

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

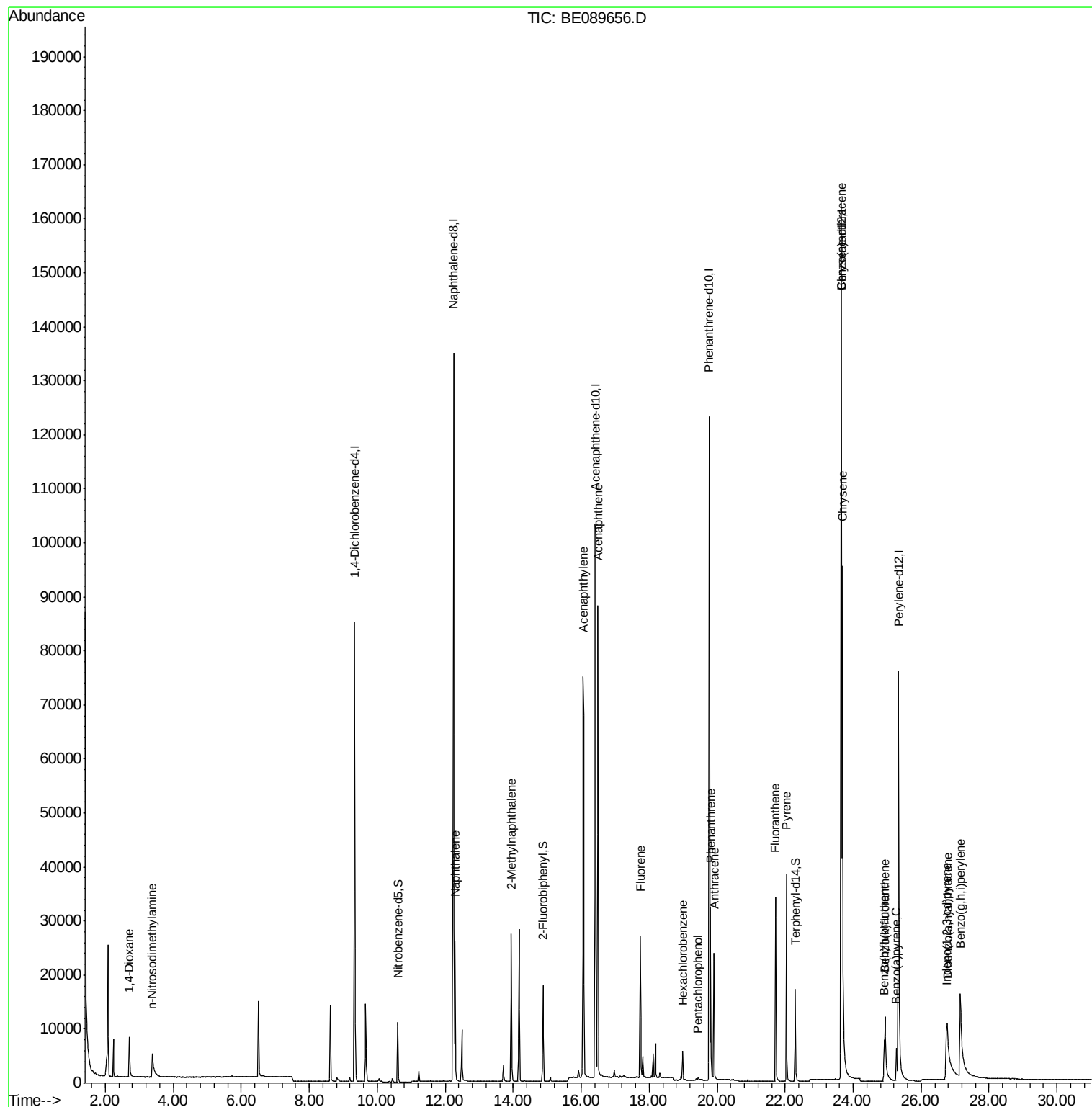
Target Compounds

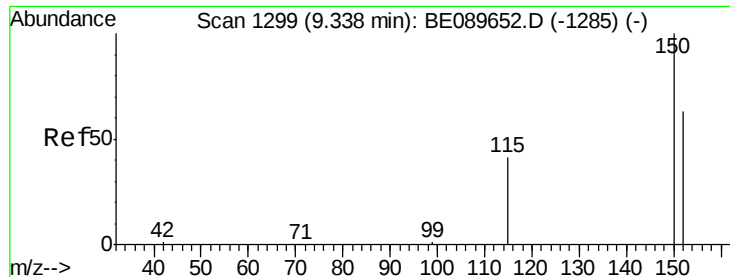
						Ovalue
2) 1,4-Dioxane	2.70	88	4831	1.01	ng	96
3) n-Nitrosodimethylamine	3.37	42	6653	1.04	ng	97
6) Naphthalene	12.29	128	32335	1.00	ng	100
7) 2-Methylnaphthalene	13.94	142	18667	1.03	ng	100
10) Acenaphthylene	16.06	152	107477	1.04	ng	100
11) Acenaphthene	16.49	154	16982	1.01	ng	99
12) Fluorene	17.74	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

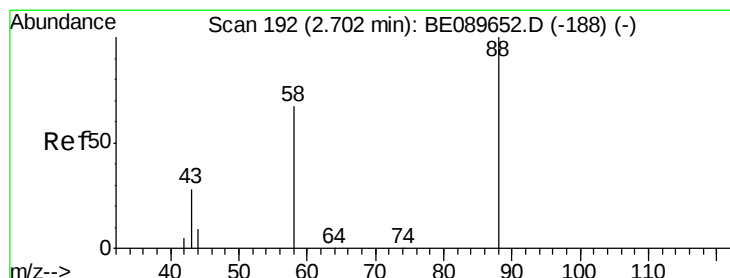
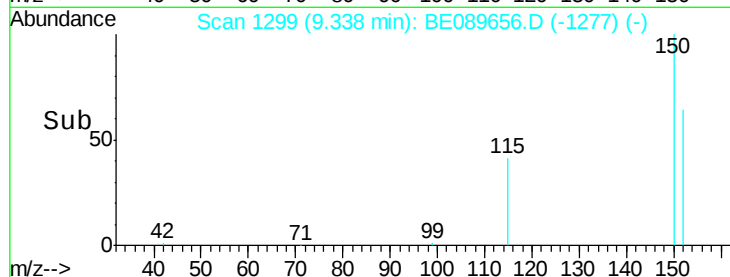
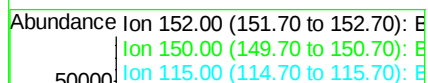
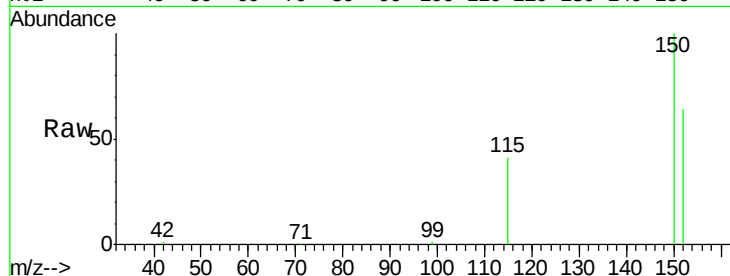
Tot Ion:152 Resp: 37226

Ion Ratio Lower Upper

152 100

150 155.4 127.0 190.6

115 63.5 52.4 78.6



#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

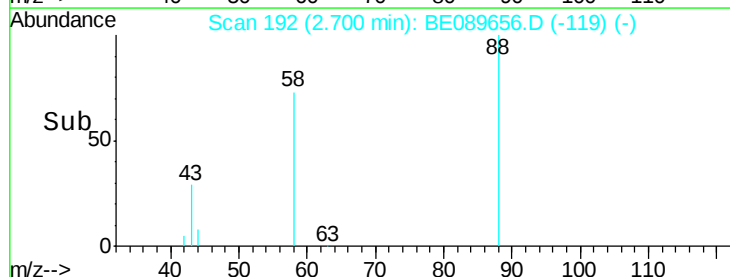
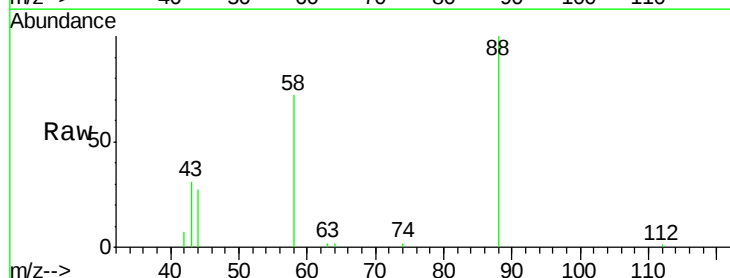
Tgt Ion: 88 Resp: 4831

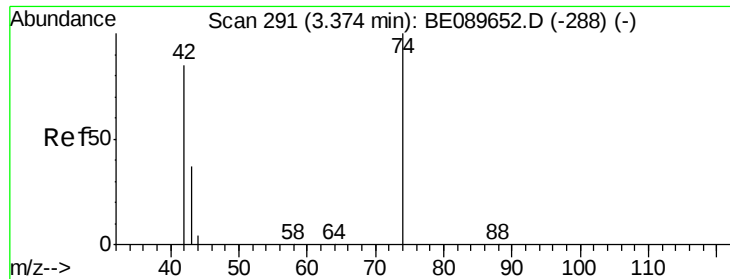
Ion Ratio Lower Upper

88 100

58 81.2 61.8 92.6

43 34.4 26.4 39.6

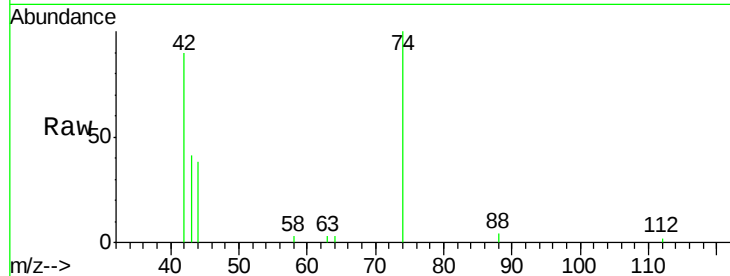




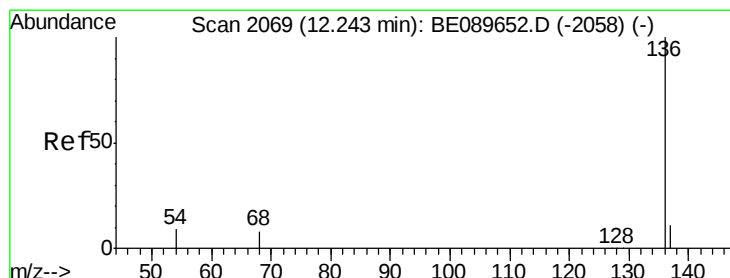
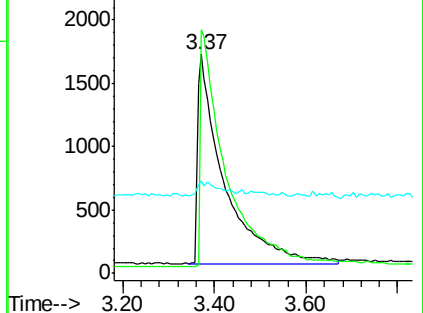
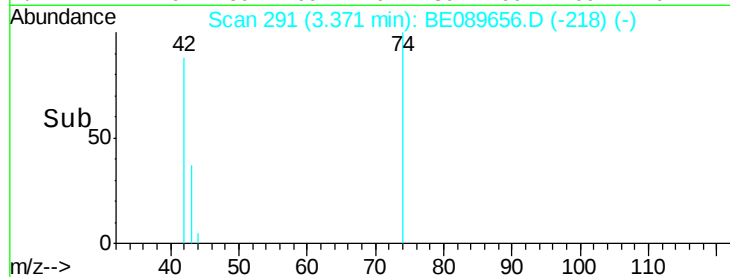
#3

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

Tot Ion	Ratio	Lower	Upper
42	100		
74	111.9	92.5	138.7
44	5.4	4.9	7.3



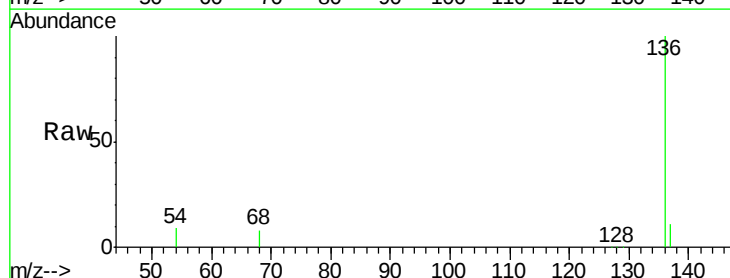
Abundance Ion 42.00 (41.70 to 42.70): BE0
 Ion 74.00 (73.70 to 74.70): BE0
 Ion 44.00 (43.70 to 44.70): BE0



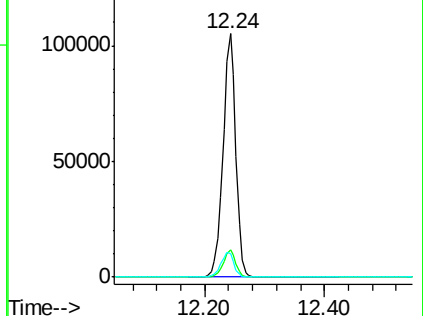
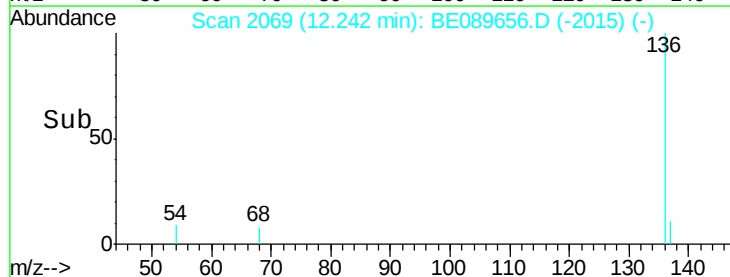
#4

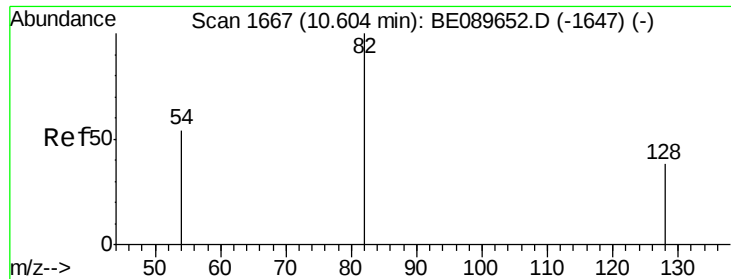
Naphthalene-d8
 Concen: 5.00 ng
 RT: 12.24 min Scan# 2069
 Delta R.T. -0.00 min
 Lab File: BE089656.D
 Acq: 24 Feb 2015 00:47

Tgt Ion	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

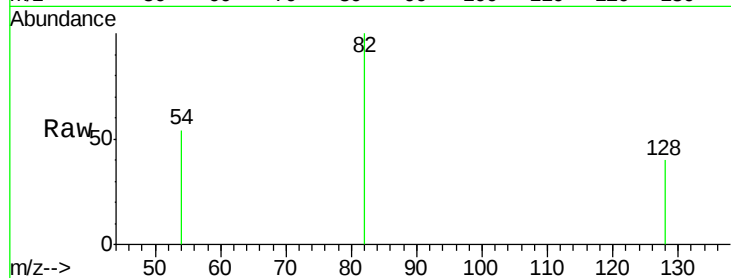
Delta R.T. 0.00 min

Lab File: BE089656.D

Acq: 24 Feb 2015 00:47

Tot Ion: 82 Resp: 8307

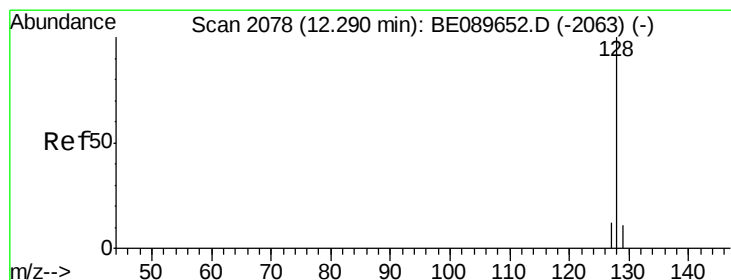
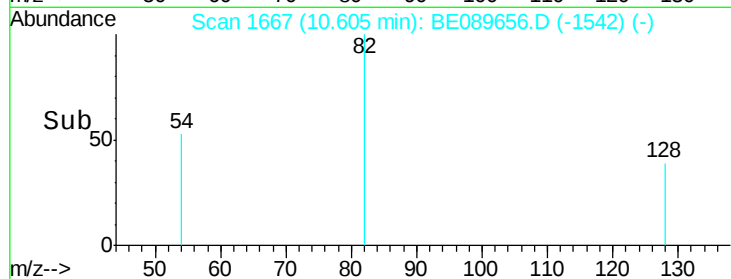
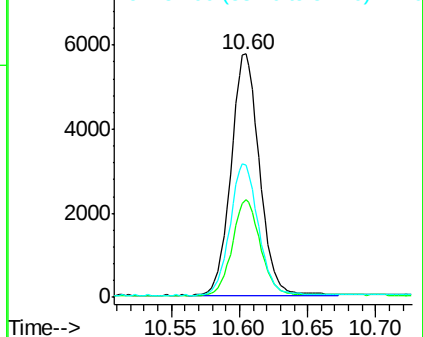
Ion	Ratio	Lower	Upper
82	100		
128	39.9	31.0	46.4
54	54.5	43.8	65.8



Abundance Ion 82.00 (81.70 to 82.70): BE089656.D (-1542) (-)

Ion 128.00 (127.70 to 128.70): BE089656.D (-1542) (-)

Ion 54.00 (53.70 to 54.70): BE089656.D (-1542) (-)



#6

Naphthalene

Concen: 1.00 ng

RT: 12.29 min Scan# 2078

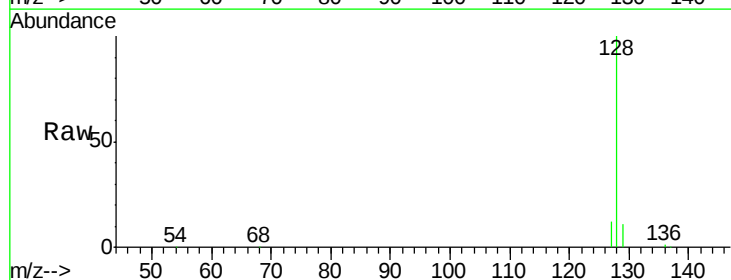
Delta R.T. -0.00 min

Lab File: BE089656.D

Acq: 24 Feb 2015 00:47

Tgt Ion: 128 Resp: 32335

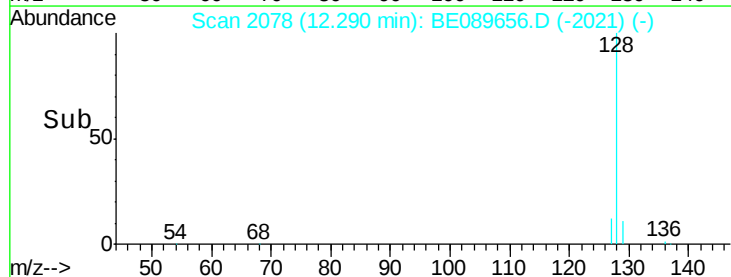
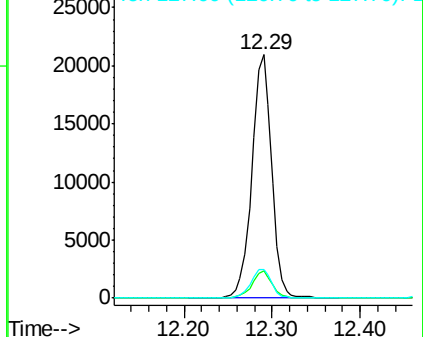
Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.8	13.2
127	12.0	9.8	14.6



Abundance Ion 128.00 (127.70 to 128.70): BE089656.D (-2021) (-)

Ion 129.00 (128.70 to 129.70): BE089656.D (-2021) (-)

Ion 127.00 (126.70 to 127.70): BE089656.D (-2021) (-)





#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

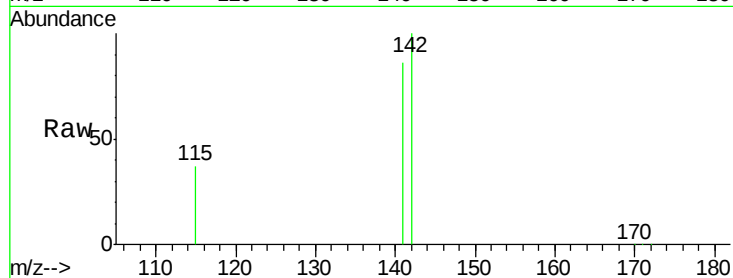
Tot Ion:142 Resp: 18667

Ion Ratio Lower Upper

142 100

141 85.9 68.6 103.0

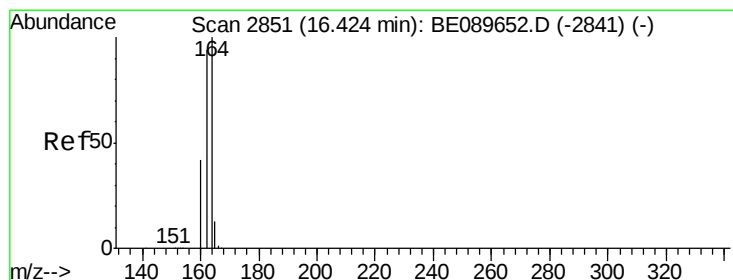
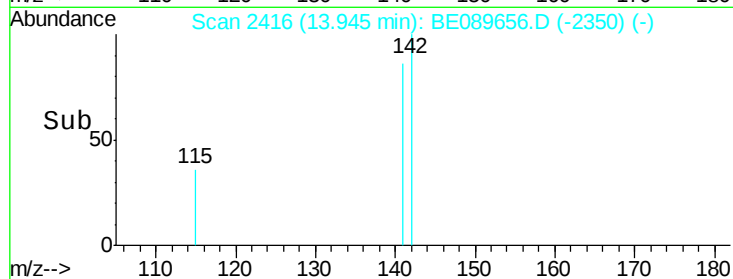
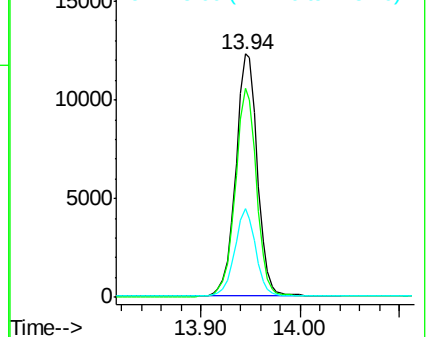
115 36.6 29.0 43.6



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: 16.43 min Scan# 2852

Delta R.T. 0.00 min

Lab File: BE089656.D

Acq: 24 Feb 2015 00:47

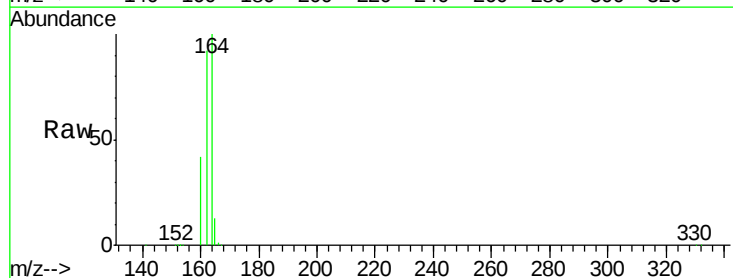
Tgt Ion:164 Resp: 70264

Ion Ratio Lower Upper

164 100

162 92.4 75.4 113.2

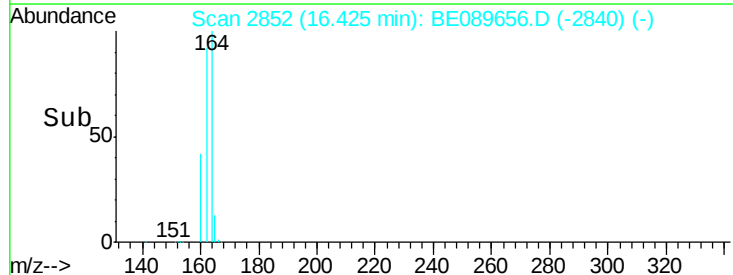
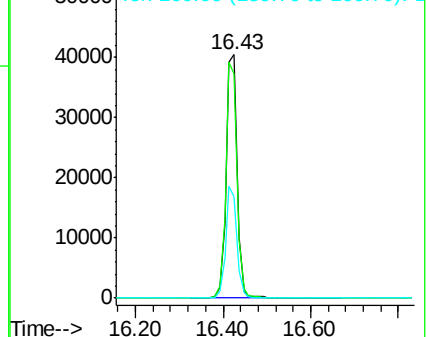
160 41.6 33.7 50.5



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#9

2-Fluorobiphenyl

Concen: 0.98 ng

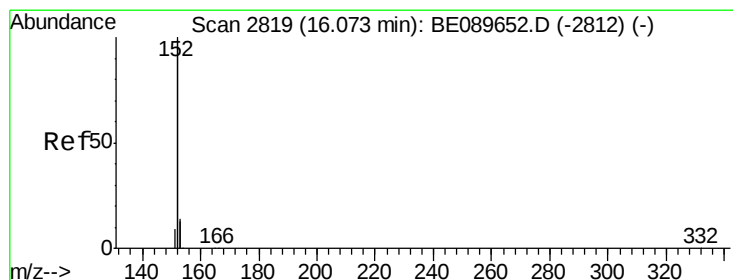
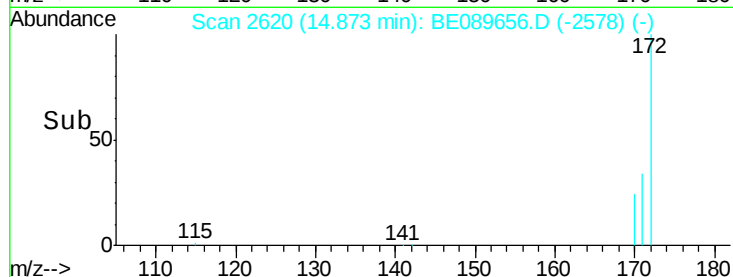
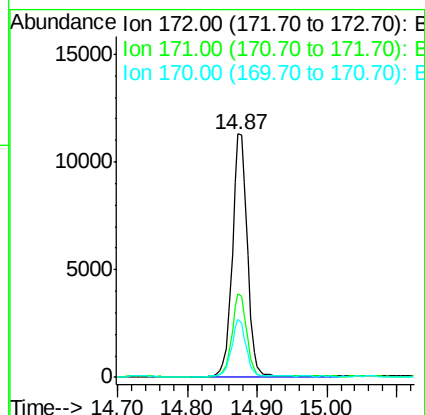
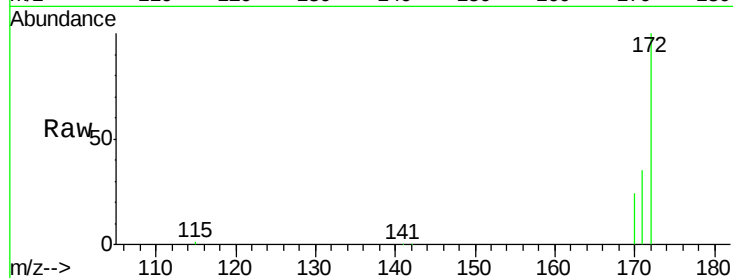
RT: 14.87 min Scan# 2620

Delta R.T. -0.00 min

Lab File: BE089656.D

Acq: 24 Feb 2015 00:47

Tot 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

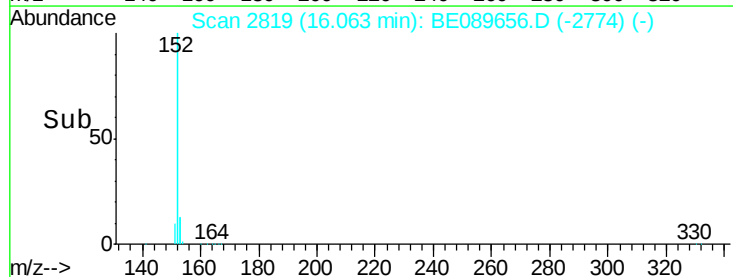
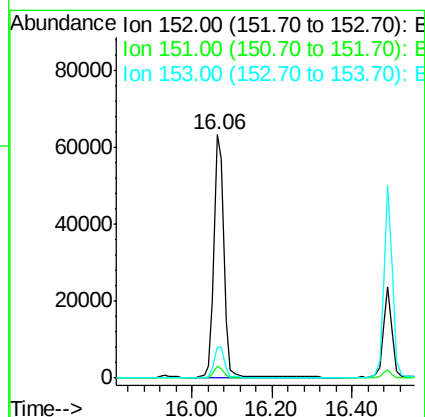
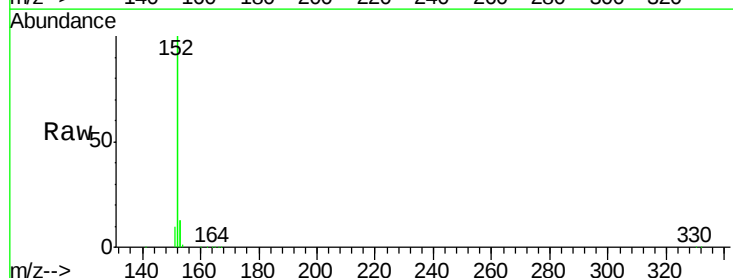
RT: 16.06 min Scan# 2819

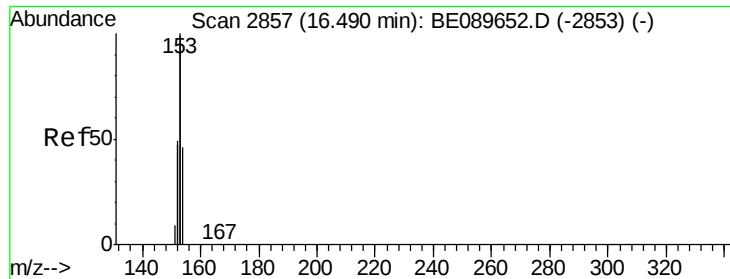
Delta R.T. -0.01 min

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

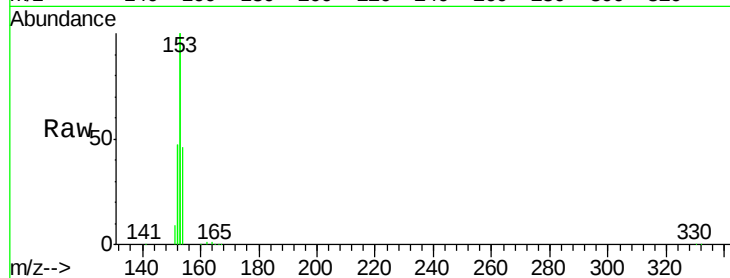
Delta R.T. 0.00 min

Lab File: BE089656.D

Acq: 24 Feb 2015 00:47

Tot Ion:154 Resp: 16982

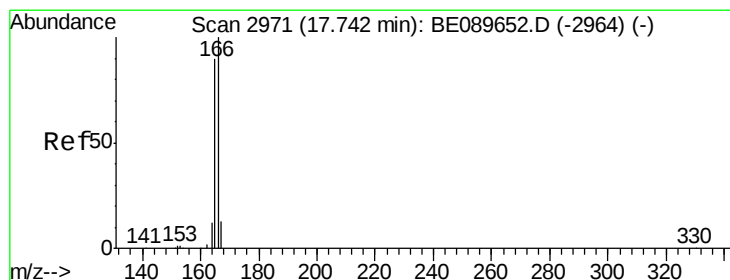
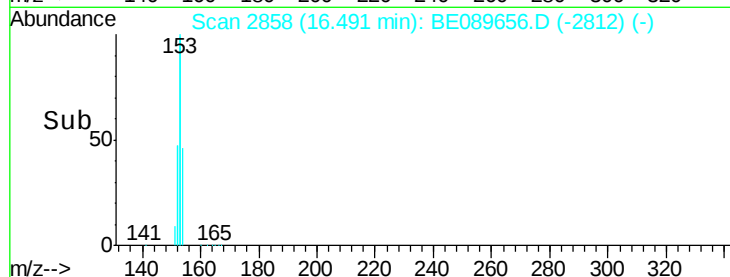
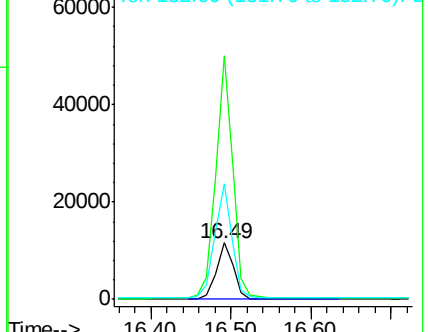
Ion	Ratio	Lower	Upper
154	100		
153	433.7	343.0	514.4
152	206.6	165.8	248.8



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#12

Fluorene

Concen: 1.03 ng

RT: 17.74 min Scan# 2972

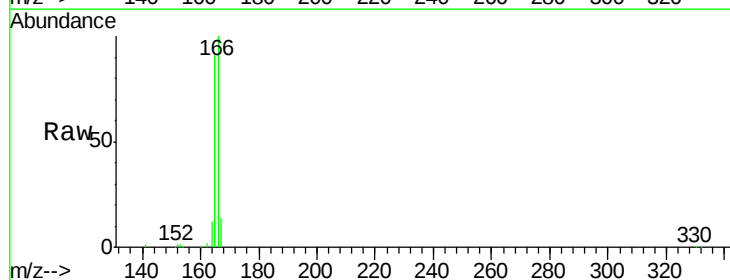
Delta R.T. 0.00 min

Lab File: BE089656.D

Acq: 24 Feb 2015 00:47

Tgt Ion:166 Resp: 19013

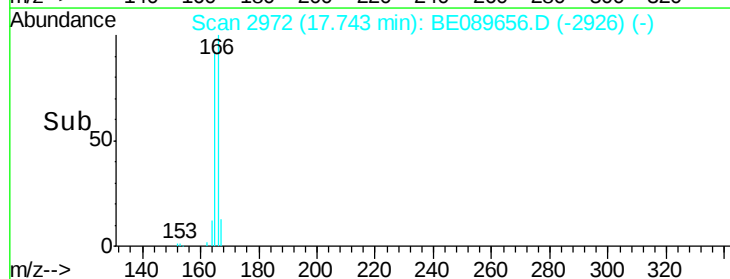
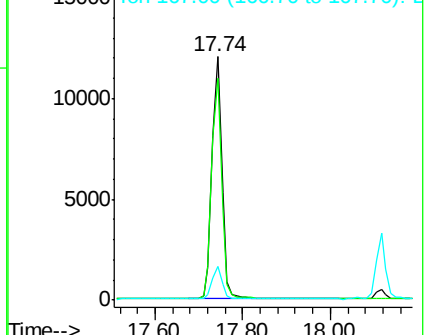
Ion	Ratio	Lower	Upper
166	100		
165	92.2	73.6	110.4
167	13.0	10.5	15.7

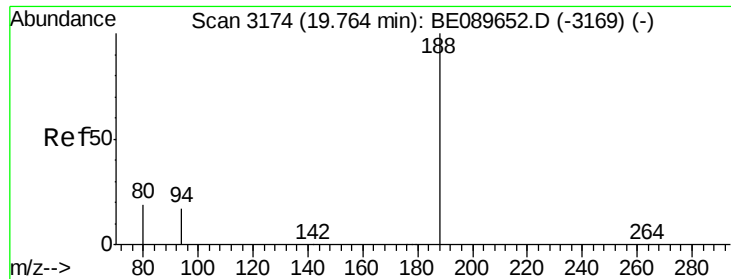


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

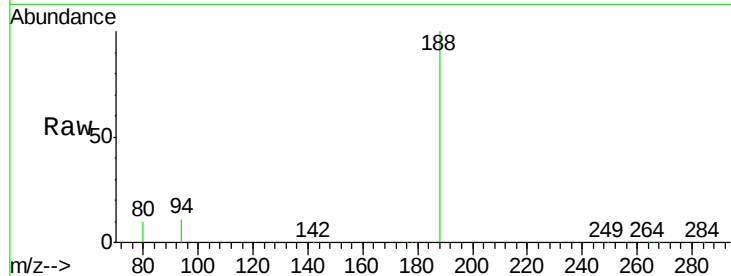
Ion 167.00 (166.70 to 167.70): E





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

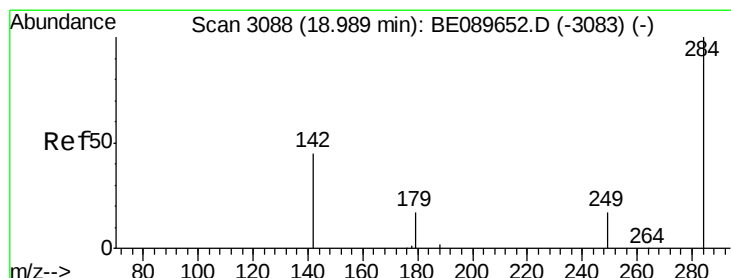
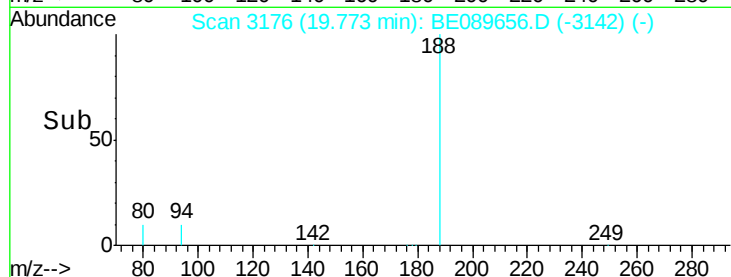
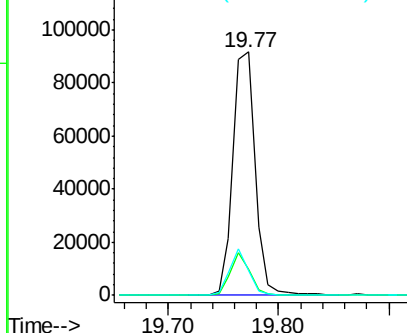
Tot Ion	Ratio	Lower	Upper
188	100		
94	10.5	13.8	20.8#
80	10.3	15.0	22.6#



Abundance Ion 188.00 (187.70 to 188.70): E

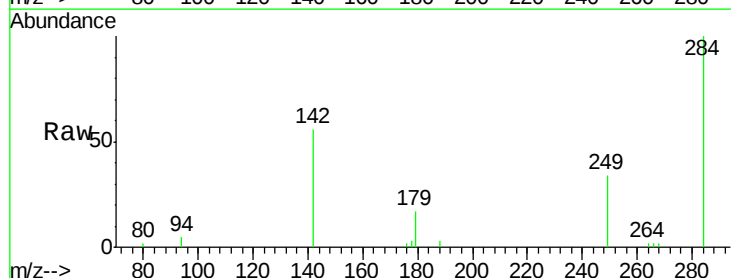
Ion 94.00 (93.70 to 94.70): BE0

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

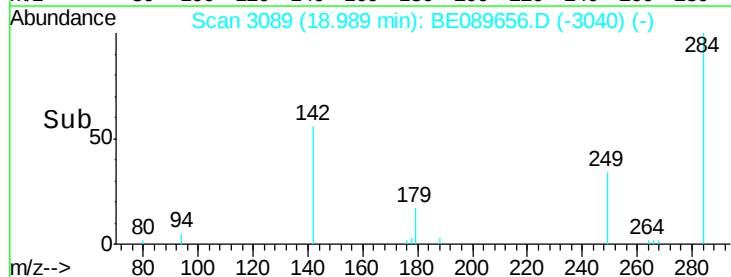
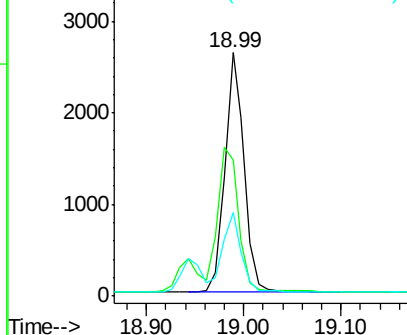
Tgt Ion	Ratio	Lower	Upper
284	100		
142	65.0	55.0	82.6
249	32.1	26.1	39.1

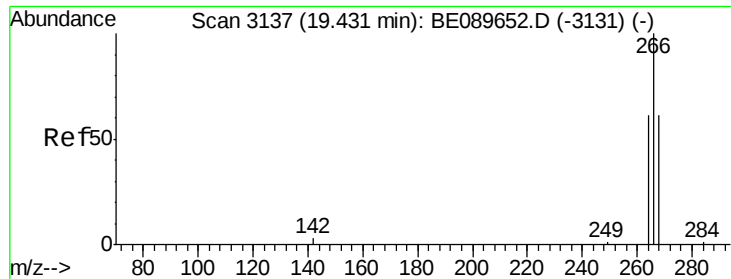


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

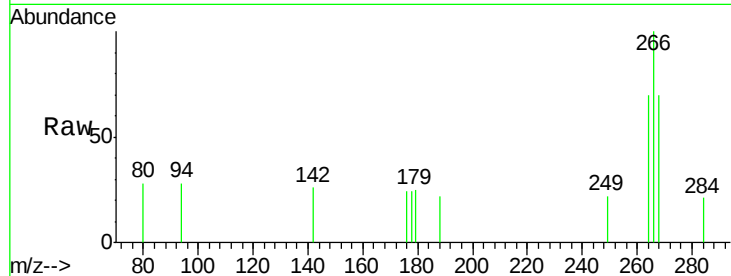
Ion 249.00 (248.70 to 249.70): E



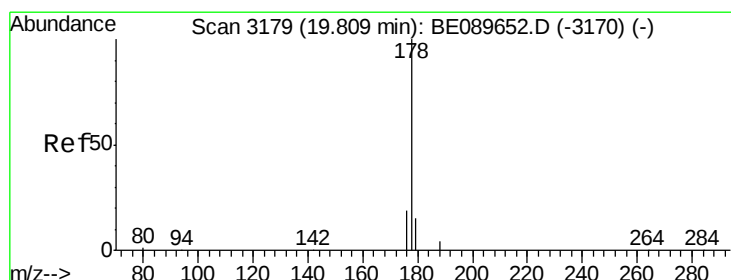
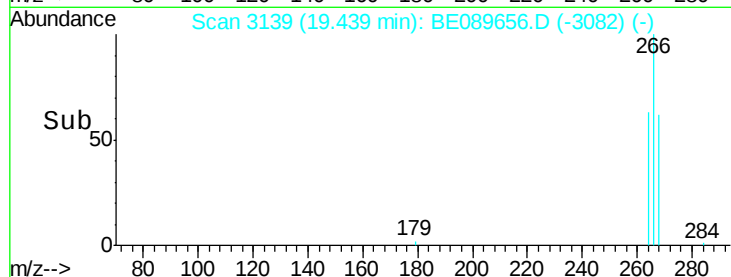
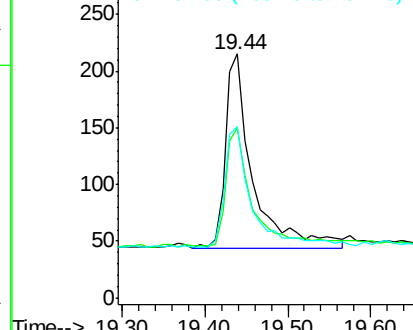


#15
 Pentachlorophenol
 Concen: 0.94 ng
 RT: 19.44 min Scan# 3139
 Delta R.T. 0.01 min
 Lab File: BE089656.D
 Acq: 24 Feb 2015 00:47

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

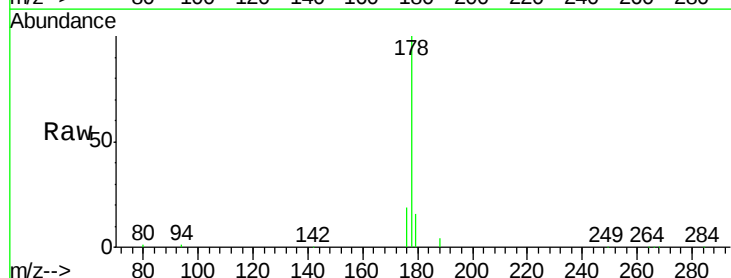


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

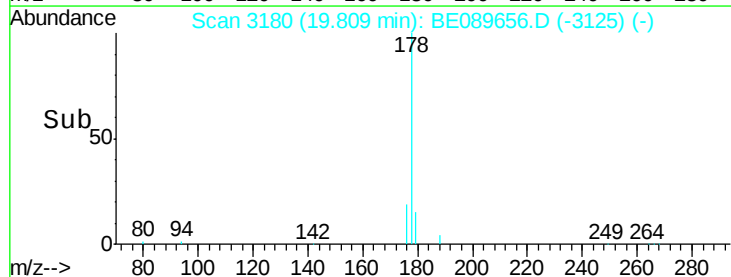
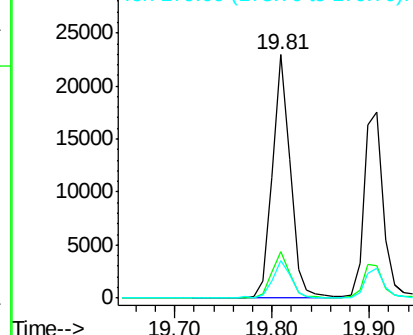


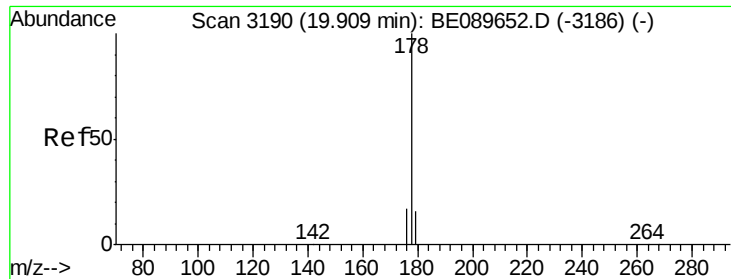
#16
 Phenanthrene
 Concen: 1.02 ng
 RT: 19.81 min Scan# 3180
 Delta R.T. -0.00 min
 Lab File: BE089656.D
 Acq: 24 Feb 2015 00:47

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



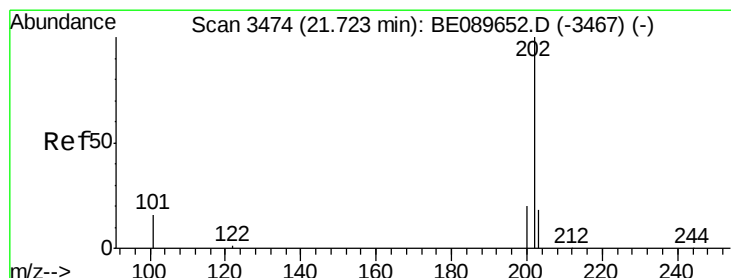
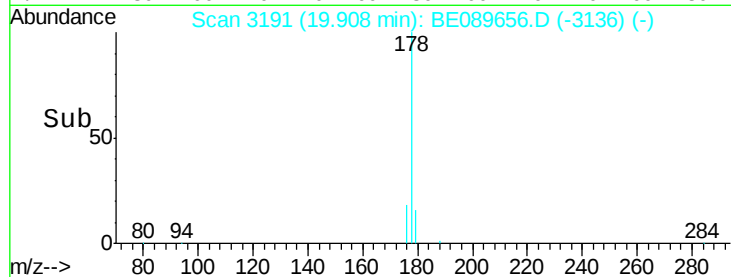
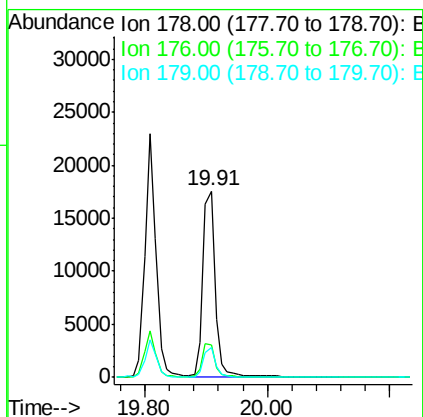
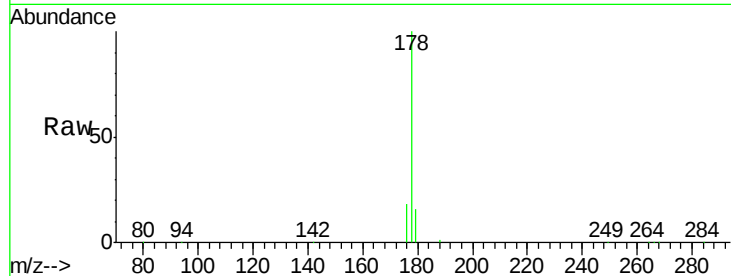
Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E





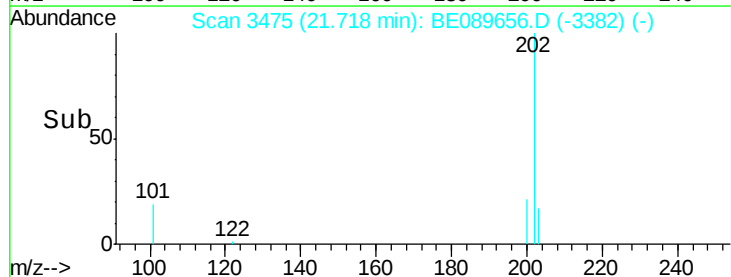
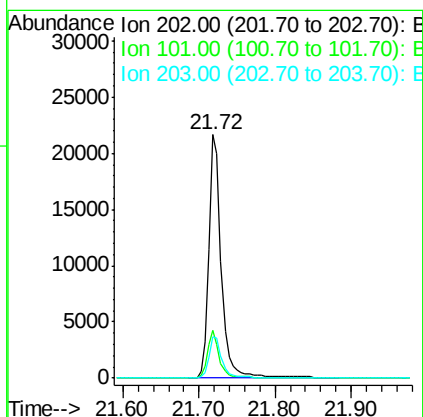
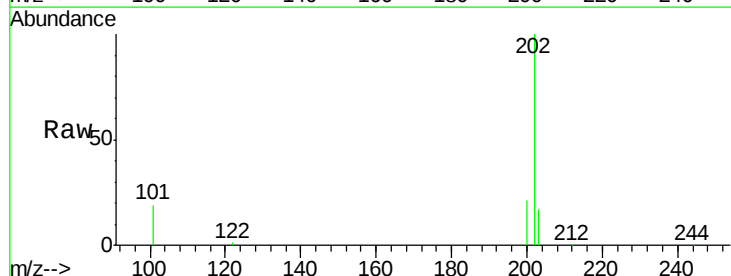
#17
 Anthracene
 Concen: 1.03 ng
 RT: 19.91 min Scan# 3191
 Delta R.T. -0.00 min
 Lab File: BE089656.D
 Acq: 24 Feb 2015 00:47

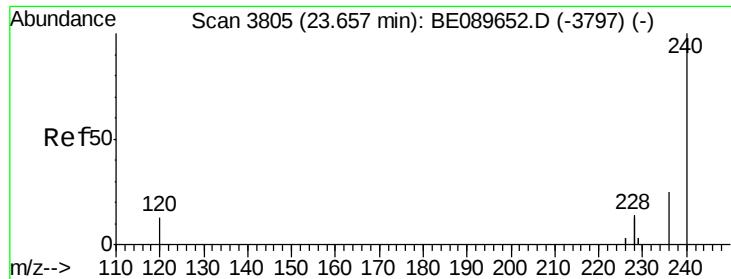
Tot Ion:178 Resp: 24647
 Ion Ratio Lower Upper
 178 100
 176 18.5 14.3 21.5
 179 15.1 12.1 18.1



#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

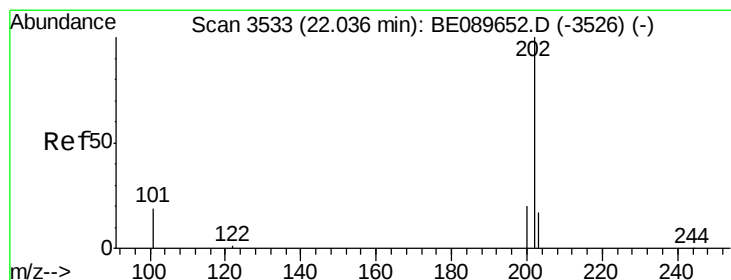
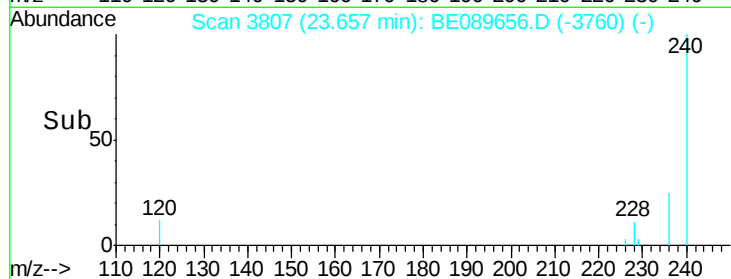
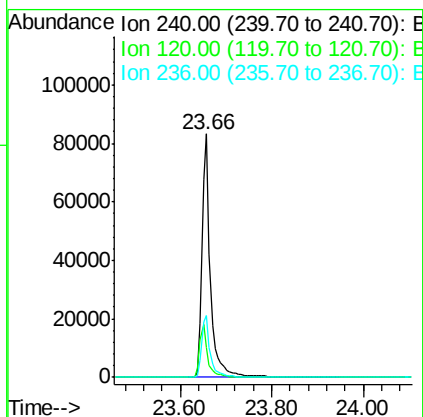
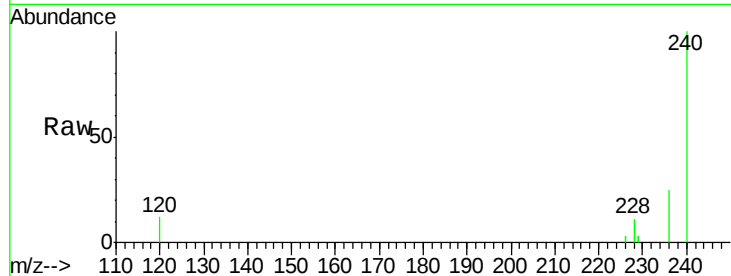
Tgt Ion:202 Resp: 24712
 Ion Ratio Lower Upper
 202 100
 101 18.1 14.9 22.3
 203 17.3 13.7 20.5





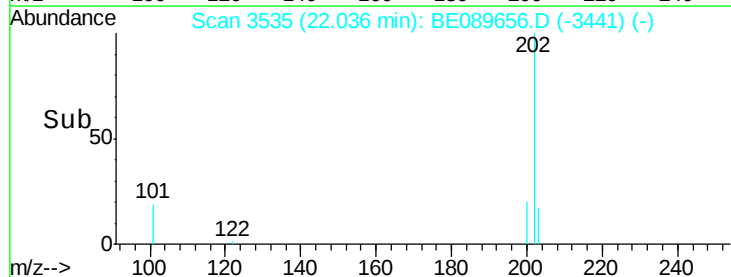
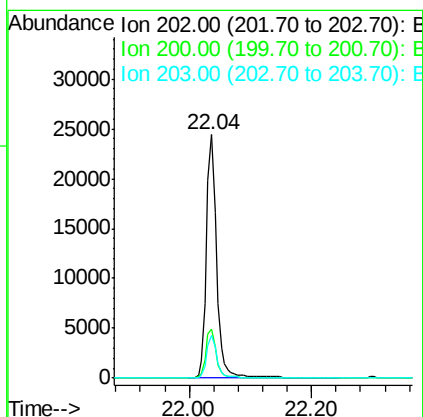
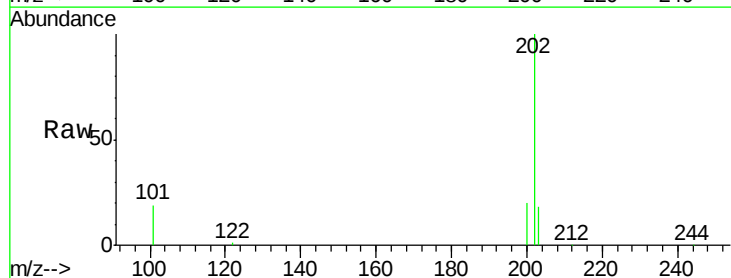
#19
Chrysene-d12
Concen: 5.00 ng
RT: 23.66 min Scan# 3807
Delta R.T. 0.00 min
Lab File: BE089656.D
Acq: 24 Feb 2015 00:47

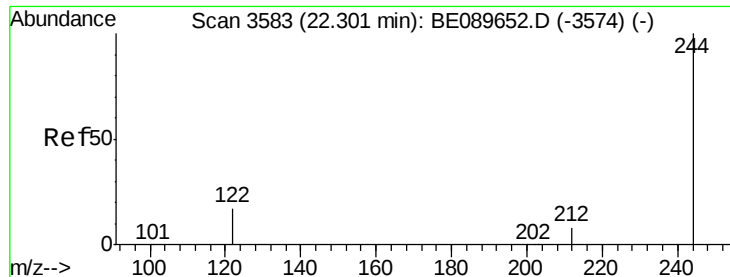
Tot Ion:240 Resp: 104344
Ion Ratio Lower Upper
240 100
120 12.0 10.6 15.8
236 25.2 20.3 30.5



#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





#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

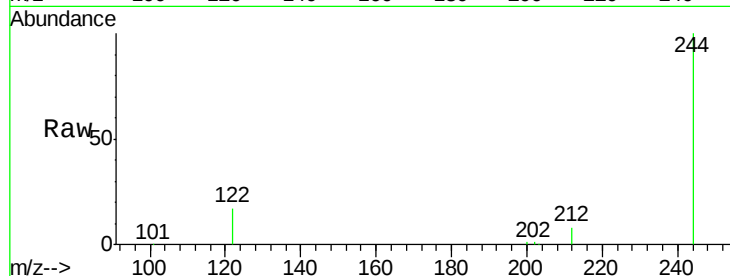
Tot Ion:244 Resp: 16175

Ion Ratio Lower Upper

244 100

212 8.3 6.6 10.0

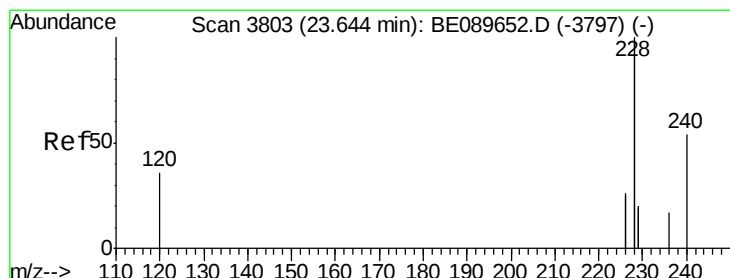
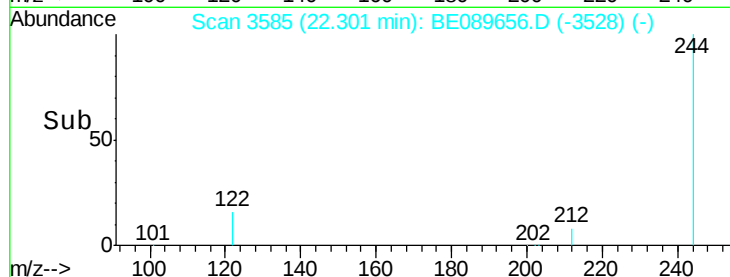
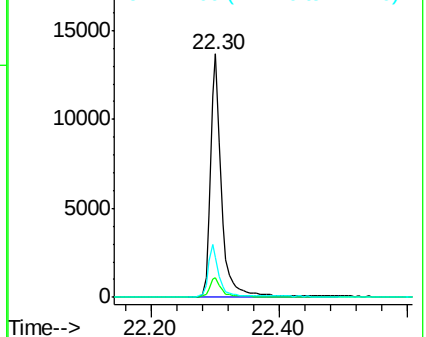
122 16.7 13.7 20.5



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#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

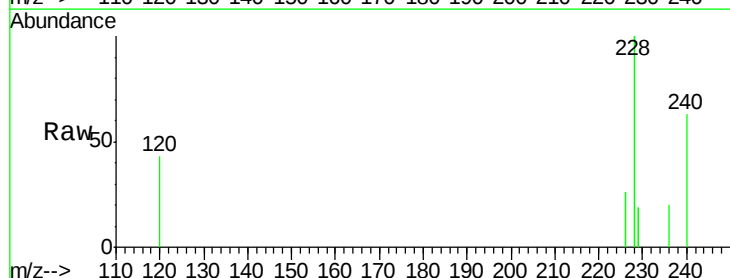
Tgt Ion:228 Resp: 72212

Ion Ratio Lower Upper

228 100

226 26.3 20.9 31.3

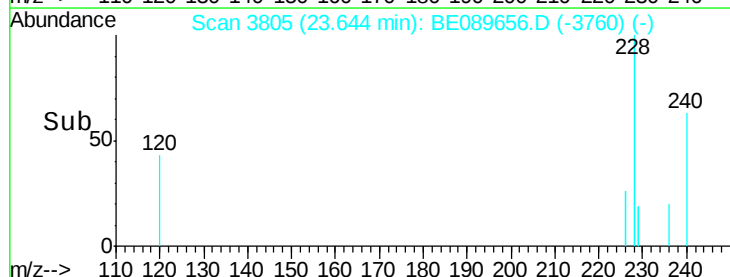
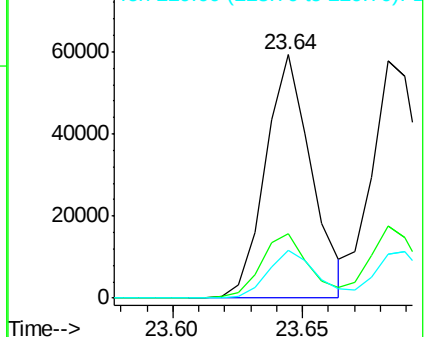
229 19.5 15.8 23.6



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





#23

Chrysene

Concen: 1.02 ng

RT: 23.68 min Scan# 3811

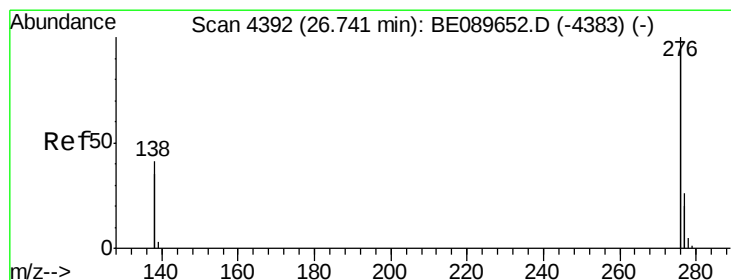
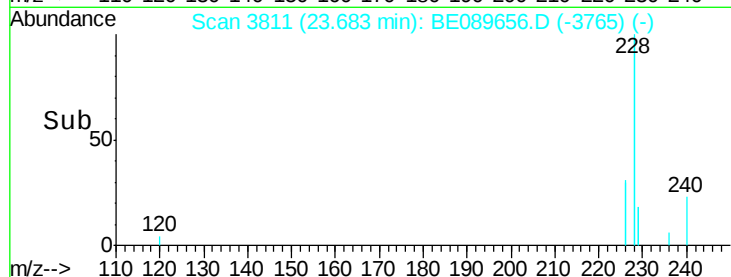
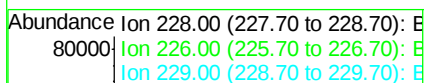
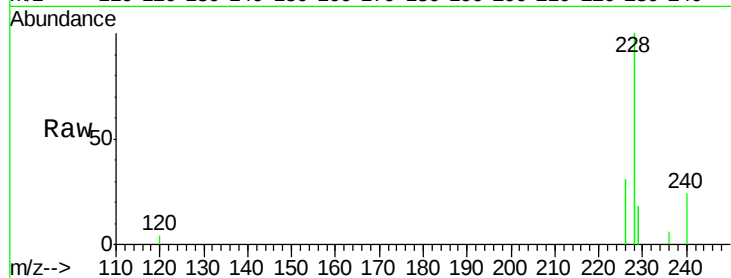
Delta R.T. -0.01 min

Lab File: BE089656.D

Acq: 24 Feb 2015 00:47

Tot Ion:228 Resp: 100333

Ion	Ratio	Lower	Upper
228	100		
226	30.5	22.0	33.0
229	18.5	16.6	24.8



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.88 ng

RT: 26.74 min Scan# 4394

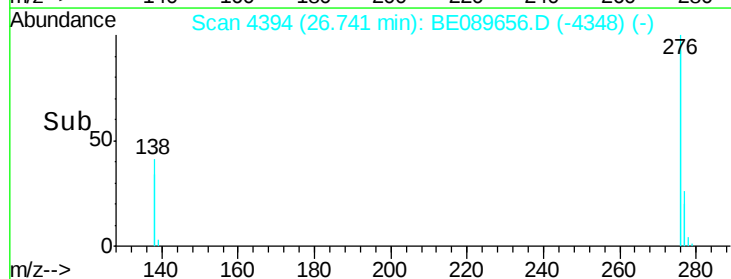
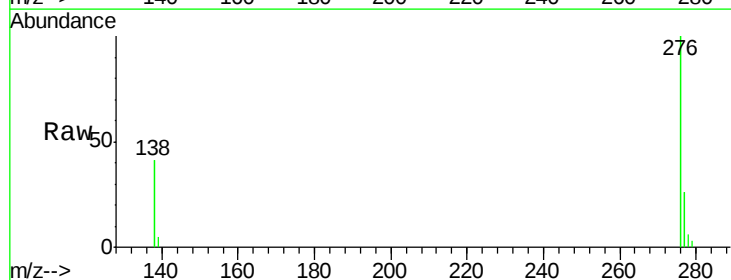
Delta R.T. 0.00 min

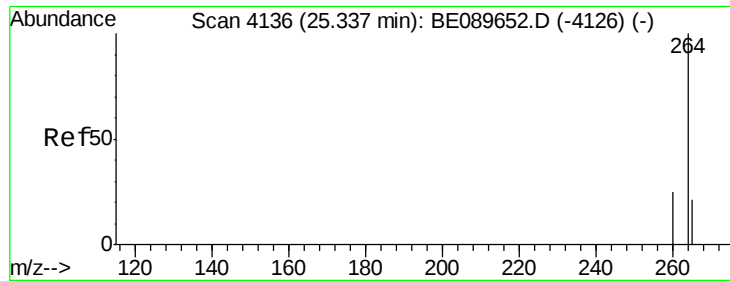
Lab File: BE089656.D

Acq: 24 Feb 2015 00:47

Tgt Ion:276 Resp: 38013

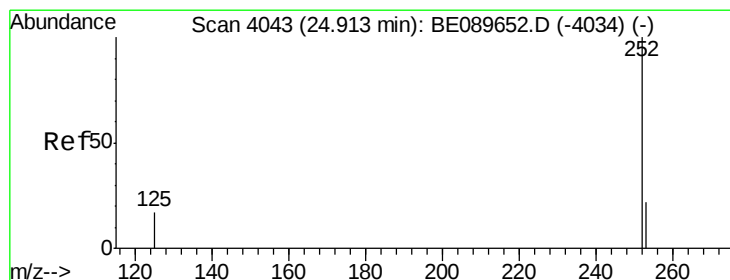
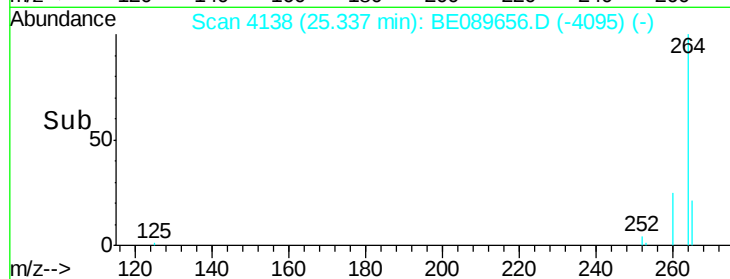
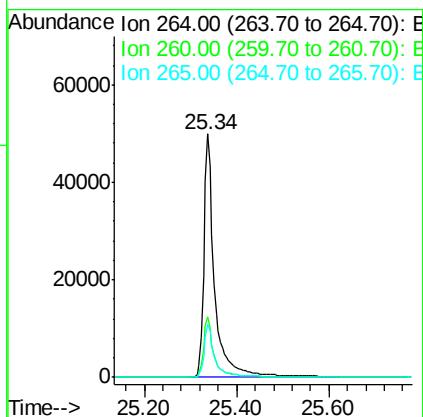
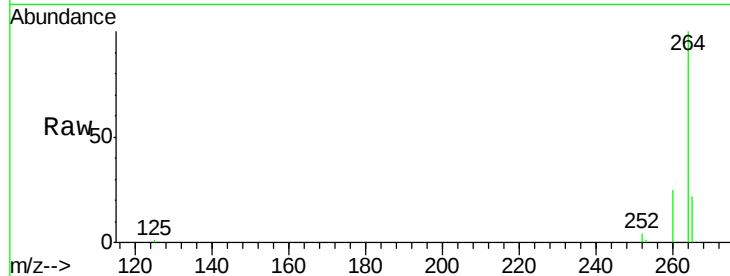
Ion	Ratio	Lower	Upper
276	100		
138	44.1	36.2	54.4
277	24.9	5.4	8.2





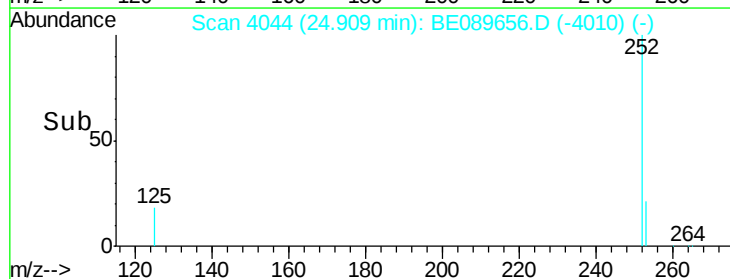
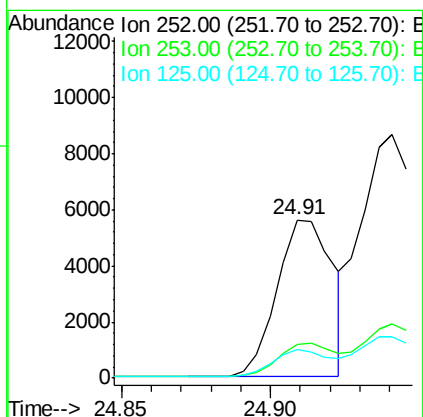
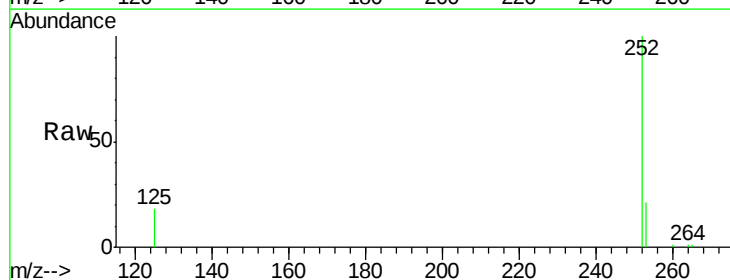
#25
Pervlene-d12
Concen: 5.00 ng
RT: 25.34 min Scan# 4138
Delta R.T. 0.00 min
Lab File: BE089656.D
Acq: 24 Feb 2015 00:47

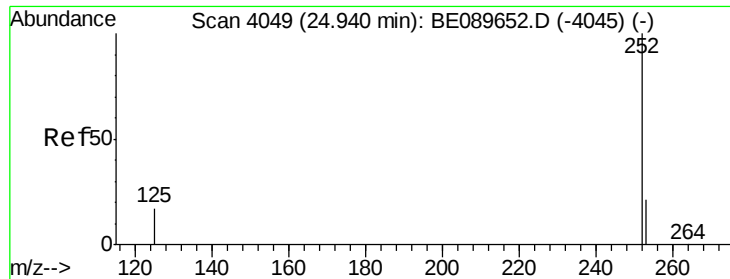
Tot Ion: 264 Resp: 80098
Ion Ratio Lower Upper
264 100
260 24.7 20.0 30.0
265 21.5 16.8 25.2



#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

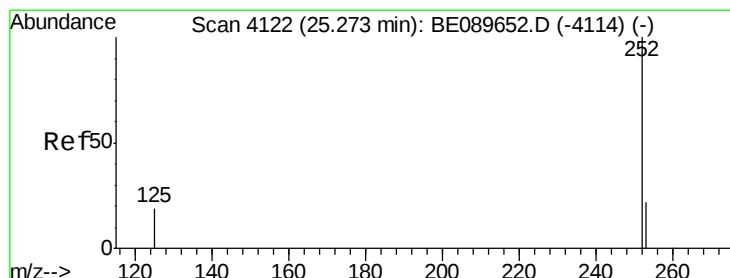
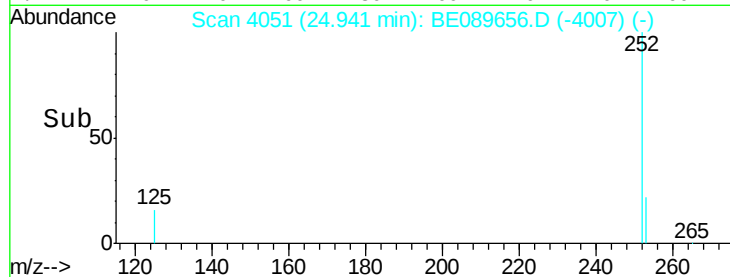
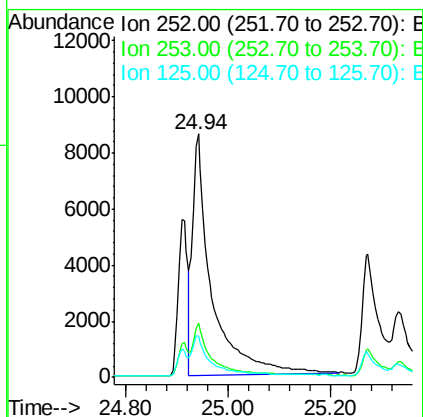
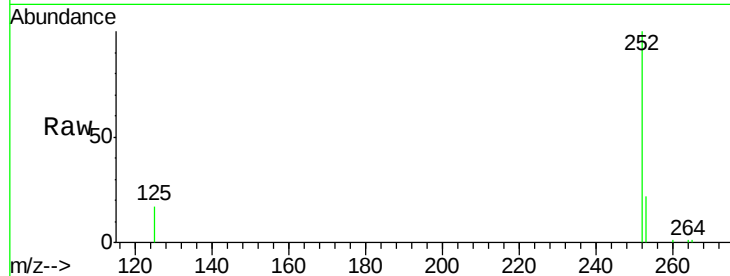
Tgt Ion: 252 Resp: 7294
Ion Ratio Lower Upper
252 100
253 21.2 18.3 27.5
125 18.4 14.6 22.0





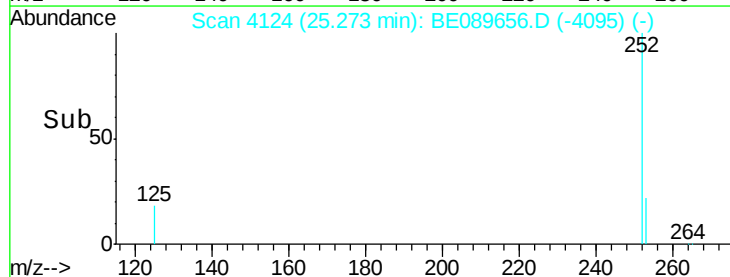
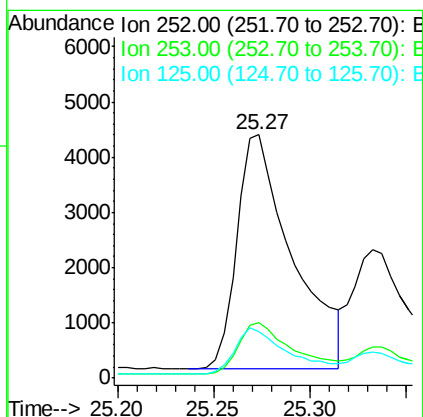
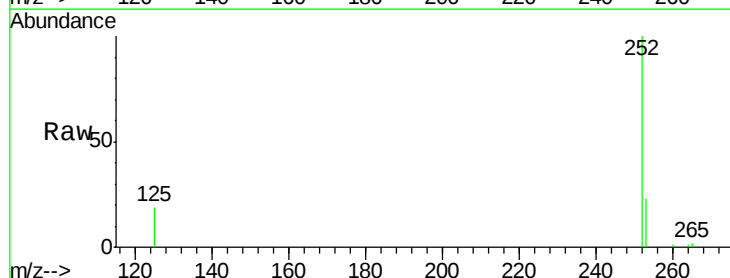
#27
Benzo(k)fluoranthene
Concen: 1.02 ng
RT: 24.94 min Scan# 4051
Delta R.T. 0.00 min
Lab File: BE089656.D
Acq: 24 Feb 2015 00:47

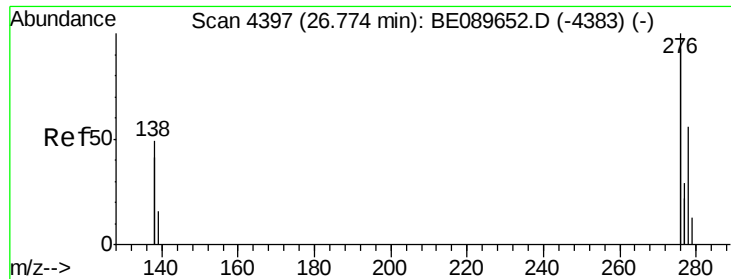
Tot Ion:252 Resp: 22156
Ion Ratio Lower Upper
252 100
253 22.1 17.8 26.8
125 17.0 14.3 21.5



#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





#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

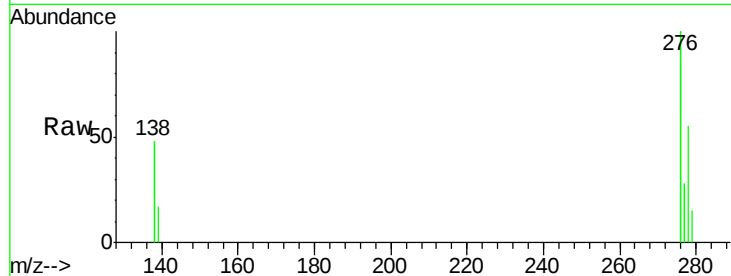
Tot Ion:278 Resp: 7055

Ion Ratio Lower Upper

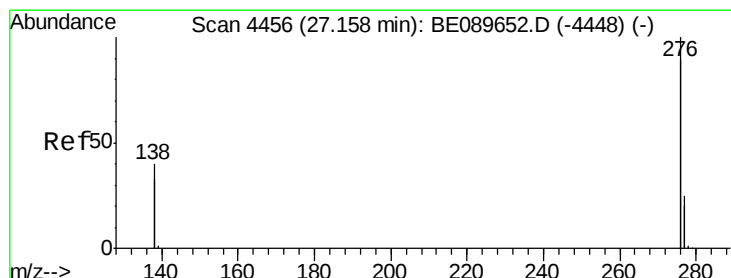
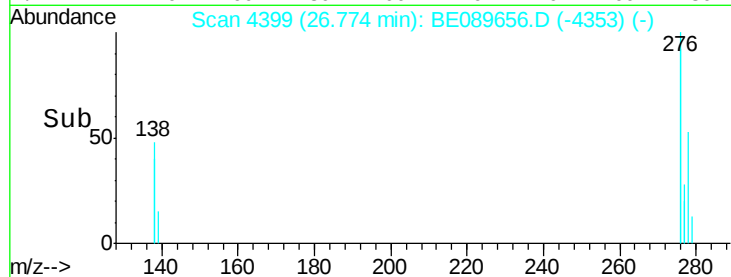
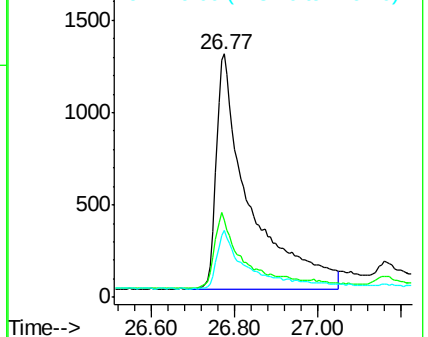
278 100

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

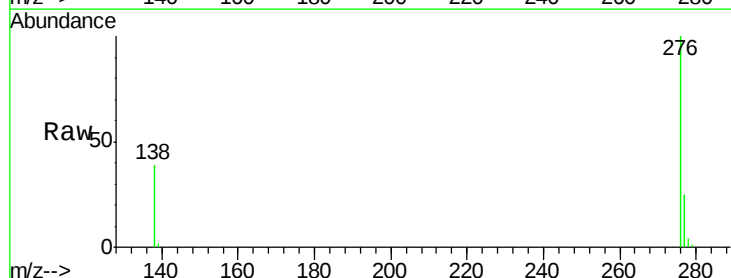
Tgt Ion:276 Resp: 41435

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

