

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041318\  
 Data File : BF104506.D  
 Acq On : 14 Apr 2018 5:44  
 Operator : JU/SJ  
 Sample : J2364-15  
 Misc :  
 ALS Vial : 33 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CO2

Quant Time: Apr 14 06:49:47 2018  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Apr 13 17:38:31 2018  
 Response via : Initial Calibration

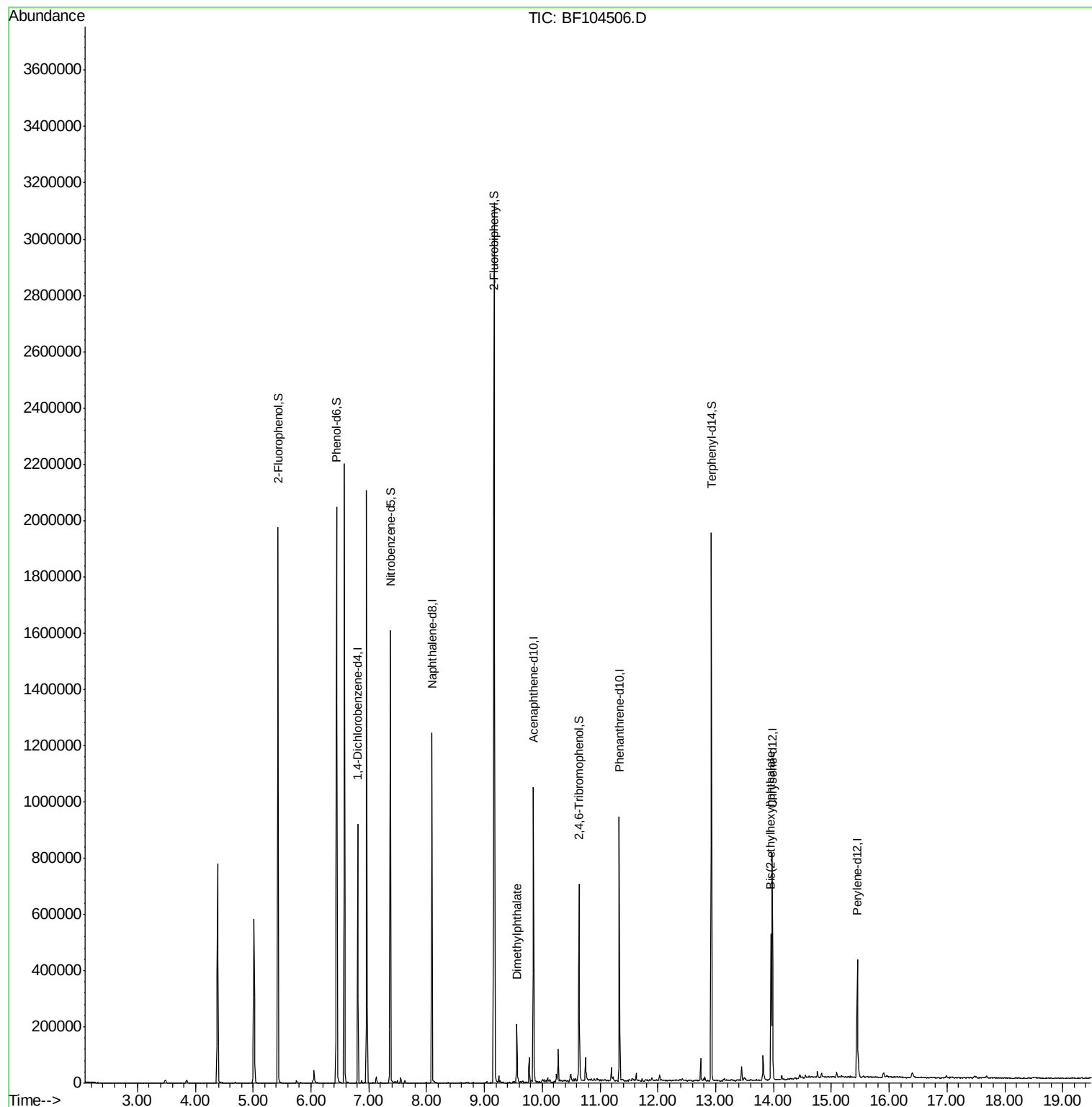
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.81  | 152  | 129158   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.09  | 136  | 520155   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10           | 9.85  | 164  | 218935   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10           | 11.33 | 188  | 328932   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12               | 13.98 | 240  | 244968   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12               | 15.45 | 264  | 198894   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.43  | 112  | 537526   | 63.64  | ng    | 0.00     |
| 7) Phenol-d6                   | 6.45  | 99   | 764695   | 73.68  | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.37  | 82   | 522462   | 65.59  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol       | 10.64 | 330  | 92125    | 40.56  | ng    | 0.00     |
| 44) 2-Fluorobiphenyl           | 9.17  | 172  | 939872   | 67.82  | ng    | 0.00     |
| 78) Terphenyl-d14              | 12.93 | 244  | 678757   | 63.17  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 49) Dimethylphthalate          | 9.56  | 163  | 88747    | 5.140  | ng    | 97       |
| 83) Bis(2-ethylhexyl)phthalate | 13.96 | 149  | 141569   | 12.866 | ng    | 98       |

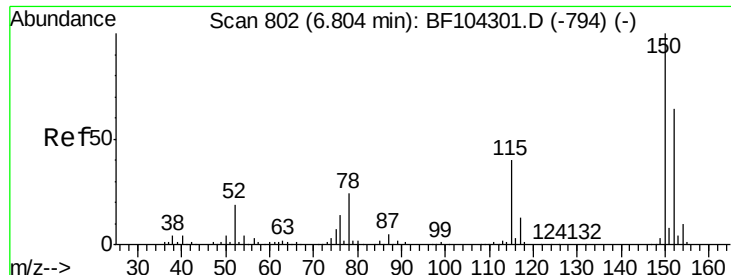
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BNA\_F  
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CO2

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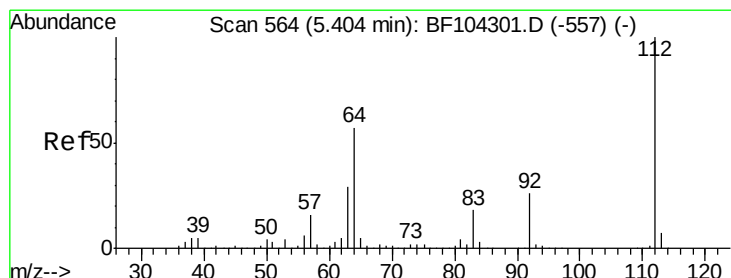
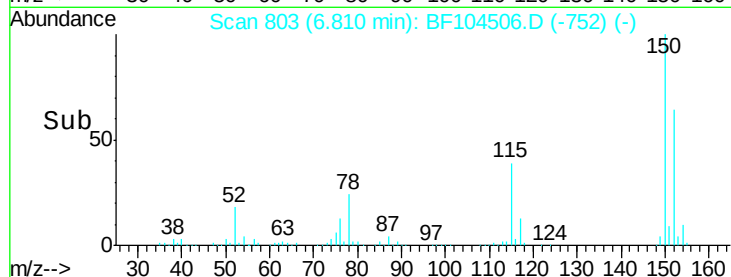
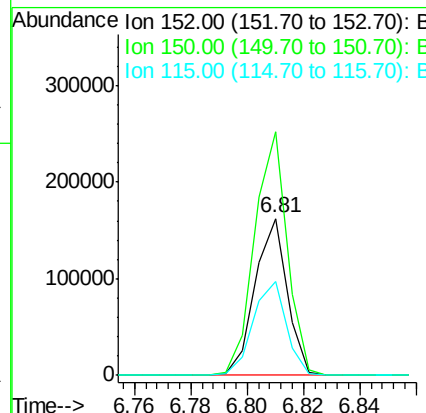
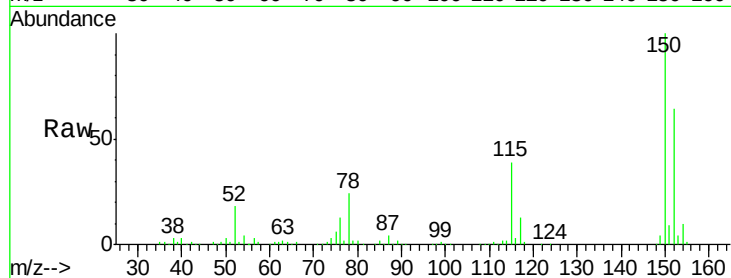


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.81 min Scan# 803  
Delta R.T. 0.00 min  
Lab File: BF104506.D  
Acq: 14 Apr 2018 5:44

Instrument :  
BNA\_F  
ClientSampleId :  
CO2

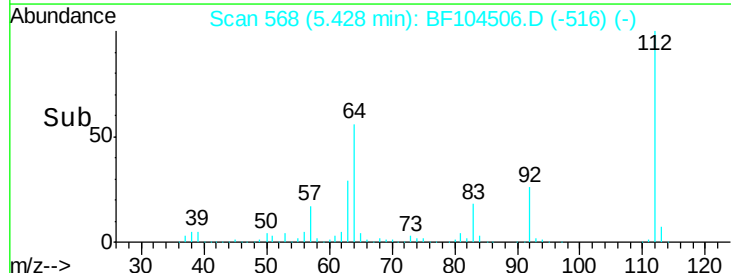
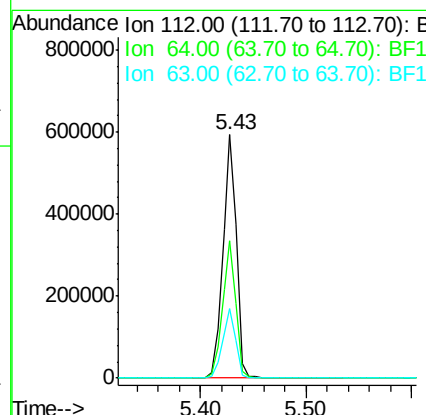
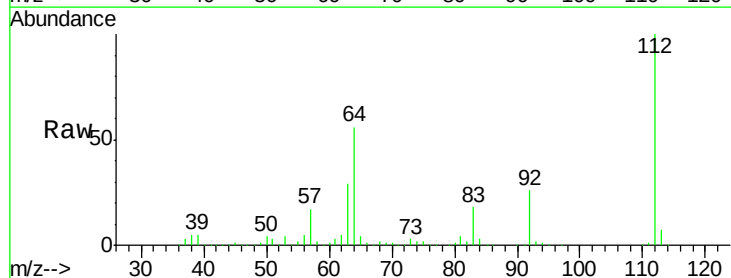
Tot Ion:152 Resp: 129158  
Ion Ratio Lower Upper  
152 100  
150 155.2 124.6 186.8  
115 60.2 50.1 75.1

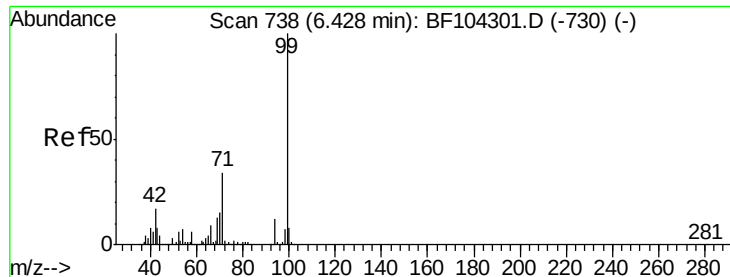


#5

2-Fluorophenol  
Concen: 63.636 ng  
RT: 5.43 min Scan# 568  
Delta R.T. 0.01 min  
Lab File: BF104506.D  
Acq: 14 Apr 2018 5:44

Tgt Ion:112 Resp: 537526  
Ion Ratio Lower Upper  
112 100  
64 56.4 47.9 71.9  
63 28.8 23.7 35.5





#7

Phenol-d6

Concen: 73.681 ng

RT: 6.45 min Scan# 741

Delta R.T. 0.00 min

Lab File: BF104506.D

Acq: 14 Apr 2018 5:44

Instrument :

BNA\_F

ClientSampled :

CO2

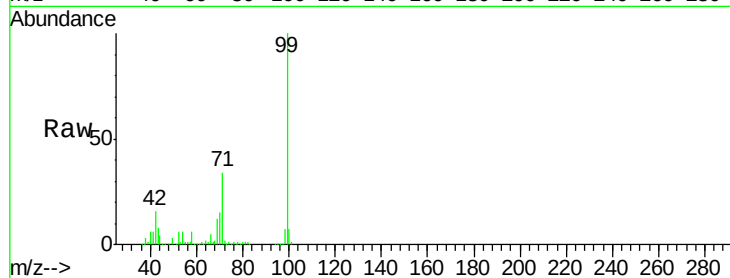
Tot Ion: 99 Resp: 764695

Ion Ratio Lower Upper

99 100

42 16.3 14.5 21.7

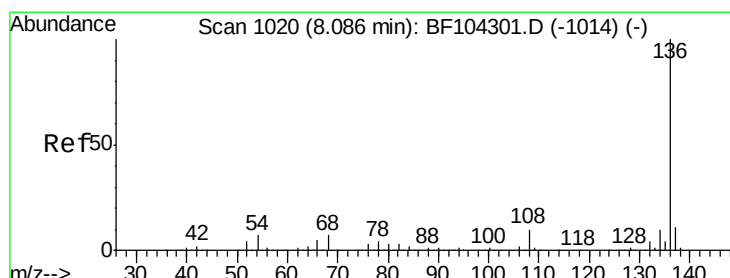
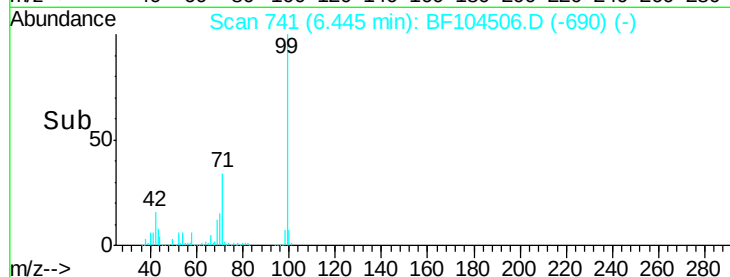
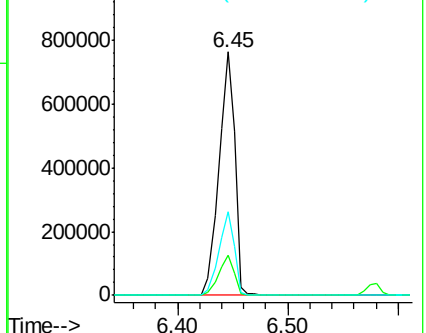
71 34.1 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1021

Delta R.T. -0.01 min

Lab File: BF104506.D

Acq: 14 Apr 2018 5:44

Tgt Ion: 136 Resp: 520155

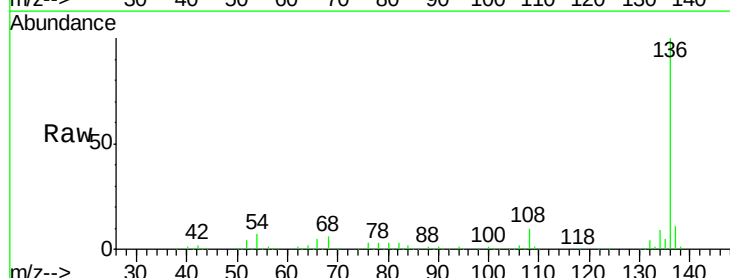
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 6.6 6.6 9.8

68 5.6 5.0 7.4

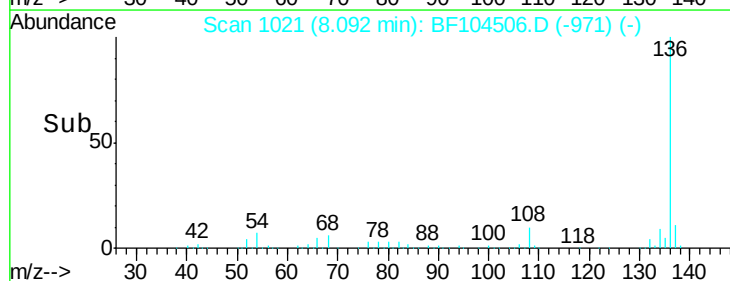
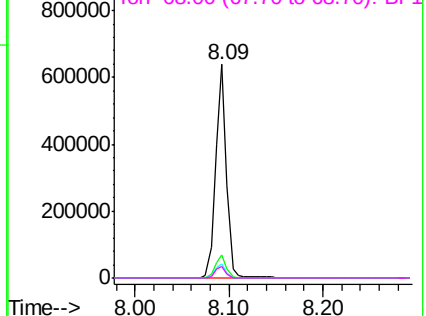


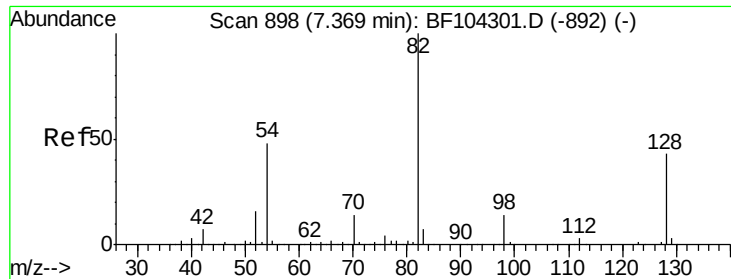
Abundance Ion 136.00 (135.70 to 136.70): E

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

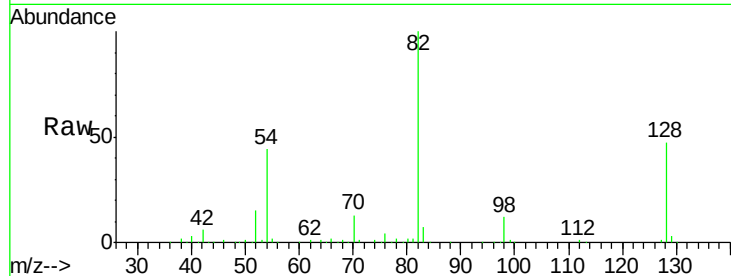




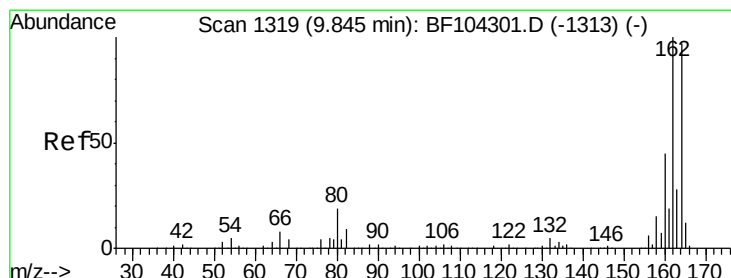
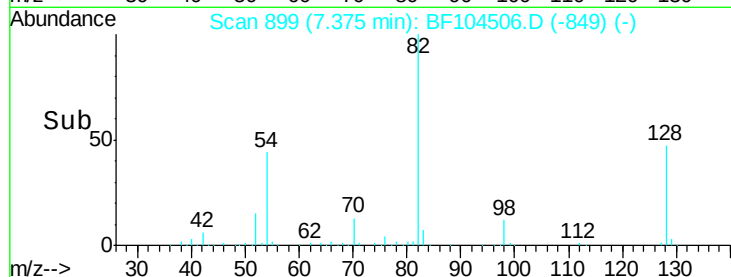
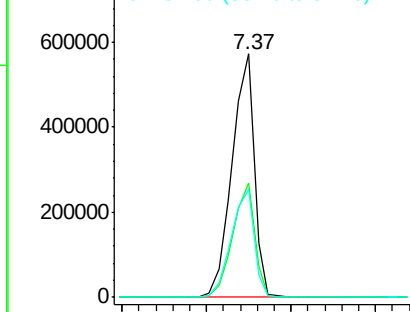
#23  
 Nitrobenzene-d5  
 Concen: 65.588 ng  
 RT: 7.37 min Scan# 899  
 Delta R.T. -0.01 min  
 Lab File: BF104506.D  
 Acq: 14 Apr 2018 5:44

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CO2

Tot Ion: 82 Resp: 522462  
 Ion Ratio Lower Upper  
 82 100  
 128 46.8 36.1 54.1  
 54 44.3 41.4 62.2

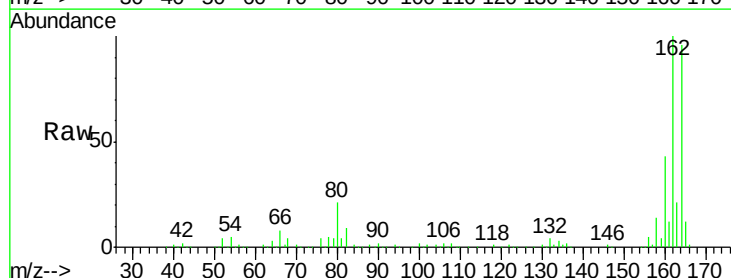


Abundance Ion 82.00 (81.70 to 82.70): BF1  
 Ion 128.00 (127.70 to 128.70): BF1  
 Ion 54.00 (53.70 to 54.70): BF1

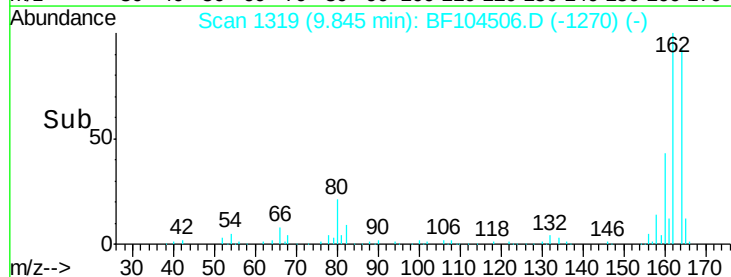
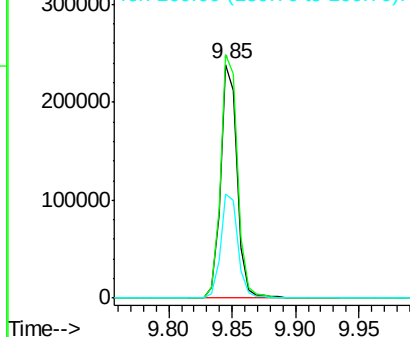


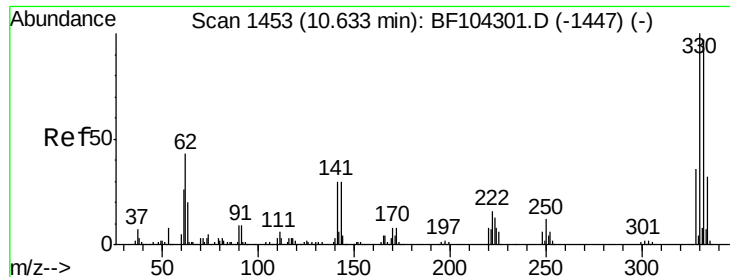
#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.85 min Scan# 1319  
 Delta R.T. -0.01 min  
 Lab File: BF104506.D  
 Acq: 14 Apr 2018 5:44

Tgt Ion: 164 Resp: 218935  
 Ion Ratio Lower Upper  
 164 100  
 162 104.2 86.1 129.1  
 160 44.7 38.3 57.5



Abundance Ion 164.00 (163.70 to 164.70): BF1  
 Ion 162.00 (161.70 to 162.70): BF1  
 Ion 160.00 (159.70 to 160.70): BF1

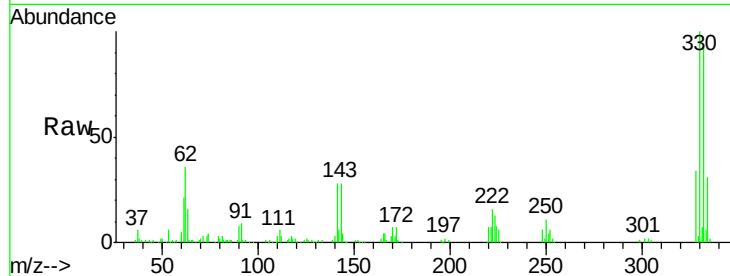




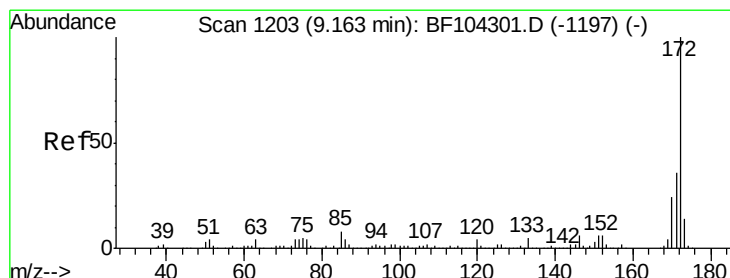
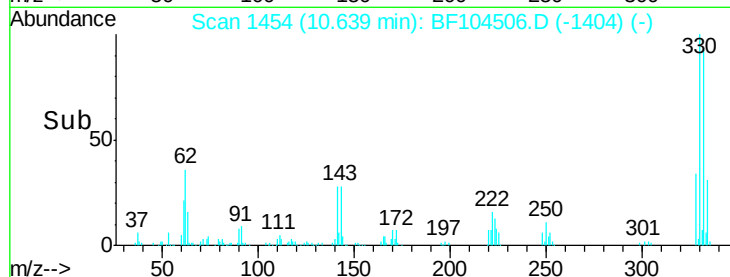
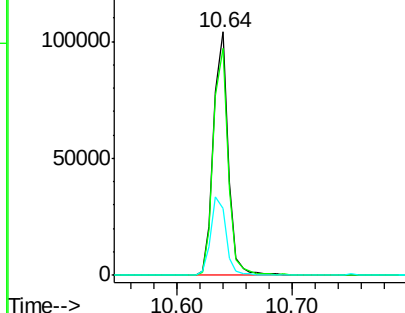
#41  
 2,4,6-Tribromophenol  
 Concen: 40.565 ng  
 RT: 10.64 min Scan# 1454  
 Delta R.T. -0.01 min  
 Lab File: BF104506.D  
 Acq: 14 Apr 2018 5:44

Instrument :  
 BNA\_F  
 ClientSampled :  
 CO2

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 93.8  | 77.0  | 115.6 |
| 141     | 33.5  | 29.9  | 44.9  |

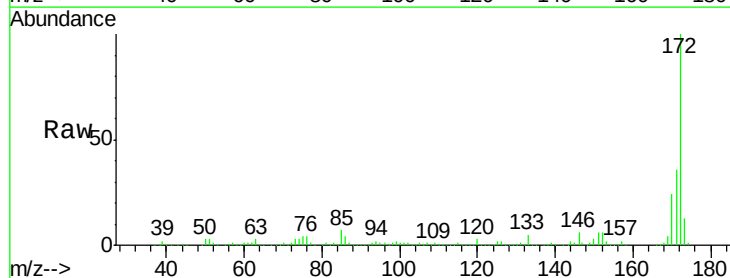


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

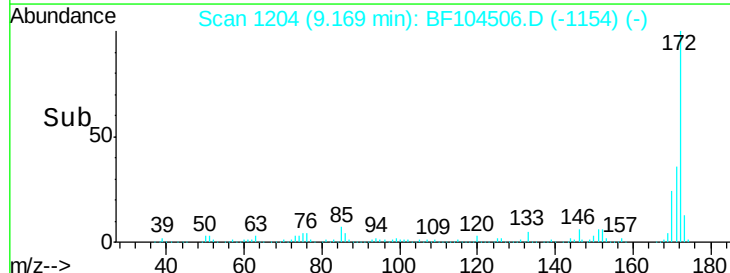
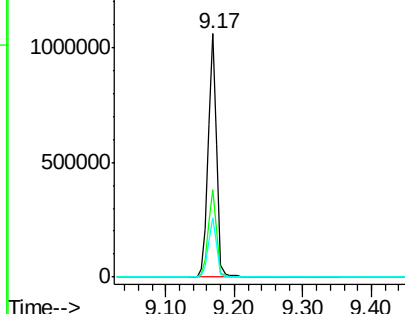


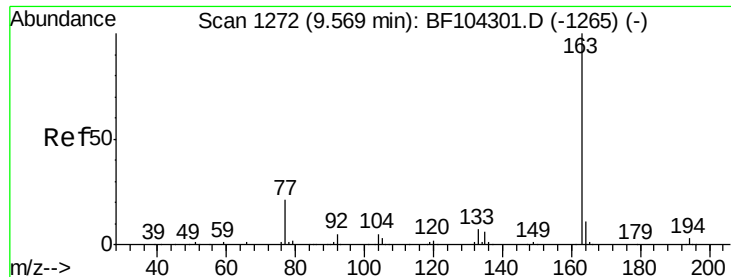
#44  
 2-Fluorobiphenyl  
 Concen: 67.818 ng  
 RT: 9.17 min Scan# 1204  
 Delta R.T. -0.01 min  
 Lab File: BF104506.D  
 Acq: 14 Apr 2018 5:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.9  | 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

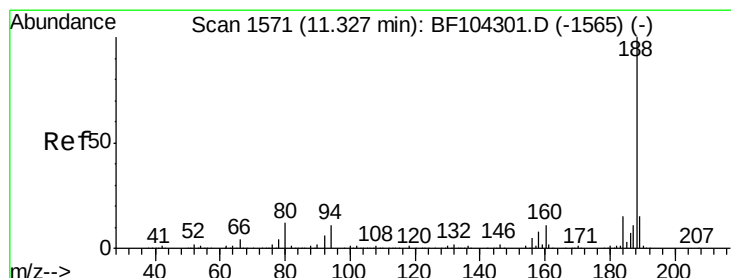
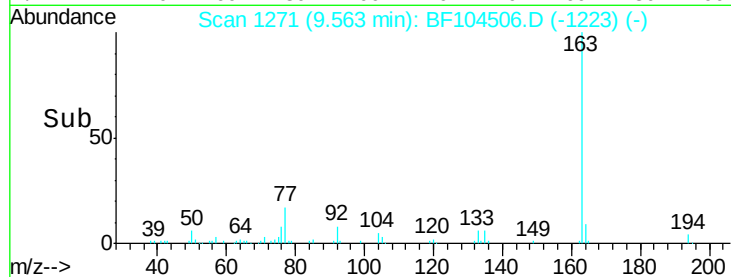
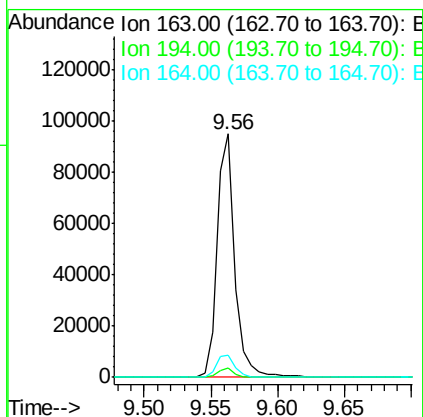
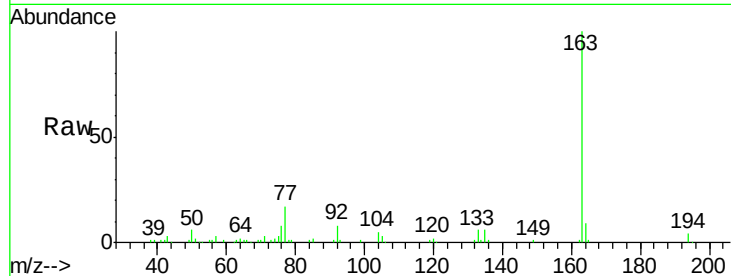




#49  
Dimethylphthalate  
Concen: 5.140 ng  
RT: 9.56 min Scan# 1271  
Delta R.T. -0.02 min  
Lab File: BF104506.D  
Acq: 14 Apr 2018 5:44

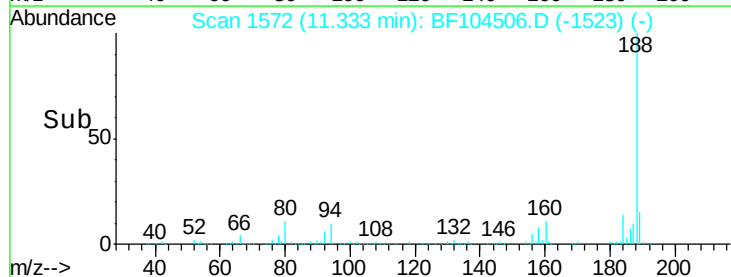
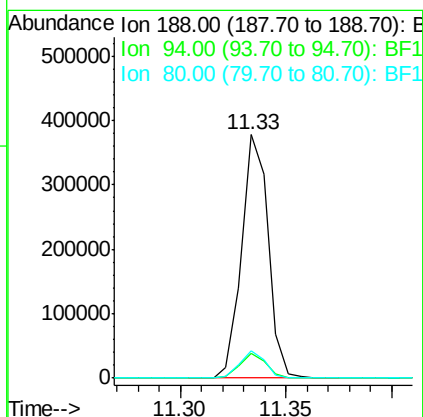
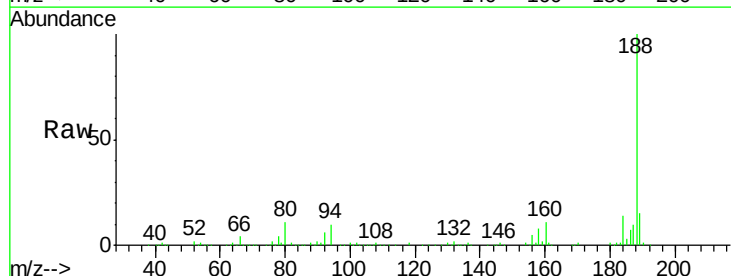
Instrument :  
BNA\_F  
ClientSampleId :  
CO2

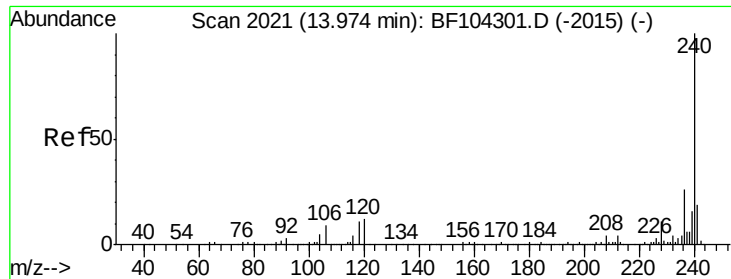
Tot Ion:163 Resp: 88747  
Ion Ratio Lower Upper  
163 100  
194 3.9 2.7 4.1  
164 9.1 8.2 12.2



#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.33 min Scan# 1572  
Delta R.T. -0.01 min  
Lab File: BF104506.D  
Acq: 14 Apr 2018 5:44

Tgt Ion:188 Resp: 328932  
Ion Ratio Lower Upper  
188 100  
94 10.2 8.5 12.7  
80 11.0 9.2 13.8

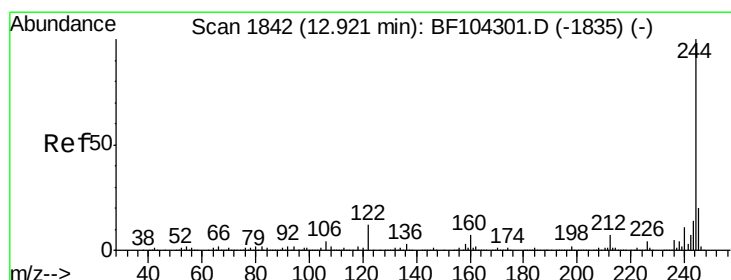
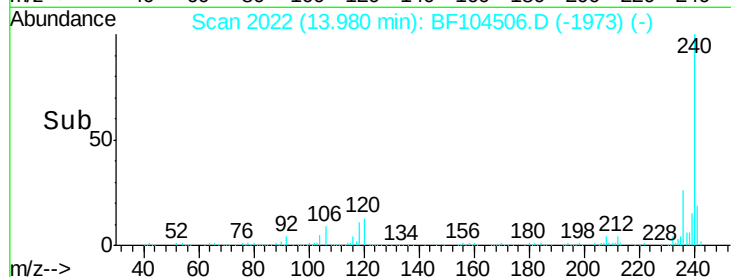
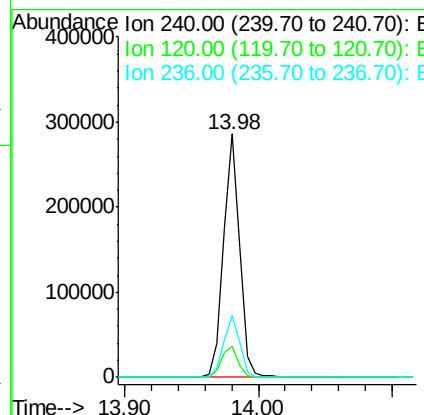
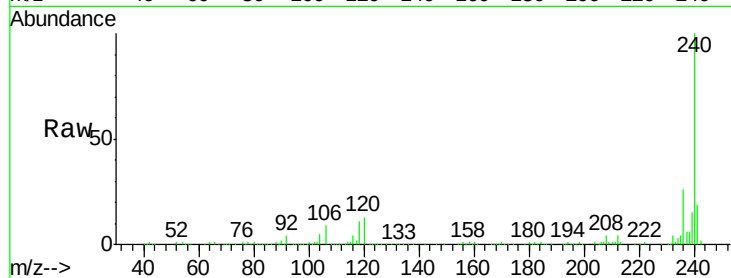




#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.98 min Scan# 2022  
Delta R.T. -0.01 min  
Lab File: BF104506.D  
Acq: 14 Apr 2018 5:44

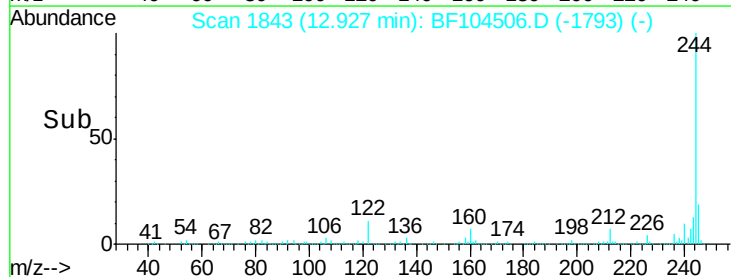
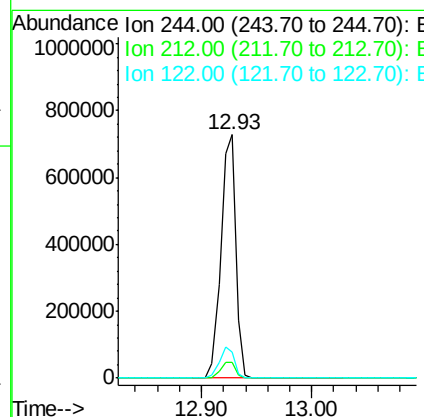
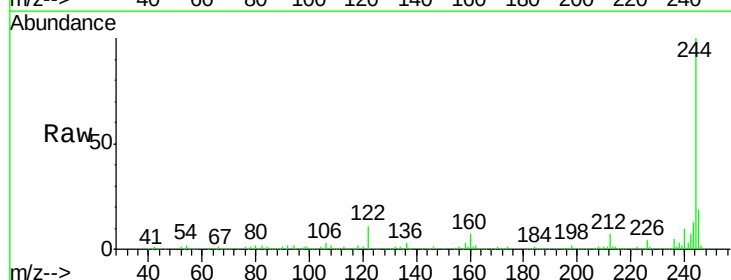
Instrument :  
BNA\_F  
ClientSampleId :  
CO2

Tot Ion:240 Resp: 244968  
Ion Ratio Lower Upper  
240 100  
120 12.6 9.5 14.3  
236 25.5 20.7 31.1

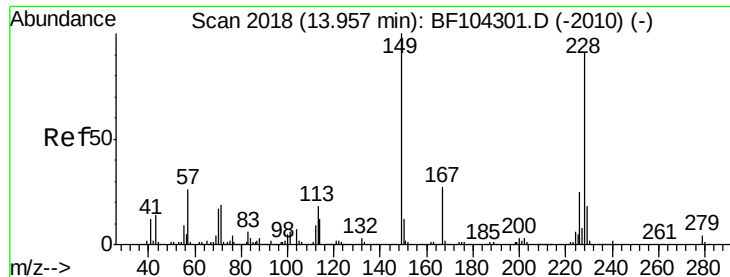


#78  
Terphenyl-d14  
Concen: 63.169 ng  
RT: 12.93 min Scan# 1843  
Delta R.T. -0.01 min  
Lab File: BF104506.D  
Acq: 14 Apr 2018 5:44

Tgt Ion:244 Resp: 678757  
Ion Ratio Lower Upper  
244 100  
212 6.6 5.4 8.0  
122 10.7 11.0 16.4#







#83

Bis(2-ethylhexyl)phthalate

Concen: 12.866 ng

RT: 13.96 min Scan# 2018

Delta R.T. -0.01 min

Lab File: BF104506.D

Acq: 14 Apr 2018 5:44

Instrument :

BNA\_F

ClientSampleId :

CO2

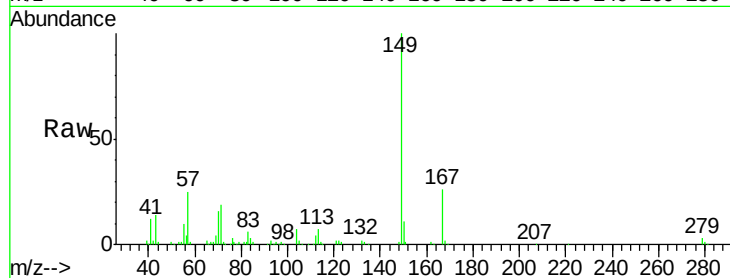
Tot Ion:149 Resp: 141569

Ion Ratio Lower Upper

149 100

167 25.7 21.3 31.9

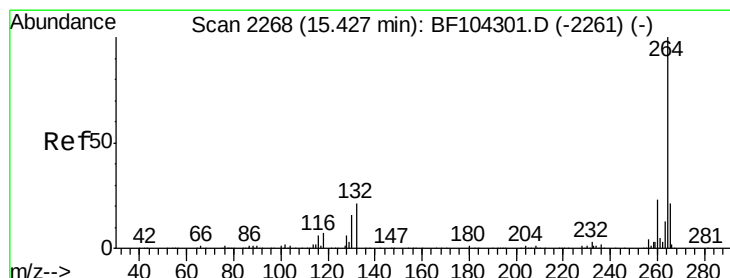
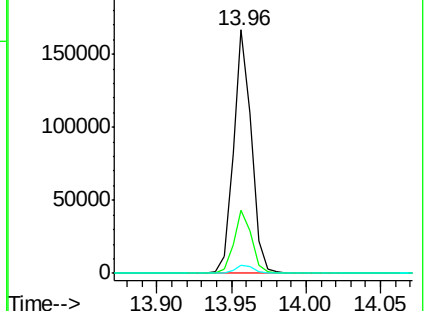
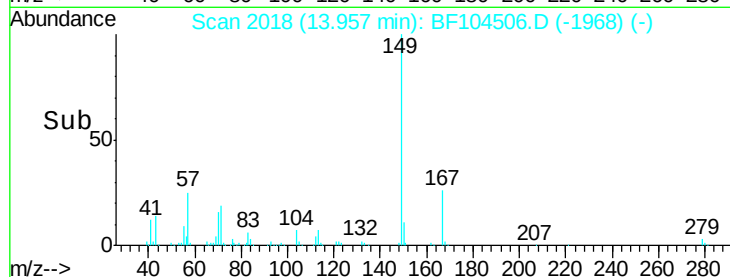
279 3.1 3.0 4.4



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.45 min Scan# 2272

Delta R.T. -0.01 min

Lab File: BF104506.D

Acq: 14 Apr 2018 5:44

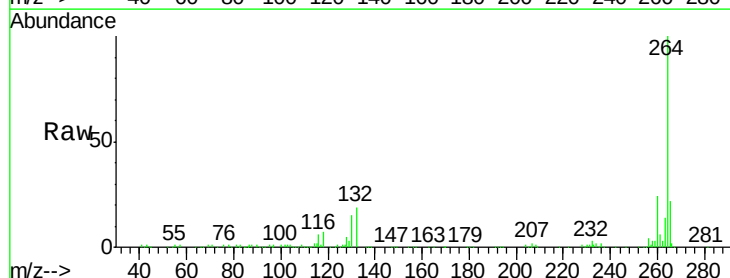
Tgt Ion:264 Resp: 198894

Ion Ratio Lower Upper

264 100

260 24.0 19.2 28.8

265 21.5 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

