

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE022315\
 Data File : BE089656.D
 Acq On : 24 Feb 2015 00:47
 Operator : TP/JJ
 Sample : SSTDICV001
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Feb 24 04:03:36 2015

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

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Feb 24 03:46:57 2015

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.34	152	37226	5.00	ng	0.00
4) Naphthalene-d8	12.24	136	157929	5.00	ng	0.00
8) Acenaphthene-d10	16.43	164	70264	5.00	ng	0.00
13) Phenanthrene-d10	19.77	188	128274	5.00	ng	0.00
19) Chrysene-d12	23.66	240	104344	5.00	ng	0.00
25) Perylene-d12	25.34	264	80098	5.00	ng	0.00

System Monitoring Compounds

5) Nitrobenzene-d5	10.60	82	8307	0.96	ng	0.00
9) 2-Fluorobiphenyl	14.87	172	17027	0.98	ng	0.00
21) Terphenyl-d14	22.30	244	16175	1.09	ng	0.00

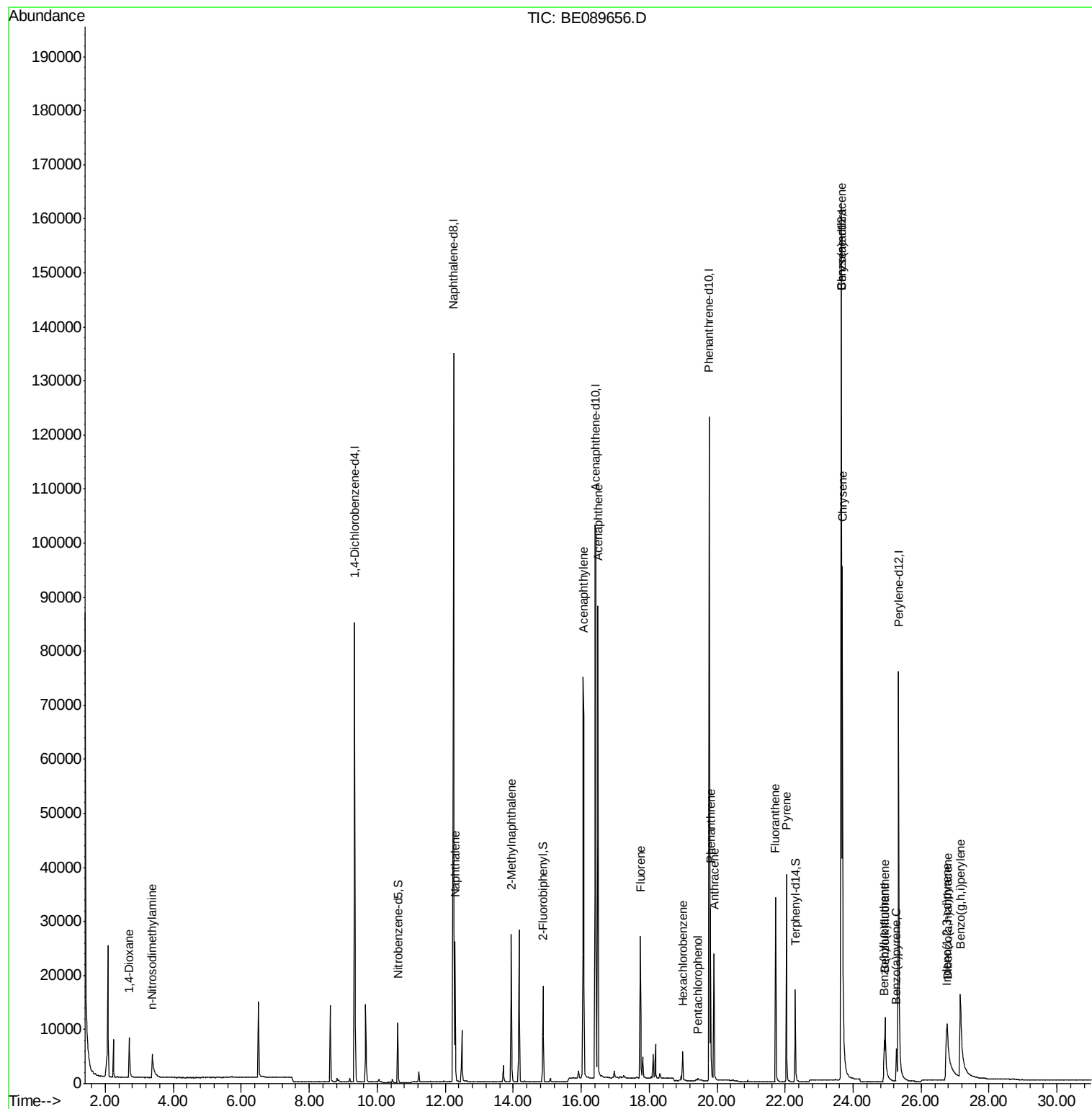
Target Compounds

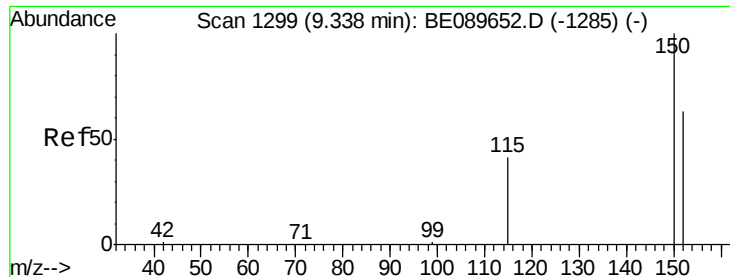
						Qvalue
2) 1,4-Dioxane	2.70	88	4831	1.01	ng	96
3) n-Nitrosodimethylamine	3.37	42	6653	1.04	ng	97
6) Naphthalene	12.29	128	32335	1.00	ng	100
7) 2-Methylnaphthalene	13.94	142	18667	1.03	ng	100
10) Acenaphthylene	16.06	152	107477	1.04	ng	100
11) Acenaphthene	16.49	154	16982	1.01	ng	99
12) Fluorene	17.74	166	19013	1.03	ng	100
14) Hexachlorobenzene	18.99	284	3613	1.04	ng	97
15) Pentachlorophenol	19.44	266	393	0.94	ng	99
16) Phenanthrene	19.81	178	28714	1.02	ng	100
17) Anthracene	19.91	178	24647	1.03	ng	99
18) Fluoranthene	21.72	202	24712	1.05	ng	99
20) Pyrene	22.04	202	27176	1.04	ng	100
22) Benzo(a)anthracene	23.64	228	72212	0.99	ng	100
23) Chrysene	23.68	228	100333	1.02	ng	95
24) Indeno(1,2,3-cd)pyrene	26.74	276	38013	0.88	ng	# 92
26) Benzo(b)fluoranthene	24.91	252	7294	0.85	ng	98
27) Benzo(k)fluoranthene	24.94	252	22156	1.02	ng	99
28) Benzo(a)pyrene	25.27	252	8520	0.88	ng	99
29) Dibenzo(a,h)anthracene	26.77	278	7055	0.88	ng	98
30) Benzo(g,h,i)perylene	27.16	276	41435	0.92	ng	99

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

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 9.34 min Scan# 1299

Delta R.T. -0.00 min

Lab File: BE089656.D

Acq: 24 Feb 2015 00:47

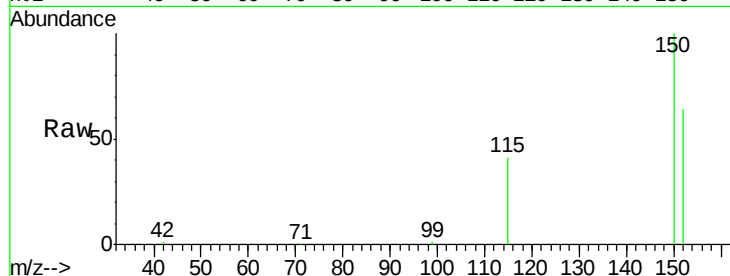
Tgt Ion: 152 Resp: 37226

Ion Ratio Lower Upper

152 100

150 155.4 127.0 190.6

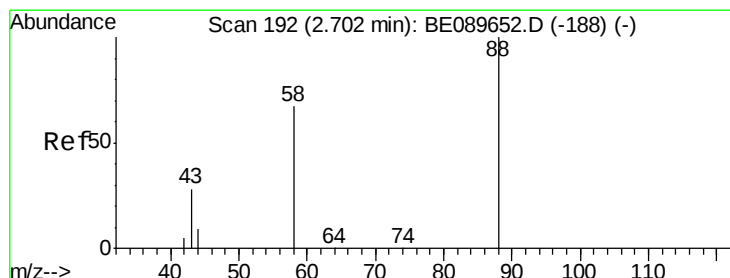
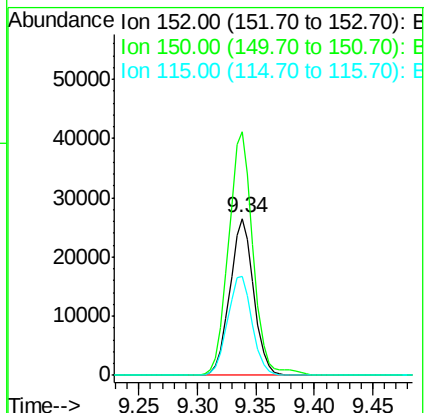
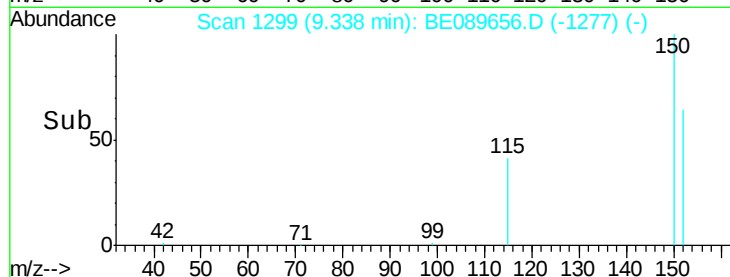
115 63.5 52.4 78.6



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: 1.01 ng

RT: 2.70 min Scan# 192

Delta R.T. -0.00 min

Lab File: BE089656.D

Acq: 24 Feb 2015 00:47

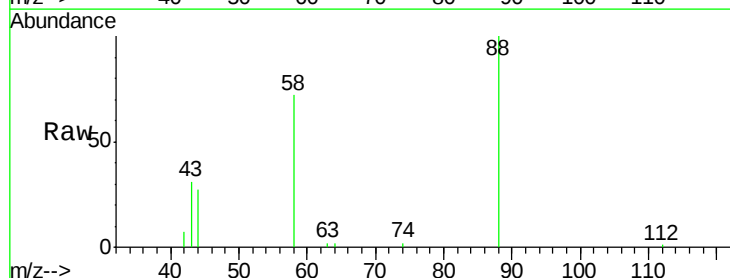
Tgt Ion: 88 Resp: 4831

Ion Ratio Lower Upper

88 100

58 81.2 61.8 92.6

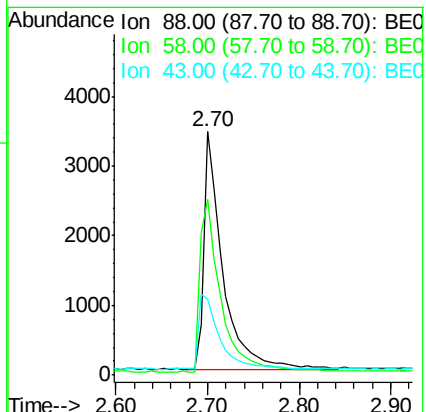
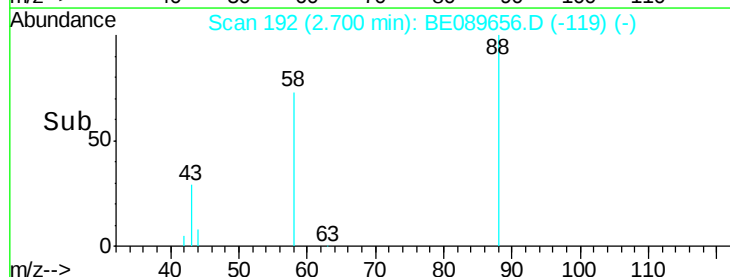
43 34.4 26.4 39.6

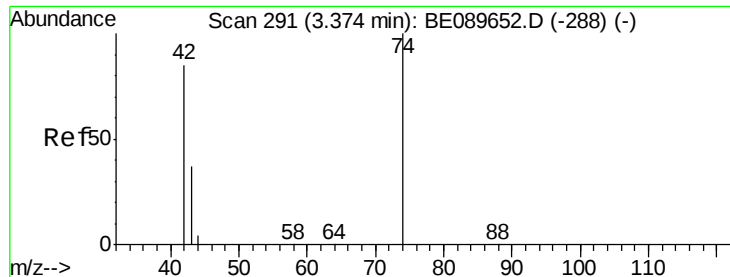


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 1.04 ng

RT: 3.37 min Scan# 291

Delta R.T. -0.00 min

Lab File: BE089656.D

Acq: 24 Feb 2015 00:47

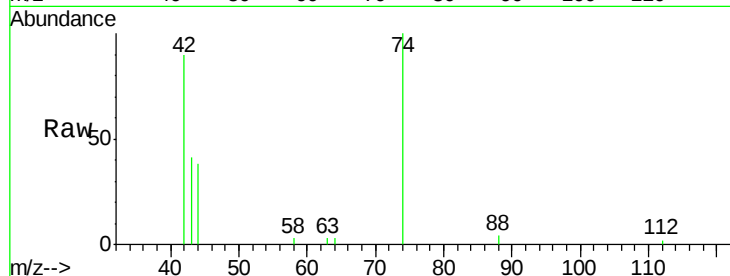
Tgt Ion: 42 Resp: 6653

Ion Ratio Lower Upper

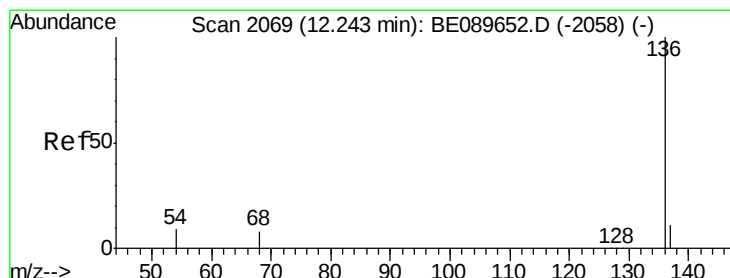
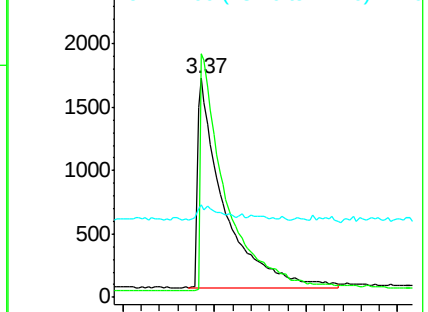
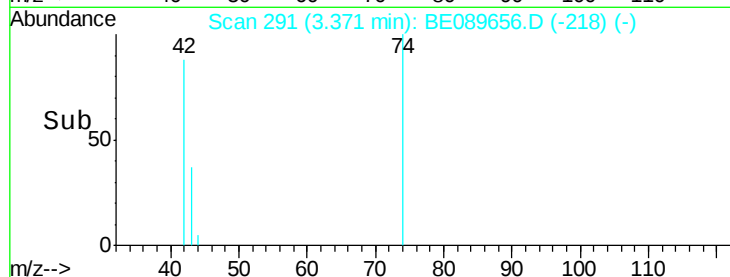
42 100

74 111.9 92.5 138.7

44 5.4 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: BE089656.D

Acq: 24 Feb 2015 00:47

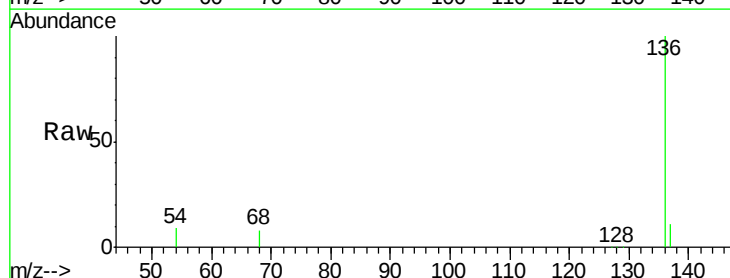
Tgt Ion: 136 Resp: 157929

Ion Ratio Lower Upper

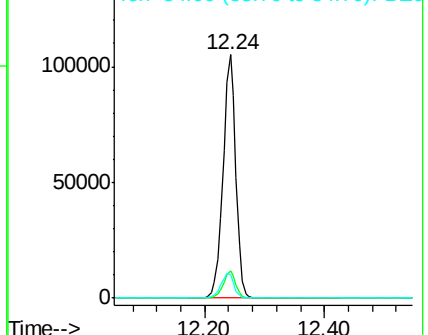
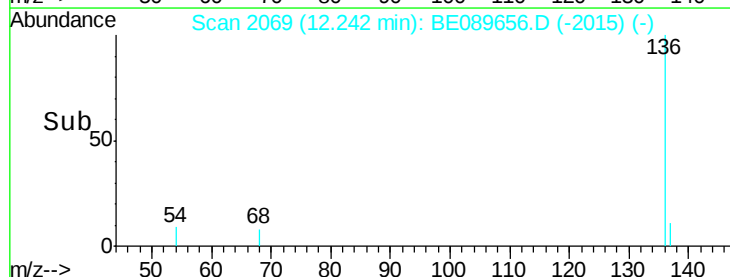
136 100

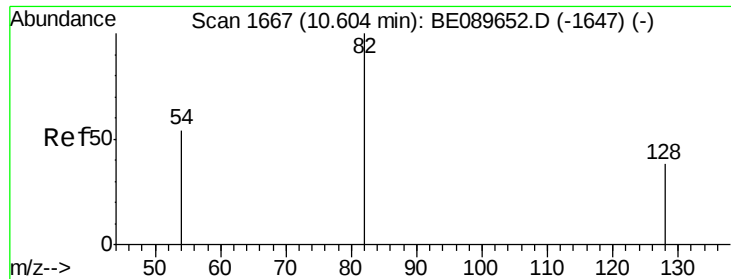
137 11.0 8.7 13.1

54 9.5 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: 0.96 ng

RT: 10.60 min Scan# 1667

Delta R.T. 0.00 min

Lab File: BE089656.D

Acq: 24 Feb 2015 00:47

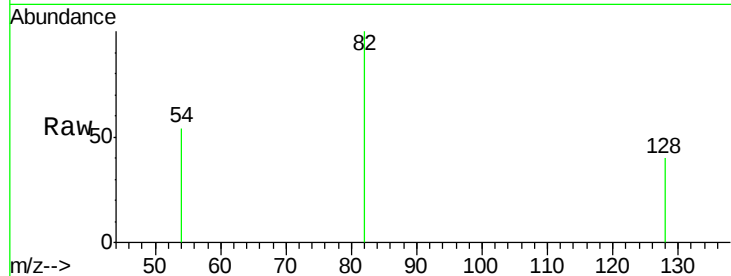
Tgt Ion: 82 Resp: 8307

Ion Ratio Lower Upper

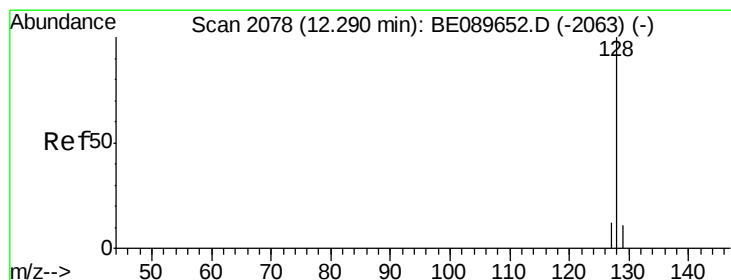
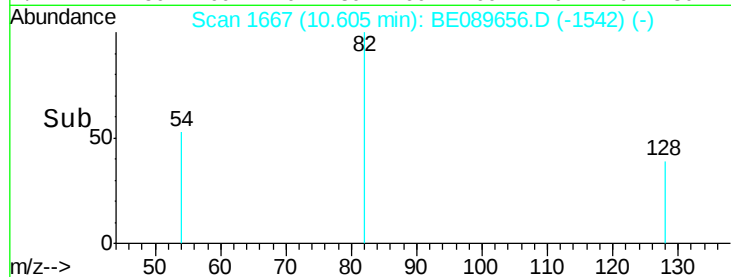
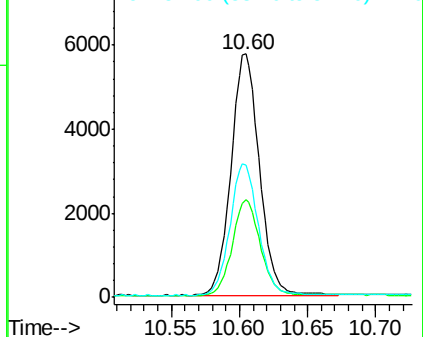
82 100

128 39.9 31.0 46.4

54 54.5 43.8 65.8



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



#6

Naphthalene

Concen: 1.00 ng

RT: 12.29 min Scan# 2078

Delta R.T. -0.00 min

Lab File: BE089656.D

Acq: 24 Feb 2015 00:47

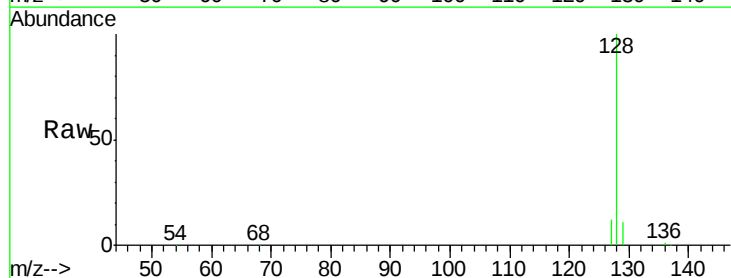
Tgt Ion: 128 Resp: 32335

Ion Ratio Lower Upper

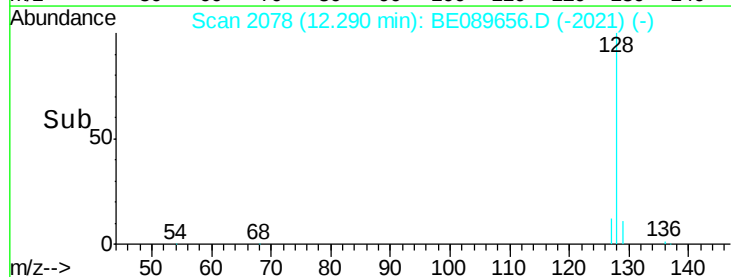
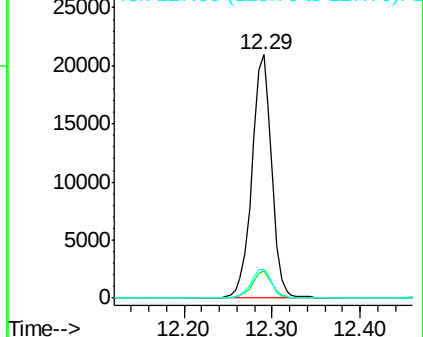
128 100

129 11.1 8.8 13.2

127 12.0 9.8 14.6



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





#7

2-Methylnaphthalene

Concen: 1.03 ng

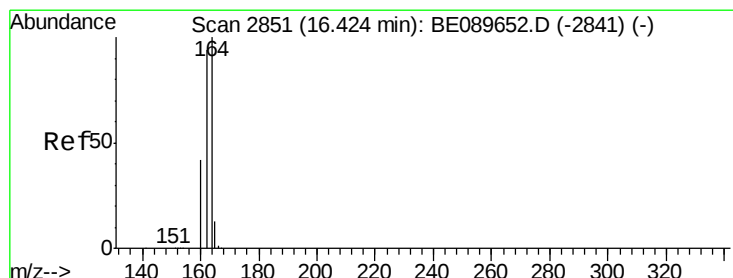
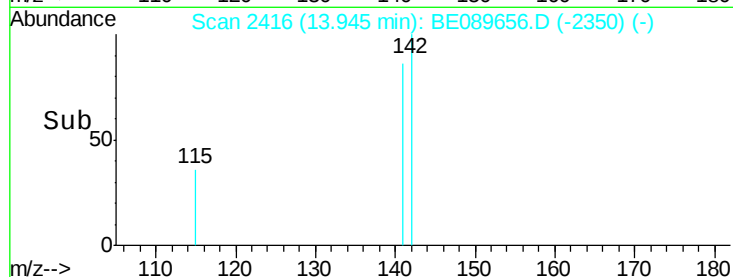
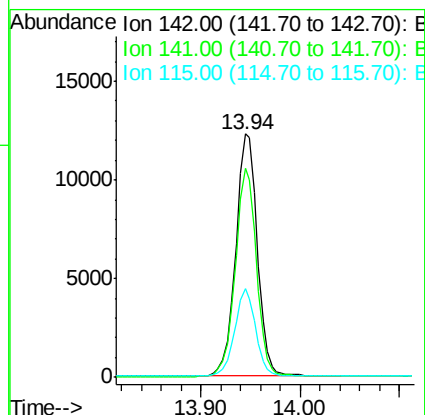
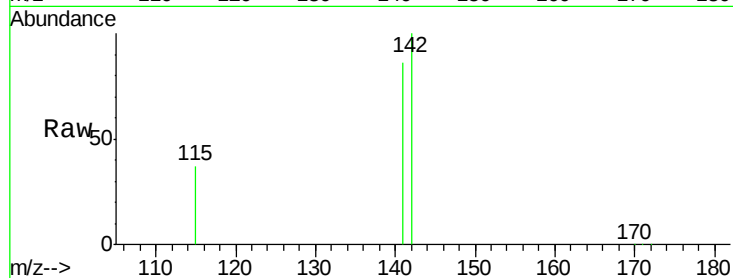
RT: 13.94 min Scan# 2416

Delta R.T. -0.00 min

Lab File: BE089656.D

Acq: 24 Feb 2015 00:47

Tgt Ion:	142	Resp:	18667
Ion	Ratio	Lower	Upper
142	100		
141	85.9	68.6	103.0
115	36.6	29.0	43.6



#8

Acenaphthene-d10

Concen: 5.00 ng

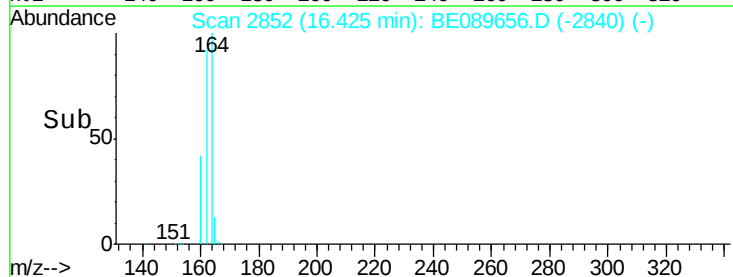
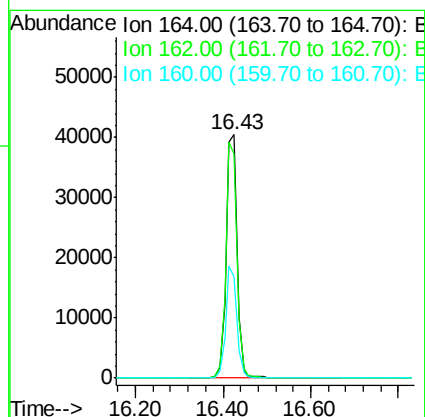
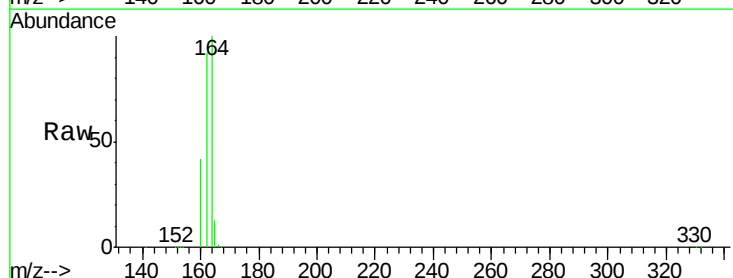
RT: 16.43 min Scan# 2852

Delta R.T. 0.00 min

Lab File: BE089656.D

Acq: 24 Feb 2015 00:47

Tgt Ion:	164	Resp:	70264
Ion	Ratio	Lower	Upper
164	100		
162	92.4	75.4	113.2
160	41.6	33.7	50.5





#9

2-Fluorobiphenyl

Concen: 0.98 ng

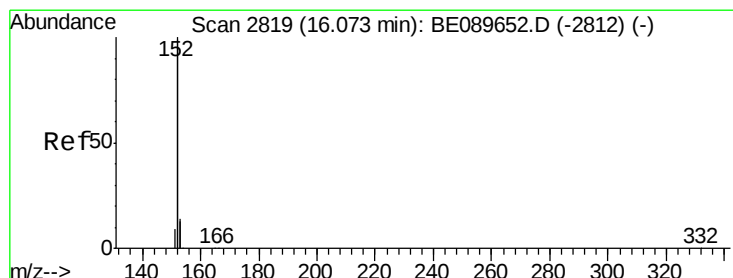
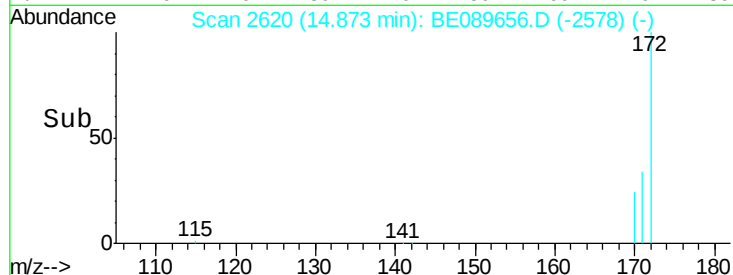
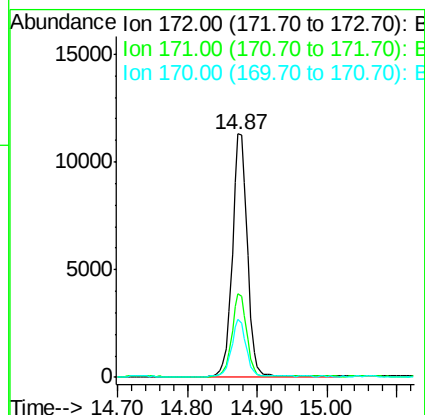
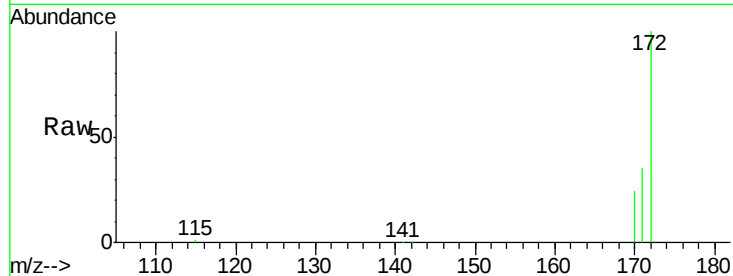
RT: 14.87 min Scan# 2620

Delta R.T. -0.00 min

Lab File: BE089656.D

Acq: 24 Feb 2015 00:47

Tgt Ion:	172	Resp:	17027
Ion	Ratio	Lower	Upper
172	100		
171	34.6	26.2	39.4
170	23.9	17.7	26.5



#10

Acenaphthylene

Concen: 1.04 ng

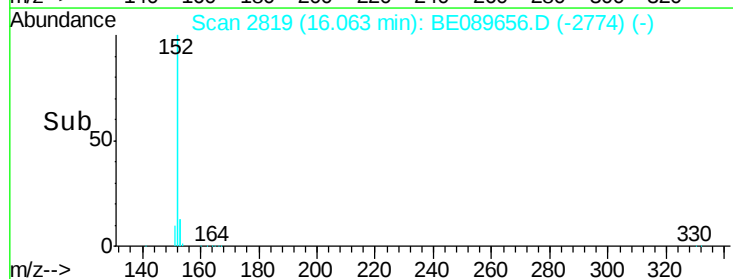
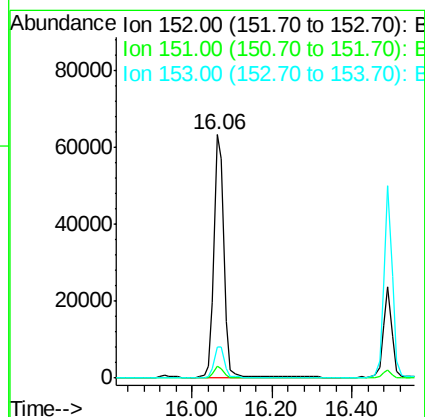
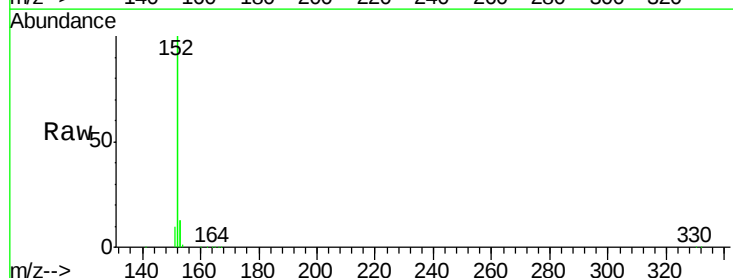
RT: 16.06 min Scan# 2819

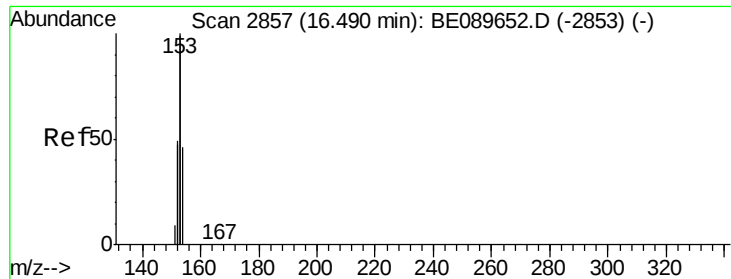
Delta R.T. -0.01 min

Lab File: BE089656.D

Acq: 24 Feb 2015 00:47

Tgt Ion:	152	Resp:	107477
Ion	Ratio	Lower	Upper
152	100		
151	4.8	3.8	5.6
153	12.9	10.4	15.6





#11

Acenaphthene

Concen: 1.01 ng

RT: 16.49 min Scan# 2858

Delta R.T. 0.00 min

Lab File: BE089656.D

Acq: 24 Feb 2015 00:47

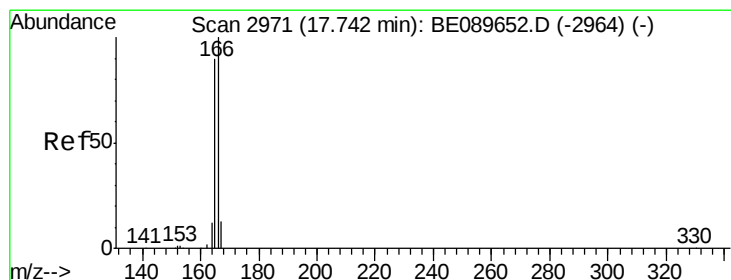
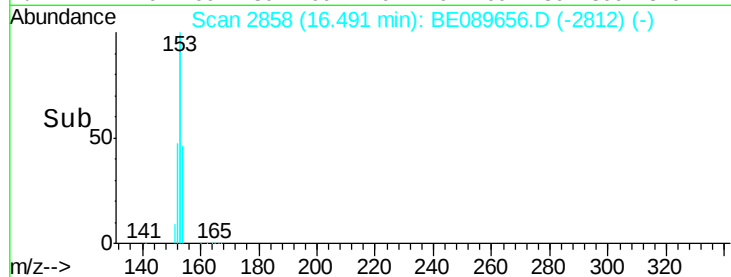
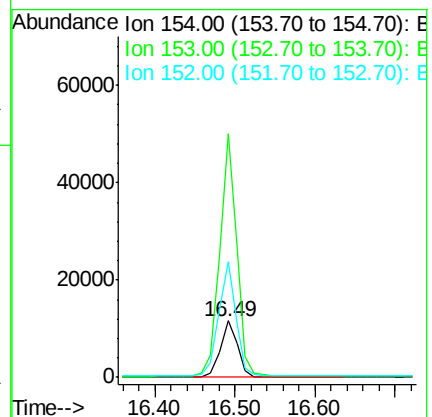
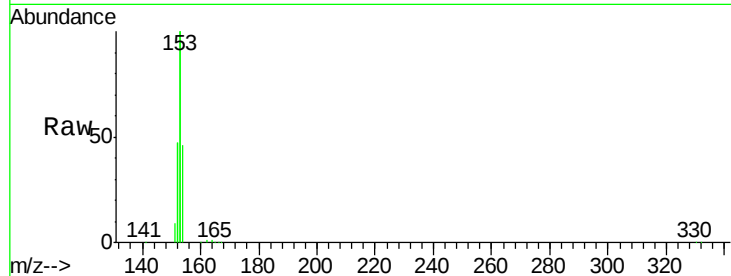
Tgt Ion:154 Resp: 16982

Ion Ratio Lower Upper

154 100

153 433.7 343.0 514.4

152 206.6 165.8 248.8



#12

Fluorene

Concen: 1.03 ng

RT: 17.74 min Scan# 2972

Delta R.T. 0.00 min

Lab File: BE089656.D

Acq: 24 Feb 2015 00:47

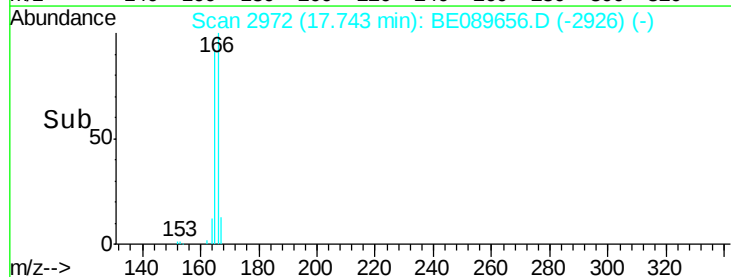
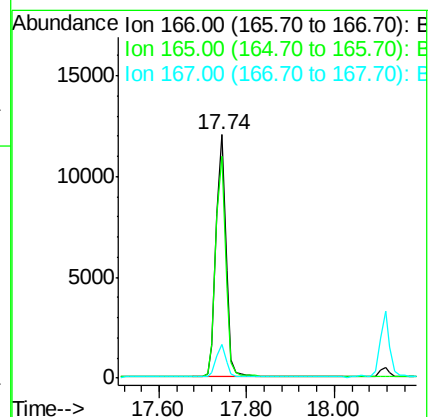
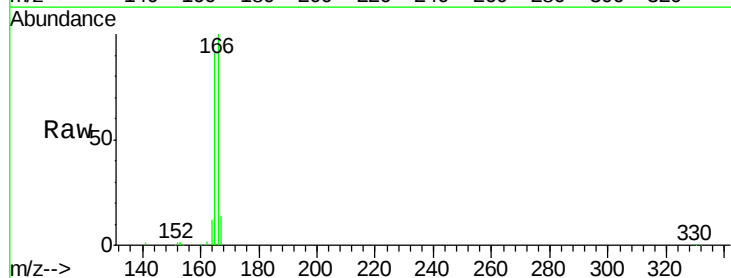
Tgt Ion:166 Resp: 19013

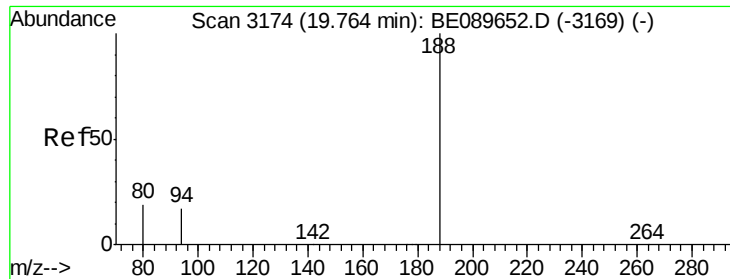
Ion Ratio Lower Upper

166 100

165 92.2 73.6 110.4

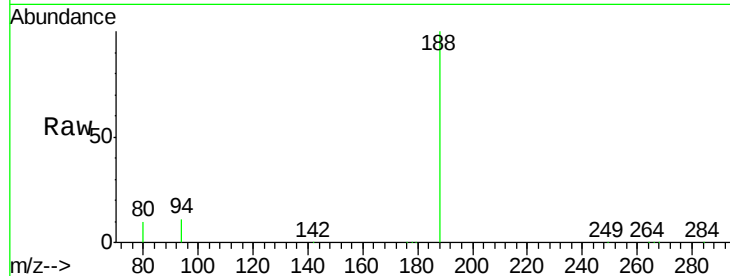
167 13.0 10.5 15.7



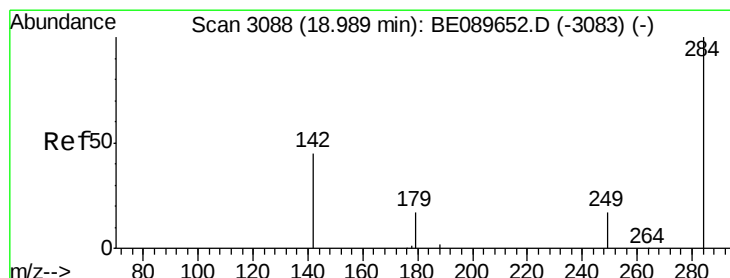
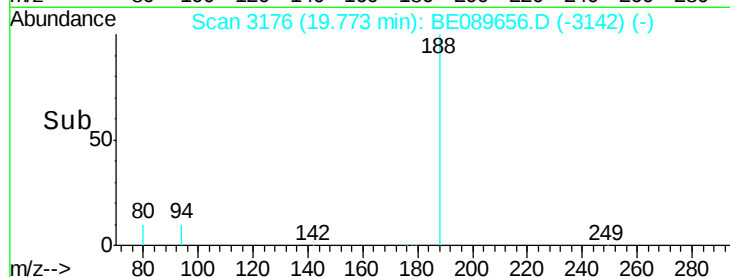
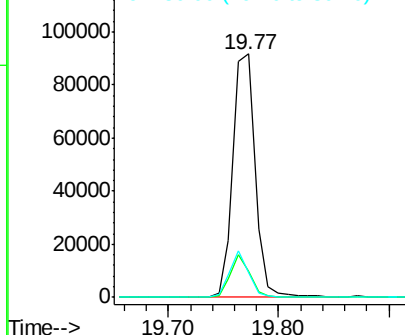


#13
Phenanthrene-d10
Concen: 5.00 ng
RT: 19.77 min Scan# 3176
Delta R.T. 0.01 min
Lab File: BE089656.D
Acq: 24 Feb 2015 00:47

Tgt Ion:188 Resp: 128274
Ion Ratio Lower Upper
188 100
94 10.5 13.8 20.8#
80 10.3 15.0 22.6#

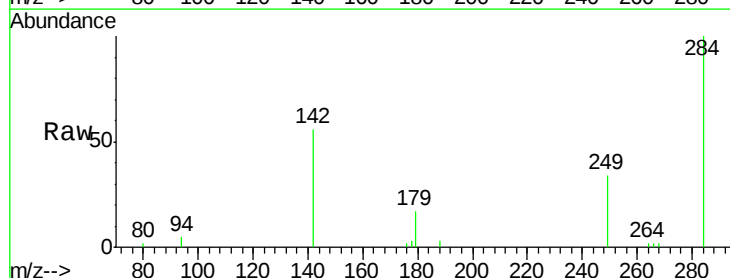


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BE0
Ion 80.00 (79.70 to 80.70): BE0

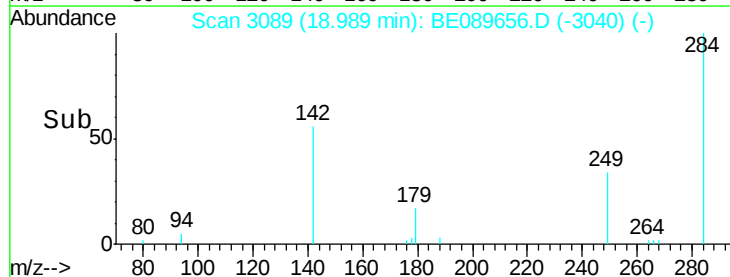
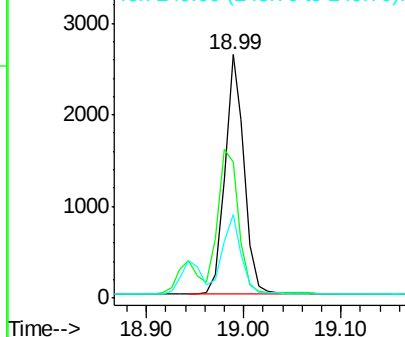


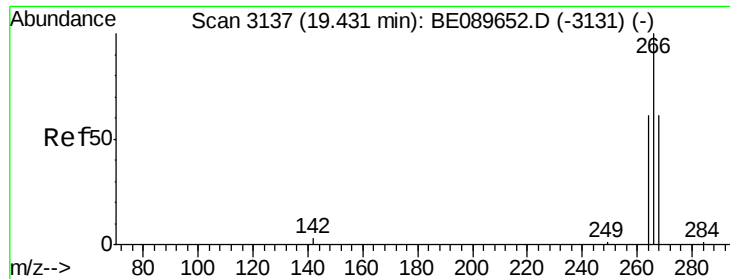
#14
Hexachlorobenzene
Concen: 1.04 ng
RT: 18.99 min Scan# 3089
Delta R.T. -0.00 min
Lab File: BE089656.D
Acq: 24 Feb 2015 00:47

Tgt Ion:284 Resp: 3613
Ion Ratio Lower Upper
284 100
142 65.0 55.0 82.6
249 32.1 26.1 39.1



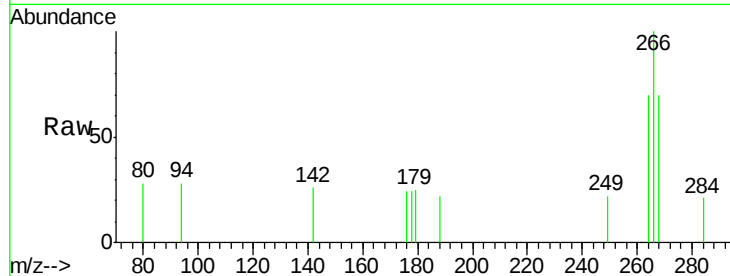
Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E



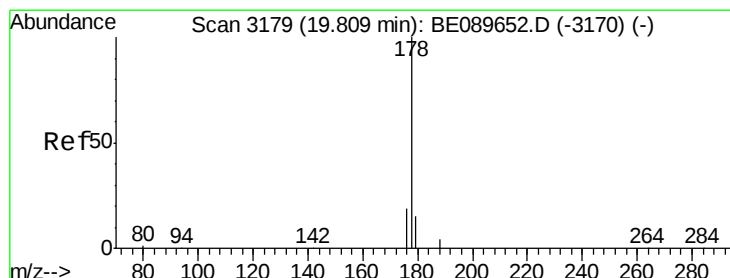
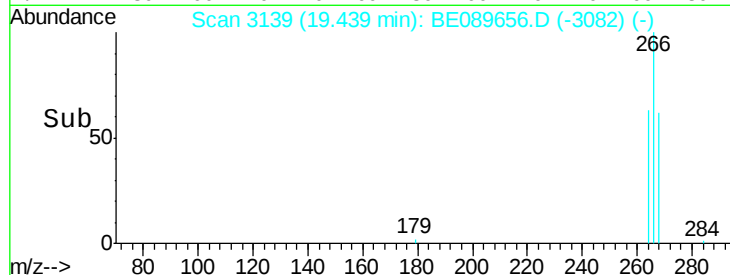
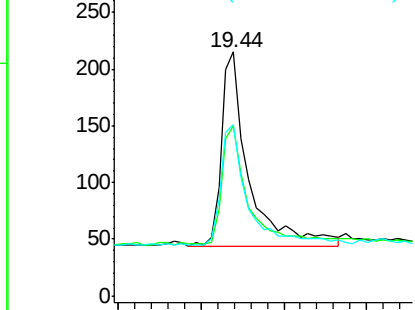


#15
 Pentachlorophenol
 Concen: 0.94 ng
 RT: 19.44 min Scan# 3139
 Delta R.T. 0.01 min
 Lab File: BE089656.D
 Acq: 24 Feb 2015 00:47

Tgt Ion:	266	Resp:	393
Ion	Ratio	Lower	Upper
266	100		
268	69.8	54.7	82.1
264	70.2	55.4	83.0

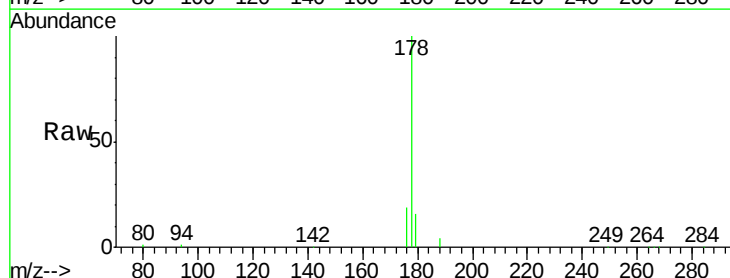


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

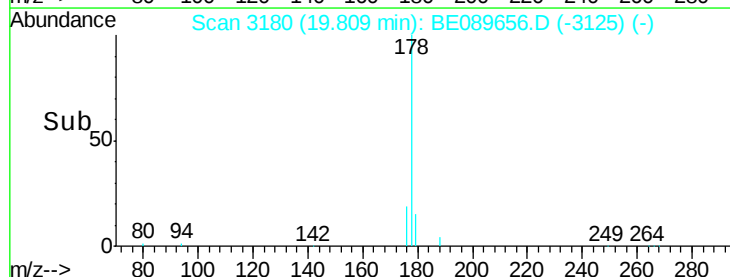
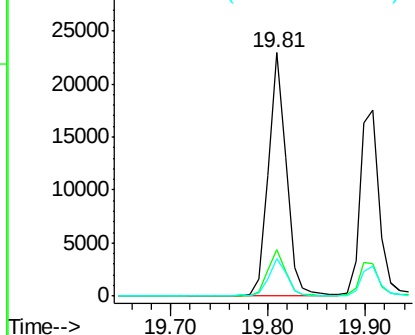


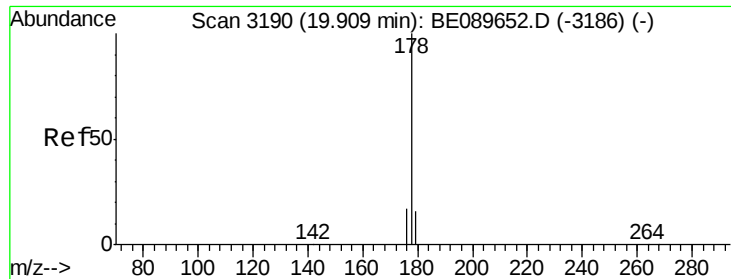
#16
 Phenanthrene
 Concen: 1.02 ng
 RT: 19.81 min Scan# 3180
 Delta R.T. -0.00 min
 Lab File: BE089656.D
 Acq: 24 Feb 2015 00:47

Tgt Ion:	178	Resp:	28714
Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.3	22.9
179	15.6	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: 1.03 ng

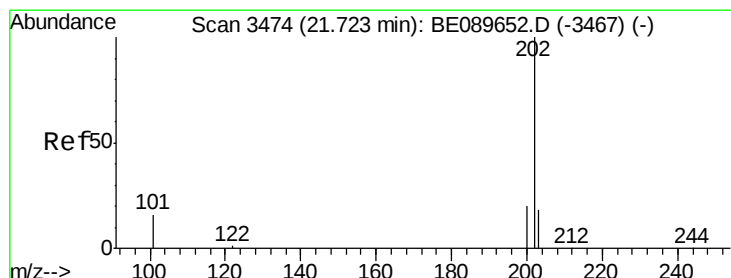
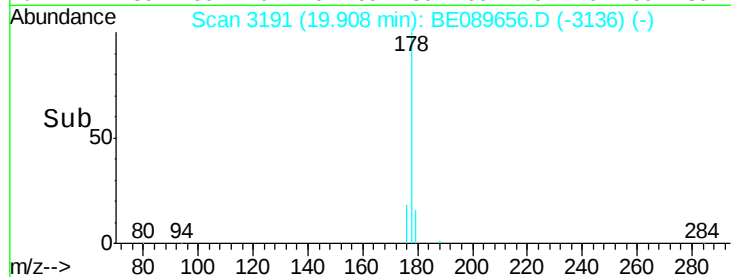
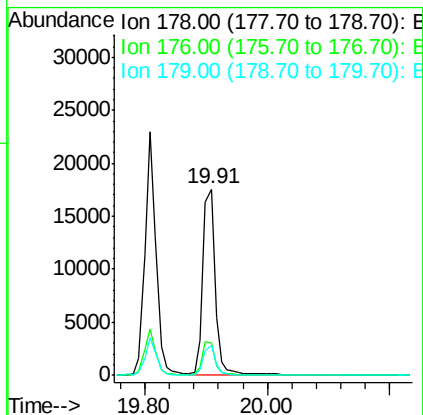
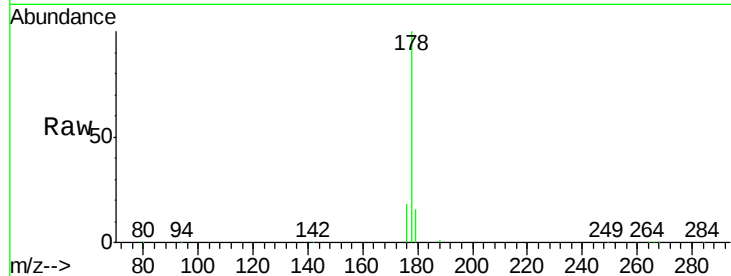
RT: 19.91 min Scan# 3191

Delta R.T. -0.00 min

Lab File: BE089656.D

Acq: 24 Feb 2015 00:47

Tgt Ion:	178	Resp:	24647
Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.3	21.5
179	15.1	12.1	18.1



#18

Fluoranthene

Concen: 1.05 ng

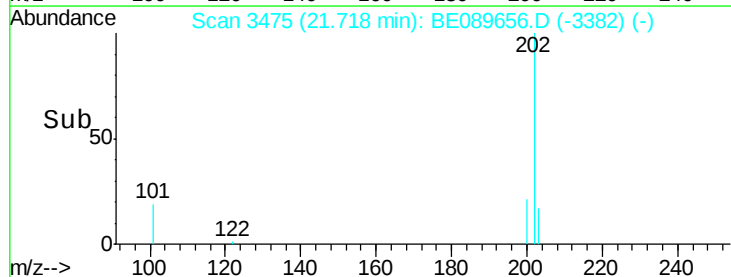
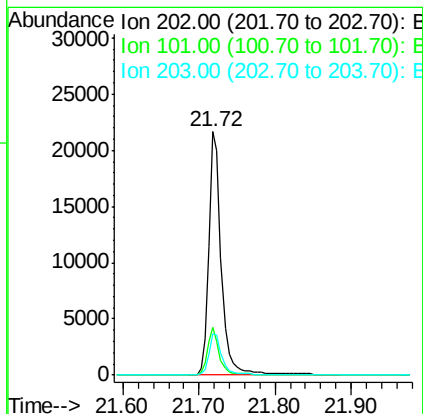
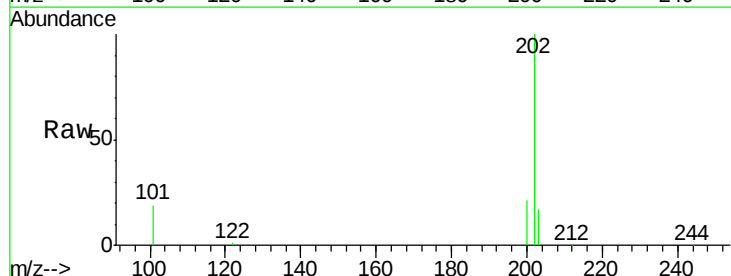
RT: 21.72 min Scan# 3475

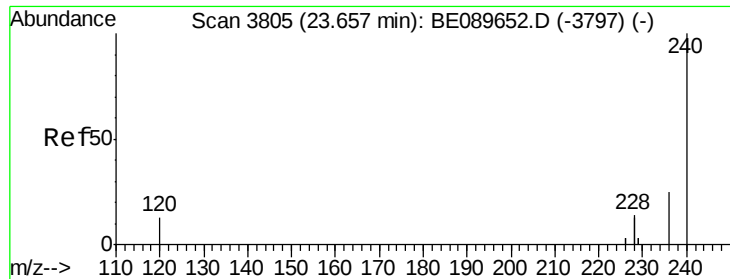
Delta R.T. -0.00 min

Lab File: BE089656.D

Acq: 24 Feb 2015 00:47

Tgt Ion:	202	Resp:	24712
Ion	Ratio	Lower	Upper
202	100		
101	18.1	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: BE089656.D

Acq: 24 Feb 2015 00:47

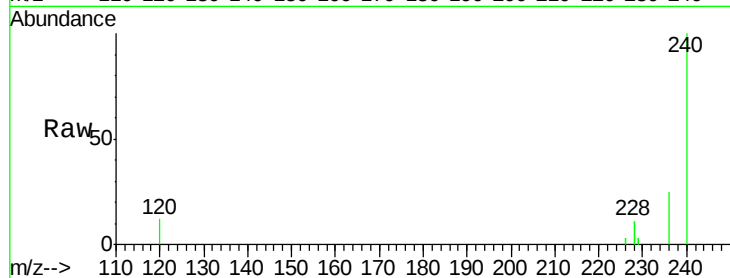
Tgt Ion: 240 Resp: 104344

Ion Ratio Lower Upper

240 100

120 12.0 10.6 15.8

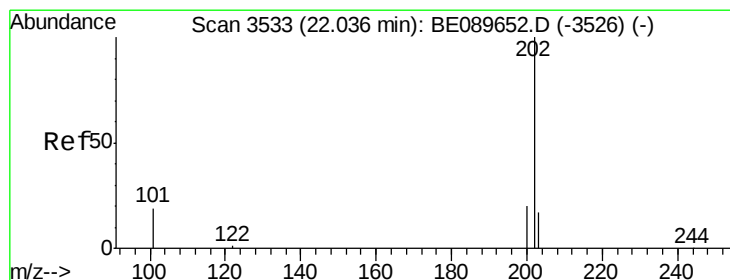
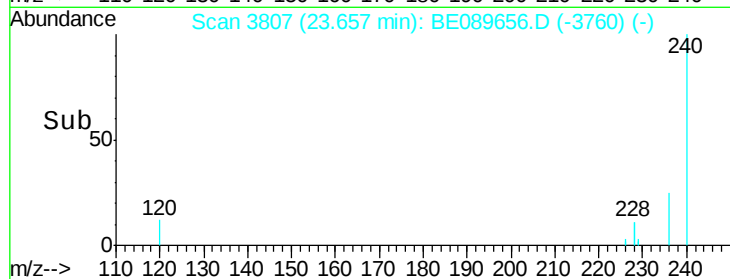
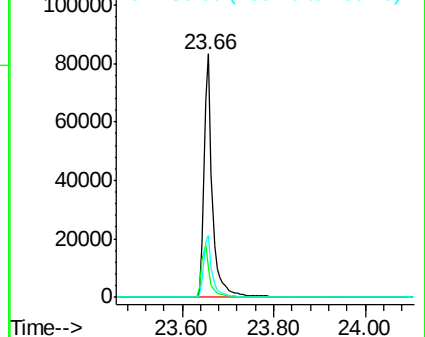
236 25.2 20.3 30.5



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#20

Pyrene

Concen: 1.04 ng

RT: 22.04 min Scan# 3535

Delta R.T. 0.00 min

Lab File: BE089656.D

Acq: 24 Feb 2015 00:47

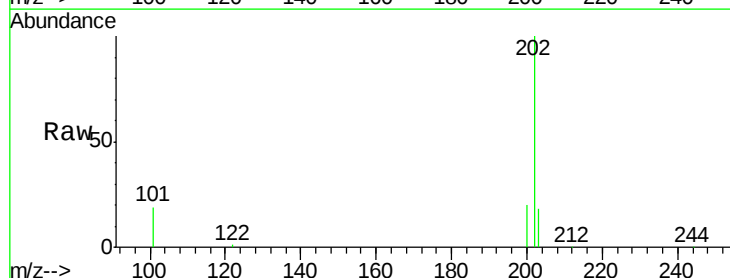
Tgt Ion: 202 Resp: 27176

Ion Ratio Lower Upper

202 100

200 20.4 16.5 24.7

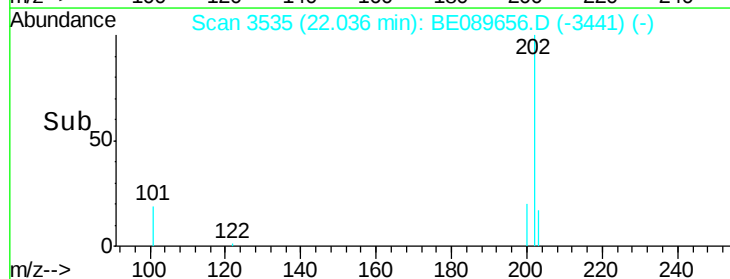
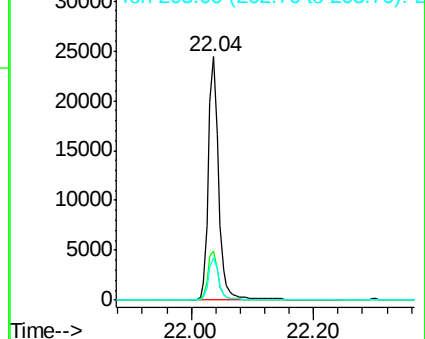
203 17.3 13.8 20.6

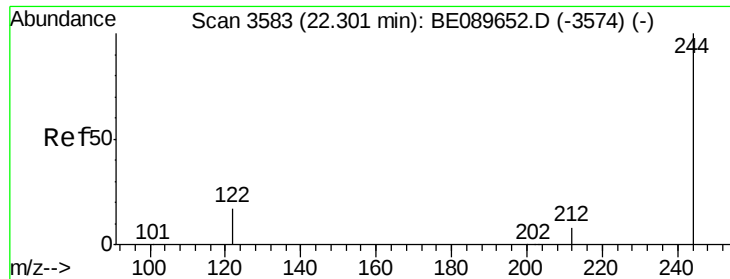


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

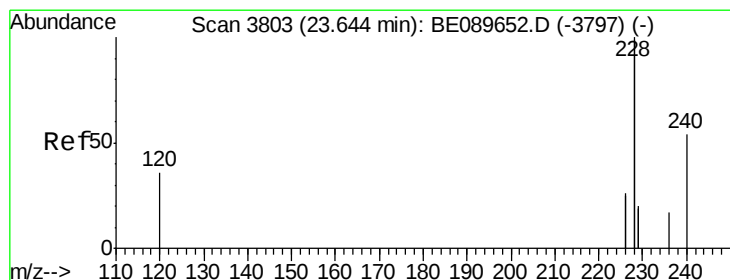
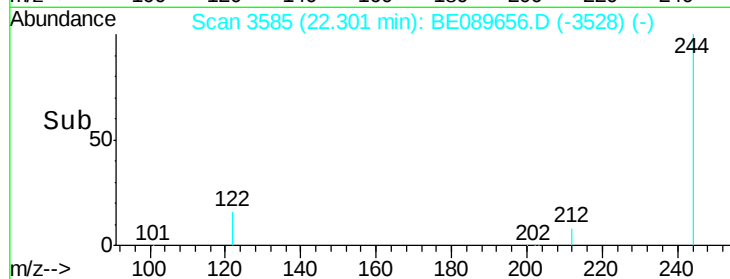
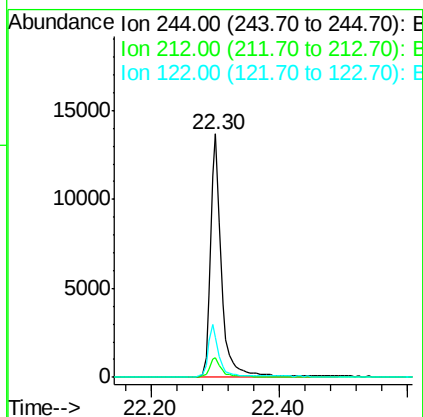
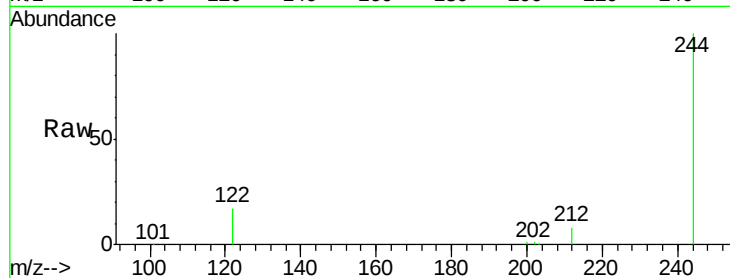
Ion 203.00 (202.70 to 203.70): E





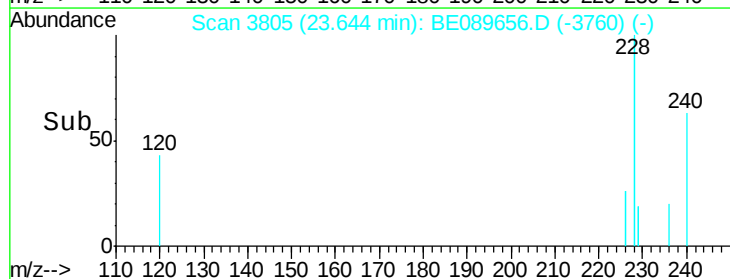
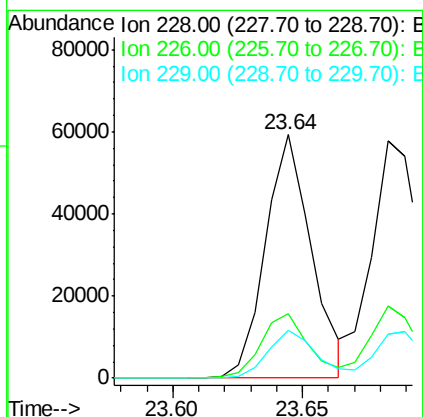
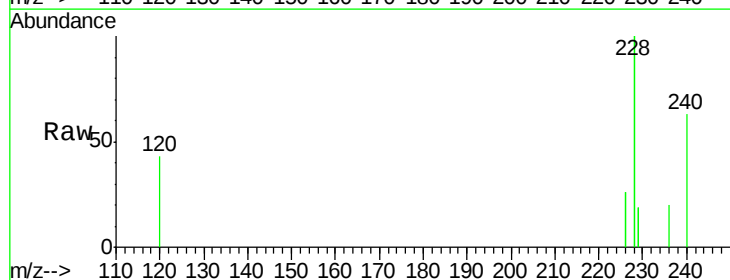
#21
 Terphenyl-d14
 Concen: 1.09 ng
 RT: 22.30 min Scan# 3585
 Delta R.T. 0.00 min
 Lab File: BE089656.D
 Acq: 24 Feb 2015 00:47

Tgt Ion: 244 Resp: 16175
 Ion Ratio Lower Upper
 244 100
 212 8.3 6.6 10.0
 122 16.7 13.7 20.5



#22
 Benzo(a)anthracene
 Concen: 0.99 ng
 RT: 23.64 min Scan# 3805
 Delta R.T. 0.00 min
 Lab File: BE089656.D
 Acq: 24 Feb 2015 00:47

Tgt Ion: 228 Resp: 72212
 Ion Ratio Lower Upper
 228 100
 226 26.3 20.9 31.3
 229 19.5 15.8 23.6





#23

Chrysene

Concen: 1.02 ng

RT: 23.68 min Scan# 3811

Delta R.T. -0.01 min

Lab File: BE089656.D

Acq: 24 Feb 2015 00:47

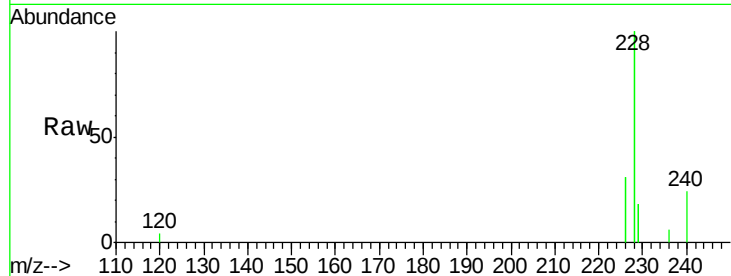
Tgt Ion: 228 Resp: 100333

Ion Ratio Lower Upper

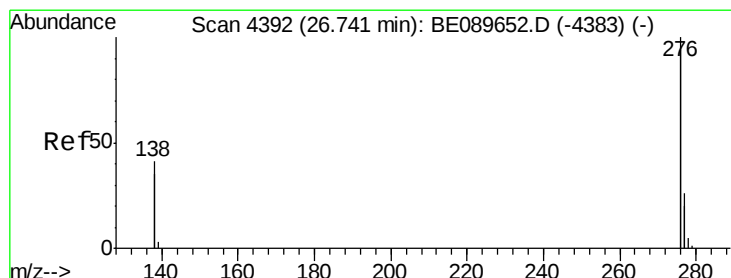
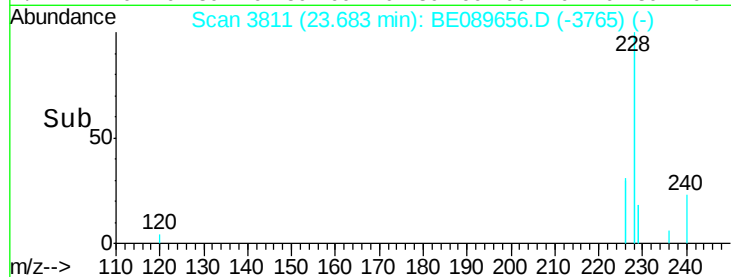
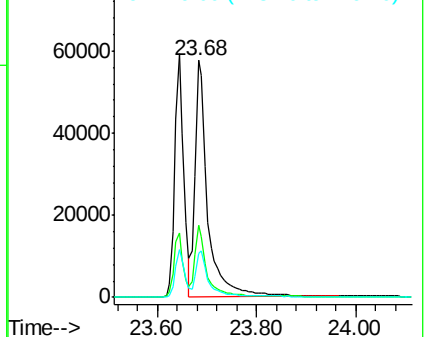
228 100

226 30.5 22.0 33.0

229 18.5 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: 0.88 ng

RT: 26.74 min Scan# 4394

Delta R.T. 0.00 min

Lab File: BE089656.D

Acq: 24 Feb 2015 00:47

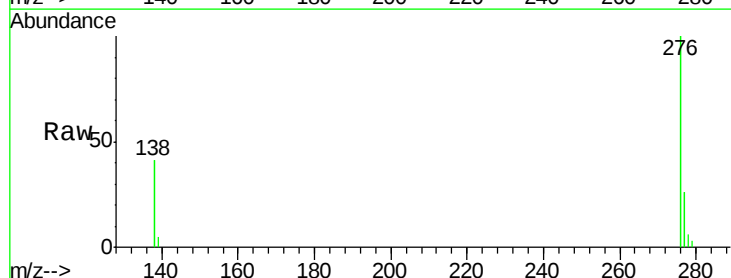
Tgt Ion: 276 Resp: 38013

Ion Ratio Lower Upper

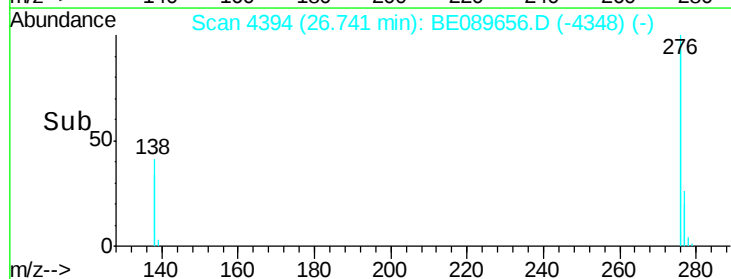
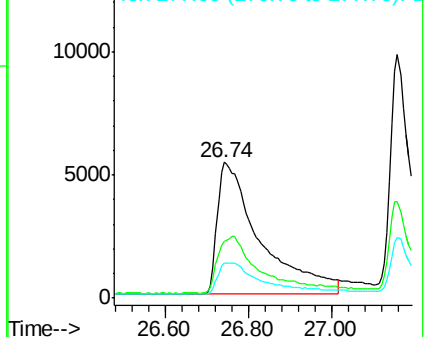
276 100

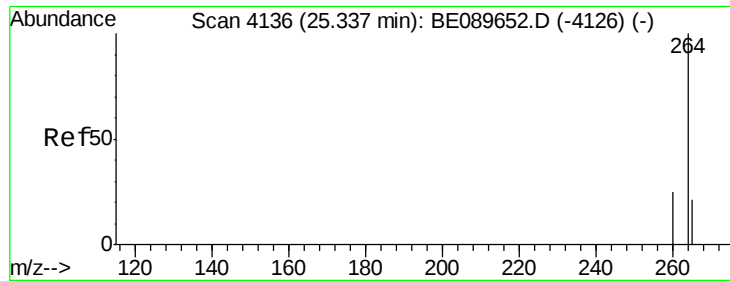
138 44.1 36.2 54.4

277 24.9 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

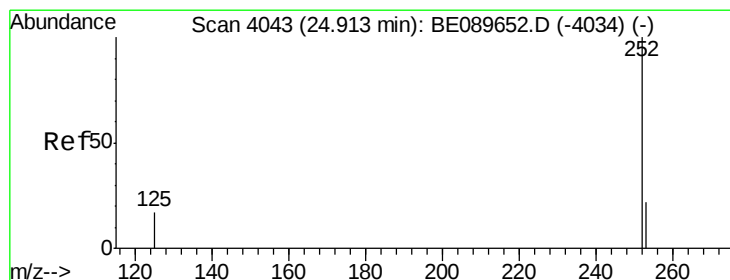
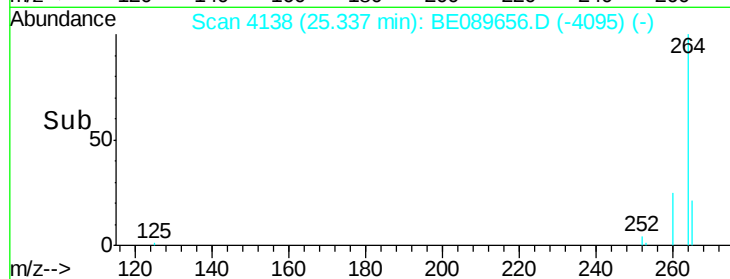
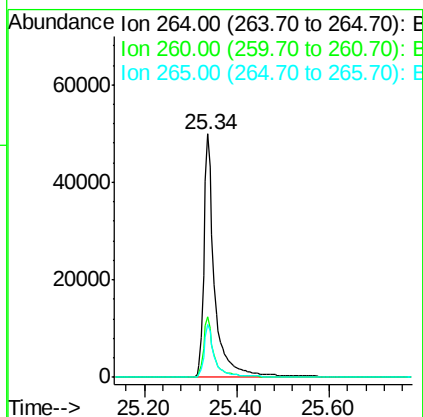
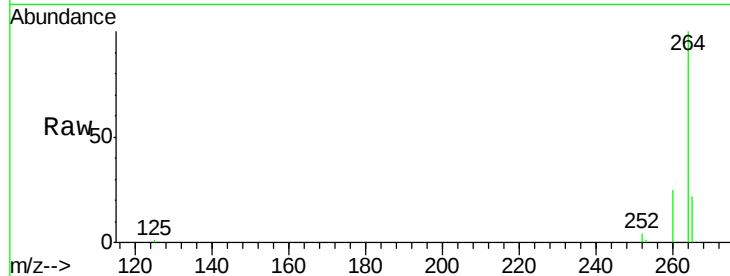




#25
 Perylene-d12
 Concen: 5.00 ng
 RT: 25.34 min Scan# 4138
 Delta R.T. 0.00 min
 Lab File: BE089656.D
 Acq: 24 Feb 2015 00:47

Tgt Ion: 264 Resp: 80098

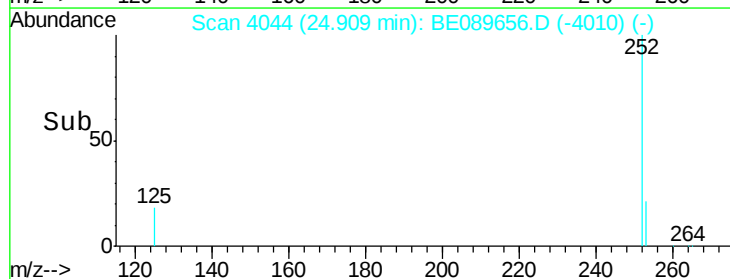
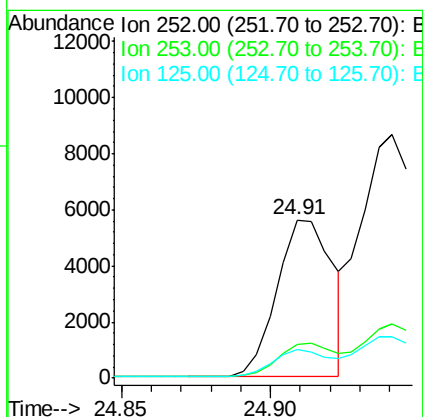
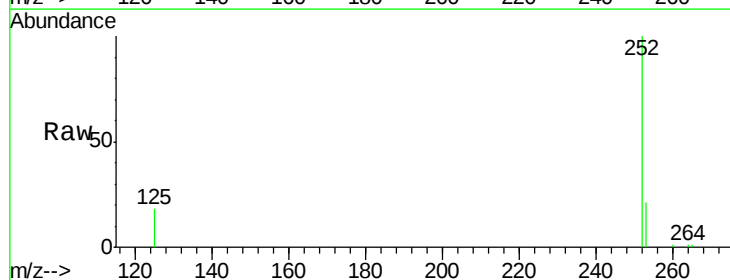
Ion	Ratio	Lower	Upper
264	100		
260	24.7	20.0	30.0
265	21.5	16.8	25.2

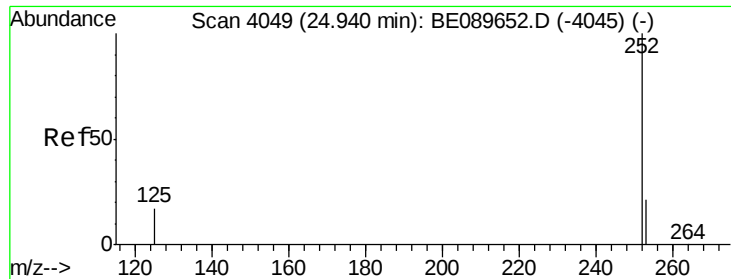


#26
 Benzo(b)fluoranthene
 Concen: 0.85 ng
 RT: 24.91 min Scan# 4044
 Delta R.T. -0.00 min
 Lab File: BE089656.D
 Acq: 24 Feb 2015 00:47

Tgt Ion: 252 Resp: 7294

Ion	Ratio	Lower	Upper
252	100		
253	21.2	18.3	27.5
125	18.4	14.6	22.0





#27

Benzo(k)fluoranthene

Concen: 1.02 ng

RT: 24.94 min Scan# 4051

Delta R.T. 0.00 min

Lab File: BE089656.D

Acq: 24 Feb 2015 00:47

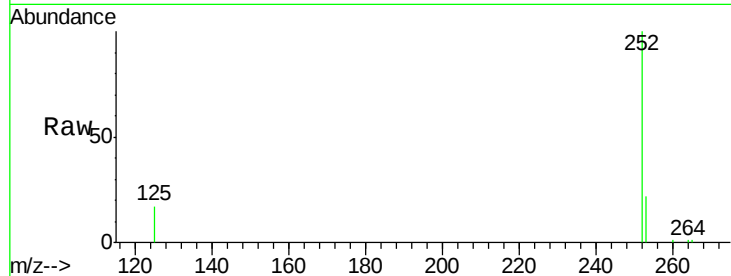
Tgt Ion: 252 Resp: 22156

Ion Ratio Lower Upper

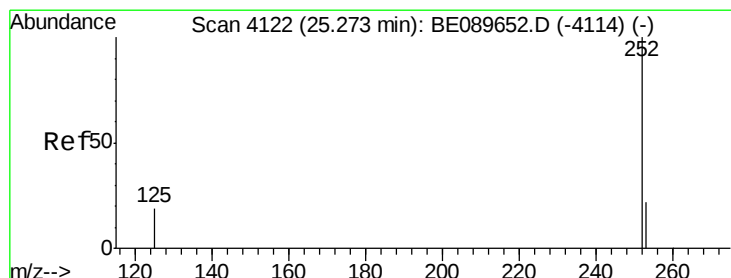
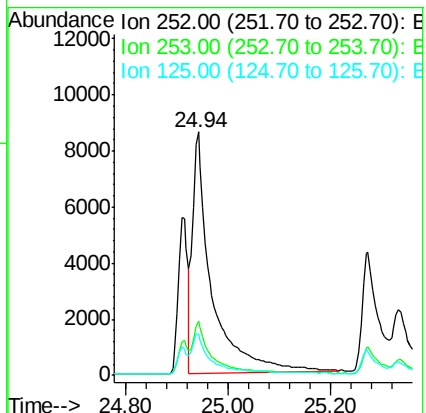
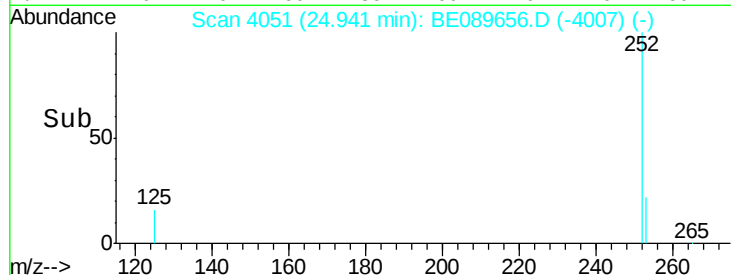
252 100

253 22.1 17.8 26.8

125 17.0 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: 0.88 ng

RT: 25.27 min Scan# 4124

Delta R.T. 0.00 min

Lab File: BE089656.D

Acq: 24 Feb 2015 00:47

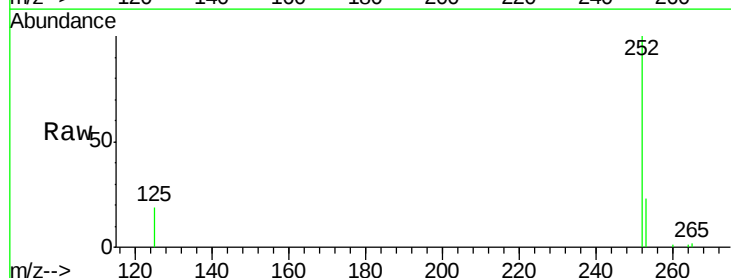
Tgt Ion: 252 Resp: 8520

Ion Ratio Lower Upper

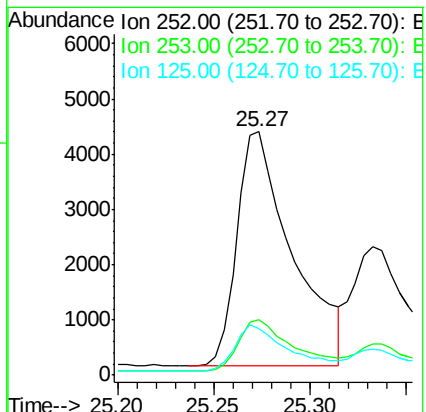
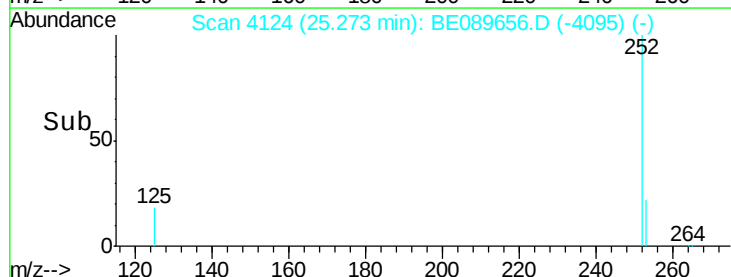
252 100

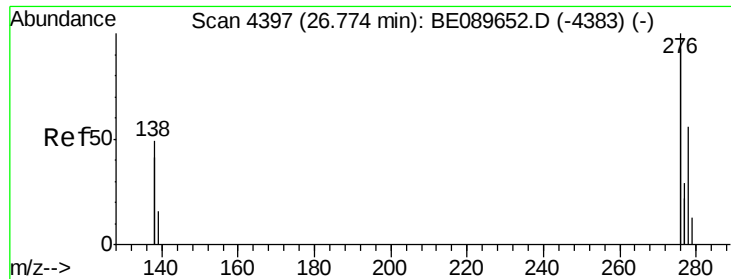
253 22.8 18.4 27.6

125 19.2 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: 0.88 ng

RT: 26.77 min Scan# 4399

Delta R.T. 0.00 min

Lab File: BE089656.D

Acq: 24 Feb 2015 00:47

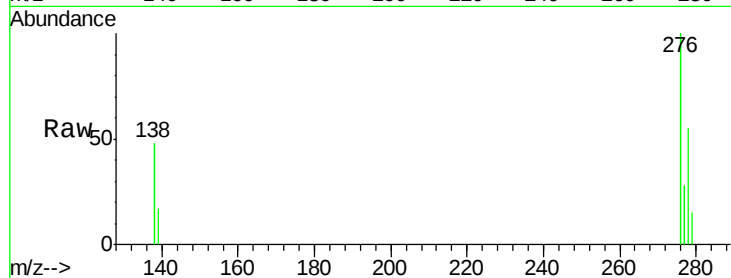
Tgt Ion: 278 Resp: 7055

Ion Ratio Lower Upper

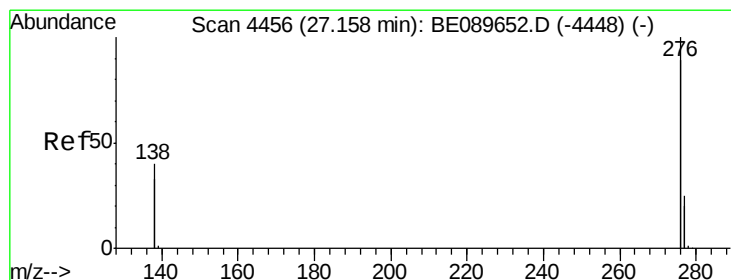
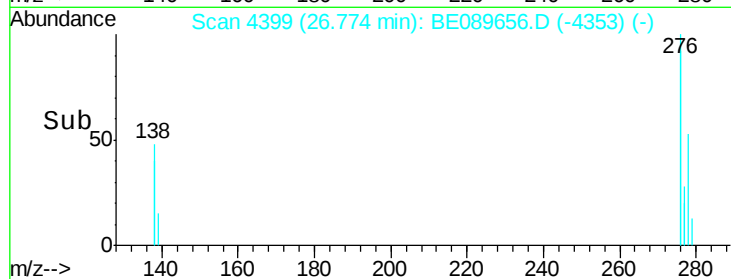
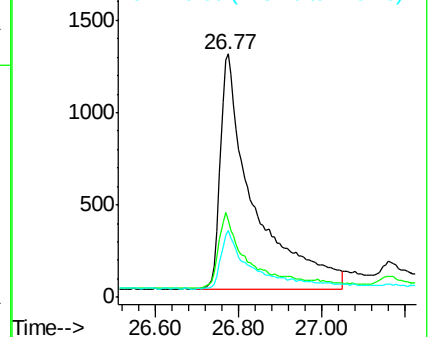
278 100

139 31.6 25.4 38.2

279 27.4 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: 0.92 ng

RT: 27.16 min Scan# 4458

Delta R.T. 0.00 min

Lab File: BE089656.D

Acq: 24 Feb 2015 00:47

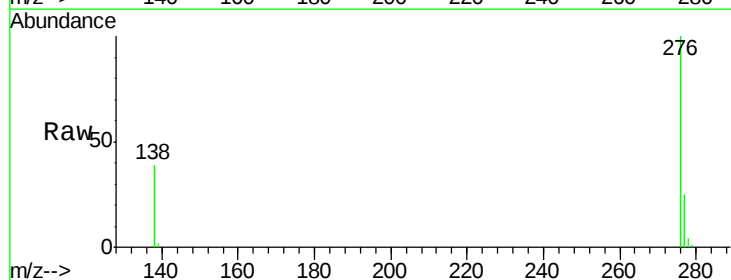
Tgt Ion: 276 Resp: 41435

Ion Ratio Lower Upper

276 100

277 25.0 20.2 30.2

138 39.4 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

