

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM010915\
 Data File : BM000161.D
 Acq On : 09 Jan 2015 16:40
 Operator : TP/IZ
 Sample : MDL-06-S
 Misc : MDL-SOIL-0.15PPM-SIM
 ALS Vial : 39 Sample Multiplier: 1

Quant Time: Jan 09 22:11:37 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	2721	0.40	ng/ul	0.00
2) Naphthalene-d8	10.62	136	8921	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.47	164	5682	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.21	188	10626	0.40	ng/ul	0.00
16) Chrysene-d12	21.41	240	9268	0.40	ng/ul	0.00
20) Perylene-d12	23.69	264	8441	0.40	ng/ul	-0.01

System Monitoring Compounds

4) 2-Methylnaphthalene-d10	12.21	152	4633	0.39	ng/ul	-0.01
14) Fluoranthene-d10	19.25	212	7720	0.34	ng/ul	0.00

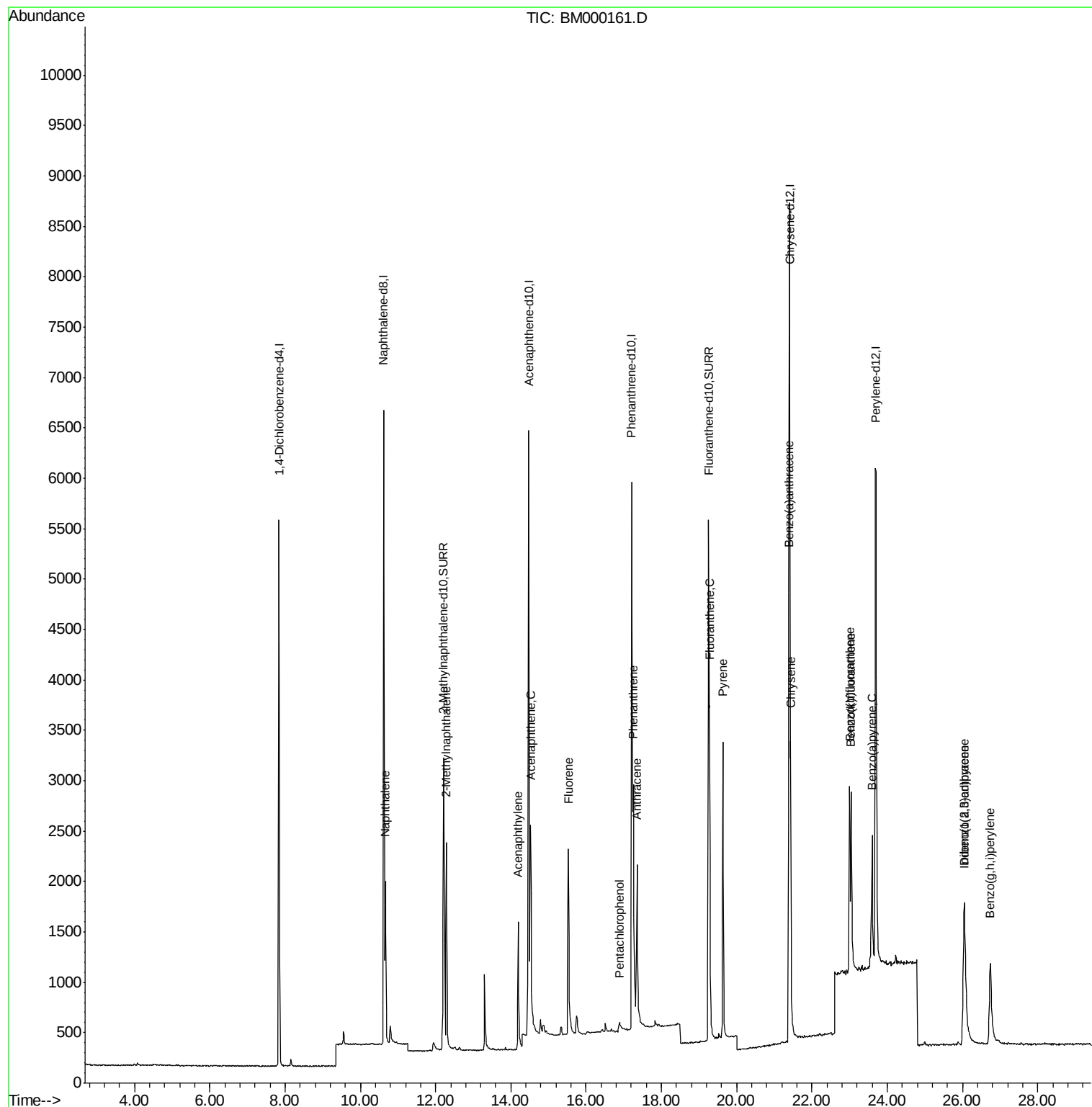
Target Compounds

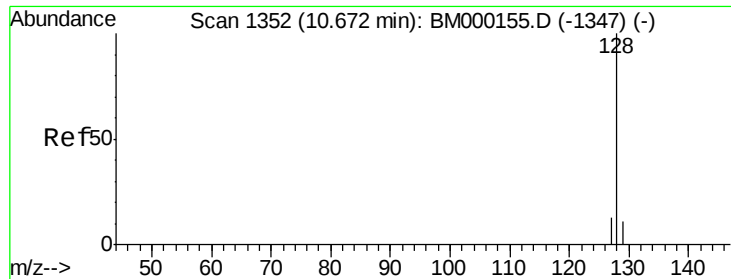
						Qvalue
3) Naphthalene	10.67	128	2200	0.09	ng/ul#	93
5) 2-Methylnaphthalene	12.28	142	1455	0.09	ng/ul	100
7) Acenaphthylene	14.19	152	2404	0.08	ng/ul#	91
8) Acenaphthene	14.52	153	1536	0.09	ng/ul#	85
9) Fluorene	15.52	166	1753	0.09	ng/ul#	94
11) Pentachlorophenol	16.89	266	169	0.10	ng/ul	89
12) Phenanthrene	17.26	178	2807	0.09	ng/ul#	91
13) Anthracene	17.35	178	2603	0.08	ng/ul#	90
15) Fluoranthene	19.27	202	3281	0.09	ng/ul	96
17) Pyrene	19.64	202	3341	0.09	ng/ul	97
18) Benzo(a)anthracene	21.39	228	2585	0.08	ng/ul	96
19) Chrysene	21.44	228	2994	0.09	ng/ul	97
21) Benzo(b)fluoranthene	23.00	252	2839	0.09	ng/ul	80
22) Benzo(k)fluoranthene	23.04	252	2761	0.09	ng/ul#	82
23) Benzo(a)pyrene	23.60	252	2710	0.09	ng/ul#	70
24) Indeno(1,2,3-cd)pyrene	26.03	276	2945	0.09	ng/ul	97
25) Dibenzo(a,h)anthracene	26.06	278	2279	0.08	ng/ul#	79
26) Benzo(g,h,i)perylene	26.73	276	2635	0.09	ng/ul#	88

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

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#3

Naphthalene

Concen: 0.09 ng/ul

RT: 10.67 min Scan# 1352

Delta R.T. -0.01 min

Lab File: BM000161.D

Acq: 09 Jan 2015 16:40

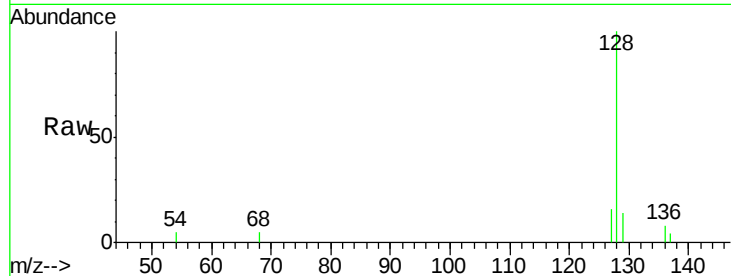
Tgt Ion:128 Resp: 2200

Ion Ratio Lower Upper

128 100

129 14.0 9.5 14.3

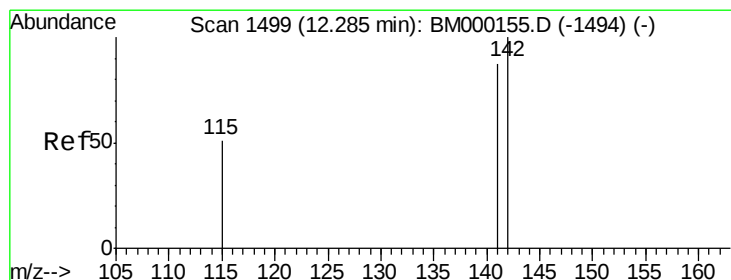
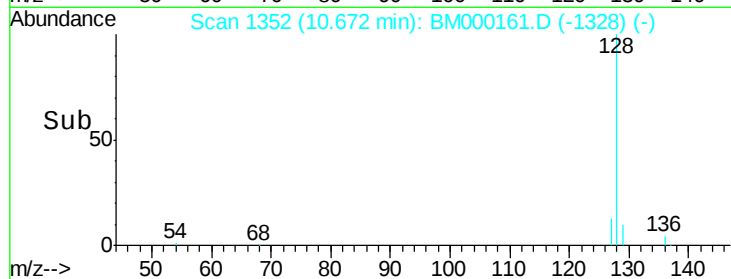
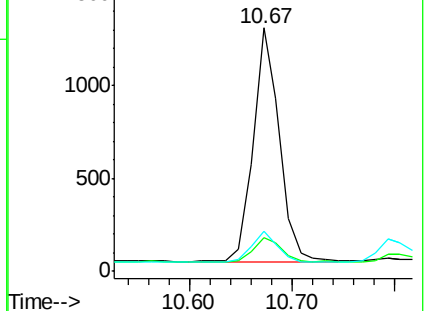
127 16.4 10.4 15.6#



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: 0.09 ng/ul

RT: 12.28 min Scan# 1499

Delta R.T. -0.01 min

Lab File: BM000161.D

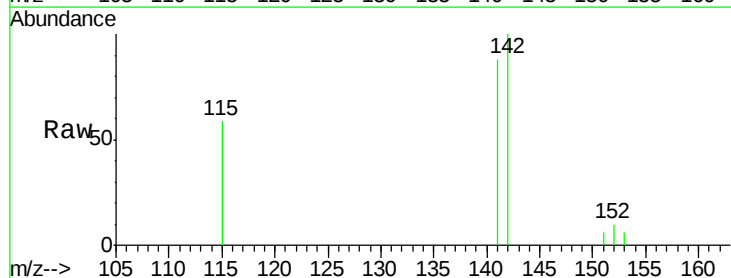
Acq: 09 Jan 2015 16:40

Tgt Ion:142 Resp: 1455

Ion Ratio Lower Upper

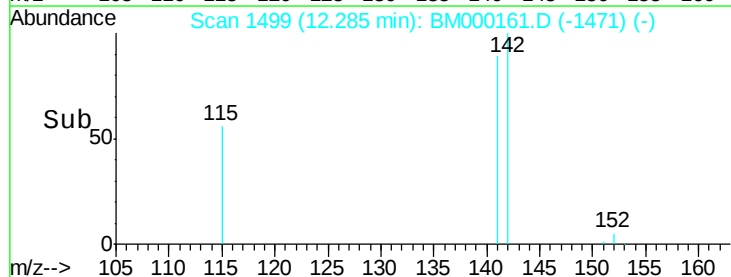
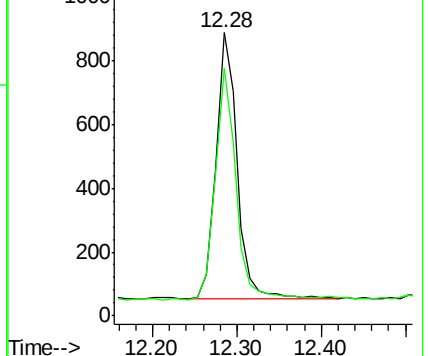
142 100

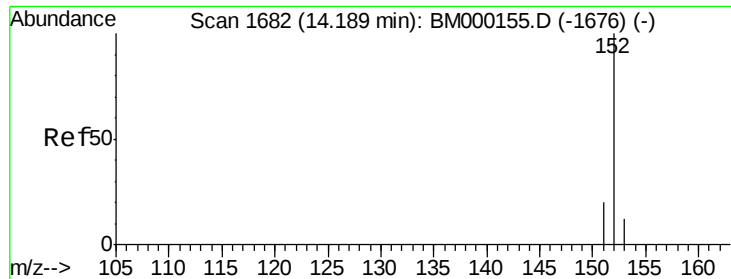
141 86.3 68.9 103.3



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.08 ng/ul

RT: 14.19 min Scan# 1682

Delta R.T. -0.01 min

Lab File: BM000161.D

Acq: 09 Jan 2015 16:40

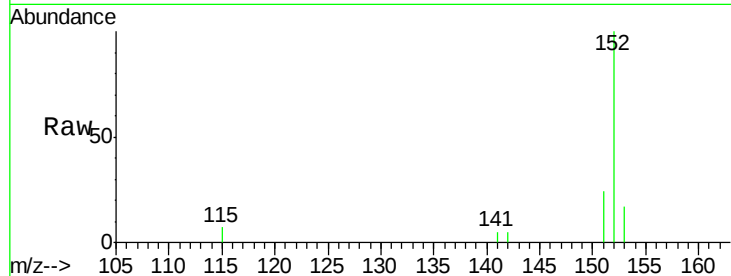
Tgt Ion:152 Resp: 2404

Ion Ratio Lower Upper

152 100

151 23.8 15.4 23.2#

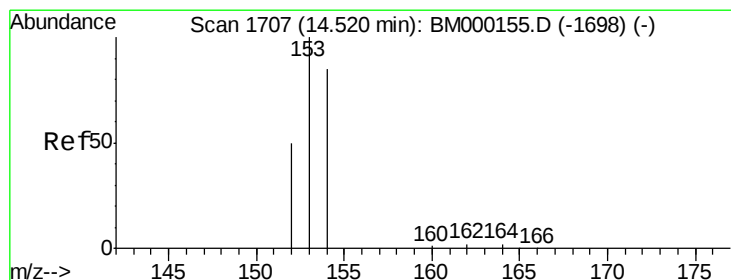
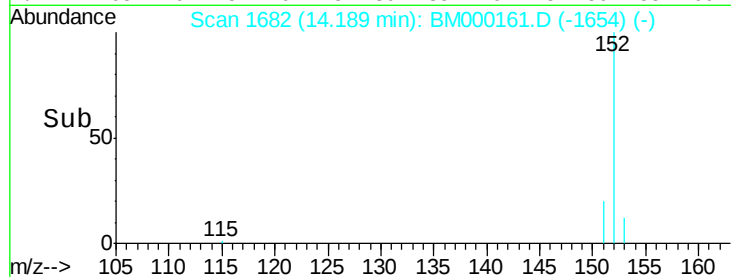
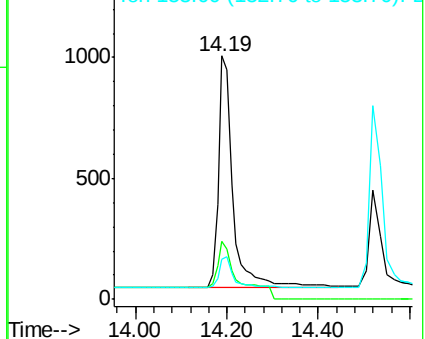
153 16.7 11.0 16.4#



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: BM000161.D

Acq: 09 Jan 2015 16:40

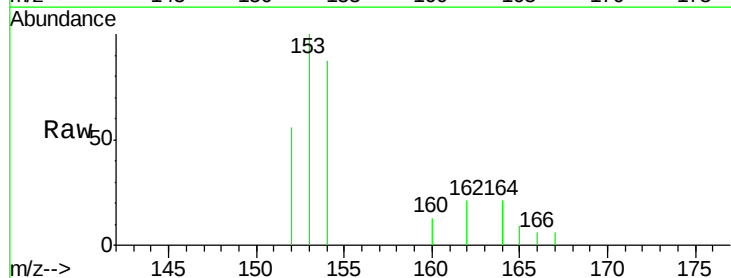
Tgt Ion:153 Resp: 1536

Ion Ratio Lower Upper

153 100

152 56.2 35.8 53.6#

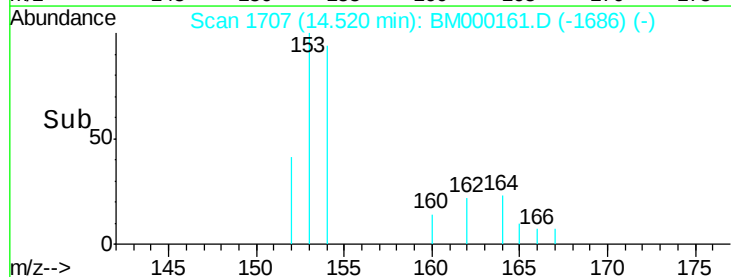
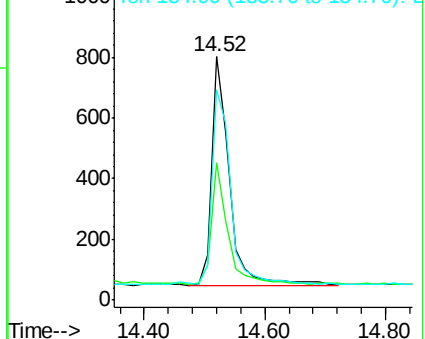
154 86.7 79.9 119.9

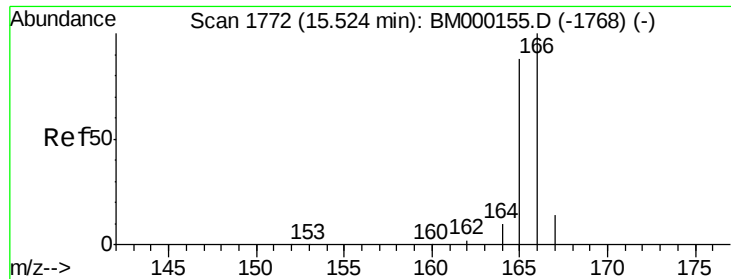


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

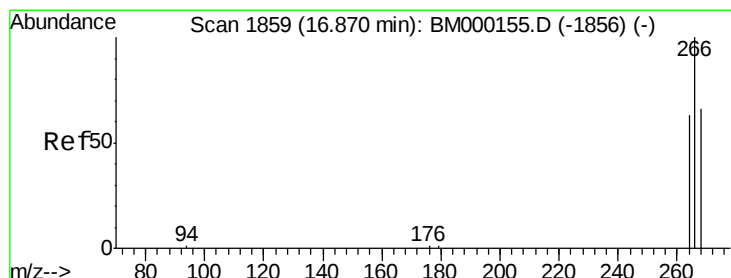
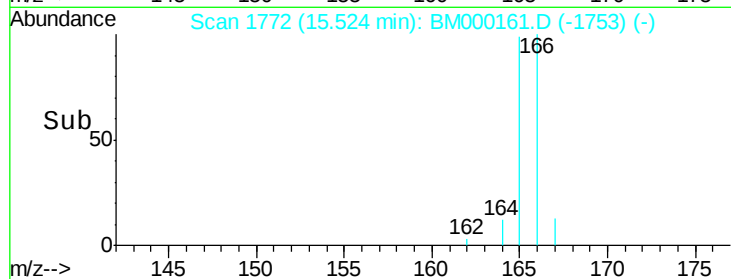
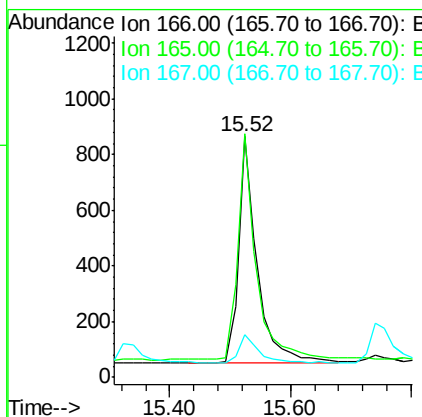
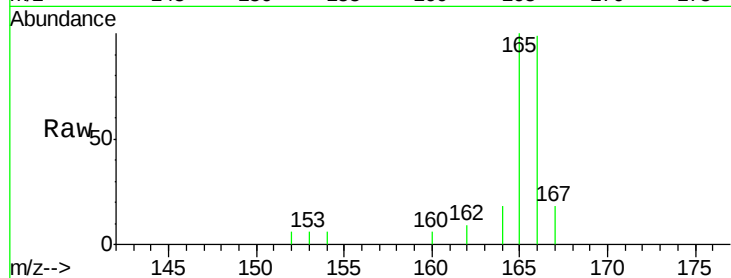
Ion 154.00 (153.70 to 154.70): E





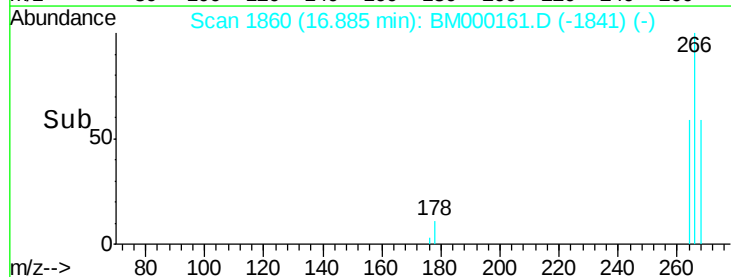
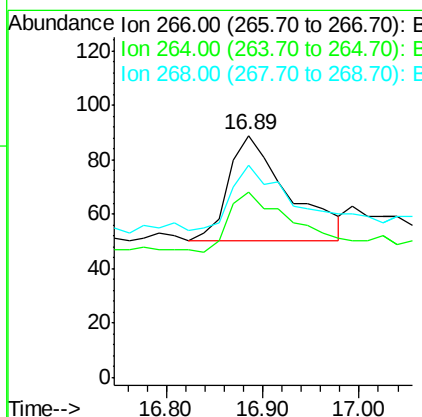
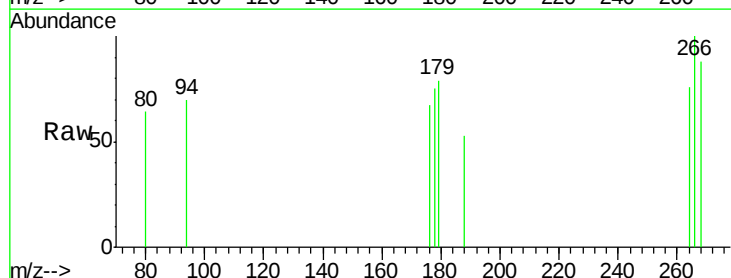
#9
Fluorene
 Concen: 0.09 ng/ul
 RT: 15.52 min Scan# 1772
 Delta R.T. 0.00 min
 Lab File: BM000161.D
 Acq: 09 Jan 2015 16:40

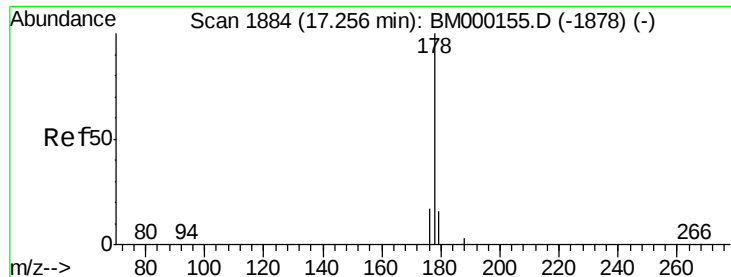
Tgt Ion:166 Resp: 1753
 Ion Ratio Lower Upper
 166 100
 165 101.0 77.0 115.4
 167 17.8 11.0 16.6#



#11
Pentachlorophenol
 Concen: 0.10 ng/ul
 RT: 16.89 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: BM000161.D
 Acq: 09 Jan 2015 16:40

Tgt Ion:266 Resp: 169
 Ion Ratio Lower Upper
 266 100
 264 56.2 53.9 80.9
 268 67.5 49.2 73.8





#12

Phenanthrene

Concen: 0.09 ng/ul

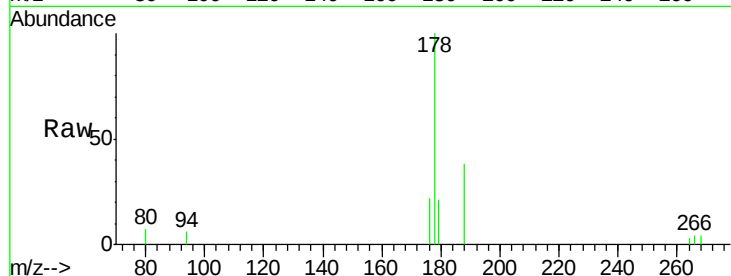
RT: 17.26 min Scan# 1884

Delta R.T. 0.00 min

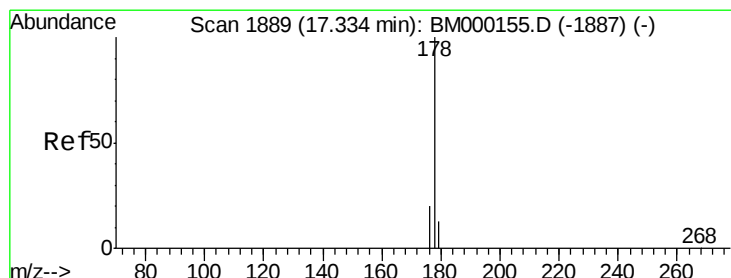
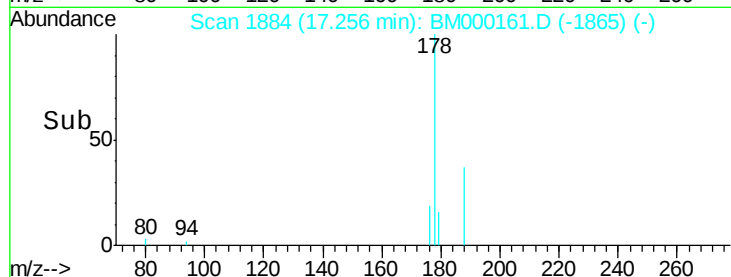
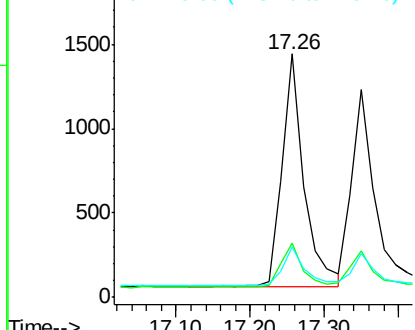
Lab File: BM000161.D

Acq: 09 Jan 2015 16:40

Tgt Ion:	178	Resp:	2807
Ion	Ratio	Lower	Upper
178	100		
176	22.1	15.1	22.7
179	20.6	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: 0.08 ng/ul

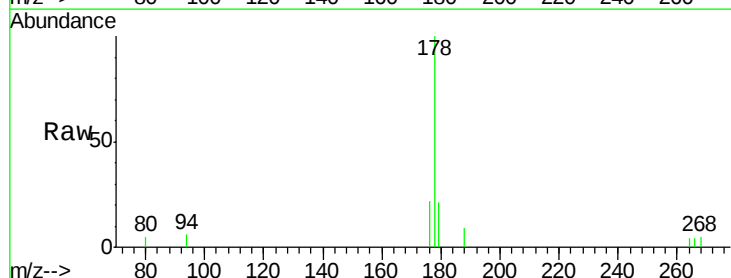
RT: 17.35 min Scan# 1890

Delta R.T. 0.00 min

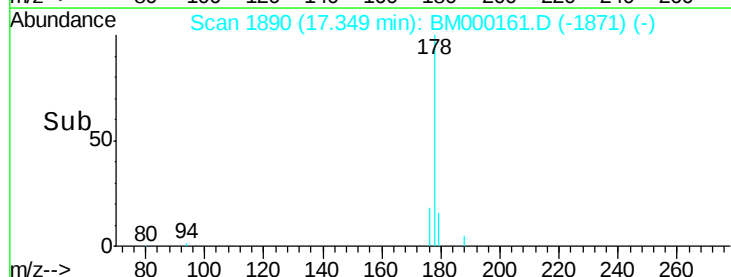
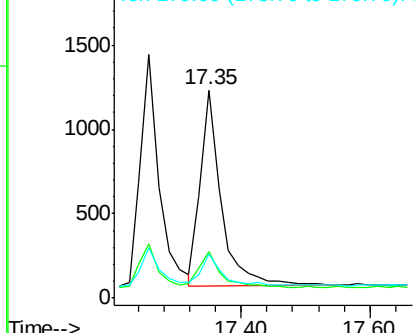
Lab File: BM000161.D

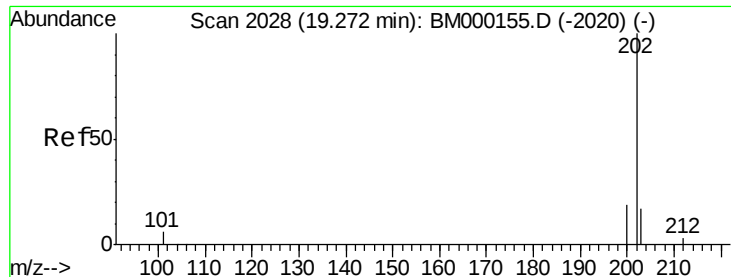
Acq: 09 Jan 2015 16:40

Tgt Ion:	178	Resp:	2603
Ion	Ratio	Lower	Upper
178	100		
176	22.0	14.6	21.8
179	21.1	13.1	19.7



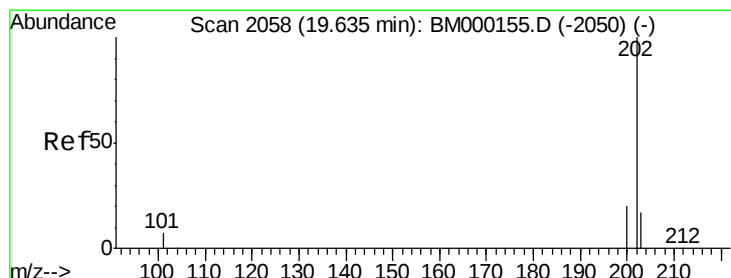
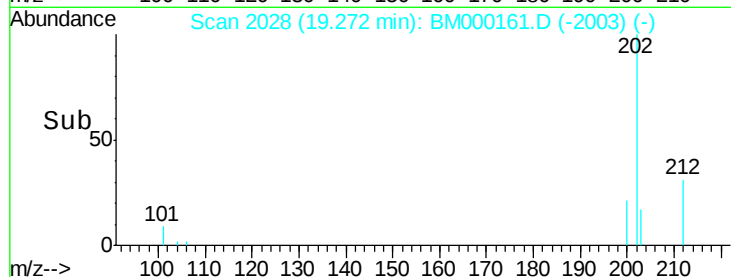
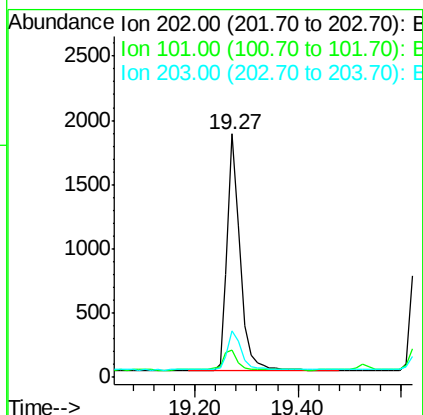
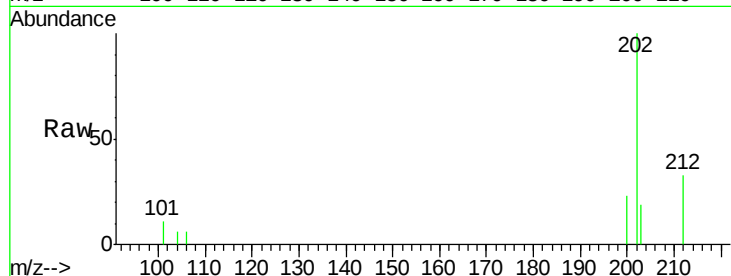
Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





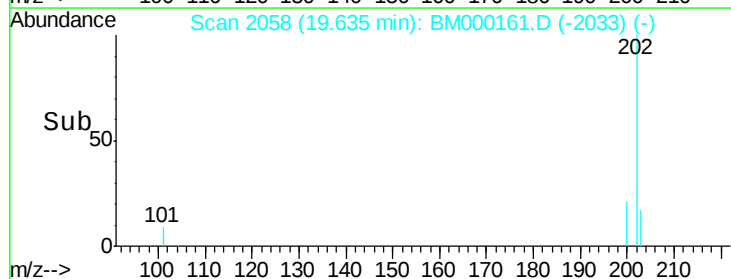
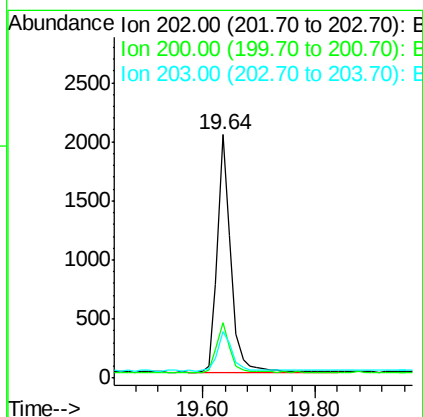
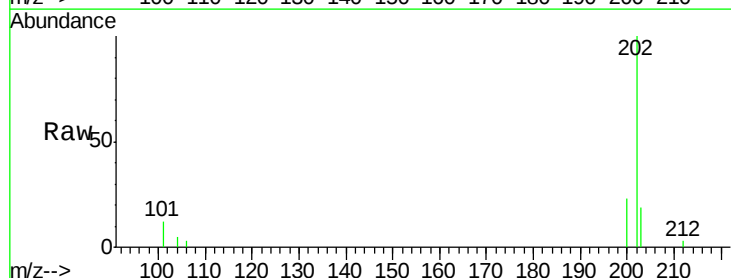
#15
Fluoranthene
Concen: 0.09 ng/ul
RT: 19.27 min Scan# 2028
Delta R.T. 0.00 min
Lab File: BM000161.D
Acq: 09 Jan 2015 16:40

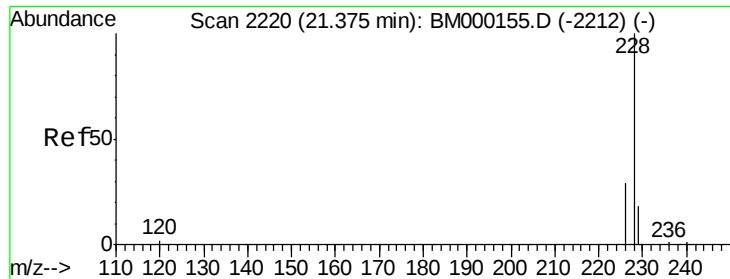
Tgt Ion:202 Resp: 3281
Ion Ratio Lower Upper
202 100
101 11.3 0.0 30.5
203 19.1 0.0 36.6



#17
Pyrene
Concen: 0.09 ng/ul
RT: 19.64 min Scan# 2058
Delta R.T. 0.00 min
Lab File: BM000161.D
Acq: 09 Jan 2015 16:40

Tgt Ion:202 Resp: 3341
Ion Ratio Lower Upper
202 100
200 22.6 17.9 26.9
203 19.2 12.8 19.2





#18

Benzo(a)anthracene

Concen: 0.08 ng/ul

RT: 21.39 min Scan# 2221

Delta R.T. 0.00 min

Lab File: BM000161.D

Acq: 09 Jan 2015 16:40

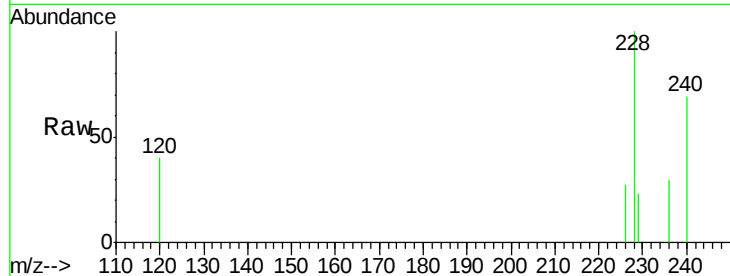
Tgt Ion:228 Resp: 2585

Ion Ratio Lower Upper

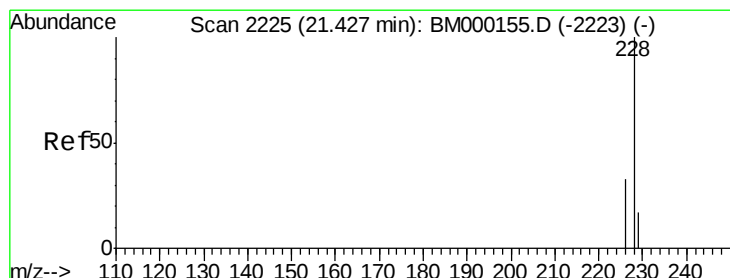
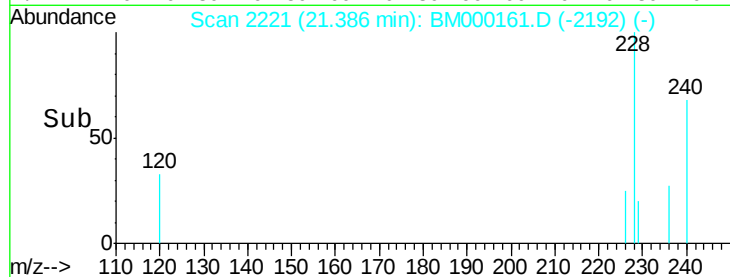
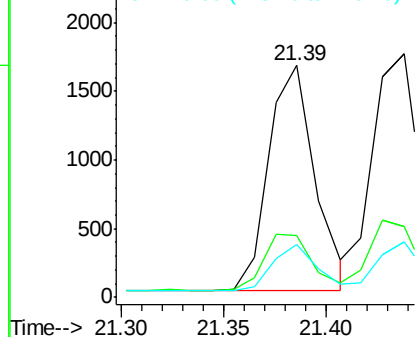
228 100

226 27.0 20.8 31.2

229 22.6 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: 0.09 ng/ul

RT: 21.44 min Scan# 2226

Delta R.T. 0.00 min

Lab File: BM000161.D

Acq: 09 Jan 2015 16:40

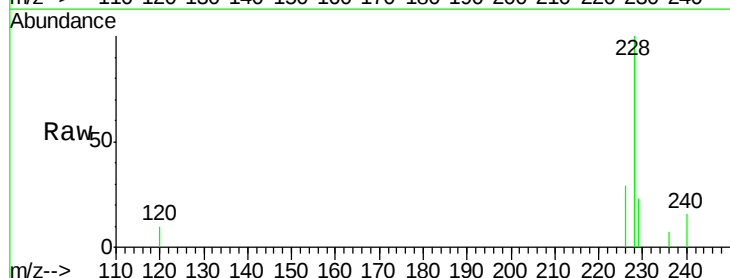
Tgt Ion:228 Resp: 2994

Ion Ratio Lower Upper

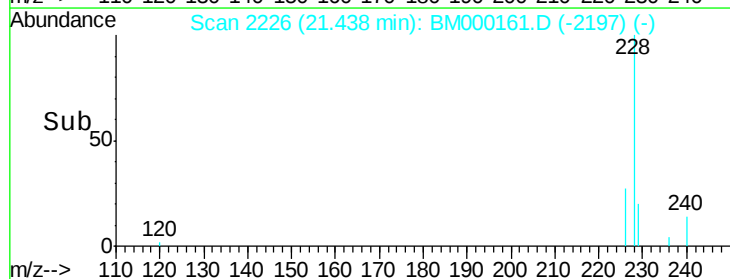
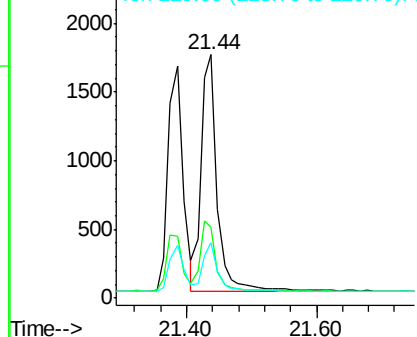
228 100

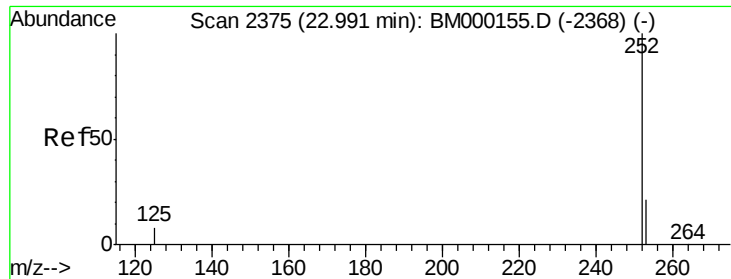
226 29.3 23.8 35.6

229 22.7 15.8 23.8



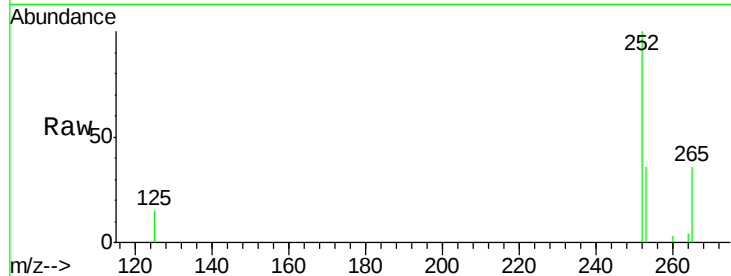
Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



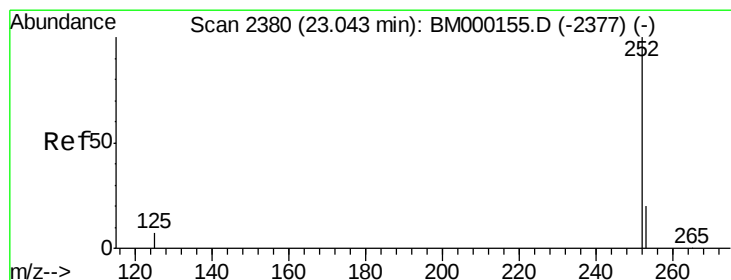
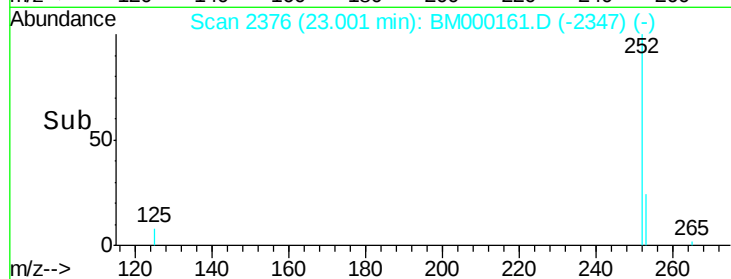
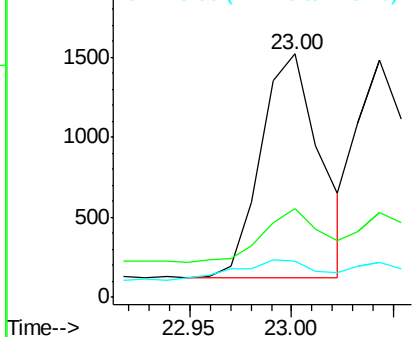


#21
Benzo(b)fluoranthene
Concen: 0.09 ng/u1
RT: 23.00 min Scan# 2376
Delta R.T. 0.00 min
Lab File: BM000161.D
Acq: 09 Jan 2015 16:40

Tgt Ion:252 Resp: 2839
Ion Ratio Lower Upper
252 100
253 36.3 0.0 48.2
125 14.9 0.0 21.6

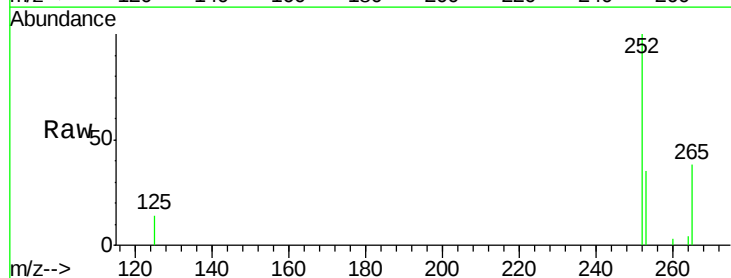


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

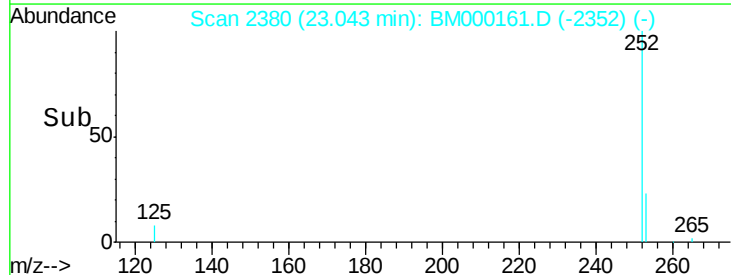
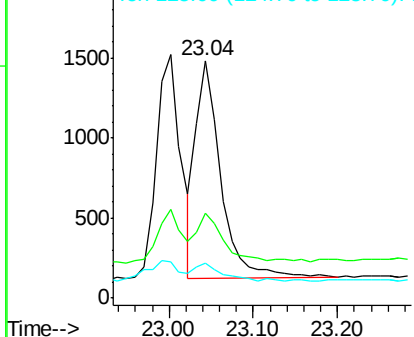


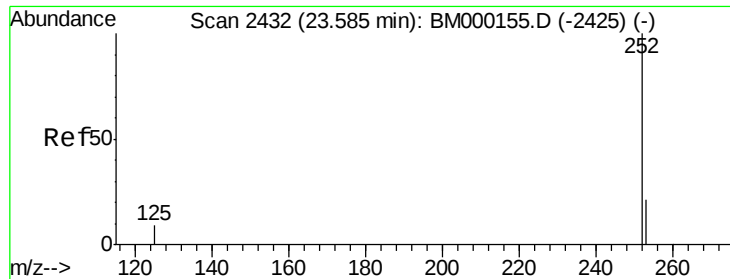
#22
Benzo(k)fluoranthene
Concen: 0.09 ng/u1
RT: 23.04 min Scan# 2380
Delta R.T. -0.01 min
Lab File: BM000161.D
Acq: 09 Jan 2015 16:40

Tgt Ion:252 Resp: 2761
Ion Ratio Lower Upper
252 100
253 35.4 20.5 30.7#
125 14.5 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: 0.09 ng/ul

RT: 23.60 min Scan# 2433

Delta R.T. 0.00 min

Lab File: BM000161.D

Acq: 09 Jan 2015 16:40

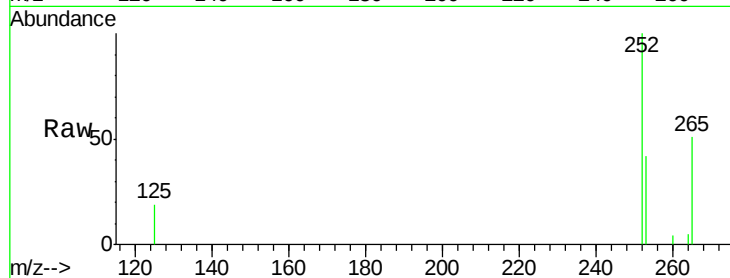
Tgt Ion: 252 Resp: 2710

Ion Ratio Lower Upper

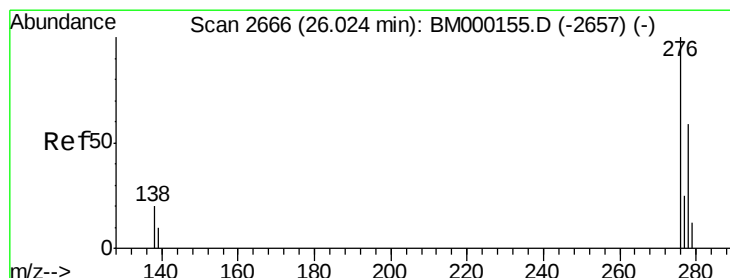
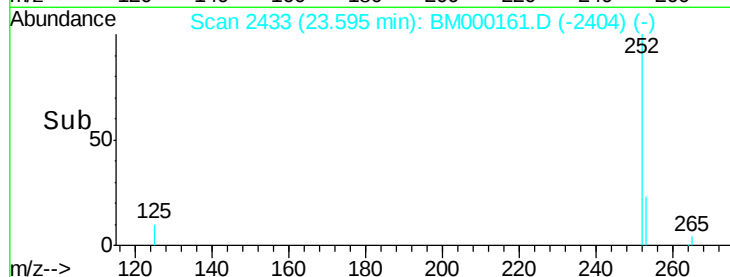
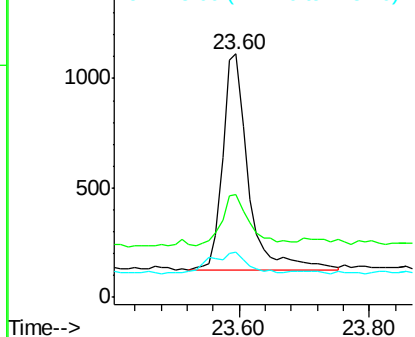
252 100

253 42.2 19.8 29.6#

125 18.6 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: BM000161.D

Acq: 09 Jan 2015 16:40

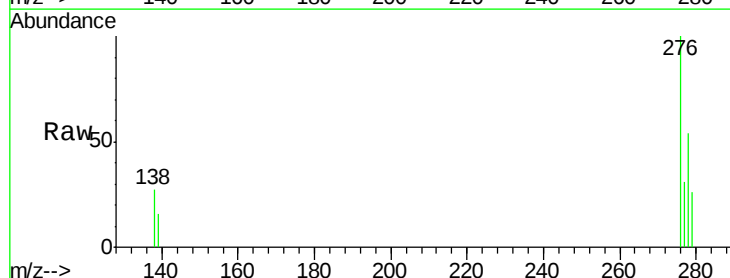
Tgt Ion: 276 Resp: 2945

Ion Ratio Lower Upper

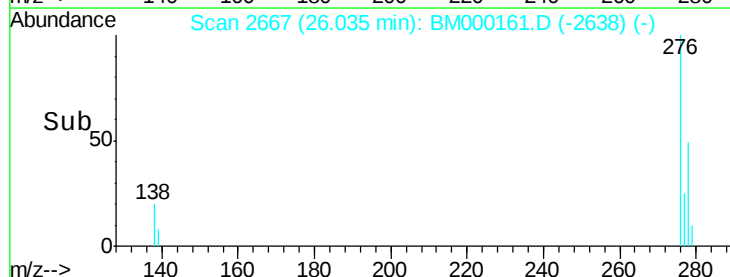
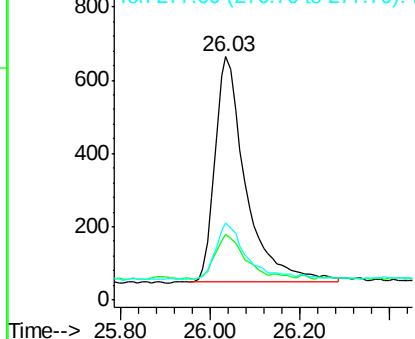
276 100

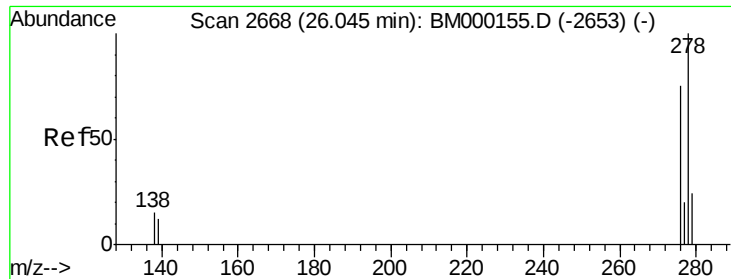
138 19.9 17.6 26.4

277 25.8 19.9 29.9



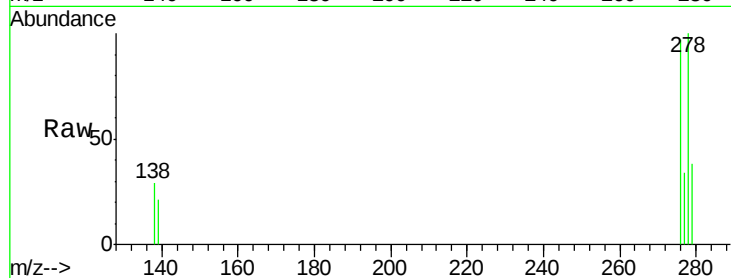
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



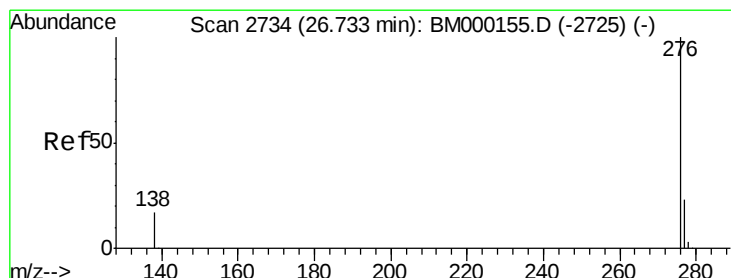
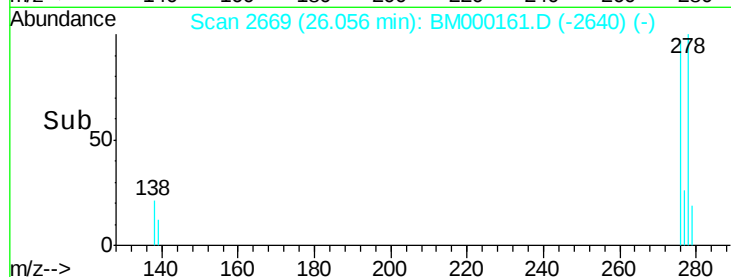
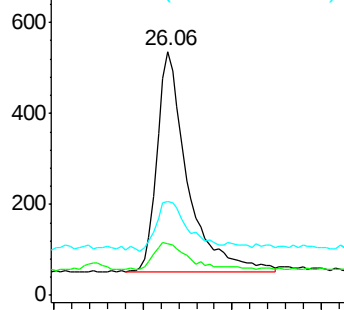


#25
Dibenzo(a,h)anthracene
Concen: 0.08 ng/ul
RT: 26.06 min Scan# 2669
Delta R.T. 0.00 min
Lab File: BM000161.D
Acq: 09 Jan 2015 16:40

Tgt Ion: 278 Resp: 2279
Ion Ratio Lower Upper
278 100
139 21.3 12.6 18.8#
279 38.4 20.6 30.8#

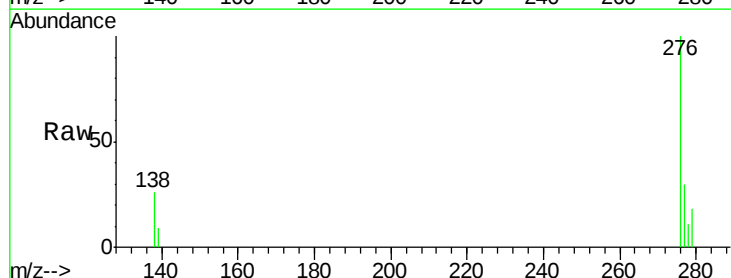


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#26
Benzo(g,h,i)perylene
Concen: 0.09 ng/ul
RT: 26.73 min Scan# 2734
Delta R.T. -0.01 min
Lab File: BM000161.D
Acq: 09 Jan 2015 16:40

Tgt Ion: 276 Resp: 2635
Ion Ratio Lower Upper
276 100
277 30.3 20.0 30.0#
138 25.7 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

