

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071119\  
 Data File : BF115506.D  
 Acq On : 11 Jul 2019 20:41  
 Operator : HP/JU  
 Sample : K3746-04  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 LID-B

Quant Time: Jul 12 05:26:26 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF070519.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jul 10 16:47:05 2019  
 Response via : Initial Calibration

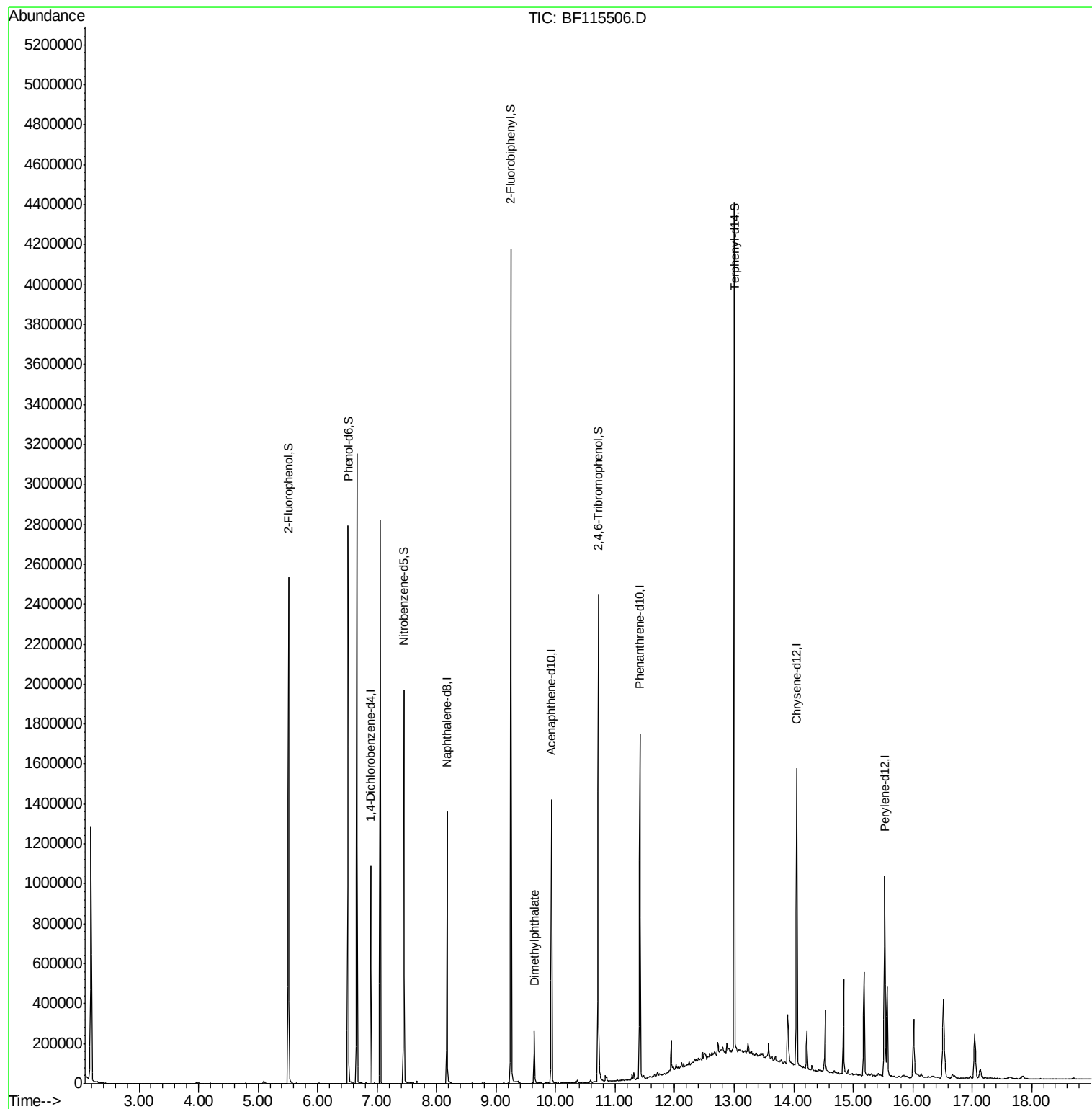
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min)  |
|-----------------------------|-------|------|----------|-------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.89  | 152  | 144066   | 20.00 | ng    | 0.00      |
| 21) Naphthalene-d8          | 8.17  | 136  | 567653   | 20.00 | ng    | 0.00      |
| 39) Acenaphthene-d10        | 9.93  | 164  | 288760   | 20.00 | ng    | -0.01     |
| 64) Phenanthrene-d10        | 11.42 | 188  | 584755   | 20.00 | ng    | 0.00      |
| 76) Chrysene-d12            | 14.05 | 240  | 499328   | 20.00 | ng    | -0.02     |
| 87) Perylene-d12            | 15.53 | 264  | 489937   | 20.00 | ng    | -0.04     |
| System Monitoring Compounds |       |      |          |       |       |           |
| 5) 2-Fluorophenol           | 5.52  | 112  | 794040   | 85.16 | ng    | 0.00      |
| 7) Phenol-d6                | 6.52  | 99   | 1049455  | 88.50 | ng    | 0.00      |
| 23) Nitrobenzene-d5         | 7.45  | 82   | 650510   | 67.71 | ng    | 0.00      |
| 42) 2,4,6-Tribromophenol    | 10.72 | 330  | 313736   | 98.27 | ng    | -0.01     |
| 45) 2-Fluorobiphenyl        | 9.25  | 172  | 1218599  | 74.05 | ng    | 0.00      |
| 79) Terphenyl-d14           | 13.00 | 244  | 1519828  | 62.32 | ng    | 0.00      |
| Target Compounds            |       |      |          |       |       |           |
| 50) Dimethylphthalate       | 9.64  | 163  | 110100   | 5.080 | ng    | Qvalue 99 |

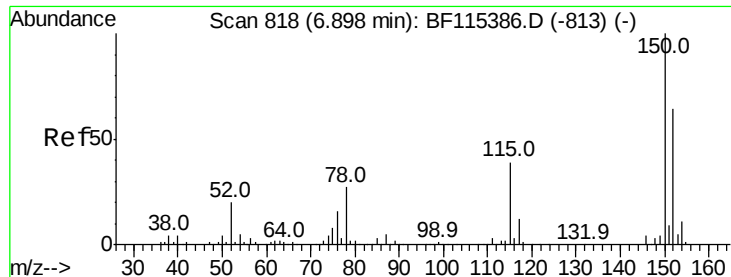
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071119\  
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Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
LID-B

Quant Time: Jul 12 05:26:26 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF070519.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Jul 10 16:47:05 2019  
Response via : Initial Calibration



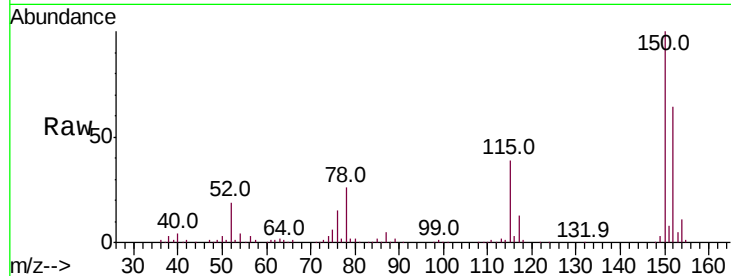


#1

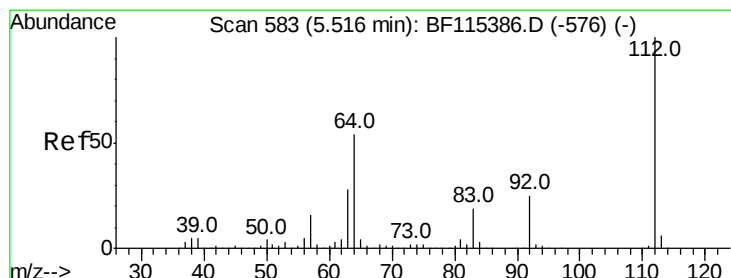
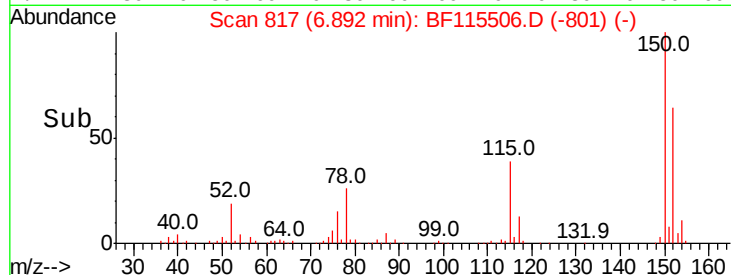
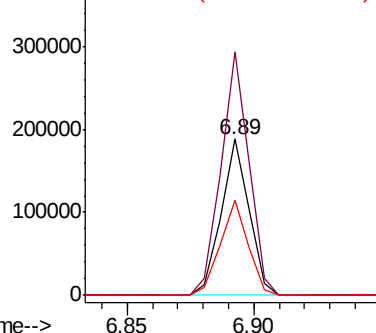
1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.89 min Scan# 817  
 Delta R.T. -0.01 min  
 Lab File: BF115506.D  
 Acq: 11 Jul 2019 20:41

Instrument :  
 BNA\_F  
 ClientSampleId :  
 LID-B

Tot Ion:152 Resp: 144066  
 Ion Ratio Lower Upper  
 152 100  
 150 155.7 127.4 191.2  
 115 60.7 46.2 69.4



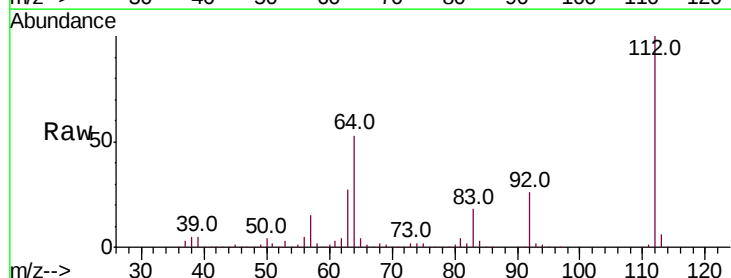
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



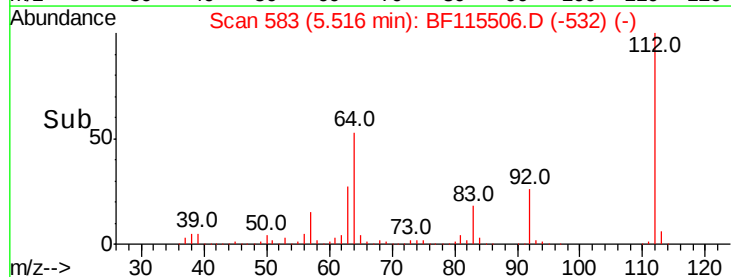
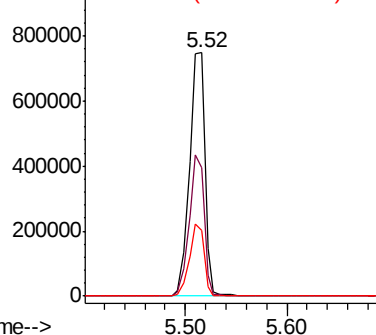
#5

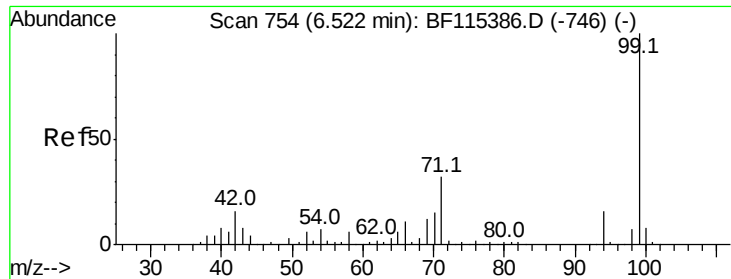
2-Fluorophenol  
 Concen: 85.156 ng  
 RT: 5.52 min Scan# 583  
 Delta R.T. -0.00 min  
 Lab File: BF115506.D  
 Acq: 11 Jul 2019 20:41

Tgt Ion:112 Resp: 794040  
 Ion Ratio Lower Upper  
 112 100  
 64 52.9 44.2 66.2  
 63 26.8 22.1 33.1



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: 88.496 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.01 min

Lab File: BF115506.D

Acq: 11 Jul 2019 20:41

Instrument :

BNA\_F

ClientSampled :

LID-B

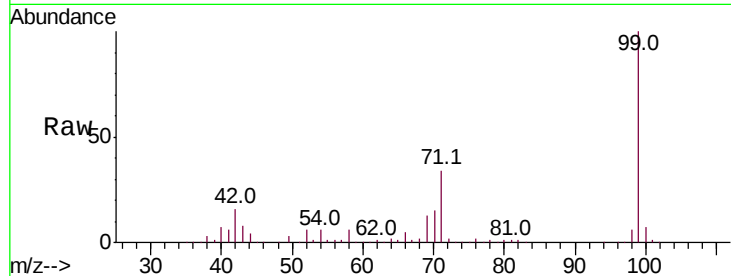
Tot Ion: 99 Resp: 1049455

Ion Ratio Lower Upper

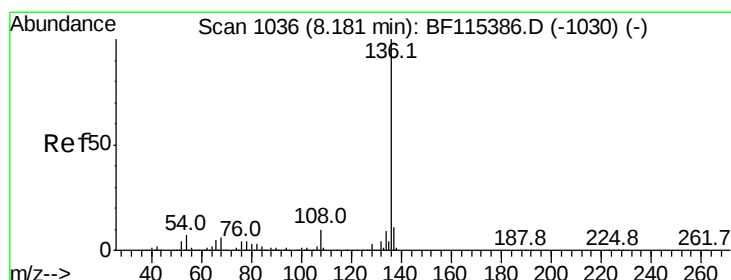
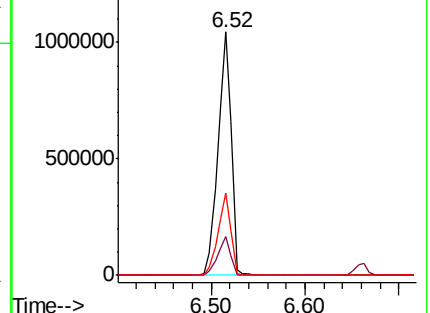
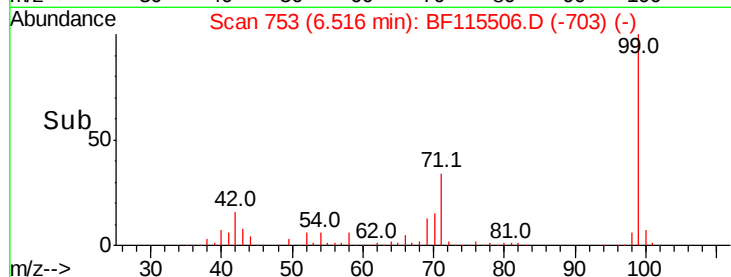
99 100

42 16.1 12.8 19.2

71 33.9 26.5 39.7



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: 8.17 min Scan# 1035

Delta R.T. -0.01 min

Lab File: BF115506.D

Acq: 11 Jul 2019 20:41

Tgt Ion: 136 Resp: 567653

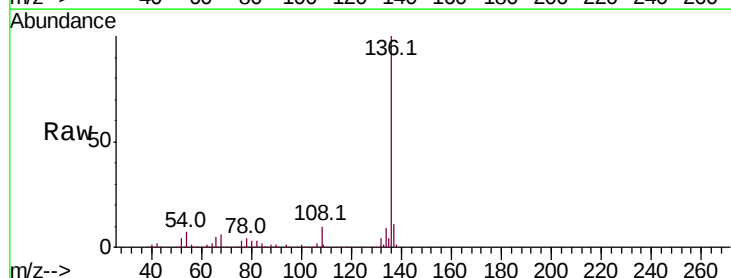
Ion Ratio Lower Upper

136 100

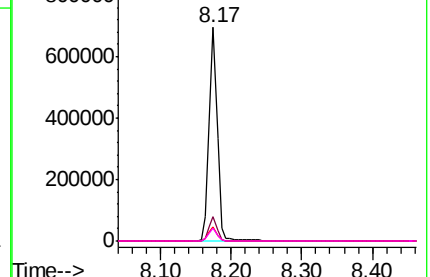
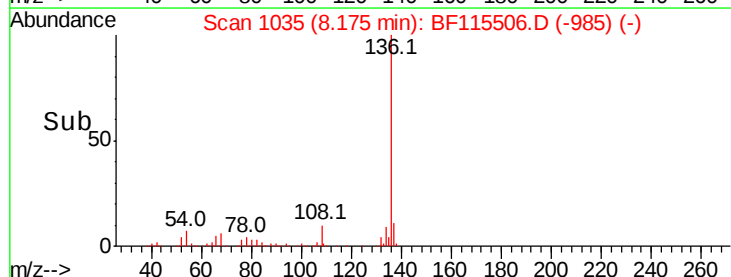
137 11.2 8.8 13.2

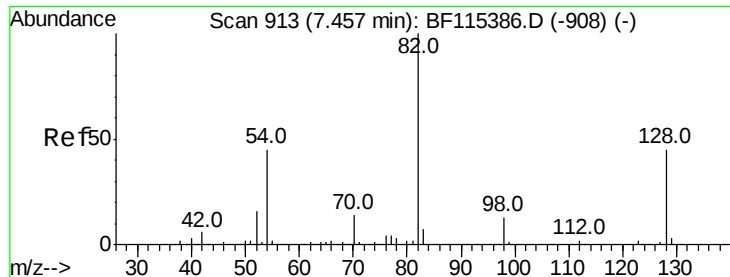
54 6.6 5.4 8.0

68 6.2 4.8 7.2



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

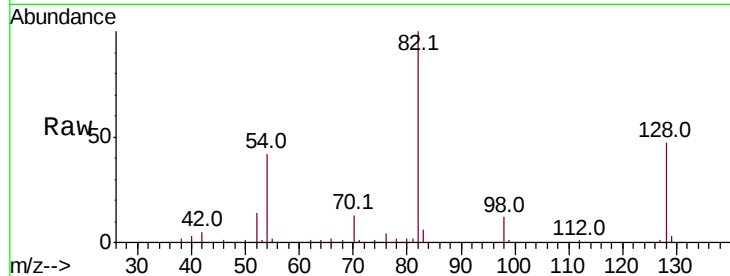




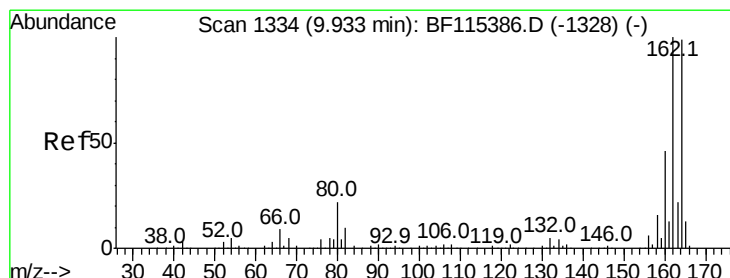
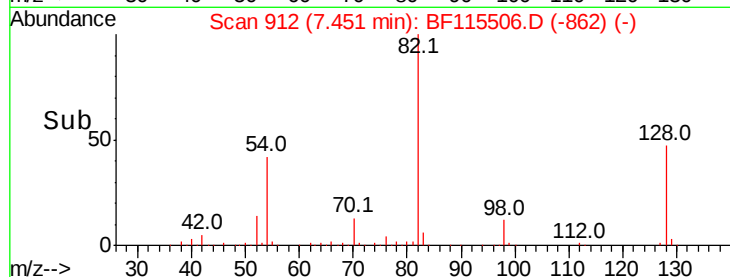
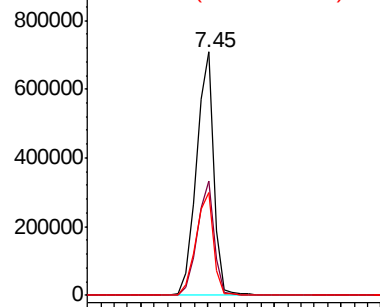
#23  
Nitrobenzene-d5  
Concen: 67.707 ng  
RT: 7.45 min Scan# 912  
Delta R.T. -0.01 min  
Lab File: BF115506.D  
Acq: 11 Jul 2019 20:41

Instrument :  
BNA\_F  
ClientSampled :  
LID-B

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 46.8  | 36.7  | 55.1  |
| 54      | 42.1  | 35.6  | 53.4  |

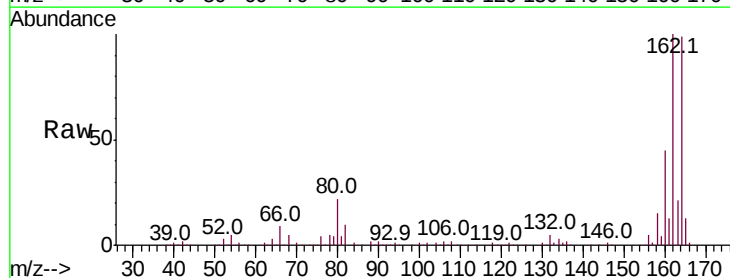


Abundance Ion 82.00 (81.70 to 82.70): BF1  
Ion 128.00 (127.70 to 128.70): E  
Ion 54.00 (53.70 to 54.70): BF1

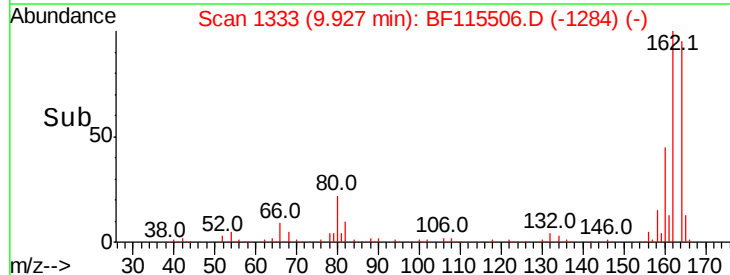
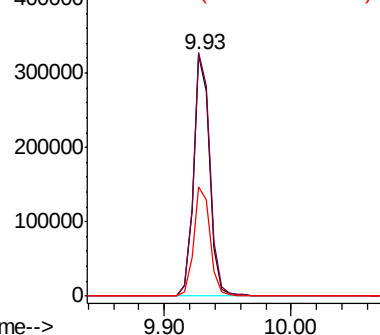


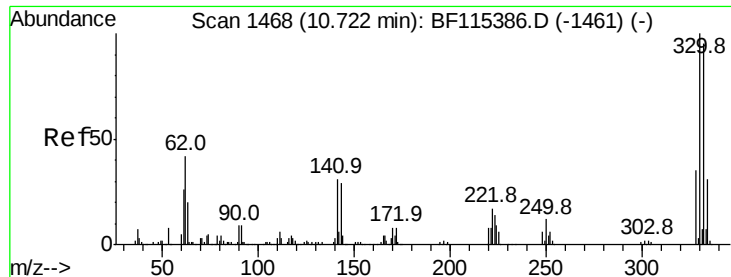
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.93 min Scan# 1333  
Delta R.T. -0.01 min  
Lab File: BF115506.D  
Acq: 11 Jul 2019 20:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 100.9 | 82.3  | 123.5 |
| 160     | 45.4  | 37.2  | 55.8  |



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

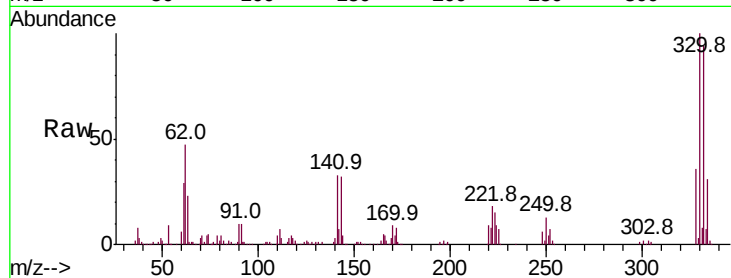




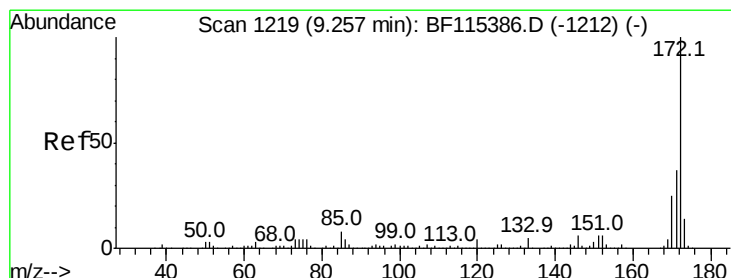
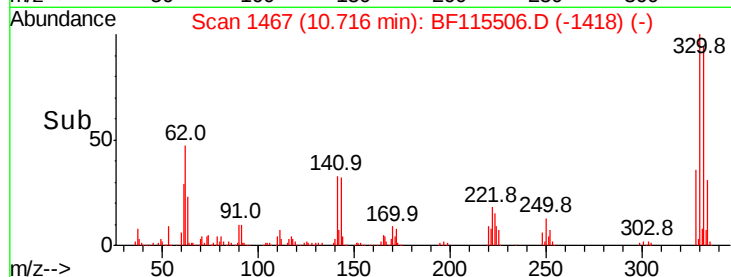
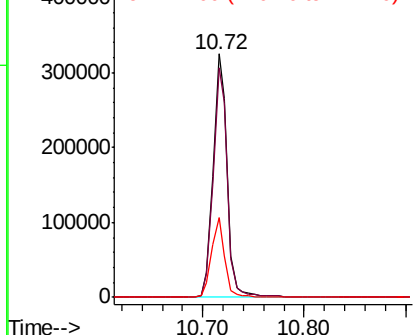
#42  
 2,4,6-Tribromophenol  
 Concen: 98.266 ng  
 RT: 10.72 min Scan# 1467  
 Delta R.T. -0.01 min  
 Lab File: BF115506.D  
 Acq: 11 Jul 2019 20:41

Instrument :  
 BNA\_F  
 ClientSampleId :  
 LID-B

Tot Ion:330 Resp: 313736  
 Ion Ratio Lower Upper  
 330 100  
 332 94.9 77.4 116.0  
 141 30.9 24.7 37.1

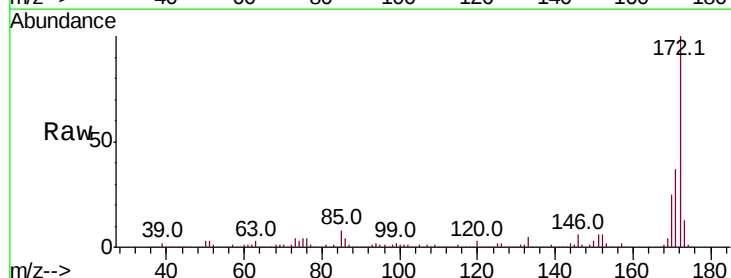


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

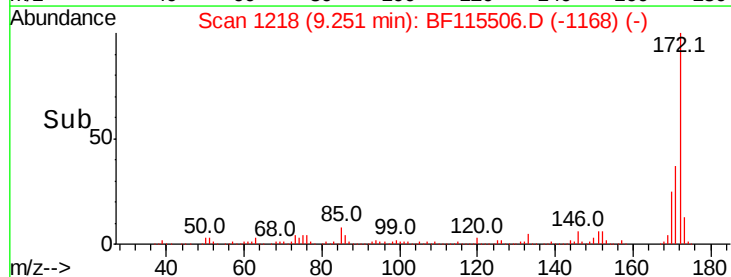
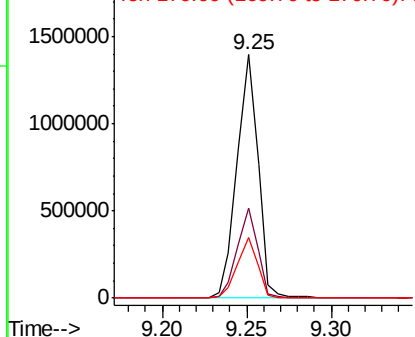


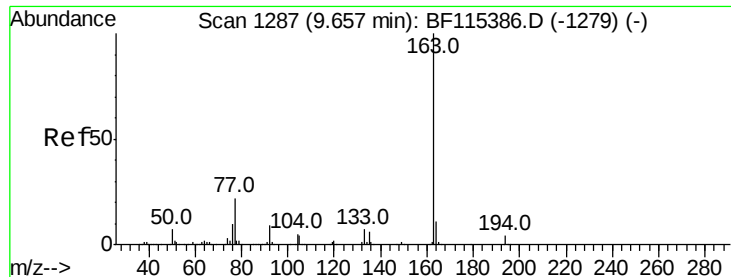
#45  
 2-Fluorobiphenyl  
 Concen: 74.052 ng  
 RT: 9.25 min Scan# 1218  
 Delta R.T. -0.01 min  
 Lab File: BF115506.D  
 Acq: 11 Jul 2019 20:41

Tgt Ion:172 Resp: 1218599  
 Ion Ratio Lower Upper  
 172 100  
 171 37.2 29.8 44.8  
 170 24.7 20.0 30.0



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: 5.080 ng

RT: 9.64 min Scan# 1284

Delta R.T. -0.02 min

Lab File: BF115506.D

Acq: 11 Jul 2019 20:41

Instrument :

BNA\_F

ClientSampleId :

LID-B

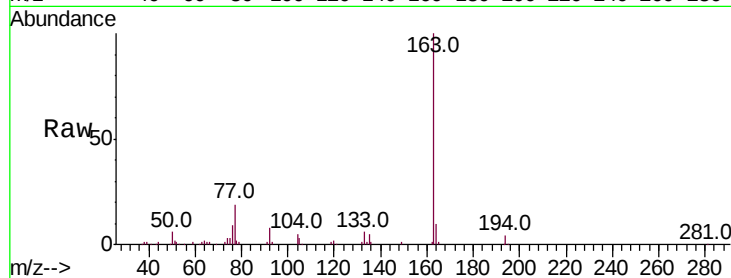
Tot Ion:163 Resp: 110100

Ion Ratio Lower Upper

163 100

194 3.9 3.1 4.7

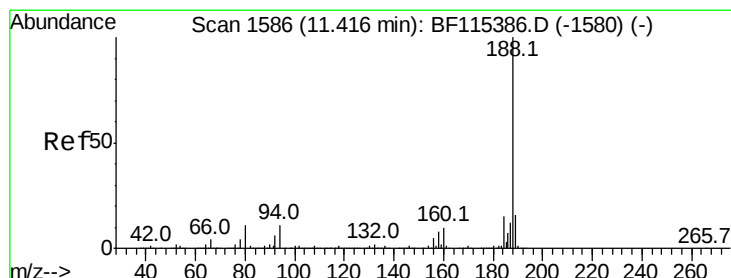
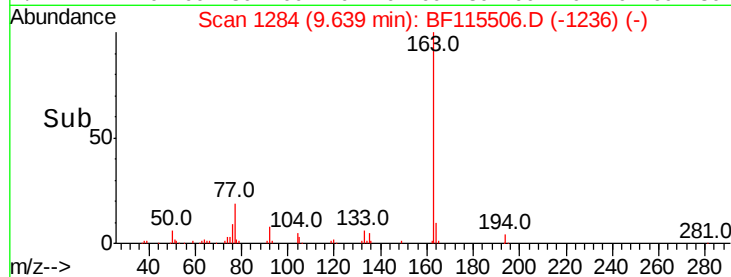
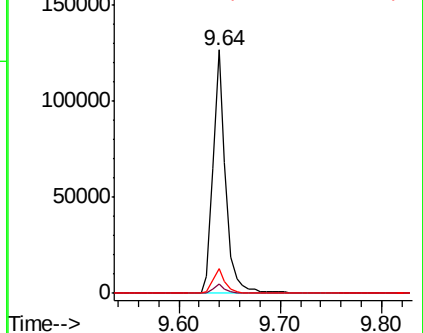
164 10.4 8.6 13.0



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: 11.42 min Scan# 1586

Delta R.T. -0.01 min

Lab File: BF115506.D

Acq: 11 Jul 2019 20:41

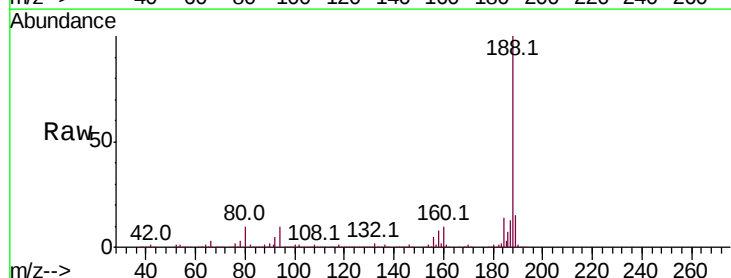
Tgt Ion:188 Resp: 584755

Ion Ratio Lower Upper

188 100

94 9.6 7.8 11.8

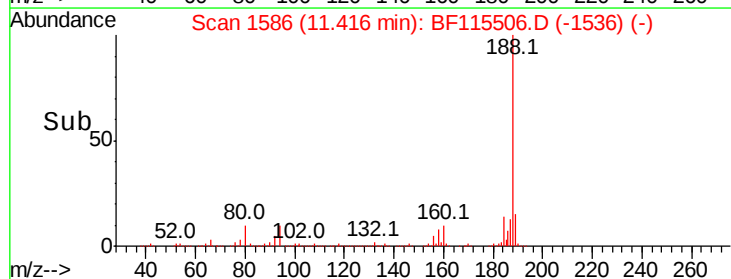
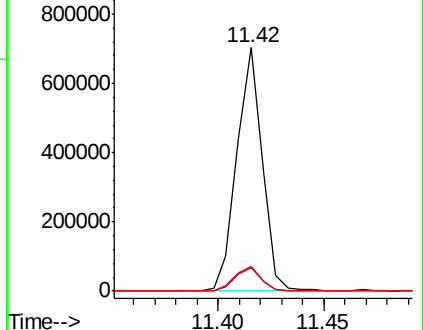
80 10.3 8.4 12.6

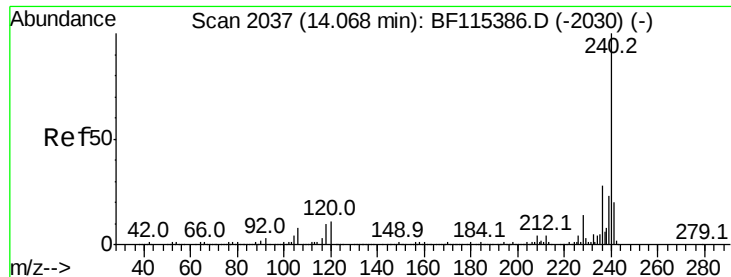


Abundance Ion 188.00 (187.70 to 188.70): E

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: 14.05 min Scan# 2034

Delta R.T. -0.02 min

Lab File: BF115506.D

Acq: 11 Jul 2019 20:41

Instrument :

BNA\_F

ClientSampleId :

LID-B

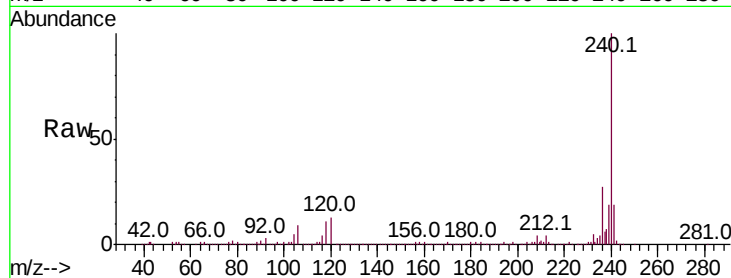
Tot Ion:240 Resp: 499328

Ion Ratio Lower Upper

240 100

120 12.7 10.2 15.4

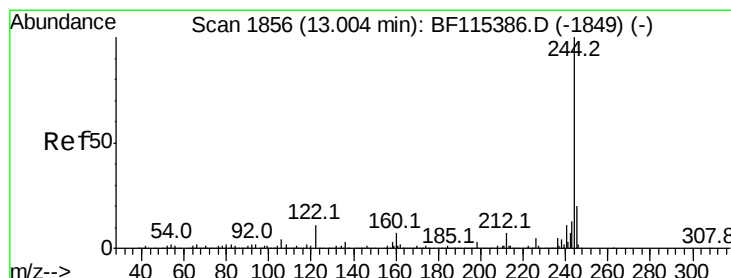
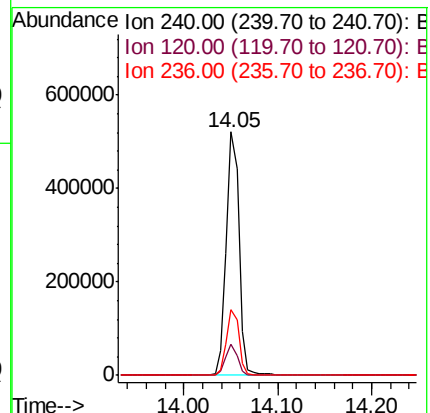
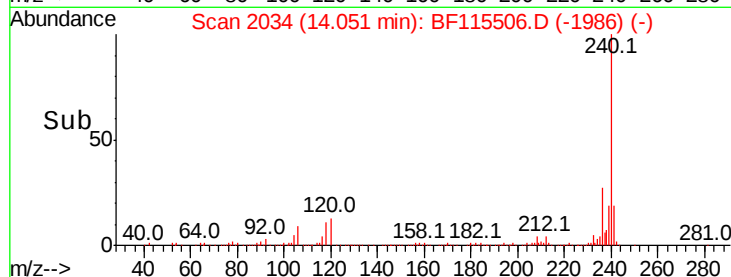
236 26.7 21.1 31.7



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: 62.321 ng

RT: 13.00 min Scan# 1856

Delta R.T. -0.01 min

Lab File: BF115506.D

Acq: 11 Jul 2019 20:41

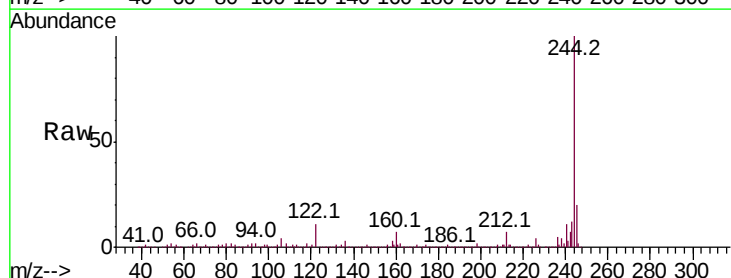
Tgt Ion:244 Resp: 1519828

Ion Ratio Lower Upper

244 100

212 6.9 5.7 8.5

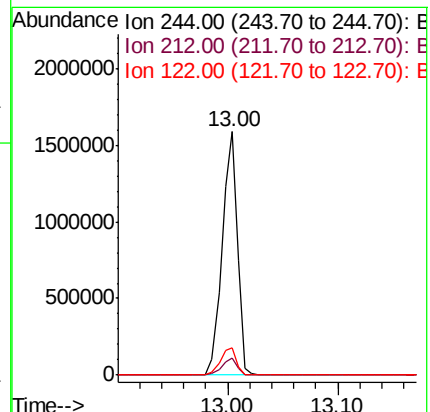
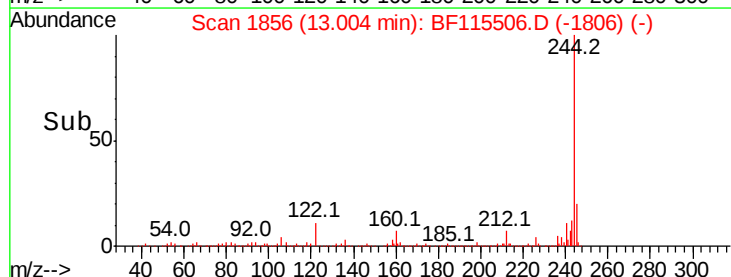
122 11.0 9.1 13.7

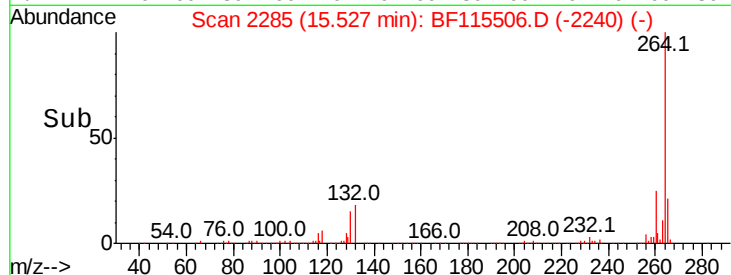
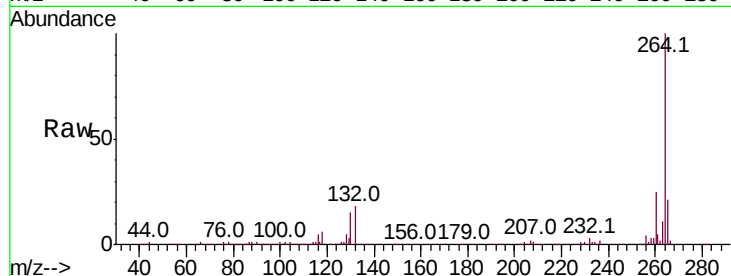
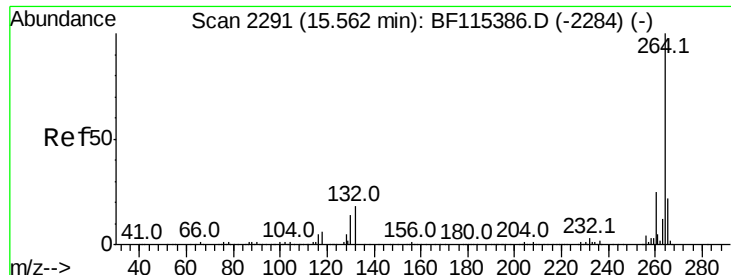


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87  
 Pervlene-d12  
 Concen: 20.000 ng  
 RT: 15.53 min Scan# 2285  
 Delta R.T. -0.04 min  
 Lab File: BF115506.D  
 Acq: 11 Jul 2019 20:41

Instrument :  
 BNA\_F  
 ClientSampleId :  
 LID-B

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 264   | Resp: | 489937 |
| Ion      | Ratio | Lower | Upper  |
| 264      | 100   |       |        |
| 260      | 24.9  | 20.1  | 30.1   |
| 265      | 21.4  | 17.8  | 26.6   |

