

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 07:16:40 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
11) Pentachlorophenol	16.61	266	23	0.04	ng/ul#	69
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	1838	0.13	ng/ul#	90
21) Benzo(b)fluoranthene	22.72	252	432	0.05	ng/ul#	61
22) Benzo(k)fluoranthene	22.76	252	699	0.06	ng/ul#	62
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

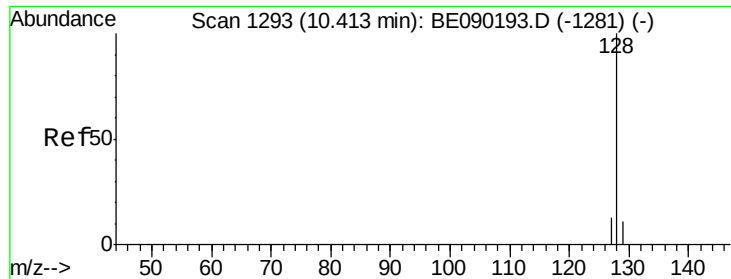
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Abundance

TIC: BE090196.D

Time-->

Retention Time (min)	Compound
1.5	1,4-Dichlorobenzene-d4, I
10.5	Naphthalene-d8, I
12.5	2-Methylnaphthalene-d10, SURR
14.5	Acenaphthylene
14.5	Acenaphthene-d10, I
15.5	Fluorene
17.5	Pentachlorophenol
17.5	Anthracene-d10, I
19.5	Fluoranthene-d10, SURR
19.5	Pyrene
21.5	Chrysene
21.5	Benzo(a)anthracene
23.5	Benzo(e)fluoranthene
23.5	Benzo(a)pyrene, C
26.5	Dibenz(a,h)anthracene
26.5	Benzo(g,h,i)perylene



#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

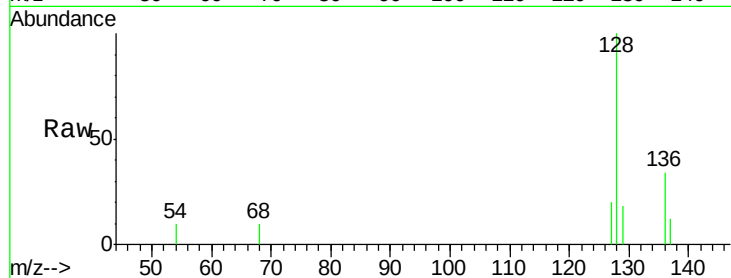
Tgt Ion:128 Resp: 1066

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

600

400

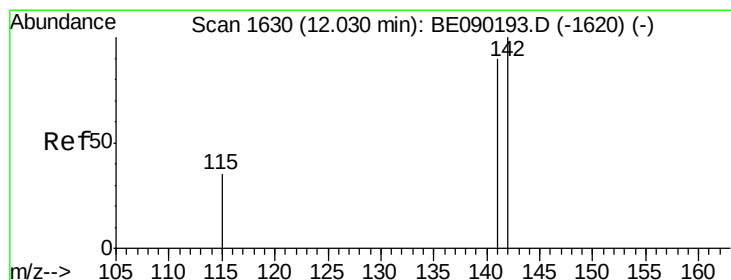
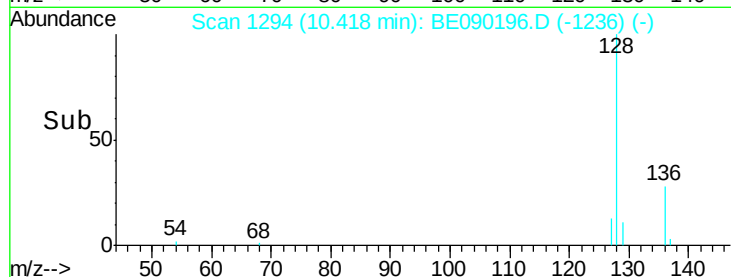
200

0

10.42

10.30 10.40 10.50

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

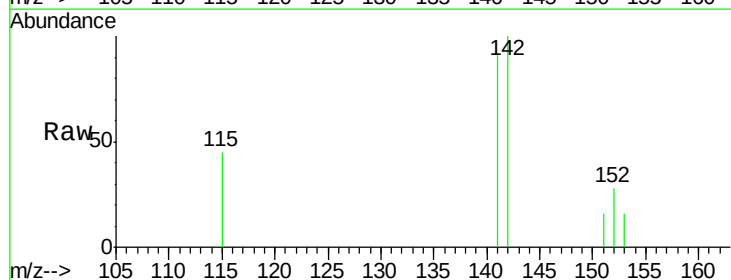
Acq: 21 Jul 2015 5:14

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

400

300

200

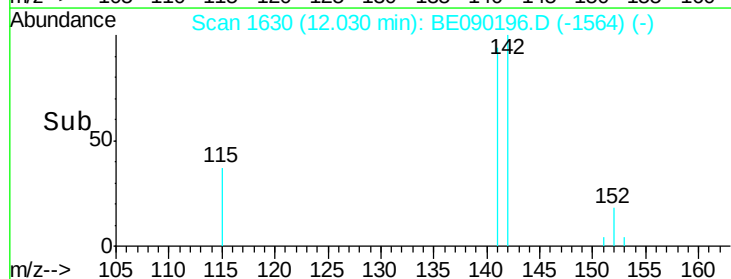
100

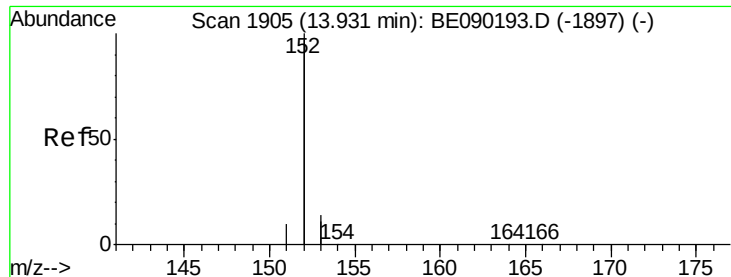
0

12.03

11.90 12.00 12.10 12.20

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

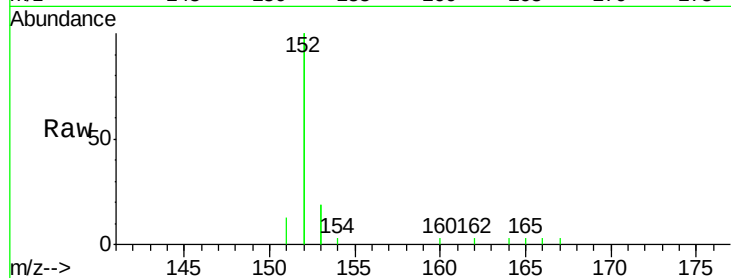
Tgt Ion:152 Resp: 5080

Ion Ratio Lower Upper

152 100

151 6.5 4.2 6.4#

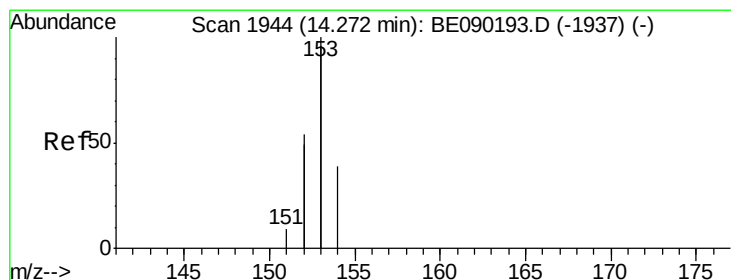
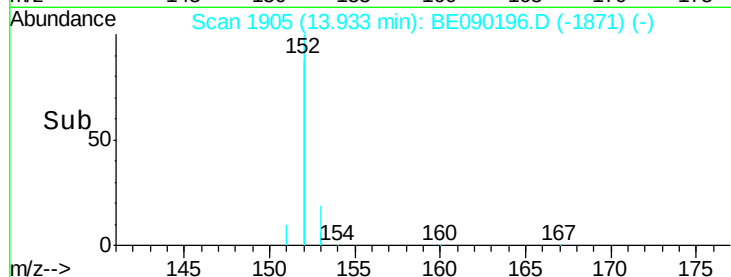
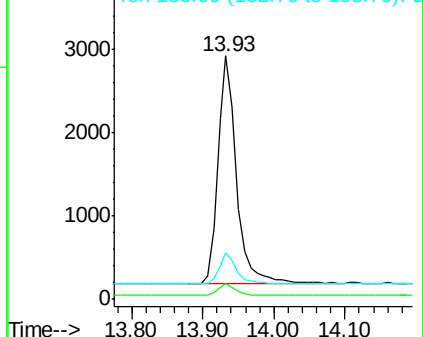
153 18.9 11.9 17.9#



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: 0.11 ng/ul

RT: 14.27 min Scan# 1944

Delta R.T. 0.00 min

Lab File: BE090196.D

Acq: 21 Jul 2015 5:14

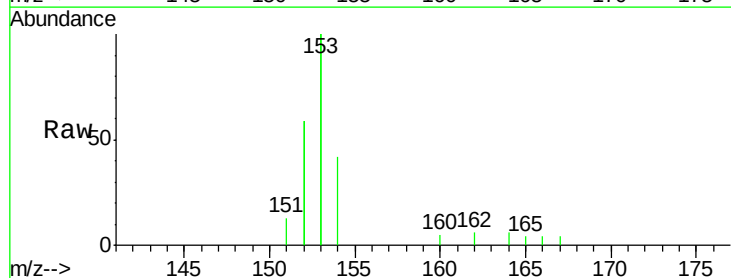
Tgt Ion:153 Resp: 3608

Ion Ratio Lower Upper

153 100

152 58.9 43.8 65.8

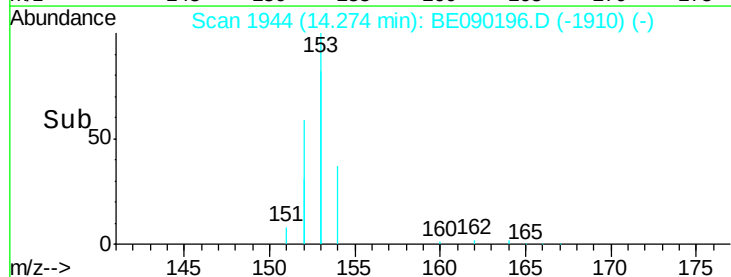
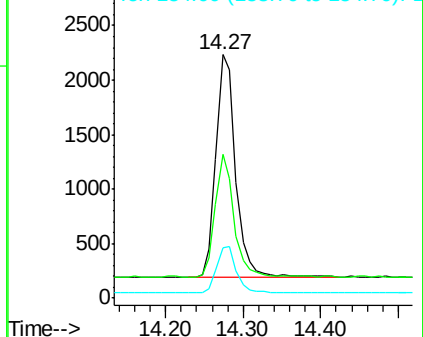
154 20.8 16.8 25.2

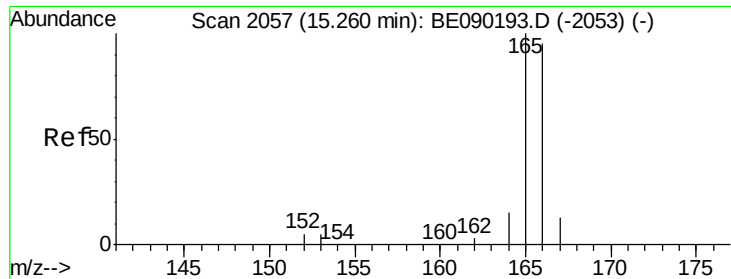


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.11 ng/ul

RT: 15.27 min Scan# 2058

Delta R.T. 0.01 min

Lab File: BE090196.D

Acq: 21 Jul 2015 5:14

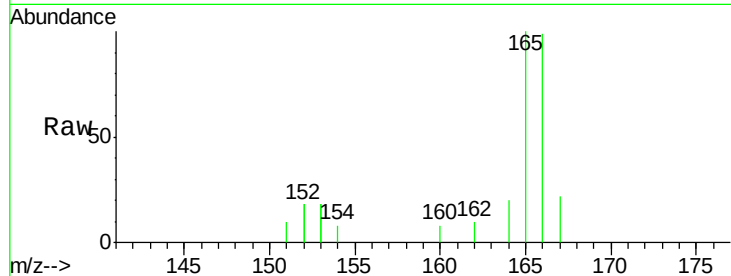
Tgt Ion:166 Resp: 1083

Ion Ratio Lower Upper

166 100

165 101.1 81.2 121.8

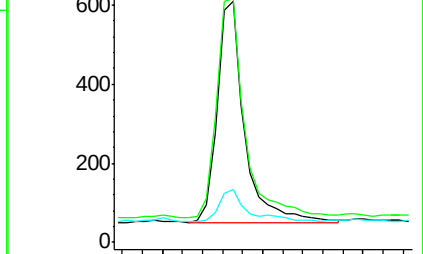
167 22.2 12.6 19.0#



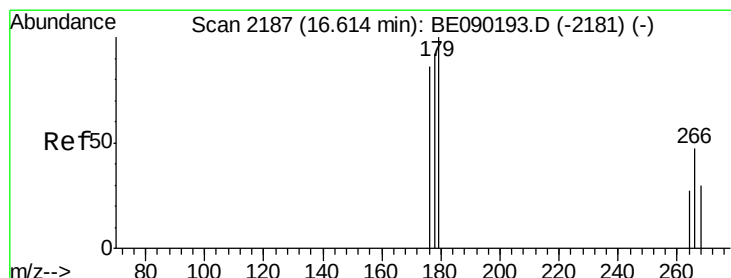
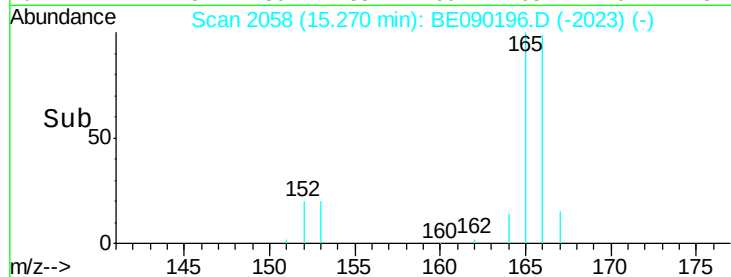
Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



Time-->



#11

Pentachlorophenol

Concen: 0.04 ng/ul

RT: 16.61 min Scan# 2187

Delta R.T. -0.00 min

Lab File: BE090196.D

Acq: 21 Jul 2015 5:14

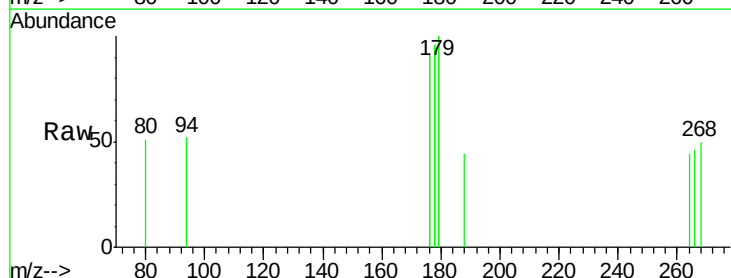
Tgt Ion:266 Resp: 23

Ion Ratio Lower Upper

266 100

264 60.9 47.7 71.5

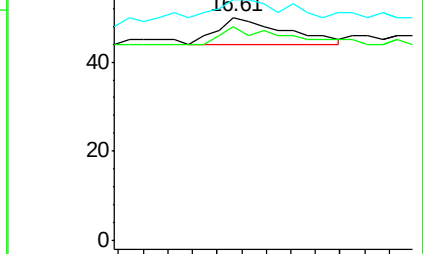
268 104.3 47.0 70.6#



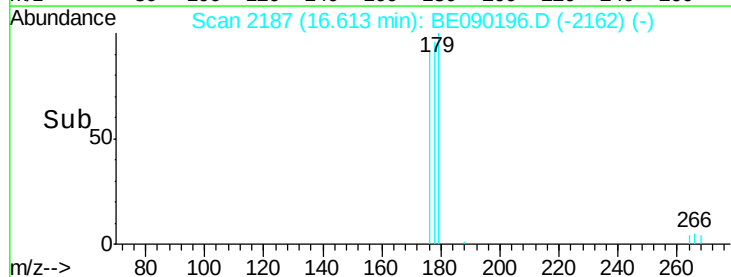
Abundance Ion 266.00 (265.70 to 266.70): E

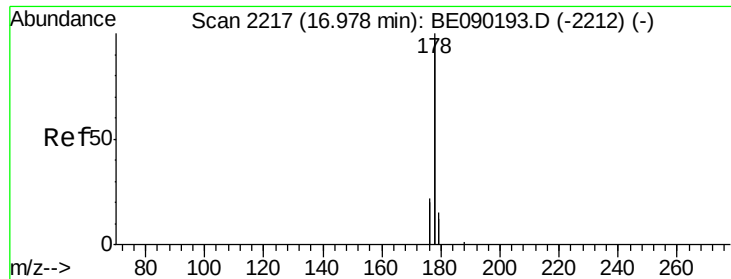
Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E



Time-->





#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

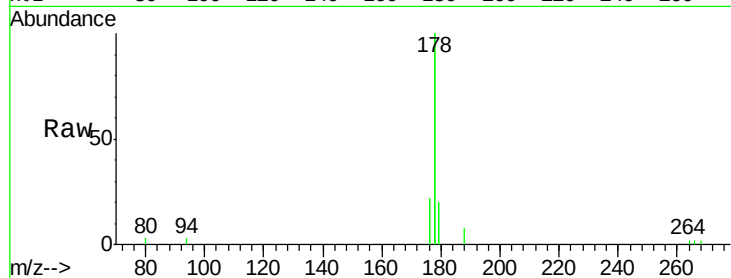
Tgt Ion:178 Resp: 7434

Ion Ratio Lower Upper

178 100

176 21.9 15.3 22.9

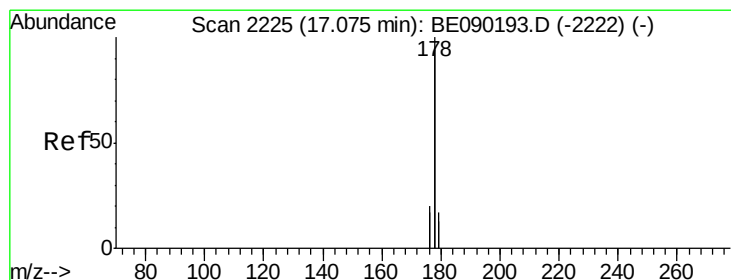
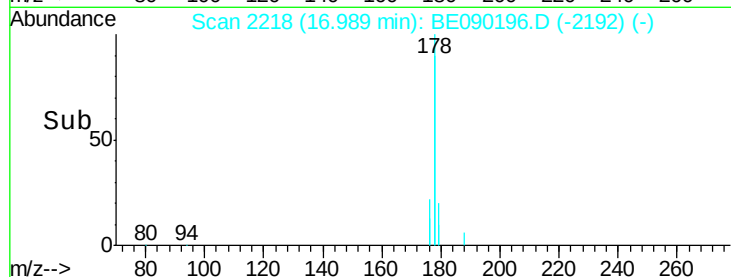
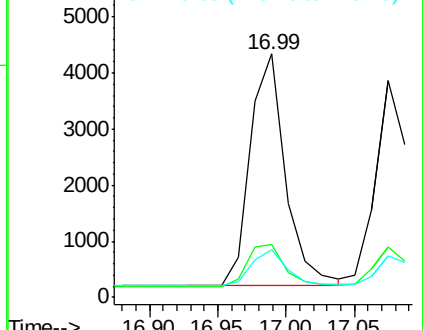
179 19.6 14.0 21.0



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: 0.11 ng/ul

RT: 17.07 min Scan# 2225

Delta R.T. -0.00 min

Lab File: BE090196.D

Acq: 21 Jul 2015 5:14

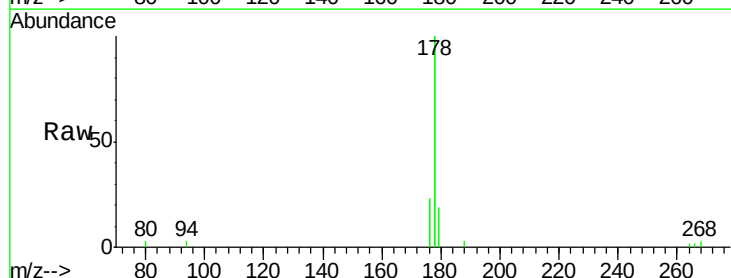
Tgt Ion:178 Resp: 7358

Ion Ratio Lower Upper

178 100

176 23.1 16.0 24.0

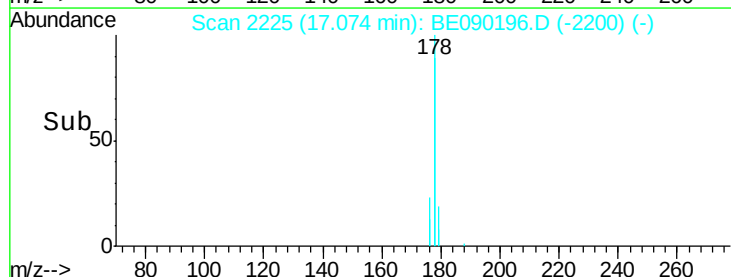
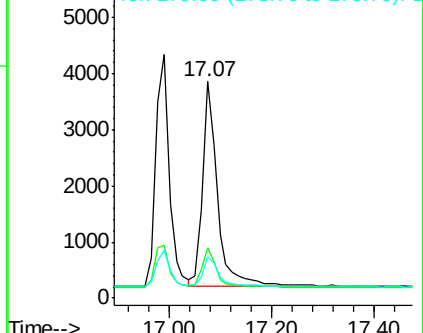
179 19.1 13.4 20.0

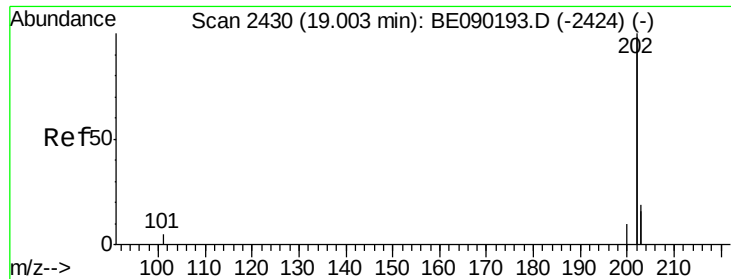


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

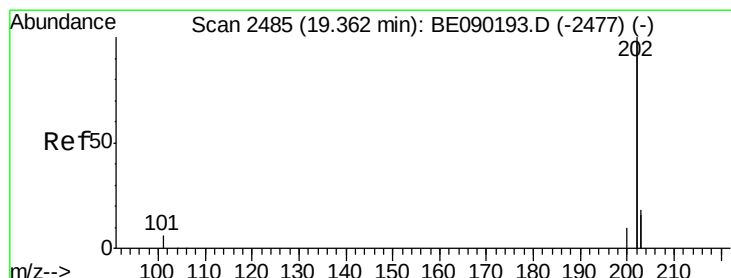
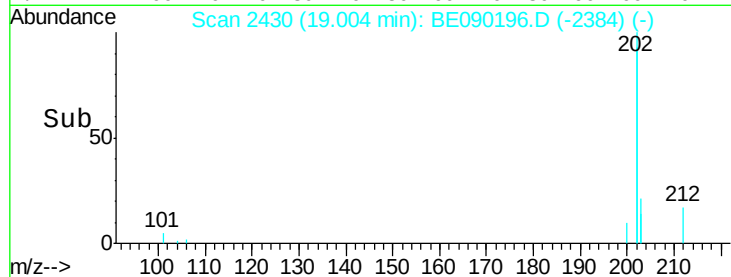
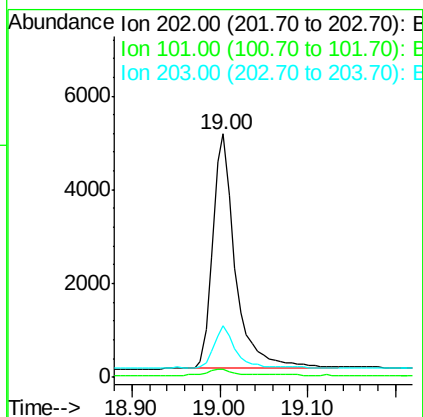
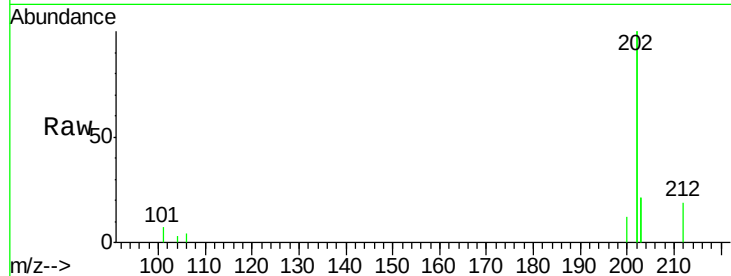




#15
Fluoranthene
 Concen: 0.11 ng/ul
 RT: 19.00 min Scan# 2430
 Delta R.T. 0.00 min
 Lab File: BE090196.D
 Acq: 21 Jul 2015 5:14

Tgt Ion: 202 Resp: 8944

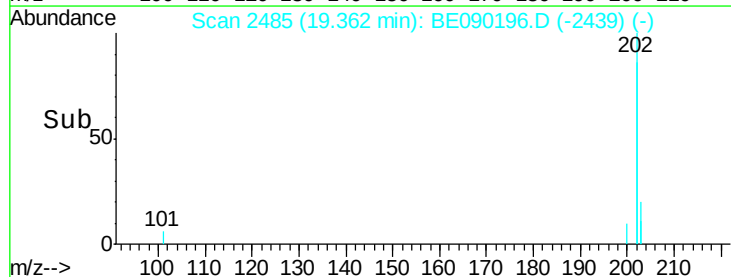
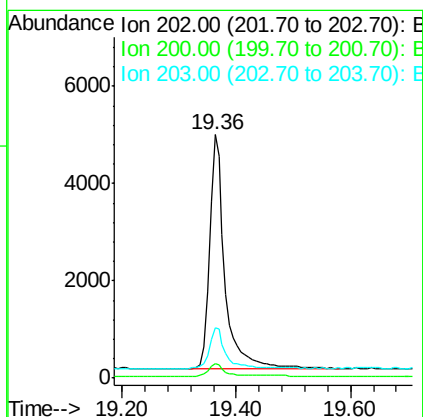
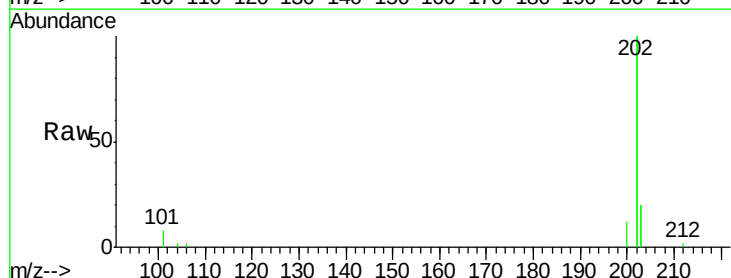
Ion	Ratio	Lower	Upper
202	100		
101	3.3	0.0	23.0
203	21.0	0.0	37.0

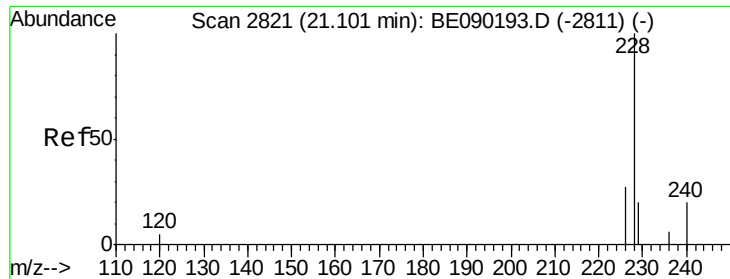


#17
Pyrene
 Concen: 0.16 ng/ul
 RT: 19.36 min Scan# 2485
 Delta R.T. 0.00 min
 Lab File: BE090196.D
 Acq: 21 Jul 2015 5:14

Tgt Ion: 202 Resp: 9159

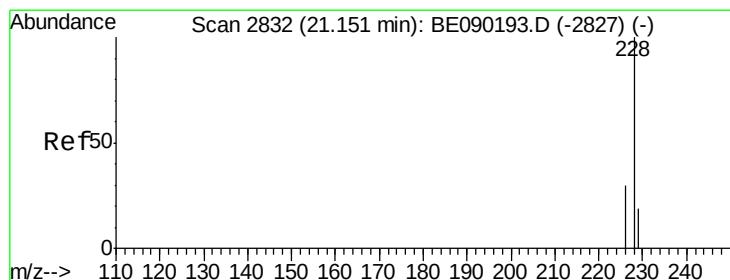
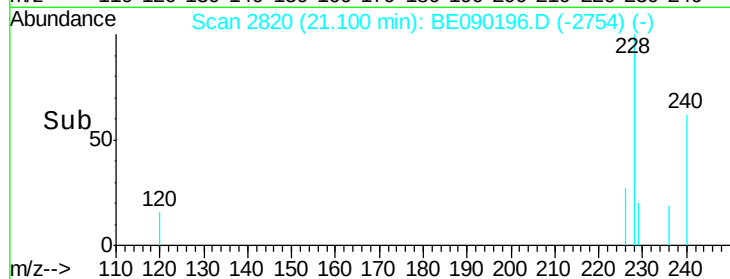
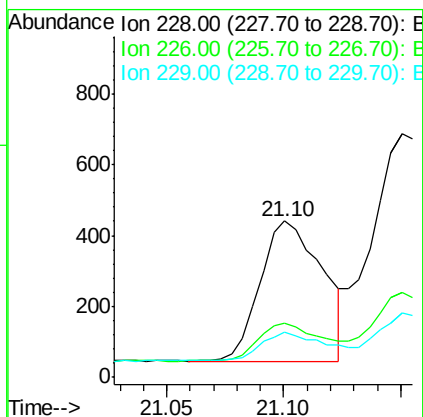
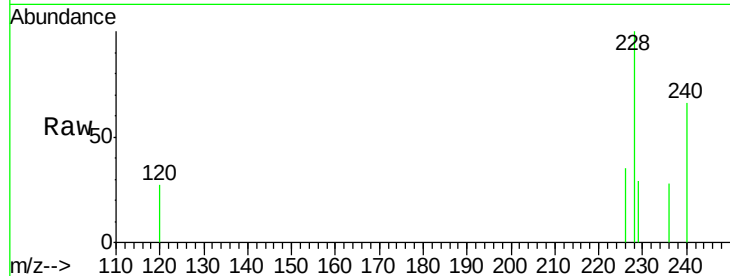
Ion	Ratio	Lower	Upper
202	100		
200	6.1	4.3	6.5
203	20.5	14.6	21.8





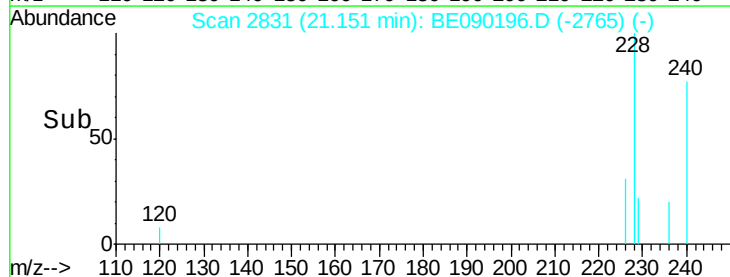
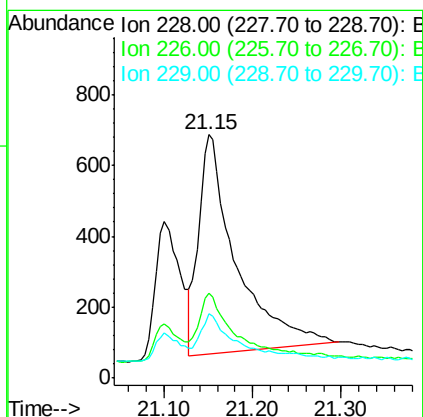
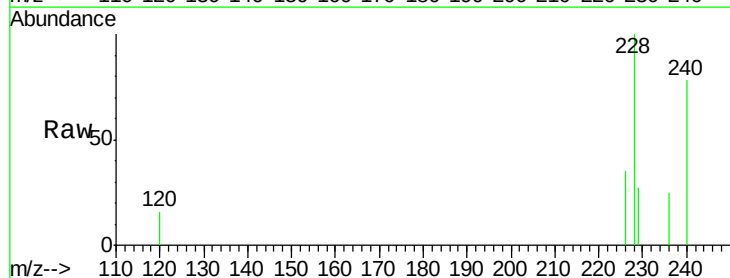
#18
Benzo(a)anthracene
Concen: 0.06 ng/ul
RT: 21.10 min Scan# 2820
Delta R.T. -0.00 min
Lab File: BE090196.D
Acq: 21 Jul 2015 5:14

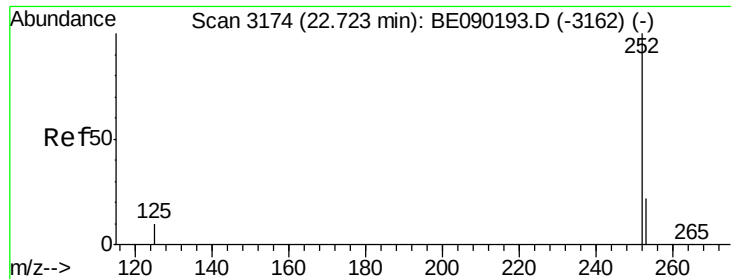
Tgt Ion:228 Resp: 734
Ion Ratio Lower Upper
228 100
226 34.5 22.2 33.4#
229 28.9 16.9 25.3#



#19
Chrysene
Concen: 0.13 ng/ul
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: 1838
Ion Ratio Lower Upper
228 100
226 35.1 24.3 36.5
229 26.6 16.6 24.8#





#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

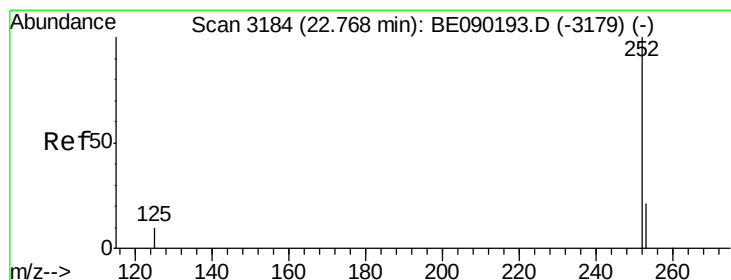
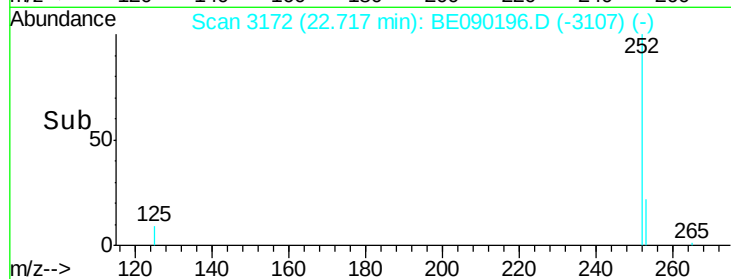
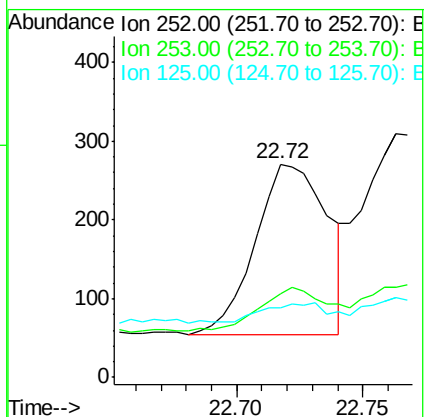
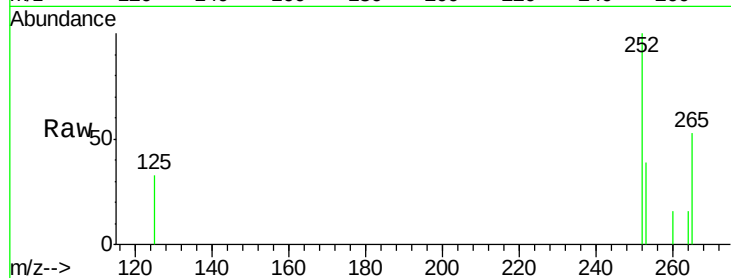
Tgt Ion: 252 Resp: 432

Ion Ratio Lower Upper

252 100

253 39.1 0.0 46.8

125 32.8 0.0 25.4#



#22

Benzo(k)fluoranthene

Concen: 0.06 ng/ul

RT: 22.76 min Scan# 3182

Delta R.T. -0.01 min

Lab File: BE090196.D

Acq: 21 Jul 2015 5:14

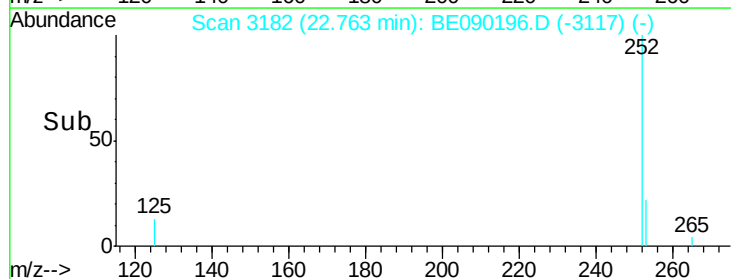
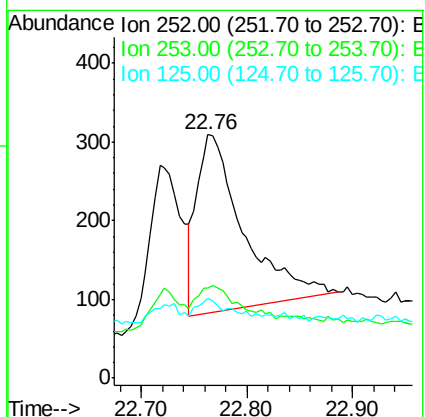
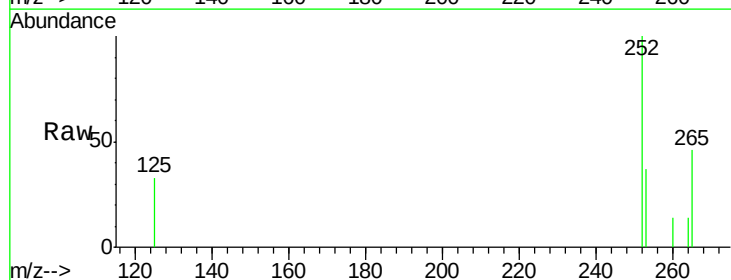
Tgt Ion: 252 Resp: 699

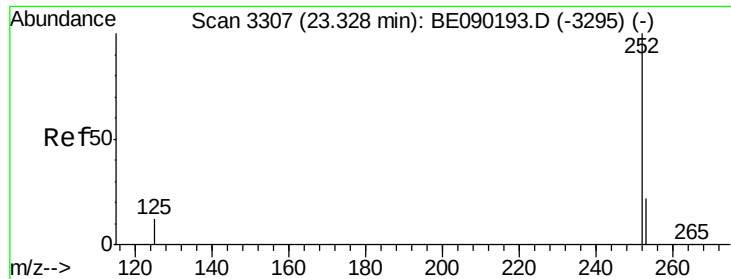
Ion Ratio Lower Upper

252 100

253 37.2 18.3 27.5#

125 33.0 9.8 14.8#





#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

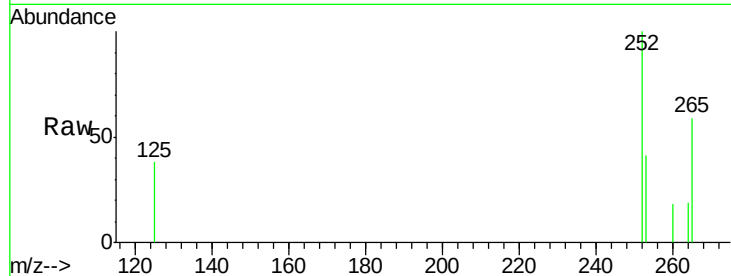
Tgt Ion: 252 Resp: 542

Ion Ratio Lower Upper

252 100

253 41.1 18.4 27.6#

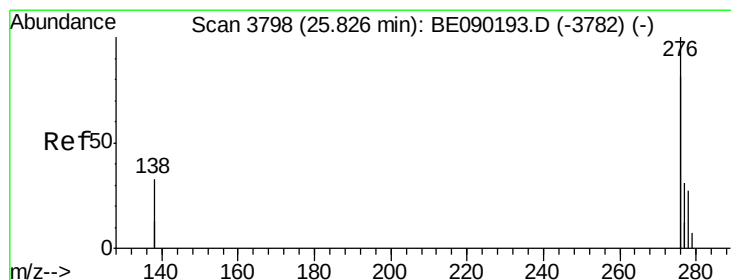
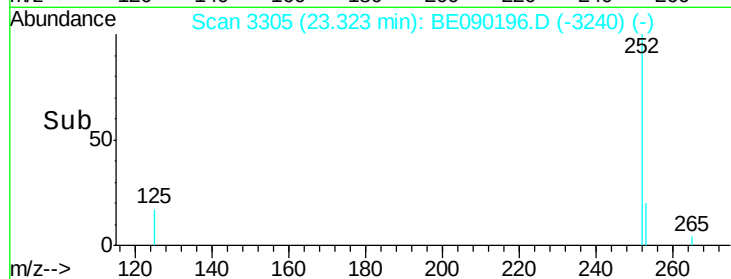
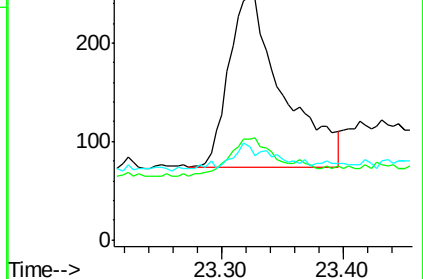
125 38.3 11.5 17.3#



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

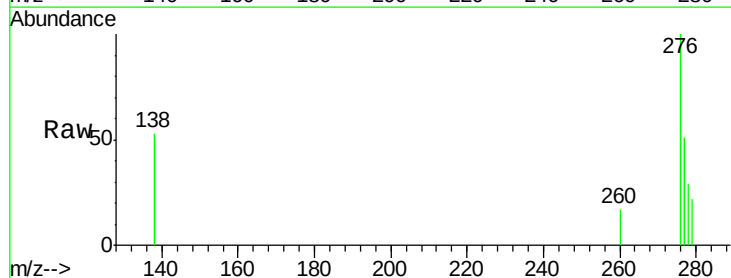
Tgt Ion: 276 Resp: 1507

Ion Ratio Lower Upper

276 100

138 24.1 19.8 29.8

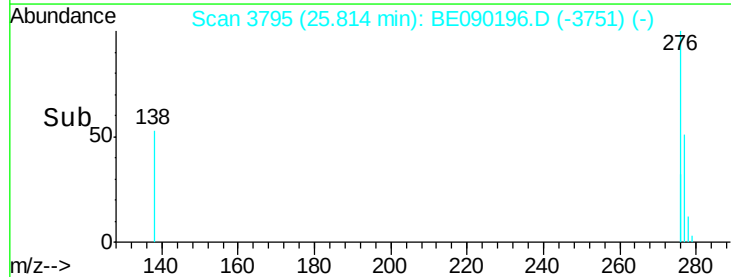
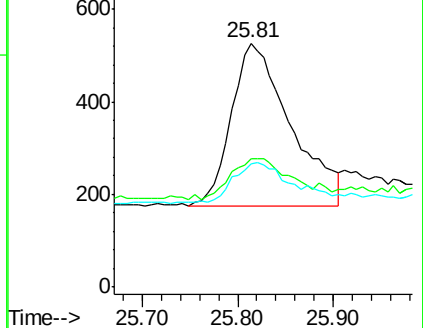
277 26.8 19.8 29.6

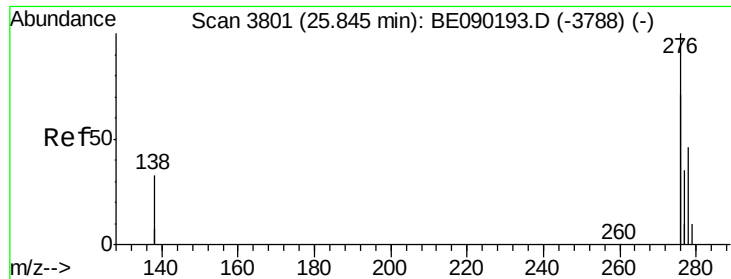


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

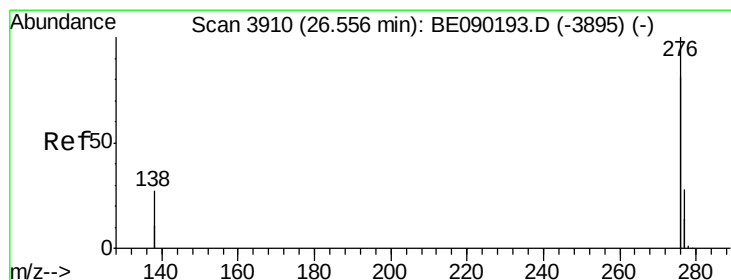
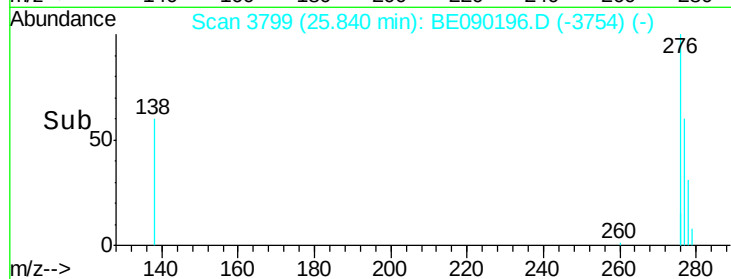
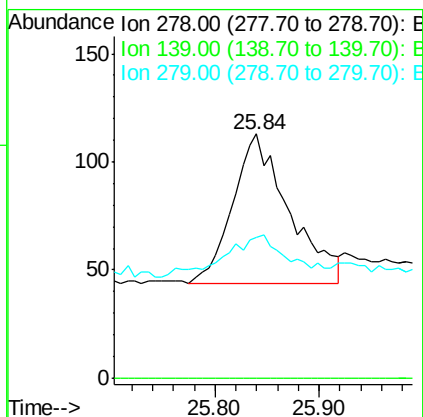
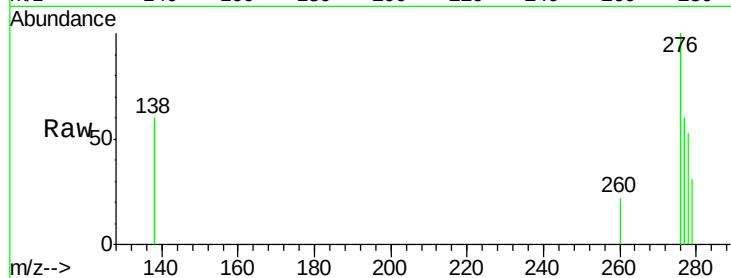




#25
Dibenzo(a,h)anthracene
Concen: 0.03 ng/ul
RT: 25.84 min Scan# 3799
Delta R.T. -0.01 min
Lab File: BE090196.D
Acq: 21 Jul 2015 5:14

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: 276 Resp: 2487

Ion	Ratio	Lower	Upper
276	100		
277	45.0	20.6	31.0#
138	44.7	19.3	28.9#

