

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE030415\
 Data File : BE089730.D
 Acq On : 4 Mar 2015 19:58
 Operator : TP/JJ
 Sample : MDL-W-BLK
 Misc : MDL-WATER-BLK
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 05 00:23:29 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 00:14:06 2015

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.33	152	3853	0.40	ng/ul	0.00
4) Naphthalene-d8	12.24	136	15901	0.40	ng/ul	0.00
8) Acenaphthene-d10	16.40	164	6885	0.40	ng/ul	0.00
12) Phenanthrene-d10	19.76	188	12008	0.40	ng/ul	0.00
18) Chrysene-d12	23.65	240	5452	0.40	ng/ul	0.00
22) Perylene-d12	25.33	264	2468	0.40	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	2.64	96	10897	2.15	ng/uL	0.00
6) 2-Methylnaphthalene-d10	13.87	152	103	0.01	ng/ul	0.00
16) Fluoranthene-d10	21.70	212	137	0.01	ng/ul	0.00

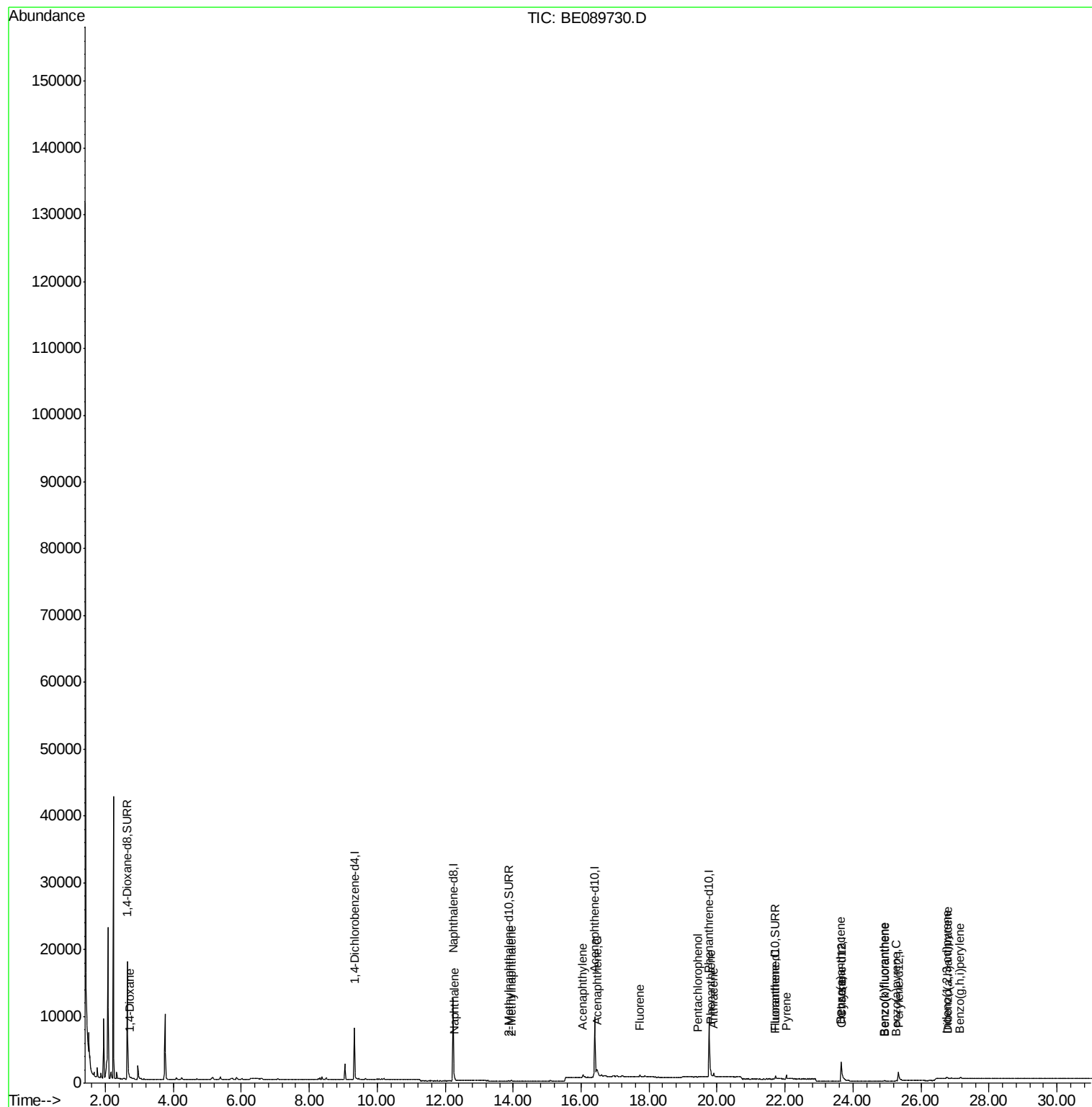
Target Compounds

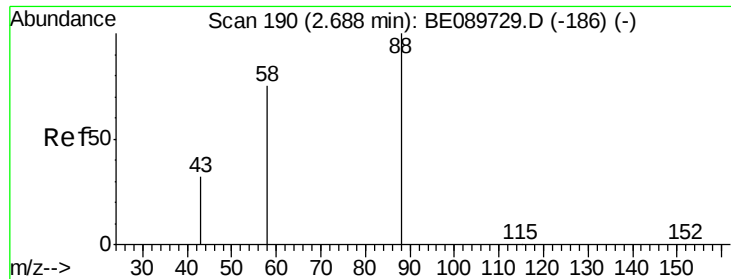
					Qvalue
3) 1,4-Dioxane	2.74	88	131	0.02	ng/ul# 77
5) Naphthalene	12.28	128	215	0.01	ng/ul# 36
7) 2-Methylnaphthalene	13.95	142	138	0.01	ng/ul 100
9) Acenaphthylene	16.05	152	854	0.01	ng/ul# 33
10) Acenaphthene	16.47	153	948	0.01	ng/ul# 65
11) Fluorene	17.73	166	208	0.01	ng/ul# 71
13) Pentachlorophenol	19.44	266	15	0.03	ng/ul# 48
14) Phenanthrene	19.81	178	1154	0.01	ng/ul# 57
15) Anthracene	19.91	178	661	0.01	ng/ul# 26
17) Fluoranthene	21.72	202	743	0.01	ng/ul# 45
19) Pyrene	22.04	202	810	0.01	ng/ul# 54
20) Benzo(a)anthracene	23.64	228	75	0.01	ng/ul# 24
21) Chrysene	23.68	228	147	0.01	ng/ul# 37
23) Benzo(b)fluoranthene	24.91	252	43	0.02	ng/ul# 1
24) Benzo(k)fluoranthene	24.94	252	49	0.01	ng/ul# 1
25) Benzo(a)pyrene	25.27	252	37	0.01	ng/ul# 1
26) Indeno(1,2,3-cd)pyrene	26.74	276	271	0.02	ng/ul# 83
27) Dibenzo(a,h)anthracene	26.78	278	55	0.03	ng/ul# 17
28) Benzo(g,h,i)perylene	27.15	276	206	0.01	ng/ul# 12

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

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Quant Time: Mar 05 00:23:29 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 00:14:06 2015
Response via : Initial Calibration





#3

1,4-Dioxane

Concen: 0.02 ng/ul

RT: 2.74 min Scan# 197

Delta R.T. 0.05 min

Lab File: BE089730.D

Acq: 4 Mar 2015 19:58

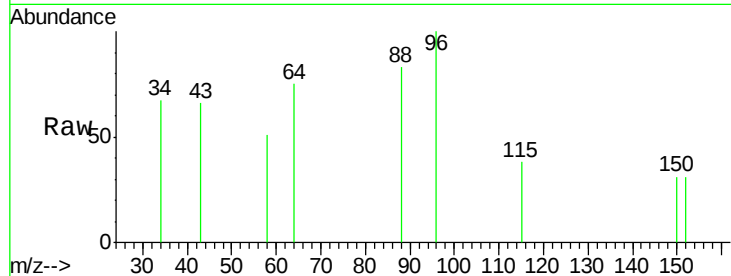
Tgt Ion: 88 Resp: 131

Ion Ratio Lower Upper

88 100

58 69.5 61.3 91.9

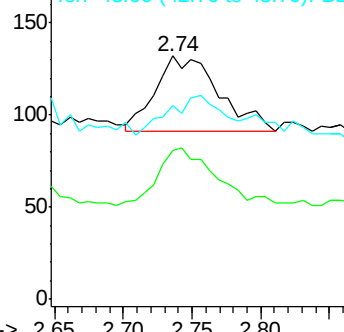
43 0.0 26.1 39.1#



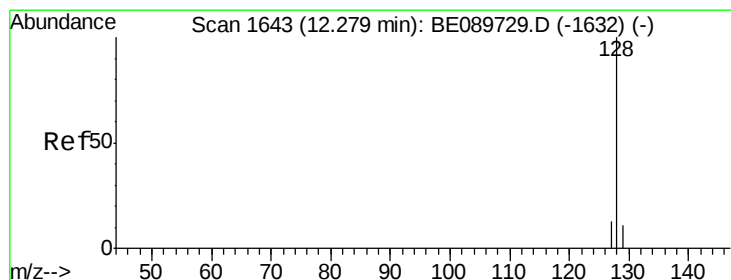
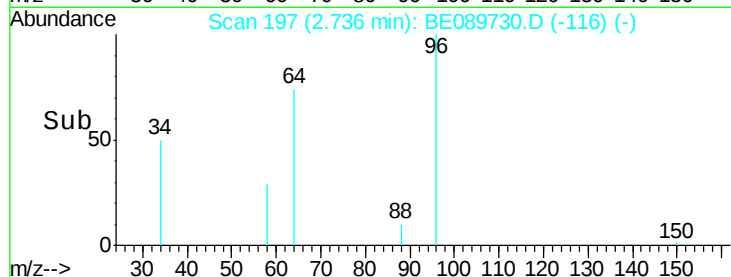
Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0



Time-->



#5

Naphthalene

Concen: 0.01 ng/ul

RT: 12.28 min Scan# 1644

Delta R.T. 0.01 min

Lab File: BE089730.D

Acq: 4 Mar 2015 19:58

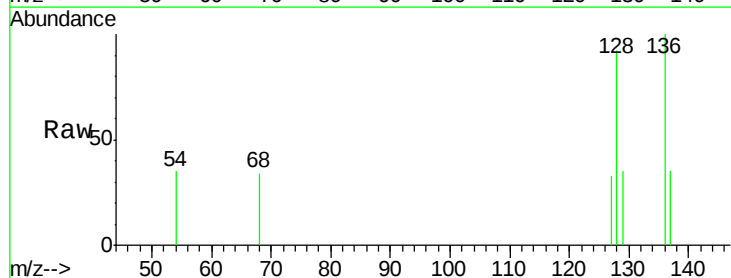
Tgt Ion: 128 Resp: 215

Ion Ratio Lower Upper

128 100

129 37.9 9.0 13.6#

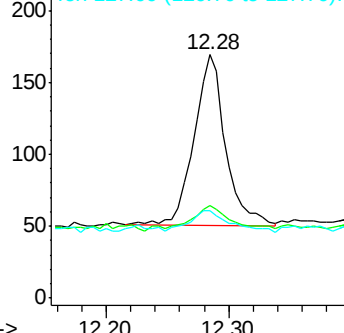
127 36.1 10.2 15.4#



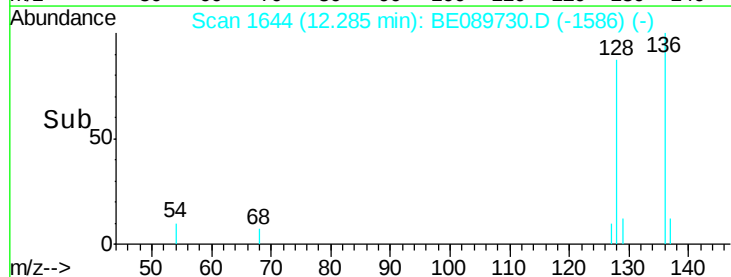
Abundance Ion 128.00 (127.70 to 128.70): E

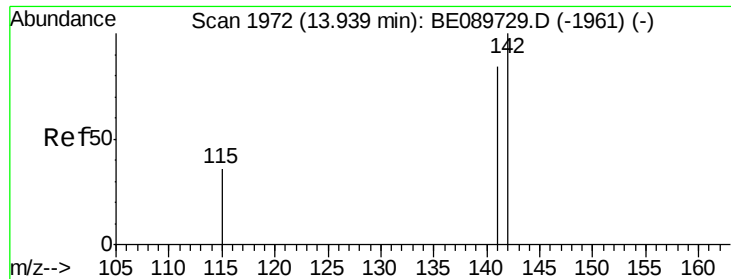
Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



Time-->





#7

2-Methylnaphthalene

Concen: 0.01 ng/ul

RT: 13.95 min Scan# 1974

Delta R.T. 0.01 min

Lab File: BE089730.D

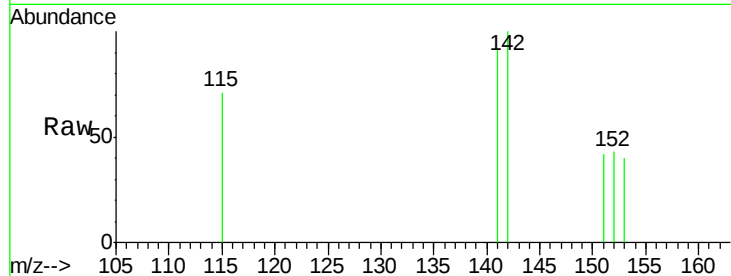
Acq: 4 Mar 2015 19:58

Tgt Ion:142 Resp: 138

Ion Ratio Lower Upper

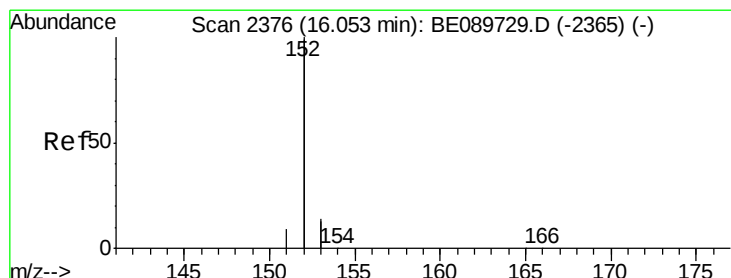
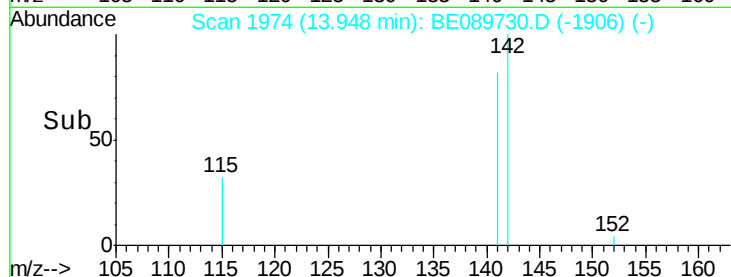
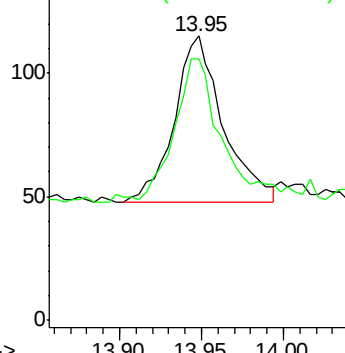
142 100

141 84.1 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: 0.01 ng/ul

RT: 16.05 min Scan# 2376

Delta R.T. 0.00 min

Lab File: BE089730.D

Acq: 4 Mar 2015 19:58

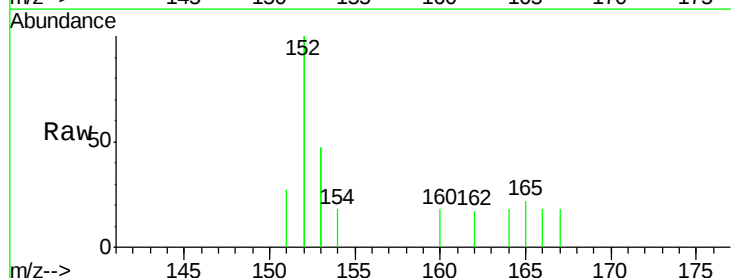
Tgt Ion:152 Resp: 854

Ion Ratio Lower Upper

152 100

151 13.3 3.8 5.8#

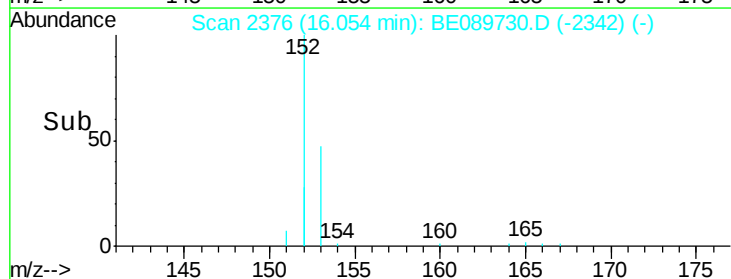
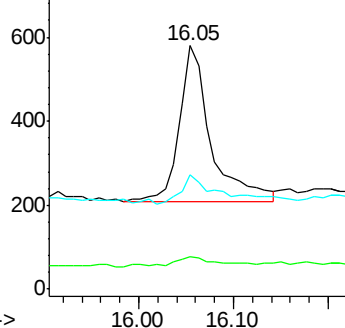
153 47.2 11.4 17.0#

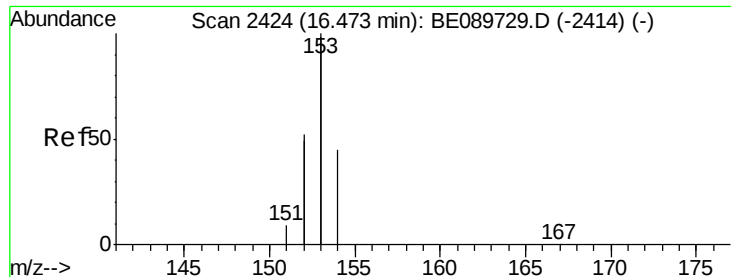


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#10

Acenaphthene

Concen: 0.01 ng/ul

RT: 16.47 min Scan# 2424

Delta R.T. 0.00 min

Lab File: BE089730.D

Acq: 4 Mar 2015 19:58

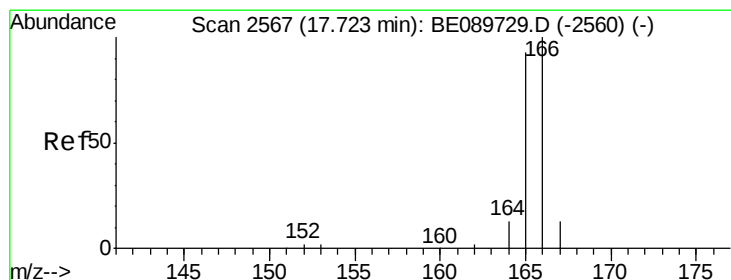
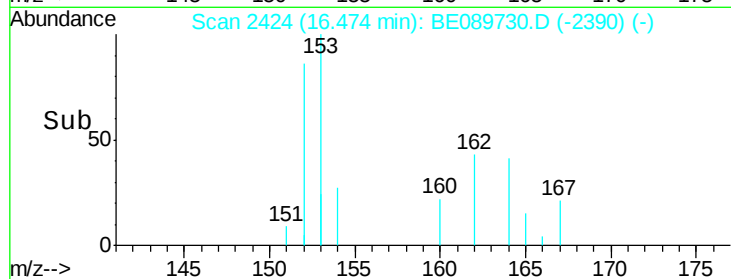
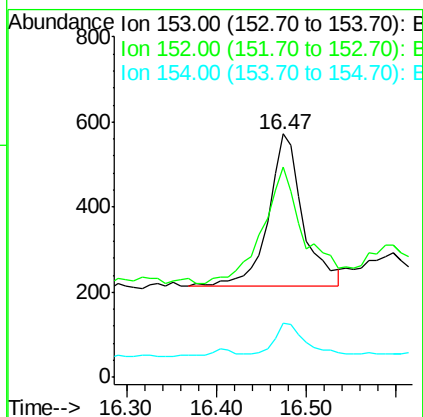
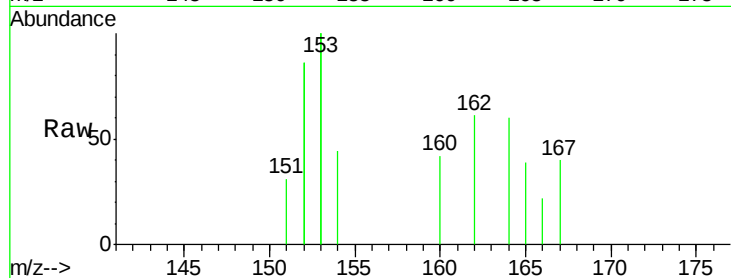
Tgt Ion:153 Resp: 948

Ion Ratio Lower Upper

153 100

152 86.4 41.2 61.8#

154 22.2 18.2 27.2



#11

Fluorene

Concen: 0.01 ng/ul

RT: 17.73 min Scan# 2568

Delta R.T. 0.01 min

Lab File: BE089730.D

Acq: 4 Mar 2015 19:58

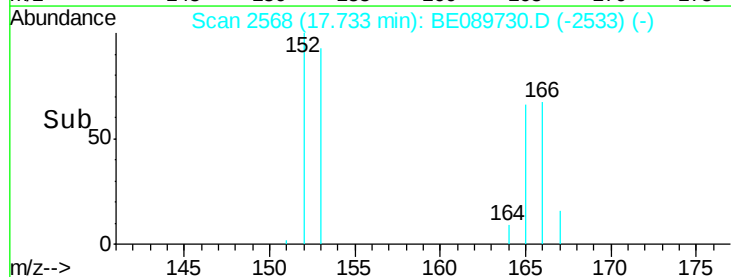
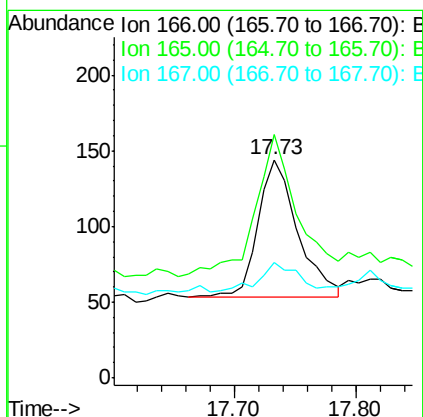
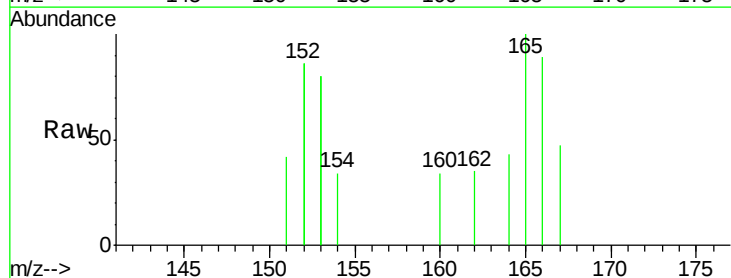
Tgt Ion:166 Resp: 208

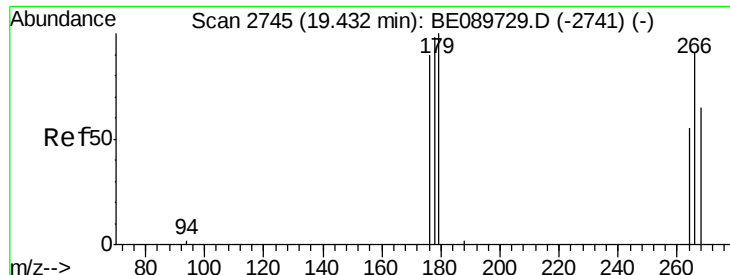
Ion Ratio Lower Upper

166 100

165 111.8 74.9 112.3

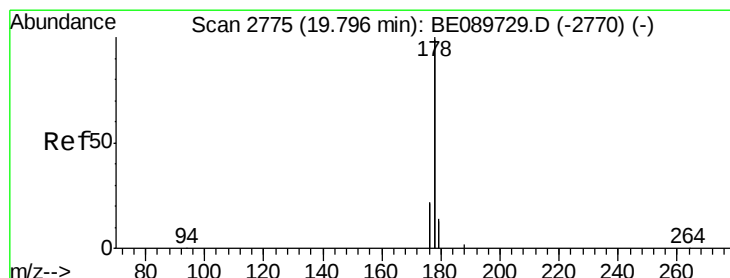
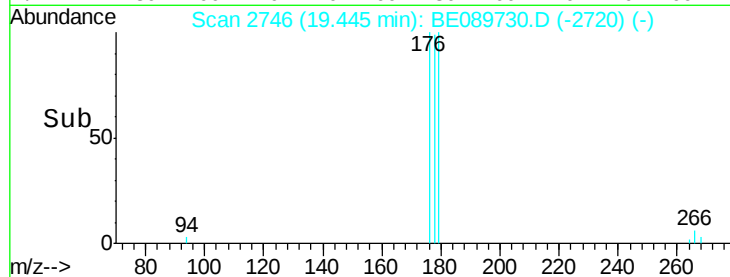
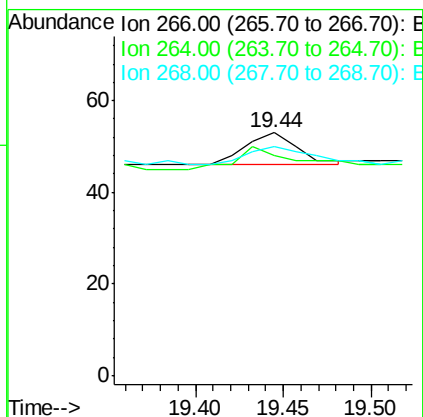
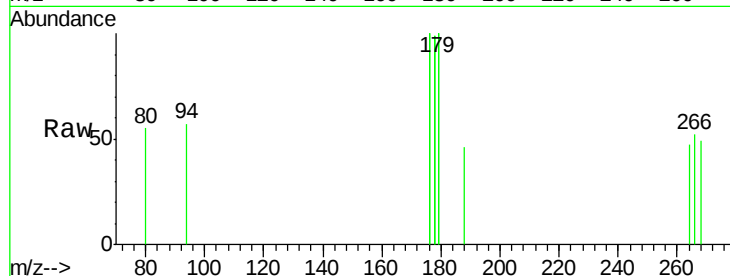
167 52.8 11.5 17.3#





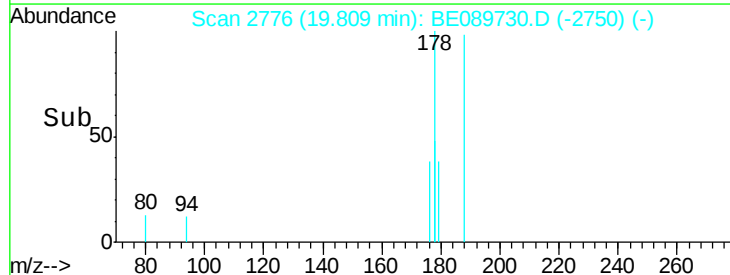
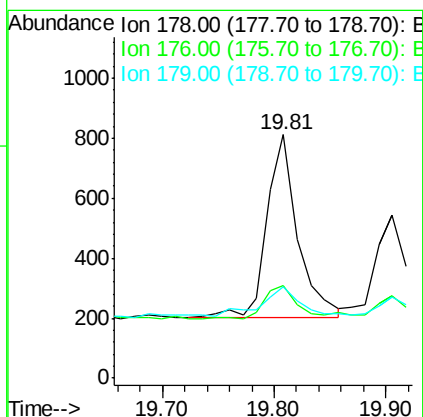
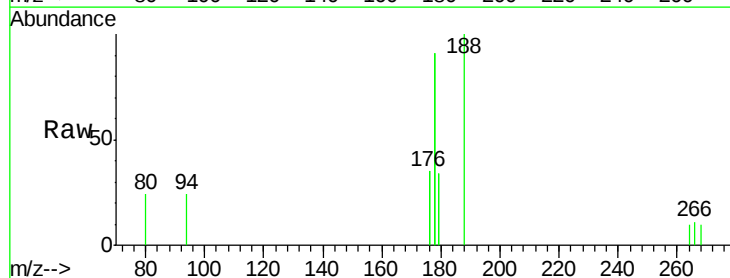
#13
 Pentachlorophenol
 Concen: 0.03 ng/ul
 RT: 19.44 min Scan# 2746
 Delta R.T. 0.01 min
 Lab File: BE089730.D
 Acq: 4 Mar 2015 19:58

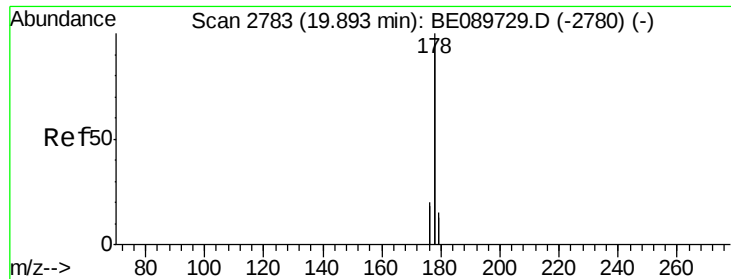
Tgt Ion: 266 Resp: 15
 Ion Ratio Lower Upper
 266 100
 264 126.7 49.4 74.2#
 268 73.3 47.9 71.9#



#14
 Phenanthrene
 Concen: 0.01 ng/ul
 RT: 19.81 min Scan# 2776
 Delta R.T. 0.01 min
 Lab File: BE089730.D
 Acq: 4 Mar 2015 19:58

Tgt Ion: 178 Resp: 1154
 Ion Ratio Lower Upper
 178 100
 176 38.2 17.6 26.4#
 179 37.7 11.6 17.4#





#15

Anthracene

Concen: 0.01 ng/ul

RT: 19.91 min Scan# 2784

Delta R.T. 0.01 min

Lab File: BE089730.D

Acq: 4 Mar 2015 19:58

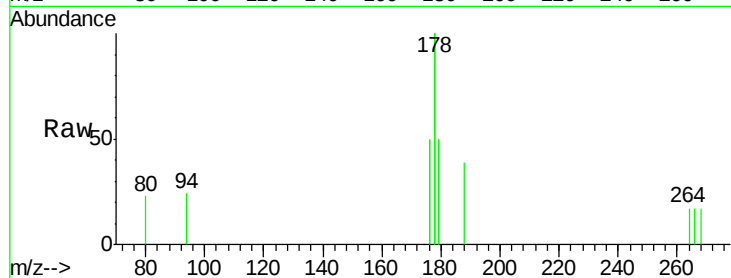
Tgt Ion:178 Resp: 661

Ion Ratio Lower Upper

178 100

176 50.4 15.8 23.6#

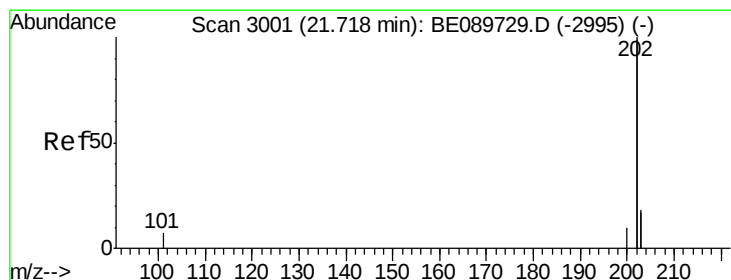
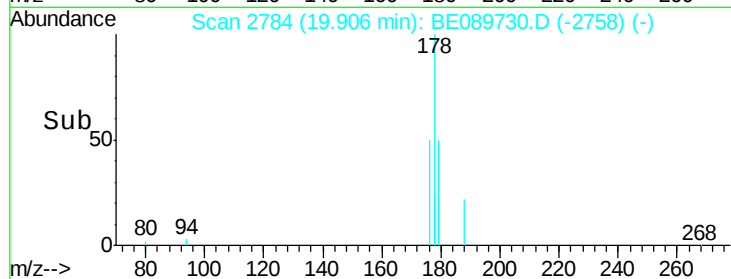
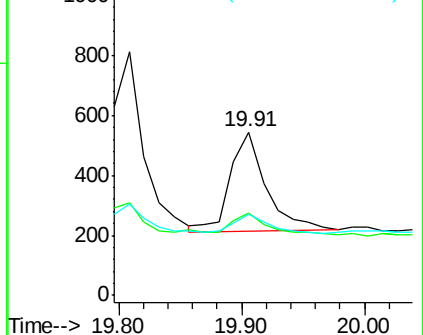
179 50.0 12.0 18.0#



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



#17

Fluoranthene

Concen: 0.01 ng/ul

RT: 21.72 min Scan# 3002

Delta R.T. 0.01 min

Lab File: BE089730.D

Acq: 4 Mar 2015 19:58

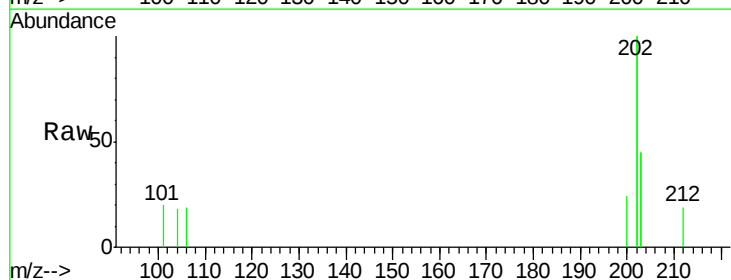
Tgt Ion:202 Resp: 743

Ion Ratio Lower Upper

202 100

101 10.2 0.0 24.2

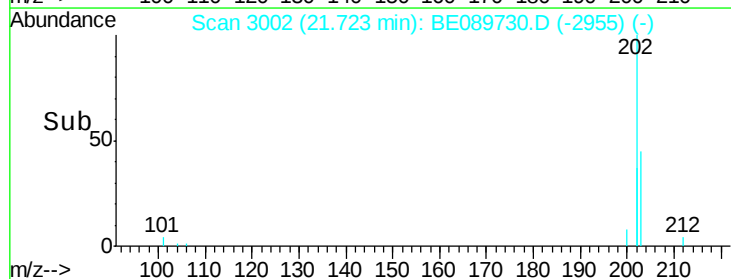
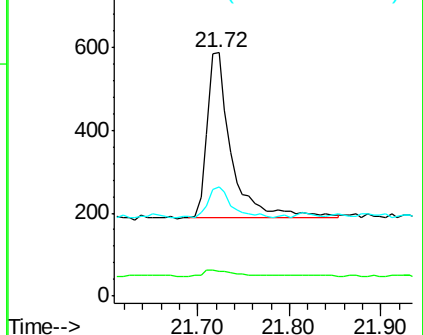
203 44.6 0.0 37.0#

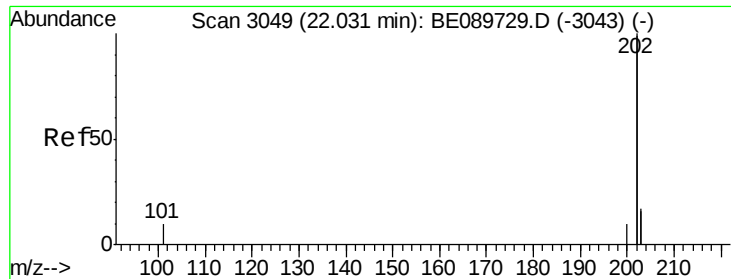


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

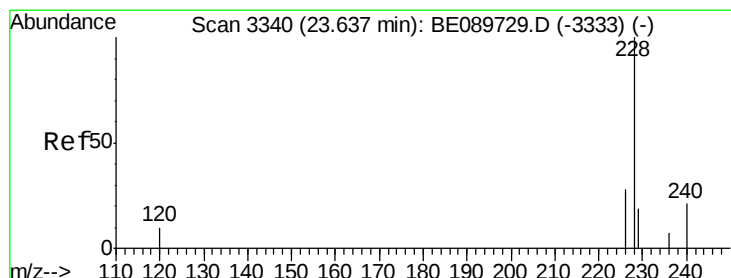
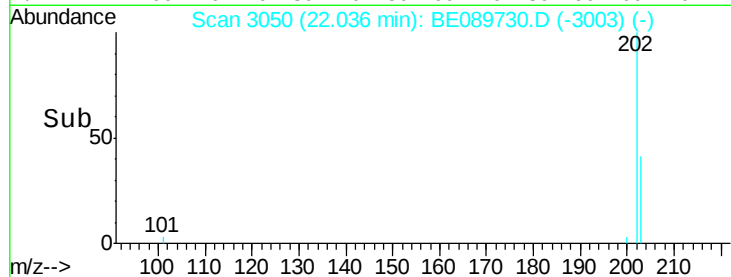
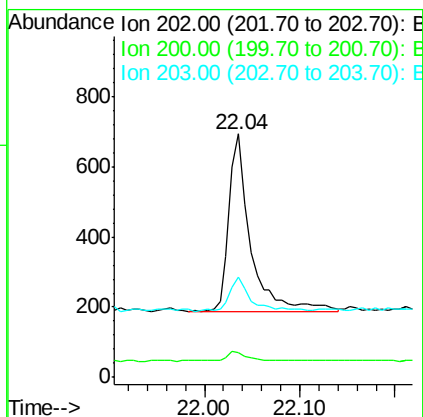
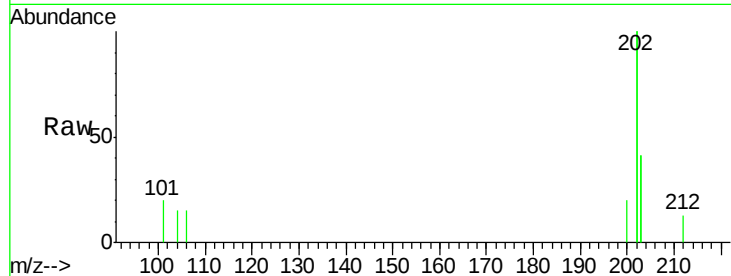
Ion 203.00 (202.70 to 203.70): E





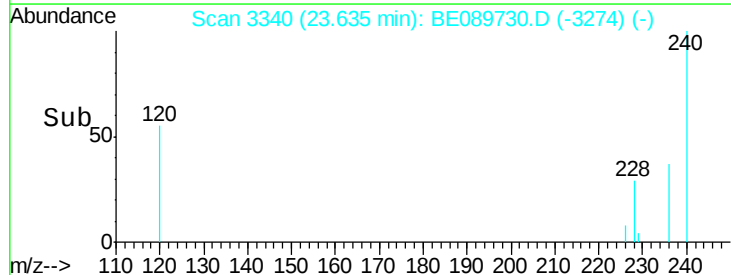
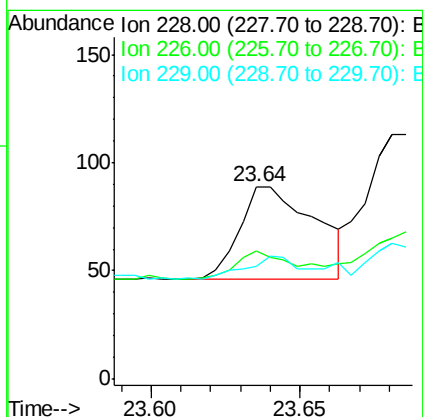
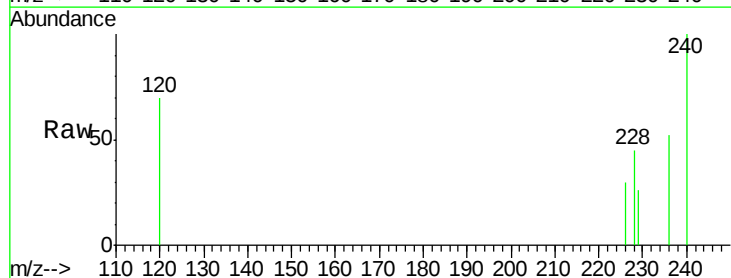
#19
Pyrene
Concen: 0.01 ng/ul
RT: 22.04 min Scan# 3050
Delta R.T. 0.01 min
Lab File: BE089730.D
Acq: 4 Mar 2015 19:58

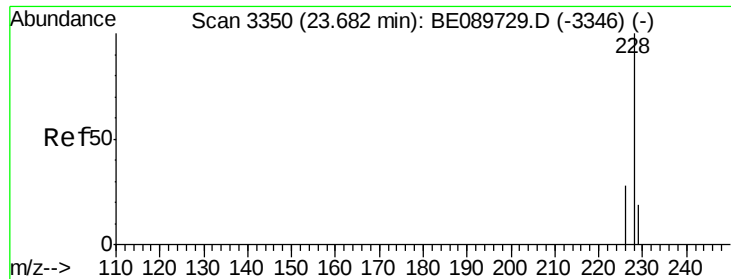
Tgt Ion: 202 Resp: 810
Ion Ratio Lower Upper
202 100
200 10.1 4.4 6.6#
203 41.2 13.6 20.4#



#20
Benzo(a)anthracene
Concen: 0.01 ng/ul
RT: 23.64 min Scan# 3340
Delta R.T. -0.00 min
Lab File: BE089730.D
Acq: 4 Mar 2015 19:58

Tgt Ion: 228 Resp: 75
Ion Ratio Lower Upper
228 100
226 66.3 22.8 34.2#
229 58.4 16.2 24.2#





#21

Chrysene

Concen: 0.01 ng/ul

RT: 23.68 min Scan# 3350

Delta R.T. -0.00 min

Lab File: BE089730.D

Acq: 4 Mar 2015 19:58

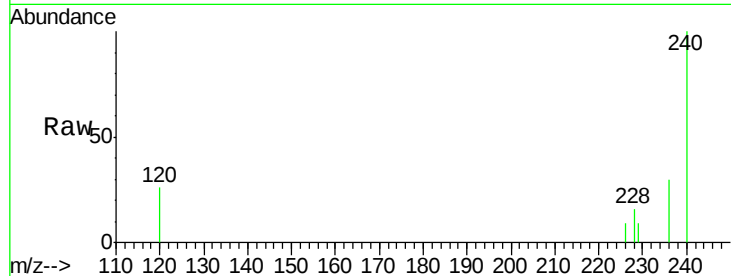
Tgt Ion: 228 Resp: 147

Ion Ratio Lower Upper

228 100

226 57.5 23.7 35.5#

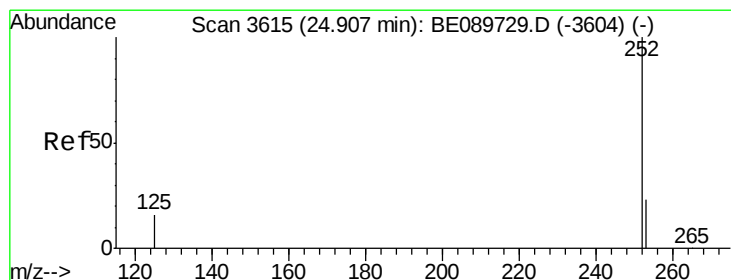
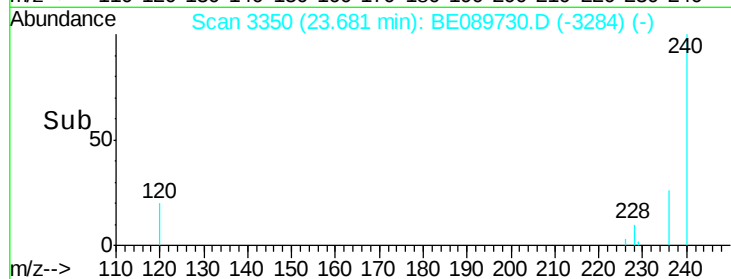
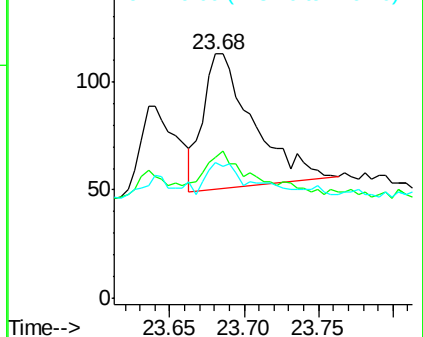
229 55.8 15.5 23.3#



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: 0.02 ng/ul

RT: 24.91 min Scan# 3617

Delta R.T. 0.00 min

Lab File: BE089730.D

Acq: 4 Mar 2015 19:58

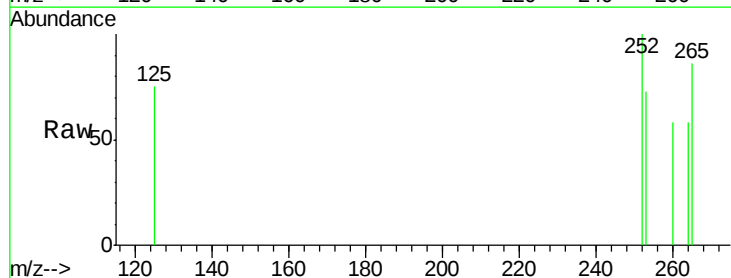
Tgt Ion: 252 Resp: 43

Ion Ratio Lower Upper

252 100

253 72.5 0.0 47.0#

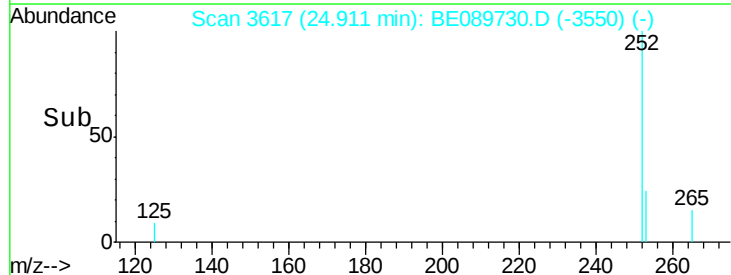
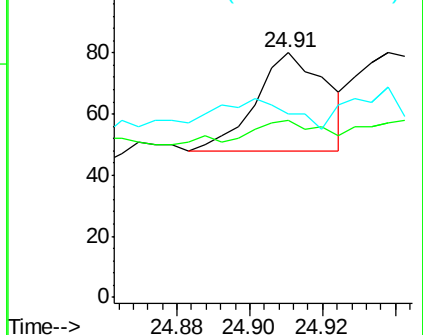
125 75.0 0.0 37.8#

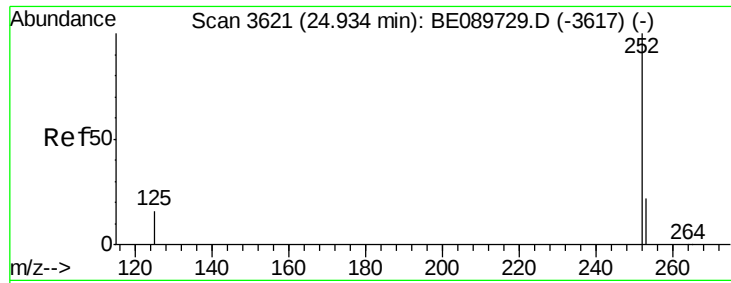


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 0.01 ng/ul

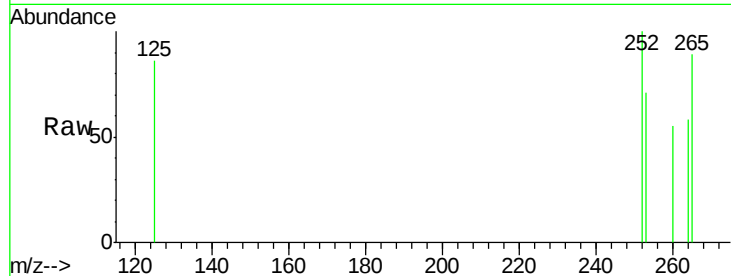
RT: 24.94 min Scan# 3623

Delta R.T. 0.00 min

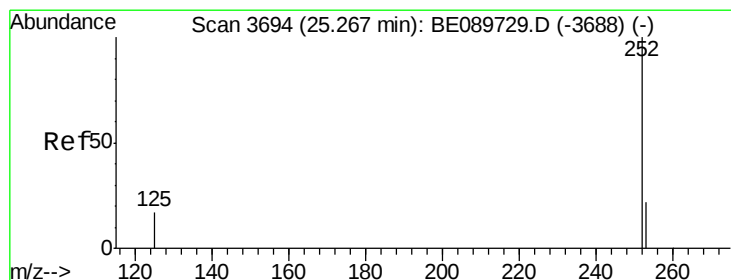
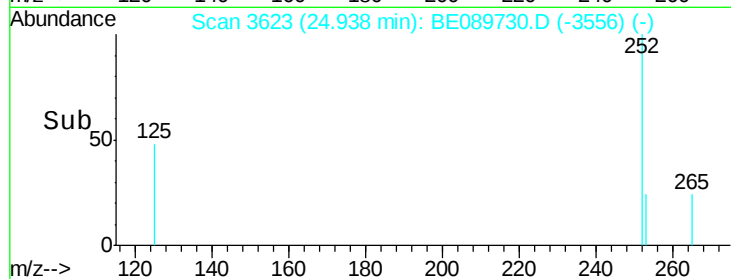
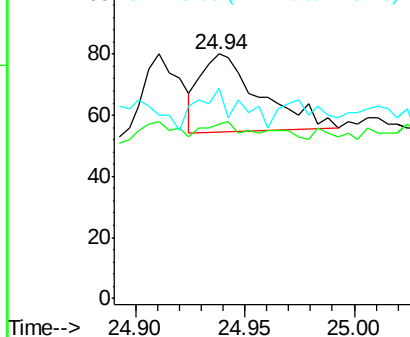
Lab File: BE089730.D

Acq: 4 Mar 2015 19:58

Tgt Ion:	252	Resp:	49
Ion	Ratio	Lower	Upper
252	100		
253	71.3	18.2	27.4#
125	86.3	14.6	22.0#



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



#25

Benzo(a)pyrene

Concen: 0.01 ng/ul

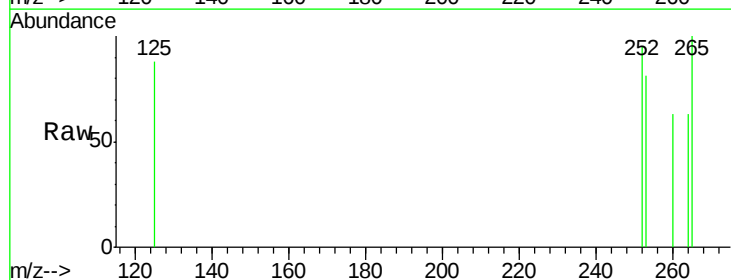
RT: 25.27 min Scan# 3695

Delta R.T. -0.00 min

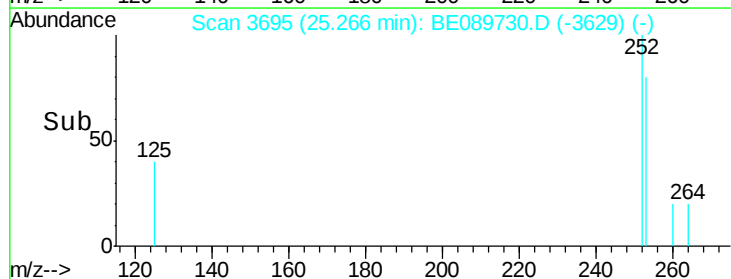
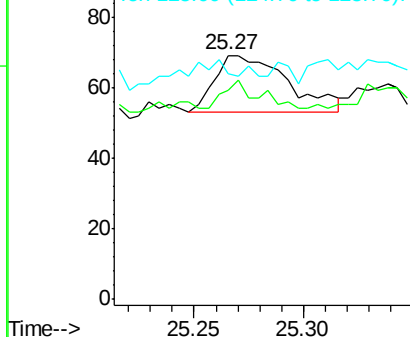
Lab File: BE089730.D

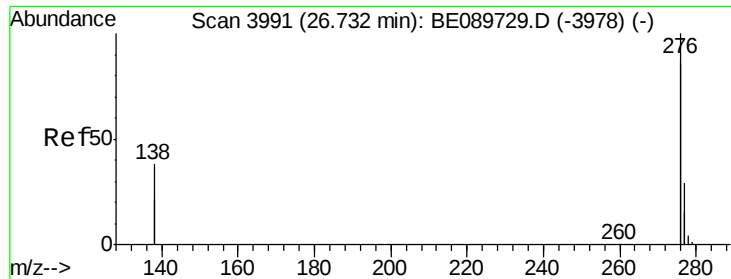
Acq: 4 Mar 2015 19:58

Tgt Ion:	252	Resp:	37
Ion	Ratio	Lower	Upper
252	100		
253	85.5	19.8	29.6#
125	92.8	16.0	24.0#



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





#26

Indeno(1,2,3-cd)pyrene

Concen: 0.02 ng/ul

RT: 26.74 min Scan# 3994

Delta R.T. 0.01 min

Lab File: BE089730.D

Acq: 4 Mar 2015 19:58

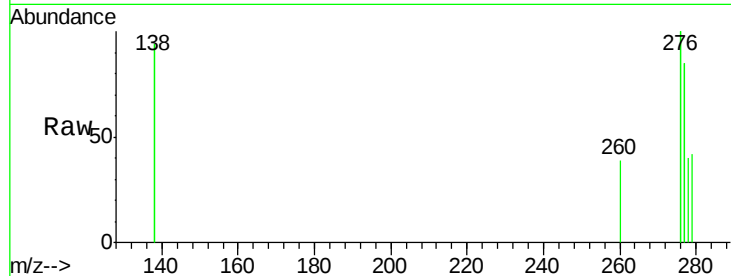
Tgt Ion: 276 Resp: 271

Ion Ratio Lower Upper

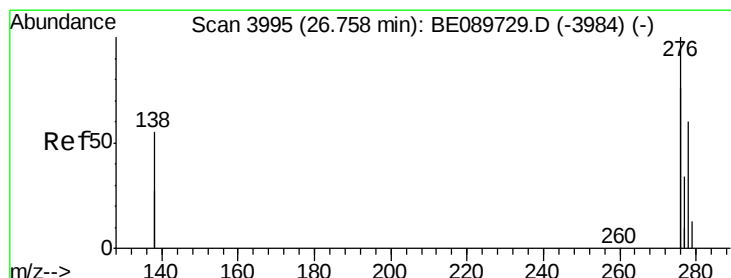
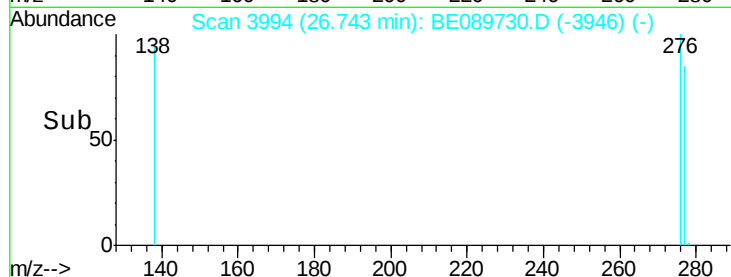
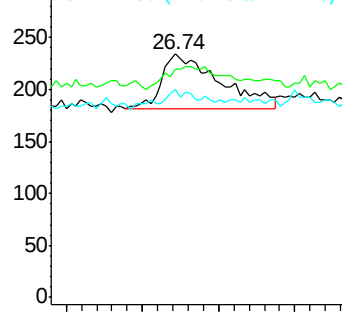
276 100

138 41.0 36.8 55.2

277 9.2 20.6 31.0#



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



#27

Dibenzo(a,h)anthracene

Concen: 0.03 ng/ul

RT: 26.78 min Scan# 4000

Delta R.T. 0.02 min

Lab File: BE089730.D

Acq: 4 Mar 2015 19:58

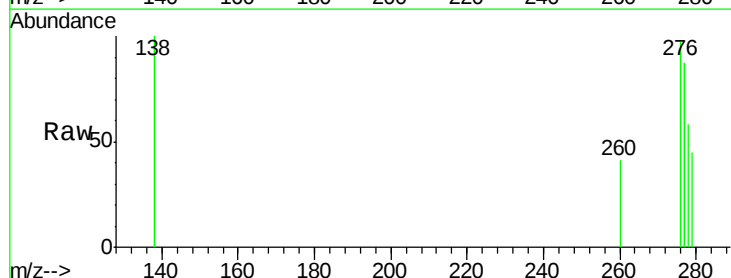
Tgt Ion: 278 Resp: 55

Ion Ratio Lower Upper

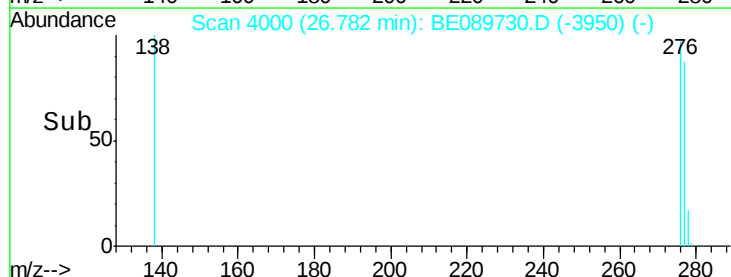
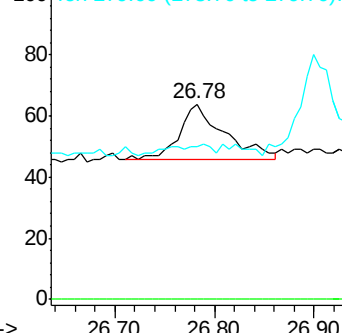
278 100

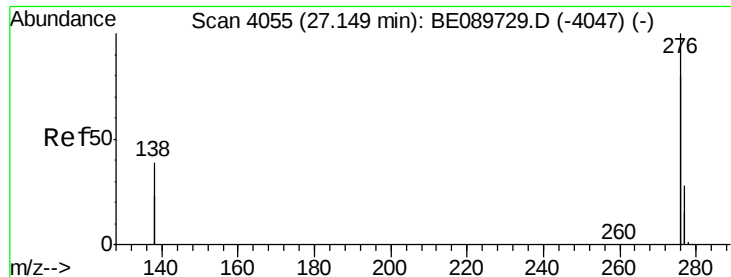
139 0.0 0.0 0.0

279 78.1 25.4 38.2#



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





#28

Benzo(g,h,i)perylene

Concen: 0.01 ng/ul

RT: 27.15 min Scan# 4056

Delta R.T. -0.00 min

Lab File: BE089730.D

Acq: 4 Mar 2015 19:58

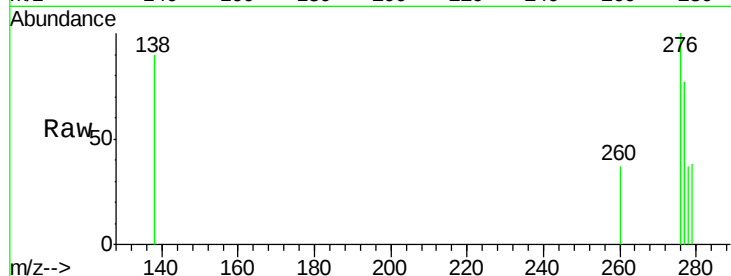
Tgt Ion: 276 Resp: 206

Ion Ratio Lower Upper

276 100

277 77.0 21.4 32.2#

138 89.7 31.4 47.0#



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

