

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE030316\
 Data File : BE091440.D
 Acq On : 4 Mar 2016 1:50
 Operator : UM/IZ
 Sample : SSTDCCC001
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC001

Quant Time: Mar 04 08:09:06 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

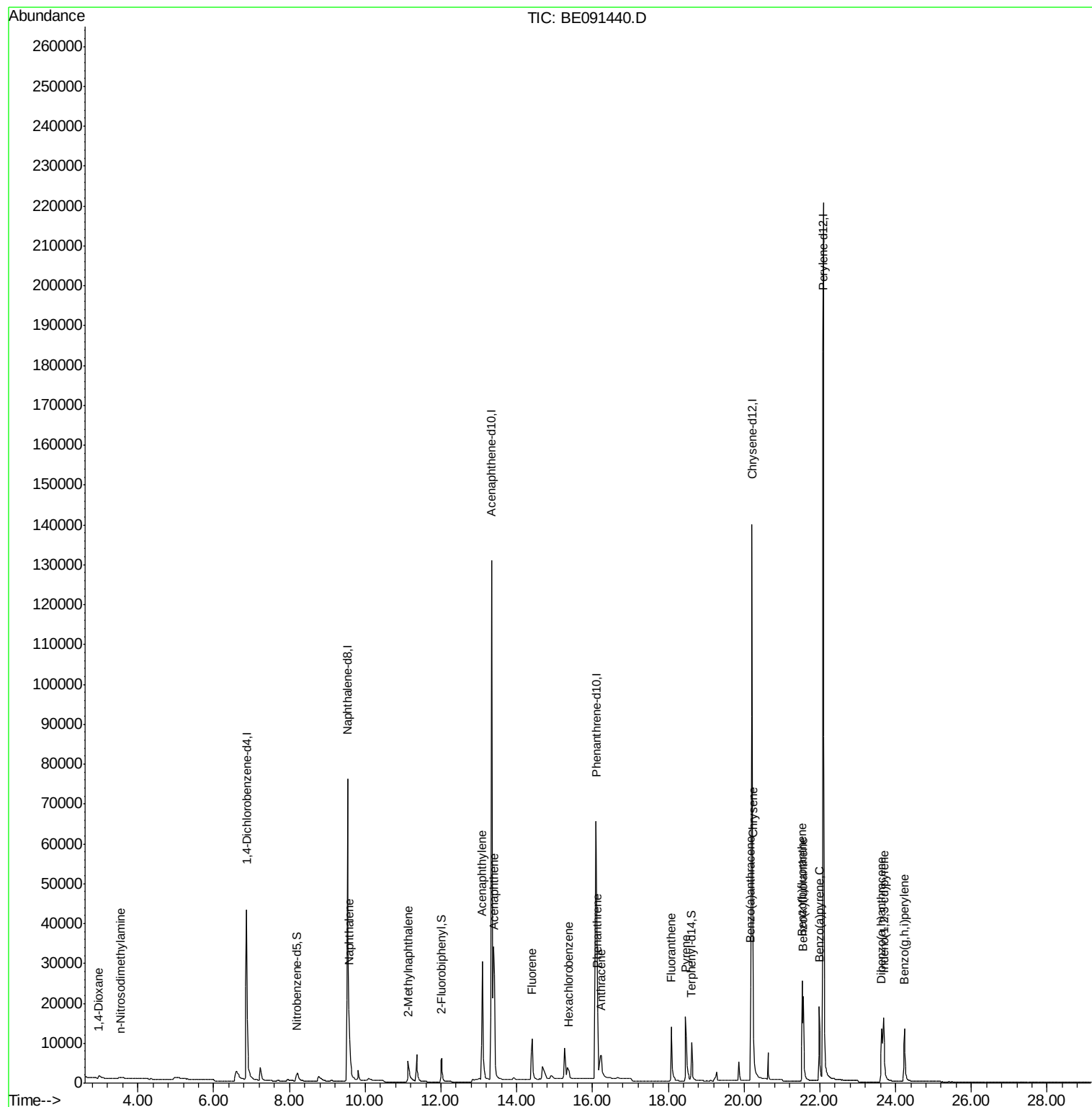
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	31212	5.00	ng	0.00
4) Naphthalene-d8	9.53	136	144666	5.00	ng	0.00
8) Acenaphthene-d10	13.34	164	88972	5.00	ng	0.00
13) Phenanthrene-d10	16.10	188	145838	5.00	ng	0.00
19) Chrysene-d12	20.21	240	234163	5.00	ng	0.00
25) Perylene-d12	22.09	264	277633	5.00	ng	0.00
System Monitoring Compounds						
5) Nitrobenzene-d5	8.18	82	2800	0.41	ng	0.00
9) 2-Fluorobiphenyl	12.01	172	8939	0.41	ng	0.01
21) Terphenyl-d14	18.61	244	15866	0.45	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.97	88	1072	0.39	ng	89
3) n-Nitrosodimethylamine	3.54	42	963	0.41	ng	# 84
6) Naphthalene	9.57	128	14530	0.43	ng	99
7) 2-Methylnaphthalene	11.13	142	7345m	0.37	ng	
10) Acenaphthylene	13.09	152	53919	0.36	ng	99
11) Acenaphthene	13.41	154	10235	0.38	ng	# 100
12) Fluorene	14.41	166	12015	0.35	ng	98
14) Hexachlorobenzene	15.37	284	3356	0.39	ng	# 100
15) Pentachlorophenol	15.89	266	113	Below Cal		97
16) Phenanthrene	16.13	178	21290	0.41	ng	100
17) Anthracene	16.23	178	18448m	0.34	ng	
18) Fluoranthene	18.08	202	24413	0.36	ng	98
20) Pyrene	18.46	202	25423	0.38	ng	100
22) Benzo(a)anthracene	20.17	228	29263	0.36	ng	99
23) Chrysene	20.24	228	34702	0.40	ng	100
24) Indeno(1,2,3-cd)pyrene	23.69	276	26531m	0.38	ng	
26) Benzo(b)fluoranthene	21.54	252	25959m	0.34	ng	
27) Benzo(k)fluoranthene	21.56	252	31138m	0.41	ng	
28) Benzo(a)pyrene	21.99	252	24139	0.36	ng	99
29) Dibenzo(a,h)anthracene	23.63	278	22901	0.36	ng	# 96
30) Benzo(g,h,i)perylene	24.23	276	25668	0.37	ng	99

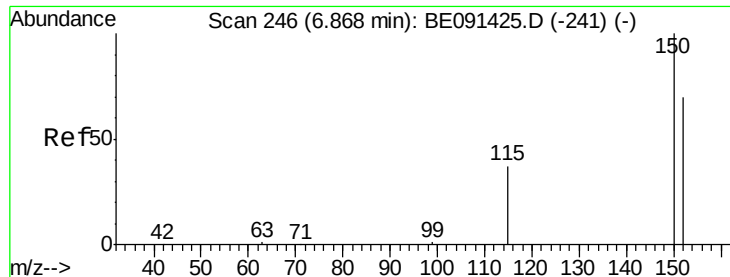
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 6.87 min Scan# 246

Delta R.T. 0.00 min

Lab File: BE091440.D

Acq: 4 Mar 2016 1:50

Instrument :

BNA_E

ClientSampleId :

SSTDCCC001

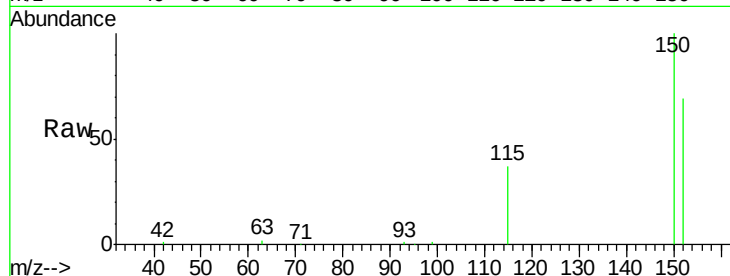
Tgt Ion: 152 Resp: 31212

Ion Ratio Lower Upper

152 100

150 145.0 115.0 172.4

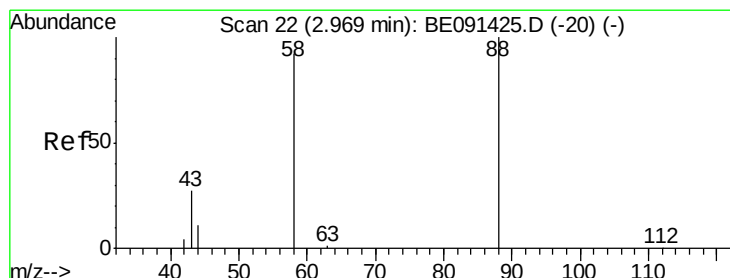
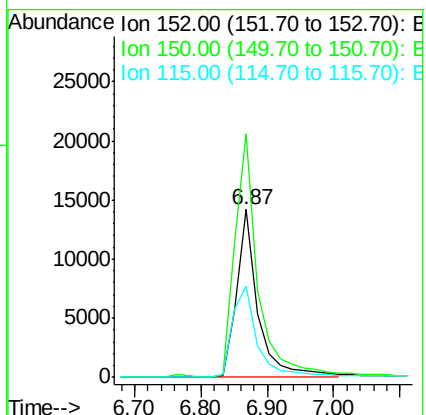
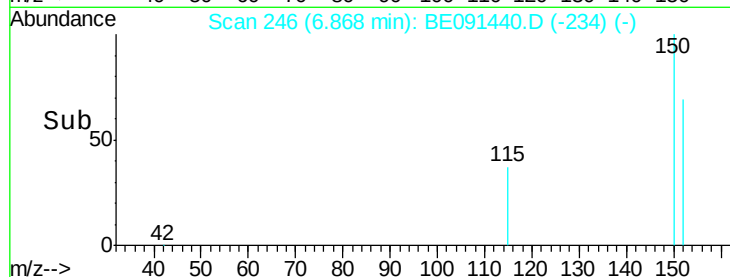
115 54.3 42.2 63.4



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: BE091440.D

Acq: 4 Mar 2016 1:50

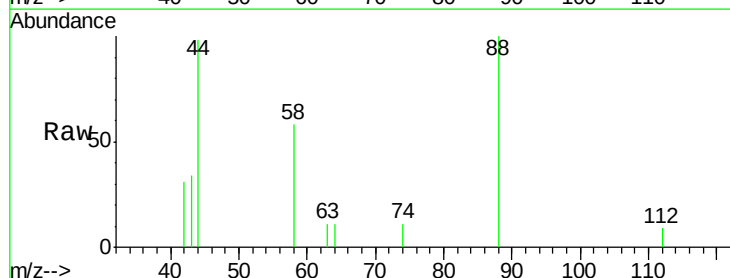
Tgt Ion: 88 Resp: 1072

Ion Ratio Lower Upper

88 100

58 106.1 97.9 146.9

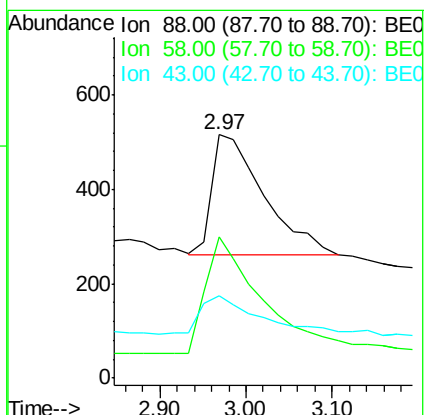
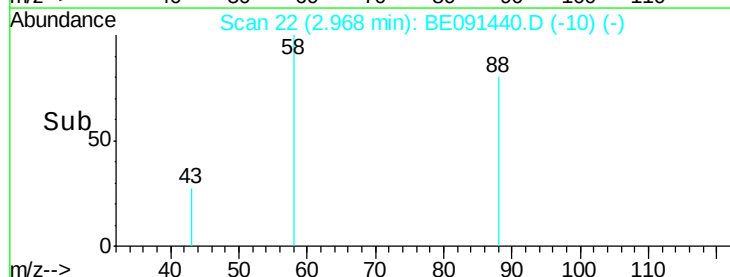
43 35.7 29.0 43.4

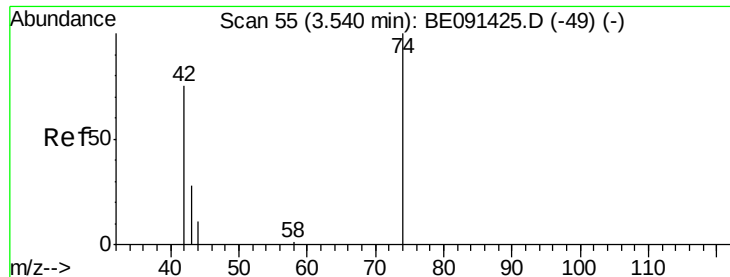


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.41 ng

RT: 3.54 min Scan# 55

Delta R.T. -0.00 min

Lab File: BE091440.D

Acq: 4 Mar 2016 1:50

Instrument :

BNA_E

ClientSampleId :

SSTDCCC001

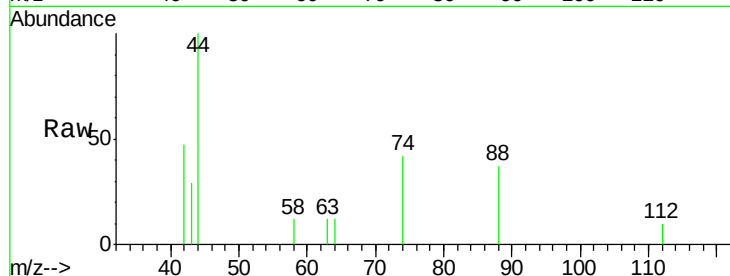
Tgt Ion: 42 Resp: 963

Ion Ratio Lower Upper

42 100

74 135.2 93.8 140.6

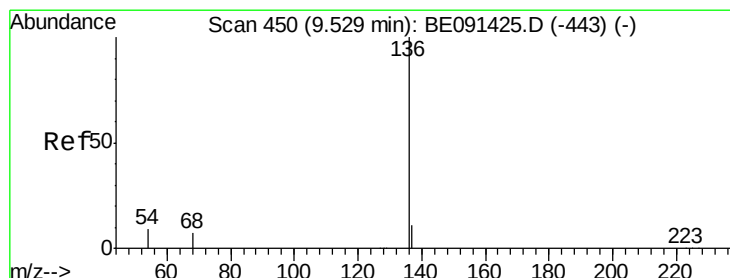
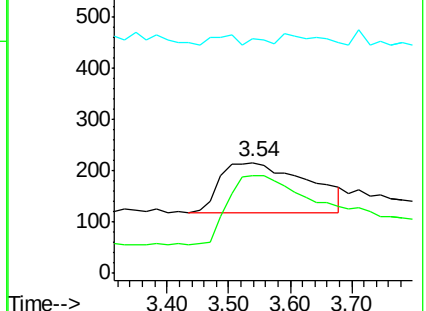
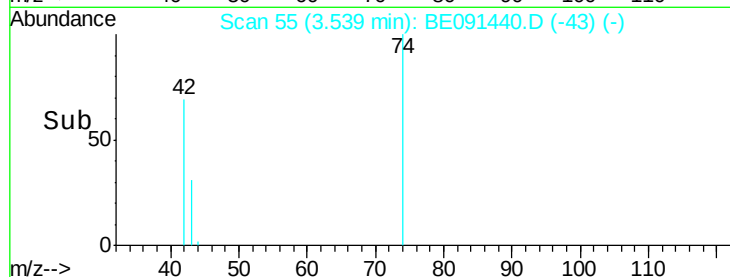
44 0.0 0.0 0.0



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: BE091440.D

Acq: 4 Mar 2016 1:50

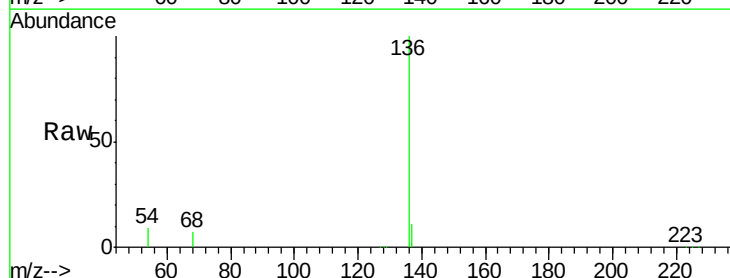
Tgt Ion: 136 Resp: 144666

Ion Ratio Lower Upper

136 100

137 11.1 8.7 13.1

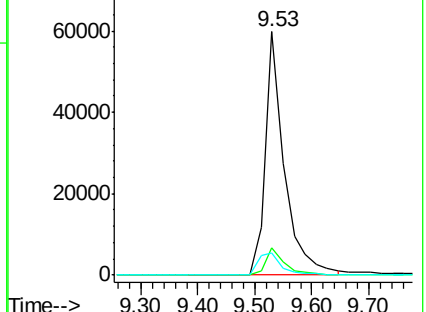
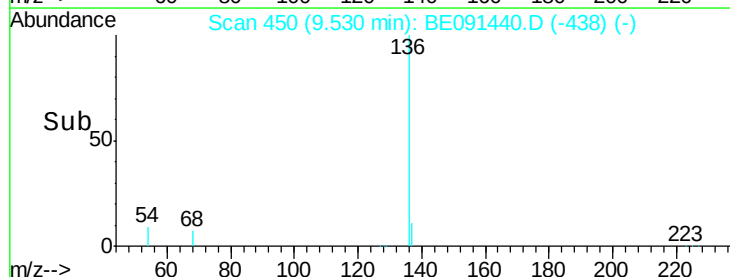
54 9.0 6.9 10.3

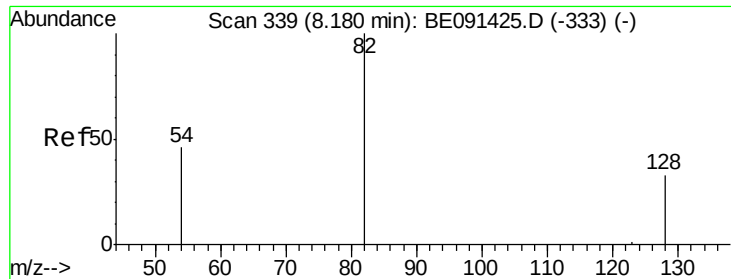


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0





#5

Nitrobenzene-d5

Concen: 0.41 ng

RT: 8.18 min Scan# 339

Delta R.T. 0.00 min

Lab File: BE091440.D

Acq: 4 Mar 2016 1:50

Instrument :

BNA_E

ClientSampleId :

SSTDCCC001

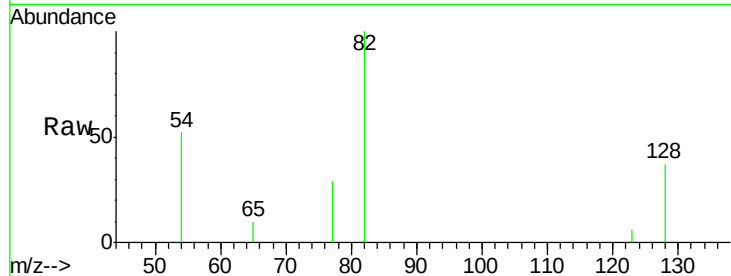
Tgt Ion: 82 Resp: 2800

Ion Ratio Lower Upper

82 100

128 37.2 30.0 45.0

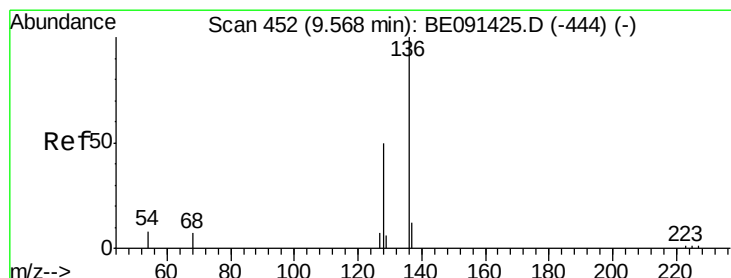
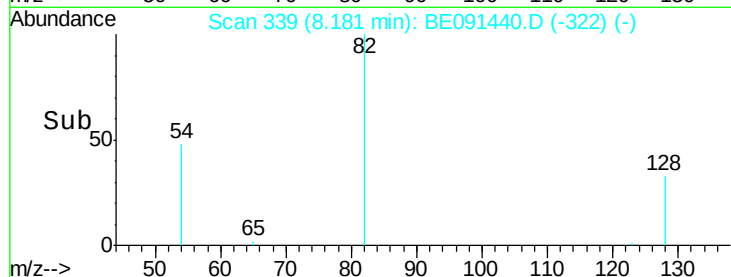
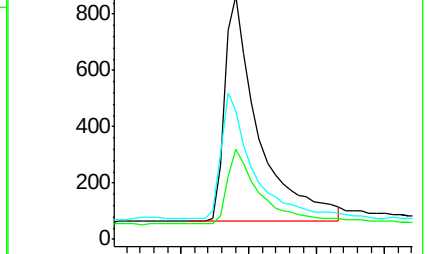
54 52.5 41.5 62.3



Abundance Ion 82.00 (81.70 to 82.70): BE091440.D (-322) (-)

Ion 128.00 (127.70 to 128.70): BE091440.D (-322) (-)

Ion 54.00 (53.70 to 54.70): BE091440.D (-322) (-)



#6

Naphthalene

Concen: 0.43 ng

RT: 9.57 min Scan# 452

Delta R.T. 0.00 min

Lab File: BE091440.D

Acq: 4 Mar 2016 1:50

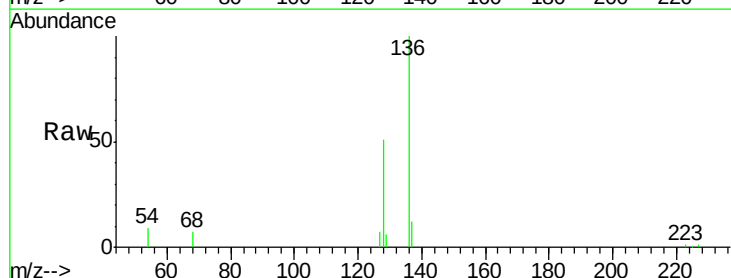
Tgt Ion: 128 Resp: 14530

Ion Ratio Lower Upper

128 100

129 11.2 9.5 14.3

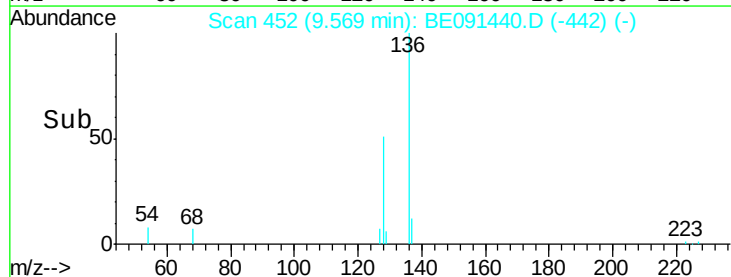
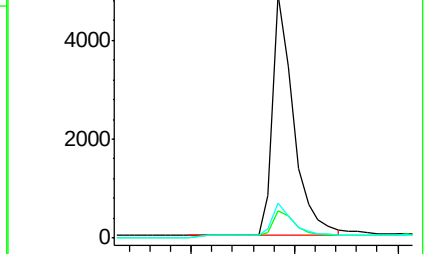
127 14.2 11.4 17.0

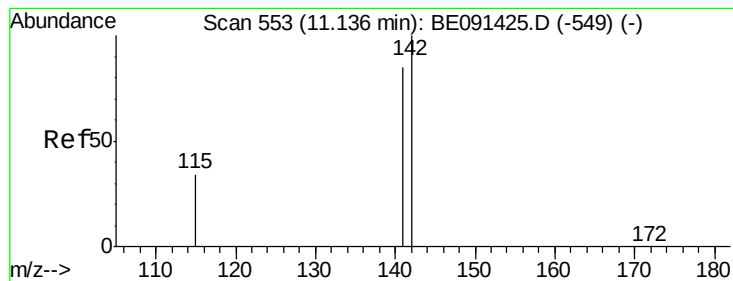


Abundance Ion 128.00 (127.70 to 128.70): BE091440.D (-442) (-)

Ion 129.00 (128.70 to 129.70): BE091440.D (-442) (-)

Ion 127.00 (126.70 to 127.70): BE091440.D (-442) (-)





#7

2-Methylnaphthalene

Concen: 0.37 ng m

RT: 11.13 min Scan# 553

Delta R.T. -0.00 min

Lab File: BE091440.D

Acq: 4 Mar 2016 1:50

Instrument :

BNA_E

ClientSampleId :

SSTDCCC001

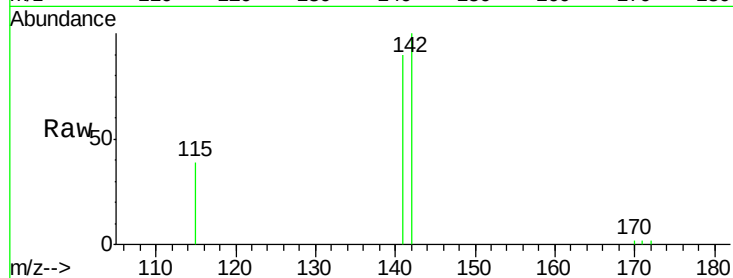
Tgt Ion:142 Resp: 7345

Ion Ratio Lower Upper

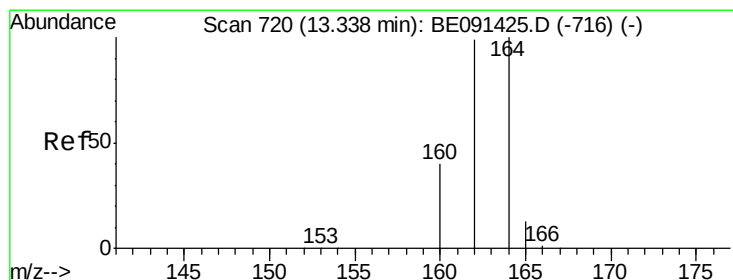
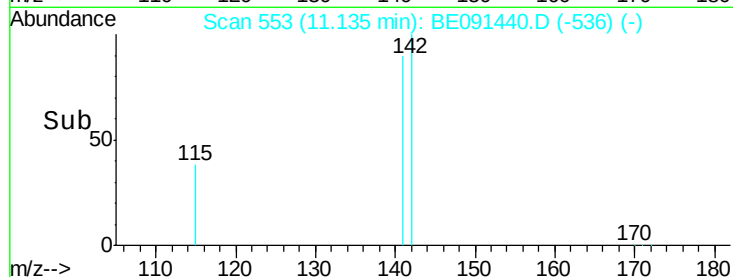
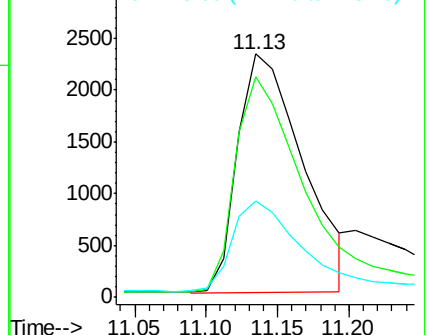
142 100

141 90.3 68.3 102.5

115 39.4 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: BE091440.D

Acq: 4 Mar 2016 1:50

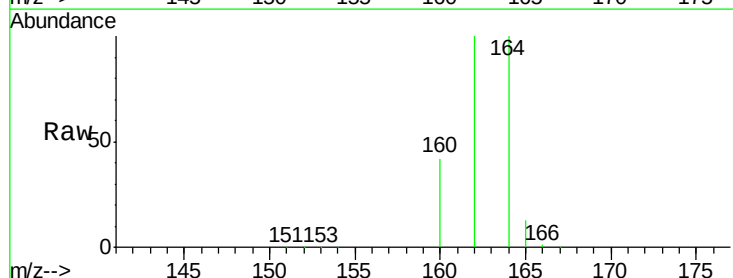
Tgt Ion:164 Resp: 88972

Ion Ratio Lower Upper

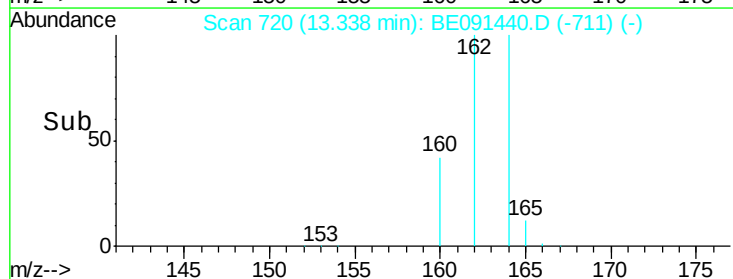
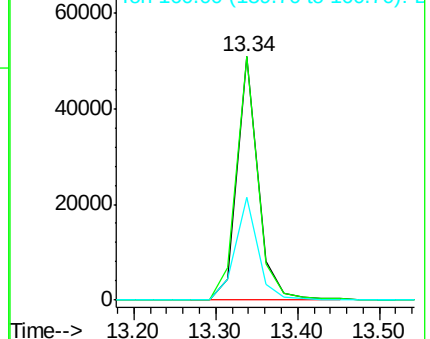
164 100

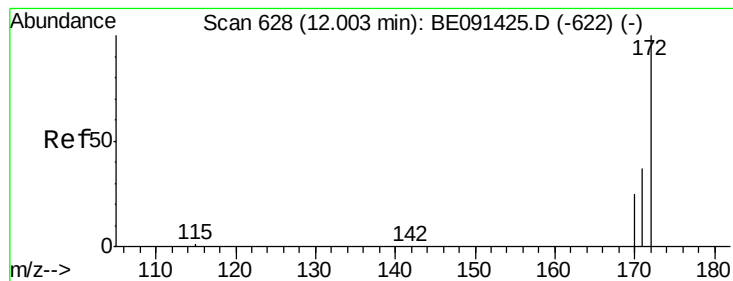
162 99.9 79.1 118.7

160 42.0 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: BE091440.D

Acq: 4 Mar 2016 1:50

Instrument :

BNA_E

ClientSampleId :

SSTDCCC001

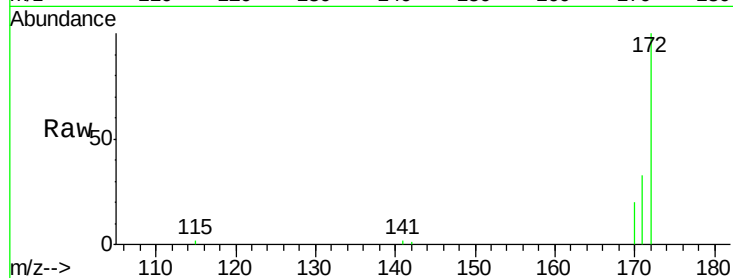
Tgt Ion:172 Resp: 8939

Ion Ratio Lower Upper

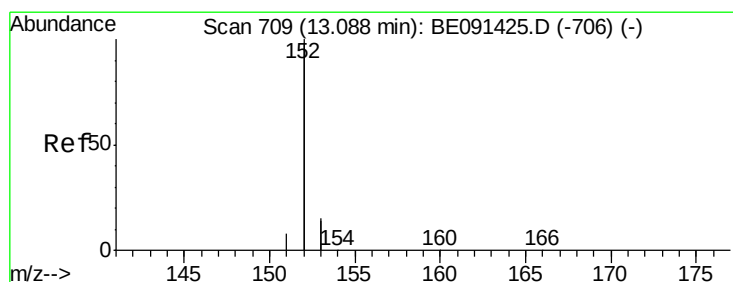
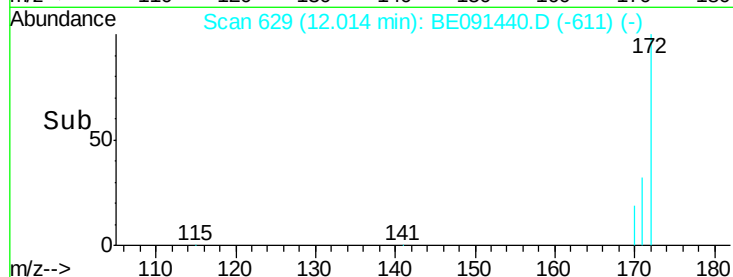
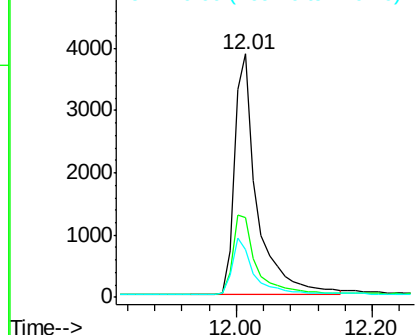
172 100

171 32.7 30.2 45.4

170 19.7 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: 0.36 ng

RT: 13.09 min Scan# 709

Delta R.T. -0.00 min

Lab File: BE091440.D

Acq: 4 Mar 2016 1:50

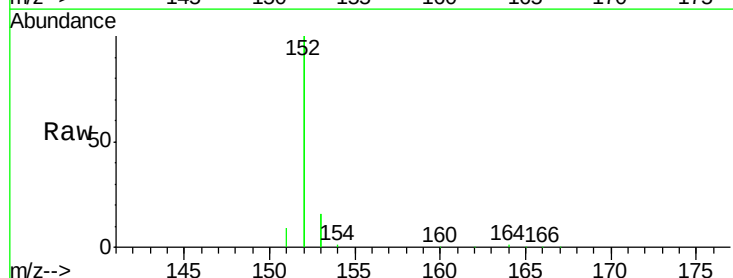
Tgt Ion:152 Resp: 53919

Ion Ratio Lower Upper

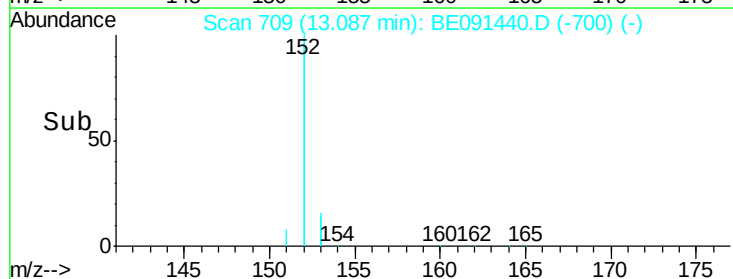
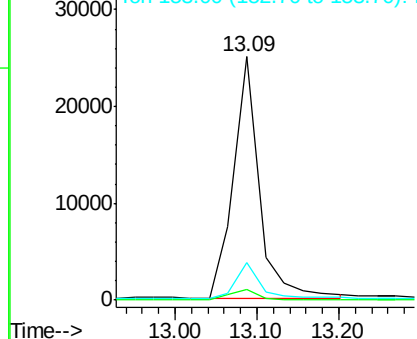
152 100

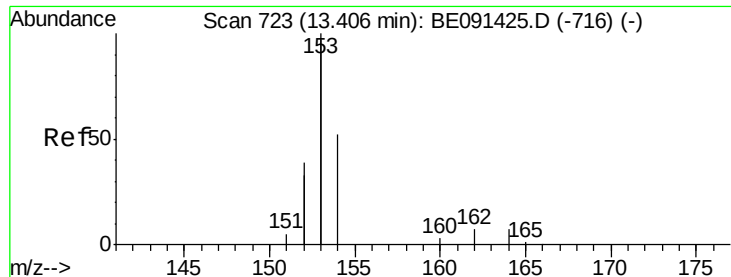
151 4.7 3.9 5.9

153 13.6 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: 0.38 ng

RT: 13.41 min Scan# 723

Delta R.T. -0.00 min

Lab File: BE091440.D

Acq: 4 Mar 2016 1:50

Instrument :

BNA_E

ClientSampleId :

SSTDCCC001

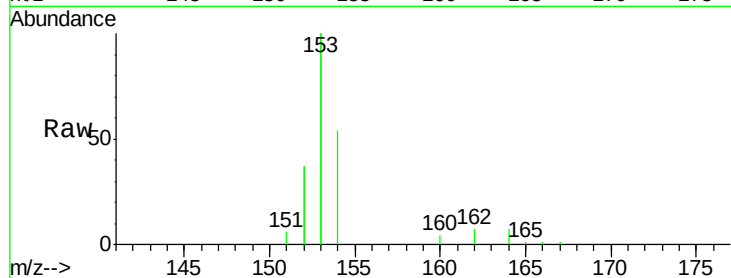
Tgt Ion:154 Resp: 10235

Ion Ratio Lower Upper

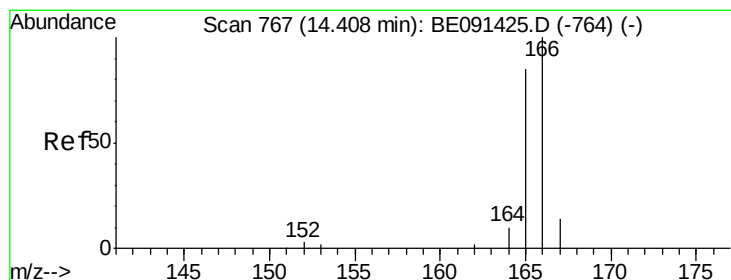
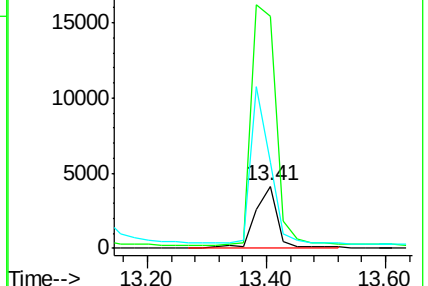
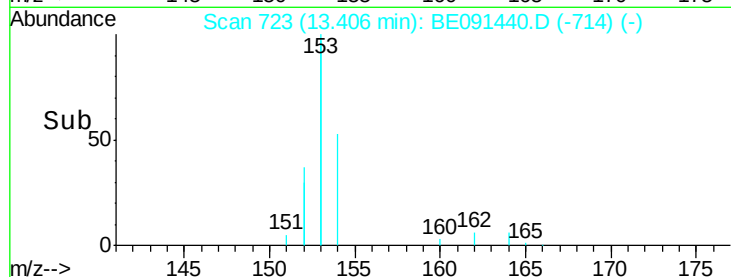
154 100

153 0.0 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



#12

Fluorene

Concen: 0.35 ng

RT: 14.41 min Scan# 767

Delta R.T. -0.00 min

Lab File: BE091440.D

Acq: 4 Mar 2016 1:50

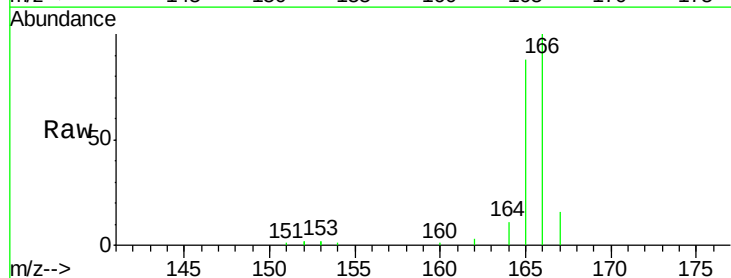
Tgt Ion:166 Resp: 12015

Ion Ratio Lower Upper

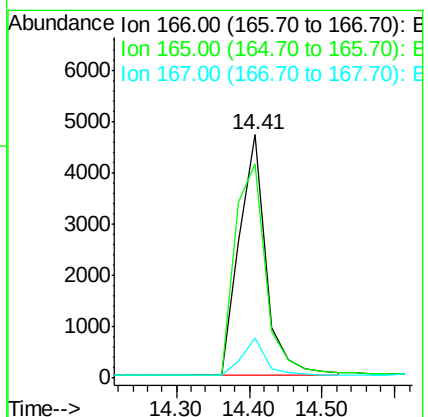
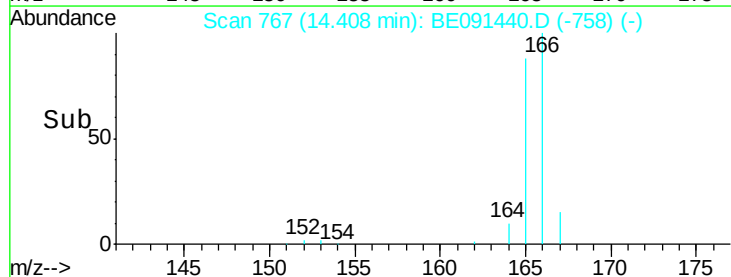
166 100

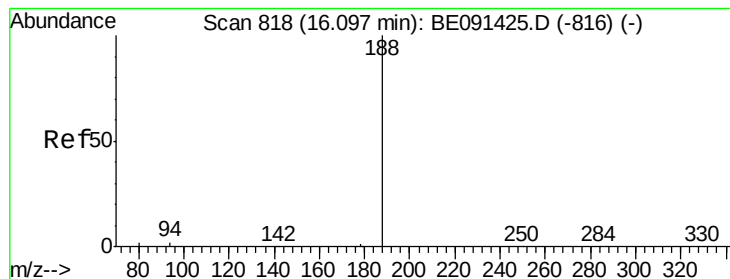
165 101.2 79.4 119.2

167 13.9 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





#13

Phenanthrene-d10

Concen: 5.00 ng

RT: 16.10 min Scan# 818

Delta R.T. -0.00 min

Lab File: BE091440.D

Acq: 4 Mar 2016 1:50

Instrument :

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ClientSampleId :

SSTDCCC001

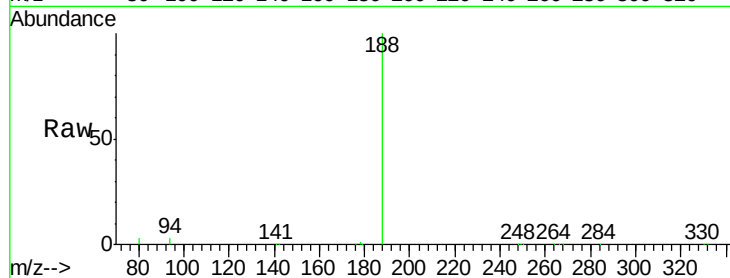
Tgt Ion:188 Resp: 145838

Ion Ratio Lower Upper

188 100

94 2.8 2.1 3.1

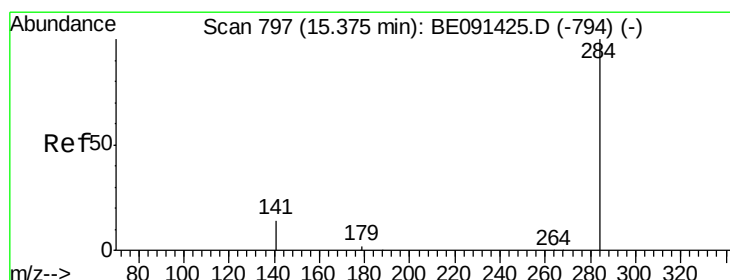
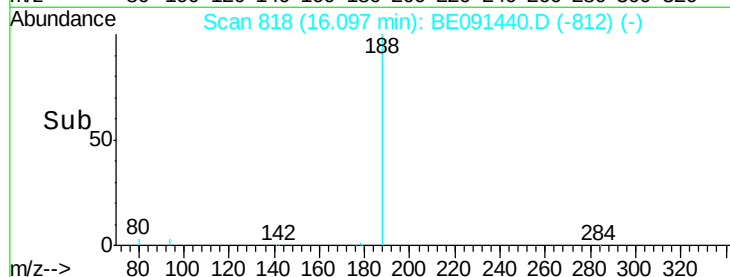
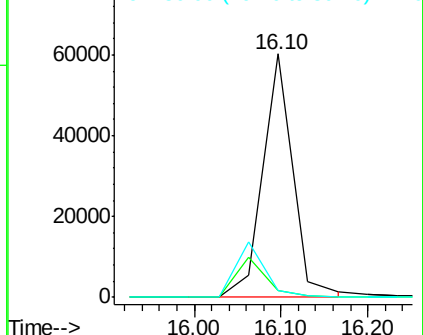
80 2.8 1.9 2.9



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: 0.39 ng

RT: 15.37 min Scan# 797

Delta R.T. -0.00 min

Lab File: BE091440.D

Acq: 4 Mar 2016 1:50

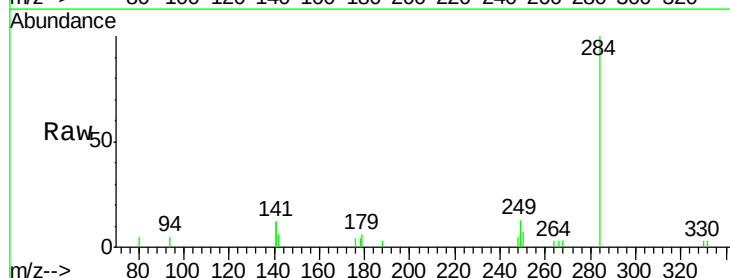
Tgt Ion:284 Resp: 3356

Ion Ratio Lower Upper

284 100

142 0.0 0.0 0.0

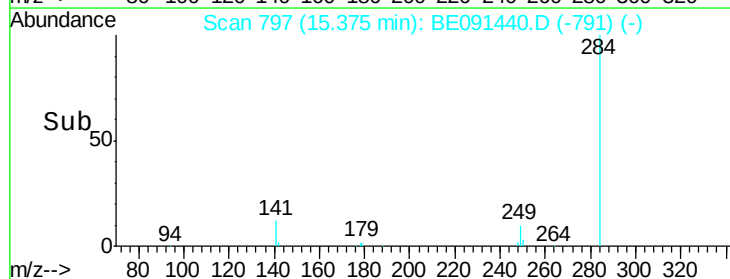
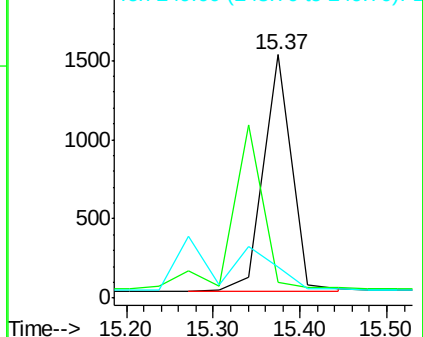
249 0.0 0.0 0.0

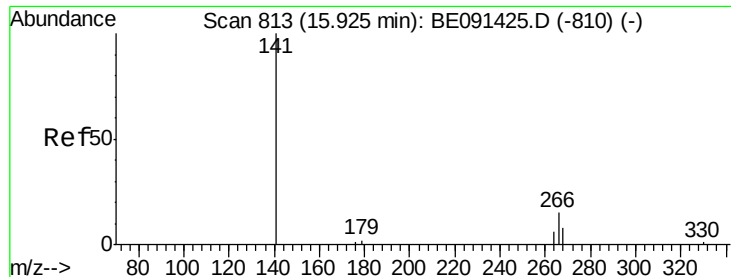


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





#15

Pentachlorophenol

Concen: Below Cal

RT: 15.89 min Scan# 812

Delta R.T. -0.03 min

Lab File: BE091440.D

Acq: 4 Mar 2016 1:50

Instrument :

BNA_E

ClientSampleId :

SSTDCCC001

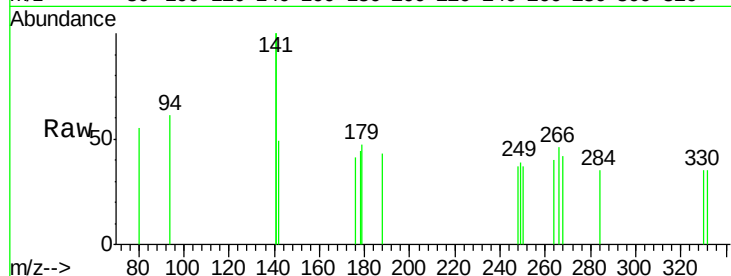
Tgt Ion: 266 Resp: 113

Ion Ratio Lower Upper

266 100

268 91.8 73.0 109.6

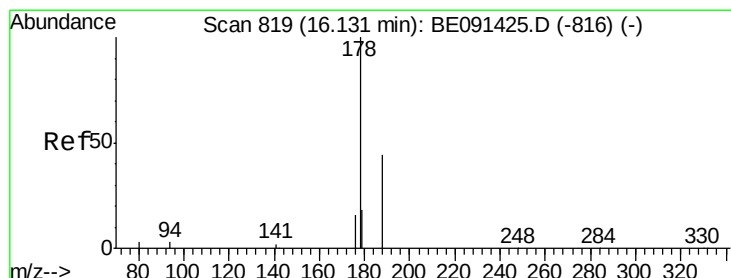
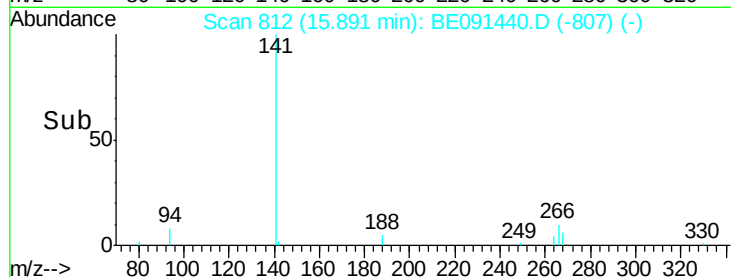
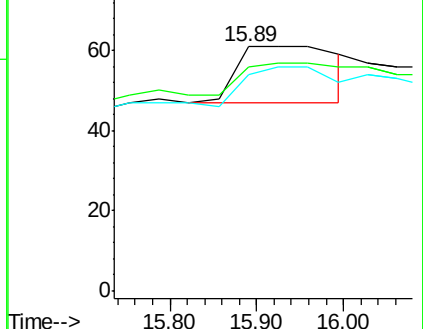
264 88.5 66.1 99.1



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: 0.41 ng

RT: 16.13 min Scan# 819

Delta R.T. -0.00 min

Lab File: BE091440.D

Acq: 4 Mar 2016 1:50

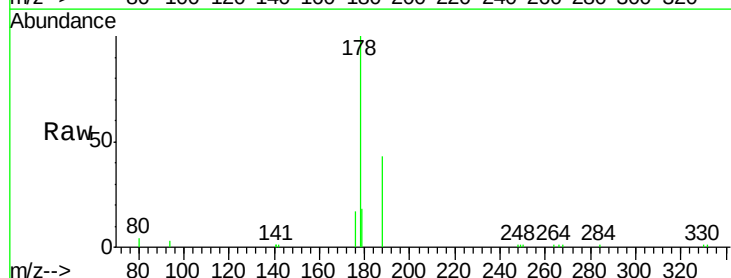
Tgt Ion: 178 Resp: 21290

Ion Ratio Lower Upper

178 100

176 17.2 13.8 20.8

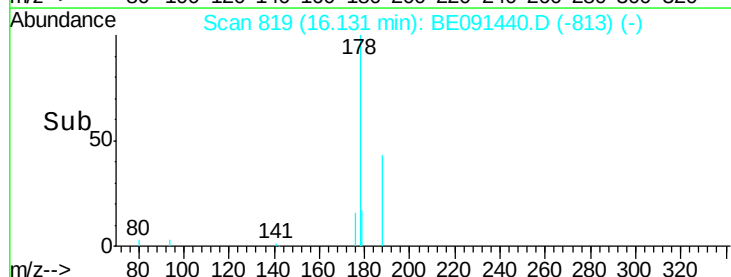
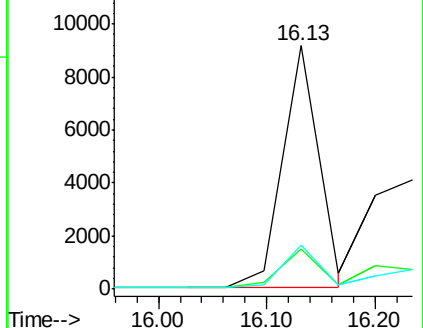
179 17.6 14.2 21.4

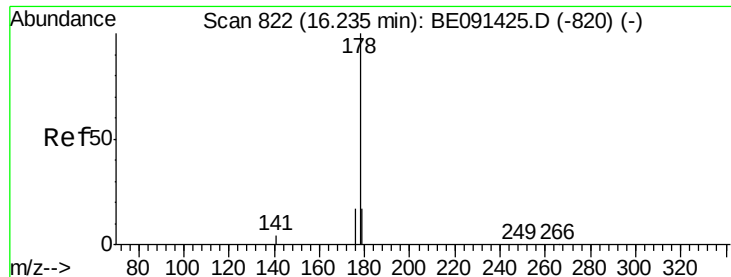


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

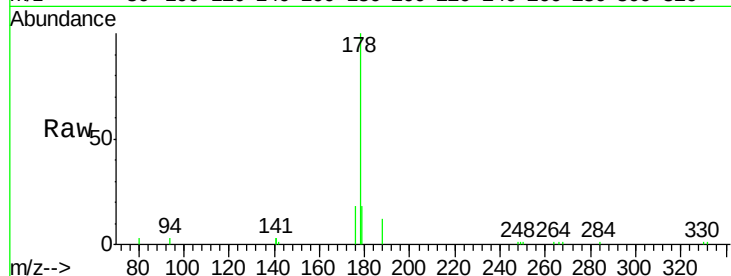




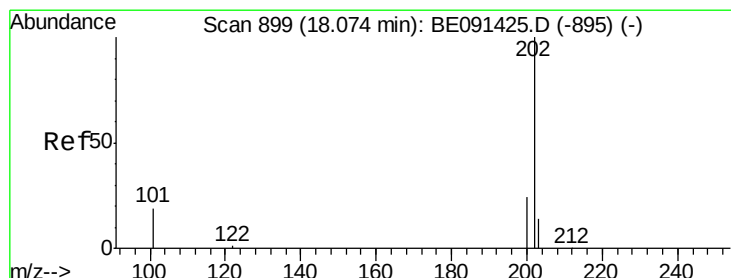
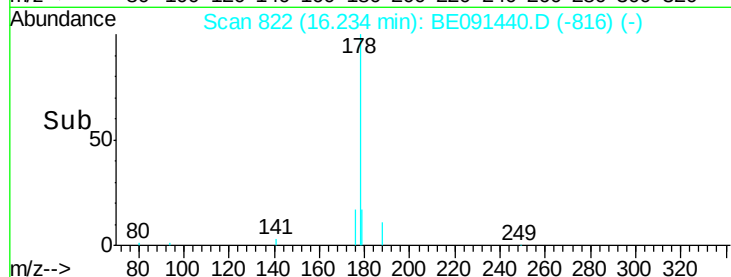
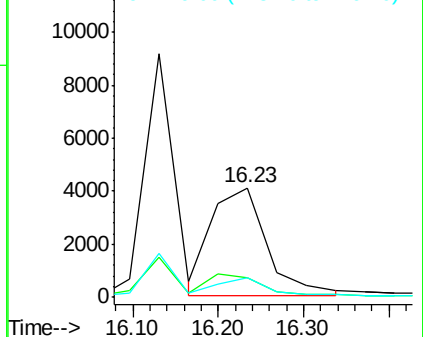
#17
 Anthracene
 Concen: 0.34 ng m
 RT: 16.23 min Scan# 822
 Delta R.T. 0.00 min
 Lab File: BE091440.D
 Acq: 4 Mar 2016 1:50

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC001

Tgt Ion:178 Resp: 18448
 Ion Ratio Lower Upper
 178 100
 176 32.4 24.4 36.6
 179 19.9 14.8 22.2

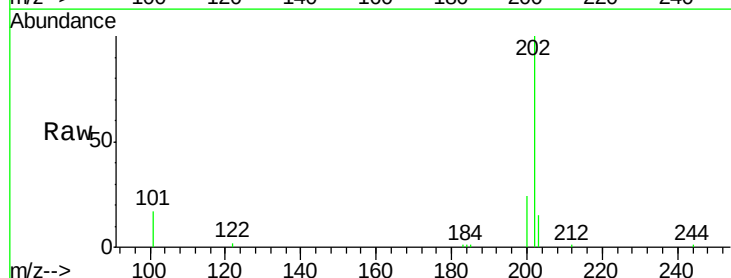


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

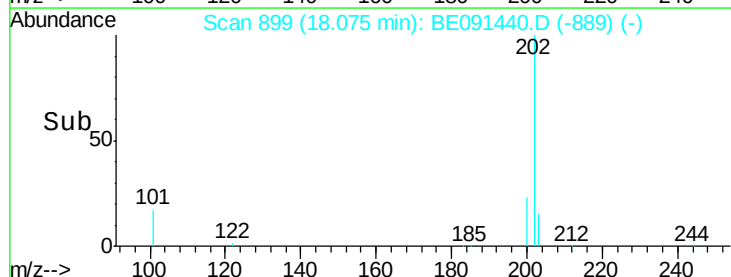
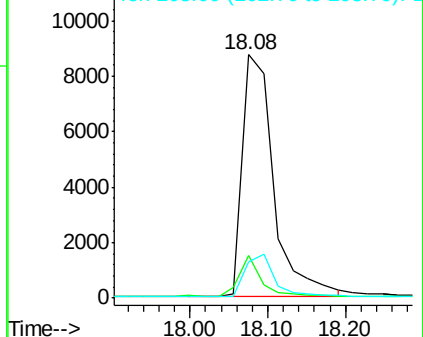


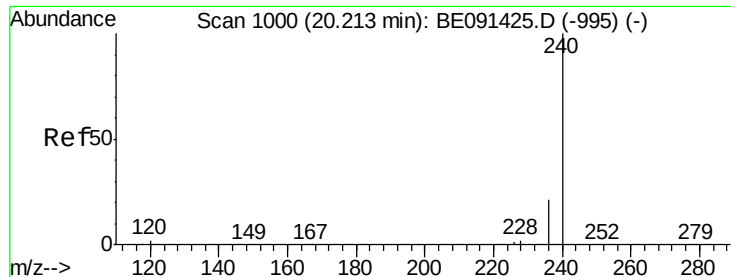
#18
 Fluoranthene
 Concen: 0.36 ng
 RT: 18.08 min Scan# 899
 Delta R.T. 0.00 min
 Lab File: BE091440.D
 Acq: 4 Mar 2016 1:50

Tgt Ion:202 Resp: 24413
 Ion Ratio Lower Upper
 202 100
 101 12.5 11.0 16.6
 203 17.2 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: BE091440.D

Acq: 4 Mar 2016 1:50

Instrument :

BNA_E

ClientSampleId :

SSTDCCC001

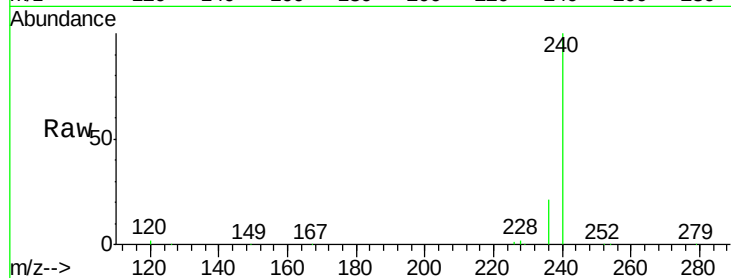
Tgt Ion:240 Resp: 234163

Ion Ratio Lower Upper

240 100

120 1.7 1.4 2.0

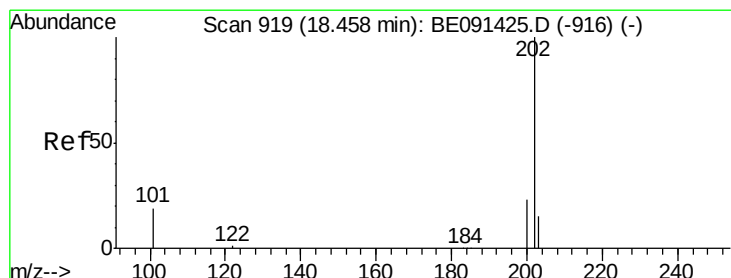
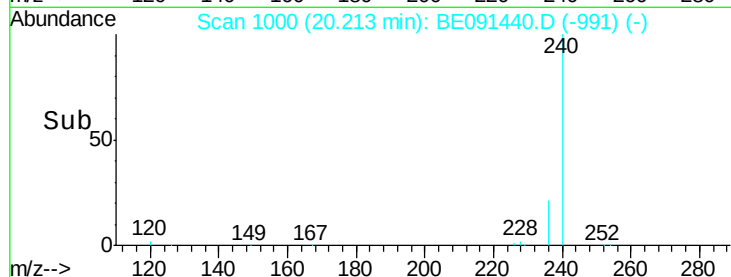
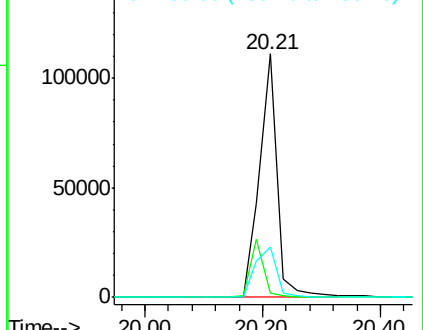
236 20.7 16.7 25.1



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: 0.38 ng

RT: 18.46 min Scan# 919

Delta R.T. 0.00 min

Lab File: BE091440.D

Acq: 4 Mar 2016 1:50

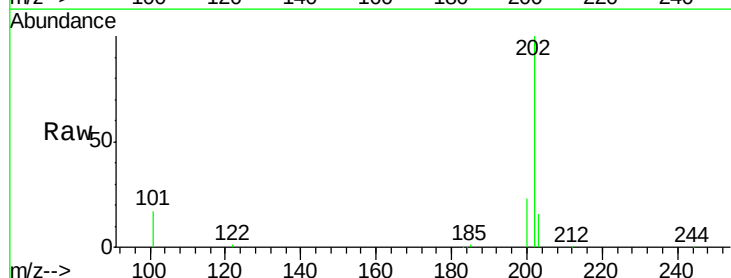
Tgt Ion:202 Resp: 25423

Ion Ratio Lower Upper

202 100

200 20.8 16.5 24.7

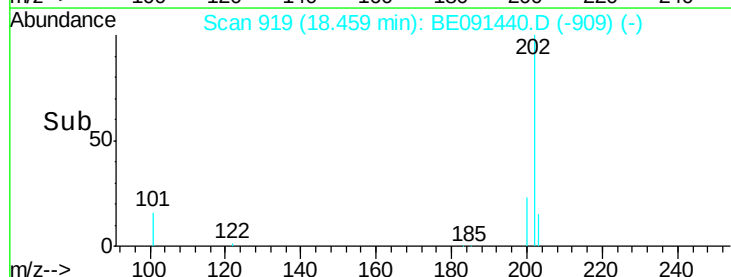
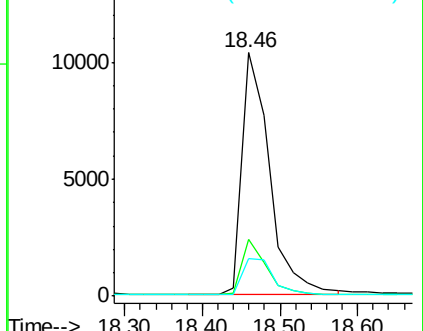
203 17.3 13.8 20.6

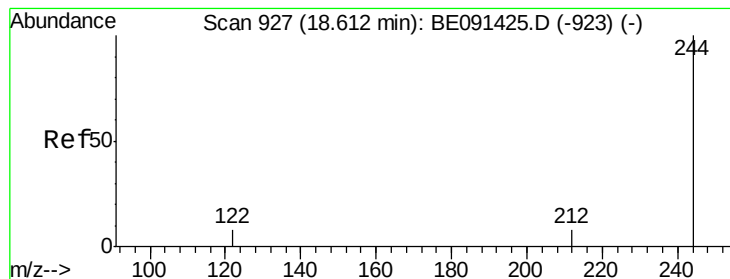


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#21

Terphenyl-d14

Concen: 0.45 ng

RT: 18.61 min Scan# 927

Delta R.T. 0.00 min

Lab File: BE091440.D

Acq: 4 Mar 2016 1:50

Instrument :

BNA_E

ClientSampleId :

SSTDCCC001

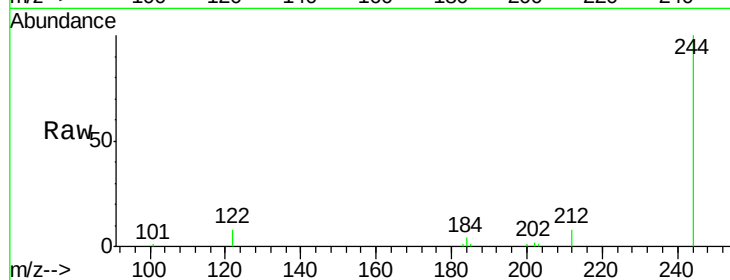
Tgt Ion:244 Resp: 15866

Ion Ratio Lower Upper

244 100

212 8.2 7.0 10.6

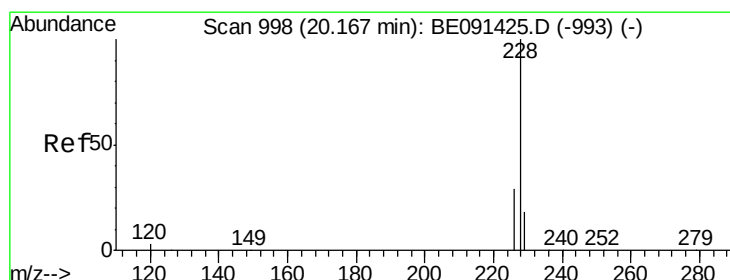
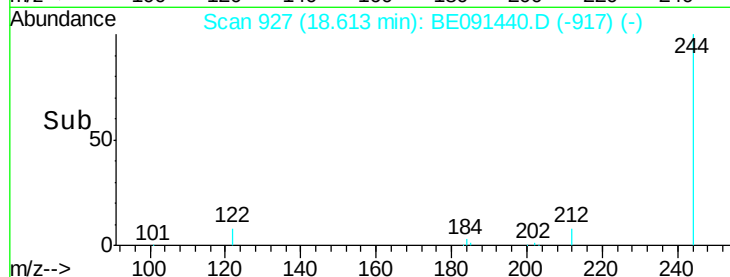
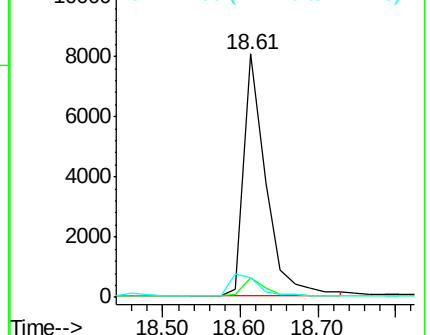
122 8.2 6.8 10.2



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#22

Benzo(a)anthracene

Concen: 0.36 ng

RT: 20.17 min Scan# 998

Delta R.T. -0.00 min

Lab File: BE091440.D

Acq: 4 Mar 2016 1:50

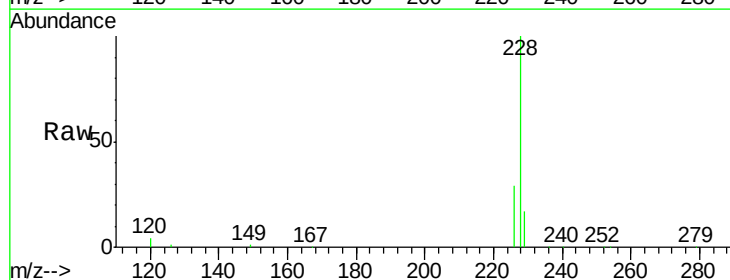
Tgt Ion:228 Resp: 29263

Ion Ratio Lower Upper

228 100

226 28.5 23.1 34.7

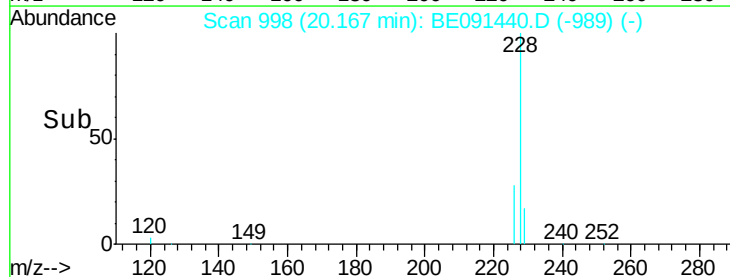
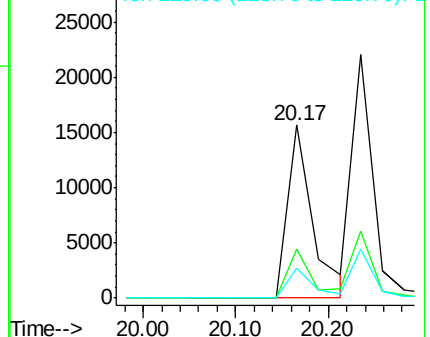
229 17.3 14.5 21.7

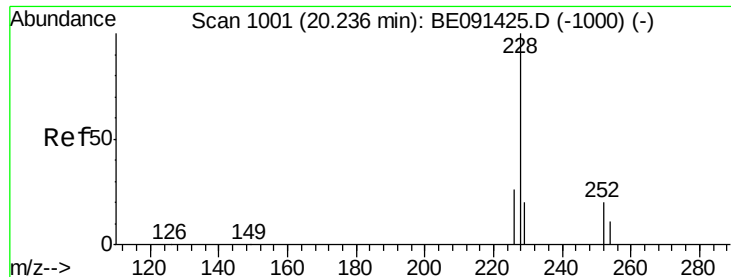


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#23

Chrysene

Concen: 0.40 ng

RT: 20.24 min Scan# 1001

Delta R.T. -0.00 min

Lab File: BE091440.D

Acq: 4 Mar 2016 1:50

Instrument :

BNA_E

ClientSampleId :

SSTDCCC001

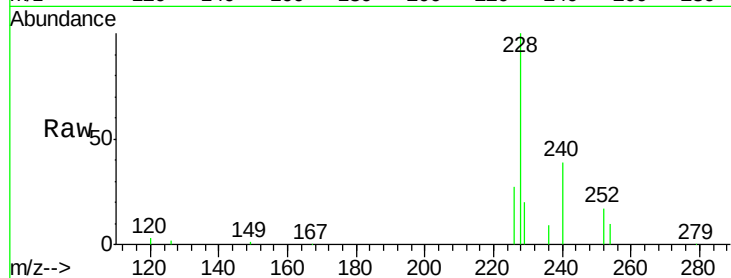
Tgt Ion:228 Resp: 34702

Ion Ratio Lower Upper

228 100

226 27.5 22.0 33.0

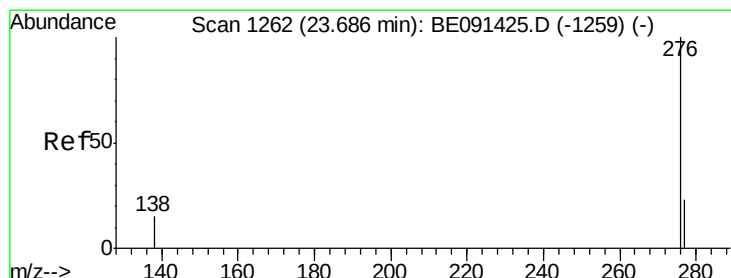
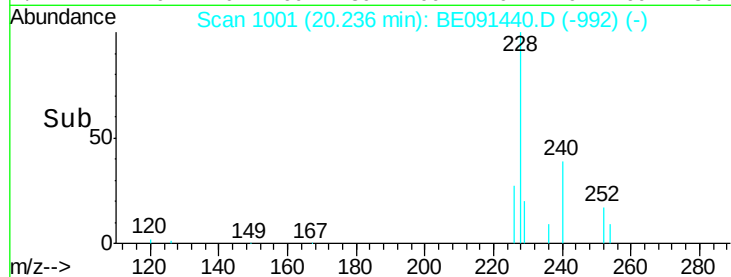
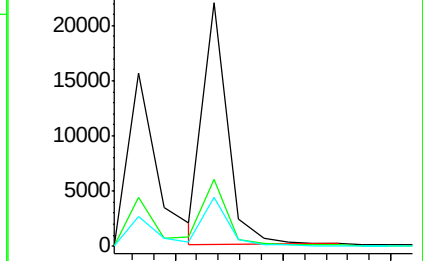
229 20.2 16.2 24.2



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.38 ng m

RT: 23.69 min Scan# 1262

Delta R.T. -0.00 min

Lab File: BE091440.D

Acq: 4 Mar 2016 1:50

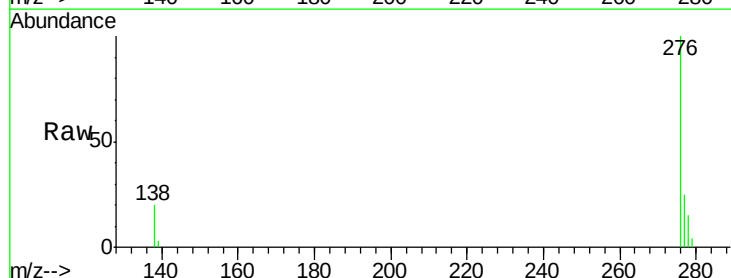
Tgt Ion:276 Resp: 26531

Ion Ratio Lower Upper

276 100

138 19.8 16.1 24.1

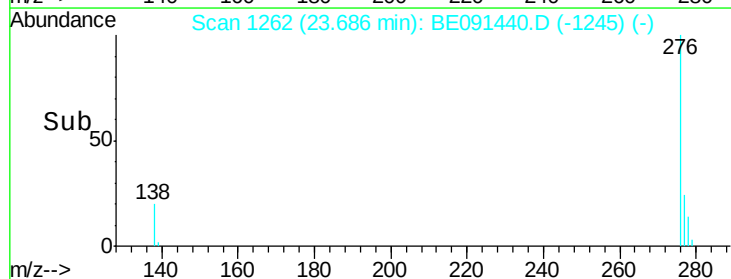
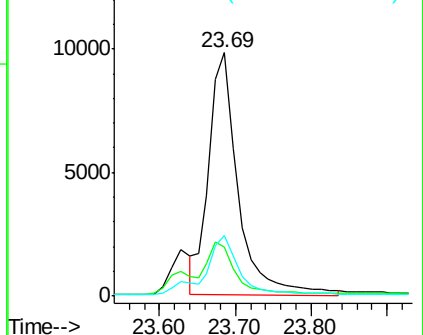
277 28.0 22.9 34.3

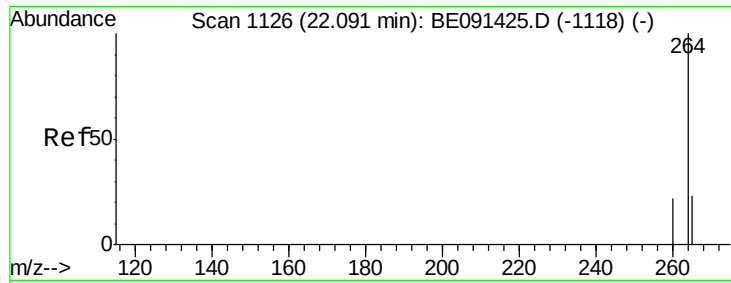


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

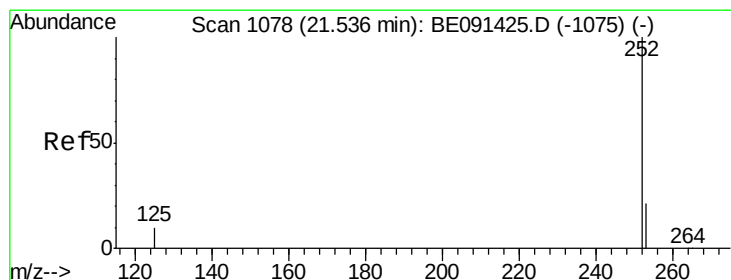
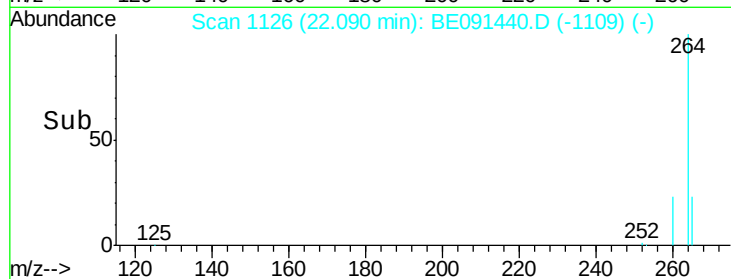
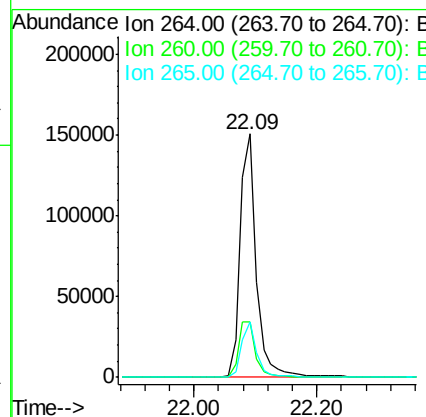
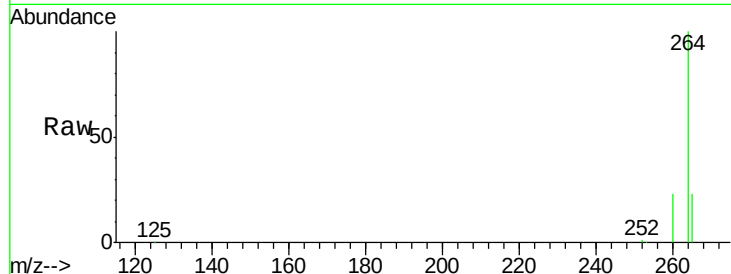




#25
Perylene-d12
Concen: 5.00 ng
RT: 22.09 min Scan# 1126
Delta R.T. -0.00 min
Lab File: BE091440.D
Acq: 4 Mar 2016 1:50

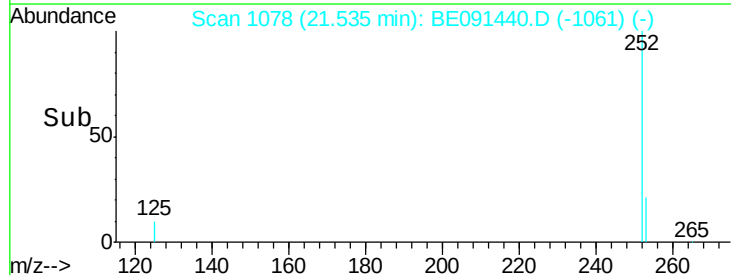
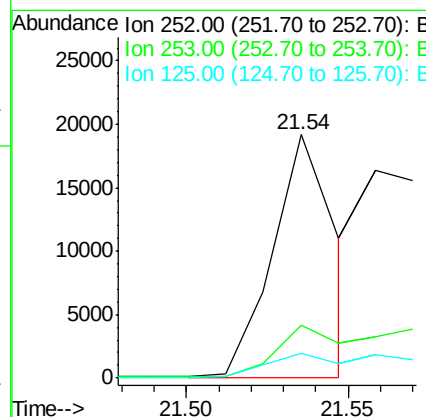
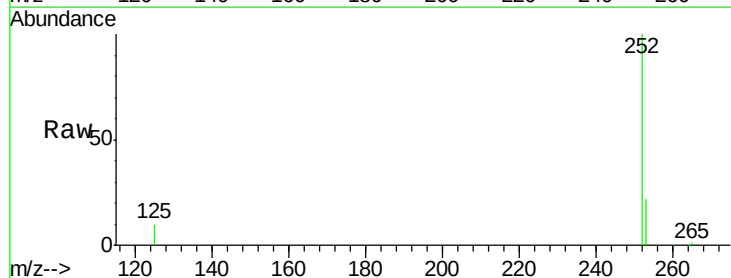
Instrument :
BNA_E
ClientSampleId :
SSTDCCC001

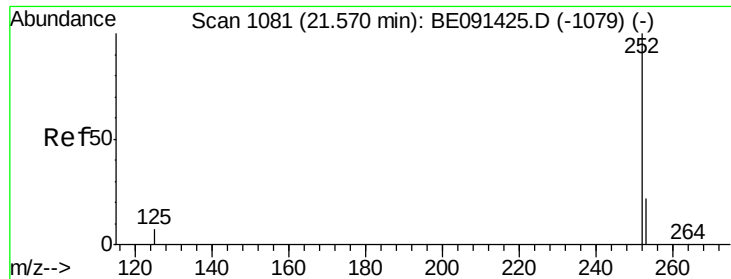
Tgt Ion: 264 Resp: 277633
Ion Ratio Lower Upper
264 100
260 22.7 18.0 27.0
265 22.8 18.2 27.4



#26
Benzo(b)fluoranthene
Concen: 0.34 ng m
RT: 21.54 min Scan# 1078
Delta R.T. -0.00 min
Lab File: BE091440.D
Acq: 4 Mar 2016 1:50

Tgt Ion: 252 Resp: 25959
Ion Ratio Lower Upper
252 100
253 21.7 17.0 25.4
125 10.3 8.3 12.5





#27

Benzo(k)fluoranthene

Concen: 0.41 ng m

RT: 21.56 min Scan# 1080

Delta R.T. -0.01 min

Lab File: BE091440.D

Acq: 4 Mar 2016 1:50

Instrument :

BNA_E

ClientSampleId :

SSTDCCC001

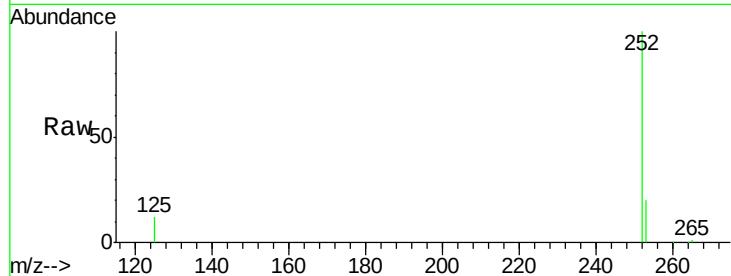
Tgt Ion:252 Resp: 31138

Ion Ratio Lower Upper

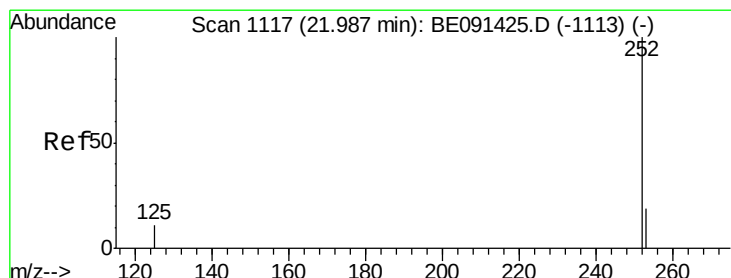
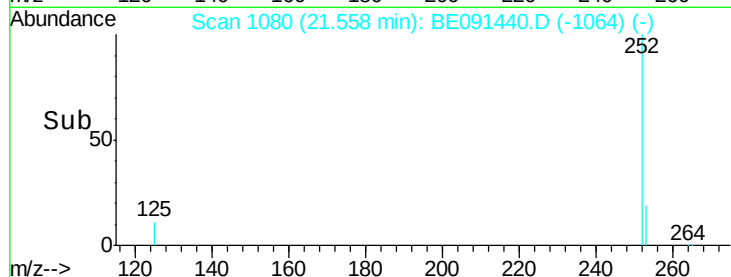
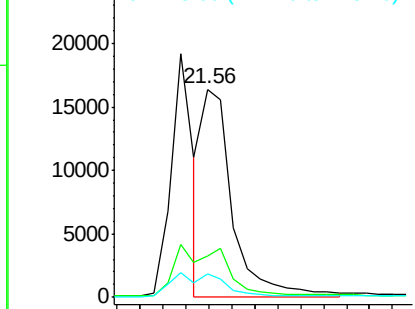
252 100

253 19.6 19.5 29.3

125 11.6 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: 0.36 ng

RT: 21.99 min Scan# 1117

Delta R.T. -0.00 min

Lab File: BE091440.D

Acq: 4 Mar 2016 1:50

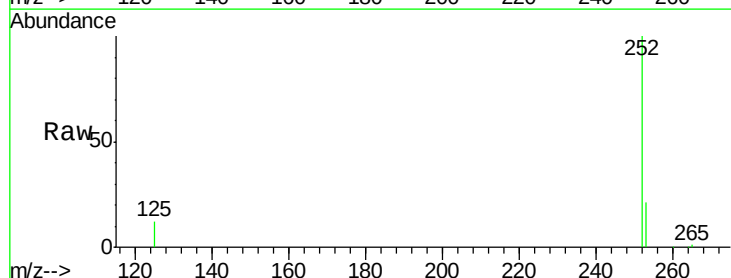
Tgt Ion:252 Resp: 24139

Ion Ratio Lower Upper

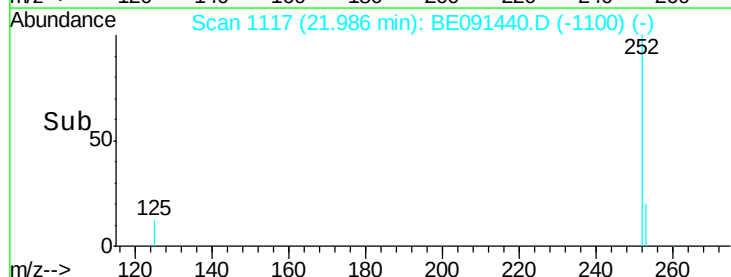
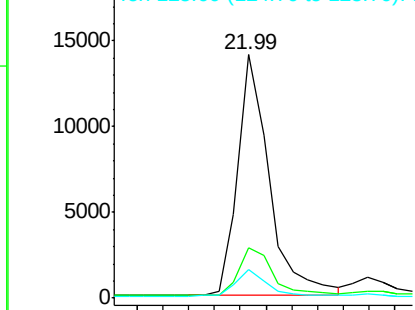
252 100

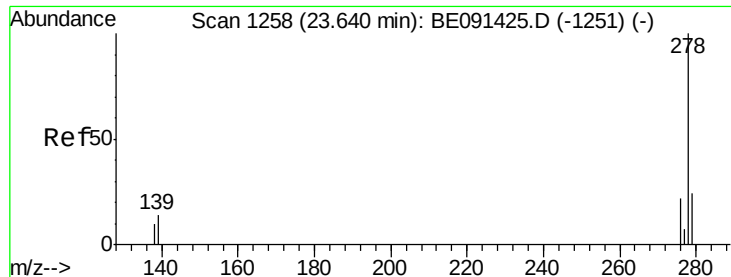
253 20.8 16.2 24.4

125 12.0 9.6 14.4



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#29

Dibenzo(a,h)anthracene

Concen: 0.36 ng

RT: 23.63 min Scan# 1257

Delta R.T. -0.01 min

Lab File: BE091440.D

Acq: 4 Mar 2016 1:50

Instrument :

BNA_E

ClientSampleId :

SSTDCCC001

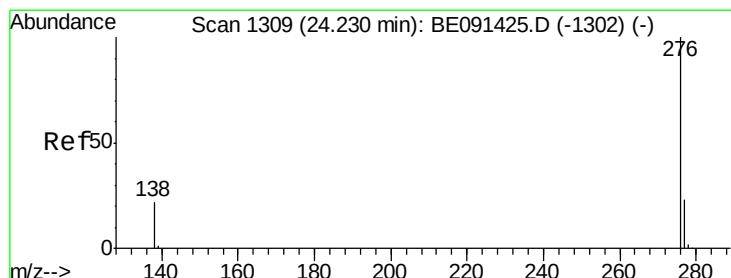
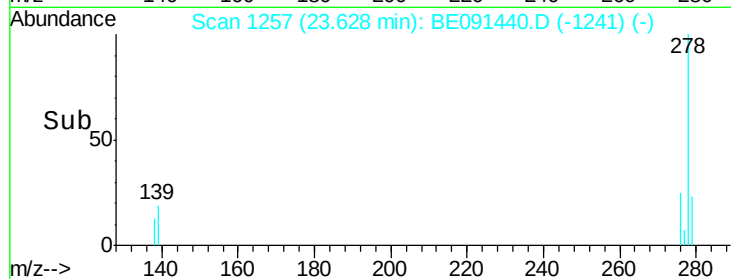
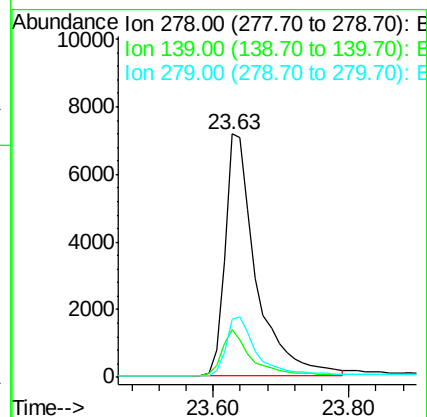
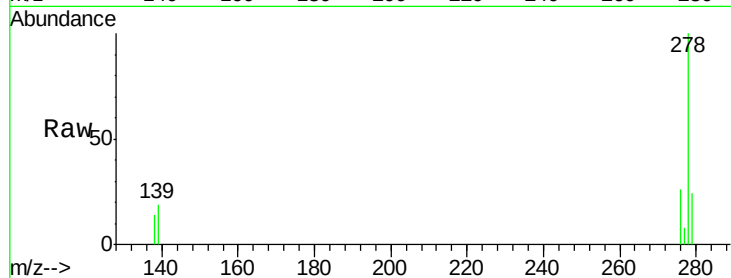
Tgt Ion: 278 Resp: 22901

Ion Ratio Lower Upper

278 100

139 19.4 12.1 18.1#

279 24.1 19.4 29.0



#30

Benzo(g,h,i)perylene

Concen: 0.37 ng

RT: 24.23 min Scan# 1309

Delta R.T. -0.00 min

Lab File: BE091440.D

Acq: 4 Mar 2016 1:50

Tgt Ion: 276 Resp: 25668

Ion Ratio Lower Upper

276 100

277 23.1 19.0 28.6

138 23.2 18.2 27.4

