

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE020416\
 Data File : BE091386.D
 Acq On : 4 Feb 2016 9:03
 Operator : UM/IZ
 Sample : SSTDCCC001
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 DFTPP

Quant Time: Feb 05 06:32:04 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE020216.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 03 00:27:53 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	52367	5.00	ng	0.00
4) Naphthalene-d8	9.55	136	250136	5.00	ng	0.00
8) Acenaphthene-d10	13.35	164	157545	5.00	ng	0.00
14) Phenanthrene-d10	16.09	188	394481	5.00	ng	0.00
18) Chrysene-d12	20.21	240	456040	5.00	ng	0.00
24) Perylene-d12	22.09	264	428033	5.00	ng	0.00

System Monitoring Compounds						
2) 2-Fluorophenol	4.94	112	9675	0.98	ng	0.00
3) Phenol-d6	6.56	99	14603	1.02	ng	0.00
5) Nitrobenzene-d5	8.17	82	11153	0.91	ng	0.00
9) 2,4,6-Tribromophenol	14.90	330	4123	0.85	ng	0.00
10) 2-Fluorobiphenyl	12.01	172	38146	0.93	ng	0.00
20) Terphenyl-d14	18.61	244	66577	0.99	ng	0.00

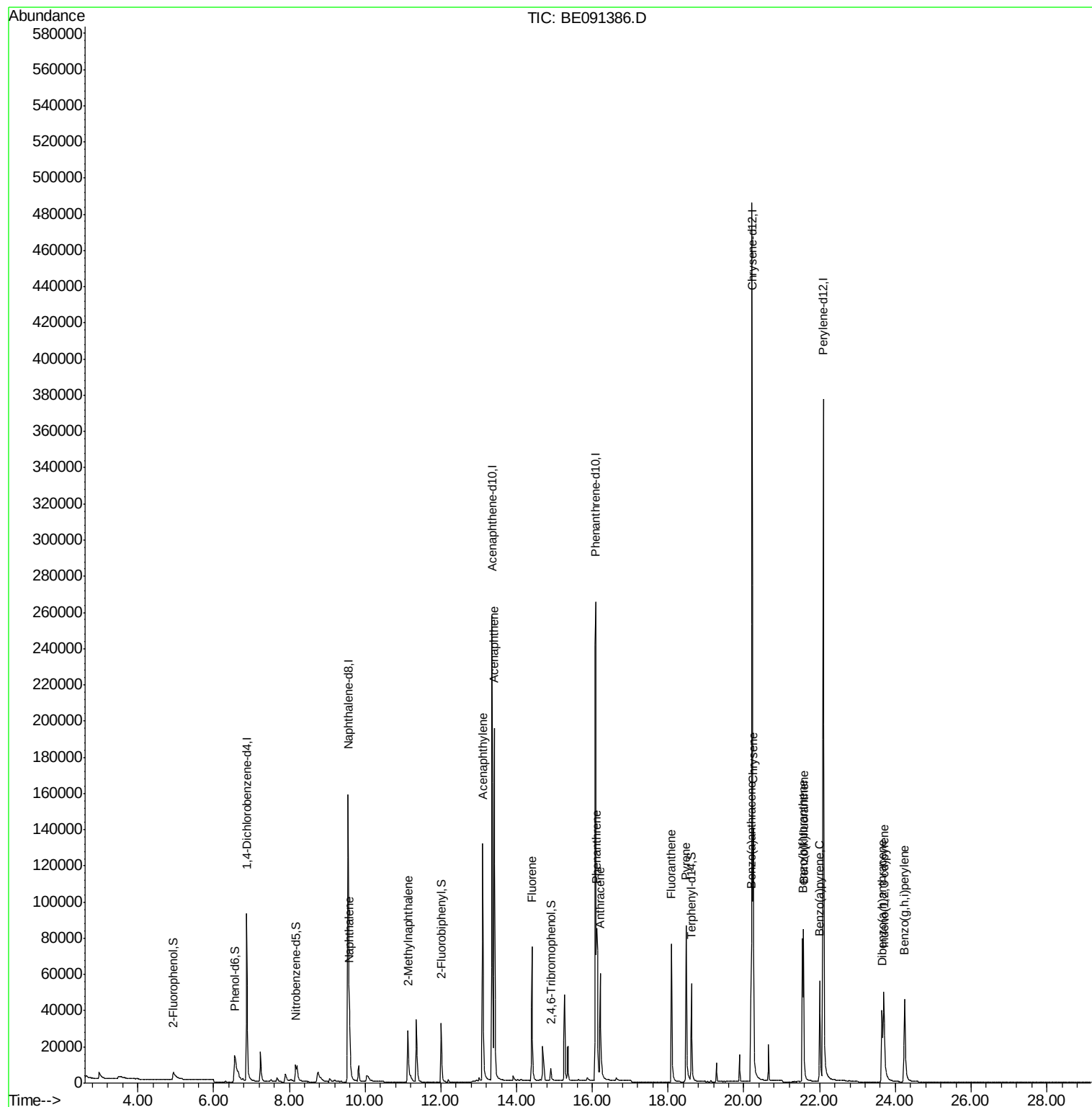
Target Compounds					Qvalue	
6) Naphthalene	9.59	128	51146	0.91	ng	100
7) 2-Methylnaphthalene	11.13	142	29076	0.93	ng	97
11) Acenaphthylene	13.10	152	209189	0.91	ng	100
12) Acenaphthene	13.42	154	38571	0.89	ng	98
13) Fluorene	14.40	166	51937	0.93	ng	99
15) Phenanthrene	16.12	178	95288	0.92	ng	99
16) Anthracene	16.21	178	81447	0.94	ng	99
17) Fluoranthene	18.10	202	88918	0.92	ng	100
19) Pyrene	18.47	202	94759	0.96	ng	100
21) Benzo(a)anthracene	20.19	228	77811	0.91	ng	99
22) Chrysene	20.25	228	113692	0.95	ng	99
23) Indeno(1,2,3-cd)pyrene	23.70	276	80561	0.91	ng	99
25) Benzo(b)fluoranthene	21.55	252	87757	0.95	ng	100
26) Benzo(k)fluoranthene	21.58	252	93441	0.89	ng	99
27) Benzo(a)pyrene	22.00	252	73664	0.89	ng	99
28) Dibenzo(a,h)anthracene	23.65	278	69026	0.92	ng	100
29) Benzo(g,h,i)perylene	24.25	276	85942	0.93	ng	98

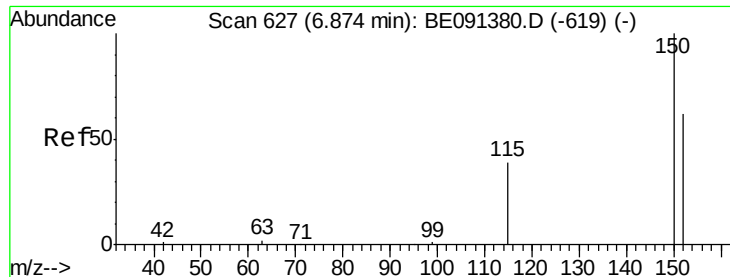
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE020416\
Data File : BE091386.D
Acq On : 4 Feb 2016 9:03
Operator : UM/IZ
Sample : SSTDCCC001
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
DFTPP

Quant Time: Feb 05 06:32:04 2016
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE020216.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 03 00:27:53 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 6.87 min Scan# 627

Delta R.T. 0.00 min

Lab File: BE091386.D

Acq: 4 Feb 2016 9:03

Instrument :

BNA_E

ClientSampleId :

DFTPP

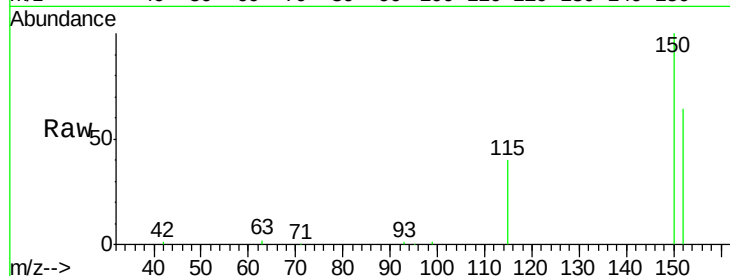
Tgt Ion:152 Resp: 52367

Ion Ratio Lower Upper

152 100

150 155.9 128.9 193.3

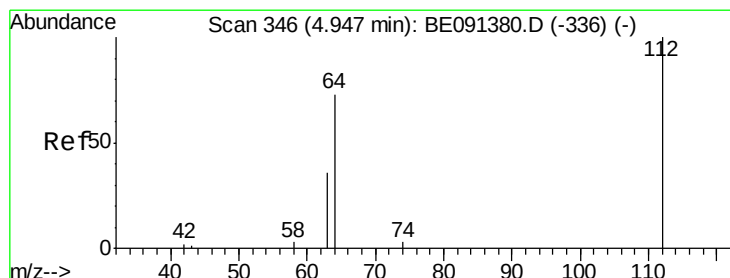
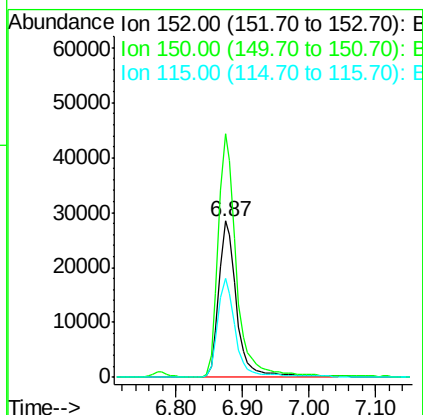
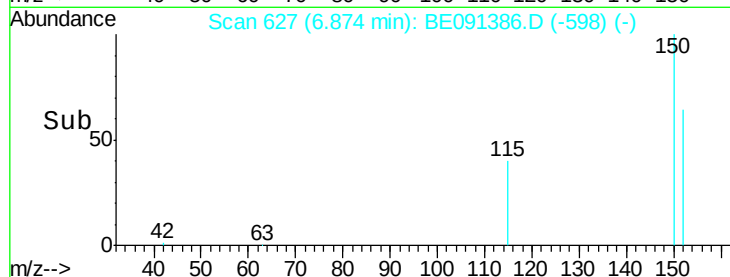
115 63.0 50.9 76.3



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

2-Fluorophenol

Concen: 0.98 ng

RT: 4.94 min Scan# 345

Delta R.T. -0.01 min

Lab File: BE091386.D

Acq: 4 Feb 2016 9:03

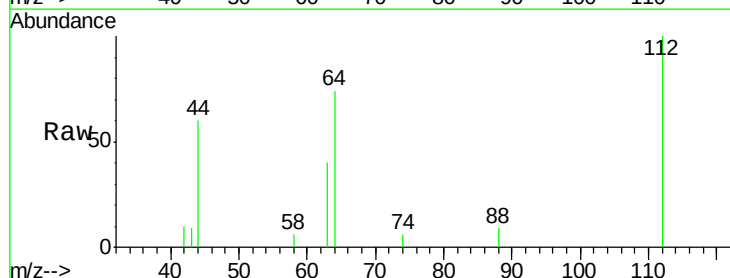
Tgt Ion:112 Resp: 9675

Ion Ratio Lower Upper

112 100

64 73.0 60.5 90.7

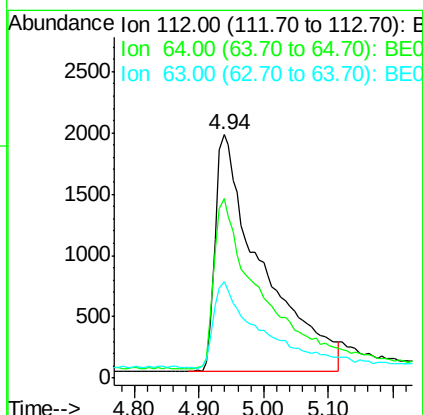
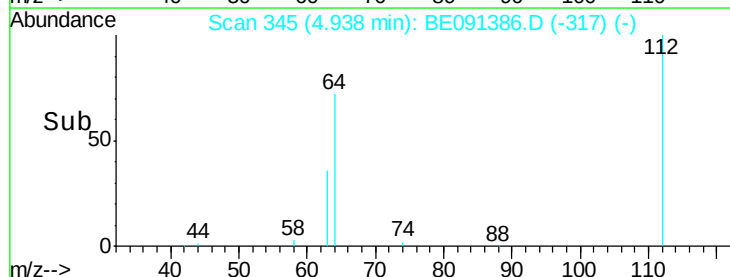
63 37.0 29.8 44.8

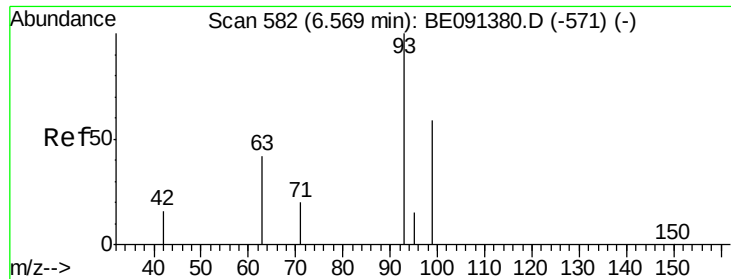


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#3

Phenol-d6

Concen: 1.02 ng

RT: 6.56 min Scan# 581

Delta R.T. -0.01 min

Lab File: BE091386.D

Acq: 4 Feb 2016 9:03

Instrument :

BNA_E

ClientSampleId :

DFTPP

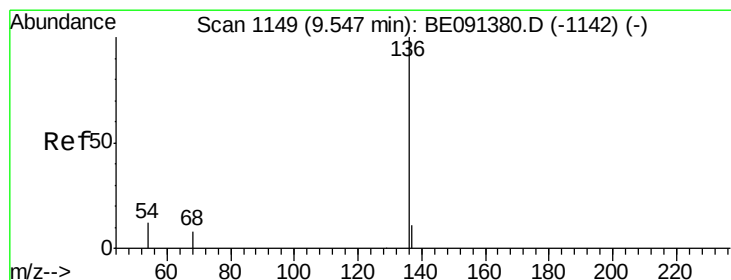
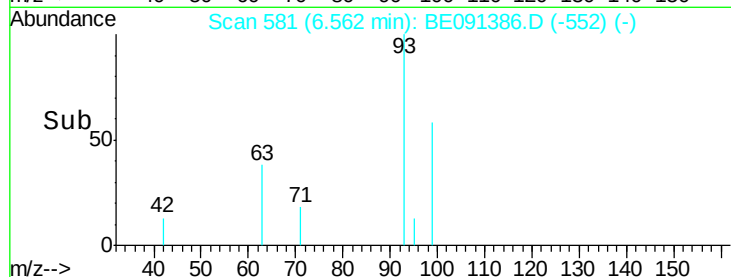
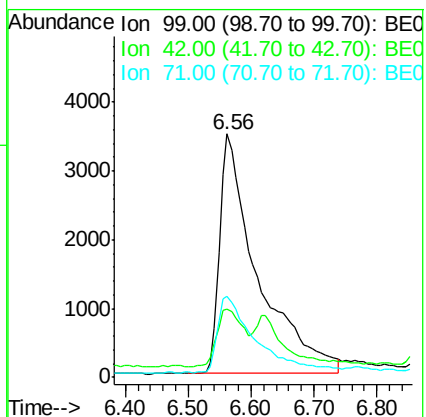
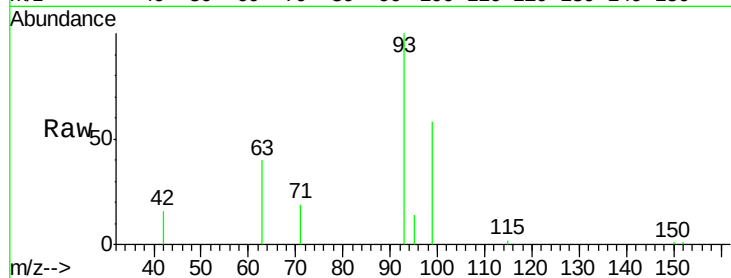
Tgt Ion: 99 Resp: 14603

Ion Ratio Lower Upper

99 100

42 16.4 13.3 19.9

71 32.3 25.6 38.4



#4

Naphthalene-d8

Concen: 5.00 ng

RT: 9.55 min Scan# 1149

Delta R.T. -0.00 min

Lab File: BE091386.D

Acq: 4 Feb 2016 9:03

Tgt Ion: 136 Resp: 250136

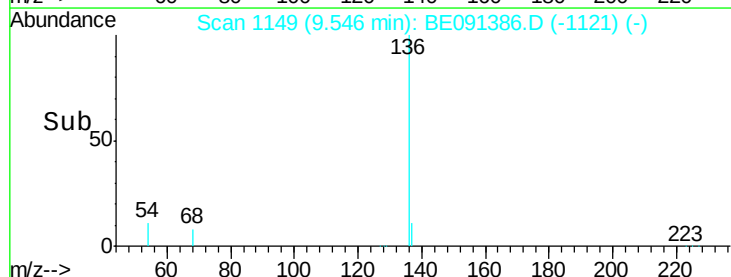
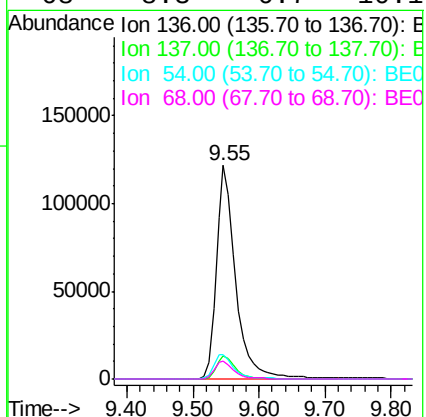
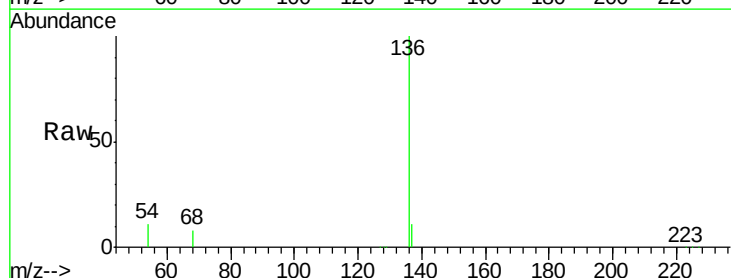
Ion Ratio Lower Upper

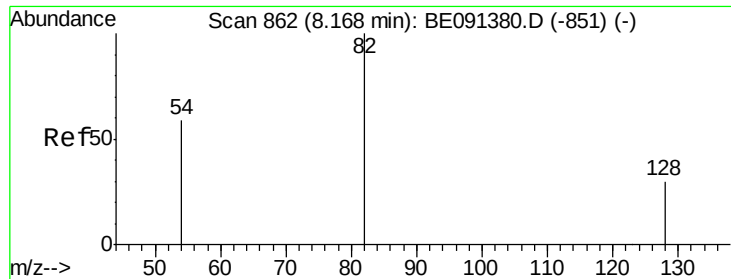
136 100

137 11.0 8.7 13.1

54 11.4 9.3 13.9

68 8.3 6.7 10.1





#5

Nitrobenzene-d5

Concen: 0.91 ng

RT: 8.17 min Scan# 862

Delta R.T. -0.00 min

Lab File: BE091386.D

Acq: 4 Feb 2016 9:03

Instrument :

BNA_E

ClientSampled :

DFTPP

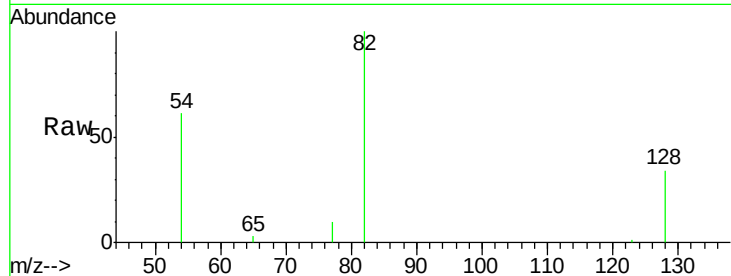
Tgt Ion: 82 Resp: 11153

Ion Ratio Lower Upper

82 100

128 34.2 25.0 37.4

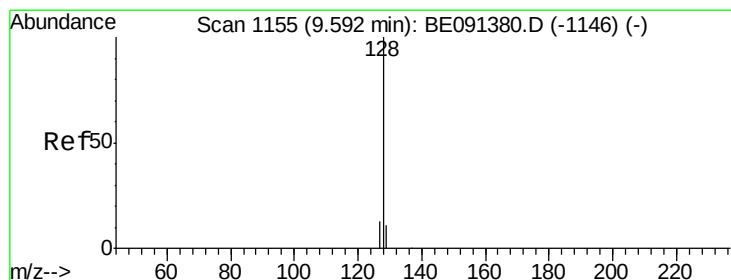
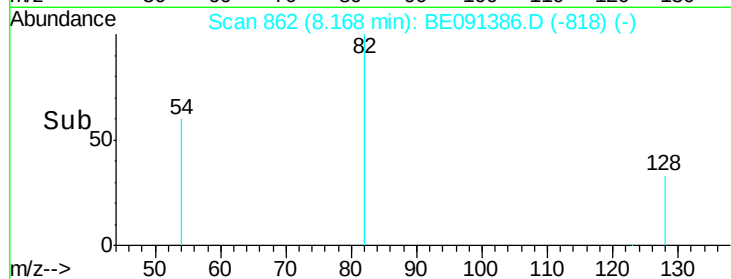
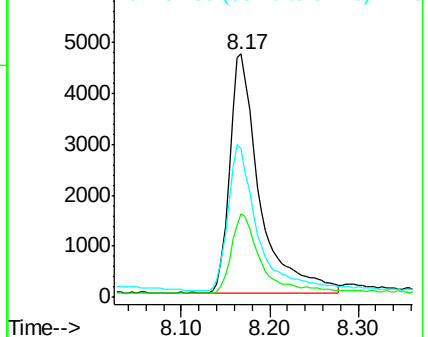
54 61.1 48.1 72.1



Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): BE0

Ion 54.00 (53.70 to 54.70): BE0



#6

Naphthalene

Concen: 0.91 ng

RT: 9.59 min Scan# 1155

Delta R.T. -0.00 min

Lab File: BE091386.D

Acq: 4 Feb 2016 9:03

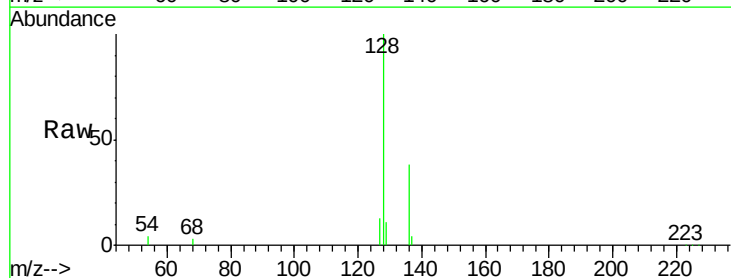
Tgt Ion: 128 Resp: 51146

Ion Ratio Lower Upper

128 100

129 11.2 9.1 13.7

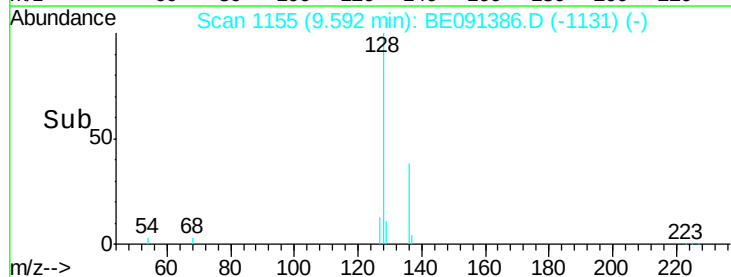
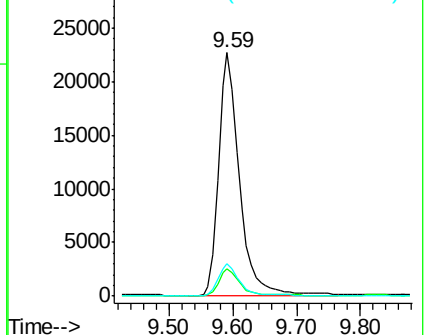
127 13.2 10.5 15.7

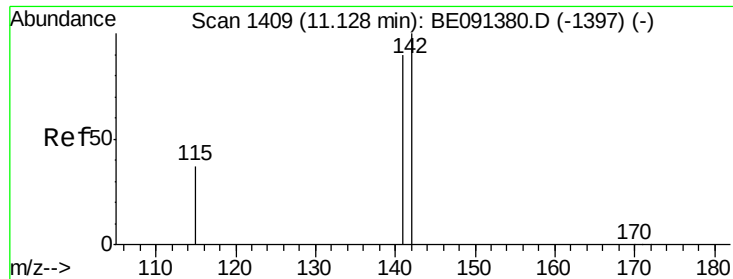


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#7

2-Methylnaphthalene

Concen: 0.93 ng

RT: 11.13 min Scan# 1409

Delta R.T. 0.00 min

Lab File: BE091386.D

Acq: 4 Feb 2016 9:03

Instrument :

BNA_E

ClientSampleId :

DFTPP

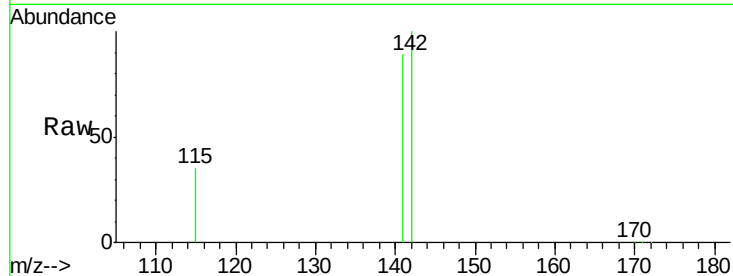
Tgt Ion:142 Resp: 29076

Ion Ratio Lower Upper

142 100

141 88.9 72.3 108.5

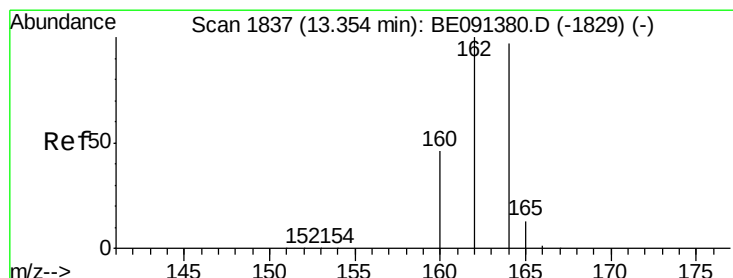
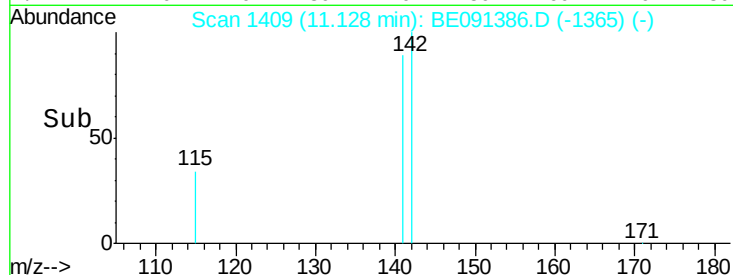
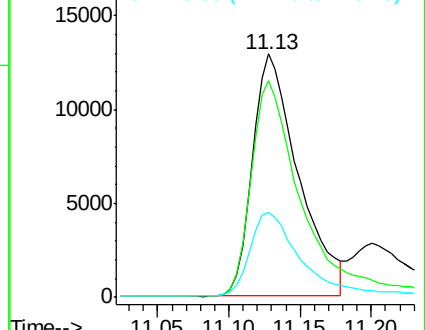
115 34.7 30.5 45.7



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: 13.35 min Scan# 1837

Delta R.T. -0.00 min

Lab File: BE091386.D

Acq: 4 Feb 2016 9:03

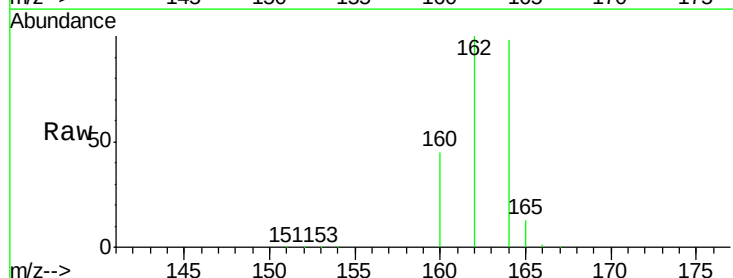
Tgt Ion:164 Resp: 157545

Ion Ratio Lower Upper

164 100

162 101.7 82.2 123.2

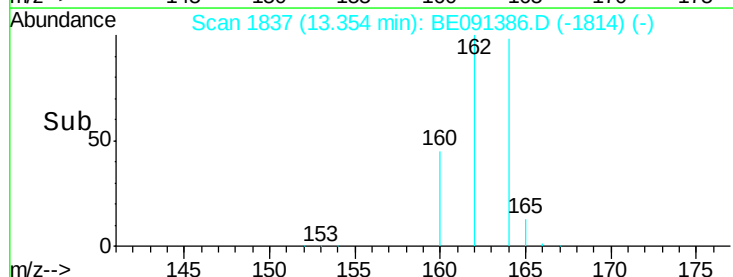
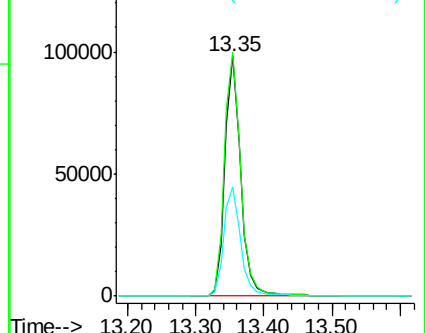
160 45.8 37.8 56.8

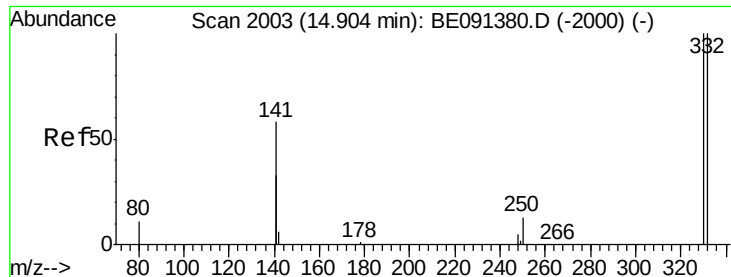


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#9

2,4,6-Tribromophenol

Concen: 0.85 ng

RT: 14.90 min Scan# 2003

Delta R.T. 0.00 min

Lab File: BE091386.D

Acq: 4 Feb 2016 9:03

Instrument :

BNA_E

ClientSampleId :

DFTPP

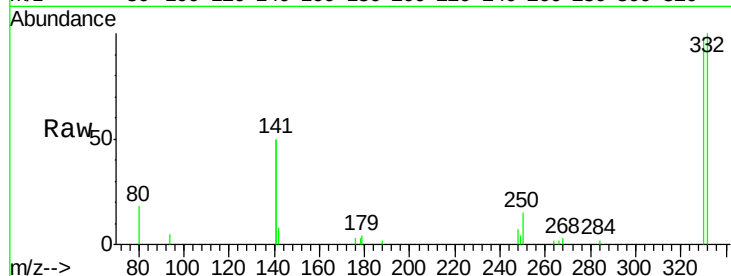
Tgt Ion:330 Resp: 4123

Ion Ratio Lower Upper

330 100

332 99.2 78.8 118.2

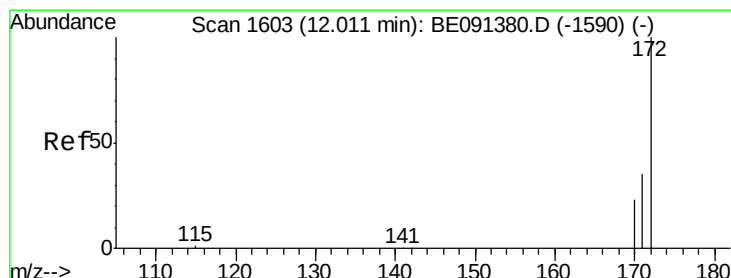
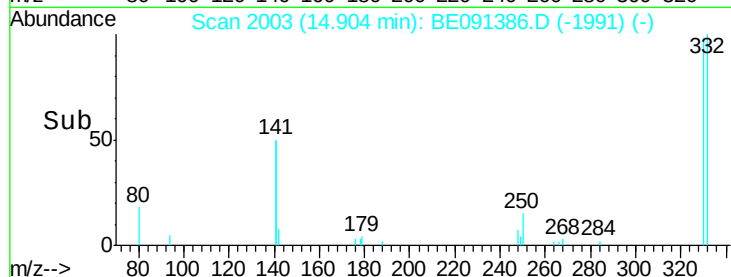
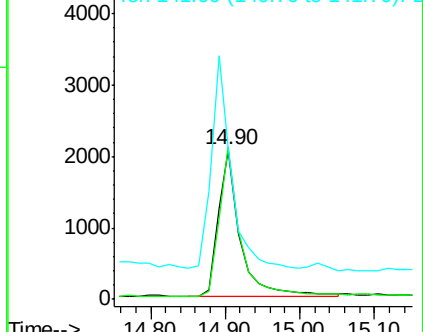
141 133.5 105.1 157.7



Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#10

2-Fluorobiphenyl

Concen: 0.93 ng

RT: 12.01 min Scan# 1603

Delta R.T. 0.00 min

Lab File: BE091386.D

Acq: 4 Feb 2016 9:03

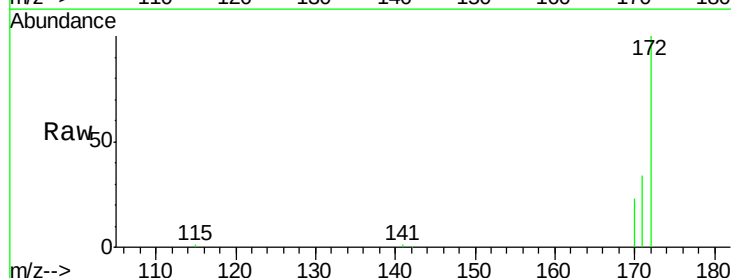
Tgt Ion:172 Resp: 38146

Ion Ratio Lower Upper

172 100

171 34.5 27.8 41.8

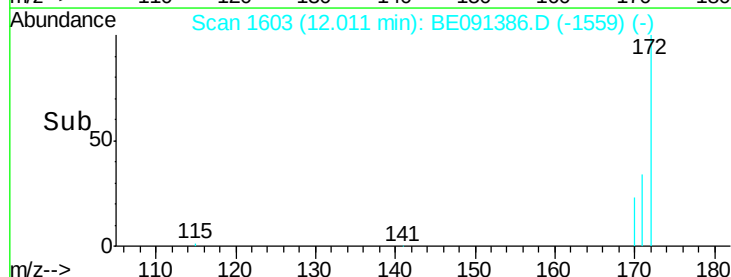
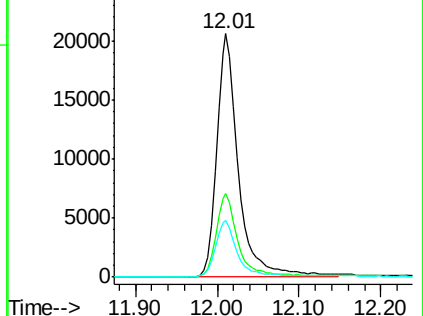
170 23.2 18.6 28.0

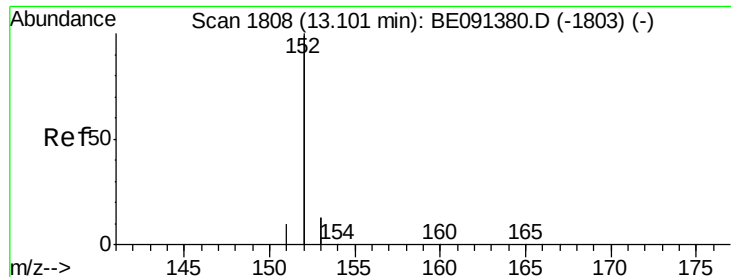


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#11

Acenaphthylene

Concen: 0.91 ng

RT: 13.10 min Scan# 1808

Delta R.T. 0.00 min

Lab File: BE091386.D

Acq: 4 Feb 2016 9:03

Instrument :

BNA_E

ClientSampleId :

DFTPP

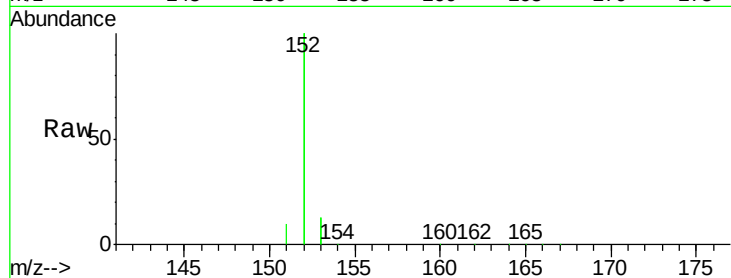
Tgt Ion:152 Resp: 209189

Ion Ratio Lower Upper

152 100

151 4.8 3.8 5.8

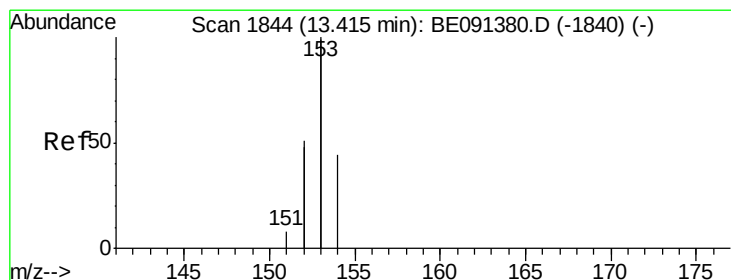
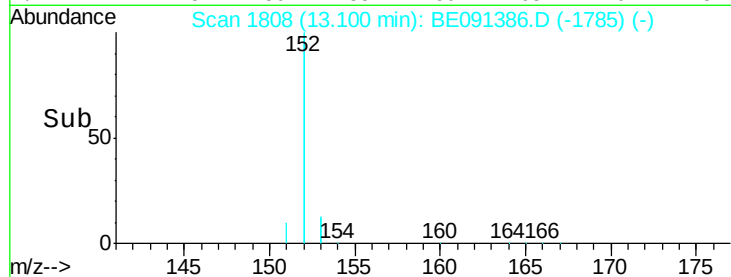
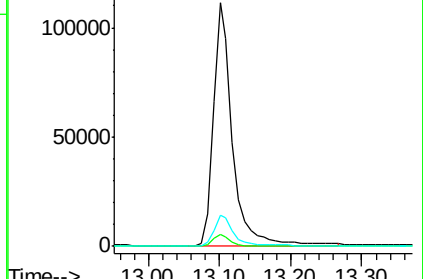
153 12.7 10.2 15.4



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



#12

Acenaphthene

Concen: 0.89 ng

RT: 13.42 min Scan# 1844

Delta R.T. -0.00 min

Lab File: BE091386.D

Acq: 4 Feb 2016 9:03

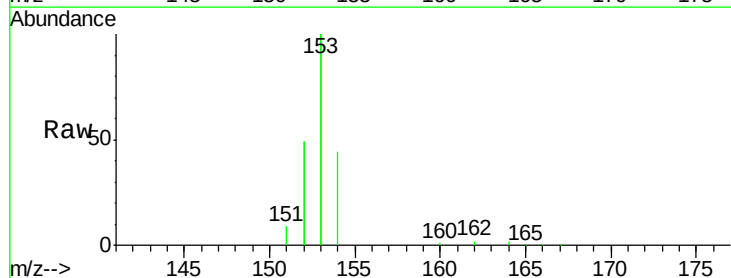
Tgt Ion:154 Resp: 38571

Ion Ratio Lower Upper

154 100

153 460.8 369.8 554.8

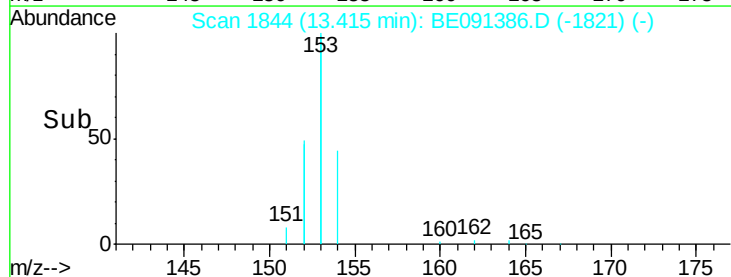
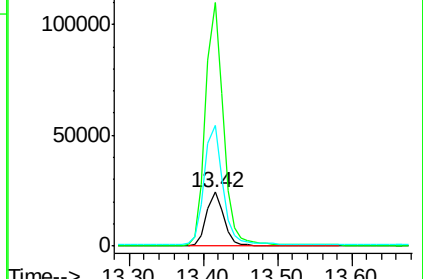
152 234.8 194.4 291.6

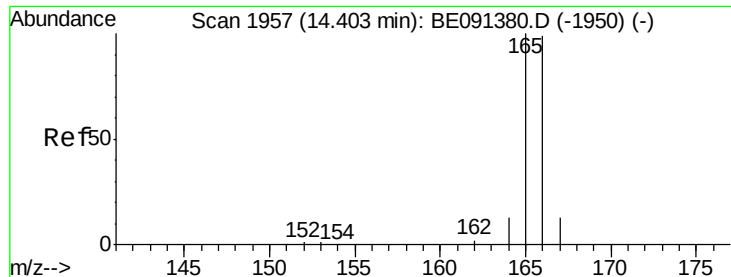


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#13

Fluorene

Concen: 0.93 ng

RT: 14.40 min Scan# 1957

Delta R.T. -0.00 min

Lab File: BE091386.D

Acq: 4 Feb 2016 9:03

Instrument :

BNA_E

ClientSampleId :

DFTPP

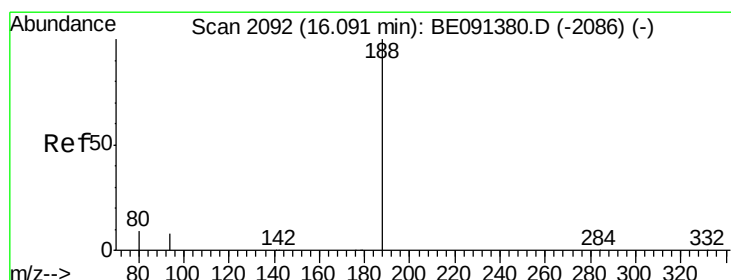
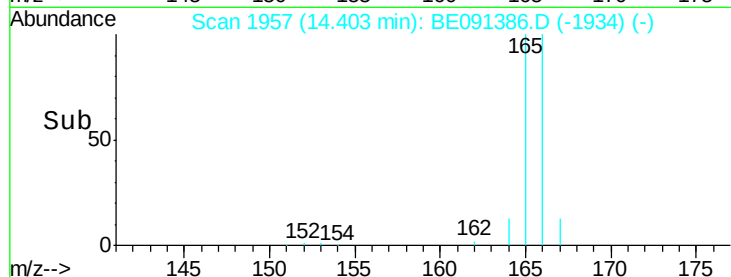
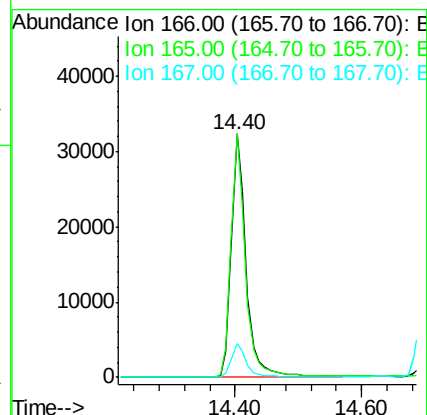
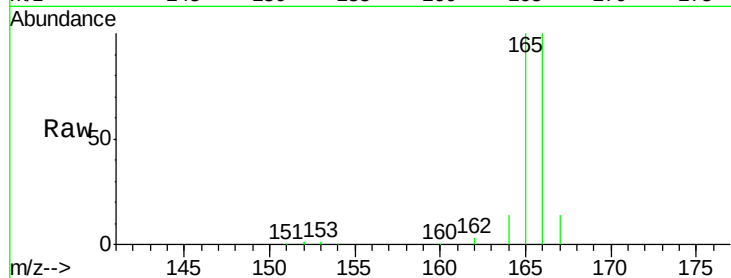
Tgt Ion:166 Resp: 51937

Ion Ratio Lower Upper

166 100

165 98.0 79.3 118.9

167 13.3 10.6 16.0



#14

Phenanthrene-d10

Concen: 5.00 ng

RT: 16.09 min Scan# 2092

Delta R.T. 0.00 min

Lab File: BE091386.D

Acq: 4 Feb 2016 9:03

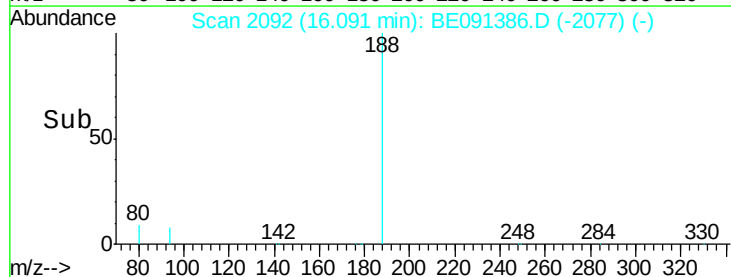
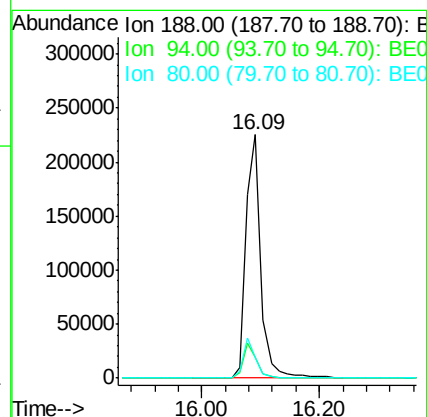
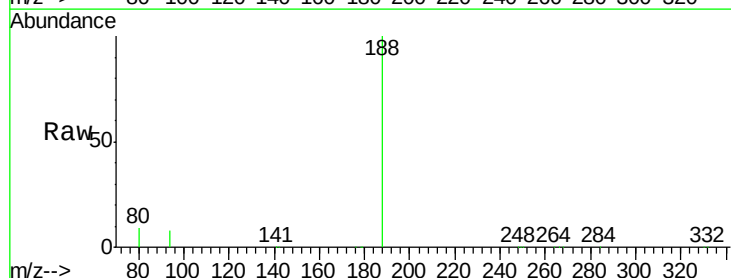
Tgt Ion:188 Resp: 394481

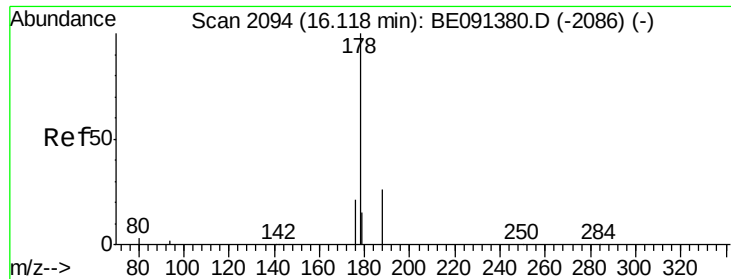
Ion Ratio Lower Upper

188 100

94 8.4 6.6 10.0

80 8.7 7.0 10.6

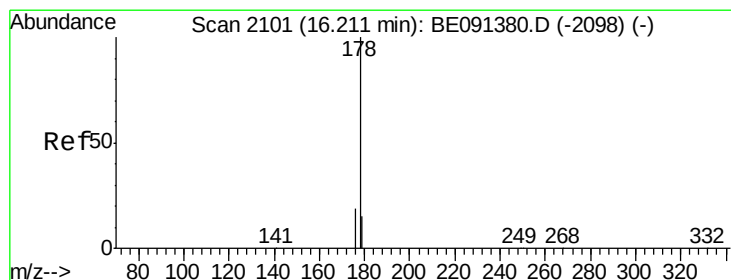
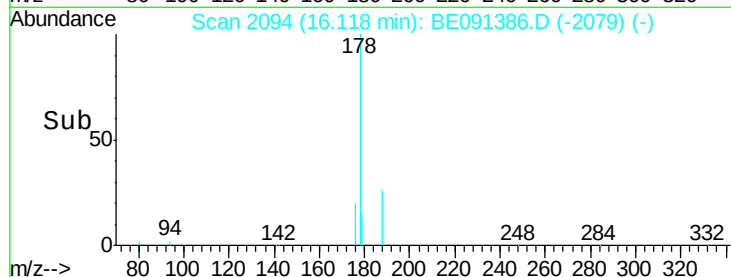
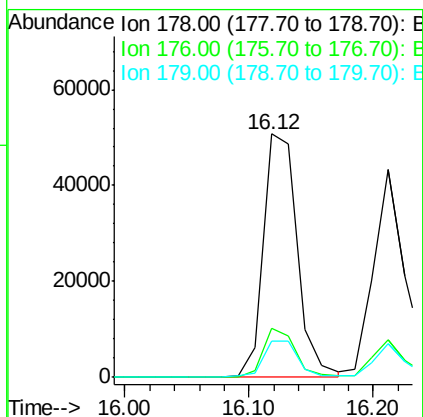
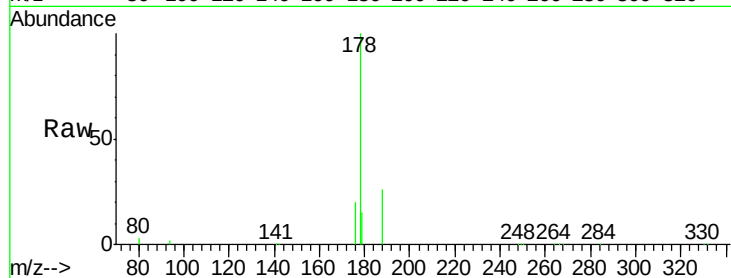




#15
 Phenanthrene
 Concen: 0.92 ng
 RT: 16.12 min Scan# 2094
 Delta R.T. 0.00 min
 Lab File: BE091386.D
 Acq: 4 Feb 2016 9:03

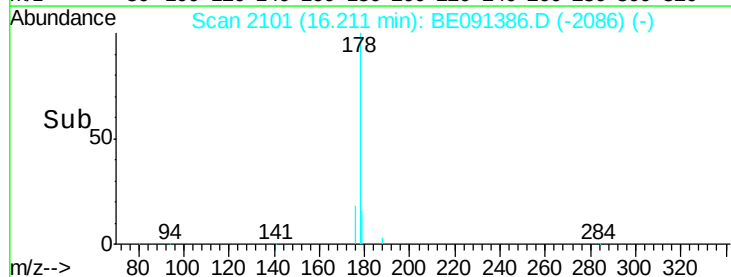
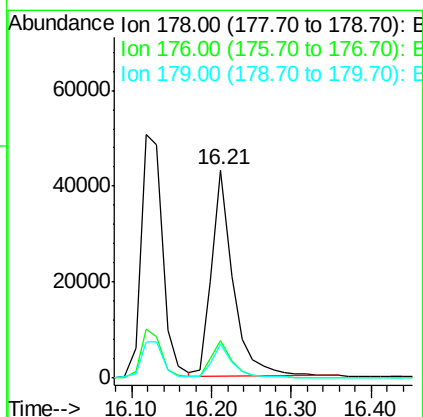
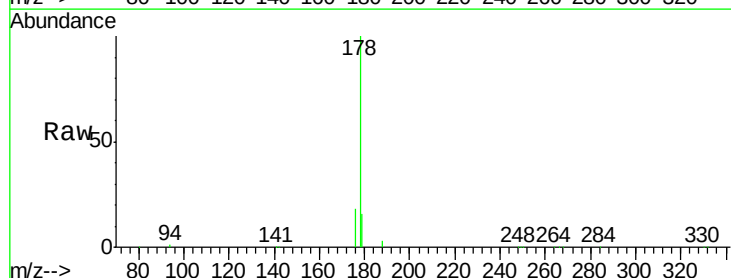
Instrument :
 BNA_E
 ClientSampleId :
 DFTPP

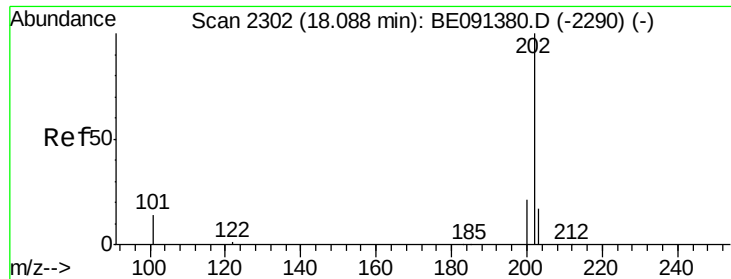
Tgt Ion:178 Resp: 95288
 Ion Ratio Lower Upper
 178 100
 176 19.0 15.4 23.2
 179 15.4 12.7 19.1



#16
 Anthracene
 Concen: 0.94 ng
 RT: 16.21 min Scan# 2101
 Delta R.T. 0.00 min
 Lab File: BE091386.D
 Acq: 4 Feb 2016 9:03

Tgt Ion:178 Resp: 81447
 Ion Ratio Lower Upper
 178 100
 176 18.3 14.8 22.2
 179 15.3 12.1 18.1

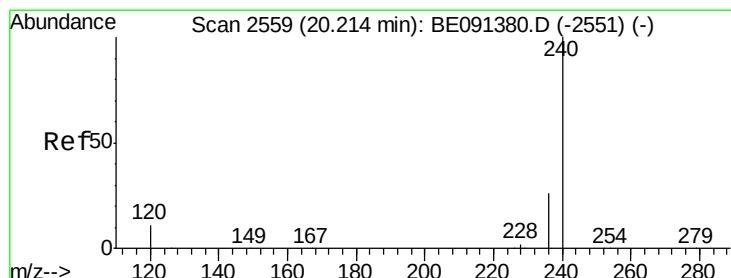
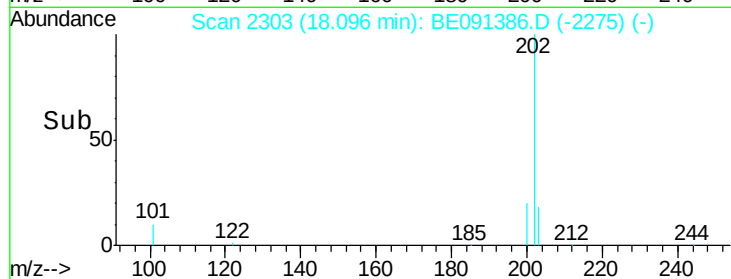
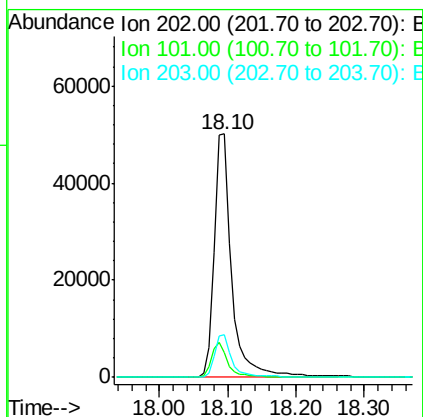
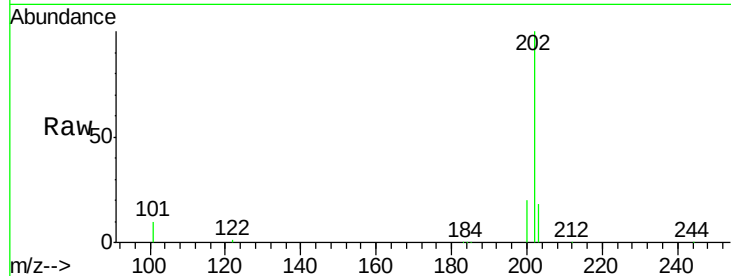




#17
 Fluoranthene
 Concen: 0.92 ng
 RT: 18.10 min Scan# 2303
 Delta R.T. 0.01 min
 Lab File: BE091386.D
 Acq: 4 Feb 2016 9:03

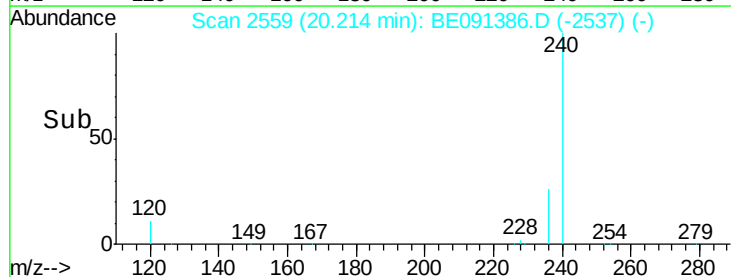
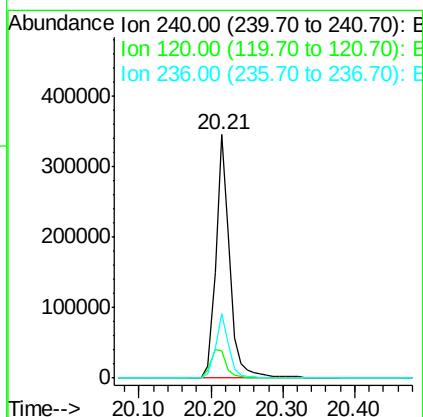
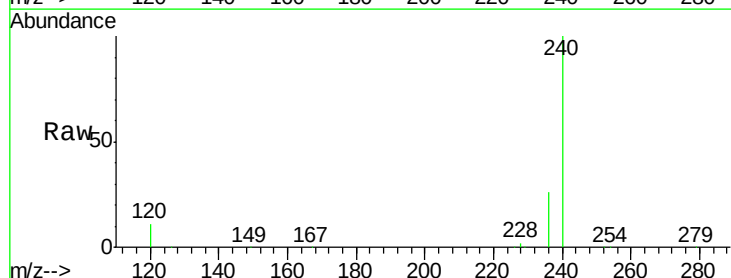
Instrument :
 BNA_E
 ClientSampleId :
 DFTPP

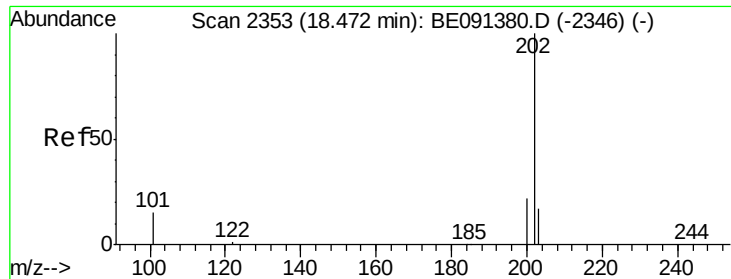
Tgt Ion:202 Resp: 88918
 Ion Ratio Lower Upper
 202 100
 101 13.4 10.5 15.7
 203 17.5 13.9 20.9



#18
 Chrysene-d12
 Concen: 5.00 ng
 RT: 20.21 min Scan# 2559
 Delta R.T. 0.00 min
 Lab File: BE091386.D
 Acq: 4 Feb 2016 9:03

Tgt Ion:240 Resp: 456040
 Ion Ratio Lower Upper
 240 100
 120 11.2 8.9 13.3
 236 26.3 21.0 31.4





#19

Pyrene

Concen: 0.96 ng

RT: 18.47 min Scan# 2353

Delta R.T. 0.00 min

Lab File: BE091386.D

Acq: 4 Feb 2016 9:03

Instrument :

BNA_E

ClientSampleId :

DFTPP

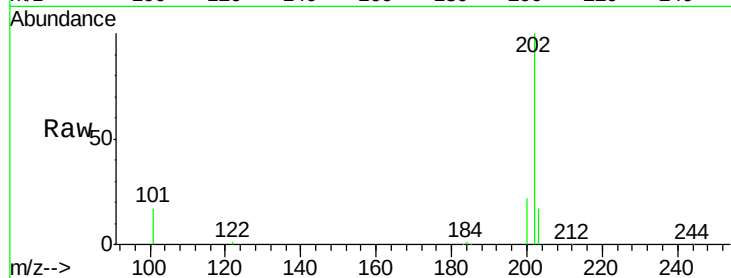
Tgt Ion:202 Resp: 94759

Ion Ratio Lower Upper

202 100

200 20.9 16.8 25.2

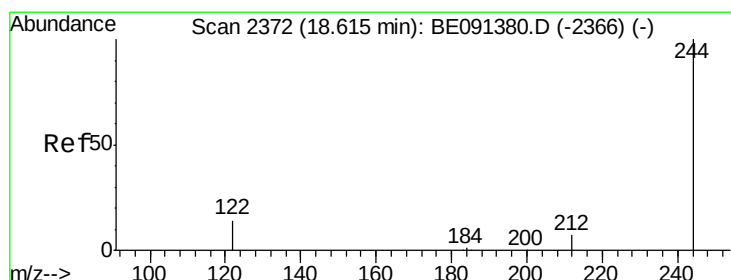
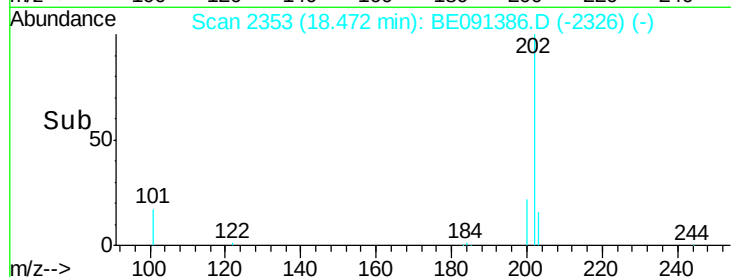
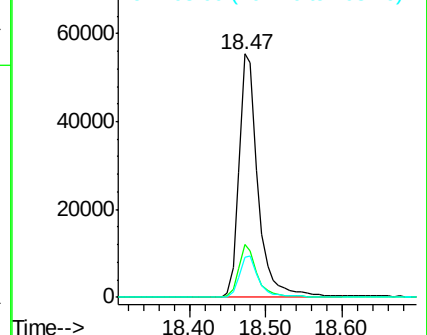
203 17.2 14.0 21.0



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



#20

Terphenyl-d14

Concen: 0.99 ng

RT: 18.61 min Scan# 2372

Delta R.T. 0.00 min

Lab File: BE091386.D

Acq: 4 Feb 2016 9:03

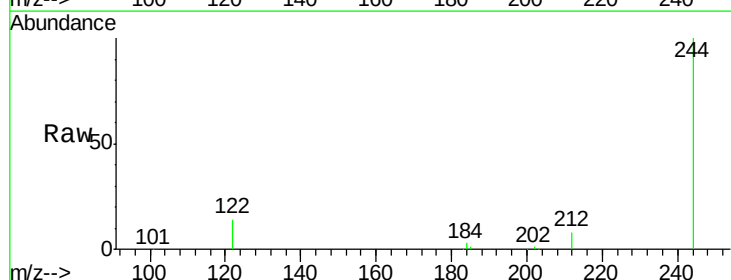
Tgt Ion:244 Resp: 66577

Ion Ratio Lower Upper

244 100

212 7.7 6.1 9.1

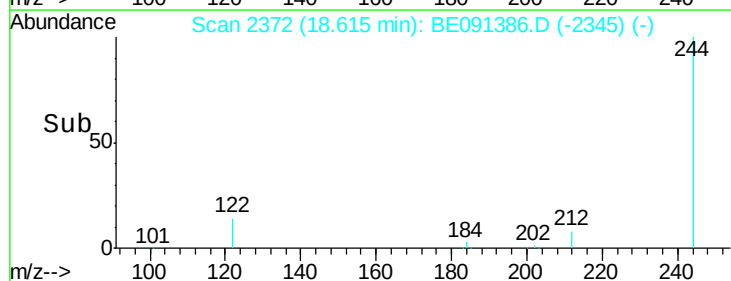
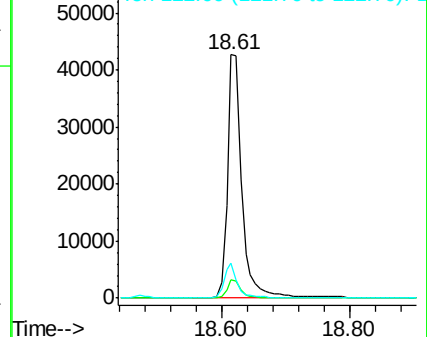
122 14.4 11.0 16.6

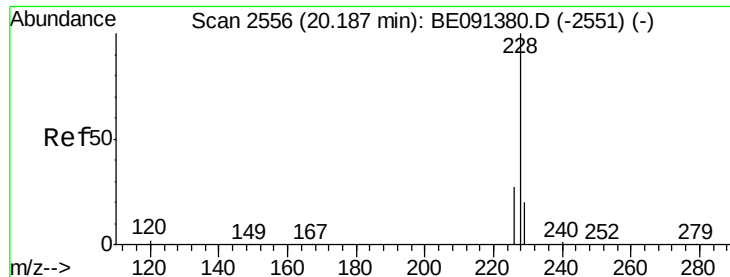


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#21

Benzo(a)anthracene

Concen: 0.91 ng

RT: 20.19 min Scan# 2556

Delta R.T. 0.00 min

Lab File: BE091386.D

Acq: 4 Feb 2016 9:03

Instrument :

BNA_E

ClientSampleId :

DFTPP

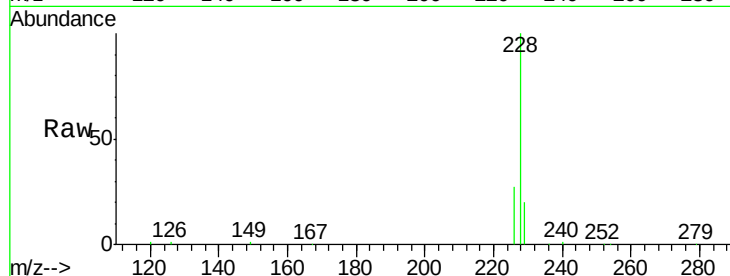
Tgt Ion:228 Resp: 77811

Ion Ratio Lower Upper

228 100

226 26.5 21.7 32.5

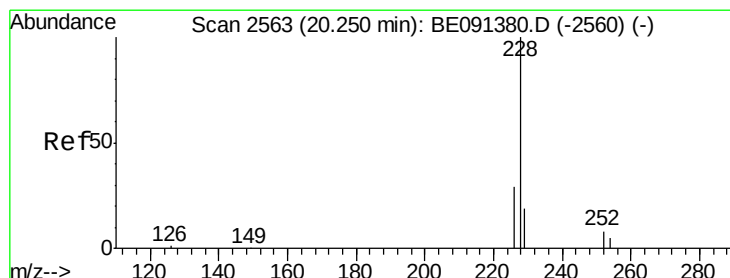
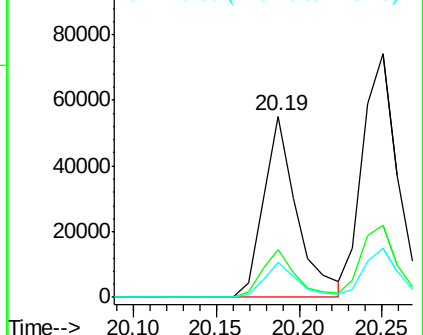
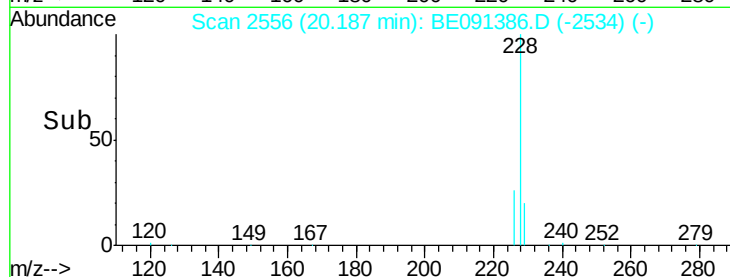
229 19.7 16.1 24.1



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



#22

Chrysene

Concen: 0.95 ng

RT: 20.25 min Scan# 2563

Delta R.T. 0.00 min

Lab File: BE091386.D

Acq: 4 Feb 2016 9:03

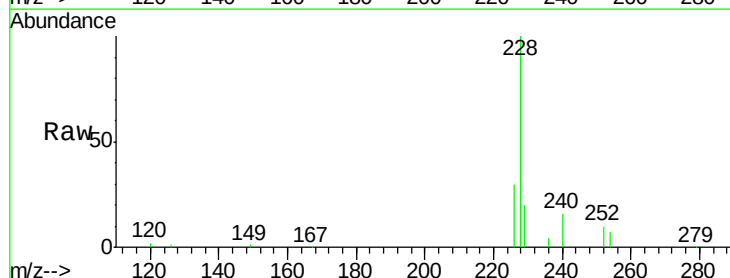
Tgt Ion:228 Resp: 113692

Ion Ratio Lower Upper

228 100

226 29.8 23.4 35.0

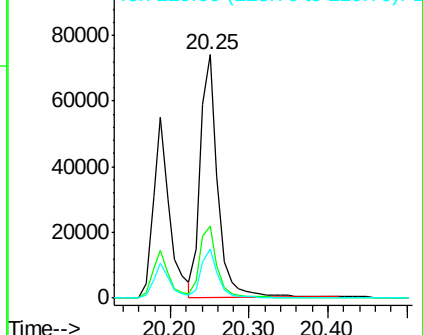
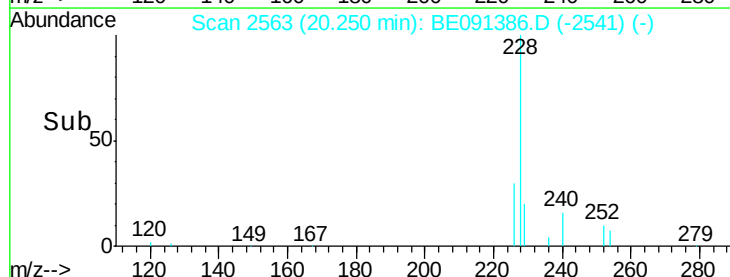
229 19.9 15.7 23.5

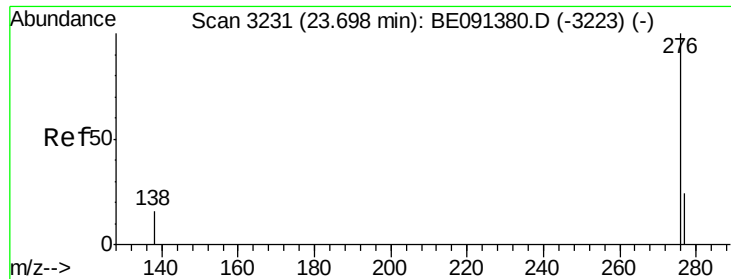


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#23

Indeno(1,2,3-cd)pyrene

Concen: 0.91 ng

RT: 23.70 min Scan# 3231

Delta R.T. 0.00 min

Lab File: BE091386.D

Acq: 4 Feb 2016 9:03

Instrument :

BNA_E

ClientSampleId :

DFTPP

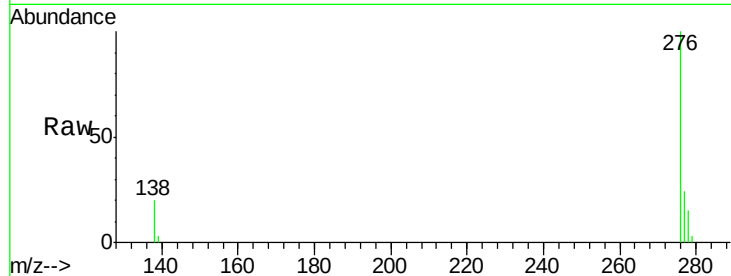
Tgt Ion:276 Resp: 80561

Ion Ratio Lower Upper

276 100

138 20.2 16.6 25.0

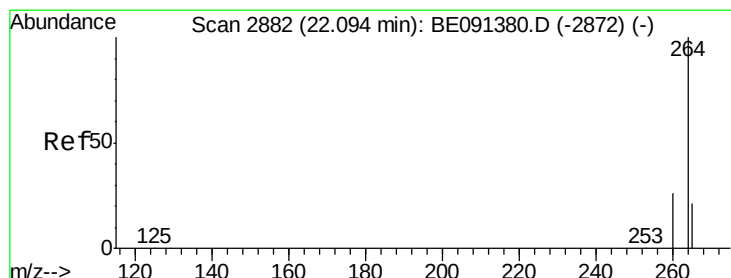
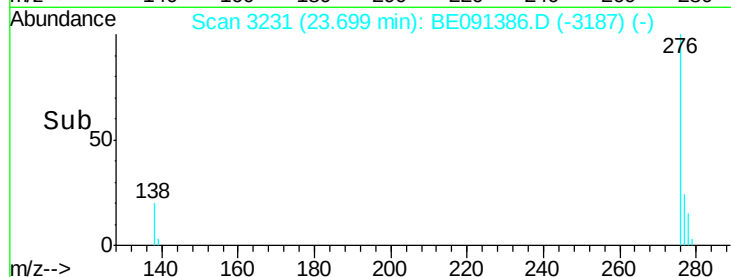
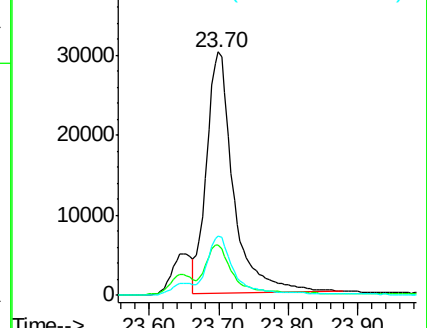
277 23.9 19.0 28.6



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



#24

Perylene-d12

Concen: 5.00 ng

RT: 22.09 min Scan# 2882

Delta R.T. 0.00 min

Lab File: BE091386.D

Acq: 4 Feb 2016 9:03

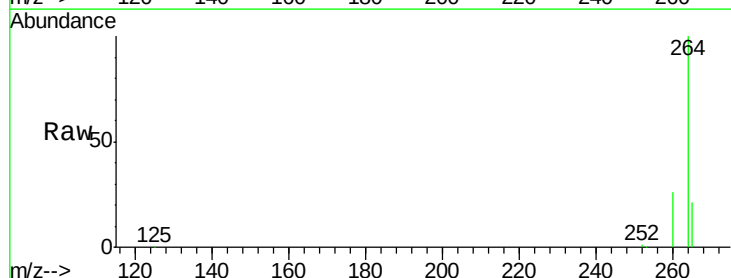
Tgt Ion:264 Resp: 428033

Ion Ratio Lower Upper

264 100

260 25.5 20.7 31.1

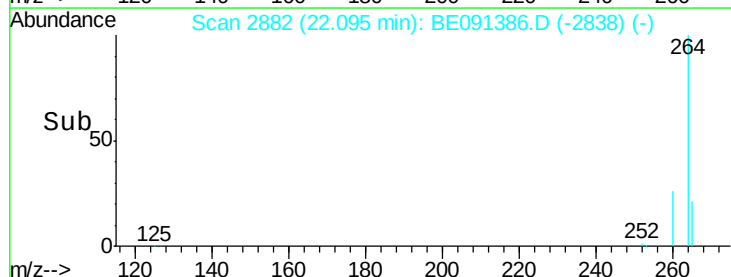
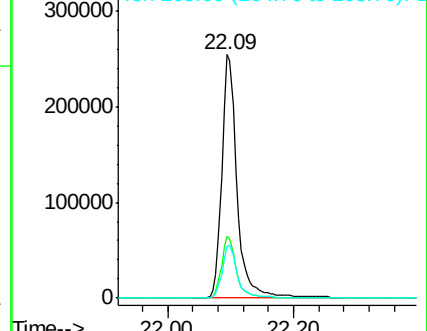
265 21.2 17.2 25.8

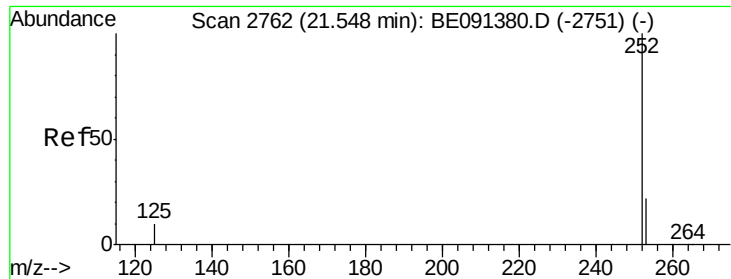


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

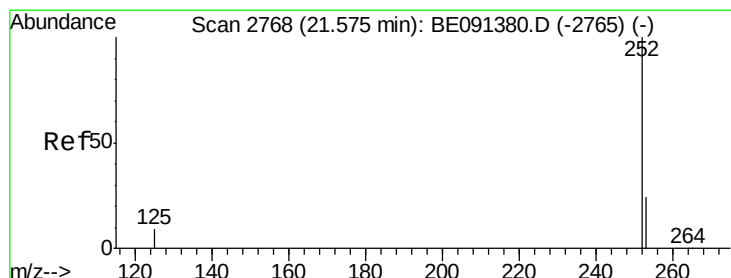
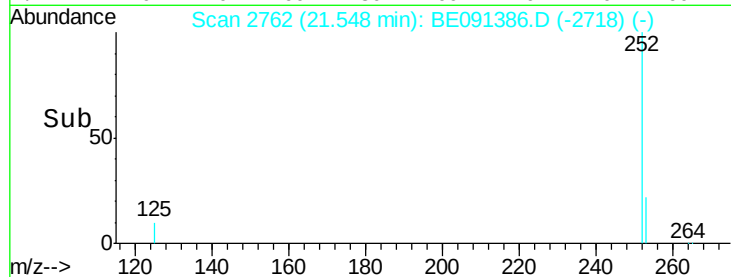
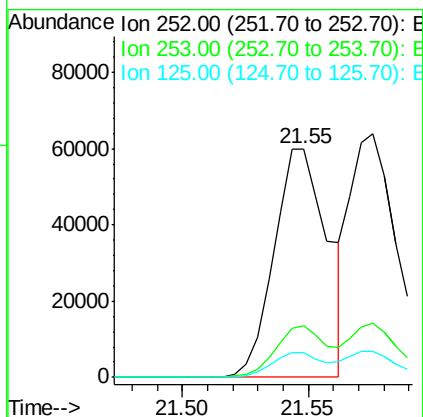
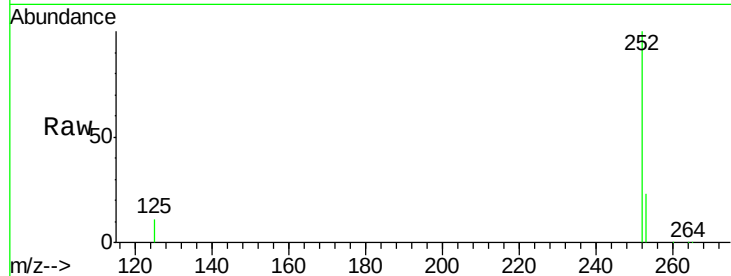




#25
Benzo(b)fluoranthene
Concen: 0.95 ng
RT: 21.55 min Scan# 2762
Delta R.T. 0.00 min
Lab File: BE091386.D
Acq: 4 Feb 2016 9:03

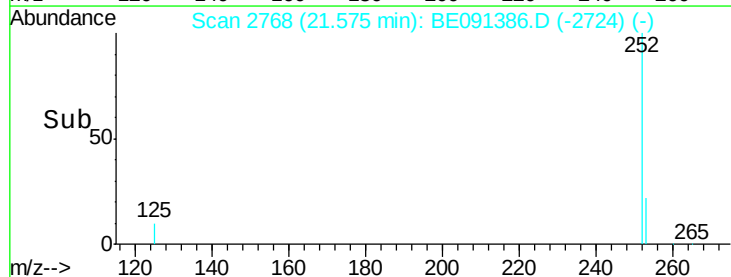
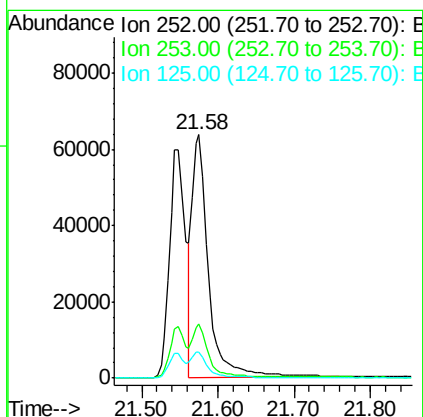
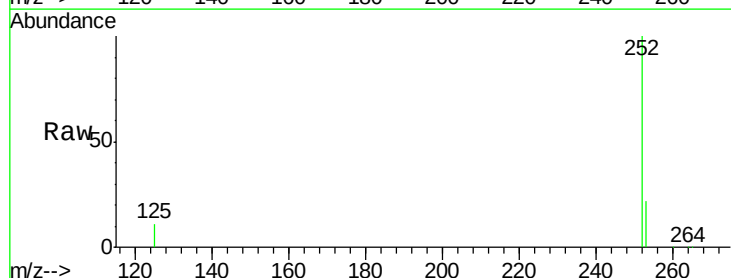
Instrument :
BNA_E
ClientSampleId :
DFTPP

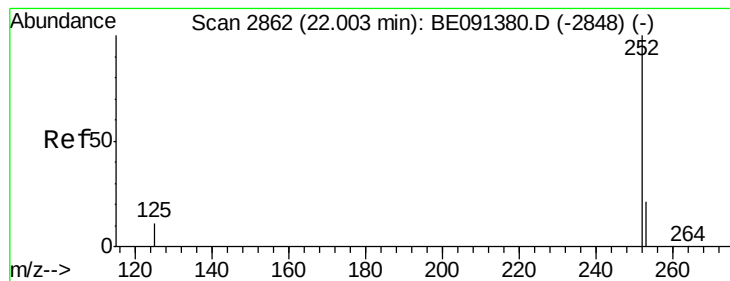
Tgt Ion:252 Resp: 87757
Ion Ratio Lower Upper
252 100
253 22.6 18.2 27.2
125 10.5 8.3 12.5



#26
Benzo(k)fluoranthene
Concen: 0.89 ng
RT: 21.58 min Scan# 2768
Delta R.T. 0.00 min
Lab File: BE091386.D
Acq: 4 Feb 2016 9:03

Tgt Ion:252 Resp: 93441
Ion Ratio Lower Upper
252 100
253 22.2 18.1 27.1
125 10.6 8.2 12.4





#27

Benzo(a)pyrene

Concen: 0.89 ng

RT: 22.00 min Scan# 2862

Delta R.T. 0.00 min

Lab File: BE091386.D

Acq: 4 Feb 2016 9:03

Instrument :

BNA_E

ClientSampled :

DFTPP

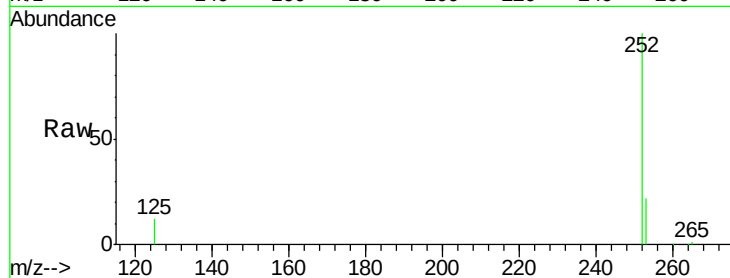
Tgt Ion:252 Resp: 73664

Ion Ratio Lower Upper

252 100

253 22.0 17.5 26.3

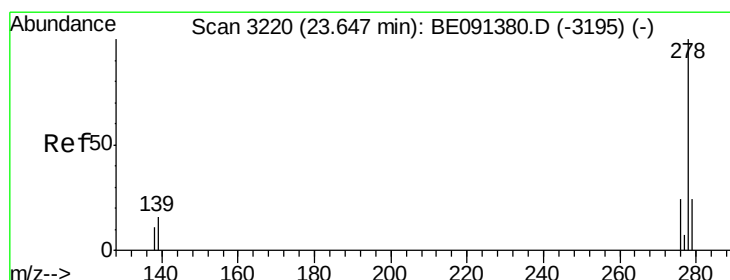
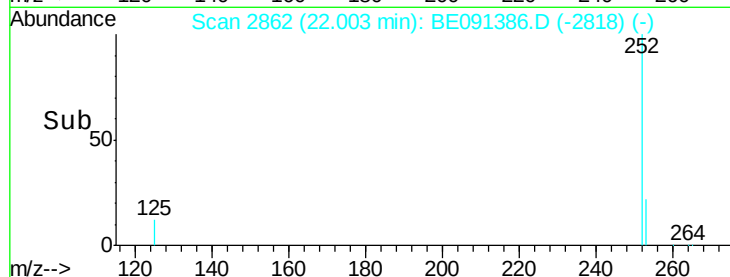
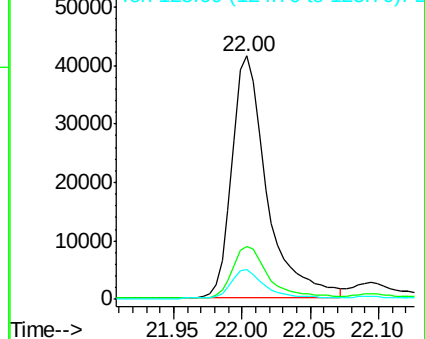
125 12.2 9.4 14.0



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

Dibenzo(a,h)anthracene

Concen: 0.92 ng

RT: 23.65 min Scan# 3220

Delta R.T. 0.00 min

Lab File: BE091386.D

Acq: 4 Feb 2016 9:03

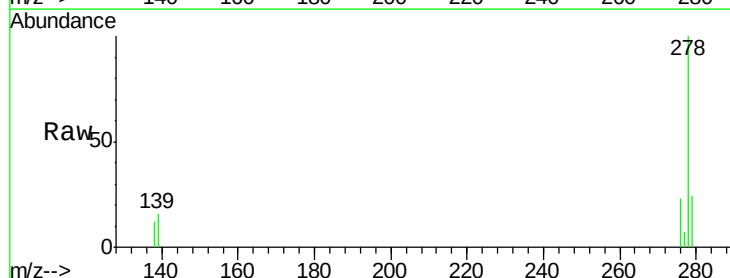
Tgt Ion:278 Resp: 69026

Ion Ratio Lower Upper

278 100

139 16.3 13.0 19.4

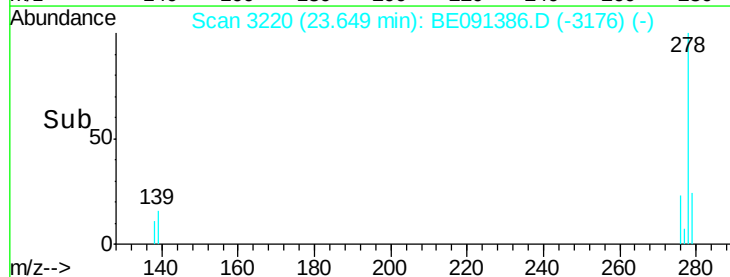
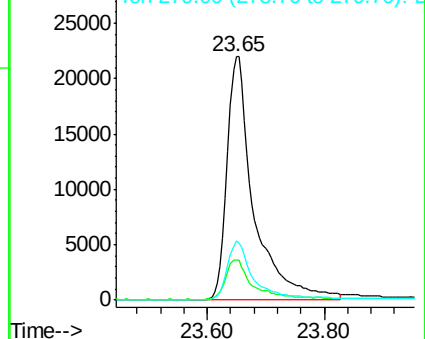
279 24.1 19.2 28.8

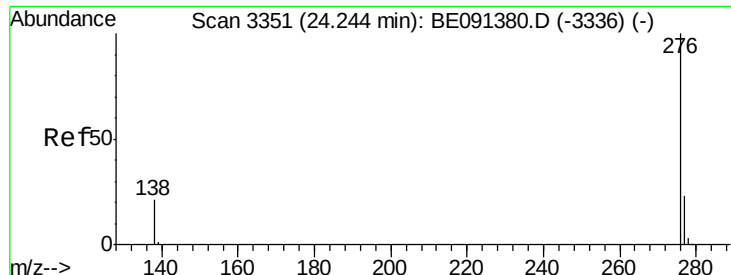


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#29

Benzo(g,h,i)perylene

Concen: 0.93 ng

RT: 24.25 min Scan# 3351

Delta R.T. 0.00 min

Lab File: BE091386.D

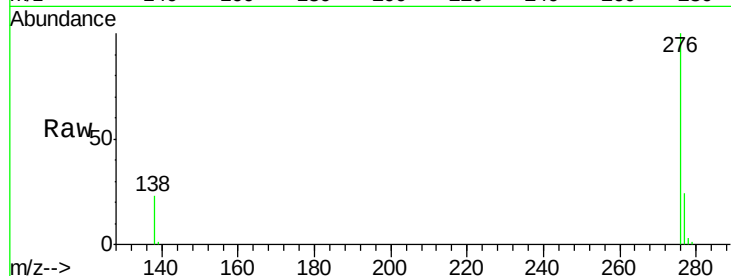
Acq: 4 Feb 2016 9:03

Instrument :

BNA_E

ClientSampleId :

DFTPP



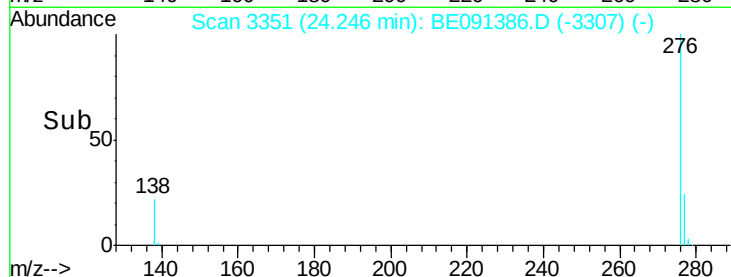
Tgt Ion: 276 Resp: 85942

Ion Ratio Lower Upper

276 100

277 24.0 18.9 28.3

138 22.6 17.0 25.6



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

