

Data Path : Z:\HPCHEM1\BNA E\DATA\BE022315\
 Data File : BE089650.D
 Acq On : 23 Feb 2015 20:54
 Operator : TP/JJ
 Sample : SSTDICC0.5
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 24 03:17:16 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

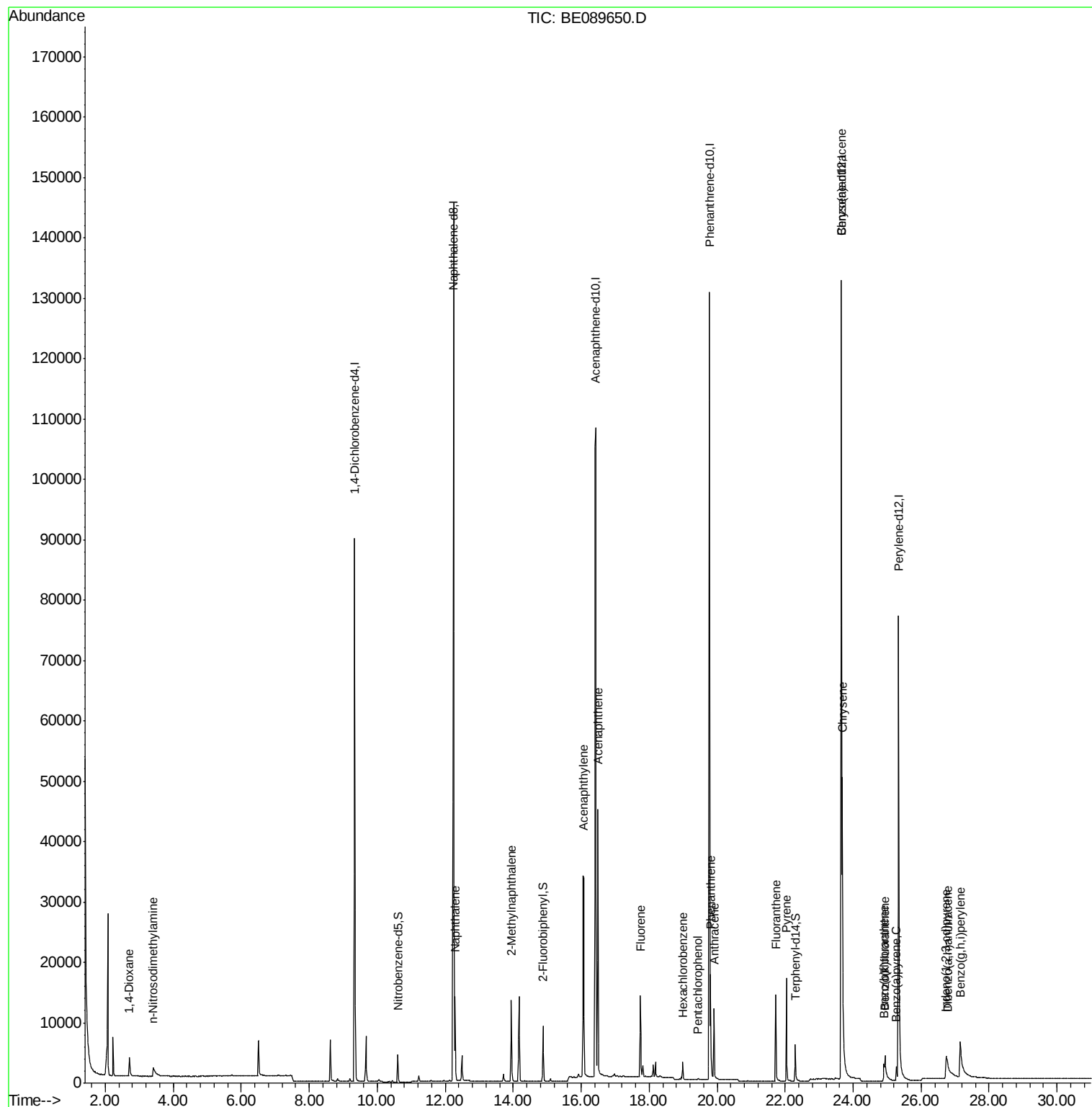
Response via : Initial Calibration

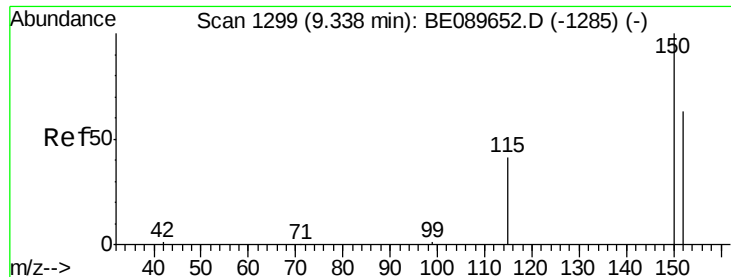
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.34	152	39700	5.00	ng	0.00
4) Naphthalene-d8	12.24	136	168531	5.00	ng	0.00
8) Acenaphthene-d10	16.42	164	74059	5.00	ng	0.00
13) Phenanthrene-d10	19.77	188	137633	5.00	ng	0.00
19) Chrysene-d12	23.66	240	105880	5.00	ng	0.00
25) Perylene-d12	25.34	264	81611	5.00	ng	0.00
System Monitoring Compounds						
5) Nitrobenzene-d5	10.60	82	3490	0.46	ng	0.00
9) 2-Fluorobiphenyl	14.88	172	8623	0.45	ng	0.00
21) Terphenyl-d14	22.30	244	6350	0.37	ng	0.00
Target Compounds						Ovalue
2) 1,4-Dioxane	2.71	88	2420	0.37	ng	99
3) n-Nitrosodimethylamine	3.41	42	2963	0.42	ng	# 97
6) Naphthalene	12.29	128	16864	0.44	ng	99
7) 2-Methylnaphthalene	13.95	142	9393	0.44	ng	96
10) Acenaphthylene	16.06	152	51449	0.42	ng	99
11) Acenaphthene	16.49	154	8751	0.45	ng	98
12) Fluorene	17.74	166	9521	0.46	ng	100
14) Hexachlorobenzene	18.99	284	1843	0.43	ng	98
15) Pentachlorophenol	19.44	266	164	0.16	ng	92
16) Phenanthrene	19.81	178	15101	0.44	ng	99
17) Anthracene	19.91	178	11780	0.42	ng	99
18) Fluoranthene	21.72	202	11827	0.47	ng	99
20) Pyrene	22.04	202	12892	0.39	ng	100
22) Benzo(a)anthracene	23.64	228	32348	0.42	ng	100
23) Chrysene	23.68	228	50772	0.44	ng	95
24) Indeno(1,2,3-cd)pyrene	26.73	276	14500	0.34	ng	# 84
26) Benzo(b)fluoranthene	24.91	252	2850	0.36	ng	99
27) Benzo(k)fluoranthene	24.94	252	8794	0.43	ng	100
28) Benzo(a)pyrene	25.27	252	3303	0.37	ng	99
29) Dibenzo(a,h)anthracene	26.77	278	2661	0.35	ng	90
30) Benzo(g,h,i)perylene	27.15	276	17066	0.36	ng	96

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

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 9.34 min Scan# 1299

Delta R.T. 0.00 min

Lab File: BE089650.D

Acq: 23 Feb 2015 20:54

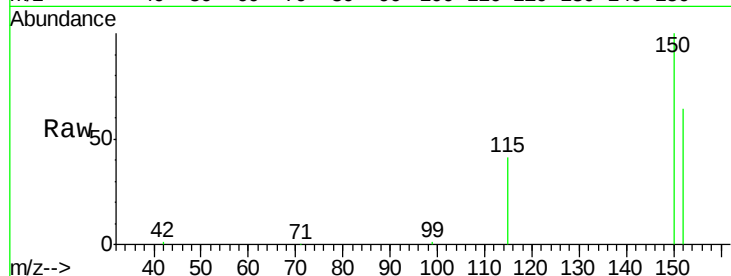
Tot Ion:152 Resp: 39700

Ion Ratio Lower Upper

152 100

150 155.4 127.0 190.6

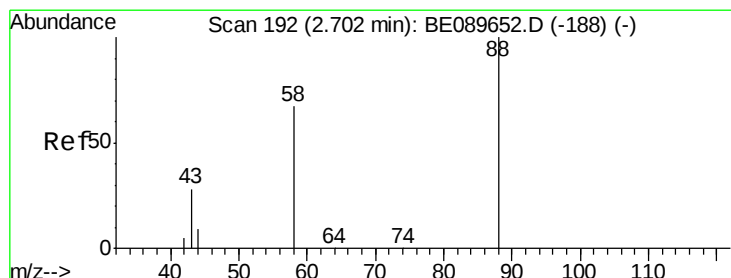
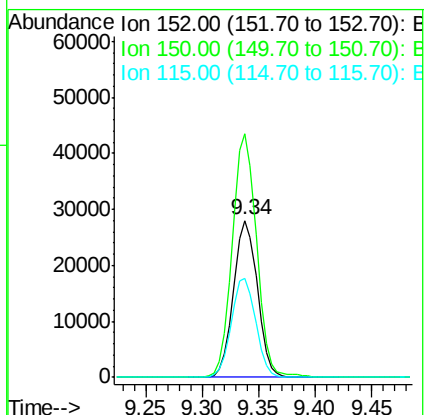
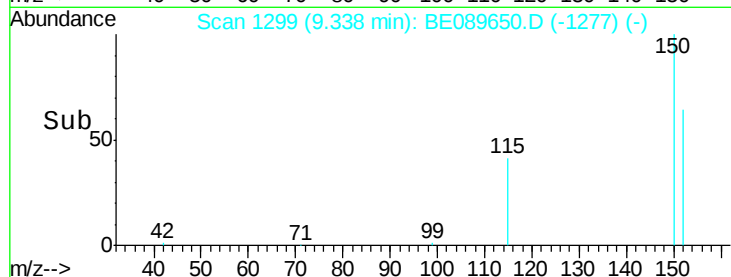
115 63.4 52.4 78.6



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: 0.37 ng

RT: 2.71 min Scan# 193

Delta R.T. 0.00 min

Lab File: BE089650.D

Acq: 23 Feb 2015 20:54

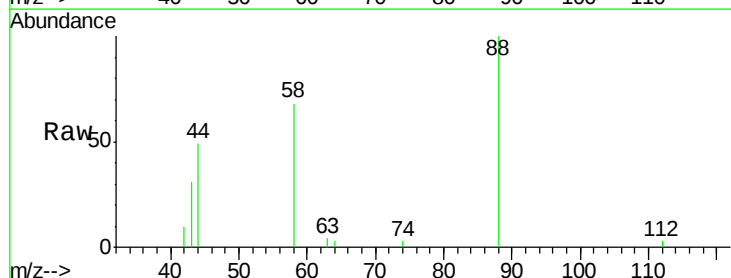
Tgt Ion: 88 Resp: 2420

Ion Ratio Lower Upper

88 100

58 78.0 61.8 92.6

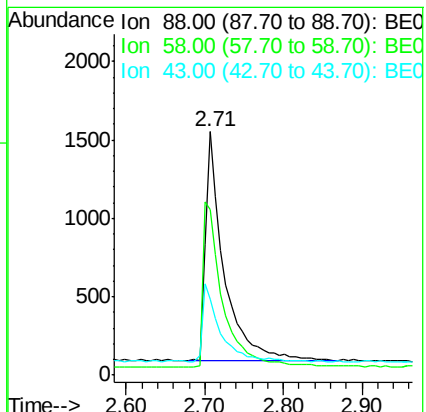
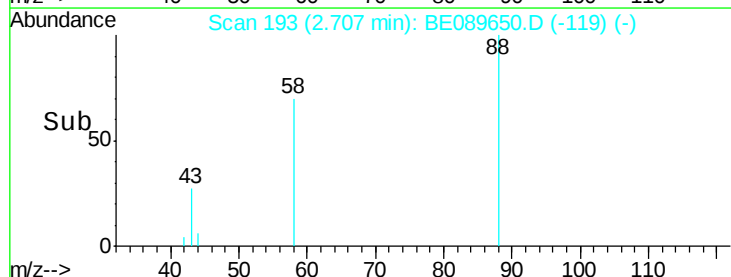
43 31.9 26.4 39.6

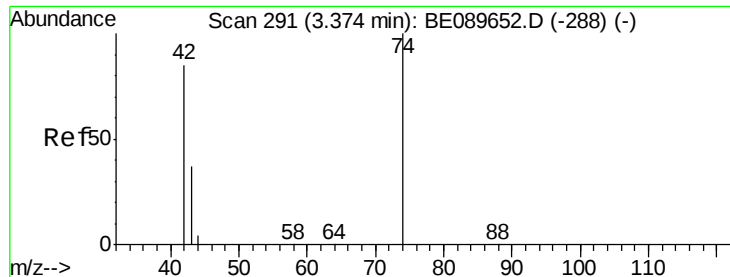


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0

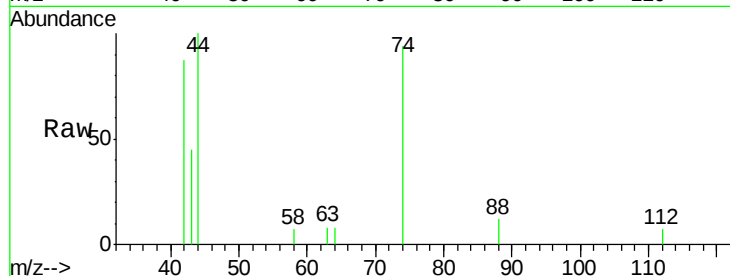




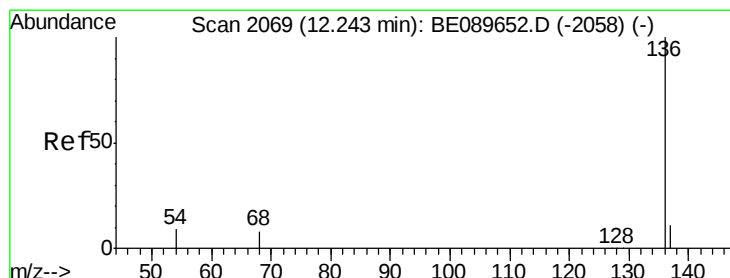
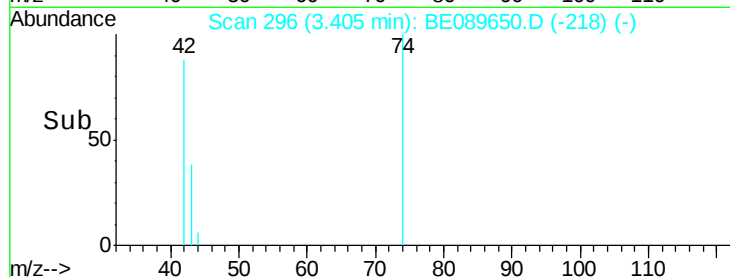
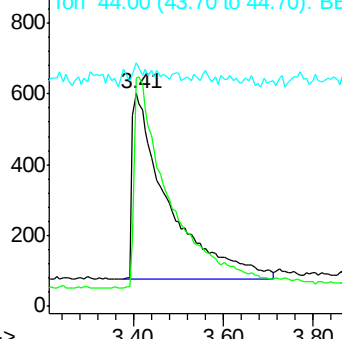
#3

n-Nitrosodimethylamine
 Concen: 0.42 ng
 RT: 3.41 min Scan# 296
 Delta R.T. 0.03 min
 Lab File: BE089650.D
 Acq: 23 Feb 2015 20:54

Tot Ion	Ratio	Lower	Upper
42	100		
74	112.9	92.5	138.7
44	1.7	4.9	7.3



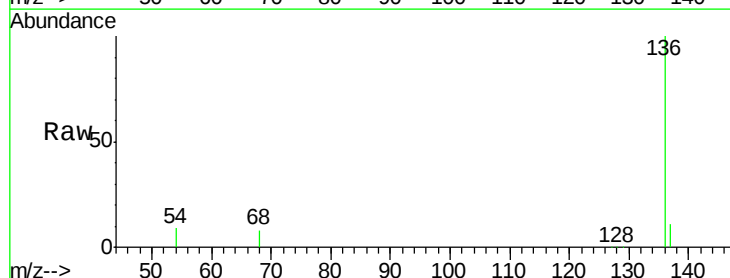
Abundance Ion 42.00 (41.70 to 42.70): BE0
 Ion 74.00 (73.70 to 74.70): BE0
 Ion 44.00 (43.70 to 44.70): BE0



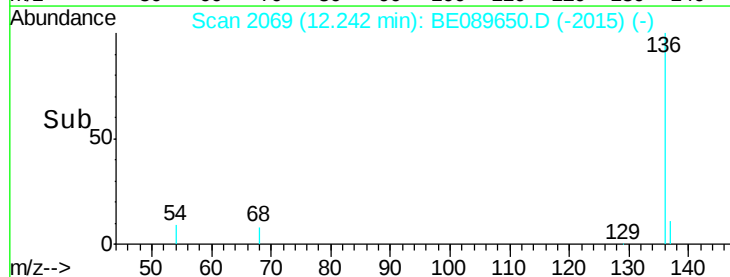
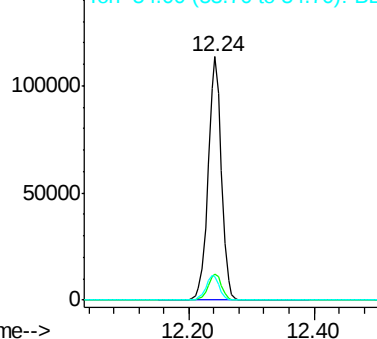
#4

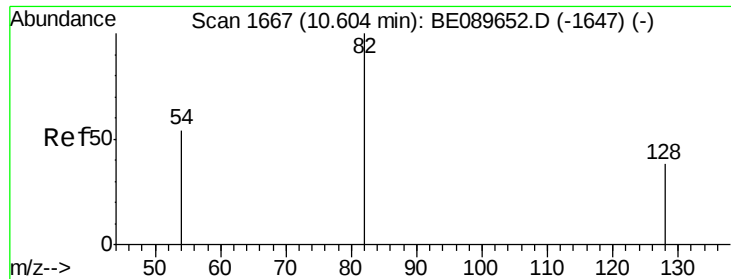
Naphthalene-d8
 Concen: 5.00 ng
 RT: 12.24 min Scan# 2069
 Delta R.T. -0.00 min
 Lab File: BE089650.D
 Acq: 23 Feb 2015 20:54

Tgt Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.7	13.1
54	9.5	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: 0.46 ng

RT: 10.60 min Scan# 1667

Delta R.T. 0.00 min

Lab File: BE089650.D

Acq: 23 Feb 2015 20:54

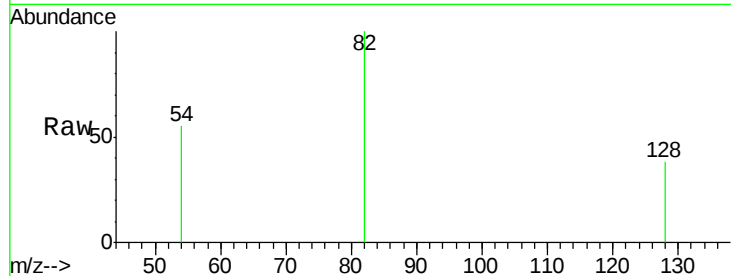
Tot Ion: 82 Resp: 3490

Ion Ratio Lower Upper

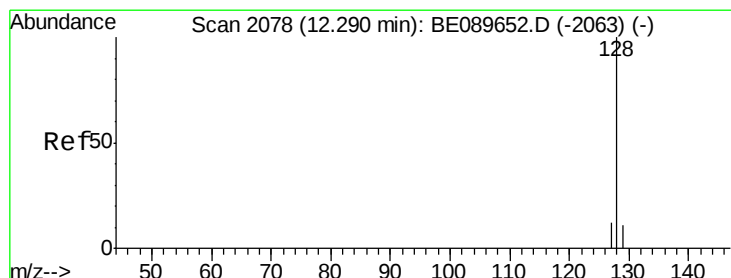
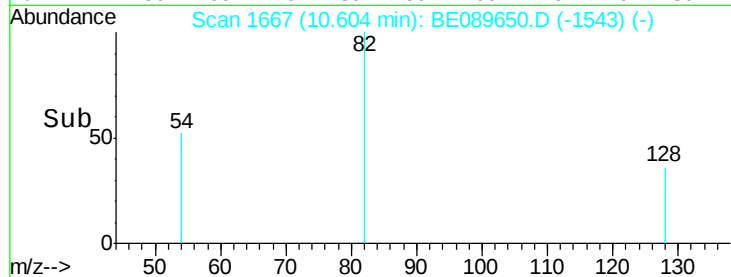
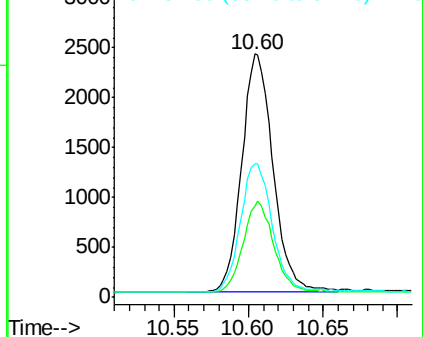
82 100

128 37.5 31.0 46.4

54 55.0 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: 0.44 ng

RT: 12.29 min Scan# 2078

Delta R.T. -0.00 min

Lab File: BE089650.D

Acq: 23 Feb 2015 20:54

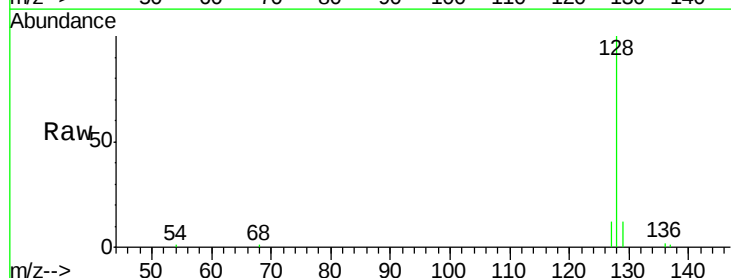
Tgt Ion: 128 Resp: 16864

Ion Ratio Lower Upper

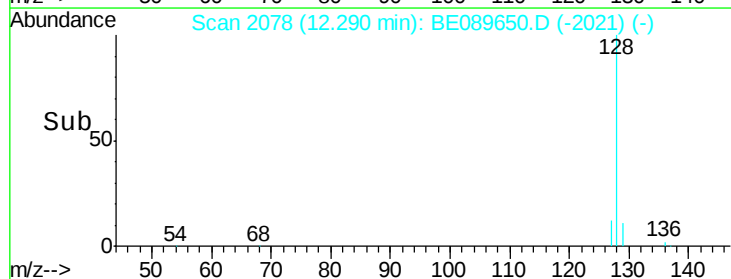
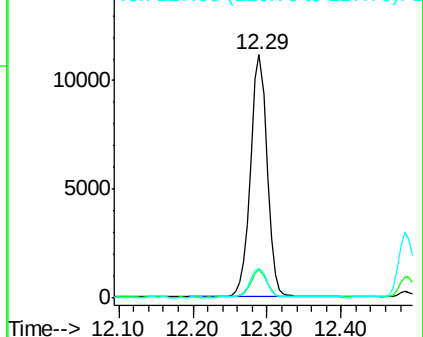
128 100

129 11.6 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: 0.44 ng

RT: 13.95 min Scan# 2417

Delta R.T. 0.00 min

Lab File: BE089650.D

Acq: 23 Feb 2015 20:54

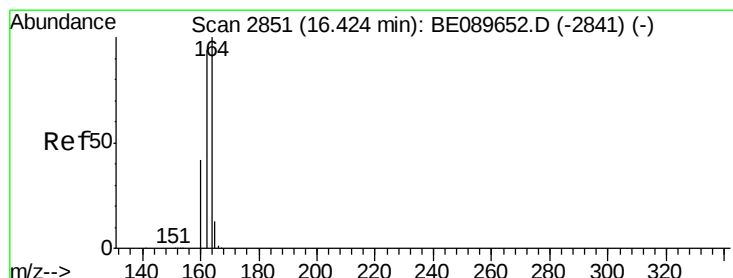
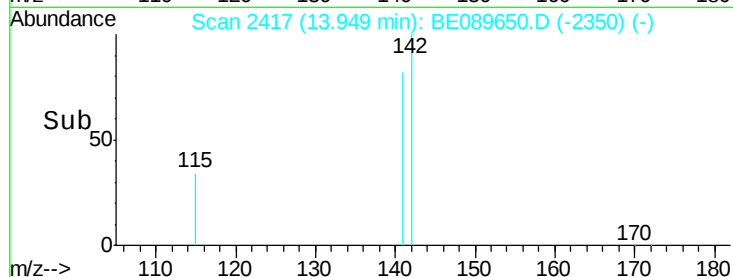
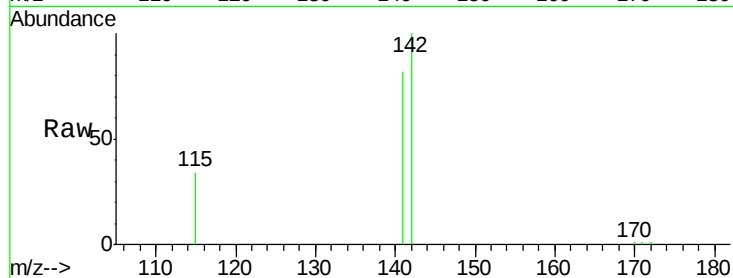
Tot Ion:142 Resp: 9393

Ion Ratio Lower Upper

142 100

141 82.3 68.6 103.0

115 34.3 29.0 43.6



#8

Acenaphthene-d10

Concen: 5.00 ng

RT: 16.42 min Scan# 2852

Delta R.T. 0.00 min

Lab File: BE089650.D

Acq: 23 Feb 2015 20:54

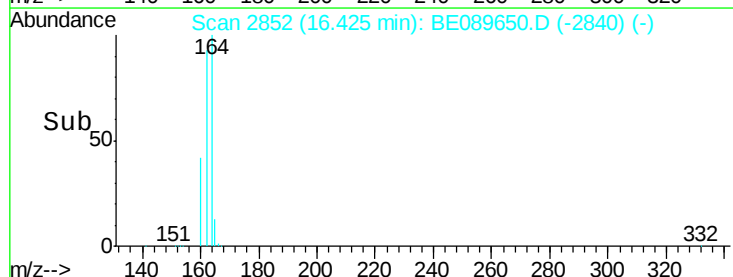
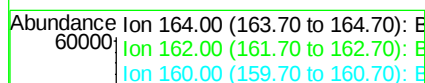
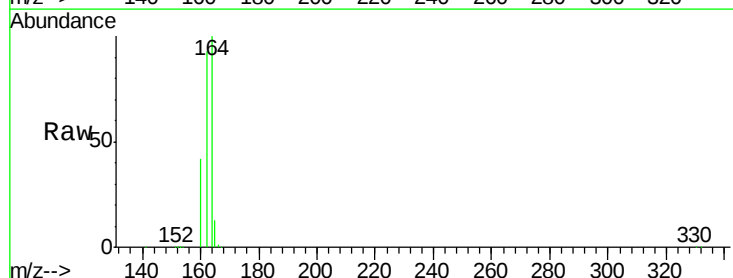
Tgt Ion:164 Resp: 74059

Ion Ratio Lower Upper

164 100

162 92.9 75.4 113.2

160 41.6 33.7 50.5





#9

2-Fluorobiphenyl

Concen: 0.45 ng

RT: 14.88 min Scan# 2621

Delta R.T. -0.00 min

Lab File: BE089650.D

Acq: 23 Feb 2015 20:54

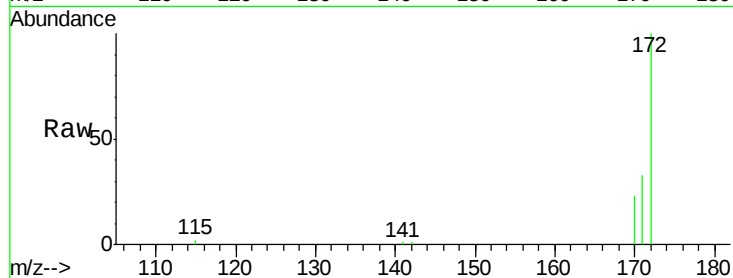
Tot Ion:172 Resp: 8623

Ion Ratio Lower Upper

172 100

171 33.3 26.2 39.4

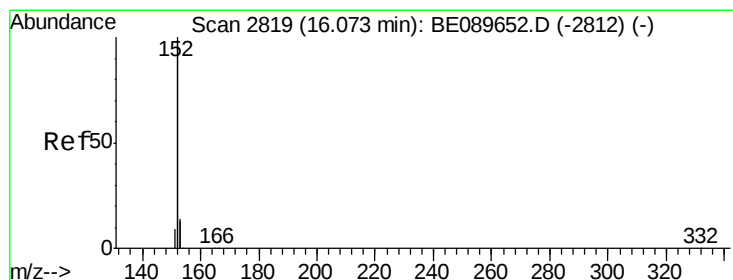
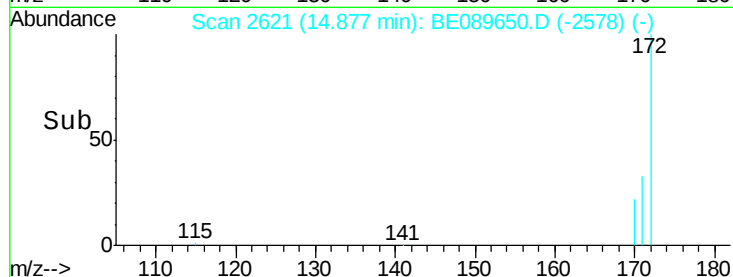
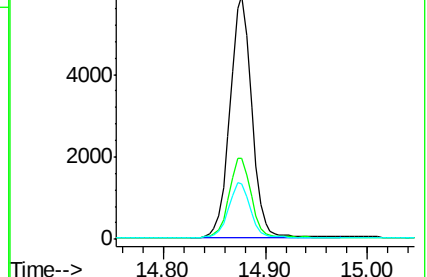
170 22.6 17.7 26.5



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#10

Acenaphthylene

Concen: 0.42 ng

RT: 16.06 min Scan# 2819

Delta R.T. -0.01 min

Lab File: BE089650.D

Acq: 23 Feb 2015 20:54

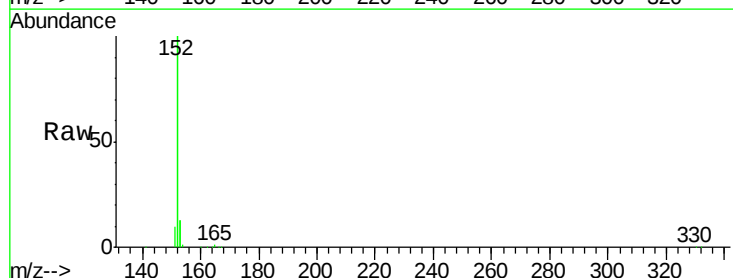
Tgt Ion:152 Resp: 51449

Ion Ratio Lower Upper

152 100

151 4.7 3.8 5.6

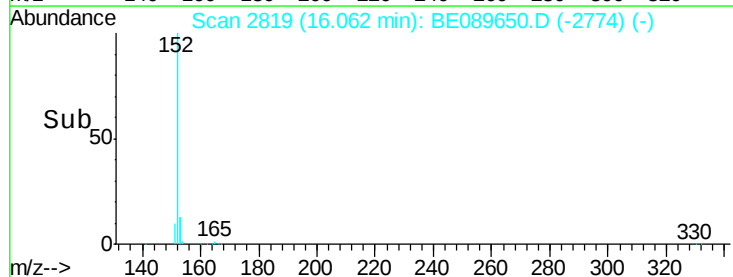
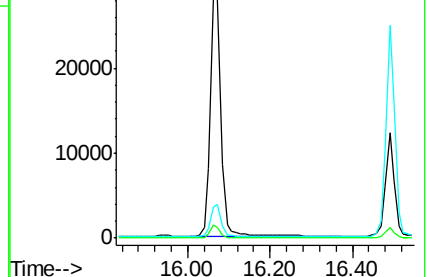
153 12.7 10.4 15.6

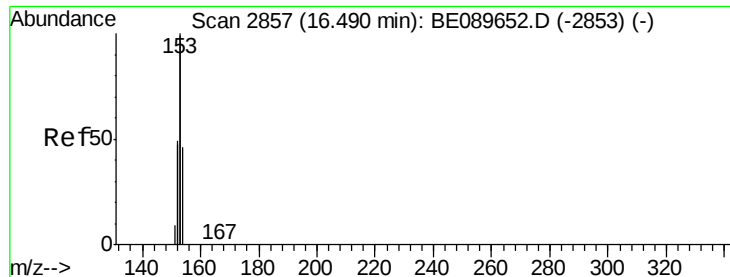


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#11

Acenaphthene

Concen: 0.45 ng

RT: 16.49 min Scan# 2858

Delta R.T. 0.00 min

Lab File: BE089650.D

Acq: 23 Feb 2015 20:54

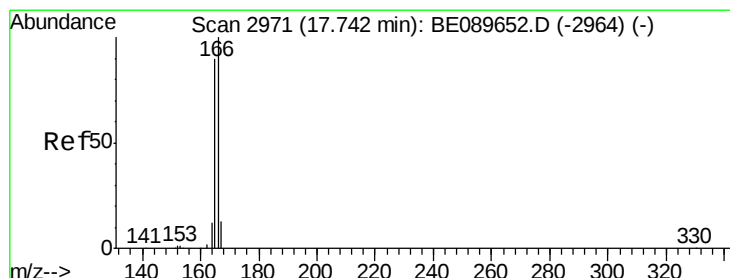
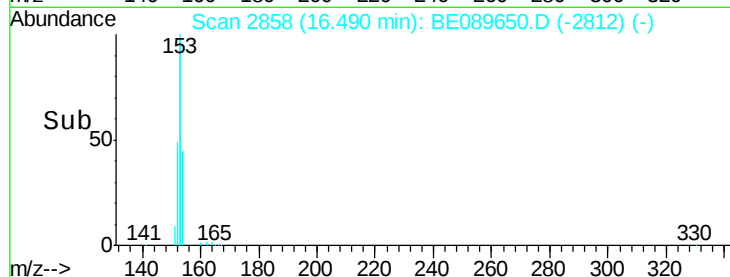
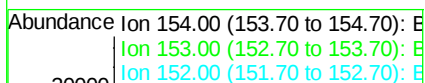
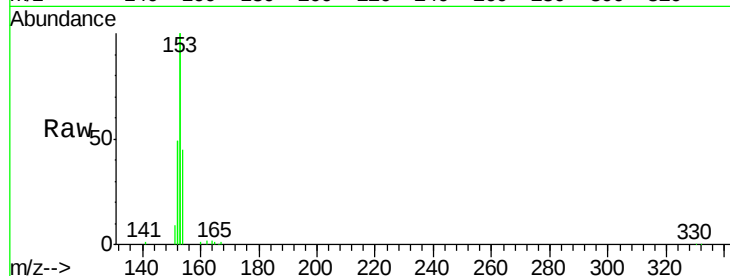
Tot Ion:154 Resp: 8751

Ion Ratio Lower Upper

154 100

153 435.0 343.0 514.4

152 209.0 165.8 248.8



#12

Fluorene

Concen: 0.46 ng

RT: 17.74 min Scan# 2972

Delta R.T. 0.00 min

Lab File: BE089650.D

Acq: 23 Feb 2015 20:54

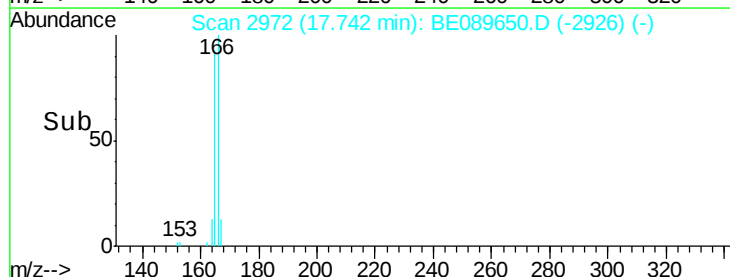
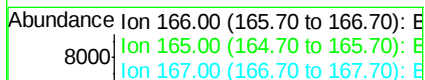
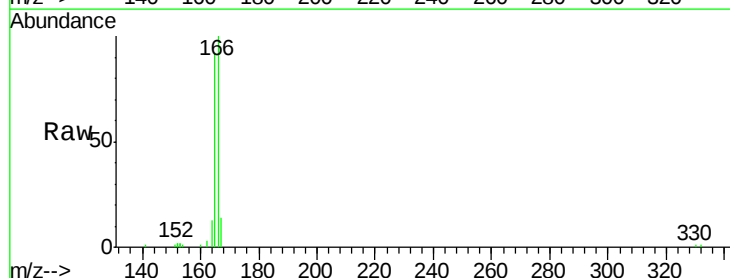
Tgt Ion:166 Resp: 9521

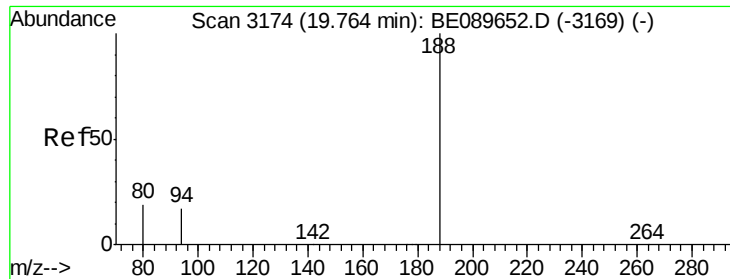
Ion Ratio Lower Upper

166 100

165 91.7 73.6 110.4

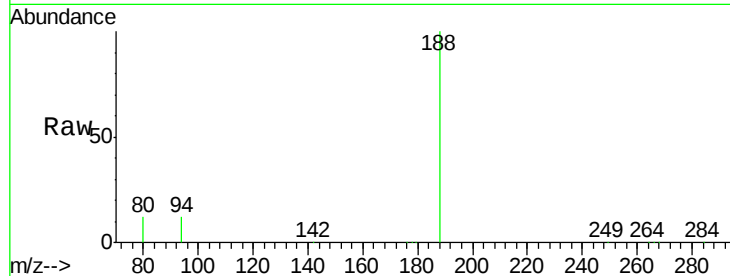
167 13.2 10.5 15.7





#13
Phenanthrene-d10
Concen: 5.00 ng
RT: 19.77 min Scan# 3176
Delta R.T. 0.01 min
Lab File: BE089650.D
Acq: 23 Feb 2015 20:54

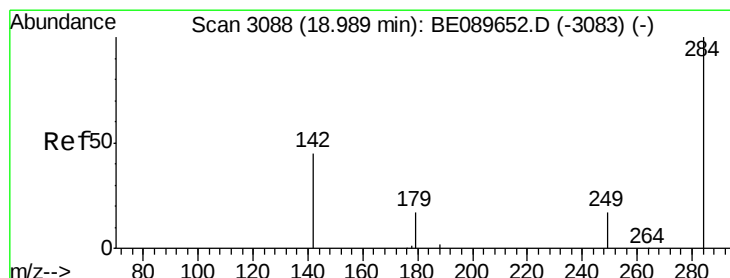
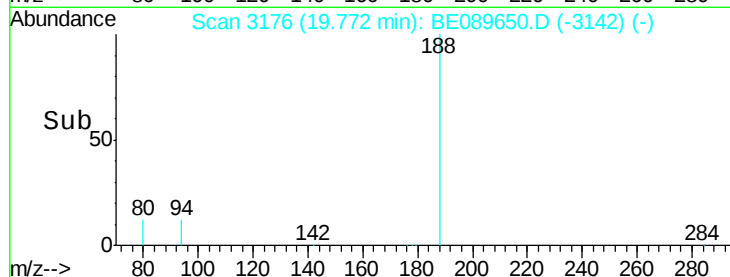
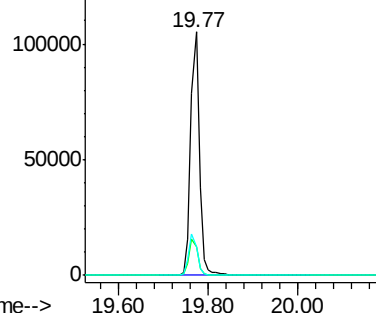
Tot Ion	Ratio	Lower	Upper
188	100		
94	11.8	13.8	20.8#
80	12.0	15.0	22.6#



Abundance Ion 188.00 (187.70 to 188.70): E

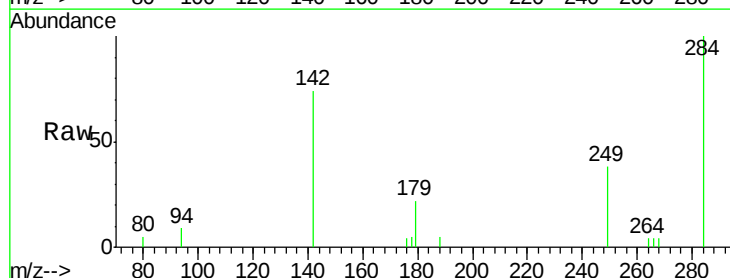
Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



#14
Hexachlorobenzene
Concen: 0.43 ng
RT: 18.99 min Scan# 3089
Delta R.T. -0.00 min
Lab File: BE089650.D
Acq: 23 Feb 2015 20:54

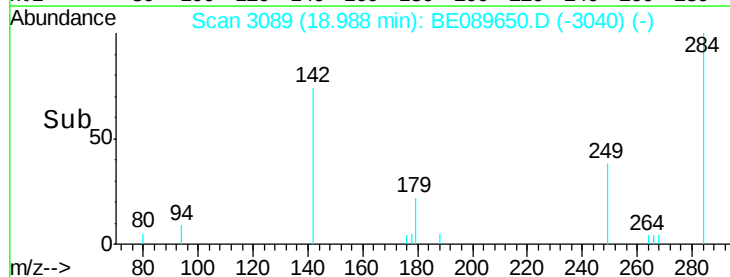
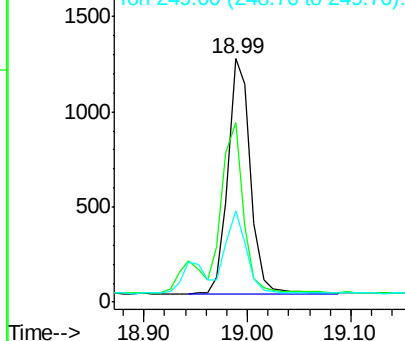
Tgt Ion	Ratio	Lower	Upper
284	100		
142	69.7	55.0	82.6
249	30.2	26.1	39.1

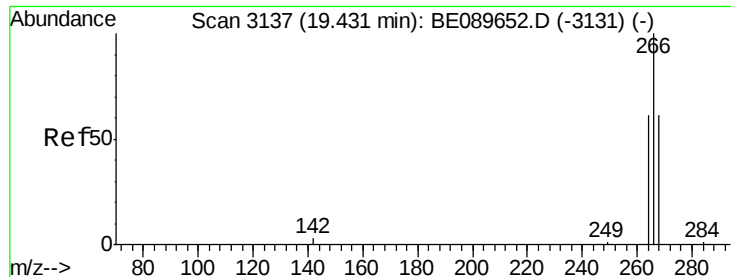


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

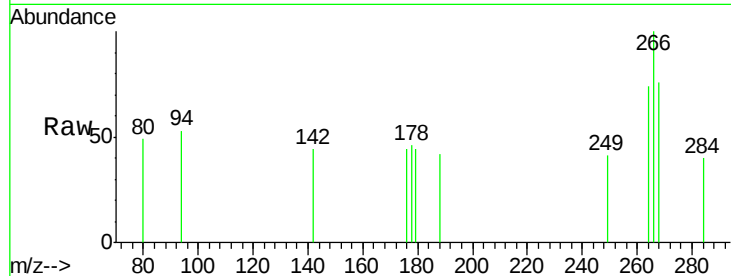
Ion 249.00 (248.70 to 249.70): E



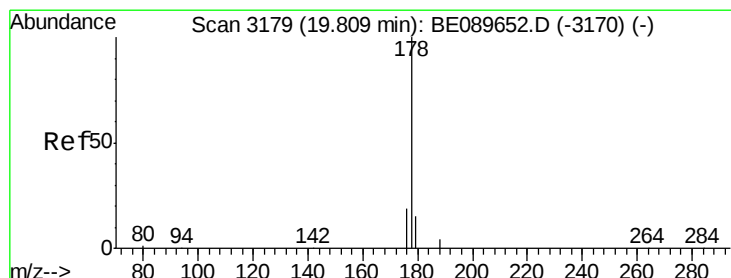
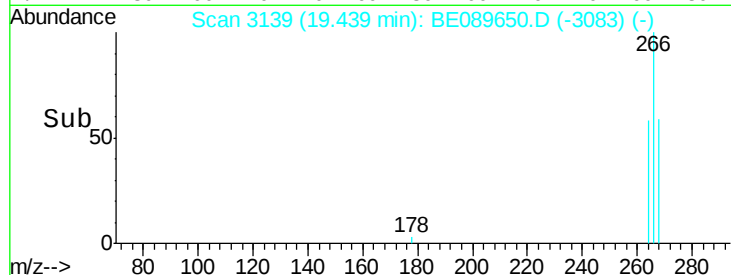
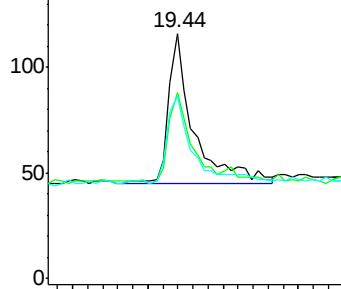


#15
 Pentachlorophenol
 Concen: 0.16 ng
 RT: 19.44 min Scan# 3139
 Delta R.T. 0.01 min
 Lab File: BE089650.D
 Acq: 23 Feb 2015 20:54

Tot Ion:266 Resp: 164
 Ion Ratio Lower Upper
 266 100
 268 75.9 54.7 82.1
 264 74.1 55.4 83.0

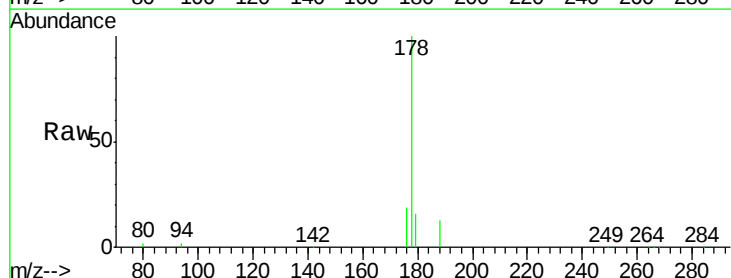


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

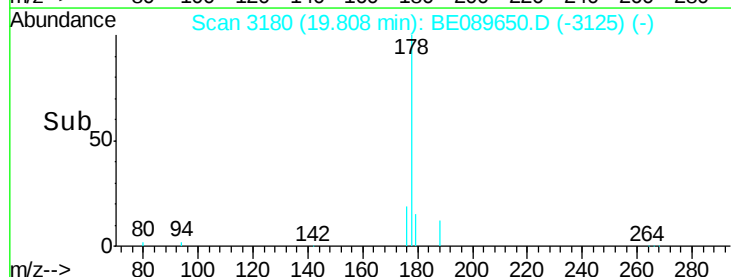
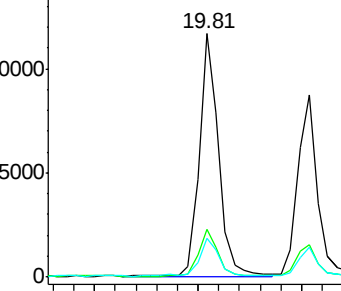


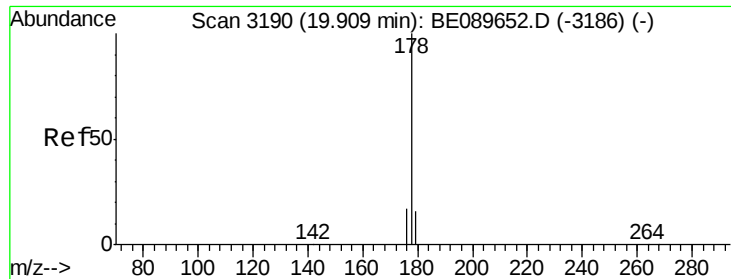
#16
 Phenanthrene
 Concen: 0.44 ng
 RT: 19.81 min Scan# 3180
 Delta R.T. -0.00 min
 Lab File: BE089650.D
 Acq: 23 Feb 2015 20:54

Tgt Ion:178 Resp: 15101
 Ion Ratio Lower Upper
 178 100
 176 18.8 15.3 22.9
 179 16.0 12.3 18.5



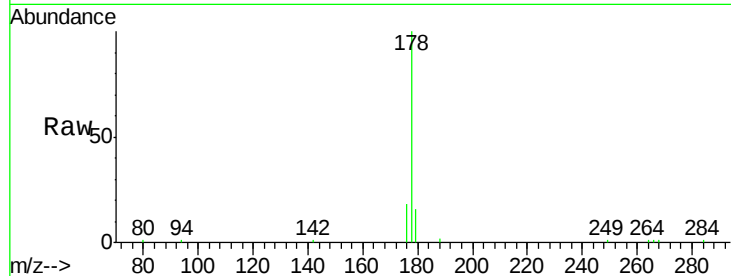
Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E



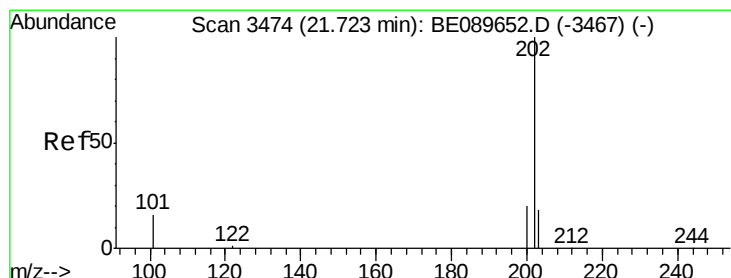
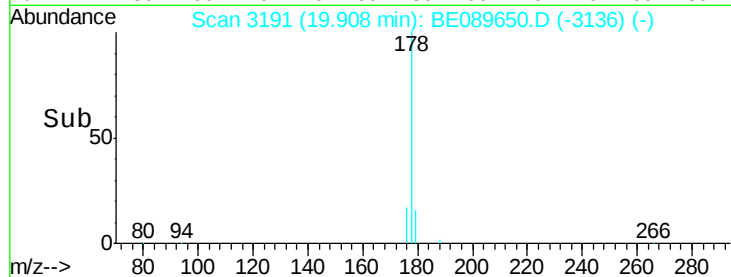
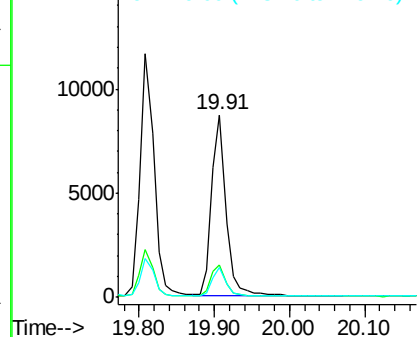


#17
 Anthracene
 Concen: 0.42 ng
 RT: 19.91 min Scan# 3191
 Delta R.T. -0.00 min
 Lab File: BE089650.D
 Acq: 23 Feb 2015 20:54

Tot Ion:178 Resp: 11780
 Ion Ratio Lower Upper
 178 100
 176 18.4 14.3 21.5
 179 15.1 12.1 18.1

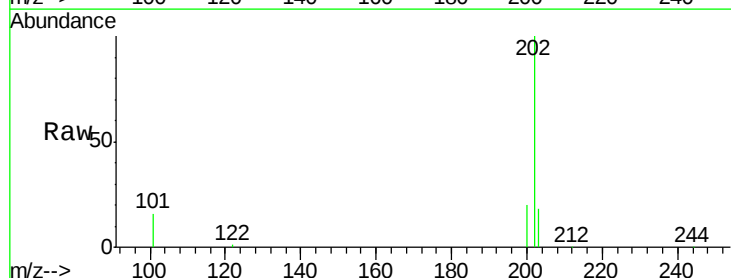


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

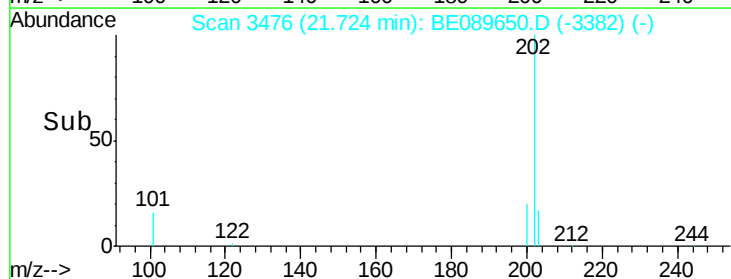
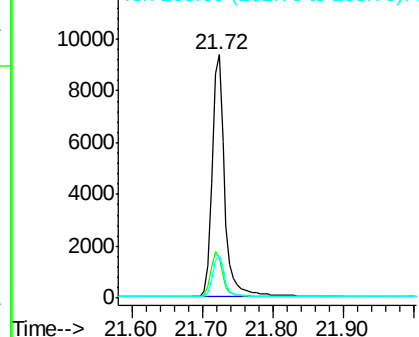


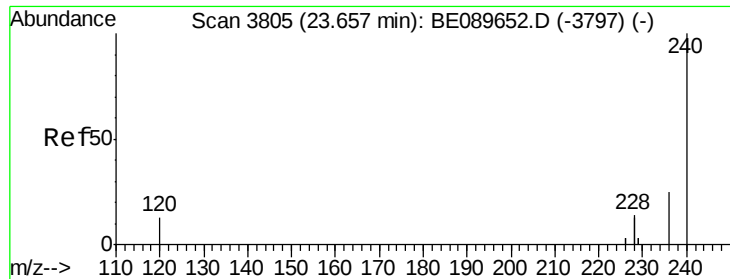
#18
 Fluoranthene
 Concen: 0.47 ng
 RT: 21.72 min Scan# 3476
 Delta R.T. 0.00 min
 Lab File: BE089650.D
 Acq: 23 Feb 2015 20:54

Tgt Ion:202 Resp: 11827
 Ion Ratio Lower Upper
 202 100
 101 18.1 14.9 22.3
 203 16.9 13.7 20.5



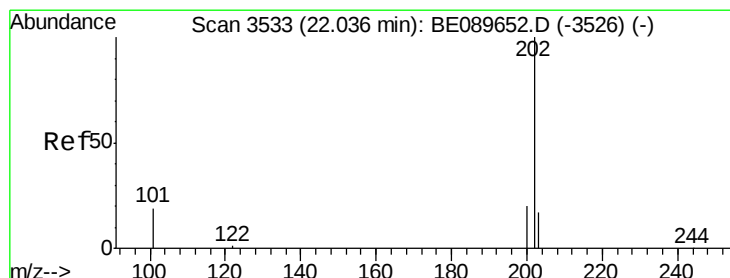
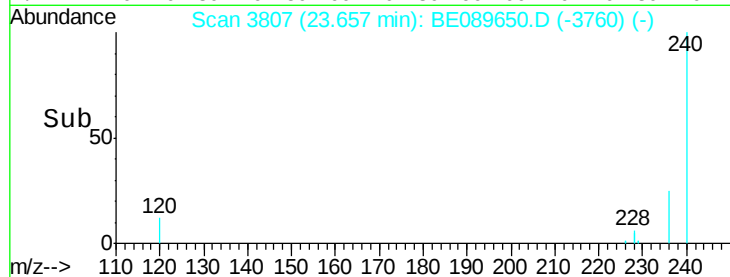
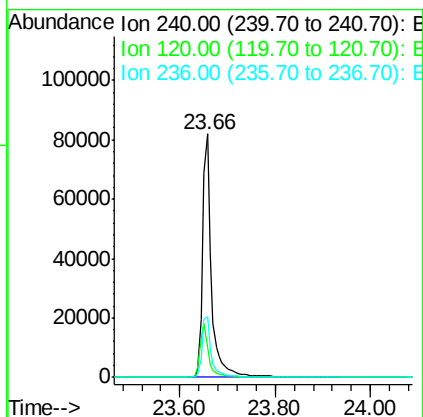
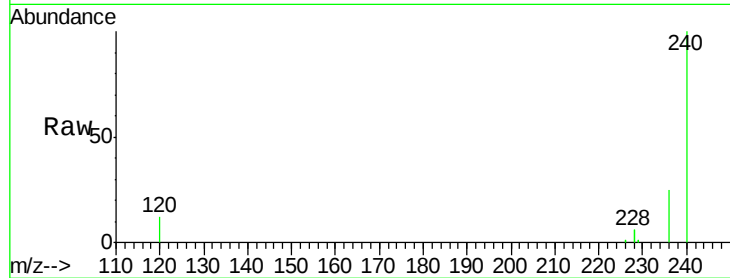
Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E





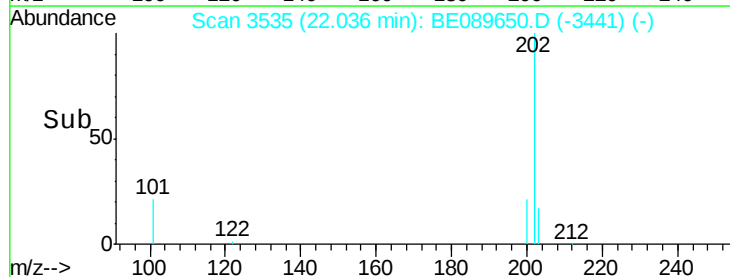
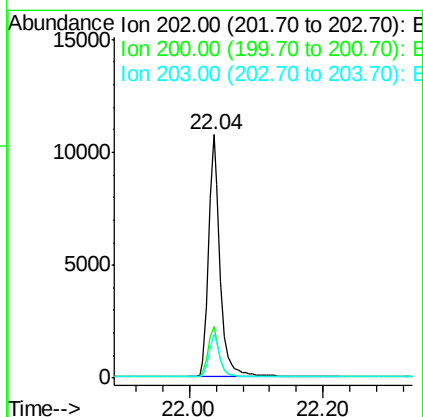
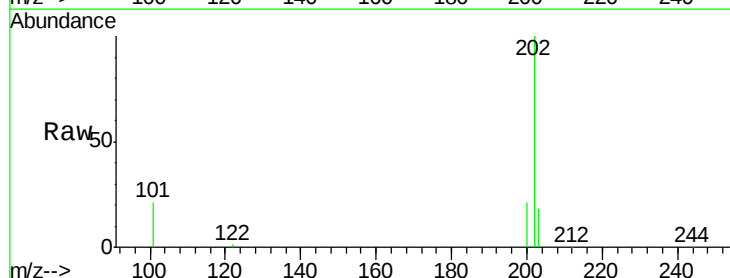
#19
Chrysene-d12
Concen: 5.00 ng
RT: 23.66 min Scan# 3807
Delta R.T. -0.00 min
Lab File: BE089650.D
Acq: 23 Feb 2015 20:54

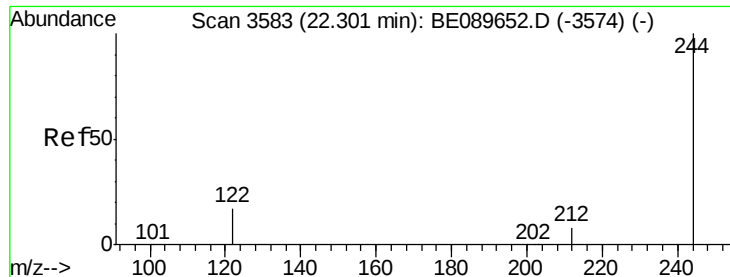
Tot Ion:240 Resp: 105880
Ion Ratio Lower Upper
240 100
120 12.1 10.6 15.8
236 25.0 20.3 30.5



#20
Pyrene
Concen: 0.39 ng
RT: 22.04 min Scan# 3535
Delta R.T. 0.00 min
Lab File: BE089650.D
Acq: 23 Feb 2015 20:54

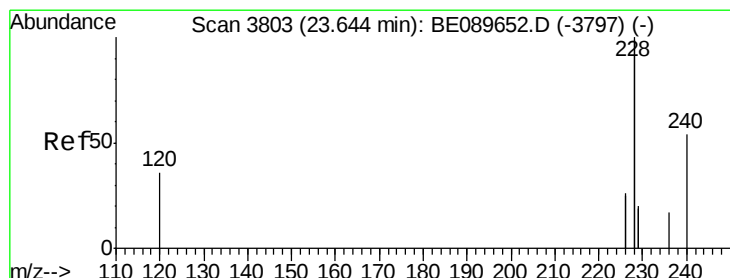
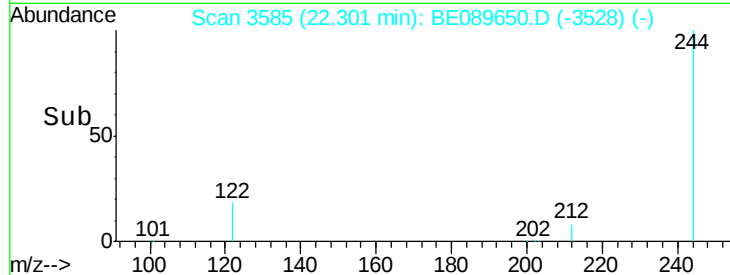
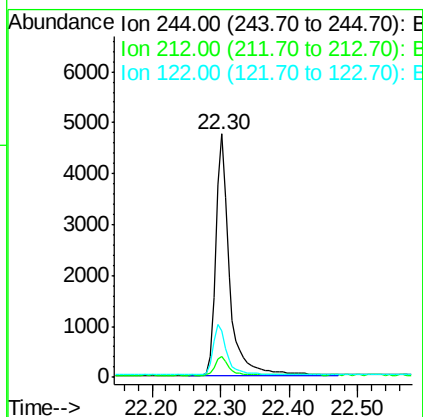
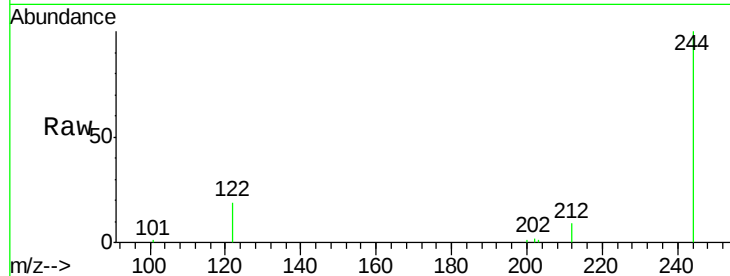
Tgt Ion:202 Resp: 12892
Ion Ratio Lower Upper
202 100
200 20.6 16.5 24.7
203 17.3 13.8 20.6





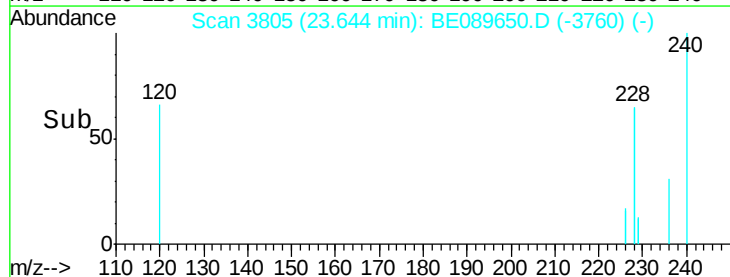
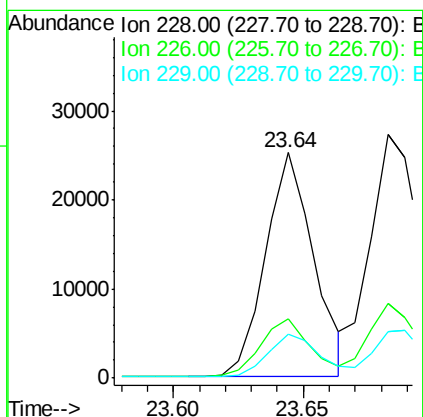
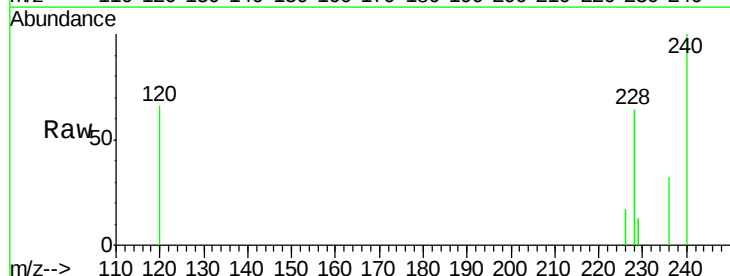
#21
 Terphenyl-d14
 Concen: 0.37 ng
 RT: 22.30 min Scan# 3585
 Delta R.T. 0.00 min
 Lab File: BE089650.D
 Acq: 23 Feb 2015 20:54

Tot Ion:244 Resp: 6350
 Ion Ratio Lower Upper
 244 100
 212 8.5 6.6 10.0
 122 19.3 13.7 20.5



#22
 Benzo(a)anthracene
 Concen: 0.42 ng
 RT: 23.64 min Scan# 3805
 Delta R.T. -0.00 min
 Lab File: BE089650.D
 Acq: 23 Feb 2015 20:54

Tgt Ion:228 Resp: 32348
 Ion Ratio Lower Upper
 228 100
 226 26.2 20.9 31.3
 229 19.5 15.8 23.6





#23

Chrysene

Concen: 0.44 ng

RT: 23.68 min Scan# 3811

Delta R.T. -0.01 min

Lab File: BE089650.D

Acq: 23 Feb 2015 20:54

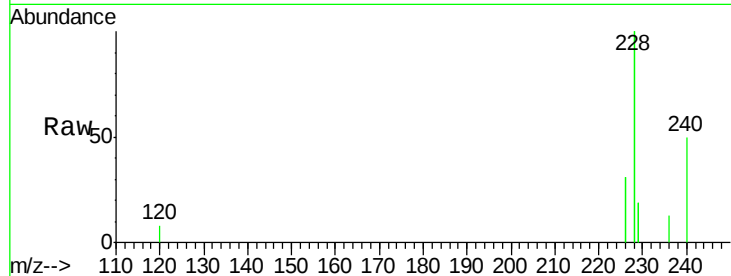
Tot Ion:228 Resp: 50772

Ion Ratio Lower Upper

228 100

226 30.6 22.0 33.0

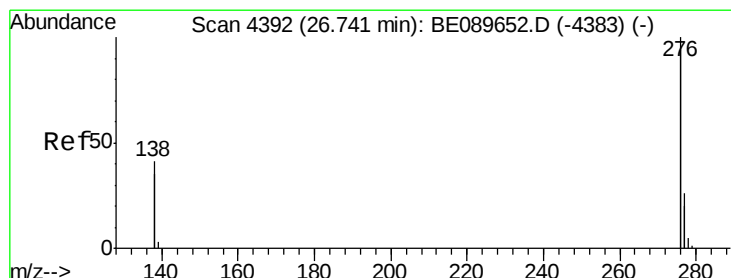
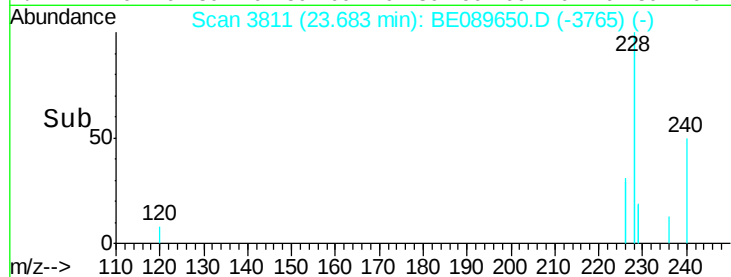
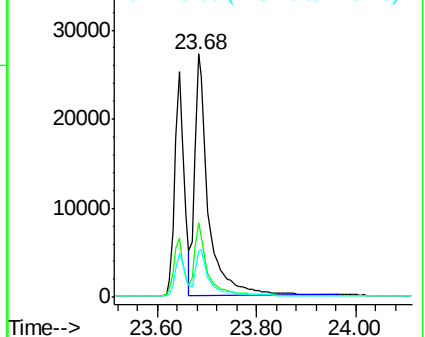
229 19.1 16.6 24.8



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: 0.34 ng

RT: 26.73 min Scan# 4393

Delta R.T. -0.01 min

Lab File: BE089650.D

Acq: 23 Feb 2015 20:54

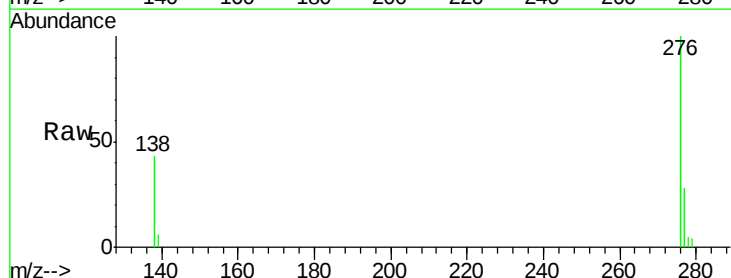
Tgt Ion:276 Resp: 14500

Ion Ratio Lower Upper

276 100

138 37.0 36.2 54.4

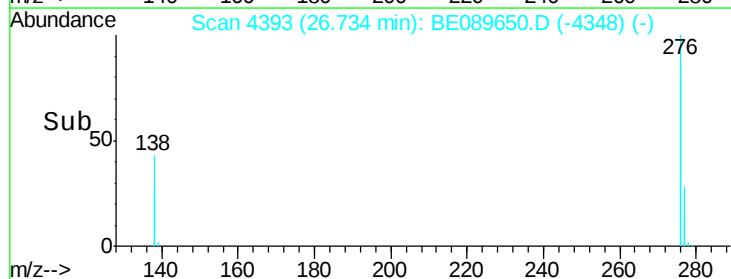
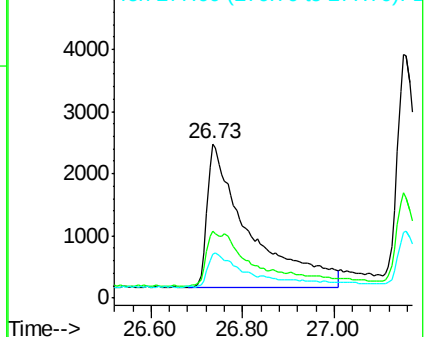
277 20.1 5.4 8.2#

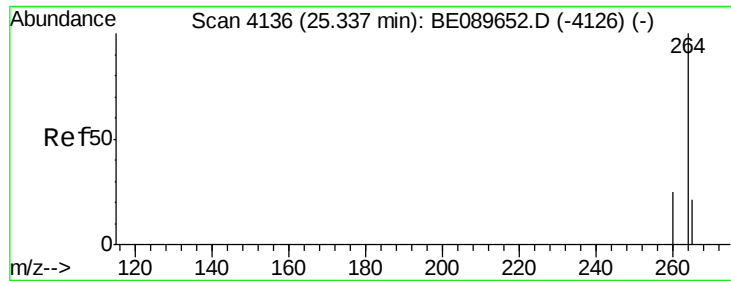


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#25

Pervlene-d12

Concen: 5.00 ng

RT: 25.34 min Scan# 4138

Delta R.T. -0.00 min

Lab File: BE089650.D

Acq: 23 Feb 2015 20:54

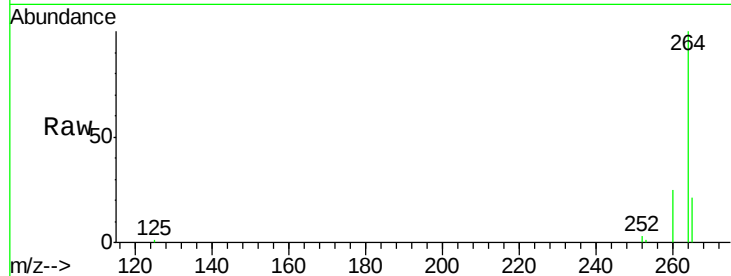
Tot Ion:264 Resp: 81611

Ion Ratio Lower Upper

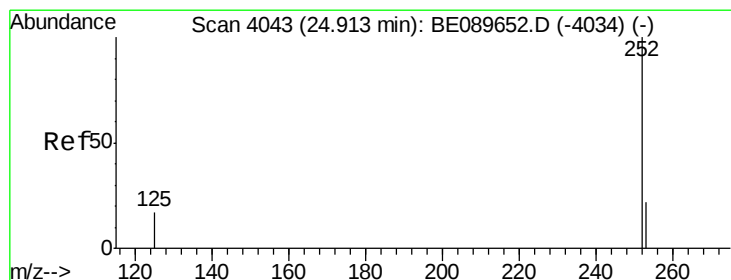
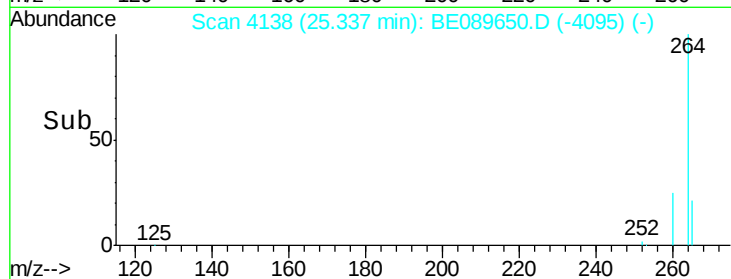
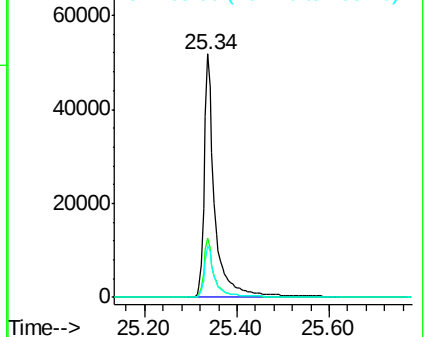
264 100

260 24.6 20.0 30.0

265 21.1 16.8 25.2



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



#26

Benzo(b)fluoranthene

Concen: 0.36 ng

RT: 24.91 min Scan# 4044

Delta R.T. -0.00 min

Lab File: BE089650.D

Acq: 23 Feb 2015 20:54

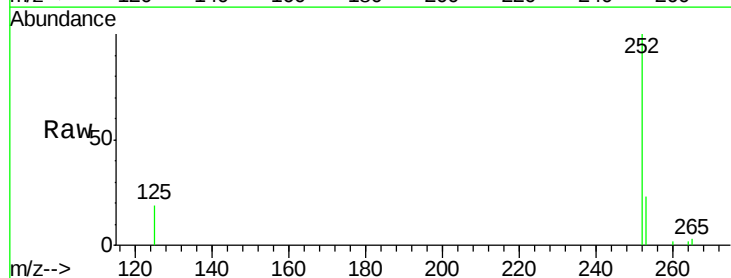
Tgt Ion:252 Resp: 2850

Ion Ratio Lower Upper

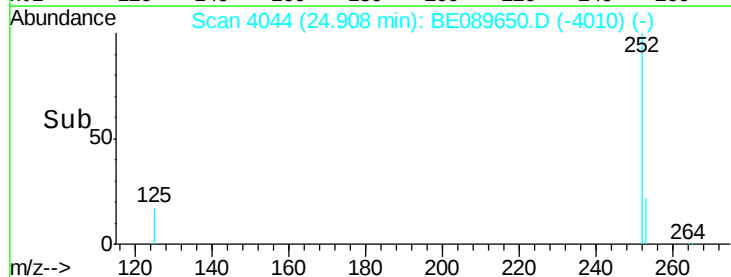
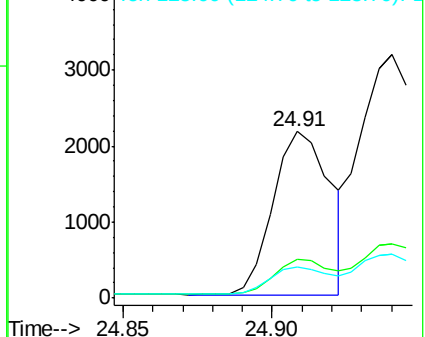
252 100

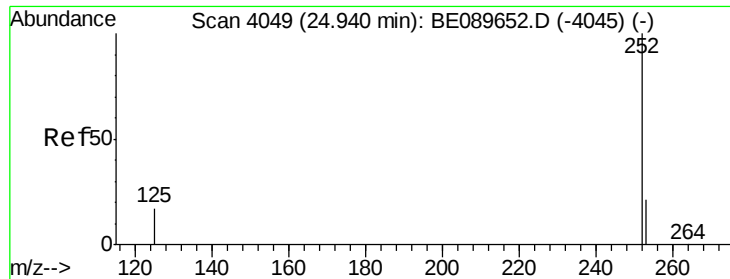
253 23.4 18.3 27.5

125 18.9 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





#27

Benzo(k)fluoranthene

Concen: 0.43 ng

RT: 24.94 min Scan# 4051

Delta R.T. -0.00 min

Lab File: BE089650.D

Acq: 23 Feb 2015 20:54

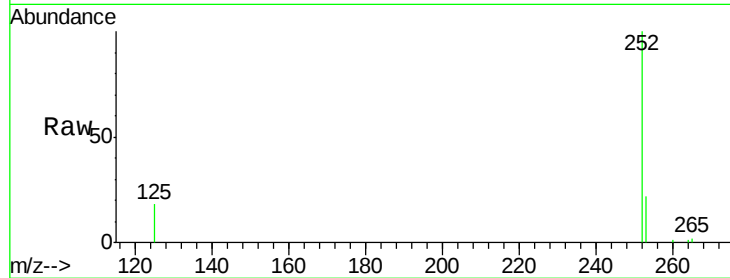
Tot Ion:252 Resp: 8794

Ion Ratio Lower Upper

252 100

253 22.4 17.8 26.8

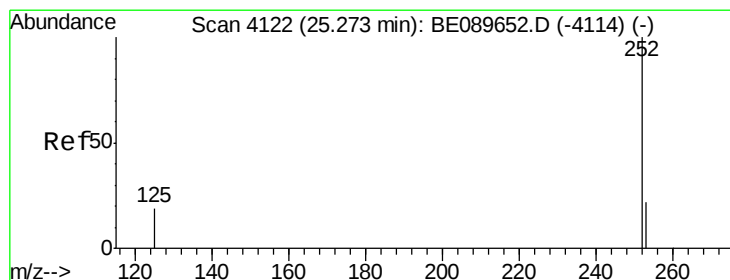
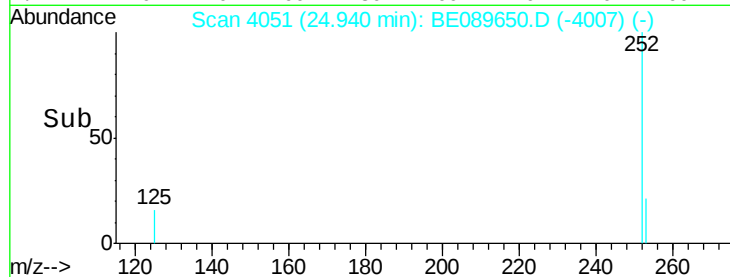
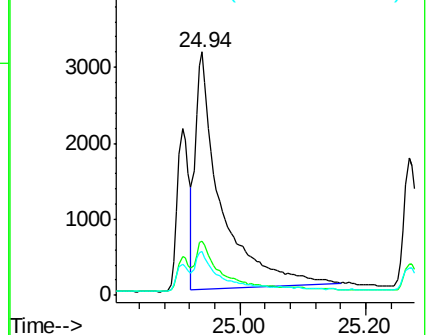
125 18.0 14.3 21.5



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



#28

Benzo(a)pyrene

Concen: 0.37 ng

RT: 25.27 min Scan# 4123

Delta R.T. -0.00 min

Lab File: BE089650.D

Acq: 23 Feb 2015 20:54

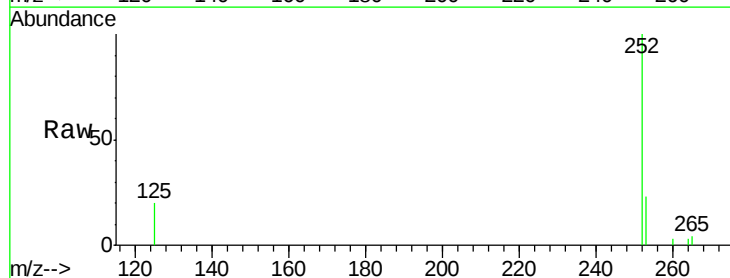
Tgt Ion:252 Resp: 3303

Ion Ratio Lower Upper

252 100

253 22.8 18.4 27.6

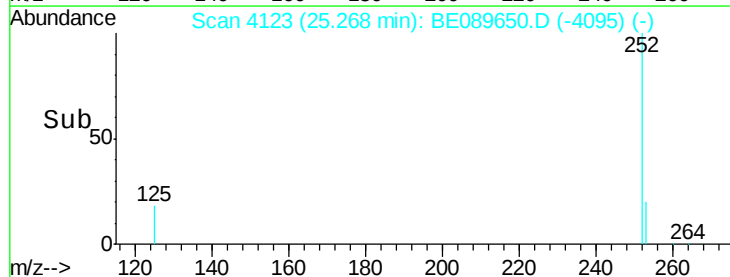
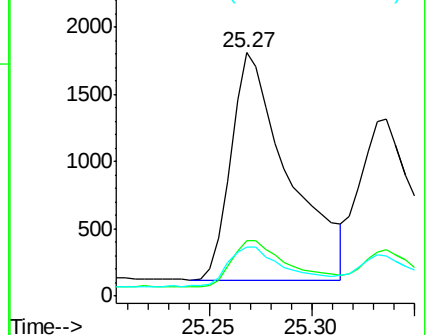
125 20.2 15.9 23.9

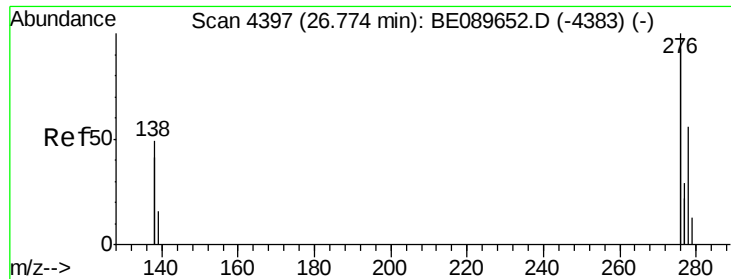


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#29

Dibenzo(a,h)anthracene

Concen: 0.35 ng

RT: 26.77 min Scan# 4398

Delta R.T. -0.01 min

Lab File: BE089650.D

Acq: 23 Feb 2015 20:54

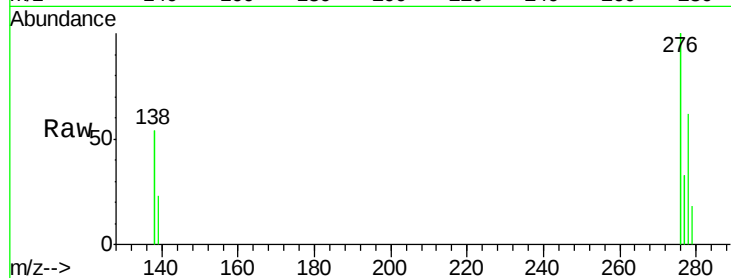
Tot Ion:278 Resp: 2661

Ion Ratio Lower Upper

278 100

139 37.8 25.4 38.2

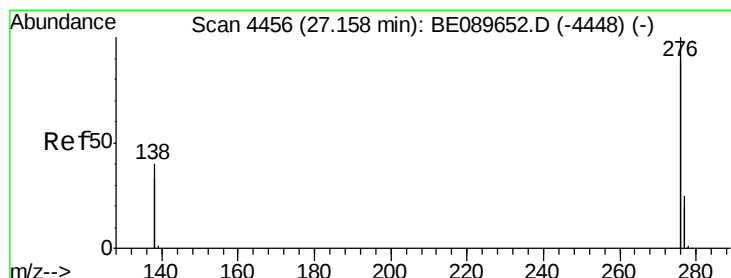
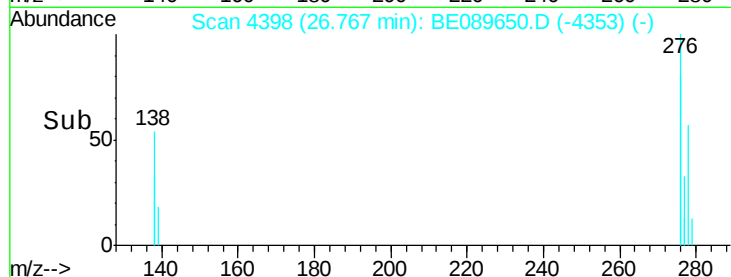
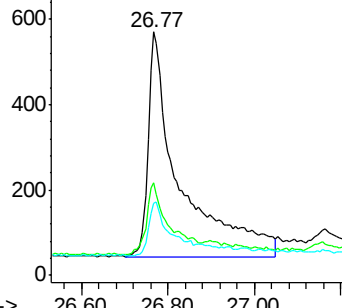
279 29.6 20.0 30.0



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: 0.36 ng

RT: 27.15 min Scan# 4457

Delta R.T. -0.01 min

Lab File: BE089650.D

Acq: 23 Feb 2015 20:54

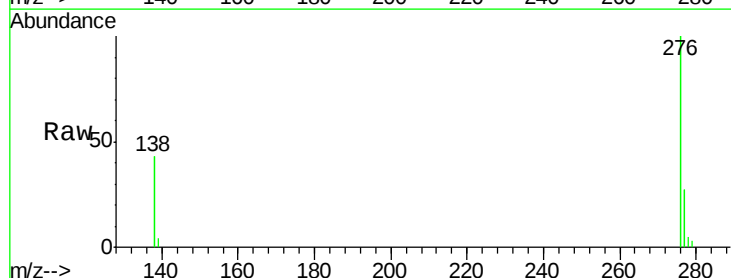
Tgt Ion:276 Resp: 17066

Ion Ratio Lower Upper

276 100

277 27.1 20.2 30.2

138 43.3 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

