

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF062618\  
 Data File : BF106836.D  
 Acq On : 26 Jun 2018 21:12  
 Operator : JU/SJ  
 Sample : J3570-01  
 Misc :  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 20180371-COMPOSITE-CS-1A

Quant Time: Jun 27 01:11:22 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF061918.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 25 18:50:17 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.96  | 152  | 42331    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.24  | 136  | 145949   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 10.00 | 164  | 64378    | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 11.49 | 188  | 125019   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 14.15 | 240  | 118279   | 20.00 | ng    | -0.02    |
| 86) Perylene-d12          | 15.69 | 264  | 78891    | 20.00 | ng    | -0.03    |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 5) 2-Fluorophenol           | 5.61  | 112  | 233018   | 93.21 | ng    | 0.00     |
| 7) Phenol-d6                | 6.61  | 99   | 280828   | 89.96 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.52  | 82   | 171884   | 65.45 | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 10.80 | 330  | 68796    | 92.20 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.32  | 172  | 270879   | 68.33 | ng    | 0.00     |
| 78) Terphenyl-d14           | 13.08 | 244  | 302684   | 61.99 | ng    | 0.00     |

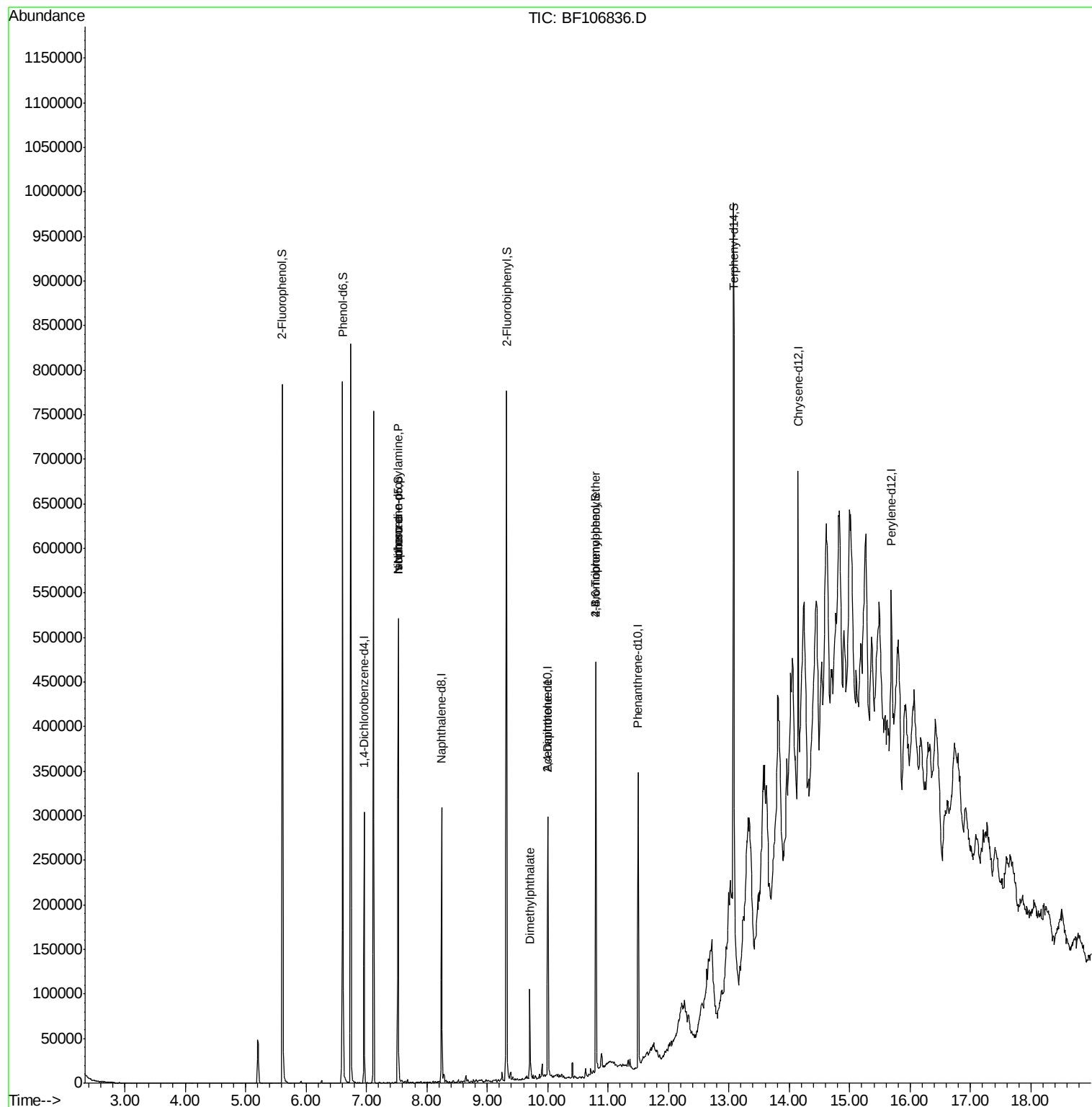
| Target Compounds               | R.T.  | QIon | Response | Conc   | Units | Qvalue |
|--------------------------------|-------|------|----------|--------|-------|--------|
| 19) n-Nitroso-di-n-propylamine | 7.52  | 70   | 22130    | 10.754 | ng    | # 74   |
| 25) Isophorone                 | 7.52  | 82   | 171881   | 37.141 | ng    | # 64   |
| 49) Dimethylphthalate          | 9.71  | 163  | 38992    | 8.076  | ng    | # 98   |
| 56) 2,4-Dinitrotoluene         | 10.00 | 165  | 8278     | 6.203  | ng    | # 21   |
| 66) 4-Bromophenyl-phenylether  | 10.80 | 248  | 4245     | 2.845  | ng    | # 1    |

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

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Sample : J3570-01  
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Instrument :  
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20180371-COMPOSITE-CS-1A

Quant Time: Jun 27 01:11:22 2018  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF061918.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Jun 25 18:50:17 2018  
Response via : Initial Calibration

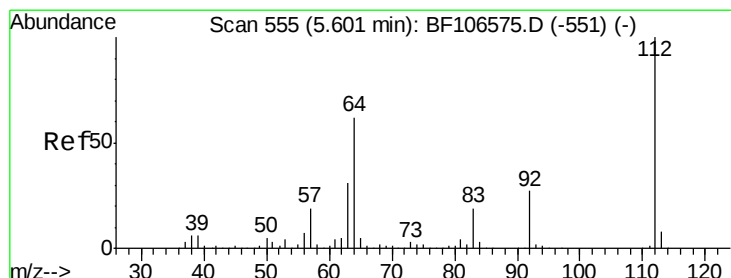
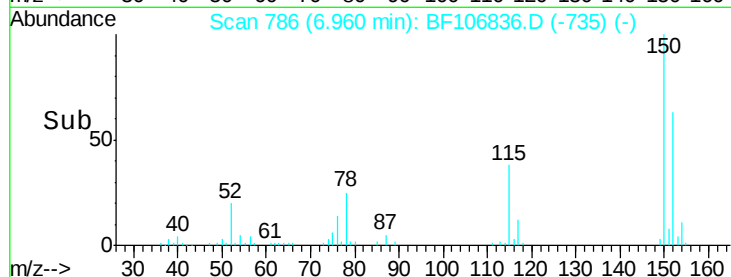
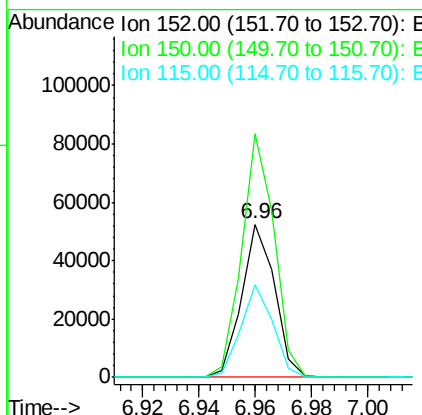
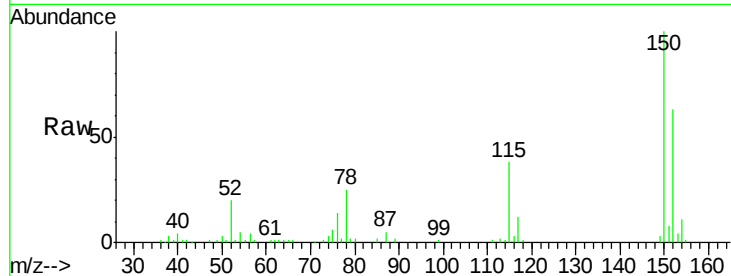




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.96 min Scan# 786  
 Delta R.T. -0.00 min  
 Lab File: BF106836.D  
 Acq: 26 Jun 2018 21:12

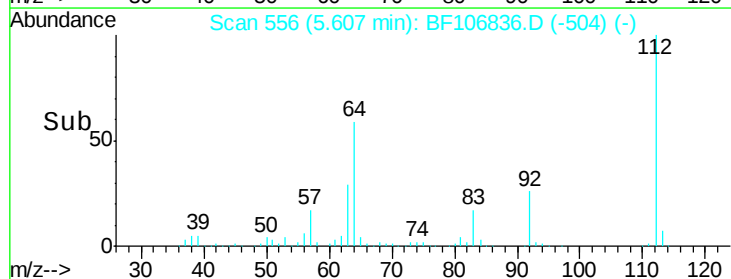
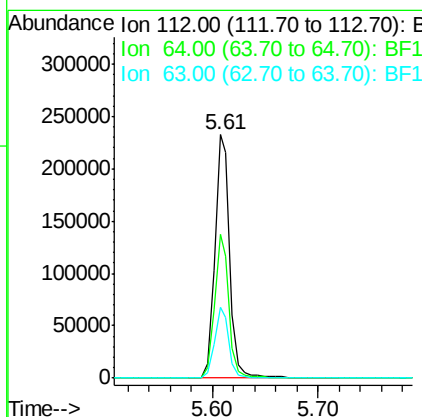
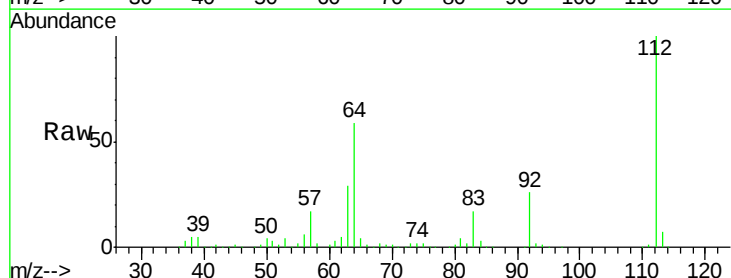
Instrument :  
 BNA\_F  
 ClientSampleId :  
 20180371-COMPOSITE-CS-1A

Tgt Ion:152 Resp: 42331  
 Ion Ratio Lower Upper  
 152 100  
 150 158.8 124.6 186.8  
 115 60.3 50.1 75.1



#5  
 2-Fluorophenol  
 Concen: 93.211 ng  
 RT: 5.61 min Scan# 556  
 Delta R.T. 0.01 min  
 Lab File: BF106836.D  
 Acq: 26 Jun 2018 21:12

Tgt Ion:112 Resp: 233018  
 Ion Ratio Lower Upper  
 112 100  
 64 59.2 47.9 71.9  
 63 29.1 23.7 35.5





#7

Phenol-d6

Concen: 89.955 ng

RT: 6.61 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF106836.D

Acq: 26 Jun 2018 21:12

Instrument :

BNA\_F

ClientSampleId :

20180371-COMPOSITE-CS-1A

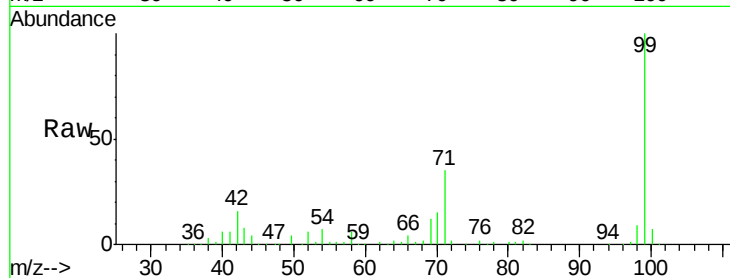
Tgt Ion: 99 Resp: 280828

Ion Ratio Lower Upper

99 100

42 16.4 14.5 21.7

71 35.0 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

6.61

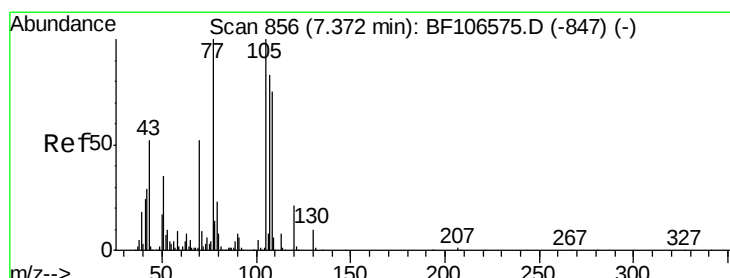
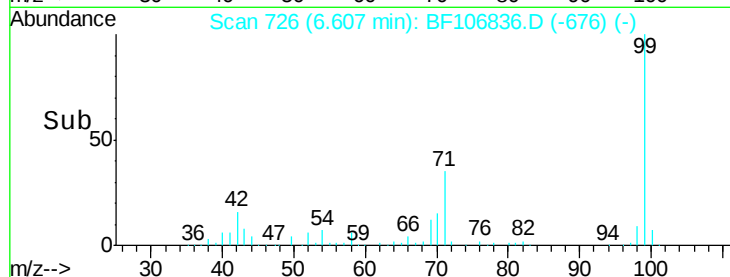
300000

200000

100000

0

Time-->



#19

n-Nitroso-di-n-propylamine

Concen: 10.754 ng

RT: 7.52 min Scan# 882

Delta R.T. 0.14 min

Lab File: BF106836.D

Acq: 26 Jun 2018 21:12

Tgt Ion: 70 Resp: 22130

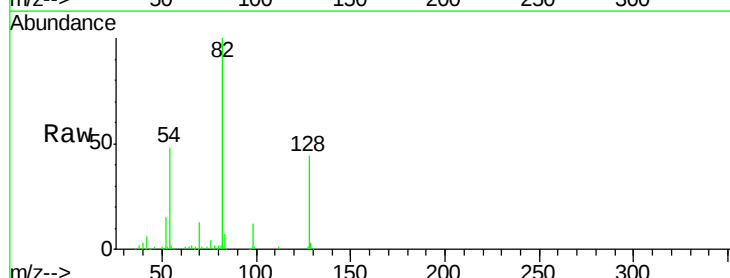
Ion Ratio Lower Upper

70 100

42 44.0 47.5 71.3#

101 0.0 7.4 11.2#

130 2.1 16.6 25.0#



Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

7.52

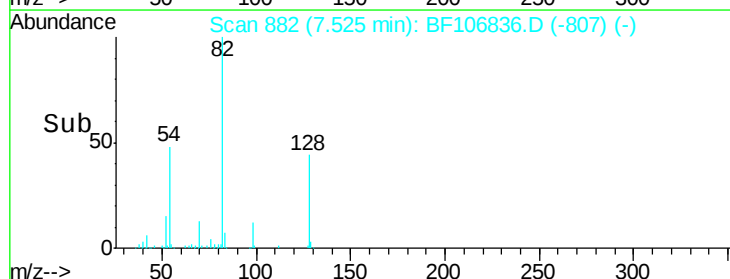
30000

20000

10000

0

Time-->

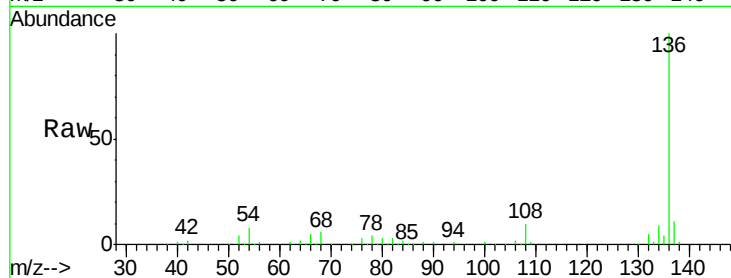




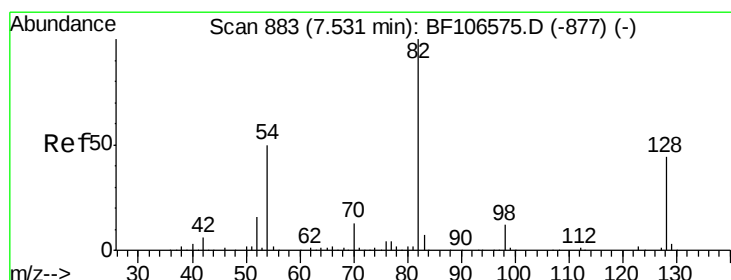
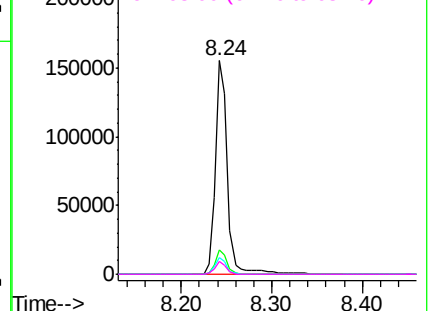
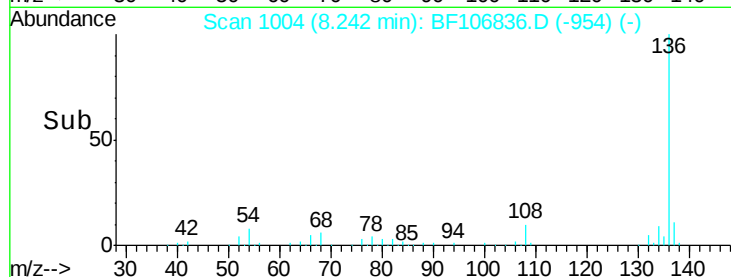
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.24 min Scan# 1004  
Delta R.T. -0.01 min  
Lab File: BF106836.D  
Acq: 26 Jun 2018 21:12

Instrument :  
BNA\_F  
ClientSampleId :  
20180371-COMPOSITE-CS-1A

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 145949 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.1  | 8.9   | 13.3   |
| 54       | 7.9   | 6.6   | 9.8    |
| 68       | 6.1   | 5.0   | 7.4    |

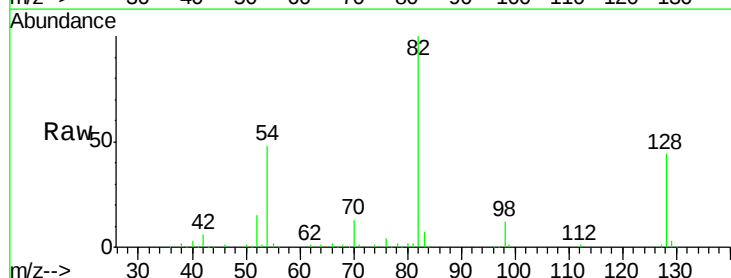


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF1  
Ion 68.00 (67.70 to 68.70): BF1

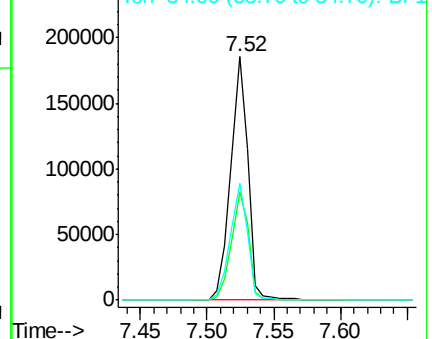
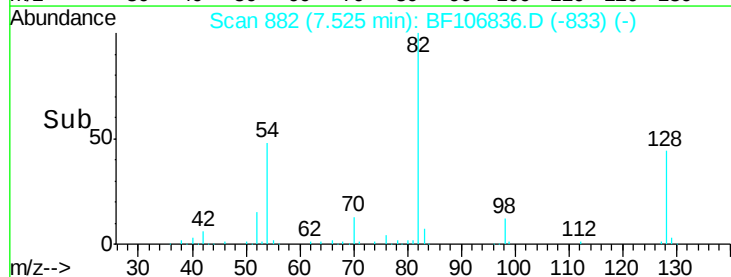


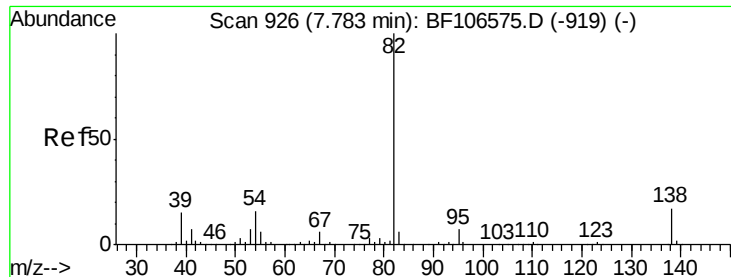
#23  
Nitrobenzene-d5  
Concen: 65.449 ng  
RT: 7.52 min Scan# 882  
Delta R.T. -0.01 min  
Lab File: BF106836.D  
Acq: 26 Jun 2018 21:12

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 171884 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 44.4  | 36.1  | 54.1   |
| 54       | 48.3  | 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





#25

Isophorone

Concen: 37.141 ng

RT: 7.52 min Scan# 882

Delta R.T. -0.26 min

Lab File: BF106836.D

Acq: 26 Jun 2018 21:12

Instrument :

BNA\_F

ClientSampleId :

20180371-COMPOSITE-CS-1A

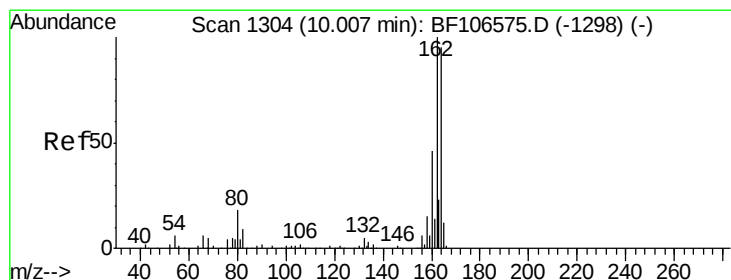
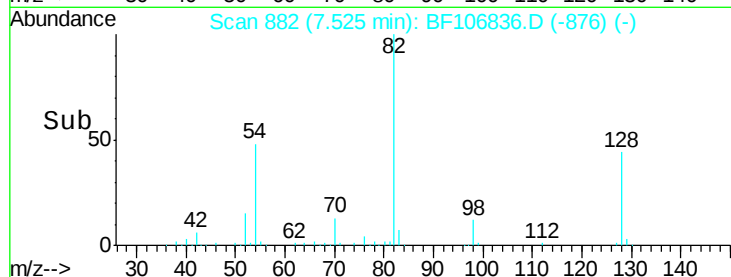
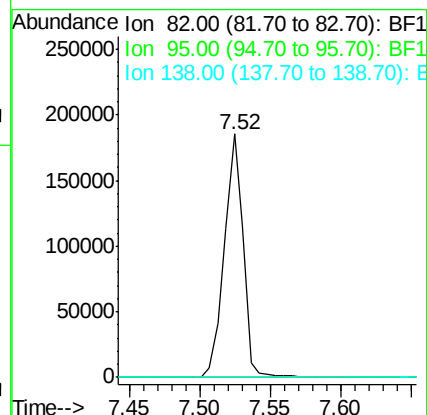
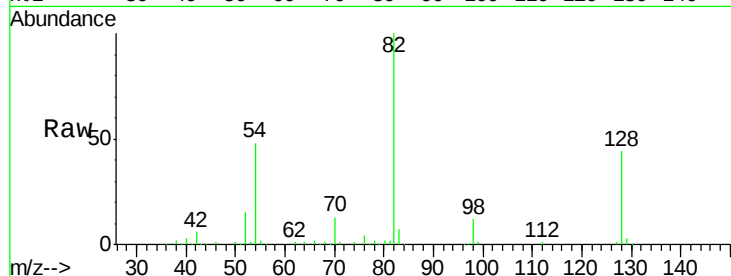
Tgt Ion: 82 Resp: 171881

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.00 min Scan# 1303

Delta R.T. -0.01 min

Lab File: BF106836.D

Acq: 26 Jun 2018 21:12

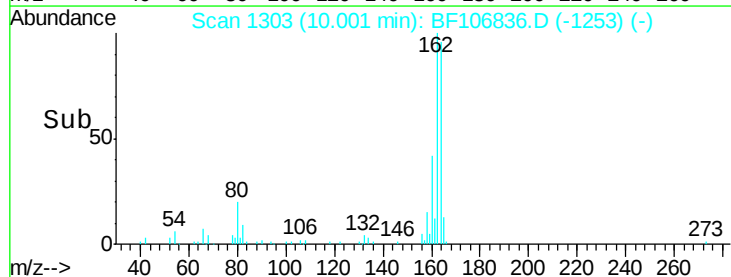
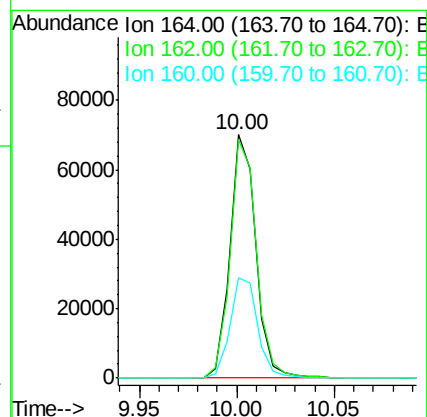
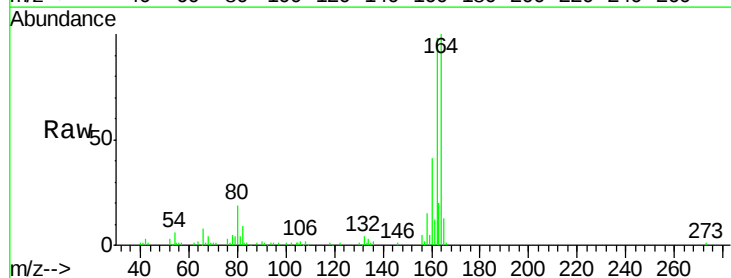
Tgt Ion: 164 Resp: 64378

Ion Ratio Lower Upper

164 100

162 98.1 86.1 129.1

160 41.1 38.3 57.5

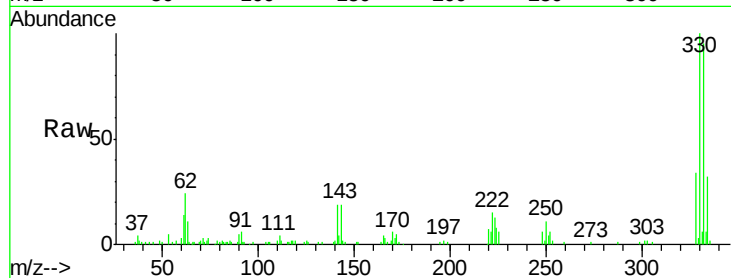




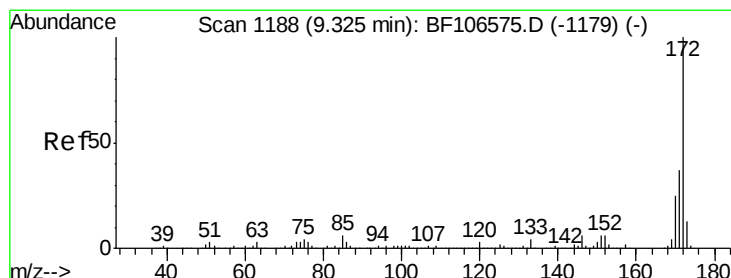
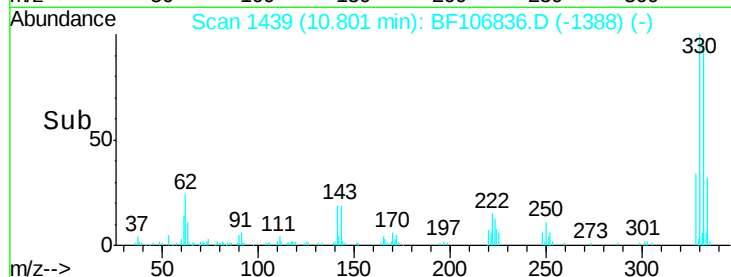
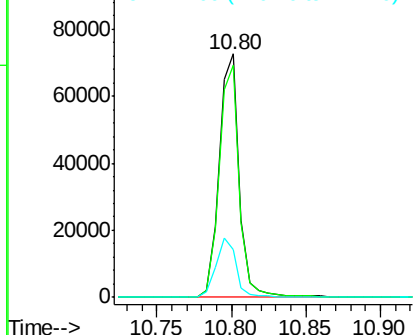
#41  
 2,4,6-Tribromophenol  
 Concen: 92.200 ng  
 RT: 10.80 min Scan# 1439  
 Delta R.T. -0.00 min  
 Lab File: BF106836.D  
 Acq: 26 Jun 2018 21:12

Instrument :  
 BNA\_F  
 ClientSampleId :  
 20180371-COMPOSITE-CS-1A

Tgt Ion:330 Resp: 68796  
 Ion Ratio Lower Upper  
 330 100  
 332 95.6 77.0 115.6  
 141 24.2 29.9 44.9#

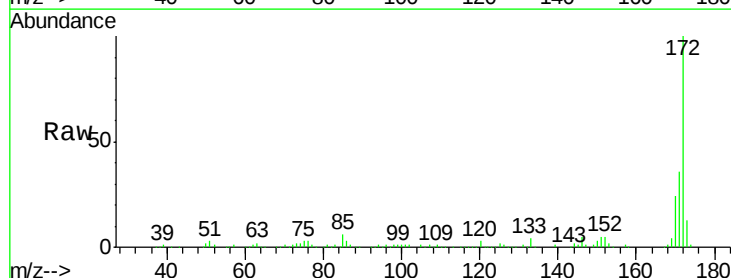


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

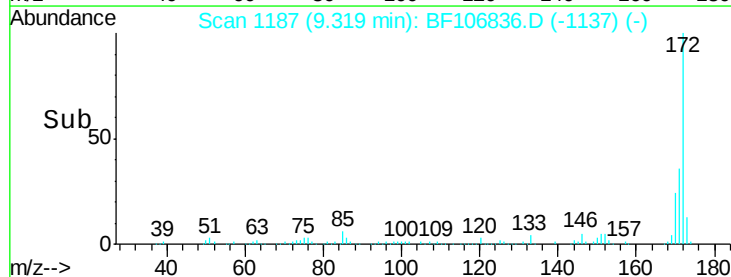
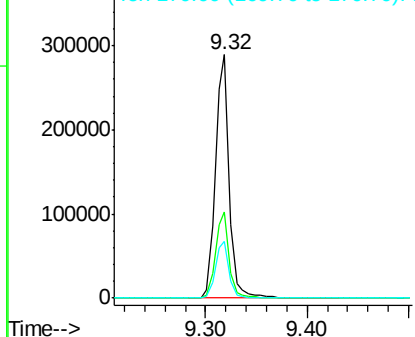


#44  
 2-Fluorobiphenyl  
 Concen: 68.326 ng  
 RT: 9.32 min Scan# 1187  
 Delta R.T. -0.01 min  
 Lab File: BF106836.D  
 Acq: 26 Jun 2018 21:12

Tgt Ion:172 Resp: 270879  
 Ion Ratio Lower Upper  
 172 100  
 171 35.5 29.7 44.5  
 170 23.5 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

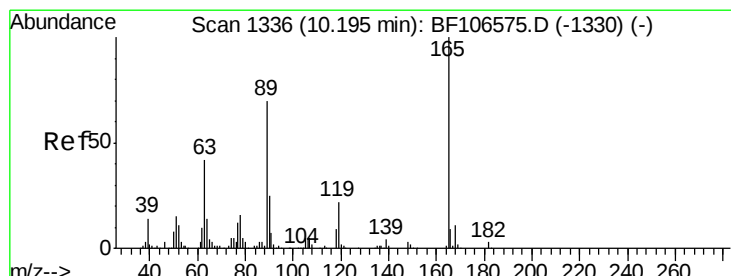
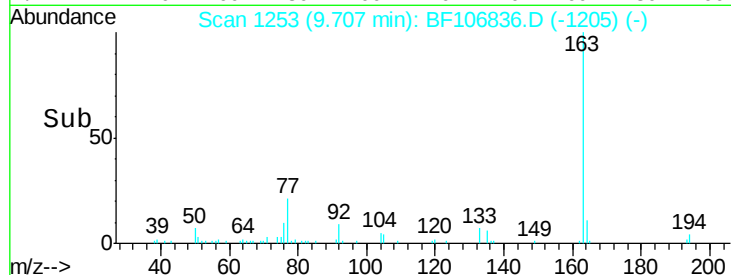
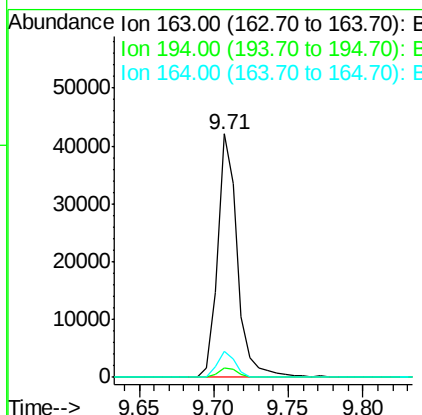
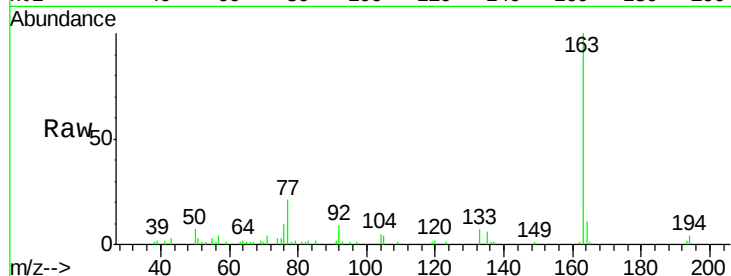




#49  
Dimethylphthalate  
Concen: 8.076 ng  
RT: 9.71 min Scan# 1253  
Delta R.T. -0.02 min  
Lab File: BF106836.D  
Acq: 26 Jun 2018 21:12

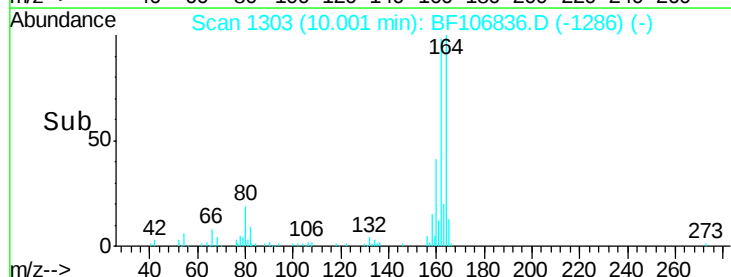
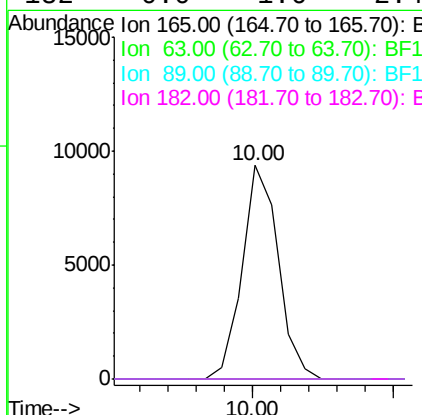
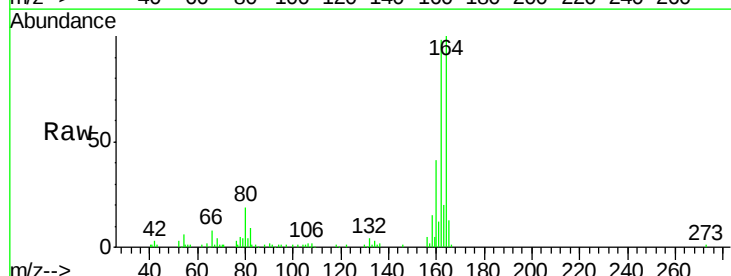
Instrument :  
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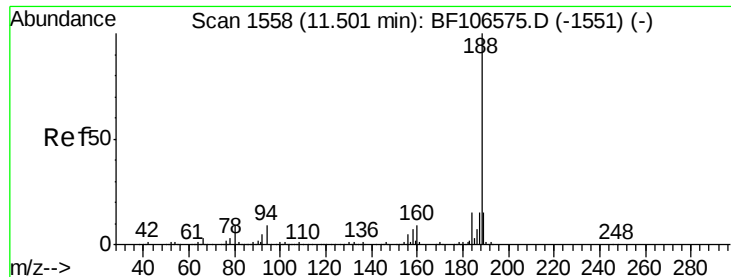
Tgt Ion:163 Resp: 38992  
Ion Ratio Lower Upper  
163 100  
194 4.1 2.7 4.1#  
164 10.9 8.2 12.2



#56  
2,4-Dinitrotoluene  
Concen: 6.203 ng  
RT: 10.00 min Scan# 1303  
Delta R.T. -0.20 min  
Lab File: BF106836.D  
Acq: 26 Jun 2018 21:12

Tgt Ion:165 Resp: 8278  
Ion Ratio Lower Upper  
165 100  
63 0.0 36.4 54.6#  
89 0.0 57.8 86.6#  
182 0.0 1.6 2.4#

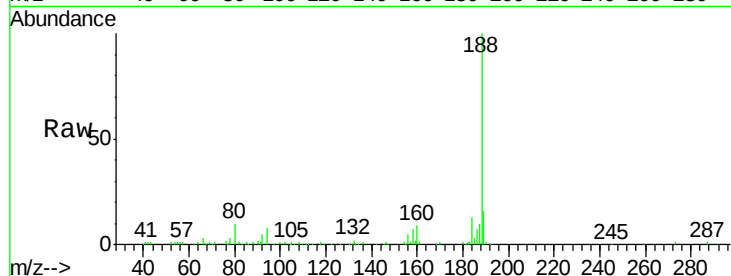




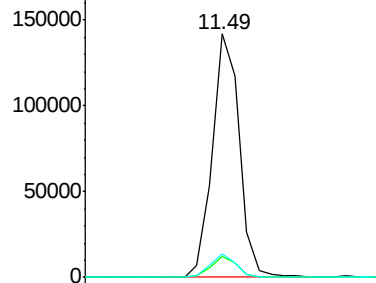
#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.49 min Scan# 1557  
Delta R.T. -0.01 min  
Lab File: BF106836.D  
Acq: 26 Jun 2018 21:12

Instrument :  
BNA\_F  
ClientSampleId :  
20180371-COMPOSITE-CS-1A

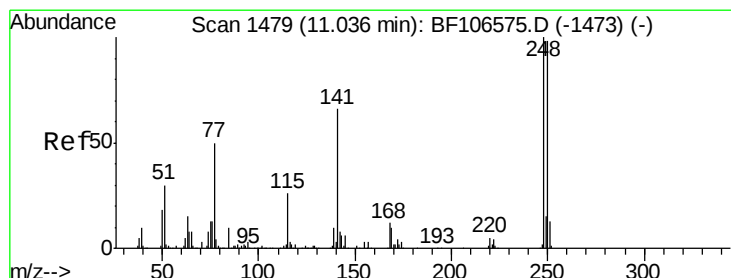
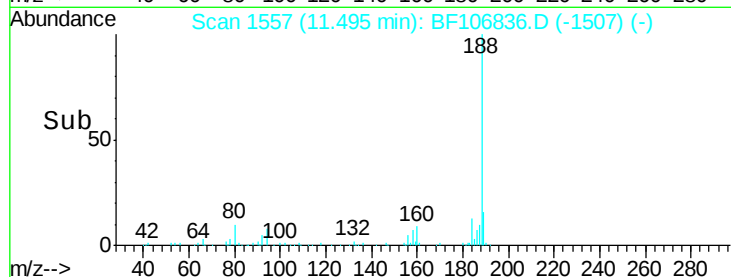
Tgt Ion:188 Resp: 125019  
Ion Ratio Lower Upper  
188 100  
94 8.4 8.5 12.7#  
80 9.9 9.2 13.8



Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF1  
Ion 80.00 (79.70 to 80.70): BF1

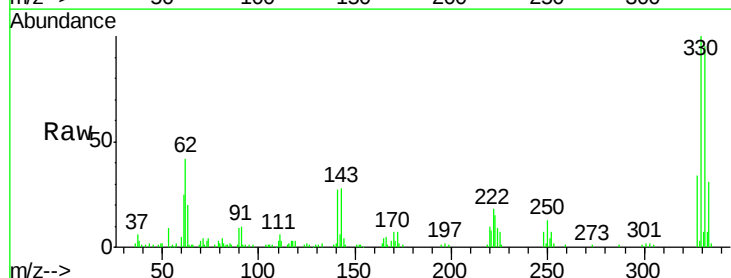


Time-->

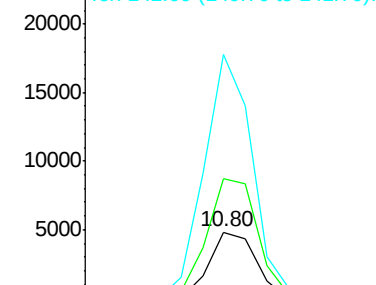


#66  
4-Bromophenyl-phenylether  
Concen: 2.845 ng  
RT: 10.80 min Scan# 1438  
Delta R.T. -0.24 min  
Lab File: BF106836.D  
Acq: 26 Jun 2018 21:12

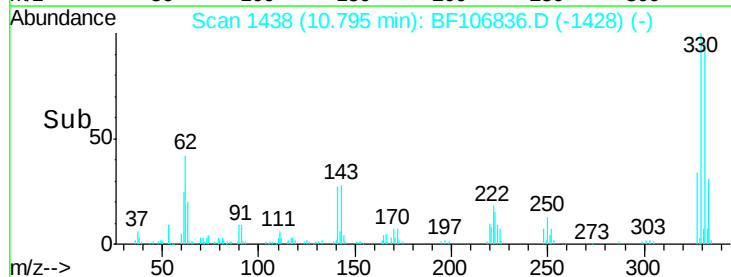
Tgt Ion:248 Resp: 4245  
Ion Ratio Lower Upper  
248 100  
250 181.5 76.9 115.3#  
141 368.6 74.4 111.6#

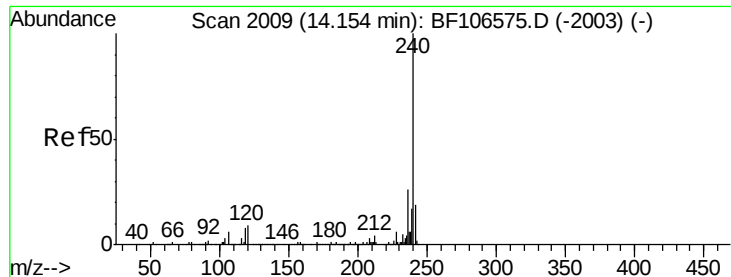


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E



Time-->





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.15 min Scan# 2008

Delta R.T. -0.02 min

Lab File: BF106836.D

Acq: 26 Jun 2018 21:12

Instrument :

BNA\_F

ClientSampleId :

20180371-COMPOSITE-CS-1A

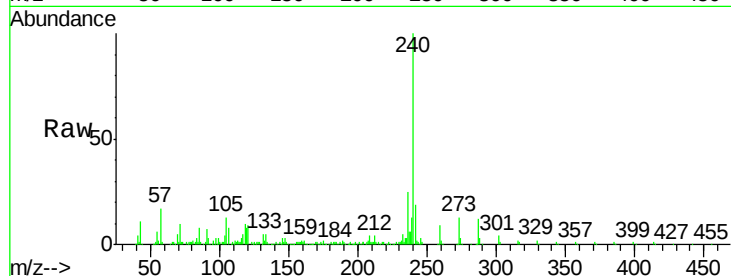
Tgt Ion:240 Resp: 118279

Ion Ratio Lower Upper

240 100

120 9.4 9.5 14.3#

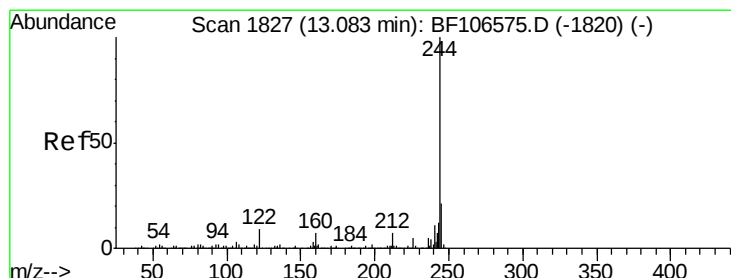
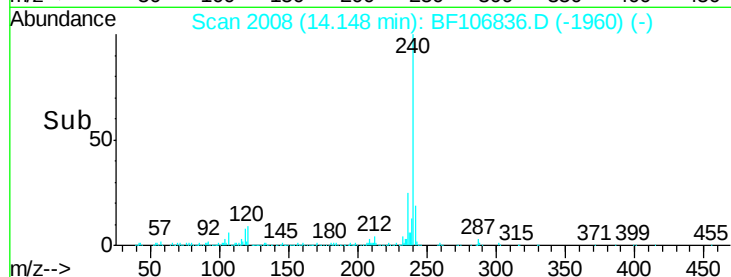
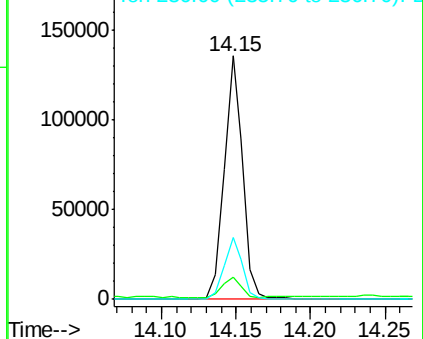
236 25.3 20.7 31.1



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: 61.988 ng

RT: 13.08 min Scan# 1826

Delta R.T. -0.01 min

Lab File: BF106836.D

Acq: 26 Jun 2018 21:12

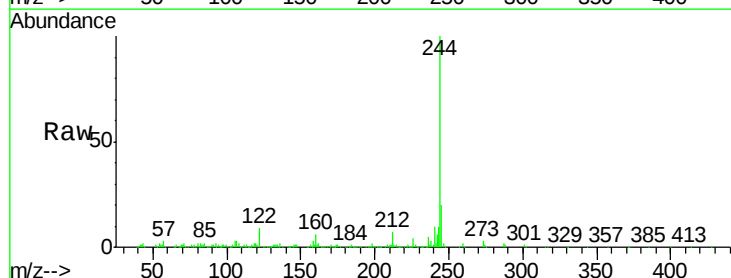
Tgt Ion:244 Resp: 302684

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

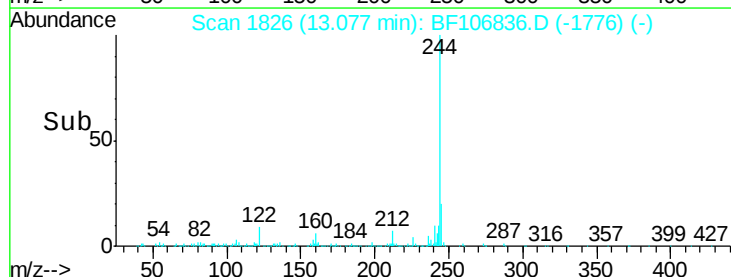
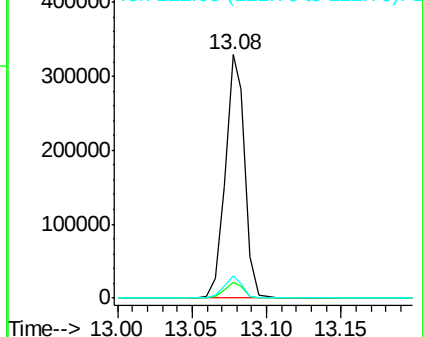
122 8.9 11.0 16.4#

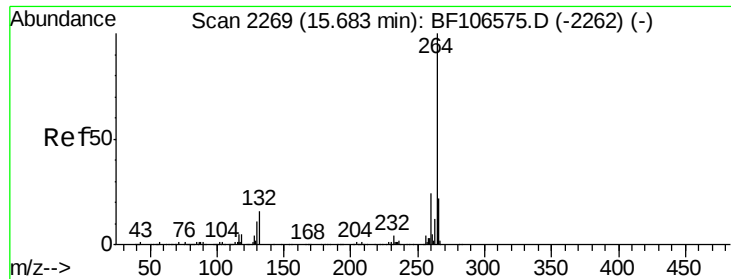


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

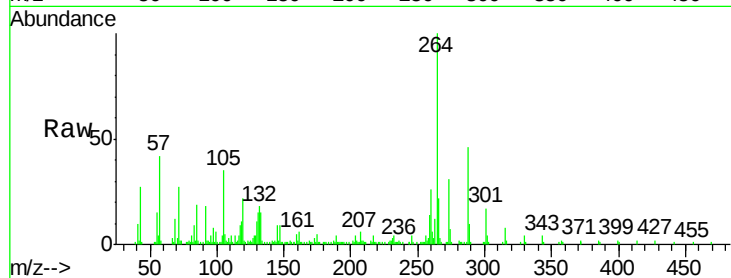




#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.69 min Scan# 2270  
Delta R.T. -0.03 min  
Lab File: BF106836.D  
Acq: 26 Jun 2018 21:12

Instrument :  
BNA\_F  
ClientSampleId :  
20180371-COMPOSITE-CS-1A

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 25.8  | 19.2  | 28.8  |
| 265     | 22.3  | 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

