

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082018\  
 Data File : BF108315.D  
 Acq On : 21 Aug 2018 2:38  
 Operator : JU/SJ  
 Sample : J4542-01  
 Misc :  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 FK-GF-02-024-A

Quant Time: Aug 21 05:41:10 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Aug 08 12:24:24 2018  
 Response via : Initial Calibration

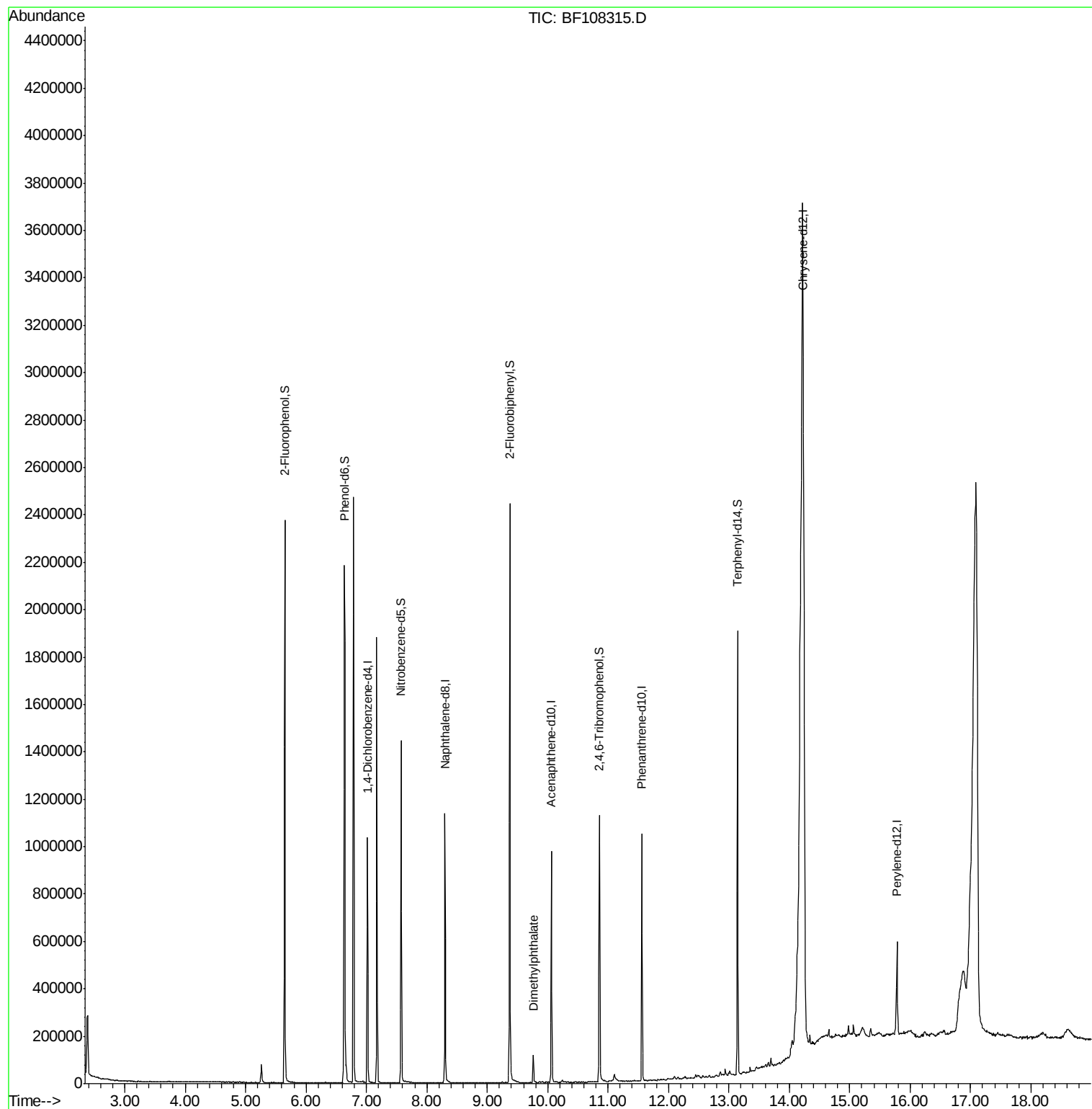
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min)       |
|-----------------------------|-------|------|----------|-------|-------|----------------|
| 1) 1,4-Dichlorobenzene-d4   | 7.02  | 152  | 136366   | 20.00 | ng    | 0.00           |
| 21) Naphthalene-d8          | 8.30  | 136  | 470293   | 20.00 | ng    | 0.00           |
| 38) Acenaphthene-d10        | 10.07 | 164  | 194321   | 20.00 | ng    | 0.00           |
| 63) Phenanthrene-d10        | 11.56 | 188  | 357451   | 20.00 | ng    | 0.00           |
| 75) Chrysene-d12            | 14.21 | 240  | 252497   | 20.00 | ng    | 0.00           |
| 86) Perylene-d12            | 15.78 | 264  | 204427   | 20.00 | ng    | 0.00           |
| System Monitoring Compounds |       |      |          |       |       |                |
| 5) 2-Fluorophenol           | 5.65  | 112  | 562592   | 74.69 | ng    | 0.02           |
| 7) Phenol-d6                | 6.64  | 99   | 717032   | 71.64 | ng    | 0.00           |
| 23) Nitrobenzene-d5         | 7.58  | 82   | 427514   | 50.73 | ng    | 0.00           |
| 41) 2,4,6-Tribromophenol    | 10.86 | 330  | 141401   | 72.95 | ng    | 0.00           |
| 44) 2-Fluorobiphenyl        | 9.37  | 172  | 759633   | 62.76 | ng    | 0.00           |
| 78) Terphenyl-d14           | 13.15 | 244  | 680701   | 68.54 | ng    | 0.00           |
| Target Compounds            |       |      |          |       |       |                |
| 49) Dimethylphthalate       | 9.77  | 163  | 50482    | 3.729 | ng    | Qvalue<br># 98 |

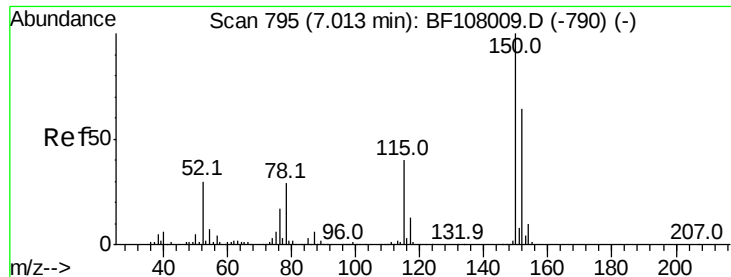
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 27 Sample Multiplier: 1

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BNA\_F  
ClientSampleId :  
FK-GF-02-024-A

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Response via : Initial Calibration



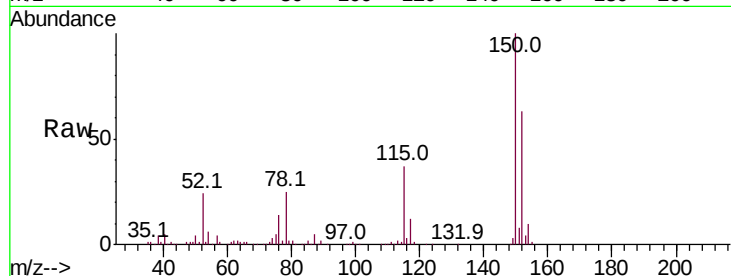


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.02 min Scan# 796  
Delta R.T. 0.01 min  
Lab File: BF108315.D  
Acq: 21 Aug 2018 2:38

Instrument :  
BNA\_F  
ClientSampleId :  
FK-GF-02-024-A

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 159.5 | 124.6 | 186.8 |
| 115     | 58.9  | 50.1  | 75.1  |

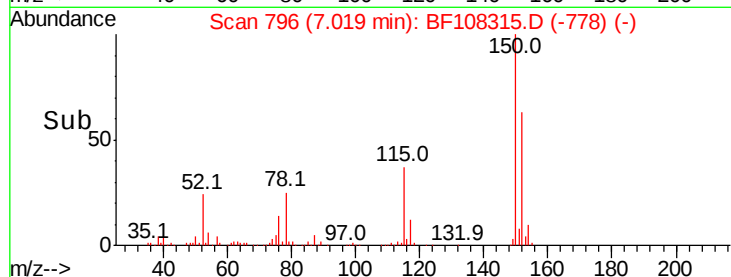
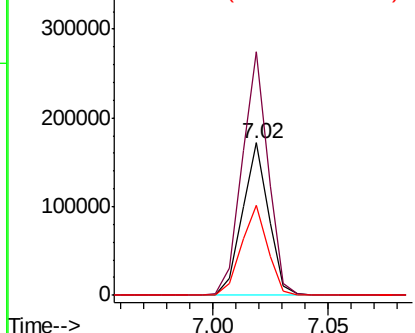


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

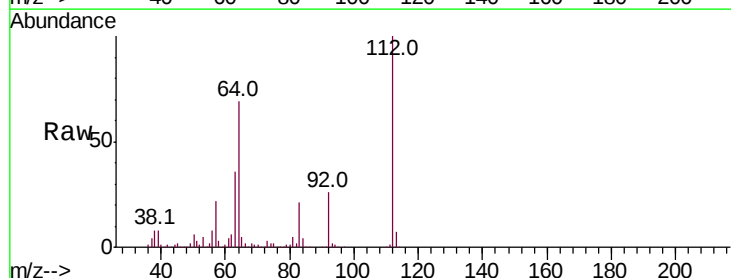
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol  
Concen: 74.692 ng  
RT: 5.65 min Scan# 563  
Delta R.T. 0.02 min  
Lab File: BF108315.D  
Acq: 21 Aug 2018 2:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 68.5  | 47.9  | 71.9  |
| 63      | 36.0  | 23.7  | 35.5  |

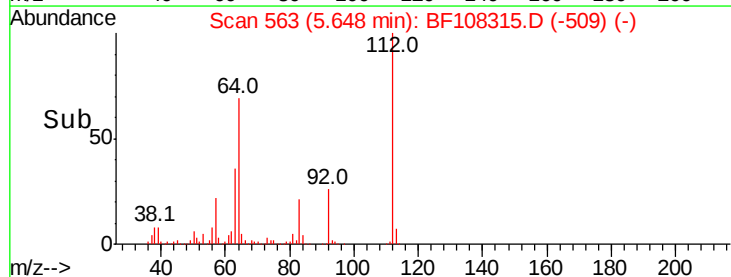
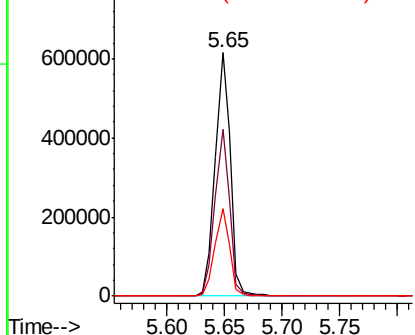


Abundance

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: 71.637 ng

RT: 6.64 min Scan# 731

Delta R.T. 0.01 min

Lab File: BF108315.D

Acq: 21 Aug 2018 2:38

Instrument :

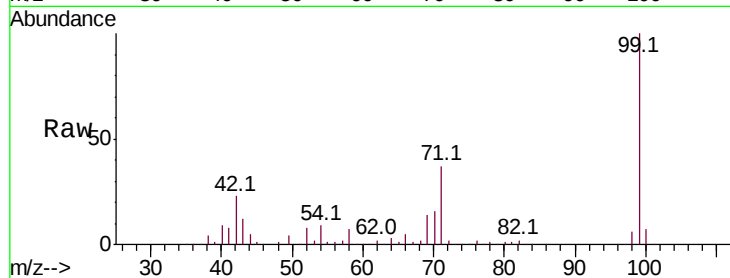
BNA\_F

ClientSampleId :

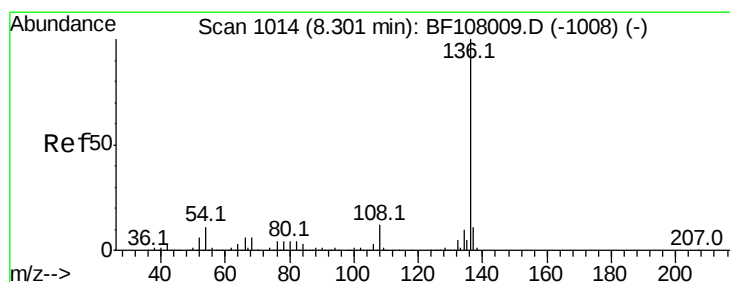
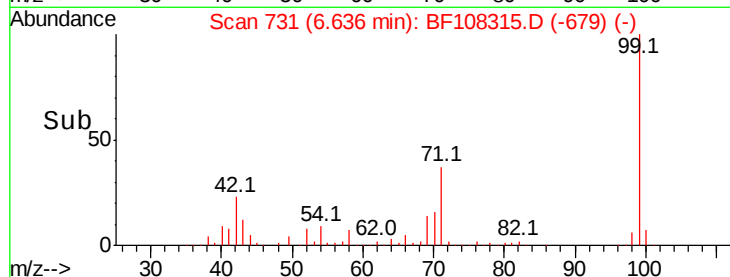
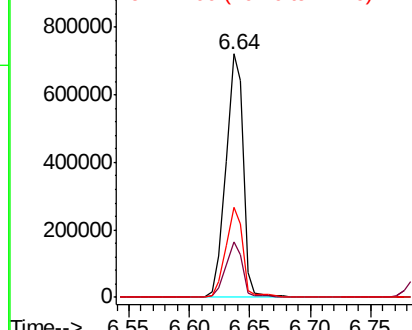
FK-GF-02-024-A

Tot Ion: 99 Resp: 717032

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 22.7  | 14.5  | 21.7# |
| 71  | 36.8  | 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: 8.30 min Scan# 1014

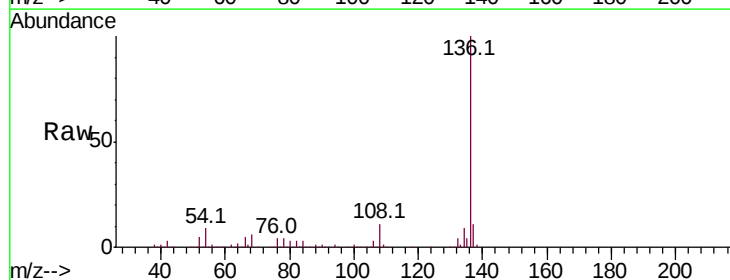
Delta R.T. -0.00 min

Lab File: BF108315.D

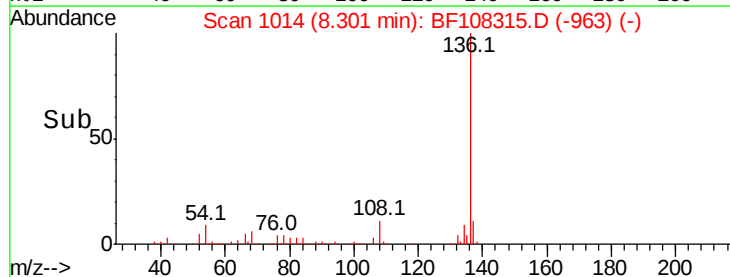
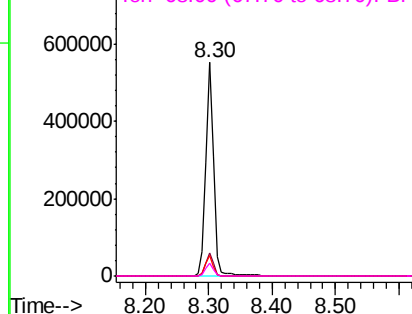
Acq: 21 Aug 2018 2:38

Tgt Ion: 136 Resp: 470293

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 10.7  | 8.9   | 13.3  |
| 54  | 9.3   | 6.6   | 9.8   |
| 68  | 5.9   | 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

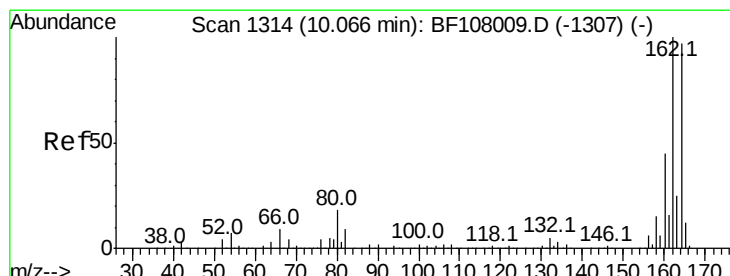
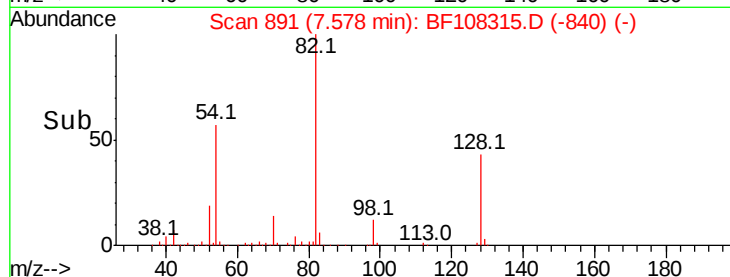
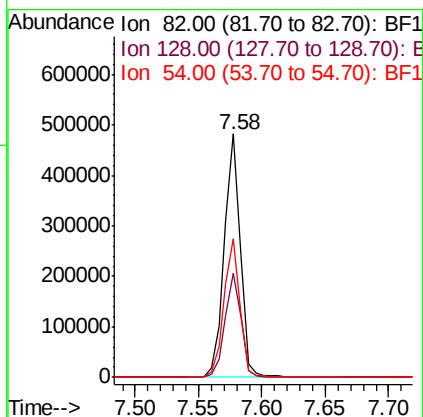
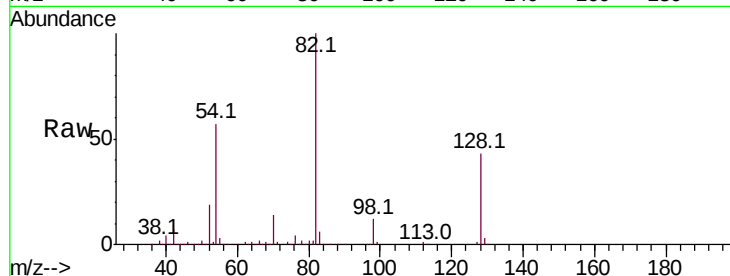




#23  
 Nitrobenzene-d5  
 Concen: 50.726 ng  
 RT: 7.58 min Scan# 891  
 Delta R.T. -0.00 min  
 Lab File: BF108315.D  
 Acq: 21 Aug 2018 2:38

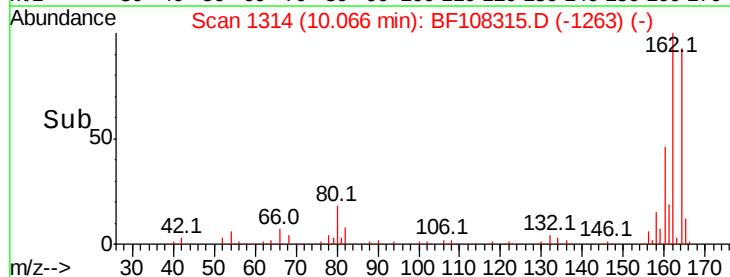
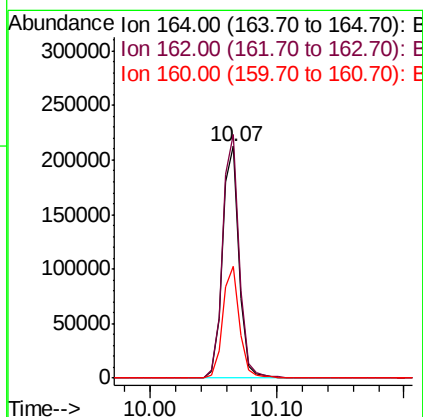
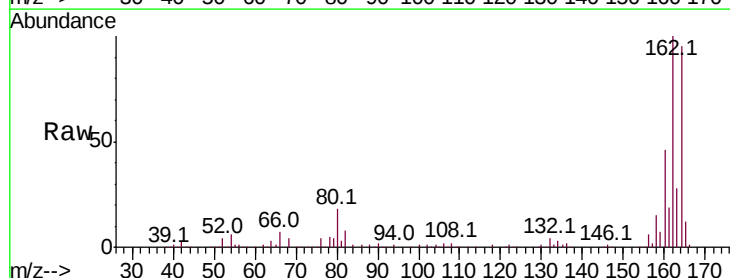
Instrument :  
 BNA\_F  
 ClientSampleId :  
 FK-GF-02-024-A

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 43.0  | 36.1  | 54.1  |
| 54      | 57.2  | 41.4  | 62.2  |



#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 10.07 min Scan# 1314  
 Delta R.T. -0.00 min  
 Lab File: BF108315.D  
 Acq: 21 Aug 2018 2:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 105.1 | 86.1  | 129.1 |
| 160     | 48.2  | 38.3  | 57.5  |

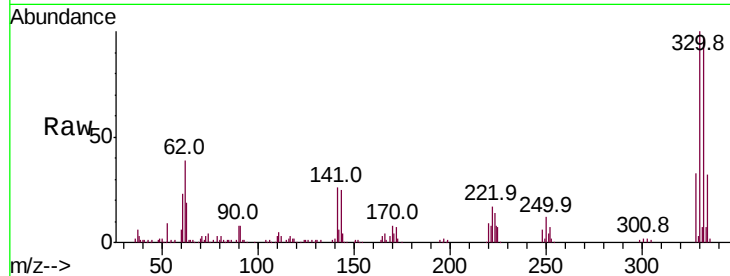




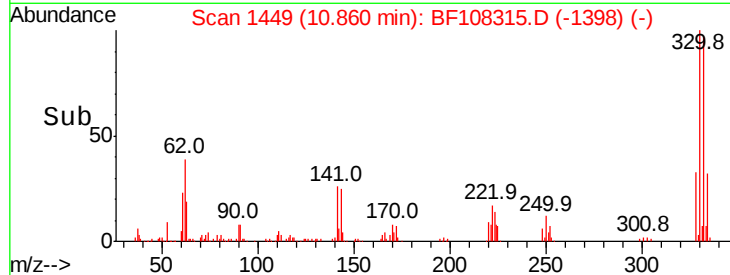
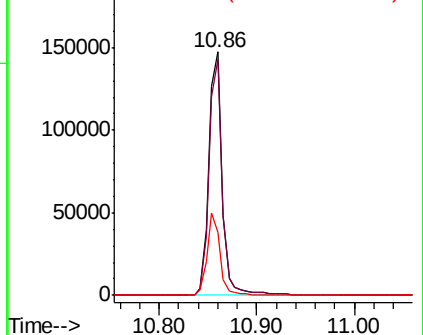
#41  
 2,4,6-Tribromophenol  
 Concen: 72.951 ng  
 RT: 10.86 min Scan# 1449  
 Delta R.T. -0.00 min  
 Lab File: BF108315.D  
 Acq: 21 Aug 2018 2:38

Instrument :  
 BNA\_F  
 ClientSampleId :  
 FK-GF-02-024-A

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.7  | 77.0  | 115.6 |
| 141     | 32.6  | 29.9  | 44.9  |

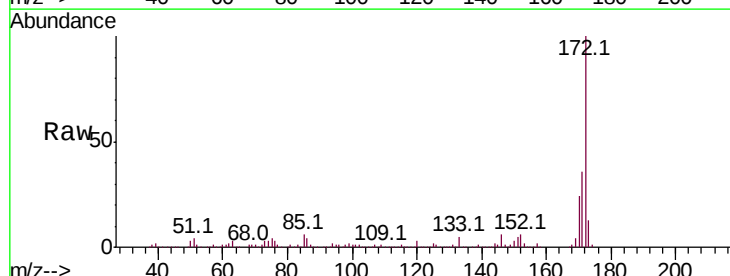


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

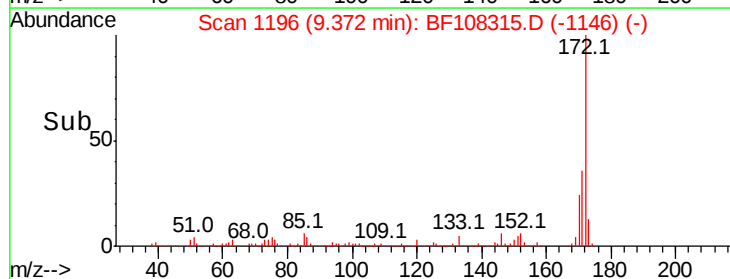
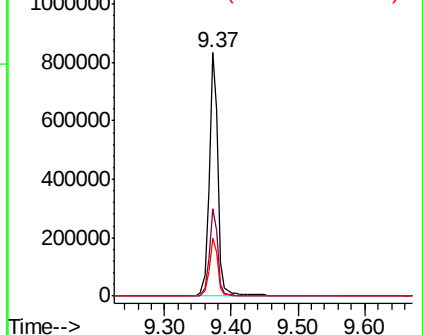


#44  
 2-Fluorobiphenyl  
 Concen: 62.760 ng  
 RT: 9.37 min Scan# 1196  
 Delta R.T. -0.01 min  
 Lab File: BF108315.D  
 Acq: 21 Aug 2018 2:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.0  | 29.7  | 44.5  |
| 170     | 23.7  | 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

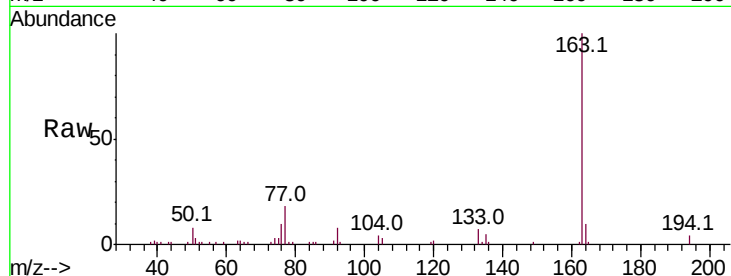




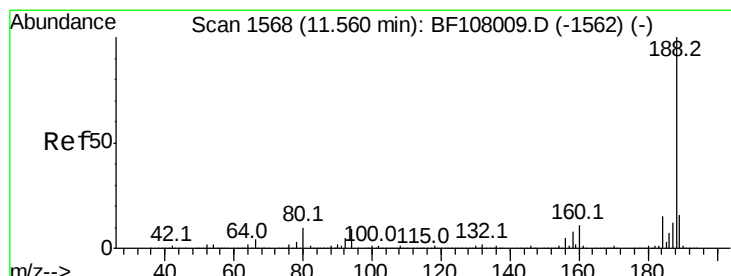
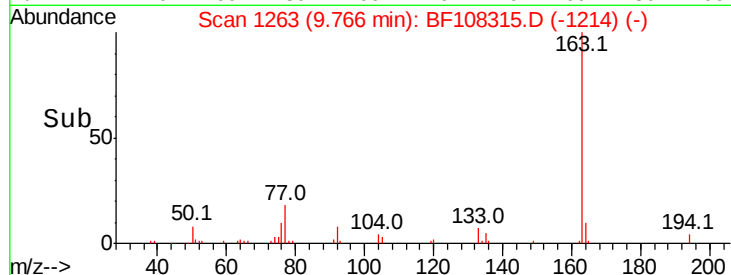
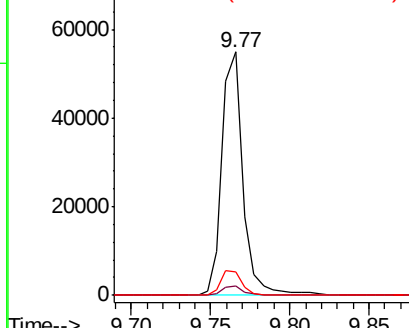
#49  
Dimethylphthalate  
Concen: 3.729 ng  
RT: 9.77 min Scan# 1263  
Delta R.T. -0.01 min  
Lab File: BF108315.D  
Acq: 21 Aug 2018 2:38

Instrument :  
BNA\_F  
ClientSampleId :  
FK-GF-02-024-A

Tot Ion:163 Resp: 50482  
Ion Ratio Lower Upper  
163 100  
194 4.1 2.7 4.1#  
164 9.7 8.2 12.2

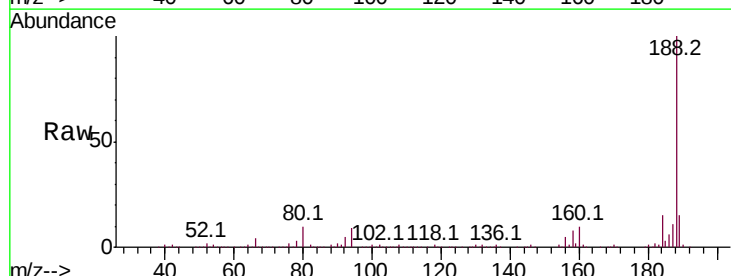


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

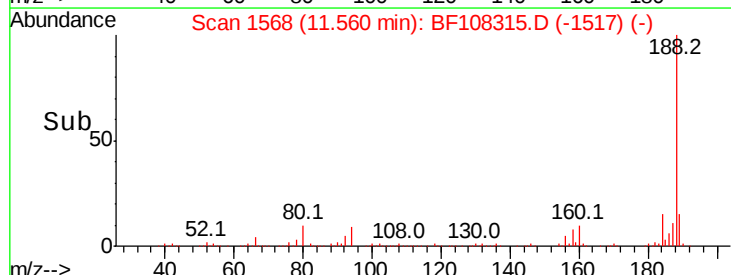
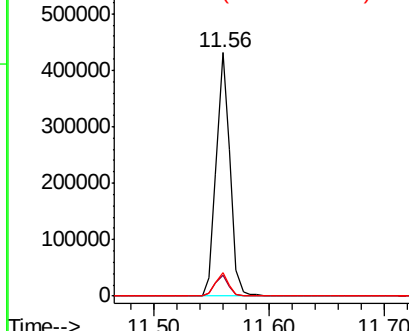


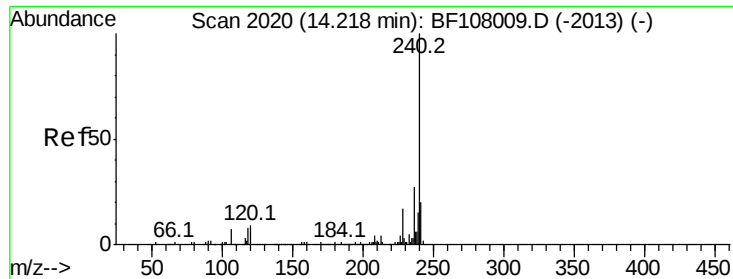
#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.56 min Scan# 1568  
Delta R.T. 0.00 min  
Lab File: BF108315.D  
Acq: 21 Aug 2018 2:38

Tgt Ion:188 Resp: 357451  
Ion Ratio Lower Upper  
188 100  
94 8.6 8.5 12.7  
80 9.6 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





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.21 min Scan# 2019

Delta R.T. -0.01 min

Lab File: BF108315.D

Acq: 21 Aug 2018 2:38

Instrument :

BNA\_F

ClientSampleId :

FK-GF-02-024-A

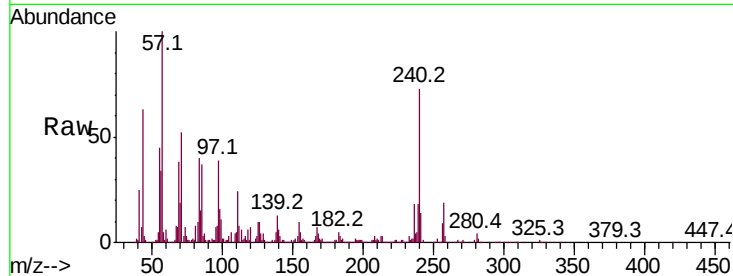
Tot Ion:240 Resp: 252497

Ion Ratio Lower Upper

240 100

120 9.6 9.5 14.3

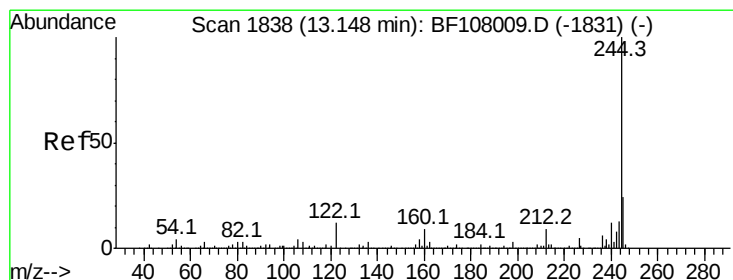
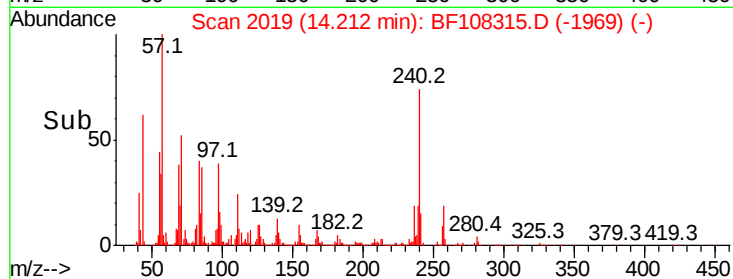
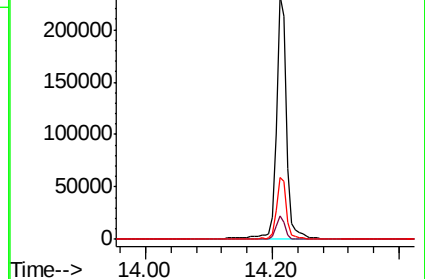
236 25.5 20.7 31.1



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: 68.545 ng

RT: 13.15 min Scan# 1838

Delta R.T. 0.00 min

Lab File: BF108315.D

Acq: 21 Aug 2018 2:38

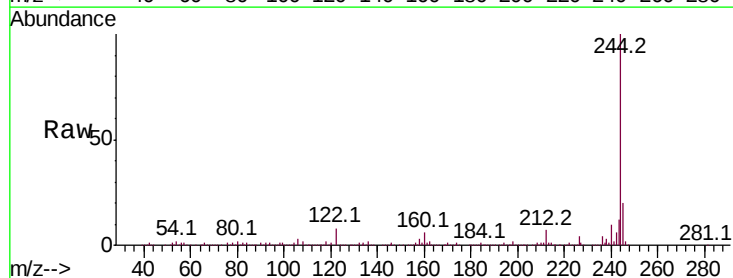
Tgt Ion:244 Resp: 680701

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

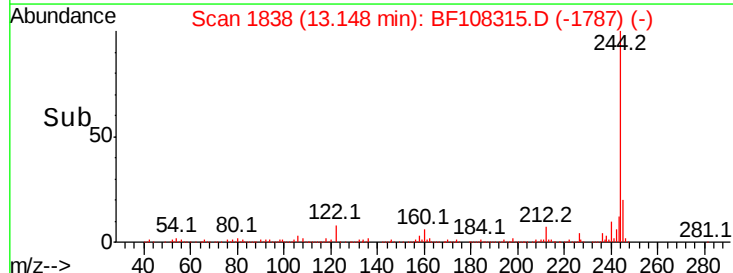
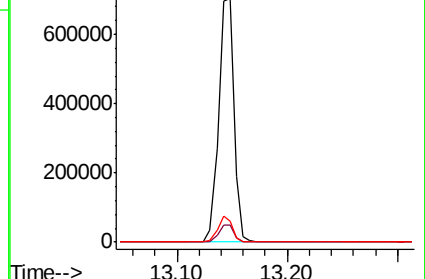
122 8.4 11.0 16.4#

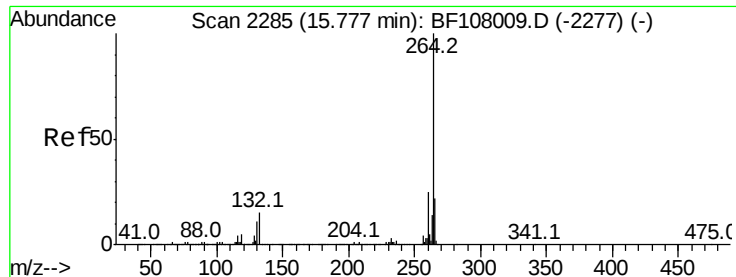


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86  
Pervlene-d12  
Concen: 20.000 ng  
RT: 15.78 min Scan# 2286  
Delta R.T. 0.01 min  
Lab File: BF108315.D  
Acq: 21 Aug 2018 2:38

Instrument :  
BNA\_F  
ClientSampleId :  
FK-GF-02-024-A

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.8  | 19.2  | 28.8  |
| 265     | 22.3  | 17.5  | 26.3  |

