

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

Instrument :
 BNA_E
 ClientSampleId :
 DFTPP

Quant Time: Mar 04 07:50:20 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-BE030316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 04 06:35:39 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	29473	5.00	ng	0.00
4) Naphthalene-d8	9.53	136	138950	5.00	ng	0.00
8) Acenaphthene-d10	13.34	164	86238	5.00	ng	0.00
13) Phenanthrene-d10	16.10	188	139238	5.00	ng	0.00
19) Chrysene-d12	20.21	240	225123	5.00	ng	0.00
25) Perylene-d12	22.09	264	259119	5.00	ng	0.00

System Monitoring Compounds						
5) Nitrobenzene-d5	8.18	82	2727	0.41	ng	0.00
9) 2-Fluorobiphenyl	12.01	172	8564	0.41	ng	0.01
21) Terphenyl-d14	18.61	244	14587	0.43	ng	0.00

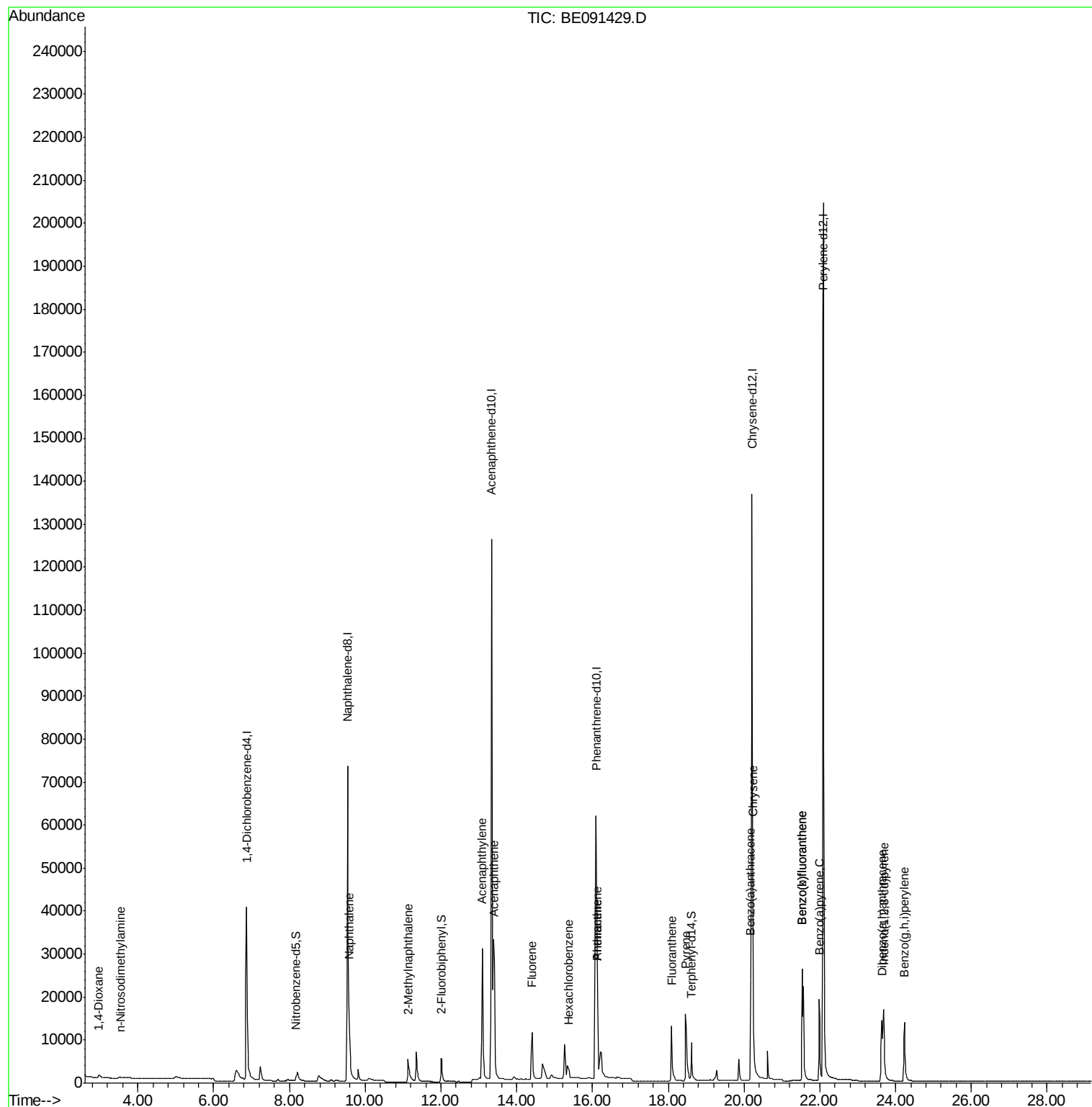
Target Compounds				Qvalue		
2) 1,4-Dioxane	2.97	88	1025	0.39	ng	91
3) n-Nitrosodimethylamine	3.54	42	1022	0.45	ng	# 88
6) Naphthalene	9.57	128	13203	0.41	ng	99
7) 2-Methylnaphthalene	11.14	142	9647	0.51	ng	97
10) Acenaphthylene	13.09	152	55293	0.38	ng	99
11) Acenaphthene	13.41	154	10449	0.40	ng	# 100
12) Fluorene	14.41	166	12567	0.38	ng	99
14) Hexachlorobenzene	15.38	284	3376	0.41	ng	# 100
15) Pentachlorophenol	15.93	266	116	Below Cal		98
16) Phenanthrene	16.13	178	22558	0.46	ng	99
17) Anthracene	16.13	178	35646	0.49	ng	# 79
18) Fluoranthene	18.09	202	24109	0.37	ng	99
20) Pyrene	18.46	202	25906	0.40	ng	99
22) Benzo(a)anthracene	20.17	228	29047	0.38	ng	100
23) Chrysene	20.24	228	35403	0.42	ng	98
24) Indeno(1,2,3-cd)pyrene	23.69	276	31366	0.46	ng	# 90
26) Benzo(b)fluoranthene	21.54	252	58587	0.81	ng	99
27) Benzo(k)fluoranthene	21.54	252	58995	0.84	ng	95
28) Benzo(a)pyrene	21.99	252	24739	0.40	ng	99
29) Dibenzo(a,h)anthracene	23.64	278	24381	0.41	ng	99
30) Benzo(g,h,i)perylene	24.23	276	26907	0.42	ng	100

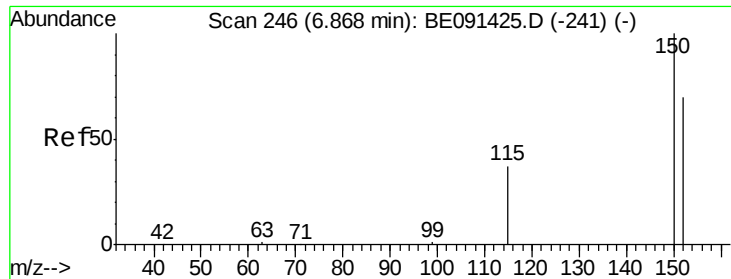
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 6.87 min Scan# 246

Delta R.T. 0.00 min

Lab File: BE091429.D

Acq: 3 Mar 2016 19:08

Instrument :

BNA_E

ClientSampleId :

DFTPP

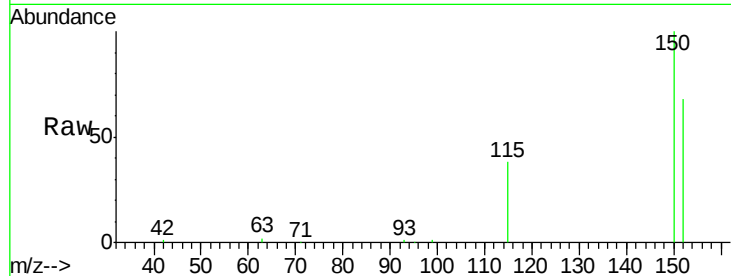
Tgt Ion:152 Resp: 29473

Ion Ratio Lower Upper

152 100

150 146.9 115.0 172.4

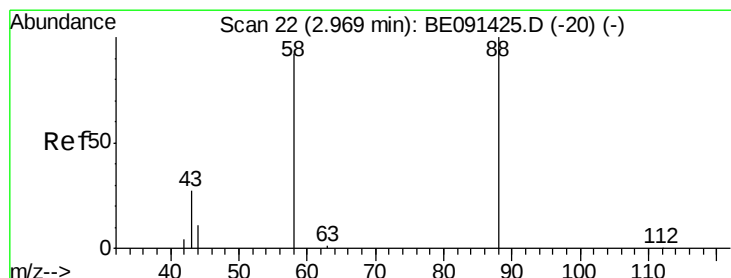
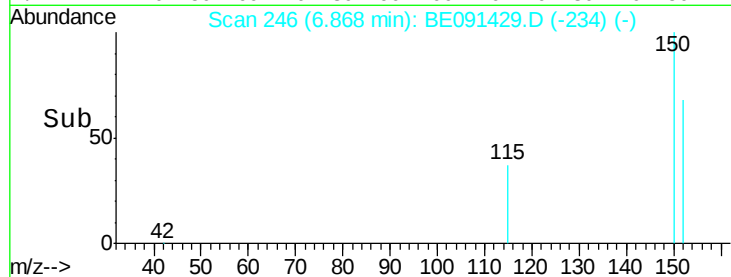
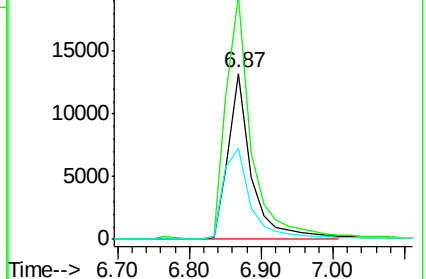
115 55.3 42.2 63.4



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 0.39 ng

RT: 2.97 min Scan# 22

Delta R.T. -0.00 min

Lab File: BE091429.D

Acq: 3 Mar 2016 19:08

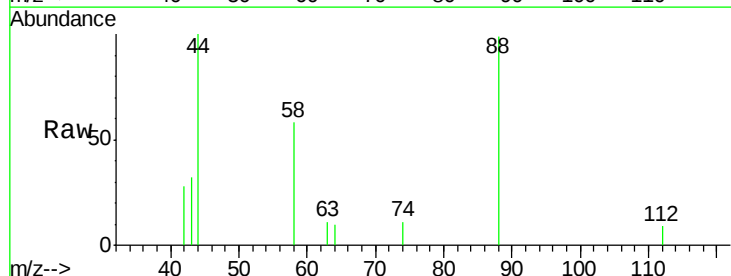
Tgt Ion: 88 Resp: 1025

Ion Ratio Lower Upper

88 100

58 109.9 97.9 146.9

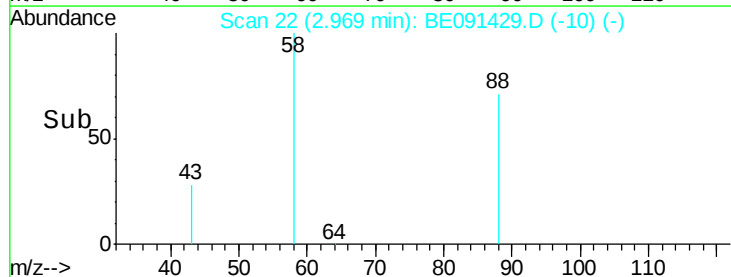
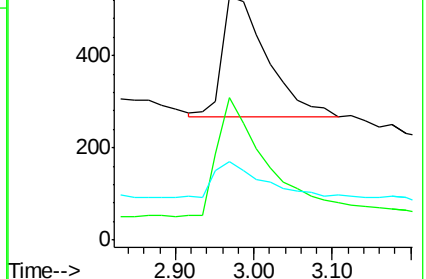
43 34.0 29.0 43.4

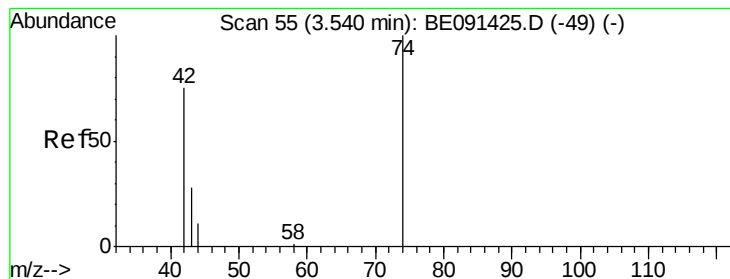


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.45 ng

RT: 3.54 min Scan# 55

Delta R.T. -0.00 min

Lab File: BE091429.D

Acq: 3 Mar 2016 19:08

Instrument :

BNA_E

ClientSampleId :

DFTPP

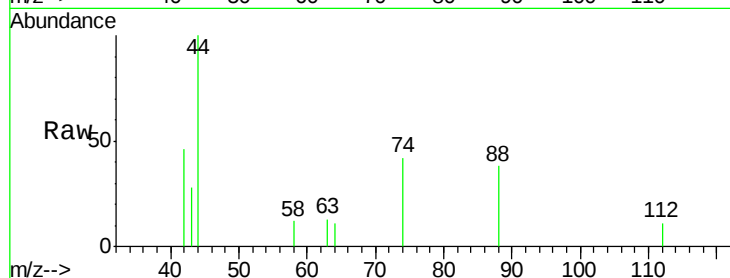
Tgt Ion: 42 Resp: 1022

Ion Ratio Lower Upper

42 100

74 129.8 93.8 140.6

44 3.1 0.0 0.0#



Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0

600

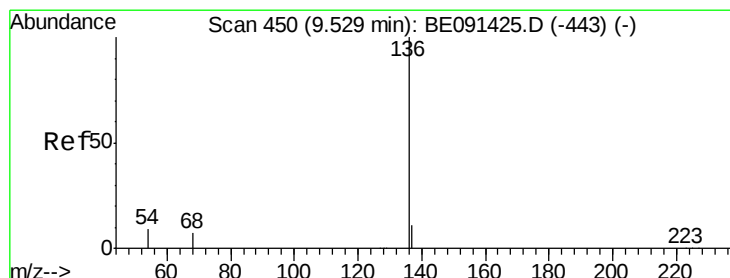
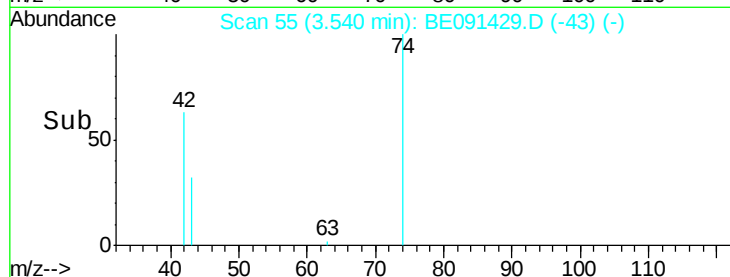
400

200

0

3.30 3.40 3.50 3.60 3.70

Time-->



#4

Naphthalene-d8

Concen: 5.00 ng

RT: 9.53 min Scan# 450

Delta R.T. -0.00 min

Lab File: BE091429.D

Acq: 3 Mar 2016 19:08

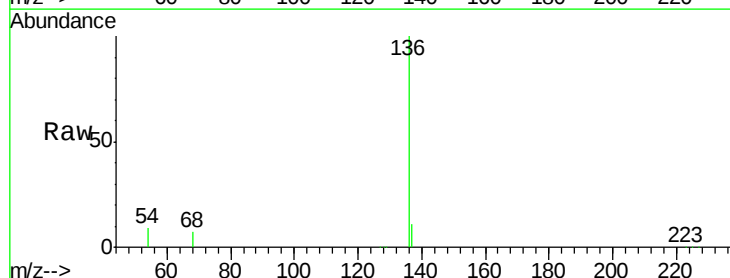
Tgt Ion: 136 Resp: 138950

Ion Ratio Lower Upper

136 100

137 10.9 8.7 13.1

54 9.1 6.9 10.3



Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

80000

60000

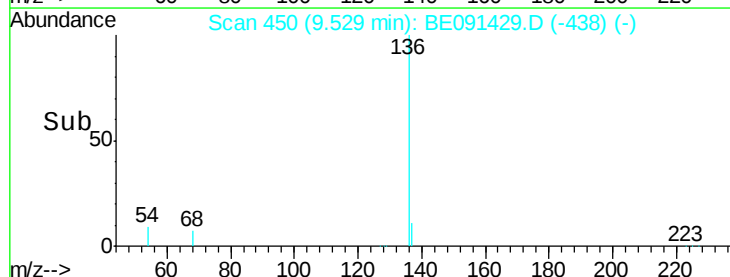
40000

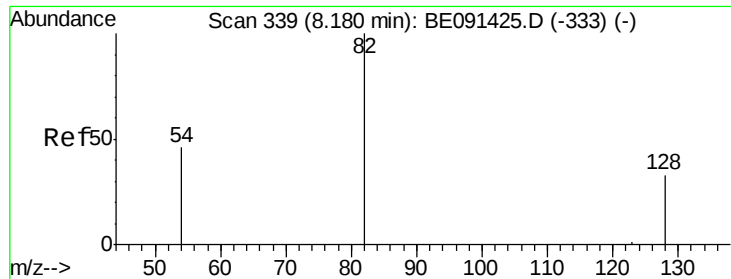
20000

0

9.30 9.40 9.50 9.60 9.70

Time-->





#5

Nitrobenzene-d5

Concen: 0.41 ng

RT: 8.18 min Scan# 339

Delta R.T. 0.00 min

Lab File: BE091429.D

Acq: 3 Mar 2016 19:08

Instrument :

BNA_E

ClientSampleId :

DFTPP

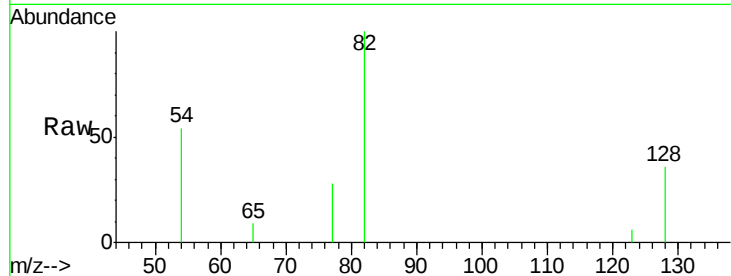
Tgt Ion: 82 Resp: 2727

Ion Ratio Lower Upper

82 100

128 35.8 30.0 45.0

54 53.8 41.5 62.3



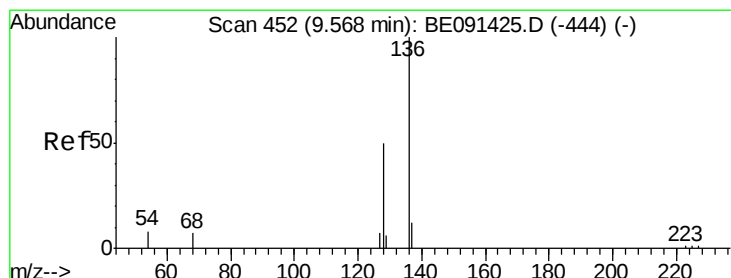
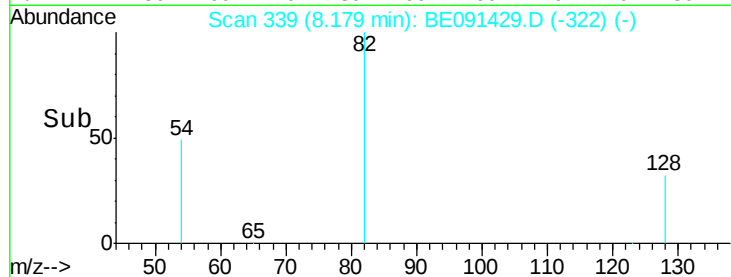
Abundance Ion 82.00 (81.70 to 82.70): BE091429.D (-333) (-)

Ion 128.00 (127.70 to 128.70): BE091429.D (-333) (-)

Ion 54.00 (53.70 to 54.70): BE091429.D (-333) (-)

8.18

Time-->



#6

Naphthalene

Concen: 0.41 ng

RT: 9.57 min Scan# 452

Delta R.T. -0.00 min

Lab File: BE091429.D

Acq: 3 Mar 2016 19:08

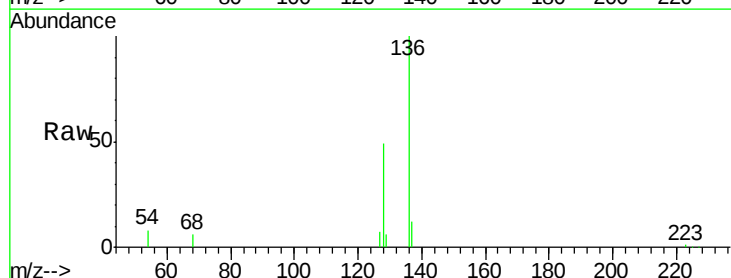
Tgt Ion: 128 Resp: 13203

Ion Ratio Lower Upper

128 100

129 11.4 9.5 14.3

127 14.2 11.4 17.0



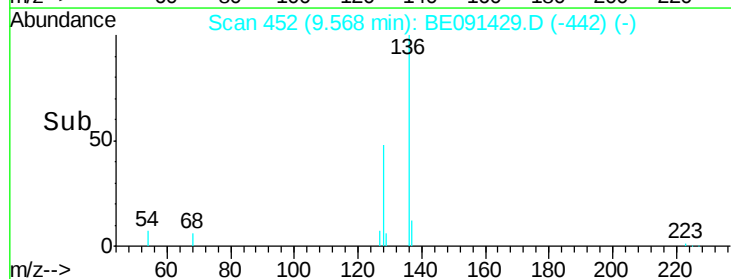
Abundance Ion 128.00 (127.70 to 128.70): BE091429.D (-442) (-)

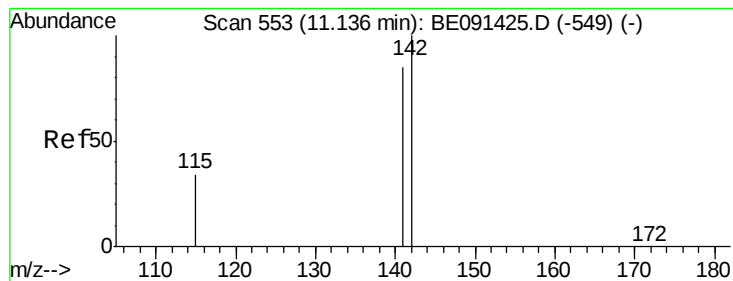
Ion 129.00 (128.70 to 129.70): BE091429.D (-442) (-)

Ion 127.00 (126.70 to 127.70): BE091429.D (-442) (-)

9.57

Time-->





#7

2-Methylnaphthalene

Concen: 0.51 ng

RT: 11.14 min Scan# 553

Delta R.T. -0.00 min

Lab File: BE091429.D

Acq: 3 Mar 2016 19:08

Instrument :

BNA_E

ClientSampleId :

DFTPP

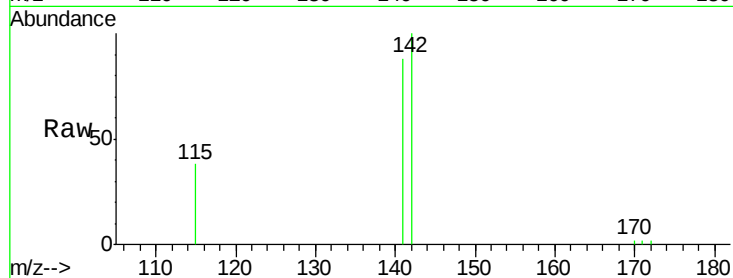
Tgt Ion:142 Resp: 9647

Ion Ratio Lower Upper

142 100

141 87.9 68.3 102.5

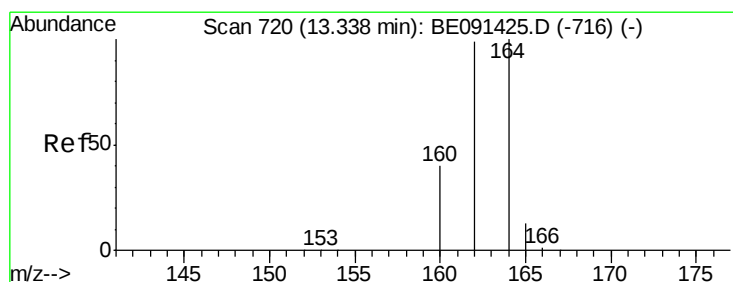
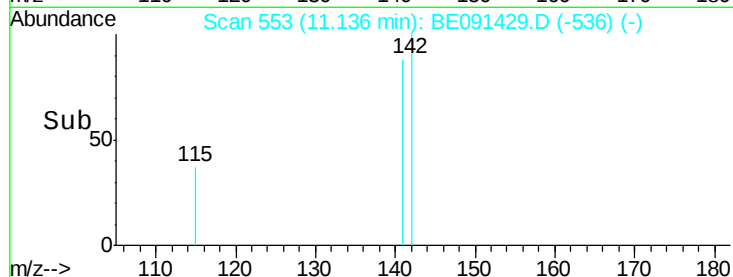
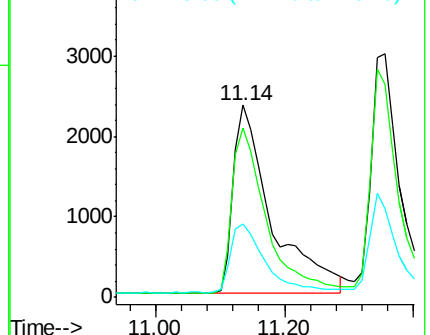
115 38.5 28.9 43.3



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#8

Acenaphthene-d10

Concen: 5.00 ng

RT: 13.34 min Scan# 720

Delta R.T. -0.00 min

Lab File: BE091429.D

Acq: 3 Mar 2016 19:08

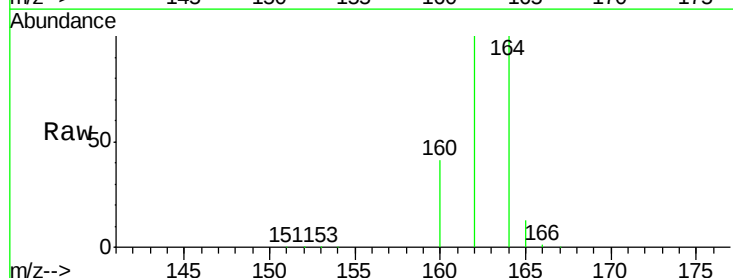
Tgt Ion:164 Resp: 86238

Ion Ratio Lower Upper

164 100

162 99.5 79.1 118.7

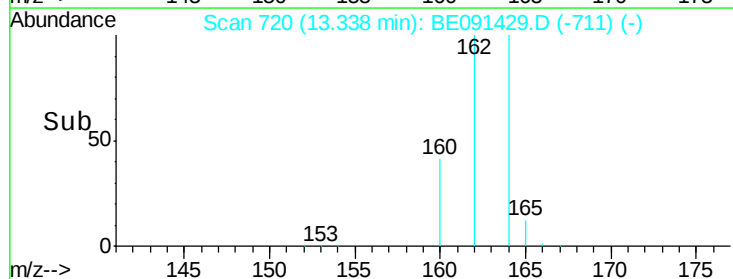
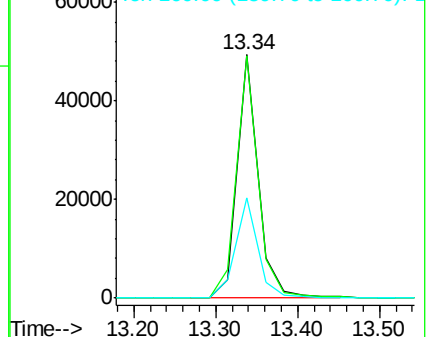
160 41.1 32.4 48.6

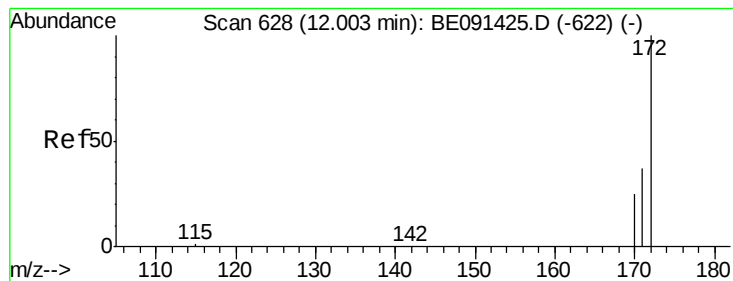


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#9

2-Fluorobiphenyl

Concen: 0.41 ng

RT: 12.01 min Scan# 629

Delta R.T. 0.01 min

Lab File: BE091429.D

Acq: 3 Mar 2016 19:08

Instrument :

BNA_E

ClientSampleId :

DFTPP

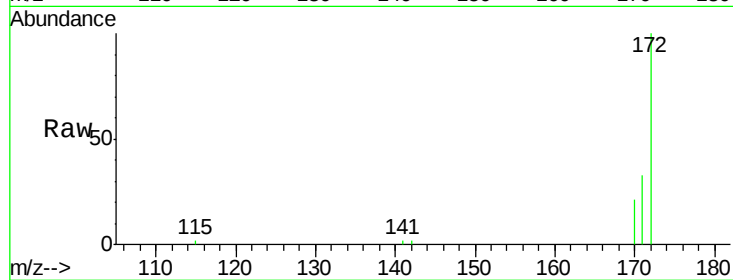
Tgt Ion:172 Resp: 8564

Ion Ratio Lower Upper

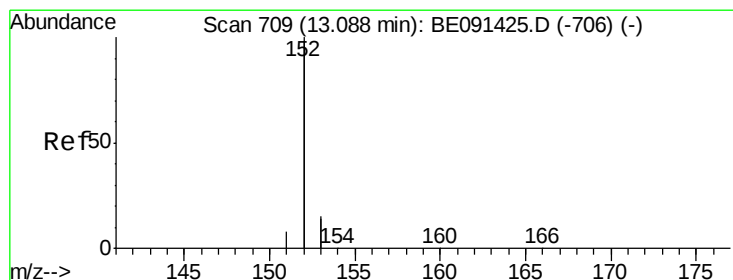
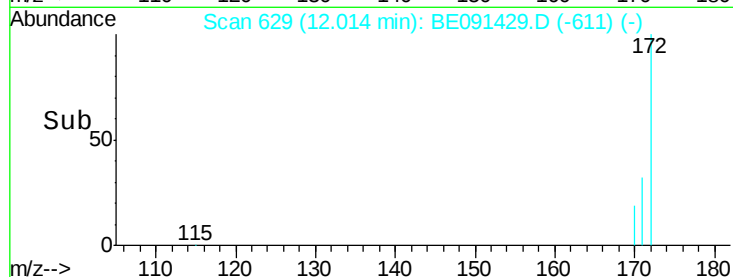
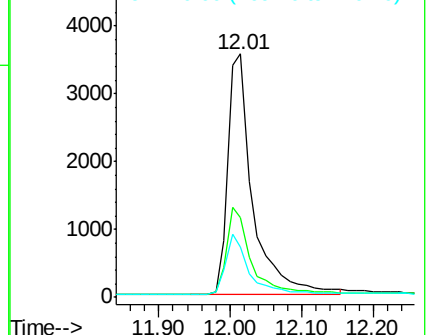
172 100

171 32.8 30.2 45.4

170 20.6 20.9 31.3#



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



#10

Acenaphthylene

Concen: 0.38 ng

RT: 13.09 min Scan# 709

Delta R.T. -0.00 min

Lab File: BE091429.D

Acq: 3 Mar 2016 19:08

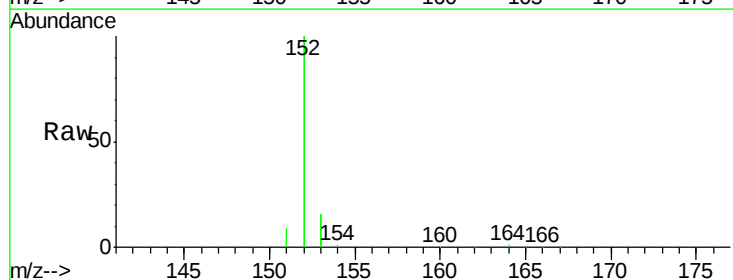
Tgt Ion:152 Resp: 55293

Ion Ratio Lower Upper

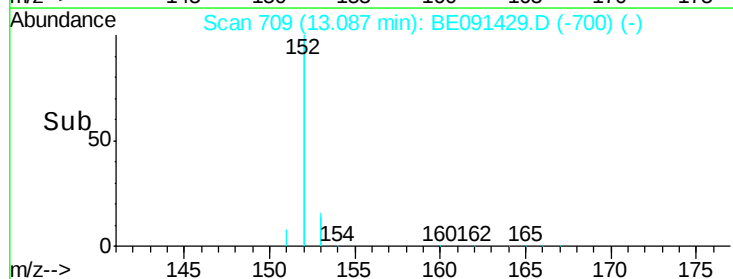
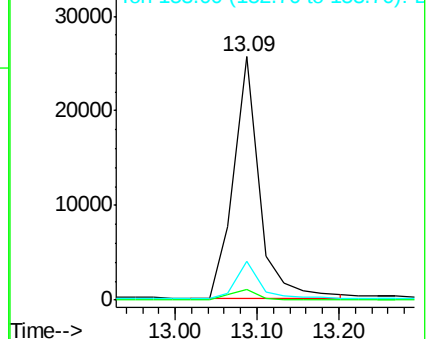
152 100

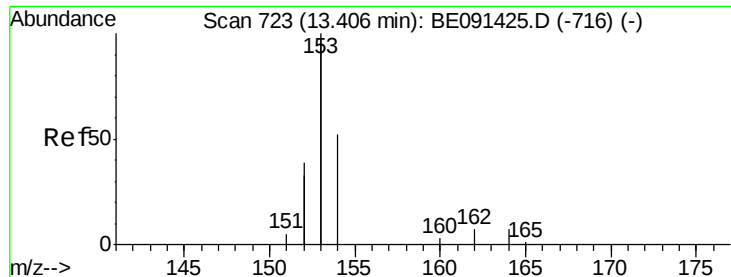
151 4.8 3.9 5.9

153 13.4 10.5 15.7



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





#11

Acenaphthene

Concen: 0.40 ng

RT: 13.41 min Scan# 723

Delta R.T. -0.00 min

Lab File: BE091429.D

Acq: 3 Mar 2016 19:08

Instrument :

BNA_E

ClientSampleId :

DFTPP

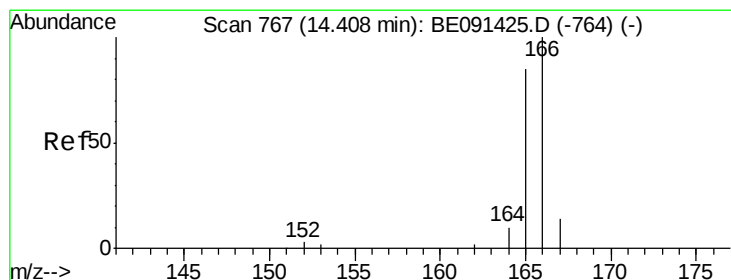
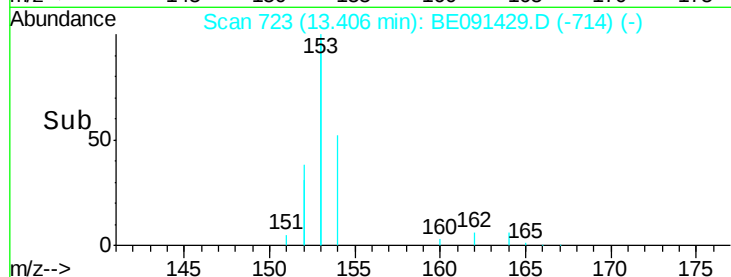
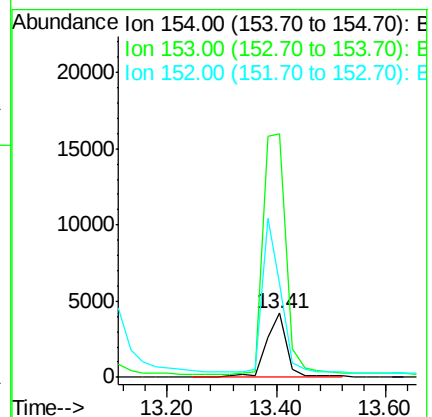
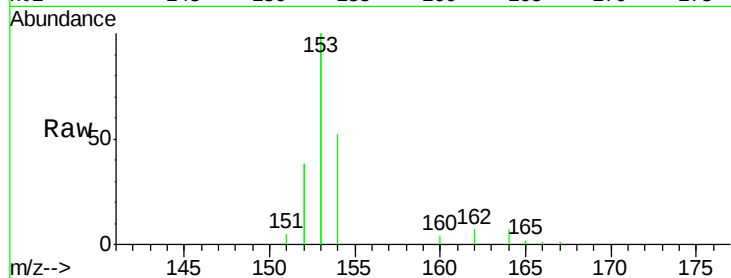
Tgt Ion:154 Resp: 10449

Ion Ratio Lower Upper

154 100

153 444.2 0.0 0.0#

152 0.0 0.0 0.0



#12

Fluorene

Concen: 0.38 ng

RT: 14.41 min Scan# 767

Delta R.T. -0.00 min

Lab File: BE091429.D

Acq: 3 Mar 2016 19:08

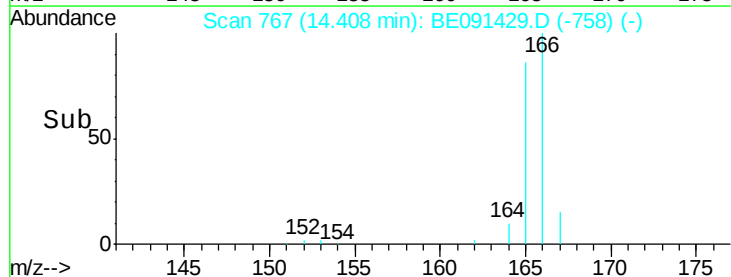
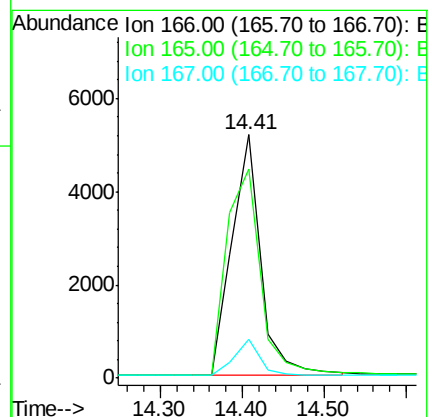
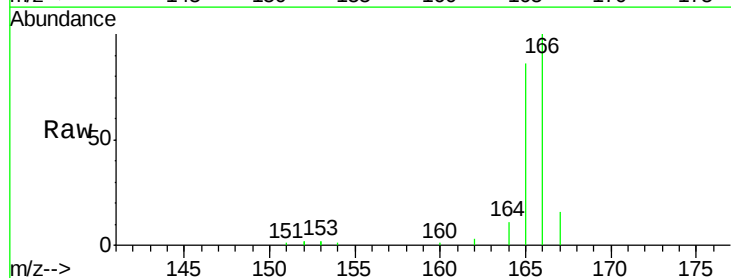
Tgt Ion:166 Resp: 12567

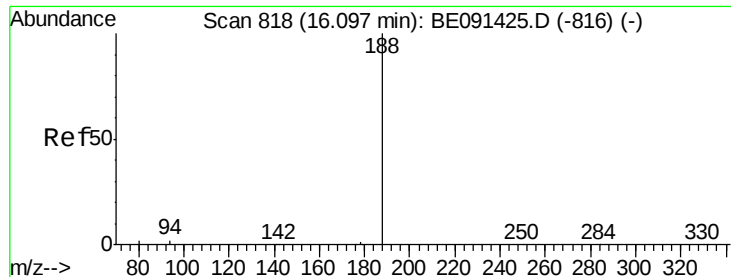
Ion Ratio Lower Upper

166 100

165 100.4 79.4 119.2

167 14.0 10.7 16.1

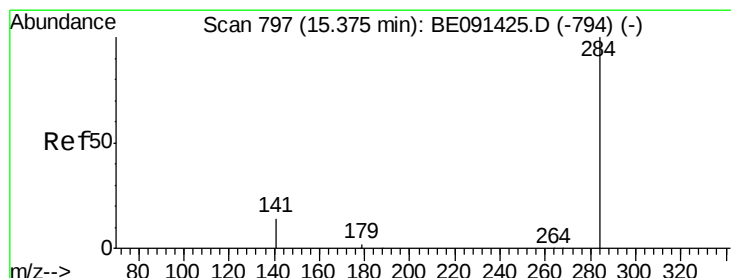
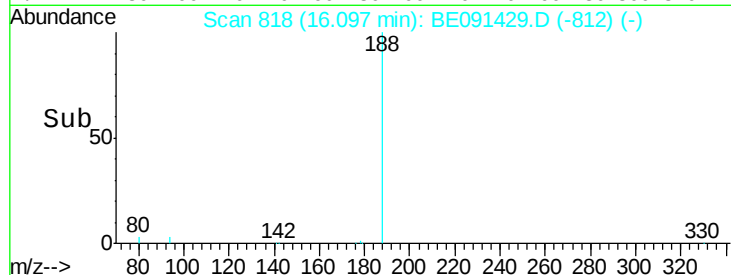
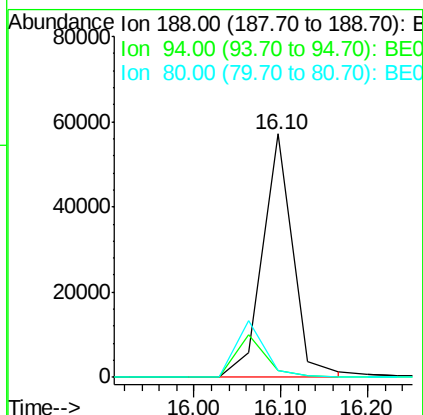
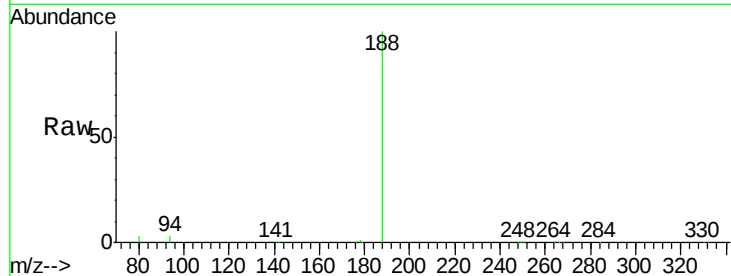




#13
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.10 min Scan# 818
Delta R.T. -0.00 min
Lab File: BE091429.D
Acq: 3 Mar 2016 19:08

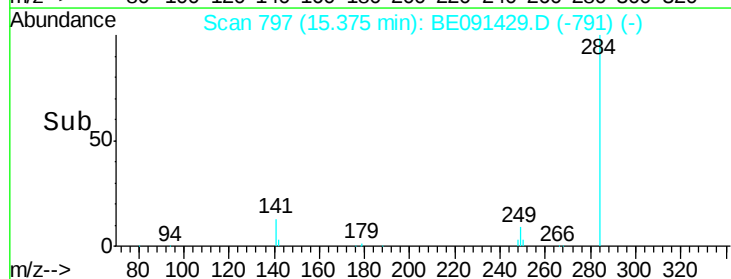
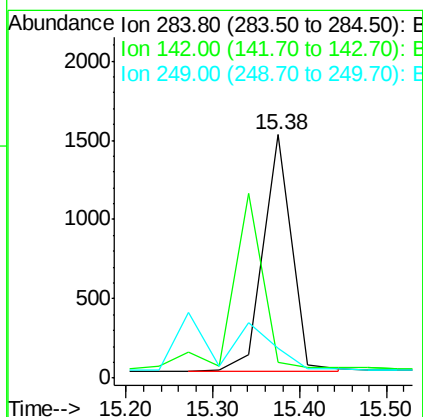
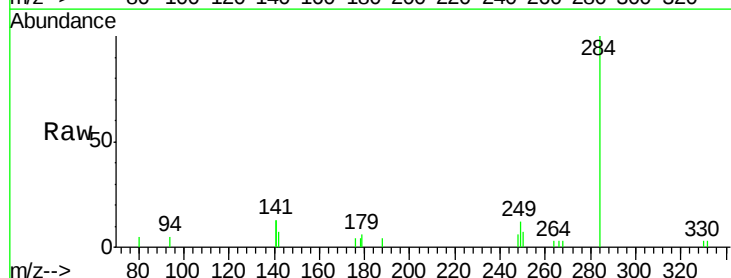
Instrument :
BNA_E
ClientSampleId :
DFTPP

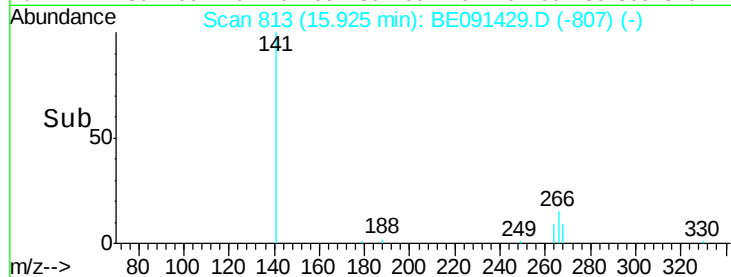
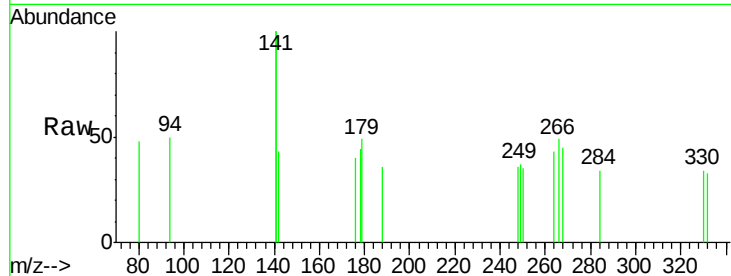
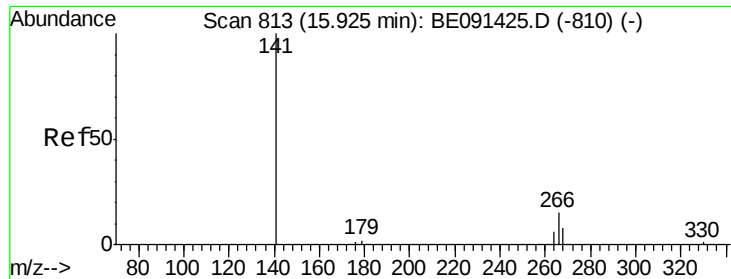
Tgt Ion:188 Resp: 139238
Ion Ratio Lower Upper
188 100
94 2.8 2.1 3.1
80 2.6 1.9 2.9



#14
Hexachlorobenzene
Concen: 0.41 ng
RT: 15.38 min Scan# 797
Delta R.T. -0.00 min
Lab File: BE091429.D
Acq: 3 Mar 2016 19:08

Tgt Ion:284 Resp: 3376
Ion Ratio Lower Upper
284 100
142 0.0 0.0 0.0
249 0.0 0.0 0.0

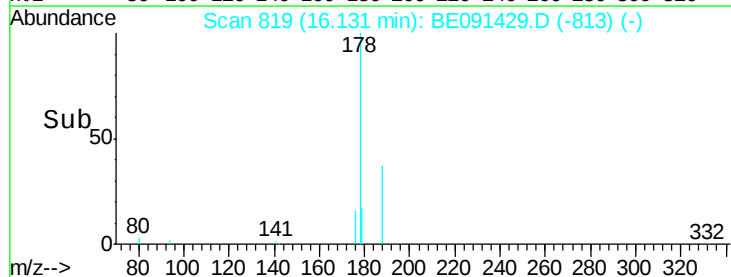
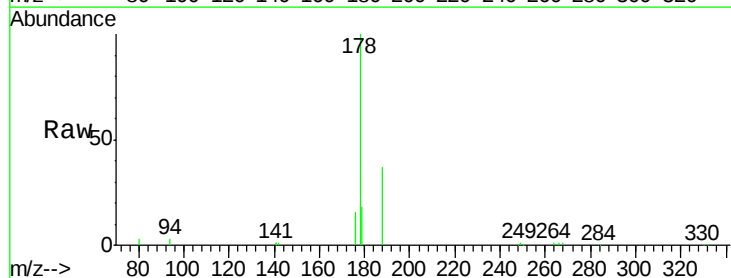
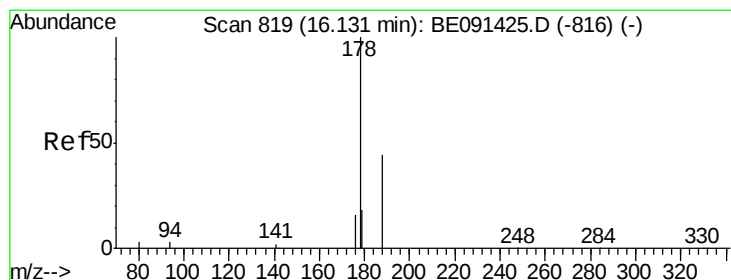
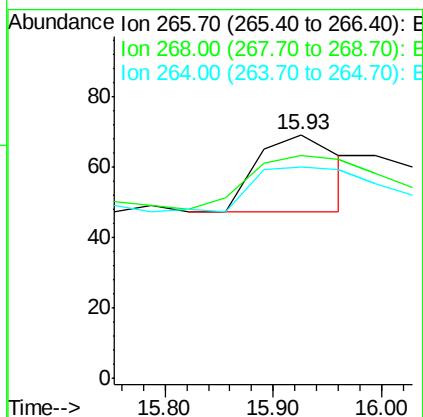




#15
 Pentachlorophenol
 Concen: Below Cal
 RT: 15.93 min Scan# 813
 Delta R.T. 0.00 min
 Lab File: BE091429.D
 Acq: 3 Mar 2016 19:08

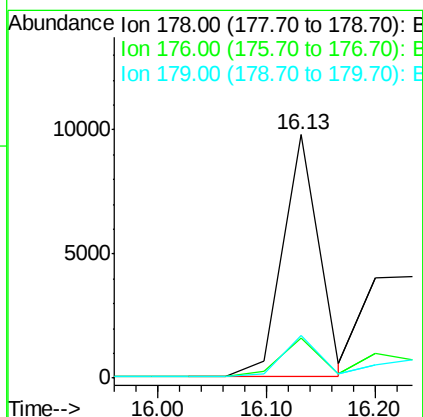
Instrument :
 BNA_E
 ClientSampleId :
 DFTPP

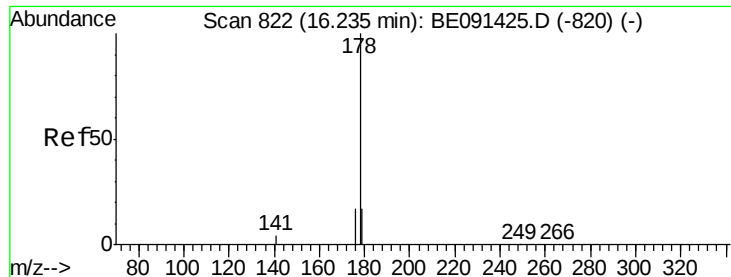
Tgt Ion: 266 Resp: 116
 Ion Ratio Lower Upper
 266 100
 268 91.3 73.0 109.6
 264 87.0 66.1 99.1



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

Tgt Ion: 178 Resp: 22558
 Ion Ratio Lower Upper
 178 100
 176 16.8 13.8 20.8
 179 17.1 14.2 21.4





#17

Anthracene

Concen: 0.49 ng

RT: 16.13 min Scan# 819

Delta R.T. -0.10 min

Lab File: BE091429.D

Acq: 3 Mar 2016 19:08

Instrument :

BNA_E

ClientSampleId :

DFTPP

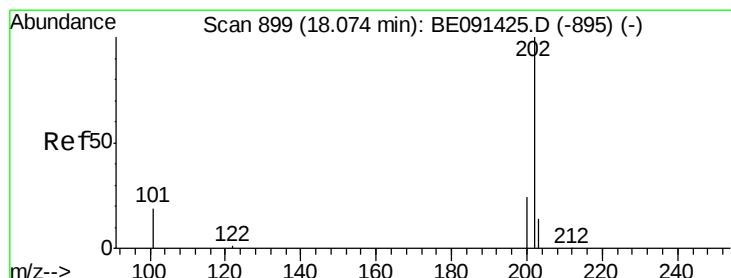
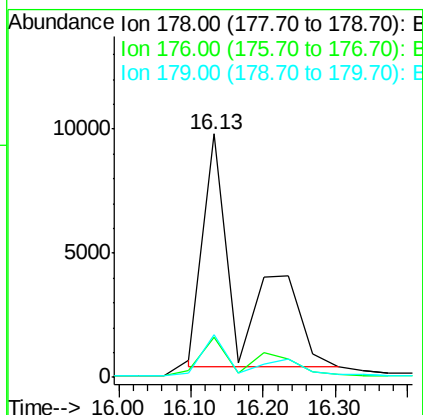
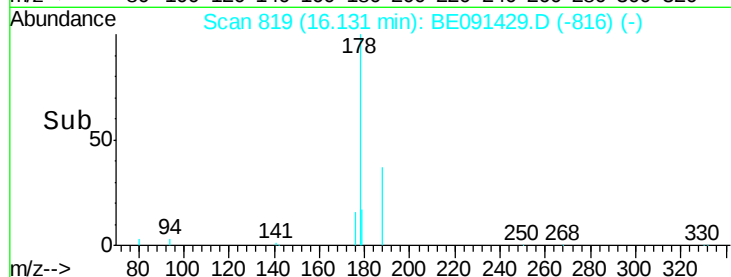
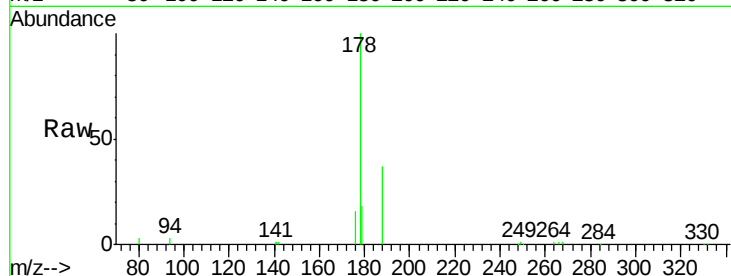
Tgt Ion:178 Resp: 35646

Ion Ratio Lower Upper

178 100

176 17.7 24.4 36.6#

179 11.0 14.8 22.2#



#18

Fluoranthene

Concen: 0.37 ng

RT: 18.09 min Scan# 900

Delta R.T. 0.02 min

Lab File: BE091429.D

Acq: 3 Mar 2016 19:08

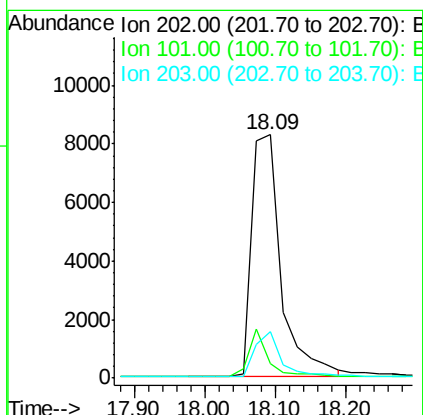
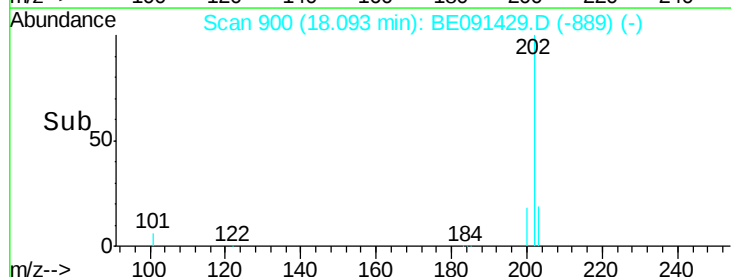
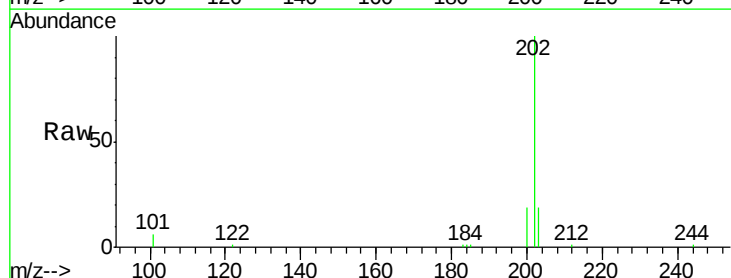
Tgt Ion:202 Resp: 24109

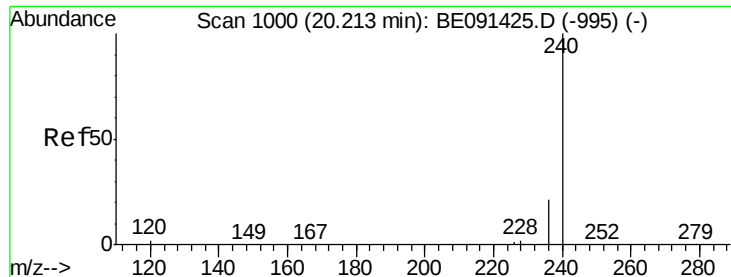
Ion Ratio Lower Upper

202 100

101 13.2 11.0 16.6

203 16.8 13.7 20.5





#19

Chrysene-d12

Concen: 5.00 ng

RT: 20.21 min Scan# 1000

Delta R.T. -0.00 min

Lab File: BE091429.D

Acq: 3 Mar 2016 19:08

Instrument :

BNA_E

ClientSampleId :

DFTPP

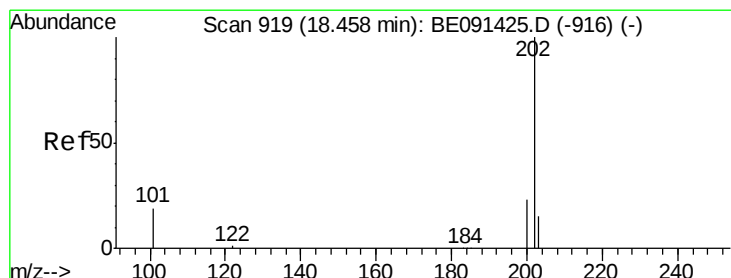
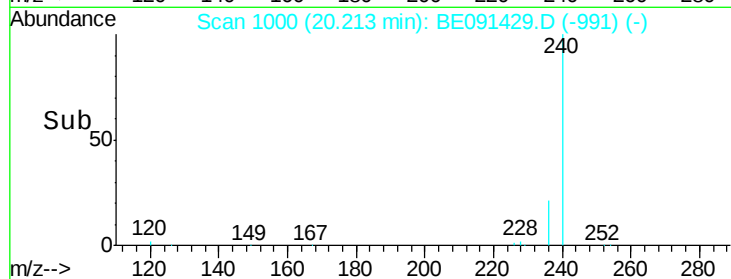
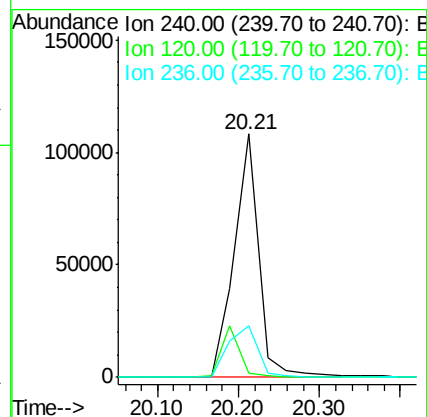
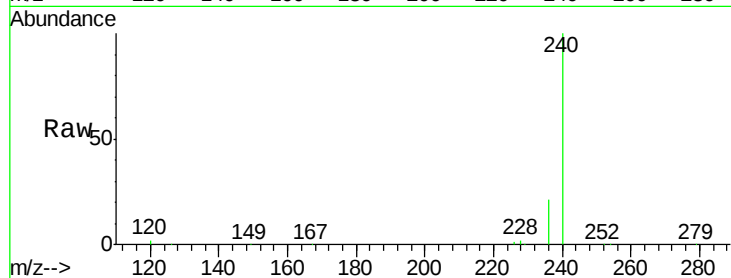
Tgt Ion:240 Resp: 225123

Ion Ratio Lower Upper

240 100

120 1.9 1.4 2.0

236 21.1 16.7 25.1



#20

Pyrene

Concen: 0.40 ng

RT: 18.46 min Scan# 919

Delta R.T. -0.00 min

Lab File: BE091429.D

Acq: 3 Mar 2016 19:08

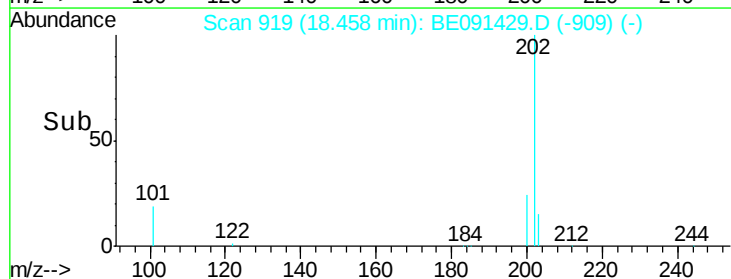
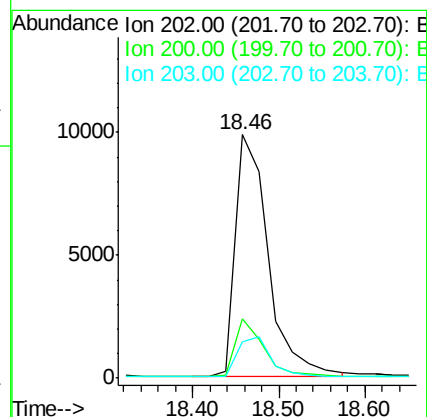
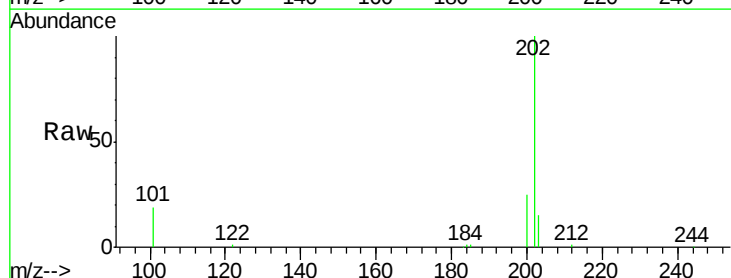
Tgt Ion:202 Resp: 25906

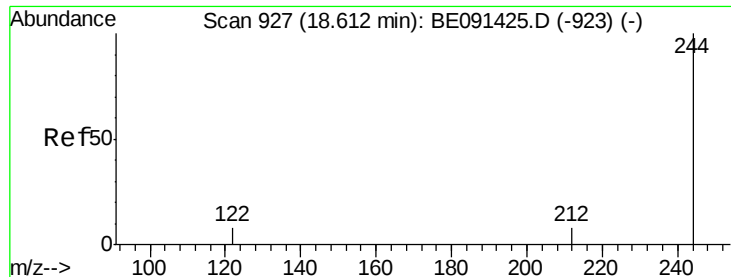
Ion Ratio Lower Upper

202 100

200 21.1 16.5 24.7

203 17.2 13.8 20.6

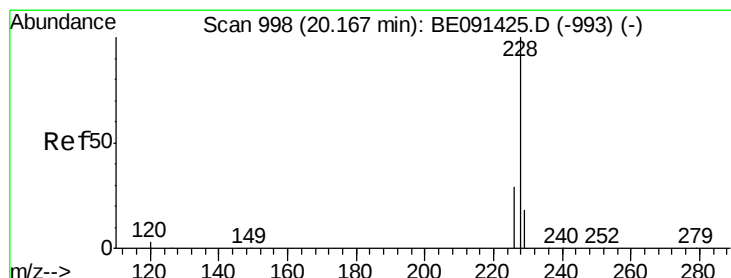
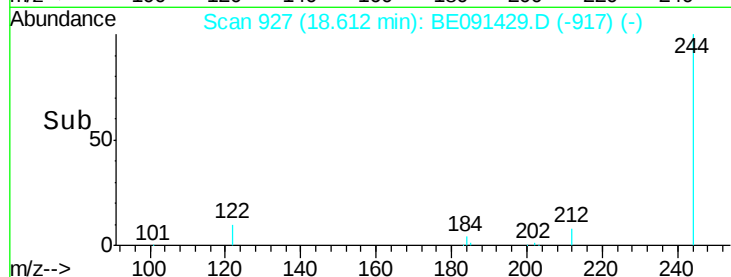
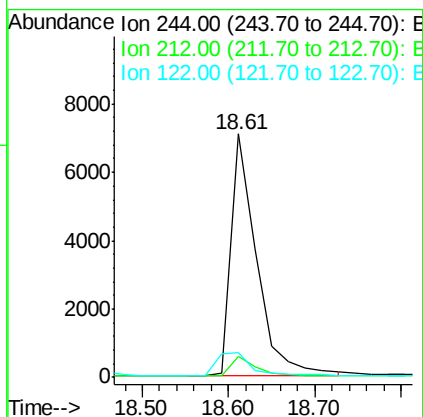
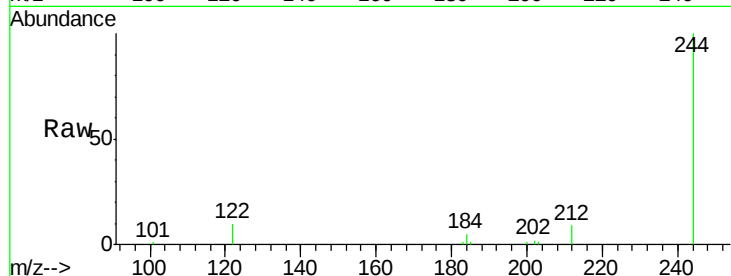




#21
 Terphenyl-d14
 Concen: 0.43 ng
 RT: 18.61 min Scan# 927
 Delta R.T. -0.00 min
 Lab File: BE091429.D
 Acq: 3 Mar 2016 19:08

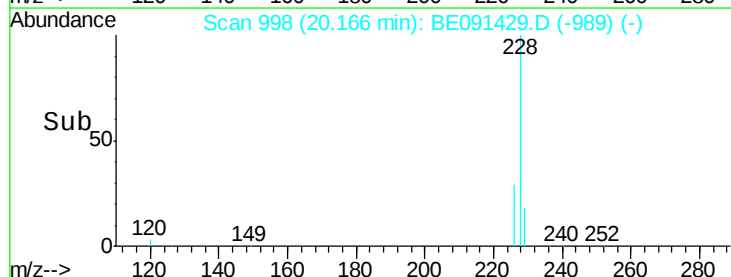
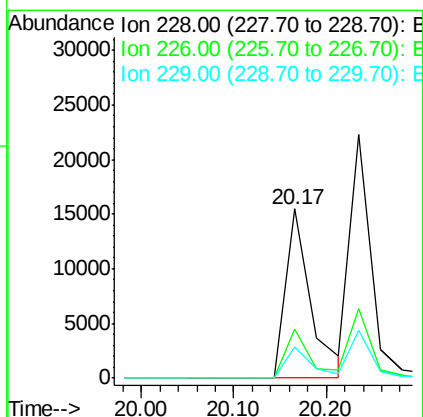
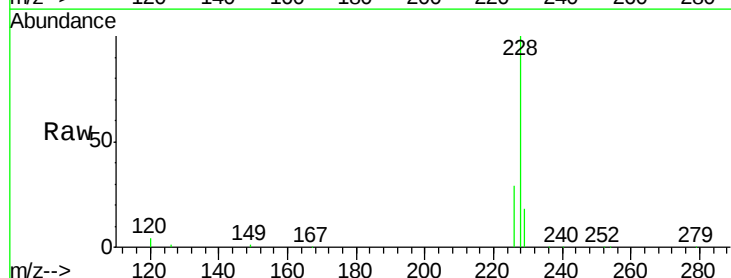
Instrument :
 BNA_E
 ClientSampleId :
 DFTPP

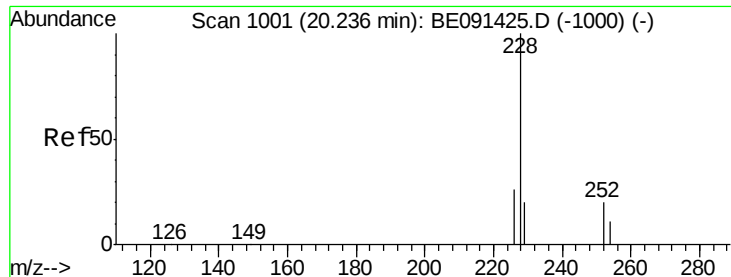
Tgt Ion: 244 Resp: 14587
 Ion Ratio Lower Upper
 244 100
 212 8.7 7.0 10.6
 122 10.2 6.8 10.2#



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

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





#23

Chrysene

Concen: 0.42 ng

RT: 20.24 min Scan# 1001

Delta R.T. -0.00 min

Lab File: BE091429.D

Acq: 3 Mar 2016 19:08

Instrument :

BNA_E

ClientSampleId :

DFTPP

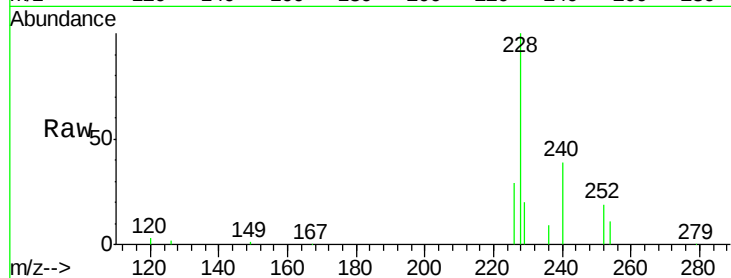
Tgt Ion:228 Resp: 35403

Ion Ratio Lower Upper

228 100

226 28.6 22.0 33.0

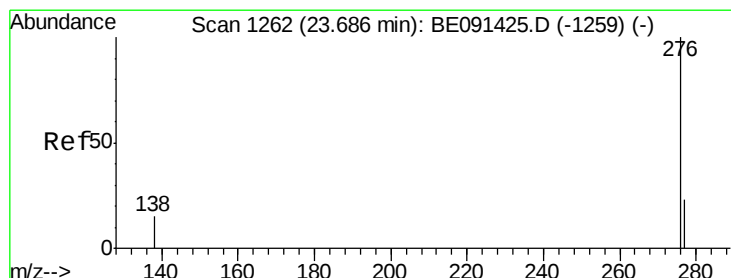
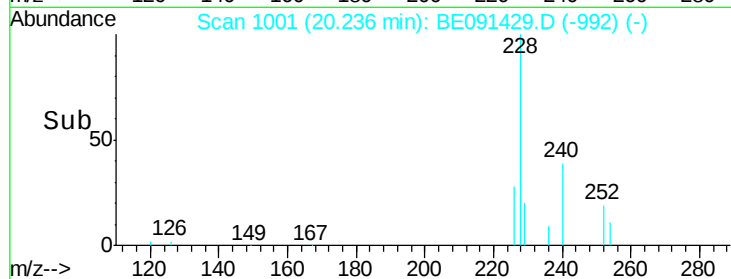
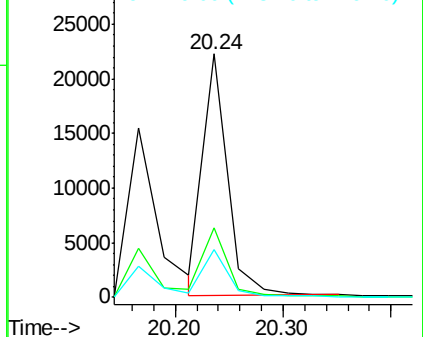
229 19.7 16.2 24.2



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: 0.46 ng

RT: 23.69 min Scan# 1262

Delta R.T. -0.00 min

Lab File: BE091429.D

Acq: 3 Mar 2016 19:08

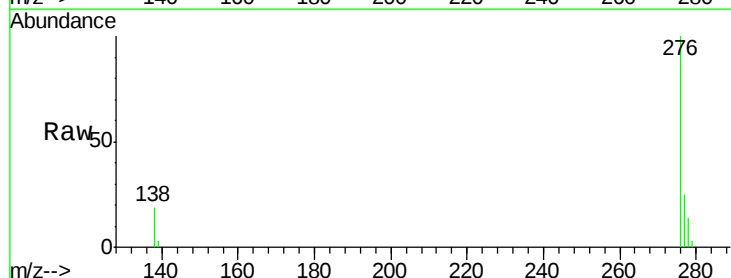
Tgt Ion:276 Resp: 31366

Ion Ratio Lower Upper

276 100

138 26.3 16.1 24.1#

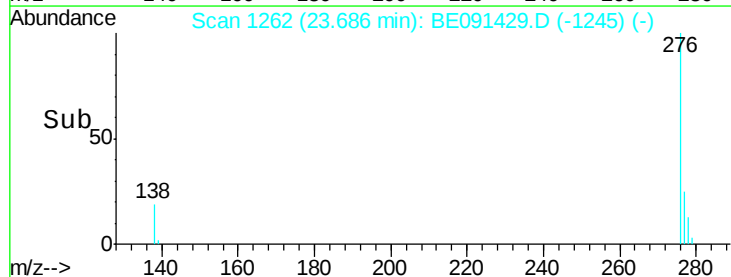
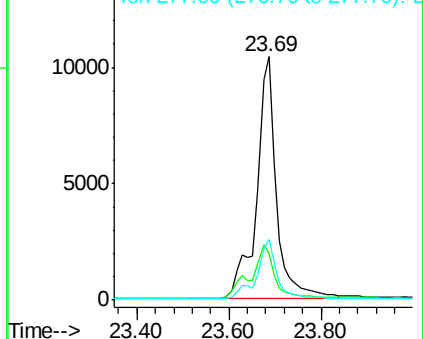
277 25.0 22.9 34.3

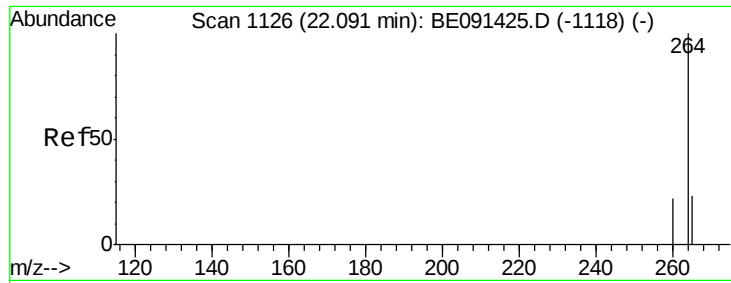


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

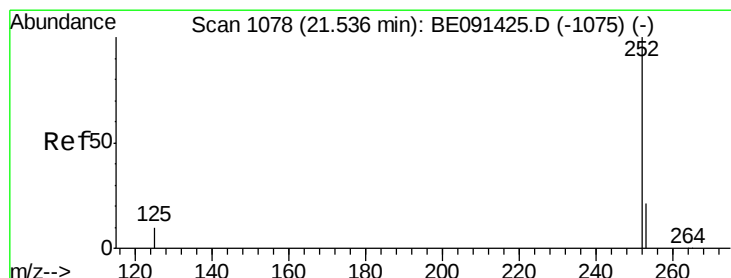
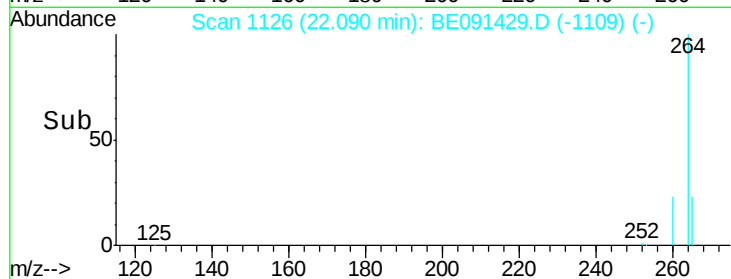
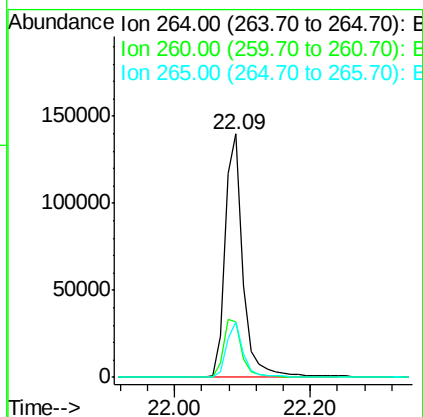
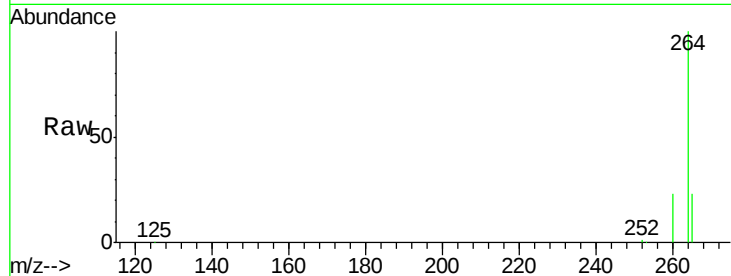




#25
 Perylene-d12
 Concen: 5.00 ng
 RT: 22.09 min Scan# 1126
 Delta R.T. -0.00 min
 Lab File: BE091429.D
 Acq: 3 Mar 2016 19:08

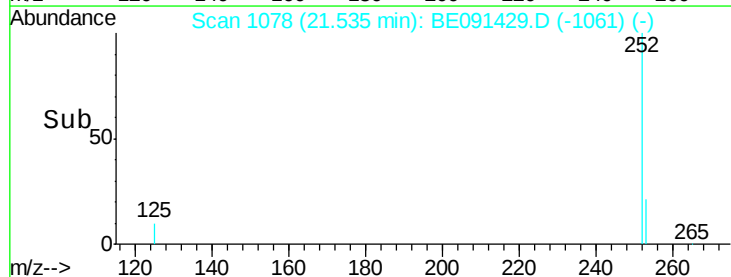
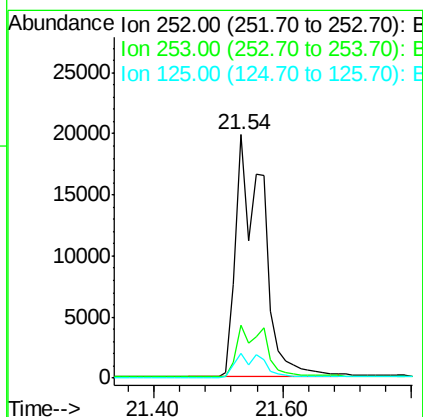
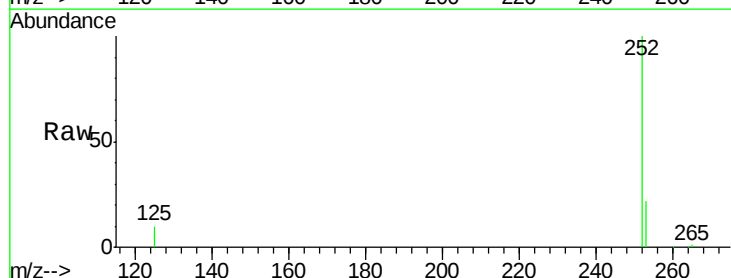
Instrument :
 BNA_E
 ClientSampleId :
 DFTPP

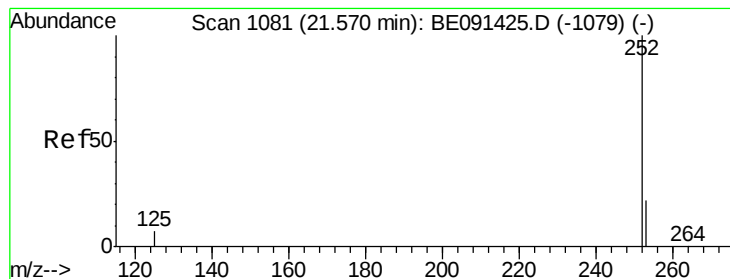
Tgt Ion: 264 Resp: 259119
 Ion Ratio Lower Upper
 264 100
 260 22.5 18.0 27.0
 265 22.7 18.2 27.4



#26
 Benzo(b)fluoranthene
 Concen: 0.81 ng
 RT: 21.54 min Scan# 1078
 Delta R.T. -0.00 min
 Lab File: BE091429.D
 Acq: 3 Mar 2016 19:08

Tgt Ion: 252 Resp: 58587
 Ion Ratio Lower Upper
 252 100
 253 21.7 17.0 25.4
 125 10.2 8.3 12.5





#27

Benzo(k)fluoranthene

Concen: 0.84 ng

RT: 21.54 min Scan# 1078

Delta R.T. -0.04 min

Lab File: BE091429.D

Acq: 3 Mar 2016 19:08

Instrument :

BNA_E

ClientSampleId :

DFTPP

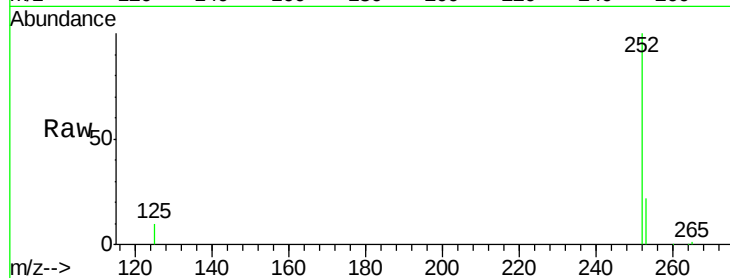
Tgt Ion:252 Resp: 58995

Ion Ratio Lower Upper

252 100

253 21.7 19.5 29.3

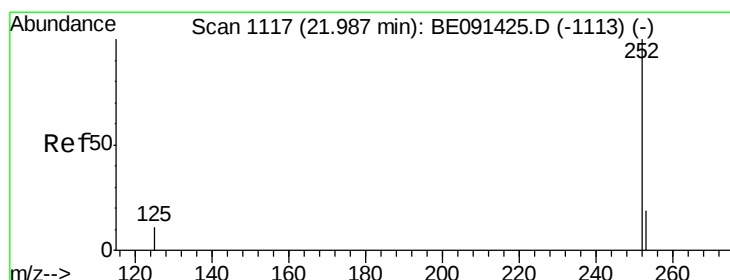
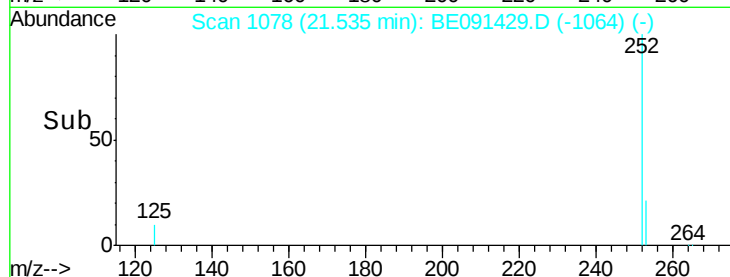
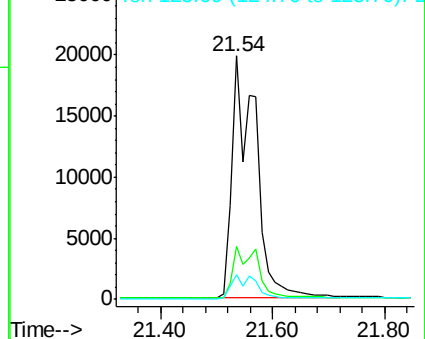
125 10.2 7.3 10.9



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: 0.40 ng

RT: 21.99 min Scan# 1117

Delta R.T. -0.00 min

Lab File: BE091429.D

Acq: 3 Mar 2016 19:08

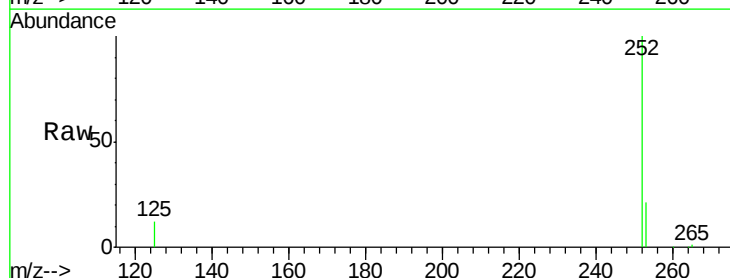
Tgt Ion:252 Resp: 24739

Ion Ratio Lower Upper

252 100

253 20.7 16.2 24.4

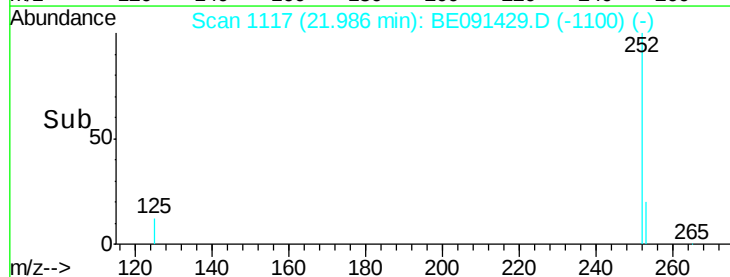
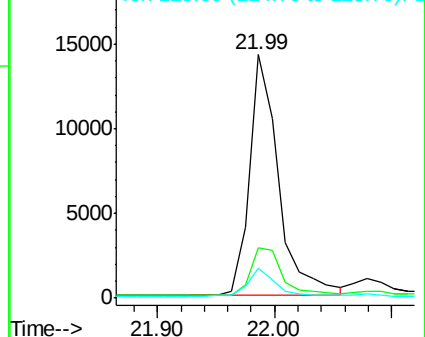
125 12.4 9.6 14.4

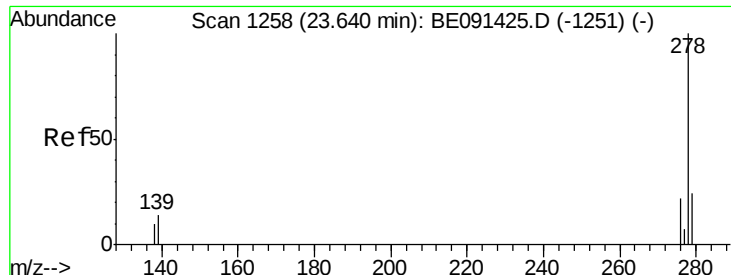


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#29

Dibenzo(a,h)anthracene

Concen: 0.41 ng

RT: 23.64 min Scan# 1258

Delta R.T. -0.00 min

Lab File: BE091429.D

Acq: 3 Mar 2016 19:08

Instrument :

BNA_E

ClientSampleId :

DFTPP

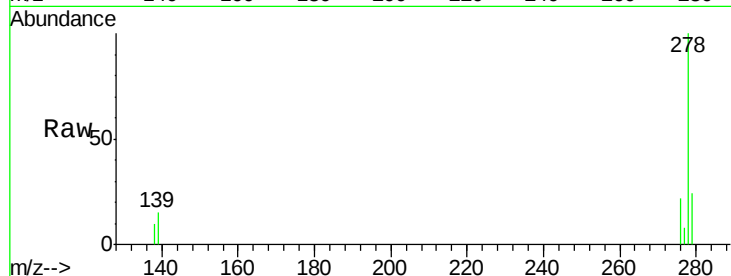
Tgt Ion: 278 Resp: 24381

Ion Ratio Lower Upper

278 100

139 14.5 12.1 18.1

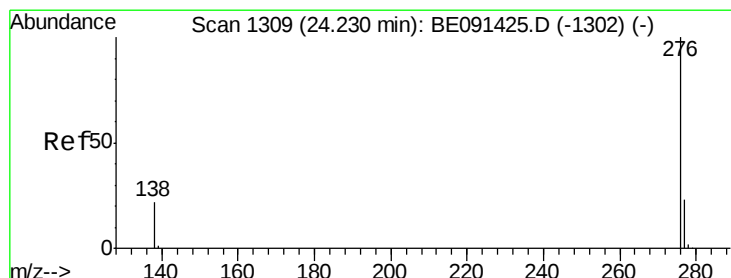
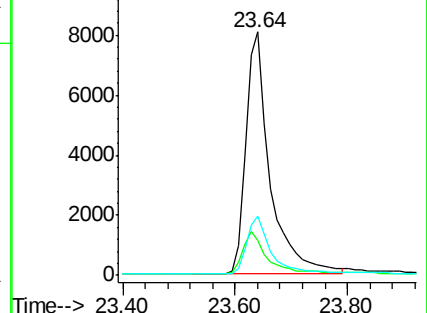
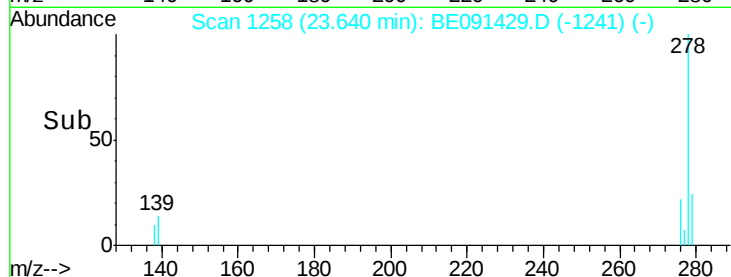
279 24.4 19.4 29.0



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#30

Benzo(g,h,i)perylene

Concen: 0.42 ng

RT: 24.23 min Scan# 1309

Delta R.T. -0.00 min

Lab File: BE091429.D

Acq: 3 Mar 2016 19:08

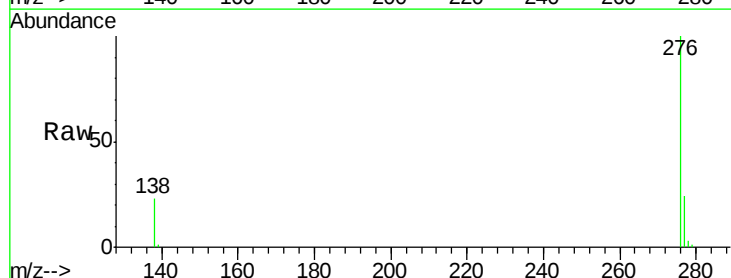
Tgt Ion: 276 Resp: 26907

Ion Ratio Lower Upper

276 100

277 23.8 19.0 28.6

138 23.2 18.2 27.4



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

