

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE072115\
 Data File : BE090191.D
 Acq On : 21 Jul 2015 00:58
 Operator : TP/IZ
 Sample : MDL-06-W
 Misc : MDL-WATER-SIM2.2-0.07PPM
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jul 21 05:54:03 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	797	0.40	ng/ul	0.00
2) Naphthalene-d8	10.37	136	3761	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.21	164	2258	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.94	188	5950	0.40	ng/ul	0.00
16) Chrysene-d12	21.12	240	5098	0.40	ng/ul	0.00
20) Perylene-d12	23.43	264	3624	0.40	ng/ul	0.00

System Monitoring Compounds

4) 2-Methylnaphthalene-d10	11.96	152	2305	0.39	ng/ul	0.00
14) Fluoranthene-d10	18.98	212	6686	0.37	ng/ul	0.00

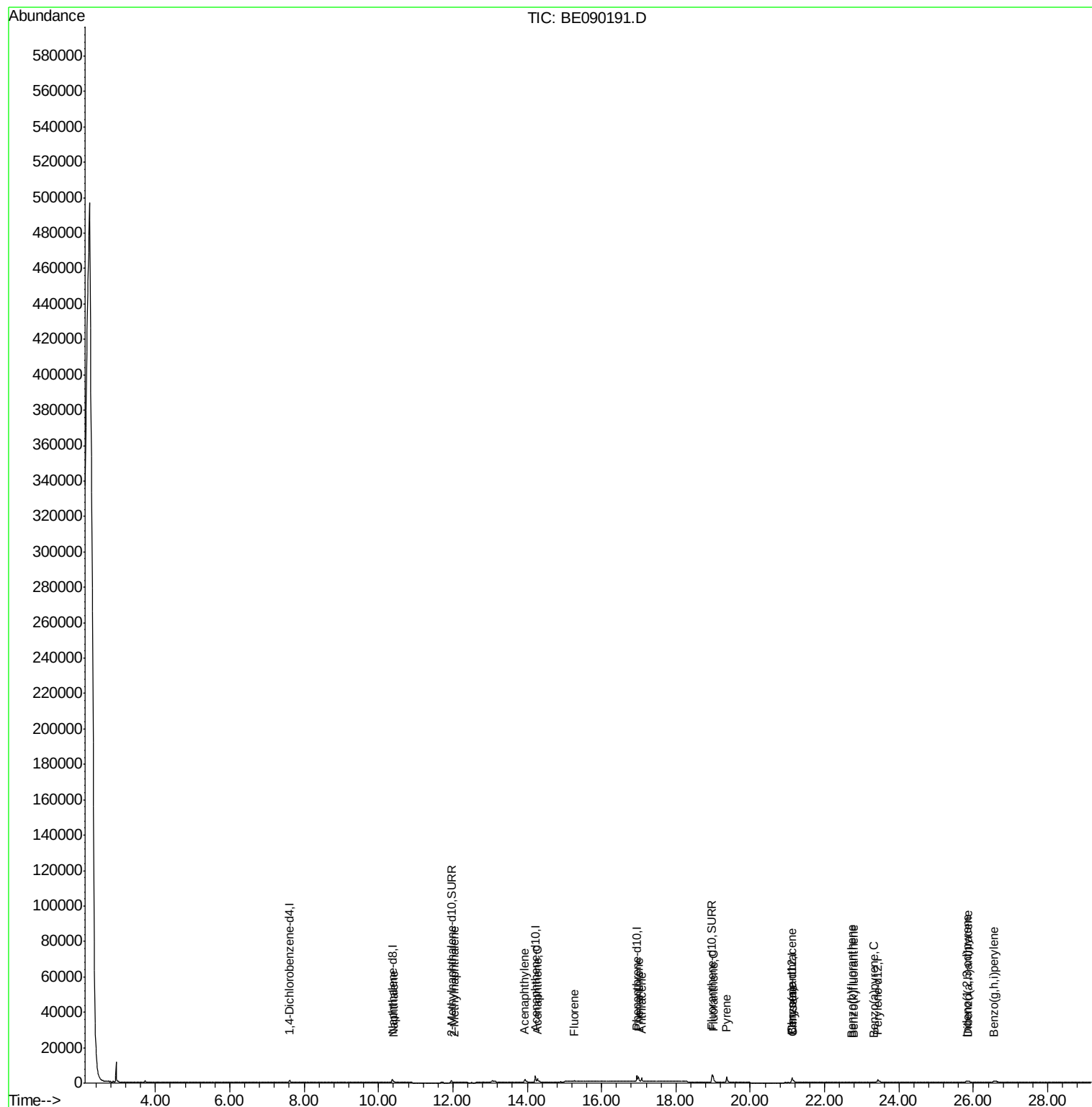
Target Compounds

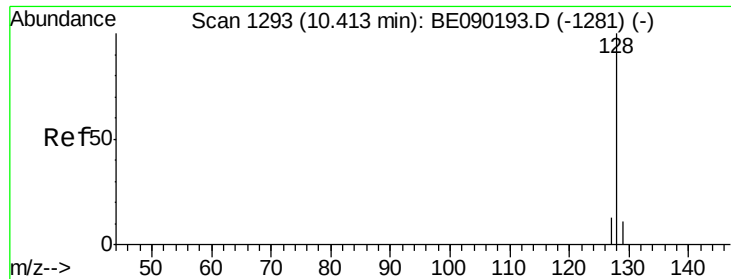
						Qvalue
3) Naphthalene	10.41	128	558	0.06	ng/ul#	73
5) 2-Methylnaphthalene	12.03	142	364	0.05	ng/ul	94
7) Acenaphthylene	13.93	152	2584	0.05	ng/ul#	84
8) Acenaphthene	14.27	153	1868	0.05	ng/ul	91
9) Fluorene	15.27	166	531	0.05	ng/ul#	93
12) Phenanthrene	16.99	178	3653	0.05	ng/ul#	86
13) Anthracene	17.07	178	3641	0.05	ng/ul#	82
15) Fluoranthene	19.00	202	4521	0.06	ng/ul	86
17) Pyrene	19.36	202	4442	0.07	ng/ul#	89
18) Benzo(a)anthracene	21.10	228	489	0.04	ng/ul#	77
19) Chrysene	21.15	228	1002m	0.06	ng/ul	
21) Benzo(b)fluoranthene	22.72	252	281	0.03	ng/ul#	40
22) Benzo(k)fluoranthene	22.77	252	585m	0.04	ng/ul	
23) Benzo(a)pyrene	23.33	252	321	0.03	ng/ul#	29
24) Indeno(1,2,3-cd)pyrene	25.83	276	1115	0.02	ng/ul	94
25) Dibenzo(a,h)anthracene	25.85	278	159	0.02	ng/ul#	20
26) Benzo(g,h,i)perylene	26.56	276	1292	0.03	ng/ul#	41

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

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#3

Naphthalene

Concen: 0.06 ng/ul

RT: 10.41 min Scan# 1293

Delta R.T. -0.00 min

Lab File: BE090191.D

Acq: 21 Jul 2015 00:58

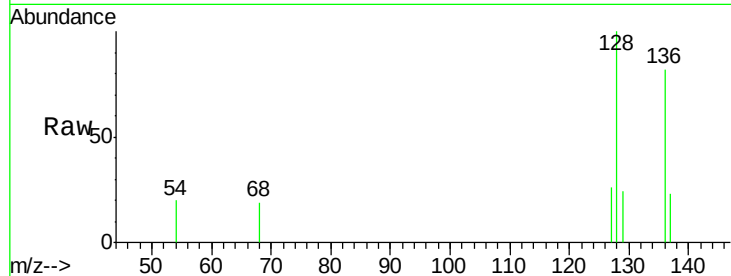
Tgt Ion:128 Resp: 558

Ion Ratio Lower Upper

128 100

129 23.6 10.2 15.4#

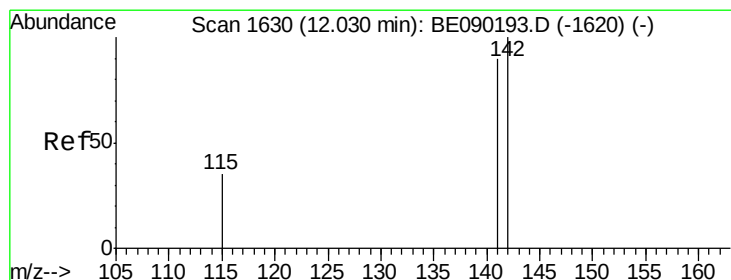
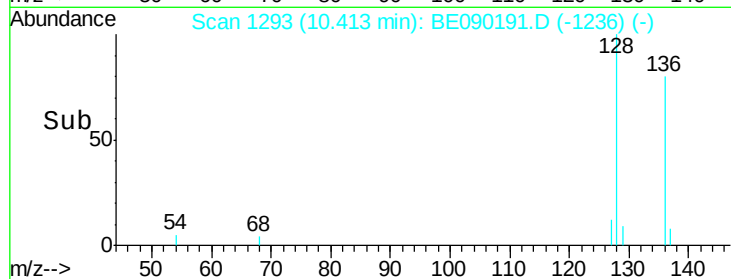
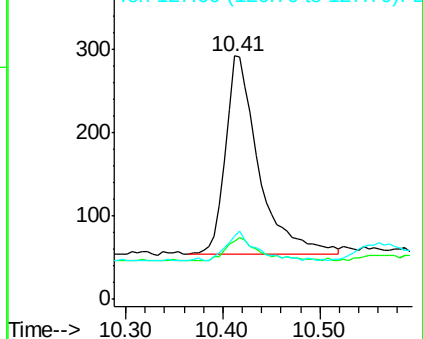
127 26.0 11.9 17.9#



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: 0.05 ng/ul

RT: 12.03 min Scan# 1630

Delta R.T. -0.00 min

Lab File: BE090191.D

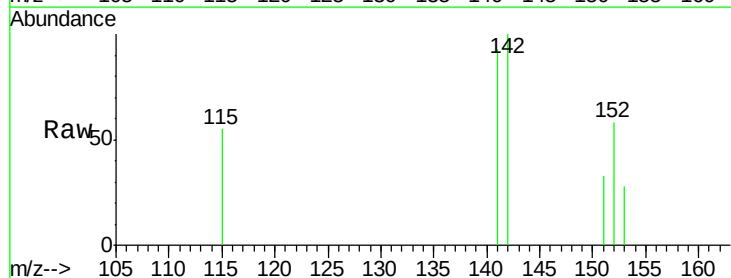
Acq: 21 Jul 2015 00:58

Tgt Ion:142 Resp: 364

Ion Ratio Lower Upper

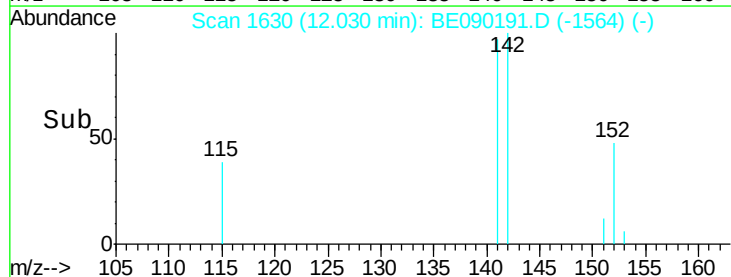
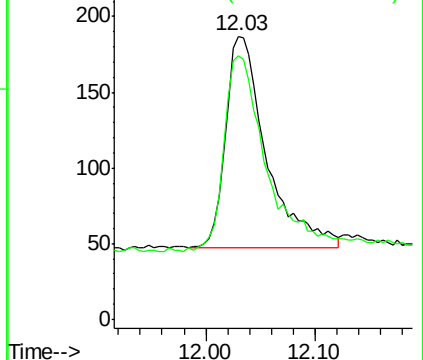
142 100

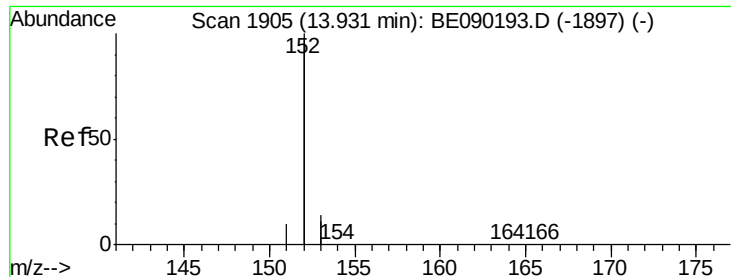
141 97.5 73.4 110.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.05 ng/ul

RT: 13.93 min Scan# 1905

Delta R.T. 0.00 min

Lab File: BE090191.D

Acq: 21 Jul 2015 00:58

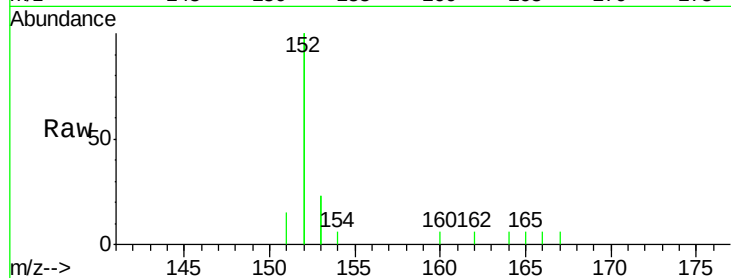
Tgt Ion:152 Resp: 2584

Ion Ratio Lower Upper

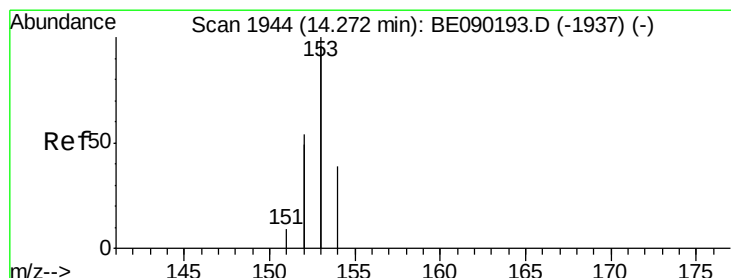
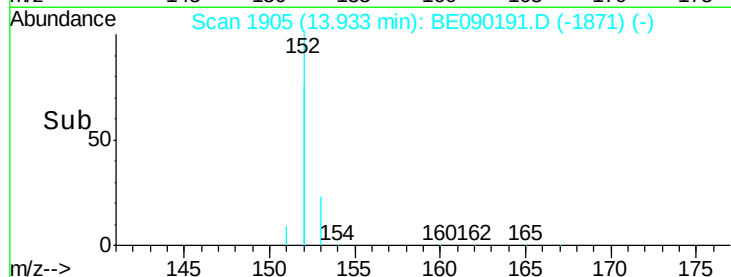
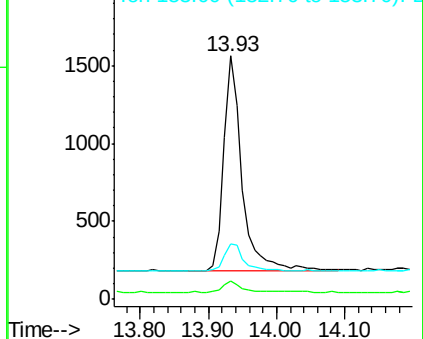
152 100

151 7.3 4.2 6.4#

153 22.9 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: 0.05 ng/ul

RT: 14.27 min Scan# 1944

Delta R.T. 0.00 min

Lab File: BE090191.D

Acq: 21 Jul 2015 00:58

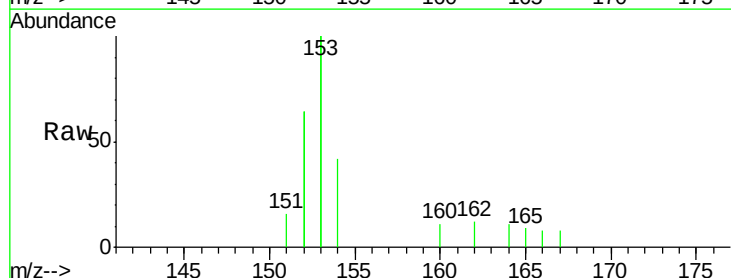
Tgt Ion:153 Resp: 1868

Ion Ratio Lower Upper

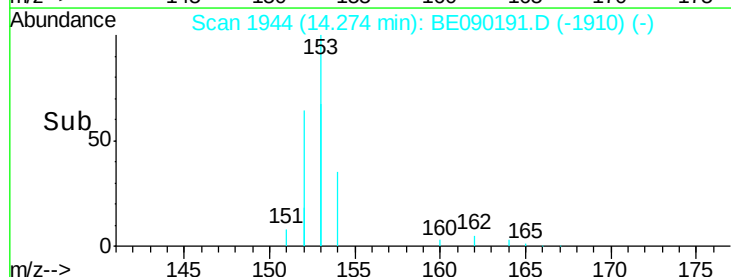
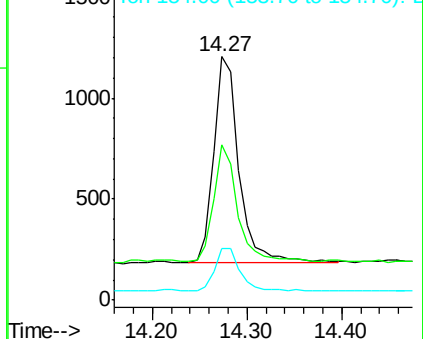
153 100

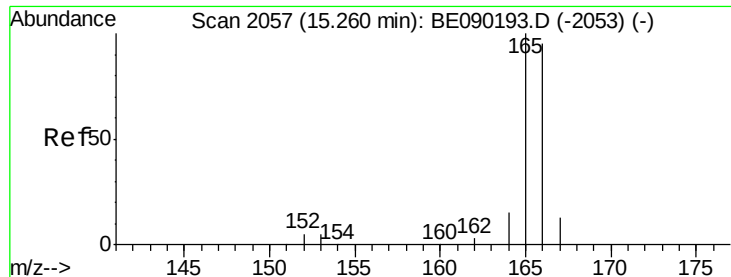
152 63.8 43.8 65.8

154 21.2 16.8 25.2



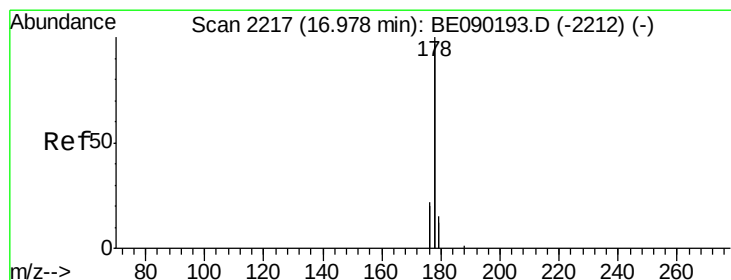
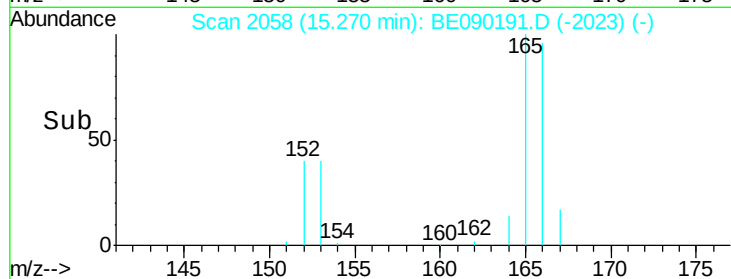
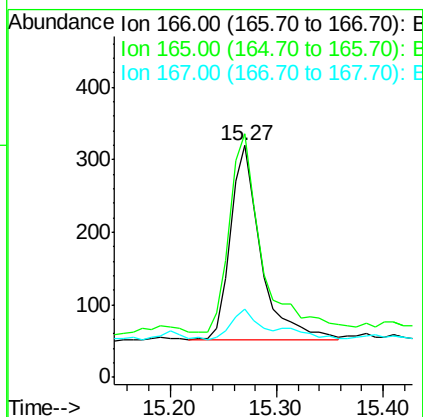
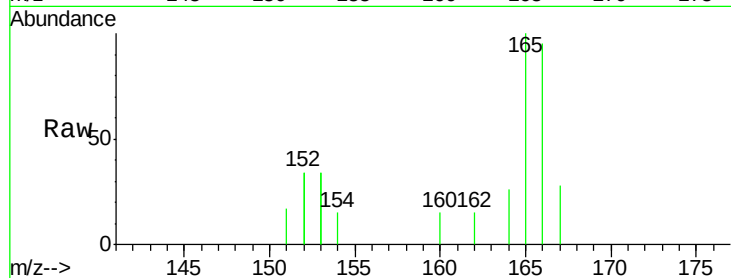
Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E





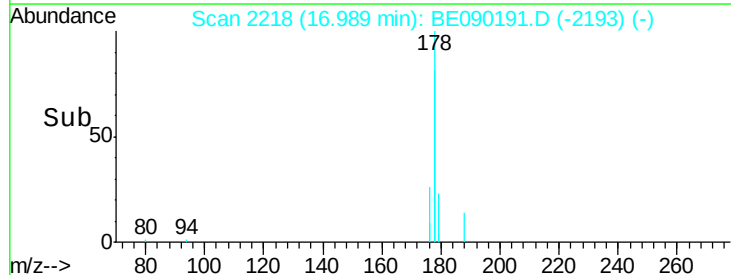
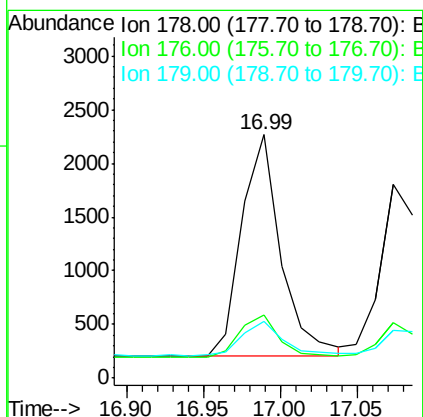
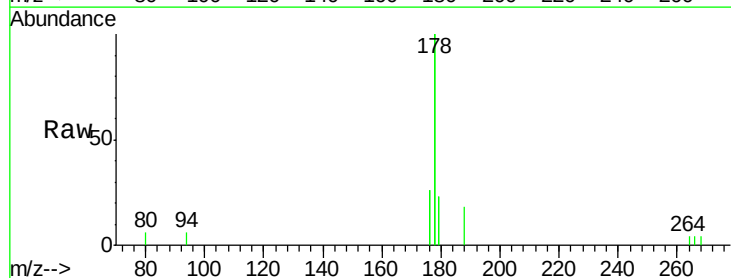
#9
Fluorene
 Concen: 0.05 ng/ul
 RT: 15.27 min Scan# 2058
 Delta R.T. 0.01 min
 Lab File: BE090191.D
 Acq: 21 Jul 2015 00:58

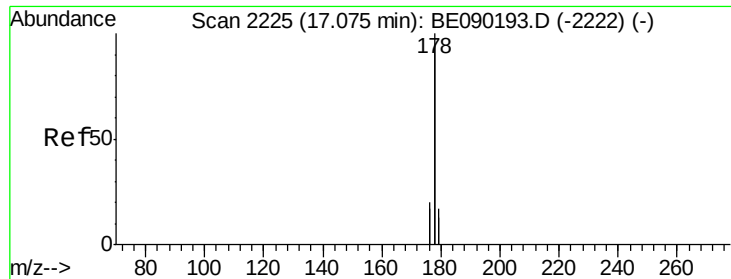
Tgt Ion:166 Resp: 531
 Ion Ratio Lower Upper
 166 100
 165 105.0 81.2 121.8
 167 29.7 12.6 19.0#



#12
Phenanthrene
 Concen: 0.05 ng/ul
 RT: 16.99 min Scan# 2218
 Delta R.T. 0.00 min
 Lab File: BE090191.D
 Acq: 21 Jul 2015 00:58

Tgt Ion:178 Resp: 3653
 Ion Ratio Lower Upper
 178 100
 176 25.8 15.3 22.9#
 179 23.1 14.0 21.0#





#13

Anthracene

Concen: 0.05 ng/ul

RT: 17.07 min Scan# 2225

Delta R.T. 0.00 min

Lab File: BE090191.D

Acq: 21 Jul 2015 00:58

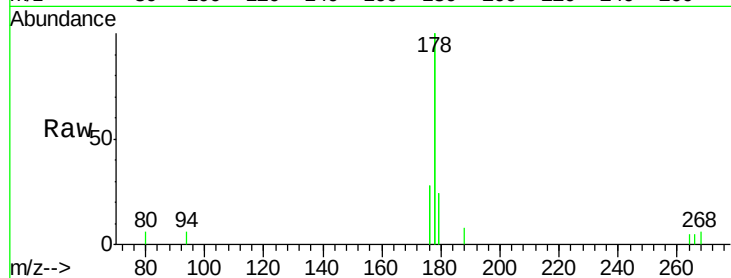
Tgt Ion:178 Resp: 3641

Ion Ratio Lower Upper

178 100

176 28.3 16.0 24.0#

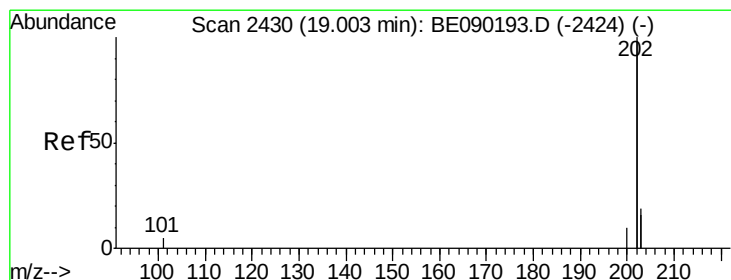
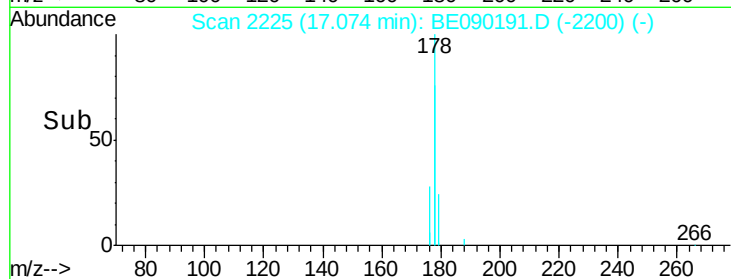
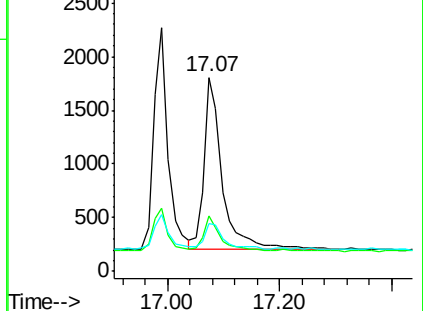
179 24.3 13.4 20.0#



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: 0.06 ng/ul

RT: 19.00 min Scan# 2430

Delta R.T. 0.01 min

Lab File: BE090191.D

Acq: 21 Jul 2015 00:58

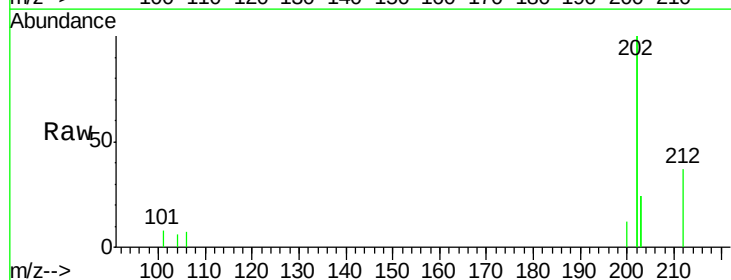
Tgt Ion:202 Resp: 4521

Ion Ratio Lower Upper

202 100

101 4.1 0.0 23.0

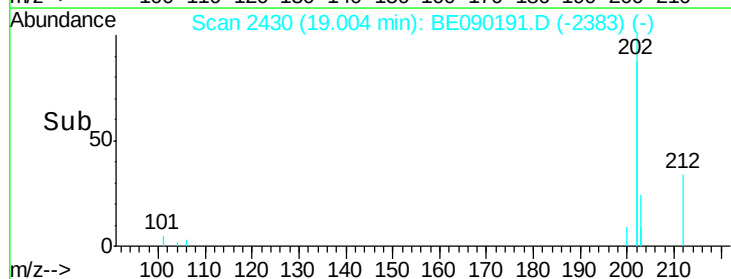
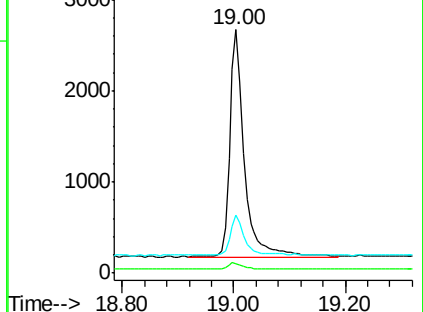
203 23.8 0.0 37.0

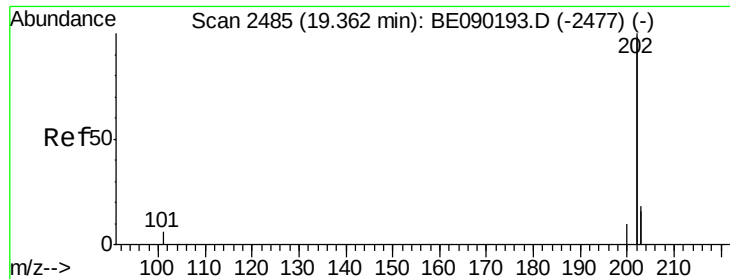


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

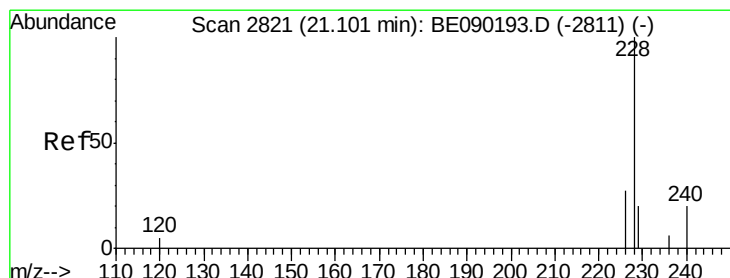
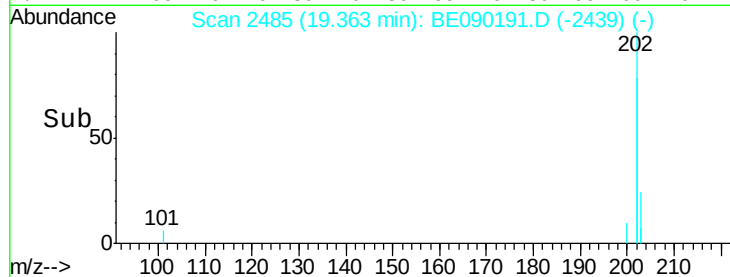
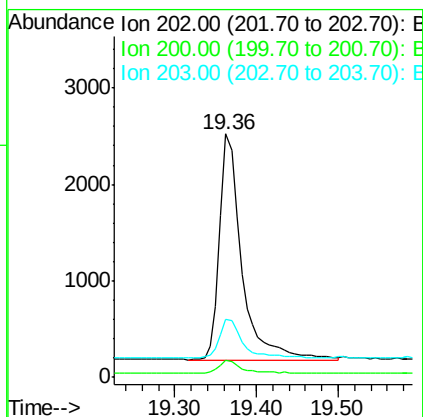
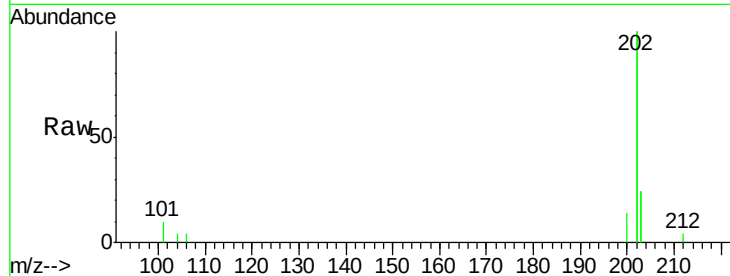
Ion 203.00 (202.70 to 203.70): E





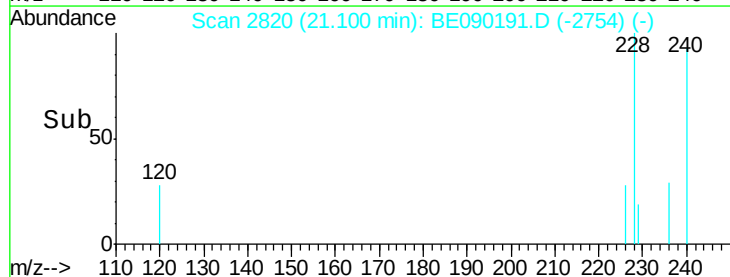
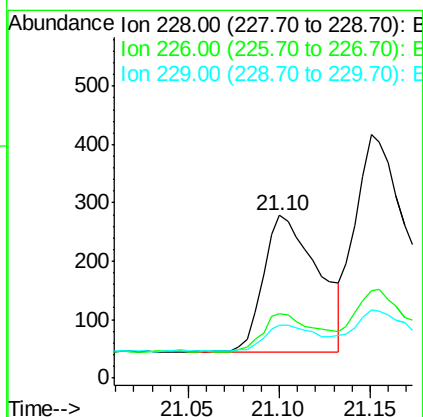
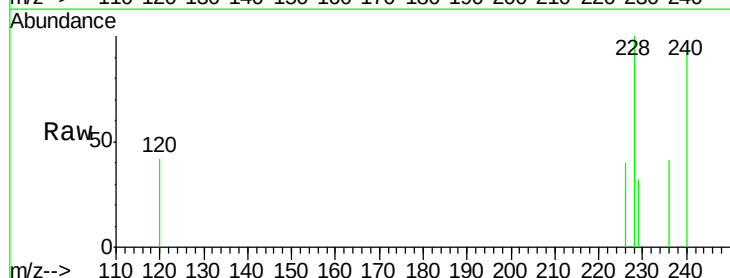
#17
 Pyrene
 Concen: 0.07 ng/ul
 RT: 19.36 min Scan# 2485
 Delta R.T. 0.00 min
 Lab File: BE090191.D
 Acq: 21 Jul 2015 00:58

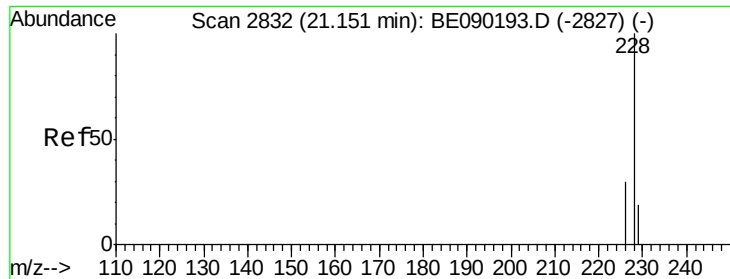
Tgt Ion: 202 Resp: 4442
 Ion Ratio Lower Upper
 202 100
 200 7.1 4.3 6.5#
 203 23.8 14.6 21.8#



#18
 Benzo(a)anthracene
 Concen: 0.04 ng/ul
 RT: 21.10 min Scan# 2820
 Delta R.T. -0.00 min
 Lab File: BE090191.D
 Acq: 21 Jul 2015 00:58

Tgt Ion: 228 Resp: 489
 Ion Ratio Lower Upper
 228 100
 226 39.6 22.2 33.4#
 229 32.4 16.9 25.3#





#19

Chrysene

Concen: 0.06 ng/ul m

RT: 21.15 min Scan# 2831

Delta R.T. -0.00 min

Lab File: BE090191.D

Acq: 21 Jul 2015 00:58

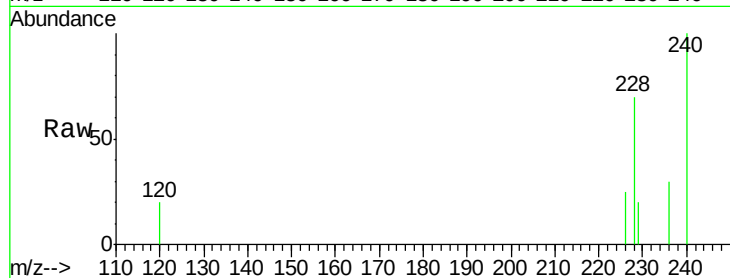
Tgt Ion: 228 Resp: 1002

Ion Ratio Lower Upper

228 100

226 36.0 24.3 36.5

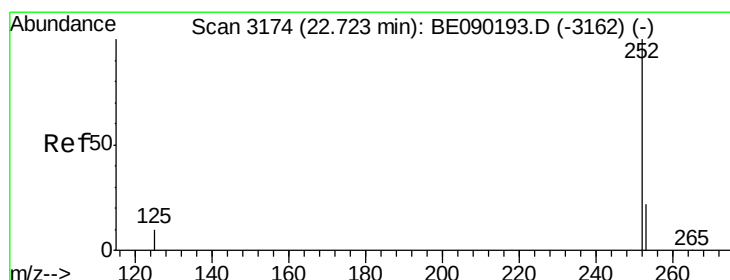
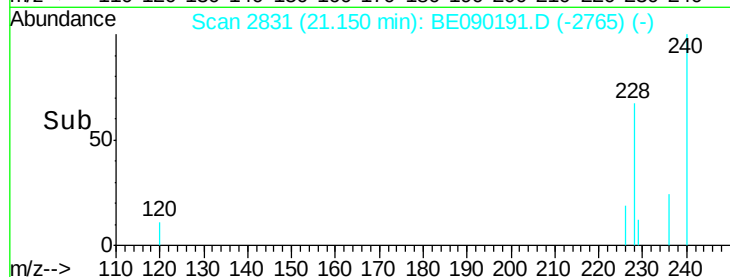
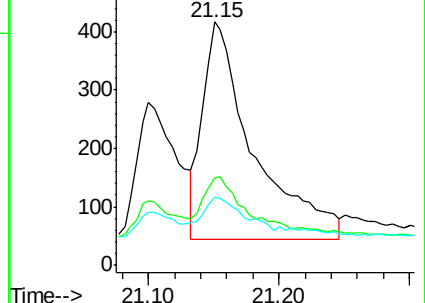
229 28.1 16.6 24.8#



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: BE090191.D

Acq: 21 Jul 2015 00:58

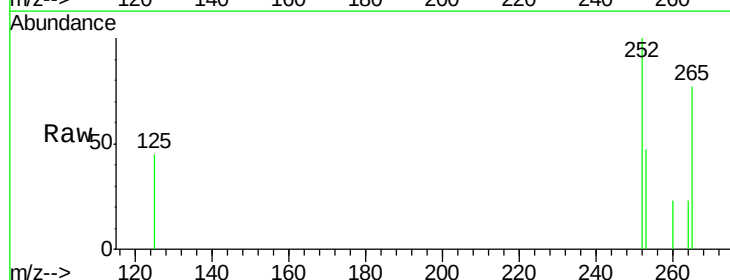
Tgt Ion: 252 Resp: 281

Ion Ratio Lower Upper

252 100

253 46.9 0.0 46.8#

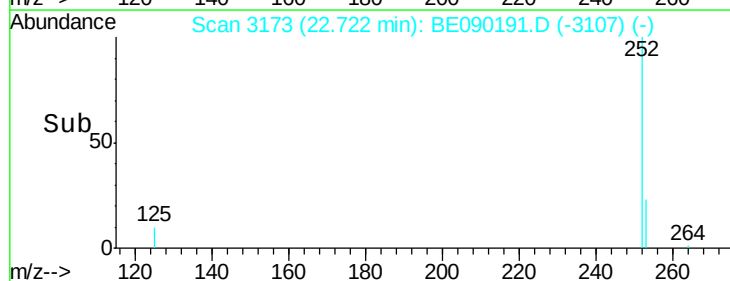
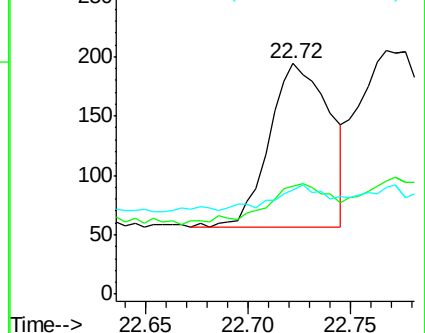
125 45.4 0.0 25.4#

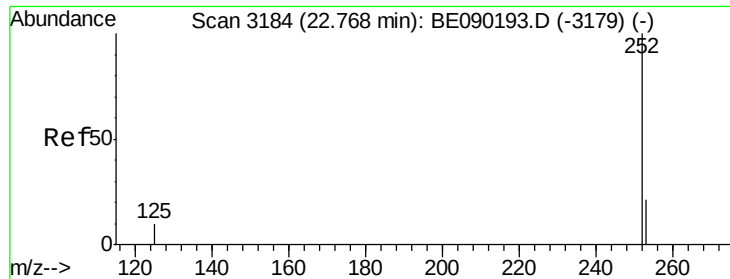


Abundance Ion 252.00 (251.70 to 252.70): E

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 m

RT: 22.77 min Scan# 3183

Delta R.T. 0.00 min

Lab File: BE090191.D

Acq: 21 Jul 2015 00:58

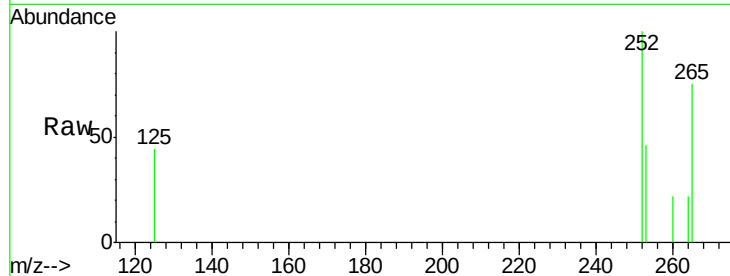
Tgt Ion: 252 Resp: 585

Ion Ratio Lower Upper

252 100

253 46.3 18.3 27.5#

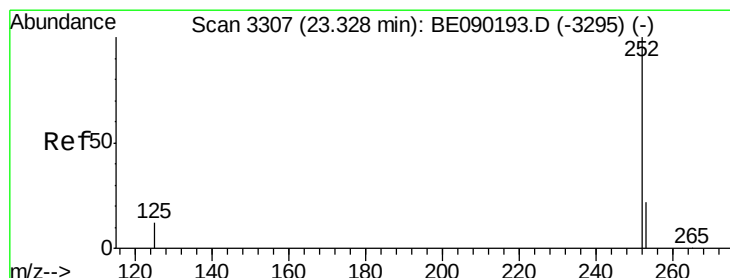
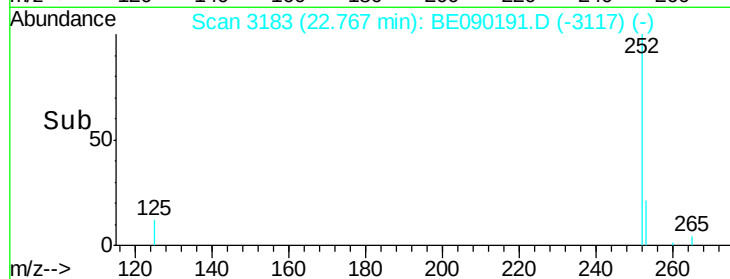
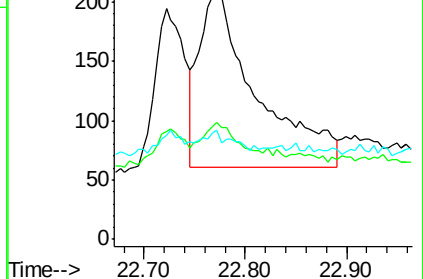
125 43.9 9.8 14.8#



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: 23.33 min Scan# 3306

Delta R.T. 0.00 min

Lab File: BE090191.D

Acq: 21 Jul 2015 00:58

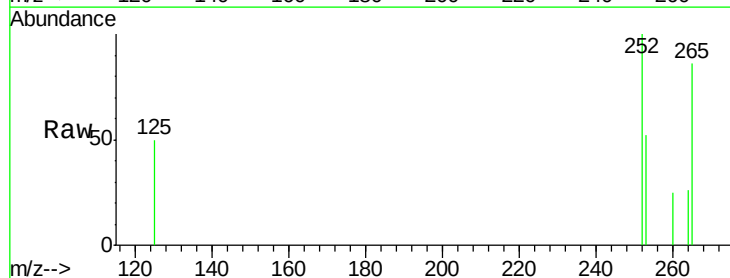
Tgt Ion: 252 Resp: 321

Ion Ratio Lower Upper

252 100

253 52.3 18.4 27.6#

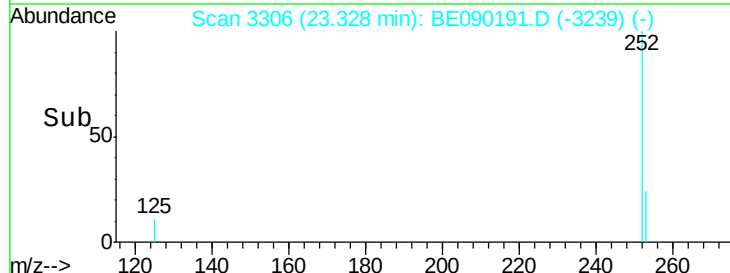
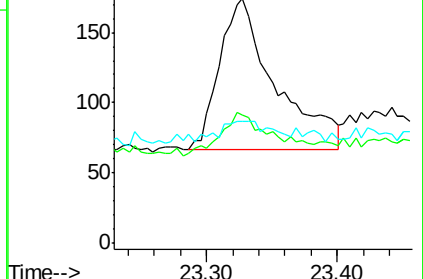
125 50.0 11.5 17.3#

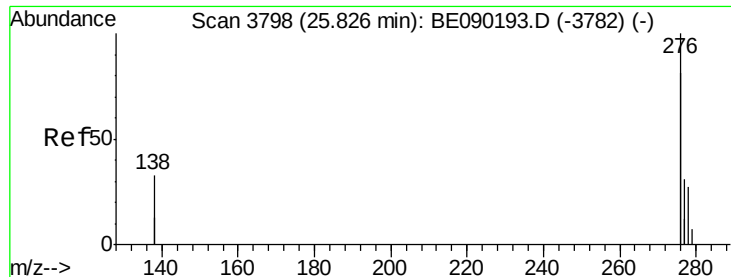


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

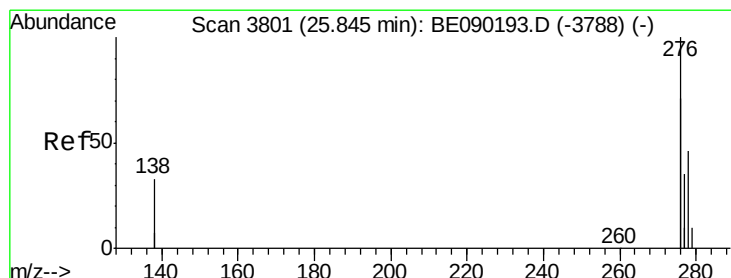
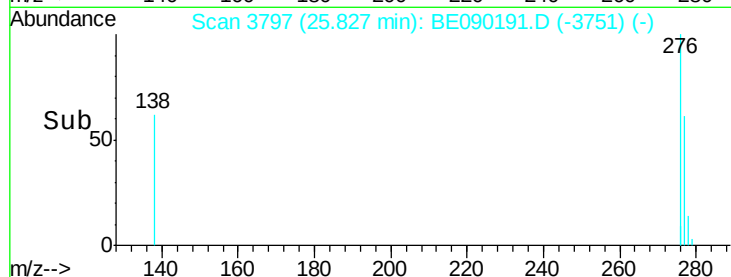
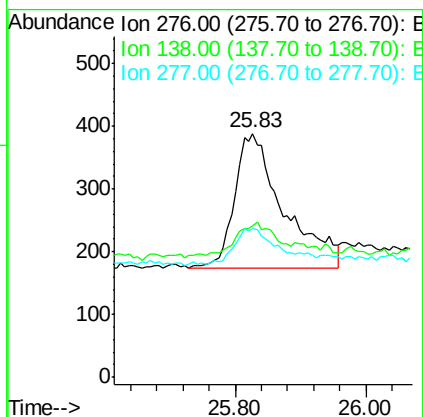
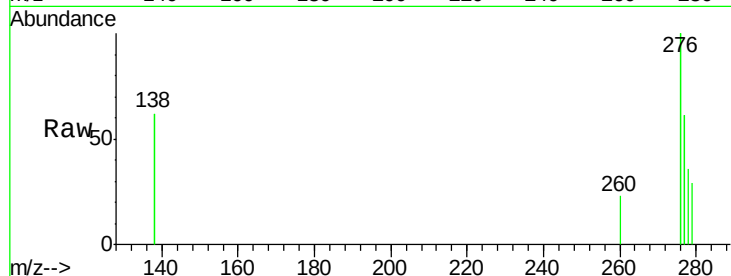
Ion 125.00 (124.70 to 125.70): E





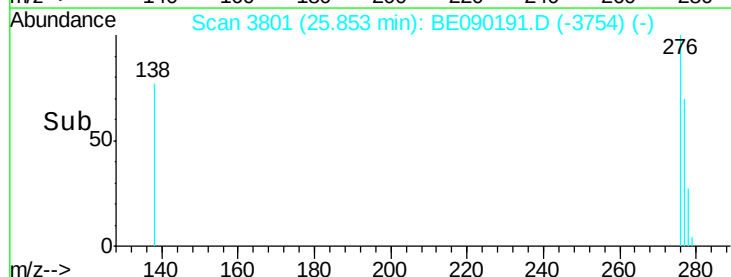
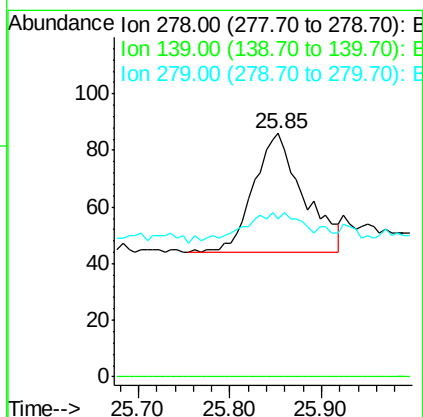
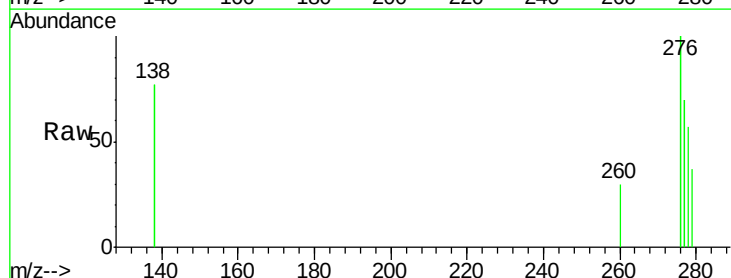
#24
 Indeno(1,2,3-cd)pyrene
 Concen: 0.02 ng/ul
 RT: 25.83 min Scan# 3797
 Delta R.T. 0.00 min
 Lab File: BE090191.D
 Acq: 21 Jul 2015 00:58

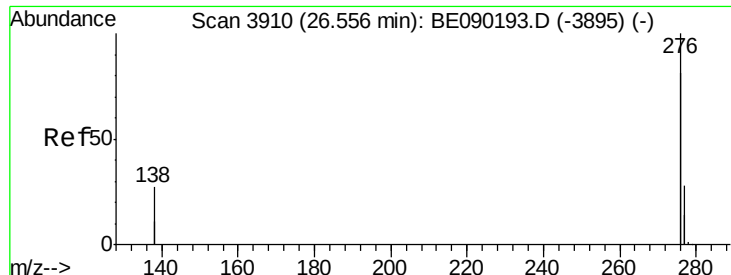
Tgt Ion: 276 Resp: 1115
 Ion Ratio Lower Upper
 276 100
 138 22.2 19.8 29.8
 277 21.1 19.8 29.6



#25
 Dibenzo(a,h)anthracene
 Concen: 0.02 ng/ul
 RT: 25.85 min Scan# 3801
 Delta R.T. 0.01 min
 Lab File: BE090191.D
 Acq: 21 Jul 2015 00:58

Tgt Ion: 278 Resp: 159
 Ion Ratio Lower Upper
 278 100
 139 0.0 0.0 0.0
 279 65.1 20.0 30.0#





#26

Benzo(g,h,i)perylene

Concen: 0.03 ng/ul

RT: 26.56 min Scan# 3909

Delta R.T. 0.00 min

Lab File: BE090191.D

Acq: 21 Jul 2015 00:58

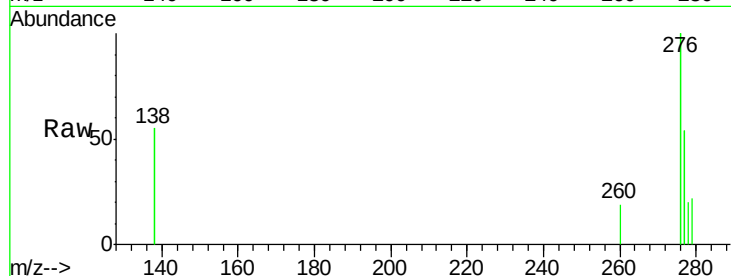
Tgt Ion: 276 Resp: 1292

Ion Ratio Lower Upper

276 100

277 53.9 20.6 31.0#

138 55.2 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

26.56

400

300

200

100

0

Time--> 26.40 26.50 26.60

