

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE072115\
 Data File : BE090201.D
 Acq On : 21 Jul 2015 8:52
 Operator : TP/IZ
 Sample : SSTDCCC0.4EC
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 21 09:49:12 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	757	0.40	ng/ul	0.00
2) Naphthalene-d8	10.36	136	3649	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.21	164	2060	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.94	188	5240	0.40	ng/ul	0.00
16) Chrysene-d12	21.12	240	4318	0.40	ng/ul	0.00
20) Perylene-d12	23.43	264	2537	0.40	ng/ul	0.00

System Monitoring Compounds

4) 2-Methylnaphthalene-d10	11.96	152	2284	0.39	ng/ul	0.00
14) Fluoranthene-d10	18.97	212	6119	0.39	ng/ul	0.00

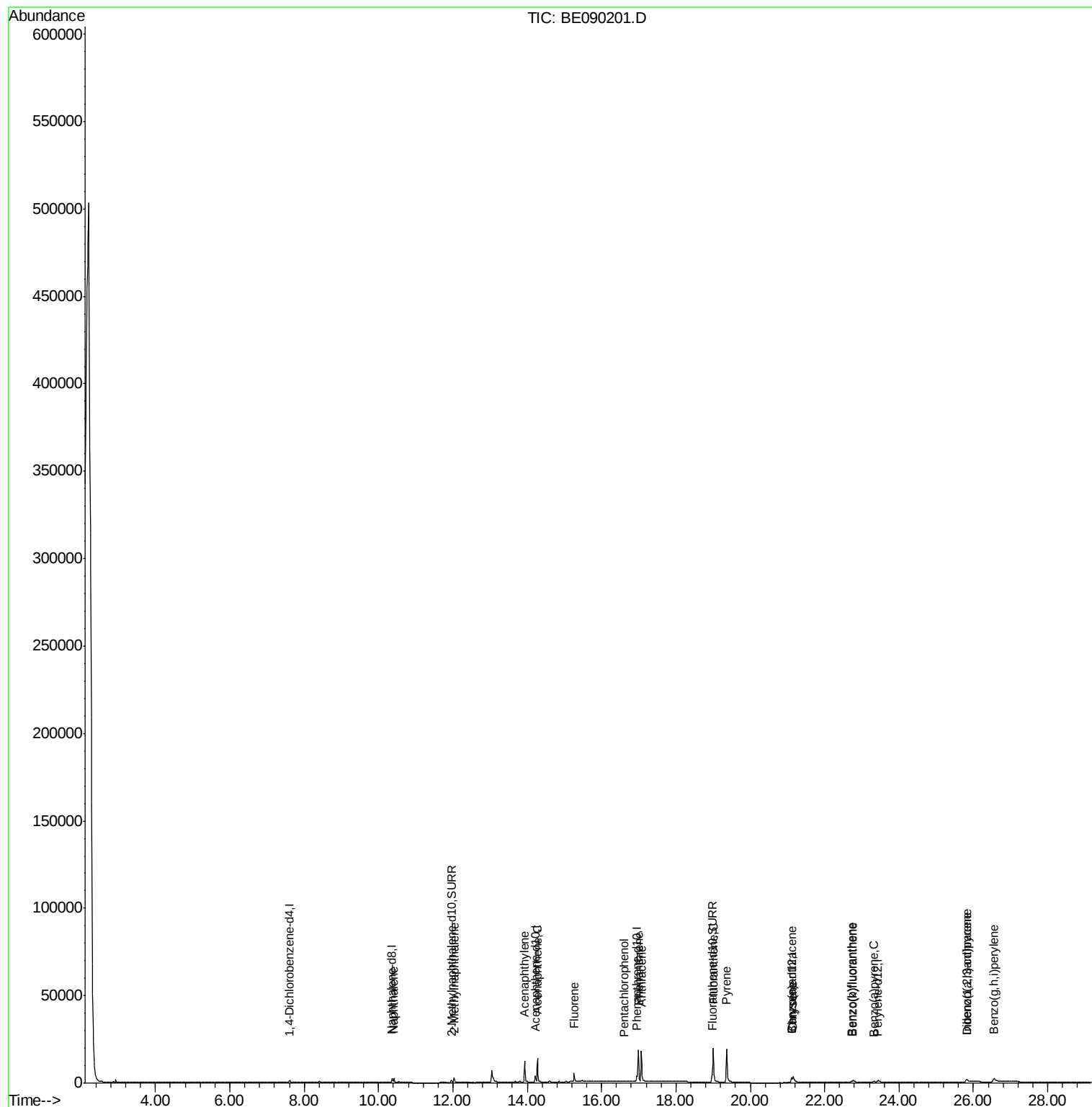
Target Compounds

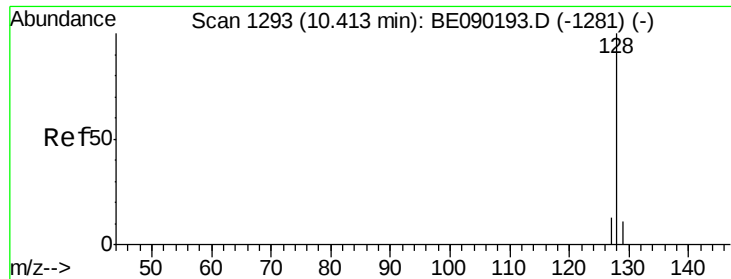
						Qvalue
3) Naphthalene	10.41	128	3789	0.39	ng/ul	100
5) 2-Methylnaphthalene	12.03	142	2544	0.39	ng/ul	98
7) Acenaphthylene	13.93	152	17106	0.40	ng/ul	99
8) Acenaphthene	14.27	153	12292	0.39	ng/ul	100
9) Fluorene	15.26	166	3550	0.39	ng/ul	99
11) Pentachlorophenol	16.61	266	121	0.23	ng/ul#	81
12) Phenanthrene	16.99	178	23884	0.39	ng/ul	100
13) Anthracene	17.07	178	23376	0.40	ng/ul	100
15) Fluoranthene	19.00	202	27325	0.38	ng/ul	97
17) Pyrene	19.36	202	28112	0.51	ng/ul	100
18) Benzo(a)anthracene	21.10	228	2337	0.21	ng/ul	98
19) Chrysene	21.15	228	6871	0.51	ng/ul	99
21) Benzo(b)fluoranthene	22.72	252	1201	0.17	ng/ul	87
22) Benzo(k)fluoranthene	22.77	252	4589m	0.49	ng/ul	
23) Benzo(a)pyrene	23.32	252	1871	0.26	ng/ul#	84
24) Indeno(1,2,3-cd)pyrene	25.82	276	5238	0.15	ng/ul#	94
25) Dibenzo(a,h)anthracene	25.84	278	789	0.12	ng/ul#	69
26) Benzo(g,h,i)perylene	26.56	276	7060	0.23	ng/ul#	86

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

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#3

Naphthalene

Concen: 0.39 ng/ul

RT: 10.41 min Scan# 1293

Delta R.T. -0.00 min

Lab File: BE090201.D

Acq: 21 Jul 2015 8:52

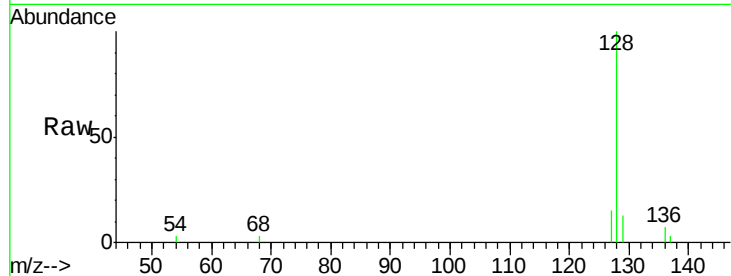
Tgt Ion:128 Resp: 3789

Ion Ratio Lower Upper

128 100

129 12.7 10.2 15.4

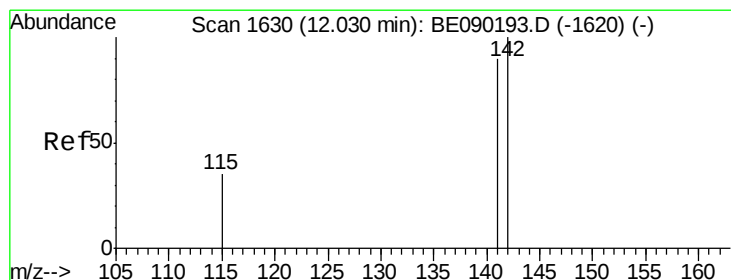
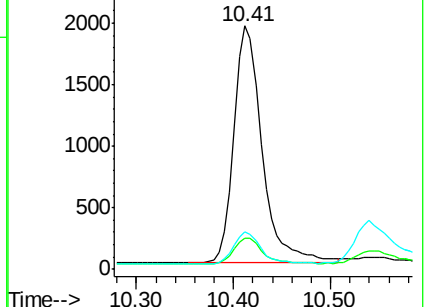
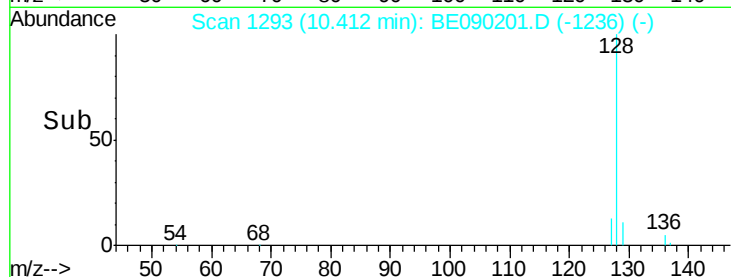
127 15.2 11.9 17.9



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



#5

2-Methylnaphthalene

Concen: 0.39 ng/ul

RT: 12.03 min Scan# 1630

Delta R.T. -0.00 min

Lab File: BE090201.D

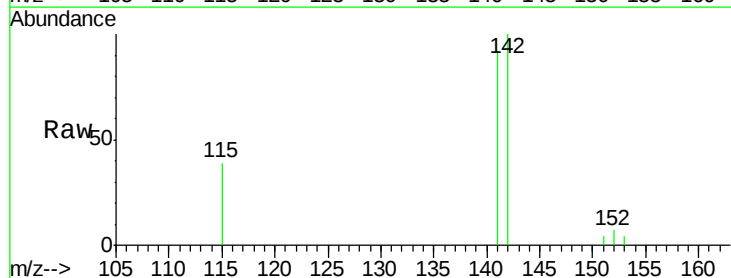
Acq: 21 Jul 2015 8:52

Tgt Ion:142 Resp: 2544

Ion Ratio Lower Upper

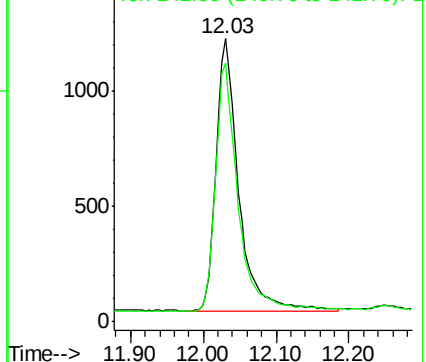
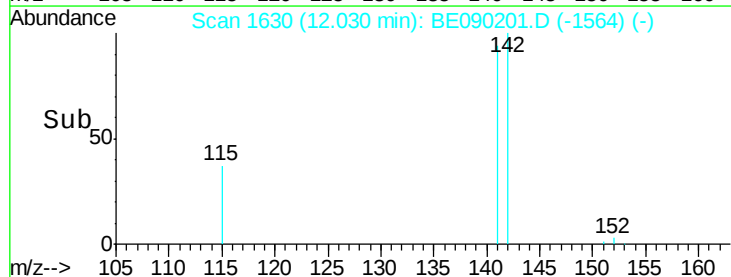
142 100

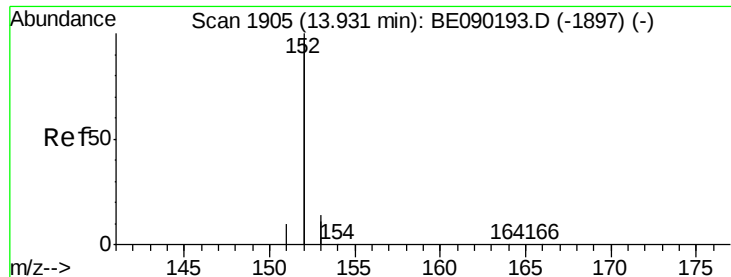
141 89.6 73.4 110.2



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

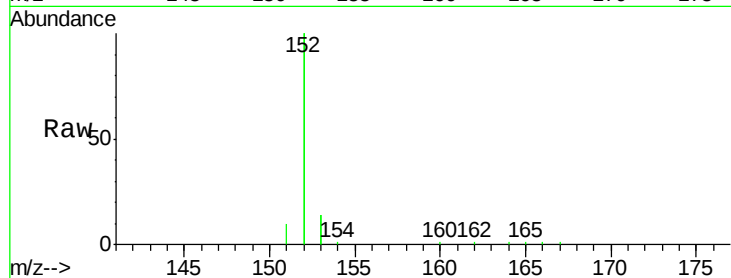
RT: 13.93 min Scan# 1905

Delta R.T. 0.00 min

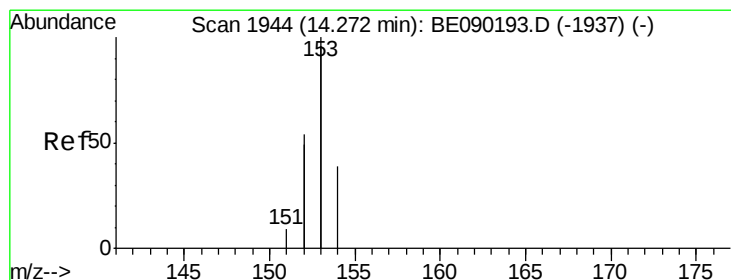
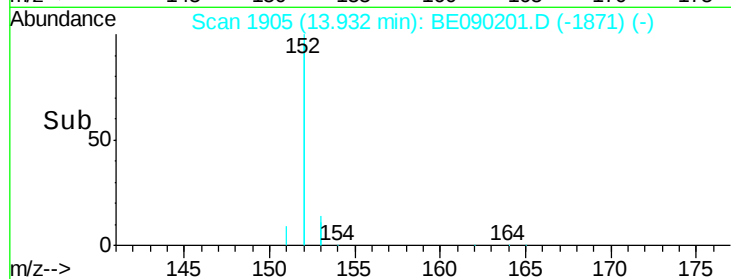
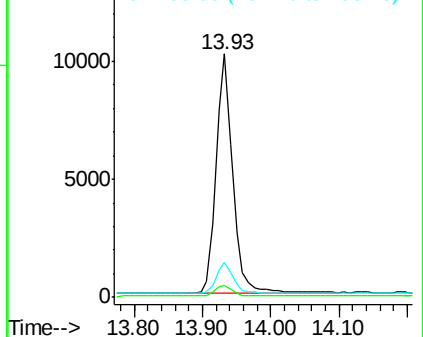
Lab File: BE090201.D

Acq: 21 Jul 2015 8:52

Tgt Ion:	152	Resp:	17106
Ion	Ratio	Lower	Upper
152	100		
151	5.1	4.2	6.4
153	14.2	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: 0.39 ng/ul

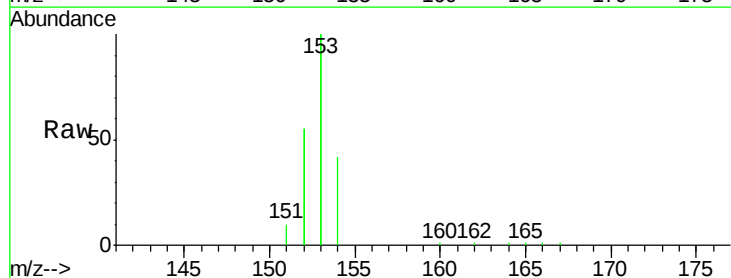
RT: 14.27 min Scan# 1944

Delta R.T. 0.00 min

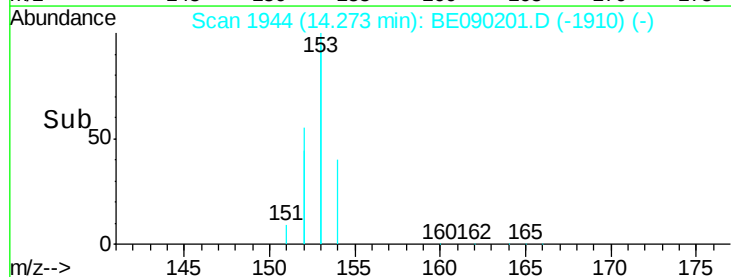
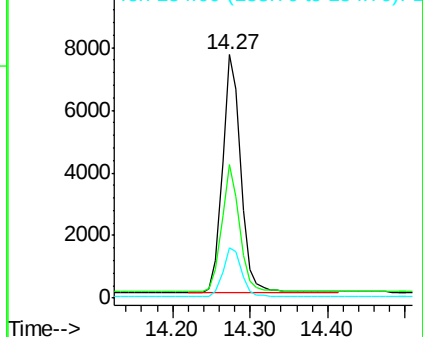
Lab File: BE090201.D

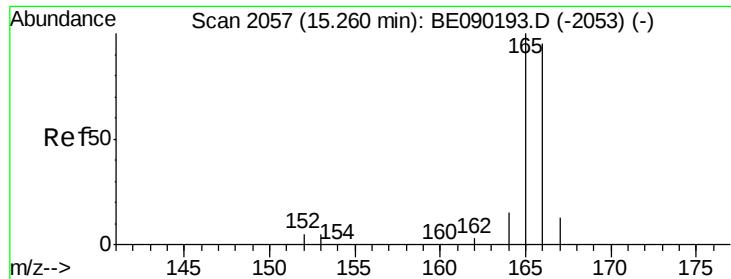
Acq: 21 Jul 2015 8:52

Tgt Ion:	153	Resp:	12292
Ion	Ratio	Lower	Upper
153	100		
152	54.9	43.8	65.8
154	20.8	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: 0.39 ng/ul

RT: 15.26 min Scan# 2057

Delta R.T. 0.00 min

Lab File: BE090201.D

Acq: 21 Jul 2015 8:52

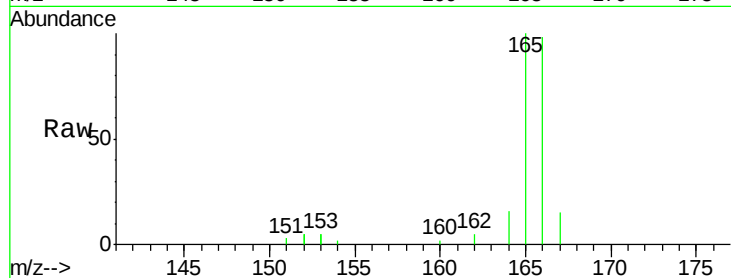
Tgt Ion:166 Resp: 3550

Ion Ratio Lower Upper

166 100

165 102.5 81.2 121.8

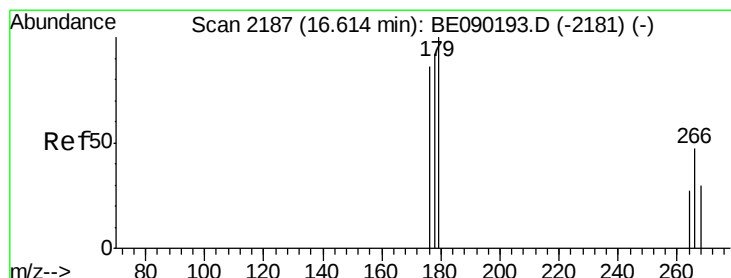
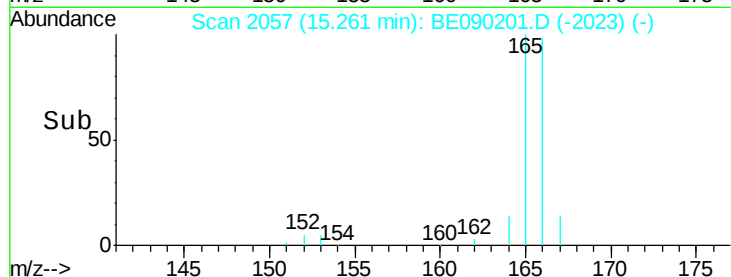
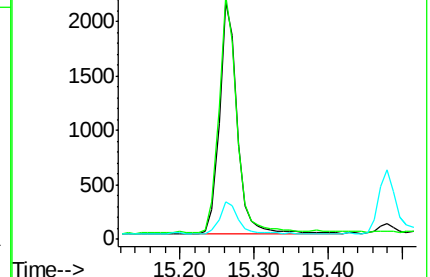
167 15.8 12.6 19.0



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



#11

Pentachlorophenol

Concen: 0.23 ng/ul

RT: 16.61 min Scan# 2187

Delta R.T. -0.00 min

Lab File: BE090201.D

Acq: 21 Jul 2015 8:52

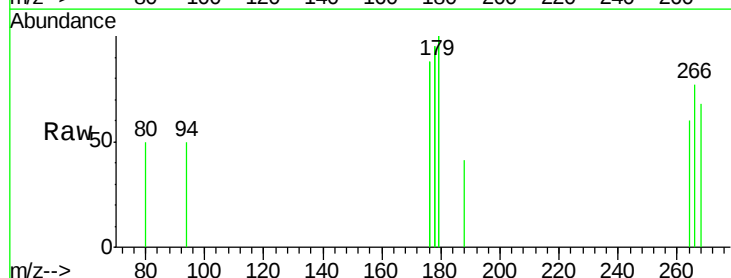
Tgt Ion:266 Resp: 121

Ion Ratio Lower Upper

266 100

264 65.3 47.7 71.5

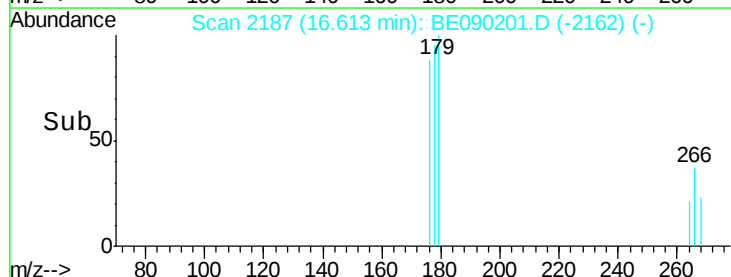
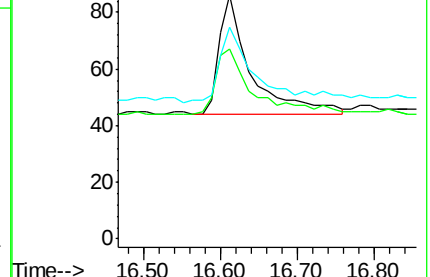
268 81.0 47.0 70.6#

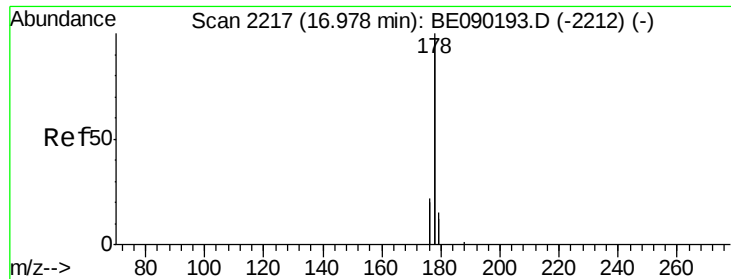


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.39 ng/ul

RT: 16.99 min Scan# 2218

Delta R.T. 0.01 min

Lab File: BE090201.D

Acq: 21 Jul 2015 8:52

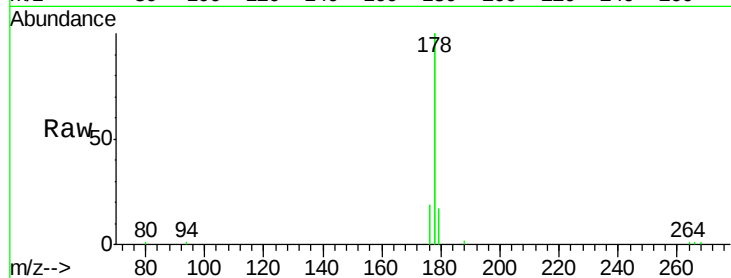
Tgt Ion:178 Resp: 23884

Ion Ratio Lower Upper

178 100

176 19.4 15.3 22.9

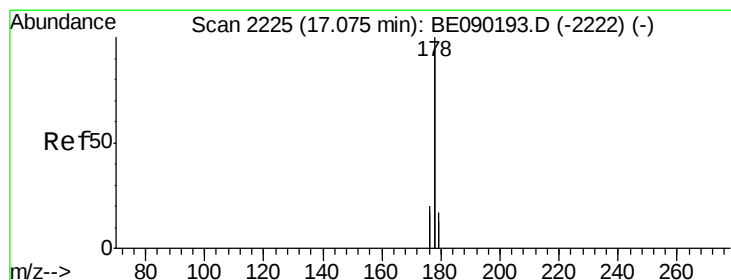
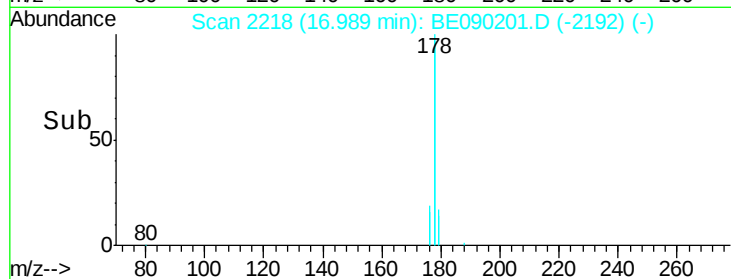
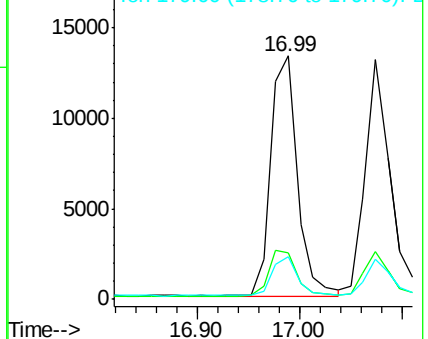
179 17.3 14.0 21.0



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: 0.40 ng/ul

RT: 17.07 min Scan# 2225

Delta R.T. -0.00 min

Lab File: BE090201.D

Acq: 21 Jul 2015 8:52

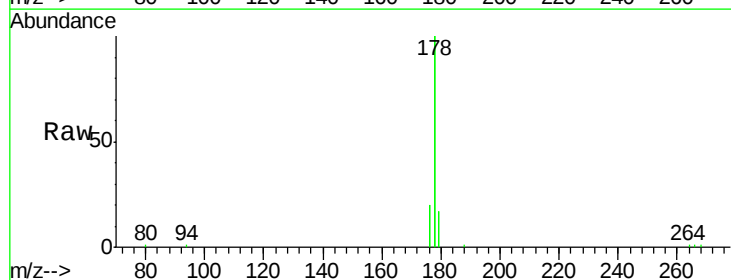
Tgt Ion:178 Resp: 23376

Ion Ratio Lower Upper

178 100

176 20.1 16.0 24.0

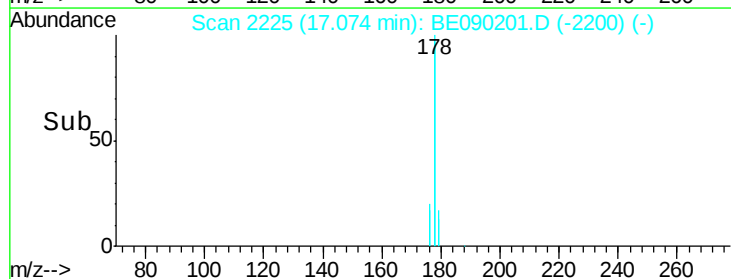
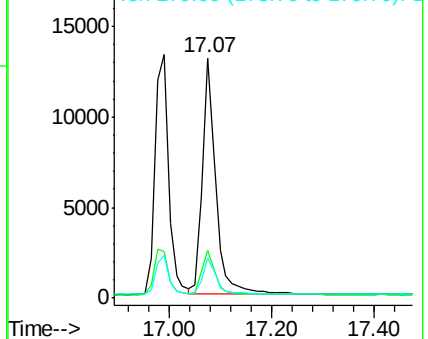
179 16.5 13.4 20.0

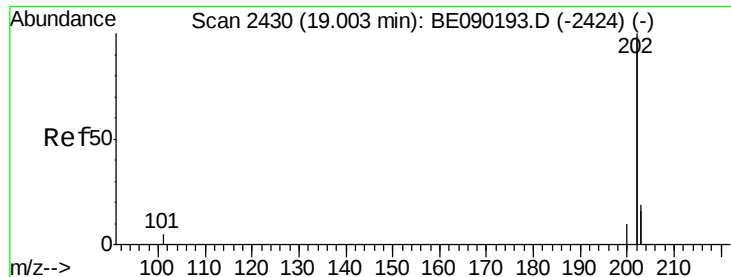


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

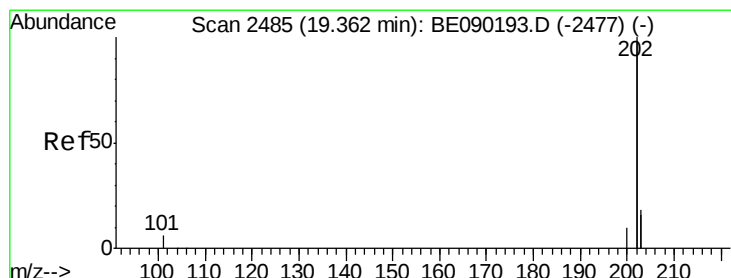
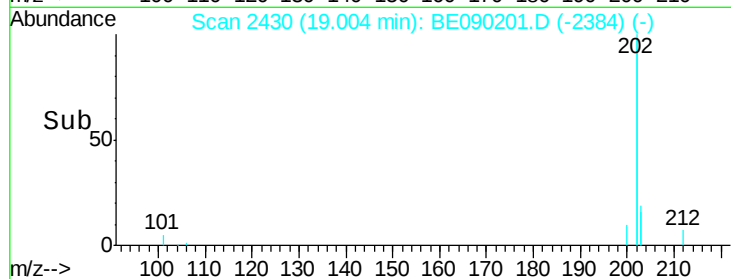
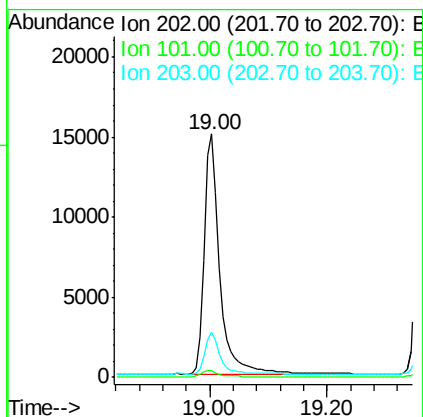
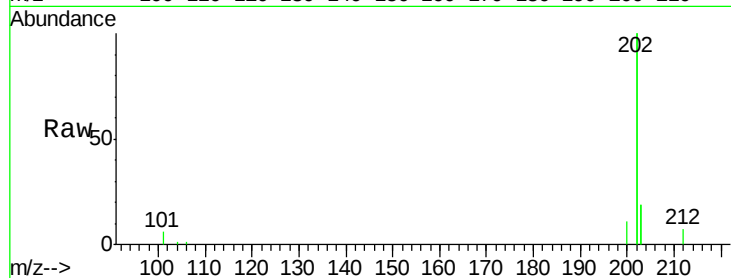
Ion 179.00 (178.70 to 179.70): E





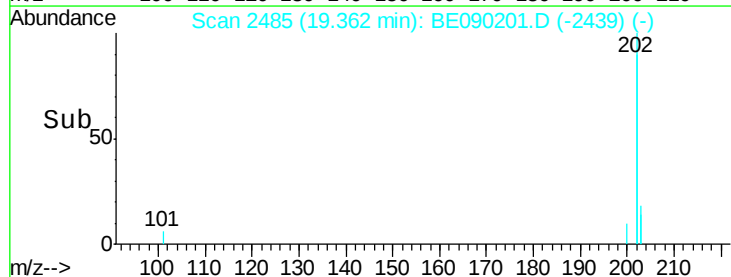
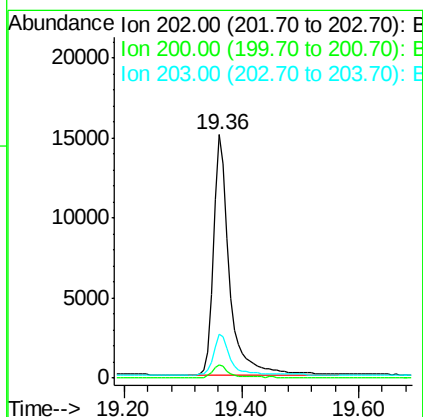
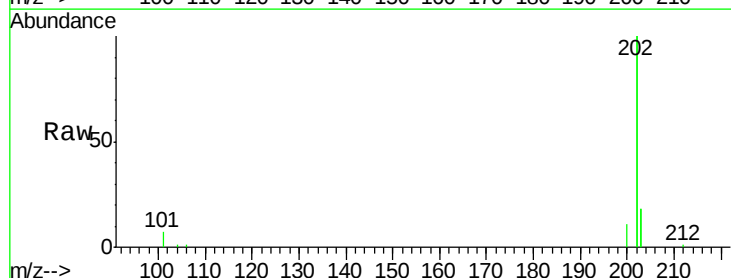
#15
Fluoranthene
 Concen: 0.38 ng/ul
 RT: 19.00 min Scan# 2430
 Delta R.T. 0.00 min
 Lab File: BE090201.D
 Acq: 21 Jul 2015 8:52

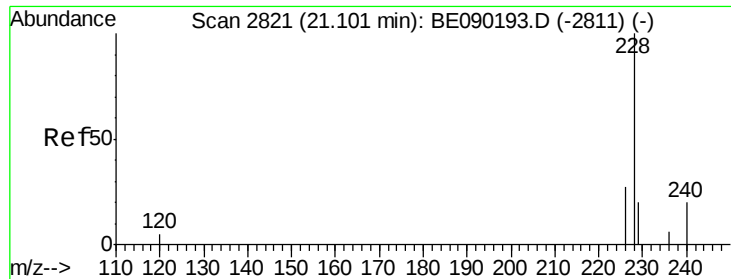
Tgt Ion: 202 Resp: 27325
 Ion Ratio Lower Upper
 202 100
 101 2.8 0.0 23.0
 203 18.7 0.0 37.0



#17
Pyrene
 Concen: 0.51 ng/ul
 RT: 19.36 min Scan# 2485
 Delta R.T. 0.00 min
 Lab File: BE090201.D
 Acq: 21 Jul 2015 8:52

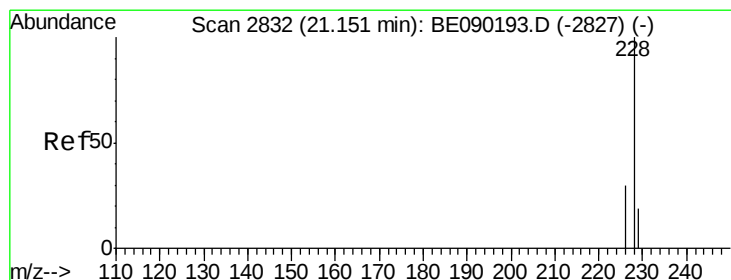
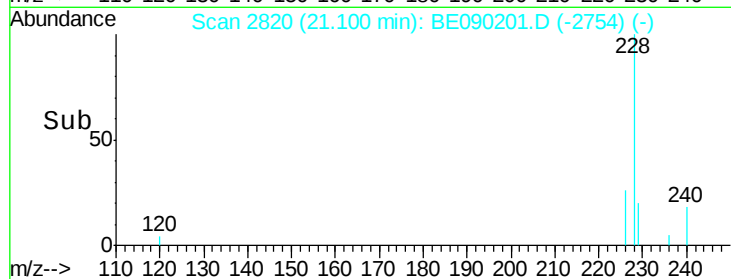
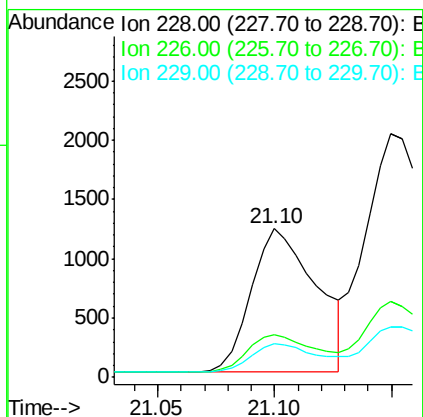
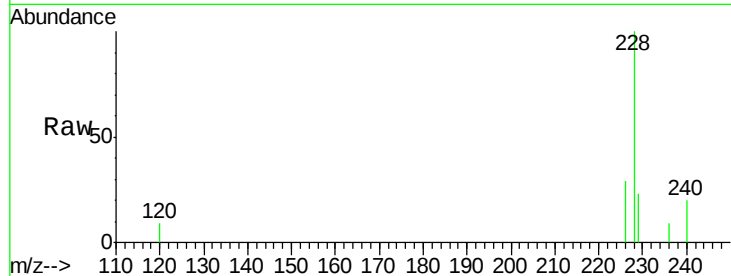
Tgt Ion: 202 Resp: 28112
 Ion Ratio Lower Upper
 202 100
 200 5.4 4.3 6.5
 203 18.2 14.6 21.8





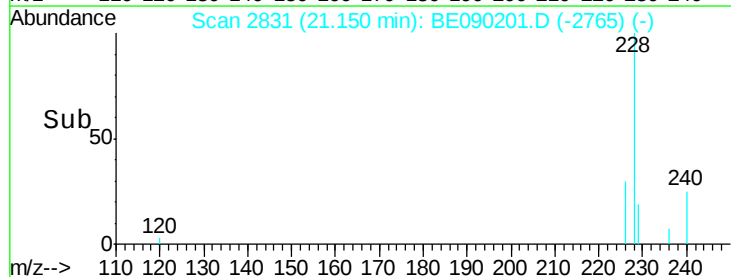
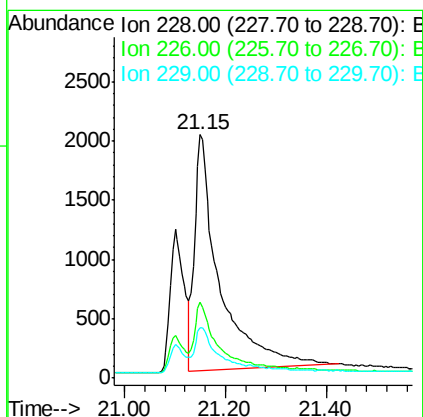
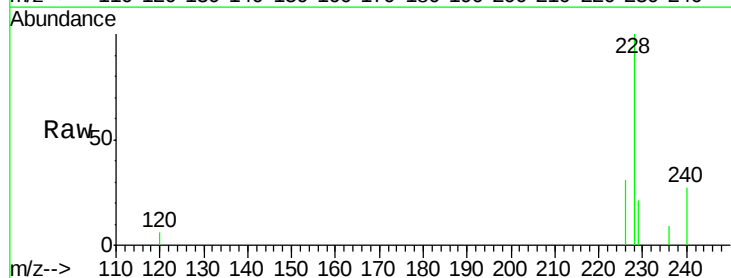
#18
Benzo(a)anthracene
Concen: 0.21 ng/ul
RT: 21.10 min Scan# 2820
Delta R.T. -0.00 min
Lab File: BE090201.D
Acq: 21 Jul 2015 8:52

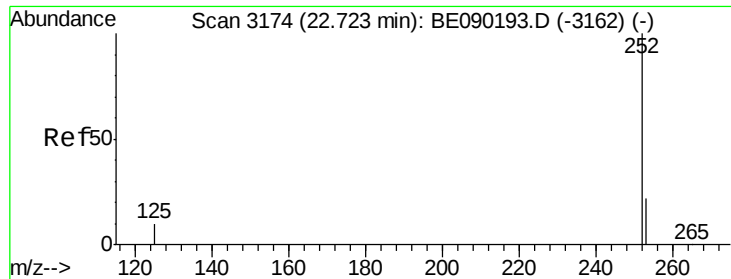
Tgt Ion:228 Resp: 2337
Ion Ratio Lower Upper
228 100
226 28.8 22.2 33.4
229 22.6 16.9 25.3



#19
Chrysene
Concen: 0.51 ng/ul
RT: 21.15 min Scan# 2831
Delta R.T. -0.00 min
Lab File: BE090201.D
Acq: 21 Jul 2015 8:52

Tgt Ion:228 Resp: 6871
Ion Ratio Lower Upper
228 100
226 31.2 24.3 36.5
229 20.7 16.6 24.8





#21

Benzo(b)fluoranthene

Concen: 0.17 ng/ul

RT: 22.72 min Scan# 3173

Delta R.T. -0.00 min

Lab File: BE090201.D

Acq: 21 Jul 2015 8:52

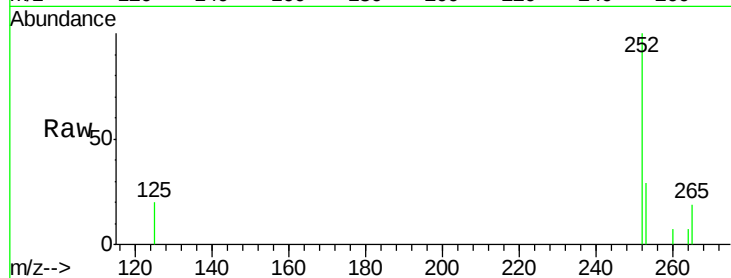
Tgt Ion: 252 Resp: 1201

Ion Ratio Lower Upper

252 100

253 28.7 0.0 46.8

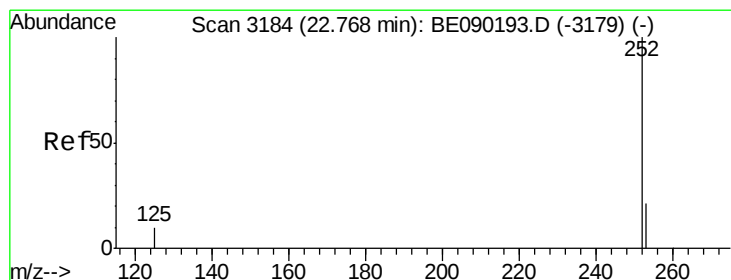
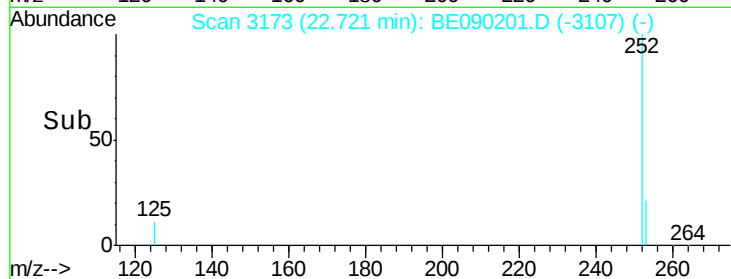
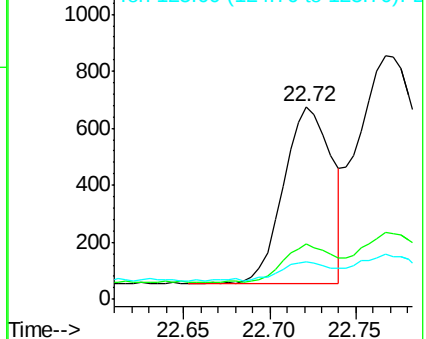
125 19.6 0.0 25.4



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: 0.49 ng/ul m

RT: 22.77 min Scan# 3183

Delta R.T. -0.00 min

Lab File: BE090201.D

Acq: 21 Jul 2015 8:52

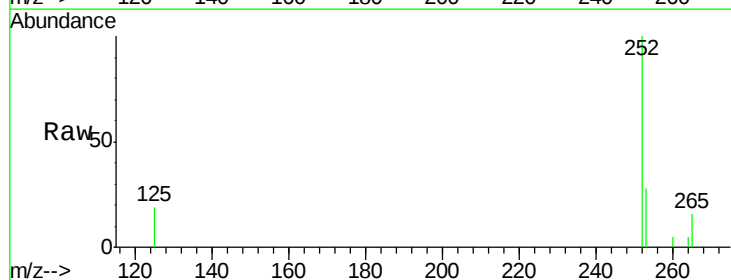
Tgt Ion: 252 Resp: 4589

Ion Ratio Lower Upper

252 100

253 27.6 18.3 27.5#

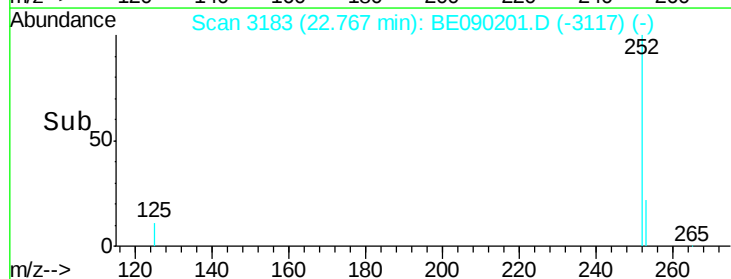
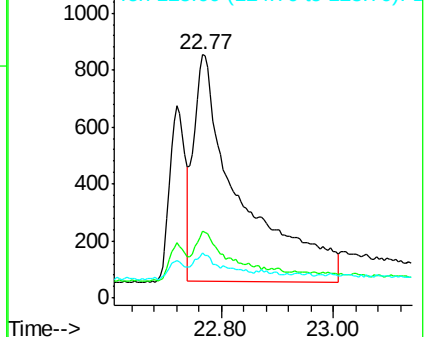
125 18.5 9.8 14.8#

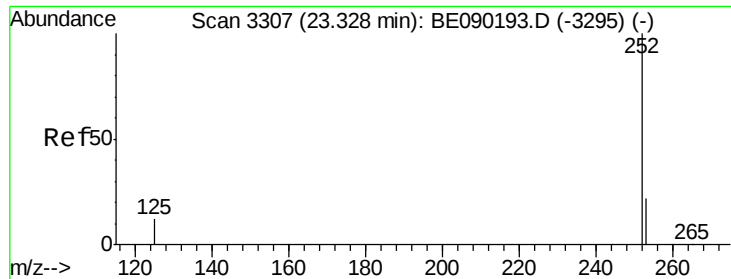


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.26 ng/ul

RT: 23.32 min Scan# 3305

Delta R.T. -0.01 min

Lab File: BE090201.D

Acq: 21 Jul 2015 8:52

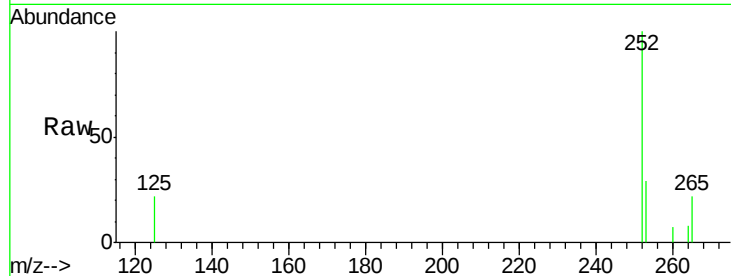
Tgt Ion: 252 Resp: 1871

Ion Ratio Lower Upper

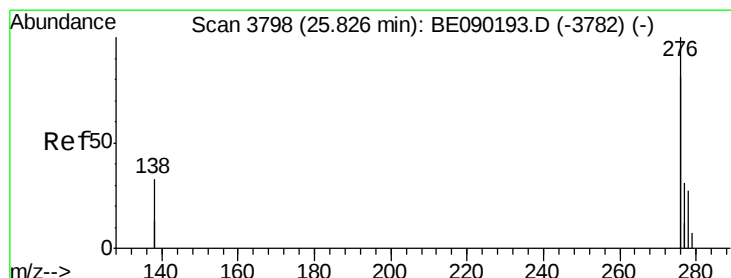
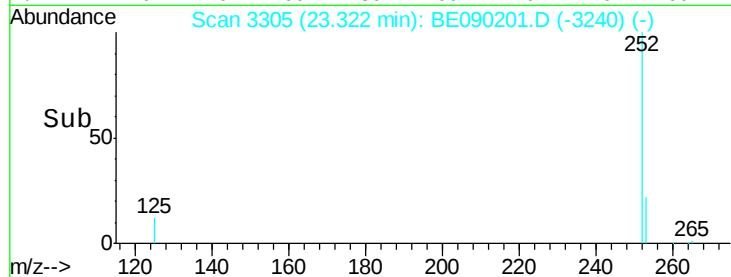
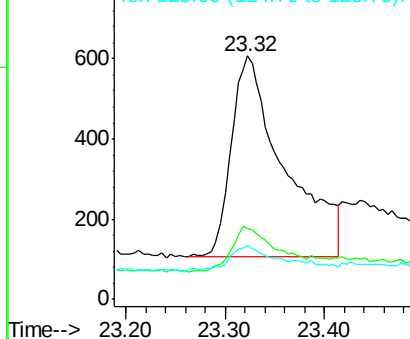
252 100

253 29.3 18.4 27.6#

125 22.4 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: 0.15 ng/ul

RT: 25.82 min Scan# 3796

Delta R.T. -0.01 min

Lab File: BE090201.D

Acq: 21 Jul 2015 8:52

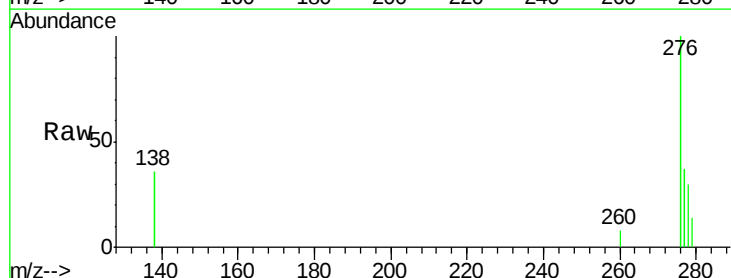
Tgt Ion: 276 Resp: 5238

Ion Ratio Lower Upper

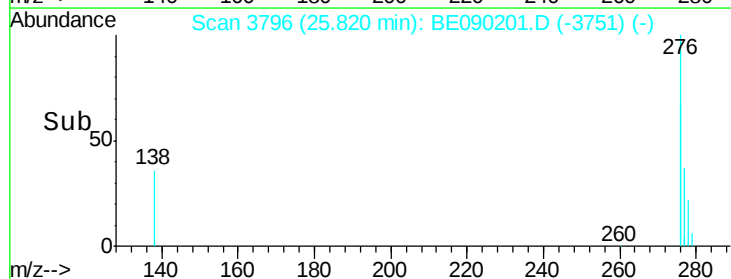
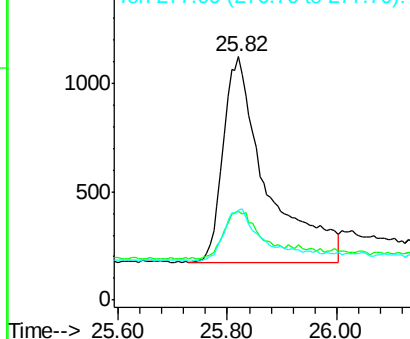
276 100

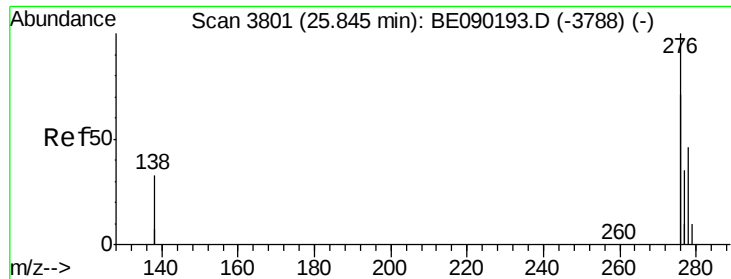
138 19.2 19.8 29.8#

277 24.0 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

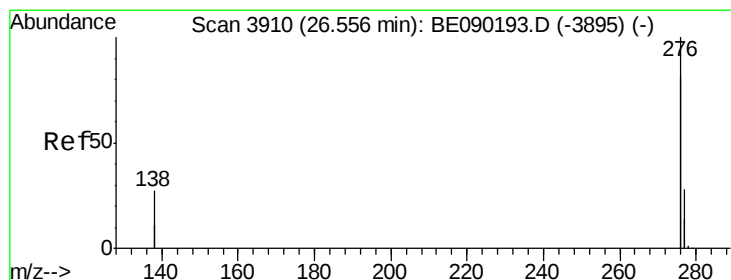
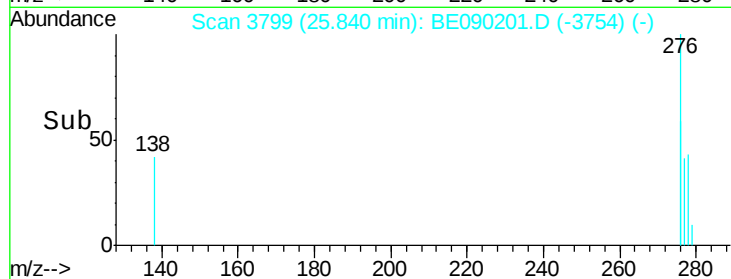
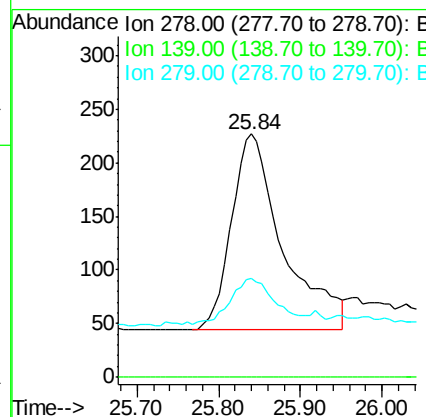
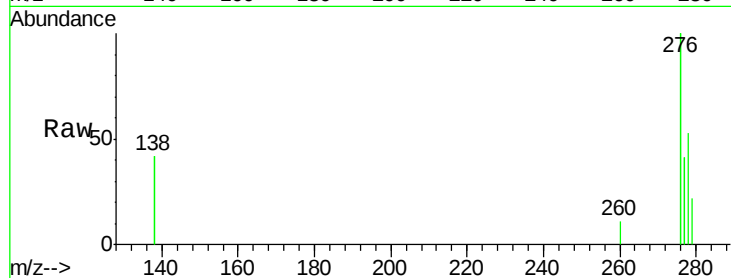




#25
Dibenzo(a,h)anthracene
Concen: 0.12 ng/ul
RT: 25.84 min Scan# 3799
Delta R.T. -0.01 min
Lab File: BE090201.D
Acq: 21 Jul 2015 8:52

Tgt Ion: 278 Resp: 789

Ion	Ratio	Lower	Upper
278	100		
139	0.0	0.0	0.0
279	40.5	20.0	30.0#



#26
Benzo(g,h,i)perylene
Concen: 0.23 ng/ul
RT: 26.56 min Scan# 3909
Delta R.T. 0.00 min
Lab File: BE090201.D
Acq: 21 Jul 2015 8:52

Tgt Ion: 276 Resp: 7060

Ion	Ratio	Lower	Upper
276	100		
277	32.8	20.6	31.0#
138	30.7	19.3	28.9#

