

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121518\  
 Data File : BF111491.D  
 Acq On : 16 Dec 2018 3:09  
 Operator : JU/SJ  
 Sample : J6376-03  
 Misc :  
 ALS Vial : 33 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TEST-PIT-1

Quant Time: Dec 17 01:06:58 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121418.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Dec 14 13:26:17 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.79  | 152  | 139354   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.07  | 136  | 503002   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 9.83  | 164  | 192435   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 11.31 | 188  | 313649   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12            | 13.95 | 240  | 296905   | 20.00  | ng    | 0.00     |
| 87) Perylene-d12            | 15.39 | 264  | 207384   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.43  | 112  | 954297   | 113.95 | ng    | 0.01     |
| 7) Phenol-d6                | 6.43  | 99   | 1032346  | 92.68  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.35  | 82   | 771466   | 91.33  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.62 | 330  | 212492   | 123.27 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.15  | 172  | 1273384  | 102.21 | ng    | 0.00     |
| 79) Terphenyl-d14           | 12.90 | 244  | 1234008  | 97.60  | ng    | 0.00     |

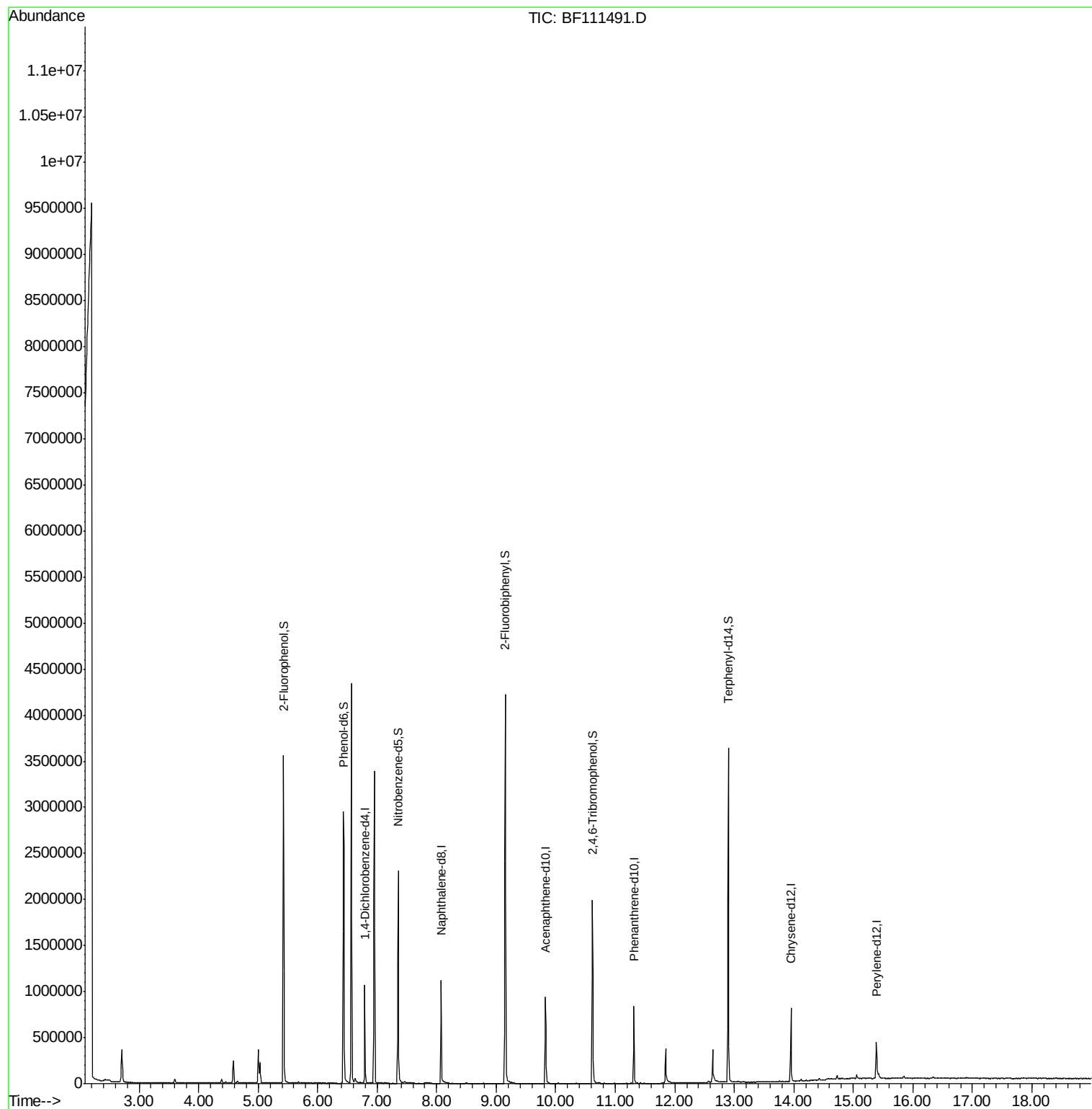
Target Compounds Qvalue

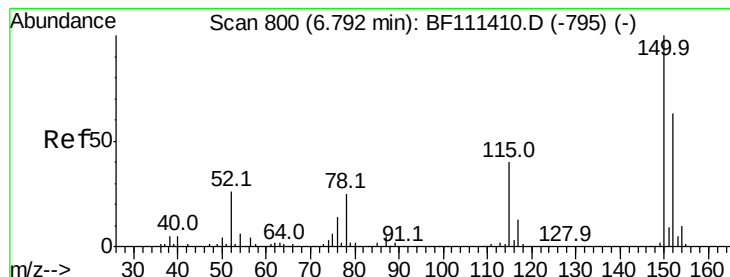
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BNA\_F  
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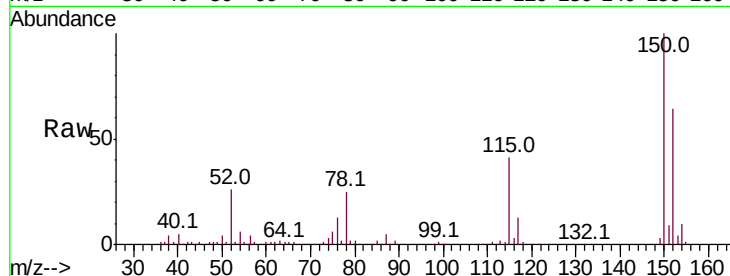


#1

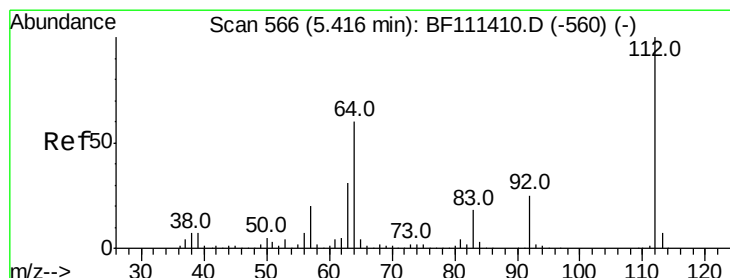
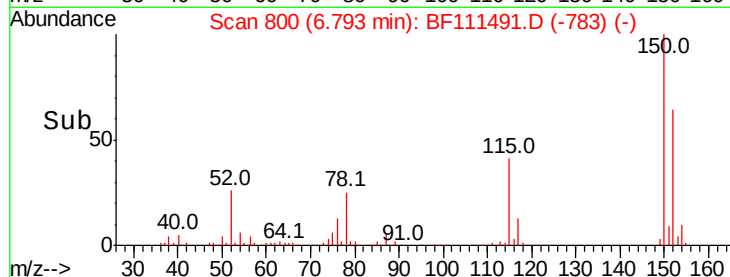
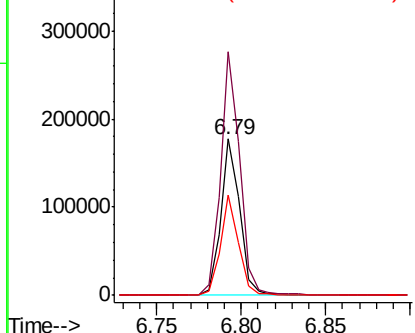
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.79 min Scan# 800  
Delta R.T. 0.00 min  
Lab File: BF111491.D  
Acq: 16 Dec 2018 3:09

Instrument :  
BNA\_F  
ClientSampleId :  
TEST-PIT-1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 155.7 | 126.6 | 189.8 |
| 115     | 64.2  | 50.7  | 76.1  |



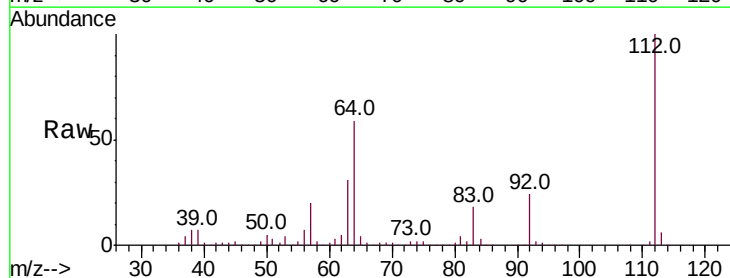
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



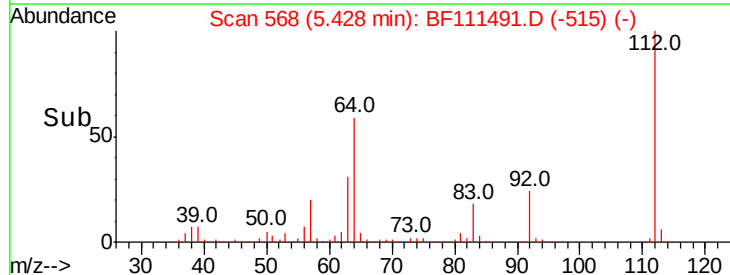
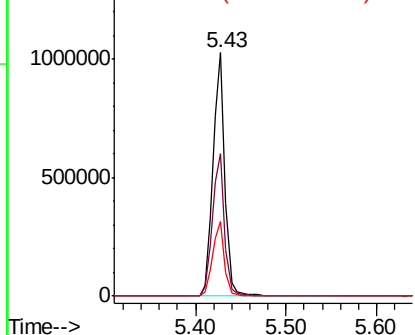
#5

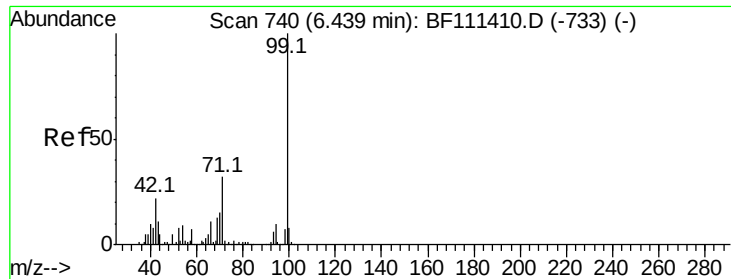
2-Fluorophenol  
Concen: 113.955 ng  
RT: 5.43 min Scan# 568  
Delta R.T. 0.01 min  
Lab File: BF111491.D  
Acq: 16 Dec 2018 3:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 58.7  | 51.8  | 77.6  |
| 63      | 30.6  | 26.8  | 40.2  |



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: 92.676 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF111491.D

Acq: 16 Dec 2018 3:09

Instrument :

BNA\_F

ClientSampleId :

TEST-PIT-1

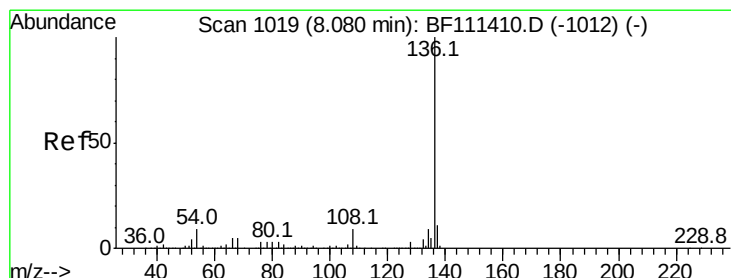
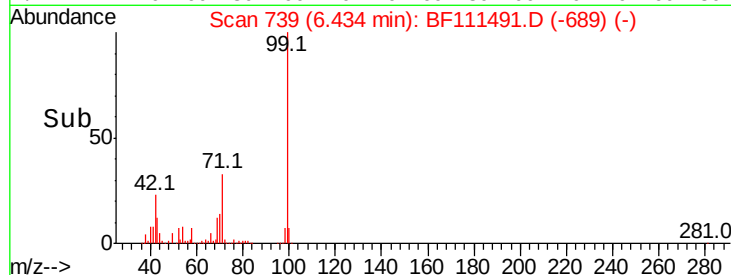
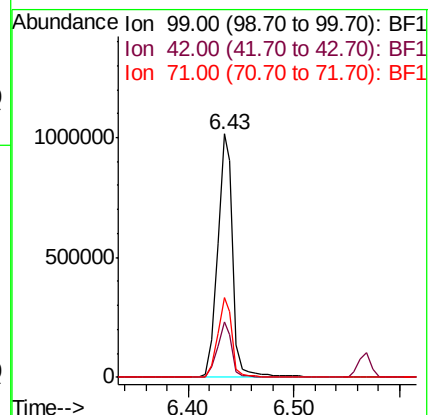
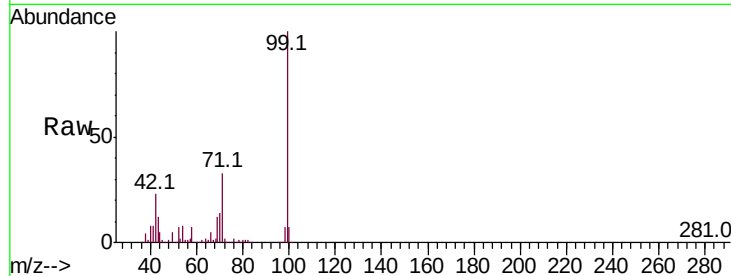
Tot Ion: 99 Resp: 1032346

Ion Ratio Lower Upper

99 100

42 22.9 17.4 26.0

71 32.7 26.1 39.1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.07 min Scan# 1018

Delta R.T. -0.01 min

Lab File: BF111491.D

Acq: 16 Dec 2018 3:09

Tgt Ion: 136 Resp: 503002

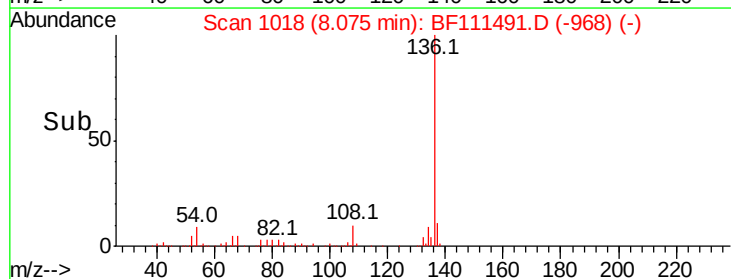
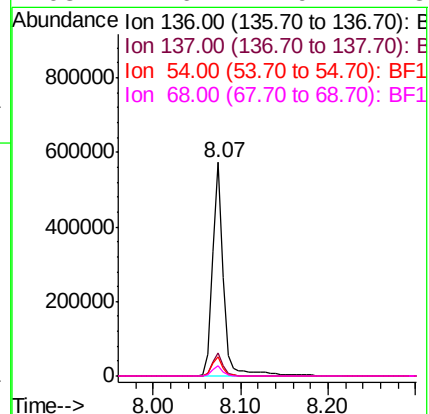
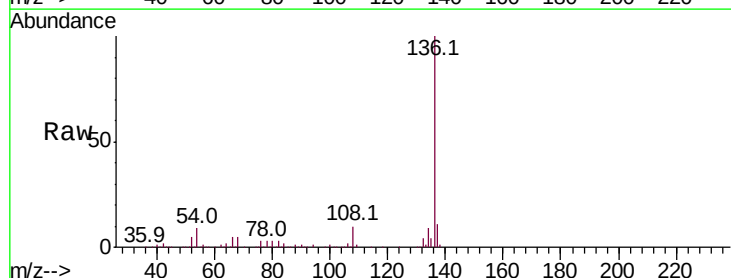
Ion Ratio Lower Upper

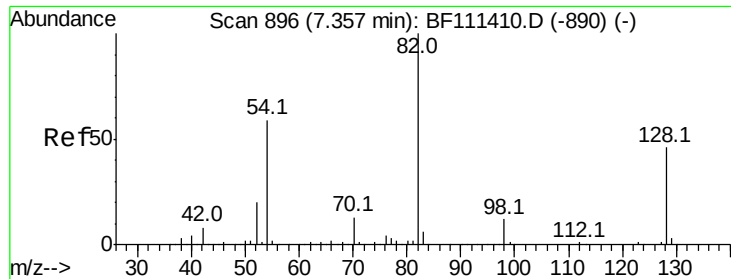
136 100

137 10.9 9.1 13.7

54 8.9 7.7 11.5

68 4.6 4.9 7.3#

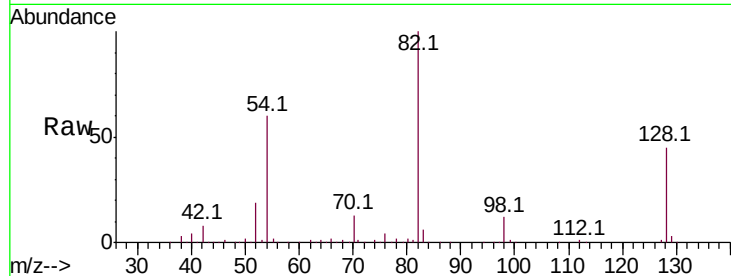




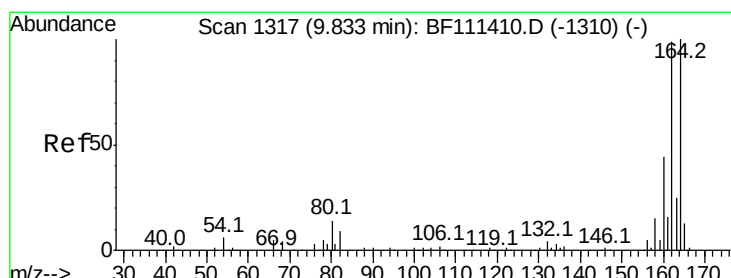
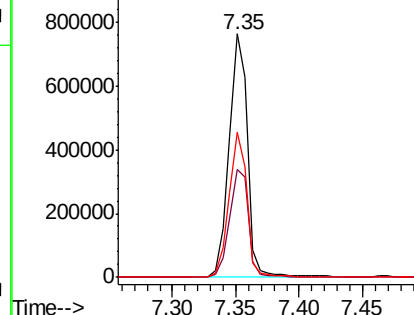
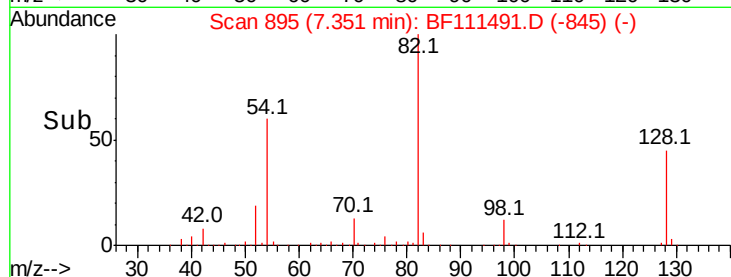
#23  
Nitrobenzene-d5  
Concen: 91.331 ng  
RT: 7.35 min Scan# 895  
Delta R.T. -0.01 min  
Lab File: BF111491.D  
Acq: 16 Dec 2018 3:09

Instrument :  
BNA\_F  
ClientSampleId :  
TEST-PIT-1

Tot Ion: 82 Resp: 771466  
Ion Ratio Lower Upper  
82 100  
128 44.5 37.4 56.2  
54 59.6 47.6 71.4

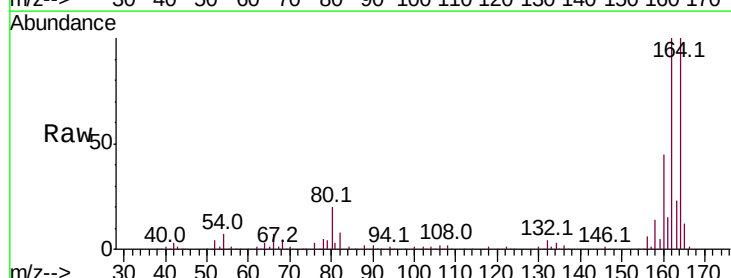


Abundance Ion 82.00 (81.70 to 82.70): BF1  
Ion 128.00 (127.70 to 128.70): BF1  
Ion 54.00 (53.70 to 54.70): BF1

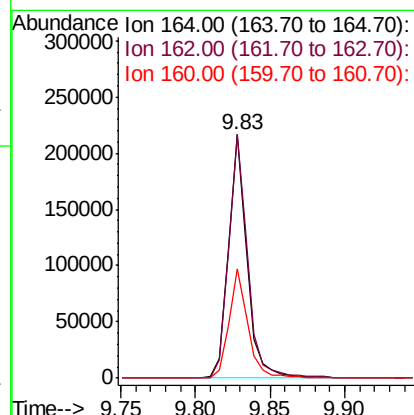
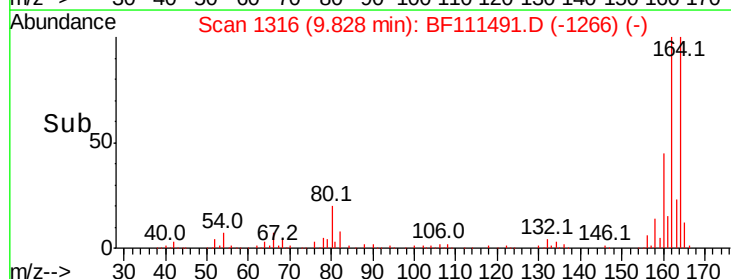


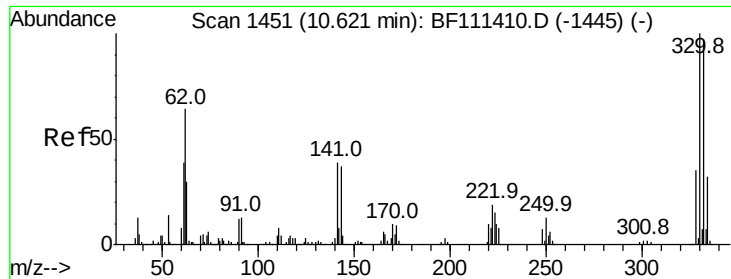
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.83 min Scan# 1316  
Delta R.T. -0.01 min  
Lab File: BF111491.D  
Acq: 16 Dec 2018 3:09

Tgt Ion:164 Resp: 192435  
Ion Ratio Lower Upper  
164 100  
162 100.1 81.4 122.0  
160 44.8 35.7 53.5



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

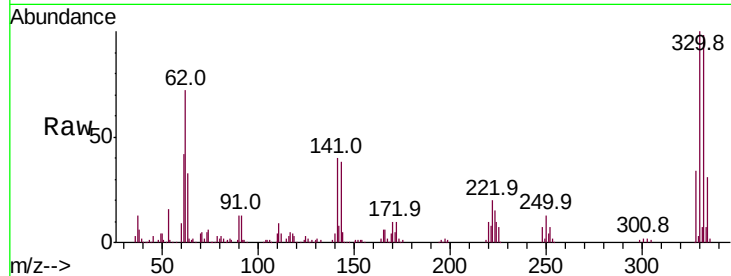




#42  
 2,4,6-Tribromophenol  
 Concen: 123.269 ng  
 RT: 10.62 min Scan# 1450  
 Delta R.T. -0.01 min  
 Lab File: BF111491.D  
 Acq: 16 Dec 2018 3:09

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TEST-PIT-1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.9  | 76.0  | 114.0 |
| 141     | 38.6  | 31.0  | 46.6  |

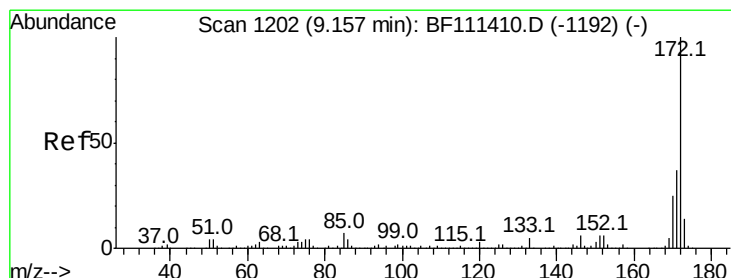
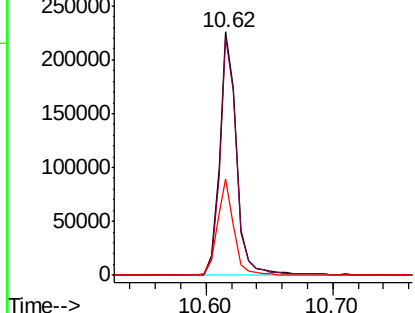
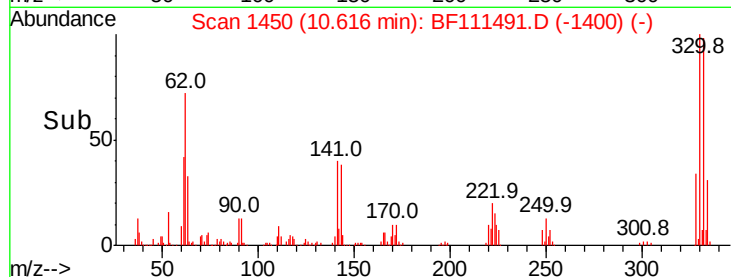


Abundance

Ion 329.80 (329.50 to 330.50): E

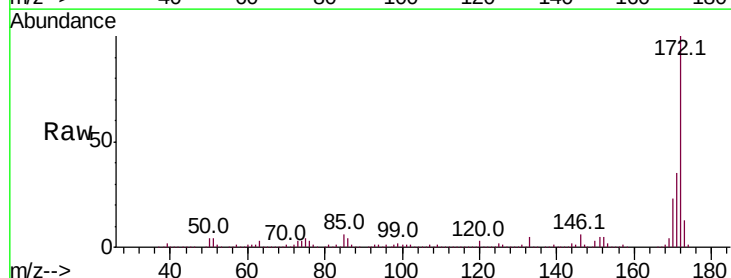
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45  
 2-Fluorobiphenyl  
 Concen: 102.212 ng  
 RT: 9.15 min Scan# 1201  
 Delta R.T. -0.01 min  
 Lab File: BF111491.D  
 Acq: 16 Dec 2018 3:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.2  | 33.0  | 49.4  |
| 170     | 23.4  | 22.3  | 33.5  |

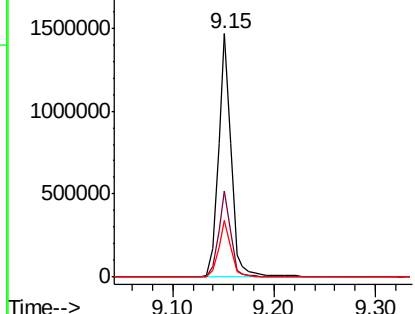
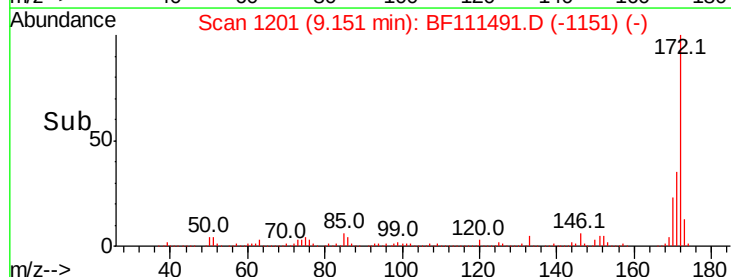


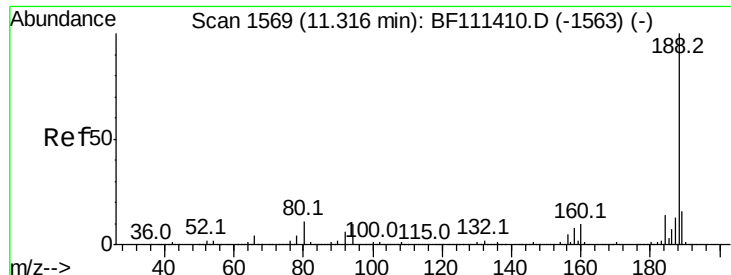
Abundance

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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.31 min Scan# 1568

Delta R.T. -0.01 min

Lab File: BF111491.D

Acq: 16 Dec 2018 3:09

Instrument :

BNA\_F

ClientSampleId :

TEST-PIT-1

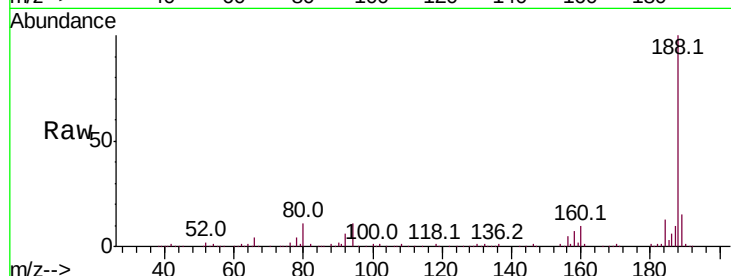
Tot Ion:188 Resp: 313649

Ion Ratio Lower Upper

188 100

94 10.9 9.6 14.4

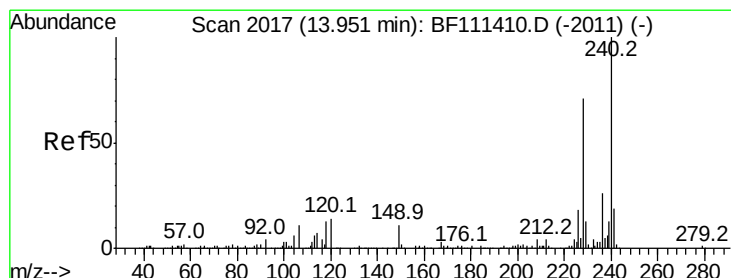
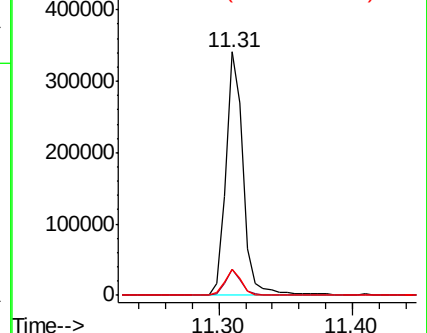
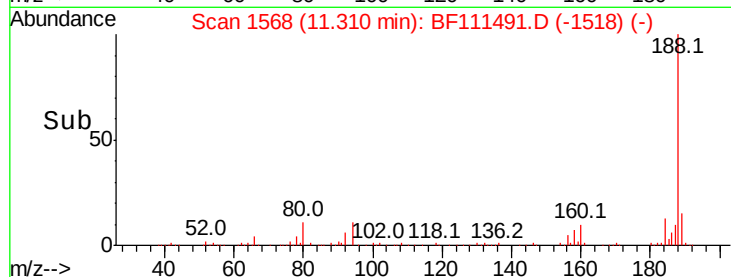
80 10.6 9.8 14.6



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: 13.95 min Scan# 2017

Delta R.T. 0.00 min

Lab File: BF111491.D

Acq: 16 Dec 2018 3:09

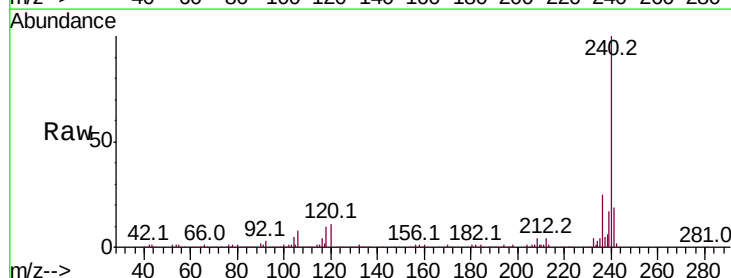
Tgt Ion:240 Resp: 296905

Ion Ratio Lower Upper

240 100

120 11.5 12.2 18.2#

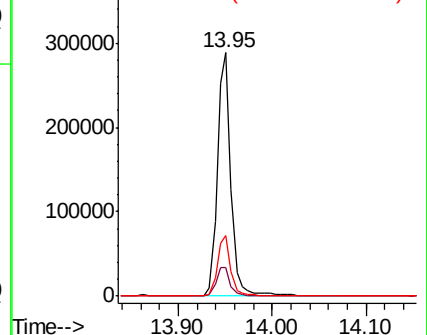
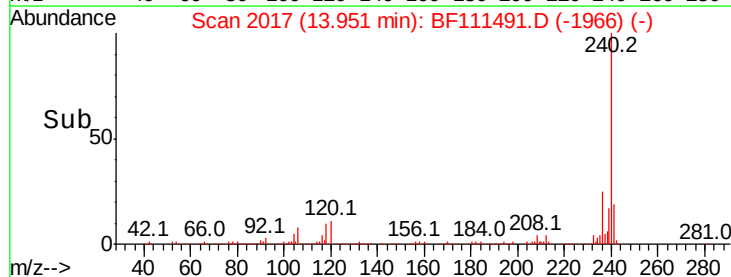
236 25.0 20.2 30.2

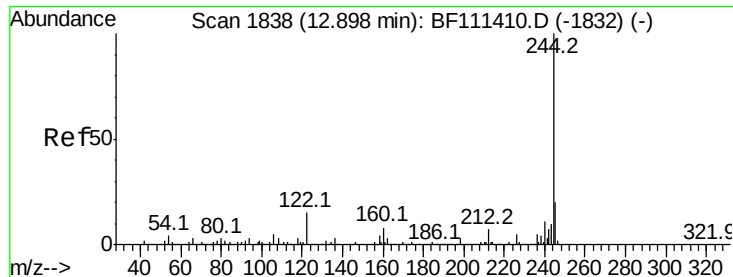


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 97.598 ng

RT: 12.90 min Scan# 1838

Delta R.T. 0.00 min

Lab File: BF111491.D

Acq: 16 Dec 2018 3:09

Instrument :

BNA\_F

ClientSampleId :

TEST-PIT-1

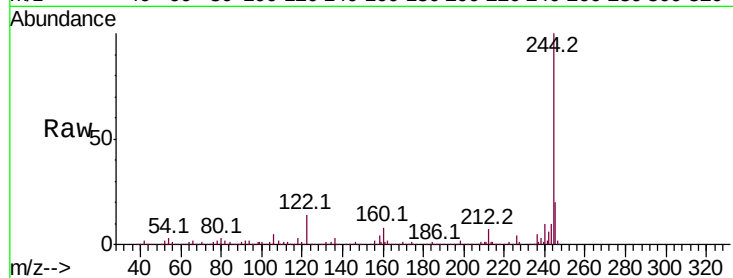
Tot Ion:244 Resp: 1234008

Ion Ratio Lower Upper

244 100

212 6.7 5.7 8.5

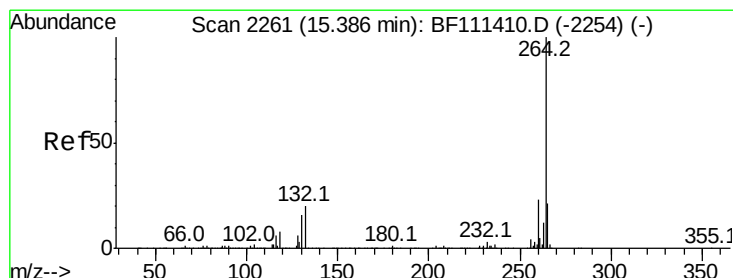
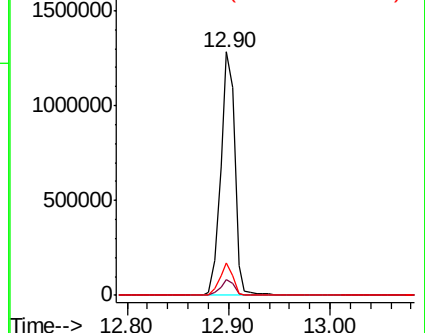
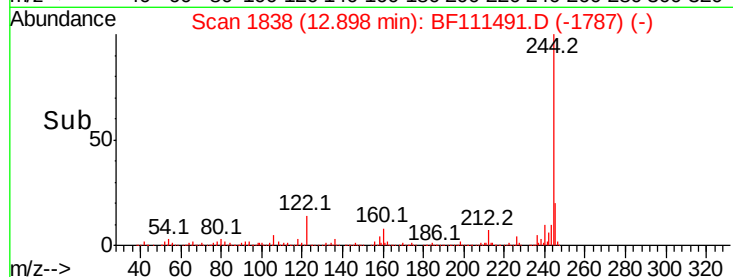
122 13.5 13.1 19.7



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: 15.39 min Scan# 2261

Delta R.T. 0.00 min

Lab File: BF111491.D

Acq: 16 Dec 2018 3:09

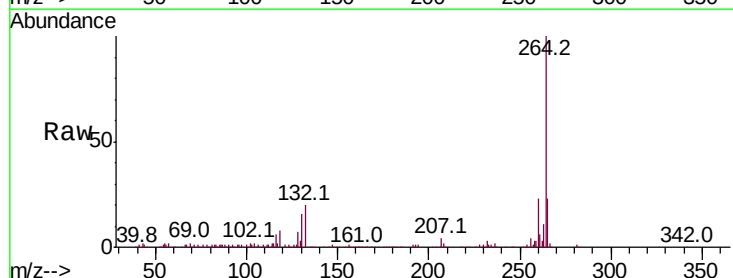
Tgt Ion:264 Resp: 207384

Ion Ratio Lower Upper

264 100

260 22.5 18.3 27.5

265 22.6 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

