

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE072115\
 Data File : BE090195.D
 Acq On : 21 Jul 2015 4:38
 Operator : TP/IZ
 Sample : MDL-02-W
 Misc : MDL-WATER-SIM2.2-0.15PPM
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jul 21 07:26:41 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	7.60	152	822	0.40	ng/ul	0.00
2) Naphthalene-d8	10.37	136	3937	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.21	164	2276	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.94	188	6109	0.40	ng/ul	0.00
16) Chrysene-d12	21.12	240	4877	0.40	ng/ul	0.00
20) Perylene-d12	23.43	264	3219	0.40	ng/ul	0.00

System Monitoring Compounds

4) 2-Methylnaphthalene-d10	11.96	152	2505	0.40	ng/ul	0.00
14) Fluoranthene-d10	18.98	212	6671	0.36	ng/ul	0.00

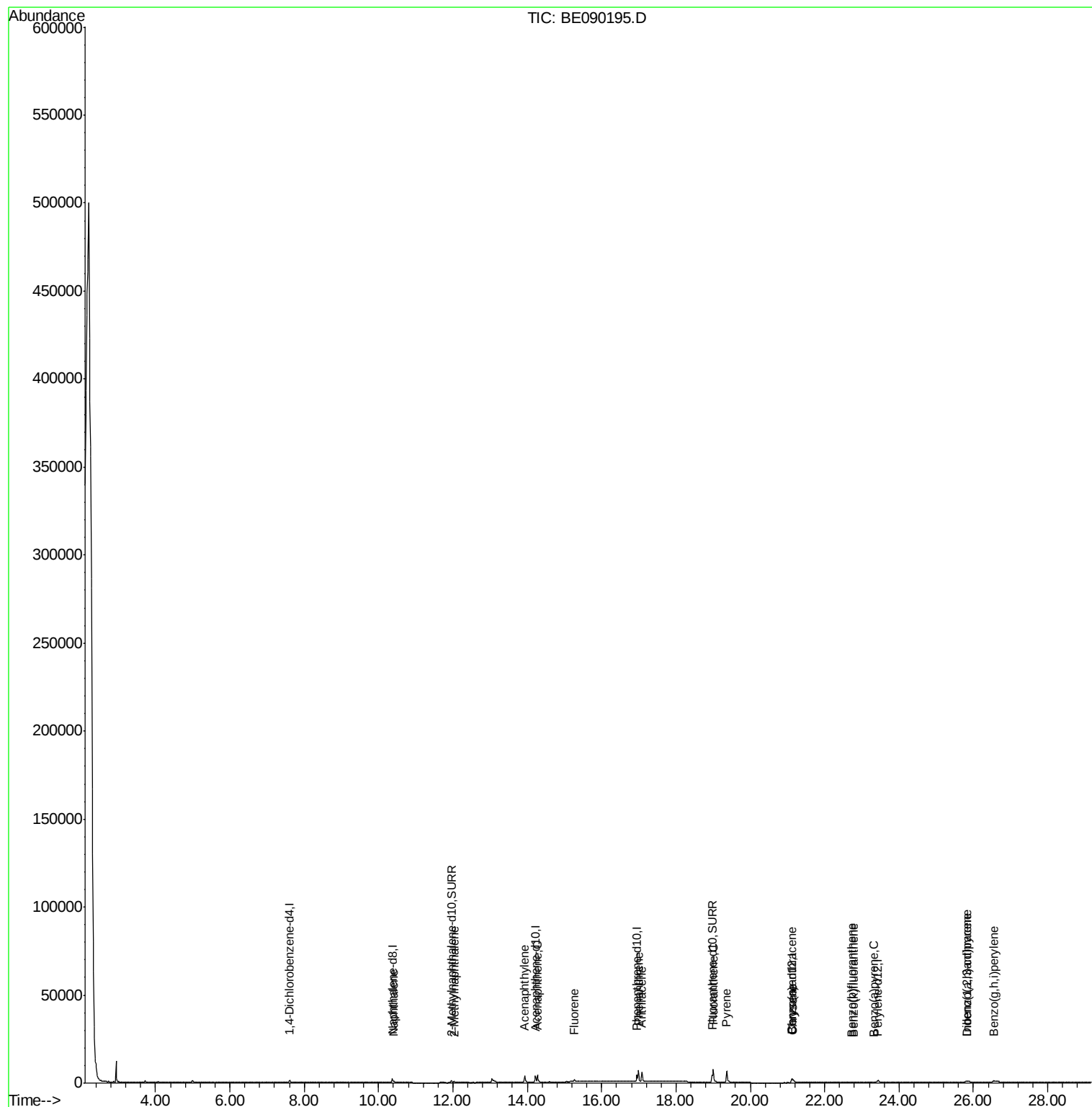
Target Compounds

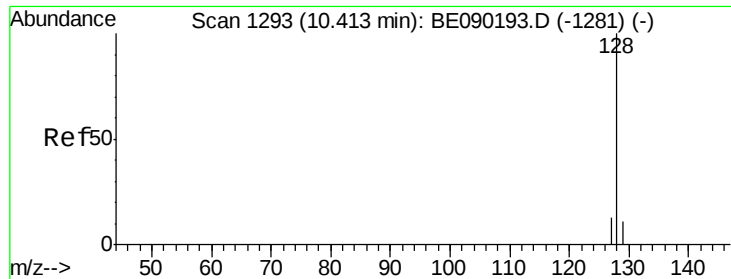
						Qvalue
3) Naphthalene	10.42	128	1227	0.12	ng/ul#	89
5) 2-Methylnaphthalene	12.03	142	826	0.12	ng/ul	99
7) Acenaphthylene	13.93	152	5588	0.12	ng/ul#	93
8) Acenaphthene	14.27	153	4098	0.12	ng/ul	95
9) Fluorene	15.27	166	1152	0.11	ng/ul#	98
12) Phenanthrene	16.99	178	8084	0.11	ng/ul	95
13) Anthracene	17.07	178	8264m	0.12	ng/ul	
15) Fluoranthene	19.00	202	9505	0.11	ng/ul	92
17) Pyrene	19.36	202	9645	0.16	ng/ul	96
18) Benzo(a)anthracene	21.10	228	888m	0.07	ng/ul	
19) Chrysene	21.15	228	2312m	0.15	ng/ul	
21) Benzo(b)fluoranthene	22.72	252	481	0.05	ng/ul#	67
22) Benzo(k)fluoranthene	22.77	252	1227m	0.10	ng/ul	
23) Benzo(a)pyrene	23.32	252	592	0.06	ng/ul#	61
24) Indeno(1,2,3-cd)pyrene	25.82	276	1863	0.04	ng/ul	94
25) Dibenzo(a,h)anthracene	25.83	278	263	0.03	ng/ul#	38
26) Benzo(g,h,i)perylene	26.56	276	2568	0.07	ng/ul#	63

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

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#3

Naphthalene

Concen: 0.12 ng/ul

RT: 10.42 min Scan# 1294

Delta R.T. 0.00 min

Lab File: BE090195.D

Acq: 21 Jul 2015 4:38

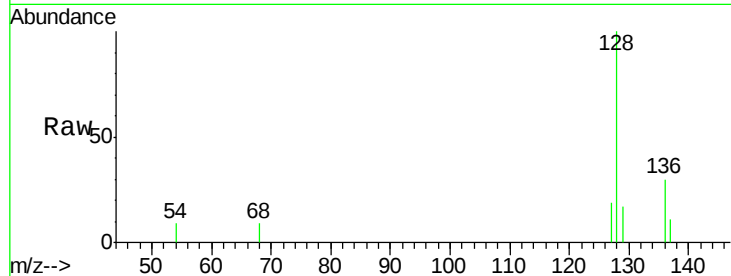
Tgt Ion:128 Resp: 1227

Ion Ratio Lower Upper

128 100

129 17.1 10.2 15.4#

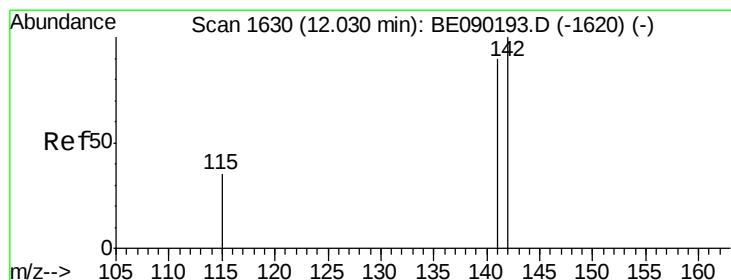
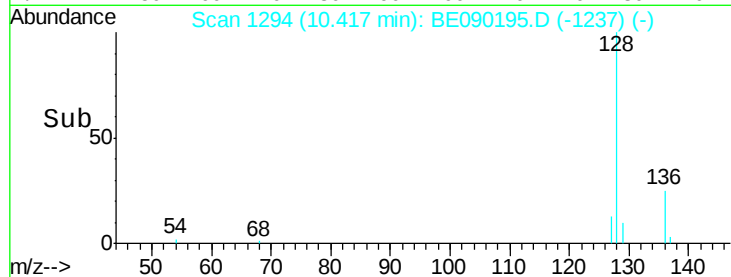
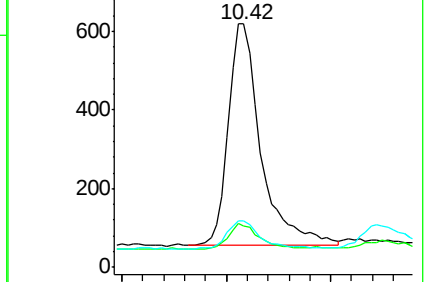
127 19.2 11.9 17.9#



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: 0.12 ng/ul

RT: 12.03 min Scan# 1630

Delta R.T. -0.00 min

Lab File: BE090195.D

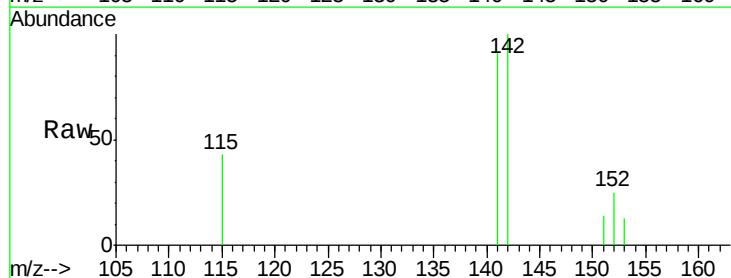
Acq: 21 Jul 2015 4:38

Tgt Ion:142 Resp: 826

Ion Ratio Lower Upper

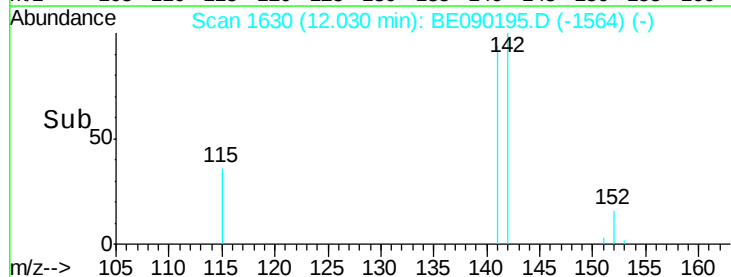
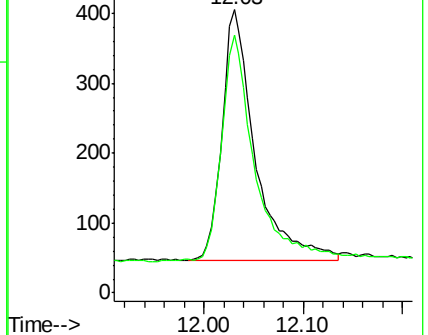
142 100

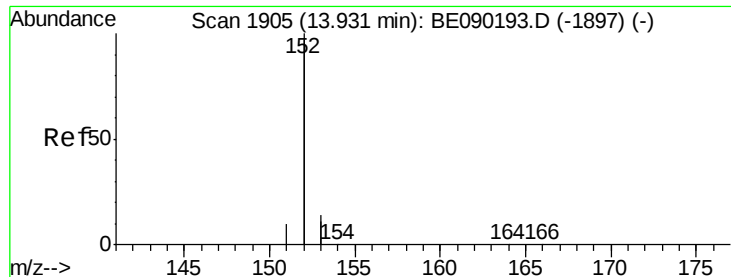
141 92.4 73.4 110.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.12 ng/ul

RT: 13.93 min Scan# 1905

Delta R.T. 0.00 min

Lab File: BE090195.D

Acq: 21 Jul 2015 4:38

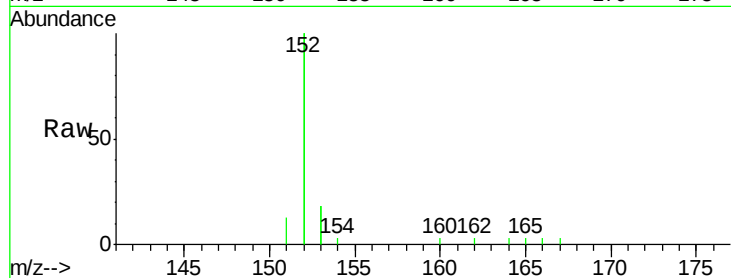
Tgt Ion:152 Resp: 5588

Ion Ratio Lower Upper

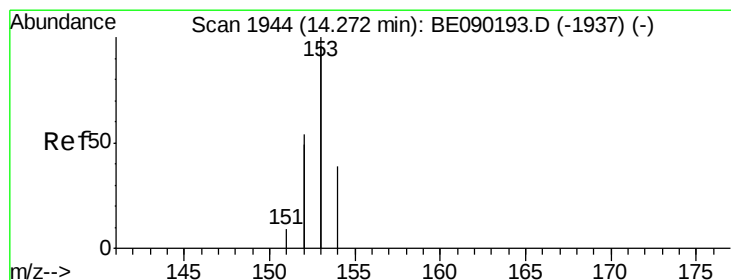
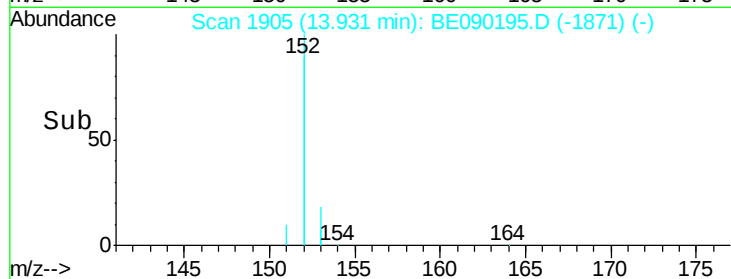
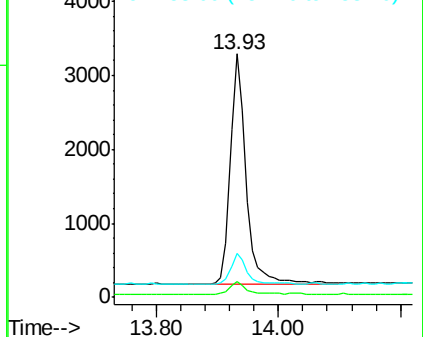
152 100

151 6.3 4.2 6.4

153 18.2 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: 0.12 ng/ul

RT: 14.27 min Scan# 1944

Delta R.T. 0.00 min

Lab File: BE090195.D

Acq: 21 Jul 2015 4:38

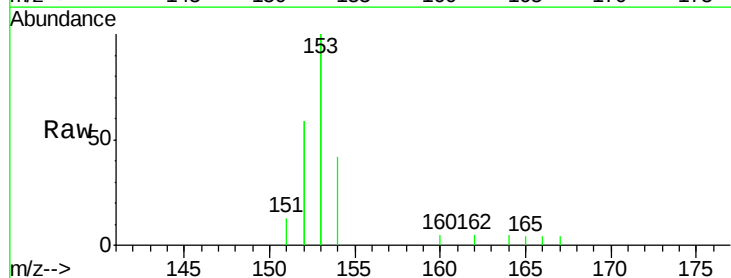
Tgt Ion:153 Resp: 4098

Ion Ratio Lower Upper

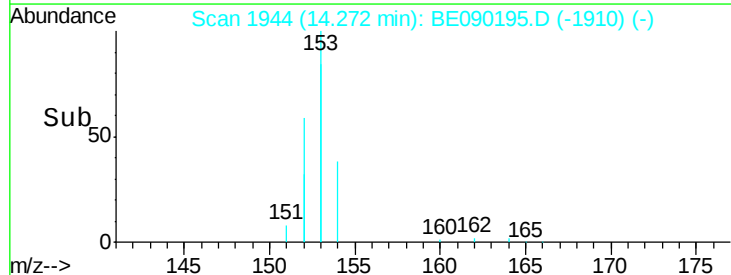
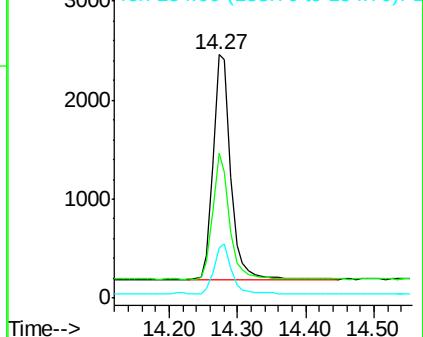
153 100

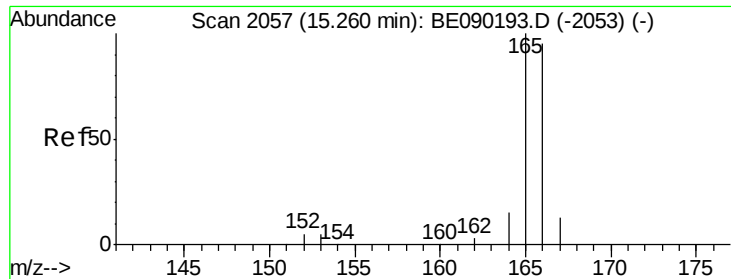
152 59.3 43.8 65.8

154 20.9 16.8 25.2



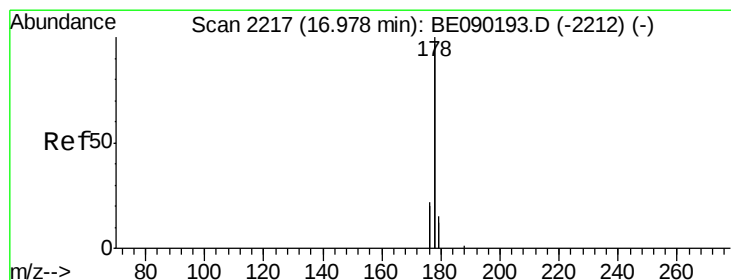
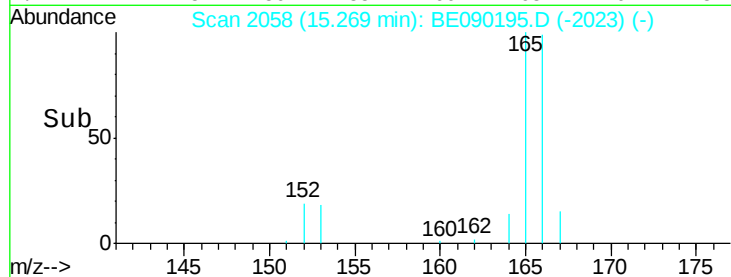
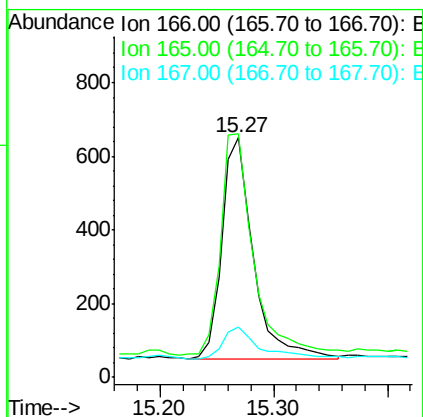
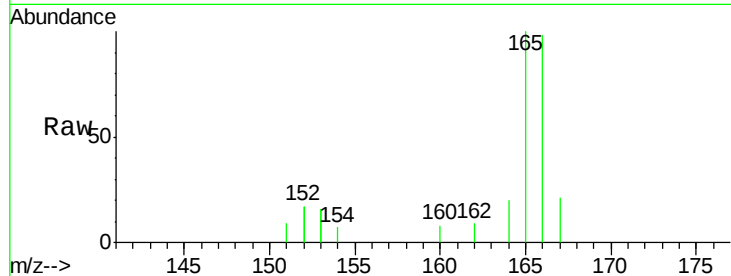
Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E





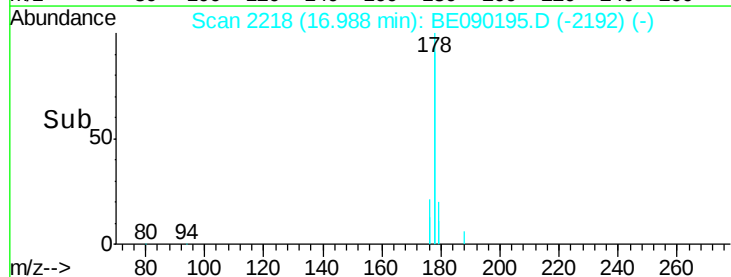
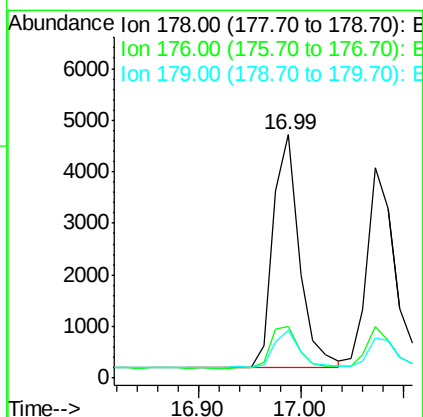
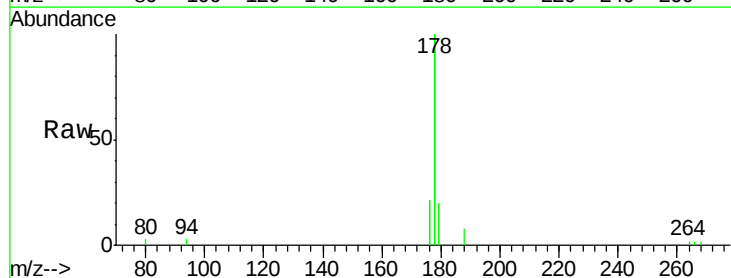
#9
Fluorene
 Concen: 0.11 ng/ul
 RT: 15.27 min Scan# 2058
 Delta R.T. 0.01 min
 Lab File: BE090195.D
 Acq: 21 Jul 2015 4:38

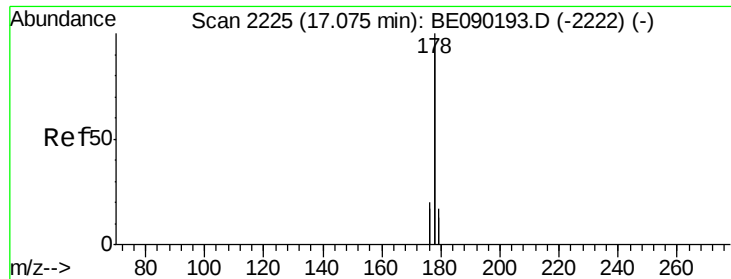
Tgt Ion:166 Resp: 1152
 Ion Ratio Lower Upper
 166 100
 165 101.7 81.2 121.8
 167 21.2 12.6 19.0#



#12
Phenanthrene
 Concen: 0.11 ng/ul
 RT: 16.99 min Scan# 2218
 Delta R.T. 0.01 min
 Lab File: BE090195.D
 Acq: 21 Jul 2015 4:38

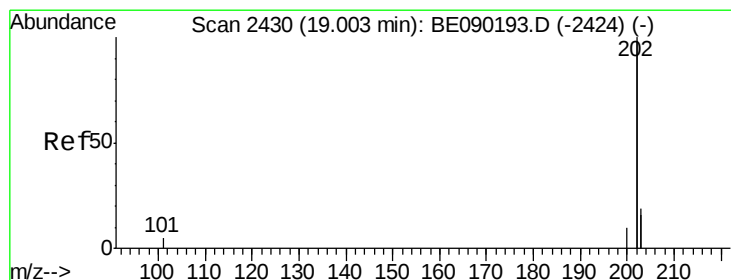
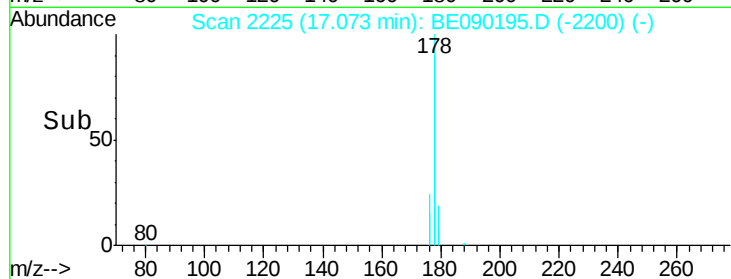
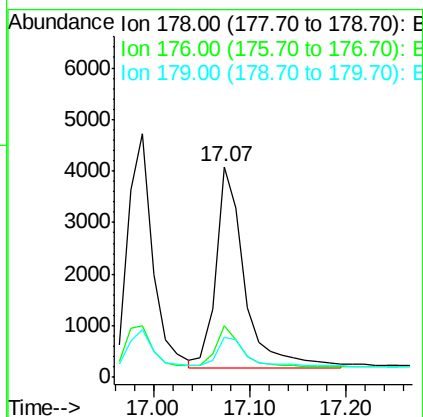
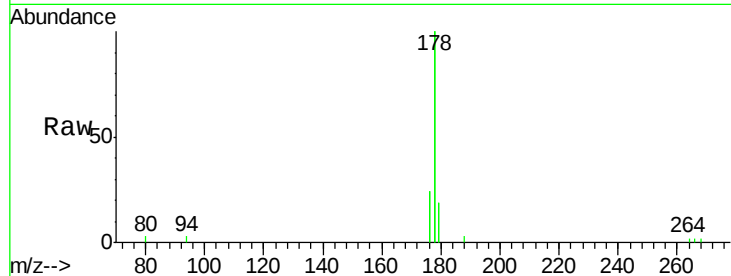
Tgt Ion:178 Resp: 8084
 Ion Ratio Lower Upper
 178 100
 176 21.2 15.3 22.9
 179 19.8 14.0 21.0





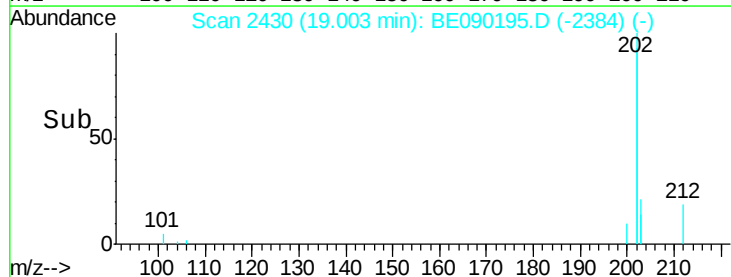
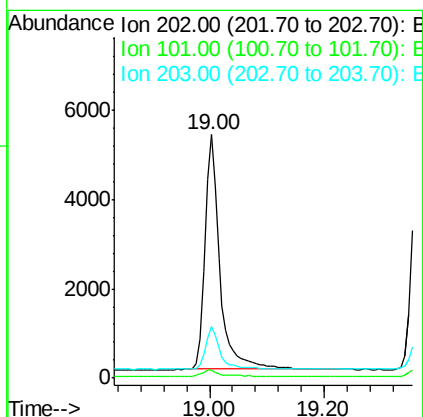
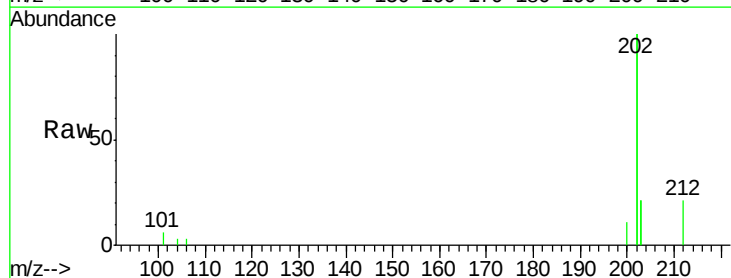
#13
 Anthracene
 Concen: 0.12 ng/ul m
 RT: 17.07 min Scan# 2225
 Delta R.T. -0.00 min
 Lab File: BE090195.D
 Acq: 21 Jul 2015 4:38

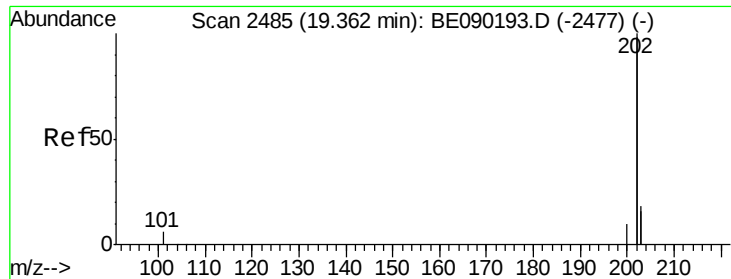
Tgt Ion:178 Resp: 8264
 Ion Ratio Lower Upper
 178 100
 176 24.5 16.0 24.0#
 179 18.9 13.4 20.0



#15
 Fluoranthene
 Concen: 0.11 ng/ul
 RT: 19.00 min Scan# 2430
 Delta R.T. -0.00 min
 Lab File: BE090195.D
 Acq: 21 Jul 2015 4:38

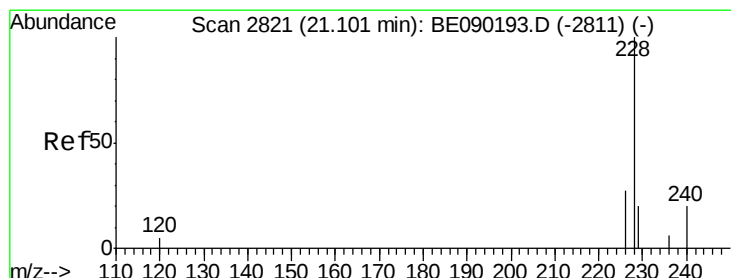
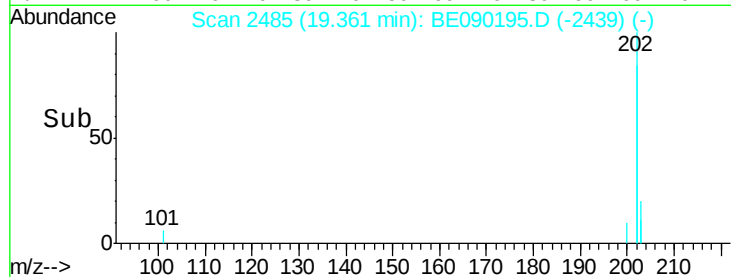
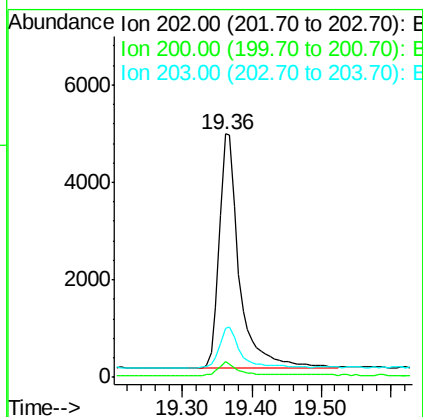
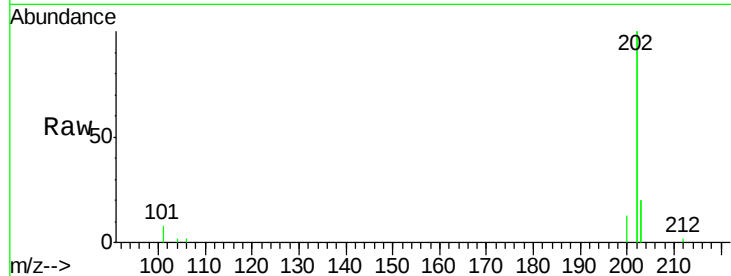
Tgt Ion:202 Resp: 9505
 Ion Ratio Lower Upper
 202 100
 101 3.2 0.0 23.0
 203 21.0 0.0 37.0





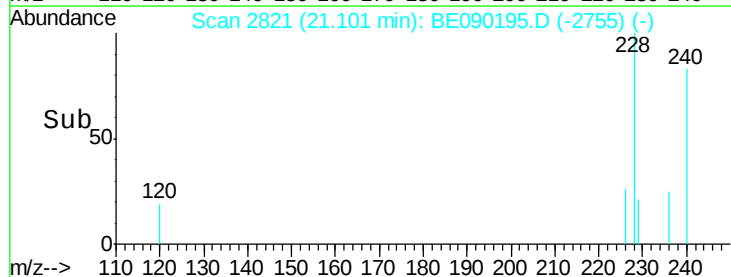
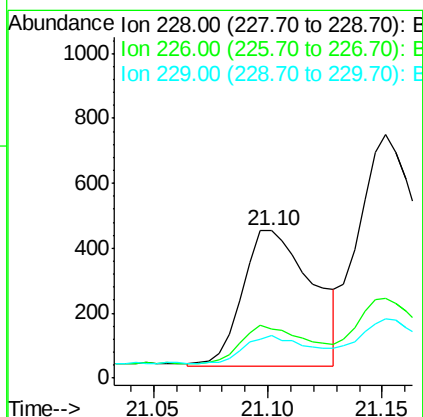
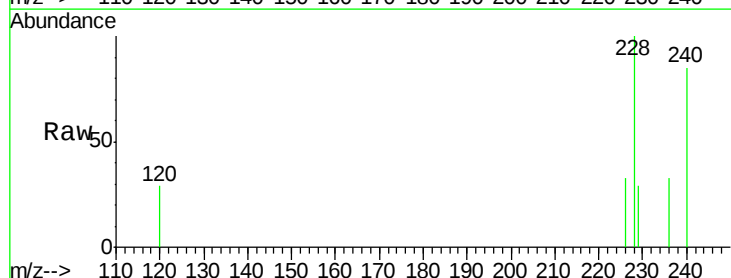
#17
 Pyrene
 Concen: 0.16 ng/ul
 RT: 19.36 min Scan# 2485
 Delta R.T. -0.00 min
 Lab File: BE090195.D
 Acq: 21 Jul 2015 4:38

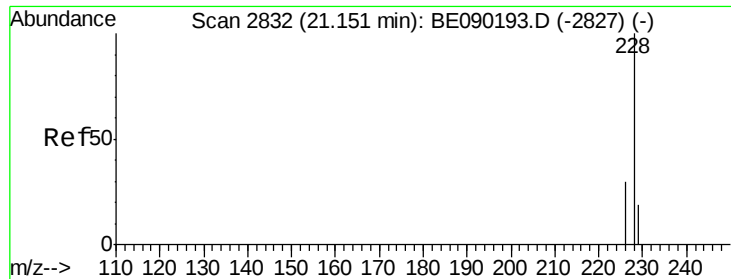
Tgt Ion: 202 Resp: 9645
 Ion Ratio Lower Upper
 202 100
 200 6.3 4.3 6.5
 203 19.9 14.6 21.8



#18
 Benzo(a)anthracene
 Concen: 0.07 ng/ul m
 RT: 21.10 min Scan# 2821
 Delta R.T. 0.00 min
 Lab File: BE090195.D
 Acq: 21 Jul 2015 4:38

Tgt Ion: 228 Resp: 888
 Ion Ratio Lower Upper
 228 100
 226 33.5 22.2 33.4#
 229 28.9 16.9 25.3#





#19

Chrysene

Concen: 0.15 ng/ul m

RT: 21.15 min Scan# 2832

Delta R.T. 0.00 min

Lab File: BE090195.D

Acq: 21 Jul 2015 4:38

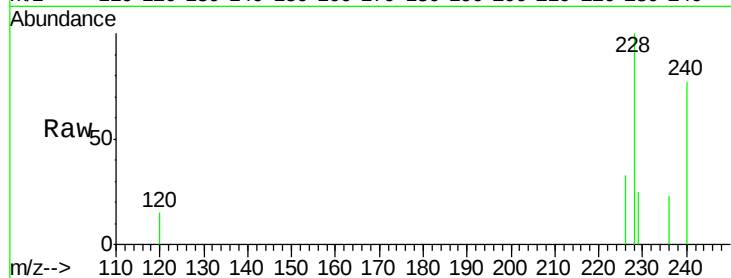
Tgt Ion:228 Resp: 2312

Ion Ratio Lower Upper

228 100

226 32.7 24.3 36.5

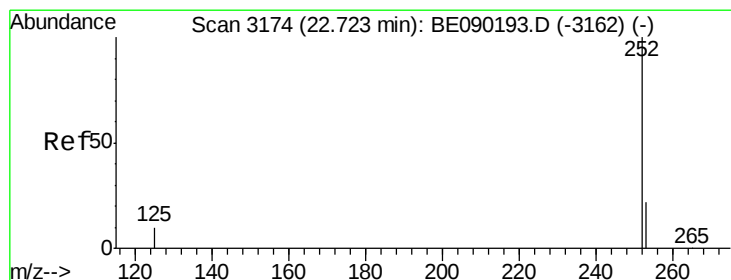
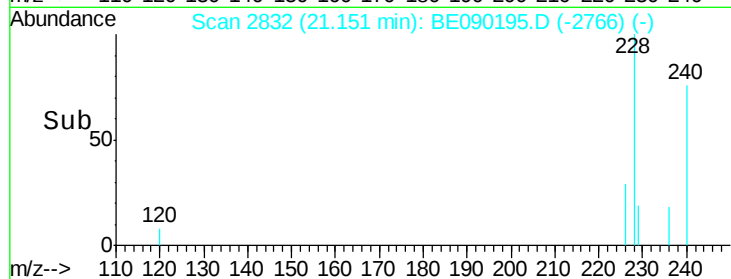
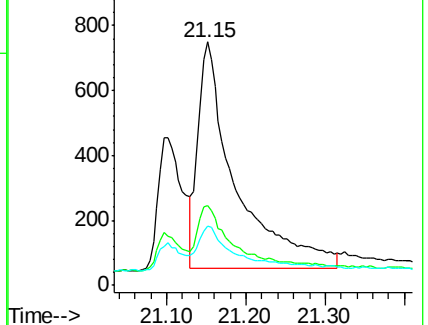
229 24.5 16.6 24.8



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: 0.05 ng/ul

RT: 22.72 min Scan# 3173

Delta R.T. -0.00 min

Lab File: BE090195.D

Acq: 21 Jul 2015 4:38

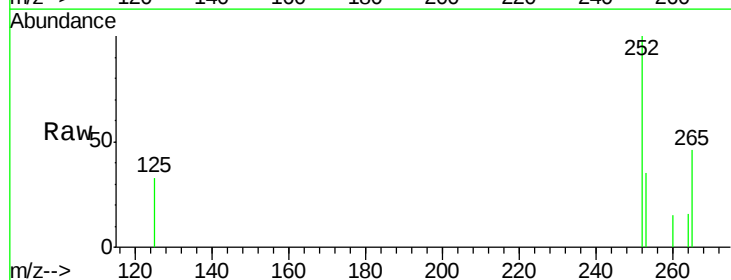
Tgt Ion:252 Resp: 481

Ion Ratio Lower Upper

252 100

253 35.3 0.0 46.8

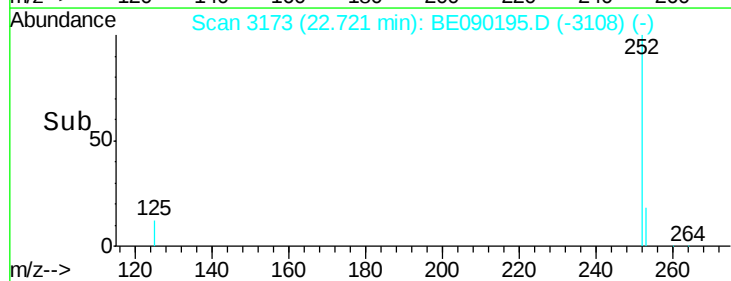
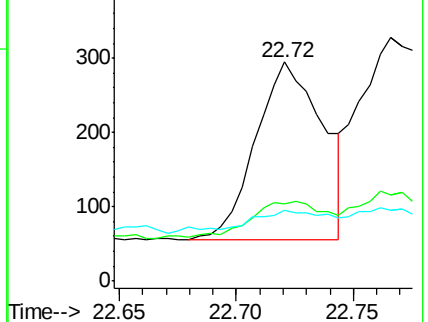
125 32.5 0.0 25.4#

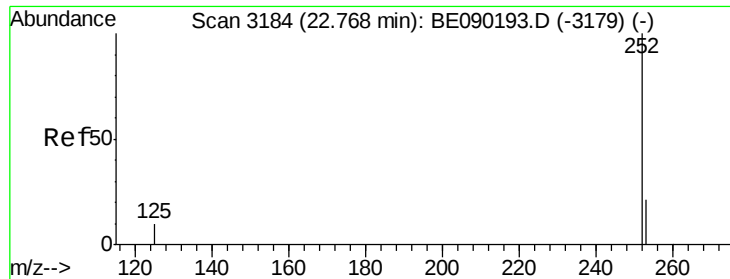


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 0.10 ng/ul m

RT: 22.77 min Scan# 3183

Delta R.T. -0.00 min

Lab File: BE090195.D

Acq: 21 Jul 2015 4:38

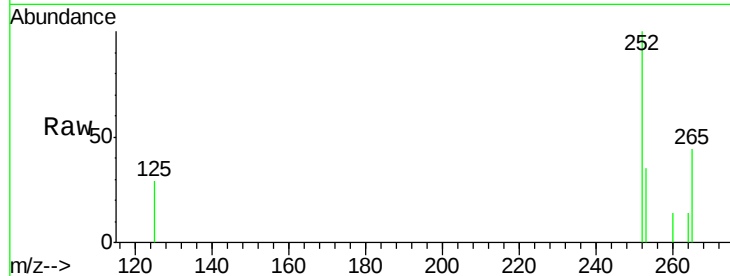
Tgt Ion: 252 Resp: 1227

Ion Ratio Lower Upper

252 100

253 35.4 18.3 27.5#

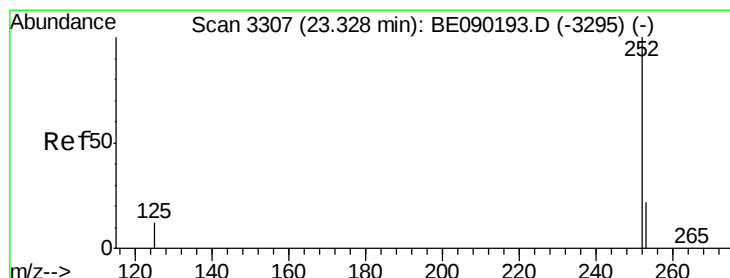
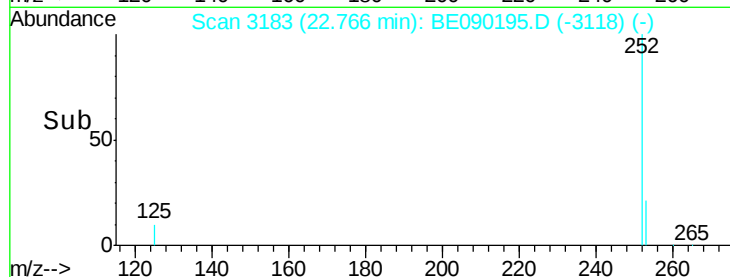
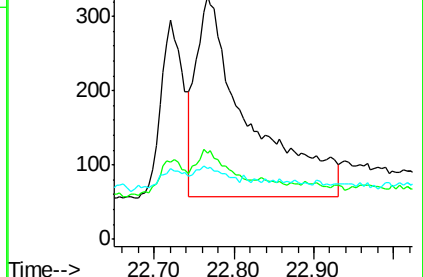
125 29.0 9.8 14.8#



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: 0.06 ng/ul

RT: 23.32 min Scan# 3305

Delta R.T. -0.01 min

Lab File: BE090195.D

Acq: 21 Jul 2015 4:38

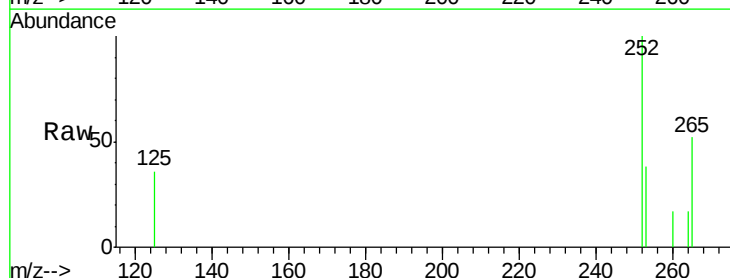
Tgt Ion: 252 Resp: 592

Ion Ratio Lower Upper

252 100

253 38.3 18.4 27.6#

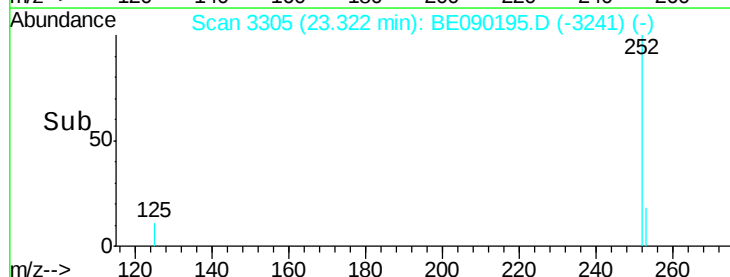
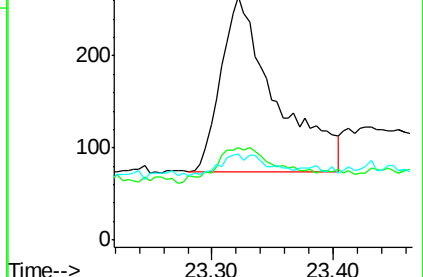
125 35.6 11.5 17.3#

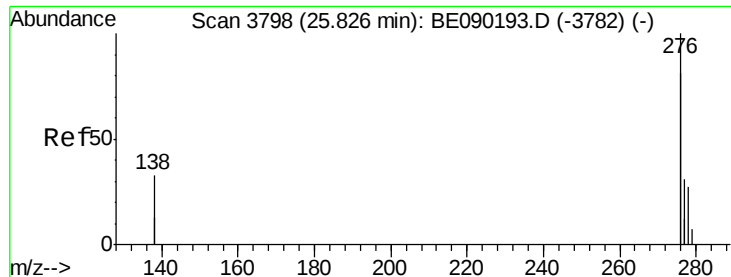


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

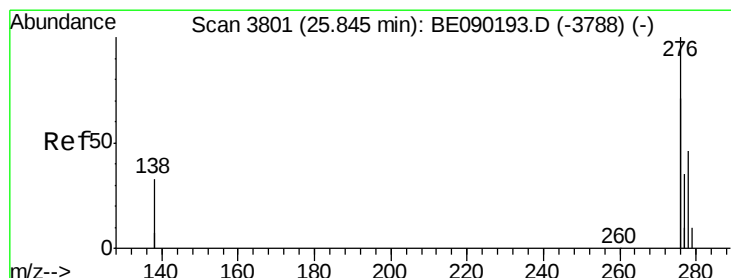
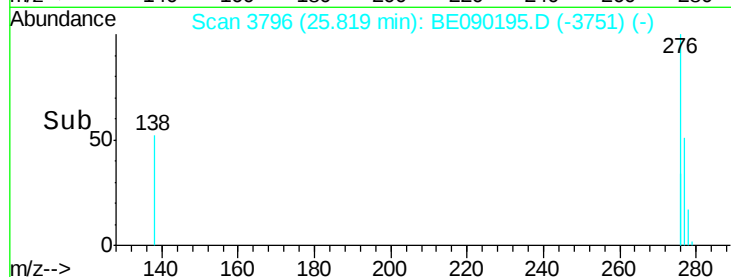
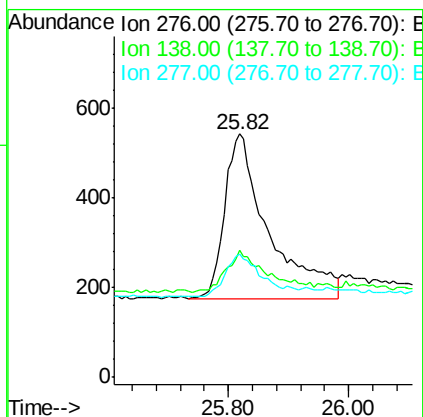
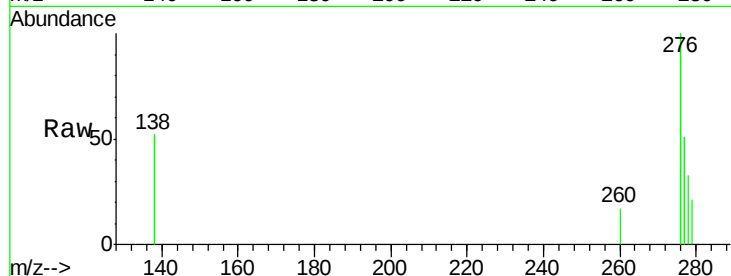
Ion 125.00 (124.70 to 125.70): E





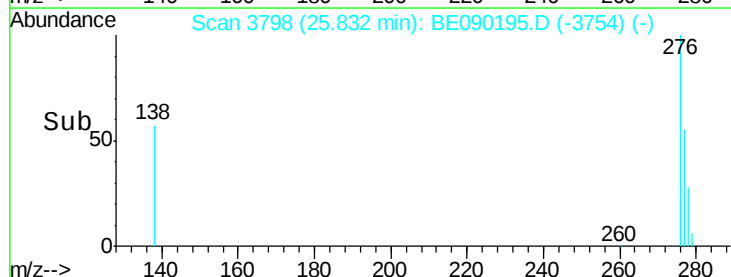
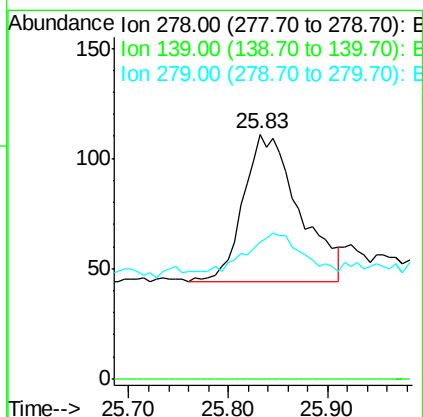
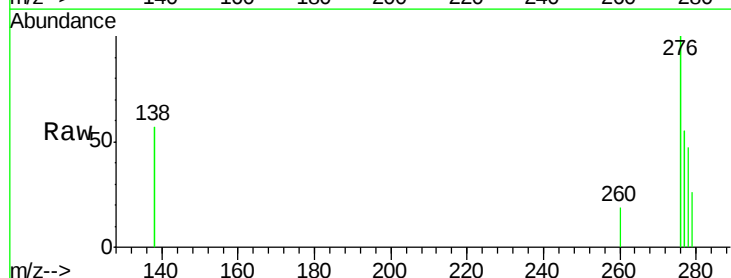
#24
 Indeno(1,2,3-cd)pyrene
 Concen: 0.04 ng/ul
 RT: 25.82 min Scan# 3796
 Delta R.T. -0.01 min
 Lab File: BE090195.D
 Acq: 21 Jul 2015 4:38

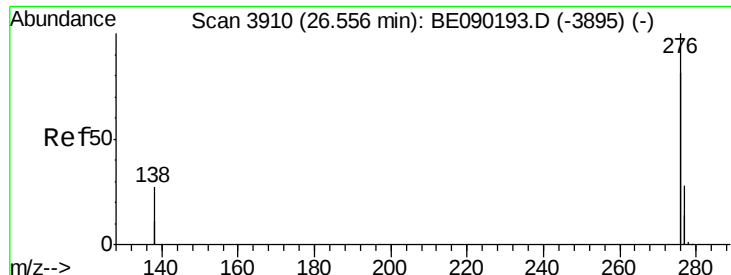
Tgt Ion: 276 Resp: 1863
 Ion Ratio Lower Upper
 276 100
 138 23.0 19.8 29.8
 277 20.3 19.8 29.6



#25
 Dibenzo(a,h)anthracene
 Concen: 0.03 ng/ul
 RT: 25.83 min Scan# 3798
 Delta R.T. -0.01 min
 Lab File: BE090195.D
 Acq: 21 Jul 2015 4:38

Tgt Ion: 278 Resp: 263
 Ion Ratio Lower Upper
 278 100
 139 0.0 0.0 0.0
 279 55.9 20.0 30.0#





#26
 Benzo(g,h,i)perylene
 Concen: 0.07 ng/ul
 RT: 26.56 min Scan# 3909
 Delta R.T. -0.00 min
 Lab File: BE090195.D
 Acq: 21 Jul 2015 4:38

Tgt Ion	Ratio	Lower	Upper
276	100		
277	43.3	20.6	31.0
138	43.6	19.3	28.9

