

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE030316\
 Data File : BE091424.D
 Acq On : 3 Mar 2016 16:00
 Operator : UM/IZ
 Sample : SSTDICC0.2
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.2

Quant Time: Mar 04 03:18:30 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-BE030316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 04 03:11:46 2016
 Response via : Initial Calibration

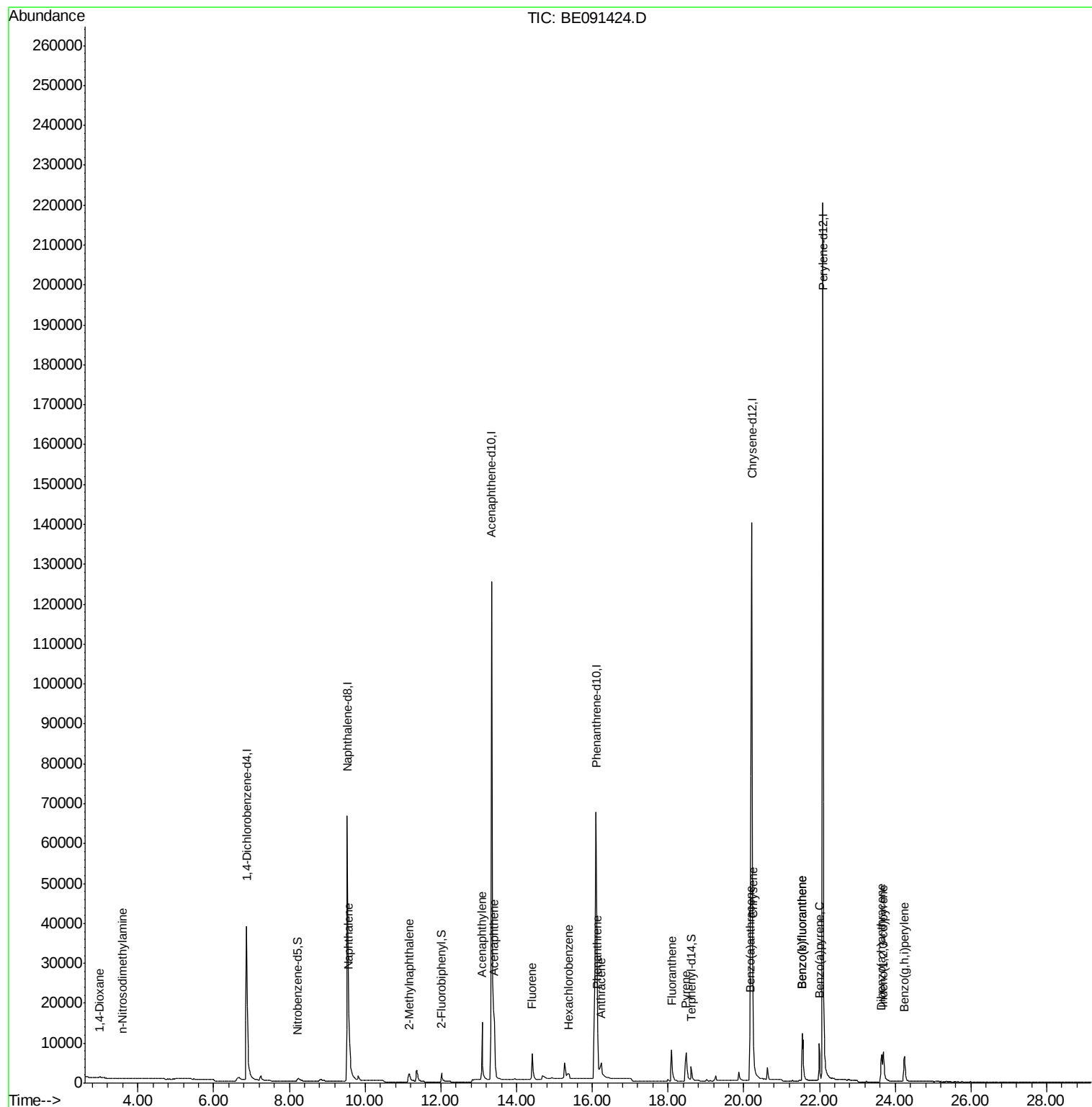
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	29795	5.00	ng	0.00
4) Naphthalene-d8	9.53	136	138871	5.00	ng	0.00
8) Acenaphthene-d10	13.34	164	87581	5.00	ng	0.00
13) Phenanthrene-d10	16.10	188	152856	5.00	ng	0.00
19) Chrysene-d12	20.21	240	225275	5.00	ng	0.00
25) Perylene-d12	22.09	264	269950	5.00	ng	0.00
System Monitoring Compounds						
5) Nitrobenzene-d5	8.21	82	1124	0.15	ng	0.03
9) 2-Fluorobiphenyl	12.01	172	3892	0.17	ng	0.01
21) Terphenyl-d14	18.61	244	6508	0.19	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.98	88	480	0.10	ng	93
3) n-Nitrosodimethylamine	3.59	42	279	0.68	ng	# 1
6) Naphthalene	9.57	128	6360	0.21	ng	97
7) 2-Methylnaphthalene	11.17	142	4196	0.24	ng	97
10) Acenaphthylene	13.09	152	25811	0.22	ng	99
11) Acenaphthene	13.41	154	5049	0.23	ng	# 100
12) Fluorene	14.41	166	6229	0.22	ng	98
14) Hexachlorobenzene	15.38	284	2005	0.29	ng	# 100
16) Phenanthrene	16.13	178	10333	0.27	ng	99
17) Anthracene	16.24	178	5191	0.15	ng	# 65
18) Fluoranthene	18.09	202	11782	0.30	ng	98
20) Pyrene	18.48	202	11872	0.23	ng	99
22) Benzo(a)anthracene	20.17	228	13719	0.30	ng	97
23) Chrysene	20.23	228	16866	0.27	ng	99
24) Indeno(1,2,3-cd)pyrene	23.68	276	14509	0.32	ng	# 90
26) Benzo(b)fluoranthene	21.54	252	27410	0.49	ng	99
27) Benzo(k)fluoranthene	21.54	252	27639	0.42	ng	# 95
28) Benzo(a)pyrene	21.99	252	12152	0.24	ng	98
29) Dibenzo(a,h)anthracene	23.64	278	11434	0.27	ng	96
30) Benzo(g,h,i)perylene	24.24	276	12703	0.23	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: BE091424.D

Acq: 3 Mar 2016 16:00

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.2

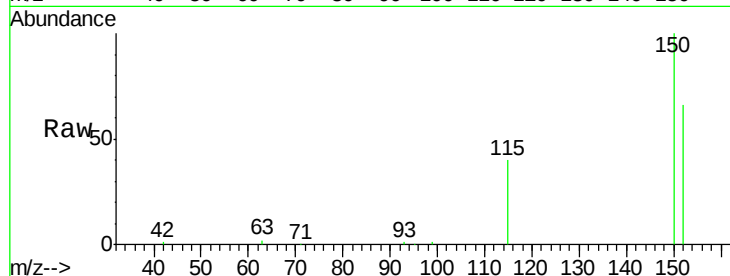
Tgt Ion:152 Resp: 29795

Ion Ratio Lower Upper

152 100

150 152.1 115.0 172.4

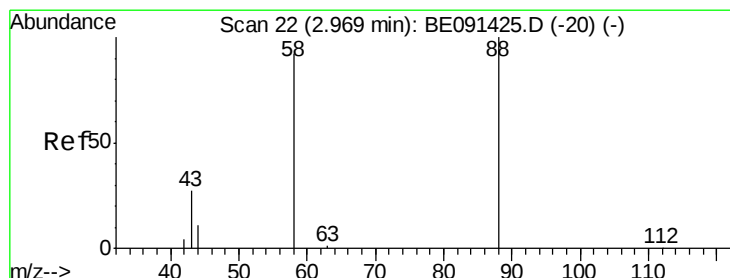
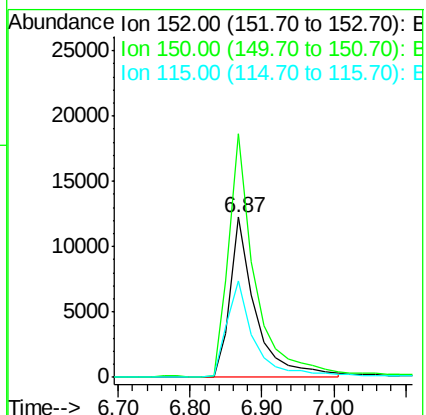
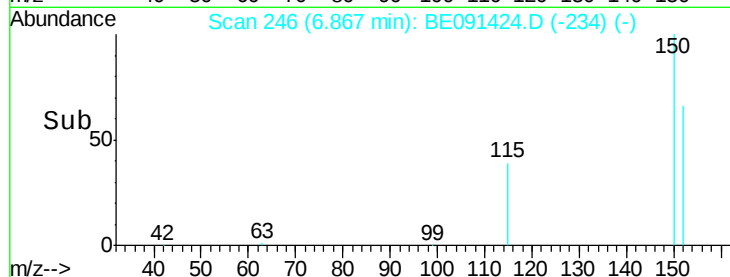
115 60.3 42.2 63.4



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: 0.10 ng

RT: 2.98 min Scan# 23

Delta R.T. 0.02 min

Lab File: BE091424.D

Acq: 3 Mar 2016 16:00

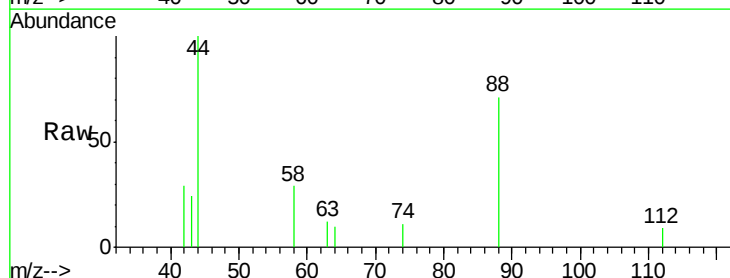
Tgt Ion: 88 Resp: 480

Ion Ratio Lower Upper

88 100

58 111.3 96.9 145.3

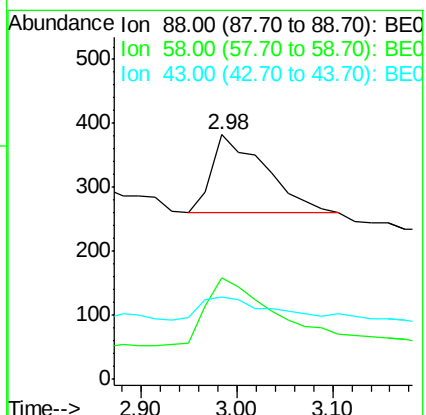
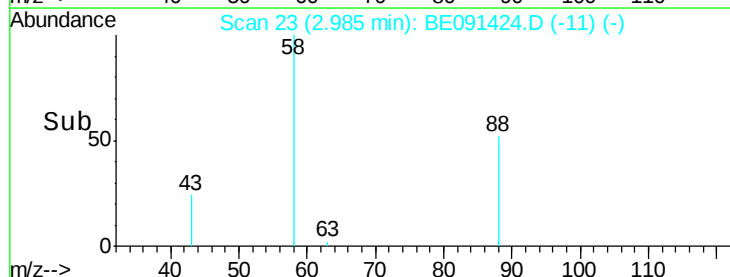
43 38.3 29.3 43.9

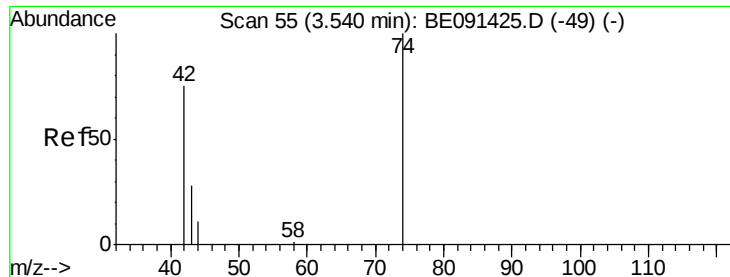


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.68 ng

RT: 3.59 min Scan# 58

Delta R.T. 0.05 min

Lab File: BE091424.D

Acq: 3 Mar 2016 16:00

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.2

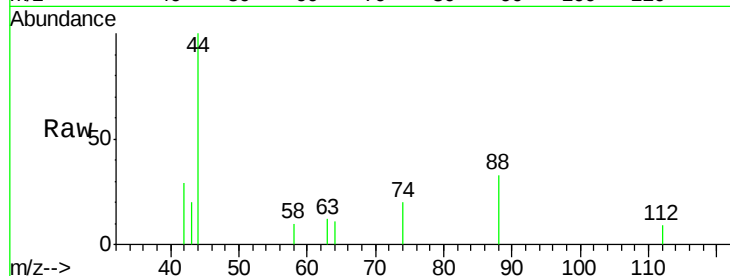
Tgt Ion: 42 Resp: 279

Ion Ratio Lower Upper

42 100

74 0.0 96.6 144.8#

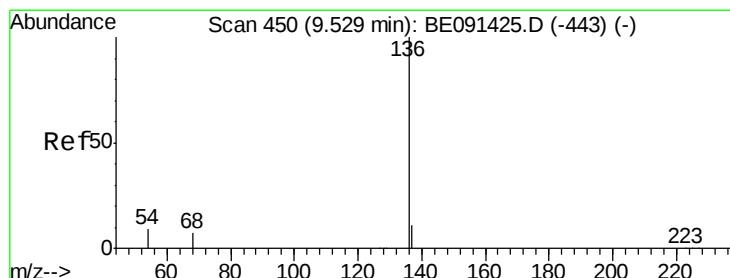
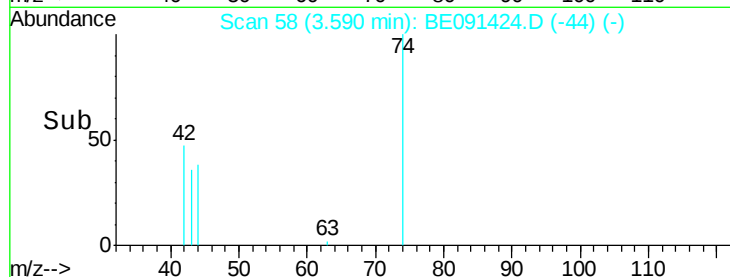
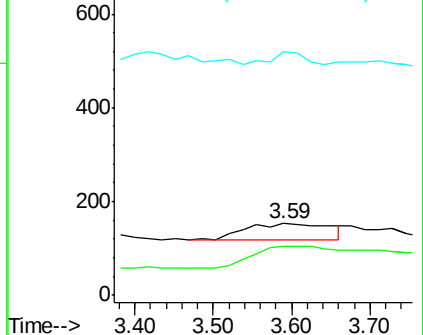
44 27.2 0.0 0.0#



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: BE091424.D

Acq: 3 Mar 2016 16:00

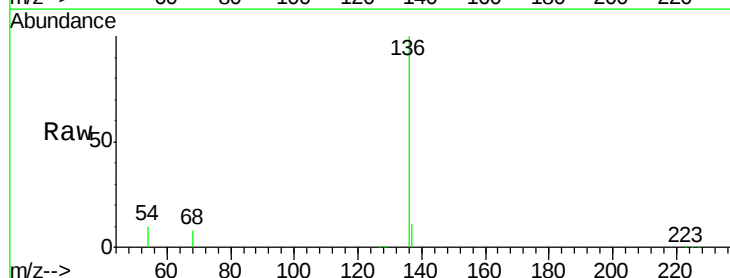
Tgt Ion: 136 Resp: 138871

Ion Ratio Lower Upper

136 100

137 10.6 8.7 13.1

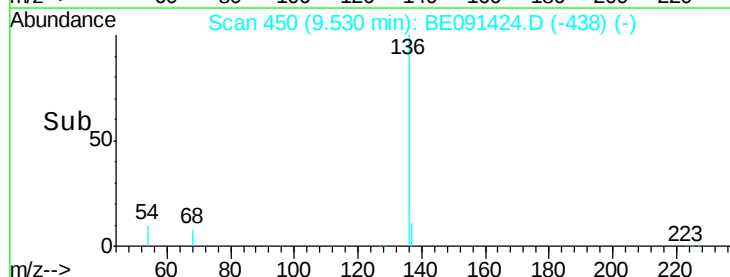
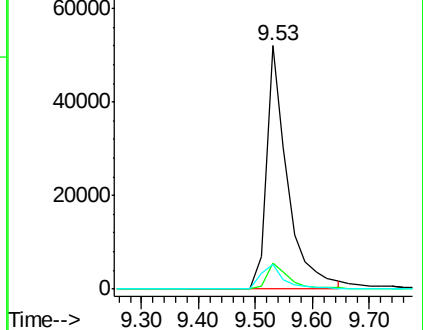
54 10.0 6.9 10.3

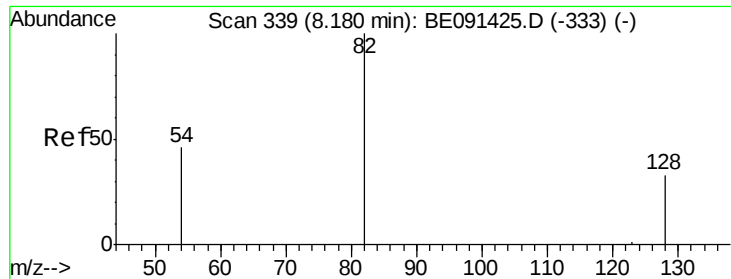


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0





#5

Nitrobenzene-d5

Concen: 0.15 ng

RT: 8.21 min Scan# 342

Delta R.T. 0.03 min

Lab File: BE091424.D

Acq: 3 Mar 2016 16:00

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.2

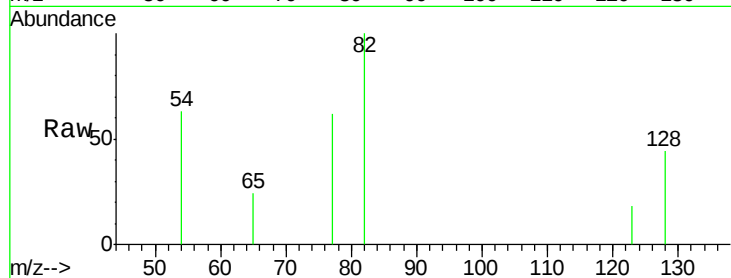
Tgt Ion: 82 Resp: 1124

Ion Ratio Lower Upper

82 100

128 43.9 30.0 45.0

54 62.5 41.5 62.3#

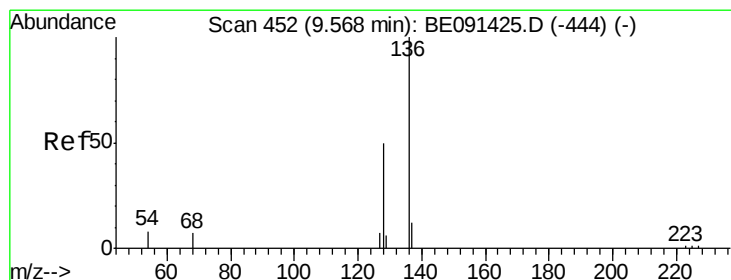
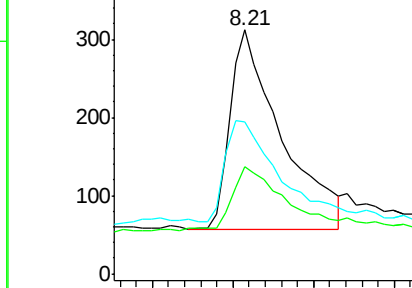
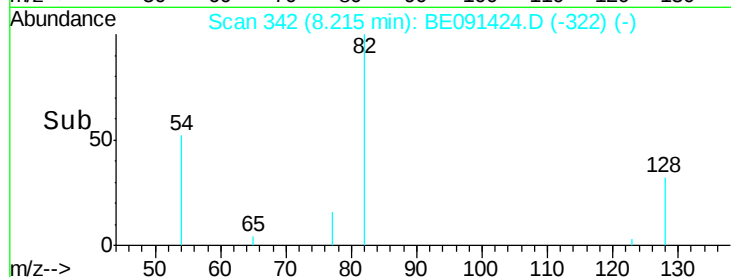


Abundance Ion 82.00 (81.70 to 82.70): BE091424.D (-342) (-)

Ion 128.00 (127.70 to 128.70): BE091424.D (-342) (-)

Ion 54.00 (53.70 to 54.70): BE091424.D (-342) (-)

Time-->



#6

Naphthalene

Concen: 0.21 ng

RT: 9.57 min Scan# 452

Delta R.T. 0.00 min

Lab File: BE091424.D

Acq: 3 Mar 2016 16:00

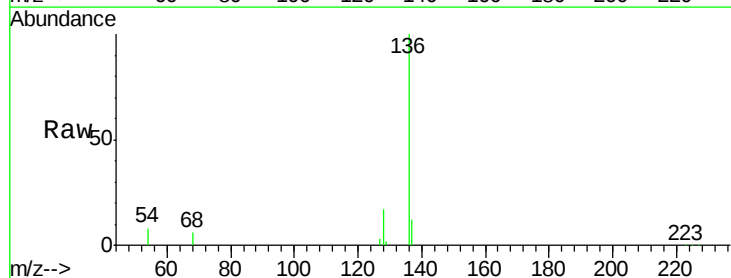
Tgt Ion: 128 Resp: 6360

Ion Ratio Lower Upper

128 100

129 12.7 9.5 14.3

127 15.9 11.4 17.0

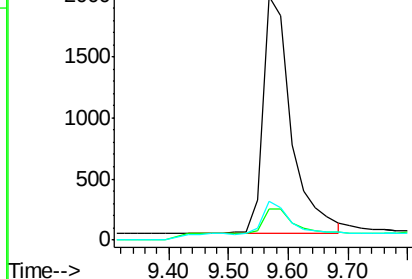
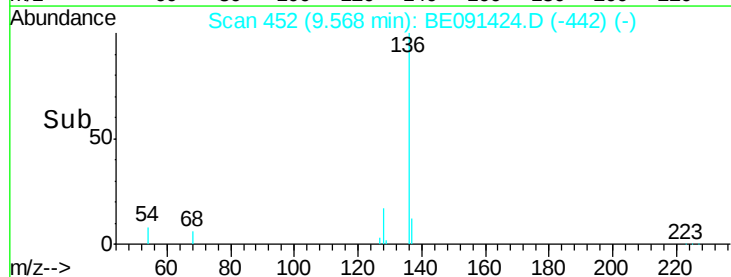


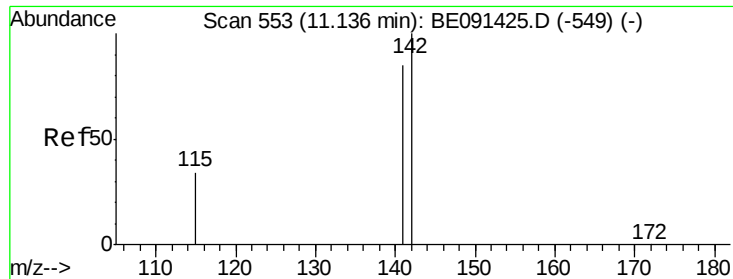
Abundance Ion 128.00 (127.70 to 128.70): BE091424.D (-452) (-)

Ion 129.00 (128.70 to 129.70): BE091424.D (-452) (-)

Ion 127.00 (126.70 to 127.70): BE091424.D (-452) (-)

Time-->





#7

2-Methylnaphthalene

Concen: 0.24 ng

RT: 11.17 min Scan# 556

Delta R.T. 0.04 min

Lab File: BE091424.D

Acq: 3 Mar 2016 16:00

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.2

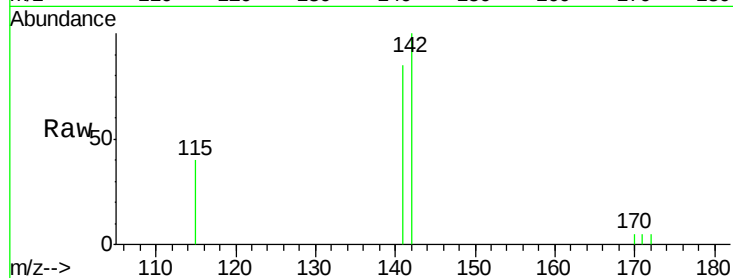
Tgt Ion:142 Resp: 4196

Ion Ratio Lower Upper

142 100

141 84.8 68.3 102.5

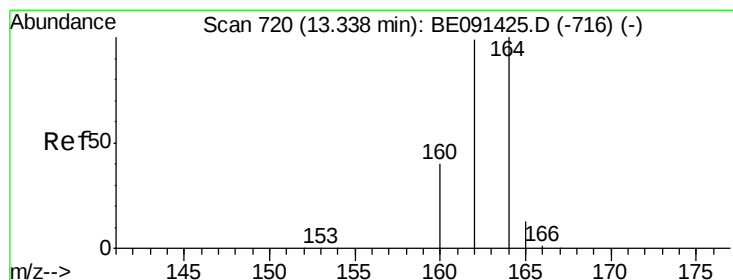
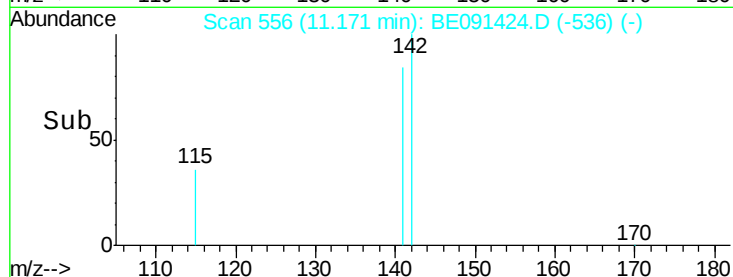
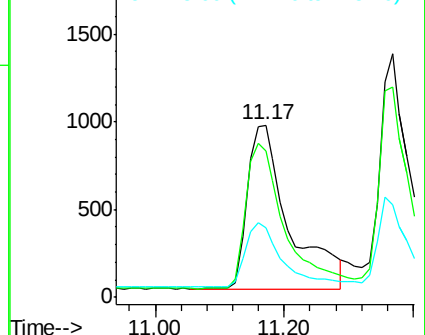
115 40.2 28.9 43.3



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: BE091424.D

Acq: 3 Mar 2016 16:00

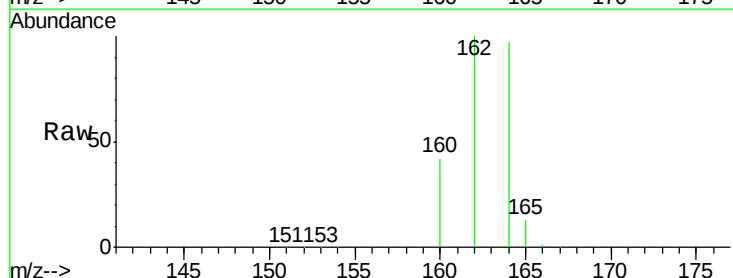
Tgt Ion:164 Resp: 87581

Ion Ratio Lower Upper

164 100

162 102.7 79.1 118.7

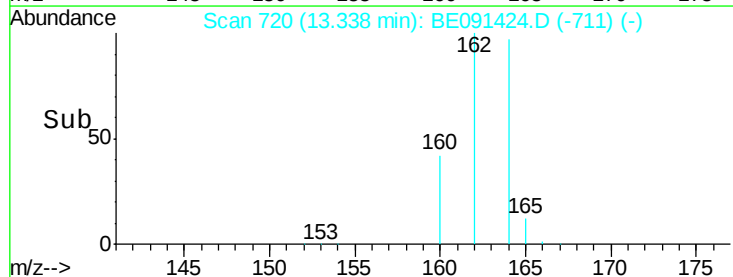
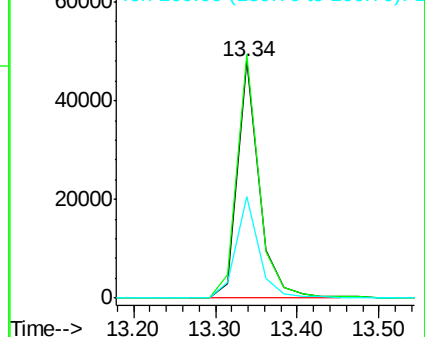
160 43.1 32.4 48.6

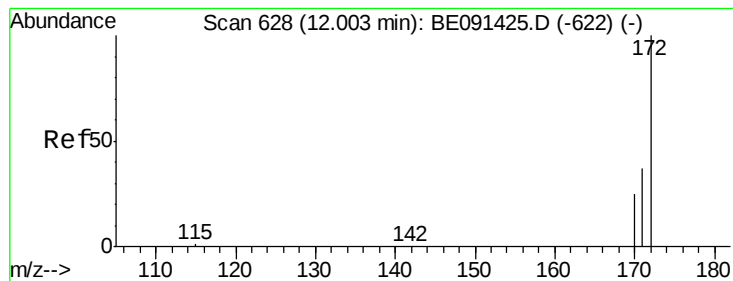


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#9

2-Fluorobiphenyl

Concen: 0.17 ng

RT: 12.01 min Scan# 629

Delta R.T. 0.01 min

Lab File: BE091424.D

Acq: 3 Mar 2016 16:00

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.2

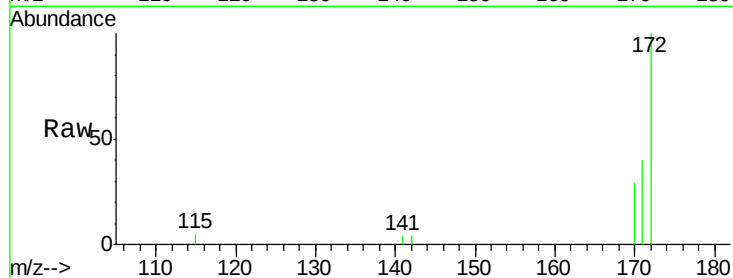
Tgt Ion:172 Resp: 3892

Ion Ratio Lower Upper

172 100

171 39.5 30.2 45.4

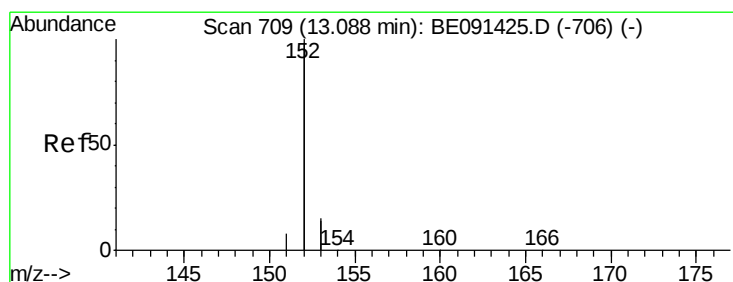
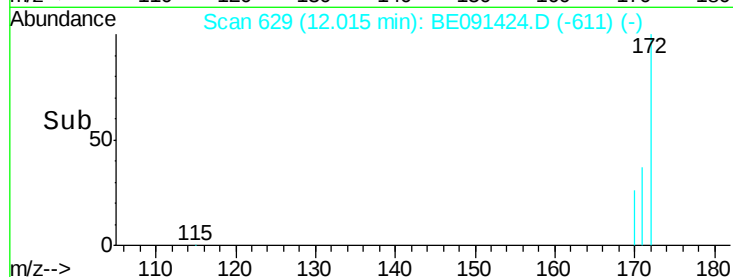
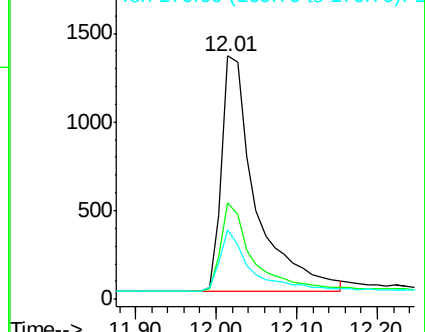
170 28.7 20.9 31.3



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: 0.22 ng

RT: 13.09 min Scan# 709

Delta R.T. 0.00 min

Lab File: BE091424.D

Acq: 3 Mar 2016 16:00

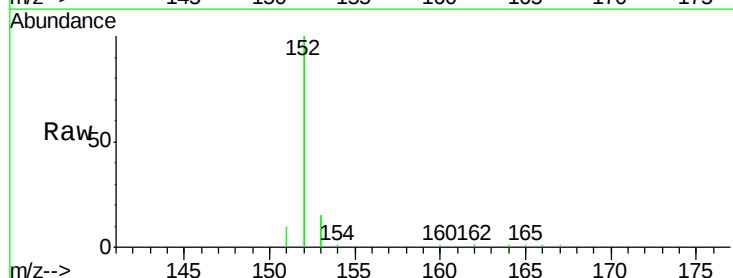
Tgt Ion:152 Resp: 25811

Ion Ratio Lower Upper

152 100

151 4.8 3.9 5.9

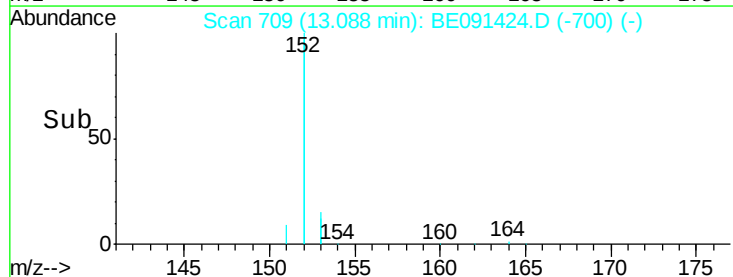
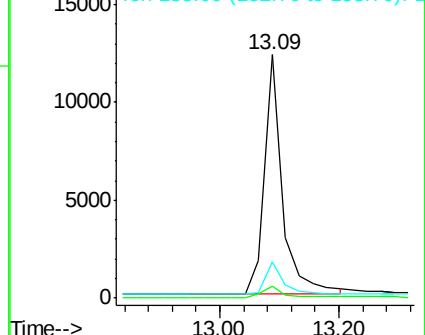
153 13.4 10.5 15.7

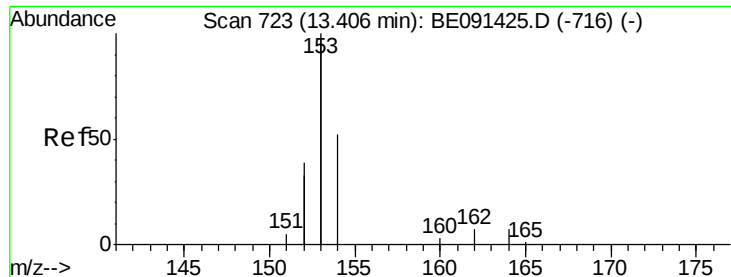


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#11

Acenaphthene

Concen: 0.23 ng

RT: 13.41 min Scan# 723

Delta R.T. 0.00 min

Lab File: BE091424.D

Acq: 3 Mar 2016 16:00

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.2

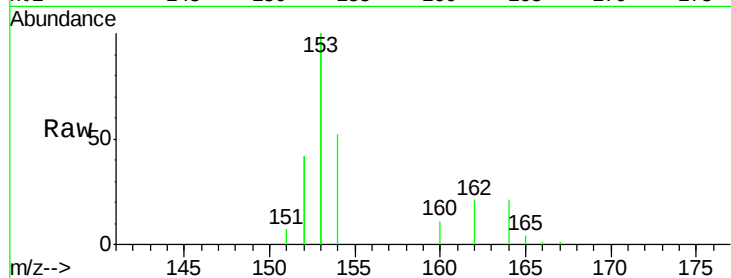
Tgt Ion:154 Resp: 5049

Ion Ratio Lower Upper

154 100

153 429.5 0.0 0.0#

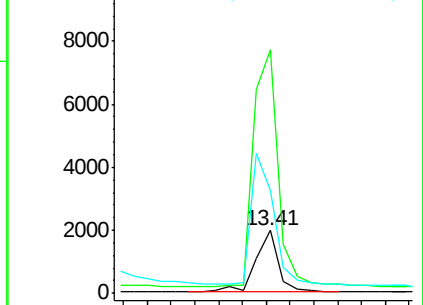
152 0.0 0.0 0.0



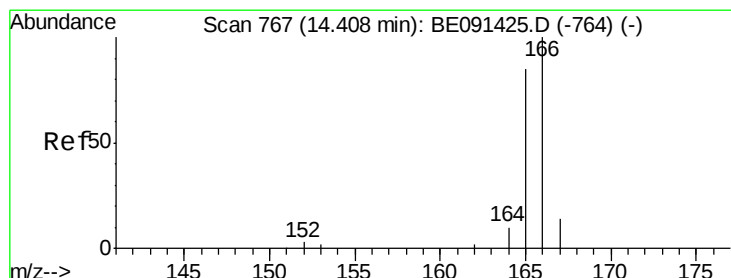
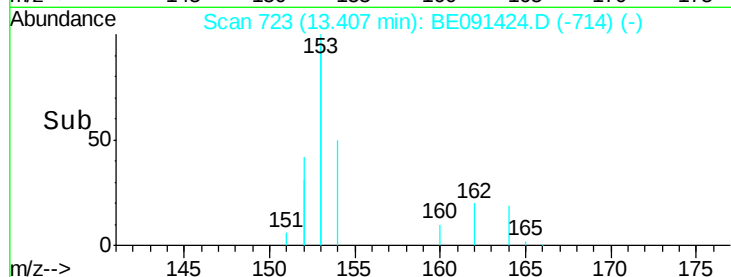
Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



Time-->



#12

Fluorene

Concen: 0.22 ng

RT: 14.41 min Scan# 767

Delta R.T. 0.00 min

Lab File: BE091424.D

Acq: 3 Mar 2016 16:00

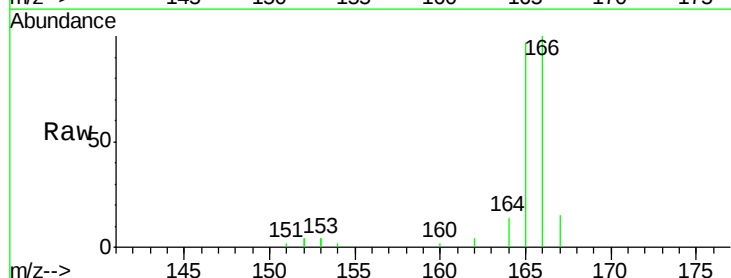
Tgt Ion:166 Resp: 6229

Ion Ratio Lower Upper

166 100

165 96.9 79.4 119.2

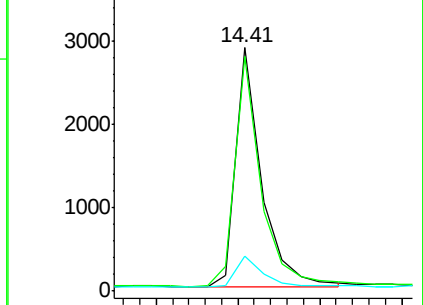
167 13.2 10.7 16.1



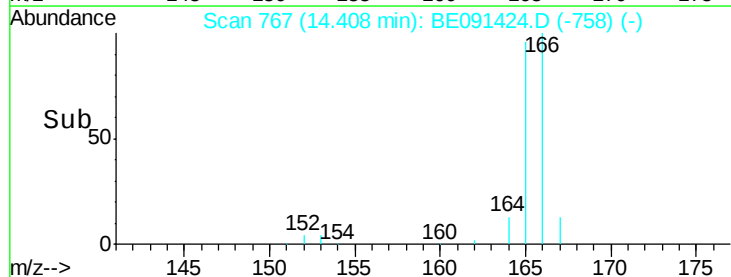
Abundance Ion 166.00 (165.70 to 166.70): E

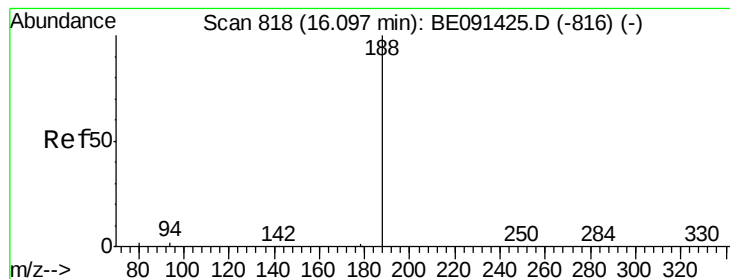
Ion 165.00 (164.70 to 165.70): E

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: BE091424.D

Acq: 3 Mar 2016 16:00

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.2

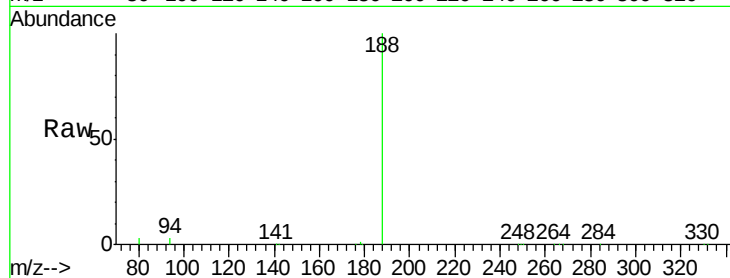
Tgt Ion:188 Resp: 152856

Ion Ratio Lower Upper

188 100

94 3.1 2.1 3.1#

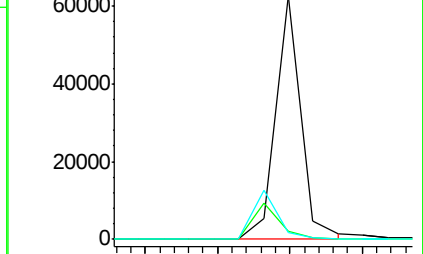
80 3.0 1.9 2.9#



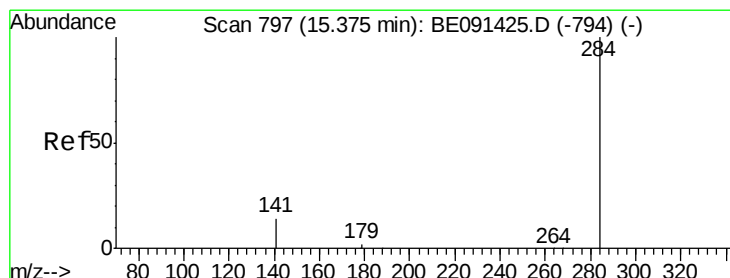
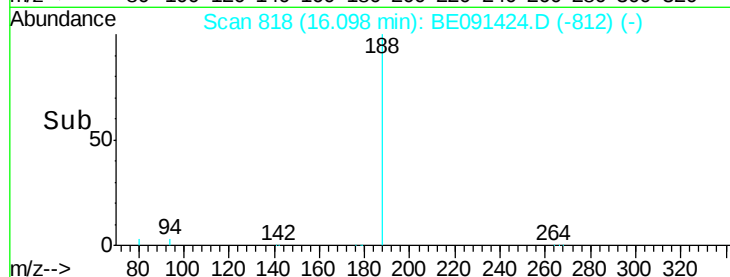
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



Time-->



#14

Hexachlorobenzene

Concen: 0.29 ng

RT: 15.38 min Scan# 797

Delta R.T. 0.00 min

Lab File: BE091424.D

Acq: 3 Mar 2016 16:00

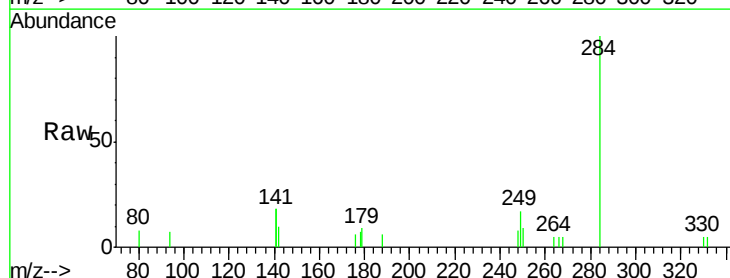
Tgt Ion:284 Resp: 2005

Ion Ratio Lower Upper

284 100

142 0.0 0.0 0.0

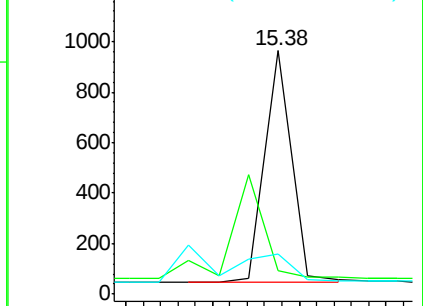
249 0.0 0.0 0.0



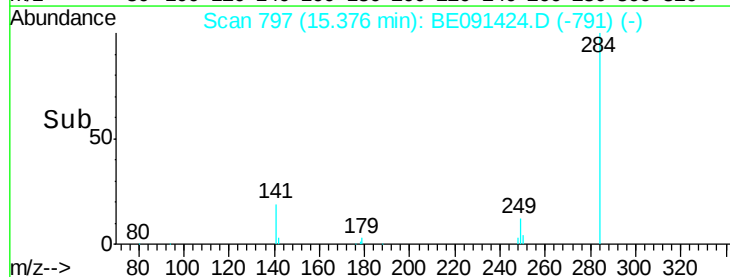
Abundance Ion 283.80 (283.50 to 284.50): E

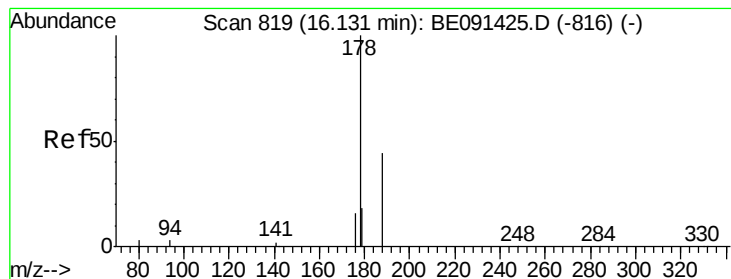
Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



Time-->





#16

Phenanthrene

Concen: 0.27 ng

RT: 16.13 min Scan# 819

Delta R.T. 0.00 min

Lab File: BE091424.D

Acq: 3 Mar 2016 16:00

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.2

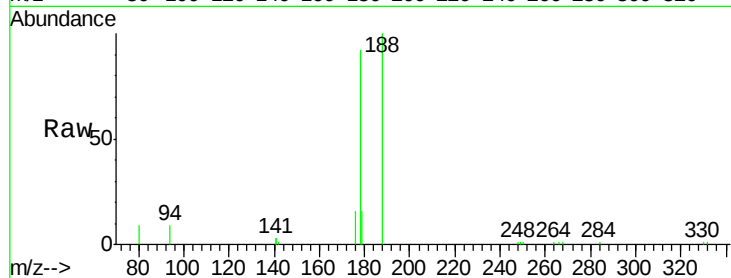
Tgt Ion:178 Resp: 10333

Ion Ratio Lower Upper

178 100

176 17.6 13.8 20.8

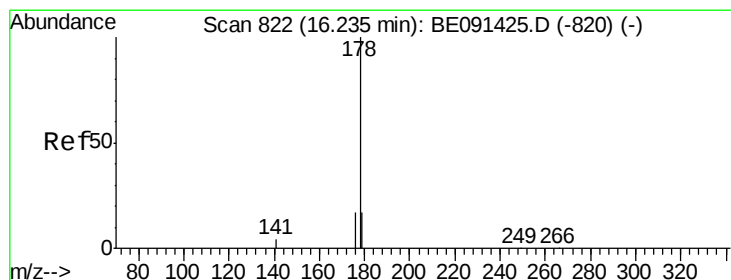
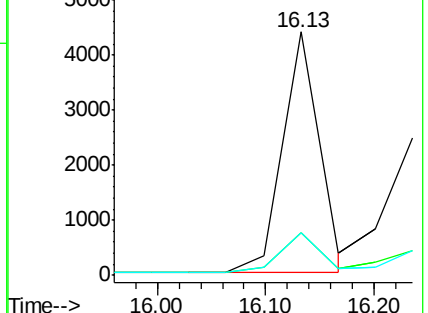
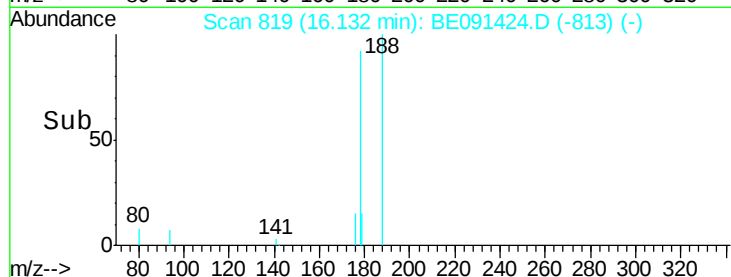
179 17.2 14.2 21.4



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: 0.15 ng

RT: 16.24 min Scan# 822

Delta R.T. 0.00 min

Lab File: BE091424.D

Acq: 3 Mar 2016 16:00

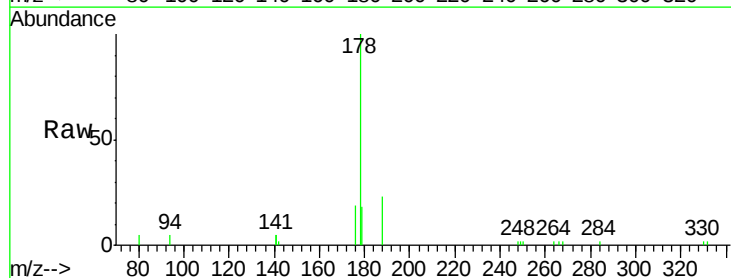
Tgt Ion:178 Resp: 5191

Ion Ratio Lower Upper

178 100

176 0.0 23.5 35.3#

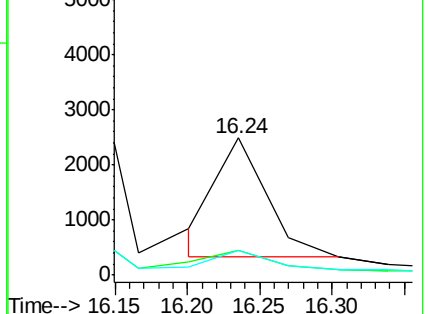
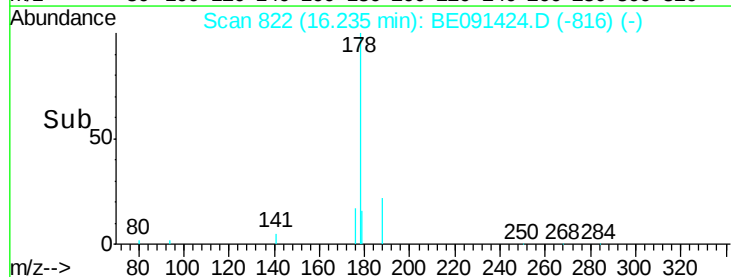
179 16.4 14.3 21.5

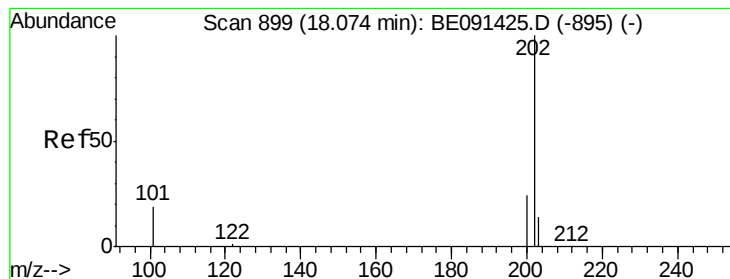


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#18

Fluoranthene

Concen: 0.30 ng

RT: 18.09 min Scan# 900

Delta R.T. 0.02 min

Lab File: BE091424.D

Acq: 3 Mar 2016 16:00

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.2

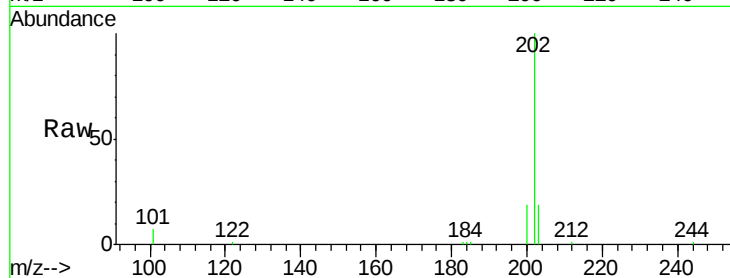
Tgt Ion:202 Resp: 11782

Ion Ratio Lower Upper

202 100

101 12.2 11.0 16.4

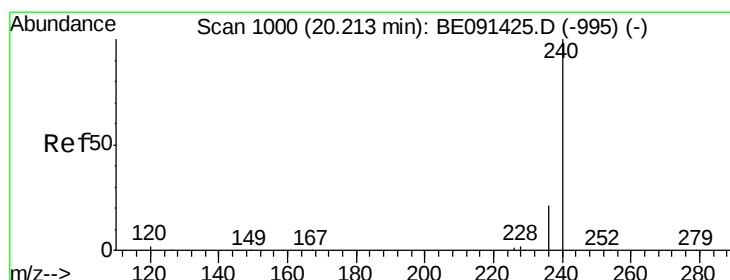
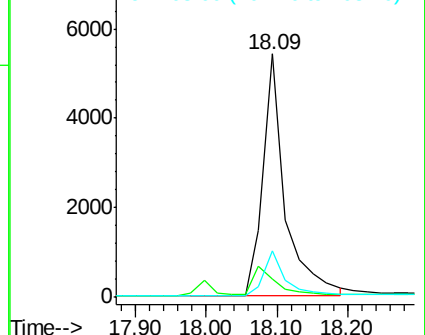
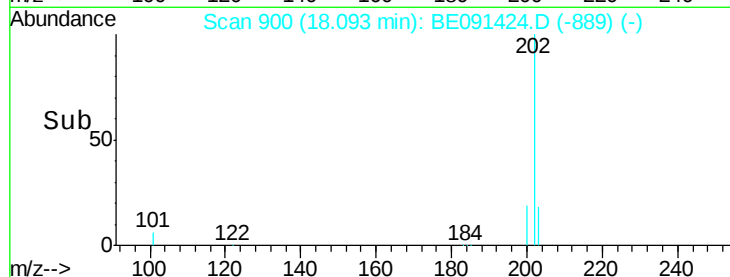
203 17.5 13.7 20.5



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: BE091424.D

Acq: 3 Mar 2016 16:00

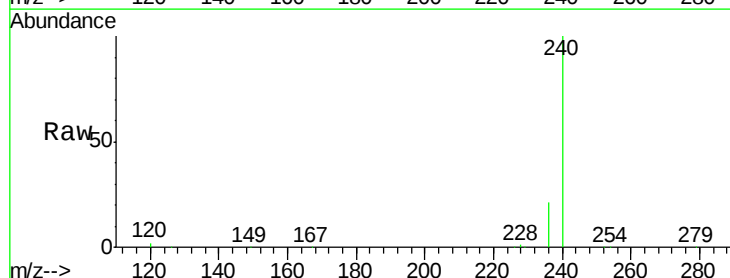
Tgt Ion:240 Resp: 225275

Ion Ratio Lower Upper

240 100

120 1.9 1.4 2.0

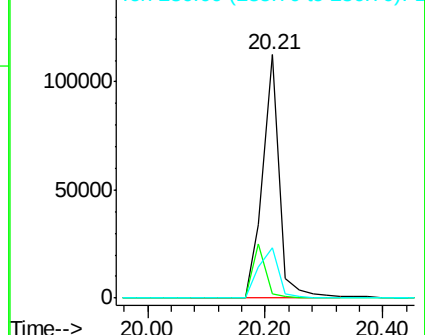
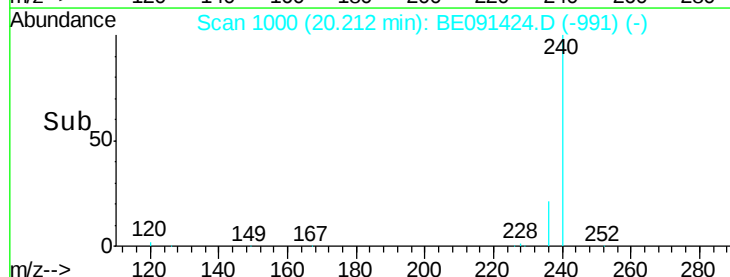
236 20.9 16.7 25.1

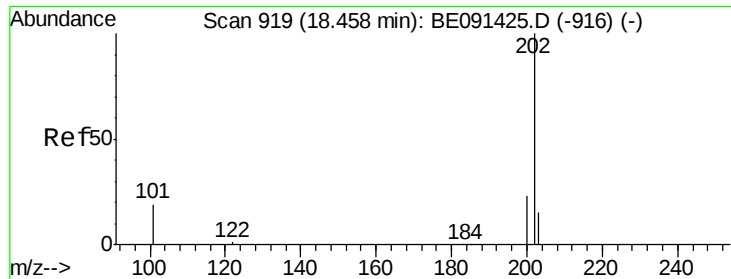


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

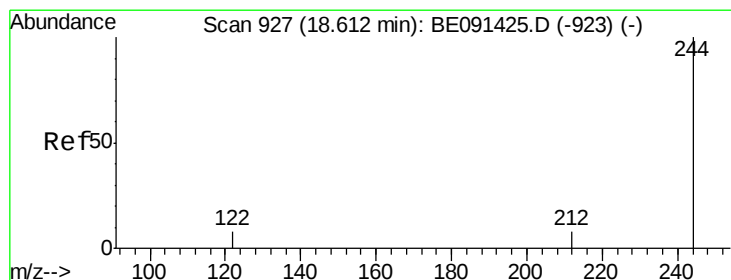
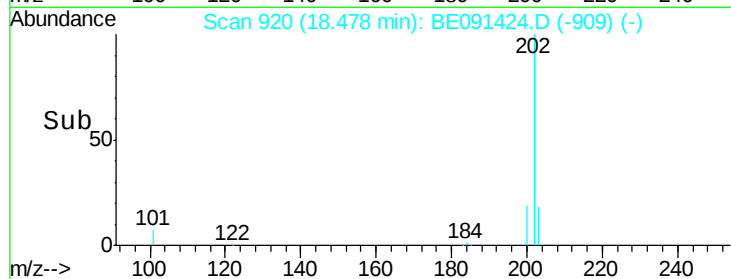
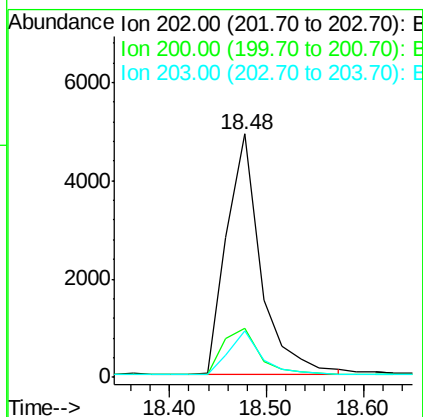
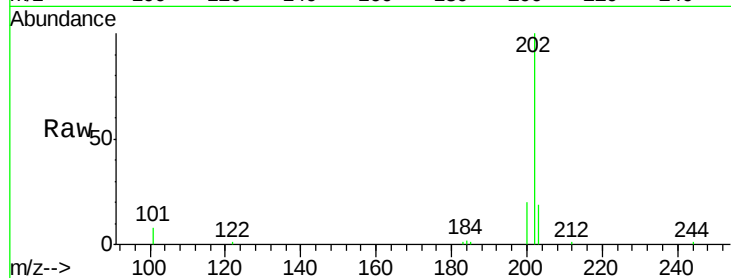




#20
Pyrene
Concen: 0.23 ng
RT: 18.48 min Scan# 920
Delta R.T. 0.02 min
Lab File: BE091424.D
Acq: 3 Mar 2016 16:00

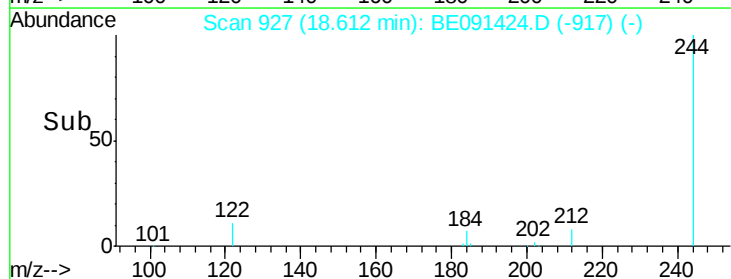
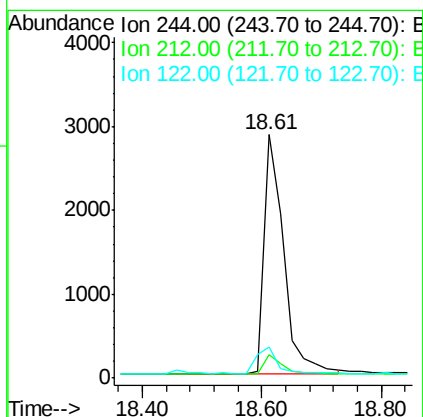
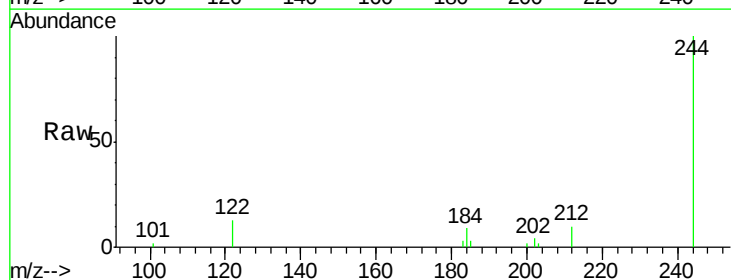
Instrument :
BNA_E
ClientSampleId :
SSTDIC0.2

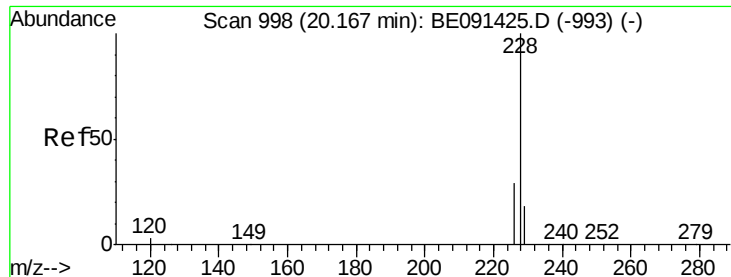
Tgt Ion:202 Resp: 11872
Ion Ratio Lower Upper
202 100
200 21.2 16.5 24.7
203 17.3 13.8 20.6



#21
Terphenyl-d14
Concen: 0.19 ng
RT: 18.61 min Scan# 927
Delta R.T. 0.00 min
Lab File: BE091424.D
Acq: 3 Mar 2016 16:00

Tgt Ion:244 Resp: 6508
Ion Ratio Lower Upper
244 100
212 9.9 7.0 10.6
122 12.8 6.8 10.2#

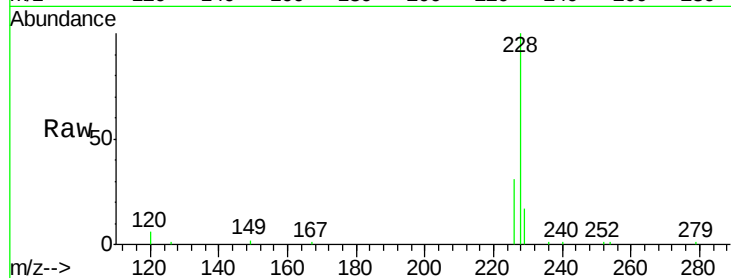




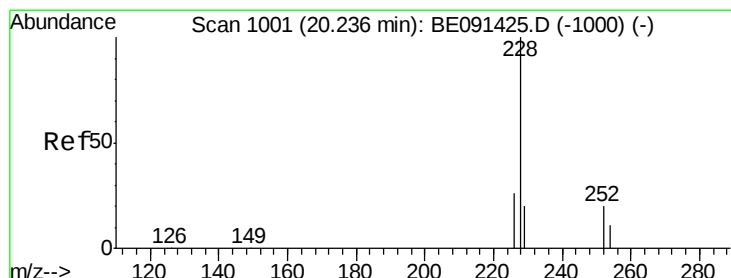
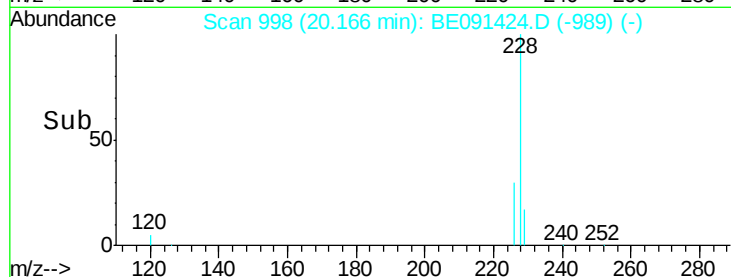
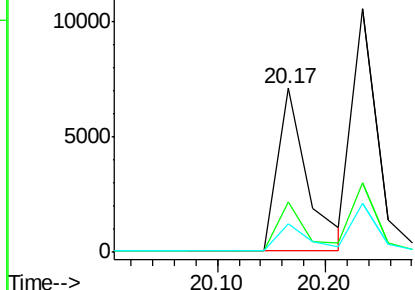
#22
Benzo(a)anthracene
Concen: 0.30 ng
RT: 20.17 min Scan# 998
Delta R.T. -0.00 min
Lab File: BE091424.D
Acq: 3 Mar 2016 16:00

Instrument :
BNA_E
ClientSampled :
SSTDIC0.2

Tgt Ion:228 Resp: 13719
Ion Ratio Lower Upper
228 100
226 30.5 23.1 34.7
229 17.3 14.5 21.7

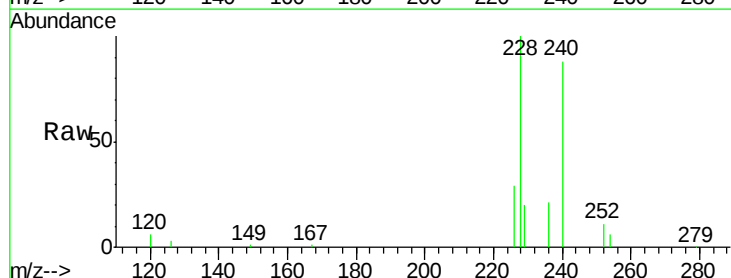


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

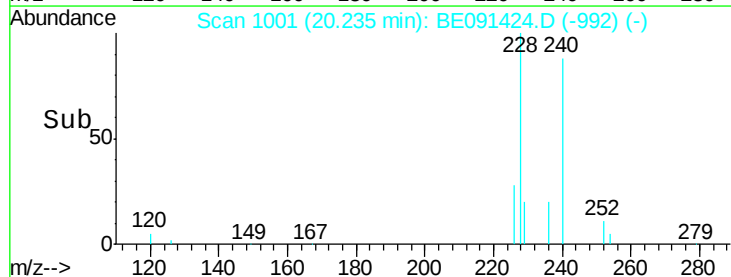
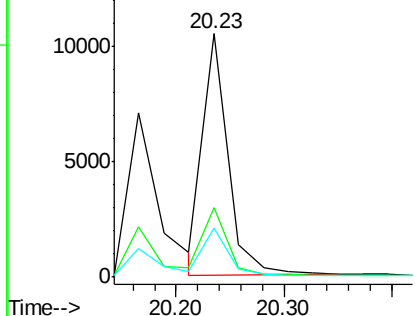


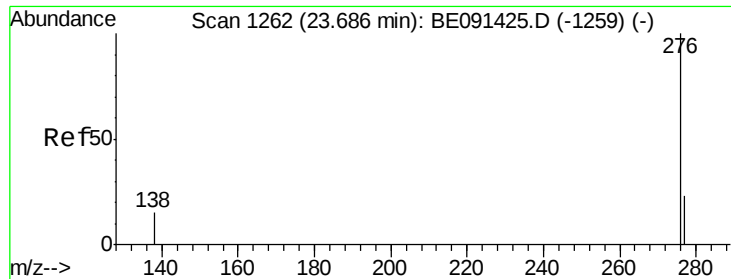
#23
Chrysene
Concen: 0.27 ng
RT: 20.23 min Scan# 1001
Delta R.T. -0.00 min
Lab File: BE091424.D
Acq: 3 Mar 2016 16:00

Tgt Ion:228 Resp: 16866
Ion Ratio Lower Upper
228 100
226 28.6 22.0 33.0
229 20.1 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: 0.32 ng

RT: 23.68 min Scan# 1262

Delta R.T. -0.00 min

Lab File: BE091424.D

Acq: 3 Mar 2016 16:00

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.2

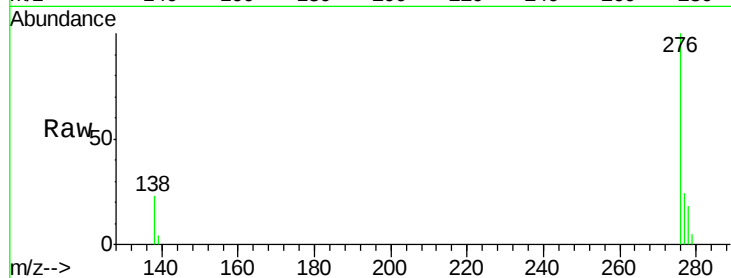
Tgt Ion:276 Resp: 14509

Ion Ratio Lower Upper

276 100

138 26.8 15.9 23.9#

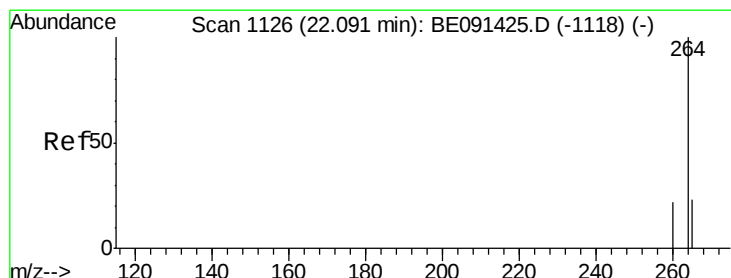
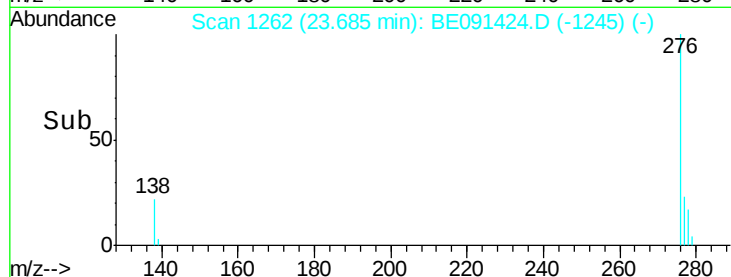
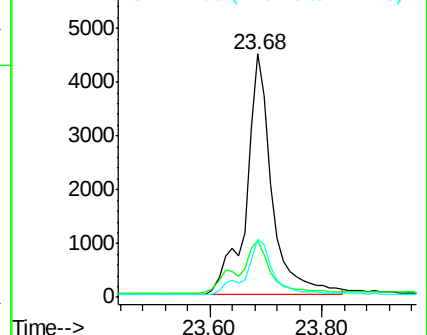
277 24.8 22.4 33.6



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: BE091424.D

Acq: 3 Mar 2016 16:00

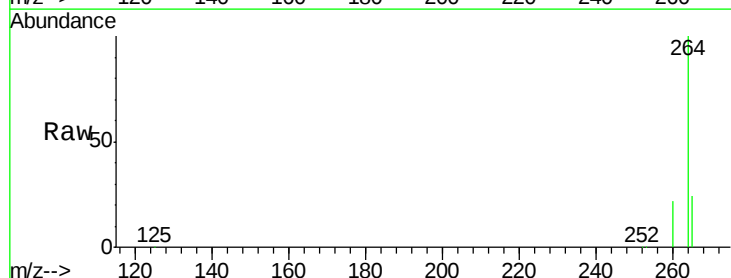
Tgt Ion:264 Resp: 269950

Ion Ratio Lower Upper

264 100

260 22.2 18.0 27.0

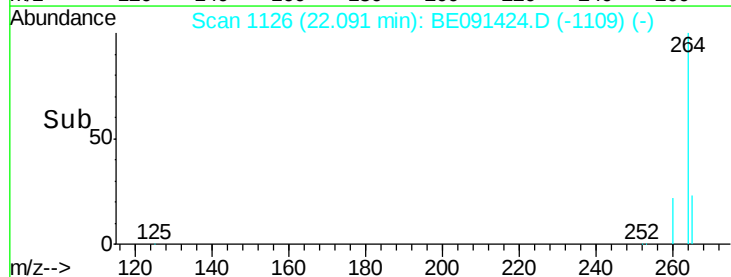
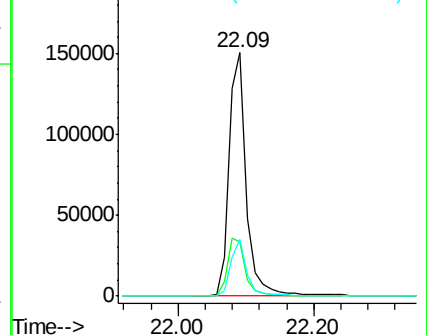
265 23.6 18.2 27.4

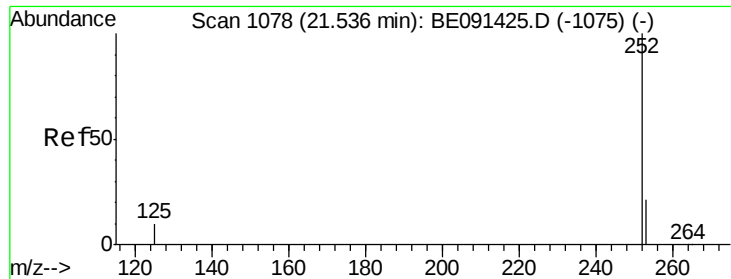


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

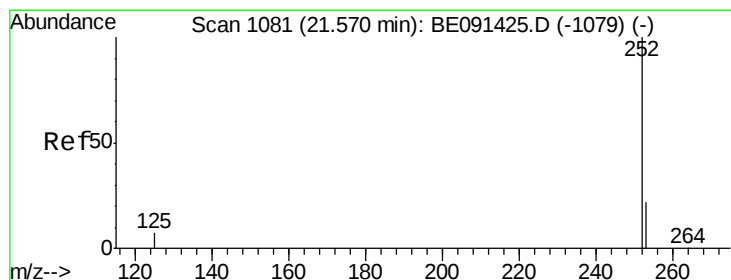
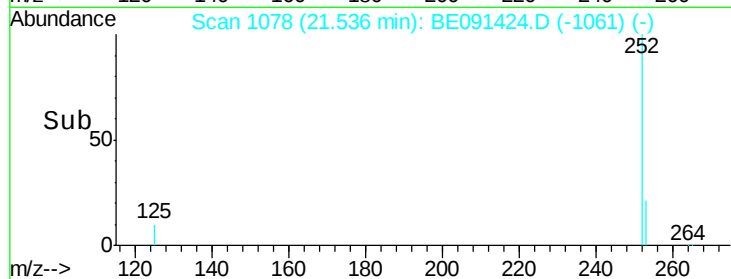
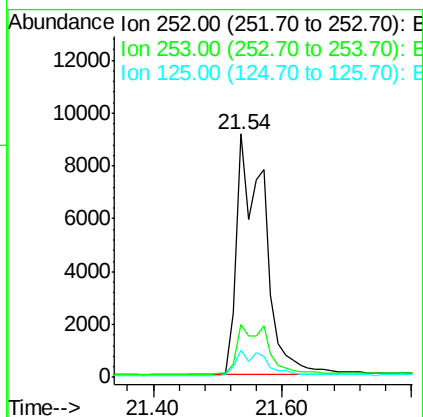
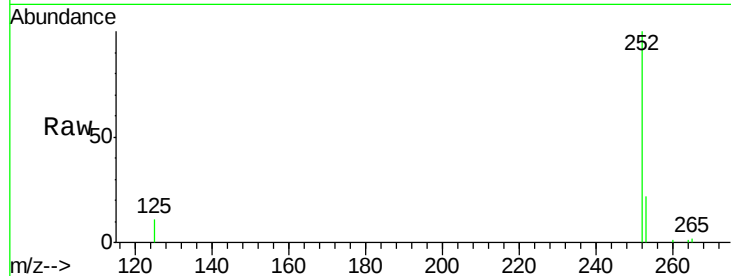




#26
Benzo(b)fluoranthene
Concen: 0.49 ng
RT: 21.54 min Scan# 1078
Delta R.T. 0.00 min
Lab File: BE091424.D
Acq: 3 Mar 2016 16:00

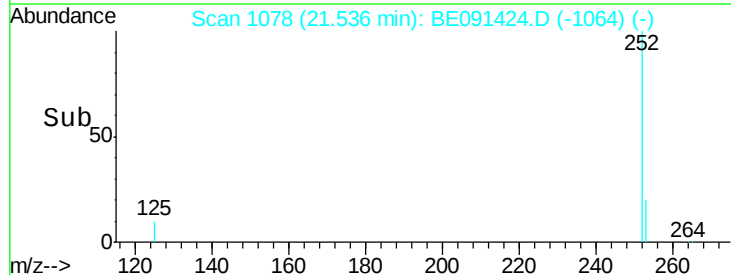
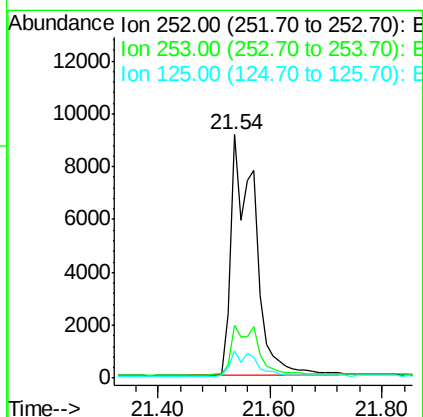
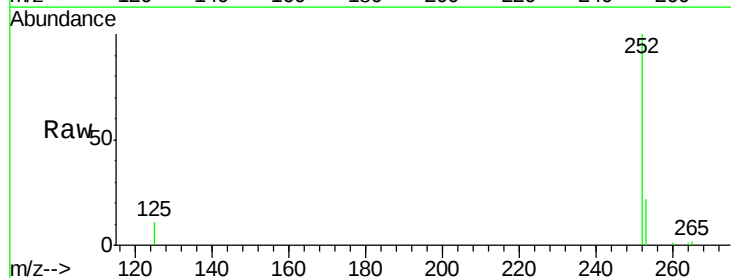
Instrument :
BNA_E
ClientSampleId :
SSTDIC0.2

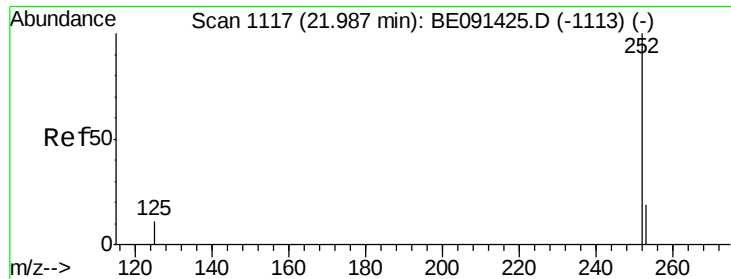
Tgt Ion: 252 Resp: 27410
Ion Ratio Lower Upper
252 100
253 21.7 17.0 25.4
125 11.0 8.3 12.5



#27
Benzo(k)fluoranthene
Concen: 0.42 ng
RT: 21.54 min Scan# 1078
Delta R.T. -0.03 min
Lab File: BE091424.D
Acq: 3 Mar 2016 16:00

Tgt Ion: 252 Resp: 27639
Ion Ratio Lower Upper
252 100
253 21.7 19.5 29.3
125 11.0 7.3 10.9#





#28

Benzo(a)pyrene

Concen: 0.24 ng

RT: 21.99 min Scan# 1117

Delta R.T. 0.00 min

Lab File: BE091424.D

Acq: 3 Mar 2016 16:00

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.2

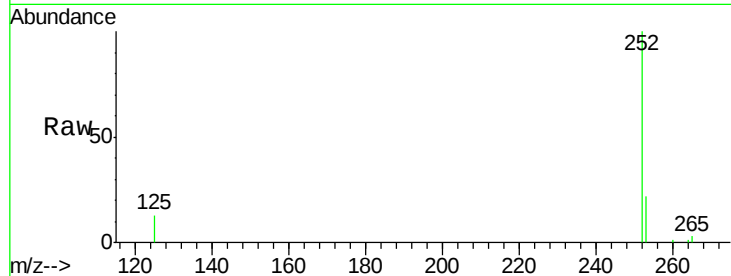
Tgt Ion:252 Resp: 12152

Ion Ratio Lower Upper

252 100

253 21.7 16.2 24.4

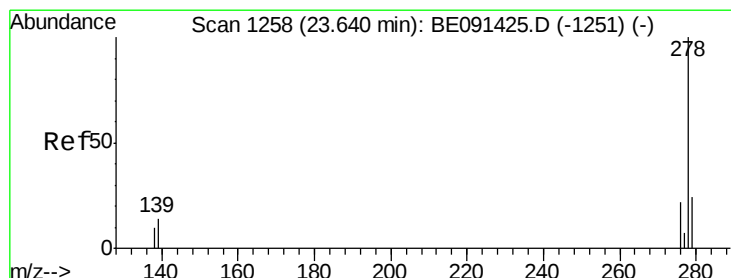
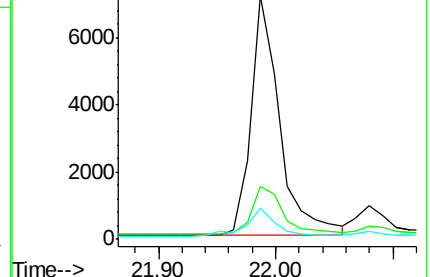
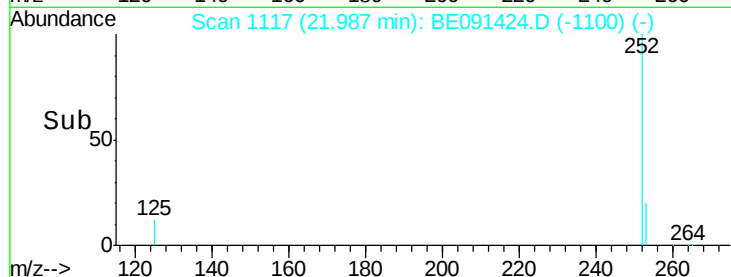
125 12.5 9.6 14.4



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: 0.27 ng

RT: 23.64 min Scan# 1258

Delta R.T. -0.00 min

Lab File: BE091424.D

Acq: 3 Mar 2016 16:00

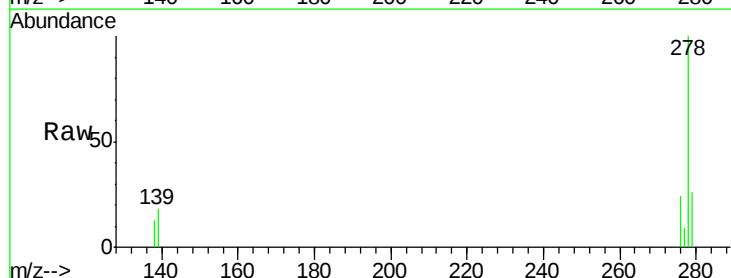
Tgt Ion:278 Resp: 11434

Ion Ratio Lower Upper

278 100

139 17.7 12.1 18.1

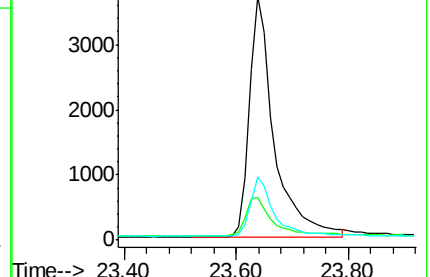
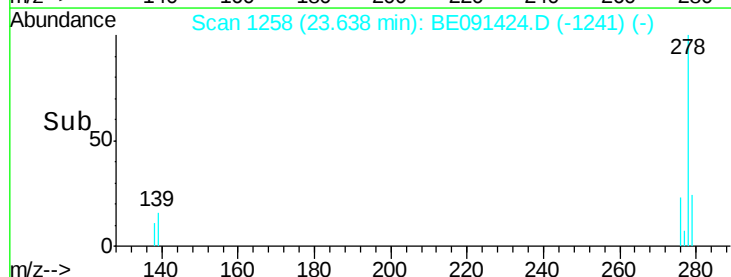
279 25.7 19.4 29.0

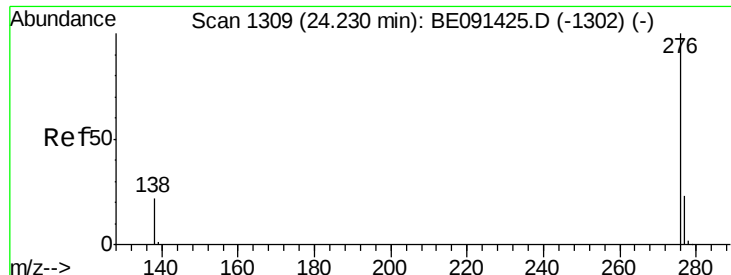


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.23 ng

RT: 24.24 min Scan# 1310

Delta R.T. 0.01 min

Lab File: BE091424.D

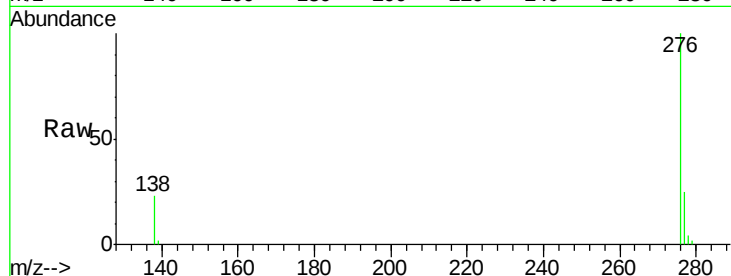
Acq: 3 Mar 2016 16:00

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.2



Tgt Ion: 276 Resp: 12703

Ion Ratio Lower Upper

276 100

277 24.8 19.0 28.6

138 22.9 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

