

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE022315\
 Data File : BE089664.D
 Acq On : 24 Feb 2015 6:36
 Operator : TP/JJ
 Sample : SSTDCCC001
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 24 07:45:25 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 03:46:57 2015

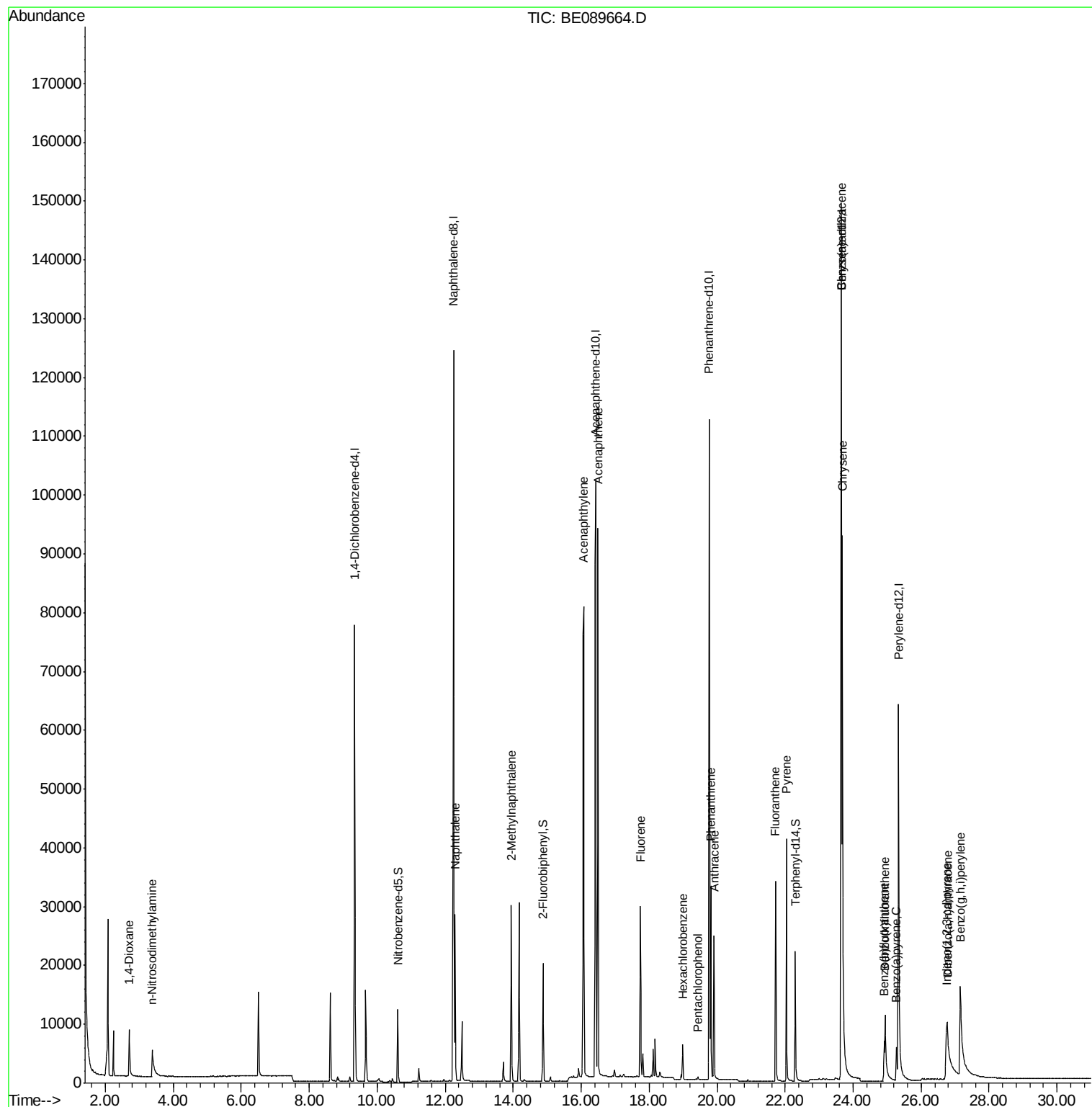
Response via : Initial Calibration

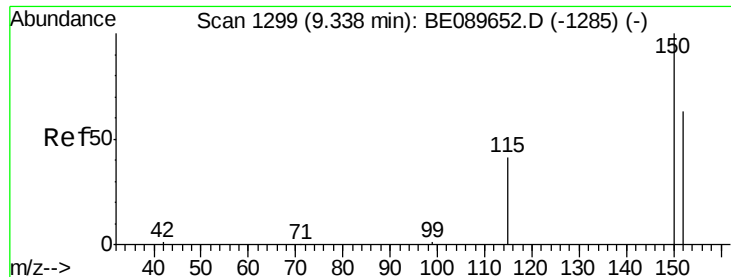
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.34	152	33969	5.00	ng	0.00
4) Naphthalene-d8	12.24	136	144407	5.00	ng	0.00
8) Acenaphthene-d10	16.42	164	65541	5.00	ng	0.00
13) Phenanthrene-d10	19.77	188	117883	5.00	ng	0.00
19) Chrysene-d12	23.66	240	92612	5.00	ng	0.00
25) Perylene-d12	25.34	264	70313	5.00	ng	0.00
System Monitoring Compounds						
5) Nitrobenzene-d5	10.60	82	8951	1.11	ng	0.00
9) 2-Fluorobiphenyl	14.88	172	19121	1.20	ng	0.00
21) Terphenyl-d14	22.30	244	21668	1.64	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.70	88	5172	1.19	ng	94
3) n-Nitrosodimethylamine	3.37	42	6862	1.17	ng	# 98
6) Naphthalene	12.29	128	34160	1.16	ng	99
7) 2-Methylnaphthalene	13.94	142	20042	1.21	ng	99
10) Acenaphthylene	16.07	152	116696	1.21	ng	100
11) Acenaphthene	16.49	154	18188	1.16	ng	97
12) Fluorene	17.74	166	20389	1.19	ng	99
14) Hexachlorobenzene	18.99	284	3824	1.19	ng	98
15) Pentachlorophenol	19.43	266	370	0.96	ng	97
16) Phenanthrene	19.81	178	30297	1.17	ng	100
17) Anthracene	19.91	178	26549	1.21	ng	100
18) Fluoranthene	21.72	202	26015	1.20	ng	100
20) Pyrene	22.04	202	28340	1.22	ng	100
22) Benzo(a)anthracene	23.64	228	71105	1.10	ng	100
23) Chrysene	23.68	228	102346	1.17	ng	95
24) Indeno(1,2,3-cd)pyrene	26.74	276	37350	0.93	ng	# 91
26) Benzo(b)fluoranthene	24.91	252	6632	0.87	ng	98
27) Benzo(k)fluoranthene	24.94	252	22236	1.16	ng	99
28) Benzo(a)pyrene	25.27	252	8143	0.93	ng	99
29) Dibenzo(a,h)anthracene	26.77	278	6794	0.93	ng	95
30) Benzo(g,h,i)perylene	27.16	276	41926	1.03	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# 1299

Delta R.T. -0.00 min

Lab File: BE089664.D

Acq: 24 Feb 2015 6:36

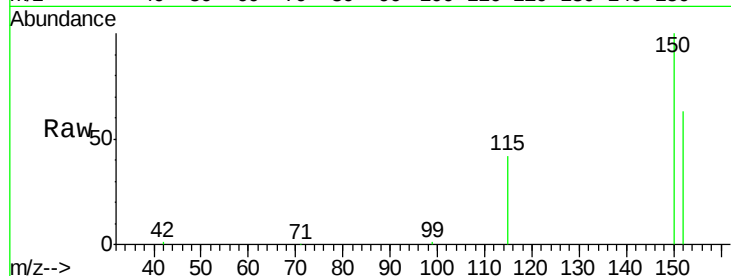
Tgt Ion: 152 Resp: 33969

Ion Ratio Lower Upper

152 100

150 158.0 127.0 190.6

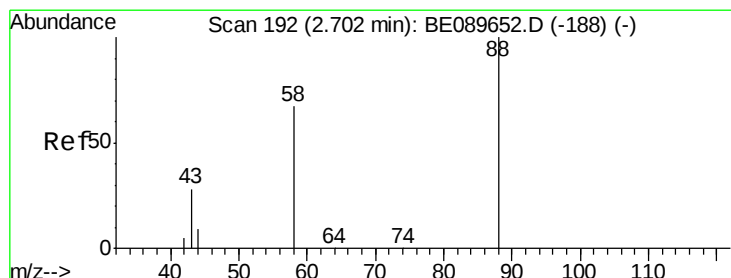
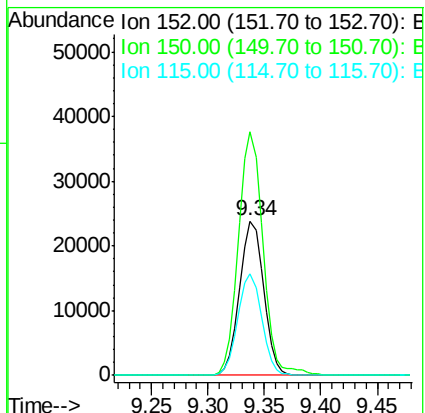
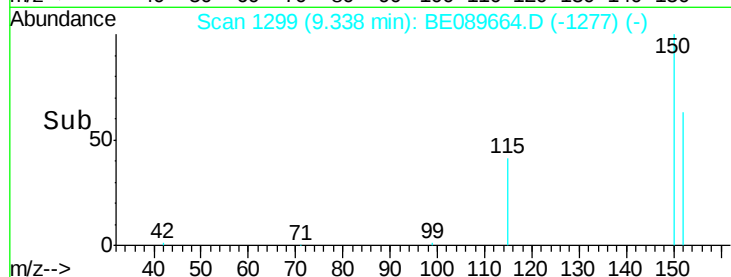
115 65.7 52.4 78.6



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: 1.19 ng

RT: 2.70 min Scan# 192

Delta R.T. -0.00 min

Lab File: BE089664.D

Acq: 24 Feb 2015 6:36

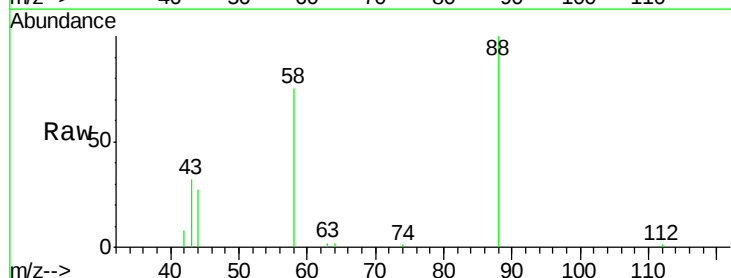
Tgt Ion: 88 Resp: 5172

Ion Ratio Lower Upper

88 100

58 83.3 61.8 92.6

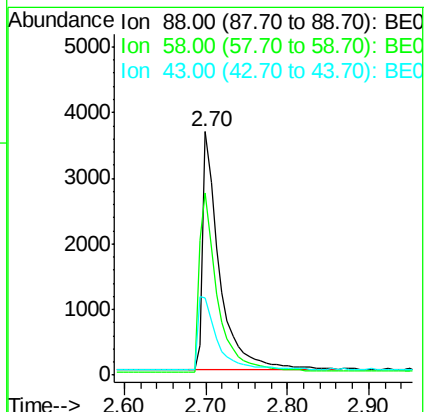
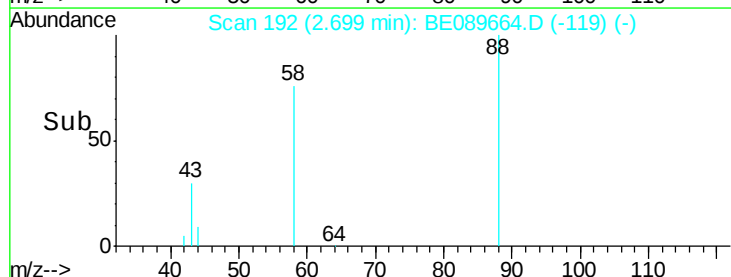
43 35.6 26.4 39.6

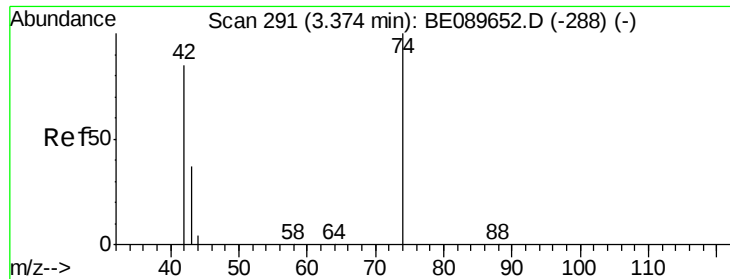


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0

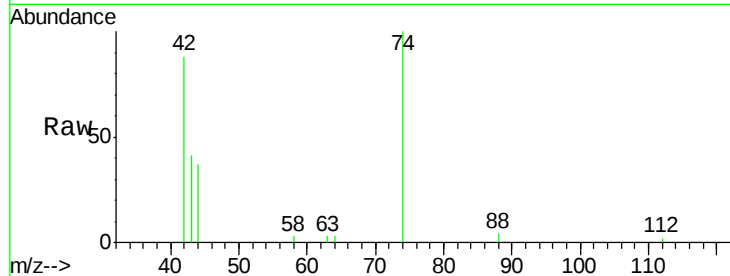




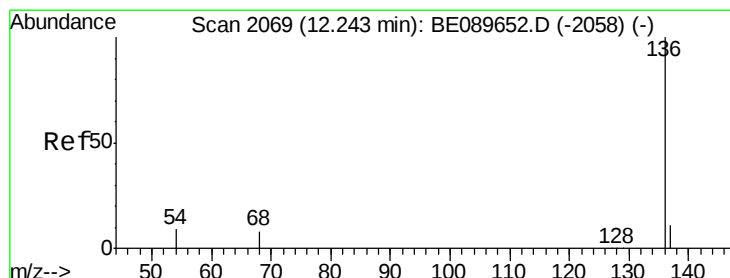
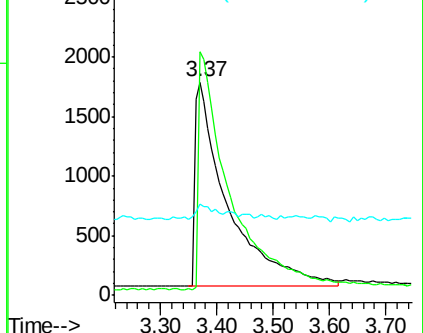
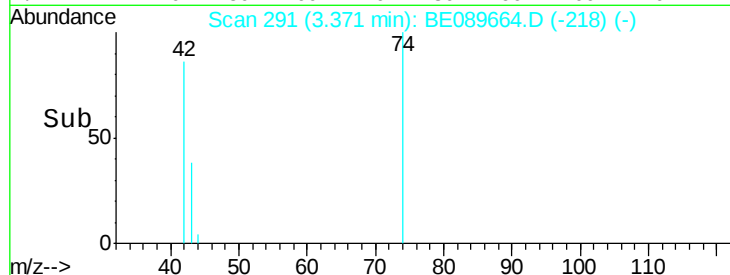
#3

n-Nitrosodimethylamine
 Concen: 1.17 ng
 RT: 3.37 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: BE089664.D
 Acq: 24 Feb 2015 6:36

Tgt Ion: 42 Resp: 6862
 Ion Ratio Lower Upper
 42 100
 74 117.5 92.5 138.7
 44 3.7 4.9 7.3#



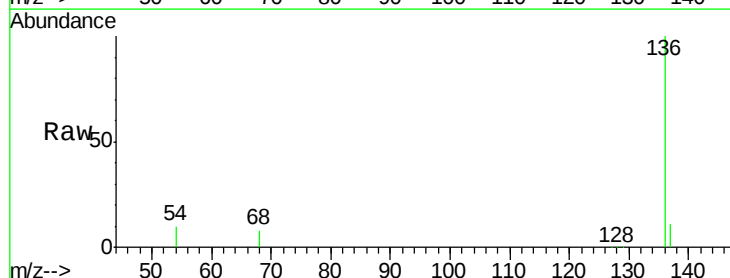
Abundance Ion 42.00 (41.70 to 42.70): BE0
 Ion 74.00 (73.70 to 74.70): BE0
 Ion 44.00 (43.70 to 44.70): BE0



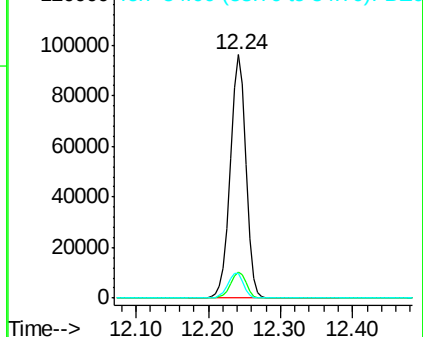
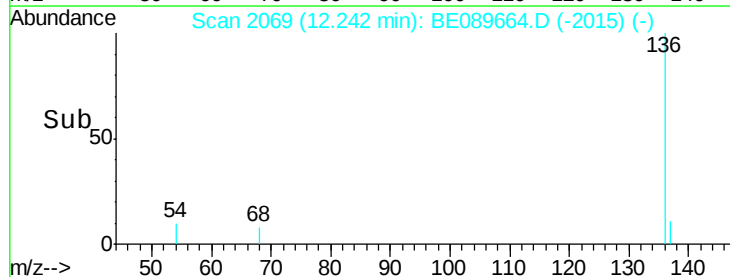
#4

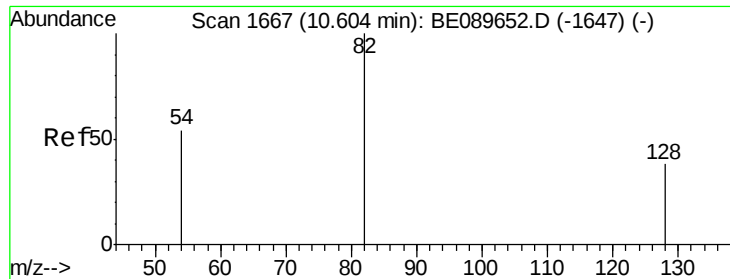
Naphthalene-d8
 Concen: 5.00 ng
 RT: 12.24 min Scan# 2069
 Delta R.T. -0.00 min
 Lab File: BE089664.D
 Acq: 24 Feb 2015 6:36

Tgt Ion: 136 Resp: 144407
 Ion Ratio Lower Upper
 136 100
 137 10.9 8.7 13.1
 54 10.0 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: 1.11 ng

RT: 10.60 min Scan# 1667

Delta R.T. -0.00 min

Lab File: BE089664.D

Acq: 24 Feb 2015 6:36

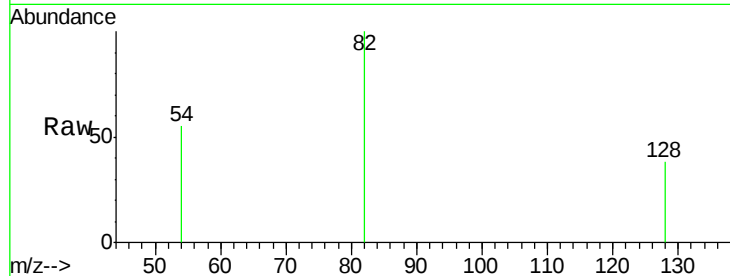
Tgt Ion: 82 Resp: 8951

Ion Ratio Lower Upper

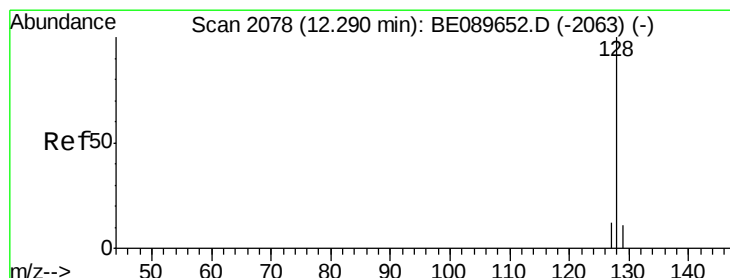
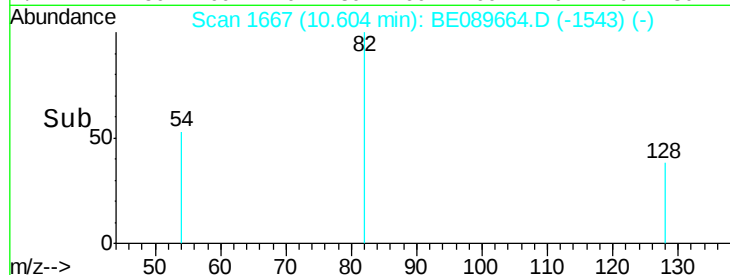
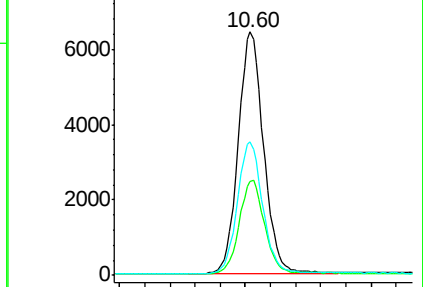
82 100

128 38.4 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: 1.16 ng

RT: 12.29 min Scan# 2078

Delta R.T. -0.00 min

Lab File: BE089664.D

Acq: 24 Feb 2015 6:36

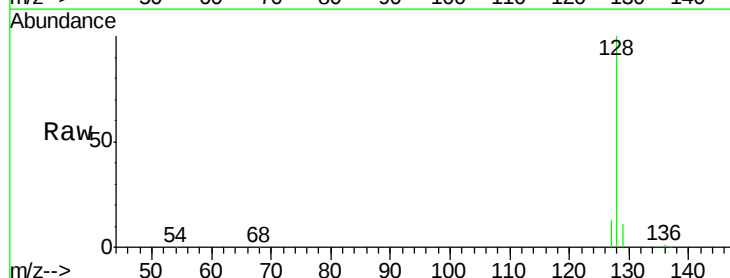
Tgt Ion: 128 Resp: 34160

Ion Ratio Lower Upper

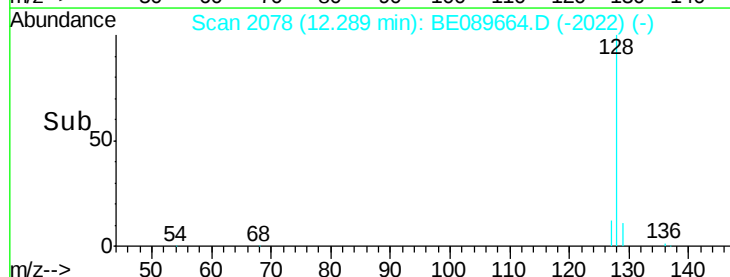
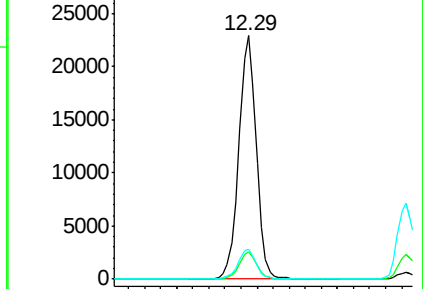
128 100

129 11.1 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: 1.21 ng

RT: 13.94 min Scan# 2416

Delta R.T. -0.00 min

Lab File: BE089664.D

Acq: 24 Feb 2015 6:36

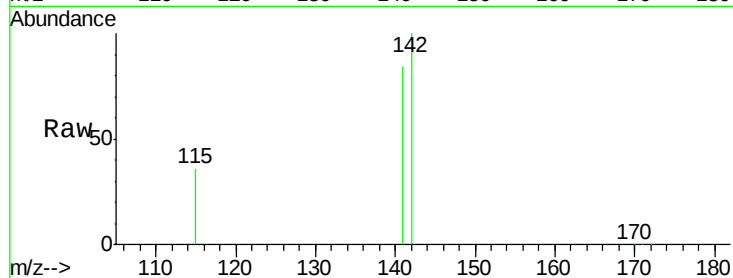
Tgt Ion:142 Resp: 20042

Ion Ratio Lower Upper

142 100

141 84.3 68.6 103.0

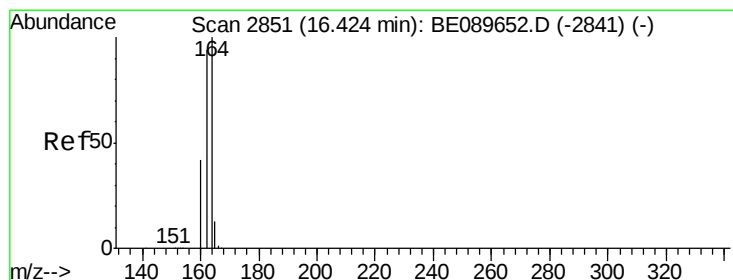
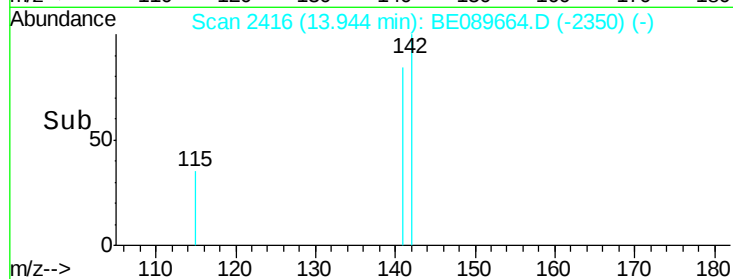
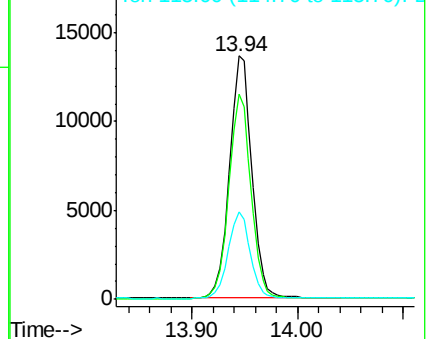
115 35.8 29.0 43.6



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: 16.42 min Scan# 2851

Delta R.T. -0.00 min

Lab File: BE089664.D

Acq: 24 Feb 2015 6:36

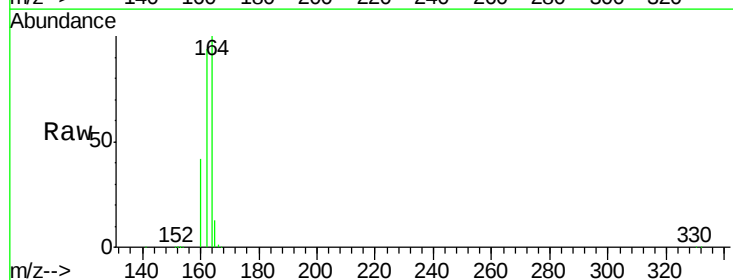
Tgt Ion:164 Resp: 65541

Ion Ratio Lower Upper

164 100

162 93.7 75.4 113.2

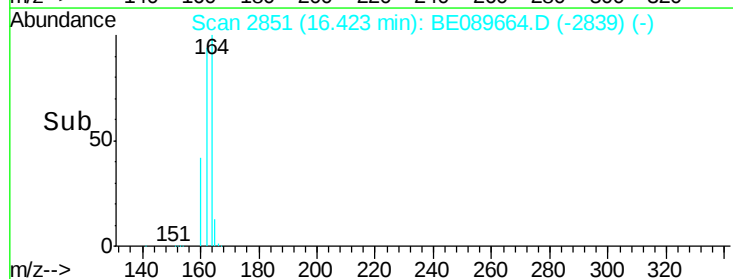
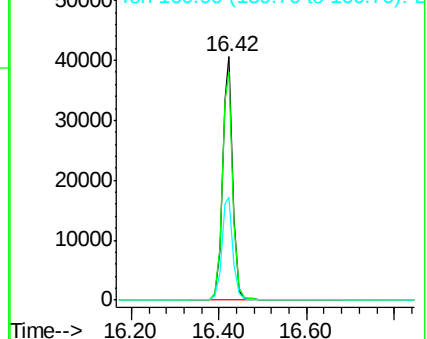
160 42.0 33.7 50.5



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

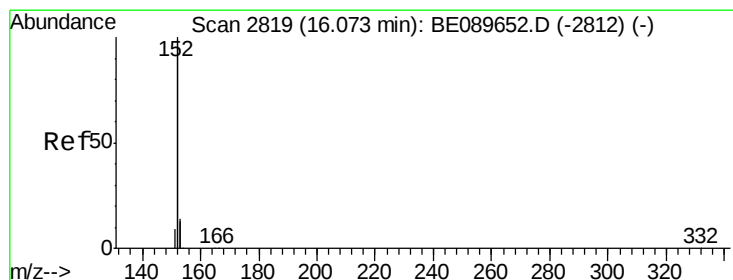
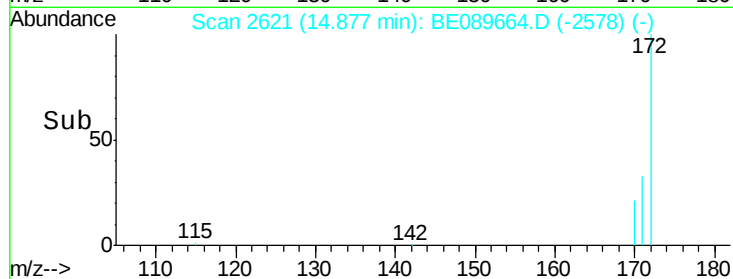
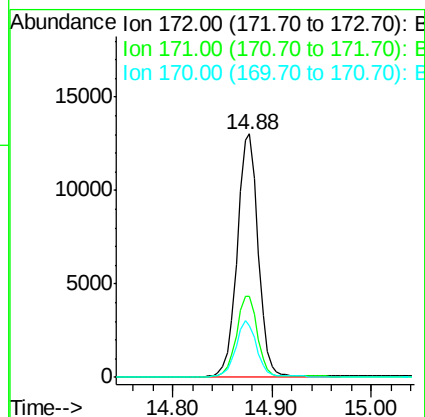
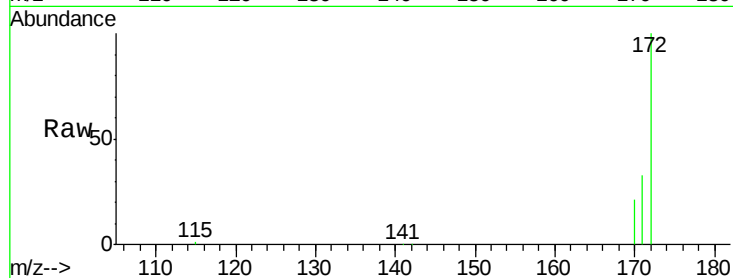
Ion 160.00 (159.70 to 160.70): E





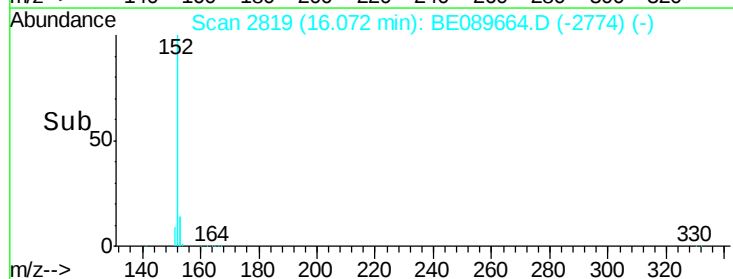
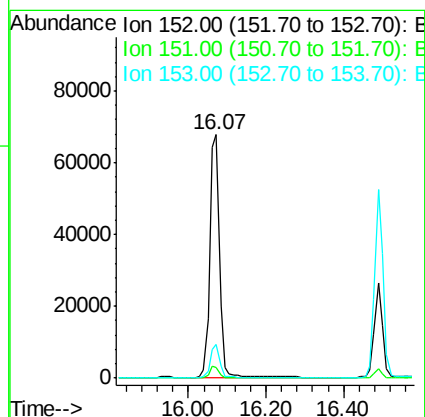
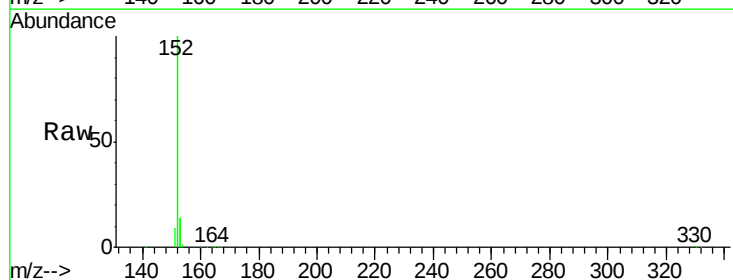
#9
 2-Fluorobiphenyl
 Concen: 1.20 ng
 RT: 14.88 min Scan# 2621
 Delta R.T. 0.00 min
 Lab File: BE089664.D
 Acq: 24 Feb 2015 6:36

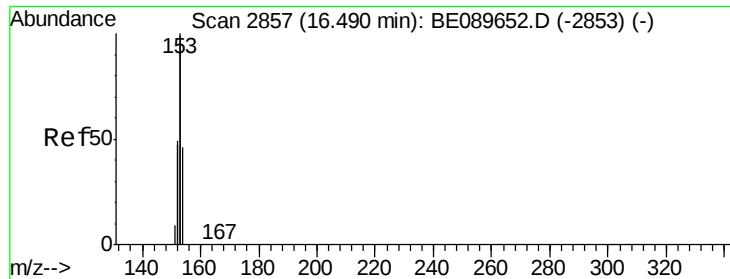
Tgt Ion:172 Resp: 19121
 Ion Ratio Lower Upper
 172 100
 171 33.4 26.2 39.4
 170 21.5 17.7 26.5



#10
 Acenaphthylene
 Concen: 1.21 ng
 RT: 16.07 min Scan# 2819
 Delta R.T. -0.00 min
 Lab File: BE089664.D
 Acq: 24 Feb 2015 6:36

Tgt Ion:152 Resp: 116696
 Ion Ratio Lower Upper
 152 100
 151 4.7 3.8 5.6
 153 13.0 10.4 15.6





#11

Acenaphthene

Concen: 1.16 ng

RT: 16.49 min Scan# 2857

Delta R.T. -0.00 min

Lab File: BE089664.D

Acq: 24 Feb 2015 6:36

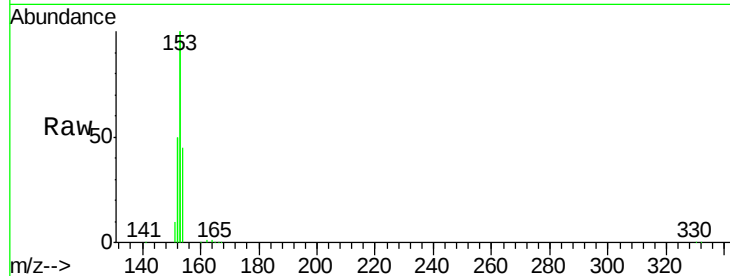
Tgt Ion:154 Resp: 18188

Ion Ratio Lower Upper

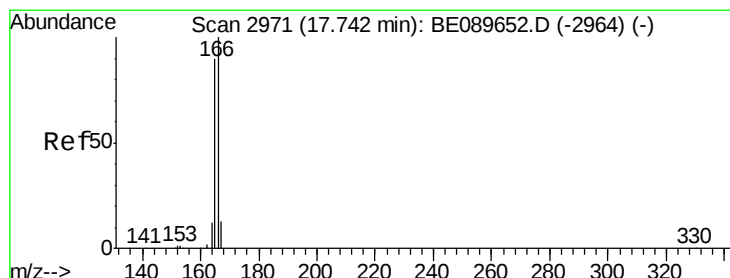
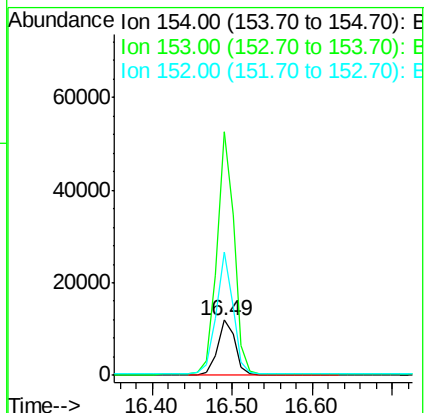
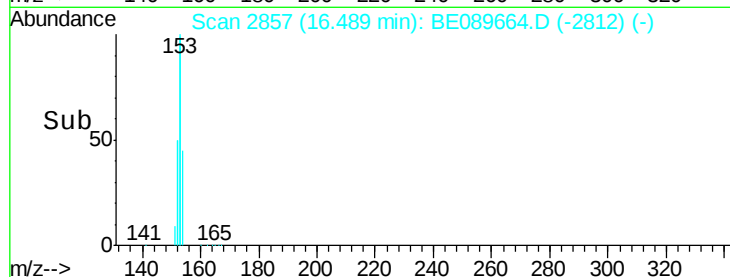
154 100

153 437.4 343.0 514.4

152 212.0 165.8 248.8



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: 1.19 ng

RT: 17.74 min Scan# 2971

Delta R.T. -0.00 min

Lab File: BE089664.D

Acq: 24 Feb 2015 6:36

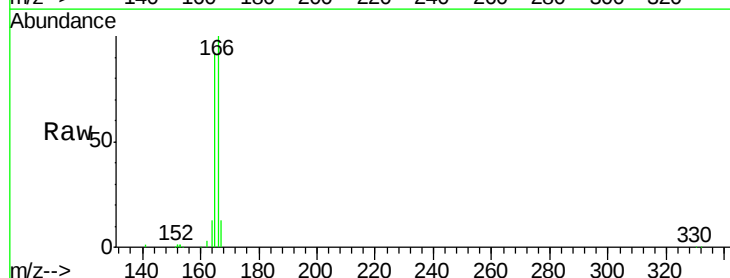
Tgt Ion:166 Resp: 20389

Ion Ratio Lower Upper

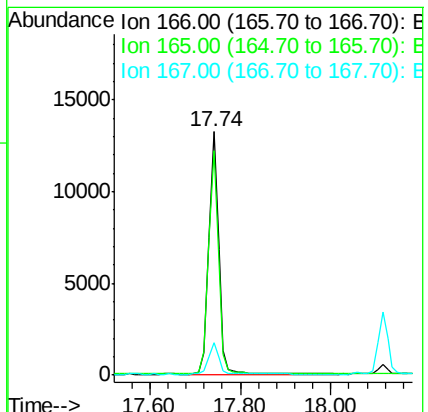
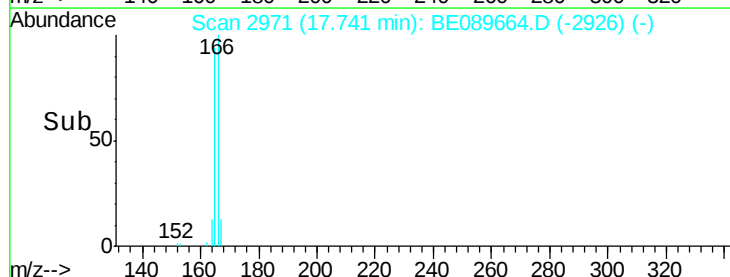
166 100

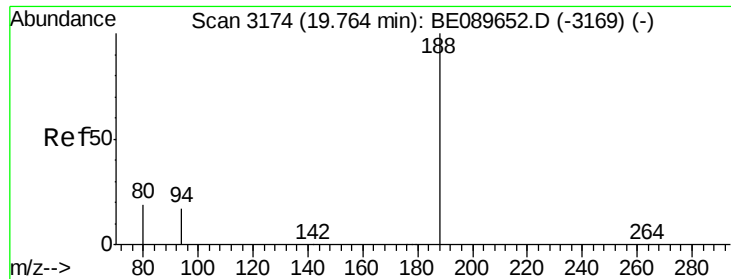
165 92.5 73.6 110.4

167 12.9 10.5 15.7



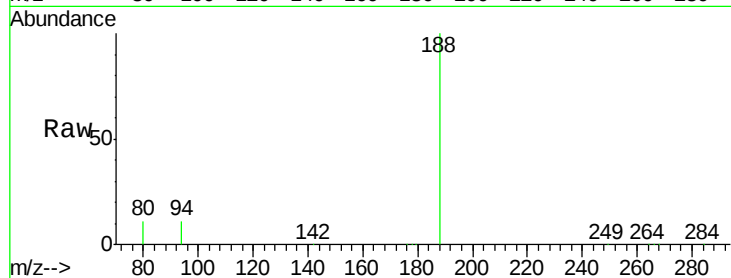
Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E



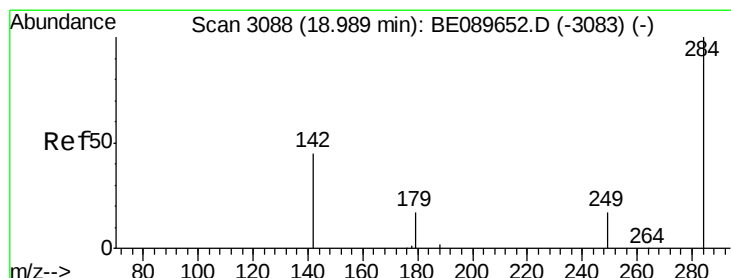
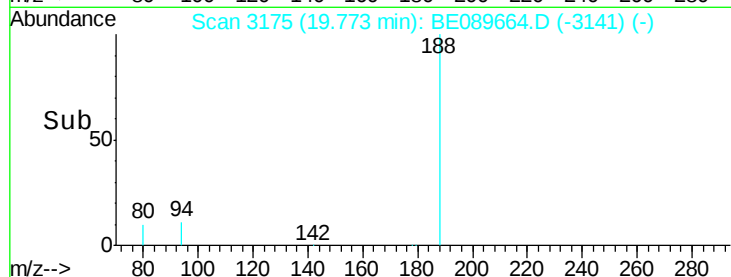
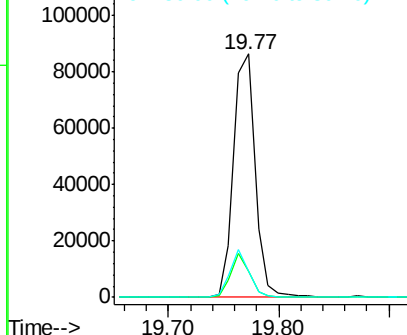


#13
Phenanthrene-d10
Concen: 5.00 ng
RT: 19.77 min Scan# 3175
Delta R.T. 0.01 min
Lab File: BE089664.D
Acq: 24 Feb 2015 6:36

Tgt Ion:188 Resp: 117883
Ion Ratio Lower Upper
188 100
94 10.8 13.8 20.8#
80 10.5 15.0 22.6#

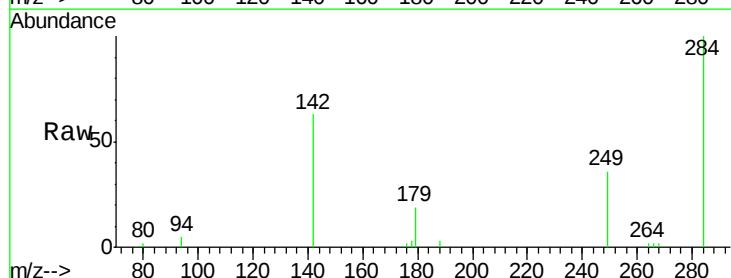


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BE0
Ion 80.00 (79.70 to 80.70): BE0

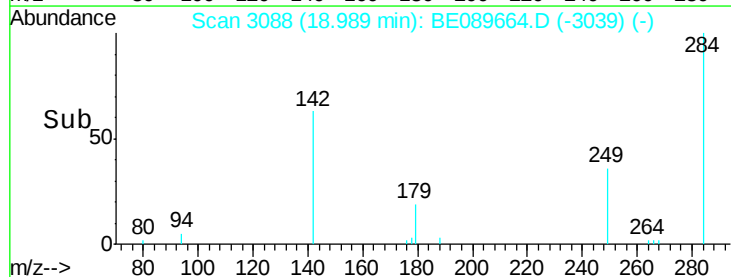
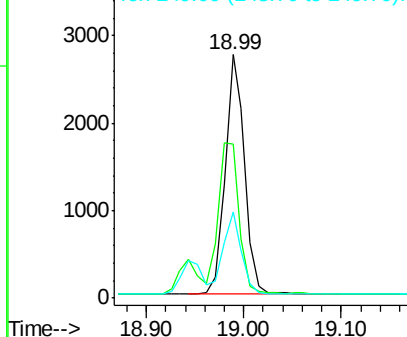


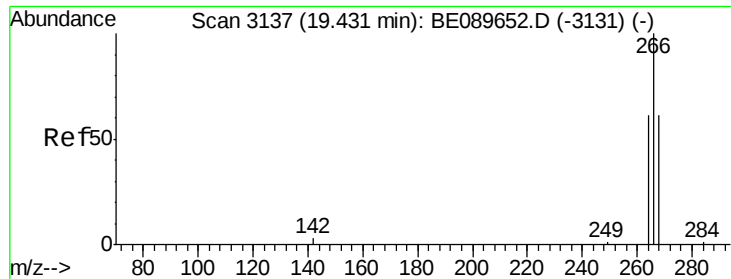
#14
Hexachlorobenzene
Concen: 1.19 ng
RT: 18.99 min Scan# 3088
Delta R.T. -0.00 min
Lab File: BE089664.D
Acq: 24 Feb 2015 6:36

Tgt Ion:284 Resp: 3824
Ion Ratio Lower Upper
284 100
142 66.8 55.0 82.6
249 32.7 26.1 39.1



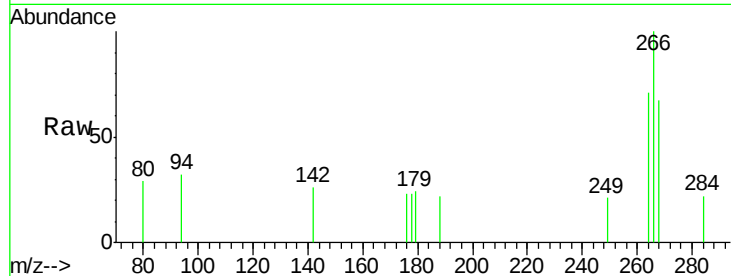
Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E



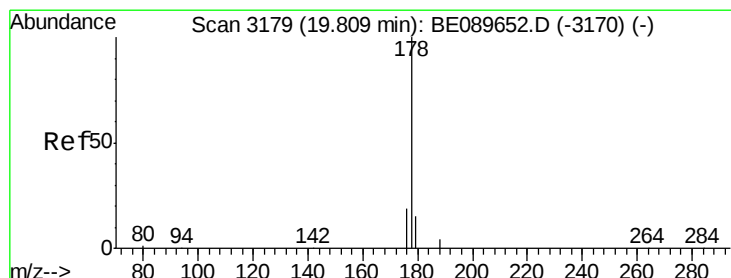
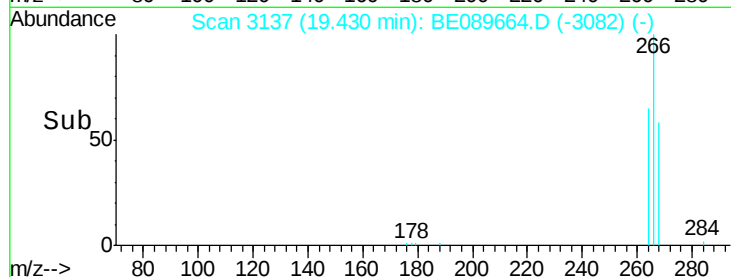
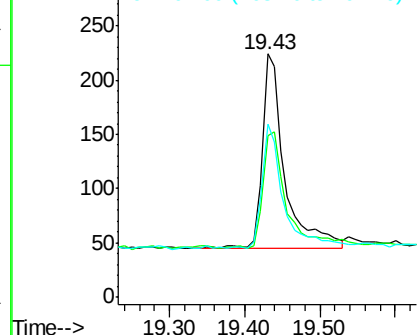


#15
 Pentachlorophenol
 Concen: 0.96 ng
 RT: 19.43 min Scan# 3137
 Delta R.T. 0.00 min
 Lab File: BE089664.D
 Acq: 24 Feb 2015 6:36

Tgt Ion: 266 Resp: 370
 Ion Ratio Lower Upper
 266 100
 268 66.5 54.7 82.1
 264 71.4 55.4 83.0

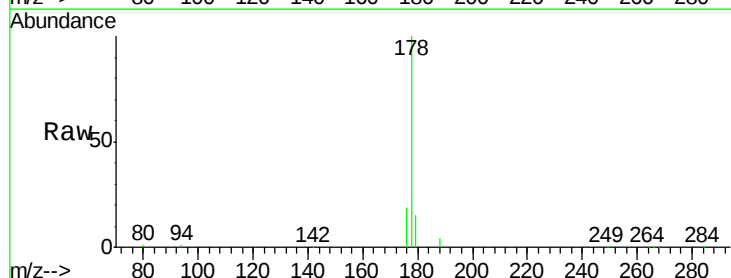


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

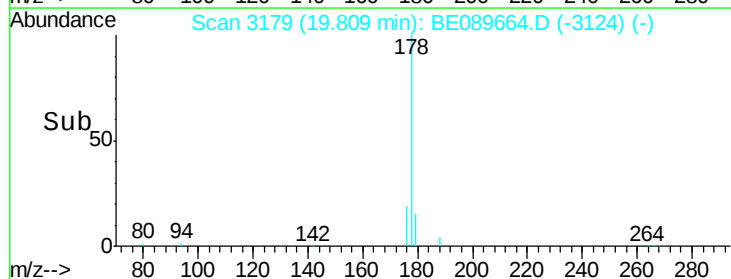
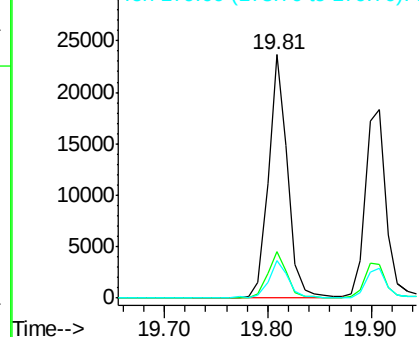


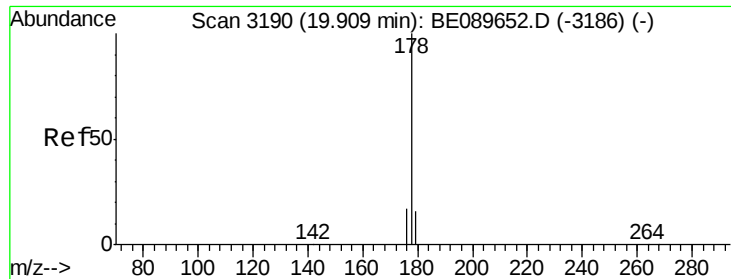
#16
 Phenanthrene
 Concen: 1.17 ng
 RT: 19.81 min Scan# 3179
 Delta R.T. -0.00 min
 Lab File: BE089664.D
 Acq: 24 Feb 2015 6:36

Tgt Ion: 178 Resp: 30297
 Ion Ratio Lower Upper
 178 100
 176 18.9 15.3 22.9
 179 15.5 12.3 18.5



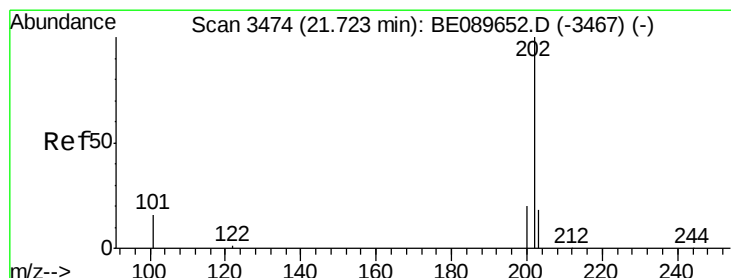
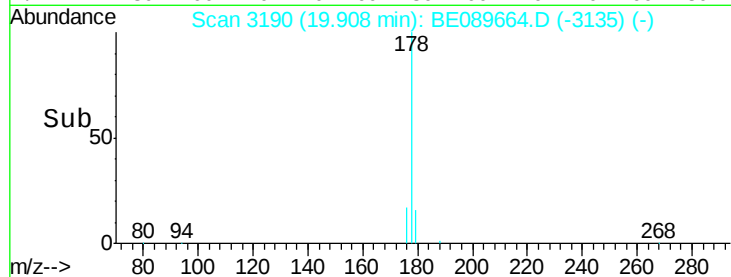
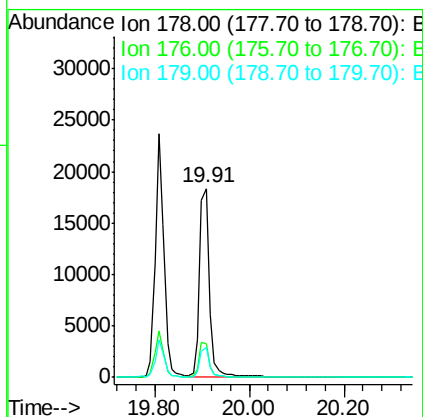
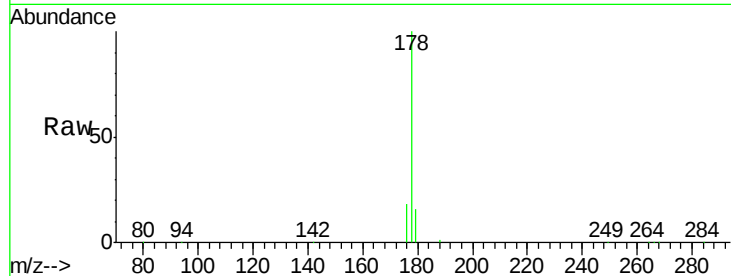
Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E





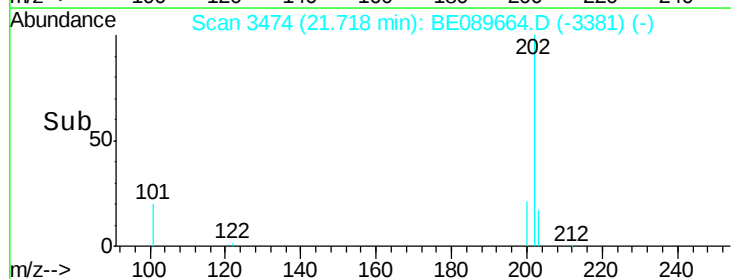
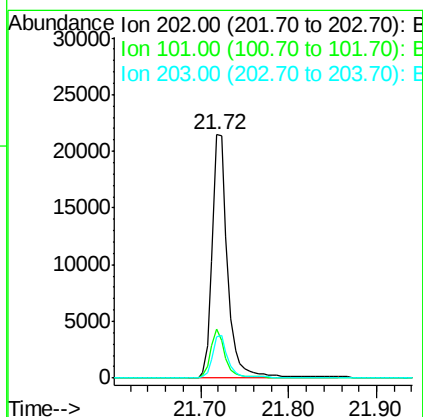
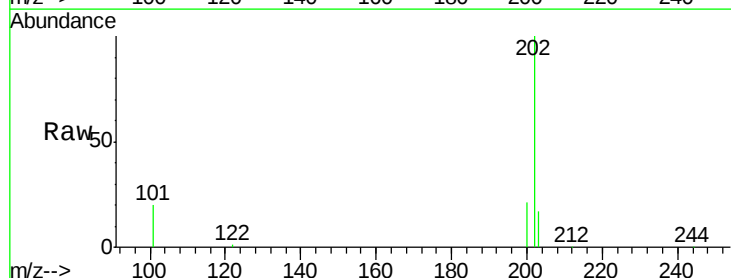
#17
 Anthracene
 Concen: 1.21 ng
 RT: 19.91 min Scan# 3190
 Delta R.T. -0.00 min
 Lab File: BE089664.D
 Acq: 24 Feb 2015 6:36

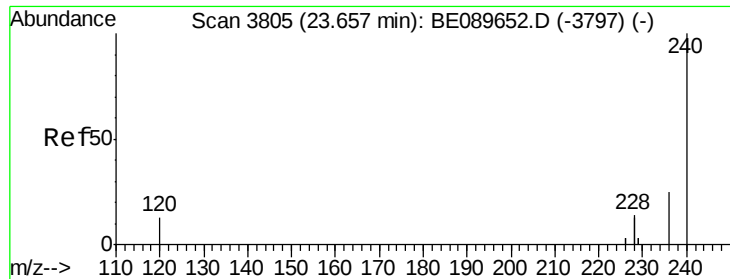
Tgt Ion:178 Resp: 26549
 Ion Ratio Lower Upper
 178 100
 176 18.1 14.3 21.5
 179 15.1 12.1 18.1



#18
 Fluoranthene
 Concen: 1.20 ng
 RT: 21.72 min Scan# 3474
 Delta R.T. -0.00 min
 Lab File: BE089664.D
 Acq: 24 Feb 2015 6:36

Tgt Ion:202 Resp: 26015
 Ion Ratio Lower Upper
 202 100
 101 18.4 14.9 22.3
 203 17.2 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: BE089664.D

Acq: 24 Feb 2015 6:36

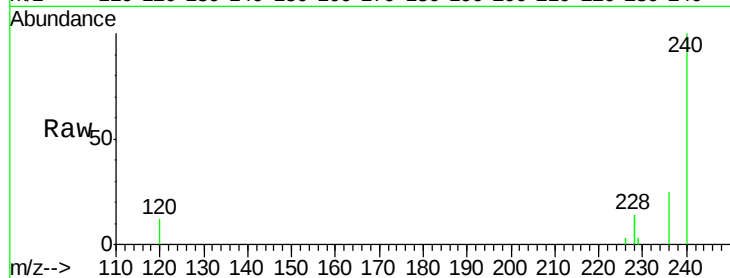
Tgt Ion: 240 Resp: 92612

Ion Ratio Lower Upper

240 100

120 12.1 10.6 15.8

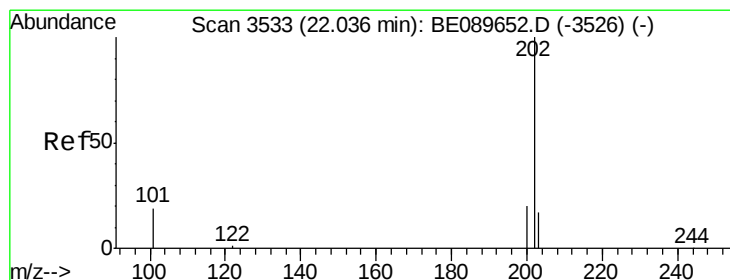
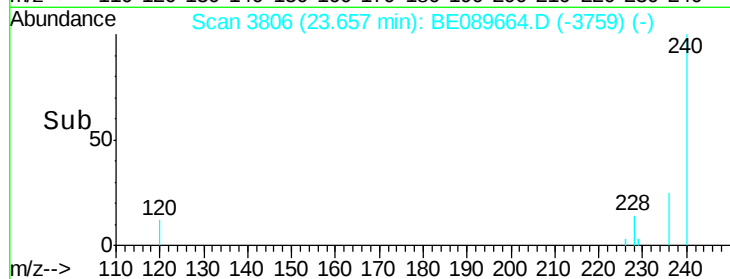
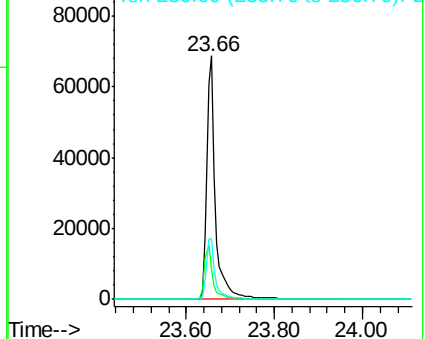
236 24.9 20.3 30.5



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#20

Pyrene

Concen: 1.22 ng

RT: 22.04 min Scan# 3534

Delta R.T. 0.00 min

Lab File: BE089664.D

Acq: 24 Feb 2015 6:36

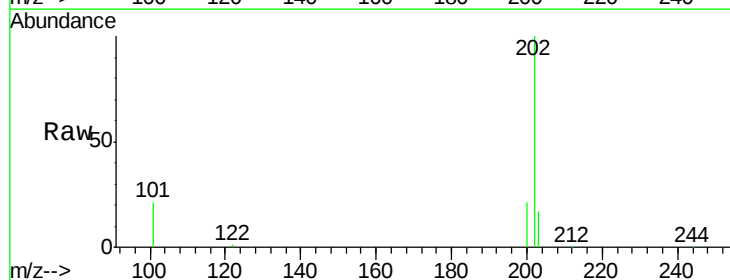
Tgt Ion: 202 Resp: 28340

Ion Ratio Lower Upper

202 100

200 20.5 16.5 24.7

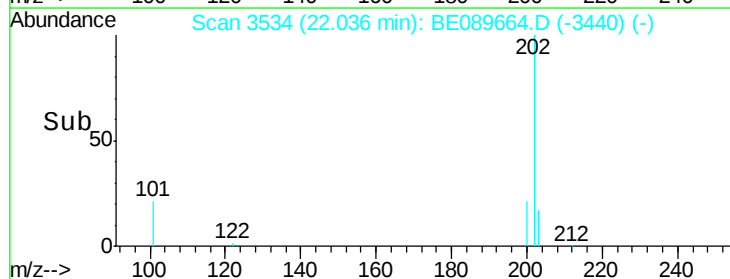
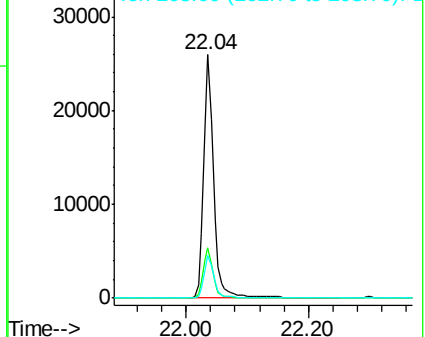
203 17.2 13.8 20.6

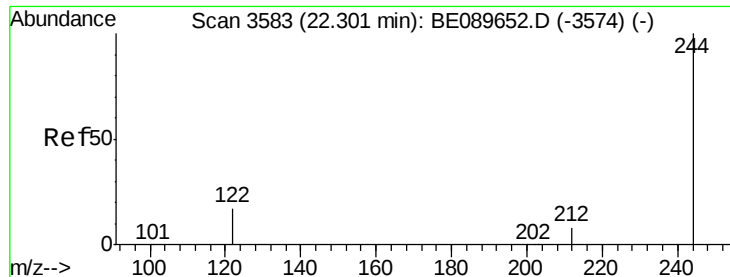


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

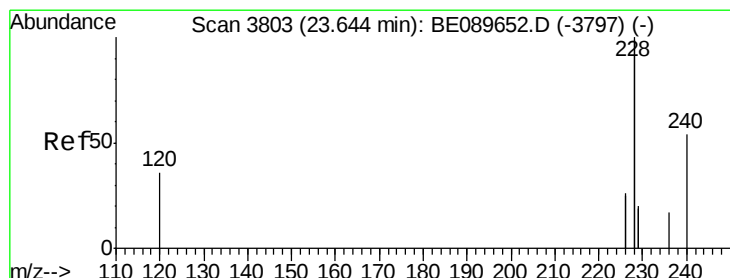
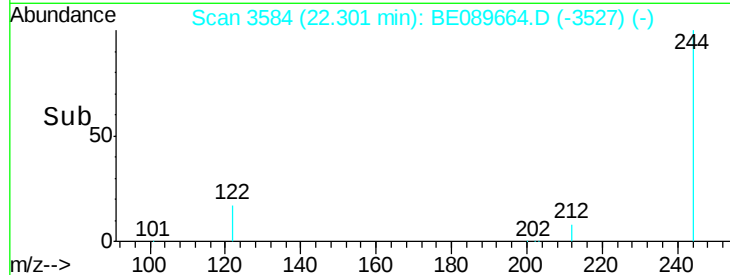
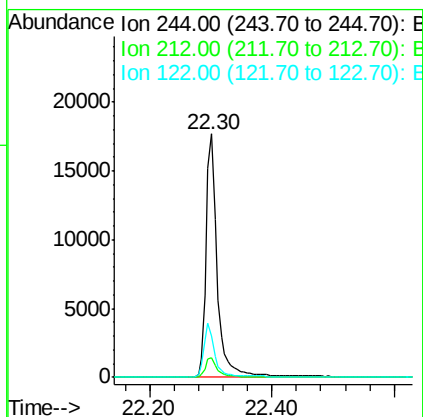
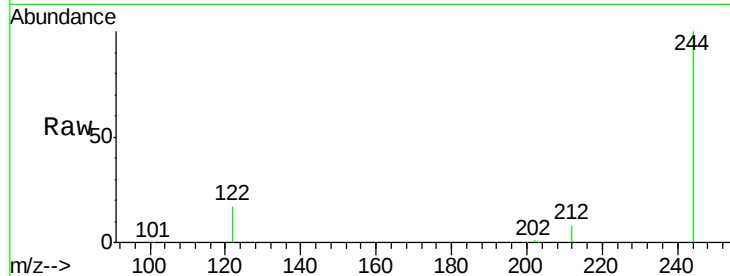
Ion 203.00 (202.70 to 203.70): E





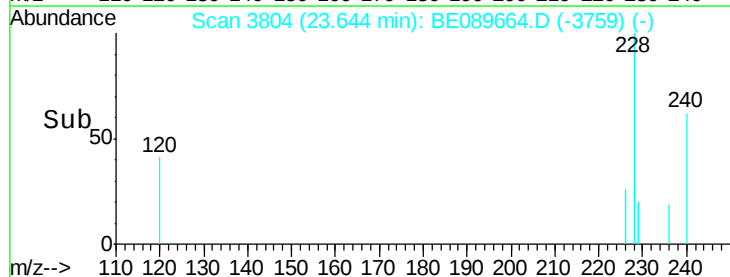
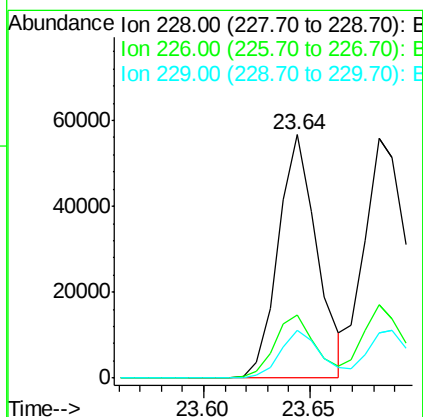
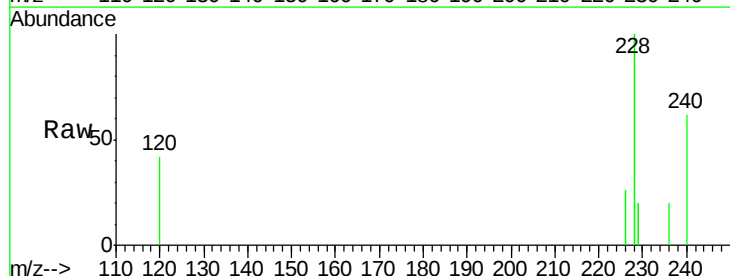
#21
 Terphenyl-d14
 Concen: 1.64 ng
 RT: 22.30 min Scan# 3584
 Delta R.T. 0.00 min
 Lab File: BE089664.D
 Acq: 24 Feb 2015 6:36

Tgt Ion: 244 Resp: 21668
 Ion Ratio Lower Upper
 244 100
 212 8.1 6.6 10.0
 122 16.9 13.7 20.5



#22
 Benzo(a)anthracene
 Concen: 1.10 ng
 RT: 23.64 min Scan# 3804
 Delta R.T. -0.00 min
 Lab File: BE089664.D
 Acq: 24 Feb 2015 6:36

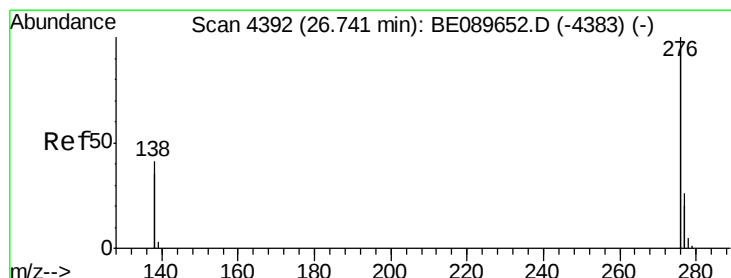
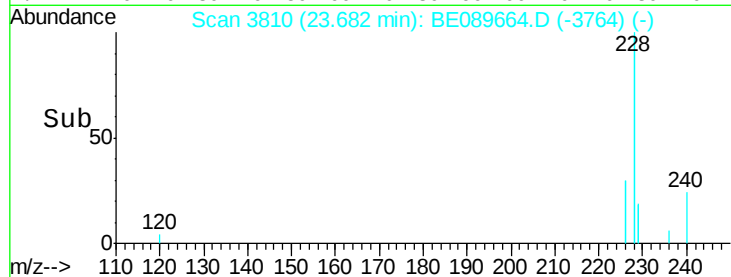
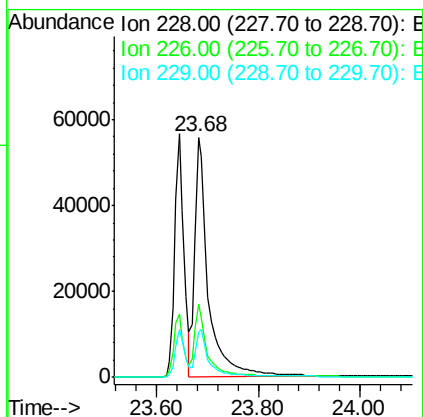
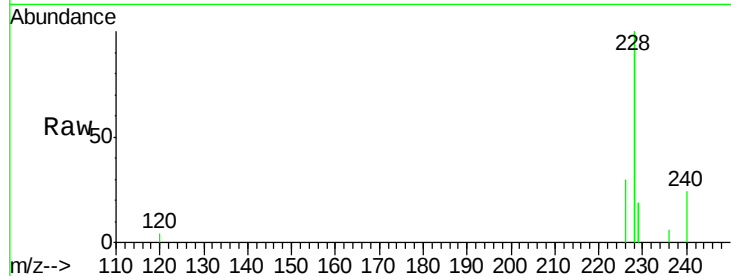
Tgt Ion: 228 Resp: 71105
 Ion Ratio Lower Upper
 228 100
 226 26.0 20.9 31.3
 229 19.7 15.8 23.6





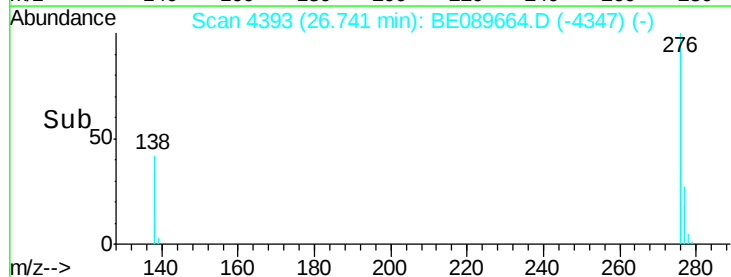
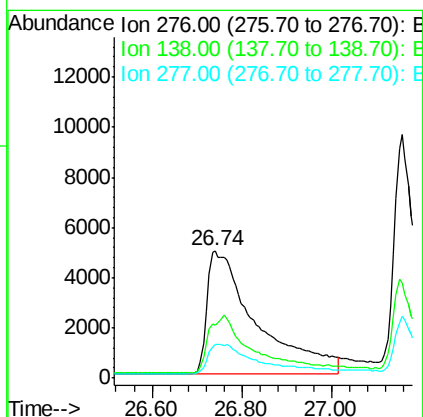
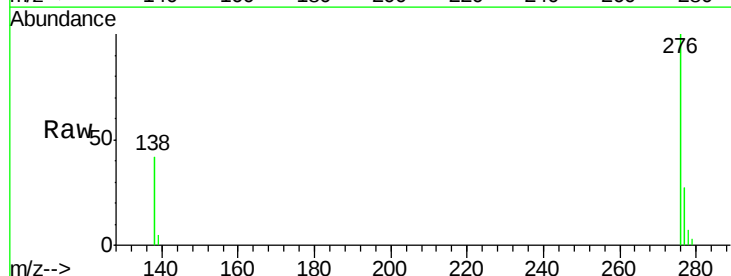
#23
Chrysene
Concen: 1.17 ng
RT: 23.68 min Scan# 3810
Delta R.T. -0.01 min
Lab File: BE089664.D
Acq: 24 Feb 2015 6:36

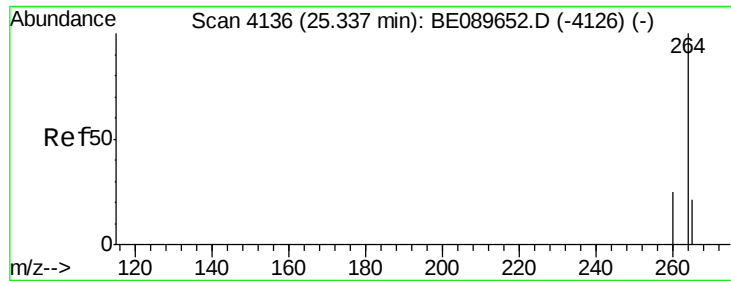
Tgt Ion: 228 Resp: 102346
Ion Ratio Lower Upper
228 100
226 30.3 22.0 33.0
229 18.6 16.6 24.8



#24
Indeno(1,2,3-cd)pyrene
Concen: 0.93 ng
RT: 26.74 min Scan# 4393
Delta R.T. 0.00 min
Lab File: BE089664.D
Acq: 24 Feb 2015 6:36

Tgt Ion: 276 Resp: 37350
Ion Ratio Lower Upper
276 100
138 43.6 36.2 54.4
277 25.0 5.4 8.2#

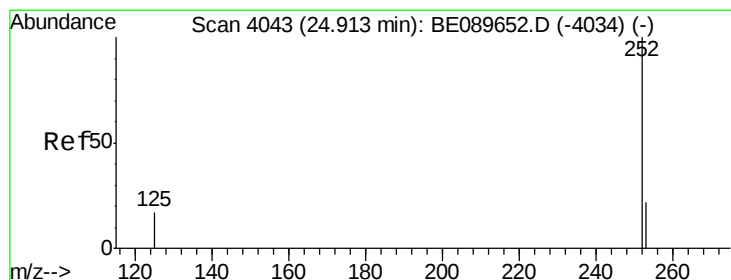
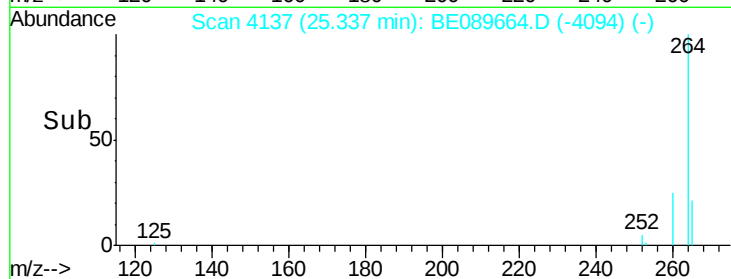
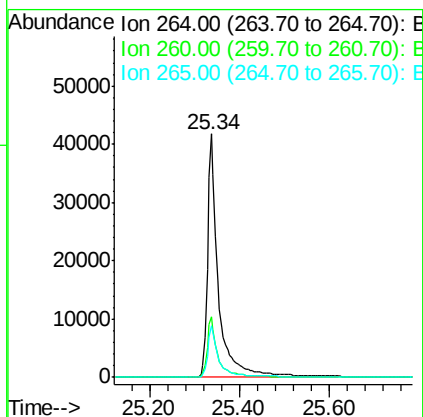
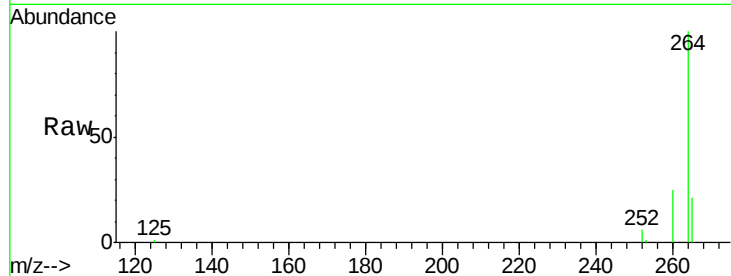




#25
Perylene-d12
Concen: 5.00 ng
RT: 25.34 min Scan# 4137
Delta R.T. 0.00 min
Lab File: BE089664.D
Acq: 24 Feb 2015 6:36

Tgt Ion: 264 Resp: 70313

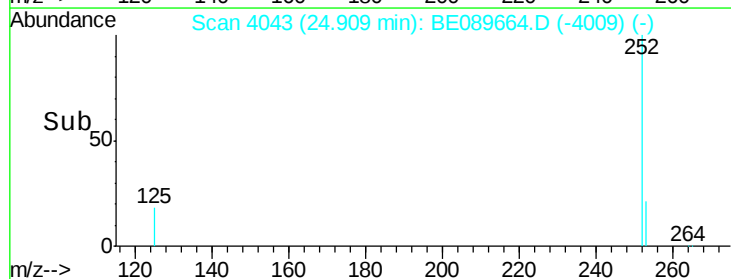
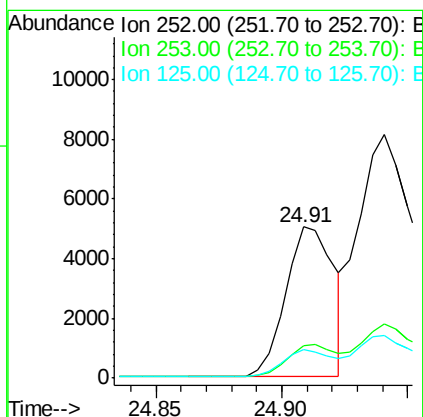
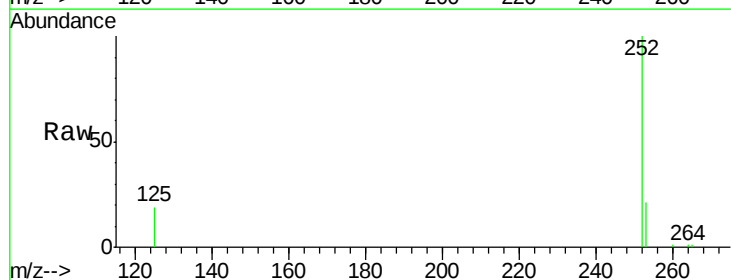
Ion	Ratio	Lower	Upper
264	100		
260	24.7	20.0	30.0
265	21.4	16.8	25.2

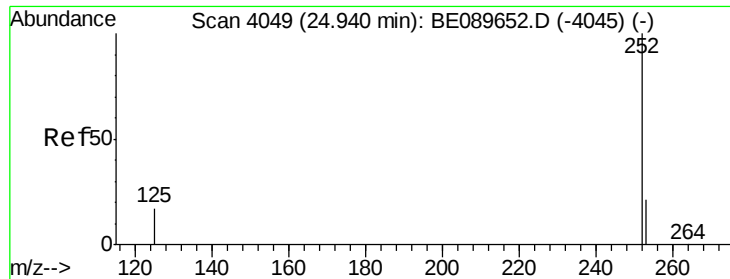


#26
Benzo(b)fluoranthene
Concen: 0.87 ng
RT: 24.91 min Scan# 4043
Delta R.T. -0.00 min
Lab File: BE089664.D
Acq: 24 Feb 2015 6:36

Tgt Ion: 252 Resp: 6632

Ion	Ratio	Lower	Upper
252	100		
253	21.5	18.3	27.5
125	18.8	14.6	22.0





#27

Benzo(k)fluoranthene

Concen: 1.16 ng

RT: 24.94 min Scan# 4050

Delta R.T. 0.00 min

Lab File: BE089664.D

Acq: 24 Feb 2015 6:36

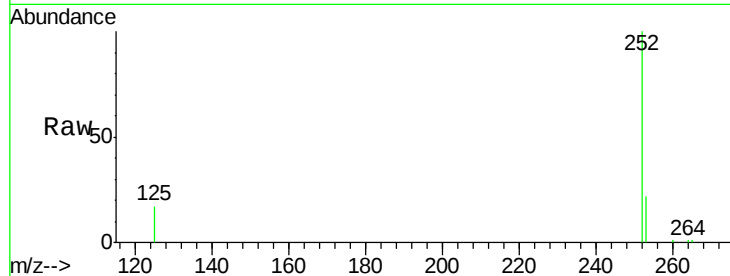
Tgt Ion: 252 Resp: 22236

Ion Ratio Lower Upper

252 100

253 22.2 17.8 26.8

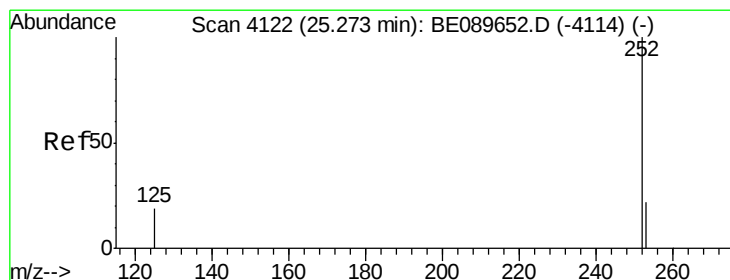
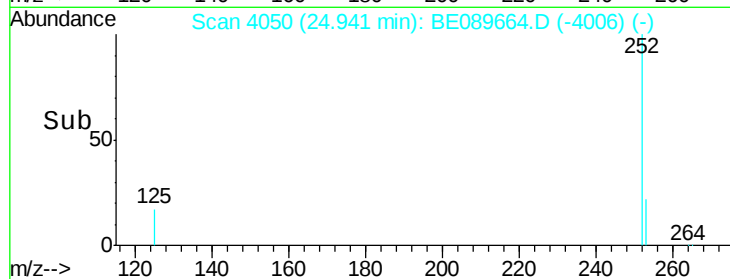
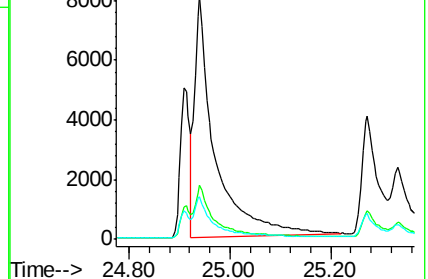
125 17.5 14.3 21.5



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: 0.93 ng

RT: 25.27 min Scan# 4123

Delta R.T. 0.00 min

Lab File: BE089664.D

Acq: 24 Feb 2015 6:36

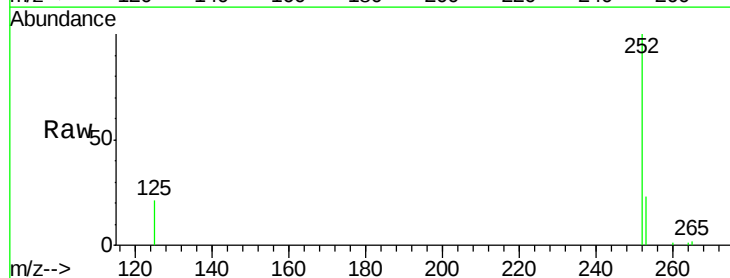
Tgt Ion: 252 Resp: 8143

Ion Ratio Lower Upper

252 100

253 23.0 18.4 27.6

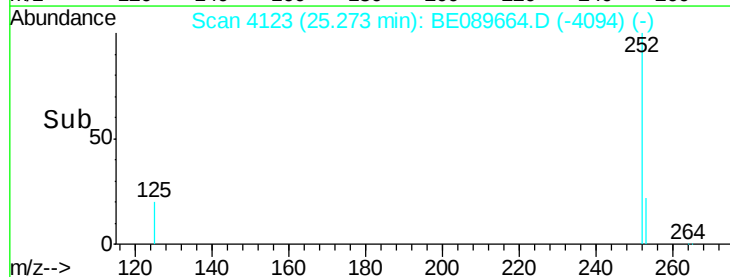
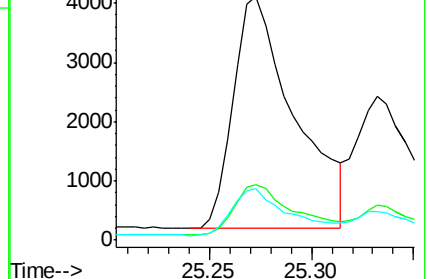
125 21.0 15.9 23.9

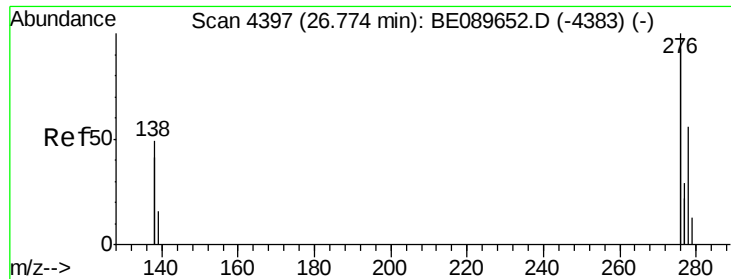


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

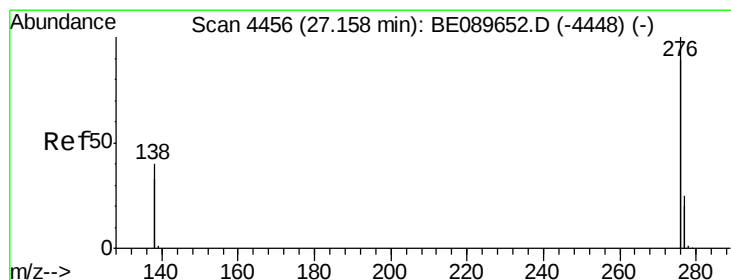
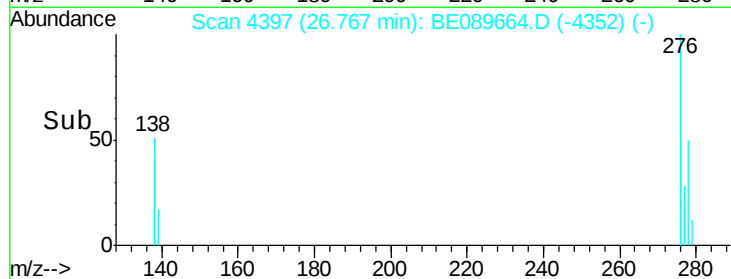
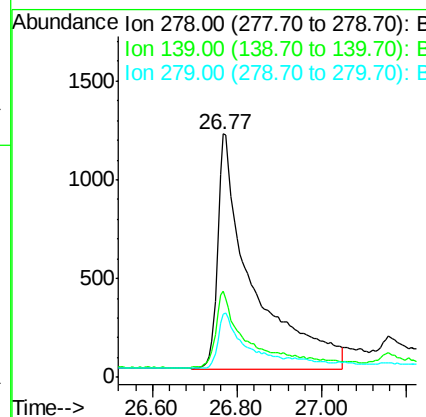
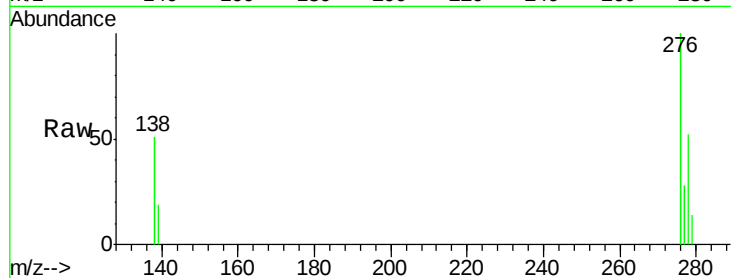




#29
Dibenzo(a,h)anthracene
Concen: 0.93 ng
RT: 26.77 min Scan# 4397
Delta R.T. -0.01 min
Lab File: BE089664.D
Acq: 24 Feb 2015 6:36

Tgt Ion: 278 Resp: 6794

Ion	Ratio	Lower	Upper
278	100		
139	35.6	25.4	38.2
279	26.1	20.0	30.0



#30
Benzo(g,h,i)perylene
Concen: 1.03 ng
RT: 27.16 min Scan# 4457
Delta R.T. 0.00 min
Lab File: BE089664.D
Acq: 24 Feb 2015 6:36

Tgt Ion: 276 Resp: 41926

Ion	Ratio	Lower	Upper
276	100		
277	25.5	20.2	30.2
138	39.3	32.4	48.6

