

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE072115\
 Data File : BE090192.D
 Acq On : 21 Jul 2015 1:33
 Operator : TP/IZ
 Sample : MDL-07-W
 Misc : MDL-WATER-SIM2.2-0.07PPM
 ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jul 21 05:57:31 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	831	0.40	ng/ul	0.00
2) Naphthalene-d8	10.37	136	3970	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.21	164	2381	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.95	188	6321	0.40	ng/ul	0.01
16) Chrysene-d12	21.12	240	5372	0.40	ng/ul	0.00
20) Perylene-d12	23.43	264	3684	0.40	ng/ul	0.00

System Monitoring Compounds

4) 2-Methylnaphthalene-d10	11.96	152	2317	0.37	ng/ul	0.00
14) Fluoranthene-d10	18.98	212	6829	0.36	ng/ul	0.00

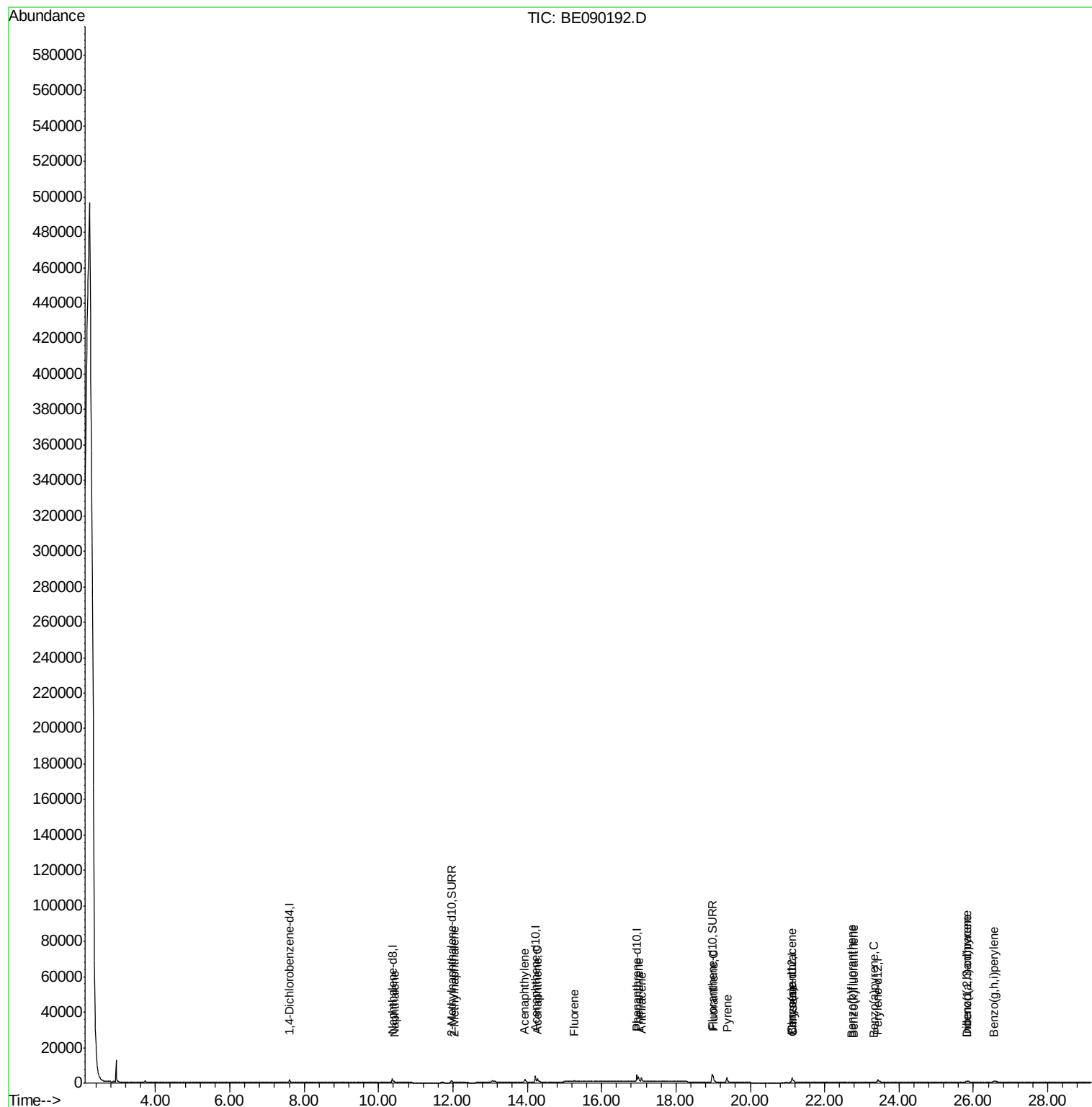
Target Compounds

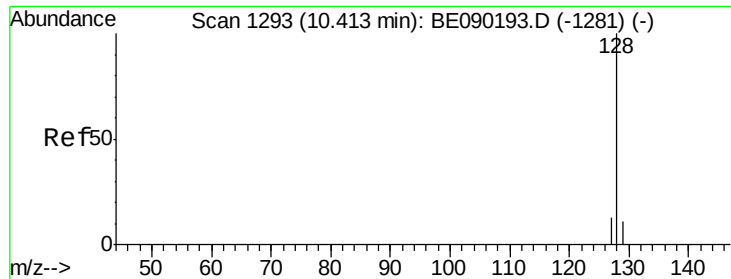
						Qvalue
3) Naphthalene	10.42	128	561	0.05	ng/ul#	70
5) 2-Methylnaphthalene	12.03	142	340	0.05	ng/ul	85
7) Acenaphthylene	13.93	152	2545	0.05	ng/ul#	83
8) Acenaphthene	14.28	153	1838	0.05	ng/ul	96
9) Fluorene	15.27	166	529	0.05	ng/ul#	95
12) Phenanthrene	16.99	178	3630	0.05	ng/ul#	87
13) Anthracene	17.07	178	3520	0.05	ng/ul#	80
15) Fluoranthene	19.00	202	4394	0.05	ng/ul	86
17) Pyrene	19.37	202	4352	0.06	ng/ul#	87
18) Benzo(a)anthracene	21.10	228	433	0.03	ng/ul#	79
19) Chrysene	21.15	228	1119m	0.07	ng/ul	
21) Benzo(b)fluoranthene	22.73	252	252	0.02	ng/ul#	32
22) Benzo(k)fluoranthene	22.77	252	515m	0.04	ng/ul	
23) Benzo(a)pyrene	23.32	252	306	0.03	ng/ul#	32
24) Indeno(1,2,3-cd)pyrene	25.83	276	904	0.02	ng/ul#	76
25) Dibenzo(a,h)anthracene	25.85	278	160	0.02	ng/ul#	15
26) Benzo(g,h,i)perylene	26.56	276	1285	0.03	ng/ul#	39

(#) = 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# 1295

Delta R.T. 0.01 min

Lab File: BE090192.D

Acq: 21 Jul 2015 1:33

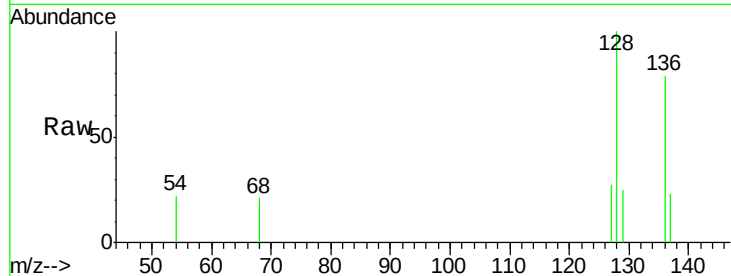
Tgt Ion:128 Resp: 561

Ion Ratio Lower Upper

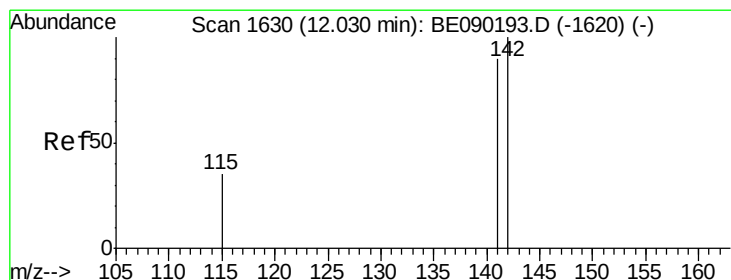
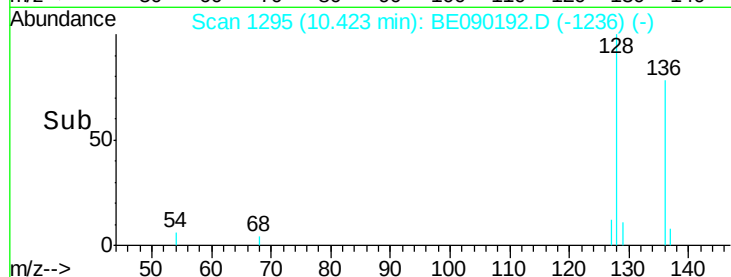
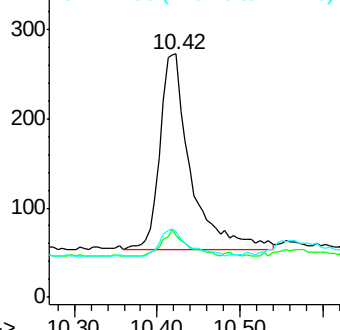
128 100

129 25.4 10.2 15.4#

127 26.8 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: BE090192.D

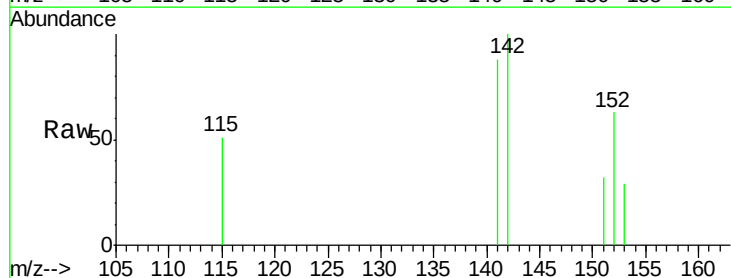
Acq: 21 Jul 2015 1:33

Tgt Ion:142 Resp: 340

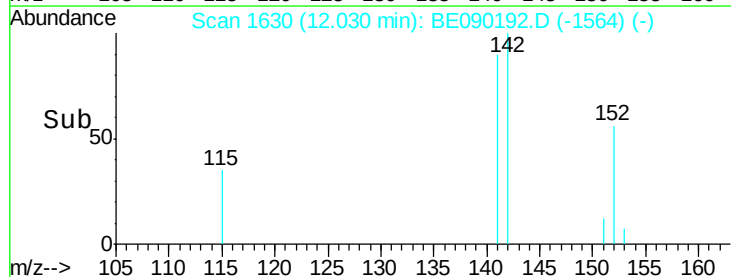
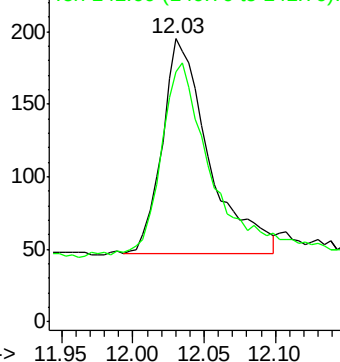
Ion Ratio Lower Upper

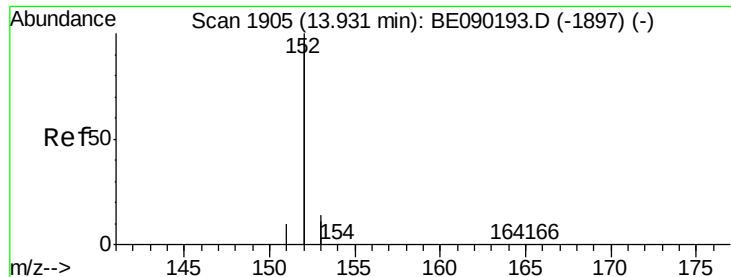
142 100

141 105.9 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: BE090192.D

Acq: 21 Jul 2015 1:33

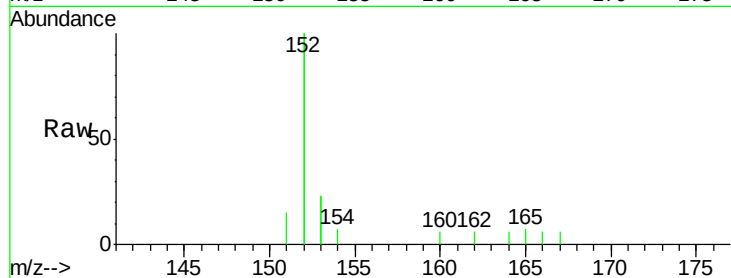
Tgt Ion:152 Resp: 2545

Ion Ratio Lower Upper

152 100

151 7.7 4.2 6.4#

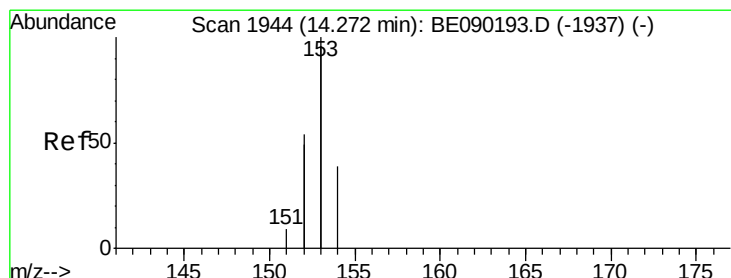
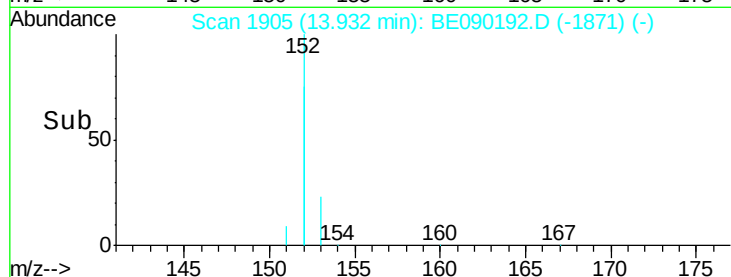
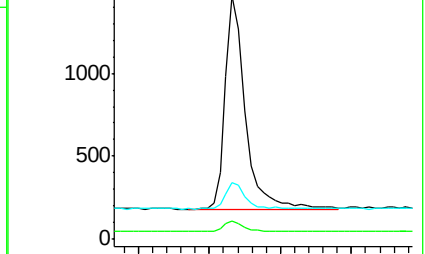
153 23.5 11.9 17.9#



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: 14.28 min Scan# 1945

Delta R.T. 0.01 min

Lab File: BE090192.D

Acq: 21 Jul 2015 1:33

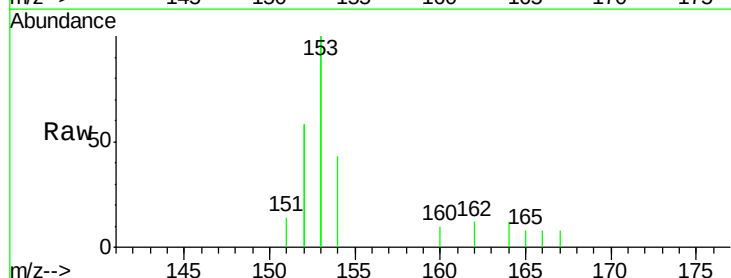
Tgt Ion:153 Resp: 1838

Ion Ratio Lower Upper

153 100

152 58.2 43.8 65.8

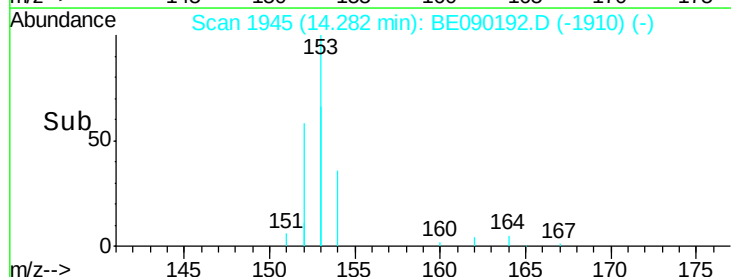
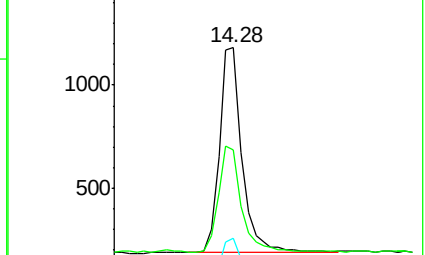
154 21.7 16.8 25.2

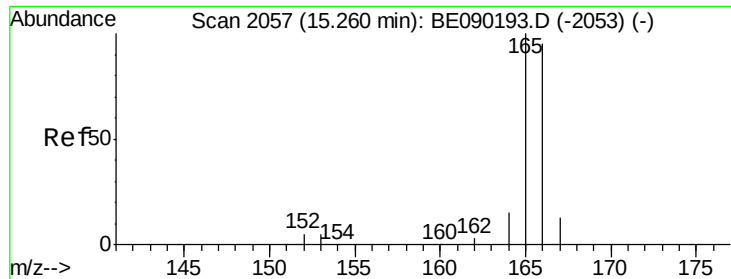


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

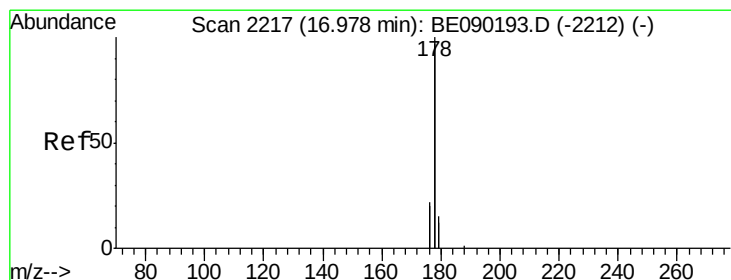
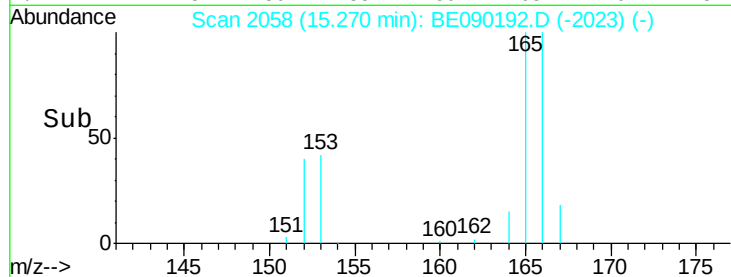
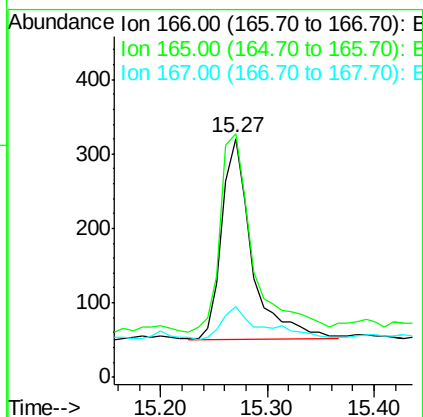
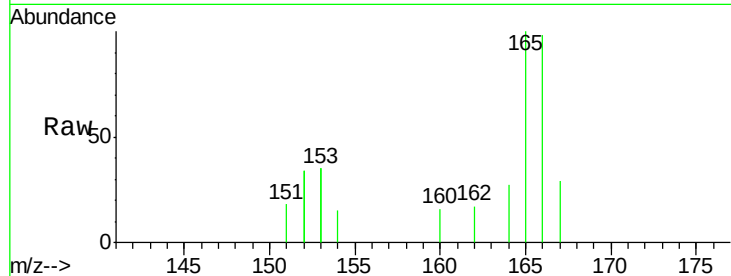
Ion 154.00 (153.70 to 154.70): E





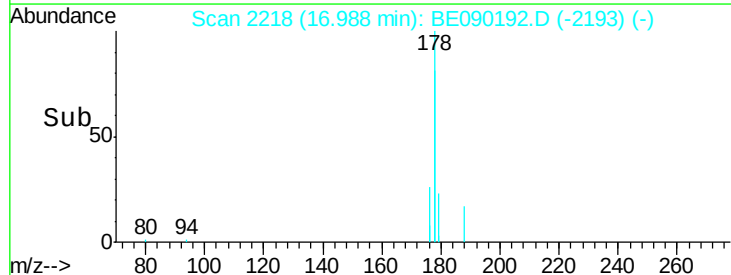
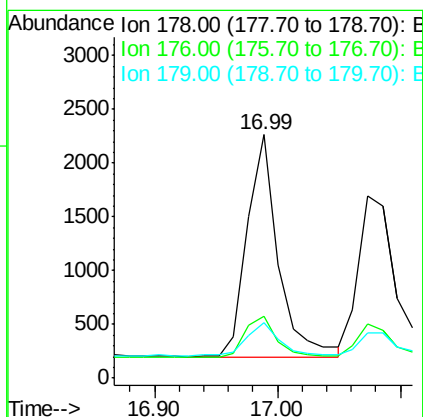
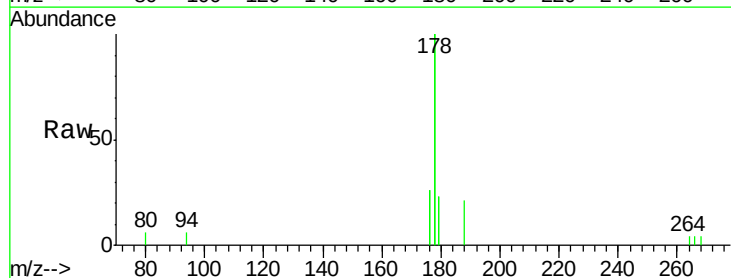
#9
Fluorene
 Concen: 0.05 ng/ul
 RT: 15.27 min Scan# 2058
 Delta R.T. 0.01 min
 Lab File: BE090192.D
 Acq: 21 Jul 2015 1:33

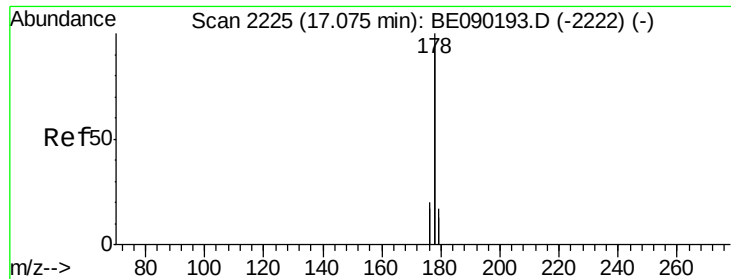
Tgt Ion:166 Resp: 529
 Ion Ratio Lower Upper
 166 100
 165 101.9 81.2 121.8
 167 29.6 12.6 19.0#



#12
Phenanthrene
 Concen: 0.05 ng/ul
 RT: 16.99 min Scan# 2218
 Delta R.T. -0.00 min
 Lab File: BE090192.D
 Acq: 21 Jul 2015 1:33

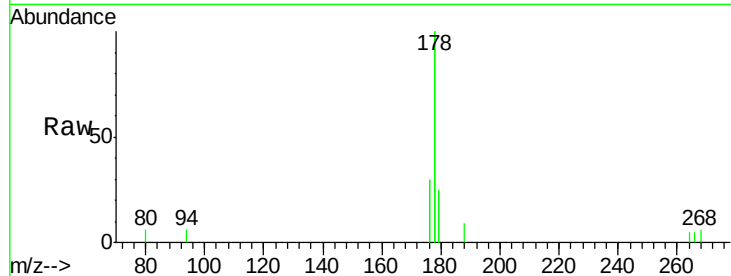
Tgt Ion:178 Resp: 3630
 Ion Ratio Lower Upper
 178 100
 176 25.5 15.3 22.9#
 179 22.6 14.0 21.0#



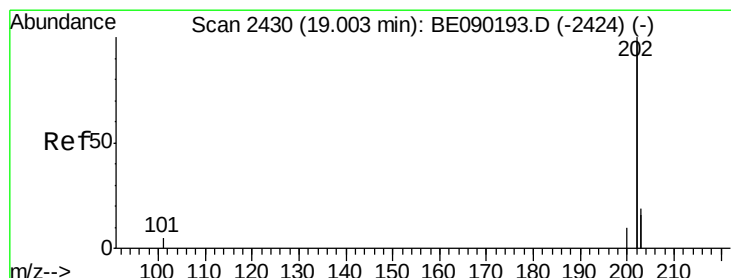
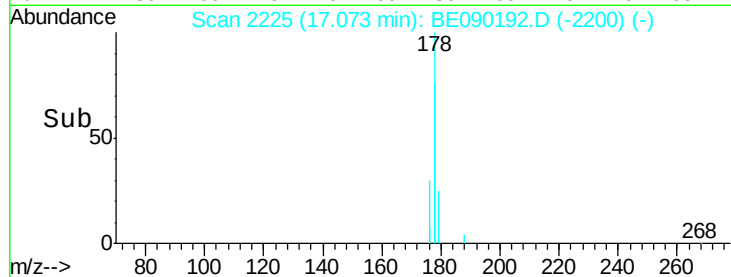
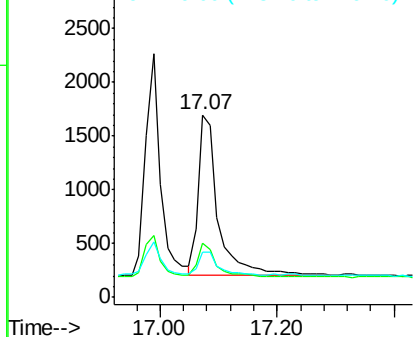


#13
 Anthracene
 Concen: 0.05 ng/ul
 RT: 17.07 min Scan# 2225
 Delta R.T. -0.00 min
 Lab File: BE090192.D
 Acq: 21 Jul 2015 1:33

Tgt Ion:178 Resp: 3520
 Ion Ratio Lower Upper
 178 100
 176 29.6 16.0 24.0#
 179 24.7 13.4 20.0#

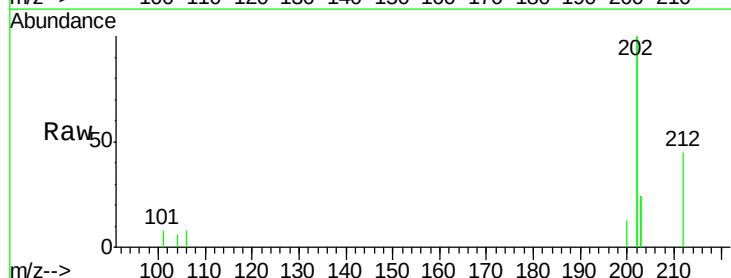


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

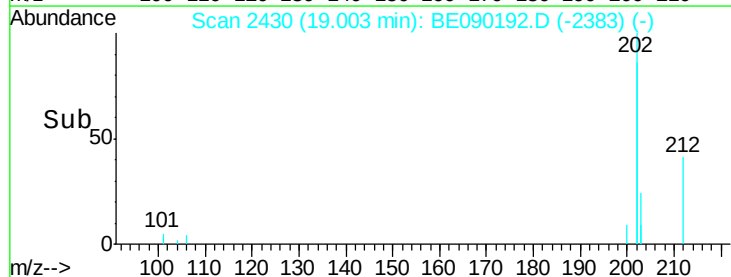
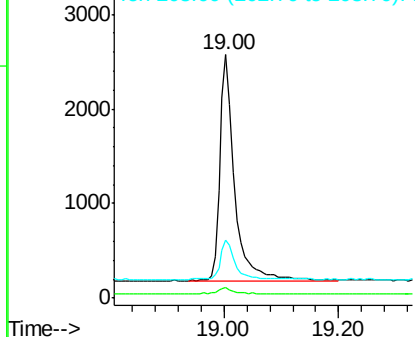


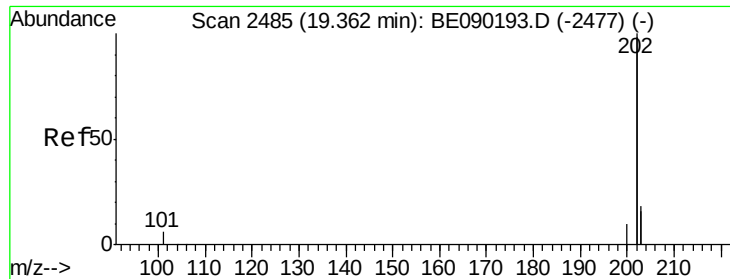
#15
 Fluoranthene
 Concen: 0.05 ng/ul
 RT: 19.00 min Scan# 2430
 Delta R.T. 0.01 min
 Lab File: BE090192.D
 Acq: 21 Jul 2015 1:33

Tgt Ion:202 Resp: 4394
 Ion Ratio Lower Upper
 202 100
 101 4.2 0.0 23.0
 203 24.1 0.0 37.0



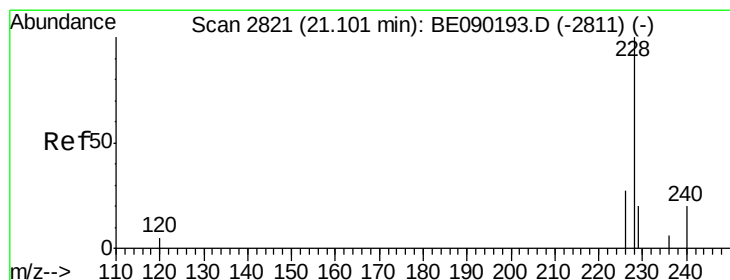
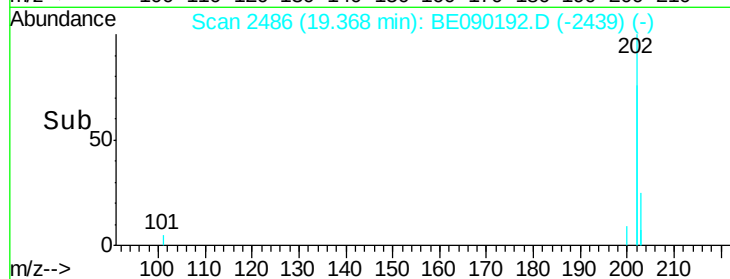
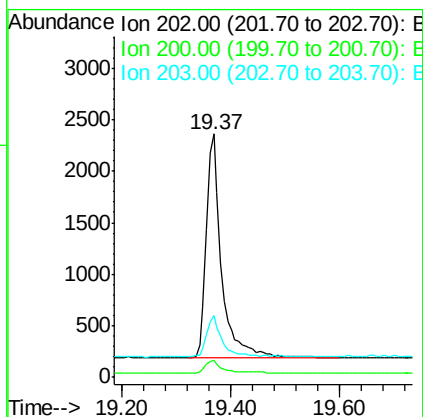
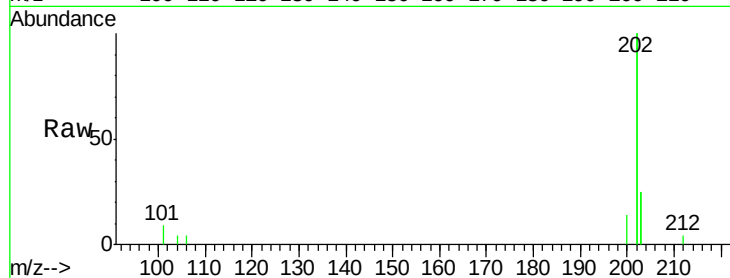
Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E





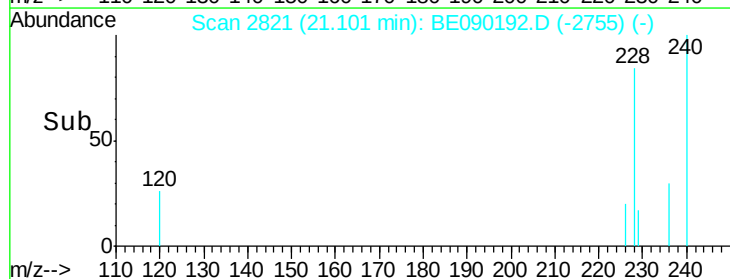
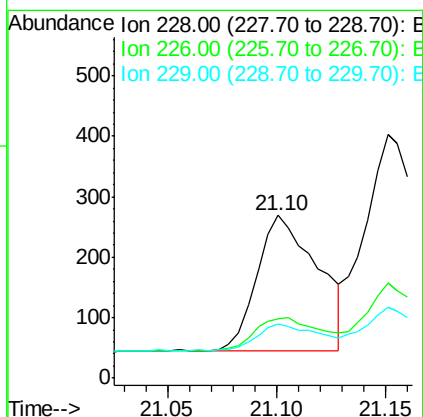
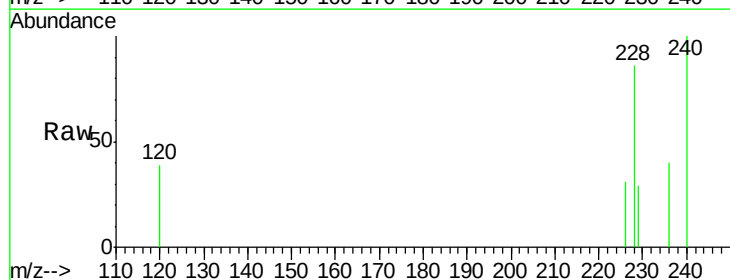
#17
 Pyrene
 Concen: 0.06 ng/ul
 RT: 19.37 min Scan# 2486
 Delta R.T. 0.01 min
 Lab File: BE090192.D
 Acq: 21 Jul 2015 1:33

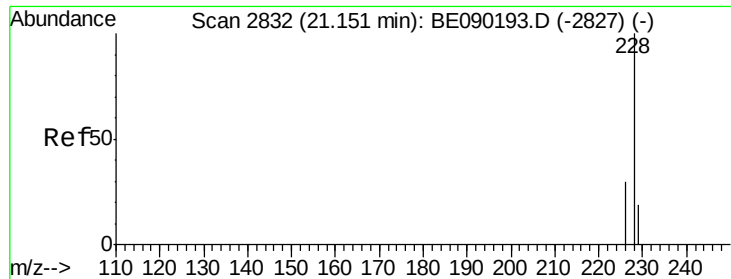
Tgt Ion: 202 Resp: 4352
 Ion Ratio Lower Upper
 202 100
 200 6.8 4.3 6.5#
 203 25.1 14.6 21.8#



#18
 Benzo(a)anthracene
 Concen: 0.03 ng/ul
 RT: 21.10 min Scan# 2821
 Delta R.T. 0.00 min
 Lab File: BE090192.D
 Acq: 21 Jul 2015 1:33

Tgt Ion: 228 Resp: 433
 Ion Ratio Lower Upper
 228 100
 226 36.4 22.2 33.4#
 229 33.5 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: BE090192.D

Acq: 21 Jul 2015 1:33

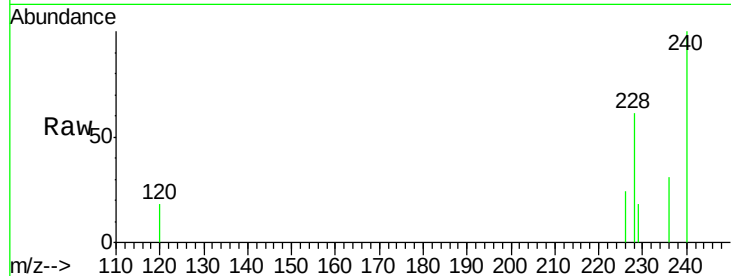
Tgt Ion: 228 Resp: 1119

Ion Ratio Lower Upper

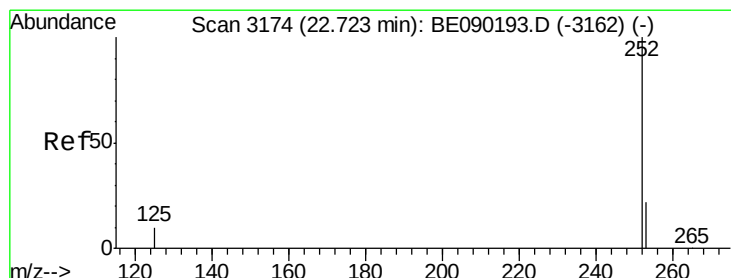
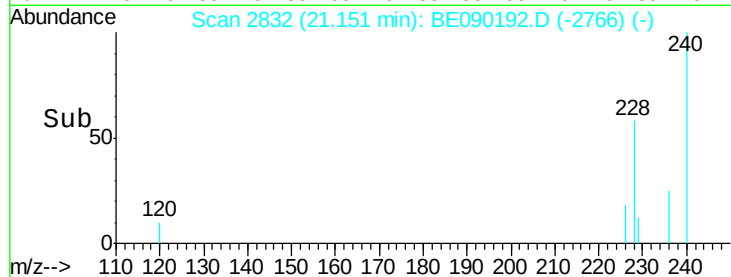
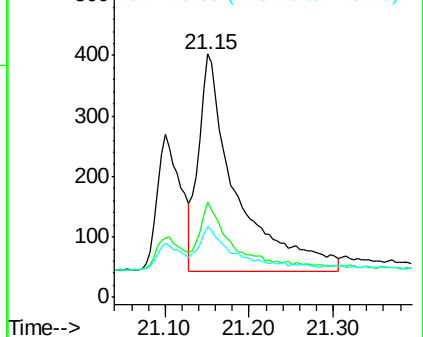
228 100

226 39.0 24.3 36.5#

229 29.0 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: 0.02 ng/ul

RT: 22.73 min Scan# 3174

Delta R.T. 0.00 min

Lab File: BE090192.D

Acq: 21 Jul 2015 1:33

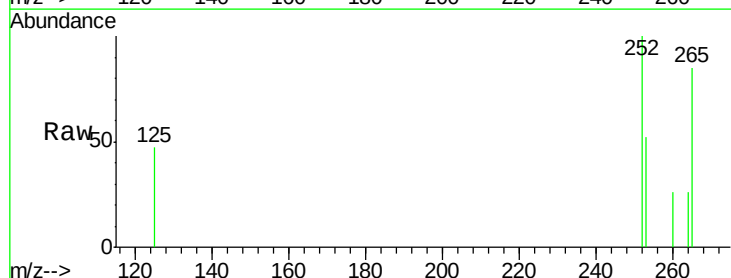
Tgt Ion: 252 Resp: 252

Ion Ratio Lower Upper

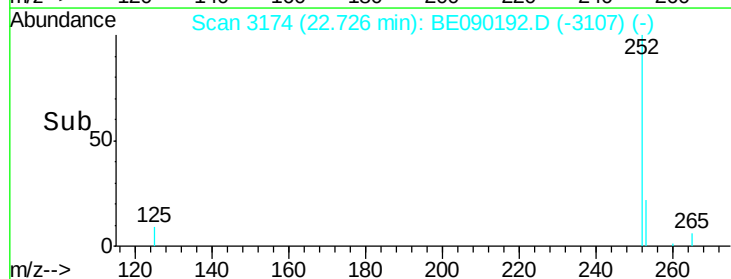
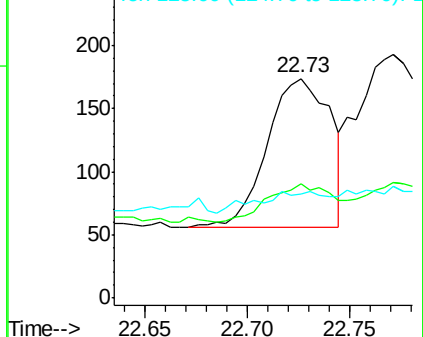
252 100

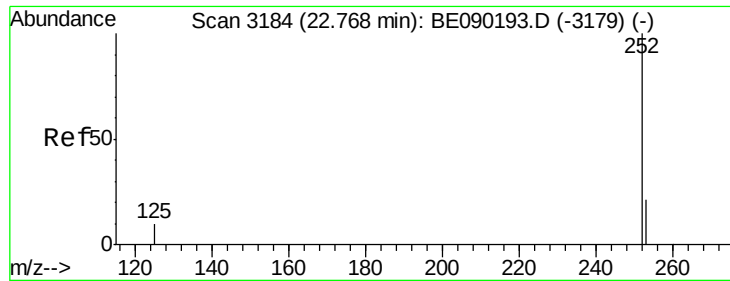
253 51.7 0.0 46.8#

125 47.1 0.0 25.4#



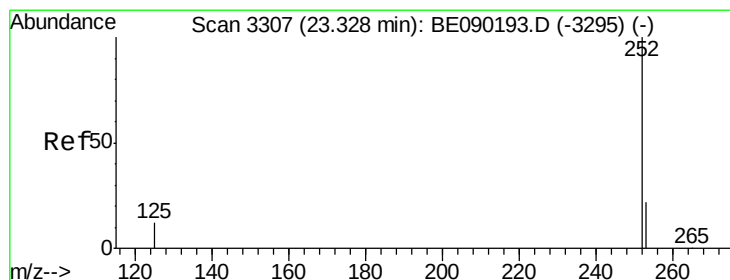
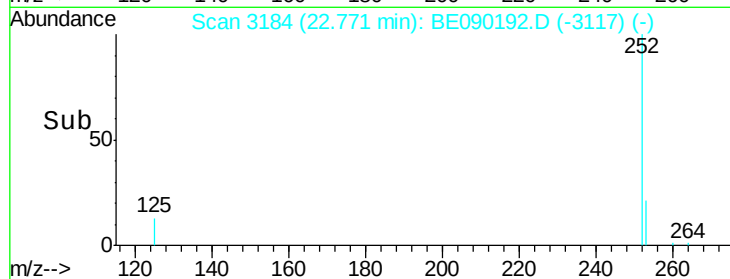
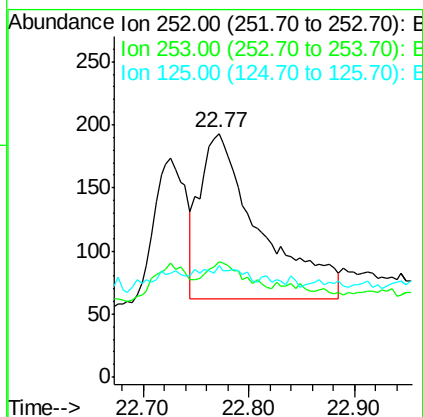
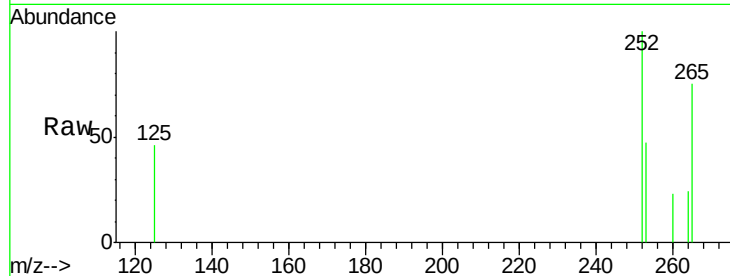
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





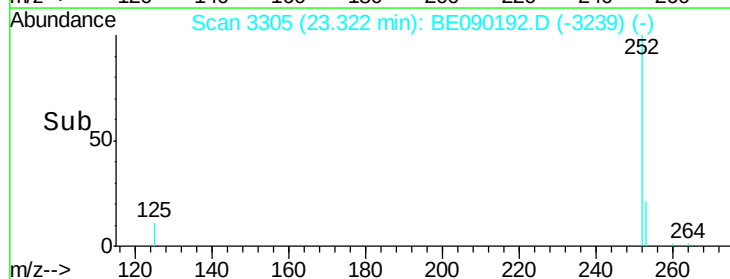
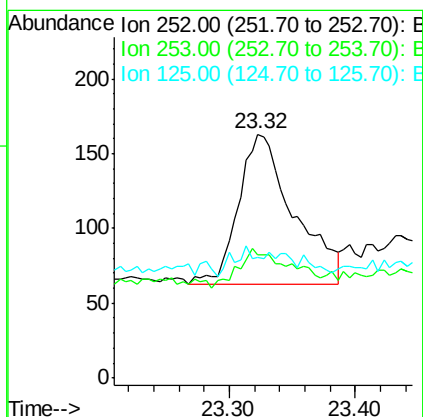
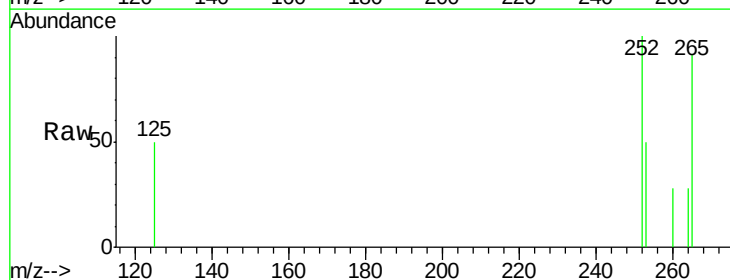
#22
Benzo(k)fluoranthene
Concen: 0.04 ng/ul m
RT: 22.77 min Scan# 3184
Delta R.T. 0.00 min
Lab File: BE090192.D
Acq: 21 Jul 2015 1:33

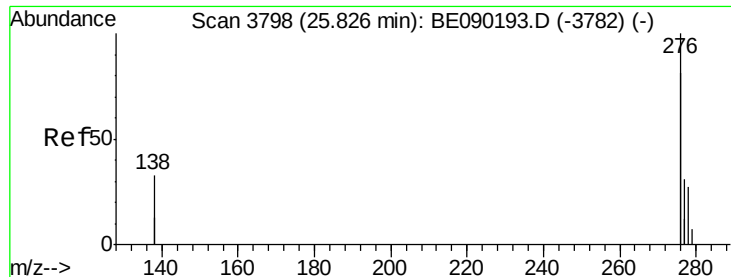
Tgt Ion: 252 Resp: 515
Ion Ratio Lower Upper
252 100
253 47.2 18.3 27.5#
125 45.6 9.8 14.8#



#23
Benzo(a)pyrene
Concen: 0.03 ng/ul
RT: 23.32 min Scan# 3305
Delta R.T. -0.00 min
Lab File: BE090192.D
Acq: 21 Jul 2015 1:33

Tgt Ion: 252 Resp: 306
Ion Ratio Lower Upper
252 100
253 50.3 18.4 27.6#
125 49.7 11.5 17.3#

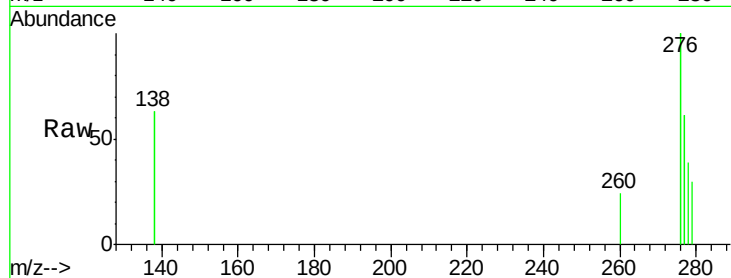




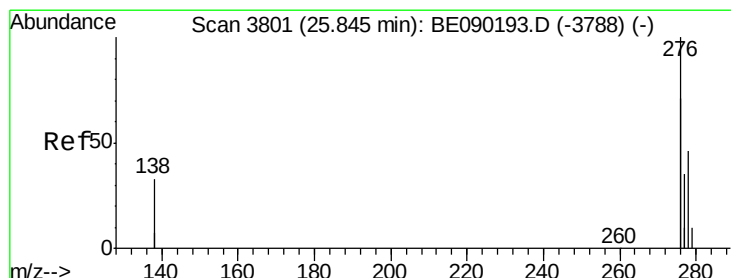
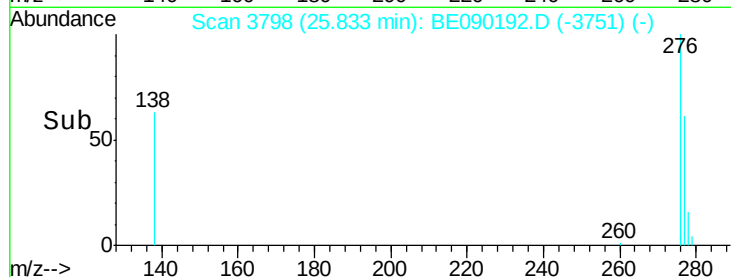
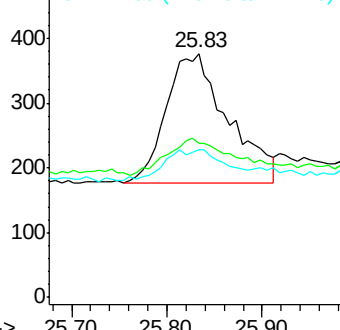
#24

Indeno(1,2,3-cd)pyrene
Concen: 0.02 ng/ul
RT: 25.83 min Scan# 3798
Delta R.T. 0.01 min
Lab File: BE090192.D
Acq: 21 Jul 2015 1:33

Tgt Ion: 276 Resp: 904
Ion Ratio Lower Upper
276 100
138 33.6 19.8 29.8#
277 9.4 19.8 29.6#



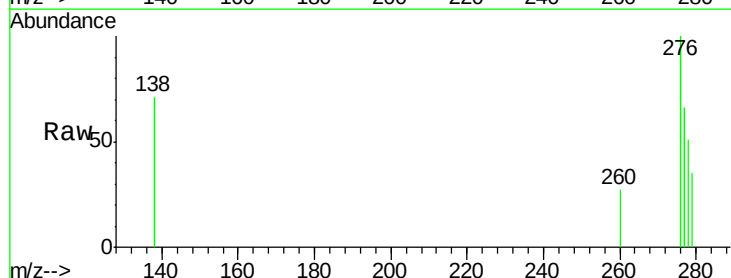
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



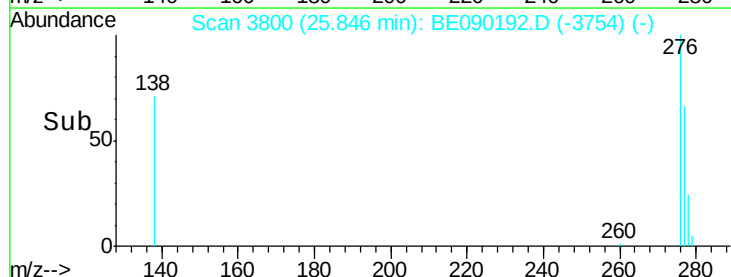
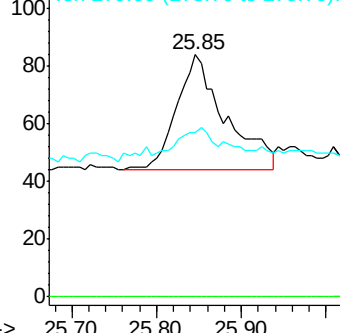
#25

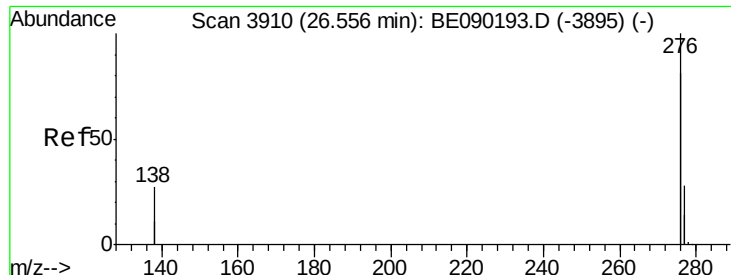
Dibenzo(a,h)anthracene
Concen: 0.02 ng/ul
RT: 25.85 min Scan# 3800
Delta R.T. 0.00 min
Lab File: BE090192.D
Acq: 21 Jul 2015 1:33

Tgt Ion: 278 Resp: 160
Ion Ratio Lower Upper
278 100
139 0.0 0.0 0.0
279 67.9 20.0 30.0#



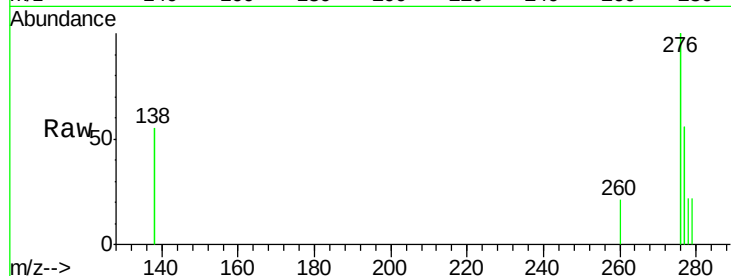
Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#26
 Benzo(g,h,i)perylene
 Concen: 0.03 ng/ul
 RT: 26.56 min Scan# 3909
 Delta R.T. 0.00 min
 Lab File: BE090192.D
 Acq: 21 Jul 2015 1:33

Tgt Ion: 276 Resp: 1285
 Ion Ratio Lower Upper
 276 100
 277 56.1 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

