

Data Path : Z:\HPCHEM1\BNA_M\Data\BM010815\
 Data File : BM000153.D
 Acq On : 08 Jan 2015 22:03
 Operator : TP/IZ
 Sample : MDL-01-S
 Misc : MDL-SOIL-0.15PPM-SIM
 ALS Vial : 34 Sample Multiplier: 1

Quant Time: Jan 09 01:00:52 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	2532	0.40	ng/ul	0.00
2) Naphthalene-d8	10.62	136	8241	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.47	164	5107	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.21	188	9738	0.40	ng/ul	0.00
16) Chrysene-d12	21.41	240	8358	0.40	ng/ul	0.00
20) Perylene-d12	23.70	264	7691	0.40	ng/ul	0.00

System Monitoring Compounds

4) 2-Methylnaphthalene-d10	12.22	152	4326	0.39	ng/ul	0.00
14) Fluoranthene-d10	19.25	212	7010	0.33	ng/ul	0.00

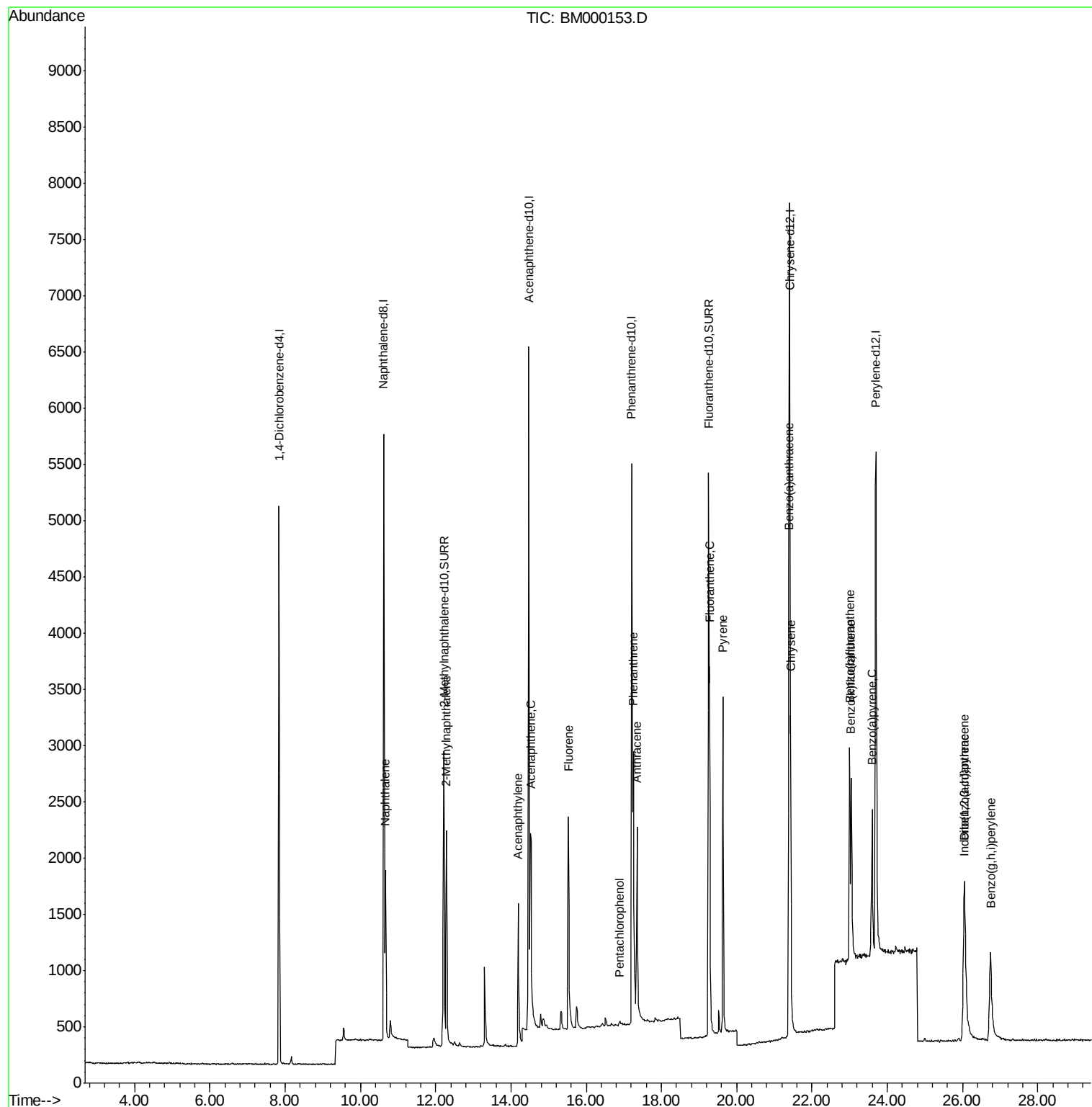
Target Compounds

						Qvalue
3) Naphthalene	10.67	128	2236	0.10	ng/ul#	92
5) 2-Methylnaphthalene	12.28	142	1463	0.10	ng/ul	99
7) Acenaphthylene	14.20	152	2391	0.09	ng/ul#	92
8) Acenaphthene	14.52	153	1491	0.09	ng/ul#	82
9) Fluorene	15.52	166	1759	0.10	ng/ul#	97
11) Pentachlorophenol	16.88	266	62	0.04	ng/ul#	67
12) Phenanthrene	17.26	178	2780	0.09	ng/ul#	91
13) Anthracene	17.35	178	2630	0.09	ng/ul#	93
15) Fluoranthene	19.27	202	3258	0.10	ng/ul	95
17) Pyrene	19.63	202	3330	0.10	ng/ul#	95
18) Benzo(a)anthracene	21.39	228	2576	0.09	ng/ul	96
19) Chrysene	21.44	228	2942	0.10	ng/ul	98
21) Benzo(b)fluoranthene	23.00	252	2781	0.09	ng/ul	84
22) Benzo(k)fluoranthene	23.04	252	2807	0.10	ng/ul#	82
23) Benzo(a)pyrene	23.60	252	2636	0.10	ng/ul#	74
24) Indeno(1,2,3-cd)pyrene	26.03	276	2912	0.09	ng/ul	99
25) Dibenzo(a,h)anthracene	26.06	278	2297	0.09	ng/ul#	75
26) Benzo(g,h,i)perylene	26.74	276	2584	0.09	ng/ul#	86

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

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Misc : MDL-SOIL-0.15PPM-SIM
ALS Vial : 34 Sample Multiplier: 1

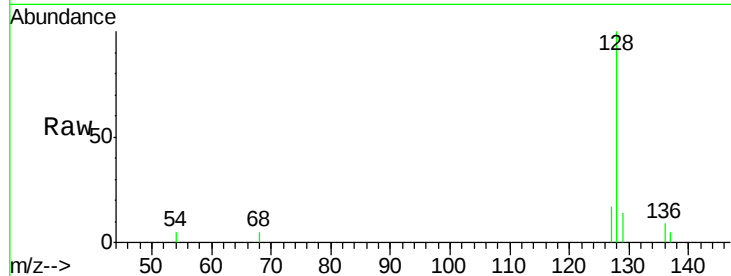
Quant Time: Jan 09 01:00:52 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-SIM-BM010715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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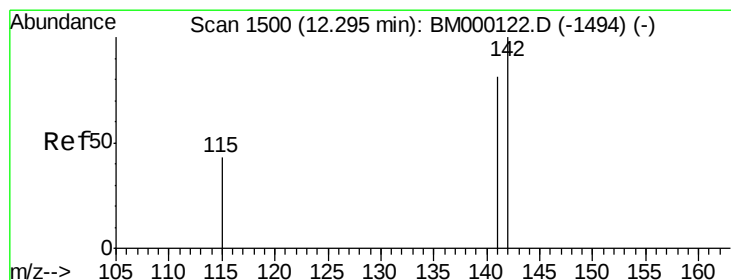
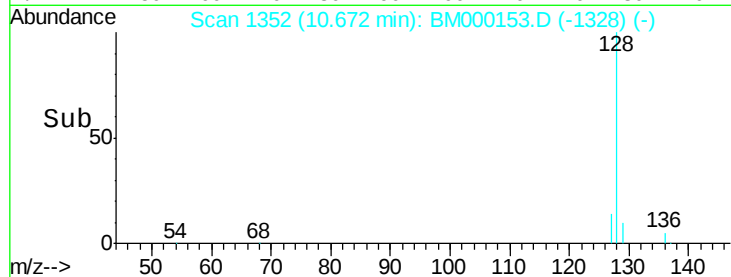
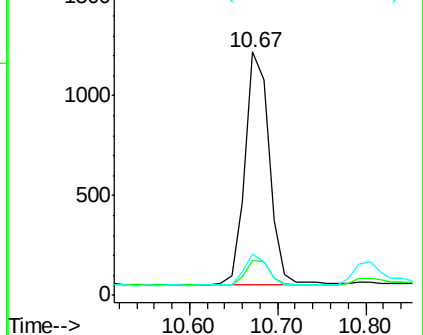


#3
Naphthalene
Concen: 0.10 ng/ul
RT: 10.67 min Scan# 1352
Delta R.T. -0.01 min
Lab File: BM000153.D
Acq: 08 Jan 2015 22:03

Tgt Ion:128 Resp: 2236
Ion Ratio Lower Upper
128 100
129 14.1 9.5 14.3
127 17.1 10.4 15.6#

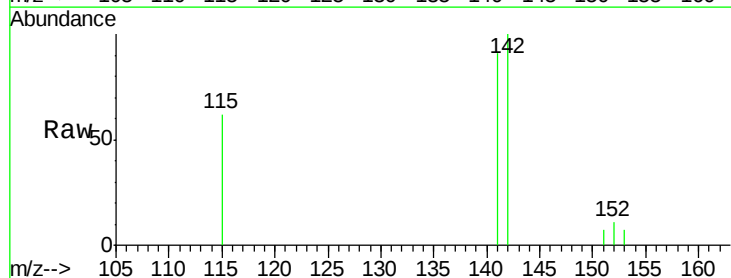


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

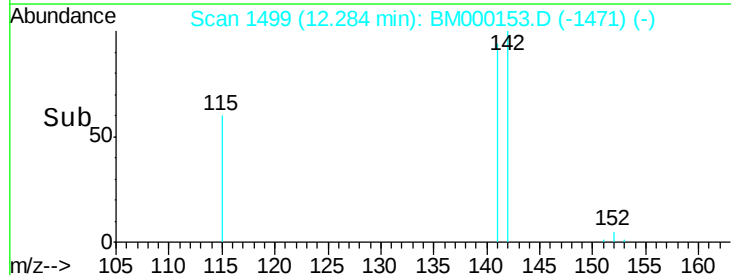
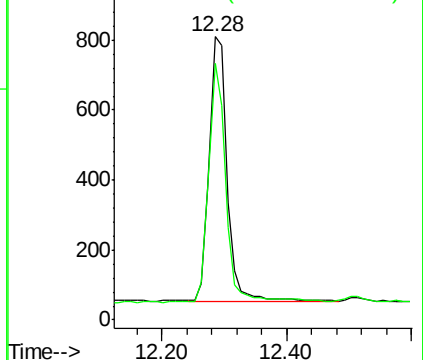


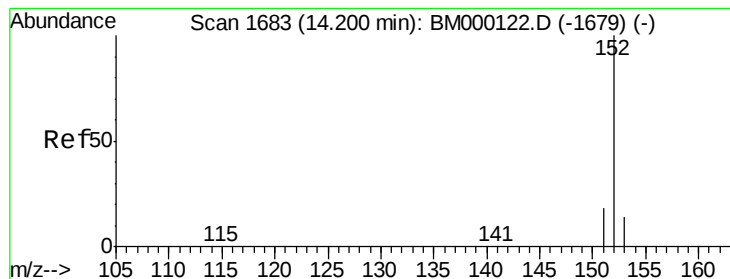
#5
2-Methylnaphthalene
Concen: 0.10 ng/ul
RT: 12.28 min Scan# 1499
Delta R.T. -0.01 min
Lab File: BM000153.D
Acq: 08 Jan 2015 22:03

Tgt Ion:142 Resp: 1463
Ion Ratio Lower Upper
142 100
141 87.4 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

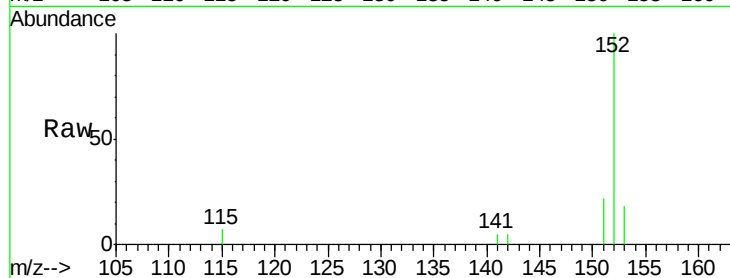
RT: 14.20 min Scan# 1683

Delta R.T. -0.00 min

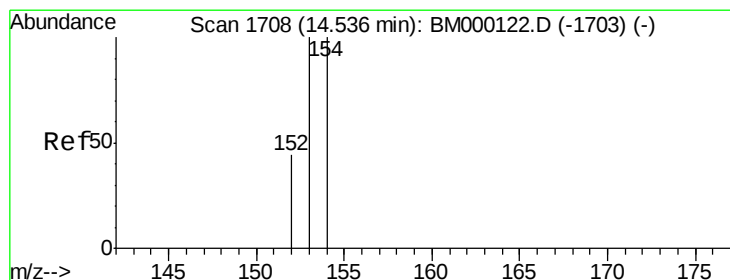
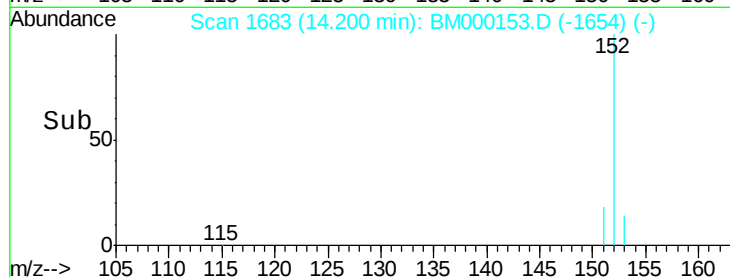
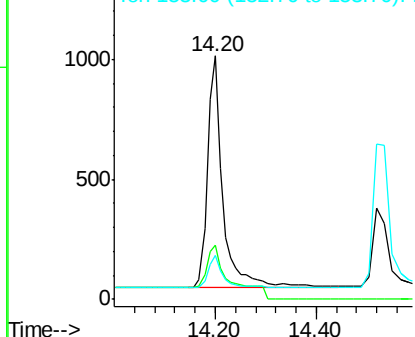
Lab File: BM000153.D

Acq: 08 Jan 2015 22:03

Tgt Ion:	152	Resp:	2391
Ion	Ratio	Lower	Upper
152	100		
151	22.2	15.4	23.2
153	17.9	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

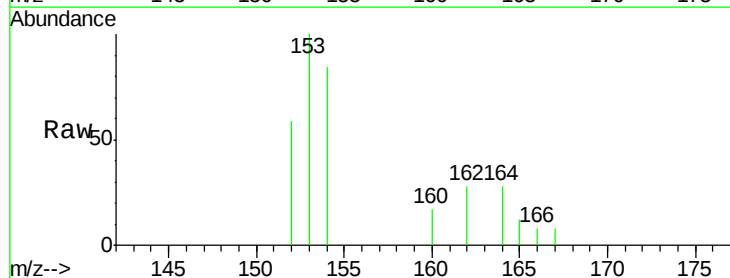
RT: 14.52 min Scan# 1707

Delta R.T. -0.02 min

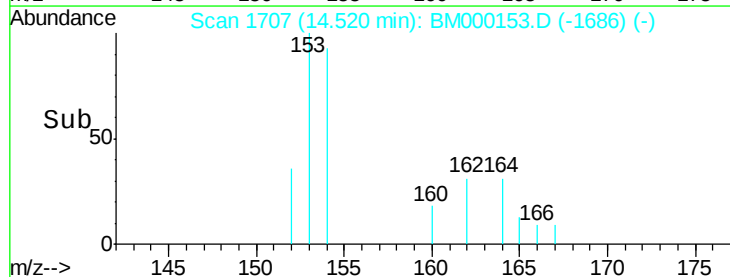
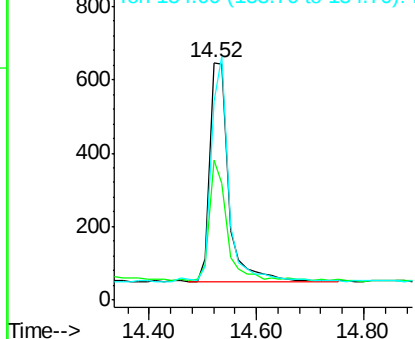
Lab File: BM000153.D

Acq: 08 Jan 2015 22:03

Tgt Ion:	153	Resp:	1491
Ion	Ratio	Lower	Upper
153	100		
152	59.1	35.8	53.6#
154	83.9	79.9	119.9



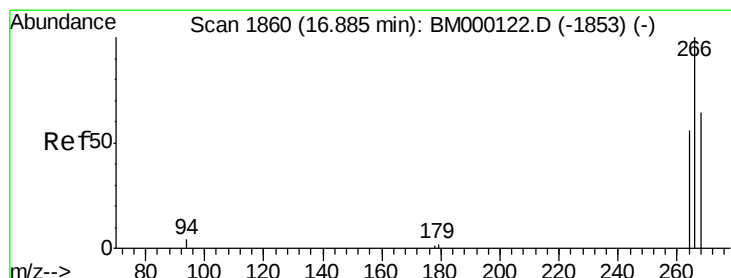
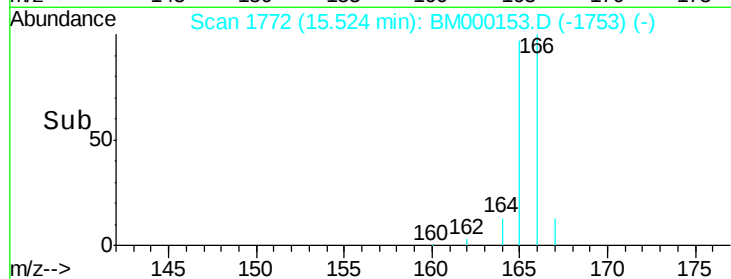
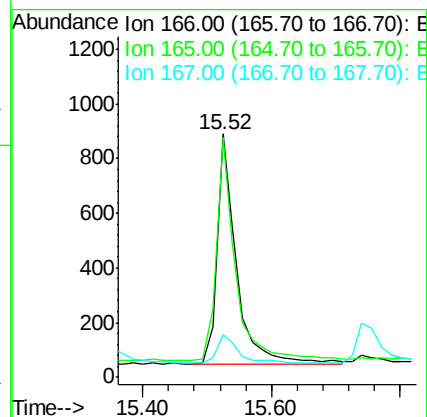
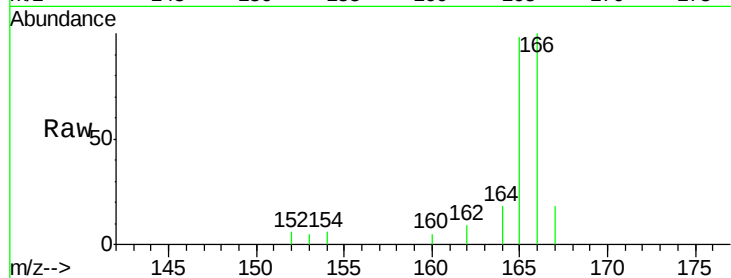
Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E





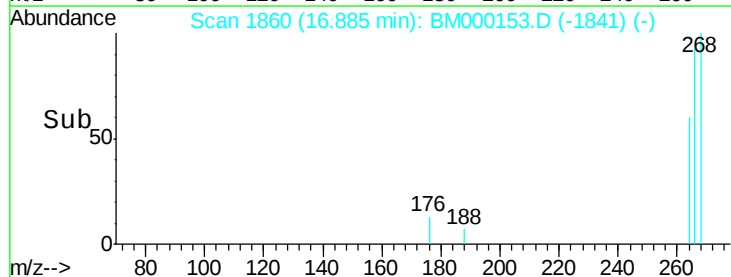
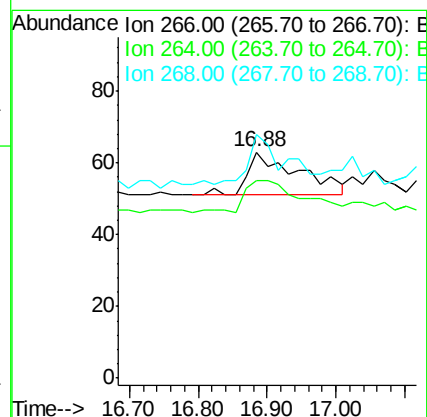
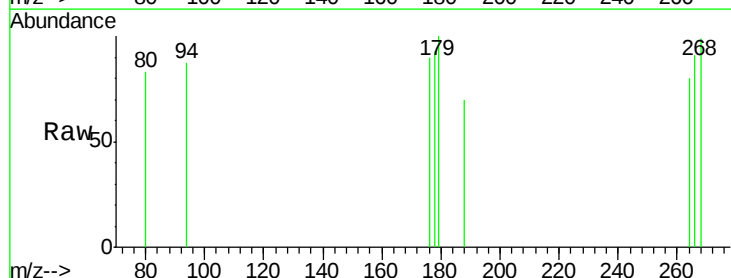
#9
Fluorene
 Concen: 0.10 ng/ul
 RT: 15.52 min Scan# 1772
 Delta R.T. -0.00 min
 Lab File: BM000153.D
 Acq: 08 Jan 2015 22:03

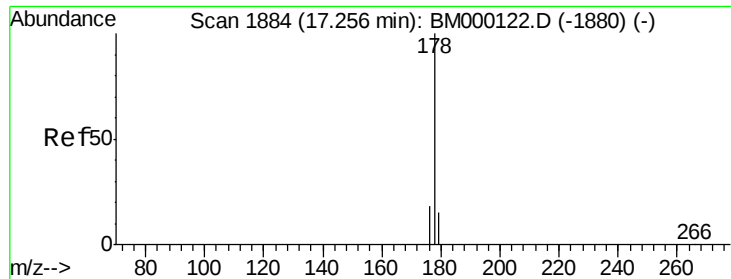
Tgt Ion:166 Resp: 1759
 Ion Ratio Lower Upper
 166 100
 165 98.4 77.0 115.4
 167 17.6 11.0 16.6#



#11
Pentachlorophenol
 Concen: 0.04 ng/ul
 RT: 16.88 min Scan# 1860
 Delta R.T. -0.00 min
 Lab File: BM000153.D
 Acq: 08 Jan 2015 22:03

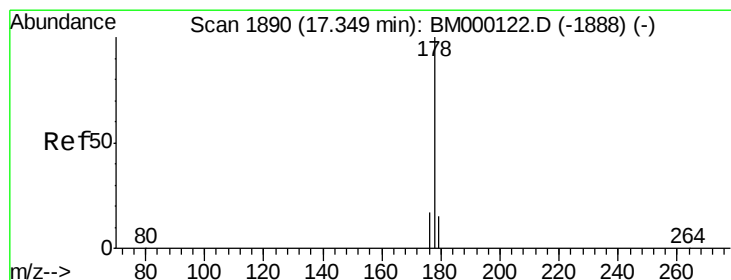
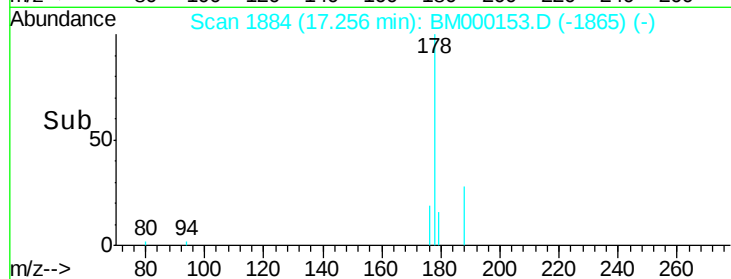
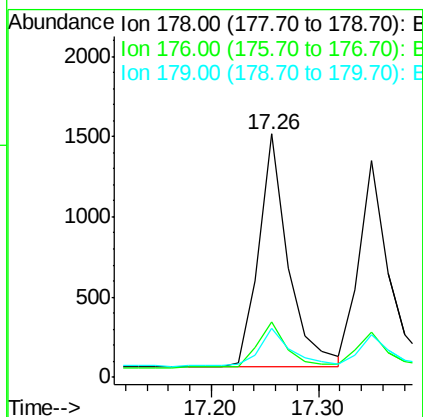
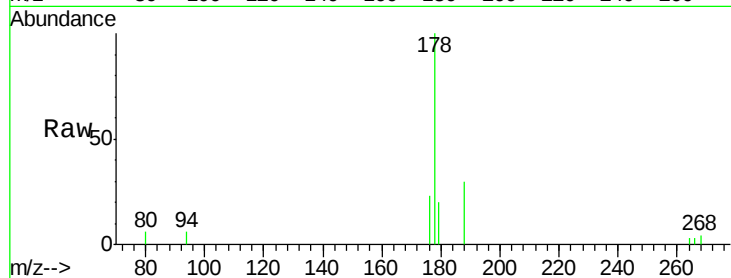
Tgt Ion:266 Resp: 62
 Ion Ratio Lower Upper
 266 100
 264 87.1 53.9 80.9#
 268 93.5 49.2 73.8#





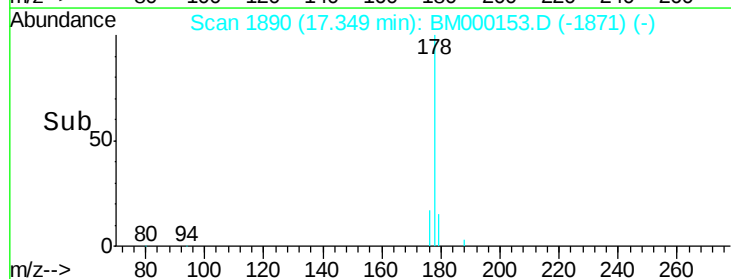
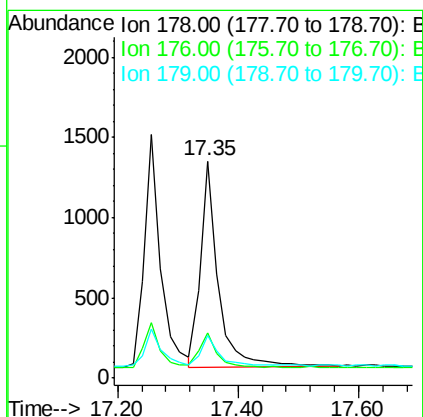
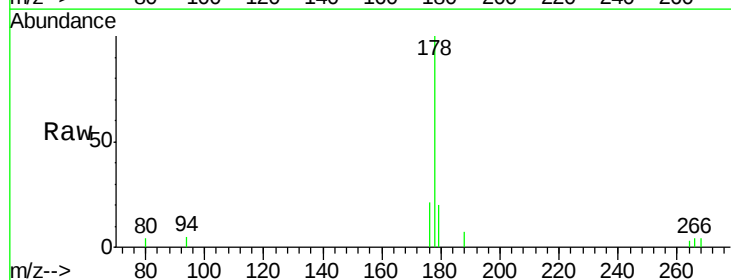
#12
Phenanthrene
Concen: 0.09 ng/ul
RT: 17.26 min Scan# 1884
Delta R.T. -0.00 min
Lab File: BM000153.D
Acq: 08 Jan 2015 22:03

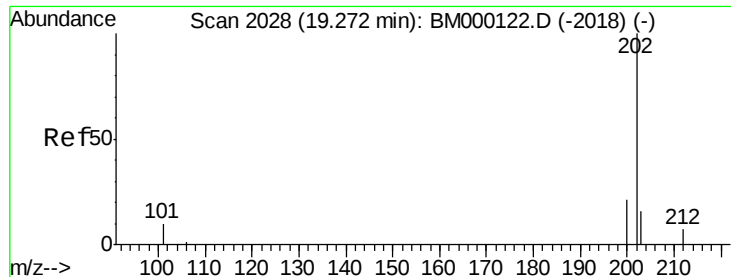
Tgt Ion:178 Resp: 2780
Ion Ratio Lower Upper
178 100
176 22.5 15.1 22.7
179 20.0 13.0 19.4#



#13
Anthracene
Concen: 0.09 ng/ul
RT: 17.35 min Scan# 1890
Delta R.T. -0.00 min
Lab File: BM000153.D
Acq: 08 Jan 2015 22:03

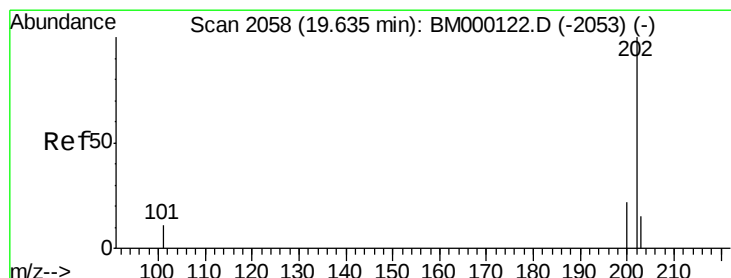
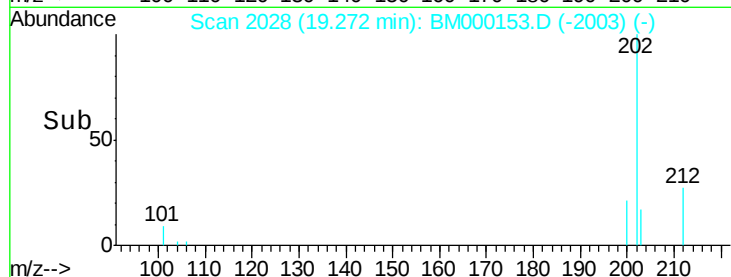
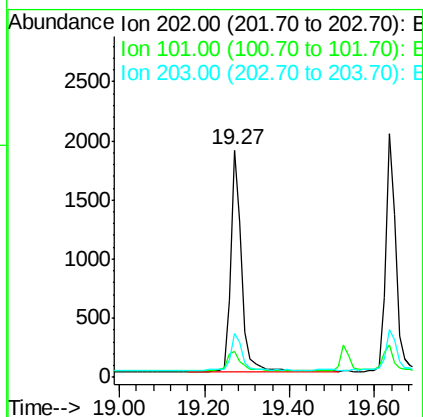
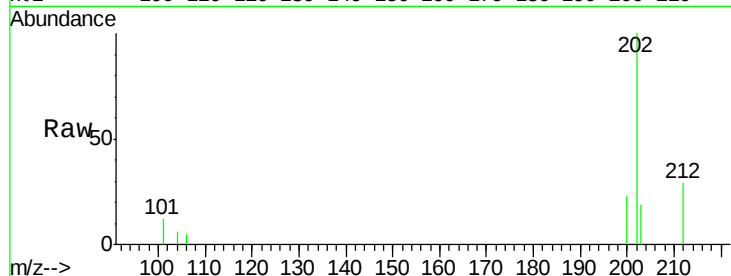
Tgt Ion:178 Resp: 2630
Ion Ratio Lower Upper
178 100
176 21.0 14.6 21.8
179 19.7 13.1 19.7#





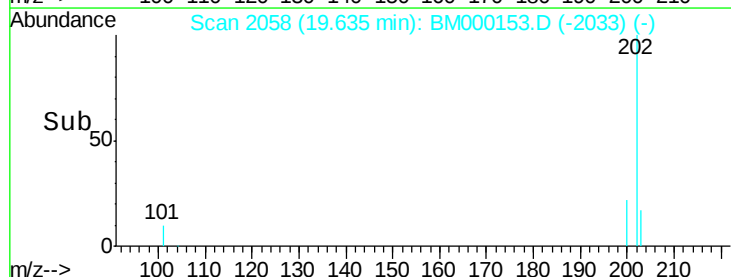
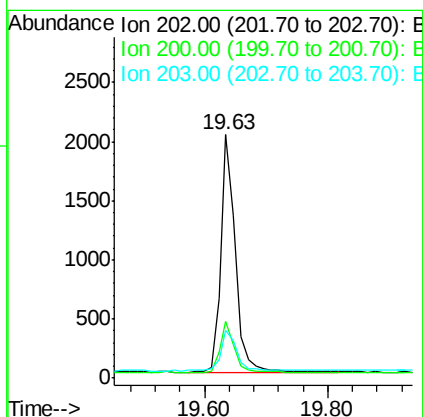
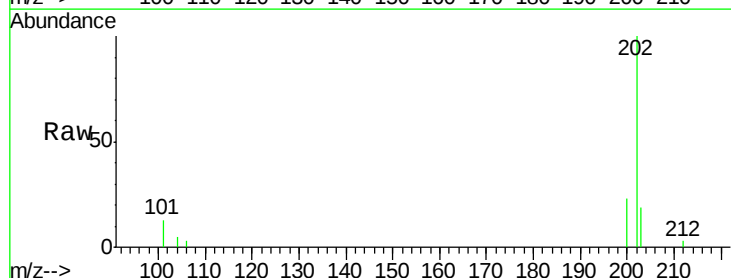
#15
Fluoranthene
 Concen: 0.10 ng/ul
 RT: 19.27 min Scan# 2028
 Delta R.T. -0.00 min
 Lab File: BM000153.D
 Acq: 08 Jan 2015 22:03

Tgt Ion:202 Resp: 3258
 Ion Ratio Lower Upper
 202 100
 101 11.5 0.0 30.5
 203 19.4 0.0 36.6



#17
Pyrene
 Concen: 0.10 ng/ul
 RT: 19.63 min Scan# 2058
 Delta R.T. -0.00 min
 Lab File: BM000153.D
 Acq: 08 Jan 2015 22:03

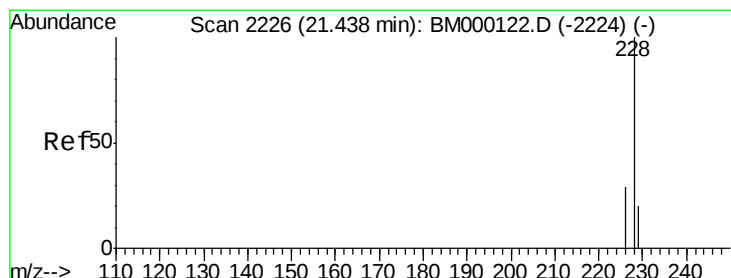
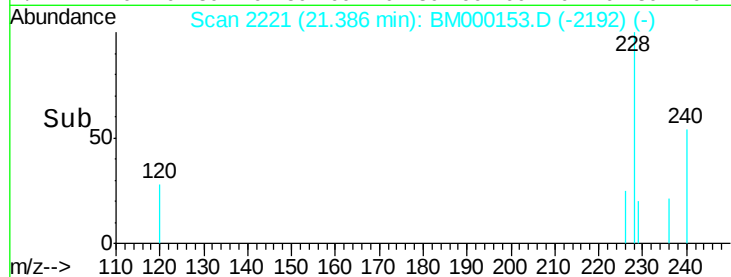
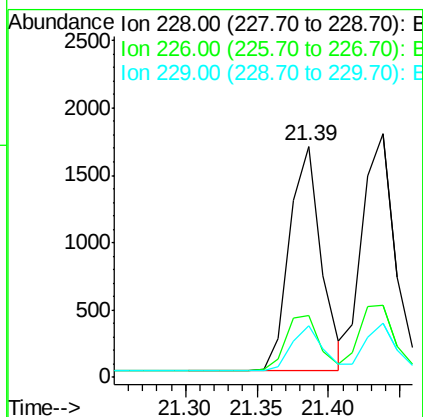
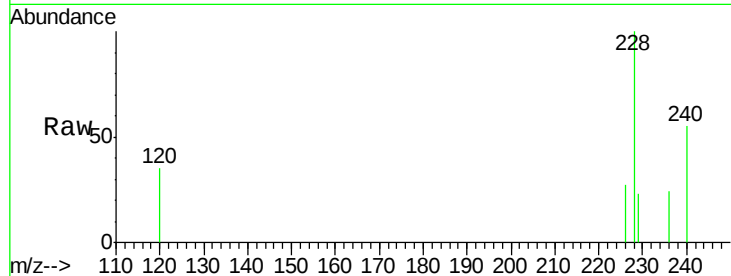
Tgt Ion:202 Resp: 3330
 Ion Ratio Lower Upper
 202 100
 200 23.4 17.9 26.9
 203 19.4 12.8 19.2#





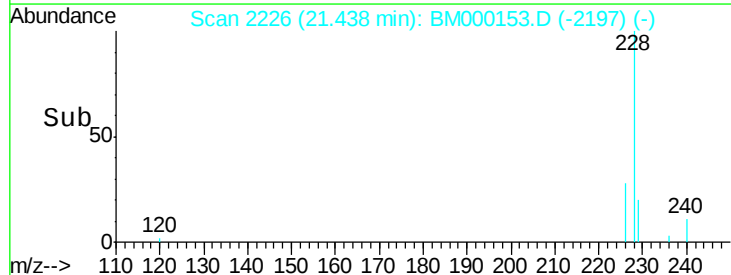
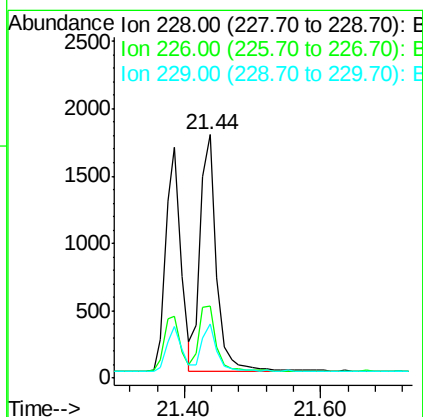
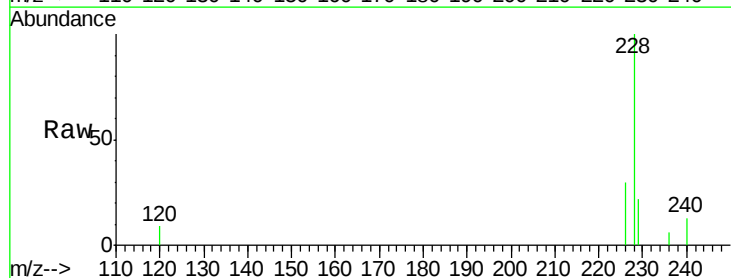
#18
Benzo(a)anthracene
Concen: 0.09 ng/ul
RT: 21.39 min Scan# 2221
Delta R.T. -0.00 min
Lab File: BM000153.D
Acq: 08 Jan 2015 22:03

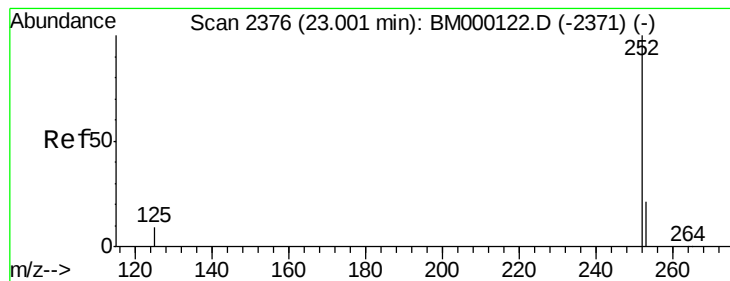
Tgt Ion:228 Resp: 2576
Ion Ratio Lower Upper
228 100
226 26.9 20.8 31.2
229 22.5 15.5 23.3



#19
Chrysene
Concen: 0.10 ng/ul
RT: 21.44 min Scan# 2226
Delta R.T. -0.00 min
Lab File: BM000153.D
Acq: 08 Jan 2015 22:03

Tgt Ion:228 Resp: 2942
Ion Ratio Lower Upper
228 100
226 29.7 23.8 35.6
229 22.2 15.8 23.8





#21

Benzo(b)fluoranthene

Concen: 0.09 ng/u1

RT: 23.00 min Scan# 2376

Delta R.T. -0.00 min

Lab File: BM000153.D

Acq: 08 Jan 2015 22:03

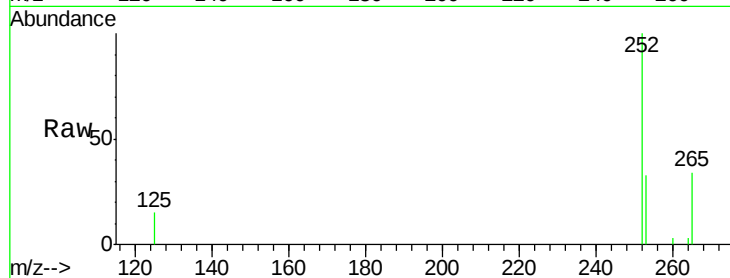
Tgt Ion:252 Resp: 2781

Ion Ratio Lower Upper

252 100

253 33.0 0.0 48.2

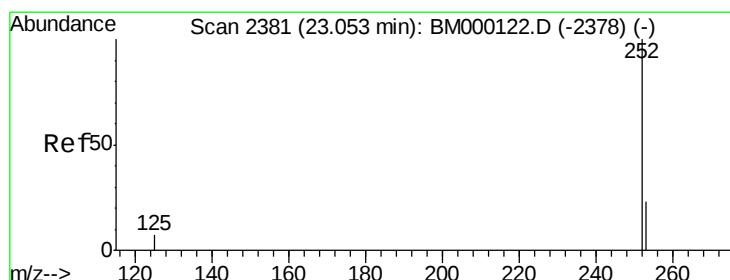
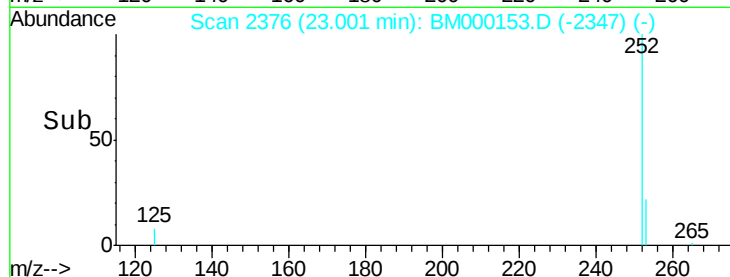
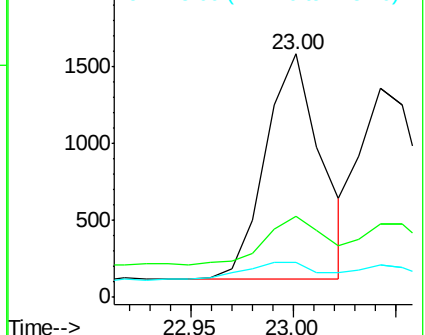
125 14.5 0.0 21.6



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: BM000153.D

Acq: 08 Jan 2015 22:03

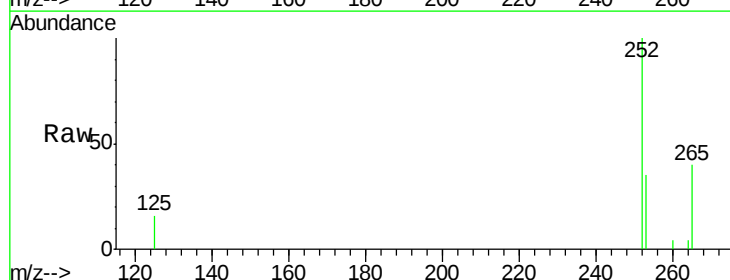
Tgt Ion:252 Resp: 2807

Ion Ratio Lower Upper

252 100

253 35.1 20.5 30.7#

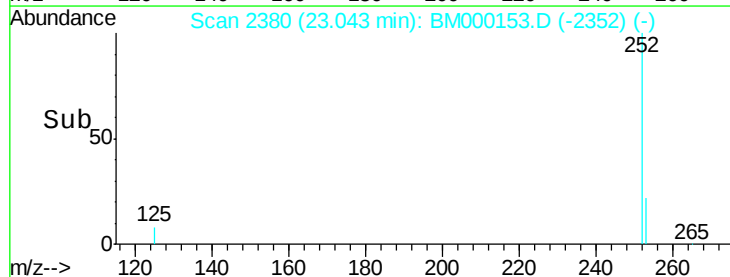
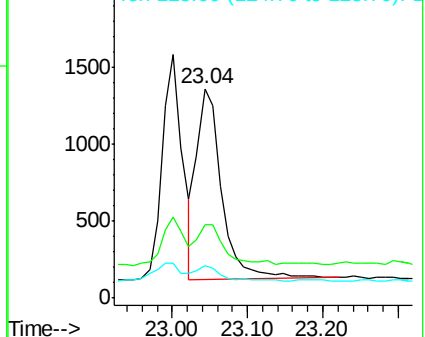
125 15.7 7.8 11.8#



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: BM000153.D

Acq: 08 Jan 2015 22:03

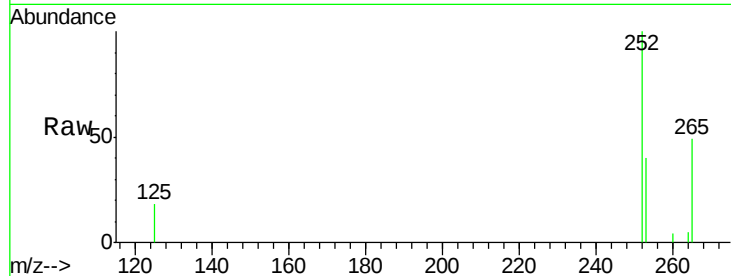
Tgt Ion: 252 Resp: 2636

Ion Ratio Lower Upper

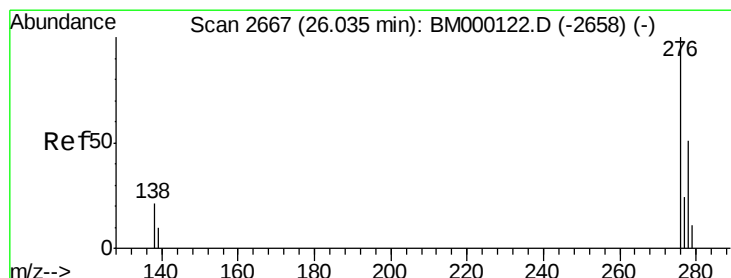
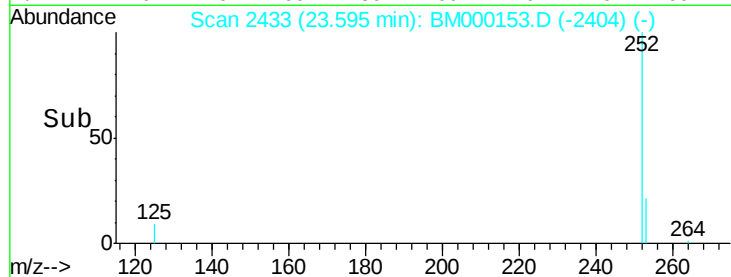
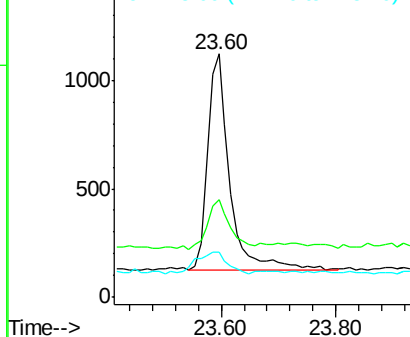
252 100

253 39.9 19.8 29.6#

125 18.4 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: 26.03 min Scan# 2667

Delta R.T. -0.00 min

Lab File: BM000153.D

Acq: 08 Jan 2015 22:03

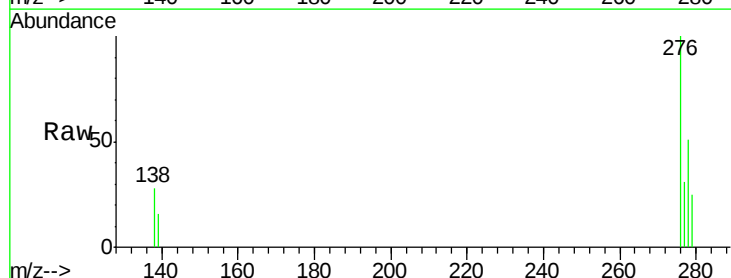
Tgt Ion: 276 Resp: 2912

Ion Ratio Lower Upper

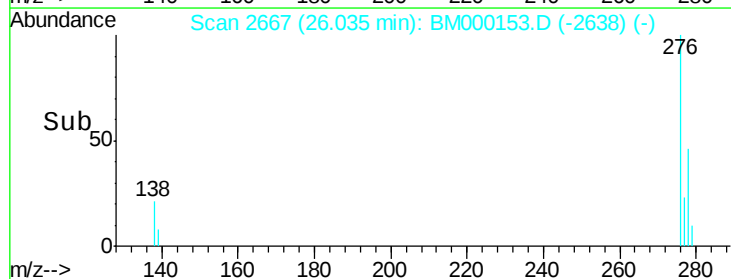
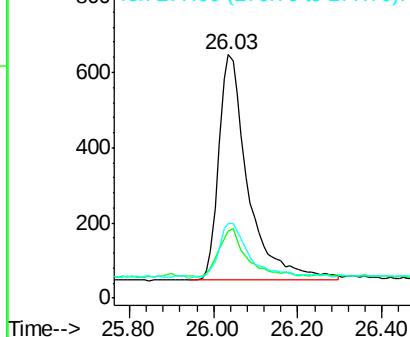
276 100

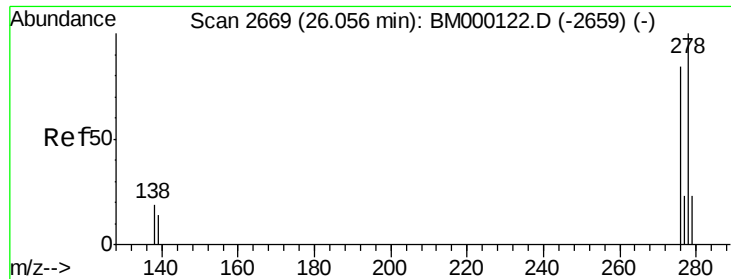
138 20.7 17.6 26.4

277 24.9 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

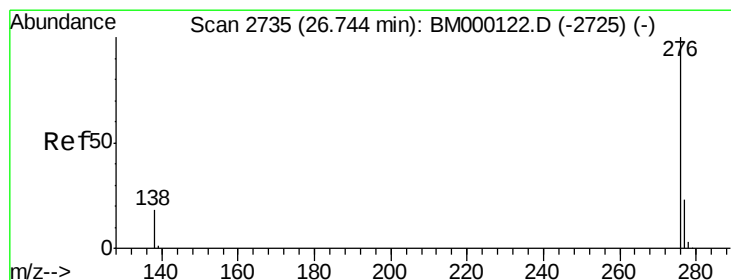
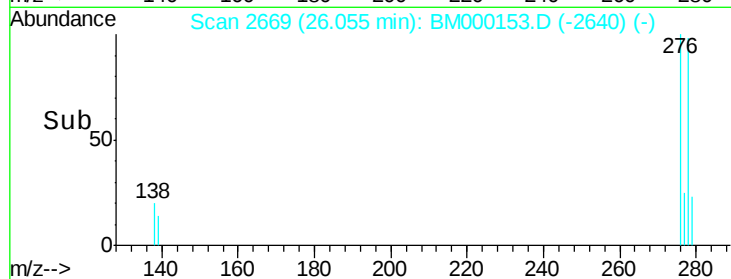
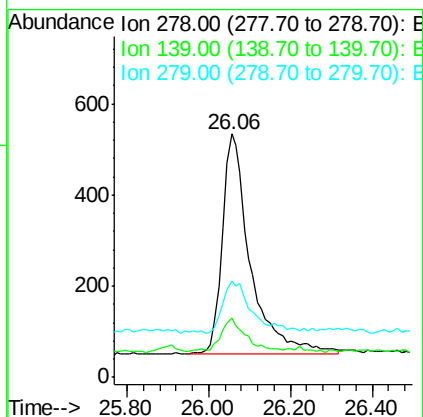
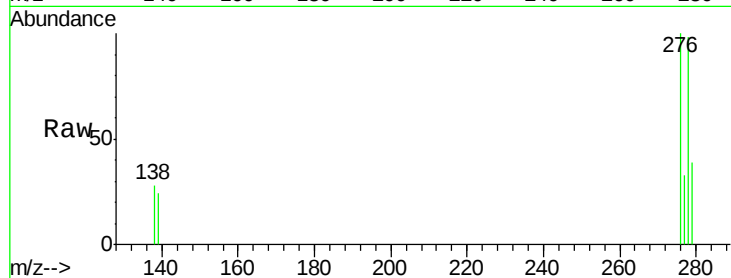




#25
Dibenzo(a,h)anthracene
Concen: 0.09 ng/ul
RT: 26.06 min Scan# 2669
Delta R.T. -0.00 min
Lab File: BM000153.D
Acq: 08 Jan 2015 22:03

Tgt Ion: 278 Resp: 2297

Ion	Ratio	Lower	Upper
278	100		
139	24.2	12.6	18.8#
279	39.7	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: BM000153.D
Acq: 08 Jan 2015 22:03

Tgt Ion: 276 Resp: 2584

Ion	Ratio	Lower	Upper
276	100		
277	32.6	20.0	30.0#
138	25.3	15.7	23.5#

