

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 03:18:15 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

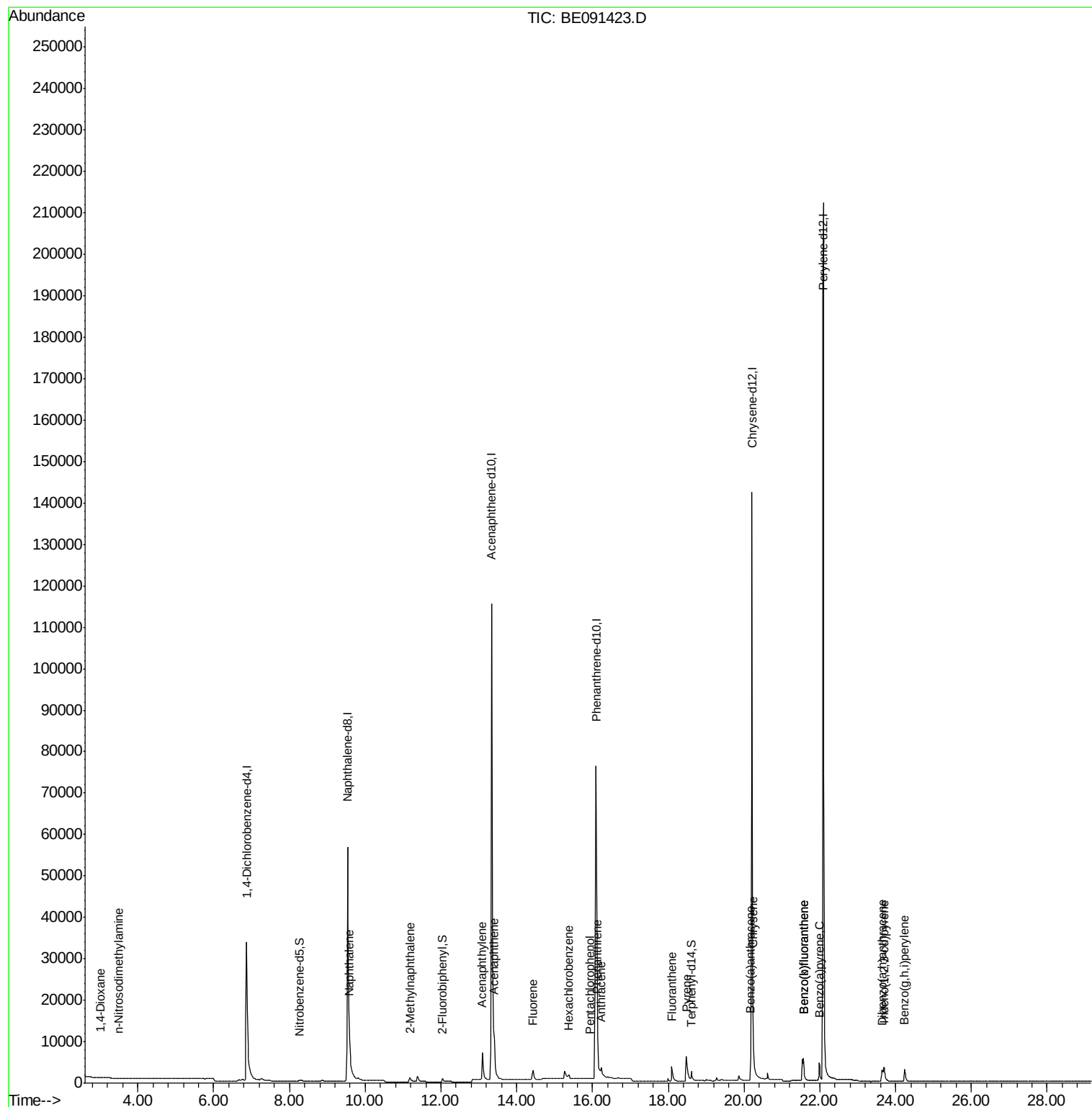
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	27971	5.00	ng	0.00
4) Naphthalene-d8	9.53	136	130816	5.00	ng	0.00
8) Acenaphthene-d10	13.34	164	83785	5.00	ng	0.00
13) Phenanthrene-d10	16.10	188	166823	5.00	ng	0.00
19) Chrysene-d12	20.21	240	228231	5.00	ng	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	76	0.10	ng	95
16) Phenanthrene	16.13	178	6216	0.15	ng	98
17) Anthracene	16.23	178	3349	0.09	ng	# 84
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	7151	0.16	ng	# 91
26) Benzo(b)fluoranthene	21.57	252	13491	0.24	ng	94
27) Benzo(k)fluoranthene	21.57	252	13638	0.21	ng	# 98
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

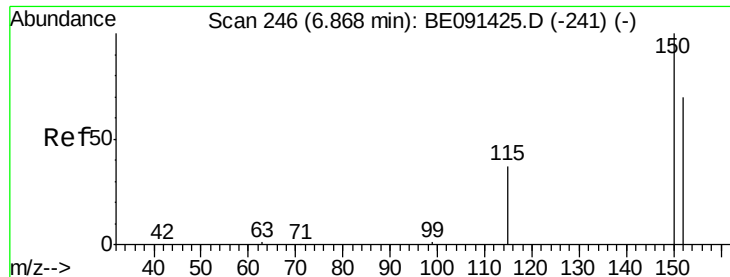
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

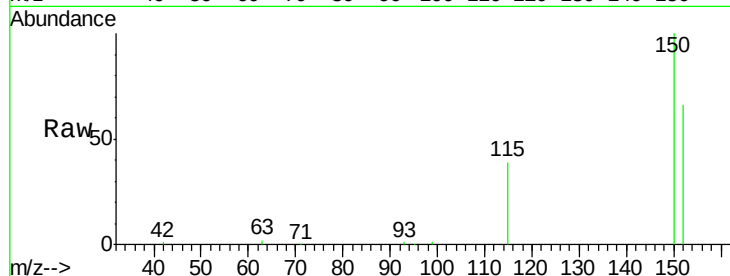
Tgt Ion:152 Resp: 27971

Ion Ratio Lower Upper

152 100

150 150.6 115.0 172.4

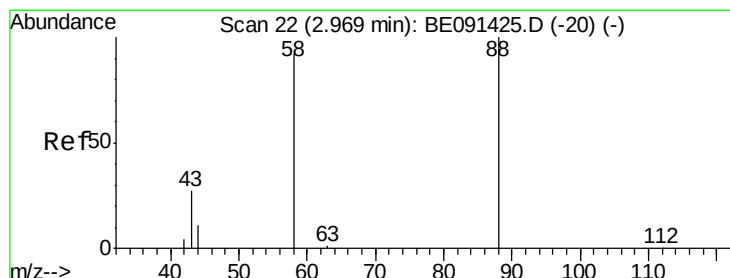
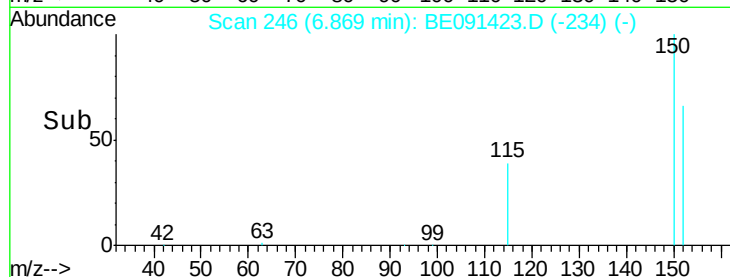
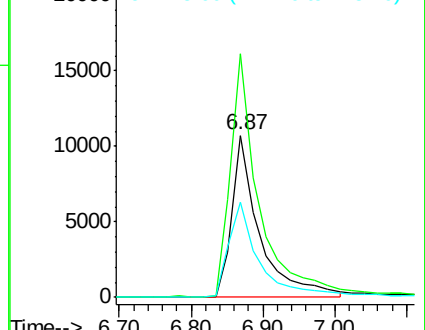
115 58.8 42.2 63.4



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

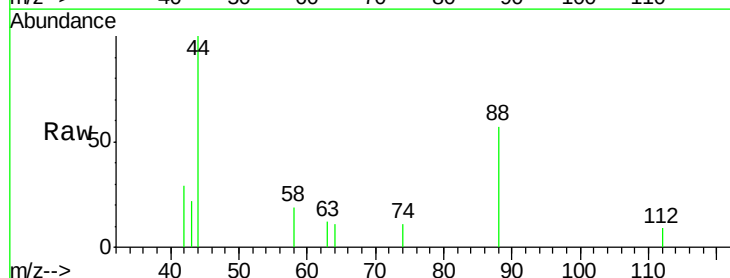
Tgt Ion: 88 Resp: 255

Ion Ratio Lower Upper

88 100

58 105.1 96.9 145.3

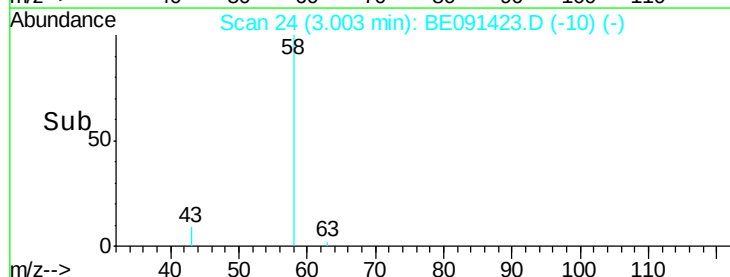
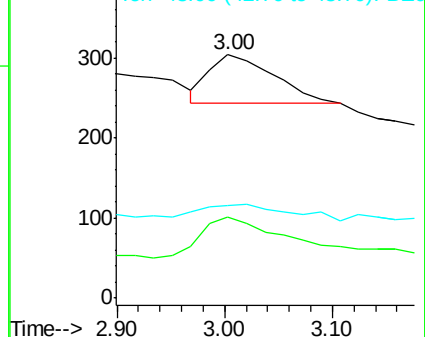
43 44.7 29.3 43.9#

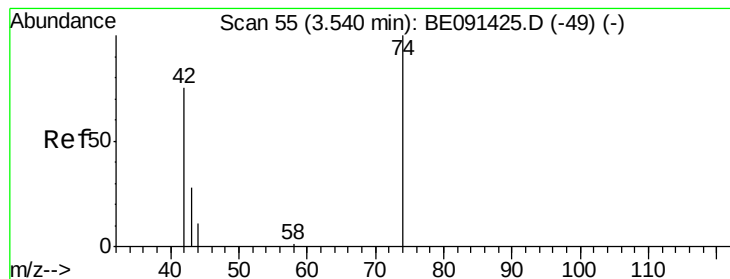


Abundance Ion 88.00 (87.70 to 88.70): BE0

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 :

SSTDICC0.1

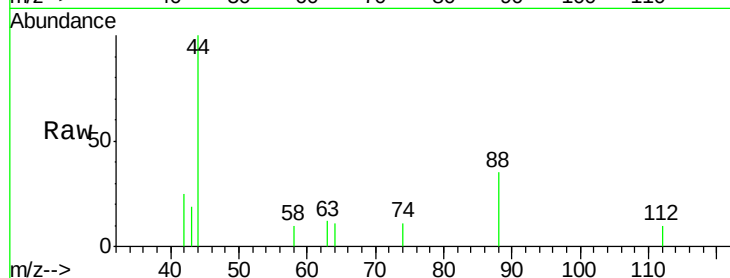
Tgt Ion: 42 Resp: 21

Ion Ratio Lower Upper

42 100

74 0.0 96.6 144.8#

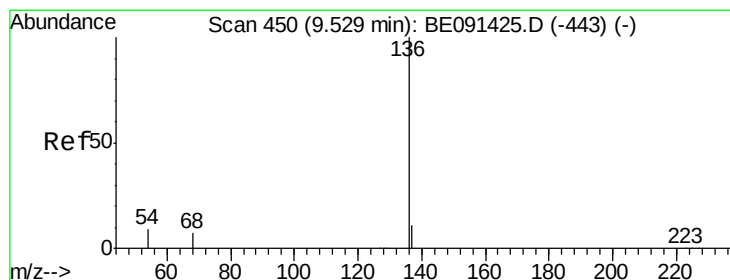
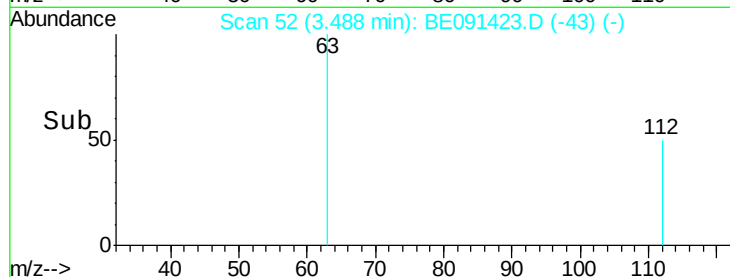
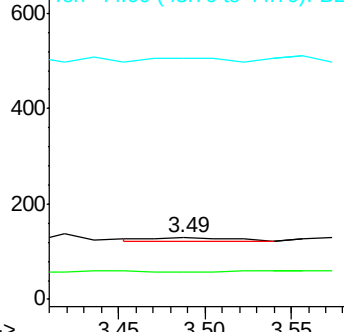
44 161.9 0.0 0.0#



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

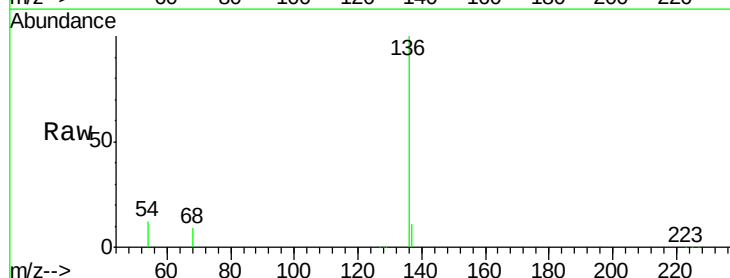
Tgt Ion: 136 Resp: 130816

Ion Ratio Lower Upper

136 100

137 10.5 8.7 13.1

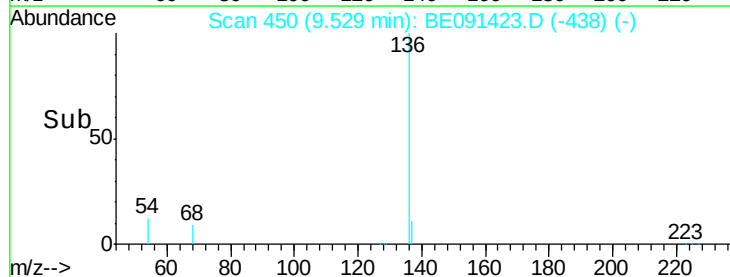
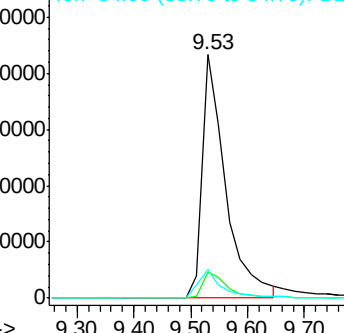
54 11.8 6.9 10.3#

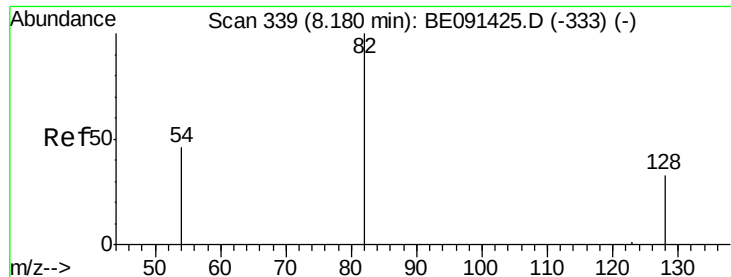


Abundance Ion 136.00 (135.70 to 136.70): E

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

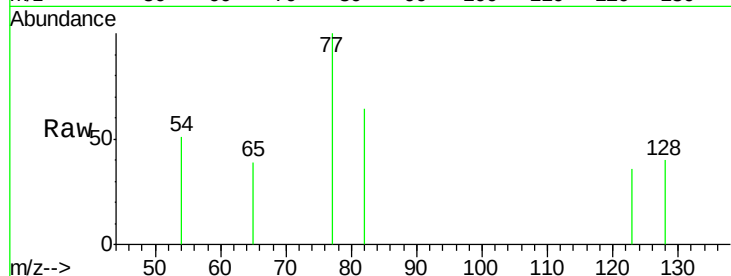
Tgt Ion: 82 Resp: 434

Ion Ratio Lower Upper

82 100

128 61.7 30.0 45.0#

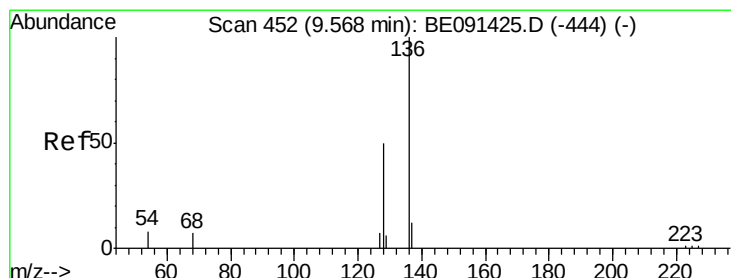
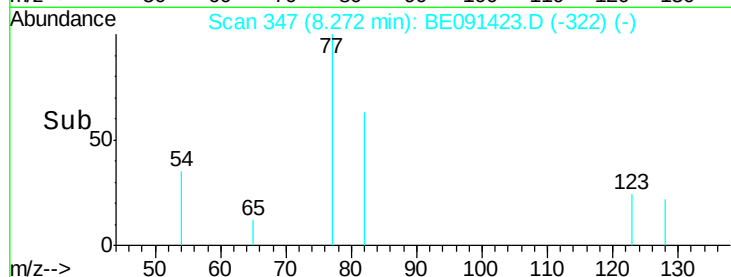
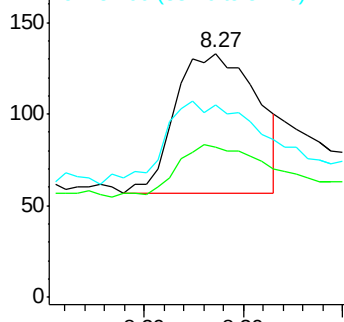
54 78.9 41.5 62.3#



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



#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

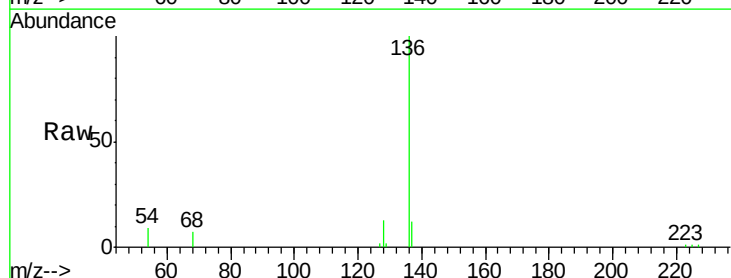
Tgt Ion: 128 Resp: 3046

Ion Ratio Lower Upper

128 100

129 16.8 9.5 14.3#

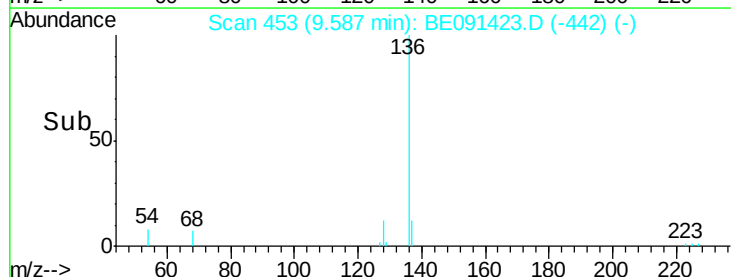
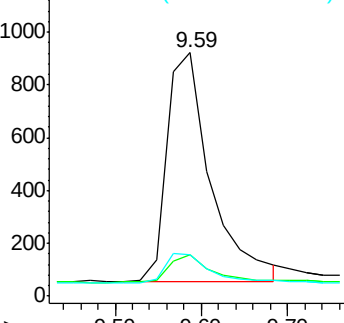
127 16.7 11.4 17.0

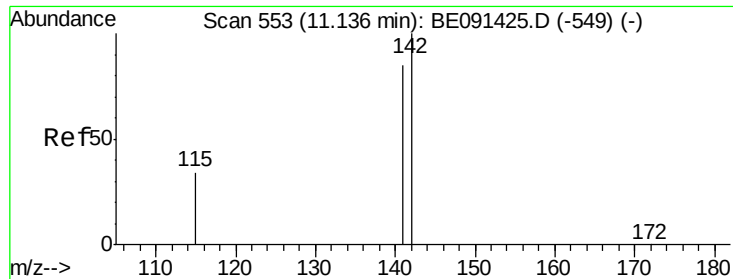


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#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

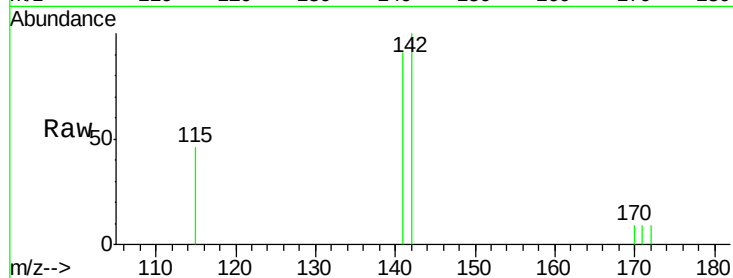
Tgt Ion:142 Resp: 1693

Ion Ratio Lower Upper

142 100

141 91.0 68.3 102.5

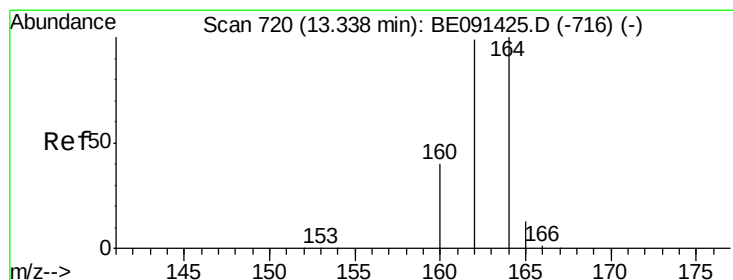
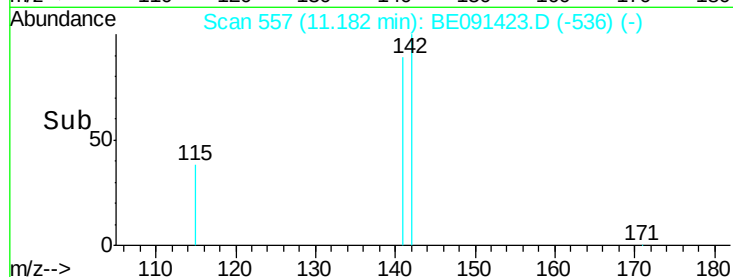
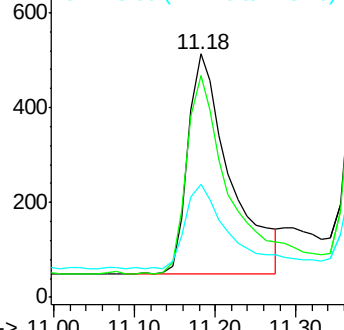
115 46.4 28.9 43.3#



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

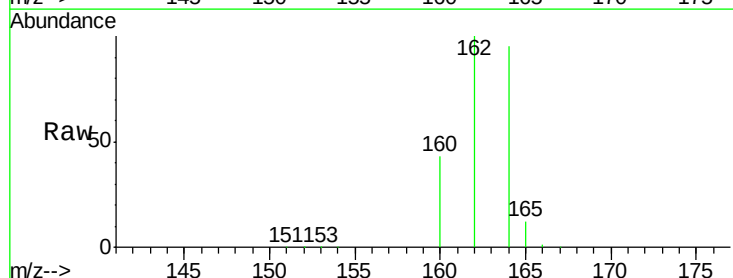
Tgt Ion:164 Resp: 83785

Ion Ratio Lower Upper

164 100

162 105.5 79.1 118.7

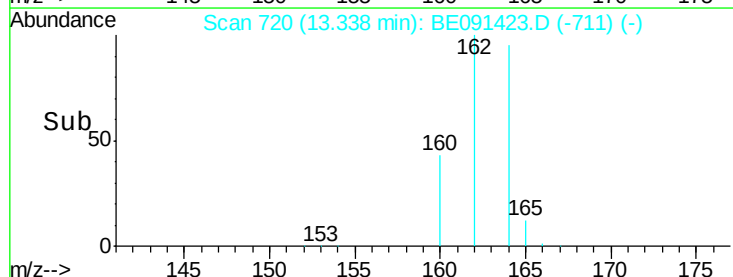
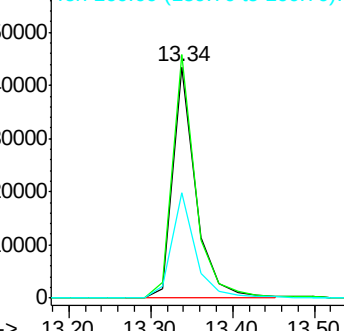
160 45.6 32.4 48.6

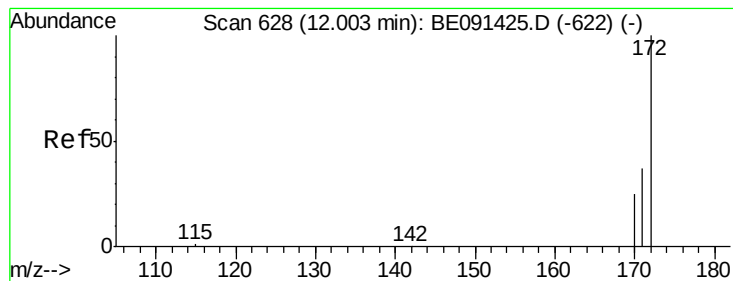


Abundance Ion 164.00 (163.70 to 164.70): E

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

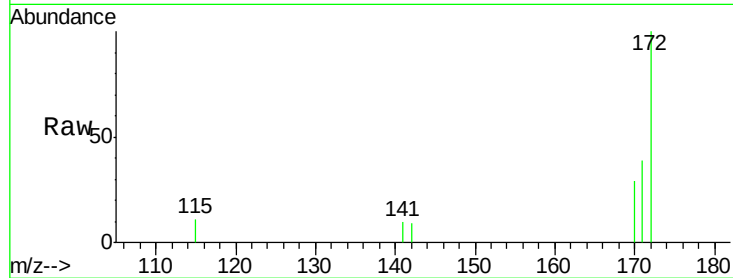
Tgt Ion:172 Resp: 1790

Ion Ratio Lower Upper

172 100

171 39.2 30.2 45.4

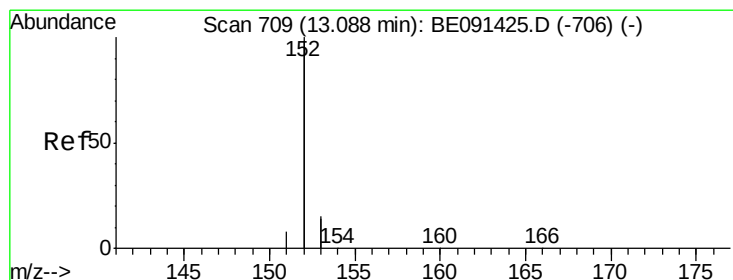
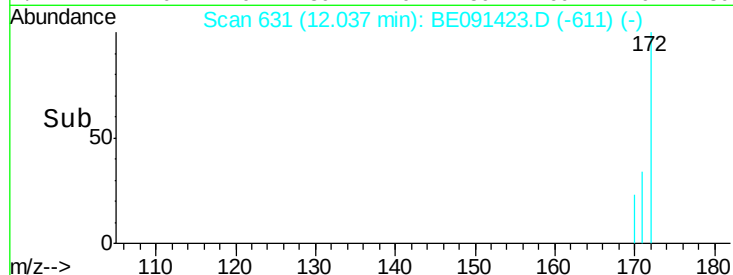
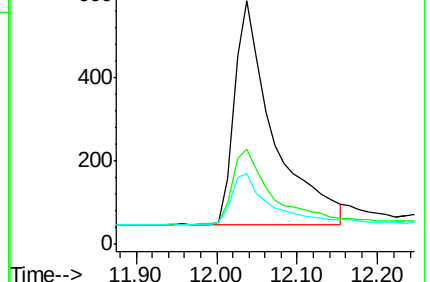
170 29.3 20.9 31.3



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

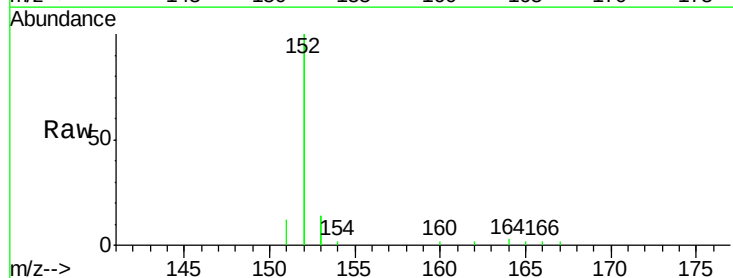
Tgt Ion:152 Resp: 12811

Ion Ratio Lower Upper

152 100

151 5.1 3.9 5.9

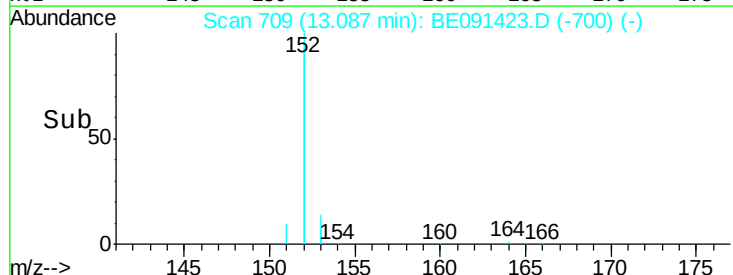
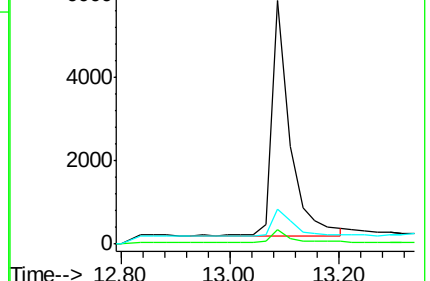
153 13.0 10.5 15.7

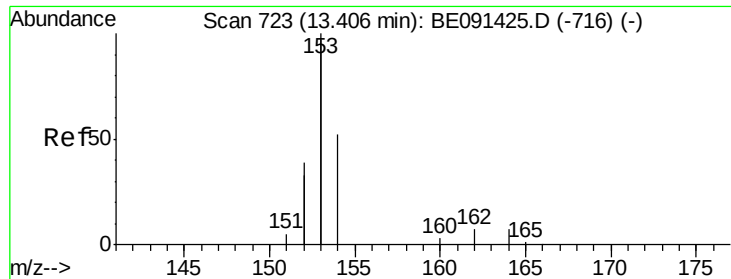


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E

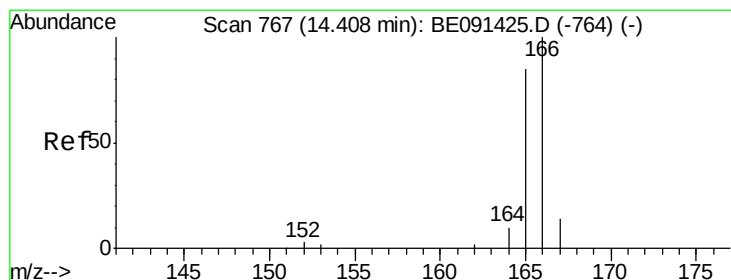
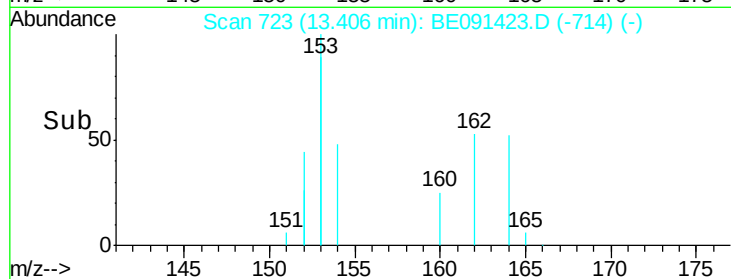
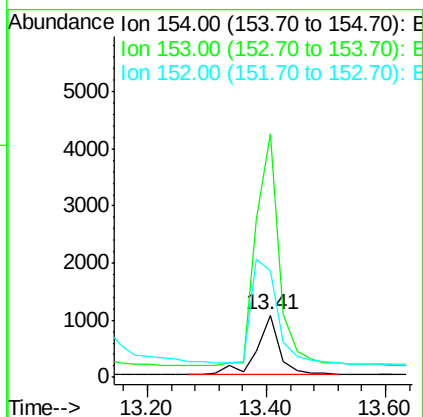
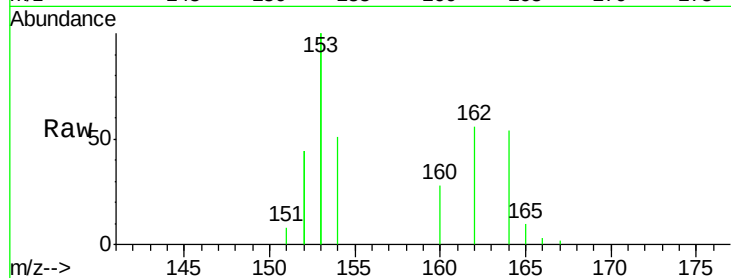




#11
Acenaphthene
Concen: 0.13 ng
RT: 13.41 min Scan# 723
Delta R.T. -0.00 min
Lab File: BE091423.D
Acq: 3 Mar 2016 15:24

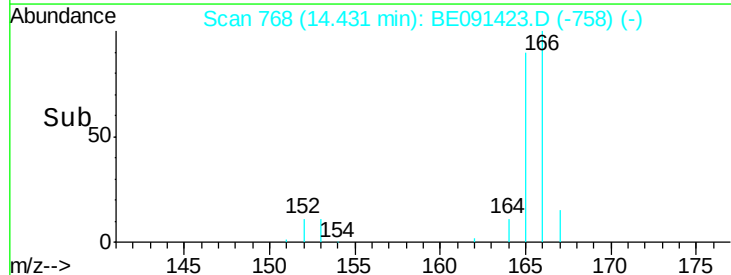
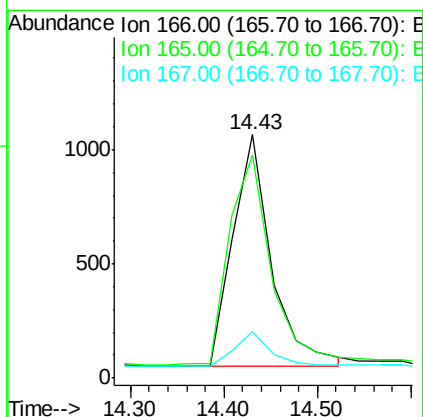
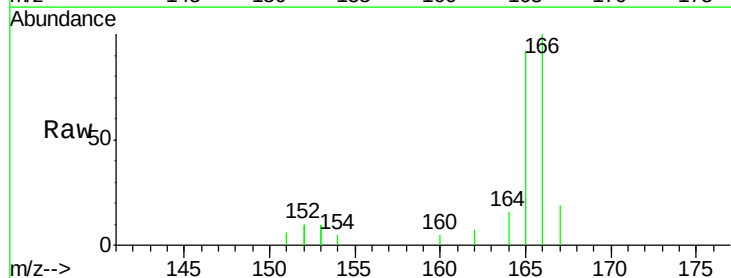
Instrument :
BNA_E
ClientSampleId :
SSTDIC0.1

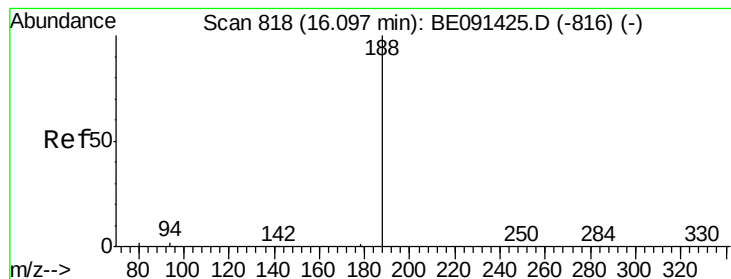
Tgt Ion:154 Resp: 2742
Ion Ratio Lower Upper
154 100
153 401.2 0.0 0.0#
152 0.0 0.0 0.0



#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 :

SSTDICC0.1

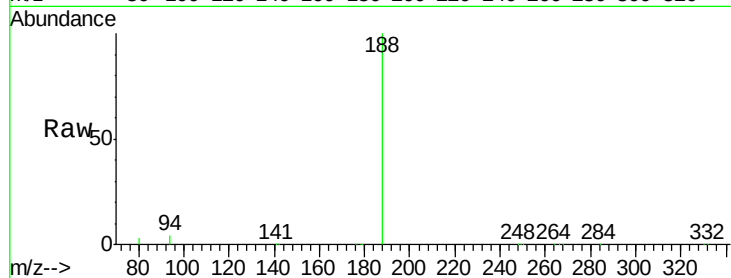
Tgt Ion:188 Resp: 166823

Ion Ratio Lower Upper

188 100

94 3.5 2.1 3.1#

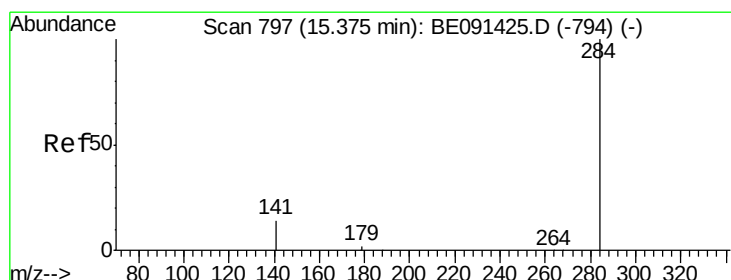
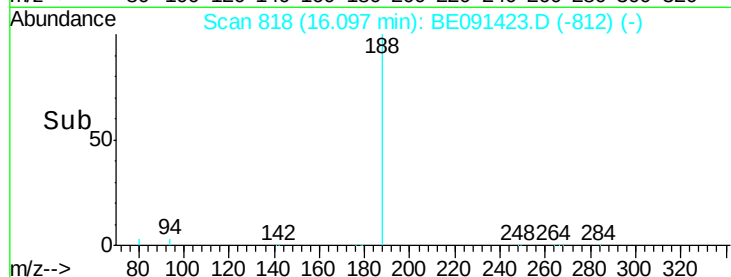
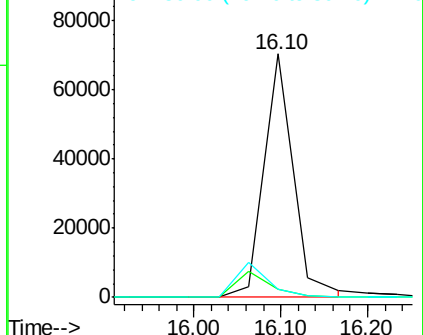
80 3.5 1.9 2.9#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



#14

Hexachlorobenzene

Concen: 0.17 ng

RT: 15.38 min Scan# 797

Delta R.T. 0.00 min

Lab File: BE091423.D

Acq: 3 Mar 2016 15:24

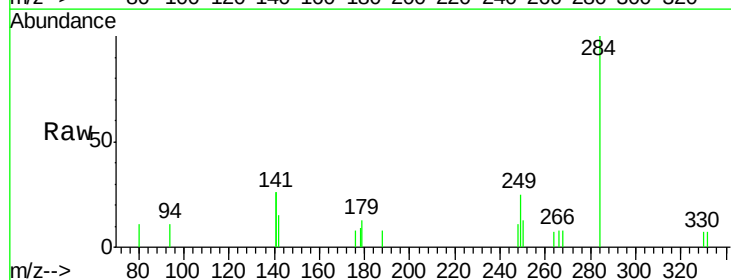
Tgt Ion:284 Resp: 1285

Ion Ratio Lower Upper

284 100

142 0.0 0.0 0.0

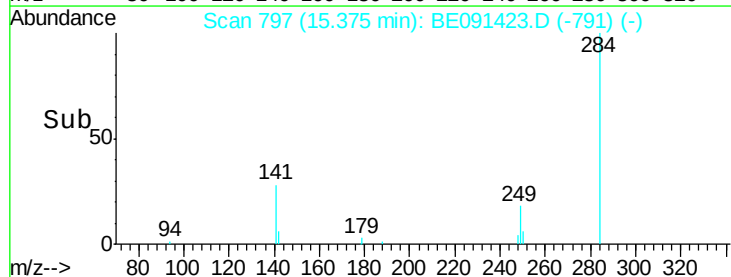
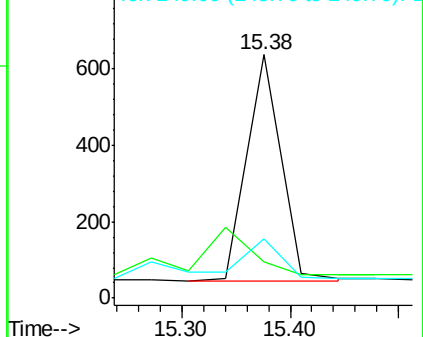
249 31.4 0.0 0.0#

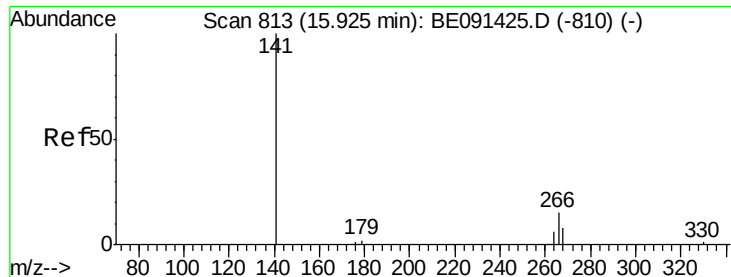


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E

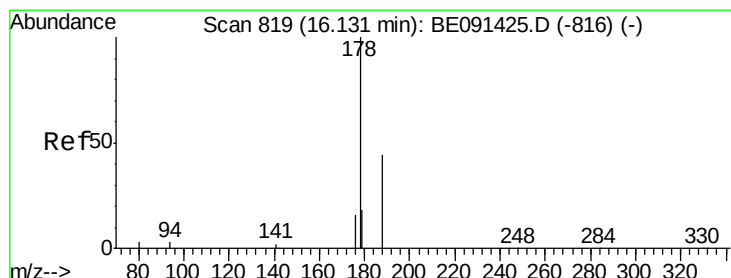
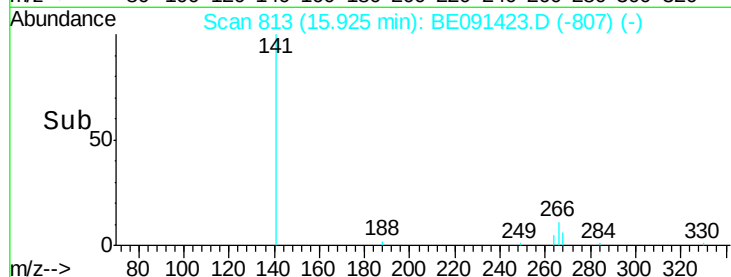
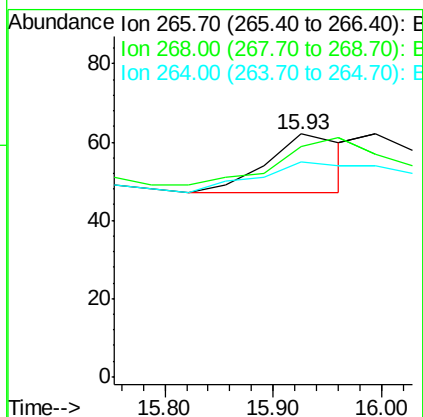
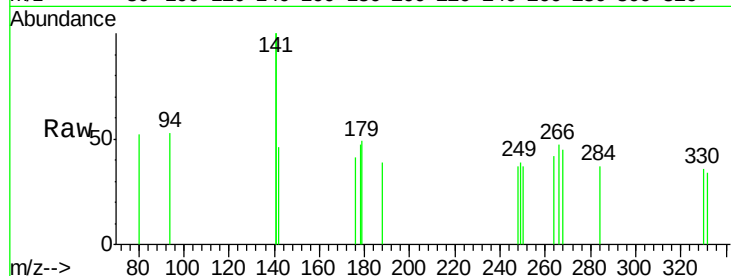




#15
Pentachlorophenol
Concen: 0.10 ng
RT: 15.93 min Scan# 813
Delta R.T. 0.00 min
Lab File: BE091423.D
Acq: 3 Mar 2016 15:24

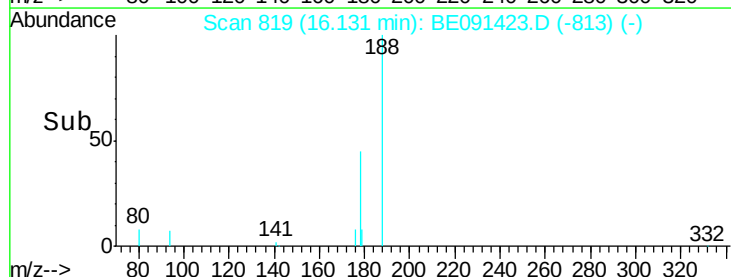
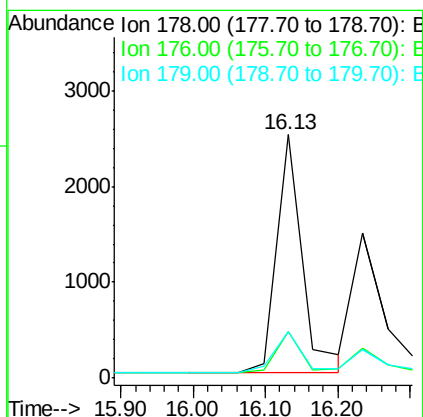
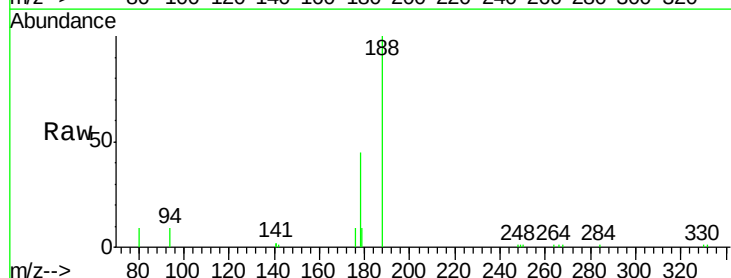
Instrument :
BNA_E
ClientSampleId :
SSTDIC0.1

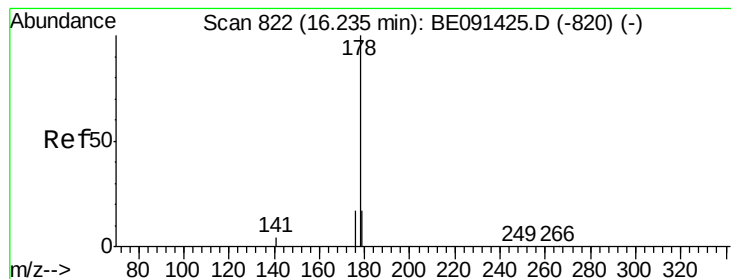
Tgt Ion: 266 Resp: 76
Ion Ratio Lower Upper
266 100
268 95.2 73.0 109.6
264 88.7 66.1 99.1



#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





#17

Anthracene

Concen: 0.09 ng

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 :

SSTDIC0.1

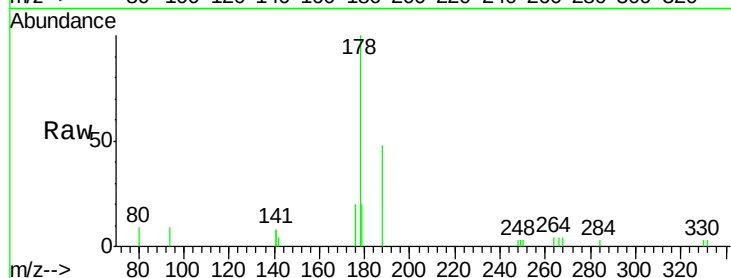
Tgt Ion:178 Resp: 3349

Ion Ratio Lower Upper

178 100

176 16.9 23.5 35.3#

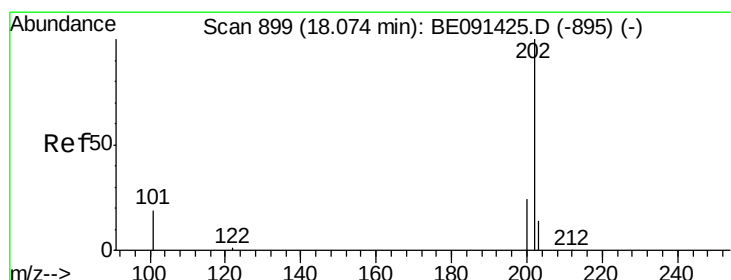
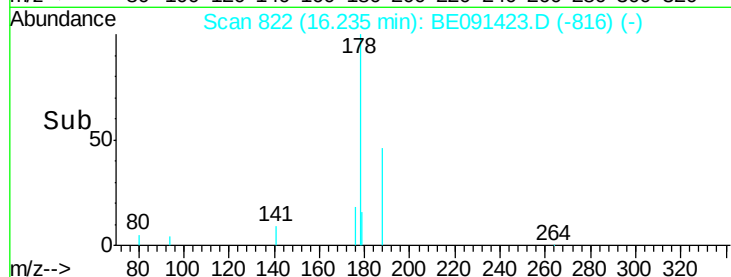
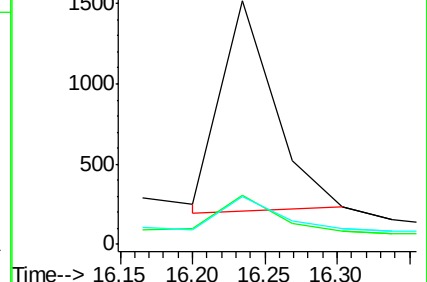
179 15.9 14.3 21.5



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



#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

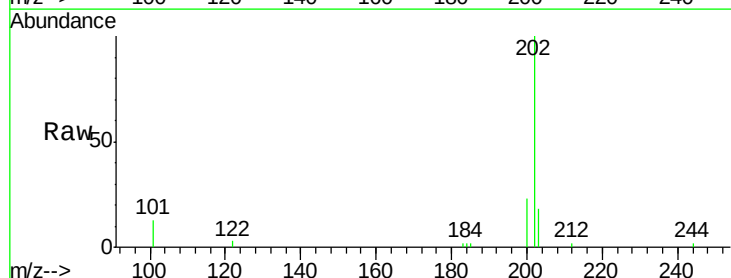
Tgt Ion:202 Resp: 6021

Ion Ratio Lower Upper

202 100

101 12.0 11.0 16.4

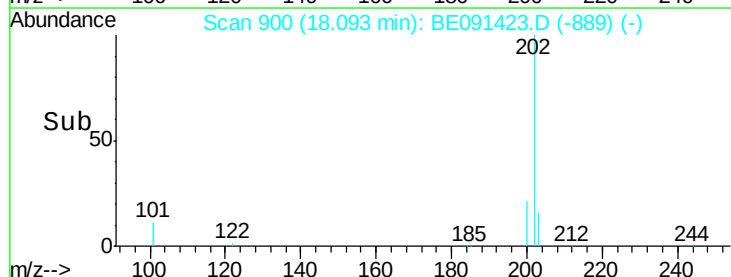
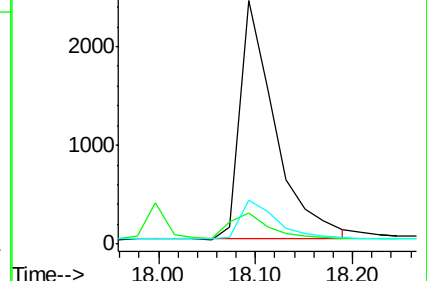
203 17.6 13.7 20.5

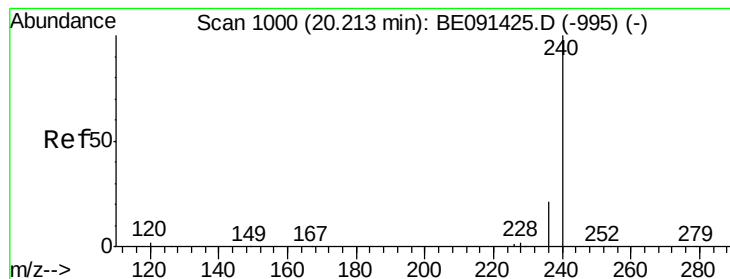


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#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

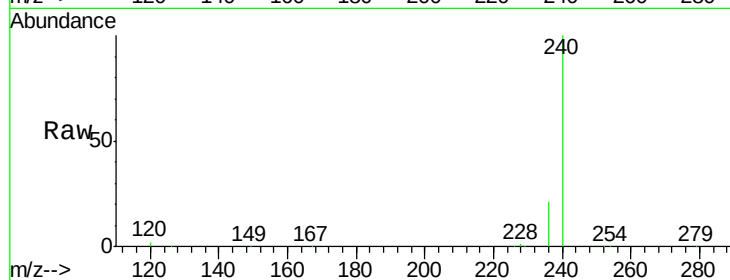
Tgt Ion:240 Resp: 228231

Ion Ratio Lower Upper

240 100

120 1.9 1.4 2.0

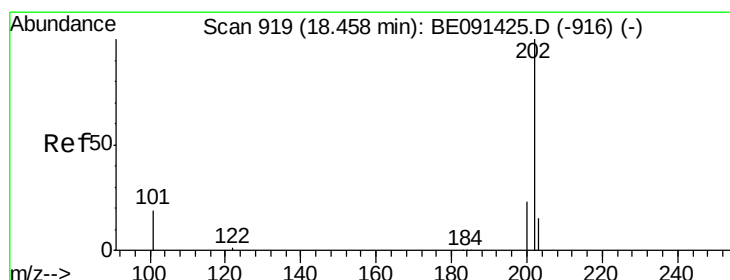
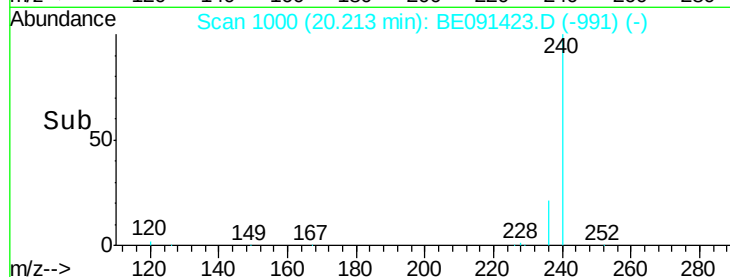
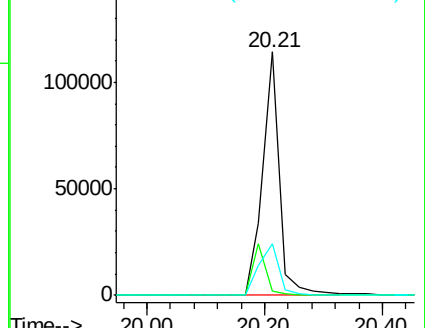
236 21.4 16.7 25.1



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

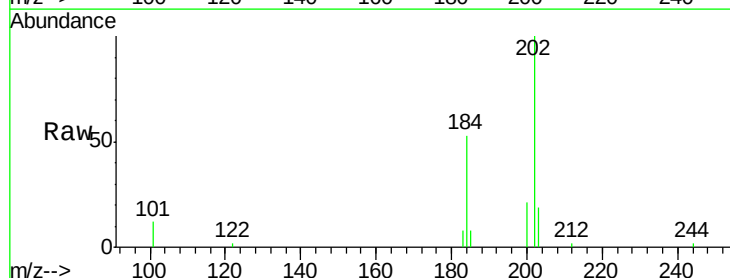
Tgt Ion:202 Resp: 6112

Ion Ratio Lower Upper

202 100

200 20.8 16.5 24.7

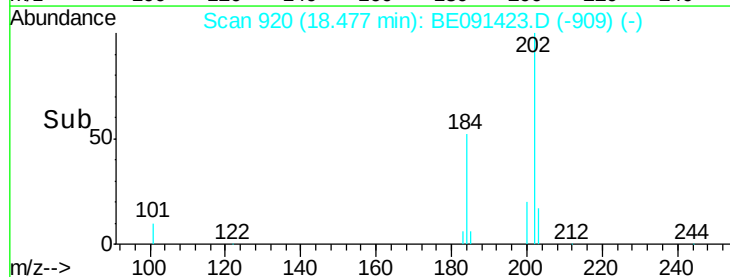
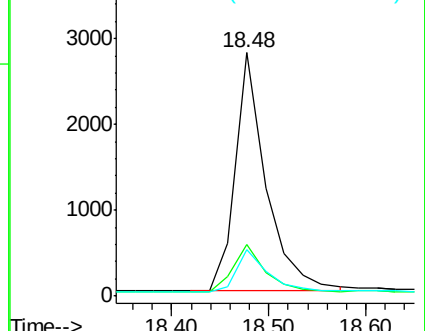
203 17.4 13.8 20.6

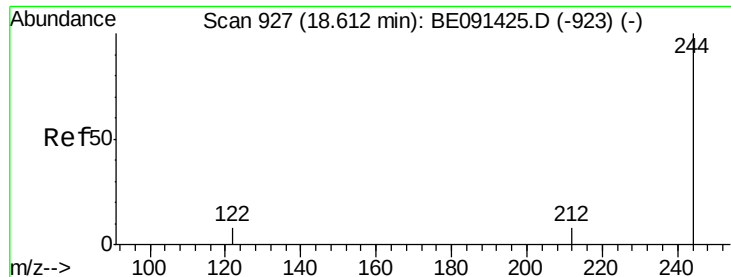


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

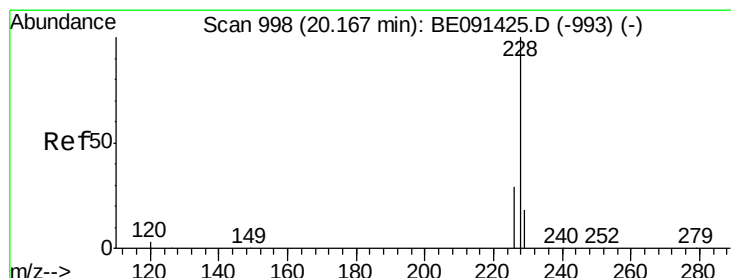
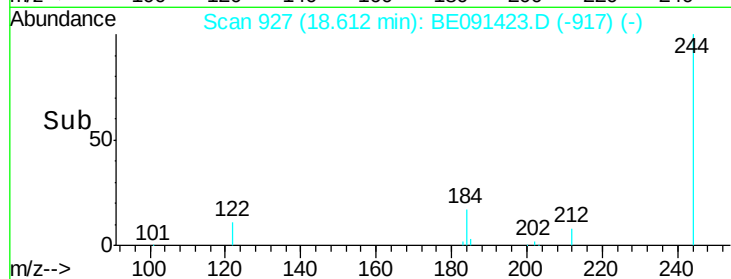
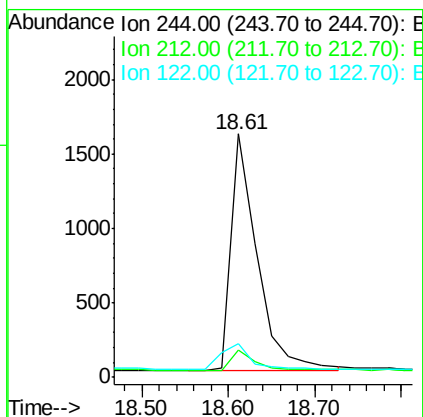
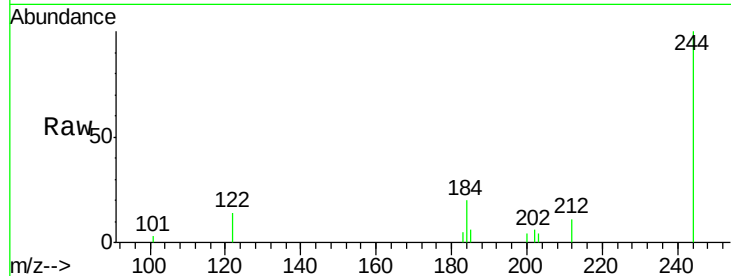




#21
 Terphenyl-d14
 Concen: 0.10 ng
 RT: 18.61 min Scan# 927
 Delta R.T. -0.00 min
 Lab File: BE091423.D
 Acq: 3 Mar 2016 15:24

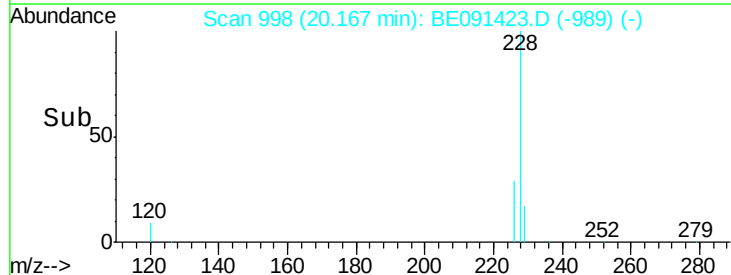
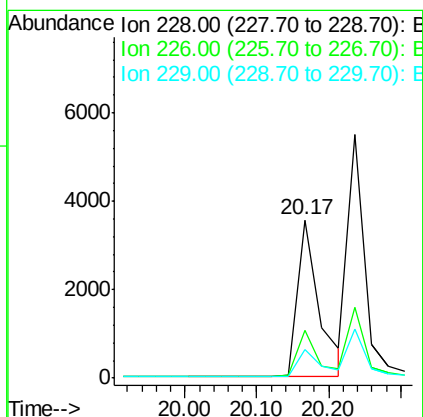
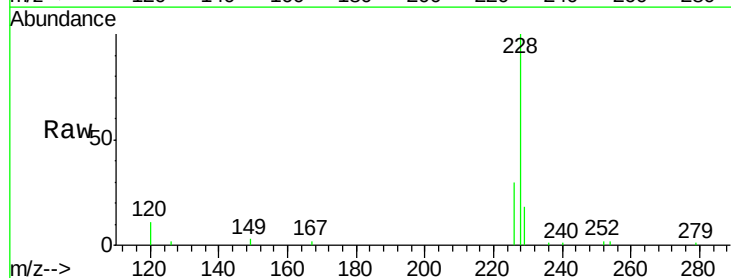
Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.1

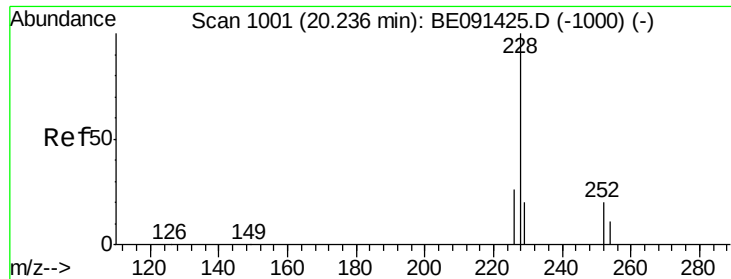
Tgt Ion: 244 Resp: 3329
 Ion Ratio Lower Upper
 244 100
 212 11.2 7.0 10.6#
 122 13.9 6.8 10.2#



#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

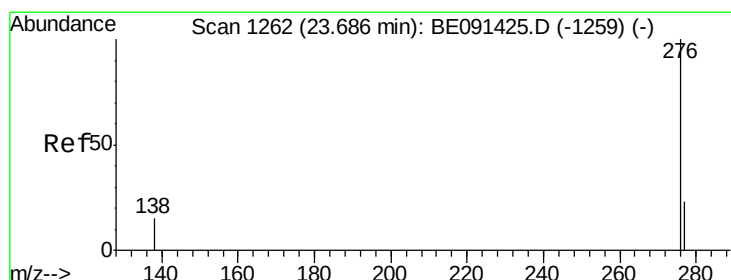
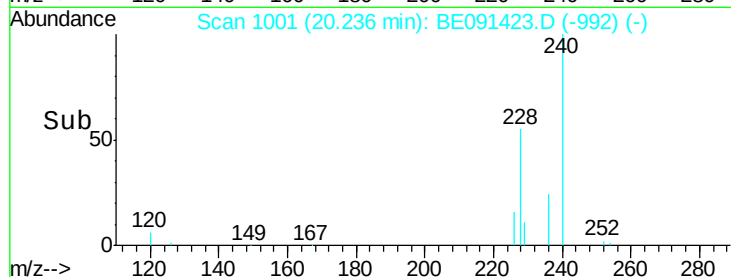
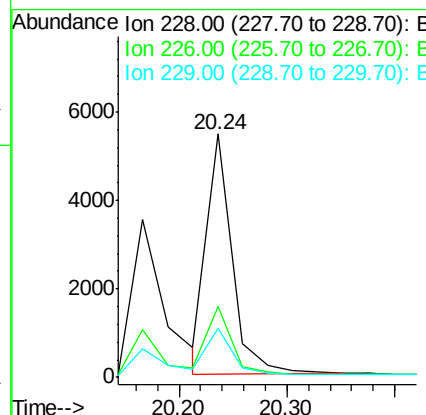
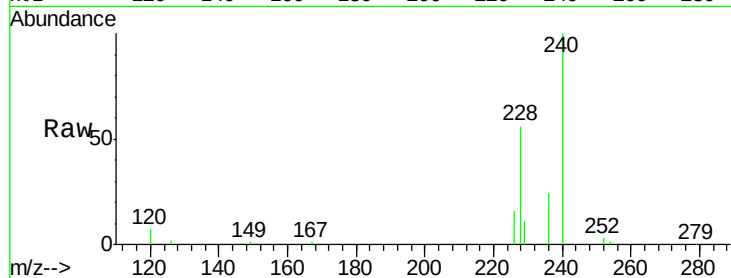




#23
 Chrysene
 Concen: 0.14 ng
 RT: 20.24 min Scan# 1001
 Delta R.T. -0.00 min
 Lab File: BE091423.D
 Acq: 3 Mar 2016 15:24

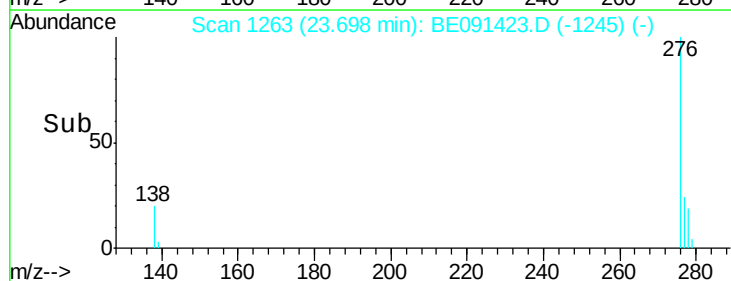
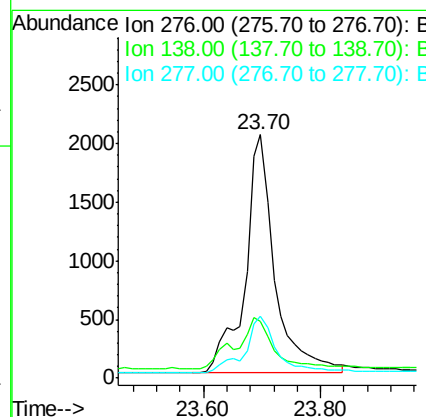
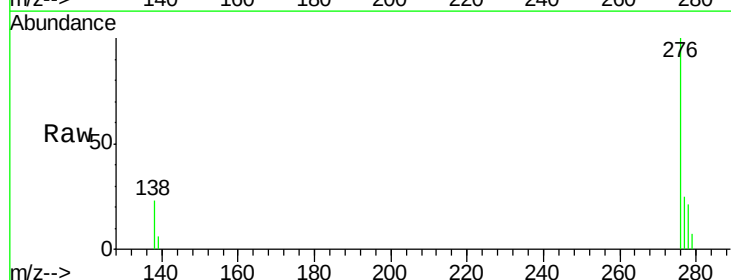
Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.1

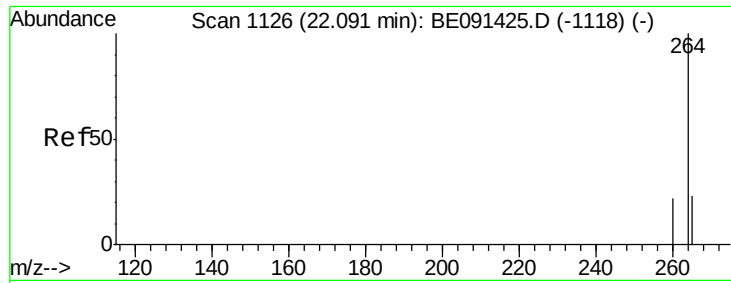
Tgt Ion: 228 Resp: 8804
 Ion Ratio Lower Upper
 228 100
 226 28.9 22.0 33.0
 229 20.0 16.2 24.2



#24
 Indeno(1,2,3-cd)pyrene
 Concen: 0.16 ng
 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: 7151
 Ion Ratio Lower Upper
 276 100
 138 26.5 15.9 23.9#
 277 24.8 22.4 33.6



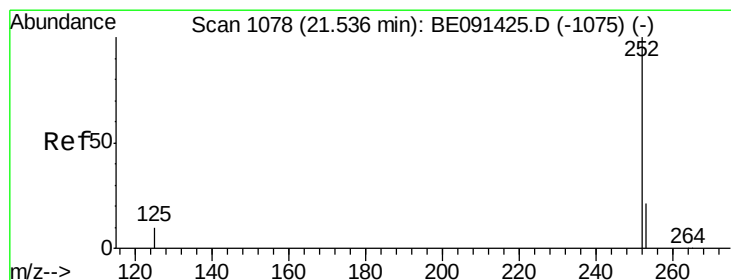
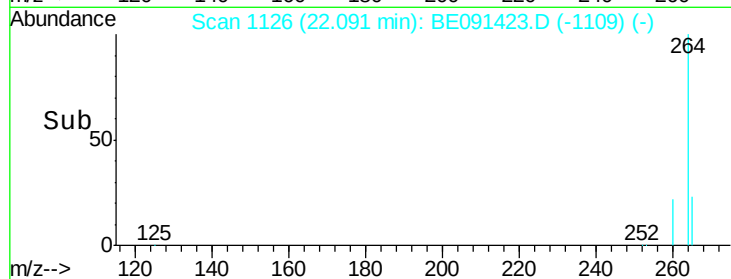
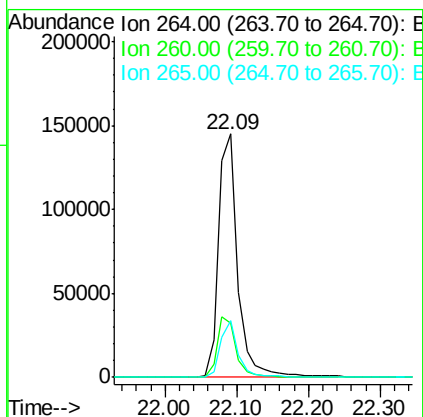
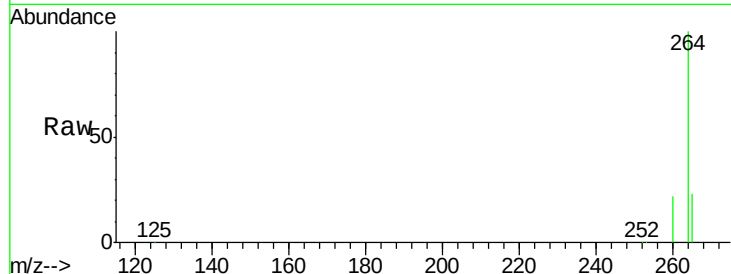


#25
Perylene-d12
Concen: 5.00 ng
RT: 22.09 min Scan# 1126
Delta R.T. 0.00 min
Lab File: BE091423.D
Acq: 3 Mar 2016 15:24

Instrument :
BNA_E
ClientSampleId :
SSTDIC0.1

Tgt Ion: 264 Resp: 268278

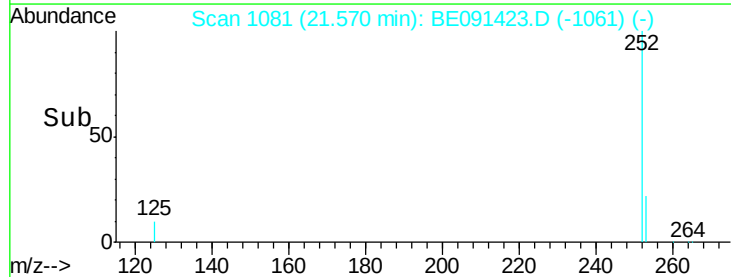
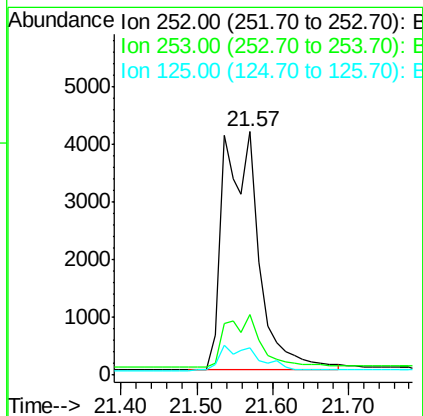
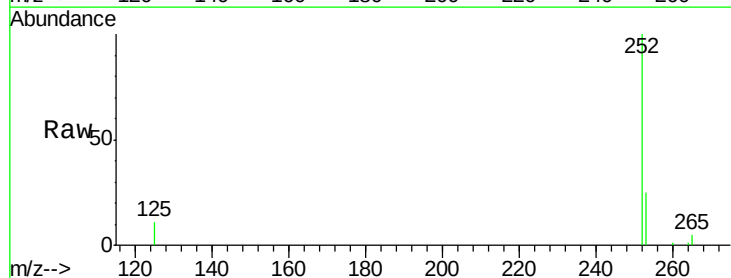
Ion	Ratio	Lower	Upper
264	100		
260	22.2	18.0	27.0
265	23.5	18.2	27.4

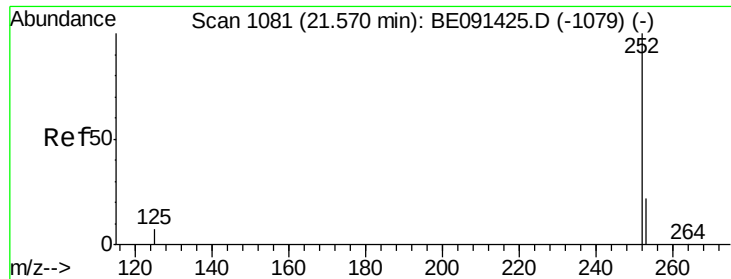


#26
Benzo(b)fluoranthene
Concen: 0.24 ng
RT: 21.57 min Scan# 1081
Delta R.T. 0.03 min
Lab File: BE091423.D
Acq: 3 Mar 2016 15:24

Tgt Ion: 252 Resp: 13491

Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.0	25.4
125	11.3	8.3	12.5





#27

Benzo(k)fluoranthene

Concen: 0.21 ng

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

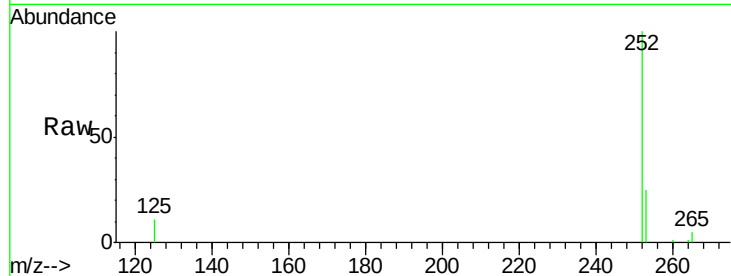
Tgt Ion:252 Resp: 13638

Ion Ratio Lower Upper

252 100

253 24.8 19.5 29.3

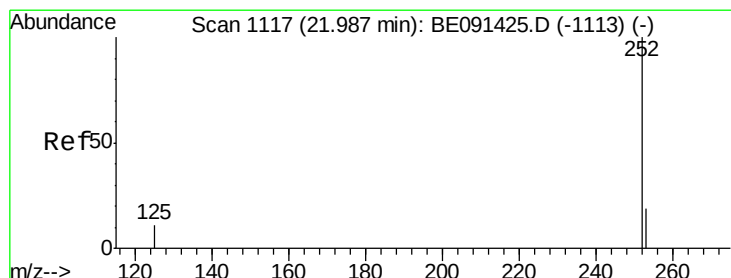
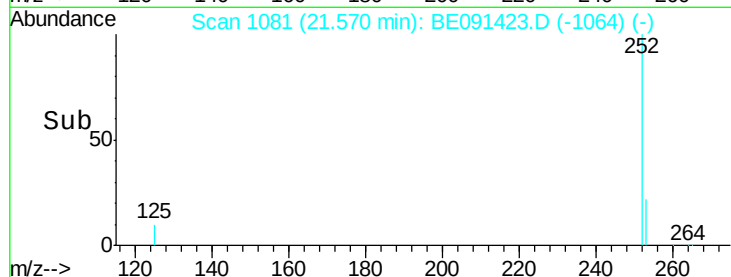
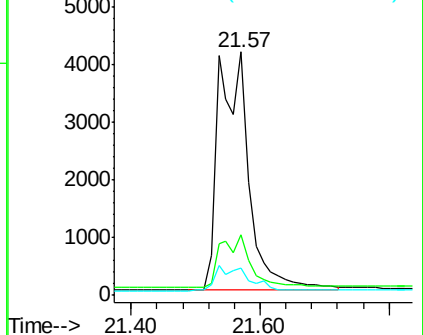
125 11.3 7.3 10.9#



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: 0.12 ng

RT: 21.99 min Scan# 1117

Delta R.T. 0.00 min

Lab File: BE091423.D

Acq: 3 Mar 2016 15:24

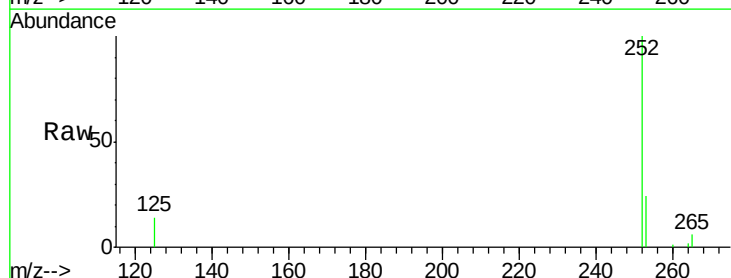
Tgt Ion:252 Resp: 5998

Ion Ratio Lower Upper

252 100

253 23.7 16.2 24.4

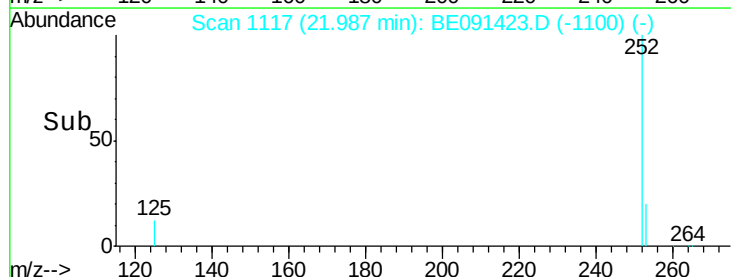
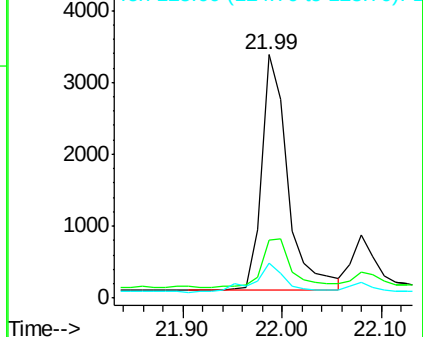
125 14.4 9.6 14.4

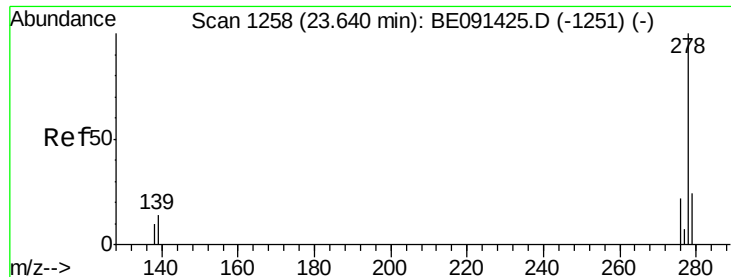


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#29

Dibenzo(a,h)anthracene

Concen: 0.13 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

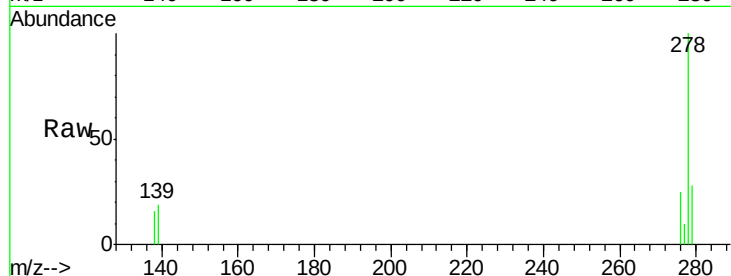
Tgt Ion:278 Resp: 5642

Ion Ratio Lower Upper

278 100

139 19.2 12.1 18.1#

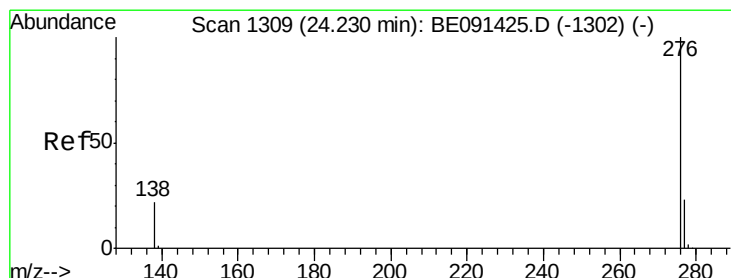
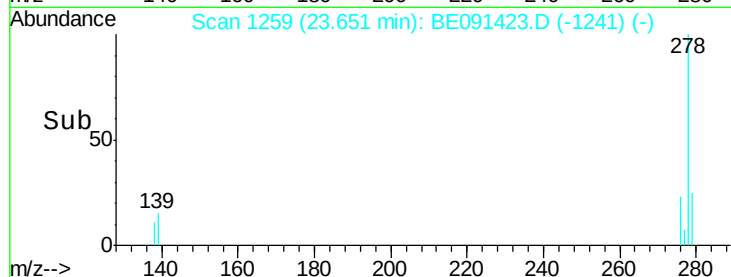
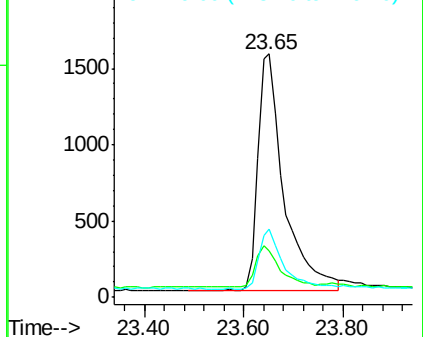
279 28.0 19.4 29.0



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

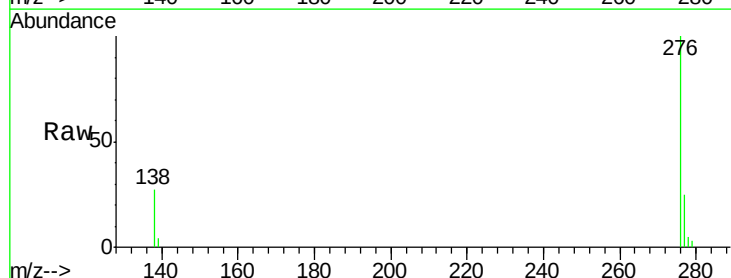
Tgt Ion:276 Resp: 6334

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

