

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110118\  
 Data File : BF110370.D  
 Acq On : 1 Nov 2018 15:55  
 Operator : JU/SJ  
 Sample : J5741-55  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-14

Quant Time: Nov 02 04:19:28 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Nov 01 16:06:12 2018  
 Response via : Initial Calibration

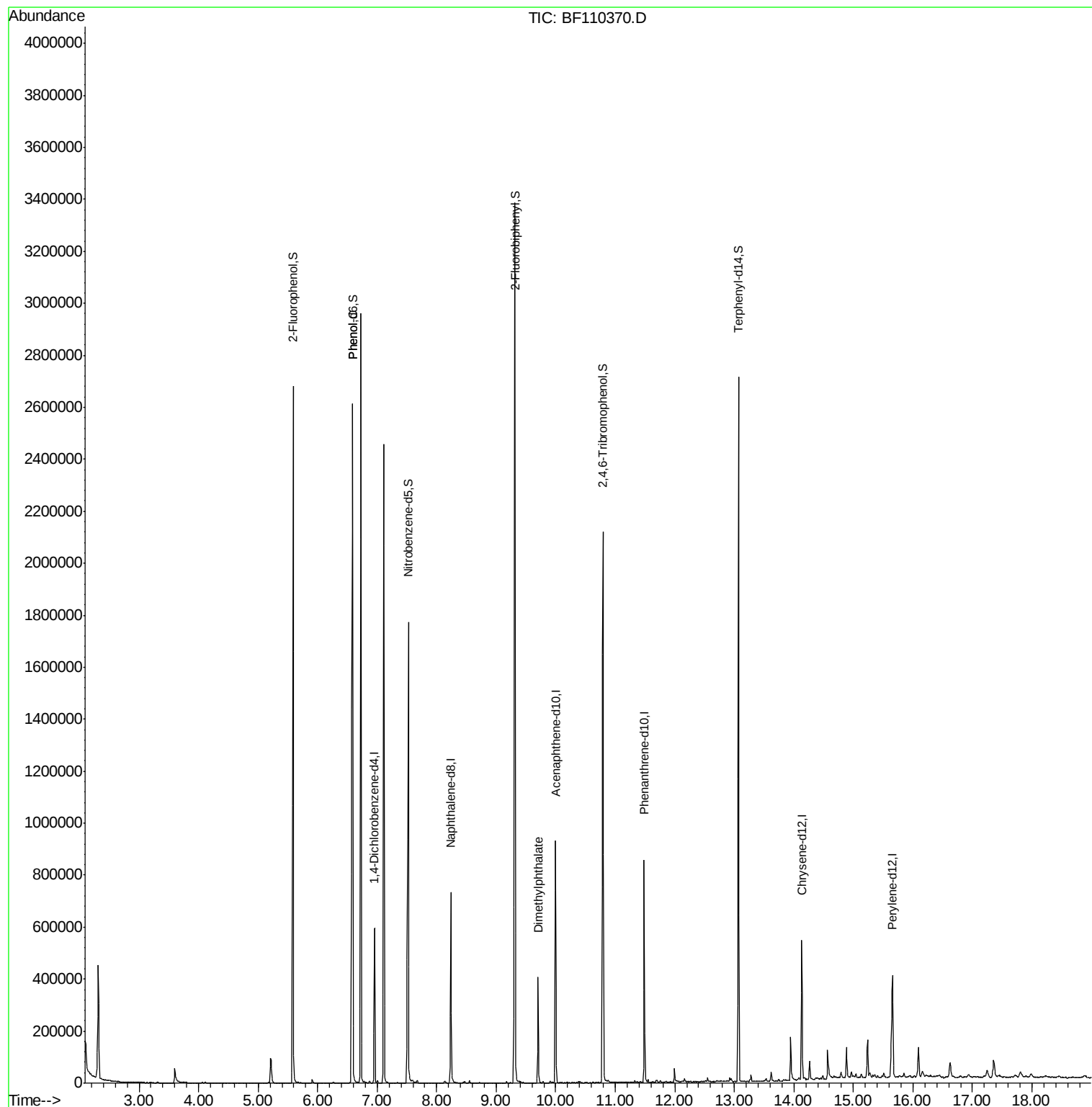
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.96  | 152  | 93834    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.24  | 136  | 381943   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 10.00 | 164  | 184217   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 11.49 | 188  | 323801   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12            | 14.13 | 240  | 175067   | 20.00  | ng    | 0.00     |
| 87) Perylene-d12            | 15.66 | 264  | 184383   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.59  | 112  | 807930   | 140.21 | ng    | 0.01     |
| 7) Phenol-d6                | 6.59  | 99   | 1014376  | 137.63 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.52  | 82   | 648339   | 100.68 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.79 | 330  | 253637   | 139.00 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.32  | 172  | 1209038  | 103.06 | ng    | 0.00     |
| 79) Terphenyl-d14           | 13.07 | 244  | 924099   | 109.78 | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       |          |
| 10) Phenol                  | 6.59  | 94   | 61570    | 7.815  | ng    | 82       |
| 50) Dimethylphthalate       | 9.70  | 163  | 182407   | 13.414 | ng    | 100      |

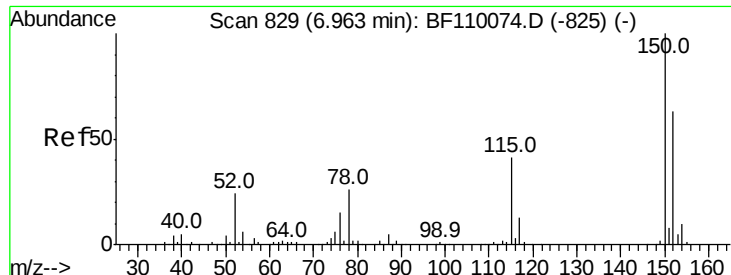
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110118\  
Data File : BF110370.D  
Acq On : 1 Nov 2018 15:55  
Operator : JU/SJ  
Sample : J5741-55  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TP-14

Quant Time: Nov 02 04:19:28 2018  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Nov 01 16:06:12 2018  
Response via : Initial Calibration



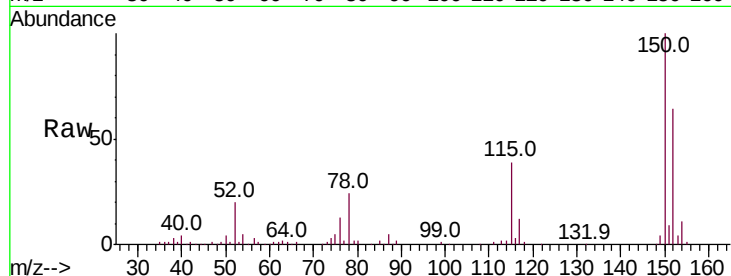


#1

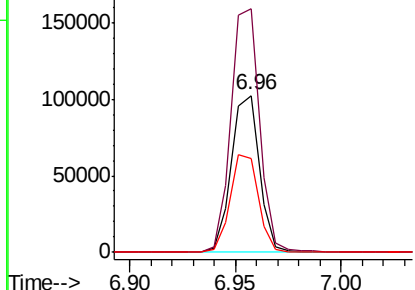
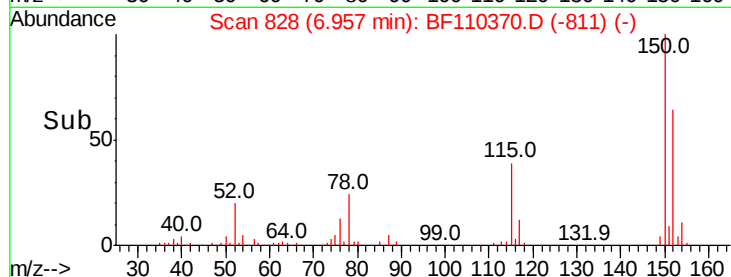
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.96 min Scan# 828  
Delta R.T. 0.00 min  
Lab File: BF110370.D  
Acq: 1 Nov 2018 15:55

Instrument :  
BNA\_F  
ClientSampleId :  
TP-14

Tot Ion:152 Resp: 93834  
Ion Ratio Lower Upper  
152 100  
150 155.4 122.7 184.1  
115 60.0 49.1 73.7



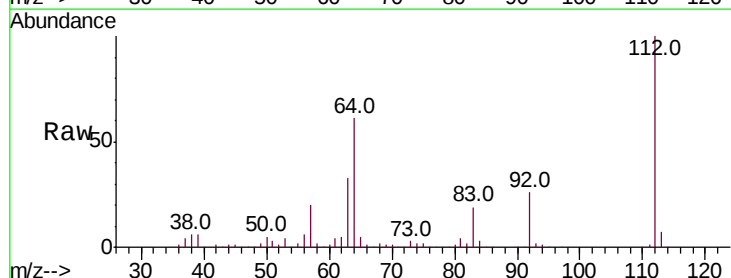
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



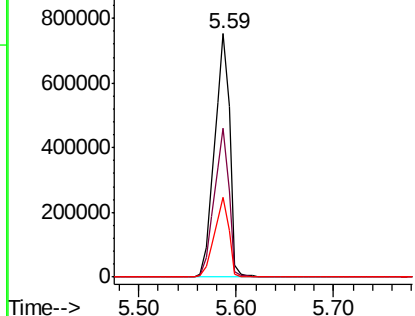
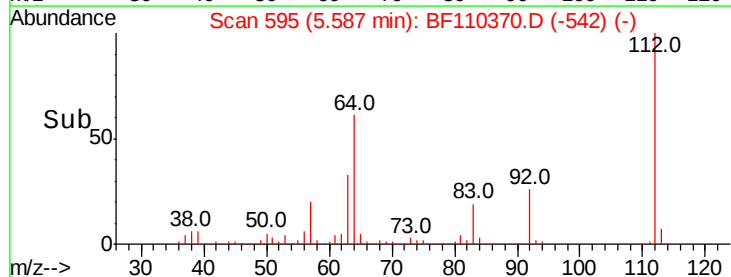
#5

2-Fluorophenol  
Concen: 140.213 ng  
RT: 5.59 min Scan# 595  
Delta R.T. 0.01 min  
Lab File: BF110370.D  
Acq: 1 Nov 2018 15:55

Tgt Ion:112 Resp: 807930  
Ion Ratio Lower Upper  
112 100  
64 60.9 44.1 66.1  
63 32.7 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: 137.631 ng

RT: 6.59 min Scan# 765

Delta R.T. 0.01 min

Lab File: BF110370.D

Acq: 1 Nov 2018 15:55

Instrument :

BNA\_F

ClientSampled :

TP-14

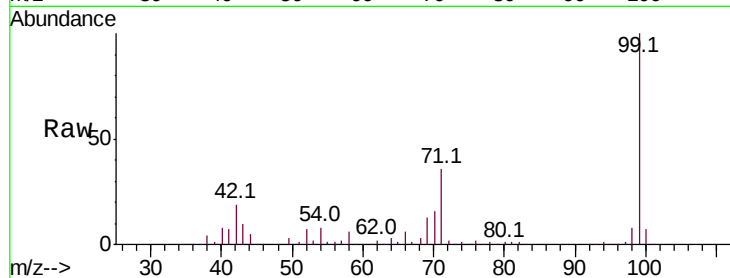
Tot Ion: 99 Resp: 1014376

Ion Ratio Lower Upper

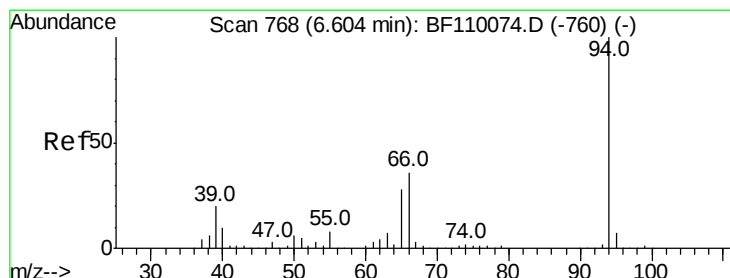
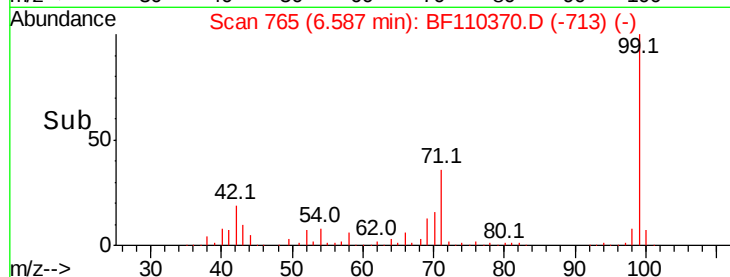
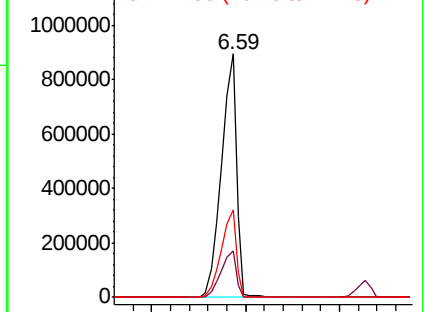
99 100

42 19.4 15.8 23.6

71 35.9 28.0 42.0



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



#10

Phenol

Concen: 7.815 ng

RT: 6.59 min Scan# 766

Delta R.T. -0.01 min

Lab File: BF110370.D

Acq: 1 Nov 2018 15:55

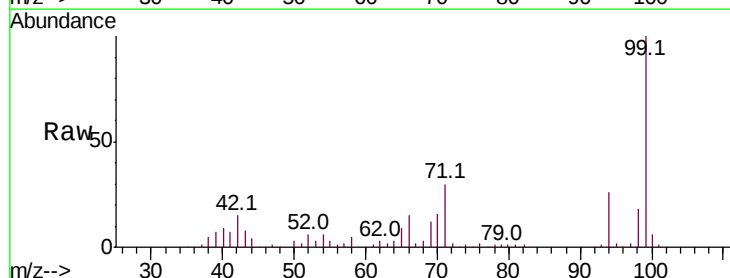
Tgt Ion: 94 Resp: 61570

Ion Ratio Lower Upper

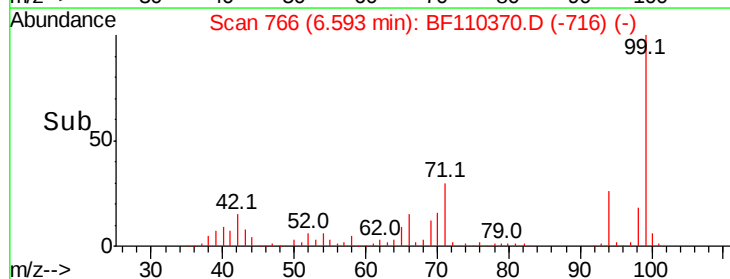
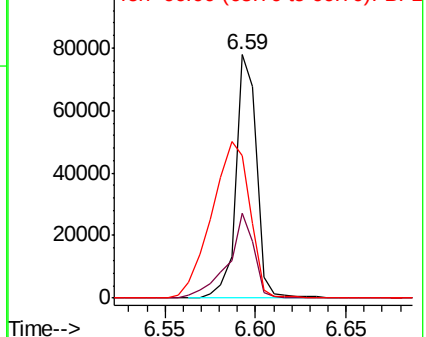
94 100

65 34.7 25.3 65.3

66 58.8 54.5 94.5



Abundance Ion 94.00 (93.70 to 94.70): BF1  
Ion 65.00 (64.70 to 65.70): BF1  
Ion 66.00 (65.70 to 66.70): BF1

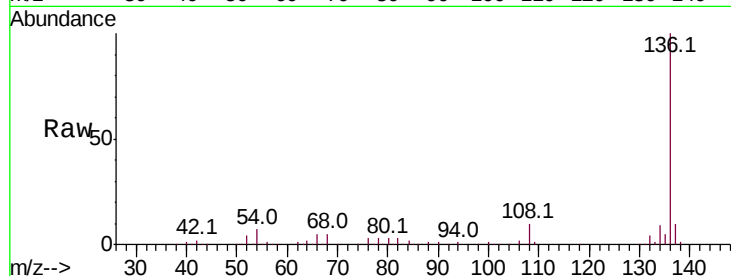




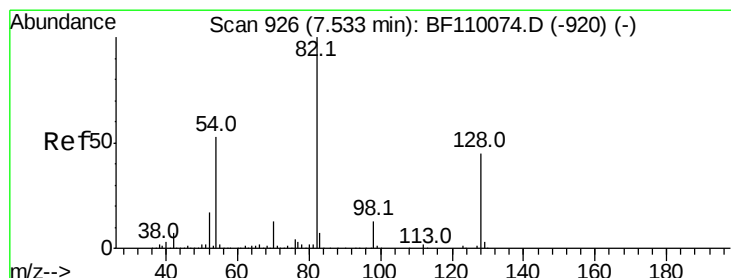
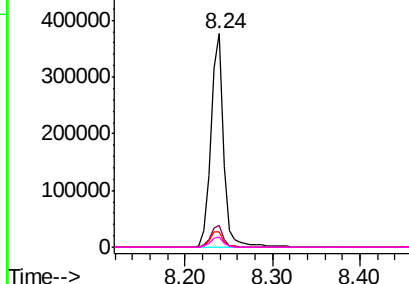
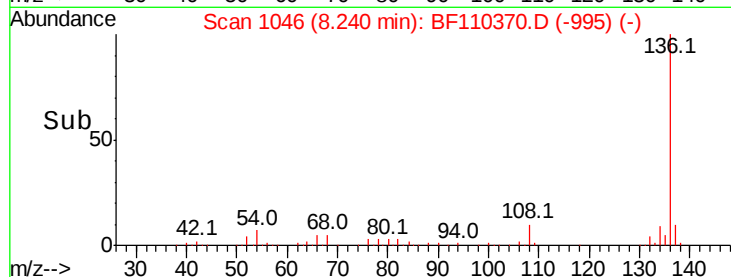
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.24 min Scan# 1046  
Delta R.T. 0.00 min  
Lab File: BF110370.D  
Acq: 1 Nov 2018 15:55

Instrument :  
BNA\_F  
ClientSampleId :  
TP-14

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 136   | Resp: | 381943 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.4  | 8.8   | 13.2   |
| 54       | 7.2   | 5.4   | 8.2    |
| 68       | 5.0   | 4.2   | 6.2    |

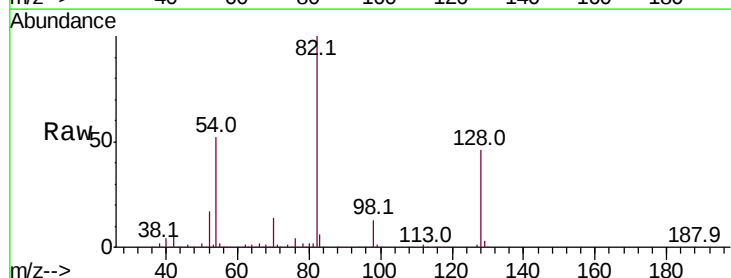


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF1  
Ion 68.00 (67.70 to 68.70): BF1

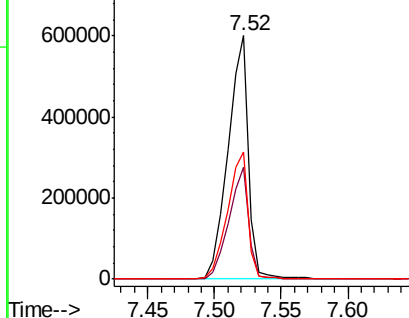
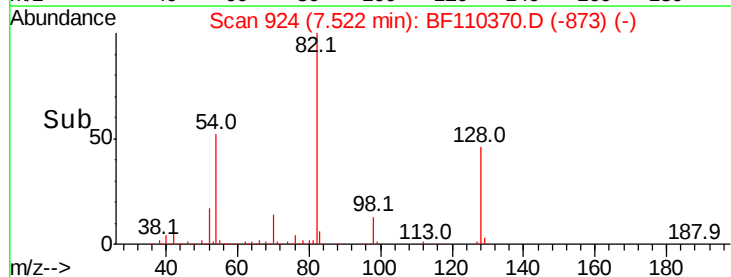


#23  
Nitrobenzene-d5  
Concen: 100.683 ng  
RT: 7.52 min Scan# 924  
Delta R.T. 0.00 min  
Lab File: BF110370.D  
Acq: 1 Nov 2018 15:55

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 648339 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 45.8  | 34.2  | 51.2   |
| 54       | 52.3  | 38.6  | 58.0   |



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: 10.00 min Scan# 1345

Delta R.T. 0.00 min

Lab File: BF110370.D

Acq: 1 Nov 2018 15:55

Instrument :

BNA\_F

ClientSampled :

TP-14

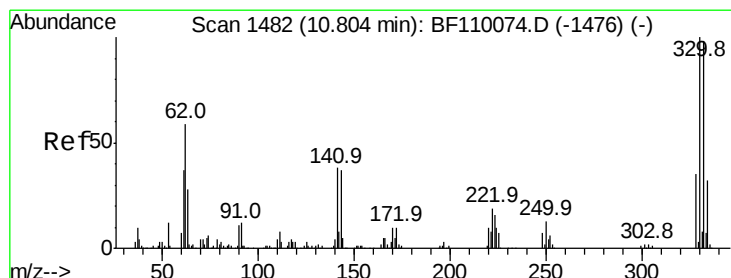
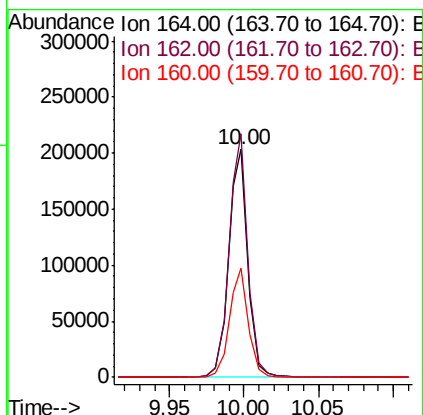
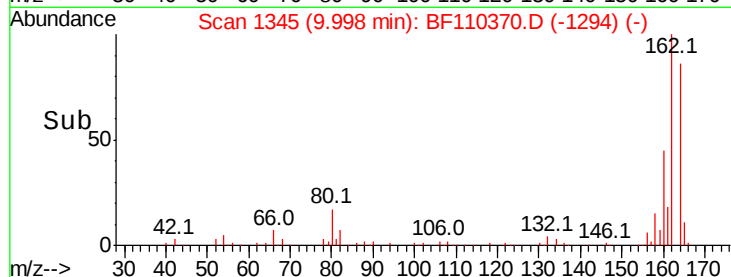
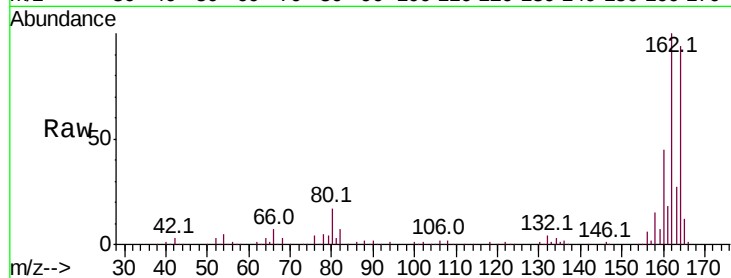
Tot Ion:164 Resp: 184217

Ion Ratio Lower Upper

164 100

162 106.8 83.0 124.6

160 48.2 37.0 55.6



#42

2,4,6-Tribromophenol

Concen: 138.995 ng

RT: 10.79 min Scan# 1480

Delta R.T. 0.00 min

Lab File: BF110370.D

Acq: 1 Nov 2018 15:55

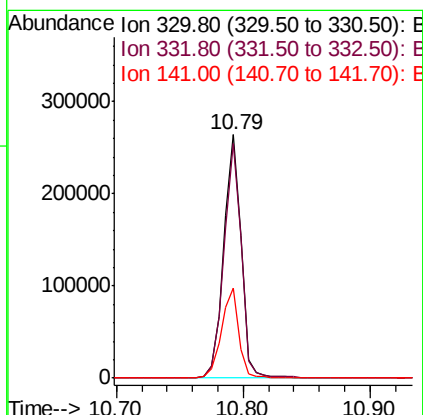
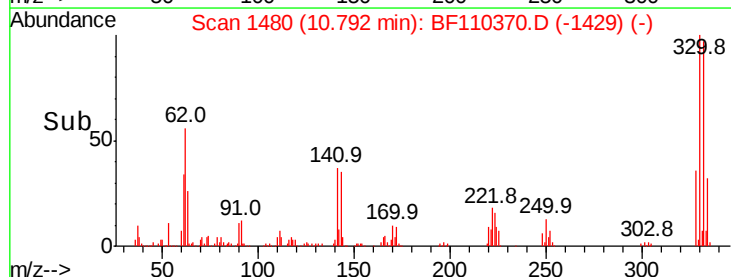
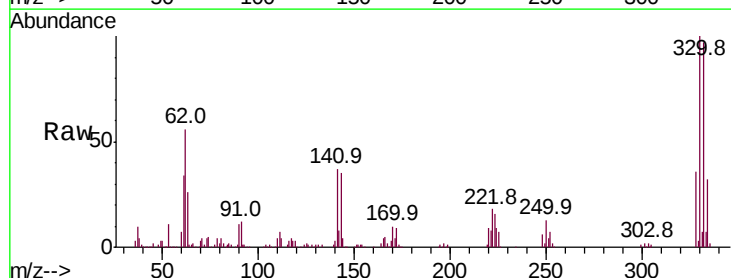
Tgt Ion:330 Resp: 253637

Ion Ratio Lower Upper

330 100

332 96.5 77.1 115.7

141 37.1 27.0 40.4



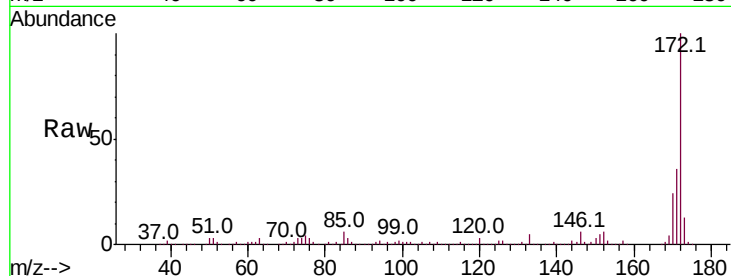


#45  
 2-Fluorobiphenyl  
 Concen: 103.058 ng  
 RT: 9.32 min Scan# 1229  
 Delta R.T. 0.00 min  
 Lab File: BF110370.D  
 Acq: 1 Nov 2018 15:55

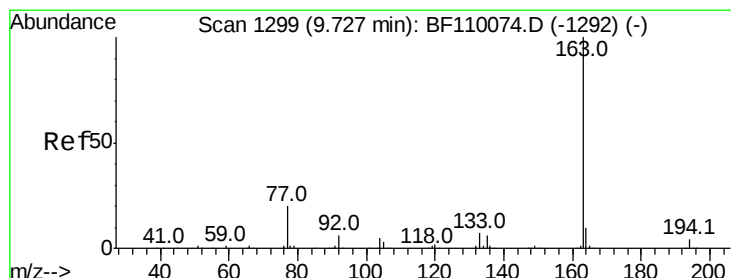
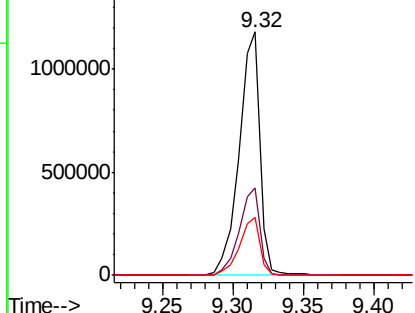
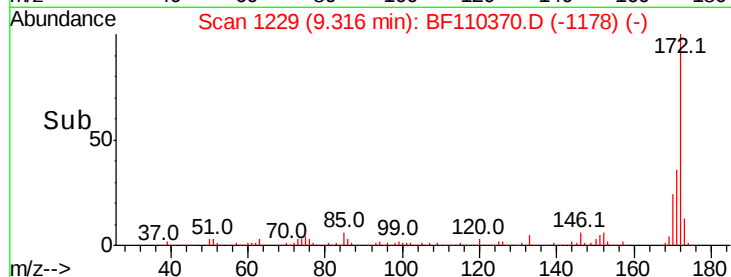
Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-14

Tot Ion:172 Resp: 1209038  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 172 | 100   |       |       |
| 171 | 35.8  | 28.6  | 43.0  |
| 170 | 23.8  | 19.7  | 29.5  |



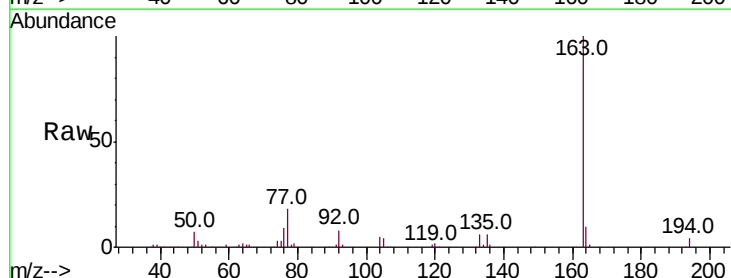
Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E



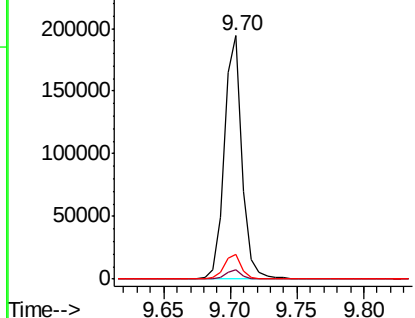
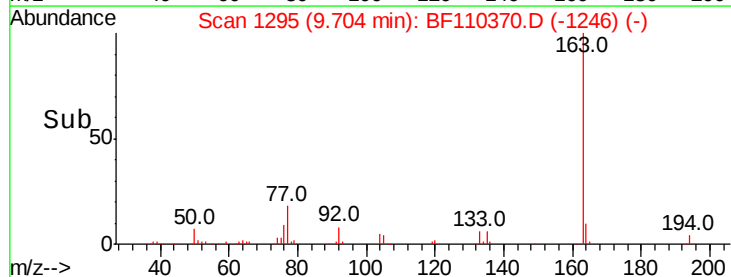
#50  
 Dimethylphthalate  
 Concen: 13.414 ng  
 RT: 9.70 min Scan# 1295  
 Delta R.T. -0.01 min  
 Lab File: BF110370.D  
 Acq: 1 Nov 2018 15:55

Tgt Ion:163 Resp: 182407  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 163 | 100   |       |       |
| 194 | 3.7   | 3.2   | 4.8   |
| 164 | 10.1  | 8.1   | 12.1  |



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

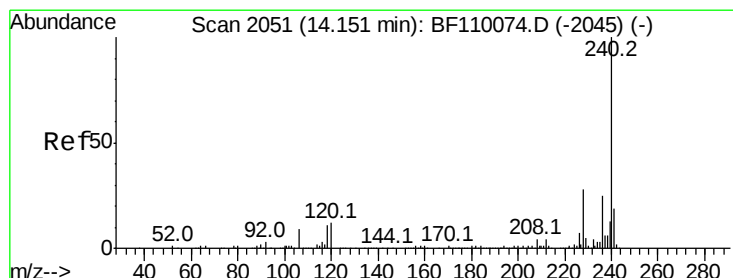
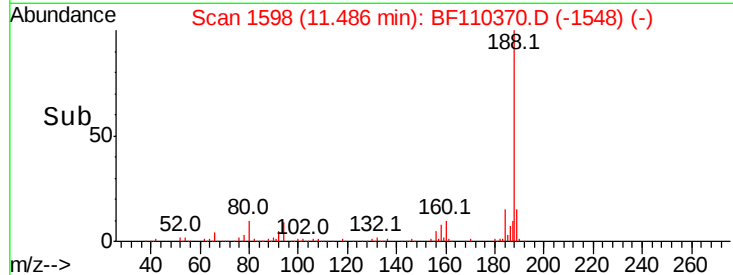
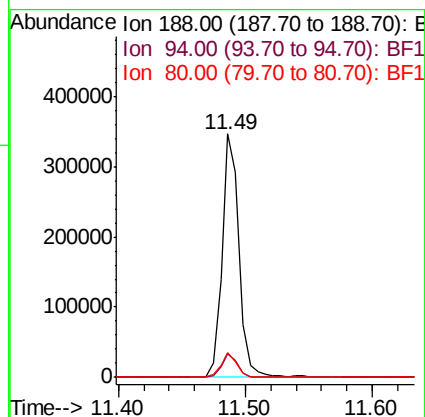
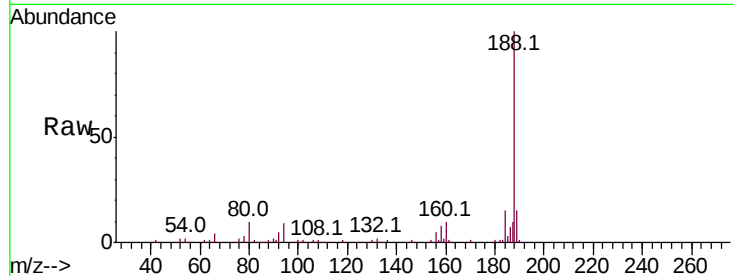




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.49 min Scan# 1598  
Delta R.T. -0.01 min  
Lab File: BF110370.D  
Acq: 1 Nov 2018 15:55

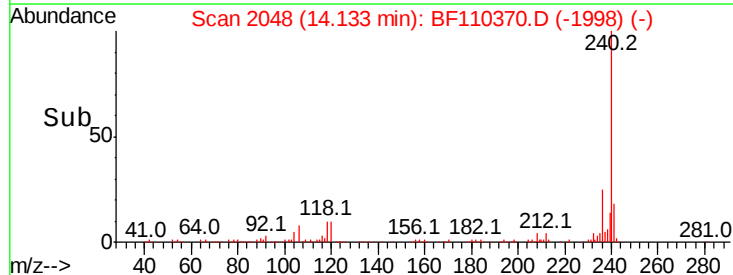
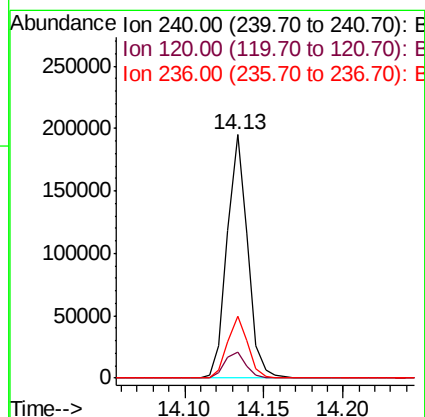
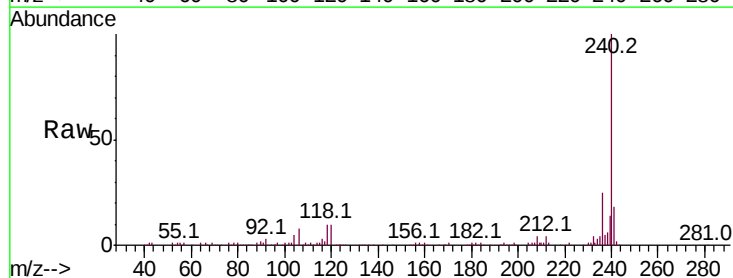
Instrument :  
BNA\_F  
ClientSampleId :  
TP-14

Tot Ion:188 Resp: 323801  
Ion Ratio Lower Upper  
188 100  
94 9.4 7.2 10.8  
80 10.2 7.9 11.9



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.13 min Scan# 2048  
Delta R.T. -0.01 min  
Lab File: BF110370.D  
Acq: 1 Nov 2018 15:55

Tgt Ion:240 Resp: 175067  
Ion Ratio Lower Upper  
240 100  
120 10.5 8.3 12.5  
236 25.2 21.2 31.8





#79

Terphenyl-d14

Concen: 109.778 ng

RT: 13.07 min Scan# 1868

Delta R.T. 0.00 min

Lab File: BF110370.D

Acq: 1 Nov 2018 15:55

Instrument :

BNA\_F

ClientSampled :

TP-14

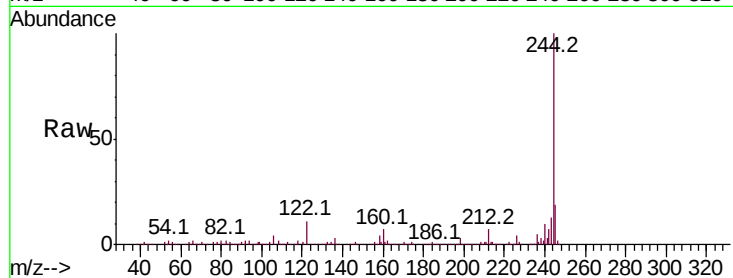
Tot Ion:244 Resp: 924099

Ion Ratio Lower Upper

244 100

212 6.8 5.8 8.8

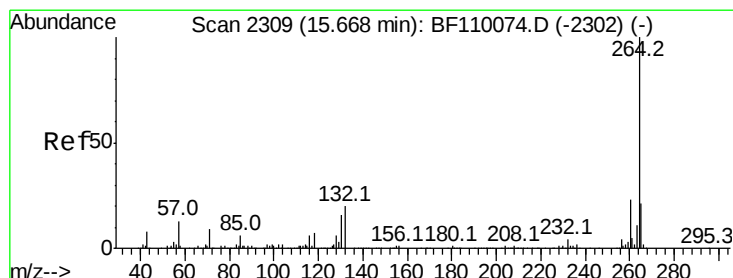
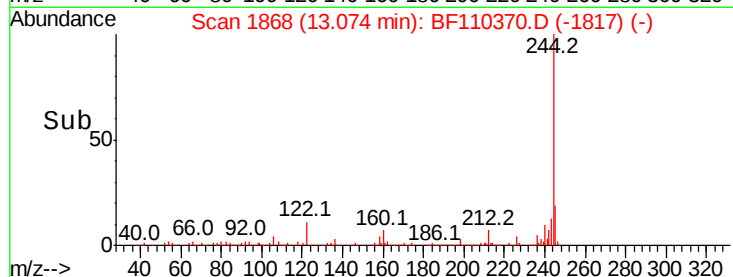
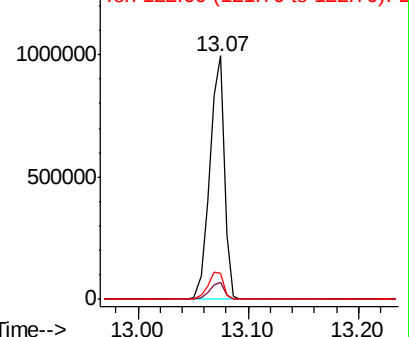
122 10.9 8.7 13.1



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: 15.66 min Scan# 2307

Delta R.T. 0.00 min

Lab File: BF110370.D

Acq: 1 Nov 2018 15:55

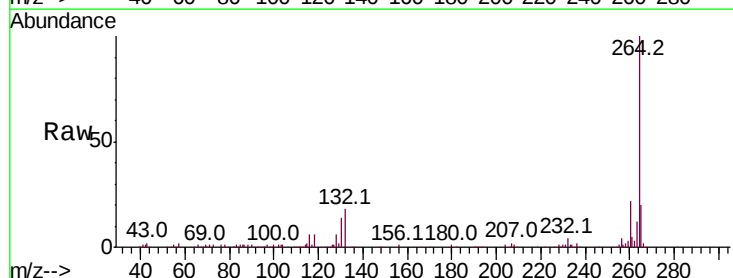
Tgt Ion:264 Resp: 184383

Ion Ratio Lower Upper

264 100

260 22.1 18.7 28.1

265 20.4 16.7 25.1



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

