

Data Path : Z:\HPCHEM1\BNA E\DATA\BE022315\
 Data File : BE089651.D
 Acq On : 23 Feb 2015 21:33
 Operator : TP/JJ
 Sample : SSTDICC0.8
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 24 03:17:30 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

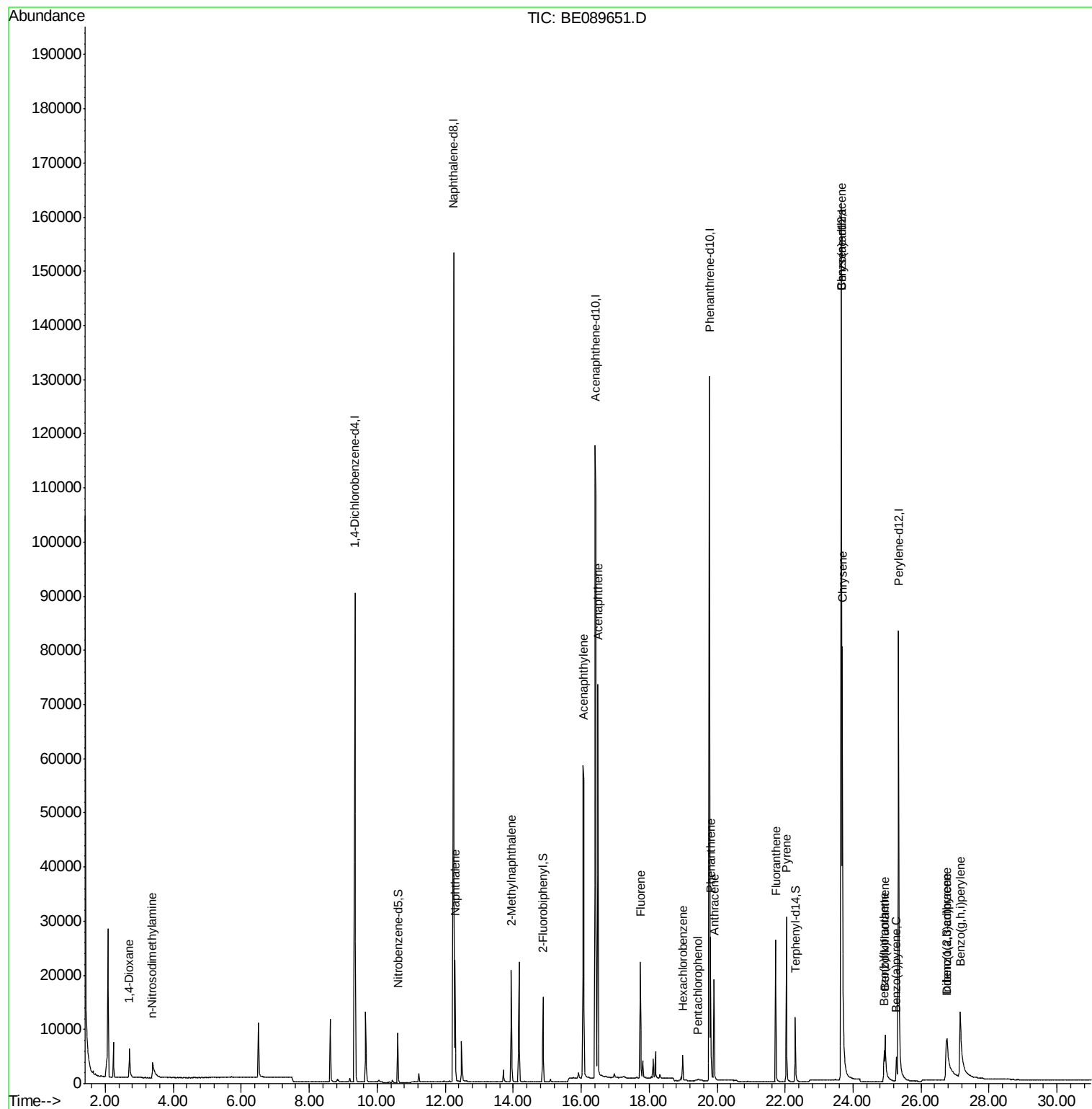
Response via : Initial Calibration

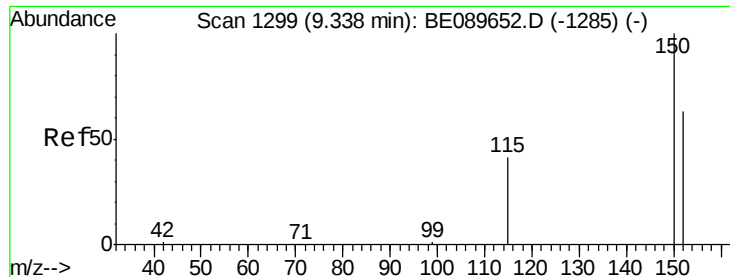
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.34	152	40765	5.00	ng	0.00
4) Naphthalene-d8	12.24	136	173619	5.00	ng	0.00
8) Acenaphthene-d10	16.41	164	78060	5.00	ng	0.00
13) Phenanthrene-d10	19.77	188	140312	5.00	ng	0.00
19) Chrysene-d12	23.65	240	112266	5.00	ng	0.00
25) Perylene-d12	25.34	264	88106	5.00	ng	0.00
System Monitoring Compounds						
5) Nitrobenzene-d5	10.60	82	7000	0.89	ng	0.00
9) 2-Fluorobiphenyl	14.88	172	14565	0.72	ng	0.00
21) Terphenyl-d14	22.30	244	11237	0.62	ng	0.00
Target Compounds						Ovalue
2) 1,4-Dioxane	2.71	88	3797	0.56	ng	97
3) n-Nitrosodimethylamine	3.39	42	4935	0.69	ng	# 96
6) Naphthalene	12.29	128	26983	0.68	ng	99
7) 2-Methylnaphthalene	13.95	142	14431	0.65	ng	97
10) Acenaphthylene	16.06	152	85798	0.66	ng	100
11) Acenaphthene	16.49	154	14202	0.69	ng	99
12) Fluorene	17.74	166	15253	0.70	ng	99
14) Hexachlorobenzene	18.99	284	2967	0.68	ng	98
15) Pentachlorophenol	19.44	266	271	0.25	ng	96
16) Phenanthrene	19.81	178	23892	0.68	ng	100
17) Anthracene	19.91	178	19686	0.69	ng	100
18) Fluoranthene	21.72	202	19595	0.77	ng	99
20) Pyrene	22.03	202	21436	0.61	ng	100
22) Benzo(a)anthracene	23.65	228	56408	0.68	ng	99
23) Chrysene	23.68	228	81378	0.67	ng	96
24) Indeno(1,2,3-cd)pyrene	26.74	276	29027	0.63	ng	# 91
26) Benzo(b)fluoranthene	24.91	252	5682	0.67	ng	99
27) Benzo(k)fluoranthene	24.94	252	16880	0.76	ng	99
28) Benzo(a)pyrene	25.27	252	6408	0.66	ng	98
29) Dibenzo(a,h)anthracene	26.77	278	5365	0.66	ng	96
30) Benzo(g,h,i)perylene	27.15	276	32827	0.65	ng	99

(#) = 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# 1300

Delta R.T. 0.00 min

Lab File: BE089651.D

Acq: 23 Feb 2015 21:33

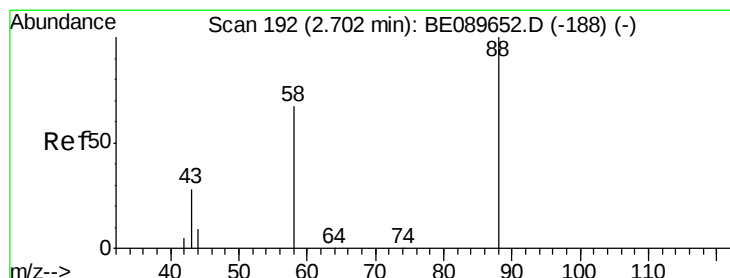
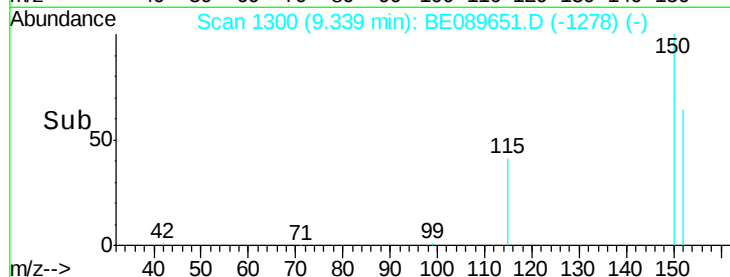
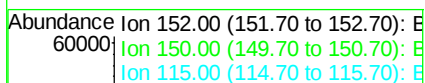
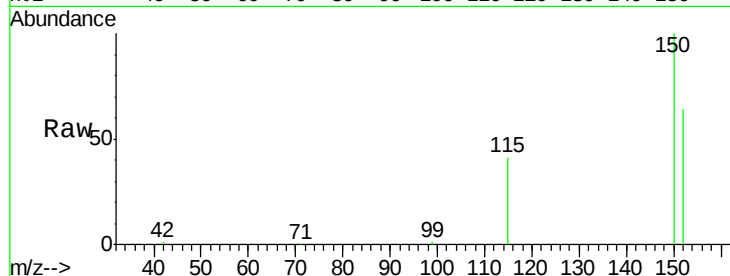
Tot Ion: 152 Resp: 40765

Ion Ratio Lower Upper

152 100

150 155.5 127.0 190.6

115 63.7 52.4 78.6



#2

1,4-Dioxane

Concen: 0.56 ng

RT: 2.71 min Scan# 193

Delta R.T. 0.00 min

Lab File: BE089651.D

Acq: 23 Feb 2015 21:33

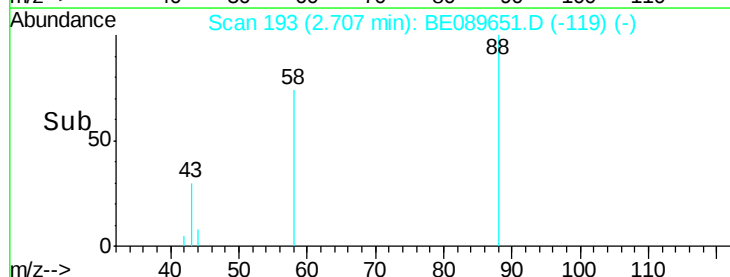
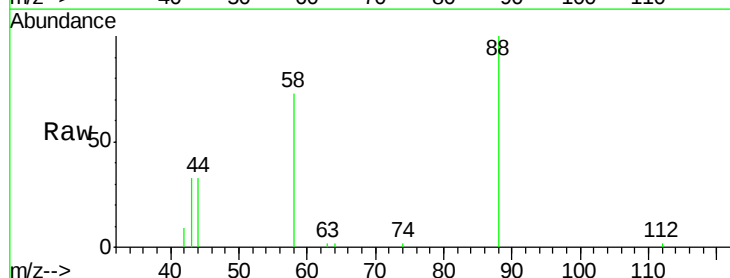
Tgt Ion: 88 Resp: 3797

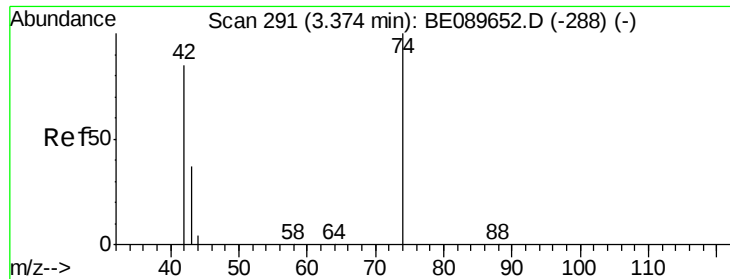
Ion Ratio Lower Upper

88 100

58 80.6 61.8 92.6

43 33.7 26.4 39.6

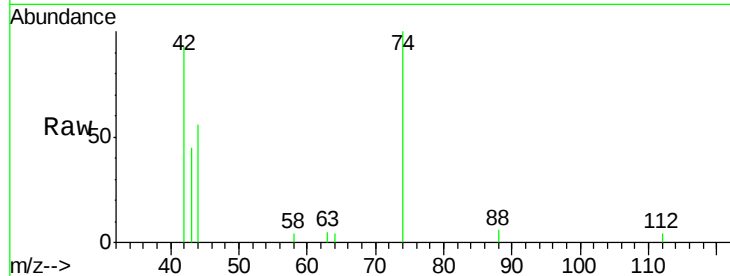




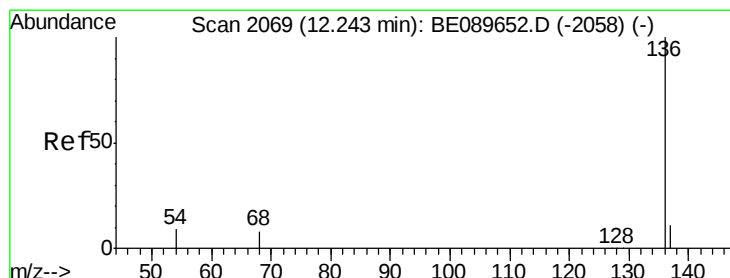
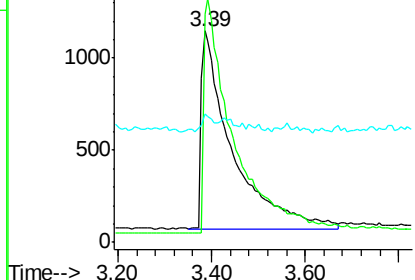
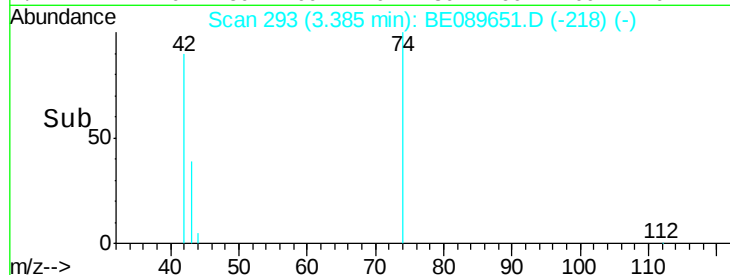
#3

n-Nitrosodimethylamine
 Concen: 0.69 ng
 RT: 3.39 min Scan# 293
 Delta R.T. 0.01 min
 Lab File: BE089651.D
 Acq: 23 Feb 2015 21:33

Tot Ion	Ratio	Lower	Upper
42	100		
74	111.5	92.5	138.7
44	3.3	4.9	7.3#



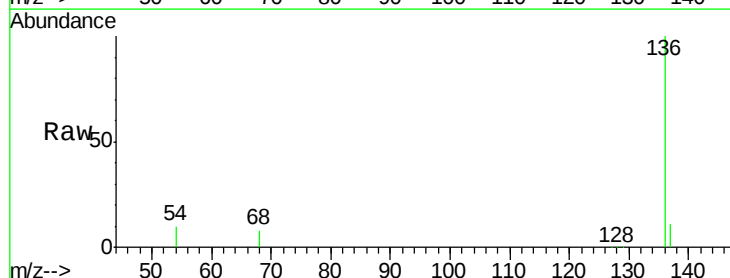
Abundance Ion 42.00 (41.70 to 42.70): BE0
 Ion 74.00 (73.70 to 74.70): BE0
 Ion 44.00 (43.70 to 44.70): BE0



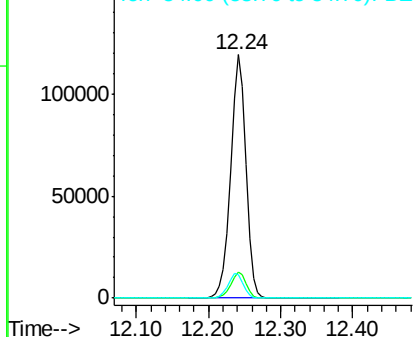
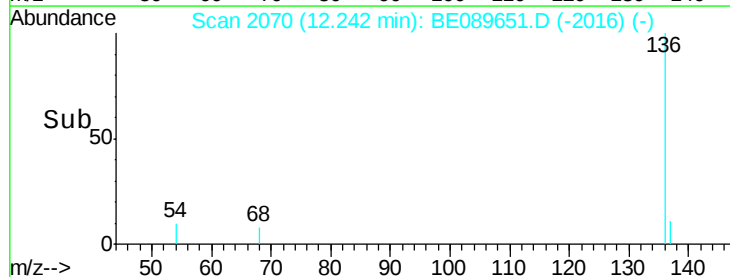
#4

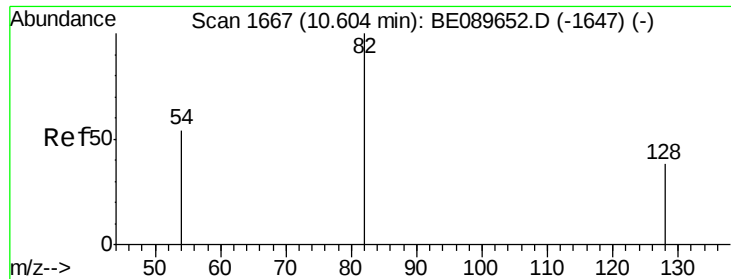
Naphthalene-d8
 Concen: 5.00 ng
 RT: 12.24 min Scan# 2070
 Delta R.T. -0.00 min
 Lab File: BE089651.D
 Acq: 23 Feb 2015 21:33

Tgt Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.7	13.1
54	9.6	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: 0.89 ng

RT: 10.60 min Scan# 1668

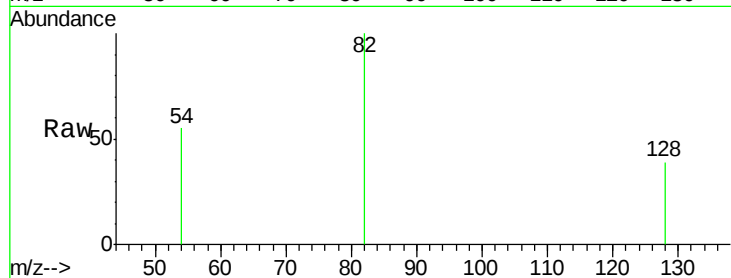
Delta R.T. -0.00 min

Lab File: BE089651.D

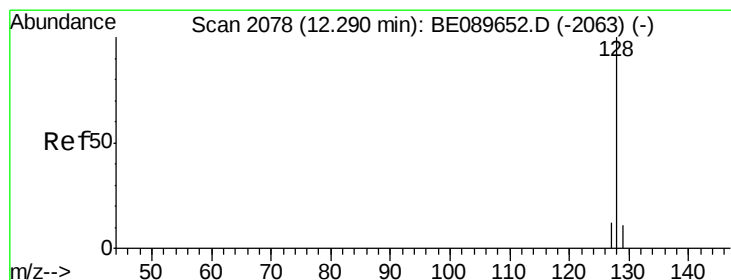
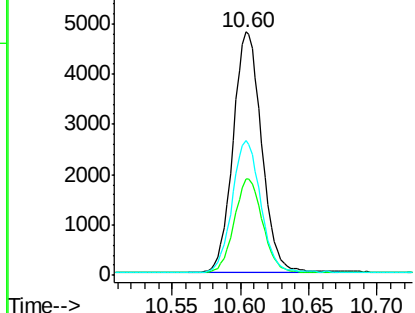
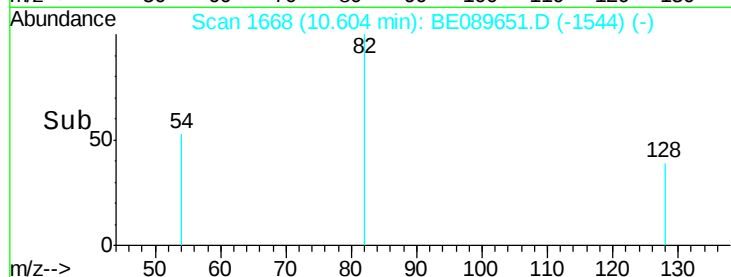
Acq: 23 Feb 2015 21:33

Tot Ion: 82 Resp: 7000

Ion	Ratio	Lower	Upper
82	100		
128	39.4	31.0	46.4
54	55.4	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: 0.68 ng

RT: 12.29 min Scan# 2079

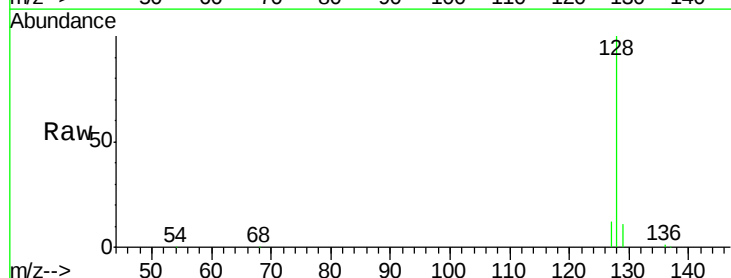
Delta R.T. -0.00 min

Lab File: BE089651.D

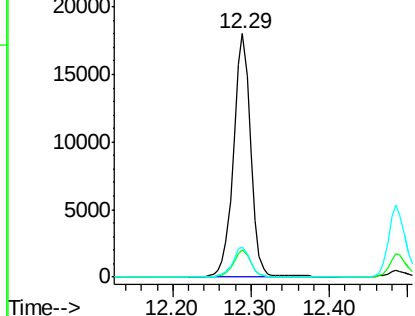
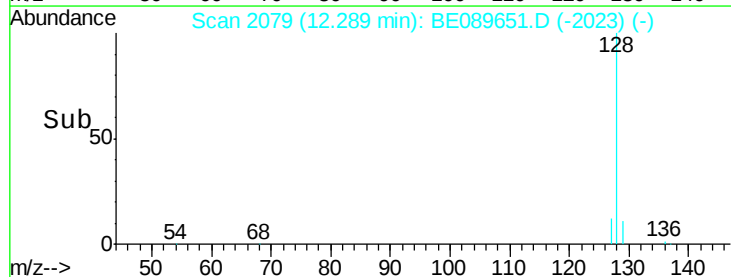
Acq: 23 Feb 2015 21:33

Tgt Ion: 128 Resp: 26983

Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.8	13.2
127	12.5	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: 0.65 ng

RT: 13.95 min Scan# 2418

Delta R.T. 0.00 min

Lab File: BE089651.D

Acq: 23 Feb 2015 21:33

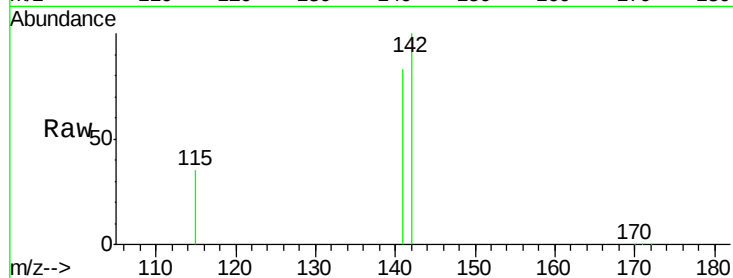
Tot Ion:142 Resp: 14431

Ion Ratio Lower Upper

142 100

141 83.3 68.6 103.0

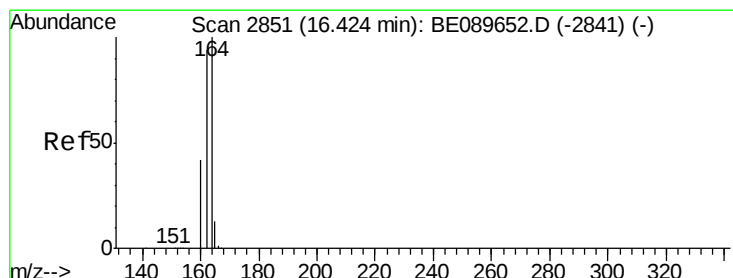
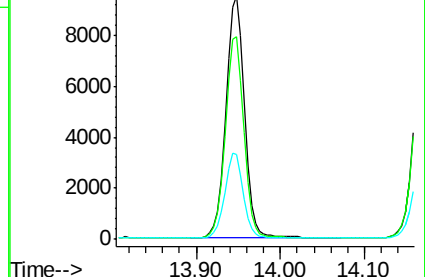
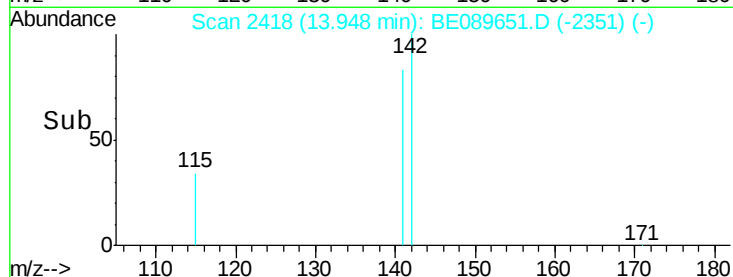
115 34.7 29.0 43.6



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: 16.41 min Scan# 2852

Delta R.T. -0.01 min

Lab File: BE089651.D

Acq: 23 Feb 2015 21:33

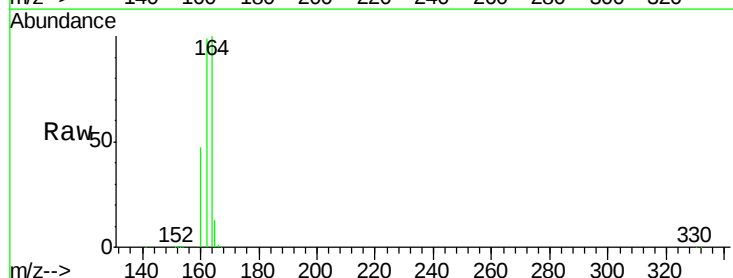
Tgt Ion:164 Resp: 78060

Ion Ratio Lower Upper

164 100

162 98.8 75.4 113.2

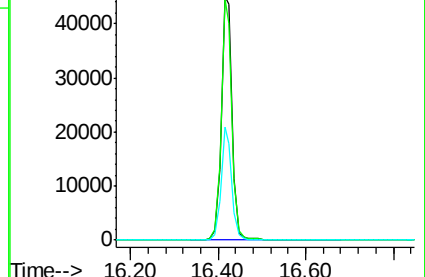
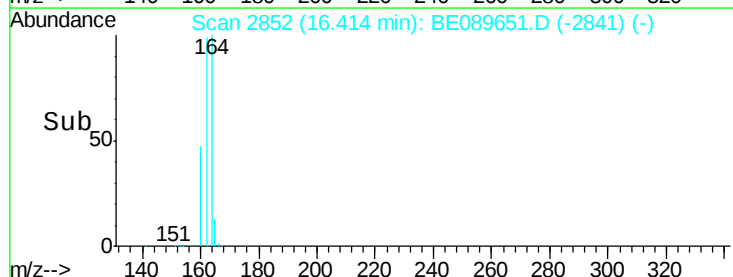
160 46.6 33.7 50.5



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: 0.72 ng

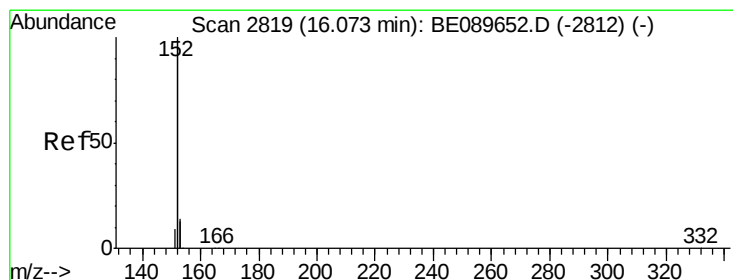
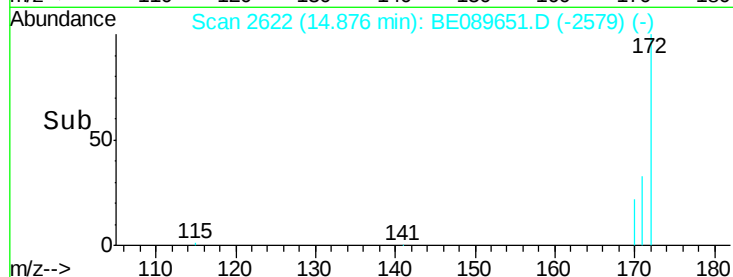
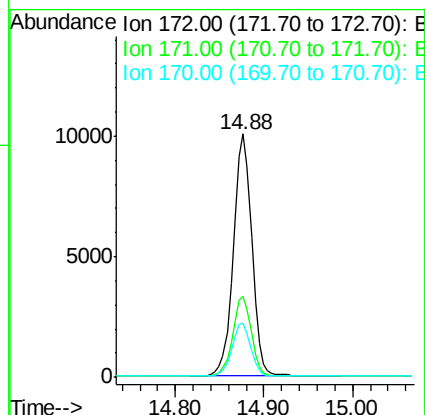
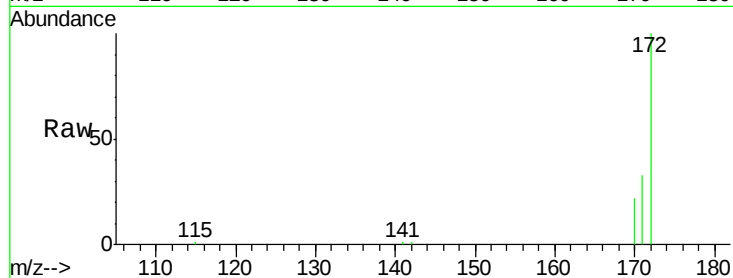
RT: 14.88 min Scan# 2622

Delta R.T. -0.00 min

Lab File: BE089651.D

Acq: 23 Feb 2015 21:33

Tot Ion:172	Resp:	14565
Ion Ratio	Lower	Upper
172	100	
171	33.2	26.2 39.4
170	22.5	17.7 26.5



#10

Acenaphthylene

Concen: 0.66 ng

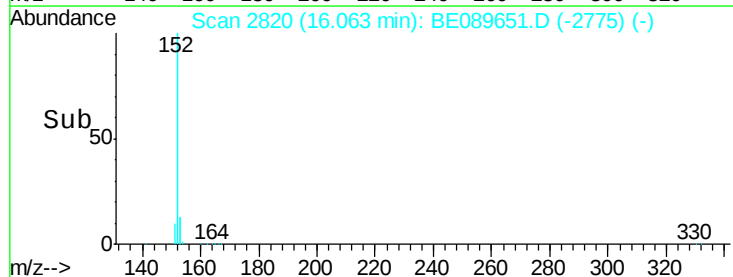
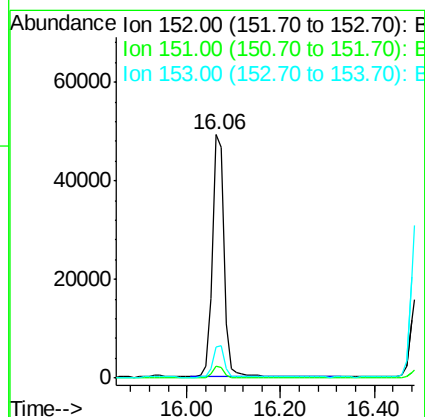
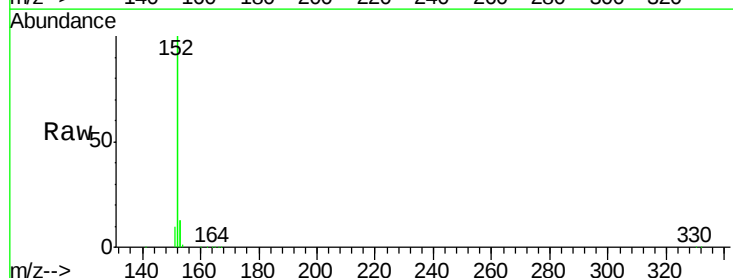
RT: 16.06 min Scan# 2820

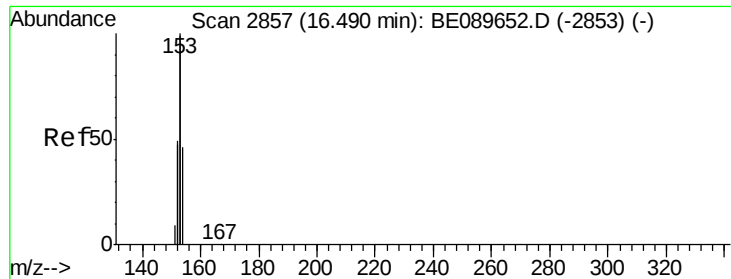
Delta R.T. -0.01 min

Lab File: BE089651.D

Acq: 23 Feb 2015 21:33

Tgt Ion:152	Resp:	85798
Ion Ratio	Lower	Upper
152	100	
151	4.7	3.8 5.6
153	12.9	10.4 15.6





#11

Acenaphthene

Concen: 0.69 ng

RT: 16.49 min Scan# 2859

Delta R.T. 0.00 min

Lab File: BE089651.D

Acq: 23 Feb 2015 21:33

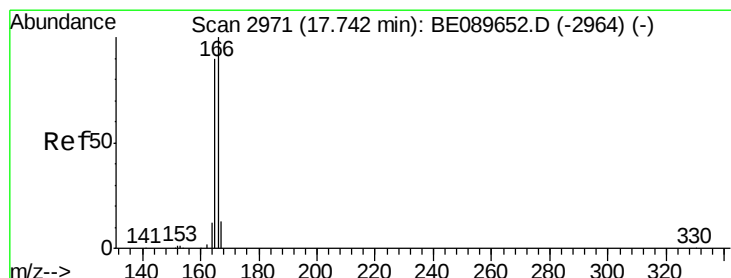
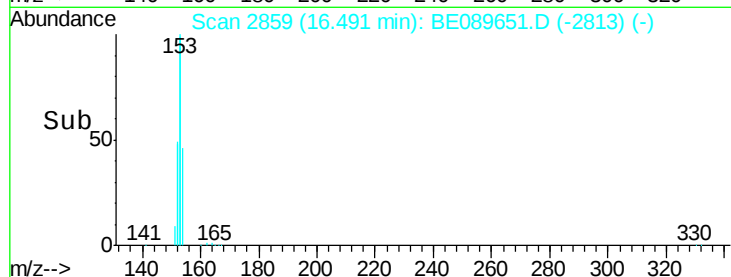
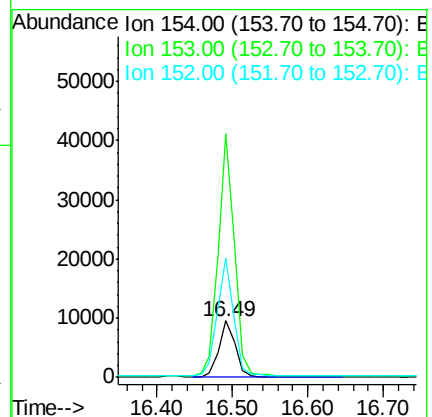
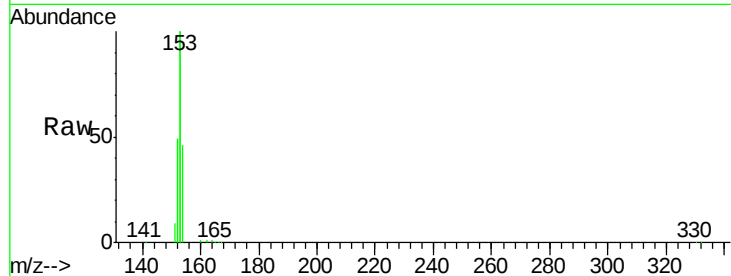
Tot Ion:154 Resp: 14202

Ion Ratio Lower Upper

154 100

153 431.2 343.0 514.4

152 210.5 165.8 248.8



#12

Fluorene

Concen: 0.70 ng

RT: 17.74 min Scan# 2973

Delta R.T. 0.00 min

Lab File: BE089651.D

Acq: 23 Feb 2015 21:33

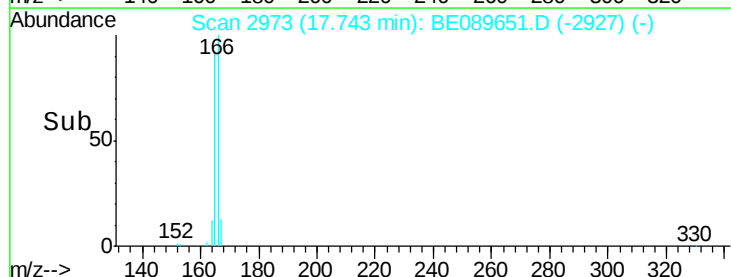
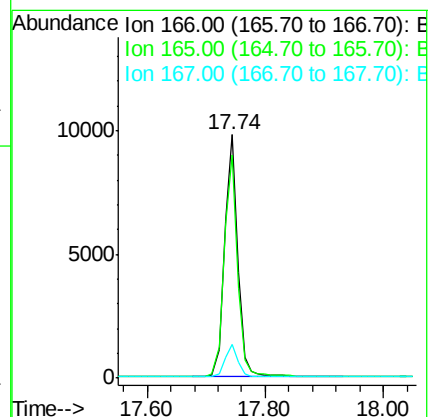
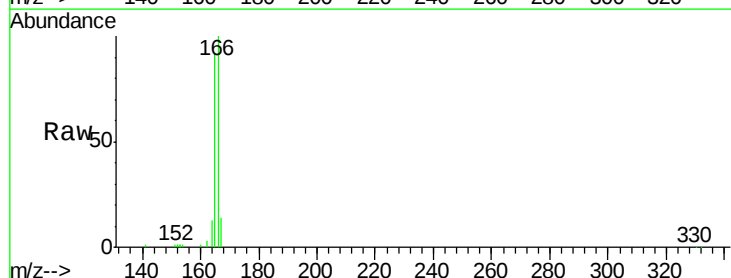
Tgt Ion:166 Resp: 15253

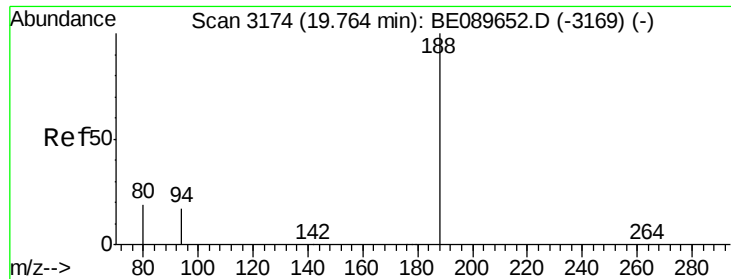
Ion Ratio Lower Upper

166 100

165 92.7 73.6 110.4

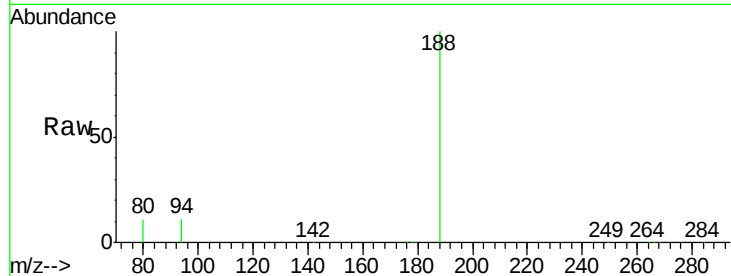
167 13.1 10.5 15.7





#13
Phenanthrene-d10
Concen: 5.00 ng
RT: 19.77 min Scan# 3177
Delta R.T. 0.01 min
Lab File: BE089651.D
Acq: 23 Feb 2015 21:33

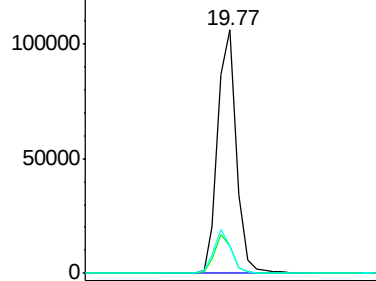
Tot Ion	Ratio	Lower	Upper
188	100		
94	11.2	13.8	20.8#
80	11.2	15.0	22.6#



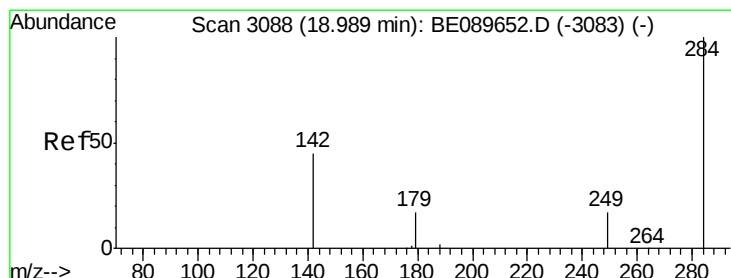
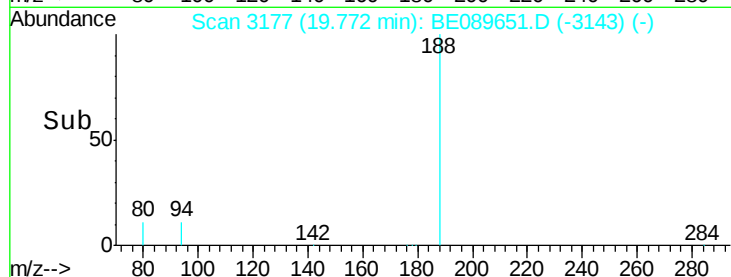
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0

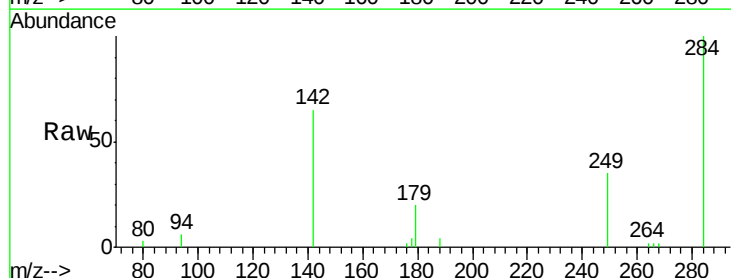


Time-->



#14
Hexachlorobenzene
Concen: 0.68 ng
RT: 18.99 min Scan# 3090
Delta R.T. -0.00 min
Lab File: BE089651.D
Acq: 23 Feb 2015 21:33

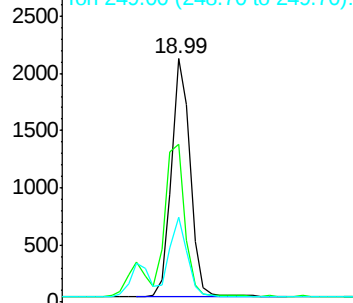
Tgt Ion	Ratio	Lower	Upper
284	100		
142	66.4	55.0	82.6
249	32.2	26.1	39.1



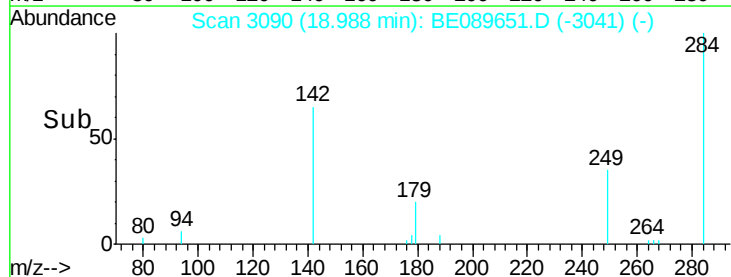
Abundance Ion 283.80 (283.50 to 284.50): E

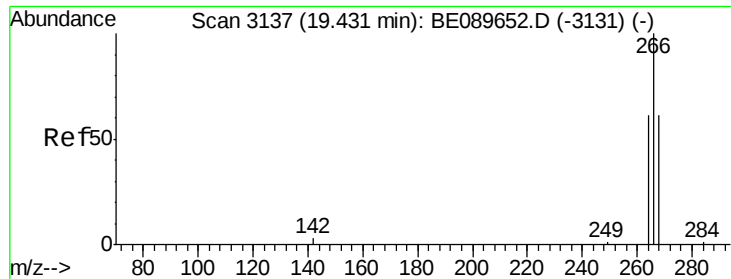
Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



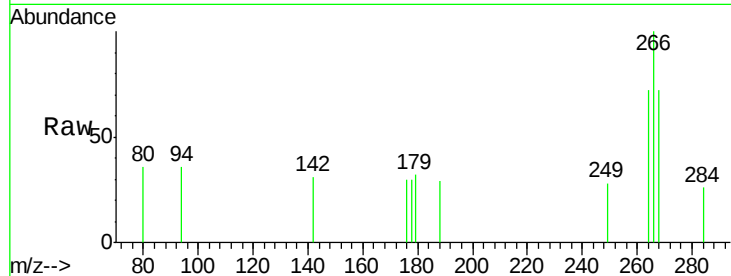
Time-->



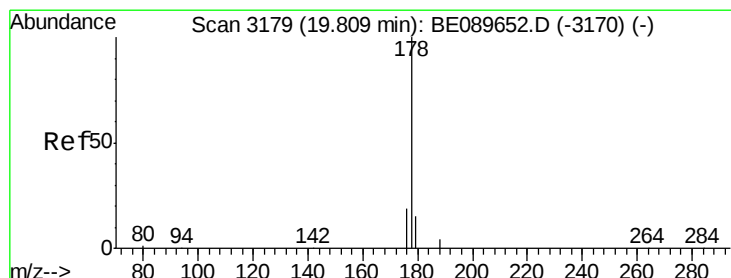
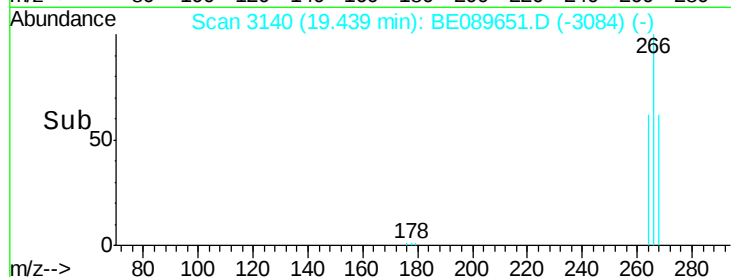
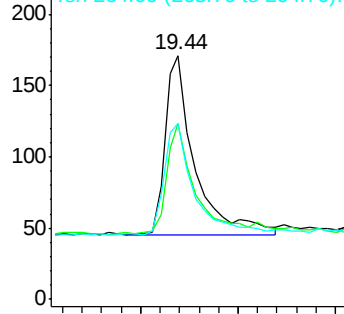


#15
 Pentachlorophenol
 Concen: 0.25 ng
 RT: 19.44 min Scan# 3140
 Delta R.T. 0.01 min
 Lab File: BE089651.D
 Acq: 23 Feb 2015 21:33

Tot Ion:266 Resp: 271
 Ion Ratio Lower Upper
 266 100
 268 71.9 54.7 82.1
 264 71.9 55.4 83.0

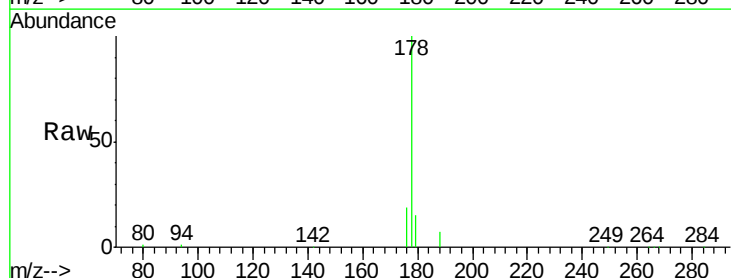


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

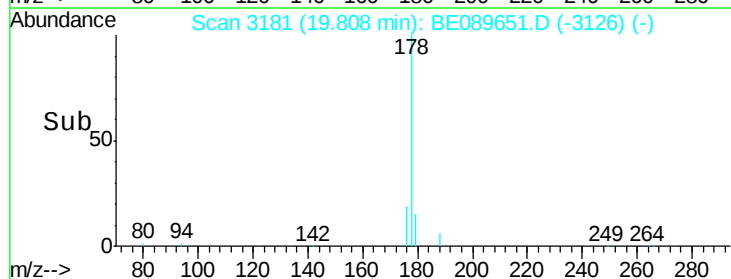
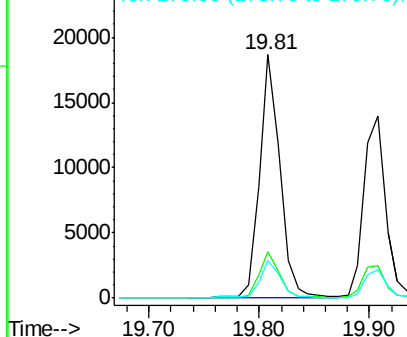


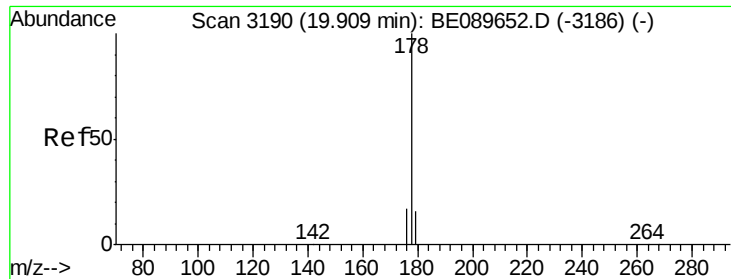
#16
 Phenanthrene
 Concen: 0.68 ng
 RT: 19.81 min Scan# 3181
 Delta R.T. -0.00 min
 Lab File: BE089651.D
 Acq: 23 Feb 2015 21:33

Tgt Ion:178 Resp: 23892
 Ion Ratio Lower Upper
 178 100
 176 18.8 15.3 22.9
 179 15.5 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: 0.69 ng

RT: 19.91 min Scan# 3192

Delta R.T. -0.00 min

Lab File: BE089651.D

Acq: 23 Feb 2015 21:33

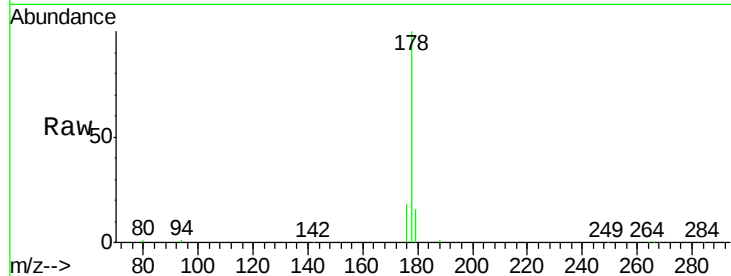
Tot Ion:178 Resp: 19686

Ion Ratio Lower Upper

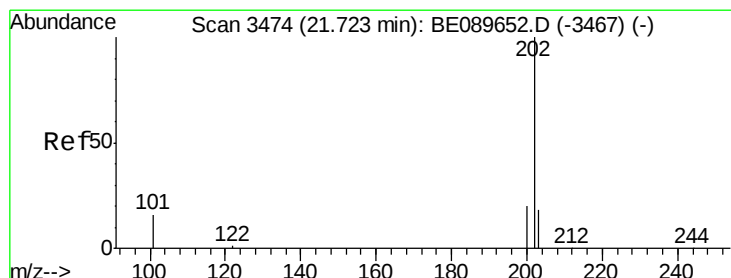
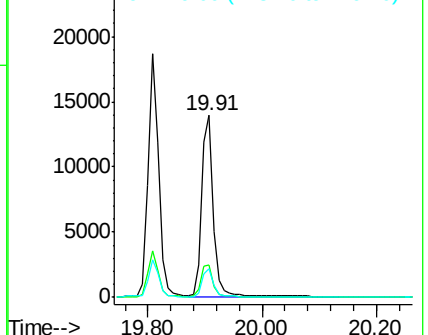
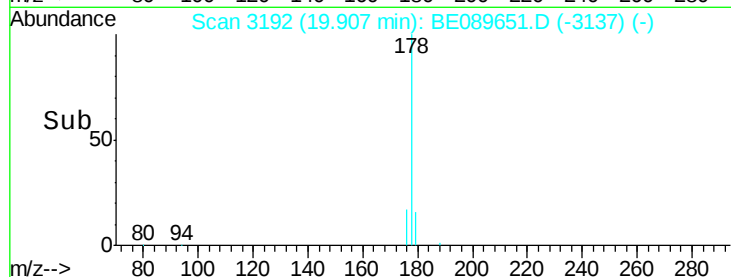
178 100

176 18.1 14.3 21.5

179 14.9 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: 0.77 ng

RT: 21.72 min Scan# 3476

Delta R.T. -0.00 min

Lab File: BE089651.D

Acq: 23 Feb 2015 21:33

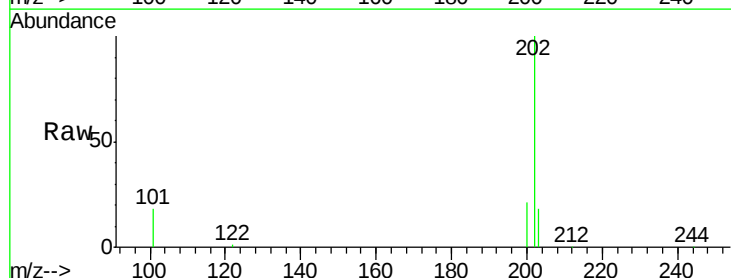
Tgt Ion:202 Resp: 19595

Ion Ratio Lower Upper

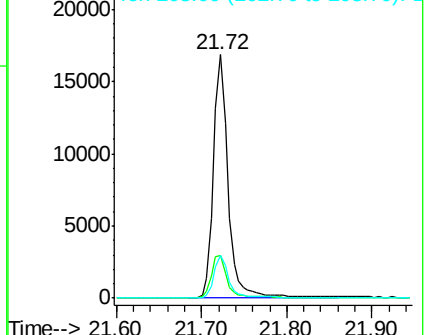
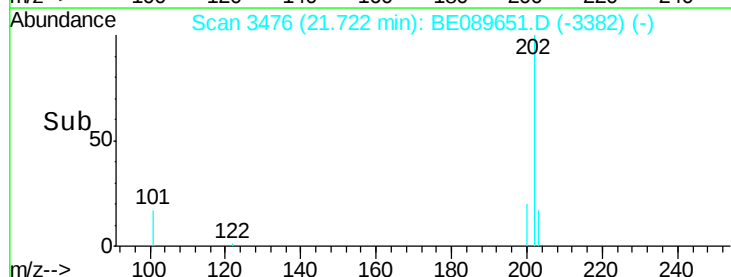
202 100

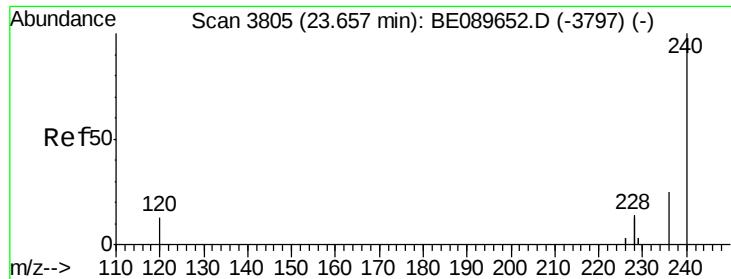
101 18.2 14.9 22.3

203 17.2 13.7 20.5



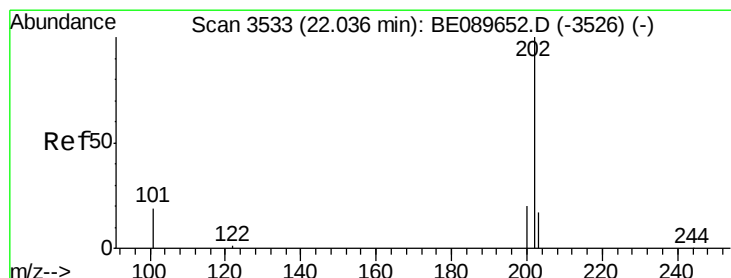
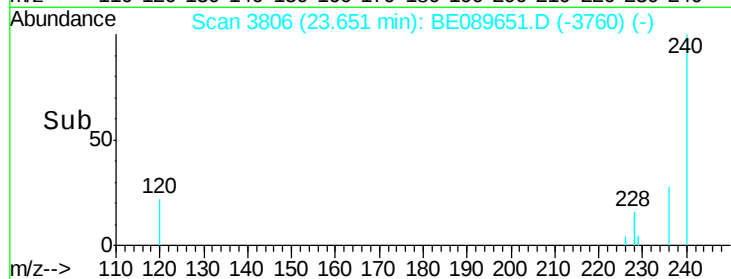
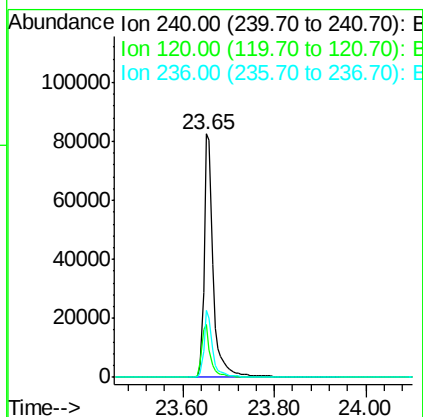
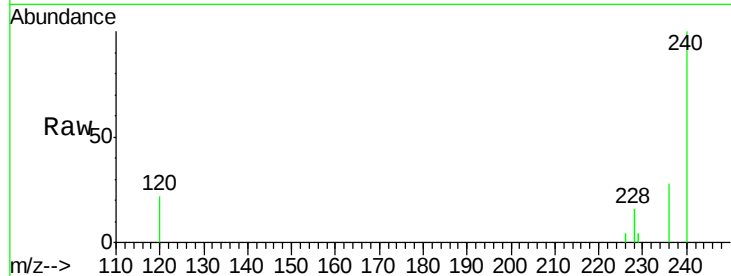
Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





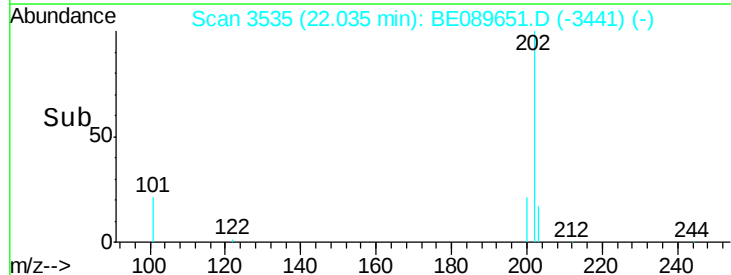
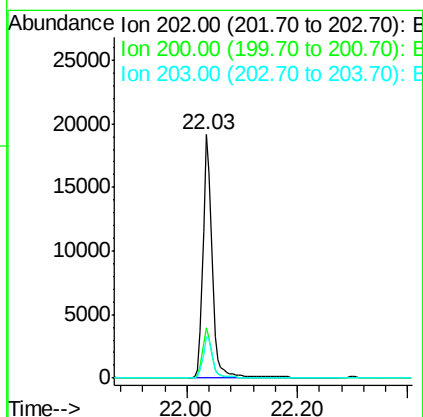
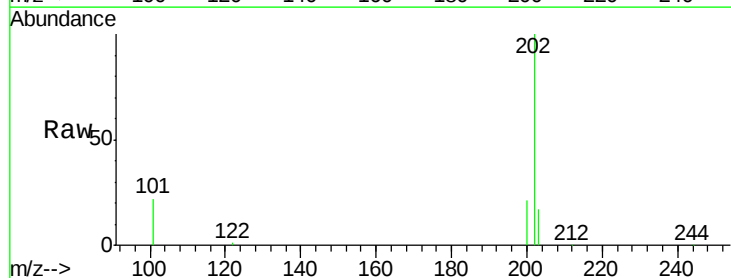
#19
Chrysene-d12
Concen: 5.00 ng
RT: 23.65 min Scan# 3806
Delta R.T. -0.01 min
Lab File: BE089651.D
Acq: 23 Feb 2015 21:33

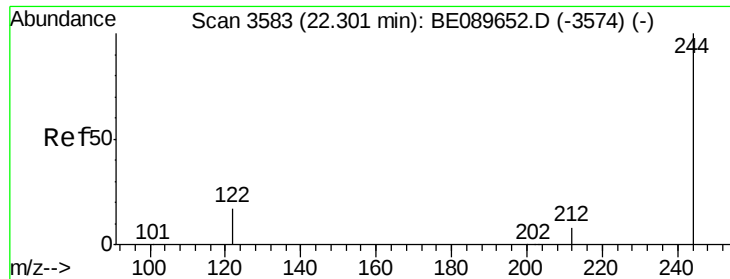
Tot Ion:240 Resp: 112266
Ion Ratio Lower Upper
240 100
120 21.8 10.6 15.8#
236 27.6 20.3 30.5



#20
Pyrene
Concen: 0.61 ng
RT: 22.03 min Scan# 3535
Delta R.T. -0.00 min
Lab File: BE089651.D
Acq: 23 Feb 2015 21:33

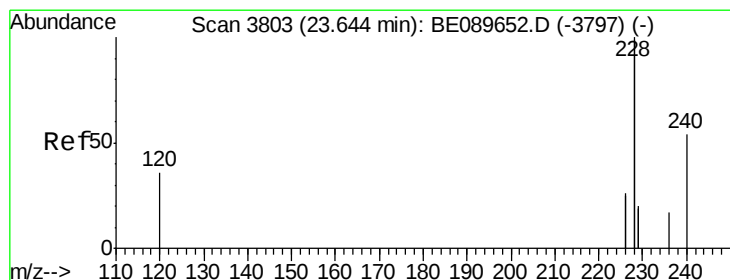
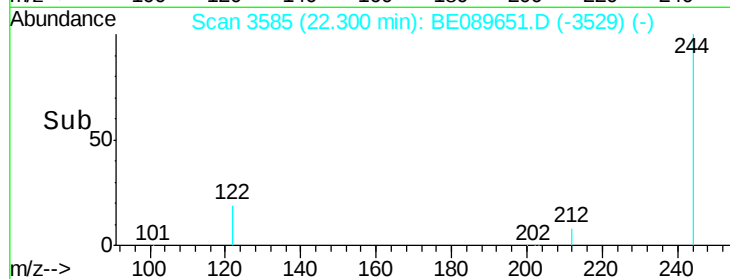
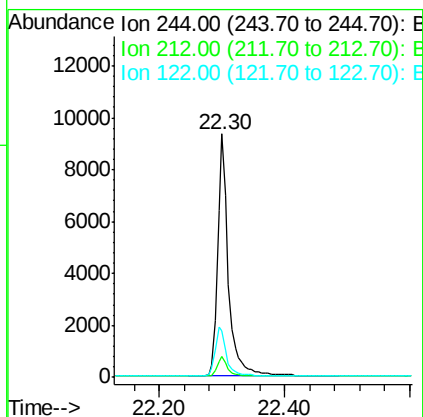
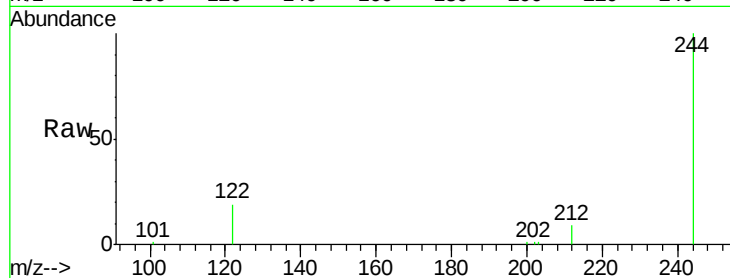
Tgt Ion:202 Resp: 21436
Ion Ratio Lower Upper
202 100
200 20.3 16.5 24.7
203 17.3 13.8 20.6





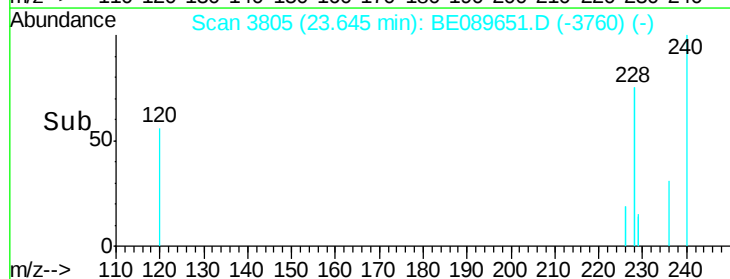
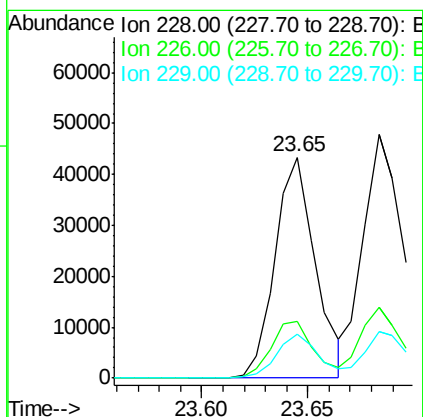
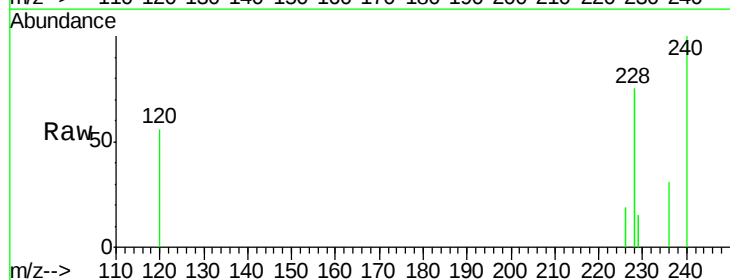
#21
 Terphenyl-d14
 Concen: 0.62 ng
 RT: 22.30 min Scan# 3585
 Delta R.T. -0.00 min
 Lab File: BE089651.D
 Acq: 23 Feb 2015 21:33

Tot Ion:244 Resp: 11237
 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: 0.68 ng
 RT: 23.65 min Scan# 3805
 Delta R.T. 0.00 min
 Lab File: BE089651.D
 Acq: 23 Feb 2015 21:33

Tgt Ion:228 Resp: 56408
 Ion Ratio Lower Upper
 228 100
 226 25.8 20.9 31.3
 229 20.1 15.8 23.6





#23

Chrysene

Concen: 0.67 ng

RT: 23.68 min Scan# 3811

Delta R.T. -0.01 min

Lab File: BE089651.D

Acq: 23 Feb 2015 21:33

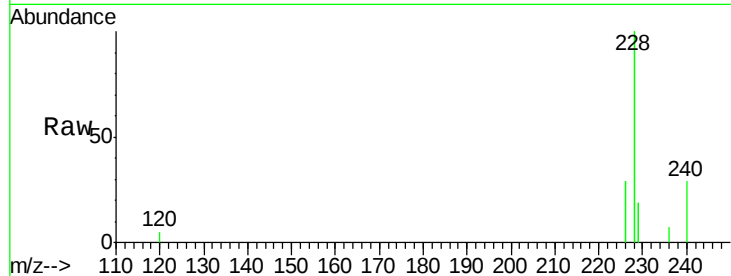
Tot Ion:228 Resp: 81378

Ion Ratio Lower Upper

228 100

226 29.3 22.0 33.0

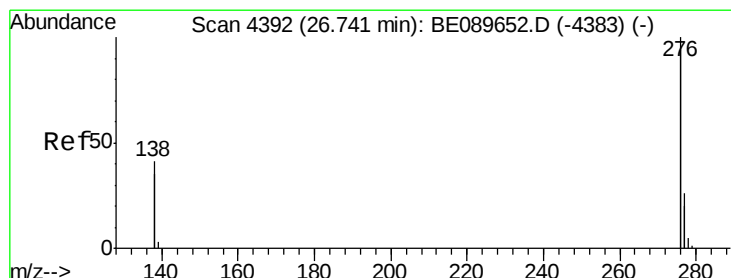
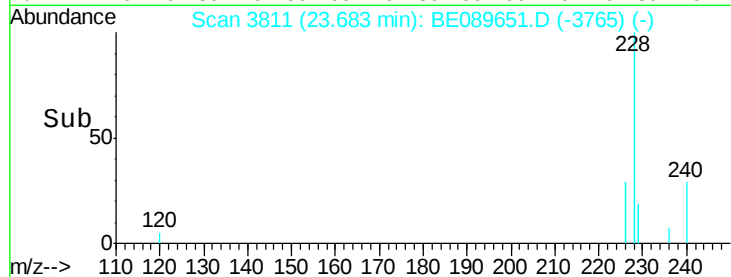
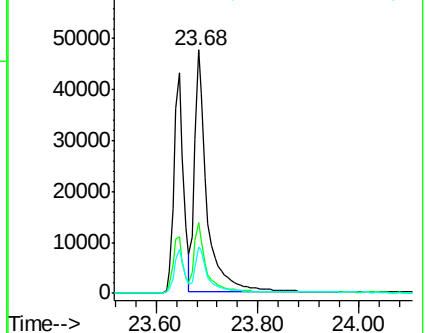
229 19.0 16.6 24.8



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: 0.63 ng

RT: 26.74 min Scan# 4393

Delta R.T. -0.01 min

Lab File: BE089651.D

Acq: 23 Feb 2015 21:33

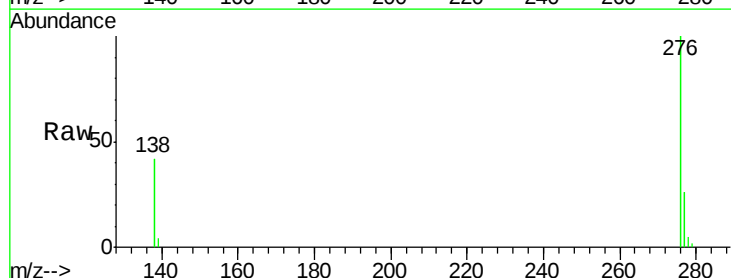
Tgt Ion:276 Resp: 29027

Ion Ratio Lower Upper

276 100

138 43.6 36.2 54.4

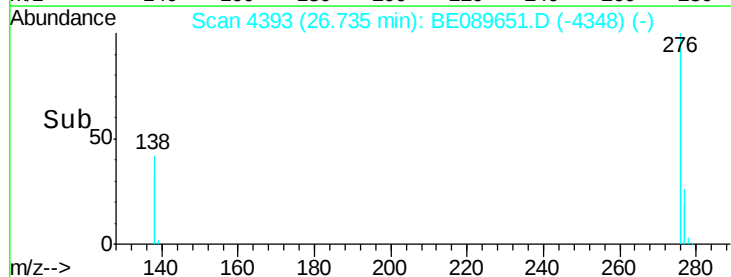
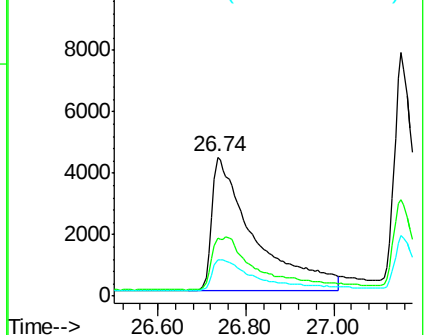
277 25.1 5.4 8.2#

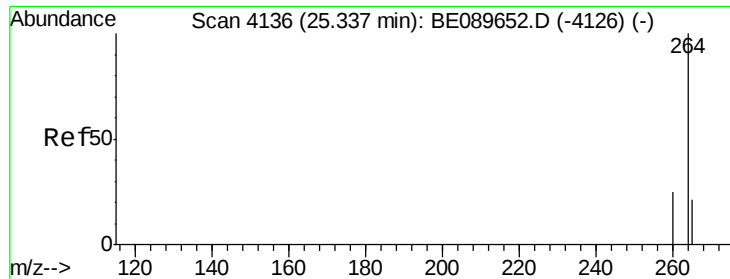


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

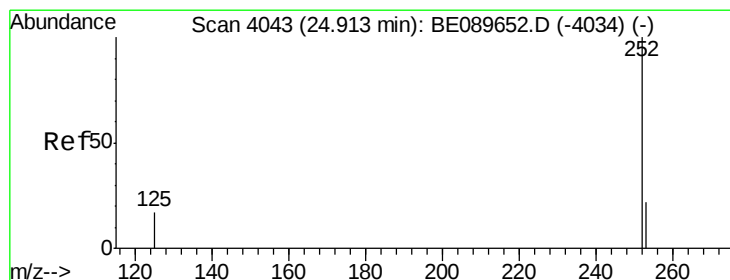
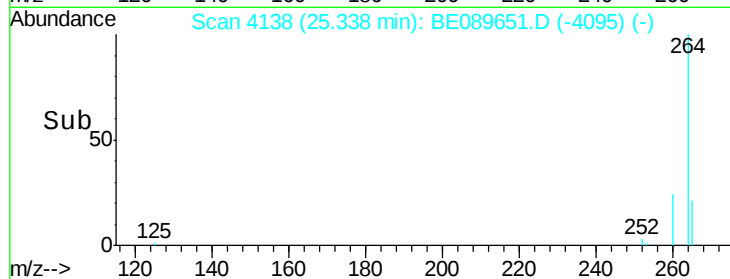
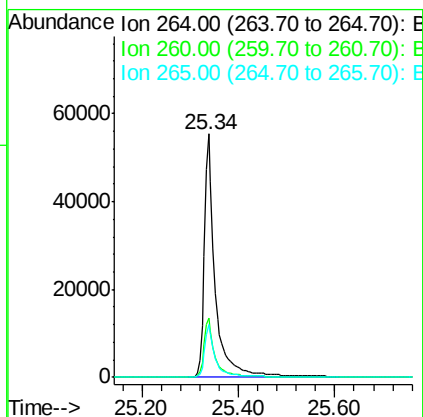
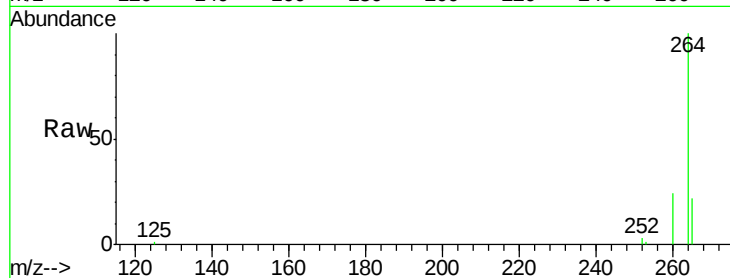
Ion 277.00 (276.70 to 277.70): E





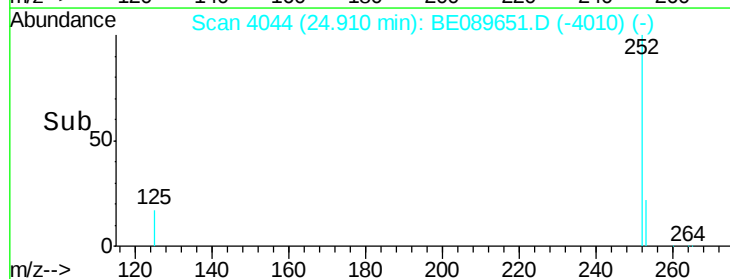
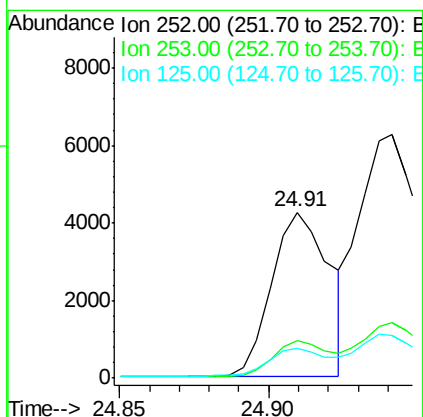
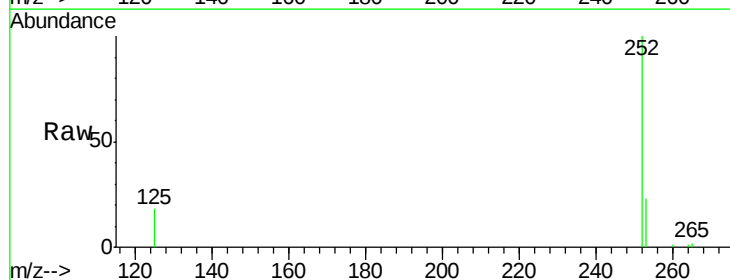
#25
Pervlene-d12
Concen: 5.00 ng
RT: 25.34 min Scan# 4138
Delta R.T. 0.00 min
Lab File: BE089651.D
Acq: 23 Feb 2015 21:33

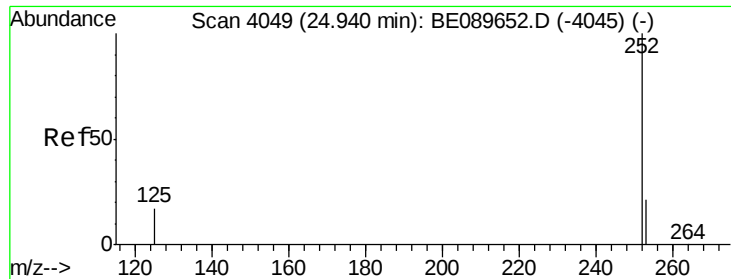
Tot Ion:264 Resp: 88106
Ion Ratio Lower Upper
264 100
260 24.4 20.0 30.0
265 21.5 16.8 25.2



#26
Benzo(b)fluoranthene
Concen: 0.67 ng
RT: 24.91 min Scan# 4044
Delta R.T. -0.00 min
Lab File: BE089651.D
Acq: 23 Feb 2015 21:33

Tgt Ion:252 Resp: 5682
Ion Ratio Lower Upper
252 100
253 22.5 18.3 27.5
125 17.9 14.6 22.0





#27

Benzo(k)fluoranthene

Concen: 0.76 ng

RT: 24.94 min Scan# 4051

Delta R.T. 0.00 min

Lab File: BE089651.D

Acq: 23 Feb 2015 21:33

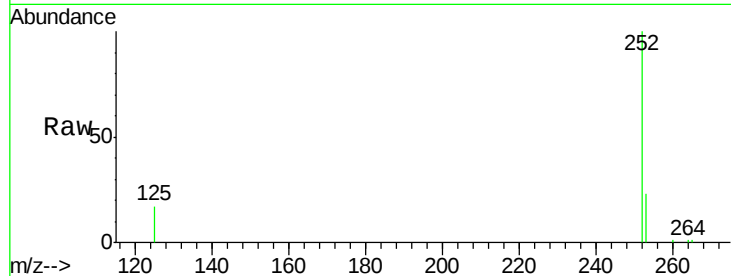
Tot Ion:252 Resp: 16880

Ion Ratio Lower Upper

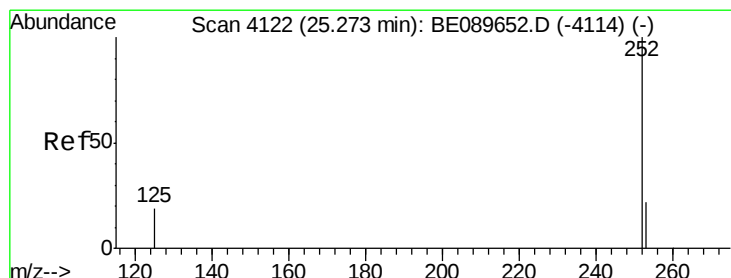
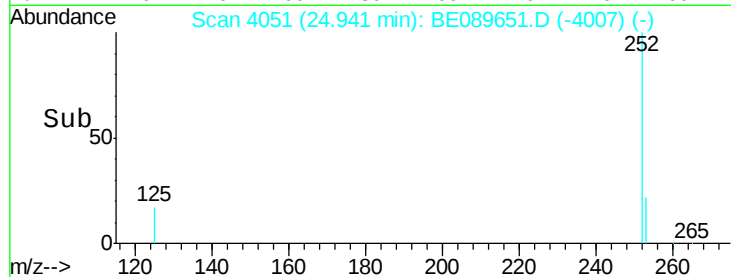
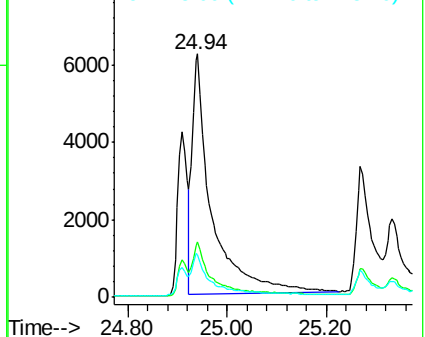
252 100

253 22.8 17.8 26.8

125 17.4 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: 0.66 ng

RT: 25.27 min Scan# 4123

Delta R.T. -0.00 min

Lab File: BE089651.D

Acq: 23 Feb 2015 21:33

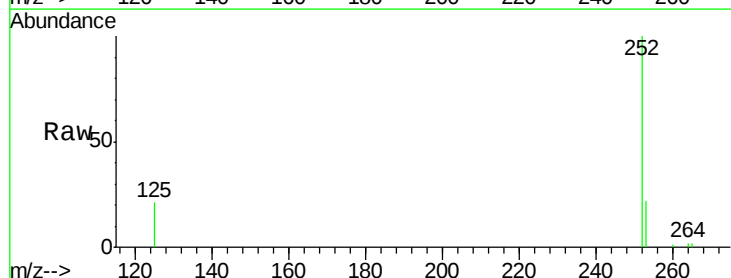
Tgt Ion:252 Resp: 6408

Ion Ratio Lower Upper

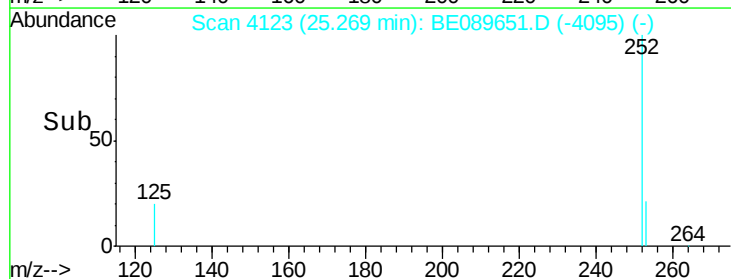
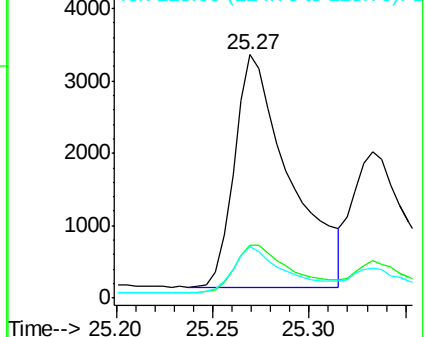
252 100

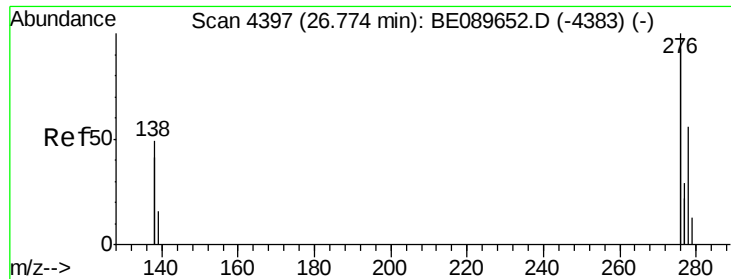
253 21.9 18.4 27.6

125 21.1 15.9 23.9



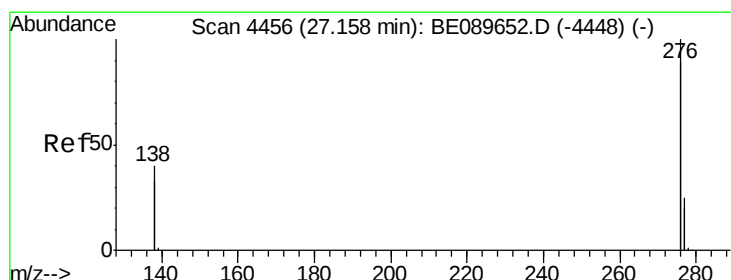
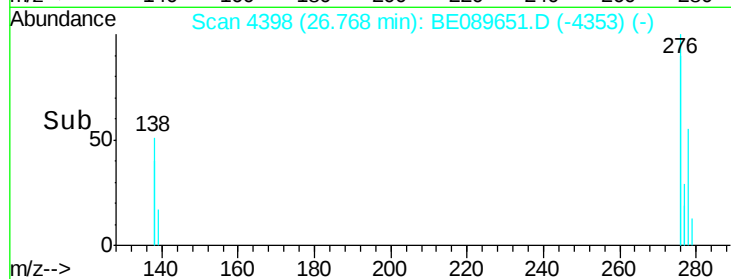
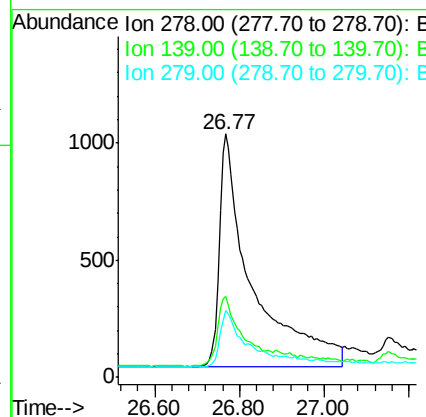
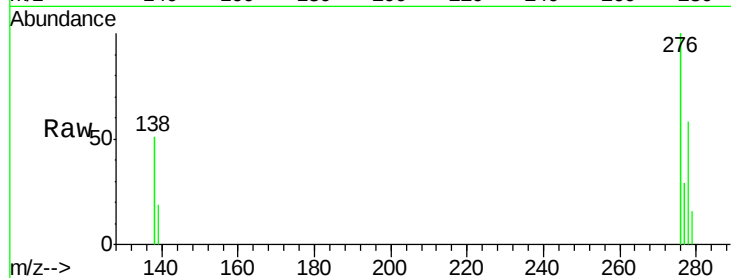
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#29
Dibenzo(a,h)anthracene
Concen: 0.66 ng
RT: 26.77 min Scan# 4398
Delta R.T. -0.01 min
Lab File: BE089651.D
Acq: 23 Feb 2015 21:33

Tot Ion: 278 Resp: 5365
Ion Ratio Lower Upper
278 100
139 33.5 25.4 38.2
279 27.3 20.0 30.0



#30
Benzo(g,h,i)perylene
Concen: 0.65 ng
RT: 27.15 min Scan# 4457
Delta R.T. -0.01 min
Lab File: BE089651.D
Acq: 23 Feb 2015 21:33

Tgt Ion: 276 Resp: 32827
Ion Ratio Lower Upper
276 100
277 24.7 20.2 30.2
138 39.5 32.4 48.6

