

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

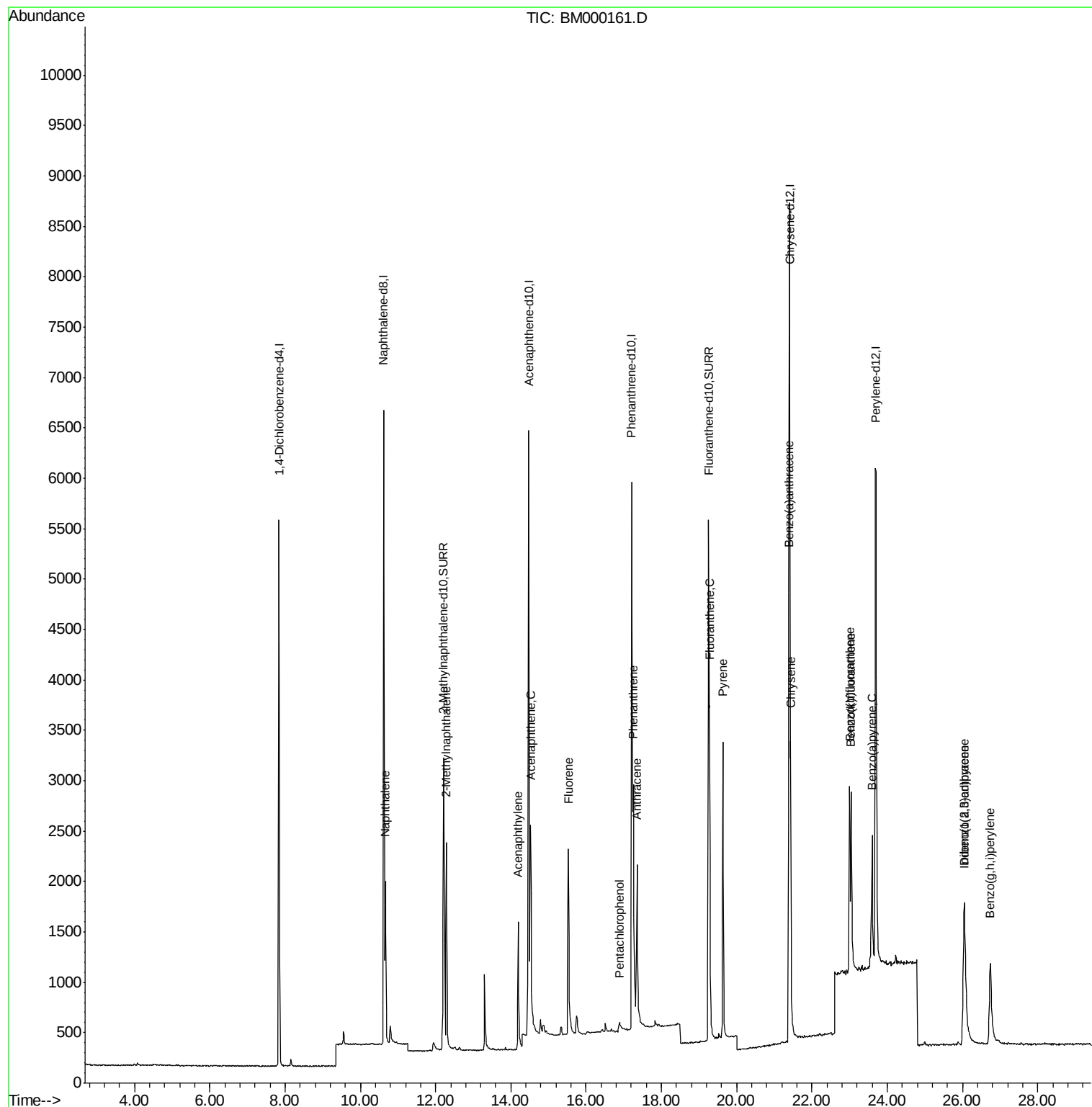
Target Compounds

						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

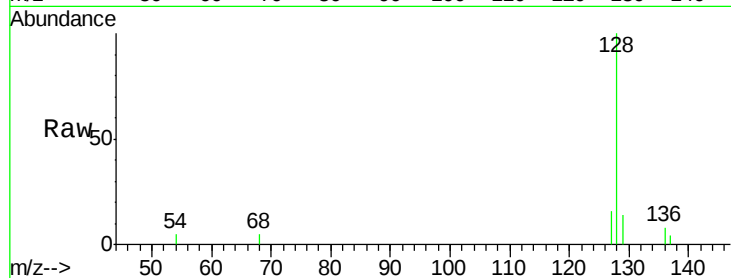
RT: 10.67 min Scan# 1352

Delta R.T. -0.01 min

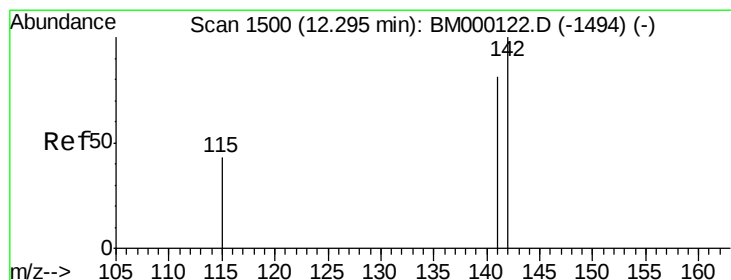
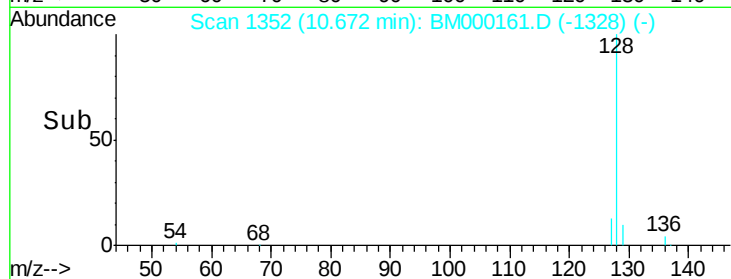
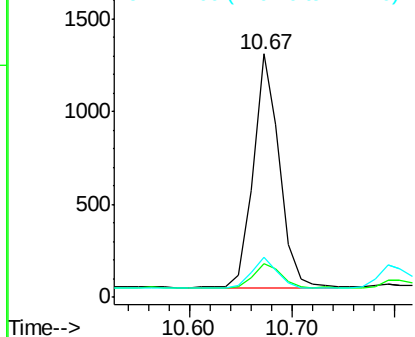
Lab File: BM000161.D

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

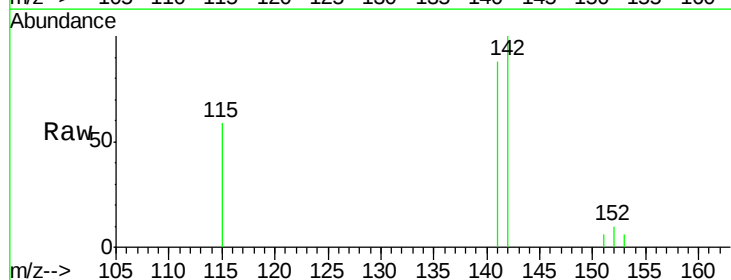
RT: 12.28 min Scan# 1499

Delta R.T. -0.01 min

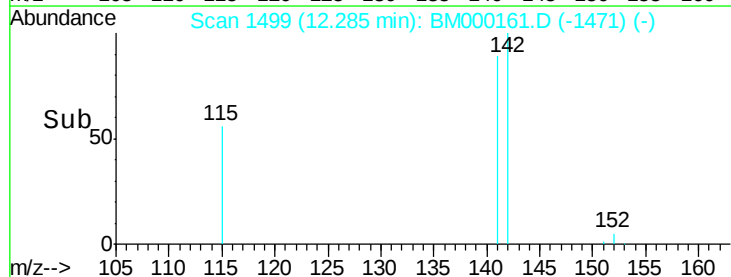
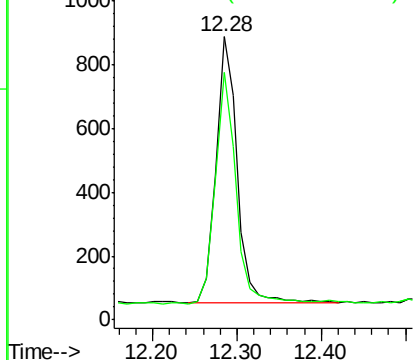
Lab File: BM000161.D

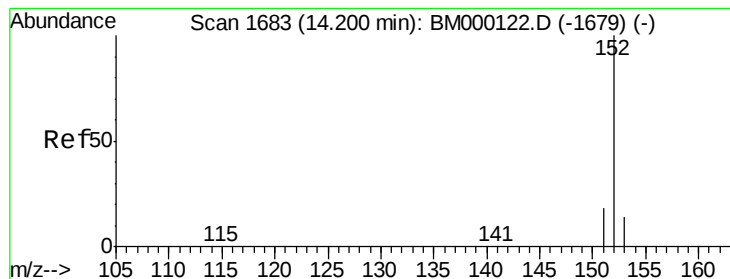
Acq: 09 Jan 2015 16:40

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

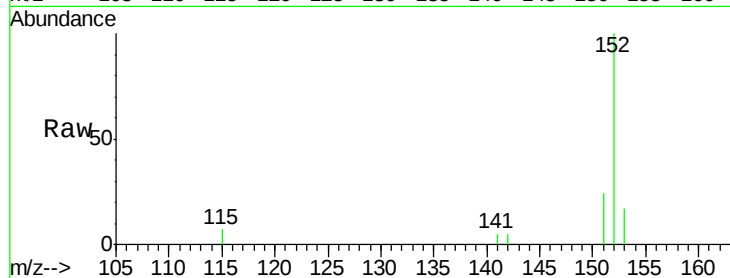
Tgt Ion:152 Resp: 2404

Ion Ratio Lower Upper

152 100

151 23.8 15.4 23.2#

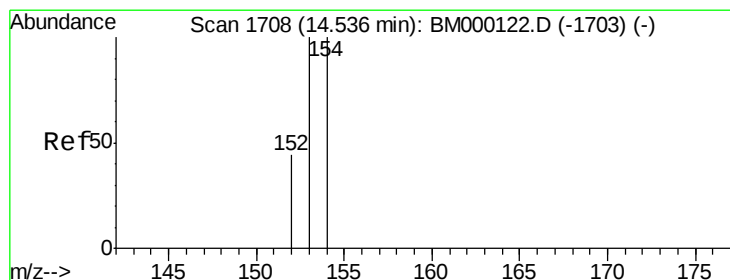
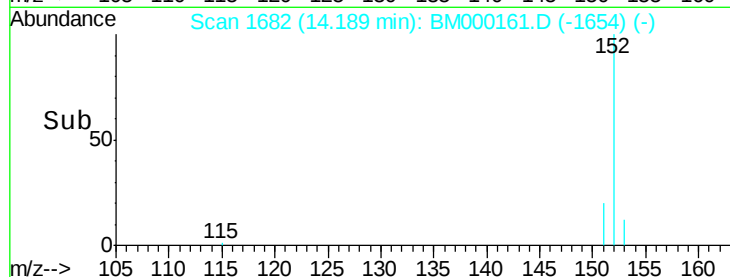
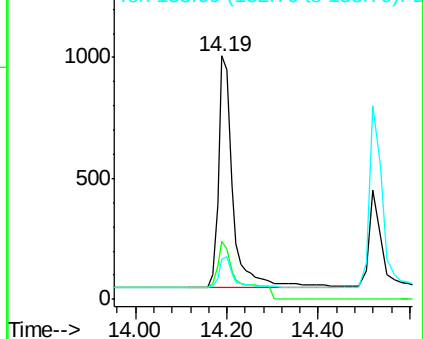
153 16.7 11.0 16.4#



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

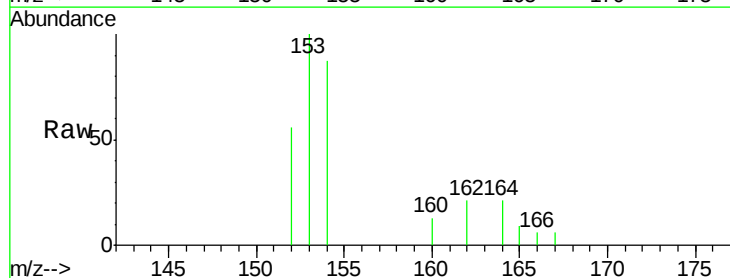
Tgt Ion:153 Resp: 1536

Ion Ratio Lower Upper

153 100

152 56.2 35.8 53.6#

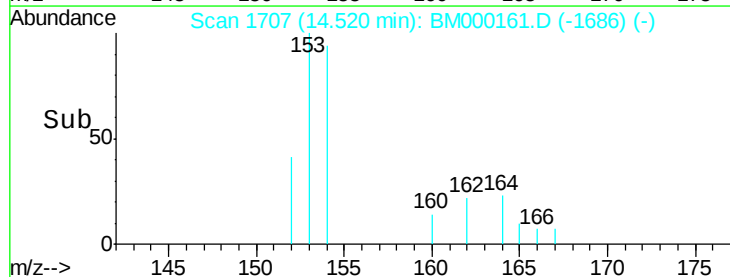
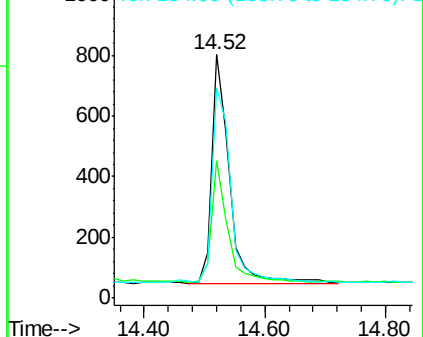
154 86.7 79.9 119.9



Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

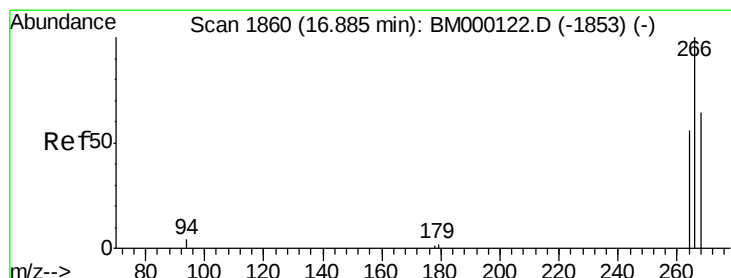
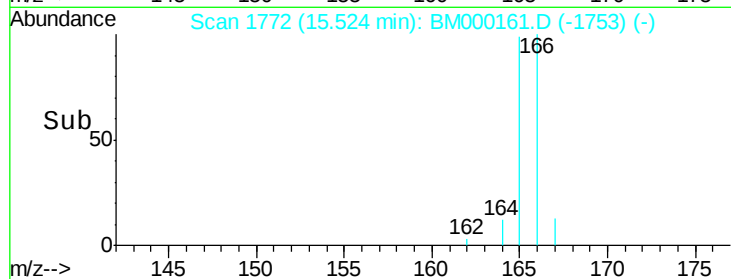
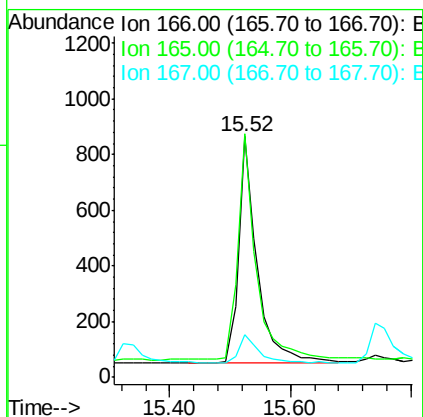
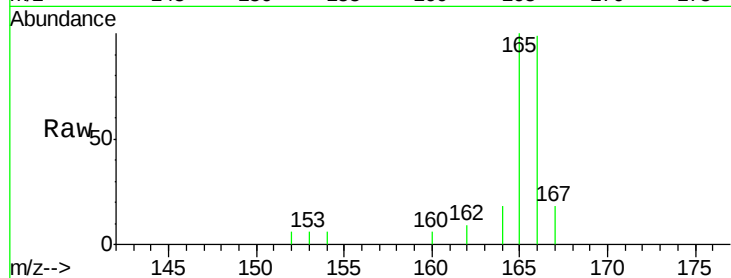
Ion 154.00 (153.70 to 154.70): E





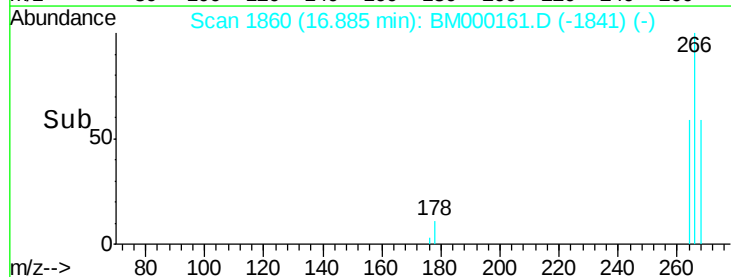
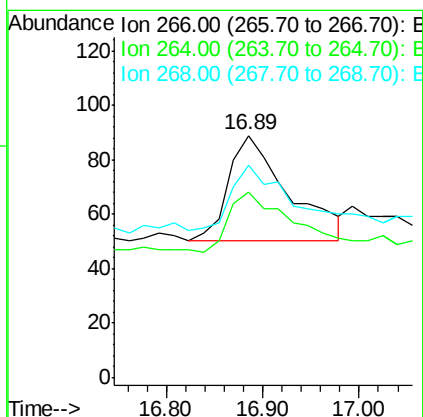
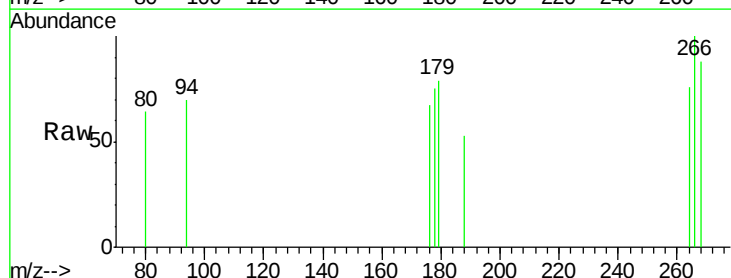
#9
Fluorene
 Concen: 0.09 ng/ul
 RT: 15.52 min Scan# 1772
 Delta R.T. 0.00 min
 Lab File: BM000161.D
 Acq: 09 Jan 2015 16:40

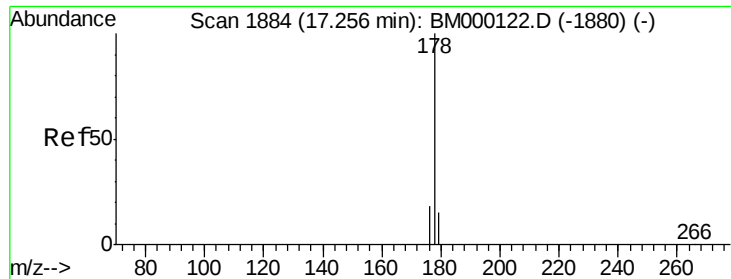
Tgt Ion:166 Resp: 1753
 Ion Ratio Lower Upper
 166 100
 165 101.0 77.0 115.4
 167 17.8 11.0 16.6#



#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

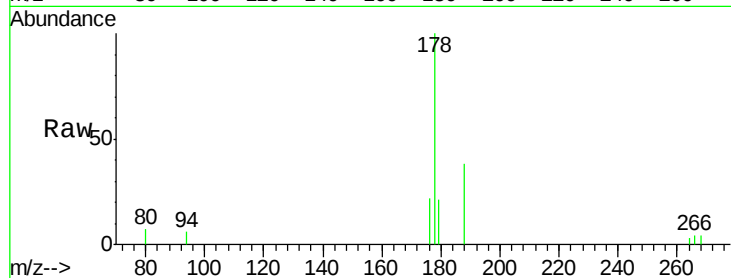
Tgt Ion:178 Resp: 2807

Ion Ratio Lower Upper

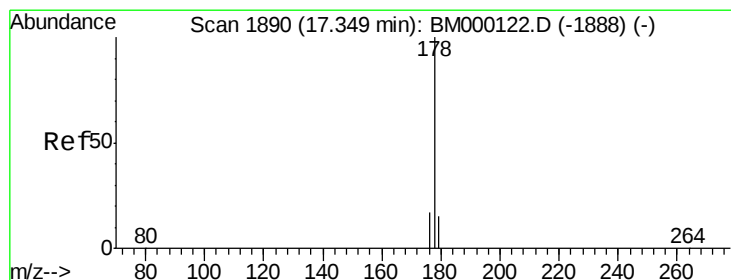
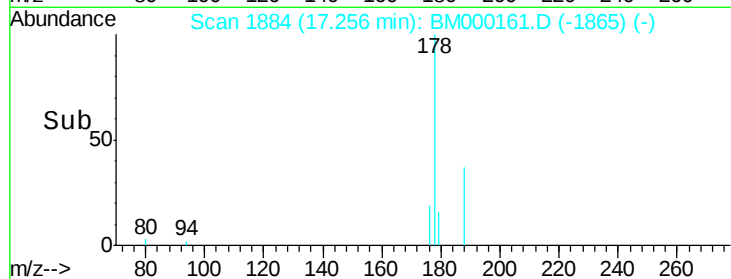
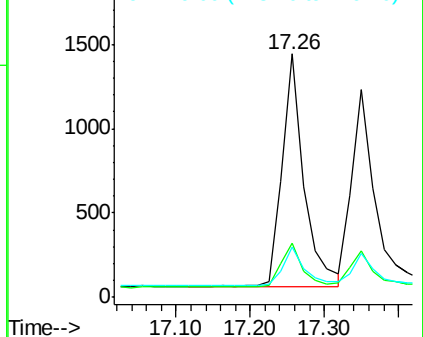
178 100

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

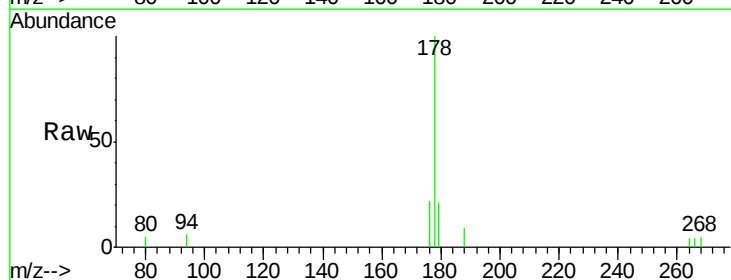
Tgt Ion:178 Resp: 2603

Ion Ratio Lower Upper

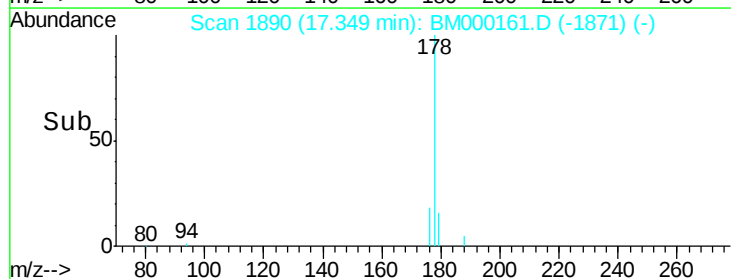
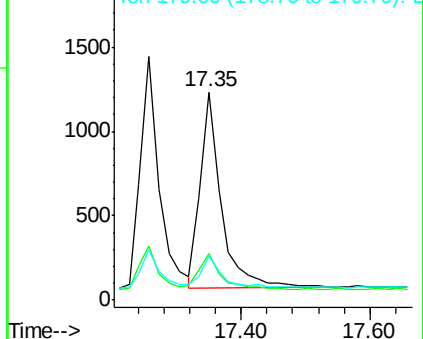
178 100

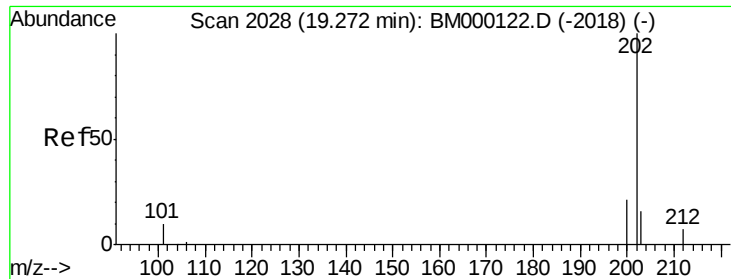
176 22.0 14.6 21.8#

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

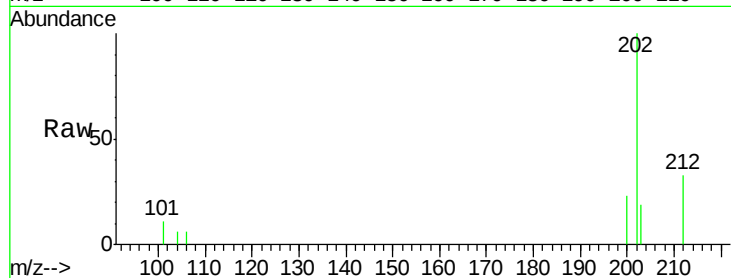
Tgt Ion:202 Resp: 3281

Ion Ratio Lower Upper

202 100

101 11.3 0.0 30.5

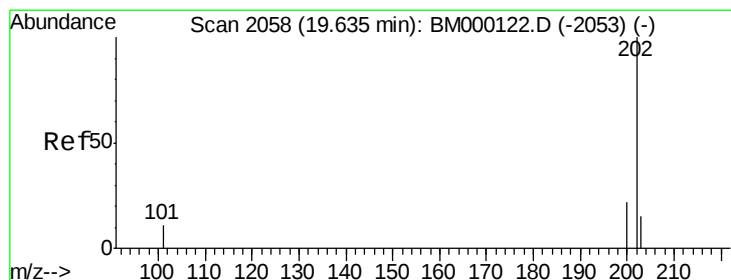
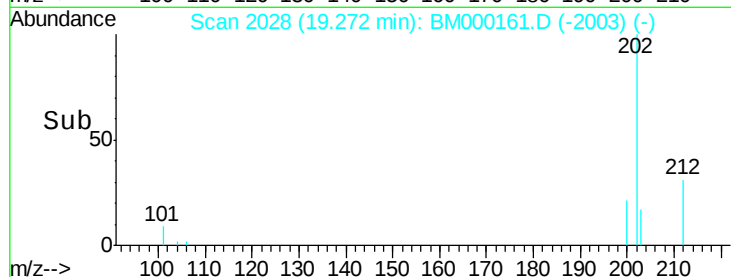
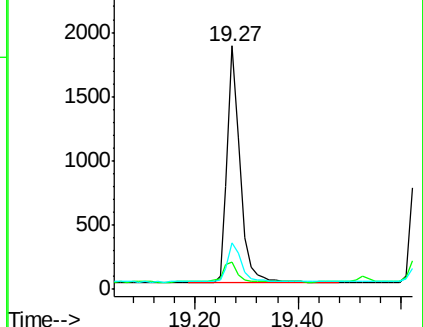
203 19.1 0.0 36.6



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#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

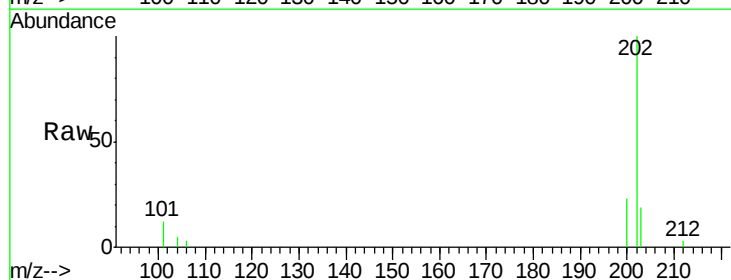
Tgt Ion:202 Resp: 3341

Ion Ratio Lower Upper

202 100

200 22.6 17.9 26.9

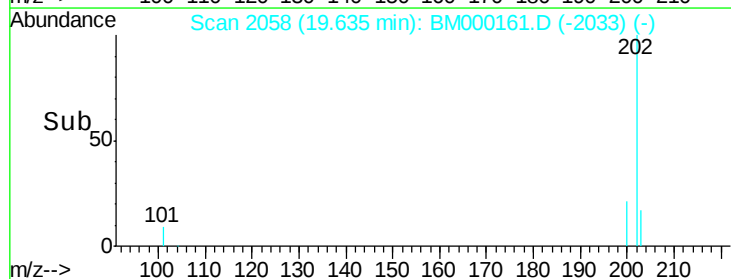
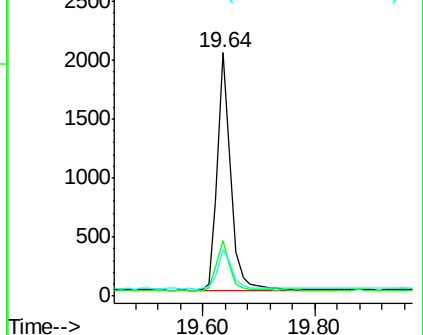
203 19.2 12.8 19.2

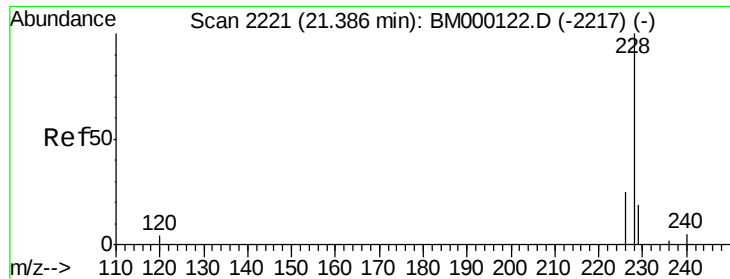


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

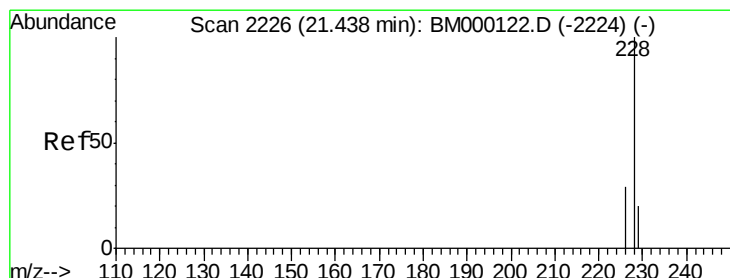
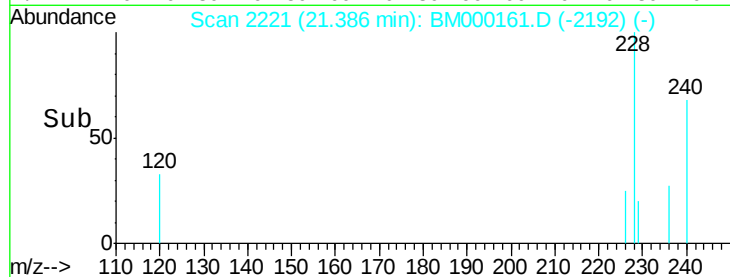
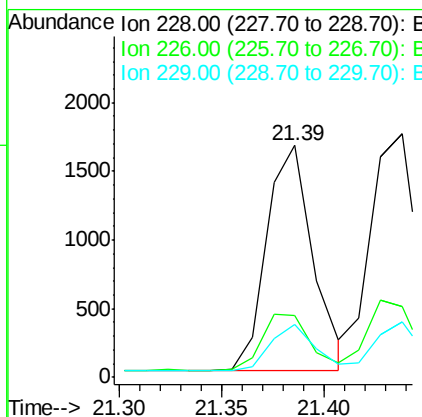
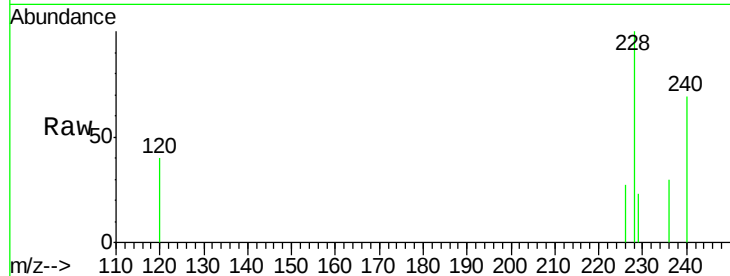
Ion 203.00 (202.70 to 203.70): E





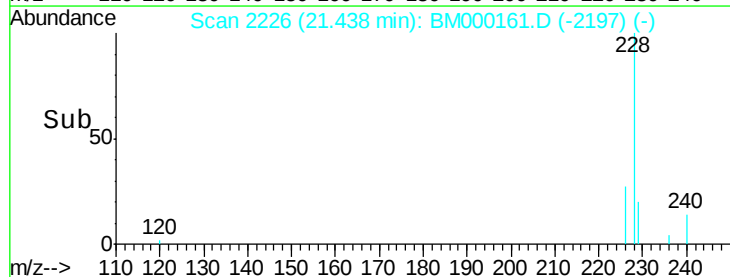
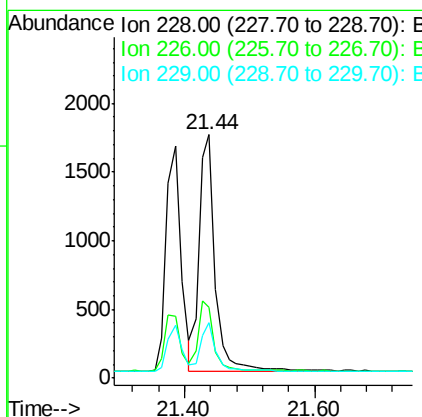
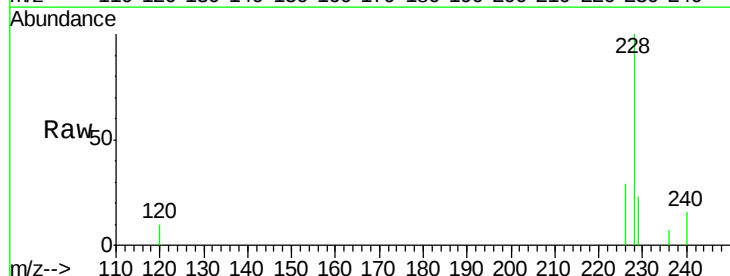
#18
Benzo(a)anthracene
Concen: 0.08 ng/ul
RT: 21.39 min Scan# 2221
Delta R.T. 0.00 min
Lab File: BM000161.D
Acq: 09 Jan 2015 16:40

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



#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





#21

Benzo(b)fluoranthene

Concen: 0.09 ng/ul

RT: 23.00 min Scan# 2376

Delta R.T. 0.00 min

Lab File: BM000161.D

Acq: 09 Jan 2015 16:40

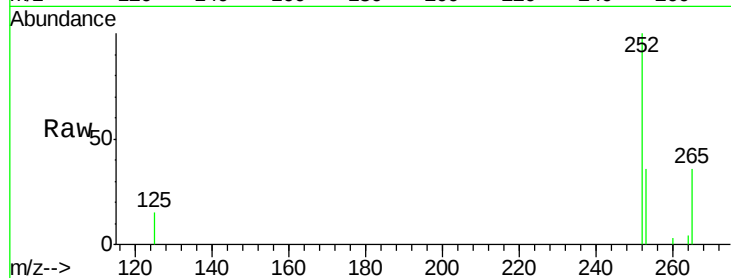
Tgt Ion:252 Resp: 2839

Ion Ratio Lower Upper

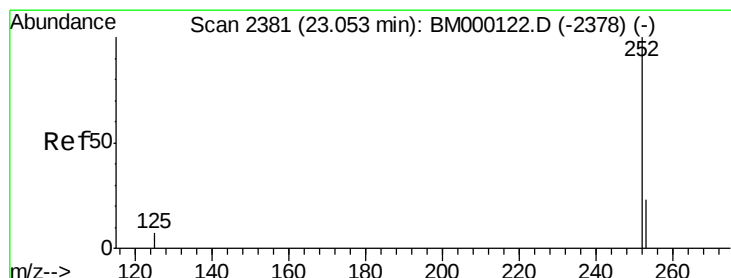
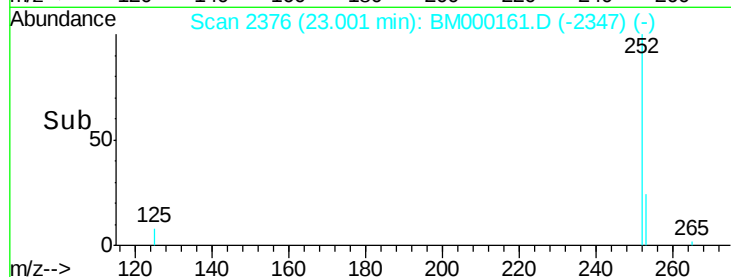
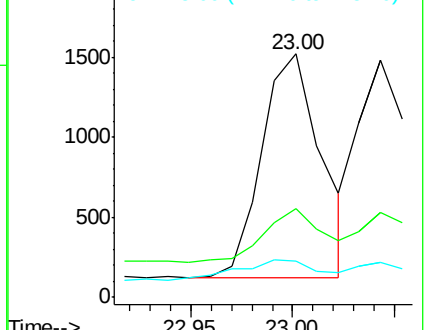
252 100

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/ul

RT: 23.04 min Scan# 2380

Delta R.T. -0.01 min

Lab File: BM000161.D

Acq: 09 Jan 2015 16:40

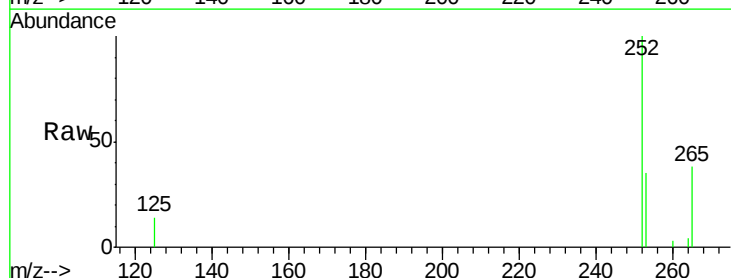
Tgt Ion:252 Resp: 2761

Ion Ratio Lower Upper

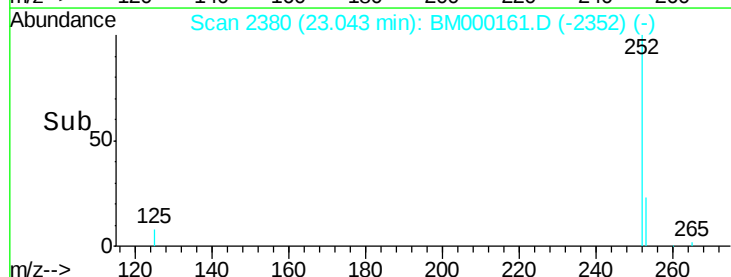
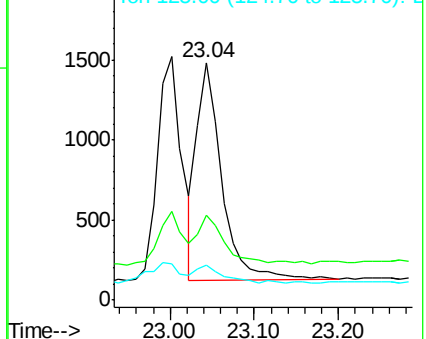
252 100

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

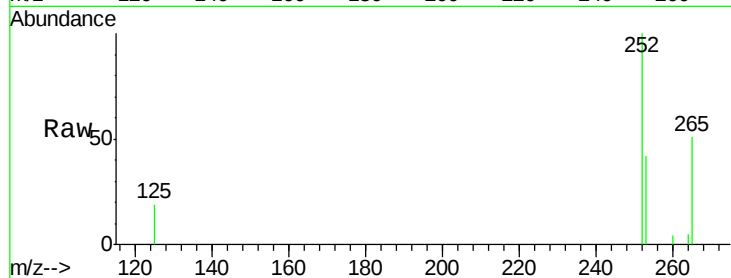
Tgt Ion: 252 Resp: 2710

Ion Ratio Lower Upper

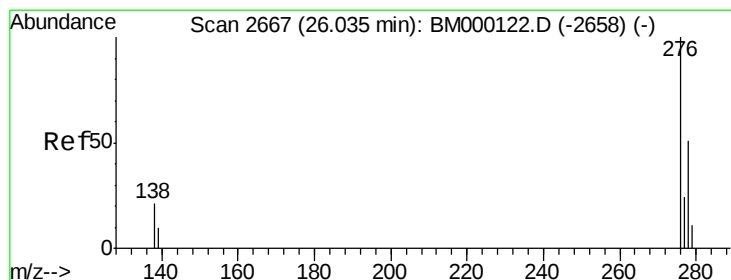
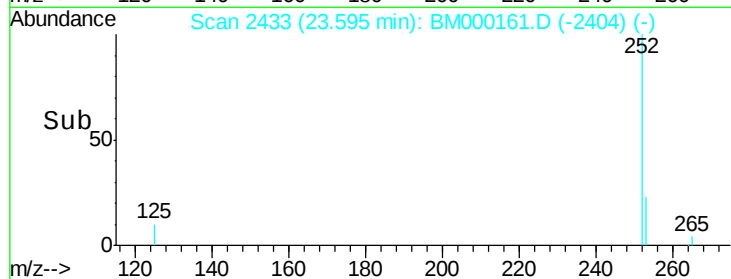
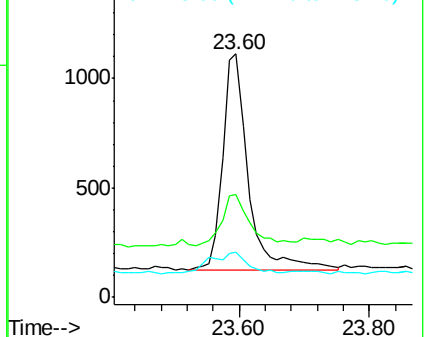
252 100

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

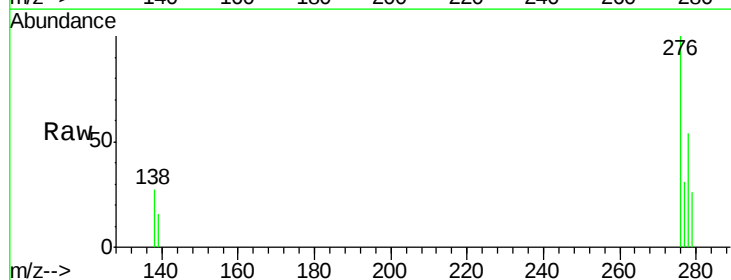
Tgt Ion: 276 Resp: 2945

Ion Ratio Lower Upper

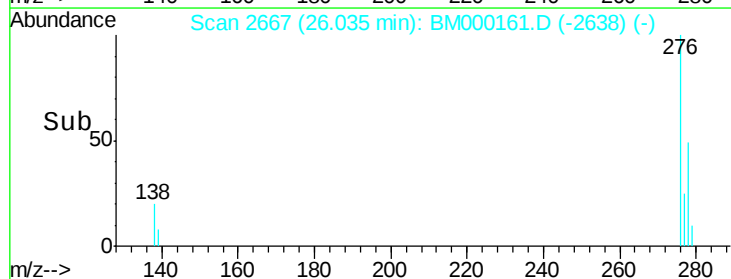
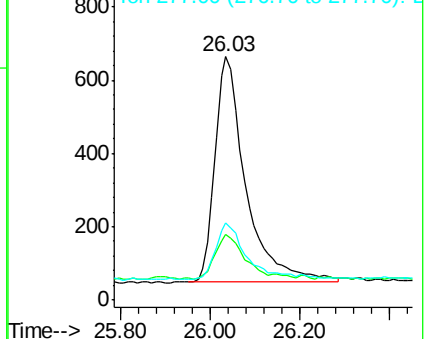
276 100

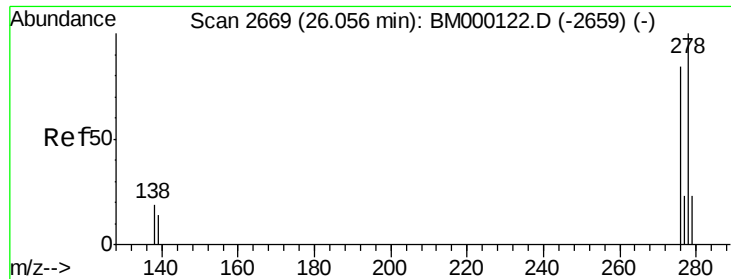
138 19.9 17.6 26.4

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

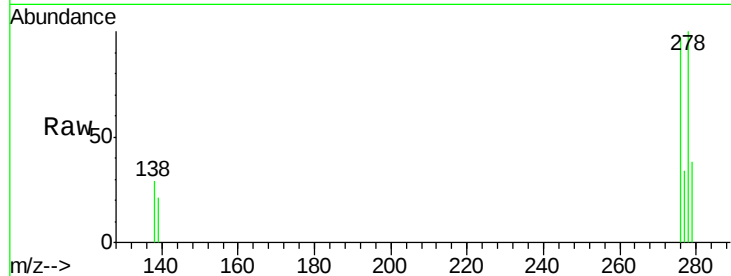
Tgt Ion: 278 Resp: 2279

Ion Ratio Lower Upper

278 100

139 21.3 12.6 18.8#

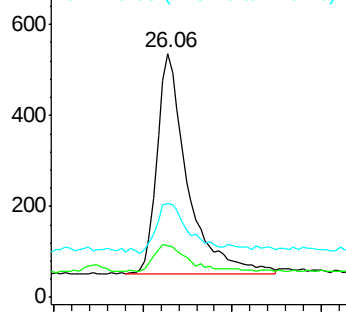
279 38.4 20.6 30.8#



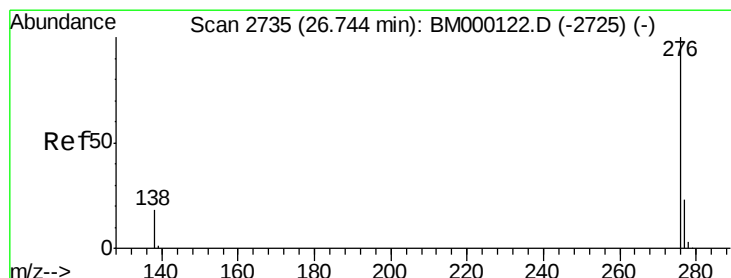
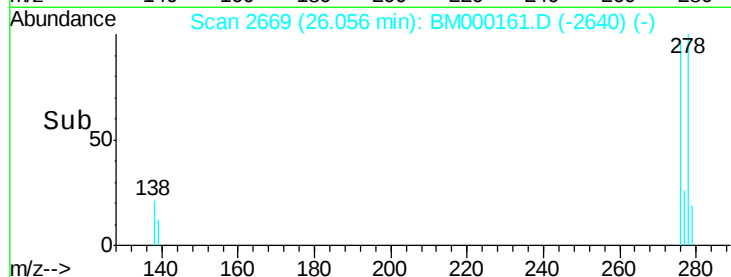
Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



Time--> 25.80 26.00 26.20 26.40



#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

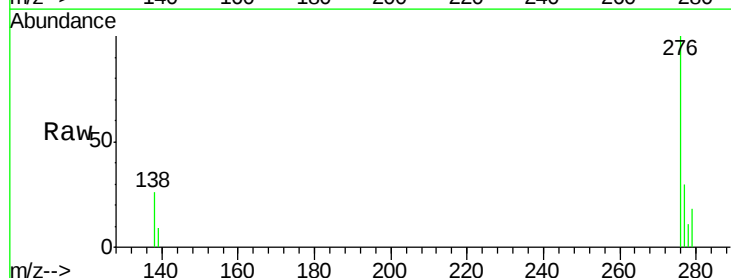
Tgt Ion: 276 Resp: 2635

Ion Ratio Lower Upper

276 100

277 30.3 20.0 30.0#

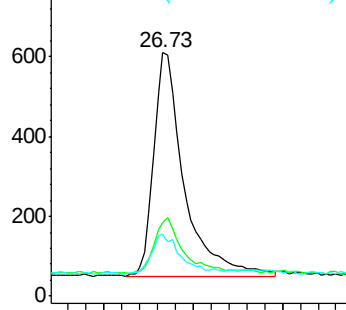
138 25.7 15.7 23.5#



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



Time--> 26.60 26.80 27.00

