

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 07:16:32 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

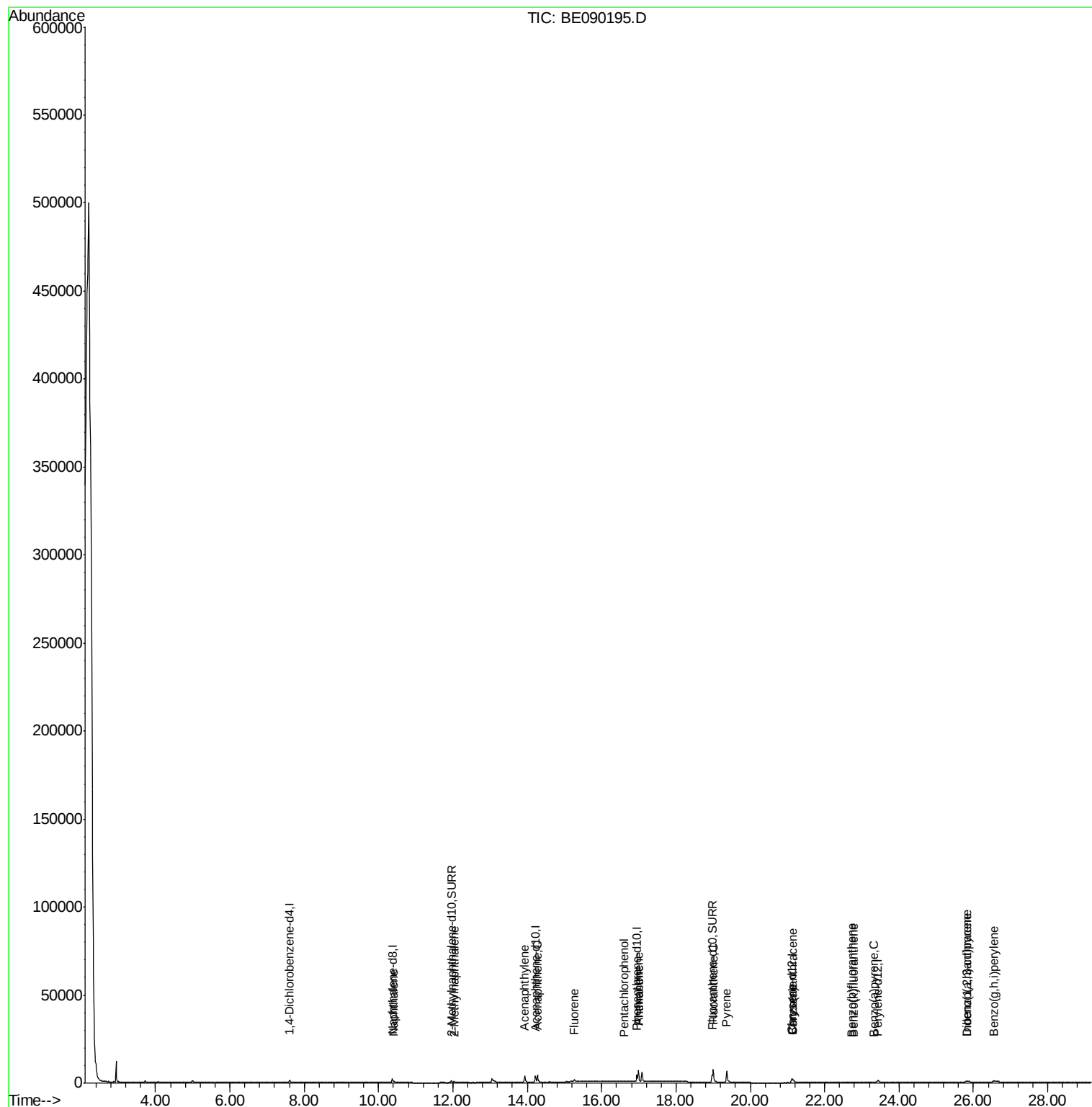
Target Compounds

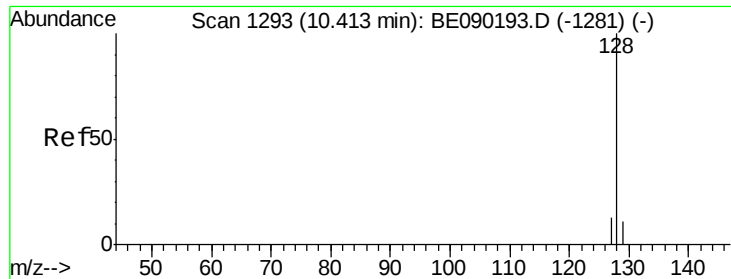
						Qvalue
3) Naphthalene	10.42	128	1227	0.12	ng/ul#	89
5) 2-Methylnaphthalene	12.03	142	826	0.12	ng/ul	99
7) Acenaphthylene	13.93	152	5588	0.12	ng/ul#	93
8) Acenaphthene	14.27	153	4098	0.12	ng/ul	95
9) Fluorene	15.27	166	1152	0.11	ng/ul#	98
11) Pentachlorophenol	16.61	266	17	0.03	ng/ul#	76
12) Phenanthrene	16.99	178	8084	0.11	ng/ul	95
13) Anthracene	16.99	178	8084	0.12	ng/ul	95
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	21.15	228	2042	0.16	ng/ul	92
19) Chrysene	21.15	228	2042	0.13	ng/ul	94
21) Benzo(b)fluoranthene	22.72	252	481	0.05	ng/ul#	67
22) Benzo(k)fluoranthene	22.77	252	865	0.07	ng/ul#	68
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

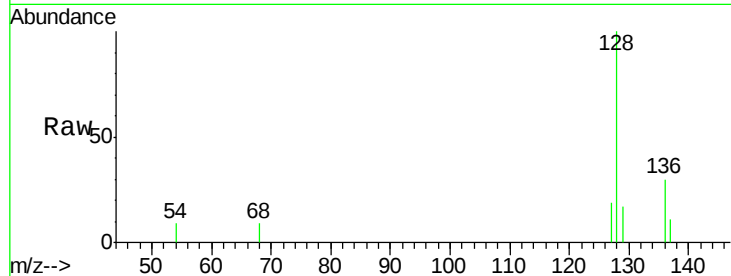
Tgt Ion:128 Resp: 1227

Ion Ratio Lower Upper

128 100

129 17.1 10.2 15.4#

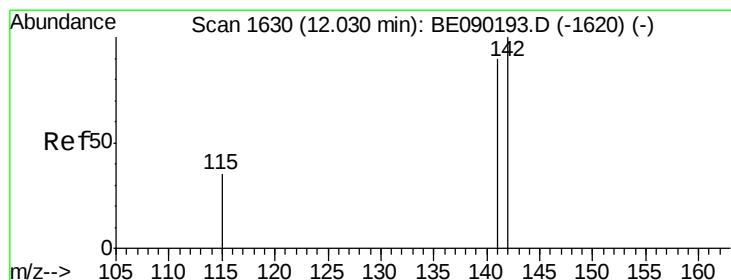
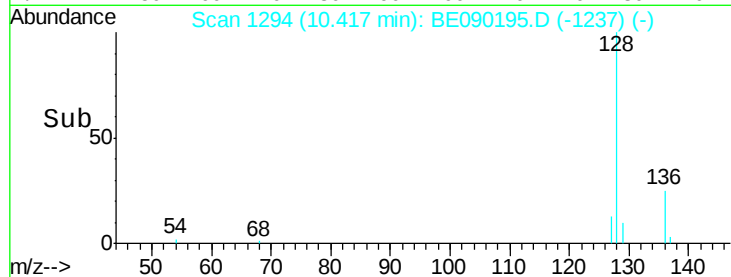
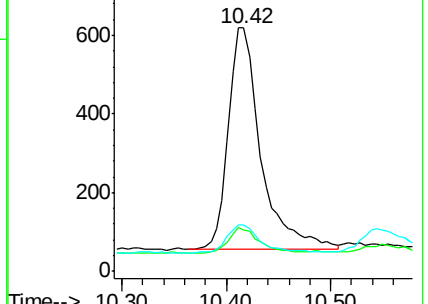
127 19.2 11.9 17.9#



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

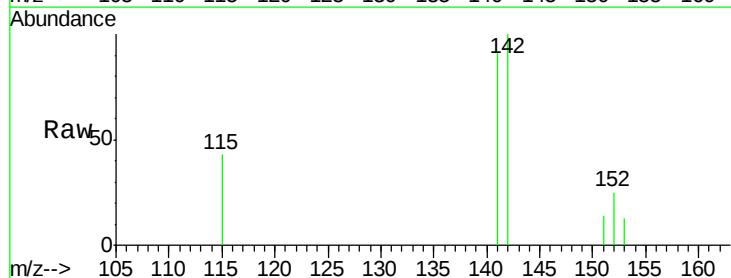
Acq: 21 Jul 2015 4:38

Tgt Ion:142 Resp: 826

Ion Ratio Lower Upper

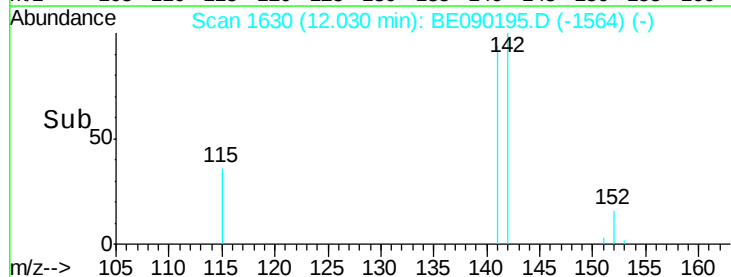
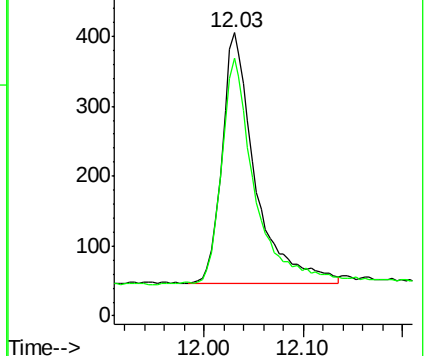
142 100

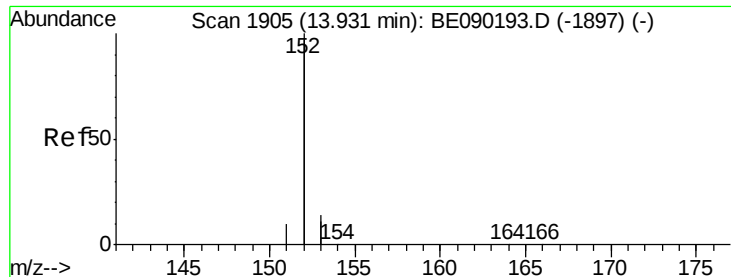
141 92.4 73.4 110.2



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

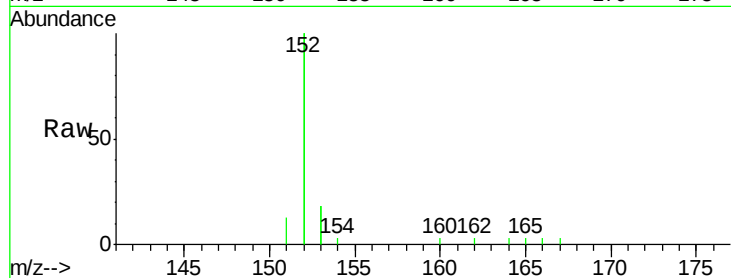
Tgt Ion:152 Resp: 5588

Ion Ratio Lower Upper

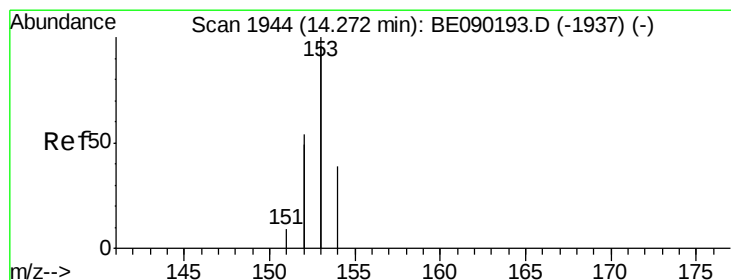
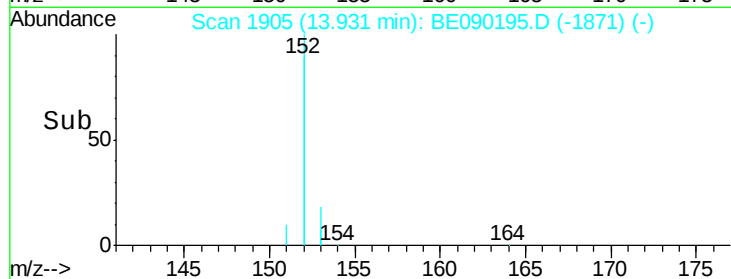
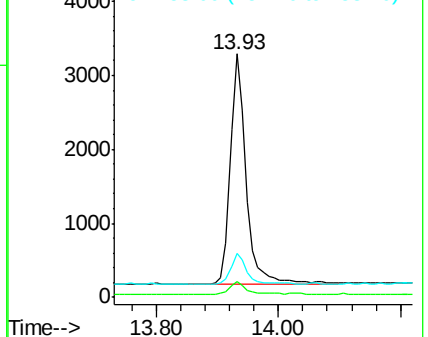
152 100

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

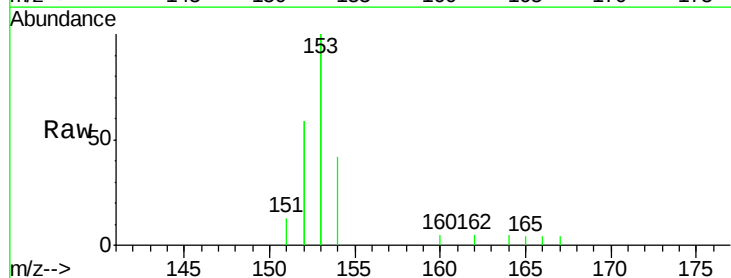
Tgt Ion:153 Resp: 4098

Ion Ratio Lower Upper

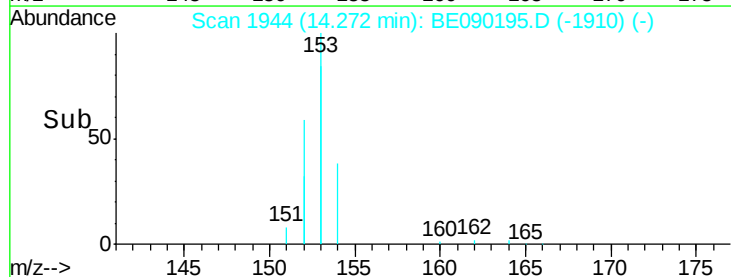
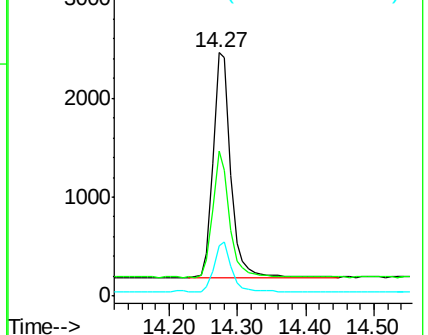
153 100

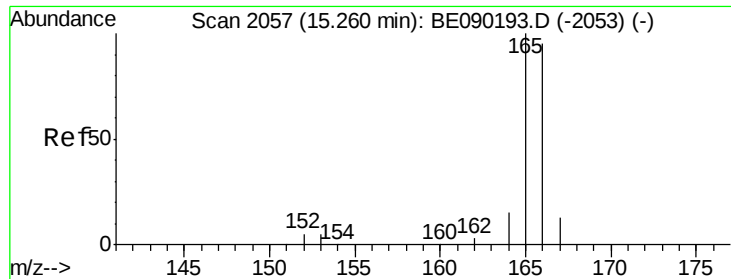
152 59.3 43.8 65.8

154 20.9 16.8 25.2



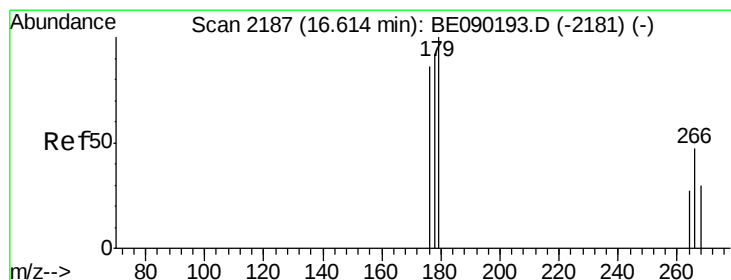
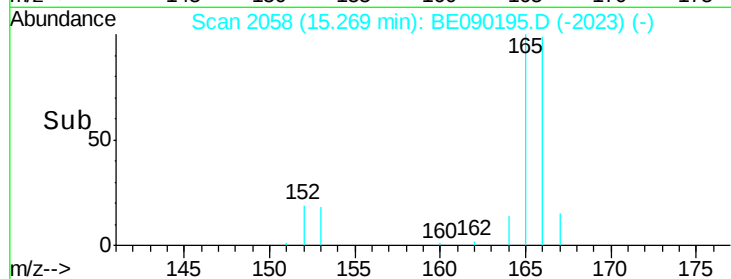
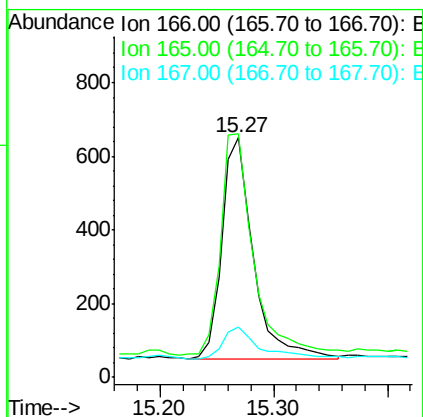
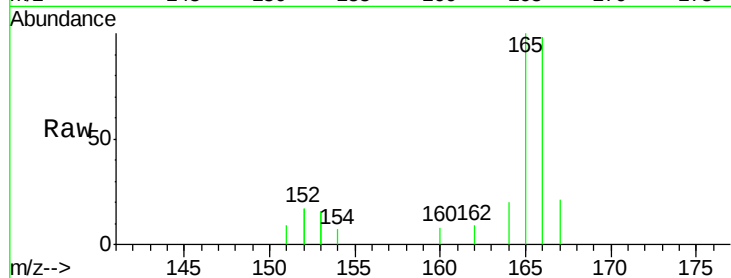
Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E





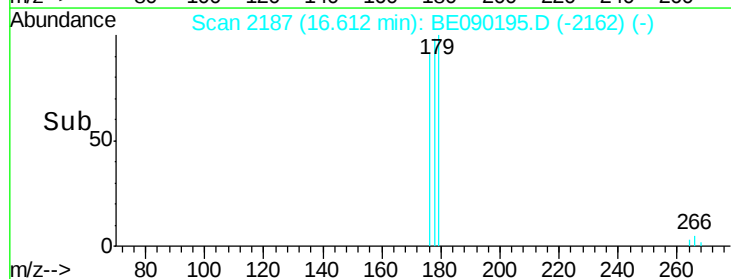
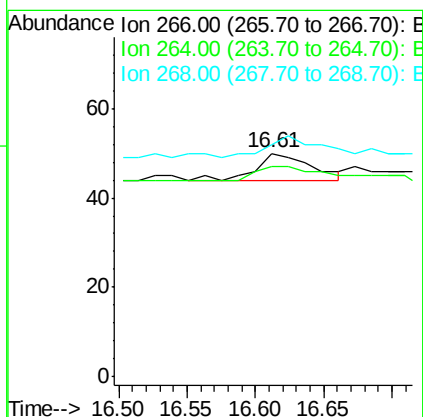
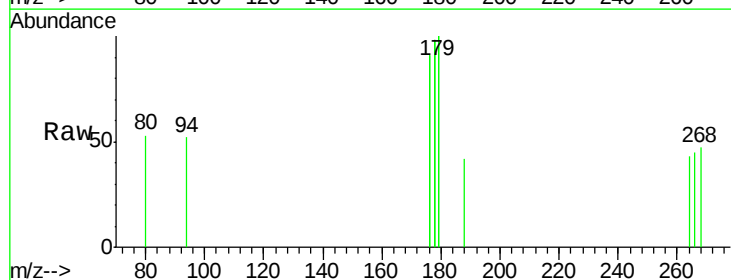
#9
Fluorene
 Concen: 0.11 ng/ul
 RT: 15.27 min Scan# 2058
 Delta R.T. 0.01 min
 Lab File: BE090195.D
 Acq: 21 Jul 2015 4:38

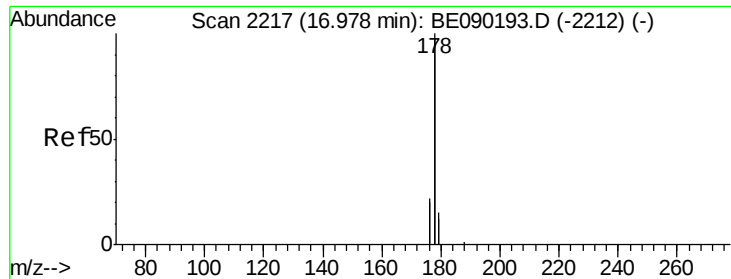
Tgt Ion:166 Resp: 1152
 Ion Ratio Lower Upper
 166 100
 165 101.7 81.2 121.8
 167 21.2 12.6 19.0#



#11
Pentachlorophenol
 Concen: 0.03 ng/ul
 RT: 16.61 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: BE090195.D
 Acq: 21 Jul 2015 4:38

Tgt Ion:266 Resp: 17
 Ion Ratio Lower Upper
 266 100
 264 58.8 47.7 71.5
 268 94.1 47.0 70.6#





#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

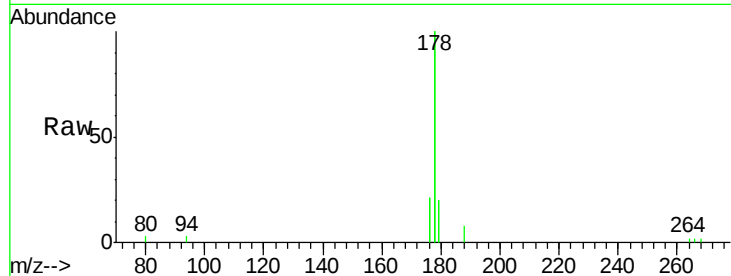
Tgt Ion:178 Resp: 8084

Ion Ratio Lower Upper

178 100

176 21.2 15.3 22.9

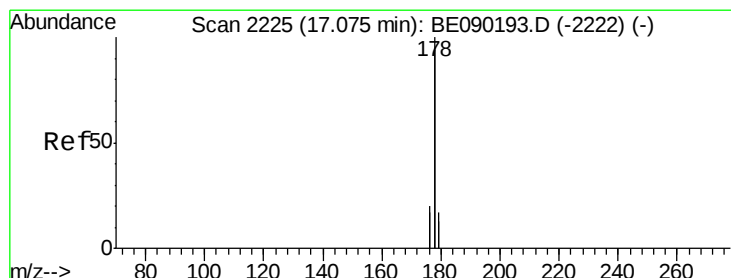
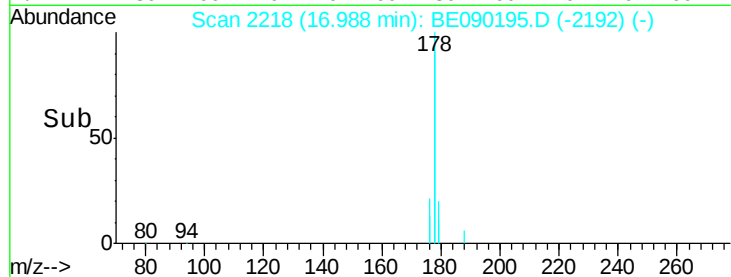
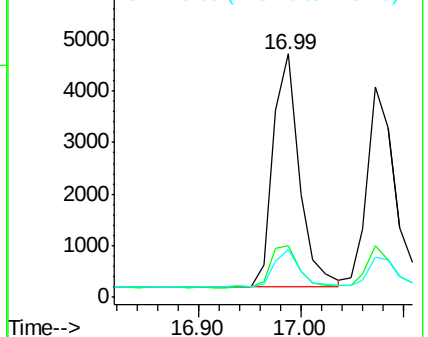
179 19.8 14.0 21.0



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: 0.12 ng/ul

RT: 16.99 min Scan# 2218

Delta R.T. -0.09 min

Lab File: BE090195.D

Acq: 21 Jul 2015 4:38

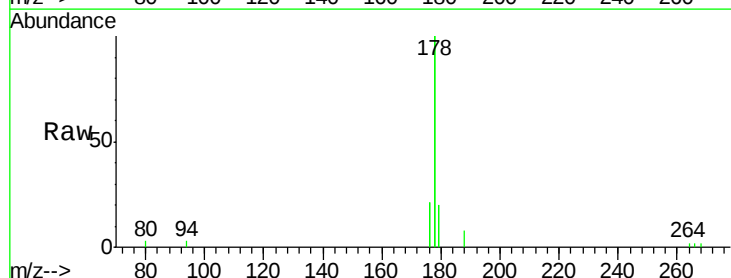
Tgt Ion:178 Resp: 8084

Ion Ratio Lower Upper

178 100

176 21.2 16.0 24.0

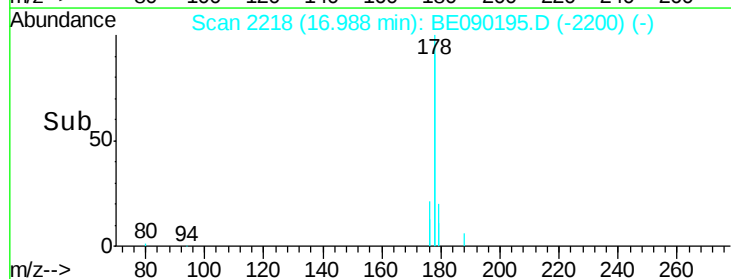
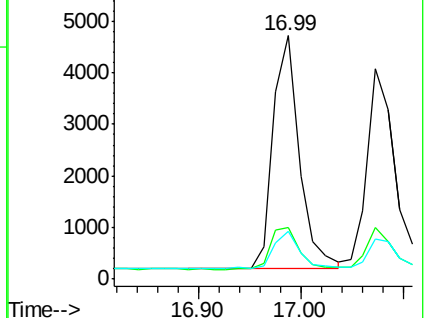
179 19.8 13.4 20.0

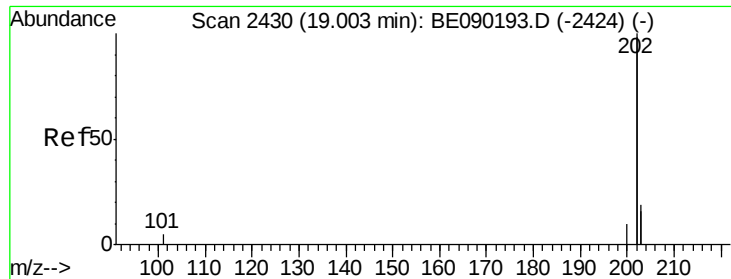


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

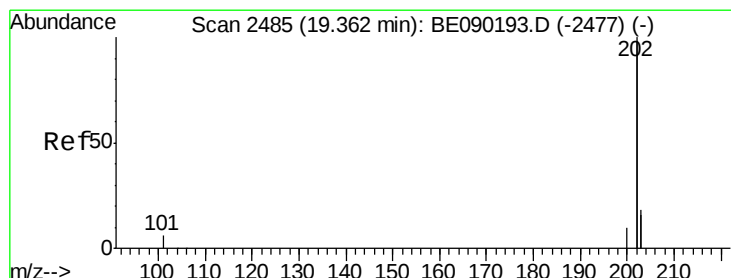
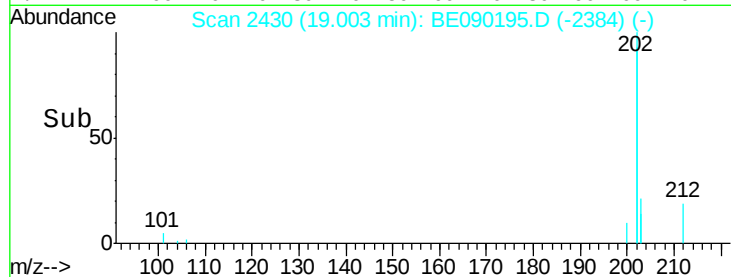
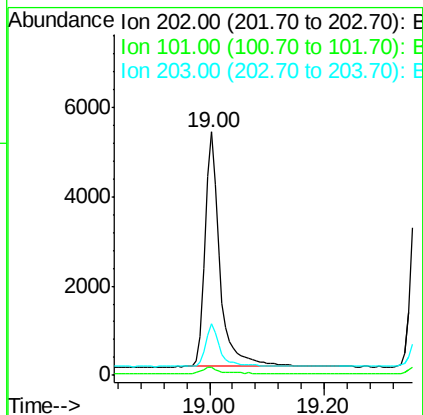
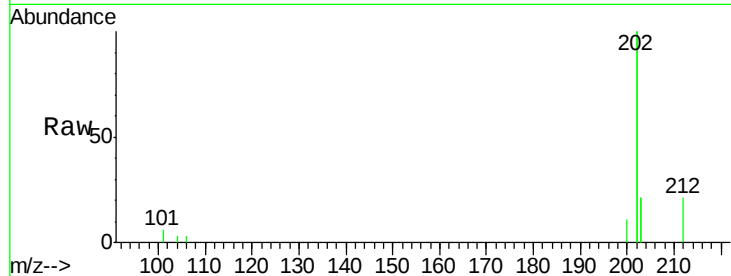
Ion 179.00 (178.70 to 179.70): E





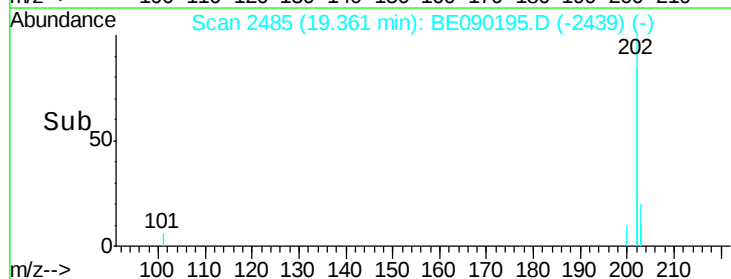
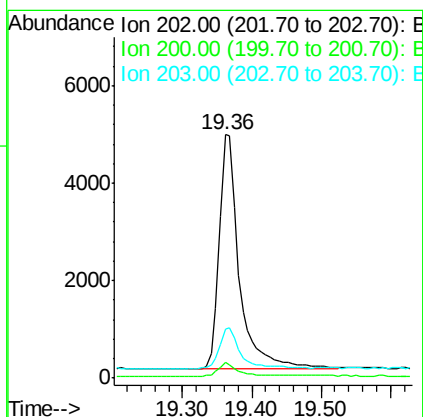
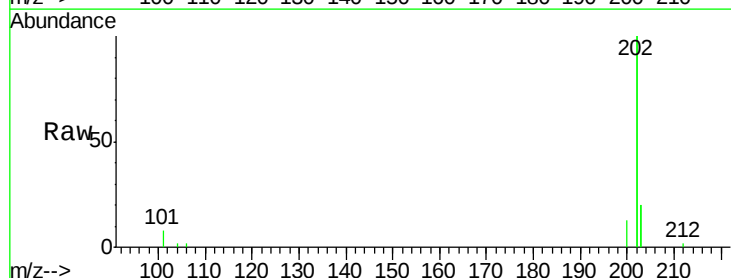
#15
Fluoranthene
 Concen: 0.11 ng/ul
 RT: 19.00 min Scan# 2430
 Delta R.T. -0.00 min
 Lab File: BE090195.D
 Acq: 21 Jul 2015 4:38

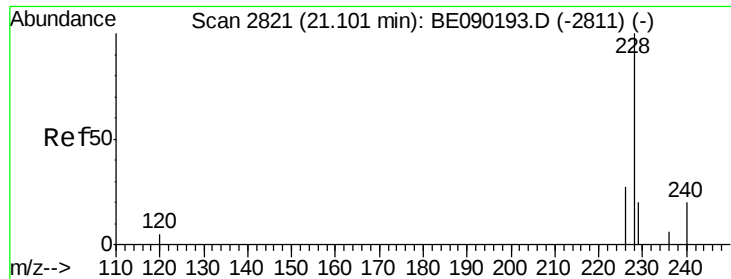
Tgt Ion: 202 Resp: 9505
 Ion Ratio Lower Upper
 202 100
 101 3.2 0.0 23.0
 203 21.0 0.0 37.0



#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

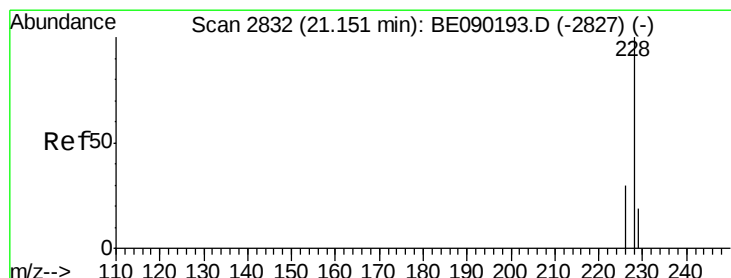
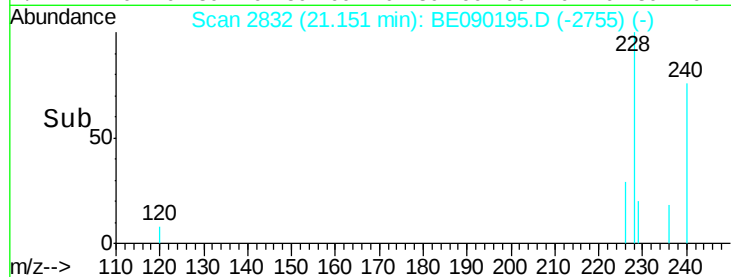
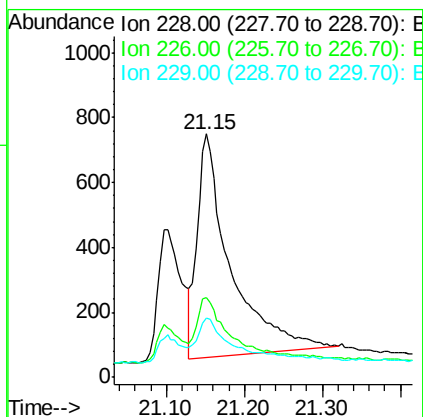
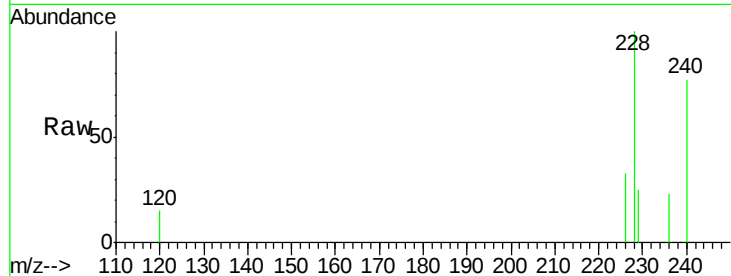
Tgt Ion: 202 Resp: 9645
 Ion Ratio Lower Upper
 202 100
 200 6.3 4.3 6.5
 203 19.9 14.6 21.8





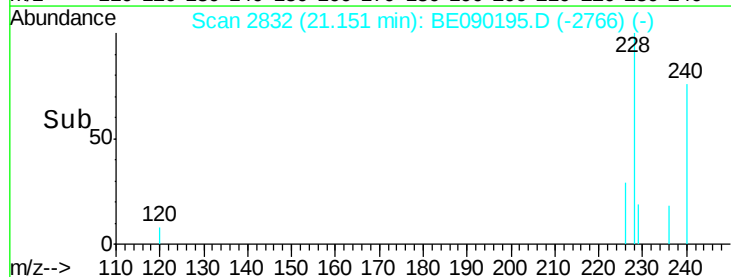
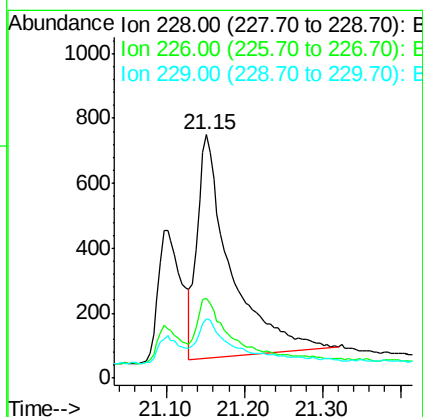
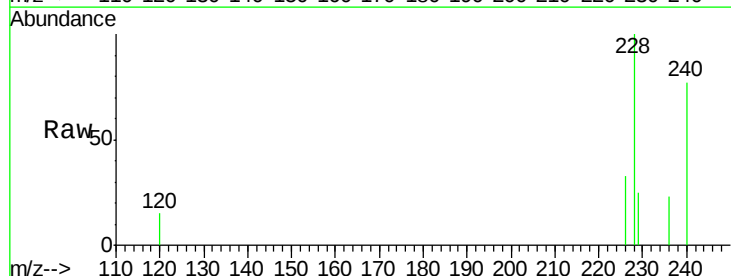
#18
Benzo(a)anthracene
Concen: 0.16 ng/ul
RT: 21.15 min Scan# 2832
Delta R.T. 0.05 min
Lab File: BE090195.D
Acq: 21 Jul 2015 4:38

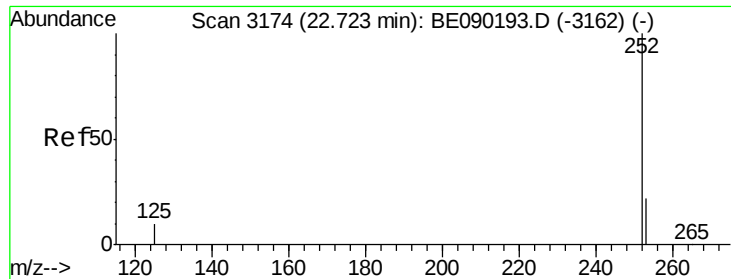
Tgt Ion:228 Resp: 2042
Ion Ratio Lower Upper
228 100
226 32.7 22.2 33.4
229 24.5 16.9 25.3



#19
Chrysene
Concen: 0.13 ng/ul
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: 2042
Ion Ratio Lower Upper
228 100
226 32.7 24.3 36.5
229 24.5 16.6 24.8





#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

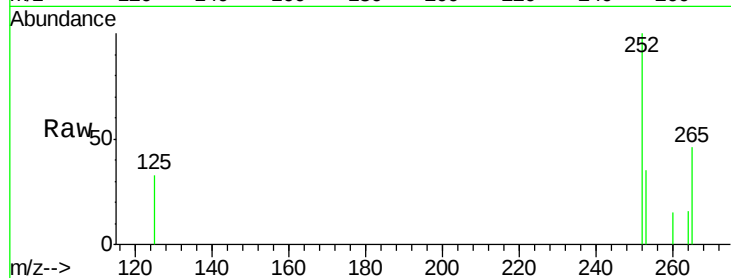
Tgt Ion: 252 Resp: 481

Ion Ratio Lower Upper

252 100

253 35.3 0.0 46.8

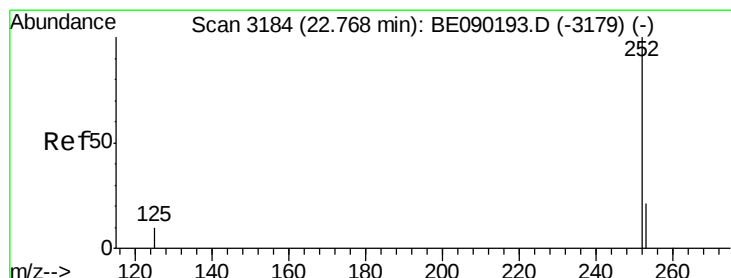
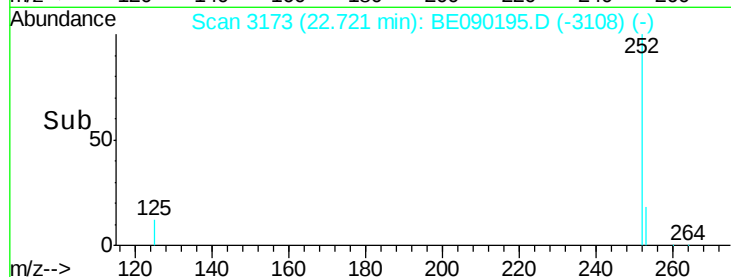
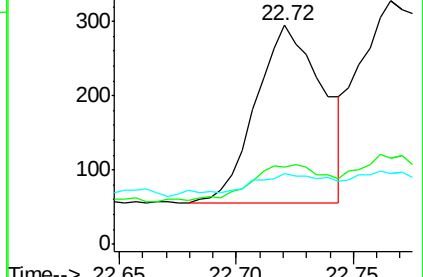
125 32.5 0.0 25.4#



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: 0.07 ng/ul

RT: 22.77 min Scan# 3183

Delta R.T. -0.00 min

Lab File: BE090195.D

Acq: 21 Jul 2015 4:38

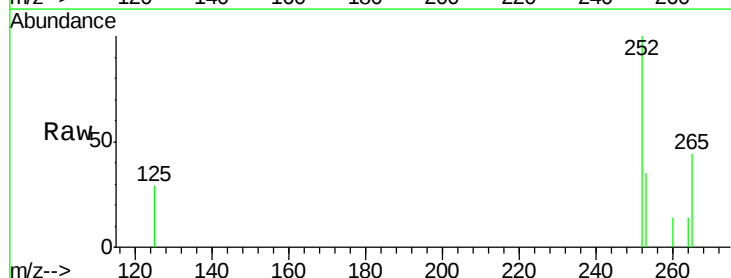
Tgt Ion: 252 Resp: 865

Ion Ratio Lower Upper

252 100

253 35.4 18.3 27.5#

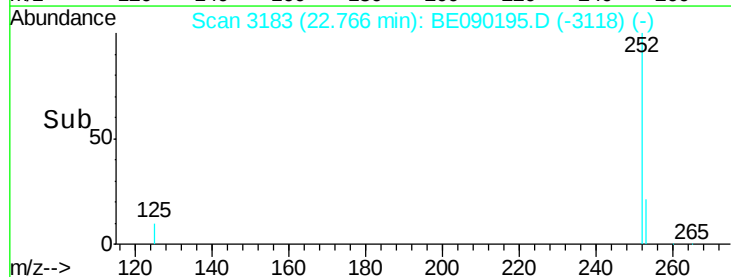
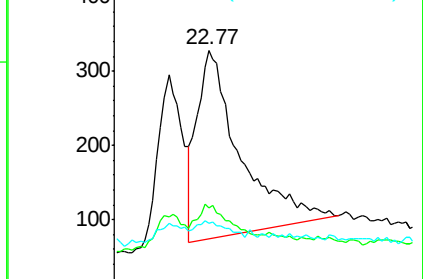
125 29.0 9.8 14.8#

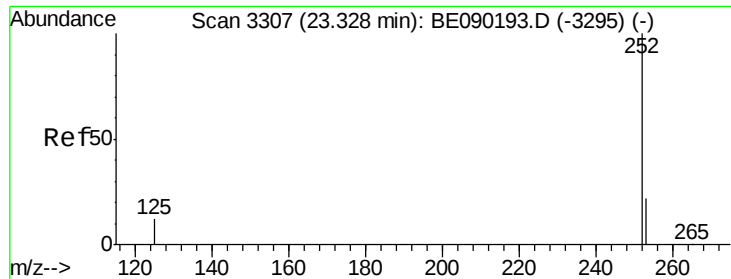


Abundance Ion 252.00 (251.70 to 252.70): E

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/u1

RT: 23.32 min Scan# 3305

Delta R.T. -0.01 min

Lab File: BE090195.D

Acq: 21 Jul 2015 4:38

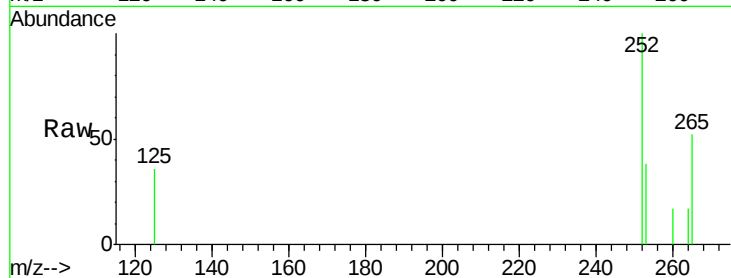
Tgt Ion: 252 Resp: 592

Ion Ratio Lower Upper

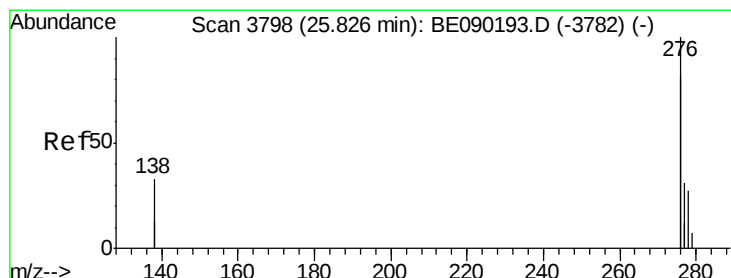
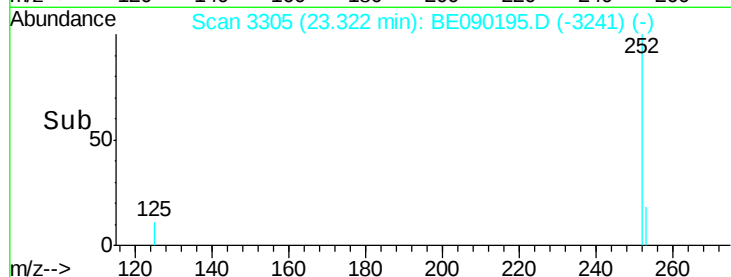
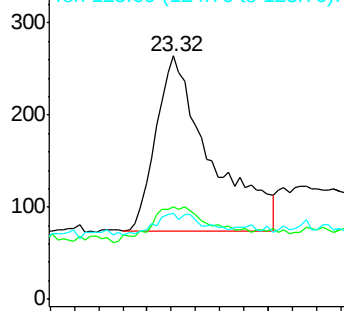
252 100

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/u1

RT: 25.82 min Scan# 3796

Delta R.T. -0.01 min

Lab File: BE090195.D

Acq: 21 Jul 2015 4:38

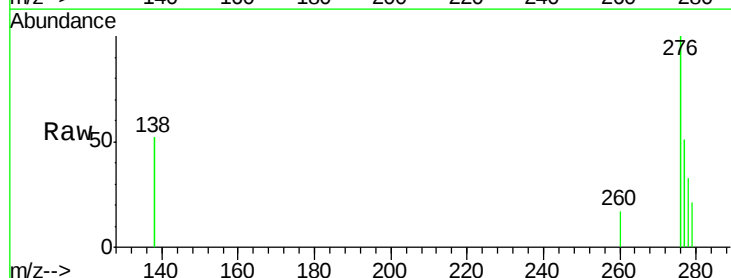
Tgt Ion: 276 Resp: 1863

Ion Ratio Lower Upper

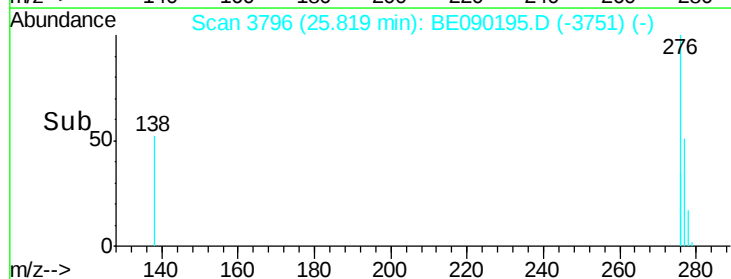
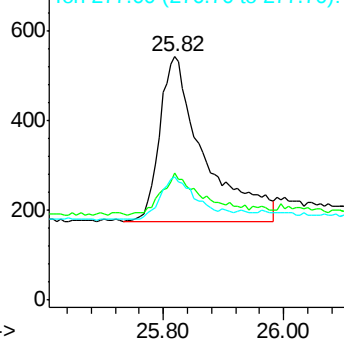
276 100

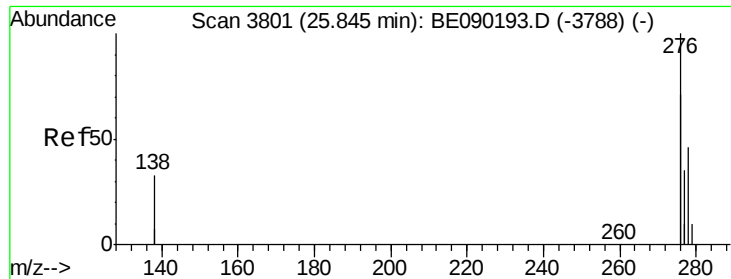
138 23.0 19.8 29.8

277 20.3 19.8 29.6



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

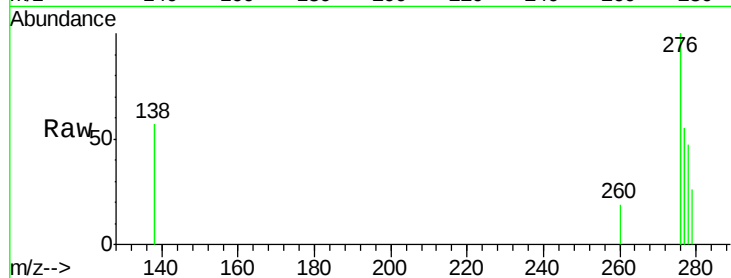




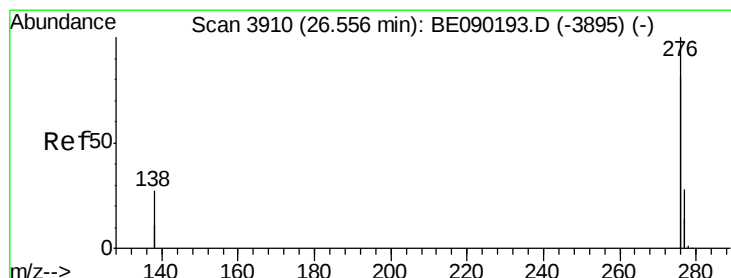
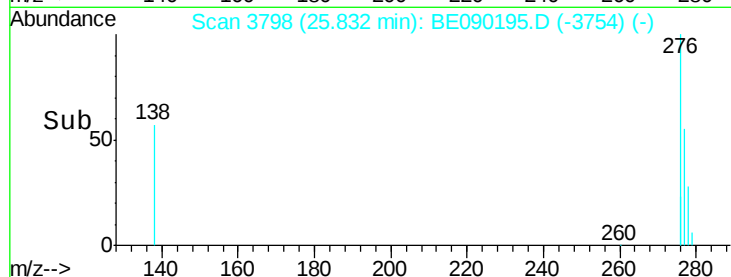
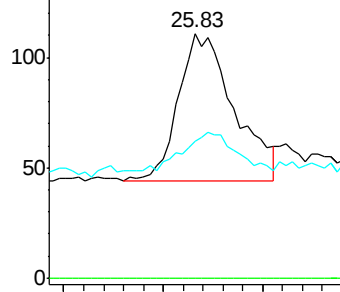
#25
Dibenzo(a,h)anthracene
Concen: 0.03 ng/ul
RT: 25.83 min Scan# 3798
Delta R.T. -0.01 min
Lab File: BE090195.D
Acq: 21 Jul 2015 4:38

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#



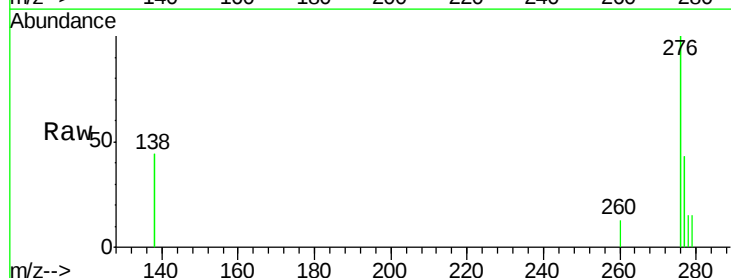
Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#26
Benzo(g,h,i)perylene
Concen: 0.07 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: 276 Resp: 2568

Ion	Ratio	Lower	Upper
276	100		
277	43.3	20.6	31.0#
138	43.6	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

