

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE022415\
 Data File : BE089666.D
 Acq On : 24 Feb 2015 11:46
 Operator : TP/JJ
 Sample : SSTDICC0.1
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC0.1

Quant Time: Feb 24 15:05:50 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

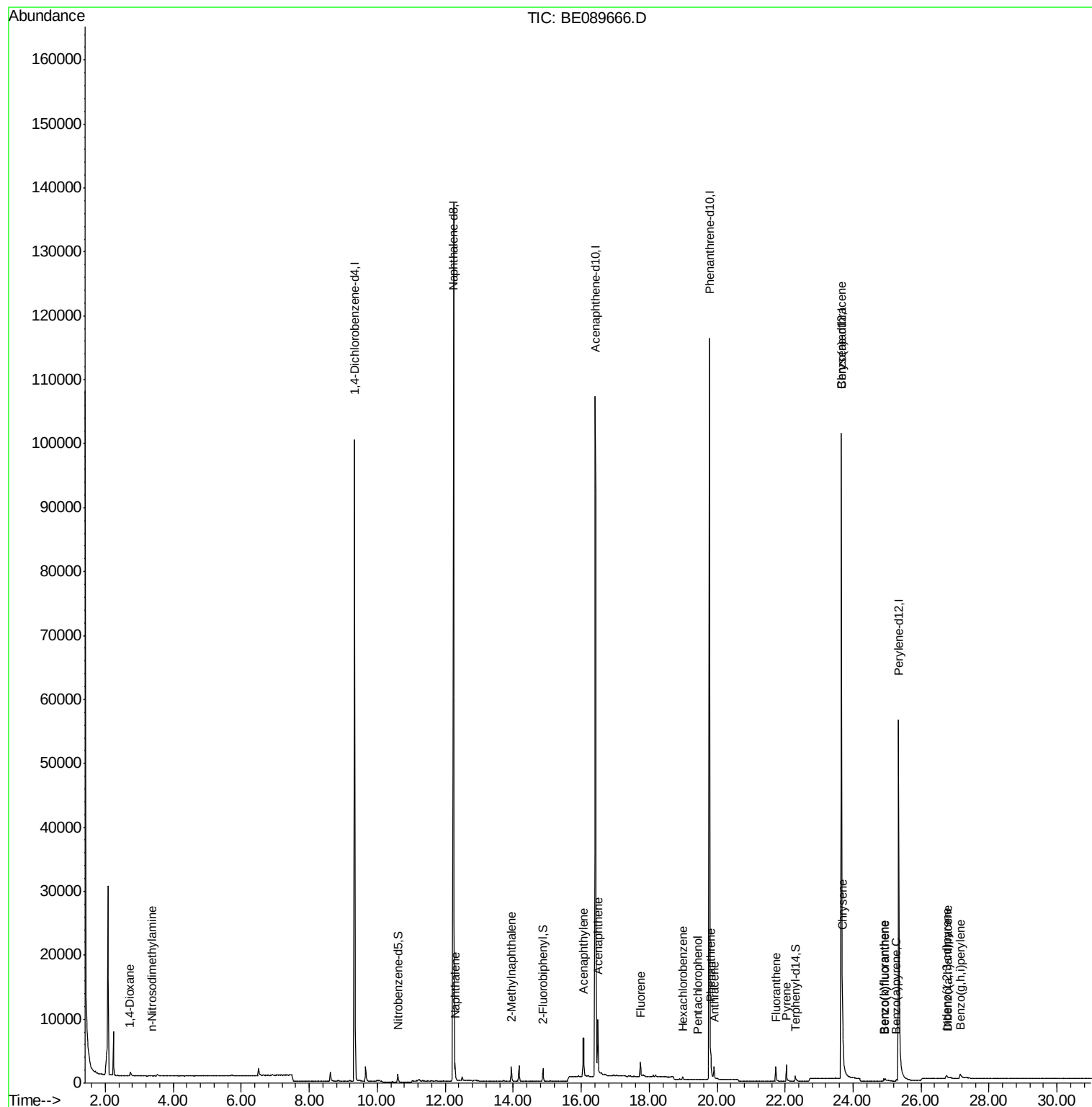
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.34	152	45260	5.00	ng	0.00
4) Naphthalene-d8	12.24	136	158728	5.00	ng	0.00
8) Acenaphthene-d10	16.41	164	69802	5.00	ng	0.00
13) Phenanthrene-d10	19.77	188	126209	5.00	ng	0.00
19) Chrysene-d12	23.65	240	90466	5.00	ng	0.00
25) Perylene-d12	25.34	264	68326	5.00	ng	0.00
System Monitoring Compounds						
5) Nitrobenzene-d5	10.60	82	1063	0.12	ng	0.00
9) 2-Fluorobiphenyl	14.88	172	2013	0.11	ng	0.00
21) Terphenyl-d14	22.30	244	1024	0.09	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.73	88	547	0.10	ng	93
3) n-Nitrosodimethylamine	3.38	42	9	0.00	ng	# 1
6) Naphthalene	12.29	128	3246	0.10	ng	96
7) 2-Methylnaphthalene	13.95	142	1697	0.10	ng	97
10) Acenaphthylene	16.06	152	9410	0.09	ng	99
11) Acenaphthene	16.49	154	1644	0.10	ng	87
12) Fluorene	17.74	166	1741	0.10	ng	98
14) Hexachlorobenzene	18.99	284	342	0.10	ng	# 81
15) Pentachlorophenol	19.44	266	57	0.12	ng	# 78
16) Phenanthrene	19.81	178	2863	0.11	ng	98
17) Anthracene	19.91	178	2046	0.09	ng	100
18) Fluoranthene	21.72	202	1921	0.08	ng	99
20) Pyrene	22.04	202	2124	0.10	ng	99
22) Benzo(a)anthracene	23.65	228	5739	0.10	ng	94
23) Chrysene	23.68	228	9133	0.11	ng	96
24) Indeno(1,2,3-cd)pyrene	26.74	276	1059	0.03	ng	# 38
26) Benzo(b)fluoranthene	24.91	252	320	0.05	ng	# 71
27) Benzo(k)fluoranthene	24.94	252	646	0.04	ng	# 74
28) Benzo(a)pyrene	25.27	252	353	0.05	ng	# 64
29) Dibenzo(a,h)anthracene	26.77	278	166	0.03	ng	# 56
30) Benzo(g,h,i)perylene	27.15	276	1347	0.04	ng	# 61

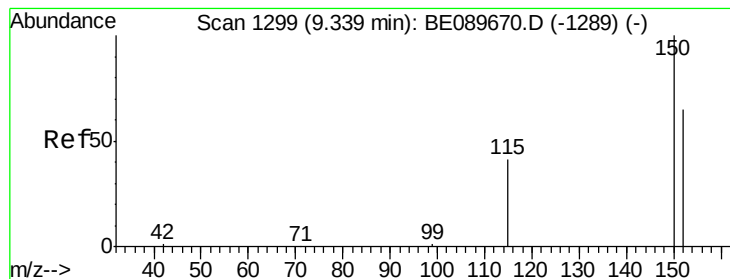
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE089666.D

Acq: 24 Feb 2015 11:46

Instrument :

BNA_E

LabSampleId :

SSTDIC0.1

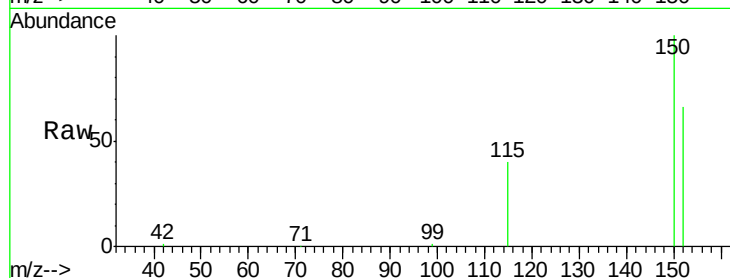
Tgt Ion: 152 Resp: 45260

Ion Ratio Lower Upper

152 100

150 151.6 123.4 185.0

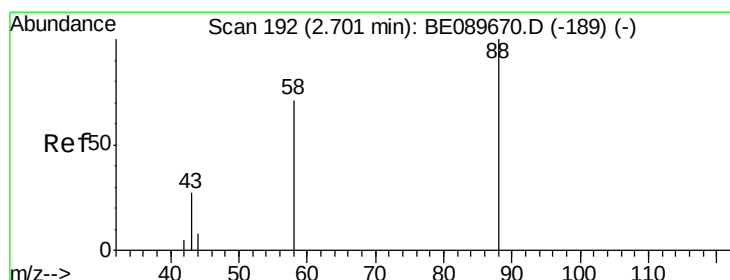
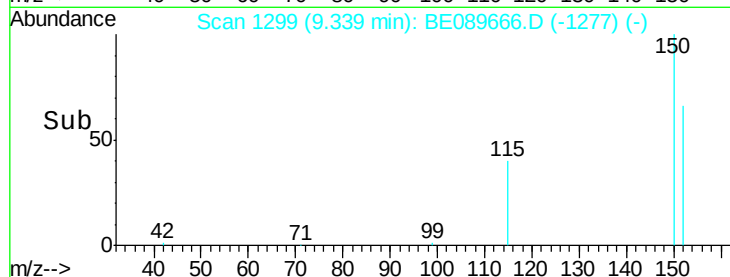
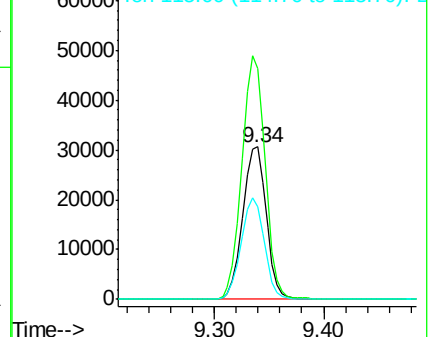
115 60.7 50.8 76.2



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: 0.10 ng

RT: 2.73 min Scan# 197

Delta R.T. 0.03 min

Lab File: BE089666.D

Acq: 24 Feb 2015 11:46

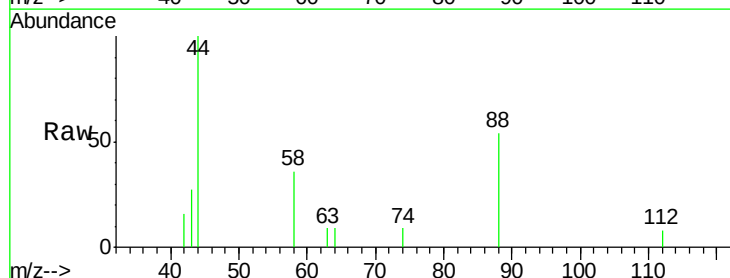
Tgt Ion: 88 Resp: 547

Ion Ratio Lower Upper

88 100

58 69.3 62.4 93.6

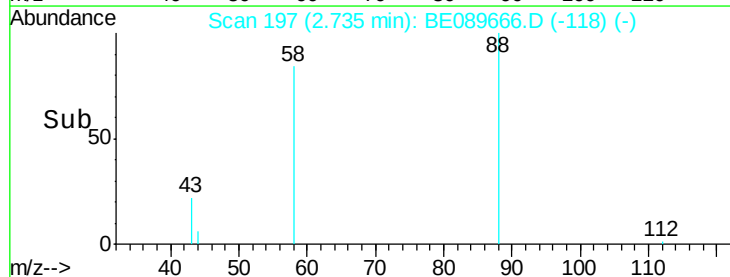
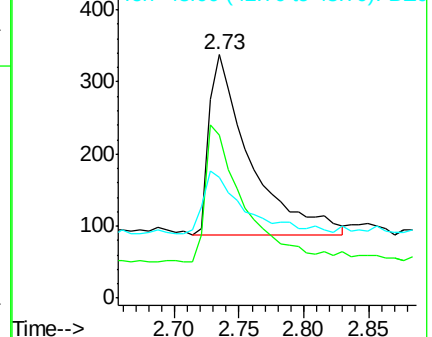
43 34.0 26.6 40.0

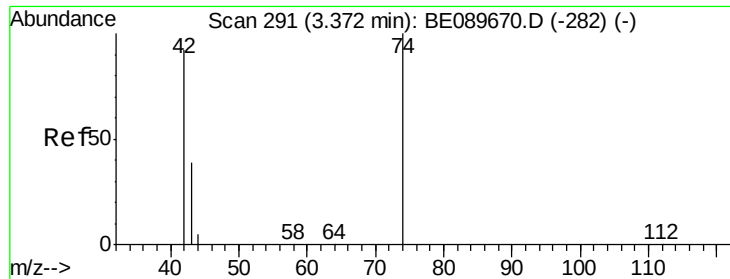


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.00 ng

RT: 3.38 min Scan# 292

Delta R.T. 0.01 min

Lab File: BE089666.D

Acq: 24 Feb 2015 11:46

Instrument :

BNA_E

LabSampleId :

SSTDIC0.1

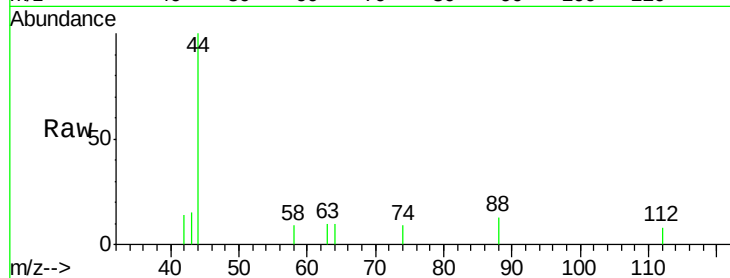
Tgt Ion: 42 Resp: 9

Ion Ratio Lower Upper

42 100

74 0.0 91.1 136.7#

44 0.0 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

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Ion 44.00 (43.70 to 44.70): BE0

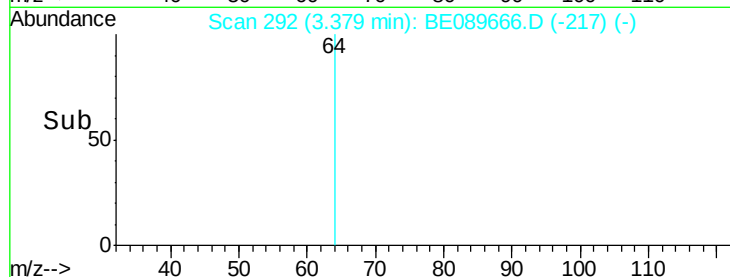
Ion 44.00 (43.70 to 44.70): BE0

Ion 44.00 (43.70 to 44.70): BE0

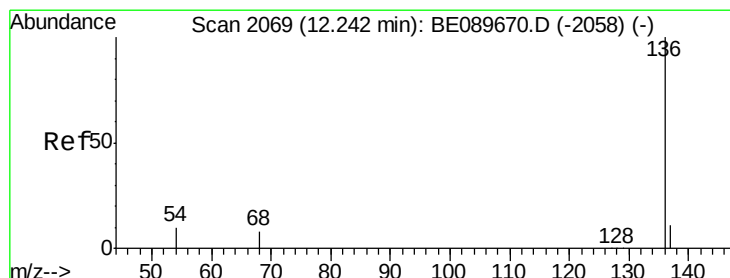
Ion 44.00 (43.70 to 44.70): BE0

Ion 44.00 (43.70 to 44.70): BE0

Ion 44.00 (43.70 to 44.70): BE0



Time-->



#4

Naphthalene-d8

Concen: 5.00 ng

RT: 12.24 min Scan# 2069

Delta R.T. -0.00 min

Lab File: BE089666.D

Acq: 24 Feb 2015 11:46

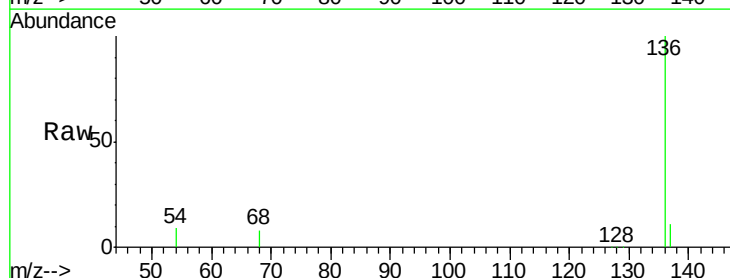
Tgt Ion: 136 Resp: 158728

Ion Ratio Lower Upper

136 100

137 11.0 8.7 13.1

54 9.5 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

Ion 54.00 (53.70 to 54.70): BE0

Ion 54.00 (53.70 to 54.70): BE0

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Ion 54.00 (53.70 to 54.70): BE0

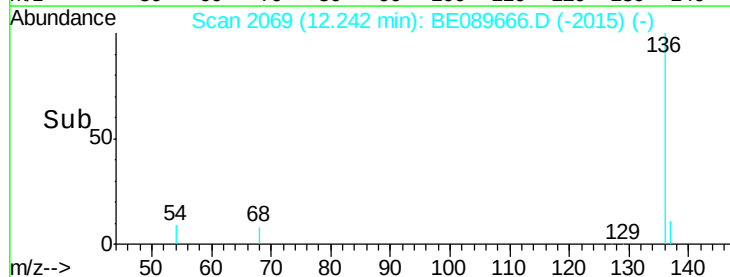
Ion 54.00 (53.70 to 54.70): BE0

Ion 54.00 (53.70 to 54.70): BE0

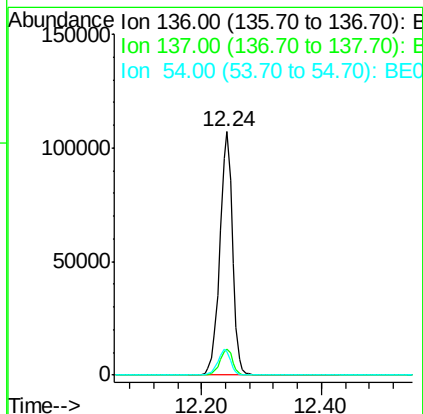
Ion 54.00 (53.70 to 54.70): BE0

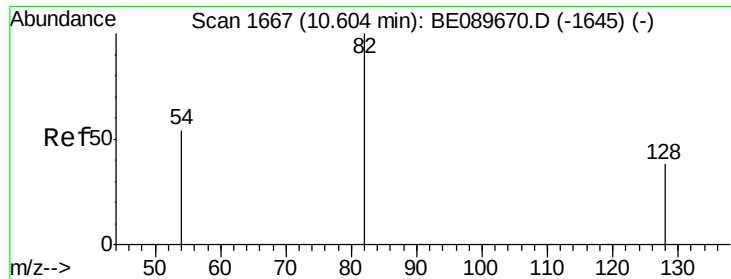
Ion 54.00 (53.70 to 54.70): BE0

Ion 54.00 (53.70 to 54.70): BE0



Time-->





#5

Nitrobenzene-d5

Concen: 0.12 ng

RT: 10.60 min Scan# 1667

Delta R.T. -0.00 min

Lab File: BE089666.D

Acq: 24 Feb 2015 11:46

Instrument :

BNA_E

LabSampleId :

SSTDIC0.1

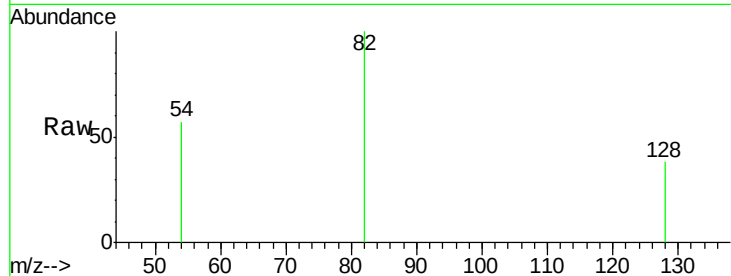
Tgt Ion: 82 Resp: 1063

Ion Ratio Lower Upper

82 100

128 38.0 30.6 46.0

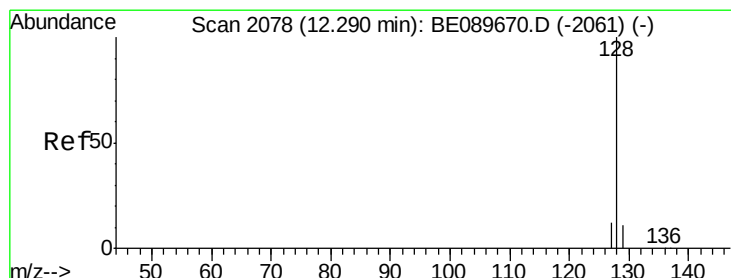
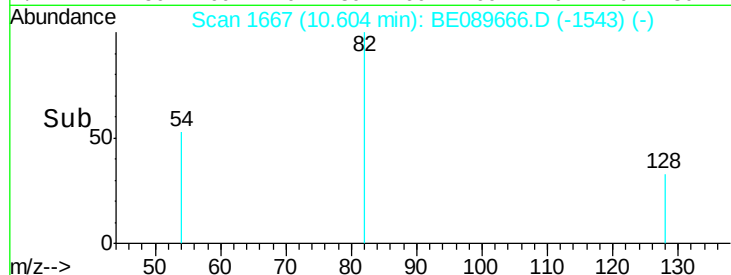
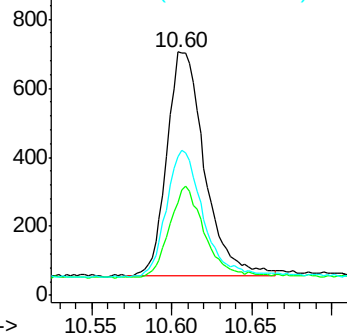
54 56.9 43.6 65.4



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: 0.10 ng

RT: 12.29 min Scan# 2078

Delta R.T. -0.00 min

Lab File: BE089666.D

Acq: 24 Feb 2015 11:46

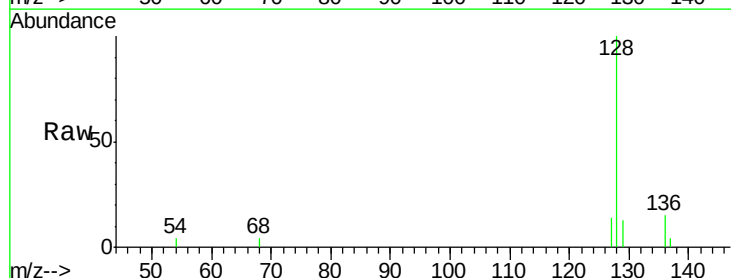
Tgt Ion: 128 Resp: 3246

Ion Ratio Lower Upper

128 100

129 12.8 8.9 13.3

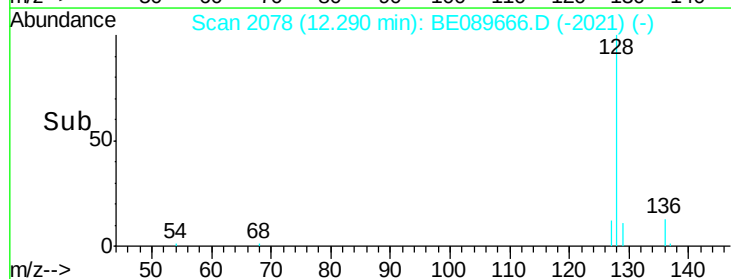
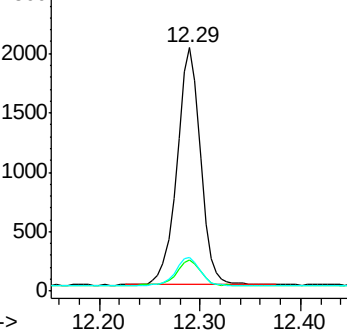
127 13.7 9.7 14.5

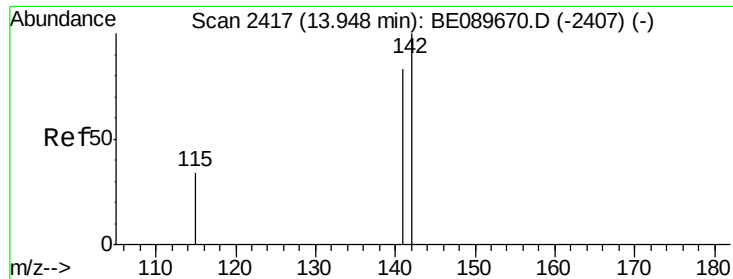


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#7

2-Methylnaphthalene

Concen: 0.10 ng

RT: 13.95 min Scan# 2417

Delta R.T. -0.00 min

Lab File: BE089666.D

Acq: 24 Feb 2015 11:46

Instrument :

BNA_E

LabSampleId :

SSTDICC0.1

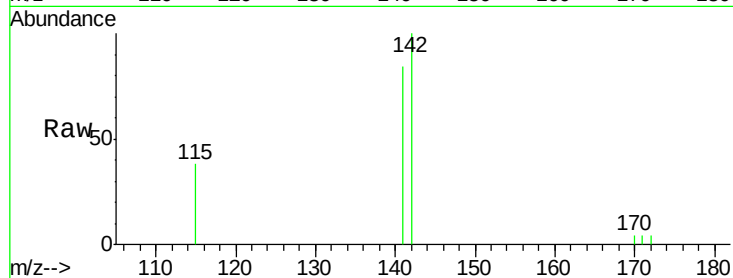
Tgt Ion:142 Resp: 1697

Ion Ratio Lower Upper

142 100

141 83.7 66.0 99.0

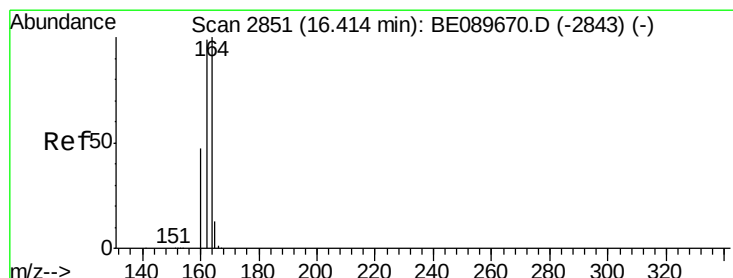
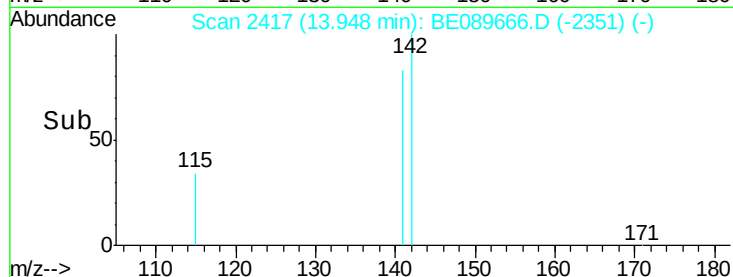
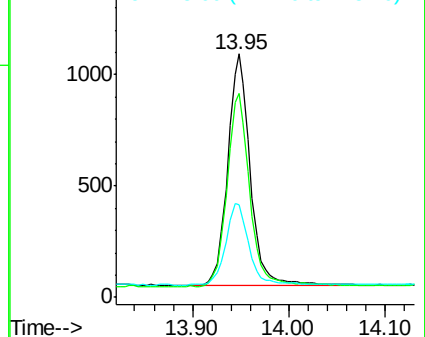
115 38.2 27.4 41.0



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: 16.41 min Scan# 2851

Delta R.T. -0.00 min

Lab File: BE089666.D

Acq: 24 Feb 2015 11:46

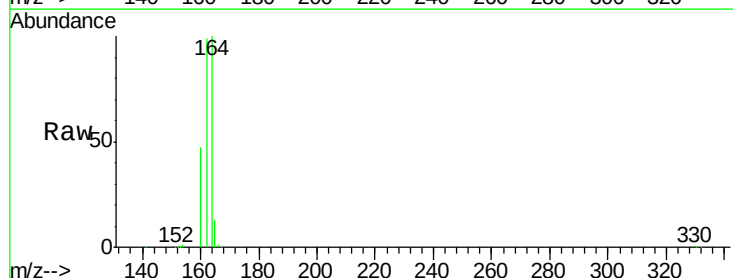
Tgt Ion:164 Resp: 69802

Ion Ratio Lower Upper

164 100

162 99.2 79.4 119.2

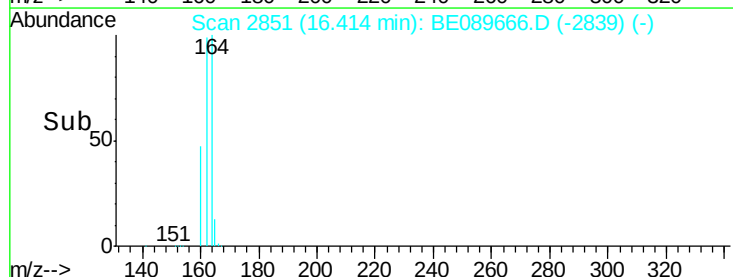
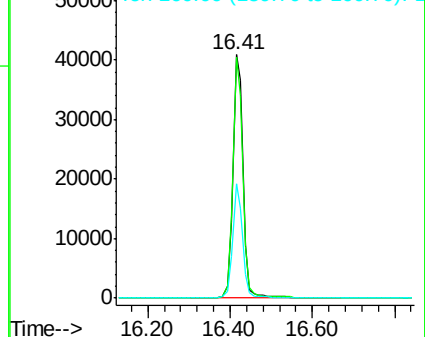
160 47.0 37.6 56.4

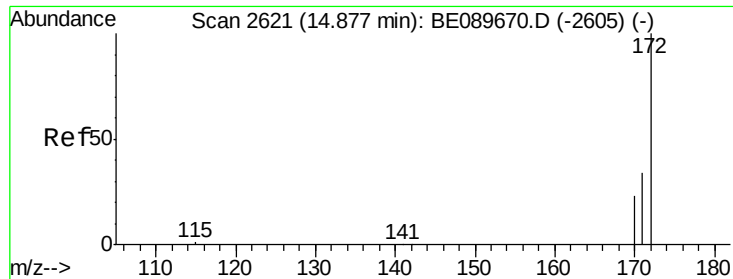


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#9

2-Fluorobiphenyl

Concen: 0.11 ng

RT: 14.88 min Scan# 2621

Delta R.T. -0.00 min

Lab File: BE089666.D

Acq: 24 Feb 2015 11:46

Instrument :

BNA_E

LabSampleId :

SSTDIC0.1

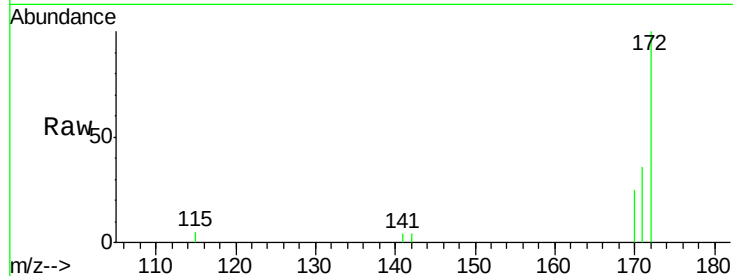
Tgt Ion:172 Resp: 2013

Ion Ratio Lower Upper

172 100

171 35.7 27.3 40.9

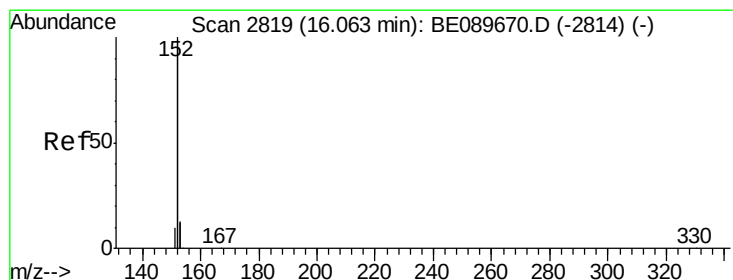
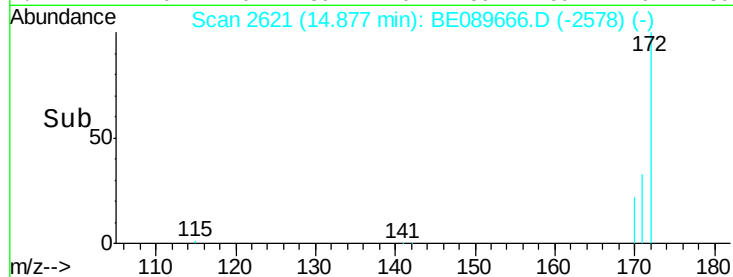
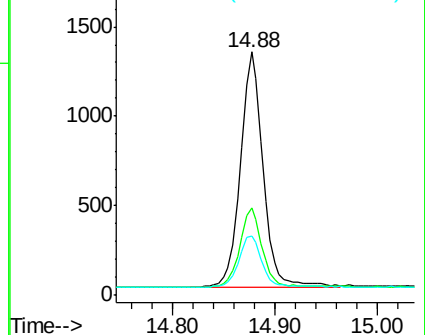
170 24.6 18.5 27.7



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: 0.09 ng

RT: 16.06 min Scan# 2819

Delta R.T. -0.00 min

Lab File: BE089666.D

Acq: 24 Feb 2015 11:46

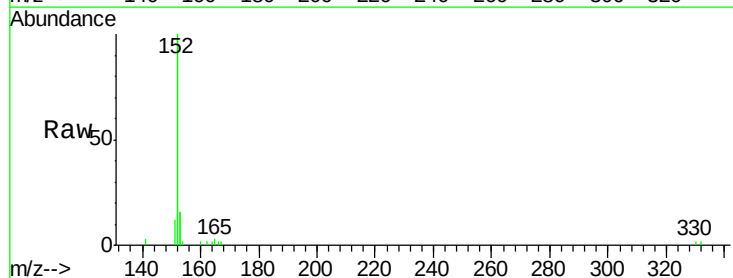
Tgt Ion:152 Resp: 9410

Ion Ratio Lower Upper

152 100

151 4.9 3.8 5.6

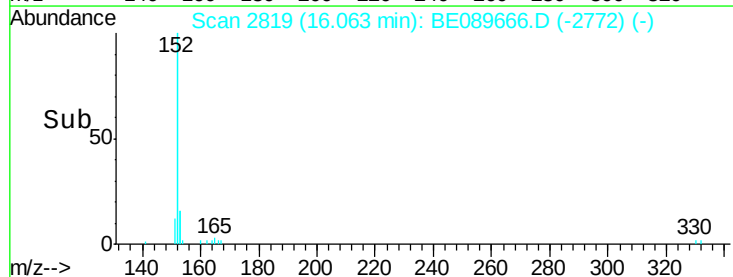
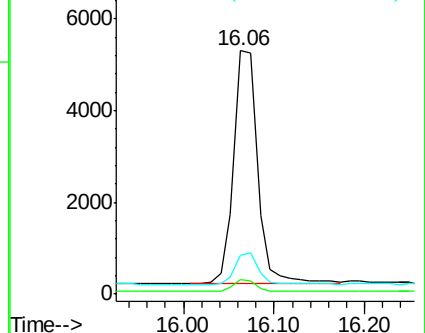
153 13.6 10.4 15.6

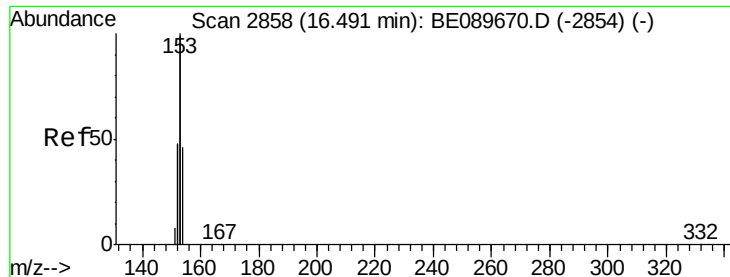


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#11

Acenaphthene

Concen: 0.10 ng

RT: 16.49 min Scan# 2858

Delta R.T. -0.00 min

Lab File: BE089666.D

Acq: 24 Feb 2015 11:46

Instrument :

BNA_E

LabSampleId :

SSTDIC0.1

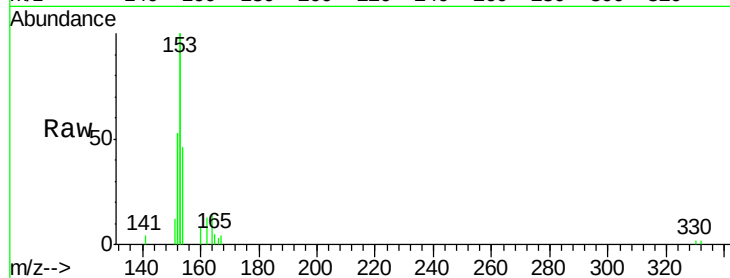
Tgt Ion:154 Resp: 1644

Ion Ratio Lower Upper

154 100

153 455.4 345.8 518.8

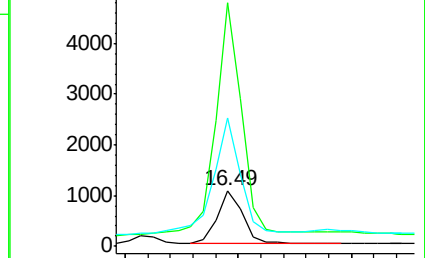
152 242.3 168.6 252.8



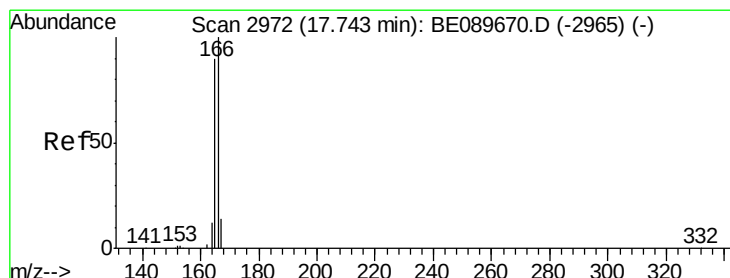
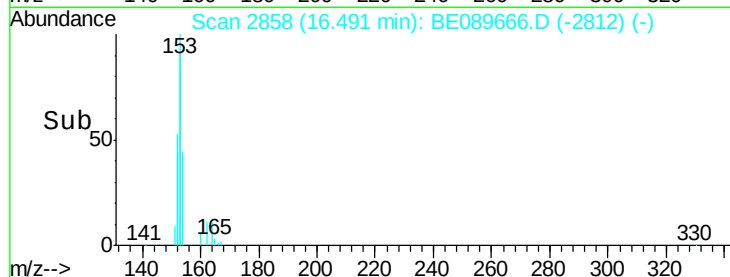
Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



Time--> 16.40 16.50 16.60



#12

Fluorene

Concen: 0.10 ng

RT: 17.74 min Scan# 2972

Delta R.T. -0.00 min

Lab File: BE089666.D

Acq: 24 Feb 2015 11:46

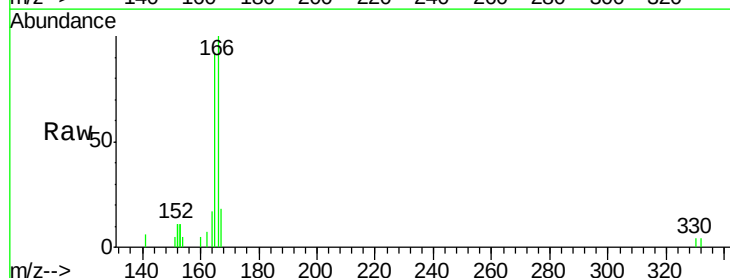
Tgt Ion:166 Resp: 1741

Ion Ratio Lower Upper

166 100

165 89.7 73.6 110.4

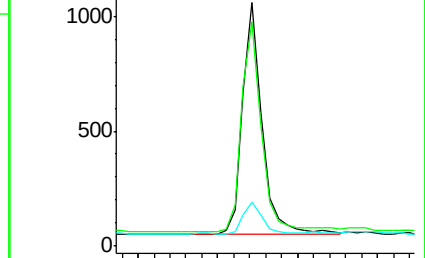
167 13.0 10.6 16.0



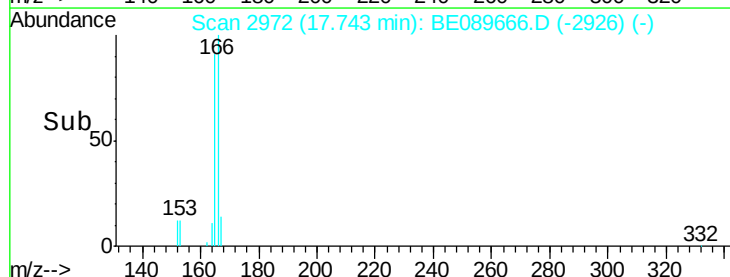
Abundance Ion 166.00 (165.70 to 166.70): E

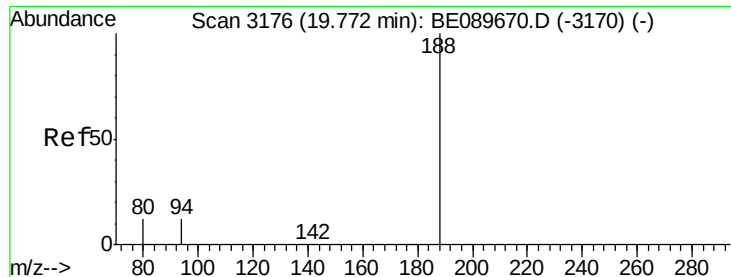
Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



Time--> 17.60 17.70 17.80 17.90

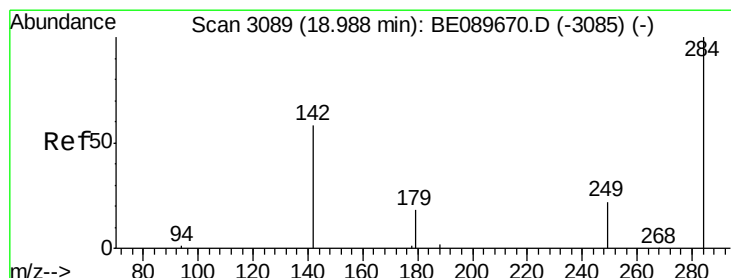
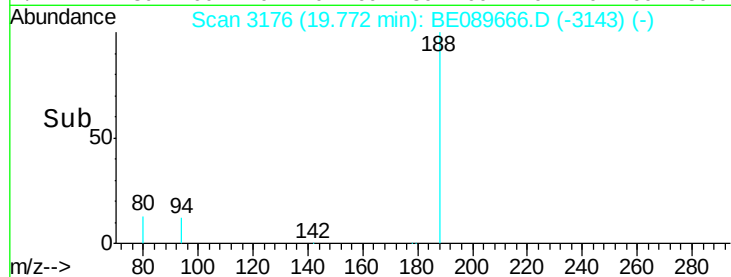
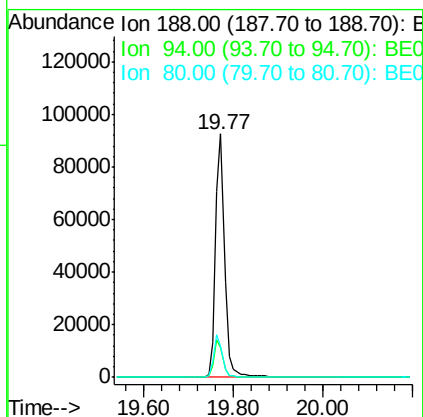
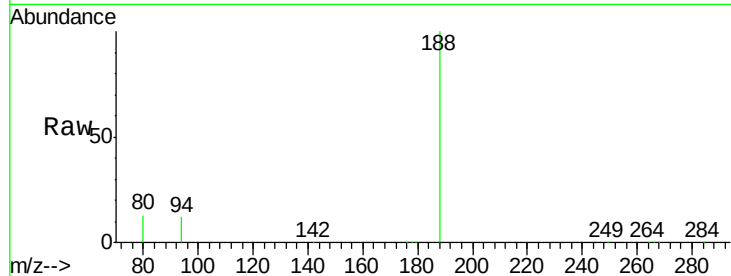




#13
Phenanthrene-d10
Concen: 5.00 ng
RT: 19.77 min Scan# 3176
Delta R.T. -0.00 min
Lab File: BE089666.D
Acq: 24 Feb 2015 11:46

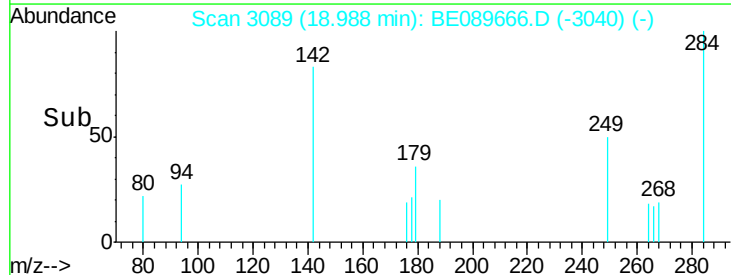
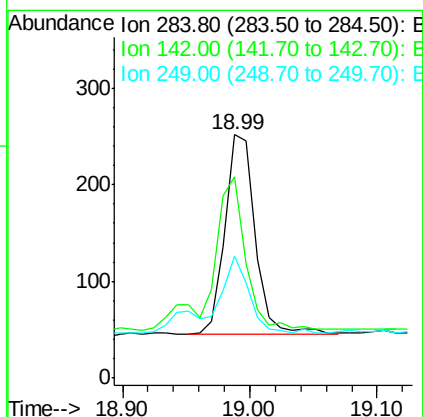
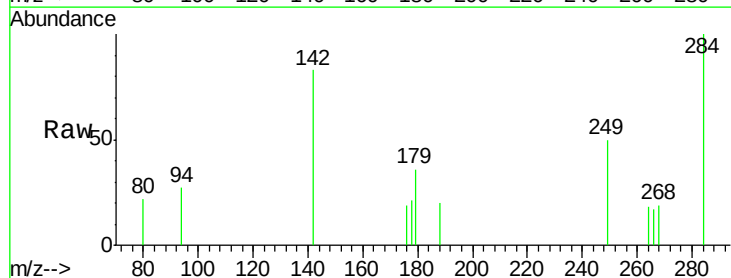
Instrument :
BNA_E
LabSampleId :
SSTDIC0.1

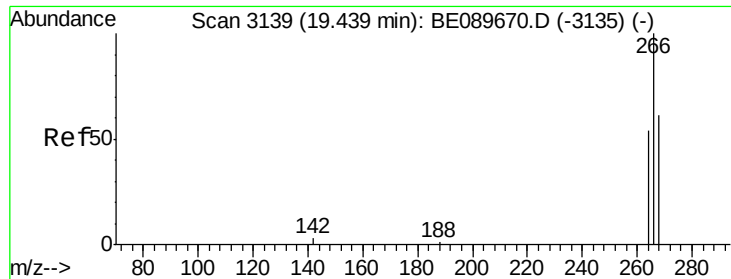
Tgt Ion:188 Resp: 126209
Ion Ratio Lower Upper
188 100
94 12.3 9.4 14.2
80 12.6 9.5 14.3



#14
Hexachlorobenzene
Concen: 0.10 ng
RT: 18.99 min Scan# 3089
Delta R.T. -0.00 min
Lab File: BE089666.D
Acq: 24 Feb 2015 11:46

Tgt Ion:284 Resp: 342
Ion Ratio Lower Upper
284 100
142 85.7 55.4 83.2#
249 43.9 27.2 40.8#





#15

Pentachlorophenol

Concen: 0.12 ng

RT: 19.44 min Scan# 3139

Delta R.T. -0.00 min

Lab File: BE089666.D

Acq: 24 Feb 2015 11:46

Instrument :

BNA_E

LabSampleId :

SSTDIC0.1

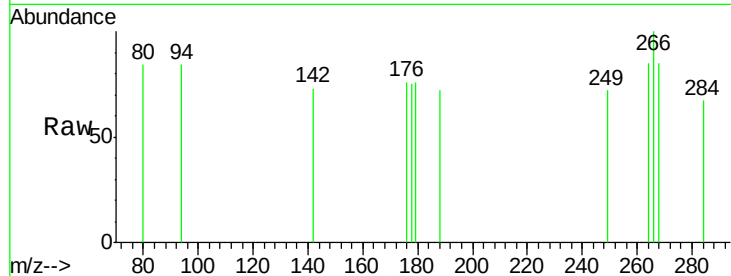
Tgt Ion:266 Resp: 57

Ion Ratio Lower Upper

266 100

268 85.1 56.3 84.5#

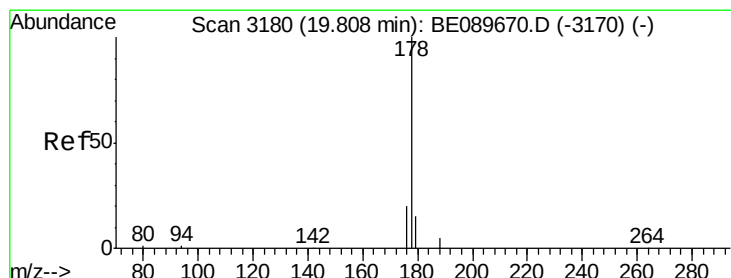
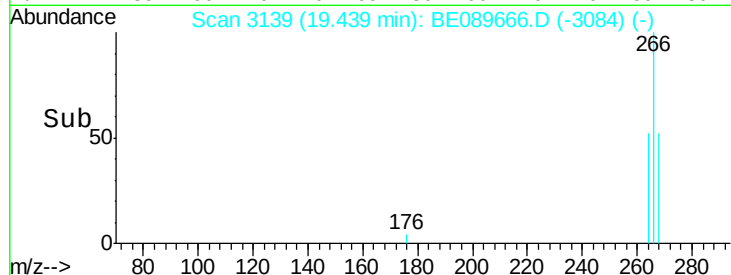
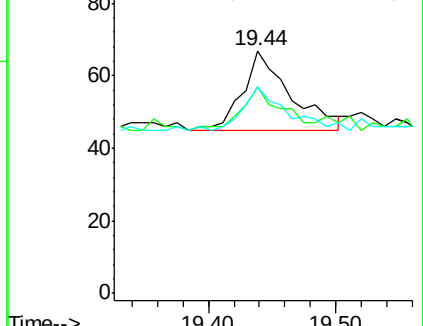
264 85.1 51.8 77.8#



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



#16

Phenanthrene

Concen: 0.11 ng

RT: 19.81 min Scan# 3180

Delta R.T. -0.00 min

Lab File: BE089666.D

Acq: 24 Feb 2015 11:46

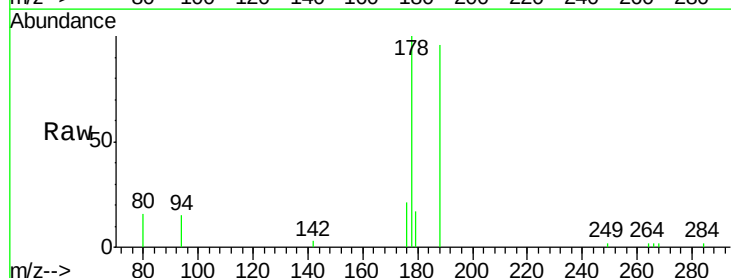
Tgt Ion:178 Resp: 2863

Ion Ratio Lower Upper

178 100

176 18.5 15.3 22.9

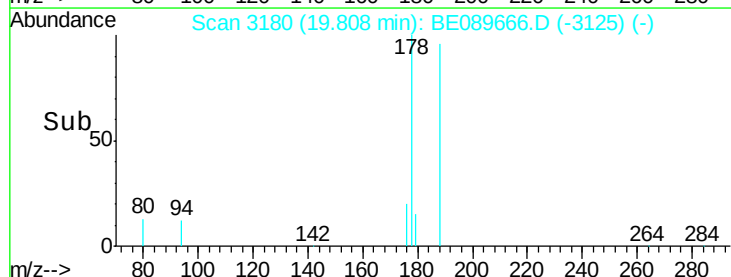
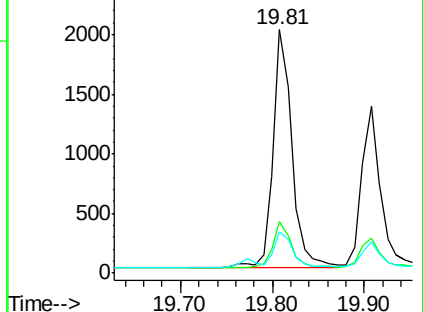
179 14.5 12.5 18.7

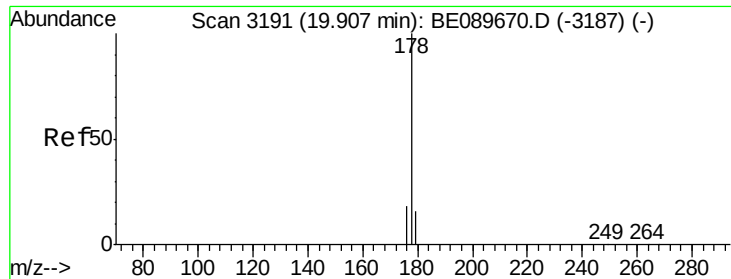


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

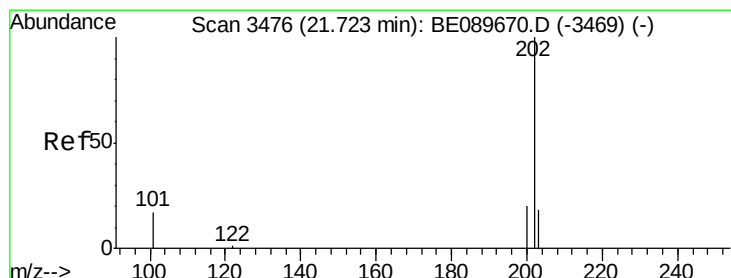
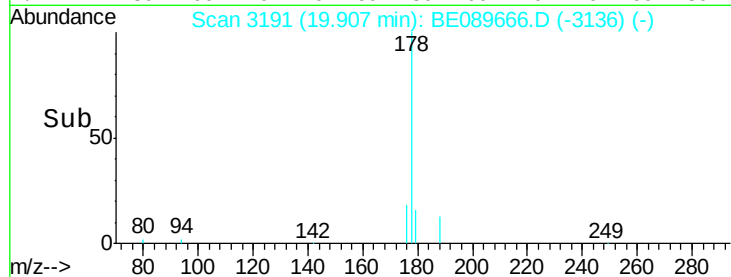
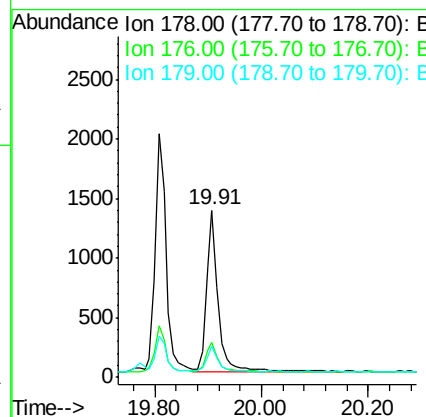
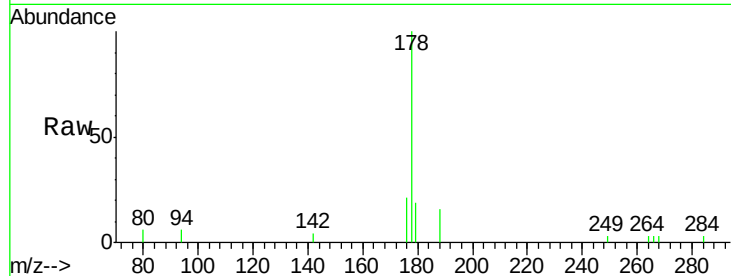




#17
 Anthracene
 Concen: 0.09 ng
 RT: 19.91 min Scan# 3191
 Delta R.T. -0.00 min
 Lab File: BE089666.D
 Acq: 24 Feb 2015 11:46

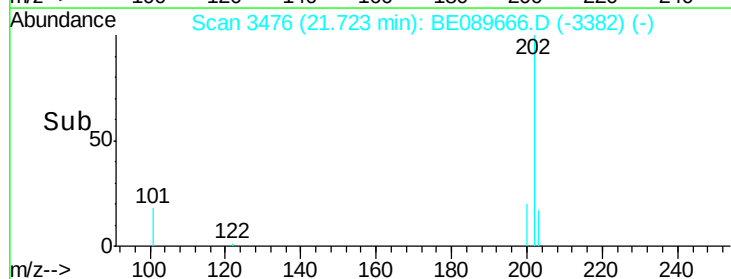
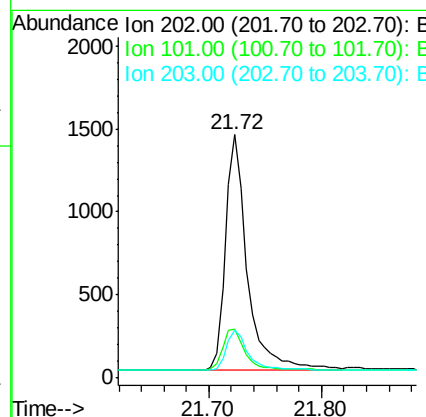
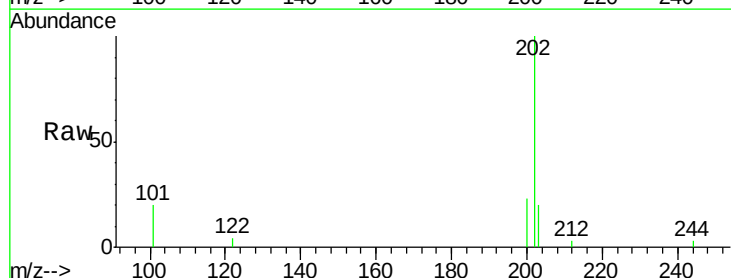
Instrument :
 BNA_E
 LabSampleId :
 SSTDICC0.1

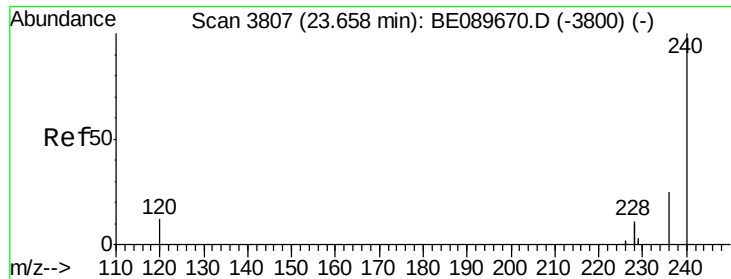
Tgt Ion:178 Resp: 2046
 Ion Ratio Lower Upper
 178 100
 176 18.4 14.8 22.2
 179 15.0 12.2 18.2



#18
 Fluoranthene
 Concen: 0.08 ng
 RT: 21.72 min Scan# 3476
 Delta R.T. -0.00 min
 Lab File: BE089666.D
 Acq: 24 Feb 2015 11:46

Tgt Ion:202 Resp: 1921
 Ion Ratio Lower Upper
 202 100
 101 18.1 14.9 22.3
 203 17.5 13.8 20.6





#19

Chrysene-d12

Concen: 5.00 ng

RT: 23.65 min Scan# 3806

Delta R.T. -0.01 min

Lab File: BE089666.D

Acq: 24 Feb 2015 11:46

Instrument :

BNA_E

LabSampleId :

SSTDIC0.1

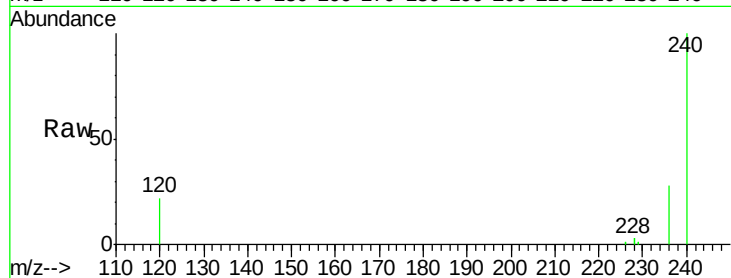
Tgt Ion:240 Resp: 90466

Ion Ratio Lower Upper

240 100

120 22.4 9.4 14.0#

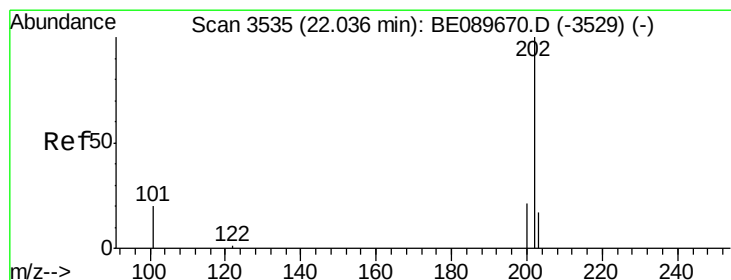
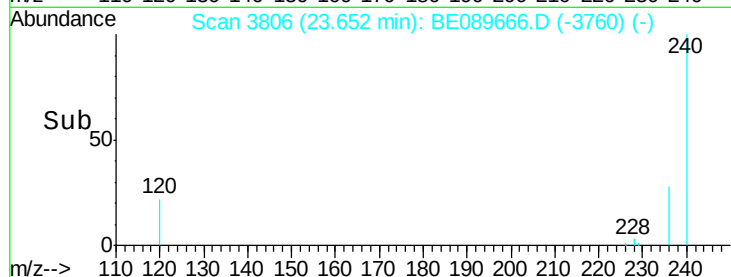
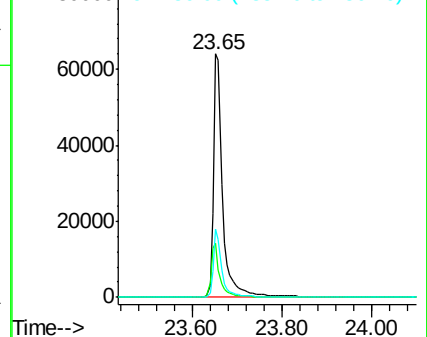
236 27.8 19.9 29.9



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: 0.10 ng

RT: 22.04 min Scan# 3535

Delta R.T. -0.00 min

Lab File: BE089666.D

Acq: 24 Feb 2015 11:46

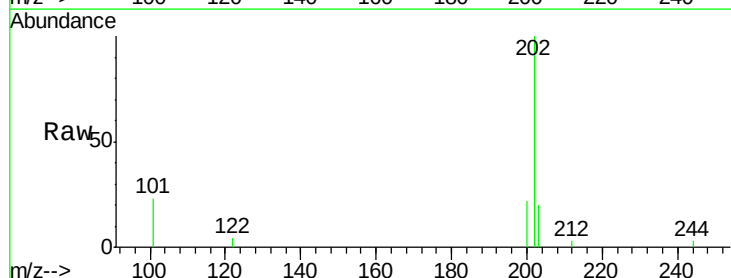
Tgt Ion:202 Resp: 2124

Ion Ratio Lower Upper

202 100

200 20.2 16.4 24.6

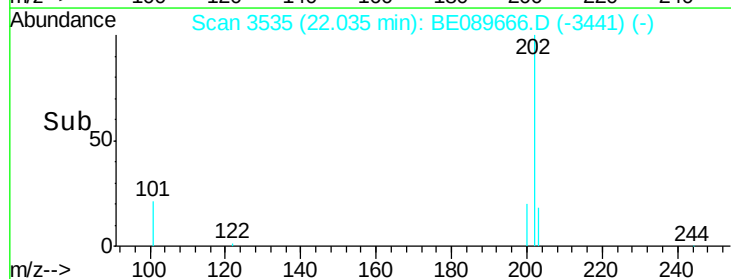
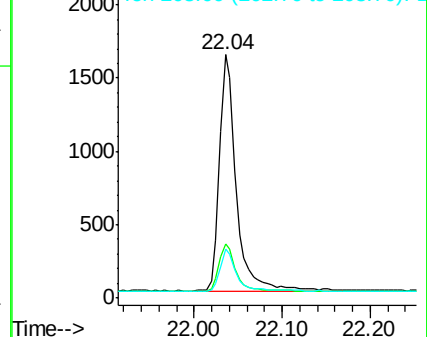
203 16.9 13.9 20.9

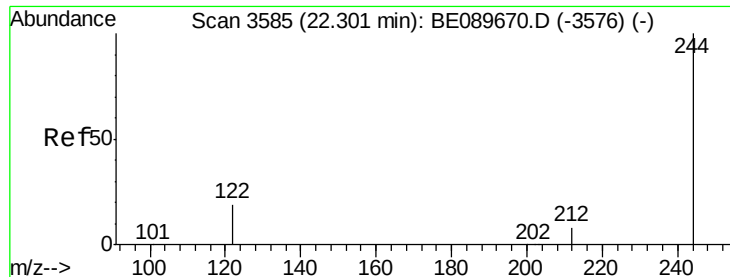


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#21

Terphenyl-d14

Concen: 0.09 ng

RT: 22.30 min Scan# 3585

Delta R.T. -0.00 min

Lab File: BE089666.D

Acq: 24 Feb 2015 11:46

Instrument :

BNA_E

LabSampleId :

SSTDIC0.1

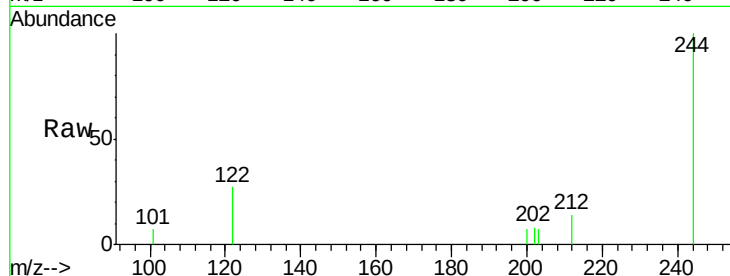
Tgt Ion:244 Resp: 1024

Ion Ratio Lower Upper

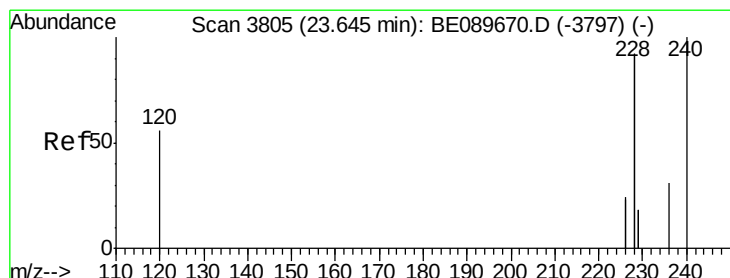
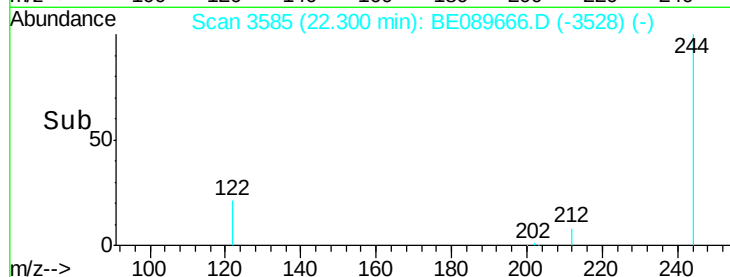
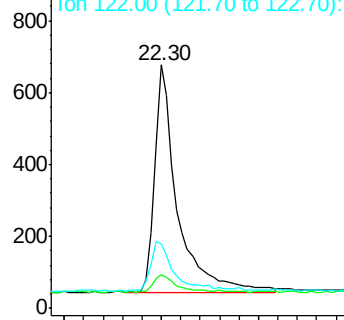
244 100

212 14.0 7.0 10.6#

122 26.7 15.4 23.0#



Abundance Ion 244.00 (243.70 to 244.70): E



#22

Benzo(a)anthracene

Concen: 0.10 ng

RT: 23.65 min Scan# 3805

Delta R.T. 0.00 min

Lab File: BE089666.D

Acq: 24 Feb 2015 11:46

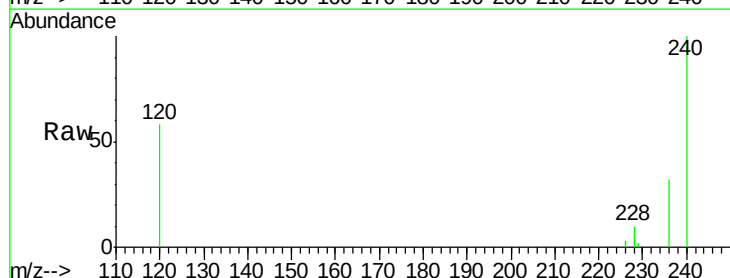
Tgt Ion:228 Resp: 5739

Ion Ratio Lower Upper

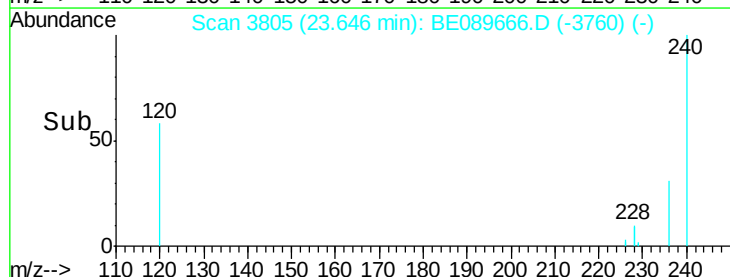
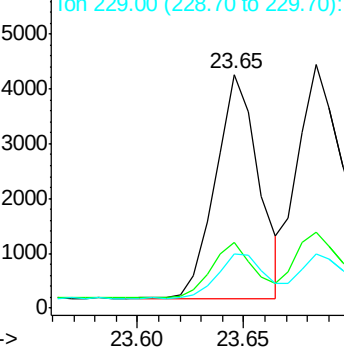
228 100

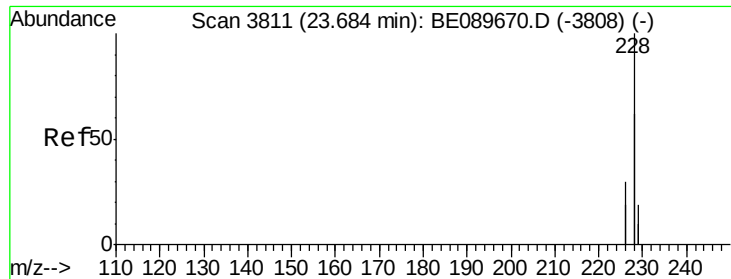
226 28.0 20.6 31.0

229 23.3 15.8 23.6



Abundance Ion 228.00 (227.70 to 228.70): E





#23

Chrysene

Concen: 0.11 ng

RT: 23.68 min Scan# 3811

Delta R.T. 0.00 min

Lab File: BE089666.D

Acq: 24 Feb 2015 11:46

Instrument :

BNA_E

LabSampleId :

SSTDIC0.1

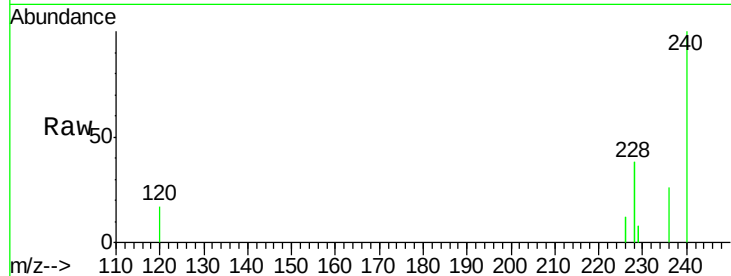
Tgt Ion:228 Resp: 9133

Ion Ratio Lower Upper

228 100

226 30.9 23.6 35.4

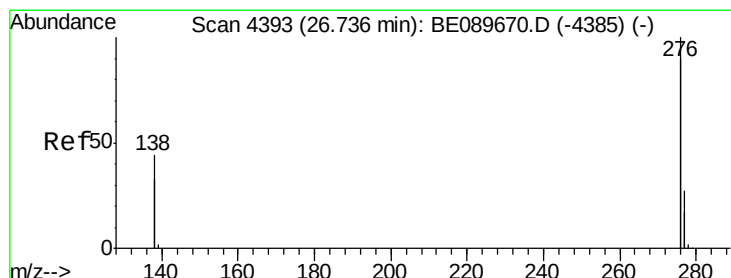
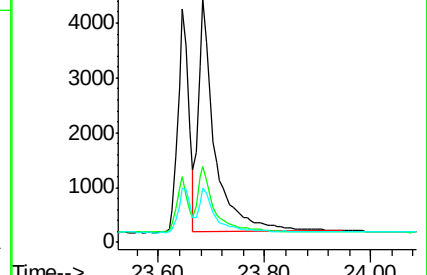
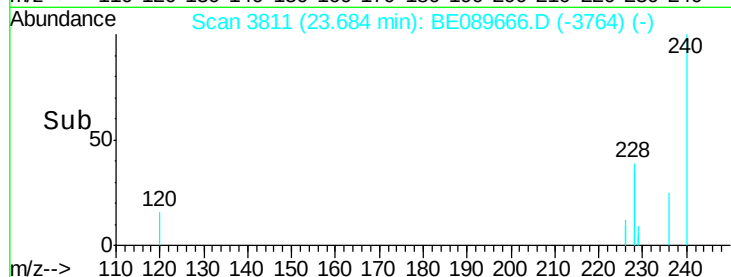
229 22.2 15.3 22.9



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: 0.03 ng

RT: 26.74 min Scan# 4394

Delta R.T. 0.01 min

Lab File: BE089666.D

Acq: 24 Feb 2015 11:46

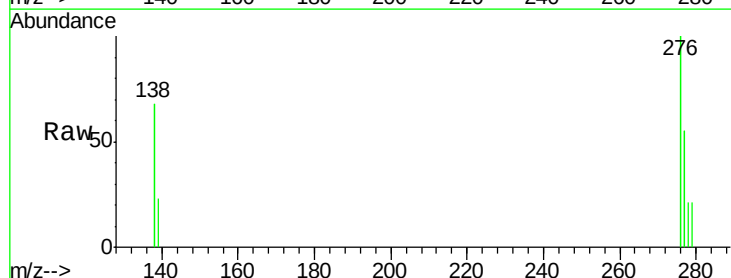
Tgt Ion:276 Resp: 1059

Ion Ratio Lower Upper

276 100

138 50.1 0.0 0.0#

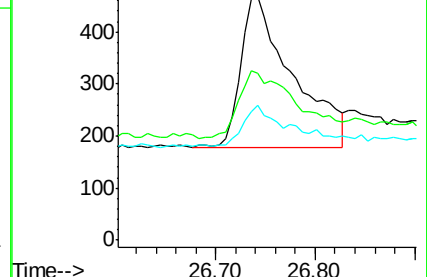
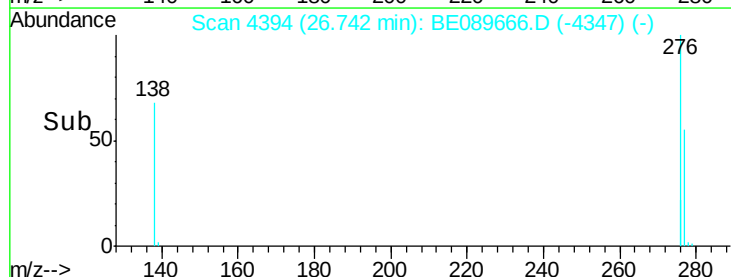
277 27.7 5.2 7.8#

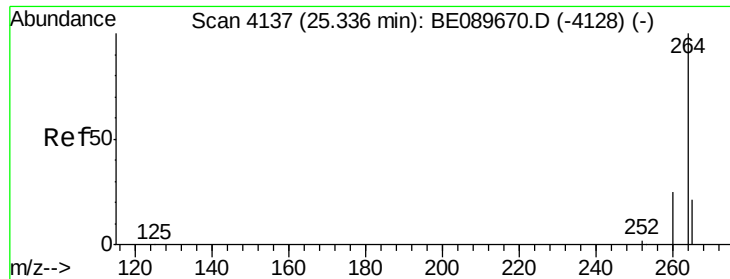


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

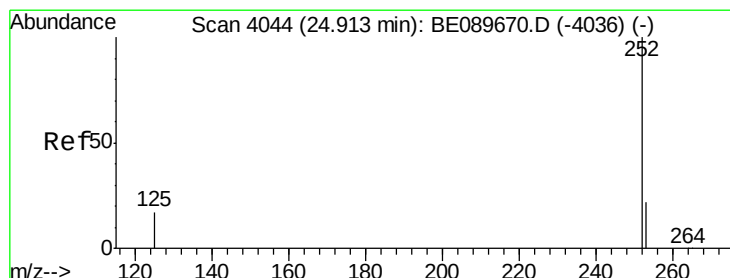
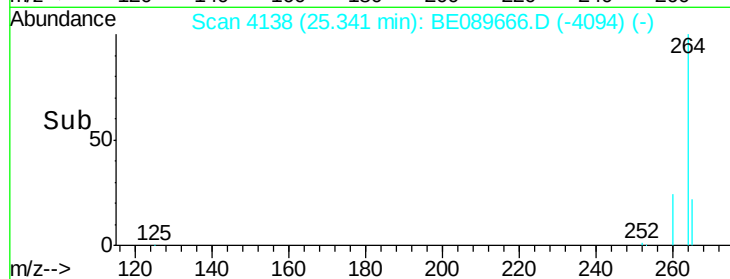
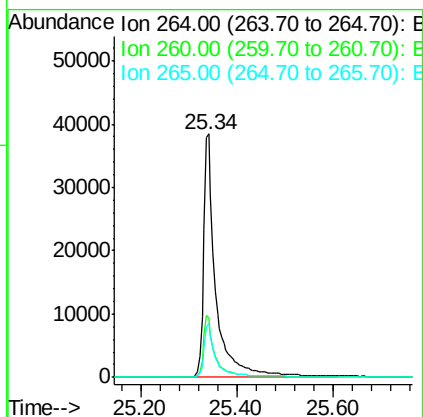
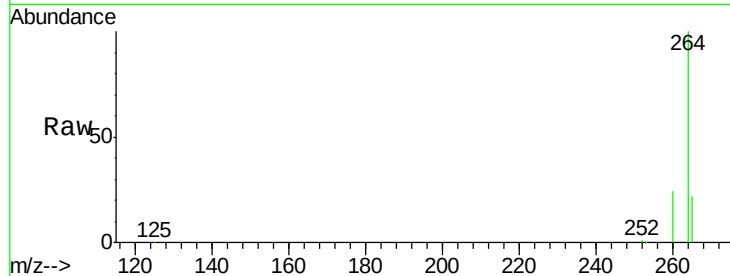




#25
Perylene-d12
Concen: 5.00 ng
RT: 25.34 min Scan# 4138
Delta R.T. 0.00 min
Lab File: BE089666.D
Acq: 24 Feb 2015 11:46

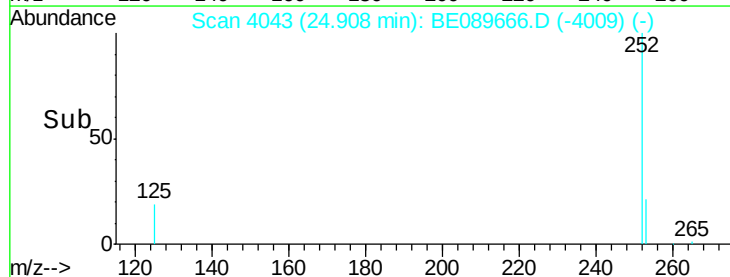
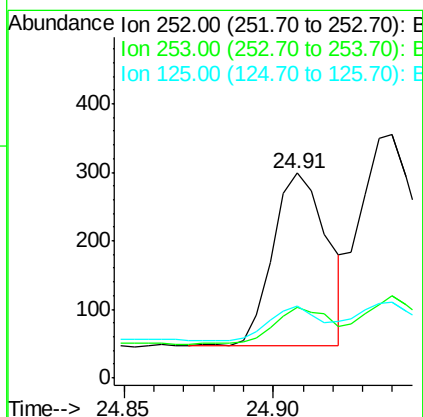
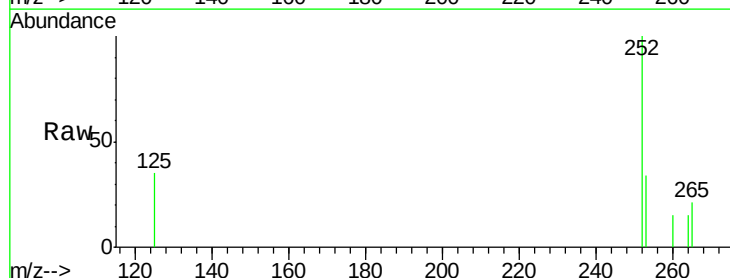
Instrument :
BNA_E
LabSampleId :
SSTDIC0.1

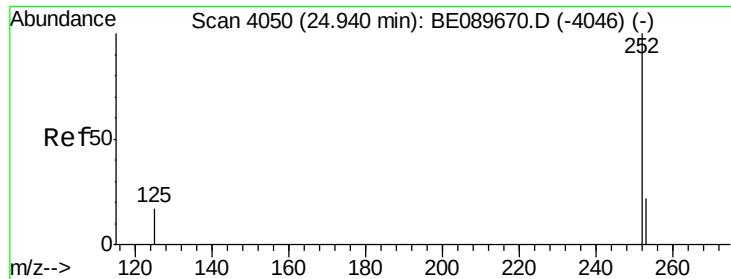
Tgt Ion: 264 Resp: 68326
Ion Ratio Lower Upper
264 100
260 24.1 20.2 30.4
265 22.0 17.0 25.4



#26
Benzo(b)fluoranthene
Concen: 0.05 ng
RT: 24.91 min Scan# 4043
Delta R.T. -0.00 min
Lab File: BE089666.D
Acq: 24 Feb 2015 11:46

Tgt Ion: 252 Resp: 320
Ion Ratio Lower Upper
252 100
253 34.4 18.6 27.8#
125 34.8 15.0 22.6#





#27

Benzo(k)fluoranthene

Concen: 0.04 ng

RT: 24.94 min Scan# 4050

Delta R.T. -0.00 min

Lab File: BE089666.D

Acq: 24 Feb 2015 11:46

Instrument :

BNA_E

LabSampleId :

SSTDIC0.1

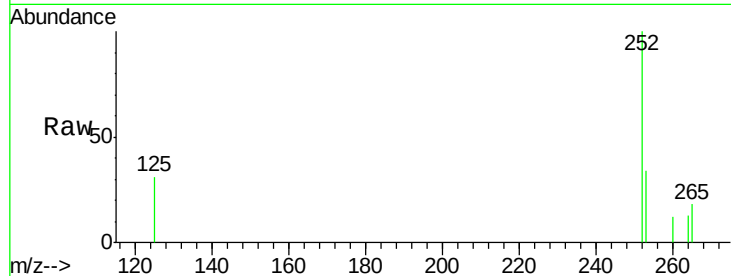
Tgt Ion: 252 Resp: 646

Ion Ratio Lower Upper

252 100

253 33.5 18.0 27.0#

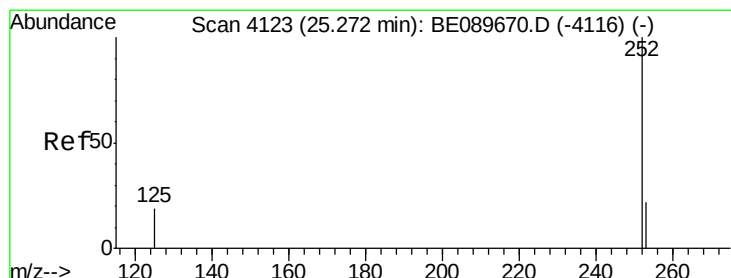
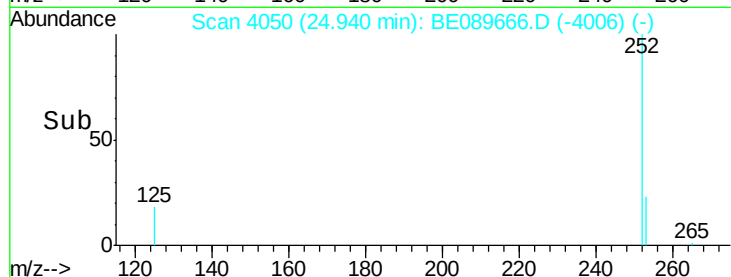
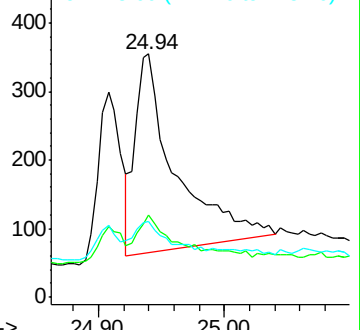
125 31.0 14.3 21.5#



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: 0.05 ng

RT: 25.27 min Scan# 4122

Delta R.T. -0.00 min

Lab File: BE089666.D

Acq: 24 Feb 2015 11:46

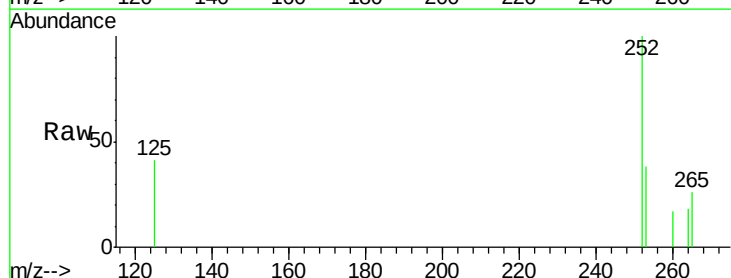
Tgt Ion: 252 Resp: 353

Ion Ratio Lower Upper

252 100

253 38.2 18.8 28.2#

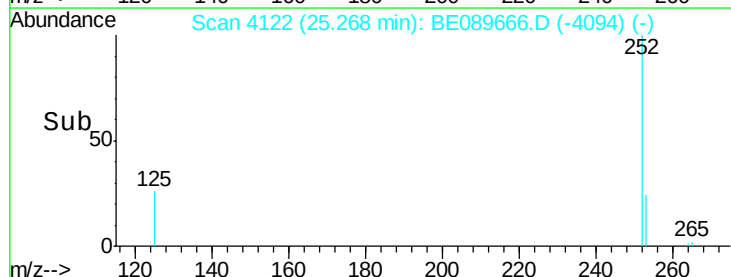
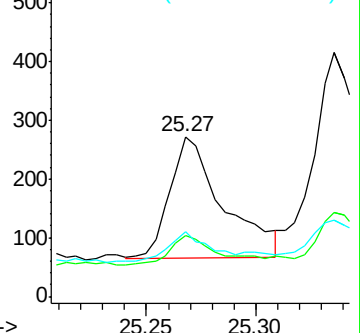
125 40.8 16.6 24.8#

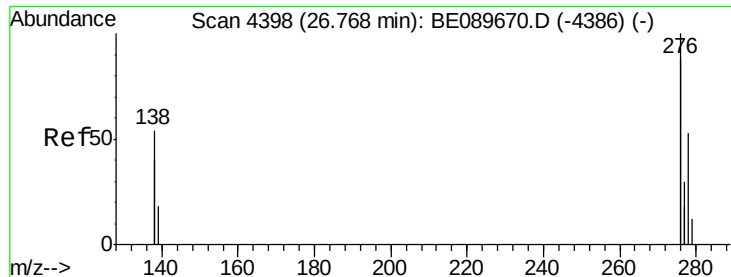


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#29

Dibenzo(a,h)anthracene

Concen: 0.03 ng

RT: 26.77 min Scan# 4399

Delta R.T. 0.01 min

Lab File: BE089666.D

Acq: 24 Feb 2015 11:46

Instrument :

BNA_E

LabSampleId :

SSTDIC0.1

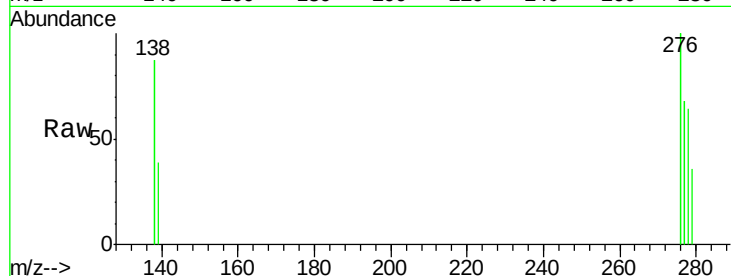
Tgt Ion: 278 Resp: 166

Ion Ratio Lower Upper

278 100

139 61.0 30.4 45.6#

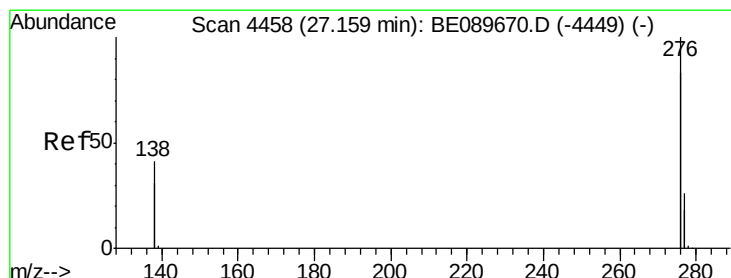
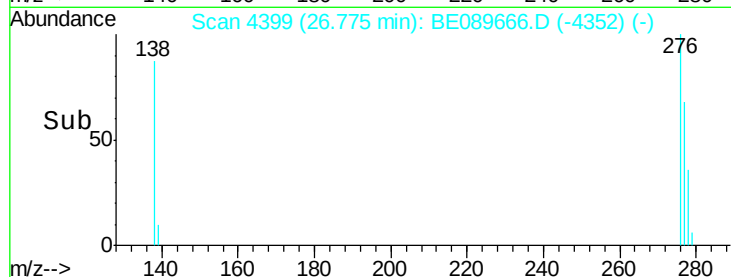
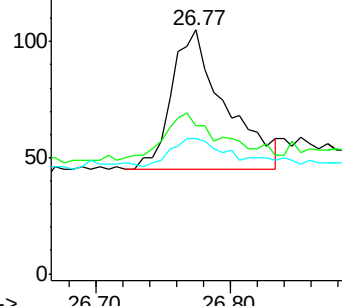
279 55.2 22.0 33.0#



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: 0.04 ng

RT: 27.15 min Scan# 4457

Delta R.T. -0.01 min

Lab File: BE089666.D

Acq: 24 Feb 2015 11:46

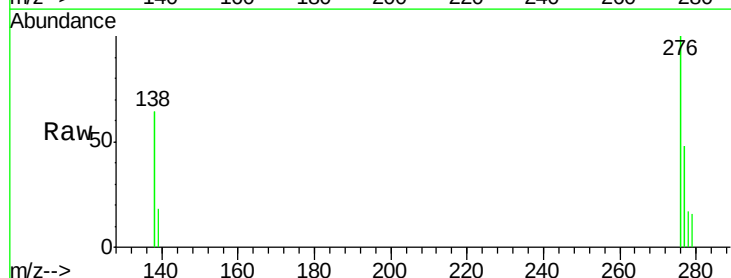
Tgt Ion: 276 Resp: 1347

Ion Ratio Lower Upper

276 100

277 48.3 21.0 31.6#

138 63.7 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

