

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082318\  
 Data File : BF108451.D  
 Acq On : 24 Aug 2018 5:58  
 Operator : JU/SJ  
 Sample : J4582-02  
 Misc :  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 082018-DBRI-E-D-M

Quant Time: Aug 24 08:20:22 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Aug 22 11:01:45 2018  
 Response via : Initial Calibration

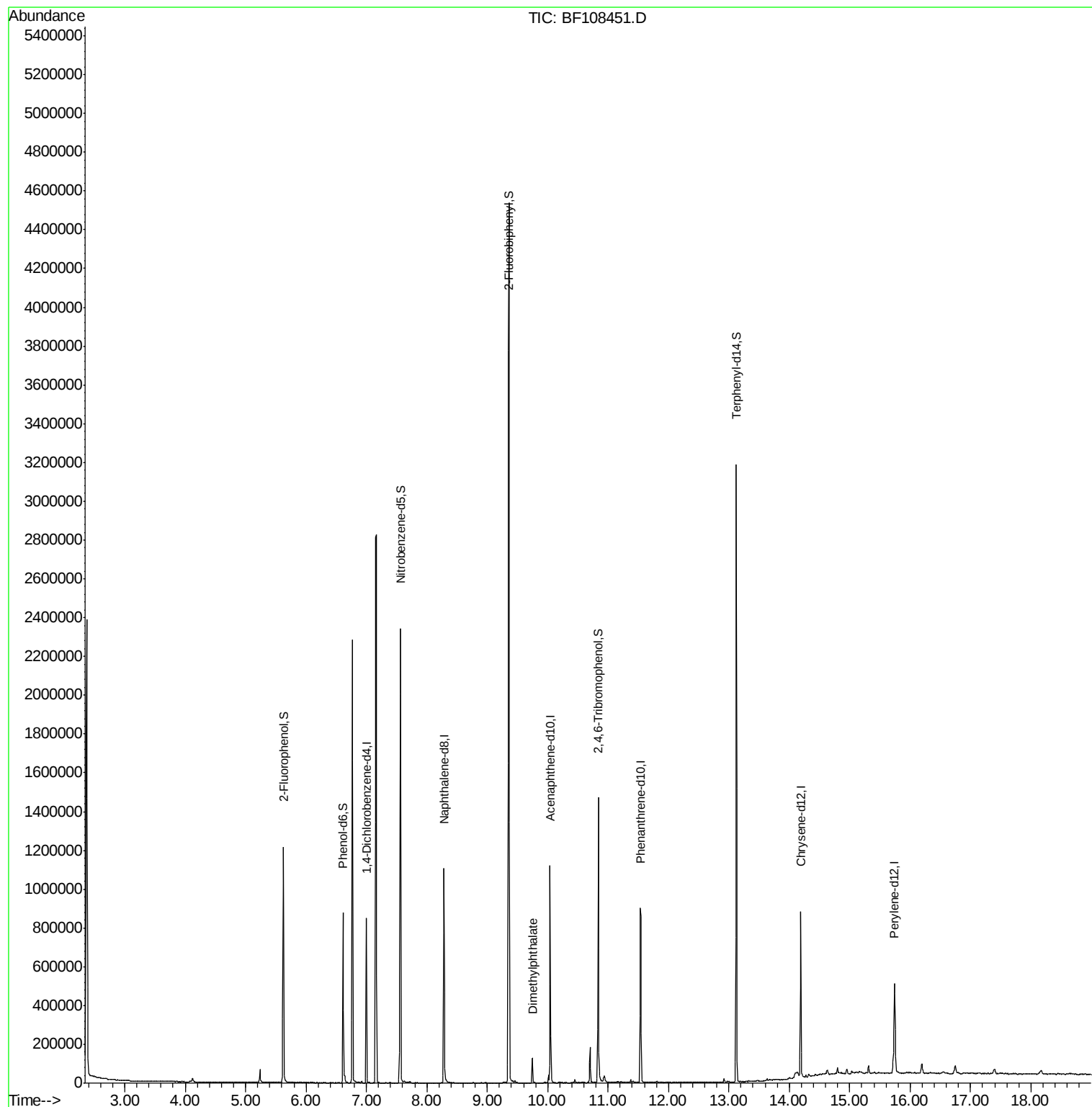
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)       |
|-----------------------------|-------|------|----------|--------|-------|----------------|
| 1) 1,4-Dichlorobenzene-d4   | 7.00  | 152  | 130662   | 20.00  | ng    | 0.00           |
| 21) Naphthalene-d8          | 8.28  | 136  | 480545   | 20.00  | ng    | 0.00           |
| 38) Acenaphthene-d10        | 10.04 | 164  | 221605   | 20.00  | ng    | -0.01          |
| 63) Phenanthrene-d10        | 11.54 | 188  | 358038   | 20.00  | ng    | -0.01          |
| 75) Chrysene-d12            | 14.19 | 240  | 279602   | 20.00  | ng    | -0.01          |
| 86) Perylene-d12            | 15.74 | 264  | 243443   | 20.00  | ng    | -0.02          |
| System Monitoring Compounds |       |      |          |        |       |                |
| 5) 2-Fluorophenol           | 5.62  | 112  | 299644   | 41.52  | ng    | 0.00           |
| 7) Phenol-d6                | 6.61  | 99   | 254097   | 26.49  | ng    | -0.02          |
| 23) Nitrobenzene-d5         | 7.57  | 82   | 801619   | 93.08  | ng    | 0.00           |
| 41) 2,4,6-Tribromophenol    | 10.84 | 330  | 175495   | 79.39  | ng    | -0.01          |
| 44) 2-Fluorobiphenyl        | 9.36  | 172  | 1455689  | 105.46 | ng    | 0.00           |
| 78) Terphenyl-d14           | 13.12 | 244  | 1051076  | 95.58  | ng    | 0.00           |
| Target Compounds            |       |      |          |        |       |                |
| 49) Dimethylphthalate       | 9.75  | 163  | 60814    | 3.940  | ng    | Qvalue<br># 99 |

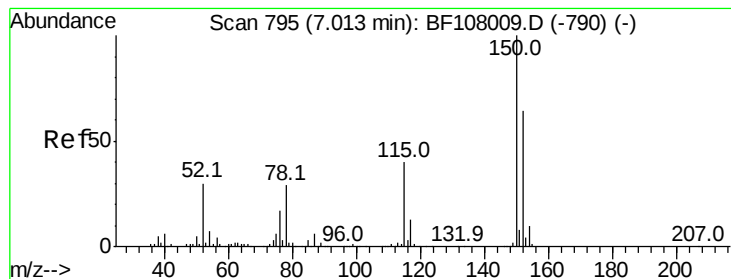
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :  
ALS Vial : 27 Sample Multiplier: 1

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BNA\_F  
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Quant Time: Aug 24 08:20:22 2018  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M  
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QLast Update : Wed Aug 22 11:01:45 2018  
Response via : Initial Calibration



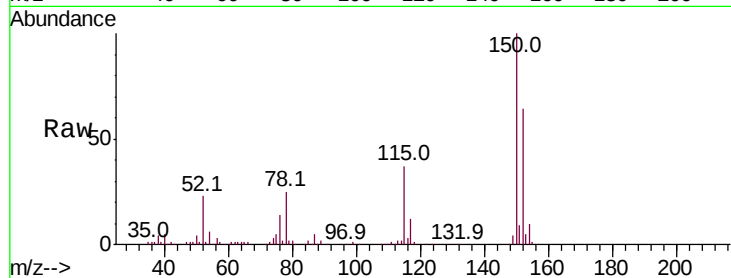


#1

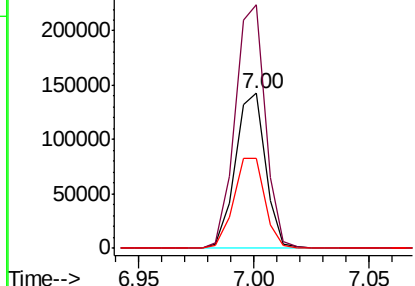
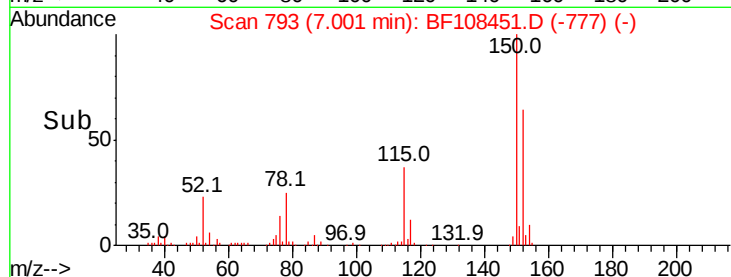
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.00 min Scan# 793  
Delta R.T. -0.01 min  
Lab File: BF108451.D  
Acq: 24 Aug 2018 5:58

Instrument :  
BNA\_F  
ClientSampleId :  
082018-DBRI-E-D-M

Tot Ion:152 Resp: 130662  
Ion Ratio Lower Upper  
152 100  
150 157.0 124.6 186.8  
115 57.9 50.1 75.1



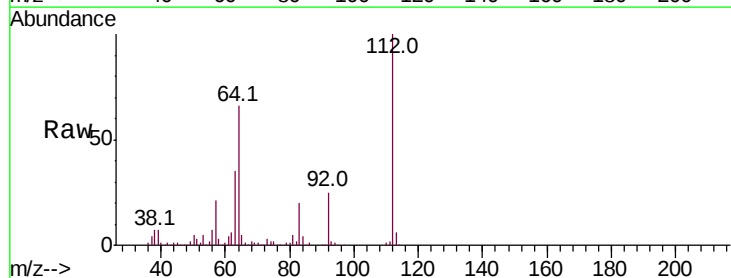
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



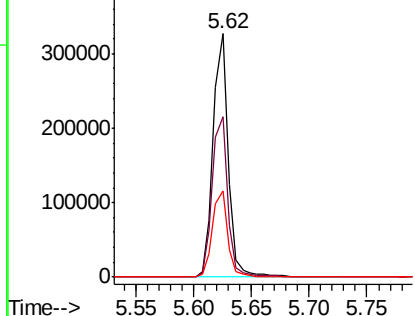
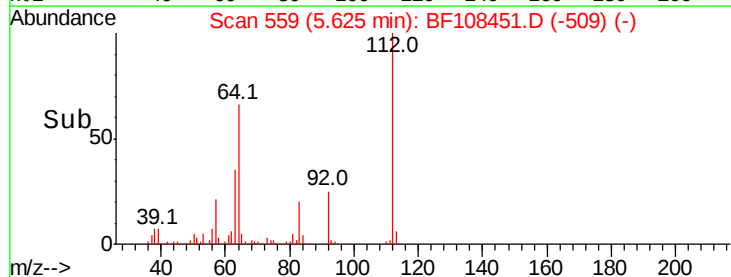
#5

2-Fluorophenol  
Concen: 41.519 ng  
RT: 5.62 min Scan# 559  
Delta R.T. -0.01 min  
Lab File: BF108451.D  
Acq: 24 Aug 2018 5:58

Tgt Ion:112 Resp: 299644  
Ion Ratio Lower Upper  
112 100  
64 65.7 47.9 71.9  
63 35.1 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: 26.495 ng

RT: 6.61 min Scan# 727

Delta R.T. -0.02 min

Lab File: BF108451.D

Acq: 24 Aug 2018 5:58

Instrument :

BNA\_F

ClientSampleId :

082018-DBRI-E-D-M

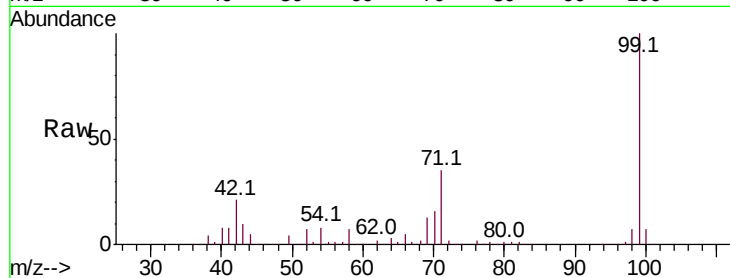
Tot Ion: 99 Resp: 254097

Ion Ratio Lower Upper

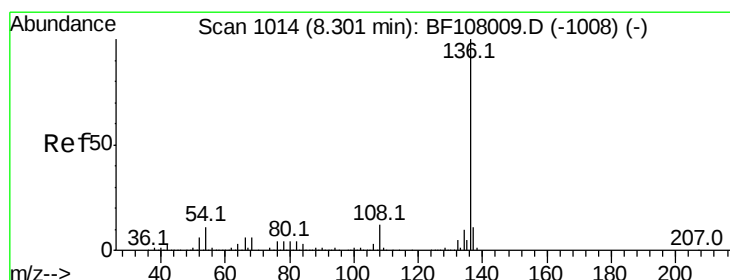
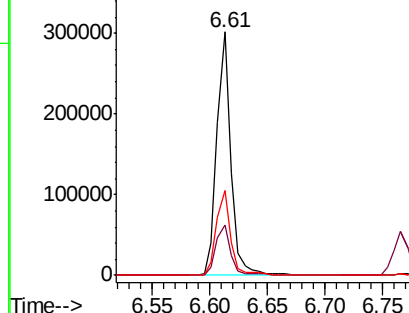
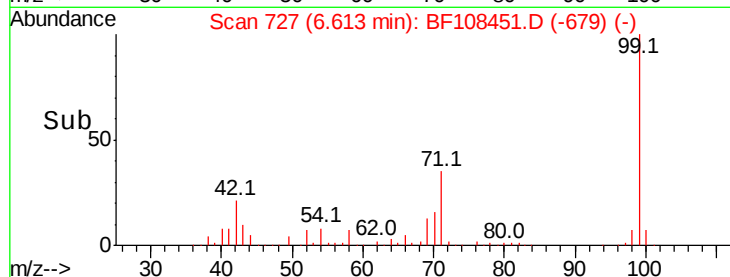
99 100

42 20.9 14.5 21.7

71 34.8 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: 8.28 min Scan# 1011

Delta R.T. -0.01 min

Lab File: BF108451.D

Acq: 24 Aug 2018 5:58

Tgt Ion: 136 Resp: 480545

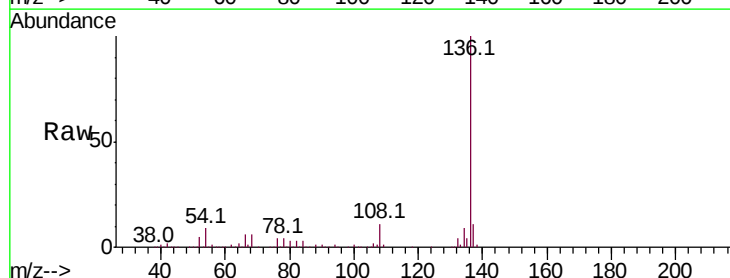
Ion Ratio Lower Upper

136 100

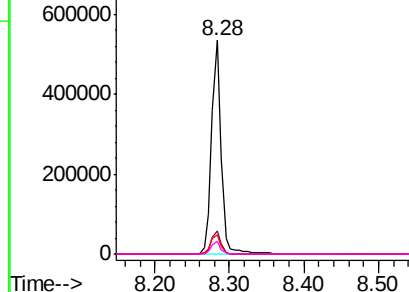
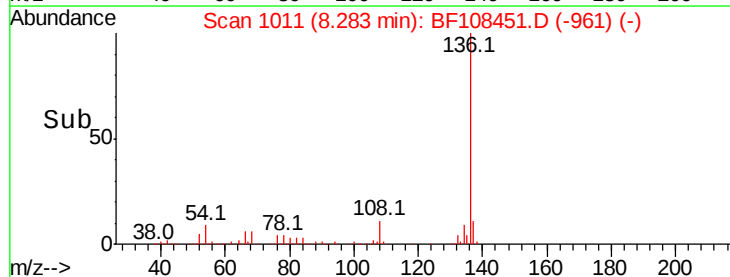
137 10.9 8.9 13.3

54 9.2 6.6 9.8

68 5.9 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

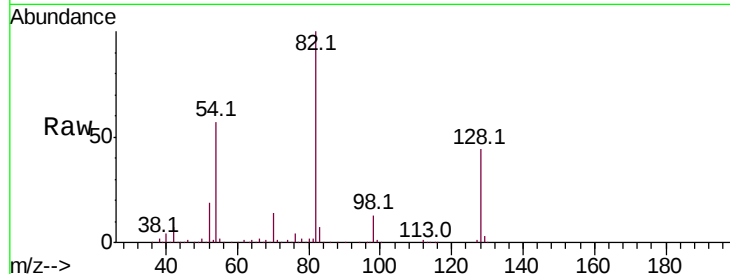




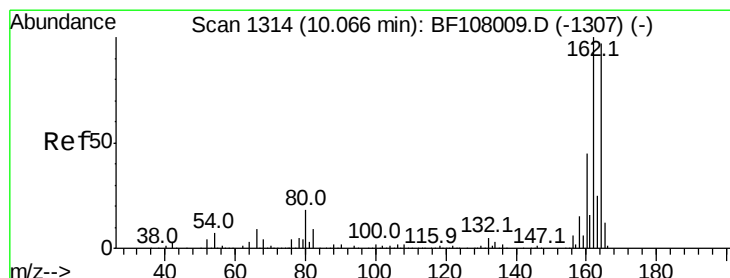
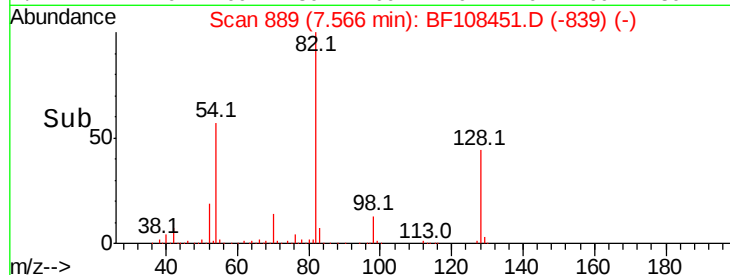
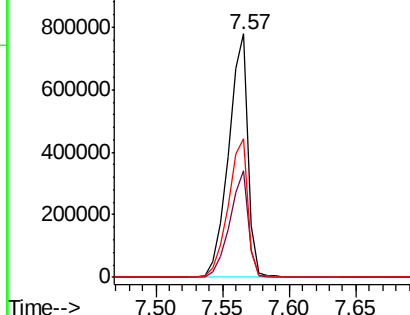
#23  
Nitrobenzene-d5  
Concen: 93.085 ng  
RT: 7.57 min Scan# 889  
Delta R.T. -0.01 min  
Lab File: BF108451.D  
Acq: 24 Aug 2018 5:58

Instrument :  
BNA\_F  
ClientSampleId :  
082018-DBRI-E-D-M

Tot Ion: 82 Resp: 801619  
Ion Ratio Lower Upper  
82 100  
128 43.8 36.1 54.1  
54 56.8 41.4 62.2

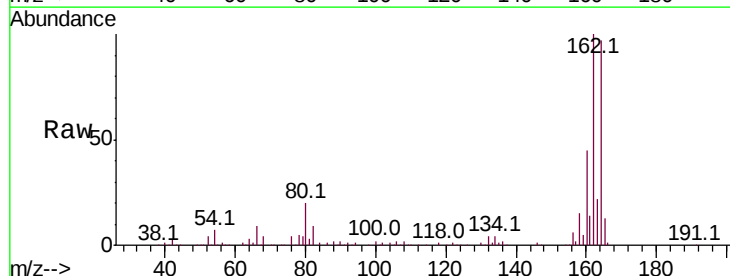


Abundance Ion 82.00 (81.70 to 82.70): BF1  
Ion 128.00 (127.70 to 128.70): E  
Ion 54.00 (53.70 to 54.70): BF1

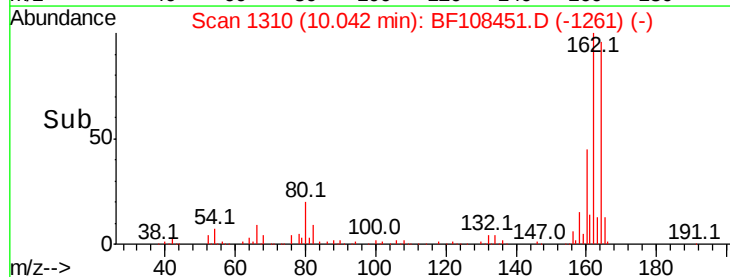
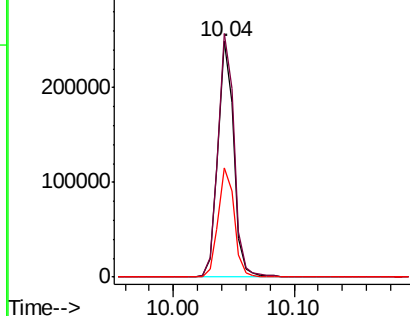


#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 10.04 min Scan# 1310  
Delta R.T. -0.01 min  
Lab File: BF108451.D  
Acq: 24 Aug 2018 5:58

Tgt Ion: 164 Resp: 221605  
Ion Ratio Lower Upper  
164 100  
162 103.3 86.1 129.1  
160 46.2 38.3 57.5



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

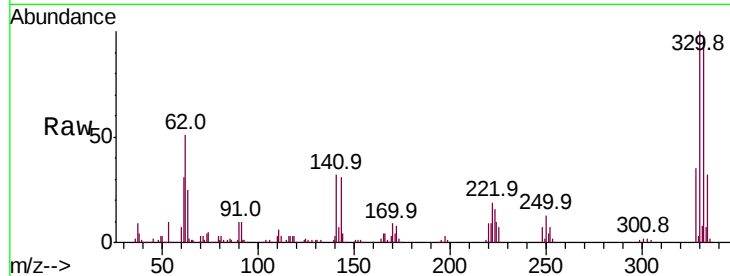




#41  
 2,4,6-Tribromophenol  
 Concen: 79.393 ng  
 RT: 10.84 min Scan# 1445  
 Delta R.T. -0.01 min  
 Lab File: BF108451.D  
 Acq: 24 Aug 2018 5:58

Instrument :  
 BNA\_F  
 ClientSampleId :  
 082018-DBRI-E-D-M

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 94.6  | 77.0  | 115.6 |
| 141     | 32.2  | 29.9  | 44.9  |

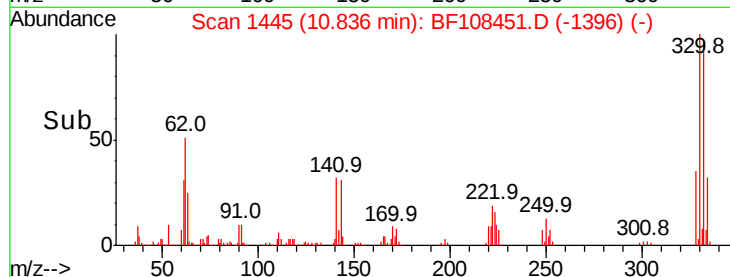
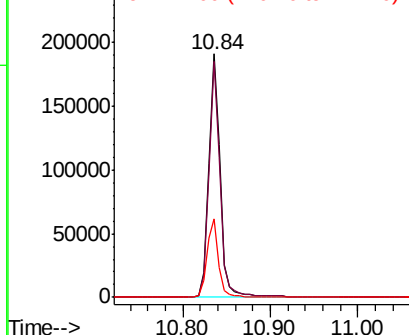


Abundance

Ion 329.80 (329.50 to 330.50): E

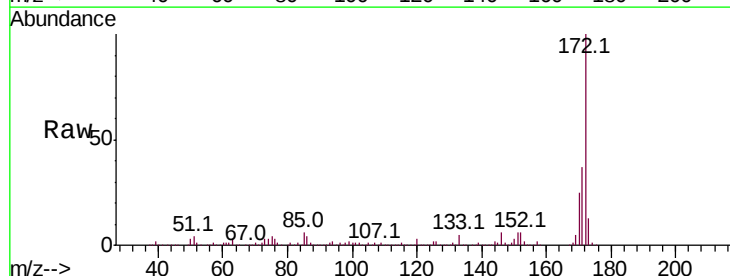
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44  
 2-Fluorobiphenyl  
 Concen: 105.461 ng  
 RT: 9.36 min Scan# 1194  
 Delta R.T. -0.01 min  
 Lab File: BF108451.D  
 Acq: 24 Aug 2018 5:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 37.3  | 29.7  | 44.5  |
| 170     | 25.0  | 19.6  | 29.4  |

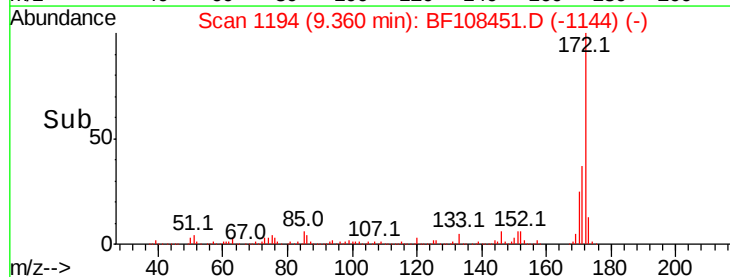
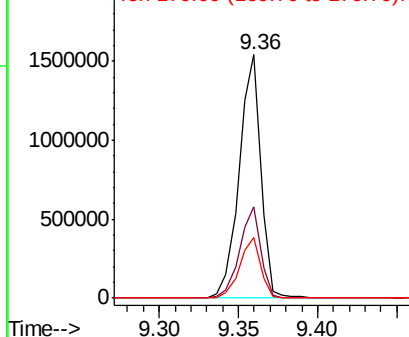


Abundance

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

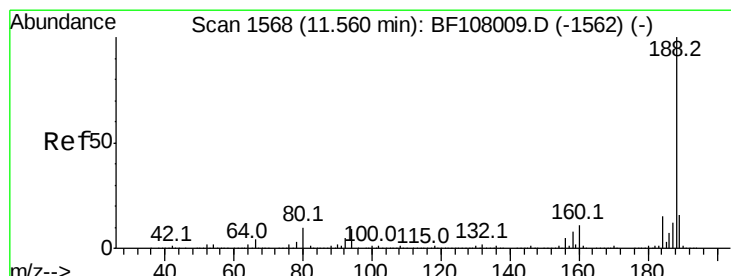
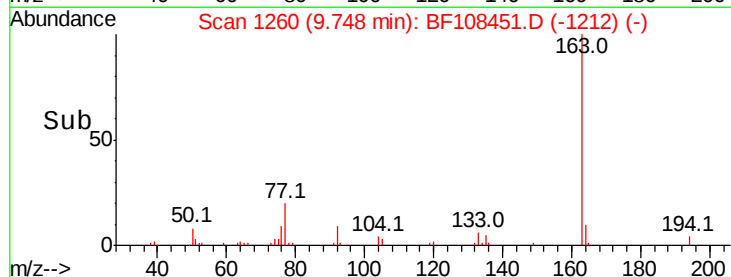
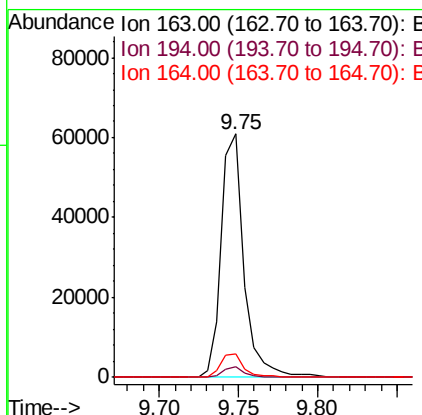
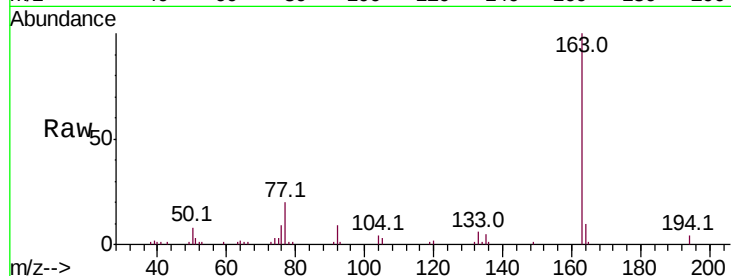




#49  
Dimethylphthalate  
Concen: 3.940 ng  
RT: 9.75 min Scan# 1260  
Delta R.T. -0.02 min  
Lab File: BF108451.D  
Acq: 24 Aug 2018 5:58

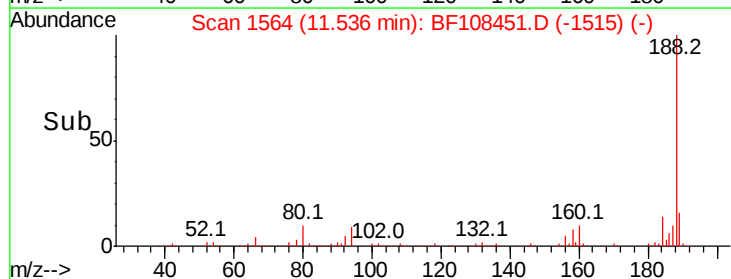
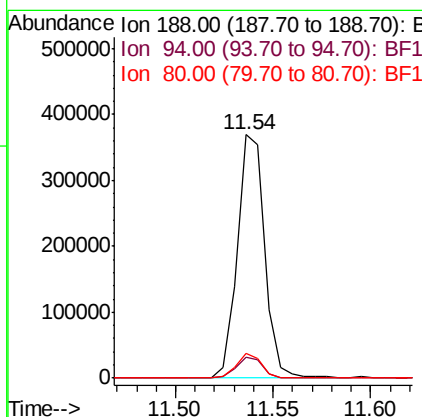
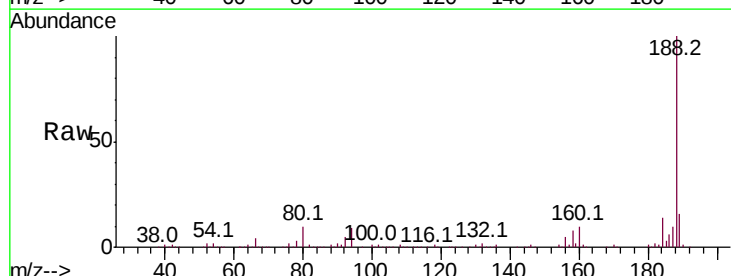
Instrument :  
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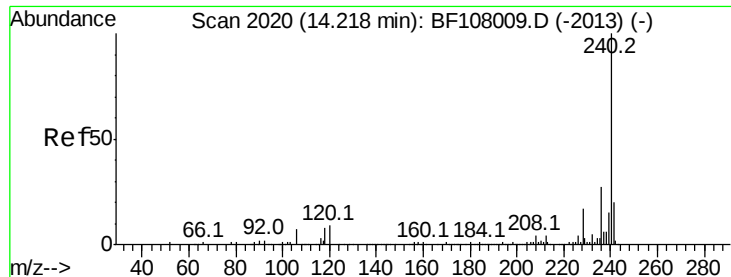
Tot Ion:163 Resp: 60814  
Ion Ratio Lower Upper  
163 100  
194 4.1 2.7 4.1#  
164 9.9 8.2 12.2



#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.54 min Scan# 1564  
Delta R.T. -0.01 min  
Lab File: BF108451.D  
Acq: 24 Aug 2018 5:58

Tgt Ion:188 Resp: 358038  
Ion Ratio Lower Upper  
188 100  
94 8.7 8.5 12.7  
80 10.0 9.2 13.8





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.19 min Scan# 2015

Delta R.T. -0.01 min

Lab File: BF108451.D

Acq: 24 Aug 2018 5:58

Instrument :

BNA\_F

ClientSampleId :

082018-DBRI-E-D-M

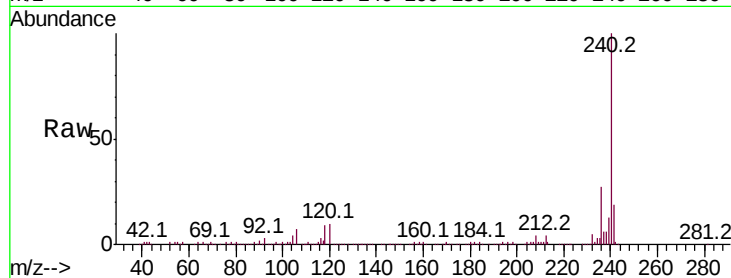
Tot Ion:240 Resp: 279602

Ion Ratio Lower Upper

240 100

120 9.8 9.5 14.3

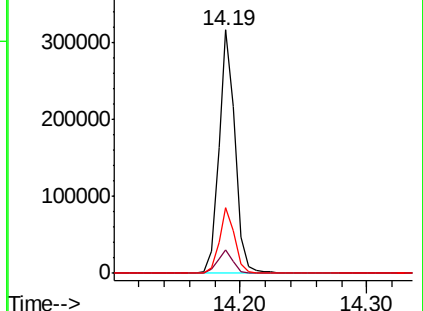
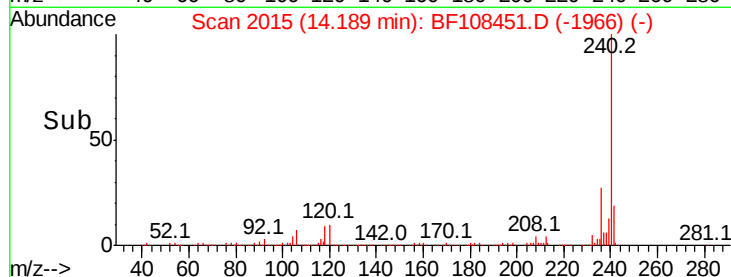
236 26.9 20.7 31.1



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: 95.580 ng

RT: 13.12 min Scan# 1834

Delta R.T. -0.01 min

Lab File: BF108451.D

Acq: 24 Aug 2018 5:58

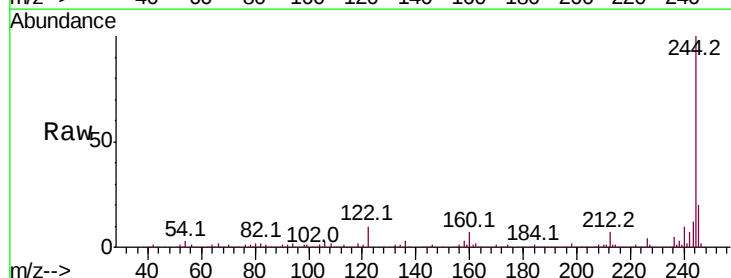
Tgt Ion:244 Resp: 1051076

Ion Ratio Lower Upper

244 100

212 7.3 5.4 8.0

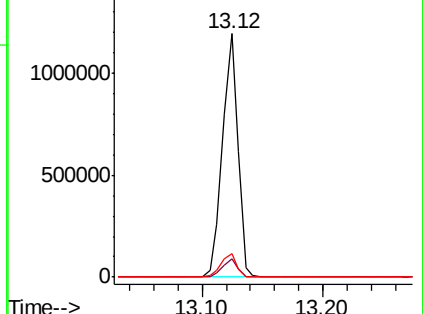
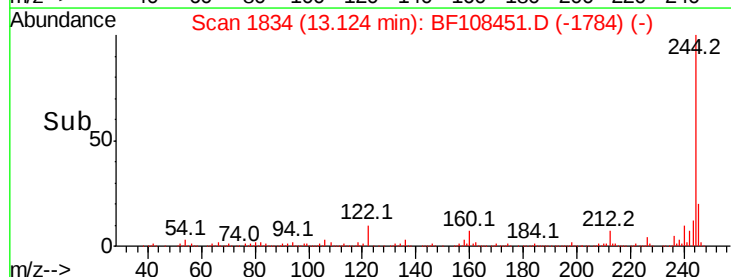
122 9.8 11.0 16.4#

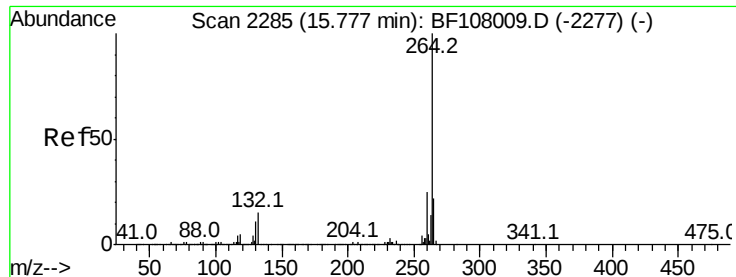


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

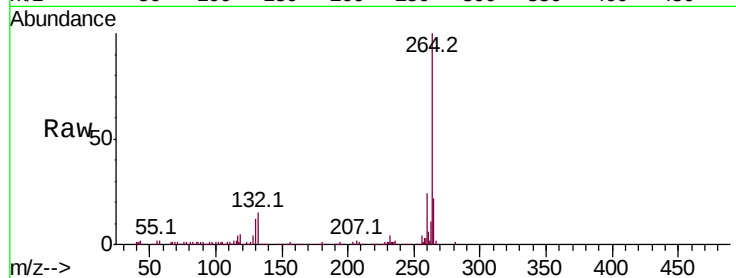




#86  
Pervlene-d12  
Concen: 20.000 ng  
RT: 15.74 min Scan# 2279  
Delta R.T. -0.02 min  
Lab File: BF108451.D  
Acq: 24 Aug 2018 5:58

Instrument :  
BNA\_F  
ClientSampleId :  
082018-DBRI-E-D-M

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.1  | 19.2  | 28.8  |
| 265     | 21.6  | 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

