

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062918\  
 Data File : BF106969.D  
 Acq On : 29 Jun 2018 13:32  
 Operator : JU/SJ  
 Sample : J3709-04  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 EME-FW-TS004-02

Quant Time: Jun 29 15:04:35 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jun 29 11:40:02 2018  
 Response via : Initial Calibration

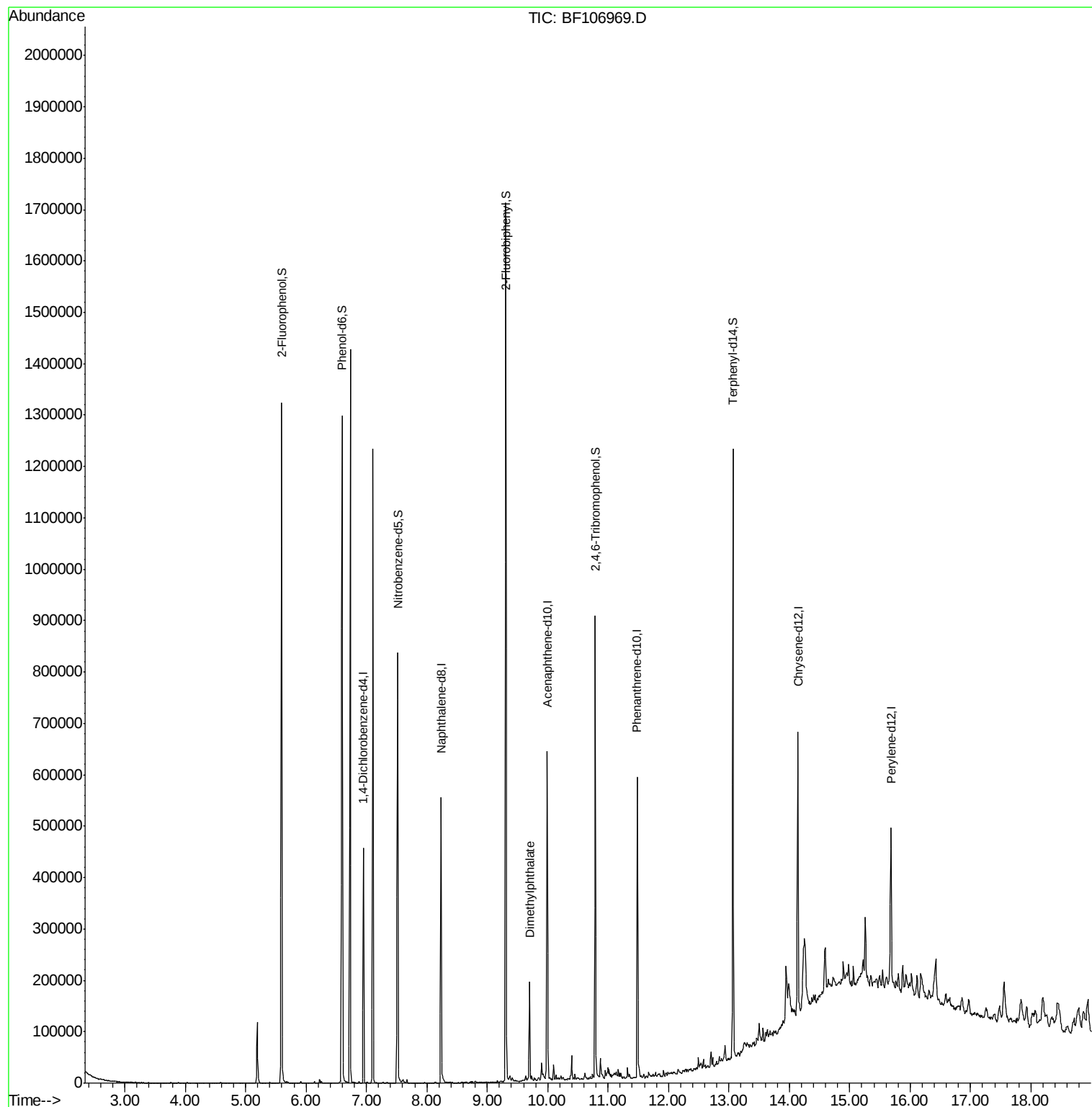
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.95  | 152  | 71726    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.24  | 136  | 271608   | 20.00 | ng    | -0.01    |
| 38) Acenaphthene-d10        | 10.00 | 164  | 130668   | 20.00 | ng    | -0.01    |
| 63) Phenanthrene-d10        | 11.48 | 188  | 230120   | 20.00 | ng    | -0.02    |
| 75) Chrysene-d12            | 14.14 | 240  | 206243   | 20.00 | ng    | -0.02    |
| 86) Perylene-d12            | 15.68 | 264  | 166892   | 20.00 | ng    | -0.04    |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.60  | 112  | 370513   | 87.47 | ng    | 0.00     |
| 7) Phenol-d6                | 6.60  | 99   | 465523   | 88.01 | ng    | -0.02    |
| 23) Nitrobenzene-d5         | 7.52  | 82   | 290644   | 59.47 | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol    | 10.79 | 330  | 136518   | 90.14 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 9.31  | 172  | 511632   | 62.34 | ng    | -0.02    |
| 78) Terphenyl-d14           | 13.07 | 244  | 463282   | 54.41 | ng    | -0.01    |
| Target Compounds            |       |      |          |       |       | Qvalue   |
| 49) Dimethylphthalate       | 9.70  | 163  | 76960    | 7.853 | ng    | 100      |

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

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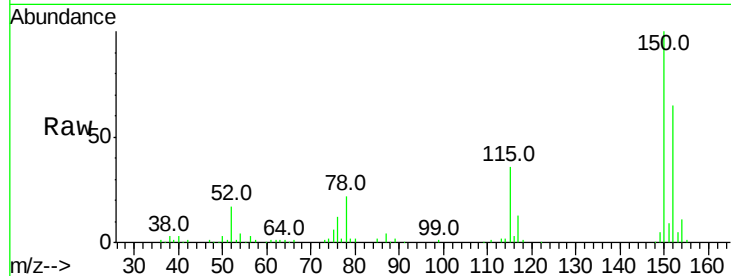


#1

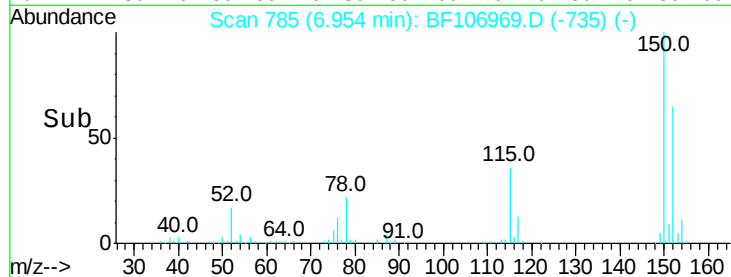
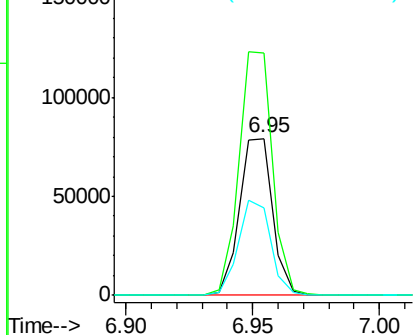
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.95 min Scan# 785  
Delta R.T. -0.01 min  
Lab File: BF106969.D  
Acq: 29 Jun 2018 13:32

Instrument :  
BNA\_F  
ClientSampleId :  
EME-FW-TS004-02

Tot Ion:152 Resp: 71726  
Ion Ratio Lower Upper  
152 100  
150 155.0 124.6 186.8  
115 55.6 50.1 75.1



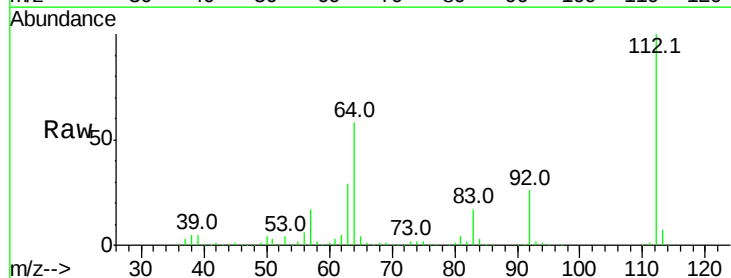
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



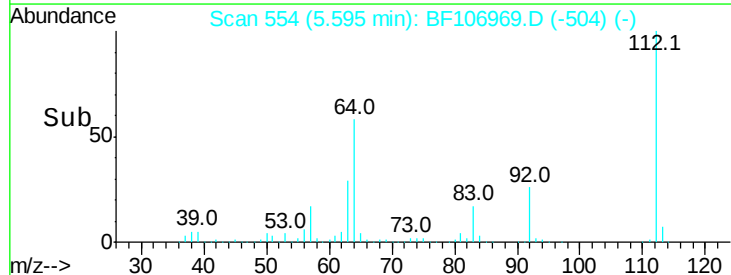
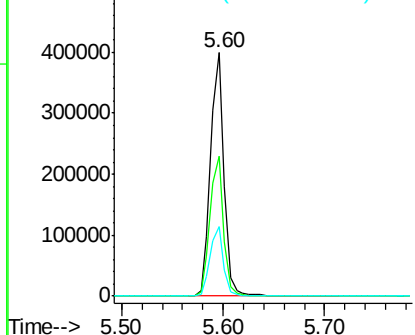
#5

2-Fluorophenol  
Concen: 87.471 ng  
RT: 5.60 min Scan# 554  
Delta R.T. -0.01 min  
Lab File: BF106969.D  
Acq: 29 Jun 2018 13:32

Tgt Ion:112 Resp: 370513  
Ion Ratio Lower Upper  
112 100  
64 57.6 47.9 71.9  
63 28.6 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: 88.005 ng

RT: 6.60 min Scan# 724

Delta R.T. -0.02 min

Lab File: BF106969.D

Acq: 29 Jun 2018 13:32

Instrument :

BNA\_F

ClientSampleId :

EME-FW-TS004-02

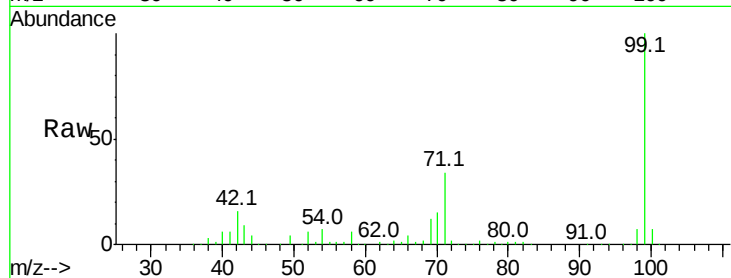
Tot Ion: 99 Resp: 465523

Ion Ratio Lower Upper

99 100

42 16.4 14.5 21.7

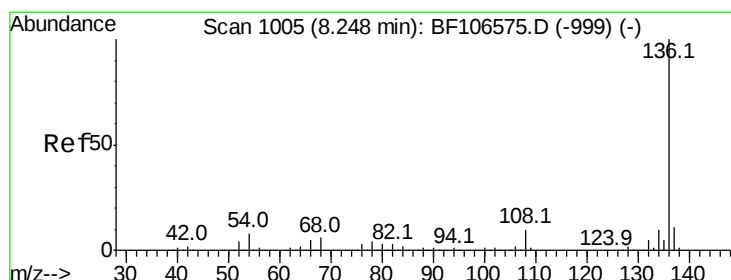
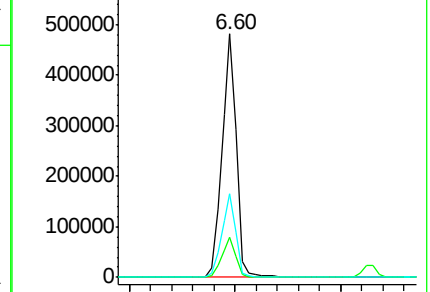
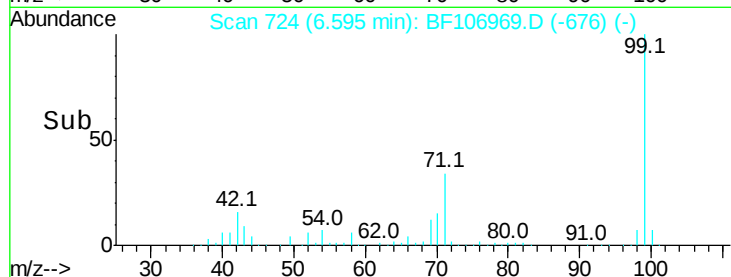
71 34.3 25.4 38.0



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.24 min Scan# 1003

Delta R.T. -0.01 min

Lab File: BF106969.D

Acq: 29 Jun 2018 13:32

Tgt Ion: 136 Resp: 271608

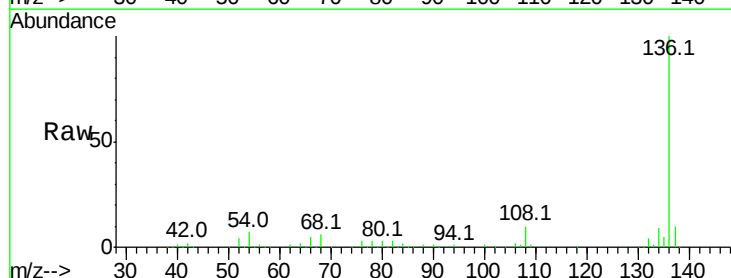
Ion Ratio Lower Upper

136 100

137 10.3 8.9 13.3

54 7.3 6.6 9.8

68 5.8 5.0 7.4

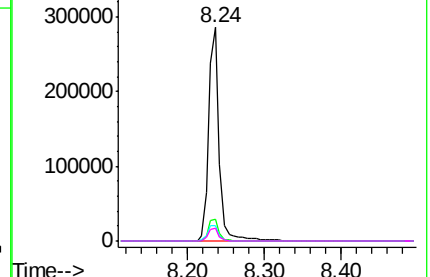
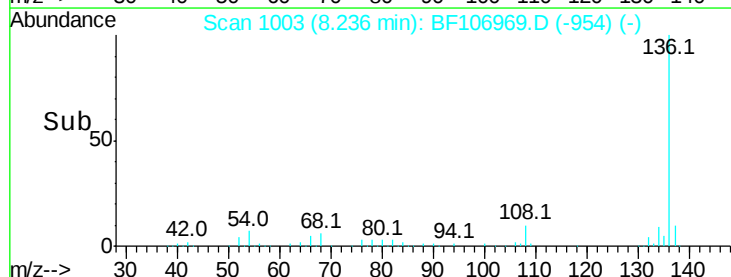


Abundance Ion 136.00 (135.70 to 136.70): E

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

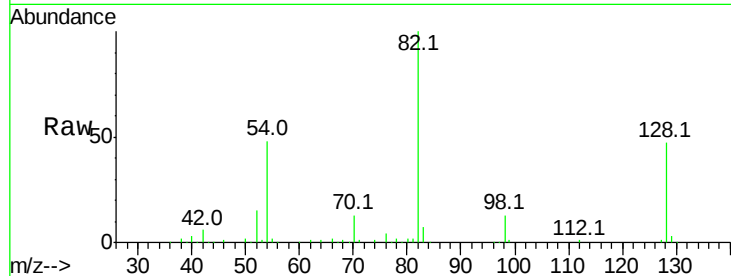




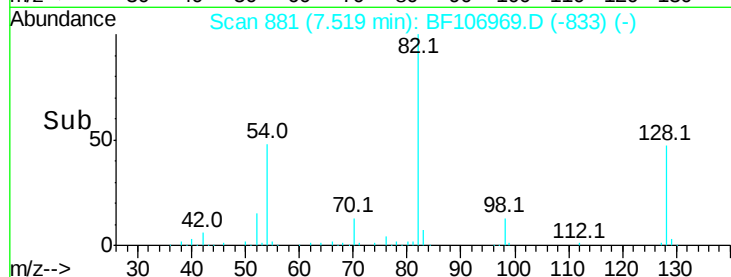
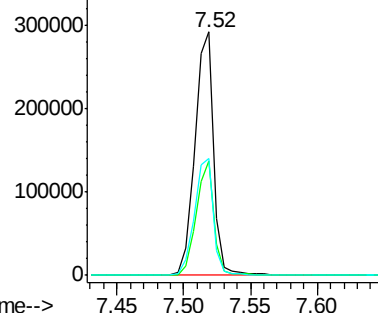
#23  
Nitrobenzene-d5  
Concen: 59.468 ng  
RT: 7.52 min Scan# 881  
Delta R.T. -0.02 min  
Lab File: BF106969.D  
Acq: 29 Jun 2018 13:32

Instrument :  
BNA\_F  
ClientSampleId :  
EME-FW-TS004-02

Tot Ion: 82 Resp: 290644  
Ion Ratio Lower Upper  
82 100  
128 46.9 36.1 54.1  
54 47.8 41.4 62.2

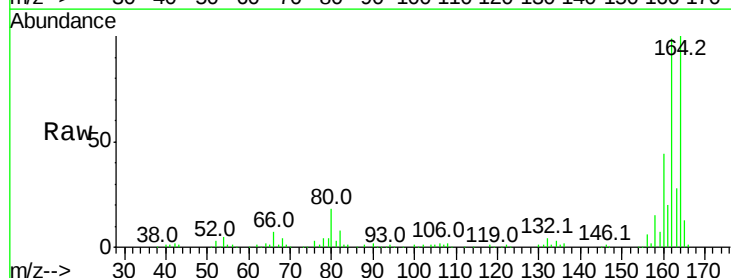


Abundance Ion 82.00 (81.70 to 82.70): BF1  
Ion 128.00 (127.70 to 128.70): BF1  
Ion 54.00 (53.70 to 54.70): BF1

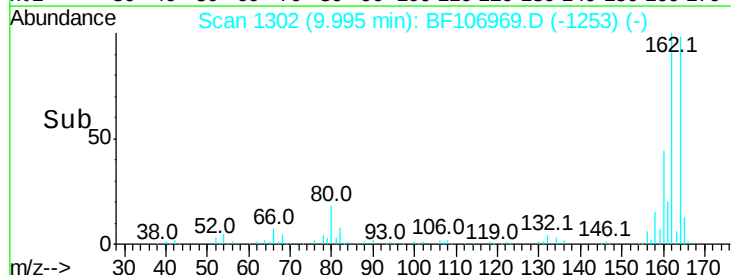
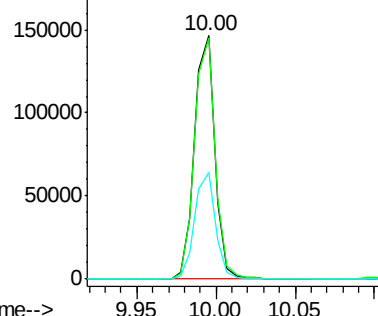


#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 10.00 min Scan# 1302  
Delta R.T. -0.01 min  
Lab File: BF106969.D  
Acq: 29 Jun 2018 13:32

Tgt Ion:164 Resp: 130668  
Ion Ratio Lower Upper  
164 100  
162 99.2 86.1 129.1  
160 43.7 38.3 57.5



Abundance Ion 164.00 (163.70 to 164.70): BF1  
Ion 162.00 (161.70 to 162.70): BF1  
Ion 160.00 (159.70 to 160.70): BF1

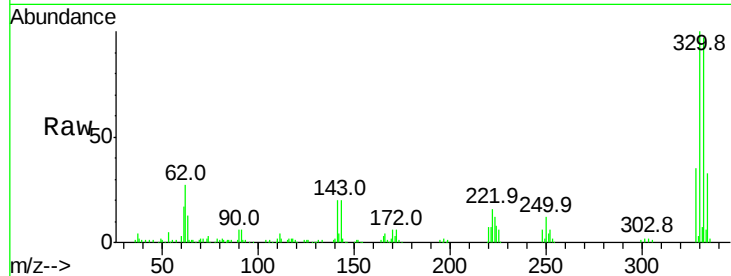




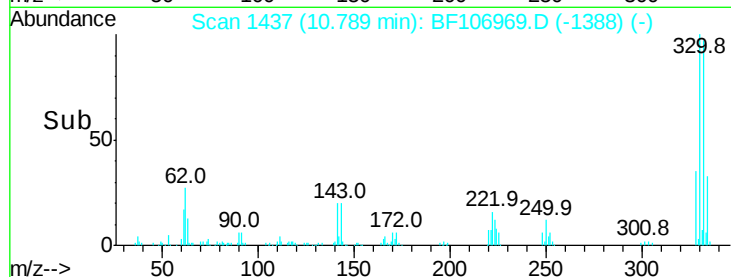
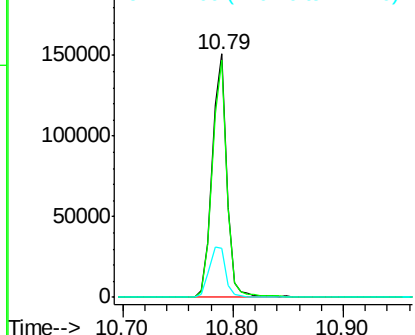
#41  
 2,4,6-Tribromophenol  
 Concen: 90.142 ng  
 RT: 10.79 min Scan# 1437  
 Delta R.T. -0.01 min  
 Lab File: BF106969.D  
 Acq: 29 Jun 2018 13:32

Instrument :  
 BNA\_F  
 ClientSampleId :  
 EME-FW-TS004-02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.7  | 77.0  | 115.6 |
| 141     | 23.3  | 29.9  | 44.9# |

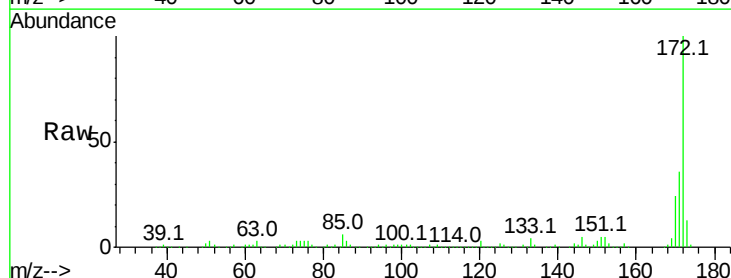


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

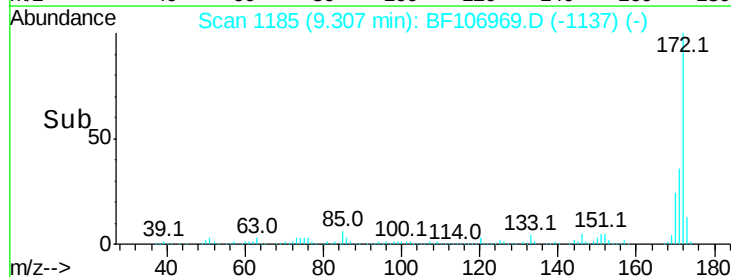
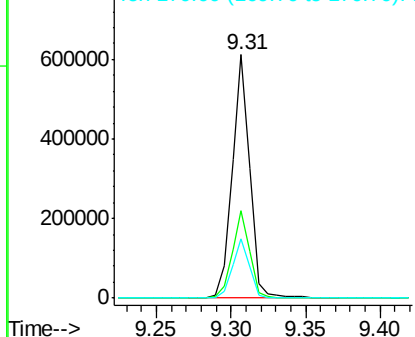


#44  
 2-Fluorobiphenyl  
 Concen: 62.343 ng  
 RT: 9.31 min Scan# 1185  
 Delta R.T. -0.02 min  
 Lab File: BF106969.D  
 Acq: 29 Jun 2018 13:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.8  | 29.7  | 44.5  |
| 170     | 24.2  | 19.6  | 29.4  |



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





#49

Dimethylphthalate

Concen: 7.853 ng

RT: 9.70 min Scan# 1252

Delta R.T. -0.02 min

Lab File: BF106969.D

Acq: 29 Jun 2018 13:32

Instrument :

BNA\_F

ClientSampleId :

EME-FW-TS004-02

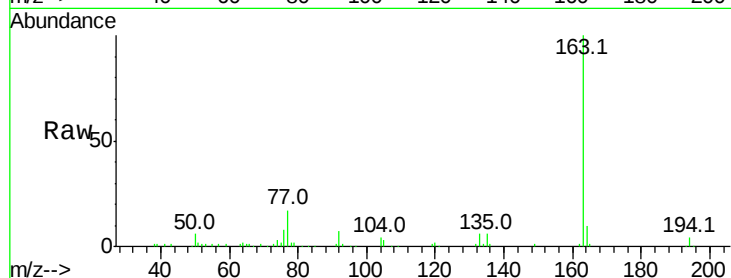
Tot Ion:163 Resp: 76960

Ion Ratio Lower Upper

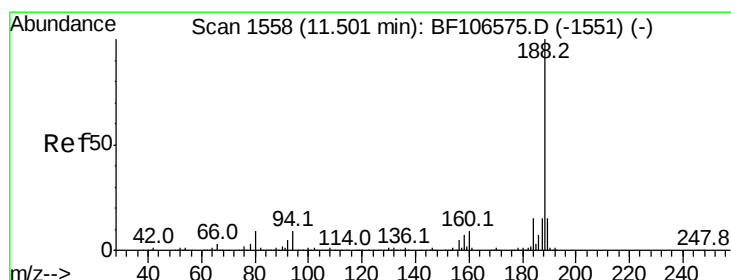
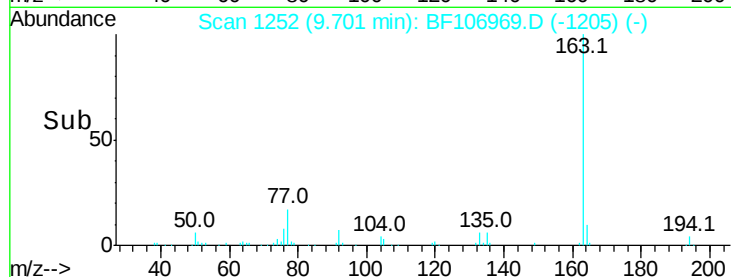
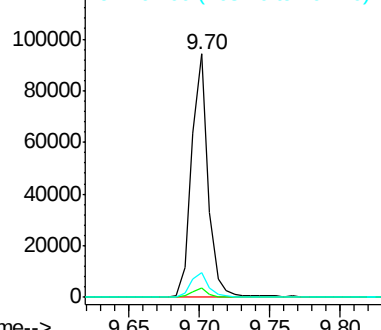
163 100

194 3.6 2.7 4.1

164 10.3 8.2 12.2



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



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.48 min Scan# 1555

Delta R.T. -0.02 min

Lab File: BF106969.D

Acq: 29 Jun 2018 13:32

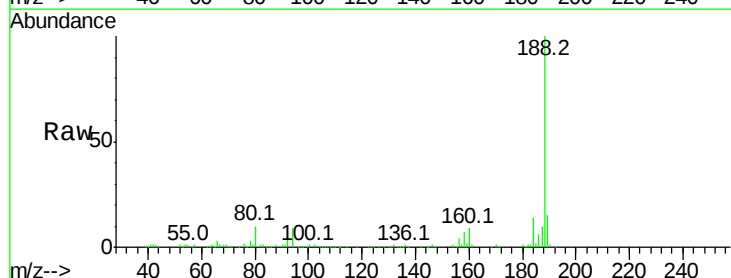
Tgt Ion:188 Resp: 230120

Ion Ratio Lower Upper

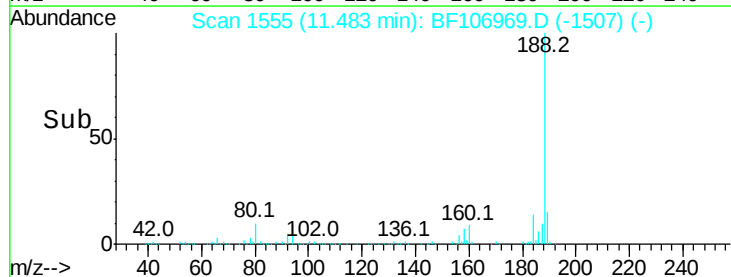
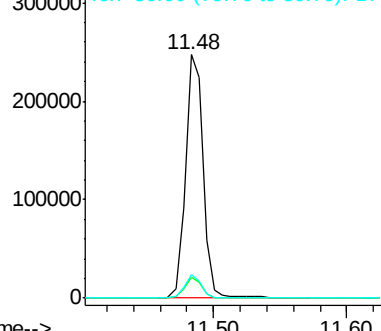
188 100

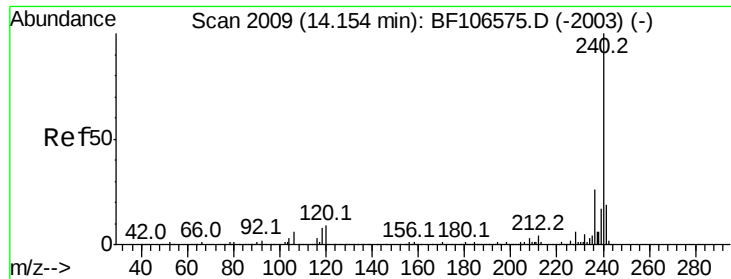
94 8.7 8.5 12.7

80 9.6 9.2 13.8



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





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.14 min Scan# 2007

Delta R.T. -0.02 min

Lab File: BF106969.D

Acq: 29 Jun 2018 13:32

Instrument :

BNA\_F

ClientSampleId :

EME-FW-TS004-02

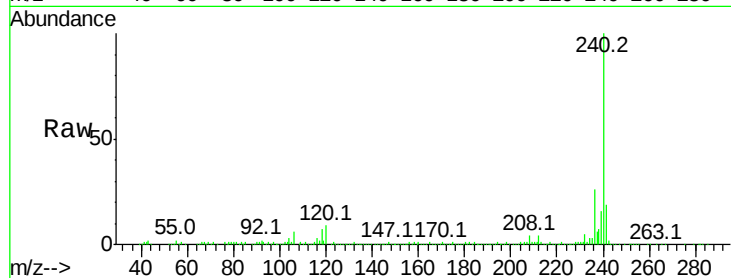
Tot Ion:240 Resp: 206243

Ion Ratio Lower Upper

240 100

120 8.6 9.5 14.3#

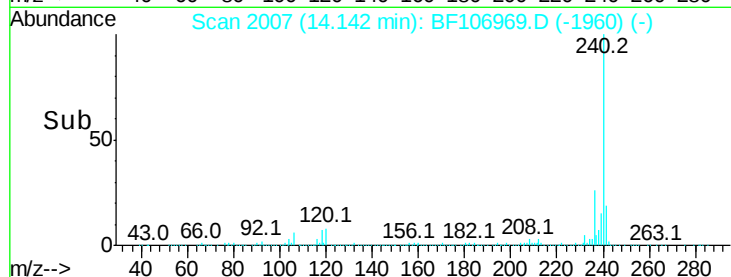
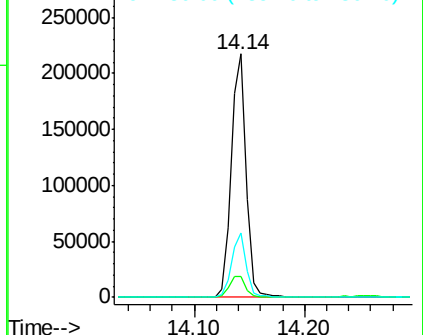
236 26.3 20.7 31.1



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



#78

Terphenyl-d14

Concen: 54.412 ng

RT: 13.07 min Scan# 1825

Delta R.T. -0.01 min

Lab File: BF106969.D

Acq: 29 Jun 2018 13:32

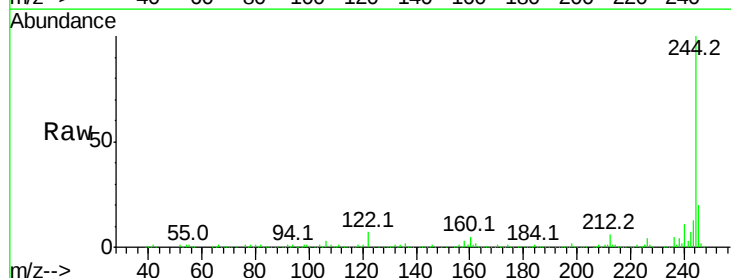
Tgt Ion:244 Resp: 463282

Ion Ratio Lower Upper

244 100

212 6.3 5.4 8.0

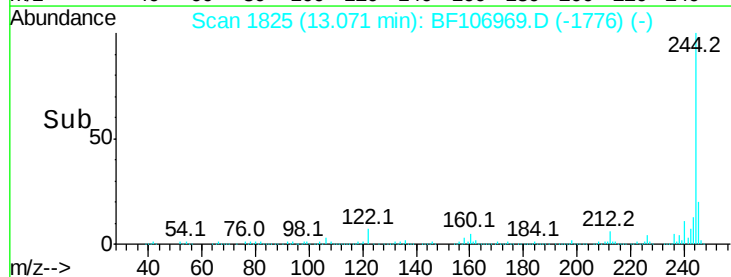
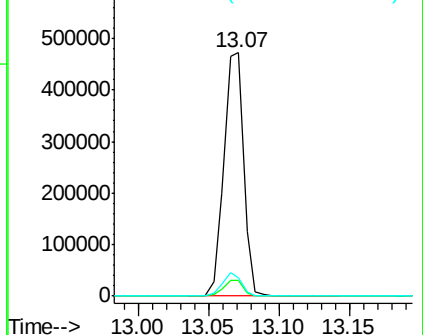
122 7.4 11.0 16.4#

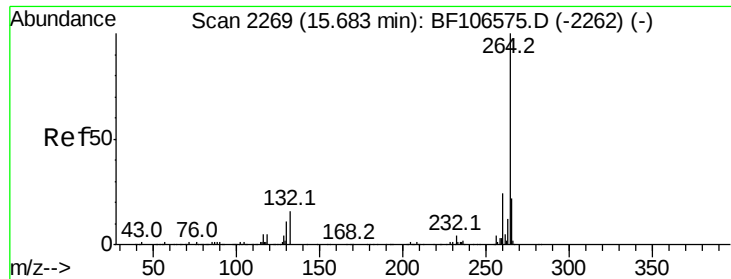


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

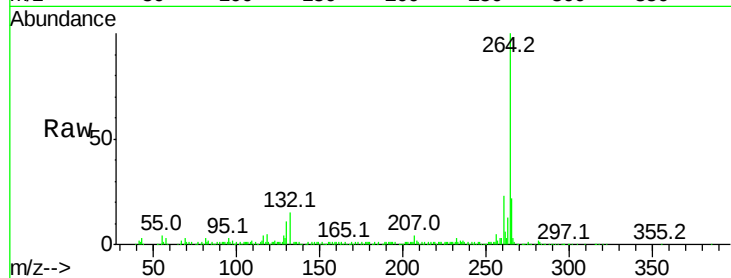




#86  
Pervlene-d12  
Concen: 20.000 ng  
RT: 15.68 min Scan# 2269  
Delta R.T. -0.04 min  
Lab File: BF106969.D  
Acq: 29 Jun 2018 13:32

Instrument :  
BNA\_F  
ClientSampleId :  
EME-FW-TS004-02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.1  | 19.2  | 28.8  |
| 265     | 21.9  | 17.5  | 26.3  |



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

