

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE030316\
 Data File : BE091427.D
 Acq On : 3 Mar 2016 17:53
 Operator : UM/IZ
 Sample : SSTDICC1.6
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC1.6

Quant Time: Mar 04 03:22:58 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

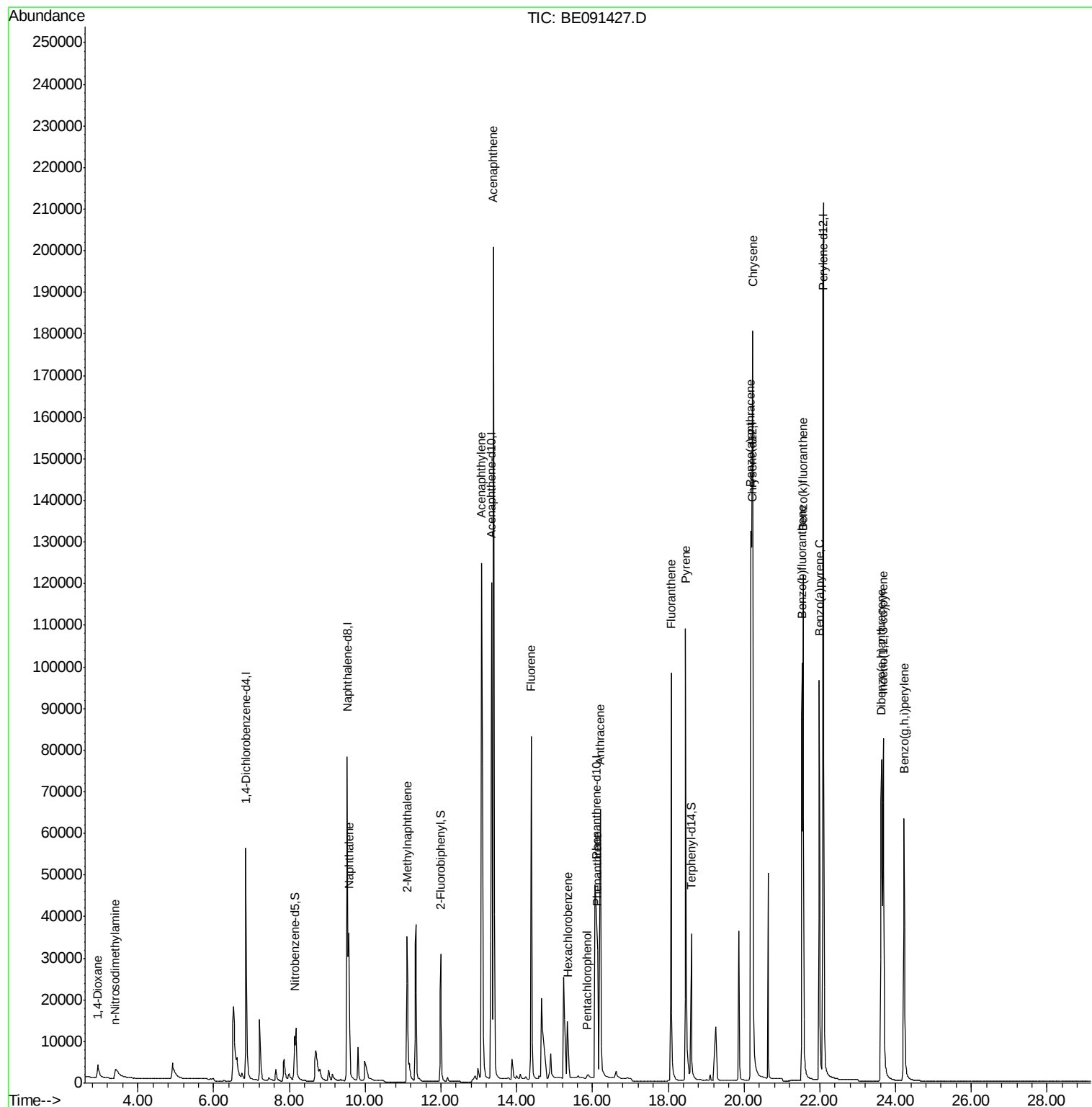
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	31150	5.00	ng	-0.02
4) Naphthalene-d8	9.53	136	144182	5.00	ng	0.00
8) Acenaphthene-d10	13.34	164	84128	5.00	ng	0.00
13) Phenanthrene-d10	16.10	188	99787	5.00	ng	0.00
19) Chrysene-d12	20.21	240	228899	5.00	ng	0.00
25) Perylene-d12	22.09	264	269176	5.00	ng	0.00
System Monitoring Compounds						
5) Nitrobenzene-d5	8.13	82	13367	1.68	ng	-0.05
9) 2-Fluorobiphenyl	11.99	172	35361	1.62	ng	-0.01
21) Terphenyl-d14	18.61	244	56816	1.65	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.93	88	4816	0.93	ng	84
3) n-Nitrosodimethylamine	3.40	42	6146	14.23	ng	# 84
6) Naphthalene	9.57	128	54733	1.78	ng	97
7) 2-Methylnaphthalene	11.10	142	33646	1.82	ng	98
10) Acenaphthylene	13.06	152	244192	2.18	ng	# 76
11) Acenaphthene	13.38	154	40712	1.96	ng	# 100
12) Fluorene	14.39	166	59940	2.19	ng	98
14) Hexachlorobenzene	15.34	284	8155	1.78	ng	# 100
15) Pentachlorophenol	15.86	266	1955	4.42	ng	# 81
16) Phenanthrene	16.13	178	58586m	2.30	ng	
17) Anthracene	16.20	178	115133m	5.04	ng	
18) Fluoranthene	18.07	202	109415	4.32	ng	98
20) Pyrene	18.46	202	113753	2.17	ng	100
22) Benzo(a)anthracene	20.17	228	148417	3.14	ng	96
23) Chrysene	20.24	228	129573	2.02	ng	98
24) Indeno(1,2,3-cd)pyrene	23.67	276	118137m	2.59	ng	
26) Benzo(b)fluoranthene	21.54	252	135271m	2.43	ng	
27) Benzo(k)fluoranthene	21.56	252	117109m	1.78	ng	
28) Benzo(a)pyrene	21.99	252	111845	2.19	ng	98
29) Dibenzo(a,h)anthracene	23.63	278	108106	2.54	ng	99
30) Benzo(g,h,i)perylene	24.22	276	114794	2.10	ng	96

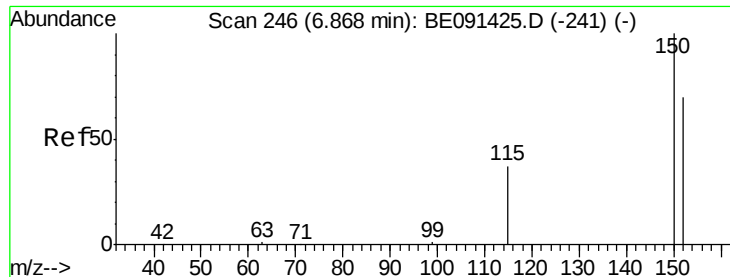
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE030316\
Data File : BE091427.D
Acq On : 3 Mar 2016 17:53
Operator : UM/IZ
Sample : SSTDICC1.6
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDICC1.6

Quant Time: Mar 04 03:22:58 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





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 6.85 min Scan# 245

Delta R.T. -0.02 min

Lab File: BE091427.D

Acq: 3 Mar 2016 17:53

Instrument :

BNA_E

ClientSampleId :

SSTDICC1.6

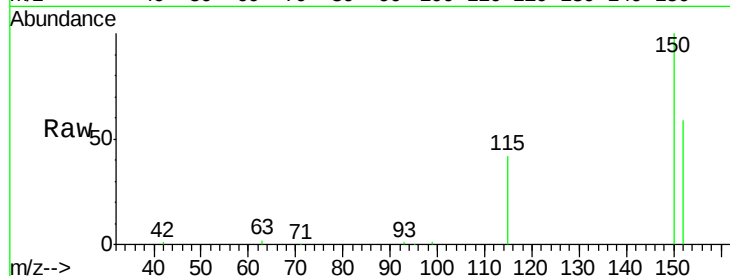
Tgt Ion:152 Resp: 31150

Ion Ratio Lower Upper

152 100

150 168.4 115.0 172.4

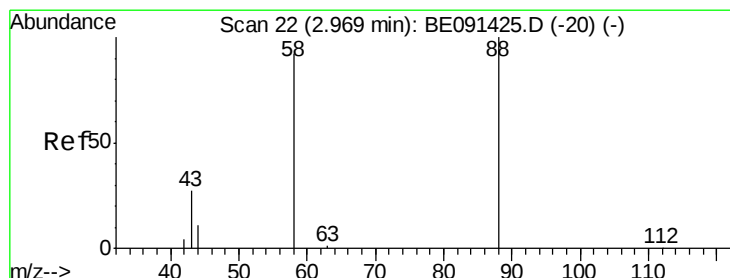
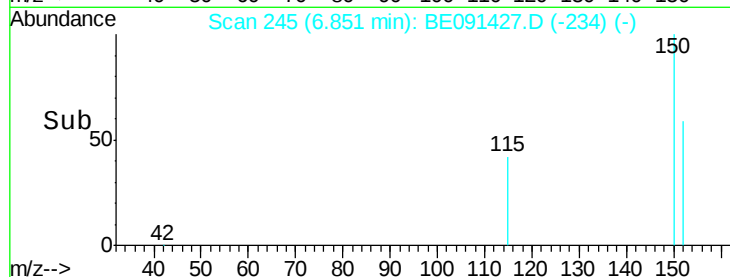
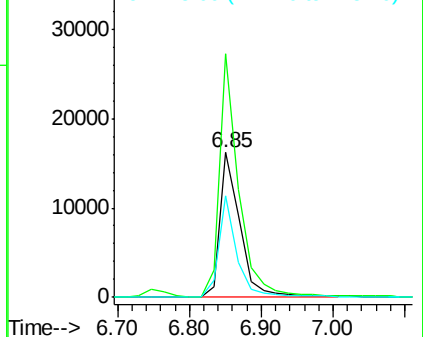
115 70.6 42.2 63.4#



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: 0.93 ng

RT: 2.93 min Scan# 20

Delta R.T. -0.04 min

Lab File: BE091427.D

Acq: 3 Mar 2016 17:53

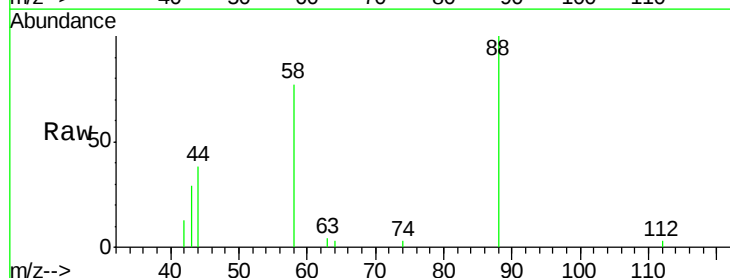
Tgt Ion: 88 Resp: 4816

Ion Ratio Lower Upper

88 100

58 99.6 96.9 145.3

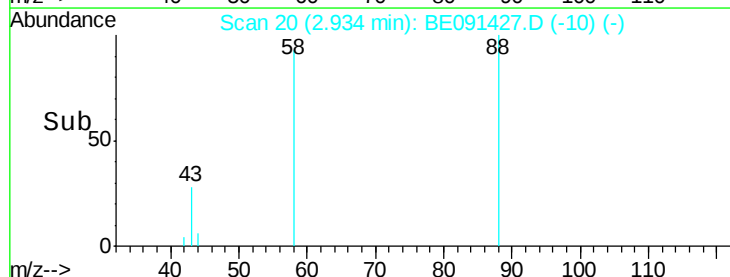
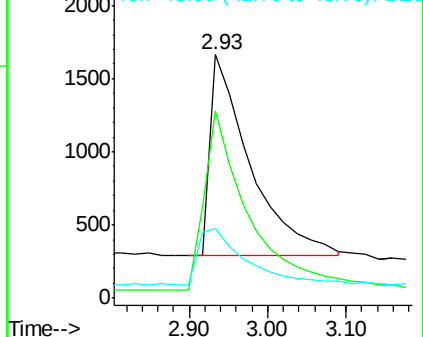
43 33.6 29.3 43.9

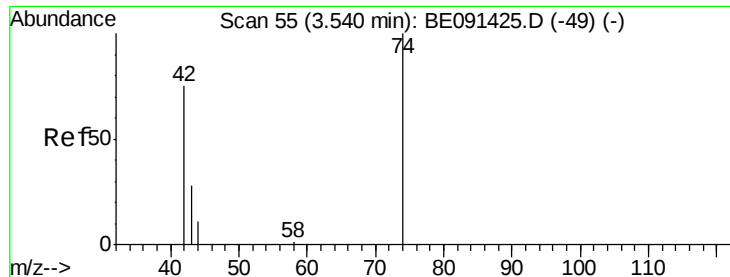


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0

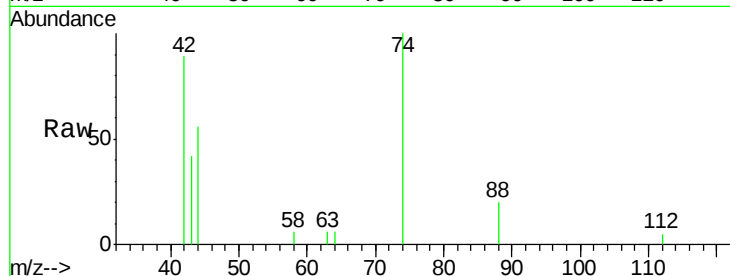




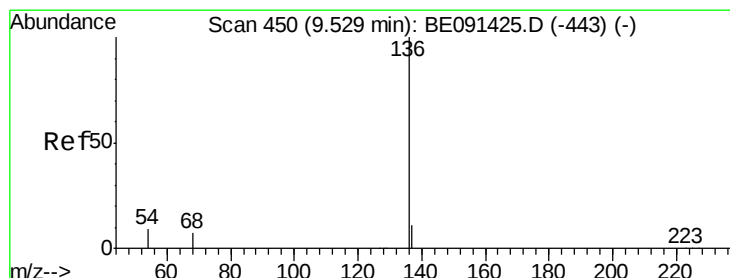
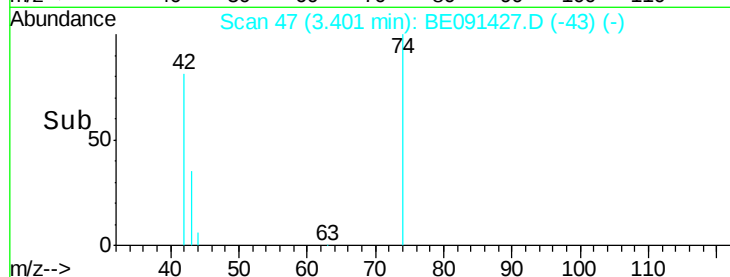
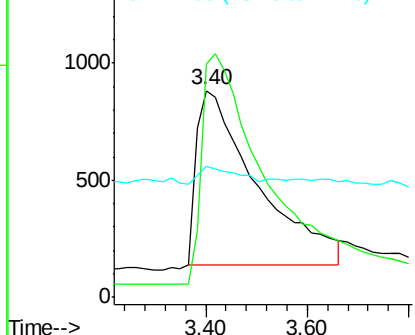
#3
n-Nitrosodimethylamine
Concen: 14.23 ng
RT: 3.40 min Scan# 47
Delta R.T. -0.14 min
Lab File: BE091427.D
Acq: 3 Mar 2016 17:53

Instrument :
BNA_E
ClientSampleId :
SSTDICC1.6

Tgt Ion: 42 Resp: 6146
Ion Ratio Lower Upper
42 100
74 138.4 96.6 144.8
44 6.7 0.0 0.0#

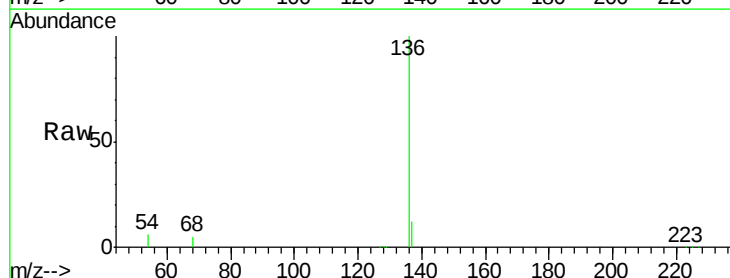


Abundance Ion 42.00 (41.70 to 42.70): BE0
Ion 74.00 (73.70 to 74.70): BE0
Ion 44.00 (43.70 to 44.70): BE0

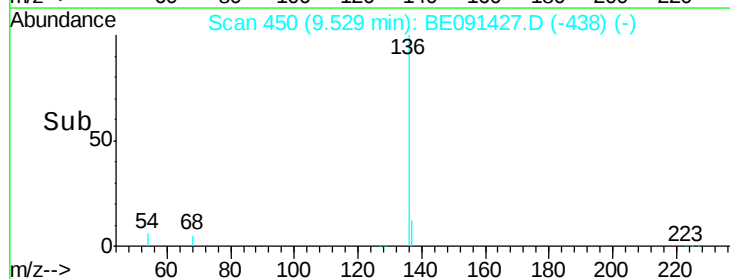
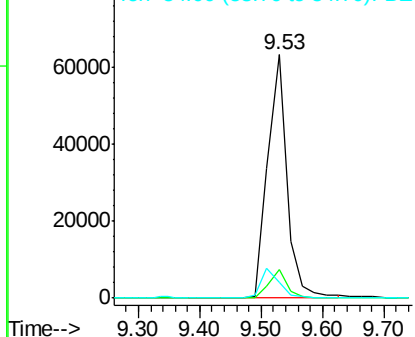


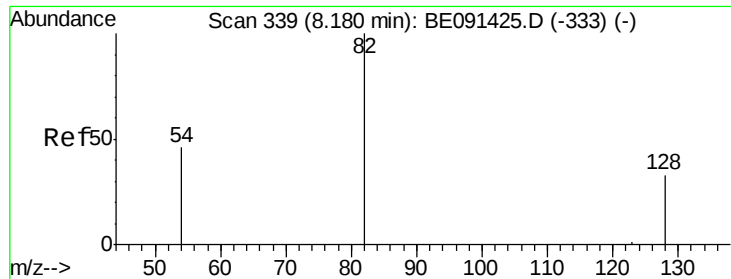
#4
Naphthalene-d8
Concen: 5.00 ng
RT: 9.53 min Scan# 450
Delta R.T. -0.00 min
Lab File: BE091427.D
Acq: 3 Mar 2016 17:53

Tgt Ion: 136 Resp: 144182
Ion Ratio Lower Upper
136 100
137 11.7 8.7 13.1
54 6.4 6.9 10.3#



Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BE0





#5

Nitrobenzene-d5

Concen: 1.68 ng

RT: 8.13 min Scan# 335

Delta R.T. -0.05 min

Lab File: BE091427.D

Acq: 3 Mar 2016 17:53

Instrument :

BNA_E

ClientSampleId :

SSTDICC1.6

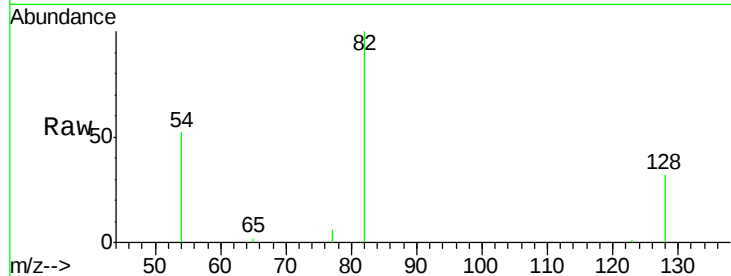
Tgt Ion: 82 Resp: 13367

Ion Ratio Lower Upper

82 100

128 32.4 30.0 45.0

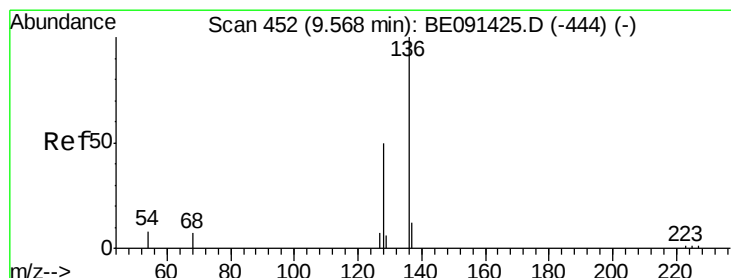
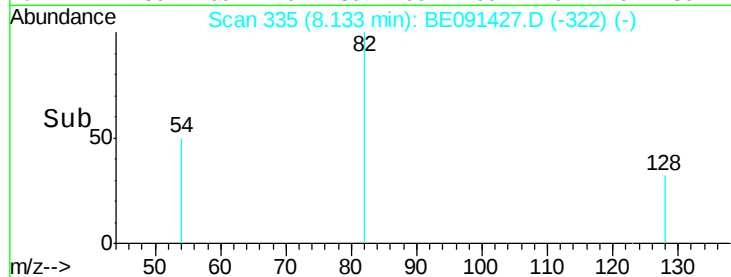
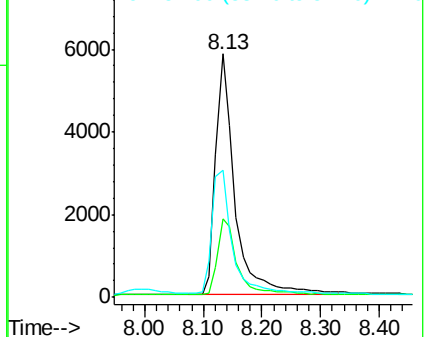
54 52.4 41.5 62.3



Abundance Ion 82.00 (81.70 to 82.70): BE091427.D (-333) (-)

Ion 128.00 (127.70 to 128.70): BE091427.D (-333) (-)

Ion 54.00 (53.70 to 54.70): BE091427.D (-333) (-)



#6

Naphthalene

Concen: 1.78 ng

RT: 9.57 min Scan# 452

Delta R.T. -0.00 min

Lab File: BE091427.D

Acq: 3 Mar 2016 17:53

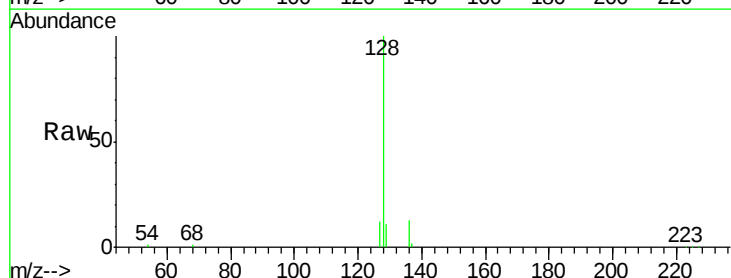
Tgt Ion: 128 Resp: 54733

Ion Ratio Lower Upper

128 100

129 11.4 9.5 14.3

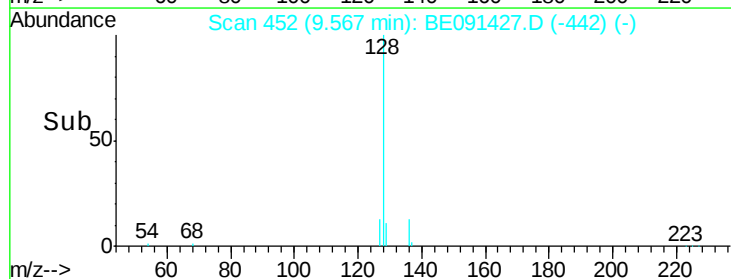
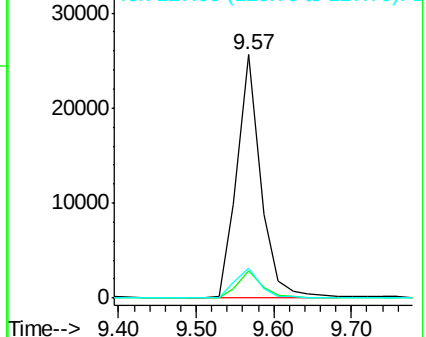
127 12.5 11.4 17.0

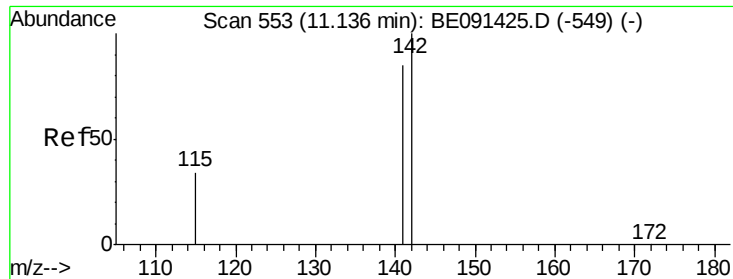


Abundance Ion 128.00 (127.70 to 128.70): BE091427.D (-442) (-)

Ion 129.00 (128.70 to 129.70): BE091427.D (-442) (-)

Ion 127.00 (126.70 to 127.70): BE091427.D (-442) (-)





#7

2-Methylnaphthalene

Concen: 1.82 ng

RT: 11.10 min Scan# 550

Delta R.T. -0.04 min

Lab File: BE091427.D

Acq: 3 Mar 2016 17:53

Instrument :

BNA_E

ClientSampleId :

SSTDICC1.6

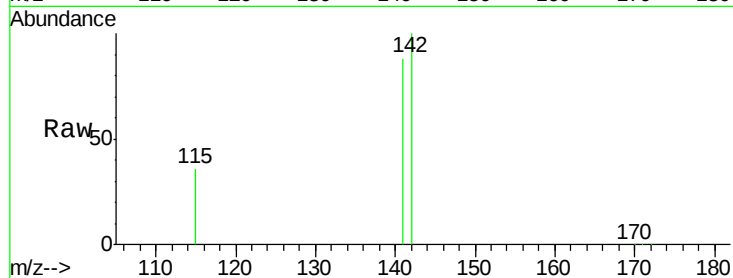
Tgt Ion:142 Resp: 33646

Ion Ratio Lower Upper

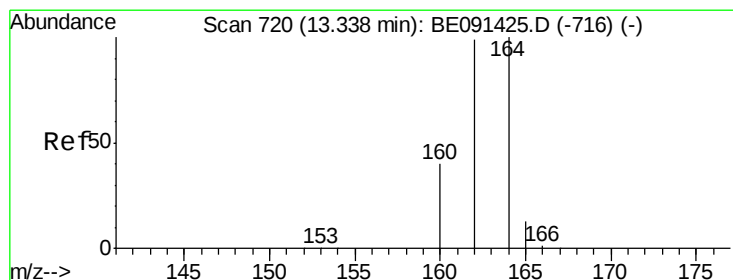
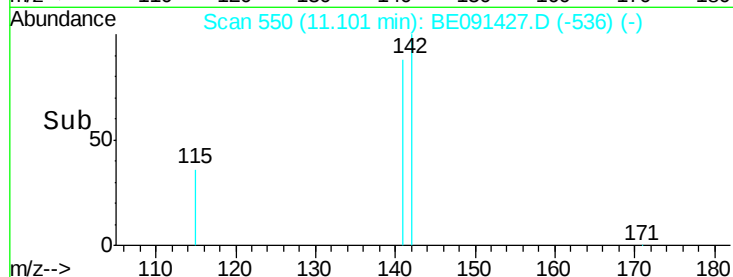
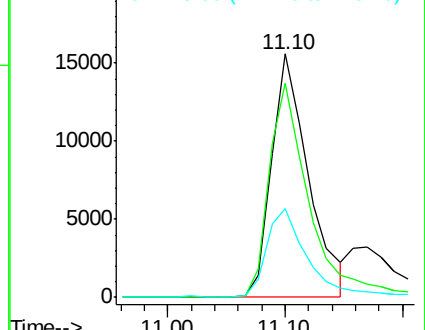
142 100

141 88.2 68.3 102.5

115 36.3 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: BE091427.D

Acq: 3 Mar 2016 17:53

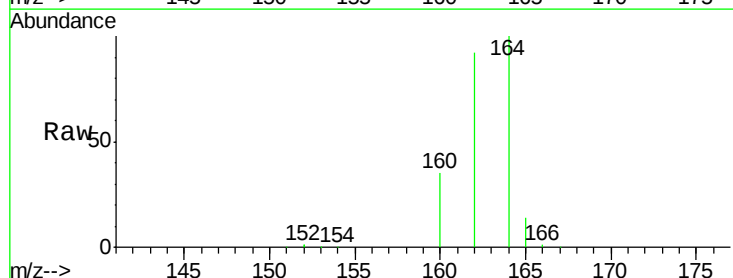
Tgt Ion:164 Resp: 84128

Ion Ratio Lower Upper

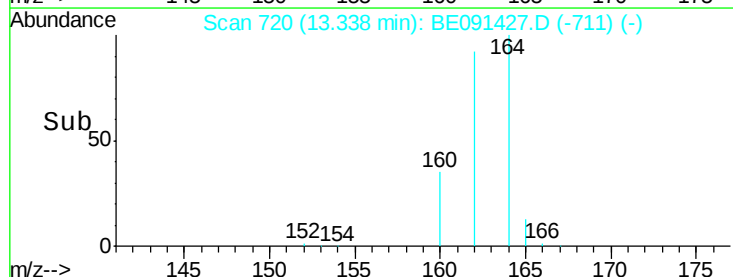
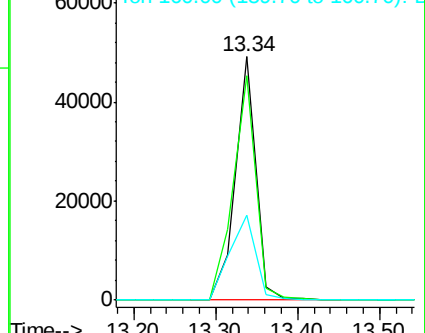
164 100

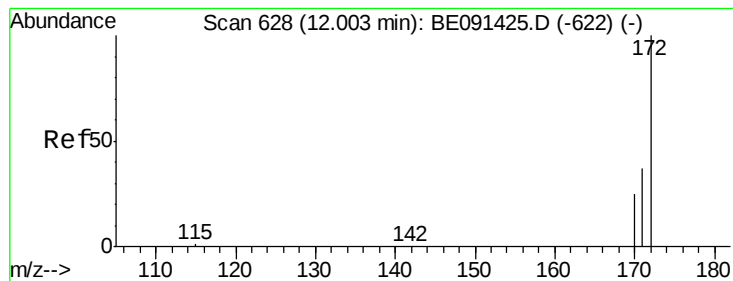
162 92.2 79.1 118.7

160 35.1 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: 1.62 ng

RT: 11.99 min Scan# 627

Delta R.T. -0.01 min

Lab File: BE091427.D

Acq: 3 Mar 2016 17:53

Instrument :

BNA_E

ClientSampleId :

SSTDICC1.6

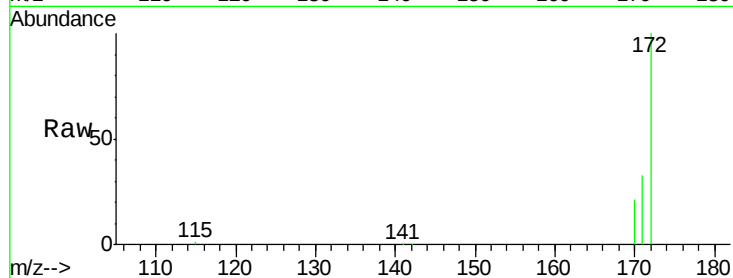
Tgt Ion:172 Resp: 35361

Ion Ratio Lower Upper

172 100

171 33.2 30.2 45.4

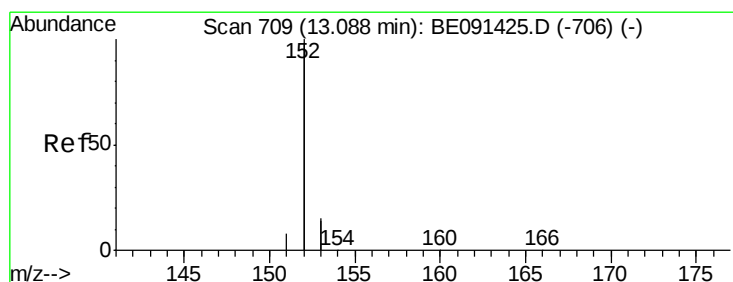
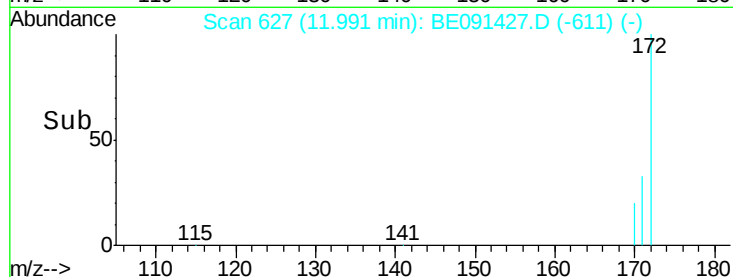
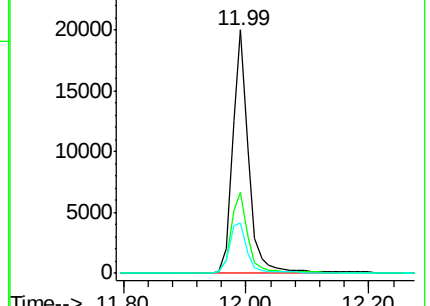
170 20.6 20.9 31.3#



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: 2.18 ng

RT: 13.06 min Scan# 708

Delta R.T. -0.02 min

Lab File: BE091427.D

Acq: 3 Mar 2016 17:53

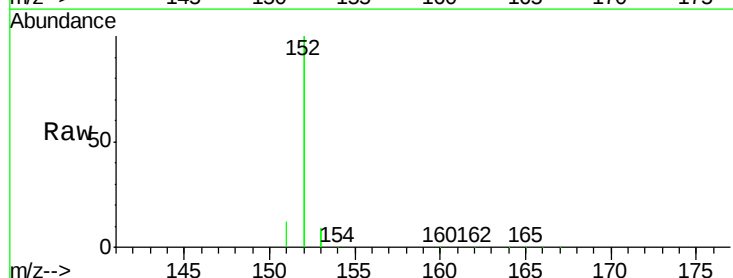
Tgt Ion:152 Resp: 244192

Ion Ratio Lower Upper

152 100

151 5.0 3.9 5.9

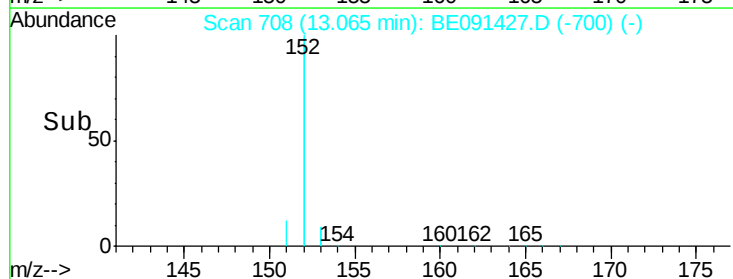
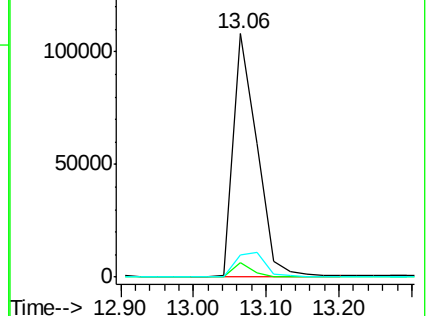
153 0.0 10.5 15.7#

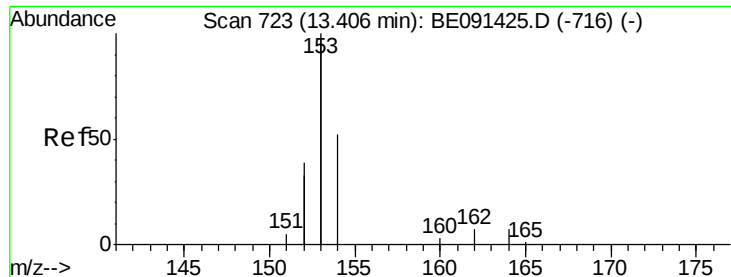


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#11

Acenaphthene

Concen: 1.96 ng

RT: 13.38 min Scan# 722

Delta R.T. -0.02 min

Lab File: BE091427.D

Acq: 3 Mar 2016 17:53

Instrument :

BNA_E

ClientSampleId :

SSTDICC1.6

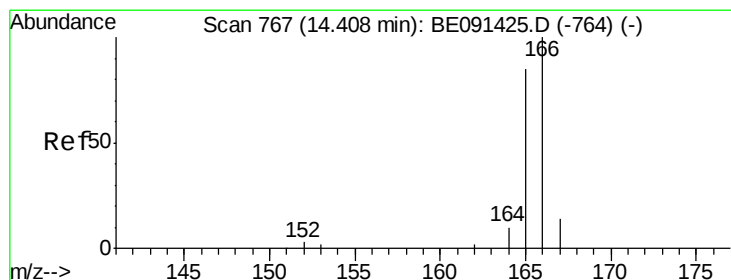
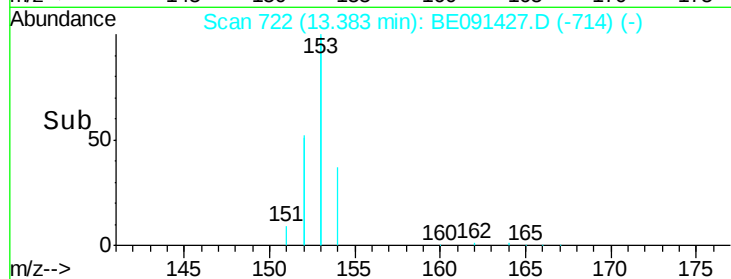
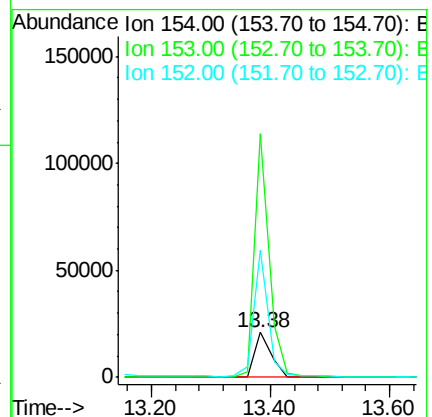
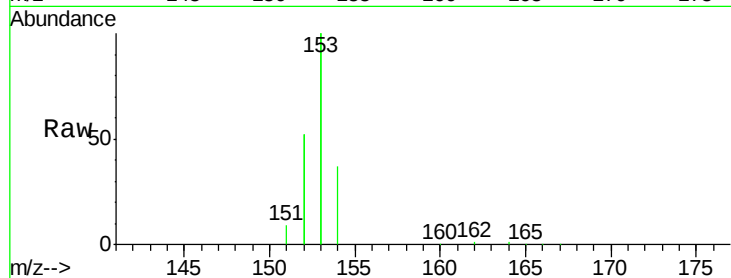
Tgt Ion:154 Resp: 40712

Ion Ratio Lower Upper

154 100

153 479.0 0.0 0.0#

152 239.5 0.0 0.0#



#12

Fluorene

Concen: 2.19 ng

RT: 14.39 min Scan# 766

Delta R.T. -0.02 min

Lab File: BE091427.D

Acq: 3 Mar 2016 17:53

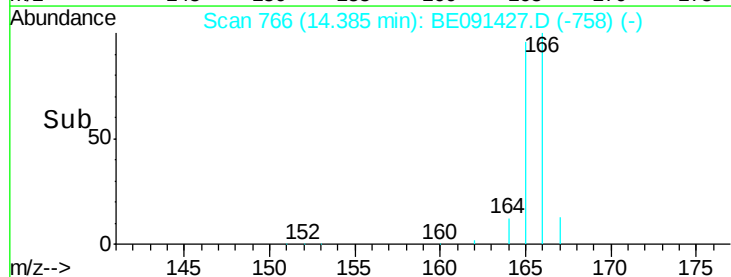
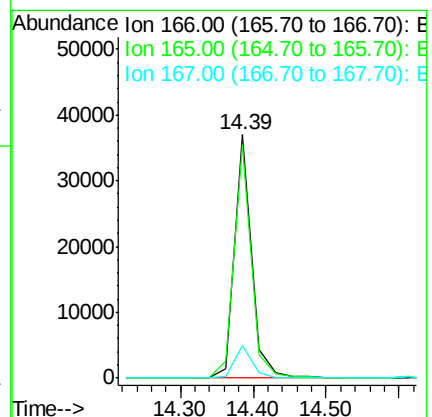
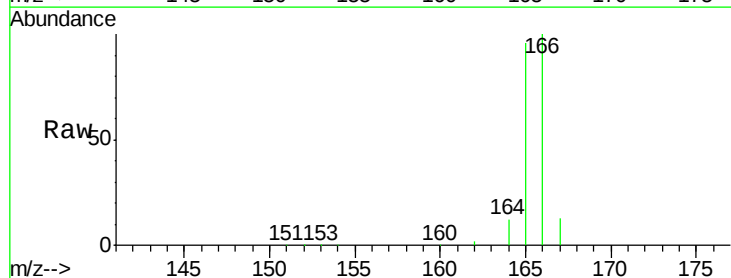
Tgt Ion:166 Resp: 59940

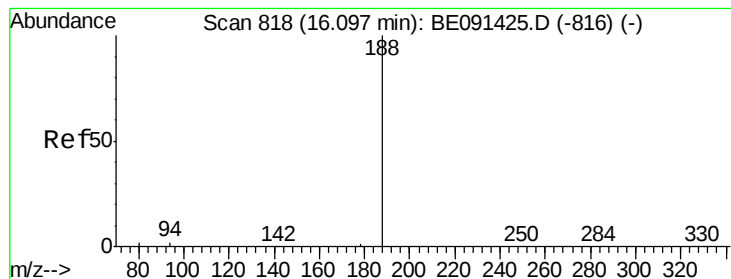
Ion Ratio Lower Upper

166 100

165 96.8 79.4 119.2

167 13.4 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: BE091427.D

Acq: 3 Mar 2016 17:53

Instrument :

BNA_E

ClientSampleId :

SSTDICC1.6

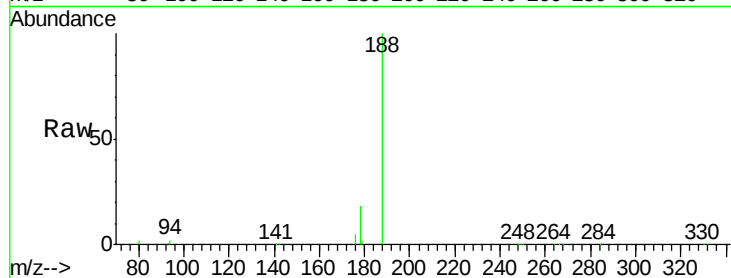
Tgt Ion:188 Resp: 99787

Ion Ratio Lower Upper

188 100

94 2.3 2.1 3.1

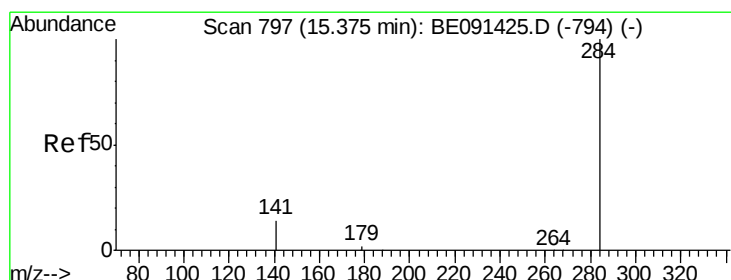
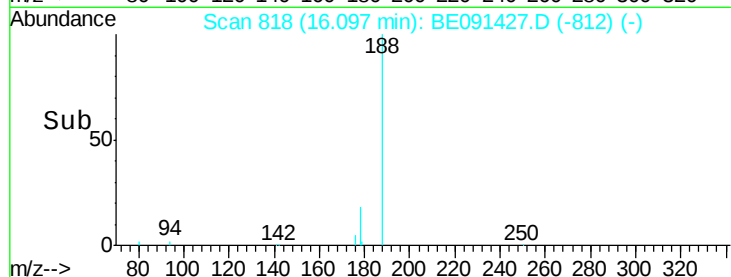
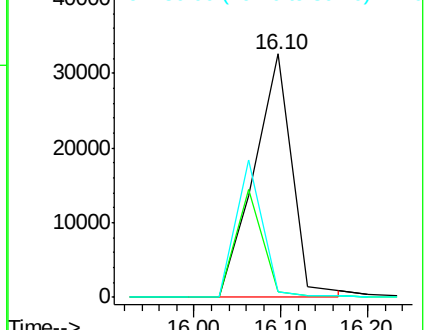
80 2.2 1.9 2.9



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: 1.78 ng

RT: 15.34 min Scan# 796

Delta R.T. -0.03 min

Lab File: BE091427.D

Acq: 3 Mar 2016 17:53

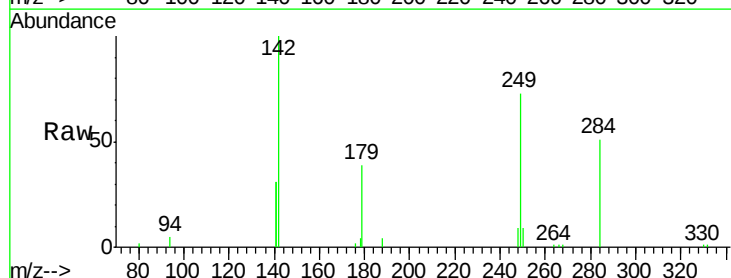
Tgt Ion:284 Resp: 8155

Ion Ratio Lower Upper

284 100

142 101.8 0.0 0.0#

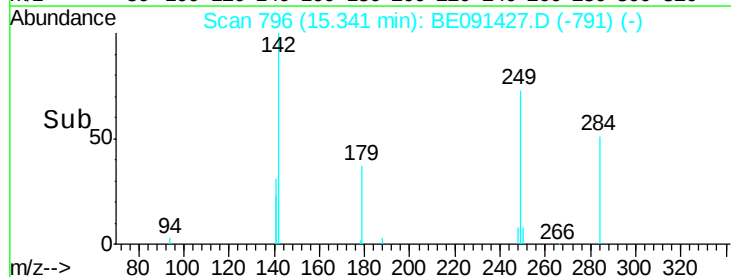
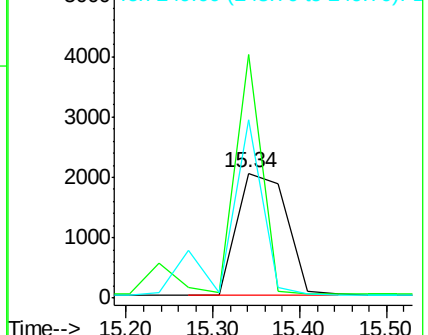
249 95.1 0.0 0.0#

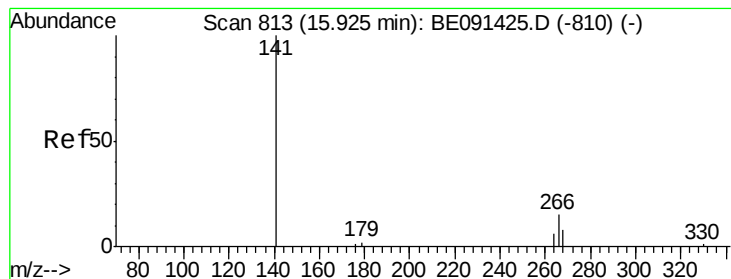


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





#15

Pentachlorophenol

Concen: 4.42 ng

RT: 15.86 min Scan# 811

Delta R.T. -0.07 min

Lab File: BE091427.D

Acq: 3 Mar 2016 17:53

Instrument :

BNA_E

ClientSampleId :

SSTDICC1.6

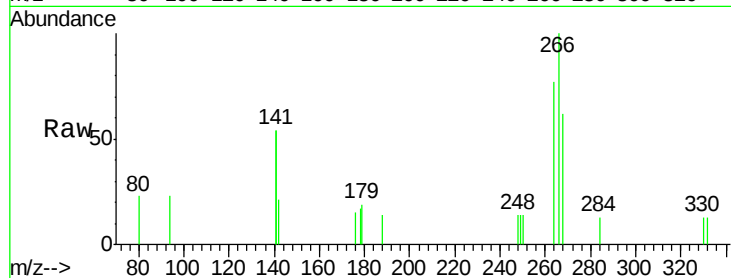
Tgt Ion:266 Resp: 1955

Ion Ratio Lower Upper

266 100

268 62.2 73.0 109.6#

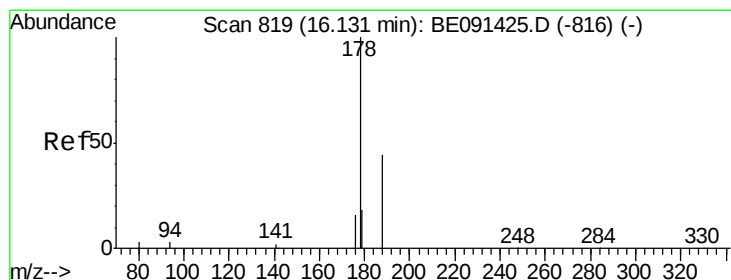
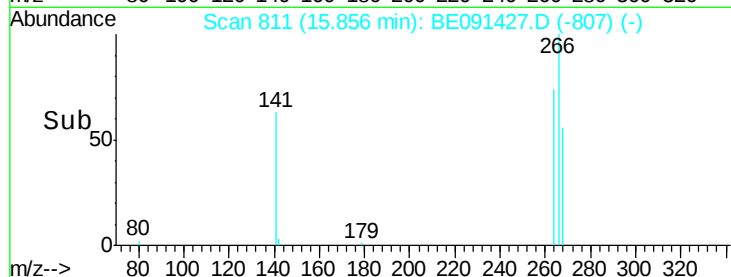
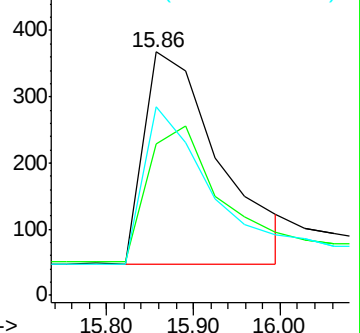
264 77.4 66.1 99.1



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: 2.30 ng m

RT: 16.13 min Scan# 819

Delta R.T. -0.00 min

Lab File: BE091427.D

Acq: 3 Mar 2016 17:53

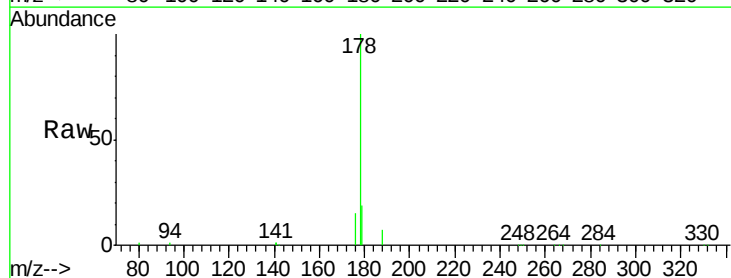
Tgt Ion:178 Resp: 58586

Ion Ratio Lower Upper

178 100

176 0.0 13.8 20.8#

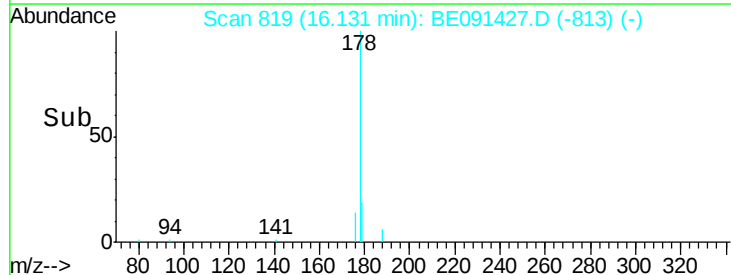
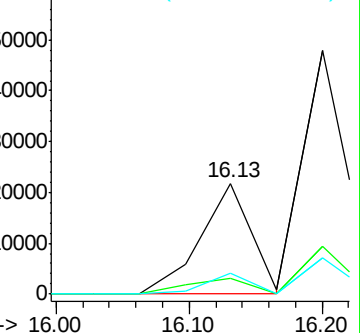
179 0.0 14.2 21.4#

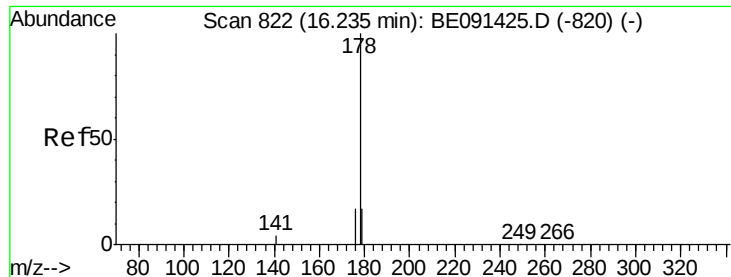


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

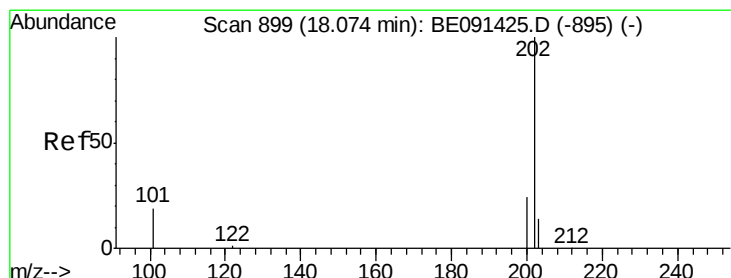
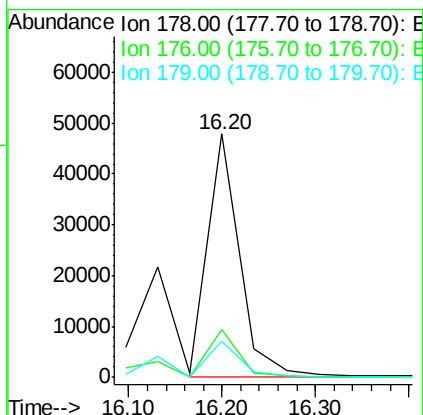
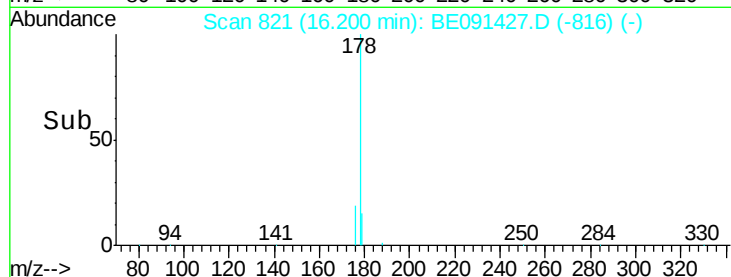
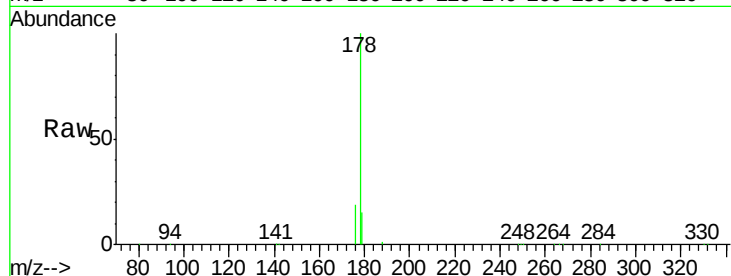




#17
 Anthracene
 Concen: 5.04 ng m
 RT: 16.20 min Scan# 821
 Delta R.T. -0.03 min
 Lab File: BE091427.D
 Acq: 3 Mar 2016 17:53

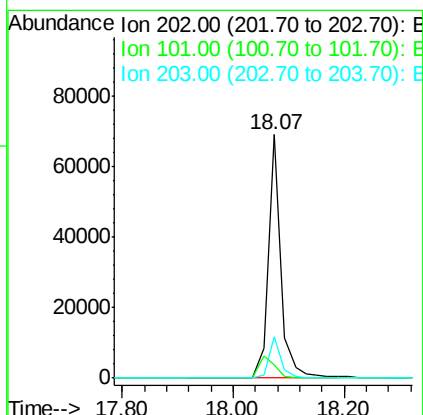
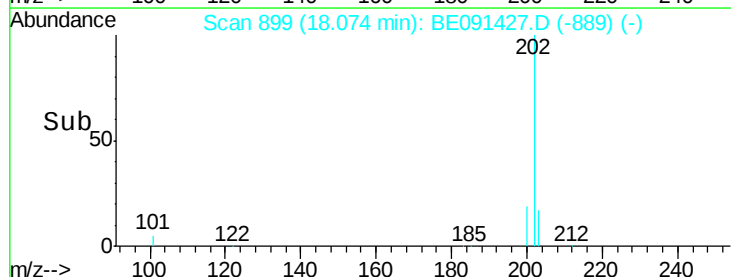
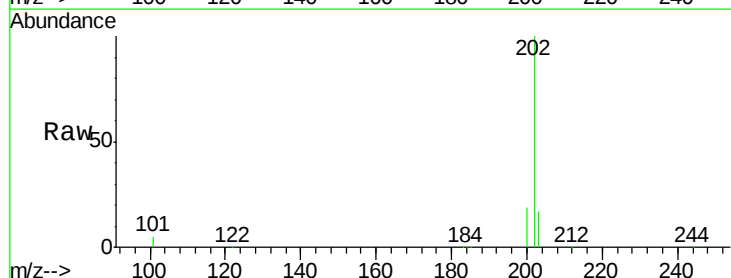
Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC1.6

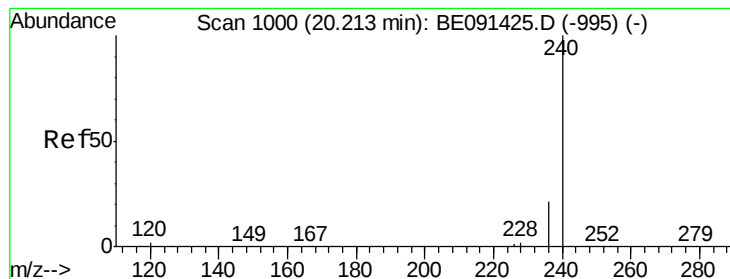
Tgt Ion:178 Resp: 115133
 Ion Ratio Lower Upper
 178 100
 176 23.6 23.5 35.3
 179 21.2 14.3 21.5



#18
 Fluoranthene
 Concen: 4.32 ng
 RT: 18.07 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: BE091427.D
 Acq: 3 Mar 2016 17:53

Tgt Ion:202 Resp: 109415
 Ion Ratio Lower Upper
 202 100
 101 11.9 11.0 16.4
 203 17.0 13.7 20.5





#19

Chrysene-d12

Concen: 5.00 ng

RT: 20.21 min Scan# 1000

Delta R.T. -0.00 min

Lab File: BE091427.D

Acq: 3 Mar 2016 17:53

Instrument :

BNA_E

ClientSampleId :

SSTDICC1.6

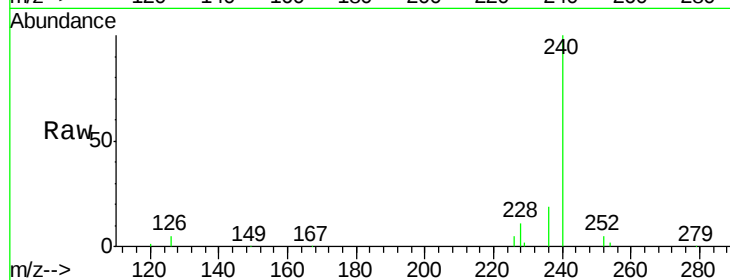
Tgt Ion:240 Resp: 228899

Ion Ratio Lower Upper

240 100

120 1.2 1.4 2.0#

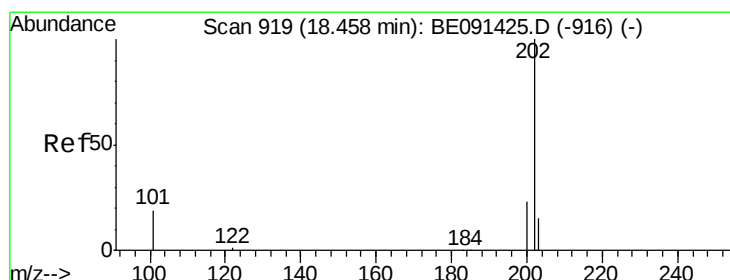
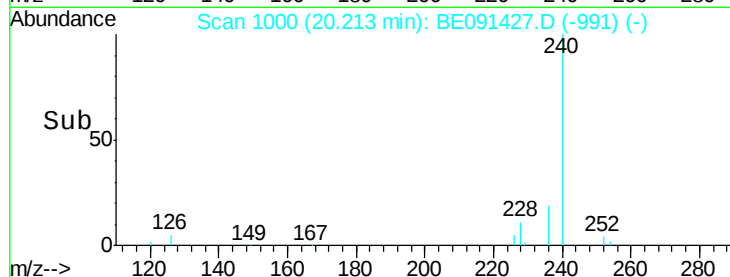
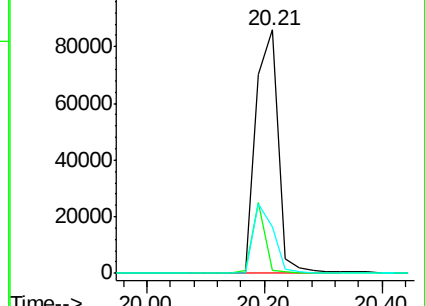
236 19.3 16.7 25.1



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: 2.17 ng

RT: 18.46 min Scan# 919

Delta R.T. -0.00 min

Lab File: BE091427.D

Acq: 3 Mar 2016 17:53

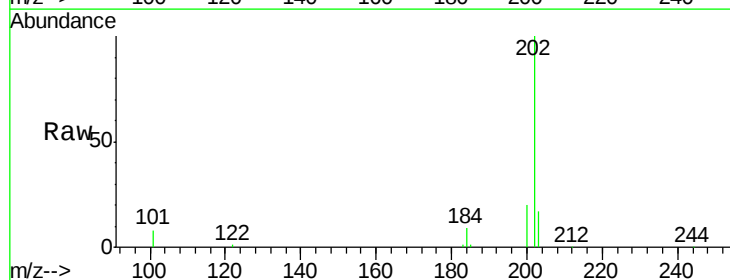
Tgt Ion:202 Resp: 113753

Ion Ratio Lower Upper

202 100

200 20.6 16.5 24.7

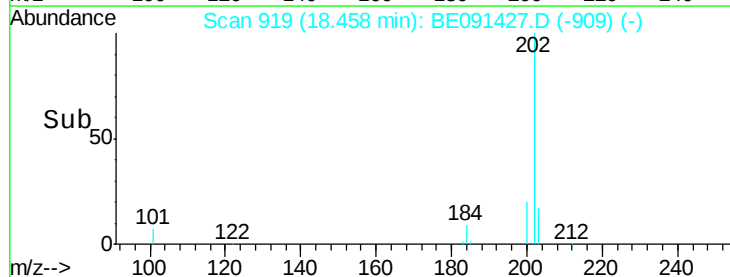
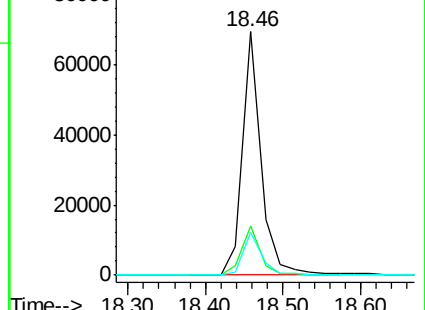
203 17.5 13.8 20.6

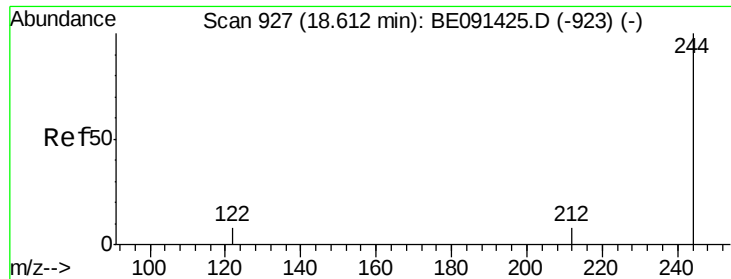


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

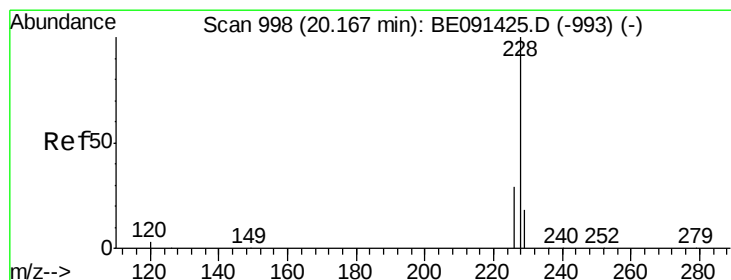
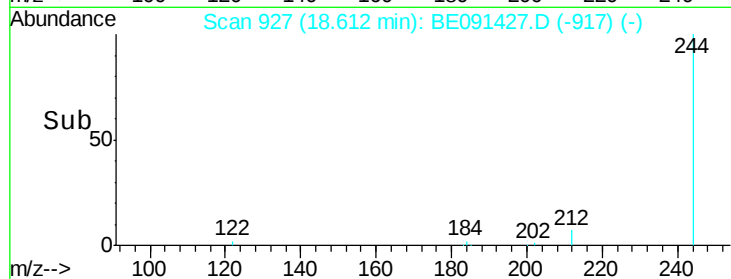
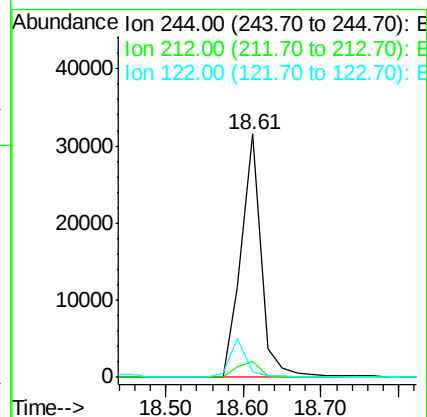
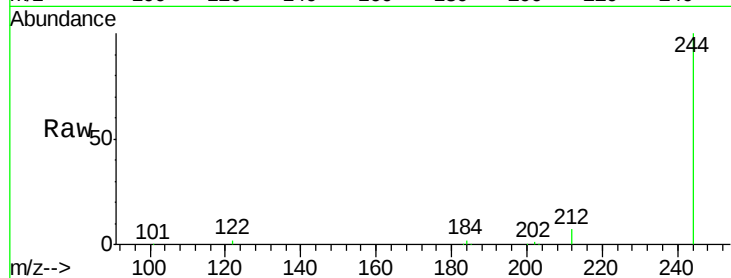




#21
 Terphenyl-d14
 Concen: 1.65 ng
 RT: 18.61 min Scan# 927
 Delta R.T. -0.00 min
 Lab File: BE091427.D
 Acq: 3 Mar 2016 17:53

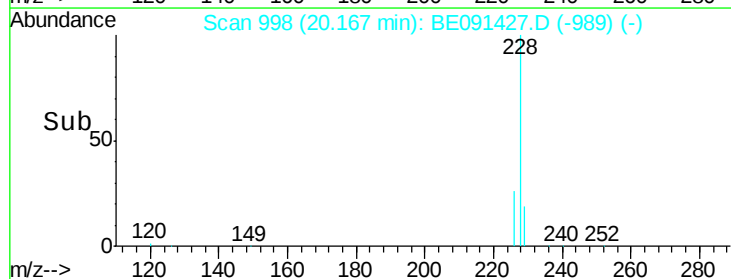
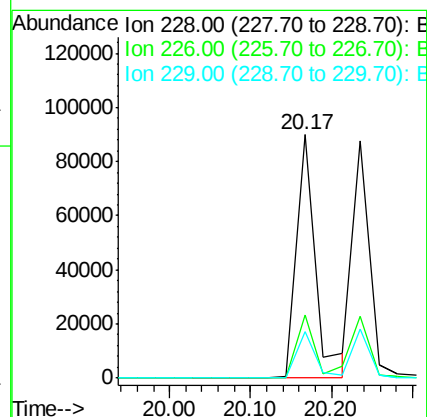
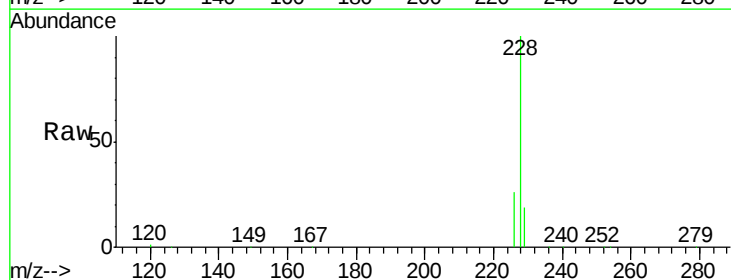
Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC1.6

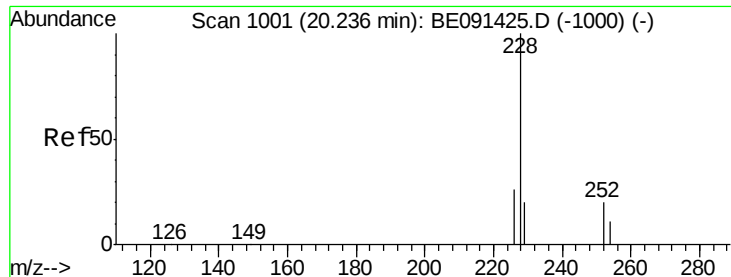
Tgt Ion:244 Resp: 56816
 Ion Ratio Lower Upper
 244 100
 212 6.7 7.0 10.6#
 122 2.2 6.8 10.2#



#22
 Benzo(a)anthracene
 Concen: 3.14 ng
 RT: 20.17 min Scan# 998
 Delta R.T. -0.00 min
 Lab File: BE091427.D
 Acq: 3 Mar 2016 17:53

Tgt Ion:228 Resp: 148417
 Ion Ratio Lower Upper
 228 100
 226 26.2 23.1 34.7
 229 18.9 14.5 21.7

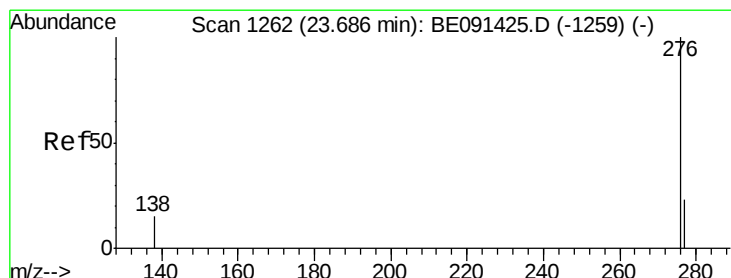
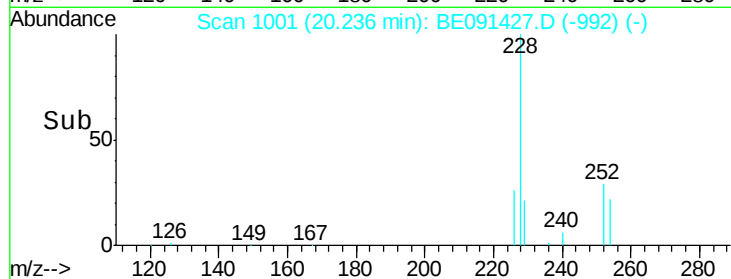
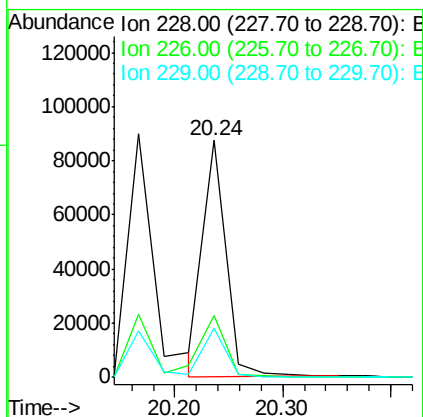
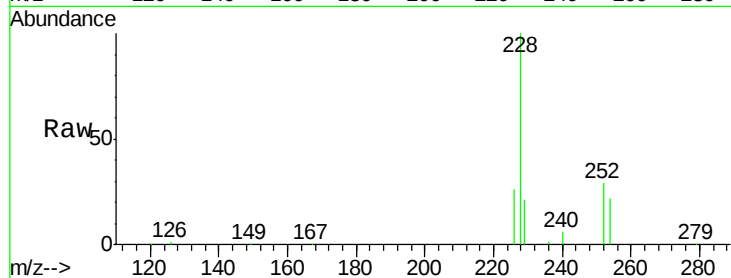




#23
Chrysene
Concen: 2.02 ng
RT: 20.24 min Scan# 1001
Delta R.T. 0.00 min
Lab File: BE091427.D
Acq: 3 Mar 2016 17:53

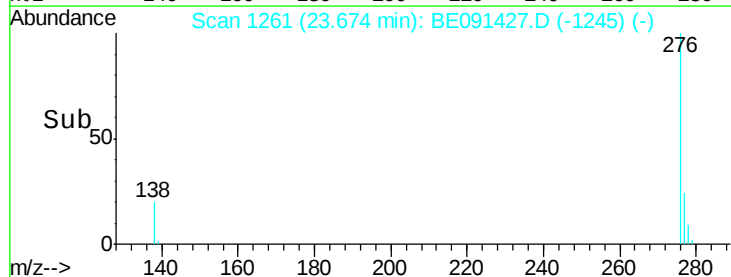
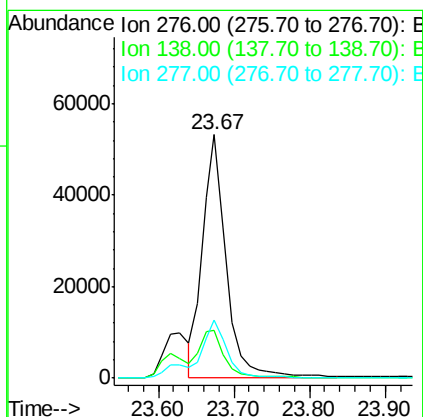
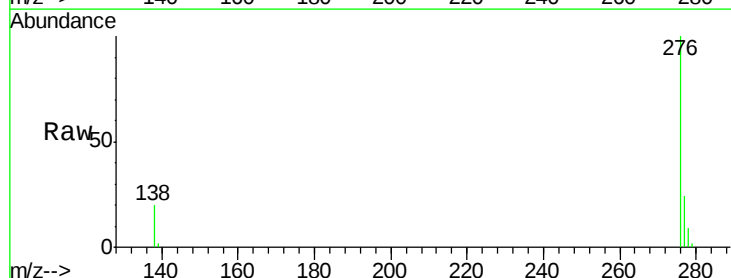
Instrument :
BNA_E
ClientSampleId :
SSTDICC1.6

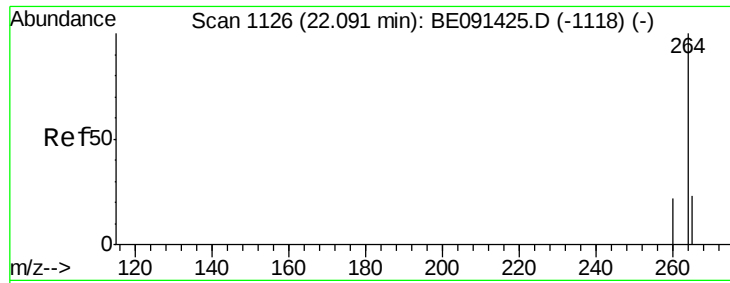
Tgt Ion: 228 Resp: 129573
Ion Ratio Lower Upper
228 100
226 25.9 22.0 33.0
229 20.6 16.2 24.2



#24
Indeno(1,2,3-cd)pyrene
Concen: 2.59 ng m
RT: 23.67 min Scan# 1261
Delta R.T. -0.01 min
Lab File: BE091427.D
Acq: 3 Mar 2016 17:53

Tgt Ion: 276 Resp: 118137
Ion Ratio Lower Upper
276 100
138 20.6 15.9 23.9
277 29.3 22.4 33.6

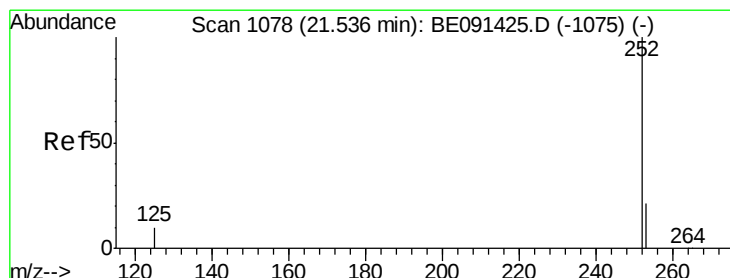
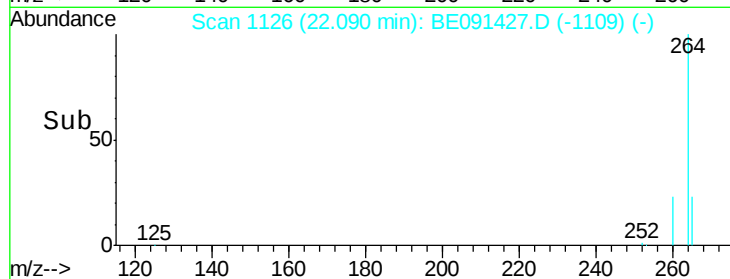
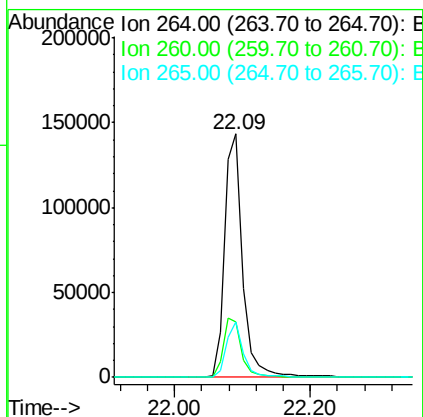
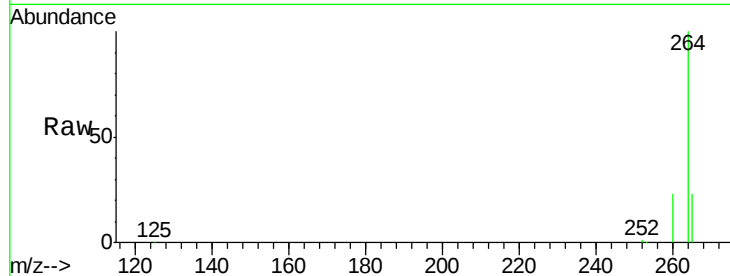




#25
Perylene-d12
Concen: 5.00 ng
RT: 22.09 min Scan# 1126
Delta R.T. -0.00 min
Lab File: BE091427.D
Acq: 3 Mar 2016 17:53

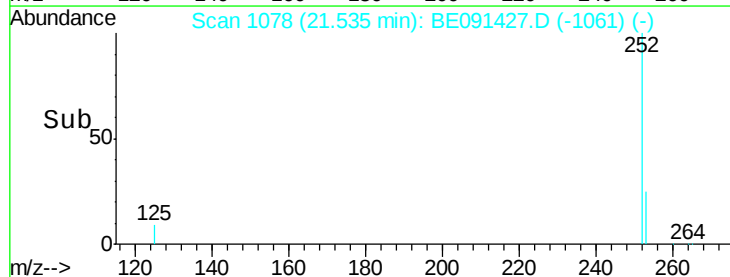
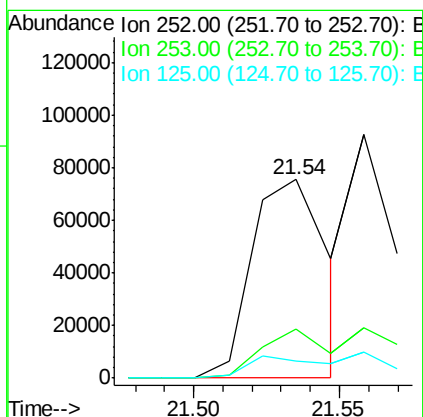
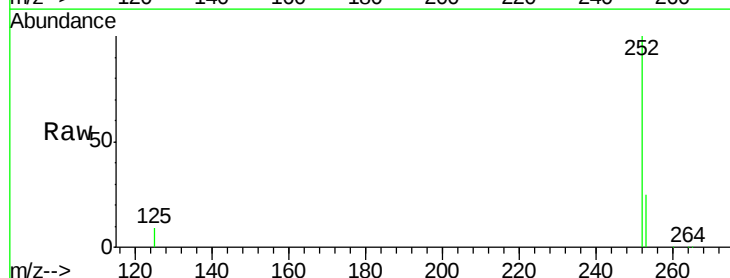
Instrument :
BNA_E
ClientSampleId :
SSTDICC1.6

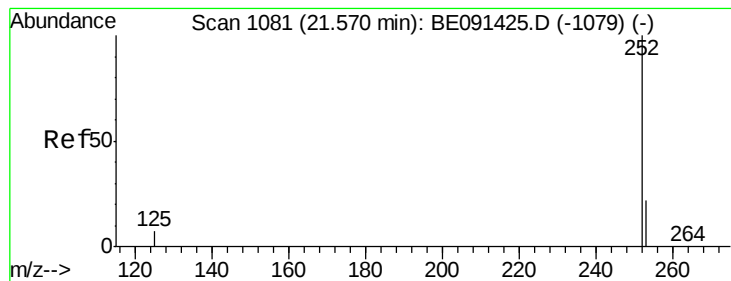
Tgt Ion: 264 Resp: 269176
Ion Ratio Lower Upper
264 100
260 22.8 18.0 27.0
265 22.9 18.2 27.4



#26
Benzo(b)fluoranthene
Concen: 2.43 ng m
RT: 21.54 min Scan# 1078
Delta R.T. -0.00 min
Lab File: BE091427.D
Acq: 3 Mar 2016 17:53

Tgt Ion: 252 Resp: 135271
Ion Ratio Lower Upper
252 100
253 24.8 17.0 25.4
125 8.8 8.3 12.5





#27

Benzo(k)fluoranthene

Concen: 1.78 ng m

RT: 21.56 min Scan# 1080

Delta R.T. -0.01 min

Lab File: BE091427.D

Acq: 3 Mar 2016 17:53

Instrument :

BNA_E

ClientSampleId :

SSTDICC1.6

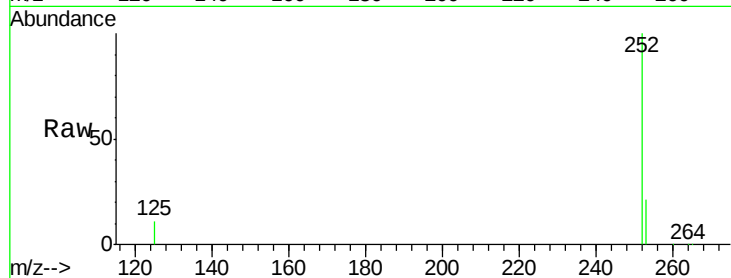
Tgt Ion:252 Resp: 117109

Ion Ratio Lower Upper

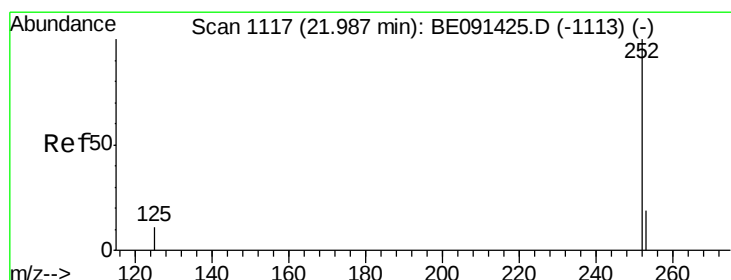
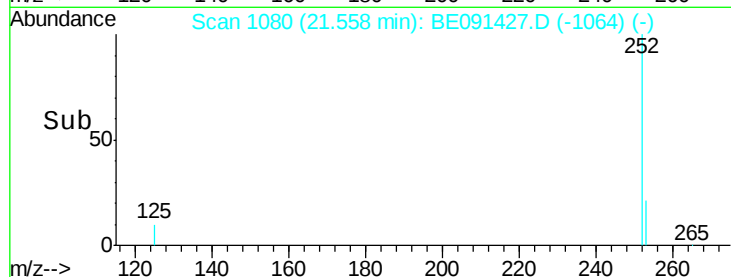
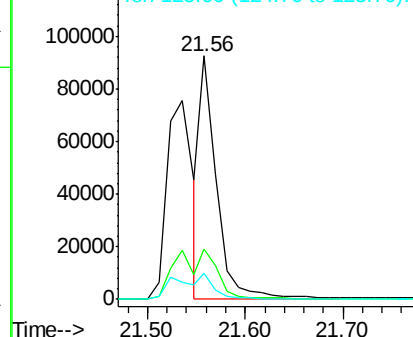
252 100

253 20.9 19.5 29.3

125 10.5 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: 2.19 ng

RT: 21.99 min Scan# 1117

Delta R.T. -0.00 min

Lab File: BE091427.D

Acq: 3 Mar 2016 17:53

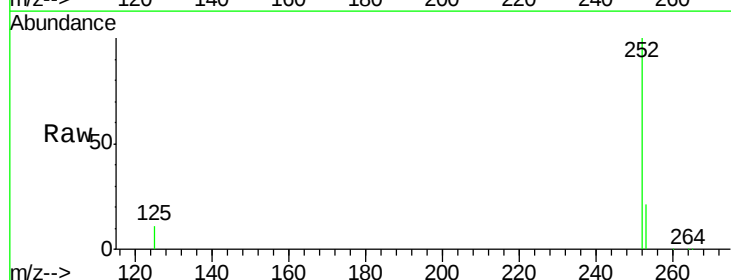
Tgt Ion:252 Resp: 111845

Ion Ratio Lower Upper

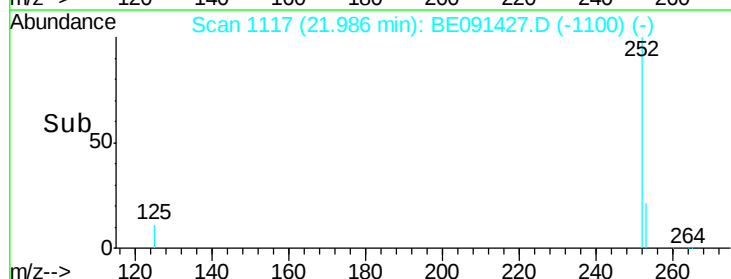
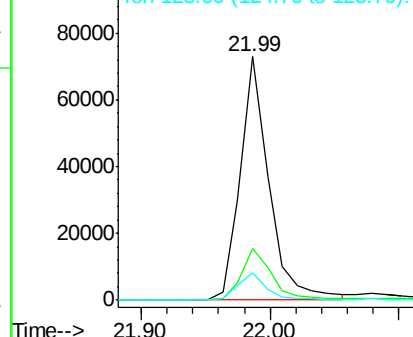
252 100

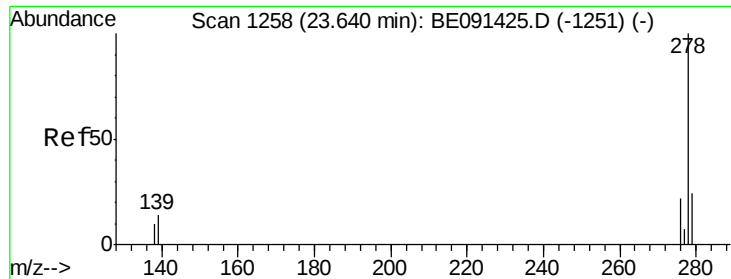
253 21.0 16.2 24.4

125 11.3 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: 2.54 ng

RT: 23.63 min Scan# 1257

Delta R.T. -0.01 min

Lab File: BE091427.D

Acq: 3 Mar 2016 17:53

Instrument :

BNA_E

ClientSampleId :

SSTDICC1.6

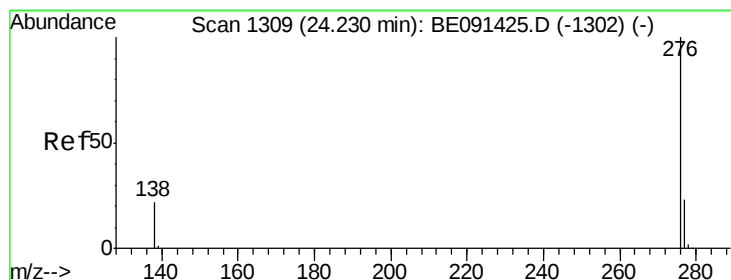
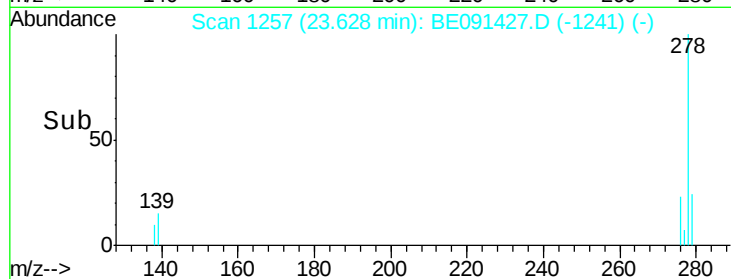
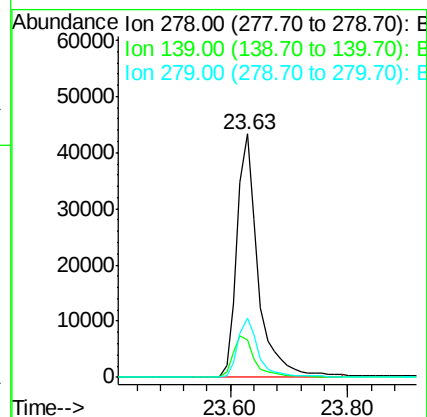
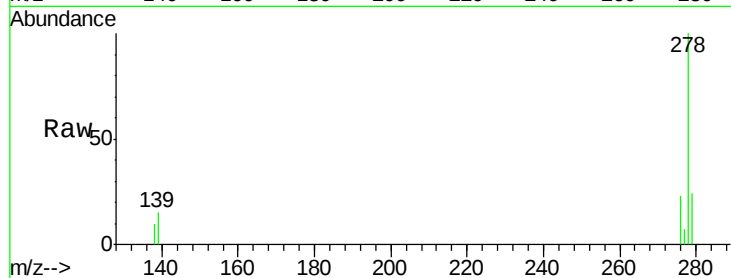
Tgt Ion: 278 Resp: 108106

Ion Ratio Lower Upper

278 100

139 15.3 12.1 18.1

279 24.5 19.4 29.0



#30

Benzo(g,h,i)perylene

Concen: 2.10 ng

RT: 24.22 min Scan# 1308

Delta R.T. -0.01 min

Lab File: BE091427.D

Acq: 3 Mar 2016 17:53

Tgt Ion: 276 Resp: 114794

Ion Ratio Lower Upper

276 100

277 22.6 19.0 28.6

138 25.3 18.2 27.4

