

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE030316\
 Data File : BE091423.D
 Acq On : 3 Mar 2016 15:24
 Operator : UM/IZ
 Sample : SSTDICC0.1
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.1

Quant Time: Mar 04 06:04:55 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

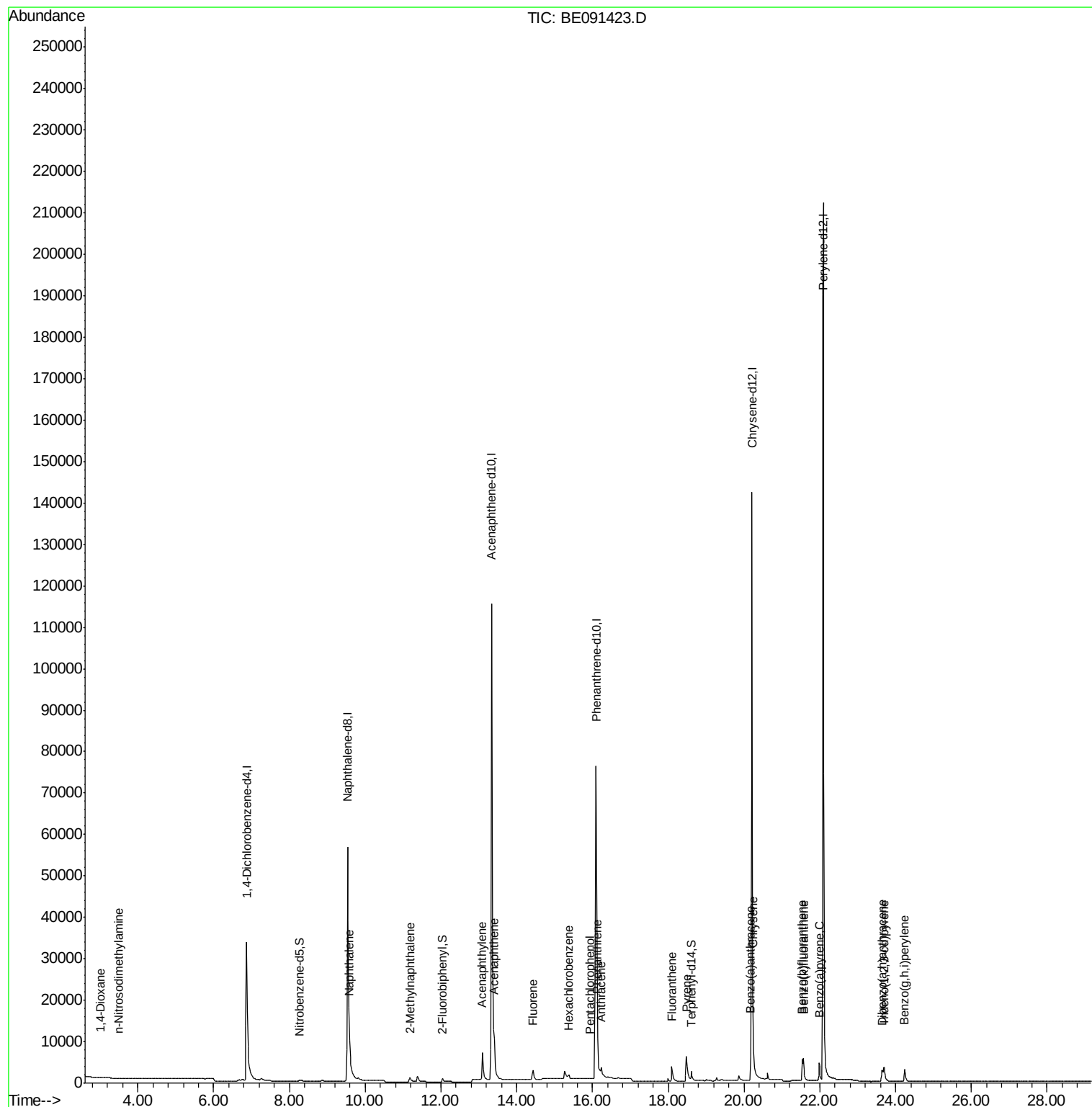
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	27971	5.00	ng	0.00
4) Naphthalene-d8	9.53	136	130816	5.00	ng	0.00
8) Acenaphthene-d10	13.34	164	83785	5.00	ng	0.00
13) Phenanthrene-d10	16.10	188	166823	5.00	ng	0.00
19) Chrysene-d12	20.21	240	228231	5.00	ng	0.00
25) Perylene-d12	22.09	264	268278	5.00	ng	0.00
System Monitoring Compounds						
5) Nitrobenzene-d5	8.27	82	434	0.06	ng	0.09
9) 2-Fluorobiphenyl	12.04	172	1790	0.08	ng	0.03
21) Terphenyl-d14	18.61	244	3329	0.10	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.00	88	255	0.06	ng	# 86
3) n-Nitrosodimethylamine	3.49	42	21	0.05	ng	# 1
6) Naphthalene	9.59	128	3046	0.11	ng	# 91
7) 2-Methylnaphthalene	11.18	142	1693	0.10	ng	# 90
10) Acenaphthylene	13.09	152	12811	0.11	ng	100
11) Acenaphthene	13.41	154	2742	0.13	ng	# 100
12) Fluorene	14.43	166	2914	0.11	ng	99
14) Hexachlorobenzene	15.38	284	1285	0.17	ng	# 100
15) Pentachlorophenol	15.93	266	206m	0.28	ng	
16) Phenanthrene	16.13	178	6216	0.15	ng	98
17) Anthracene	16.23	178	5249m	0.14	ng	
18) Fluoranthene	18.09	202	6021	0.14	ng	98
20) Pyrene	18.48	202	6112	0.12	ng	99
22) Benzo(a)anthracene	20.17	228	7300	0.16	ng	99
23) Chrysene	20.24	228	8804	0.14	ng	98
24) Indeno(1,2,3-cd)pyrene	23.70	276	6518m	0.14	ng	
26) Benzo(b)fluoranthene	21.54	252	7617m	0.14	ng	
27) Benzo(k)fluoranthene	21.57	252	5809m	0.09	ng	
28) Benzo(a)pyrene	21.99	252	5998	0.12	ng	93
29) Dibenzo(a,h)anthracene	23.65	278	5642	0.13	ng	# 92
30) Benzo(g,h,i)perylene	24.24	276	6334	0.12	ng	95

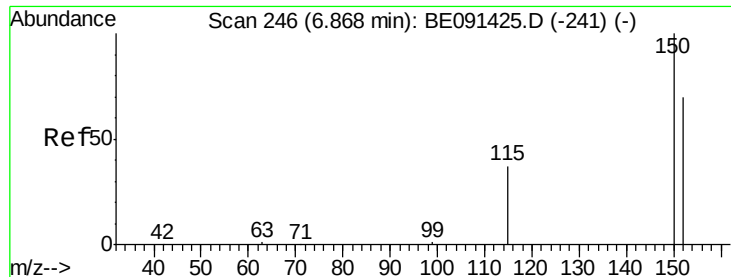
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE091423.D

Acq: 3 Mar 2016 15:24

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.1

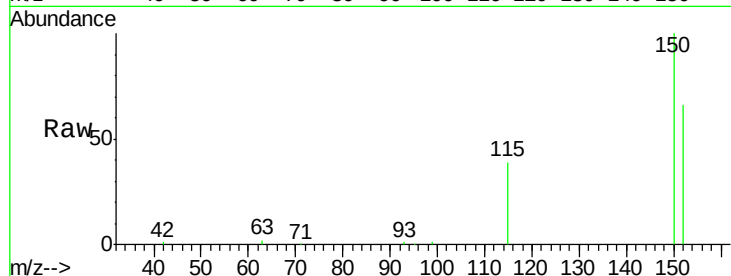
Tgt Ion:152 Resp: 27971

Ion Ratio Lower Upper

152 100

150 150.6 115.0 172.4

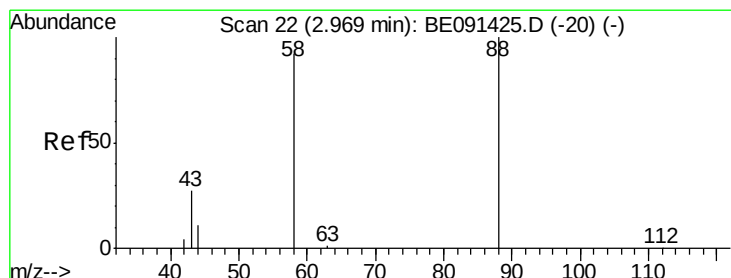
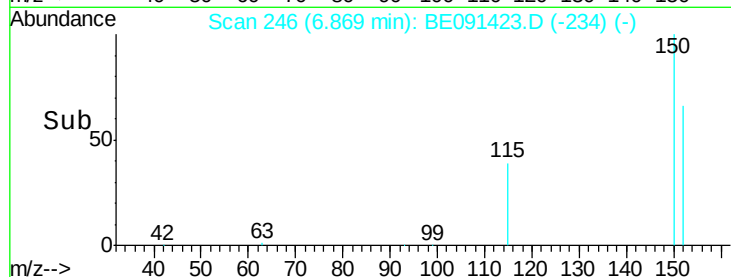
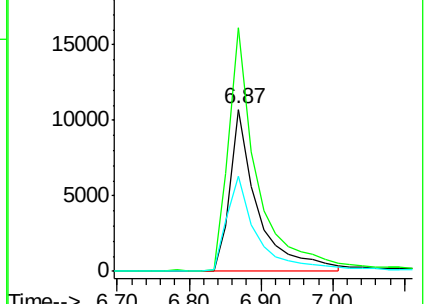
115 58.8 42.2 63.4



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: 0.06 ng

RT: 3.00 min Scan# 24

Delta R.T. 0.03 min

Lab File: BE091423.D

Acq: 3 Mar 2016 15:24

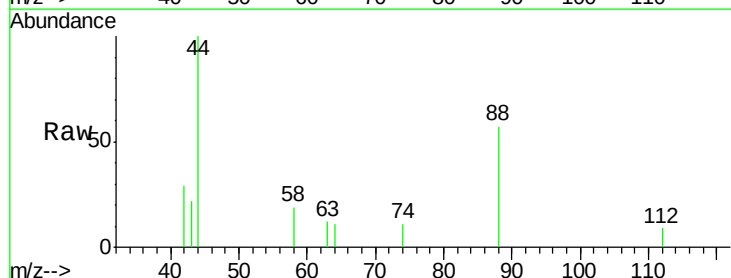
Tgt Ion: 88 Resp: 255

Ion Ratio Lower Upper

88 100

58 105.1 96.9 145.3

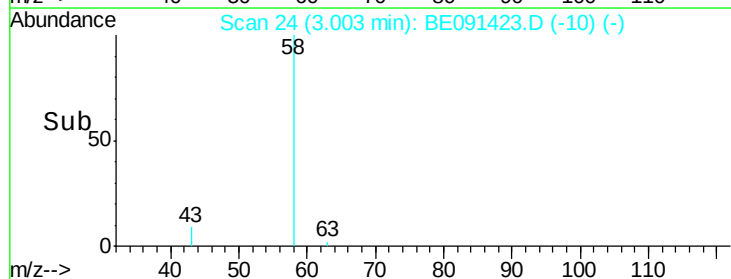
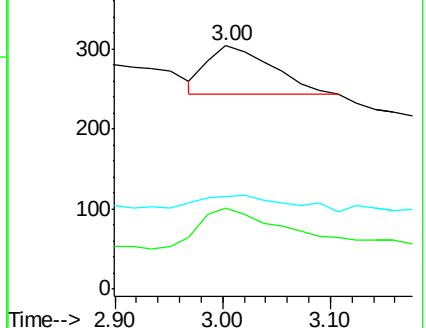
43 44.7 29.3 43.9#

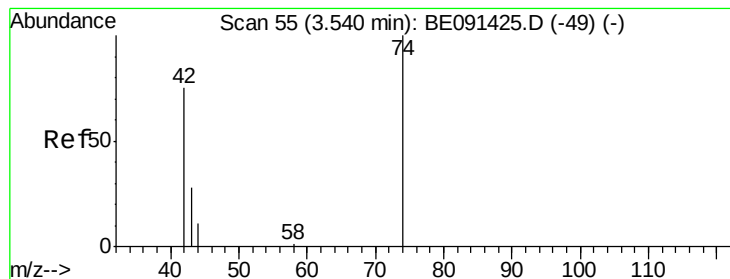


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.05 ng

RT: 3.49 min Scan# 52

Delta R.T. -0.05 min

Lab File: BE091423.D

Acq: 3 Mar 2016 15:24

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.1

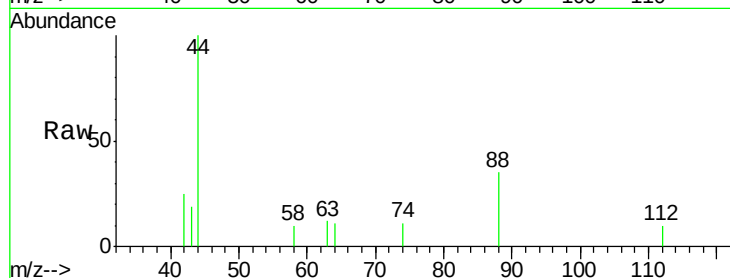
Tgt Ion: 42 Resp: 21

Ion Ratio Lower Upper

42 100

74 0.0 96.6 144.8#

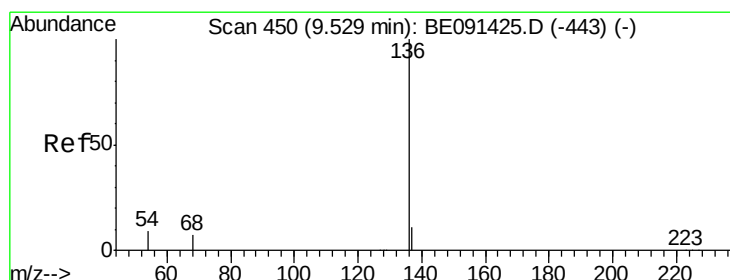
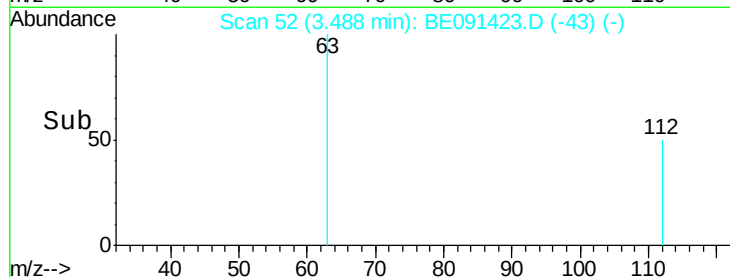
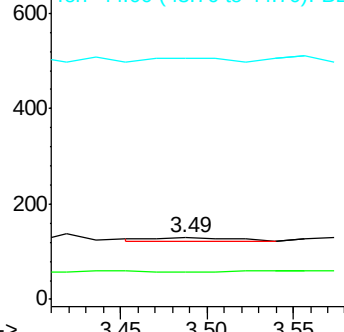
44 161.9 0.0 0.0#



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: BE091423.D

Acq: 3 Mar 2016 15:24

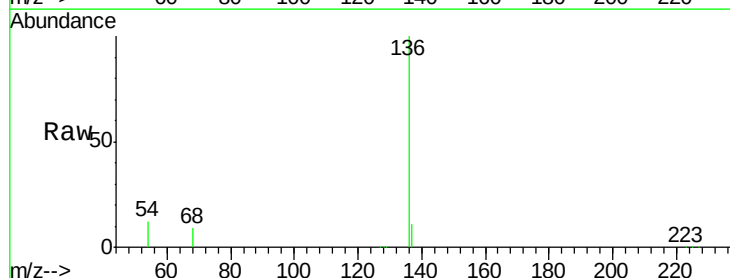
Tgt Ion: 136 Resp: 130816

Ion Ratio Lower Upper

136 100

137 10.5 8.7 13.1

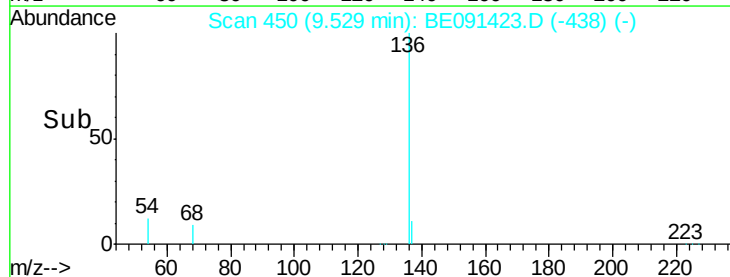
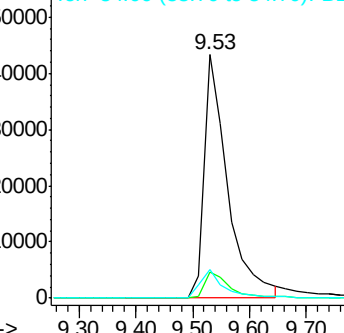
54 11.8 6.9 10.3#

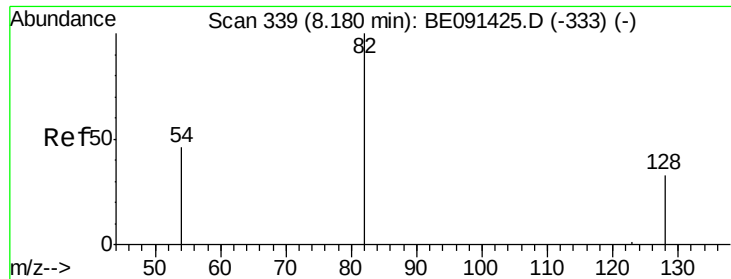


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0





#5

Nitrobenzene-d5

Concen: 0.06 ng

RT: 8.27 min Scan# 347

Delta R.T. 0.09 min

Lab File: BE091423.D

Acq: 3 Mar 2016 15:24

Instrument :

BNA_E

ClientSampleId :

SSTDICC0.1

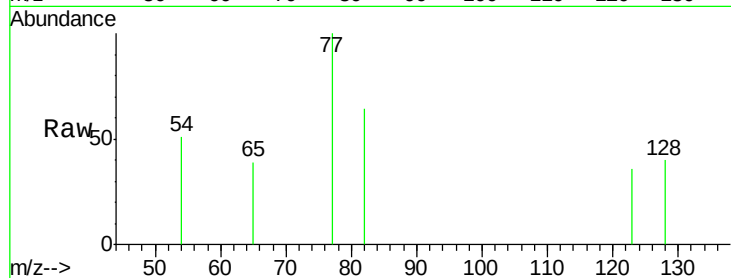
Tgt Ion: 82 Resp: 434

Ion Ratio Lower Upper

82 100

128 61.7 30.0 45.0#

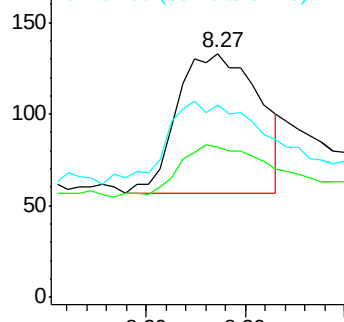
54 78.9 41.5 62.3#



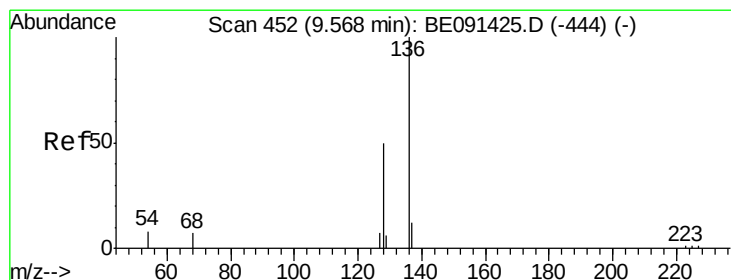
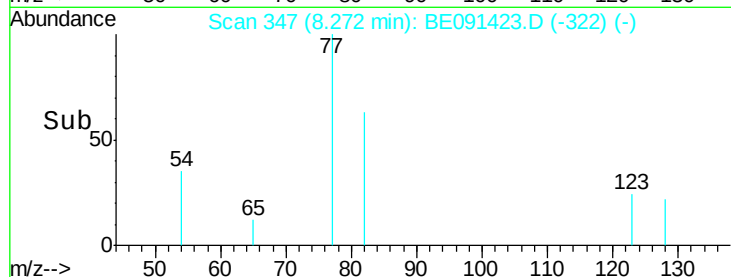
Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): BE0

Ion 54.00 (53.70 to 54.70): BE0



Time-->



#6

Naphthalene

Concen: 0.11 ng

RT: 9.59 min Scan# 453

Delta R.T. 0.02 min

Lab File: BE091423.D

Acq: 3 Mar 2016 15:24

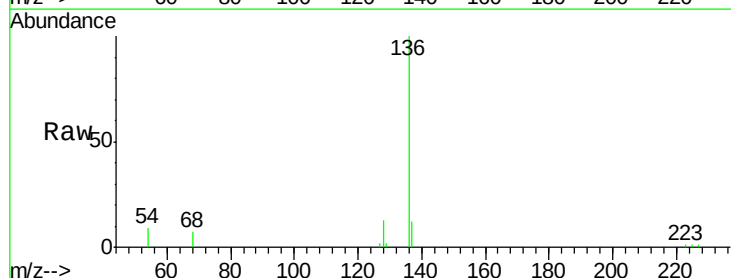
Tgt Ion: 128 Resp: 3046

Ion Ratio Lower Upper

128 100

129 16.8 9.5 14.3#

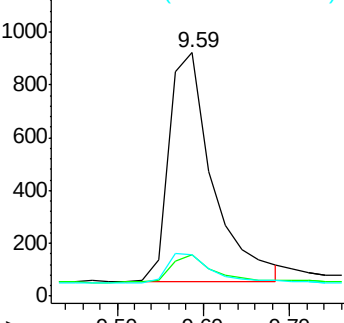
127 16.7 11.4 17.0



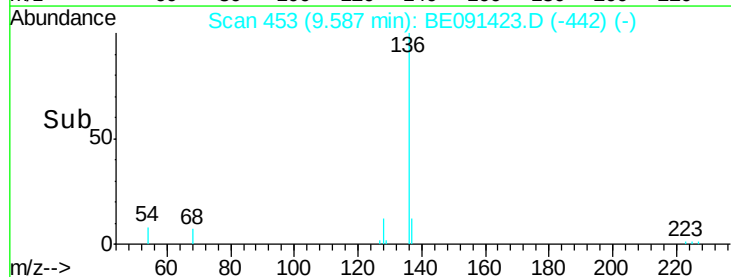
Abundance Ion 128.00 (127.70 to 128.70): E

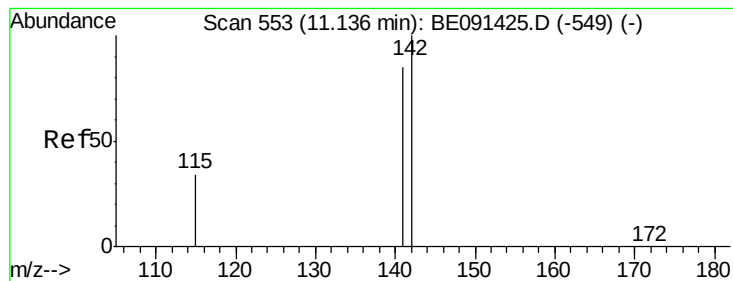
Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



Time-->





#7

2-Methylnaphthalene

Concen: 0.10 ng

RT: 11.18 min Scan# 557

Delta R.T. 0.05 min

Lab File: BE091423.D

Acq: 3 Mar 2016 15:24

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.1

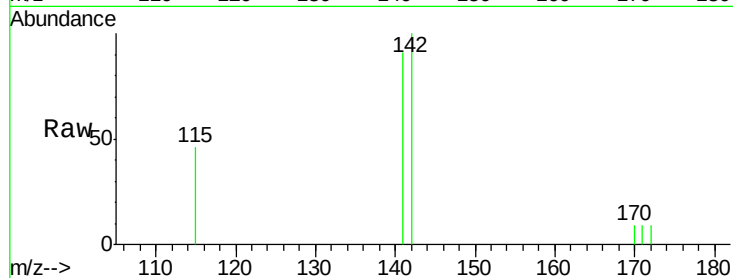
Tgt Ion:142 Resp: 1693

Ion Ratio Lower Upper

142 100

141 91.0 68.3 102.5

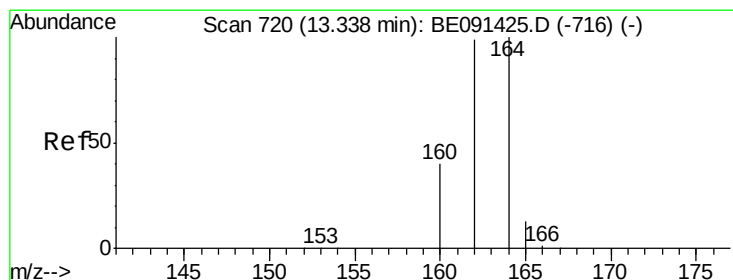
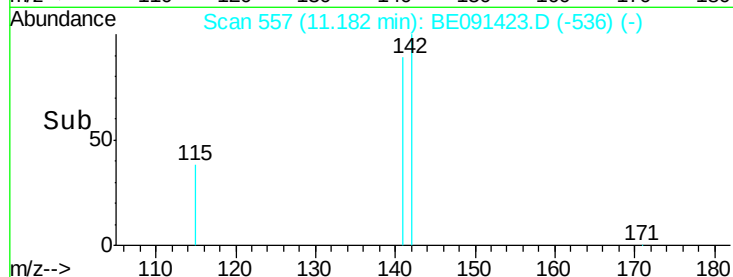
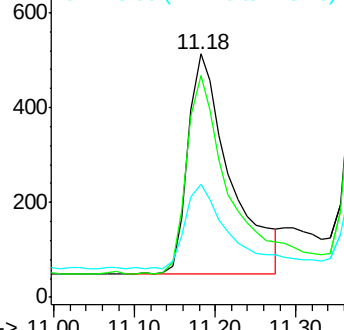
115 46.4 28.9 43.3#



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: BE091423.D

Acq: 3 Mar 2016 15:24

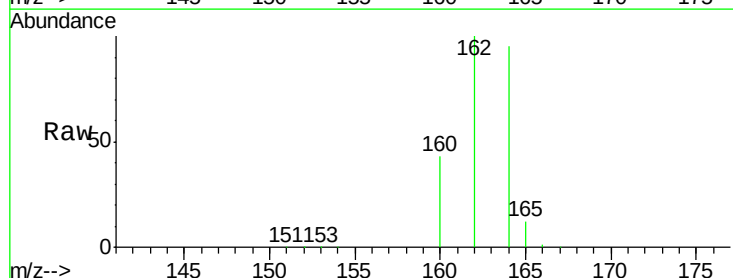
Tgt Ion:164 Resp: 83785

Ion Ratio Lower Upper

164 100

162 105.5 79.1 118.7

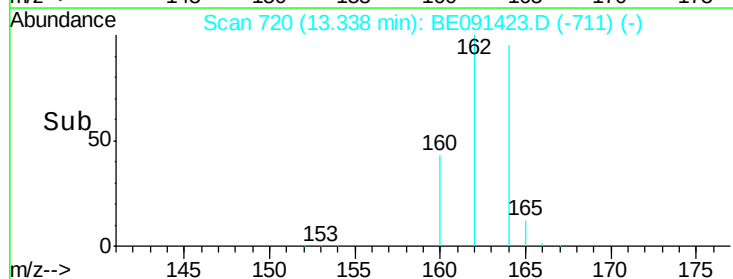
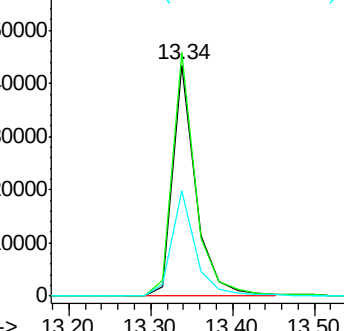
160 45.6 32.4 48.6

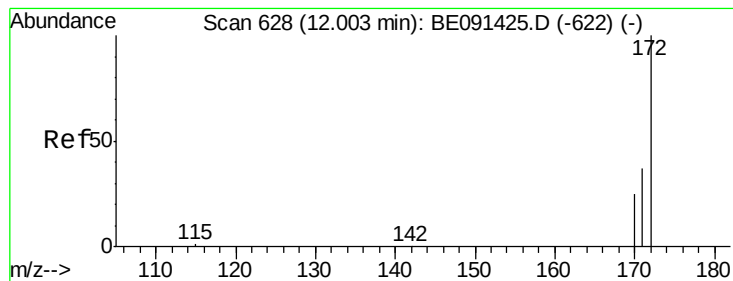


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#9

2-Fluorobiphenyl

Concen: 0.08 ng

RT: 12.04 min Scan# 631

Delta R.T. 0.03 min

Lab File: BE091423.D

Acq: 3 Mar 2016 15:24

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.1

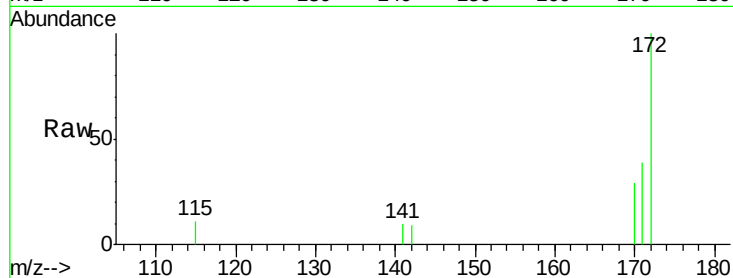
Tgt Ion:172 Resp: 1790

Ion Ratio Lower Upper

172 100

171 39.2 30.2 45.4

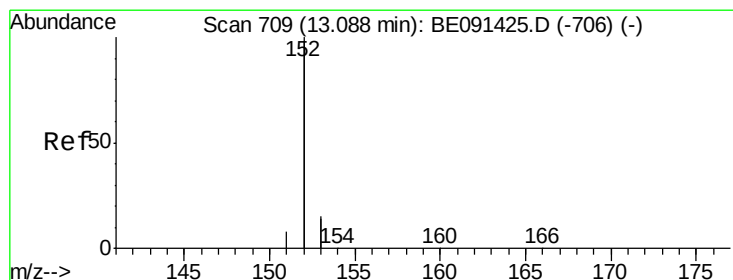
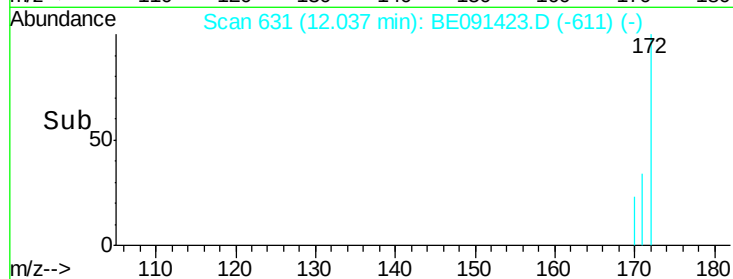
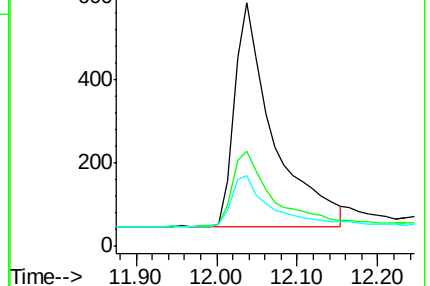
170 29.3 20.9 31.3



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: 0.11 ng

RT: 13.09 min Scan# 709

Delta R.T. -0.00 min

Lab File: BE091423.D

Acq: 3 Mar 2016 15:24

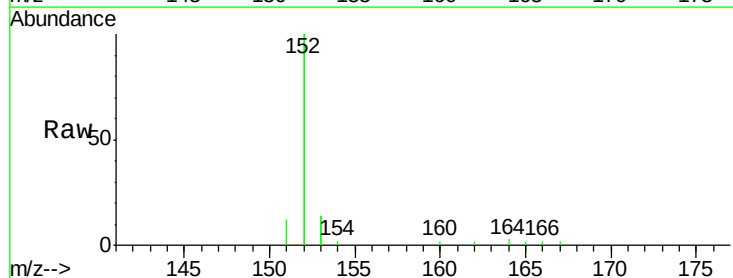
Tgt Ion:152 Resp: 12811

Ion Ratio Lower Upper

152 100

151 5.1 3.9 5.9

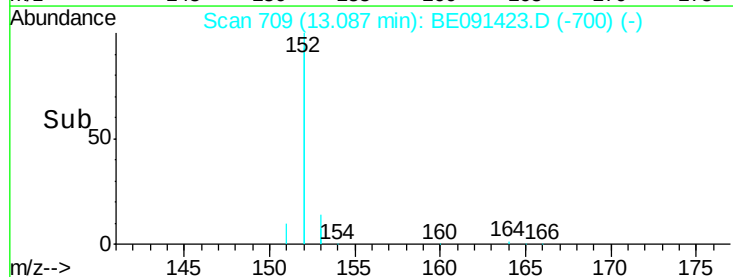
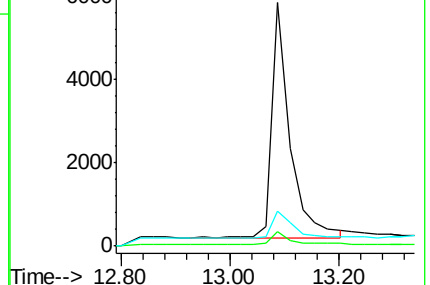
153 13.0 10.5 15.7

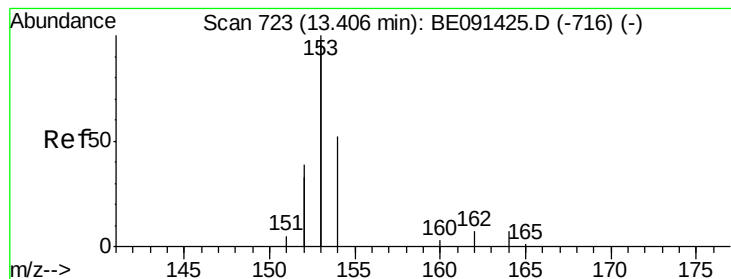


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#11

Acenaphthene

Concen: 0.13 ng

RT: 13.41 min Scan# 723

Delta R.T. -0.00 min

Lab File: BE091423.D

Acq: 3 Mar 2016 15:24

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.1

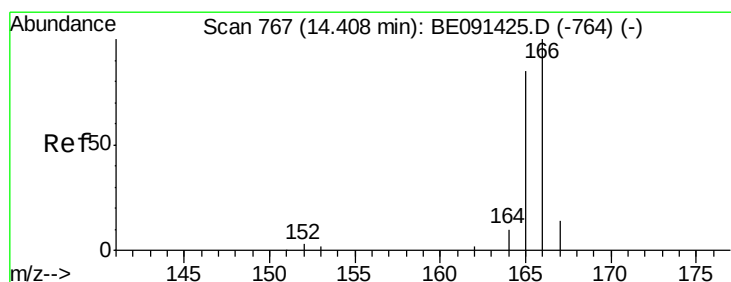
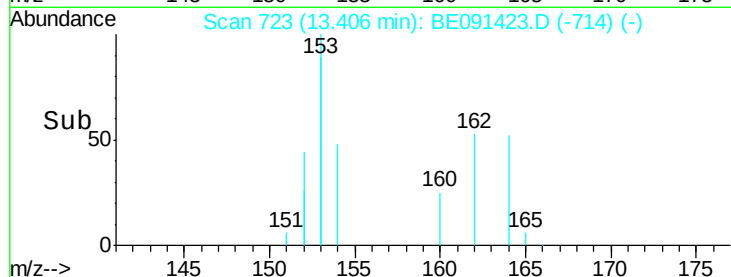
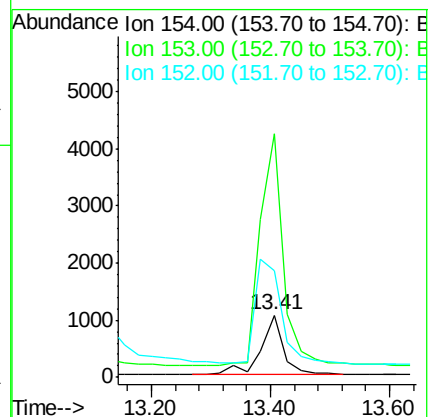
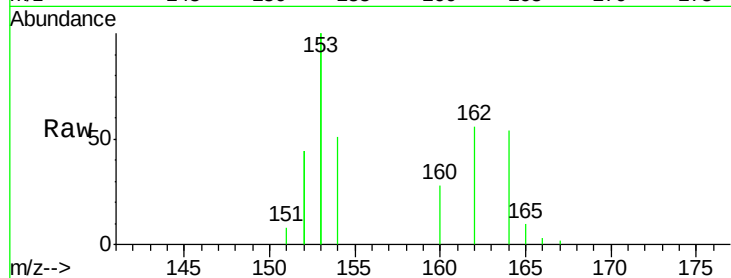
Tgt Ion:154 Resp: 2742

Ion Ratio Lower Upper

154 100

153 401.2 0.0 0.0#

152 0.0 0.0 0.0



#12

Fluorene

Concen: 0.11 ng

RT: 14.43 min Scan# 768

Delta R.T. 0.02 min

Lab File: BE091423.D

Acq: 3 Mar 2016 15:24

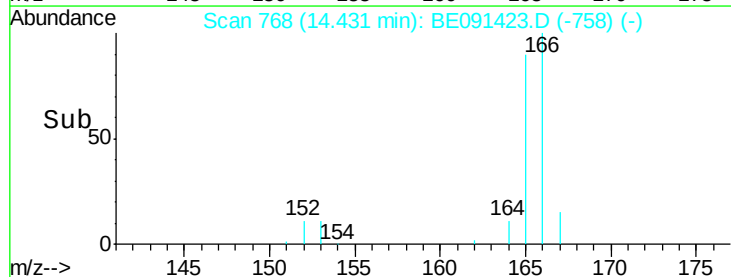
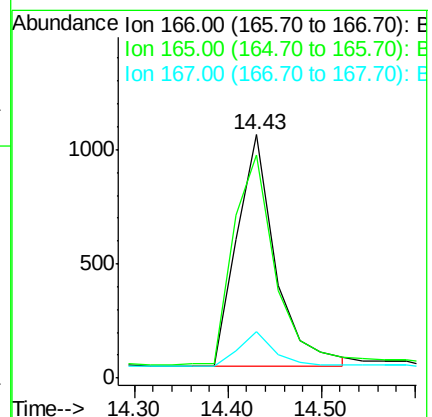
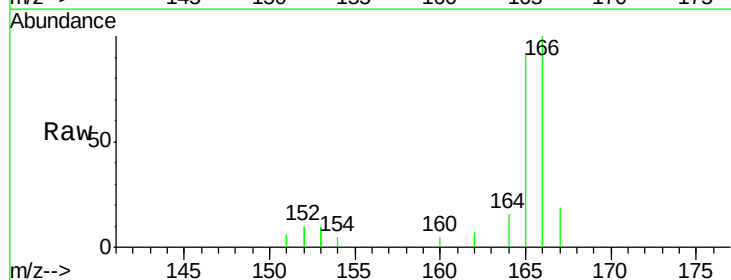
Tgt Ion:166 Resp: 2914

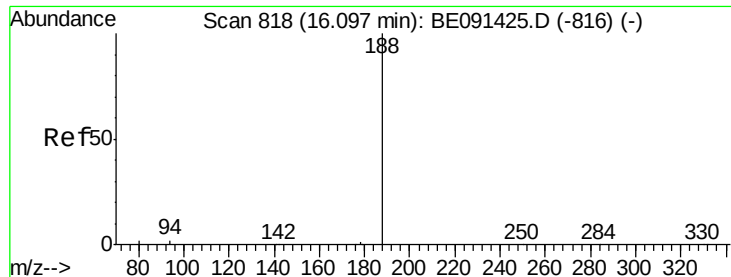
Ion Ratio Lower Upper

166 100

165 98.4 79.4 119.2

167 13.9 10.7 16.1

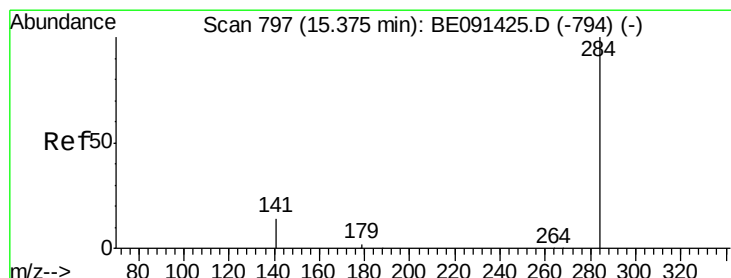
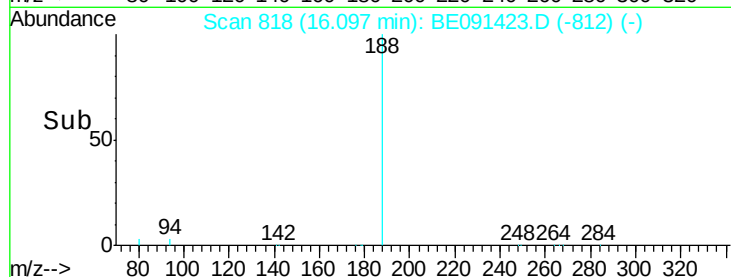
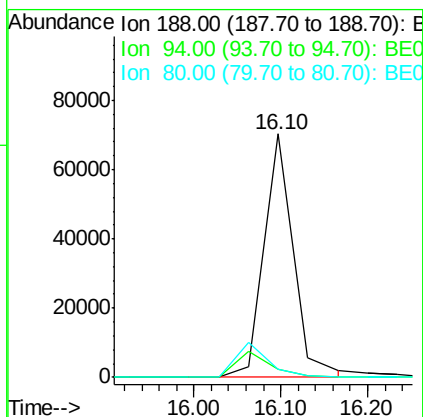
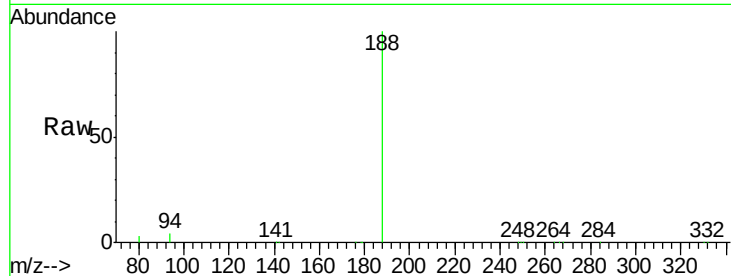




#13
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.10 min Scan# 818
Delta R.T. 0.00 min
Lab File: BE091423.D
Acq: 3 Mar 2016 15:24

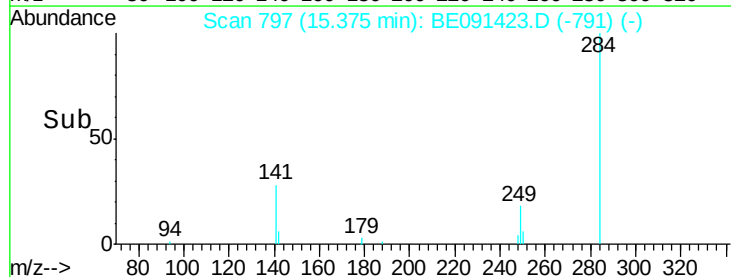
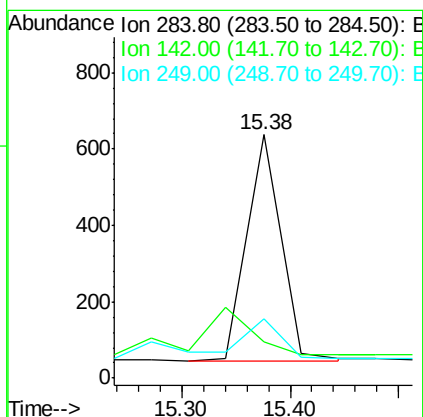
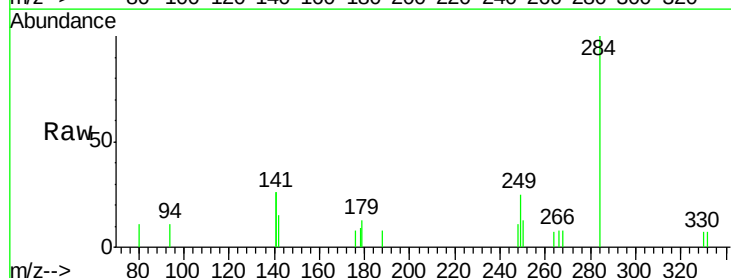
Instrument :
BNA_E
ClientSampleId :
SSTDIC0.1

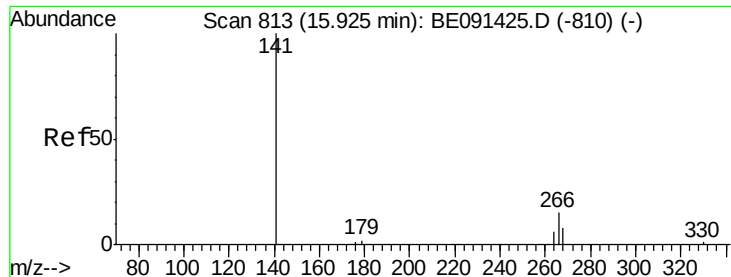
Tgt Ion:188 Resp: 166823
Ion Ratio Lower Upper
188 100
94 3.5 2.1 3.1#
80 3.5 1.9 2.9#



#14
Hexachlorobenzene
Concen: 0.17 ng
RT: 15.38 min Scan# 797
Delta R.T. 0.00 min
Lab File: BE091423.D
Acq: 3 Mar 2016 15:24

Tgt Ion:284 Resp: 1285
Ion Ratio Lower Upper
284 100
142 0.0 0.0 0.0
249 31.4 0.0 0.0#

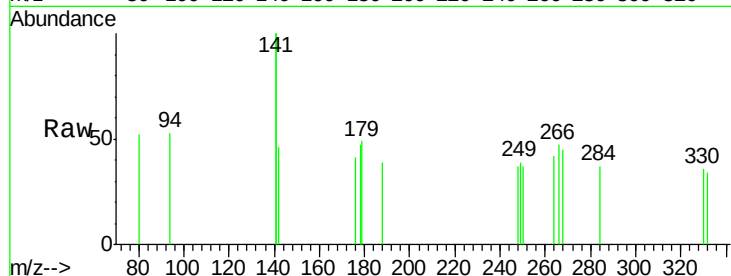




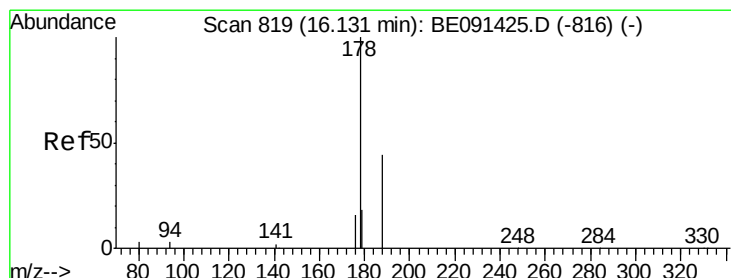
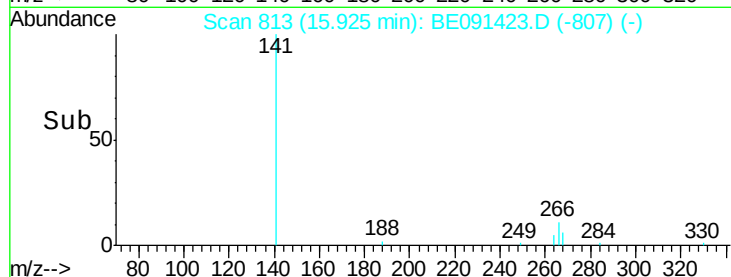
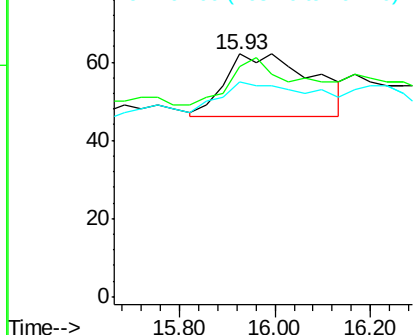
#15
 Pentachlorophenol
 Concen: 0.28 ng m
 RT: 15.93 min Scan# 813
 Delta R.T. 0.00 min
 Lab File: BE091423.D
 Acq: 3 Mar 2016 15:24

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.1

Tgt Ion: 266 Resp: 206
 Ion Ratio Lower Upper
 266 100
 268 95.2 73.0 109.6
 264 88.7 66.1 99.1

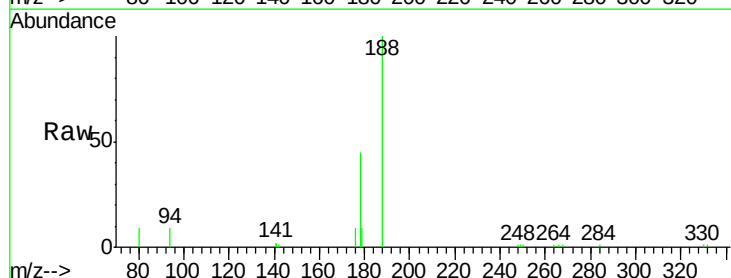


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

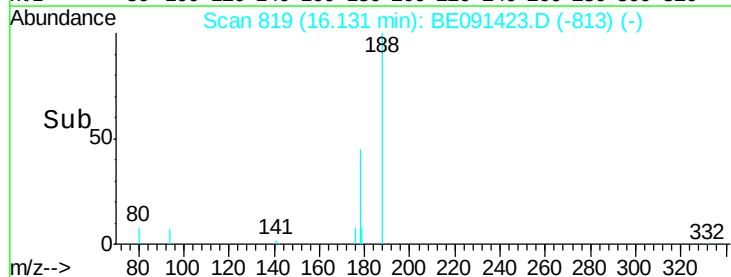
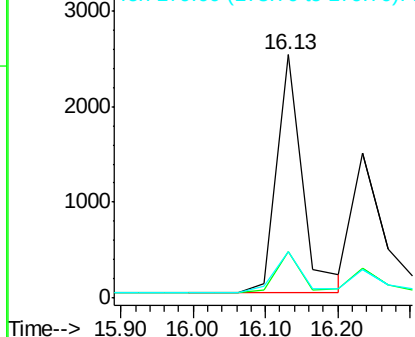


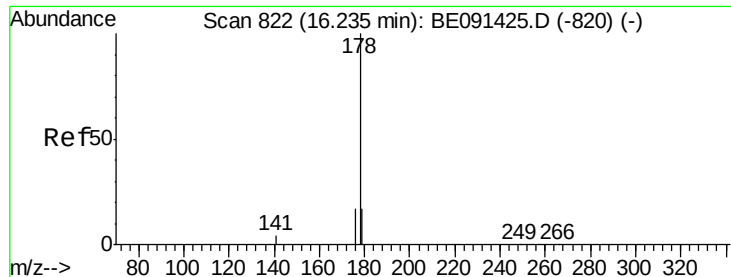
#16
 Phenanthrene
 Concen: 0.15 ng
 RT: 16.13 min Scan# 819
 Delta R.T. 0.00 min
 Lab File: BE091423.D
 Acq: 3 Mar 2016 15:24

Tgt Ion: 178 Resp: 6216
 Ion Ratio Lower Upper
 178 100
 176 16.5 13.8 20.8
 179 18.6 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

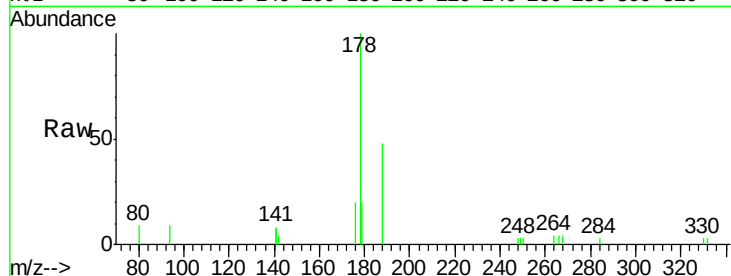




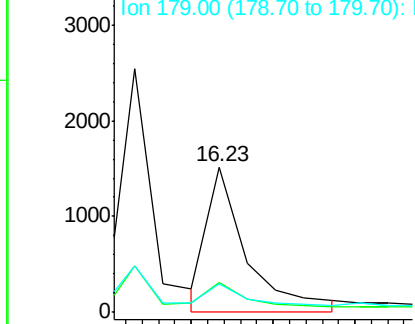
#17
 Anthracene
 Concen: 0.14 ng m
 RT: 16.23 min Scan# 822
 Delta R.T. 0.00 min
 Lab File: BE091423.D
 Acq: 3 Mar 2016 15:24

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.1

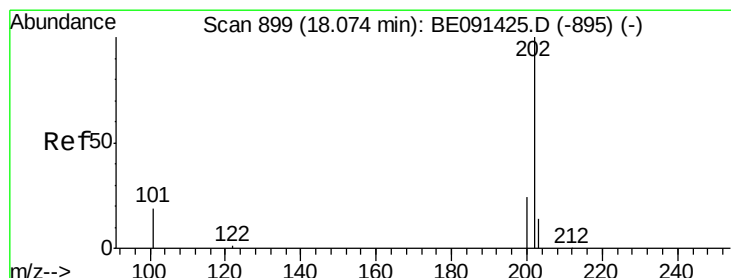
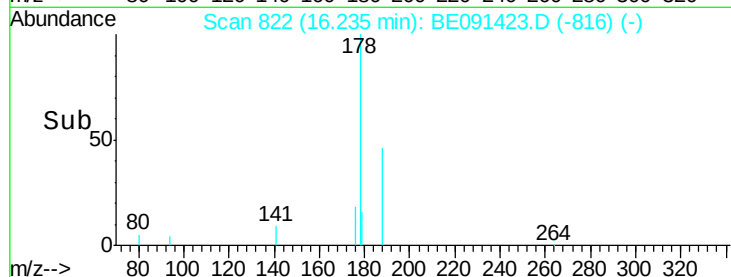
Tgt Ion:178 Resp: 5249
 Ion Ratio Lower Upper
 178 100
 176 10.8 23.5 35.3#
 179 10.1 14.3 21.5#



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

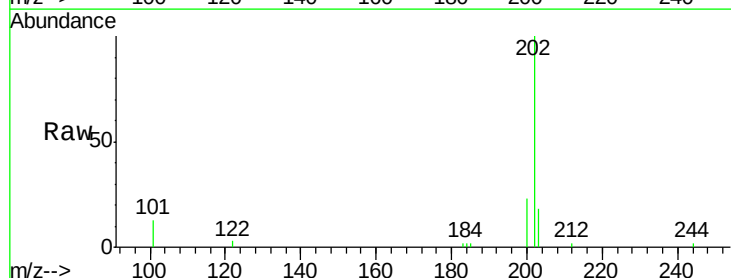


Time-->

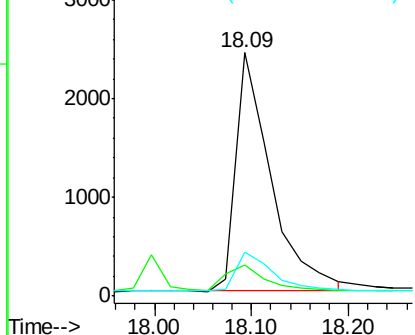


#18
 Fluoranthene
 Concen: 0.14 ng
 RT: 18.09 min Scan# 900
 Delta R.T. 0.02 min
 Lab File: BE091423.D
 Acq: 3 Mar 2016 15:24

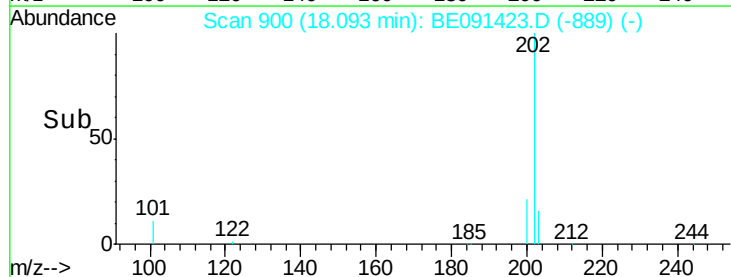
Tgt Ion:202 Resp: 6021
 Ion Ratio Lower Upper
 202 100
 101 12.0 11.0 16.4
 203 17.6 13.7 20.5

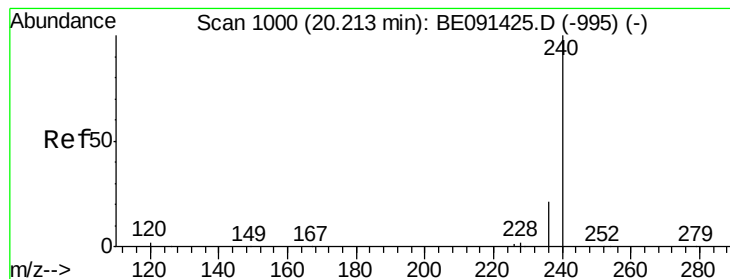


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E



Time-->





#19

Chrysene-d12

Concen: 5.00 ng

RT: 20.21 min Scan# 1000

Delta R.T. -0.00 min

Lab File: BE091423.D

Acq: 3 Mar 2016 15:24

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.1

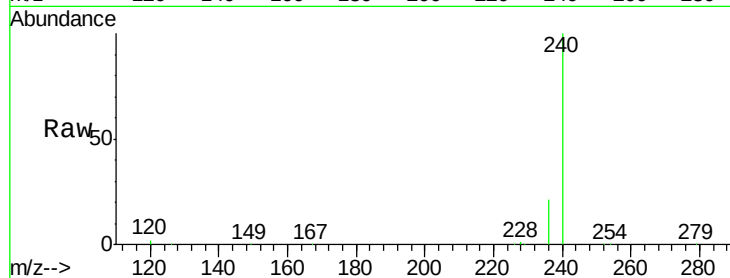
Tgt Ion:240 Resp: 228231

Ion Ratio Lower Upper

240 100

120 1.9 1.4 2.0

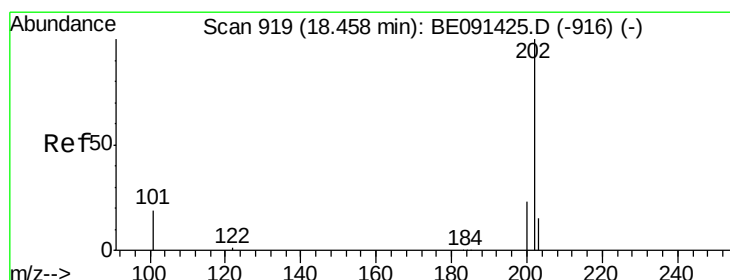
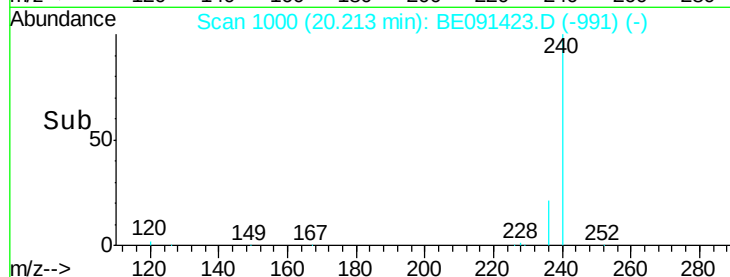
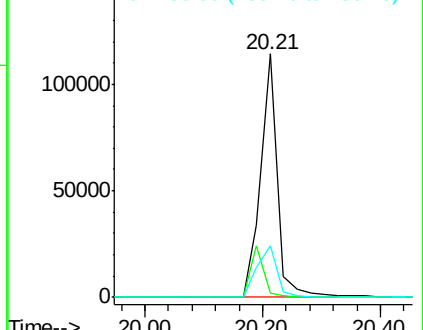
236 21.4 16.7 25.1



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: 0.12 ng

RT: 18.48 min Scan# 920

Delta R.T. 0.02 min

Lab File: BE091423.D

Acq: 3 Mar 2016 15:24

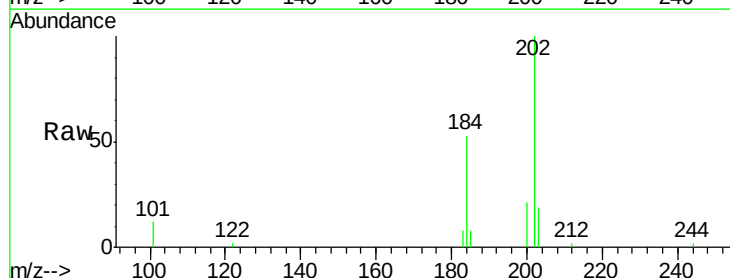
Tgt Ion:202 Resp: 6112

Ion Ratio Lower Upper

202 100

200 20.8 16.5 24.7

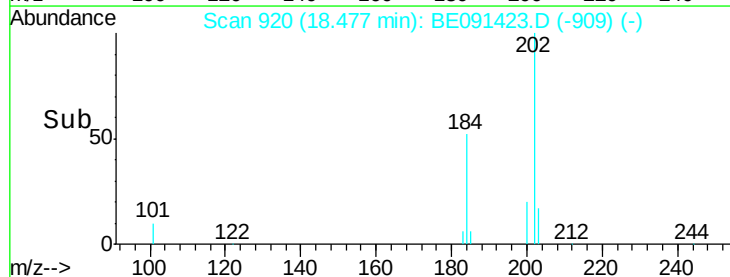
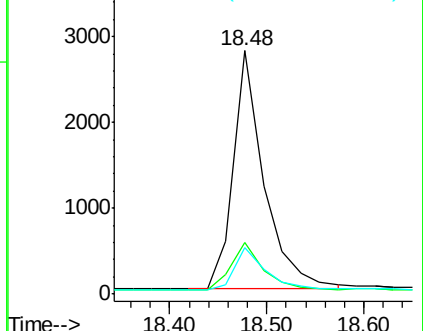
203 17.4 13.8 20.6

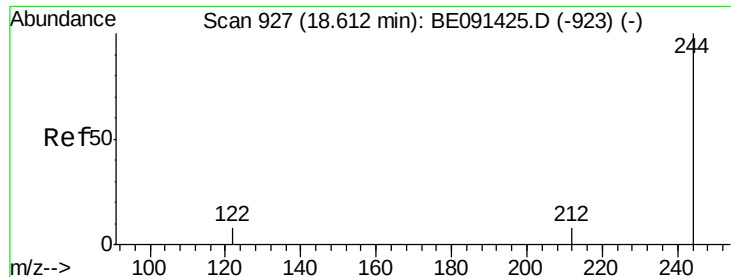


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

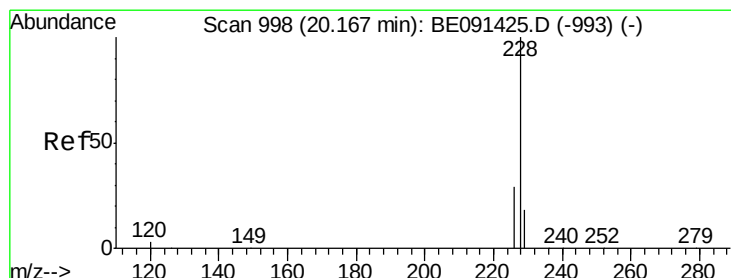
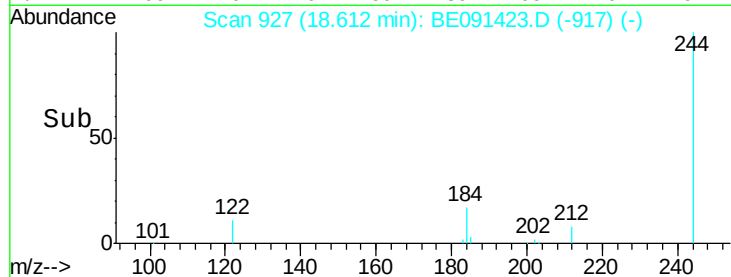
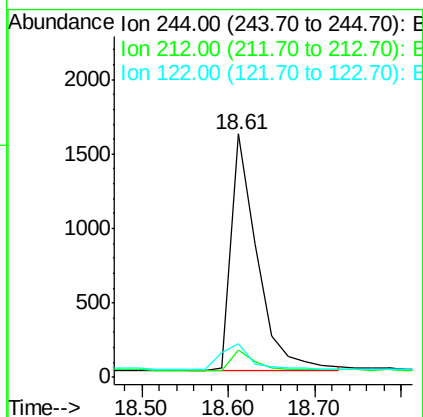
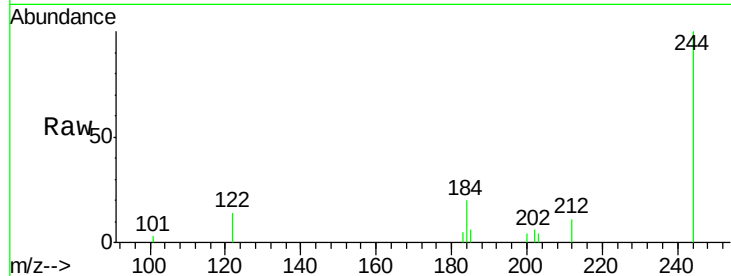




#21
 Terphenyl-d14
 Concen: 0.10 ng
 RT: 18.61 min Scan# 927
 Delta R.T. -0.00 min
 Lab File: BE091423.D
 Acq: 3 Mar 2016 15:24

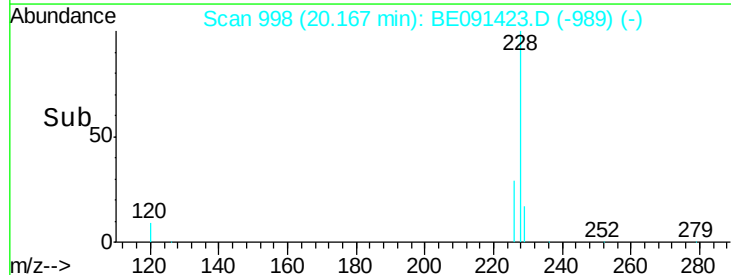
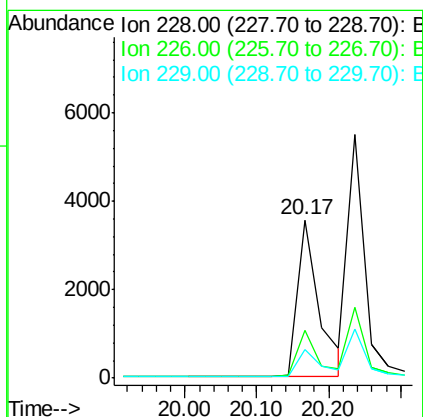
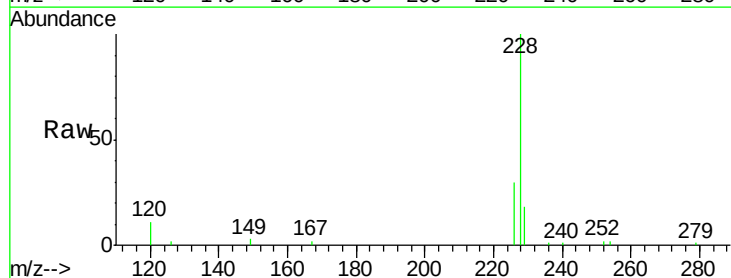
Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.1

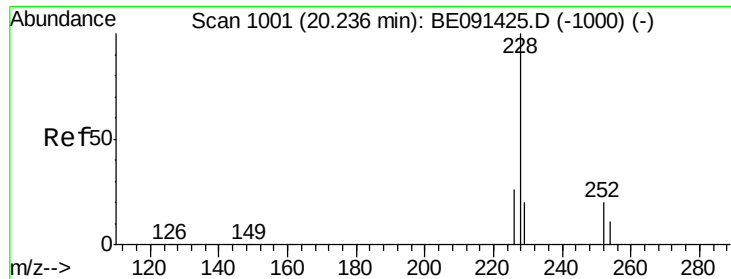
Tgt Ion:244 Resp: 3329
 Ion Ratio Lower Upper
 244 100
 212 11.2 7.0 10.6#
 122 13.9 6.8 10.2#



#22
 Benzo(a)anthracene
 Concen: 0.16 ng
 RT: 20.17 min Scan# 998
 Delta R.T. -0.00 min
 Lab File: BE091423.D
 Acq: 3 Mar 2016 15:24

Tgt Ion:228 Resp: 7300
 Ion Ratio Lower Upper
 228 100
 226 30.0 23.1 34.7
 229 18.2 14.5 21.7

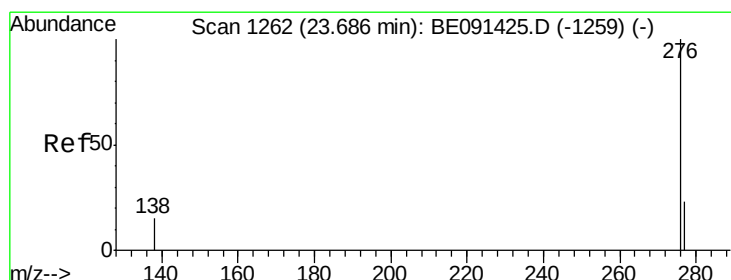
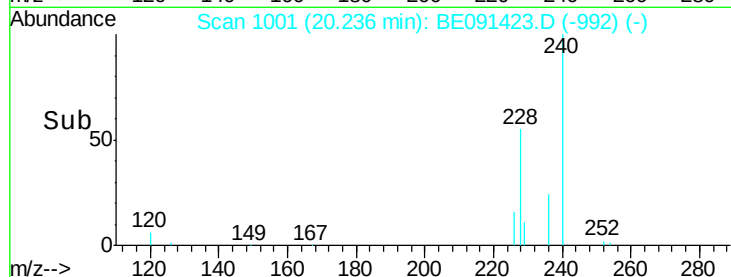
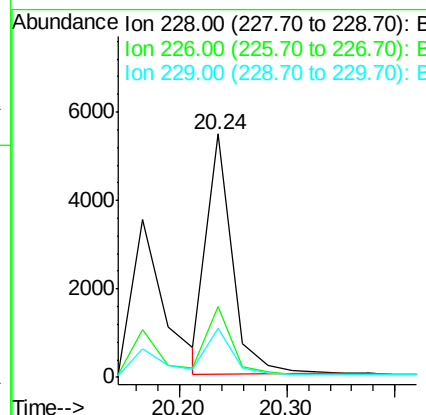
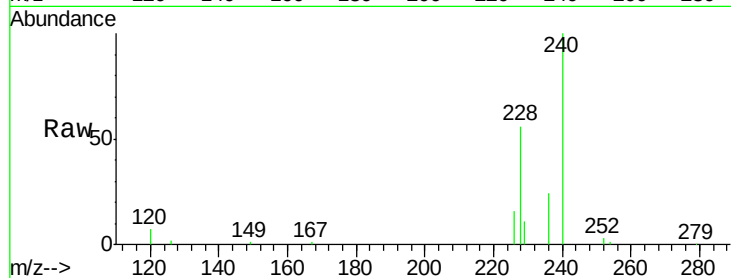




#23
Chrysene
 Concen: 0.14 ng
 RT: 20.24 min Scan# 1001
 Delta R.T. -0.00 min
 Lab File: BE091423.D
 Acq: 3 Mar 2016 15:24

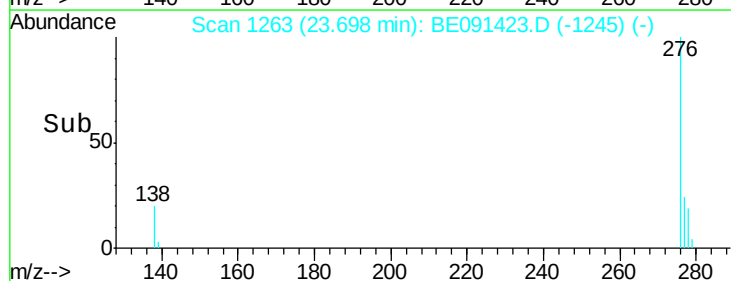
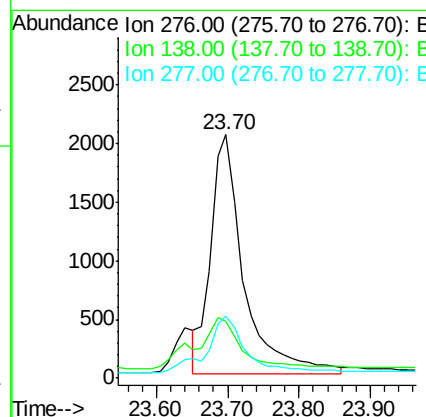
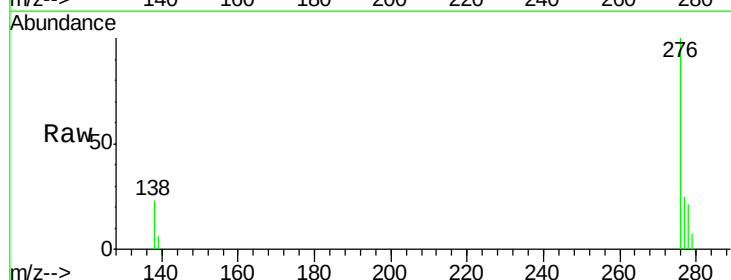
Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.1

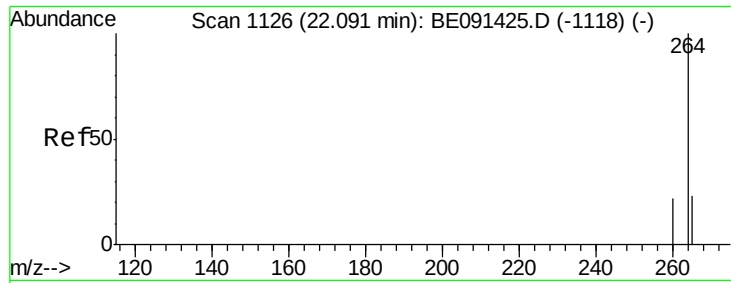
Tgt Ion: 228 Resp: 8804
 Ion Ratio Lower Upper
 228 100
 226 28.9 22.0 33.0
 229 20.0 16.2 24.2



#24
Indeno(1,2,3-cd)pyrene
 Concen: 0.14 ng m
 RT: 23.70 min Scan# 1263
 Delta R.T. 0.01 min
 Lab File: BE091423.D
 Acq: 3 Mar 2016 15:24

Tgt Ion: 276 Resp: 6518
 Ion Ratio Lower Upper
 276 100
 138 29.0 15.9 23.9#
 277 27.2 22.4 33.6





#25

Perylene-d12

Concen: 5.00 ng

RT: 22.09 min Scan# 1126

Delta R.T. 0.00 min

Lab File: BE091423.D

Acq: 3 Mar 2016 15:24

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.1

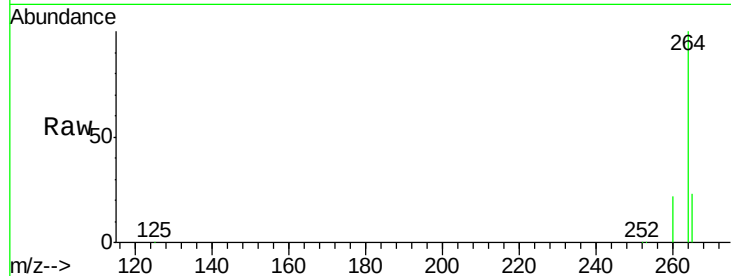
Tgt Ion:264 Resp: 268278

Ion Ratio Lower Upper

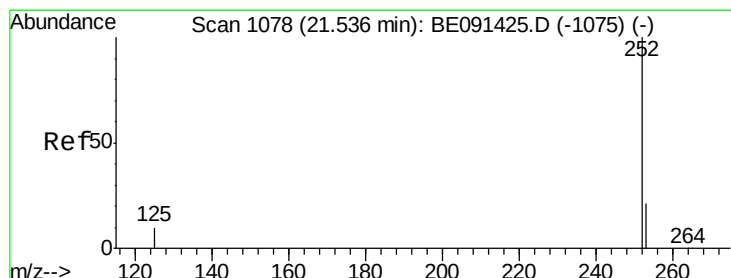
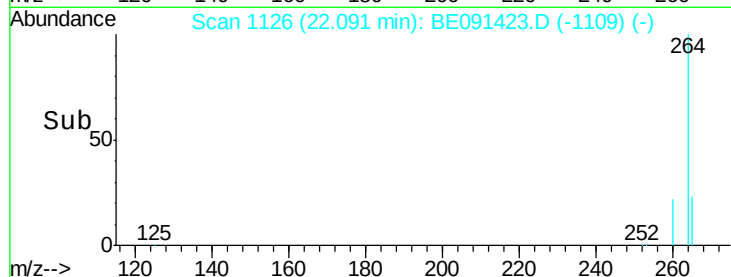
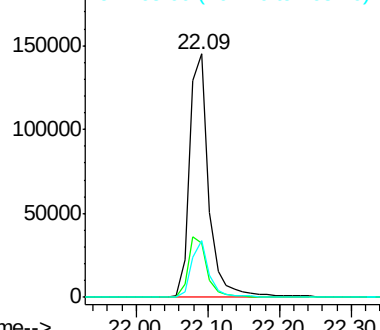
264 100

260 22.2 18.0 27.0

265 23.5 18.2 27.4



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



#26

Benzo(b)fluoranthene

Concen: 0.14 ng m

RT: 21.54 min Scan# 1078

Delta R.T. 0.00 min

Lab File: BE091423.D

Acq: 3 Mar 2016 15:24

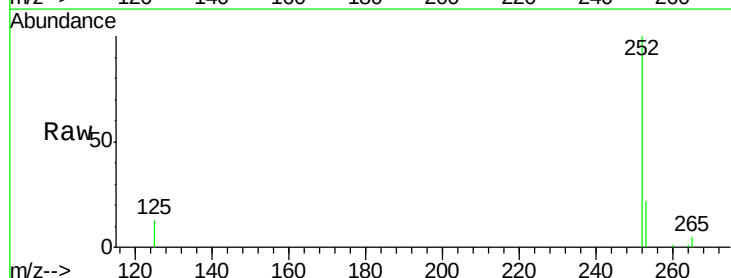
Tgt Ion:252 Resp: 7617

Ion Ratio Lower Upper

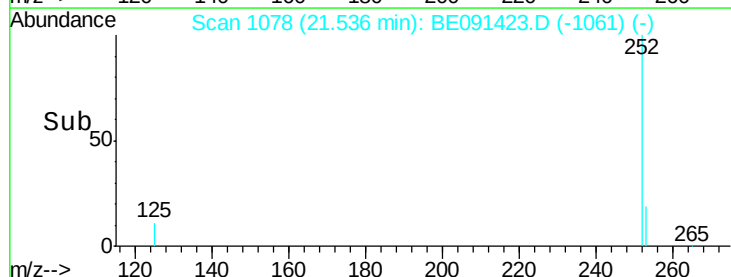
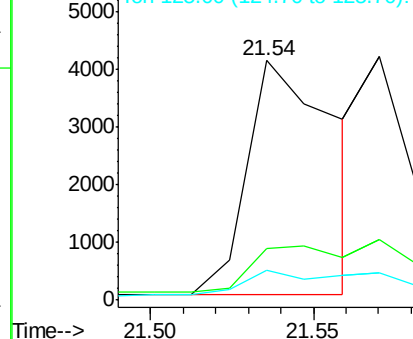
252 100

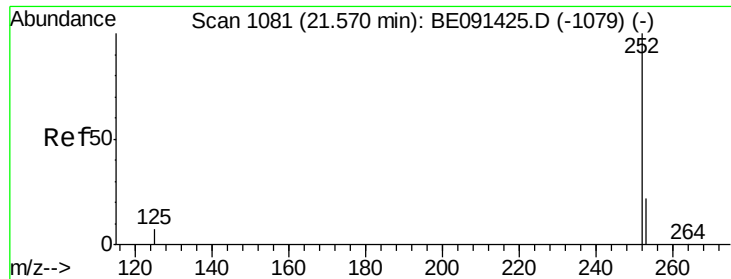
253 21.8 17.0 25.4

125 12.7 8.3 12.5#



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

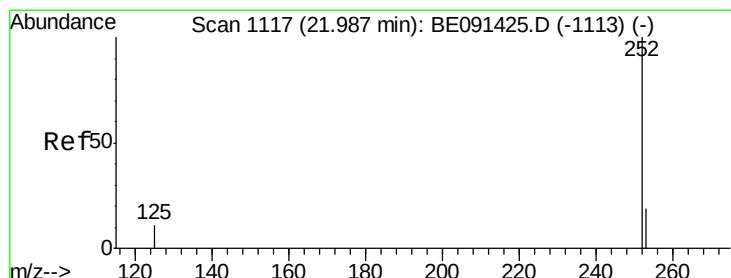
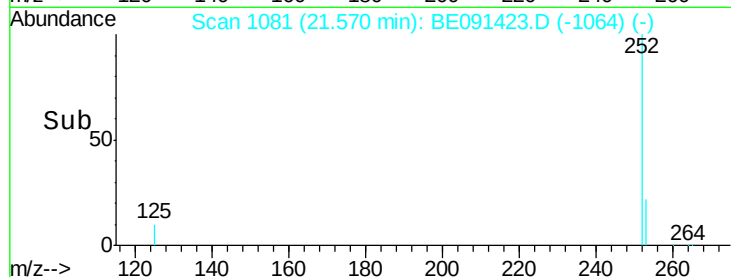
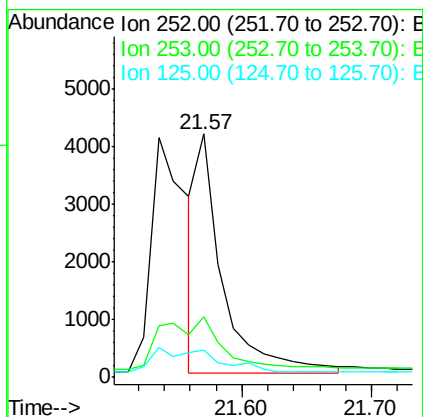
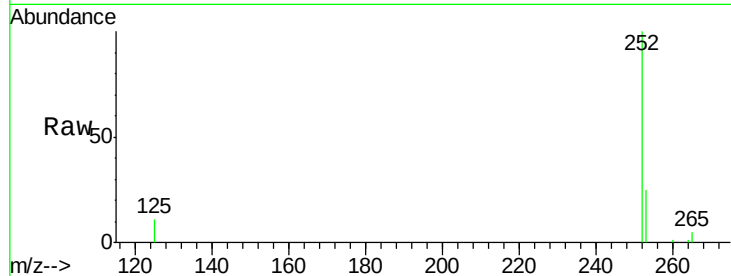




#27
Benzo(k)fluoranthene
Concen: 0.09 ng m
RT: 21.57 min Scan# 1081
Delta R.T. 0.00 min
Lab File: BE091423.D
Acq: 3 Mar 2016 15:24

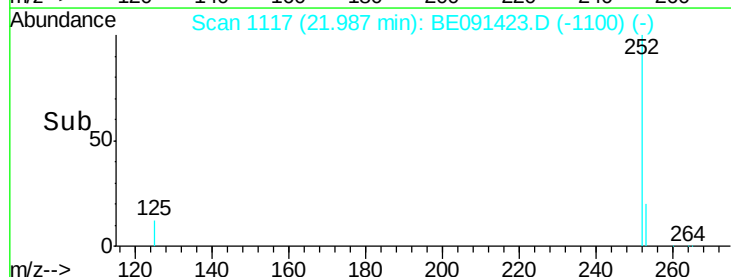
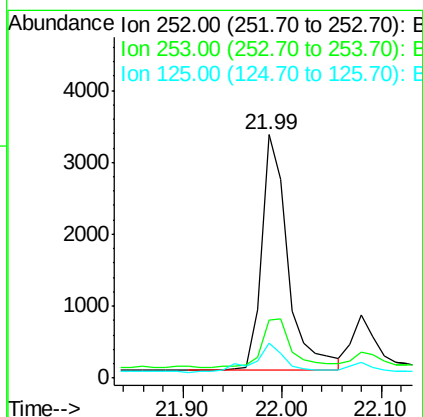
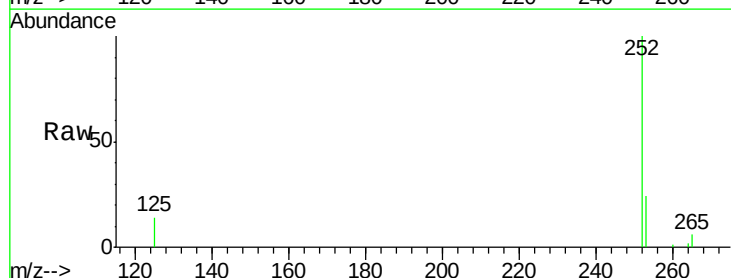
Instrument :
BNA_E
ClientSampleId :
SSTDIC0.1

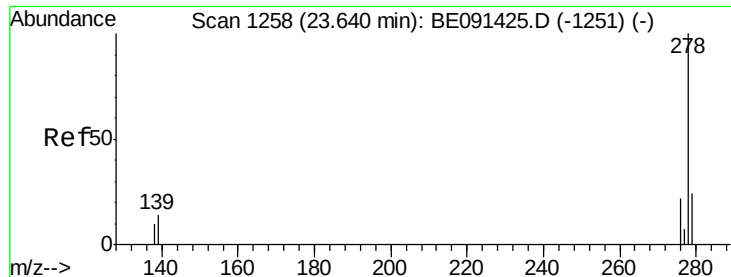
Tgt Ion:252 Resp: 5809
Ion Ratio Lower Upper
252 100
253 24.8 19.5 29.3
125 11.3 7.3 10.9#



#28
Benzo(a)pyrene
Concen: 0.12 ng
RT: 21.99 min Scan# 1117
Delta R.T. 0.00 min
Lab File: BE091423.D
Acq: 3 Mar 2016 15:24

Tgt Ion:252 Resp: 5998
Ion Ratio Lower Upper
252 100
253 23.7 16.2 24.4
125 14.4 9.6 14.4





#29

Dibenzo(a,h)anthracene

Concen: 0.13 ng

RT: 23.65 min Scan# 1259

Delta R.T. 0.01 min

Lab File: BE091423.D

Acq: 3 Mar 2016 15:24

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.1

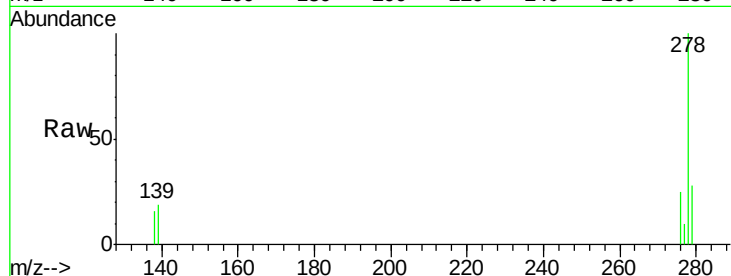
Tgt Ion: 278 Resp: 5642

Ion Ratio Lower Upper

278 100

139 19.2 12.1 18.1#

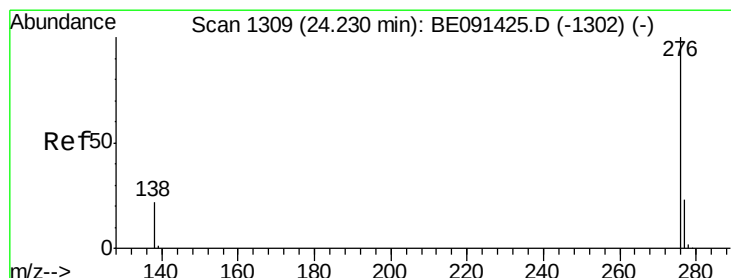
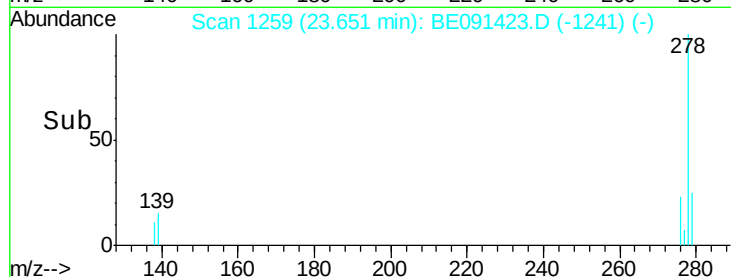
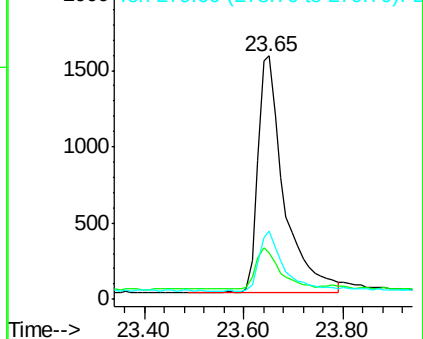
279 28.0 19.4 29.0



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: 0.12 ng

RT: 24.24 min Scan# 1310

Delta R.T. 0.01 min

Lab File: BE091423.D

Acq: 3 Mar 2016 15:24

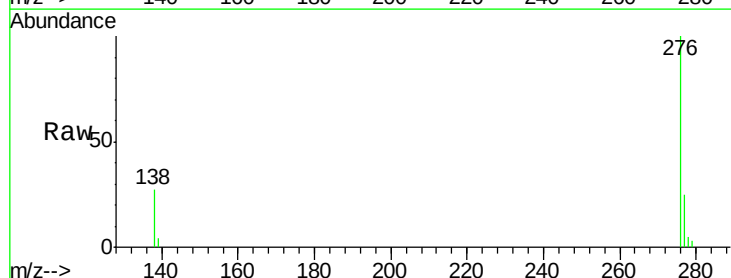
Tgt Ion: 276 Resp: 6334

Ion Ratio Lower Upper

276 100

277 25.3 19.0 28.6

138 26.7 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

