

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE022315\
 Data File : BE089649.D
 Acq On : 23 Feb 2015 20:15
 Operator : TP/JJ
 Sample : SSTDICC0.2
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 24 03:17:01 2015

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

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.34	152	37956	5.00	ng	0.00
4) Naphthalene-d8	12.24	136	161362	5.00	ng	0.00
8) Acenaphthene-d10	16.42	164	68401	5.00	ng	0.00
13) Phenanthrene-d10	19.77	188	125274	5.00	ng	0.00
19) Chrysene-d12	23.66	240	94850	5.00	ng	0.00
25) Perylene-d12	25.34	264	74241	5.00	ng	0.00

System Monitoring Compounds

5) Nitrobenzene-d5	10.61	82	2732	0.37	ng	0.00
9) 2-Fluorobiphenyl	14.88	172	6078	0.34	ng	0.00
21) Terphenyl-d14	22.30	244	2293	0.15	ng	0.00

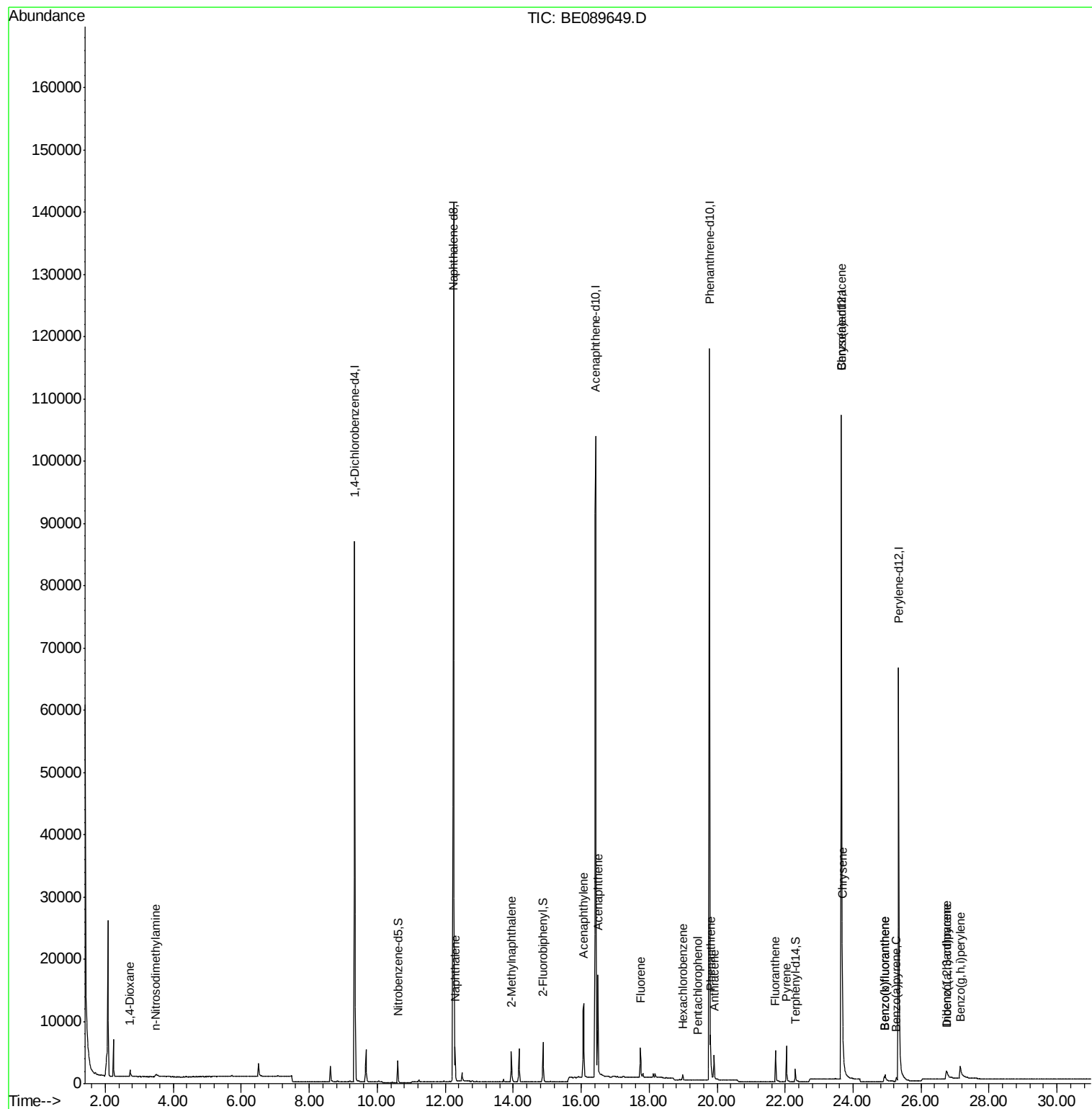
Target Compounds

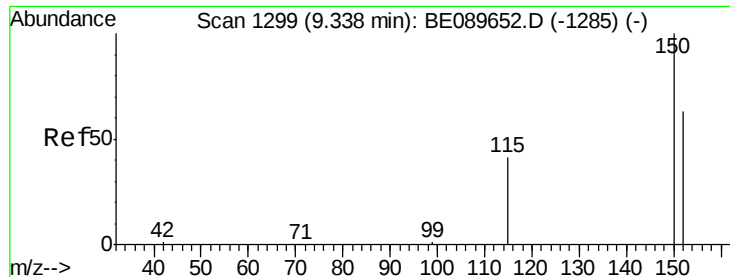
						Qvalue
2) 1,4-Dioxane	2.72	88	926	0.15	ng	98
3) n-Nitrosodimethylamine	3.47	42	697	0.10	ng	# 1
6) Naphthalene	12.29	128	6676	0.18	ng	97
7) 2-Methylnaphthalene	13.95	142	3454	0.17	ng	98
10) Acenaphthylene	16.07	152	17992	0.16	ng	100
11) Acenaphthene	16.49	154	3242	0.18	ng	95
12) Fluorene	17.74	166	3398	0.18	ng	100
14) Hexachlorobenzene	19.00	284	657	0.17	ng	90
15) Pentachlorophenol	19.44	266	59	0.06	ng	# 83
16) Phenanthrene	19.81	178	5530	0.18	ng	98
17) Anthracene	19.91	178	4027	0.16	ng	99
18) Fluoranthene	21.72	202	4174	0.18	ng	98
20) Pyrene	22.03	202	4523	0.15	ng	100
22) Benzo(a)anthracene	23.64	228	11179	0.16	ng	98
23) Chrysene	23.68	228	18407	0.18	ng	95
24) Indeno(1,2,3-cd)pyrene	26.74	276	3320	0.09	ng	# 89
26) Benzo(b)fluoranthene	24.94	252	2016	0.28	ng	93
27) Benzo(k)fluoranthene	24.94	252	2016	0.11	ng	# 92
28) Benzo(a)pyrene	25.27	252	968	0.12	ng	# 84
29) Dibenzo(a,h)anthracene	26.77	278	559	0.08	ng	# 68
30) Benzo(g,h,i)perylene	27.15	276	5479	0.13	ng	# 85

(#) = 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: BE089649.D

Acq: 23 Feb 2015 20:15

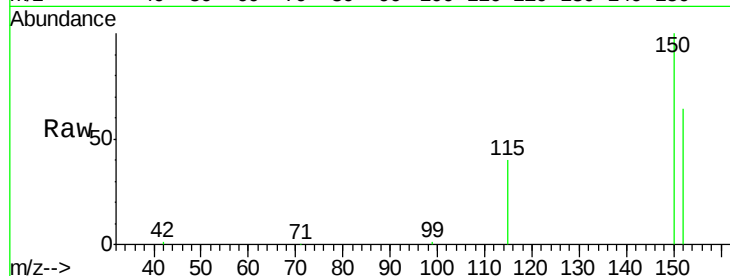
Tgt Ion: 152 Resp: 37956

Ion Ratio Lower Upper

152 100

150 156.8 127.0 190.6

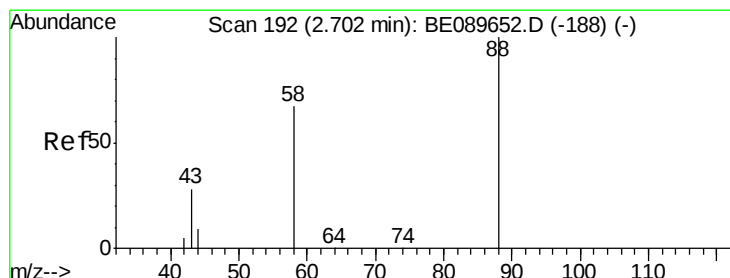
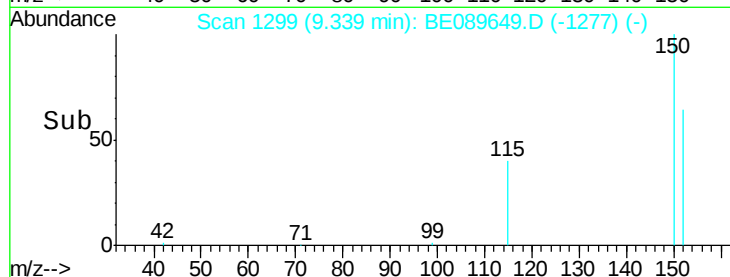
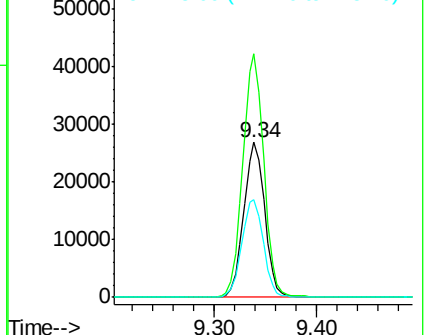
115 63.2 52.4 78.6



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: 0.15 ng

RT: 2.72 min Scan# 195

Delta R.T. 0.02 min

Lab File: BE089649.D

Acq: 23 Feb 2015 20:15

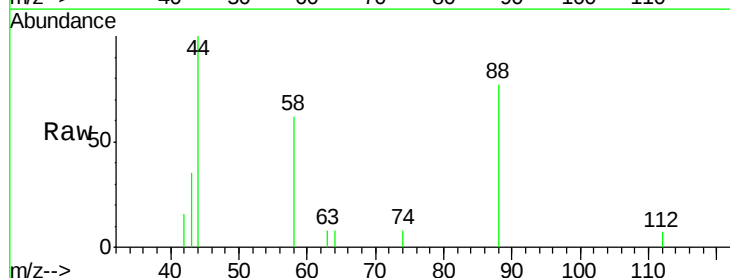
Tgt Ion: 88 Resp: 926

Ion Ratio Lower Upper

88 100

58 76.0 61.8 92.6

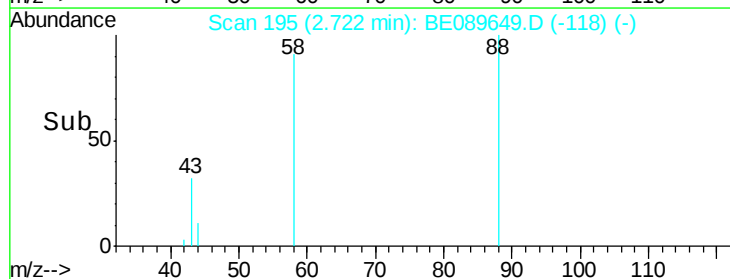
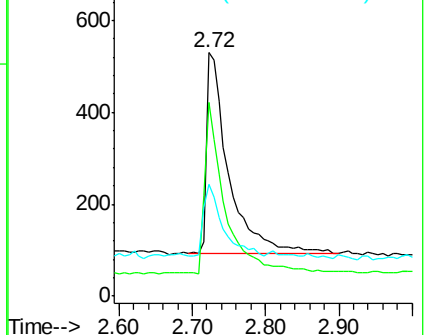
43 30.9 26.4 39.6

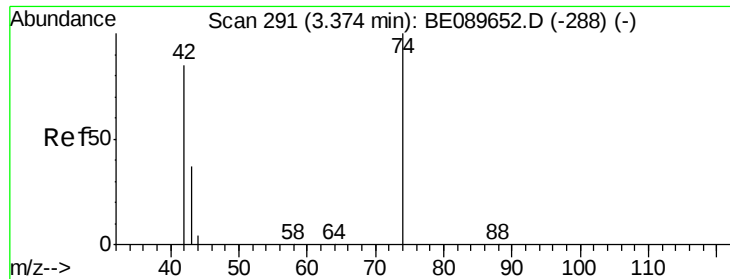


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0

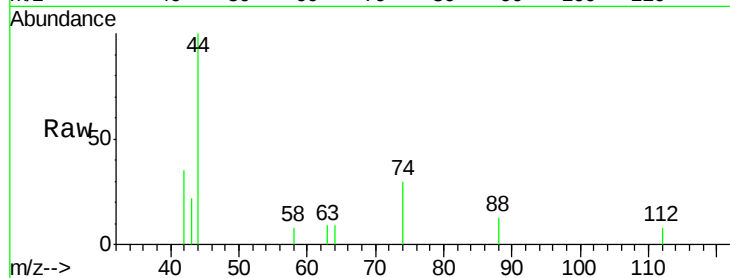




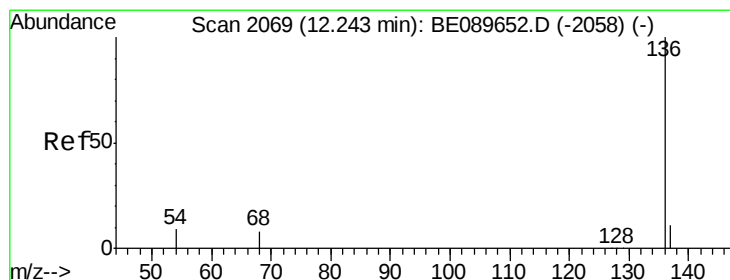
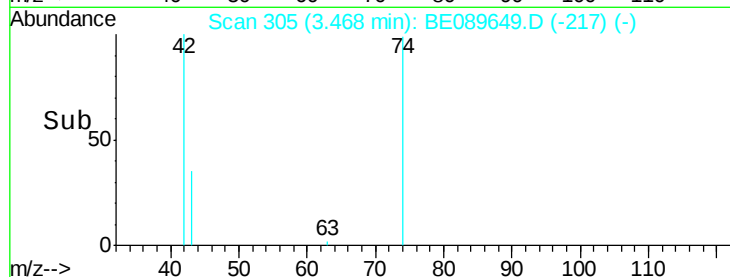
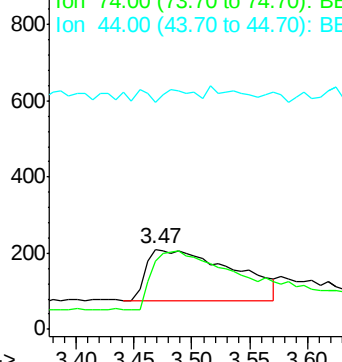
#3

n-Nitrosodimethylamine
Concen: 0.10 ng
RT: 3.47 min Scan# 305
Delta R.T. 0.09 min
Lab File: BE089649.D
Acq: 23 Feb 2015 20:15

Tgt Ion: 42 Resp: 697
Ion Ratio Lower Upper
42 100
74 0.0 92.5 138.7#
44 4.9 4.9 7.3#



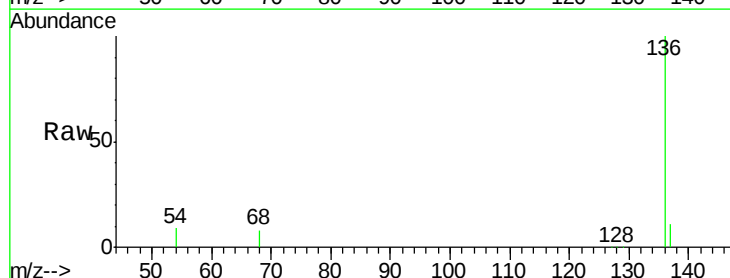
Abundance Ion 42.00 (41.70 to 42.70): BE0
Ion 74.00 (73.70 to 74.70): BE0
Ion 44.00 (43.70 to 44.70): BE0



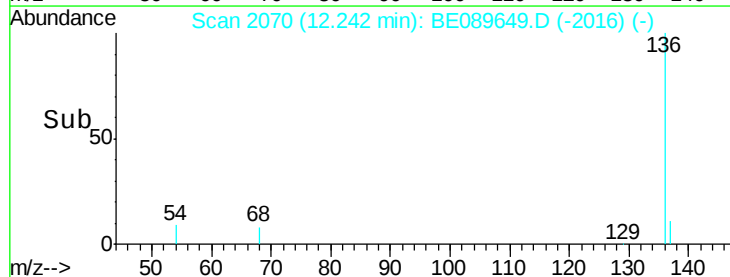
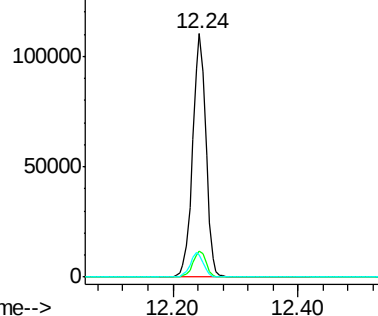
#4

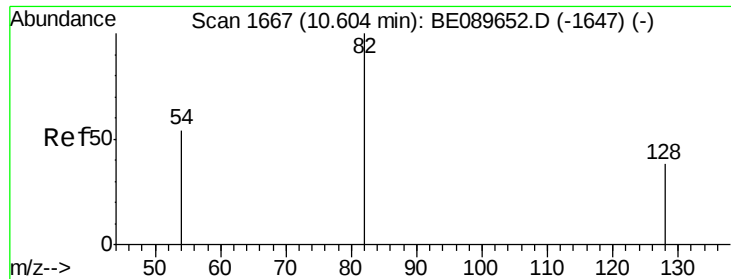
Naphthalene-d8
Concen: 5.00 ng
RT: 12.24 min Scan# 2070
Delta R.T. -0.00 min
Lab File: BE089649.D
Acq: 23 Feb 2015 20:15

Tgt Ion: 136 Resp: 161362
Ion Ratio Lower Upper
136 100
137 10.9 8.7 13.1
54 9.3 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: 0.37 ng

RT: 10.61 min Scan# 1669

Delta R.T. 0.00 min

Lab File: BE089649.D

Acq: 23 Feb 2015 20:15

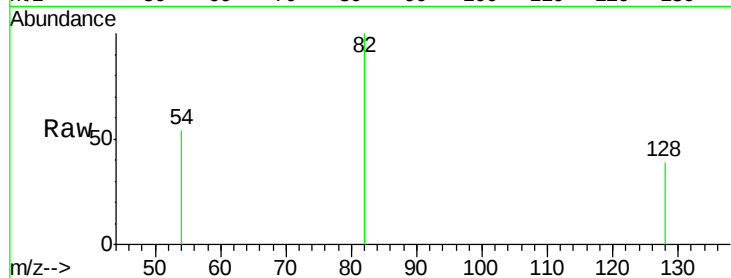
Tgt Ion: 82 Resp: 2732

Ion Ratio Lower Upper

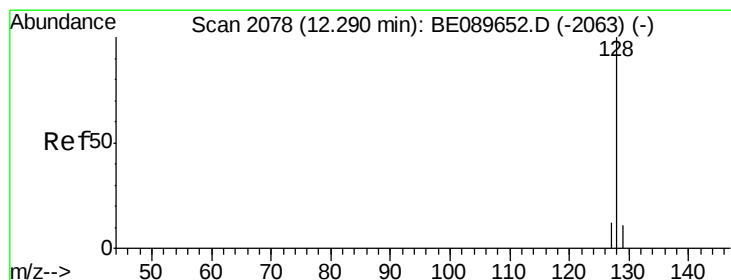
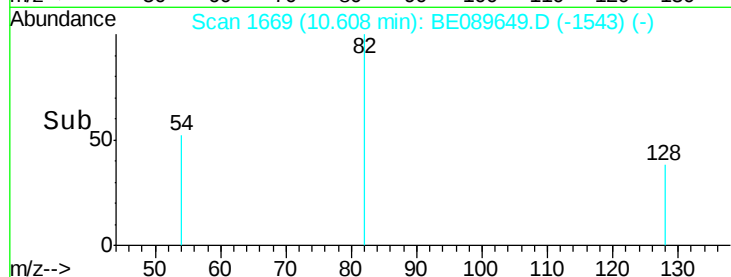
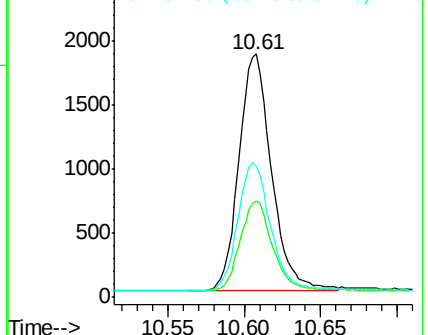
82 100

128 39.4 31.0 46.4

54 53.6 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: 0.18 ng

RT: 12.29 min Scan# 2079

Delta R.T. -0.00 min

Lab File: BE089649.D

Acq: 23 Feb 2015 20:15

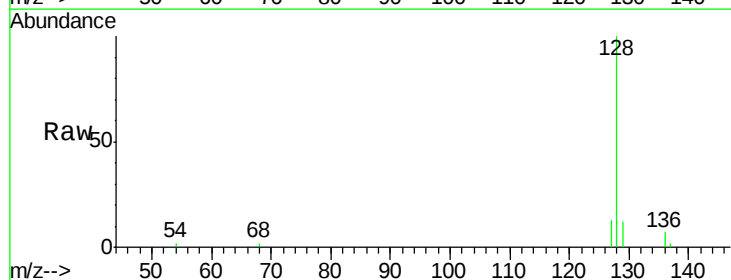
Tgt Ion: 128 Resp: 6676

Ion Ratio Lower Upper

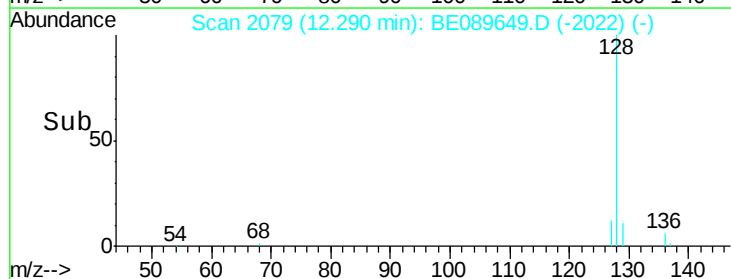
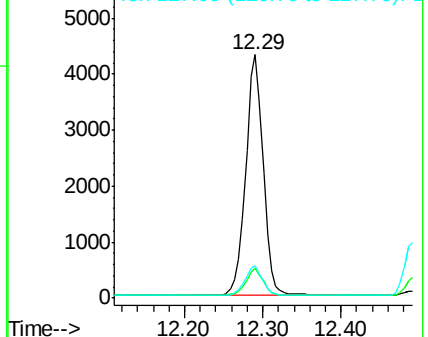
128 100

129 12.0 8.8 13.2

127 13.3 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: 0.17 ng

RT: 13.95 min Scan# 2418

Delta R.T. 0.00 min

Lab File: BE089649.D

Acq: 23 Feb 2015 20:15

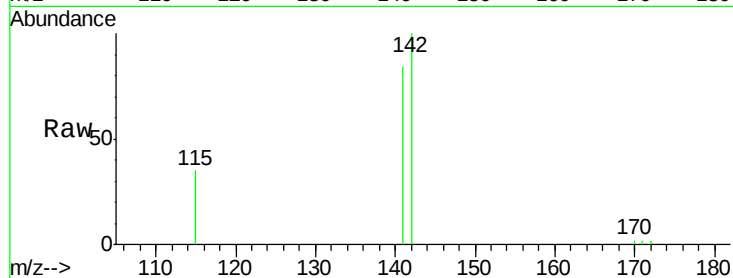
Tgt Ion:142 Resp: 3454

Ion Ratio Lower Upper

142 100

141 84.1 68.6 103.0

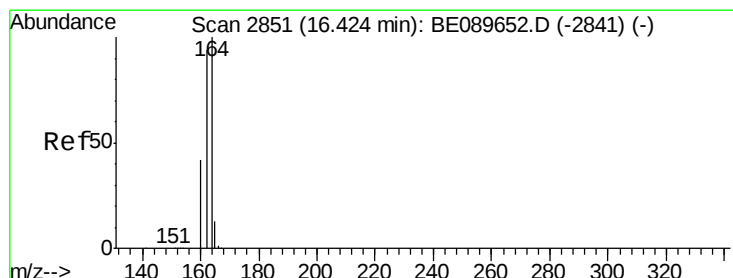
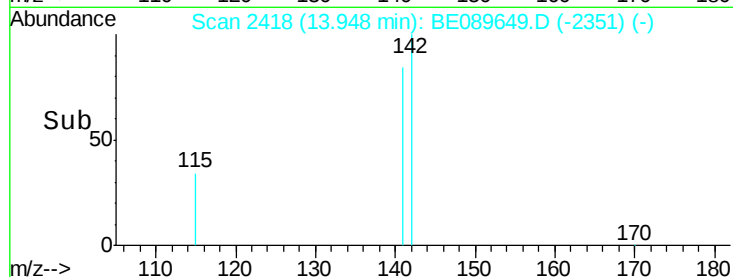
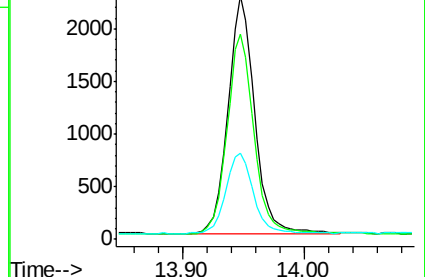
115 35.4 29.0 43.6



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# 2853

Delta R.T. -0.00 min

Lab File: BE089649.D

Acq: 23 Feb 2015 20:15

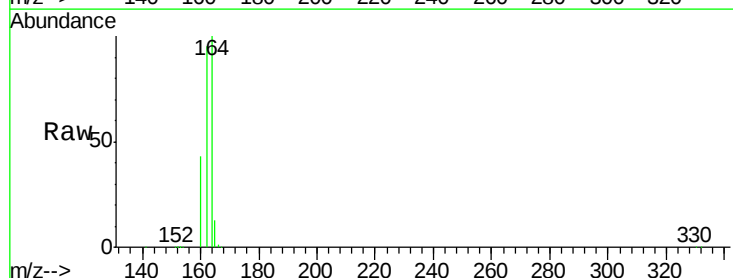
Tgt Ion:164 Resp: 68401

Ion Ratio Lower Upper

164 100

162 94.8 75.4 113.2

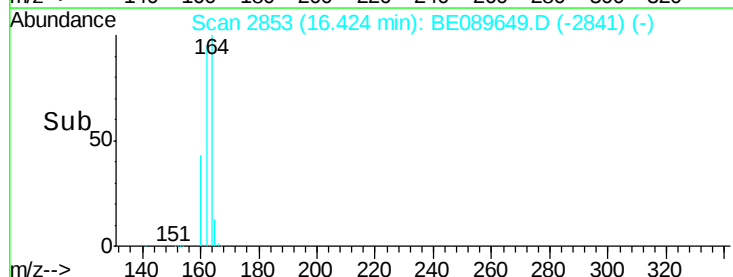
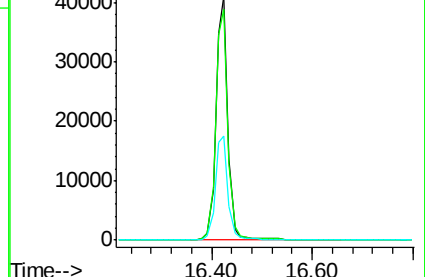
160 43.0 33.7 50.5



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: 0.34 ng

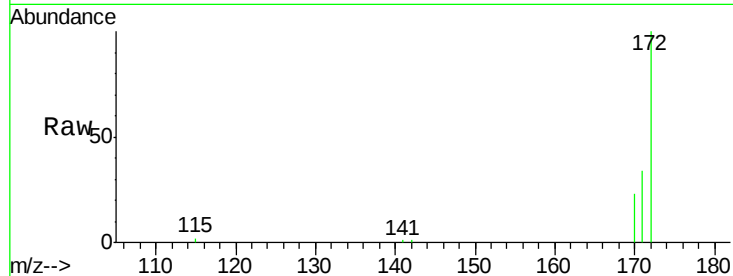
RT: 14.88 min Scan# 2622

Delta R.T. -0.00 min

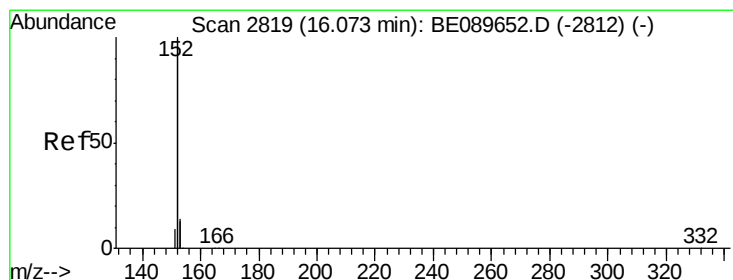
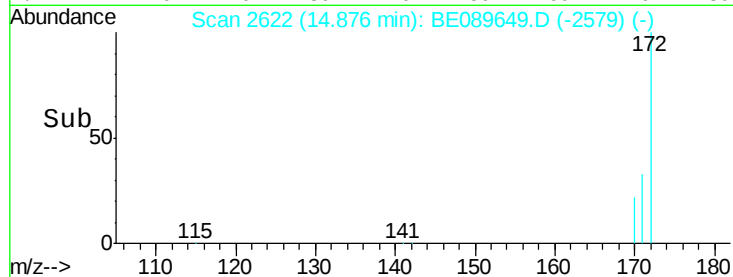
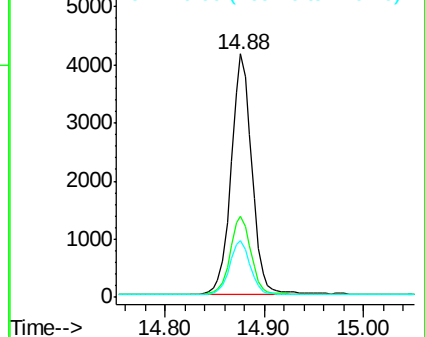
Lab File: BE089649.D

Acq: 23 Feb 2015 20:15

Tgt Ion:	172	Resp:	6078
Ion	Ratio	Lower	Upper
172	100		
171	33.5	26.2	39.4
170	23.1	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: 0.16 ng

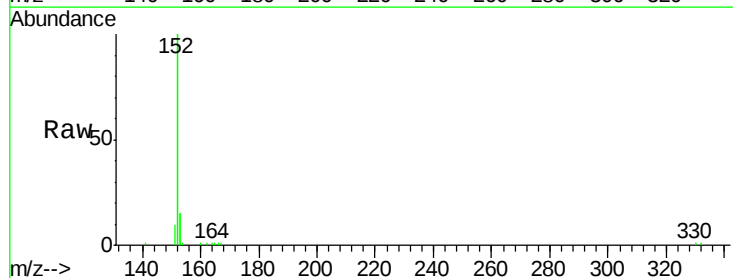
RT: 16.07 min Scan# 2821

Delta R.T. -0.00 min

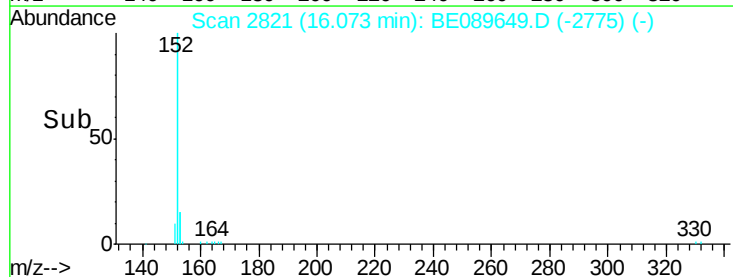
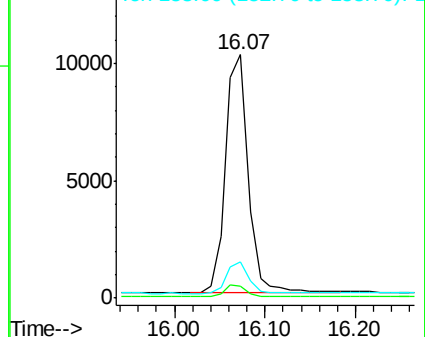
Lab File: BE089649.D

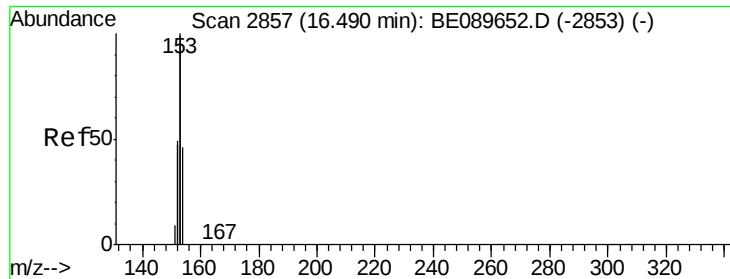
Acq: 23 Feb 2015 20:15

Tgt Ion:	152	Resp:	17992
Ion	Ratio	Lower	Upper
152	100		
151	4.8	3.8	5.6
153	12.9	10.4	15.6



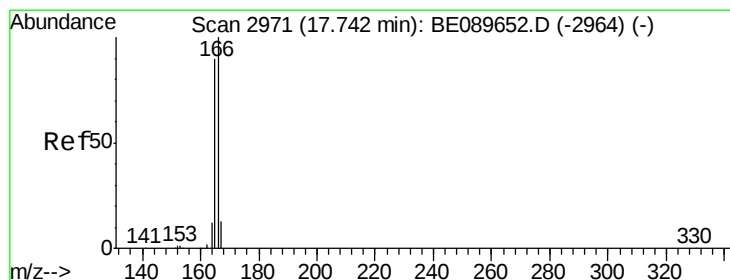
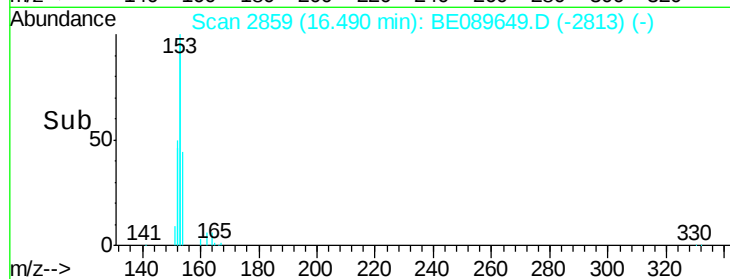
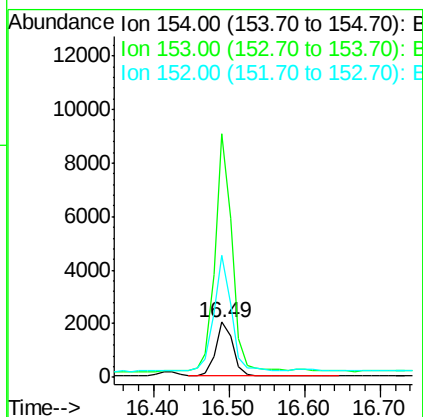
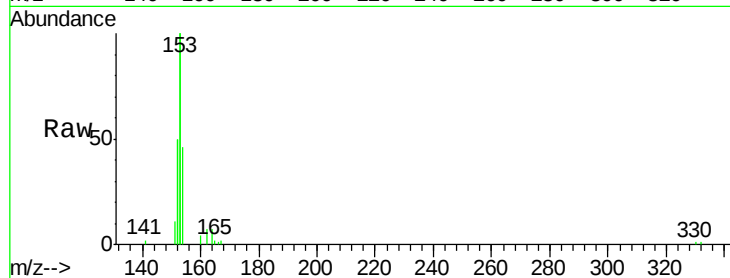
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





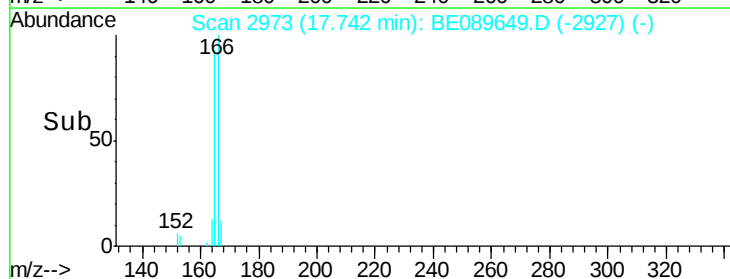
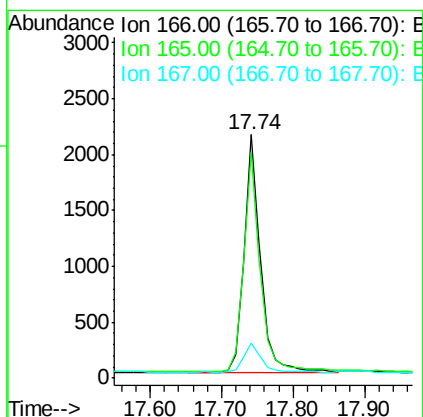
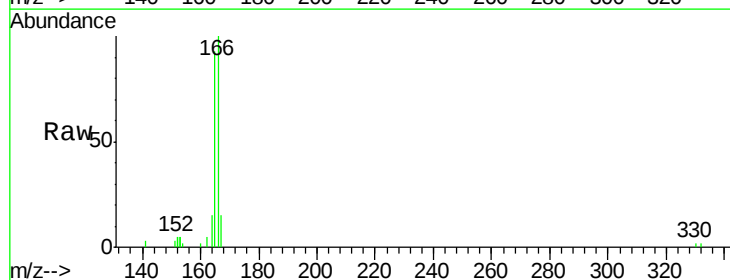
#11
Acenaphthene
Concen: 0.18 ng
RT: 16.49 min Scan# 2859
Delta R.T. -0.00 min
Lab File: BE089649.D
Acq: 23 Feb 2015 20:15

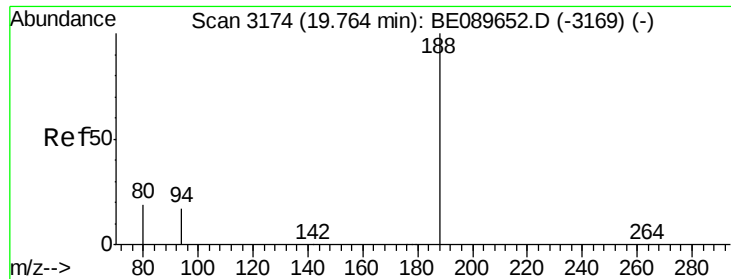
Tgt Ion:154 Resp: 3242
Ion Ratio Lower Upper
154 100
153 437.7 343.0 514.4
152 218.4 165.8 248.8



#12
Fluorene
Concen: 0.18 ng
RT: 17.74 min Scan# 2973
Delta R.T. -0.00 min
Lab File: BE089649.D
Acq: 23 Feb 2015 20:15

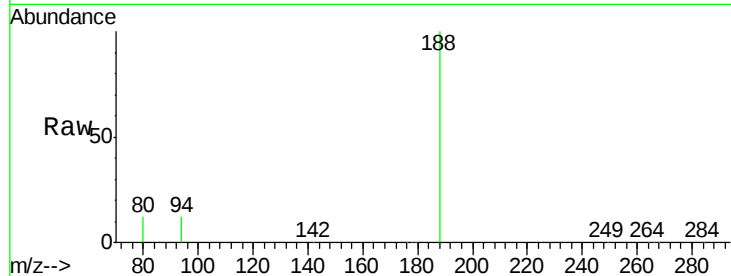
Tgt Ion:166 Resp: 3398
Ion Ratio Lower Upper
166 100
165 92.2 73.6 110.4
167 13.2 10.5 15.7



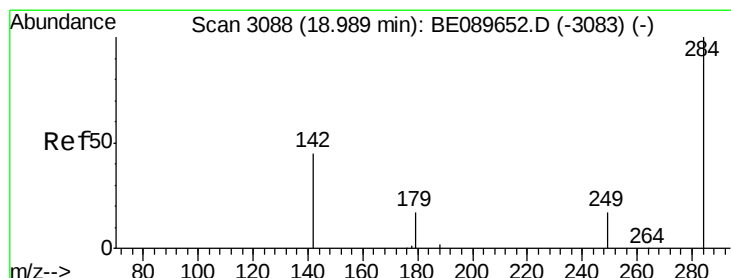
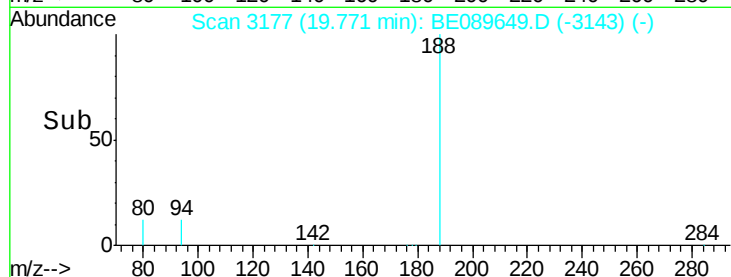
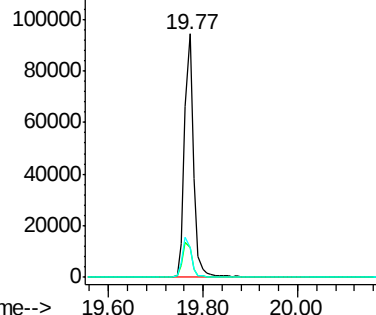


#13
Phenanthrene-d10
Concen: 5.00 ng
RT: 19.77 min Scan# 3177
Delta R.T. 0.01 min
Lab File: BE089649.D
Acq: 23 Feb 2015 20:15

Tgt Ion:188 Resp: 125274
Ion Ratio Lower Upper
188 100
94 12.1 13.8 20.8#
80 12.3 15.0 22.6#

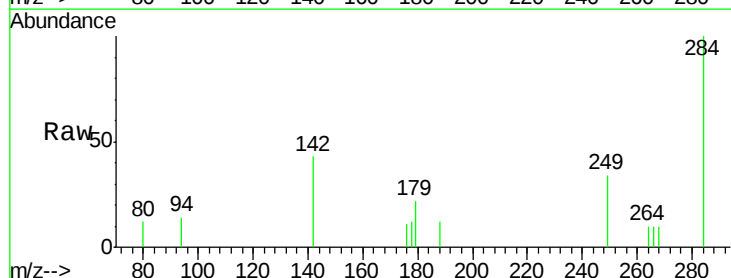


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BE0
Ion 80.00 (79.70 to 80.70): BE0

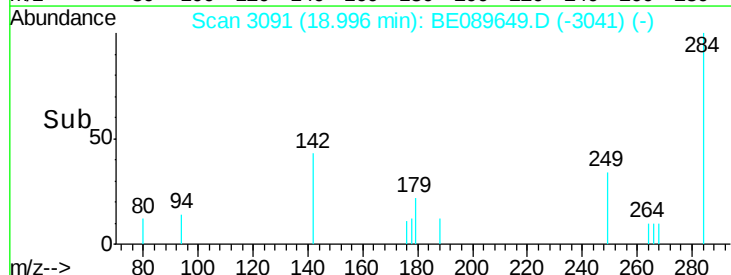
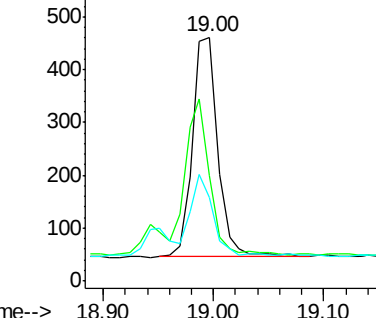


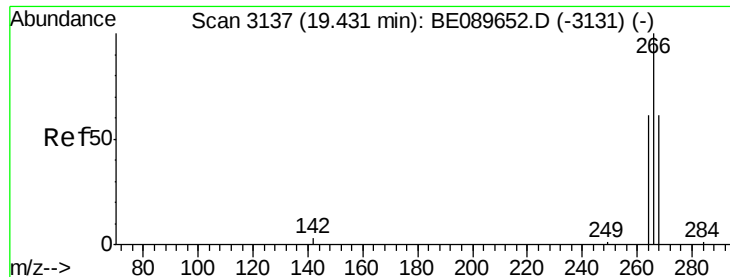
#14
Hexachlorobenzene
Concen: 0.17 ng
RT: 19.00 min Scan# 3091
Delta R.T. 0.01 min
Lab File: BE089649.D
Acq: 23 Feb 2015 20:15

Tgt Ion:284 Resp: 657
Ion Ratio Lower Upper
284 100
142 80.8 55.0 82.6
249 32.3 26.1 39.1



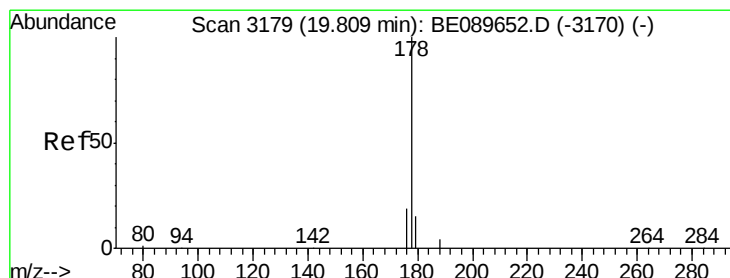
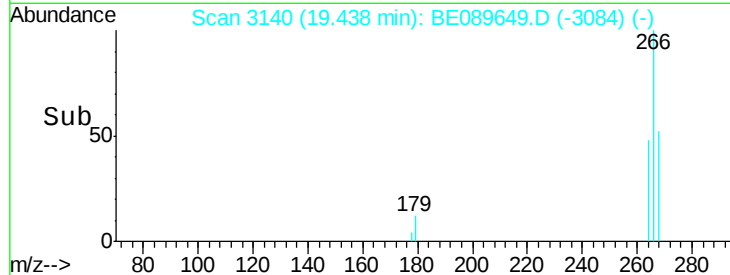
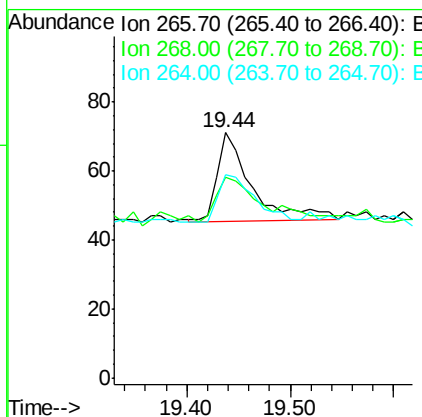
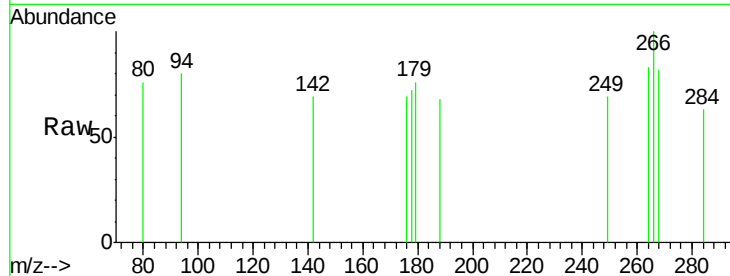
Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E





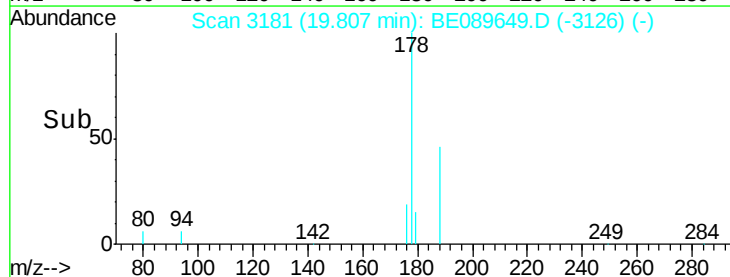
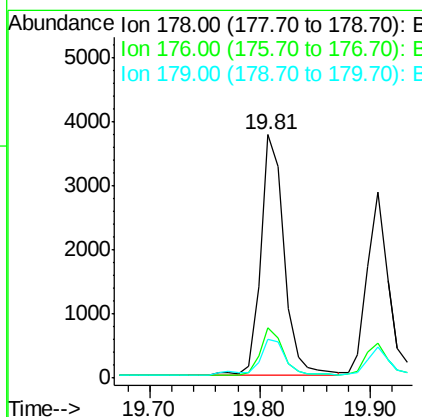
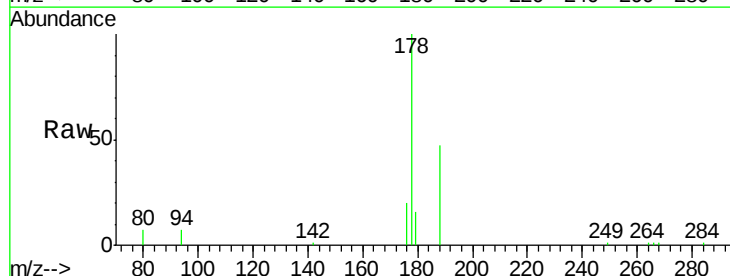
#15
 Pentachlorophenol
 Concen: 0.06 ng
 RT: 19.44 min Scan# 3140
 Delta R.T. 0.01 min
 Lab File: BE089649.D
 Acq: 23 Feb 2015 20:15

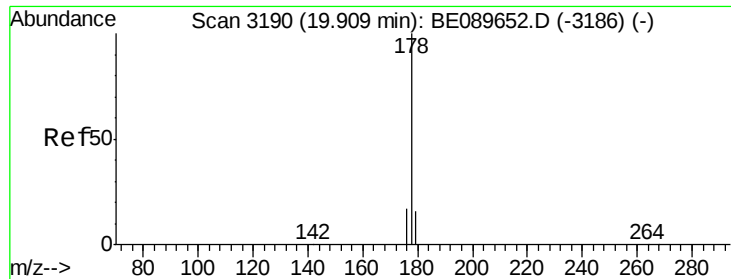
Tgt Ion: 266 Resp: 59
 Ion Ratio Lower Upper
 266 100
 268 81.7 54.7 82.1
 264 83.1 55.4 83.0#



#16
 Phenanthrene
 Concen: 0.18 ng
 RT: 19.81 min Scan# 3181
 Delta R.T. -0.00 min
 Lab File: BE089649.D
 Acq: 23 Feb 2015 20:15

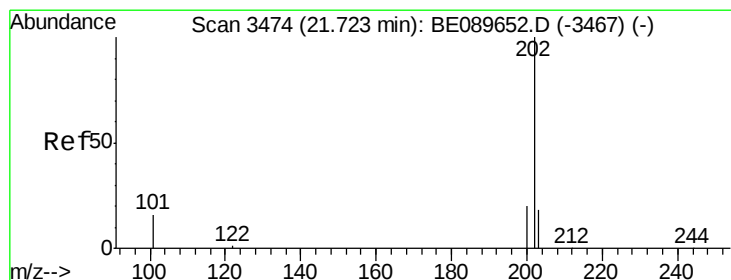
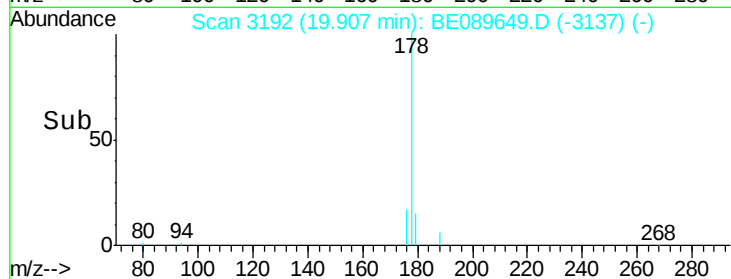
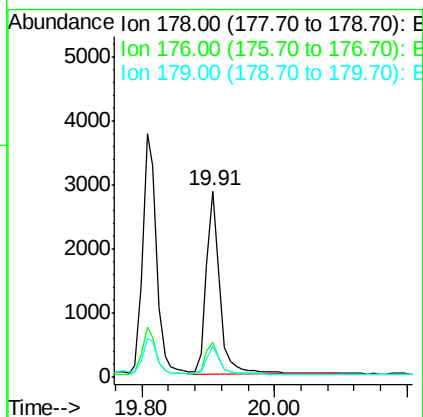
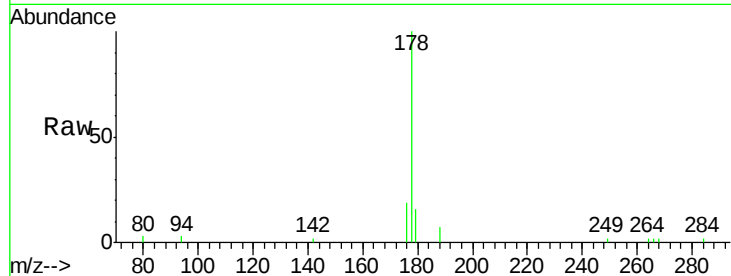
Tgt Ion: 178 Resp: 5530
 Ion Ratio Lower Upper
 178 100
 176 19.1 15.3 22.9
 179 17.0 12.3 18.5





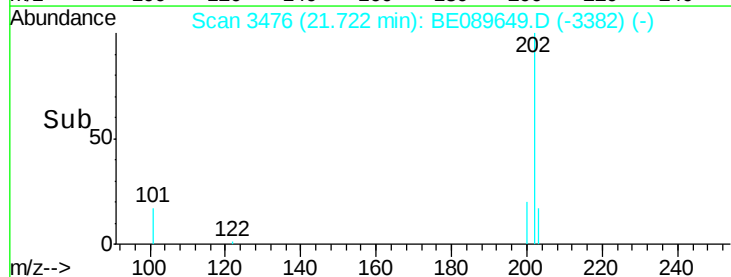
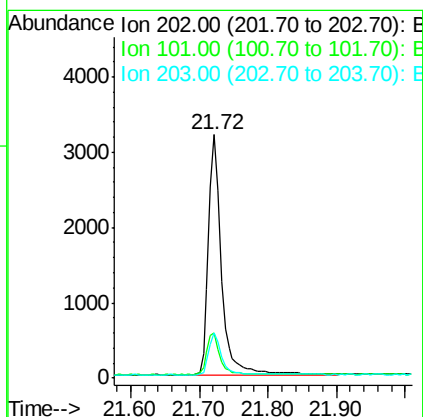
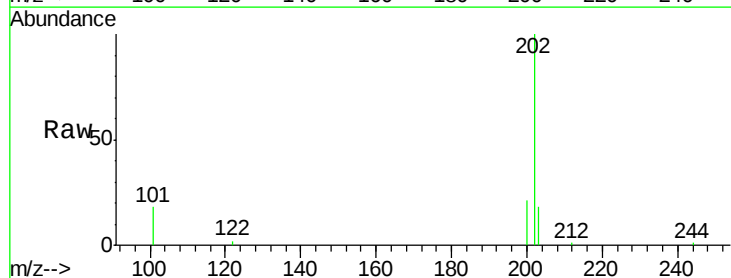
#17
 Anthracene
 Concen: 0.16 ng
 RT: 19.91 min Scan# 3192
 Delta R.T. -0.00 min
 Lab File: BE089649.D
 Acq: 23 Feb 2015 20:15

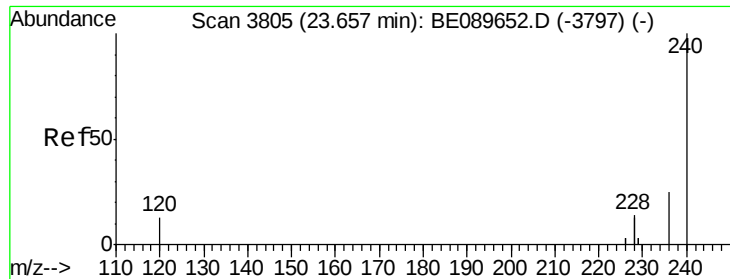
Tgt Ion:178 Resp: 4027
 Ion Ratio Lower Upper
 178 100
 176 17.5 14.3 21.5
 179 14.9 12.1 18.1



#18
 Fluoranthene
 Concen: 0.18 ng
 RT: 21.72 min Scan# 3476
 Delta R.T. -0.00 min
 Lab File: BE089649.D
 Acq: 23 Feb 2015 20:15

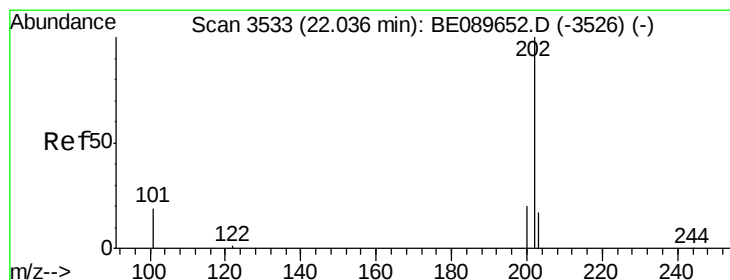
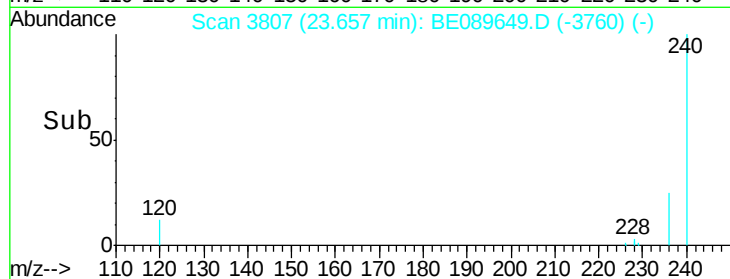
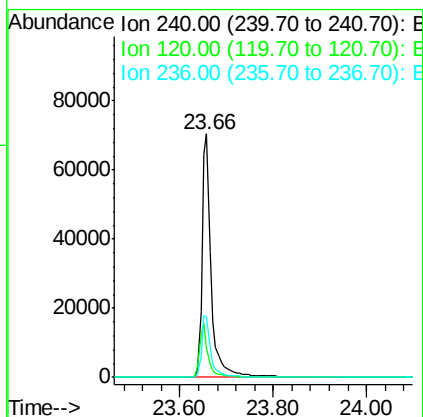
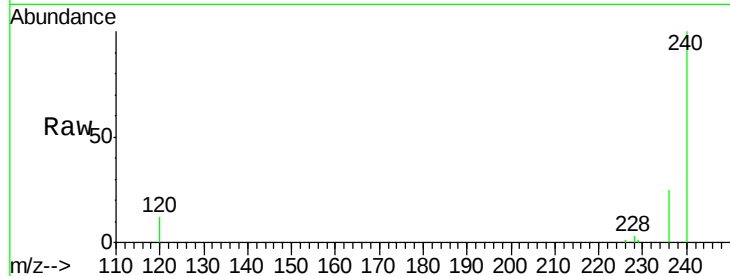
Tgt Ion:202 Resp: 4174
 Ion Ratio Lower Upper
 202 100
 101 17.1 14.9 22.3
 203 17.2 13.7 20.5





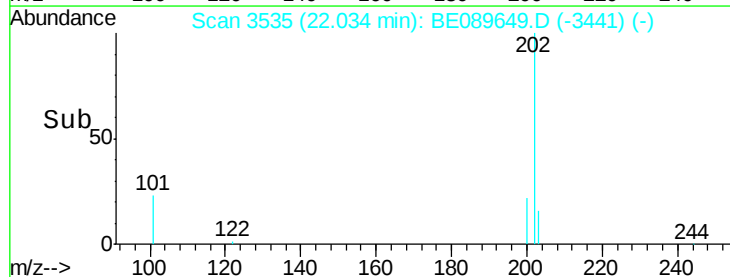
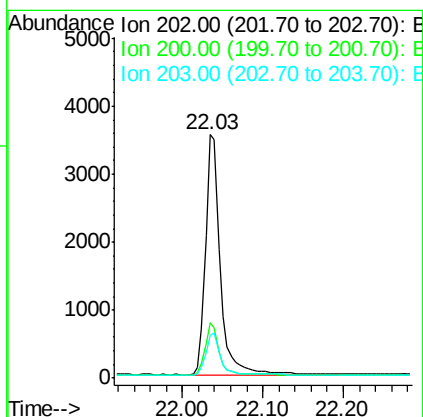
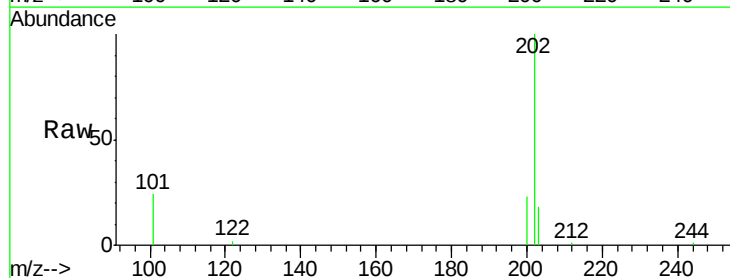
#19
Chrysene-d12
Concen: 5.00 ng
RT: 23.66 min Scan# 3807
Delta R.T. 0.00 min
Lab File: BE089649.D
Acq: 23 Feb 2015 20:15

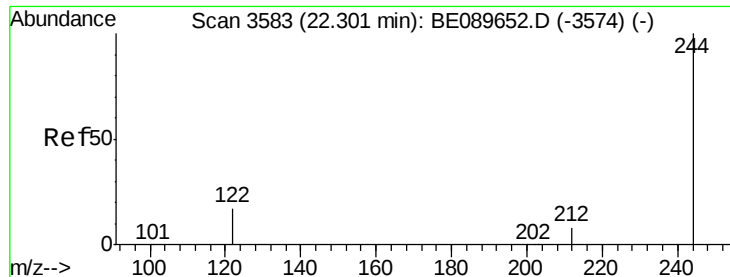
Tgt Ion: 240 Resp: 94850
Ion Ratio Lower Upper
240 100
120 12.5 10.6 15.8
236 25.0 20.3 30.5



#20
Pyrene
Concen: 0.15 ng
RT: 22.03 min Scan# 3535
Delta R.T. -0.00 min
Lab File: BE089649.D
Acq: 23 Feb 2015 20:15

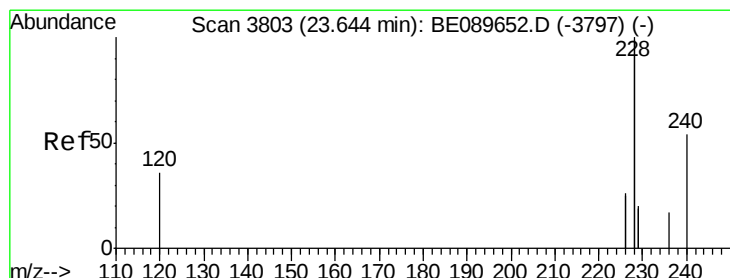
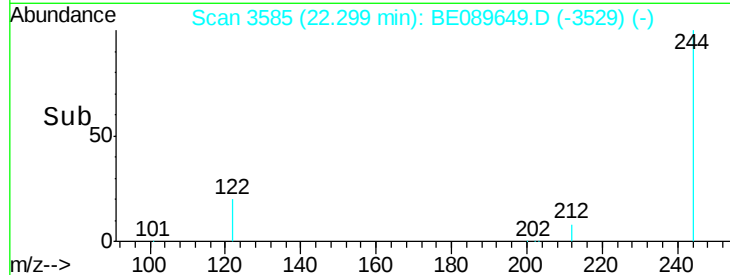
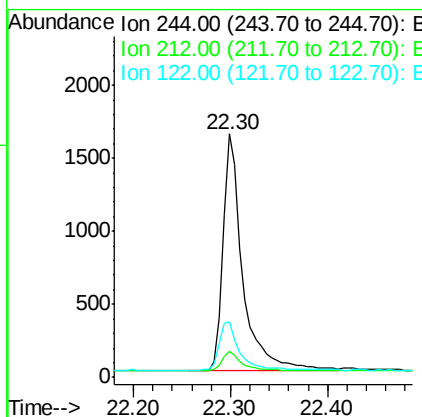
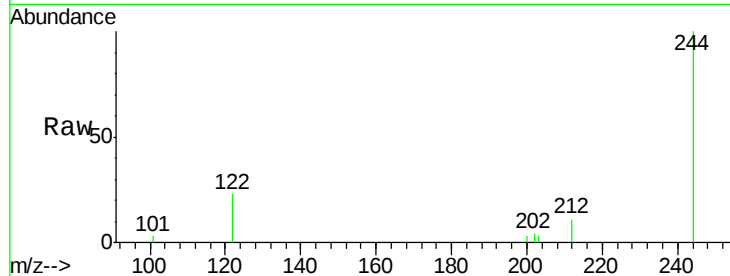
Tgt Ion: 202 Resp: 4523
Ion Ratio Lower Upper
202 100
200 20.4 16.5 24.7
203 17.2 13.8 20.6





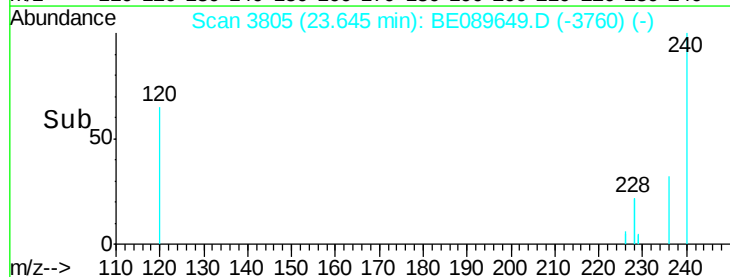
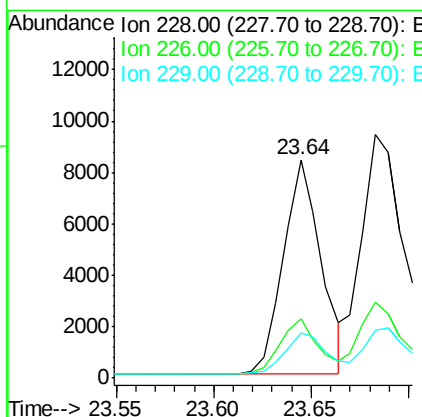
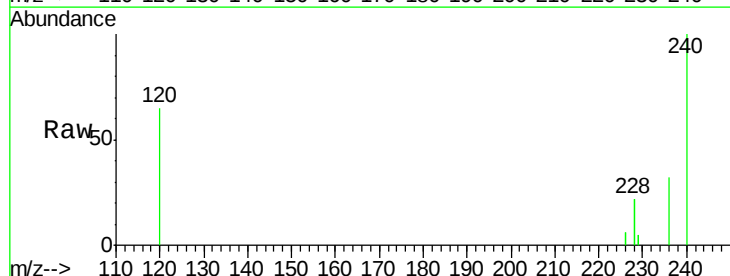
#21
 Terphenyl-d14
 Concen: 0.15 ng
 RT: 22.30 min Scan# 3585
 Delta R.T. -0.00 min
 Lab File: BE089649.D
 Acq: 23 Feb 2015 20:15

Tgt Ion: 244 Resp: 2293
 Ion Ratio Lower Upper
 244 100
 212 10.6 6.6 10.0#
 122 22.8 13.7 20.5#



#22
 Benzo(a)anthracene
 Concen: 0.16 ng
 RT: 23.64 min Scan# 3805
 Delta R.T. 0.00 min
 Lab File: BE089649.D
 Acq: 23 Feb 2015 20:15

Tgt Ion: 228 Resp: 11179
 Ion Ratio Lower Upper
 228 100
 226 27.3 20.9 31.3
 229 20.9 15.8 23.6





#23

Chrysene

Concen: 0.18 ng

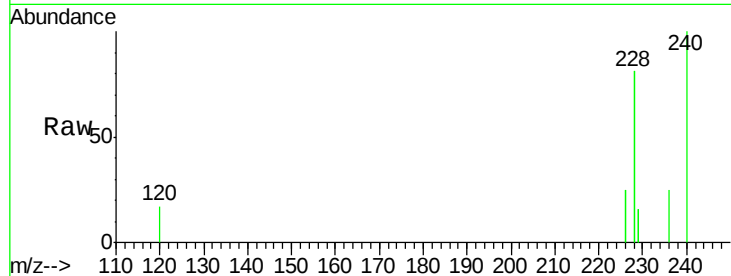
RT: 23.68 min Scan# 3811

Delta R.T. -0.01 min

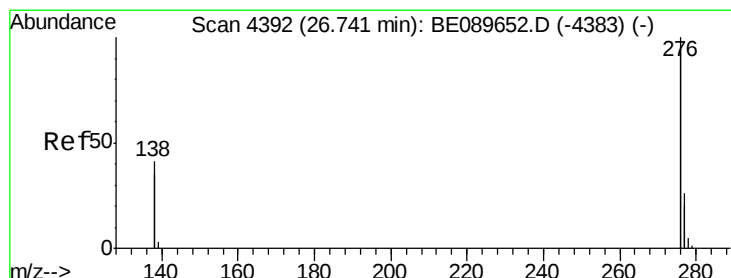
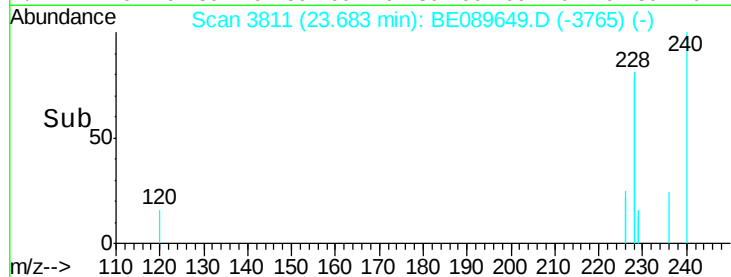
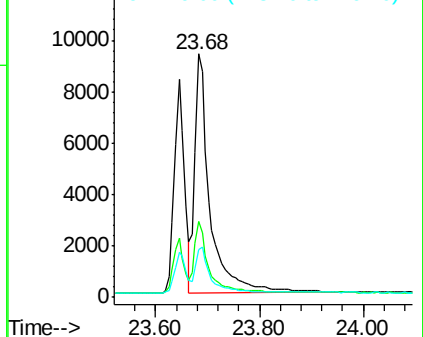
Lab File: BE089649.D

Acq: 23 Feb 2015 20:15

Tgt Ion:	228	Resp:	18407
Ion	Ratio	Lower	Upper
228	100		
226	31.0	22.0	33.0
229	19.4	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: 0.09 ng

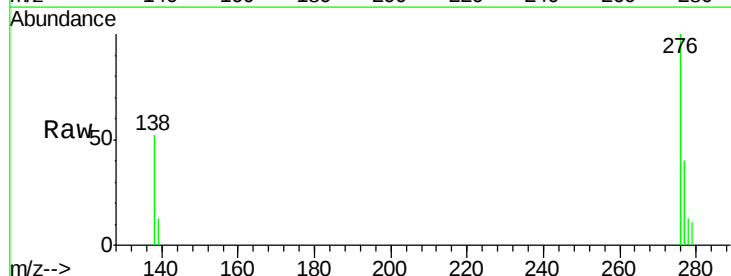
RT: 26.74 min Scan# 4394

Delta R.T. 0.00 min

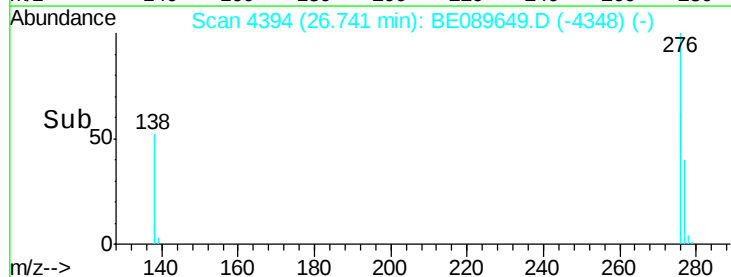
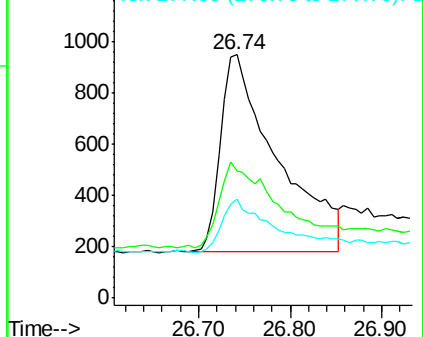
Lab File: BE089649.D

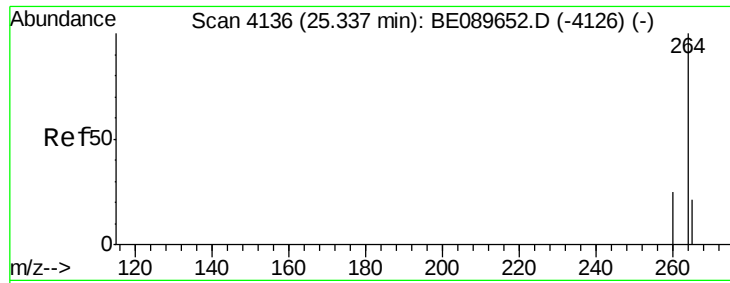
Acq: 23 Feb 2015 20:15

Tgt Ion:	276	Resp:	3320
Ion	Ratio	Lower	Upper
276	100		
138	42.9	36.2	54.4
277	27.1	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

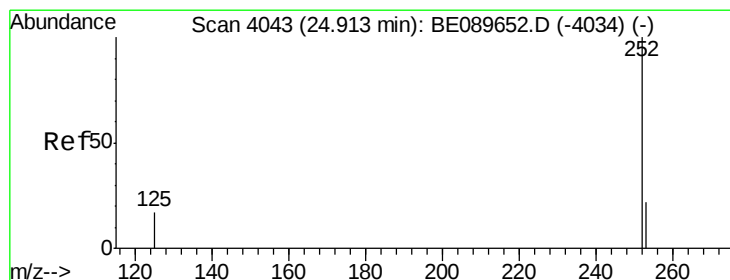
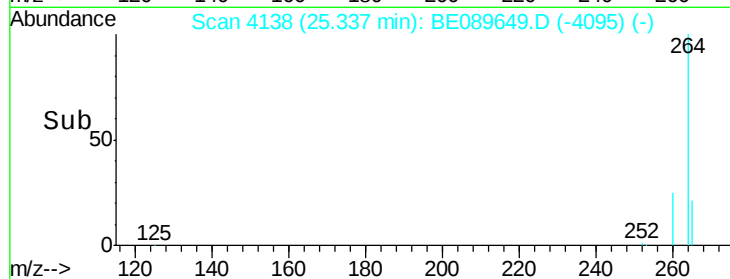
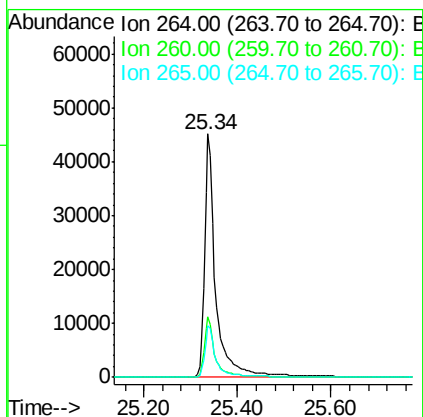
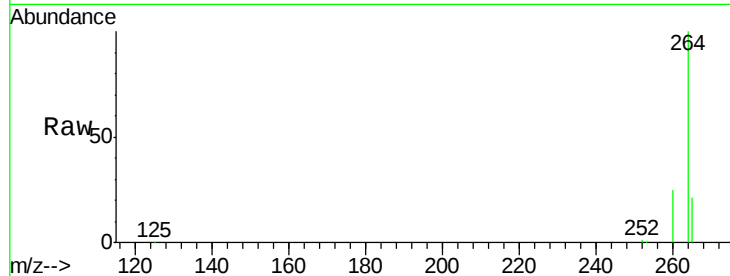




#25
Perylene-d12
Concen: 5.00 ng
RT: 25.34 min Scan# 4138
Delta R.T. 0.00 min
Lab File: BE089649.D
Acq: 23 Feb 2015 20:15

Tgt Ion: 264 Resp: 74241

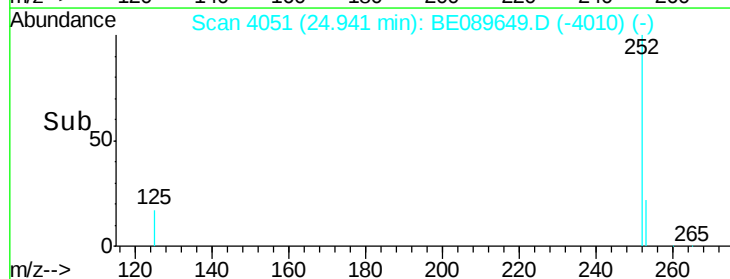
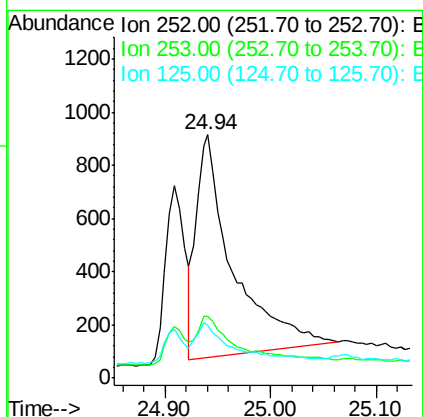
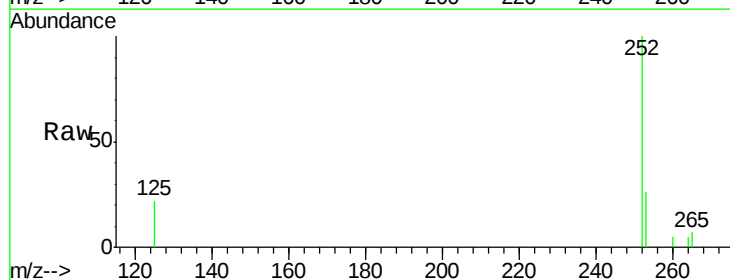
Ion	Ratio	Lower	Upper
264	100		
260	24.7	20.0	30.0
265	21.1	16.8	25.2

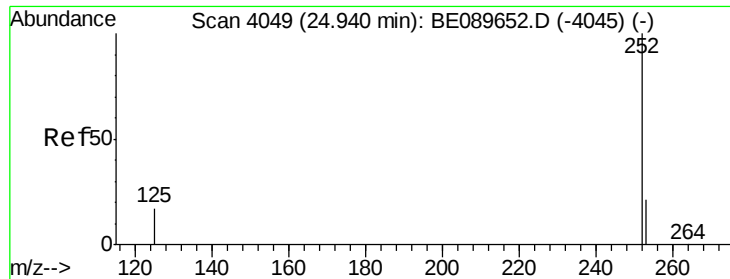


#26
Benzo(b)fluoranthene
Concen: 0.28 ng
RT: 24.94 min Scan# 4051
Delta R.T. 0.03 min
Lab File: BE089649.D
Acq: 23 Feb 2015 20:15

Tgt Ion: 252 Resp: 2016

Ion	Ratio	Lower	Upper
252	100		
253	25.7	18.3	27.5
125	21.8	14.6	22.0





#27

Benzo(k)fluoranthene

Concen: 0.11 ng

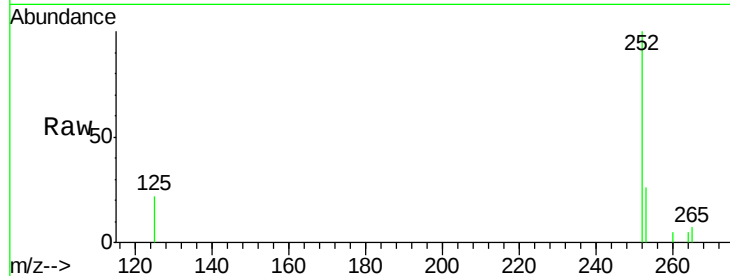
RT: 24.94 min Scan# 4051

Delta R.T. 0.00 min

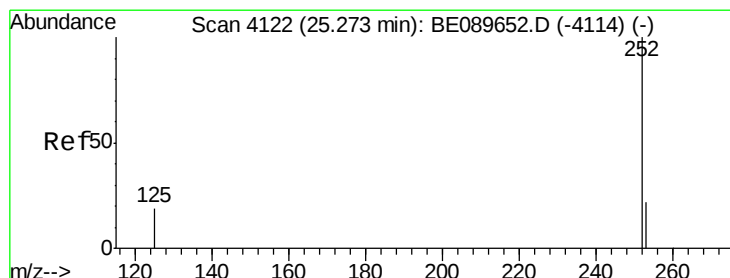
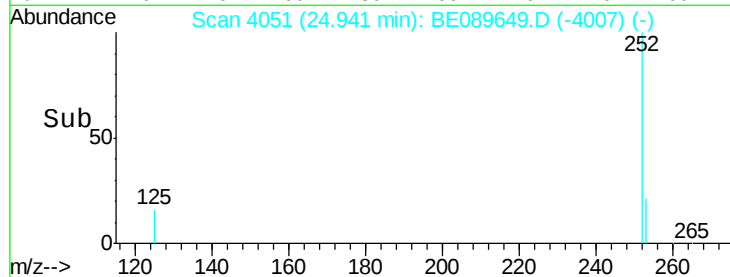
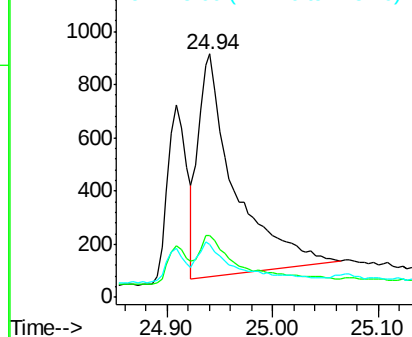
Lab File: BE089649.D

Acq: 23 Feb 2015 20:15

Tgt Ion:	252	Resp:	2016
Ion	Ratio	Lower	Upper
252	100		
253	25.7	17.8	26.8
125	21.8	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: 0.12 ng

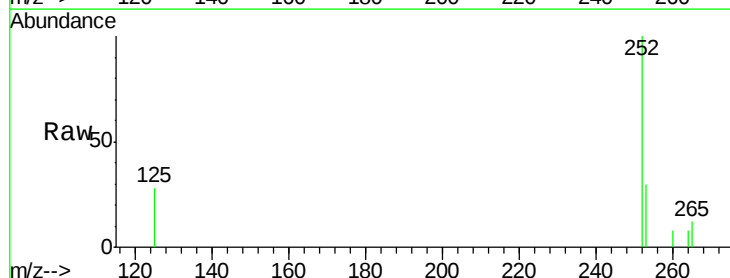
RT: 25.27 min Scan# 4123

Delta R.T. -0.00 min

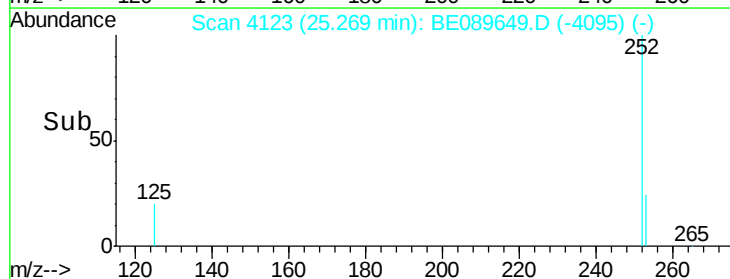
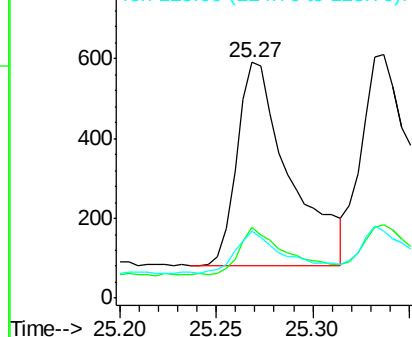
Lab File: BE089649.D

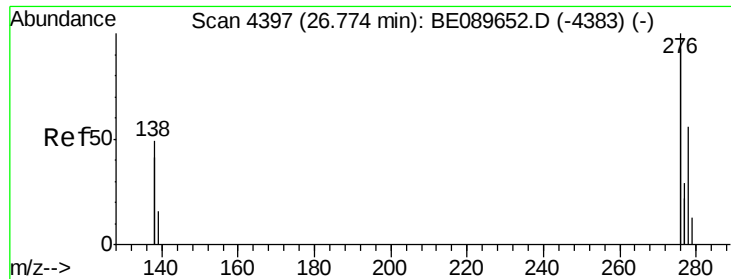
Acq: 23 Feb 2015 20:15

Tgt Ion:	252	Resp:	968
Ion	Ratio	Lower	Upper
252	100		
253	29.9	18.4	27.6#
125	28.3	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: 0.08 ng

RT: 26.77 min Scan# 4398

Delta R.T. -0.01 min

Lab File: BE089649.D

Acq: 23 Feb 2015 20:15

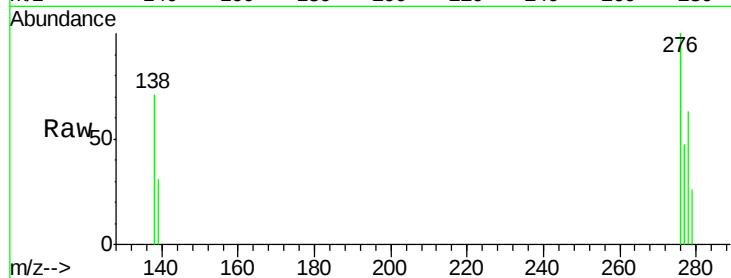
Tgt Ion: 278 Resp: 559

Ion Ratio Lower Upper

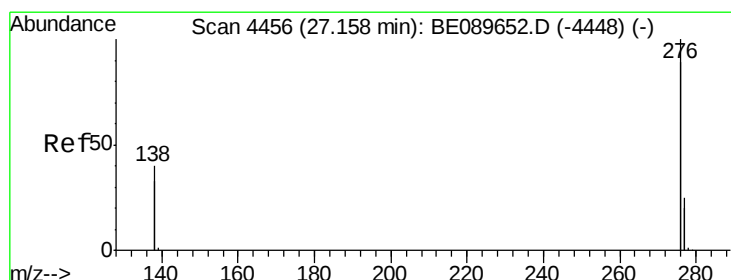
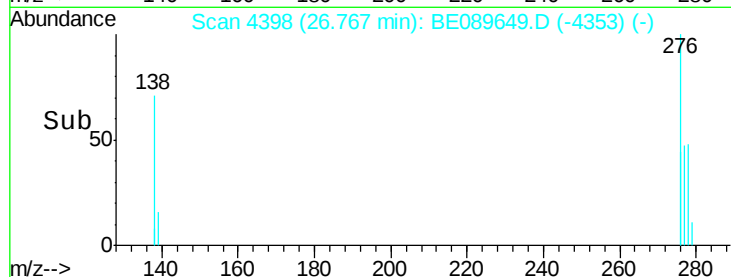
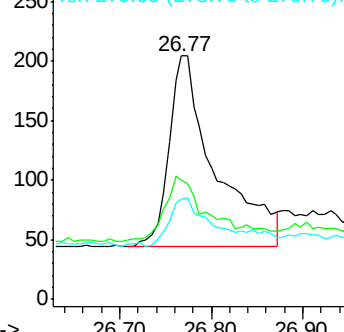
278 100

139 49.0 25.4 38.2#

279 41.2 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: 0.13 ng

RT: 27.15 min Scan# 4457

Delta R.T. -0.01 min

Lab File: BE089649.D

Acq: 23 Feb 2015 20:15

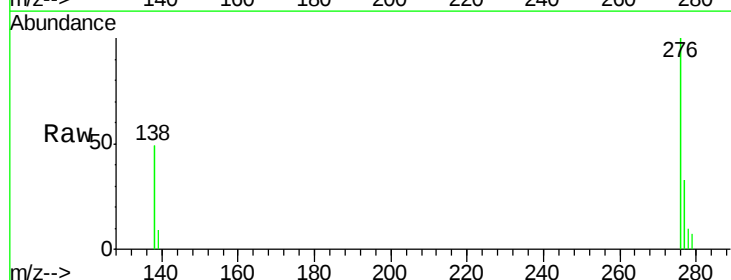
Tgt Ion: 276 Resp: 5479

Ion Ratio Lower Upper

276 100

277 33.2 20.2 30.2#

138 49.1 32.4 48.6#



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

