

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE022415\
 Data File : BE089669.D
 Acq On : 24 Feb 2015 13:43
 Operator : TP/JJ
 Sample : SSTDICC0.8
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC0.8

Quant Time: Feb 24 15:06:32 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIMPAH-BE022415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 24 14:51:37 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.34	152	43402	5.00	ng	0.00
4) Naphthalene-d8	12.24	136	154064	5.00	ng	0.00
8) Acenaphthene-d10	16.42	164	67645	5.00	ng	0.01
13) Phenanthrene-d10	19.76	188	123979	5.00	ng	0.00
19) Chrysene-d12	23.66	240	97656	5.00	ng	0.00
25) Perylene-d12	25.34	264	93716	5.00	ng	0.00

System Monitoring Compounds						
5) Nitrobenzene-d5	10.60	82	6327	0.74	ng	0.00
9) 2-Fluorobiphenyl	14.87	172	13789	0.78	ng	0.00
21) Terphenyl-d14	22.30	244	9949	0.81	ng	0.00

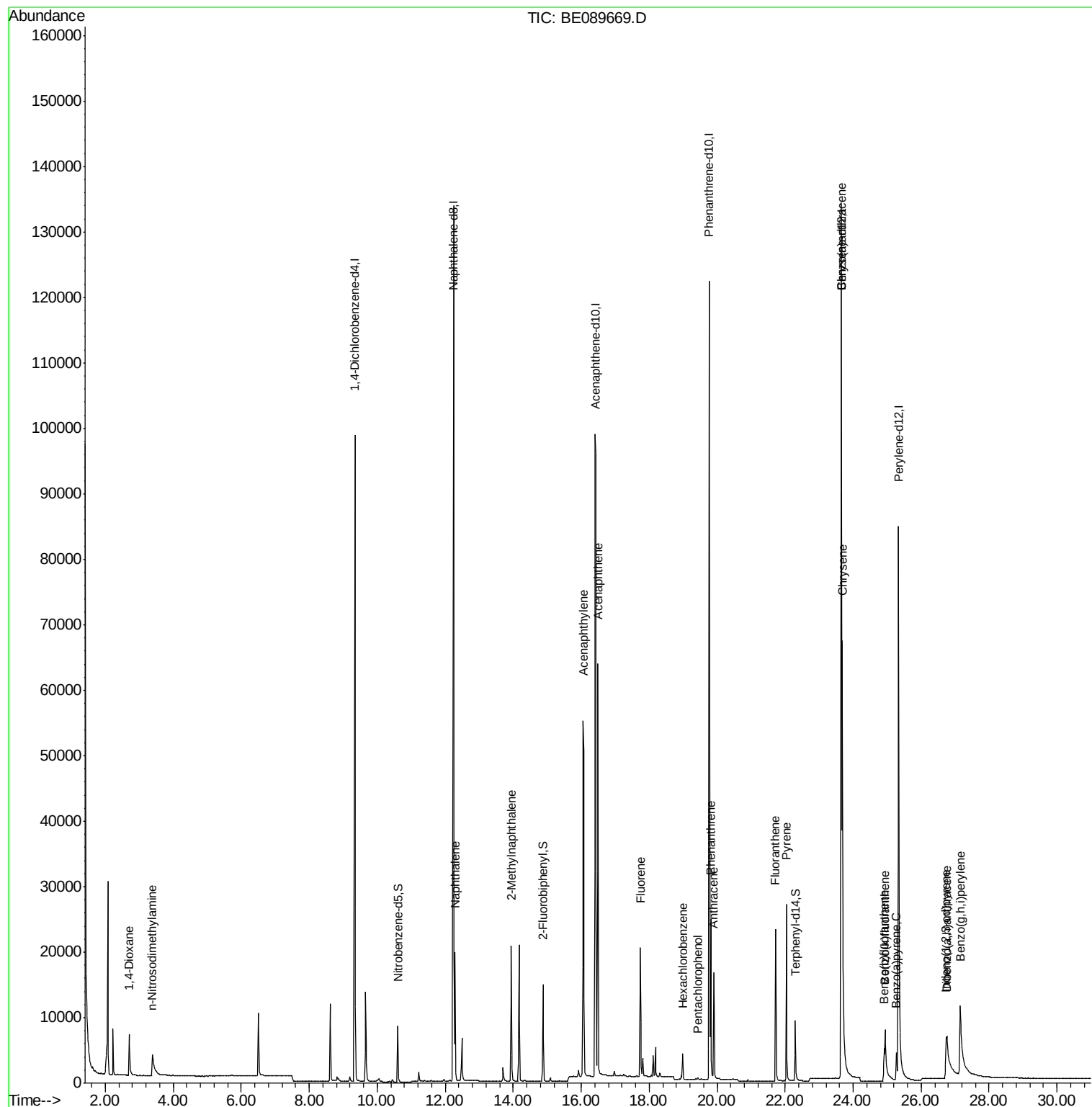
Target Compounds				Qvalue		
2) 1,4-Dioxane	2.70	88	4132	0.76	ng	95
3) n-Nitrosodimethylamine	3.38	42	5307	0.84	ng	# 97
6) Naphthalene	12.29	128	24142	0.80	ng	99
7) 2-Methylnaphthalene	13.94	142	13702	0.80	ng	97
10) Acenaphthylene	16.06	152	78321	0.81	ng	100
11) Acenaphthene	16.49	154	12484	0.80	ng	99
12) Fluorene	17.74	166	13840	0.81	ng	100
14) Hexachlorobenzene	18.99	284	2600	0.80	ng	99
15) Pentachlorophenol	19.43	266	236	0.49	ng	93
16) Phenanthrene	19.81	178	21281	0.81	ng	100
17) Anthracene	19.91	178	18329	0.82	ng	99
18) Fluoranthene	21.72	202	18025	0.81	ng	100
20) Pyrene	22.04	202	19649	0.85	ng	100
22) Benzo(a)anthracene	23.64	228	48706	0.75	ng	99
23) Chrysene	23.68	228	73512	0.82	ng	99
24) Indeno(1,2,3-cd)pyrene	26.73	276	25932	0.74	ng	# 46
26) Benzo(b)fluoranthene	24.91	252	4860	0.52	ng	97
27) Benzo(k)fluoranthene	24.94	252	17527	0.83	ng	99
28) Benzo(a)pyrene	25.27	252	5799	0.58	ng	98
29) Dibenzo(a,h)anthracene	26.77	278	4460	0.55	ng	93
30) Benzo(g,h,i)perylene	27.15	276	31493	0.69	ng	96

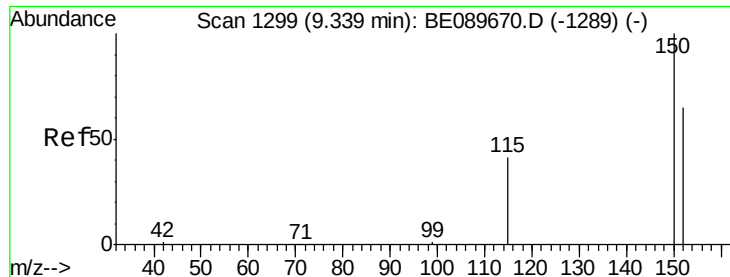
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE089669.D

Acq: 24 Feb 2015 13:43

Instrument :

BNA_E

LabSampleId :

SSTDIC0.8

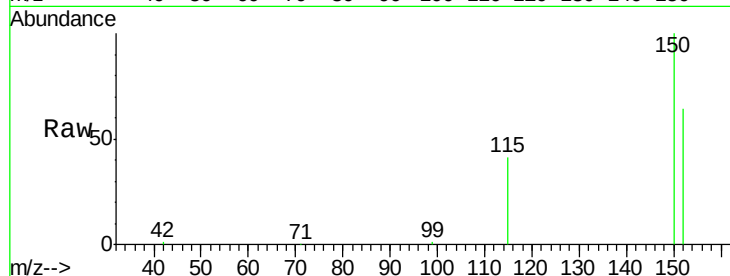
Tgt Ion: 152 Resp: 43402

Ion Ratio Lower Upper

152 100

150 155.5 123.4 185.0

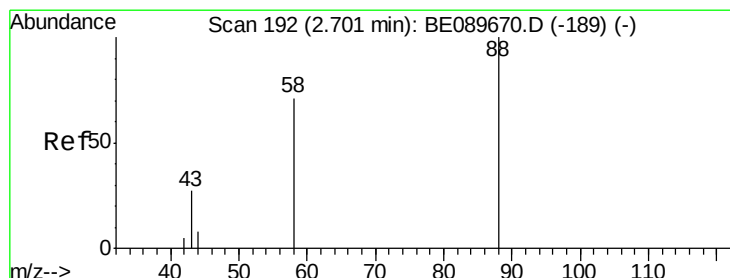
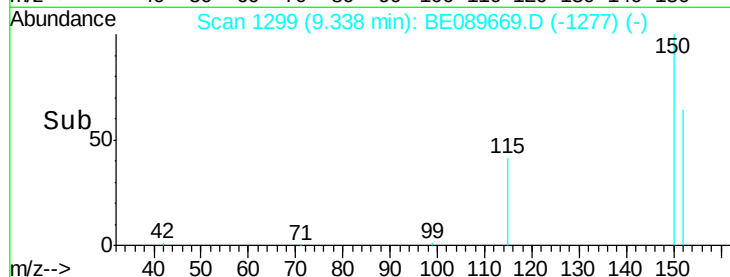
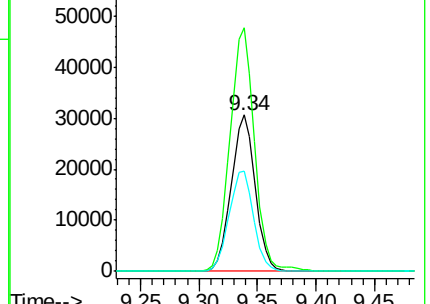
115 63.9 50.8 76.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 0.76 ng

RT: 2.70 min Scan# 192

Delta R.T. -0.00 min

Lab File: BE089669.D

Acq: 24 Feb 2015 13:43

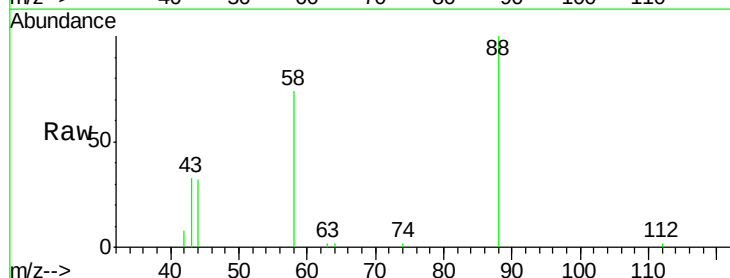
Tgt Ion: 88 Resp: 4132

Ion Ratio Lower Upper

88 100

58 81.9 62.4 93.6

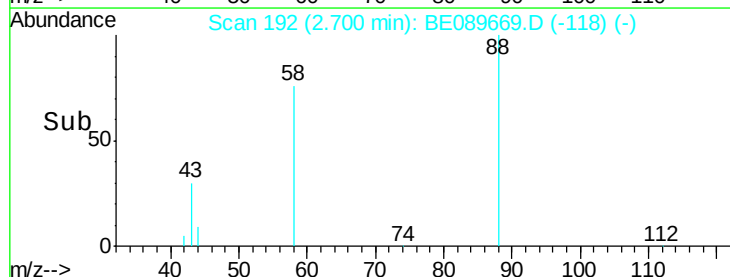
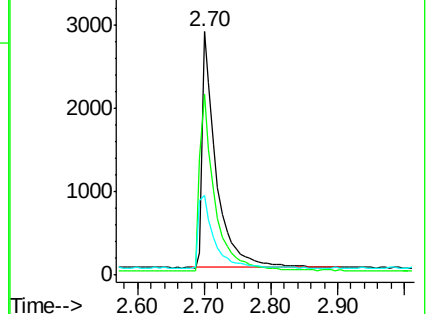
43 35.9 26.6 40.0

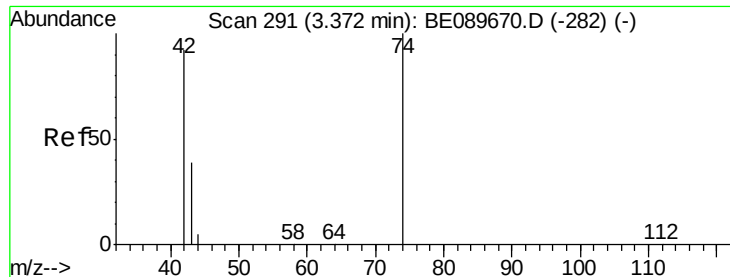


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0



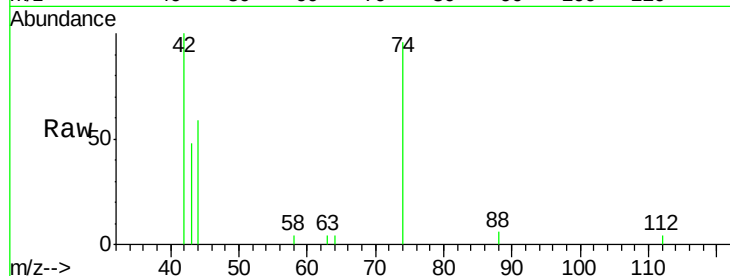


#3

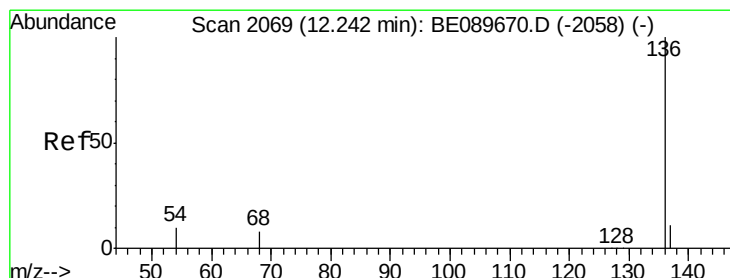
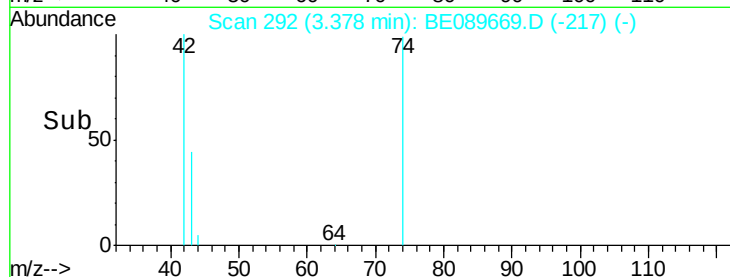
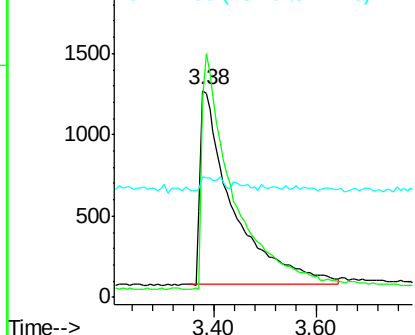
n-Nitrosodimethylamine
 Concen: 0.84 ng
 RT: 3.38 min Scan# 292
 Delta R.T. 0.01 min
 Lab File: BE089669.D
 Acq: 24 Feb 2015 13:43

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC0.8

Tgt Ion: 42 Resp: 5307
 Ion Ratio Lower Upper
 42 100
 74 117.6 91.1 136.7
 44 4.6 4.7 7.1#



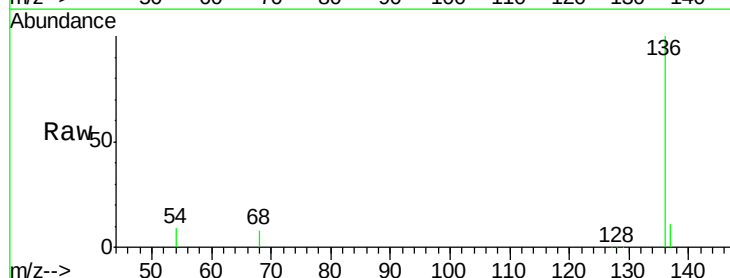
Abundance Ion 42.00 (41.70 to 42.70): BE0
 Ion 74.00 (73.70 to 74.70): BE0
 Ion 44.00 (43.70 to 44.70): BE0



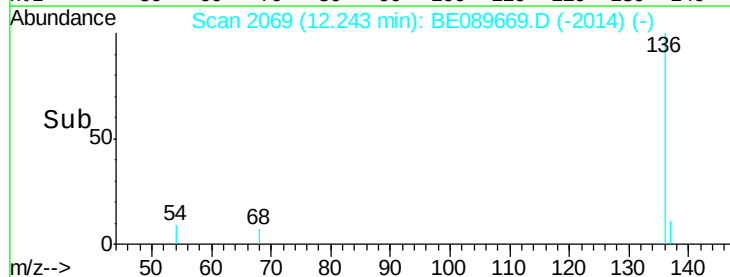
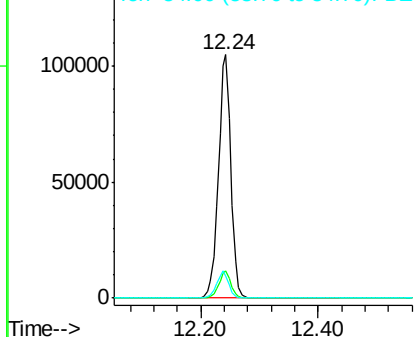
#4

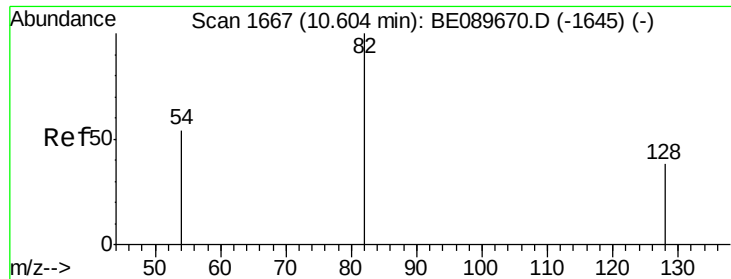
Naphthalene-d8
 Concen: 5.00 ng
 RT: 12.24 min Scan# 2069
 Delta R.T. 0.00 min
 Lab File: BE089669.D
 Acq: 24 Feb 2015 13:43

Tgt Ion: 136 Resp: 154064
 Ion Ratio Lower Upper
 136 100
 137 11.0 8.7 13.1
 54 9.0 7.8 11.8



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: 0.74 ng

RT: 10.60 min Scan# 1667

Delta R.T. 0.00 min

Lab File: BE089669.D

Acq: 24 Feb 2015 13:43

Instrument :

BNA_E

LabSampleId :

SSTDIC0.8

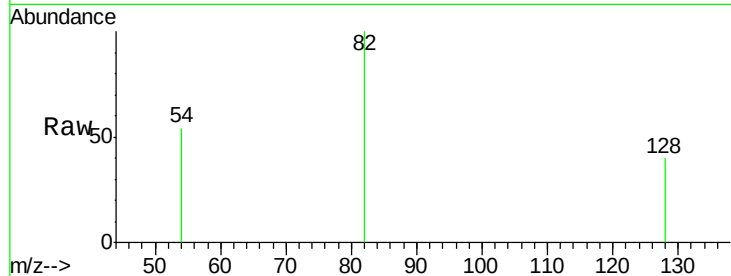
Tgt Ion: 82 Resp: 6327

Ion Ratio Lower Upper

82 100

128 39.8 30.6 46.0

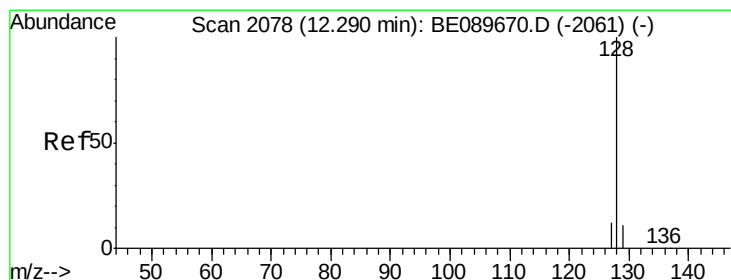
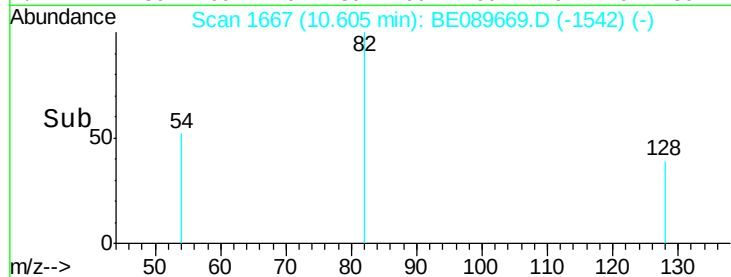
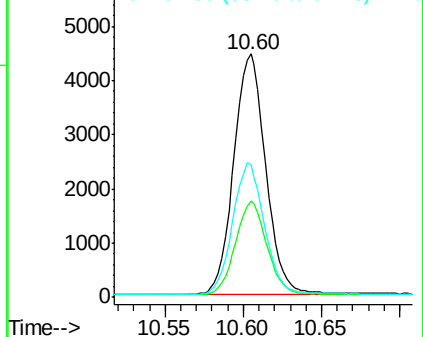
54 54.4 43.6 65.4



Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): BE0

Ion 54.00 (53.70 to 54.70): BE0



#6

Naphthalene

Concen: 0.80 ng

RT: 12.29 min Scan# 2077

Delta R.T. -0.00 min

Lab File: BE089669.D

Acq: 24 Feb 2015 13:43

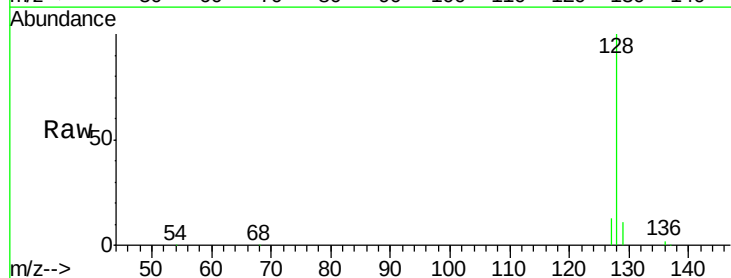
Tgt Ion: 128 Resp: 24142

Ion Ratio Lower Upper

128 100

129 11.0 8.9 13.3

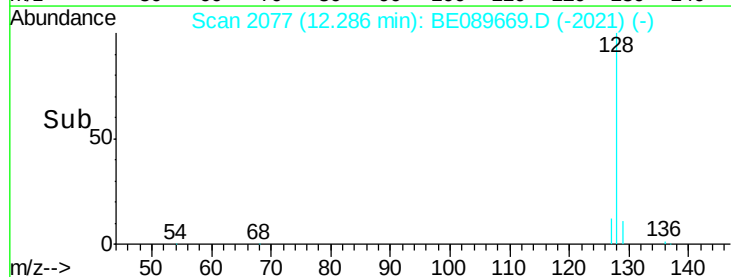
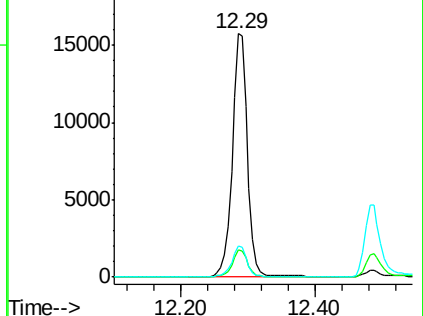
127 12.6 9.7 14.5

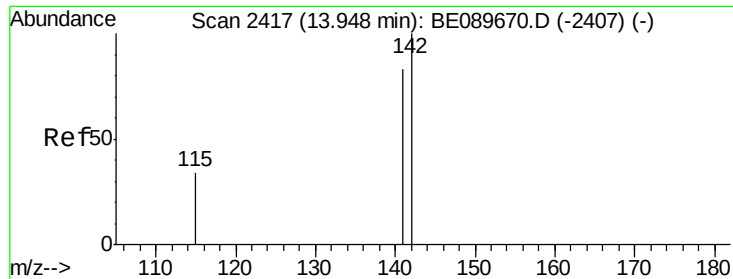


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#7

2-Methylnaphthalene

Concen: 0.80 ng

RT: 13.94 min Scan# 2416

Delta R.T. -0.00 min

Lab File: BE089669.D

Acq: 24 Feb 2015 13:43

Instrument :

BNA_E

LabSampleId :

SSTDICC0.8

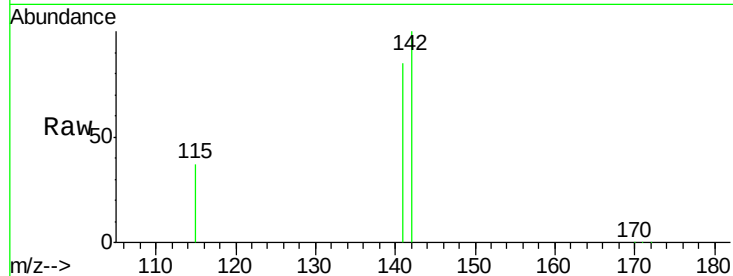
Tgt Ion:142 Resp: 13702

Ion Ratio Lower Upper

142 100

141 85.3 66.0 99.0

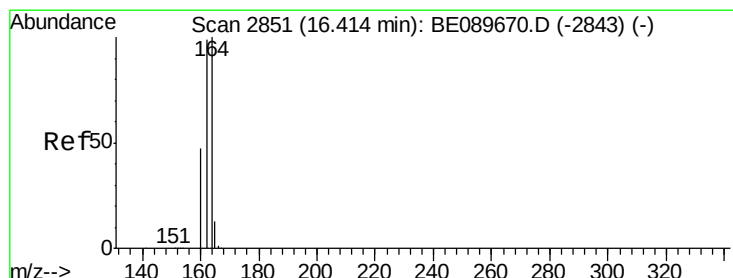
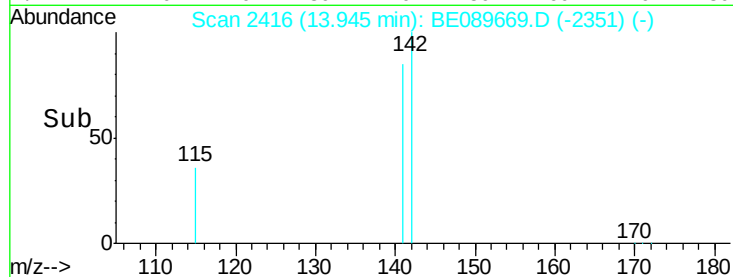
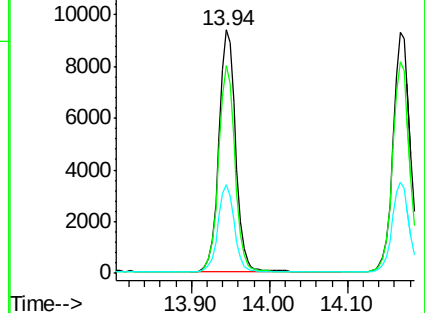
115 36.6 27.4 41.0



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. 0.01 min

Lab File: BE089669.D

Acq: 24 Feb 2015 13:43

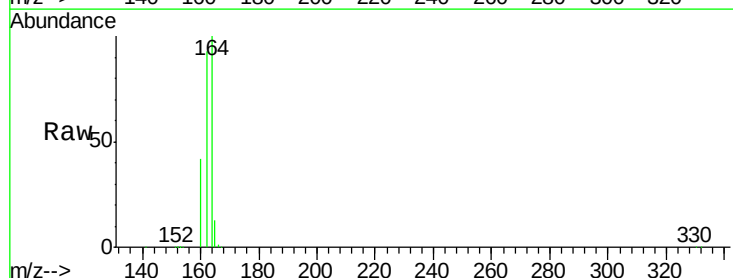
Tgt Ion:164 Resp: 67645

Ion Ratio Lower Upper

164 100

162 92.9 79.4 119.2

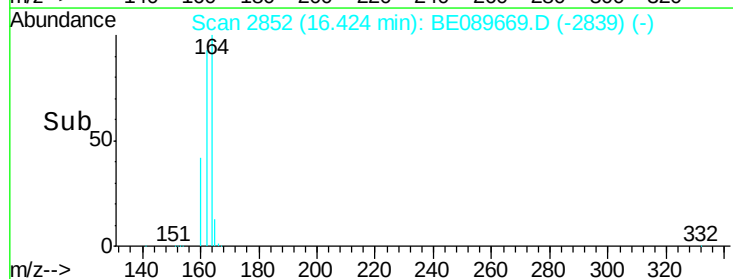
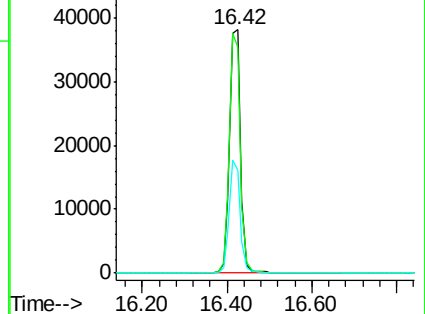
160 42.4 37.6 56.4

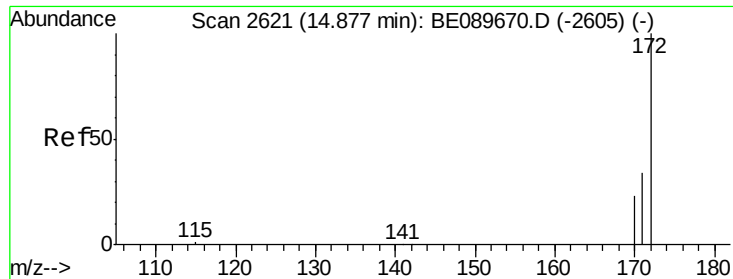


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#9

2-Fluorobiphenyl

Concen: 0.78 ng

RT: 14.87 min Scan# 2620

Delta R.T. -0.00 min

Lab File: BE089669.D

Acq: 24 Feb 2015 13:43

Instrument :

BNA_E

LabSampleId :

SSTDIC0.8

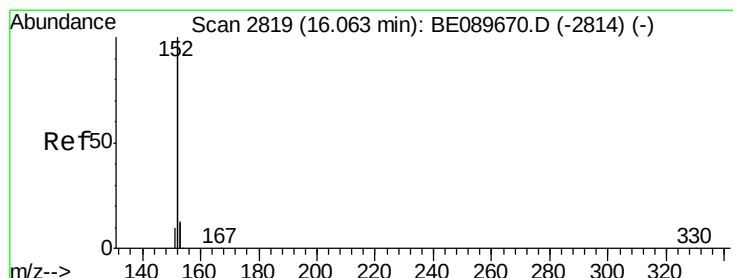
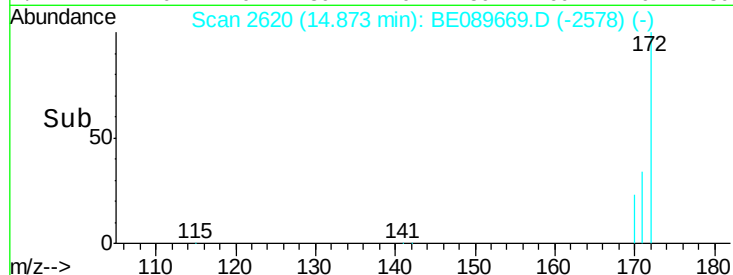
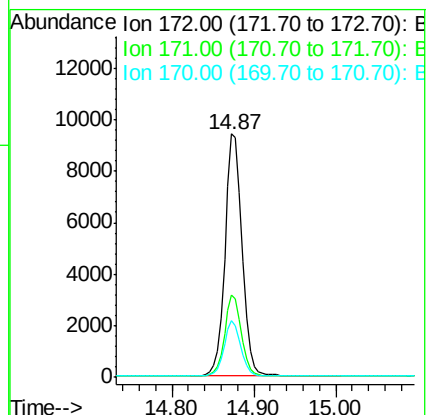
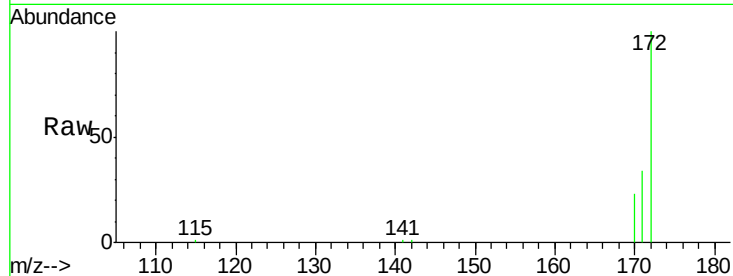
Tgt Ion:172 Resp: 13789

Ion Ratio Lower Upper

172 100

171 34.1 27.3 40.9

170 23.5 18.5 27.7



#10

Acenaphthylene

Concen: 0.81 ng

RT: 16.06 min Scan# 2819

Delta R.T. -0.00 min

Lab File: BE089669.D

Acq: 24 Feb 2015 13:43

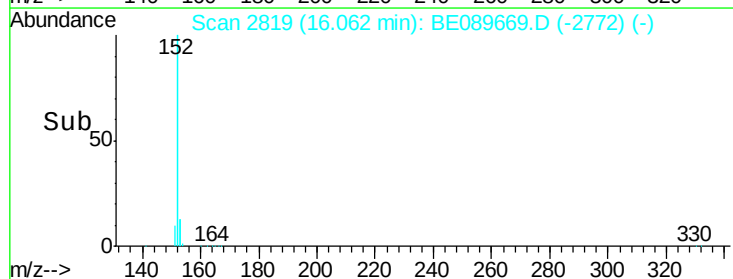
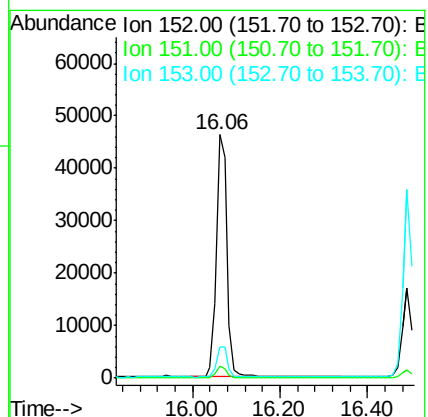
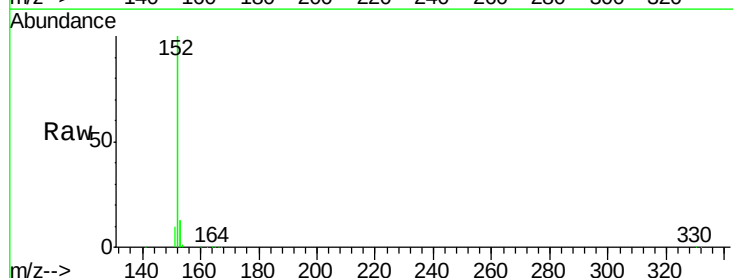
Tgt Ion:152 Resp: 78321

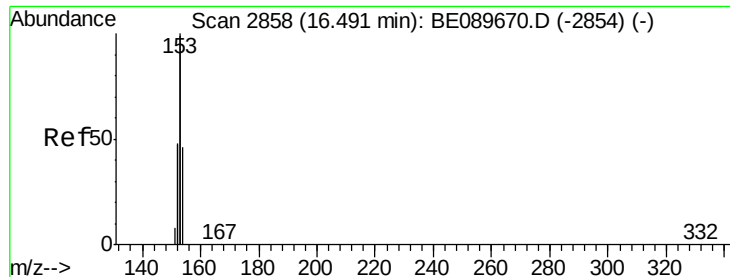
Ion Ratio Lower Upper

152 100

151 4.7 3.8 5.6

153 13.0 10.4 15.6





#11

Acenaphthene

Concen: 0.80 ng

RT: 16.49 min Scan# 2858

Delta R.T. -0.00 min

Lab File: BE089669.D

Acq: 24 Feb 2015 13:43

Instrument :

BNA_E

LabSampleId :

SSTDIC0.8

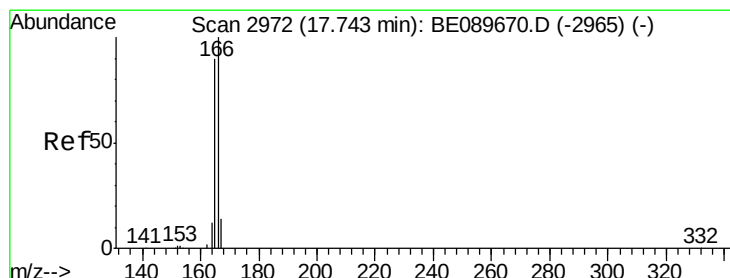
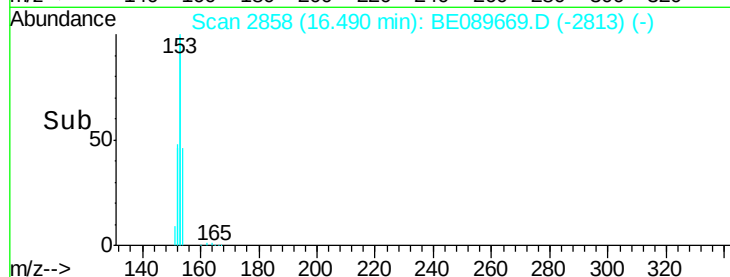
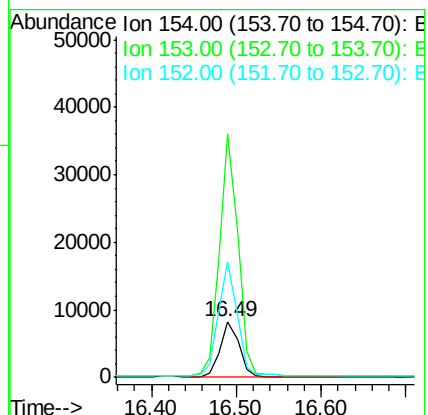
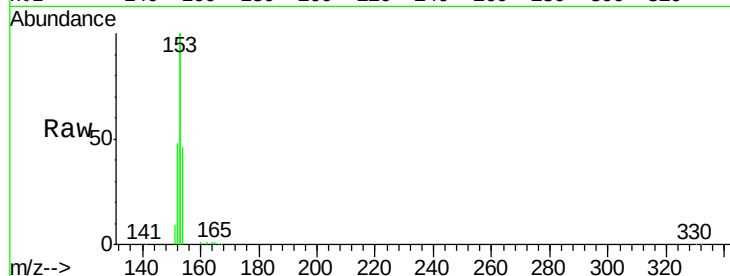
Tgt Ion:154 Resp: 12484

Ion Ratio Lower Upper

154 100

153 435.8 345.8 518.8

152 208.5 168.6 252.8



#12

Fluorene

Concen: 0.81 ng

RT: 17.74 min Scan# 2972

Delta R.T. -0.00 min

Lab File: BE089669.D

Acq: 24 Feb 2015 13:43

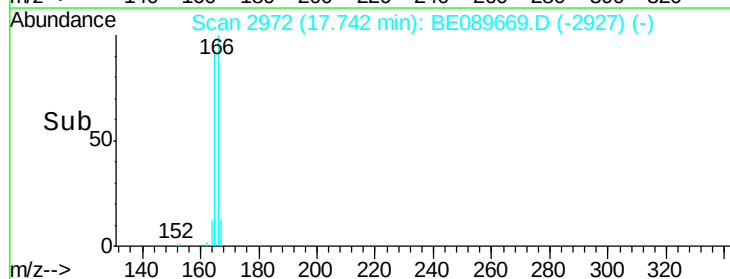
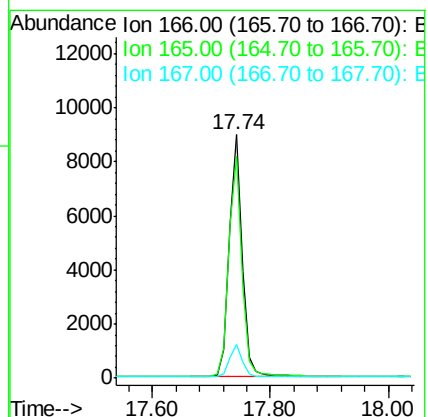
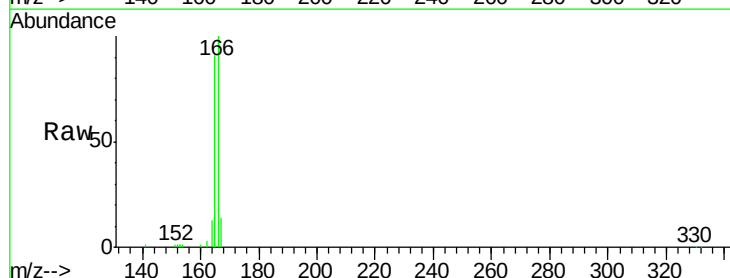
Tgt Ion:166 Resp: 13840

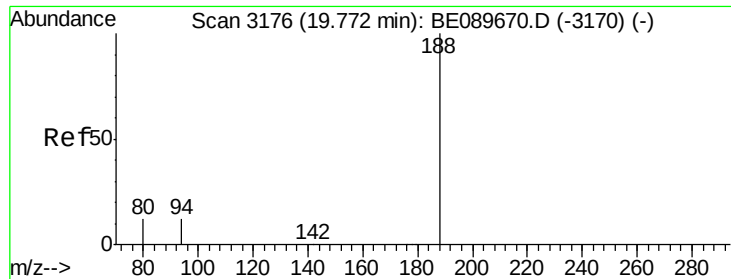
Ion Ratio Lower Upper

166 100

165 92.3 73.6 110.4

167 13.1 10.6 16.0





#13

Phenanthrene-d10

Concen: 5.00 ng

RT: 19.76 min Scan# 3175

Delta R.T. -0.01 min

Lab File: BE089669.D

Acq: 24 Feb 2015 13:43

Instrument :

BNA_E

LabSampleId :

SSTDIC0.8

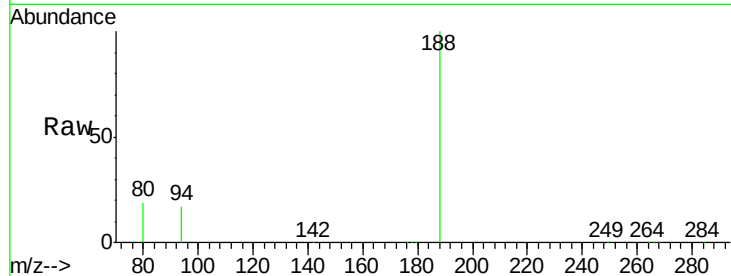
Tgt Ion:188 Resp: 123979

Ion Ratio Lower Upper

188 100

94 17.5 9.4 14.2#

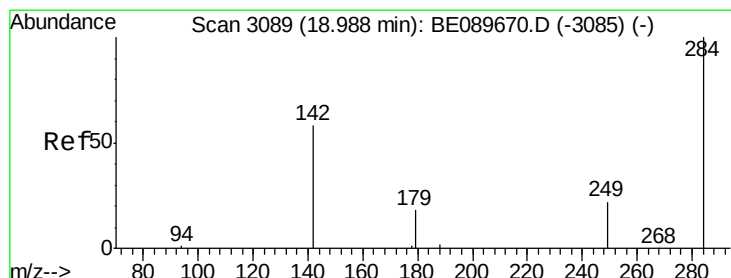
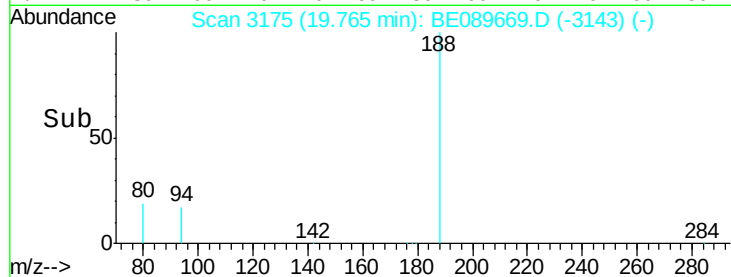
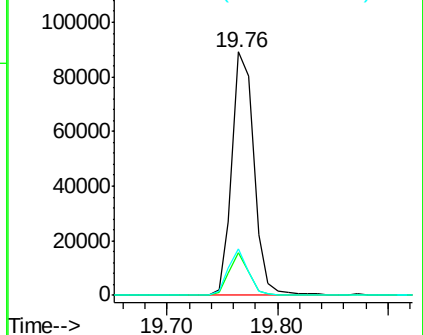
80 19.0 9.5 14.3#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



#14

Hexachlorobenzene

Concen: 0.80 ng

RT: 18.99 min Scan# 3089

Delta R.T. 0.00 min

Lab File: BE089669.D

Acq: 24 Feb 2015 13:43

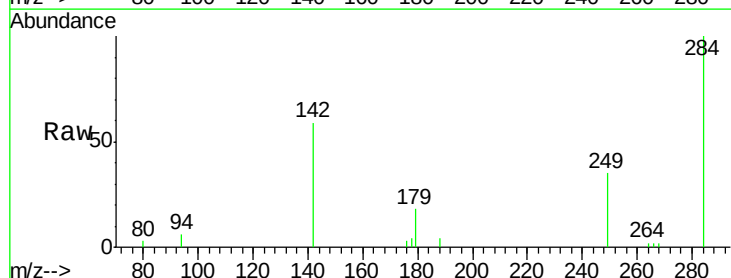
Tgt Ion:284 Resp: 2600

Ion Ratio Lower Upper

284 100

142 67.6 55.4 83.2

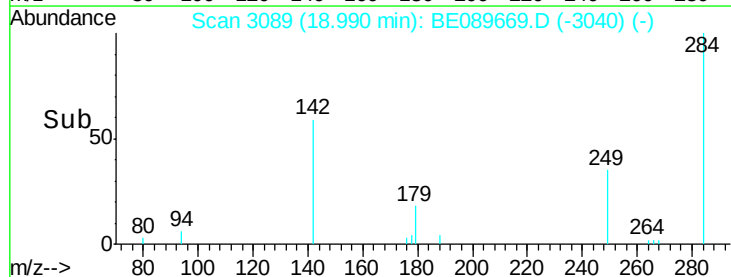
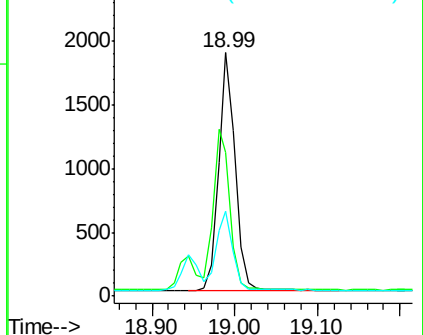
249 33.9 27.2 40.8

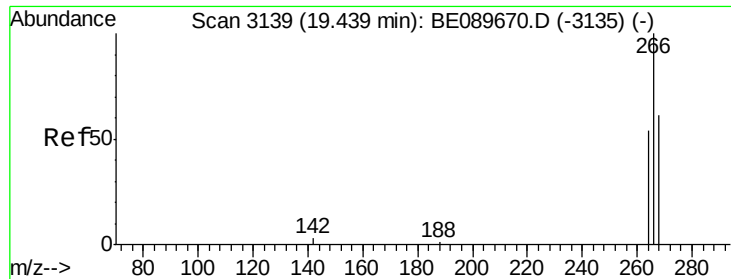


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E

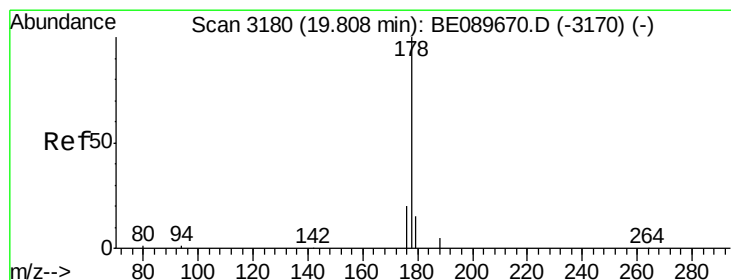
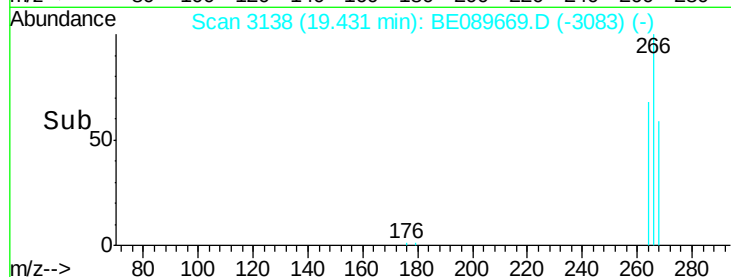
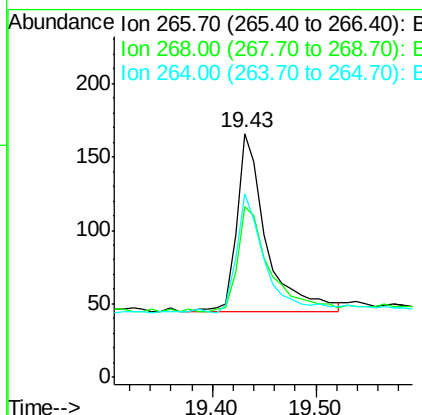
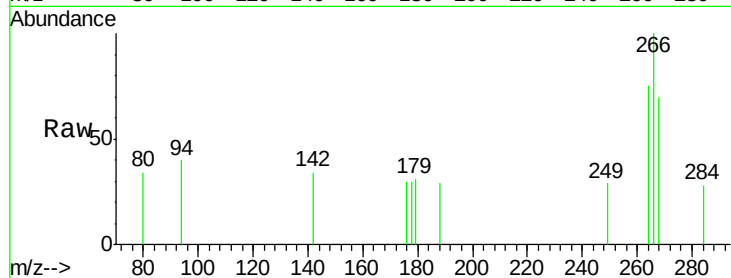




#15
 Pentachlorophenol
 Concen: 0.49 ng
 RT: 19.43 min Scan# 3138
 Delta R.T. -0.01 min
 Lab File: BE089669.D
 Acq: 24 Feb 2015 13:43

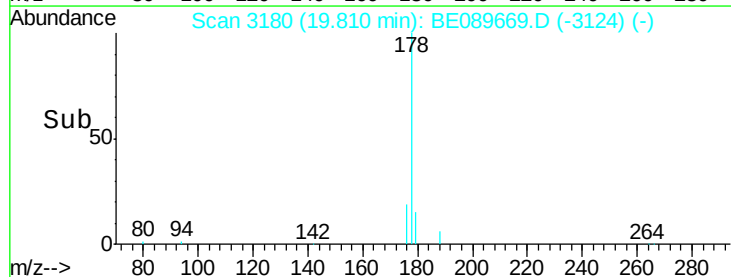
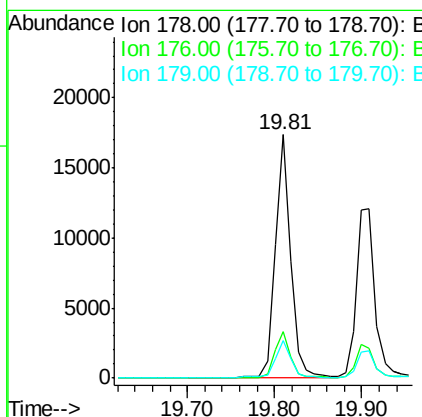
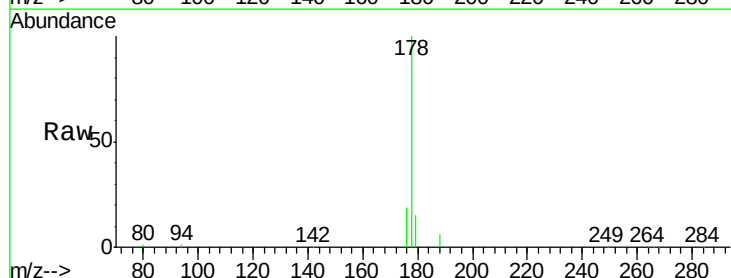
Instrument :
 BNA_E
 LabSampleId :
 SSTDICC0.8

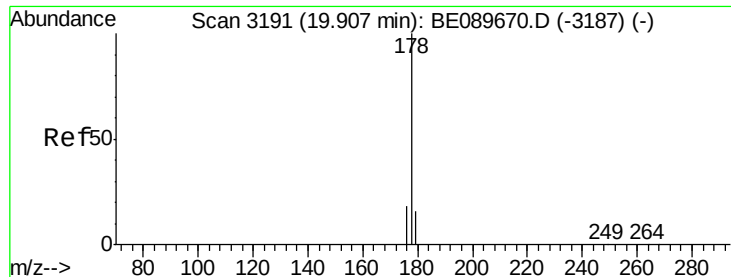
Tgt Ion: 266 Resp: 236
 Ion Ratio Lower Upper
 266 100
 268 69.9 56.3 84.5
 264 75.3 51.8 77.8



#16
 Phenanthrene
 Concen: 0.81 ng
 RT: 19.81 min Scan# 3180
 Delta R.T. 0.00 min
 Lab File: BE089669.D
 Acq: 24 Feb 2015 13:43

Tgt Ion: 178 Resp: 21281
 Ion Ratio Lower Upper
 178 100
 176 19.0 15.3 22.9
 179 15.6 12.5 18.7





#17

Anthracene

Concen: 0.82 ng

RT: 19.91 min Scan# 3191

Delta R.T. 0.00 min

Lab File: BE089669.D

Acq: 24 Feb 2015 13:43

Instrument :

BNA_E

LabSampleId :

SSTDIC0.8

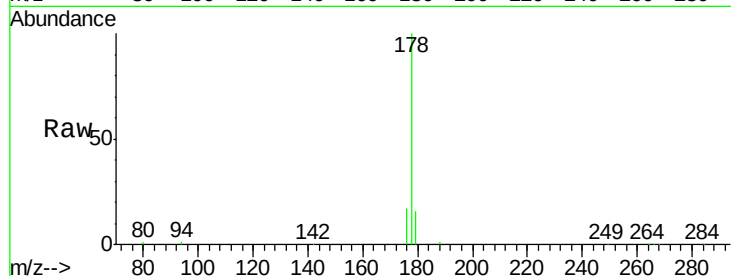
Tgt Ion:178 Resp: 18329

Ion Ratio Lower Upper

178 100

176 18.0 14.8 22.2

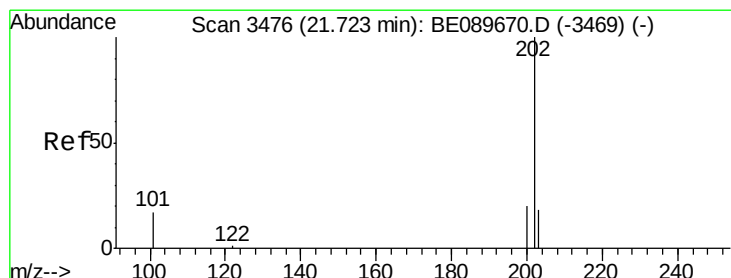
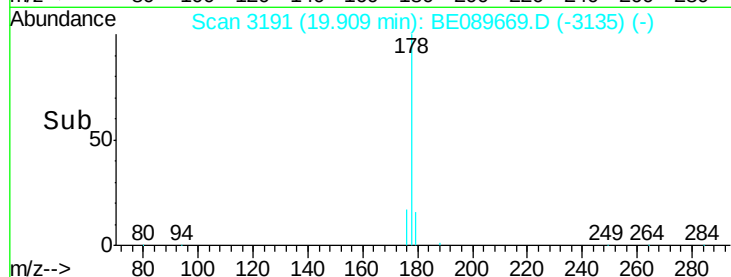
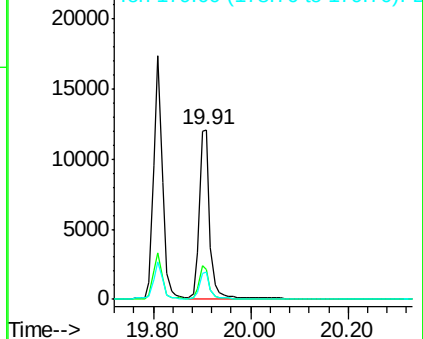
179 15.2 12.2 18.2



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



#18

Fluoranthene

Concen: 0.81 ng

RT: 21.72 min Scan# 3474

Delta R.T. -0.00 min

Lab File: BE089669.D

Acq: 24 Feb 2015 13:43

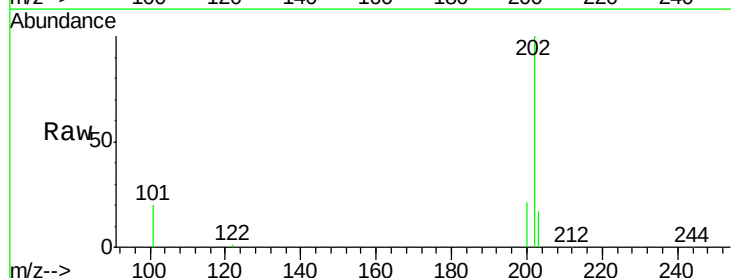
Tgt Ion:202 Resp: 18025

Ion Ratio Lower Upper

202 100

101 18.7 14.9 22.3

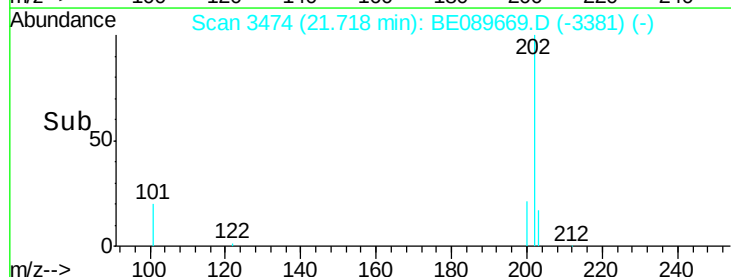
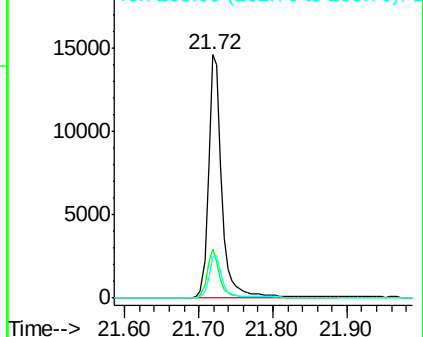
203 17.2 13.8 20.6

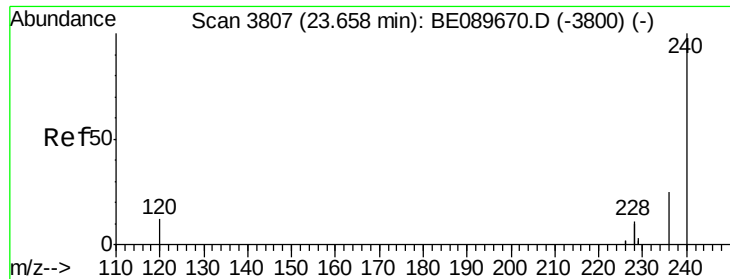


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#19

Chrysene-d12

Concen: 5.00 ng

RT: 23.66 min Scan# 3806

Delta R.T. -0.00 min

Lab File: BE089669.D

Acq: 24 Feb 2015 13:43

Instrument :

BNA_E

LabSampleId :

SSTDIC0.8

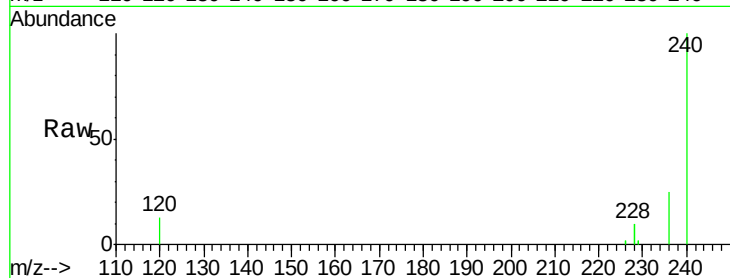
Tgt Ion:240 Resp: 97656

Ion Ratio Lower Upper

240 100

120 12.9 9.4 14.0

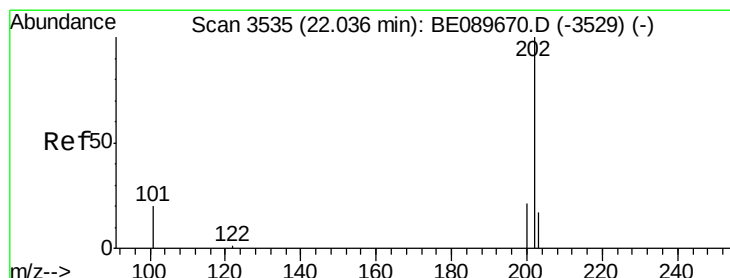
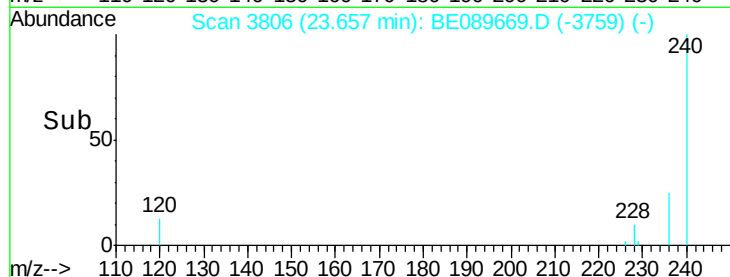
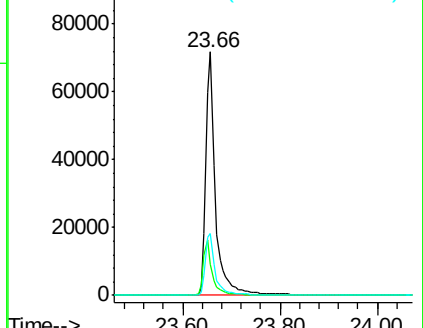
236 25.3 19.9 29.9



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#20

Pyrene

Concen: 0.85 ng

RT: 22.04 min Scan# 3534

Delta R.T. 0.00 min

Lab File: BE089669.D

Acq: 24 Feb 2015 13:43

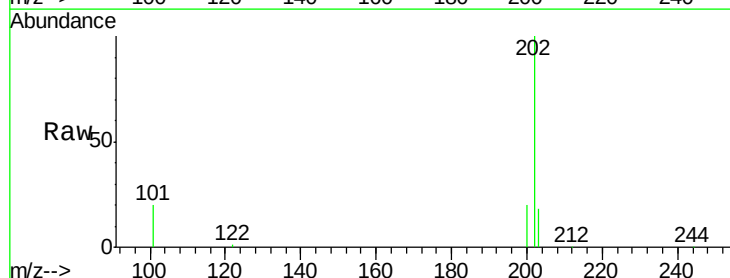
Tgt Ion:202 Resp: 19649

Ion Ratio Lower Upper

202 100

200 20.4 16.4 24.6

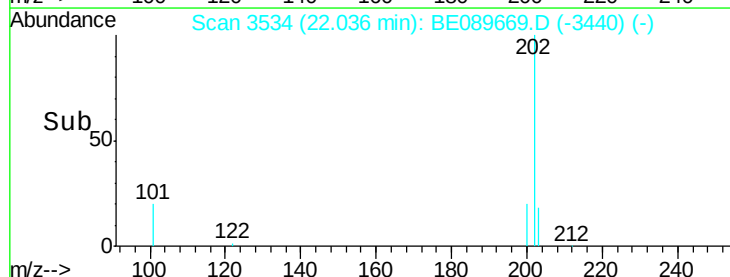
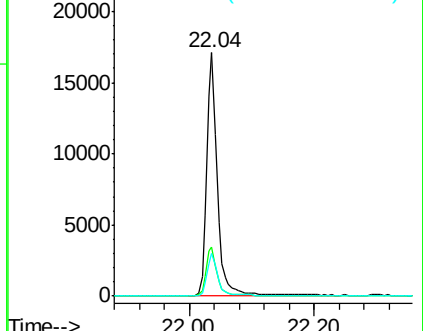
203 17.2 13.9 20.9

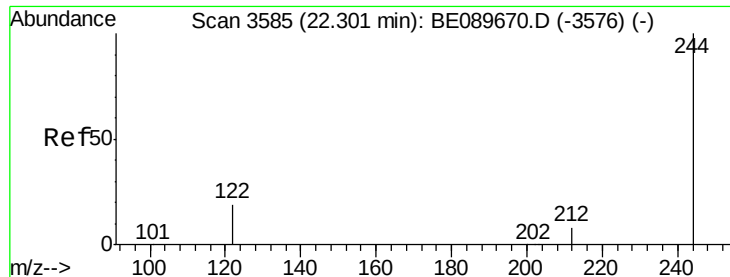


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#21

Terphenyl-d14

Concen: 0.81 ng

RT: 22.30 min Scan# 3584

Delta R.T. 0.00 min

Lab File: BE089669.D

Acq: 24 Feb 2015 13:43

Instrument :

BNA_E

LabSampleId :

SSTDIC0.8

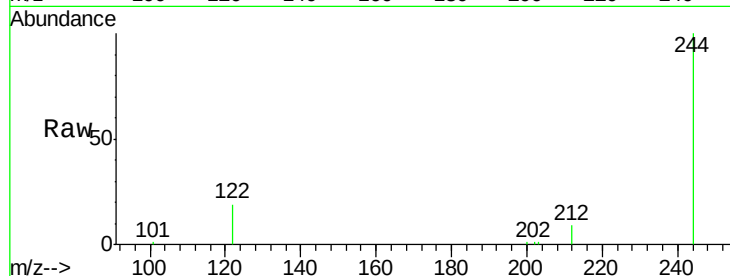
Tgt Ion:244 Resp: 9949

Ion Ratio Lower Upper

244 100

212 8.6 7.0 10.6

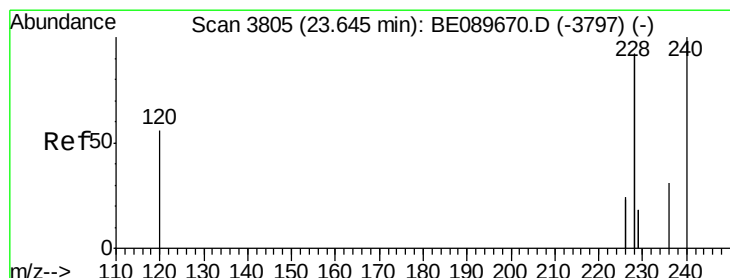
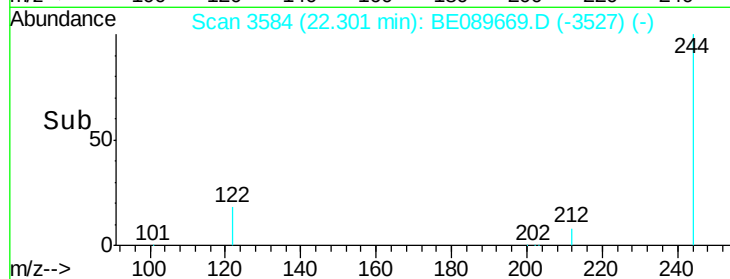
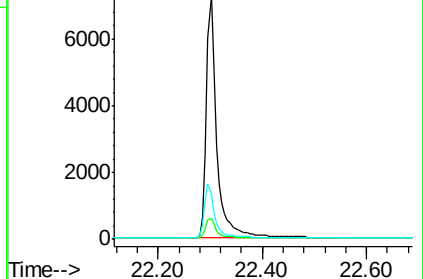
122 18.6 15.4 23.0



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: 0.75 ng

RT: 23.64 min Scan# 3804

Delta R.T. -0.00 min

Lab File: BE089669.D

Acq: 24 Feb 2015 13:43

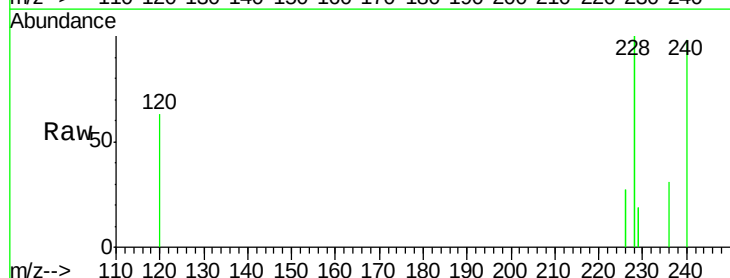
Tgt Ion:228 Resp: 48706

Ion Ratio Lower Upper

228 100

226 26.6 20.6 31.0

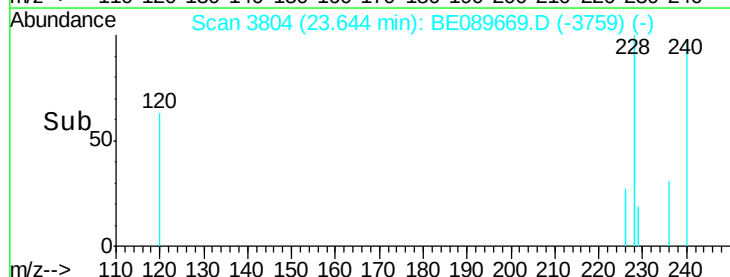
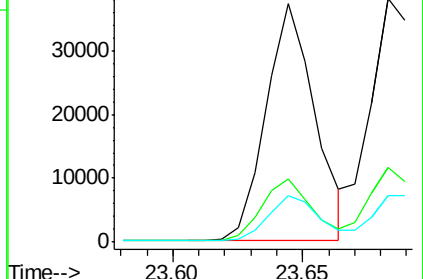
229 19.5 15.8 23.6

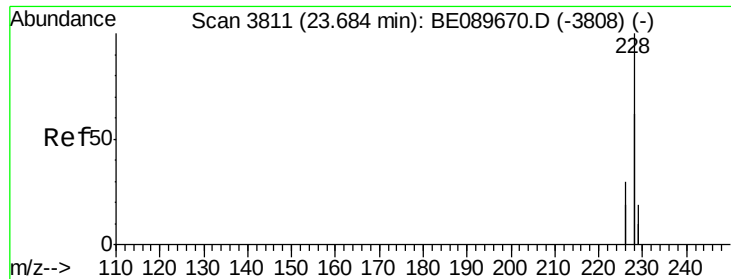


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#23

Chrysene

Concen: 0.82 ng

RT: 23.68 min Scan# 3810

Delta R.T. -0.00 min

Lab File: BE089669.D

Acq: 24 Feb 2015 13:43

Instrument :

BNA_E

LabSampleId :

SSTDIC0.8

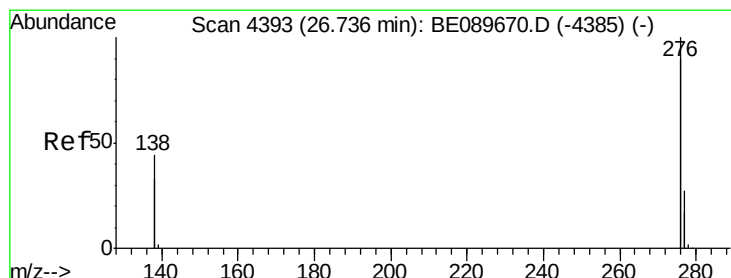
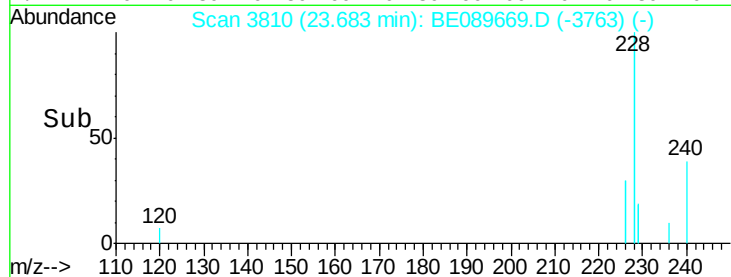
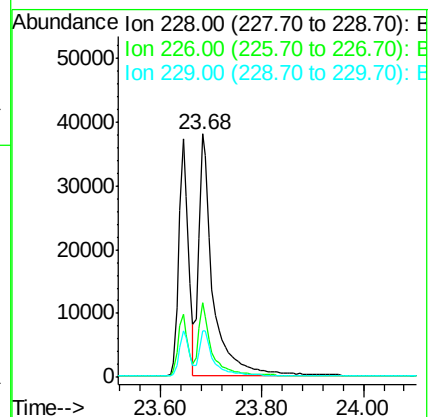
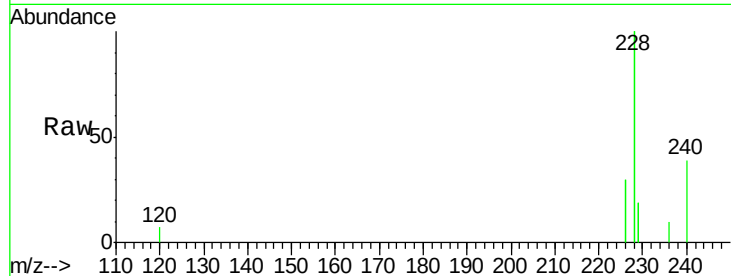
Tgt Ion:228 Resp: 73512

Ion Ratio Lower Upper

228 100

226 30.5 23.6 35.4

229 18.9 15.3 22.9



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.74 ng

RT: 26.73 min Scan# 4392

Delta R.T. -0.00 min

Lab File: BE089669.D

Acq: 24 Feb 2015 13:43

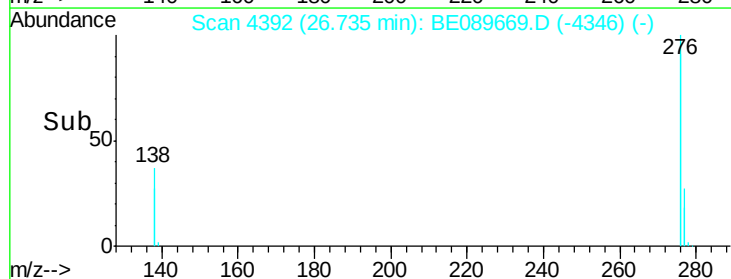
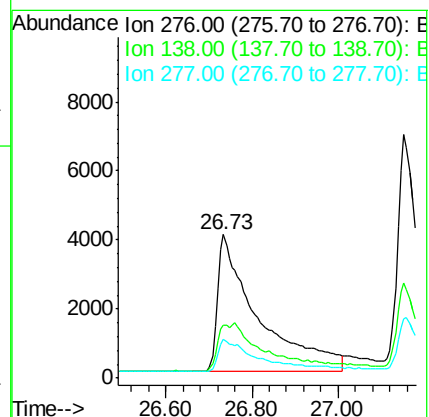
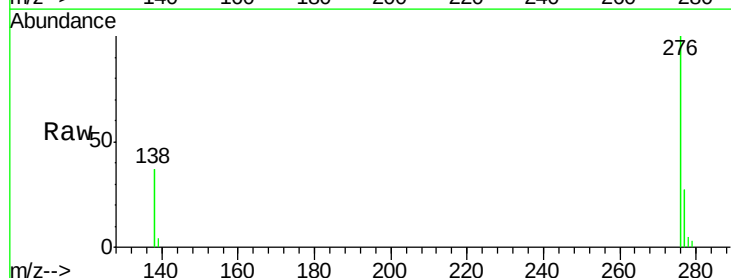
Tgt Ion:276 Resp: 25932

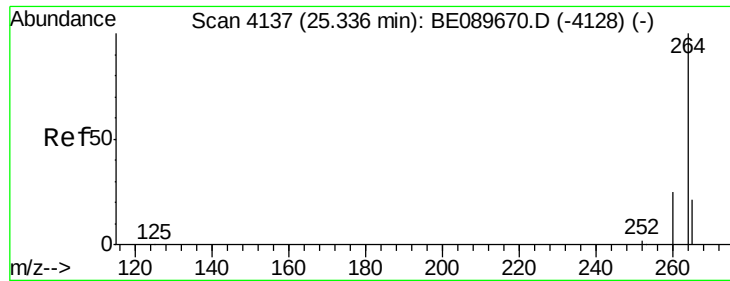
Ion Ratio Lower Upper

276 100

138 10.3 0.0 0.0#

277 24.9 5.2 7.8#

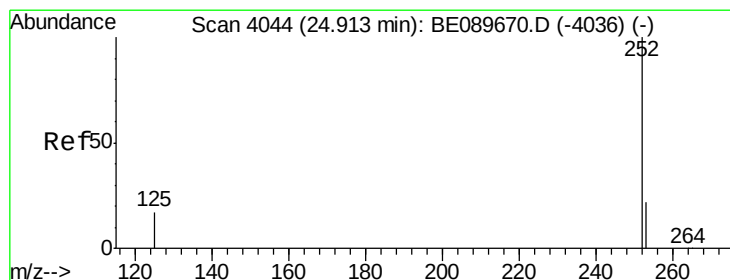
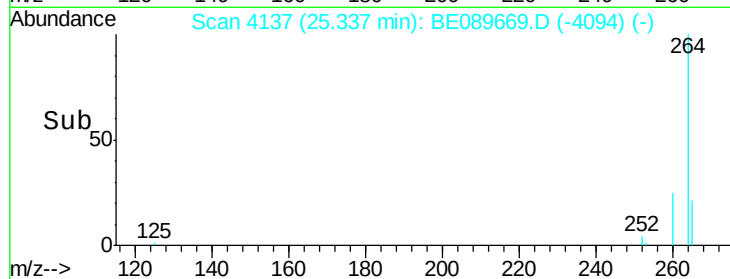
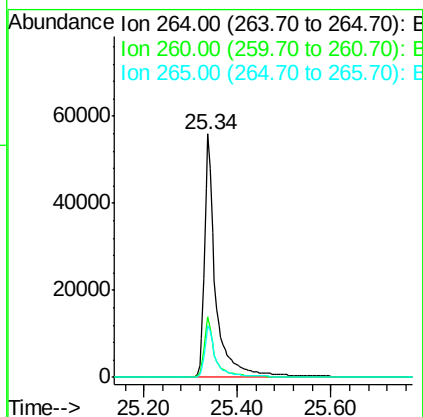
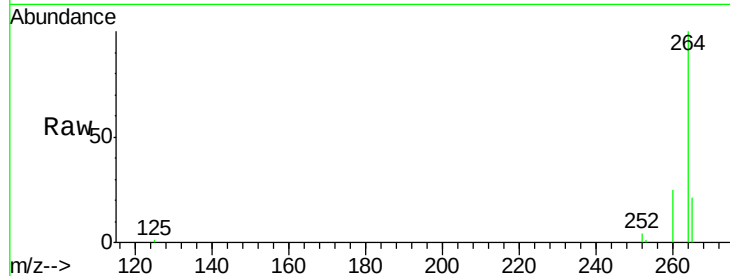




#25
Perylene-d12
 Concen: 5.00 ng
 RT: 25.34 min Scan# 4137
 Delta R.T. 0.00 min
 Lab File: BE089669.D
 Acq: 24 Feb 2015 13:43

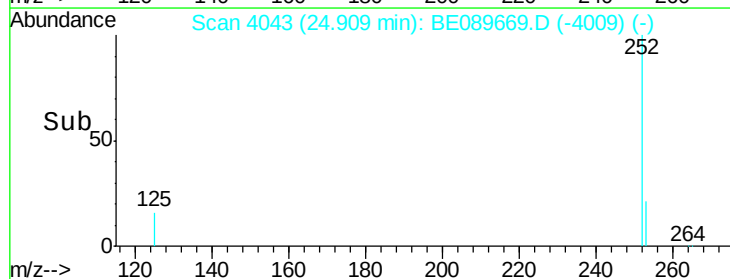
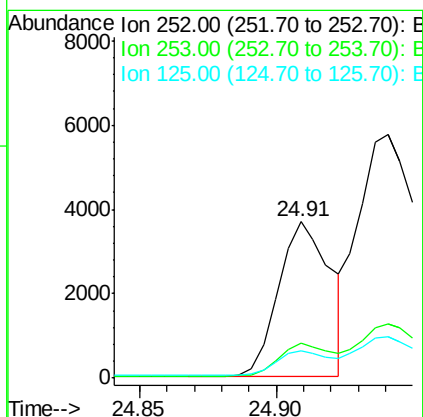
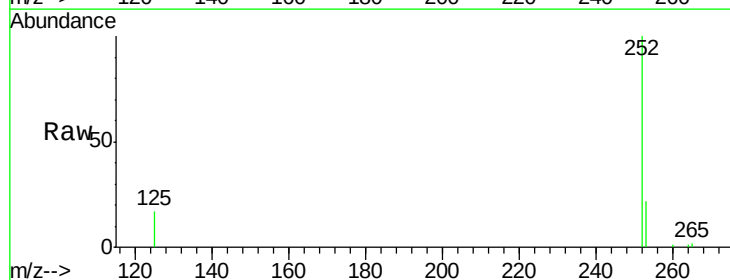
Instrument :
 BNA_E
 LabSampleId :
 SSTDICC0.8

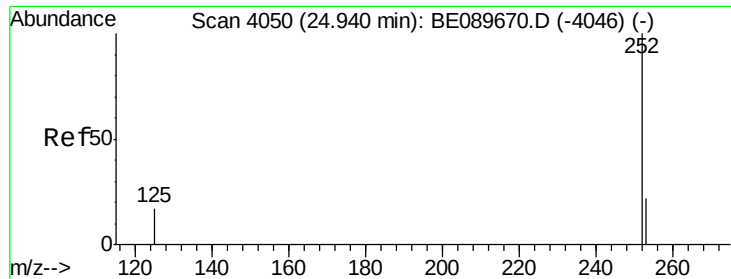
Tgt Ion: 264 Resp: 93716
 Ion Ratio Lower Upper
 264 100
 260 24.7 20.2 30.4
 265 21.2 17.0 25.4



#26
Benzo(b)fluoranthene
 Concen: 0.52 ng
 RT: 24.91 min Scan# 4043
 Delta R.T. -0.00 min
 Lab File: BE089669.D
 Acq: 24 Feb 2015 13:43

Tgt Ion: 252 Resp: 4860
 Ion Ratio Lower Upper
 252 100
 253 22.1 18.6 27.8
 125 17.2 15.0 22.6





#27

Benzo(k)fluoranthene

Concen: 0.83 ng

RT: 24.94 min Scan# 4050

Delta R.T. 0.00 min

Lab File: BE089669.D

Acq: 24 Feb 2015 13:43

Instrument :

BNA_E

LabSampleId :

SSTDIC0.8

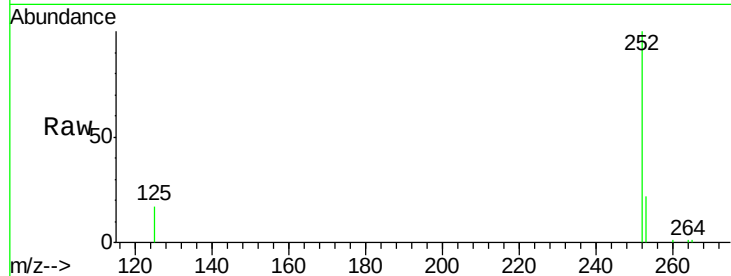
Tgt Ion:252 Resp: 17527

Ion Ratio Lower Upper

252 100

253 22.3 18.0 27.0

125 17.0 14.3 21.5

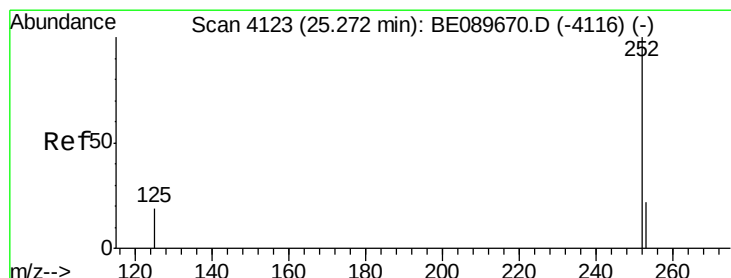
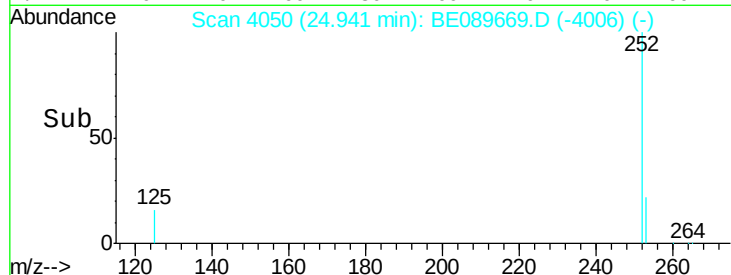
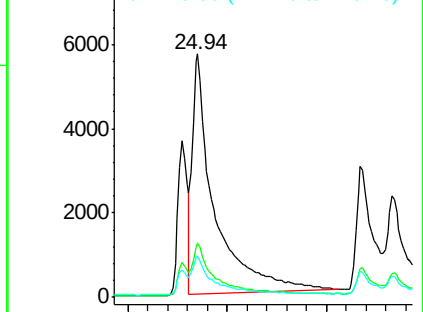


Abundance

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: 0.58 ng

RT: 25.27 min Scan# 4122

Delta R.T. -0.00 min

Lab File: BE089669.D

Acq: 24 Feb 2015 13:43

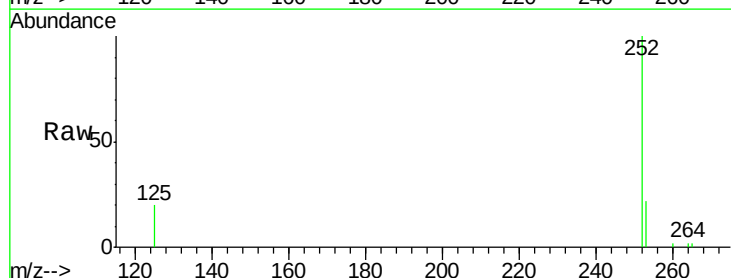
Tgt Ion:252 Resp: 5799

Ion Ratio Lower Upper

252 100

253 22.3 18.8 28.2

125 19.9 16.6 24.8

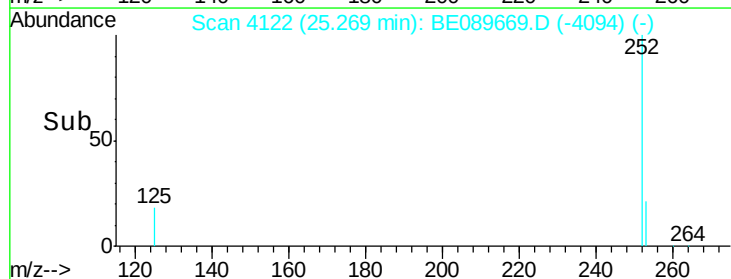
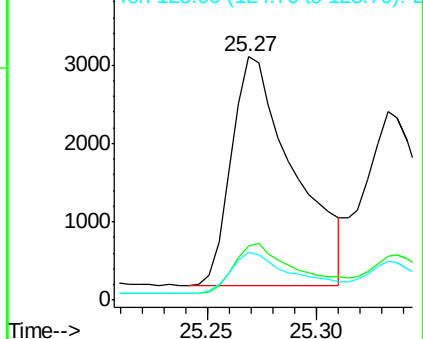


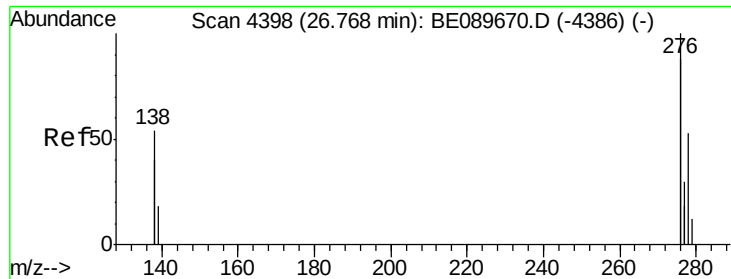
Abundance

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: 0.55 ng

RT: 26.77 min Scan# 4397

Delta R.T. -0.00 min

Lab File: BE089669.D

Acq: 24 Feb 2015 13:43

Instrument :

BNA_E

LabSampleId :

SSTDIC0.8

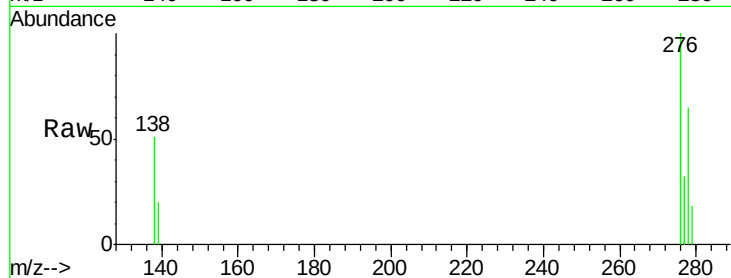
Tgt Ion: 278 Resp: 4460

Ion Ratio Lower Upper

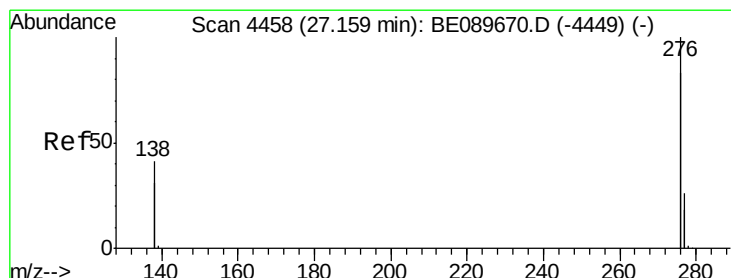
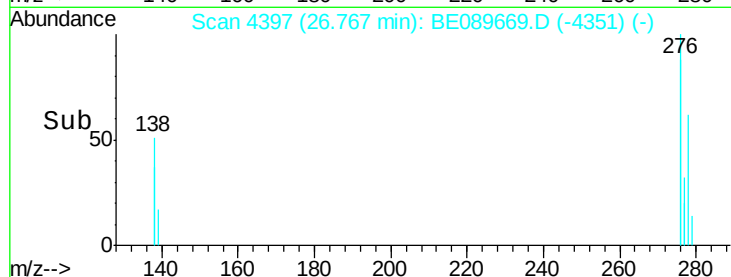
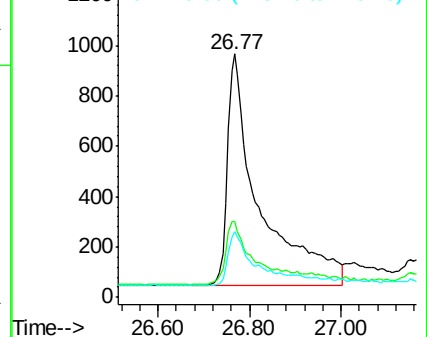
278 100

139 31.0 30.4 45.6

279 26.8 22.0 33.0



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: 0.69 ng

RT: 27.15 min Scan# 4456

Delta R.T. -0.01 min

Lab File: BE089669.D

Acq: 24 Feb 2015 13:43

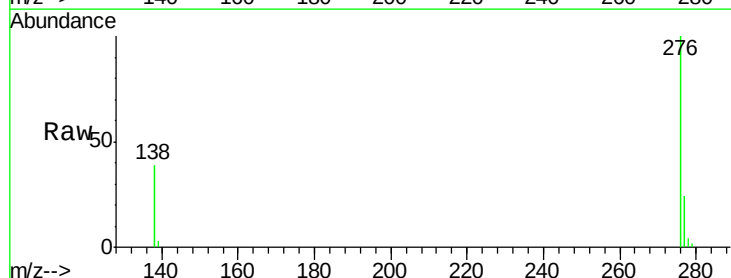
Tgt Ion: 276 Resp: 31493

Ion Ratio Lower Upper

276 100

277 24.1 21.0 31.6

138 39.1 33.0 49.4



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

