

Data Path : Z:\HPCHEM1\BNA E\DATA\BE022315\
 Data File : BE089654.D
 Acq On : 23 Feb 2015 23:29
 Operator : TP/JJ
 Sample : SSTDICC005
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Feb 24 03:18:16 2015

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

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.34	152	41455	5.00	ng	0.00
4) Naphthalene-d8	12.24	136	176304	5.00	ng	0.00
8) Acenaphthene-d10	16.42	164	74055	5.00	ng	0.00
13) Phenanthrene-d10	19.77	188	134055	5.00	ng	0.00
19) Chrysene-d12	23.66	240	116610	5.00	ng	0.00
25) Perylene-d12	25.34	264	92624	5.00	ng	0.00

System Monitoring Compounds

5) Nitrobenzene-d5	10.60	82	48432	6.04	ng	0.00
9) 2-Fluorobiphenyl	14.88	172	82923	4.29	ng	0.00
21) Terphenyl-d14	22.30	244	73511	3.92	ng	0.00

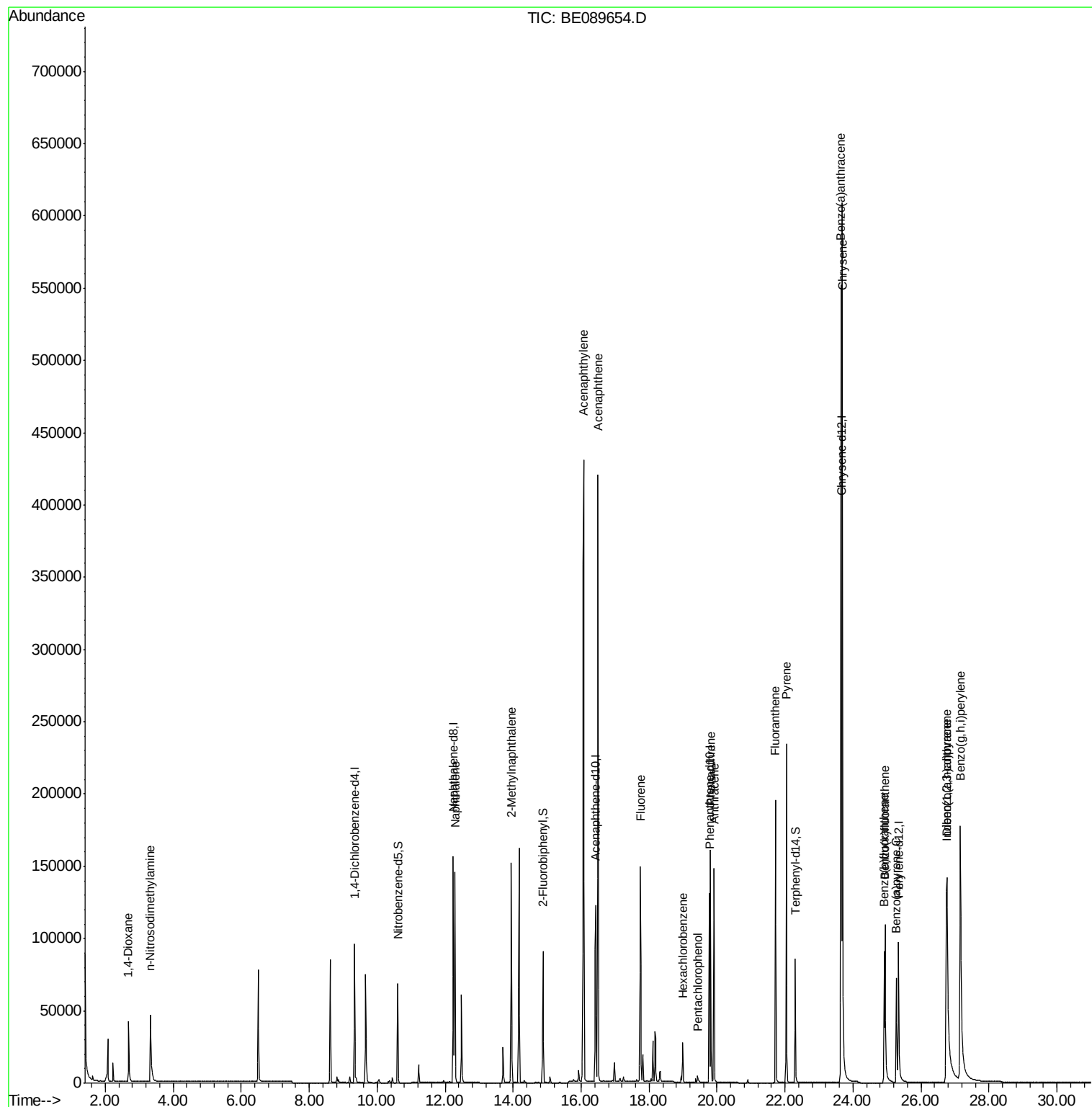
Target Compounds

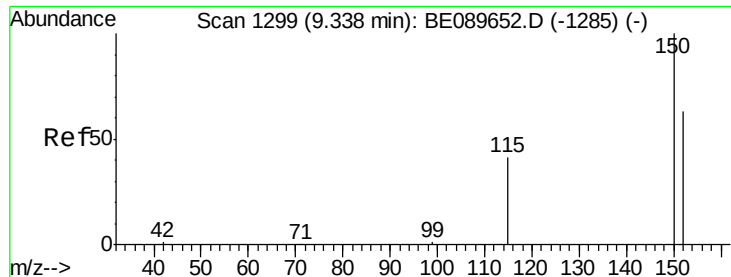
						Ovalue
2) 1,4-Dioxane	2.69	88	25888	3.77	ng	99
3) n-Nitrosodimethylamine	3.32	42	35909	4.91	ng	98
6) Naphthalene	12.29	128	170722	4.26	ng	100
7) 2-Methylnaphthalene	13.95	142	101467	4.50	ng	96
10) Acenaphthylene	16.07	152	584222	4.76	ng	100
11) Acenaphthene	16.49	154	86353	4.40	ng	99
12) Fluorene	17.74	166	99131	4.83	ng	100
14) Hexachlorobenzene	19.00	284	17676	4.27	ng	99
15) Pentachlorophenol	19.43	266	3799	3.69	ng	94
16) Phenanthrene	19.81	178	144431	4.30	ng	100
17) Anthracene	19.91	178	138464	5.10	ng	99
18) Fluoranthene	21.72	202	139425	5.72	ng	100
20) Pyrene	22.04	202	151603	4.14	ng	99
22) Benzo(a)anthracene	23.64	228	459546	5.37	ng	96
23) Chrysene	23.68	228	516361	4.09	ng	95
24) Indeno(1,2,3-cd)pyrene	26.74	276	347354	7.30	ng	# 91
26) Benzo(b)fluoranthene	24.91	252	76153	8.59	ng	97
27) Benzo(k)fluoranthene	24.94	252	128536	5.53	ng	98
28) Benzo(a)pyrene	25.27	252	77200	7.55	ng	97
29) Dibenzo(a,h)anthracene	26.78	278	67169	7.83	ng	94
30) Benzo(g,h,i)perylene	27.16	276	311226	5.85	ng	96

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

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 9.34 min Scan# 1299

Delta R.T. 0.00 min

Lab File: BE089654.D

Acq: 23 Feb 2015 23:29

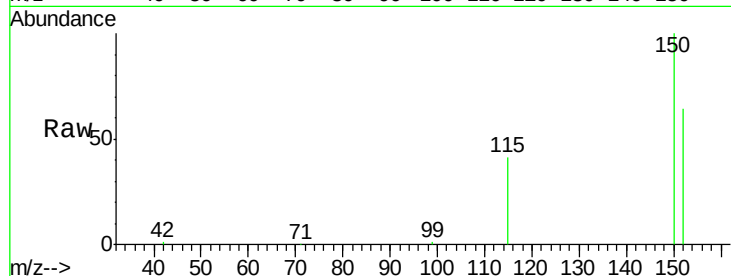
Tot Ion:152 Resp: 41455

Ion Ratio Lower Upper

152 100

150 155.6 127.0 190.6

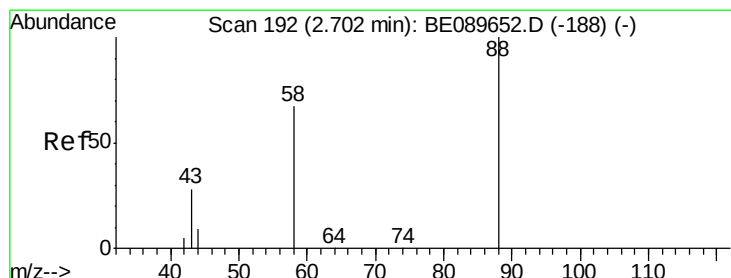
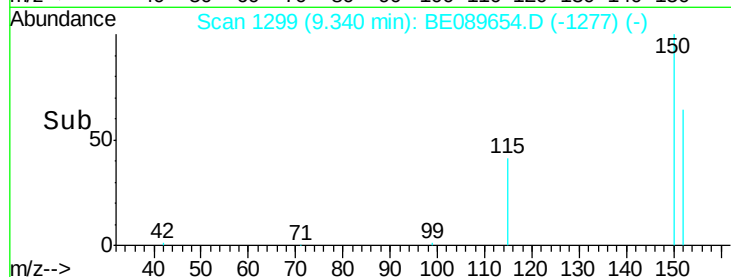
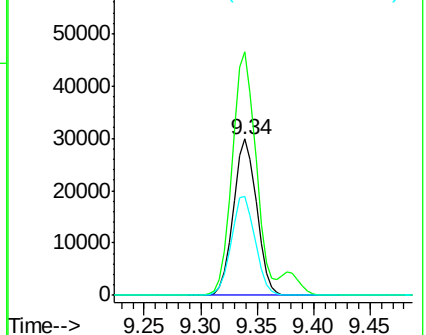
115 63.6 52.4 78.6



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: 3.77 ng

RT: 2.69 min Scan# 190

Delta R.T. -0.01 min

Lab File: BE089654.D

Acq: 23 Feb 2015 23:29

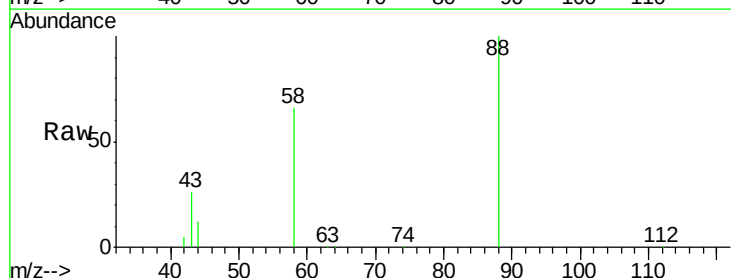
Tgt Ion: 88 Resp: 25888

Ion Ratio Lower Upper

88 100

58 76.7 61.8 92.6

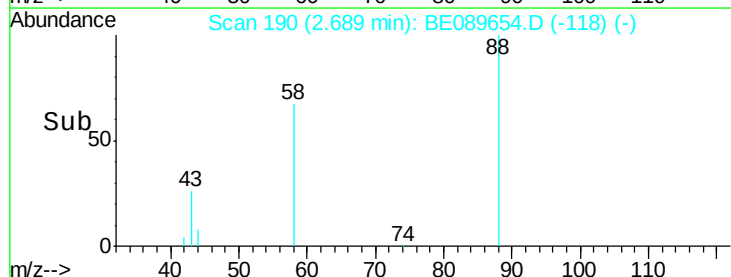
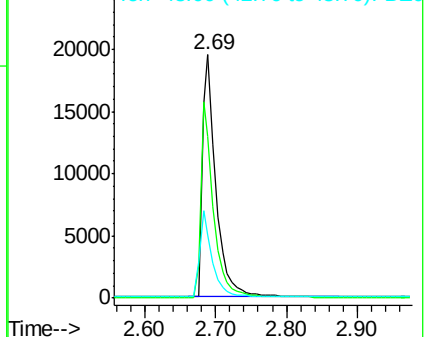
43 33.7 26.4 39.6

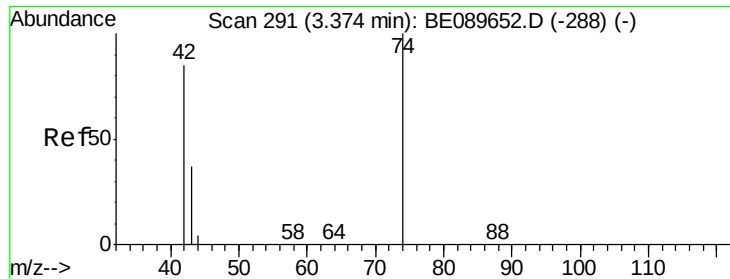


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0

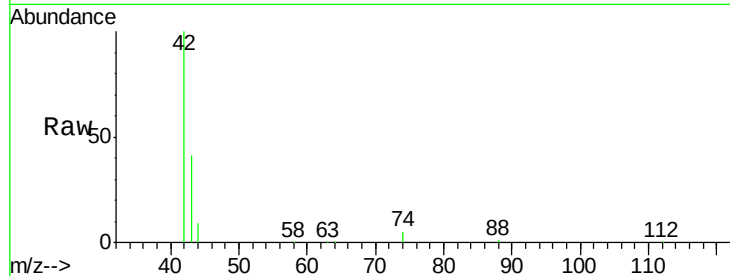




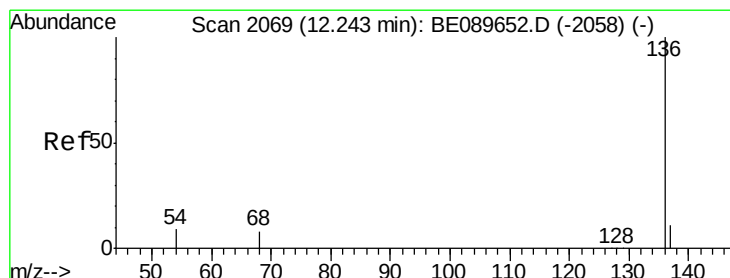
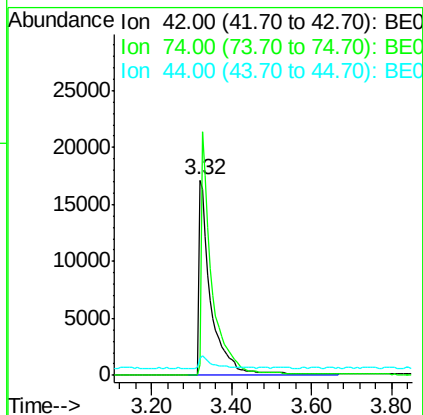
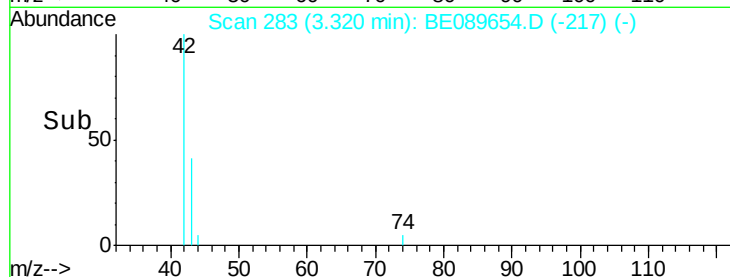
#3

n-Nitrosodimethylamine
 Concen: 4.91 ng
 RT: 3.32 min Scan# 283
 Delta R.T. -0.05 min
 Lab File: BE089654.D
 Acq: 23 Feb 2015 23:29

Tot Ion	42	Resp	35909
Ion Ratio	Lower	Upper	
42	100		
74	113.1	92.5	138.7
44	6.7	4.9	7.3



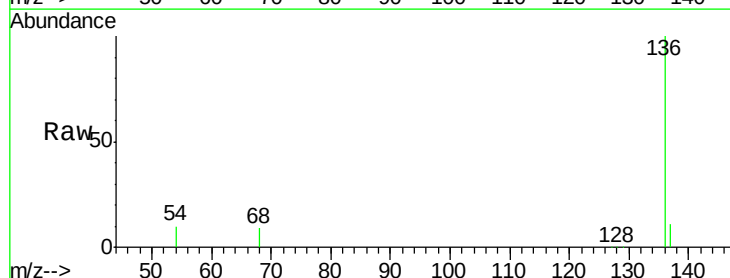
Abundance Ion 42.00 (41.70 to 42.70): BE0
 Ion 74.00 (73.70 to 74.70): BE0
 Ion 44.00 (43.70 to 44.70): BE0



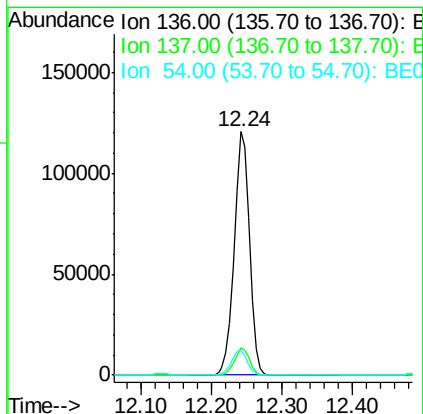
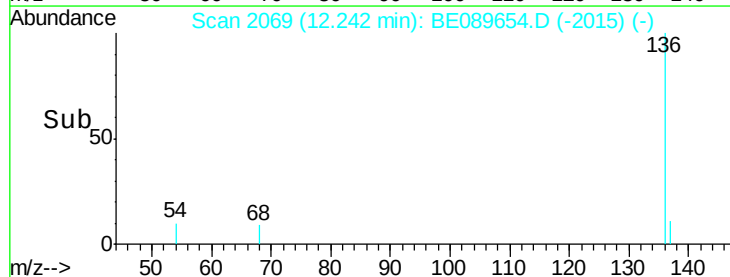
#4

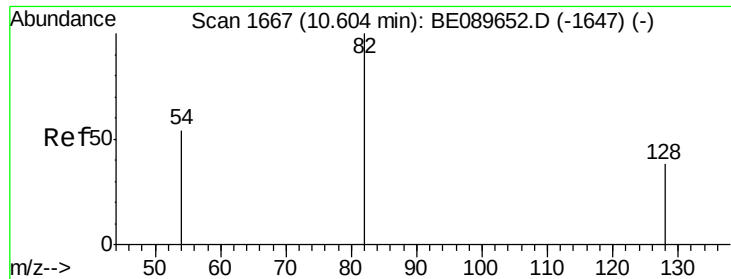
Naphthalene-d8
 Concen: 5.00 ng
 RT: 12.24 min Scan# 2069
 Delta R.T. -0.00 min
 Lab File: BE089654.D
 Acq: 23 Feb 2015 23:29

Tgt Ion	136	Resp	176304
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.7	13.1
54	10.3	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: 6.04 ng

RT: 10.60 min Scan# 1667

Delta R.T. 0.00 min

Lab File: BE089654.D

Acq: 23 Feb 2015 23:29

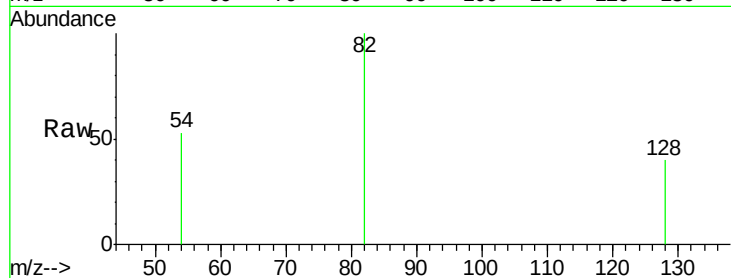
Tot Ion: 82 Resp: 48432

Ion Ratio Lower Upper

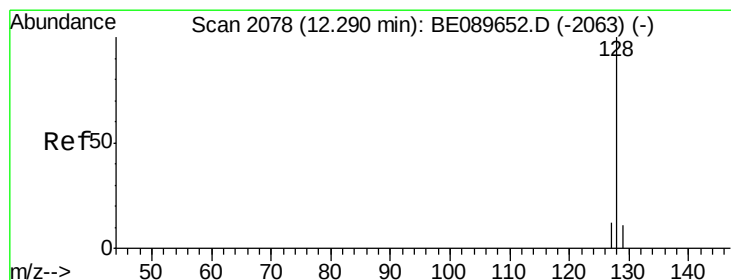
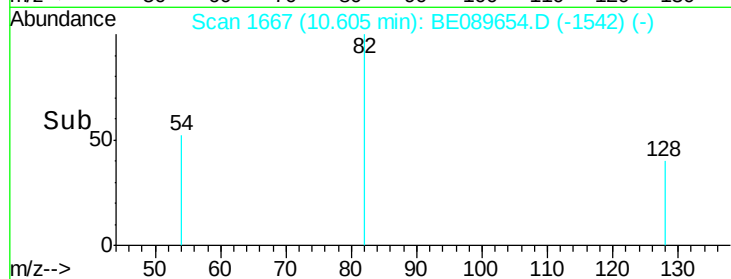
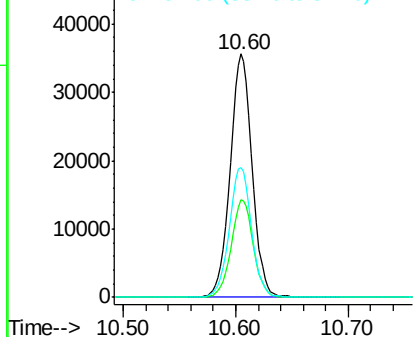
82 100

128 40.0 31.0 46.4

54 53.4 43.8 65.8



Abundance Ion 82.00 (81.70 to 82.70): BE0
Ion 128.00 (127.70 to 128.70): BE0
Ion 54.00 (53.70 to 54.70): BE0



#6

Naphthalene

Concen: 4.26 ng

RT: 12.29 min Scan# 2078

Delta R.T. -0.00 min

Lab File: BE089654.D

Acq: 23 Feb 2015 23:29

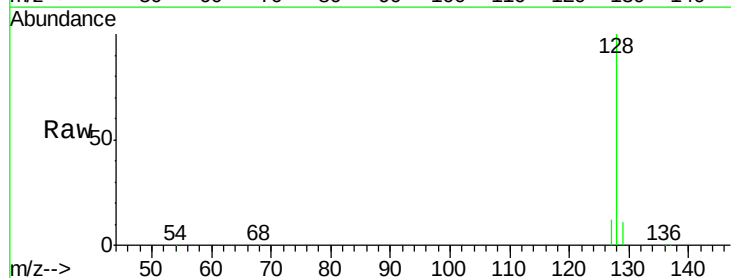
Tgt Ion: 128 Resp: 170722

Ion Ratio Lower Upper

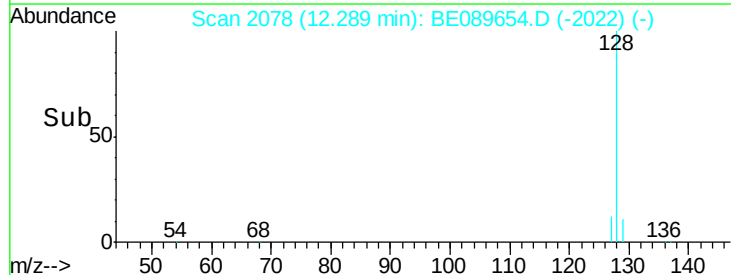
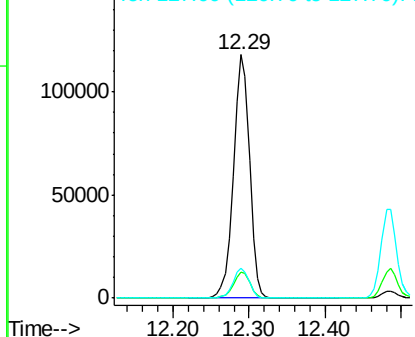
128 100

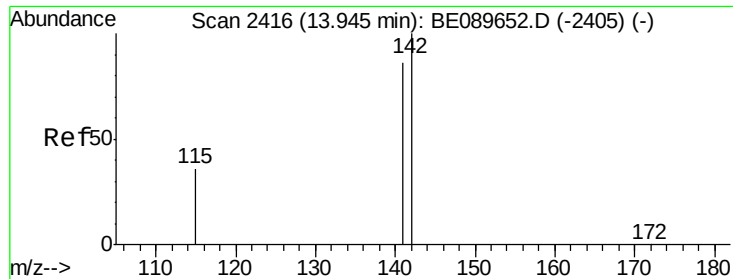
129 10.9 8.8 13.2

127 12.4 9.8 14.6



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E





#7

2-Methylnaphthalene

Concen: 4.50 ng

RT: 13.95 min Scan# 2417

Delta R.T. 0.00 min

Lab File: BE089654.D

Acq: 23 Feb 2015 23:29

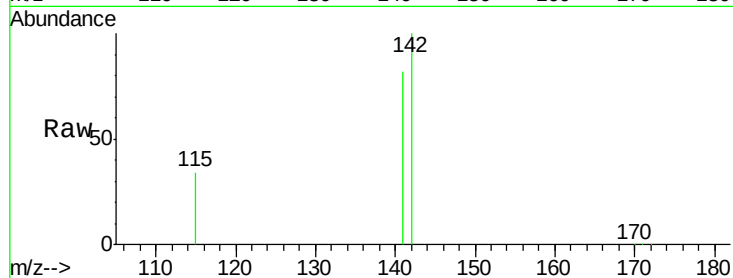
Tot Ion:142 Resp: 101467

Ion Ratio Lower Upper

142 100

141 82.4 68.6 103.0

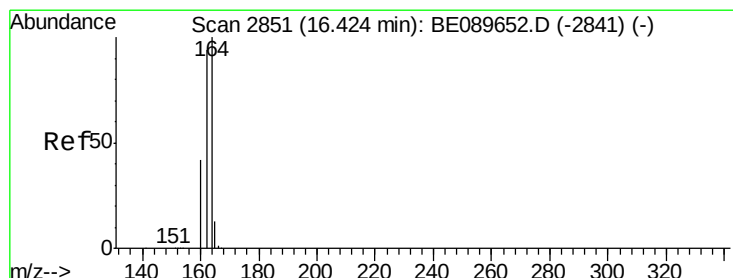
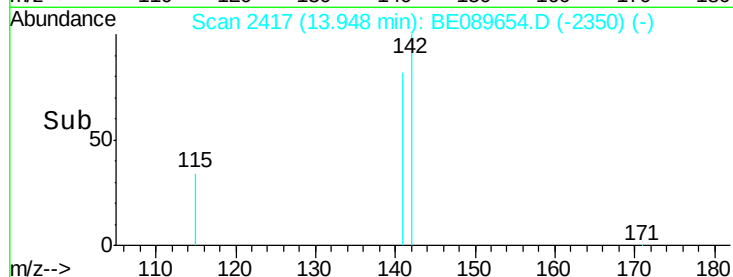
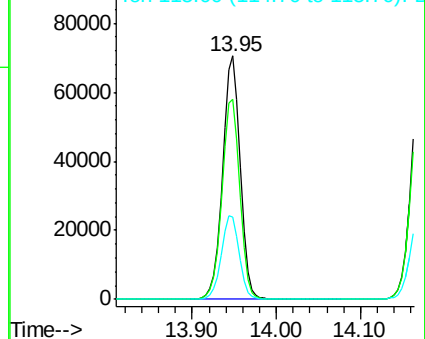
115 33.9 29.0 43.6



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# 2852

Delta R.T. -0.00 min

Lab File: BE089654.D

Acq: 23 Feb 2015 23:29

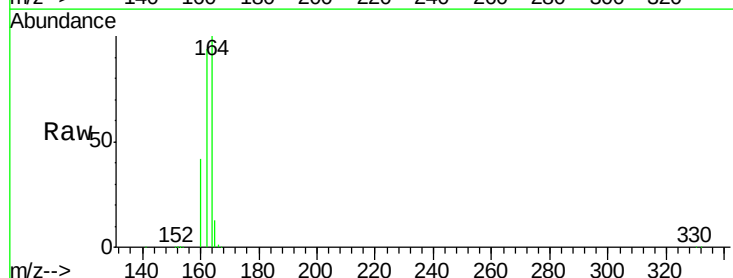
Tgt Ion:164 Resp: 74055

Ion Ratio Lower Upper

164 100

162 94.0 75.4 113.2

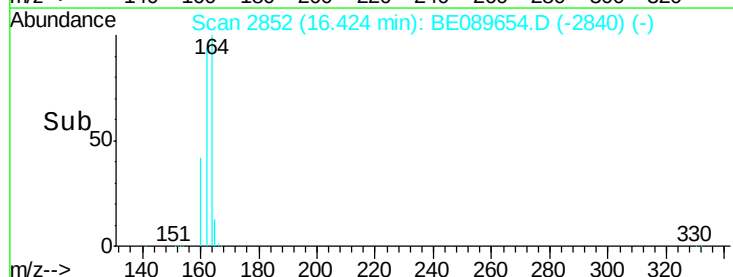
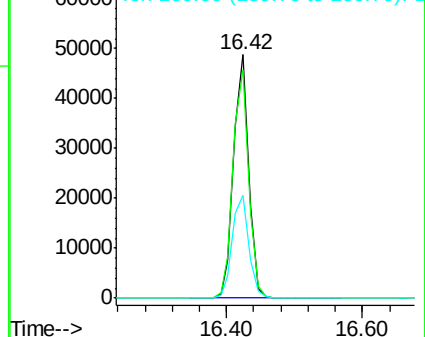
160 42.2 33.7 50.5

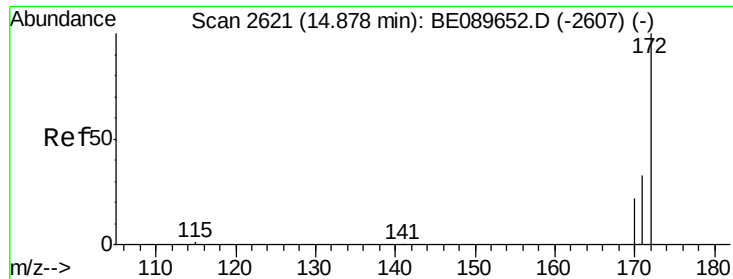


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

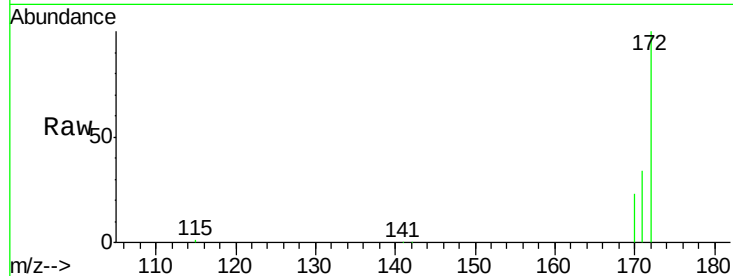
Ion 160.00 (159.70 to 160.70): E



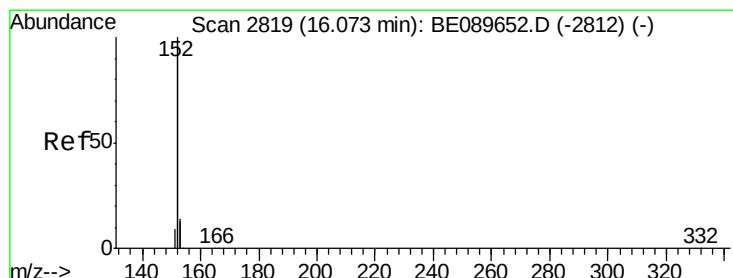
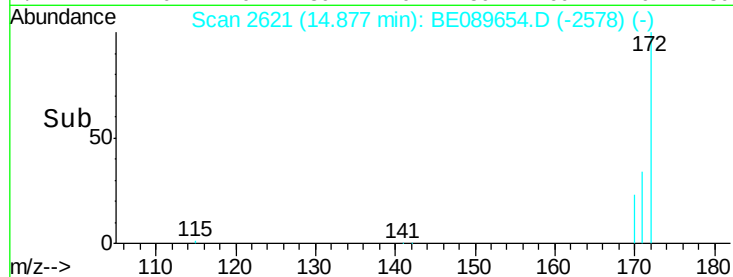
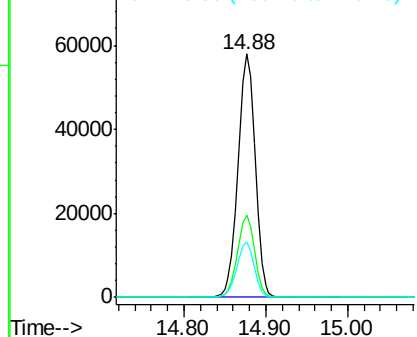


#9
2-Fluorobiphenyl
Concen: 4.29 ng
RT: 14.88 min Scan# 2621
Delta R.T. -0.00 min
Lab File: BE089654.D
Acq: 23 Feb 2015 23:29

Tot Ion	Ratio	Lower	Upper
172	100		
171	33.7	26.2	39.4
170	22.8	17.7	26.5

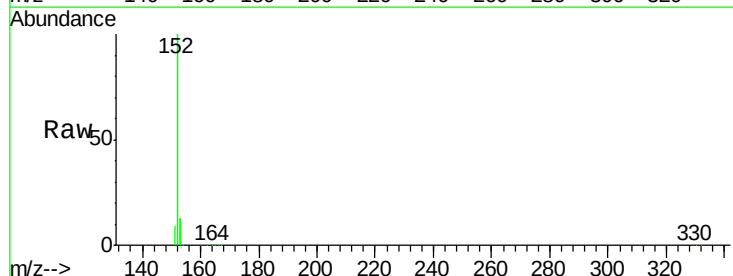


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

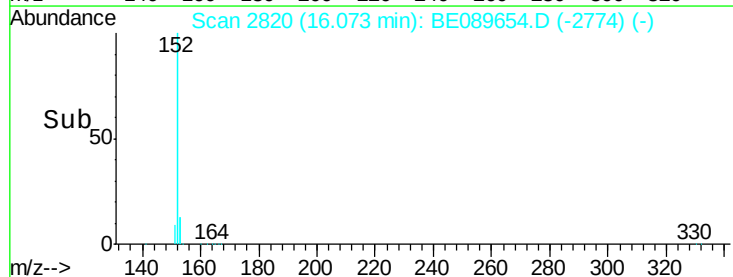
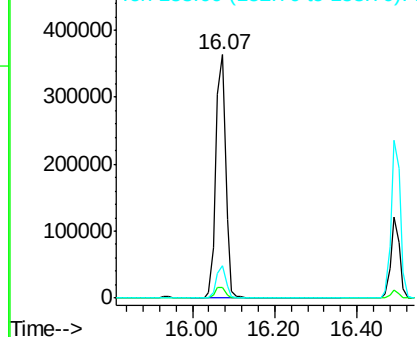


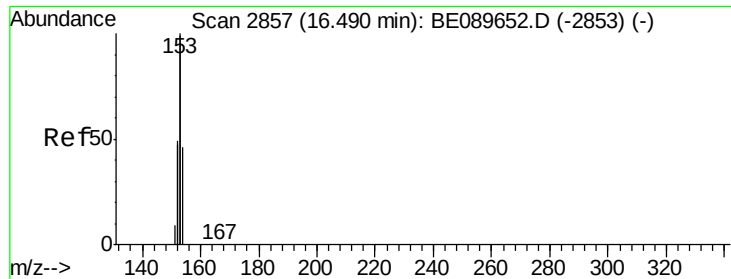
#10
Acenaphthylene
Concen: 4.76 ng
RT: 16.07 min Scan# 2820
Delta R.T. -0.00 min
Lab File: BE089654.D
Acq: 23 Feb 2015 23:29

Tgt Ion	Ratio	Lower	Upper
152	100		
151	4.8	3.8	5.6
153	13.0	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: 4.40 ng

RT: 16.49 min Scan# 2858

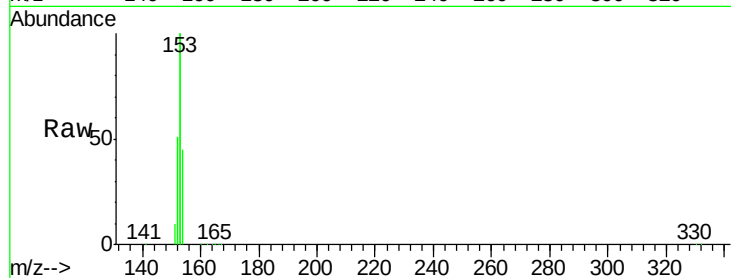
Delta R.T. -0.00 min

Lab File: BE089654.D

Acq: 23 Feb 2015 23:29

Tot Ion:154 Resp: 86353

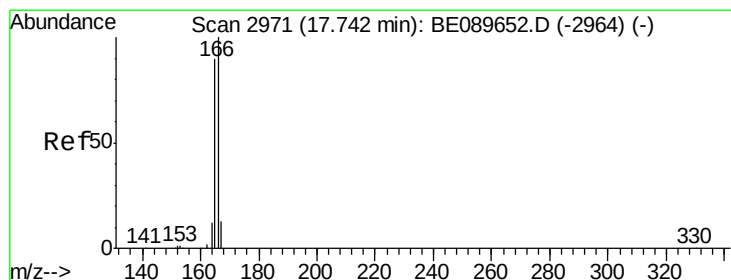
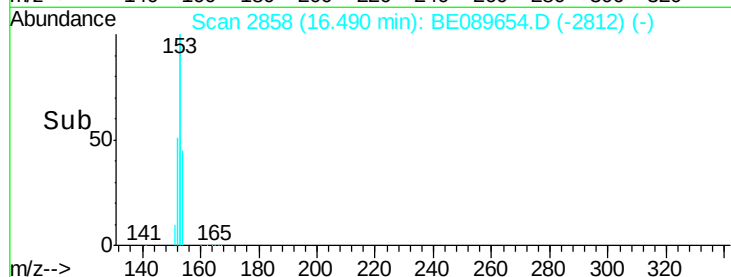
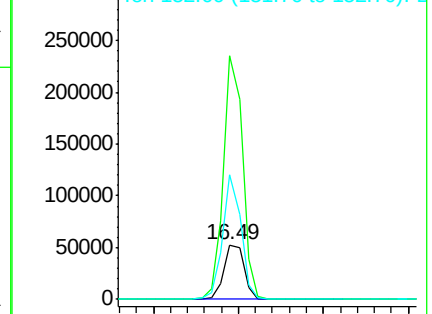
Ion	Ratio	Lower	Upper
154	100		
153	426.1	343.0	514.4
152	207.3	165.8	248.8



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: 4.83 ng

RT: 17.74 min Scan# 2972

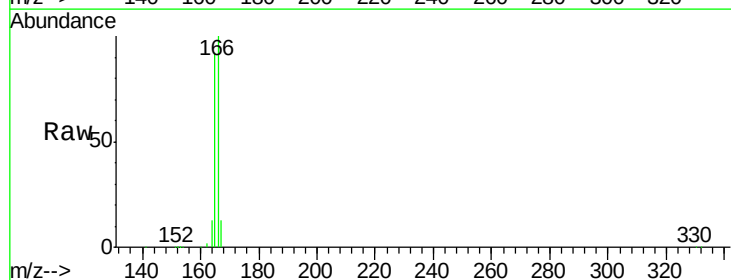
Delta R.T. -0.00 min

Lab File: BE089654.D

Acq: 23 Feb 2015 23:29

Tgt Ion:166 Resp: 99131

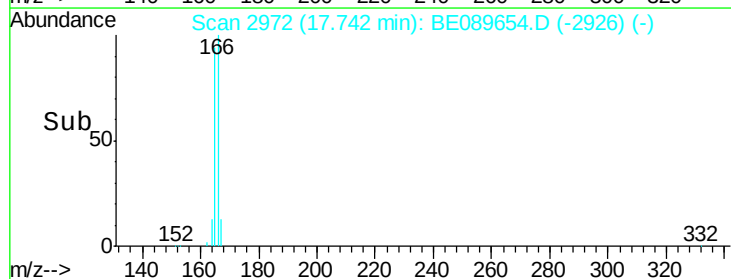
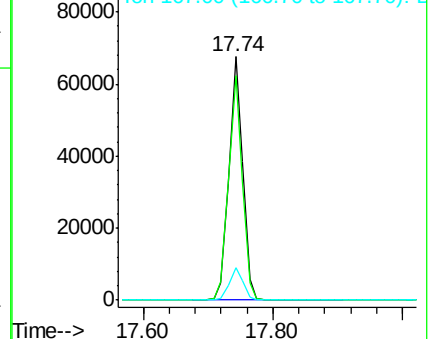
Ion	Ratio	Lower	Upper
166	100		
165	92.5	73.6	110.4
167	13.2	10.5	15.7

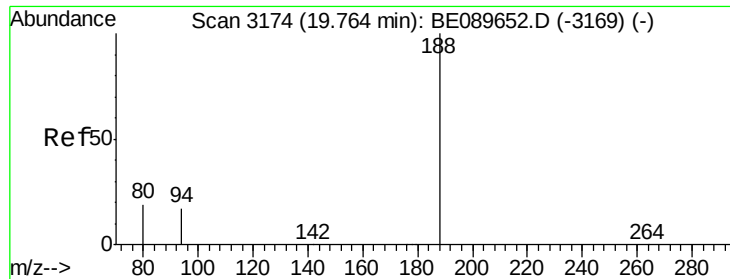


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

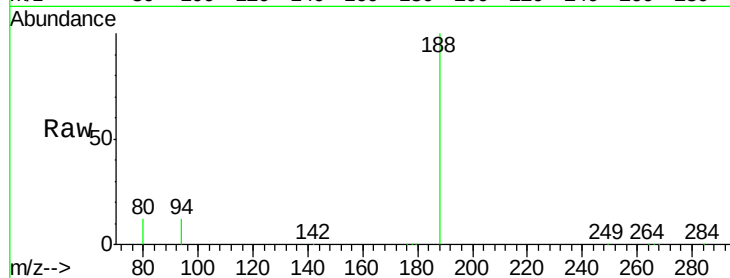
Ion 167.00 (166.70 to 167.70): E



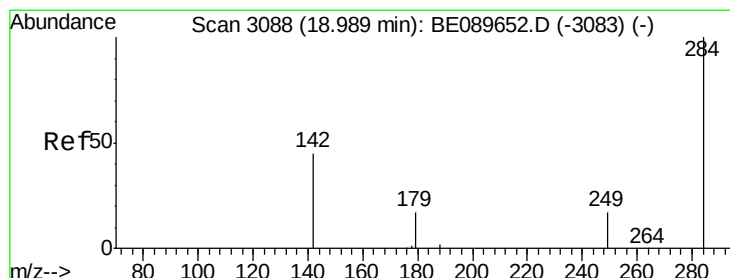
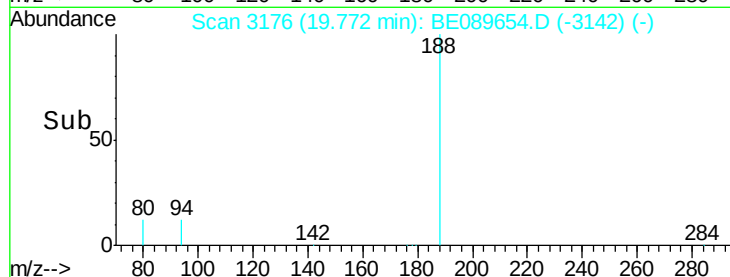
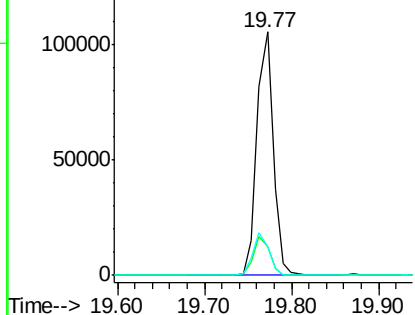


#13
Phenanthrene-d10
Concen: 5.00 ng
RT: 19.77 min Scan# 3176
Delta R.T. 0.01 min
Lab File: BE089654.D
Acq: 23 Feb 2015 23:29

Tot Ion:188 Resp: 134055
Ion Ratio Lower Upper
188 100
94 12.0 13.8 20.8#
80 11.9 15.0 22.6#

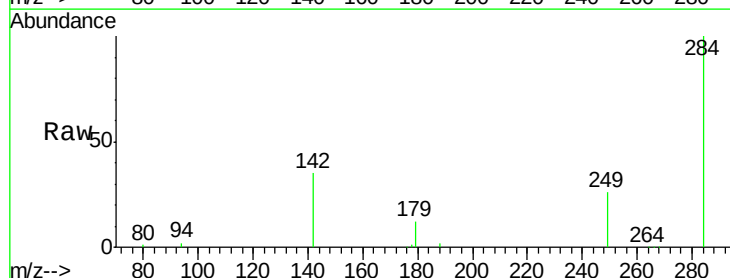


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BE0
Ion 80.00 (79.70 to 80.70): BE0

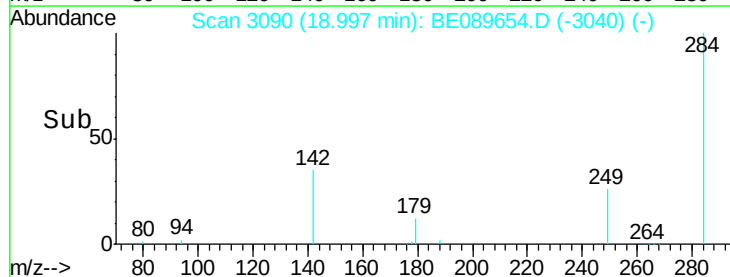
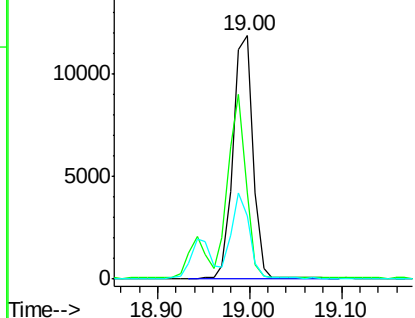


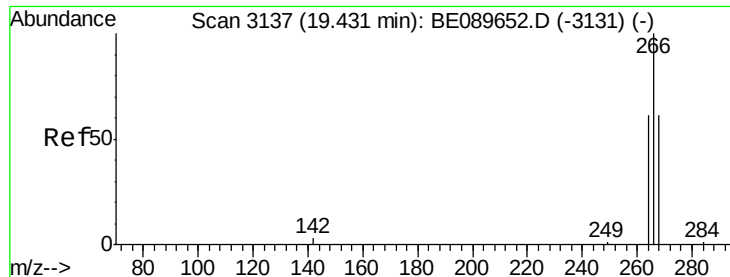
#14
Hexachlorobenzene
Concen: 4.27 ng
RT: 19.00 min Scan# 3090
Delta R.T. 0.01 min
Lab File: BE089654.D
Acq: 23 Feb 2015 23:29

Tgt Ion:284 Resp: 17676
Ion Ratio Lower Upper
284 100
142 68.1 55.0 82.6
249 31.1 26.1 39.1



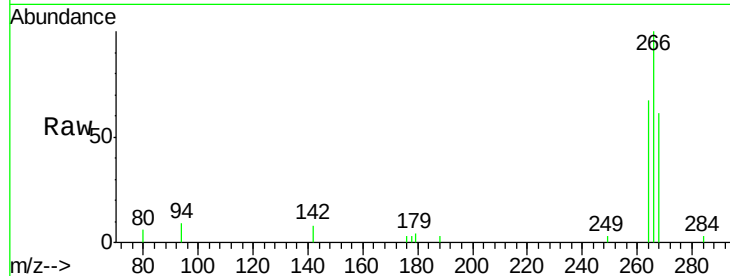
Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E



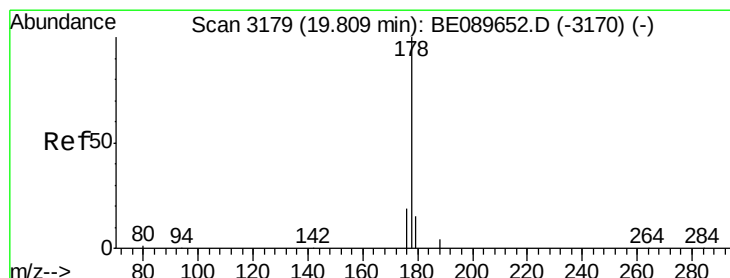
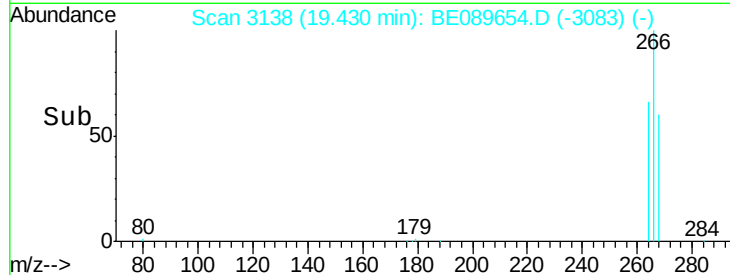
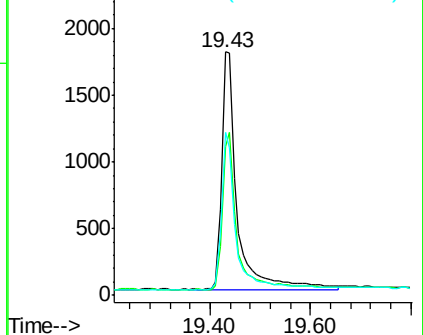


#15
 Pentachlorophenol
 Concen: 3.69 ng
 RT: 19.43 min Scan# 3138
 Delta R.T. -0.00 min
 Lab File: BE089654.D
 Acq: 23 Feb 2015 23:29

Tot Ion:266 Resp: 3799
 Ion Ratio Lower Upper
 266 100
 268 61.3 54.7 82.1
 264 66.8 55.4 83.0

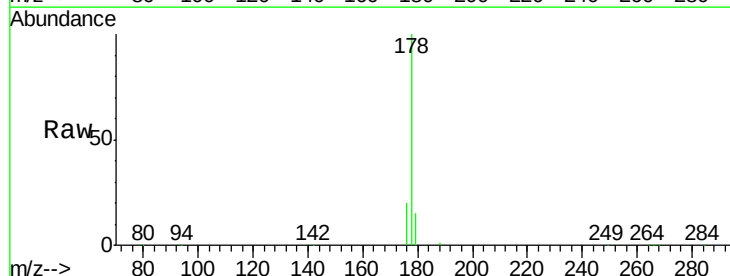


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

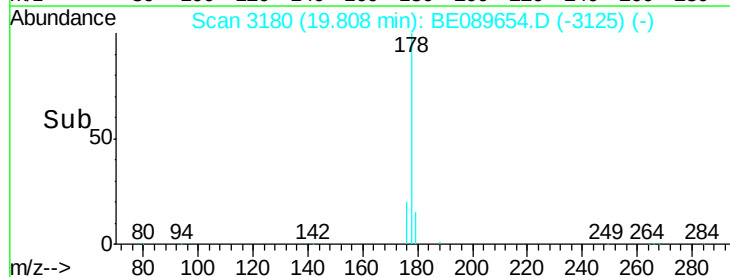
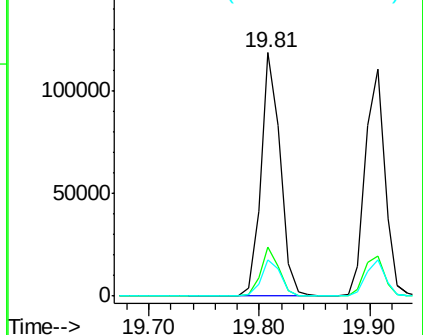


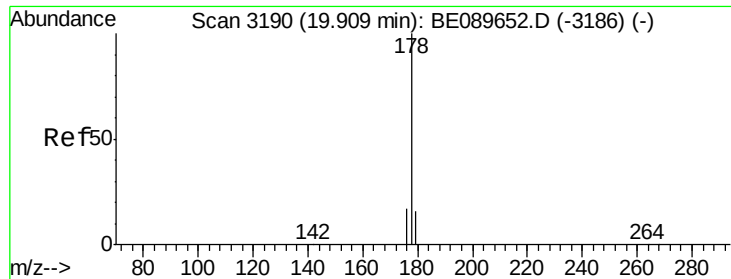
#16
 Phenanthrene
 Concen: 4.30 ng
 RT: 19.81 min Scan# 3180
 Delta R.T. -0.00 min
 Lab File: BE089654.D
 Acq: 23 Feb 2015 23:29

Tgt Ion:178 Resp: 144431
 Ion Ratio Lower Upper
 178 100
 176 19.2 15.3 22.9
 179 15.4 12.3 18.5



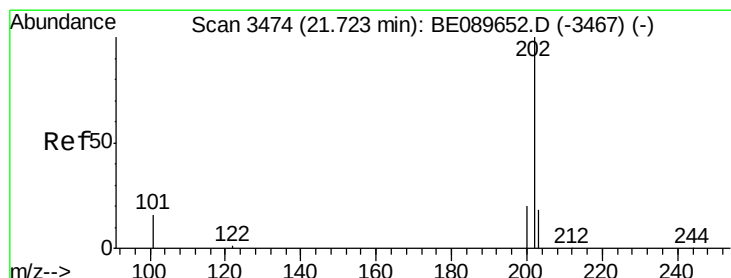
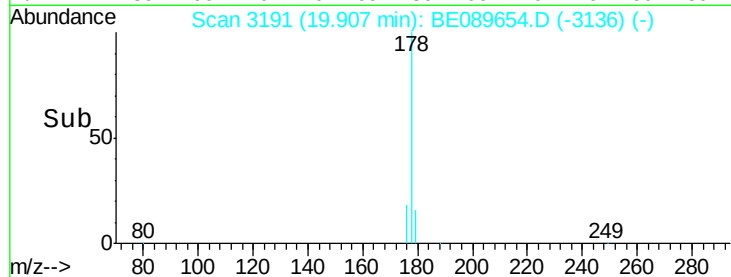
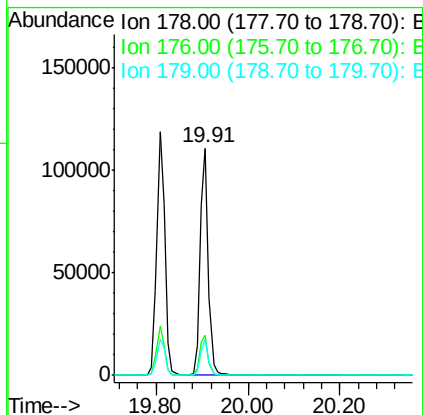
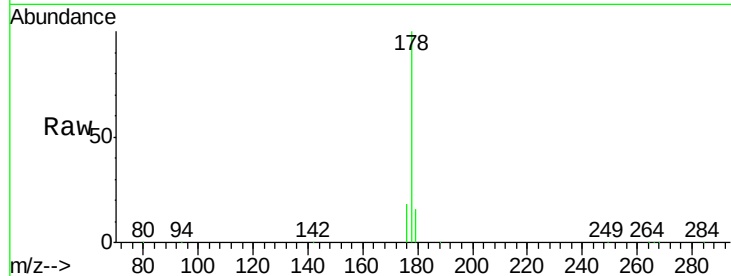
Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E





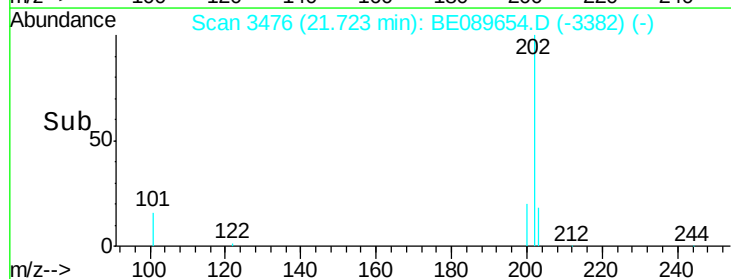
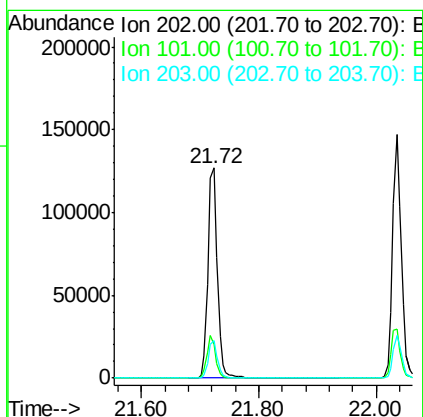
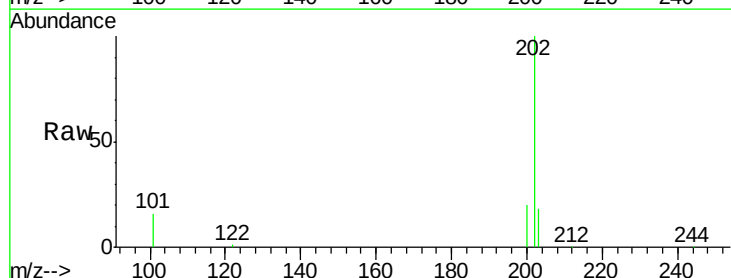
#17
 Anthracene
 Concen: 5.10 ng
 RT: 19.91 min Scan# 3191
 Delta R.T. -0.00 min
 Lab File: BE089654.D
 Acq: 23 Feb 2015 23:29

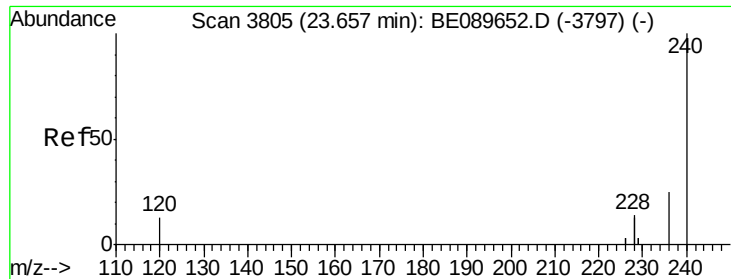
Tot Ion:178 Resp: 138464
 Ion Ratio Lower Upper
 178 100
 176 18.4 14.3 21.5
 179 15.4 12.1 18.1



#18
 Fluoranthene
 Concen: 5.72 ng
 RT: 21.72 min Scan# 3476
 Delta R.T. 0.00 min
 Lab File: BE089654.D
 Acq: 23 Feb 2015 23:29

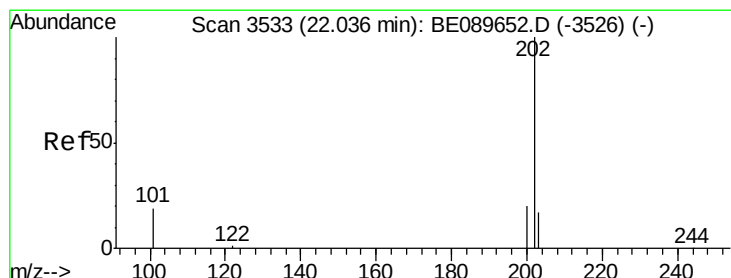
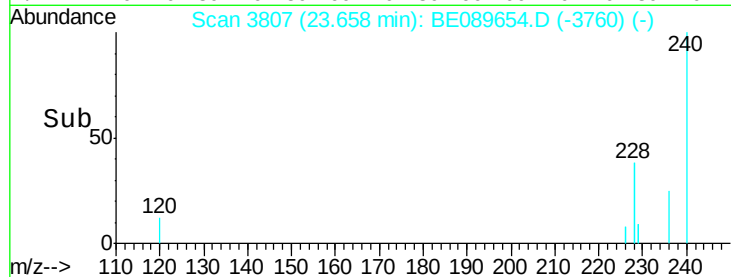
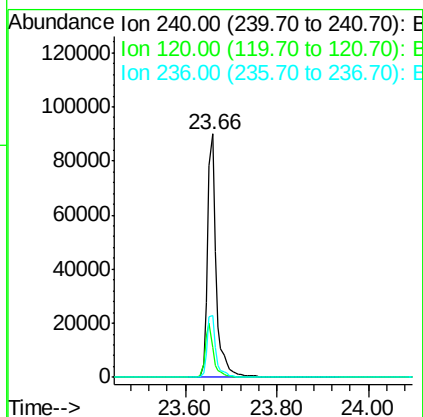
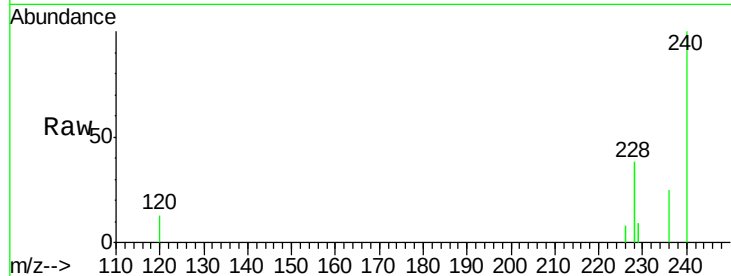
Tgt Ion:202 Resp: 139425
 Ion Ratio Lower Upper
 202 100
 101 18.7 14.9 22.3
 203 17.3 13.7 20.5





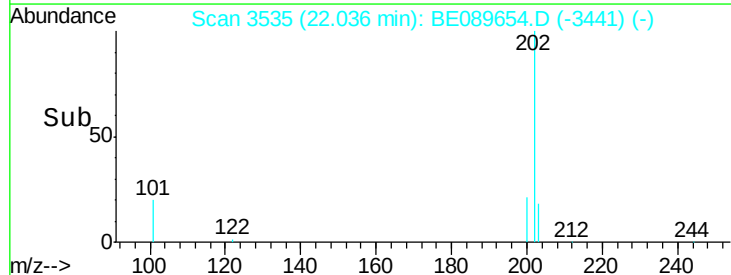
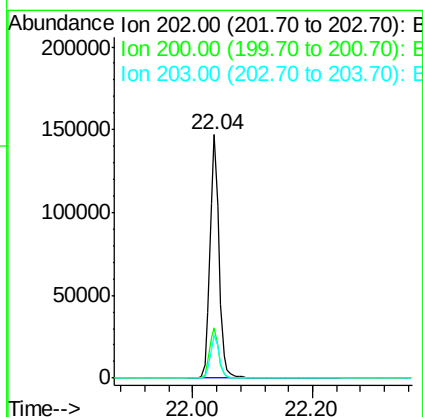
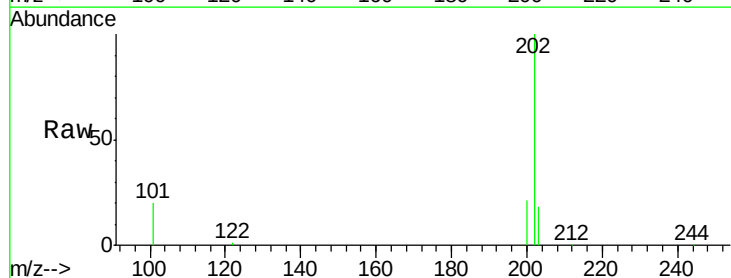
#19
Chrysene-d12
Concen: 5.00 ng
RT: 23.66 min Scan# 3807
Delta R.T. 0.00 min
Lab File: BE089654.D
Acq: 23 Feb 2015 23:29

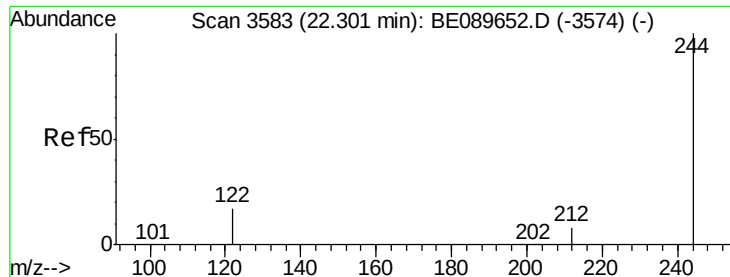
Tot Ion:240 Resp: 116610
Ion Ratio Lower Upper
240 100
120 12.5 10.6 15.8
236 25.3 20.3 30.5



#20
Pyrene
Concen: 4.14 ng
RT: 22.04 min Scan# 3535
Delta R.T. -0.00 min
Lab File: BE089654.D
Acq: 23 Feb 2015 23:29

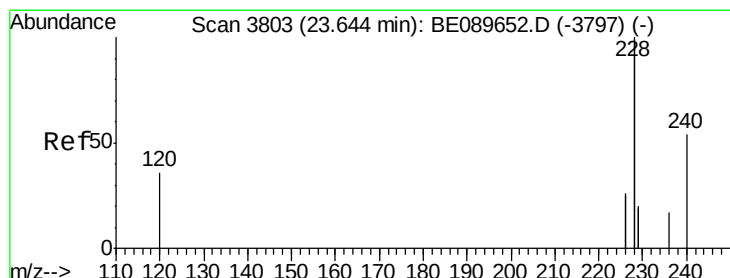
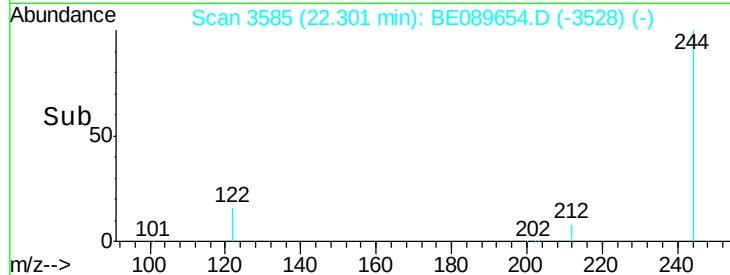
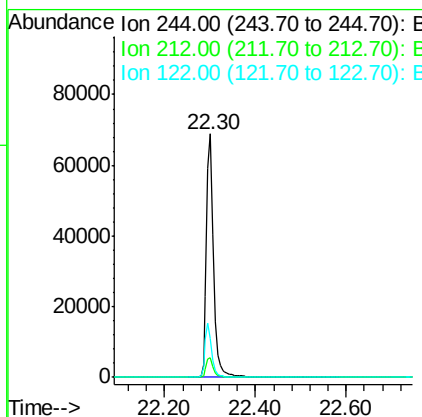
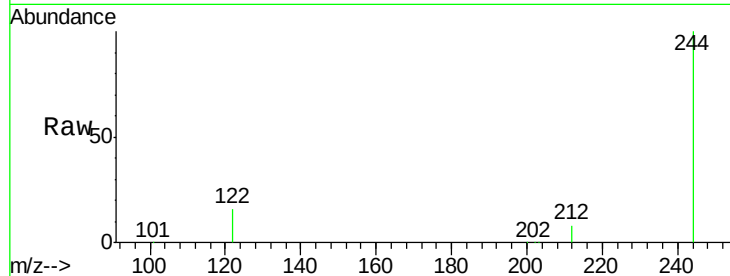
Tgt Ion:202 Resp: 151603
Ion Ratio Lower Upper
202 100
200 20.8 16.5 24.7
203 17.5 13.8 20.6





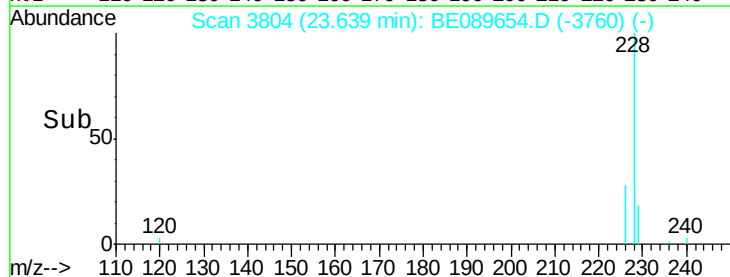
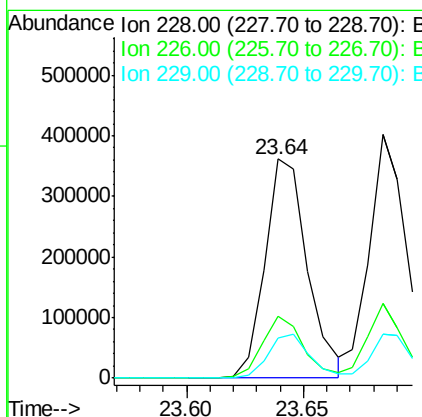
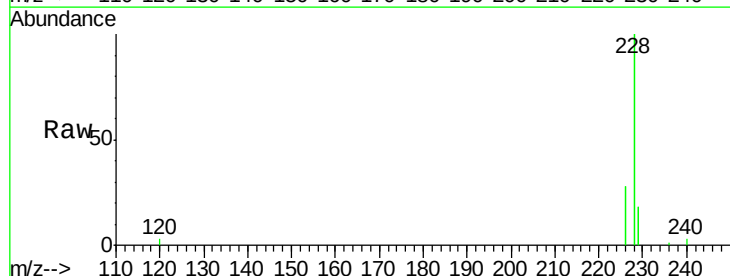
#21
 Terphenyl-d14
 Concen: 3.92 ng
 RT: 22.30 min Scan# 3585
 Delta R.T. 0.00 min
 Lab File: BE089654.D
 Acq: 23 Feb 2015 23:29

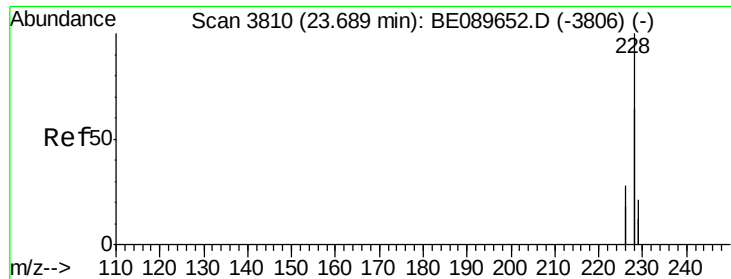
Tot Ion:244 Resp: 73511
 Ion Ratio Lower Upper
 244 100
 212 8.0 6.6 10.0
 122 15.9 13.7 20.5



#22
 Benzo(a)anthracene
 Concen: 5.37 ng
 RT: 23.64 min Scan# 3804
 Delta R.T. -0.01 min
 Lab File: BE089654.D
 Acq: 23 Feb 2015 23:29

Tgt Ion:228 Resp: 459546
 Ion Ratio Lower Upper
 228 100
 226 28.3 20.9 31.3
 229 18.4 15.8 23.6





#23

Chrysene

Concen: 4.09 ng

RT: 23.68 min Scan# 3811

Delta R.T. -0.01 min

Lab File: BE089654.D

Acq: 23 Feb 2015 23:29

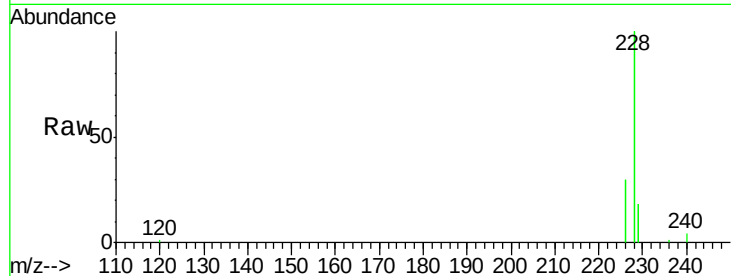
Tot Ion:228 Resp: 516361

Ion Ratio Lower Upper

228 100

226 30.5 22.0 33.0

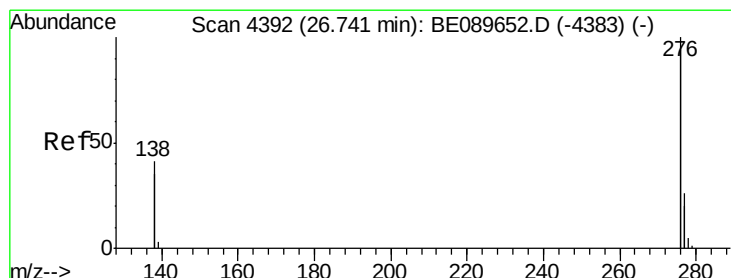
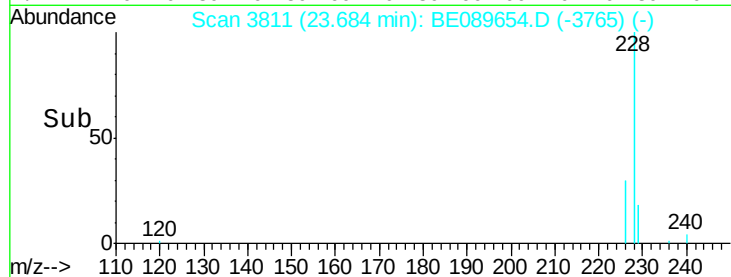
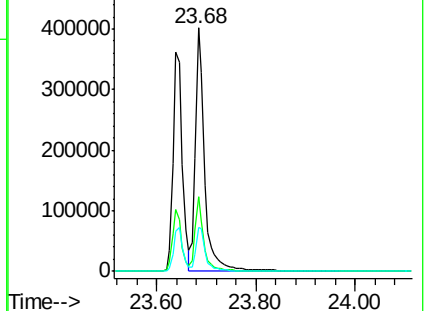
229 18.3 16.6 24.8



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: 7.30 ng

RT: 26.74 min Scan# 4394

Delta R.T. 0.00 min

Lab File: BE089654.D

Acq: 23 Feb 2015 23:29

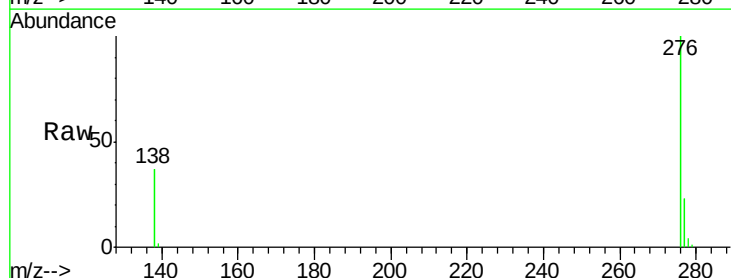
Tgt Ion:276 Resp: 347354

Ion Ratio Lower Upper

276 100

138 43.6 36.2 54.4

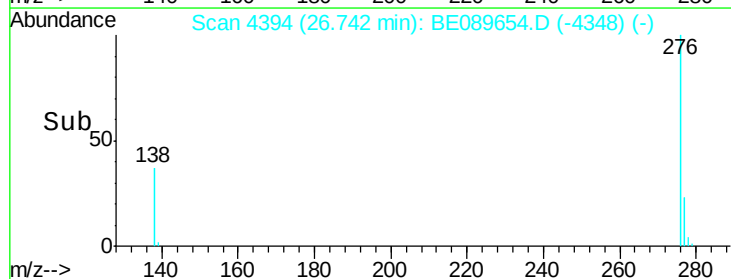
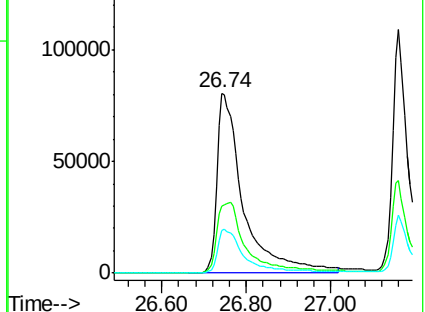
277 25.0 5.4 8.2#

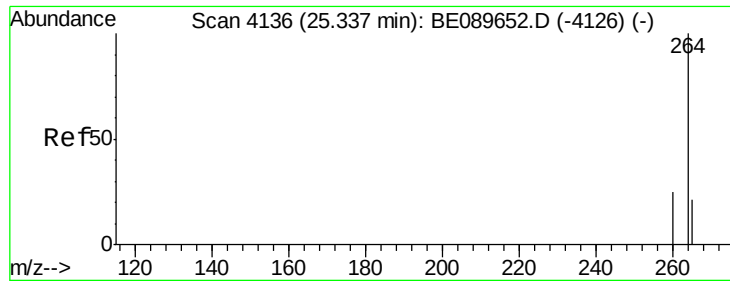


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

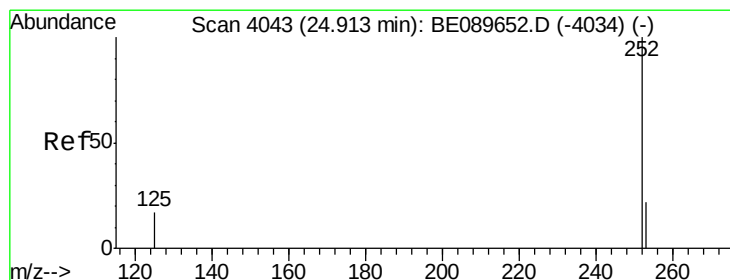
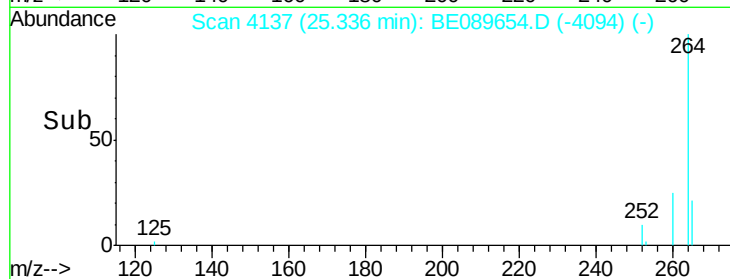
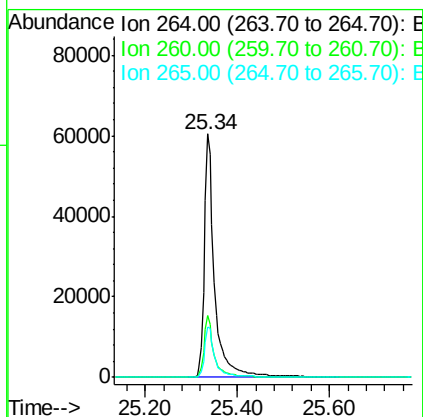
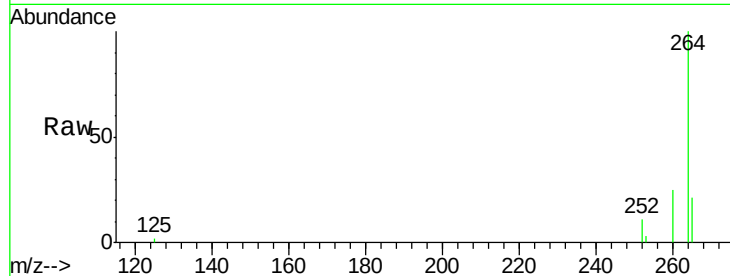




#25
Pervlene-d12
Concen: 5.00 ng
RT: 25.34 min Scan# 4137
Delta R.T. -0.00 min
Lab File: BE089654.D
Acq: 23 Feb 2015 23:29

Tot Ion:264 Resp: 92624

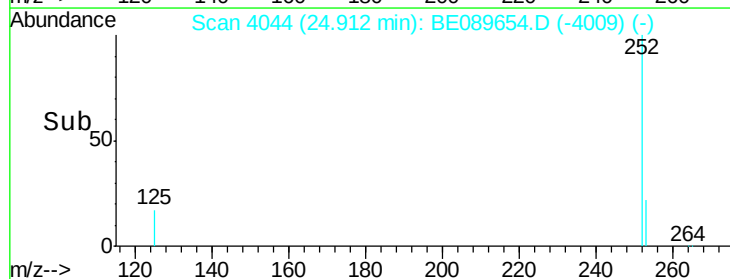
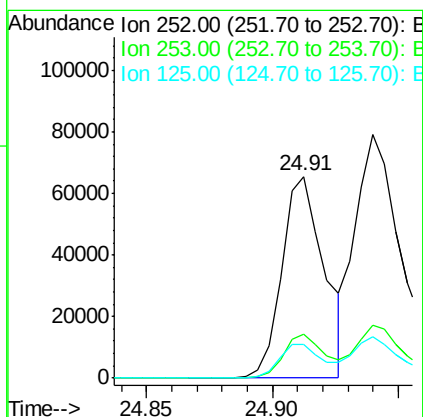
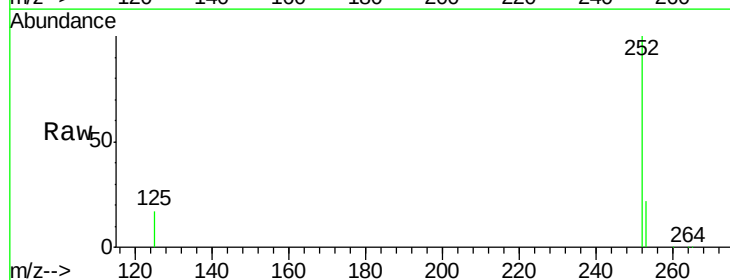
Ion	Ratio	Lower	Upper
264	100		
260	25.2	20.0	30.0
265	20.9	16.8	25.2

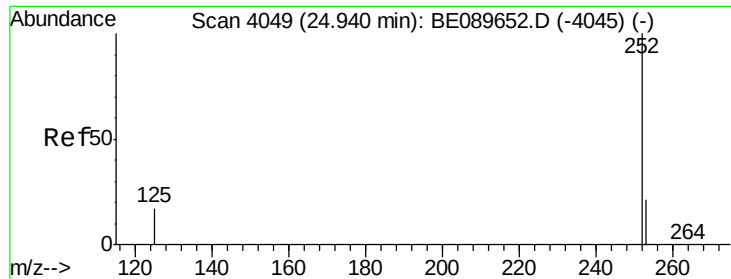


#26
Benzo(b)fluoranthene
Concen: 8.59 ng
RT: 24.91 min Scan# 4044
Delta R.T. -0.00 min
Lab File: BE089654.D
Acq: 23 Feb 2015 23:29

Tgt Ion:252 Resp: 76153

Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.3	27.5
125	16.6	14.6	22.0





#27

Benzo(k)fluoranthene

Concen: 5.53 ng

RT: 24.94 min Scan# 4050

Delta R.T. -0.00 min

Lab File: BE089654.D

Acq: 23 Feb 2015 23:29

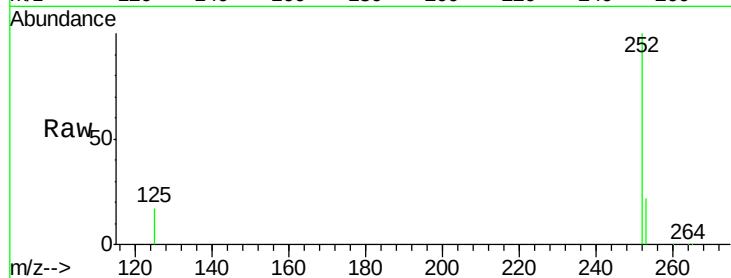
Tot Ion:252 Resp: 128536

Ion Ratio Lower Upper

252 100

253 21.7 17.8 26.8

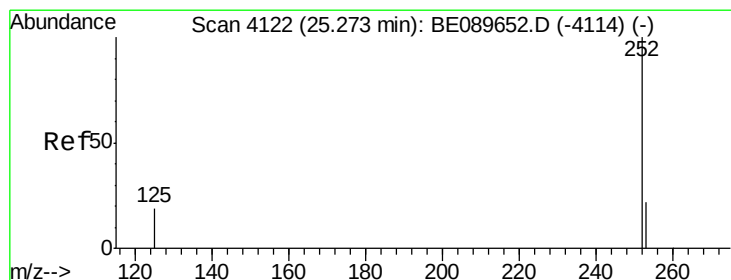
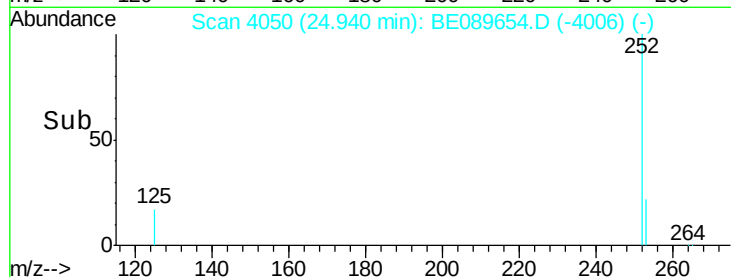
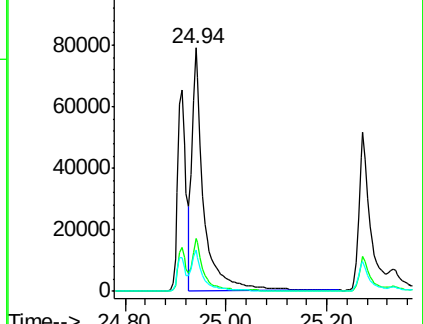
125 17.1 14.3 21.5



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: 7.55 ng

RT: 25.27 min Scan# 4123

Delta R.T. -0.00 min

Lab File: BE089654.D

Acq: 23 Feb 2015 23:29

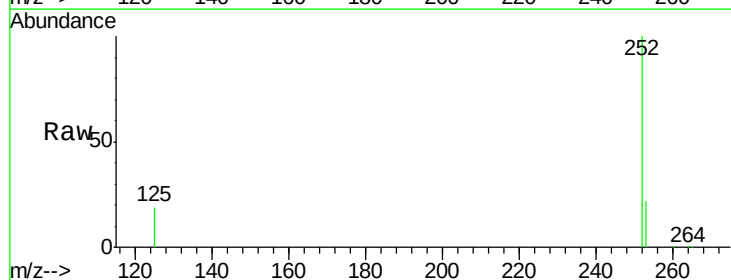
Tgt Ion:252 Resp: 77200

Ion Ratio Lower Upper

252 100

253 21.7 18.4 27.6

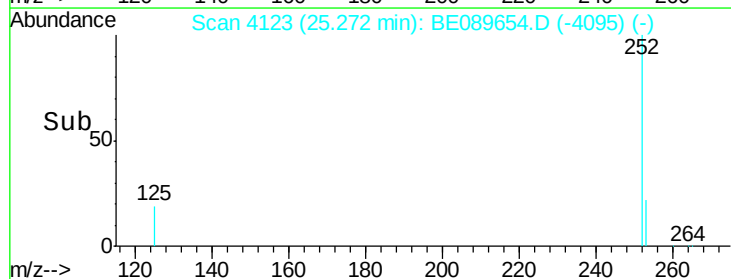
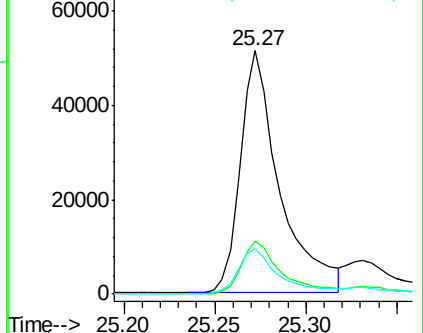
125 18.6 15.9 23.9

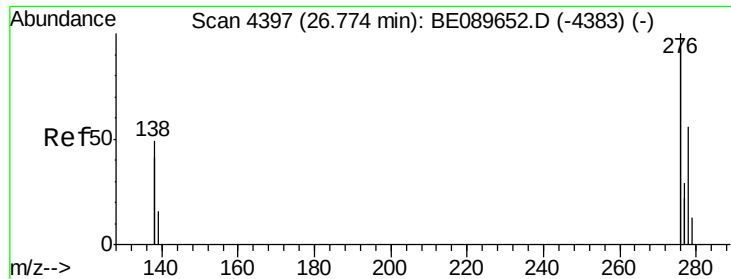


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

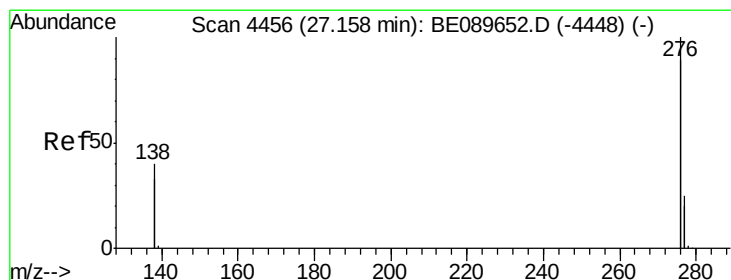
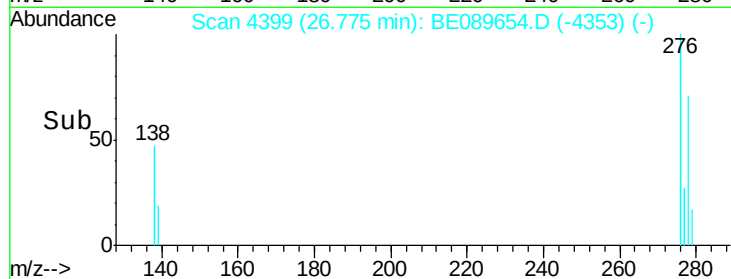
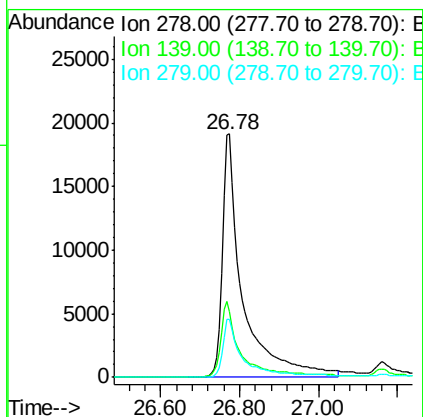
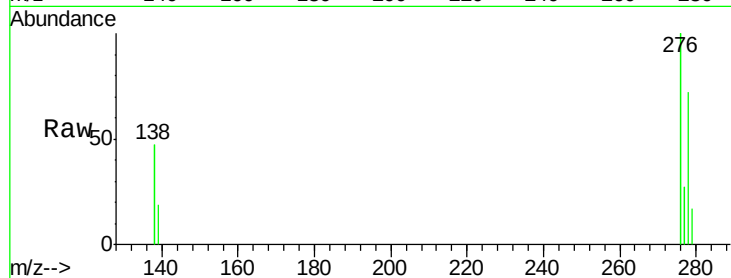




#29
Dibenzo(a,h)anthracene
Concen: 7.83 ng
RT: 26.78 min Scan# 4399
Delta R.T. 0.00 min
Lab File: BE089654.D
Acq: 23 Feb 2015 23:29

Tot Ion:278 Resp: 67169

Ion	Ratio	Lower	Upper
278	100		
139	27.1	25.4	38.2
279	23.9	20.0	30.0



#30
Benzo(g,h,i)perylene
Concen: 5.85 ng
RT: 27.16 min Scan# 4458
Delta R.T. 0.00 min
Lab File: BE089654.D
Acq: 23 Feb 2015 23:29

Tgt Ion:276 Resp: 311226

Ion	Ratio	Lower	Upper
276	100		
277	23.7	20.2	30.2
138	37.9	32.4	48.6

