

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060619\  
 Data File : BF114850.D  
 Acq On : 6 Jun 2019 9:31  
 Operator : HP/JU  
 Sample : K2638-03  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 2019

Quant Time: Jun 07 00:05:05 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF060419.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jun 04 16:57:15 2019  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.67  | 152  | 477951   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 7.95  | 136  | 1910221  | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 9.70  | 164  | 989802   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 11.17 | 188  | 1942712  | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12            | 13.80 | 240  | 1436864  | 20.00  | ng    | 0.00     |
| 87) Perylene-d12            | 15.19 | 264  | 1377162  | 20.00  | ng    | 0.02     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.30  | 112  | 2660677  | 97.27  | ng    | 0.04     |
| 7) Phenol-d6                | 6.31  | 99   | 2829462  | 85.01  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.23  | 82   | 2520561  | 81.23  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.49 | 330  | 1289937  | 120.93 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.03  | 172  | 4646894  | 87.95  | ng    | 0.00     |
| 79) Terphenyl-d14           | 12.76 | 244  | 4713756  | 63.80  | ng    | 0.01     |

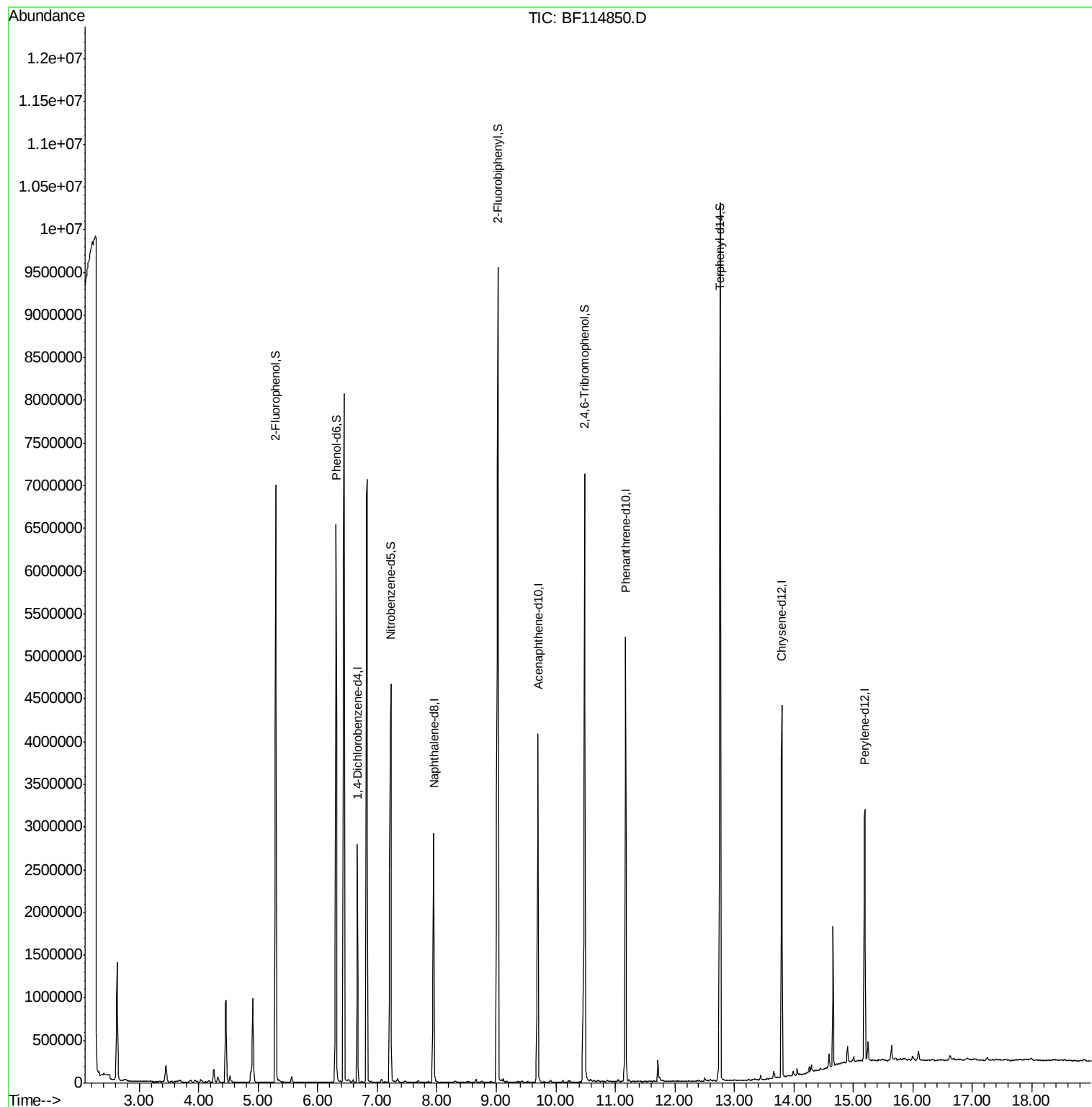
Target Compounds Qvalue

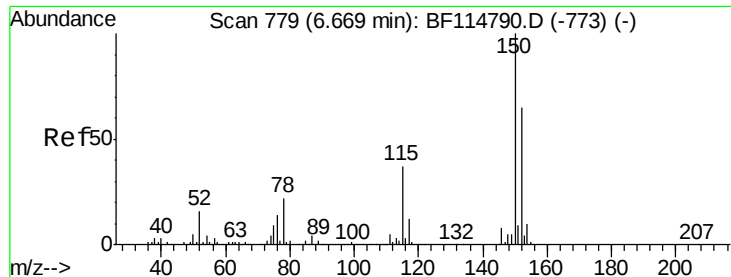
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : K2638-03  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
2019

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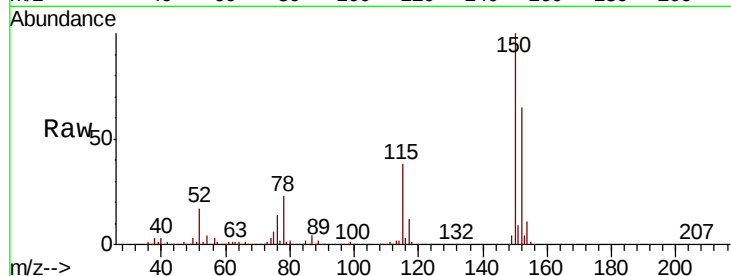


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.67 min Scan# 779  
Delta R.T. -0.00 min  
Lab File: BF114850.D  
Acq: 6 Jun 2019 9:31

Instrument :  
BNA\_F  
ClientSampleId :  
2019

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 154.8 | 124.0 | 186.0 |
| 115     | 59.3  | 46.3  | 69.5  |

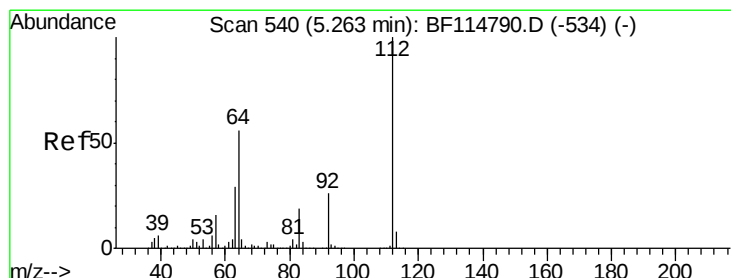
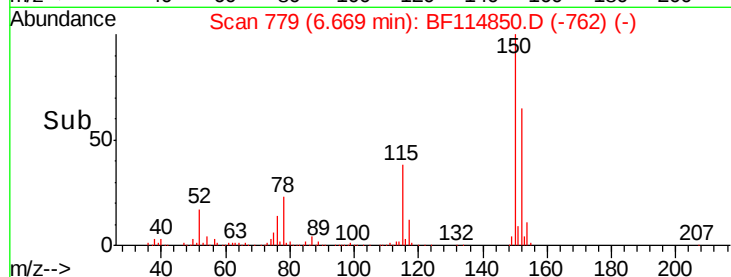
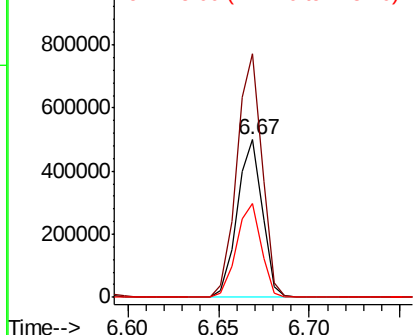


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

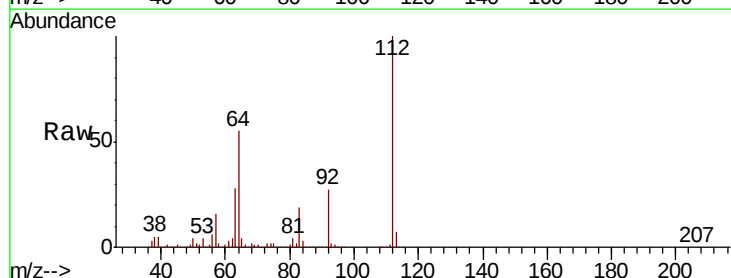
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol  
Concen: 97.272 ng  
RT: 5.30 min Scan# 546  
Delta R.T. 0.04 min  
Lab File: BF114850.D  
Acq: 6 Jun 2019 9:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 55.0  | 44.6  | 66.8  |
| 63      | 28.4  | 23.0  | 34.4  |

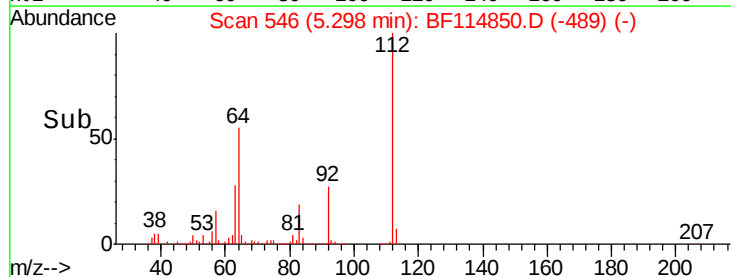
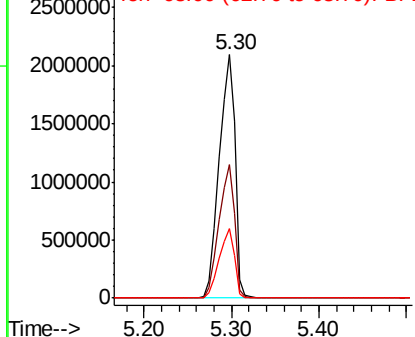


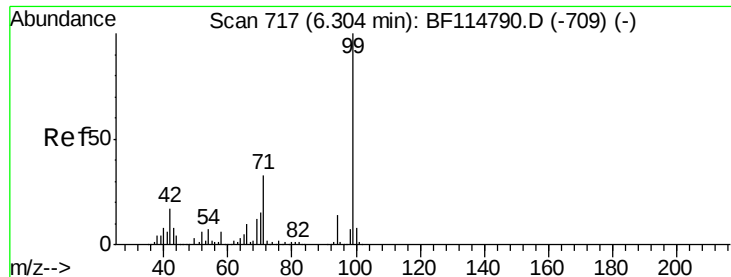
Abundance

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: 85.012 ng

RT: 6.31 min Scan# 718

Delta R.T. 0.01 min

Lab File: BF114850.D

Acq: 6 Jun 2019 9:31

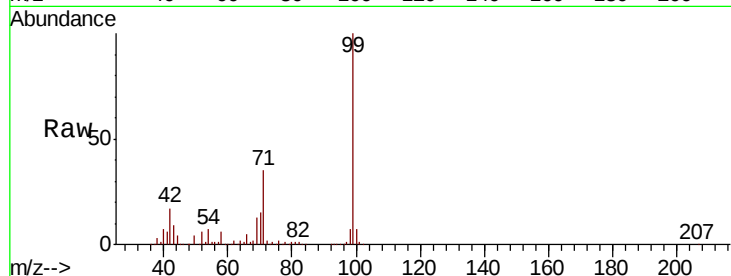
Instrument :

BNA\_F

ClientSampled :  
2019

Tot Ion: 99 Resp: 2829462

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 17.1  | 13.3  | 19.9  |
| 71  | 34.6  | 26.3  | 39.5  |

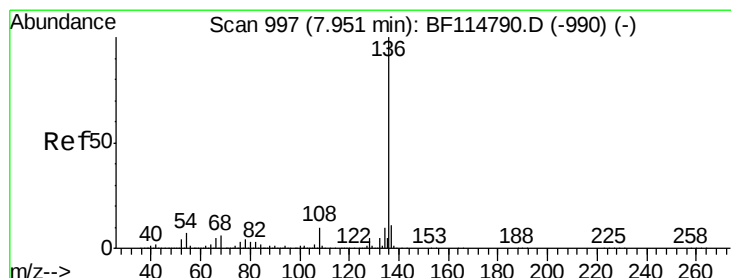
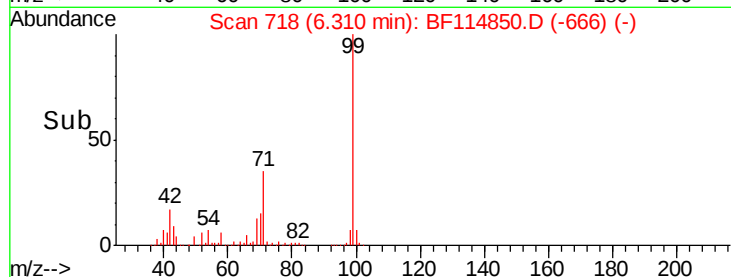
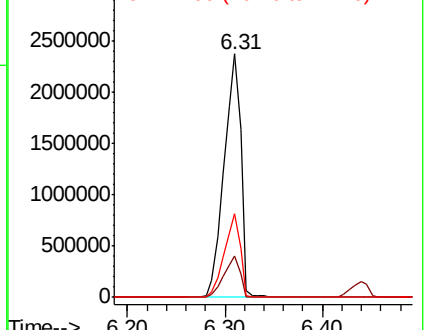


Abundance

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: 7.95 min Scan# 997

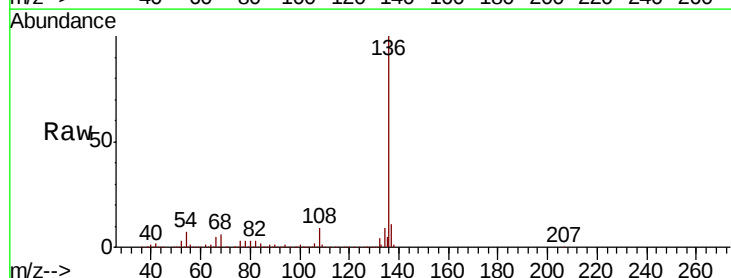
Delta R.T. -0.00 min

Lab File: BF114850.D

Acq: 6 Jun 2019 9:31

Tgt Ion: 136 Resp: 1910221

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 11.1  | 9.1   | 13.7  |
| 54  | 6.5   | 5.4   | 8.0   |
| 68  | 5.6   | 4.6   | 6.8   |



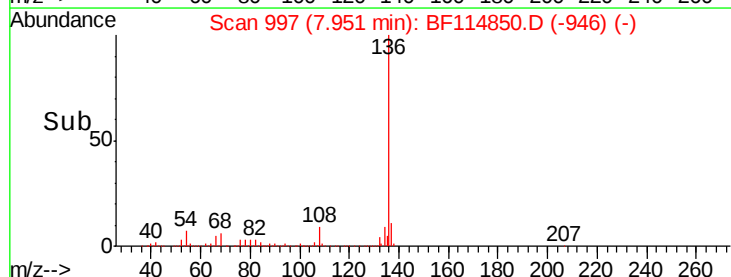
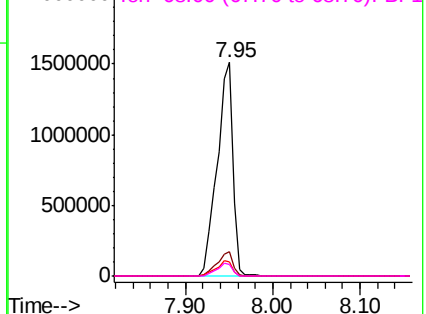
Abundance

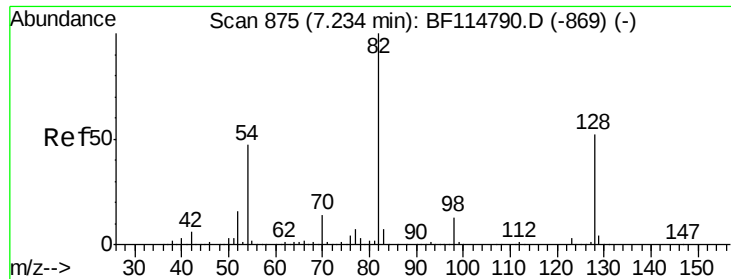
Ion 136.00 (135.70 to 136.70): E

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

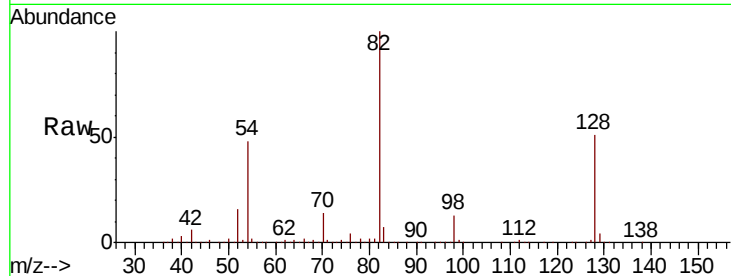




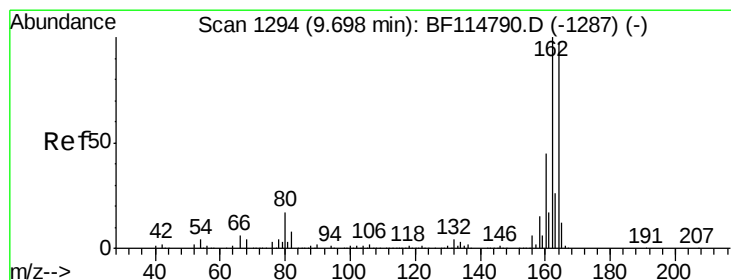
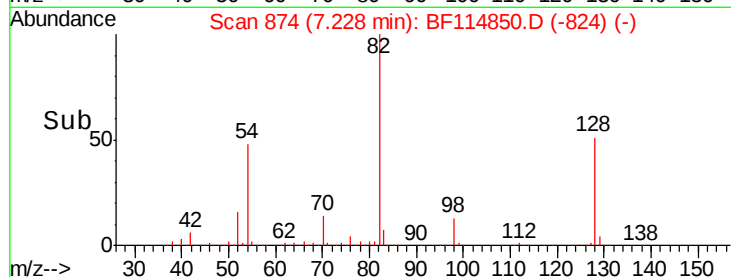
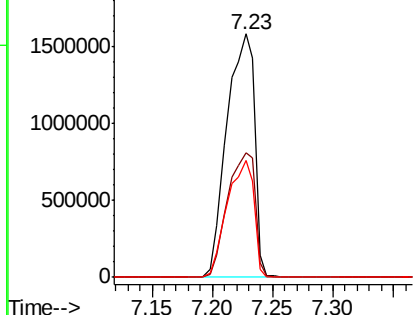
#23  
 Nitrobenzene-d5  
 Concen: 81.227 ng  
 RT: 7.23 min Scan# 874  
 Delta R.T. -0.01 min  
 Lab File: BF114850.D  
 Acq: 6 Jun 2019 9:31

Instrument :  
 BNA\_F  
 ClientSampleId :  
 2019

Tot Ion: 82 Resp: 2520561  
 Ion Ratio Lower Upper  
 82 100  
 128 51.4 41.8 62.6  
 54 47.8 37.9 56.9

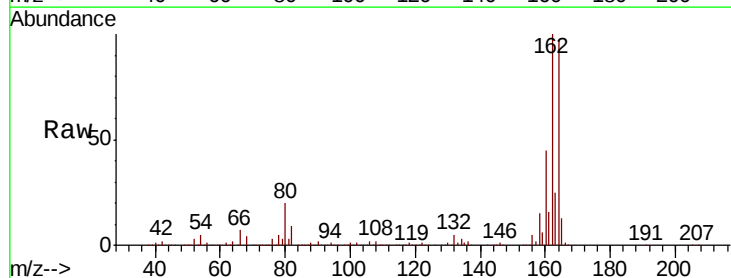


Abundance Ion 82.00 (81.70 to 82.70): BF1  
 Ion 128.00 (127.70 to 128.70): BF1  
 Ion 54.00 (53.70 to 54.70): BF1

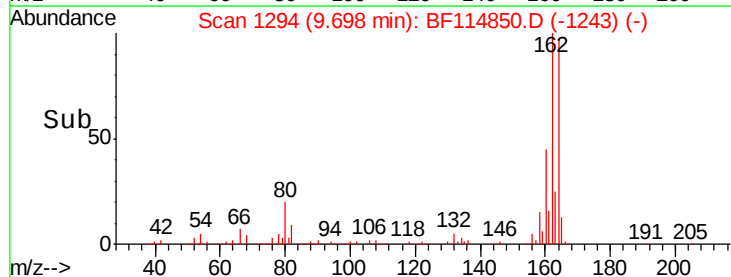
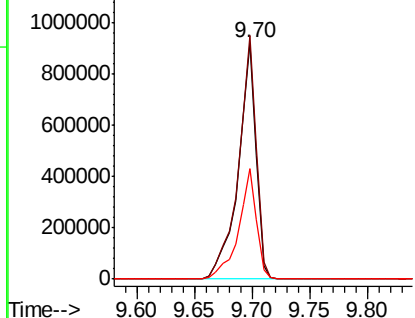


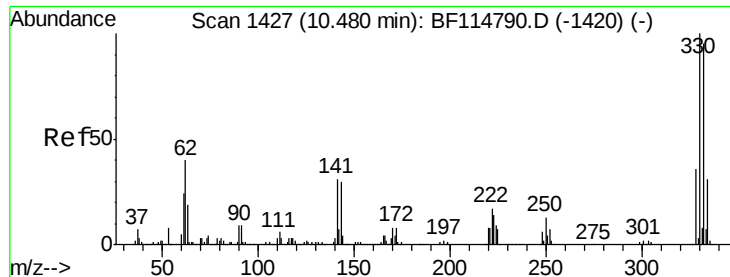
#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.70 min Scan# 1294  
 Delta R.T. -0.00 min  
 Lab File: BF114850.D  
 Acq: 6 Jun 2019 9:31

Tgt Ion:164 Resp: 989802  
 Ion Ratio Lower Upper  
 164 100  
 162 103.2 82.3 123.5  
 160 46.6 36.7 55.1



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: 120.931 ng

RT: 10.49 min Scan# 1428

Delta R.T. 0.01 min

Lab File: BF114850.D

Acq: 6 Jun 2019 9:31

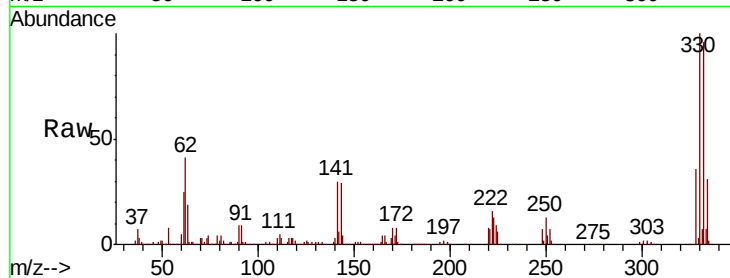
Instrument :

BNA\_F

ClientSampled :  
2019

Tot Ion:330 Resp: 1289937

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 330 | 100   |       |       |
| 332 | 95.4  | 77.3  | 115.9 |
| 141 | 31.2  | 26.2  | 39.4  |

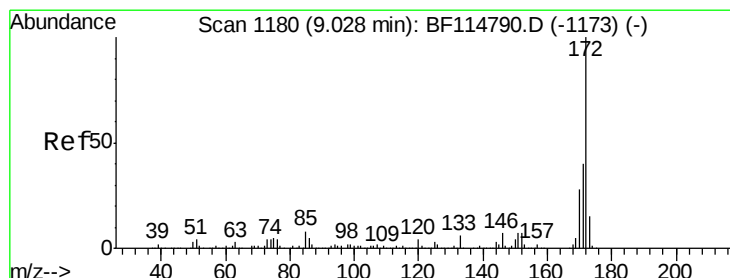
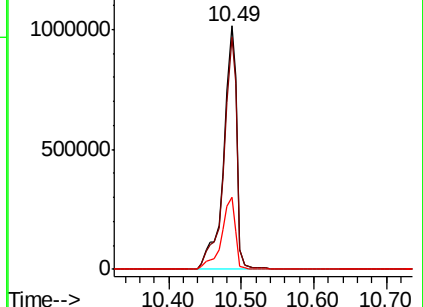
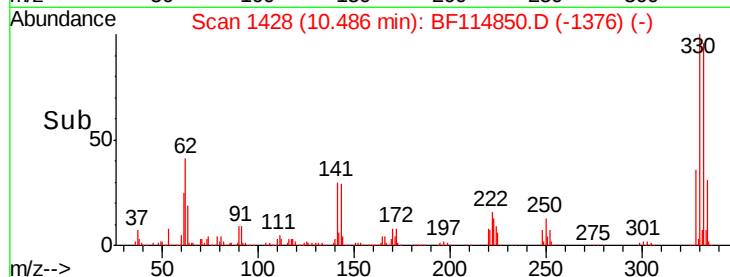


Abundance

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: 87.946 ng

RT: 9.03 min Scan# 1180

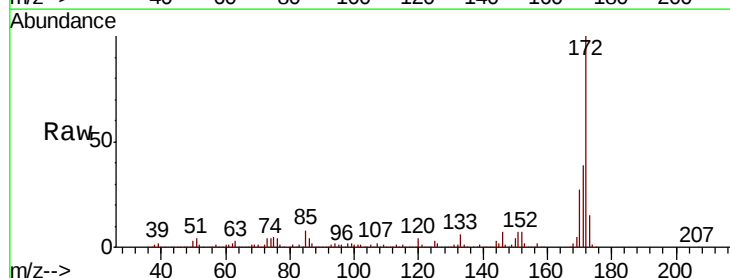
Delta R.T. -0.00 min

Lab File: BF114850.D

Acq: 6 Jun 2019 9:31

Tgt Ion:172 Resp: 4646894

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 172 | 100   |       |       |
| 171 | 39.2  | 32.3  | 48.5  |
| 170 | 27.0  | 22.4  | 33.6  |

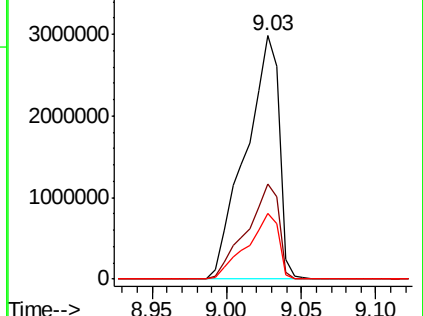
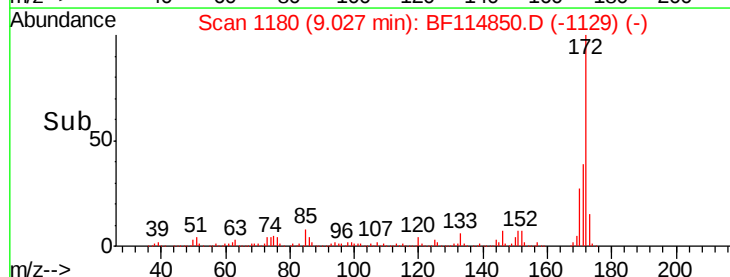


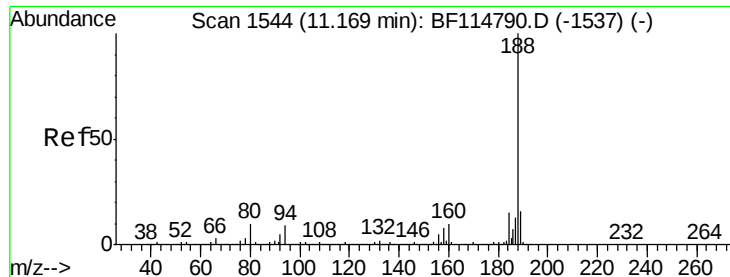
Abundance

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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.17 min Scan# 1545

Delta R.T. 0.01 min

Lab File: BF114850.D

Acq: 6 Jun 2019 9:31

Instrument :

BNA\_F

ClientSampled :  
2019

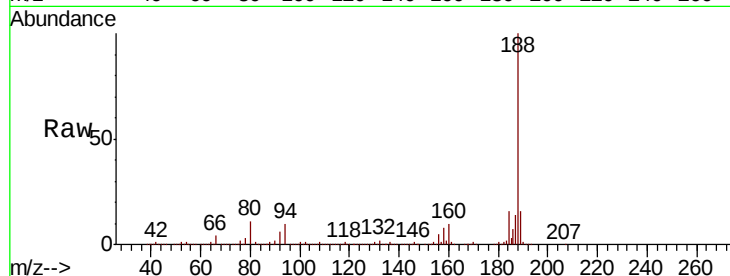
Tot Ion:188 Resp: 1942712

Ion Ratio Lower Upper

188 100

94 10.3 7.6 11.4

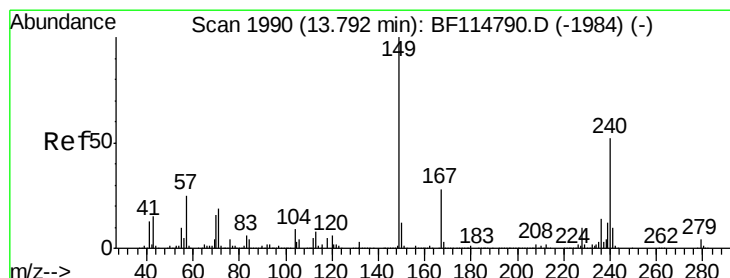
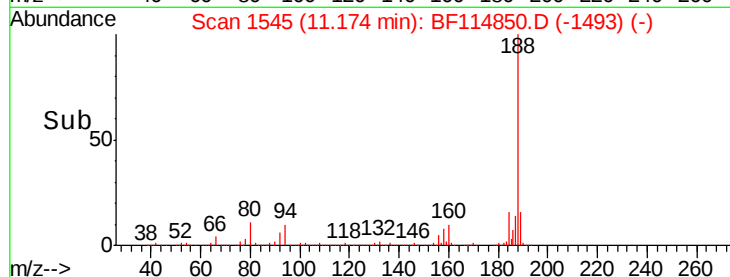
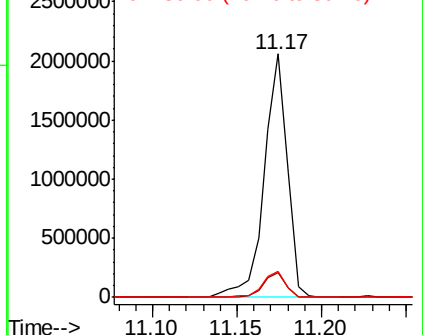
80 10.8 8.3 12.5



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: 13.80 min Scan# 1991

Delta R.T. 0.01 min

Lab File: BF114850.D

Acq: 6 Jun 2019 9:31

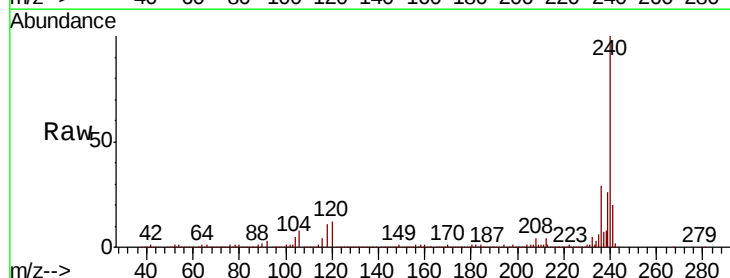
Tgt Ion:240 Resp: 1436864

Ion Ratio Lower Upper

240 100

120 12.0 9.0 13.4

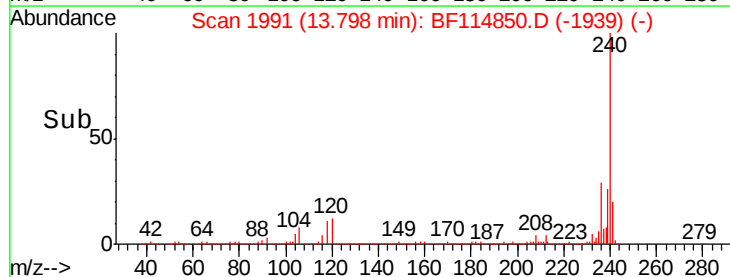
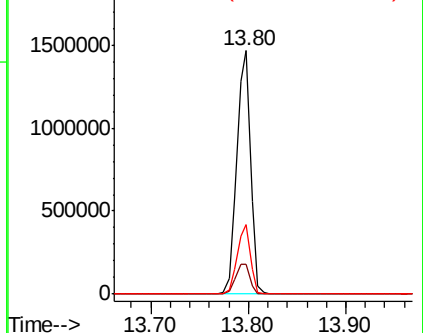
236 28.5 21.4 32.0

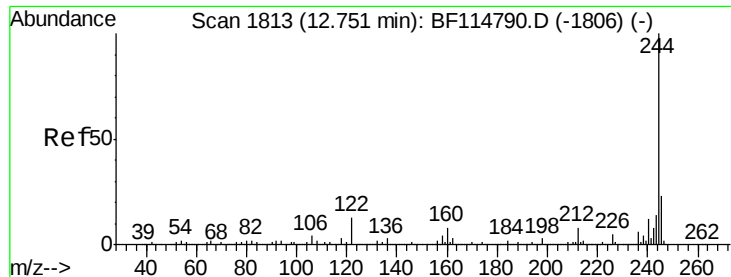


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 63.799 ng

RT: 12.76 min Scan# 1815

Delta R.T. 0.01 min

Lab File: BF114850.D

Acq: 6 Jun 2019 9:31

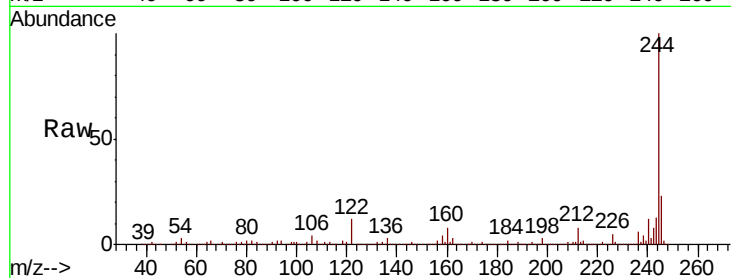
Instrument :

BNA\_F

ClientSampleId :  
2019

Tot Ion:244 Resp: 4713756

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 8.2   | 6.5   | 9.7   |
| 122 | 12.3  | 10.5  | 15.7  |

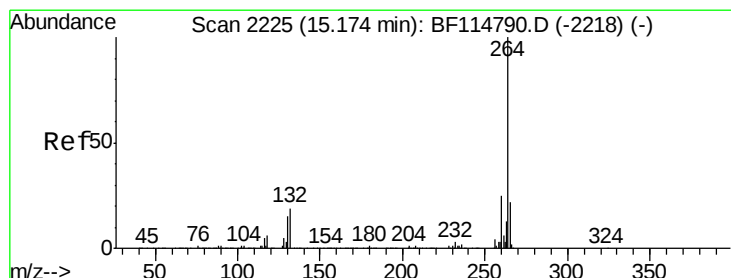
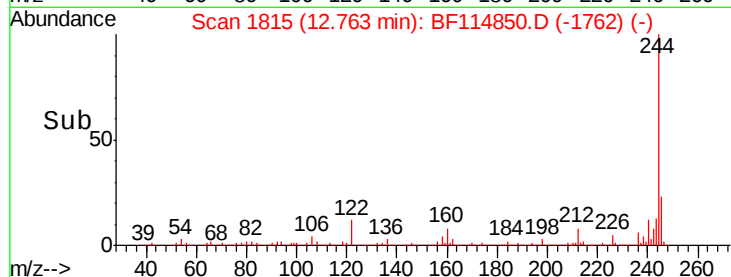
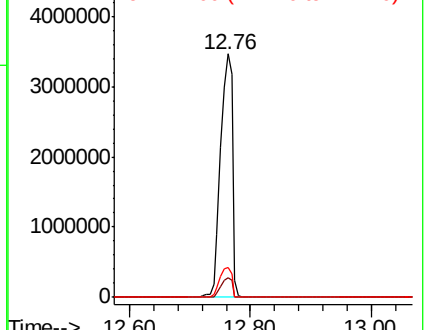


Abundance

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: 15.19 min Scan# 2228

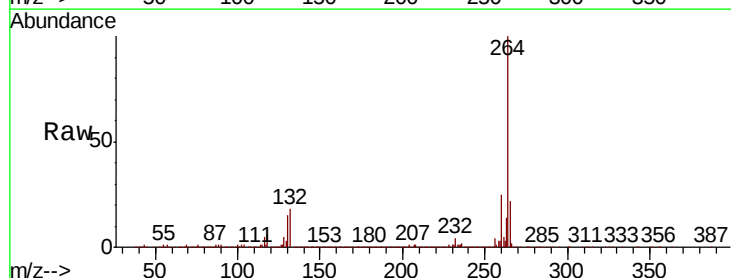
Delta R.T. 0.02 min

Lab File: BF114850.D

Acq: 6 Jun 2019 9:31

Tgt Ion:264 Resp: 1377162

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 25.4  | 20.1  | 30.1  |
| 265 | 22.5  | 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

