

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE030415\
 Data File : BE089737.D
 Acq On : 5 Mar 2015 00:33
 Operator : TP/JJ
 Sample : MDL-07-W
 Misc : MDL-WATER-0.4PPM
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Mar 05 03:27:00 2015

Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM01.2-EPA-SIM-BE030315.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Thu Mar 05 00:14:14 2015

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.33	152	3855	0.40	ng/ul	0.00
4) Naphthalene-d8	12.24	136	15914	0.40	ng/ul	0.00
8) Acenaphthene-d10	16.40	164	6739	0.40	ng/ul	0.00
12) Phenanthrene-d10	19.76	188	11288	0.40	ng/ul	0.00
18) Chrysene-d12	23.65	240	4463	0.40	ng/ul	0.00
22) Perylene-d12	25.33	264	1836	0.40	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	2.64	96	9341	1.84	ng/uL	0.00
6) 2-Methylnaphthalene-d10	13.61	152	5	0.00	ng/ul	-0.26
16) Fluoranthene-d10	21.70	212	2	0.00	ng/ul	0.00

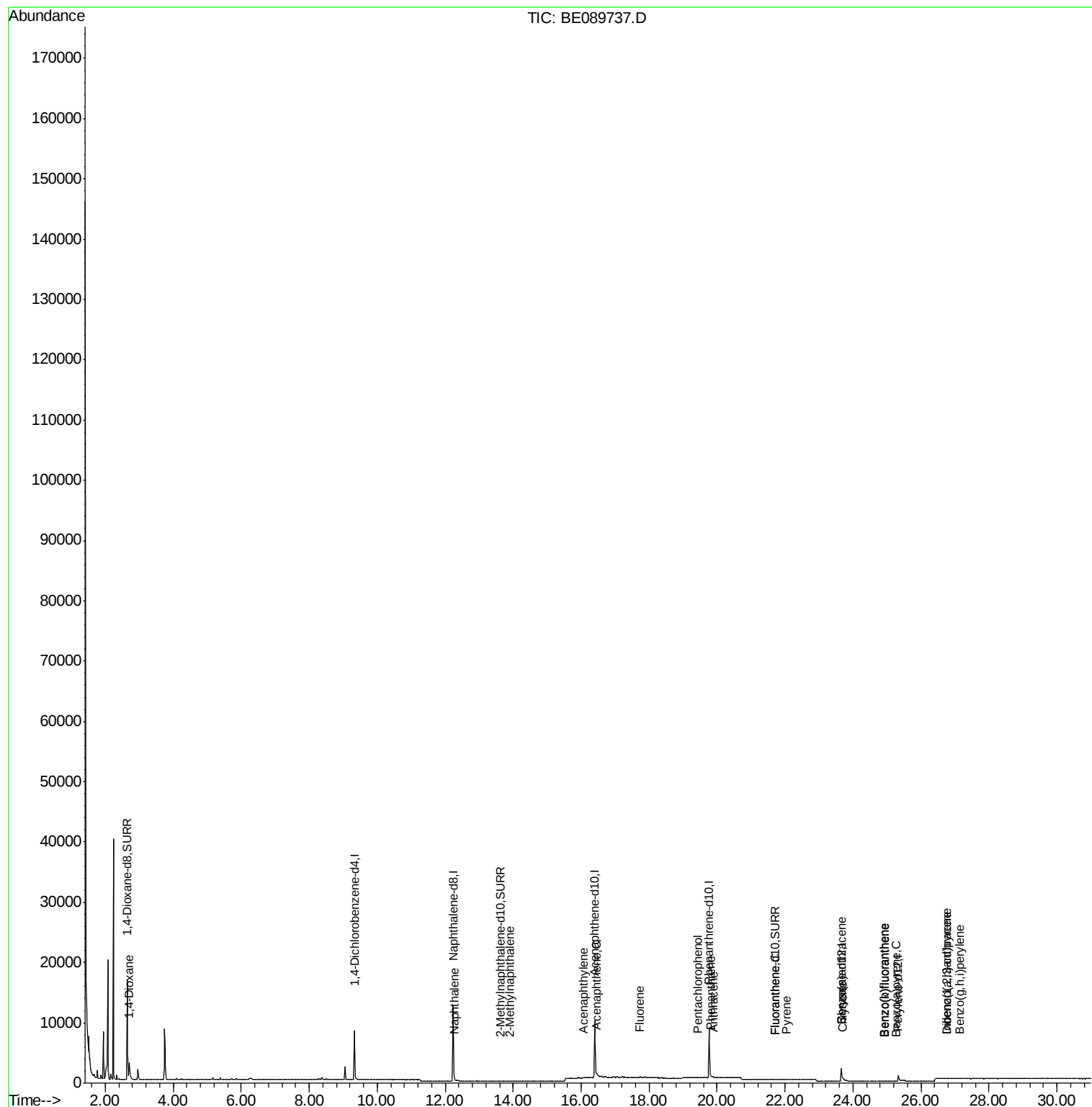
Target Compounds

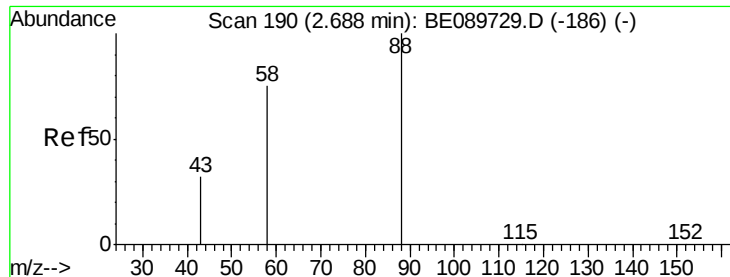
					Qvalue
3) 1,4-Dioxane	2.71	88	2165	0.37	ng/ul# 82
5) Naphthalene	12.27	128	11	0.00	ng/ul# 1
7) 2-Methylnaphthalene	13.90	142	2	0.00	ng/ul 83
9) Acenaphthylene	16.08	152	60	0.00	ng/ul# 1
10) Acenaphthene	16.46	153	334	0.00	ng/ul# 39
11) Fluorene	17.73	166	65	0.00	ng/ul# 47
13) Pentachlorophenol	19.43	266	8	0.02	ng/ul# 1
14) Phenanthrene	19.81	178	163	0.00	ng/ul# 1
15) Anthracene	19.89	178	41	0.00	ng/ul# 1
17) Fluoranthene	21.72	202	49	0.00	ng/ul# 1
19) Pyrene	22.04	202	59	0.00	ng/ul# 1
20) Benzo(a)anthracene	23.65	228	13	0.00	ng/ul# 1
21) Chrysene	23.69	228	11	0.00	ng/ul# 1
23) Benzo(b)fluoranthene	24.91	252	10	0.01	ng/ul# 1
24) Benzo(k)fluoranthene	24.94	252	3	0.00	ng/ul# 1
25) Benzo(a)pyrene	25.27	252	6	0.00	ng/ul# 1
26) Indeno(1,2,3-cd)pyrene	26.74	276	9	0.00	ng/ul# 4
27) Dibenzo(a,h)anthracene	26.74	278	1	0.00	ng/ul# 1
28) Benzo(g,h,i)perylene	27.15	276	24	0.00	ng/ul# 1

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

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ALS Vial : 12 Sample Multiplier: 1

Quant Time: Mar 05 03:27:00 2015
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM01.2-EPA-SIM-BE030315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 05 00:14:14 2015
Response via : Initial Calibration





#3

1,4-Dioxane

Concen: 0.37 ng/ul

RT: 2.71 min Scan# 193

Delta R.T. 0.02 min

Lab File: BE089737.D

Acq: 5 Mar 2015 00:33

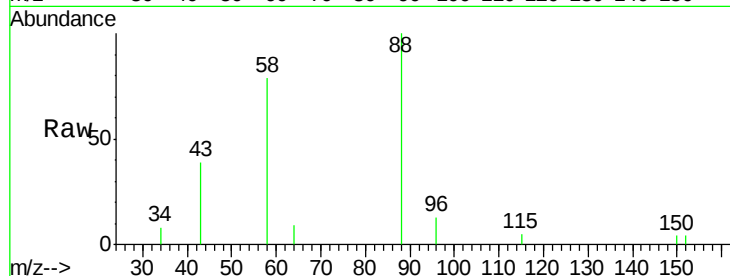
Tgt Ion: 88 Resp: 2165

Ion Ratio Lower Upper

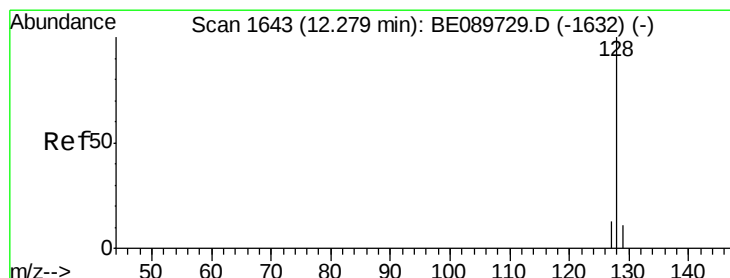
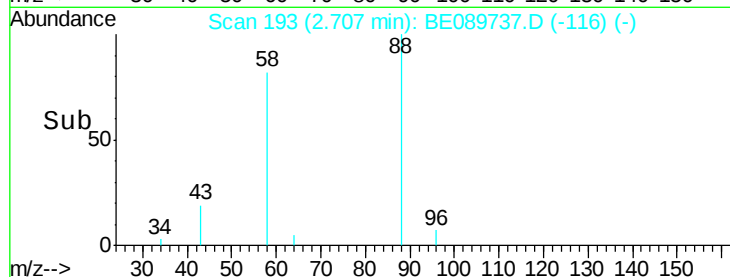
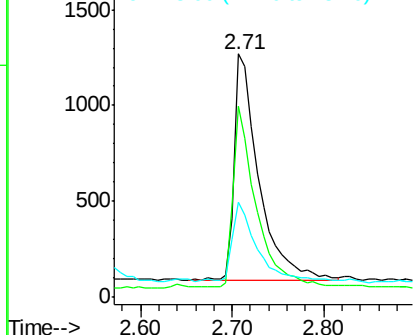
88 100

58 75.4 61.3 91.9

43 0.0 26.1 39.1#



Abundance Ion 88.00 (87.70 to 88.70): BE0
Ion 58.00 (57.70 to 58.70): BE0
Ion 43.00 (42.70 to 43.70): BE0



#5

Naphthalene

Concen: 0.00 ng/ul

RT: 12.27 min Scan# 1642

Delta R.T. -0.00 min

Lab File: BE089737.D

Acq: 5 Mar 2015 00:33

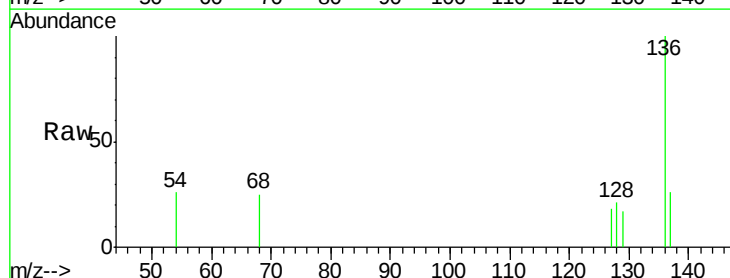
Tgt Ion: 128 Resp: 11

Ion Ratio Lower Upper

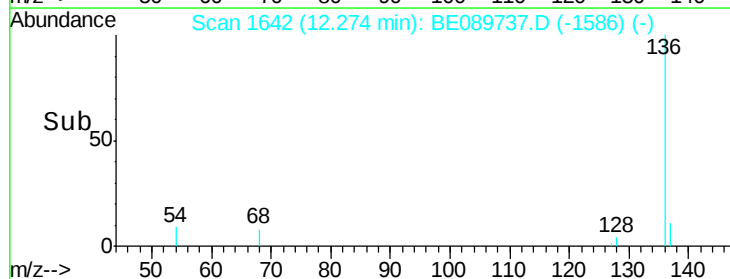
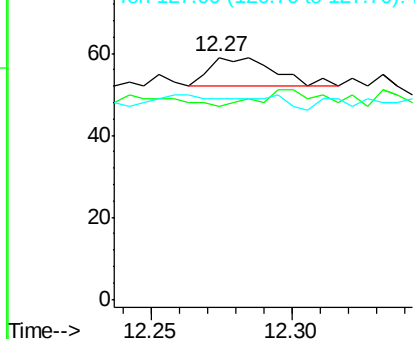
128 100

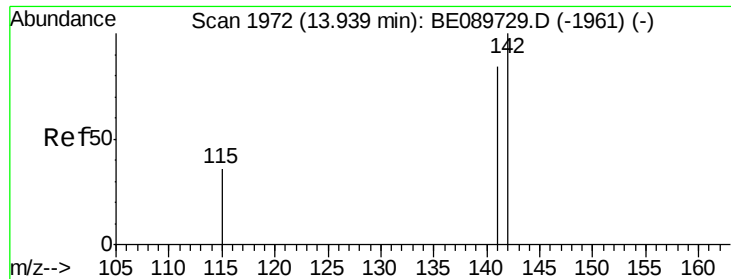
129 79.7 9.0 13.6#

127 83.1 10.2 15.4#



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





#7

2-Methylnaphthalene

Concen: 0.00 ng/ul

RT: 13.90 min Scan# 1964

Delta R.T. -0.04 min

Lab File: BE089737.D

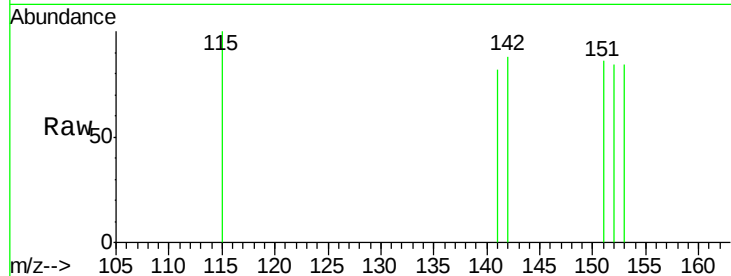
Acq: 5 Mar 2015 00:33

Tgt Ion:142 Resp: 2

Ion Ratio Lower Upper

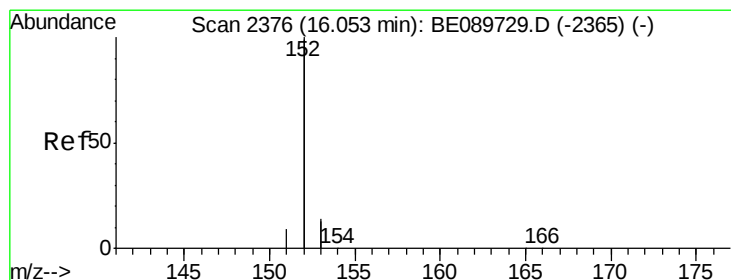
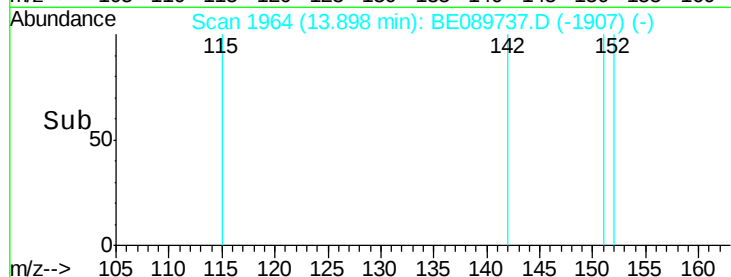
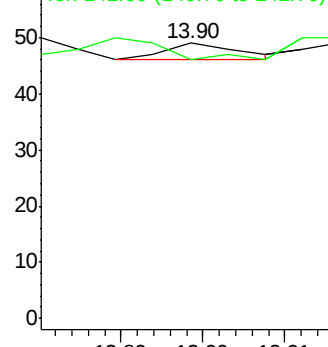
142 100

141 100.0 67.4 101.0



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



#9

Acenaphthylene

Concen: 0.00 ng/ul

RT: 16.08 min Scan# 2380

Delta R.T. 0.03 min

Lab File: BE089737.D

Acq: 5 Mar 2015 00:33

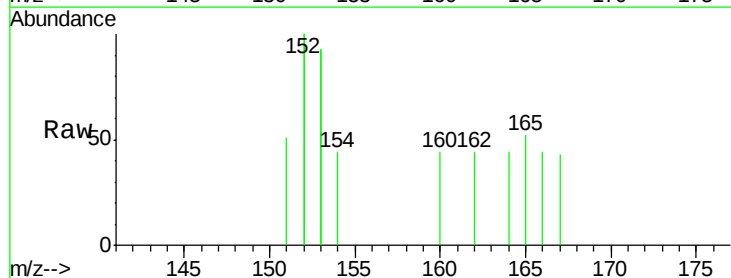
Tgt Ion:152 Resp: 60

Ion Ratio Lower Upper

152 100

151 25.6 3.8 5.8#

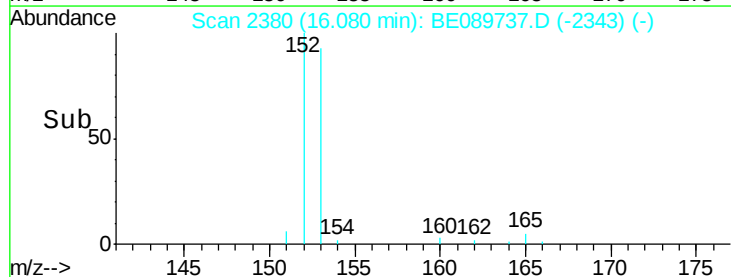
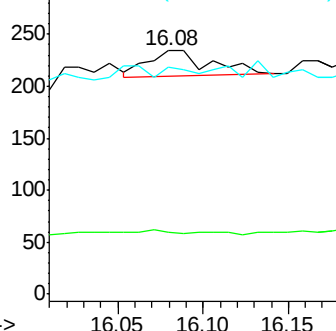
153 93.2 11.4 17.0#

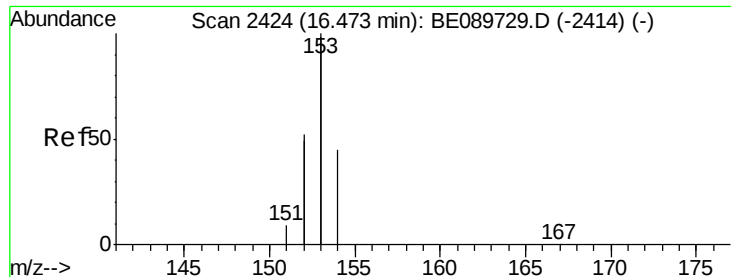


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#10

Acenaphthene

Concen: 0.00 ng/ul

RT: 16.46 min Scan# 2423

Delta R.T. -0.02 min

Lab File: BE089737.D

Acq: 5 Mar 2015 00:33

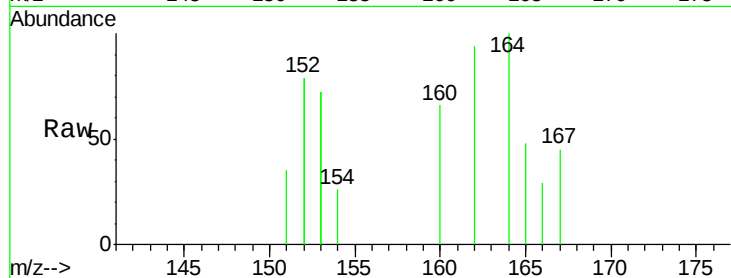
Tgt Ion:153 Resp: 334

Ion Ratio Lower Upper

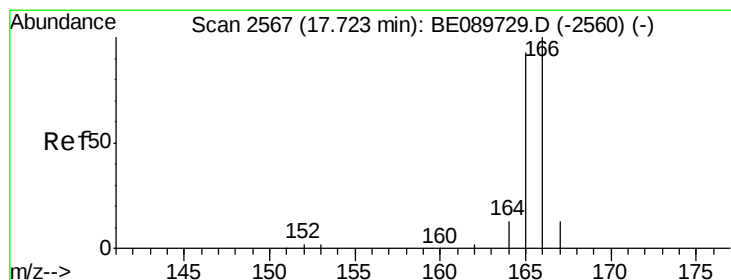
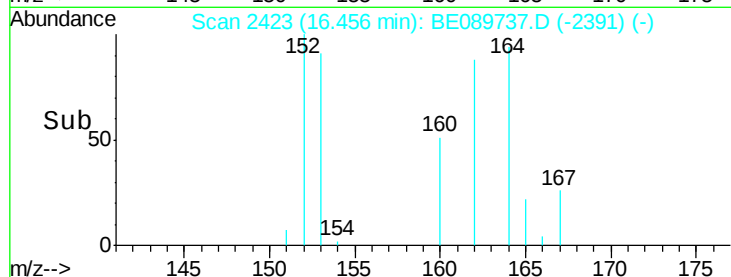
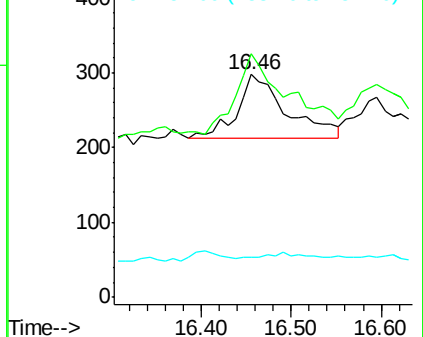
153 100

152 109.4 41.2 61.8#

154 17.8 18.2 27.2#



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



#11

Fluorene

Concen: 0.00 ng/ul

RT: 17.73 min Scan# 2569

Delta R.T. 0.01 min

Lab File: BE089737.D

Acq: 5 Mar 2015 00:33

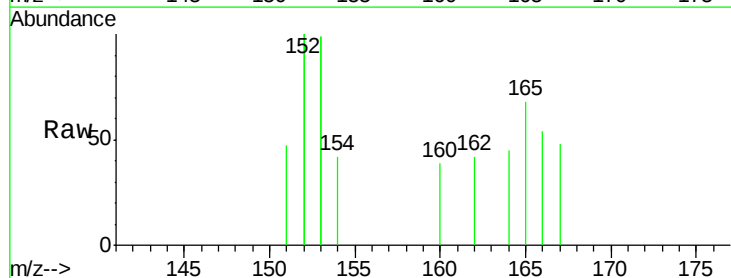
Tgt Ion:166 Resp: 65

Ion Ratio Lower Upper

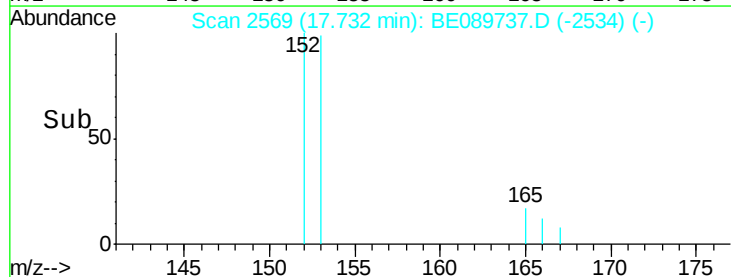
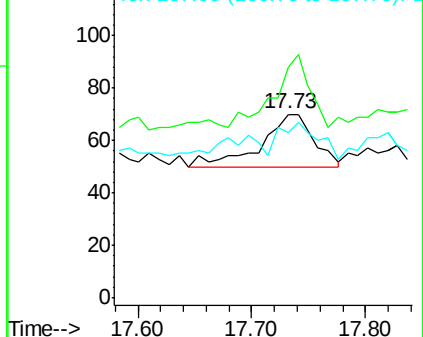
166 100

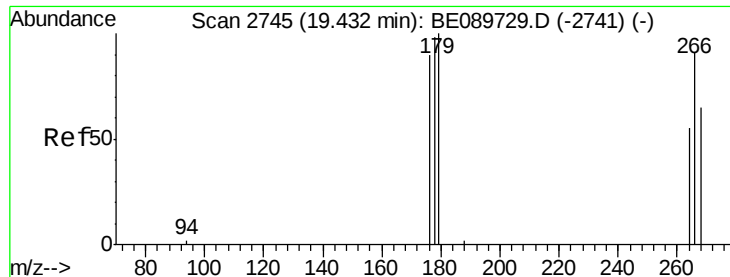
165 125.7 74.9 112.3#

167 90.0 11.5 17.3#



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

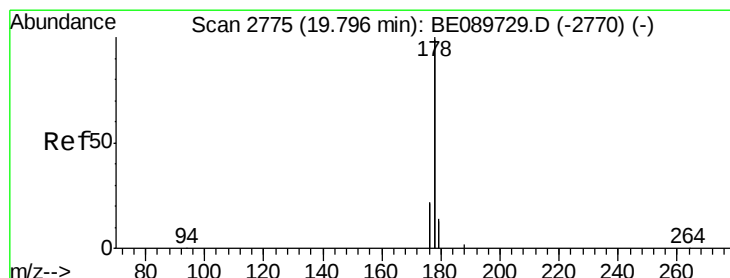
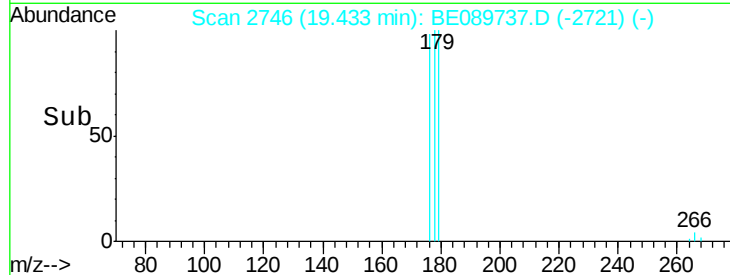
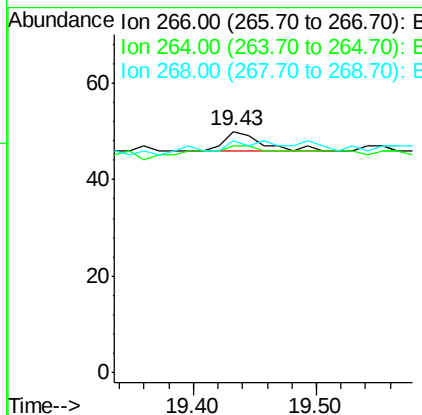
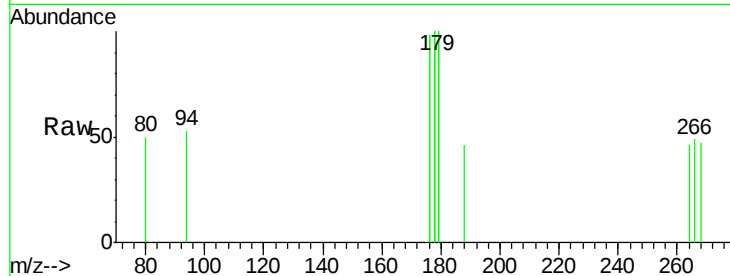




#13
 Pentachlorophenol
 Concen: 0.02 ng/ul
 RT: 19.43 min Scan# 2746
 Delta R.T. 0.00 min
 Lab File: BE089737.D
 Acq: 5 Mar 2015 00:33

Tgt Ion: 266 Resp: 8

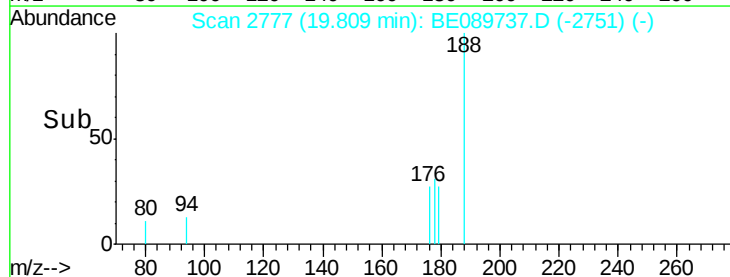
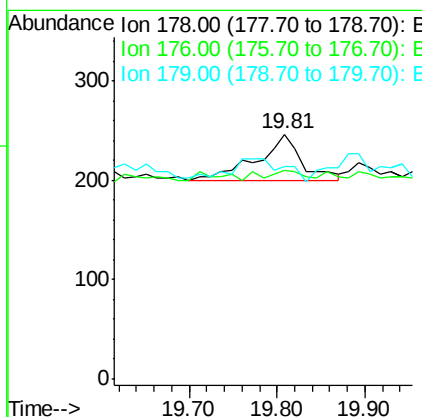
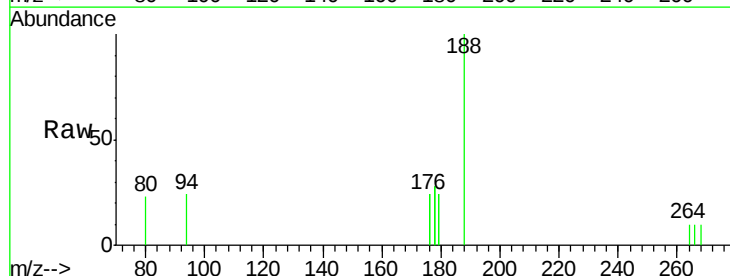
Ion	Ratio	Lower	Upper
266	100		
264	262.5	49.4	74.2#
268	62.5	47.9	71.9

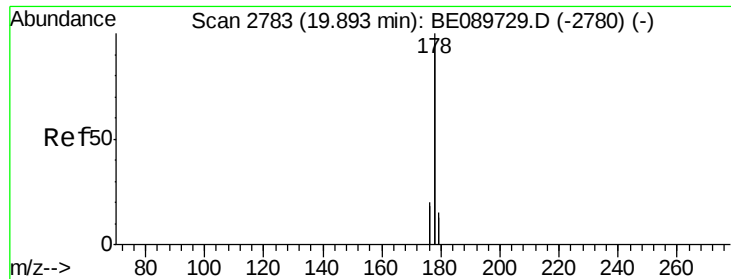


#14
 Phenanthrene
 Concen: 0.00 ng/ul
 RT: 19.81 min Scan# 2777
 Delta R.T. 0.01 min
 Lab File: BE089737.D
 Acq: 5 Mar 2015 00:33

Tgt Ion: 178 Resp: 163

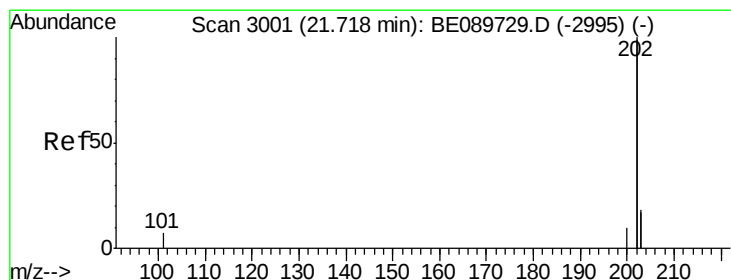
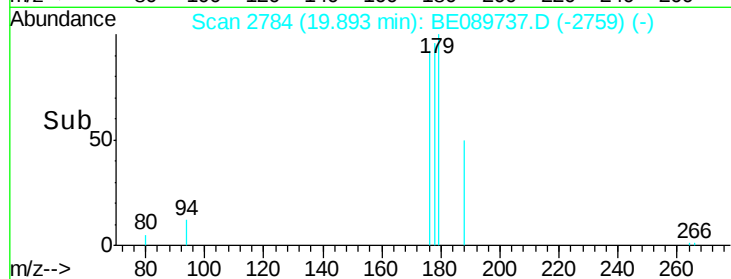
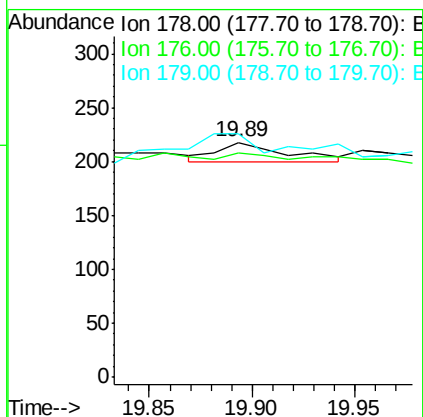
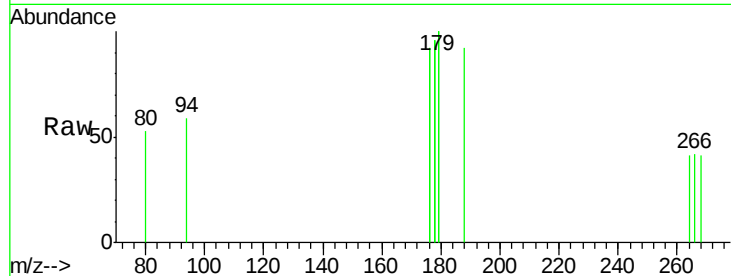
Ion	Ratio	Lower	Upper
178	100		
176	85.4	17.6	26.4#
179	87.0	11.6	17.4#





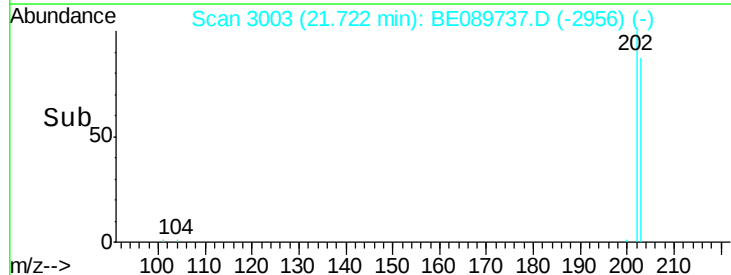
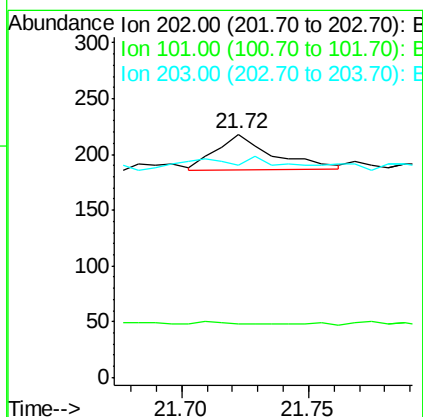
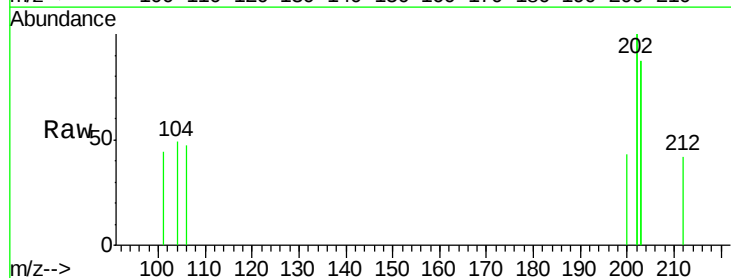
#15
 Anthracene
 Concen: 0.00 ng/ul
 RT: 19.89 min Scan# 2784
 Delta R.T. 0.00 min
 Lab File: BE089737.D
 Acq: 5 Mar 2015 00:33

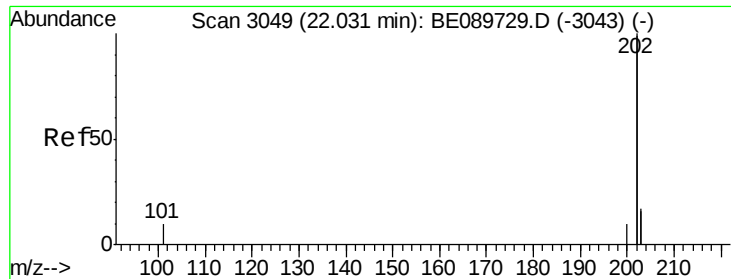
Tgt Ion:178 Resp: 41
 Ion Ratio Lower Upper
 178 100
 176 95.4 15.8 23.6#
 179 103.7 12.0 18.0#



#17
 Fluoranthene
 Concen: 0.00 ng/ul
 RT: 21.72 min Scan# 3003
 Delta R.T. 0.00 min
 Lab File: BE089737.D
 Acq: 5 Mar 2015 00:33

Tgt Ion:202 Resp: 49
 Ion Ratio Lower Upper
 202 100
 101 22.0 0.0 24.2
 203 87.2 0.0 37.0#





#19

Pyrene

Concen: 0.00 ng/ul

RT: 22.04 min Scan# 3051

Delta R.T. 0.00 min

Lab File: BE089737.D

Acq: 5 Mar 2015 00:33

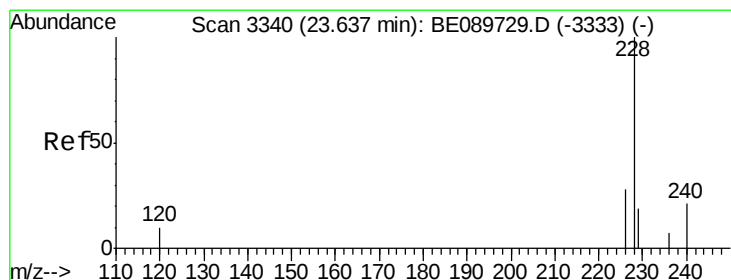
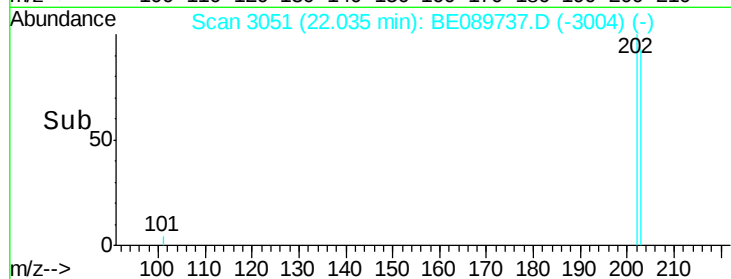
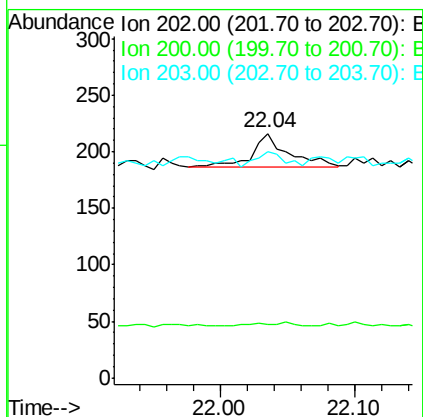
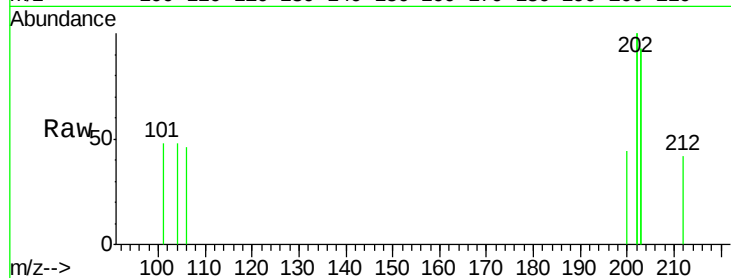
Tgt Ion:202 Resp: 59

Ion Ratio Lower Upper

202 100

200 21.8 4.4 6.6#

203 92.6 13.6 20.4#



#20

Benzo(a)anthracene

Concen: 0.00 ng/ul

RT: 23.65 min Scan# 3344

Delta R.T. 0.01 min

Lab File: BE089737.D

Acq: 5 Mar 2015 00:33

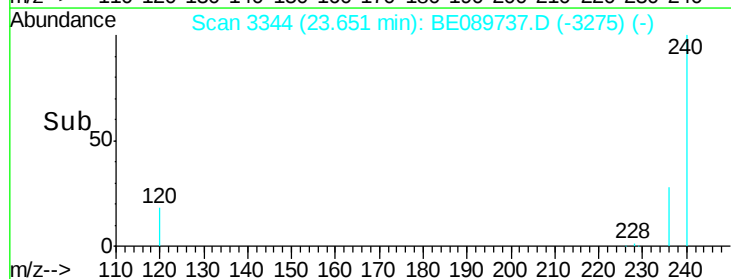
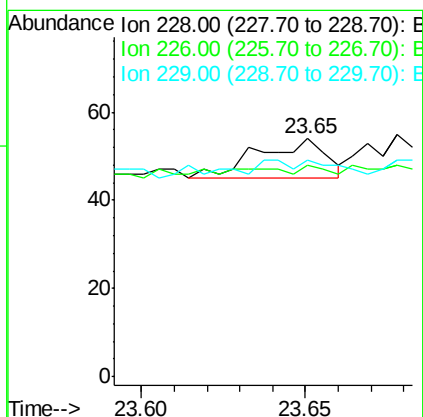
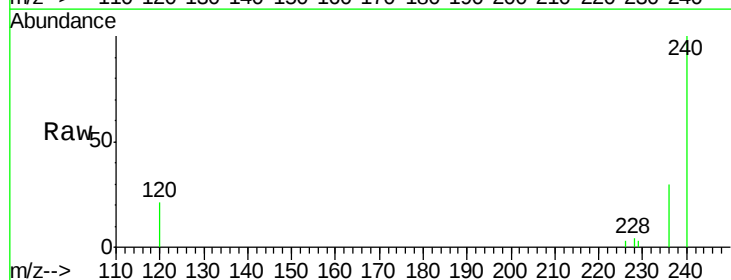
Tgt Ion:228 Resp: 13

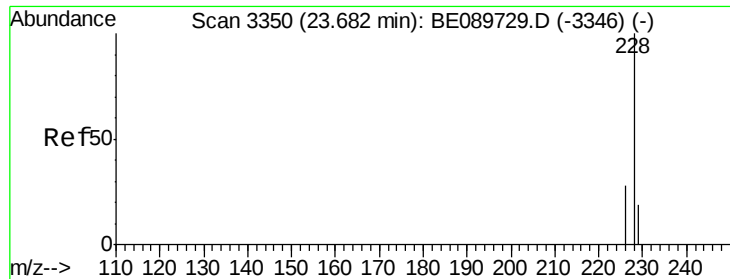
Ion Ratio Lower Upper

228 100

226 88.9 22.8 34.2#

229 90.7 16.2 24.2#





#21

Chrysene

Concen: 0.00 ng/ul

RT: 23.69 min Scan# 3352

Delta R.T. 0.01 min

Lab File: BE089737.D

Acq: 5 Mar 2015 00:33

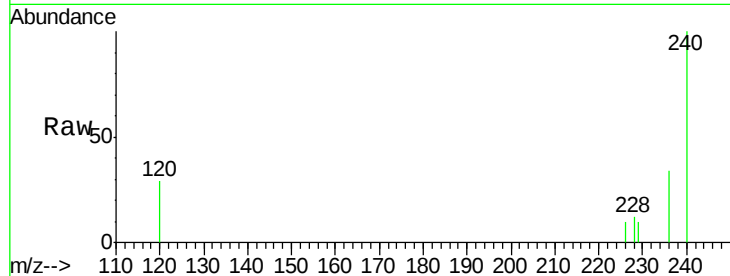
Tgt Ion:228 Resp: 11

Ion Ratio Lower Upper

228 100

226 87.5 23.7 35.5#

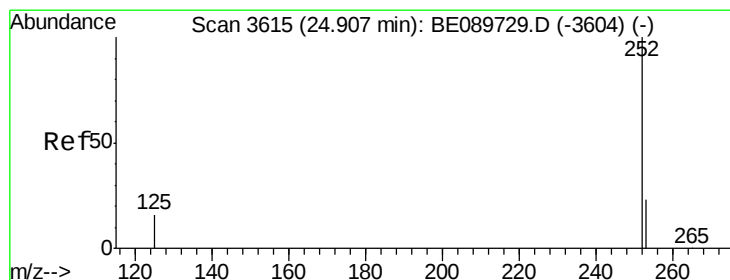
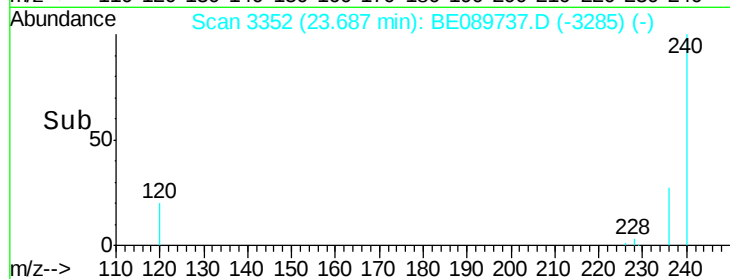
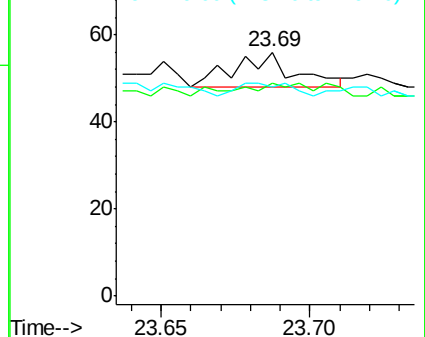
229 85.7 15.5 23.3#



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



#23

Benzo(b)fluoranthene

Concen: 0.01 ng/ul

RT: 24.91 min Scan# 3617

Delta R.T. 0.00 min

Lab File: BE089737.D

Acq: 5 Mar 2015 00:33

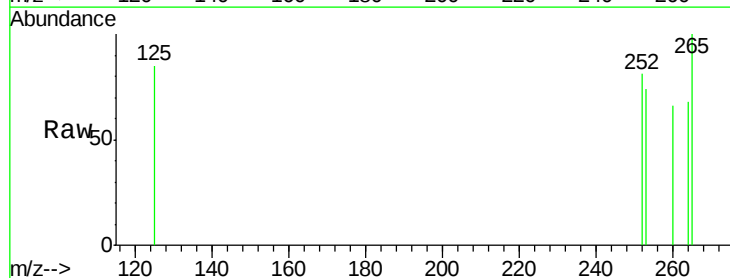
Tgt Ion:252 Resp: 10

Ion Ratio Lower Upper

252 100

253 90.9 0.0 47.0#

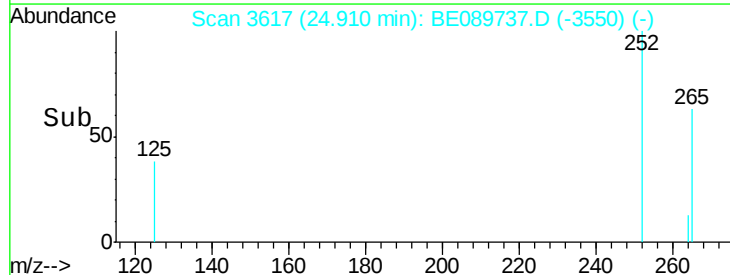
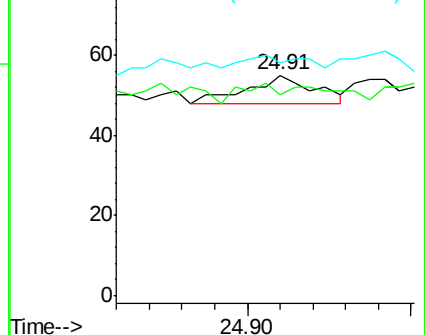
125 105.5 0.0 37.8#

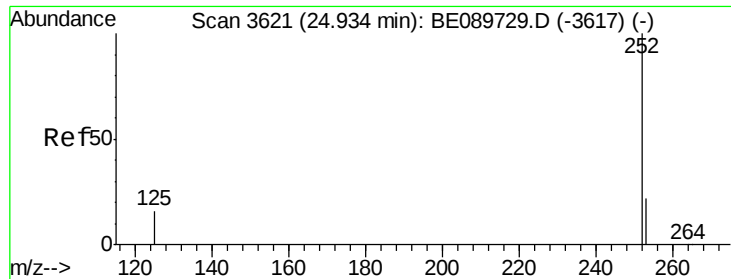


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

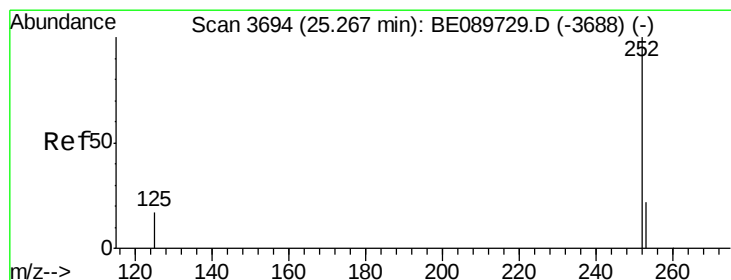
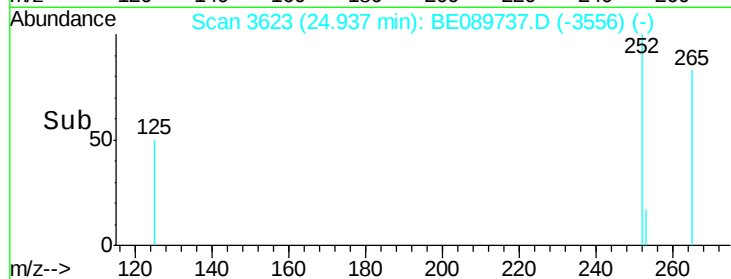
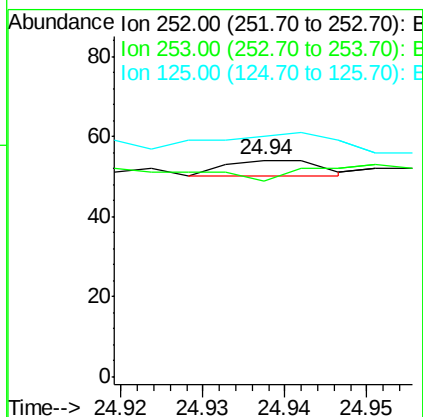
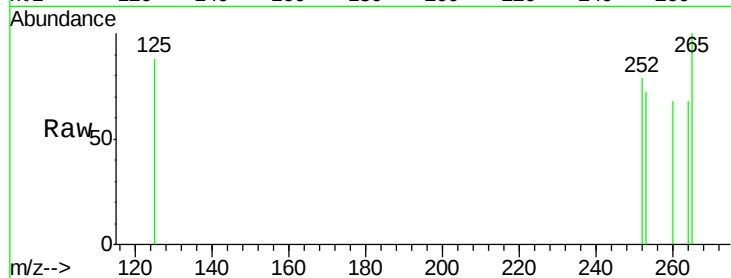
Ion 125.00 (124.70 to 125.70): E





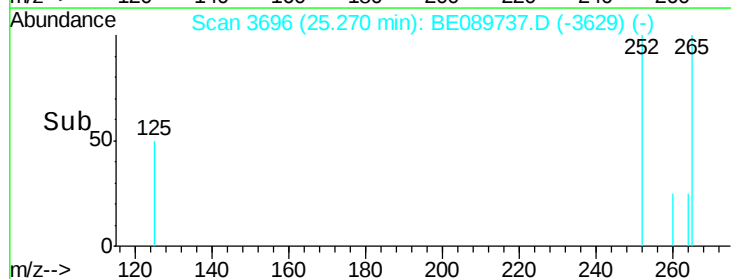
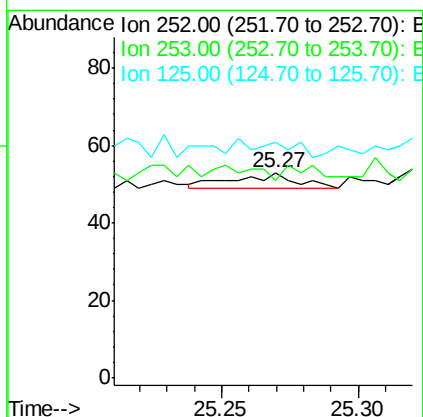
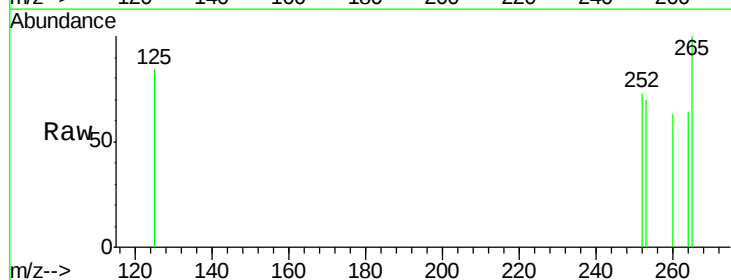
#24
Benzo(k)fluoranthene
Concen: 0.00 ng/ul
RT: 24.94 min Scan# 3623
Delta R.T. 0.00 min
Lab File: BE089737.D
Acq: 5 Mar 2015 00:33

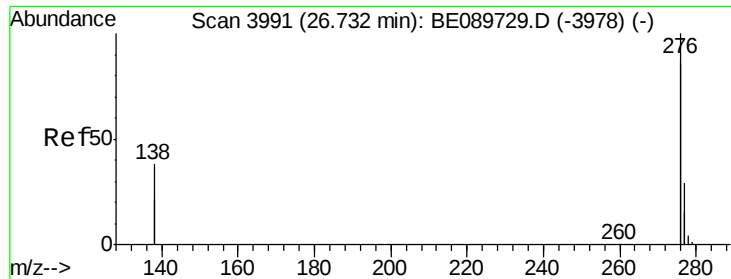
Tgt Ion: 252 Resp: 3
Ion Ratio Lower Upper
252 100
253 90.7 18.2 27.4#
125 111.1 14.6 22.0#



#25
Benzo(a)pyrene
Concen: 0.00 ng/ul
RT: 25.27 min Scan# 3696
Delta R.T. 0.00 min
Lab File: BE089737.D
Acq: 5 Mar 2015 00:33

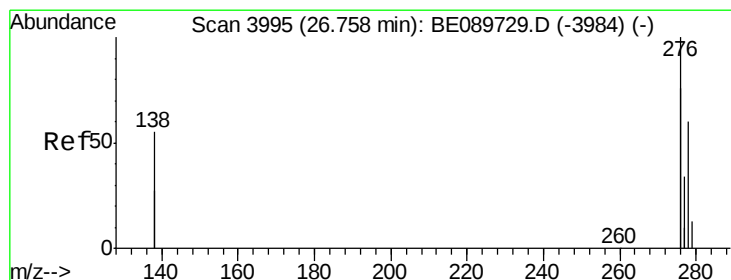
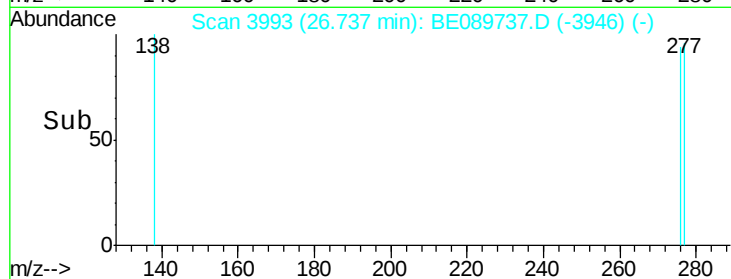
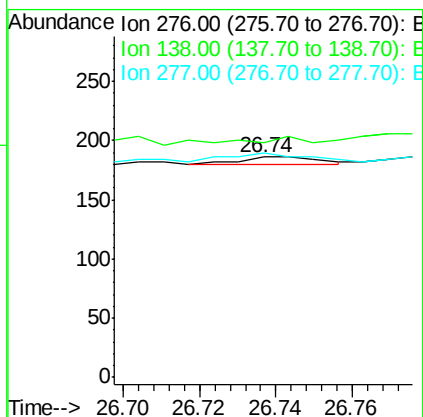
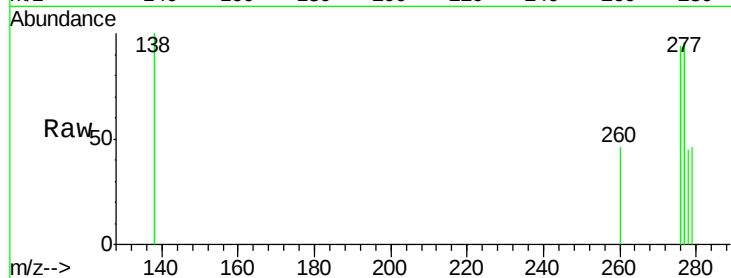
Tgt Ion: 252 Resp: 6
Ion Ratio Lower Upper
252 100
253 96.2 19.8 29.6#
125 115.1 16.0 24.0#





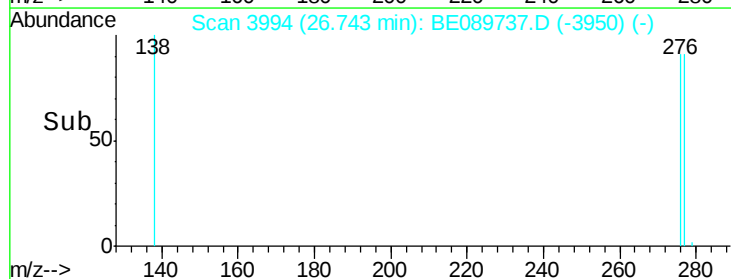
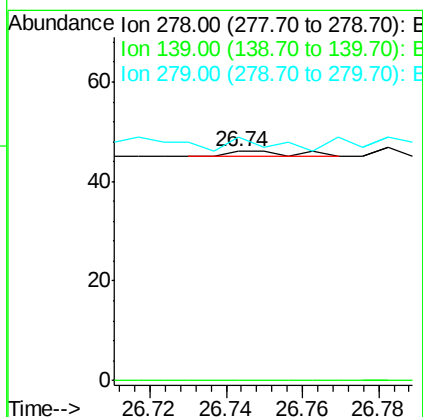
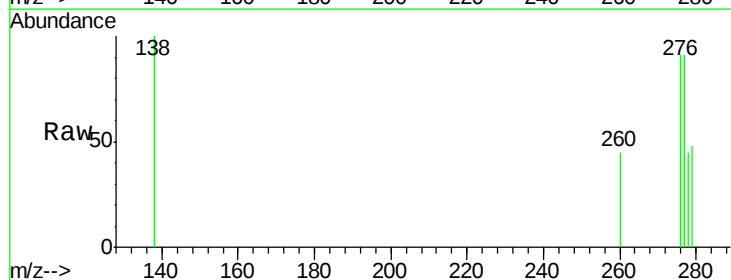
#26
 Indeno(1,2,3-cd)pyrene
 Concen: 0.00 ng/ul
 RT: 26.74 min Scan# 3993
 Delta R.T. 0.01 min
 Lab File: BE089737.D
 Acq: 5 Mar 2015 00:33

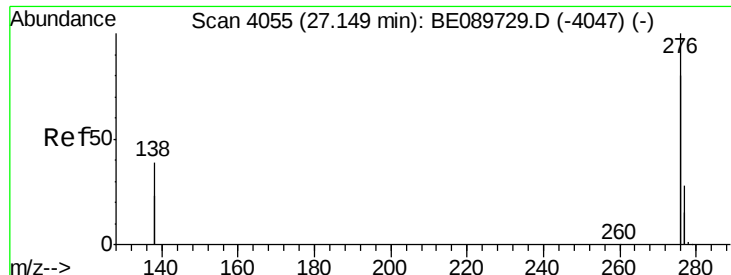
Tgt Ion: 276 Resp: 9
 Ion Ratio Lower Upper
 276 100
 138 33.3 36.8 55.2#
 277 144.4 20.6 31.0#



#27
 Dibenzo(a,h)anthracene
 Concen: 0.00 ng/ul
 RT: 26.74 min Scan# 3994
 Delta R.T. -0.01 min
 Lab File: BE089737.D
 Acq: 5 Mar 2015 00:33

Tgt Ion: 278 Resp: 1
 Ion Ratio Lower Upper
 278 100
 139 0.0 0.0 0.0
 279 106.5 25.4 38.2#





#28

Benzo(g,h,i)perylene

Concen: 0.00 ng/ul

RT: 27.15 min Scan# 4057

Delta R.T. 0.01 min

Lab File: BE089737.D

Acq: 5 Mar 2015 00:33

Tgt Ion: 276 Resp: 24

Ion Ratio Lower Upper

276 100

277 94.8 21.4 32.2#

138 103.1 31.4 47.0#

