

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121118\  
 Data File : BF111272.D  
 Acq On : 11 Dec 2018 12:14  
 Operator : JU/SJ  
 Sample : J6224-01  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 S-1

Quant Time: Dec 11 13:31:42 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120818.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Dec 10 01:15:27 2018  
 Response via : Initial Calibration

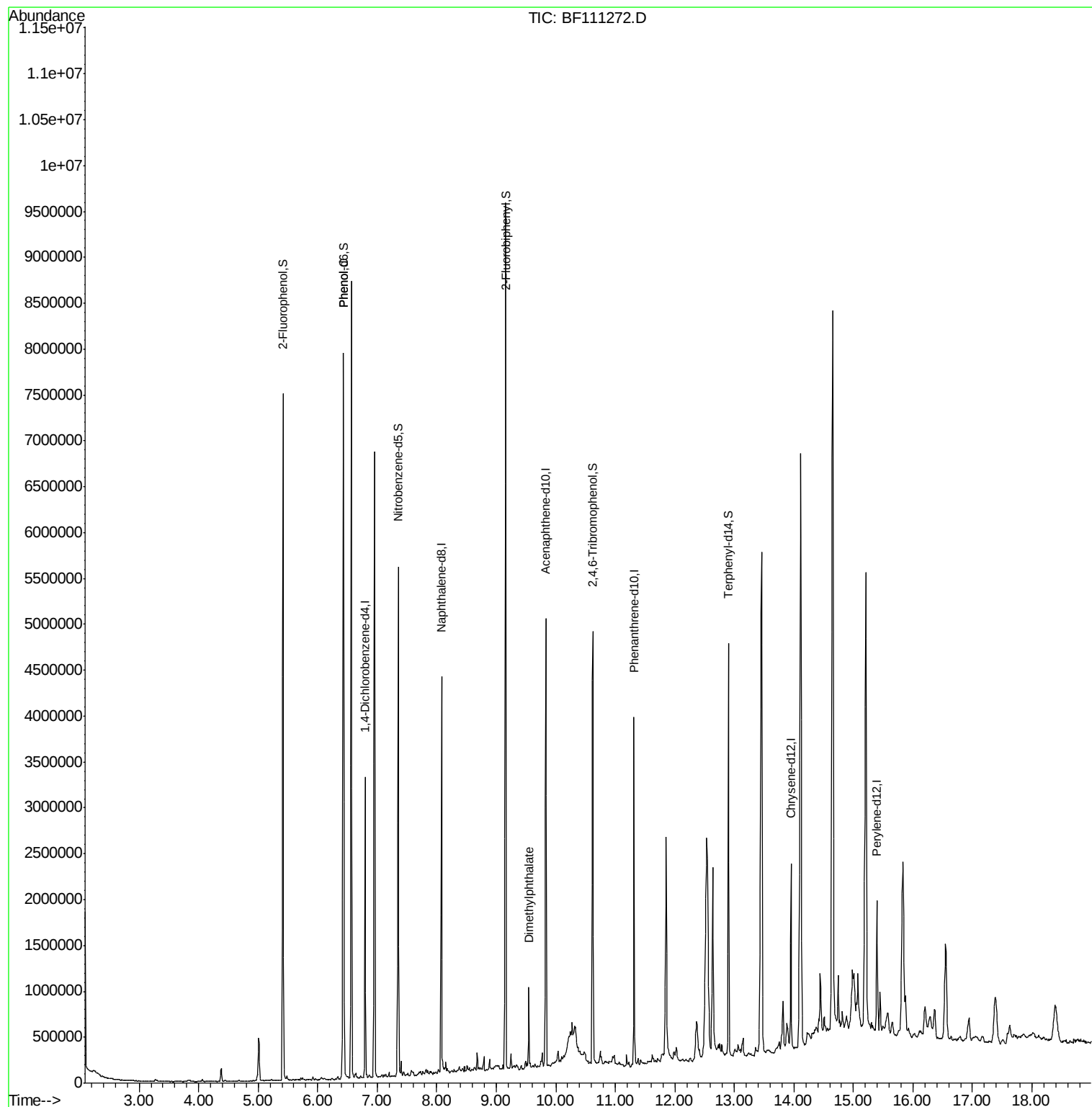
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.80  | 152  | 489697   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.08  | 136  | 1974572  | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10        | 9.83  | 164  | 927071   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10        | 11.32 | 188  | 1230978  | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12            | 13.95 | 240  | 619633   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12            | 15.40 | 264  | 631672   | 20.00 | ng    | 0.01     |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.42  | 112  | 2286006  | 73.71 | ng    | 0.01     |
| 7) Phenol-d6                | 6.43  | 99   | 2940145  | 76.29 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.36  | 82   | 1876667  | 53.31 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.62 | 330  | 528739   | 64.39 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.16  | 172  | 2876403  | 46.56 | ng    | 0.00     |
| 79) Terphenyl-d14           | 12.90 | 244  | 1422718  | 55.07 | ng    | 0.00     |
| Target Compounds            |       |      |          |       |       |          |
| 10) Phenol                  | 6.44  | 94   | 213655   | 4.741 | ng    | 92       |
| 50) Dimethylphthalate       | 9.55  | 163  | 305682   | 4.469 | ng    | 98       |

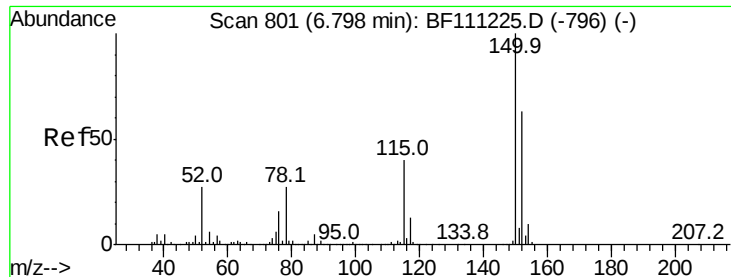
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121118\  
Data File : BF111272.D  
Acq On : 11 Dec 2018 12:14  
Operator : JU/SJ  
Sample : J6224-01  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
S-1

Quant Time: Dec 11 13:31:42 2018  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120818.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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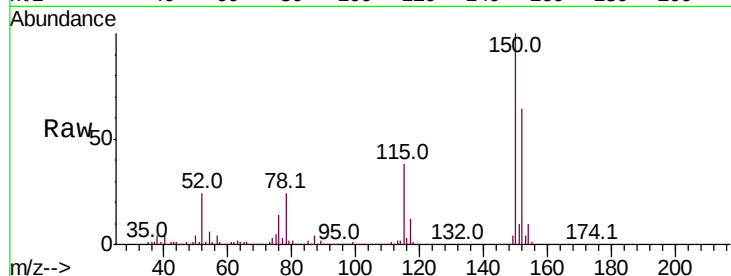


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.80 min Scan# 801  
Delta R.T. -0.00 min  
Lab File: BF111272.D  
Acq: 11 Dec 2018 12:14

Instrument :  
BNA\_F  
ClientSampled :  
S-1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 155.7 | 126.6 | 189.8 |
| 115     | 59.3  | 50.7  | 76.1  |

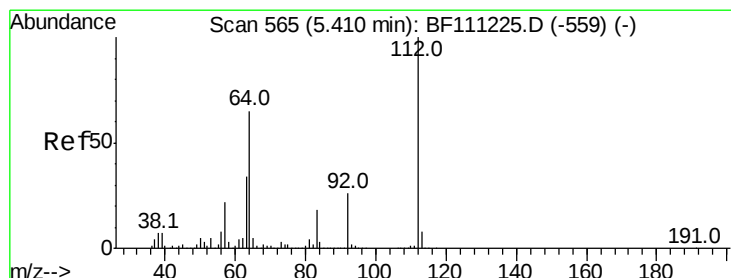
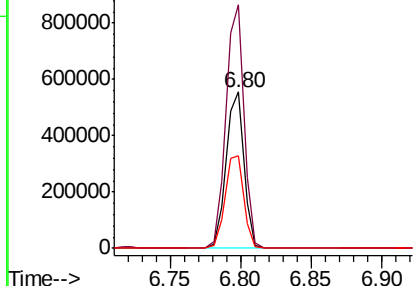
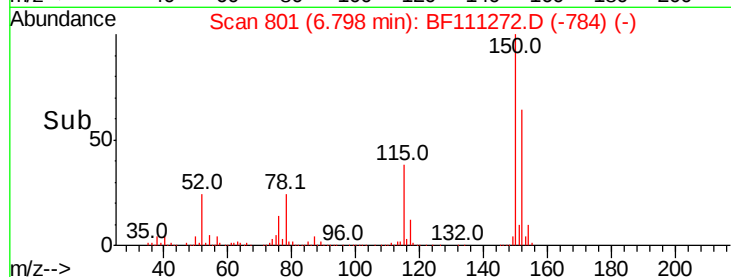


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

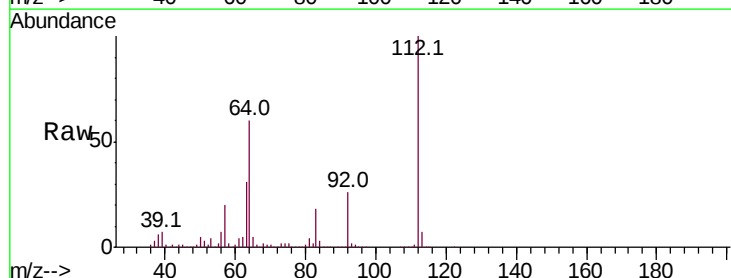
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol  
Concen: 73.714 ng  
RT: 5.42 min Scan# 567  
Delta R.T. 0.01 min  
Lab File: BF111272.D  
Acq: 11 Dec 2018 12:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 60.2  | 51.8  | 77.6  |
| 63      | 31.1  | 26.8  | 40.2  |

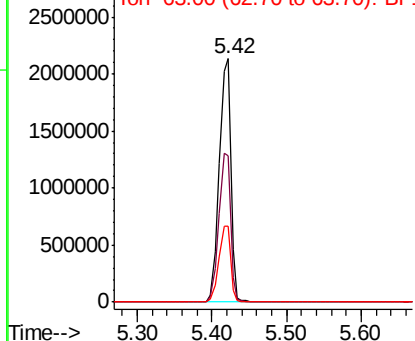
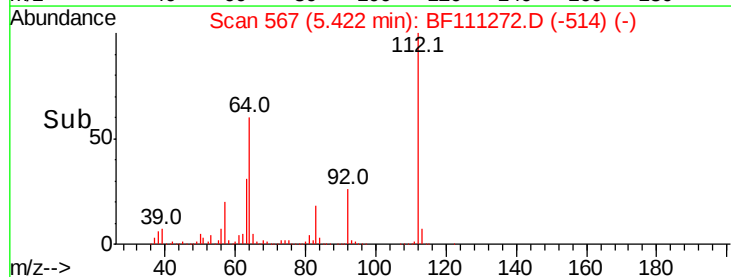


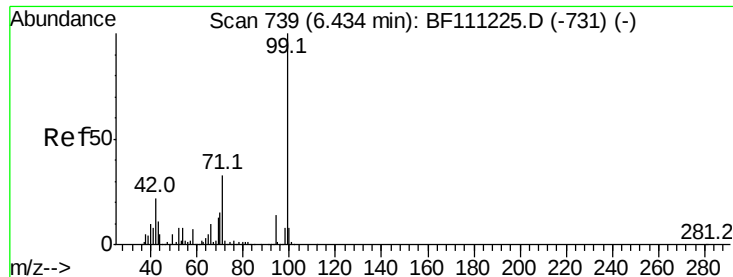
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 76.288 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.00 min

Lab File: BF111272.D

Acq: 11 Dec 2018 12:14

Instrument :

BNA\_F

ClientSampleId :

S-1

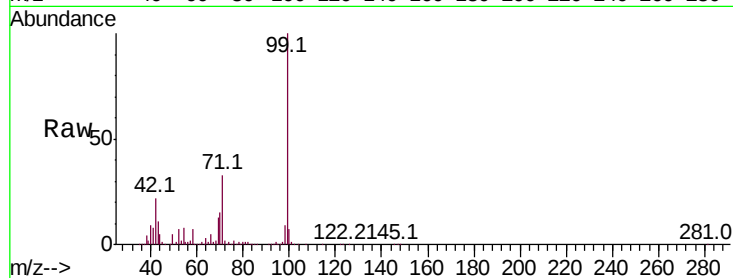
Tot Ion: 99 Resp: 2940145

Ion Ratio Lower Upper

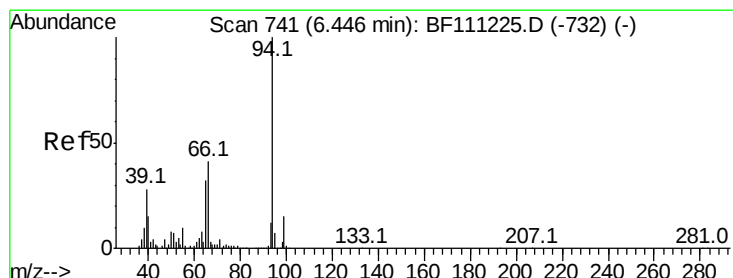
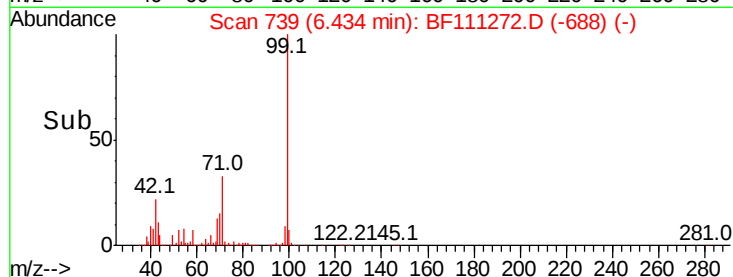
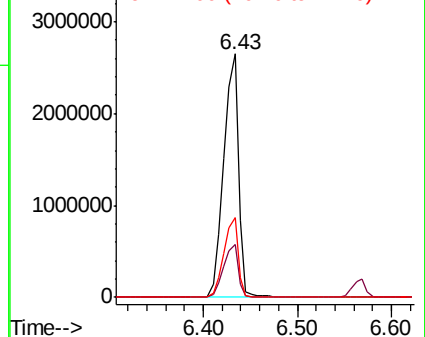
99 100

42 21.9 17.4 26.0

71 32.7 26.1 39.1



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



#10

Phenol

Concen: 4.741 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF111272.D

Acq: 11 Dec 2018 12:14

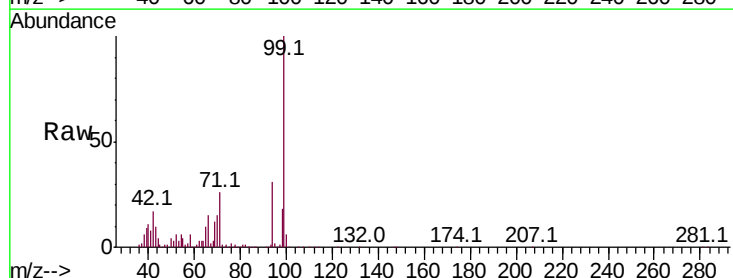
Tgt Ion: 94 Resp: 213655

Ion Ratio Lower Upper

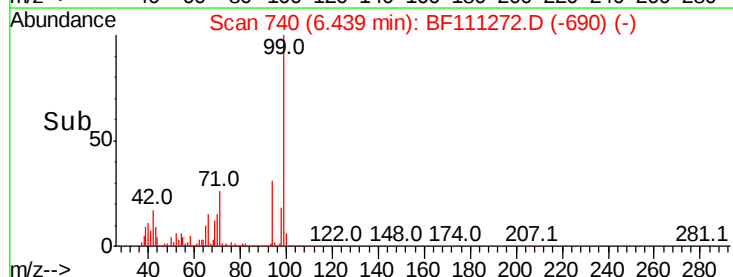
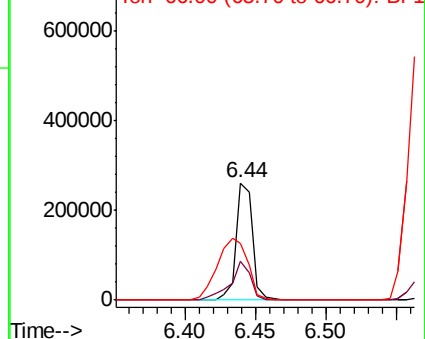
94 100

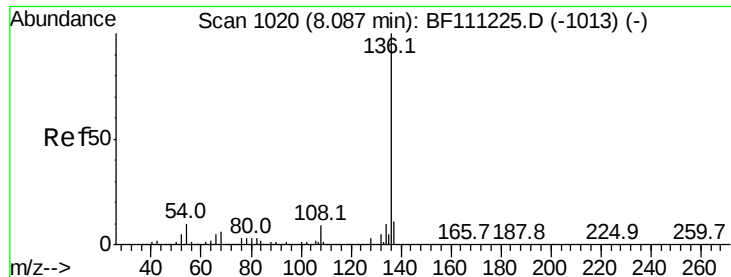
65 33.0 11.7 51.7

66 48.6 21.0 61.0



Abundance Ion 94.00 (93.70 to 94.70): BF1  
Ion 65.00 (64.70 to 65.70): BF1  
Ion 66.00 (65.70 to 66.70): BF1



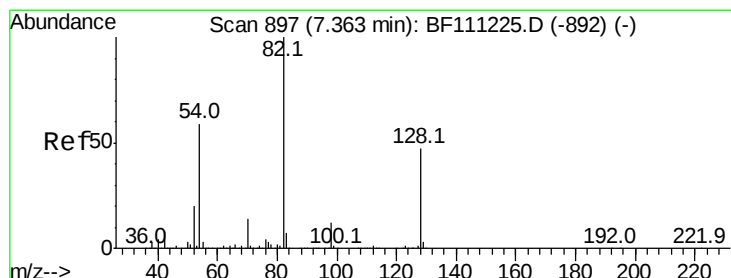
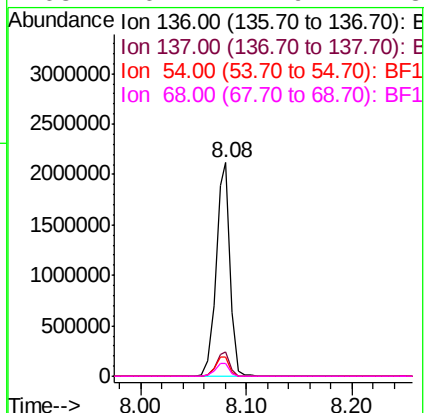
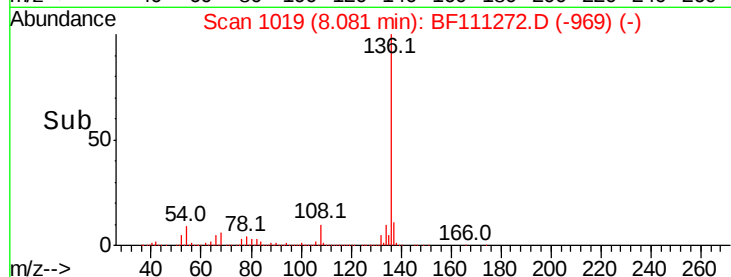
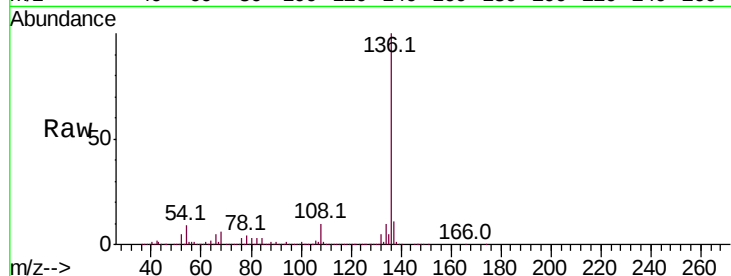


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.08 min Scan# 1019  
Delta R.T. -0.01 min  
Lab File: BF111272.D  
Acq: 11 Dec 2018 12:14

Instrument :  
BNA\_F  
ClientSampleId :  
S-1

Tot Ion:136 Resp: 1974572

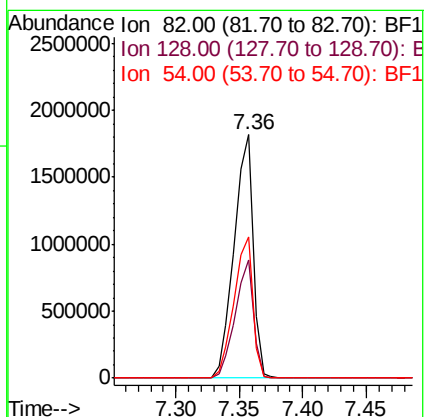
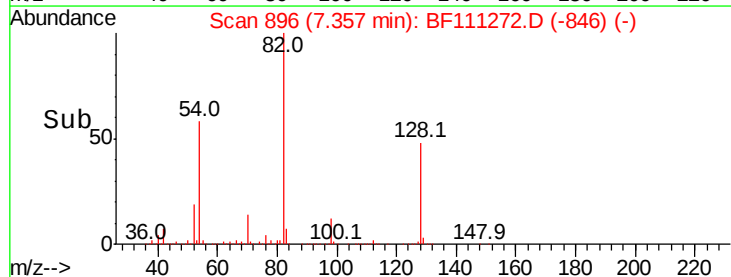
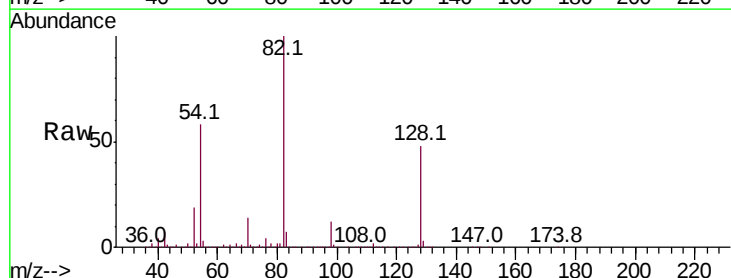
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 11.3  | 9.1   | 13.7  |
| 54  | 9.1   | 7.7   | 11.5  |
| 68  | 6.1   | 4.9   | 7.3   |

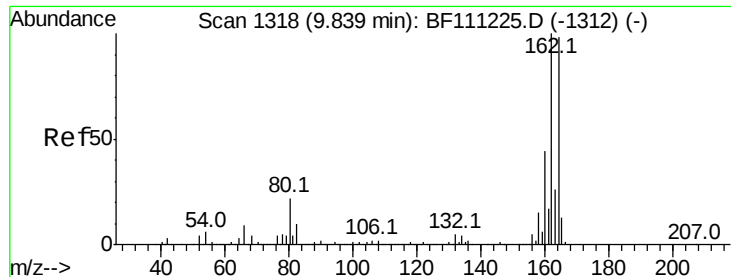


#23  
Nitrobenzene-d5  
Concen: 53.308 ng  
RT: 7.36 min Scan# 896  
Delta R.T. -0.01 min  
Lab File: BF111272.D  
Acq: 11 Dec 2018 12:14

Tgt Ion: 82 Resp: 1876667

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 48.4  | 37.4  | 56.2  |
| 54  | 58.1  | 47.6  | 71.4  |

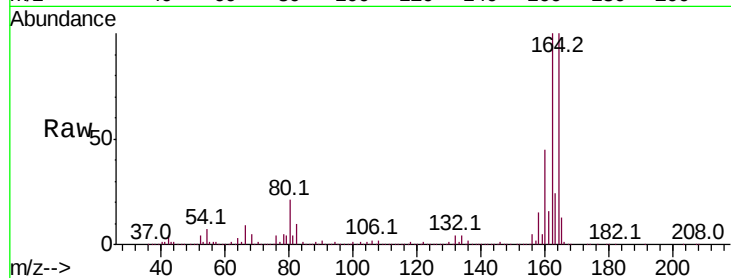




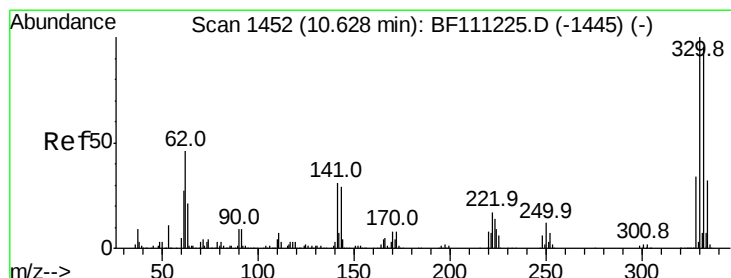
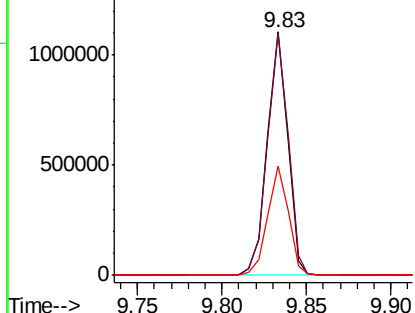
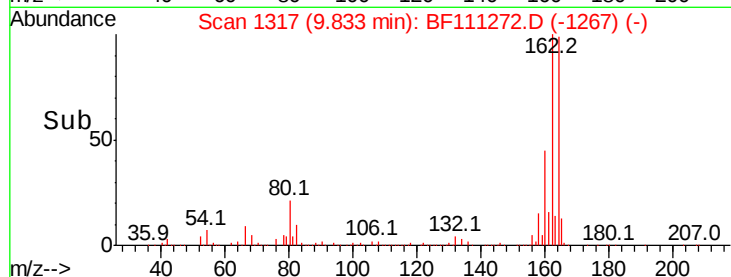
#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.83 min Scan# 1317  
 Delta R.T. -0.01 min  
 Lab File: BF111272.D  
 Acq: 11 Dec 2018 12:14

Instrument :  
 BNA\_F  
 ClientSampled :  
 S-1

Tot Ion:164 Resp: 927071  
 Ion Ratio Lower Upper  
 164 100  
 162 99.5 81.4 122.0  
 160 44.7 35.7 53.5

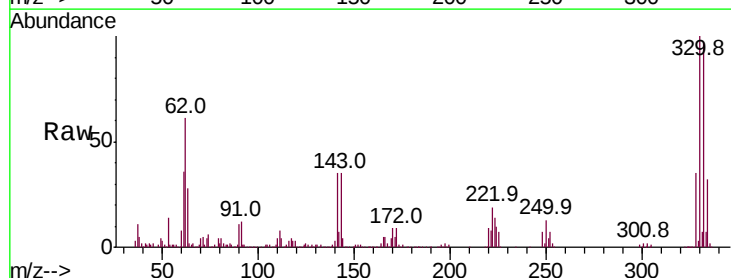


Abundance Ion 164.00 (163.70 to 164.70): E  
 1500000 Ion 162.00 (161.70 to 162.70): E  
 Ion 160.00 (159.70 to 160.70): E

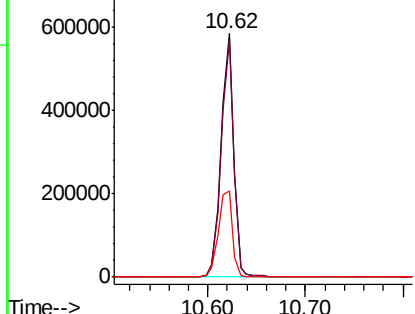
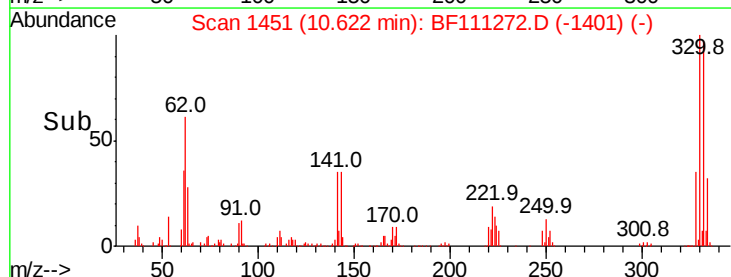


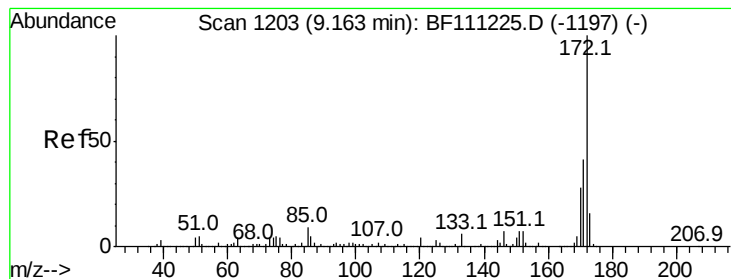
#42  
 2,4,6-Tribromophenol  
 Concen: 64.385 ng  
 RT: 10.62 min Scan# 1451  
 Delta R.T. -0.01 min  
 Lab File: BF111272.D  
 Acq: 11 Dec 2018 12:14

Tgt Ion:330 Resp: 528739  
 Ion Ratio Lower Upper  
 330 100  
 332 96.4 76.0 114.0  
 141 39.3 31.0 46.6



Abundance Ion 329.80 (329.50 to 330.50): E  
 800000 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E





#45

2-Fluorobiphenyl

Concen: 46.559 ng

RT: 9.16 min Scan# 1202

Delta R.T. -0.01 min

Lab File: BF111272.D

Acq: 11 Dec 2018 12:14

Instrument :

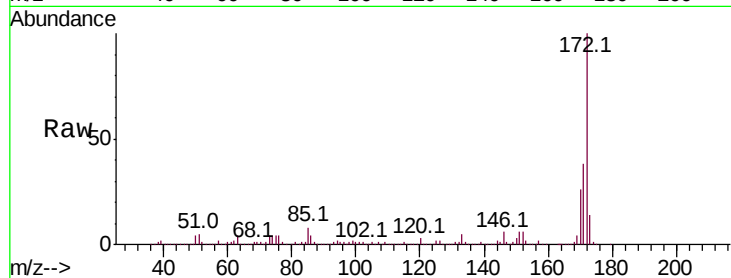
BNA\_F

ClientSampleId :

S-1

Tot Ion:172 Resp: 2876403

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 172 | 100   |       |       |
| 171 | 38.1  | 33.0  | 49.4  |
| 170 | 26.0  | 22.3  | 33.5  |

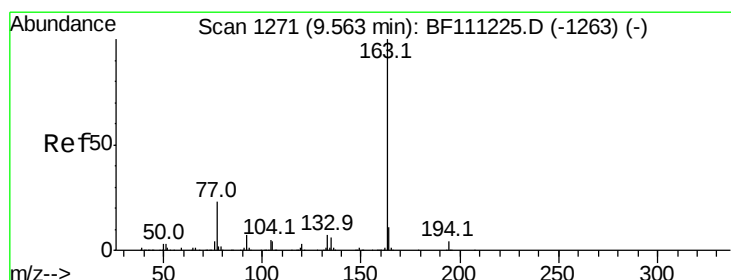
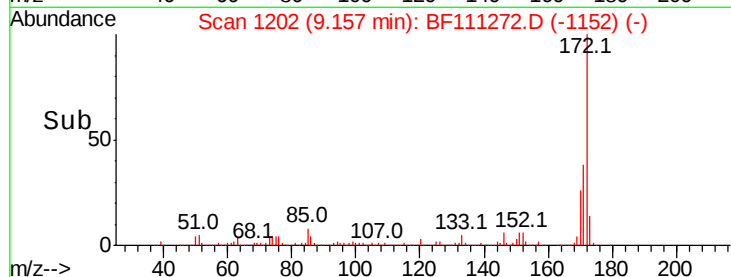
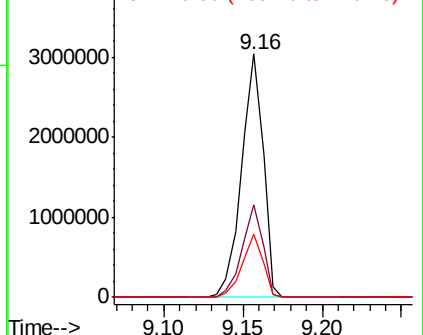


Abundance

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



#50

Dimethylphthalate

Concen: 4.469 ng

RT: 9.55 min Scan# 1268

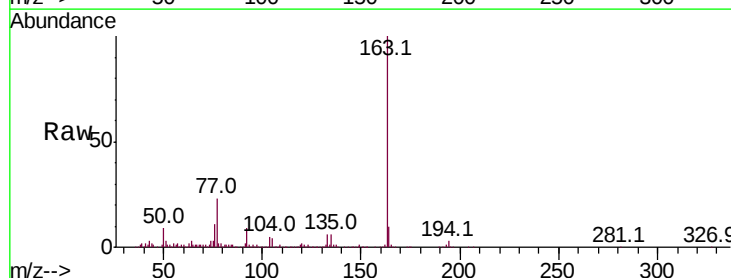
Delta R.T. -0.02 min

Lab File: BF111272.D

Acq: 11 Dec 2018 12:14

Tgt Ion:163 Resp: 305682

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 163 | 100   |       |       |
| 194 | 3.4   | 3.0   | 4.6   |
| 164 | 10.4  | 8.9   | 13.3  |

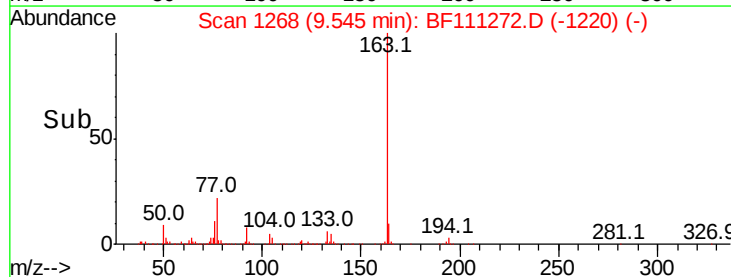
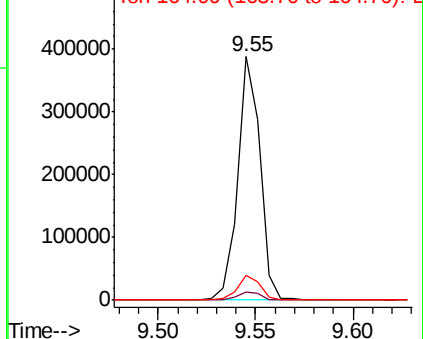


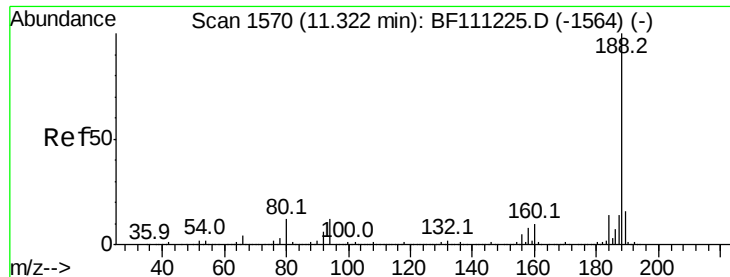
Abundance

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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.32 min Scan# 1569

Delta R.T. -0.01 min

Lab File: BF111272.D

Acq: 11 Dec 2018 12:14

Instrument :

BNA\_F

ClientSampleId :

S-1

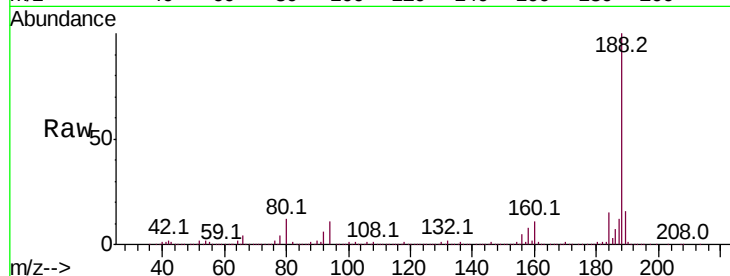
Tot Ion:188 Resp: 1230978

Ion Ratio Lower Upper

188 100

94 11.0 9.6 14.4

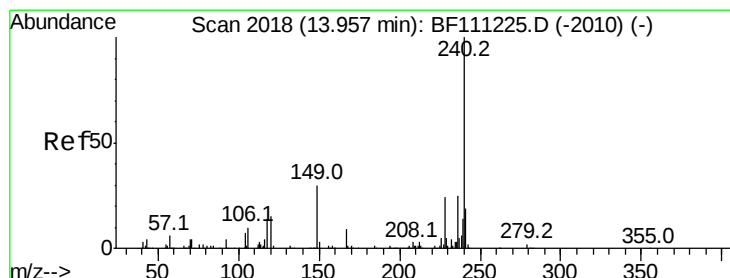
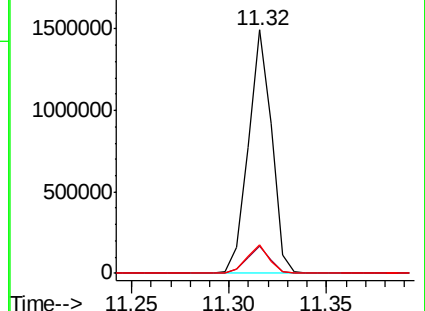
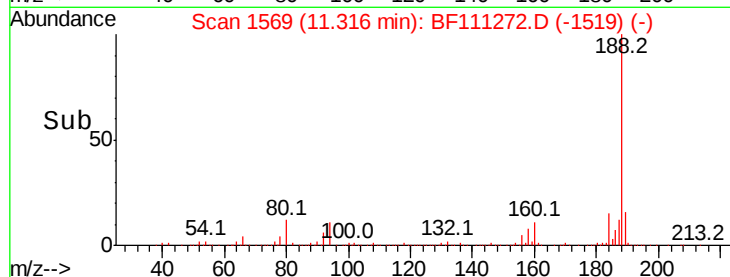
80 11.7 9.8 14.6



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.95 min Scan# 2017

Delta R.T. -0.01 min

Lab File: BF111272.D

Acq: 11 Dec 2018 12:14

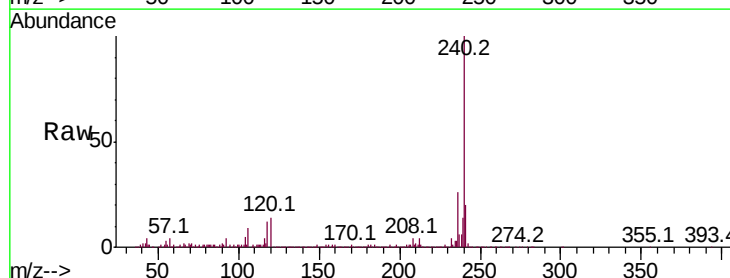
Tgt Ion:240 Resp: 619633

Ion Ratio Lower Upper

240 100

120 13.5 12.2 18.2

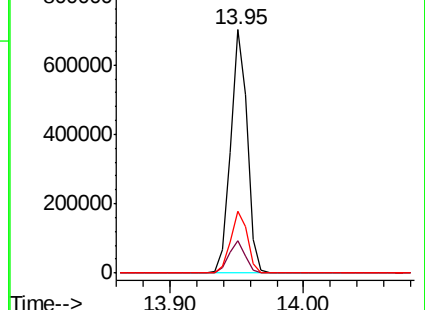
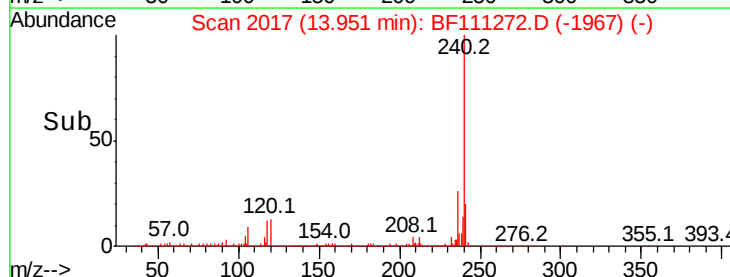
236 25.6 20.2 30.2

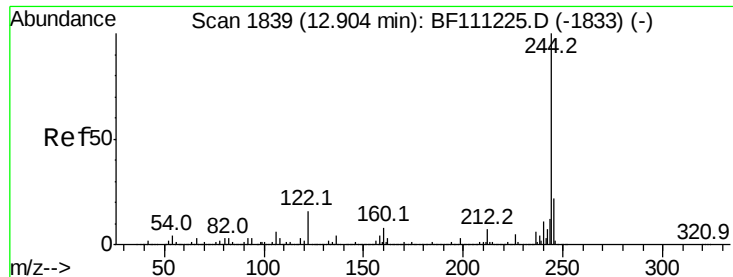


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 55.074 ng

RT: 12.90 min Scan# 1839

Delta R.T. -0.00 min

Lab File: BF111272.D

Acq: 11 Dec 2018 12:14

Instrument :

BNA\_F

ClientSampleId :

S-1

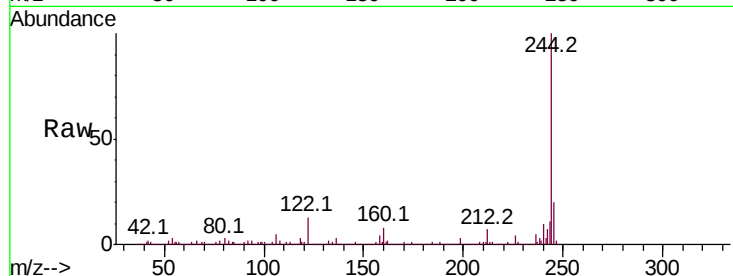
Tot Ion:244 Resp: 1422718

Ion Ratio Lower Upper

244 100

212 6.9 5.7 8.5

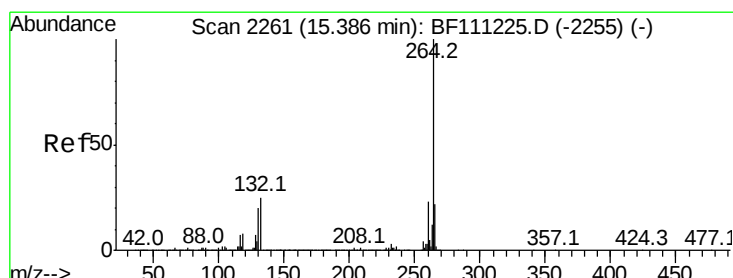
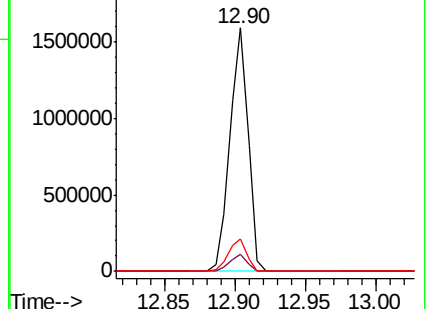
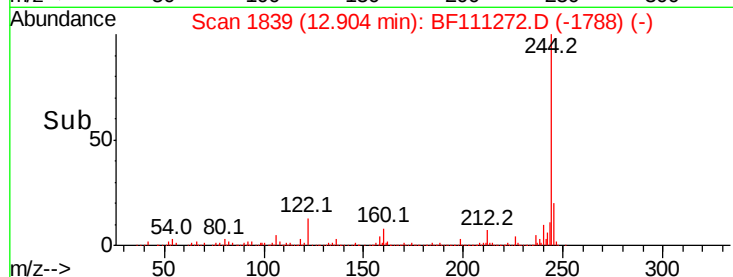
122 13.5 13.1 19.7



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.40 min Scan# 2263

Delta R.T. 0.01 min

Lab File: BF111272.D

Acq: 11 Dec 2018 12:14

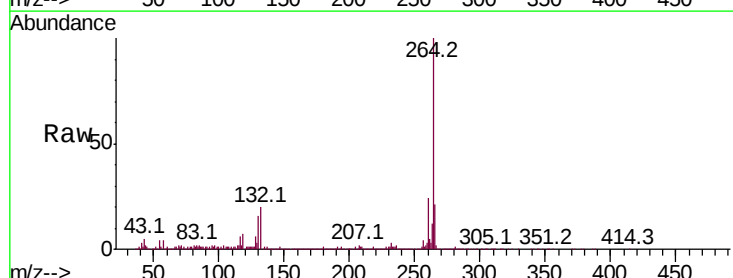
Tgt Ion:264 Resp: 631672

Ion Ratio Lower Upper

264 100

260 24.0 18.3 27.5

265 21.2 17.7 26.5



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

