

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE072115\
 Data File : BE090198.D
 Acq On : 21 Jul 2015 6:26
 Operator : TP/IZ
 Sample : MDL-05-W
 Misc : MDL-WATER-SIM2.2-0.15PPM
 ALS Vial : 21 Sample Multiplier: 1

Quant Time: Jul 21 07:42:36 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 07:09:07 2015

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.61	152	713	0.40	ng/ul	0.00
2) Naphthalene-d8	10.37	136	3559	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.22	164	2028	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.95	188	5318	0.40	ng/ul	0.01
16) Chrysene-d12	21.12	240	3545	0.40	ng/ul	0.00
20) Perylene-d12	23.43	264	2365	0.40	ng/ul	0.00

System Monitoring Compounds

4) 2-Methylnaphthalene-d10	11.96	152	2020	0.36	ng/ul	0.00
14) Fluoranthene-d10	18.98	212	5759	0.36	ng/ul	0.00

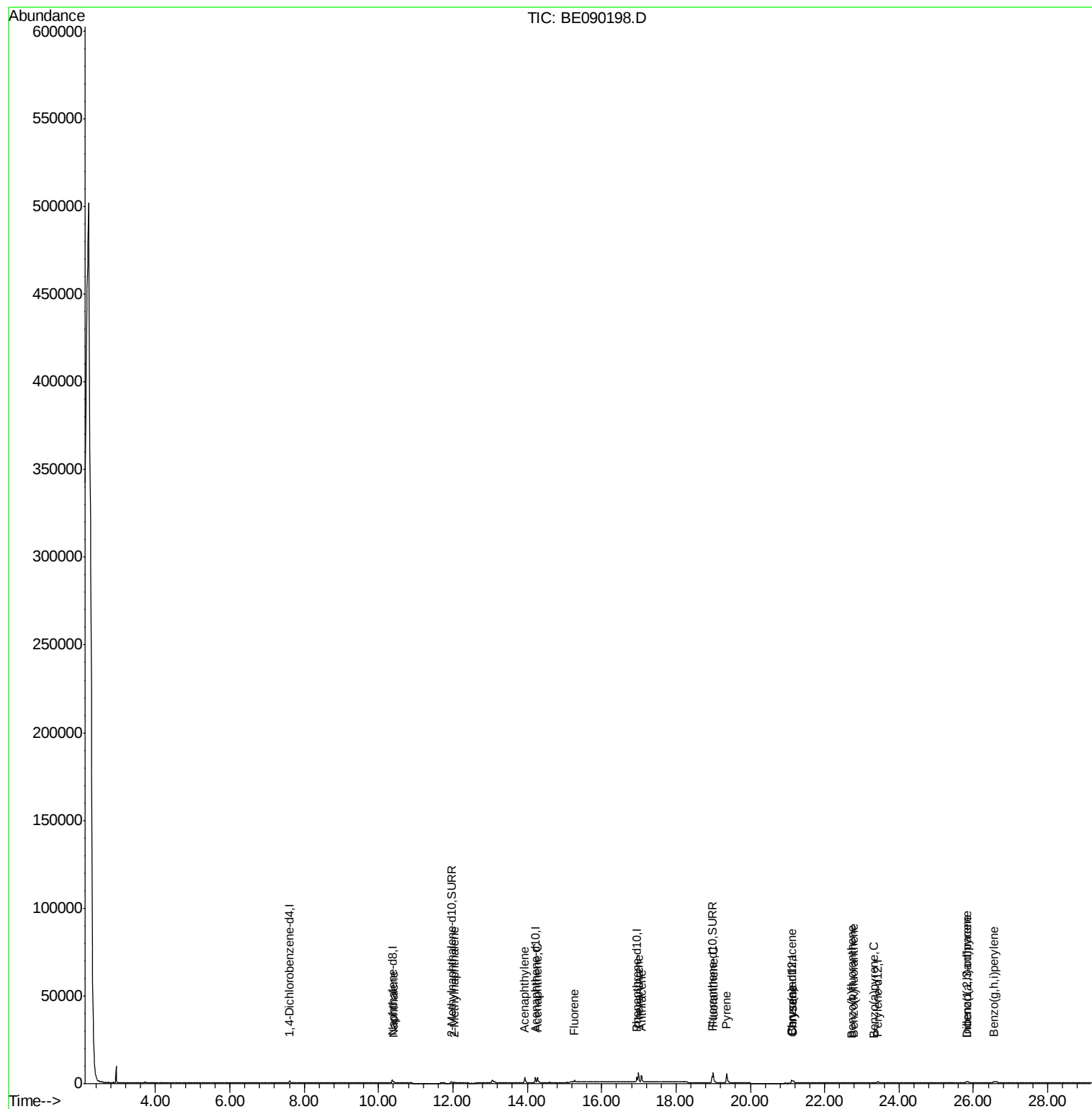
Target Compounds

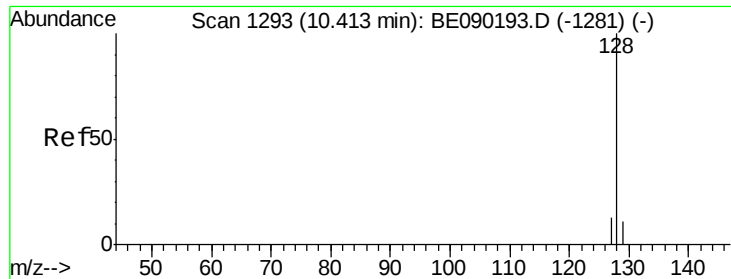
						Qvalue
3) Naphthalene	10.42	128	966	0.10	ng/ul#	85
5) 2-Methylnaphthalene	12.03	142	659	0.10	ng/ul	98
7) Acenaphthylene	13.93	152	4479	0.11	ng/ul#	92
8) Acenaphthene	14.27	153	3285	0.11	ng/ul	98
9) Fluorene	15.27	166	901	0.10	ng/ul#	97
12) Phenanthrene	16.99	178	6482	0.11	ng/ul	94
13) Anthracene	17.07	178	6550	0.11	ng/ul#	92
15) Fluoranthene	19.00	202	7761	0.11	ng/ul	91
17) Pyrene	19.36	202	7836	0.17	ng/ul	95
18) Benzo(a)anthracene	21.10	228	594	0.06	ng/ul#	81
19) Chrysene	21.15	228	1813m	0.16	ng/ul	
21) Benzo(b)fluoranthene	22.72	252	386	0.06	ng/ul#	54
22) Benzo(k)fluoranthene	22.77	252	707m	0.08	ng/ul	
23) Benzo(a)pyrene	23.32	252	441	0.06	ng/ul#	46
24) Indeno(1,2,3-cd)pyrene	25.82	276	1194	0.04	ng/ul	96
25) Dibenzo(a,h)anthracene	25.85	278	228	0.04	ng/ul#	29
26) Benzo(g,h,i)perylene	26.55	276	1980	0.07	ng/ul#	53

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

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#3

Naphthalene

Concen: 0.10 ng/ul

RT: 10.42 min Scan# 1294

Delta R.T. 0.01 min

Lab File: BE090198.D

Acq: 21 Jul 2015 6:26

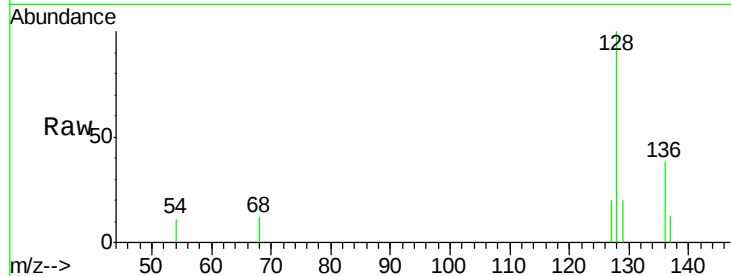
Tgt Ion:128 Resp: 966

Ion Ratio Lower Upper

128 100

129 20.0 10.2 15.4#

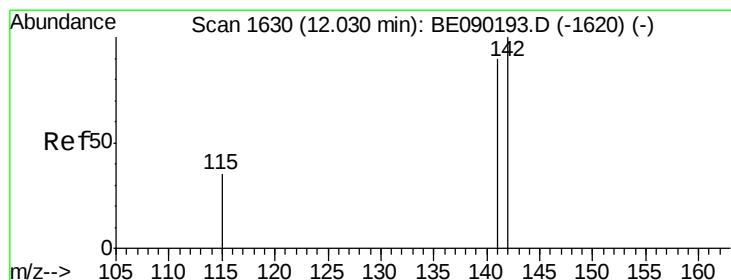
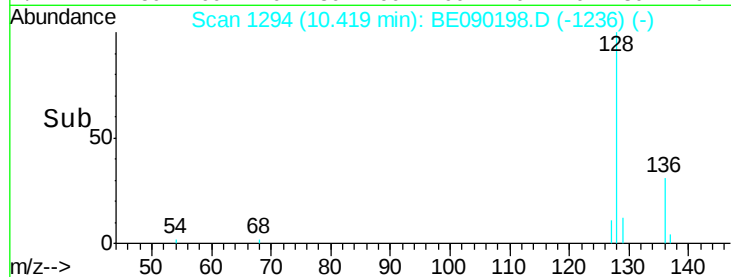
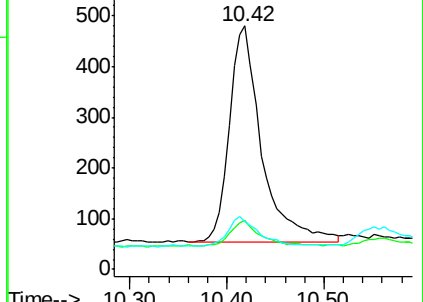
127 19.8 11.9 17.9#



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: 0.10 ng/ul

RT: 12.03 min Scan# 1630

Delta R.T. 0.00 min

Lab File: BE090198.D

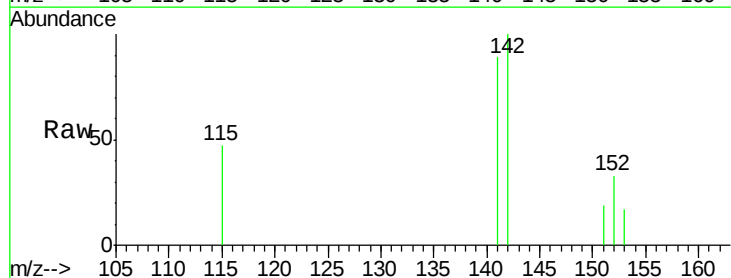
Acq: 21 Jul 2015 6:26

Tgt Ion:142 Resp: 659

Ion Ratio Lower Upper

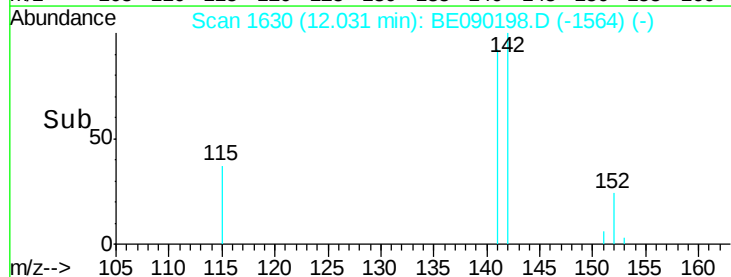
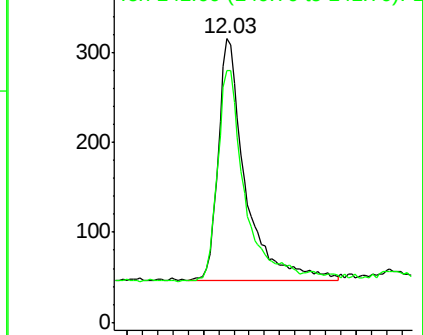
142 100

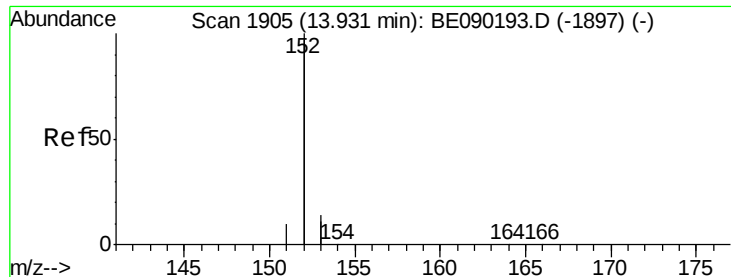
141 89.5 73.4 110.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.11 ng/ul

RT: 13.93 min Scan# 1905

Delta R.T. 0.00 min

Lab File: BE090198.D

Acq: 21 Jul 2015 6:26

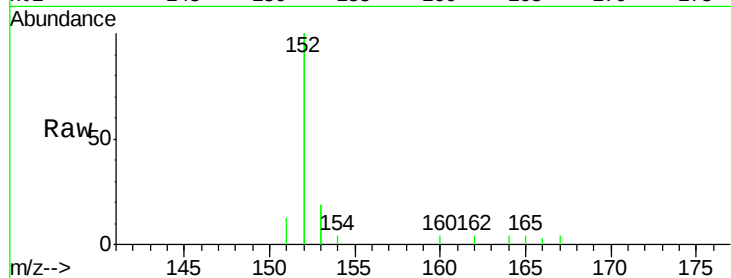
Tgt Ion:152 Resp: 4479

Ion Ratio Lower Upper

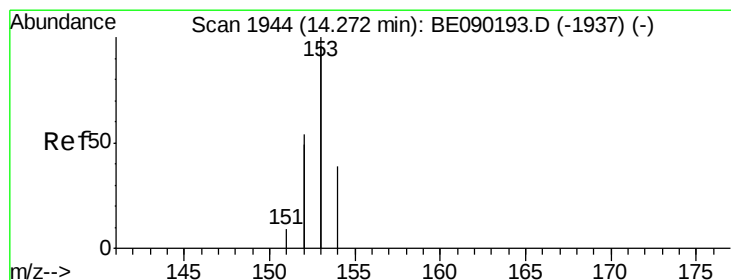
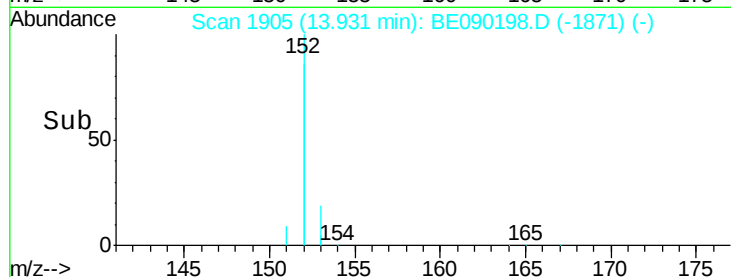
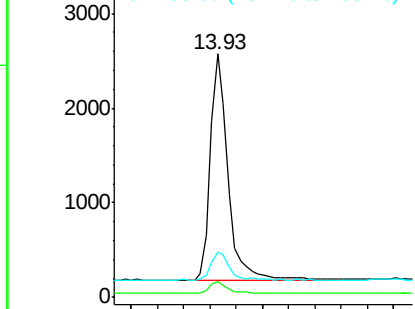
152 100

151 6.4 4.2 6.4#

153 18.8 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: 0.11 ng/ul

RT: 14.27 min Scan# 1944

Delta R.T. 0.00 min

Lab File: BE090198.D

Acq: 21 Jul 2015 6:26

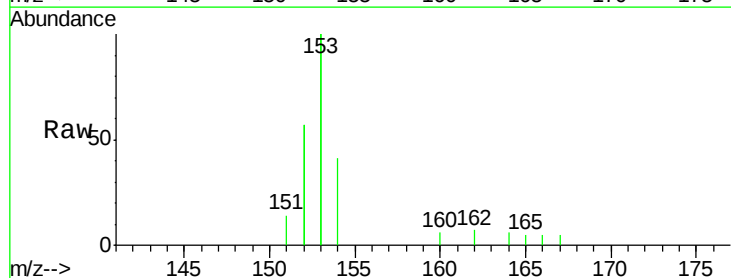
Tgt Ion:153 Resp: 3285

Ion Ratio Lower Upper

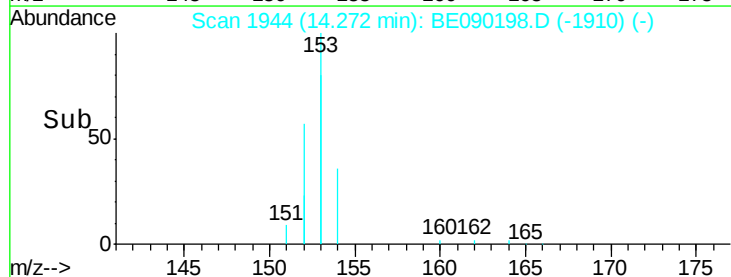
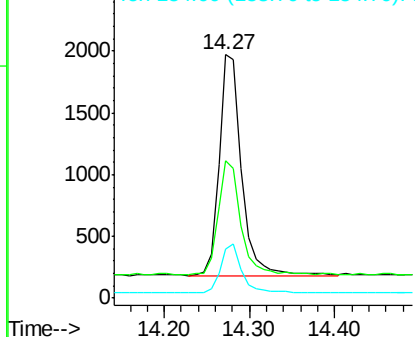
153 100

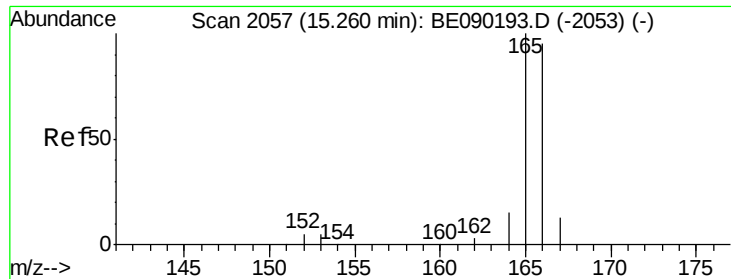
152 56.7 43.8 65.8

154 20.3 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: 0.10 ng/ul

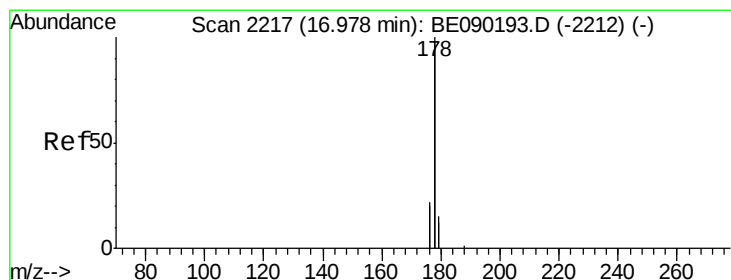
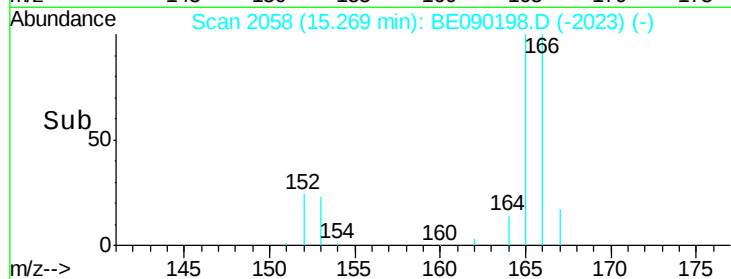
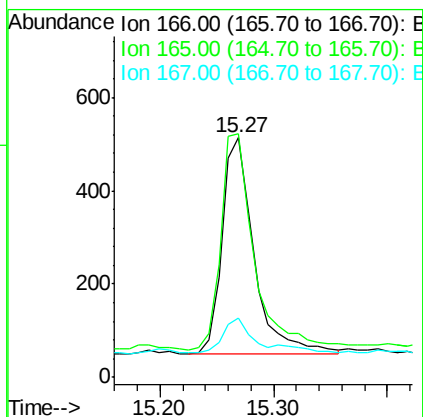
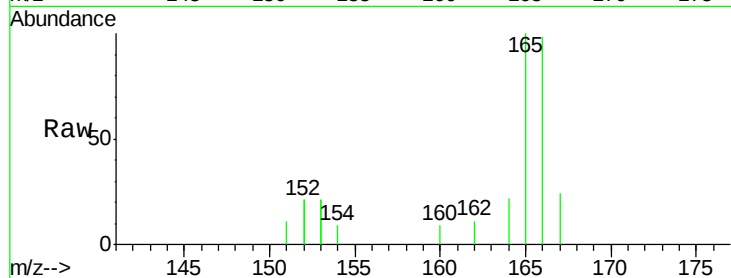
RT: 15.27 min Scan# 2058

Delta R.T. 0.01 min

Lab File: BE090198.D

Acq: 21 Jul 2015 6:26

Tgt Ion:	166	Resp:	901
Ion	Ratio	Lower	Upper
166	100		
165	101.6	81.2	121.8
167	24.5	12.6	19.0#



#12

Phenanthrene

Concen: 0.11 ng/ul

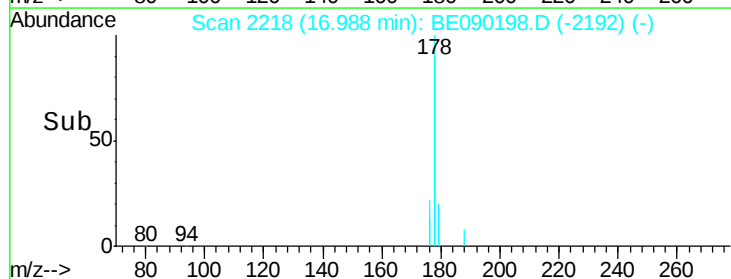
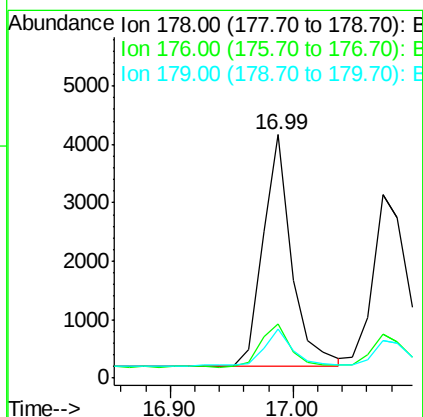
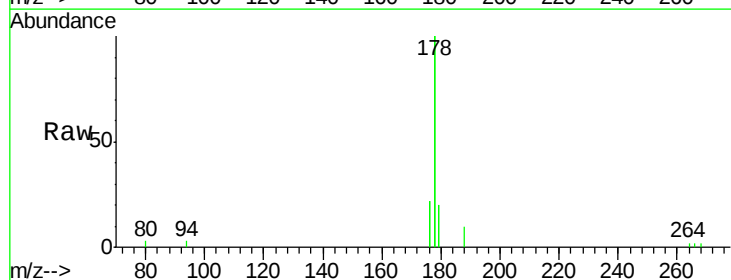
RT: 16.99 min Scan# 2218

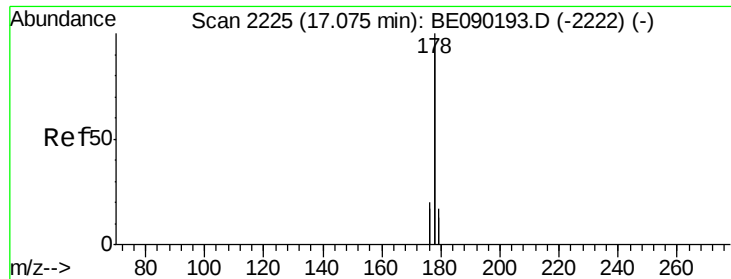
Delta R.T. 0.01 min

Lab File: BE090198.D

Acq: 21 Jul 2015 6:26

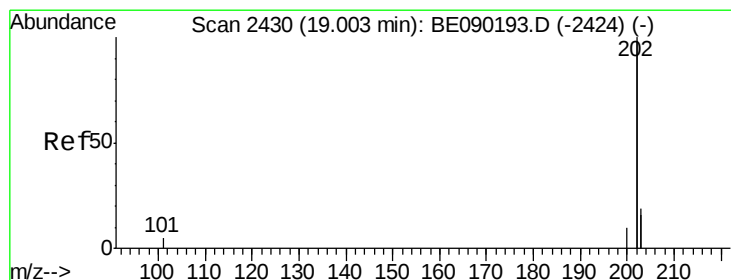
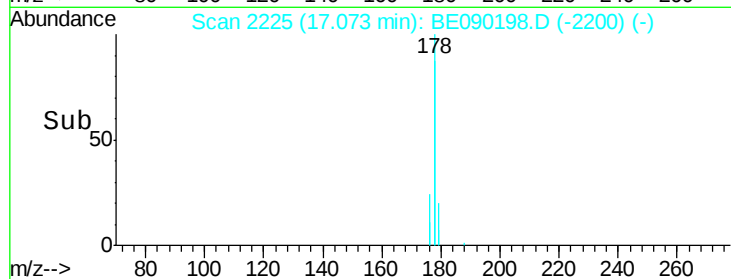
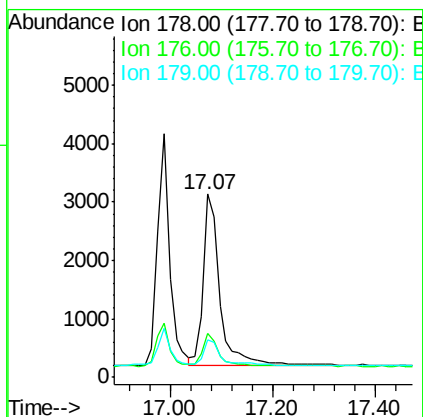
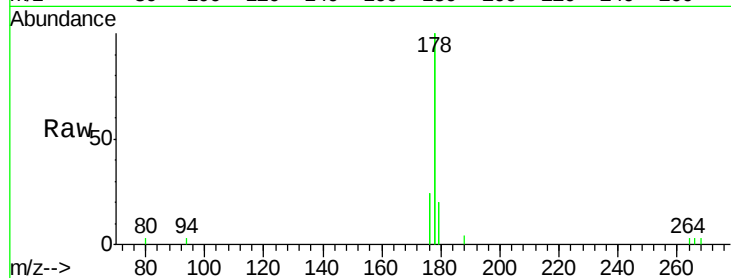
Tgt Ion:	178	Resp:	6482
Ion	Ratio	Lower	Upper
178	100		
176	22.2	15.3	22.9
179	20.1	14.0	21.0





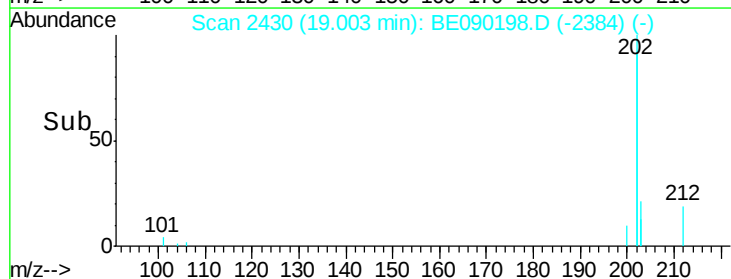
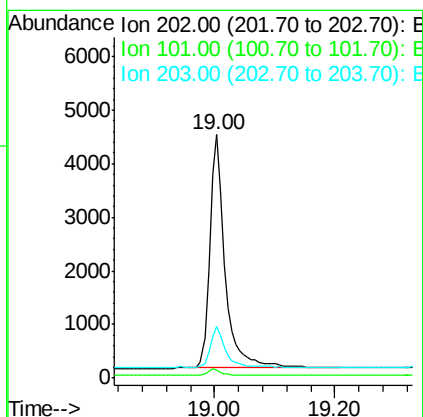
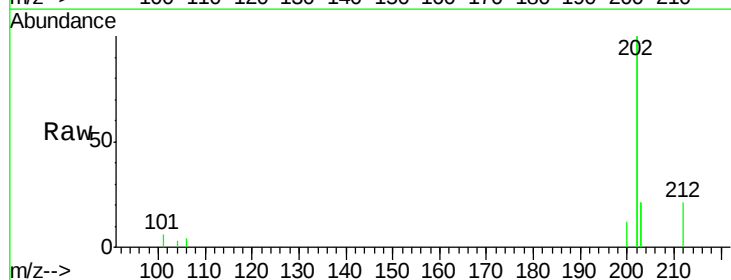
#13
 Anthracene
 Concen: 0.11 ng/ul
 RT: 17.07 min Scan# 2225
 Delta R.T. -0.00 min
 Lab File: BE090198.D
 Acq: 21 Jul 2015 6:26

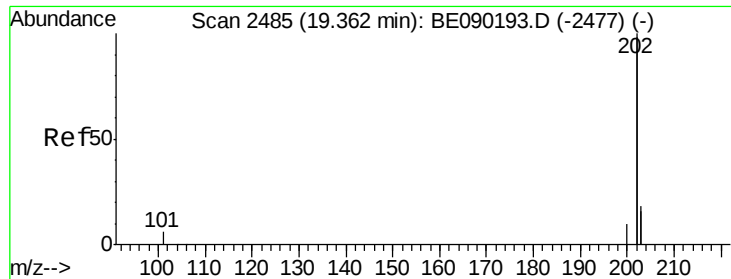
Tgt Ion:178 Resp: 6550
 Ion Ratio Lower Upper
 178 100
 176 24.0 16.0 24.0
 179 20.2 13.4 20.0#



#15
 Fluoranthene
 Concen: 0.11 ng/ul
 RT: 19.00 min Scan# 2430
 Delta R.T. 0.00 min
 Lab File: BE090198.D
 Acq: 21 Jul 2015 6:26

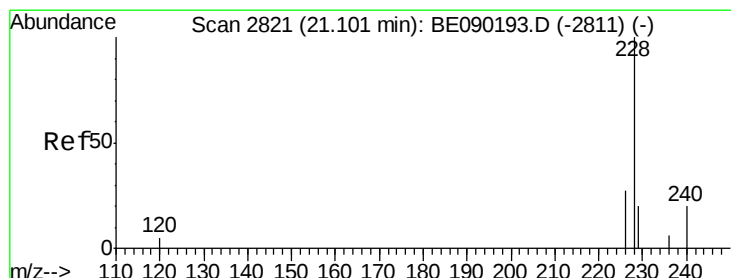
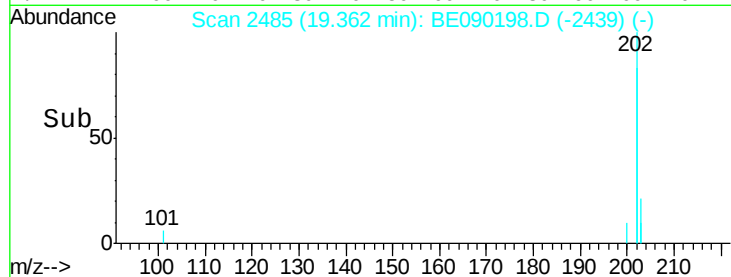
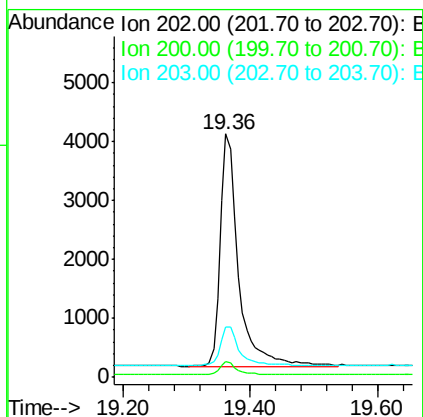
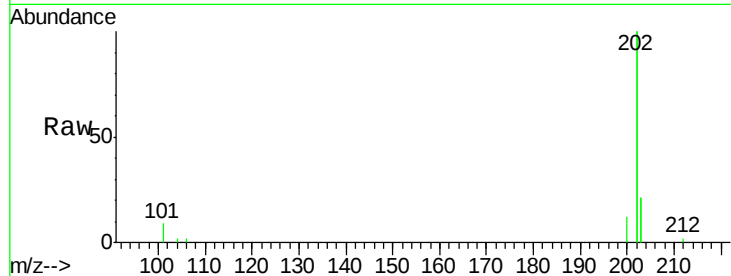
Tgt Ion:202 Resp: 7761
 Ion Ratio Lower Upper
 202 100
 101 3.2 0.0 23.0
 203 21.4 0.0 37.0





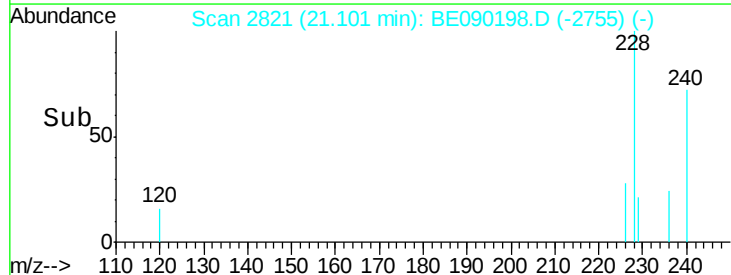
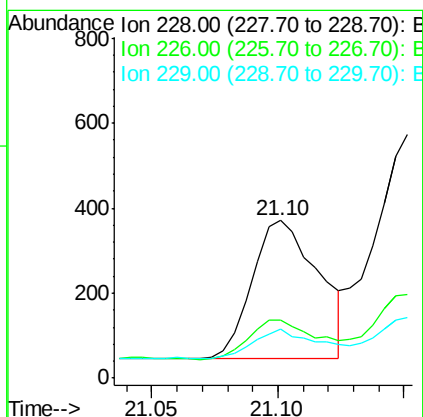
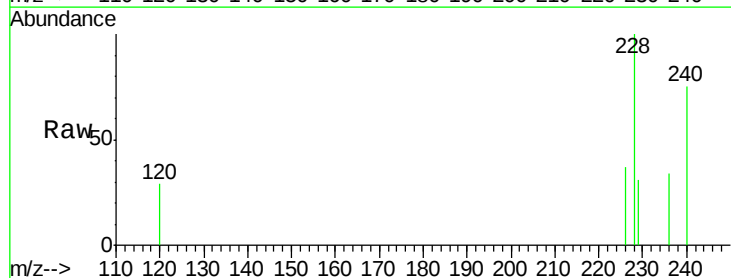
#17
 Pyrene
 Concen: 0.17 ng/ul
 RT: 19.36 min Scan# 2485
 Delta R.T. 0.00 min
 Lab File: BE090198.D
 Acq: 21 Jul 2015 6:26

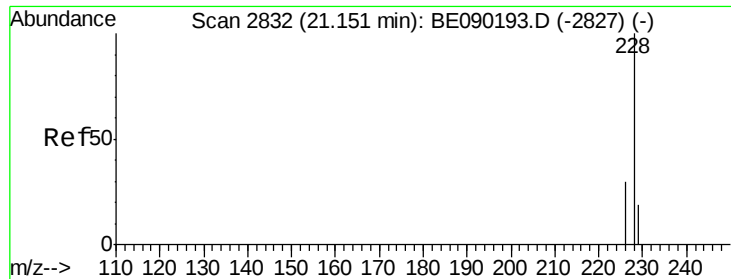
Tgt Ion: 202 Resp: 7836
 Ion Ratio Lower Upper
 202 100
 200 6.2 4.3 6.5
 203 20.6 14.6 21.8



#18
 Benzo(a)anthracene
 Concen: 0.06 ng/ul
 RT: 21.10 min Scan# 2821
 Delta R.T. 0.00 min
 Lab File: BE090198.D
 Acq: 21 Jul 2015 6:26

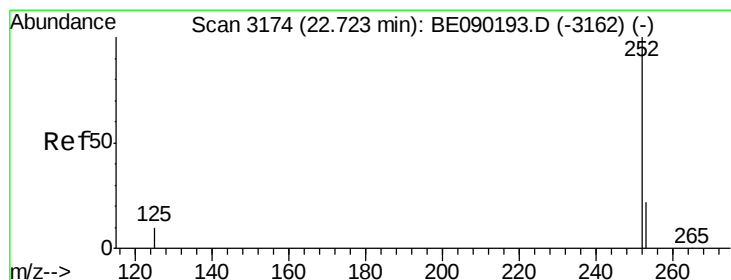
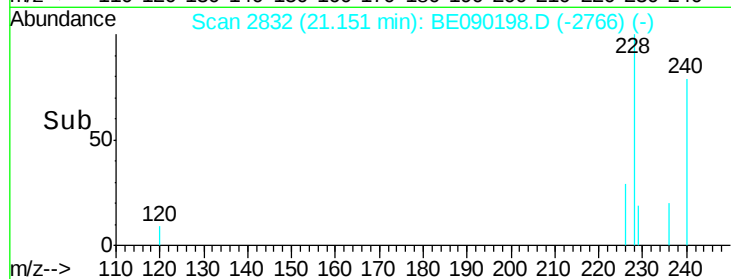
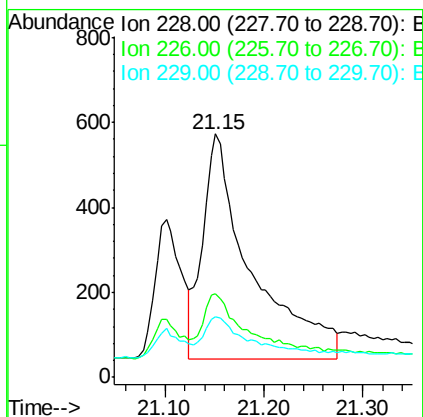
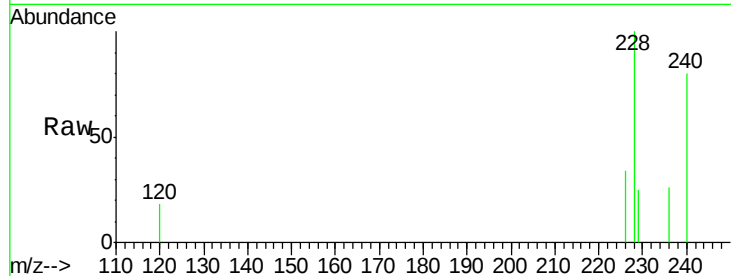
Tgt Ion: 228 Resp: 594
 Ion Ratio Lower Upper
 228 100
 226 36.9 22.2 33.4#
 229 31.0 16.9 25.3#





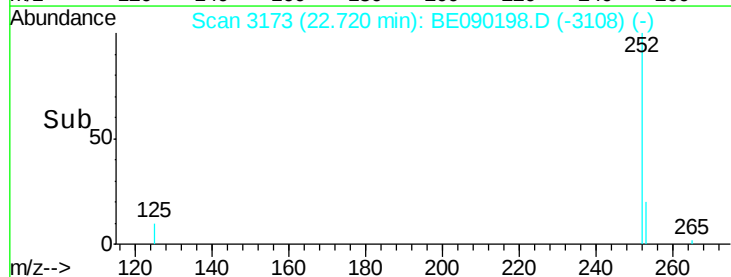
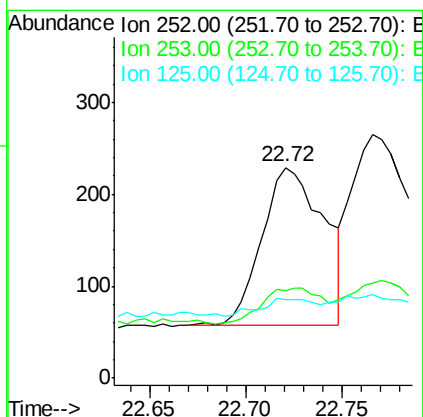
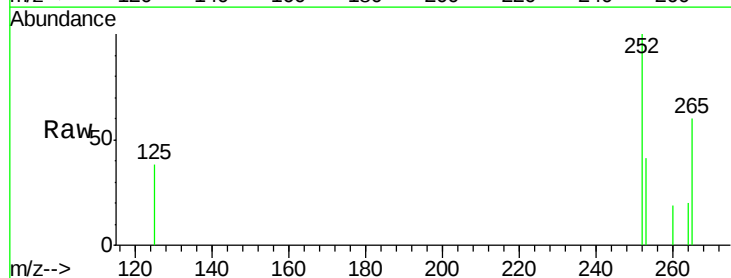
#19
Chrysene
Concen: 0.16 ng/ul m
RT: 21.15 min Scan# 2832
Delta R.T. 0.00 min
Lab File: BE090198.D
Acq: 21 Jul 2015 6:26

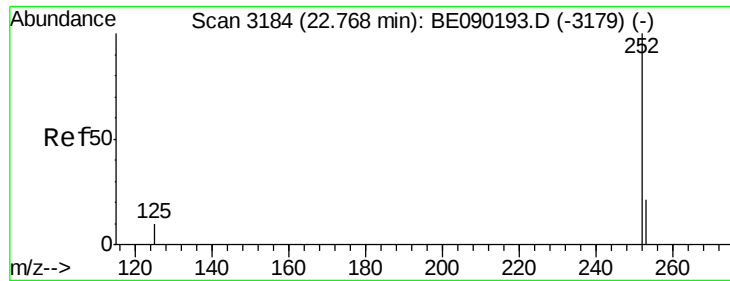
Tgt Ion: 228 Resp: 1813
Ion Ratio Lower Upper
228 100
226 34.4 24.3 36.5
229 25.1 16.6 24.8#



#21
Benzo(b)fluoranthene
Concen: 0.06 ng/ul
RT: 22.72 min Scan# 3173
Delta R.T. -0.00 min
Lab File: BE090198.D
Acq: 21 Jul 2015 6:26

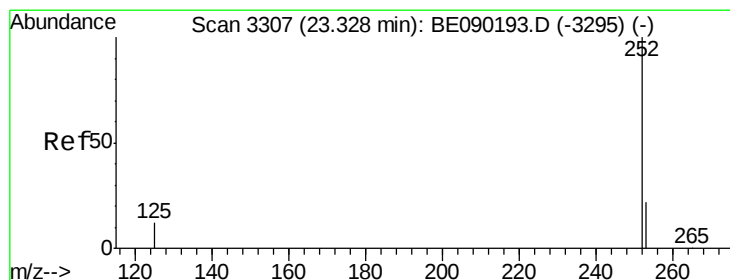
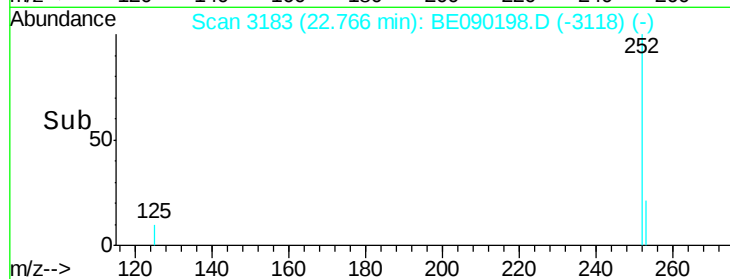
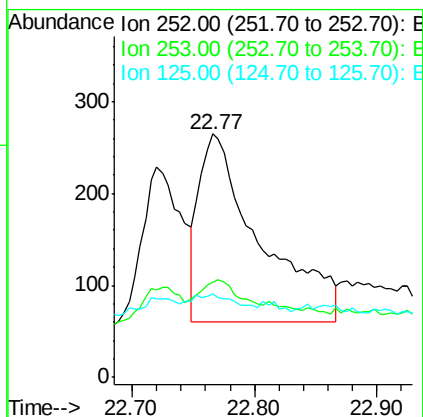
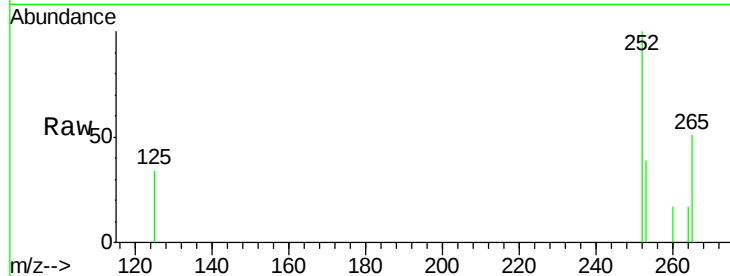
Tgt Ion: 252 Resp: 386
Ion Ratio Lower Upper
252 100
253 41.5 0.0 46.8
125 37.6 0.0 25.4#





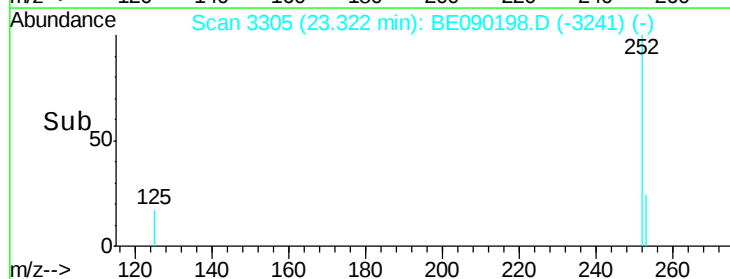
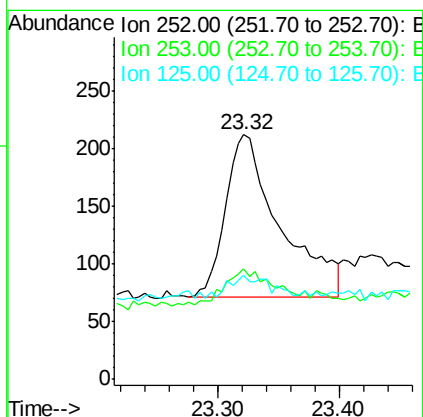
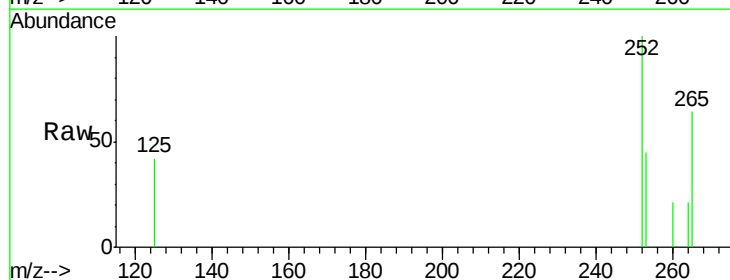
#22
Benzo(k)fluoranthene
Concen: 0.08 ng/ul m
RT: 22.77 min Scan# 3183
Delta R.T. -0.00 min
Lab File: BE090198.D
Acq: 21 Jul 2015 6:26

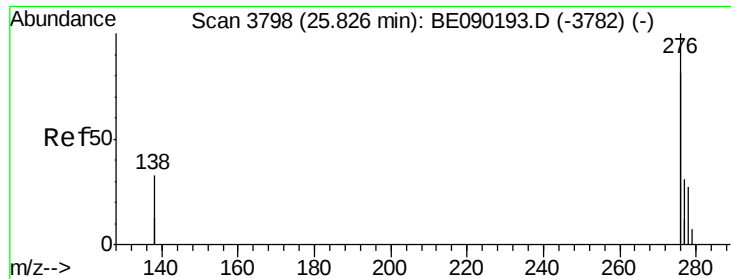
Tgt Ion: 252 Resp: 707
Ion Ratio Lower Upper
252 100
253 38.9 18.3 27.5#
125 34.3 9.8 14.8#



#23
Benzo(a)pyrene
Concen: 0.06 ng/ul
RT: 23.32 min Scan# 3305
Delta R.T. -0.01 min
Lab File: BE090198.D
Acq: 21 Jul 2015 6:26

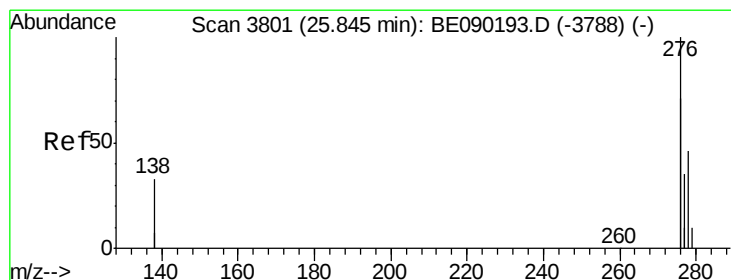
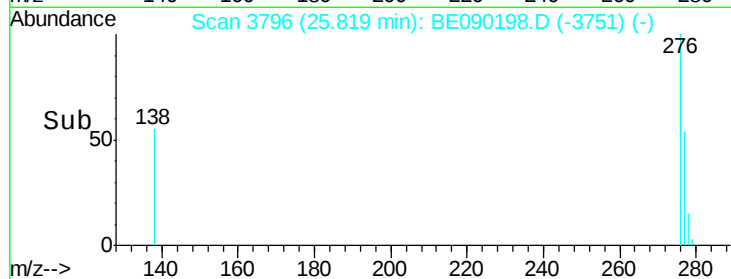
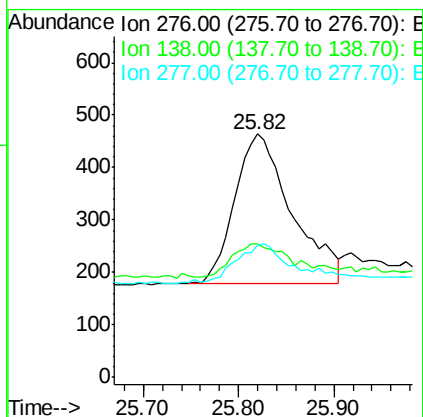
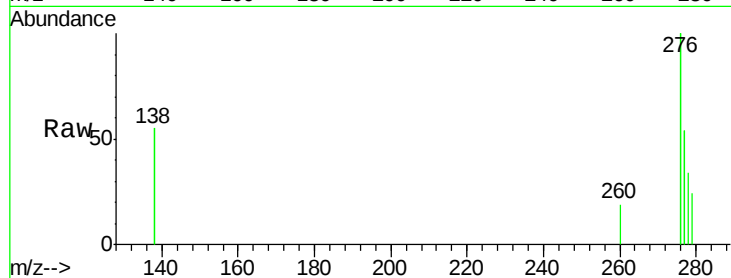
Tgt Ion: 252 Resp: 441
Ion Ratio Lower Upper
252 100
253 44.8 18.4 27.6#
125 42.5 11.5 17.3#





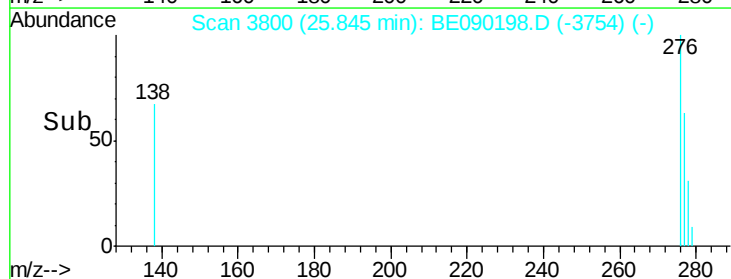
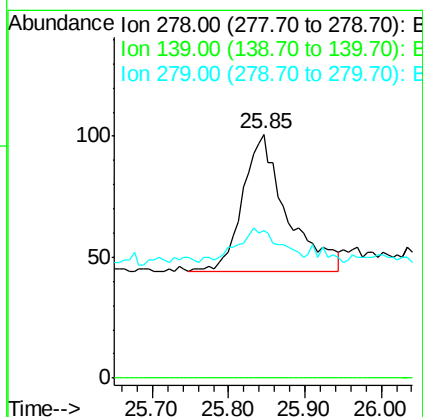
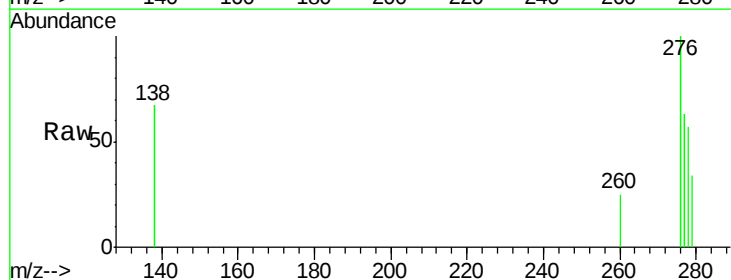
#24
 Indeno(1,2,3-cd)pyrene
 Concen: 0.04 ng/ul
 RT: 25.82 min Scan# 3796
 Delta R.T. -0.01 min
 Lab File: BE090198.D
 Acq: 21 Jul 2015 6:26

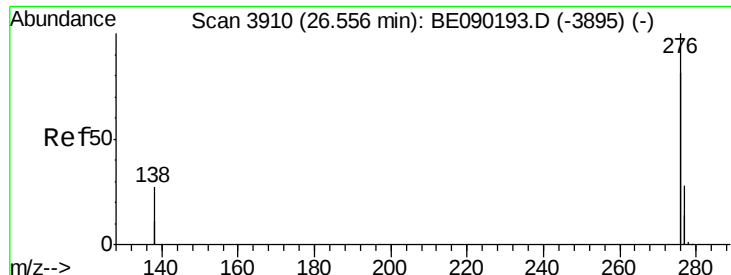
Tgt Ion: 276 Resp: 1194
 Ion Ratio Lower Upper
 276 100
 138 26.4 19.8 29.8
 277 21.9 19.8 29.6



#25
 Dibenzo(a,h)anthracene
 Concen: 0.04 ng/ul
 RT: 25.85 min Scan# 3800
 Delta R.T. 0.00 min
 Lab File: BE090198.D
 Acq: 21 Jul 2015 6:26

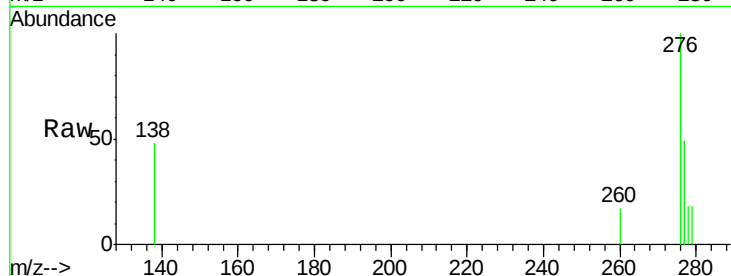
Tgt Ion: 278 Resp: 228
 Ion Ratio Lower Upper
 278 100
 139 0.0 0.0 0.0
 279 60.4 20.0 30.0#





#26
 Benzo(g,h,i)perylene
 Concen: 0.07 ng/ul
 RT: 26.55 min Scan# 3908
 Delta R.T. -0.01 min
 Lab File: BE090198.D
 Acq: 21 Jul 2015 6:26

Tgt Ion: 276 Resp: 1980
 Ion Ratio Lower Upper
 276 100
 277 48.9 20.6 31.0#
 138 47.8 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

