

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE072115\
 Data File : BE090193.D
 Acq On : 21 Jul 2015 2:12
 Operator : TP/IZ
 Sample : SSTDCCC0.4
 Misc : MDL-WATER-SIM2.2-0.07PPM
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 21 06:08:49 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	861	0.40	ng/ul	0.00
2) Naphthalene-d8	10.37	136	4144	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.22	164	2353	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.94	188	6258	0.40	ng/ul	0.00
16) Chrysene-d12	21.12	240	5923	0.40	ng/ul	0.00
20) Perylene-d12	23.43	264	4524	0.40	ng/ul	0.00

System Monitoring Compounds

4) 2-Methylnaphthalene-d10	11.96	152	2583	0.39	ng/ul	0.00
14) Fluoranthene-d10	18.97	212	7357	0.39	ng/ul	0.00

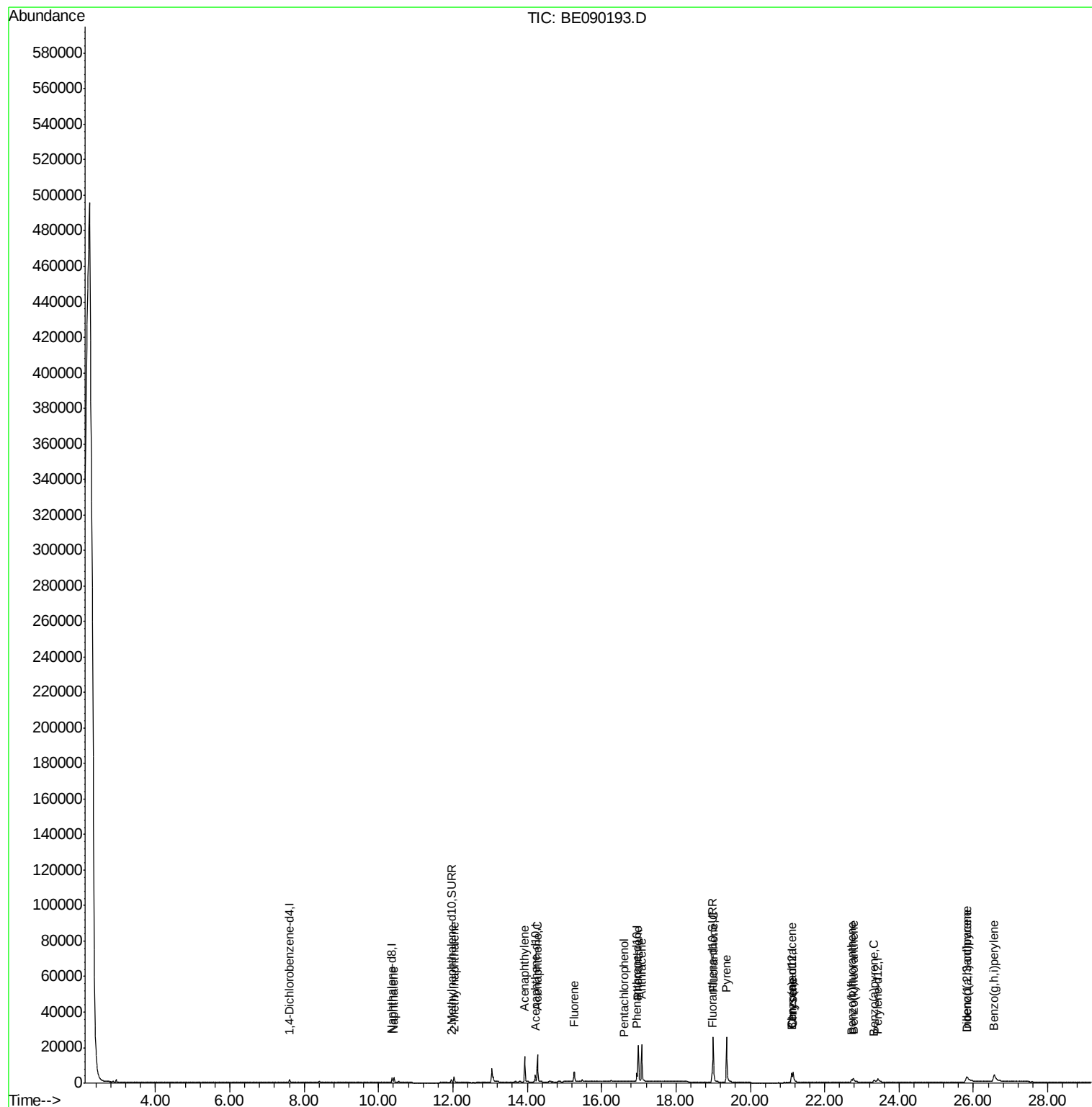
Target Compounds

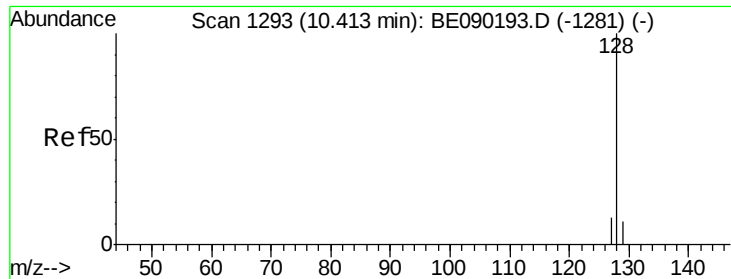
						Qvalue
3) Naphthalene	10.41	128	4327	0.40	ng/ul	100
5) 2-Methylnaphthalene	12.03	142	2861	0.39	ng/ul	99
7) Acenaphthylene	13.93	152	19683	0.40	ng/ul	98
8) Acenaphthene	14.27	153	13980	0.39	ng/ul	99
9) Fluorene	15.26	166	4058	0.39	ng/ul	96
11) Pentachlorophenol	16.61	266	161	0.25	ng/ul	98
12) Phenanthrene	16.98	178	27784	0.38	ng/ul	94
13) Anthracene	17.07	178	27060	0.39	ng/ul	100
15) Fluoranthene	19.00	202	32701	0.38	ng/ul	97
17) Pyrene	19.36	202	33824	0.45	ng/ul	99
18) Benzo(a)anthracene	21.10	228	4137	0.27	ng/ul	98
19) Chrysene	21.15	228	8768	0.48	ng/ul	99
21) Benzo(b)fluoranthene	22.72	252	2452	0.19	ng/ul	93
22) Benzo(k)fluoranthene	22.77	252	7478m	0.45	ng/ul	
23) Benzo(a)pyrene	23.33	252	3263	0.25	ng/ul#	91
24) Indeno(1,2,3-cd)pyrene	25.83	276	12465	0.20	ng/ul	92
25) Dibenzo(a,h)anthracene	25.85	278	2042	0.17	ng/ul#	85
26) Benzo(g,h,i)perylene	26.56	276	16679	0.30	ng/ul	95

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

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#3

Naphthalene

Concen: 0.40 ng/ul

RT: 10.41 min Scan# 1293

Delta R.T. 0.00 min

Lab File: BE090193.D

Acq: 21 Jul 2015 2:12

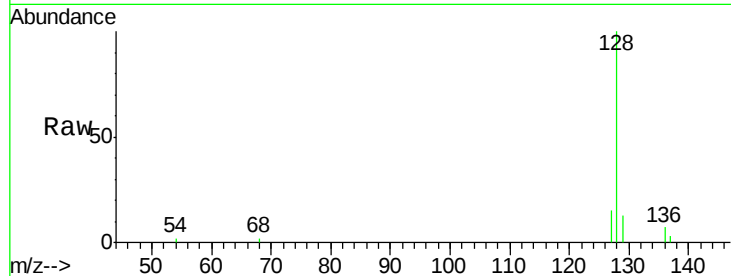
Tgt Ion:128 Resp: 4327

Ion Ratio Lower Upper

128 100

129 12.7 10.2 15.4

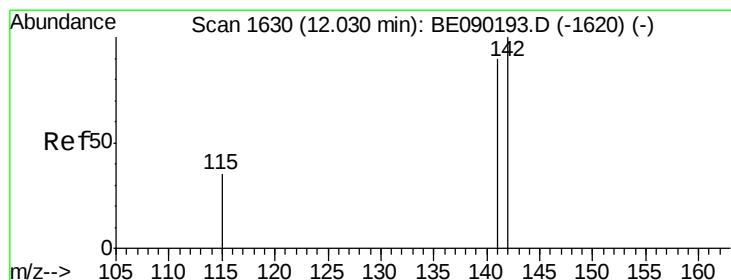
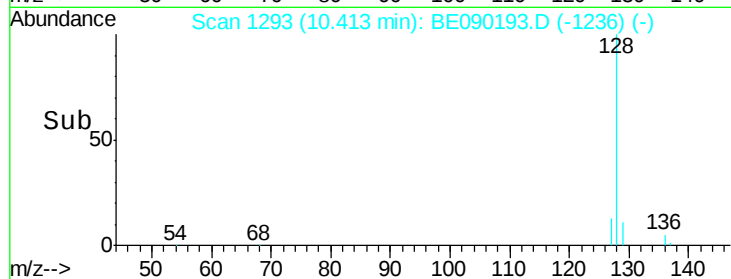
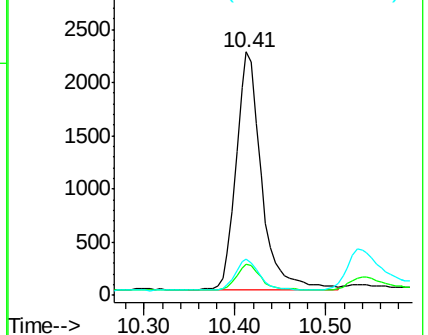
127 14.9 11.9 17.9



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: 0.39 ng/ul

RT: 12.03 min Scan# 1630

Delta R.T. 0.00 min

Lab File: BE090193.D

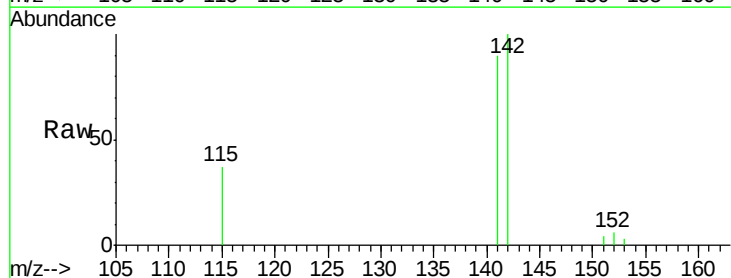
Acq: 21 Jul 2015 2:12

Tgt Ion:142 Resp: 2861

Ion Ratio Lower Upper

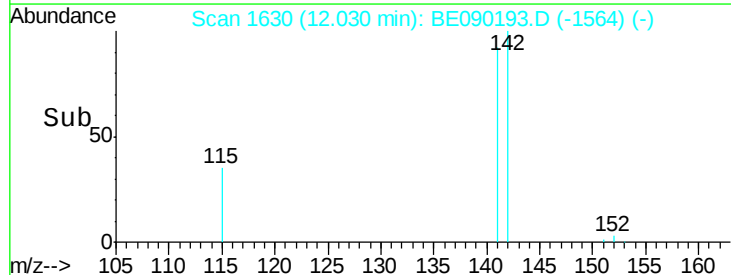
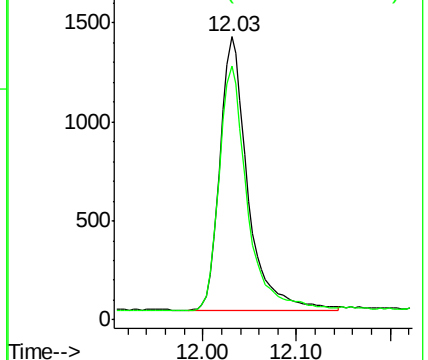
142 100

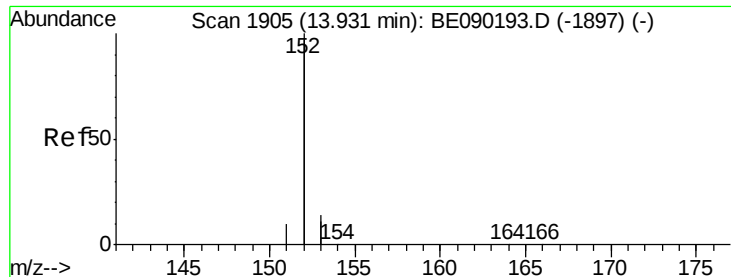
141 91.3 73.4 110.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.40 ng/ul

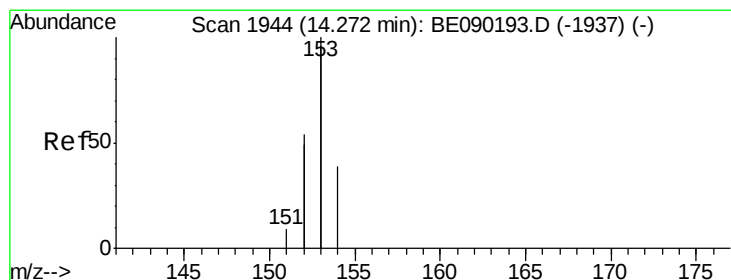
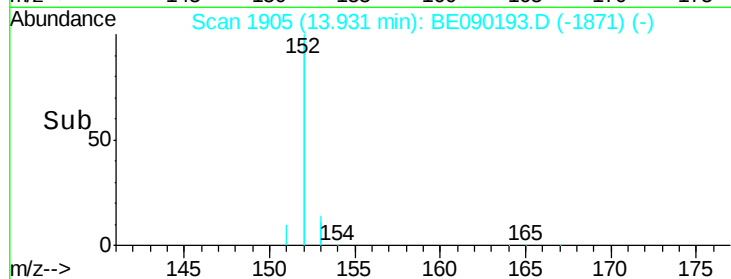
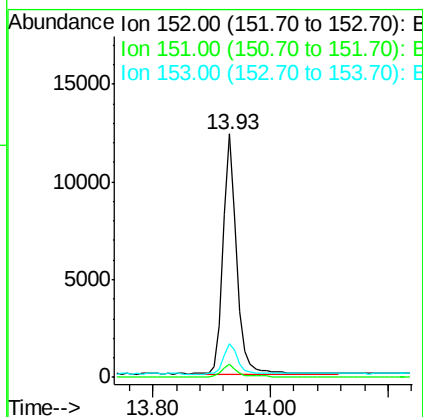
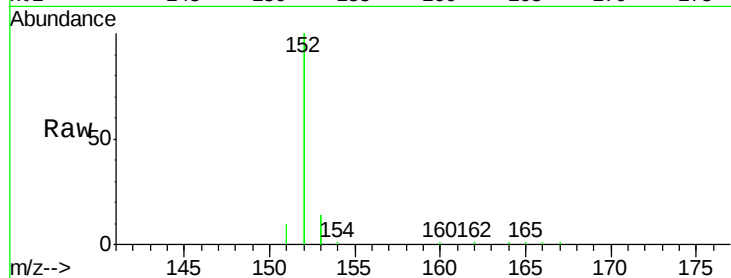
RT: 13.93 min Scan# 1905

Delta R.T. -0.00 min

Lab File: BE090193.D

Acq: 21 Jul 2015 2:12

Tgt Ion:	152	Resp:	19683
Ion	Ratio	Lower	Upper
152	100		
151	5.2	4.2	6.4
153	14.0	11.9	17.9



#8

Acenaphthene

Concen: 0.39 ng/ul

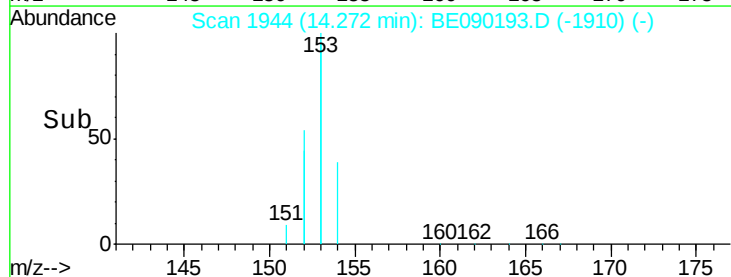
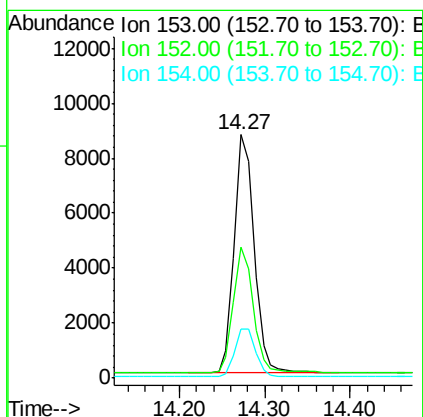
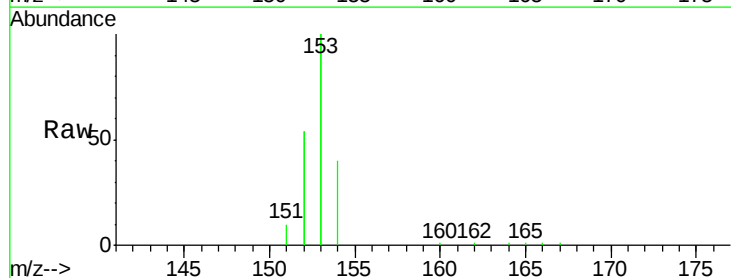
RT: 14.27 min Scan# 1944

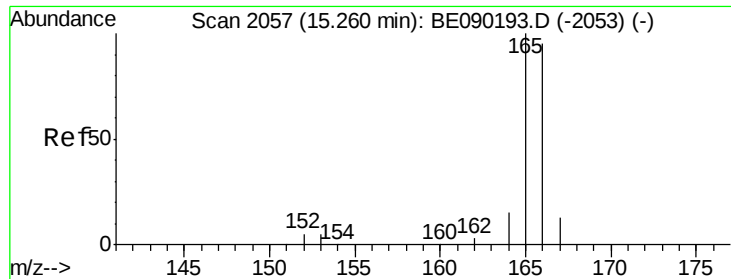
Delta R.T. -0.00 min

Lab File: BE090193.D

Acq: 21 Jul 2015 2:12

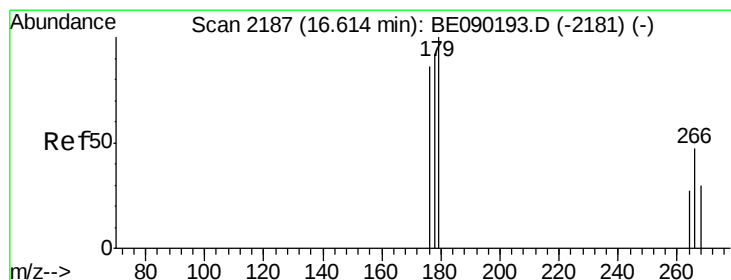
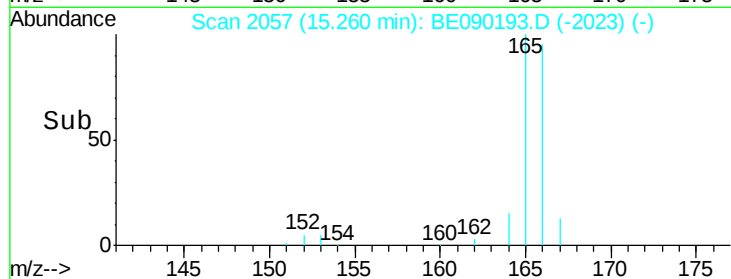
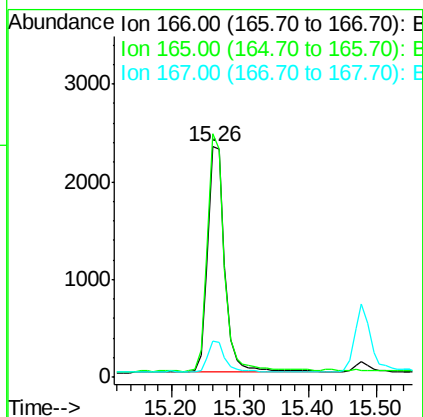
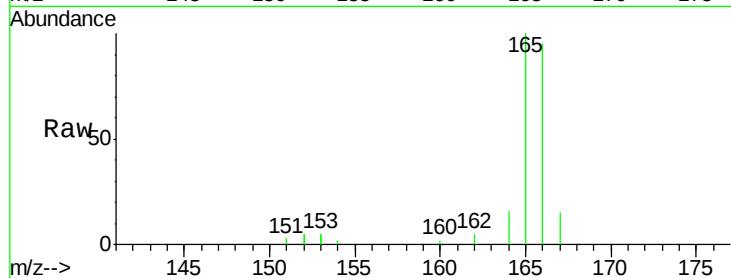
Tgt Ion:	153	Resp:	13980
Ion	Ratio	Lower	Upper
153	100		
152	53.9	43.8	65.8
154	20.0	16.8	25.2





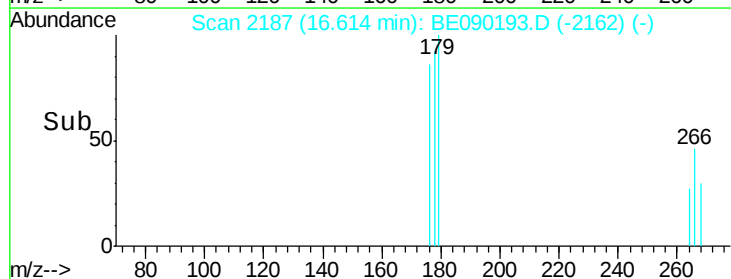
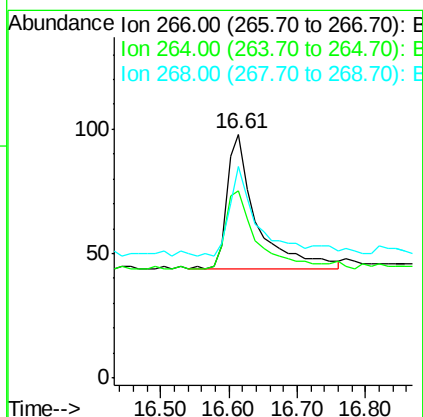
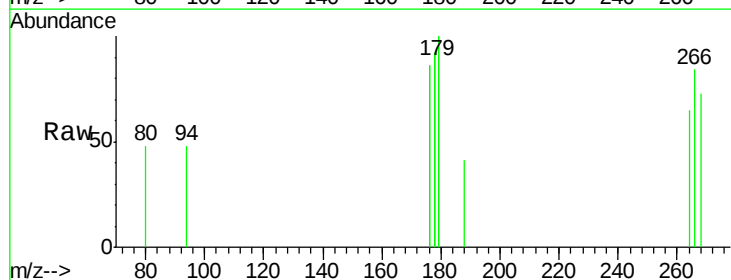
#9
Fluorene
 Concen: 0.39 ng/ul
 RT: 15.26 min Scan# 2057
 Delta R.T. -0.00 min
 Lab File: BE090193.D
 Acq: 21 Jul 2015 2:12

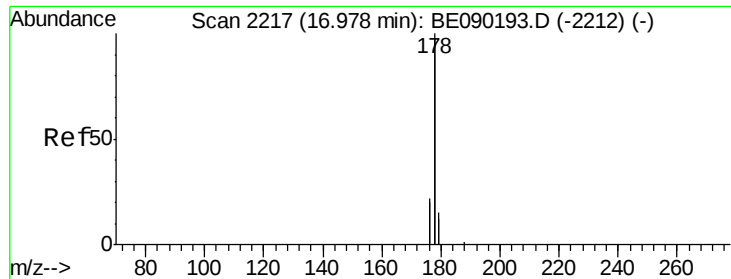
Tgt Ion:166 Resp: 4058
 Ion Ratio Lower Upper
 166 100
 165 105.8 81.2 121.8
 167 15.6 12.6 19.0



#11
Pentachlorophenol
 Concen: 0.25 ng/ul
 RT: 16.61 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: BE090193.D
 Acq: 21 Jul 2015 2:12

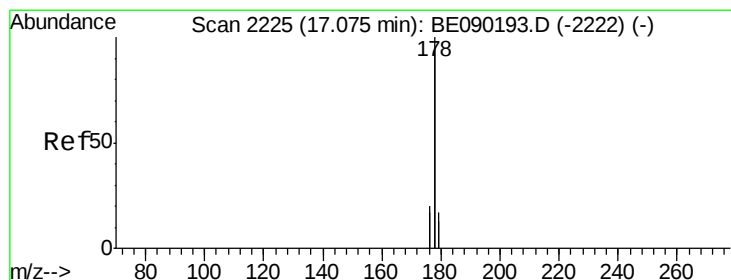
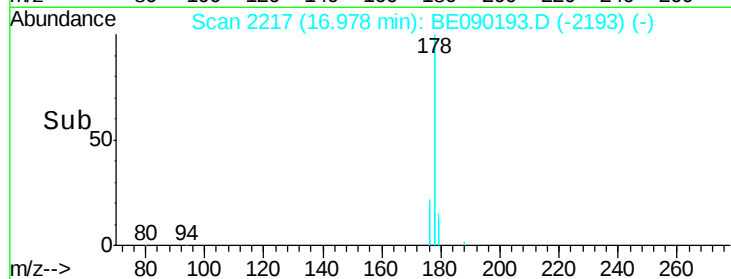
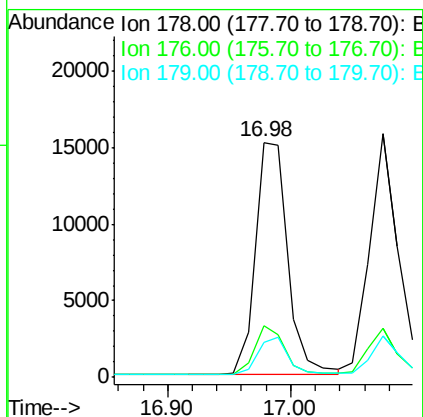
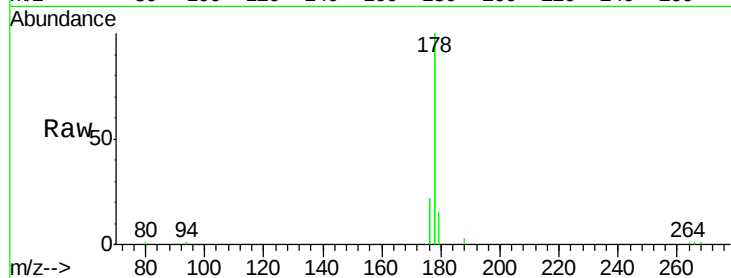
Tgt Ion:266 Resp: 161
 Ion Ratio Lower Upper
 266 100
 264 60.9 47.7 71.5
 268 60.9 47.0 70.6





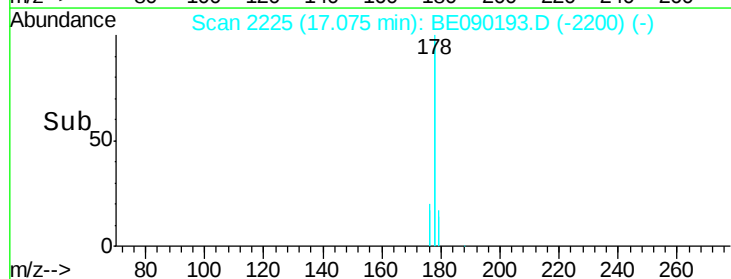
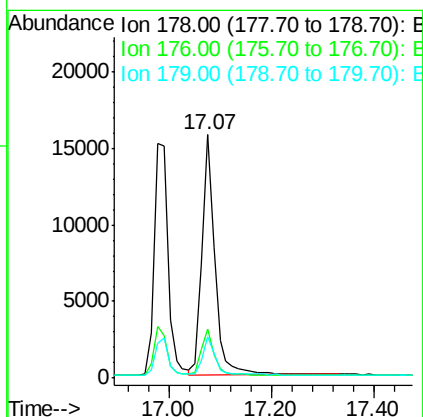
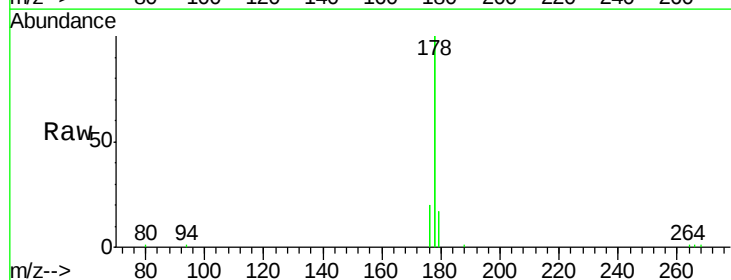
#12
Phenanthrene
Concen: 0.38 ng/ul
RT: 16.98 min Scan# 2217
Delta R.T. -0.01 min
Lab File: BE090193.D
Acq: 21 Jul 2015 2:12

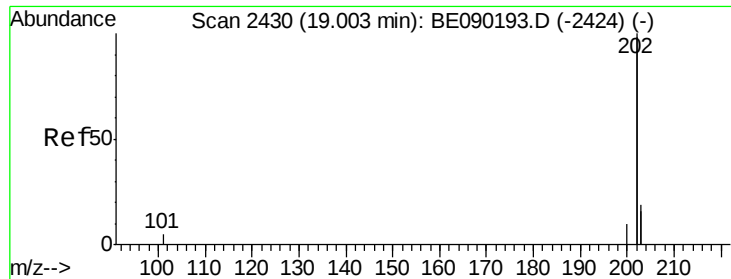
Tgt Ion:178 Resp: 27784
Ion Ratio Lower Upper
178 100
176 22.1 15.3 22.9
179 15.0 14.0 21.0



#13
Anthracene
Concen: 0.39 ng/ul
RT: 17.07 min Scan# 2225
Delta R.T. 0.00 min
Lab File: BE090193.D
Acq: 21 Jul 2015 2:12

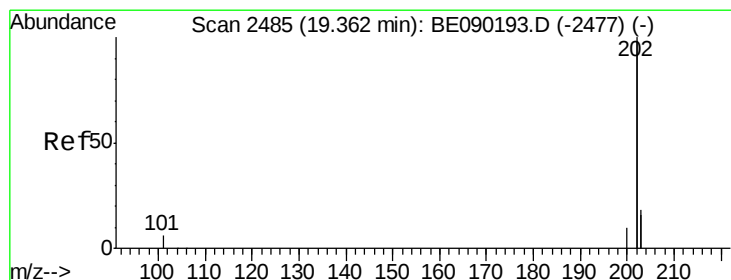
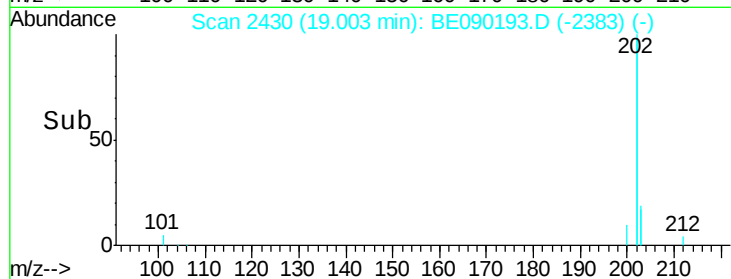
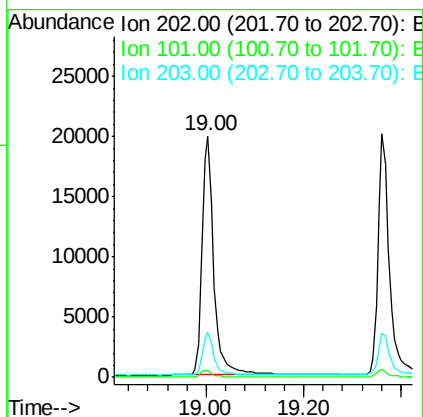
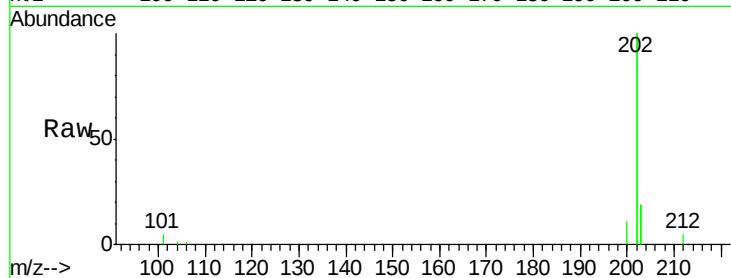
Tgt Ion:178 Resp: 27060
Ion Ratio Lower Upper
178 100
176 19.9 16.0 24.0
179 16.8 13.4 20.0





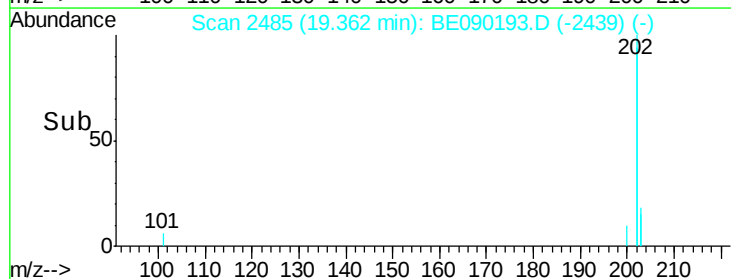
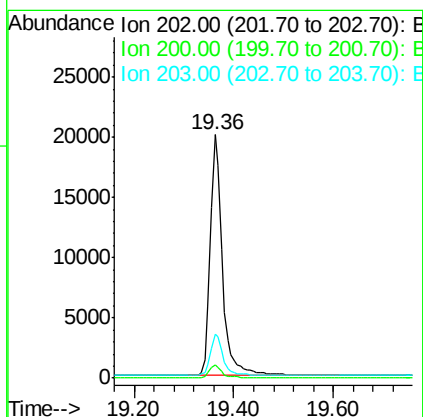
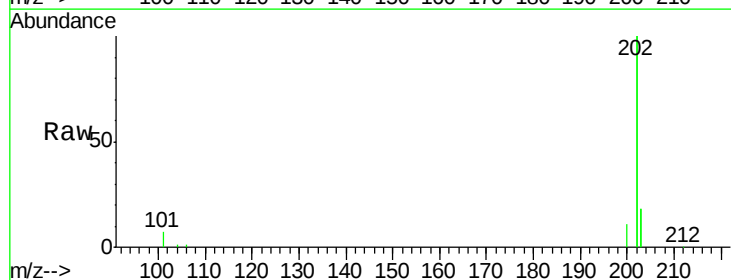
#15
Fluoranthene
 Concen: 0.38 ng/ul
 RT: 19.00 min Scan# 2430
 Delta R.T. 0.01 min
 Lab File: BE090193.D
 Acq: 21 Jul 2015 2:12

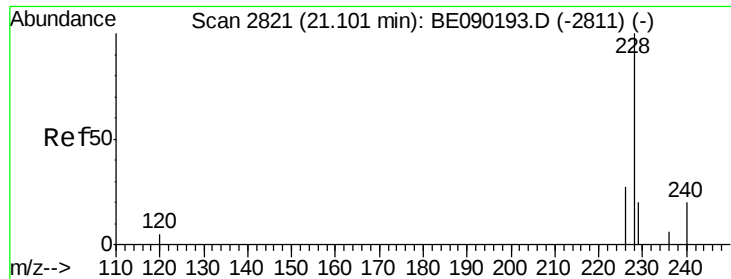
Tgt Ion: 202 Resp: 32701
 Ion Ratio Lower Upper
 202 100
 101 2.6 0.0 23.0
 203 18.5 0.0 37.0



#17
Pyrene
 Concen: 0.45 ng/ul
 RT: 19.36 min Scan# 2485
 Delta R.T. -0.00 min
 Lab File: BE090193.D
 Acq: 21 Jul 2015 2:12

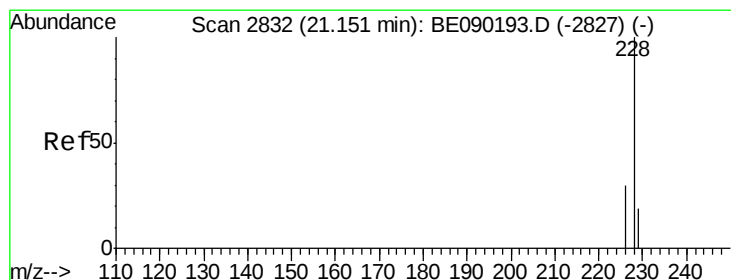
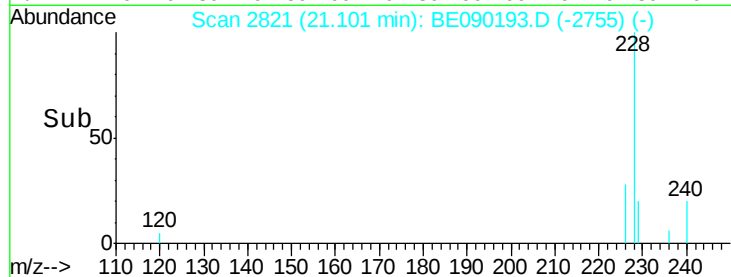
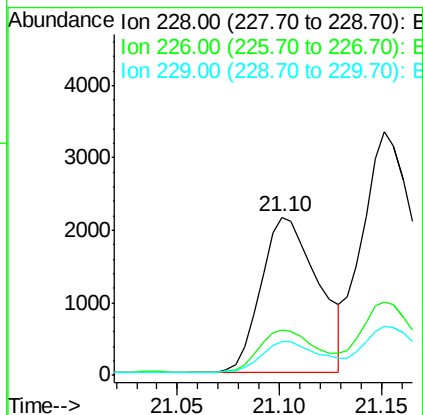
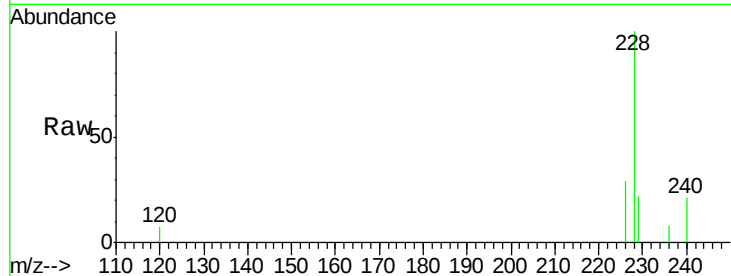
Tgt Ion: 202 Resp: 33824
 Ion Ratio Lower Upper
 202 100
 200 5.4 4.3 6.5
 203 17.9 14.6 21.8





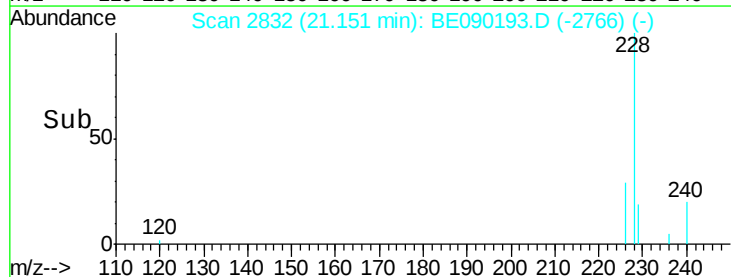
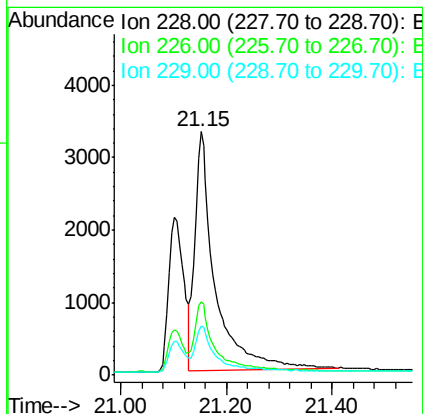
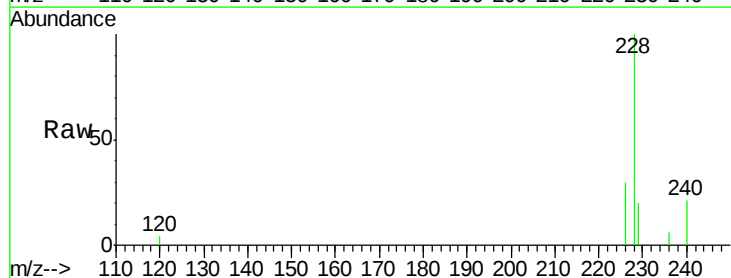
#18
Benzo(a)anthracene
Concen: 0.27 ng/ul
RT: 21.10 min Scan# 2821
Delta R.T. 0.00 min
Lab File: BE090193.D
Acq: 21 Jul 2015 2:12

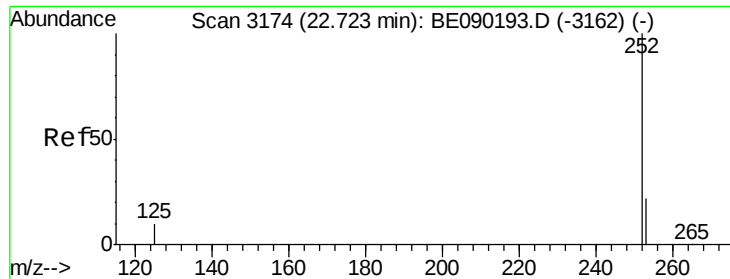
Tgt Ion:228 Resp: 4137
Ion Ratio Lower Upper
228 100
226 29.0 22.2 33.4
229 21.7 16.9 25.3



#19
Chrysene
Concen: 0.48 ng/ul
RT: 21.15 min Scan# 2832
Delta R.T. 0.00 min
Lab File: BE090193.D
Acq: 21 Jul 2015 2:12

Tgt Ion:228 Resp: 8768
Ion Ratio Lower Upper
228 100
226 30.1 24.3 36.5
229 20.2 16.6 24.8





#21

Benzo(b)fluoranthene

Concen: 0.19 ng/ul

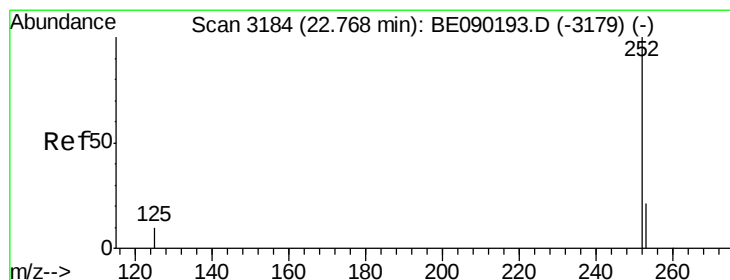
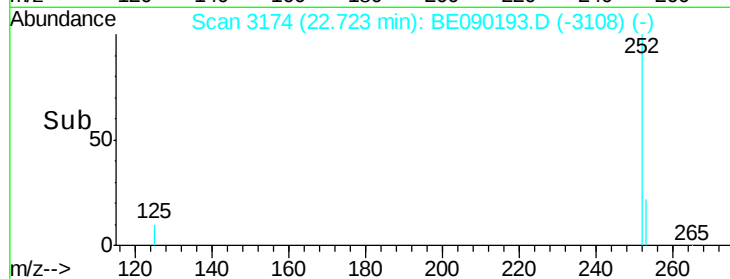
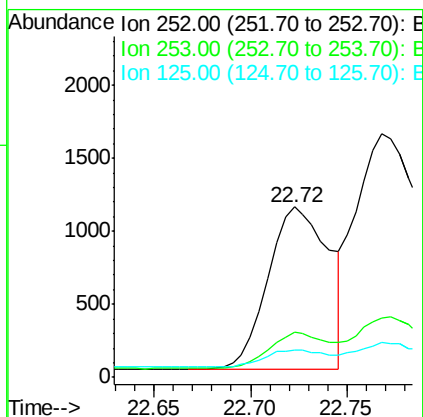
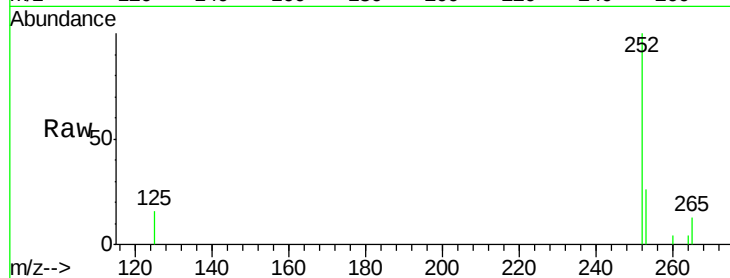
RT: 22.72 min Scan# 3174

Delta R.T. 0.00 min

Lab File: BE090193.D

Acq: 21 Jul 2015 2:12

Tgt Ion:	252	Resp:	2452
Ion	Ratio	Lower	Upper
252	100		
253	26.3	0.0	46.8
125	15.9	0.0	25.4



#22

Benzo(k)fluoranthene

Concen: 0.45 ng/ul m

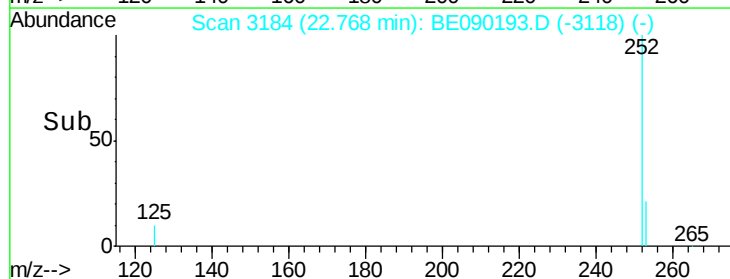
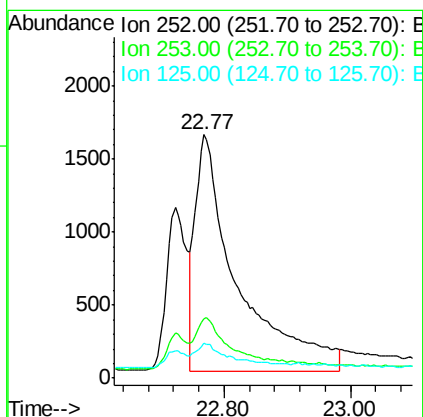
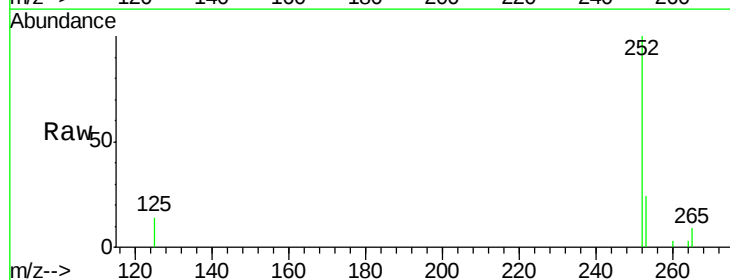
RT: 22.77 min Scan# 3184

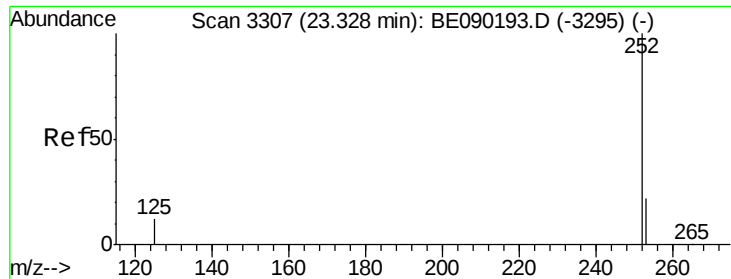
Delta R.T. 0.00 min

Lab File: BE090193.D

Acq: 21 Jul 2015 2:12

Tgt Ion:	252	Resp:	7478
Ion	Ratio	Lower	Upper
252	100		
253	24.4	18.3	27.5
125	14.4	9.8	14.8





#23

Benzo(a)pyrene

Concen: 0.25 ng/ul

RT: 23.33 min Scan# 3307

Delta R.T. 0.01 min

Lab File: BE090193.D

Acq: 21 Jul 2015 2:12

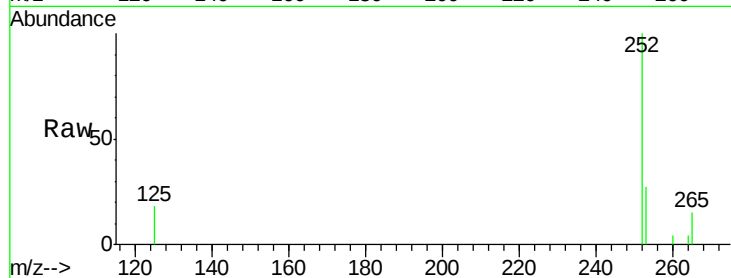
Tgt Ion: 252 Resp: 3263

Ion Ratio Lower Upper

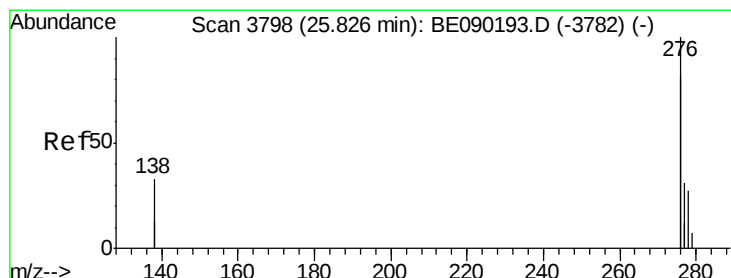
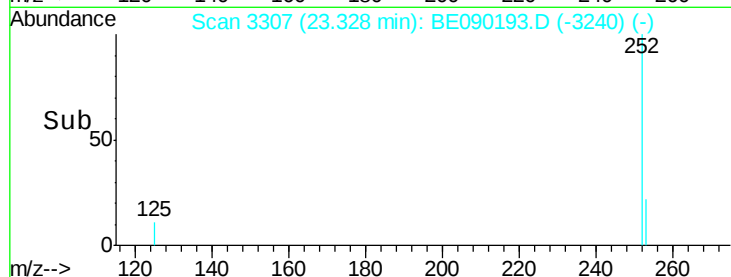
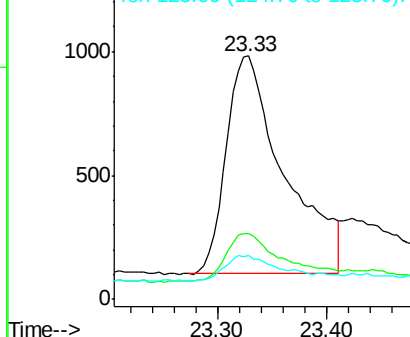
252 100

253 27.2 18.4 27.6

125 18.3 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: 0.20 ng/ul

RT: 25.83 min Scan# 3798

Delta R.T. 0.00 min

Lab File: BE090193.D

Acq: 21 Jul 2015 2:12

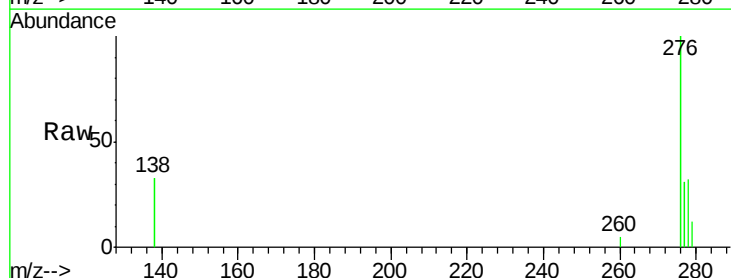
Tgt Ion: 276 Resp: 12465

Ion Ratio Lower Upper

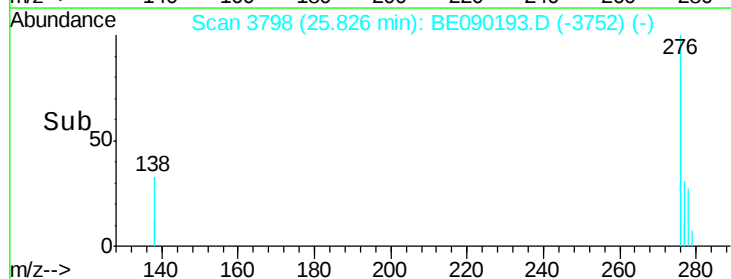
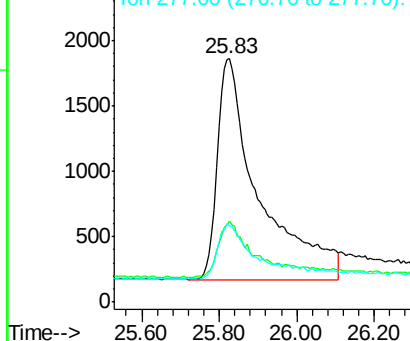
276 100

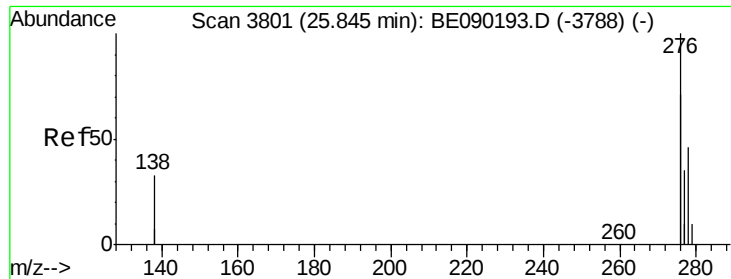
138 19.9 19.8 29.8

277 21.7 19.8 29.6



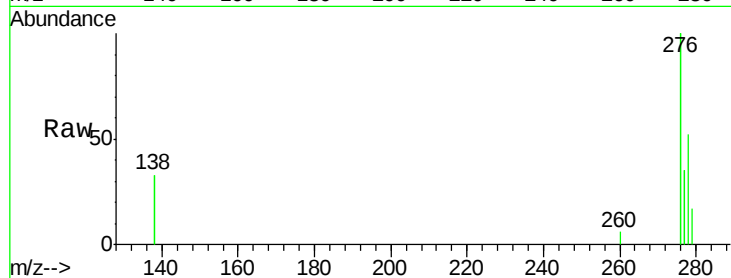
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



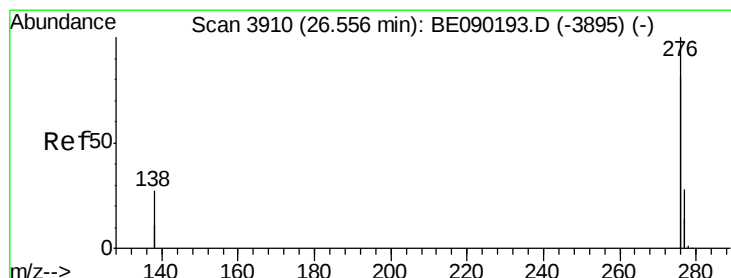
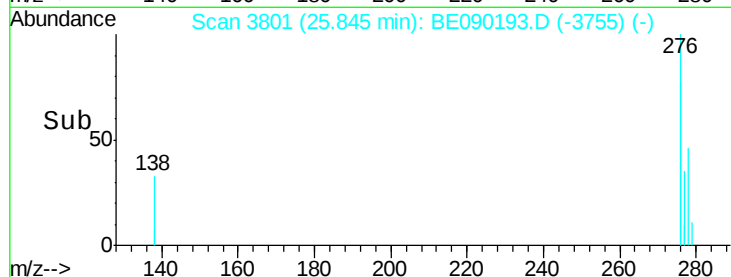
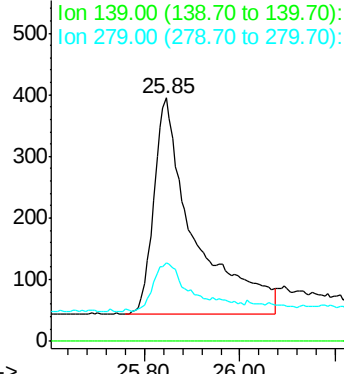


#25
Dibenzo(a,h)anthracene
Concen: 0.17 ng/ul
RT: 25.85 min Scan# 3801
Delta R.T. 0.00 min
Lab File: BE090193.D
Acq: 21 Jul 2015 2:12

Tgt Ion: 278 Resp: 2042
Ion Ratio Lower Upper
278 100
139 0.0 0.0 0.0
279 32.4 20.0 30.0#

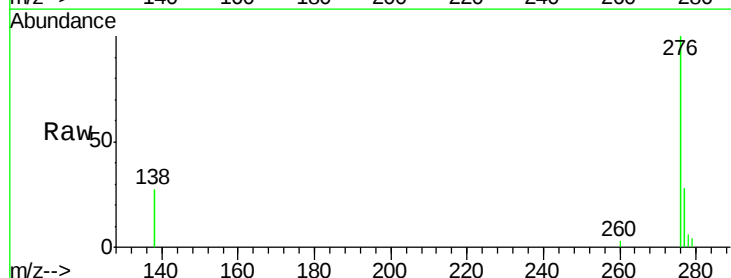


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#26
Benzo(g,h,i)perylene
Concen: 0.30 ng/ul
RT: 26.56 min Scan# 3910
Delta R.T. 0.00 min
Lab File: BE090193.D
Acq: 21 Jul 2015 2:12

Tgt Ion: 276 Resp: 16679
Ion Ratio Lower Upper
276 100
277 28.3 20.6 31.0
138 26.7 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

