

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE072115\
 Data File : BE090190.D
 Acq On : 21 Jul 2015 00:22
 Operator : TP/IZ
 Sample : MDL-05-W
 Misc : MDL-WATER-SIM2.2-0.07PPM
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jul 21 05:50:30 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	943	0.40	ng/ul	0.00
2) Naphthalene-d8	10.37	136	4531	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.22	164	2610	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.95	188	7031	0.40	ng/ul	0.01
16) Chrysene-d12	21.12	240	6486	0.40	ng/ul	0.00
20) Perylene-d12	23.43	264	4971	0.40	ng/ul	0.00

System Monitoring Compounds

4) 2-Methylnaphthalene-d10	11.96	152	2742	0.38	ng/ul	0.00
14) Fluoranthene-d10	18.98	212	8233	0.39	ng/ul	0.00

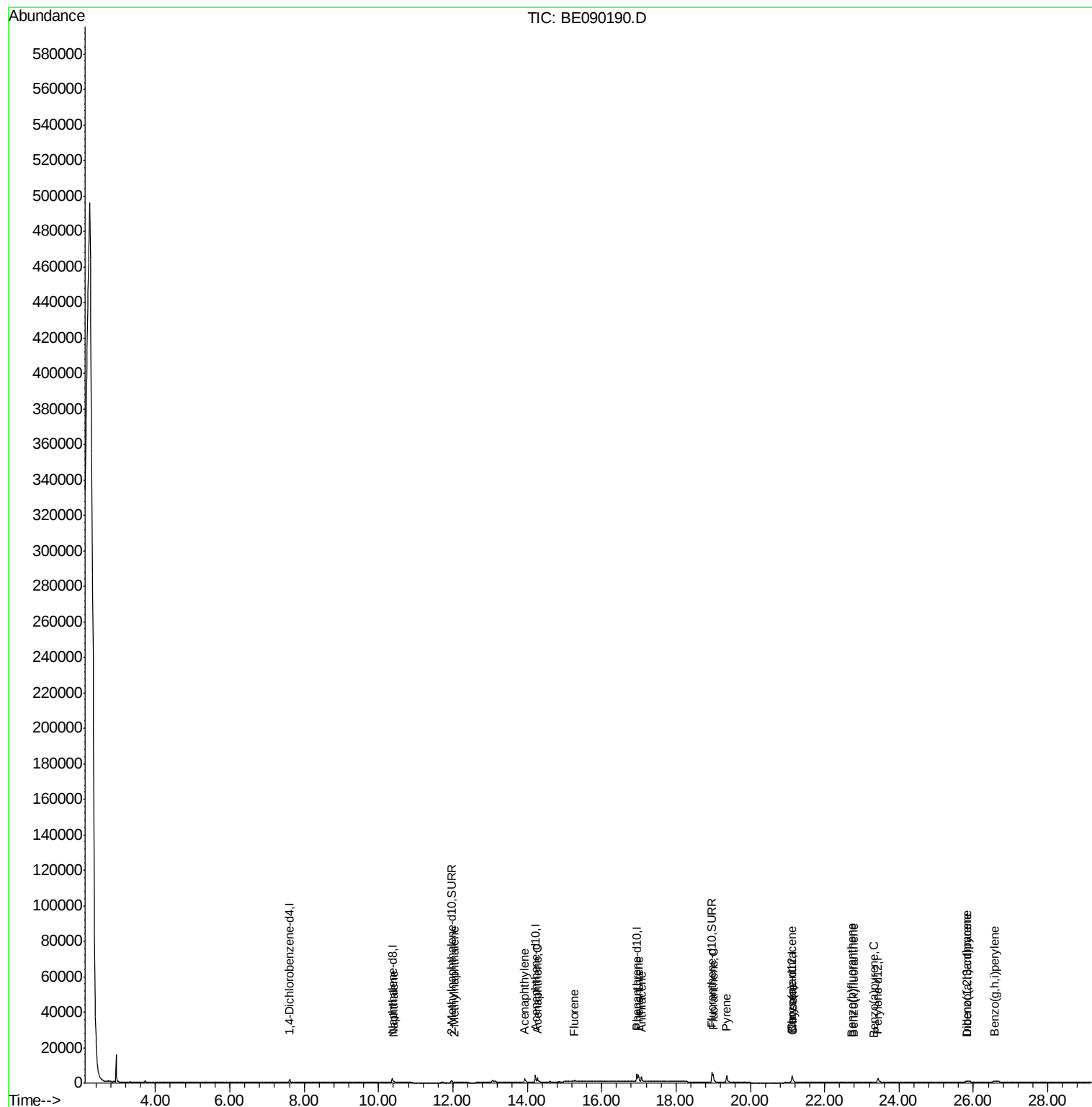
Target Compounds

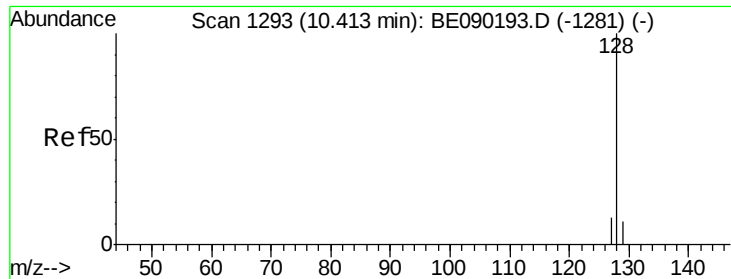
						Qvalue
3) Naphthalene	10.42	128	641	0.05	ng/ul#	78
5) 2-Methylnaphthalene	12.03	142	414	0.05	ng/ul	94
7) Acenaphthylene	13.93	152	3025	0.06	ng/ul#	86
8) Acenaphthene	14.27	153	2147	0.05	ng/ul	93
9) Fluorene	15.27	166	658	0.06	ng/ul#	94
12) Phenanthrene	16.99	178	4411	0.05	ng/ul#	88
13) Anthracene	17.07	178	4259	0.05	ng/ul#	84
15) Fluoranthene	19.00	202	5275	0.05	ng/ul	88
17) Pyrene	19.36	202	5384	0.07	ng/ul#	93
18) Benzo(a)anthracene	21.10	228	632	0.04	ng/ul#	83
19) Chrysene	21.15	228	1378m	0.07	ng/ul	
21) Benzo(b)fluoranthene	22.73	252	392	0.03	ng/ul#	51
22) Benzo(k)fluoranthene	22.77	252	748m	0.04	ng/ul	
23) Benzo(a)pyrene	23.33	252	461	0.03	ng/ul#	42
24) Indeno(1,2,3-cd)pyrene	25.83	276	1407	0.02	ng/ul	97
25) Dibenzo(a,h)anthracene	25.85	278	232	0.02	ng/ul#	27
26) Benzo(g,h,i)perylene	26.56	276	1860	0.03	ng/ul#	54

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

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#3

Naphthalene

Concen: 0.05 ng/ul

RT: 10.42 min Scan# 1294

Delta R.T. 0.00 min

Lab File: BE090190.D

Acq: 21 Jul 2015 00:22

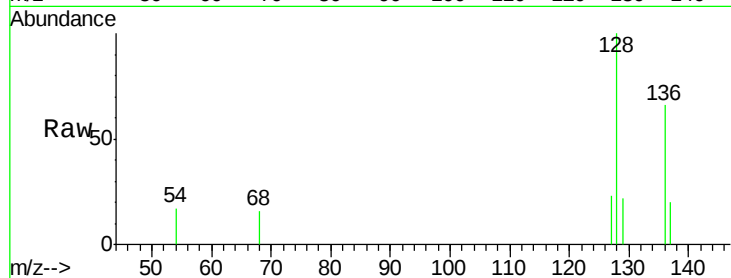
Tgt Ion:128 Resp: 641

Ion Ratio Lower Upper

128 100

129 22.1 10.2 15.4#

127 23.2 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

10.42

400

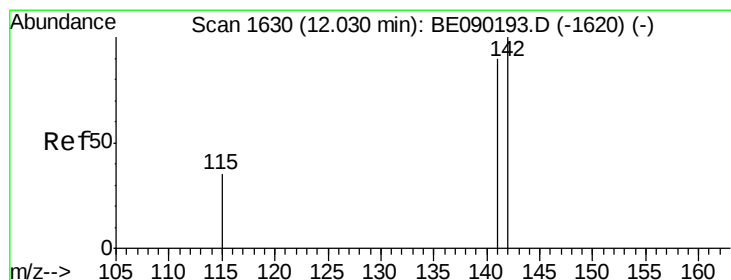
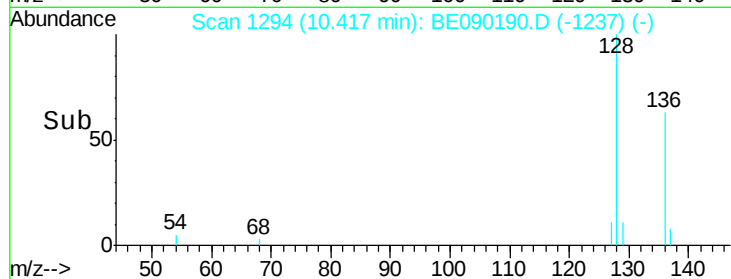
300

200

100

0

Time--> 10.30 10.40 10.50



#5

2-Methylnaphthalene

Concen: 0.05 ng/ul

RT: 12.03 min Scan# 1630

Delta R.T. -0.00 min

Lab File: BE090190.D

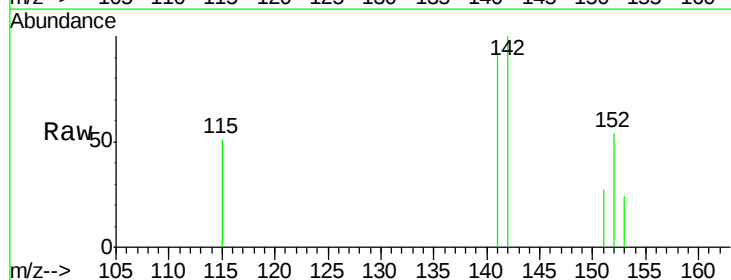
Acq: 21 Jul 2015 00:22

Tgt Ion:142 Resp: 414

Ion Ratio Lower Upper

142 100

141 97.8 73.4 110.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

12.03

250

200

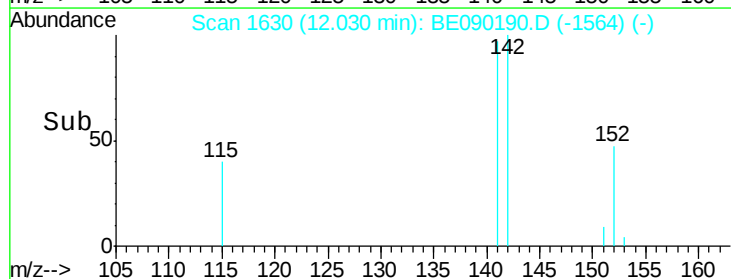
150

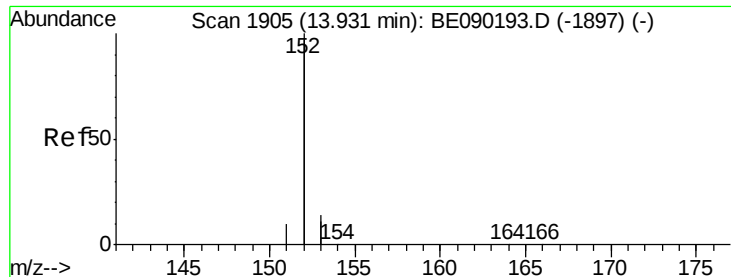
100

50

0

Time--> 12.00 12.10





#7

Acenaphthylene

Concen: 0.06 ng/ul

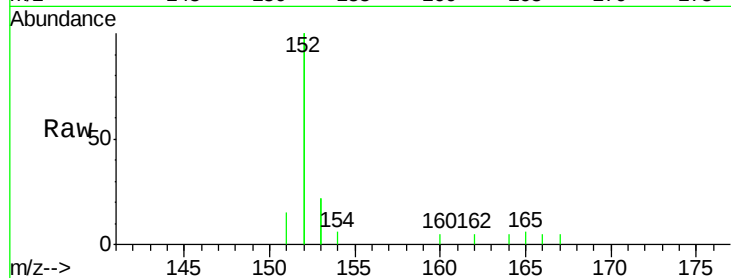
RT: 13.93 min Scan# 1905

Delta R.T. -0.00 min

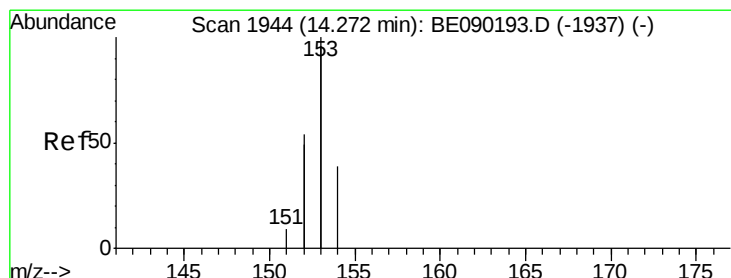
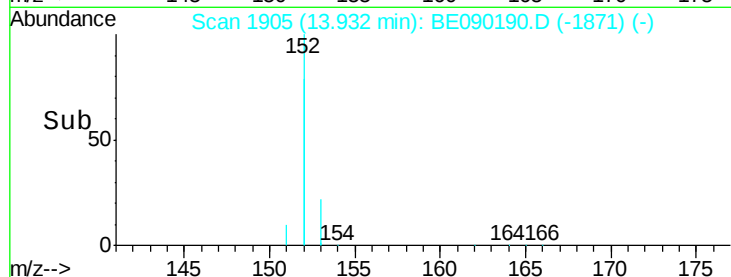
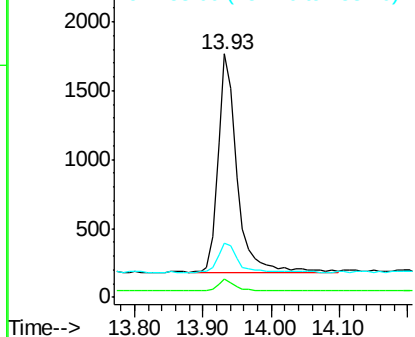
Lab File: BE090190.D

Acq: 21 Jul 2015 00:22

Tgt Ion:	152	Resp:	3025
Ion	Ratio	Lower	Upper
152	100		
151	7.4	4.2	6.4#
153	22.1	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

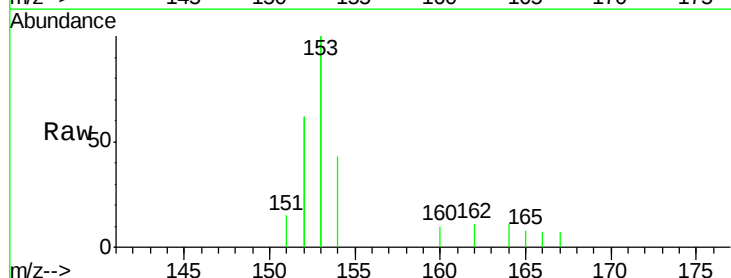
RT: 14.27 min Scan# 1944

Delta R.T. -0.00 min

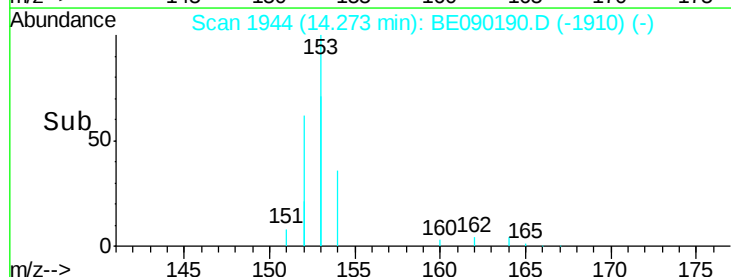
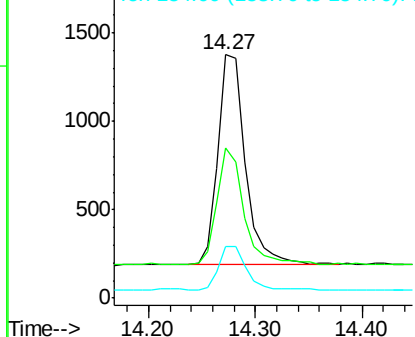
Lab File: BE090190.D

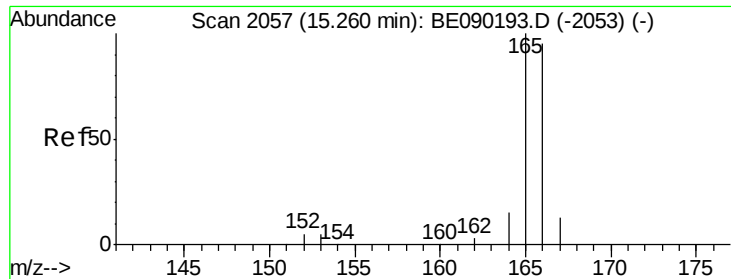
Acq: 21 Jul 2015 00:22

Tgt Ion:	153	Resp:	2147
Ion	Ratio	Lower	Upper
153	100		
152	61.8	43.8	65.8
154	21.5	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: 0.06 ng/ul

RT: 15.27 min Scan# 2058

Delta R.T. 0.01 min

Lab File: BE090190.D

Acq: 21 Jul 2015 00:22

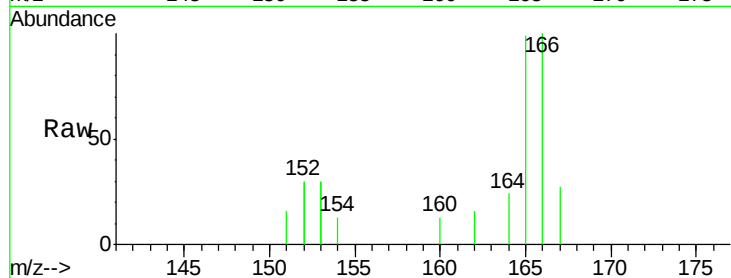
Tgt Ion:166 Resp: 658

Ion Ratio Lower Upper

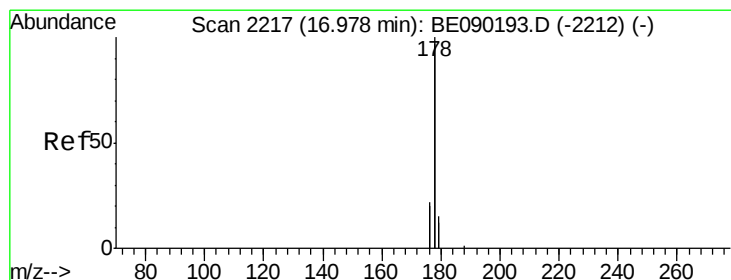
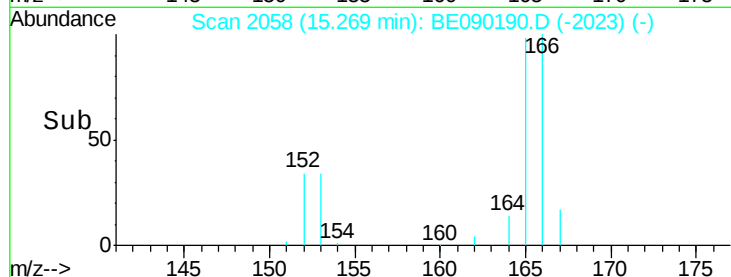
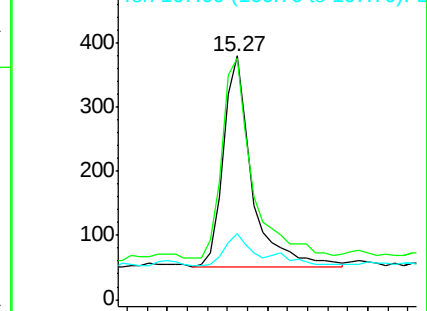
166 100

165 99.2 81.2 121.8

167 27.1 12.6 19.0#



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E



#12

Phenanthrene

Concen: 0.05 ng/ul

RT: 16.99 min Scan# 2218

Delta R.T. -0.00 min

Lab File: BE090190.D

Acq: 21 Jul 2015 00:22

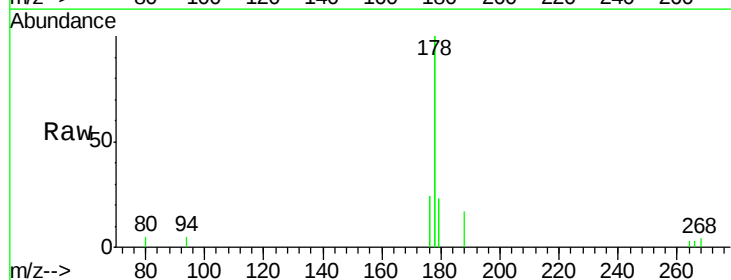
Tgt Ion:178 Resp: 4411

Ion Ratio Lower Upper

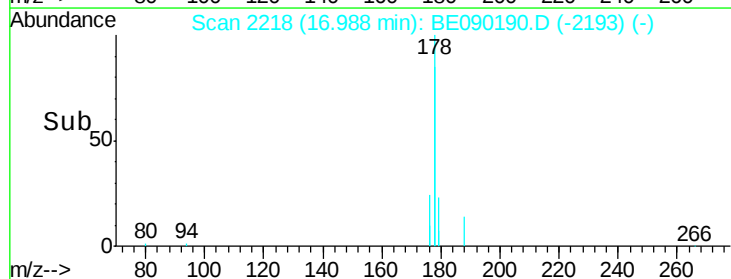
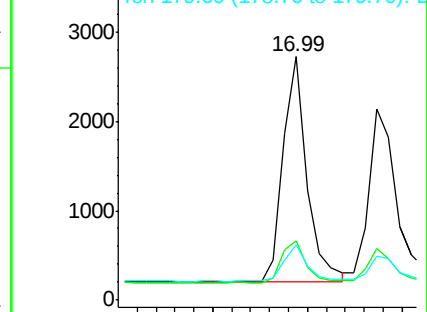
178 100

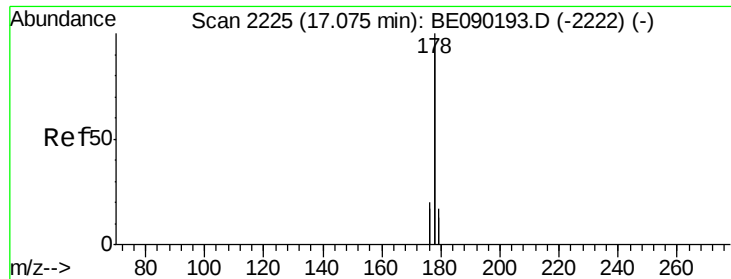
176 24.3 15.3 22.9#

179 22.9 14.0 21.0#



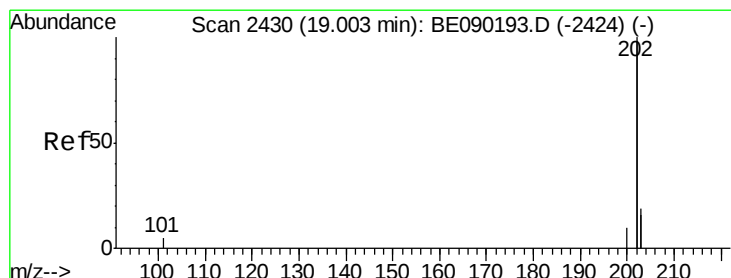
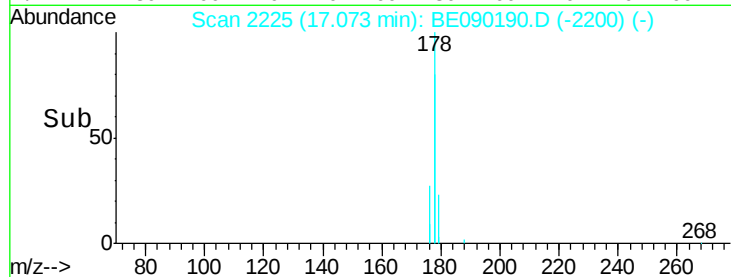
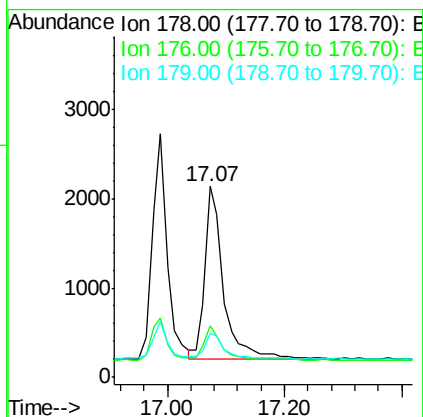
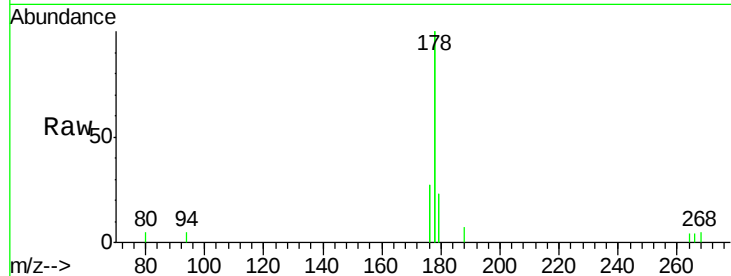
Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





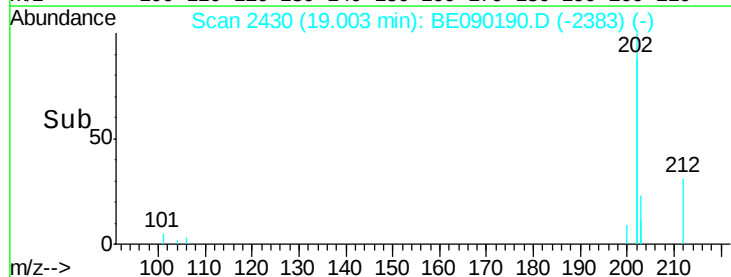
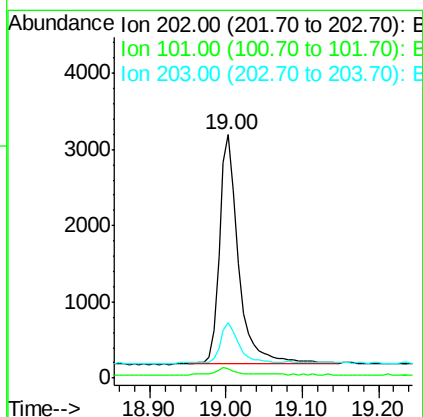
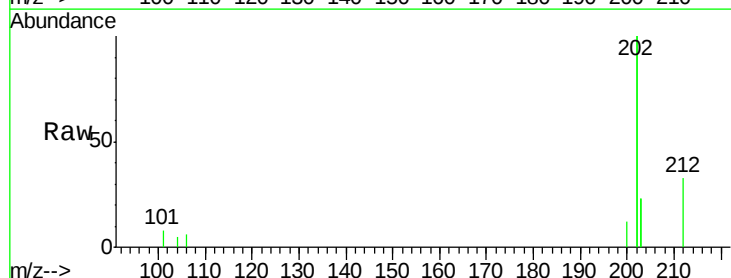
#13
 Anthracene
 Concen: 0.05 ng/ul
 RT: 17.07 min Scan# 2225
 Delta R.T. -0.00 min
 Lab File: BE090190.D
 Acq: 21 Jul 2015 00:22

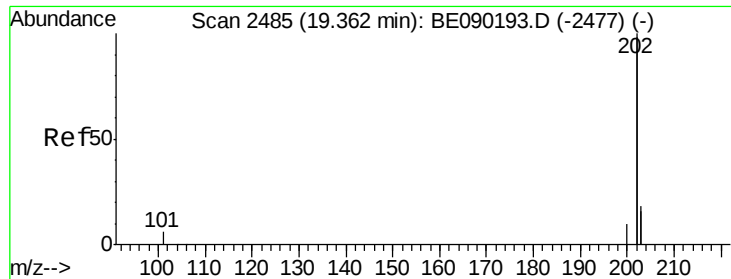
Tgt Ion:178 Resp: 4259
 Ion Ratio Lower Upper
 178 100
 176 27.3 16.0 24.0#
 179 23.2 13.4 20.0#



#15
 Fluoranthene
 Concen: 0.05 ng/ul
 RT: 19.00 min Scan# 2430
 Delta R.T. 0.01 min
 Lab File: BE090190.D
 Acq: 21 Jul 2015 00:22

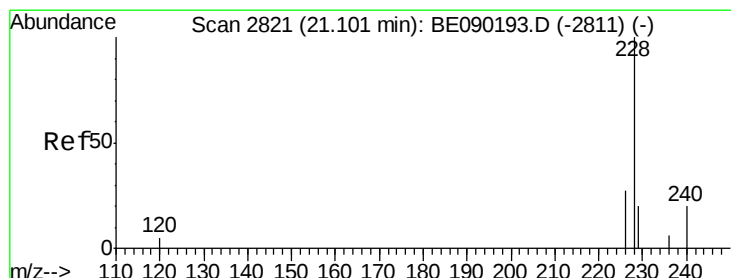
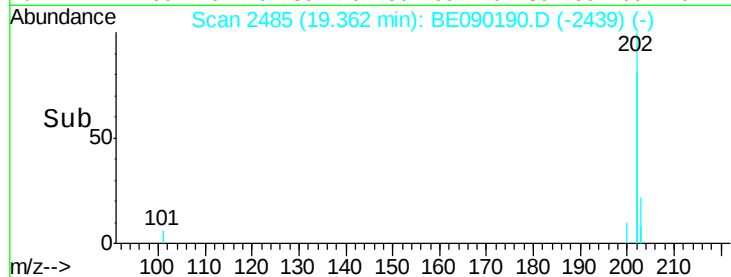
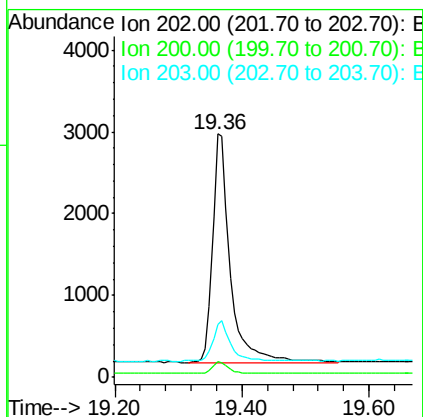
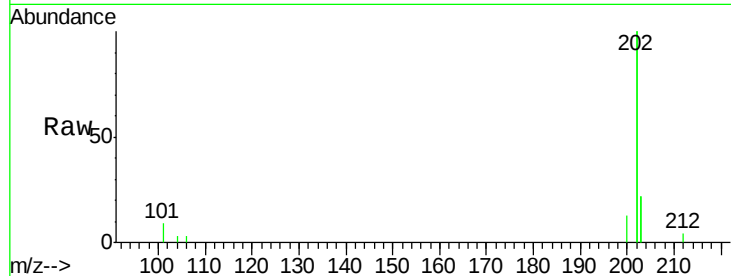
Tgt Ion:202 Resp: 5275
 Ion Ratio Lower Upper
 202 100
 101 4.0 0.0 23.0
 203 23.0 0.0 37.0





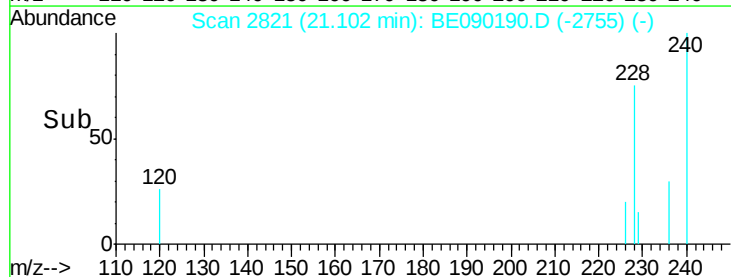
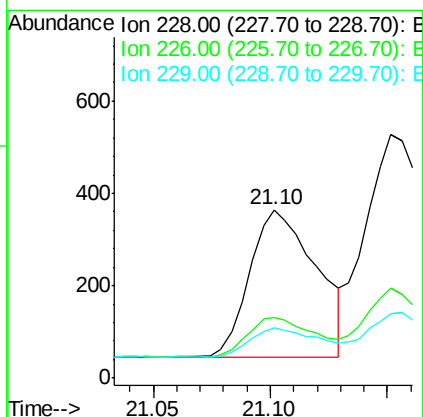
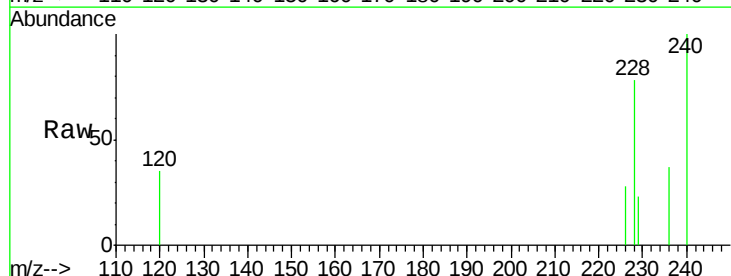
#17
Pyrene
Concen: 0.07 ng/ul
RT: 19.36 min Scan# 2485
Delta R.T. -0.00 min
Lab File: BE090190.D
Acq: 21 Jul 2015 00:22

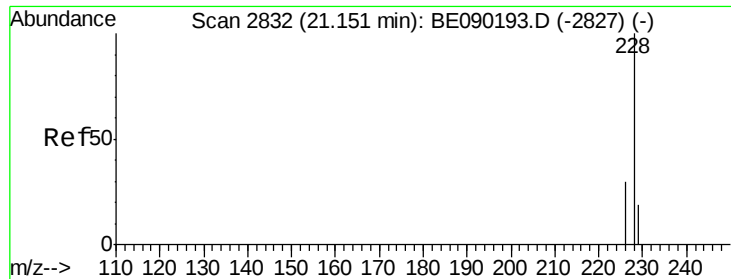
Tgt Ion: 202 Resp: 5384
Ion Ratio Lower Upper
202 100
200 6.6 4.3 6.5#
203 21.9 14.6 21.8#



#18
Benzo(a)anthracene
Concen: 0.04 ng/ul
RT: 21.10 min Scan# 2821
Delta R.T. 0.00 min
Lab File: BE090190.D
Acq: 21 Jul 2015 00:22

Tgt Ion: 228 Resp: 632
Ion Ratio Lower Upper
228 100
226 36.3 22.2 33.4#
229 29.9 16.9 25.3#





#19

Chrysene

Concen: 0.07 ng/ul m

RT: 21.15 min Scan# 2832

Delta R.T. 0.00 min

Lab File: BE090190.D

Acq: 21 Jul 2015 00:22

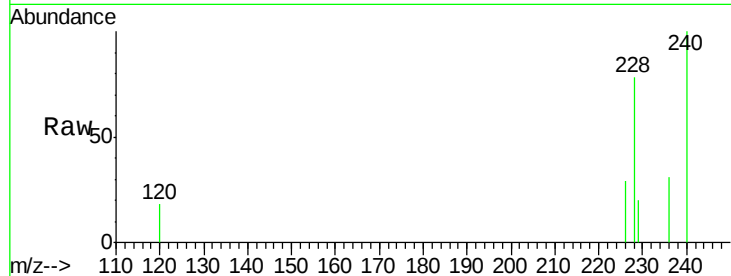
Tgt Ion:228 Resp: 1378

Ion Ratio Lower Upper

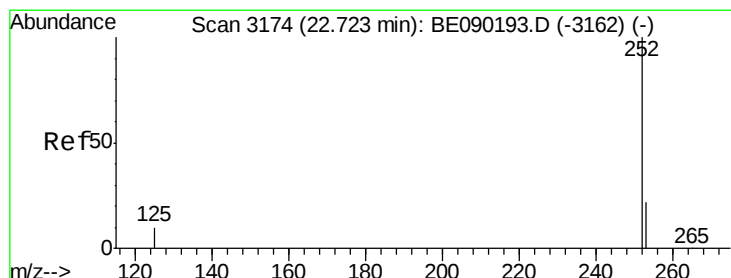
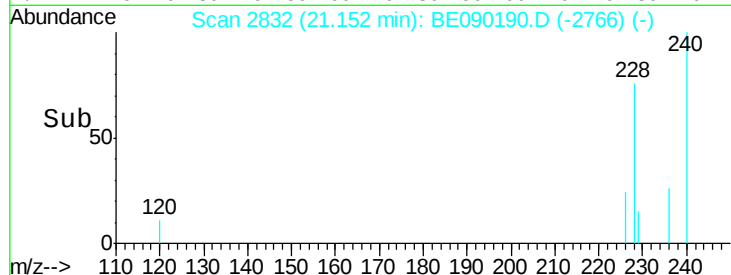
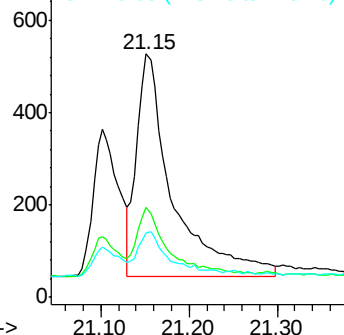
228 100

226 37.2 24.3 36.5#

229 26.2 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: 22.73 min Scan# 3174

Delta R.T. 0.00 min

Lab File: BE090190.D

Acq: 21 Jul 2015 00:22

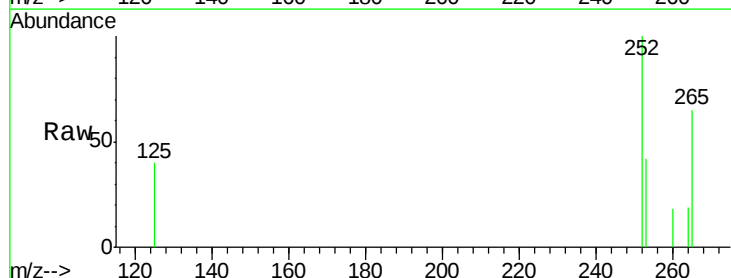
Tgt Ion:252 Resp: 392

Ion Ratio Lower Upper

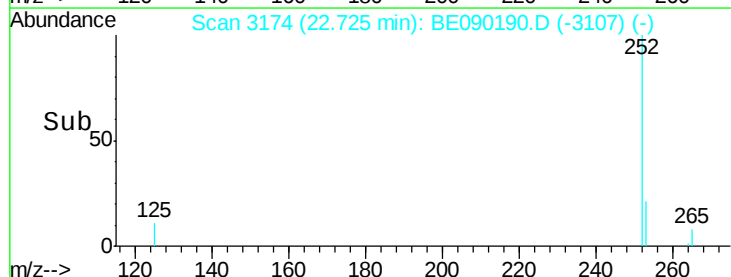
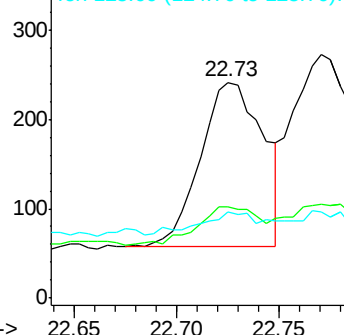
252 100

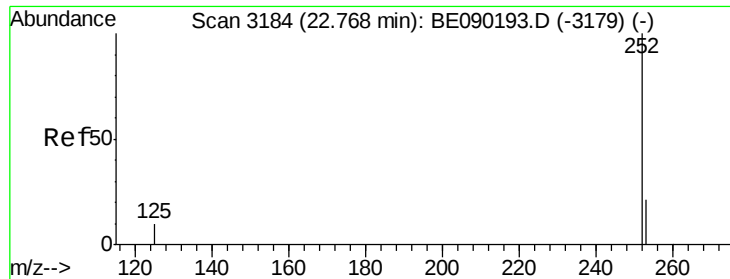
253 42.3 0.0 46.8

125 39.8 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: 0.04 ng/ul m

RT: 22.77 min Scan# 3184

Delta R.T. 0.00 min

Lab File: BE090190.D

Acq: 21 Jul 2015 00:22

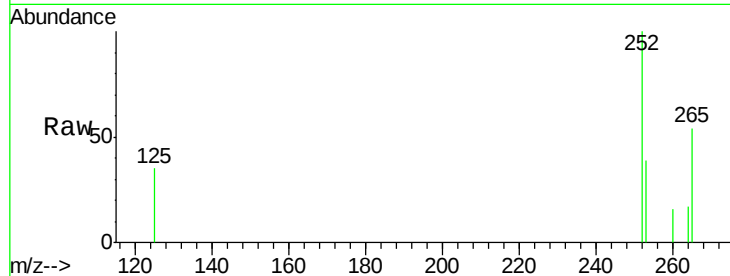
Tgt Ion:252 Resp: 748

Ion Ratio Lower Upper

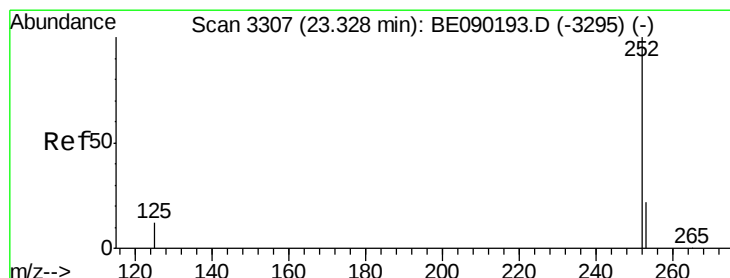
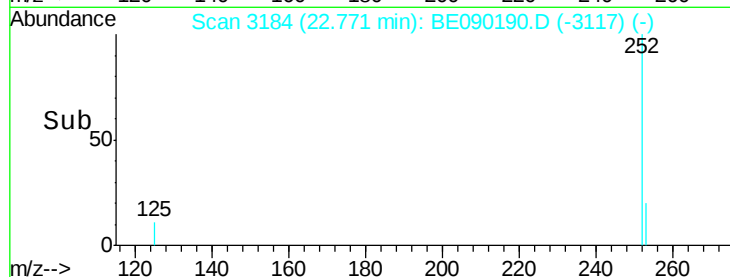
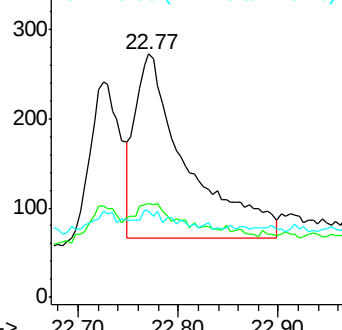
252 100

253 38.6 18.3 27.5#

125 35.3 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: BE090190.D

Acq: 21 Jul 2015 00:22

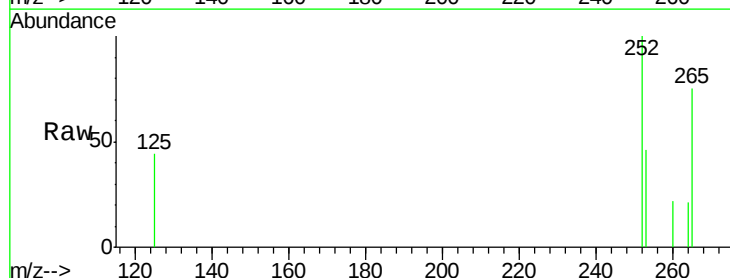
Tgt Ion:252 Resp: 461

Ion Ratio Lower Upper

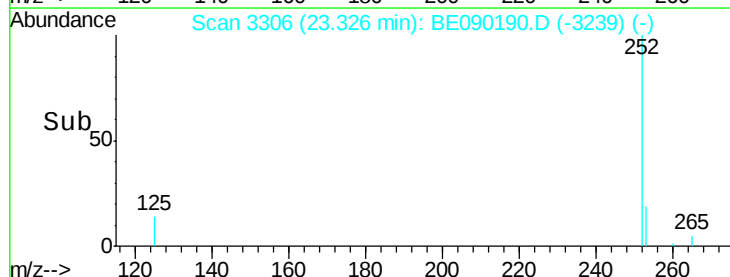
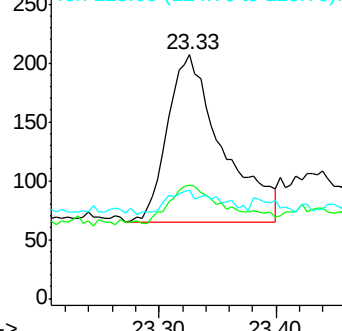
252 100

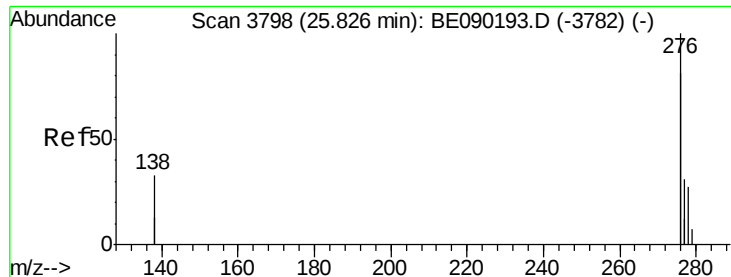
253 46.4 18.4 27.6#

125 44.4 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

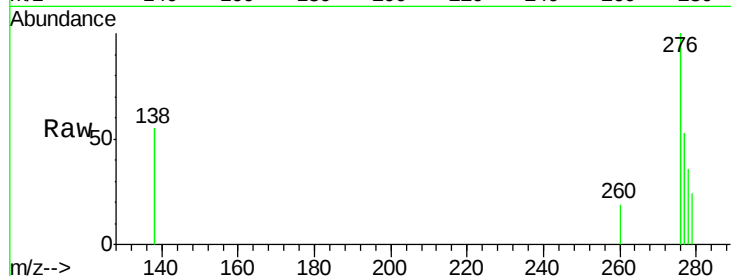




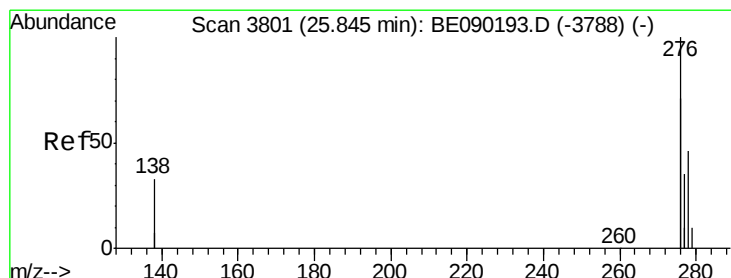
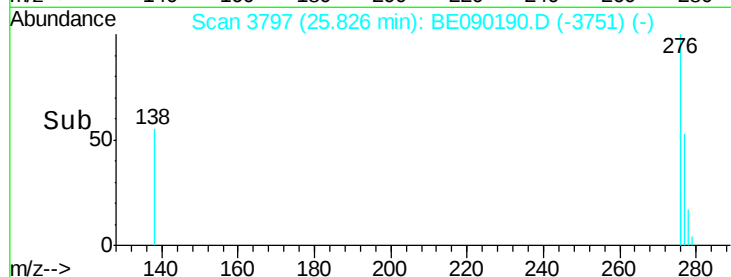
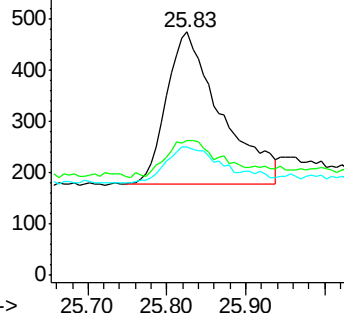
#24

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: BE090190.D
Acq: 21 Jul 2015 00:22

Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.8	19.8	29.8
277	22.9	19.8	29.6



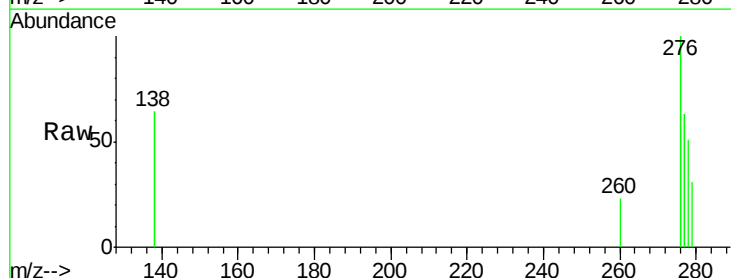
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



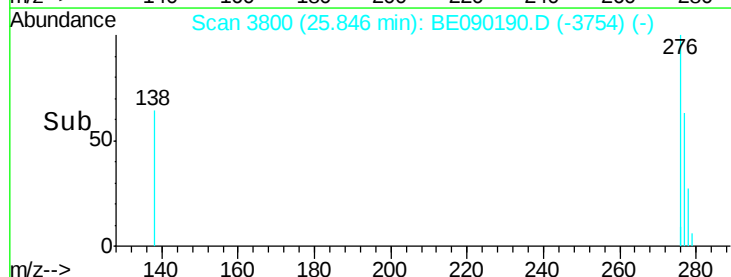
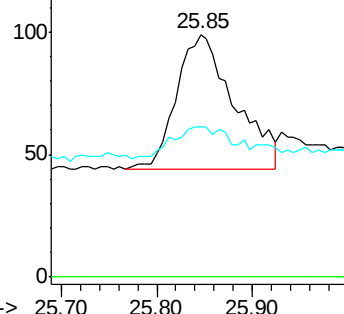
#25

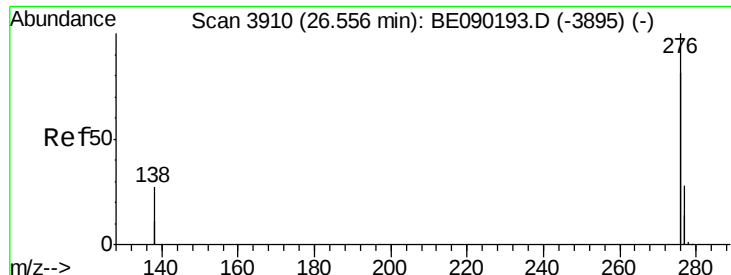
Dibenzo(a,h)anthracene
Concen: 0.02 ng/ul
RT: 25.85 min Scan# 3800
Delta R.T. 0.00 min
Lab File: BE090190.D
Acq: 21 Jul 2015 00:22

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	0.0	0.0
279	61.6	20.0	30.0



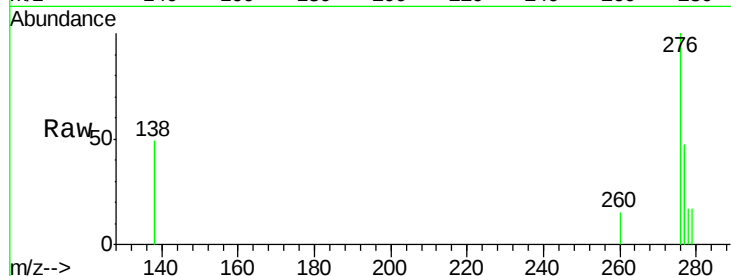
Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#26
 Benzo(g,h,i)perylene
 Concen: 0.03 ng/ul
 RT: 26.56 min Scan# 3910
 Delta R.T. 0.01 min
 Lab File: BE090190.D
 Acq: 21 Jul 2015 00:22

Tgt Ion: 276 Resp: 1860
 Ion Ratio Lower Upper
 276 100
 277 47.2 20.6 31.0#
 138 48.6 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

