

Data Path : Z:\HPCHEM1\BNA E\DATA\BE020718\  
 Data File : BE095552.D  
 Acq On : 7 Feb 2018 14:41  
 Operator : SJ/JU  
 Sample : PB106170BL  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 PB106170BL

Quant Time: Feb 08 02:02:57 2018  
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE020618.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Feb 06 20:27:34 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.43  | 152  | 1248     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8           | 11.28 | 136  | 4537     | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10        | 15.00 | 164  | 2375     | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10        | 17.71 | 188  | 5738     | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12            | 21.81 | 240  | 5807     | 0.40 | ng    | 0.02     |
| 34) Perylene-d12            | 24.43 | 264  | 5360     | 0.40 | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |      |       |          |
| 4) 2-Fluorophenol           | 5.92  | 112  | 1267     | 0.34 | ng    | 0.00     |
| 5) Phenol-d6                | 7.56  | 99   | 1656     | 0.32 | ng    | 0.00     |
| 8) Nitrobenzene-d5          | 9.61  | 82   | 1721     | 0.36 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10 | 12.80 | 152  | 2620     | 0.35 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol    | 16.47 | 330  | 215      | 0.20 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl        | 13.65 | 172  | 4281     | 0.42 | ng    | 0.00     |
| 25) Fluoranthene-d10        | 19.69 | 212  | 27402    | 0.36 | ng    | 0.00     |
| 29) Terphenyl-d14           | 20.25 | 244  | 5130     | 0.41 | ng    | 0.00     |

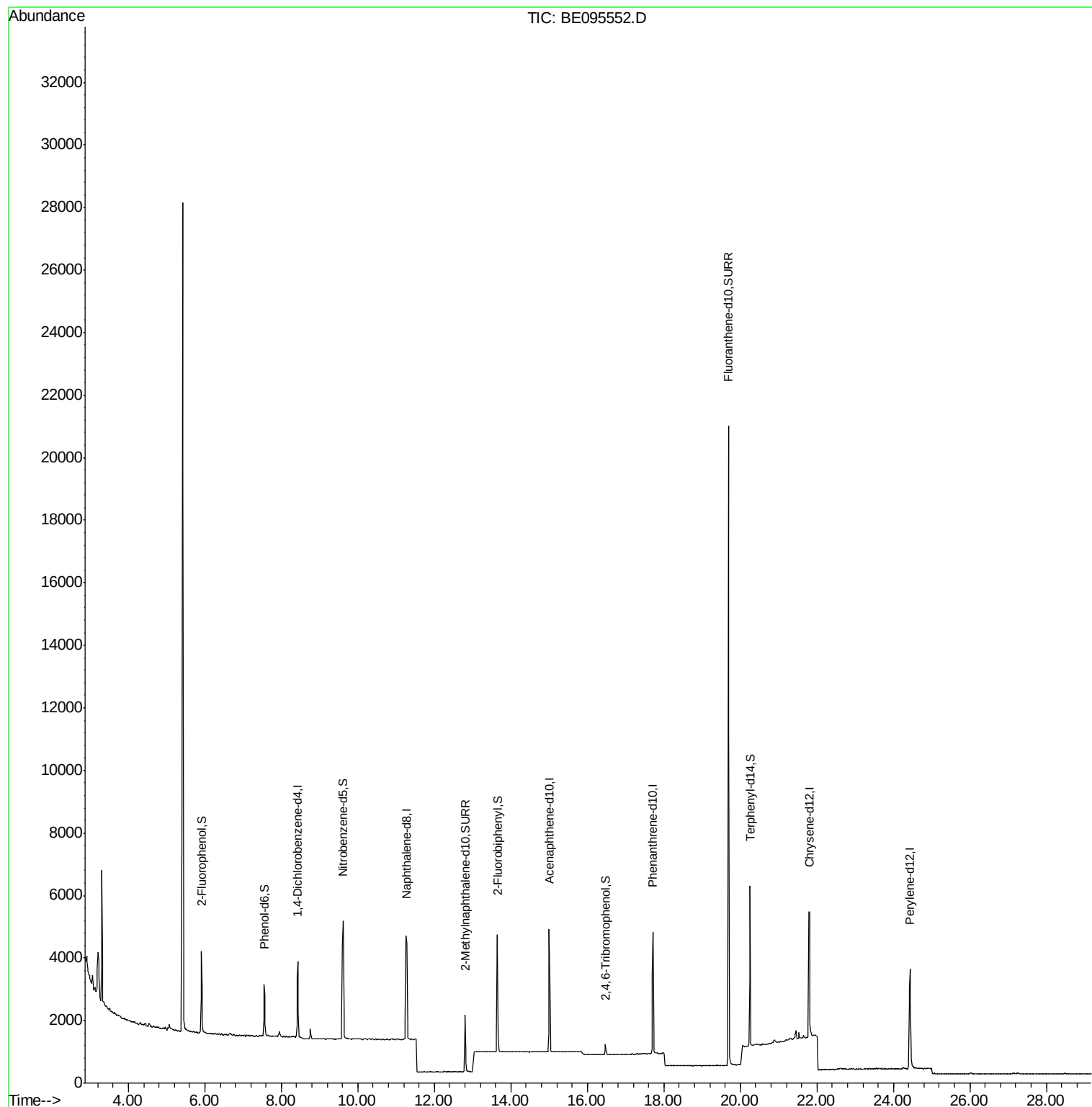
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

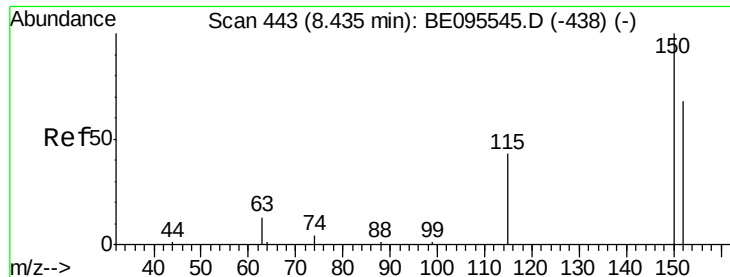
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 8.43 min Scan# 443

Delta R.T. -0.00 min

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Instrument :

BNA\_E

ClientSampleId :

PB106170BL

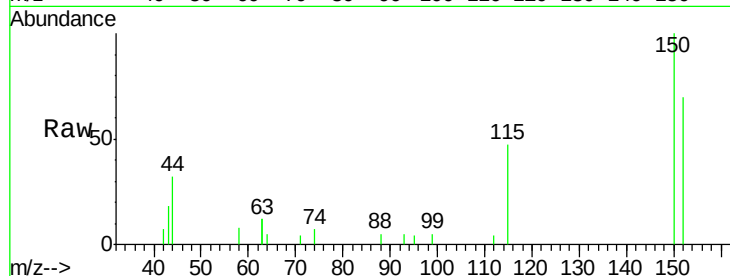
Tot Ion:152 Resp: 1248

Ion Ratio Lower Upper

152 100

150 142.6 117.2 175.8

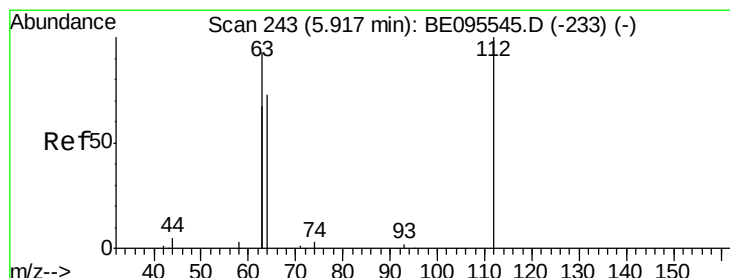
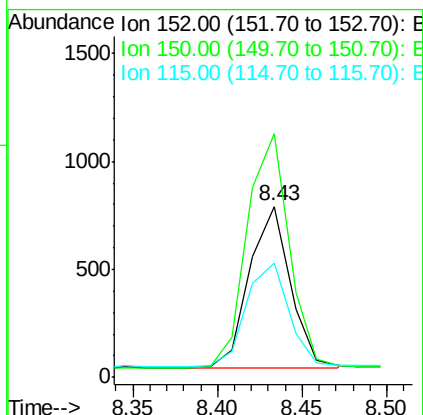
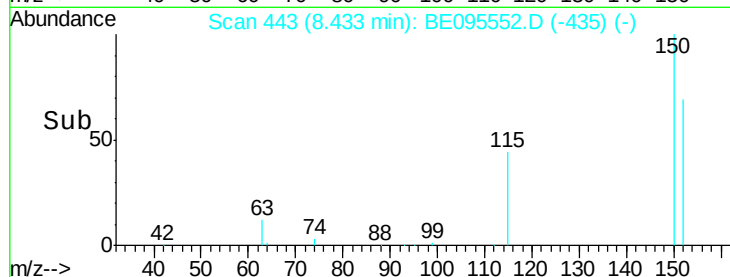
115 66.9 57.0 85.6



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



#4

2-Fluorophenol

Concen: 0.336 ng

RT: 5.92 min Scan# 243

Delta R.T. -0.00 min

Lab File: BE095552.D

Acq: 7 Feb 2018 14:41

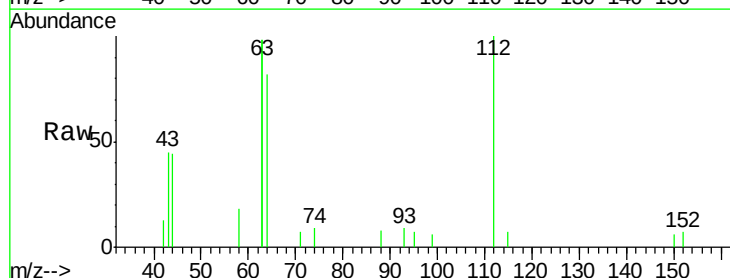
Tgt Ion:112 Resp: 1267

Ion Ratio Lower Upper

112 100

64 74.2 60.1 90.1

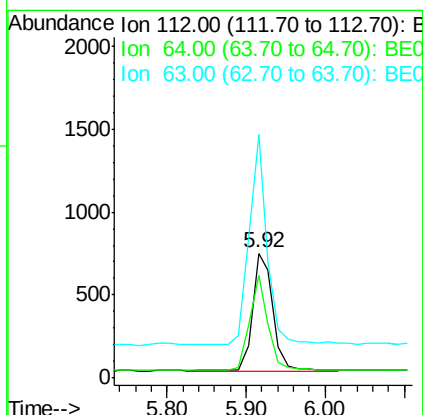
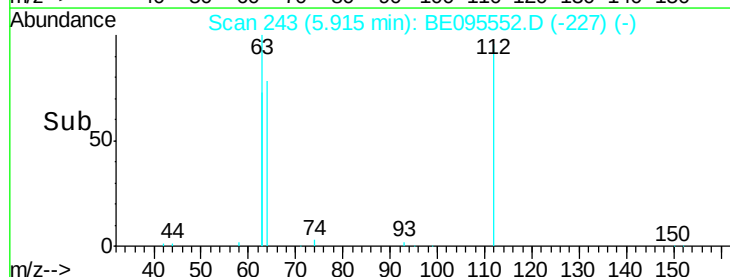
63 162.3 116.8 175.2

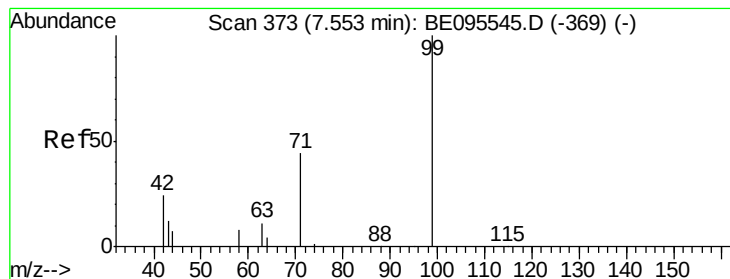


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.318 ng

RT: 7.56 min Scan# 374

Delta R.T. -0.00 min

Lab File: BE095552.D

Acq: 7 Feb 2018 14:41

Instrument :

BNA\_E

ClientSampleId :

PB106170BL

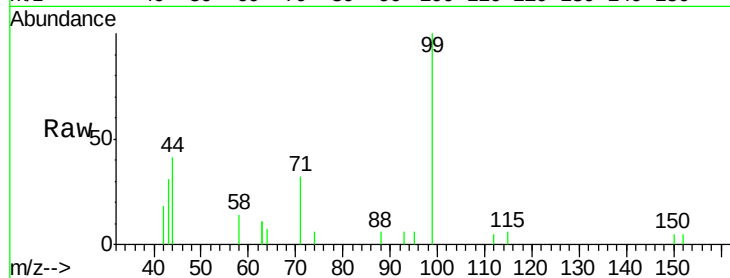
Tot Ion: 99 Resp: 1656

Ion Ratio Lower Upper

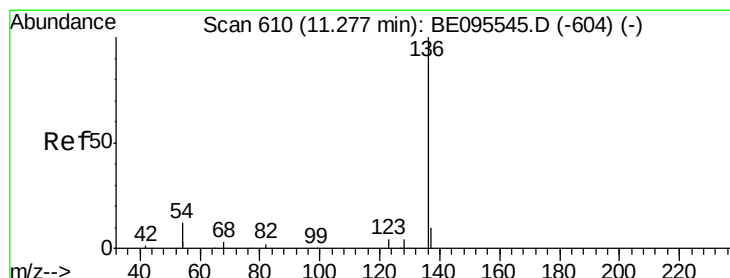
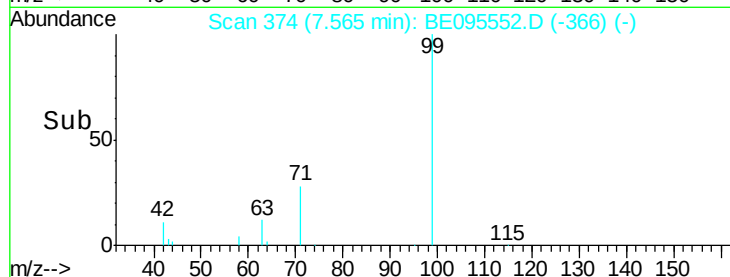
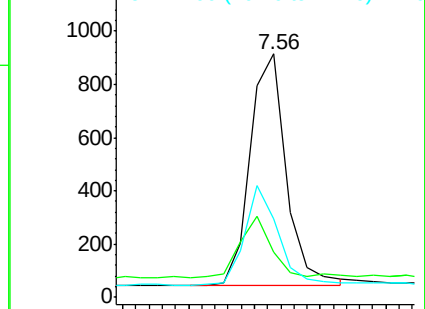
99 100

42 23.2 20.2 30.2

71 40.0 28.4 42.6



Abundance Ion 99.00 (98.70 to 99.70): BE0  
Ion 42.00 (41.70 to 42.70): BE0  
Ion 71.00 (70.70 to 71.70): BE0



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 11.28 min Scan# 610

Delta R.T. -0.00 min

Lab File: BE095552.D

Acq: 7 Feb 2018 14:41

Tgt Ion: 136 Resp: 4537

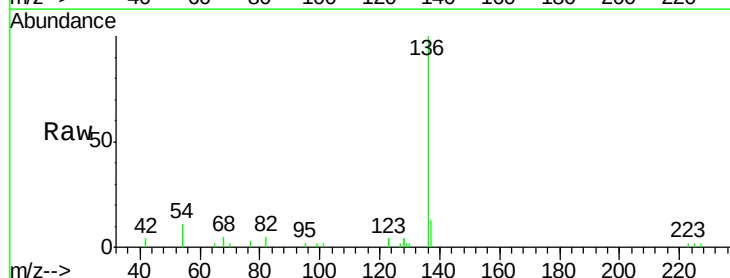
Ion Ratio Lower Upper

136 100

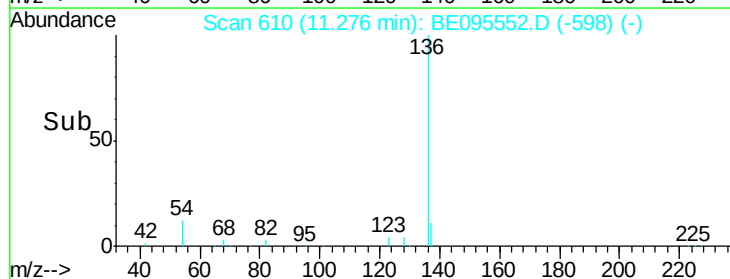
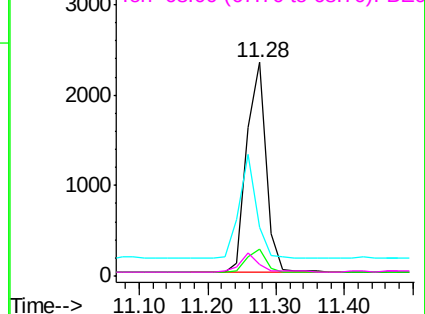
137 12.6 9.5 14.3

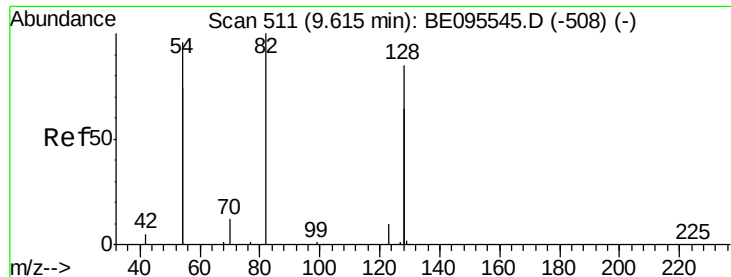
54 22.9 29.1 43.7#

68 5.3 6.2 9.2#



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  
Ion 68.00 (67.70 to 68.70): BE0





#8

Nitrobenzene-d5

Concen: 0.358 ng

RT: 9.61 min Scan# 511

Delta R.T. -0.00 min

Lab File: BE095552.D

Acq: 7 Feb 2018 14:41

Instrument :

BNA\_E

ClientSampleId :

PB106170BL

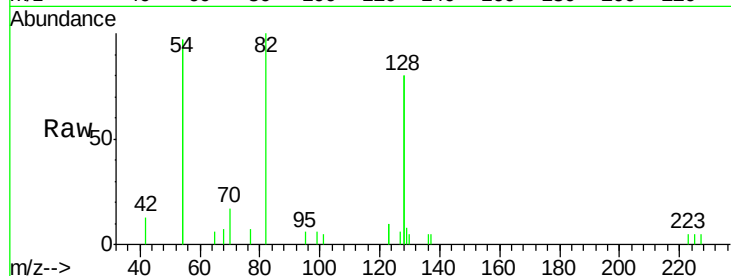
Tot Ion: 82 Resp: 1721

Ion Ratio Lower Upper

82 100

128 160.1 150.0 225.0

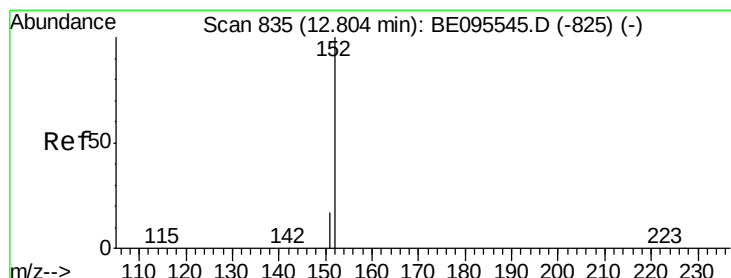
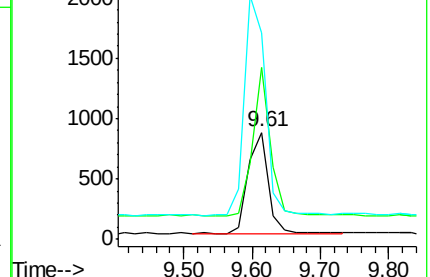
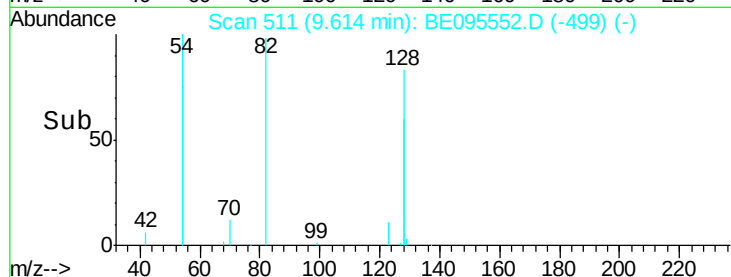
54 193.0 154.2 231.4



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



#11

2-Methylnaphthalene-d10

Concen: 0.349 ng

RT: 12.80 min Scan# 835

Delta R.T. -0.00 min

Lab File: BE095552.D

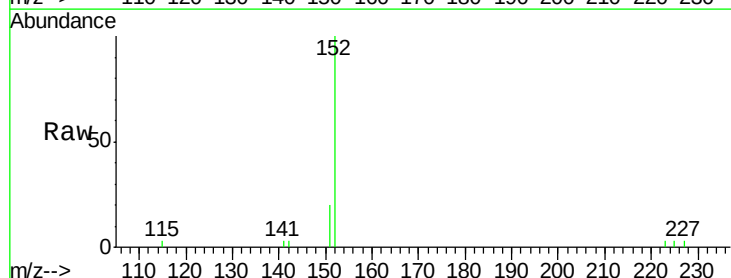
Acq: 7 Feb 2018 14:41

Tgt Ion: 152 Resp: 2620

Ion Ratio Lower Upper

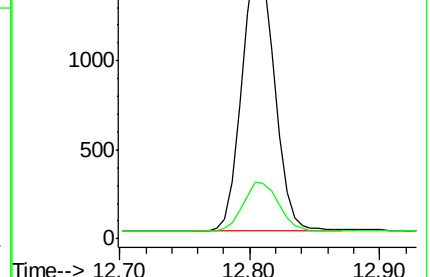
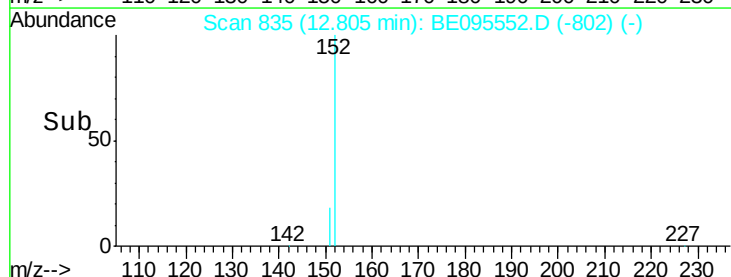
152 100

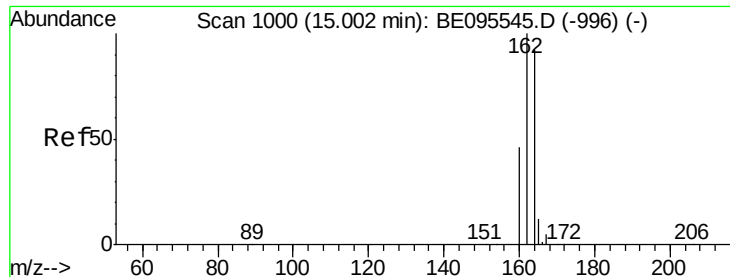
151 19.6 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): BE0

Ion 151.00 (150.70 to 151.70): BE0





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 15.00 min Scan# 1000

Delta R.T. -0.00 min

Lab File: BE095552.D

Acq: 7 Feb 2018 14:41

Instrument :

BNA\_E

ClientSampleId :

PB106170BL

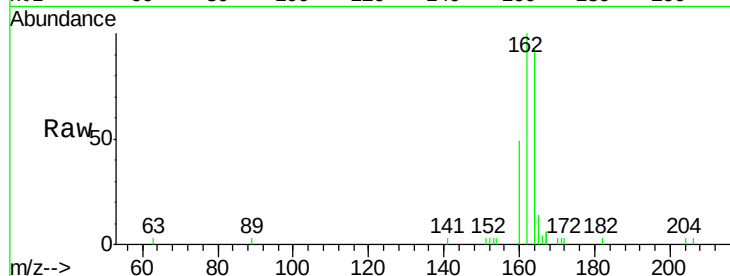
Tot Ion:164 Resp: 2375

Ion Ratio Lower Upper

164 100

162 109.1 83.1 124.7

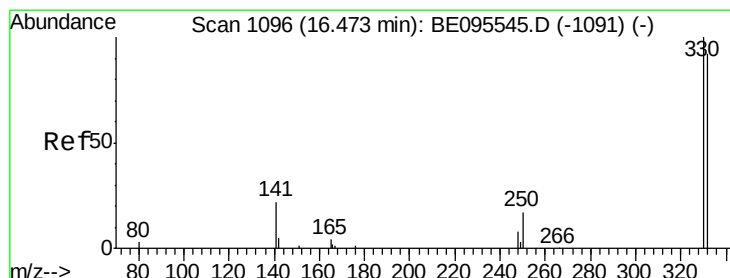
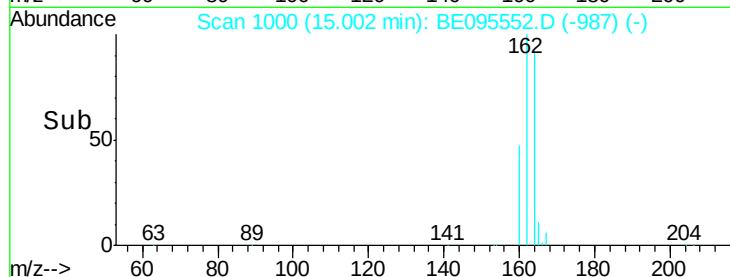
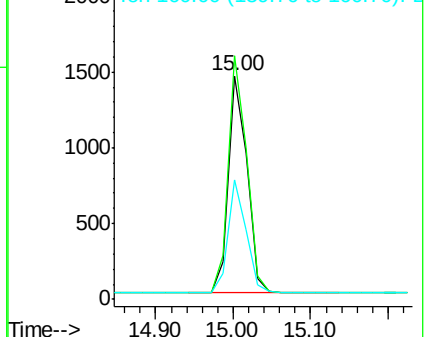
160 53.3 37.1 55.7



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



#14

2,4,6-Tribromophenol

Concen: 0.199 ng

RT: 16.47 min Scan# 1096

Delta R.T. 0.00 min

Lab File: BE095552.D

Acq: 7 Feb 2018 14:41

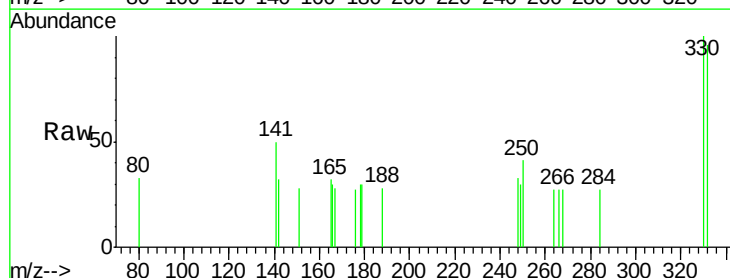
Tgt Ion:330 Resp: 215

Ion Ratio Lower Upper

330 100

332 95.8 152.7 229.1#

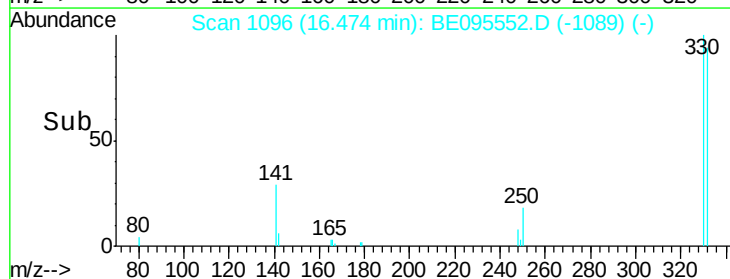
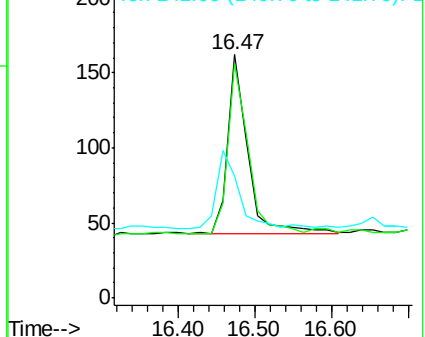
141 50.7 33.7 50.5#

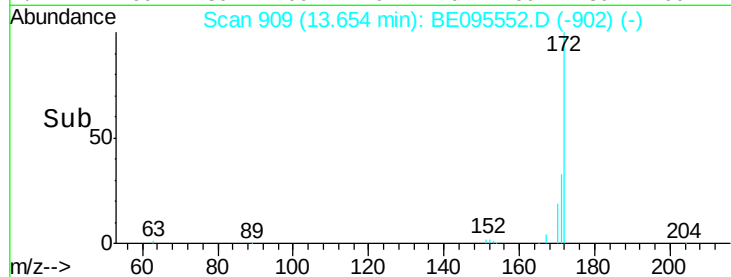
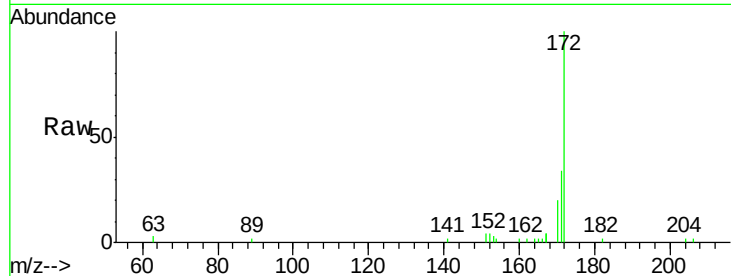
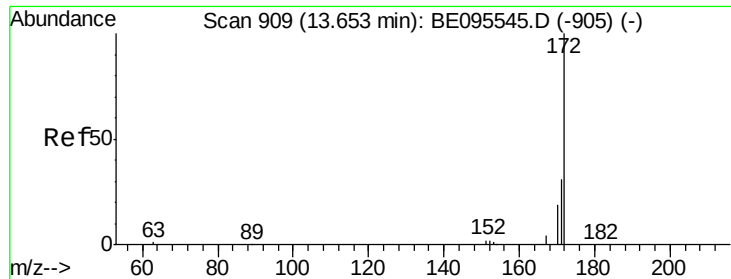


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

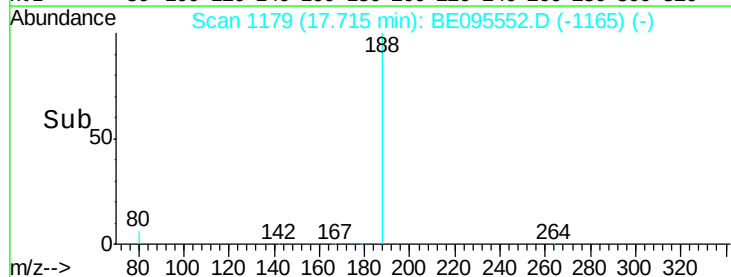
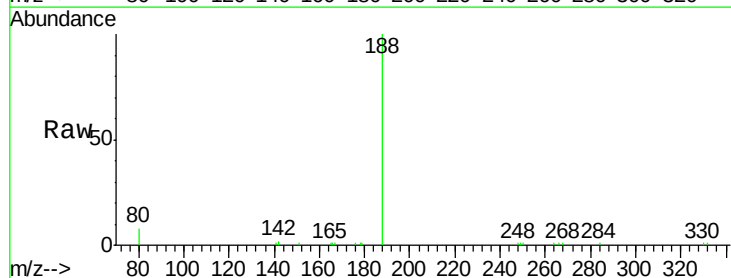
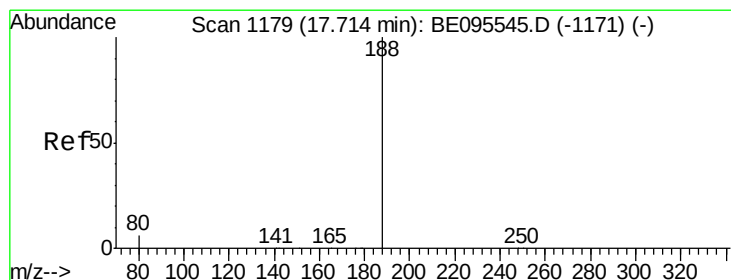
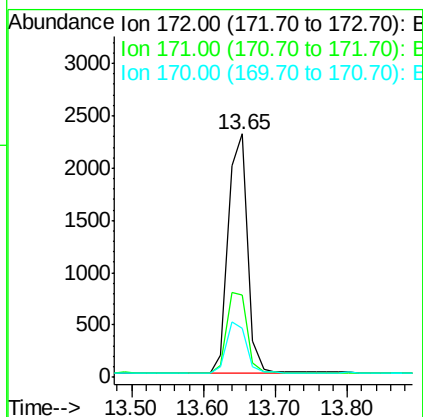




#15  
2-Fluorobiphenyl  
Concen: 0.418 ng  
RT: 13.65 min Scan# 909  
Delta R.T. -0.00 min  
Lab File: BE095552.D  
Acq: 7 Feb 2018 14:41

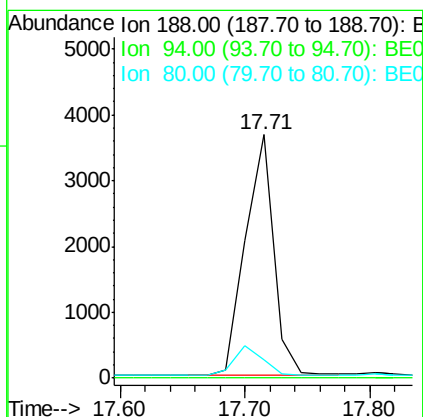
Instrument :  
BNA\_E  
ClientSampleId :  
PB106170BL

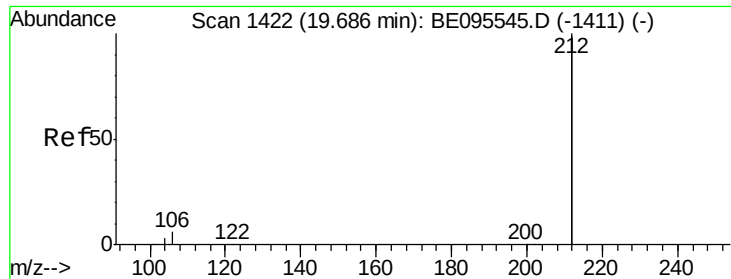
Tot Ion:172 Resp: 4281  
Ion Ratio Lower Upper  
172 100  
171 34.0 29.9 44.9  
170 20.3 21.8 32.8#



#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.71 min Scan# 1179  
Delta R.T. 0.00 min  
Lab File: BE095552.D  
Acq: 7 Feb 2018 14:41

Tgt Ion:188 Resp: 5738  
Ion Ratio Lower Upper  
188 100  
94 0.0 3.9 5.9#  
80 7.5 3.6 5.4#





#25

Fluoranthene-d10

Concen: 0.363 ng

RT: 19.69 min Scan# 1423

Delta R.T. 0.01 min

Lab File: BE095552.D

Acq: 7 Feb 2018 14:41

Instrument :

BNA\_E

ClientSampleId :

PB106170BL

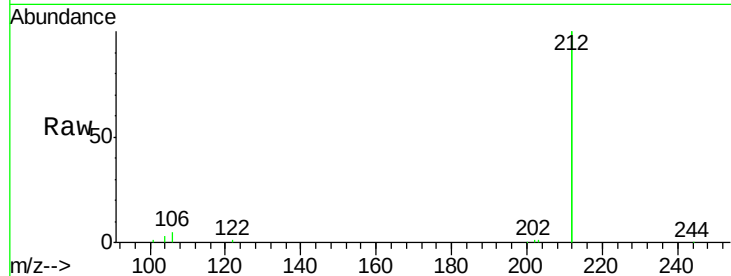
Tot Ion:212 Resp: 27402

Ion Ratio Lower Upper

212 100

106 2.9 2.8 4.2

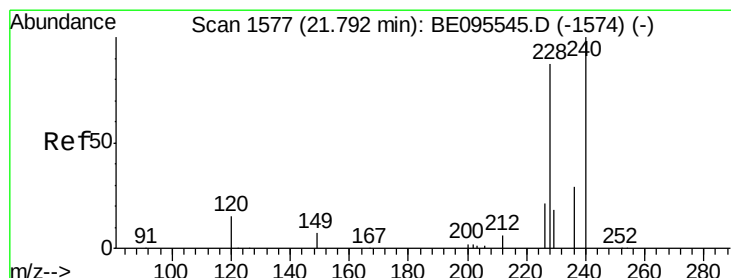
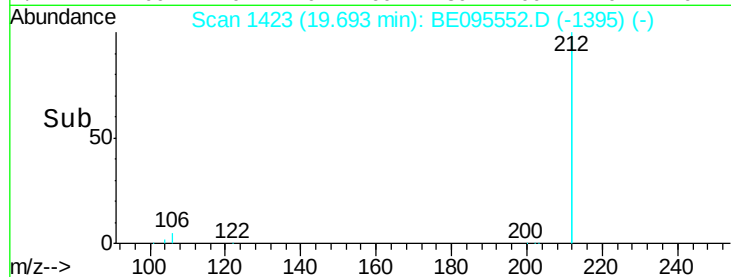
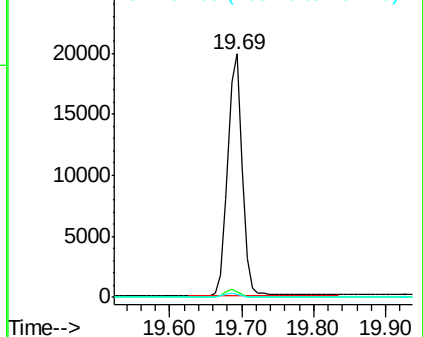
104 1.7 1.6 2.4



Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.81 min Scan# 1578

Delta R.T. 0.02 min

Lab File: BE095552.D

Acq: 7 Feb 2018 14:41

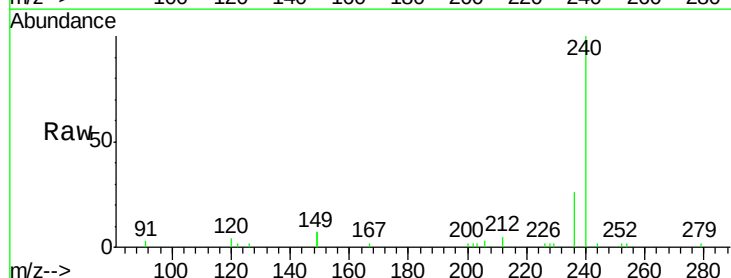
Tgt Ion:240 Resp: 5807

Ion Ratio Lower Upper

240 100

120 4.3 5.5 8.3#

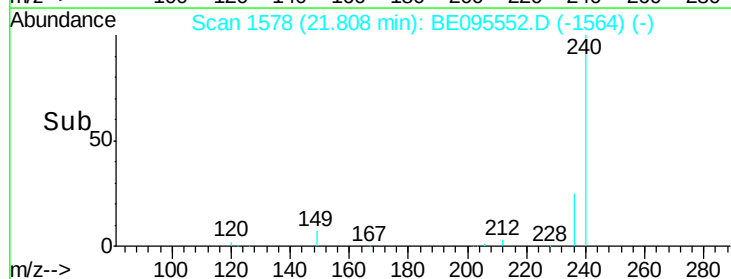
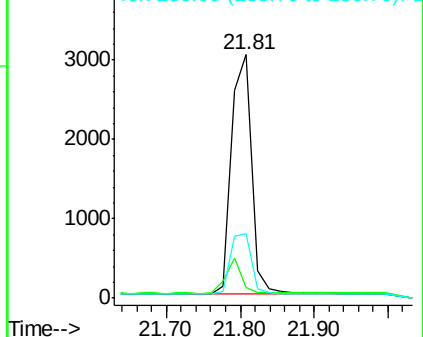
236 26.4 20.7 31.1



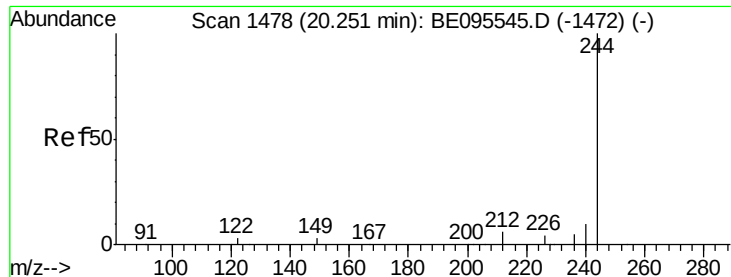
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E







#29

Terphenyl-d14

Concen: 0.415 ng

RT: 20.25 min Scan# 1478

Delta R.T. -0.00 min

Lab File: BE095552.D

Acq: 7 Feb 2018 14:41

Instrument :

BNA\_E

ClientSampleId :

PB106170BL

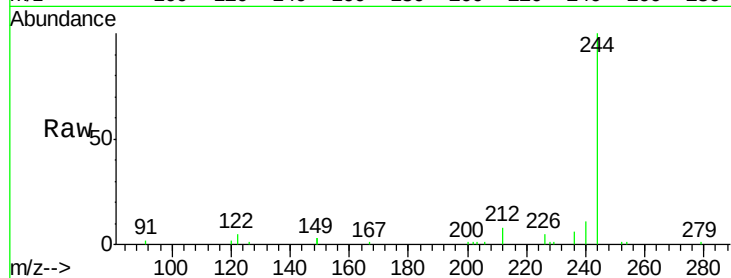
Tot Ion:244 Resp: 5130

Ion Ratio Lower Upper

244 100

212 7.9 25.4 38.0#

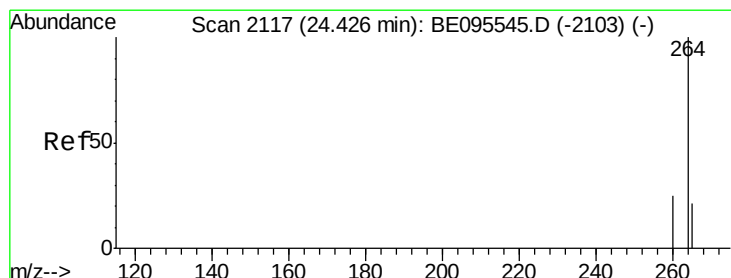
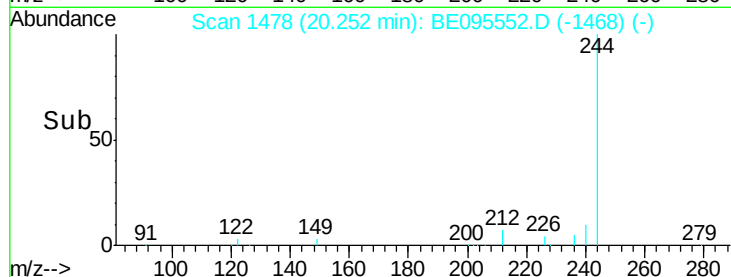
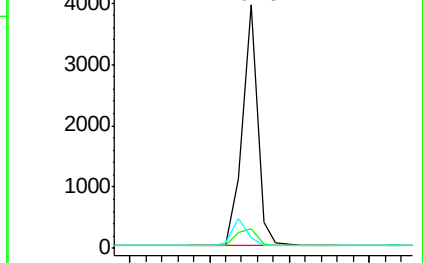
122 4.5 8.1 12.1#



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



#34

Perylene-d12

Concen: 0.400 ng

RT: 24.43 min Scan# 2118

Delta R.T. 0.00 min

Lab File: BE095552.D

Acq: 7 Feb 2018 14:41

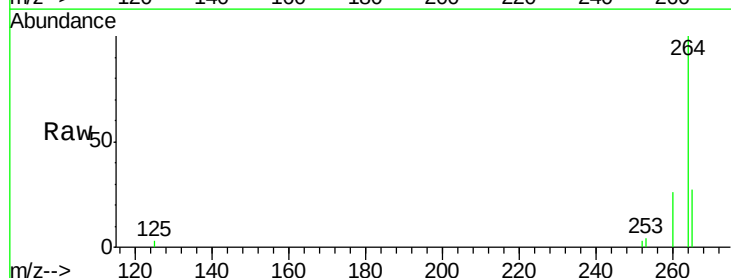
Tgt Ion:264 Resp: 5360

Ion Ratio Lower Upper

264 100

260 25.7 20.5 30.7

265 26.7 22.8 34.2



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

