

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112818\  
 Data File : BF111085.D  
 Acq On : 29 Nov 2018 10:39  
 Operator : JU/SJ  
 Sample : J6078-19  
 Misc :  
 ALS Vial : 44 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 112618-CHDE-F-U-M

Quant Time: Nov 29 11:39:10 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF112618.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Nov 27 15:32:10 2018  
 Response via : Initial Calibration

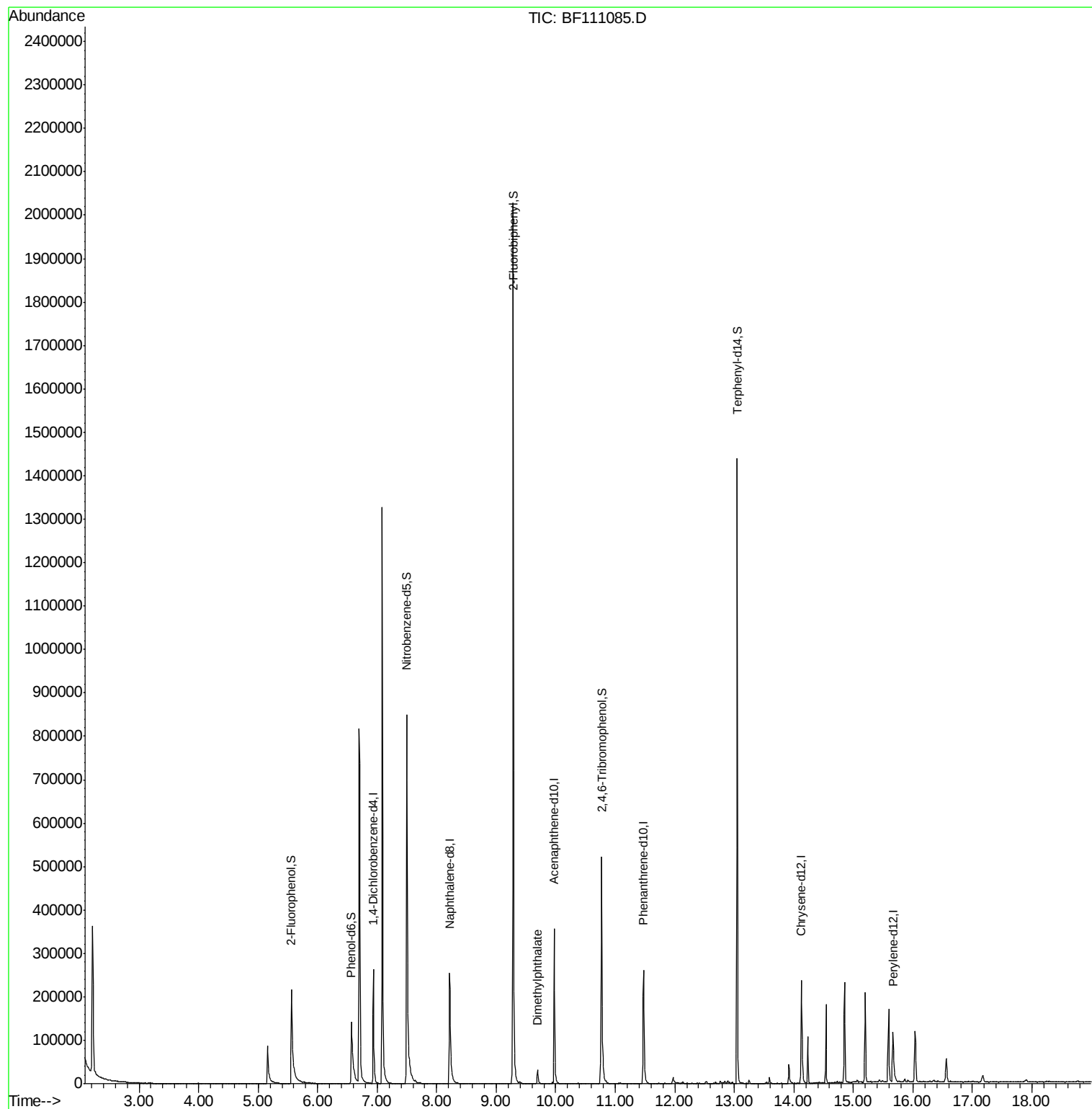
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)  |
|-----------------------------|-------|------|----------|--------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.93  | 152  | 47829    | 20.00  | ng    | 0.00      |
| 21) Naphthalene-d8          | 8.22  | 136  | 200784   | 20.00  | ng    | 0.00      |
| 39) Acenaphthene-d10        | 9.97  | 164  | 86335    | 20.00  | ng    | 0.00      |
| 64) Phenanthrene-d10        | 11.47 | 188  | 139501   | 20.00  | ng    | 0.00      |
| 76) Chrysene-d12            | 14.13 | 240  | 110209   | 20.00  | ng    | 0.00      |
| 87) Perylene-d12            | 15.66 | 264  | 84011    | 20.00  | ng    | 0.00      |
| System Monitoring Compounds |       |      |          |        |       |           |
| 5) 2-Fluorophenol           | 5.56  | 112  | 136587   | 47.36  | ng    | 0.00      |
| 7) Phenol-d6                | 6.57  | 99   | 103849   | 27.63  | ng    | 0.00      |
| 23) Nitrobenzene-d5         | 7.50  | 82   | 368625   | 105.07 | ng    | -0.01     |
| 42) 2,4,6-Tribromophenol    | 10.77 | 330  | 77979    | 90.95  | ng    | -0.01     |
| 45) 2-Fluorobiphenyl        | 9.29  | 172  | 668206   | 112.13 | ng    | 0.00      |
| 79) Terphenyl-d14           | 13.05 | 244  | 513465   | 90.69  | ng    | 0.00      |
| Target Compounds            |       |      |          |        |       |           |
| 50) Dimethylphthalate       | 9.69  | 163  | 20702    | 3.270  | ng    | Qvalue 99 |

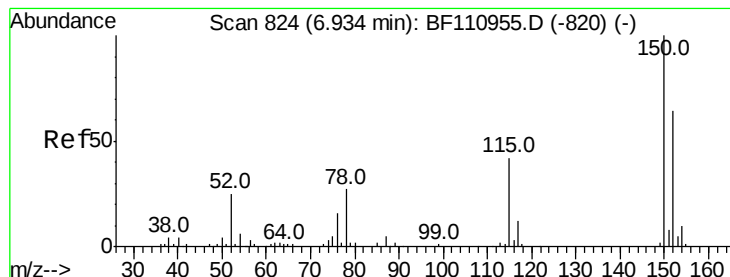
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 44 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
112618-CHDE-F-U-M

Quant Time: Nov 29 11:39:10 2018  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF112618.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Nov 27 15:32:10 2018  
Response via : Initial Calibration



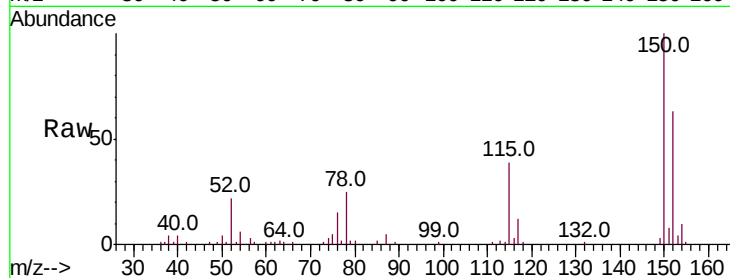


#1

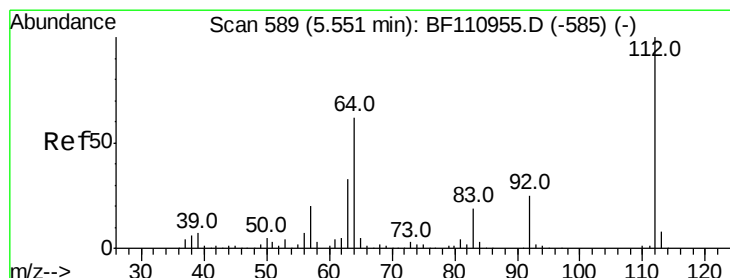
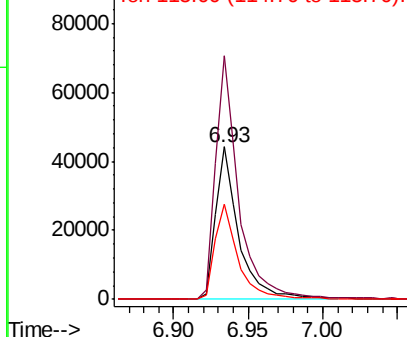
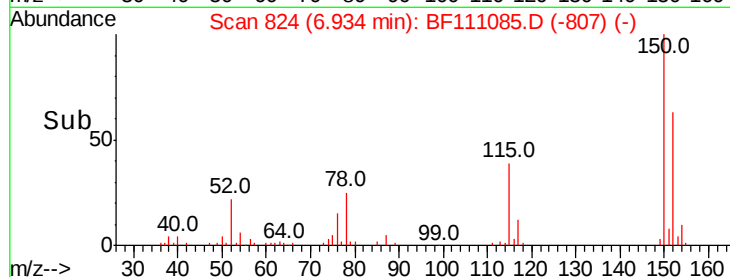
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.93 min Scan# 824  
Delta R.T. 0.00 min  
Lab File: BF111085.D  
Acq: 29 Nov 2018 10:39

Instrument :  
BNA\_F  
ClientSampleId :  
112618-CHDE-F-U-M

Tot Ion:152 Resp: 47829  
Ion Ratio Lower Upper  
152 100  
150 159.9 122.7 184.1  
115 62.5 49.1 73.7



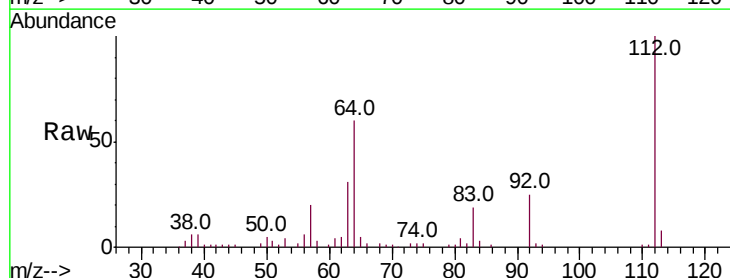
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



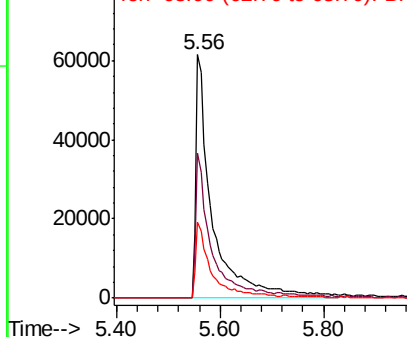
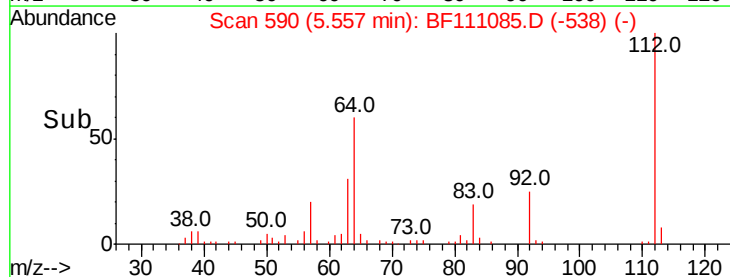
#5

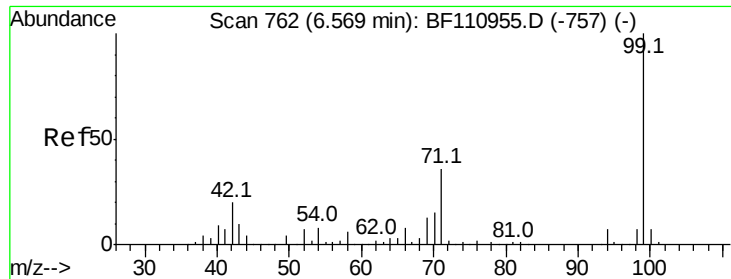
2-Fluorophenol  
Concen: 47.357 ng  
RT: 5.56 min Scan# 590  
Delta R.T. 0.01 min  
Lab File: BF111085.D  
Acq: 29 Nov 2018 10:39

Tgt Ion:112 Resp: 136587  
Ion Ratio Lower Upper  
112 100  
64 59.8 44.1 66.1  
63 31.3 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: 27.630 ng

RT: 6.57 min Scan# 762

Delta R.T. 0.00 min

Lab File: BF111085.D

Acq: 29 Nov 2018 10:39

Instrument :

BNA\_F

ClientSampleId :

112618-CHDE-F-U-M

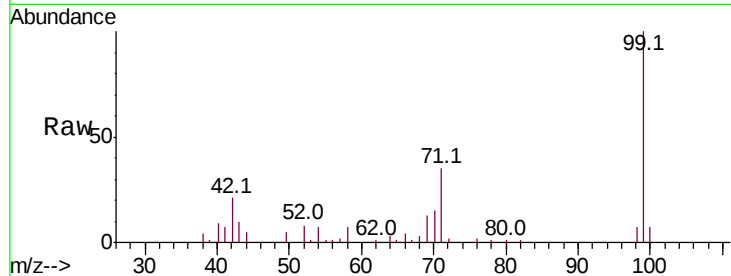
Tot Ion: 99 Resp: 103849

Ion Ratio Lower Upper

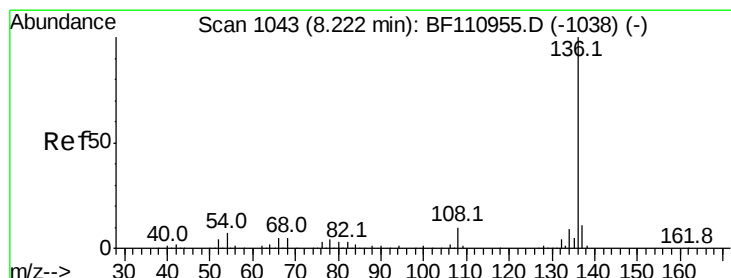
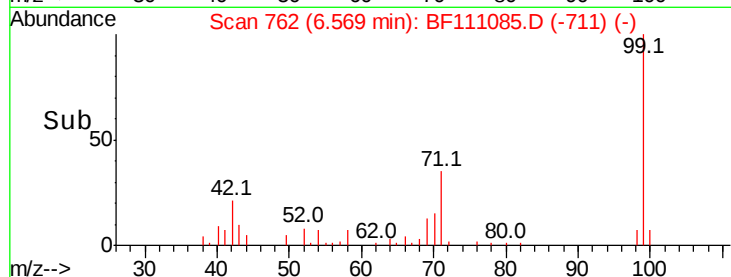
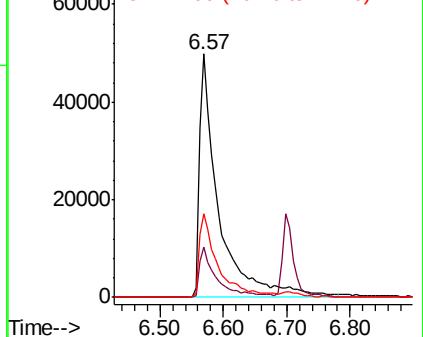
99 100

42 20.9 15.8 23.6

71 34.5 28.0 42.0



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: 8.22 min Scan# 1042

Delta R.T. -0.01 min

Lab File: BF111085.D

Acq: 29 Nov 2018 10:39

Tgt Ion: 136 Resp: 200784

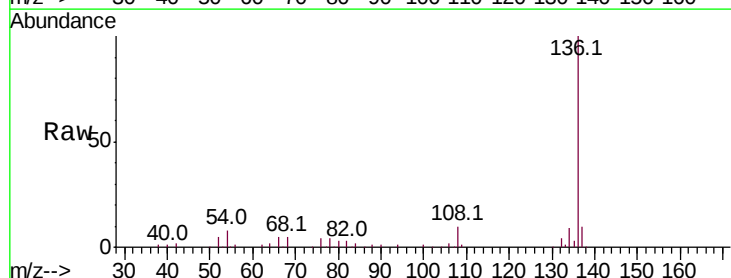
Ion Ratio Lower Upper

136 100

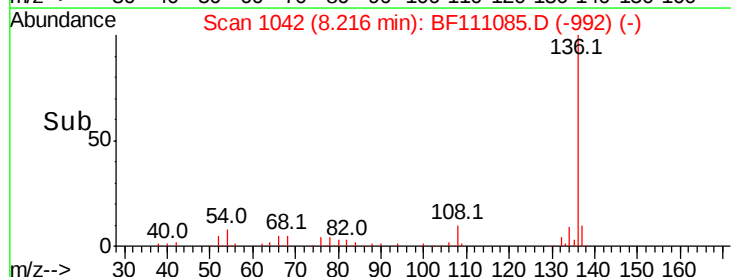
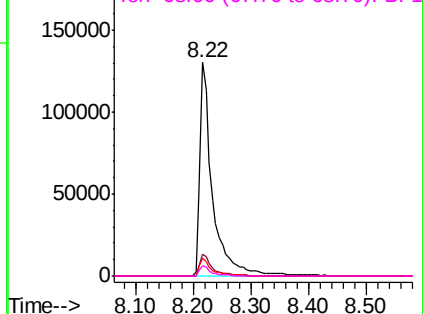
137 10.5 8.8 13.2

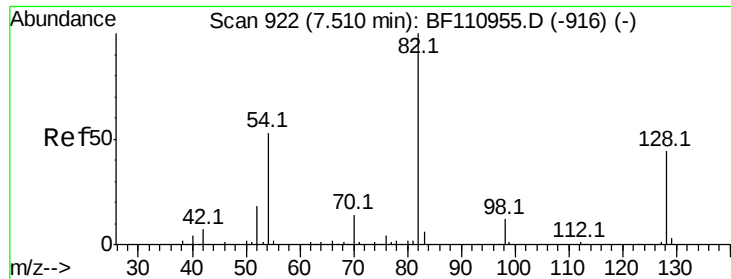
54 8.4 5.4 8.2#

68 5.1 4.2 6.2



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

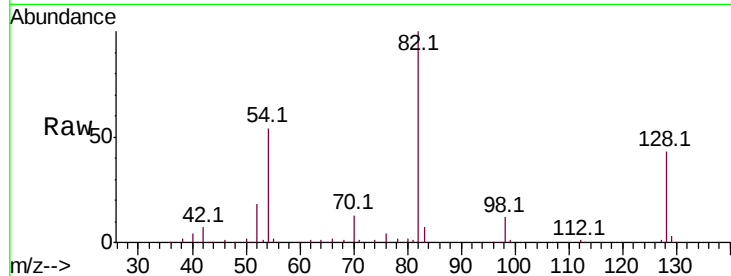




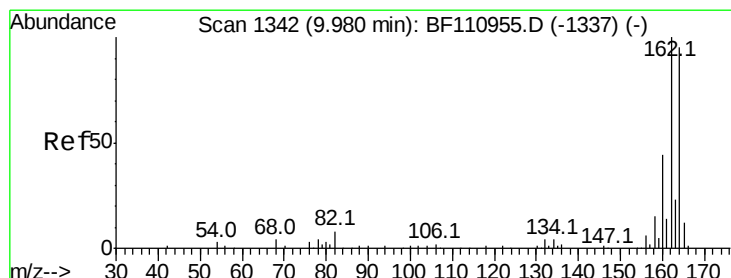
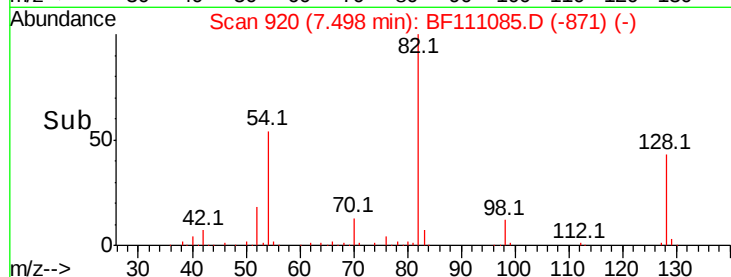
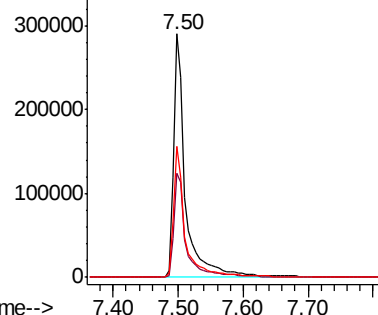
#23  
 Nitrobenzene-d5  
 Concen: 105.071 ng  
 RT: 7.50 min Scan# 920  
 Delta R.T. -0.01 min  
 Lab File: BF111085.D  
 Acq: 29 Nov 2018 10:39

Instrument :  
 BNA\_F  
 ClientSampleId :  
 112618-CHDE-F-U-M

| Tot Ion   | 82    | Resp  | 368625 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 42.8  | 34.2  | 51.2   |
| 54        | 53.9  | 38.6  | 58.0   |

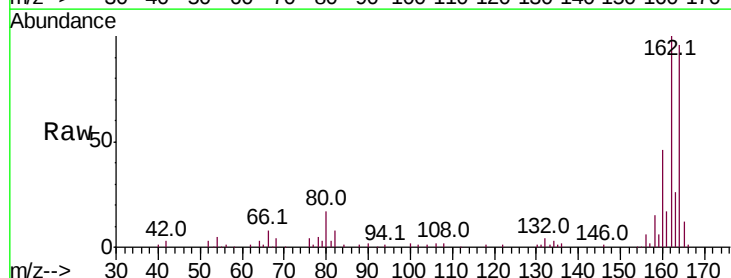


Abundance Ion 82.00 (81.70 to 82.70): BF1  
 Ion 128.00 (127.70 to 128.70): E  
 Ion 54.00 (53.70 to 54.70): BF1

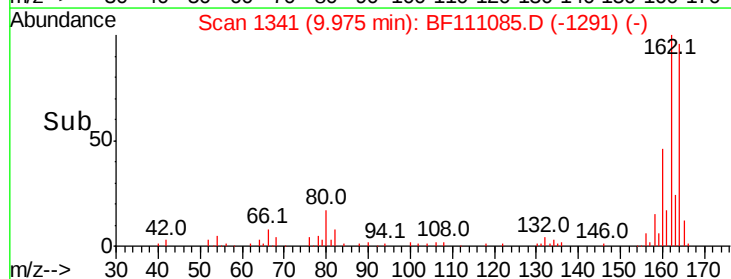
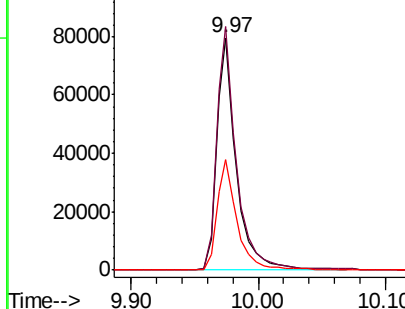


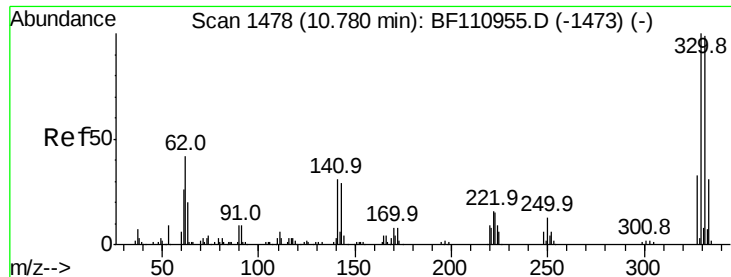
#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.97 min Scan# 1341  
 Delta R.T. -0.01 min  
 Lab File: BF111085.D  
 Acq: 29 Nov 2018 10:39

| Tgt Ion   | 164   | Resp  | 86335 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 164       | 100   |       |       |
| 162       | 104.6 | 83.0  | 124.6 |
| 160       | 47.7  | 37.0  | 55.6  |



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

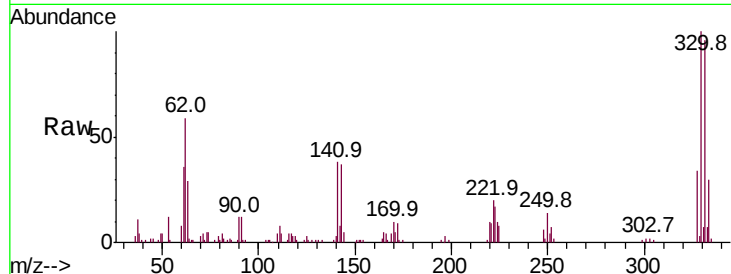




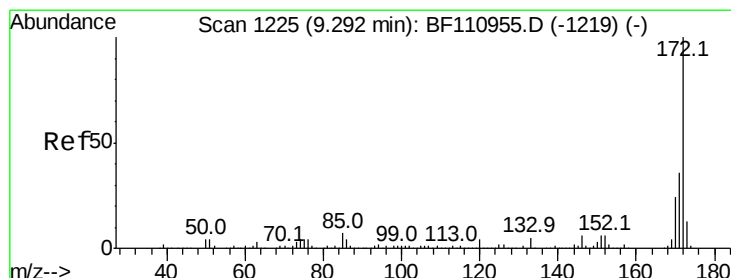
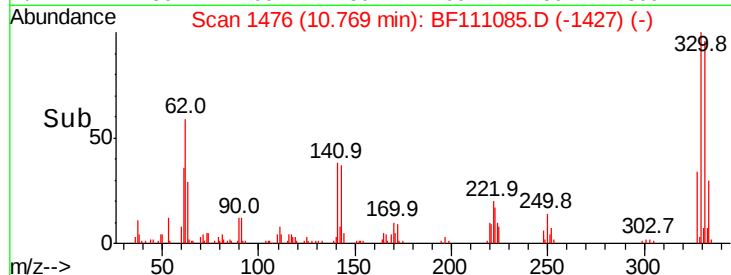
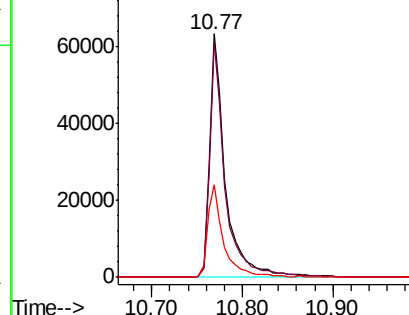
#42  
 2,4,6-Tribromophenol  
 Concen: 90.946 ng  
 RT: 10.77 min Scan# 1476  
 Delta R.T. -0.01 min  
 Lab File: BF111085.D  
 Acq: 29 Nov 2018 10:39

Instrument :  
 BNA\_F  
 ClientSampleId :  
 112618-CHDE-F-U-M

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 94.3  | 77.1  | 115.7 |
| 141     | 37.7  | 27.0  | 40.4  |

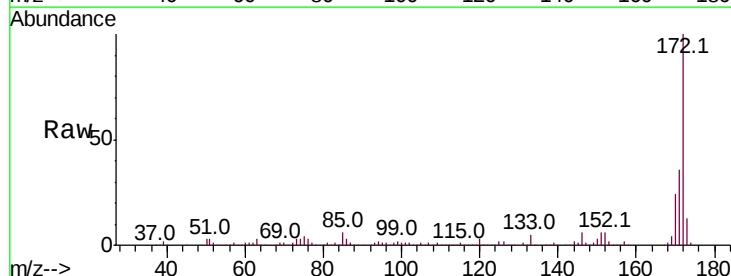


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

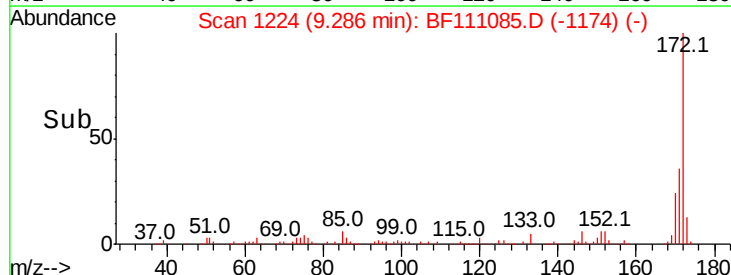
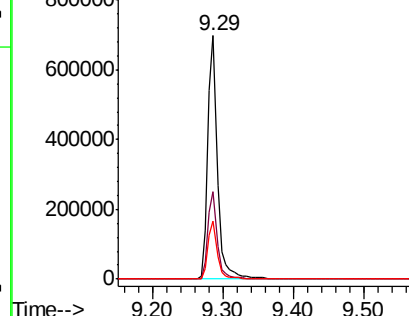


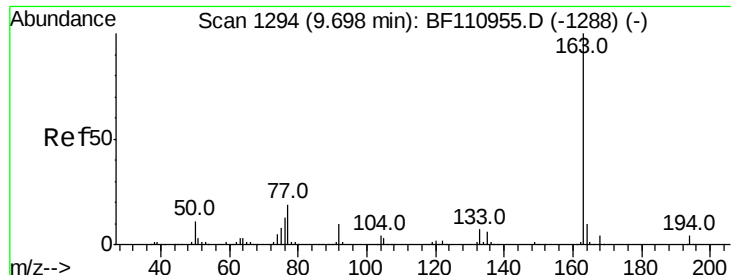
#45  
 2-Fluorobiphenyl  
 Concen: 112.131 ng  
 RT: 9.29 min Scan# 1224  
 Delta R.T. -0.01 min  
 Lab File: BF111085.D  
 Acq: 29 Nov 2018 10:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.1  | 28.6  | 43.0  |
| 170     | 24.0  | 19.7  | 29.5  |



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

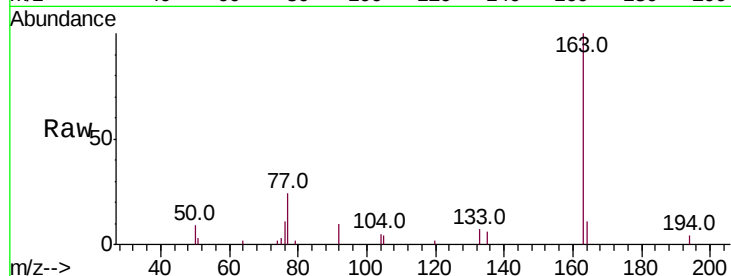




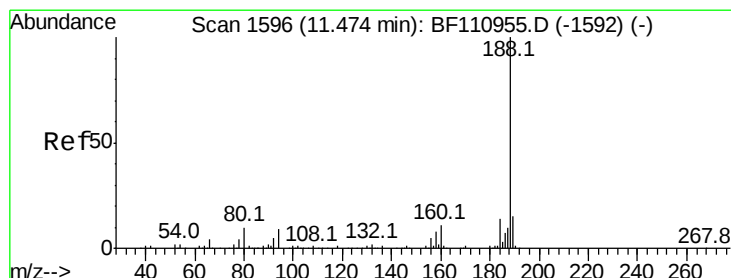
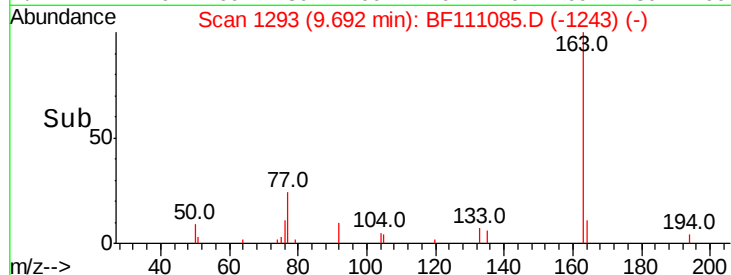
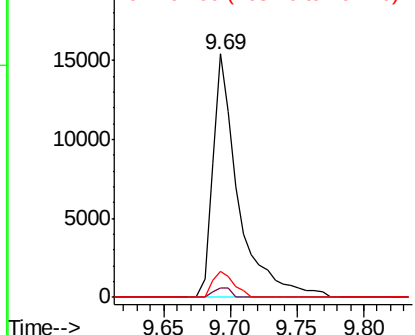
#50  
Dimethylphthalate  
Concen: 3.270 ng  
RT: 9.69 min Scan# 1293  
Delta R.T. -0.01 min  
Lab File: BF111085.D  
Acq: 29 Nov 2018 10:39

Instrument :  
BNA\_F  
ClientSampleId :  
112618-CHDE-F-U-M

Tot Ion:163 Resp: 20702  
Ion Ratio Lower Upper  
163 100  
194 4.0 3.2 4.8  
164 10.8 8.1 12.1

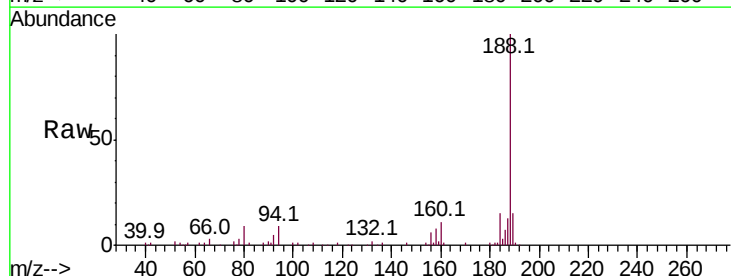


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

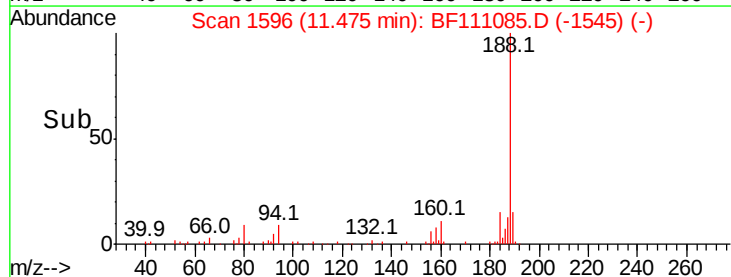
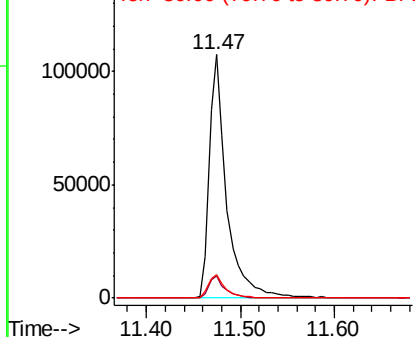


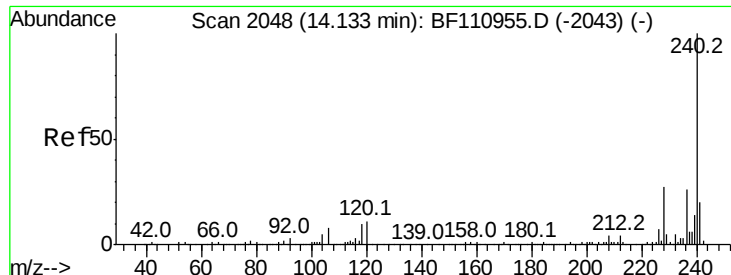
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.47 min Scan# 1596  
Delta R.T. 0.00 min  
Lab File: BF111085.D  
Acq: 29 Nov 2018 10:39

Tgt Ion:188 Resp: 139501  
Ion Ratio Lower Upper  
188 100  
94 9.0 7.2 10.8  
80 9.4 7.9 11.9



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

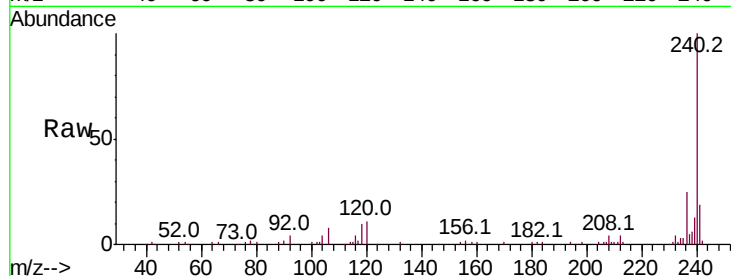




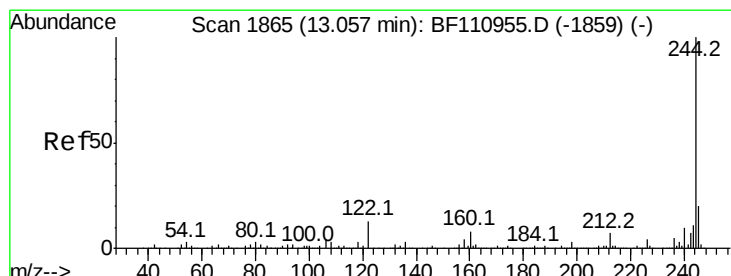
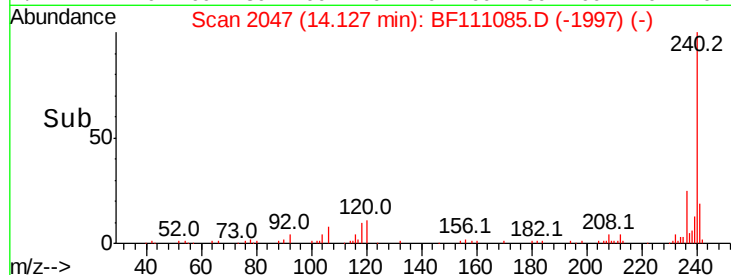
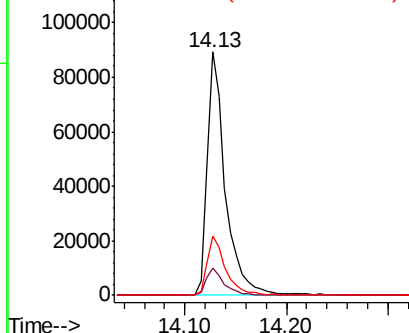
#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.13 min Scan# 2047  
Delta R.T. -0.01 min  
Lab File: BF111085.D  
Acq: 29 Nov 2018 10:39

Instrument :  
BNA\_F  
ClientSampleId :  
112618-CHDE-F-U-M

Tot Ion:240 Resp: 110209  
Ion Ratio Lower Upper  
240 100  
120 11.4 8.3 12.5  
236 24.6 21.2 31.8

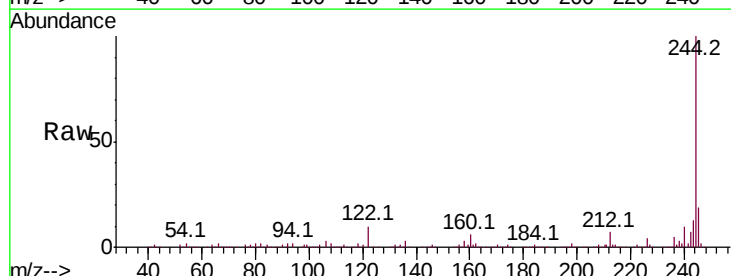


Abundance Ion 240.00 (239.70 to 240.70): E  
Ion 120.00 (119.70 to 120.70): E  
Ion 236.00 (235.70 to 236.70): E

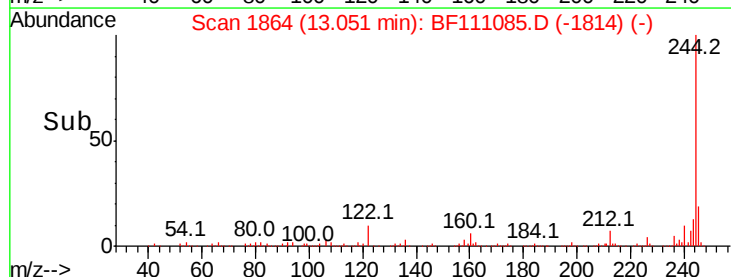
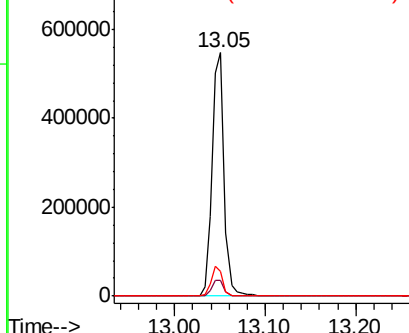


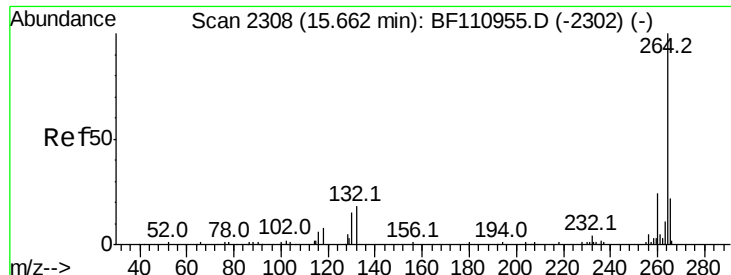
#79  
Terphenyl-d14  
Concen: 90.694 ng  
RT: 13.05 min Scan# 1864  
Delta R.T. -0.01 min  
Lab File: BF111085.D  
Acq: 29 Nov 2018 10:39

Tgt Ion:244 Resp: 513465  
Ion Ratio Lower Upper  
244 100  
212 6.5 5.8 8.8  
122 10.1 8.7 13.1



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



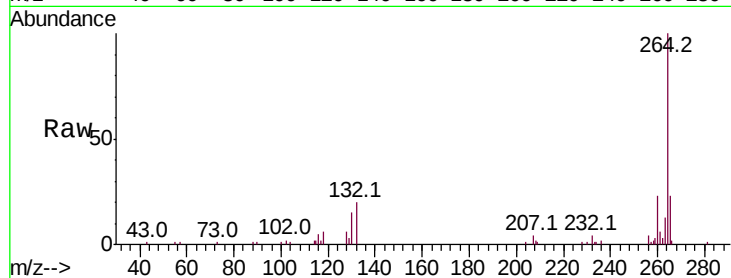


#87  
Pervlene-d12  
Concen: 20.000 ng  
RT: 15.66 min Scan# 2308  
Delta R.T. -0.01 min  
Lab File: BF111085.D  
Acq: 29 Nov 2018 10:39

Instrument :  
BNA\_F  
ClientSampleId :  
112618-CHDE-F-U-M

Tot Ion:264 Resp: 84011  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 22.5  | 18.7  | 28.1  |
| 265 | 22.9  | 16.7  | 25.1  |



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

