

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE022315\
 Data File : BE089652.D
 Acq On : 23 Feb 2015 22:12
 Operator : TP/JJ
 Sample : SSTDICCC001
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 24 03:17:46 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	31088	5.00	ng	0.00
4) Naphthalene-d8	12.24	136	131938	5.00	ng	0.00
8) Acenaphthene-d10	16.42	164	58856	5.00	ng	0.00
13) Phenanthrene-d10	19.76	188	125748	5.00	ng	0.00
19) Chrysene-d12	23.66	240	89227	5.00	ng	0.00
25) Perylene-d12	25.34	264	69150	5.00	ng	0.00

System Monitoring Compounds

5) Nitrobenzene-d5	10.60	82	8530	1.42	ng	0.00
9) 2-Fluorobiphenyl	14.88	172	17023	1.11	ng	0.00
21) Terphenyl-d14	22.30	244	20608	1.43	ng	0.00

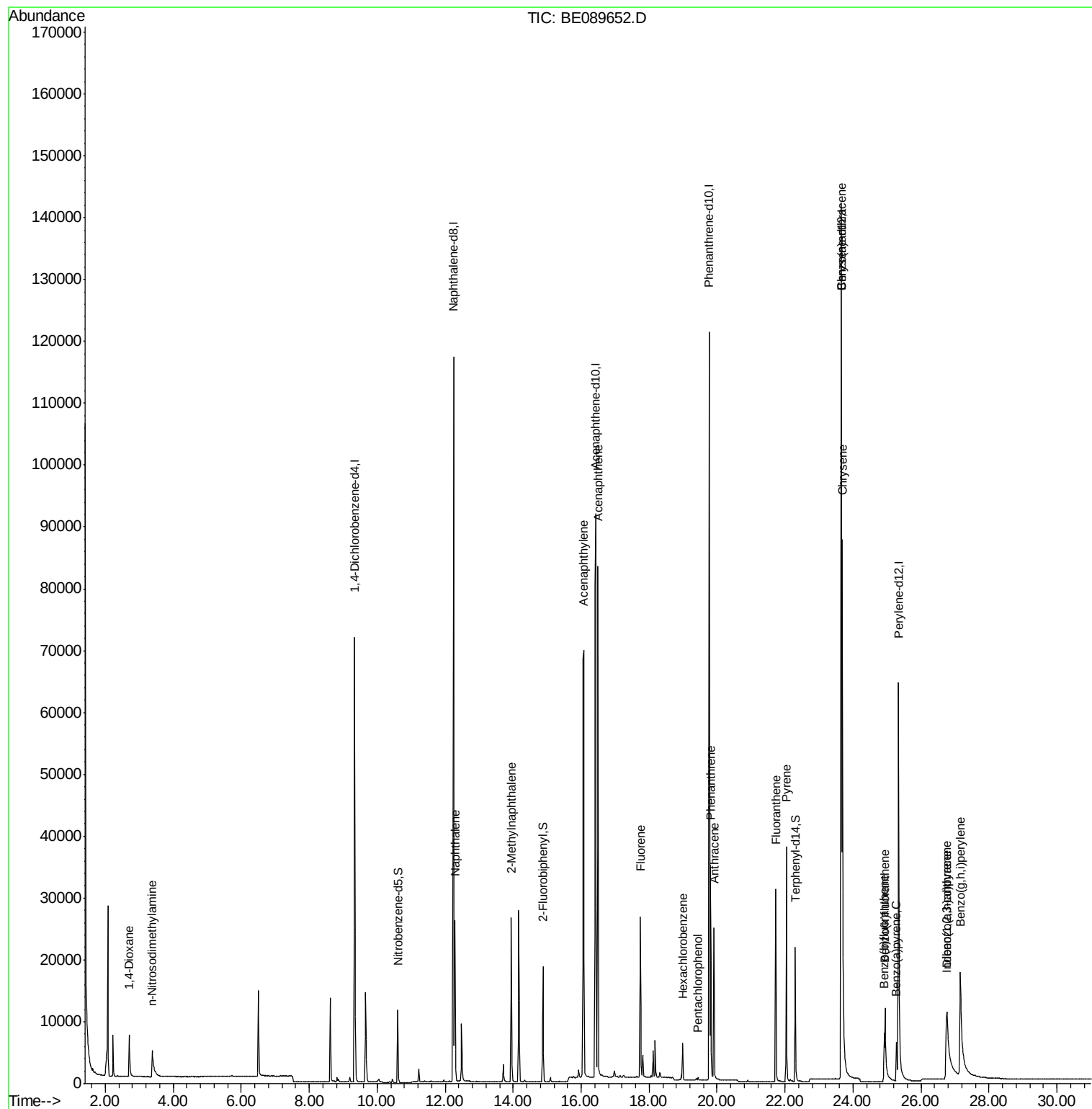
Target Compounds

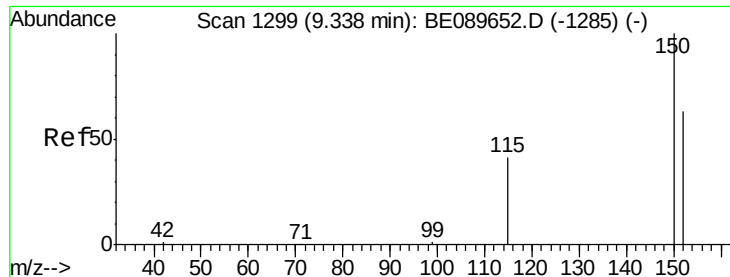
						Qvalue
2) 1,4-Dioxane	2.70	88	4969	0.97	ng	100
3) n-Nitrosodimethylamine	3.37	42	6278	1.15	ng	99
6) Naphthalene	12.29	128	31044	1.04	ng	100
7) 2-Methylnaphthalene	13.94	142	17870	1.06	ng	100
10) Acenaphthylene	16.07	152	102608	1.05	ng	100
11) Acenaphthene	16.49	154	16227	1.04	ng	100
12) Fluorene	17.74	166	18248	1.12	ng	100
14) Hexachlorobenzene	18.99	284	3849	0.99	ng	100
15) Pentachlorophenol	19.43	266	412	0.43	ng	100
16) Phenanthrene	19.81	178	31777	1.01	ng	100
17) Anthracene	19.91	178	27235	1.07	ng	100
18) Fluoranthene	21.72	202	24328	1.06	ng	100
20) Pyrene	22.04	202	26309	0.94	ng	100
22) Benzo(a)anthracene	23.64	228	71761	1.10	ng	100
23) Chrysene	23.69	228	96724	1.00	ng	100
24) Indeno(1,2,3-cd)pyrene	26.74	276	40013	1.10	ng	100
26) Benzo(b)fluoranthene	24.91	252	7147	1.08	ng	100
27) Benzo(k)fluoranthene	24.94	252	22194	1.28	ng	100
28) Benzo(a)pyrene	25.27	252	8715	1.14	ng	100
29) Dibenzo(a,h)anthracene	26.77	278	7344	1.15	ng	100
30) Benzo(g,h,i)perylene	27.16	276	42118	1.06	ng	100

(#) = 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: BE089652.D

Acq: 23 Feb 2015 22:12

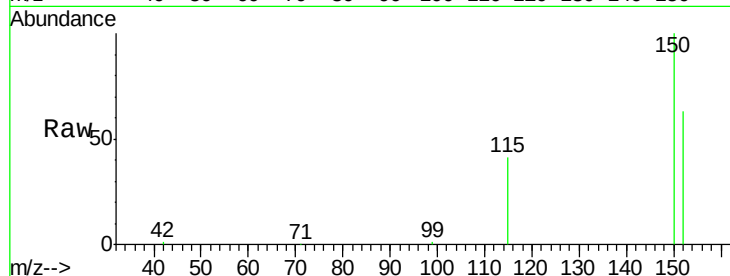
Tgt Ion: 152 Resp: 31088

Ion Ratio Lower Upper

152 100

150 158.8 127.0 190.6

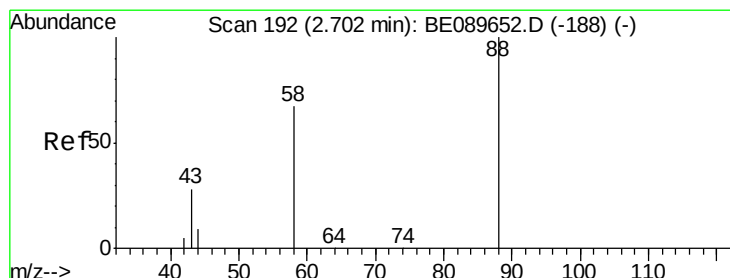
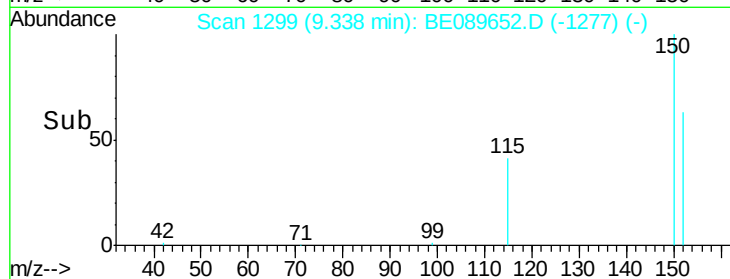
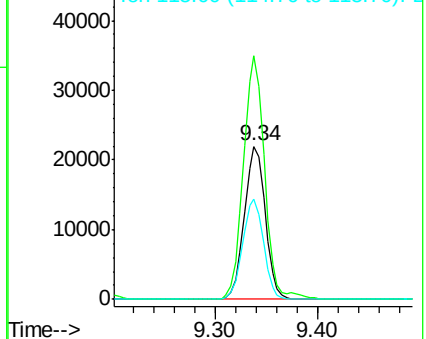
115 65.5 52.4 78.6



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: 0.97 ng

RT: 2.70 min Scan# 192

Delta R.T. 0.00 min

Lab File: BE089652.D

Acq: 23 Feb 2015 22:12

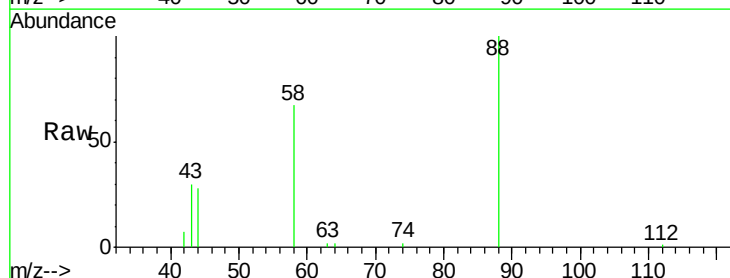
Tgt Ion: 88 Resp: 4969

Ion Ratio Lower Upper

88 100

58 77.2 61.8 92.6

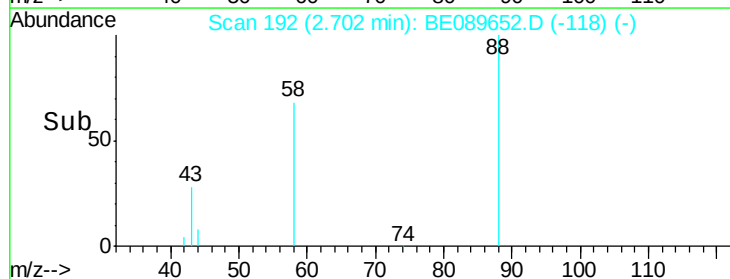
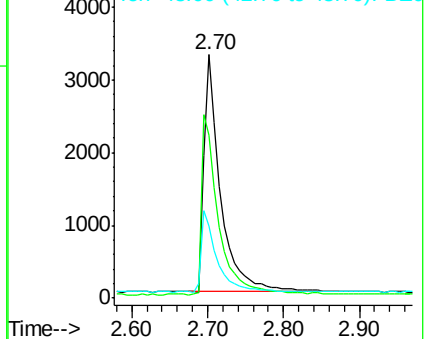
43 33.0 26.4 39.6

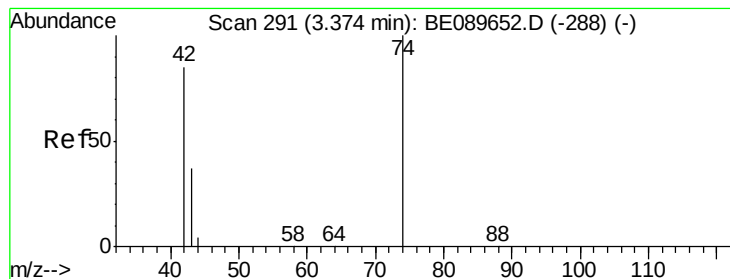


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0

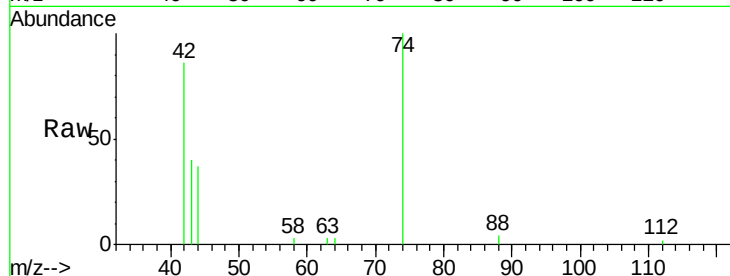




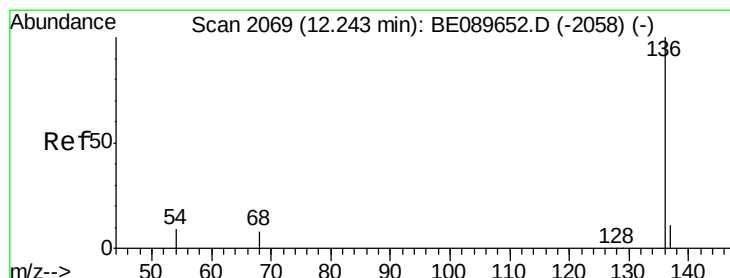
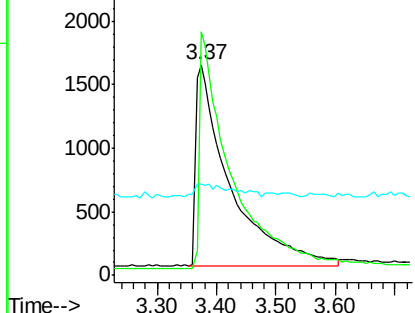
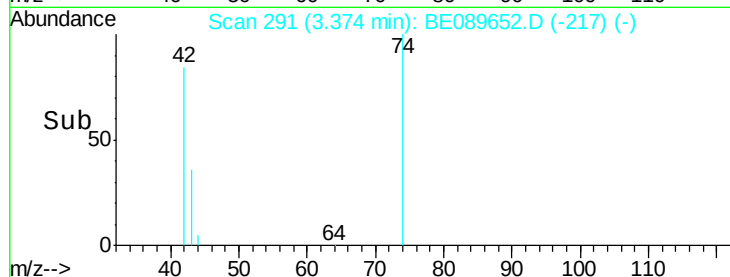
#3

n-Nitrosodimethylamine
 Concen: 1.15 ng
 RT: 3.37 min Scan# 291
 Delta R.T. 0.00 min
 Lab File: BE089652.D
 Acq: 23 Feb 2015 22:12

Tgt Ion: 42 Resp: 6278
 Ion Ratio Lower Upper
 42 100
 74 116.4 92.5 138.7
 44 6.1 4.9 7.3



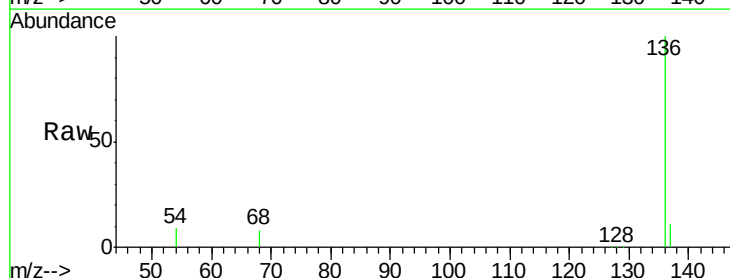
Abundance Ion 42.00 (41.70 to 42.70): BE0
 Ion 74.00 (73.70 to 74.70): BE0
 Ion 44.00 (43.70 to 44.70): BE0



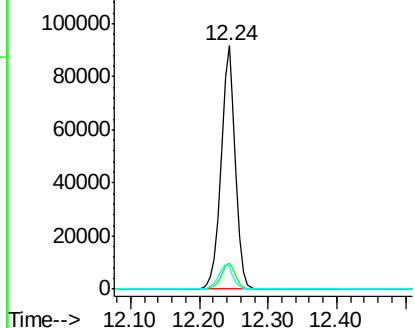
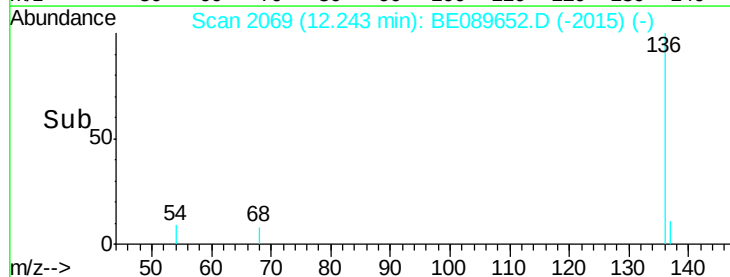
#4

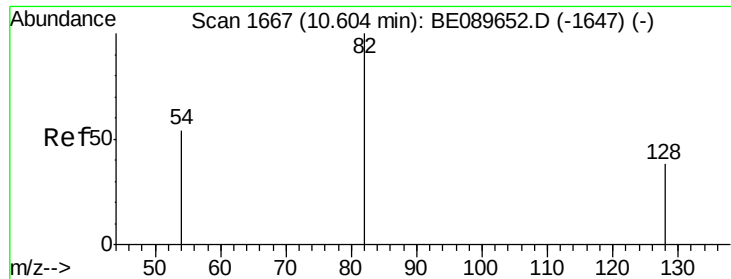
Naphthalene-d8
 Concen: 5.00 ng
 RT: 12.24 min Scan# 2069
 Delta R.T. 0.00 min
 Lab File: BE089652.D
 Acq: 23 Feb 2015 22:12

Tgt Ion: 136 Resp: 131938
 Ion Ratio Lower Upper
 136 100
 137 10.9 8.7 13.1
 54 9.4 7.5 11.3



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





#5

Nitrobenzene-d5

Concen: 1.42 ng

RT: 10.60 min Scan# 1667

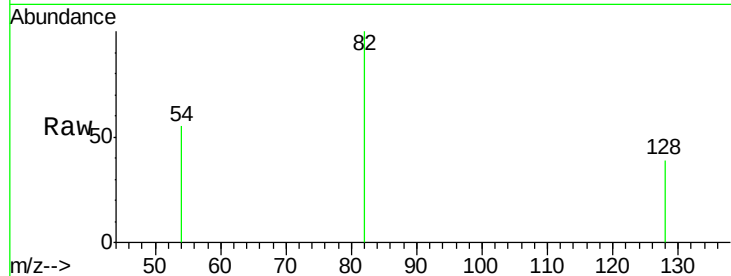
Delta R.T. 0.00 min

Lab File: BE089652.D

Acq: 23 Feb 2015 22:12

Tgt Ion: 82 Resp: 8530

Ion	Ratio	Lower	Upper
82	100		
128	38.7	31.0	46.4
54	54.8	43.8	65.8

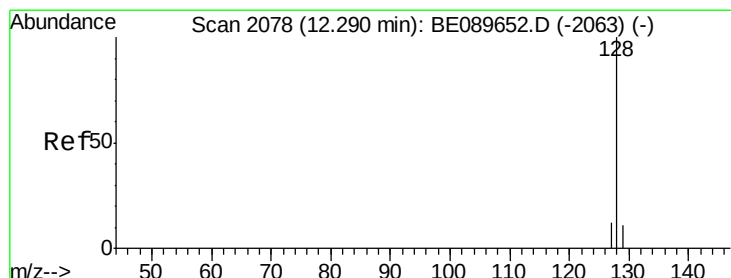
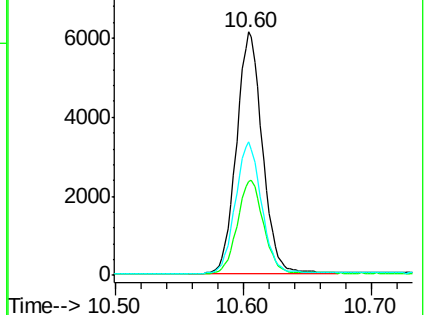
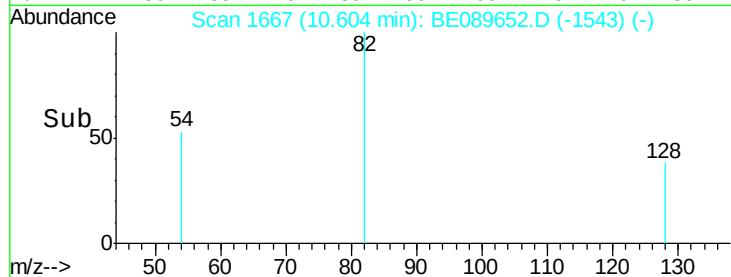


Abundance

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: 1.04 ng

RT: 12.29 min Scan# 2078

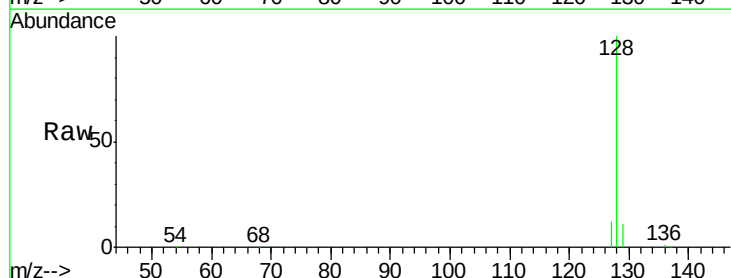
Delta R.T. 0.00 min

Lab File: BE089652.D

Acq: 23 Feb 2015 22:12

Tgt Ion: 128 Resp: 31044

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.8	13.2
127	12.2	9.8	14.6

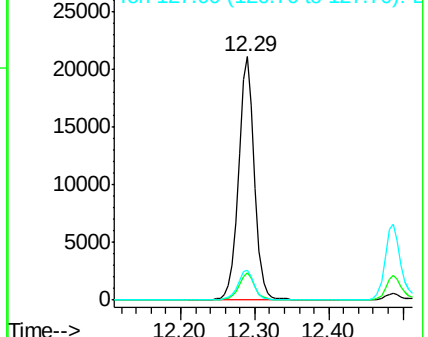
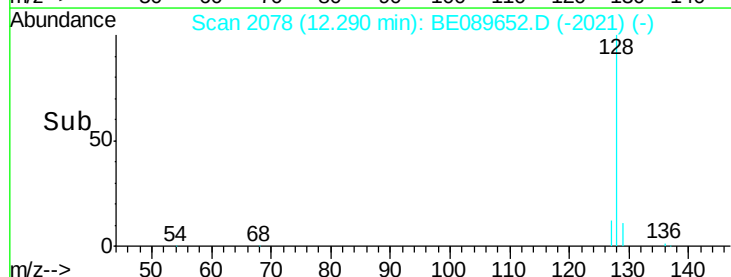


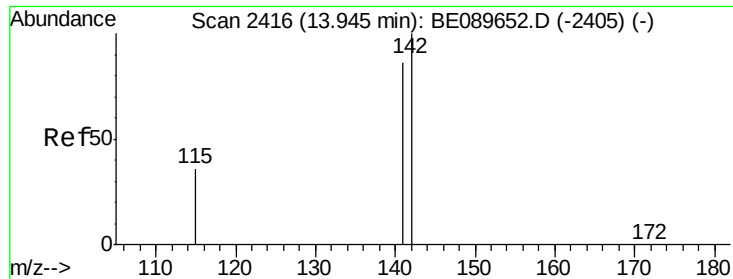
Abundance

Ion 128.00 (127.70 to 128.70): BE0

Ion 129.00 (128.70 to 129.70): BE0

Ion 127.00 (126.70 to 127.70): BE0





#7

2-Methylnaphthalene

Concen: 1.06 ng

RT: 13.94 min Scan# 2416

Delta R.T. 0.00 min

Lab File: BE089652.D

Acq: 23 Feb 2015 22:12

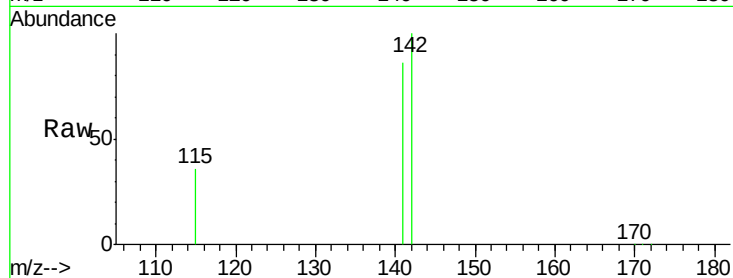
Tgt Ion:142 Resp: 17870

Ion Ratio Lower Upper

142 100

141 85.8 68.6 103.0

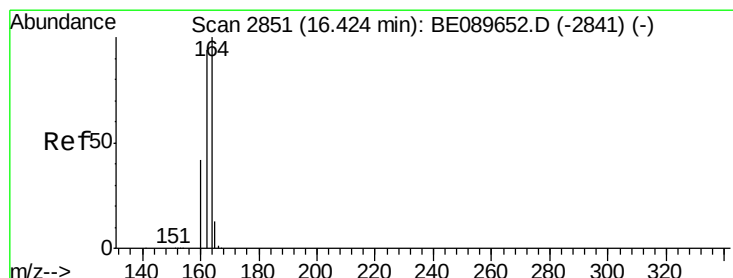
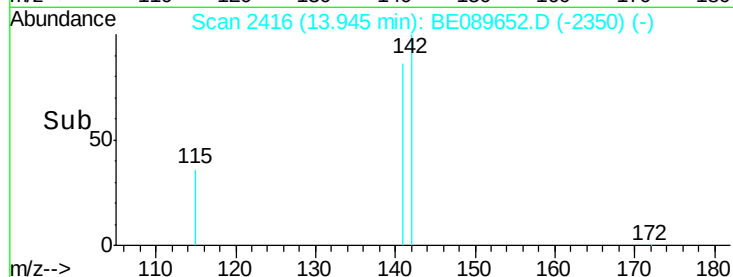
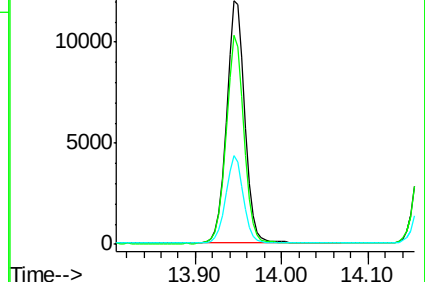
115 36.3 29.0 43.6



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: BE089652.D

Acq: 23 Feb 2015 22:12

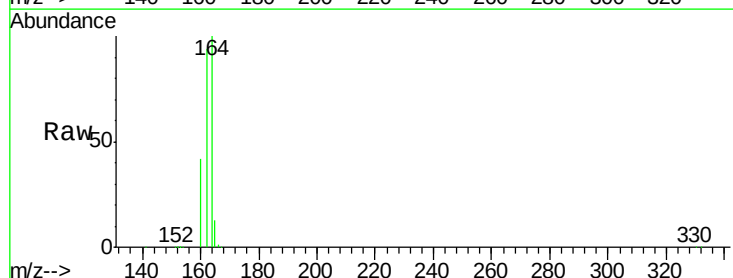
Tgt Ion:164 Resp: 58856

Ion Ratio Lower Upper

164 100

162 94.3 75.4 113.2

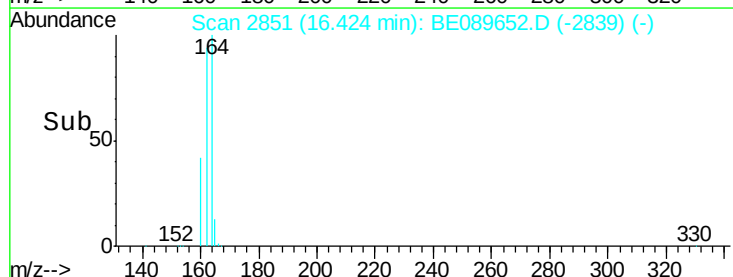
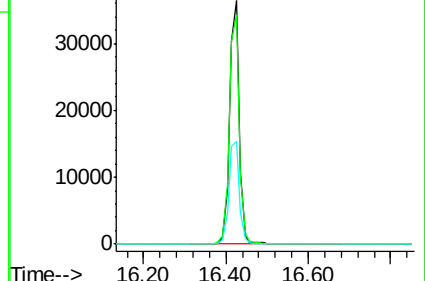
160 42.1 33.7 50.5

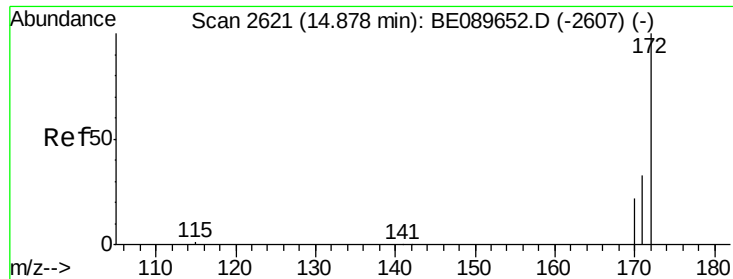


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

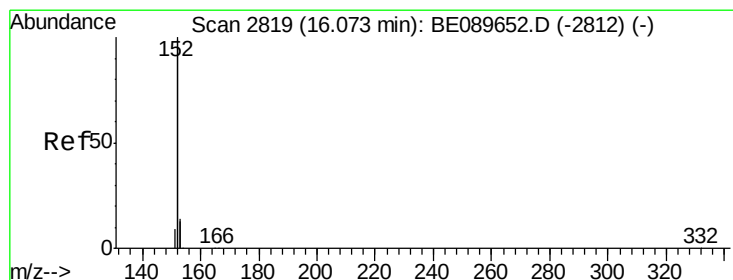
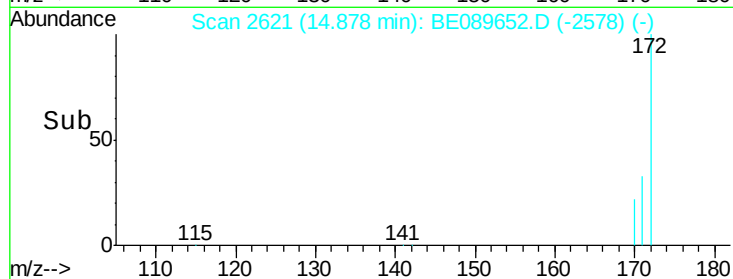
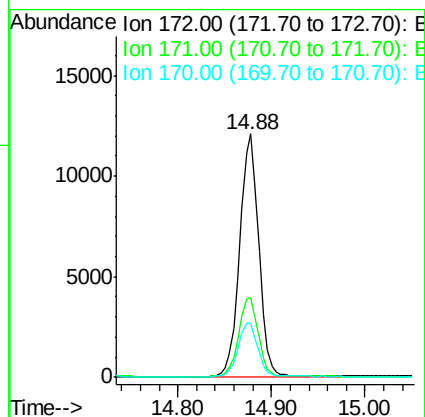
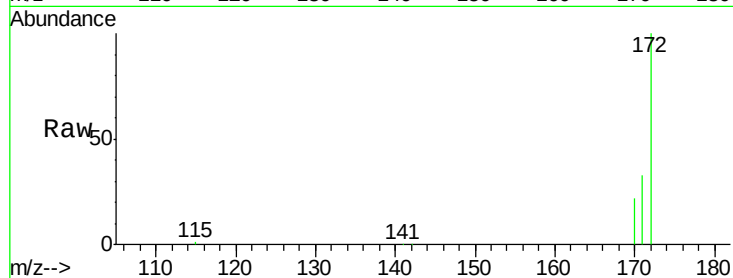
Ion 160.00 (159.70 to 160.70): E





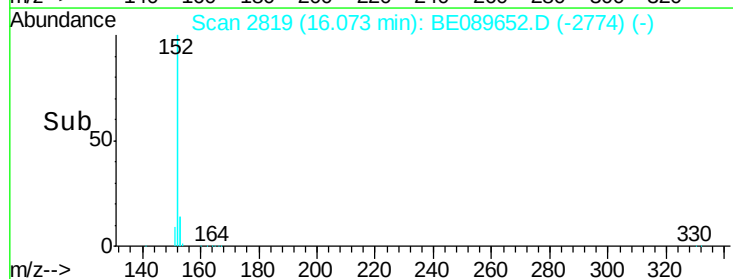
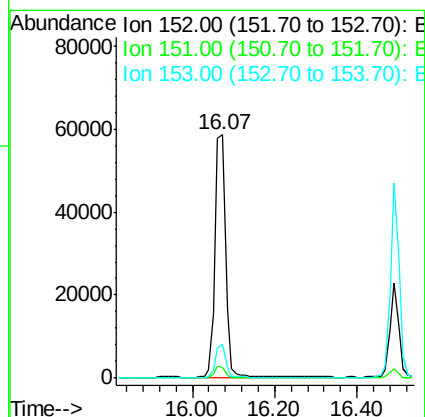
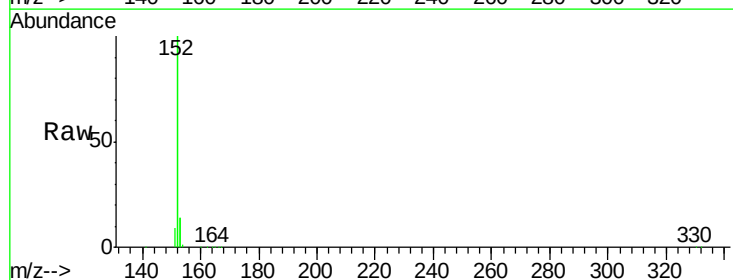
#9
 2-Fluorobiphenyl
 Concen: 1.11 ng
 RT: 14.88 min Scan# 2621
 Delta R.T. 0.00 min
 Lab File: BE089652.D
 Acq: 23 Feb 2015 22:12

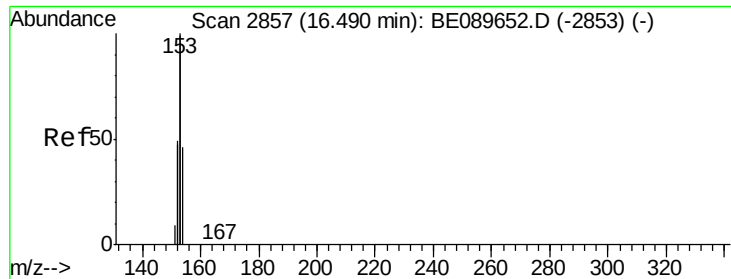
Tgt Ion:	172	Resp:	17023
Ion	Ratio	Lower	Upper
172	100		
171	32.8	26.2	39.4
170	22.1	17.7	26.5



#10
 Acenaphthylene
 Concen: 1.05 ng
 RT: 16.07 min Scan# 2819
 Delta R.T. 0.00 min
 Lab File: BE089652.D
 Acq: 23 Feb 2015 22:12

Tgt Ion:	152	Resp:	102608
Ion	Ratio	Lower	Upper
152	100		
151	4.7	3.8	5.6
153	13.0	10.4	15.6





#11

Acenaphthene

Concen: 1.04 ng

RT: 16.49 min Scan# 2857

Delta R.T. 0.00 min

Lab File: BE089652.D

Acq: 23 Feb 2015 22:12

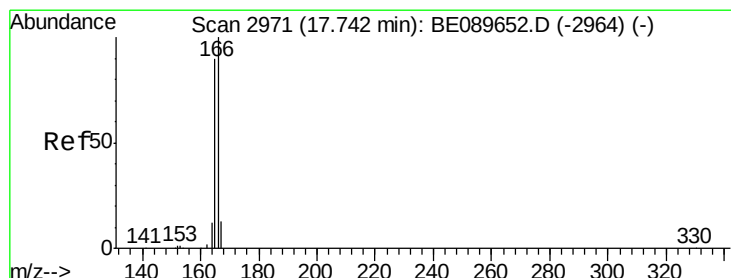
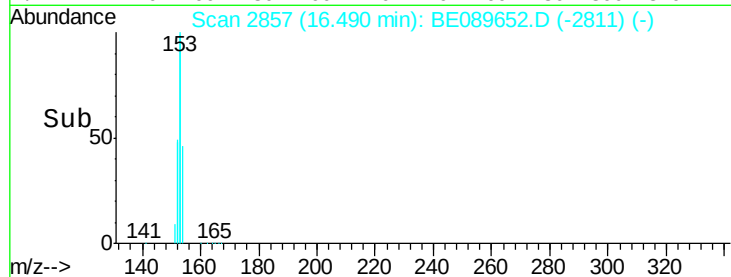
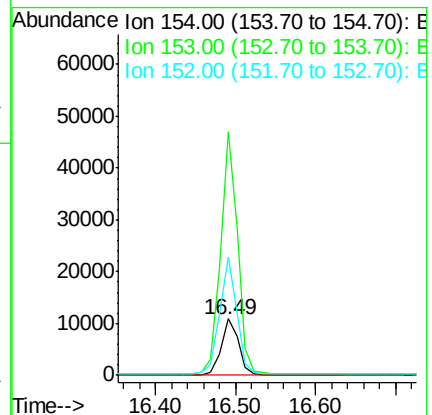
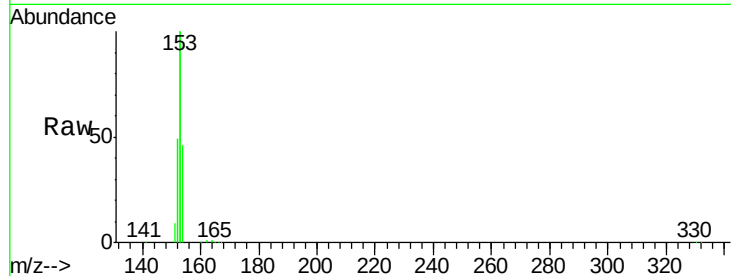
Tgt Ion:154 Resp: 16227

Ion Ratio Lower Upper

154 100

153 428.7 343.0 514.4

152 207.3 165.8 248.8



#12

Fluorene

Concen: 1.12 ng

RT: 17.74 min Scan# 2971

Delta R.T. 0.00 min

Lab File: BE089652.D

Acq: 23 Feb 2015 22:12

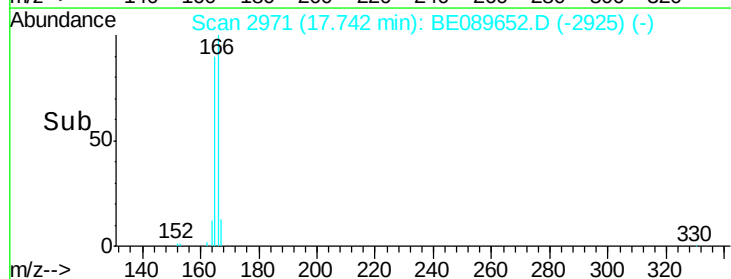
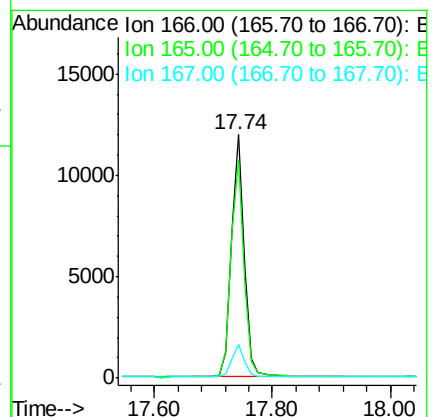
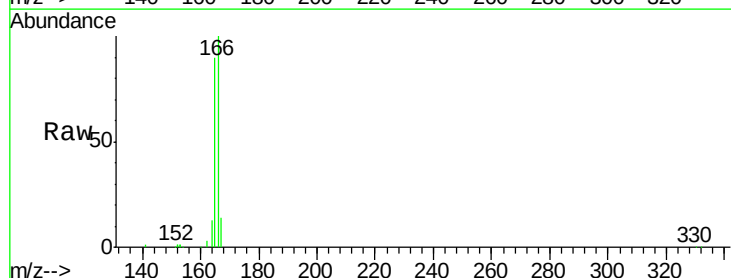
Tgt Ion:166 Resp: 18248

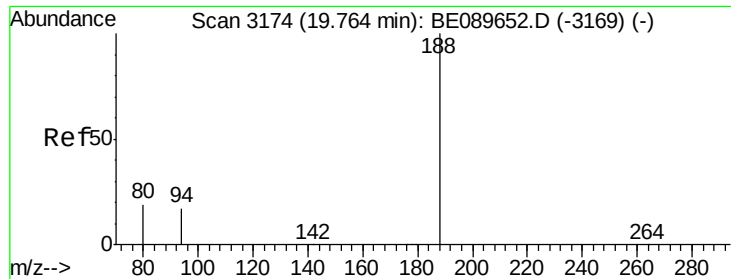
Ion Ratio Lower Upper

166 100

165 92.0 73.6 110.4

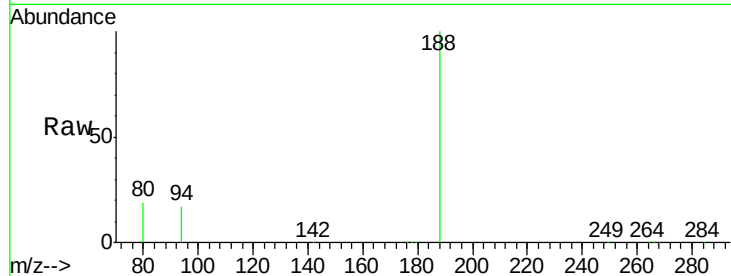
167 13.1 10.5 15.7



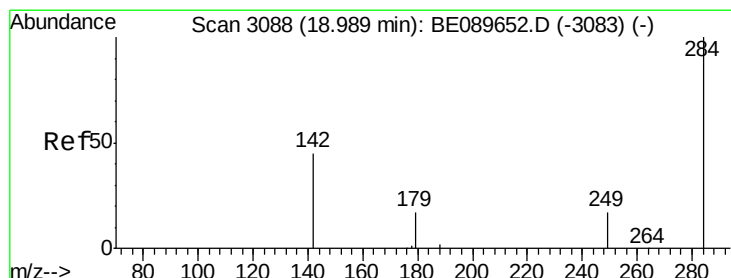
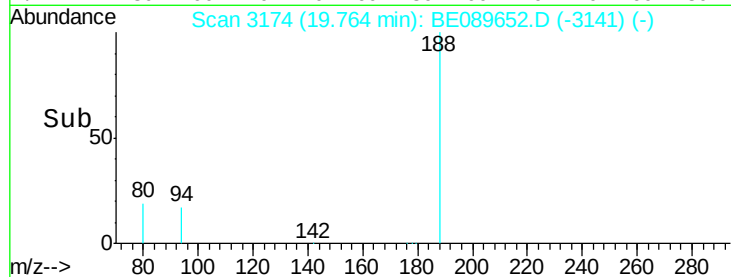
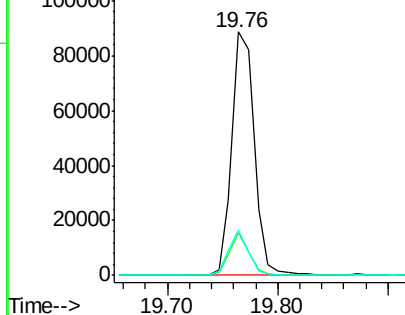


#13
Phenanthrene-d10
Concen: 5.00 ng
RT: 19.76 min Scan# 3174
Delta R.T. 0.00 min
Lab File: BE089652.D
Acq: 23 Feb 2015 22:12

Tgt Ion	Ratio	Lower	Upper
188	100		
94	17.3	13.8	20.8
80	18.8	15.0	22.6

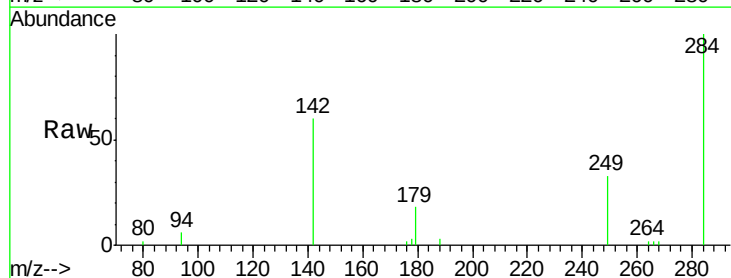


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BE0
Ion 80.00 (79.70 to 80.70): BE0

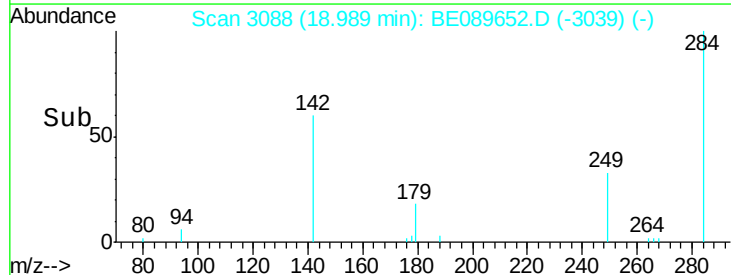
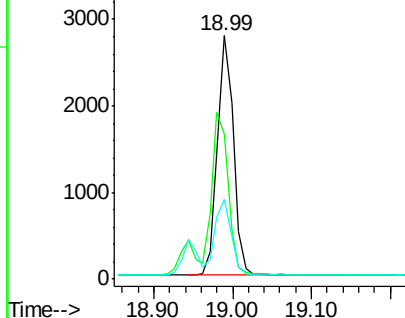


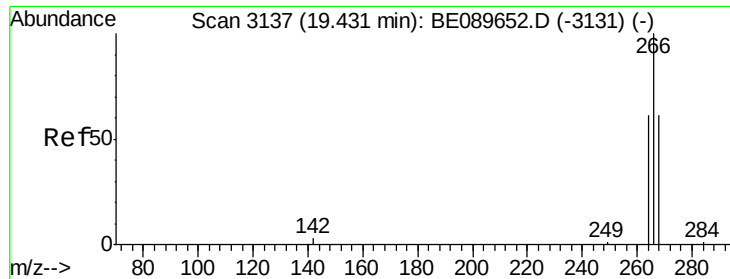
#14
Hexachlorobenzene
Concen: 0.99 ng
RT: 18.99 min Scan# 3088
Delta R.T. 0.00 min
Lab File: BE089652.D
Acq: 23 Feb 2015 22:12

Tgt Ion	Ratio	Lower	Upper
284	100		
142	68.8	55.0	82.6
249	32.6	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

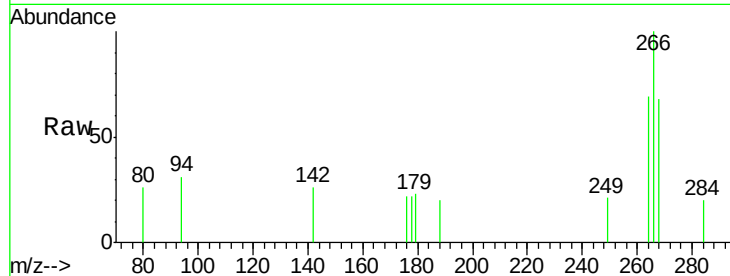




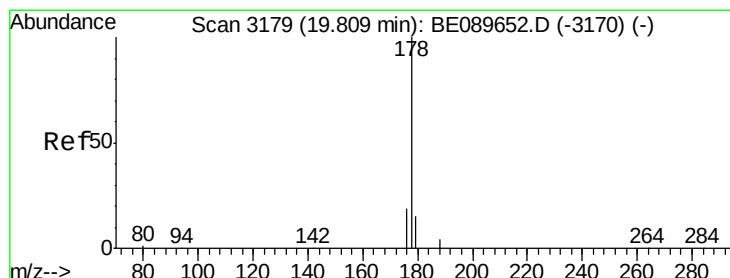
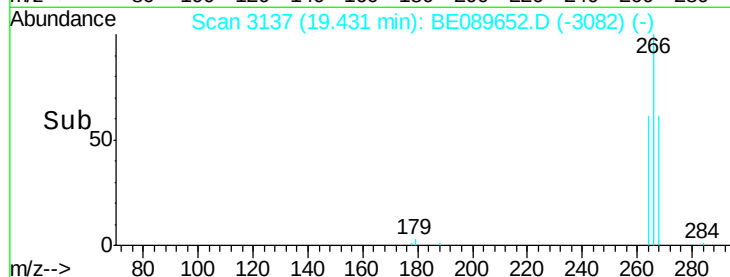
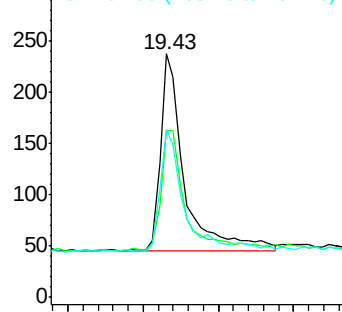
#15
 Pentachlorophenol
 Concen: 0.43 ng
 RT: 19.43 min Scan# 3137
 Delta R.T. 0.00 min
 Lab File: BE089652.D
 Acq: 23 Feb 2015 22:12

Tgt Ion: 266 Resp: 412

Ion	Ratio	Lower	Upper
266	100		
268	68.4	54.7	82.1
264	69.2	55.4	83.0



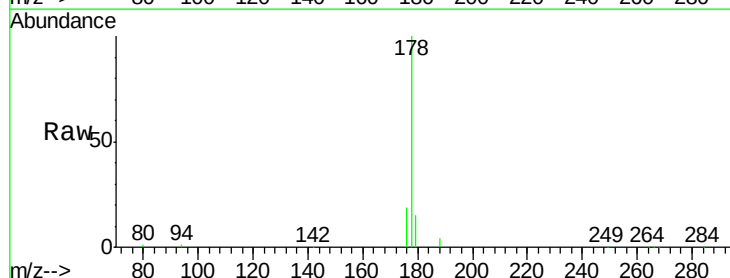
Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E



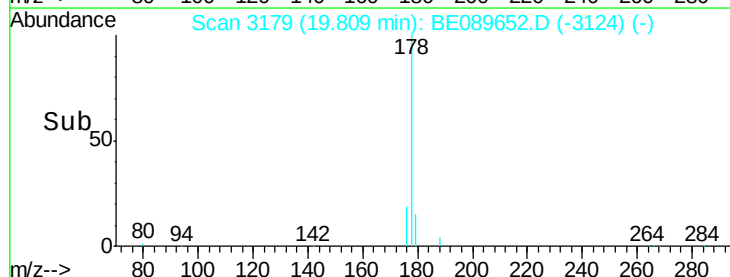
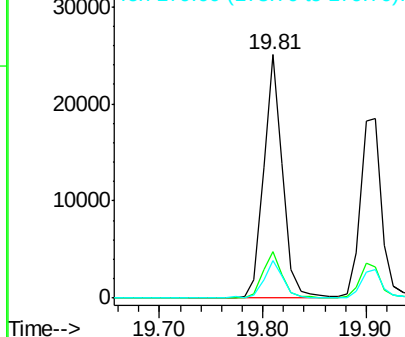
#16
 Phenanthrene
 Concen: 1.01 ng
 RT: 19.81 min Scan# 3179
 Delta R.T. 0.00 min
 Lab File: BE089652.D
 Acq: 23 Feb 2015 22:12

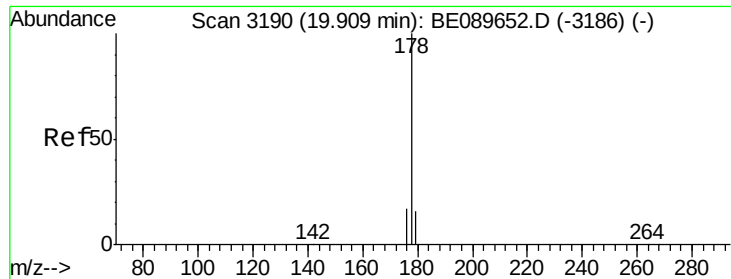
Tgt Ion: 178 Resp: 31777

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.3	22.9
179	15.4	12.3	18.5



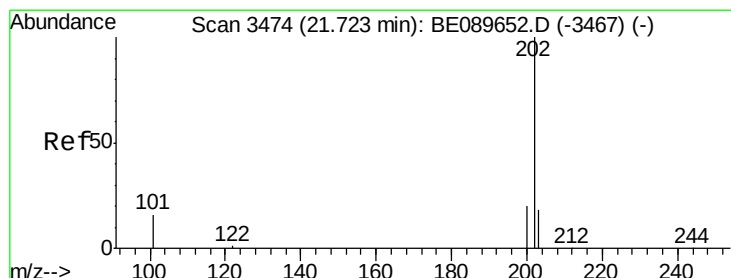
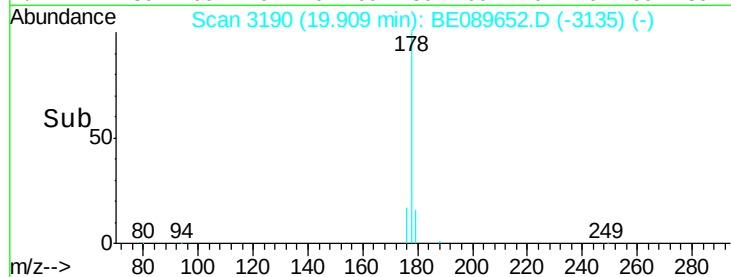
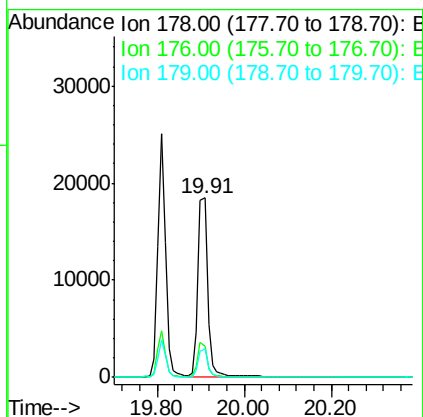
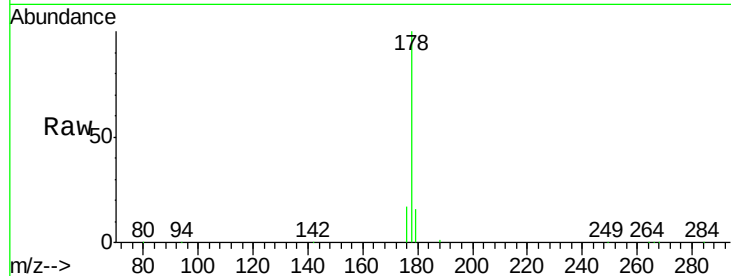
Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E





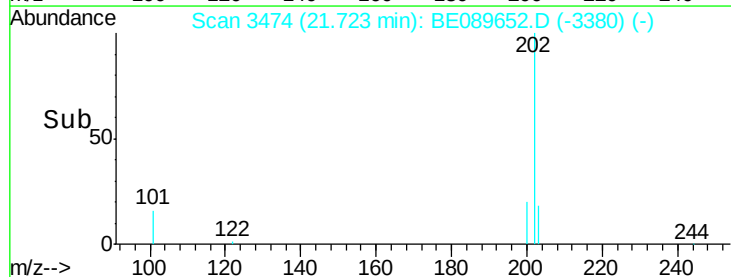
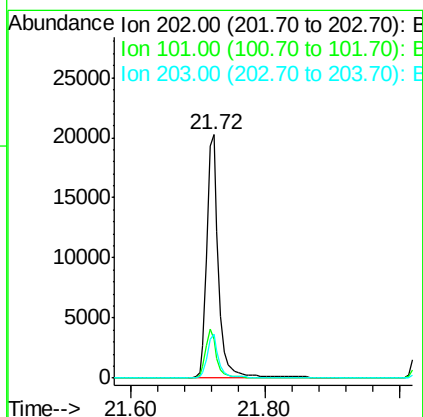
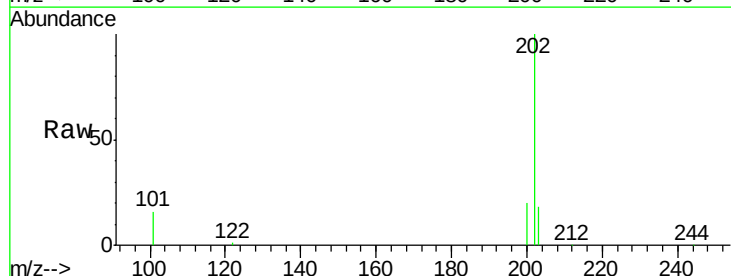
#17
 Anthracene
 Concen: 1.07 ng
 RT: 19.91 min Scan# 3190
 Delta R.T. 0.00 min
 Lab File: BE089652.D
 Acq: 23 Feb 2015 22:12

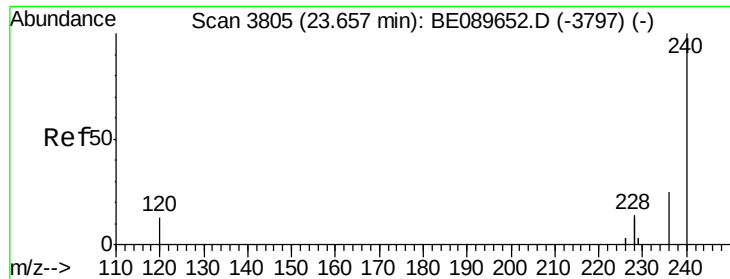
Tgt Ion:178 Resp: 27235
 Ion Ratio Lower Upper
 178 100
 176 17.9 14.3 21.5
 179 15.1 12.1 18.1



#18
 Fluoranthene
 Concen: 1.06 ng
 RT: 21.72 min Scan# 3474
 Delta R.T. 0.00 min
 Lab File: BE089652.D
 Acq: 23 Feb 2015 22:12

Tgt Ion:202 Resp: 24328
 Ion Ratio Lower Upper
 202 100
 101 18.6 14.9 22.3
 203 17.1 13.7 20.5





#19

Chrysene-d12

Concen: 5.00 ng

RT: 23.66 min Scan# 3805

Delta R.T. 0.00 min

Lab File: BE089652.D

Acq: 23 Feb 2015 22:12

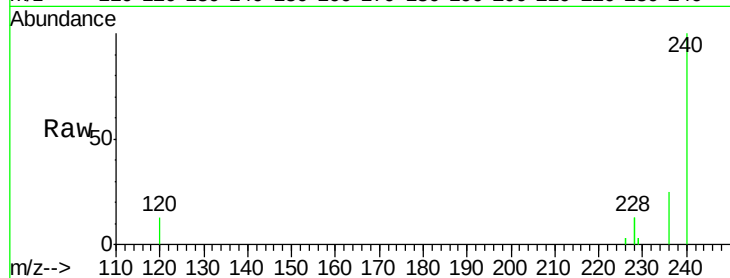
Tgt Ion:240 Resp: 89227

Ion Ratio Lower Upper

240 100

120 13.2 10.6 15.8

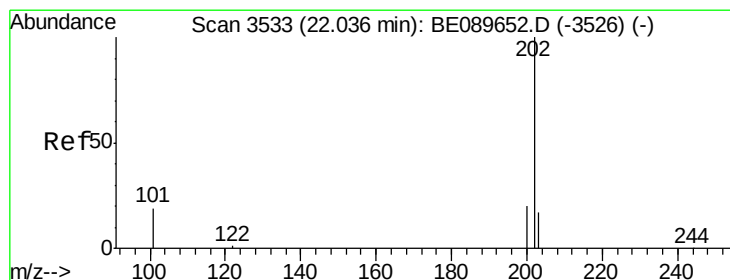
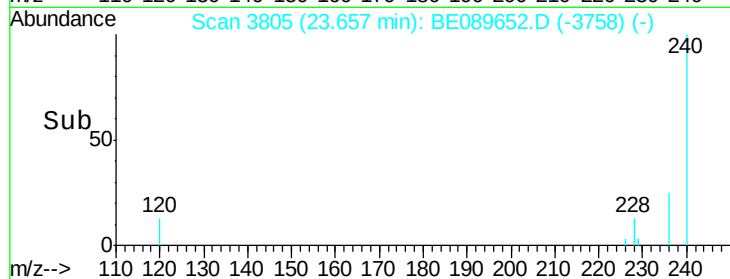
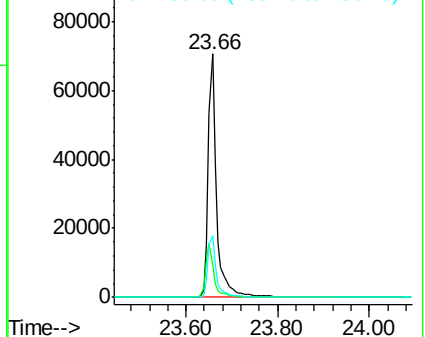
236 25.4 20.3 30.5



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: 0.94 ng

RT: 22.04 min Scan# 3533

Delta R.T. 0.00 min

Lab File: BE089652.D

Acq: 23 Feb 2015 22:12

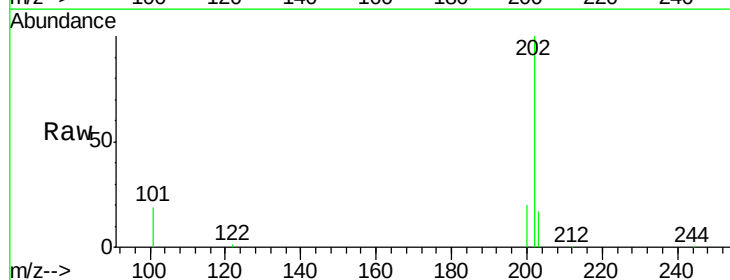
Tgt Ion:202 Resp: 26309

Ion Ratio Lower Upper

202 100

200 20.6 16.5 24.7

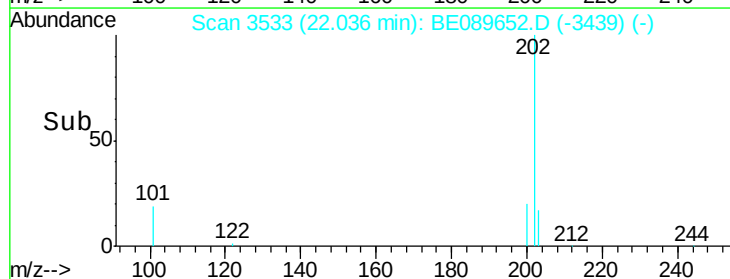
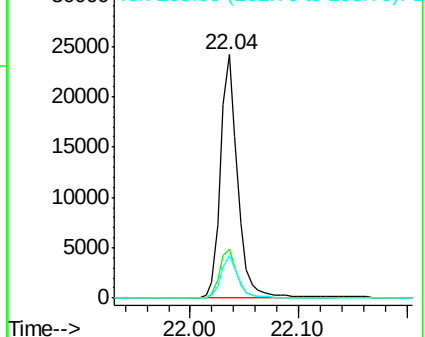
203 17.2 13.8 20.6

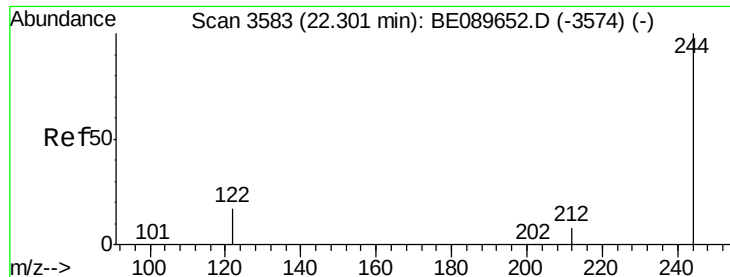


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

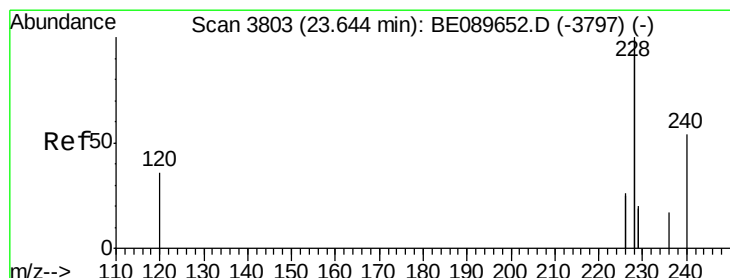
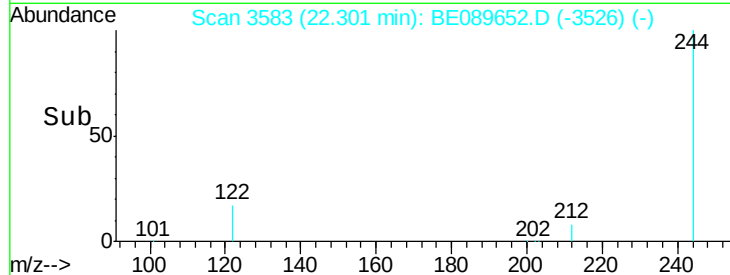
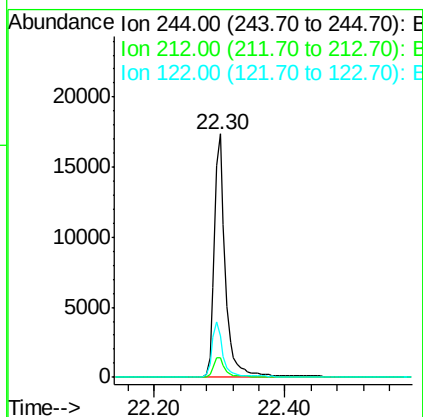
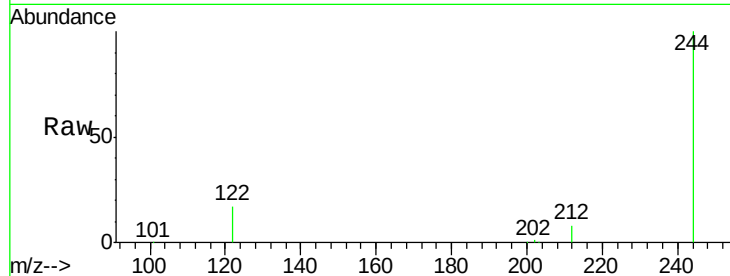
Ion 203.00 (202.70 to 203.70): E





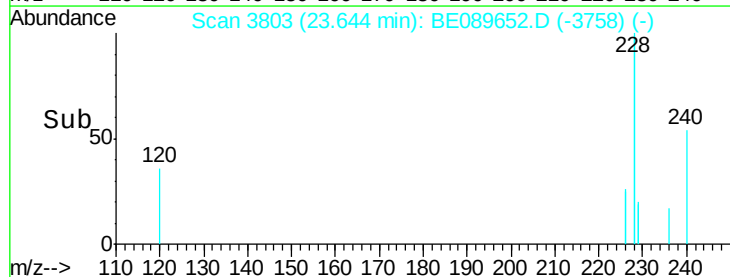
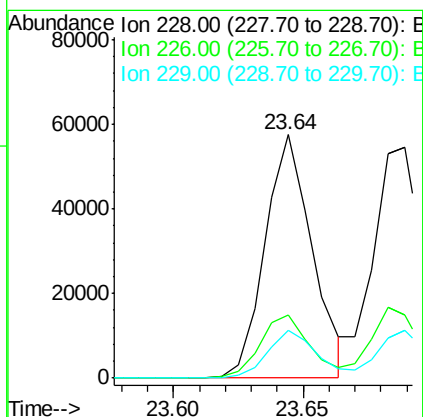
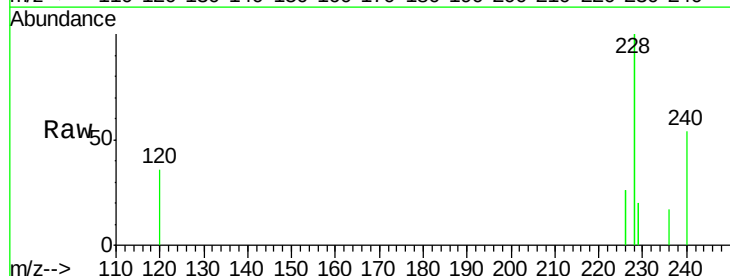
#21
 Terphenyl-d14
 Concen: 1.43 ng
 RT: 22.30 min Scan# 3583
 Delta R.T. 0.00 min
 Lab File: BE089652.D
 Acq: 23 Feb 2015 22:12

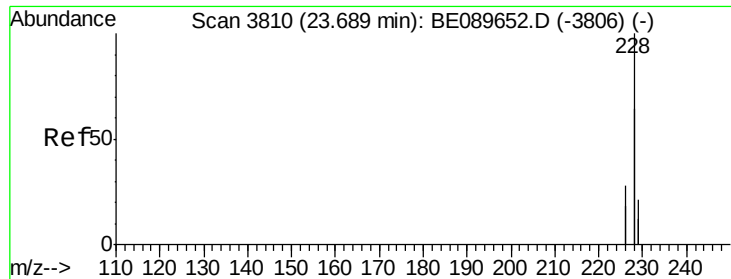
Tgt Ion: 244 Resp: 20608
 Ion Ratio Lower Upper
 244 100
 212 8.3 6.6 10.0
 122 17.1 13.7 20.5



#22
 Benzo(a)anthracene
 Concen: 1.10 ng
 RT: 23.64 min Scan# 3803
 Delta R.T. 0.00 min
 Lab File: BE089652.D
 Acq: 23 Feb 2015 22:12

Tgt Ion: 228 Resp: 71761
 Ion Ratio Lower Upper
 228 100
 226 26.1 20.9 31.3
 229 19.7 15.8 23.6





#23

Chrysene

Concen: 1.00 ng

RT: 23.69 min Scan# 3810

Delta R.T. 0.00 min

Lab File: BE089652.D

Acq: 23 Feb 2015 22:12

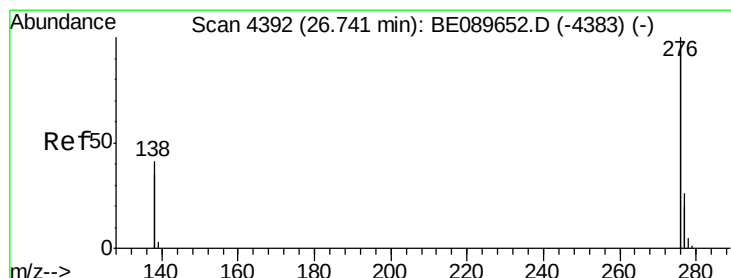
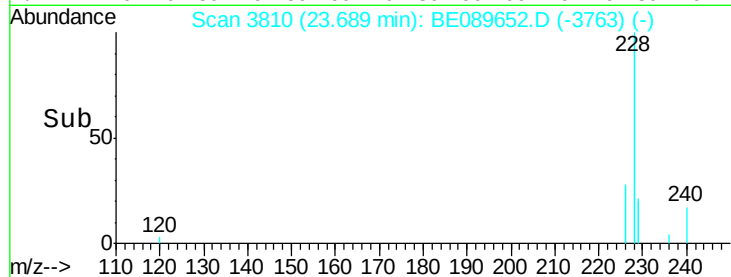
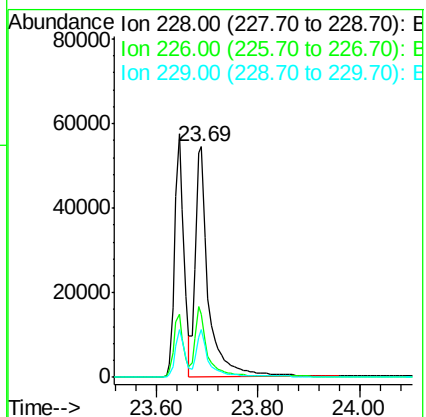
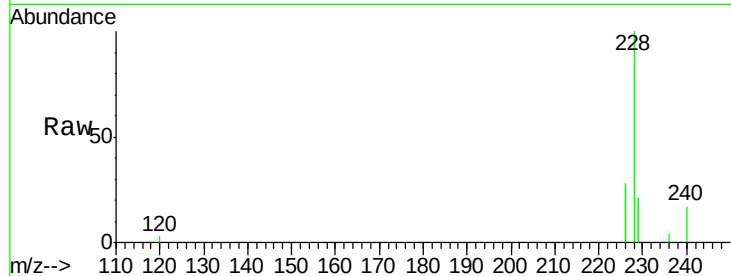
Tgt Ion: 228 Resp: 96724

Ion Ratio Lower Upper

228 100

226 27.5 22.0 33.0

229 20.7 16.6 24.8



#24

Indeno(1,2,3-cd)pyrene

Concen: 1.10 ng

RT: 26.74 min Scan# 4392

Delta R.T. 0.00 min

Lab File: BE089652.D

Acq: 23 Feb 2015 22:12

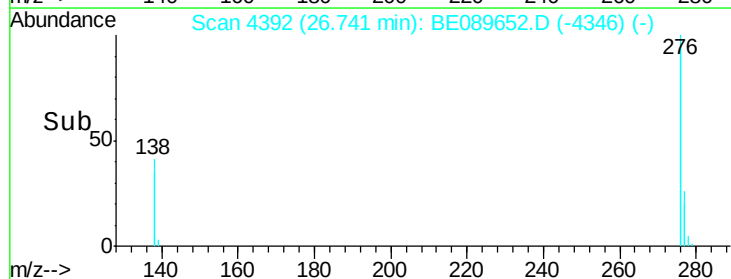
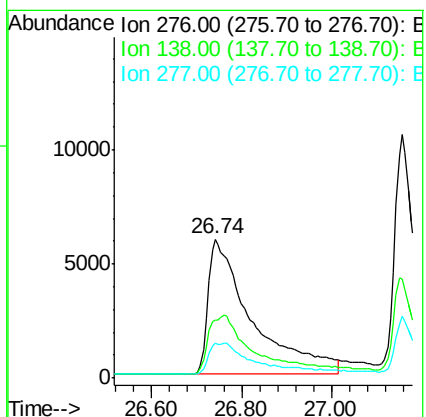
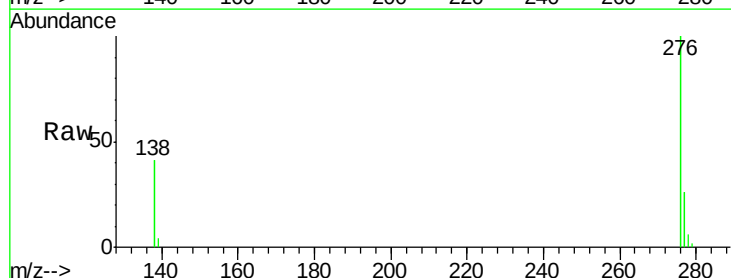
Tgt Ion: 276 Resp: 40013

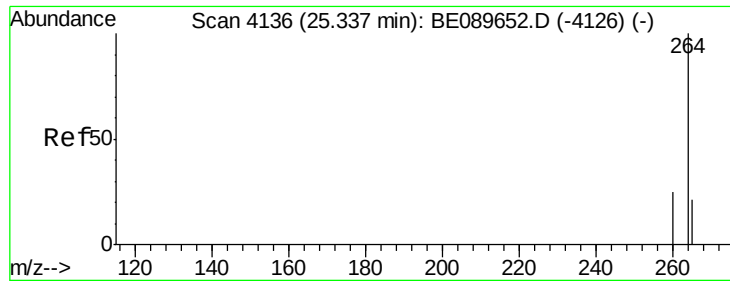
Ion Ratio Lower Upper

276 100

138 45.3 36.2 54.4

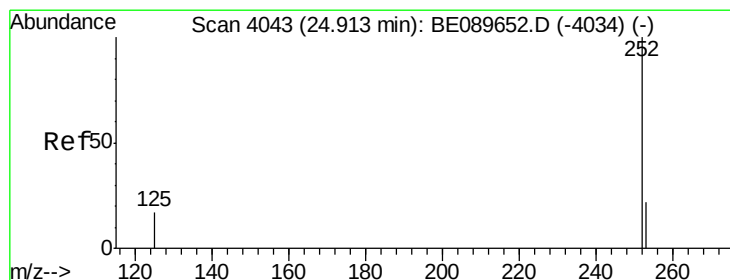
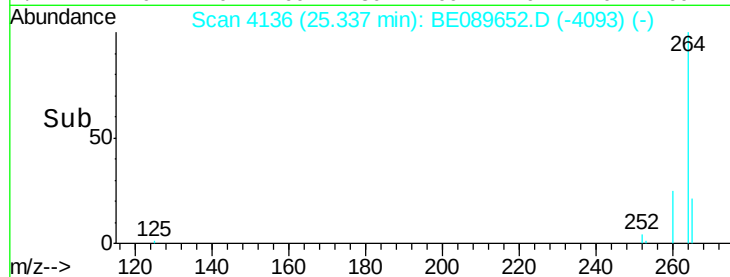
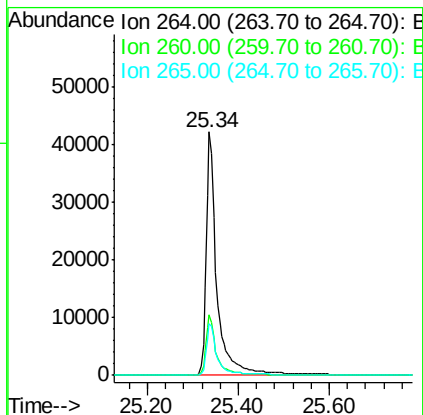
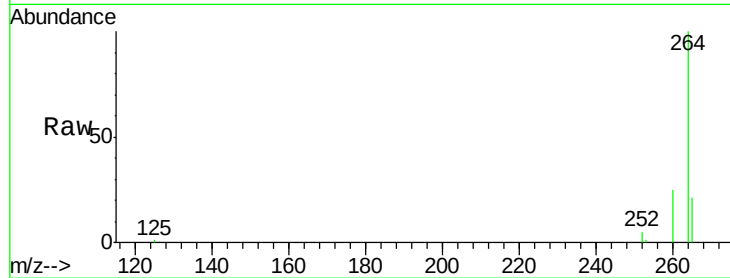
277 6.8 5.4 8.2





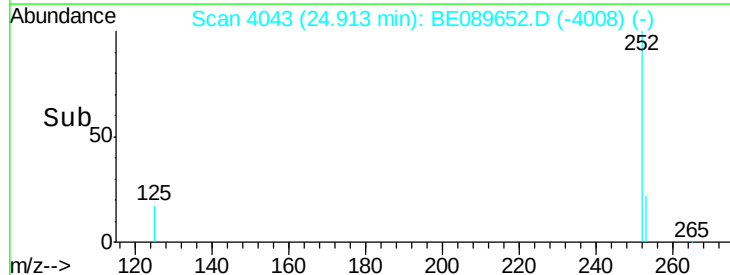
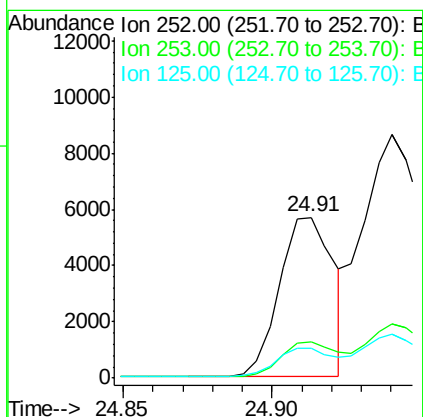
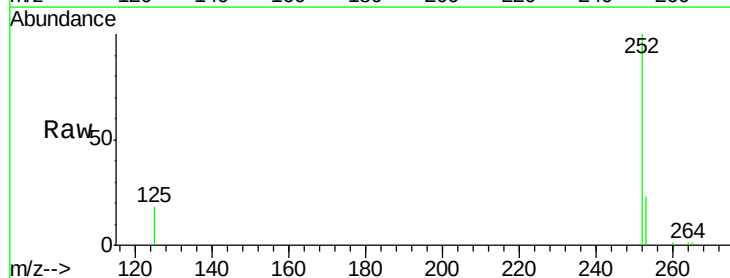
#25
Perylene-d12
 Concen: 5.00 ng
 RT: 25.34 min Scan# 4136
 Delta R.T. 0.00 min
 Lab File: BE089652.D
 Acq: 23 Feb 2015 22:12

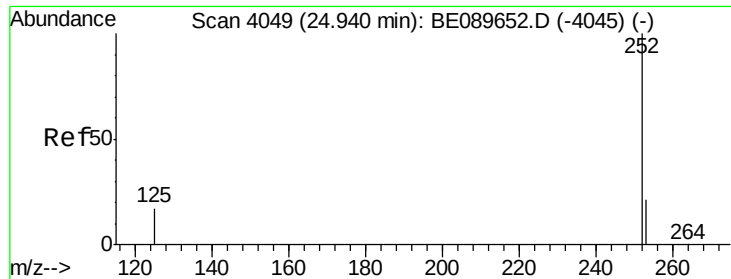
Tgt Ion: 264 Resp: 69150
 Ion Ratio Lower Upper
 264 100
 260 25.0 20.0 30.0
 265 21.0 16.8 25.2



#26
Benzo(b)fluoranthene
 Concen: 1.08 ng
 RT: 24.91 min Scan# 4043
 Delta R.T. 0.00 min
 Lab File: BE089652.D
 Acq: 23 Feb 2015 22:12

Tgt Ion: 252 Resp: 7147
 Ion Ratio Lower Upper
 252 100
 253 22.9 18.3 27.5
 125 18.3 14.6 22.0





#27

Benzo(k)fluoranthene

Concen: 1.28 ng

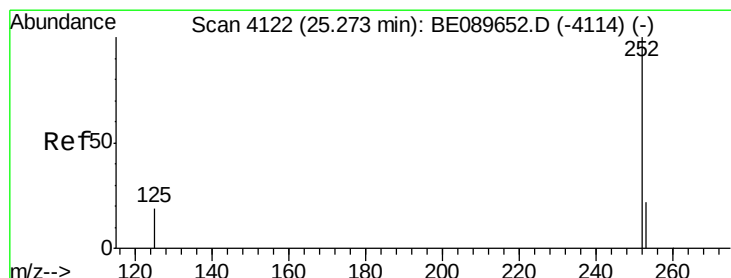
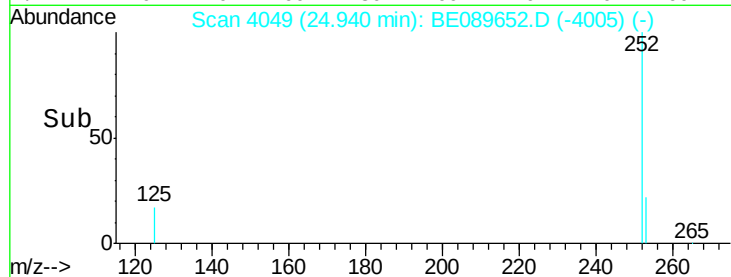
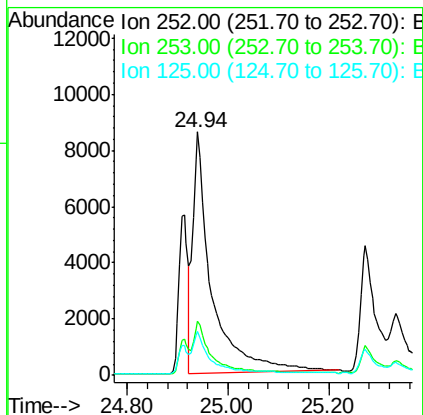
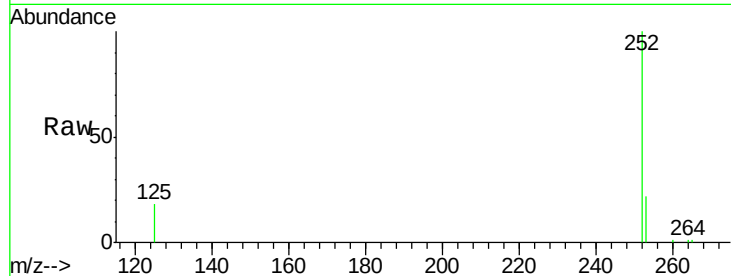
RT: 24.94 min Scan# 4049

Delta R.T. 0.00 min

Lab File: BE089652.D

Acq: 23 Feb 2015 22:12

Tgt Ion:	252	Resp:	22194
Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.8	26.8
125	17.9	14.3	21.5



#28

Benzo(a)pyrene

Concen: 1.14 ng

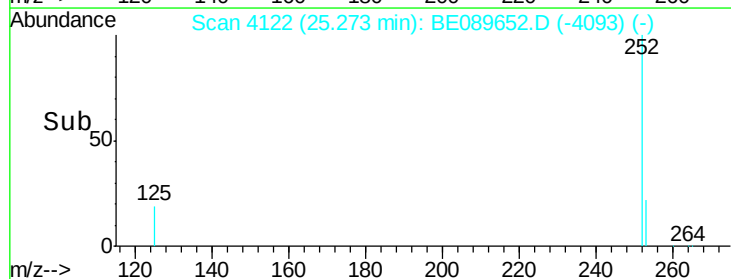
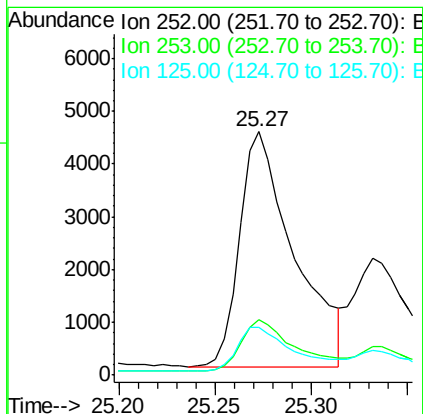
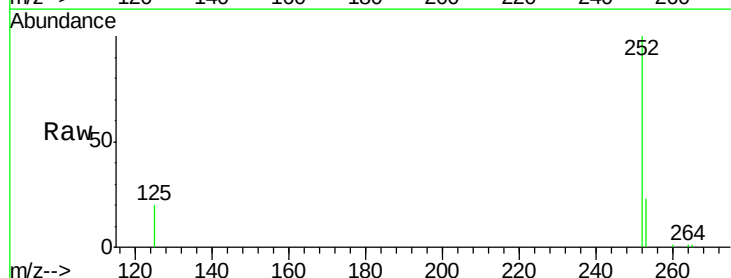
RT: 25.27 min Scan# 4122

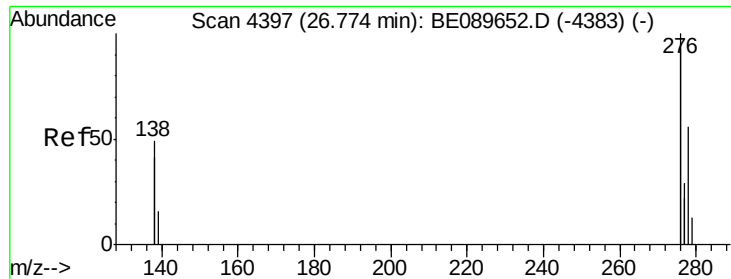
Delta R.T. 0.00 min

Lab File: BE089652.D

Acq: 23 Feb 2015 22:12

Tgt Ion:	252	Resp:	8715
Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.4	27.6
125	19.9	15.9	23.9

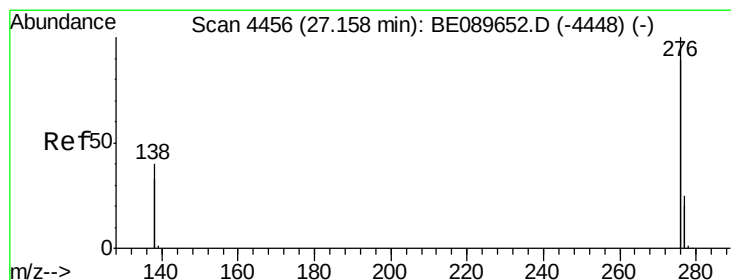
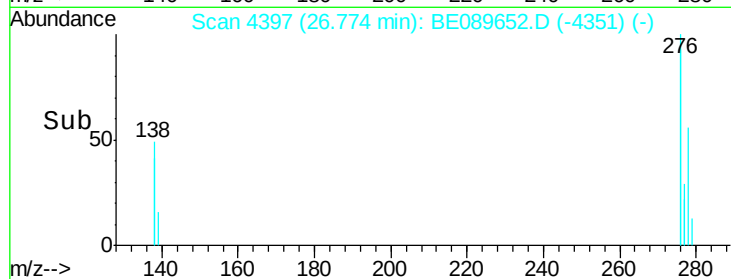
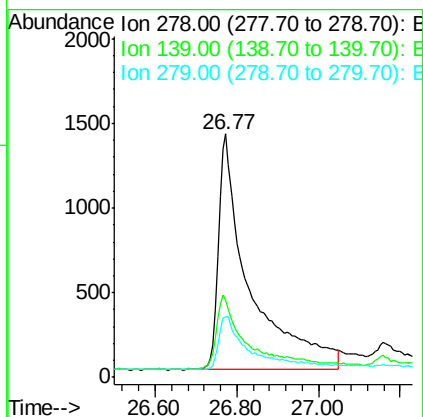
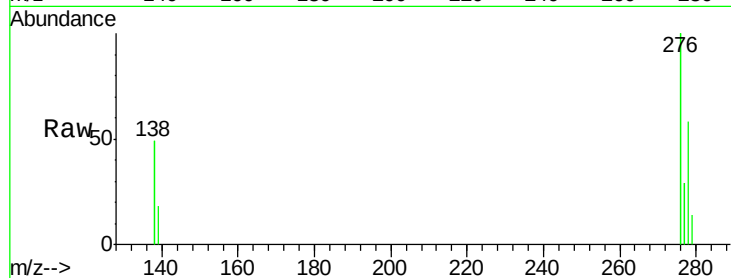




#29
Dibenzo(a,h)anthracene
Concen: 1.15 ng
RT: 26.77 min Scan# 4397
Delta R.T. 0.00 min
Lab File: BE089652.D
Acq: 23 Feb 2015 22:12

Tgt Ion: 278 Resp: 7344

Ion	Ratio	Lower	Upper
278	100		
139	31.8	25.4	38.2
279	25.0	20.0	30.0



#30
Benzo(g,h,i)perylene
Concen: 1.06 ng
RT: 27.16 min Scan# 4456
Delta R.T. 0.00 min
Lab File: BE089652.D
Acq: 23 Feb 2015 22:12

Tgt Ion: 276 Resp: 42118

Ion	Ratio	Lower	Upper
276	100		
277	25.2	20.2	30.2
138	40.5	32.4	48.6

