

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE022315\
 Data File : BE089653.D
 Acq On : 23 Feb 2015 22:51
 Operator : TP/JJ
 Sample : SSTDICC002
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Feb 24 03:18:01 2015

Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIMPAH-BE022315.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Feb 24 03:06:59 2015

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.34	152	37405	5.00	ng	0.00
4) Naphthalene-d8	12.24	136	159784	5.00	ng	0.00
8) Acenaphthene-d10	16.43	164	74546	5.00	ng	0.00
13) Phenanthrene-d10	19.77	188	132551	5.00	ng	0.00
19) Chrysene-d12	23.66	240	109869	5.00	ng	0.00
25) Perylene-d12	25.34	264	85426	5.00	ng	0.00

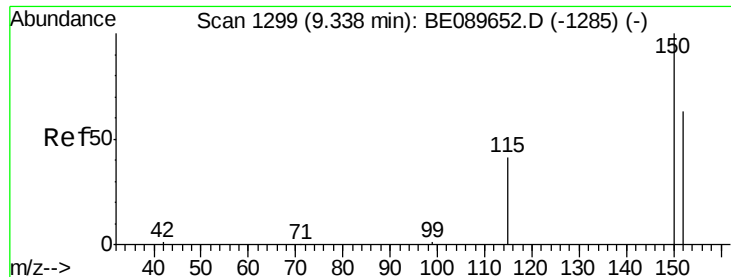
System Monitoring Compounds

5) Nitrobenzene-d5	10.61	82	17581	2.42	ng	0.00
9) 2-Fluorobiphenyl	14.88	172	35733	1.84	ng	0.00
21) Terphenyl-d14	22.30	244	40311	2.28	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.69	88	10418	1.68	ng	98
3) n-Nitrosodimethylamine	3.34	42	13780	2.09	ng	100
6) Naphthalene	12.29	128	65686	1.81	ng	100
7) 2-Methylnaphthalene	13.95	142	38410	1.88	ng	97
10) Acenaphthylene	16.06	152	226702	1.84	ng	100
11) Acenaphthene	16.49	154	35525	1.80	ng	99
12) Fluorene	17.74	166	39175	1.90	ng	100
14) Hexachlorobenzene	18.99	284	7177	1.75	ng	98
15) Pentachlorophenol	19.43	266	936	0.92	ng	95
16) Phenanthrene	19.81	178	58414	1.76	ng	100
17) Anthracene	19.91	178	52816	1.97	ng	100
18) Fluoranthene	21.72	202	53415	2.22	ng	100
20) Pyrene	22.03	202	58405	1.69	ng	100
22) Benzo(a)anthracene	23.65	228	163940	2.03	ng	97
23) Chrysene	23.68	228	204427	1.72	ng	96
24) Indeno(1,2,3-cd)pyrene	26.74	276	101775	2.27	ng	# 92
26) Benzo(b)fluoranthene	24.91	252	20575	2.52	ng	98
27) Benzo(k)fluoranthene	24.94	252	49401	2.30	ng	99
28) Benzo(a)pyrene	25.27	252	22550	2.39	ng	98
29) Dibenzo(a,h)anthracene	26.77	278	19172	2.42	ng	97
30) Benzo(g,h,i)perylene	27.16	276	101860	2.08	ng	97

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



#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 9.34 min Scan# 1299

Delta R.T. 0.00 min

Lab File: BE089653.D

Acq: 23 Feb 2015 22:51

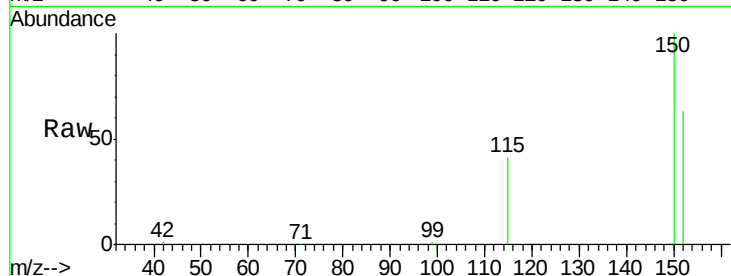
Tgt Ion: 152 Resp: 37405

Ion Ratio Lower Upper

152 100

150 158.0 127.0 190.6

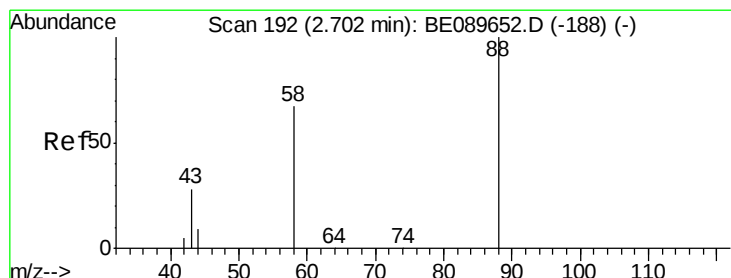
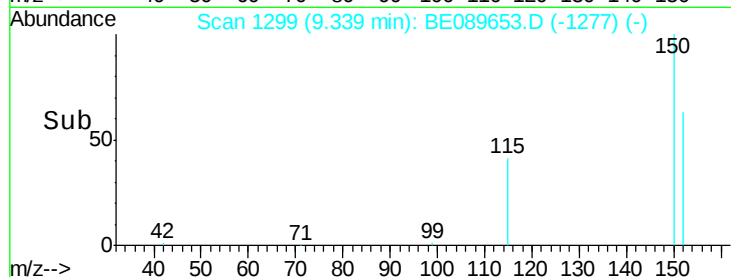
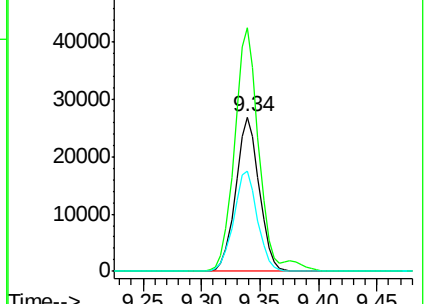
115 64.7 52.4 78.6



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 1.68 ng

RT: 2.69 min Scan# 191

Delta R.T. -0.01 min

Lab File: BE089653.D

Acq: 23 Feb 2015 22:51

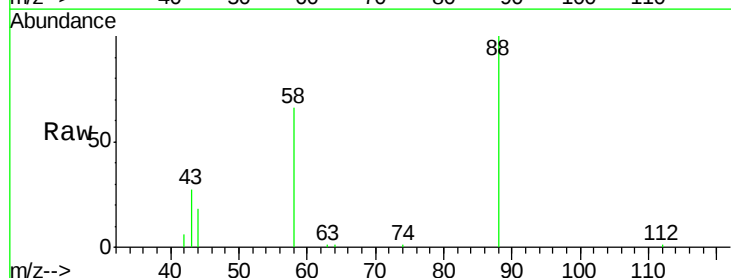
Tgt Ion: 88 Resp: 10418

Ion Ratio Lower Upper

88 100

58 75.1 61.8 92.6

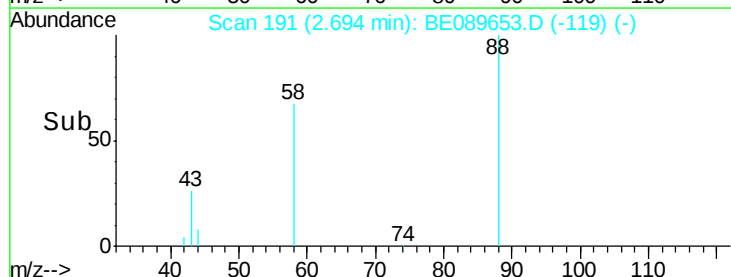
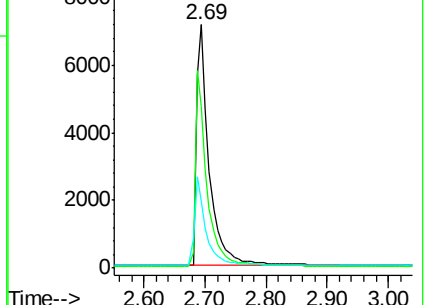
43 32.9 26.4 39.6

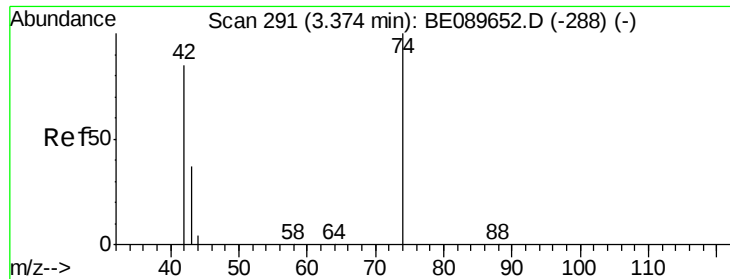


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0

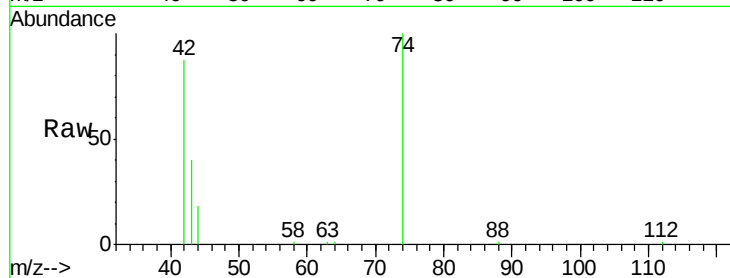




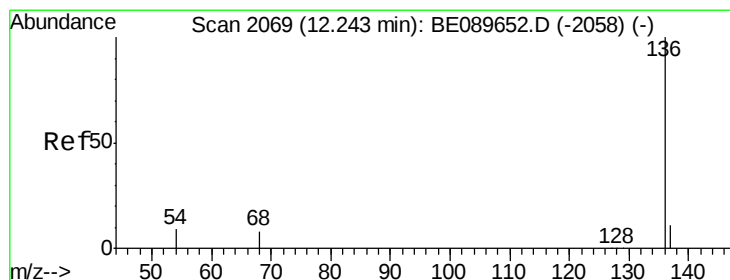
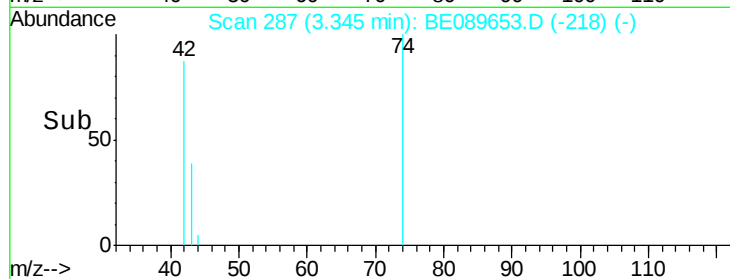
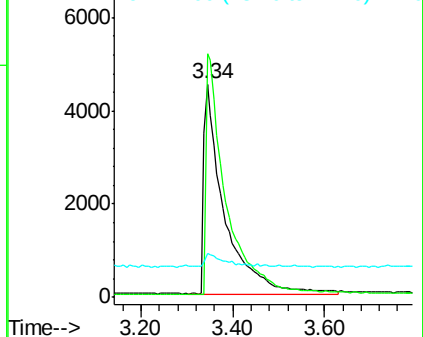
#3

n-Nitrosodimethylamine
 Concen: 2.09 ng
 RT: 3.34 min Scan# 287
 Delta R.T. -0.03 min
 Lab File: BE089653.D
 Acq: 23 Feb 2015 22:51

Tgt Ion: 42 Resp: 13780
 Ion Ratio Lower Upper
 42 100
 74 115.2 92.5 138.7
 44 6.0 4.9 7.3



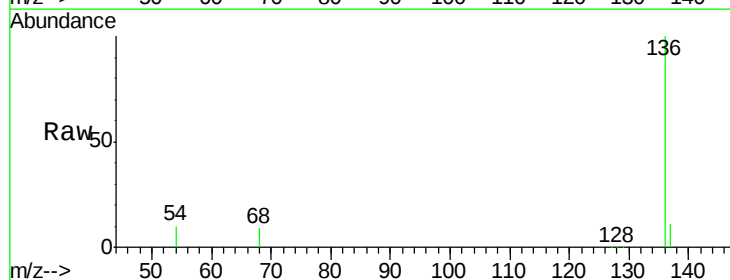
Abundance Ion 42.00 (41.70 to 42.70): BE0
 Ion 74.00 (73.70 to 74.70): BE0
 Ion 44.00 (43.70 to 44.70): BE0



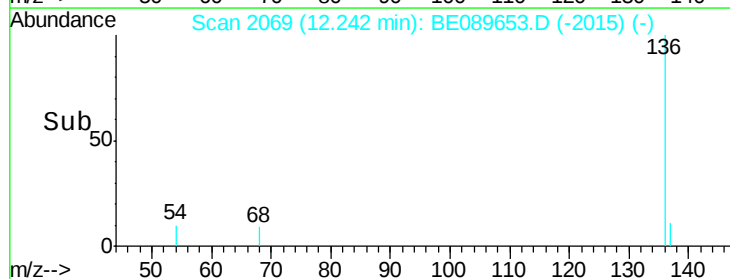
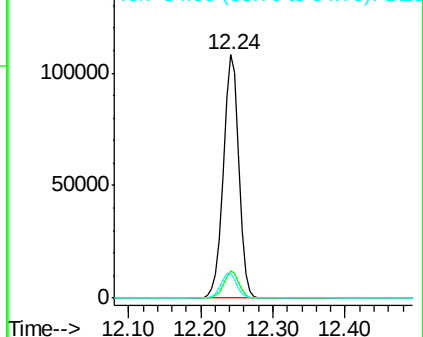
#4

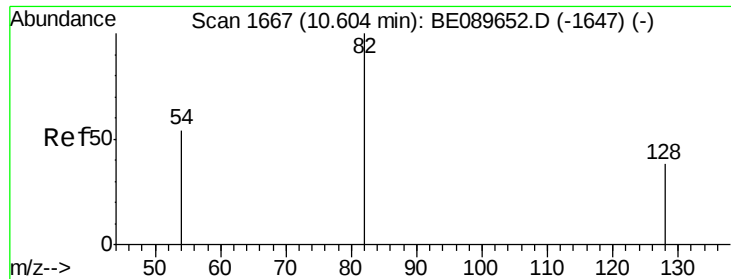
Naphthalene-d8
 Concen: 5.00 ng
 RT: 12.24 min Scan# 2069
 Delta R.T. -0.00 min
 Lab File: BE089653.D
 Acq: 23 Feb 2015 22:51

Tgt Ion: 136 Resp: 159784
 Ion Ratio Lower Upper
 136 100
 137 11.1 8.7 13.1
 54 10.4 7.5 11.3



Abundance Ion 136.00 (135.70 to 136.70): E
 Ion 137.00 (136.70 to 137.70): E
 Ion 54.00 (53.70 to 54.70): BE0





#5

Nitrobenzene-d5

Concen: 2.42 ng

RT: 10.61 min Scan# 1668

Delta R.T. 0.00 min

Lab File: BE089653.D

Acq: 23 Feb 2015 22:51

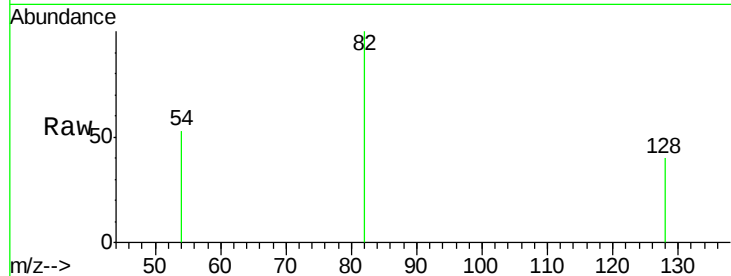
Tgt Ion: 82 Resp: 17581

Ion Ratio Lower Upper

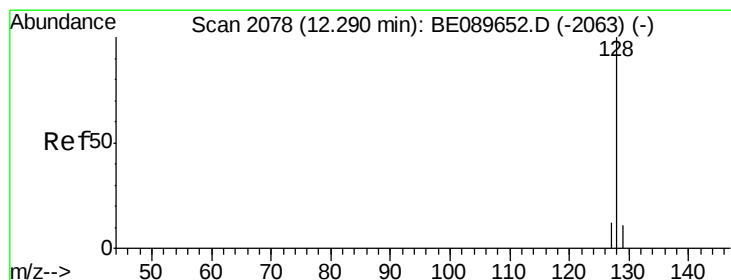
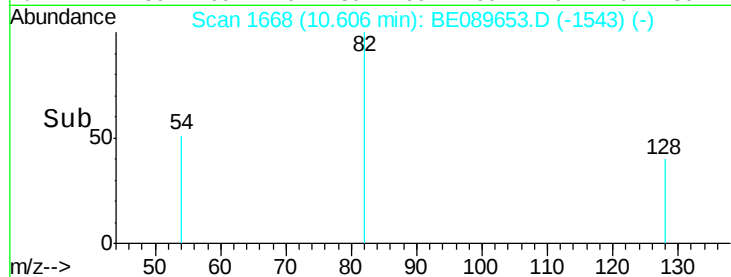
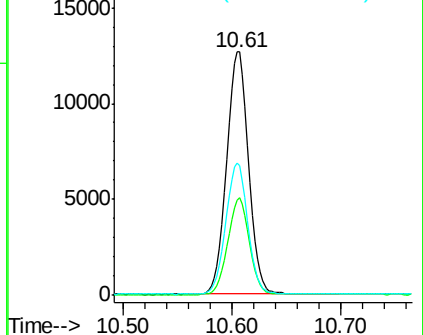
82 100

128 40.0 31.0 46.4

54 53.0 43.8 65.8



Abundance Ion 82.00 (81.70 to 82.70): BE0
Ion 128.00 (127.70 to 128.70): BE0
Ion 54.00 (53.70 to 54.70): BE0



#6

Naphthalene

Concen: 1.81 ng

RT: 12.29 min Scan# 2078

Delta R.T. -0.00 min

Lab File: BE089653.D

Acq: 23 Feb 2015 22:51

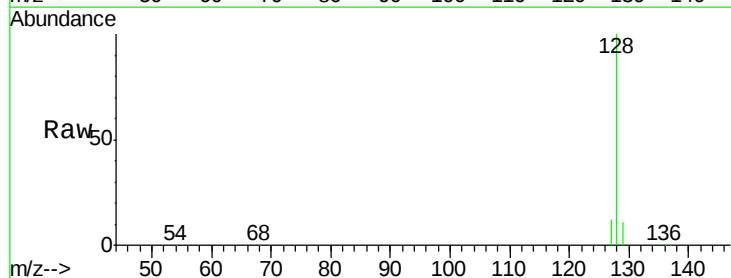
Tgt Ion: 128 Resp: 65686

Ion Ratio Lower Upper

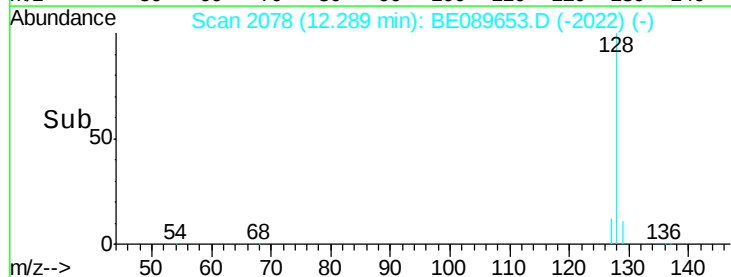
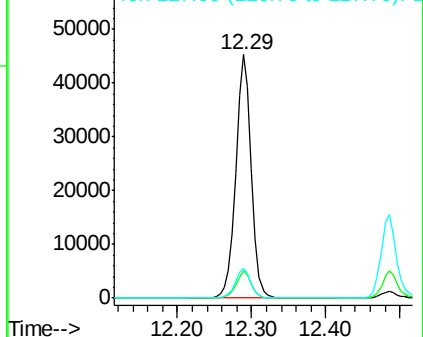
128 100

129 11.0 8.8 13.2

127 12.4 9.8 14.6



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: 1.88 ng

RT: 13.95 min Scan# 2417

Delta R.T. 0.00 min

Lab File: BE089653.D

Acq: 23 Feb 2015 22:51

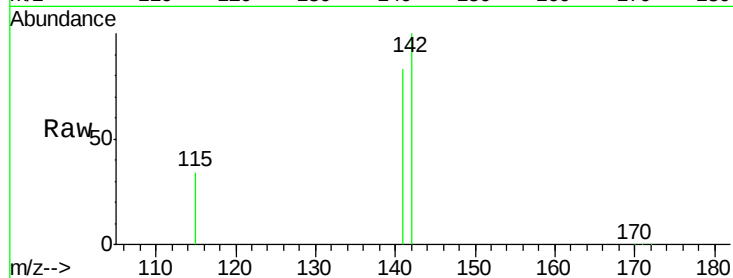
Tgt Ion:142 Resp: 38410

Ion Ratio Lower Upper

142 100

141 83.0 68.6 103.0

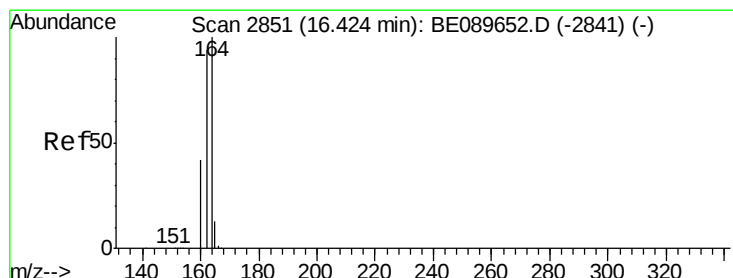
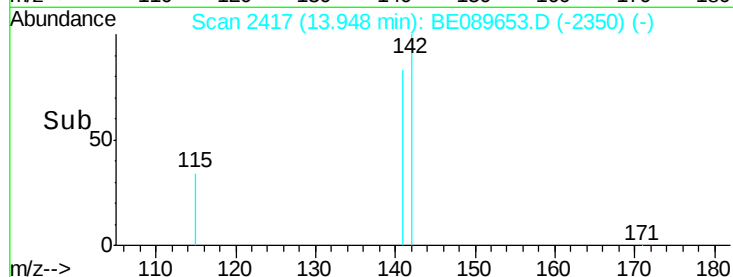
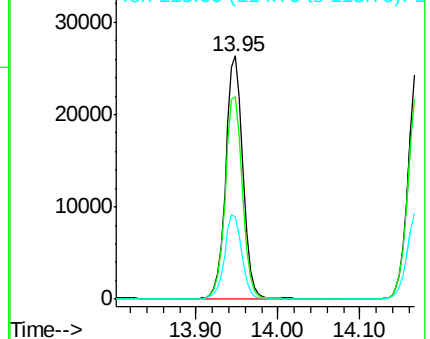
115 33.9 29.0 43.6



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#8

Acenaphthene-d10

Concen: 5.00 ng

RT: 16.43 min Scan# 2852

Delta R.T. 0.00 min

Lab File: BE089653.D

Acq: 23 Feb 2015 22:51

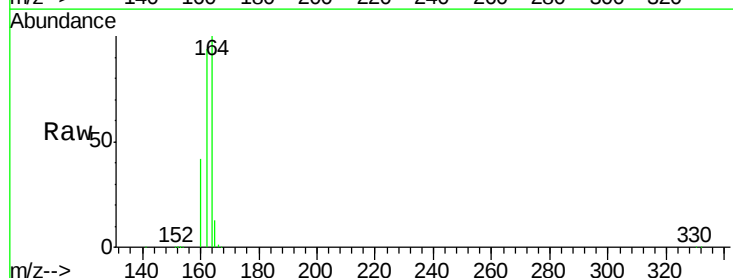
Tgt Ion:164 Resp: 74546

Ion Ratio Lower Upper

164 100

162 93.8 75.4 113.2

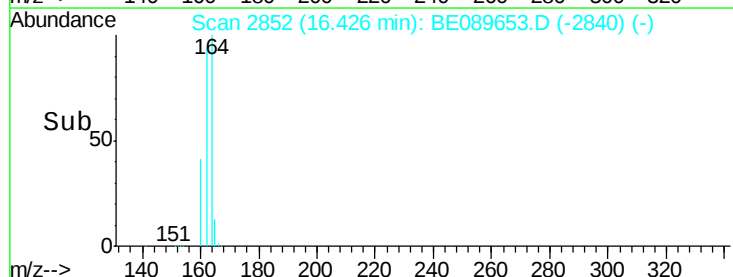
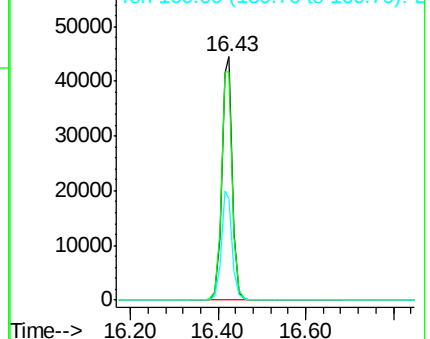
160 41.5 33.7 50.5



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

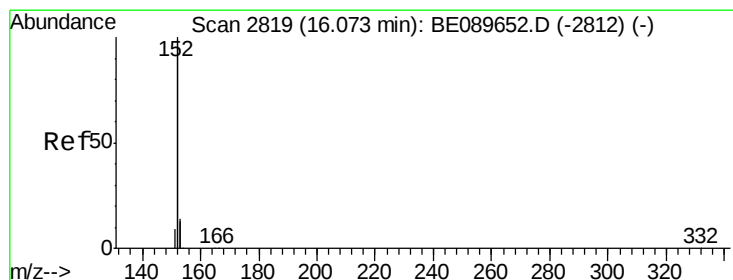
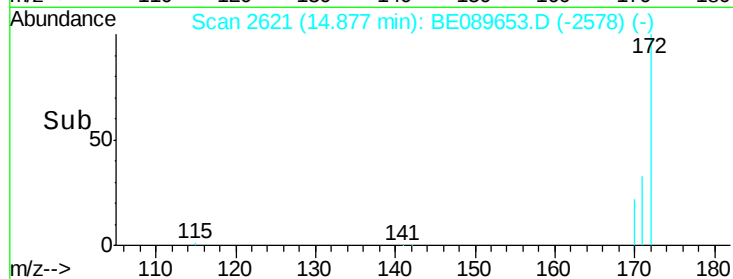
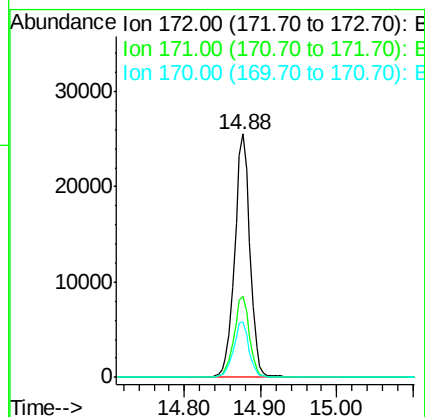
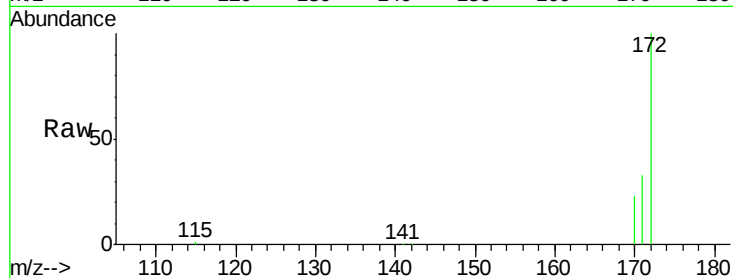
Ion 160.00 (159.70 to 160.70): E





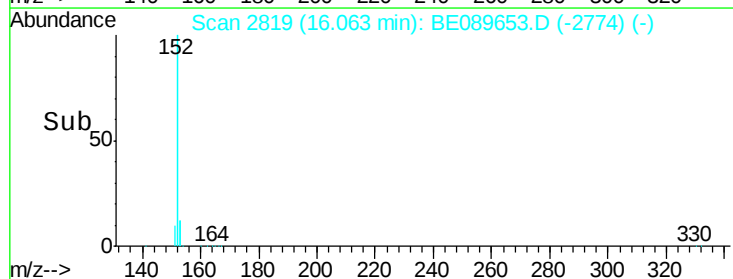
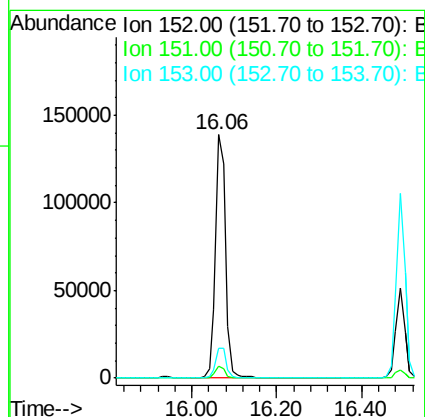
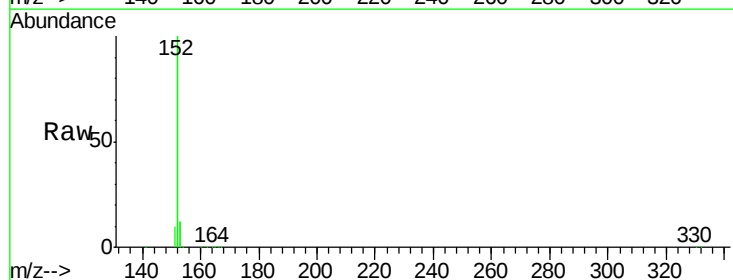
#9
 2-Fluorobiphenyl
 Concen: 1.84 ng
 RT: 14.88 min Scan# 2621
 Delta R.T. -0.00 min
 Lab File: BE089653.D
 Acq: 23 Feb 2015 22:51

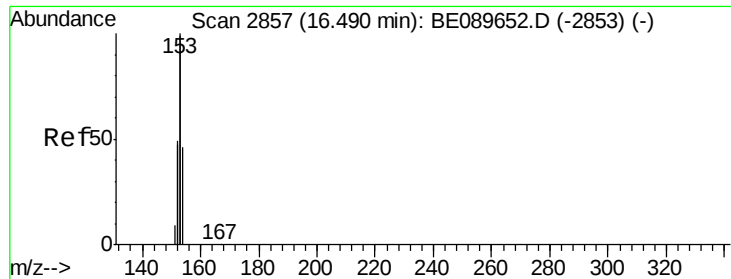
Tgt Ion:172 Resp: 35733
 Ion Ratio Lower Upper
 172 100
 171 33.1 26.2 39.4
 170 22.6 17.7 26.5



#10
 Acenaphthylene
 Concen: 1.84 ng
 RT: 16.06 min Scan# 2819
 Delta R.T. -0.01 min
 Lab File: BE089653.D
 Acq: 23 Feb 2015 22:51

Tgt Ion:152 Resp: 226702
 Ion Ratio Lower Upper
 152 100
 151 4.8 3.8 5.6
 153 12.9 10.4 15.6





#11

Acenaphthene

Concen: 1.80 ng

RT: 16.49 min Scan# 2858

Delta R.T. 0.00 min

Lab File: BE089653.D

Acq: 23 Feb 2015 22:51

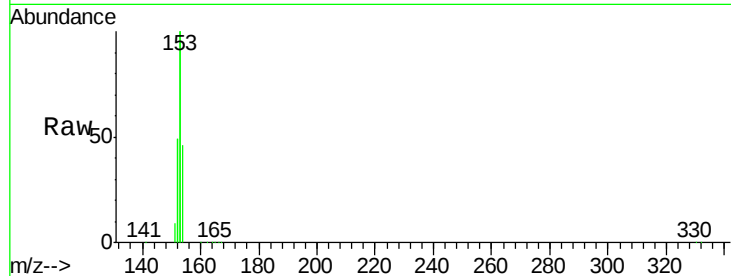
Tgt Ion:154 Resp: 35525

Ion Ratio Lower Upper

154 100

153 429.9 343.0 514.4

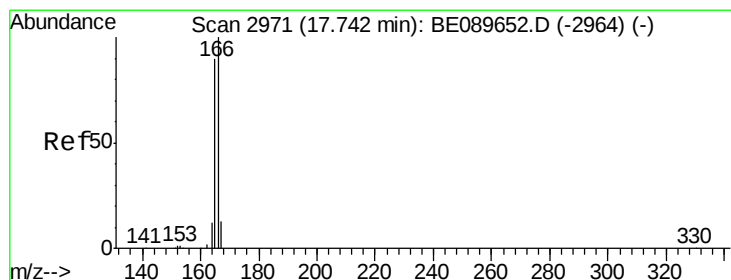
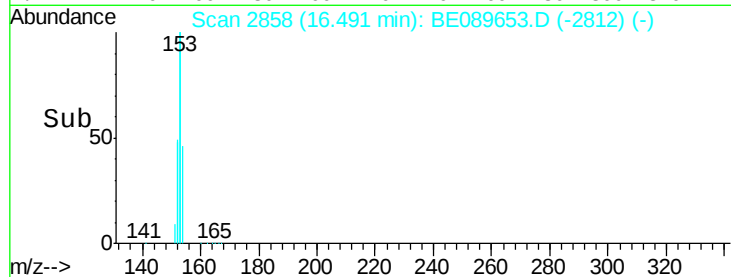
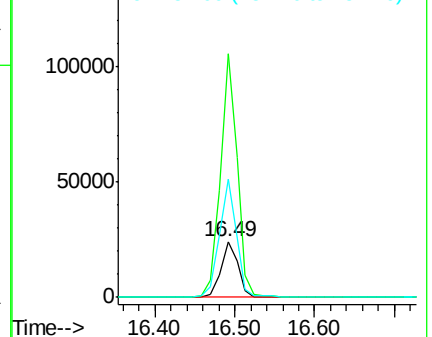
152 208.5 165.8 248.8



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#12

Fluorene

Concen: 1.90 ng

RT: 17.74 min Scan# 2972

Delta R.T. 0.00 min

Lab File: BE089653.D

Acq: 23 Feb 2015 22:51

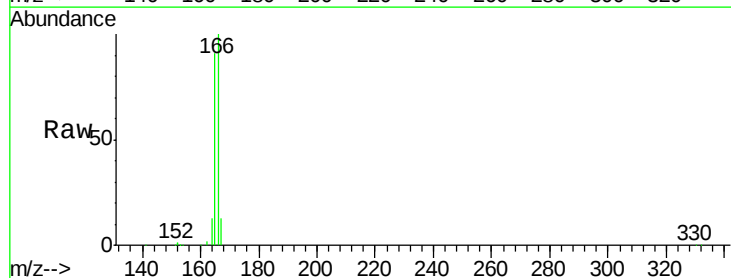
Tgt Ion:166 Resp: 39175

Ion Ratio Lower Upper

166 100

165 92.0 73.6 110.4

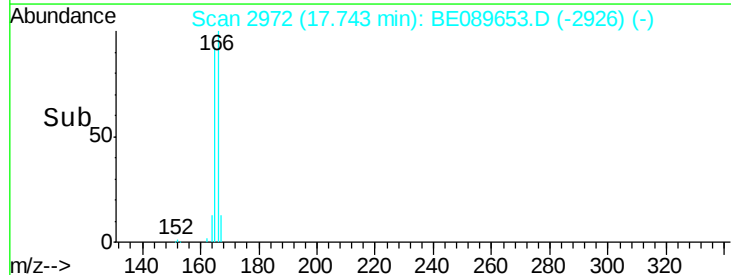
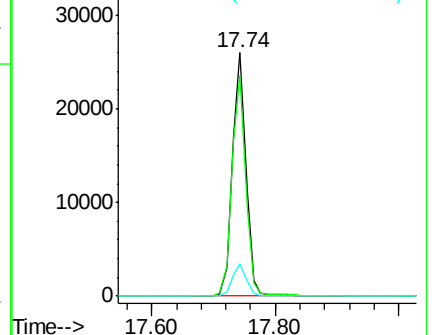
167 13.2 10.5 15.7

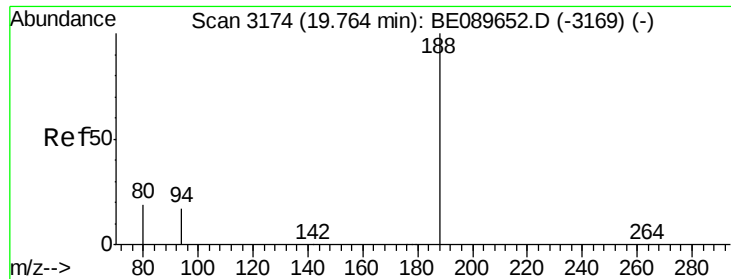


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

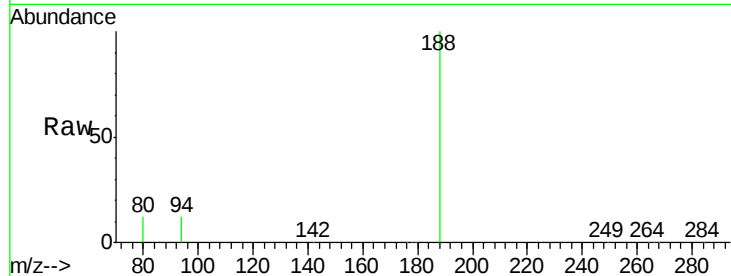
Ion 167.00 (166.70 to 167.70): E



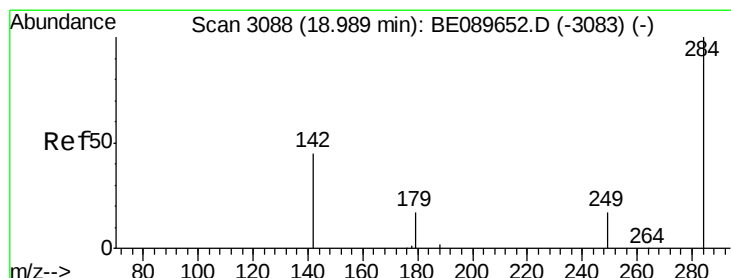
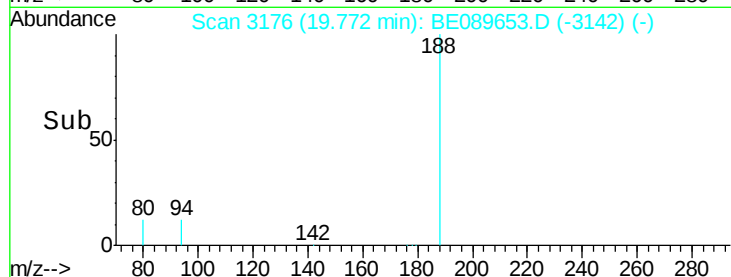
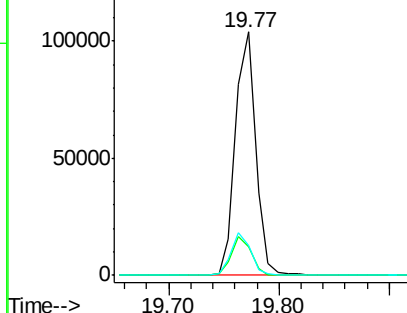


#13
Phenanthrene-d10
Concen: 5.00 ng
RT: 19.77 min Scan# 3176
Delta R.T. 0.01 min
Lab File: BE089653.D
Acq: 23 Feb 2015 22:51

Tgt Ion:188 Resp: 132551
Ion Ratio Lower Upper
188 100
94 11.9 13.8 20.8#
80 12.1 15.0 22.6#

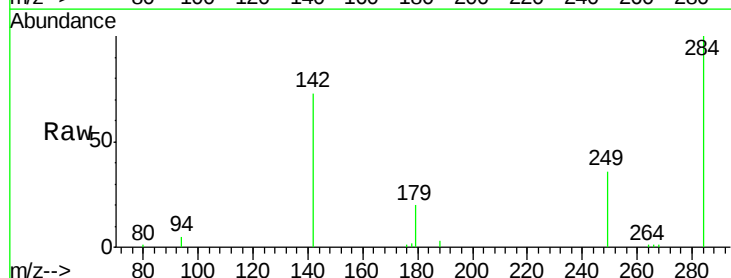


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BE0
Ion 80.00 (79.70 to 80.70): BE0

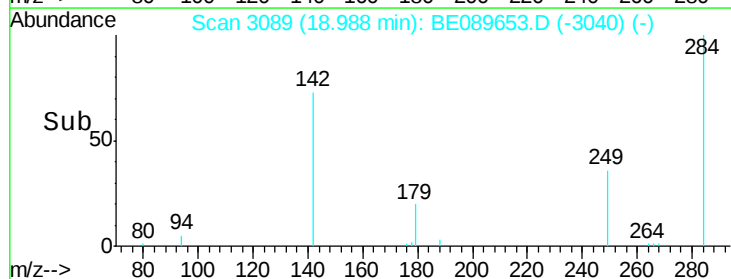
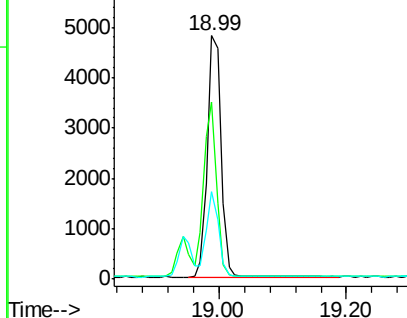


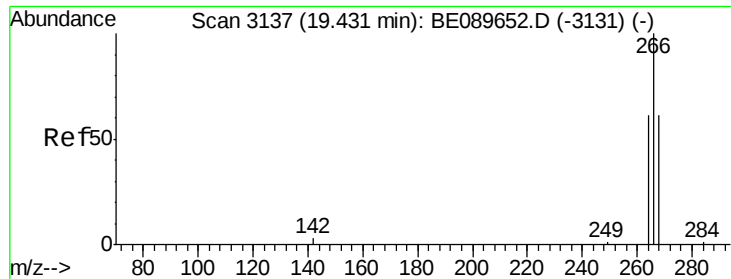
#14
Hexachlorobenzene
Concen: 1.75 ng
RT: 18.99 min Scan# 3089
Delta R.T. -0.00 min
Lab File: BE089653.D
Acq: 23 Feb 2015 22:51

Tgt Ion:284 Resp: 7177
Ion Ratio Lower Upper
284 100
142 66.9 55.0 82.6
249 32.3 26.1 39.1



Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E





#15

Pentachlorophenol

Concen: 0.92 ng

RT: 19.43 min Scan# 3138

Delta R.T. -0.00 min

Lab File: BE089653.D

Acq: 23 Feb 2015 22:51

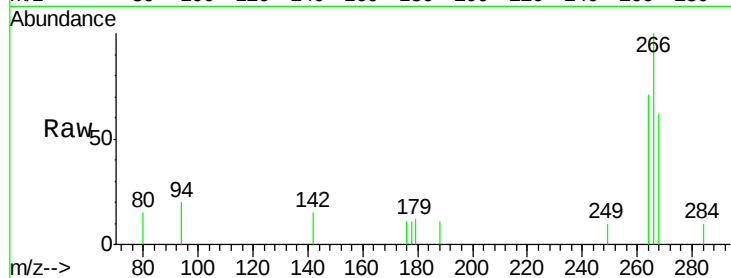
Tgt Ion: 266 Resp: 936

Ion Ratio Lower Upper

266 100

268 62.0 54.7 82.1

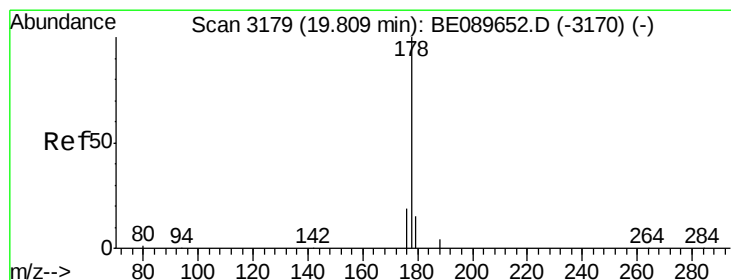
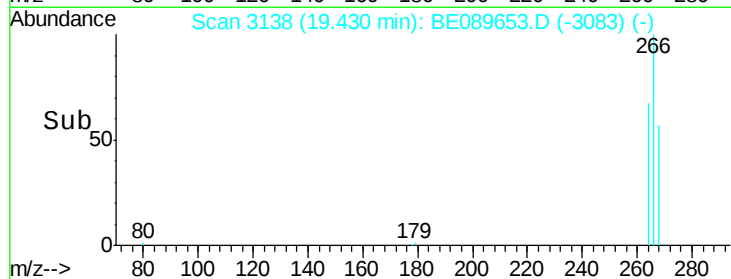
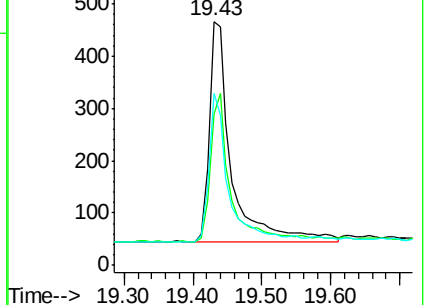
264 70.6 55.4 83.0



Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E



#16

Phenanthrene

Concen: 1.76 ng

RT: 19.81 min Scan# 3180

Delta R.T. -0.00 min

Lab File: BE089653.D

Acq: 23 Feb 2015 22:51

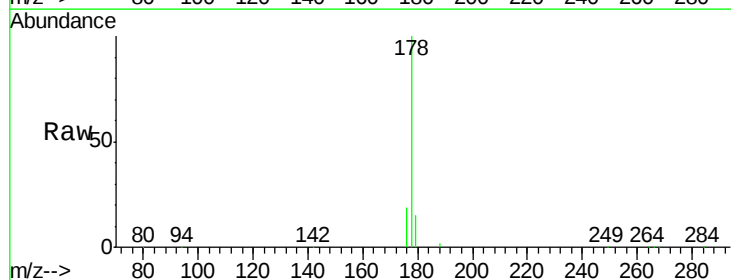
Tgt Ion: 178 Resp: 58414

Ion Ratio Lower Upper

178 100

176 18.8 15.3 22.9

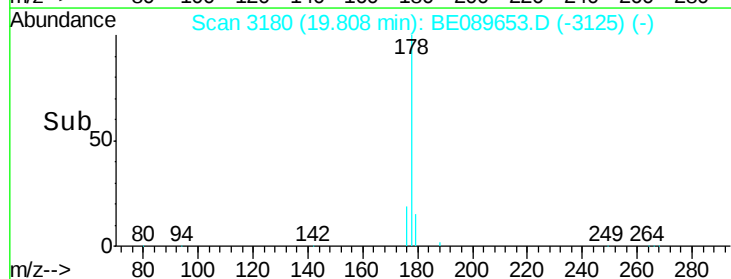
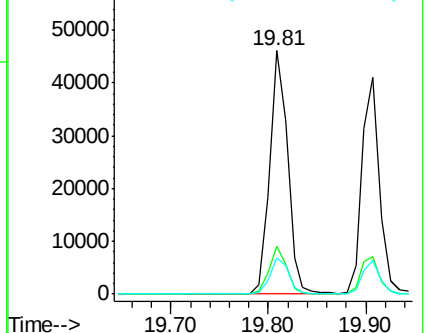
179 15.4 12.3 18.5

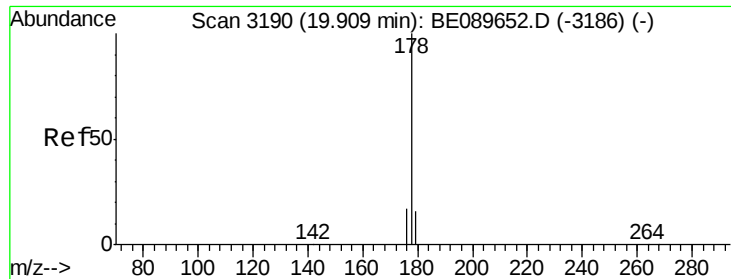


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

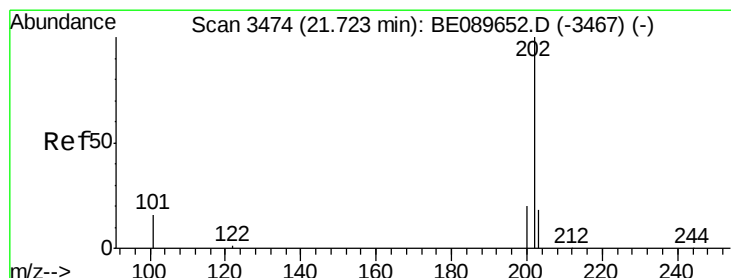
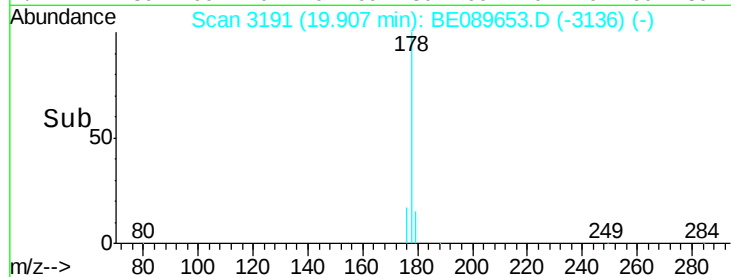
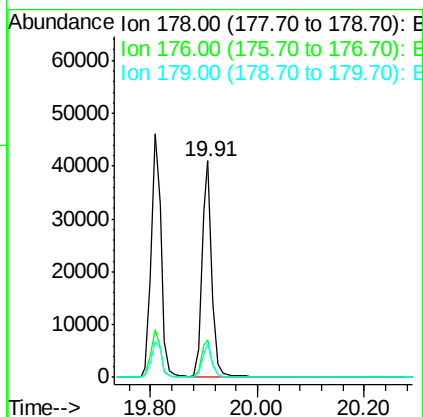
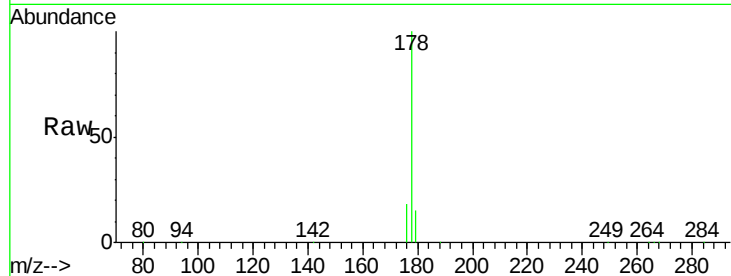
Ion 179.00 (178.70 to 179.70): E





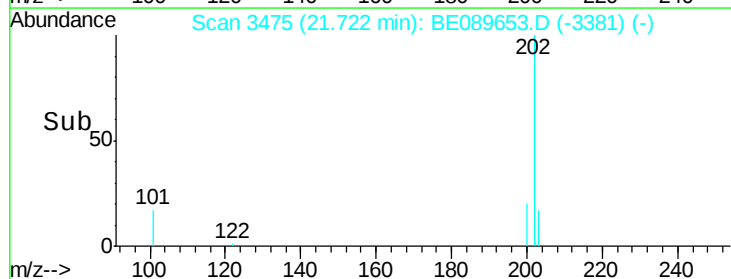
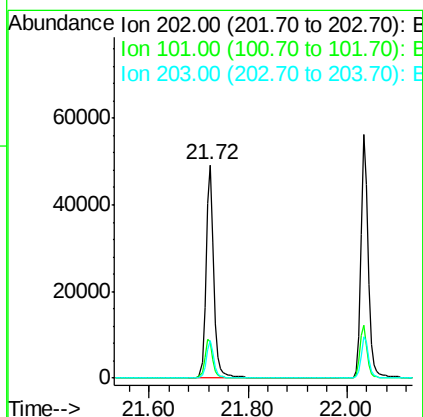
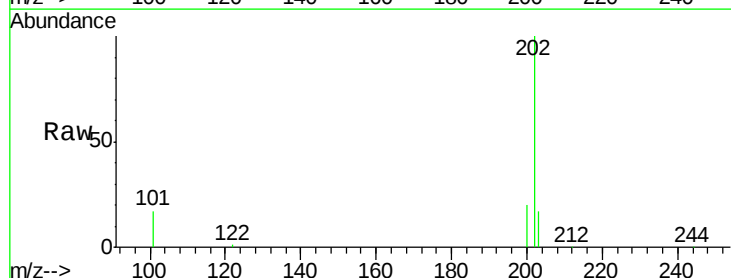
#17
 Anthracene
 Concen: 1.97 ng
 RT: 19.91 min Scan# 3191
 Delta R.T. -0.00 min
 Lab File: BE089653.D
 Acq: 23 Feb 2015 22:51

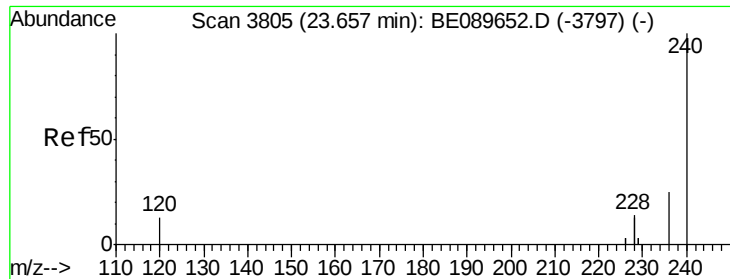
Tgt Ion:178 Resp: 52816
 Ion Ratio Lower Upper
 178 100
 176 18.1 14.3 21.5
 179 15.1 12.1 18.1



#18
 Fluoranthene
 Concen: 2.22 ng
 RT: 21.72 min Scan# 3475
 Delta R.T. -0.00 min
 Lab File: BE089653.D
 Acq: 23 Feb 2015 22:51

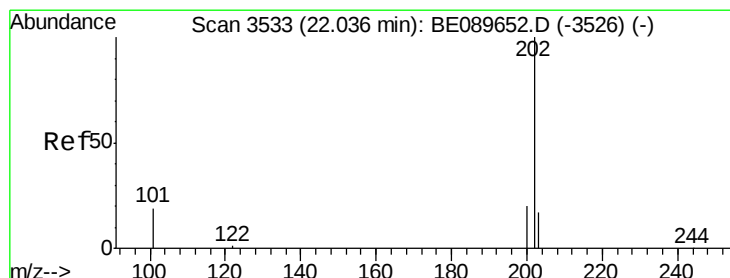
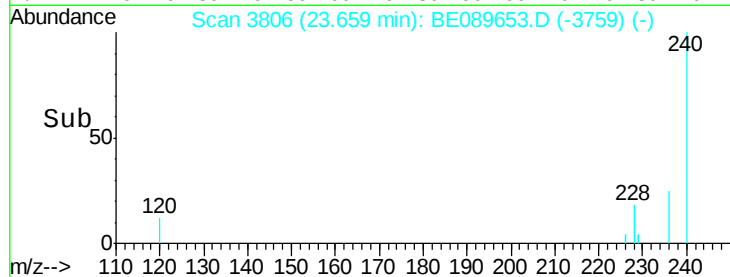
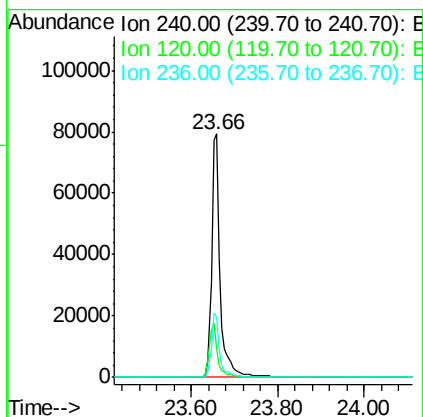
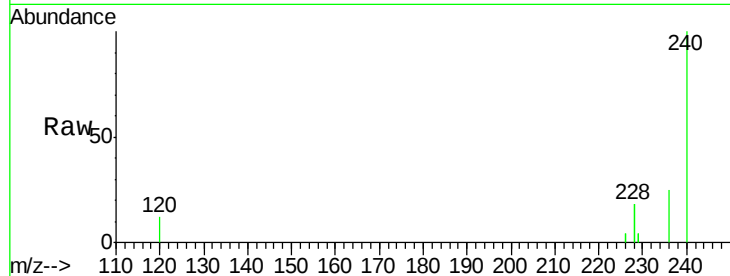
Tgt Ion:202 Resp: 53415
 Ion Ratio Lower Upper
 202 100
 101 18.4 14.9 22.3
 203 17.0 13.7 20.5





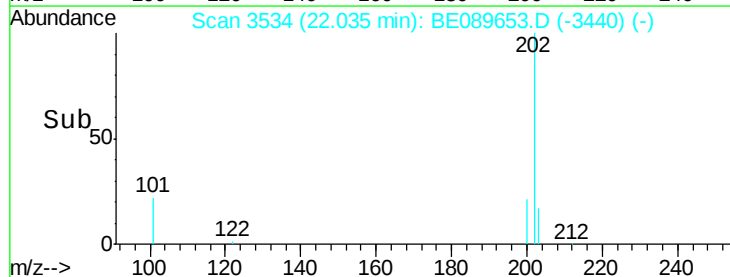
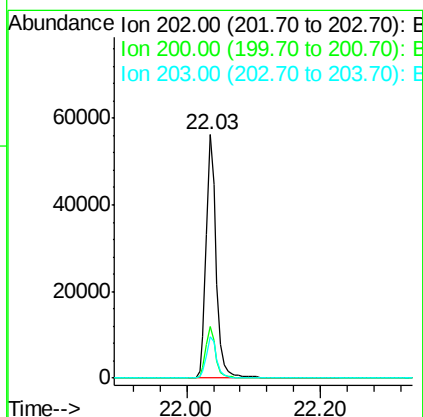
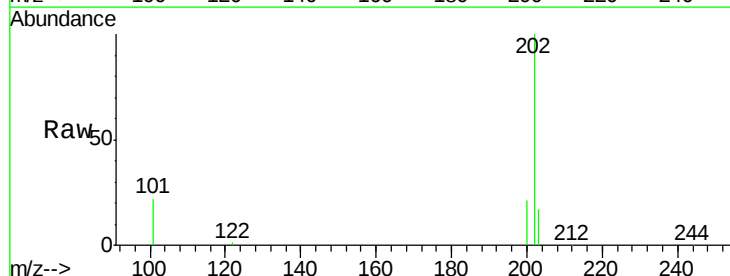
#19
Chrysene-d12
Concen: 5.00 ng
RT: 23.66 min Scan# 3806
Delta R.T. 0.00 min
Lab File: BE089653.D
Acq: 23 Feb 2015 22:51

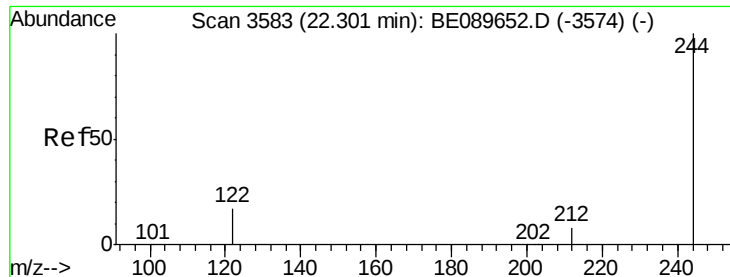
Tgt Ion: 240 Resp: 109869
Ion Ratio Lower Upper
240 100
120 11.8 10.6 15.8
236 24.8 20.3 30.5



#20
Pyrene
Concen: 1.69 ng
RT: 22.03 min Scan# 3534
Delta R.T. -0.00 min
Lab File: BE089653.D
Acq: 23 Feb 2015 22:51

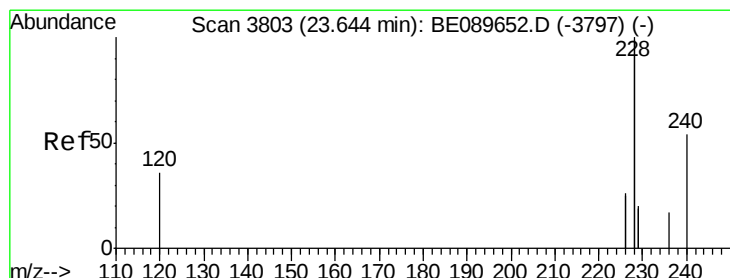
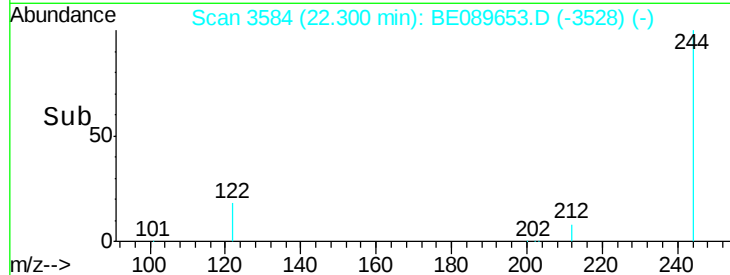
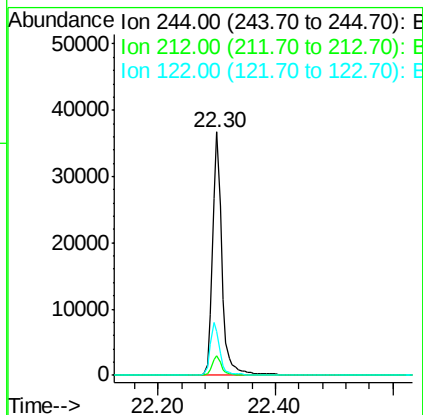
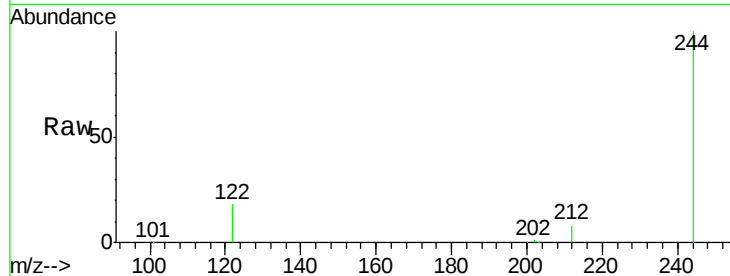
Tgt Ion: 202 Resp: 58405
Ion Ratio Lower Upper
202 100
200 20.7 16.5 24.7
203 17.3 13.8 20.6





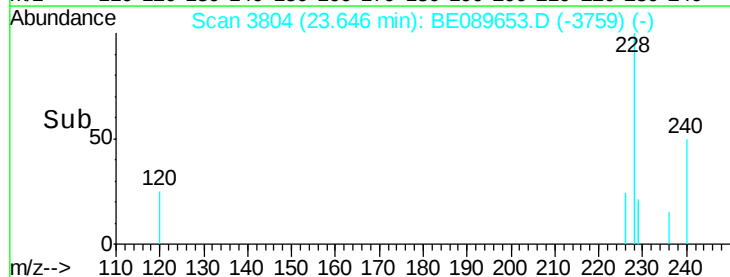
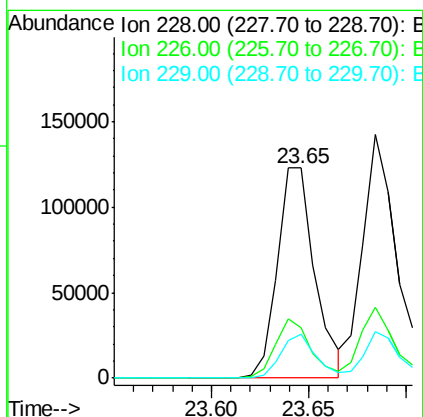
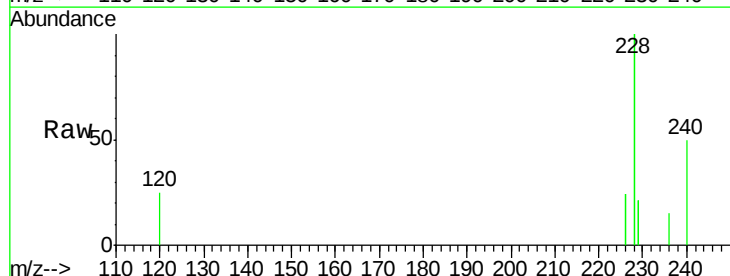
#21
 Terphenyl-d14
 Concen: 2.28 ng
 RT: 22.30 min Scan# 3584
 Delta R.T. -0.00 min
 Lab File: BE089653.D
 Acq: 23 Feb 2015 22:51

Tgt Ion: 244 Resp: 40311
 Ion Ratio Lower Upper
 244 100
 212 8.2 6.6 10.0
 122 18.1 13.7 20.5



#22
 Benzo(a)anthracene
 Concen: 2.03 ng
 RT: 23.65 min Scan# 3804
 Delta R.T. 0.00 min
 Lab File: BE089653.D
 Acq: 23 Feb 2015 22:51

Tgt Ion: 228 Resp: 163940
 Ion Ratio Lower Upper
 228 100
 226 24.2 20.9 31.3
 229 20.6 15.8 23.6





#23

Chrysene

Concen: 1.72 ng

RT: 23.68 min Scan# 3810

Delta R.T. -0.00 min

Lab File: BE089653.D

Acq: 23 Feb 2015 22:51

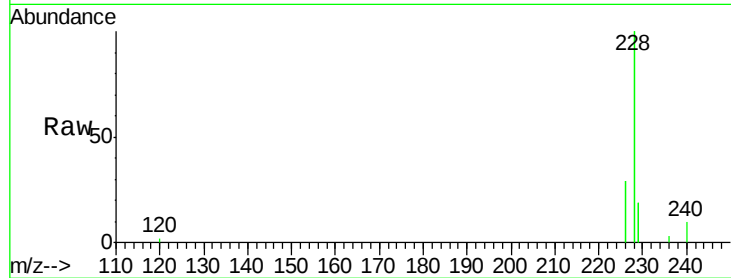
Tgt Ion: 228 Resp: 204427

Ion Ratio Lower Upper

228 100

226 29.3 22.0 33.0

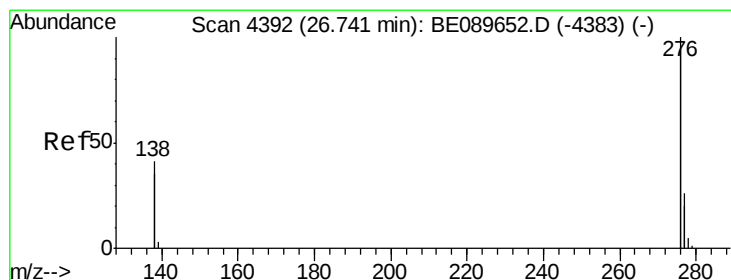
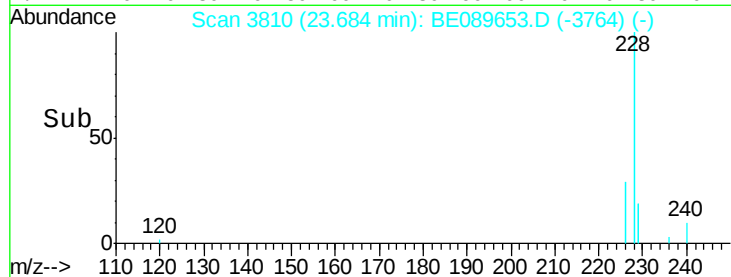
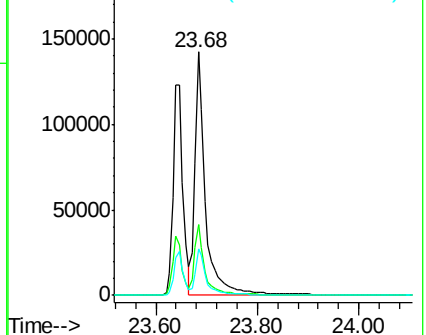
229 18.9 16.6 24.8



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



#24

Indeno(1,2,3-cd)pyrene

Concen: 2.27 ng

RT: 26.74 min Scan# 4393

Delta R.T. 0.00 min

Lab File: BE089653.D

Acq: 23 Feb 2015 22:51

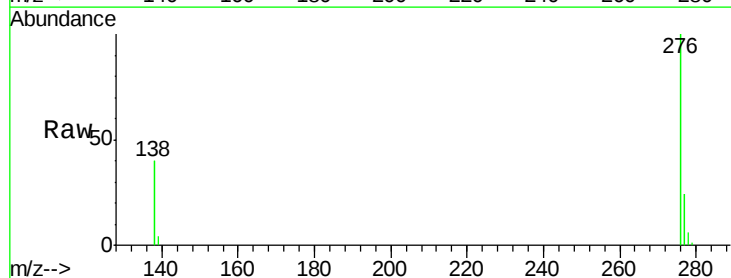
Tgt Ion: 276 Resp: 101775

Ion Ratio Lower Upper

276 100

138 44.1 36.2 54.4

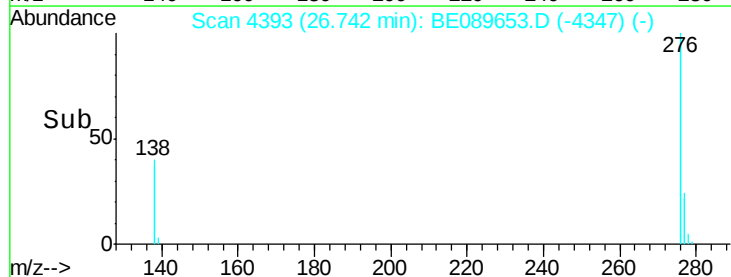
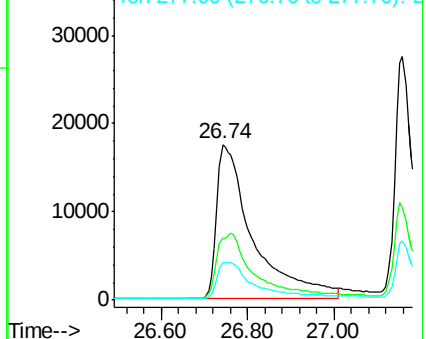
277 25.0 5.4 8.2#

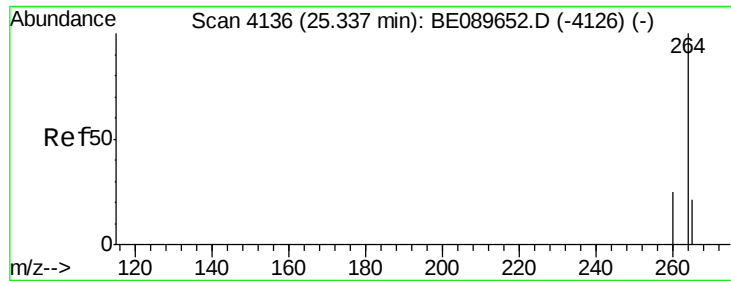


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

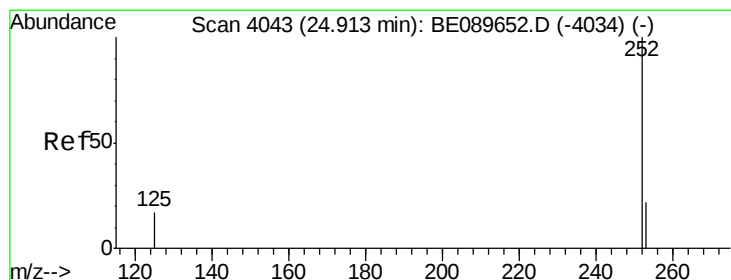
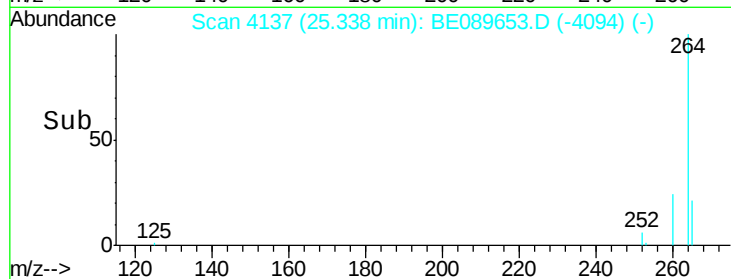
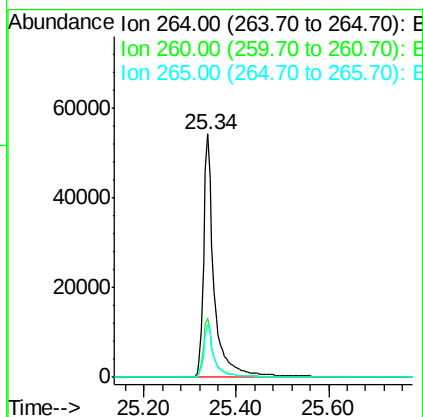
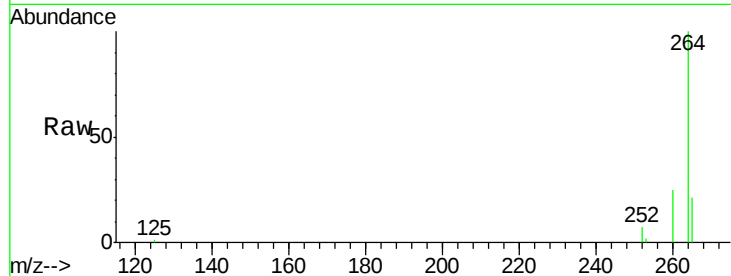




#25
 Perylene-d12
 Concen: 5.00 ng
 RT: 25.34 min Scan# 4137
 Delta R.T. 0.00 min
 Lab File: BE089653.D
 Acq: 23 Feb 2015 22:51

Tgt Ion: 264 Resp: 85426

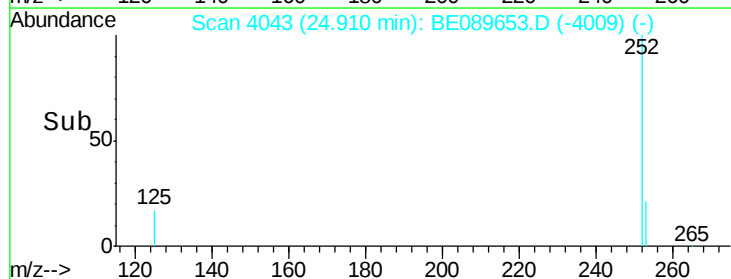
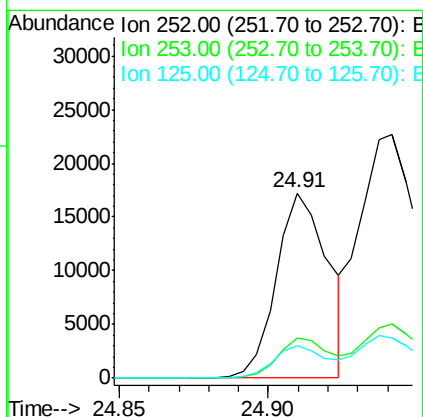
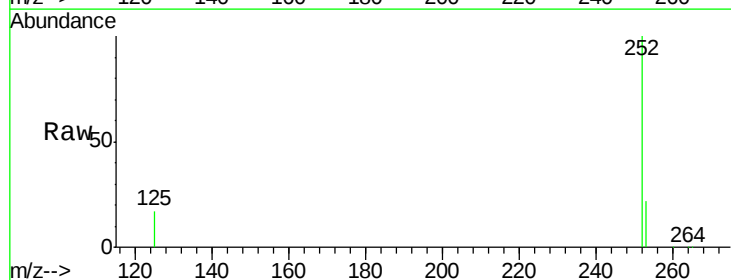
Ion	Ratio	Lower	Upper
264	100		
260	24.5	20.0	30.0
265	21.5	16.8	25.2

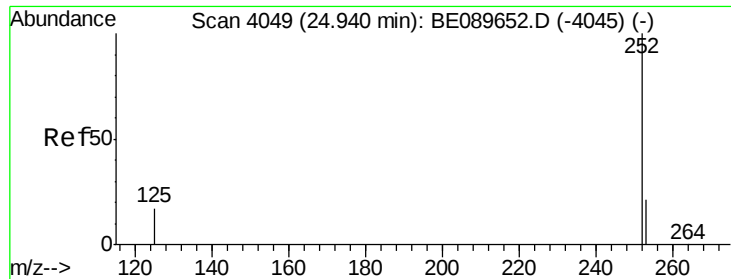


#26
 Benzo(b)fluoranthene
 Concen: 2.52 ng
 RT: 24.91 min Scan# 4043
 Delta R.T. -0.00 min
 Lab File: BE089653.D
 Acq: 23 Feb 2015 22:51

Tgt Ion: 252 Resp: 20575

Ion	Ratio	Lower	Upper
252	100		
253	21.6	18.3	27.5
125	17.4	14.6	22.0





#27

Benzo(k)fluoranthene

Concen: 2.30 ng

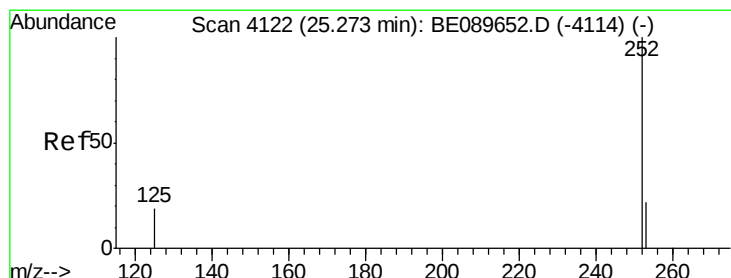
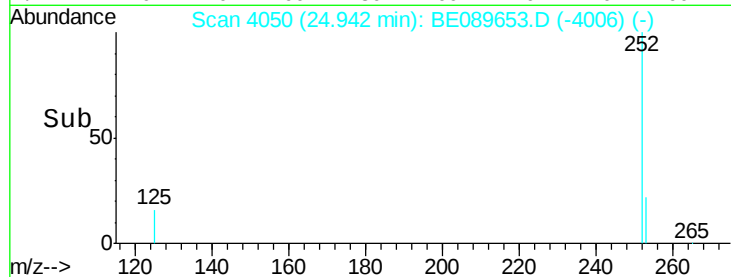
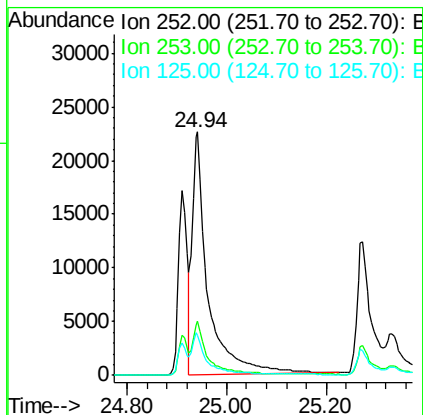
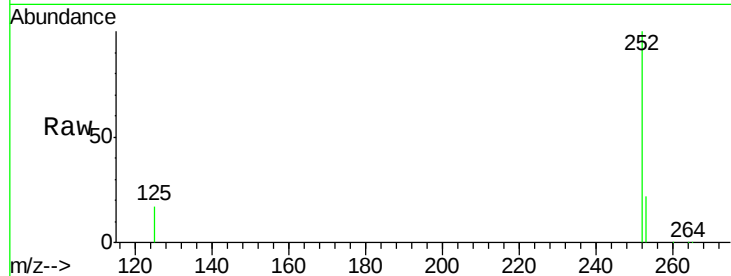
RT: 24.94 min Scan# 4050

Delta R.T. 0.00 min

Lab File: BE089653.D

Acq: 23 Feb 2015 22:51

Tgt Ion:	252	Resp:	49401
Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.8	26.8
125	16.5	14.3	21.5



#28

Benzo(a)pyrene

Concen: 2.39 ng

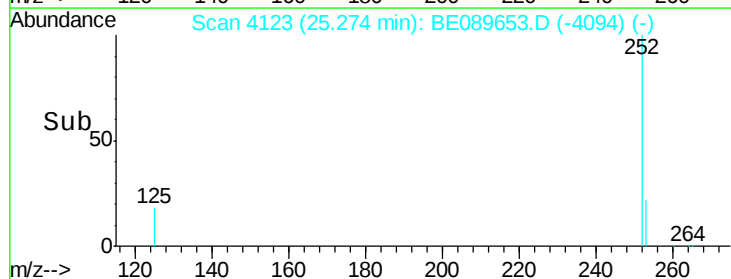
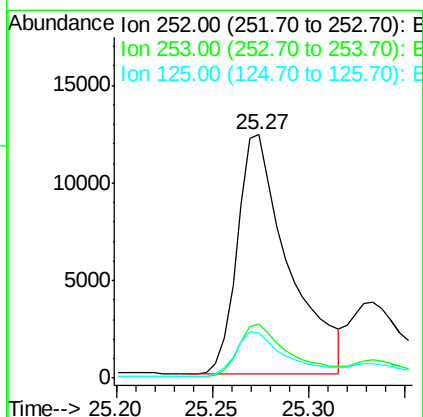
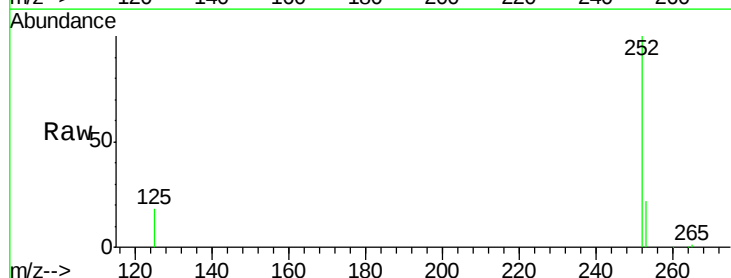
RT: 25.27 min Scan# 4123

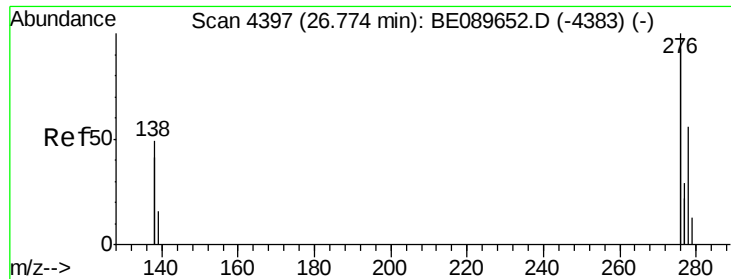
Delta R.T. 0.00 min

Lab File: BE089653.D

Acq: 23 Feb 2015 22:51

Tgt Ion:	252	Resp:	22550
Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.4	27.6
125	18.4	15.9	23.9





#29

Dibenzo(a,h)anthracene

Concen: 2.42 ng

RT: 26.77 min Scan# 4398

Delta R.T. 0.00 min

Lab File: BE089653.D

Acq: 23 Feb 2015 22:51

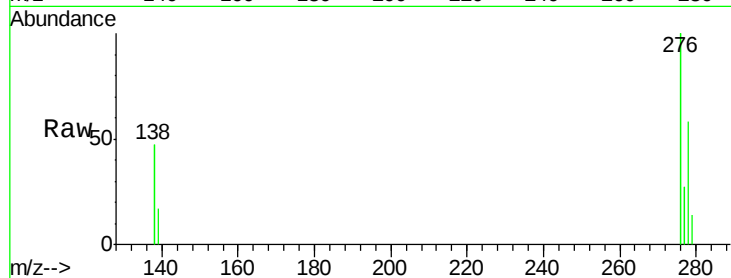
Tgt Ion: 278 Resp: 19172

Ion Ratio Lower Upper

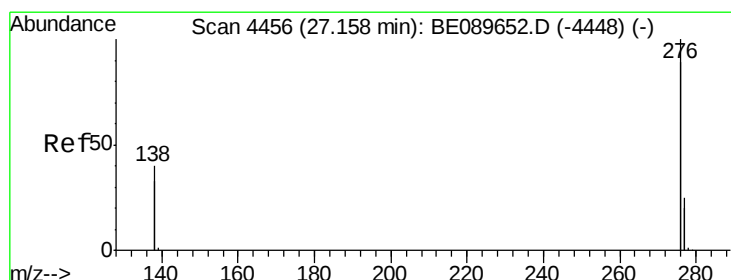
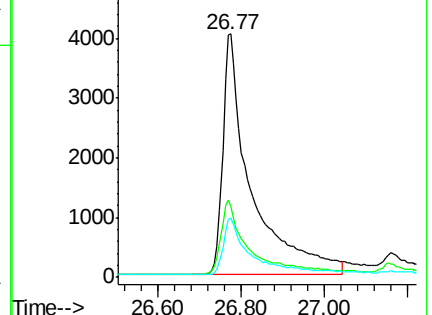
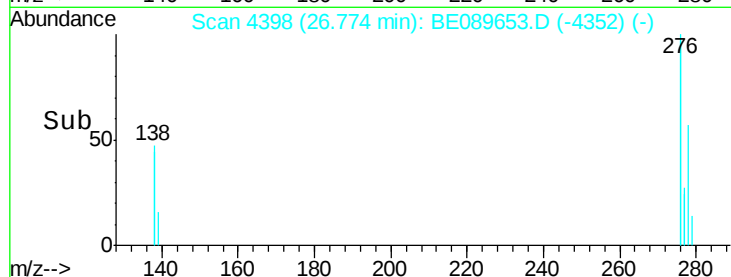
278 100

139 28.9 25.4 38.2

279 24.4 20.0 30.0



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



#30

Benzo(g,h,i)perylene

Concen: 2.08 ng

RT: 27.16 min Scan# 4457

Delta R.T. 0.00 min

Lab File: BE089653.D

Acq: 23 Feb 2015 22:51

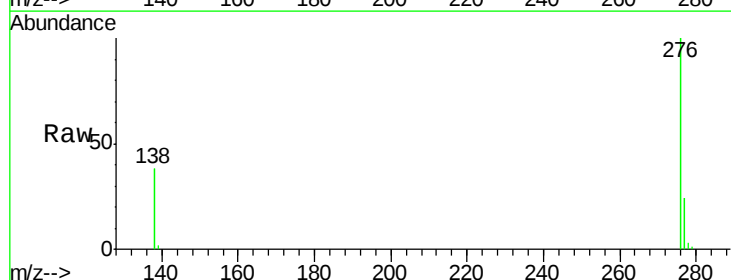
Tgt Ion: 276 Resp: 101860

Ion Ratio Lower Upper

276 100

277 24.3 20.2 30.2

138 38.1 32.4 48.6



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

