

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031119\  
 Data File : BF112971.D  
 Acq On : 11 Mar 2019 22:50  
 Operator : JU/SJ  
 Sample : K1689-01 5X  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 NB-07-030819

Quant Time: Mar 12 05:58:22 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Mar 01 15:40:43 2019  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.73  | 152  | 162413   | 20.00 | ng    | -0.01    |
| 21) Naphthalene-d8          | 8.01  | 136  | 620617   | 20.00 | ng    | -0.01    |
| 39) Acenaphthene-d10        | 9.76  | 164  | 374838   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10        | 11.24 | 188  | 787204   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12            | 13.86 | 240  | 562714   | 20.00 | ng    | -0.01    |
| 87) Perylene-d12            | 15.27 | 264  | 504478   | 20.00 | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.33  | 112  | 196898   | 18.86 | ng    | -0.02    |
| 7) Phenol-d6                | 6.36  | 99   | 269867   | 20.58 | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.29  | 82   | 146098   | 14.09 | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol    | 10.55 | 330  | 102397   | 25.73 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl        | 9.09  | 172  | 351177   | 11.49 | ng    | -0.01    |
| 79) Terphenyl-d14           | 12.82 | 244  | 398704   | 13.73 | ng    | -0.01    |

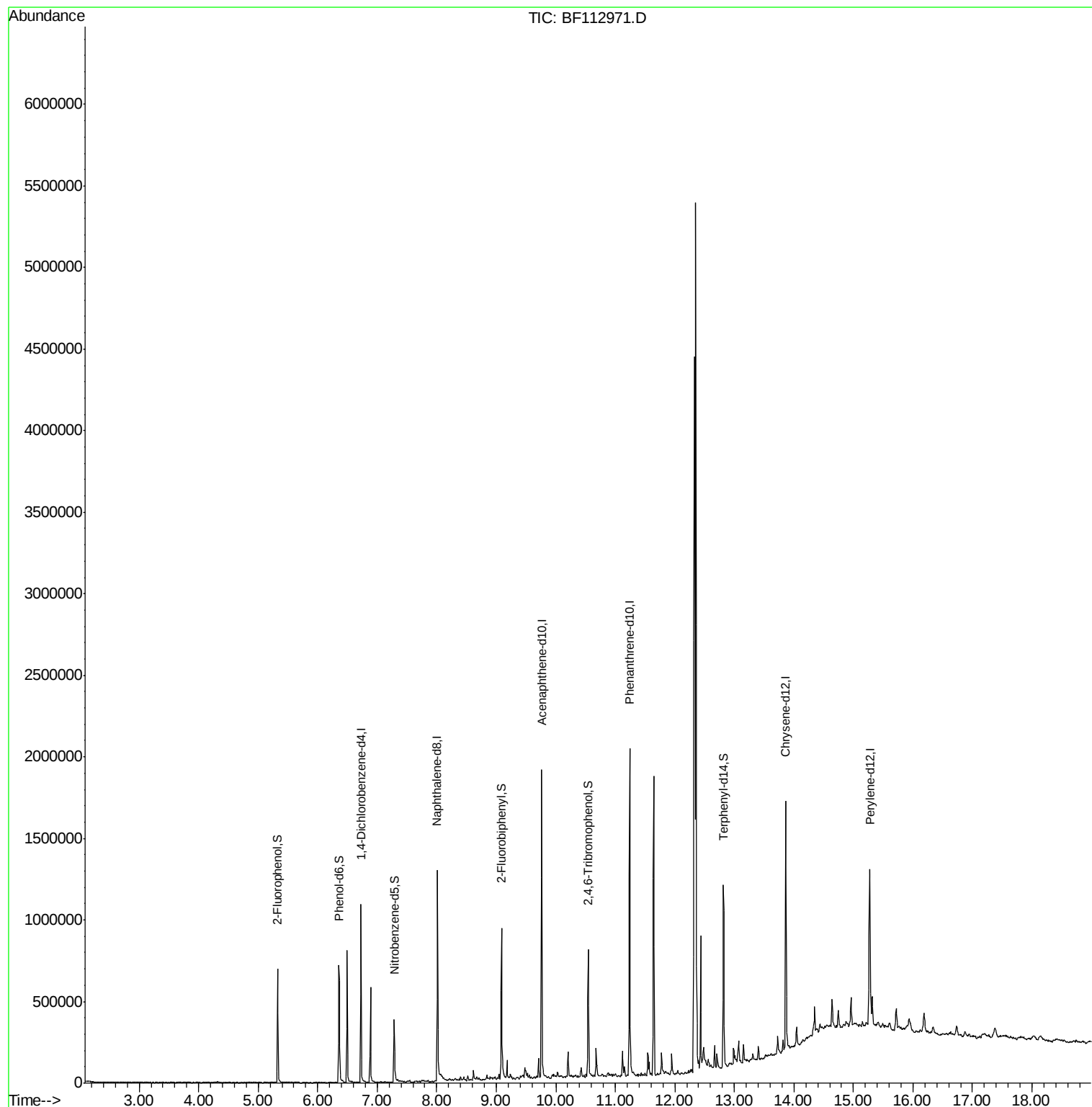
Target Compounds Qvalue

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

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Mar 01 15:40:43 2019  
Response via : Initial Calibration



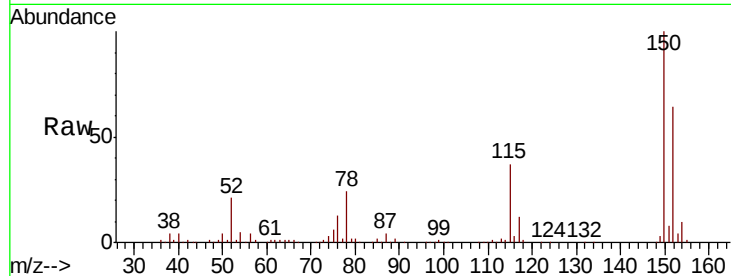


#1

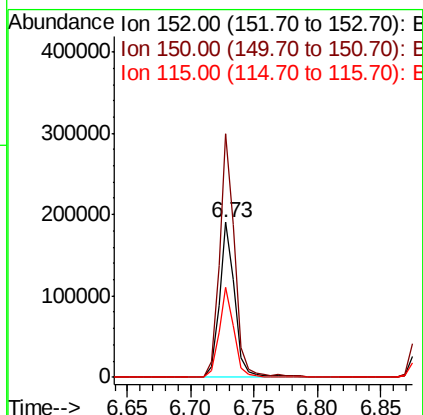
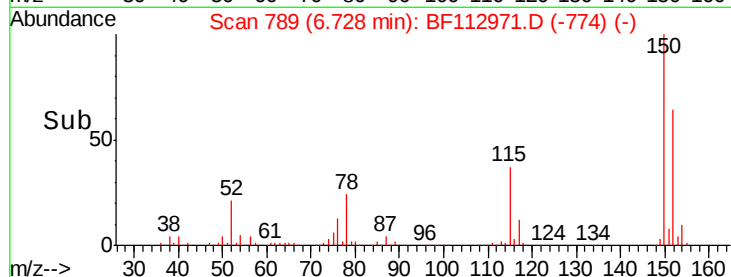
1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.73 min Scan# 789  
 Delta R.T. -0.01 min  
 Lab File: BF112971.D  
 Acq: 11 Mar 2019 22:50

Instrument :  
 BNA\_F  
 ClientSampleId :  
 NB-07-030819

Tot Ion:152 Resp: 162413  
 Ion Ratio Lower Upper  
 152 100  
 150 156.9 124.2 186.2  
 115 57.7 48.2 72.4



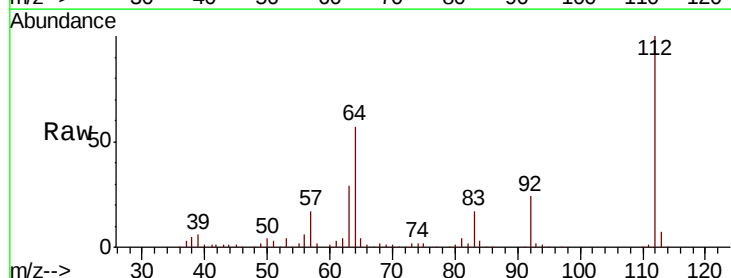
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



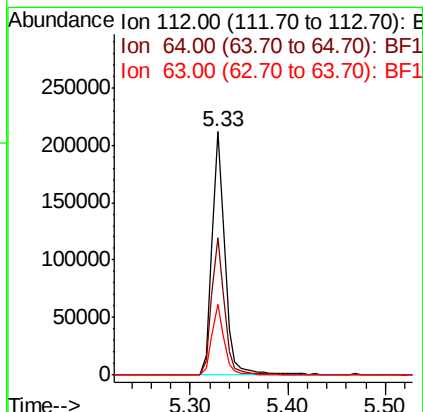
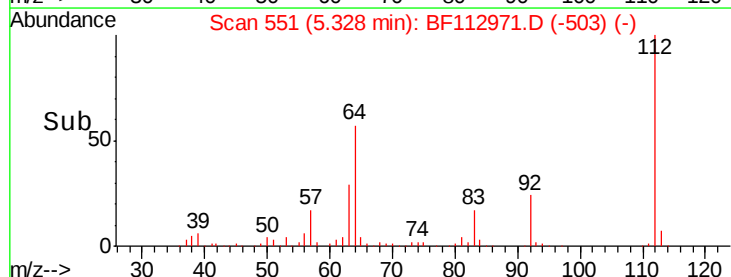
#5

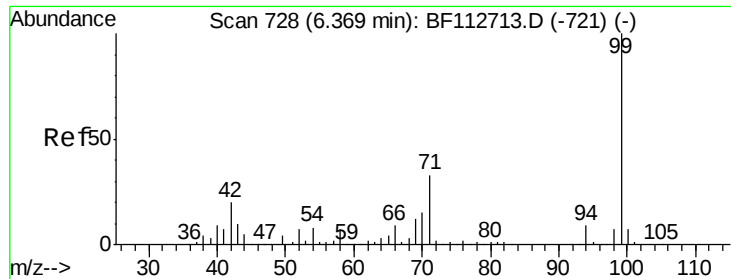
2-Fluorophenol  
 Concen: 18.858 ng  
 RT: 5.33 min Scan# 551  
 Delta R.T. -0.02 min  
 Lab File: BF112971.D  
 Acq: 11 Mar 2019 22:50

Tgt Ion:112 Resp: 196898  
 Ion Ratio Lower Upper  
 112 100  
 64 56.6 47.6 71.4  
 63 28.9 24.4 36.6



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: 20.576 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF112971.D

Acq: 11 Mar 2019 22:50

Instrument :

BNA\_F

ClientSampleId :

NB-07-030819

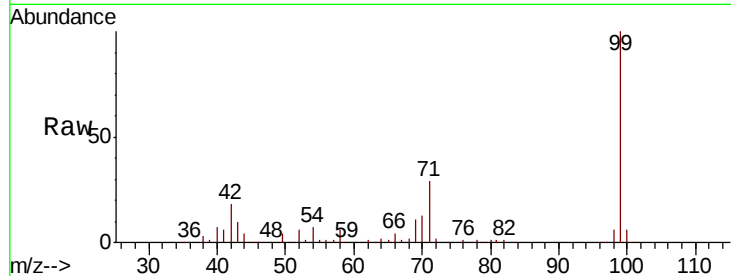
Tot Ion: 99 Resp: 269867

Ion Ratio Lower Upper

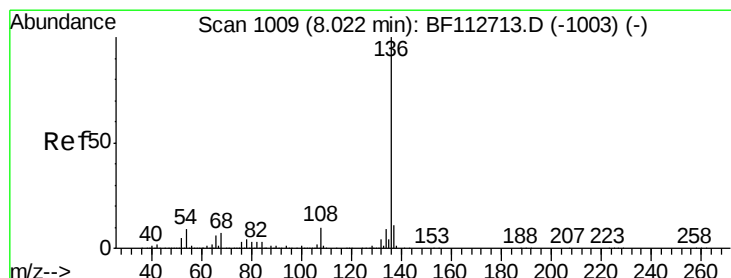
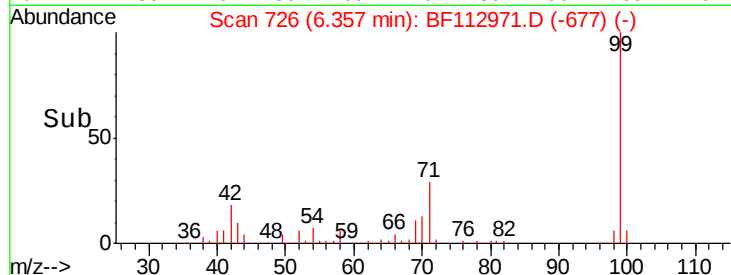
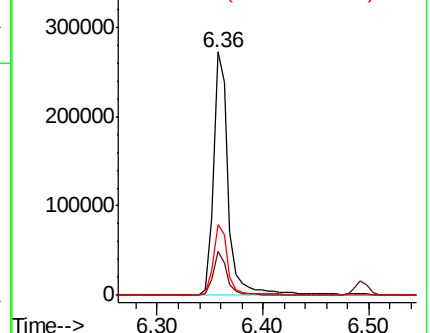
99 100

42 17.8 16.3 24.5

71 29.3 26.2 39.4



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: 8.01 min Scan# 1007

Delta R.T. -0.01 min

Lab File: BF112971.D

Acq: 11 Mar 2019 22:50

Tgt Ion: 136 Resp: 620617

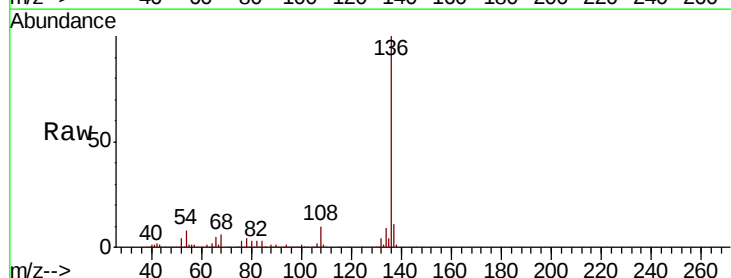
Ion Ratio Lower Upper

136 100

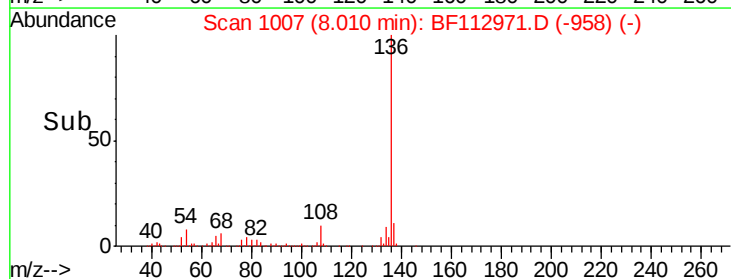
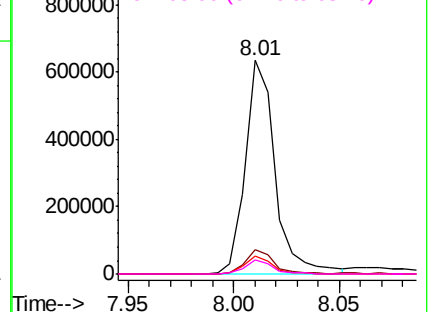
137 11.2 8.9 13.3

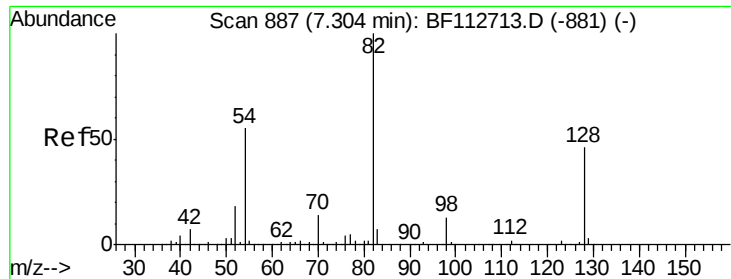
54 8.5 7.3 10.9

68 6.4 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

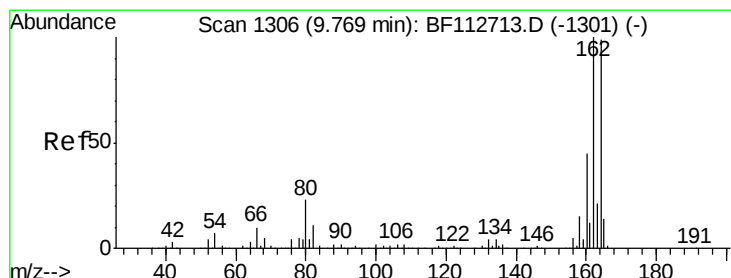
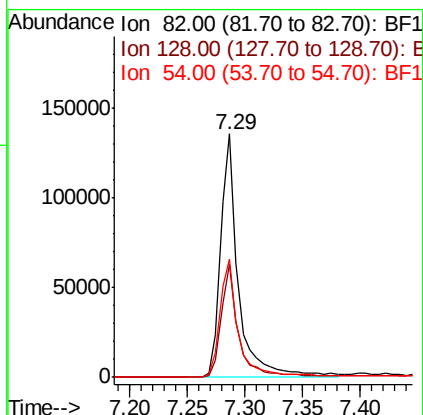
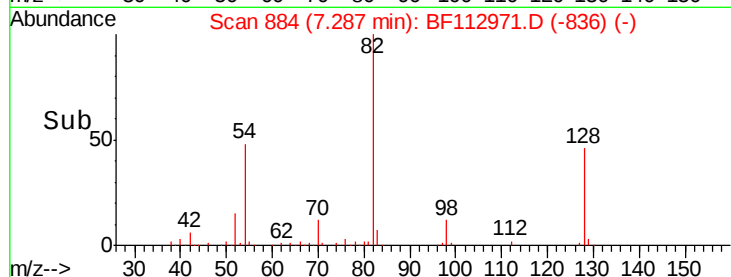
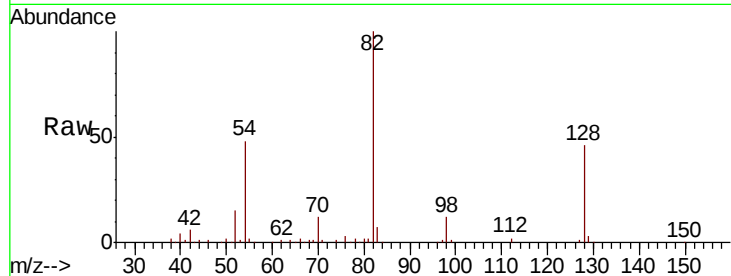




#23  
Nitrobenzene-d5  
Concen: 14.086 ng  
RT: 7.29 min Scan# 884  
Delta R.T. -0.02 min  
Lab File: BF112971.D  
Acq: 11 Mar 2019 22:50

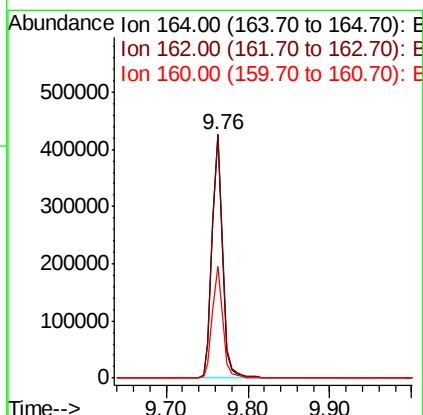
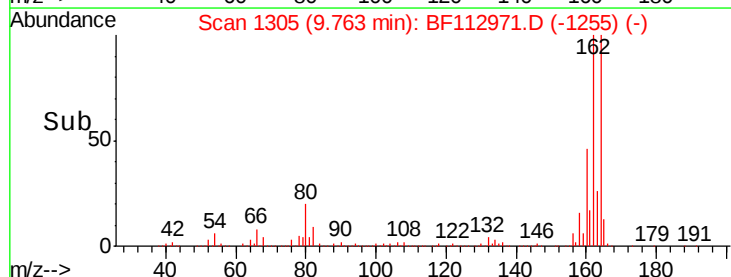
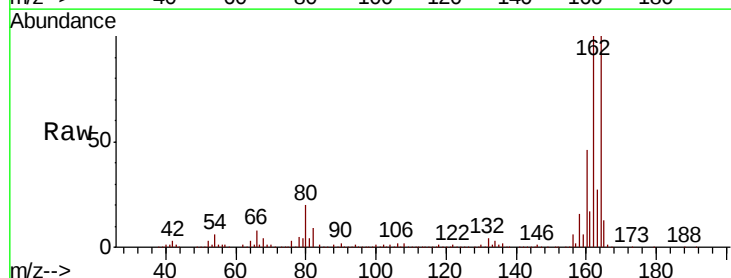
Instrument :  
BNA\_F  
ClientSampleId :  
NB-07-030819

Tot Ion: 82 Resp: 146098  
Ion Ratio Lower Upper  
82 100  
128 46.2 36.3 54.5  
54 48.4 43.7 65.5



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.76 min Scan# 1305  
Delta R.T. -0.01 min  
Lab File: BF112971.D  
Acq: 11 Mar 2019 22:50

Tgt Ion:164 Resp: 374838  
Ion Ratio Lower Upper  
164 100  
162 100.1 80.6 120.8  
160 45.7 36.0 54.0

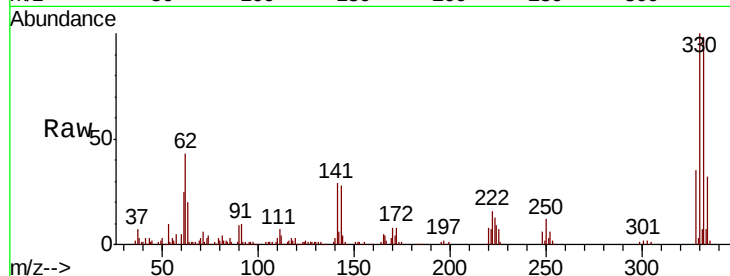




#42  
2,4,6-Tribromophenol  
Concen: 25.732 ng  
RT: 10.55 min Scan# 1438  
Delta R.T. -0.01 min  
Lab File: BF112971.D  
Acq: 11 Mar 2019 22:50

Instrument :  
BNA\_F  
ClientSampleId :  
NB-07-030819

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 98.6  | 76.2  | 114.4 |
| 141     | 29.7  | 27.0  | 40.6  |

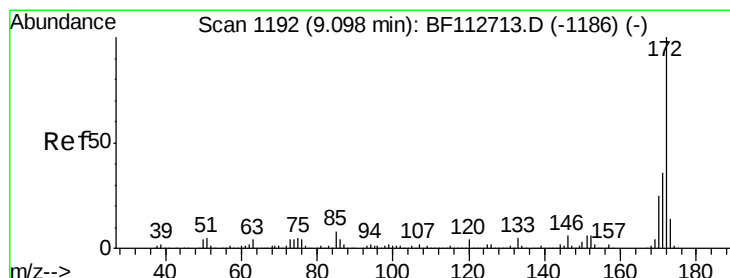
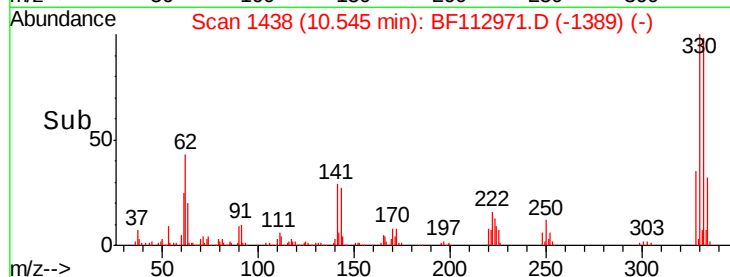
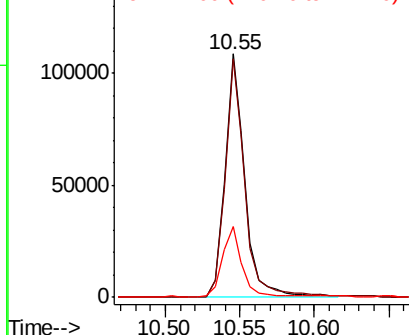


Abundance

Ion 329.80 (329.50 to 330.50): E

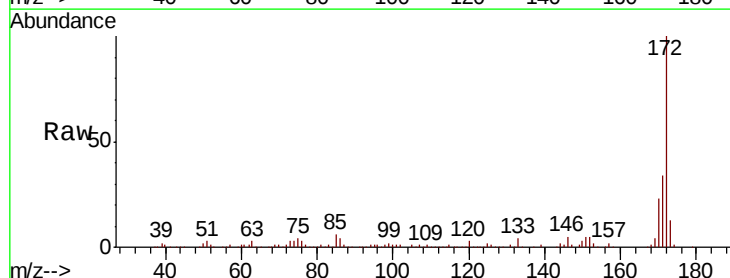
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45  
2-Fluorobiphenyl  
Concen: 11.488 ng  
RT: 9.09 min Scan# 1190  
Delta R.T. -0.01 min  
Lab File: BF112971.D  
Acq: 11 Mar 2019 22:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 34.4  | 29.0  | 43.4  |
| 170     | 23.5  | 20.0  | 30.0  |

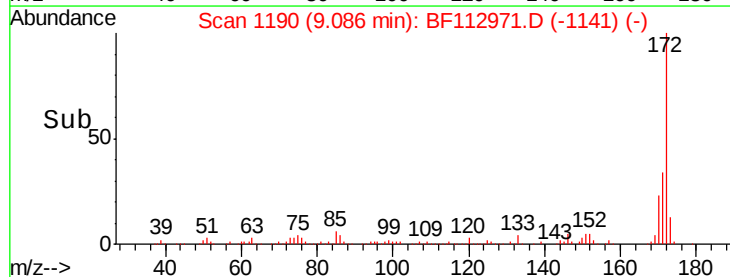
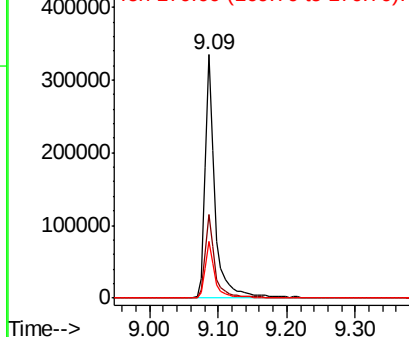


Abundance

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

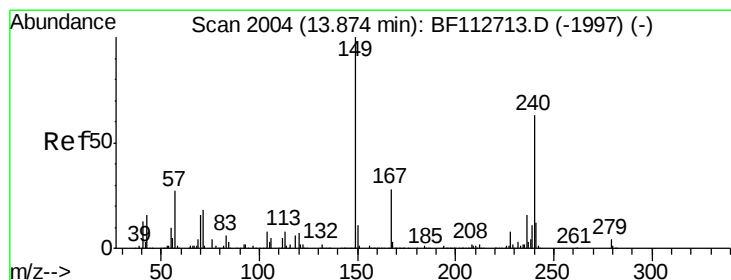
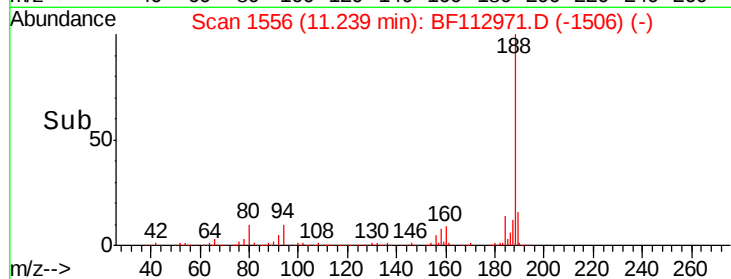
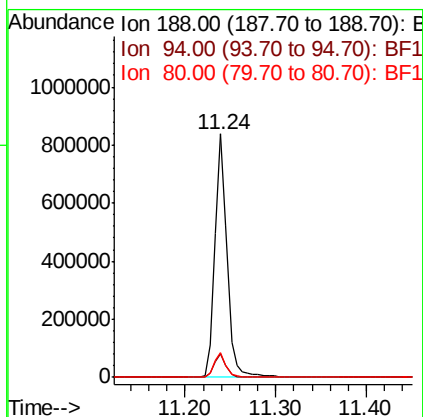
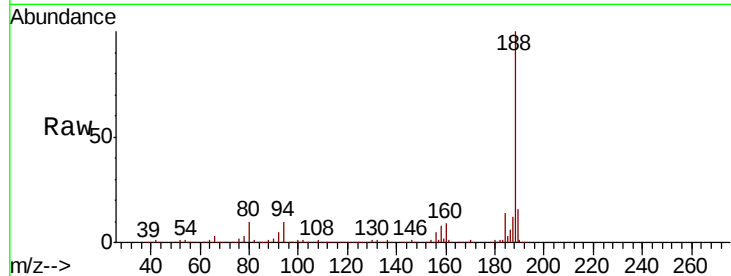




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.24 min Scan# 1556  
Delta R.T. -0.01 min  
Lab File: BF112971.D  
Acq: 11 Mar 2019 22:50

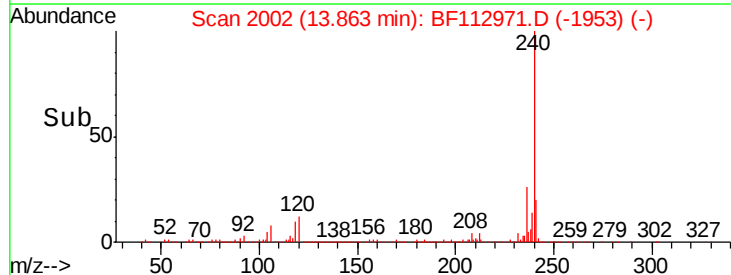
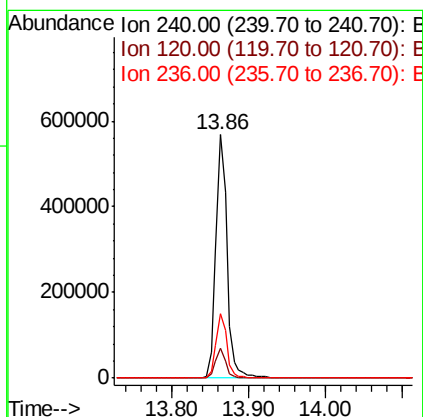
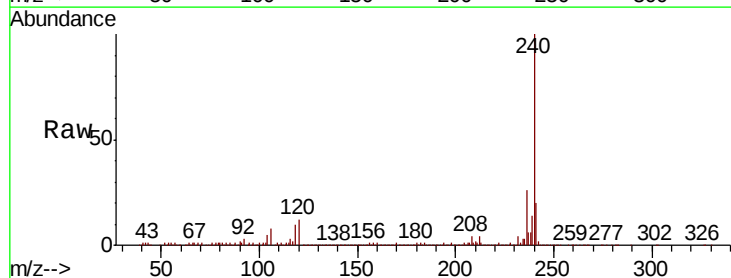
Instrument :  
BNA\_F  
ClientSampleId :  
NB-07-030819

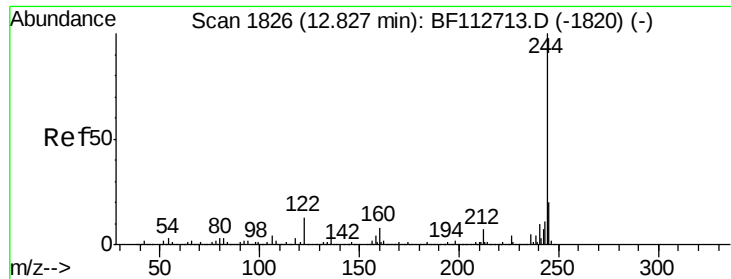
Tot Ion:188 Resp: 787204  
Ion Ratio Lower Upper  
188 100  
94 9.6 9.0 13.4  
80 10.1 9.2 13.8



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.86 min Scan# 2002  
Delta R.T. -0.01 min  
Lab File: BF112971.D  
Acq: 11 Mar 2019 22:50

Tgt Ion:240 Resp: 562714  
Ion Ratio Lower Upper  
240 100  
120 12.2 8.9 13.3  
236 26.4 20.7 31.1

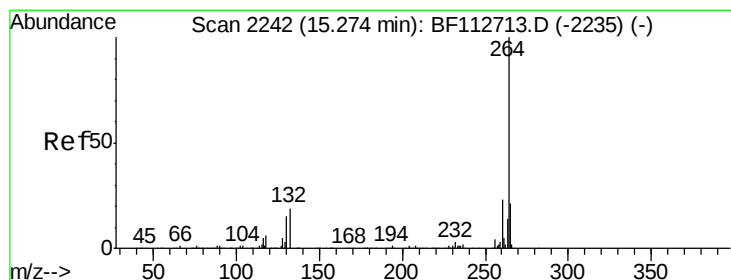
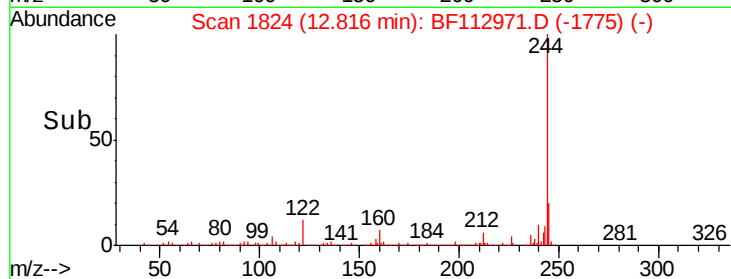
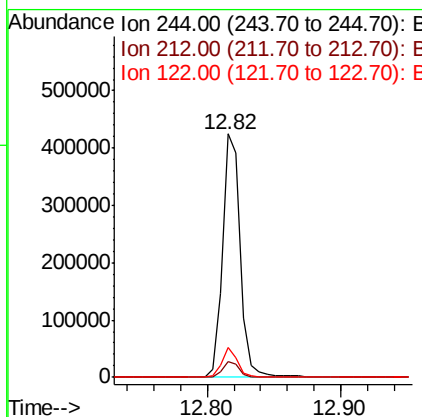
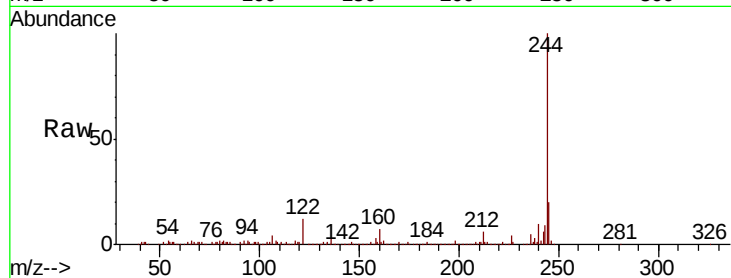




#79  
 Terphenyl-d14  
 Concen: 13.735 ng  
 RT: 12.82 min Scan# 1824  
 Delta R.T. -0.01 min  
 Lab File: BF112971.D  
 Acq: 11 Mar 2019 22:50

Instrument :  
 BNA\_F  
 ClientSampleID :  
 NB-07-030819

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 6.4   | 5.6   | 8.4   |
| 122     | 12.3  | 10.5  | 15.7  |



#87  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.27 min Scan# 2242  
 Delta R.T. 0.00 min  
 Lab File: BF112971.D  
 Acq: 11 Mar 2019 22:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.4  | 18.7  | 28.1  |
| 265     | 21.8  | 17.2  | 25.8  |

