

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062718\  
 Data File : BF106881.D  
 Acq On : 27 Jun 2018 19:21  
 Operator : JU/SJ  
 Sample : J3242-05 5X  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 JC-02-062618-C

Quant Time: Jun 28 03:39:45 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 25 18:50:17 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.95  | 152  | 40567    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.24  | 136  | 160627   | 20.00 | ng    | -0.01    |
| 38) Acenaphthene-d10        | 10.00 | 164  | 79472    | 20.00 | ng    | -0.01    |
| 63) Phenanthrene-d10        | 11.49 | 188  | 138067   | 20.00 | ng    | -0.01    |
| 75) Chrysene-d12            | 14.14 | 240  | 138789   | 20.00 | ng    | -0.02    |
| 86) Perylene-d12            | 15.68 | 264  | 120806   | 20.00 | ng    | -0.04    |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.58  | 112  | 51323    | 21.42 | ng    | -0.02    |
| 7) Phenol-d6                | 6.59  | 99   | 65186    | 21.79 | ng    | -0.02    |
| 23) Nitrobenzene-d5         | 7.51  | 82   | 38898    | 13.46 | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol    | 10.79 | 330  | 17993    | 19.53 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 9.31  | 172  | 81204    | 3.08  | ng    | -0.02    |
| 78) Terphenyl-d14           | 13.07 | 244  | 87483    | 15.27 | ng    | -0.01    |

Target Compounds Qvalue

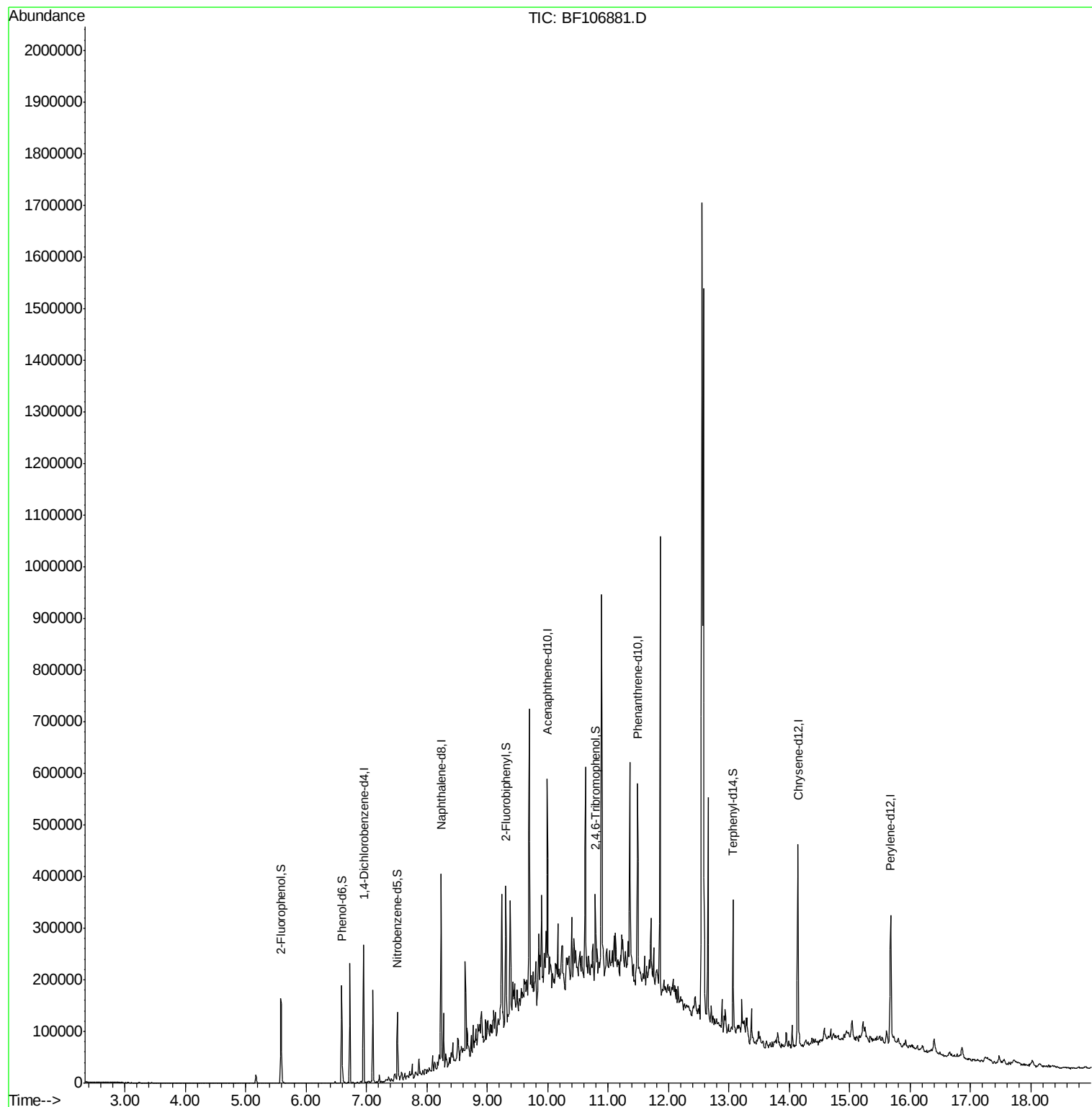
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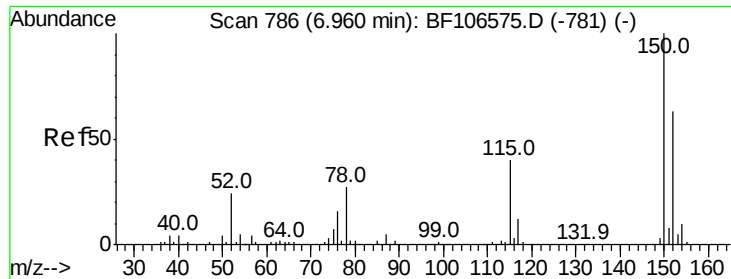
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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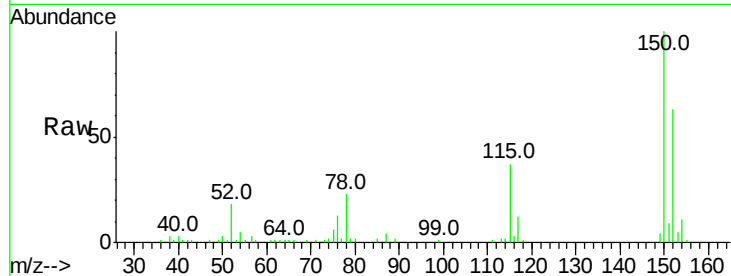


#1

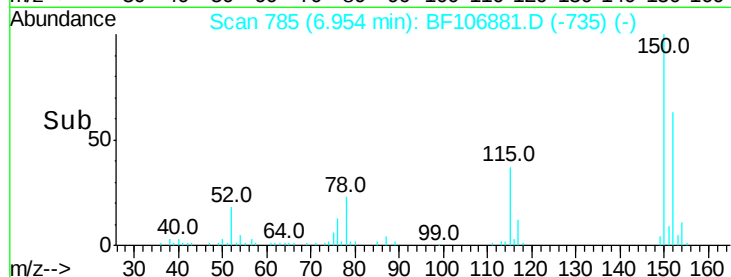
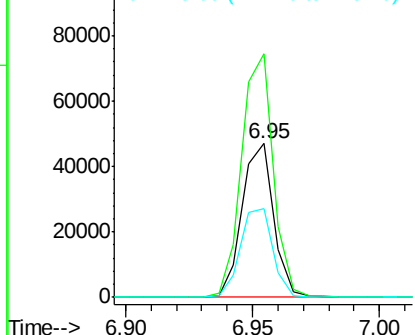
1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.95 min Scan# 785  
 Delta R.T. -0.01 min  
 Lab File: BF106881.D  
 Acq: 27 Jun 2018 19:21

Instrument :  
 BNA\_F  
 ClientSampleId :  
 JC-02-062618-C

Tot Ion:152 Resp: 40567  
 Ion Ratio Lower Upper  
 152 100  
 150 158.5 124.6 186.8  
 115 58.1 50.1 75.1



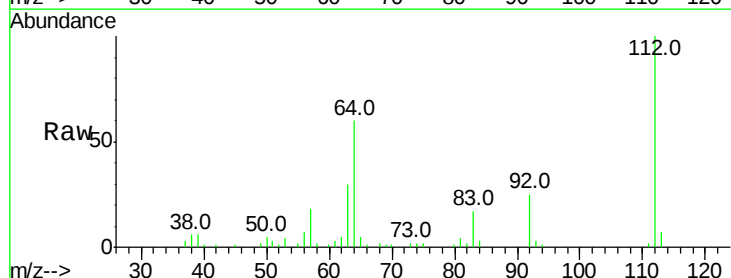
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



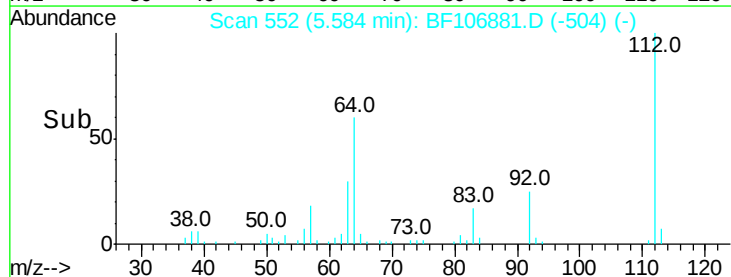
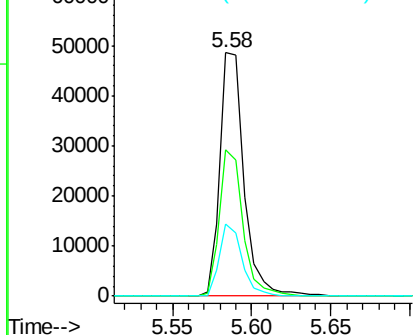
#5

2-Fluorophenol  
 Concen: 21.423 ng  
 RT: 5.58 min Scan# 552  
 Delta R.T. -0.02 min  
 Lab File: BF106881.D  
 Acq: 27 Jun 2018 19:21

Tgt Ion:112 Resp: 51323  
 Ion Ratio Lower Upper  
 112 100  
 64 60.0 47.9 71.9  
 63 29.6 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: 21.788 ng

RT: 6.59 min Scan# 723

Delta R.T. -0.02 min

Lab File: BF106881.D

Acq: 27 Jun 2018 19:21

Instrument :

BNA\_F

ClientSampleId :

JC-02-062618-C

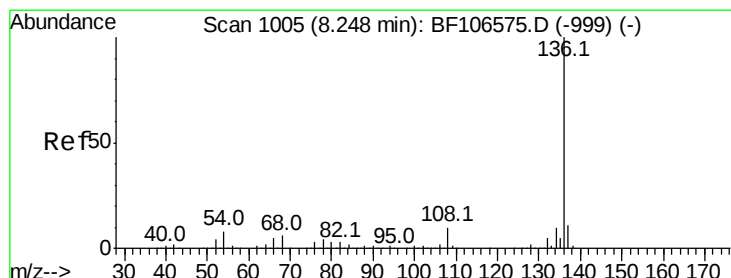
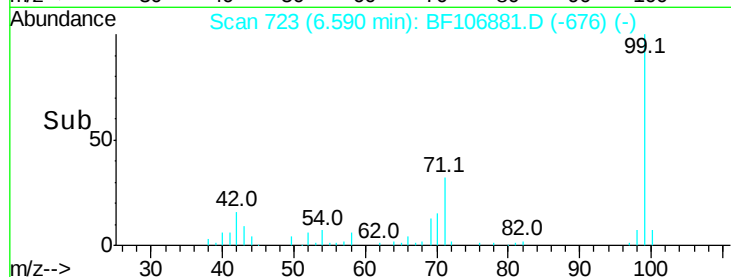
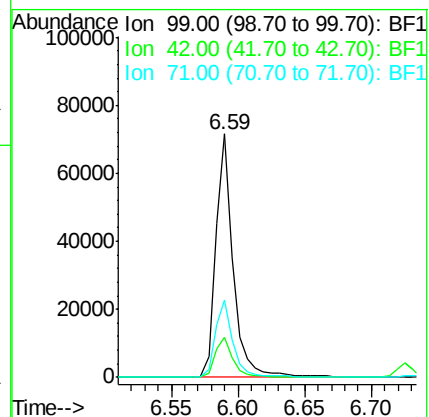
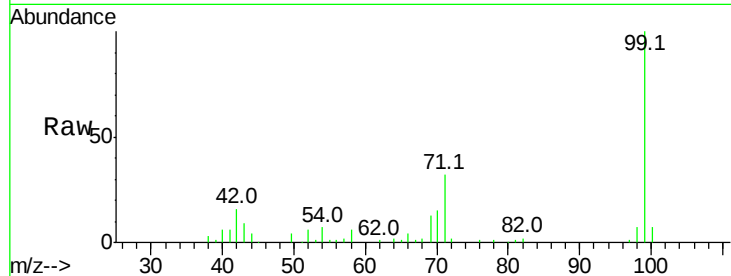
Tot Ion: 99 Resp: 65186

Ion Ratio Lower Upper

99 100

42 16.3 14.5 21.7

71 32.0 25.4 38.0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.24 min Scan# 1003

Delta R.T. -0.01 min

Lab File: BF106881.D

Acq: 27 Jun 2018 19:21

Tgt Ion: 136 Resp: 160627

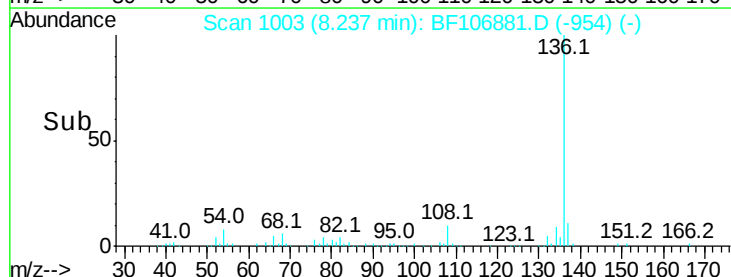
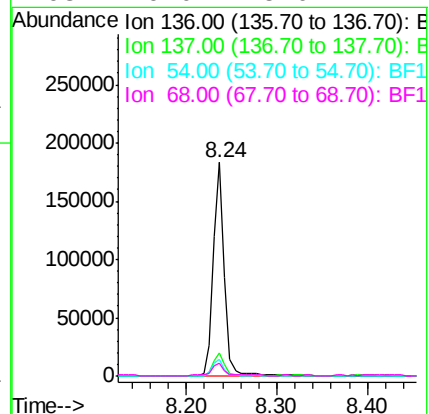
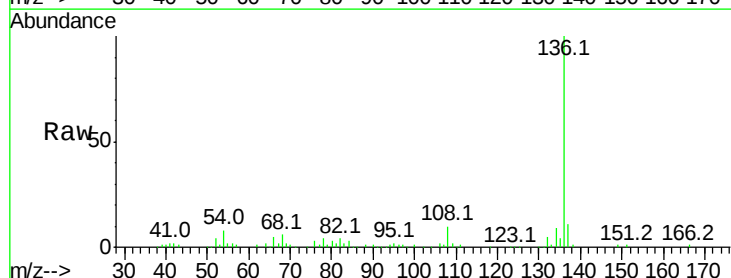
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 8.0 6.6 9.8

68 6.0 5.0 7.4

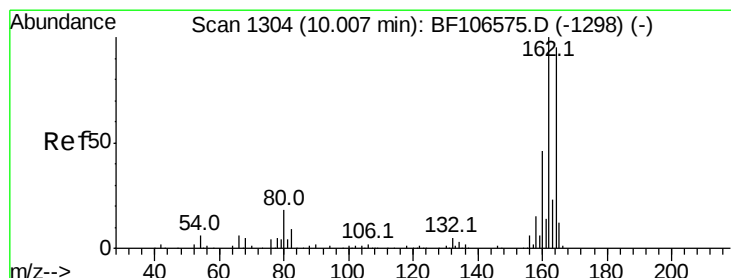
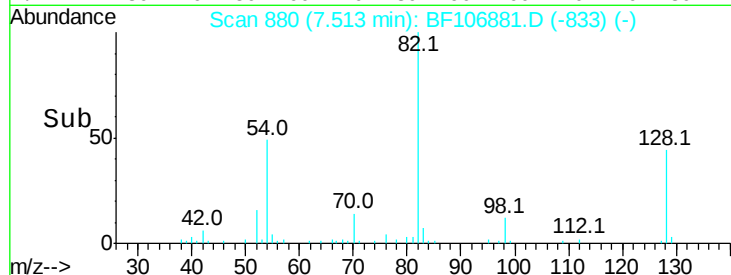
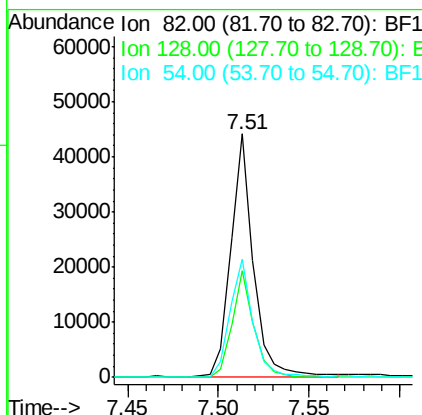
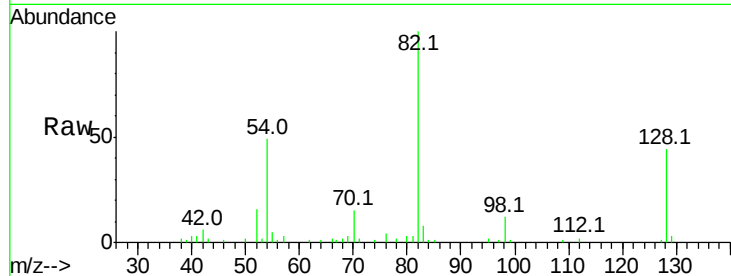




#23  
 Nitrobenzene-d5  
 Concen: 13.458 ng  
 RT: 7.51 min Scan# 880  
 Delta R.T. -0.02 min  
 Lab File: BF106881.D  
 Acq: 27 Jun 2018 19:21

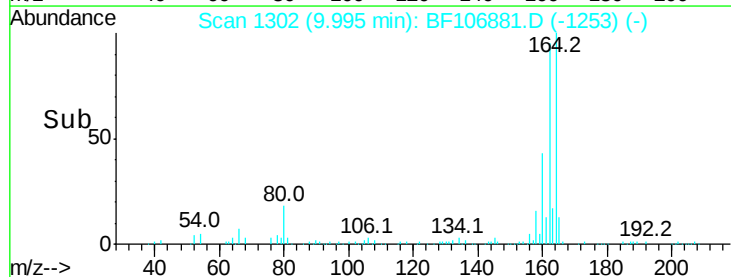
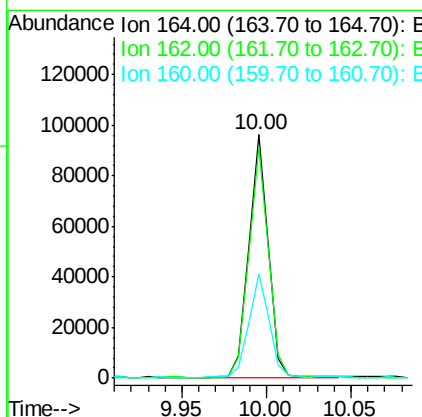
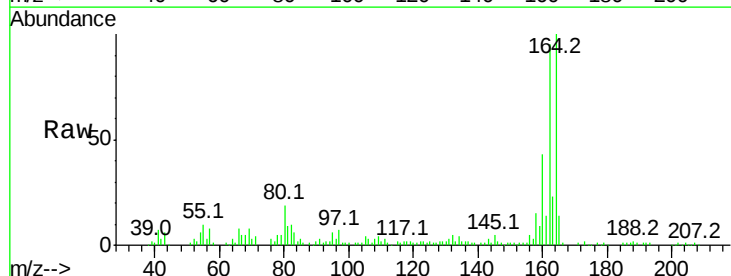
Instrument :  
 BNA\_F  
 ClientSampleId :  
 JC-02-062618-C

| Tot Ion   | 82    | Resp  | 38898 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 82        | 100   |       |       |
| 128       | 44.0  | 36.1  | 54.1  |
| 54        | 48.5  | 41.4  | 62.2  |



#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 10.00 min Scan# 1302  
 Delta R.T. -0.01 min  
 Lab File: BF106881.D  
 Acq: 27 Jun 2018 19:21

| Tgt Ion   | 164   | Resp  | 79472 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 164       | 100   |       |       |
| 162       | 94.6  | 86.1  | 129.1 |
| 160       | 42.8  | 38.3  | 57.5  |





#41

2,4,6-Tribromophenol

Concen: 19.534 ng

RT: 10.79 min Scan# 1437

Delta R.T. -0.01 min

Lab File: BF106881.D

Acq: 27 Jun 2018 19:21

Instrument :

BNA\_F

ClientSampleId :

JC-02-062618-C

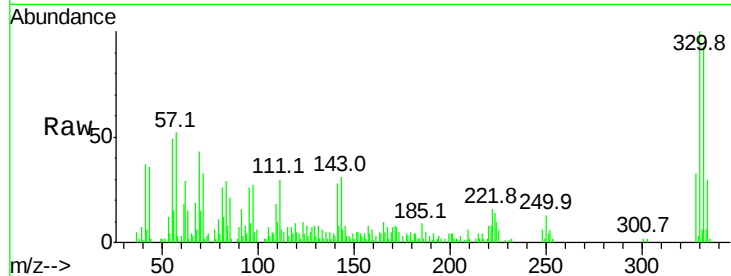
Tot Ion:330 Resp: 17993

Ion Ratio Lower Upper

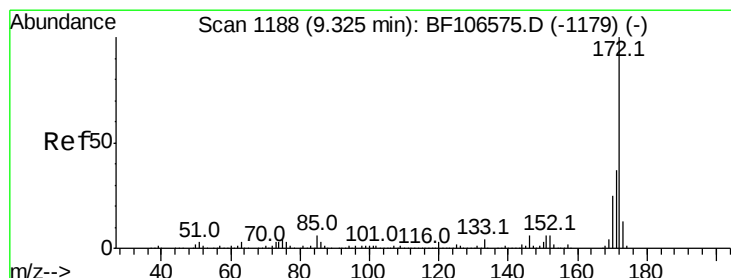
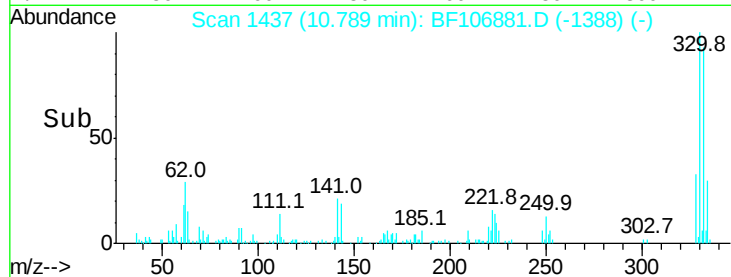
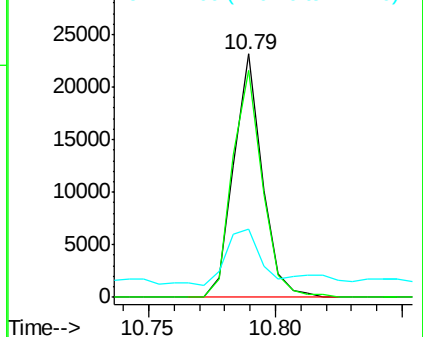
330 100

332 98.2 77.0 115.6

141 26.4 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: 3.078 ng

RT: 9.31 min Scan# 1185

Delta R.T. -0.02 min

Lab File: BF106881.D

Acq: 27 Jun 2018 19:21

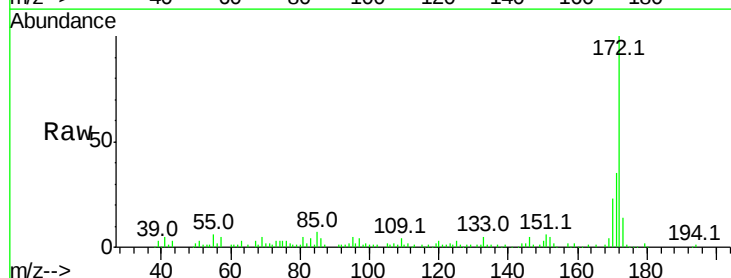
Tgt Ion:172 Resp: 81204

Ion Ratio Lower Upper

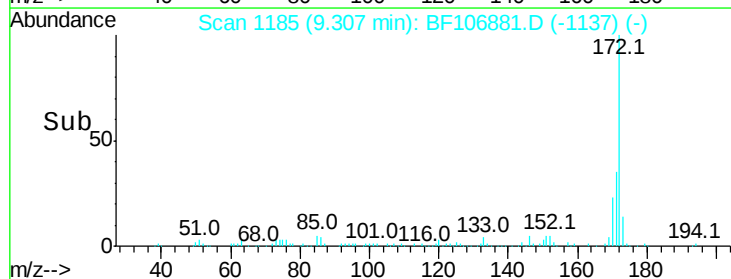
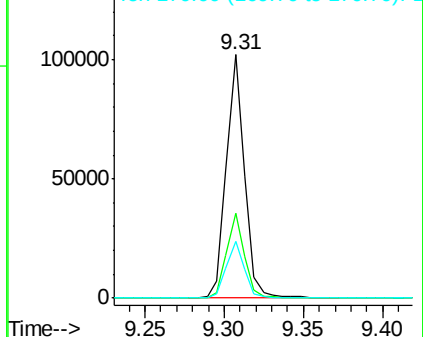
172 100

171 35.1 29.7 44.5

170 23.2 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

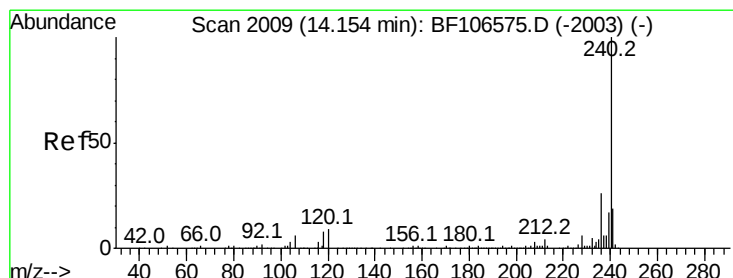
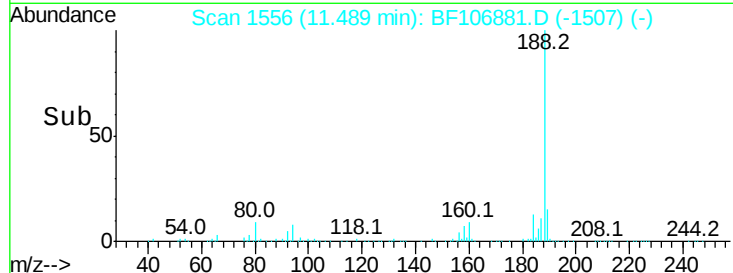
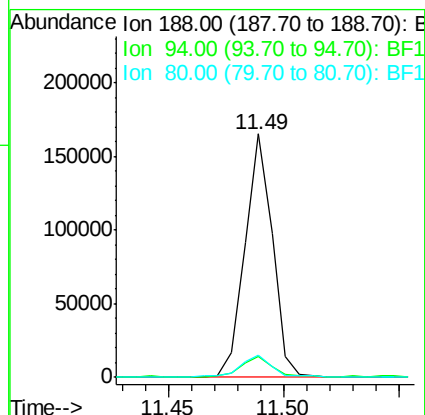
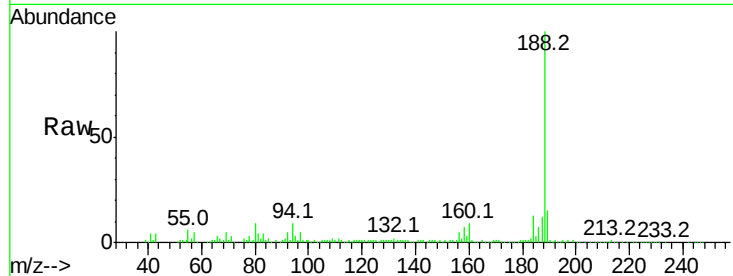




#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.49 min Scan# 1556  
Delta R.T. -0.01 min  
Lab File: BF106881.D  
Acq: 27 Jun 2018 19:21

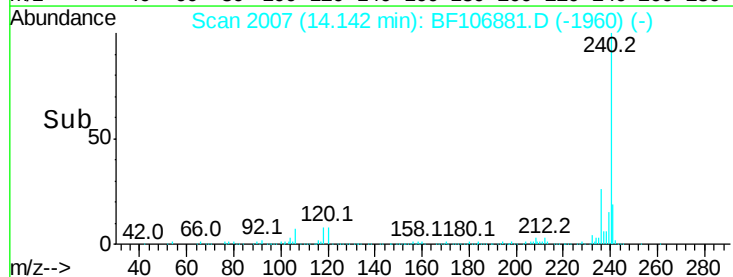
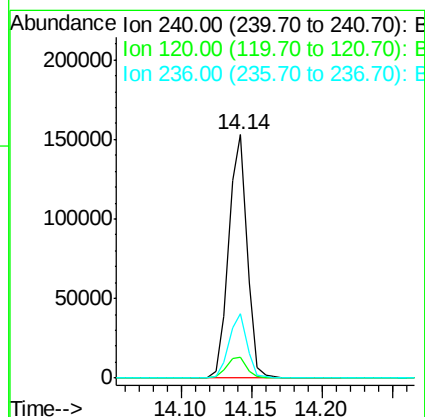
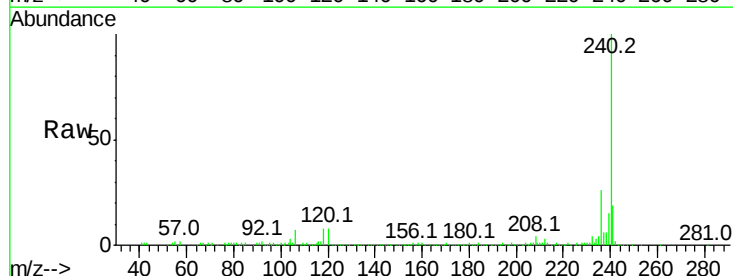
Instrument :  
BNA\_F  
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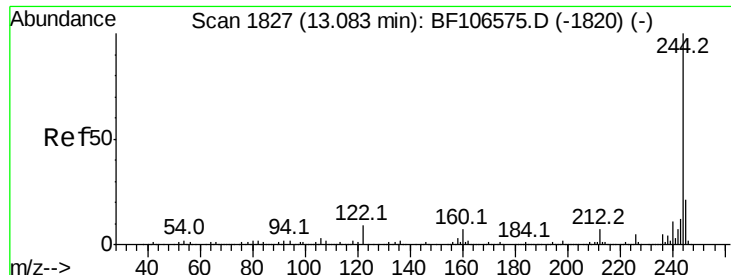
Tot Ion:188 Resp: 138067  
Ion Ratio Lower Upper  
188 100  
94 8.5 8.5 12.7  
80 9.3 9.2 13.8



#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.14 min Scan# 2007  
Delta R.T. -0.02 min  
Lab File: BF106881.D  
Acq: 27 Jun 2018 19:21

Tgt Ion:240 Resp: 138789  
Ion Ratio Lower Upper  
240 100  
120 8.5 9.5 14.3#  
236 26.2 20.7 31.1





#78

Terphenyl-d14

Concen: 15.268 ng

RT: 13.07 min Scan# 1825

Delta R.T. -0.01 min

Lab File: BF106881.D

Acq: 27 Jun 2018 19:21

Instrument :

BNA\_F

ClientSampleId :

JC-02-062618-C

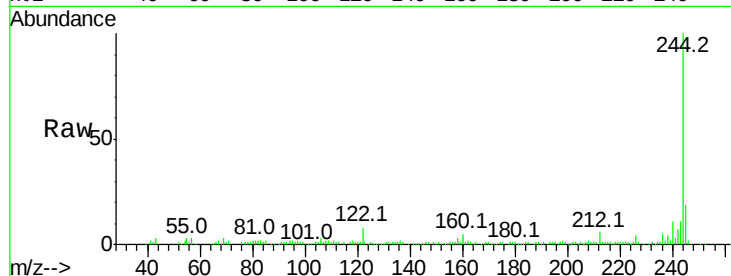
Tot Ion:244 Resp: 87483

Ion Ratio Lower Upper

244 100

212 6.2 5.4 8.0

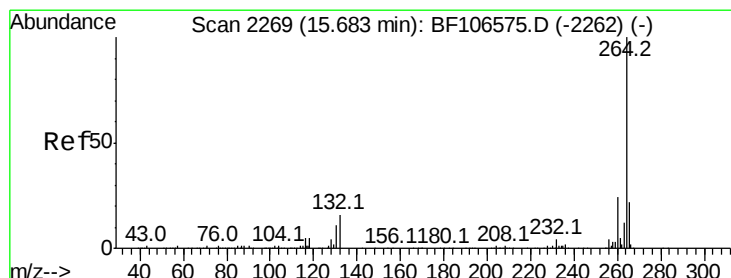
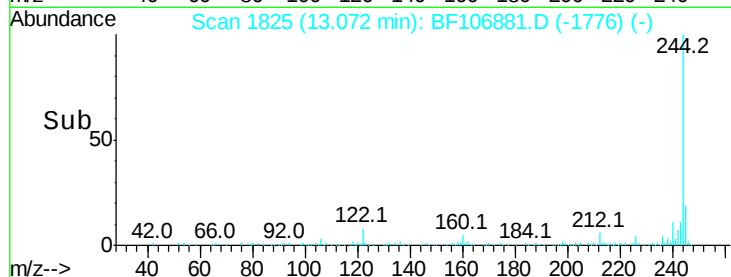
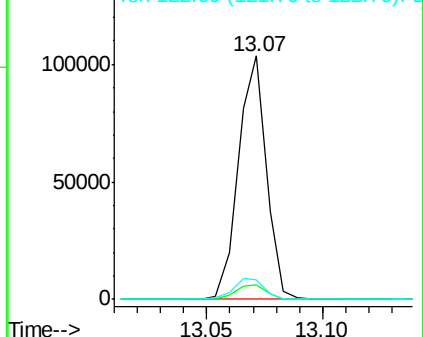
122 8.1 11.0 16.4#



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

Perylene-d12

Concen: 20.000 ng

RT: 15.68 min Scan# 2268

Delta R.T. -0.04 min

Lab File: BF106881.D

Acq: 27 Jun 2018 19:21

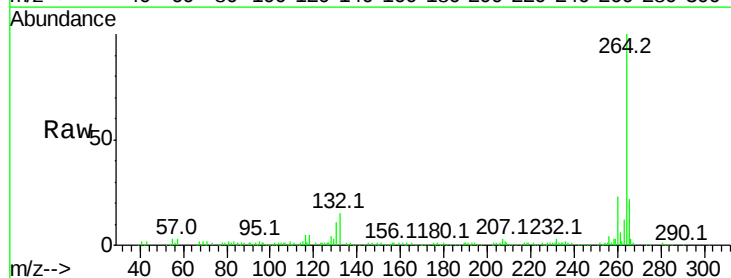
Tgt Ion:264 Resp: 120806

Ion Ratio Lower Upper

264 100

260 23.3 19.2 28.8

265 22.4 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

