

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE072115\
 Data File : BE090188.D
 Acq On : 20 Jul 2015 23:07
 Operator : TP/IZ
 Sample : MDL-03-W
 Misc : MDL-WATER-SIM2.2-0.07PPM
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jul 21 05:42:43 2015

Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM02.2-EPA-SIM-BE072115.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Jul 21 05:15:45 2015

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.61	152	961	0.40	ng/ul	0.00
2) Naphthalene-d8	10.37	136	4505	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.21	164	2577	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.94	188	6763	0.40	ng/ul	0.00
16) Chrysene-d12	21.12	240	6286	0.40	ng/ul	0.00
20) Perylene-d12	23.43	264	5275	0.40	ng/ul	0.00

System Monitoring Compounds

4) 2-Methylnaphthalene-d10	11.96	152	2796	0.39	ng/ul	0.00
14) Fluoranthene-d10	18.97	212	7847	0.38	ng/ul	0.00

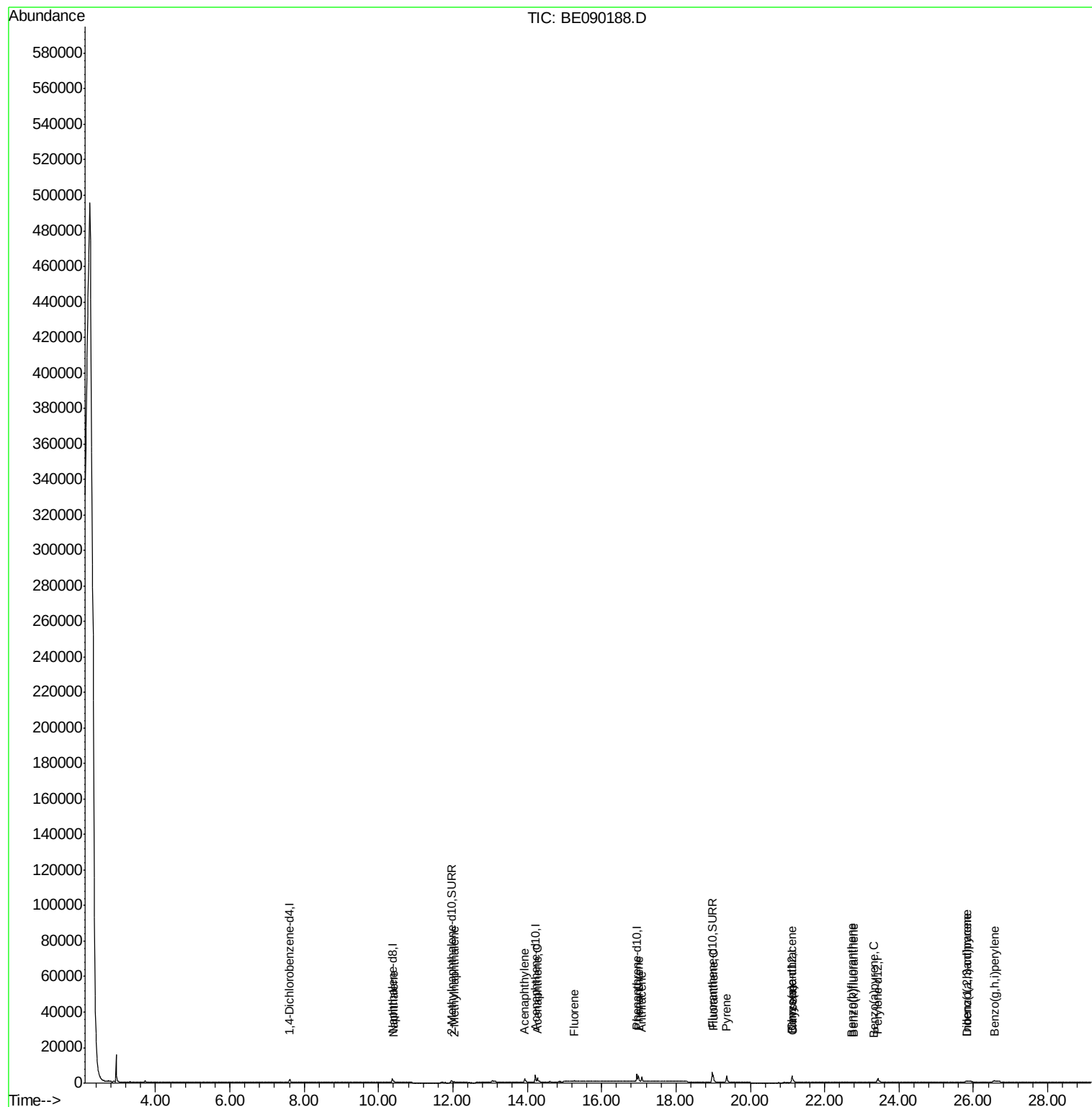
Target Compounds

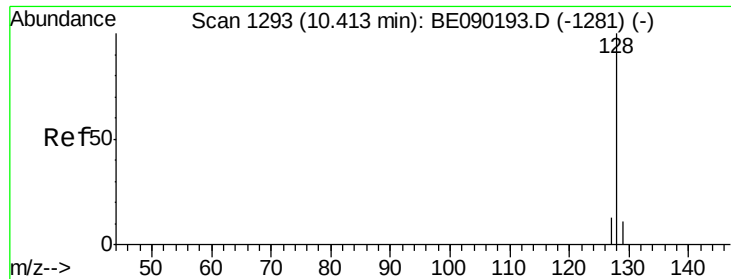
						Qvalue
3) Naphthalene	10.42	128	682	0.06	ng/ul#	77
5) 2-Methylnaphthalene	12.03	142	446	0.06	ng/ul	98
7) Acenaphthylene	13.93	152	2979	0.06	ng/ul#	86
8) Acenaphthene	14.27	153	2155	0.06	ng/ul	94
9) Fluorene	15.27	166	629	0.05	ng/ul#	91
12) Phenanthrene	16.99	178	4322	0.06	ng/ul#	88
13) Anthracene	17.07	178	4170	0.06	ng/ul#	85
15) Fluoranthene	19.00	202	5149	0.06	ng/ul	87
17) Pyrene	19.36	202	5152	0.06	ng/ul	93
18) Benzo(a)anthracene	21.10	228	714	0.04	ng/ul#	83
19) Chrysene	21.15	228	1304m	0.07	ng/ul	
21) Benzo(b)fluoranthene	22.72	252	456	0.03	ng/ul#	60
22) Benzo(k)fluoranthene	22.77	252	839m	0.04	ng/ul	
23) Benzo(a)pyrene	23.32	252	505	0.03	ng/ul#	44
24) Indeno(1,2,3-cd)pyrene	25.83	276	1771	0.02	ng/ul	97
25) Dibenzo(a,h)anthracene	25.85	278	312	0.02	ng/ul#	26
26) Benzo(g,h,i)perylene	26.56	276	2548	0.04	ng/ul#	57

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

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#3

Naphthalene

Concen: 0.06 ng/ul

RT: 10.42 min Scan# 1294

Delta R.T. 0.01 min

Lab File: BE090188.D

Acq: 20 Jul 2015 23:07

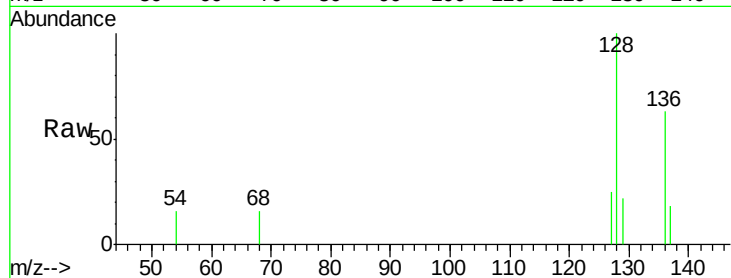
Tgt Ion:128 Resp: 682

Ion Ratio Lower Upper

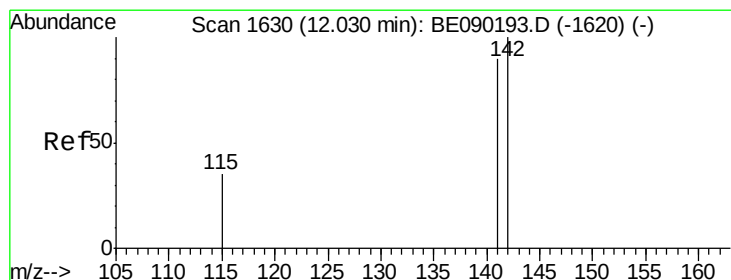
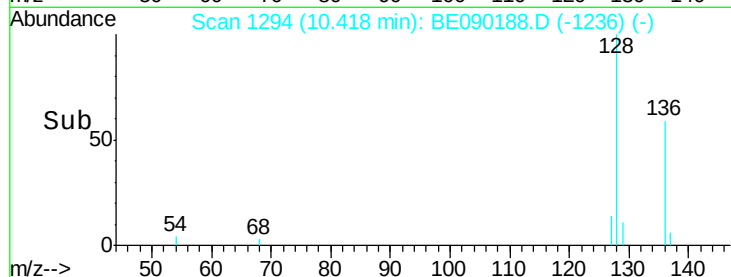
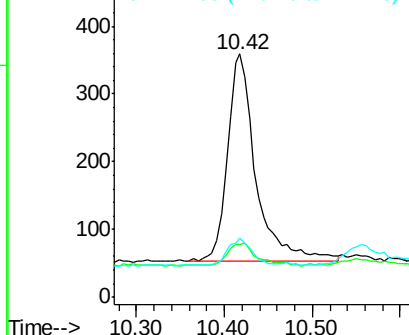
128 100

129 21.7 10.2 15.4#

127 24.5 11.9 17.9#



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: 0.06 ng/ul

RT: 12.03 min Scan# 1630

Delta R.T. -0.00 min

Lab File: BE090188.D

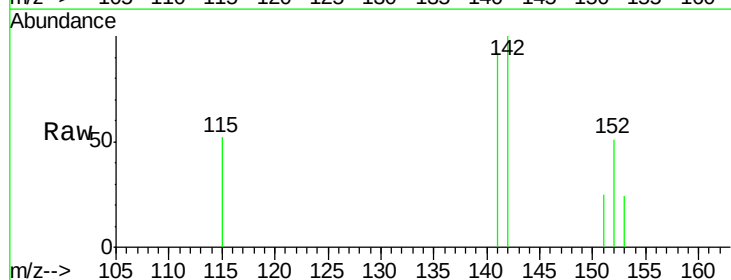
Acq: 20 Jul 2015 23:07

Tgt Ion:142 Resp: 446

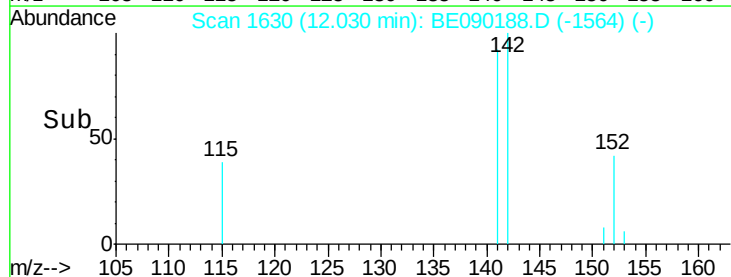
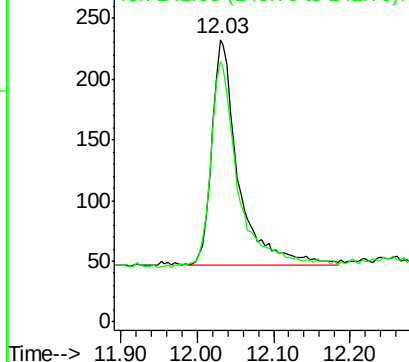
Ion Ratio Lower Upper

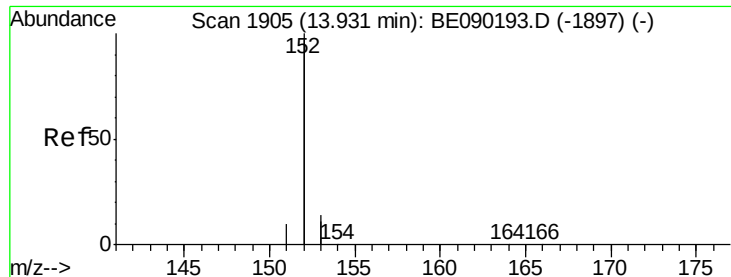
142 100

141 94.2 73.4 110.2



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.06 ng/ul

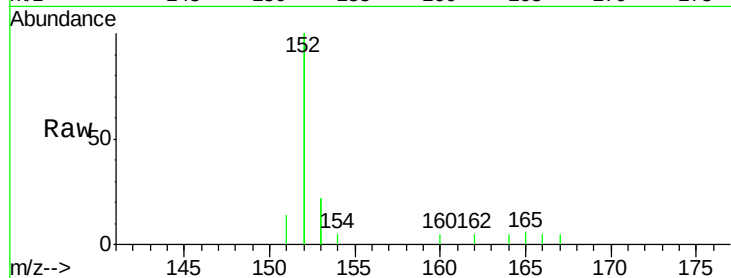
RT: 13.93 min Scan# 1905

Delta R.T. -0.00 min

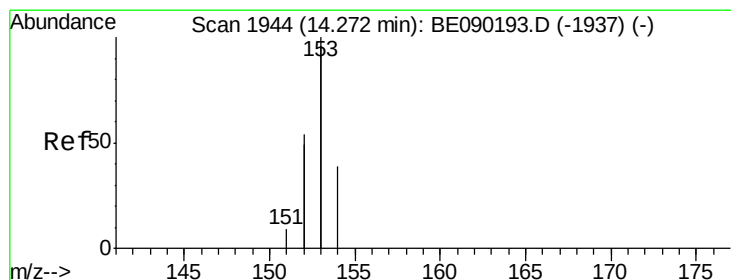
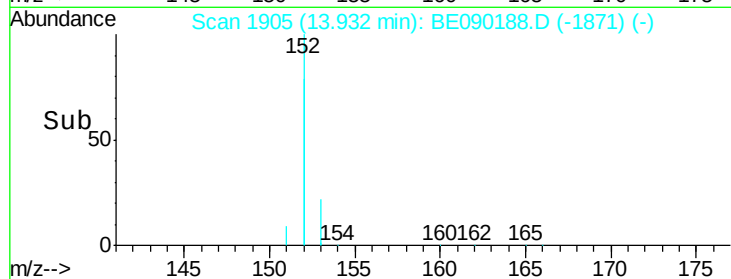
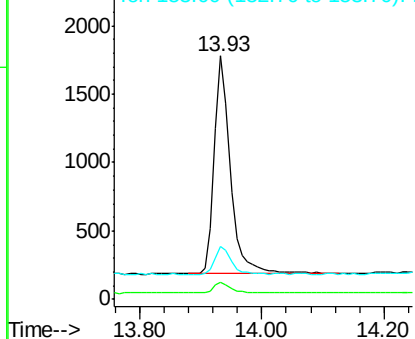
Lab File: BE090188.D

Acq: 20 Jul 2015 23:07

Tgt Ion:	152	Resp:	2979
Ion	Ratio	Lower	Upper
152	100		
151	7.1	4.2	6.4#
153	21.7	11.9	17.9#



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: 0.06 ng/ul

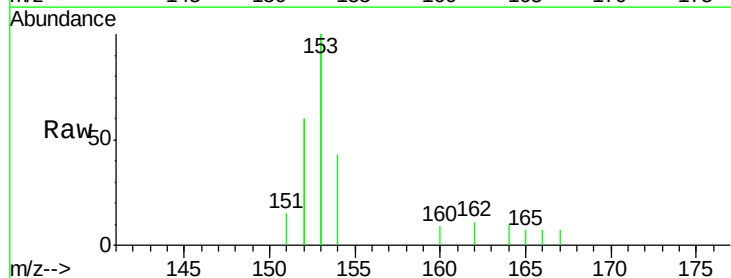
RT: 14.27 min Scan# 1944

Delta R.T. -0.00 min

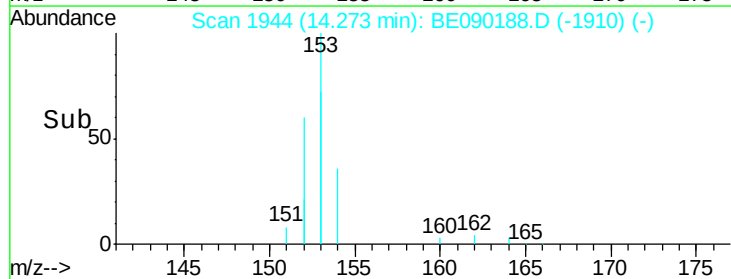
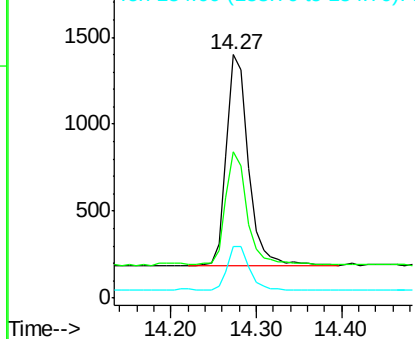
Lab File: BE090188.D

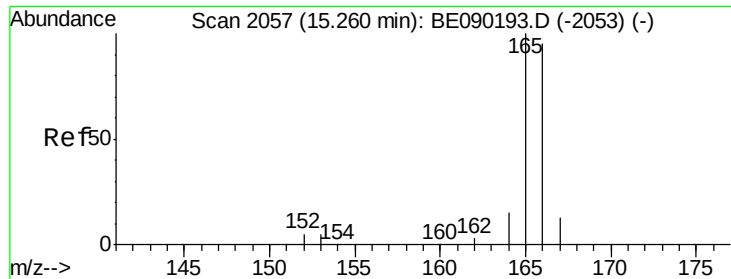
Acq: 20 Jul 2015 23:07

Tgt Ion:	153	Resp:	2155
Ion	Ratio	Lower	Upper
153	100		
152	60.3	43.8	65.8
154	21.3	16.8	25.2



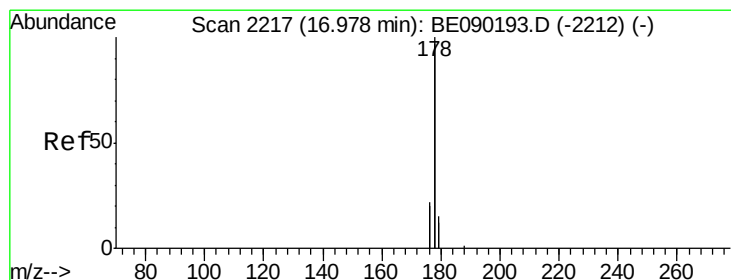
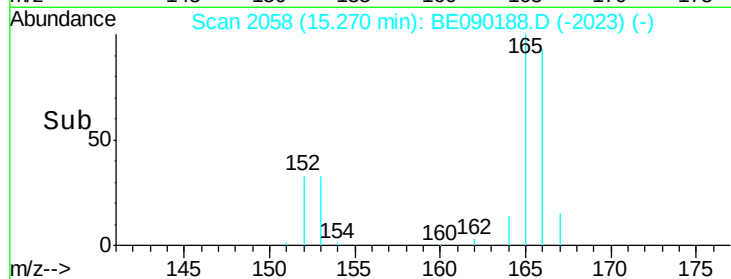
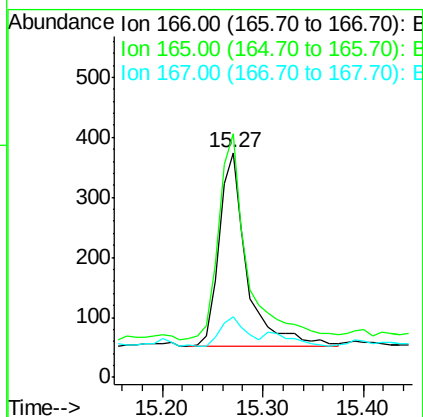
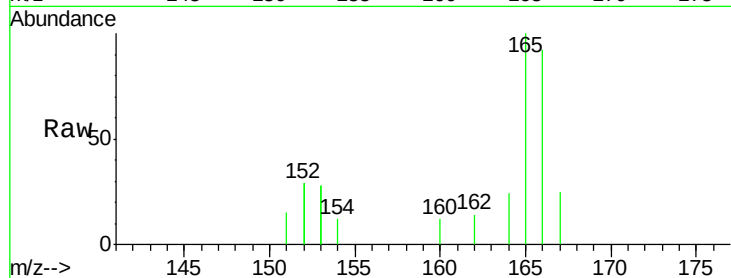
Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E





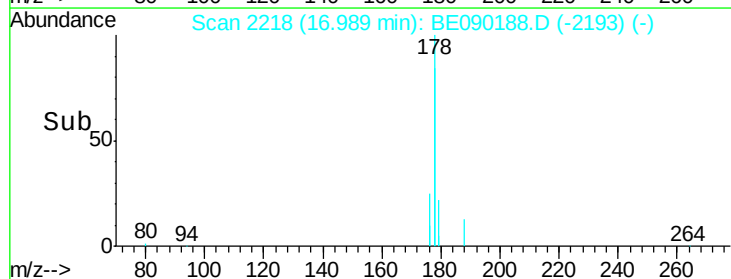
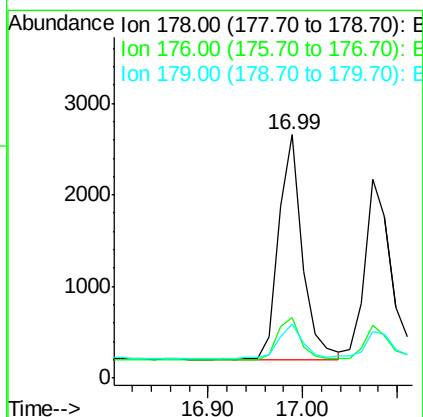
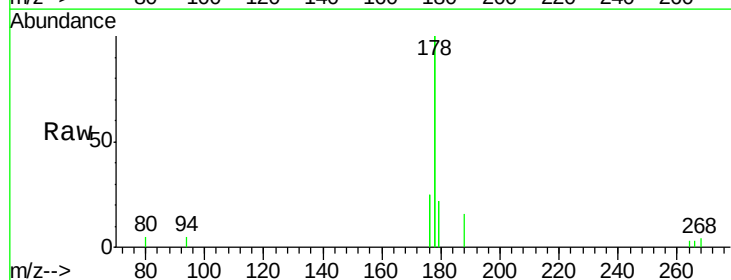
#9
Fluorene
 Concen: 0.05 ng/ul
 RT: 15.27 min Scan# 2058
 Delta R.T. 0.01 min
 Lab File: BE090188.D
 Acq: 20 Jul 2015 23:07

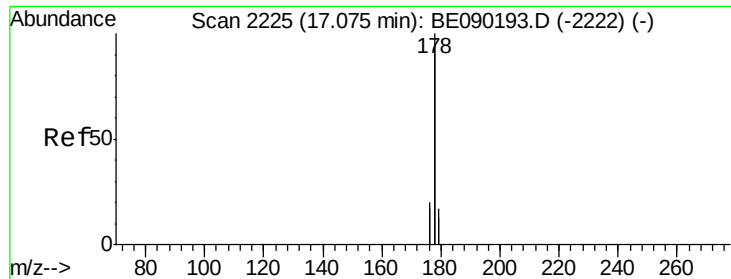
Tgt Ion:166 Resp: 629
 Ion Ratio Lower Upper
 166 100
 165 108.3 81.2 121.8
 167 26.9 12.6 19.0#



#12
Phenanthrene
 Concen: 0.06 ng/ul
 RT: 16.99 min Scan# 2218
 Delta R.T. -0.00 min
 Lab File: BE090188.D
 Acq: 20 Jul 2015 23:07

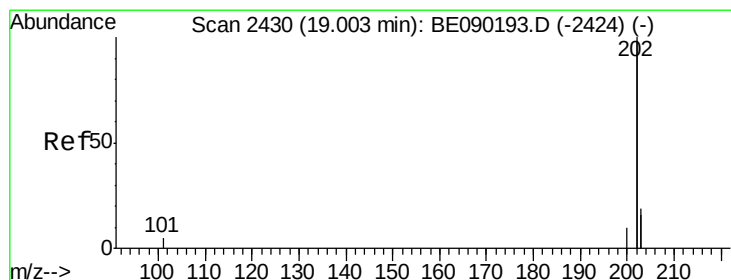
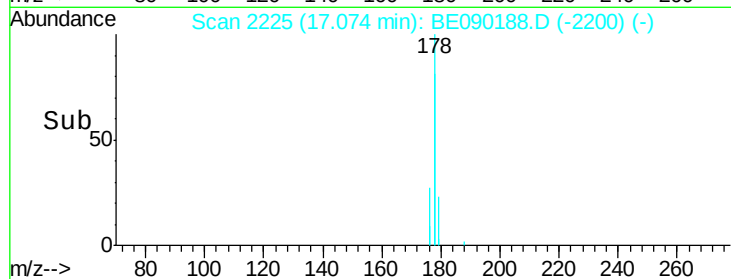
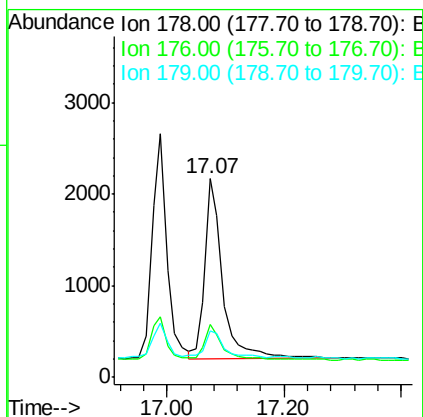
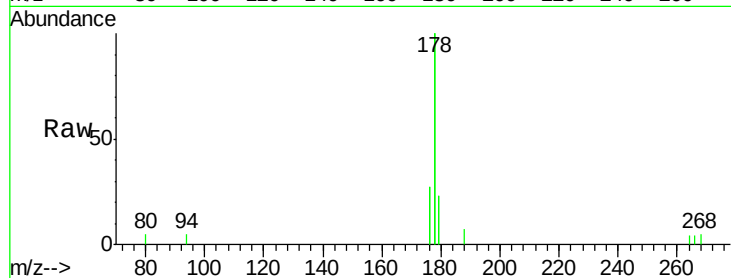
Tgt Ion:178 Resp: 4322
 Ion Ratio Lower Upper
 178 100
 176 25.1 15.3 22.9#
 179 22.5 14.0 21.0#





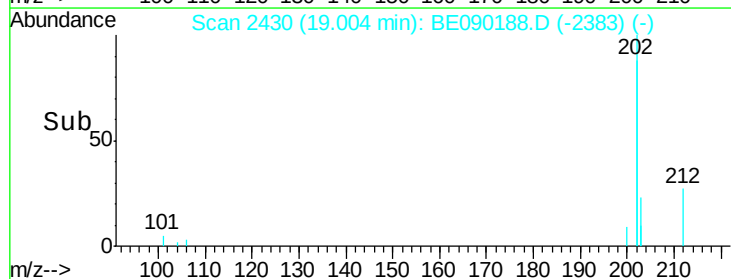
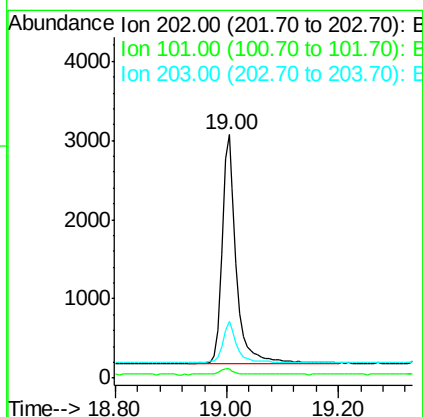
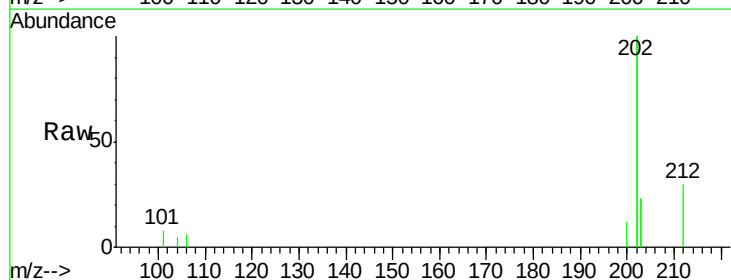
#13
 Anthracene
 Concen: 0.06 ng/ul
 RT: 17.07 min Scan# 2225
 Delta R.T. -0.00 min
 Lab File: BE090188.D
 Acq: 20 Jul 2015 23:07

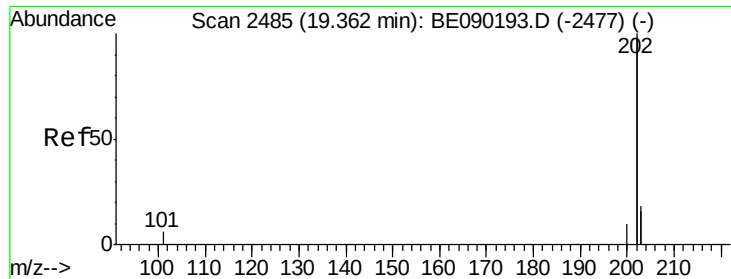
Tgt Ion:178 Resp: 4170
 Ion Ratio Lower Upper
 178 100
 176 26.8 16.0 24.0#
 179 23.2 13.4 20.0#



#15
 Fluoranthene
 Concen: 0.06 ng/ul
 RT: 19.00 min Scan# 2430
 Delta R.T. 0.01 min
 Lab File: BE090188.D
 Acq: 20 Jul 2015 23:07

Tgt Ion:202 Resp: 5149
 Ion Ratio Lower Upper
 202 100
 101 4.0 0.0 23.0
 203 23.2 0.0 37.0

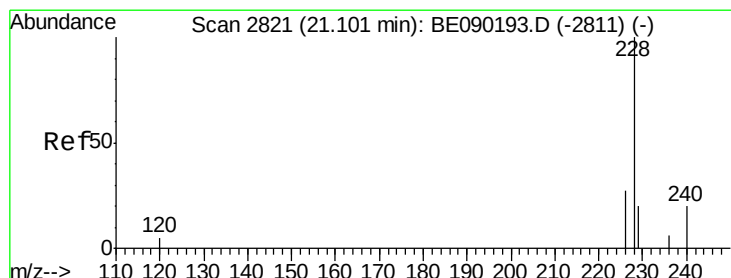
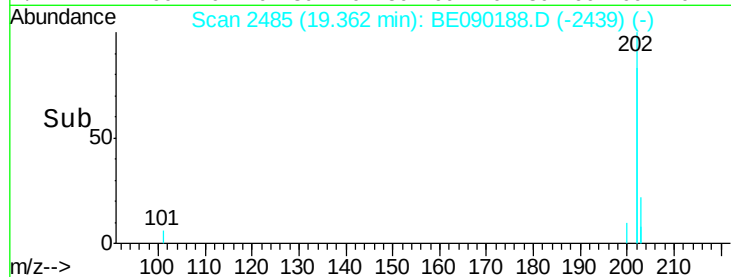
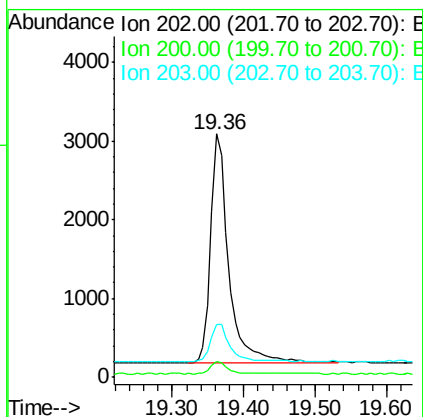
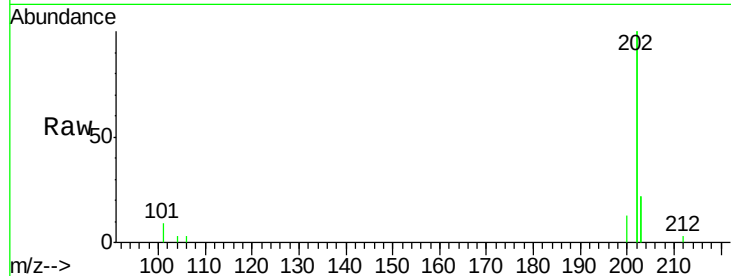




#17
Pyrene
Concen: 0.06 ng/ul
RT: 19.36 min Scan# 2485
Delta R.T. -0.00 min
Lab File: BE090188.D
Acq: 20 Jul 2015 23:07

Tgt Ion: 202 Resp: 5152

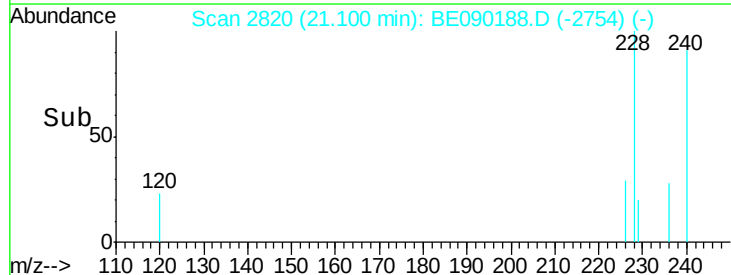
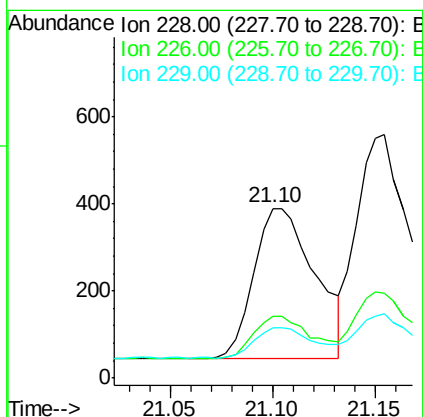
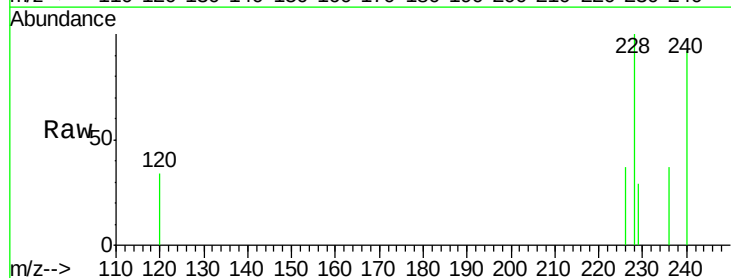
Ion	Ratio	Lower	Upper
202	100		
200	6.4	4.3	6.5
203	21.7	14.6	21.8

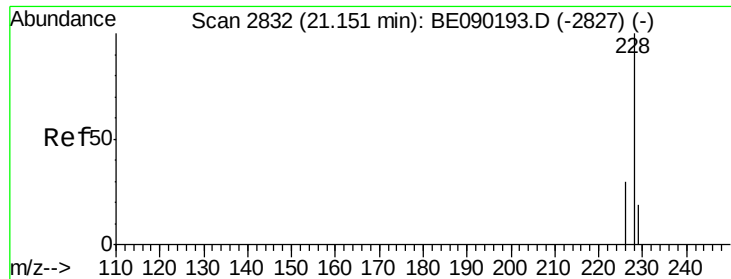


#18
Benzo(a)anthracene
Concen: 0.04 ng/ul
RT: 21.10 min Scan# 2820
Delta R.T. -0.00 min
Lab File: BE090188.D
Acq: 20 Jul 2015 23:07

Tgt Ion: 228 Resp: 714

Ion	Ratio	Lower	Upper
228	100		
226	36.7	22.2	33.4#
229	29.2	16.9	25.3#





#19

Chrysene

Concen: 0.07 ng/ul m

RT: 21.15 min Scan# 2832

Delta R.T. 0.00 min

Lab File: BE090188.D

Acq: 20 Jul 2015 23:07

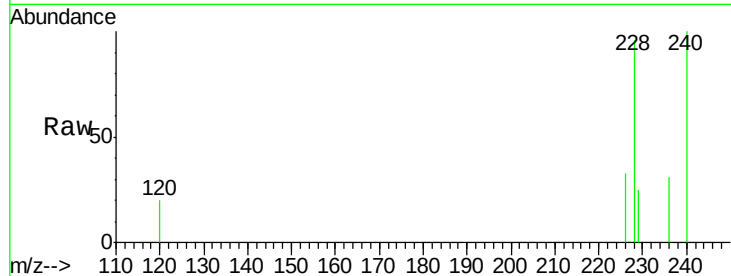
Tgt Ion: 228 Resp: 1304

Ion Ratio Lower Upper

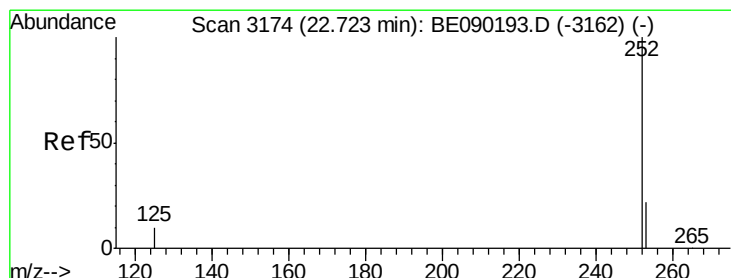
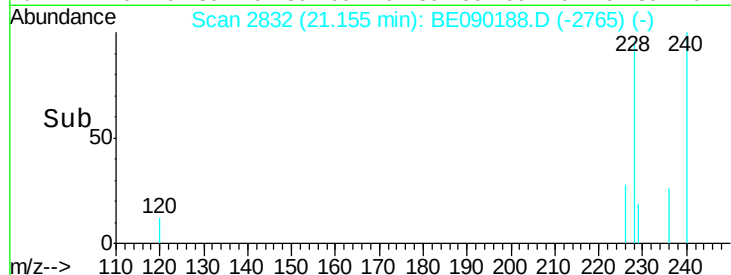
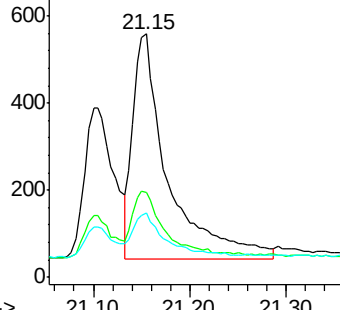
228 100

226 34.7 24.3 36.5

229 26.3 16.6 24.8#



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: 0.03 ng/ul

RT: 22.72 min Scan# 3173

Delta R.T. 0.00 min

Lab File: BE090188.D

Acq: 20 Jul 2015 23:07

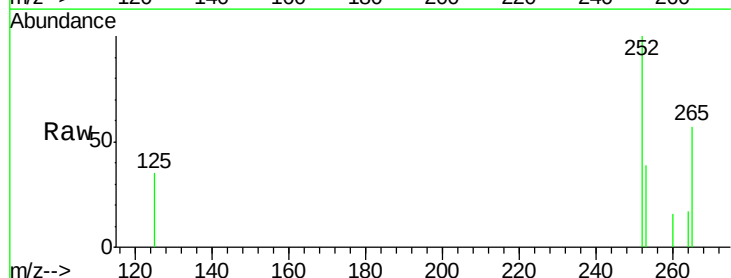
Tgt Ion: 252 Resp: 456

Ion Ratio Lower Upper

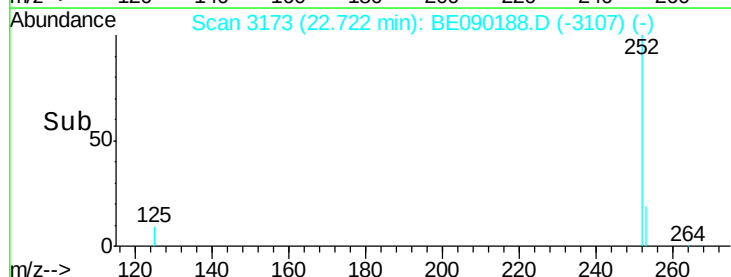
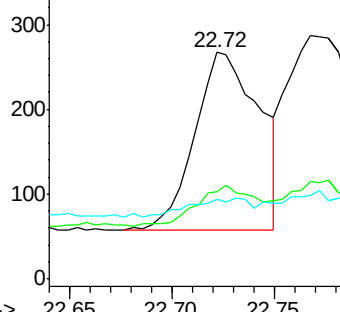
252 100

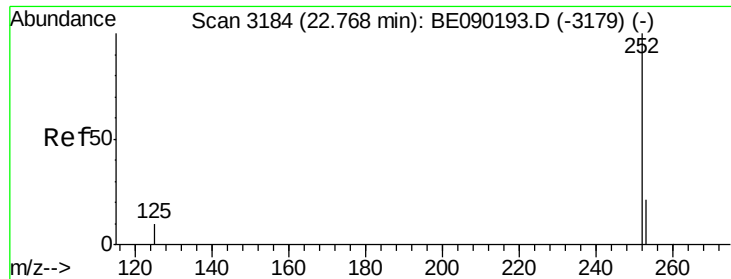
253 38.6 0.0 46.8

125 35.2 0.0 25.4#



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: 0.04 ng/ul

RT: 22.77 min Scan# 3183

Delta R.T. 0.00 min

Lab File: BE090188.D

Acq: 20 Jul 2015 23:07

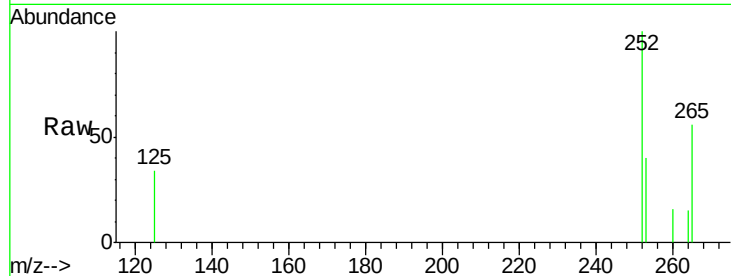
Tgt Ion: 252 Resp: 839

Ion Ratio Lower Upper

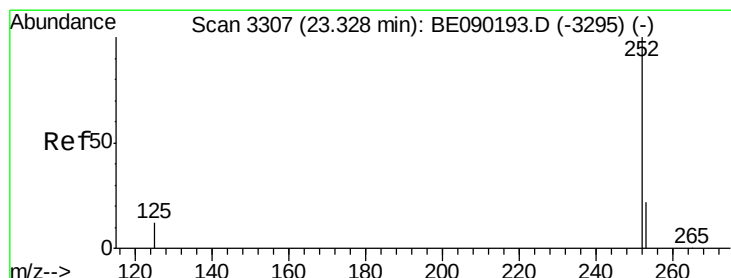
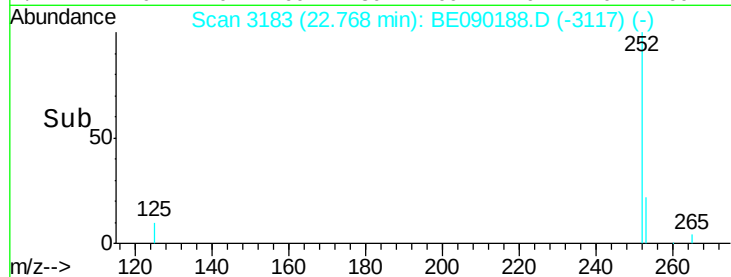
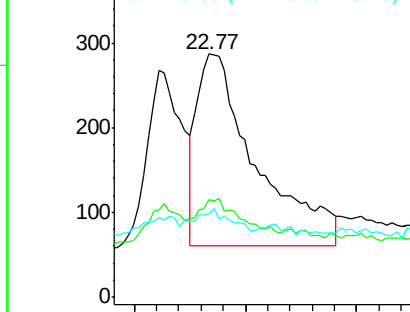
252 100

253 40.1 18.3 27.5#

125 34.1 9.8 14.8#



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: 0.03 ng/ul

RT: 23.32 min Scan# 3305

Delta R.T. 0.00 min

Lab File: BE090188.D

Acq: 20 Jul 2015 23:07

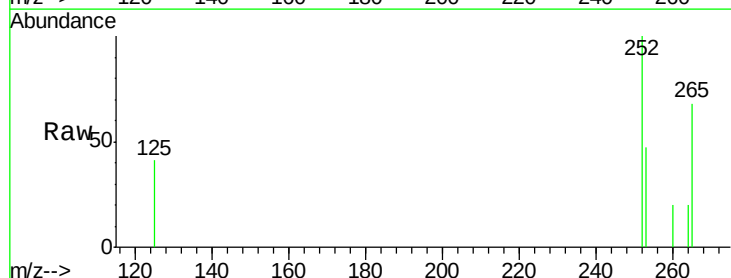
Tgt Ion: 252 Resp: 505

Ion Ratio Lower Upper

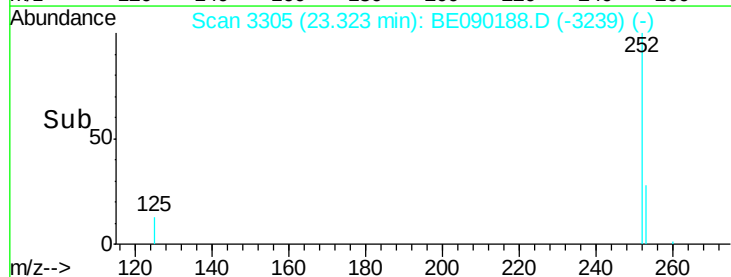
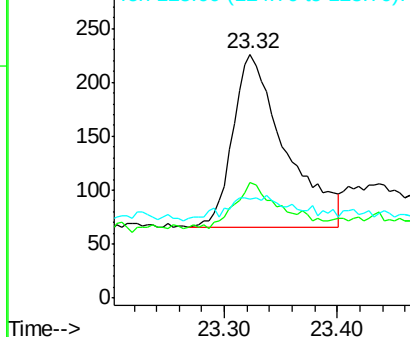
252 100

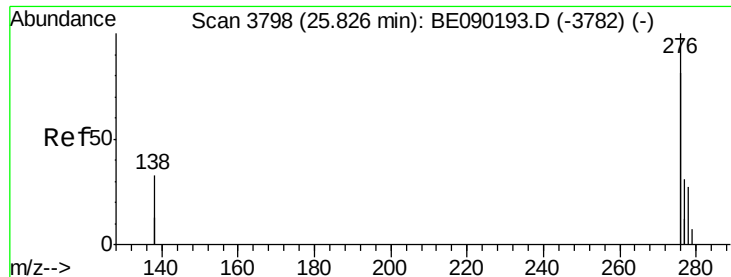
253 47.3 18.4 27.6#

125 40.7 11.5 17.3#



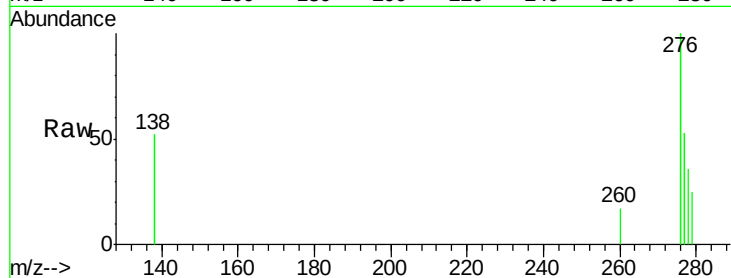
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



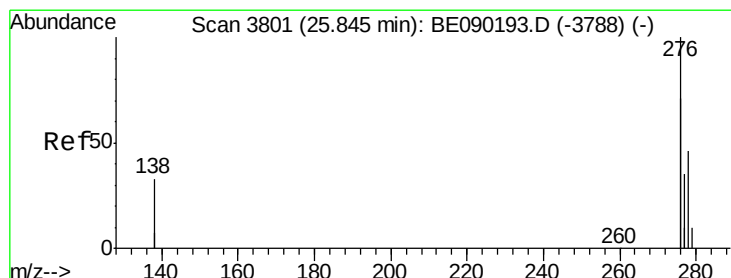
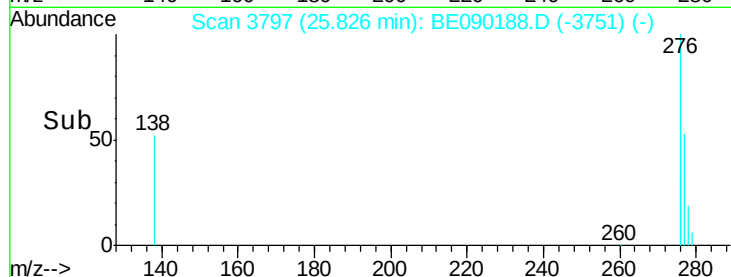
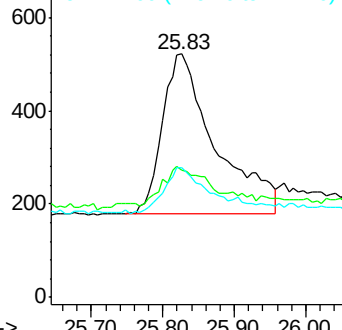


#24
 Indeno(1,2,3-cd)pyrene
 Concen: 0.02 ng/ul
 RT: 25.83 min Scan# 3797
 Delta R.T. 0.00 min
 Lab File: BE090188.D
 Acq: 20 Jul 2015 23:07

Tgt Ion: 276 Resp: 1771
 Ion Ratio Lower Upper
 276 100
 138 23.1 19.8 29.8
 277 25.5 19.8 29.6

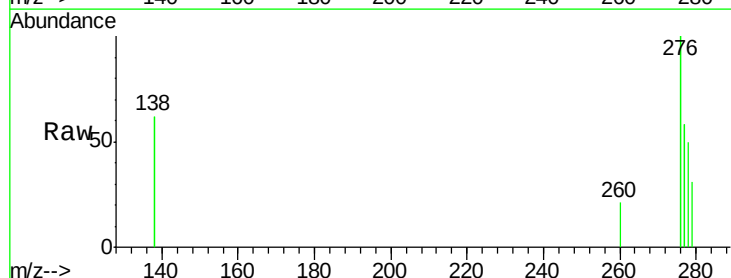


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

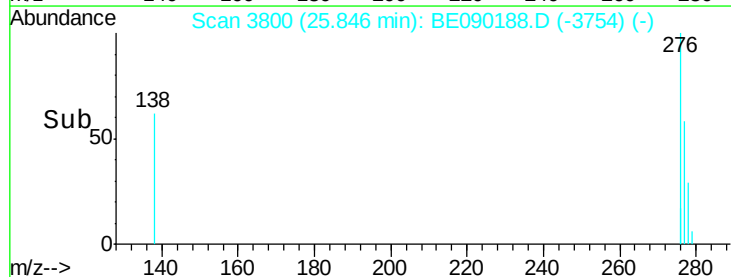
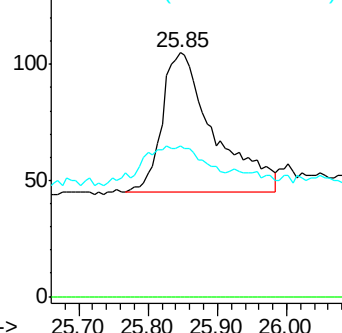


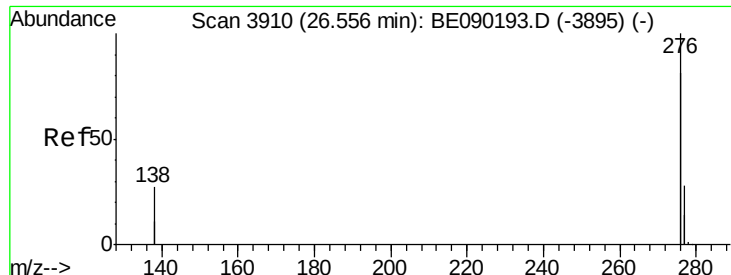
#25
 Dibenzo(a,h)anthracene
 Concen: 0.02 ng/ul
 RT: 25.85 min Scan# 3800
 Delta R.T. 0.00 min
 Lab File: BE090188.D
 Acq: 20 Jul 2015 23:07

Tgt Ion: 278 Resp: 312
 Ion Ratio Lower Upper
 278 100
 139 0.0 0.0 0.0
 279 61.9 20.0 30.0#



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: 0.04 ng/ul

RT: 26.56 min Scan# 3910

Delta R.T. 0.01 min

Lab File: BE090188.D

Acq: 20 Jul 2015 23:07

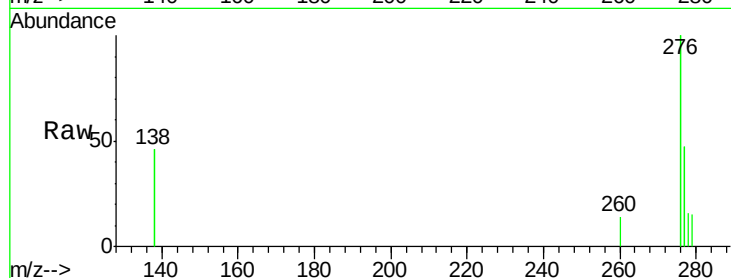
Tgt Ion: 276 Resp: 2548

Ion Ratio Lower Upper

276 100

277 46.9 20.6 31.0#

138 46.2 19.3 28.9#



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

800

600

400

200

0

26.40

26.56

26.80

Time-->

