

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081519\  
 Data File : BF116290.D  
 Acq On : 15 Aug 2019 20:43  
 Operator : HP/JU  
 Sample : K4356-03  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-2

Quant Time: Aug 16 04:40:35 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Aug 07 11:13:18 2019  
 Response via : Initial Calibration

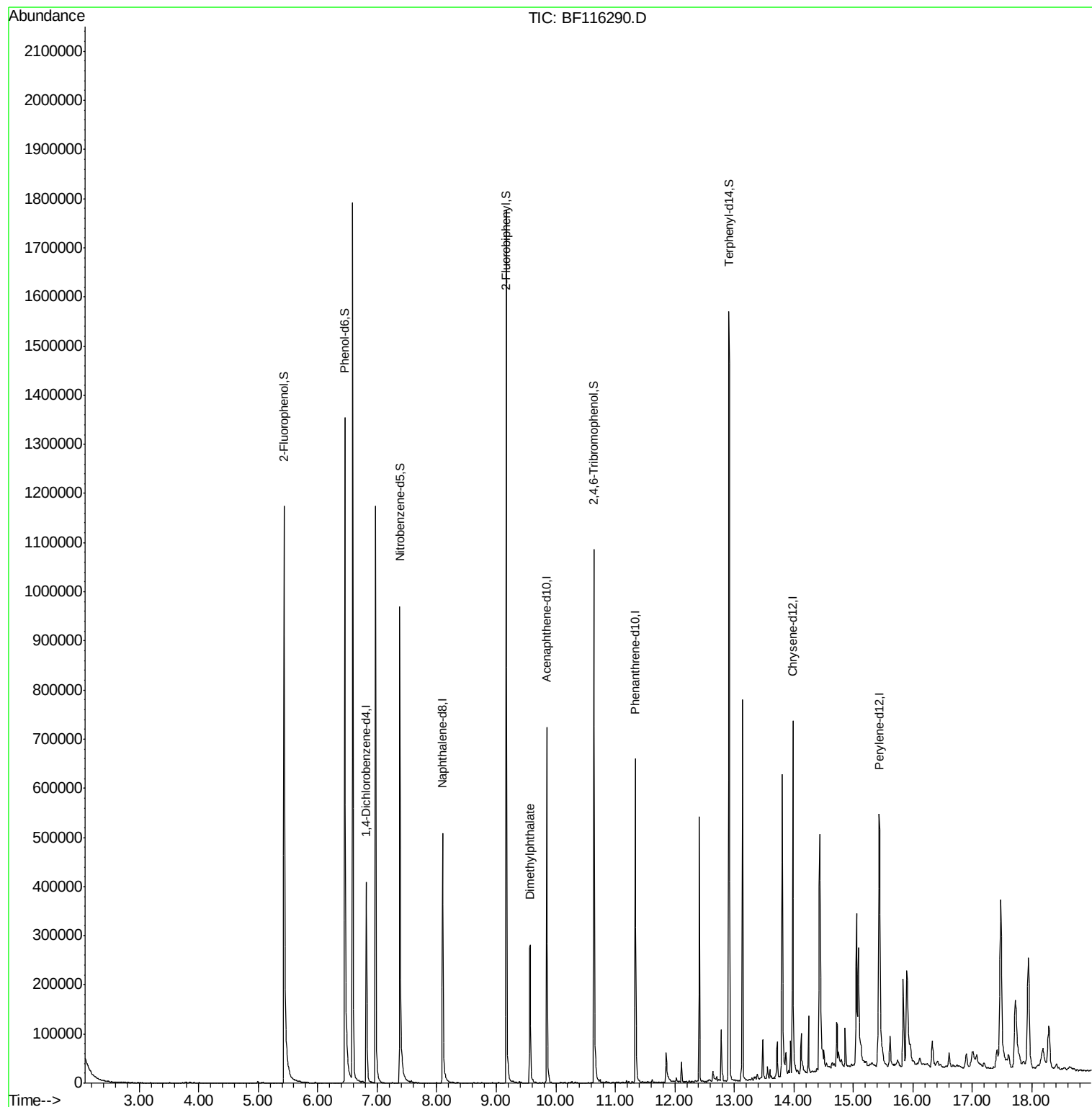
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.82  | 152  | 72679    | 20.00  | ng    | -0.03    |
| 21) Naphthalene-d8          | 8.10  | 136  | 282633   | 20.00  | ng    | -0.03    |
| 39) Acenaphthene-d10        | 9.85  | 164  | 151376   | 20.00  | ng    | -0.04    |
| 64) Phenanthrene-d10        | 11.34 | 188  | 286048   | 20.00  | ng    | -0.03    |
| 76) Chrysene-d12            | 13.98 | 240  | 269604   | 20.00  | ng    | -0.03    |
| 87) Perylene-d12            | 15.43 | 264  | 281571   | 20.00  | ng    | -0.04    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.43  | 112  | 464382   | 106.96 | ng    | -0.04    |
| 7) Phenol-d6                | 6.46  | 99   | 633410   | 115.64 | ng    | -0.03    |
| 23) Nitrobenzene-d5         | 7.38  | 82   | 383344   | 78.29  | ng    | -0.04    |
| 42) 2,4,6-Tribromophenol    | 10.64 | 330  | 147371   | 100.41 | ng    | -0.04    |
| 45) 2-Fluorobiphenyl        | 9.17  | 172  | 535811   | 66.30  | ng    | -0.04    |
| 79) Terphenyl-d14           | 12.91 | 244  | 558249   | 43.63  | ng    | -0.04    |
| Target Compounds            |       |      |          |        |       | Qvalue   |
| 50) Dimethylphthalate       | 9.57  | 163  | 140850   | 13.665 | ng    | 98       |

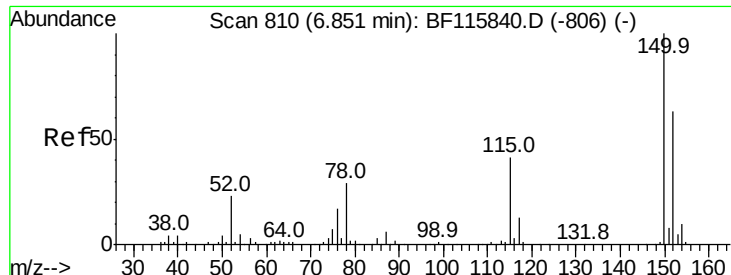
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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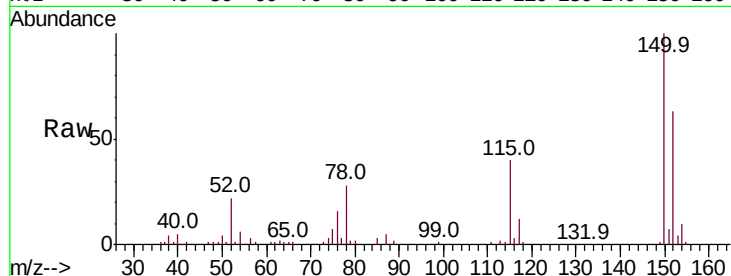


#1

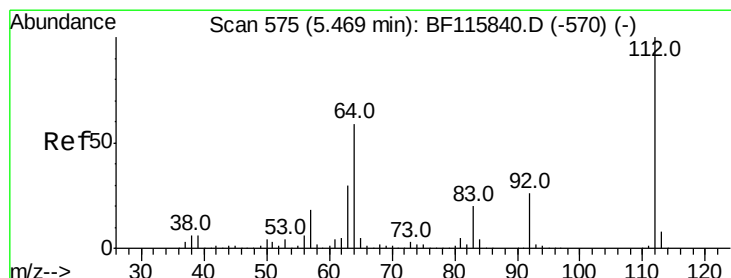
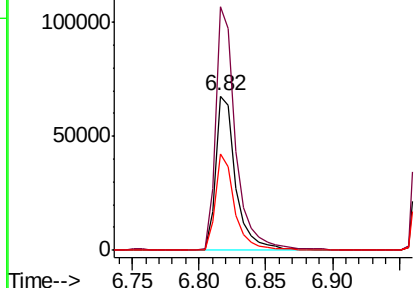
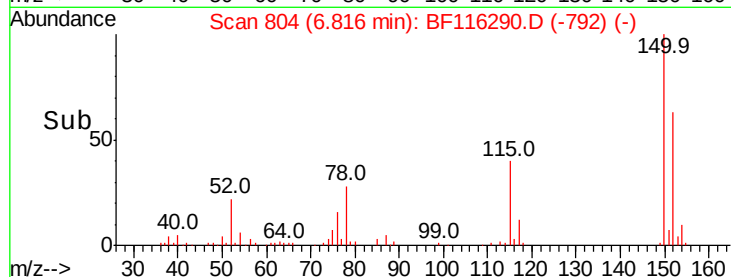
1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.82 min Scan# 804  
 Delta R.T. -0.03 min  
 Lab File: BF116290.D  
 Acq: 15 Aug 2019 20:43

Instrument :  
 BNA\_F  
 ClientSampled :  
 TP-2

Tot Ion:152 Resp: 72679  
 Ion Ratio Lower Upper  
 152 100  
 150 157.8 126.2 189.2  
 115 62.8 49.9 74.9



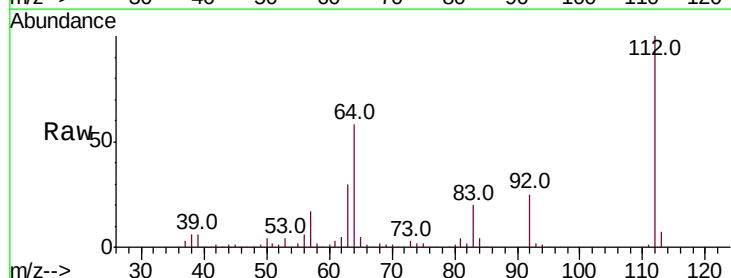
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



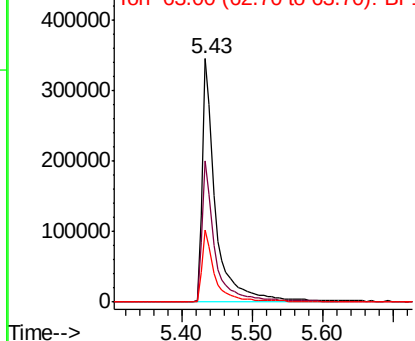
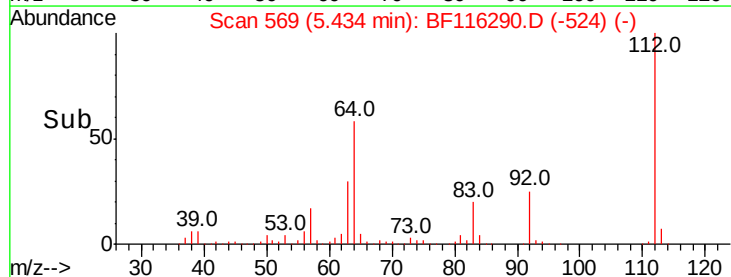
#5

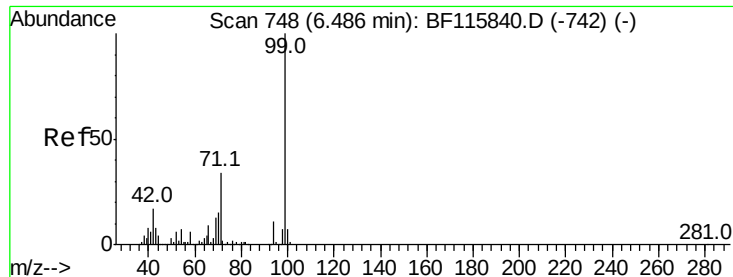
2-Fluorophenol  
 Concen: 106.964 ng  
 RT: 5.43 min Scan# 569  
 Delta R.T. -0.04 min  
 Lab File: BF116290.D  
 Acq: 15 Aug 2019 20:43

Tgt Ion:112 Resp: 464382  
 Ion Ratio Lower Upper  
 112 100  
 64 57.8 45.4 68.2  
 63 29.8 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: 115.638 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.03 min

Lab File: BF116290.D

Acq: 15 Aug 2019 20:43

Instrument :

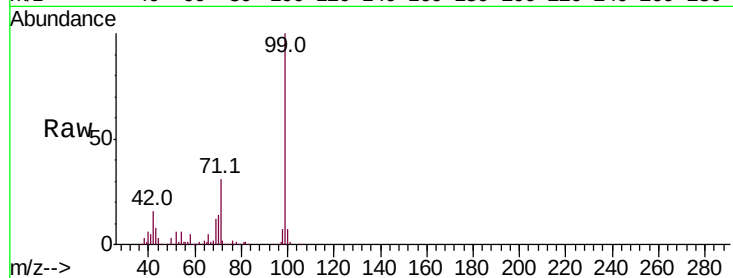
BNA\_F

ClientSampleId :

TP-2

Tot Ion: 99 Resp: 633410

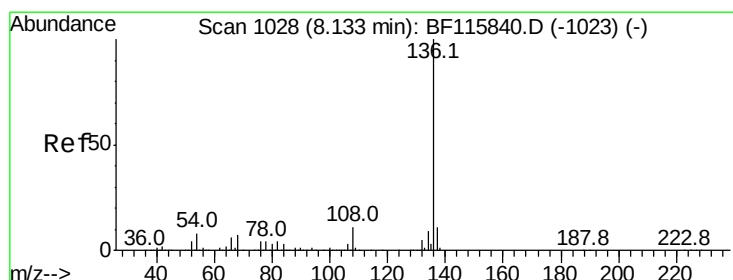
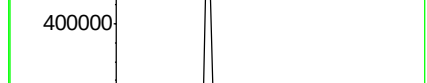
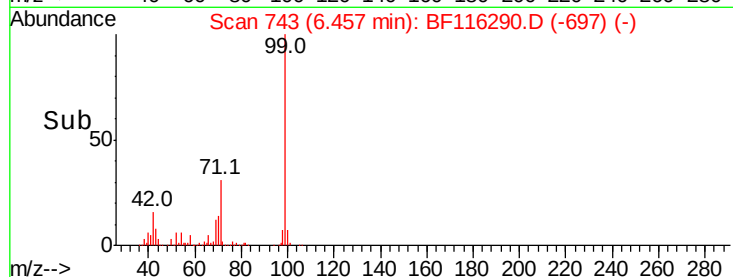
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 15.9  | 13.8  | 20.8  |
| 71  | 31.2  | 27.3  | 40.9  |



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: 8.10 min Scan# 1022

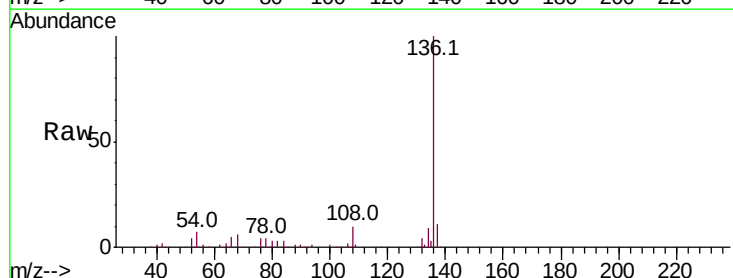
Delta R.T. -0.03 min

Lab File: BF116290.D

Acq: 15 Aug 2019 20:43

Tgt Ion: 136 Resp: 282633

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 10.7  | 9.0   | 13.4  |
| 54  | 7.1   | 5.8   | 8.6   |
| 68  | 6.1   | 5.2   | 7.8   |

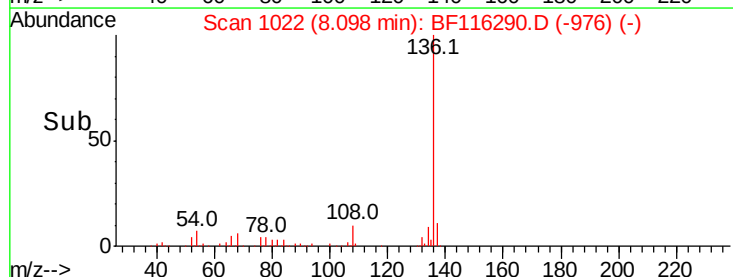


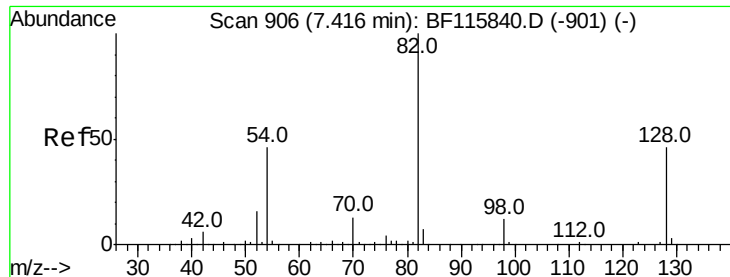
Abundance Ion 136.00 (135.70 to 136.70): E

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: 78.292 ng

RT: 7.38 min Scan# 900

Delta R.T. -0.04 min

Lab File: BF116290.D

Acq: 15 Aug 2019 20:43

Instrument :

BNA\_F

ClientSampled :

TP-2

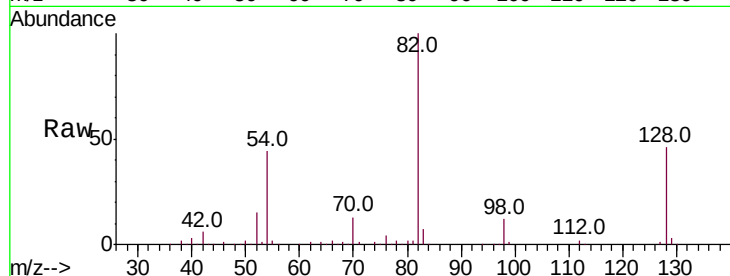
Tot Ion: 82 Resp: 383344

Ion Ratio Lower Upper

82 100

128 45.6 36.5 54.7

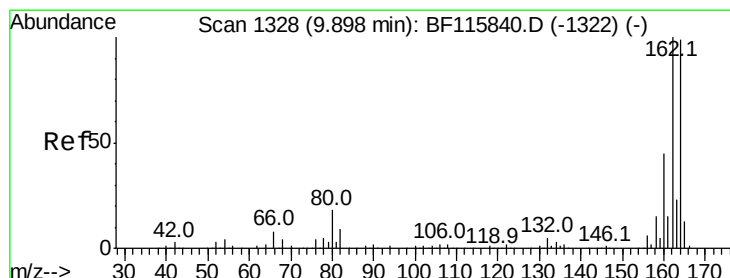
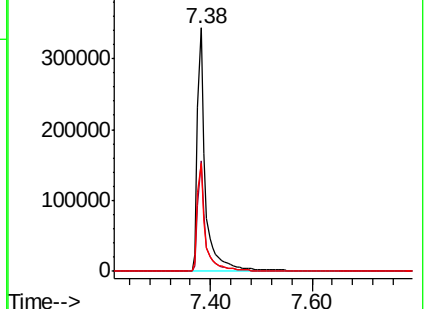
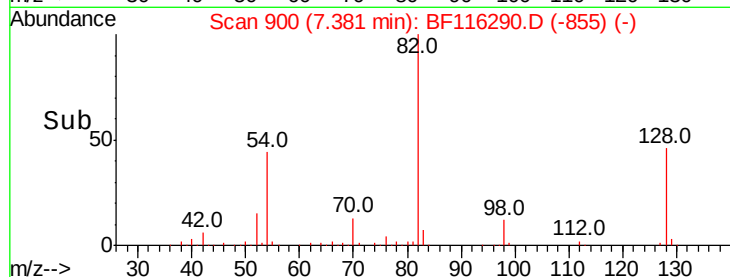
54 44.4 36.0 54.0



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: 9.85 min Scan# 1320

Delta R.T. -0.04 min

Lab File: BF116290.D

Acq: 15 Aug 2019 20:43

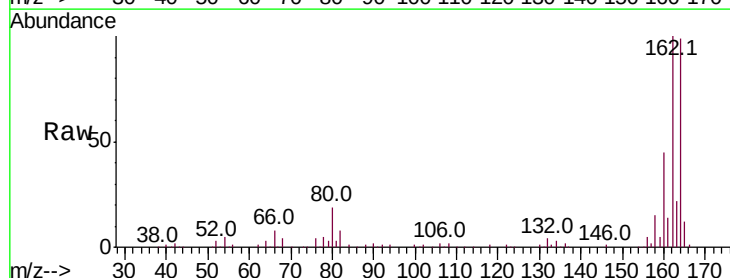
Tgt Ion: 164 Resp: 151376

Ion Ratio Lower Upper

164 100

162 101.3 82.6 124.0

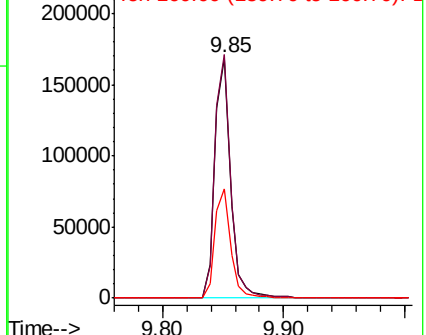
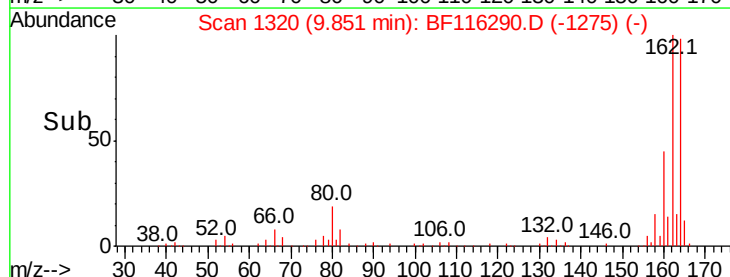
160 45.5 37.6 56.4

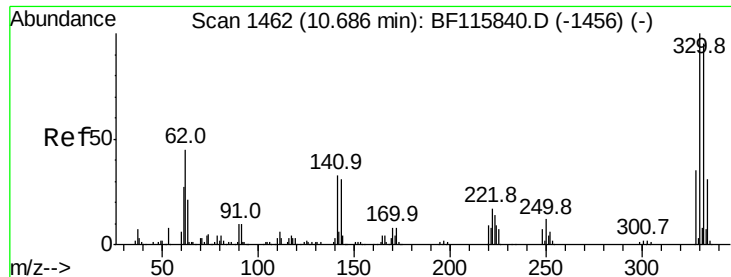


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

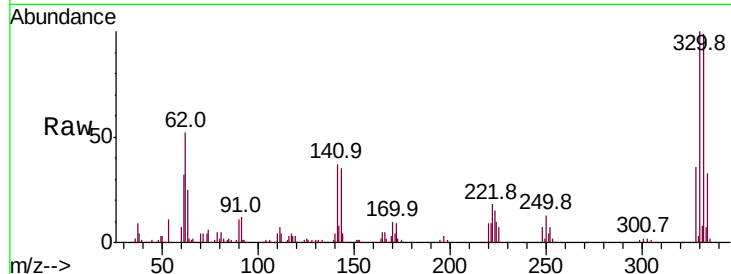




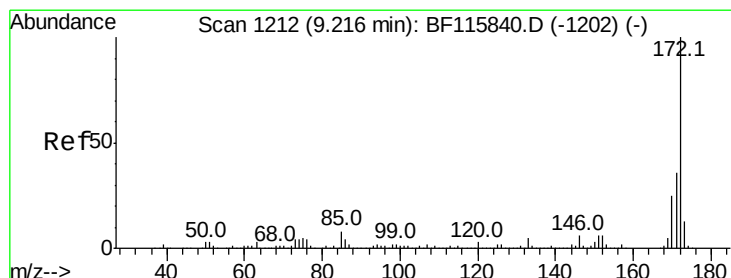
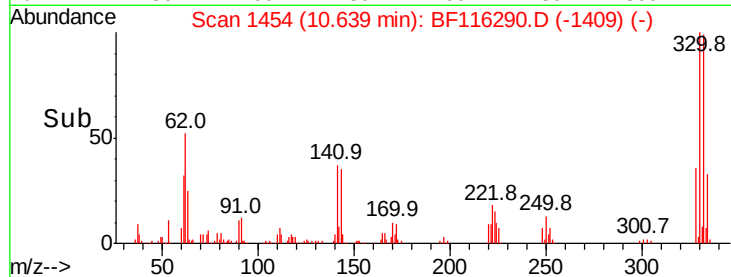
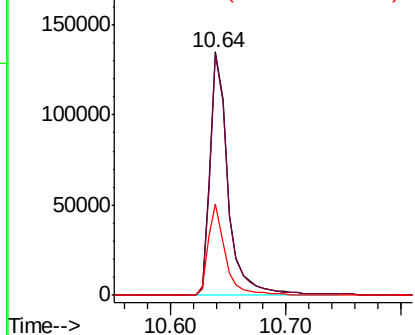
#42  
 2,4,6-Tribromophenol  
 Concen: 100.414 ng  
 RT: 10.64 min Scan# 1454  
 Delta R.T. -0.04 min  
 Lab File: BF116290.D  
 Acq: 15 Aug 2019 20:43

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-2

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 99.1  | 76.8  | 115.2 |
| 141     | 35.9  | 26.3  | 39.5  |

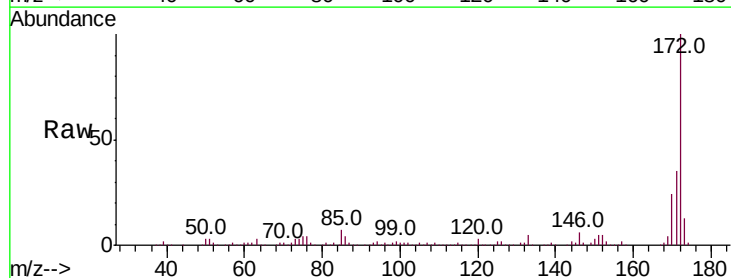


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

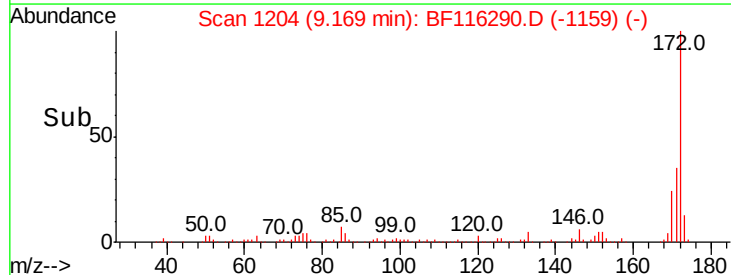
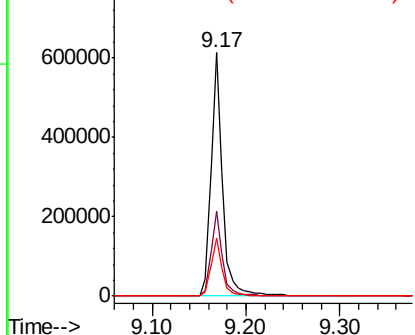


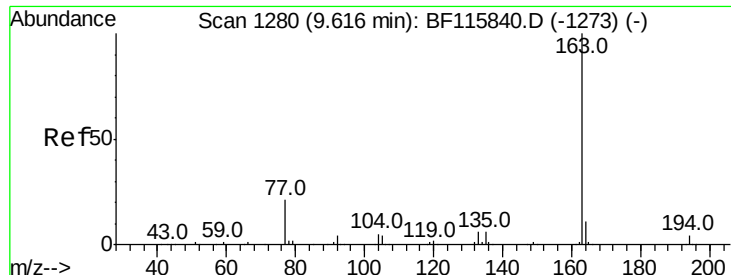
#45  
 2-Fluorobiphenyl  
 Concen: 66.299 ng  
 RT: 9.17 min Scan# 1204  
 Delta R.T. -0.04 min  
 Lab File: BF116290.D  
 Acq: 15 Aug 2019 20:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.0  | 29.6  | 44.4  |
| 170     | 23.6  | 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

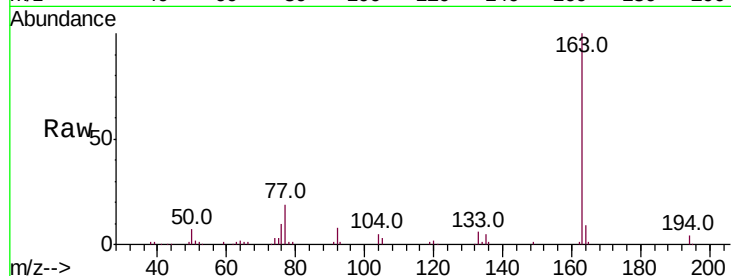




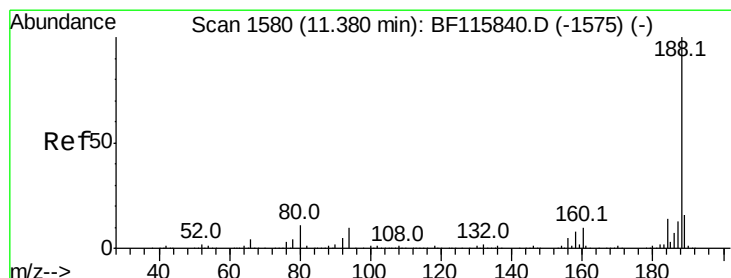
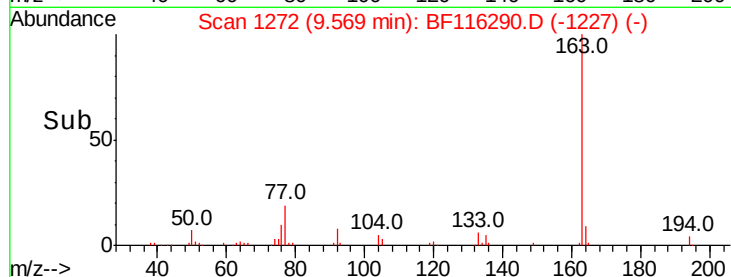
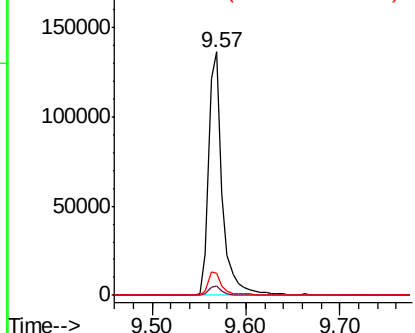
#50  
 Dimethylphthalate  
 Concen: 13.665 ng  
 RT: 9.57 min Scan# 1272  
 Delta R.T. -0.04 min  
 Lab File: BF116290.D  
 Acq: 15 Aug 2019 20:43

Instrument :  
 BNA\_F  
 ClientSampled :  
 TP-2

|         |       |       |        |
|---------|-------|-------|--------|
| Tot Ion | 163   | Resp: | 140850 |
| Ion     | Ratio | Lower | Upper  |
| 163     | 100   |       |        |
| 194     | 3.9   | 3.0   | 4.6    |
| 164     | 9.4   | 8.4   | 12.6   |

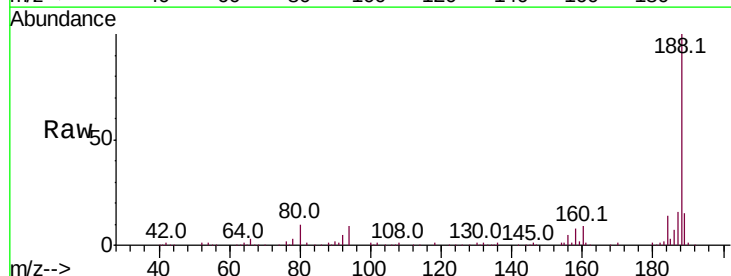


Abundance Ion 163.00 (162.70 to 163.70): E  
 Ion 194.00 (193.70 to 194.70): E  
 Ion 164.00 (163.70 to 164.70): E

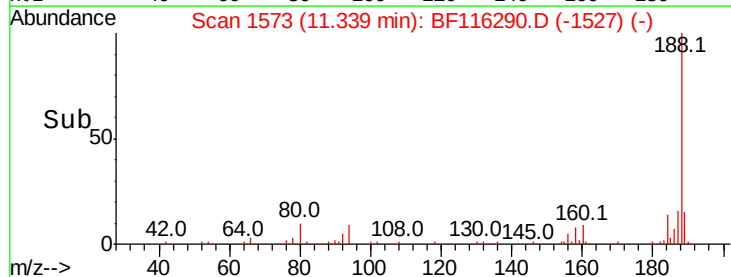
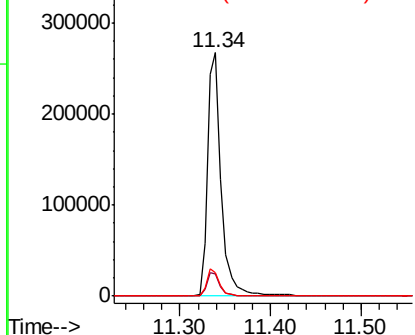


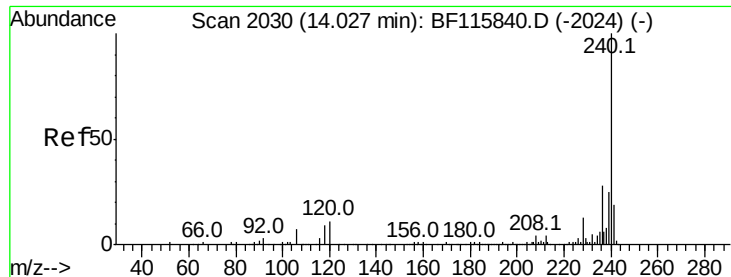
#64  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.34 min Scan# 1573  
 Delta R.T. -0.03 min  
 Lab File: BF116290.D  
 Acq: 15 Aug 2019 20:43

|         |       |             |              |
|---------|-------|-------------|--------------|
| Tgt Ion | 188   | Resp: Lower | 286048 Upper |
|         | Ratio |             |              |
| 188     | 100   |             |              |
| 94      | 9.0   | 8.1         | 12.1         |
| 80      | 9.9   | 8.7         | 13.1         |



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: 13.98 min Scan# 2022

Delta R.T. -0.03 min

Lab File: BF116290.D

Acq: 15 Aug 2019 20:43

Instrument :

BNA\_F

ClientSampleId :

TP-2

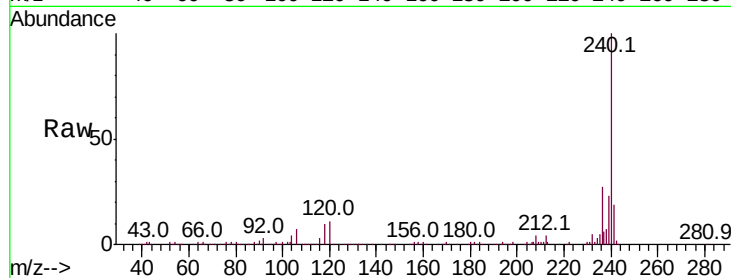
Tot Ion:240 Resp: 269604

Ion Ratio Lower Upper

240 100

120 10.8 10.7 16.1

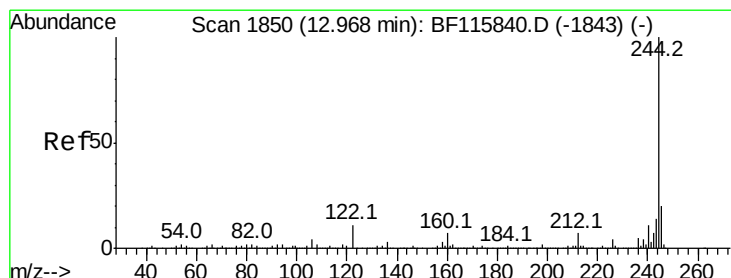
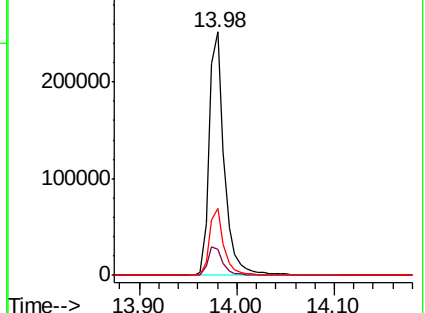
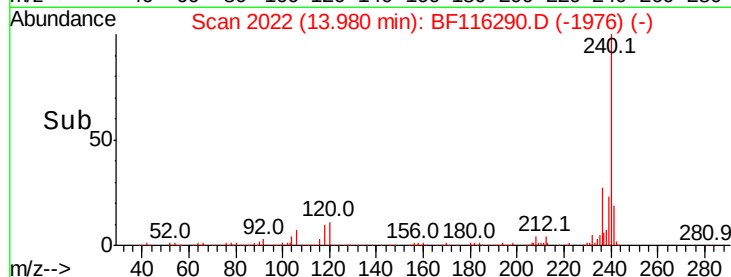
236 27.4 22.2 33.2



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: 43.632 ng

RT: 12.91 min Scan# 1840

Delta R.T. -0.04 min

Lab File: BF116290.D

Acq: 15 Aug 2019 20:43

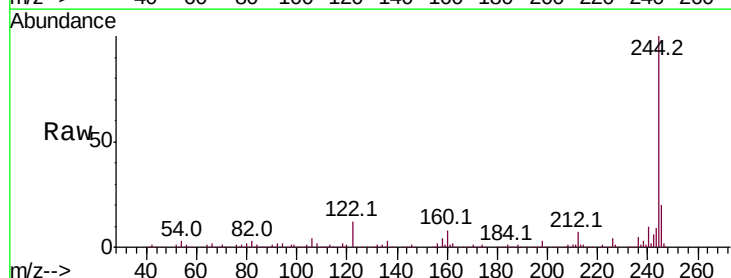
Tgt Ion:244 Resp: 558249

Ion Ratio Lower Upper

244 100

212 6.8 5.8 8.8

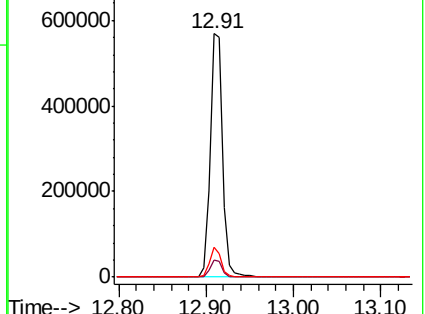
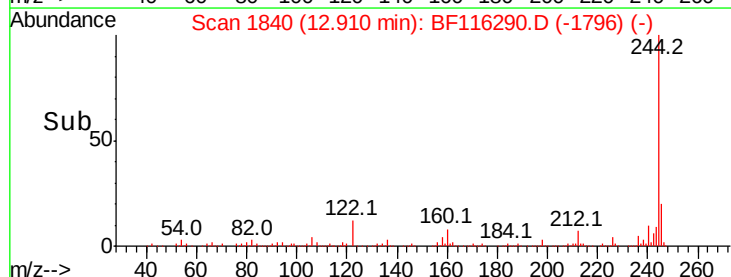
122 12.4 9.0 13.4



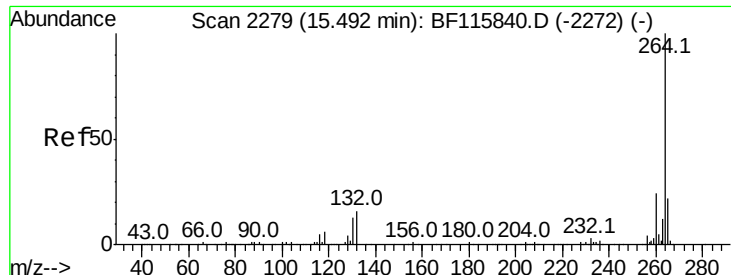
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E







#87  
Pervlone-d12  
Concen: 20.000 ng  
RT: 15.43 min Scan# 2269  
Delta R.T. -0.04 min  
Lab File: BF116290.D  
Acq: 15 Aug 2019 20:43

Instrument :  
BNA\_F  
ClientSampleId :  
TP-2

Tot Ion:264 Resp: 281571  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 23.8  | 19.7  | 29.5  |
| 265 | 21.7  | 17.4  | 26.0  |

