

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080119\  
 Data File : BF115922.D  
 Acq On : 1 Aug 2019 22:22  
 Operator : HP/JU  
 Sample : K4021-01  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-10

Quant Time: Aug 02 07:05:37 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jul 31 15:31:51 2019  
 Response via : Initial Calibration

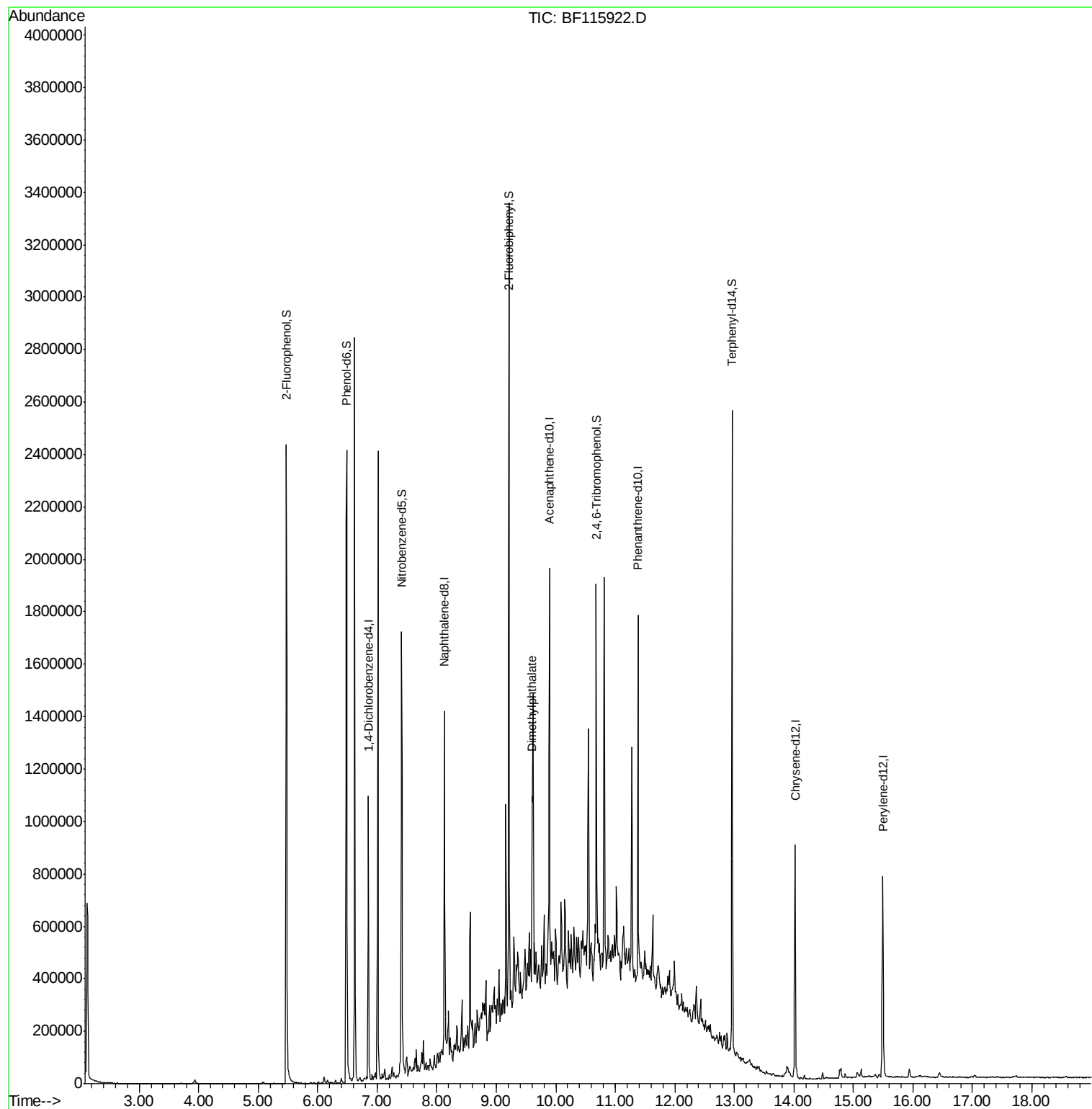
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min)       |
|-----------------------------|-------|------|----------|-------|-------|----------------|
| 1) 1,4-Dichlorobenzene-d4   | 6.85  | 152  | 149233   | 20.00 | ng    | 0.00           |
| 21) Naphthalene-d8          | 8.13  | 136  | 570098   | 20.00 | ng    | 0.00           |
| 39) Acenaphthene-d10        | 9.89  | 164  | 292561   | 20.00 | ng    | 0.00           |
| 64) Phenanthrene-d10        | 11.38 | 188  | 460516   | 20.00 | ng    | 0.00           |
| 76) Chrysene-d12            | 14.02 | 240  | 311187   | 20.00 | ng    | 0.00           |
| 87) Perylene-d12            | 15.49 | 264  | 383546   | 20.00 | ng    | 0.00           |
| System Monitoring Compounds |       |      |          |       |       |                |
| 5) 2-Fluorophenol           | 5.47  | 112  | 702414   | 78.80 | ng    | 0.00           |
| 7) Phenol-d6                | 6.49  | 99   | 919413   | 81.75 | ng    | 0.00           |
| 23) Nitrobenzene-d5         | 7.41  | 82   | 564469   | 57.15 | ng    | 0.00           |
| 42) 2,4,6-Tribromophenol    | 10.69 | 330  | 190404   | 67.13 | ng    | 0.00           |
| 45) 2-Fluorobiphenyl        | 9.21  | 172  | 993993   | 63.64 | ng    | 0.00           |
| 79) Terphenyl-d14           | 12.96 | 244  | 811233   | 54.93 | ng    | 0.00           |
| Target Compounds            |       |      |          |       |       |                |
| 50) Dimethylphthalate       | 9.60  | 163  | 153072   | 7.684 | ng    | Qvalue<br># 98 |

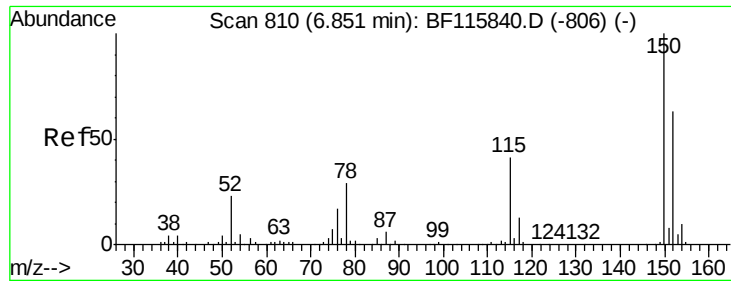
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080119\  
Data File : BF115922.D  
Acq On : 1 Aug 2019 22:22  
Operator : HP/JU  
Sample : K4021-01  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TP-10

Quant Time: Aug 02 07:05:37 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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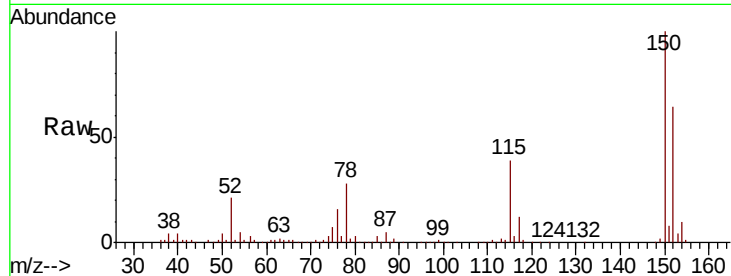


#1

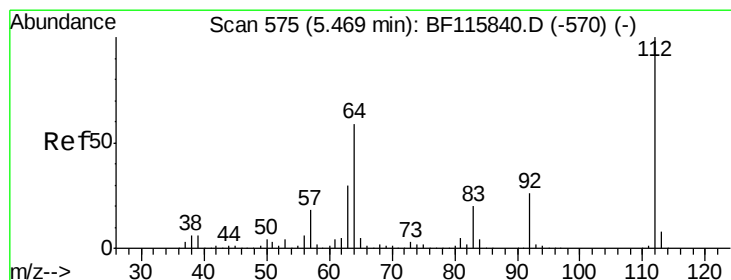
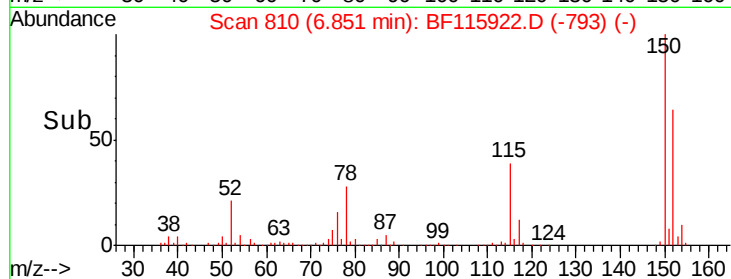
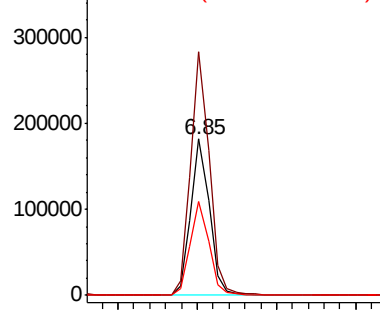
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.85 min Scan# 810  
Delta R.T. -0.00 min  
Lab File: BF115922.D  
Acq: 1 Aug 2019 22:22

Instrument :  
BNA\_F  
ClientSampleId :  
TP-10

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 156.1 | 127.4 | 191.0 |
| 115     | 60.3  | 51.8  | 77.8  |



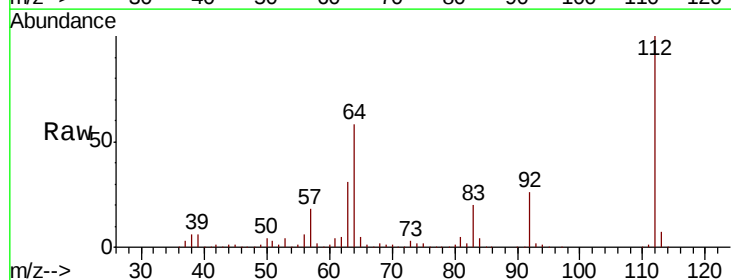
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



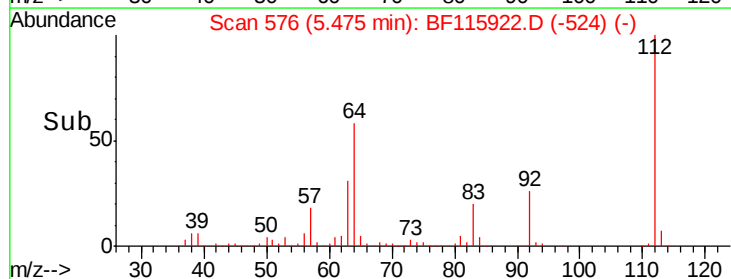
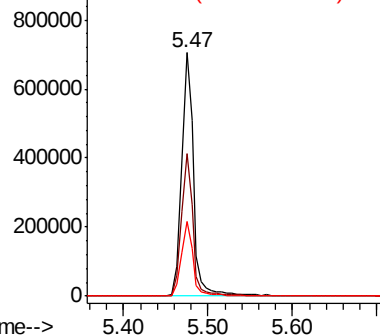
#5

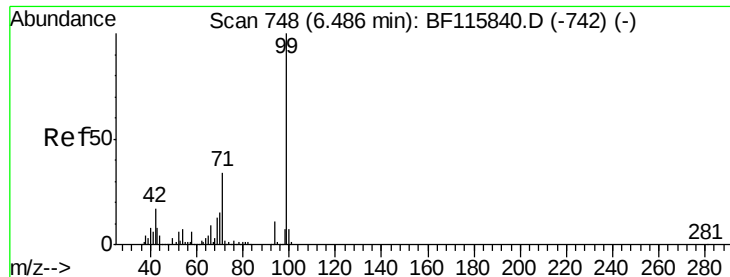
2-Fluorophenol  
Concen: 78.795 ng  
RT: 5.47 min Scan# 576  
Delta R.T. 0.01 min  
Lab File: BF115922.D  
Acq: 1 Aug 2019 22:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 58.4  | 46.8  | 70.2  |
| 63      | 30.5  | 24.2  | 36.2  |



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: 81.747 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.00 min

Lab File: BF115922.D

Acq: 1 Aug 2019 22:22

Instrument :

BNA\_F

ClientSampleId :

TP-10

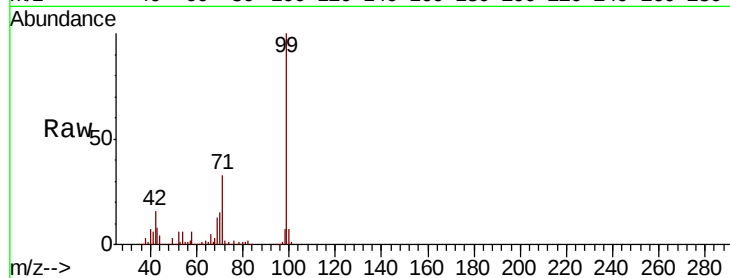
Tot Ion: 99 Resp: 919413

Ion Ratio Lower Upper

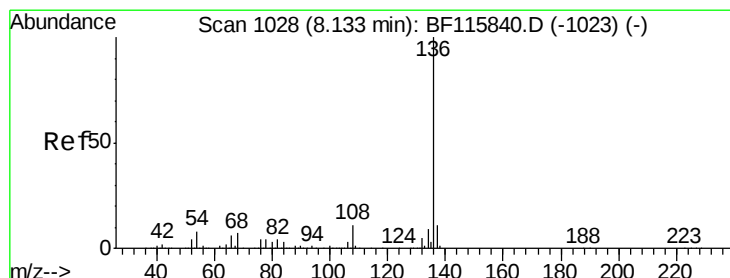
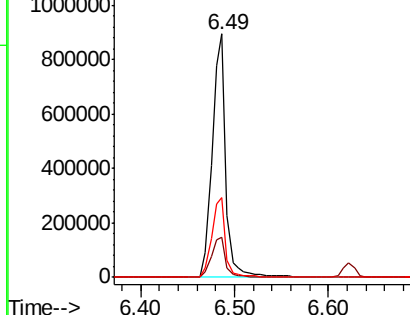
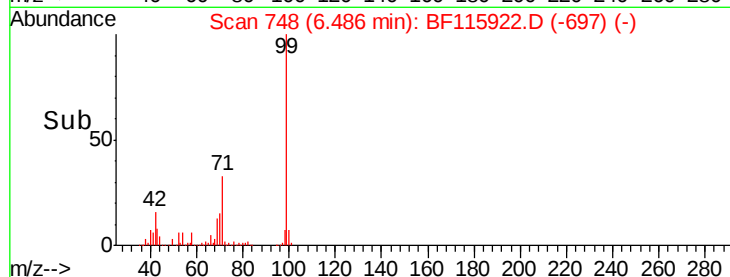
99 100

42 16.2 13.8 20.6

71 33.0 27.1 40.7



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: 8.13 min Scan# 1028

Delta R.T. -0.00 min

Lab File: BF115922.D

Acq: 1 Aug 2019 22:22

Tgt Ion: 136 Resp: 570098

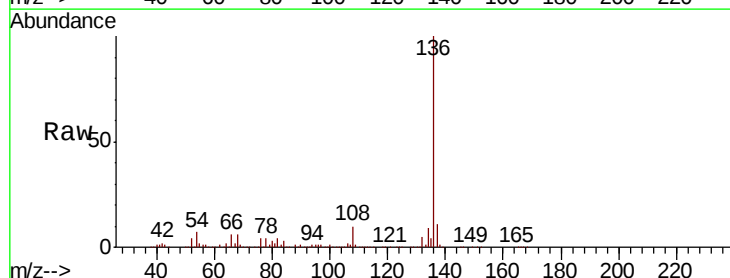
Ion Ratio Lower Upper

136 100

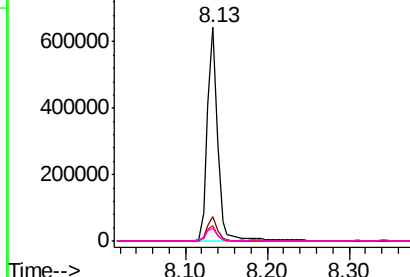
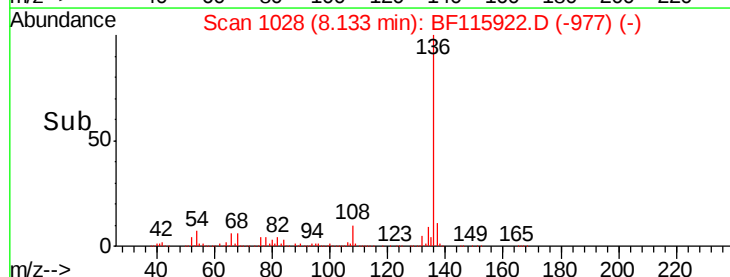
137 11.2 9.1 13.7

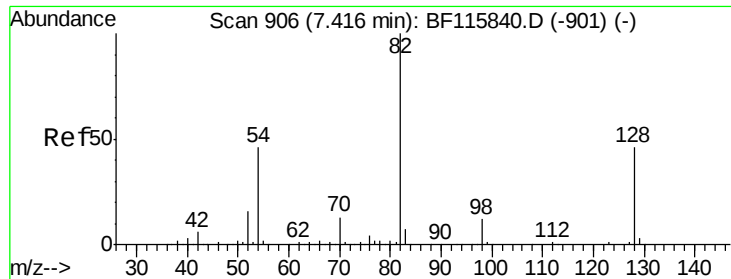
54 6.9 6.1 9.1

68 6.2 5.4 8.2



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

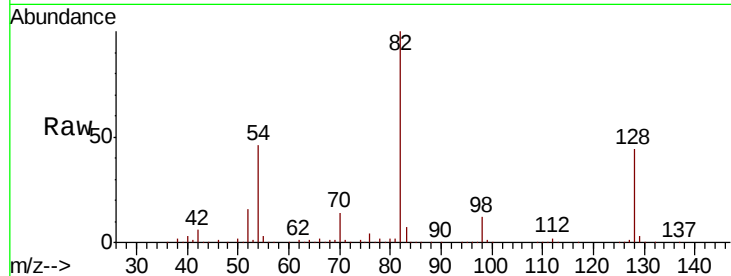




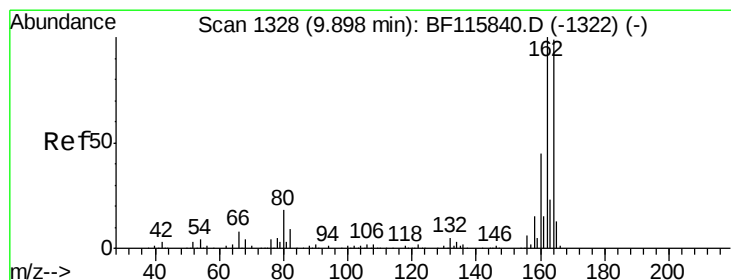
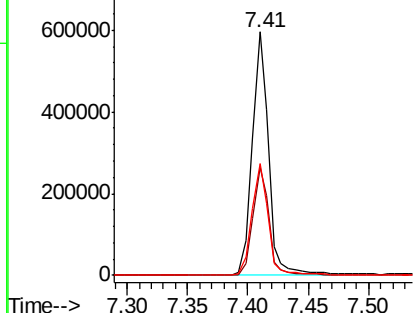
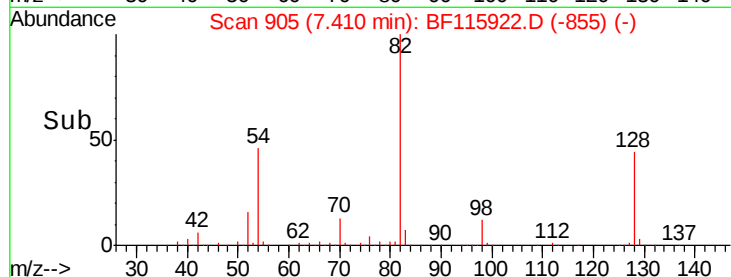
#23  
 Nitrobenzene-d5  
 Concen: 57.153 ng  
 RT: 7.41 min Scan# 905  
 Delta R.T. -0.01 min  
 Lab File: BF115922.D  
 Acq: 1 Aug 2019 22:22

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-10

| Tot Ion   | 82    | Resp  | 564469 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 44.1  | 36.6  | 55.0   |
| 54        | 45.8  | 36.6  | 55.0   |

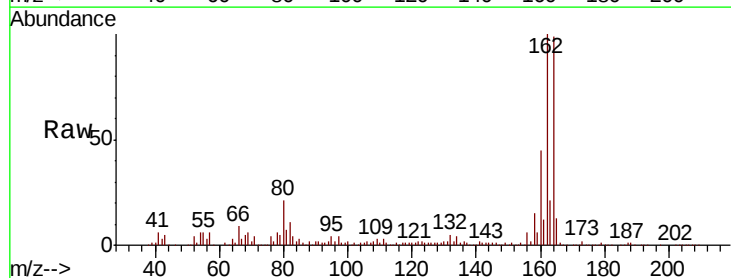


Abundance Ion 82.00 (81.70 to 82.70): BF1  
 Ion 128.00 (127.70 to 128.70): E  
 Ion 54.00 (53.70 to 54.70): BF1

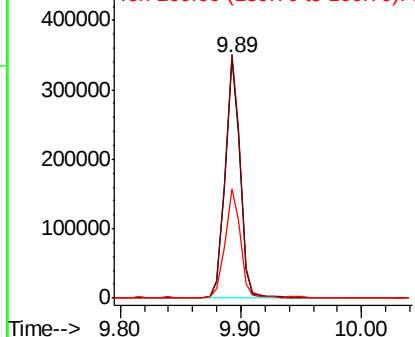
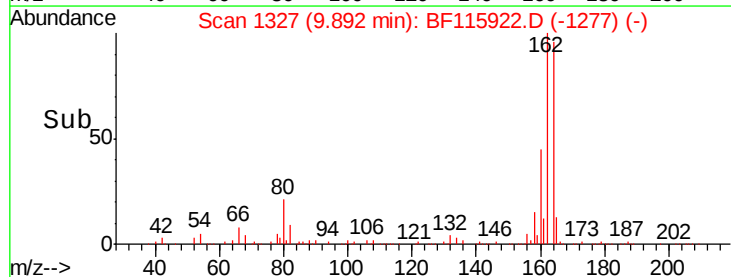


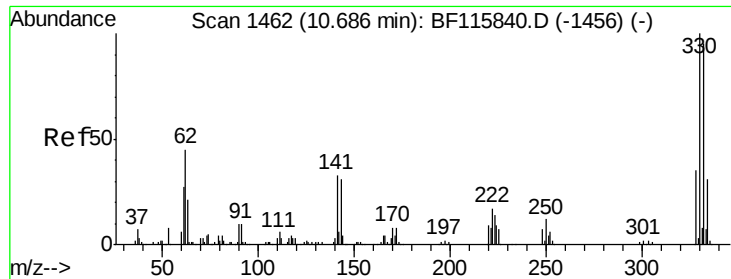
#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.89 min Scan# 1327  
 Delta R.T. -0.01 min  
 Lab File: BF115922.D  
 Acq: 1 Aug 2019 22:22

| Tgt Ion   | 164   | Resp  | 292561 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 162       | 101.3 | 80.8  | 121.2  |
| 160       | 45.7  | 36.2  | 54.4   |



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

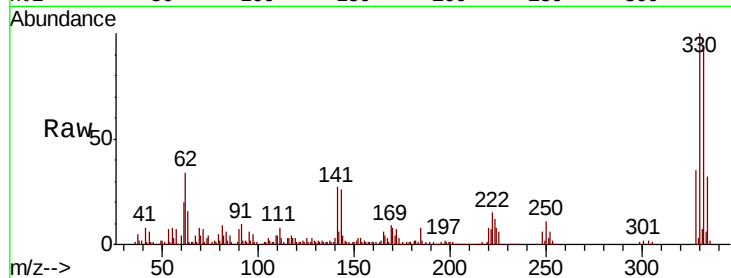




#42  
 2,4,6-Tribromophenol  
 Concen: 67.127 ng  
 RT: 10.69 min Scan# 1462  
 Delta R.T. -0.00 min  
 Lab File: BF115922.D  
 Acq: 1 Aug 2019 22:22

Instrument :  
 BNA\_F  
 ClientSampleID :  
 TP-10

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.9  | 77.7  | 116.5 |
| 141     | 34.0  | 28.1  | 42.1  |

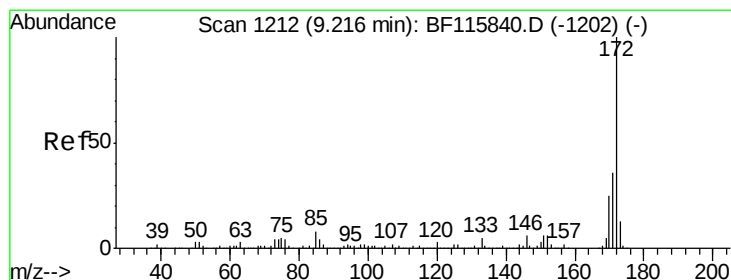
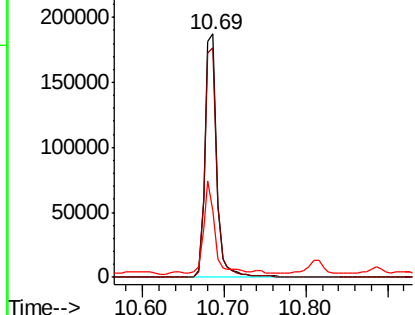
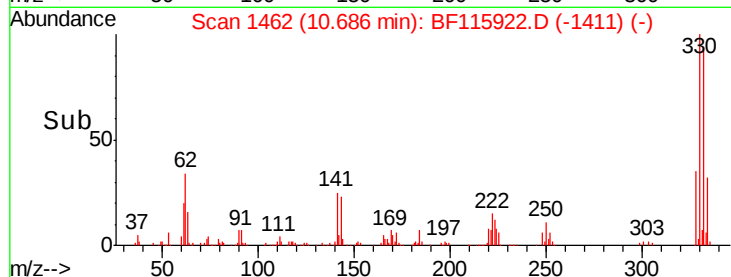


Abundance

Ion 329.80 (329.50 to 330.50): E

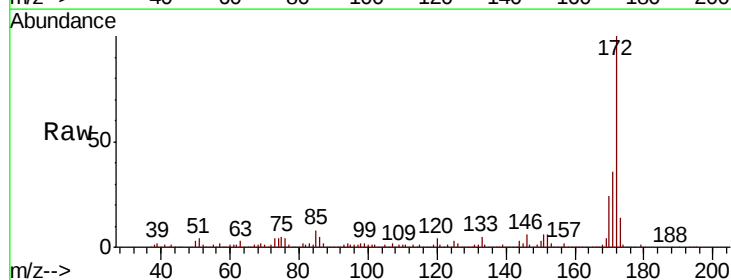
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45  
 2-Fluorobiphenyl  
 Concen: 63.639 ng  
 RT: 9.21 min Scan# 1211  
 Delta R.T. -0.01 min  
 Lab File: BF115922.D  
 Acq: 1 Aug 2019 22:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.1  | 29.1  | 43.7  |
| 170     | 24.2  | 20.1  | 30.1  |

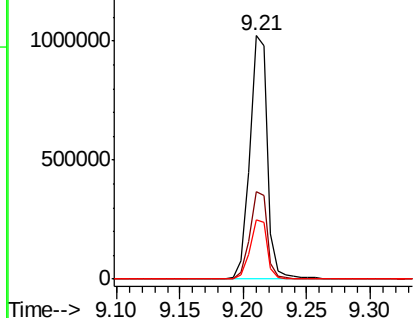
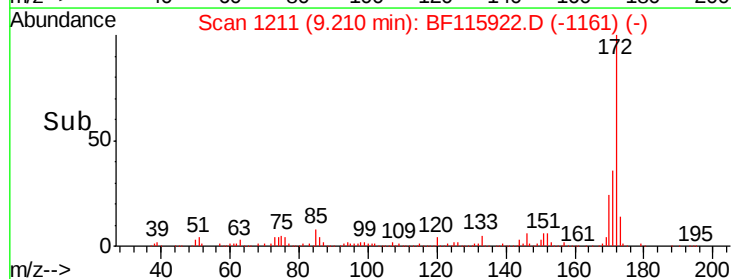


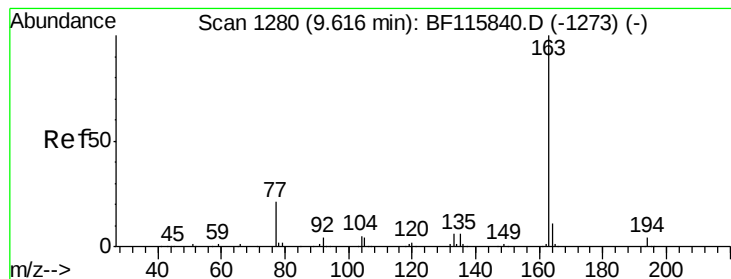
Abundance

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: 7.684 ng

RT: 9.60 min Scan# 1278

Delta R.T. -0.01 min

Lab File: BF115922.D

Acq: 1 Aug 2019 22:22

Instrument :

BNA\_F

ClientSampled :

TP-10

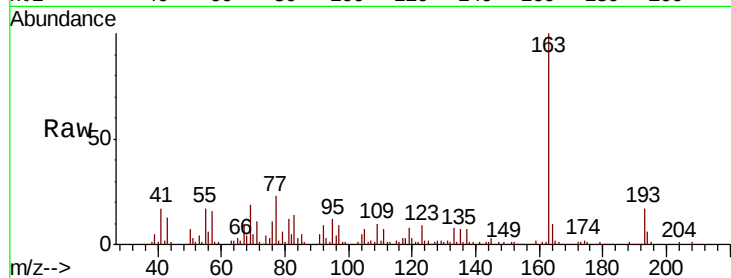
Tot Ion:163 Resp: 153072

Ion Ratio Lower Upper

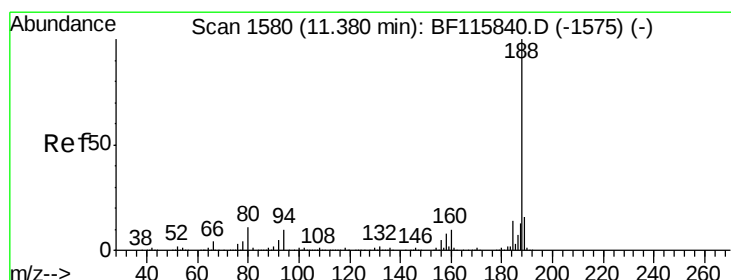
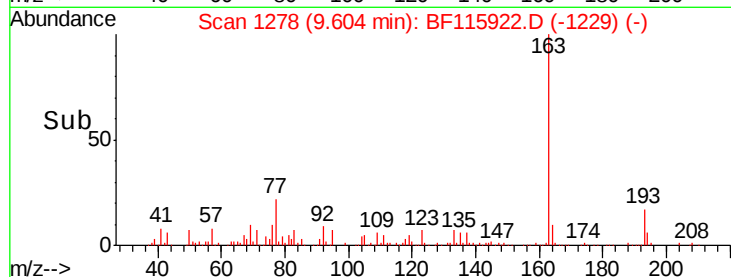
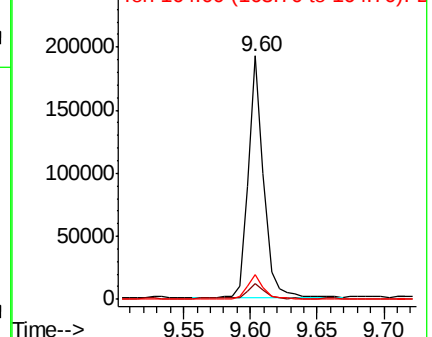
163 100

194 6.5 3.0 4.6#

164 10.4 8.4 12.6



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: 11.38 min Scan# 1580

Delta R.T. -0.00 min

Lab File: BF115922.D

Acq: 1 Aug 2019 22:22

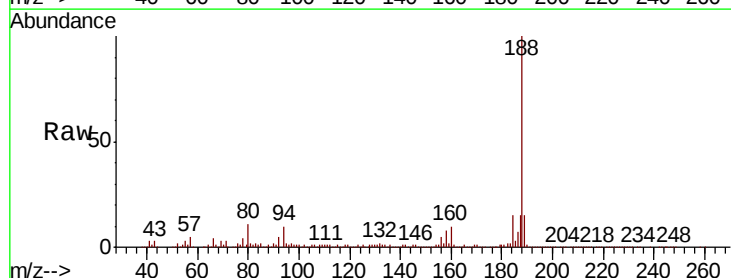
Tgt Ion:188 Resp: 460516

Ion Ratio Lower Upper

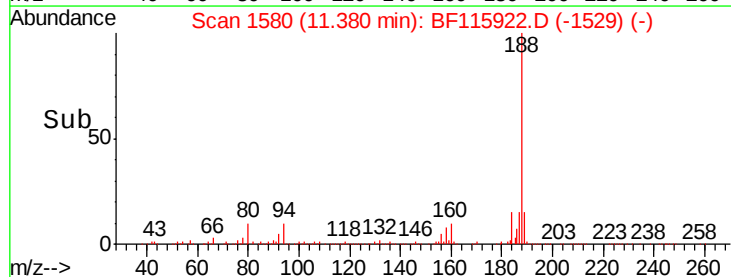
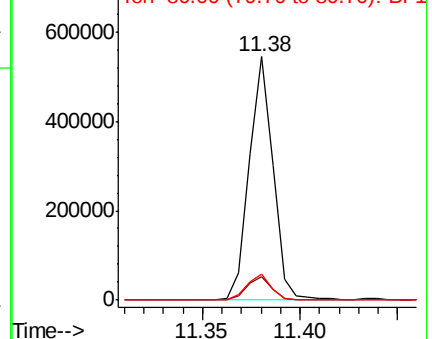
188 100

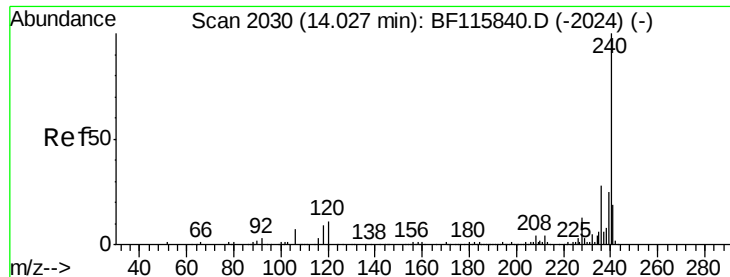
94 9.9 8.0 12.0

80 10.7 8.6 12.8



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

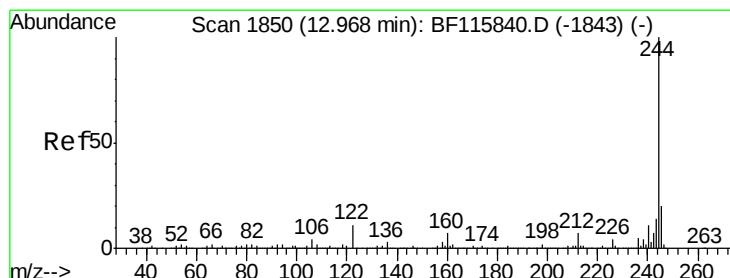
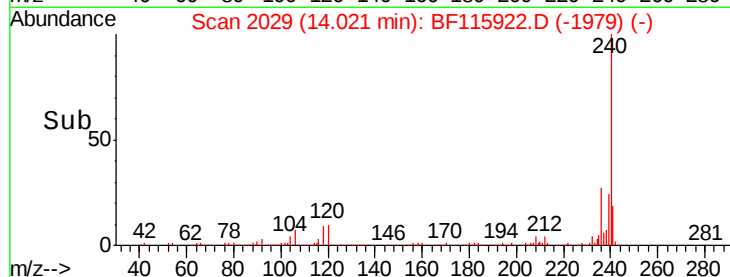
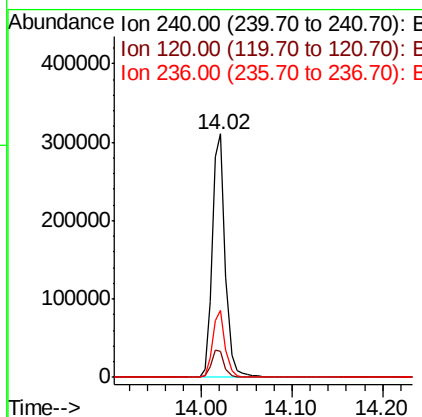
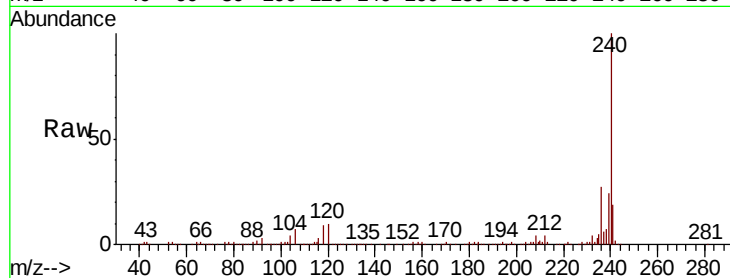




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.02 min Scan# 2029  
Delta R.T. -0.01 min  
Lab File: BF115922.D  
Acq: 1 Aug 2019 22:22

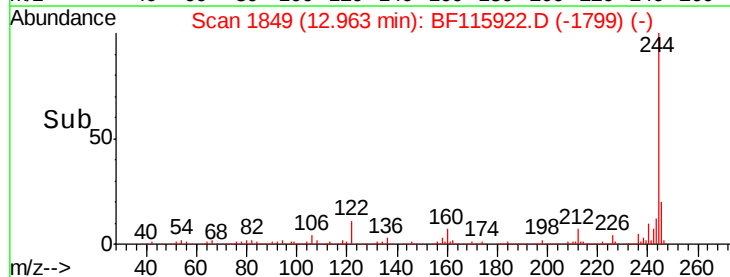
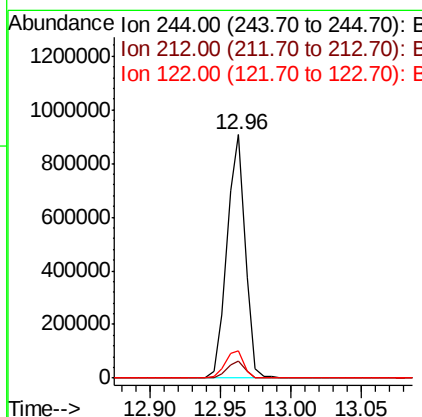
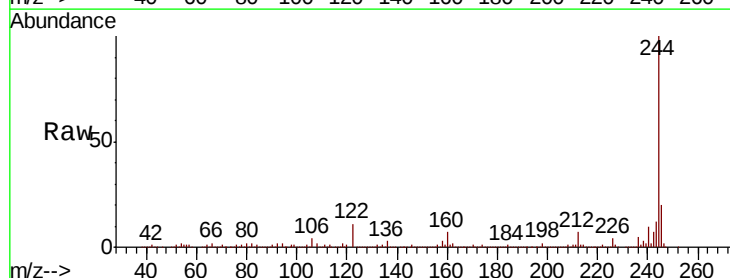
Instrument :  
BNA\_F  
ClientSampleId :  
TP-10

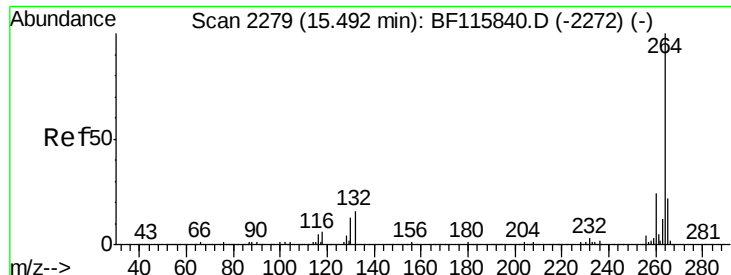
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 10.4  | 8.5   | 12.7  |
| 236     | 27.3  | 22.2  | 33.2  |



#79  
Terphenyl-d14  
Concen: 54.932 ng  
RT: 12.96 min Scan# 1849  
Delta R.T. -0.01 min  
Lab File: BF115922.D  
Acq: 1 Aug 2019 22:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 6.9   | 5.6   | 8.4   |
| 122     | 11.0  | 8.6   | 13.0  |

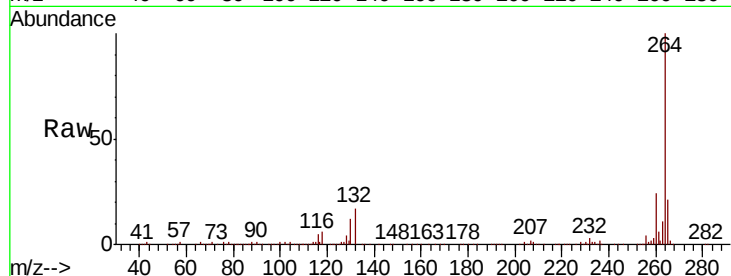




#87  
Pervlene-d12  
Concen: 20.000 ng  
RT: 15.49 min Scan# 2279  
Delta R.T. -0.00 min  
Lab File: BF115922.D  
Acq: 1 Aug 2019 22:22

Instrument :  
BNA\_F  
ClientSampleId :  
TP-10

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.0  | 19.4  | 29.2  |
| 265     | 21.3  | 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

