

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE030316\
 Data File : BE091429.D
 Acq On : 3 Mar 2016 19:08
 Operator : UM/IZ
 Sample : SSTDICV0.4
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 ICVBE030316

Quant Time: Mar 04 07:56:44 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 06:35:39 2016
 Response via : Initial Calibration

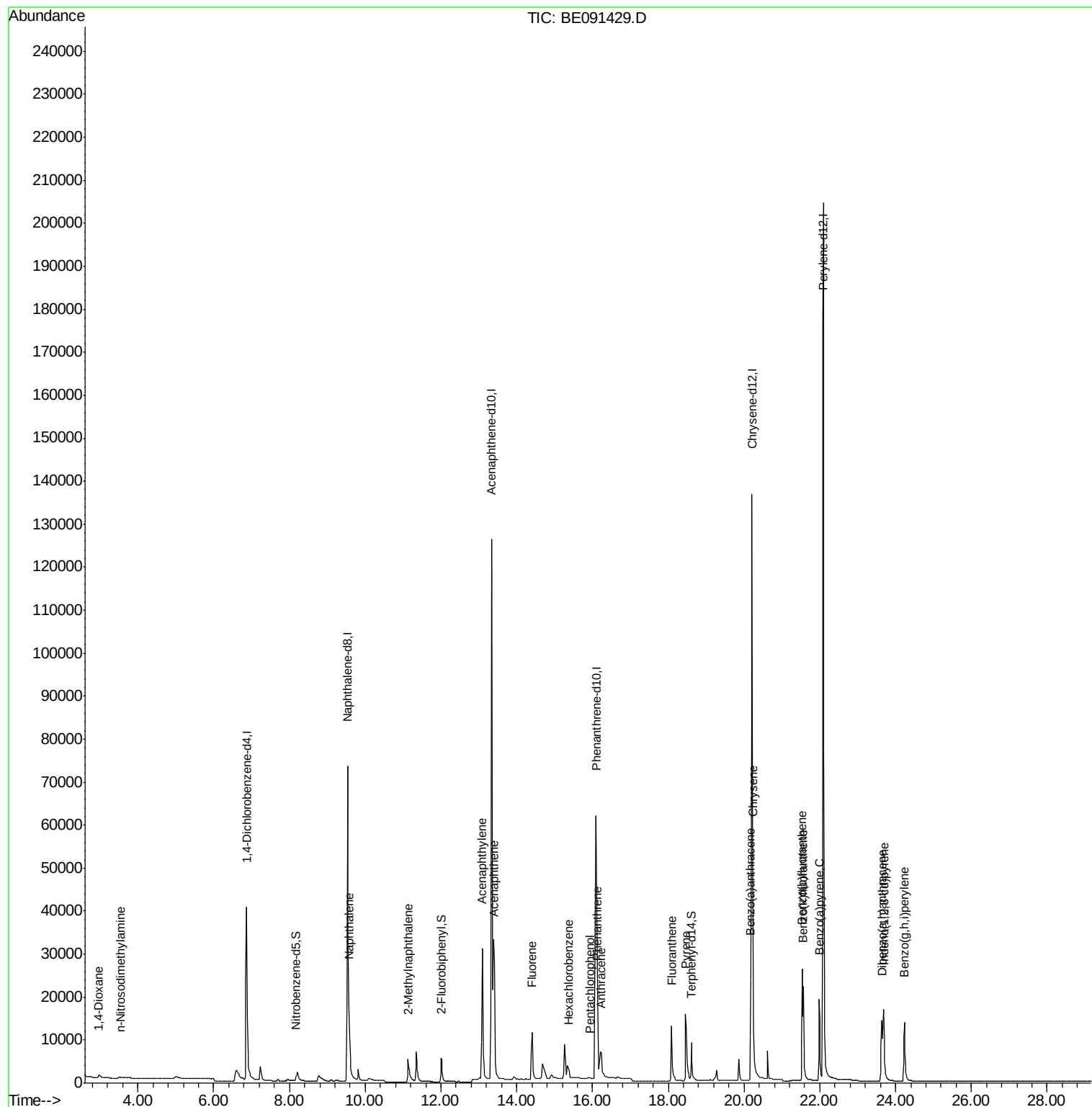
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	29473	5.00	ng	0.00
4) Naphthalene-d8	9.53	136	138950	5.00	ng	0.00
8) Acenaphthene-d10	13.34	164	86238	5.00	ng	0.00
13) Phenanthrene-d10	16.10	188	139238	5.00	ng	0.00
19) Chrysene-d12	20.21	240	225123	5.00	ng	0.00
25) Perylene-d12	22.09	264	259119	5.00	ng	0.00
System Monitoring Compounds						
5) Nitrobenzene-d5	8.18	82	2727	0.41	ng	0.00
9) 2-Fluorobiphenyl	12.01	172	8564	0.41	ng	0.01
21) Terphenyl-d14	18.61	244	14587	0.43	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.97	88	1025	0.39	ng	91
3) n-Nitrosodimethylamine	3.54	42	1022	0.45	ng	# 88
6) Naphthalene	9.57	128	13203	0.41	ng	99
7) 2-Methylnaphthalene	11.14	142	7383m	0.39	ng	
10) Acenaphthylene	13.09	152	55293	0.38	ng	99
11) Acenaphthene	13.41	154	10449	0.40	ng	# 100
12) Fluorene	14.41	166	12567	0.38	ng	99
14) Hexachlorobenzene	15.38	284	3376	0.41	ng	# 100
15) Pentachlorophenol	15.93	266	223m	0.50	ng	
16) Phenanthrene	16.13	178	22558	0.46	ng	99
17) Anthracene	16.23	178	20864m	0.37	ng	
18) Fluoranthene	18.09	202	24109	0.37	ng	99
20) Pyrene	18.46	202	25906	0.40	ng	99
22) Benzo(a)anthracene	20.17	228	29047	0.38	ng	100
23) Chrysene	20.24	228	35403	0.42	ng	98
24) Indeno(1,2,3-cd)pyrene	23.69	276	28613m	0.42	ng	
26) Benzo(b)fluoranthene	21.54	252	27282m	0.38	ng	
27) Benzo(k)fluoranthene	21.56	252	33409m	0.48	ng	
28) Benzo(a)pyrene	21.99	252	24739	0.40	ng	99
29) Dibenzo(a,h)anthracene	23.64	278	24381	0.41	ng	99
30) Benzo(g,h,i)perylene	24.23	276	26907	0.42	ng	100

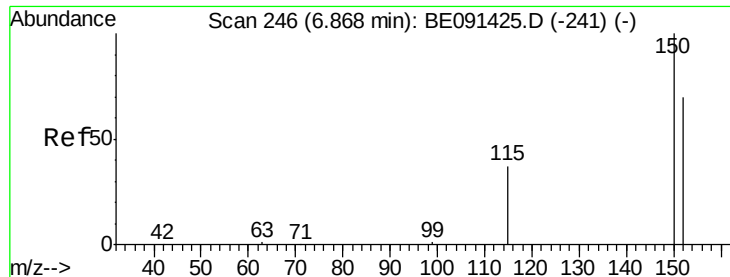
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE091429.D

Acq: 3 Mar 2016 19:08

Instrument :

BNA_E

ClientSampleId :

ICVBE030316

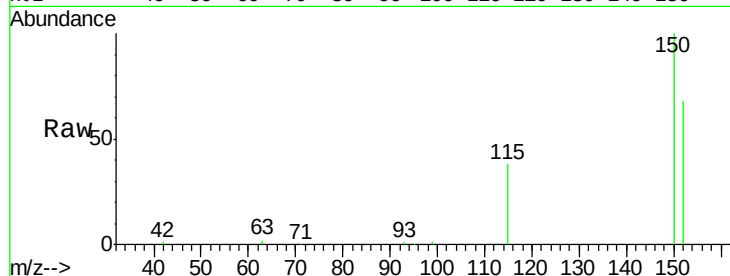
Tgt Ion:152 Resp: 29473

Ion Ratio Lower Upper

152 100

150 146.9 115.0 172.4

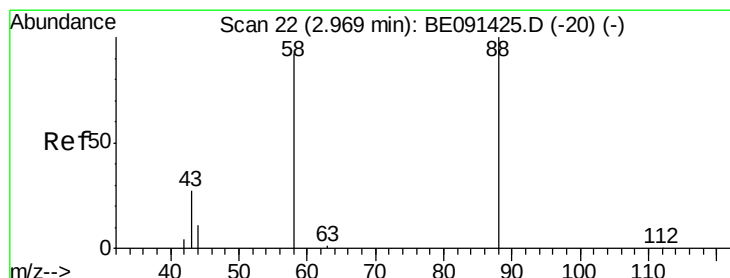
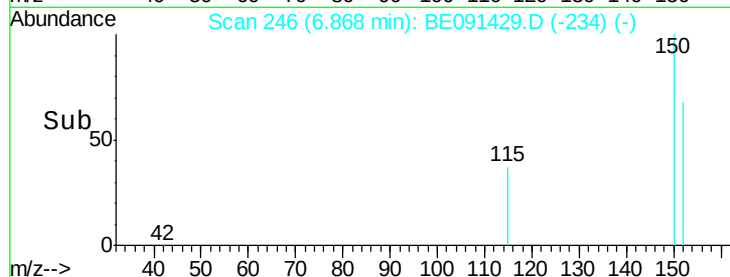
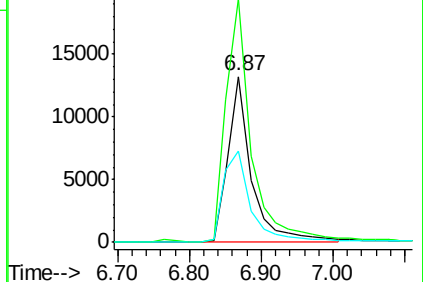
115 55.3 42.2 63.4



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: 0.39 ng

RT: 2.97 min Scan# 22

Delta R.T. -0.00 min

Lab File: BE091429.D

Acq: 3 Mar 2016 19:08

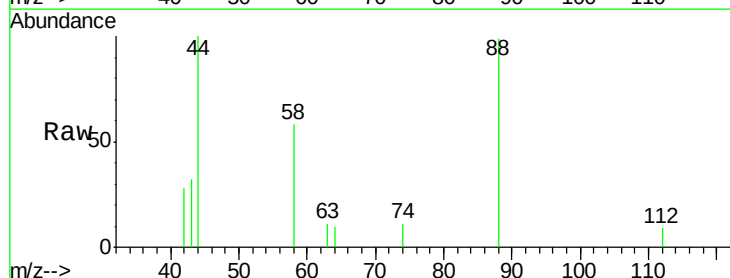
Tgt Ion: 88 Resp: 1025

Ion Ratio Lower Upper

88 100

58 109.9 97.9 146.9

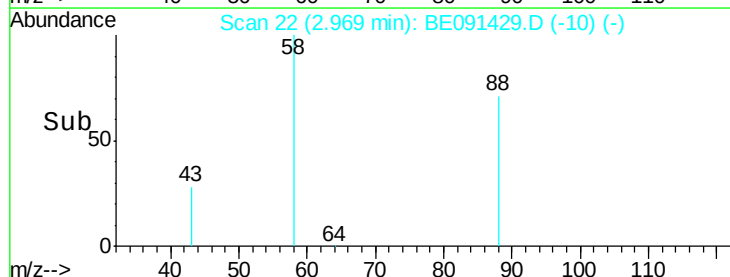
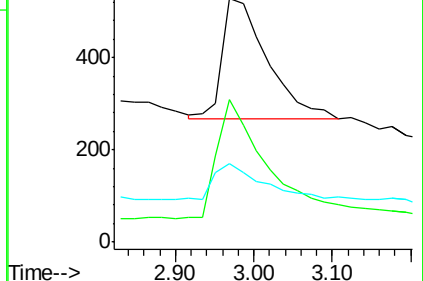
43 34.0 29.0 43.4

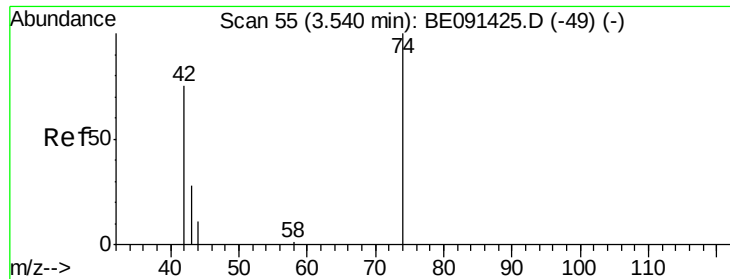


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.45 ng

RT: 3.54 min Scan# 55

Delta R.T. -0.00 min

Lab File: BE091429.D

Acq: 3 Mar 2016 19:08

Instrument :

BNA_E

ClientSampleId :

ICVBE030316

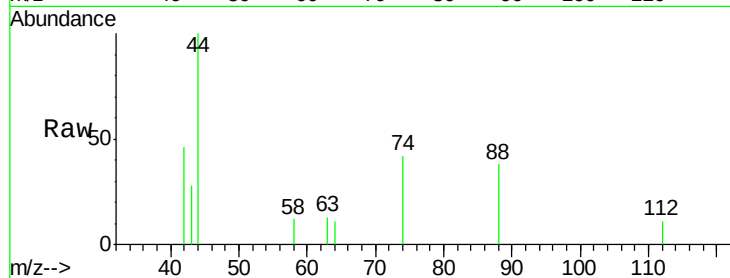
Tgt Ion: 42 Resp: 1022

Ion Ratio Lower Upper

42 100

74 129.8 93.8 140.6

44 3.1 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

600

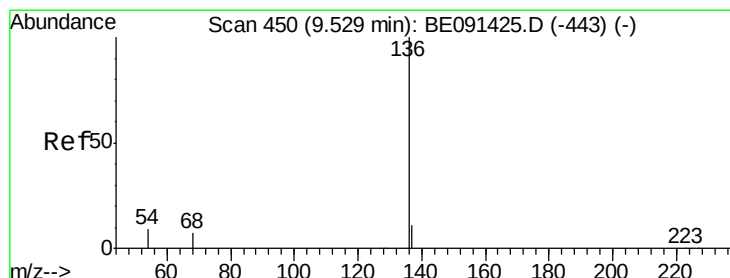
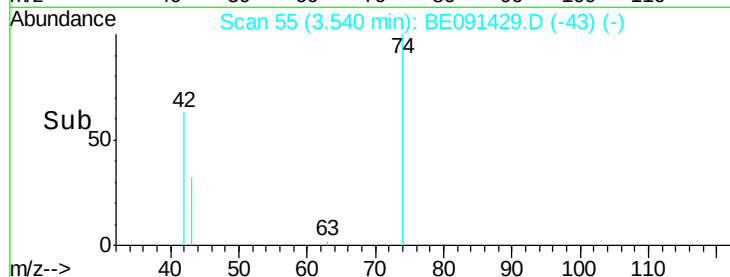
400

200

0

3.30 3.40 3.50 3.60 3.70

Time-->



#4

Naphthalene-d8

Concen: 5.00 ng

RT: 9.53 min Scan# 450

Delta R.T. -0.00 min

Lab File: BE091429.D

Acq: 3 Mar 2016 19:08

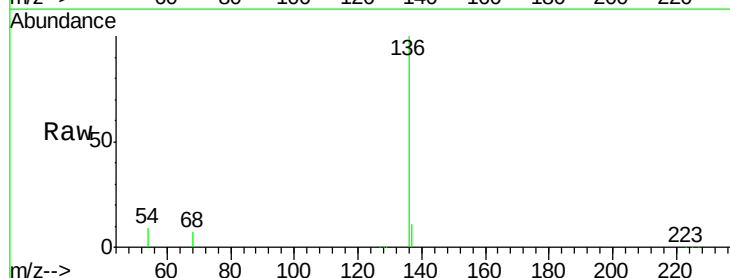
Tgt Ion: 136 Resp: 138950

Ion Ratio Lower Upper

136 100

137 10.9 8.7 13.1

54 9.1 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

80000

60000

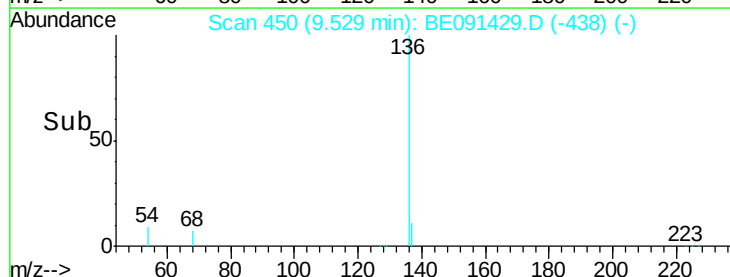
40000

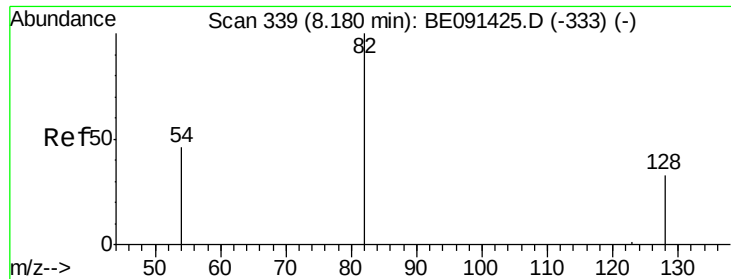
20000

0

9.30 9.40 9.50 9.60 9.70

Time-->





#5

Nitrobenzene-d5

Concen: 0.41 ng

RT: 8.18 min Scan# 339

Delta R.T. 0.00 min

Lab File: BE091429.D

Acq: 3 Mar 2016 19:08

Instrument :

BNA_E

ClientSampleId :

ICVBE030316

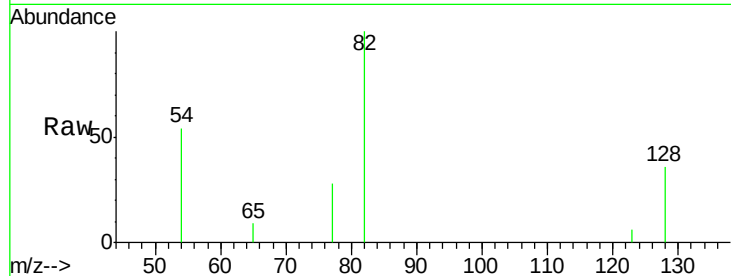
Tgt Ion: 82 Resp: 2727

Ion Ratio Lower Upper

82 100

128 35.8 30.0 45.0

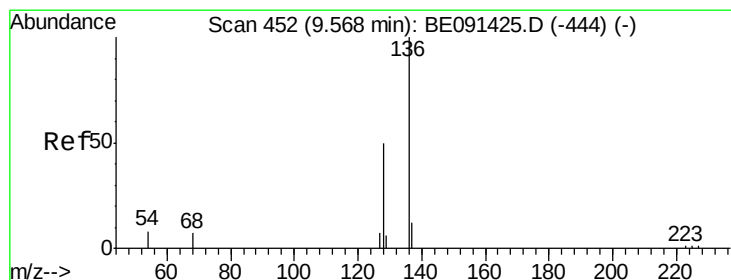
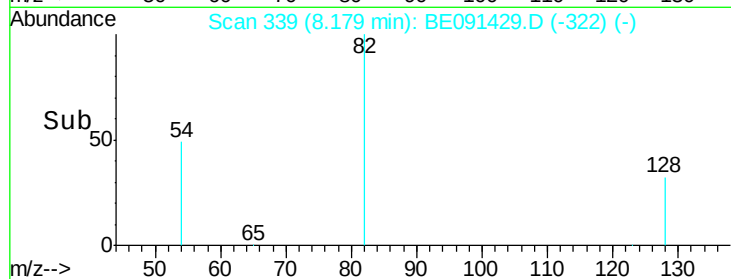
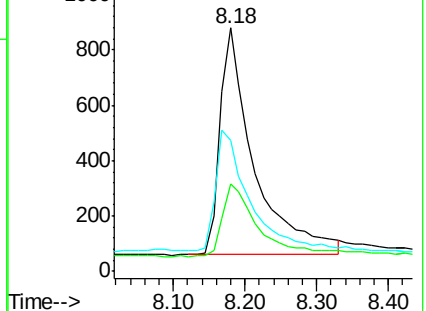
54 53.8 41.5 62.3



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: 0.41 ng

RT: 9.57 min Scan# 452

Delta R.T. -0.00 min

Lab File: BE091429.D

Acq: 3 Mar 2016 19:08

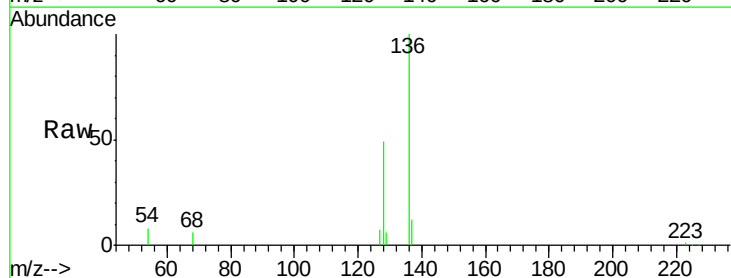
Tgt Ion: 128 Resp: 13203

Ion Ratio Lower Upper

128 100

129 11.4 9.5 14.3

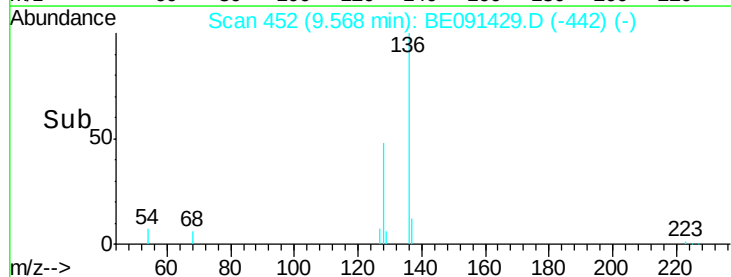
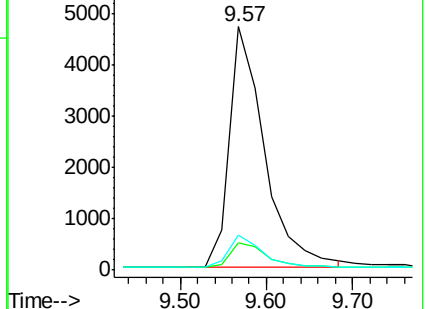
127 14.2 11.4 17.0

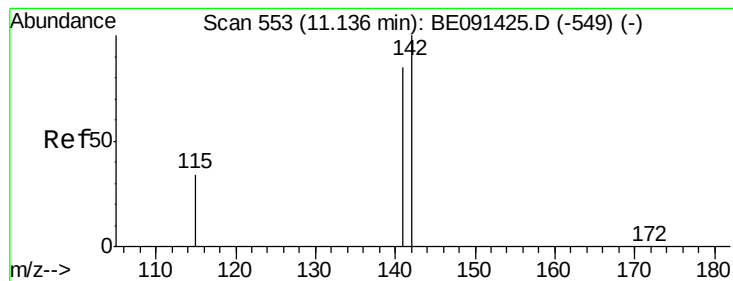


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#7

2-Methylnaphthalene

Concen: 0.39 ng m

RT: 11.14 min Scan# 553

Delta R.T. -0.00 min

Lab File: BE091429.D

Acq: 3 Mar 2016 19:08

Instrument :

BNA_E

ClientSampleId :

ICVBE030316

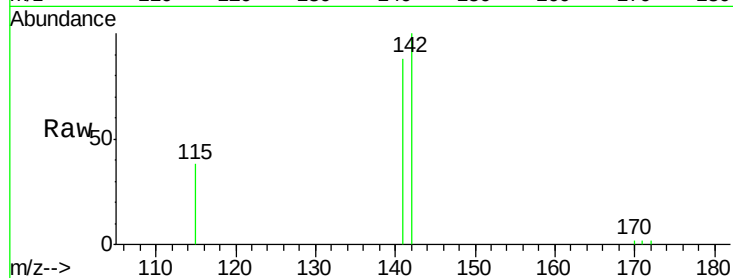
Tgt Ion:142 Resp: 7383

Ion Ratio Lower Upper

142 100

141 87.9 68.3 102.5

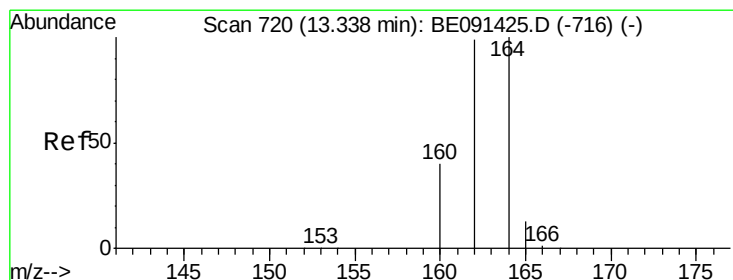
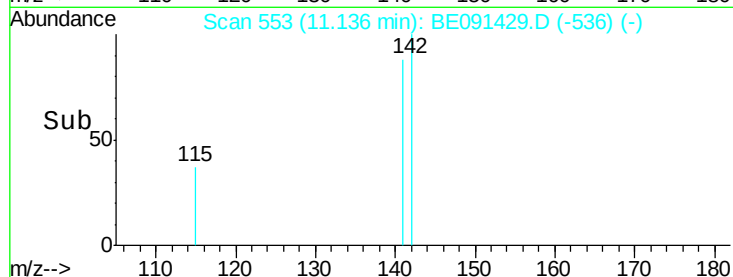
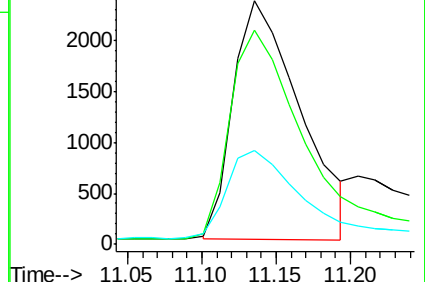
115 38.5 28.9 43.3



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: BE091429.D

Acq: 3 Mar 2016 19:08

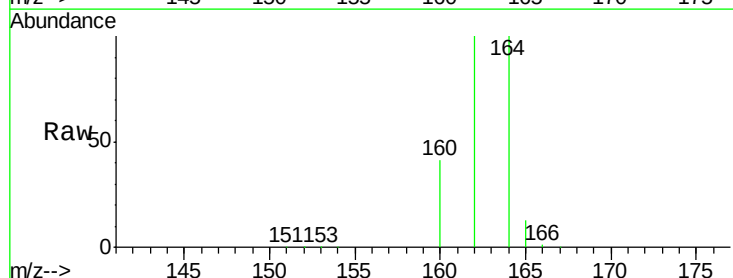
Tgt Ion:164 Resp: 86238

Ion Ratio Lower Upper

164 100

162 99.5 79.1 118.7

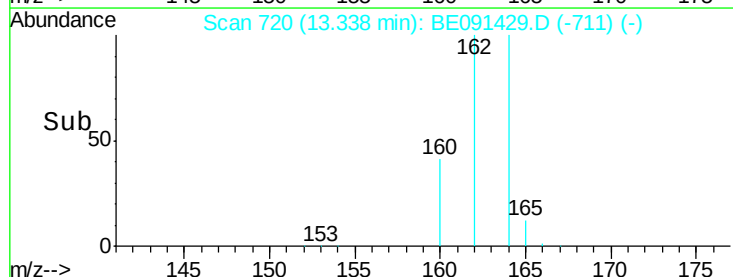
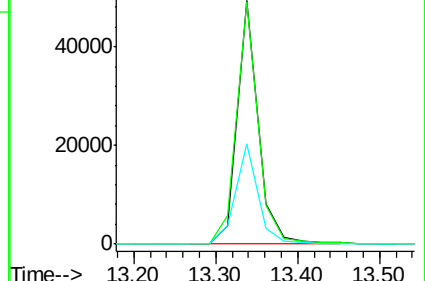
160 41.1 32.4 48.6

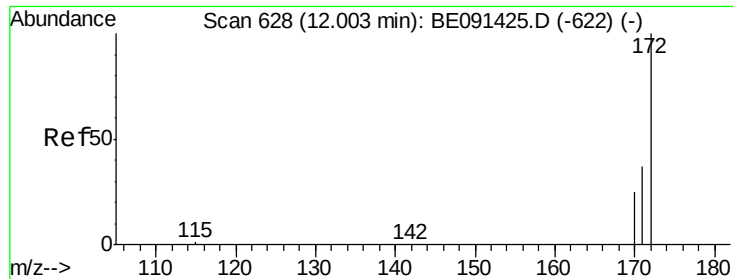


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

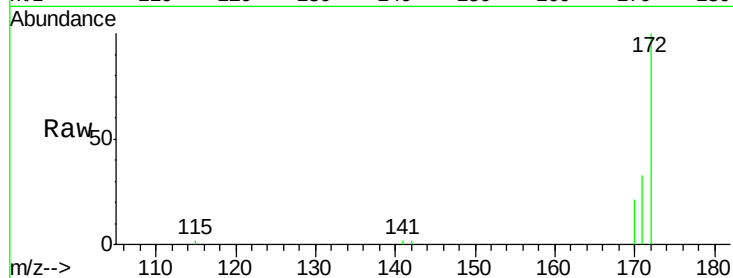




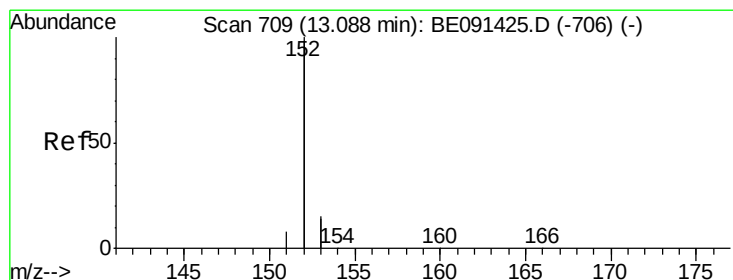
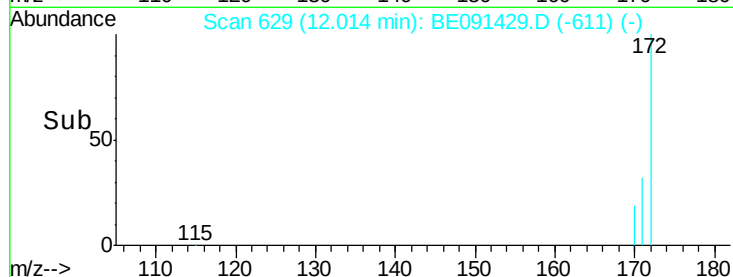
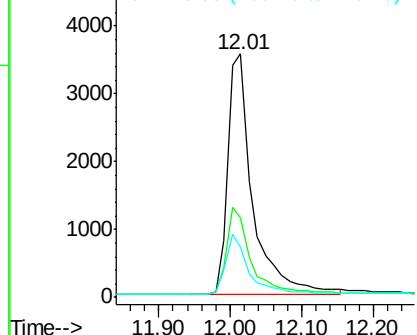
#9
2-Fluorobiphenyl
Concen: 0.41 ng
RT: 12.01 min Scan# 629
Delta R.T. 0.01 min
Lab File: BE091429.D
Acq: 3 Mar 2016 19:08

Instrument :
BNA_E
ClientSampleId :
ICVBE030316

Tgt Ion:172 Resp: 8564
Ion Ratio Lower Upper
172 100
171 32.8 30.2 45.4
170 20.6 20.9 31.3#

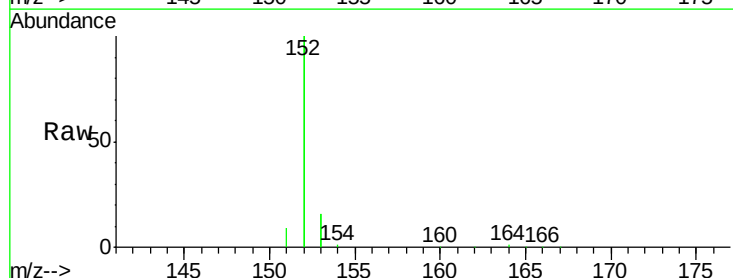


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

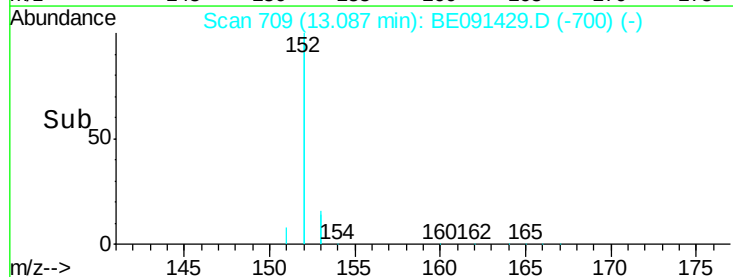
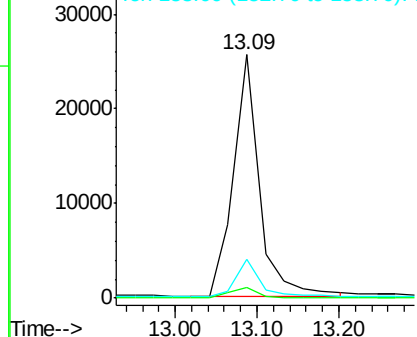


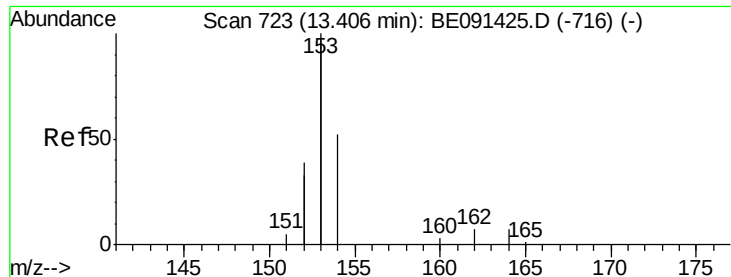
#10
Acenaphthylene
Concen: 0.38 ng
RT: 13.09 min Scan# 709
Delta R.T. -0.00 min
Lab File: BE091429.D
Acq: 3 Mar 2016 19:08

Tgt Ion:152 Resp: 55293
Ion Ratio Lower Upper
152 100
151 4.8 3.9 5.9
153 13.4 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: 0.40 ng

RT: 13.41 min Scan# 723

Delta R.T. -0.00 min

Lab File: BE091429.D

Acq: 3 Mar 2016 19:08

Instrument :

BNA_E

ClientSampleId :

ICVBE030316

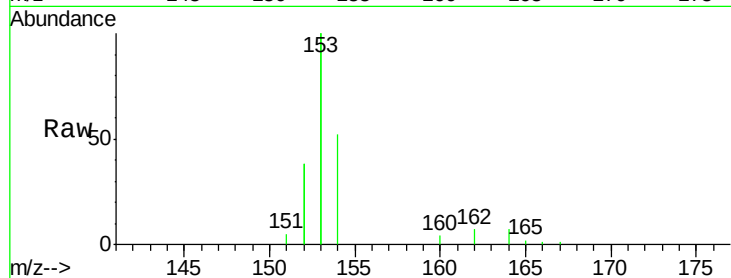
Tgt Ion:154 Resp: 10449

Ion Ratio Lower Upper

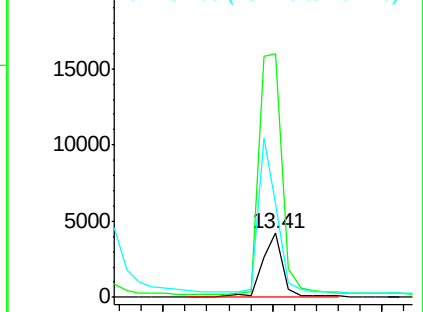
154 100

153 444.2 0.0 0.0#

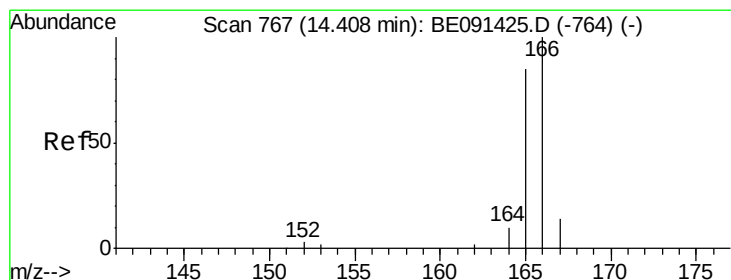
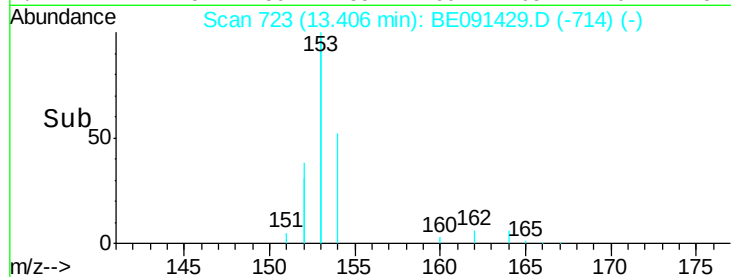
152 0.0 0.0 0.0



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



Time-->



#12

Fluorene

Concen: 0.38 ng

RT: 14.41 min Scan# 767

Delta R.T. -0.00 min

Lab File: BE091429.D

Acq: 3 Mar 2016 19:08

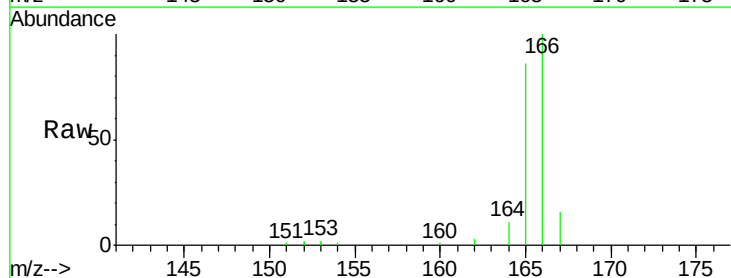
Tgt Ion:166 Resp: 12567

Ion Ratio Lower Upper

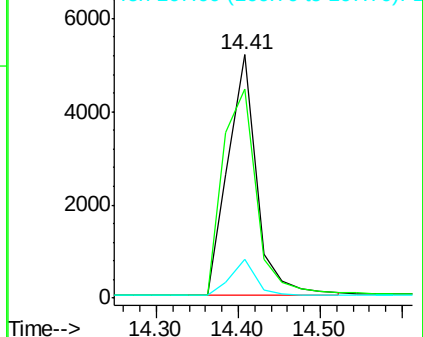
166 100

165 100.4 79.4 119.2

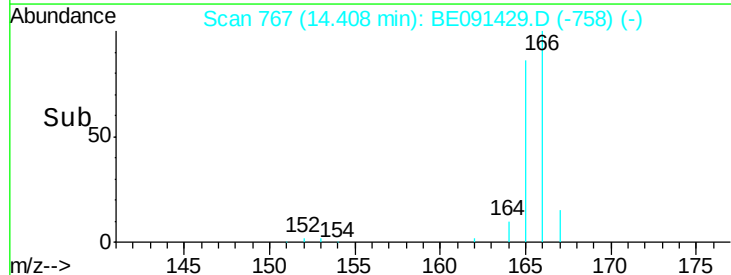
167 14.0 10.7 16.1

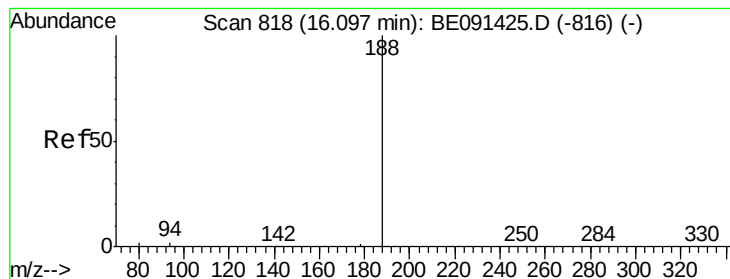


Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E



Time-->





#13

Phenanthrene-d10

Concen: 5.00 ng

RT: 16.10 min Scan# 818

Delta R.T. -0.00 min

Lab File: BE091429.D

Acq: 3 Mar 2016 19:08

Instrument :

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ClientSampleId :

ICVBE030316

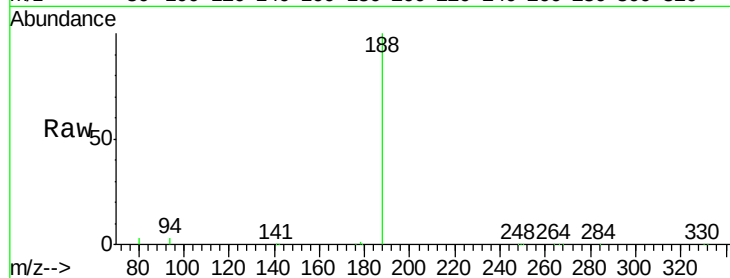
Tgt Ion:188 Resp: 139238

Ion Ratio Lower Upper

188 100

94 2.8 2.1 3.1

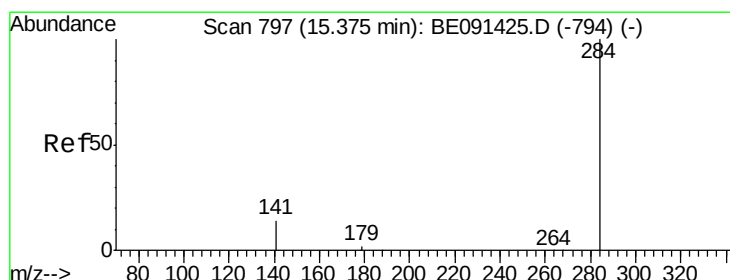
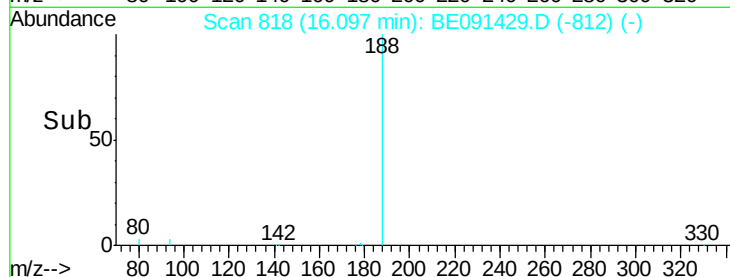
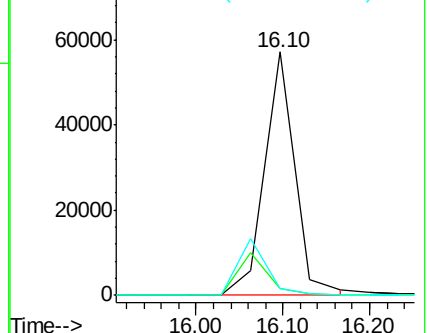
80 2.6 1.9 2.9



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: 0.41 ng

RT: 15.38 min Scan# 797

Delta R.T. -0.00 min

Lab File: BE091429.D

Acq: 3 Mar 2016 19:08

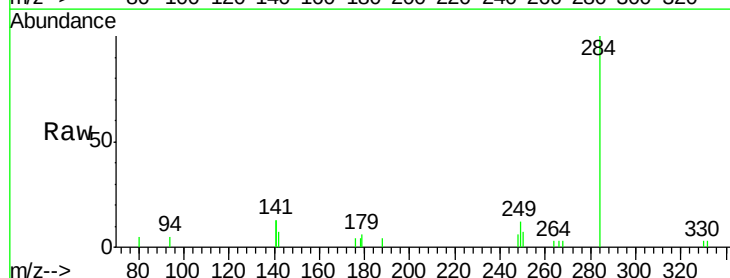
Tgt Ion:284 Resp: 3376

Ion Ratio Lower Upper

284 100

142 0.0 0.0 0.0

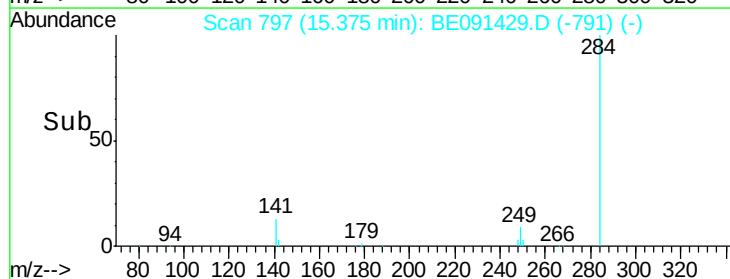
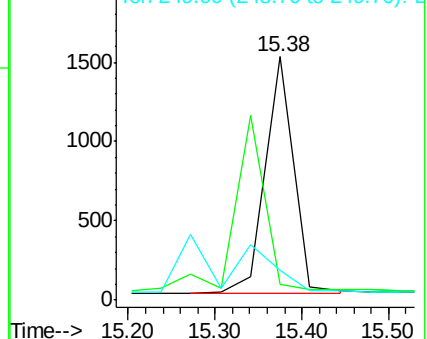
249 0.0 0.0 0.0

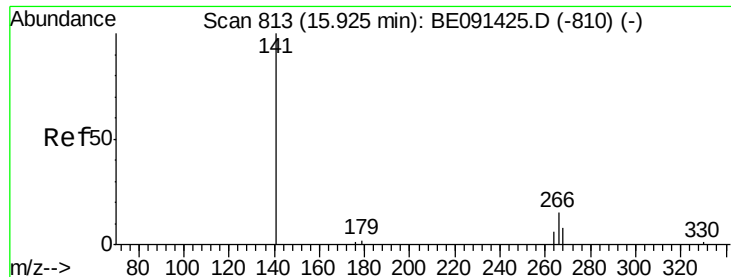


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E

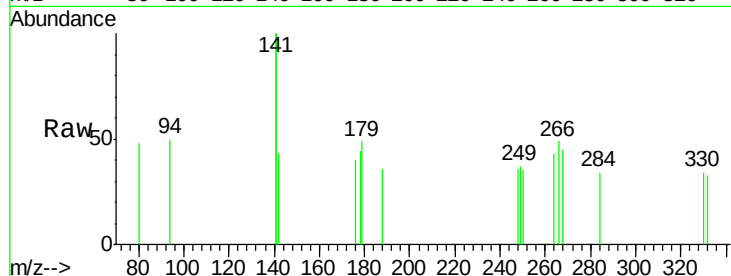




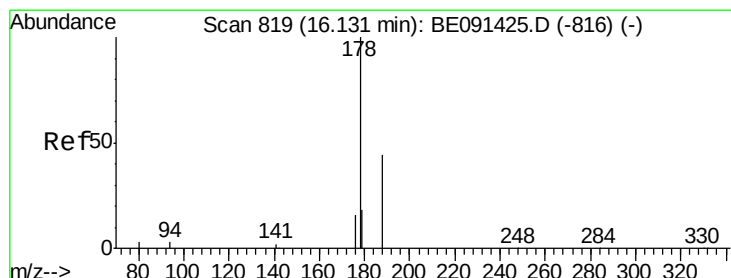
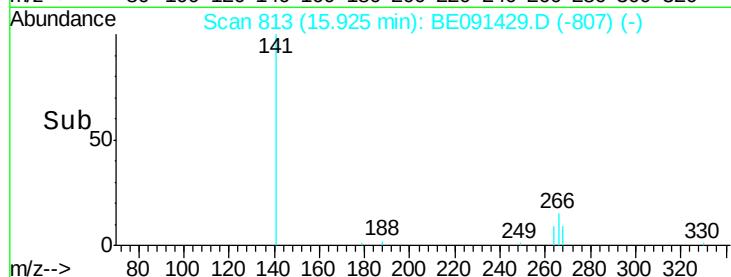
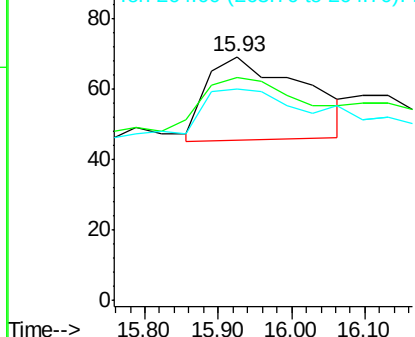
#15
Pentachlorophenol
Concen: 0.50 ng m
RT: 15.93 min Scan# 813
Delta R.T. 0.00 min
Lab File: BE091429.D
Acq: 3 Mar 2016 19:08

Instrument :
BNA_E
ClientSampleId :
ICVBE030316

Tgt Ion: 266 Resp: 223
Ion Ratio Lower Upper
266 100
268 91.3 73.0 109.6
264 87.0 66.1 99.1

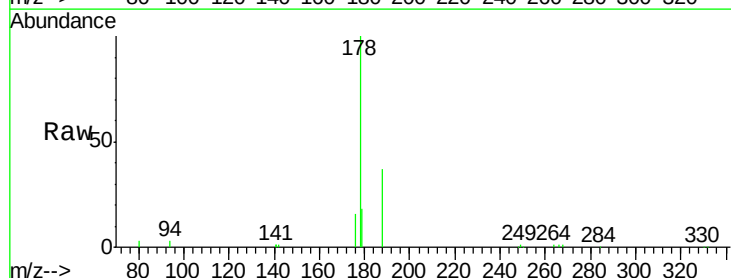


Abundance Ion 265.70 (265.40 to 266.40): E
Ion 268.00 (267.70 to 268.70): E
Ion 264.00 (263.70 to 264.70): E

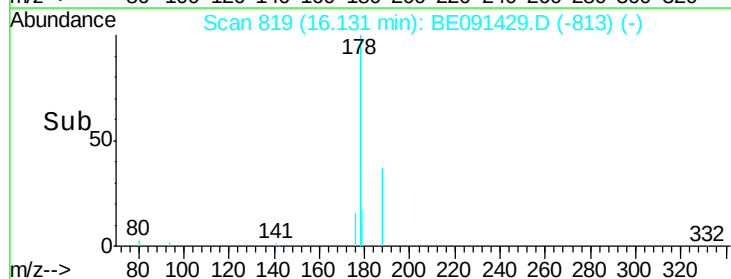
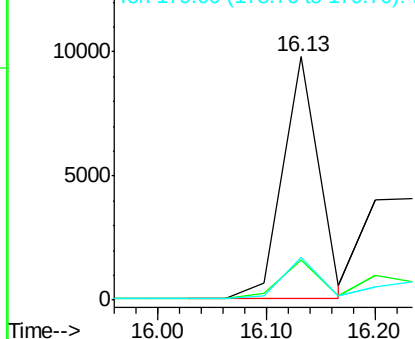


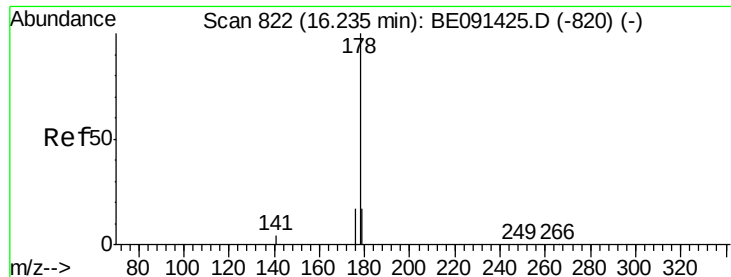
#16
Phenanthrene
Concen: 0.46 ng
RT: 16.13 min Scan# 819
Delta R.T. -0.00 min
Lab File: BE091429.D
Acq: 3 Mar 2016 19:08

Tgt Ion: 178 Resp: 22558
Ion Ratio Lower Upper
178 100
176 16.8 13.8 20.8
179 17.1 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

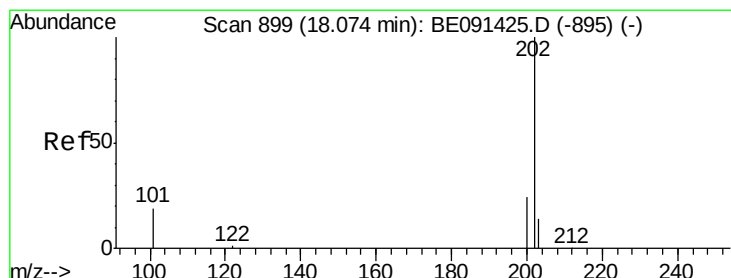
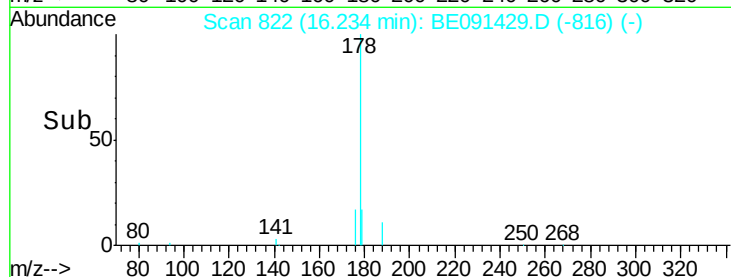
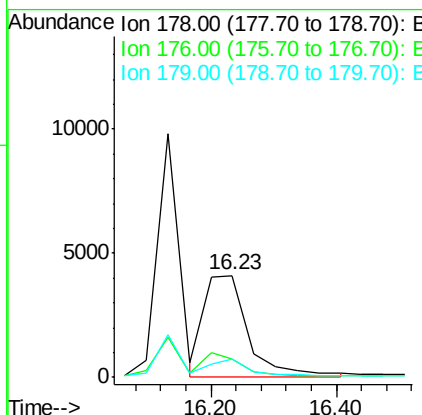
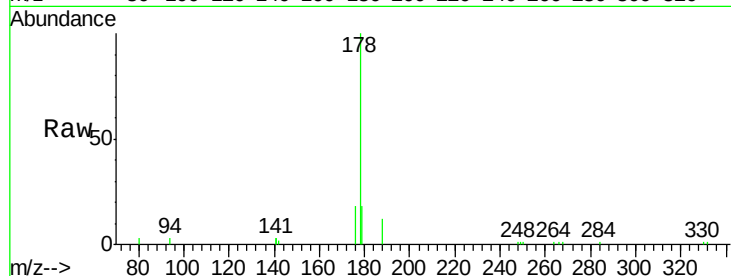




#17
 Anthracene
 Concen: 0.37 ng m
 RT: 16.23 min Scan# 822
 Delta R.T. 0.00 min
 Lab File: BE091429.D
 Acq: 3 Mar 2016 19:08

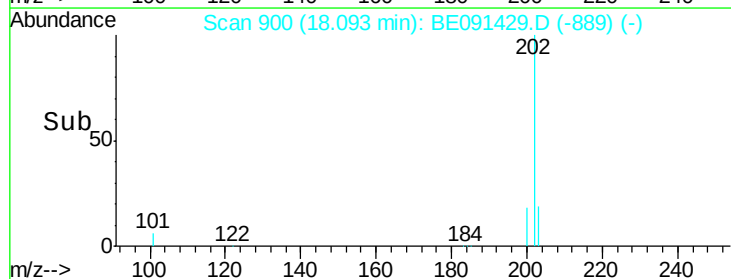
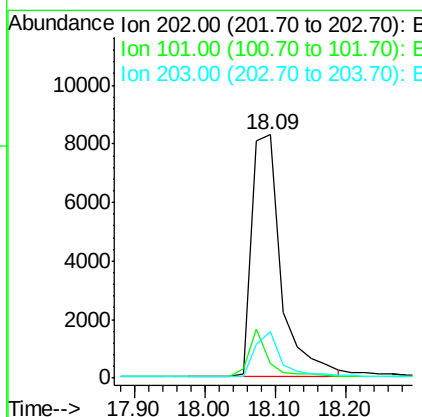
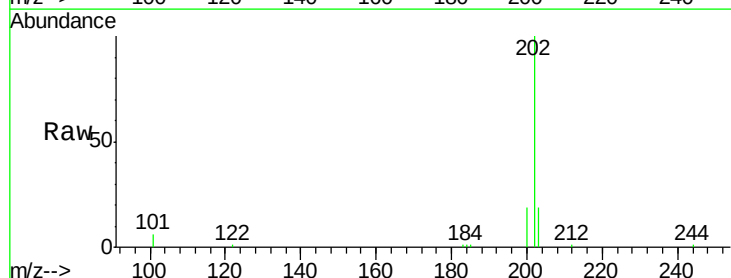
Instrument :
 BNA_E
 ClientSampleId :
 ICVBE030316

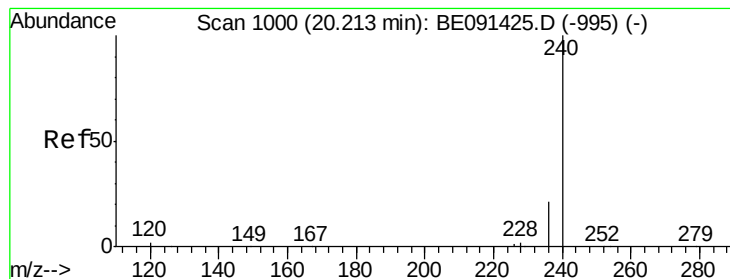
Tgt Ion:178 Resp: 20864
 Ion Ratio Lower Upper
 178 100
 176 30.3 24.4 36.6
 179 18.8 14.8 22.2



#18
 Fluoranthene
 Concen: 0.37 ng
 RT: 18.09 min Scan# 900
 Delta R.T. 0.02 min
 Lab File: BE091429.D
 Acq: 3 Mar 2016 19:08

Tgt Ion:202 Resp: 24109
 Ion Ratio Lower Upper
 202 100
 101 13.2 11.0 16.6
 203 16.8 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: BE091429.D

Acq: 3 Mar 2016 19:08

Instrument :

BNA_E

ClientSampleId :

ICVBE030316

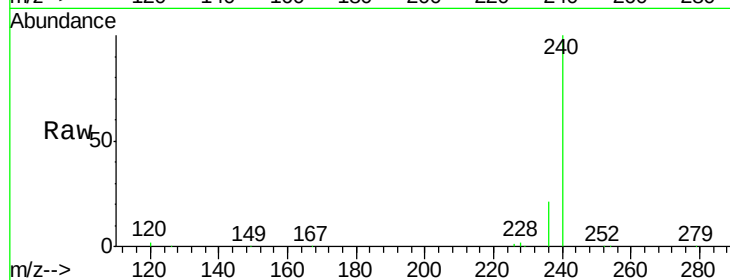
Tgt Ion:240 Resp: 225123

Ion Ratio Lower Upper

240 100

120 1.9 1.4 2.0

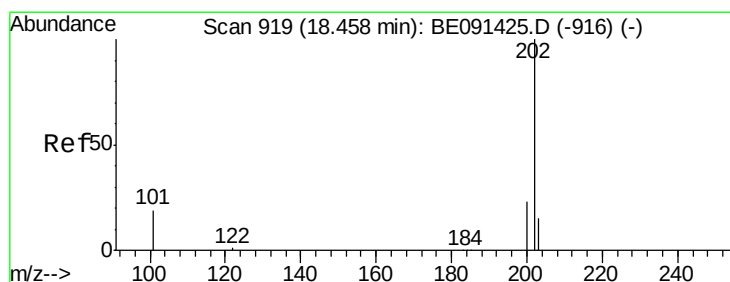
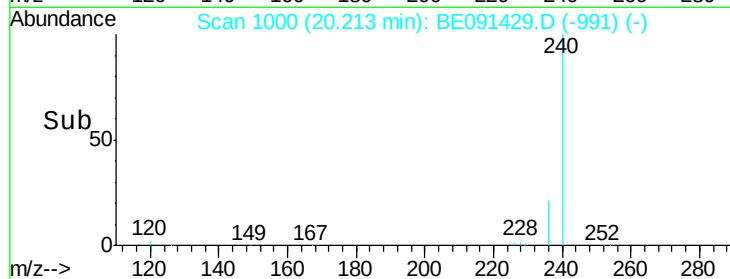
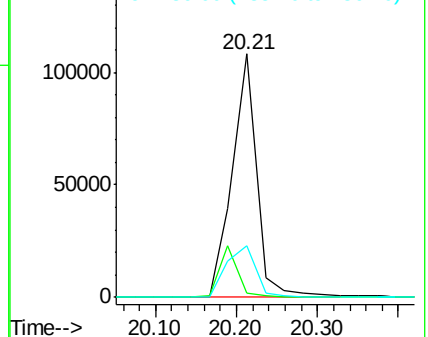
236 21.1 16.7 25.1



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: 0.40 ng

RT: 18.46 min Scan# 919

Delta R.T. -0.00 min

Lab File: BE091429.D

Acq: 3 Mar 2016 19:08

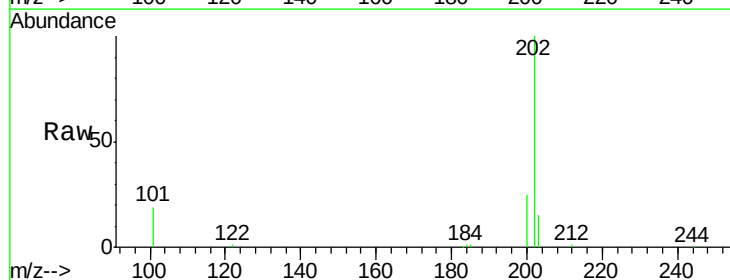
Tgt Ion:202 Resp: 25906

Ion Ratio Lower Upper

202 100

200 21.1 16.5 24.7

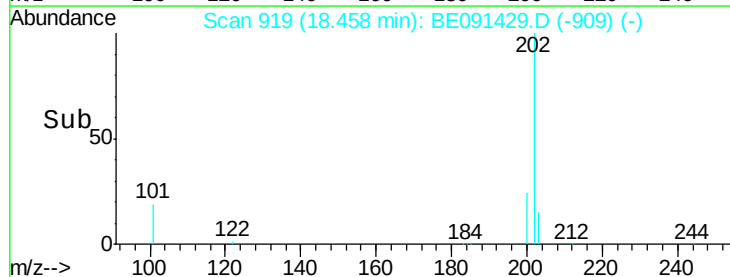
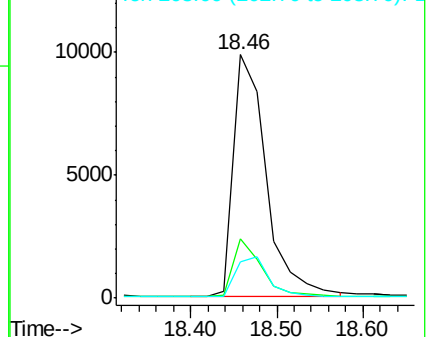
203 17.2 13.8 20.6

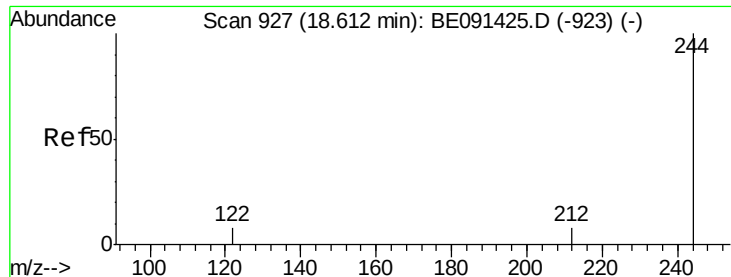


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

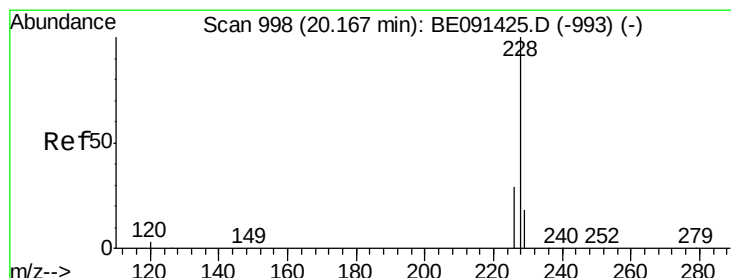
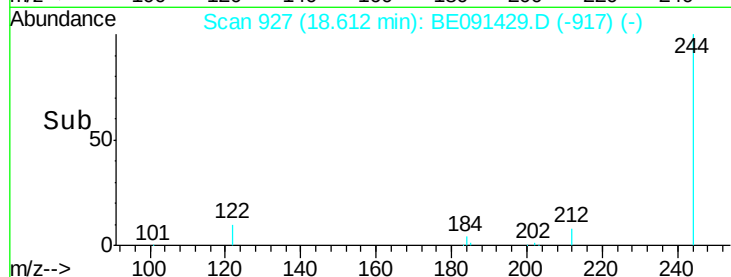
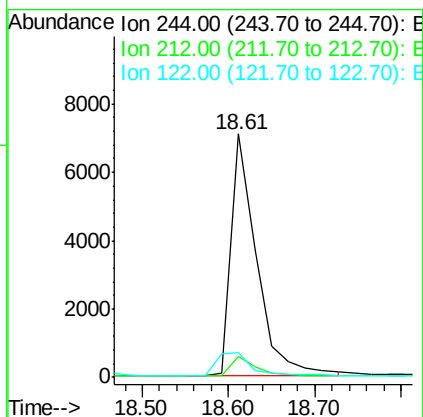
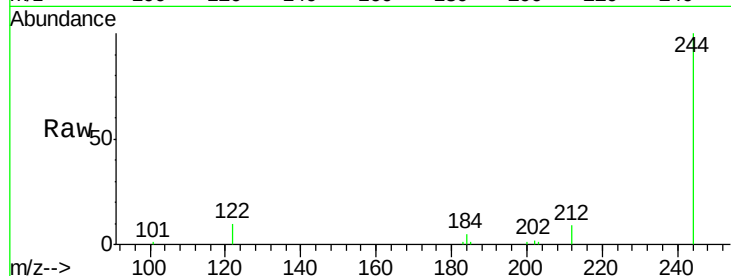




#21
 Terphenyl-d14
 Concen: 0.43 ng
 RT: 18.61 min Scan# 927
 Delta R.T. -0.00 min
 Lab File: BE091429.D
 Acq: 3 Mar 2016 19:08

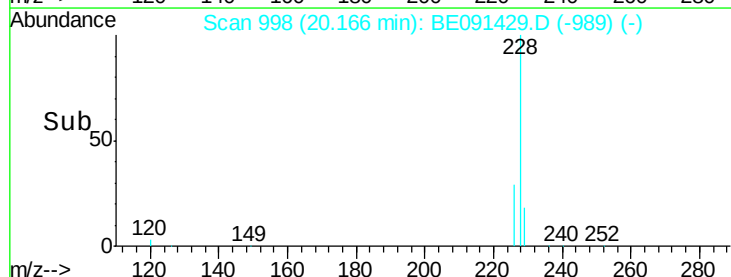
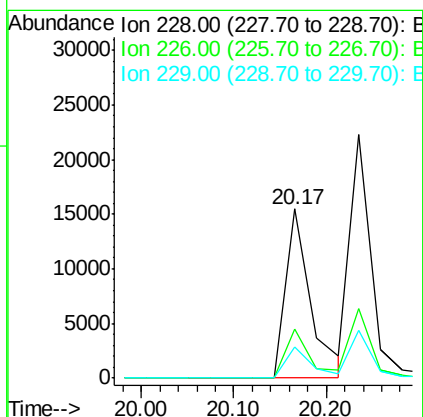
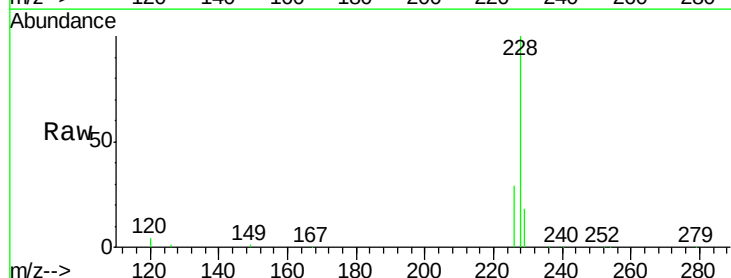
Instrument :
 BNA_E
 ClientSampleId :
 ICVBE030316

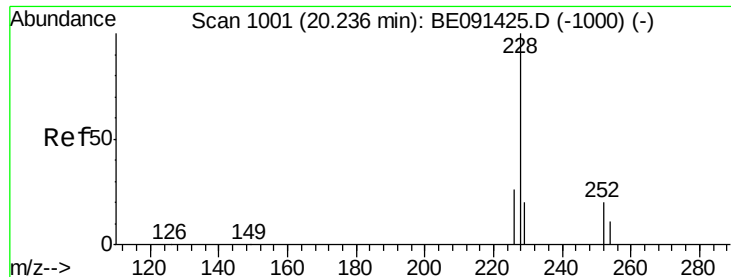
Tgt Ion:244 Resp: 14587
 Ion Ratio Lower Upper
 244 100
 212 8.7 7.0 10.6
 122 10.2 6.8 10.2#



#22
 Benzo(a)anthracene
 Concen: 0.38 ng
 RT: 20.17 min Scan# 998
 Delta R.T. -0.00 min
 Lab File: BE091429.D
 Acq: 3 Mar 2016 19:08

Tgt Ion:228 Resp: 29047
 Ion Ratio Lower Upper
 228 100
 226 28.9 23.1 34.7
 229 18.1 14.5 21.7

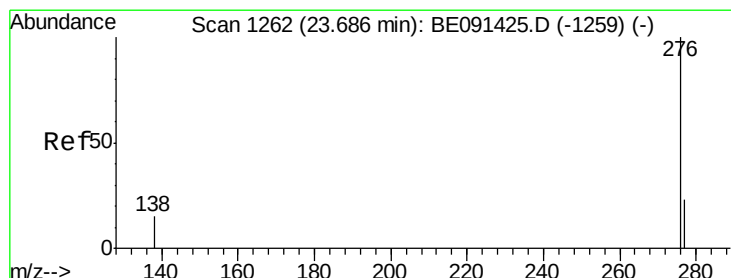
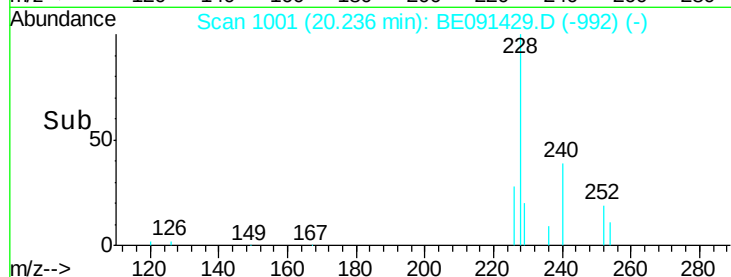
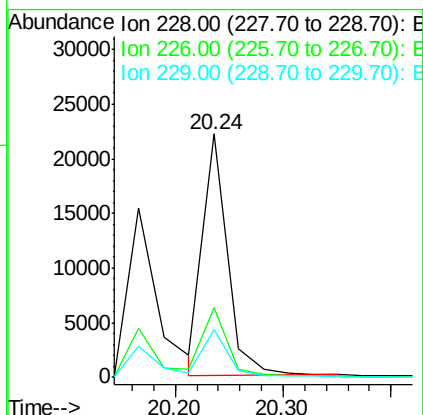
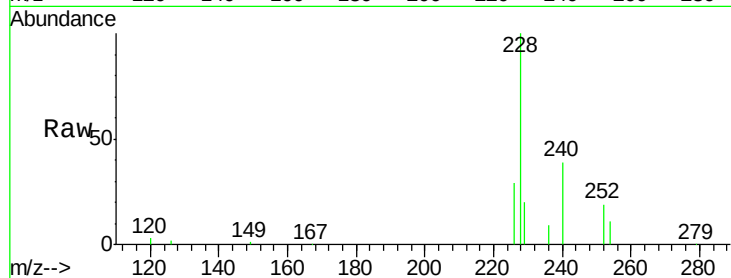




#23
Chrysene
Concen: 0.42 ng
RT: 20.24 min Scan# 1001
Delta R.T. -0.00 min
Lab File: BE091429.D
Acq: 3 Mar 2016 19:08

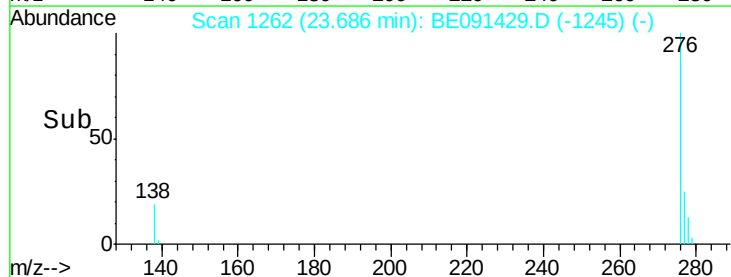
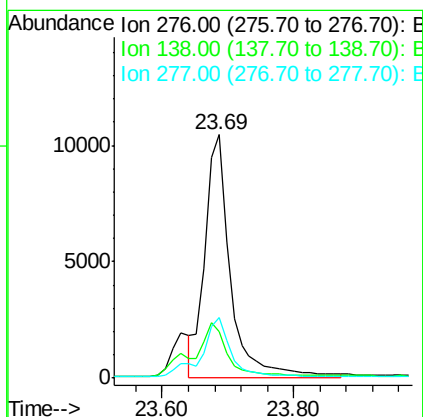
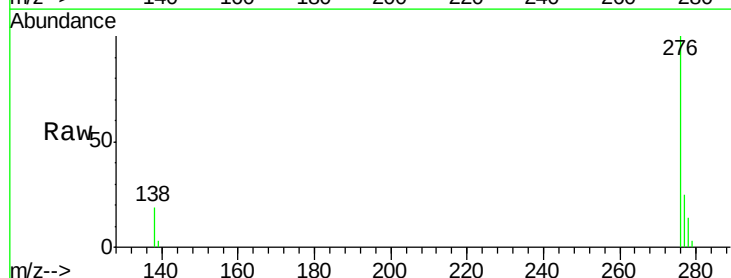
Instrument :
BNA_E
ClientSampleId :
ICVBE030316

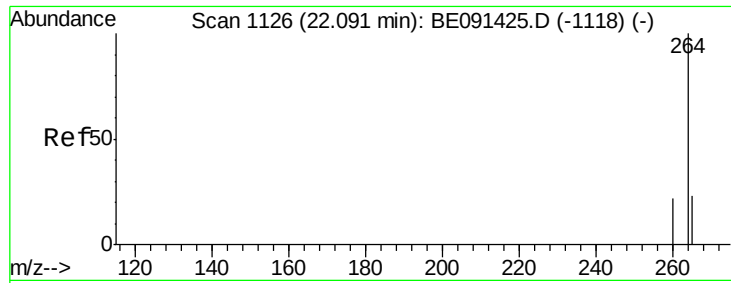
Tgt Ion: 228 Resp: 35403
Ion Ratio Lower Upper
228 100
226 28.6 22.0 33.0
229 19.7 16.2 24.2



#24
Indeno(1,2,3-cd)pyrene
Concen: 0.42 ng m
RT: 23.69 min Scan# 1262
Delta R.T. -0.00 min
Lab File: BE091429.D
Acq: 3 Mar 2016 19:08

Tgt Ion: 276 Resp: 28613
Ion Ratio Lower Upper
276 100
138 28.8 16.1 24.1#
277 27.4 22.9 34.3





#25

Perylene-d12

Concen: 5.00 ng

RT: 22.09 min Scan# 1126

Delta R.T. -0.00 min

Lab File: BE091429.D

Acq: 3 Mar 2016 19:08

Instrument :

BNA_E

ClientSampleId :

ICVBE030316

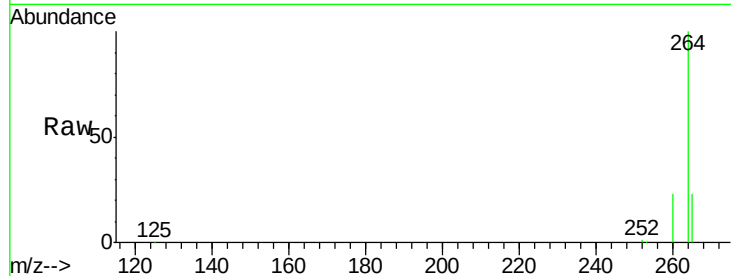
Tgt Ion:264 Resp: 259119

Ion Ratio Lower Upper

264 100

260 22.5 18.0 27.0

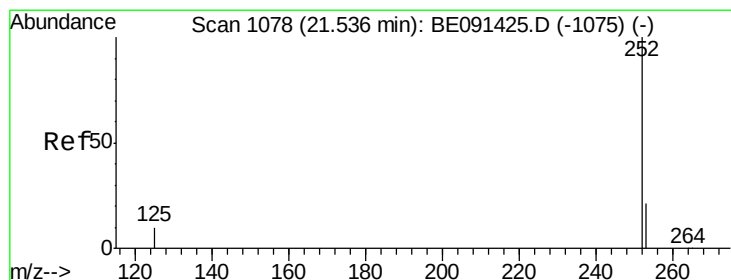
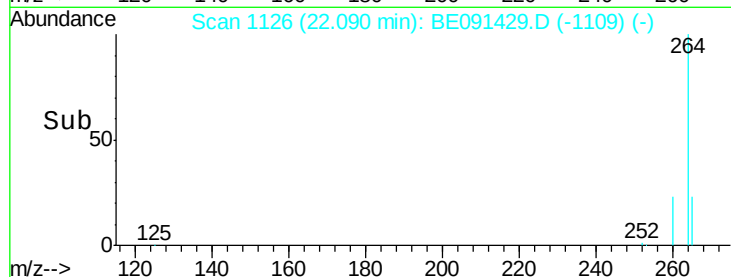
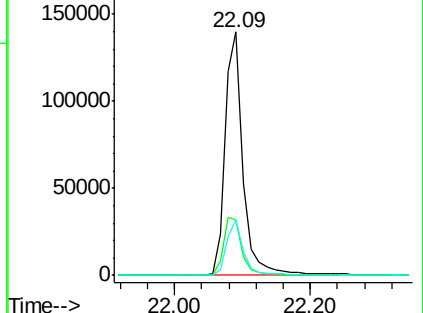
265 22.7 18.2 27.4



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: 0.38 ng m

RT: 21.54 min Scan# 1078

Delta R.T. -0.00 min

Lab File: BE091429.D

Acq: 3 Mar 2016 19:08

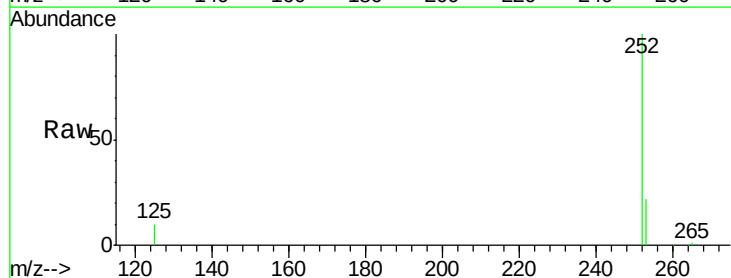
Tgt Ion:252 Resp: 27282

Ion Ratio Lower Upper

252 100

253 21.7 17.0 25.4

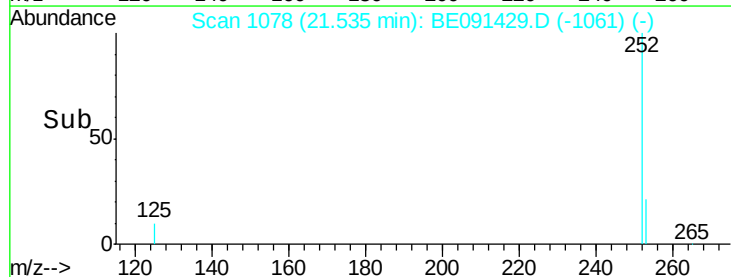
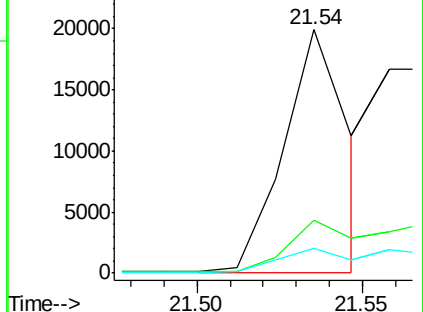
125 10.2 8.3 12.5

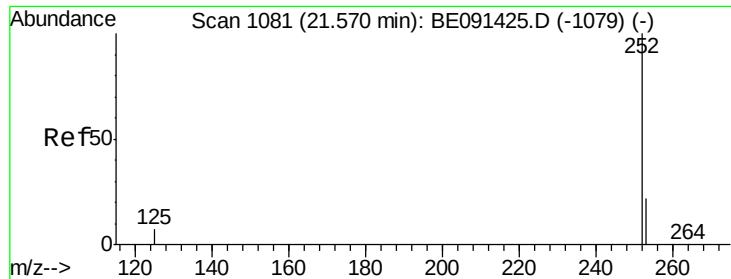


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

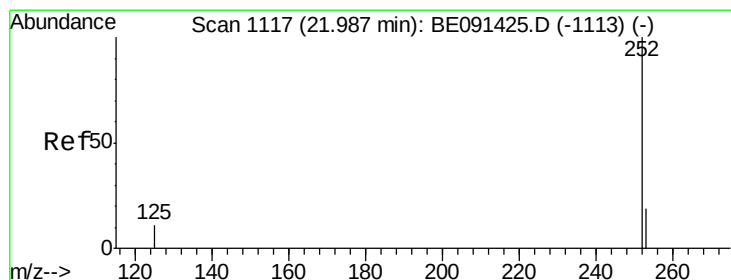
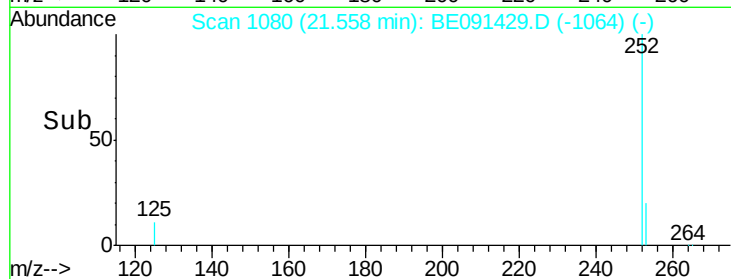
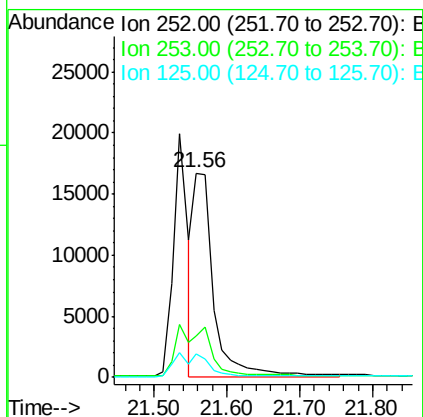
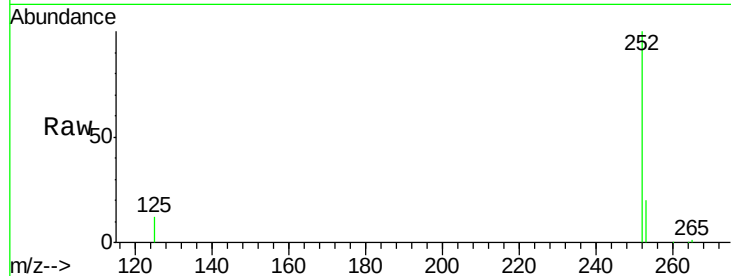




#27
Benzo(k)fluoranthene
Concen: 0.48 ng m
RT: 21.56 min Scan# 1080
Delta R.T. -0.01 min
Lab File: BE091429.D
Acq: 3 Mar 2016 19:08

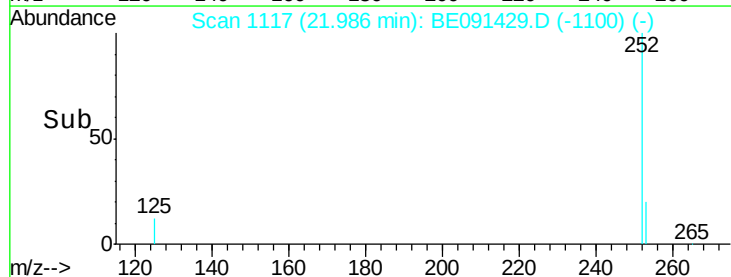
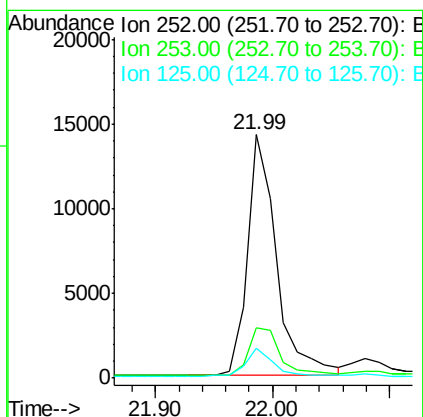
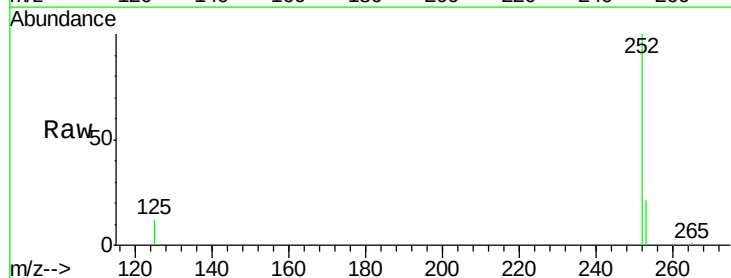
Instrument :
BNA_E
ClientSampleId :
ICVBE030316

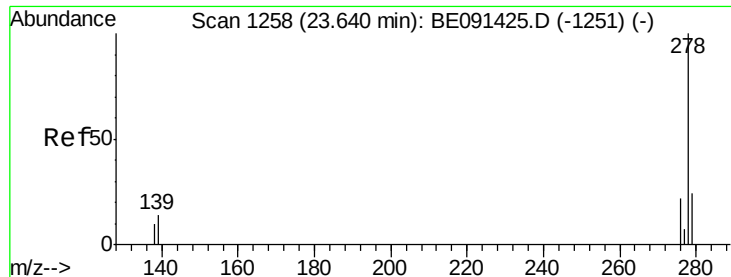
Tgt Ion:252 Resp: 33409
Ion Ratio Lower Upper
252 100
253 20.2 19.5 29.3
125 11.6 7.3 10.9#



#28
Benzo(a)pyrene
Concen: 0.40 ng
RT: 21.99 min Scan# 1117
Delta R.T. -0.00 min
Lab File: BE091429.D
Acq: 3 Mar 2016 19:08

Tgt Ion:252 Resp: 24739
Ion Ratio Lower Upper
252 100
253 20.7 16.2 24.4
125 12.4 9.6 14.4





#29

Dibenzo(a,h)anthracene

Concen: 0.41 ng

RT: 23.64 min Scan# 1258

Delta R.T. -0.00 min

Lab File: BE091429.D

Acq: 3 Mar 2016 19:08

Instrument :

BNA_E

ClientSampleId :

ICVBE030316

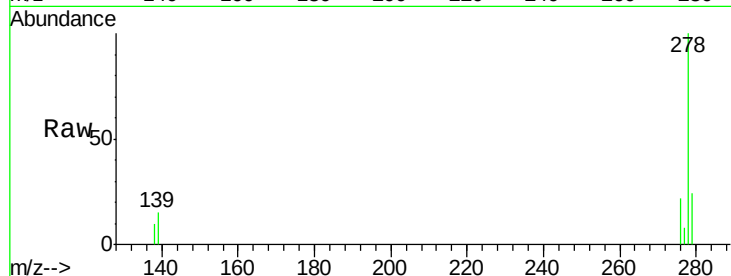
Tgt Ion: 278 Resp: 24381

Ion Ratio Lower Upper

278 100

139 14.5 12.1 18.1

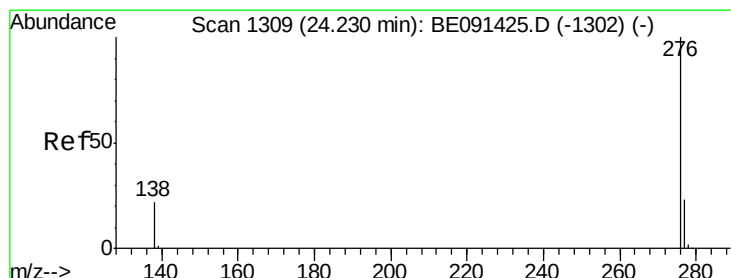
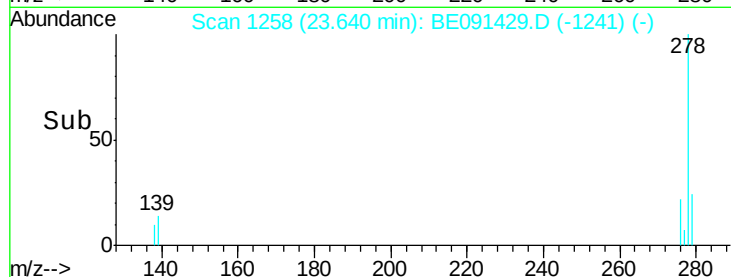
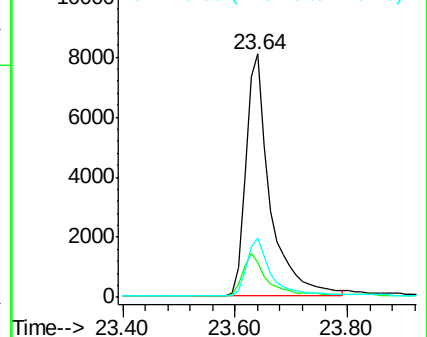
279 24.4 19.4 29.0



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: 0.42 ng

RT: 24.23 min Scan# 1309

Delta R.T. -0.00 min

Lab File: BE091429.D

Acq: 3 Mar 2016 19:08

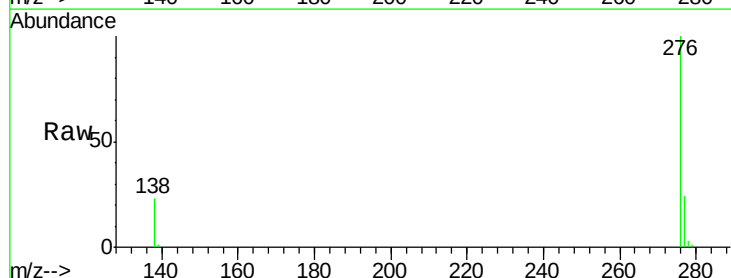
Tgt Ion: 276 Resp: 26907

Ion Ratio Lower Upper

276 100

277 23.8 19.0 28.6

138 23.2 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

