Resp: 3065

Ion Ratio Lower Upper

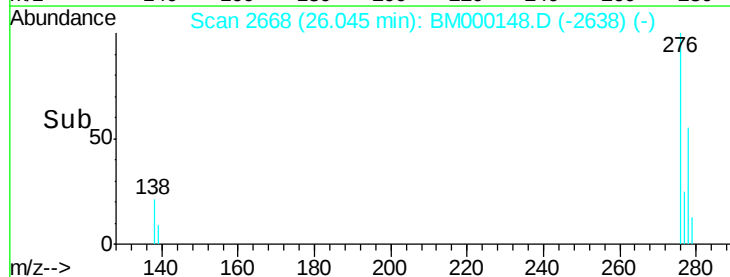
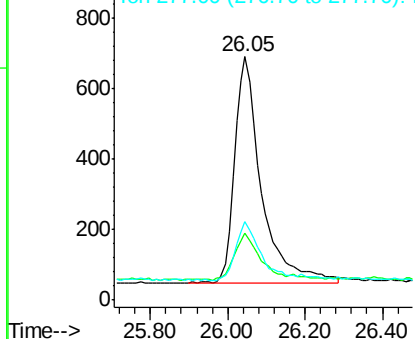
276 100

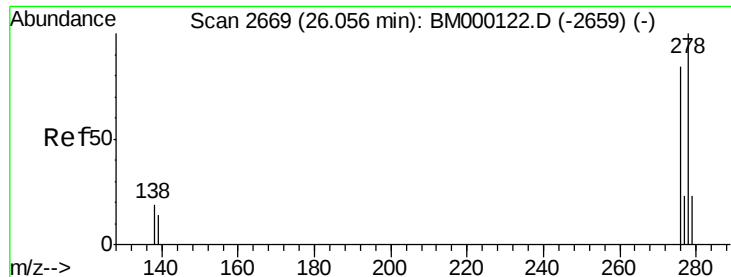
138 19.1 17.6 26.4

277 25.3 19.9 29.9



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

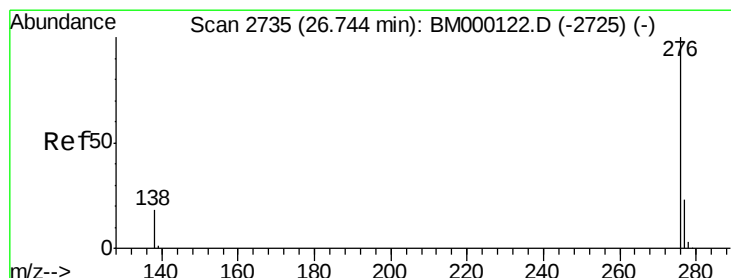
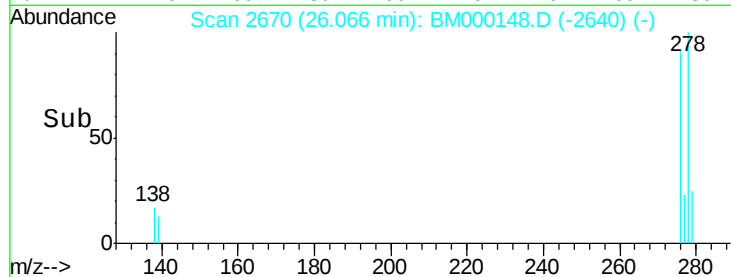
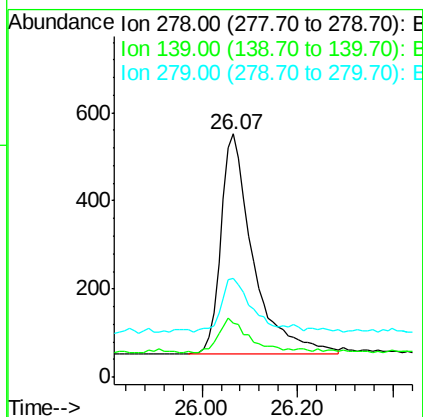
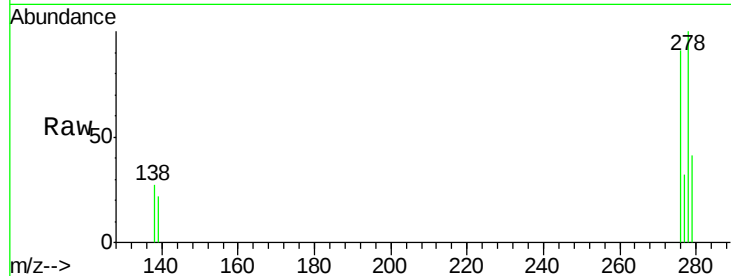




#25
Dibenzo(a,h)anthracene
Concen: 0.09 ng/ul
RT: 26.07 min Scan# 2670
Delta R.T. 0.01 min
Lab File: BM000148.D
Acq: 08 Jan 2015 18:30

Tgt Ion: 278 Resp: 2352

Ion	Ratio	Lower	Upper
278	100		
139	22.1	12.6	18.8#
279	40.8	20.6	30.8#



#26
Benzo(g,h,i)perylene
Concen: 0.09 ng/ul
RT: 26.74 min Scan# 2735
Delta R.T. 0.00 min
Lab File: BM000148.D
Acq: 08 Jan 2015 18:30

Tgt Ion: 276 Resp: 2799

Ion	Ratio	Lower	Upper
276	100		
277	30.0	20.0	30.0
138	25.7	15.7	23.5#

