

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE022415\
 Data File : BE089671.D
 Acq On : 24 Feb 2015 15:00
 Operator : TP/JJ
 Sample : SSTDICC002
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC002

Quant Time: Feb 24 15:49:53 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 15:00:44 2015
 Response via : Initial Calibration

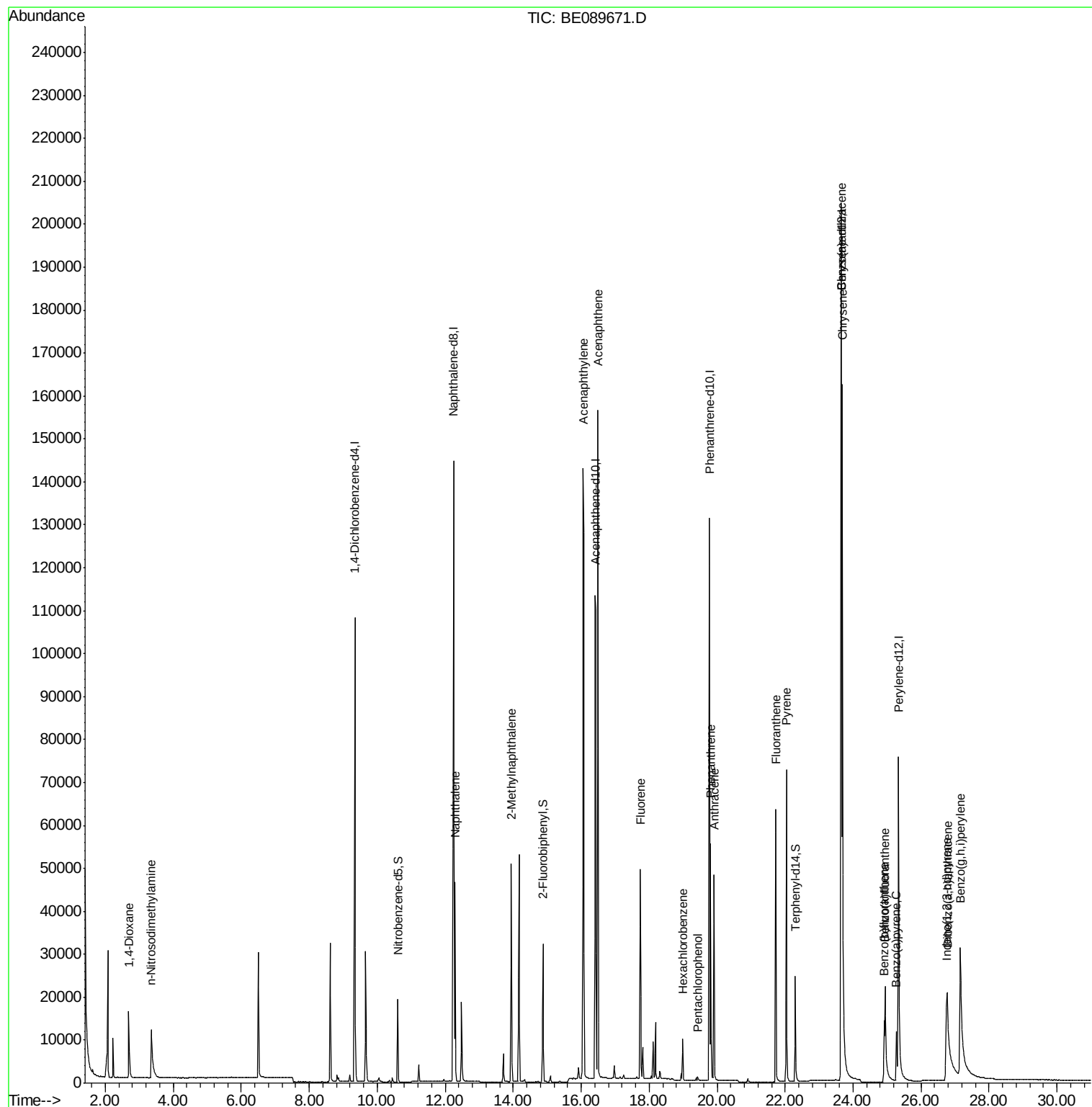
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.34	152	46806	5.00	ng	0.00
4) Naphthalene-d8	12.24	136	165044	5.00	ng	0.00
8) Acenaphthene-d10	16.42	164	75162	5.00	ng	0.01
13) Phenanthrene-d10	19.77	188	135873	5.00	ng	0.00
19) Chrysene-d12	23.66	240	107889	5.00	ng	0.00
25) Perylene-d12	25.34	264	82682	5.00	ng	0.00
System Monitoring Compounds						
5) Nitrobenzene-d5	10.60	82	13787	1.43	ng	0.00
9) 2-Fluorobiphenyl	14.88	172	29813	1.39	ng	0.00
21) Terphenyl-d14	22.30	244	23466	1.89	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.69	88	10373	1.69	ng	99
3) n-Nitrosodimethylamine	3.34	42	13343	1.89	ng	94
6) Naphthalene	12.29	128	56939	1.74	ng	100
7) 2-Methylnaphthalene	13.94	142	34008	1.92	ng	97
10) Acenaphthylene	16.06	152	199810	1.91	ng	100
11) Acenaphthene	16.49	154	30317	1.75	ng	100
12) Fluorene	17.74	166	34372	1.82	ng	99
14) Hexachlorobenzene	18.99	284	6290	1.77	ng	99
15) Pentachlorophenol	19.43	266	810	2.86	ng	93
16) Phenanthrene	19.81	178	51430	1.74	ng	99
17) Anthracene	19.91	178	46536	1.98	ng	100
18) Fluoranthene	21.72	202	46038	2.02	ng	100
20) Pyrene	22.04	202	49674	1.96	ng	100
22) Benzo(a)anthracene	23.64	228	130251	1.97	ng	100
23) Chrysene	23.68	228	173363	1.71	ng	98
24) Indeno(1,2,3-cd)pyrene	26.74	276	72063	3.27	ng	# 46
26) Benzo(b)fluoranthene	24.91	252	13065	2.95	ng	97
27) Benzo(k)fluoranthene	24.94	252	40657	2.58	ng	99
28) Benzo(a)pyrene	25.27	252	16105	2.96	ng	97
29) Dibenzo(a,h)anthracene	26.77	278	13091	3.73	ng	92
30) Benzo(g,h,i)perylene	27.16	276	77574	2.75	ng	98

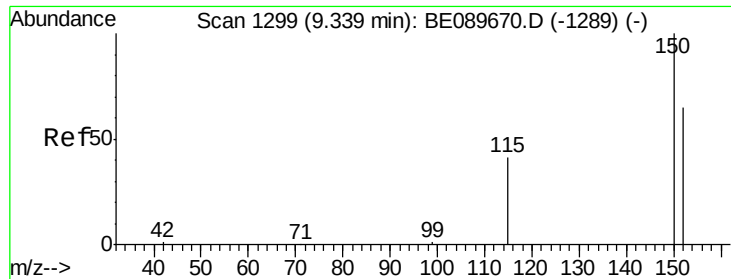
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE089671.D

Acq: 24 Feb 2015 15:00

Instrument :

BNA_E

LabSampleId :

SSTDIC002

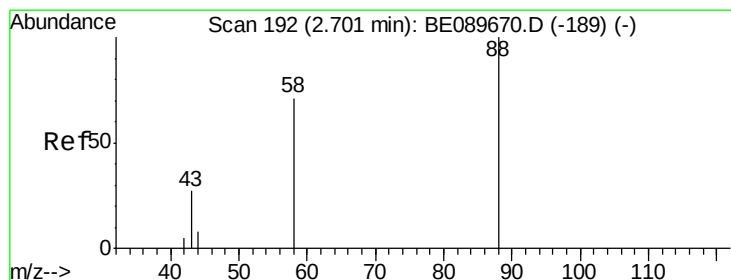
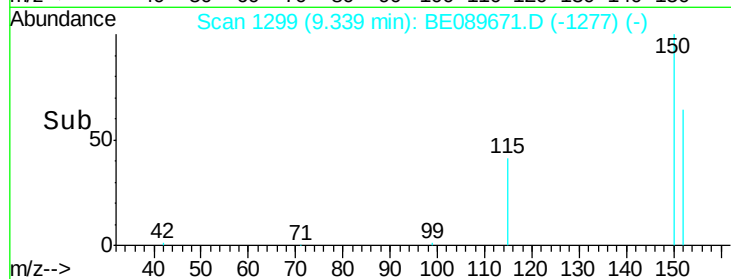
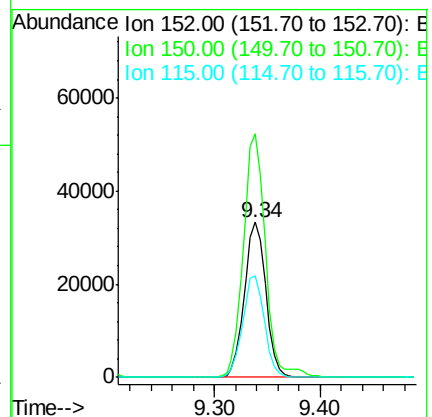
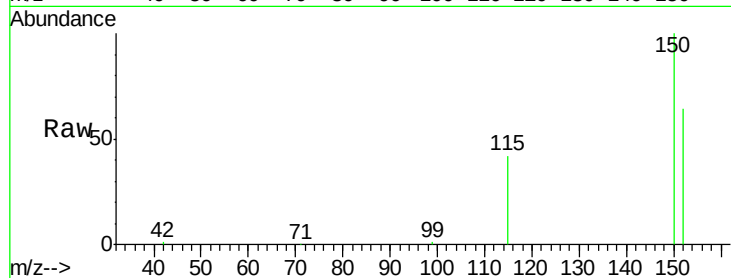
Tgt Ion: 152 Resp: 46806

Ion Ratio Lower Upper

152 100

150 157.4 123.4 185.0

115 65.4 50.8 76.2



#2

1,4-Dioxane

Concen: 1.69 ng

RT: 2.69 min Scan# 191

Delta R.T. -0.01 min

Lab File: BE089671.D

Acq: 24 Feb 2015 15:00

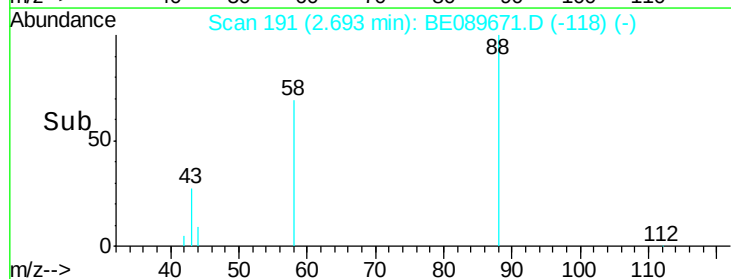
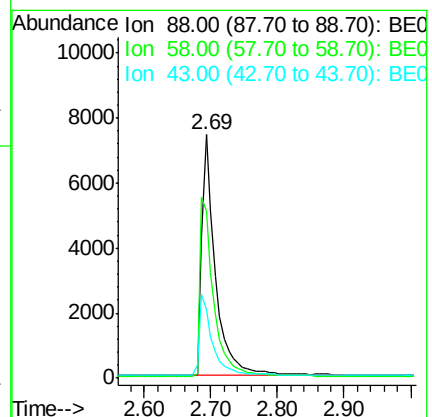
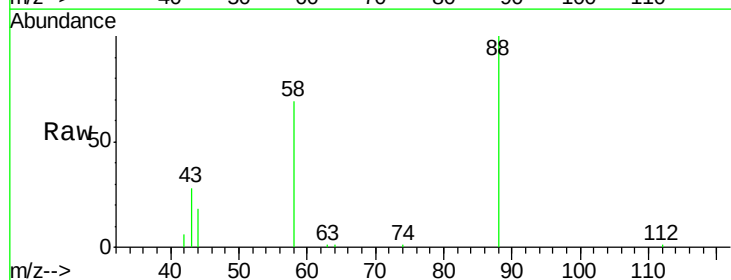
Tgt Ion: 88 Resp: 10373

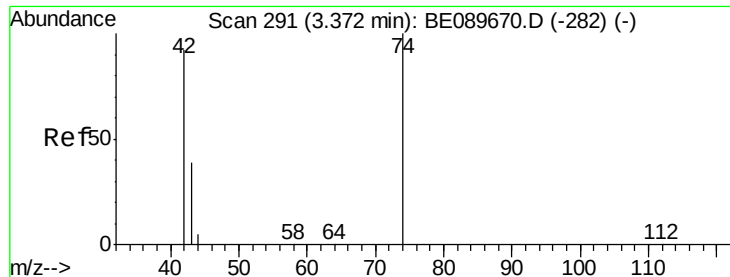
Ion Ratio Lower Upper

88 100

58 76.9 62.4 93.6

43 32.3 26.6 40.0





#3

n-Nitrosodimethylamine

Concen: 1.89 ng

RT: 3.34 min Scan# 287

Delta R.T. -0.03 min

Lab File: BE089671.D

Acq: 24 Feb 2015 15:00

Instrument :

BNA_E

LabSampleId :

SSTDICC002

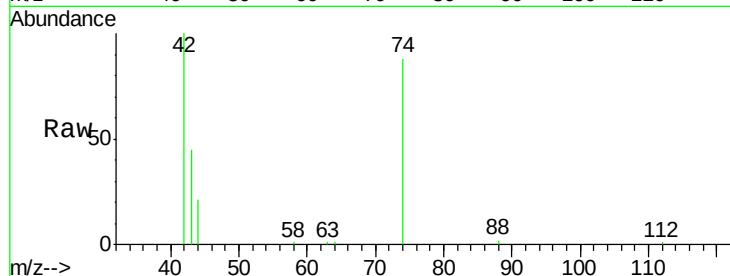
Tgt Ion: 42 Resp: 13343

Ion Ratio Lower Upper

42 100

74 121.0 91.1 136.7

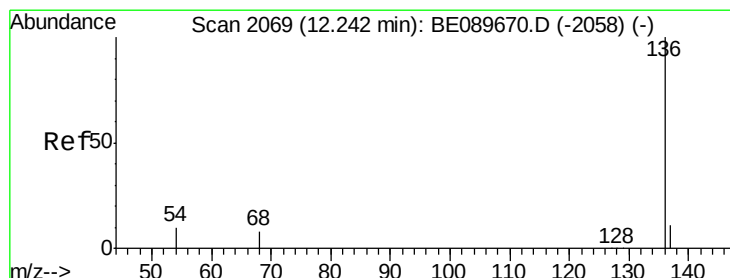
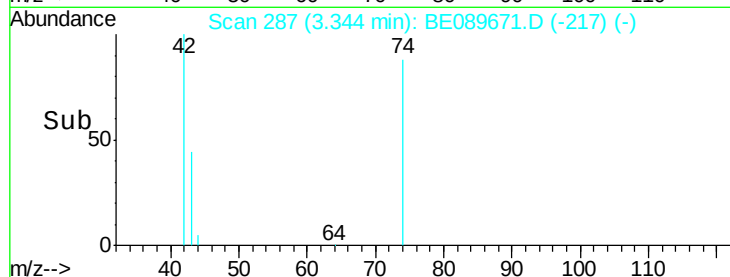
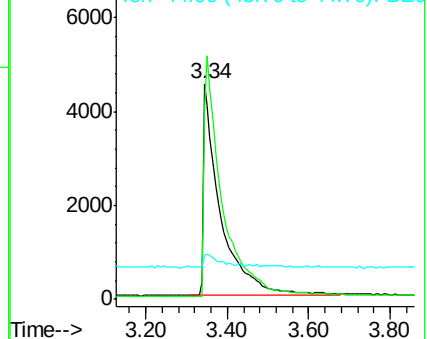
44 5.5 4.7 7.1



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# 2070

Delta R.T. 0.00 min

Lab File: BE089671.D

Acq: 24 Feb 2015 15:00

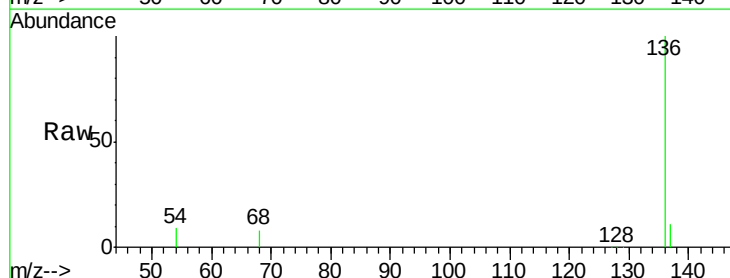
Tgt Ion: 136 Resp: 165044

Ion Ratio Lower Upper

136 100

137 10.9 8.7 13.1

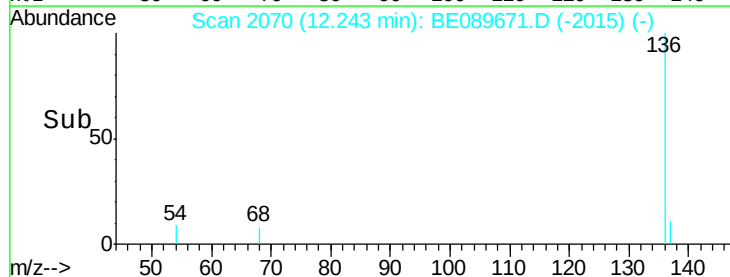
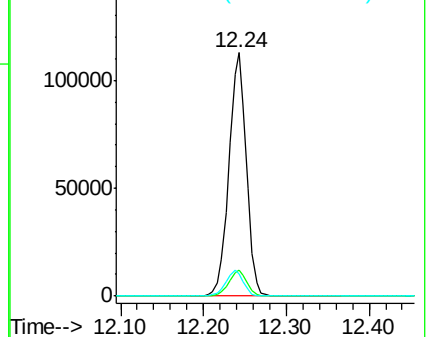
54 9.3 7.8 11.8

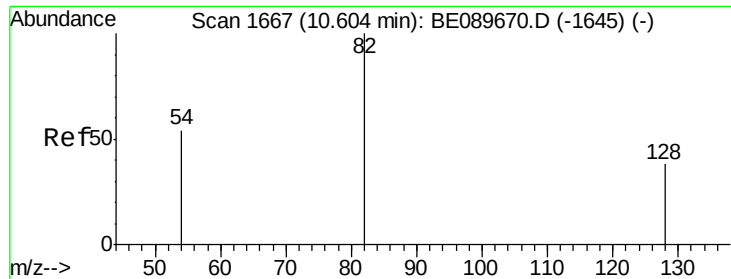


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0





#5

Nitrobenzene-d5

Concen: 1.43 ng

RT: 10.60 min Scan# 1667

Delta R.T. -0.00 min

Lab File: BE089671.D

Acq: 24 Feb 2015 15:00

Instrument :

BNA_E

LabSampleId :

SSTDICC002

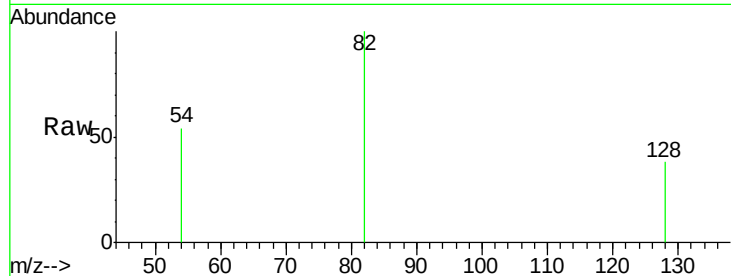
Tgt Ion: 82 Resp: 13787

Ion Ratio Lower Upper

82 100

128 38.3 30.6 46.0

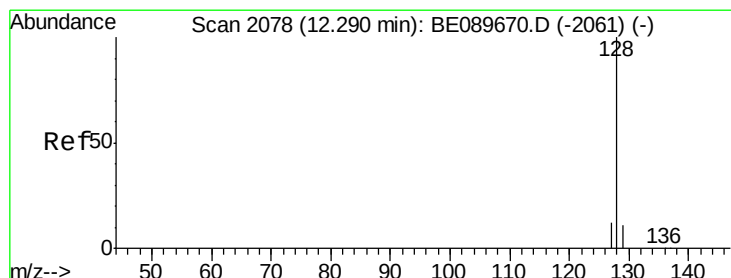
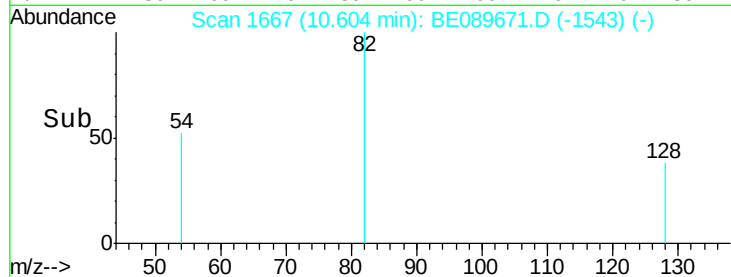
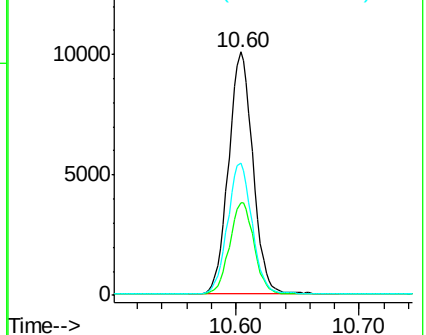
54 54.4 43.6 65.4



Abundance Ion 82.00 (81.70 to 82.70): BE089671.D (-1645) (-)

Ion 128.00 (127.70 to 128.70): BE089671.D (-1645) (-)

Ion 54.00 (53.70 to 54.70): BE089671.D (-1645) (-)



#6

Naphthalene

Concen: 1.74 ng

RT: 12.29 min Scan# 2079

Delta R.T. 0.00 min

Lab File: BE089671.D

Acq: 24 Feb 2015 15:00

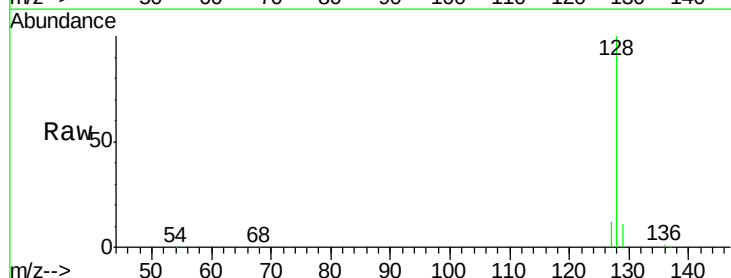
Tgt Ion: 128 Resp: 56939

Ion Ratio Lower Upper

128 100

129 11.2 8.9 13.3

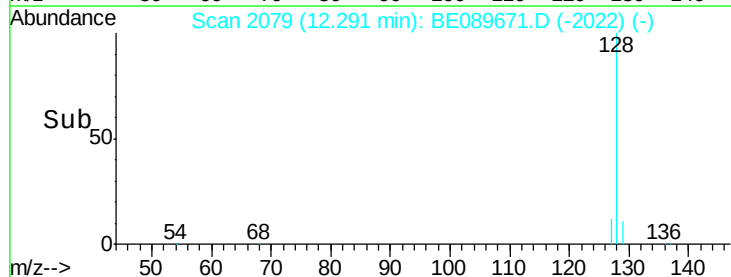
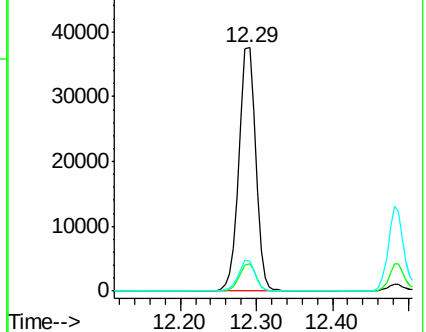
127 12.2 9.7 14.5

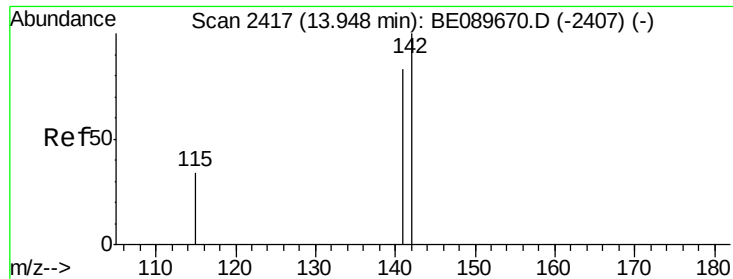


Abundance Ion 128.00 (127.70 to 128.70): BE089671.D (-2061) (-)

Ion 129.00 (128.70 to 129.70): BE089671.D (-2061) (-)

Ion 127.00 (126.70 to 127.70): BE089671.D (-2061) (-)





#7

2-Methylnaphthalene

Concen: 1.92 ng

RT: 13.94 min Scan# 2417

Delta R.T. -0.00 min

Lab File: BE089671.D

Acq: 24 Feb 2015 15:00

Instrument :

BNA_E

LabSampleId :

SSTDICC002

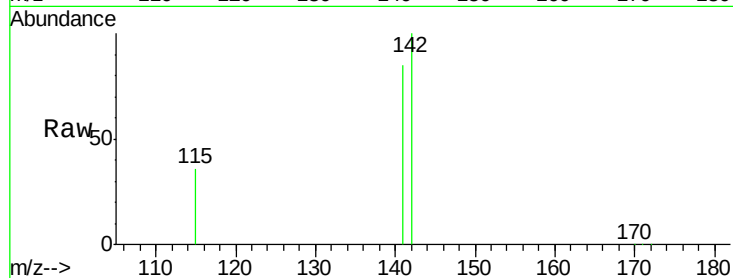
Tgt Ion:142 Resp: 34008

Ion Ratio Lower Upper

142 100

141 85.1 66.0 99.0

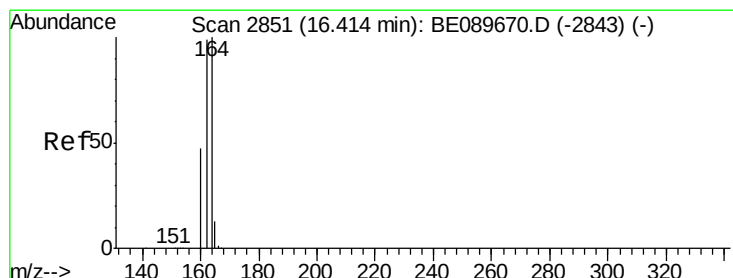
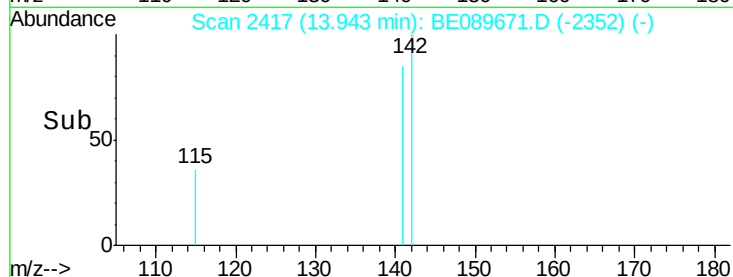
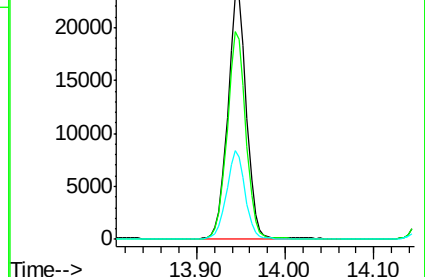
115 36.4 27.4 41.0



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# 2853

Delta R.T. 0.01 min

Lab File: BE089671.D

Acq: 24 Feb 2015 15:00

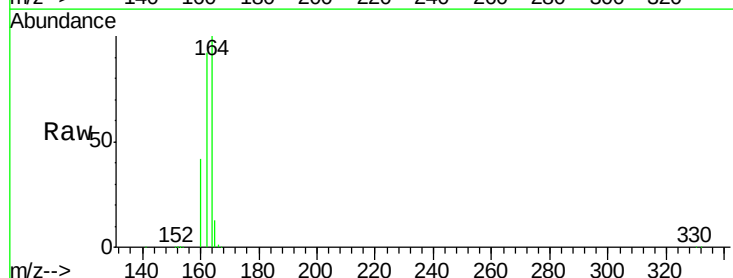
Tgt Ion:164 Resp: 75162

Ion Ratio Lower Upper

164 100

162 92.2 79.4 119.2

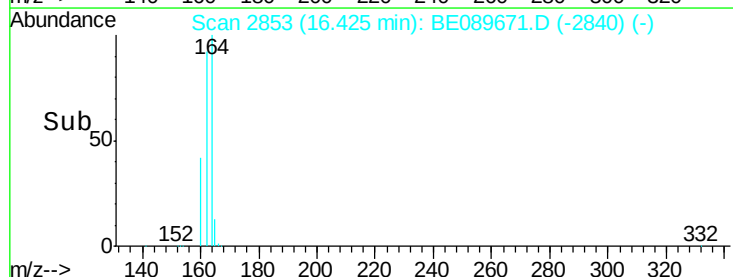
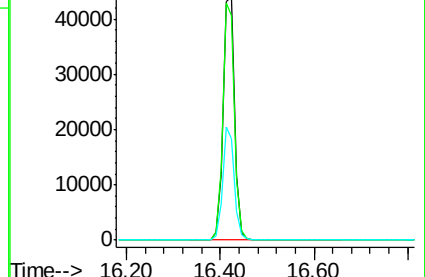
160 41.7 37.6 56.4

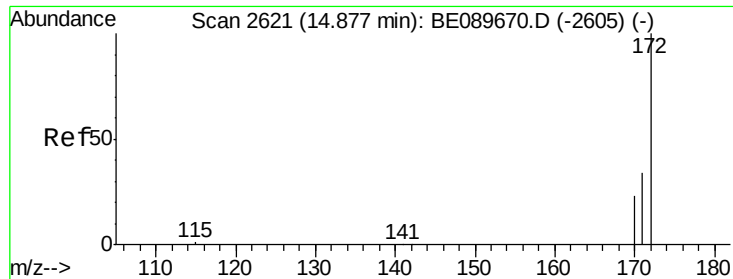


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#9

2-Fluorobiphenyl

Concen: 1.39 ng

RT: 14.88 min Scan# 2622

Delta R.T. -0.00 min

Lab File: BE089671.D

Acq: 24 Feb 2015 15:00

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SSTDICC002

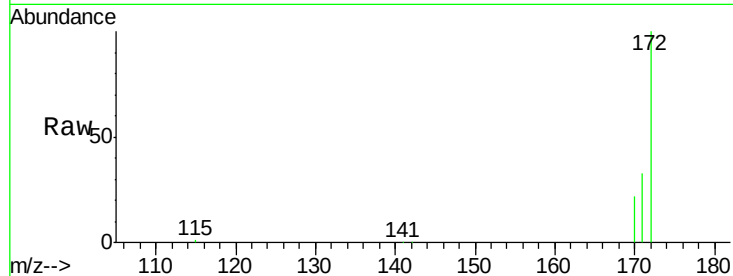
Tgt Ion:172 Resp: 29813

Ion Ratio Lower Upper

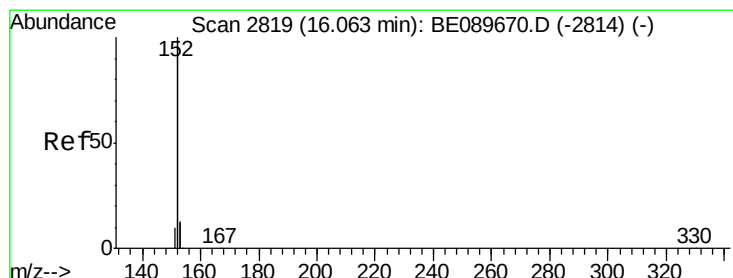
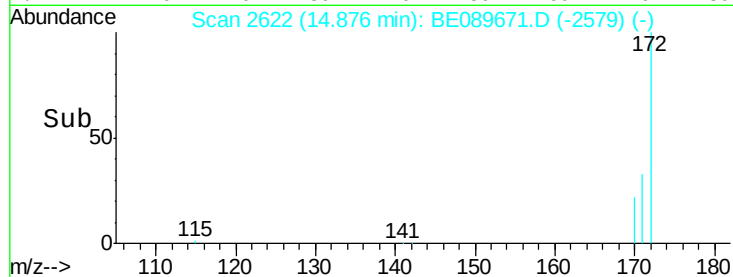
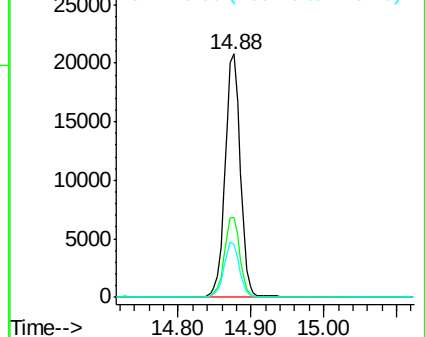
172 100

171 33.0 27.3 40.9

170 21.8 18.5 27.7



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



#10

Acenaphthylene

Concen: 1.91 ng

RT: 16.06 min Scan# 2820

Delta R.T. -0.00 min

Lab File: BE089671.D

Acq: 24 Feb 2015 15:00

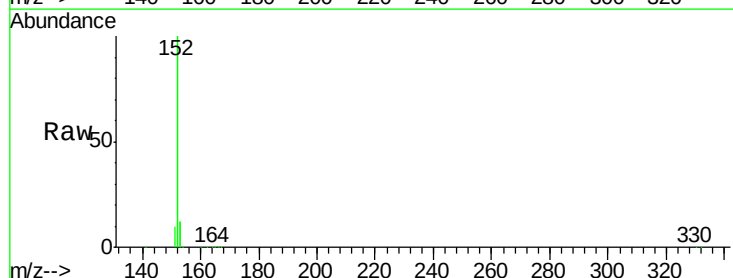
Tgt Ion:152 Resp: 199810

Ion Ratio Lower Upper

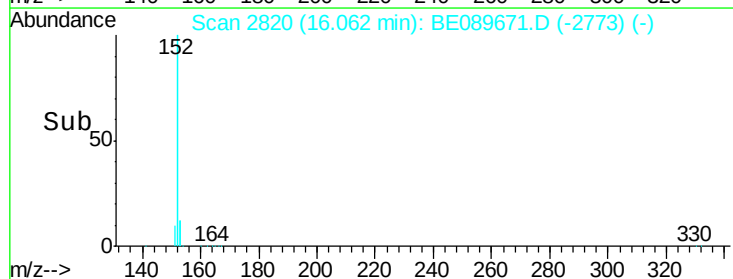
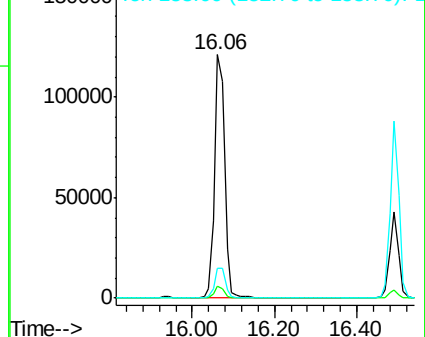
152 100

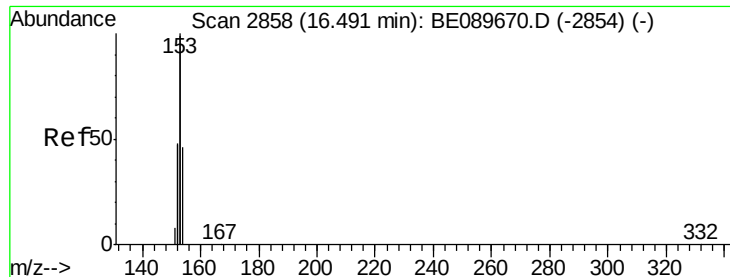
151 4.8 3.8 5.6

153 13.0 10.4 15.6



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





#11

Acenaphthene

Concen: 1.75 ng

RT: 16.49 min Scan# 2859

Delta R.T. -0.00 min

Lab File: BE089671.D

Acq: 24 Feb 2015 15:00

Instrument :

BNA_E

LabSampleId :

SSTDICC002

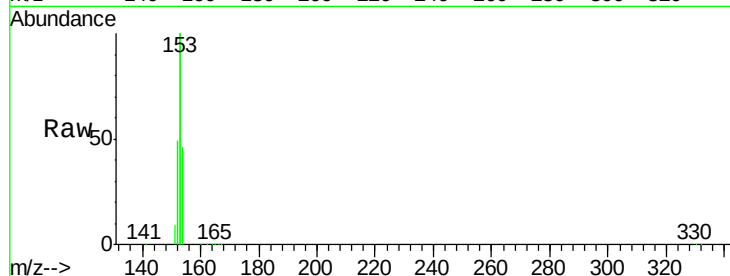
Tgt Ion:154 Resp: 30317

Ion Ratio Lower Upper

154 100

153 431.6 345.8 518.8

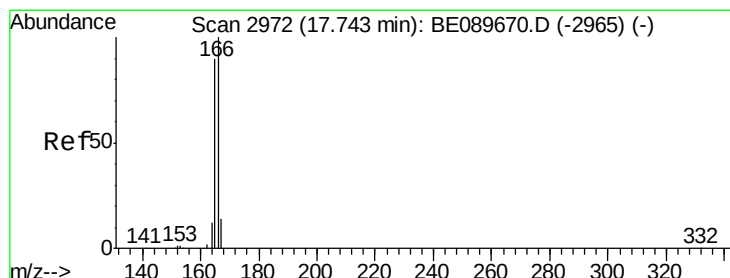
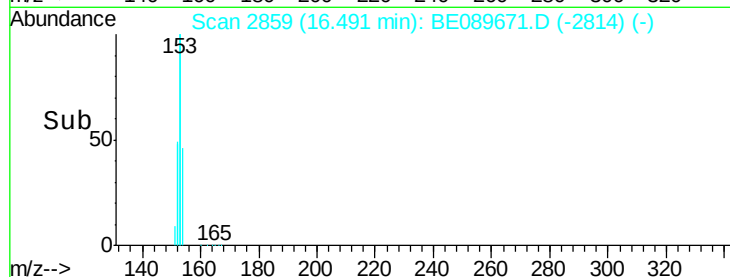
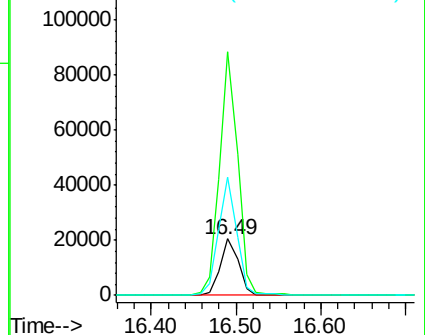
152 209.6 168.6 252.8



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: 1.82 ng

RT: 17.74 min Scan# 2973

Delta R.T. -0.00 min

Lab File: BE089671.D

Acq: 24 Feb 2015 15:00

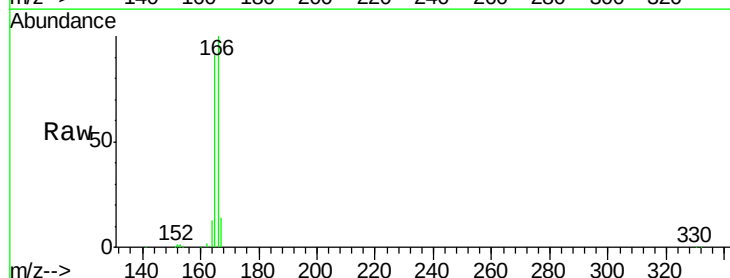
Tgt Ion:166 Resp: 34372

Ion Ratio Lower Upper

166 100

165 92.9 73.6 110.4

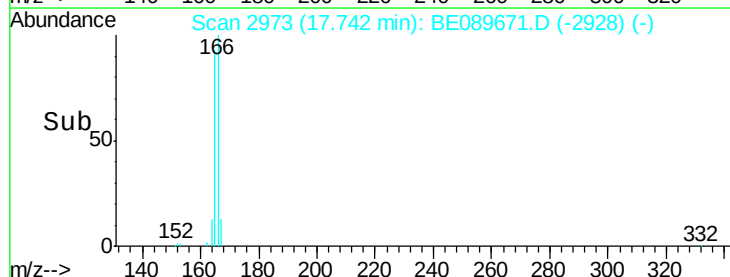
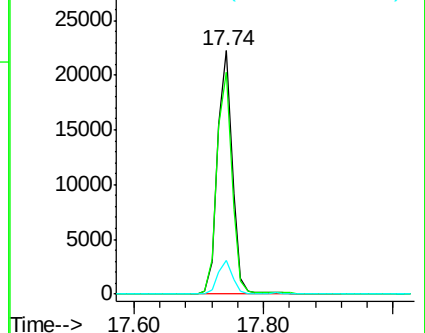
167 13.2 10.6 16.0

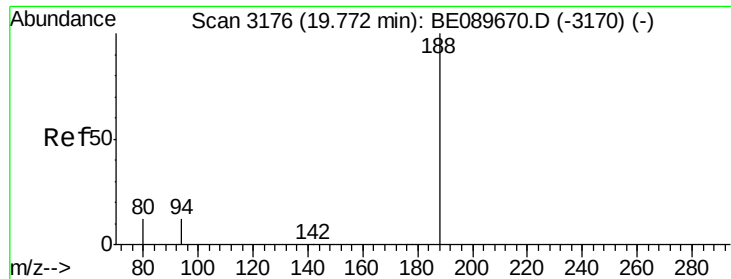


Abundance Ion 166.00 (165.70 to 166.70): E

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# 3177

Delta R.T. -0.00 min

Lab File: BE089671.D

Acq: 24 Feb 2015 15:00

Instrument :

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SSTDICC002

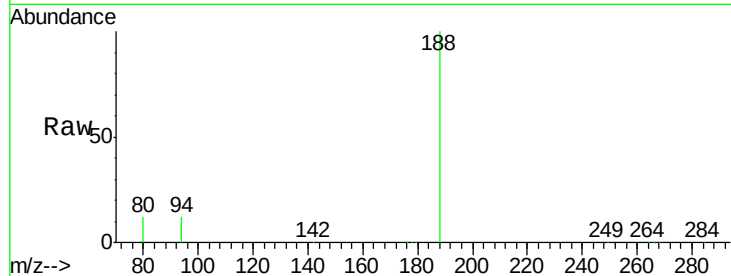
Tgt Ion:188 Resp: 135873

Ion Ratio Lower Upper

188 100

94 11.7 9.4 14.2

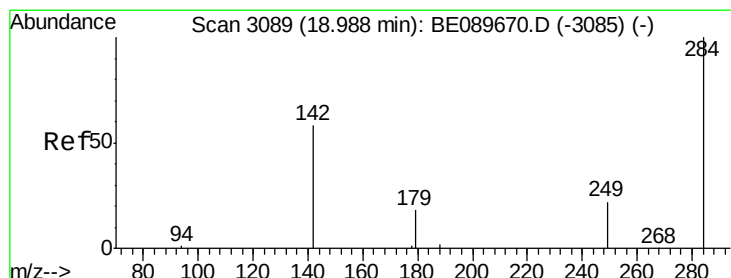
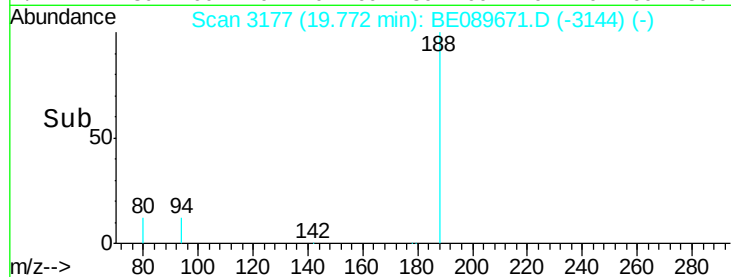
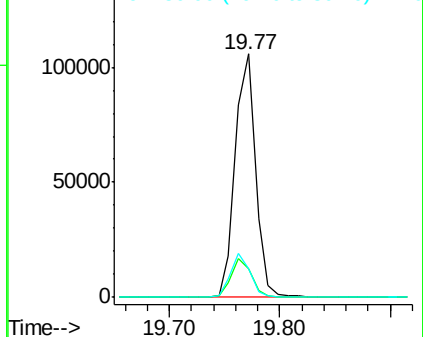
80 11.9 9.5 14.3



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: 1.77 ng

RT: 18.99 min Scan# 3090

Delta R.T. -0.00 min

Lab File: BE089671.D

Acq: 24 Feb 2015 15:00

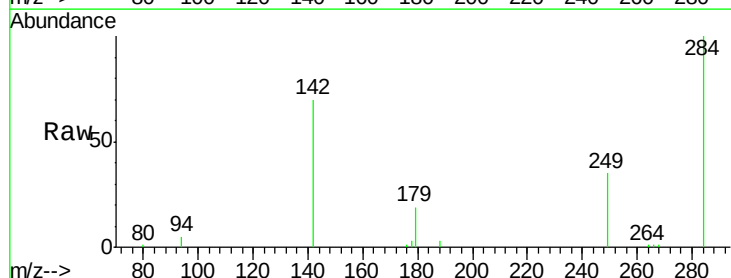
Tgt Ion:284 Resp: 6290

Ion Ratio Lower Upper

284 100

142 69.2 55.4 83.2

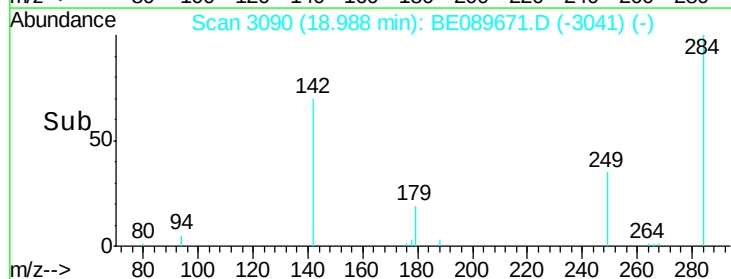
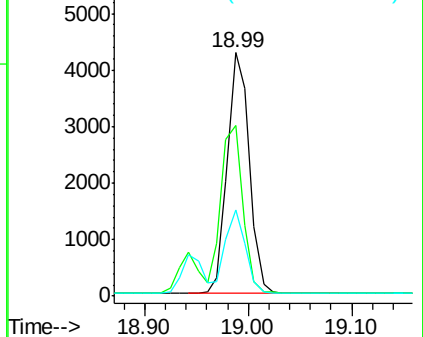
249 32.3 27.2 40.8

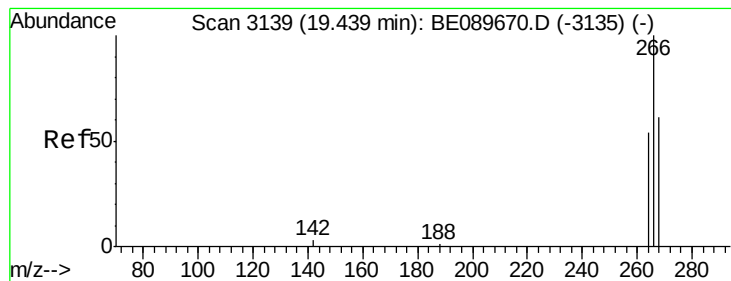


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





#15

Pentachlorophenol

Concen: 2.86 ng

RT: 19.43 min Scan# 3139

Delta R.T. -0.01 min

Lab File: BE089671.D

Acq: 24 Feb 2015 15:00

Instrument :

BNA_E

LabSampleId :

SSTDICC002

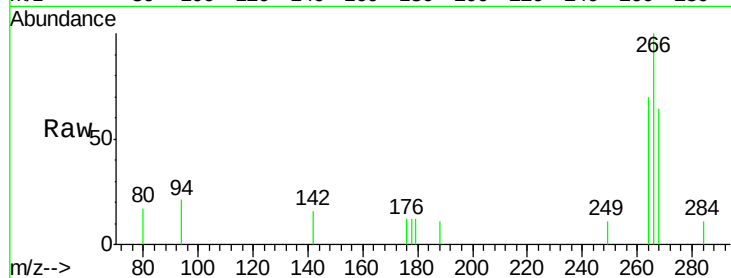
Tgt Ion:266 Resp: 810

Ion Ratio Lower Upper

266 100

268 64.0 56.3 84.5

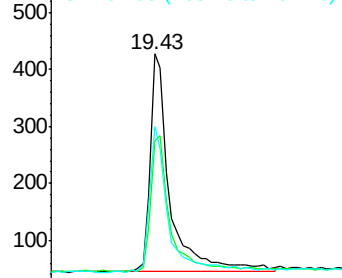
264 69.9 51.8 77.8



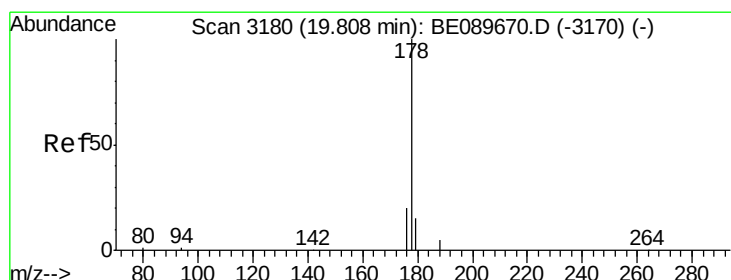
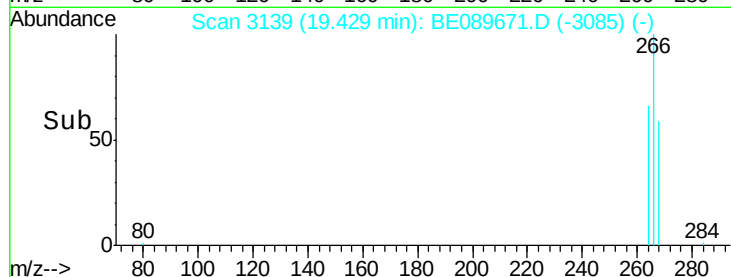
Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E



Time-->



#16

Phenanthrene

Concen: 1.74 ng

RT: 19.81 min Scan# 3181

Delta R.T. -0.00 min

Lab File: BE089671.D

Acq: 24 Feb 2015 15:00

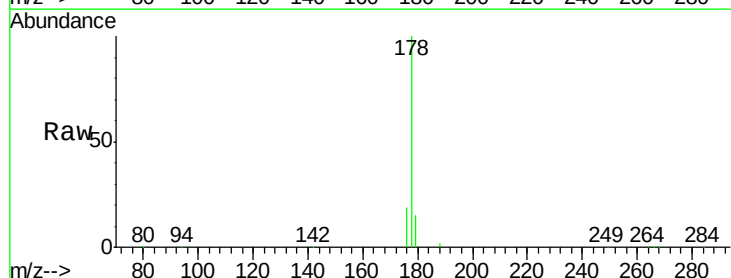
Tgt Ion:178 Resp: 51430

Ion Ratio Lower Upper

178 100

176 19.0 15.3 22.9

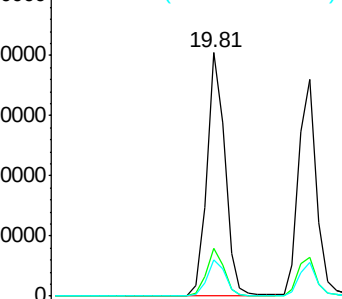
179 15.3 12.5 18.7



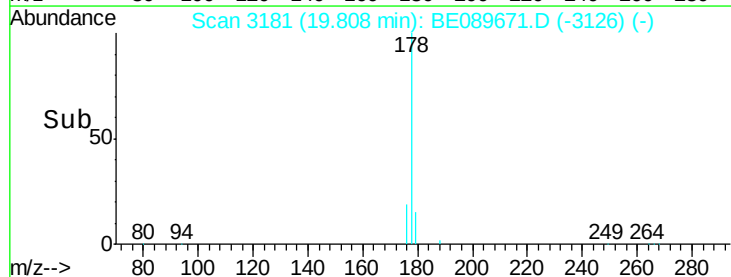
Abundance Ion 178.00 (177.70 to 178.70): E

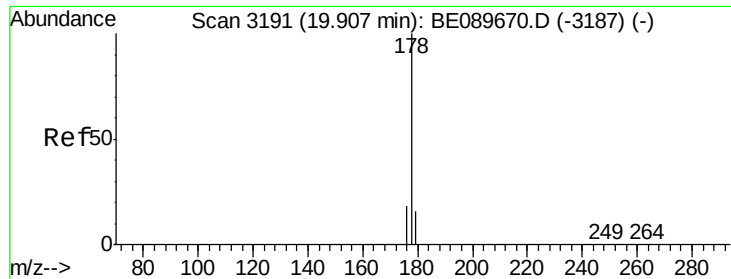
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->





#17

Anthracene

Concen: 1.98 ng

RT: 19.91 min Scan# 3192

Delta R.T. -0.00 min

Lab File: BE089671.D

Acq: 24 Feb 2015 15:00

Instrument :

BNA_E

LabSampleId :

SSTDICC002

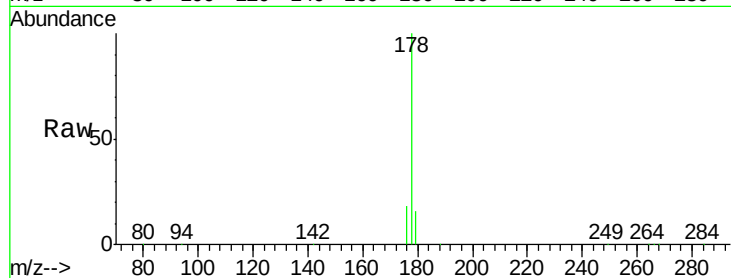
Tgt Ion:178 Resp: 46536

Ion Ratio Lower Upper

178 100

176 18.4 14.8 22.2

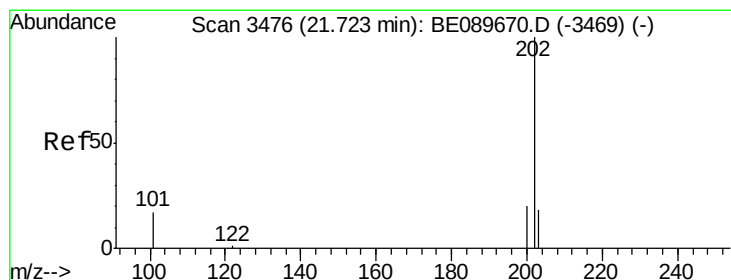
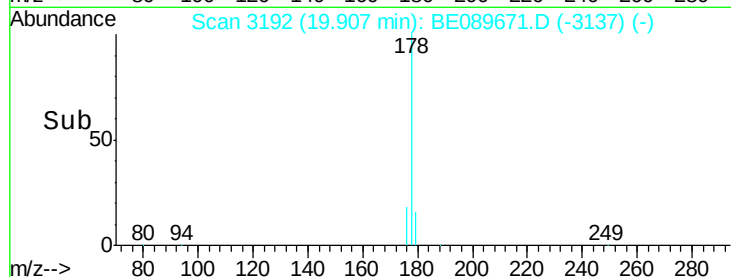
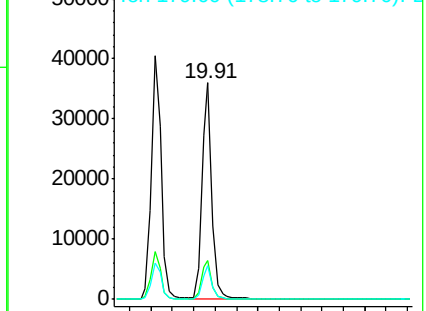
179 15.0 12.2 18.2



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: 2.02 ng

RT: 21.72 min Scan# 3477

Delta R.T. -0.00 min

Lab File: BE089671.D

Acq: 24 Feb 2015 15:00

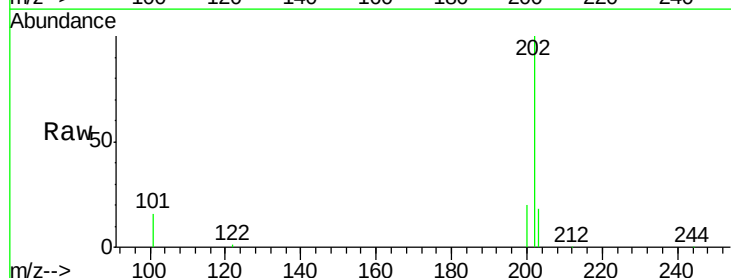
Tgt Ion:202 Resp: 46038

Ion Ratio Lower Upper

202 100

101 18.7 14.9 22.3

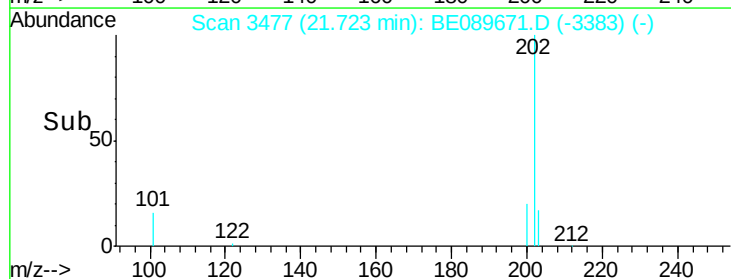
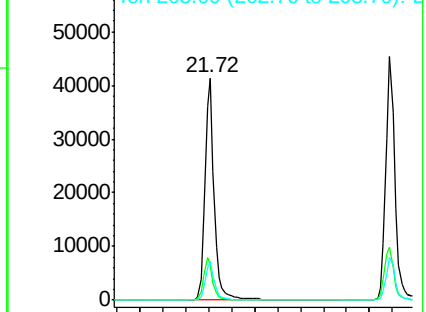
203 17.1 13.8 20.6

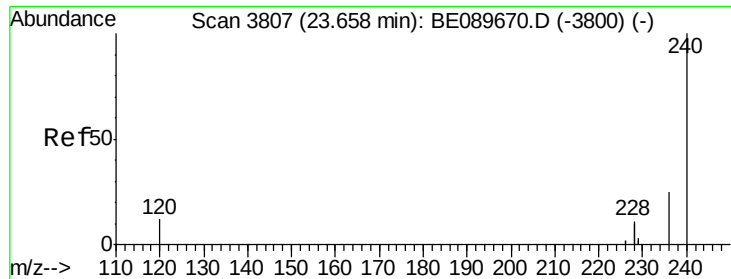


Abundance Ion 202.00 (201.70 to 202.70): E

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# 3808

Delta R.T. -0.00 min

Lab File: BE089671.D

Acq: 24 Feb 2015 15:00

Instrument :

BNA_E

LabSampleId :

SSTDICC002

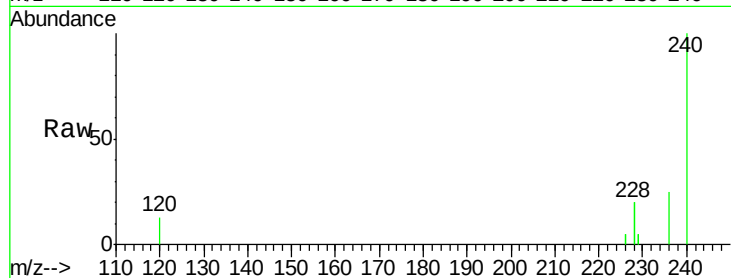
Tgt Ion:240 Resp: 107889

Ion Ratio Lower Upper

240 100

120 12.5 9.4 14.0

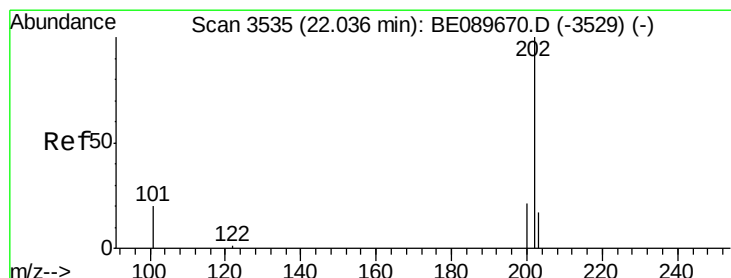
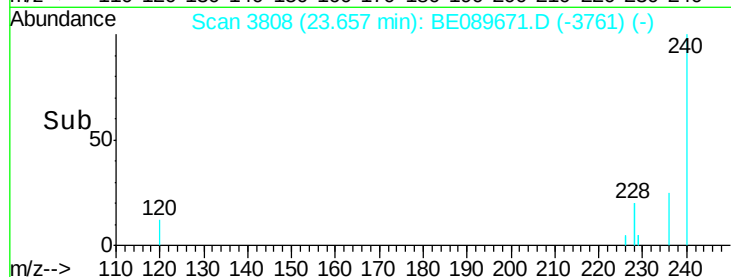
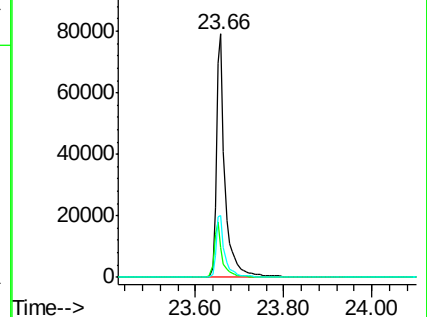
236 25.3 19.9 29.9



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: 1.96 ng

RT: 22.04 min Scan# 3536

Delta R.T. -0.00 min

Lab File: BE089671.D

Acq: 24 Feb 2015 15:00

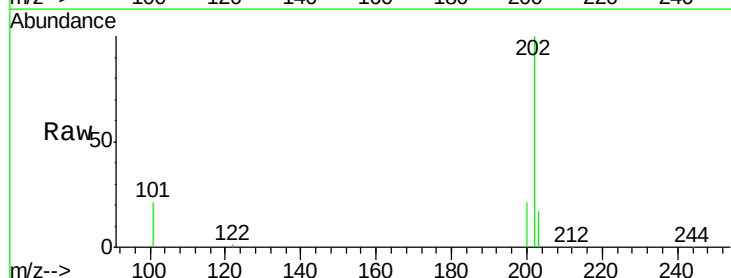
Tgt Ion:202 Resp: 49674

Ion Ratio Lower Upper

202 100

200 20.7 16.4 24.6

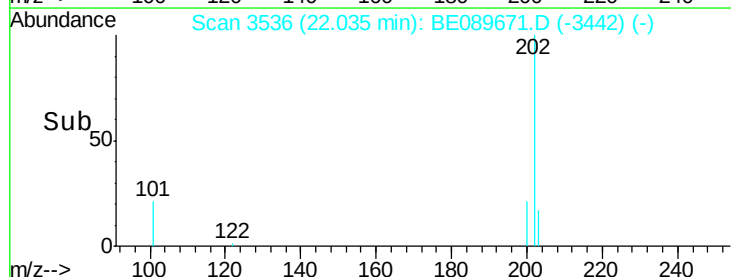
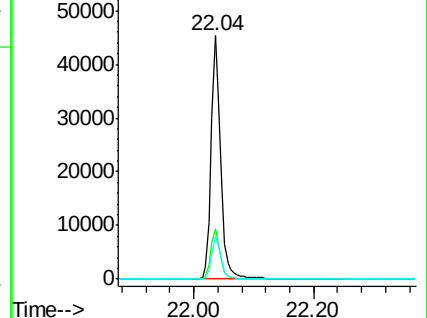
203 17.4 13.9 20.9

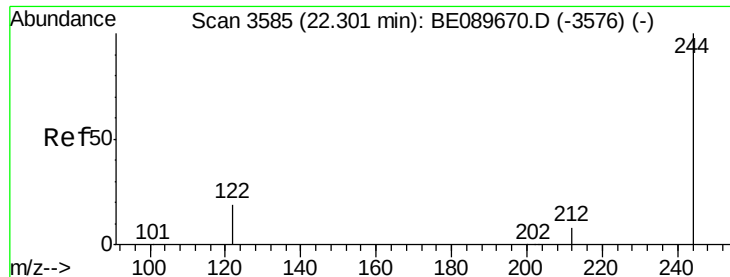


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#21

Terphenyl-d14

Concen: 1.89 ng

RT: 22.30 min Scan# 3586

Delta R.T. -0.00 min

Lab File: BE089671.D

Acq: 24 Feb 2015 15:00

Instrument :

BNA_E

LabSampleId :

SSTDICC002

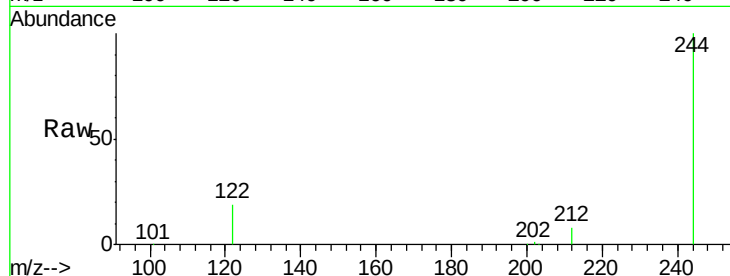
Tgt Ion: 244 Resp: 23466

Ion Ratio Lower Upper

244 100

212 8.5 7.0 10.6

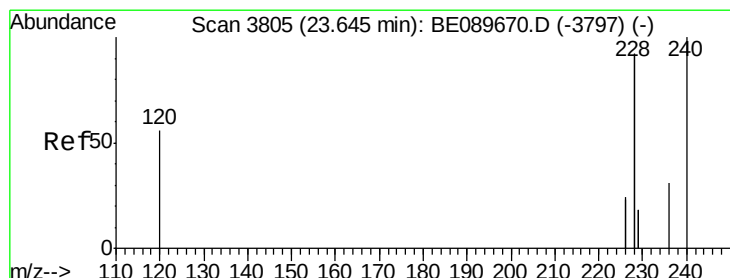
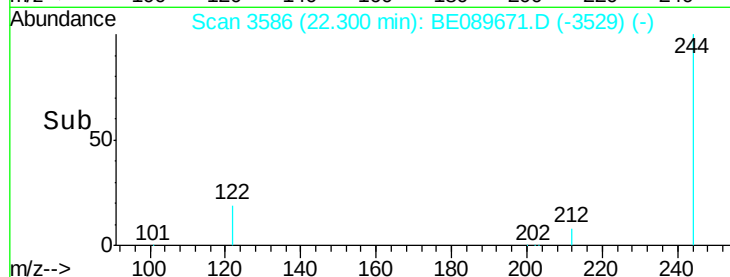
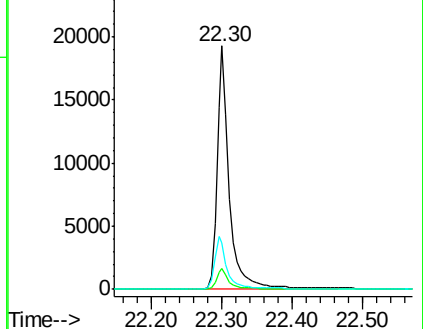
122 19.2 15.4 23.0



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: 1.97 ng

RT: 23.64 min Scan# 3806

Delta R.T. -0.00 min

Lab File: BE089671.D

Acq: 24 Feb 2015 15:00

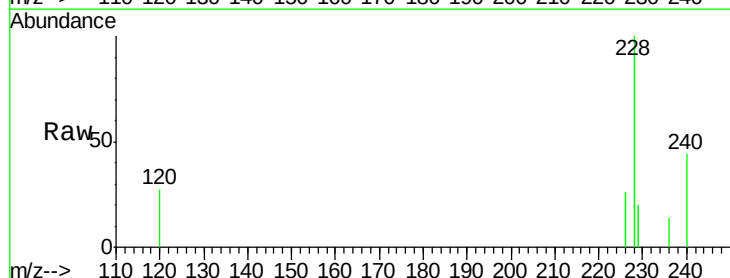
Tgt Ion: 228 Resp: 130251

Ion Ratio Lower Upper

228 100

226 25.7 20.6 31.0

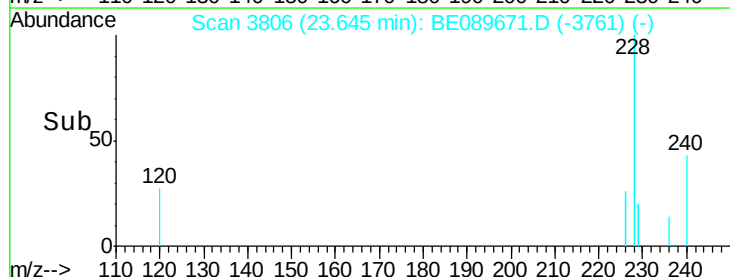
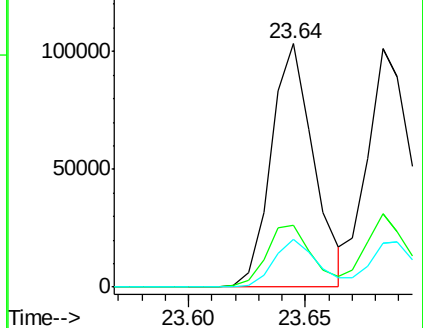
229 19.9 15.8 23.6

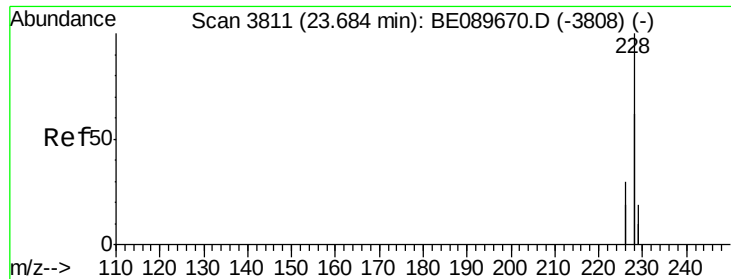


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#23

Chrysene

Concen: 1.71 ng

RT: 23.68 min Scan# 3812

Delta R.T. -0.00 min

Lab File: BE089671.D

Acq: 24 Feb 2015 15:00

Instrument :

BNA_E

LabSampleId :

SSTDICC002

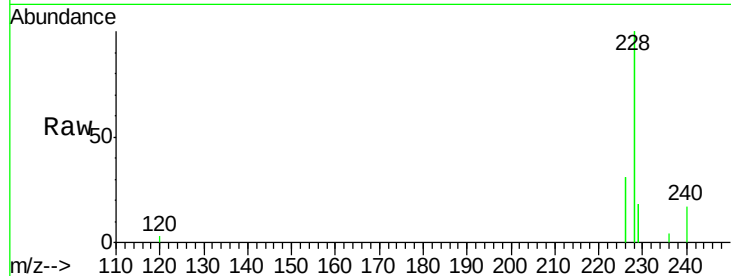
Tgt Ion:228 Resp: 173363

Ion Ratio Lower Upper

228 100

226 30.6 23.6 35.4

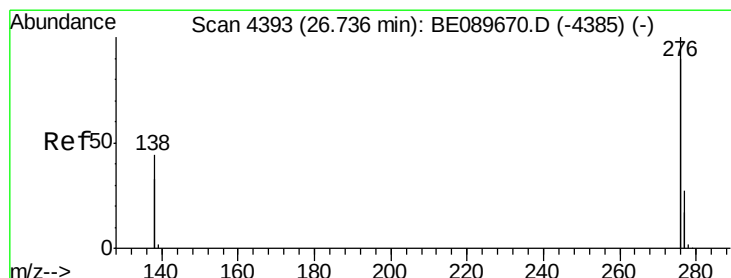
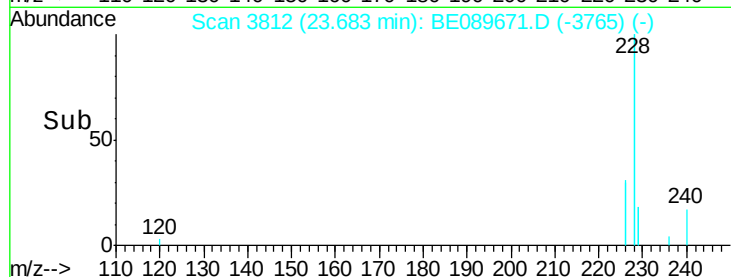
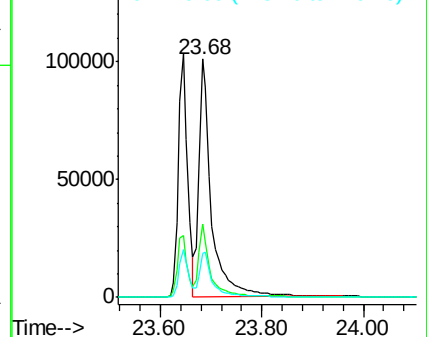
229 18.3 15.3 22.9



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: 3.27 ng

RT: 26.74 min Scan# 4395

Delta R.T. 0.01 min

Lab File: BE089671.D

Acq: 24 Feb 2015 15:00

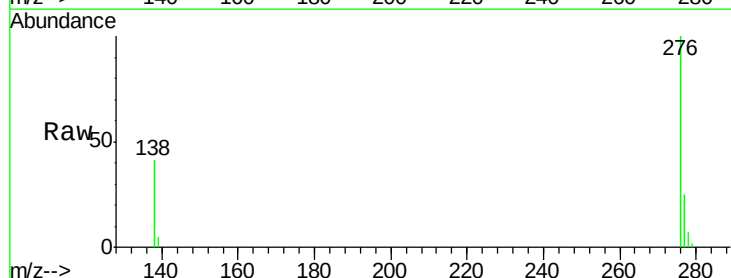
Tgt Ion:276 Resp: 72063

Ion Ratio Lower Upper

276 100

138 45.0 0.0 0.0#

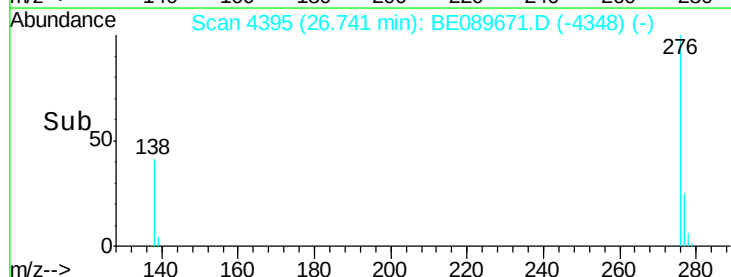
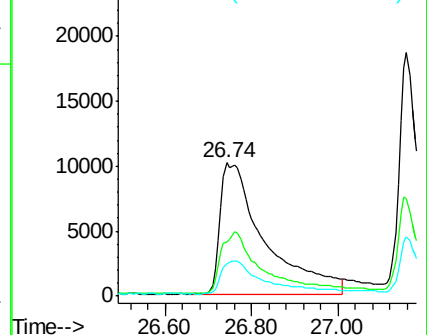
277 24.9 5.2 7.8#

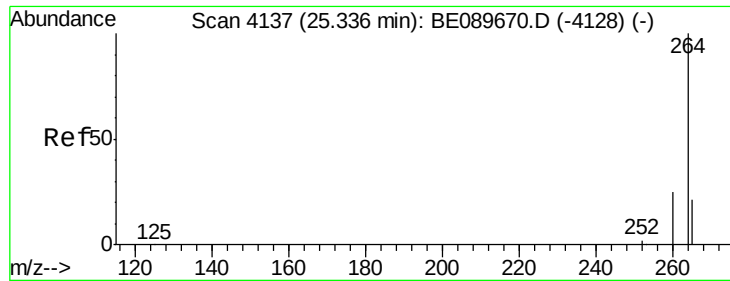


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

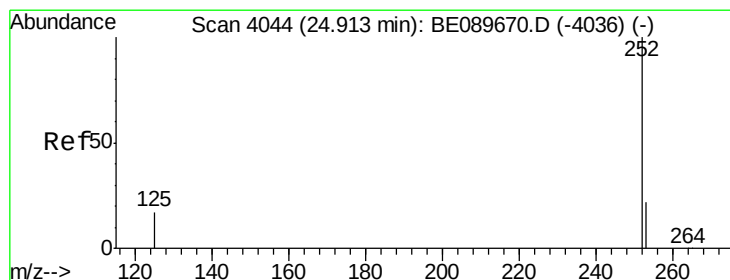
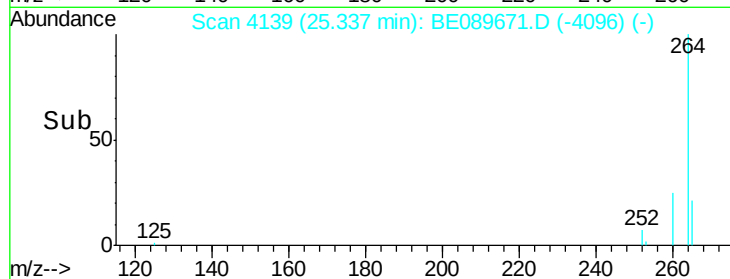
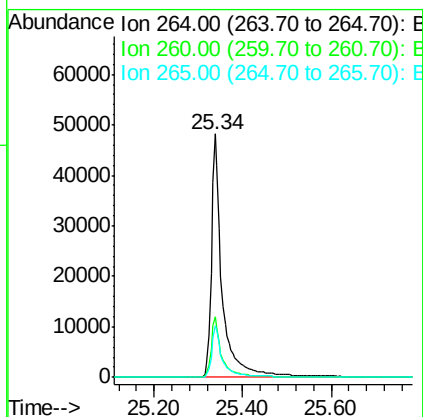
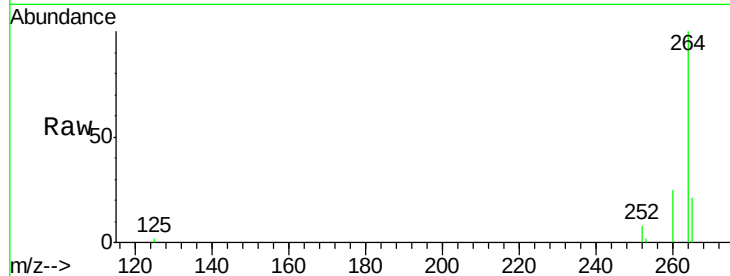




#25
 Perylene-d12
 Concen: 5.00 ng
 RT: 25.34 min Scan# 4139
 Delta R.T. 0.00 min
 Lab File: BE089671.D
 Acq: 24 Feb 2015 15:00

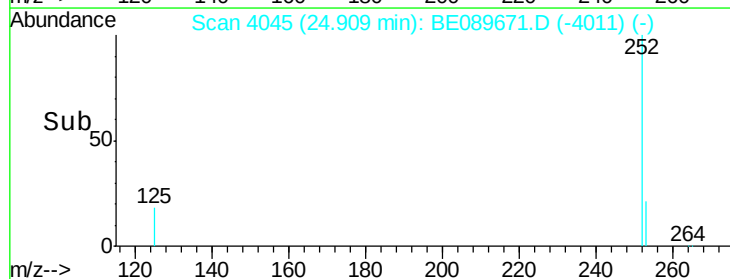
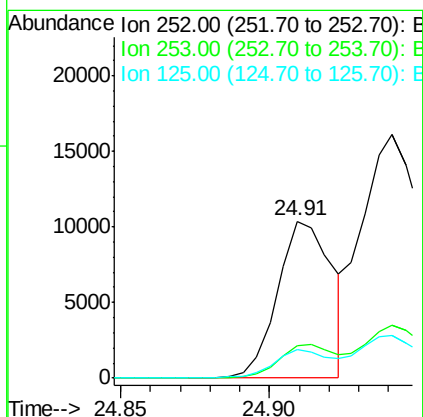
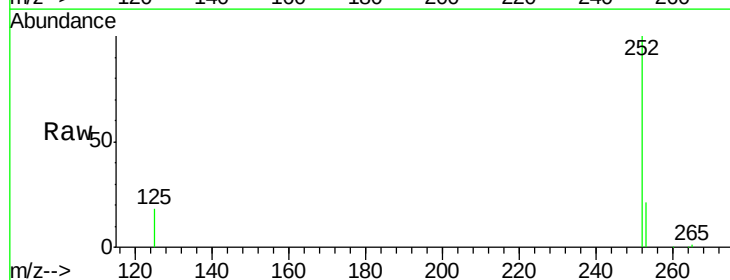
Instrument :
 BNA_E
 LabSampleId :
 SSTDICC002

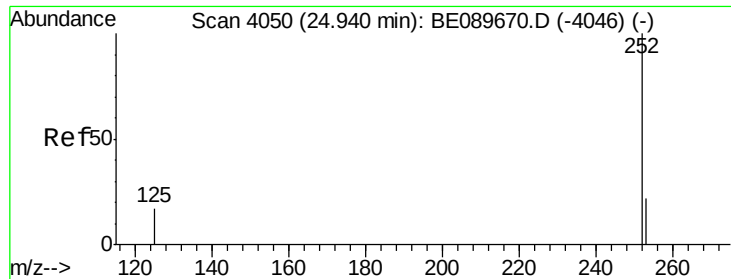
Tgt Ion: 264 Resp: 82682
 Ion Ratio Lower Upper
 264 100
 260 24.8 20.2 30.4
 265 21.4 17.0 25.4



#26
 Benzo(b)fluoranthene
 Concen: 2.95 ng
 RT: 24.91 min Scan# 4045
 Delta R.T. -0.00 min
 Lab File: BE089671.D
 Acq: 24 Feb 2015 15:00

Tgt Ion: 252 Resp: 13065
 Ion Ratio Lower Upper
 252 100
 253 20.9 18.6 27.8
 125 18.5 15.0 22.6





#27

Benzo(k)fluoranthene

Concen: 2.58 ng

RT: 24.94 min Scan# 4052

Delta R.T. 0.00 min

Lab File: BE089671.D

Acq: 24 Feb 2015 15:00

Instrument :

BNA_E

LabSampleId :

SSTDIC002

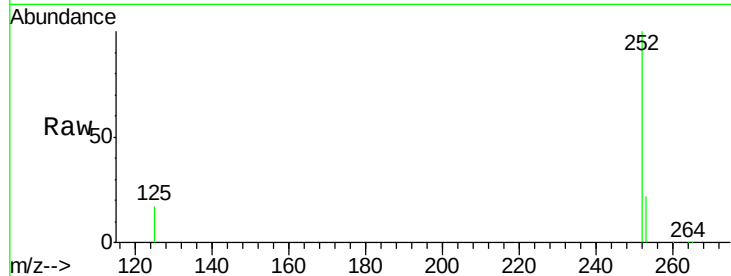
Tgt Ion:252 Resp: 40657

Ion Ratio Lower Upper

252 100

253 21.9 18.0 27.0

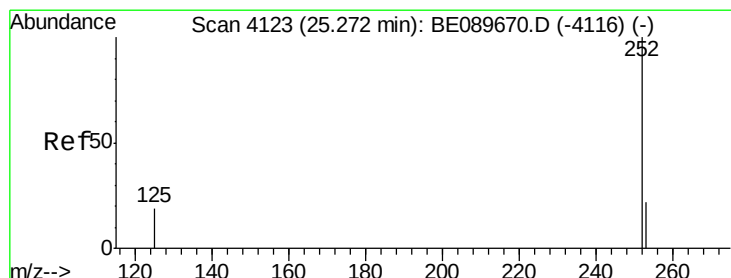
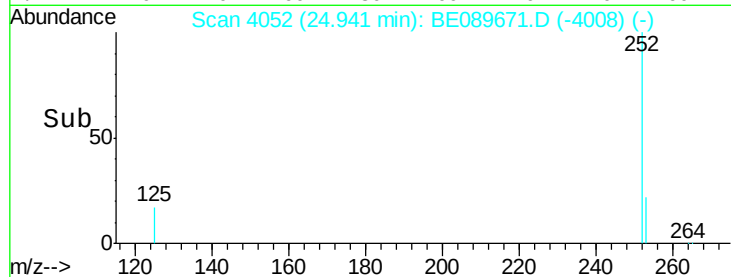
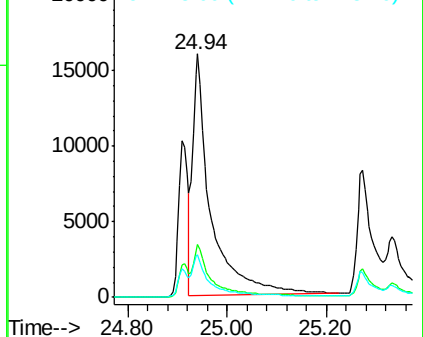
125 17.4 14.3 21.5



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: 2.96 ng

RT: 25.27 min Scan# 4125

Delta R.T. 0.00 min

Lab File: BE089671.D

Acq: 24 Feb 2015 15:00

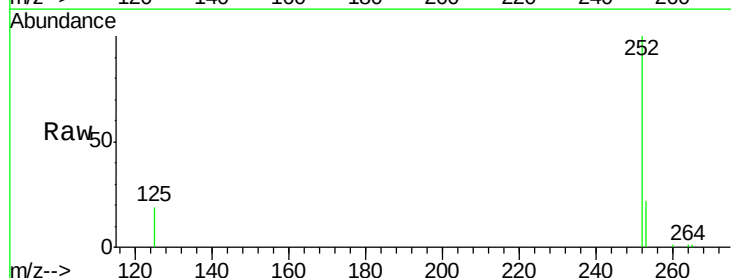
Tgt Ion:252 Resp: 16105

Ion Ratio Lower Upper

252 100

253 22.3 18.8 28.2

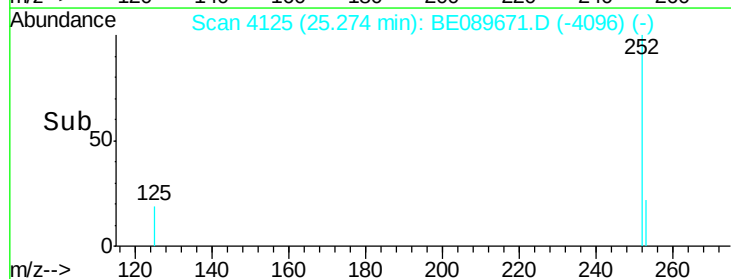
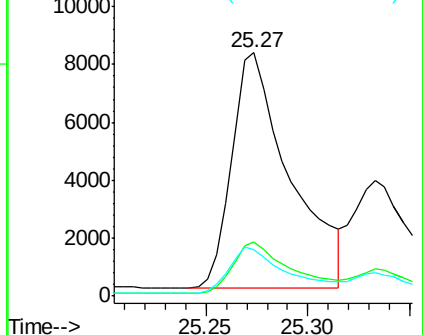
125 19.2 16.6 24.8

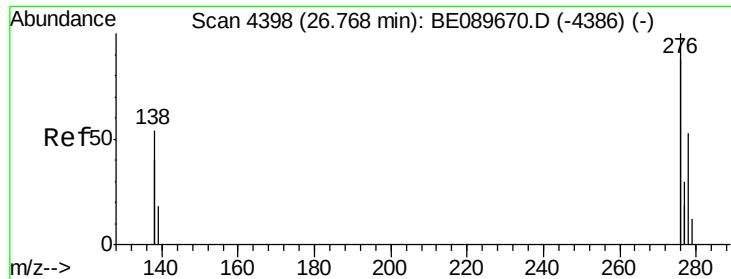


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#29

Dibenzo(a,h)anthracene

Concen: 3.73 ng

RT: 26.77 min Scan# 4400

Delta R.T. 0.01 min

Lab File: BE089671.D

Acq: 24 Feb 2015 15:00

Instrument :

BNA_E

LabSampleId :

SSTDICC002

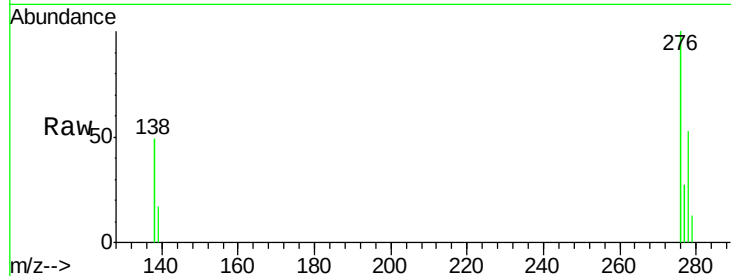
Tgt Ion: 278 Resp: 13091

Ion Ratio Lower Upper

278 100

139 31.6 30.4 45.6

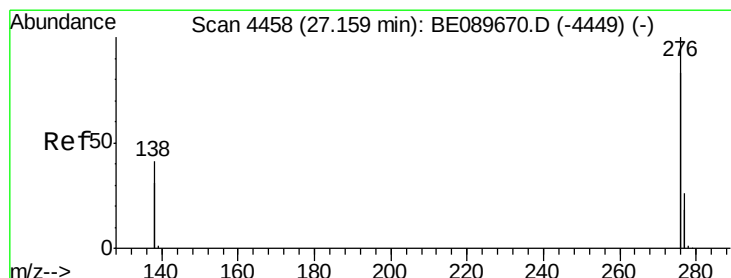
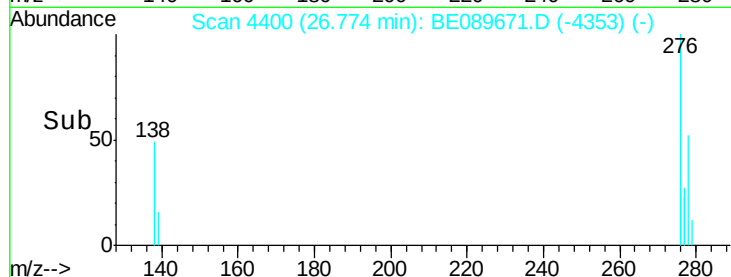
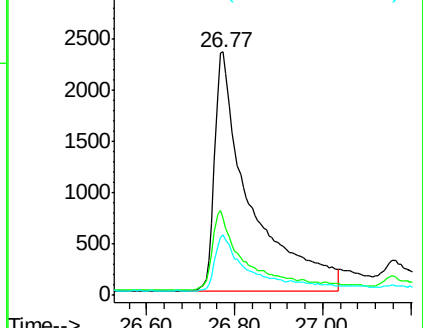
279 25.1 22.0 33.0



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: 2.75 ng

RT: 27.16 min Scan# 4459

Delta R.T. -0.00 min

Lab File: BE089671.D

Acq: 24 Feb 2015 15:00

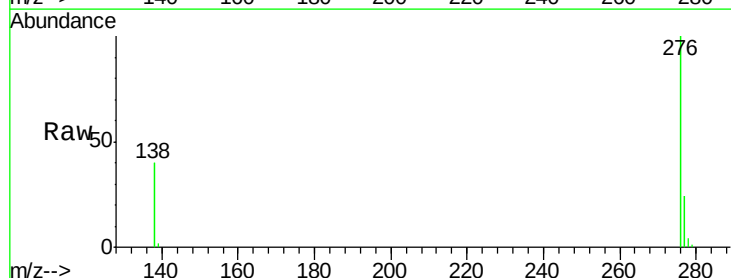
Tgt Ion: 276 Resp: 77574

Ion Ratio Lower Upper

276 100

277 24.4 21.0 31.6

138 40.3 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

