

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE030515\
 Data File : BE089750.D
 Acq On : 5 Mar 2015 18:48
 Operator : TP/JJ
 Sample : MDL-08-S
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Mar 06 09:41:13 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 : Wed Mar 04 14:17:55 2015

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.33	152	4052	0.40	ng/ul	0.00
4) Naphthalene-d8	12.24	136	16334	0.40	ng/ul	0.00
8) Acenaphthene-d10	16.40	164	6692	0.40	ng/ul	0.00
12) Phenanthrene-d10	19.76	188	12235	0.40	ng/ul	0.00
18) Chrysene-d12	23.65	240	6203	0.40	ng/ul	0.00
22) Perylene-d12	25.33	264	3075	0.40	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	2.64	96	9468	1.78	ng/uL	0.00
6) 2-Methylnaphthalene-d10	13.86	152	2	0.00	ng/ul	0.00
16) Fluoranthene-d10	21.68	212	6	0.00	ng/ul	0.00

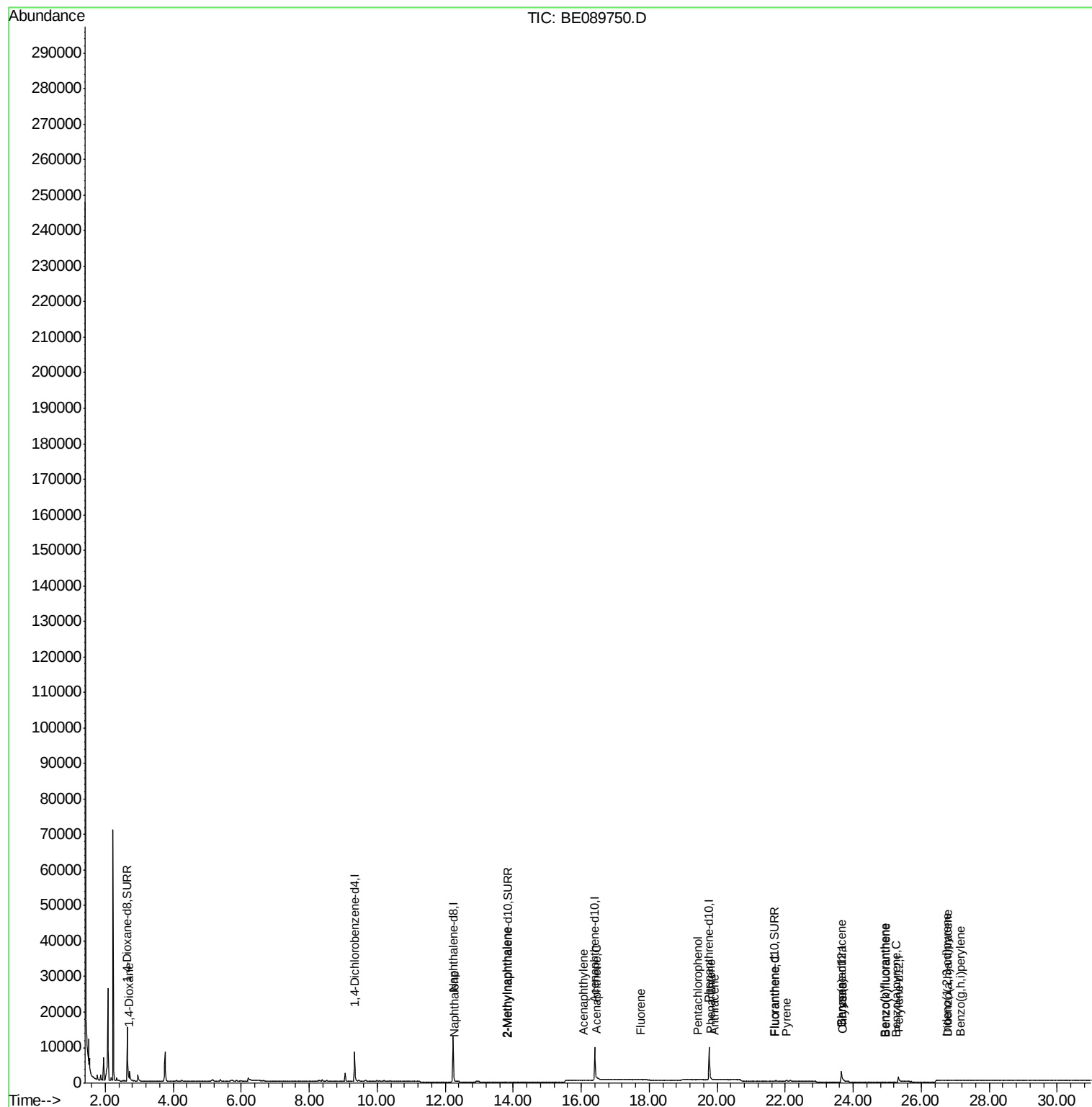
Target Compounds

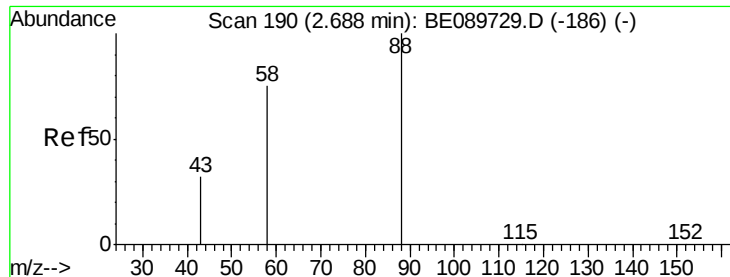
					Qvalue
3) 1,4-Dioxane	2.71	88	2263	0.37	ng/ul# 82
5) Naphthalene	12.28	128	41	0.00	ng/ul# 1
7) 2-Methylnaphthalene	13.81	142	1	0.00	ng/ul# 83
9) Acenaphthylene	16.06	152	108	0.00	ng/ul# 1
10) Acenaphthene	16.46	153	328	0.00	ng/ul# 41
11) Fluorene	17.73	166	76	0.00	ng/ul# 54
13) Pentachlorophenol	19.43	266	13	0.03	ng/ul# 84
14) Phenanthrene	19.81	178	300	0.00	ng/ul# 1
15) Anthracene	19.91	178	111	0.00	ng/ul# 1
17) Fluoranthene	21.72	202	137	0.00	ng/ul# 1
19) Pyrene	22.04	202	117	0.00	ng/ul# 1
20) Benzo(a)anthracene	23.65	228	30	0.00	ng/ul# 1
21) Chrysene	23.68	228	19	0.00	ng/ul# 1
23) Benzo(b)fluoranthene	24.91	252	16	0.01	ng/ul# 1
24) Benzo(k)fluoranthene	24.95	252	11	0.00	ng/ul# 1
25) Benzo(a)pyrene	25.26	252	5	0.00	ng/ul# 1
26) Indeno(1,2,3-cd)pyrene	26.75	276	9	0.00	ng/ul# 1
27) Dibenzo(a,h)anthracene	26.77	278	7	0.00	ng/ul# 1
28) Benzo(g,h,i)perylene	27.17	276	32	0.00	ng/ul# 1

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

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Quant Time: Mar 06 09:41:13 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 : Wed Mar 04 14:17:55 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: BE089750.D

Acq: 5 Mar 2015 18:48

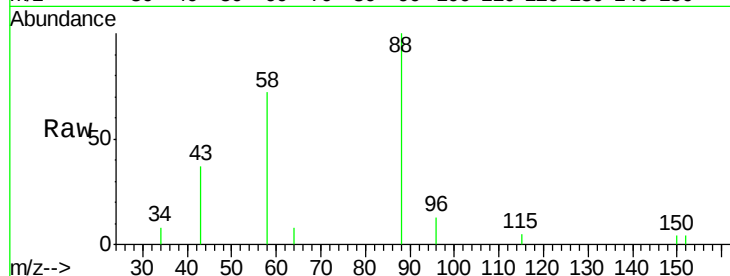
Tgt Ion: 88 Resp: 2263

Ion Ratio Lower Upper

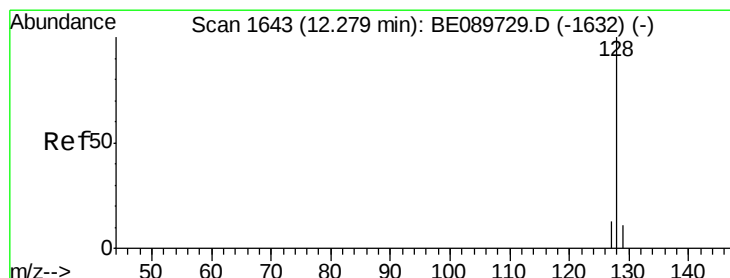
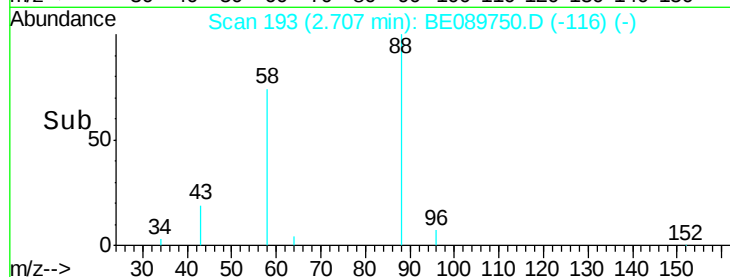
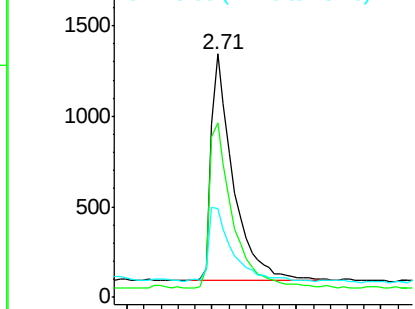
88 100

58 77.6 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: 12.28 min Scan# 1644

Delta R.T. 0.01 min

Lab File: BE089750.D

Acq: 5 Mar 2015 18:48

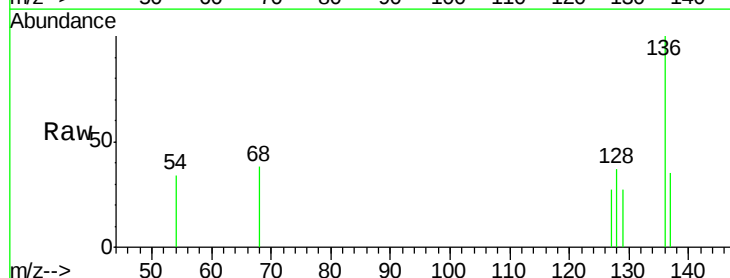
Tgt Ion: 128 Resp: 41

Ion Ratio Lower Upper

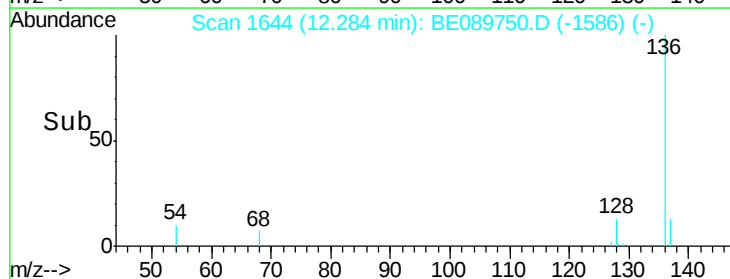
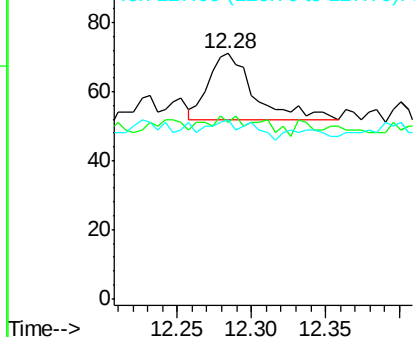
128 100

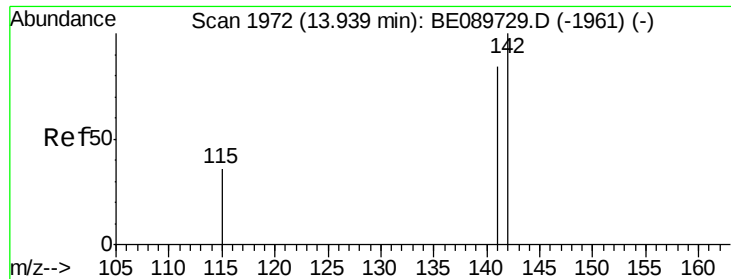
129 71.8 9.0 13.6#

127 73.2 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: 13.81 min Scan# 1944

Delta R.T. -0.13 min

Lab File: BE089750.D

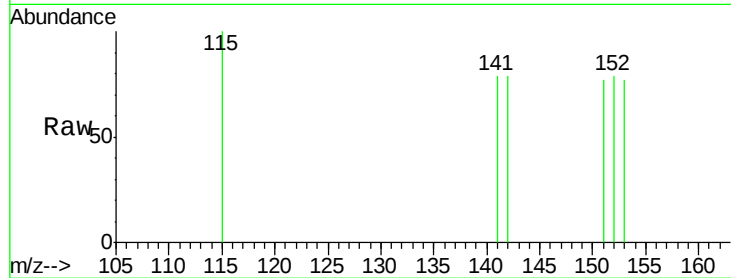
Acq: 5 Mar 2015 18:48

Tgt Ion:142 Resp: 1

Ion Ratio Lower Upper

142 100

141 100.0 67.4 101.0

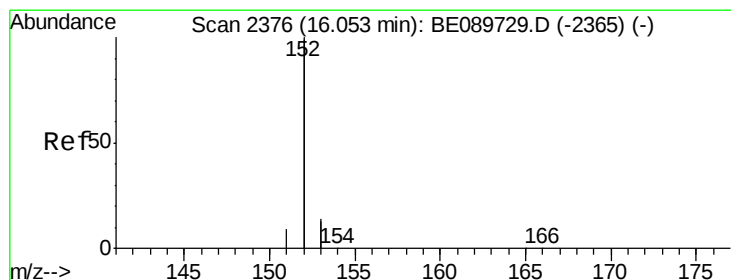
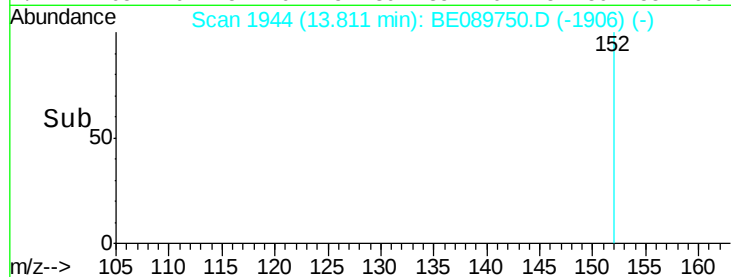


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

13.81

Time--> 13.80 13.81 13.82



#9

Acenaphthylene

Concen: 0.00 ng/ul

RT: 16.06 min Scan# 2377

Delta R.T. 0.01 min

Lab File: BE089750.D

Acq: 5 Mar 2015 18:48

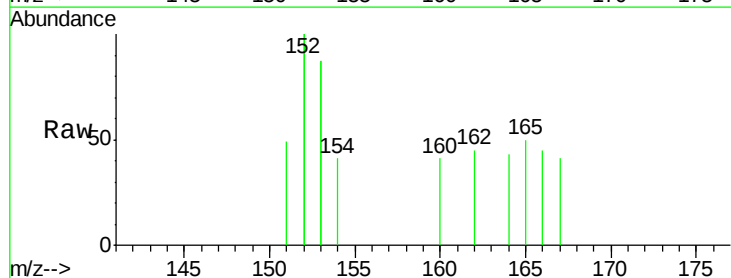
Tgt Ion:152 Resp: 108

Ion Ratio Lower Upper

152 100

151 24.4 3.8 5.8#

153 87.0 11.4 17.0#



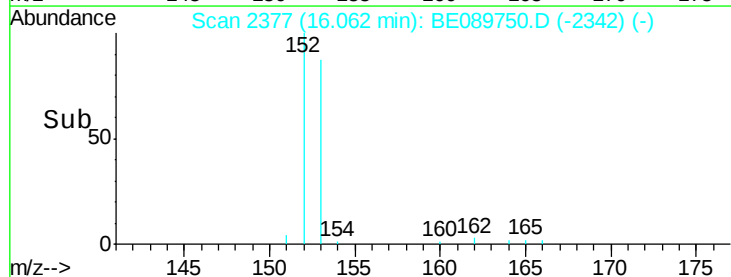
Abundance Ion 152.00 (151.70 to 152.70): E

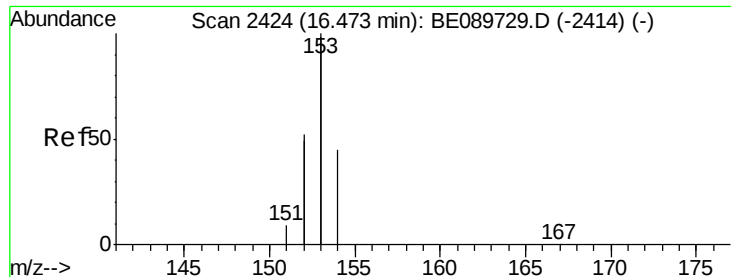
Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E

16.06

Time--> 16.00 16.10





#10

Acenaphthene

Concen: 0.00 ng/ul

RT: 16.46 min Scan# 2423

Delta R.T. -0.01 min

Lab File: BE089750.D

Acq: 5 Mar 2015 18:48

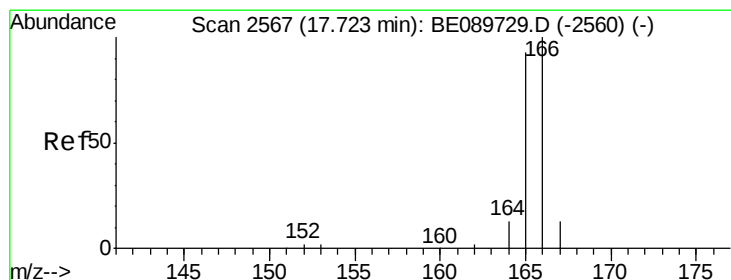
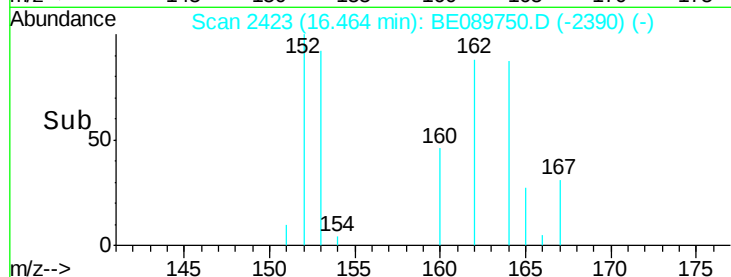
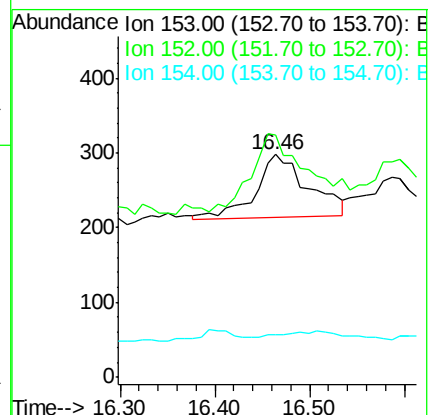
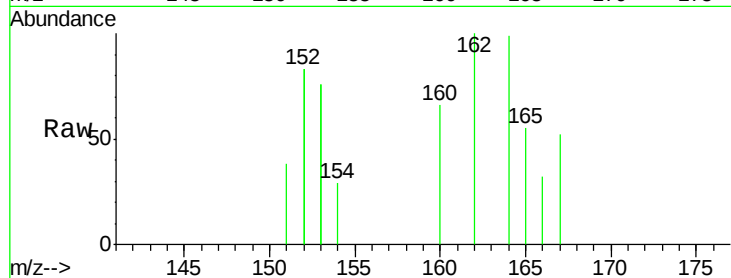
Tgt Ion:153 Resp: 328

Ion Ratio Lower Upper

153 100

152 108.7 41.2 61.8#

154 19.1 18.2 27.2



#11

Fluorene

Concen: 0.00 ng/ul

RT: 17.73 min Scan# 2568

Delta R.T. 0.01 min

Lab File: BE089750.D

Acq: 5 Mar 2015 18:48

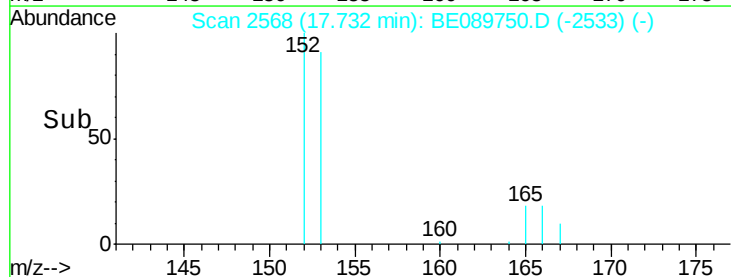
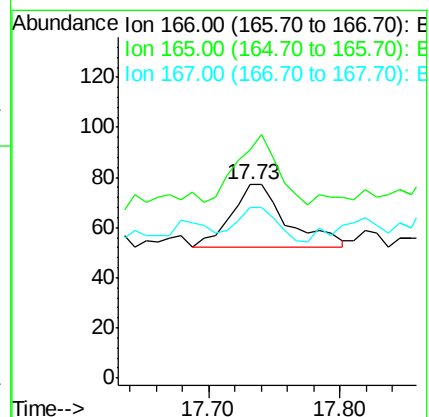
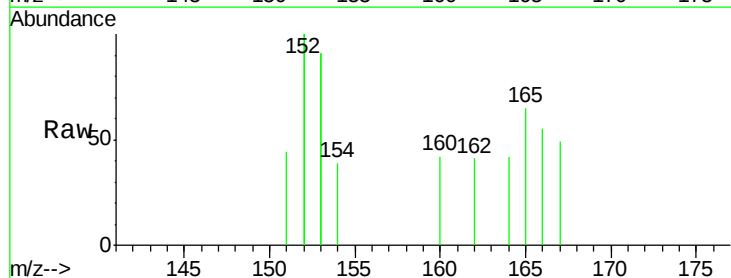
Tgt Ion:166 Resp: 76

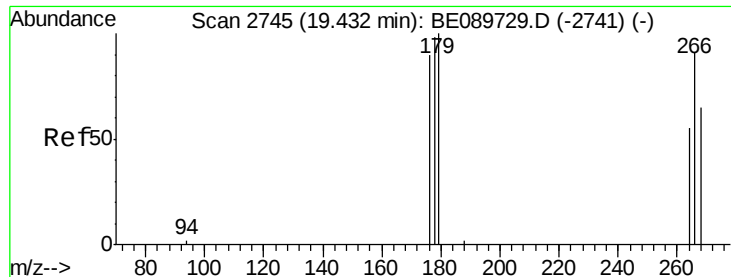
Ion Ratio Lower Upper

166 100

165 118.2 74.9 112.3#

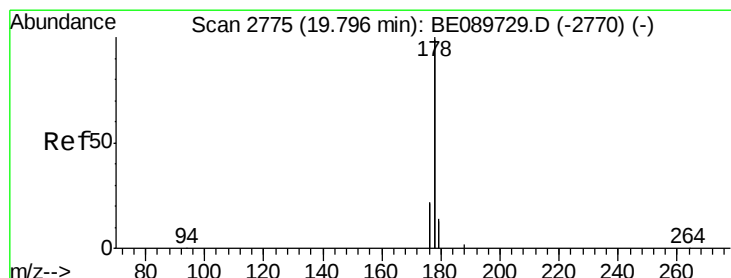
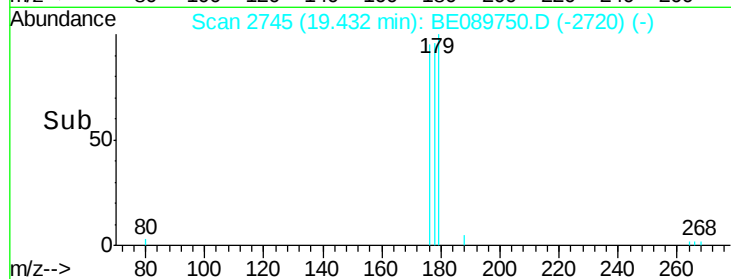
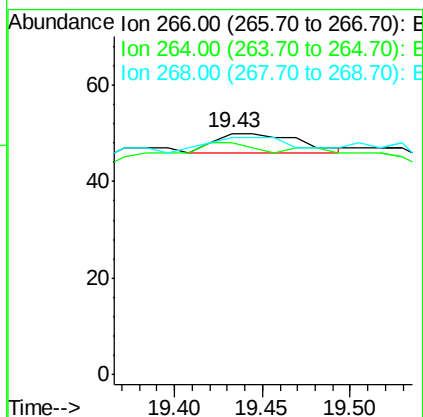
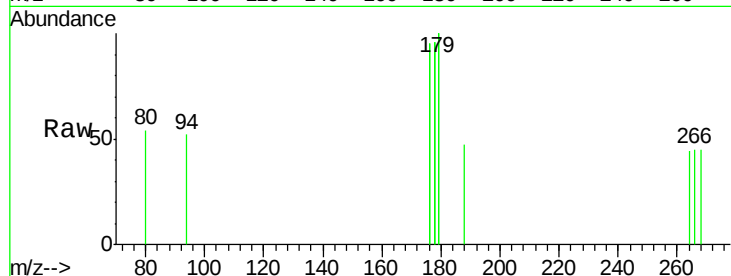
167 88.3 11.5 17.3#





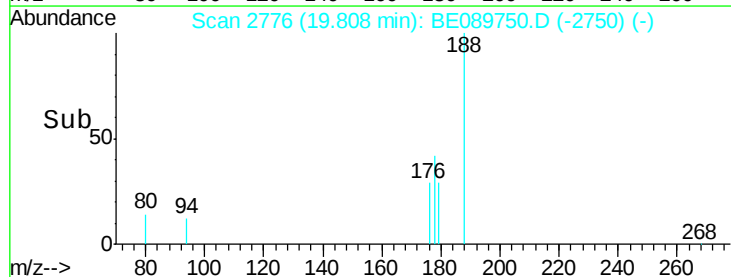
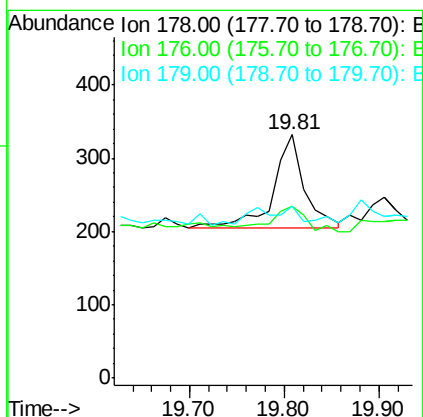
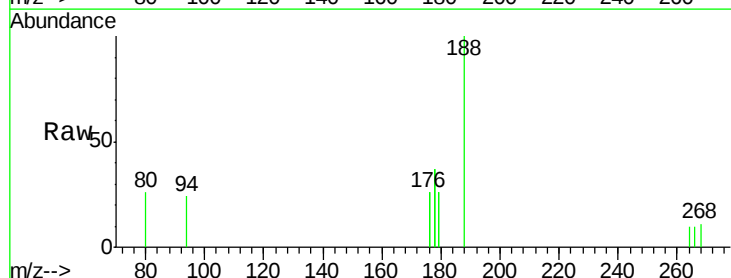
#13
 Pentachlorophenol
 Concen: 0.03 ng/ul
 RT: 19.43 min Scan# 2745
 Delta R.T. 0.00 min
 Lab File: BE089750.D
 Acq: 5 Mar 2015 18:48

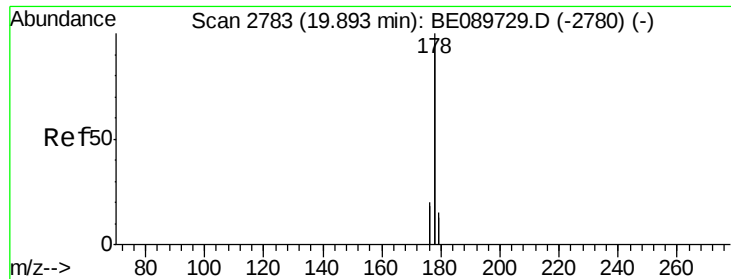
Tgt Ion: 266 Resp: 13
 Ion Ratio Lower Upper
 266 100
 264 69.2 49.4 74.2
 268 76.9 47.9 71.9#



#14
 Phenanthrene
 Concen: 0.00 ng/ul
 RT: 19.81 min Scan# 2776
 Delta R.T. 0.01 min
 Lab File: BE089750.D
 Acq: 5 Mar 2015 18:48

Tgt Ion: 178 Resp: 300
 Ion Ratio Lower Upper
 178 100
 176 70.5 17.6 26.4#
 179 70.5 11.6 17.4#





#15

Anthracene

Concen: 0.00 ng/ul

RT: 19.91 min Scan# 2784

Delta R.T. 0.01 min

Lab File: BE089750.D

Acq: 5 Mar 2015 18:48

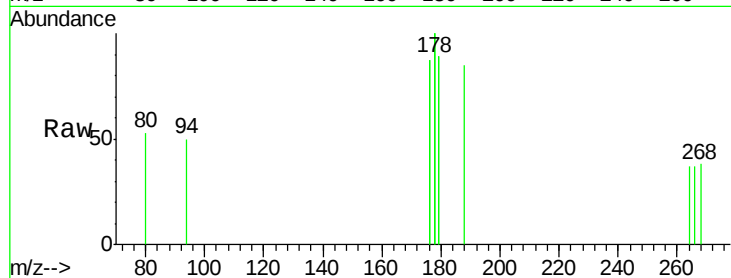
Tgt Ion:178 Resp: 111

Ion Ratio Lower Upper

178 100

176 87.0 15.8 23.6#

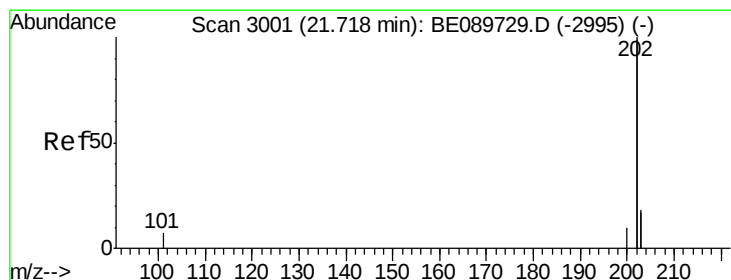
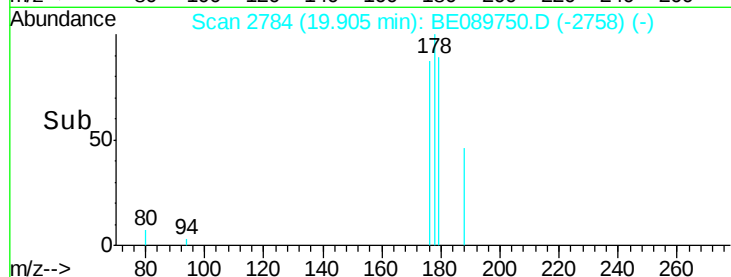
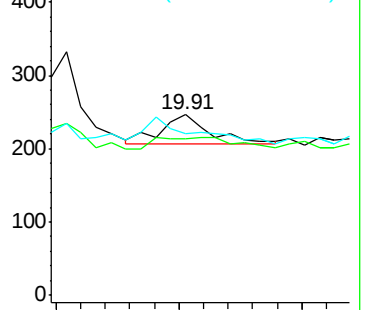
179 89.4 12.0 18.0#



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: 0.00 ng/ul

RT: 21.72 min Scan# 3001

Delta R.T. 0.00 min

Lab File: BE089750.D

Acq: 5 Mar 2015 18:48

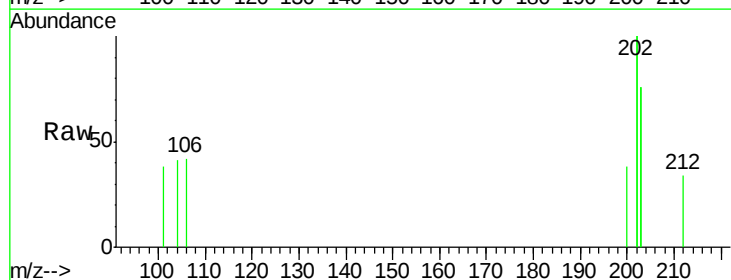
Tgt Ion:202 Resp: 137

Ion Ratio Lower Upper

202 100

101 18.9 0.0 24.2

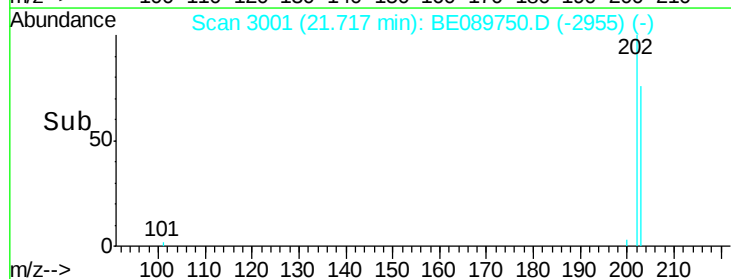
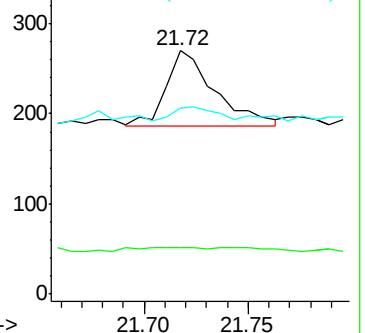
203 76.3 0.0 37.0#

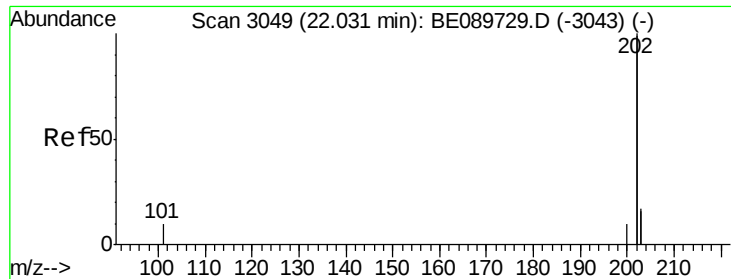


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#19

Pyrene

Concen: 0.00 ng/ul

RT: 22.04 min Scan# 3050

Delta R.T. 0.01 min

Lab File: BE089750.D

Acq: 5 Mar 2015 18:48

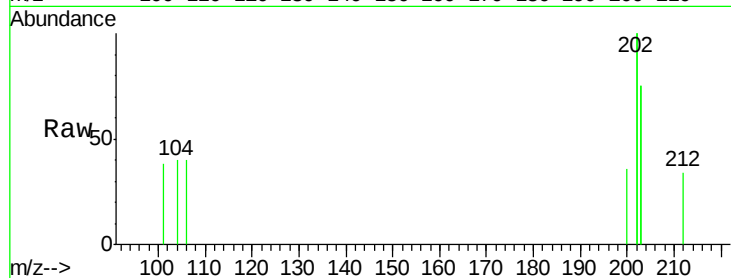
Tgt Ion: 202 Resp: 117

Ion Ratio Lower Upper

202 100

200 18.0 4.4 6.6#

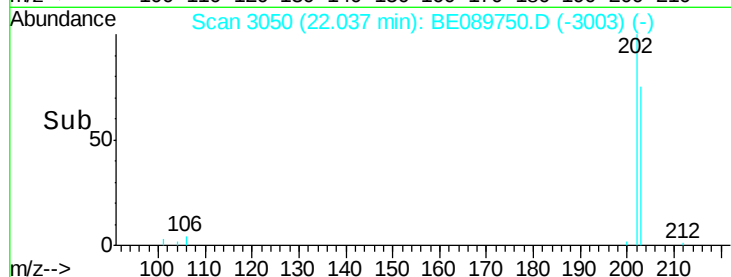
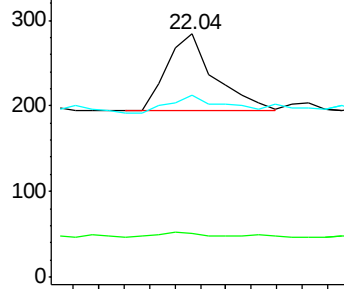
203 74.6 13.6 20.4#



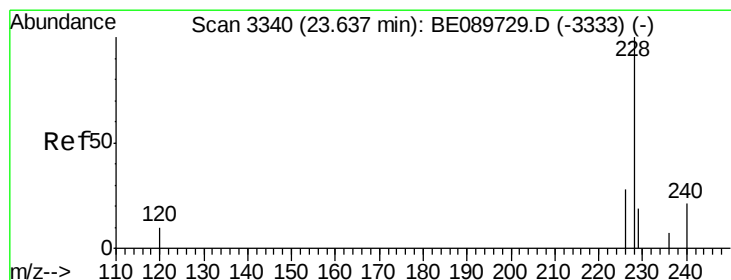
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->



#20

Benzo(a)anthracene

Concen: 0.00 ng/ul

RT: 23.65 min Scan# 3342

Delta R.T. 0.01 min

Lab File: BE089750.D

Acq: 5 Mar 2015 18:48

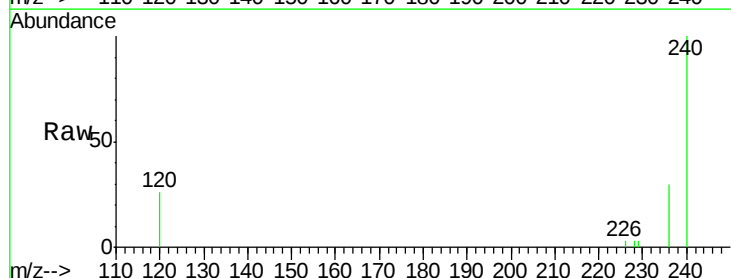
Tgt Ion: 228 Resp: 30

Ion Ratio Lower Upper

228 100

226 78.3 22.8 34.2#

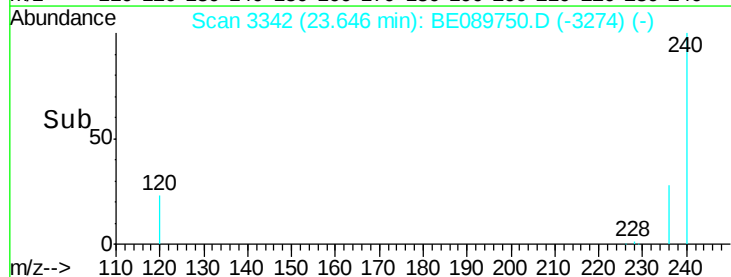
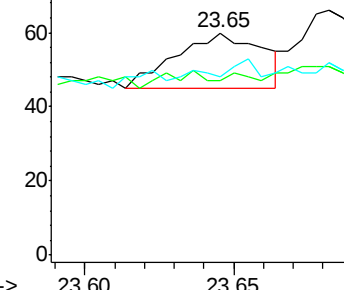
229 80.0 16.2 24.2#



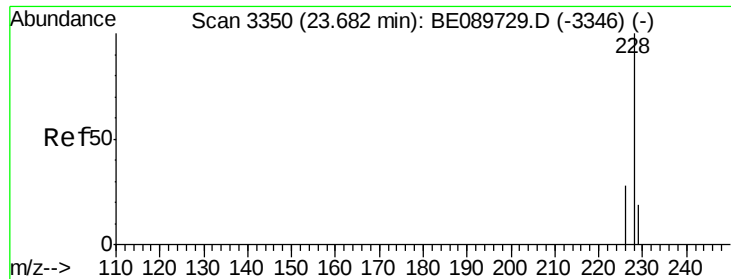
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->



#21

Chrysene

Concen: 0.00 ng/ul

RT: 23.68 min Scan# 3350

Delta R.T. -0.00 min

Lab File: BE089750.D

Acq: 5 Mar 2015 18:48

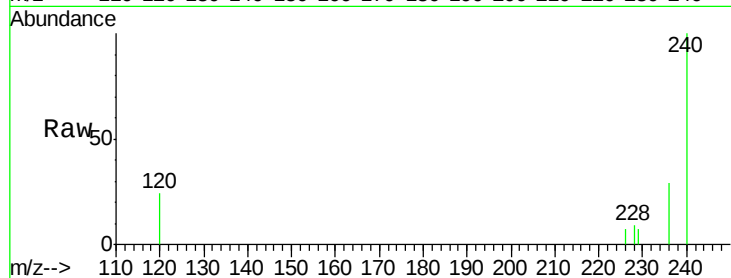
Tgt Ion: 228 Resp: 19

Ion Ratio Lower Upper

228 100

226 77.3 23.7 35.5#

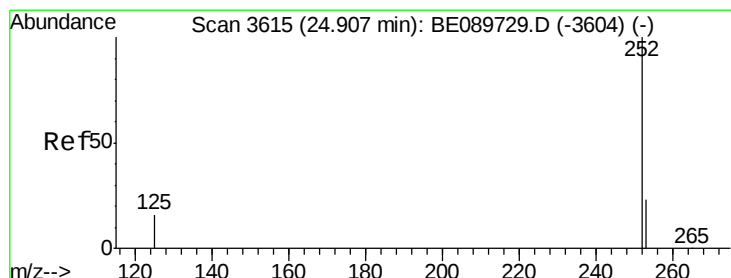
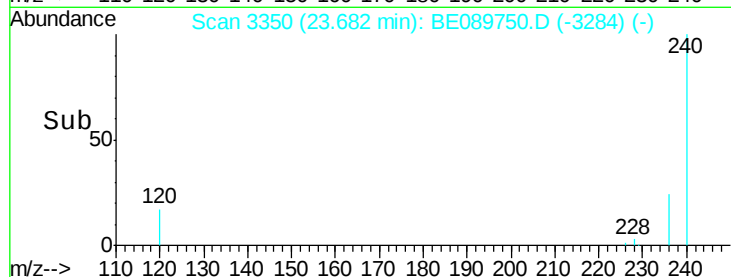
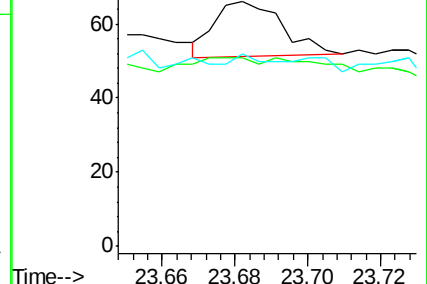
229 78.8 15.5 23.3#



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: 0.01 ng/ul

RT: 24.91 min Scan# 3617

Delta R.T. 0.01 min

Lab File: BE089750.D

Acq: 5 Mar 2015 18:48

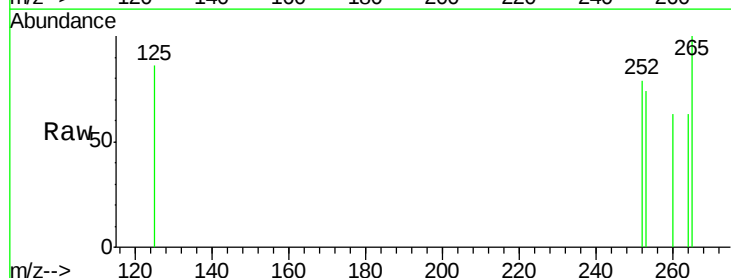
Tgt Ion: 252 Resp: 16

Ion Ratio Lower Upper

252 100

253 93.1 0.0 47.0#

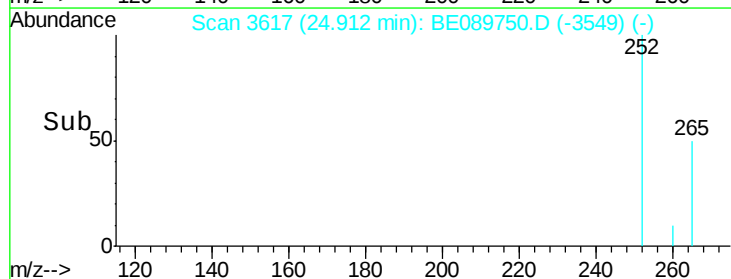
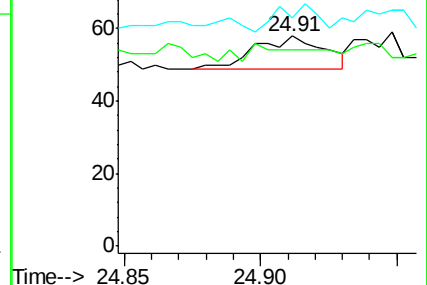
125 108.6 0.0 37.8#

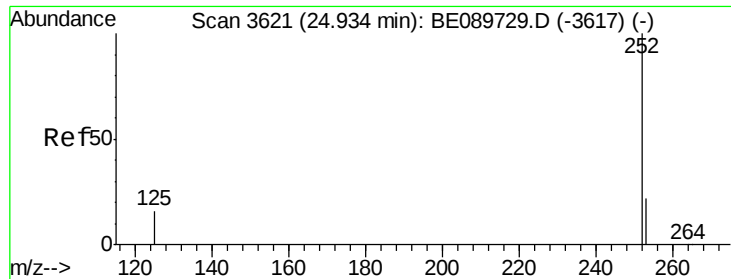


Abundance Ion 252.00 (251.70 to 252.70): E

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

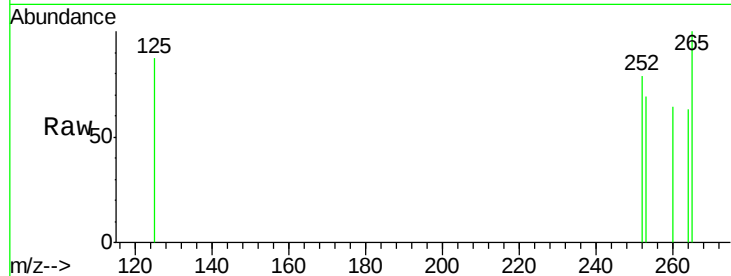
RT: 24.95 min Scan# 3625

Delta R.T. 0.01 min

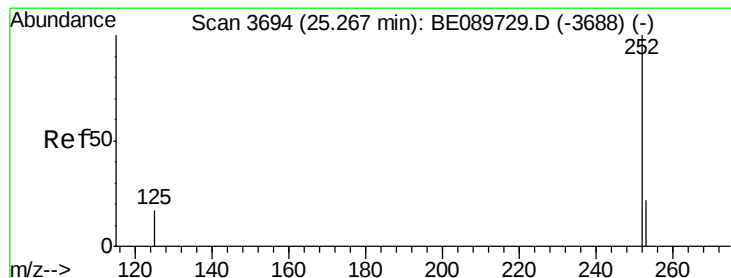
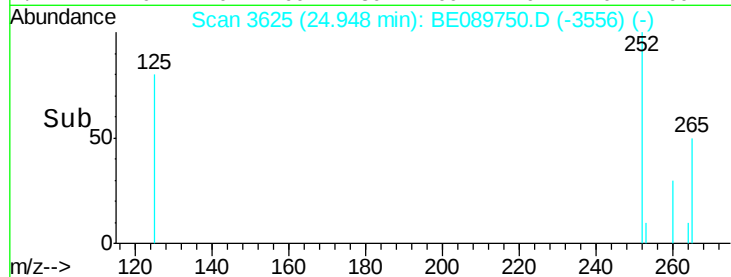
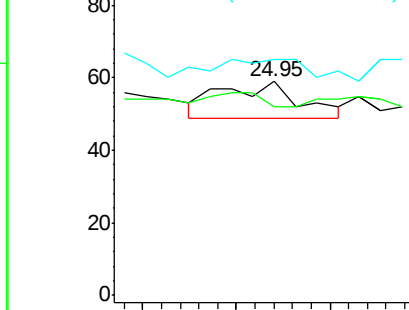
Lab File: BE089750.D

Acq: 5 Mar 2015 18:48

Tgt Ion:	252	Resp:	11
Ion	Ratio	Lower	Upper
252	100		
253	88.1	18.2	27.4#
125	110.2	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: 0.00 ng/ul

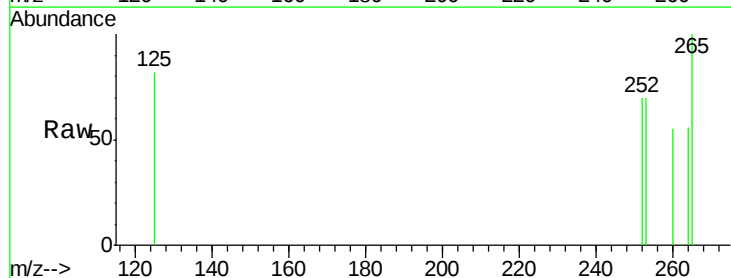
RT: 25.26 min Scan# 3694

Delta R.T. -0.01 min

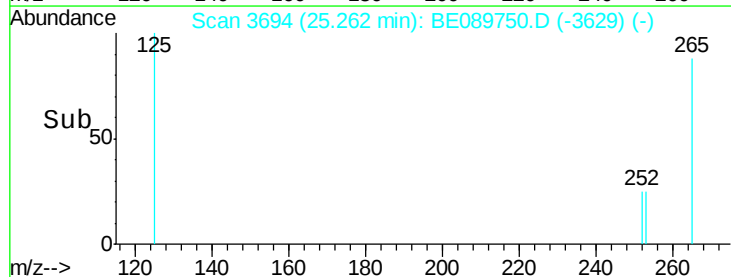
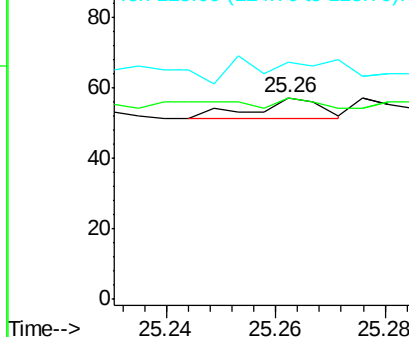
Lab File: BE089750.D

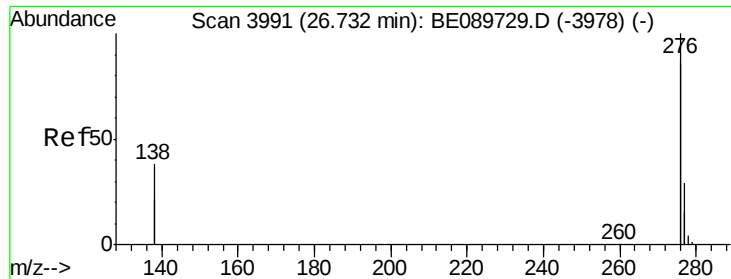
Acq: 5 Mar 2015 18:48

Tgt Ion:	252	Resp:	5
Ion	Ratio	Lower	Upper
252	100		
253	100.0	19.8	29.6#
125	117.5	16.0	24.0#



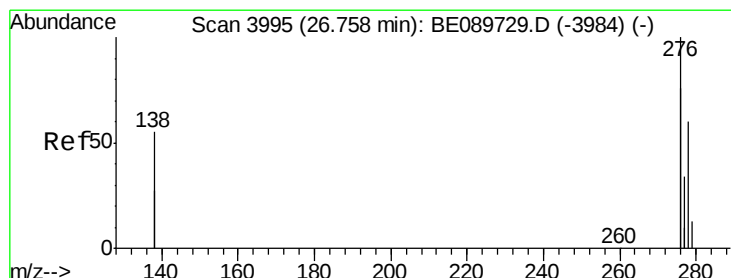
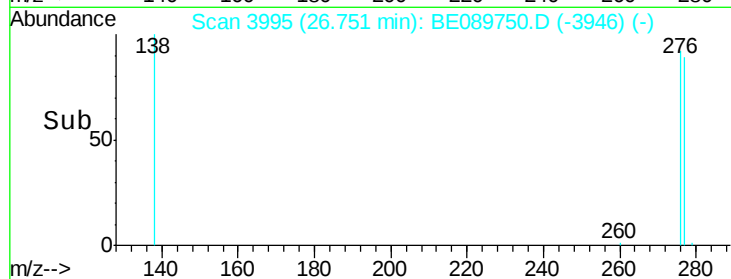
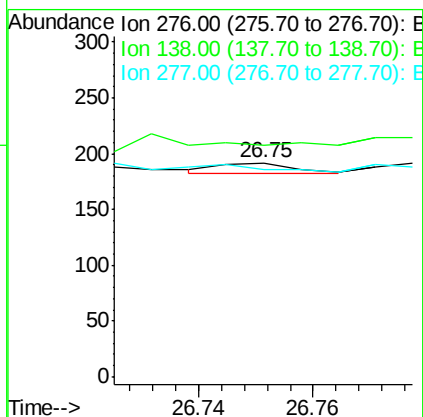
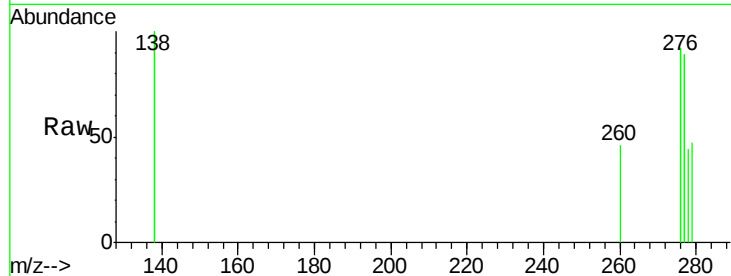
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





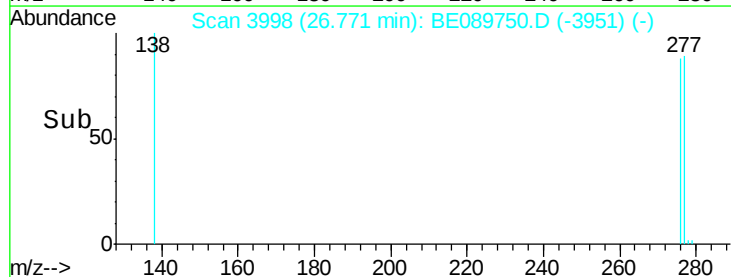
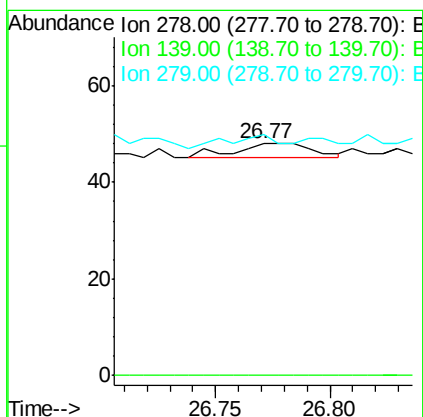
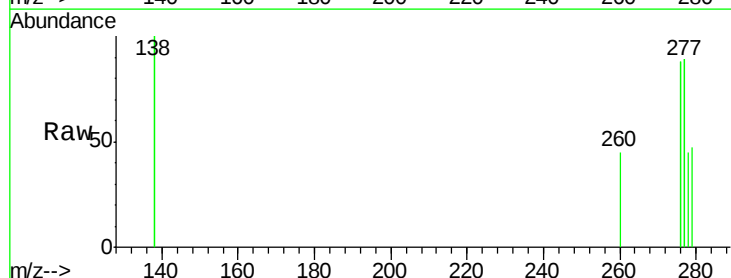
#26
Indeno(1,2,3-cd)pyrene
Concen: 0.00 ng/ul
RT: 26.75 min Scan# 3995
Delta R.T. 0.02 min
Lab File: BE089750.D
Acq: 5 Mar 2015 18:48

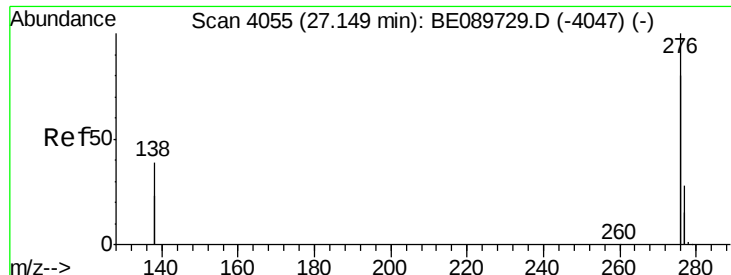
Tgt Ion: 276 Resp: 9
Ion Ratio Lower Upper
276 100
138 155.6 36.8 55.2#
277 0.0 20.6 31.0#



#27
Dibenzo(a,h)anthracene
Concen: 0.00 ng/ul
RT: 26.77 min Scan# 3998
Delta R.T. 0.01 min
Lab File: BE089750.D
Acq: 5 Mar 2015 18:48

Tgt Ion: 278 Resp: 7
Ion Ratio Lower Upper
278 100
139 0.0 0.0 0.0
279 104.2 25.4 38.2#





#28

Benzo(g,h,i)perylene

Concen: 0.00 ng/ul

RT: 27.17 min Scan# 4059

Delta R.T. 0.02 min

Lab File: BE089750.D

Acq: 5 Mar 2015 18:48

Tgt Ion: 276 Resp: 32

Ion Ratio Lower Upper

276 100

277 96.9 21.4 32.2#

138 108.2 31.4 47.0#

