

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE072115\
 Data File : BE090196.D
 Acq On : 21 Jul 2015 5:14
 Operator : TP/IZ
 Sample : MDL-03-W
 Misc : MDL-WATER-SIM2.2-0.15PPM
 ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jul 21 07:38:16 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	774	0.40	ng/ul	0.00
2) Naphthalene-d8	10.37	136	3623	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.21	164	2182	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.94	188	5789	0.40	ng/ul	0.00
16) Chrysene-d12	21.12	240	4506	0.40	ng/ul	0.00
20) Perylene-d12	23.42	264	3095	0.40	ng/ul	0.00

System Monitoring Compounds

4) 2-Methylnaphthalene-d10	11.96	152	2172	0.38	ng/ul	0.00
14) Fluoranthene-d10	18.97	212	6394	0.37	ng/ul	0.00

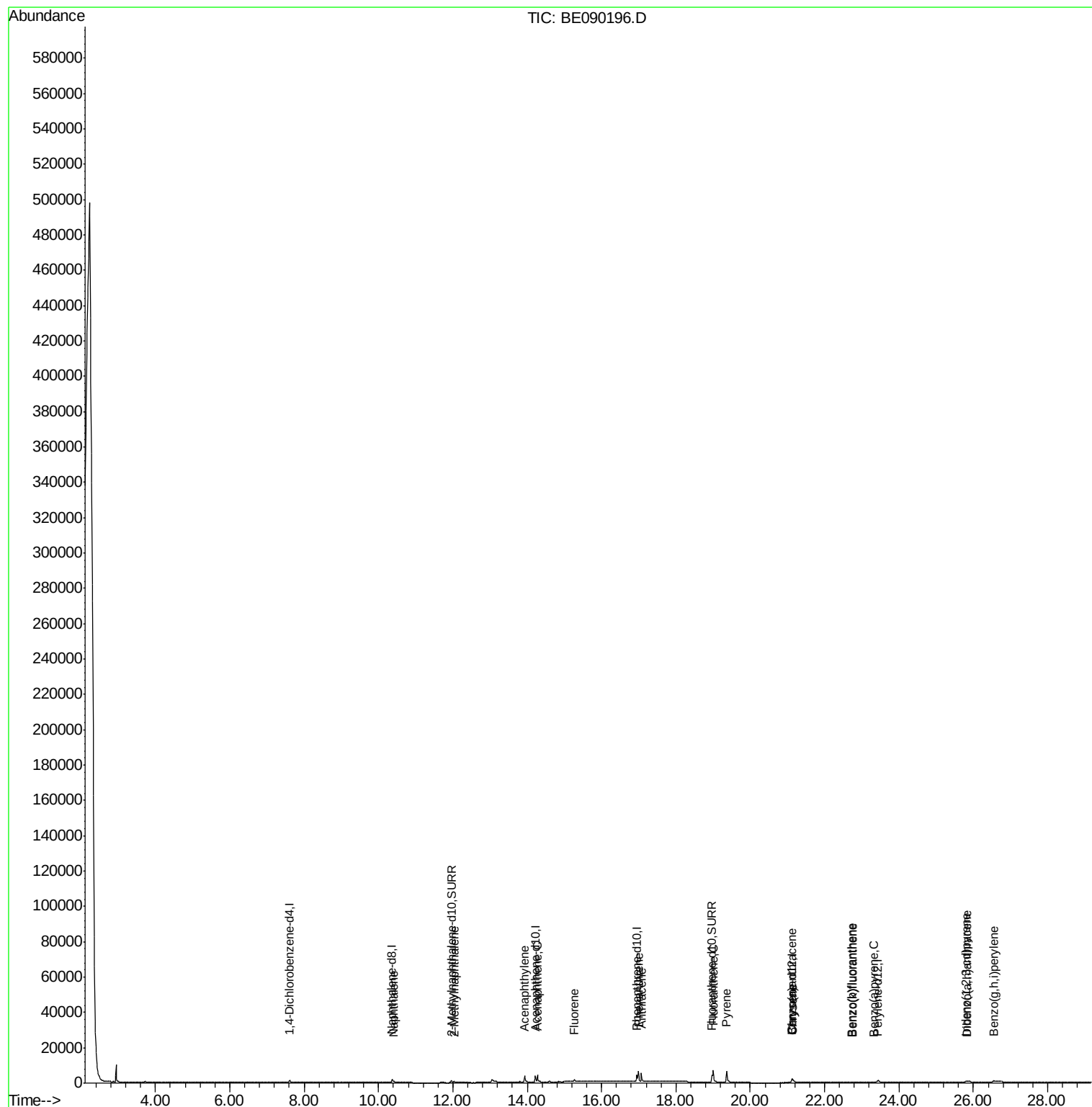
Target Compounds

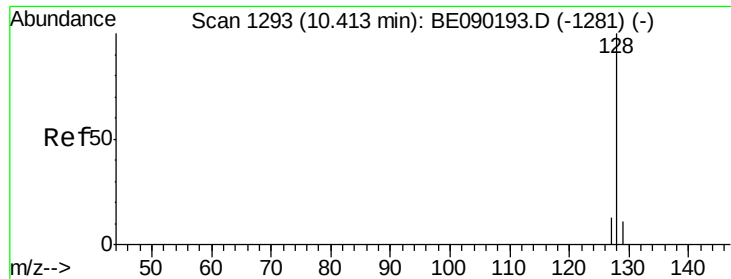
						Qvalue
3) Naphthalene	10.42	128	1066	0.11	ng/ul#	86
5) 2-Methylnaphthalene	12.03	142	721	0.11	ng/ul	96
7) Acenaphthylene	13.93	152	5080	0.11	ng/ul#	92
8) Acenaphthene	14.27	153	3608	0.11	ng/ul	96
9) Fluorene	15.27	166	1083	0.11	ng/ul#	98
12) Phenanthrene	16.99	178	7434	0.11	ng/ul	94
13) Anthracene	17.07	178	7358	0.11	ng/ul	94
15) Fluoranthene	19.00	202	8944	0.11	ng/ul	92
17) Pyrene	19.36	202	9159	0.16	ng/ul	96
18) Benzo(a)anthracene	21.10	228	734	0.06	ng/ul#	86
19) Chrysene	21.15	228	2425m	0.17	ng/ul	
21) Benzo(b)fluoranthene	22.72	252	432	0.05	ng/ul#	61
22) Benzo(k)fluoranthene	22.76	252	1028m	0.09	ng/ul	
23) Benzo(a)pyrene	23.32	252	542	0.06	ng/ul#	55
24) Indeno(1,2,3-cd)pyrene	25.81	276	1507	0.04	ng/ul	97
25) Dibenzo(a,h)anthracene	25.84	278	258	0.03	ng/ul#	35
26) Benzo(g,h,i)perylene	26.55	276	2487	0.07	ng/ul#	60

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

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#3

Naphthalene

Concen: 0.11 ng/ul

RT: 10.42 min Scan# 1294

Delta R.T. 0.01 min

Lab File: BE090196.D

Acq: 21 Jul 2015 5:14

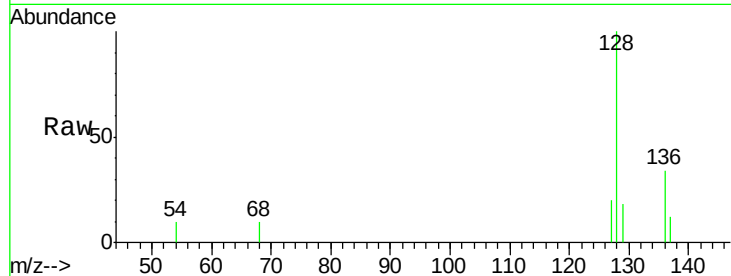
Tgt Ion:128 Resp: 1066

Ion Ratio Lower Upper

128 100

129 18.4 10.2 15.4#

127 20.3 11.9 17.9#

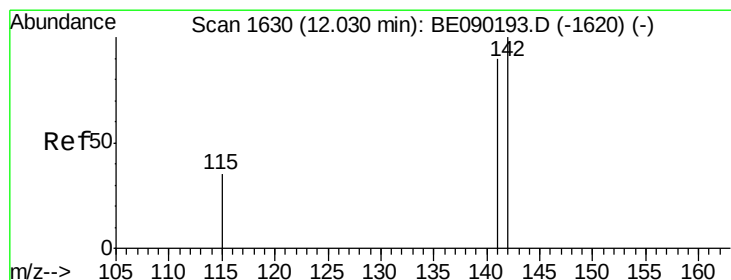
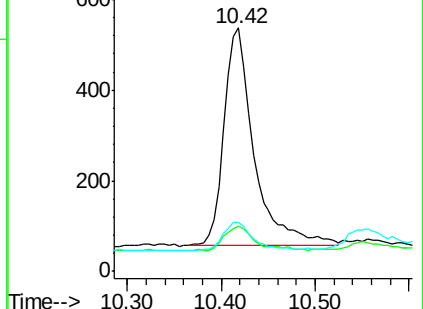
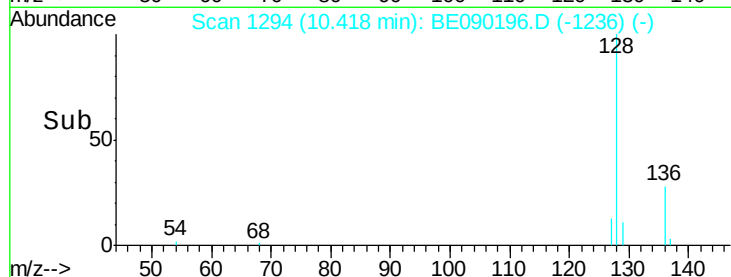


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

Time-->



#5

2-Methylnaphthalene

Concen: 0.11 ng/ul

RT: 12.03 min Scan# 1630

Delta R.T. -0.00 min

Lab File: BE090196.D

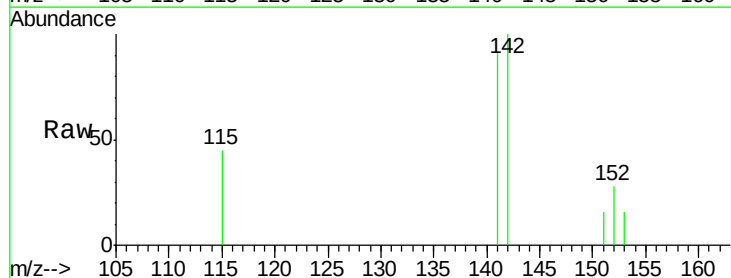
Acq: 21 Jul 2015 5:14

Tgt Ion:142 Resp: 721

Ion Ratio Lower Upper

142 100

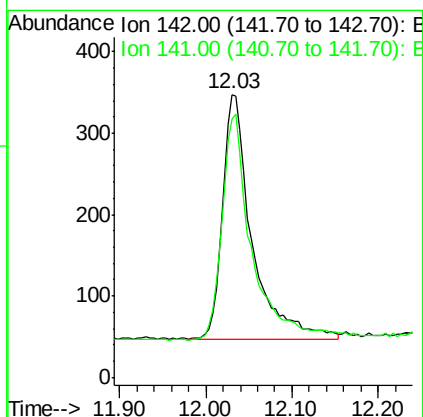
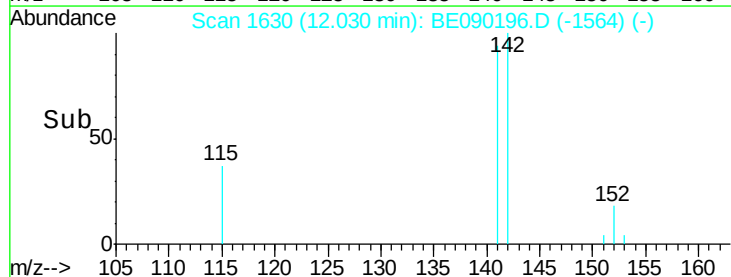
141 95.7 73.4 110.2

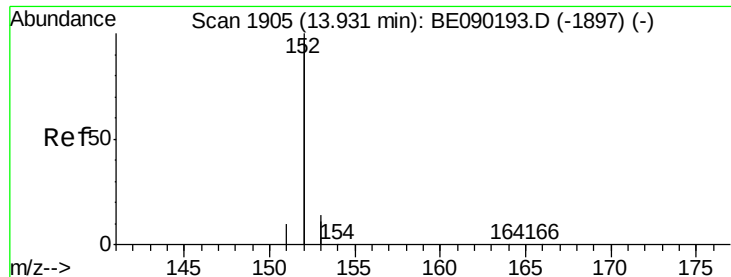


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Time-->





#7

Acenaphthylene

Concen: 0.11 ng/ul

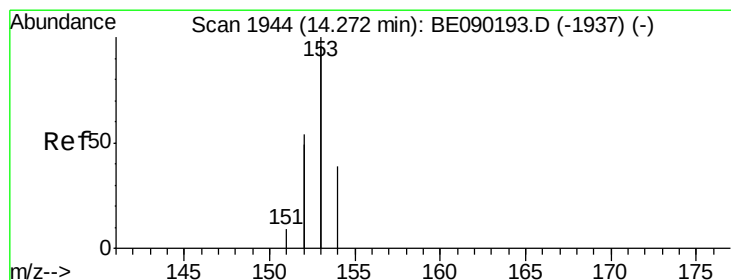
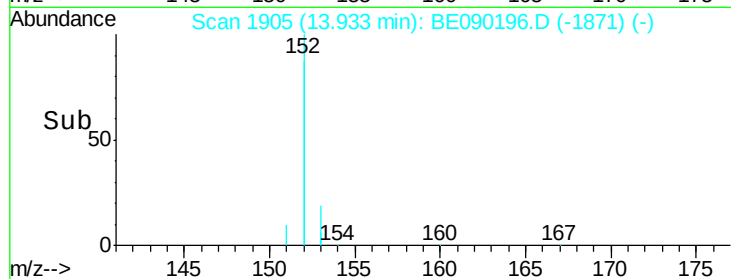
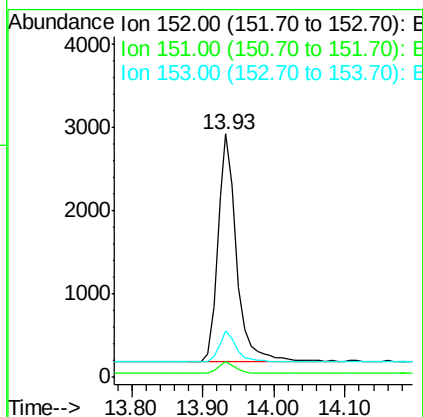
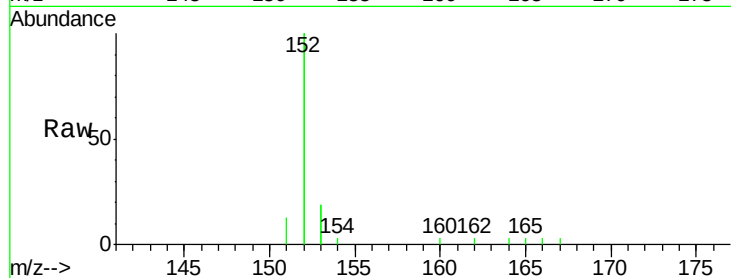
RT: 13.93 min Scan# 1905

Delta R.T. 0.00 min

Lab File: BE090196.D

Acq: 21 Jul 2015 5:14

Tgt Ion:	152	Resp:	5080
Ion	Ratio	Lower	Upper
152	100		
151	6.5	4.2	6.4#
153	18.9	11.9	17.9#



#8

Acenaphthene

Concen: 0.11 ng/ul

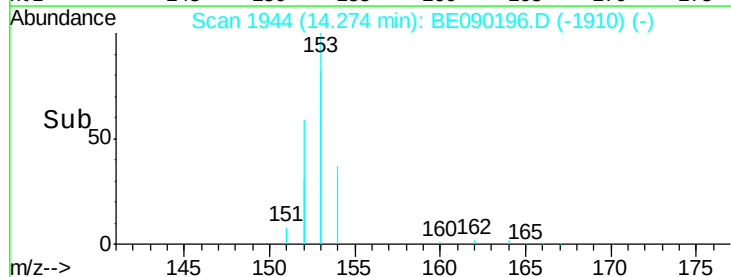
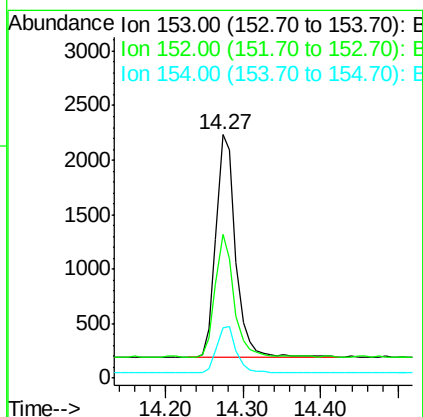
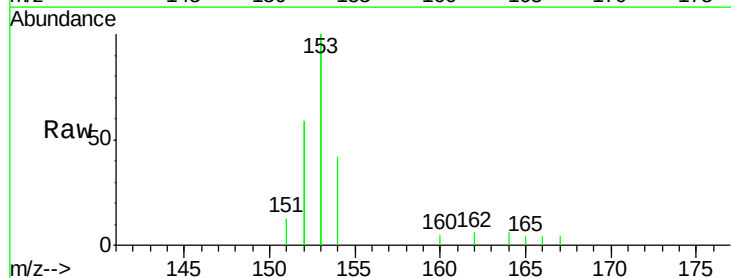
RT: 14.27 min Scan# 1944

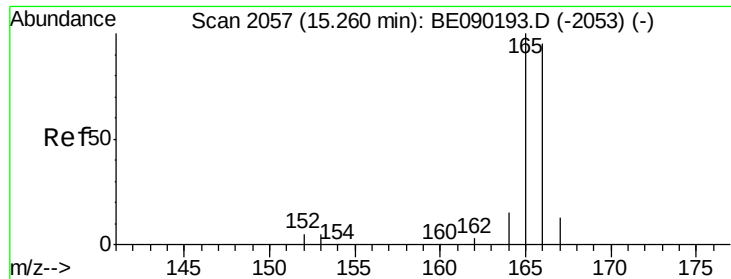
Delta R.T. 0.00 min

Lab File: BE090196.D

Acq: 21 Jul 2015 5:14

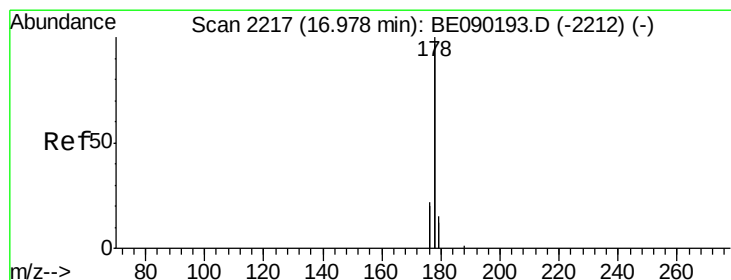
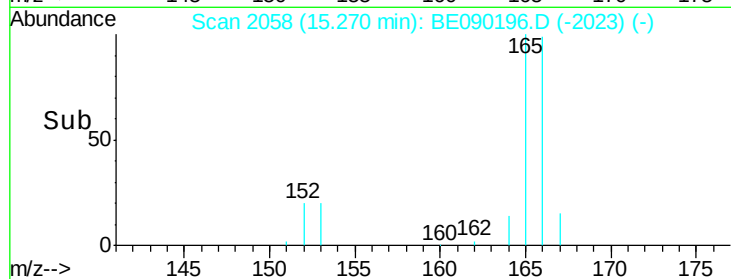
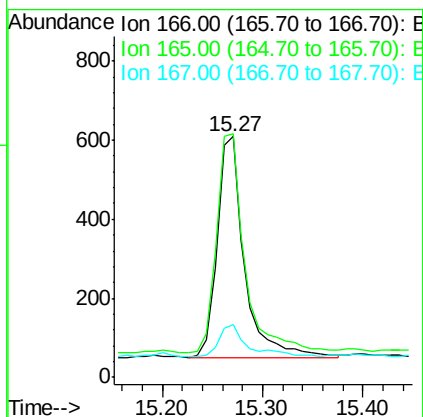
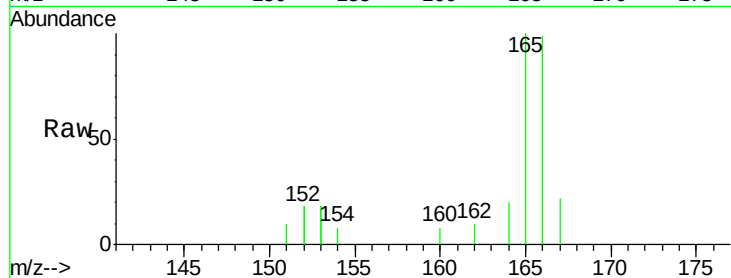
Tgt Ion:	153	Resp:	3608
Ion	Ratio	Lower	Upper
153	100		
152	58.9	43.8	65.8
154	20.8	16.8	25.2





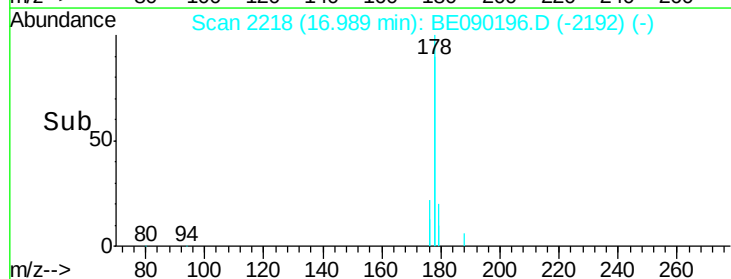
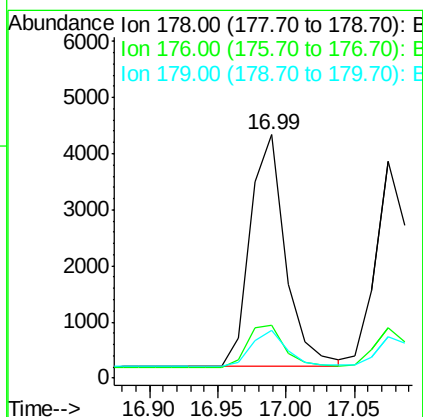
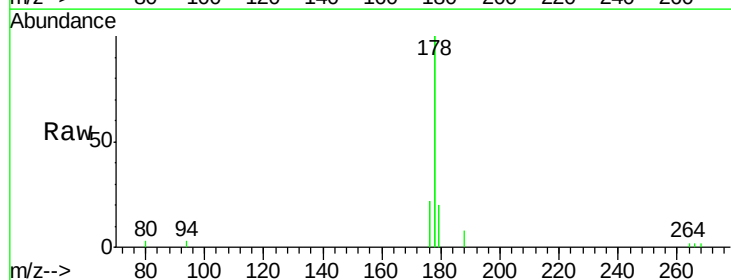
#9
Fluorene
 Concen: 0.11 ng/ul
 RT: 15.27 min Scan# 2058
 Delta R.T. 0.01 min
 Lab File: BE090196.D
 Acq: 21 Jul 2015 5:14

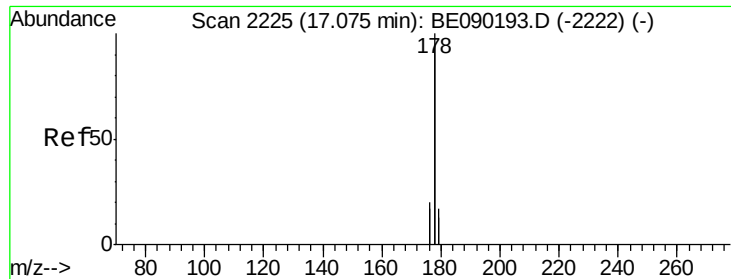
Tgt Ion	Ratio	Lower	Upper
166	100		
165	101.1	81.2	121.8
167	22.2	12.6	19.0



#12
Phenanthrene
 Concen: 0.11 ng/ul
 RT: 16.99 min Scan# 2218
 Delta R.T. 0.01 min
 Lab File: BE090196.D
 Acq: 21 Jul 2015 5:14

Tgt Ion	Ratio	Lower	Upper
178	100		
176	21.9	15.3	22.9
179	19.6	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: BE090196.D

Acq: 21 Jul 2015 5:14

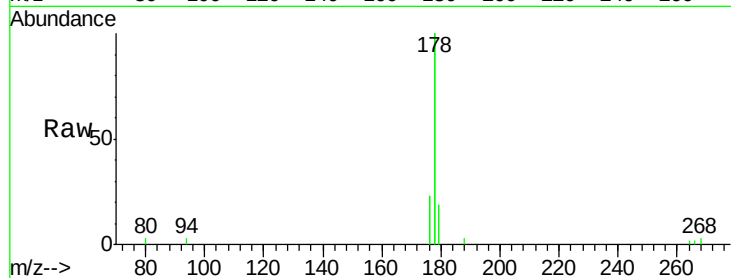
Tgt Ion:178 Resp: 7358

Ion Ratio Lower Upper

178 100

176 23.1 16.0 24.0

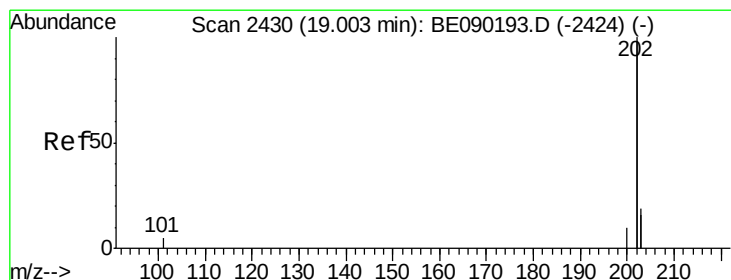
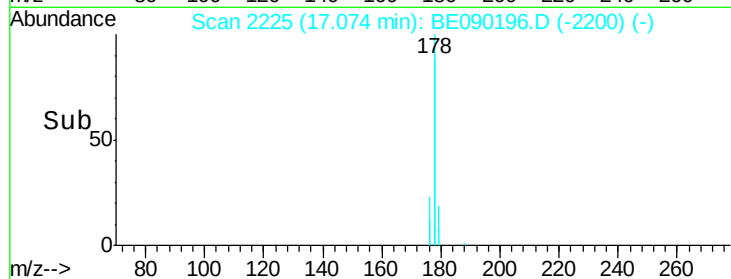
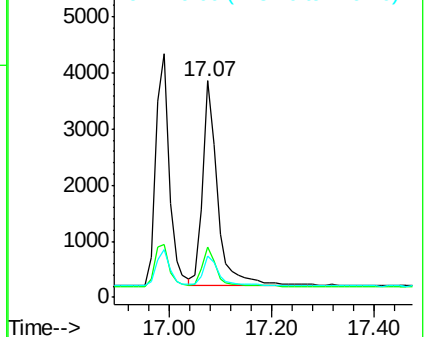
179 19.1 13.4 20.0



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: BE090196.D

Acq: 21 Jul 2015 5:14

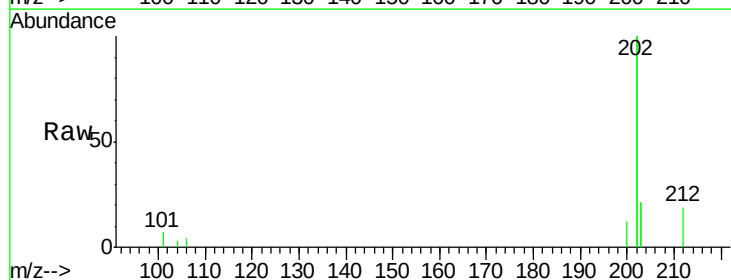
Tgt Ion:202 Resp: 8944

Ion Ratio Lower Upper

202 100

101 3.3 0.0 23.0

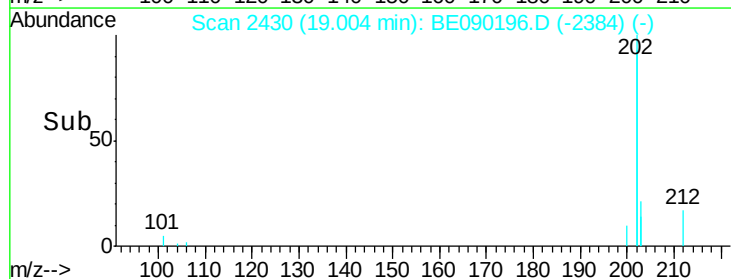
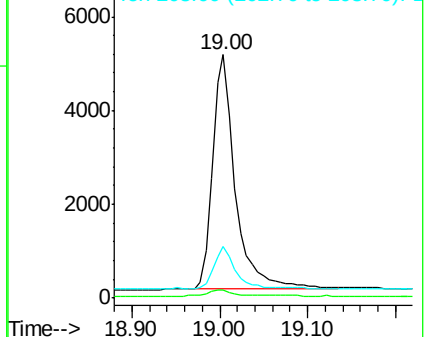
203 21.0 0.0 37.0

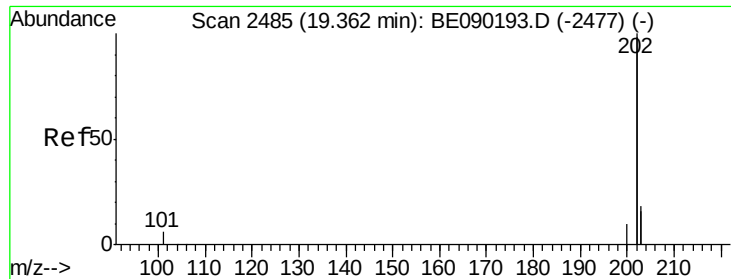


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

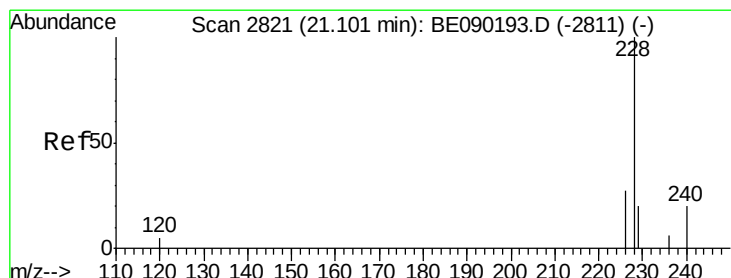
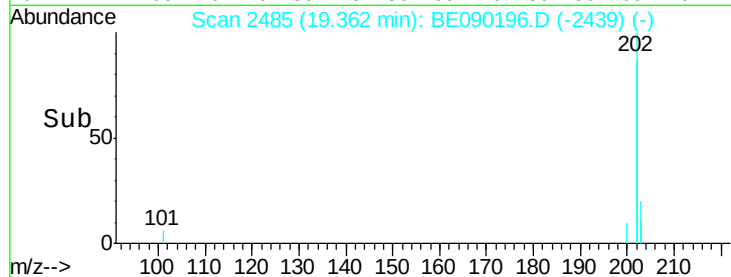
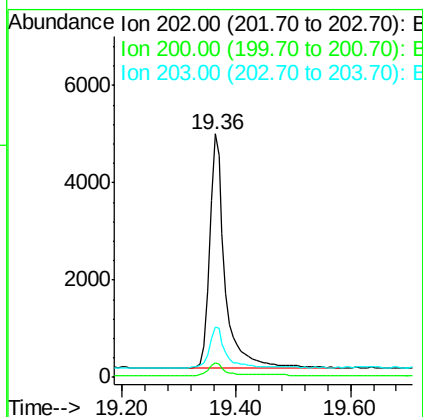
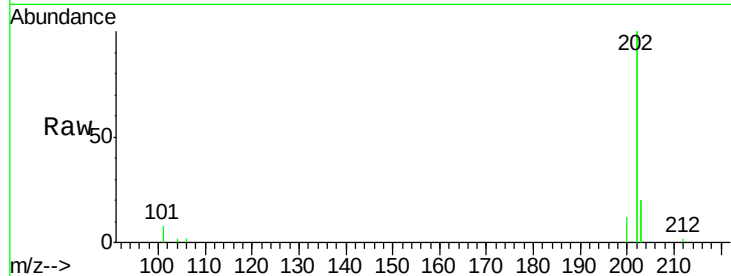
Ion 203.00 (202.70 to 203.70): E





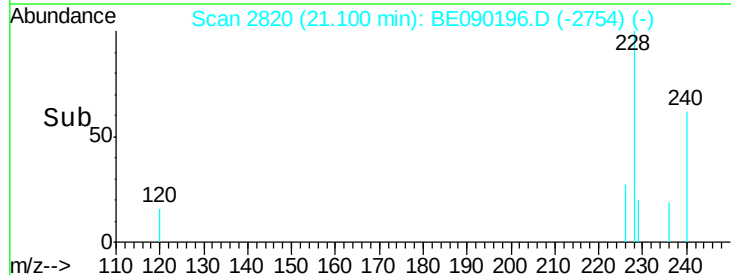
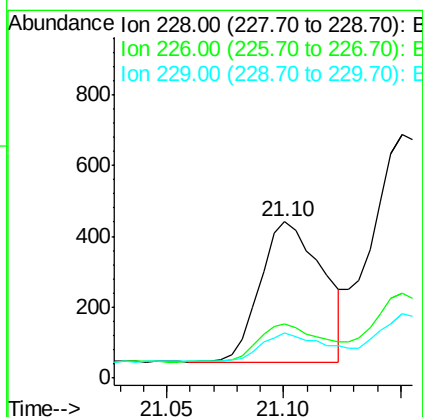
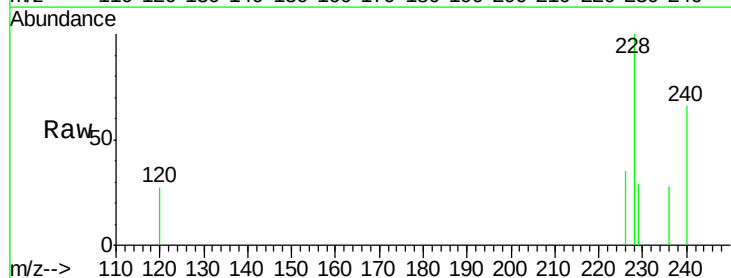
#17
 Pyrene
 Concen: 0.16 ng/ul
 RT: 19.36 min Scan# 2485
 Delta R.T. 0.00 min
 Lab File: BE090196.D
 Acq: 21 Jul 2015 5:14

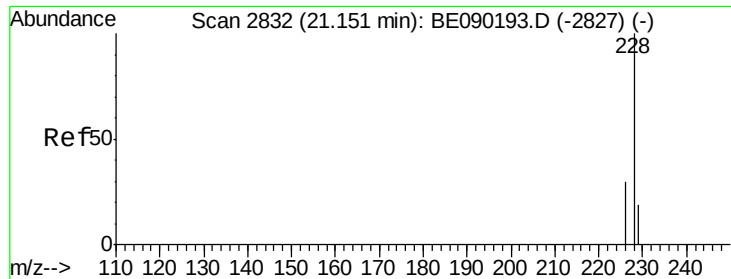
Tgt Ion: 202 Resp: 9159
 Ion Ratio Lower Upper
 202 100
 200 6.1 4.3 6.5
 203 20.5 14.6 21.8



#18
 Benzo(a)anthracene
 Concen: 0.06 ng/ul
 RT: 21.10 min Scan# 2820
 Delta R.T. -0.00 min
 Lab File: BE090196.D
 Acq: 21 Jul 2015 5:14

Tgt Ion: 228 Resp: 734
 Ion Ratio Lower Upper
 228 100
 226 34.5 22.2 33.4#
 229 28.9 16.9 25.3#





#19

Chrysene

Concen: 0.17 ng/ul m

RT: 21.15 min Scan# 2831

Delta R.T. -0.00 min

Lab File: BE090196.D

Acq: 21 Jul 2015 5:14

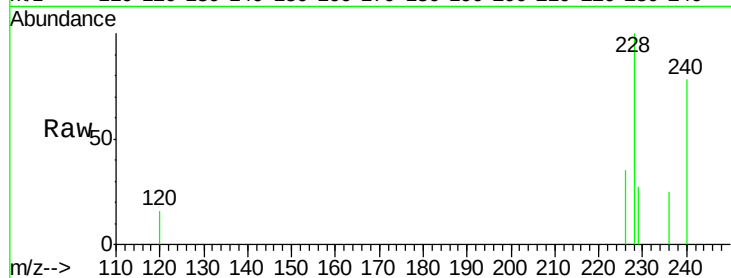
Tgt Ion: 228 Resp: 2425

Ion Ratio Lower Upper

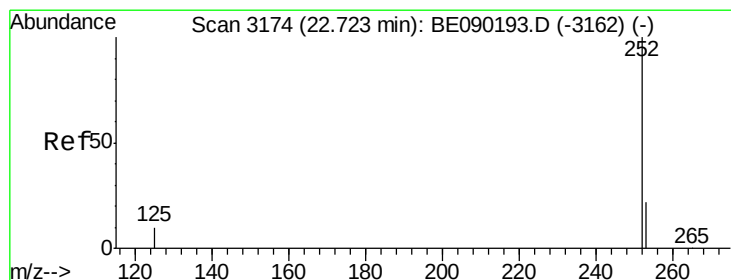
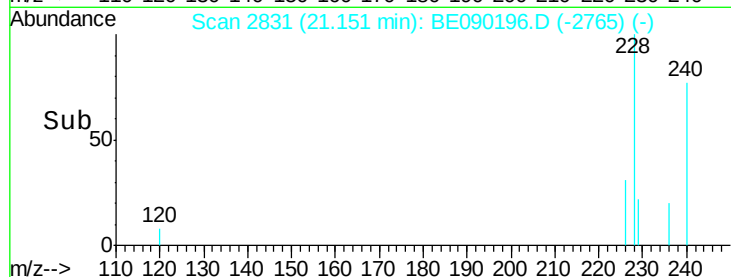
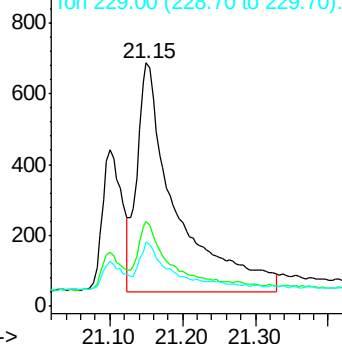
228 100

226 35.1 24.3 36.5

229 26.6 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# 3172

Delta R.T. -0.01 min

Lab File: BE090196.D

Acq: 21 Jul 2015 5:14

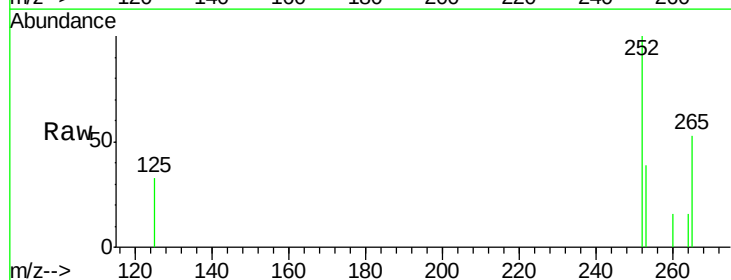
Tgt Ion: 252 Resp: 432

Ion Ratio Lower Upper

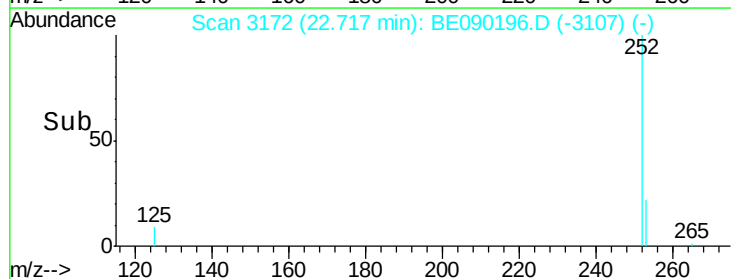
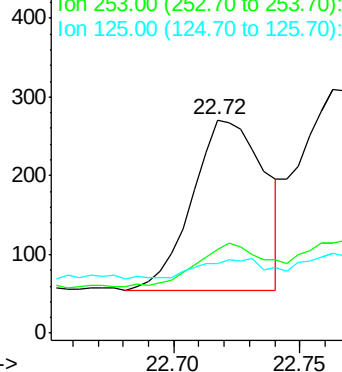
252 100

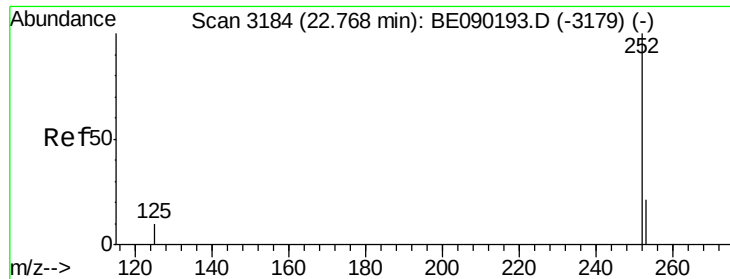
253 39.1 0.0 46.8

125 32.8 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: 0.09 ng/ul m

RT: 22.76 min Scan# 3182

Delta R.T. -0.01 min

Lab File: BE090196.D

Acq: 21 Jul 2015 5:14

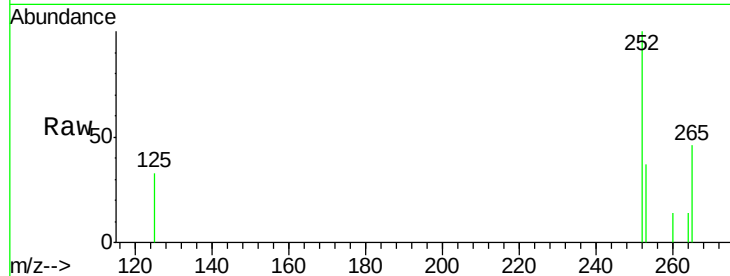
Tgt Ion: 252 Resp: 1028

Ion Ratio Lower Upper

252 100

253 37.2 18.3 27.5#

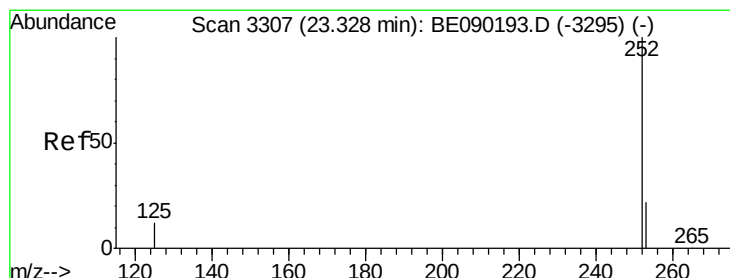
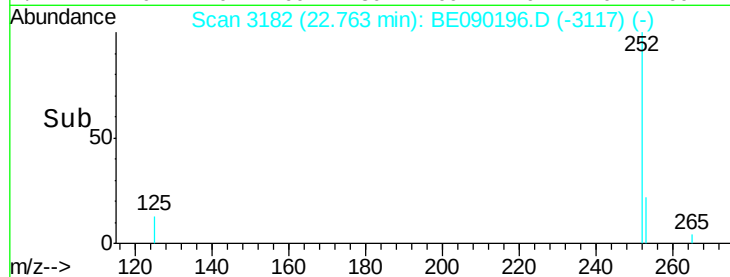
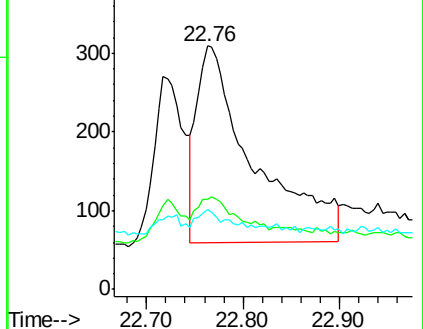
125 33.0 9.8 14.8#



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: BE090196.D

Acq: 21 Jul 2015 5:14

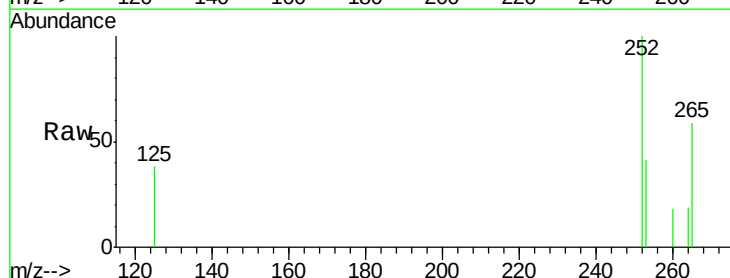
Tgt Ion: 252 Resp: 542

Ion Ratio Lower Upper

252 100

253 41.1 18.4 27.6#

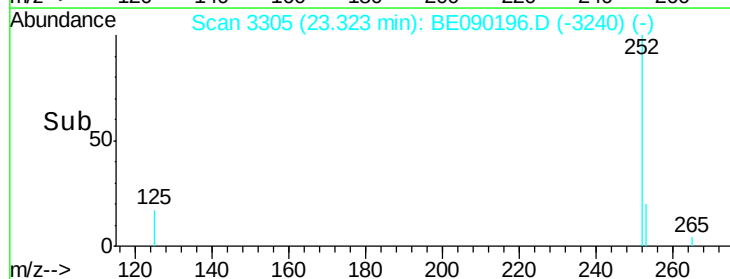
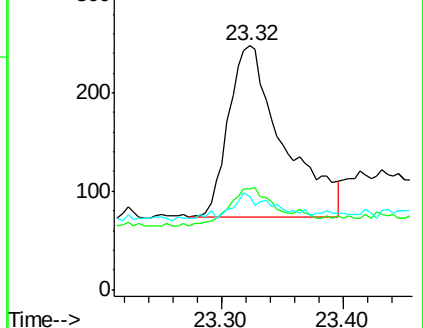
125 38.3 11.5 17.3#

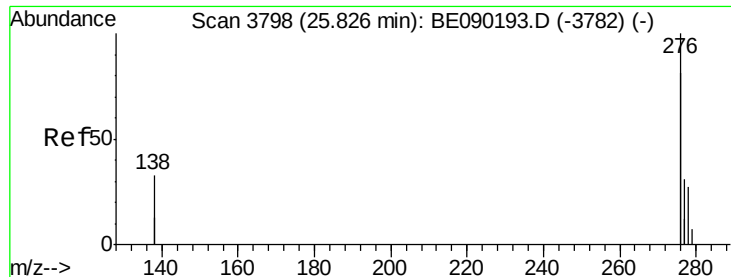


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

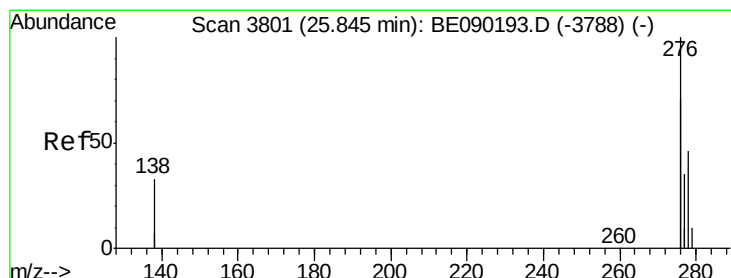
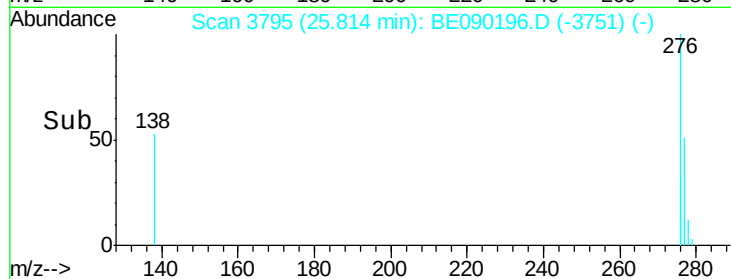
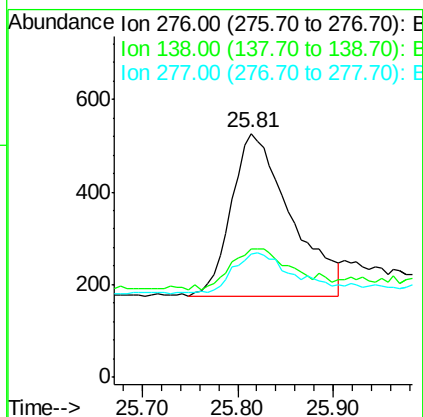
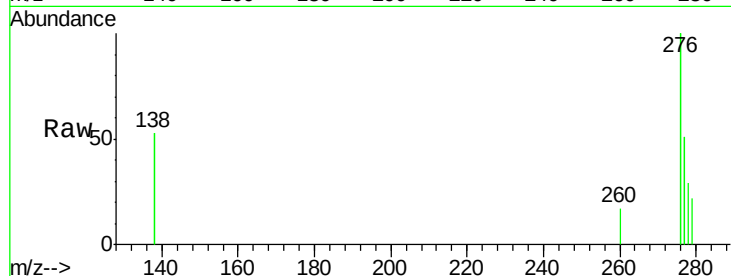
Ion 125.00 (124.70 to 125.70): E





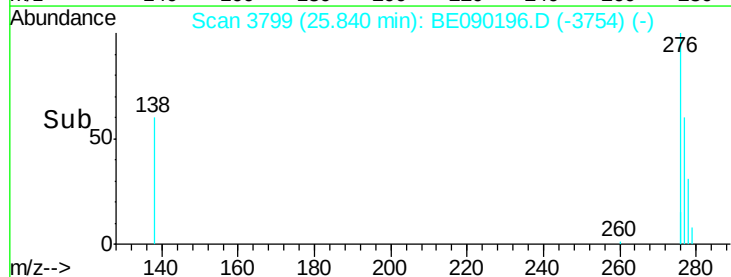
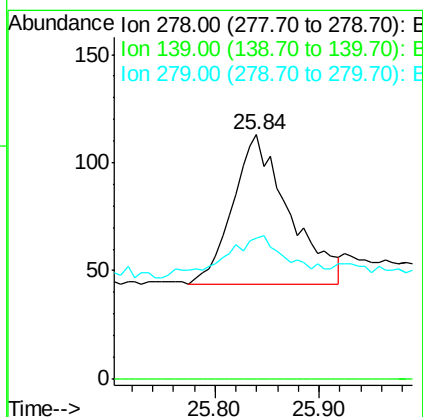
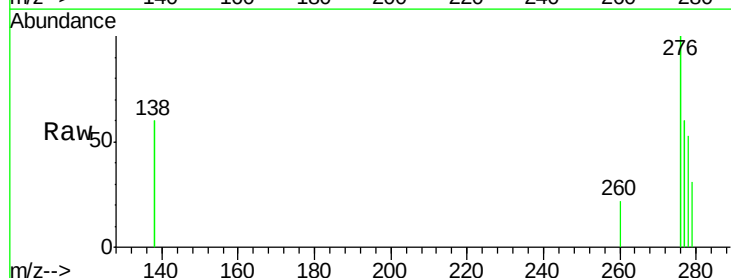
#24
 Indeno(1,2,3-cd)pyrene
 Concen: 0.04 ng/ul
 RT: 25.81 min Scan# 3795
 Delta R.T. -0.01 min
 Lab File: BE090196.D
 Acq: 21 Jul 2015 5:14

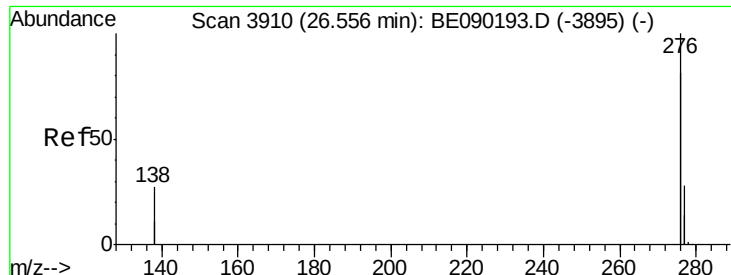
Tgt Ion: 276 Resp: 1507
 Ion Ratio Lower Upper
 276 100
 138 24.1 19.8 29.8
 277 26.8 19.8 29.6



#25
 Dibenzo(a,h)anthracene
 Concen: 0.03 ng/ul
 RT: 25.84 min Scan# 3799
 Delta R.T. -0.01 min
 Lab File: BE090196.D
 Acq: 21 Jul 2015 5:14

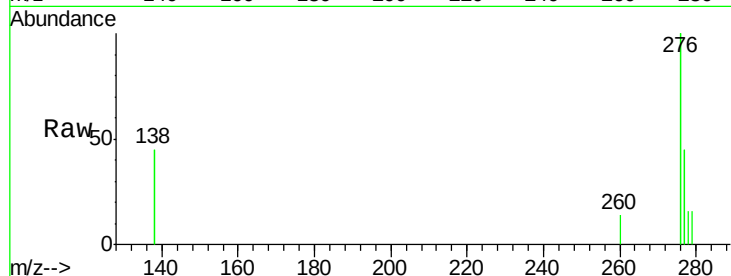
Tgt Ion: 278 Resp: 258
 Ion Ratio Lower Upper
 278 100
 139 0.0 0.0 0.0
 279 57.5 20.0 30.0#





#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: BE090196.D
 Acq: 21 Jul 2015 5:14

Tgt Ion	Ratio	Lower	Upper
276	100		
277	45.0	20.6	31.0
138	44.7	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

