

Data Path : Z:\HPCHEM1\BNA F\DATA\BF103017\  
 Data File : BF099993.D  
 Acq On : 31 Oct 2017 6:43  
 Operator : SJ/JU  
 Sample : I6201-02  
 Misc :  
 ALS Vial : 42 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CF-1A(4-5)

Quant Time: Oct 31 07:16:59 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Oct 27 15:58:57 2017  
 Response via : Initial Calibration

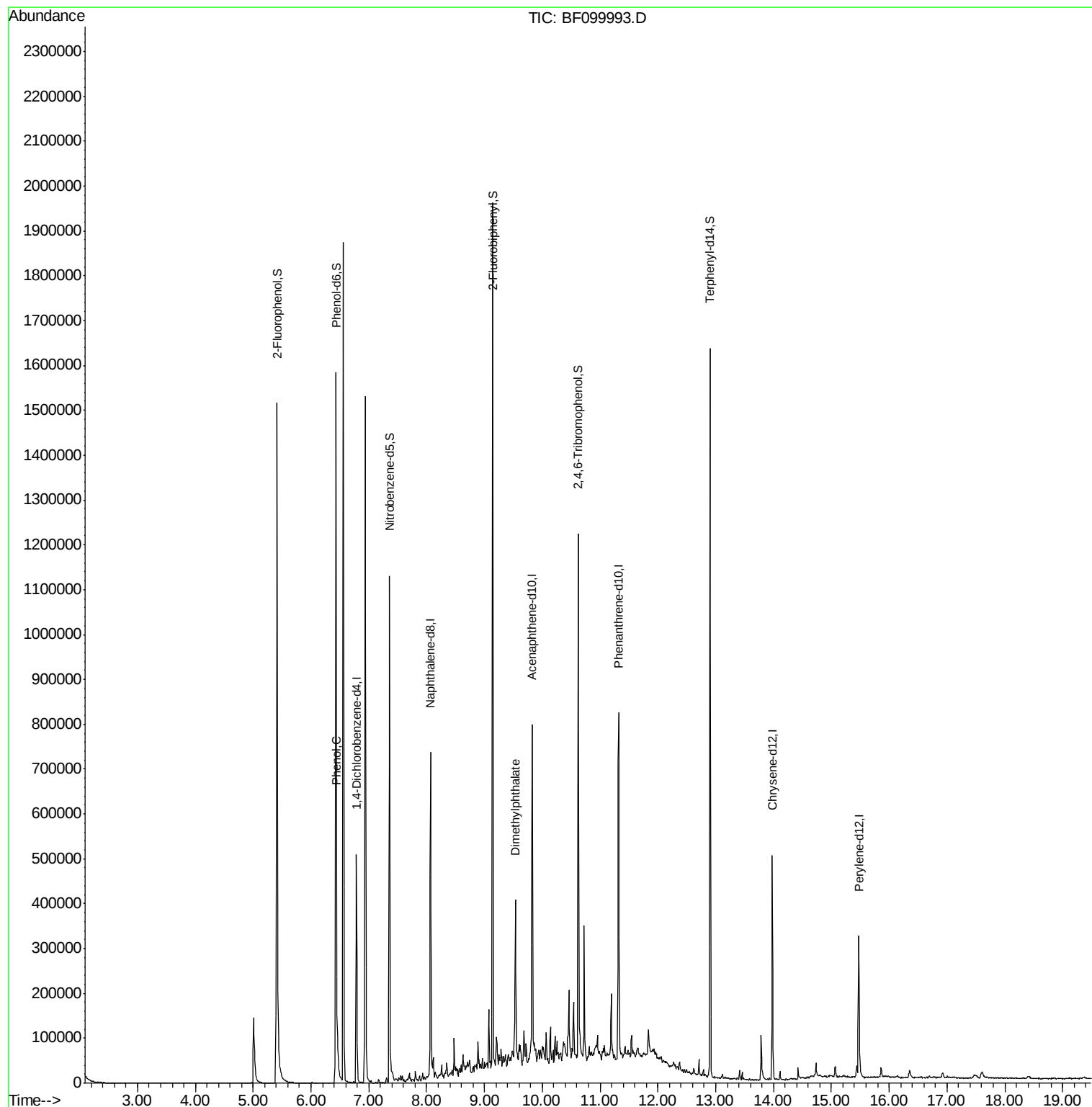
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.79  | 152  | 84923    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.07  | 136  | 345307   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10        | 9.82  | 164  | 161493   | 20.00  | ng    | -0.02    |
| 63) Phenanthrene-d10        | 11.32 | 188  | 281064   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12            | 13.98 | 240  | 182282   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12            | 15.47 | 264  | 155679   | 20.00  | ng    | 0.02     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.41  | 112  | 579533   | 107.14 | ng    | 0.00     |
| 7) Phenol-d6                | 6.43  | 99   | 670201   | 104.49 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.36  | 82   | 381360   | 71.10  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 10.62 | 330  | 154093   | 104.70 | ng    | -0.02    |
| 44) 2-Fluorobiphenyl        | 9.15  | 172  | 669772   | 63.99  | ng    | -0.01    |
| 78) Terphenyl-d14           | 12.90 | 244  | 528945   | 63.42  | ng    | -0.02    |
| Target Compounds            |       |      |          |        |       |          |
| 10) Phenol                  | 6.45  | 94   | 39231    | 5.571  | ng    | 96       |
| 49) Dimethylphthalate       | 9.54  | 163  | 125944   | 9.848  | ng    | 99       |

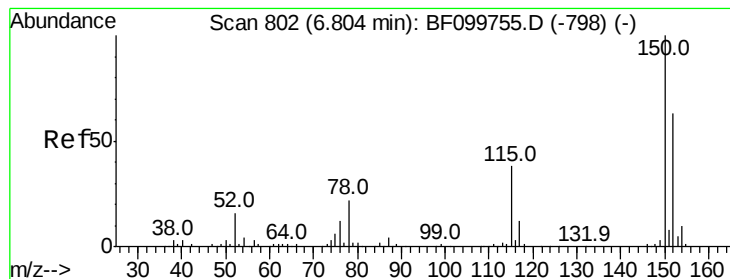
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BNA\_F  
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CF-1A(4-5)

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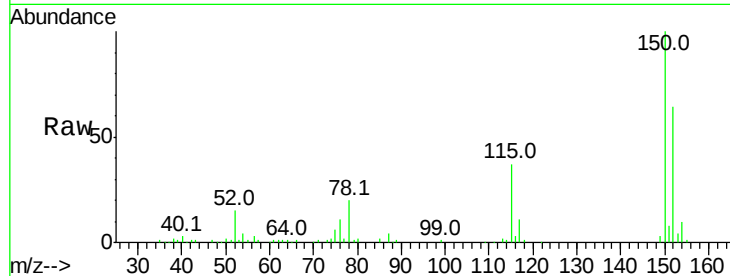


#1

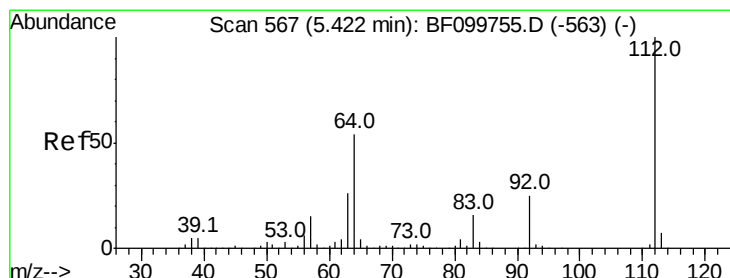
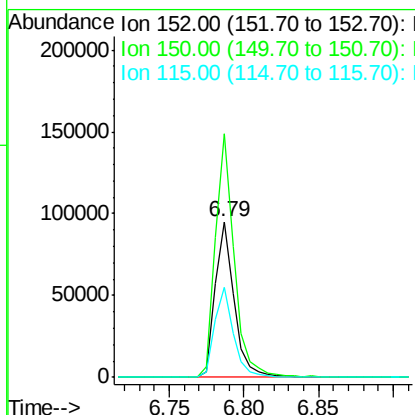
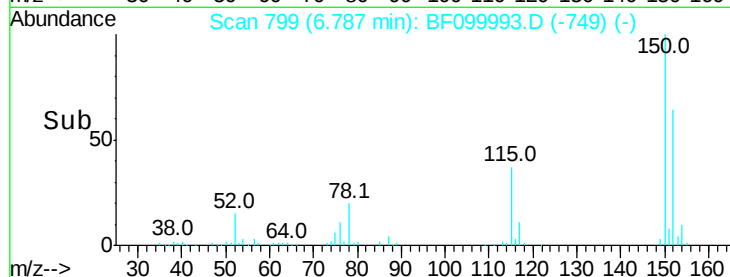
1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.79 min Scan# 799  
 Delta R.T. -0.01 min  
 Lab File: BF099993.D  
 Acq: 31 Oct 2017 6:43

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CF-1A(4-5)

Tot Ion:152 Resp: 84923  
 Ion Ratio Lower Upper  
 152 100  
 150 156.4 124.6 186.8  
 115 57.7 50.1 75.1



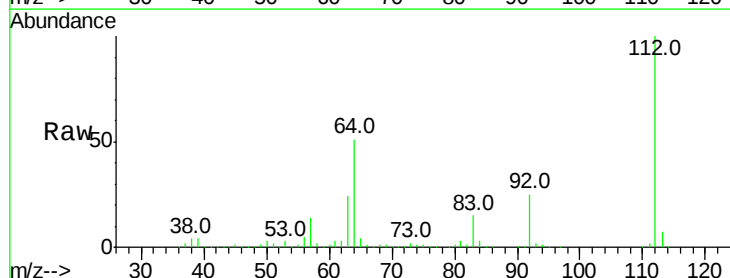
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



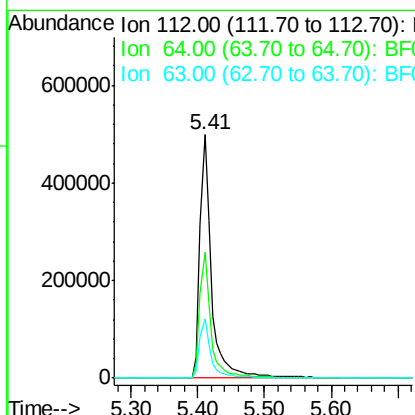
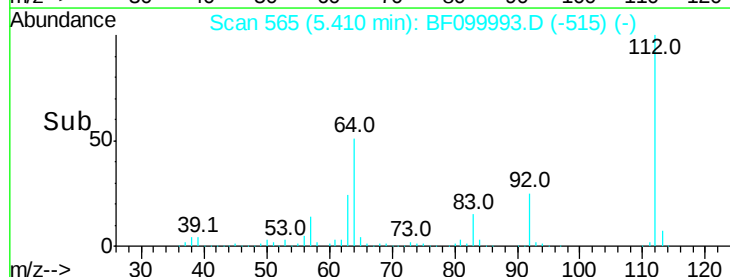
#5

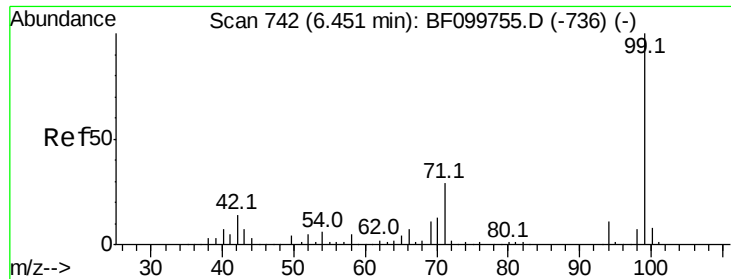
2-Fluorophenol  
 Concen: 107.138 ng  
 RT: 5.41 min Scan# 565  
 Delta R.T. -0.01 min  
 Lab File: BF099993.D  
 Acq: 31 Oct 2017 6:43

Tgt Ion:112 Resp: 579533  
 Ion Ratio Lower Upper  
 112 100  
 64 51.4 47.9 71.9  
 63 24.5 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E  
 Ion 64.00 (63.70 to 64.70): BF0  
 Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 104.493 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF099993.D

Acq: 31 Oct 2017 6:43

Instrument :

BNA\_F

ClientSampleId :

CF-1A(4-5)

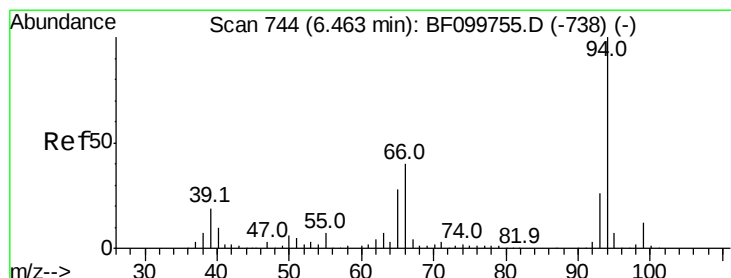
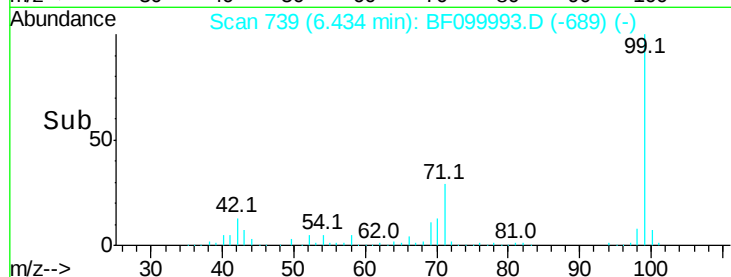
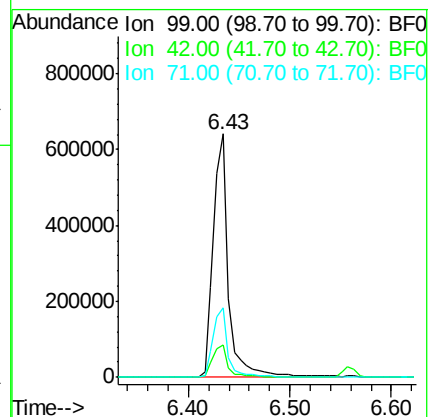
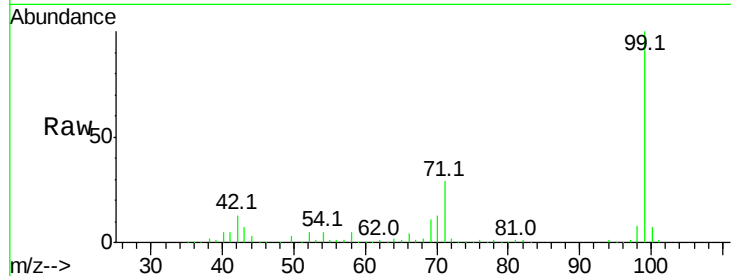
Tot Ion: 99 Resp: 670201

Ion Ratio Lower Upper

99 100

42 13.1 14.5 21.7#

71 28.6 25.4 38.0



#10

Phenol

Concen: 5.571 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.01 min

Lab File: BF099993.D

Acq: 31 Oct 2017 6:43

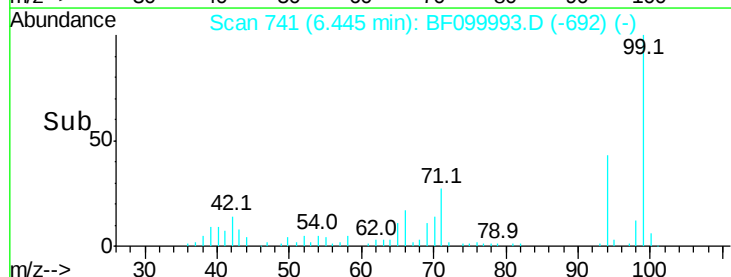
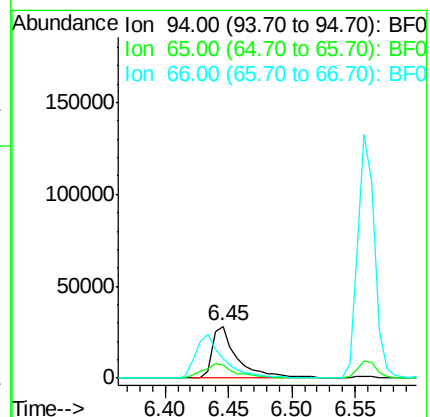
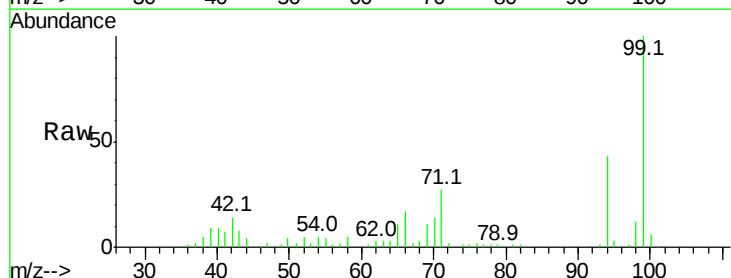
Tgt Ion: 94 Resp: 39231

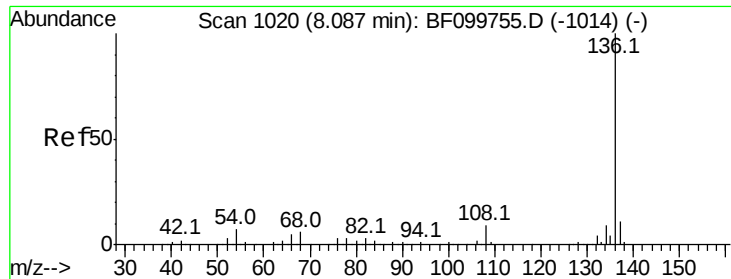
Ion Ratio Lower Upper

94 100

65 25.9 7.9 47.9

66 38.7 16.2 56.2





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.07 min Scan# 1017

Delta R.T. -0.01 min

Lab File: BF099993.D

Acq: 31 Oct 2017 6:43

Instrument :

BNA\_F

ClientSampleId :

CF-1A(4-5)

Tot Ion:136 Resp: 345307

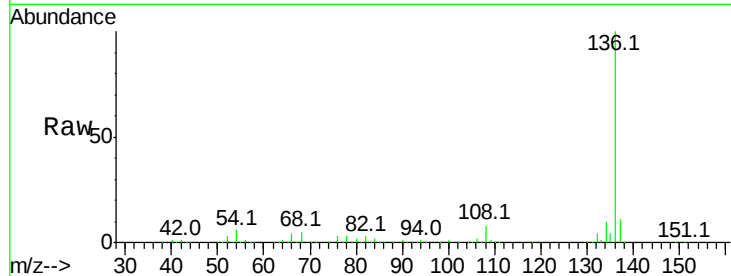
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 5.9 6.6 9.8#

68 5.4 5.0 7.4

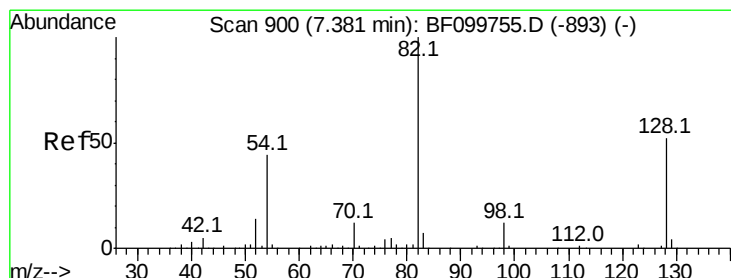
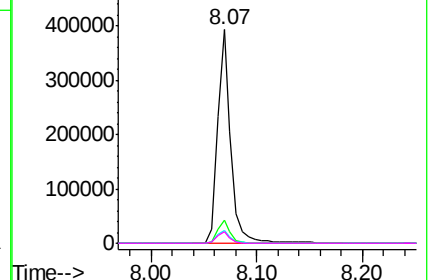
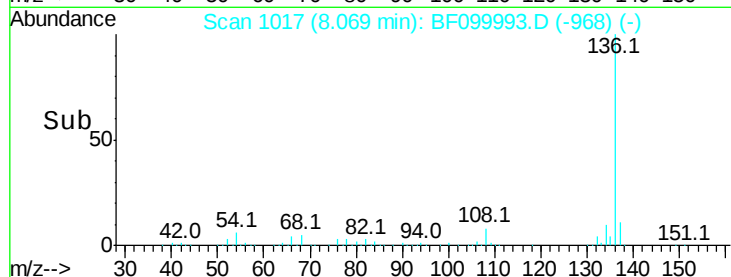


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 71.102 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.01 min

Lab File: BF099993.D

Acq: 31 Oct 2017 6:43

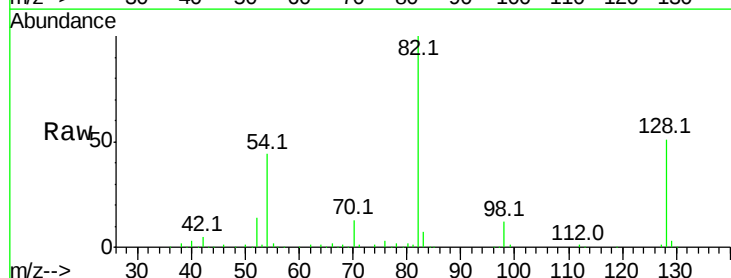
Tgt Ion: 82 Resp: 381360

Ion Ratio Lower Upper

82 100

128 50.9 36.1 54.1

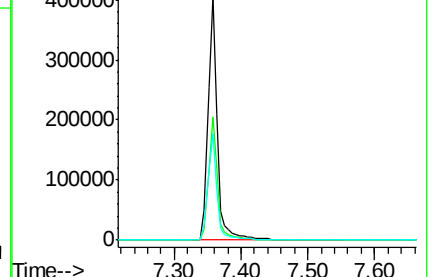
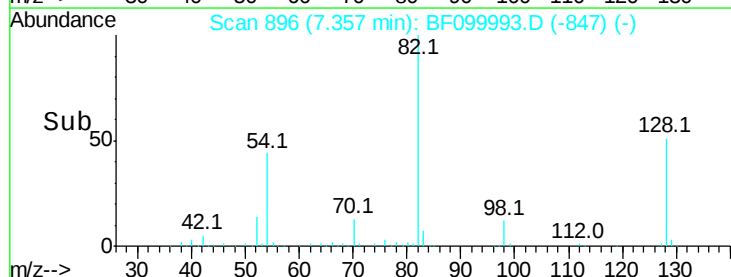
54 43.7 41.4 62.2

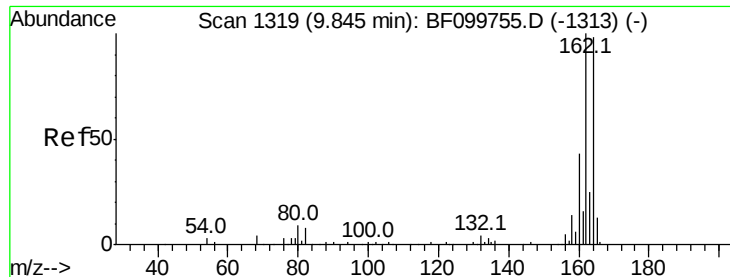


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

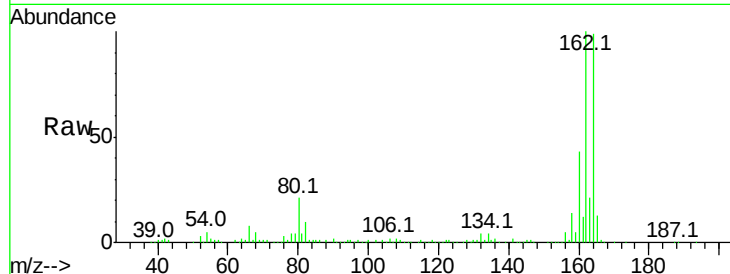




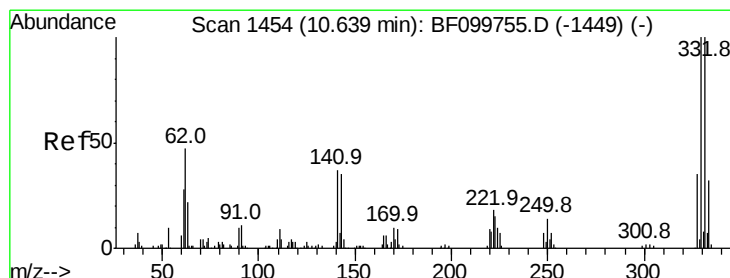
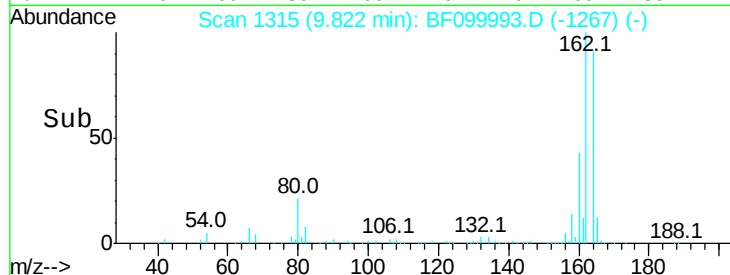
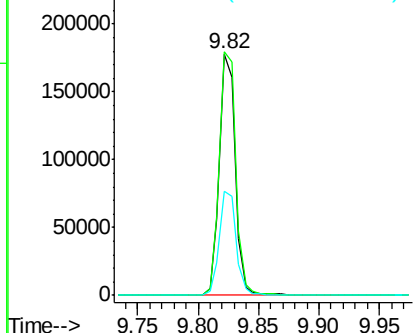
#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.82 min Scan# 1315  
 Delta R.T. -0.02 min  
 Lab File: BF099993.D  
 Acq: 31 Oct 2017 6:43

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CF-1A(4-5)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 100.9 | 86.1  | 129.1 |
| 160     | 43.2  | 38.3  | 57.5  |

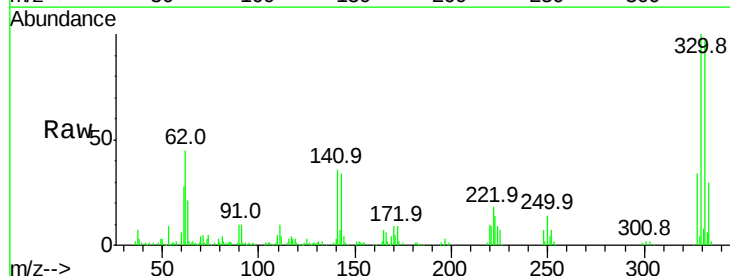


Abundance Ion 164.00 (163.70 to 164.70): E  
 Ion 162.00 (161.70 to 162.70): E  
 Ion 160.00 (159.70 to 160.70): E

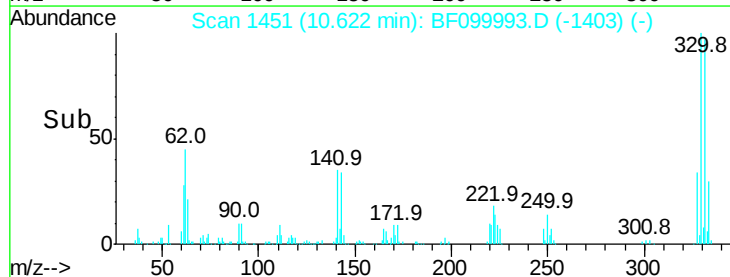
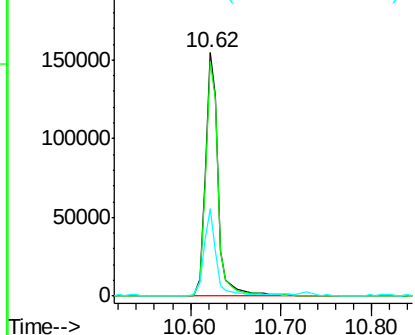


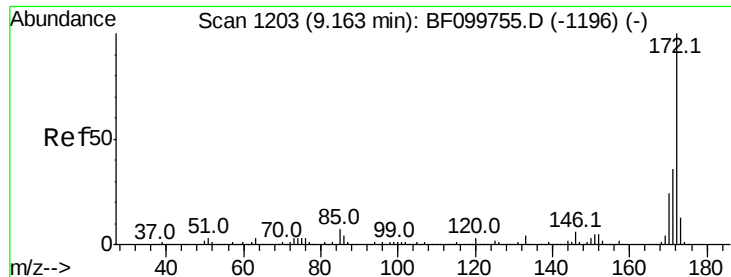
#41  
 2,4,6-Tribromophenol  
 Concen: 104.703 ng  
 RT: 10.62 min Scan# 1451  
 Delta R.T. -0.02 min  
 Lab File: BF099993.D  
 Acq: 31 Oct 2017 6:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.3  | 77.0  | 115.6 |
| 141     | 33.2  | 29.9  | 44.9  |



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

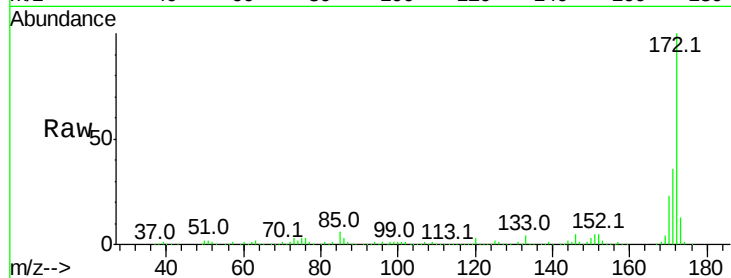




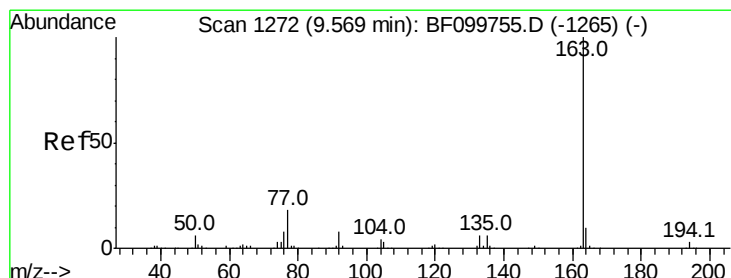
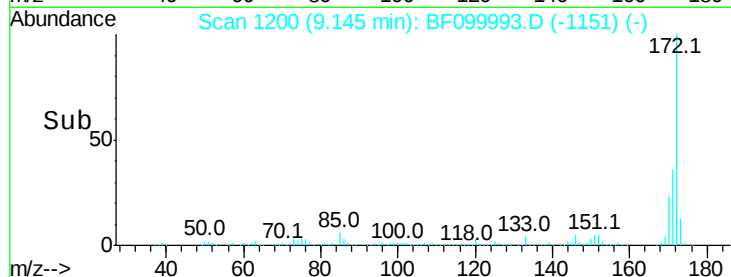
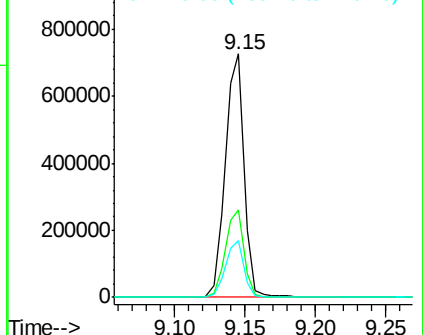
#44  
2-Fluorobiphenyl  
Concen: 63.987 ng  
RT: 9.15 min Scan# 1200  
Delta R.T. -0.01 min  
Lab File: BF099993.D  
Acq: 31 Oct 2017 6:43

Instrument :  
BNA\_F  
ClientSampleId :  
CF-1A(4-5)

Tot Ion:172 Resp: 669772  
Ion Ratio Lower Upper  
172 100  
171 35.7 29.7 44.5  
170 23.1 19.6 29.4

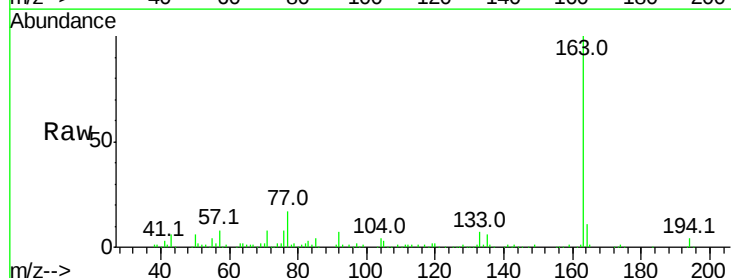


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

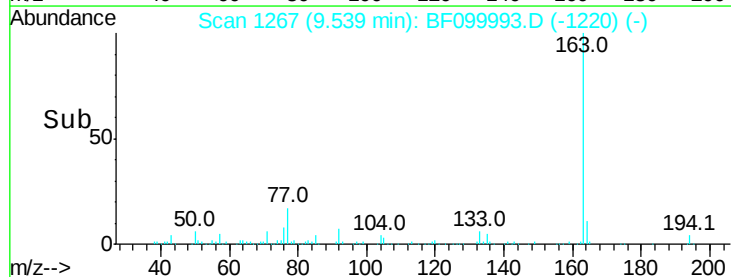
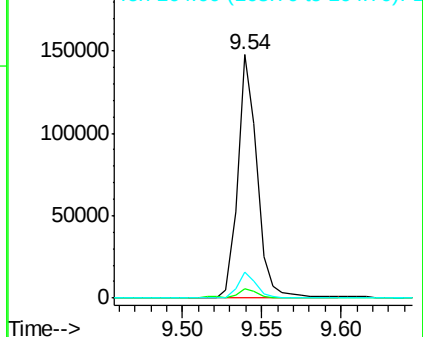


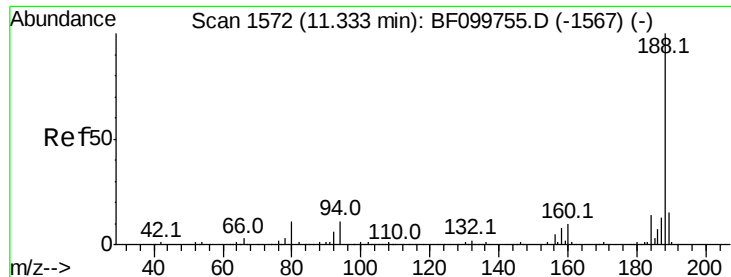
#49  
Dimethylphthalate  
Concen: 9.848 ng  
RT: 9.54 min Scan# 1267  
Delta R.T. -0.02 min  
Lab File: BF099993.D  
Acq: 31 Oct 2017 6:43

Tgt Ion:163 Resp: 125944  
Ion Ratio Lower Upper  
163 100  
194 3.8 2.7 4.1  
164 10.6 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: 11.32 min Scan# 1570

Delta R.T. -0.01 min

Lab File: BF099993.D

Acq: 31 Oct 2017 6:43

Instrument :

BNA\_F

ClientSampleId :

CF-1A(4-5)

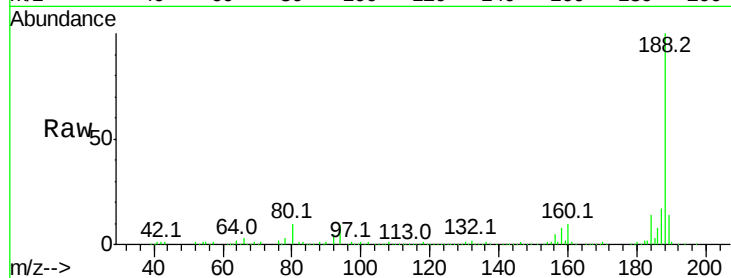
Tot Ion:188 Resp: 281064

Ion Ratio Lower Upper

188 100

94 9.5 8.5 12.7

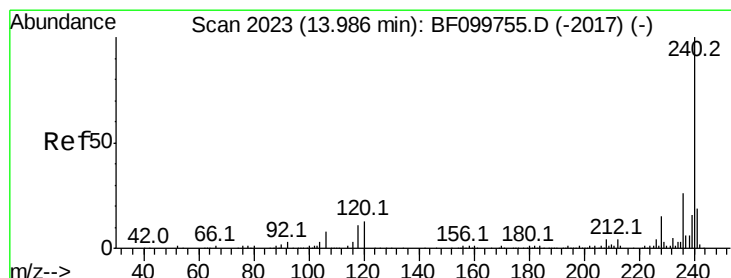
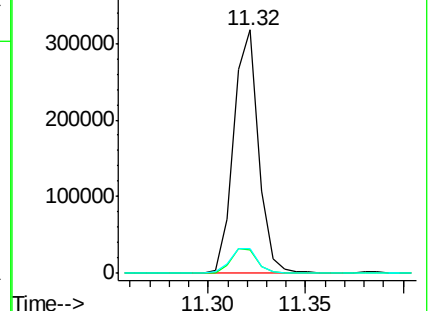
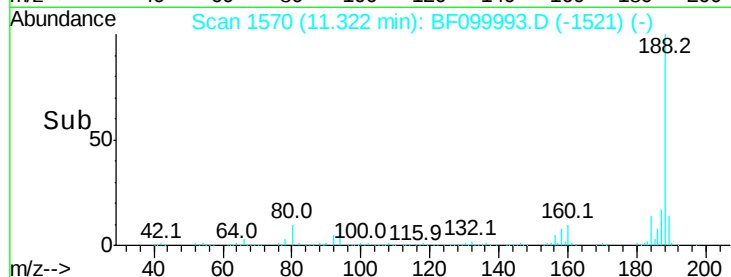
80 9.9 9.2 13.8



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.98 min Scan# 2022

Delta R.T. -0.01 min

Lab File: BF099993.D

Acq: 31 Oct 2017 6:43

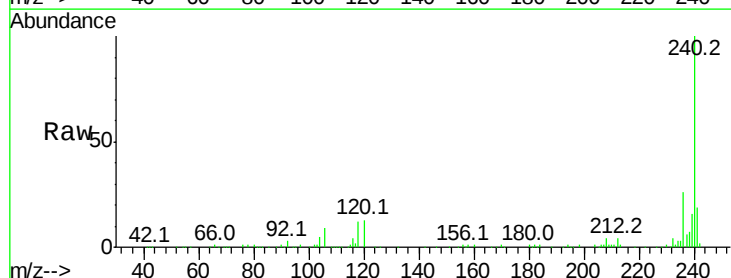
Tgt Ion:240 Resp: 182282

Ion Ratio Lower Upper

240 100

120 13.0 9.5 14.3

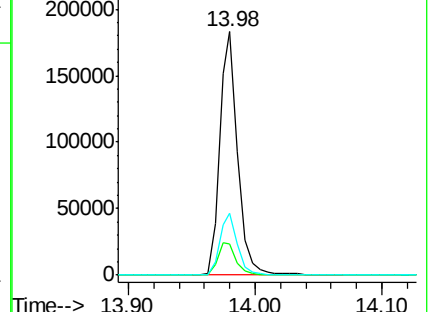
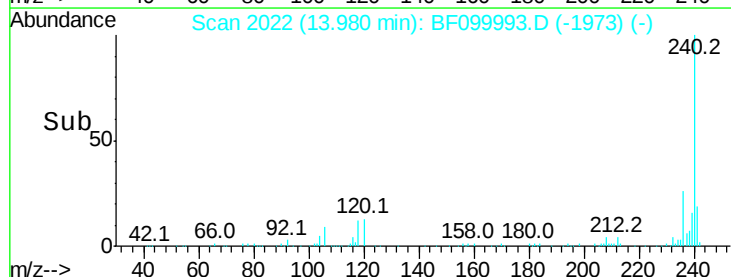
236 25.6 20.7 31.1

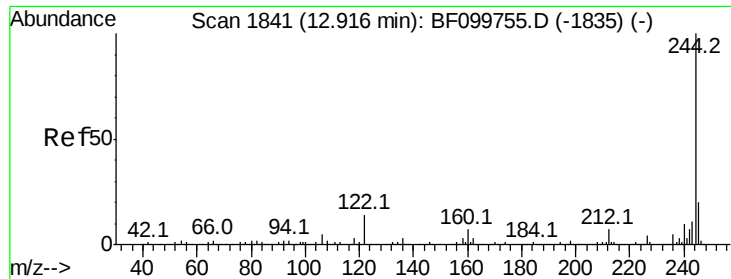


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 63.415 ng

RT: 12.90 min Scan# 1839

Delta R.T. -0.02 min

Lab File: BF099993.D

Acq: 31 Oct 2017 6:43

Instrument :

BNA\_F

ClientSampleId :

CF-1A(4-5)

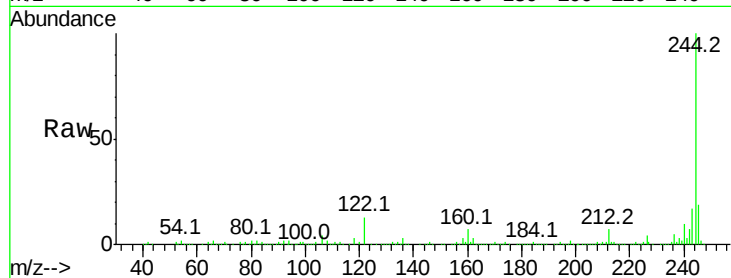
Tot Ion:244 Resp: 528945

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

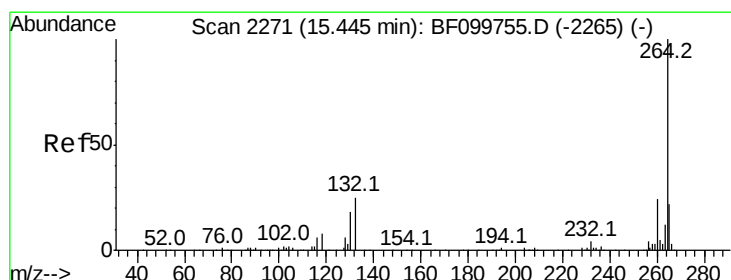
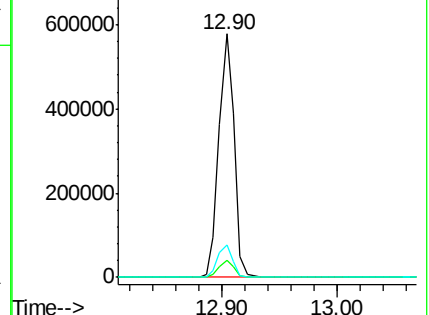
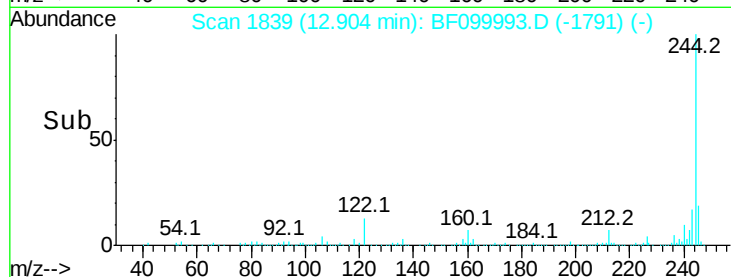
122 13.3 11.0 16.4



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: 15.47 min Scan# 2276

Delta R.T. 0.02 min

Lab File: BF099993.D

Acq: 31 Oct 2017 6:43

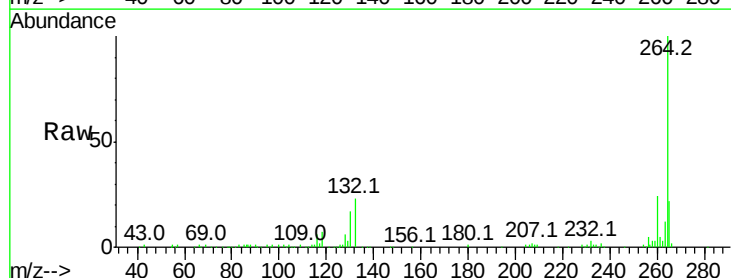
Tgt Ion:264 Resp: 155679

Ion Ratio Lower Upper

264 100

260 24.0 19.2 28.8

265 22.0 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

