

Data Path : Z:\HPCHEM1\BNA_M\Data\BM010815\
 Data File : BM000156.D
 Acq On : 08 Jan 2015 23:50
 Operator : TP/IZ
 Sample : MDL-04-S
 Misc : MDL-SOIL-0.15PPM-SIM
 ALS Vial : 37 Sample Multiplier: 1

Quant Time: Jan 09 01:06:49 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	2534	0.40	ng/ul	0.00
2) Naphthalene-d8	10.62	136	8335	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.47	164	5262	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.21	188	9855	0.40	ng/ul	0.00
16) Chrysene-d12	21.41	240	8545	0.40	ng/ul	0.00
20) Perylene-d12	23.70	264	7832	0.40	ng/ul	0.00

System Monitoring Compounds

4) 2-Methylnaphthalene-d10	12.22	152	3857	0.35	ng/ul	0.00
14) Fluoranthene-d10	19.25	212	6262	0.29	ng/ul	0.00

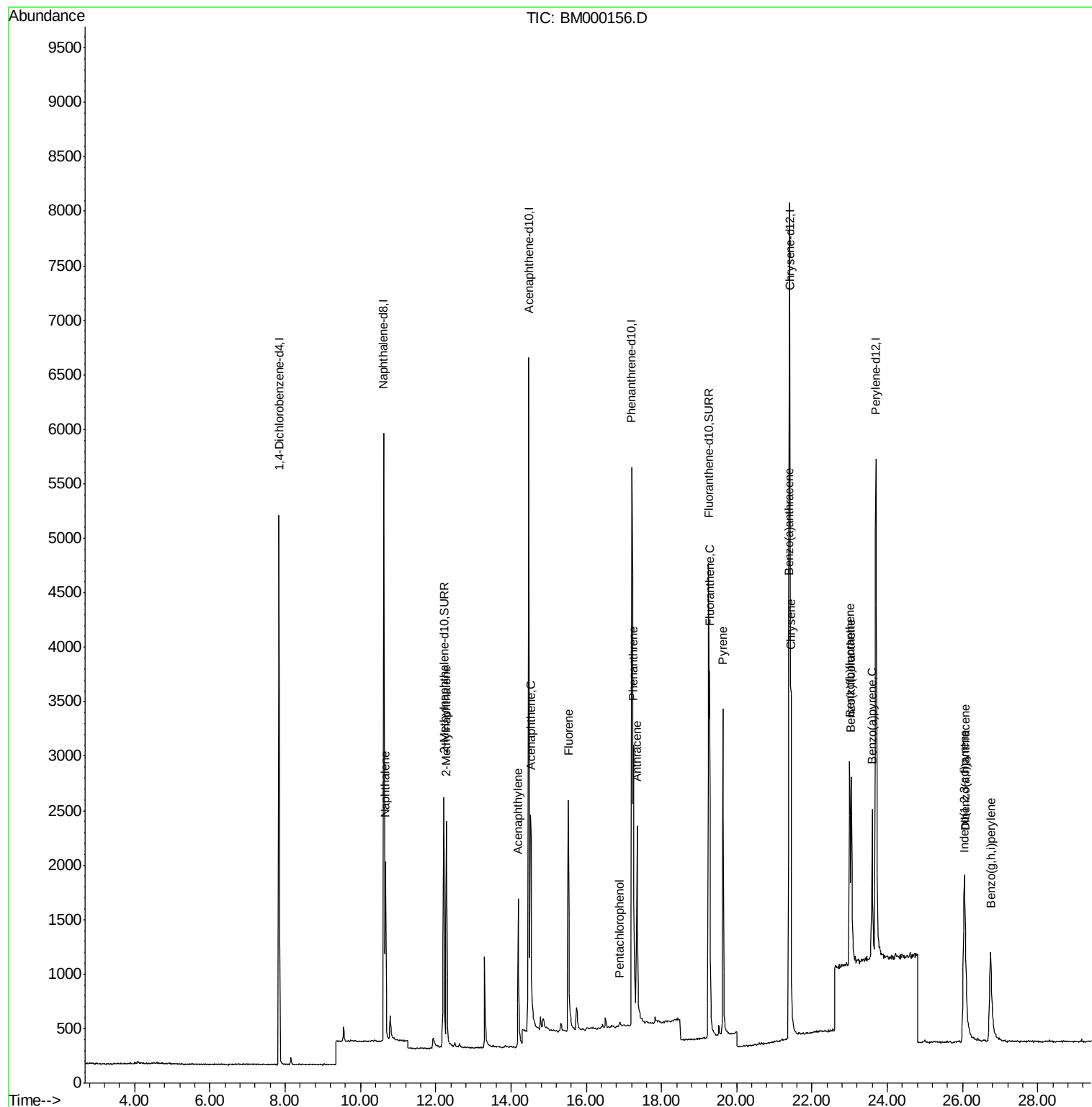
Target Compounds

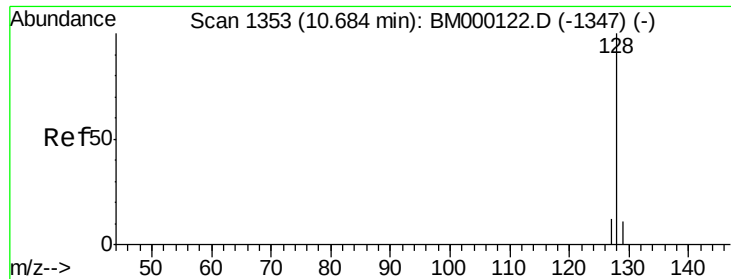
						Qvalue
3) Naphthalene	10.67	128	2417	0.11	ng/ul#	94
5) 2-Methylnaphthalene	12.28	142	1583	0.11	ng/ul	99
7) Acenaphthylene	14.20	152	2591	0.10	ng/ul#	94
8) Acenaphthene	14.52	153	1640	0.10	ng/ul#	82
9) Fluorene	15.52	166	1921	0.10	ng/ul#	99
11) Pentachlorophenol	16.89	266	102	0.07	ng/ul#	78
12) Phenanthrene	17.26	178	3024	0.10	ng/ul#	94
13) Anthracene	17.35	178	2881	0.10	ng/ul#	91
15) Fluoranthene	19.27	202	3455	0.10	ng/ul	95
17) Pyrene	19.64	202	3532	0.10	ng/ul	97
18) Benzo(a)anthracene	21.39	228	2657	0.09	ng/ul	95
19) Chrysene	21.44	228	3151	0.10	ng/ul	97
21) Benzo(b)fluoranthene	23.00	252	2847	0.09	ng/ul	85
22) Benzo(k)fluoranthene	23.04	252	2994	0.10	ng/ul#	85
23) Benzo(a)pyrene	23.60	252	2791	0.10	ng/ul#	76
24) Indeno(1,2,3-cd)pyrene	26.03	276	3127	0.10	ng/ul	98
25) Dibenzo(a,h)anthracene	26.06	278	2481	0.10	ng/ul#	78
26) Benzo(g,h,i)perylene	26.74	276	2765	0.10	ng/ul#	88

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

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Misc : MDL-SOIL-0.15PPM-SIM
ALS Vial : 37 Sample Multiplier: 1

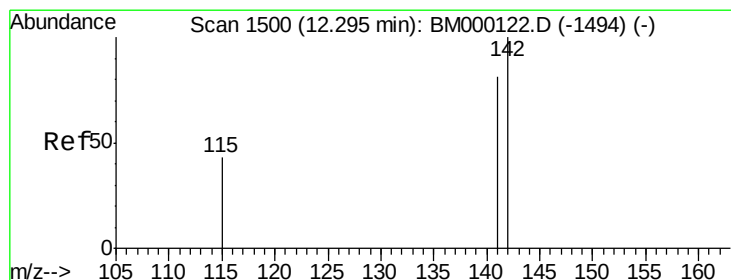
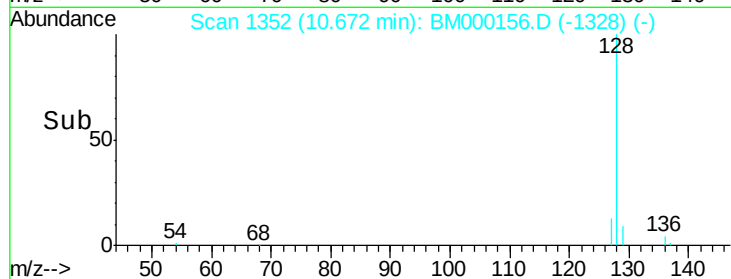
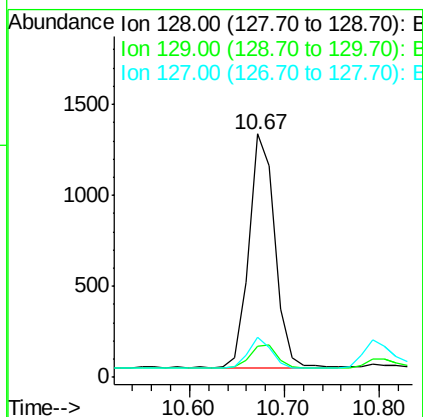
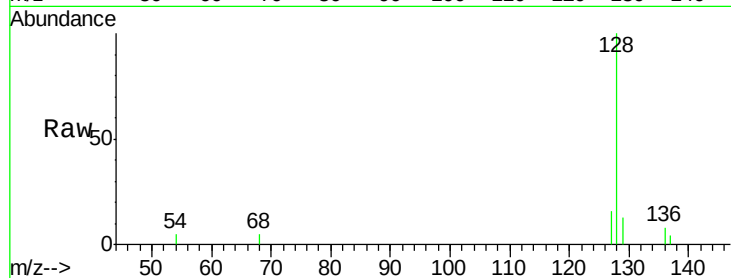
Quant Time: Jan 09 01:06:49 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-SIM-BM010715.M
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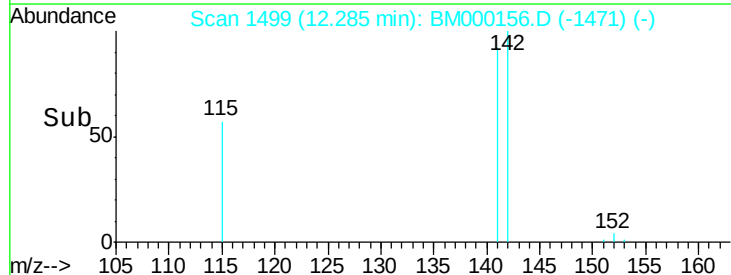
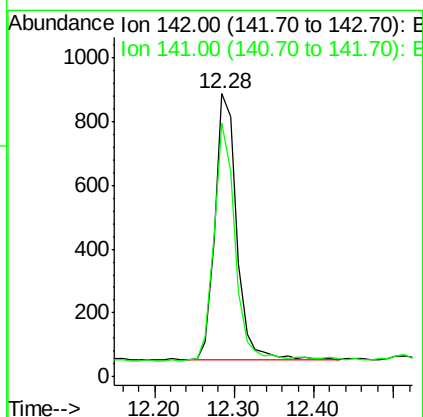
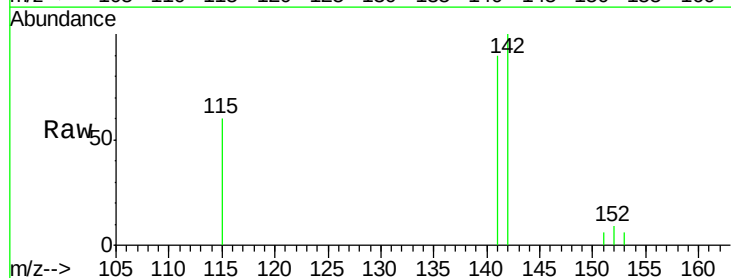
#3
Naphthalene
Concen: 0.11 ng/ul
RT: 10.67 min Scan# 1352
Delta R.T. -0.01 min
Lab File: BM000156.D
Acq: 08 Jan 2015 23:50

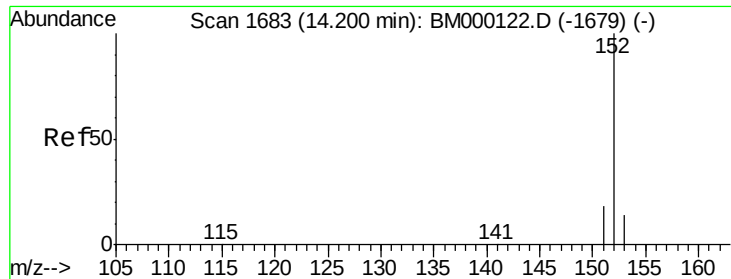
Tgt Ion:128 Resp: 2417
Ion Ratio Lower Upper
128 100
129 12.9 9.5 14.3
127 16.4 10.4 15.6#



#5
2-Methylnaphthalene
Concen: 0.11 ng/ul
RT: 12.28 min Scan# 1499
Delta R.T. -0.01 min
Lab File: BM000156.D
Acq: 08 Jan 2015 23:50

Tgt Ion:142 Resp: 1583
Ion Ratio Lower Upper
142 100
141 86.9 68.9 103.3





#7

Acenaphthylene

Concen: 0.10 ng/ul

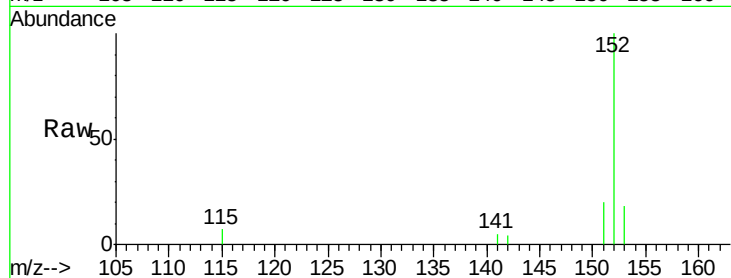
RT: 14.20 min Scan# 1683

Delta R.T. 0.00 min

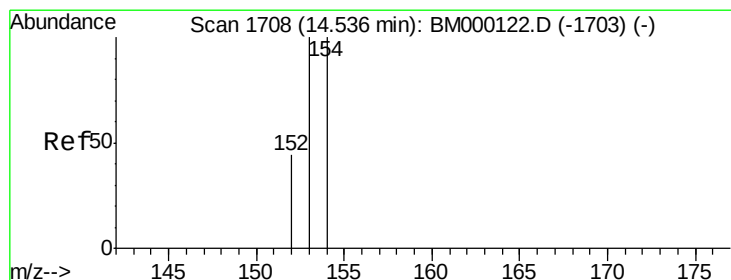
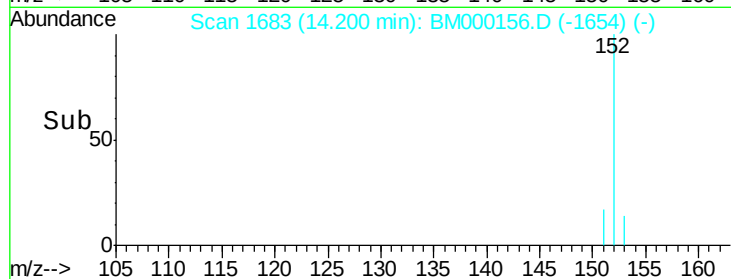
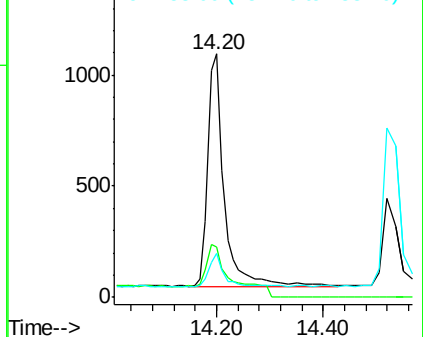
Lab File: BM000156.D

Acq: 08 Jan 2015 23:50

Tgt Ion:	152	Resp:	2591
Ion	Ratio	Lower	Upper
152	100		
151	20.5	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: 0.10 ng/ul

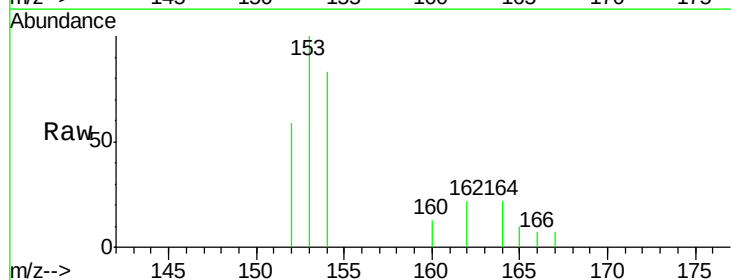
RT: 14.52 min Scan# 1707

Delta R.T. -0.02 min

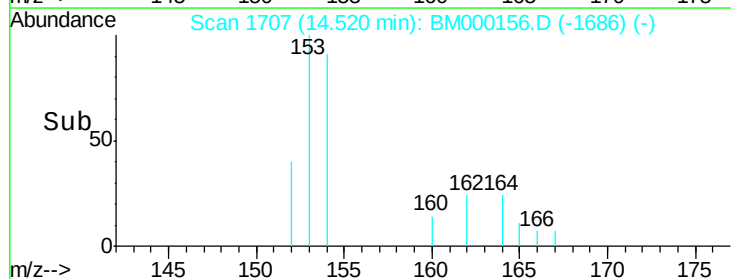
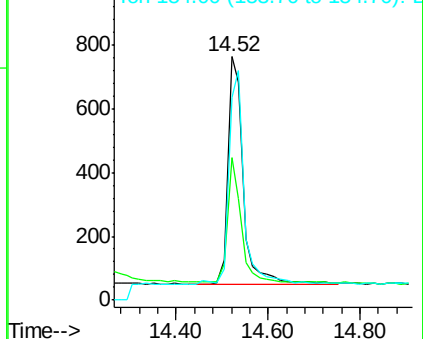
Lab File: BM000156.D

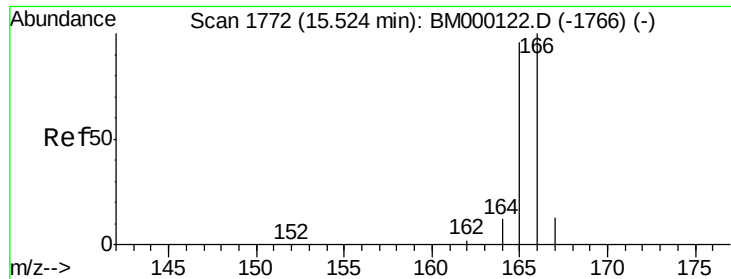
Acq: 08 Jan 2015 23:50

Tgt Ion:	153	Resp:	1640
Ion	Ratio	Lower	Upper
153	100		
152	58.5	35.8	53.6#
154	83.2	79.9	119.9



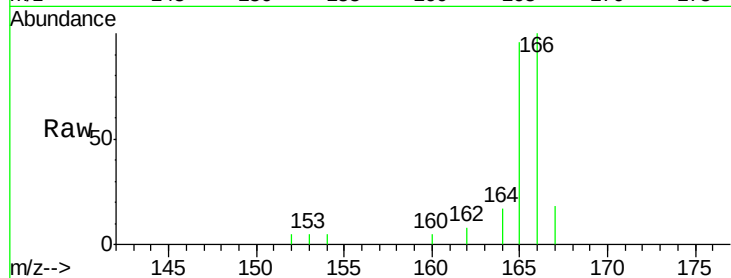
Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E



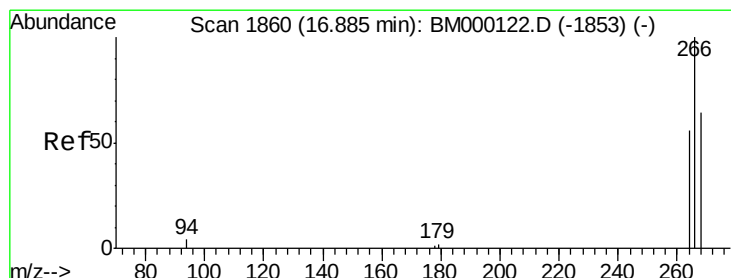
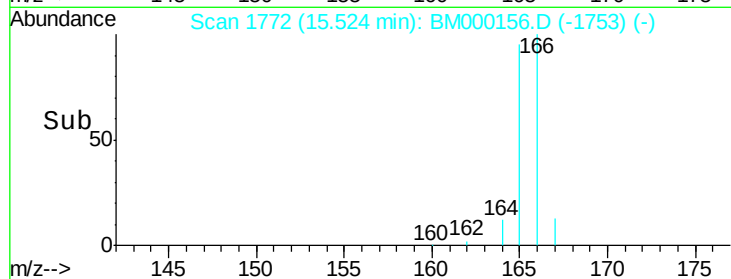
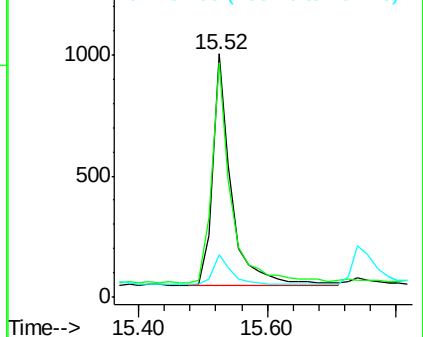


#9
Fluorene
 Concen: 0.10 ng/ul
 RT: 15.52 min Scan# 1772
 Delta R.T. 0.00 min
 Lab File: BM000156.D
 Acq: 08 Jan 2015 23:50

Tgt Ion:166 Resp: 1921
 Ion Ratio Lower Upper
 166 100
 165 96.4 77.0 115.4
 167 17.5 11.0 16.6#

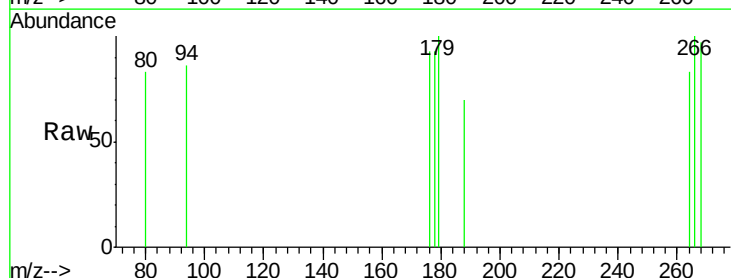


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

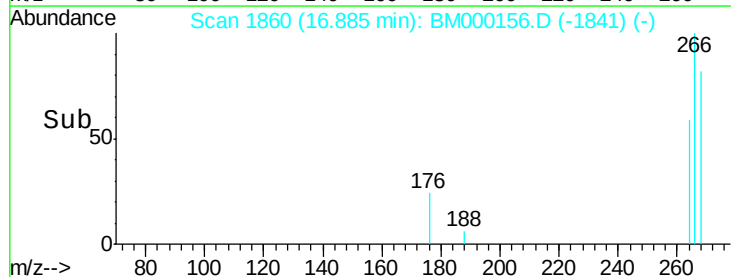
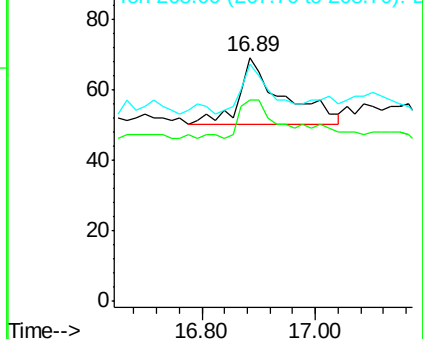


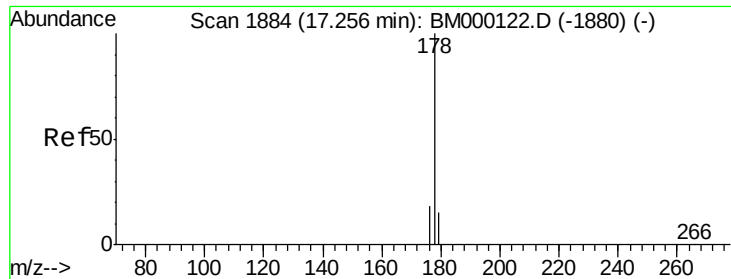
#11
Pentachlorophenol
 Concen: 0.07 ng/ul
 RT: 16.89 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: BM000156.D
 Acq: 08 Jan 2015 23:50

Tgt Ion:266 Resp: 102
 Ion Ratio Lower Upper
 266 100
 264 47.1 53.9 80.9#
 268 48.0 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: 0.10 ng/ul

RT: 17.26 min Scan# 1884

Delta R.T. 0.00 min

Lab File: BM000156.D

Acq: 08 Jan 2015 23:50

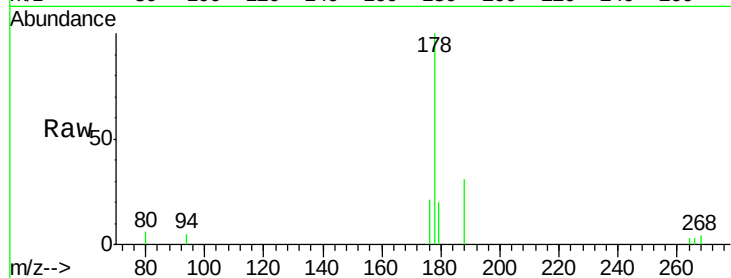
Tgt Ion:178 Resp: 3024

Ion Ratio Lower Upper

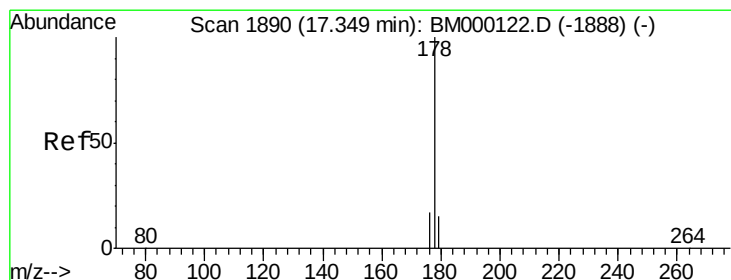
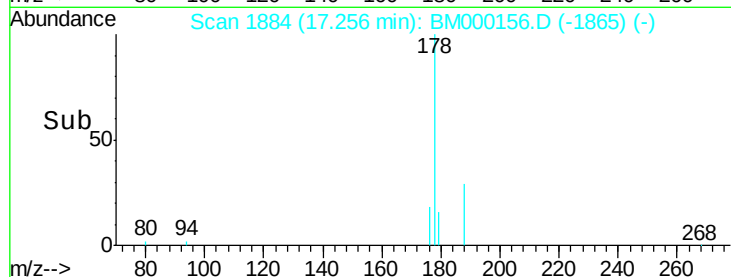
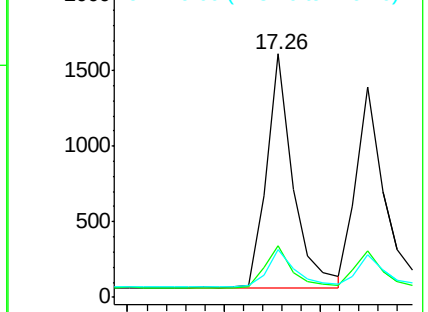
178 100

176 21.0 15.1 22.7

179 19.8 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: 0.10 ng/ul

RT: 17.35 min Scan# 1890

Delta R.T. 0.00 min

Lab File: BM000156.D

Acq: 08 Jan 2015 23:50

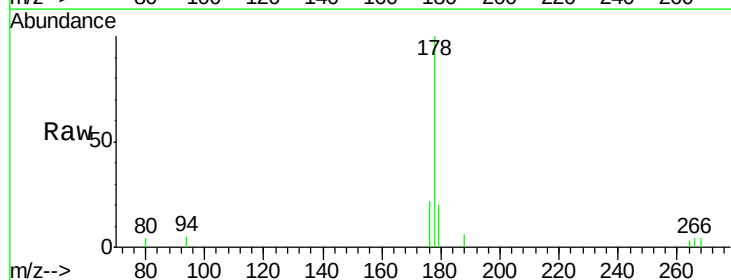
Tgt Ion:178 Resp: 2881

Ion Ratio Lower Upper

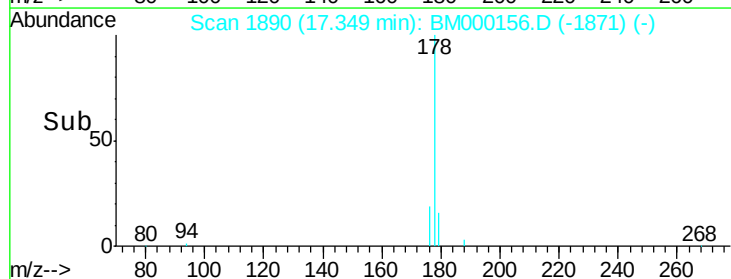
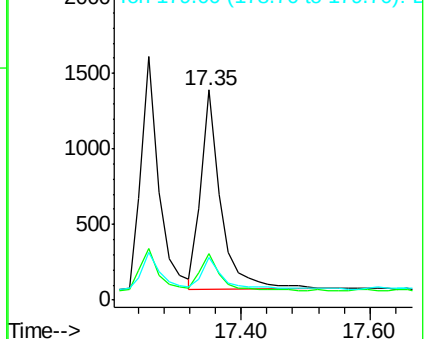
178 100

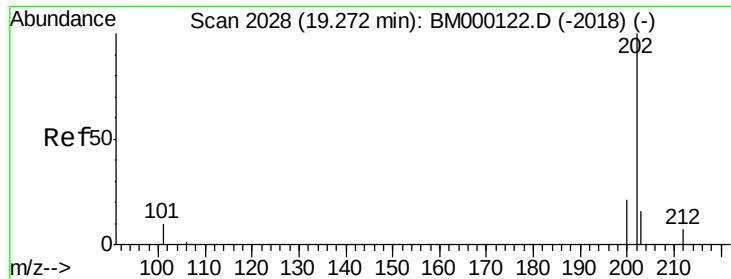
176 22.1 14.6 21.8#

179 20.1 13.1 19.7#



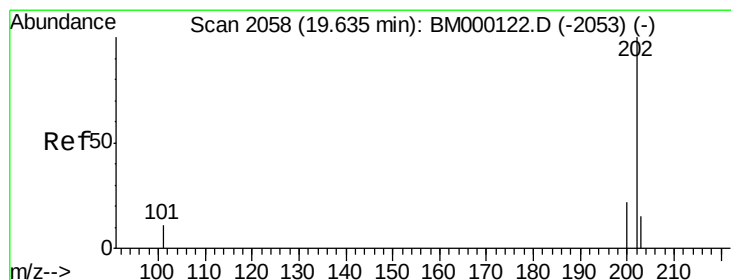
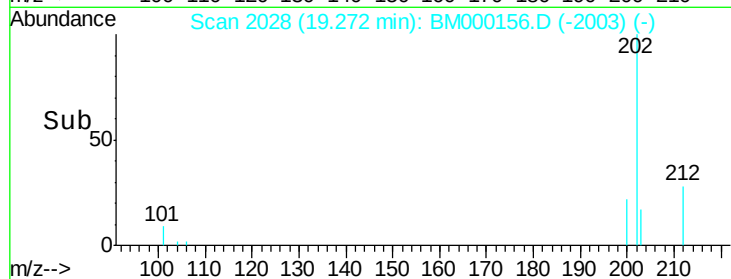
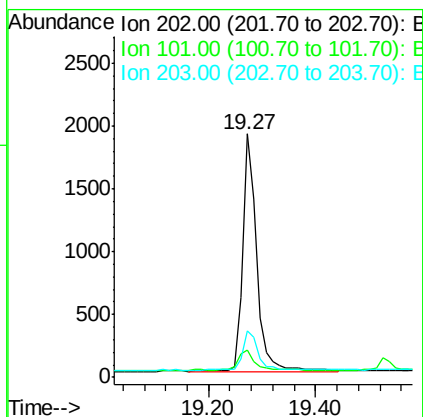
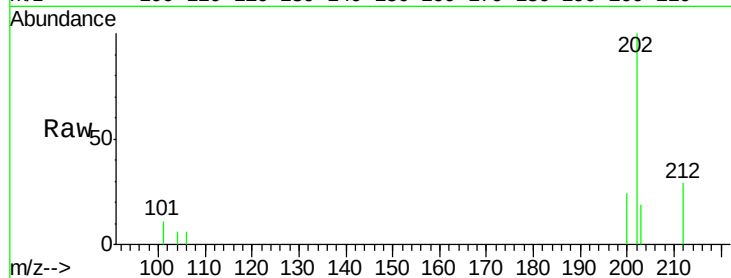
Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





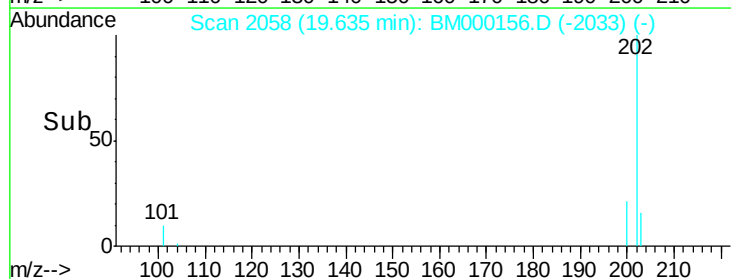
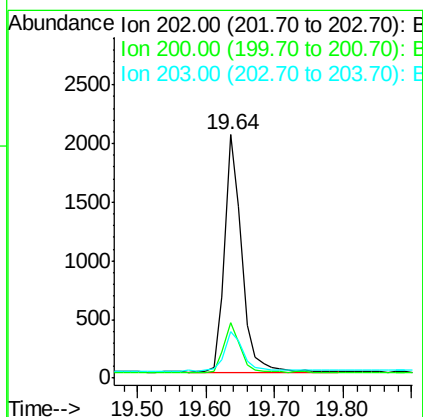
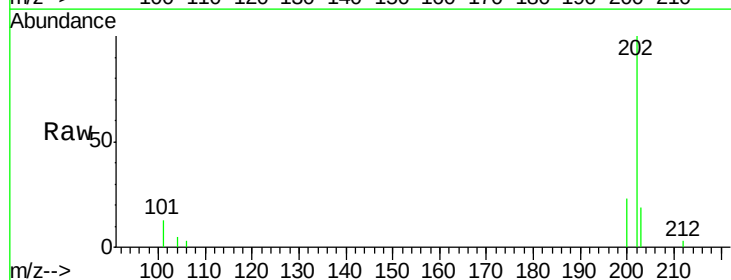
#15
Fluoranthene
Concen: 0.10 ng/ul
RT: 19.27 min Scan# 2028
Delta R.T. 0.00 min
Lab File: BM000156.D
Acq: 08 Jan 2015 23:50

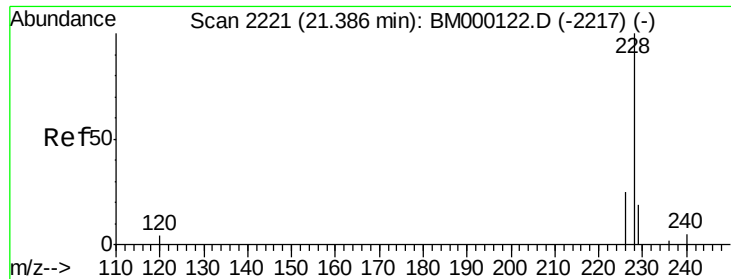
Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.4	0.0	30.5
203	19.2	0.0	36.6



#17
Pyrene
Concen: 0.10 ng/ul
RT: 19.64 min Scan# 2058
Delta R.T. 0.00 min
Lab File: BM000156.D
Acq: 08 Jan 2015 23:50

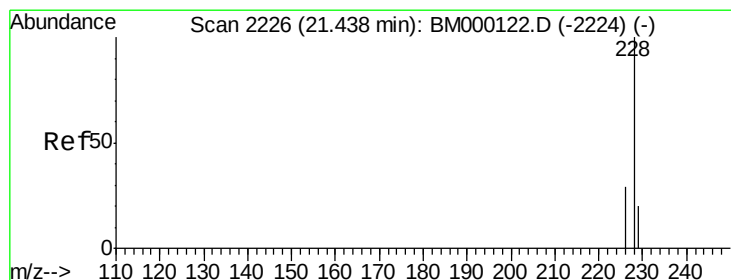
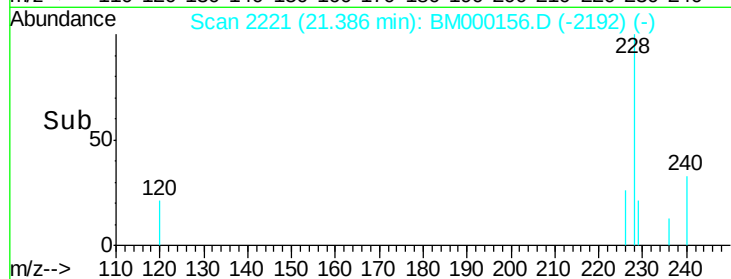
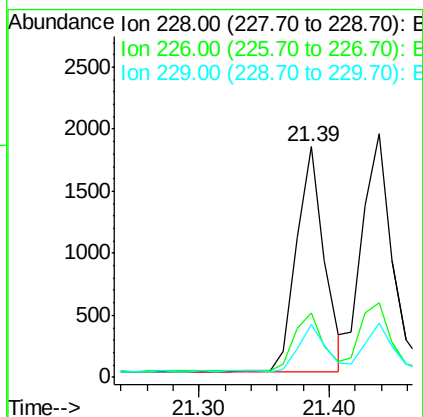
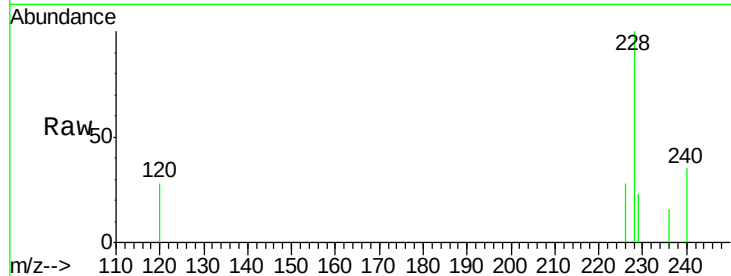
Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.9	17.9	26.9
203	18.9	12.8	19.2





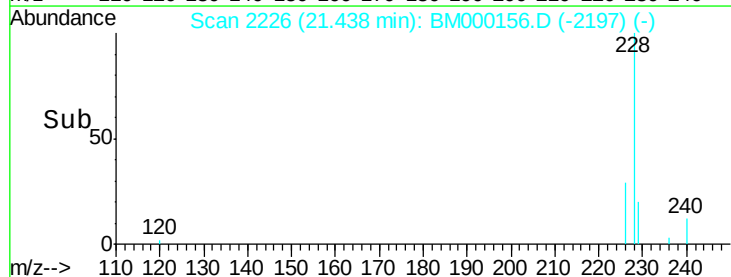
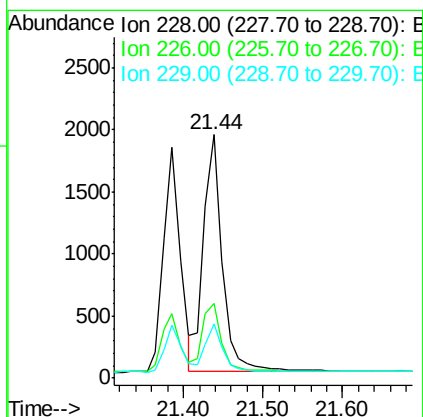
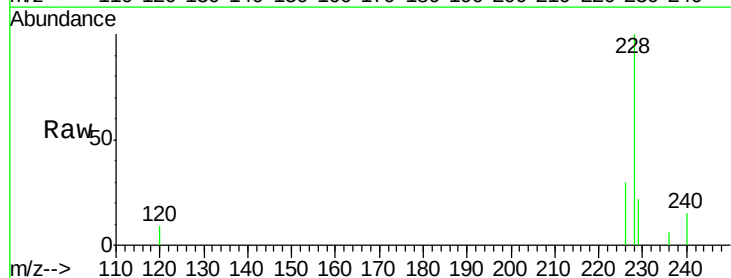
#18
Benzo(a)anthracene
Concen: 0.09 ng/ul
RT: 21.39 min Scan# 2221
Delta R.T. 0.00 min
Lab File: BM000156.D
Acq: 08 Jan 2015 23:50

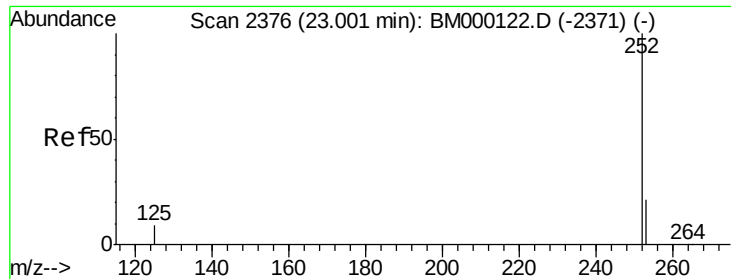
Tgt Ion:228 Resp: 2657
Ion Ratio Lower Upper
228 100
226 27.8 20.8 31.2
229 22.8 15.5 23.3



#19
Chrysene
Concen: 0.10 ng/ul
RT: 21.44 min Scan# 2226
Delta R.T. 0.00 min
Lab File: BM000156.D
Acq: 08 Jan 2015 23:50

Tgt Ion:228 Resp: 3151
Ion Ratio Lower Upper
228 100
226 30.5 23.8 35.6
229 22.3 15.8 23.8





#21

Benzo(b)fluoranthene

Concen: 0.09 ng/ul

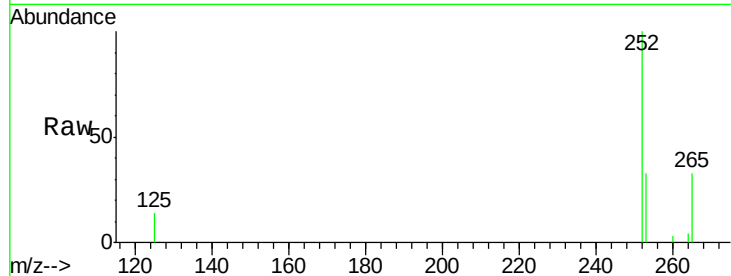
RT: 23.00 min Scan# 2376

Delta R.T. 0.00 min

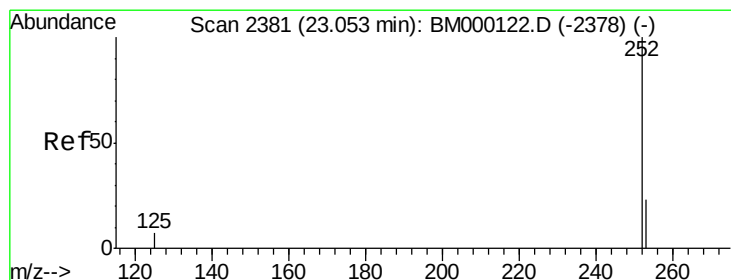
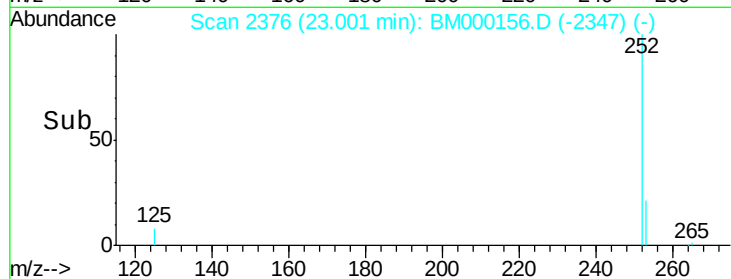
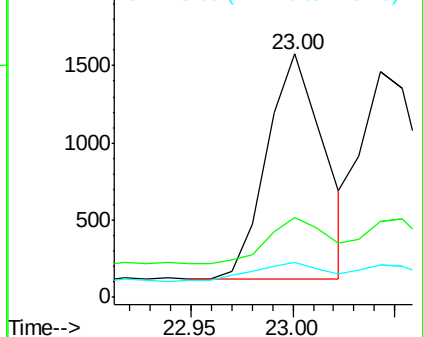
Lab File: BM000156.D

Acq: 08 Jan 2015 23:50

Tgt Ion:	252	Resp:	2847
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/ul

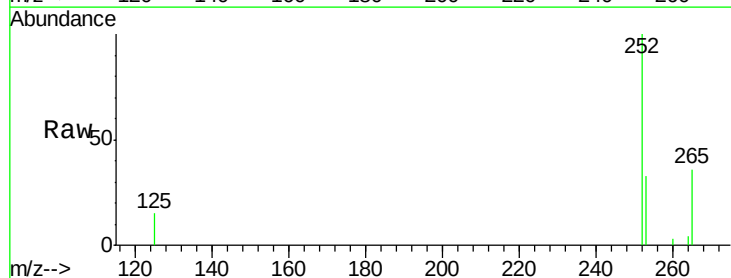
RT: 23.04 min Scan# 2380

Delta R.T. -0.01 min

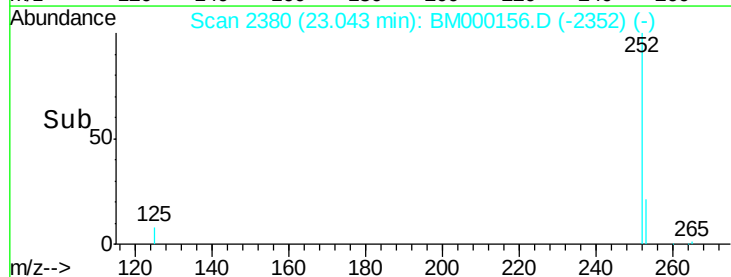
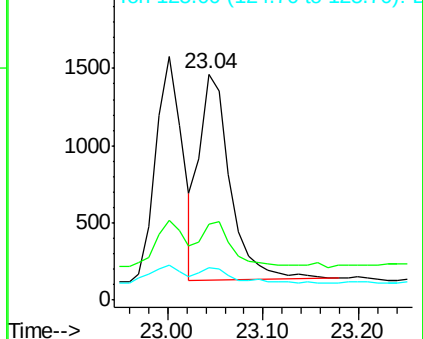
Lab File: BM000156.D

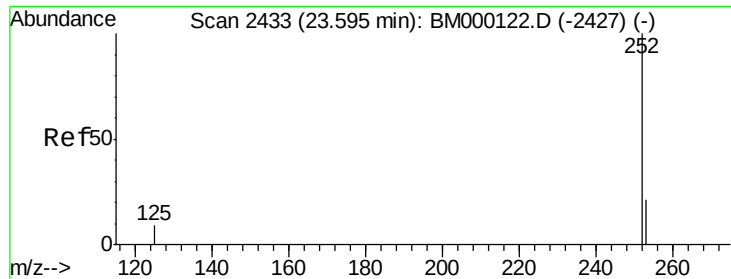
Acq: 08 Jan 2015 23:50

Tgt Ion:	252	Resp:	2994
Ion	Ratio	Lower	Upper
252	100		
253	33.3	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: 0.10 ng/ul

RT: 23.60 min Scan# 2433

Delta R.T. 0.00 min

Lab File: BM000156.D

Acq: 08 Jan 2015 23:50

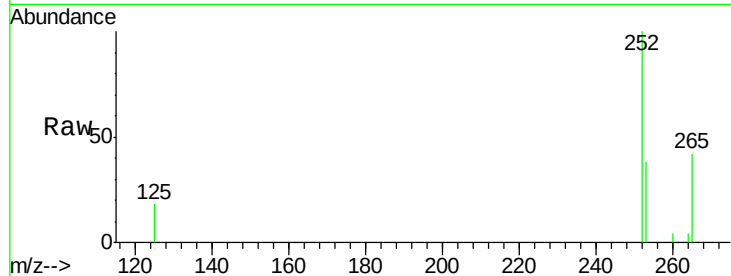
Tgt Ion: 252 Resp: 2791

Ion Ratio Lower Upper

252 100

253 38.4 19.8 29.6#

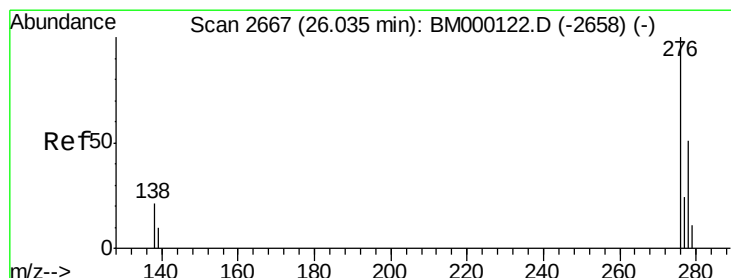
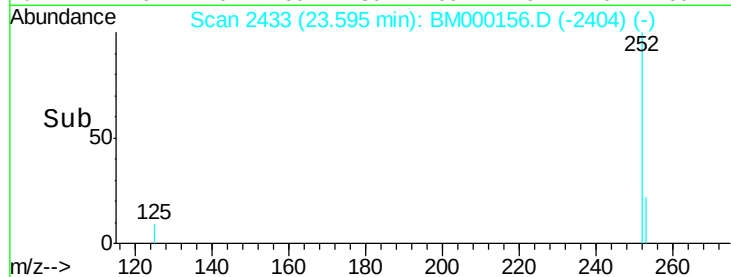
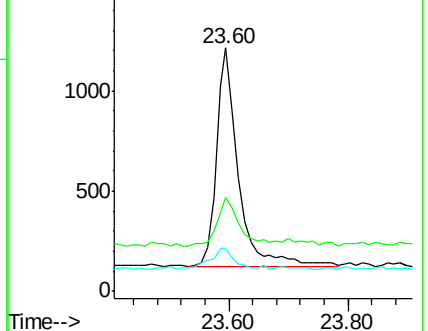
125 17.8 9.2 13.8#



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: 0.10 ng/ul

RT: 26.03 min Scan# 2667

Delta R.T. 0.00 min

Lab File: BM000156.D

Acq: 08 Jan 2015 23:50

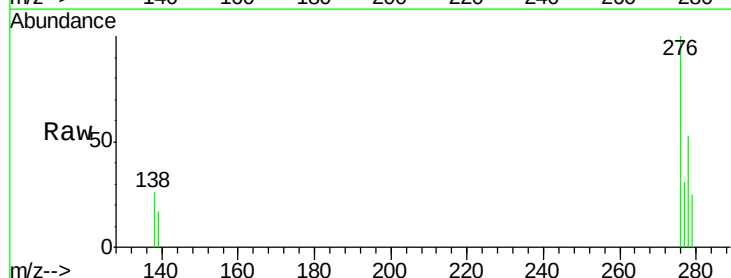
Tgt Ion: 276 Resp: 3127

Ion Ratio Lower Upper

276 100

138 19.9 17.6 26.4

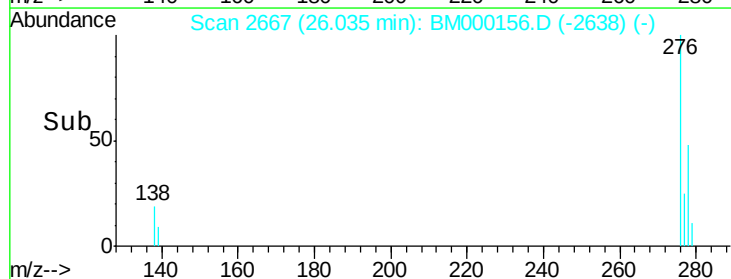
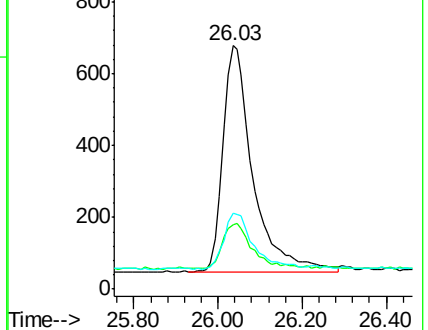
277 25.2 19.9 29.9

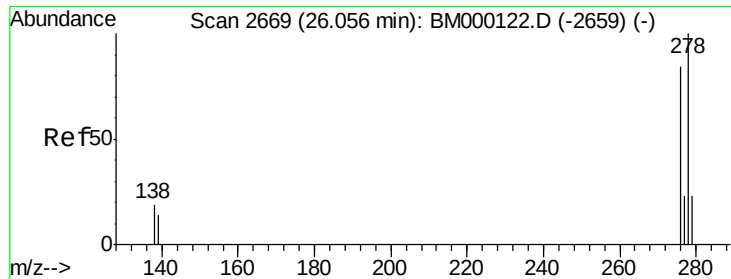


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

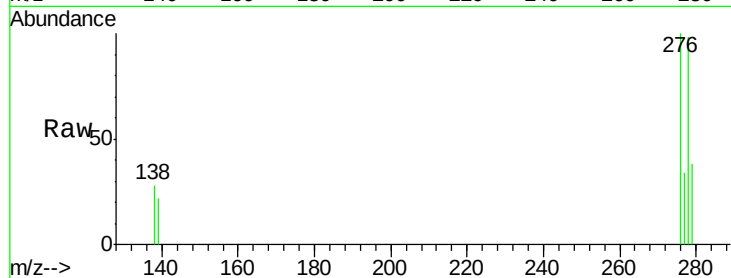
Ion 277.00 (276.70 to 277.70): E



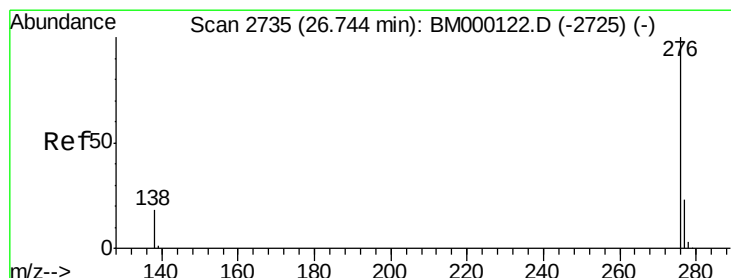
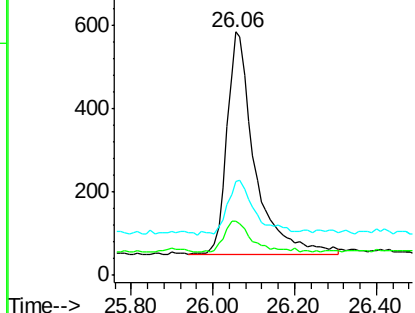
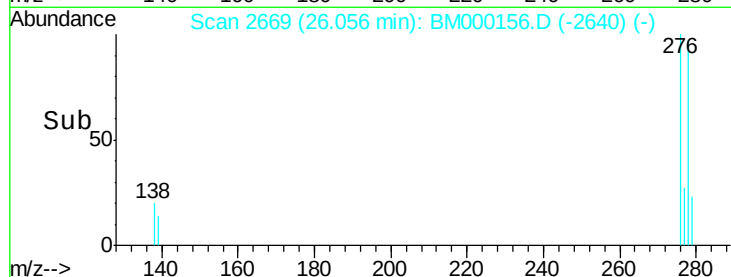


#25
 Dibenzo(a,h)anthracene
 Concen: 0.10 ng/ul
 RT: 26.06 min Scan# 2669
 Delta R.T. 0.00 min
 Lab File: BM000156.D
 Acq: 08 Jan 2015 23:50

Tgt Ion: 278 Resp: 2481
 Ion Ratio Lower Upper
 278 100
 139 22.4 12.6 18.8#
 279 38.4 20.6 30.8#

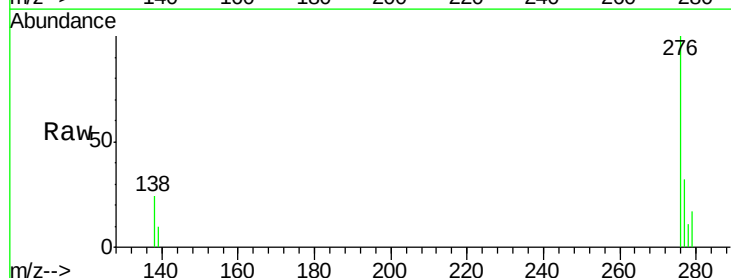


Abundance Ion 278.00 (277.70 to 278.70): E
 Ion 139.00 (138.70 to 139.70): E
 Ion 279.00 (278.70 to 279.70): E



#26
 Benzo(g,h,i)perylene
 Concen: 0.10 ng/ul
 RT: 26.74 min Scan# 2735
 Delta R.T. 0.00 min
 Lab File: BM000156.D
 Acq: 08 Jan 2015 23:50

Tgt Ion: 276 Resp: 2765
 Ion Ratio Lower Upper
 276 100
 277 32.3 20.0 30.0#
 138 23.5 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

