

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF111517\  
 Data File : BF100592.D  
 Acq On : 15 Nov 2017 17:05  
 Operator : SJ/JU  
 Sample : I6448-01  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 EPE-120-2(10-12)

Quant Time: Nov 16 04:18:10 2017  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF110817.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Nov 15 13:27:38 2017  
 Response via : Initial Calibration

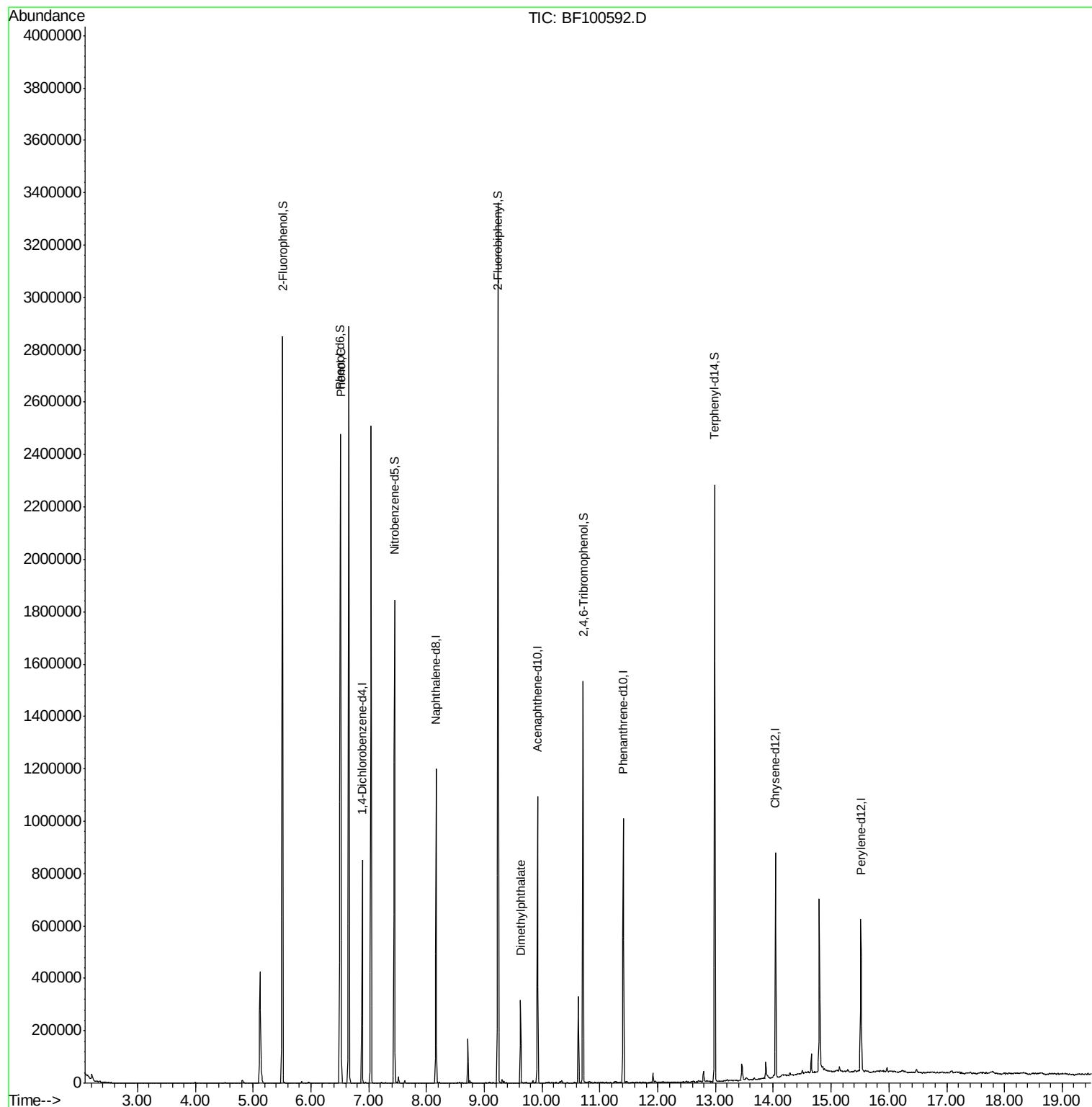
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.89  | 152  | 134150   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.16  | 136  | 516306   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 9.92  | 164  | 218987   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.40 | 188  | 328039   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 14.04 | 240  | 276594   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12            | 15.52 | 264  | 264692   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.51  | 112  | 887310   | 106.03 | ng    | 0.01     |
| 7) Phenol-d6                | 6.51  | 99   | 1079749  | 104.63 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.45  | 82   | 677787   | 86.79  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 10.71 | 330  | 210731   | 94.44  | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.24  | 172  | 1148109  | 79.83  | ng    | 0.00     |
| 78) Terphenyl-d14           | 12.99 | 244  | 748890   | 62.21  | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       |          |
| 10) Phenol                  | 6.52  | 94   | 59012    | 5.447  | ng    | 98       |
| 49) Dimethylphthalate       | 9.63  | 163  | 111098   | 6.645  | ng    | 99       |

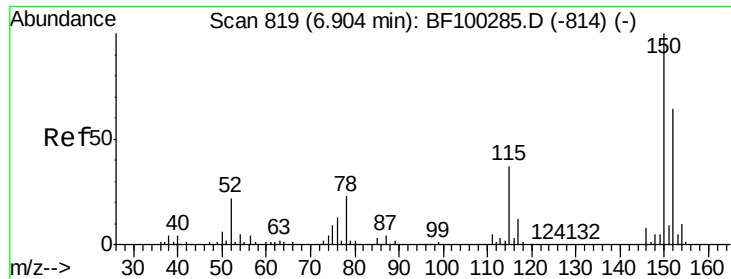
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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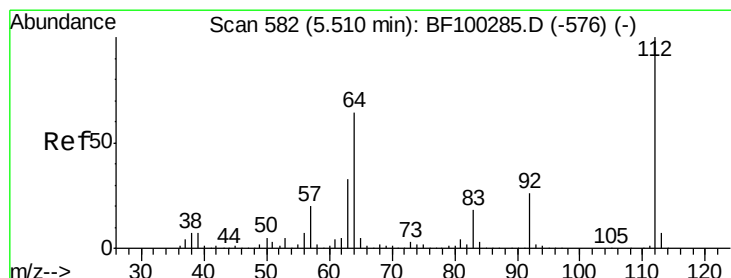
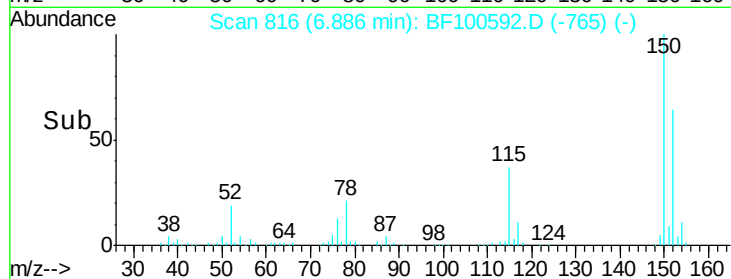
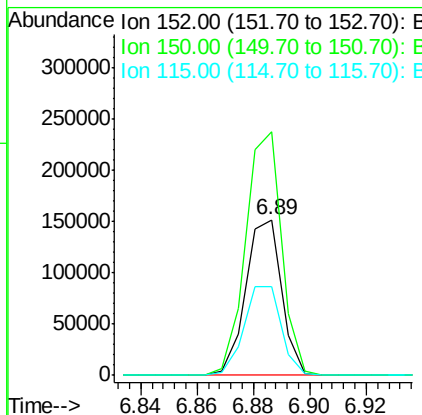
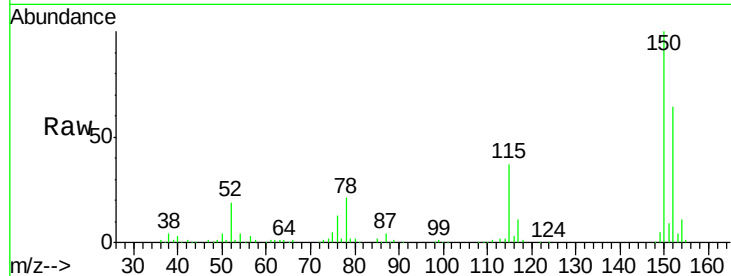


#1

1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.89 min Scan# 816  
 Delta R.T. 0.00 min  
 Lab File: BF100592.D  
 Acq: 15 Nov 2017 17:05

Instrument :  
 BNA\_F  
 ClientSampleId :  
 EPE-120-2(10-12)

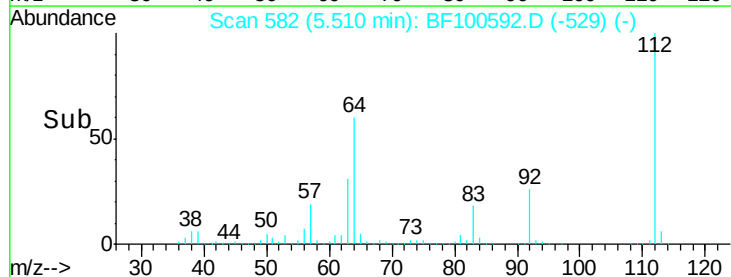
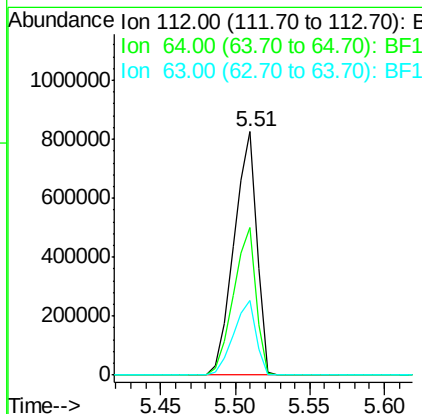
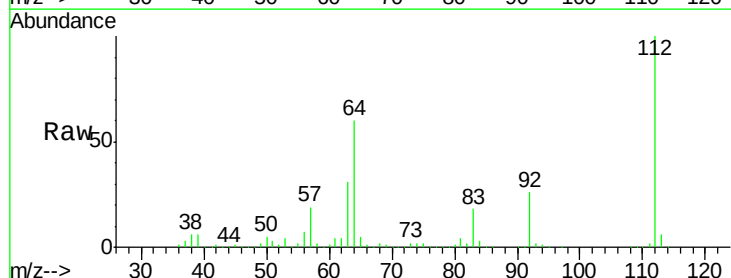
Tgt Ion:152 Resp: 134150  
 Ion Ratio Lower Upper  
 152 100  
 150 156.3 124.6 186.8  
 115 57.3 50.1 75.1

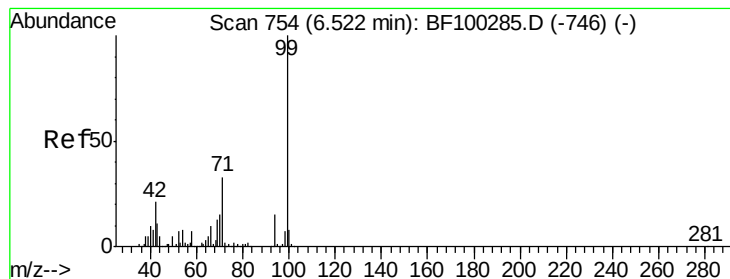


#5

2-Fluorophenol  
 Concen: 106.027 ng  
 RT: 5.51 min Scan# 582  
 Delta R.T. 0.01 min  
 Lab File: BF100592.D  
 Acq: 15 Nov 2017 17:05

Tgt Ion:112 Resp: 887310  
 Ion Ratio Lower Upper  
 112 100  
 64 60.4 47.9 71.9  
 63 30.6 23.7 35.5





#7

Phenol-d6

Concen: 104.629 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

Lab File: BF100592.D

Acq: 15 Nov 2017 17:05

Instrument :

BNA\_F

ClientSampleId :

EPE-120-2(10-12)

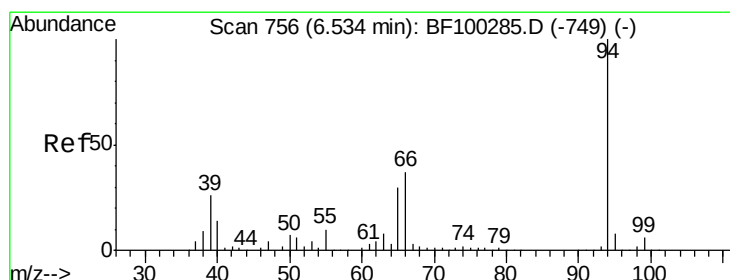
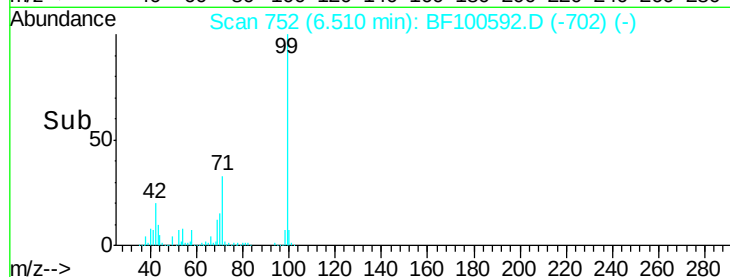
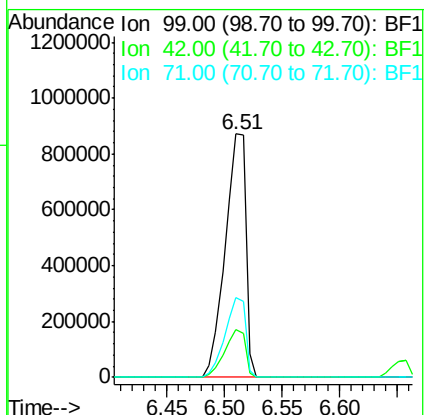
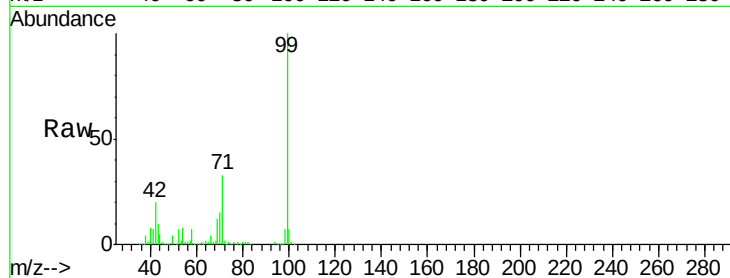
Tgt Ion: 99 Resp: 1079749

Ion Ratio Lower Upper

99 100

42 19.8 14.5 21.7

71 32.8 25.4 38.0



#10

Phenol

Concen: 5.447 ng

RT: 6.52 min Scan# 754

Delta R.T. -0.01 min

Lab File: BF100592.D

Acq: 15 Nov 2017 17:05

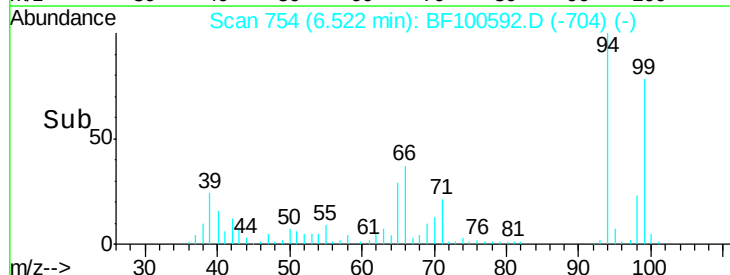
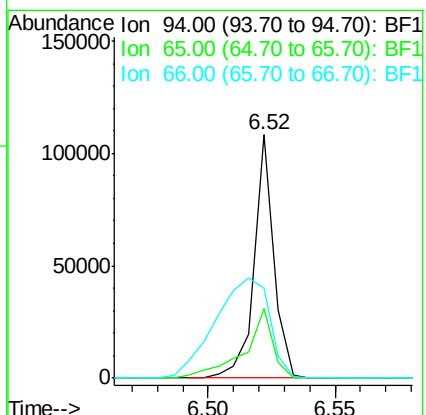
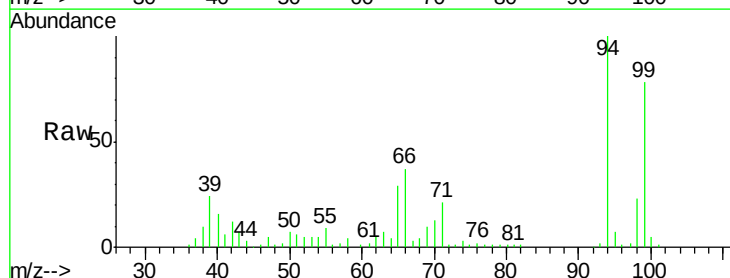
Tgt Ion: 94 Resp: 59012

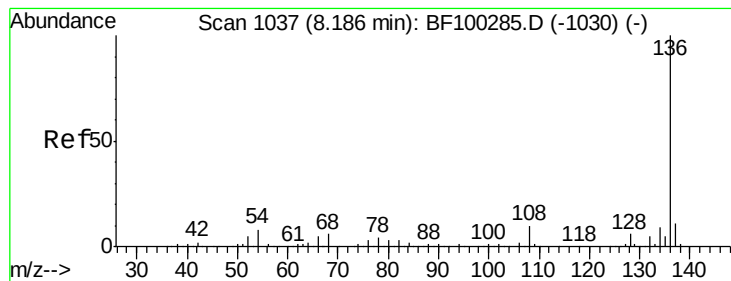
Ion Ratio Lower Upper

94 100

65 28.6 7.9 47.9

66 37.2 16.2 56.2





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.16 min Scan# 1033

Delta R.T. -0.01 min

Lab File: BF100592.D

Acq: 15 Nov 2017 17:05

Instrument :

BNA\_F

ClientSampleId :

EPE-120-2(10-12)

Tgt Ion: 136 Resp: 516306

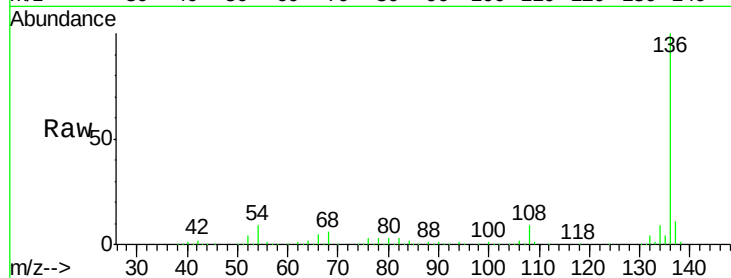
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 8.7 6.6 9.8

68 6.4 5.0 7.4

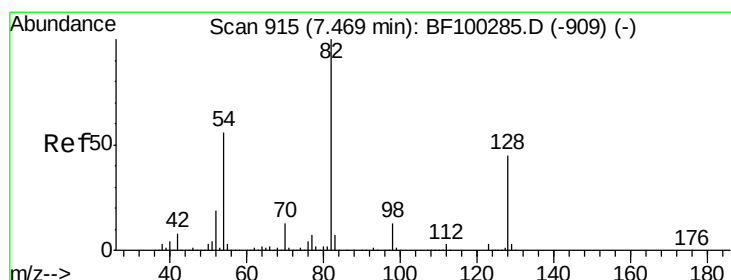
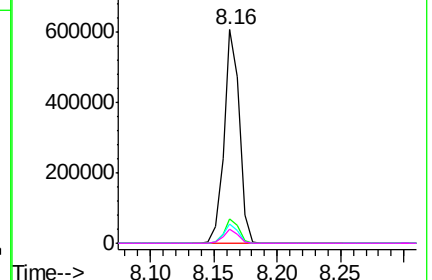
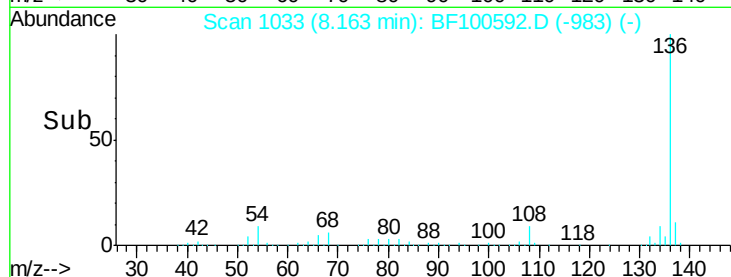


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 86.791 ng

RT: 7.45 min Scan# 911

Delta R.T. -0.01 min

Lab File: BF100592.D

Acq: 15 Nov 2017 17:05

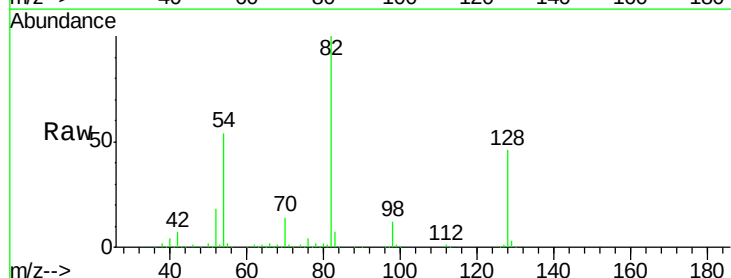
Tgt Ion: 82 Resp: 677787

Ion Ratio Lower Upper

82 100

128 45.6 36.1 54.1

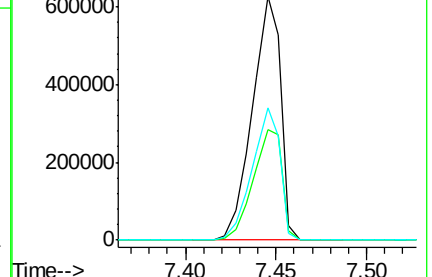
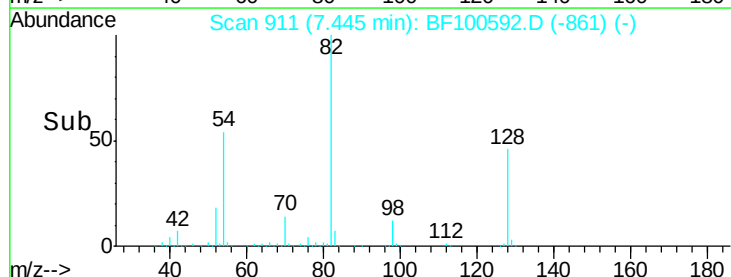
54 54.1 41.4 62.2

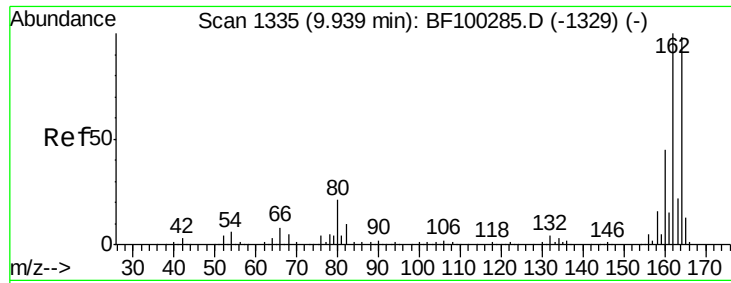


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

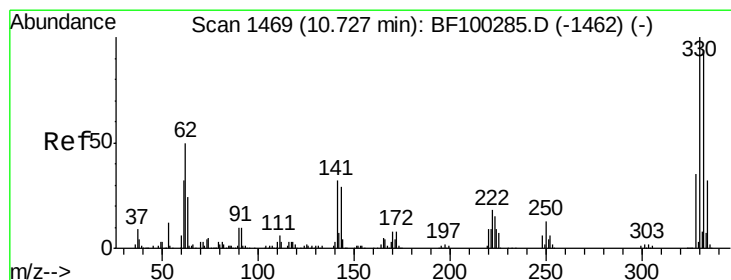
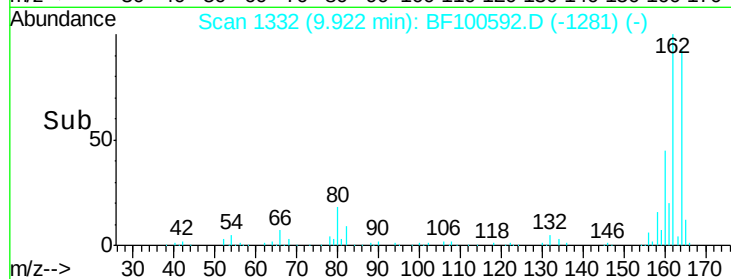
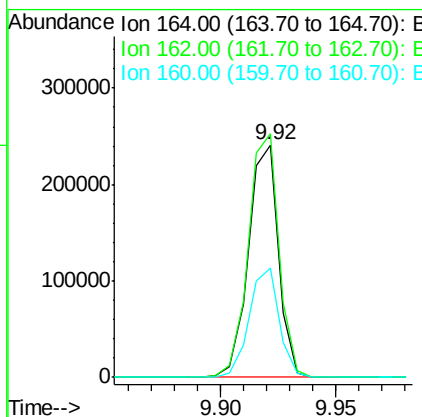
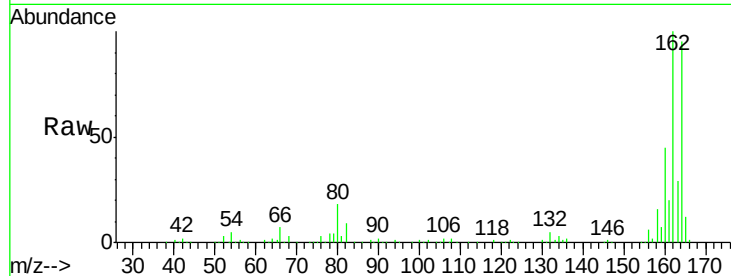




#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.92 min Scan# 1332  
 Delta R.T. 0.00 min  
 Lab File: BF100592.D  
 Acq: 15 Nov 2017 17:05

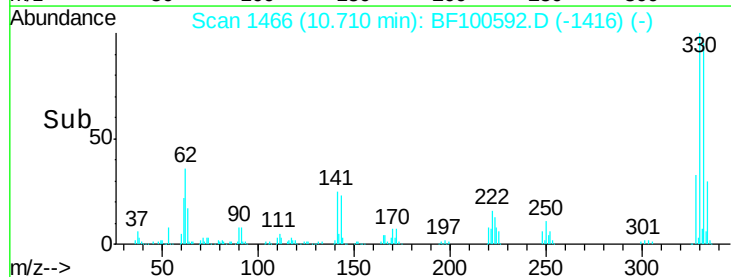
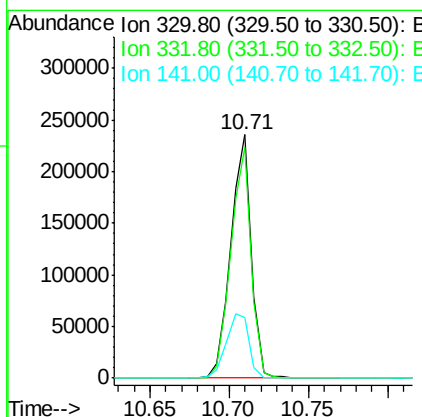
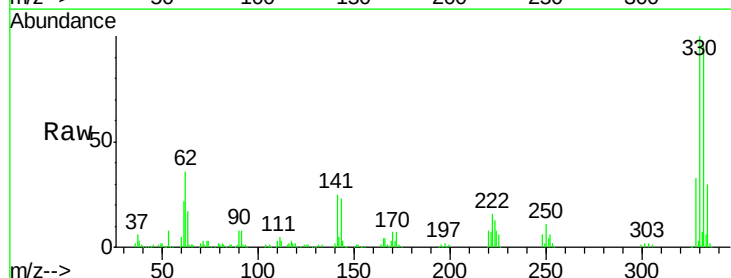
Instrument :  
 BNA\_F  
 ClientSampleId :  
 EPE-120-2(10-12)

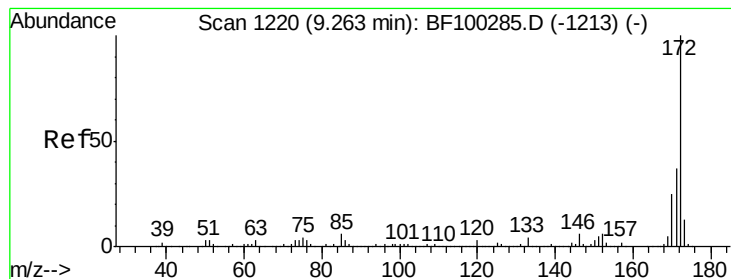
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 104.8 | 86.1  | 129.1 |
| 160     | 47.2  | 38.3  | 57.5  |



#41  
 2,4,6-Tribromophenol  
 Concen: 94.436 ng  
 RT: 10.71 min Scan# 1466  
 Delta R.T. -0.01 min  
 Lab File: BF100592.D  
 Acq: 15 Nov 2017 17:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 94.5  | 77.0  | 115.6 |
| 141     | 29.3  | 29.9  | 44.9# |





#44

2-Fluorobiphenyl

Concen: 79.833 ng

RT: 9.24 min Scan# 1216

Delta R.T. -0.01 min

Lab File: BF100592.D

Acq: 15 Nov 2017 17:05

Instrument :

BNA\_F

ClientSampleId :

EPE-120-2(10-12)

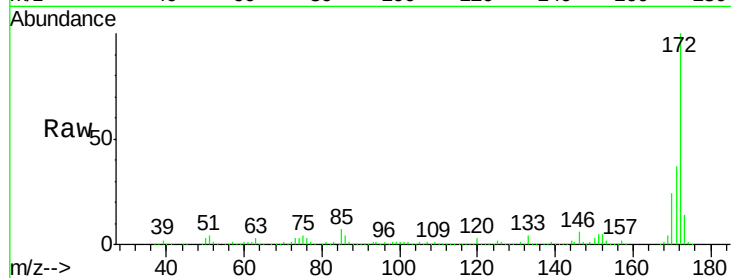
Tgt Ion:172 Resp: 1148109

Ion Ratio Lower Upper

172 100

171 36.6 29.7 44.5

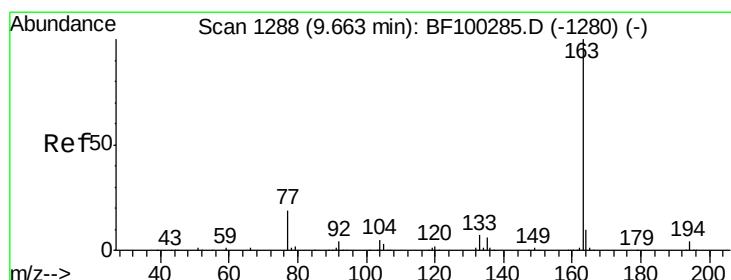
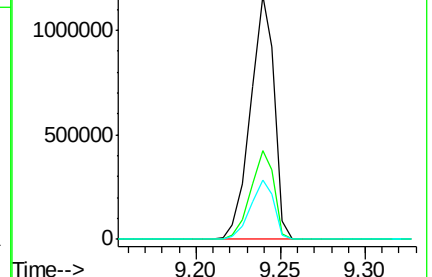
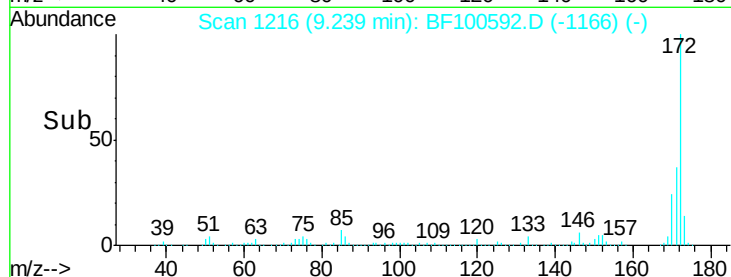
170 24.4 19.6 29.4



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



#49

Dimethylphthalate

Concen: 6.645 ng

RT: 9.63 min Scan# 1282

Delta R.T. -0.02 min

Lab File: BF100592.D

Acq: 15 Nov 2017 17:05

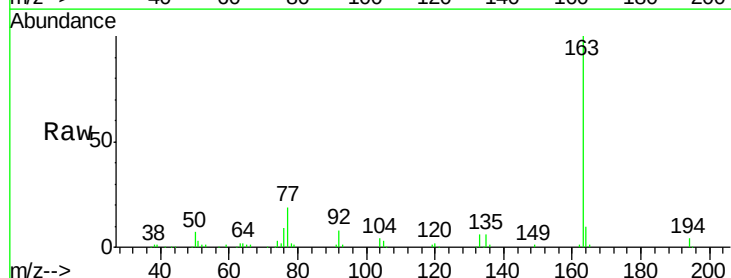
Tgt Ion:163 Resp: 111098

Ion Ratio Lower Upper

163 100

194 3.5 2.7 4.1

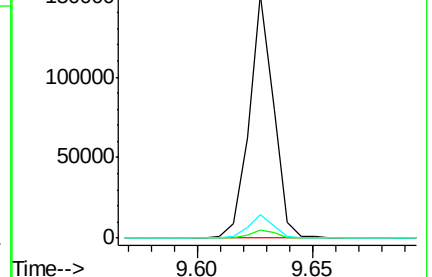
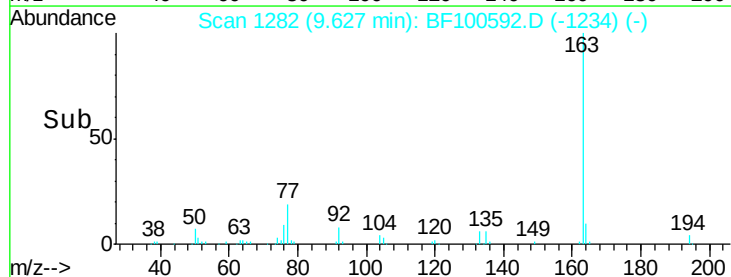
164 9.8 8.2 12.2

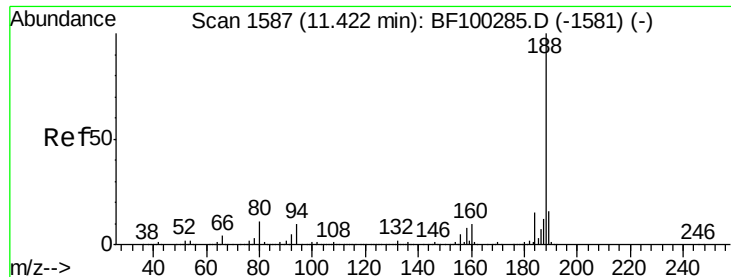


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

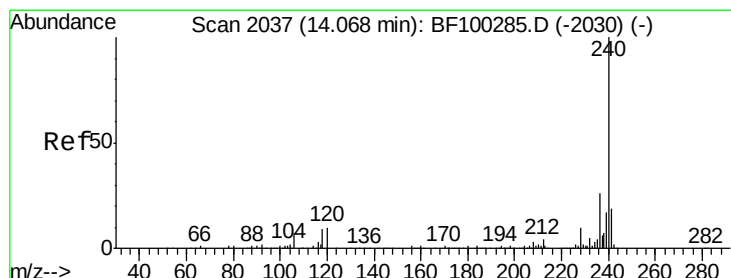
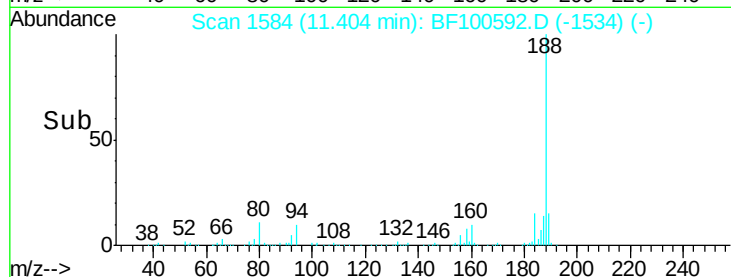
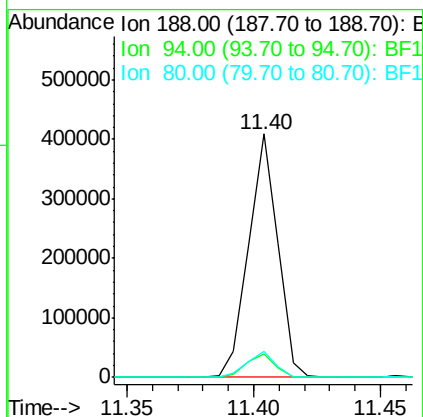
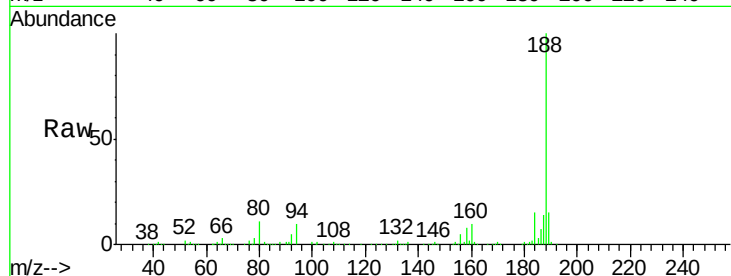




#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.40 min Scan# 1584  
Delta R.T. -0.01 min  
Lab File: BF100592.D  
Acq: 15 Nov 2017 17:05

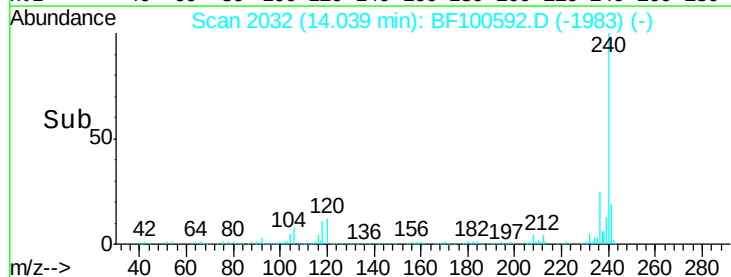
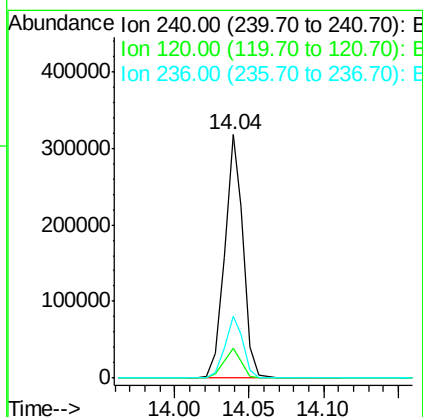
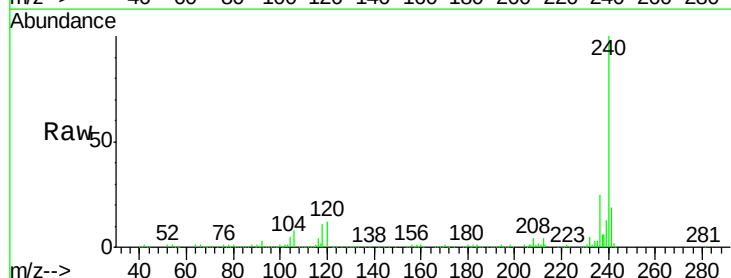
Instrument :  
BNA\_F  
ClientSampleId :  
EPE-120-2(10-12)

Tgt Ion:188 Resp: 328039  
Ion Ratio Lower Upper  
188 100  
94 9.7 8.5 12.7  
80 10.6 9.2 13.8

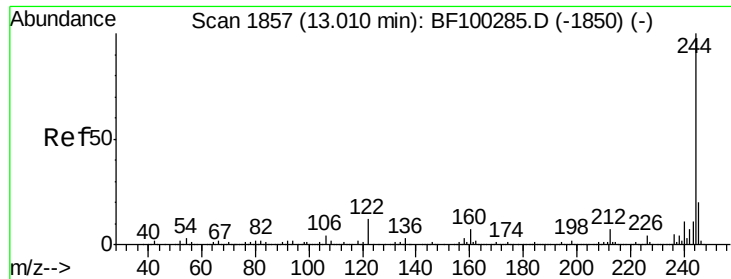


#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.04 min Scan# 2032  
Delta R.T. -0.01 min  
Lab File: BF100592.D  
Acq: 15 Nov 2017 17:05

Tgt Ion:240 Resp: 276594  
Ion Ratio Lower Upper  
240 100  
120 12.3 9.5 14.3  
236 25.2 20.7 31.1







#78

Terphenyl-d14

Concen: 62.211 ng

RT: 12.99 min Scan# 1853

Delta R.T. -0.01 min

Lab File: BF100592.D

Acq: 15 Nov 2017 17:05

Instrument :

BNA\_F

ClientSampleId :

EPE-120-2(10-12)

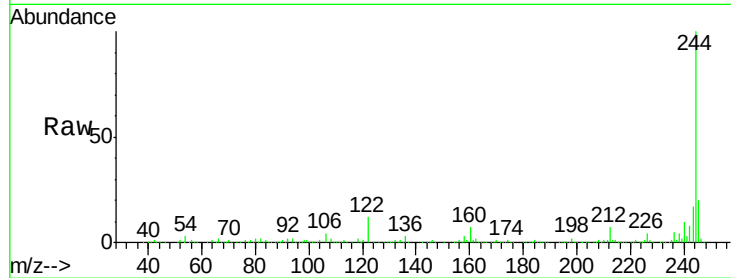
Tgt Ion:244 Resp: 748890

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

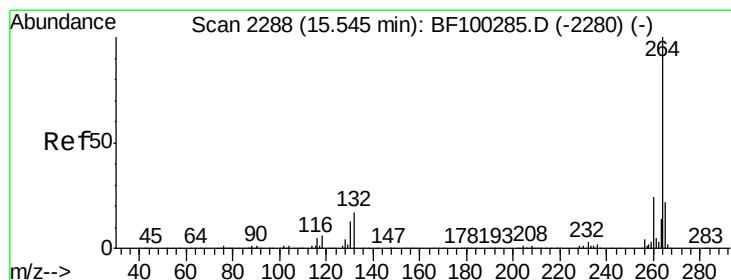
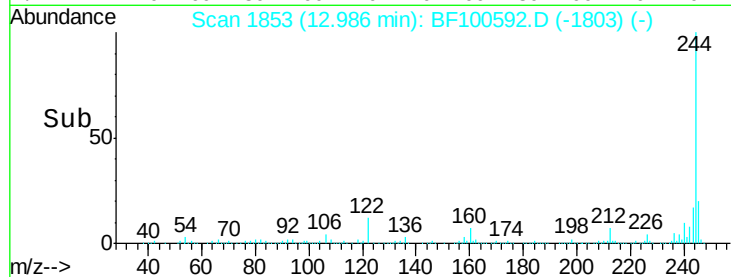
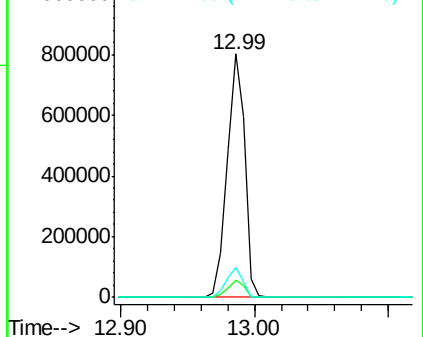
122 12.0 11.0 16.4



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.52 min Scan# 2283

Delta R.T. -0.01 min

Lab File: BF100592.D

Acq: 15 Nov 2017 17:05

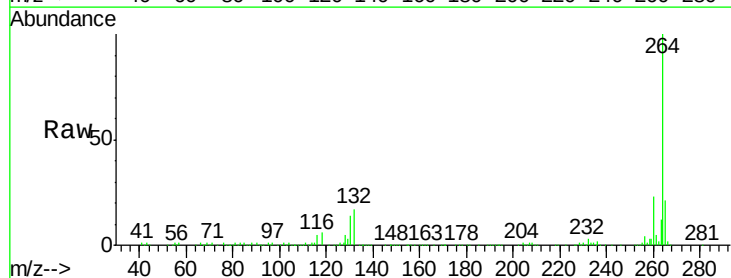
Tgt Ion:264 Resp: 264692

Ion Ratio Lower Upper

264 100

260 23.3 19.2 28.8

265 21.4 17.5 26.3



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

