

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM010915\
 Data File : BM000157.D
 Acq On : 09 Jan 2015 14:18
 Operator : TP/IZ
 Sample : MDL-02-S
 Misc : MDL-SOIL-0.15PPM-SIM
 ALS Vial : 35 Sample Multiplier: 1

Quant Time: Jan 09 22:10:52 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	2842	0.40	ng/ul	0.00
2) Naphthalene-d8	10.62	136	9438	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.47	164	5857	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.21	188	11073	0.40	ng/ul	0.00
16) Chrysene-d12	21.41	240	9627	0.40	ng/ul	0.00
20) Perylene-d12	23.70	264	8800	0.40	ng/ul	0.00

System Monitoring Compounds

4) 2-Methylnaphthalene-d10	12.21	152	4853	0.39	ng/ul	-0.01
14) Fluoranthene-d10	19.25	212	8181	0.34	ng/ul	0.00

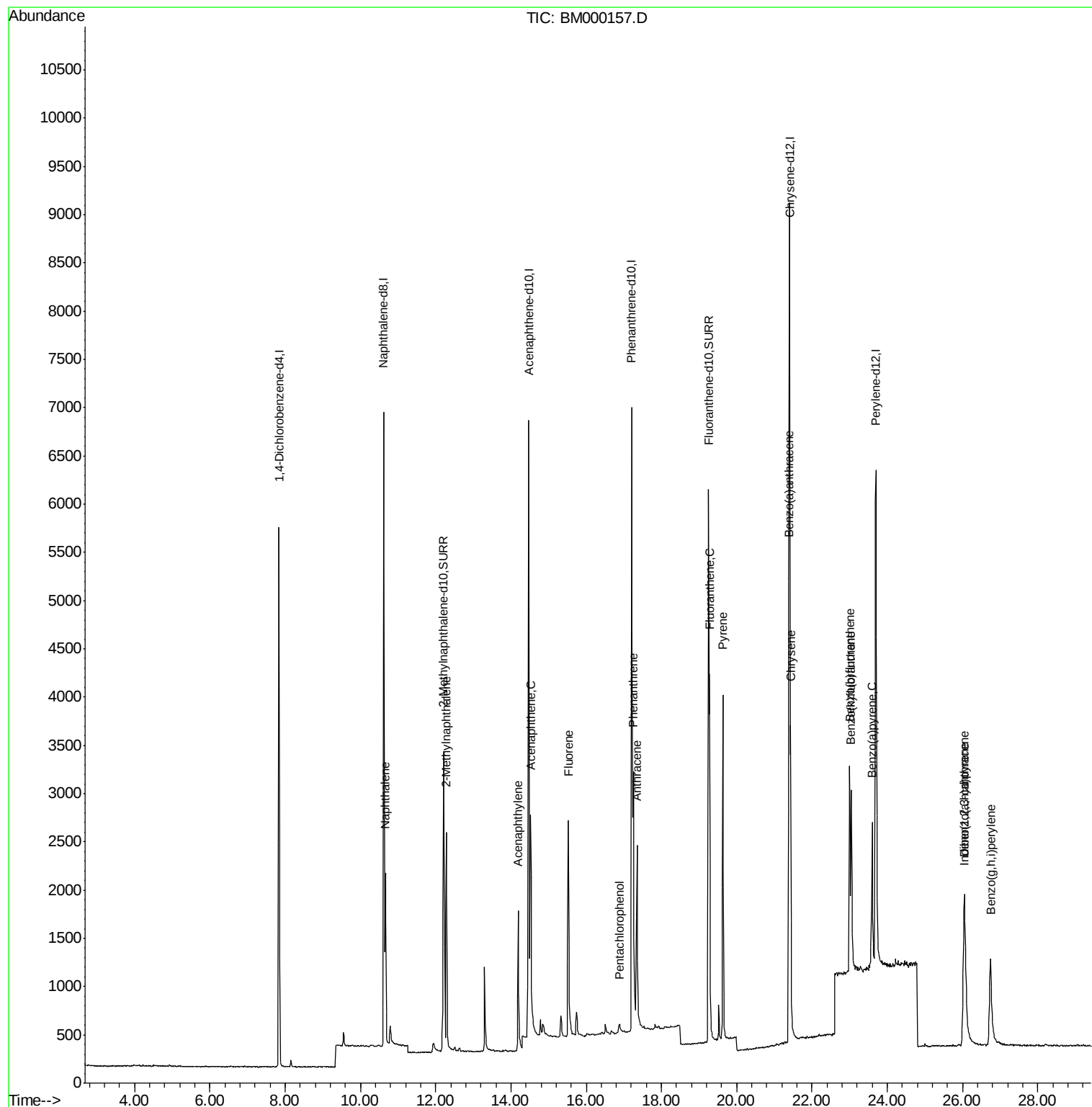
Target Compounds

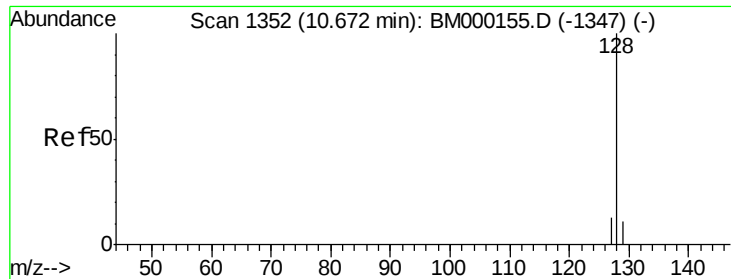
						Qvalue
3) Naphthalene	10.67	128	2547	0.10	ng/ul#	95
5) 2-Methylnaphthalene	12.28	142	1629	0.10	ng/ul	99
7) Acenaphthylene	14.19	152	2540	0.09	ng/ul#	93
8) Acenaphthene	14.52	153	1737	0.10	ng/ul#	83
9) Fluorene	15.52	166	2014	0.10	ng/ul#	98
11) Pentachlorophenol	16.88	266	151	0.09	ng/ul#	77
12) Phenanthrene	17.26	178	3136	0.09	ng/ul#	94
13) Anthracene	17.35	178	3020	0.09	ng/ul#	93
15) Fluoranthene	19.27	202	3697	0.10	ng/ul	96
17) Pyrene	19.63	202	3826	0.10	ng/ul	96
18) Benzo(a)anthracene	21.39	228	2944	0.09	ng/ul	97
19) Chrysene	21.44	228	3330	0.10	ng/ul	97
21) Benzo(b)fluoranthene	23.00	252	3151	0.09	ng/ul	82
22) Benzo(k)fluoranthene	23.04	252	3295	0.10	ng/ul#	83
23) Benzo(a)pyrene	23.60	252	2878	0.09	ng/ul#	76
24) Indeno(1,2,3-cd)pyrene	26.03	276	3276	0.09	ng/ul	96
25) Dibenzo(a,h)anthracene	26.06	278	2571	0.09	ng/ul#	77
26) Benzo(g,h,i)perylene	26.74	276	2956	0.09	ng/ul#	91

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

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#3

Naphthalene

Concen: 0.10 ng/ul

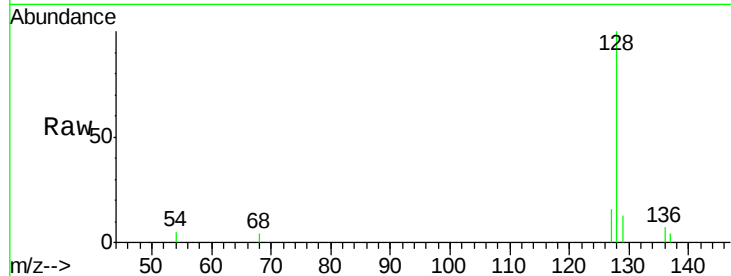
RT: 10.67 min Scan# 1352

Delta R.T. -0.01 min

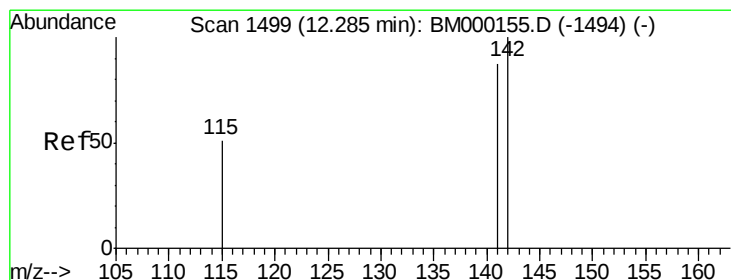
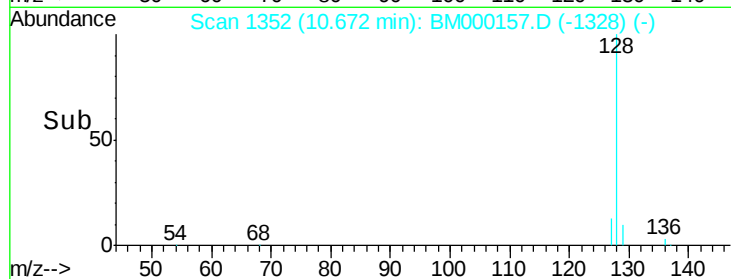
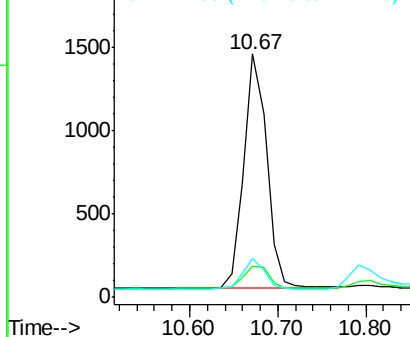
Lab File: BM000157.D

Acq: 09 Jan 2015 14:18

Tgt Ion:	128	Resp:	2547
Ion	Ratio	Lower	Upper
128	100		
129	13.0	9.5	14.3
127	16.1	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

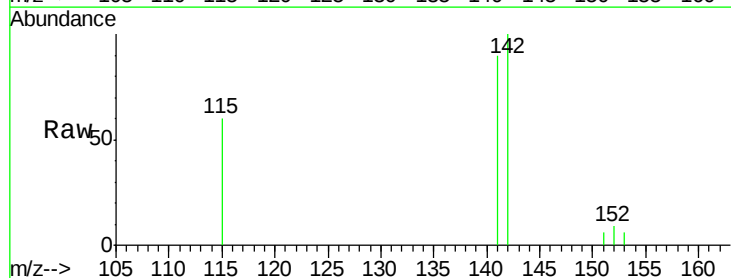
RT: 12.28 min Scan# 1499

Delta R.T. -0.01 min

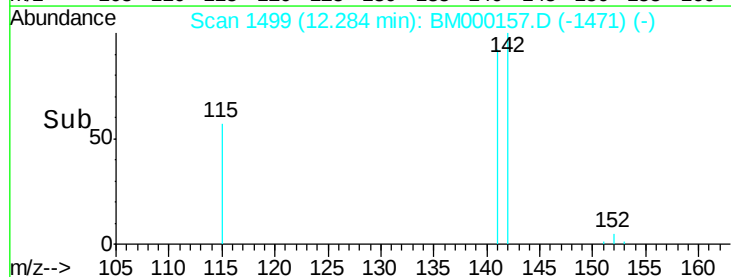
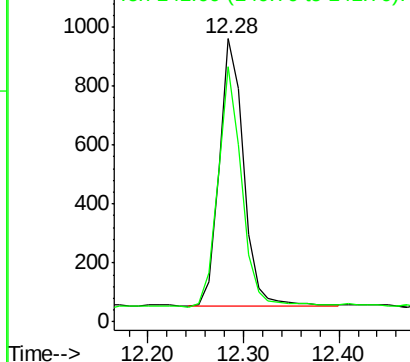
Lab File: BM000157.D

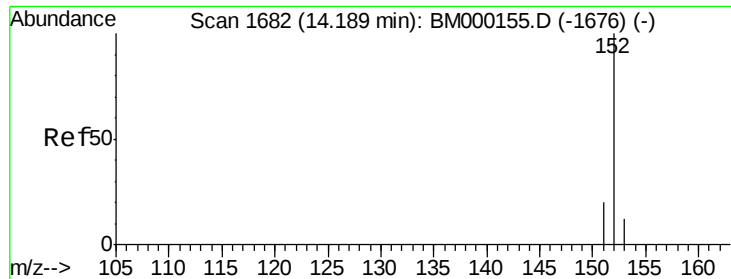
Acq: 09 Jan 2015 14:18

Tgt Ion:	142	Resp:	1629
Ion	Ratio	Lower	Upper
142	100		
141	86.8	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

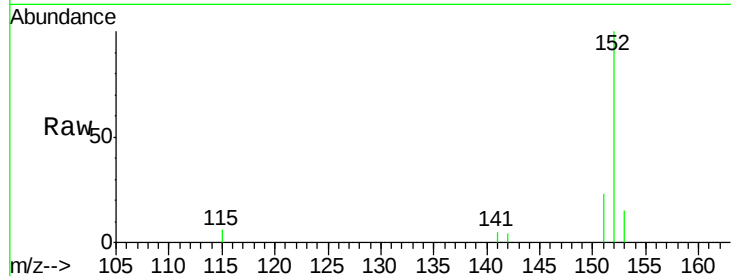
RT: 14.19 min Scan# 1682

Delta R.T. -0.01 min

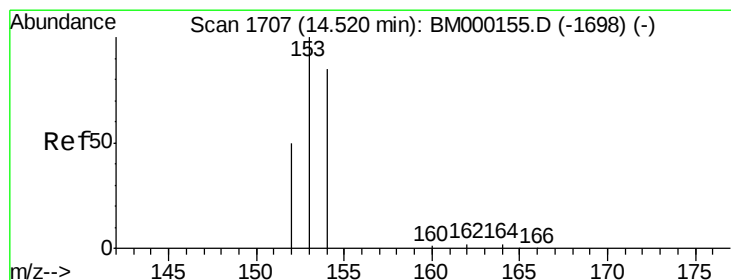
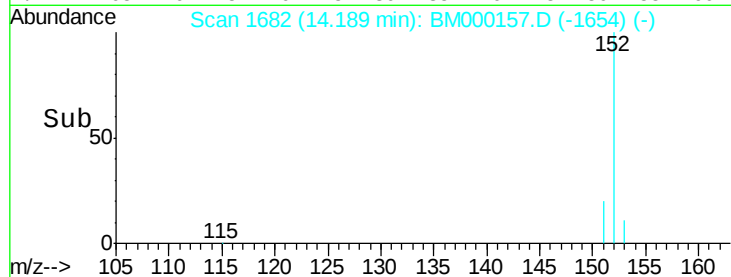
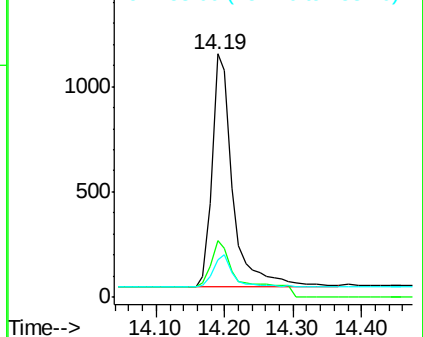
Lab File: BM000157.D

Acq: 09 Jan 2015 14:18

Tgt Ion:	152	Resp:	2540
Ion	Ratio	Lower	Upper
152	100		
151	23.5	15.4	23.2#
153	15.3	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: 0.10 ng/ul

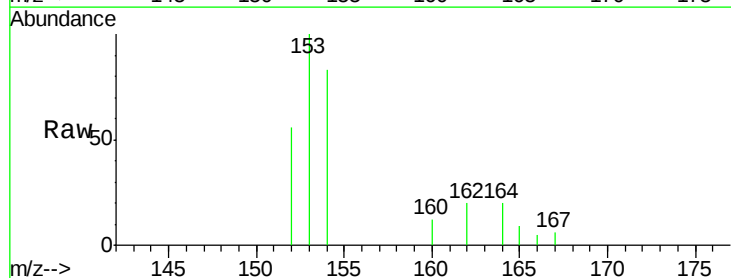
RT: 14.52 min Scan# 1707

Delta R.T. -0.02 min

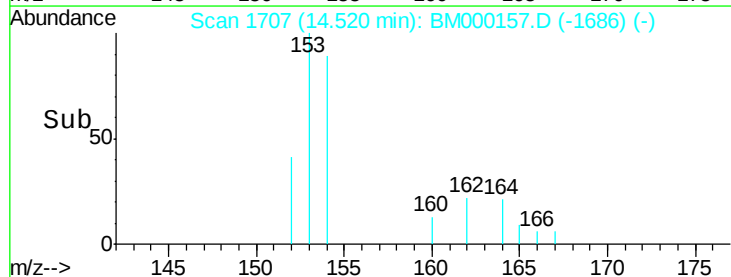
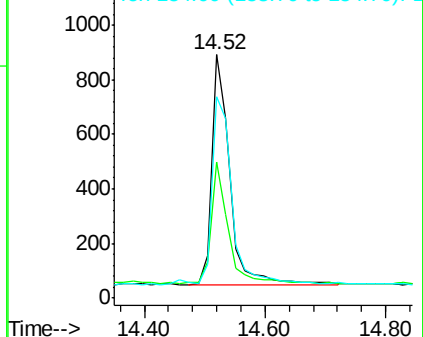
Lab File: BM000157.D

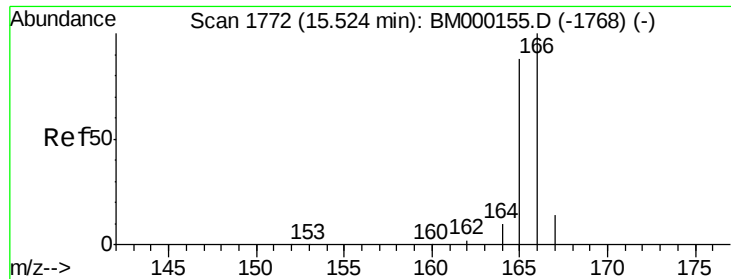
Acq: 09 Jan 2015 14:18

Tgt Ion:	153	Resp:	1737
Ion	Ratio	Lower	Upper
153	100		
152	56.1	35.8	53.6#
154	82.8	79.9	119.9



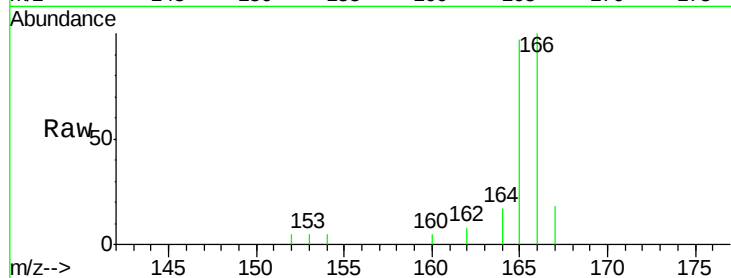
Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E



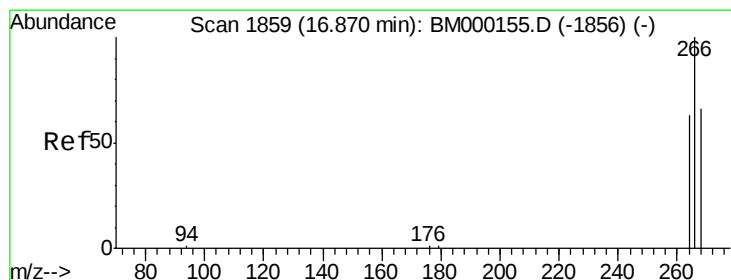
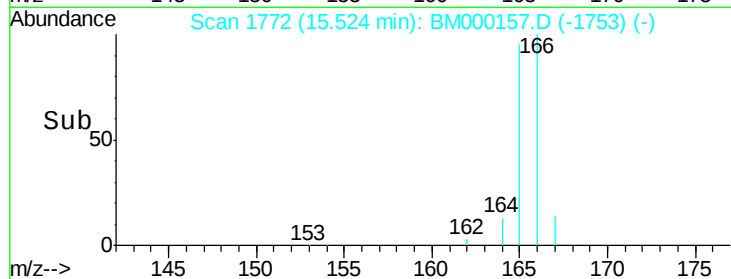
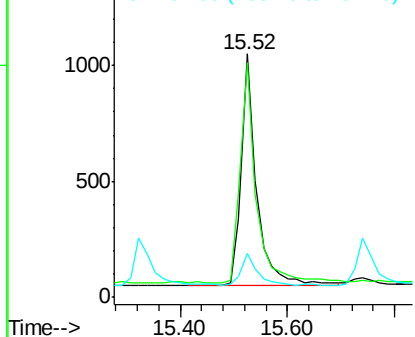


#9
 Fluorene
 Concen: 0.10 ng/ul
 RT: 15.52 min Scan# 1772
 Delta R.T. -0.00 min
 Lab File: BM000157.D
 Acq: 09 Jan 2015 14:18

Tgt Ion:166 Resp: 2014
 Ion Ratio Lower Upper
 166 100
 165 96.6 77.0 115.4
 167 17.9 11.0 16.6#

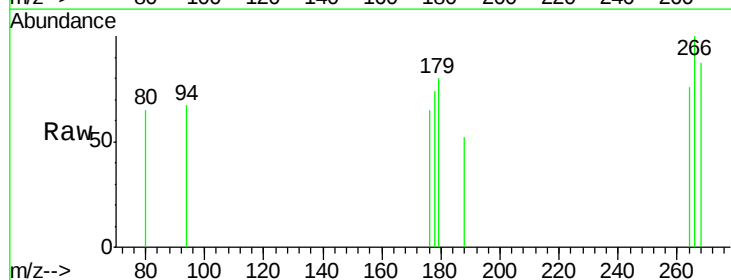


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

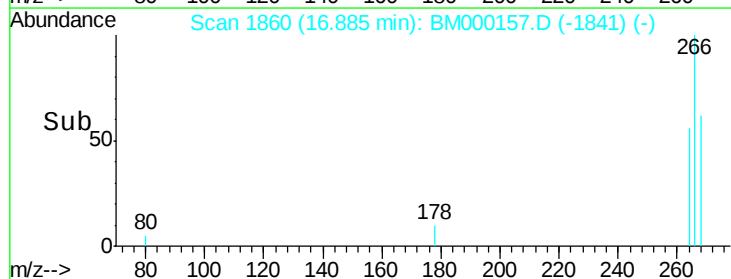
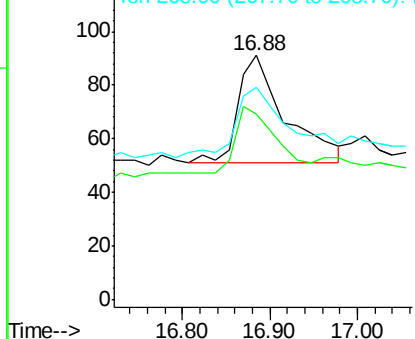


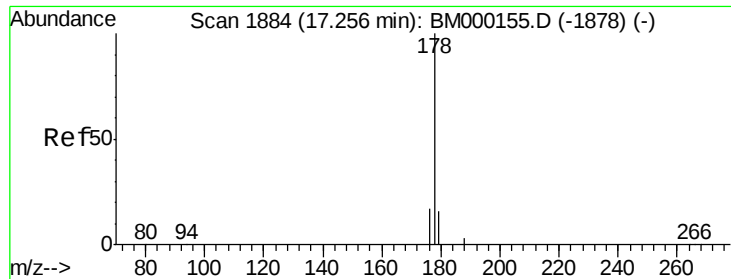
#11
 Pentachlorophenol
 Concen: 0.09 ng/ul
 RT: 16.88 min Scan# 1860
 Delta R.T. -0.00 min
 Lab File: BM000157.D
 Acq: 09 Jan 2015 14:18

Tgt Ion:266 Resp: 151
 Ion Ratio Lower Upper
 266 100
 264 61.6 53.9 80.9
 268 92.7 49.2 73.8#



Abundance Ion 266.00 (265.70 to 266.70): E
 Ion 264.00 (263.70 to 264.70): E
 Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.09 ng/ul

RT: 17.26 min Scan# 1884

Delta R.T. -0.00 min

Lab File: BM000157.D

Acq: 09 Jan 2015 14:18

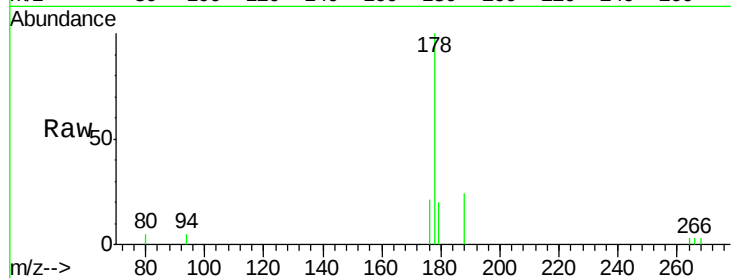
Tgt Ion:178 Resp: 3136

Ion Ratio Lower Upper

178 100

176 20.7 15.1 22.7

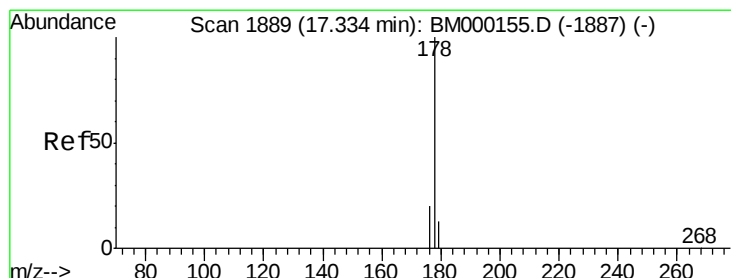
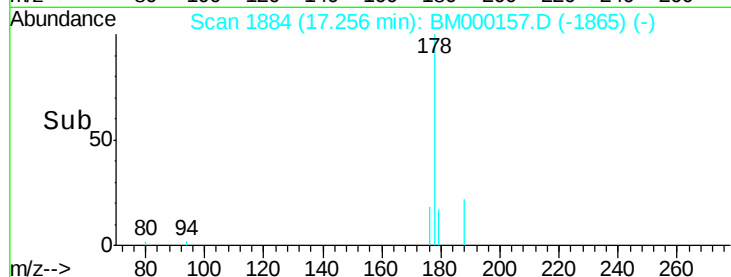
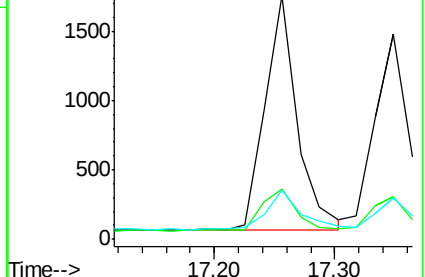
179 20.1 13.0 19.4#



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

RT: 17.35 min Scan# 1890

Delta R.T. -0.00 min

Lab File: BM000157.D

Acq: 09 Jan 2015 14:18

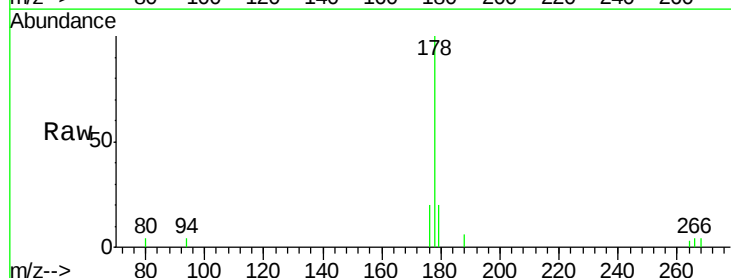
Tgt Ion:178 Resp: 3020

Ion Ratio Lower Upper

178 100

176 20.5 14.6 21.8

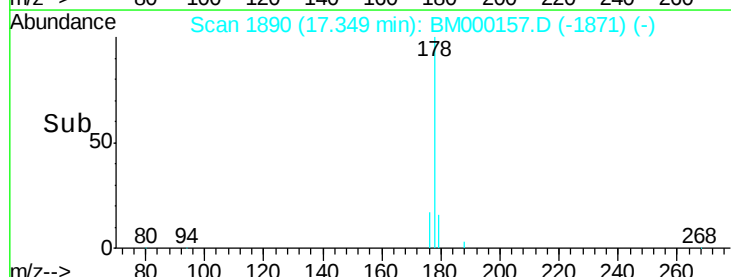
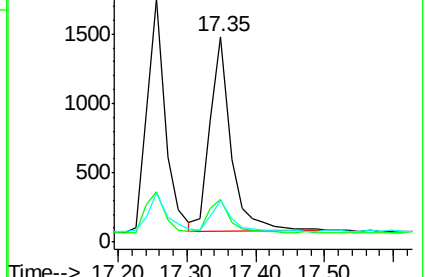
179 20.4 13.1 19.7#

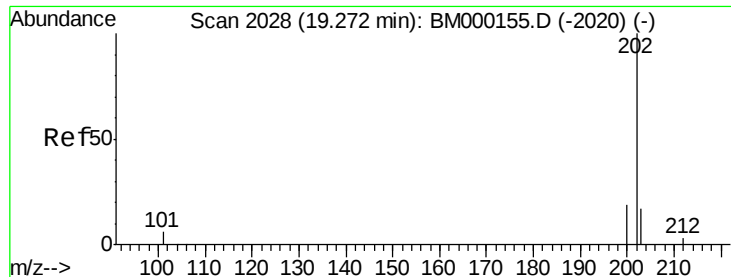


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

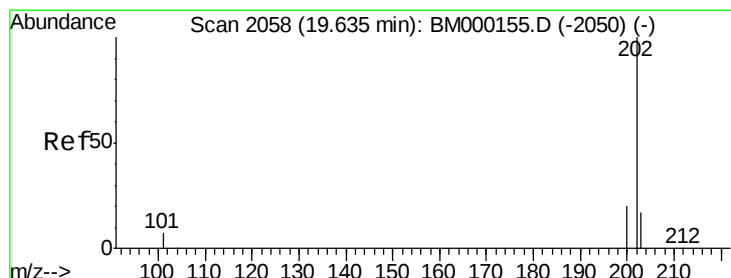
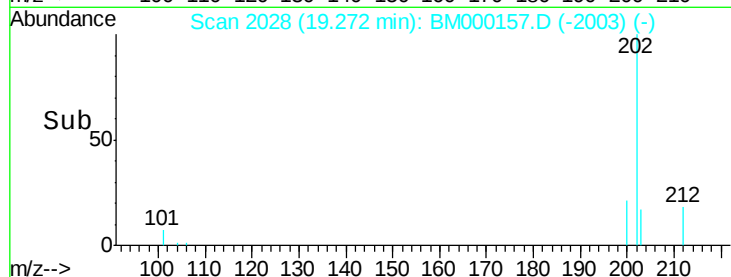
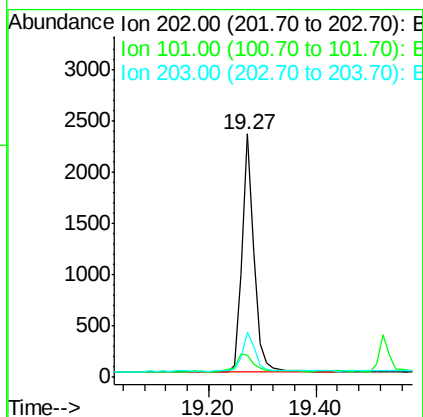
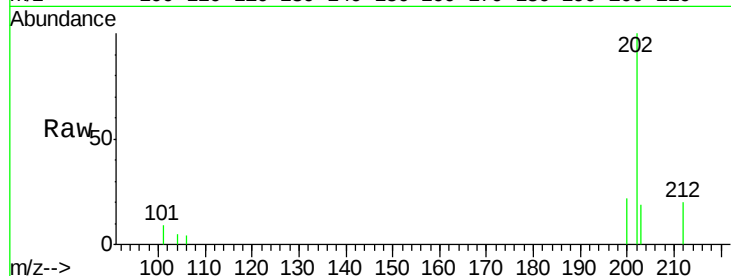
Ion 179.00 (178.70 to 179.70): E





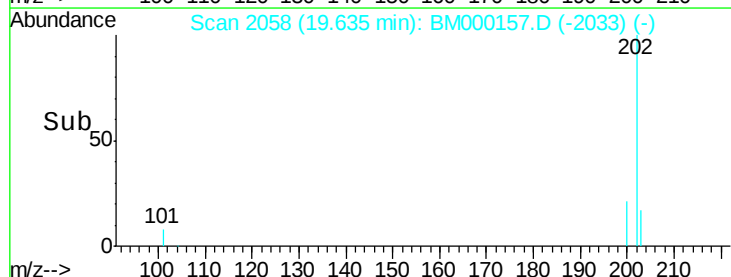
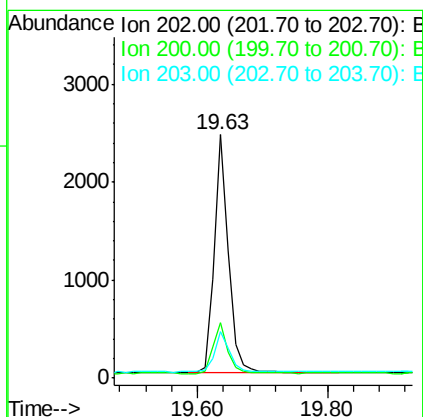
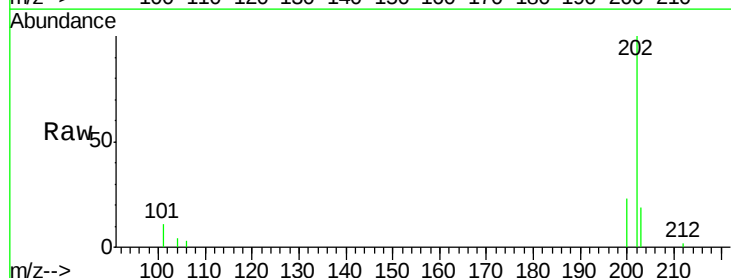
#15
 Fluoranthene
 Concen: 0.10 ng/ul
 RT: 19.27 min Scan# 2028
 Delta R.T. -0.00 min
 Lab File: BM000157.D
 Acq: 09 Jan 2015 14:18

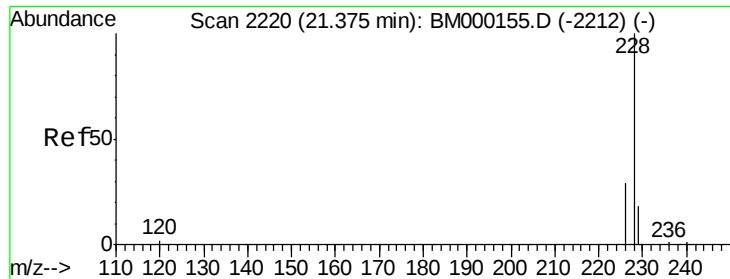
Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.2	0.0	30.5
203	18.7	0.0	36.6



#17
 Pyrene
 Concen: 0.10 ng/ul
 RT: 19.63 min Scan# 2058
 Delta R.T. -0.00 min
 Lab File: BM000157.D
 Acq: 09 Jan 2015 14:18

Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.9	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: BM000157.D

Acq: 09 Jan 2015 14:18

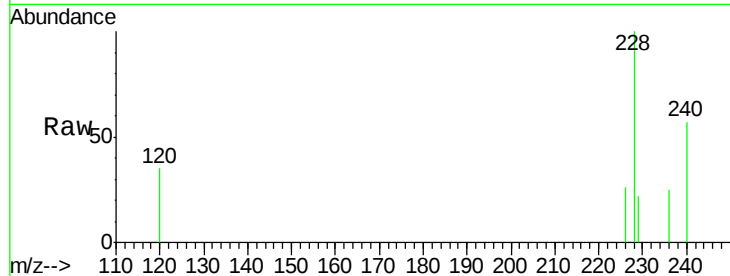
Tgt Ion:228 Resp: 2944

Ion Ratio Lower Upper

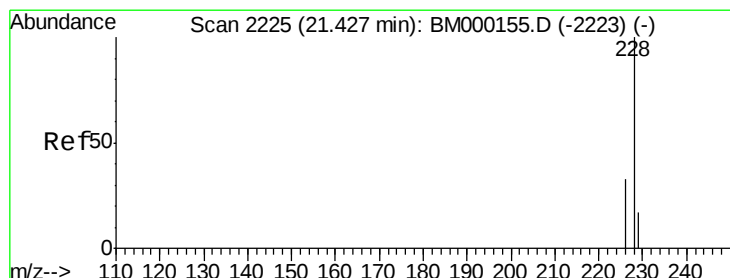
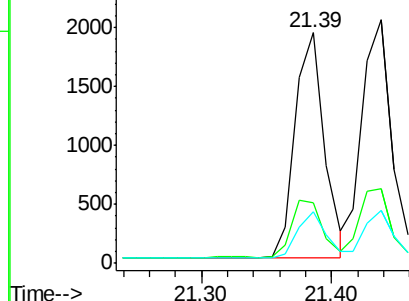
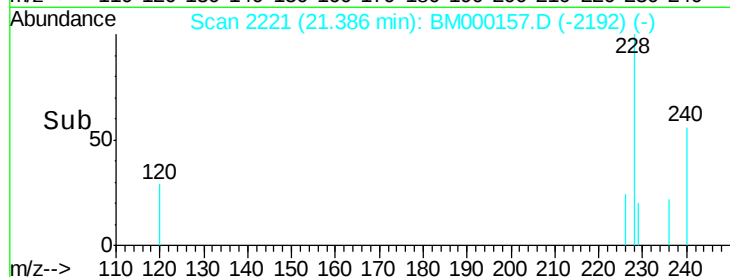
228 100

226 26.2 20.8 31.2

229 22.4 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: BM000157.D

Acq: 09 Jan 2015 14:18

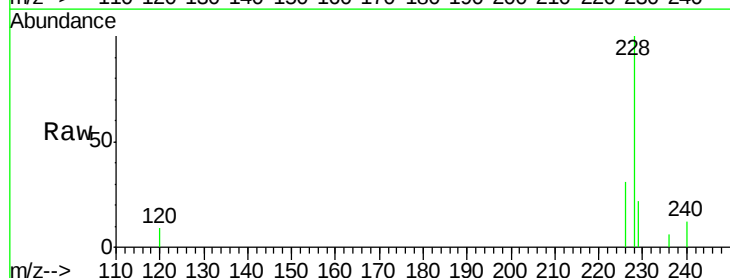
Tgt Ion:228 Resp: 3330

Ion Ratio Lower Upper

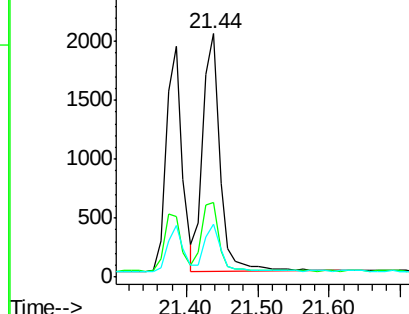
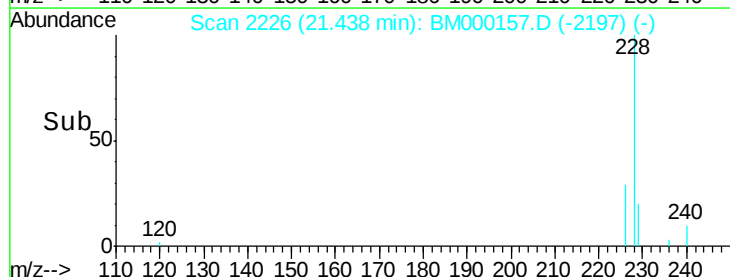
228 100

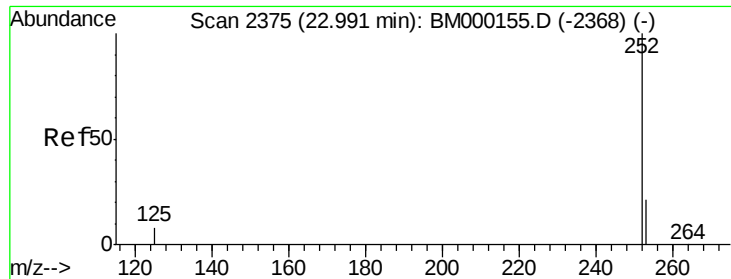
226 30.9 23.8 35.6

229 21.6 15.8 23.8



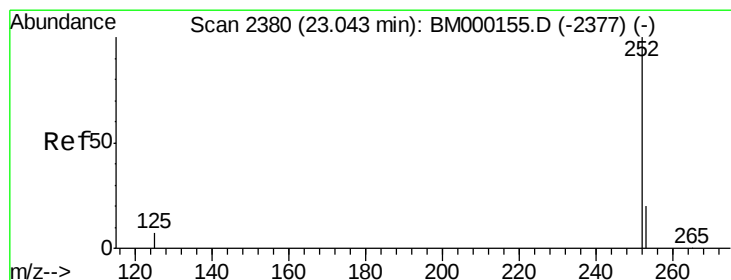
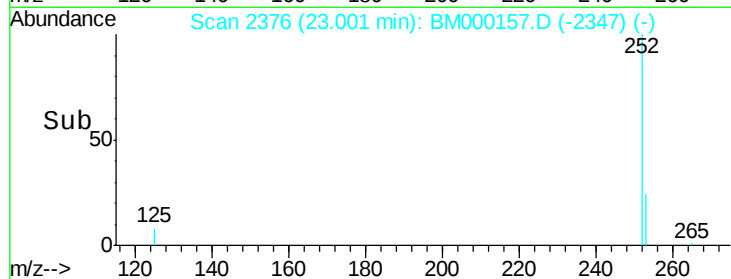
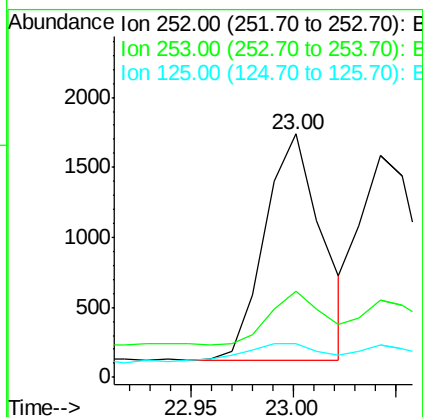
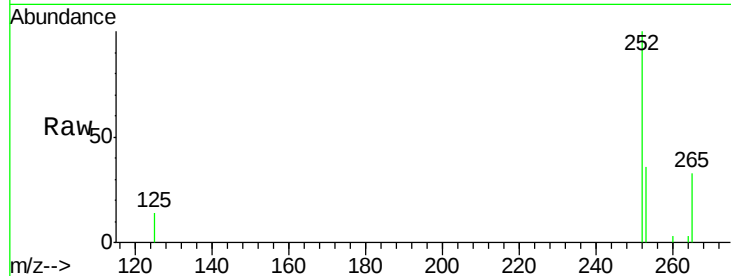
Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





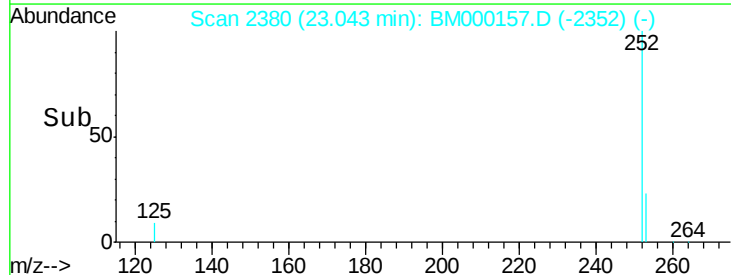
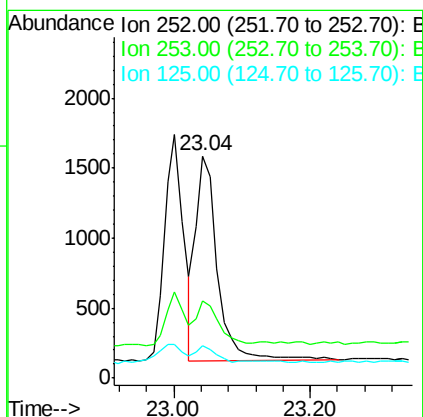
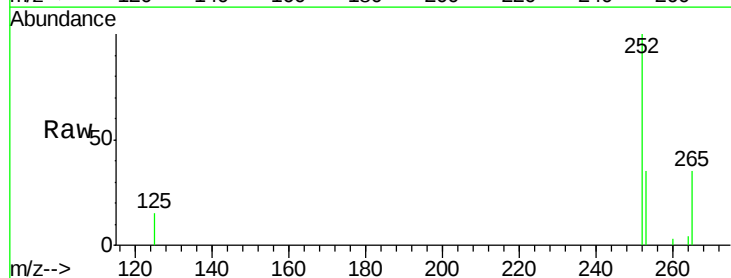
#21
Benzo(b)fluoranthene
Concen: 0.09 ng/u1
RT: 23.00 min Scan# 2376
Delta R.T. -0.00 min
Lab File: BM000157.D
Acq: 09 Jan 2015 14:18

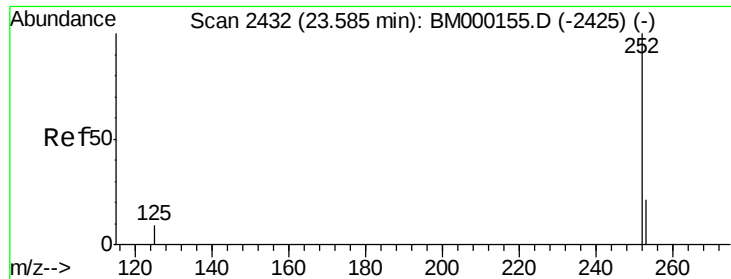
Tgt Ion:252 Resp: 3151
Ion Ratio Lower Upper
252 100
253 35.5 0.0 48.2
125 13.7 0.0 21.6



#22
Benzo(k)fluoranthene
Concen: 0.10 ng/u1
RT: 23.04 min Scan# 2380
Delta R.T. -0.01 min
Lab File: BM000157.D
Acq: 09 Jan 2015 14:18

Tgt Ion:252 Resp: 3295
Ion Ratio Lower Upper
252 100
253 34.7 20.5 30.7#
125 14.8 7.8 11.8#





#23

Benzo(a)pyrene

Concen: 0.09 ng/ul

RT: 23.60 min Scan# 2433

Delta R.T. -0.00 min

Lab File: BM000157.D

Acq: 09 Jan 2015 14:18

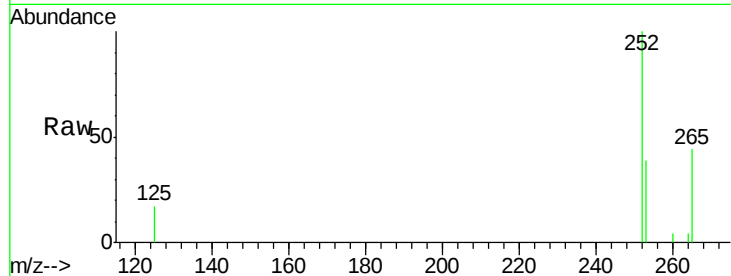
Tgt Ion: 252 Resp: 2878

Ion Ratio Lower Upper

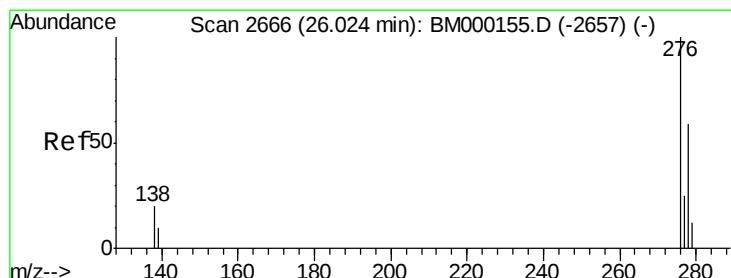
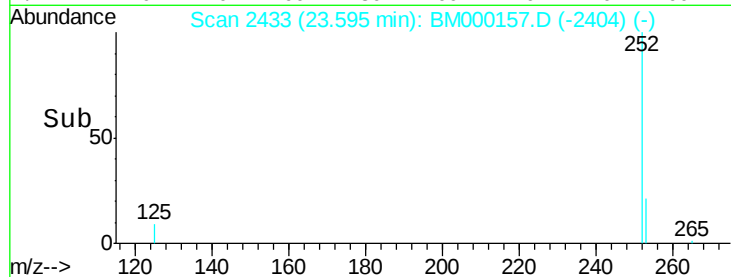
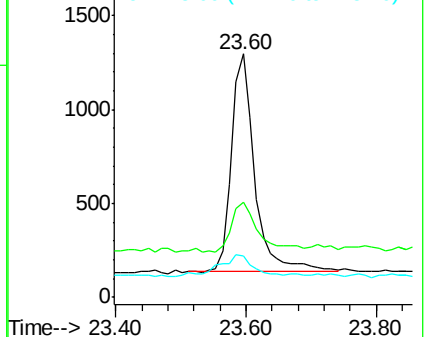
252 100

253 38.9 19.8 29.6#

125 16.8 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: BM000157.D

Acq: 09 Jan 2015 14:18

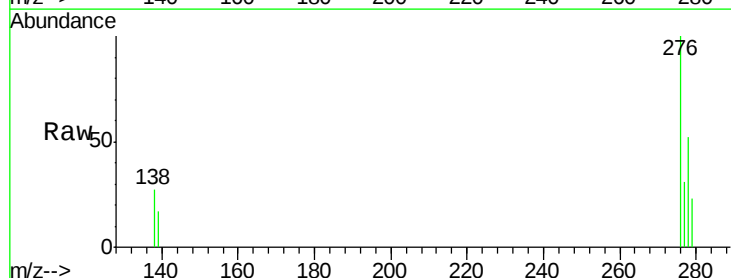
Tgt Ion: 276 Resp: 3276

Ion Ratio Lower Upper

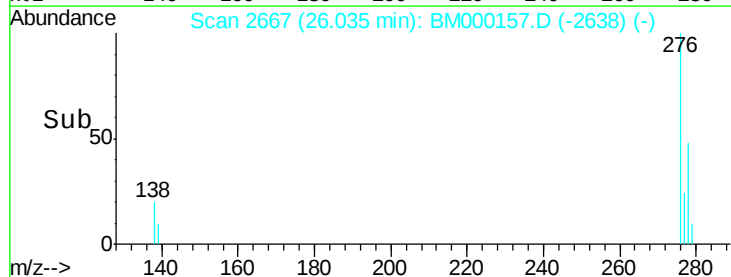
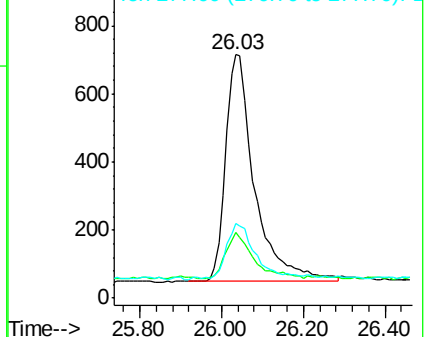
276 100

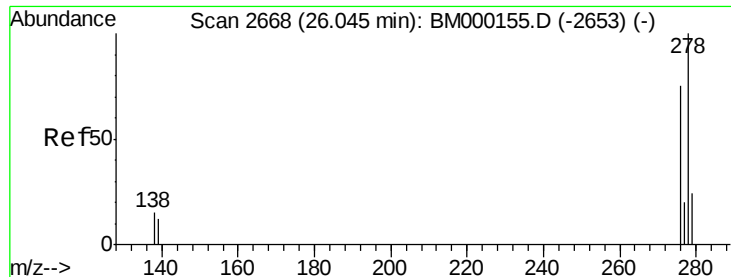
138 19.0 17.6 26.4

277 23.8 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

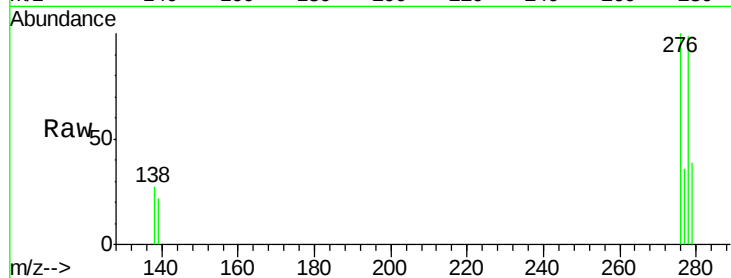




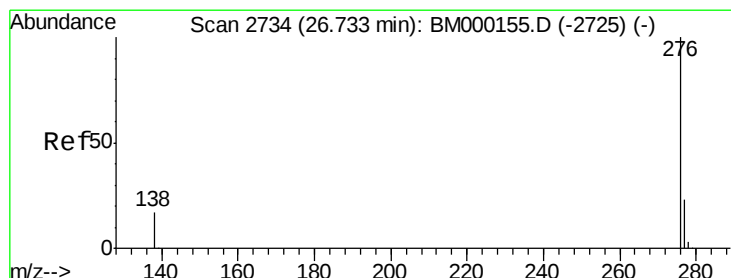
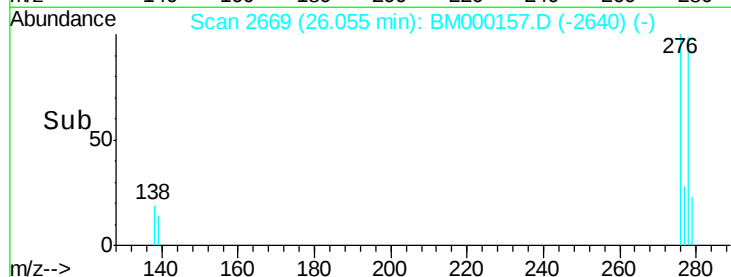
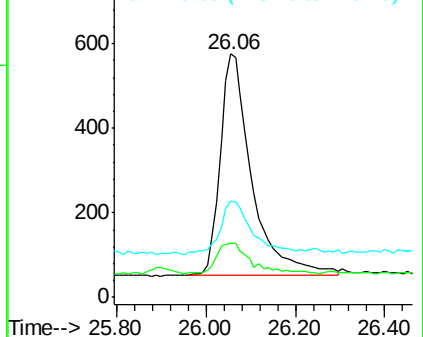
#25
Dibenzo(a,h)anthracene
Concen: 0.09 ng/ul
RT: 26.06 min Scan# 2669
Delta R.T. -0.00 min
Lab File: BM000157.D
Acq: 09 Jan 2015 14:18

Tgt Ion: 278 Resp: 2571

Ion	Ratio	Lower	Upper
278	100		
139	22.4	12.6	18.8#
279	39.6	20.6	30.8#



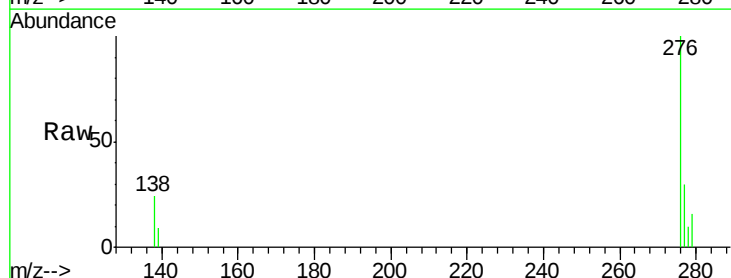
Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#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: BM000157.D
Acq: 09 Jan 2015 14:18

Tgt Ion: 276 Resp: 2956

Ion	Ratio	Lower	Upper
276	100		
277	29.9	20.0	30.0
138	23.7	15.7	23.5#



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

