

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE030316\
 Data File : BE091426.D
 Acq On : 3 Mar 2016 17:17
 Operator : UM/IZ
 Sample : SSTDICC0.8
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.8

Quant Time: Mar 04 03:24:16 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-BE030316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 04 03:11:46 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	30726	5.00	ng	0.00
4) Naphthalene-d8	9.53	136	144145	5.00	ng	0.00
8) Acenaphthene-d10	13.34	164	83460	5.00	ng	0.00
13) Phenanthrene-d10	16.10	188	112414	5.00	ng	0.00
19) Chrysene-d12	20.21	240	234201	5.00	ng	0.00
25) Perylene-d12	22.09	264	271138	5.00	ng	0.00

System Monitoring Compounds						
5) Nitrobenzene-d5	8.16	82	5617	0.71	ng	-0.02
9) 2-Fluorobiphenyl	12.00	172	16130	0.75	ng	0.00
21) Terphenyl-d14	18.61	244	28147	0.80	ng	0.00

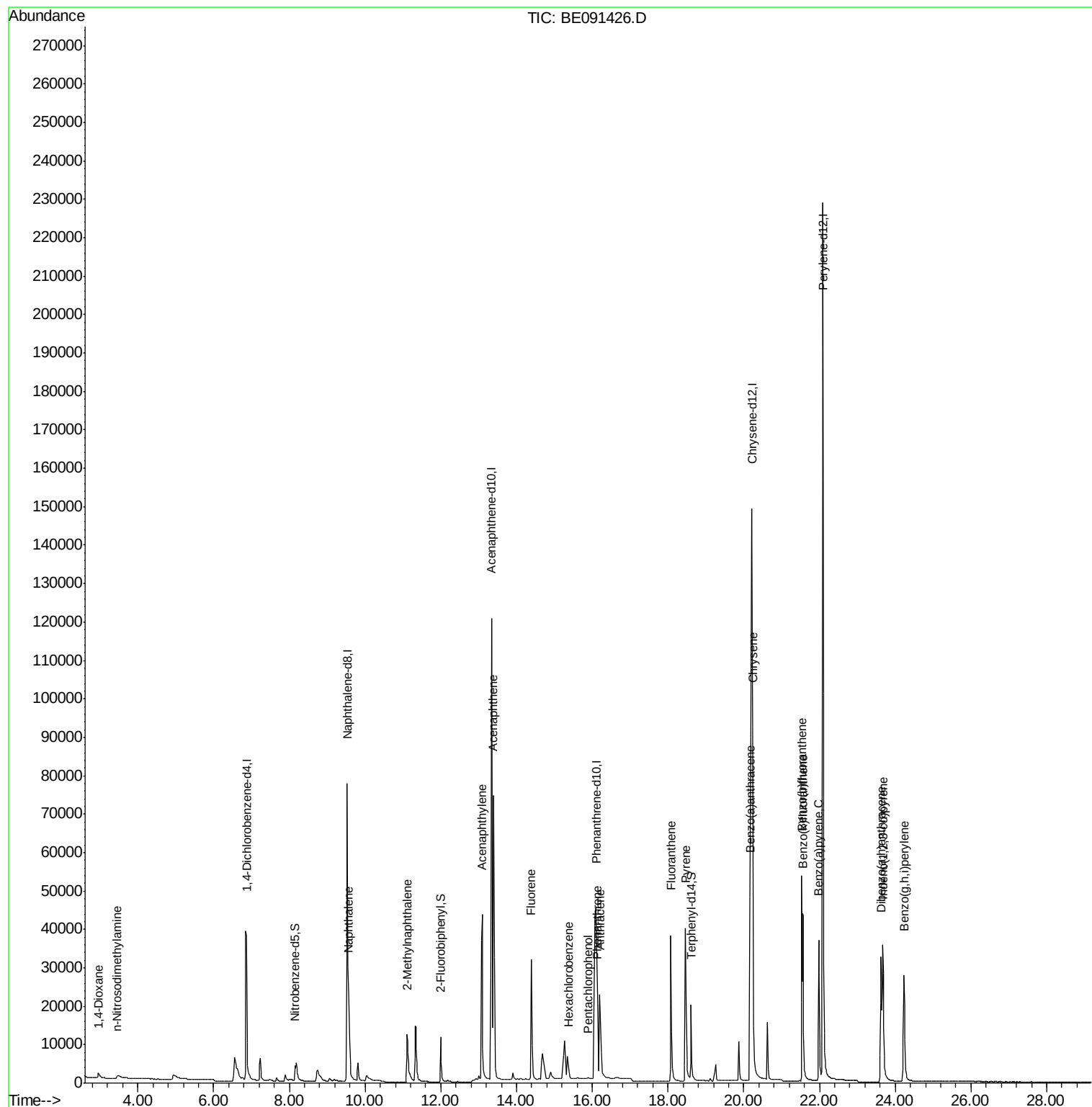
Target Compounds				Qvalue		
2) 1,4-Dioxane	2.95	88	2120	0.42	ng	89
3) n-Nitrosodimethylamine	3.45	42	2528	5.93	ng	# 90
6) Naphthalene	9.57	128	25341	0.82	ng	98
7) 2-Methylnaphthalene	11.11	142	15038m	0.81	ng	
10) Acenaphthylene	13.09	152	103866	0.93	ng	# 96
11) Acenaphthene	13.38	154	18486	0.90	ng	# 100
12) Fluorene	14.39	166	25867	0.95	ng	100
14) Hexachlorobenzene	15.38	284	4166	0.81	ng	# 100
15) Pentachlorophenol	15.89	266	433	0.87	ng	85
16) Phenanthrene	16.13	178	32170	1.12	ng	# 79
17) Anthracene	16.20	178	46538m	1.81	ng	
18) Fluoranthene	18.07	202	47075	1.65	ng	98
20) Pyrene	18.46	202	49522	0.92	ng	100
22) Benzo(a)anthracene	20.17	228	56341	1.17	ng	99
23) Chrysene	20.23	228	66842	1.02	ng	99
24) Indeno(1,2,3-cd)pyrene	23.67	276	53802m	1.15	ng	
26) Benzo(b)fluoranthene	21.53	252	53479m	0.96	ng	
27) Benzo(k)fluoranthene	21.56	252	61718m	0.93	ng	
28) Benzo(a)pyrene	21.99	252	47646	0.93	ng	99
29) Dibenzo(a,h)anthracene	23.63	278	47765	1.11	ng	97
30) Benzo(g,h,i)perylene	24.23	276	52016	0.94	ng	99

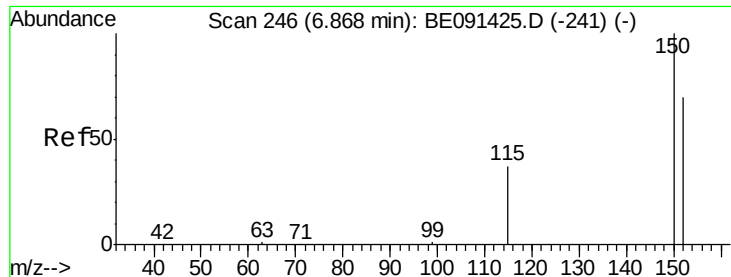
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 6.87 min Scan# 246

Delta R.T. 0.00 min

Lab File: BE091426.D

Acq: 3 Mar 2016 17:17

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.8

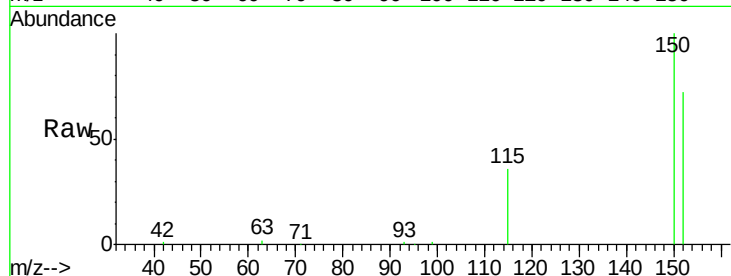
Tgt Ion:152 Resp: 30726

Ion Ratio Lower Upper

152 100

150 139.7 115.0 172.4

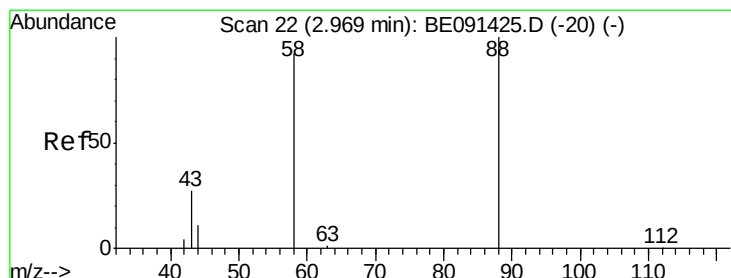
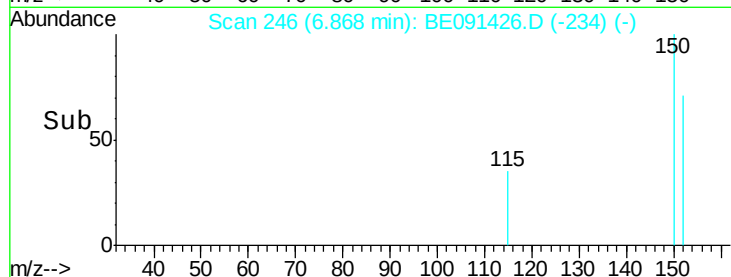
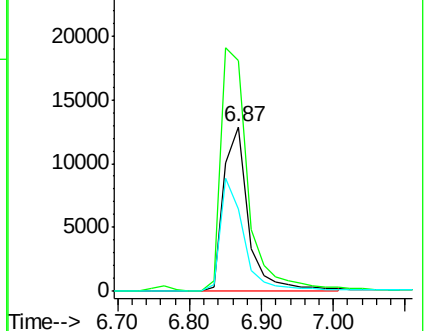
115 49.7 42.2 63.4



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: 0.42 ng

RT: 2.95 min Scan# 21

Delta R.T. -0.02 min

Lab File: BE091426.D

Acq: 3 Mar 2016 17:17

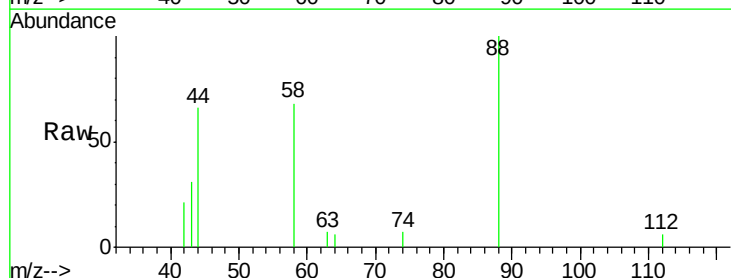
Tgt Ion: 88 Resp: 2120

Ion Ratio Lower Upper

88 100

58 105.2 96.9 145.3

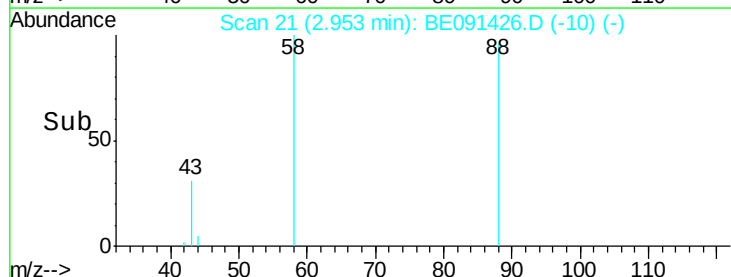
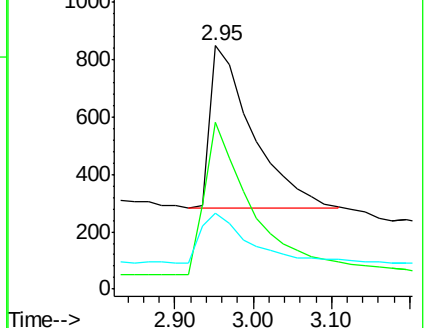
43 36.4 29.3 43.9

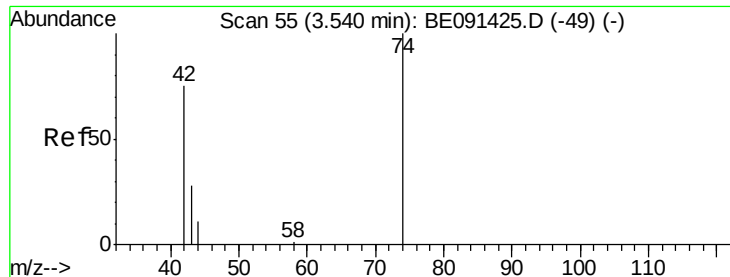


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 5.93 ng

RT: 3.45 min Scan# 50

Delta R.T. -0.09 min

Lab File: BE091426.D

Acq: 3 Mar 2016 17:17

Instrument :

BNA_E

ClientSampleId :

SSTDICC0.8

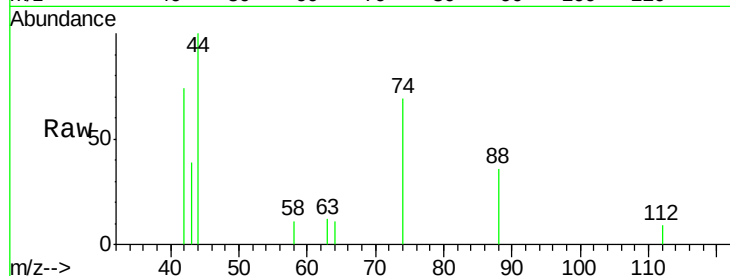
Tgt Ion: 42 Resp: 2528

Ion Ratio Lower Upper

42 100

74 131.8 96.6 144.8

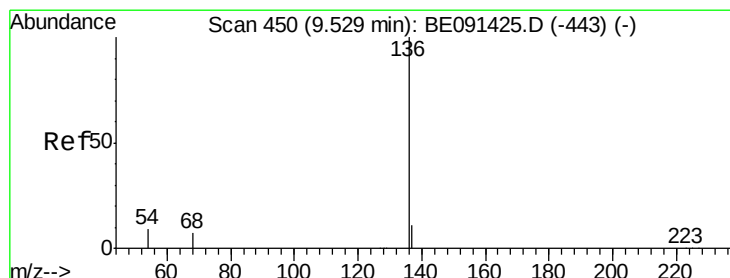
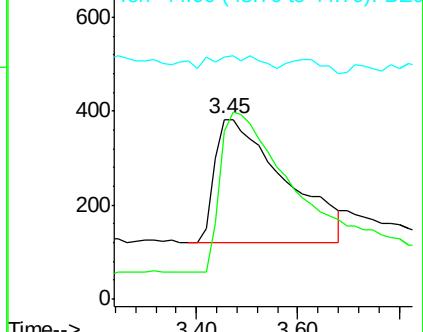
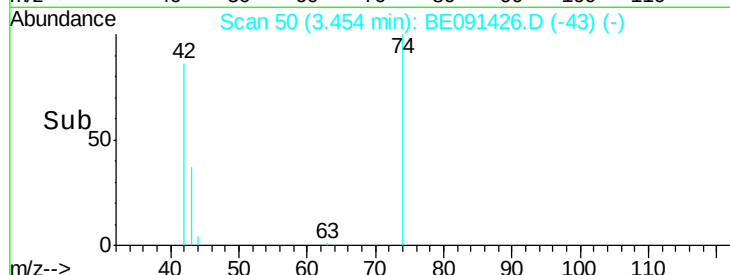
44 7.6 0.0 0.0#



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: 9.53 min Scan# 450

Delta R.T. 0.00 min

Lab File: BE091426.D

Acq: 3 Mar 2016 17:17

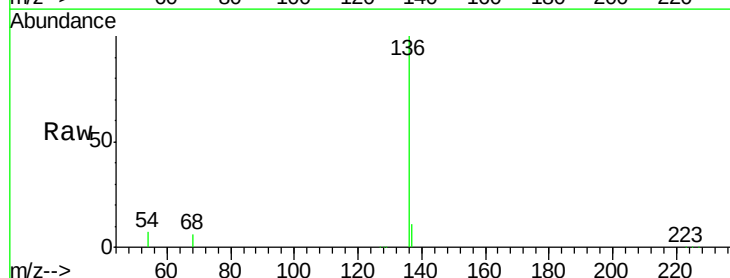
Tgt Ion: 136 Resp: 144145

Ion Ratio Lower Upper

136 100

137 11.3 8.7 13.1

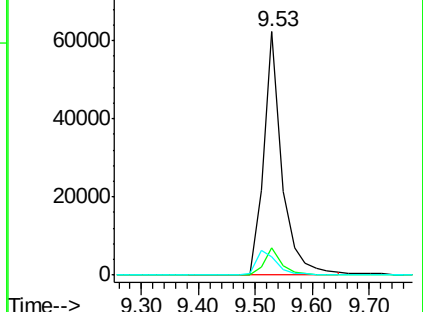
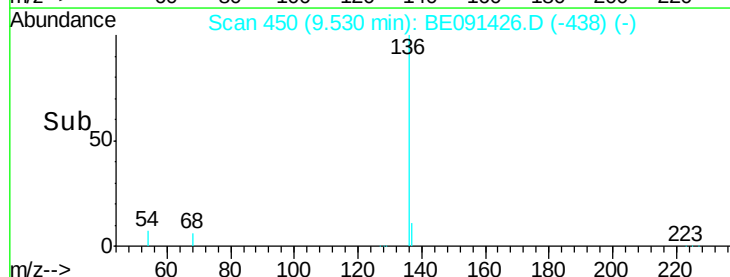
54 7.4 6.9 10.3

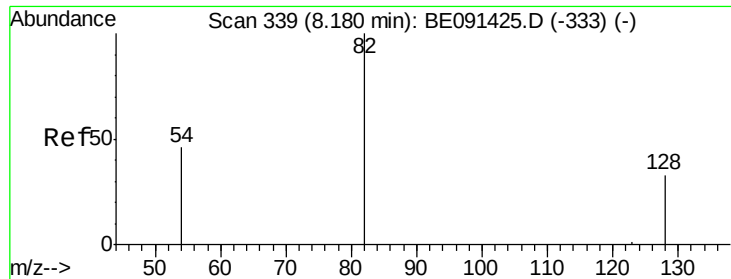


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0





#5

Nitrobenzene-d5

Concen: 0.71 ng

RT: 8.16 min Scan# 337

Delta R.T. -0.02 min

Lab File: BE091426.D

Acq: 3 Mar 2016 17:17

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.8

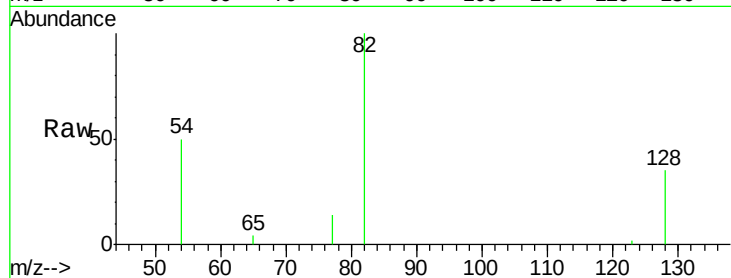
Tgt Ion: 82 Resp: 5617

Ion Ratio Lower Upper

82 100

128 35.5 30.0 45.0

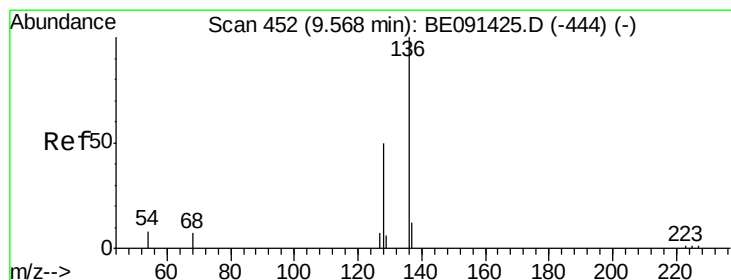
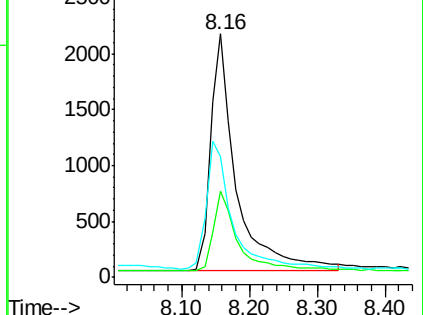
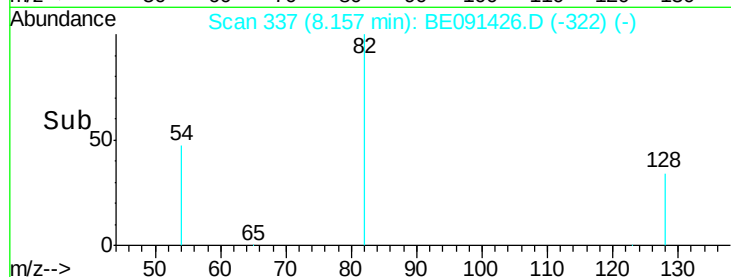
54 49.6 41.5 62.3



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: 0.82 ng

RT: 9.57 min Scan# 452

Delta R.T. 0.00 min

Lab File: BE091426.D

Acq: 3 Mar 2016 17:17

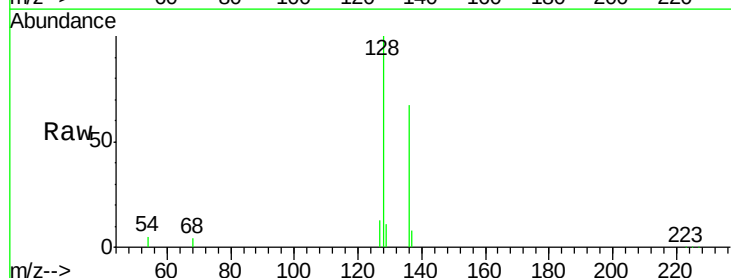
Tgt Ion: 128 Resp: 25341

Ion Ratio Lower Upper

128 100

129 11.1 9.5 14.3

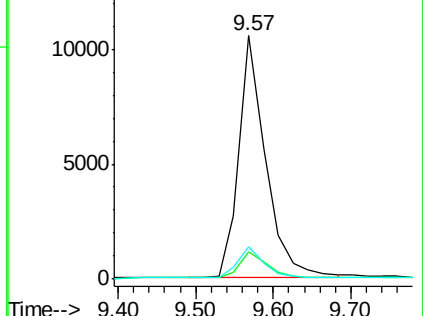
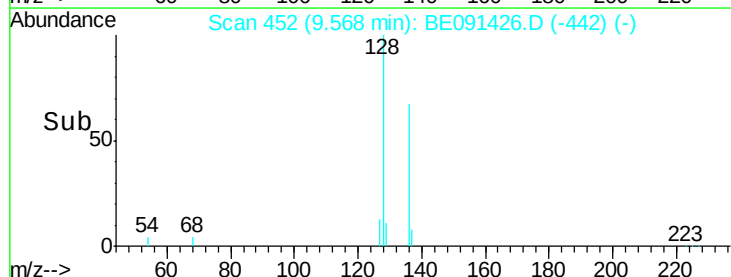
127 13.4 11.4 17.0

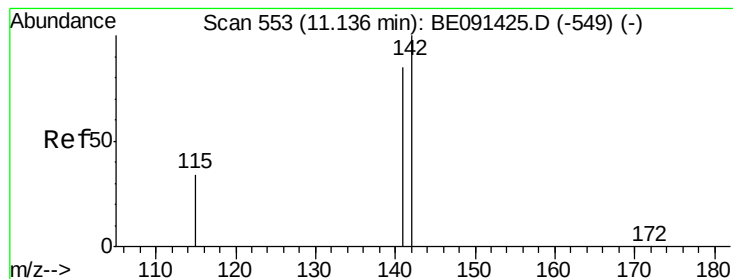


Abundance Ion 128.00 (127.70 to 128.70): BE0

Ion 129.00 (128.70 to 129.70): BE0

Ion 127.00 (126.70 to 127.70): BE0





#7

2-Methylnaphthalene

Concen: 0.81 ng m

RT: 11.11 min Scan# 551

Delta R.T. -0.02 min

Lab File: BE091426.D

Acq: 3 Mar 2016 17:17

Instrument :

BNA_E

ClientSampleId :

SSTDICC0.8

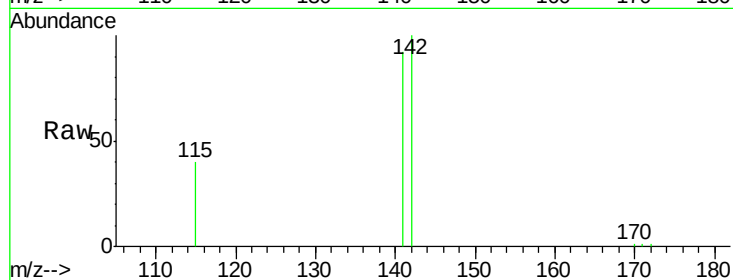
Tgt Ion:142 Resp: 15038

Ion Ratio Lower Upper

142 100

141 92.1 68.3 102.5

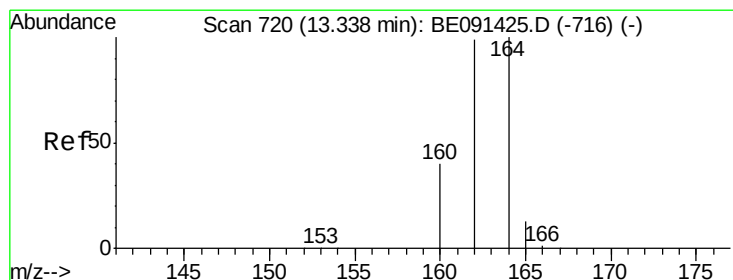
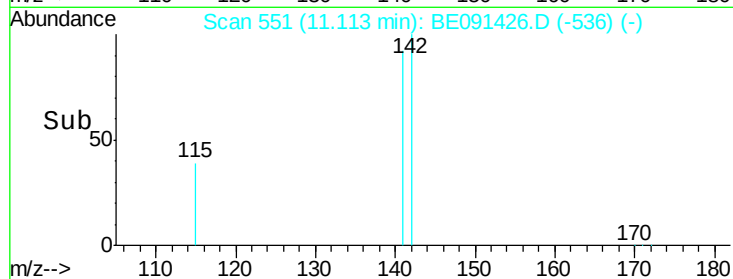
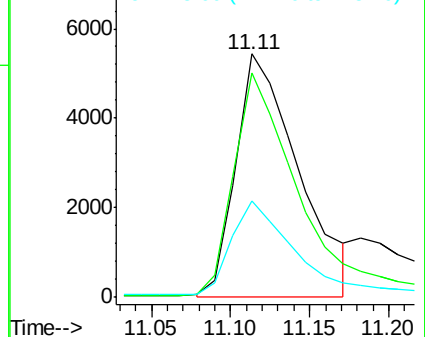
115 39.5 28.9 43.3



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: 13.34 min Scan# 720

Delta R.T. 0.00 min

Lab File: BE091426.D

Acq: 3 Mar 2016 17:17

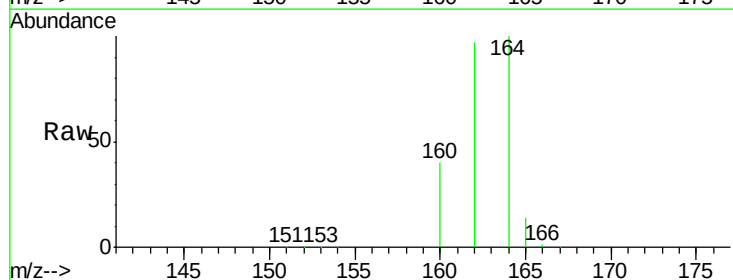
Tgt Ion:164 Resp: 83460

Ion Ratio Lower Upper

164 100

162 97.0 79.1 118.7

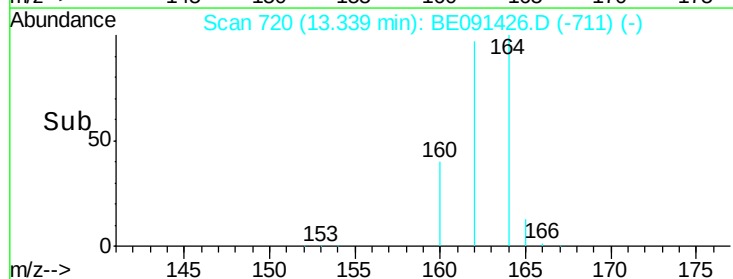
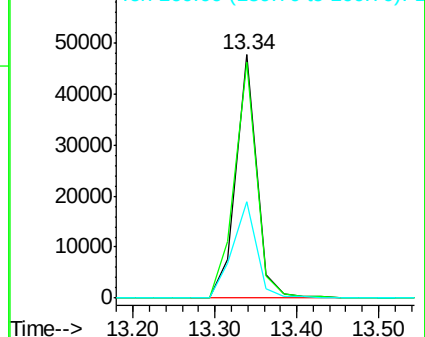
160 39.6 32.4 48.6

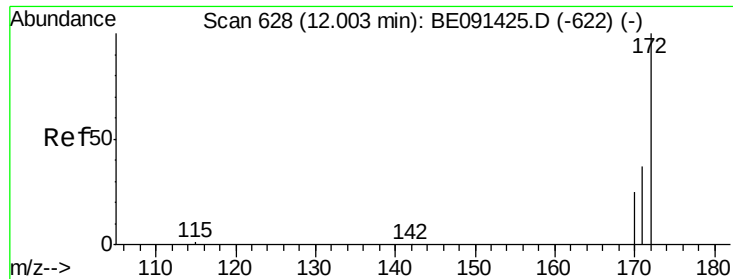


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#9

2-Fluorobiphenyl

Concen: 0.75 ng

RT: 12.00 min Scan# 628

Delta R.T. 0.00 min

Lab File: BE091426.D

Acq: 3 Mar 2016 17:17

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.8

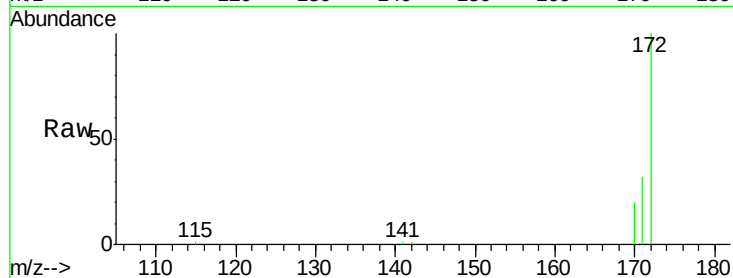
Tgt Ion:172 Resp: 16130

Ion Ratio Lower Upper

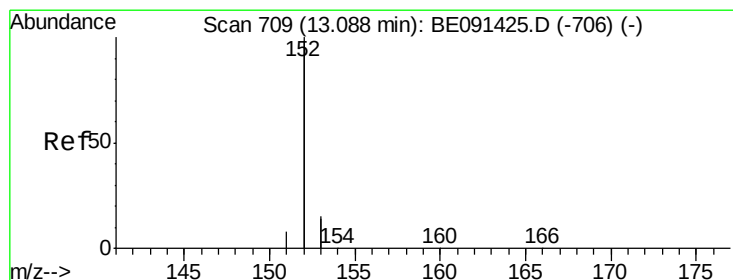
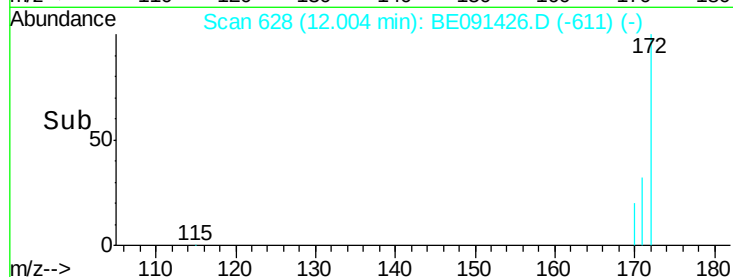
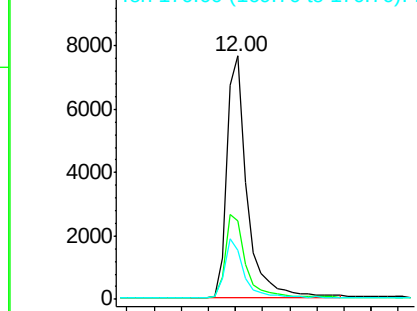
172 100

171 32.0 30.2 45.4

170 20.0 20.9 31.3#



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: 0.93 ng

RT: 13.09 min Scan# 709

Delta R.T. 0.00 min

Lab File: BE091426.D

Acq: 3 Mar 2016 17:17

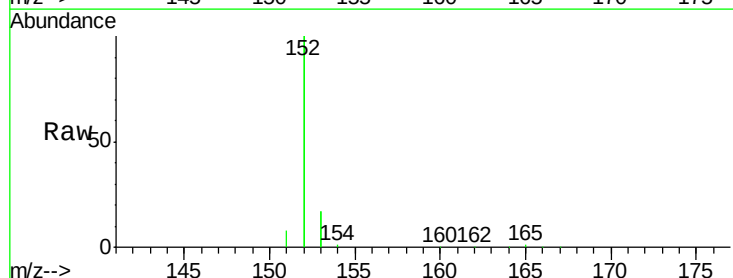
Tgt Ion:152 Resp: 103866

Ion Ratio Lower Upper

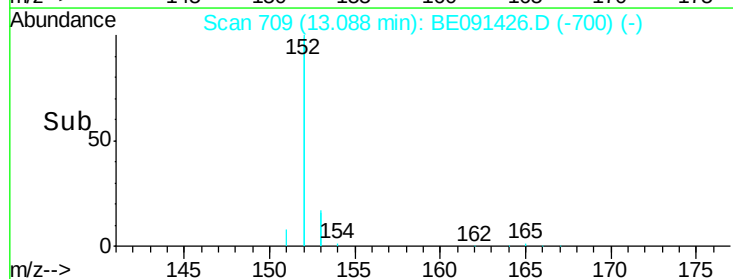
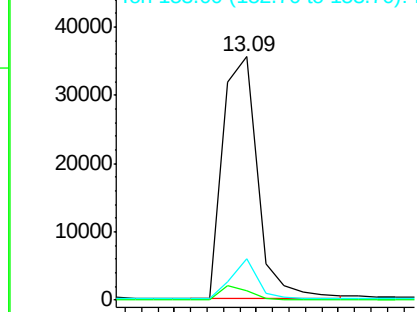
152 100

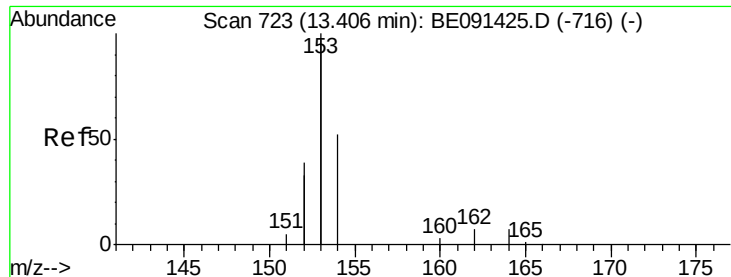
151 0.0 3.9 5.9#

153 13.0 10.5 15.7



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: 0.90 ng

RT: 13.38 min Scan# 722

Delta R.T. -0.02 min

Lab File: BE091426.D

Acq: 3 Mar 2016 17:17

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.8

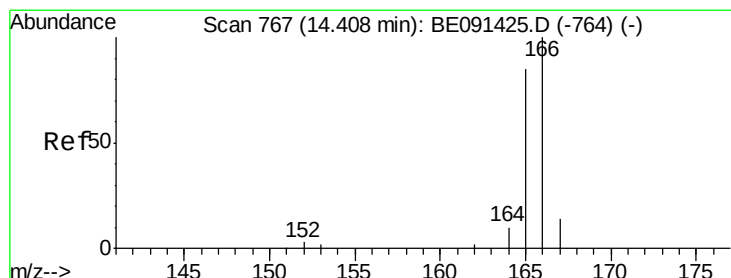
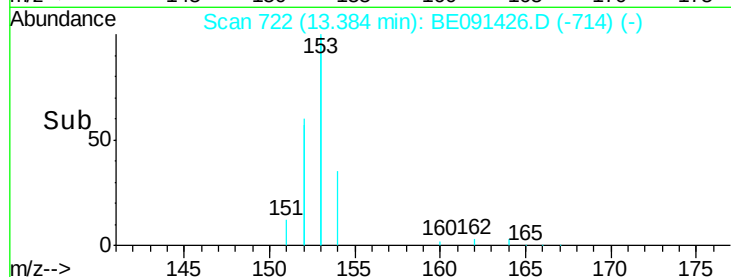
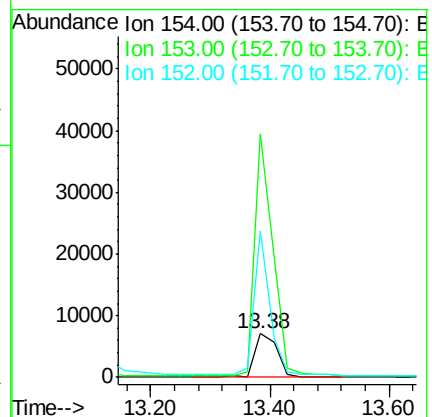
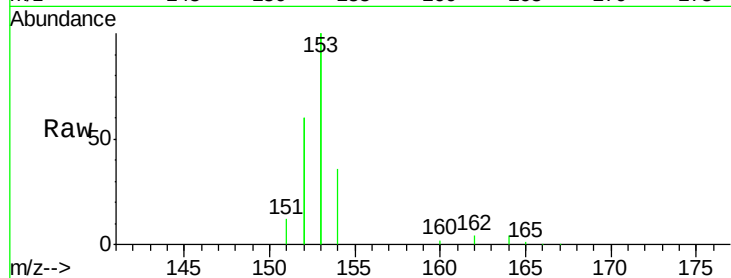
Tgt Ion:154 Resp: 18486

Ion Ratio Lower Upper

154 100

153 451.5 0.0 0.0#

152 232.9 0.0 0.0#



#12

Fluorene

Concen: 0.95 ng

RT: 14.39 min Scan# 766

Delta R.T. -0.02 min

Lab File: BE091426.D

Acq: 3 Mar 2016 17:17

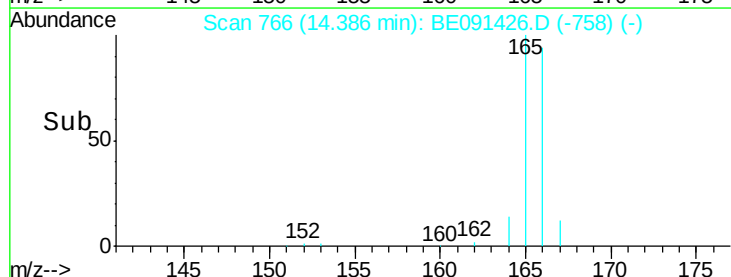
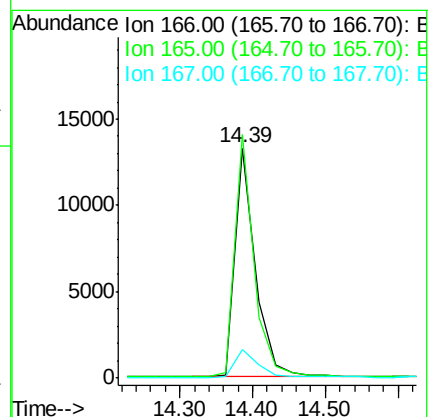
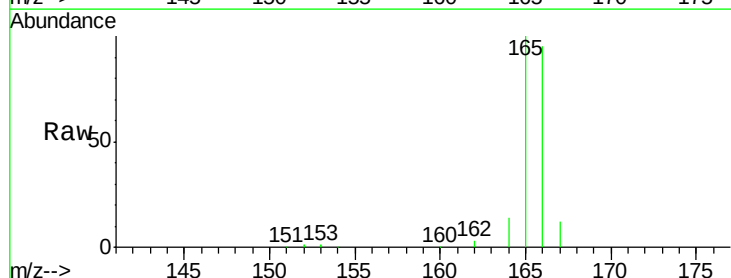
Tgt Ion:166 Resp: 25867

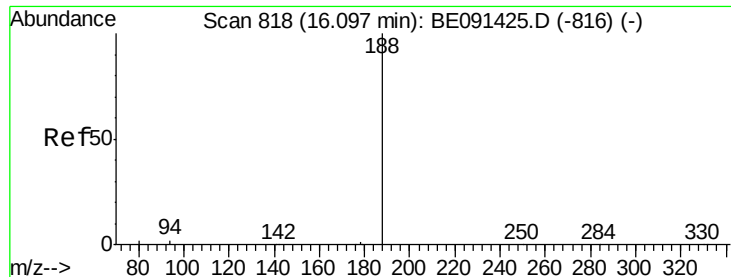
Ion Ratio Lower Upper

166 100

165 99.5 79.4 119.2

167 13.3 10.7 16.1

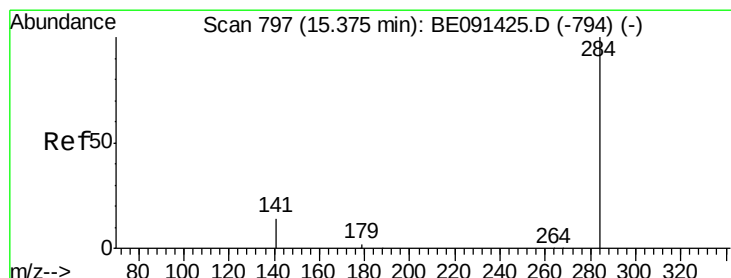
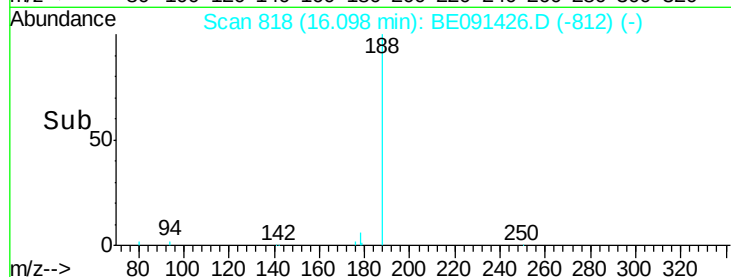
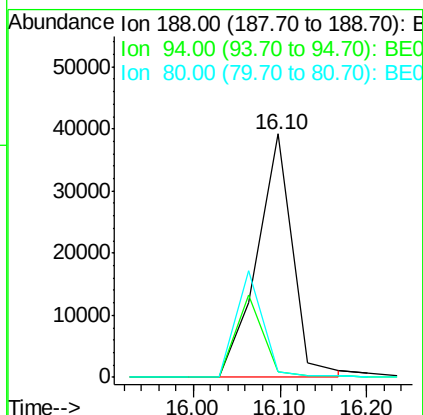
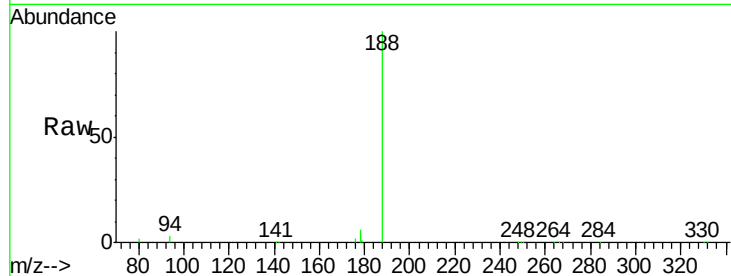




#13
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.10 min Scan# 818
Delta R.T. 0.00 min
Lab File: BE091426.D
Acq: 3 Mar 2016 17:17

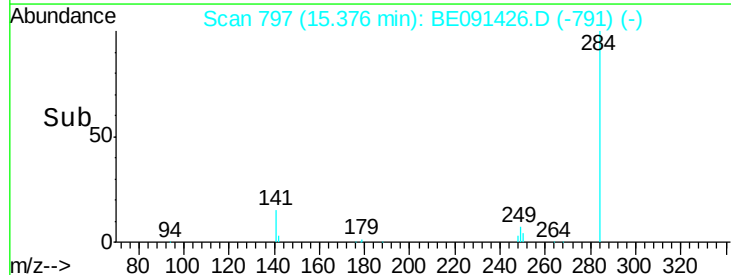
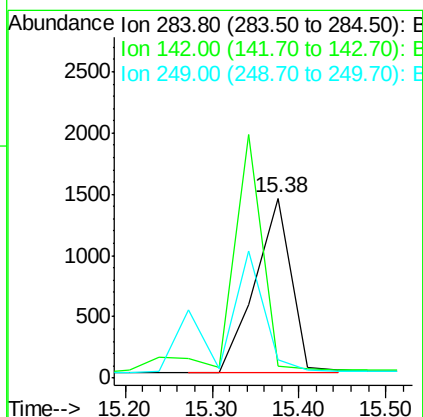
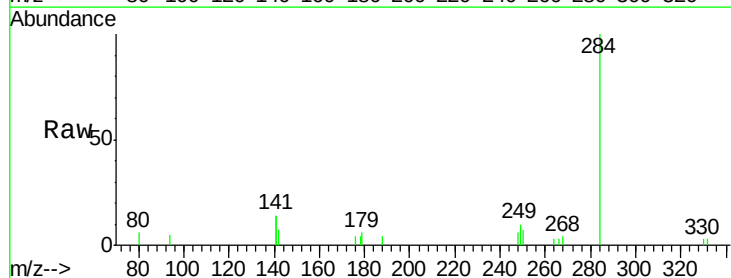
Instrument :
BNA_E
ClientSampleId :
SSTDIC0.8

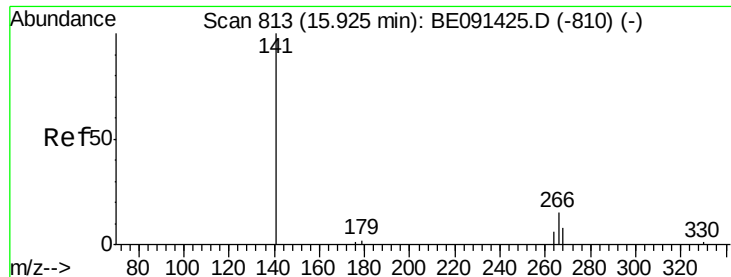
Tgt Ion:188 Resp: 112414
Ion Ratio Lower Upper
188 100
94 2.5 2.1 3.1
80 2.5 1.9 2.9



#14
Hexachlorobenzene
Concen: 0.81 ng
RT: 15.38 min Scan# 797
Delta R.T. 0.00 min
Lab File: BE091426.D
Acq: 3 Mar 2016 17:17

Tgt Ion:284 Resp: 4166
Ion Ratio Lower Upper
284 100
142 0.0 0.0 0.0
249 0.0 0.0 0.0

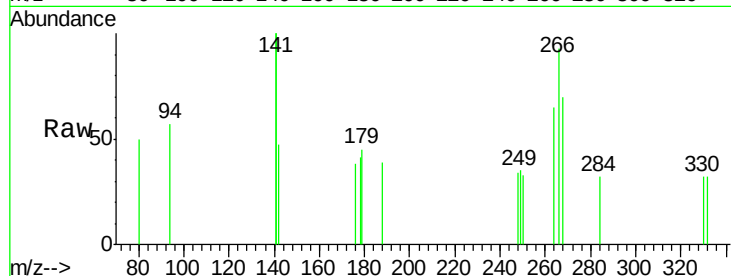




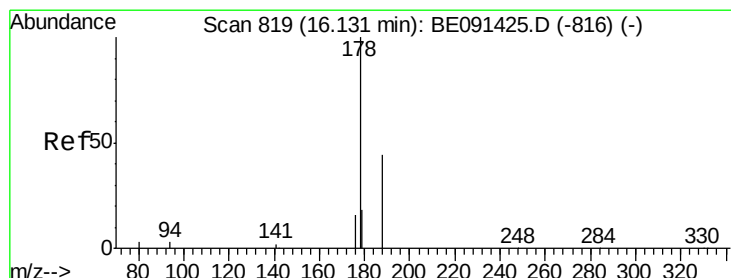
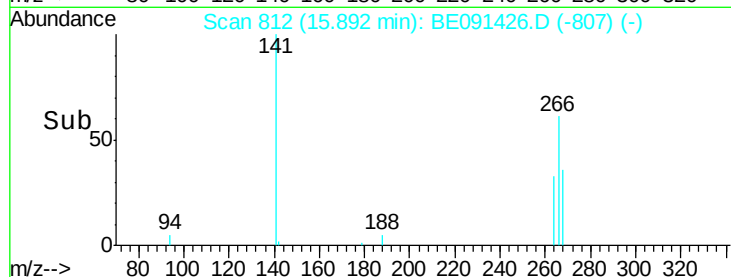
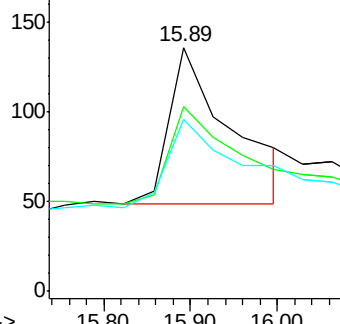
#15
 Pentachlorophenol
 Concen: 0.87 ng
 RT: 15.89 min Scan# 812
 Delta R.T. -0.03 min
 Lab File: BE091426.D
 Acq: 3 Mar 2016 17:17

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.8

Tgt Ion: 266 Resp: 433
 Ion Ratio Lower Upper
 266 100
 268 75.7 73.0 109.6
 264 70.6 66.1 99.1

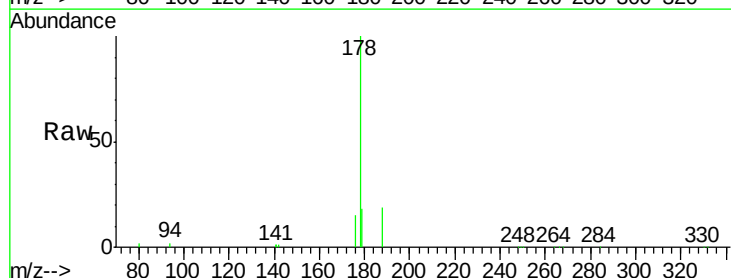


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

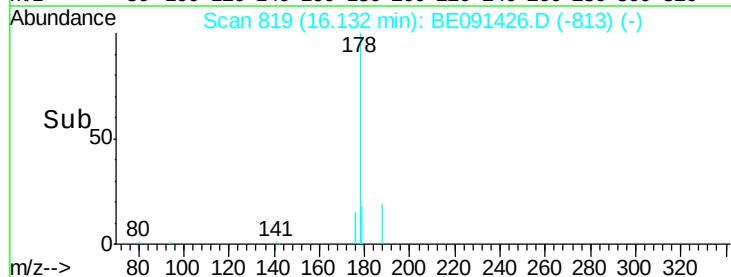
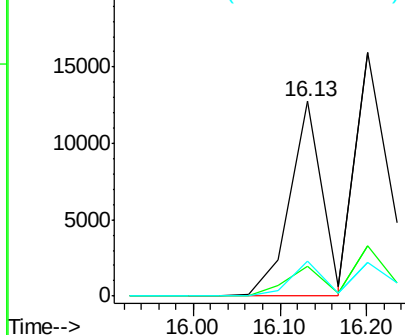


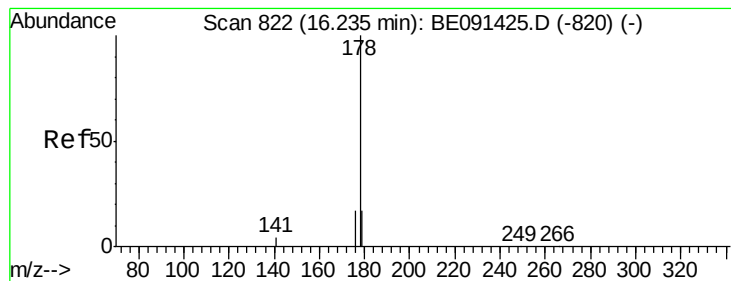
#16
 Phenanthrene
 Concen: 1.12 ng
 RT: 16.13 min Scan# 819
 Delta R.T. 0.00 min
 Lab File: BE091426.D
 Acq: 3 Mar 2016 17:17

Tgt Ion: 178 Resp: 32170
 Ion Ratio Lower Upper
 178 100
 176 0.0 13.8 20.8#
 179 16.8 14.2 21.4



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





#17

Anthracene

Concen: 1.81 ng m

RT: 16.20 min Scan# 821

Delta R.T. -0.03 min

Lab File: BE091426.D

Acq: 3 Mar 2016 17:17

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.8

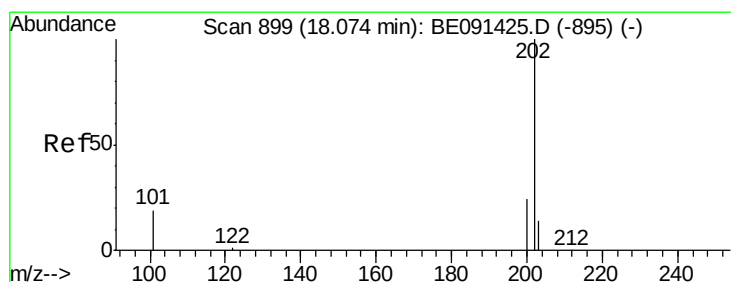
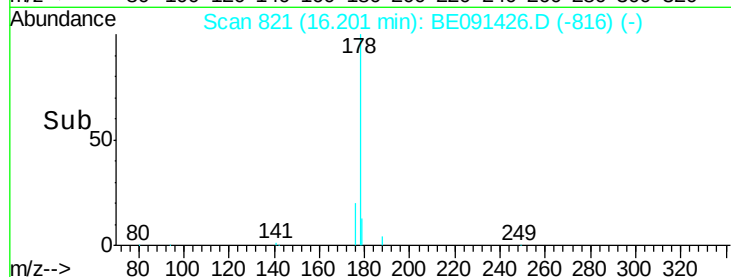
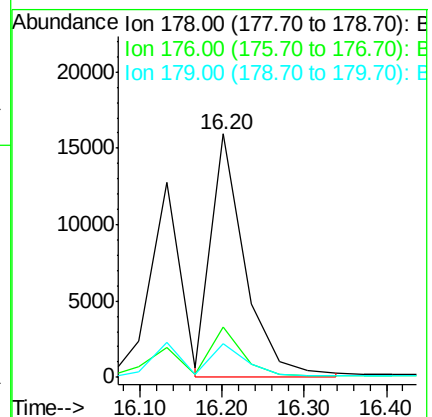
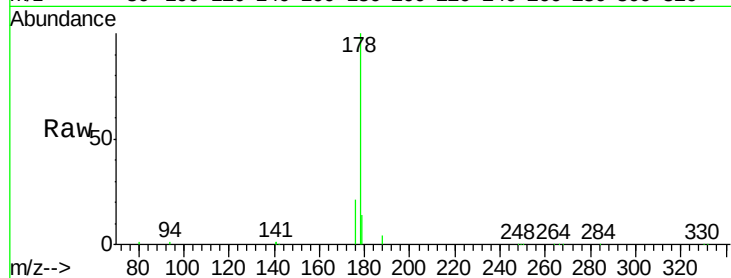
Tgt Ion:178 Resp: 46538

Ion Ratio Lower Upper

178 100

176 0.0 23.5 35.3#

179 9.6 14.3 21.5#



#18

Fluoranthene

Concen: 1.65 ng

RT: 18.07 min Scan# 899

Delta R.T. 0.00 min

Lab File: BE091426.D

Acq: 3 Mar 2016 17:17

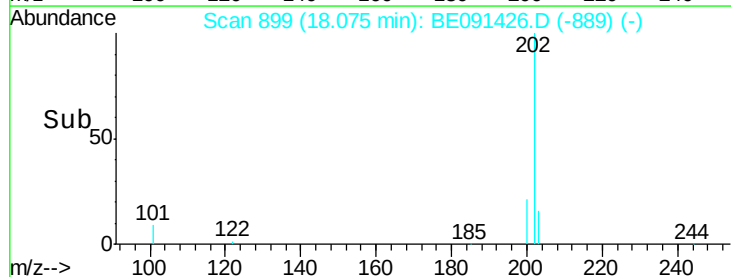
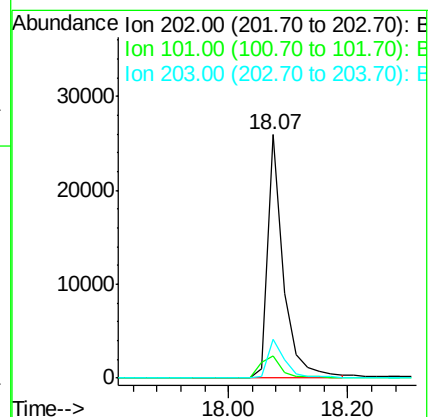
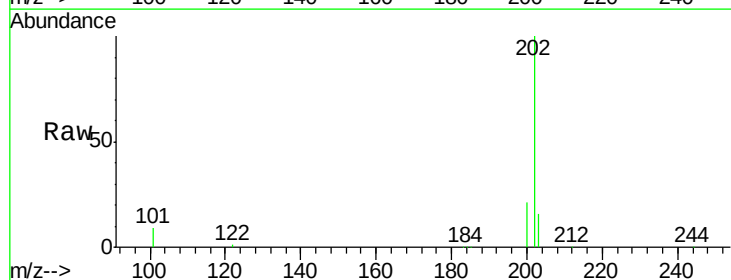
Tgt Ion:202 Resp: 47075

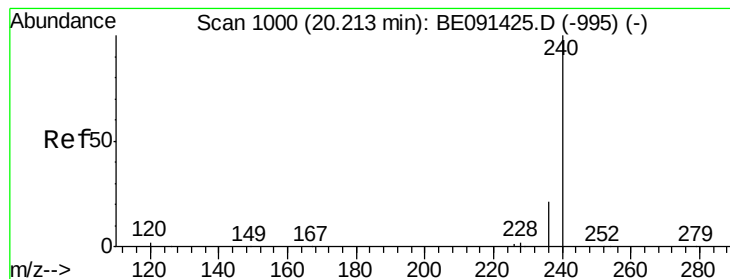
Ion Ratio Lower Upper

202 100

101 12.0 11.0 16.4

203 17.0 13.7 20.5





#19

Chrysene-d12

Concen: 5.00 ng

RT: 20.21 min Scan# 1000

Delta R.T. -0.00 min

Lab File: BE091426.D

Acq: 3 Mar 2016 17:17

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.8

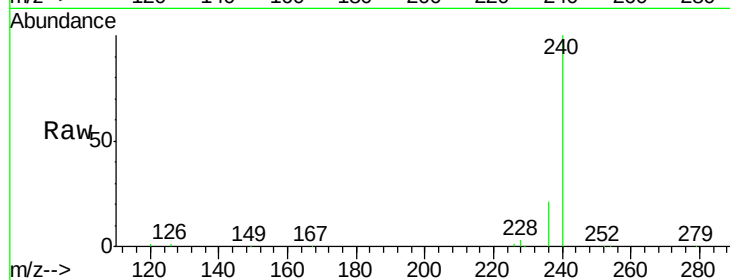
Tgt Ion:240 Resp: 234201

Ion Ratio Lower Upper

240 100

120 1.5 1.4 2.0

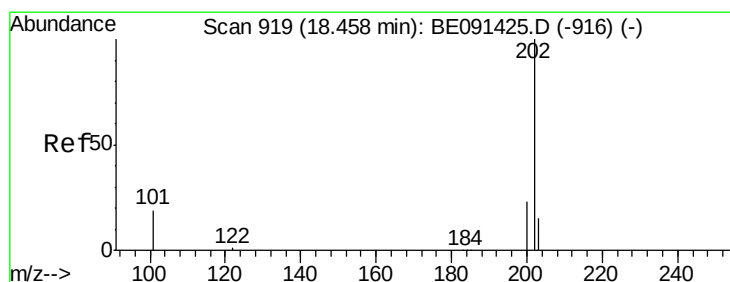
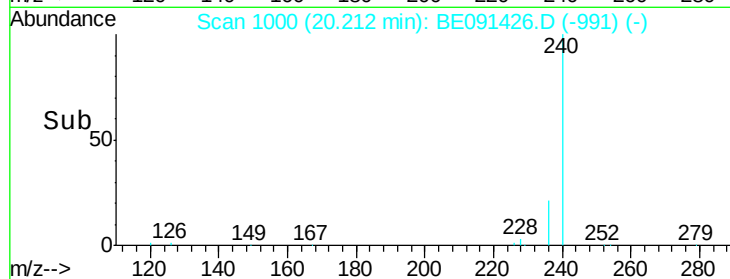
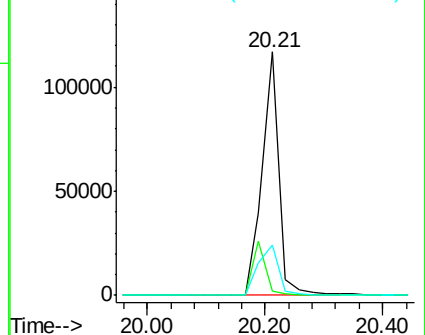
236 20.8 16.7 25.1



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: 0.92 ng

RT: 18.46 min Scan# 919

Delta R.T. 0.00 min

Lab File: BE091426.D

Acq: 3 Mar 2016 17:17

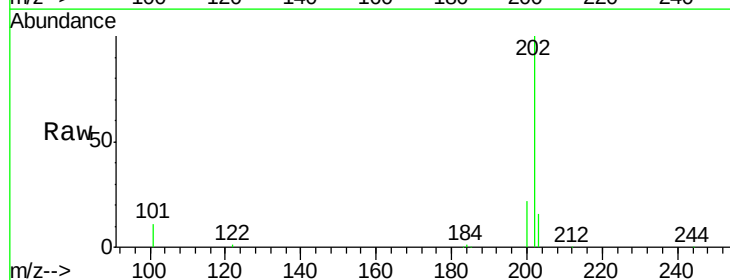
Tgt Ion:202 Resp: 49522

Ion Ratio Lower Upper

202 100

200 20.8 16.5 24.7

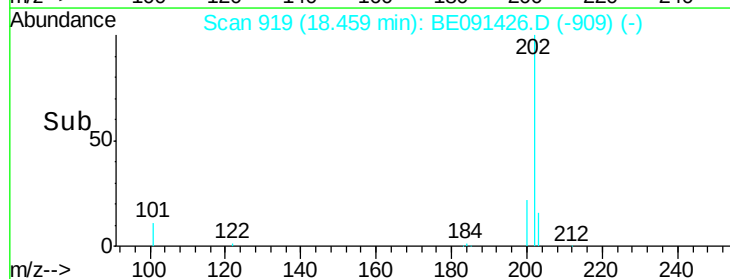
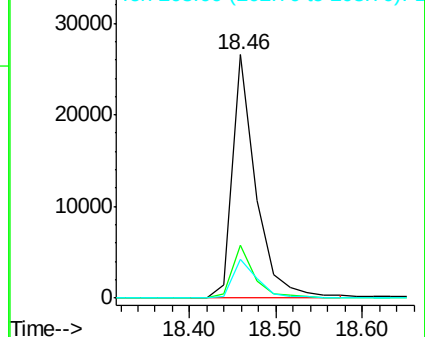
203 17.2 13.8 20.6

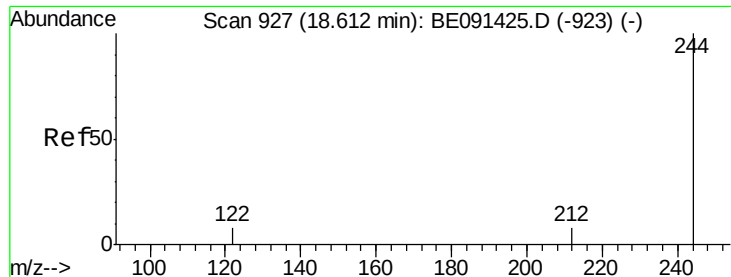


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

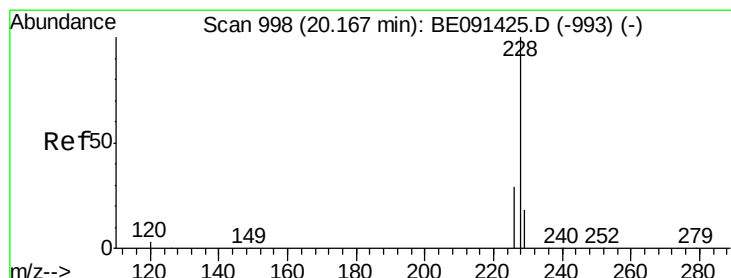
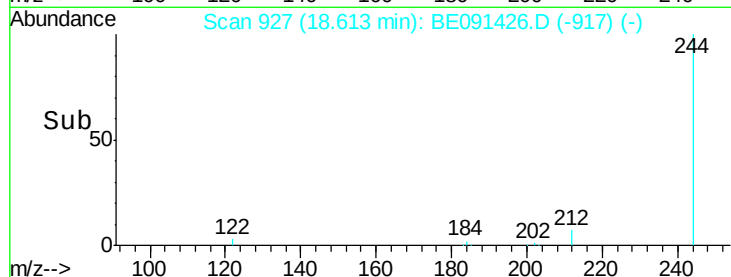
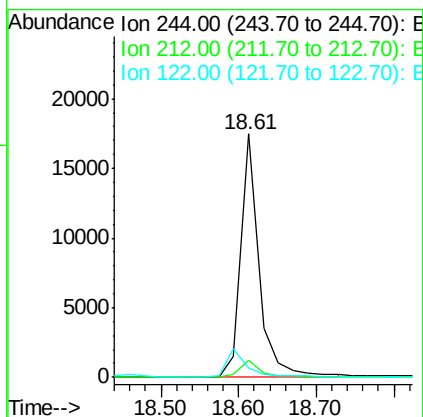
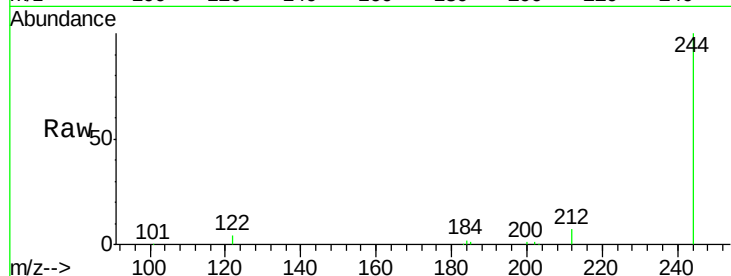




#21
 Terphenyl-d14
 Concen: 0.80 ng
 RT: 18.61 min Scan# 927
 Delta R.T. 0.00 min
 Lab File: BE091426.D
 Acq: 3 Mar 2016 17:17

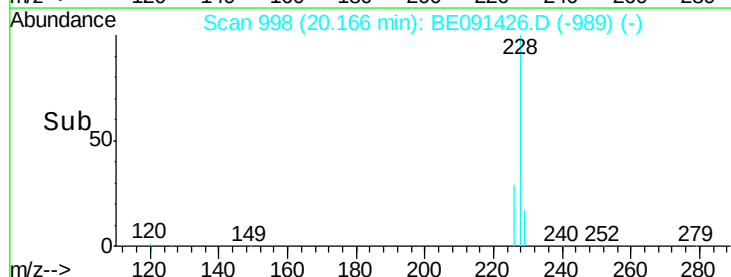
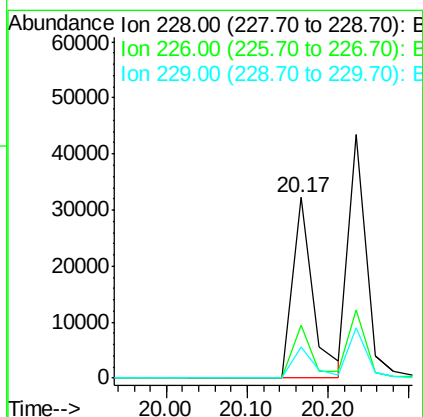
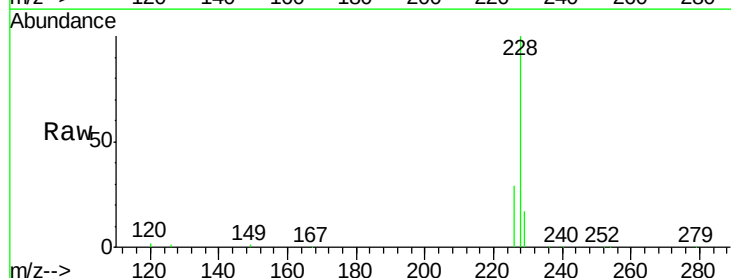
Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.8

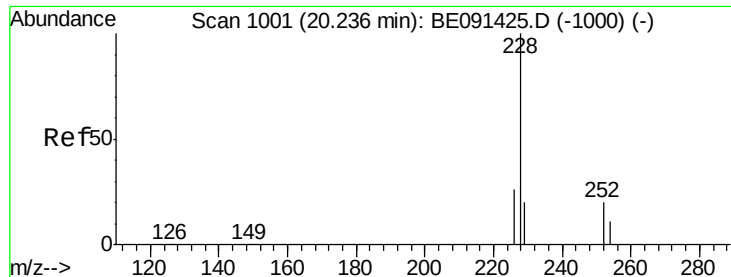
Tgt Ion: 244 Resp: 28147
 Ion Ratio Lower Upper
 244 100
 212 7.1 7.0 10.6
 122 3.7 6.8 10.2#



#22
 Benzo(a)anthracene
 Concen: 1.17 ng
 RT: 20.17 min Scan# 998
 Delta R.T. -0.00 min
 Lab File: BE091426.D
 Acq: 3 Mar 2016 17:17

Tgt Ion: 228 Resp: 56341
 Ion Ratio Lower Upper
 228 100
 226 29.2 23.1 34.7
 229 17.2 14.5 21.7





#23

Chrysene

Concen: 1.02 ng

RT: 20.23 min Scan# 1001

Delta R.T. -0.00 min

Lab File: BE091426.D

Acq: 3 Mar 2016 17:17

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.8

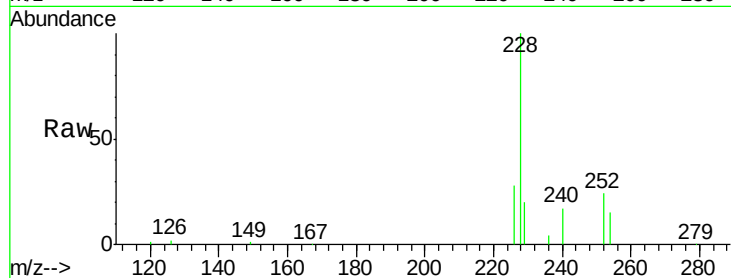
Tgt Ion: 228 Resp: 66842

Ion Ratio Lower Upper

228 100

226 28.0 22.0 33.0

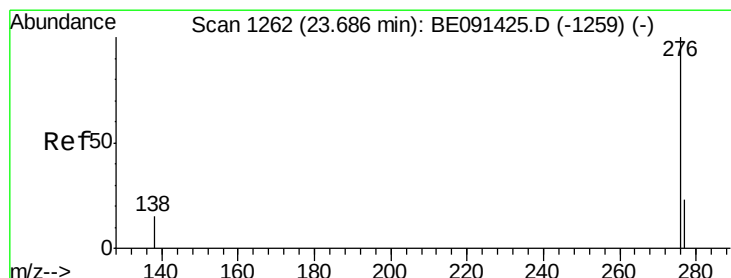
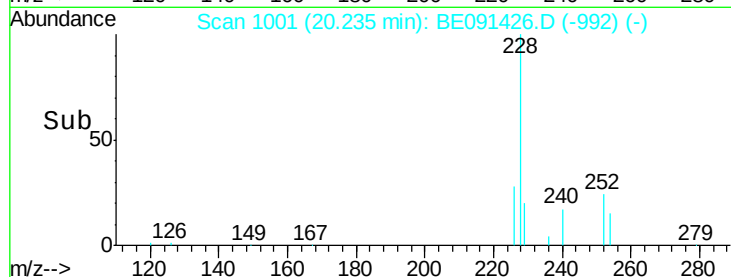
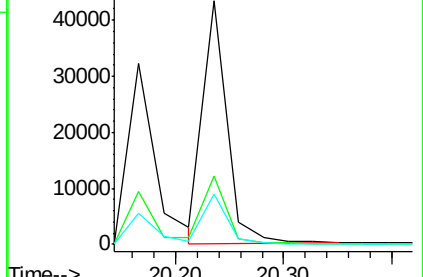
229 20.5 16.2 24.2



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: 1.15 ng m

RT: 23.67 min Scan# 1261

Delta R.T. -0.01 min

Lab File: BE091426.D

Acq: 3 Mar 2016 17:17

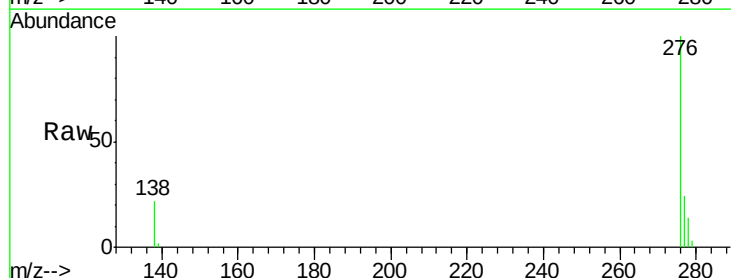
Tgt Ion: 276 Resp: 53802

Ion Ratio Lower Upper

276 100

138 30.0 15.9 23.9#

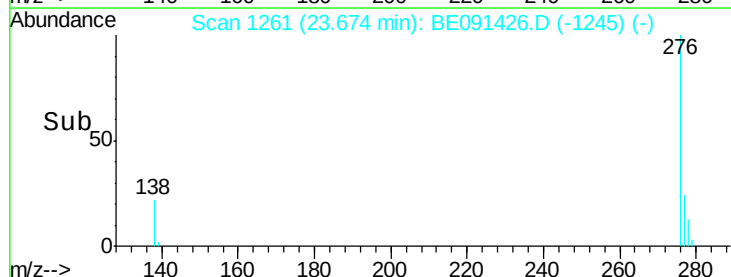
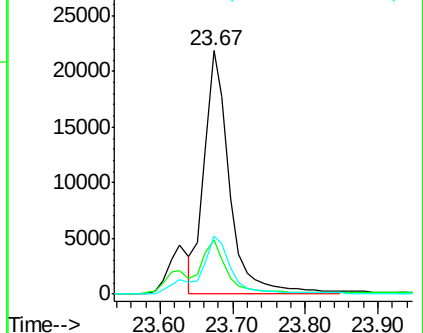
277 28.4 22.4 33.6

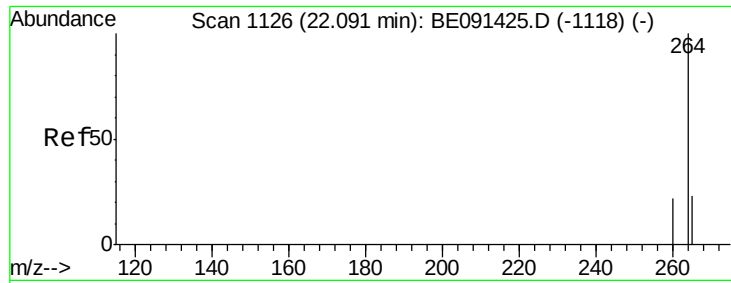


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

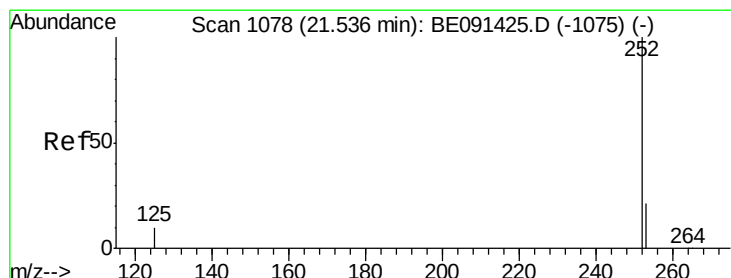
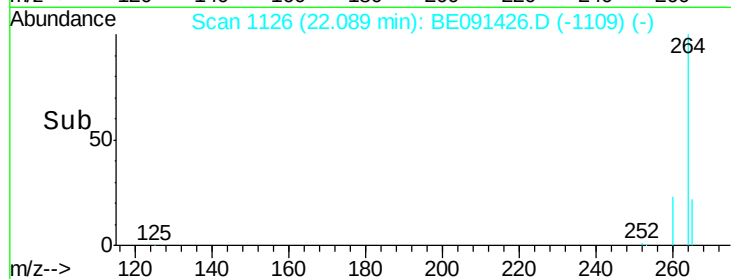
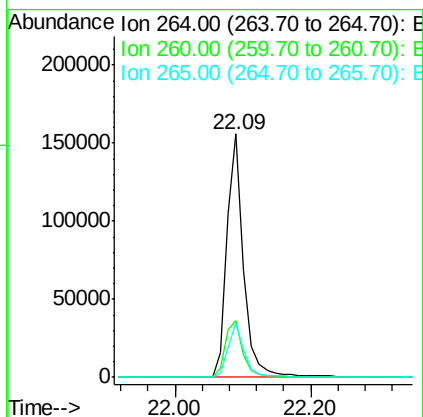
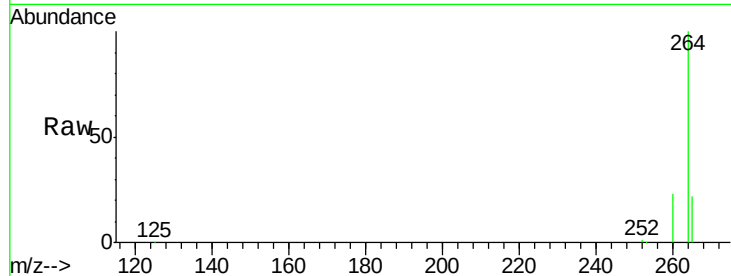




#25
Perylene-d12
Concen: 5.00 ng
RT: 22.09 min Scan# 1126
Delta R.T. -0.00 min
Lab File: BE091426.D
Acq: 3 Mar 2016 17:17

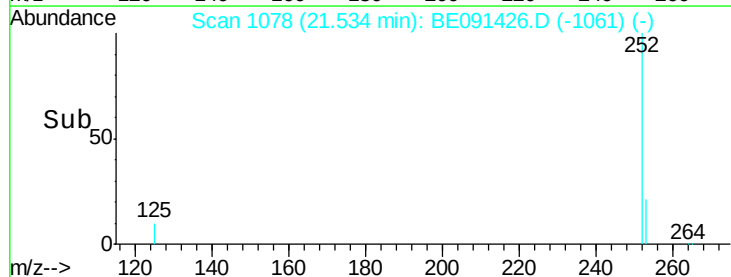
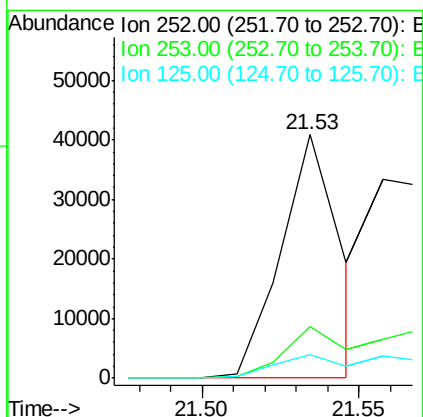
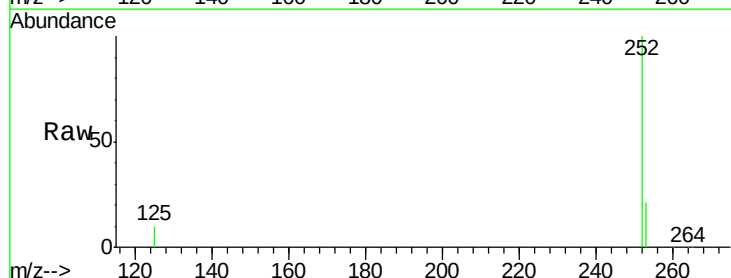
Instrument :
BNA_E
ClientSampleId :
SSTDIC0.8

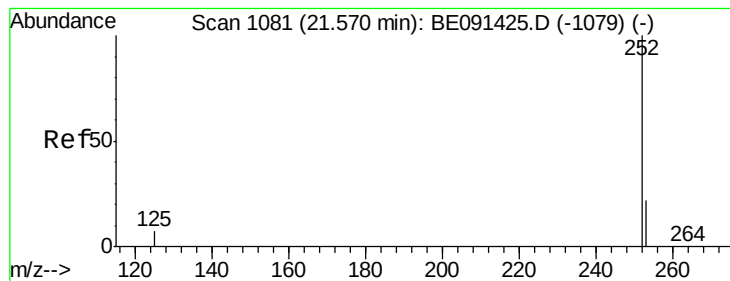
Tgt Ion: 264 Resp: 271138
Ion Ratio Lower Upper
264 100
260 23.3 18.0 27.0
265 22.5 18.2 27.4



#26
Benzo(b)fluoranthene
Concen: 0.96 ng m
RT: 21.53 min Scan# 1078
Delta R.T. -0.00 min
Lab File: BE091426.D
Acq: 3 Mar 2016 17:17

Tgt Ion: 252 Resp: 53479
Ion Ratio Lower Upper
252 100
253 21.4 17.0 25.4
125 9.7 8.3 12.5





#27

Benzo(k)fluoranthene

Concen: 0.93 ng m

RT: 21.56 min Scan# 1080

Delta R.T. -0.01 min

Lab File: BE091426.D

Acq: 3 Mar 2016 17:17

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.8

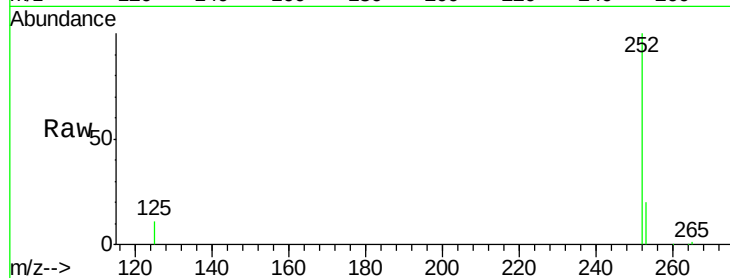
Tgt Ion:252 Resp: 61718

Ion Ratio Lower Upper

252 100

253 19.7 19.5 29.3

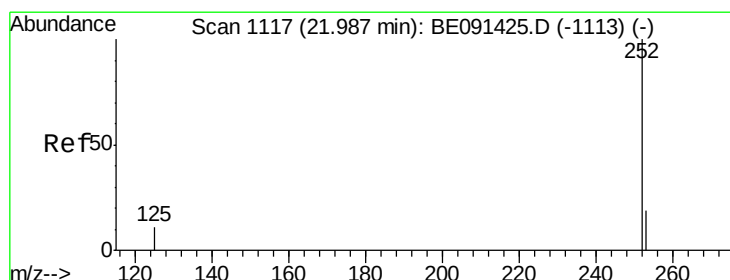
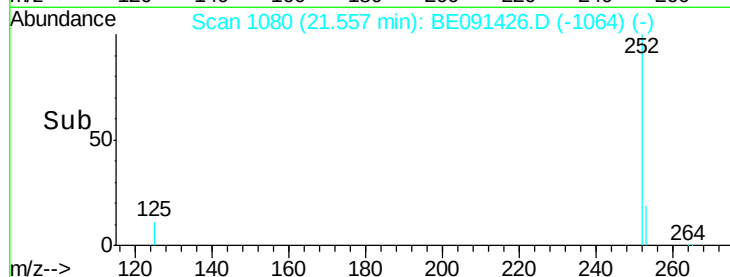
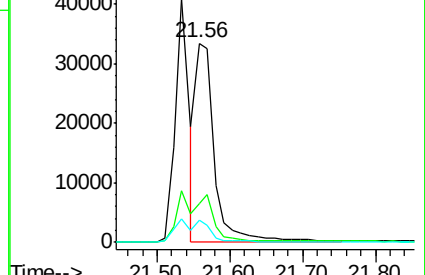
125 11.4 7.3 10.9#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#28

Benzo(a)pyrene

Concen: 0.93 ng

RT: 21.99 min Scan# 1117

Delta R.T. -0.00 min

Lab File: BE091426.D

Acq: 3 Mar 2016 17:17

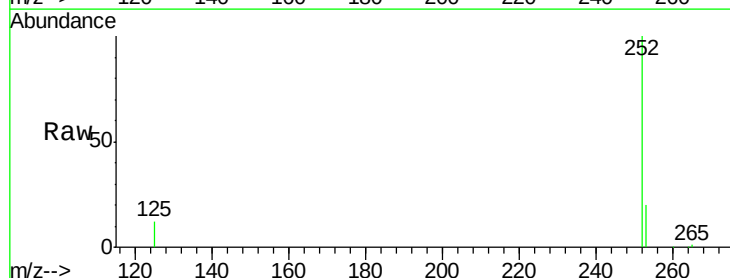
Tgt Ion:252 Resp: 47646

Ion Ratio Lower Upper

252 100

253 19.9 16.2 24.4

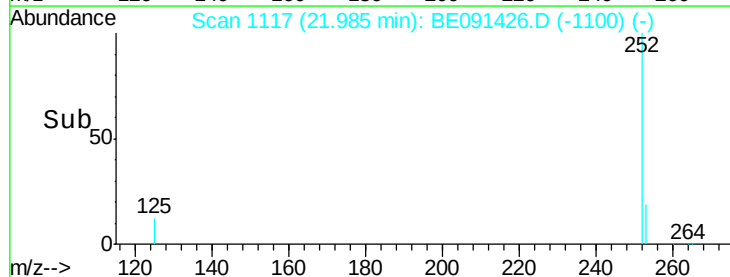
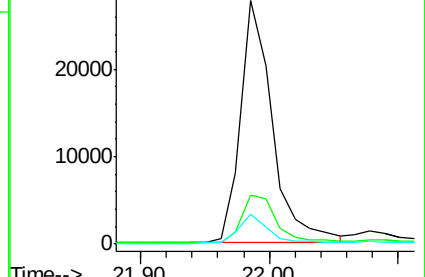
125 12.0 9.6 14.4

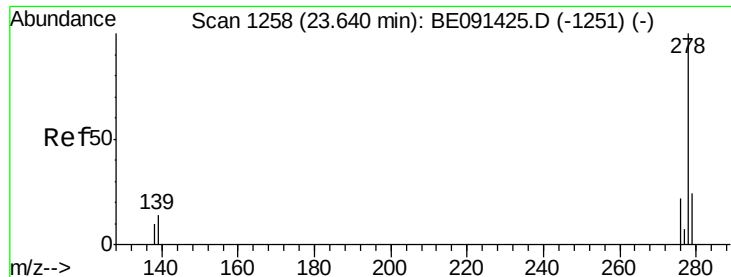


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#29

Dibenzo(a,h)anthracene

Concen: 1.11 ng

RT: 23.63 min Scan# 1257

Delta R.T. -0.01 min

Lab File: BE091426.D

Acq: 3 Mar 2016 17:17

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.8

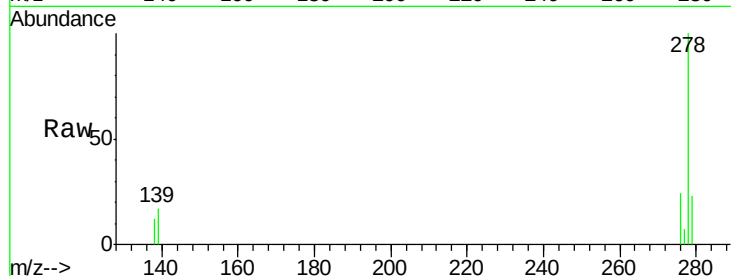
Tgt Ion:278 Resp: 47765

Ion Ratio Lower Upper

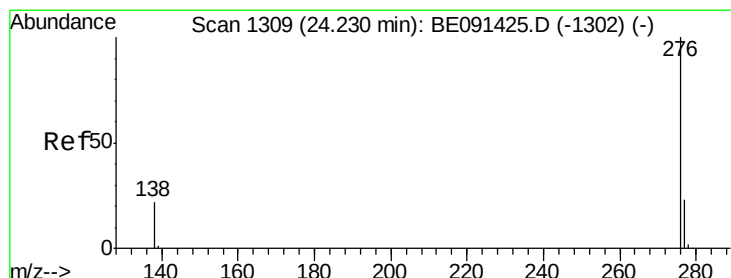
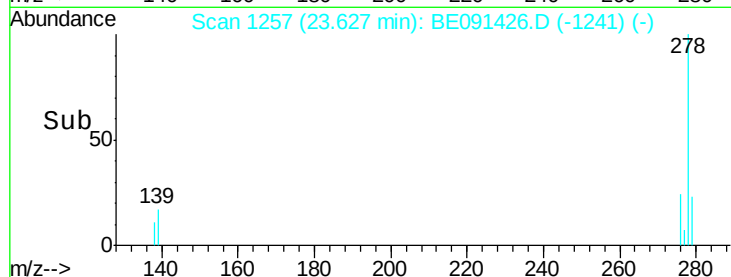
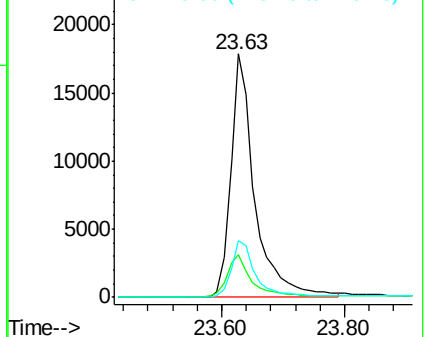
278 100

139 17.3 12.1 18.1

279 23.1 19.4 29.0



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: 0.94 ng

RT: 24.23 min Scan# 1309

Delta R.T. -0.00 min

Lab File: BE091426.D

Acq: 3 Mar 2016 17:17

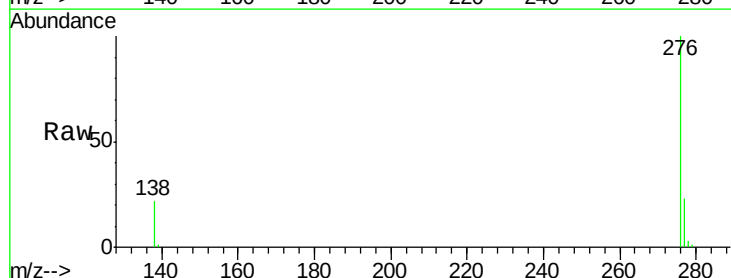
Tgt Ion:276 Resp: 52016

Ion Ratio Lower Upper

276 100

277 23.5 19.0 28.6

138 22.2 18.2 27.4



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

