

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM010915\
 Data File : BM000159.D
 Acq On : 09 Jan 2015 15:29
 Operator : TP/IZ
 Sample : MDL-04-S
 Misc : MDL-SOIL-0.15PPM-SIM
 ALS Vial : 37 Sample Multiplier: 1

Quant Time: Jan 09 22:11:14 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	2793	0.40	ng/ul	0.00
2) Naphthalene-d8	10.62	136	9272	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.47	164	5728	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.21	188	10757	0.40	ng/ul	0.00
16) Chrysene-d12	21.41	240	9303	0.40	ng/ul	0.00
20) Perylene-d12	23.69	264	8504	0.40	ng/ul	-0.01

System Monitoring Compounds

4) 2-Methylnaphthalene-d10	12.21	152	4295	0.35	ng/ul	-0.01
14) Fluoranthene-d10	19.25	212	6852	0.30	ng/ul	0.00

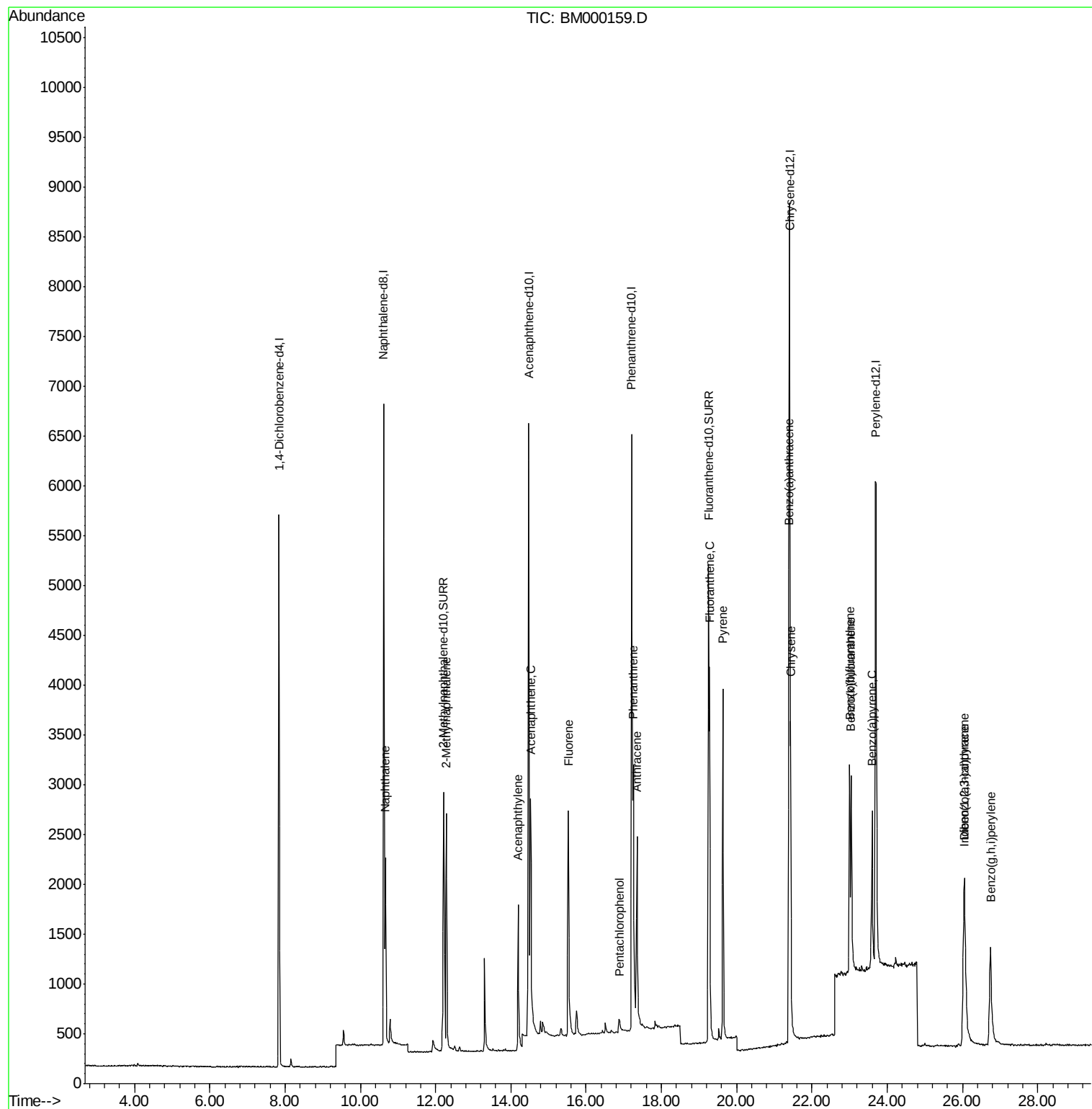
Target Compounds

						Qvalue
3) Naphthalene	10.67	128	2665	0.11	ng/ul#	94
5) 2-Methylnaphthalene	12.28	142	1701	0.10	ng/ul	99
7) Acenaphthylene	14.19	152	2772	0.10	ng/ul#	92
8) Acenaphthene	14.52	153	1809	0.10	ng/ul#	83
9) Fluorene	15.52	166	2105	0.10	ng/ul#	98
11) Pentachlorophenol	16.89	266	266	0.16	ng/ul#	78
12) Phenanthrene	17.26	178	3232	0.10	ng/ul#	93
13) Anthracene	17.35	178	3073	0.10	ng/ul#	93
15) Fluoranthene	19.27	202	3754	0.10	ng/ul	96
17) Pyrene	19.64	202	3915	0.10	ng/ul#	96
18) Benzo(a)anthracene	21.39	228	2978	0.10	ng/ul	97
19) Chrysene	21.44	228	3430	0.10	ng/ul	97
21) Benzo(b)fluoranthene	23.00	252	3228	0.10	ng/ul	82
22) Benzo(k)fluoranthene	23.04	252	3222	0.10	ng/ul#	86
23) Benzo(a)pyrene	23.60	252	3018	0.10	ng/ul#	78
24) Indeno(1,2,3-cd)pyrene	26.03	276	3399	0.10	ng/ul	98
25) Dibenzo(a,h)anthracene	26.06	278	2614	0.10	ng/ul#	81
26) Benzo(g,h,i)perylene	26.74	276	3026	0.10	ng/ul#	91

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

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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: BM000159.D

Acq: 09 Jan 2015 15:29

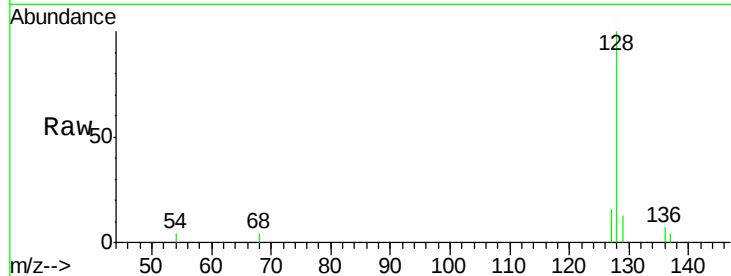
Tgt Ion:128 Resp: 2665

Ion Ratio Lower Upper

128 100

129 13.2 9.5 14.3

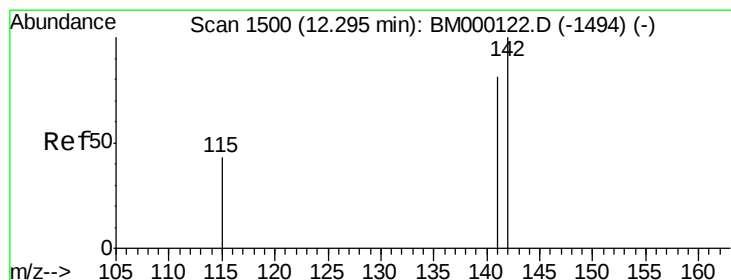
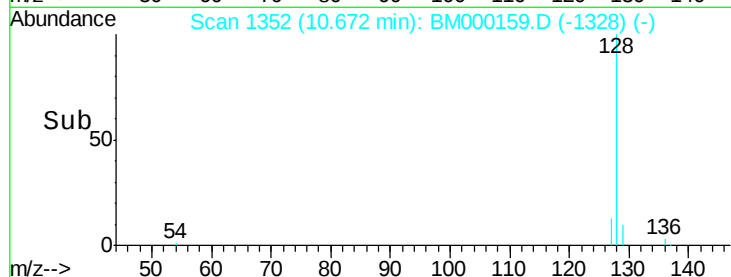
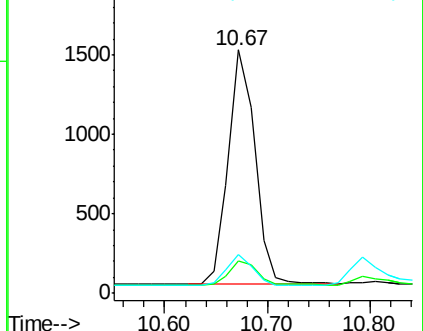
127 16.1 10.4 15.6#



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: BM000159.D

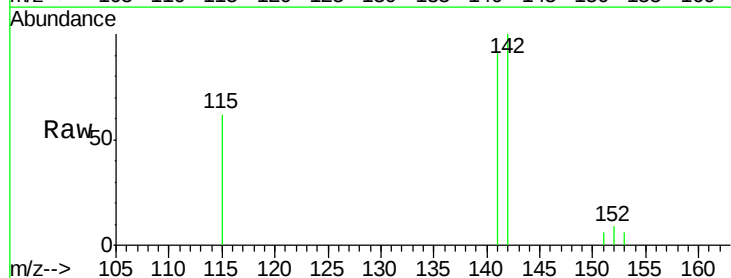
Acq: 09 Jan 2015 15:29

Tgt Ion:142 Resp: 1701

Ion Ratio Lower Upper

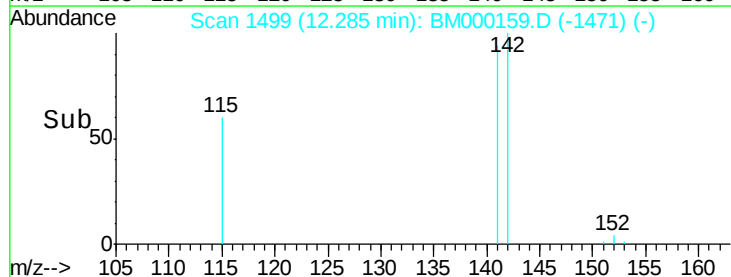
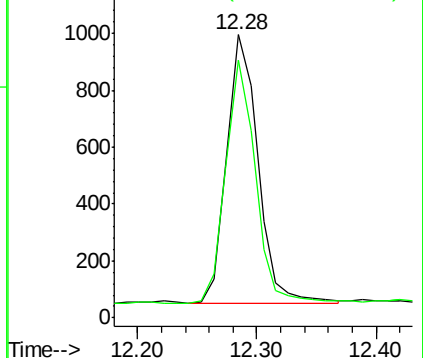
142 100

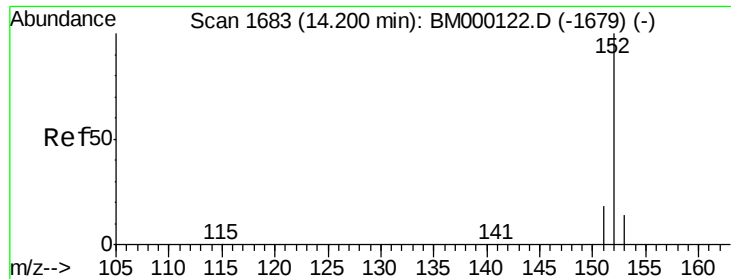
141 87.3 68.9 103.3



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.10 ng/ul

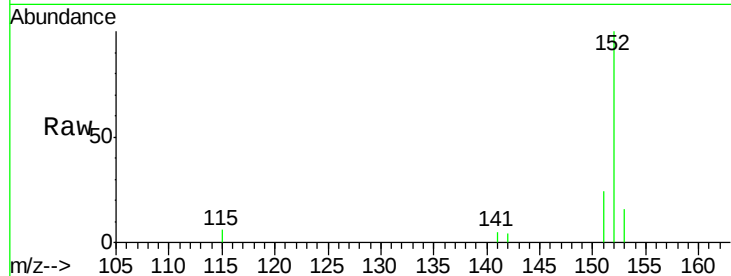
RT: 14.19 min Scan# 1682

Delta R.T. -0.01 min

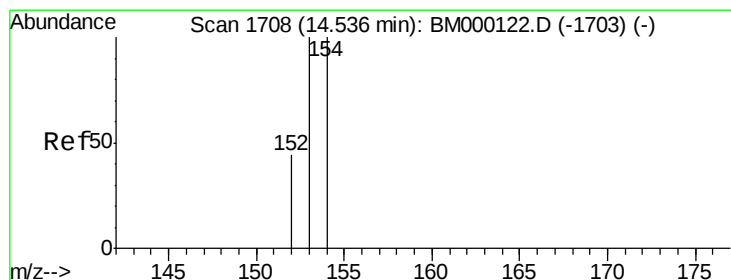
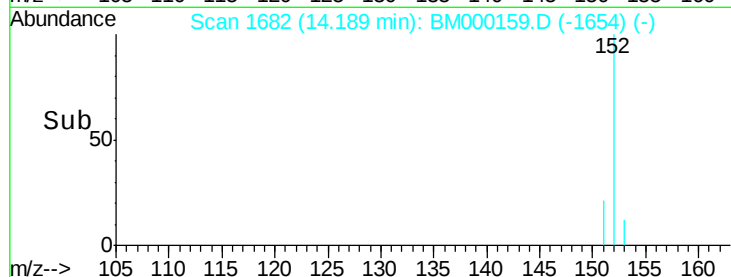
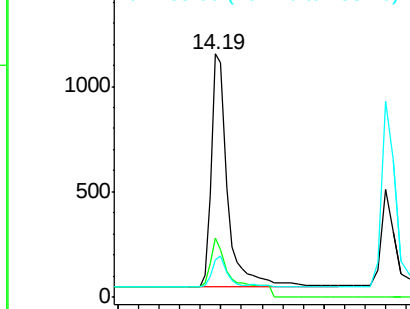
Lab File: BM000159.D

Acq: 09 Jan 2015 15:29

Tgt Ion:	152	Resp:	2772
Ion	Ratio	Lower	Upper
152	100		
151	24.4	15.4	23.2#
153	15.6	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

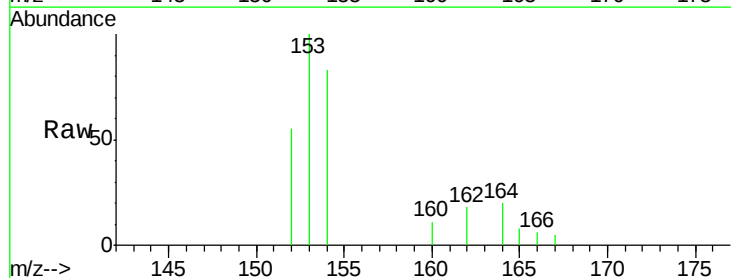
RT: 14.52 min Scan# 1707

Delta R.T. -0.02 min

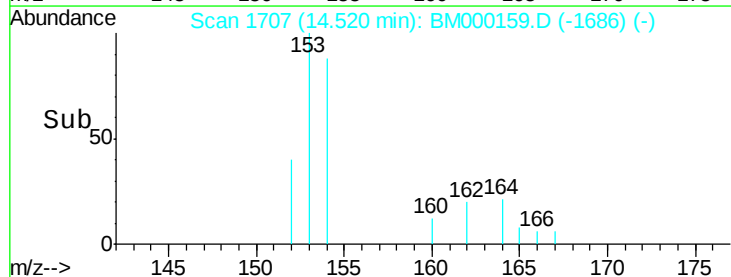
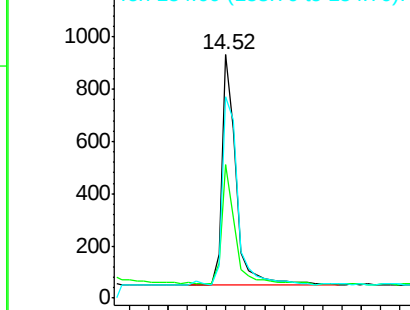
Lab File: BM000159.D

Acq: 09 Jan 2015 15:29

Tgt Ion:	153	Resp:	1809
Ion	Ratio	Lower	Upper
153	100		
152	54.9	35.8	53.6#
154	82.5	79.9	119.9



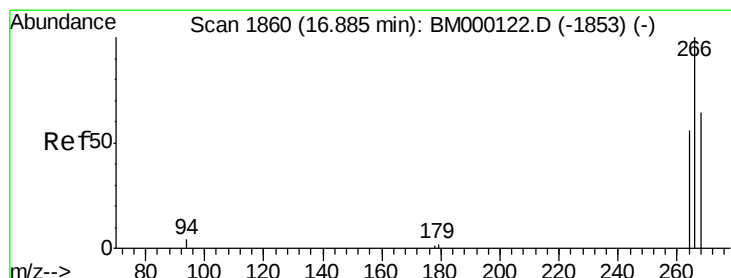
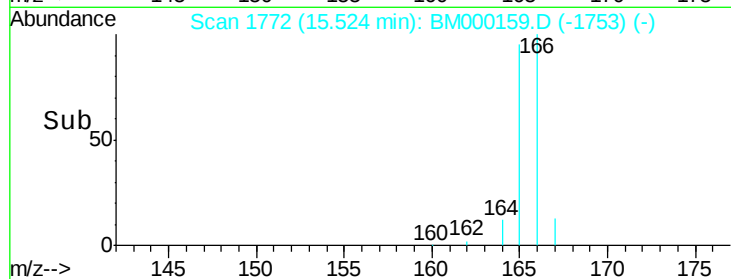
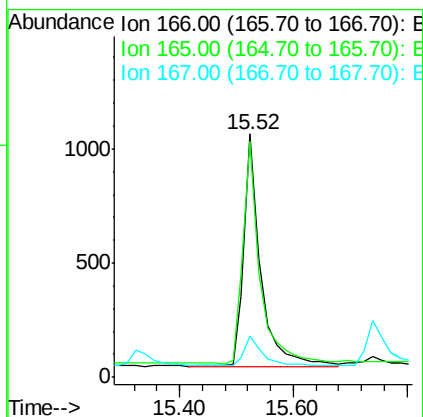
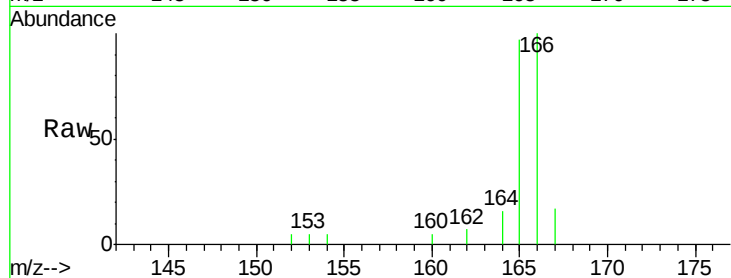
Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E





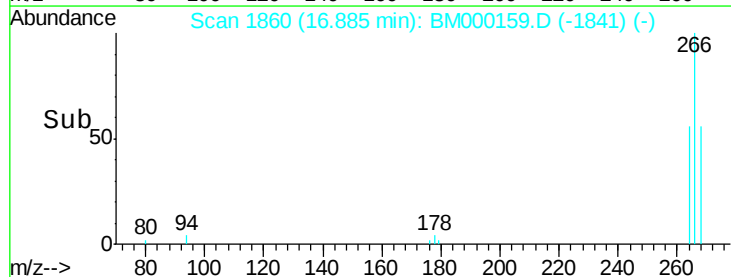
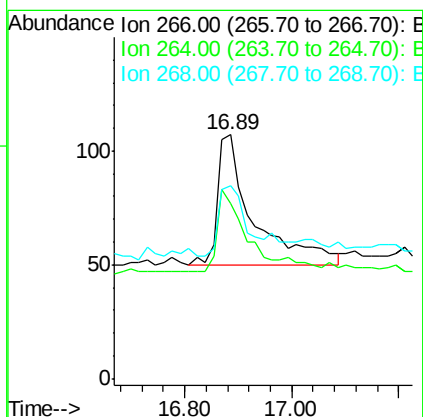
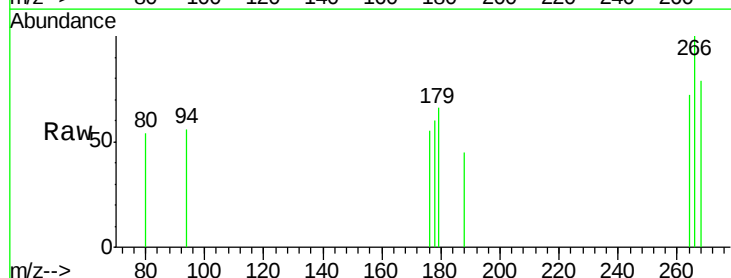
#9
Fluorene
 Concen: 0.10 ng/ul
 RT: 15.52 min Scan# 1772
 Delta R.T. 0.00 min
 Lab File: BM000159.D
 Acq: 09 Jan 2015 15:29

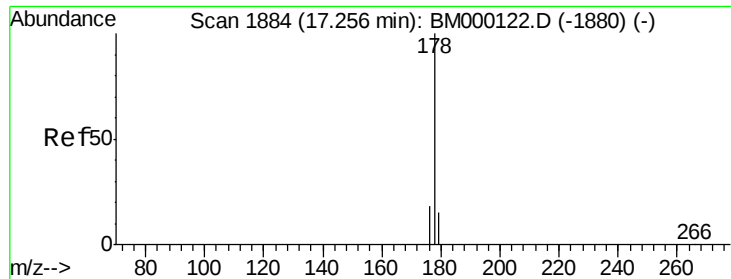
Tgt Ion:166 Resp: 2105
 Ion Ratio Lower Upper
 166 100
 165 96.8 77.0 115.4
 167 17.1 11.0 16.6#



#11
Pentachlorophenol
 Concen: 0.16 ng/ul
 RT: 16.89 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: BM000159.D
 Acq: 09 Jan 2015 15:29

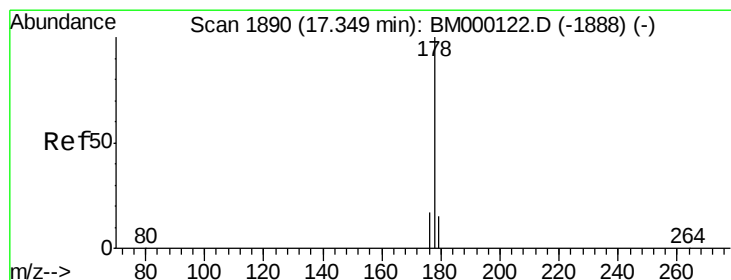
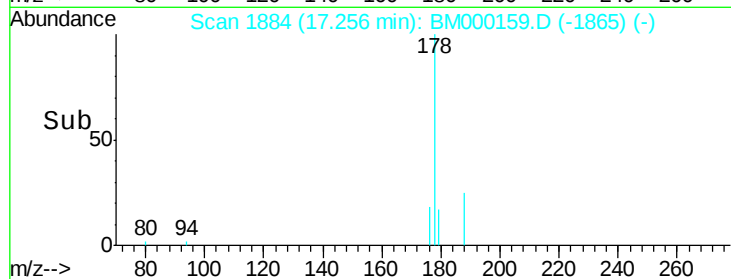
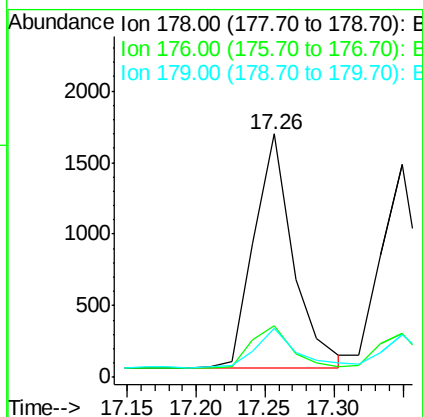
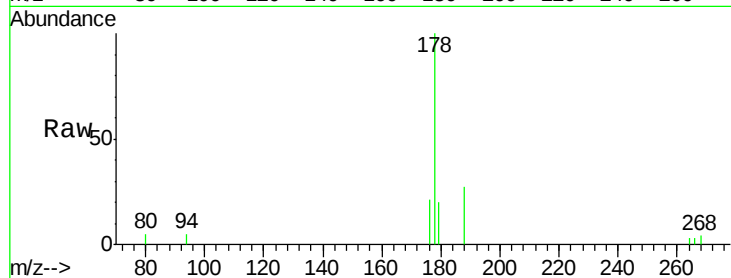
Tgt Ion:266 Resp: 266
 Ion Ratio Lower Upper
 266 100
 264 54.9 53.9 80.9
 268 39.8 49.2 73.8#





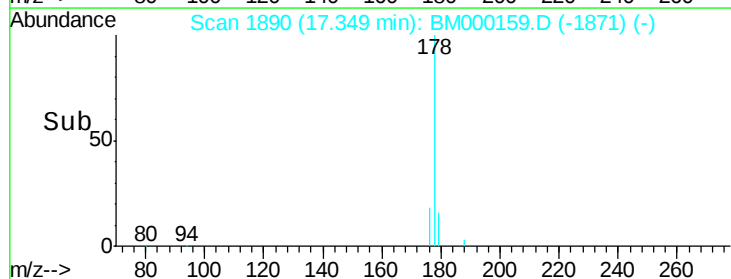
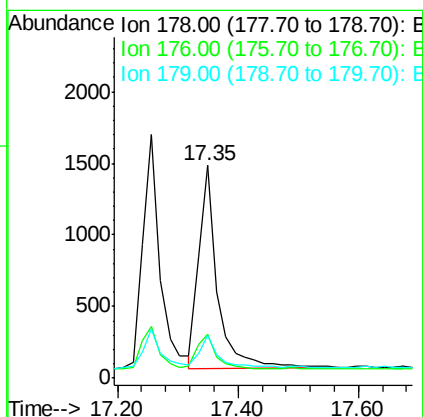
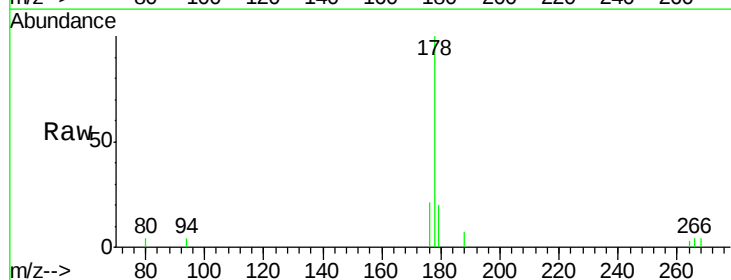
#12
Phenanthrene
Concen: 0.10 ng/ul
RT: 17.26 min Scan# 1884
Delta R.T. 0.00 min
Lab File: BM000159.D
Acq: 09 Jan 2015 15:29

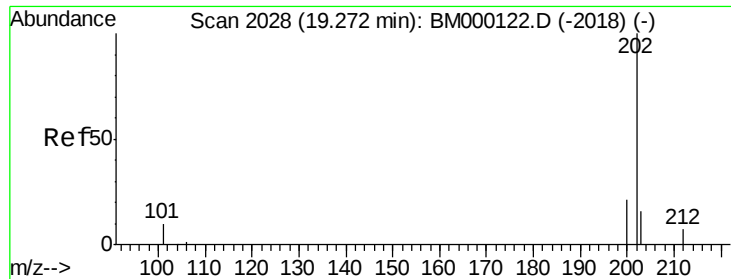
Tgt Ion:178 Resp: 3232
Ion Ratio Lower Upper
178 100
176 21.2 15.1 22.7
179 20.4 13.0 19.4#



#13
Anthracene
Concen: 0.10 ng/ul
RT: 17.35 min Scan# 1890
Delta R.T. 0.00 min
Lab File: BM000159.D
Acq: 09 Jan 2015 15:29

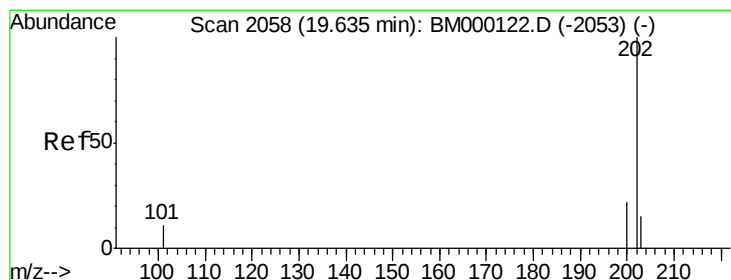
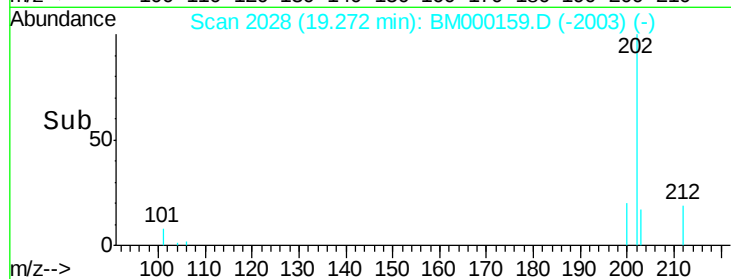
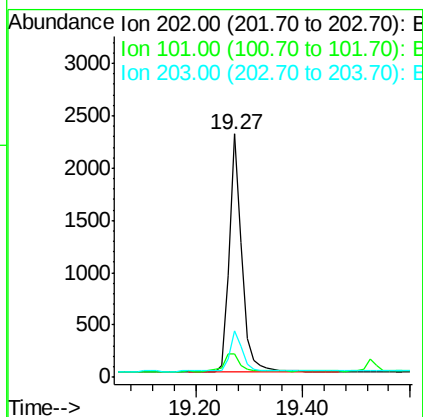
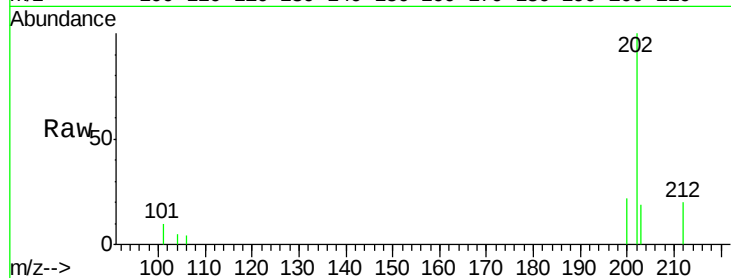
Tgt Ion:178 Resp: 3073
Ion Ratio Lower Upper
178 100
176 21.0 14.6 21.8
179 20.2 13.1 19.7#





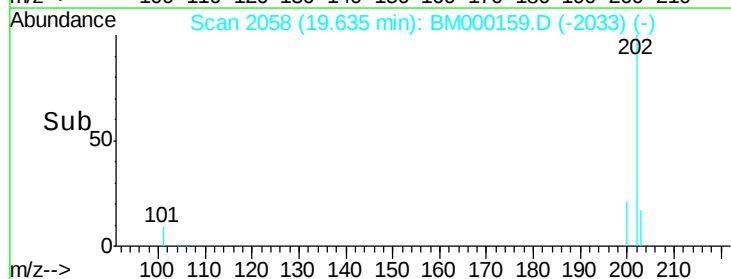
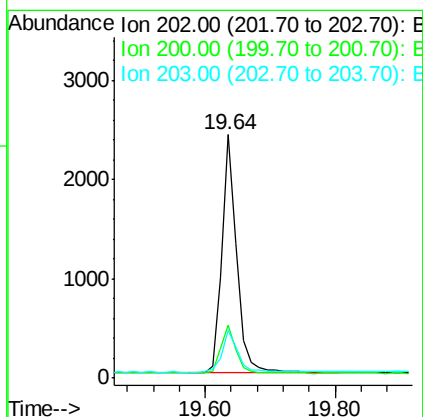
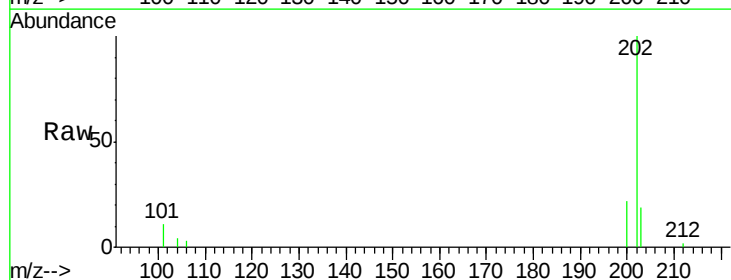
#15
 Fluoranthene
 Concen: 0.10 ng/ul
 RT: 19.27 min Scan# 2028
 Delta R.T. 0.00 min
 Lab File: BM000159.D
 Acq: 09 Jan 2015 15:29

Tgt Ion:202 Resp: 3754
 Ion Ratio Lower Upper
 202 100
 101 9.8 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: BM000159.D
 Acq: 09 Jan 2015 15:29

Tgt Ion:202 Resp: 3915
 Ion Ratio Lower Upper
 202 100
 200 22.0 17.9 26.9
 203 19.4 12.8 19.2#





#18

Benzo(a)anthracene

Concen: 0.10 ng/ul

RT: 21.39 min Scan# 2221

Delta R.T. 0.00 min

Lab File: BM000159.D

Acq: 09 Jan 2015 15:29

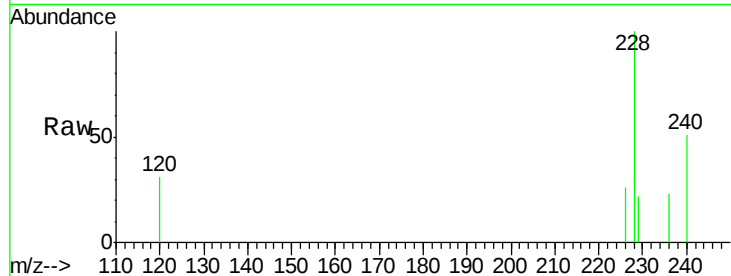
Tgt Ion:228 Resp: 2978

Ion Ratio Lower Upper

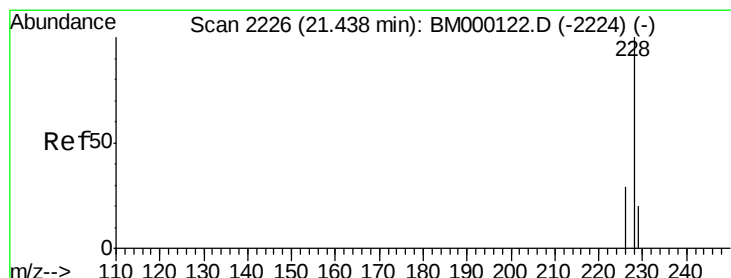
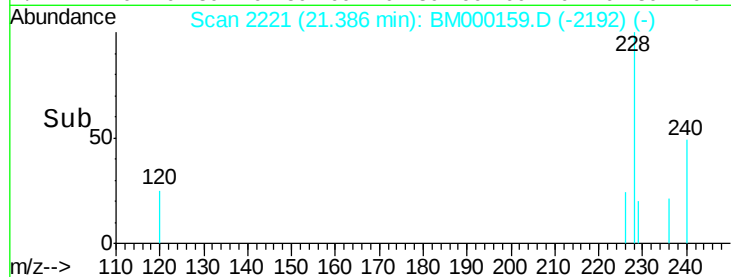
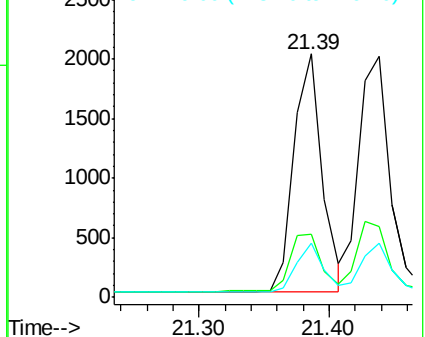
228 100

226 25.7 20.8 31.2

229 22.1 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: BM000159.D

Acq: 09 Jan 2015 15:29

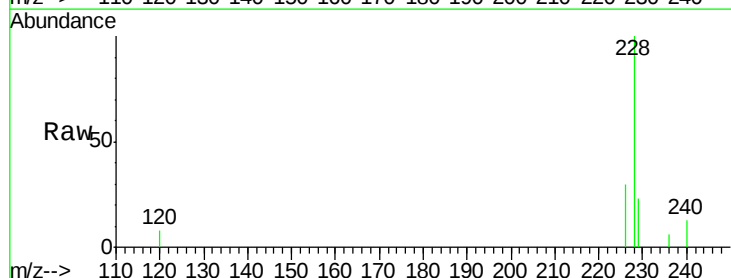
Tgt Ion:228 Resp: 3430

Ion Ratio Lower Upper

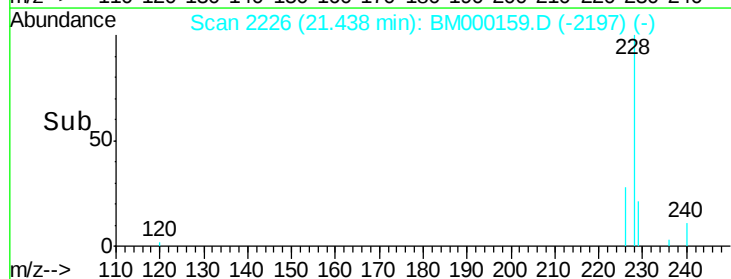
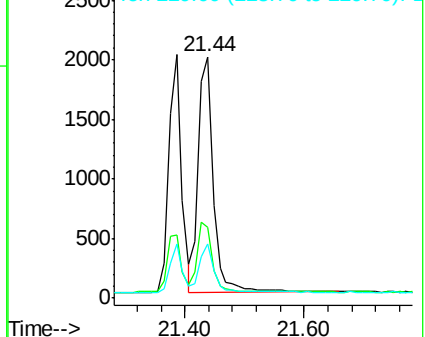
228 100

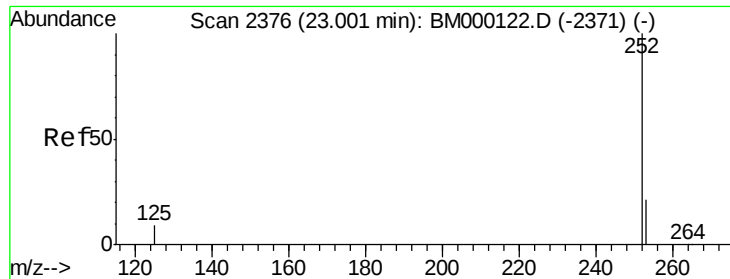
226 29.5 23.8 35.6

229 22.6 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: 0.10 ng/ul

RT: 23.00 min Scan# 2376

Delta R.T. 0.00 min

Lab File: BM000159.D

Acq: 09 Jan 2015 15:29

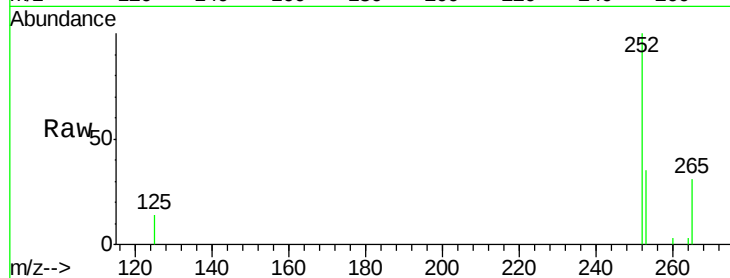
Tgt Ion:252 Resp: 3228

Ion Ratio Lower Upper

252 100

253 35.0 0.0 48.2

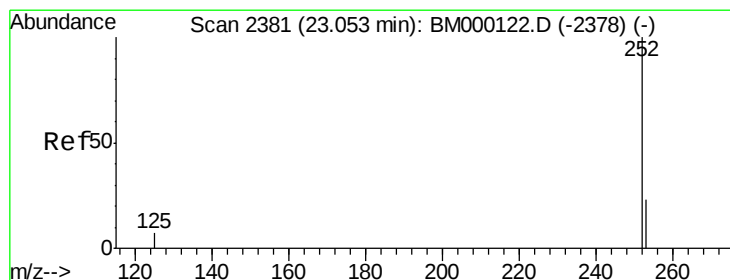
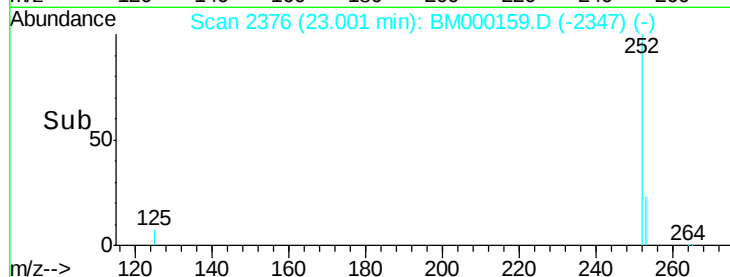
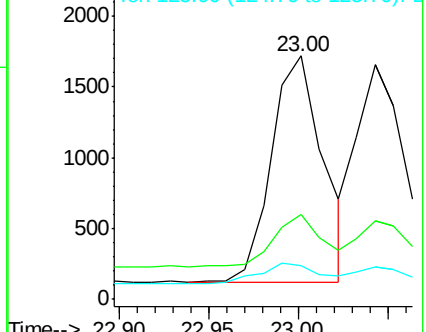
125 13.8 0.0 21.6



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: BM000159.D

Acq: 09 Jan 2015 15:29

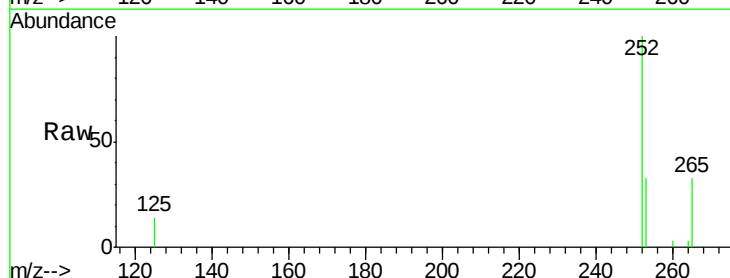
Tgt Ion:252 Resp: 3222

Ion Ratio Lower Upper

252 100

253 33.1 20.5 30.7#

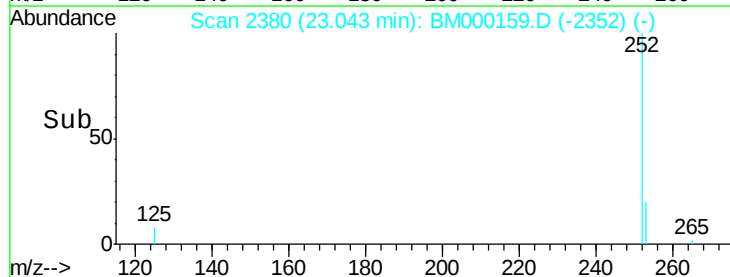
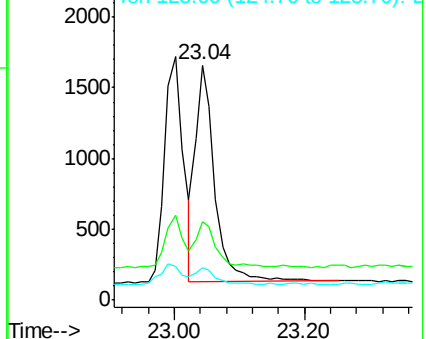
125 13.8 7.8 11.8#



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: BM000159.D

Acq: 09 Jan 2015 15:29

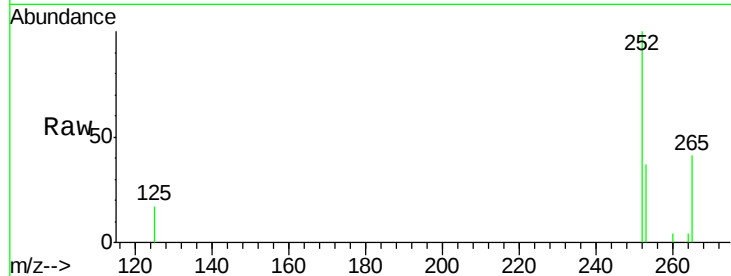
Tgt Ion: 252 Resp: 3018

Ion Ratio Lower Upper

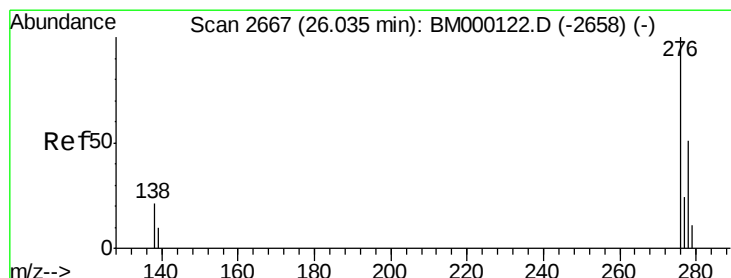
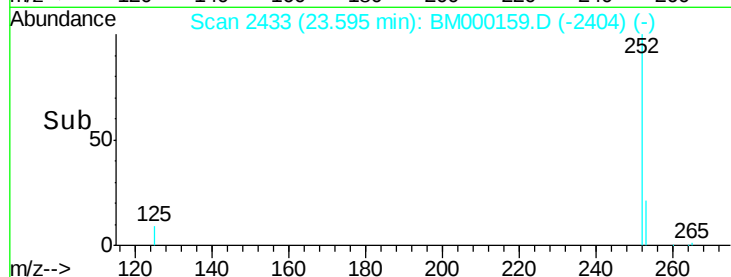
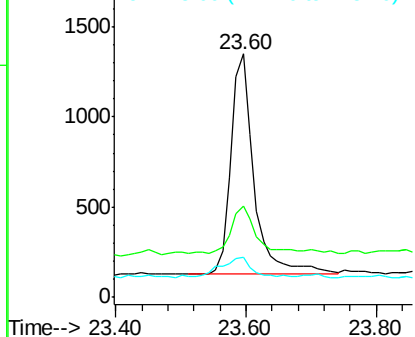
252 100

253 37.4 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: 0.10 ng/ul

RT: 26.03 min Scan# 2667

Delta R.T. 0.00 min

Lab File: BM000159.D

Acq: 09 Jan 2015 15:29

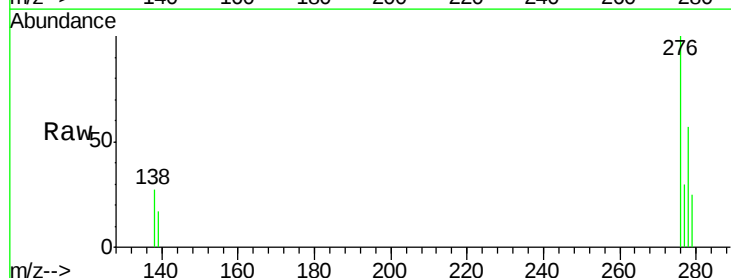
Tgt Ion: 276 Resp: 3399

Ion Ratio Lower Upper

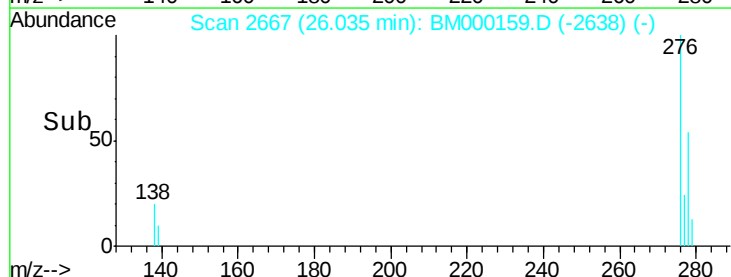
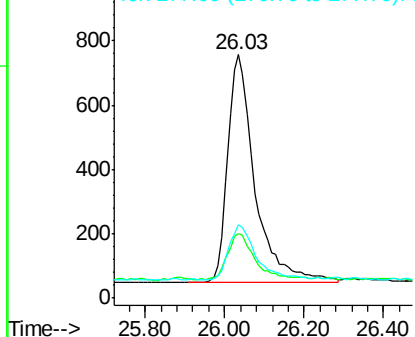
276 100

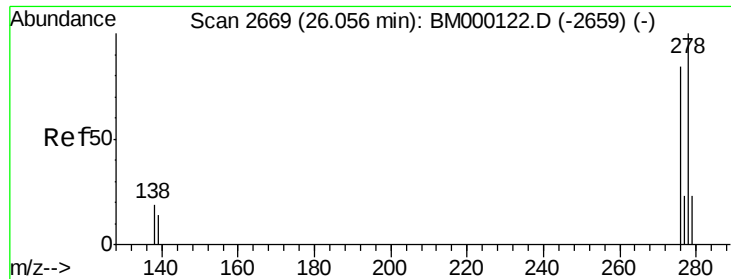
138 21.1 17.6 26.4

277 23.9 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

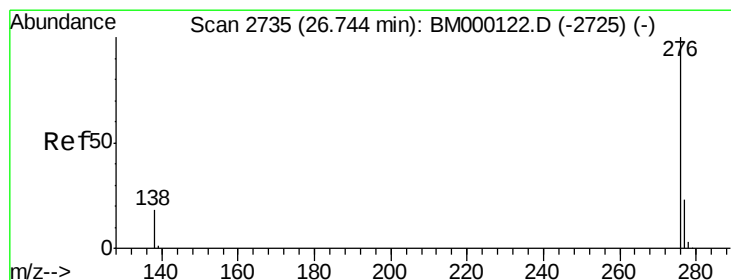
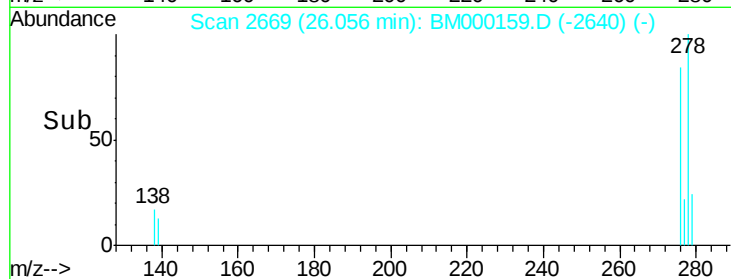
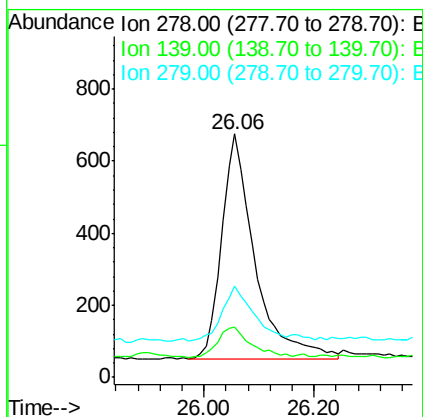
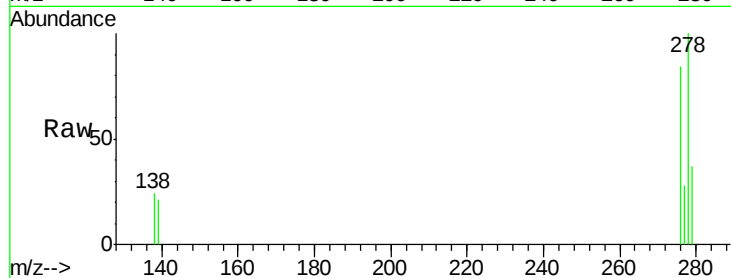




#25
Dibenzo(a,h)anthracene
Concen: 0.10 ng/ul
RT: 26.06 min Scan# 2669
Delta R.T. 0.00 min
Lab File: BM000159.D
Acq: 09 Jan 2015 15:29

Tgt Ion: 278 Resp: 2614

Ion	Ratio	Lower	Upper
278	100		
139	20.7	12.6	18.8#
279	37.4	20.6	30.8#



#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: BM000159.D
Acq: 09 Jan 2015 15:29

Tgt Ion: 276 Resp: 3026

Ion	Ratio	Lower	Upper
276	100		
277	28.6	20.0	30.0
138	24.8	15.7	23.5#

