

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020918\  
 Data File : BF102878.D  
 Acq On : 9 Feb 2018 10:29  
 Operator : SJ/JU  
 Sample : J1491-01  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 1-1-4-DENSE-GRADE-AGG-RCA

Quant Time: Feb 09 14:05:00 2018  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Feb 09 04:15:12 2018  
 Response via : Initial Calibration

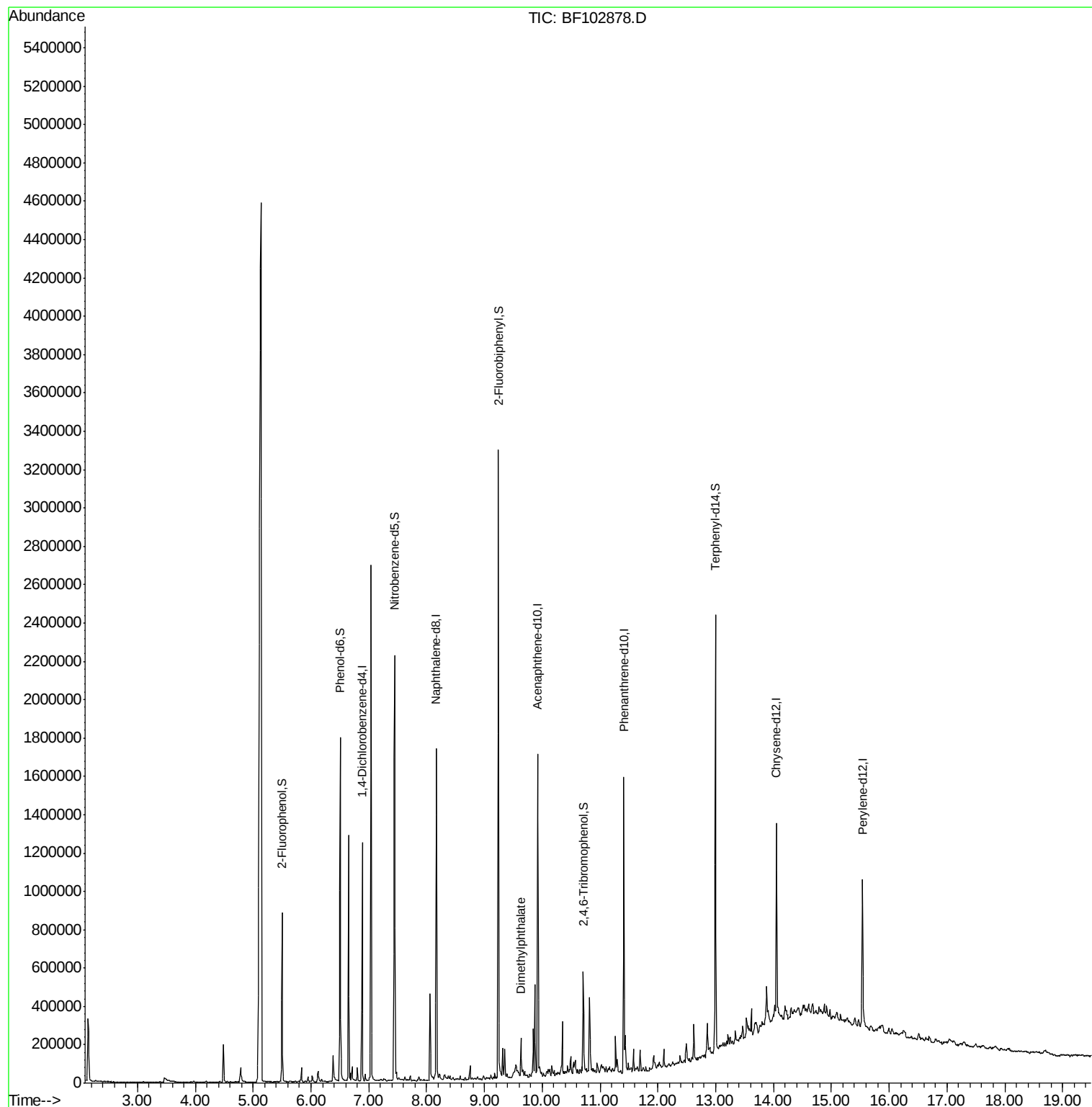
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min)      |
|-----------------------------|-------|------|----------|-------|-------|---------------|
| 1) 1,4-Dichlorobenzene-d4   | 6.89  | 152  | 170754   | 20.00 | ng    | 0.00          |
| 21) Naphthalene-d8          | 8.17  | 136  | 718569   | 20.00 | ng    | 0.00          |
| 38) Acenaphthene-d10        | 9.92  | 164  | 326858   | 20.00 | ng    | 0.00          |
| 63) Phenanthrene-d10        | 11.41 | 188  | 551633   | 20.00 | ng    | 0.00          |
| 75) Chrysene-d12            | 14.05 | 240  | 338275   | 20.00 | ng    | 0.00          |
| 86) Perylene-d12            | 15.54 | 264  | 348763   | 20.00 | ng    | 0.01          |
| System Monitoring Compounds |       |      |          |       |       |               |
| 5) 2-Fluorophenol           | 5.50  | 112  | 208085   | 18.51 | ng    | 0.00          |
| 7) Phenol-d6                | 6.50  | 99   | 553018   | 40.85 | ng    | 0.00          |
| 23) Nitrobenzene-d5         | 7.45  | 82   | 632907   | 61.10 | ng    | 0.00          |
| 41) 2,4,6-Tribromophenol    | 10.71 | 330  | 46045    | 17.50 | ng    | 0.00          |
| 44) 2-Fluorobiphenyl        | 9.24  | 172  | 955876   | 48.53 | ng    | 0.00          |
| 78) Terphenyl-d14           | 13.00 | 244  | 760286   | 53.22 | ng    | 0.00          |
| Target Compounds            |       |      |          |       |       |               |
| 49) Dimethylphthalate       | 9.63  | 163  | 57381    | 2.251 | ng    | Qvalue<br>100 |

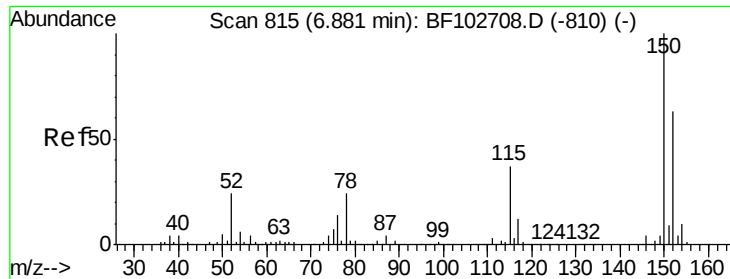
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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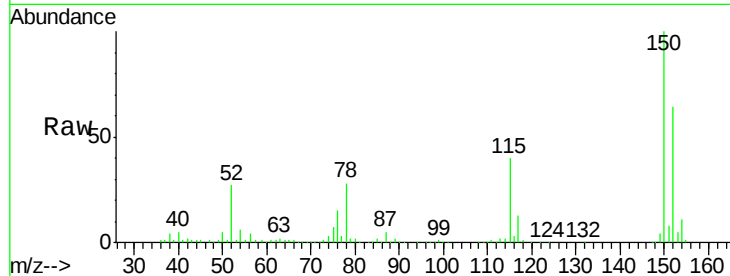


#1

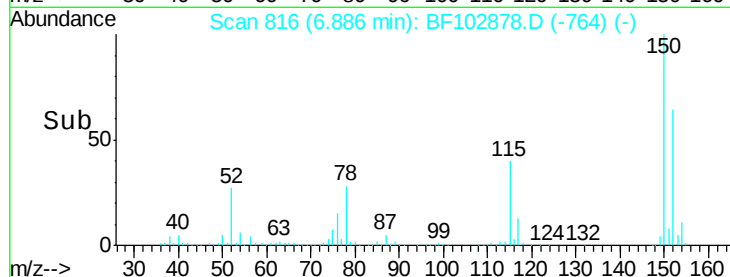
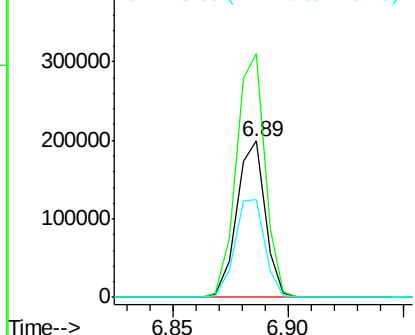
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.89 min Scan# 816  
Delta R.T. 0.01 min  
Lab File: BF102878.D  
Acq: 9 Feb 2018 10:29

Instrument :  
BNA\_F  
ClientSampleId :  
1-1-4-DENSE-GRADE-AGG-RCA

Tot Ion:152 Resp: 170754  
Ion Ratio Lower Upper  
152 100  
150 155.8 124.6 186.8  
115 62.7 50.1 75.1



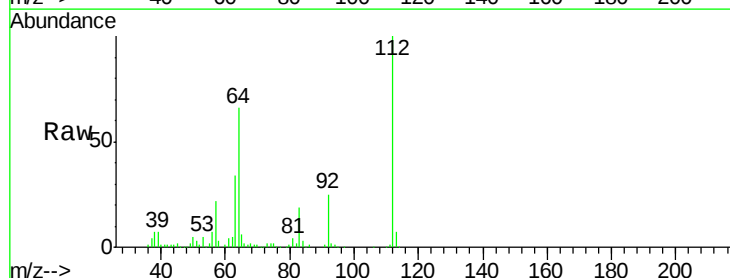
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



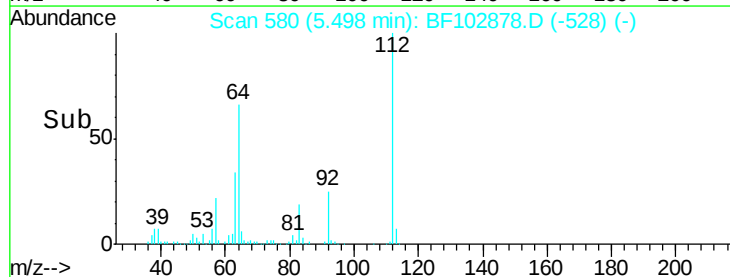
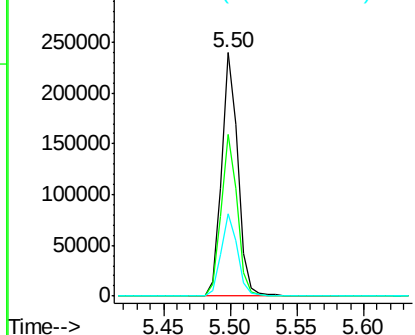
#5

2-Fluorophenol  
Concen: 18.507 ng  
RT: 5.50 min Scan# 580  
Delta R.T. 0.01 min  
Lab File: BF102878.D  
Acq: 9 Feb 2018 10:29

Tgt Ion:112 Resp: 208085  
Ion Ratio Lower Upper  
112 100  
64 66.4 47.9 71.9  
63 33.7 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: 40.849 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.00 min

Lab File: BF102878.D

Acq: 9 Feb 2018 10:29

Instrument :

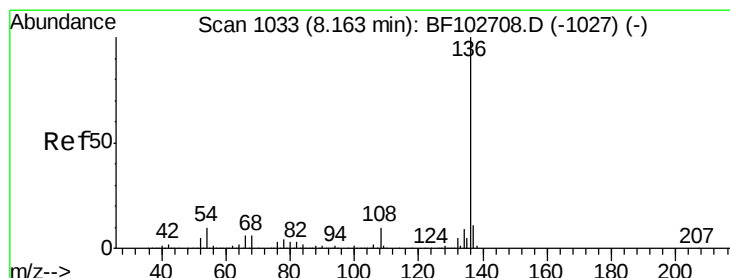
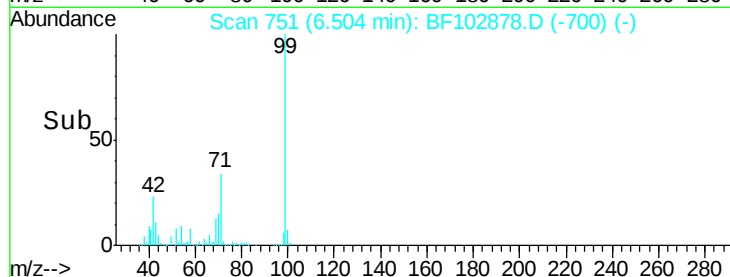
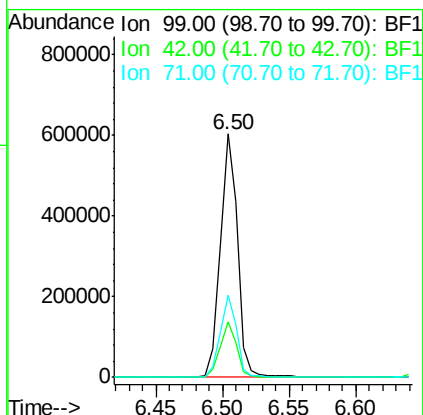
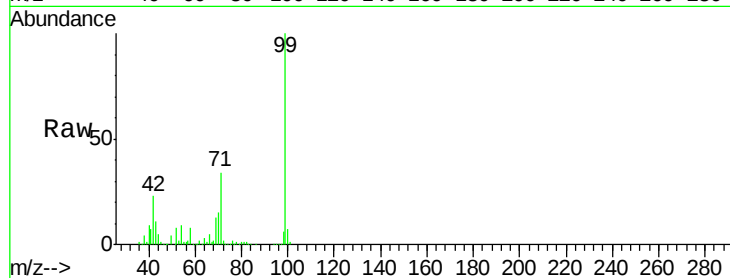
BNA\_F

ClientSampleId :

1-1-4-DENSE-GRADE-AGG-RCA

Tot Ion: 99 Resp: 553018

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 22.6  | 14.5  | 21.7# |
| 71  | 33.9  | 25.4  | 38.0  |



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.17 min Scan# 1034

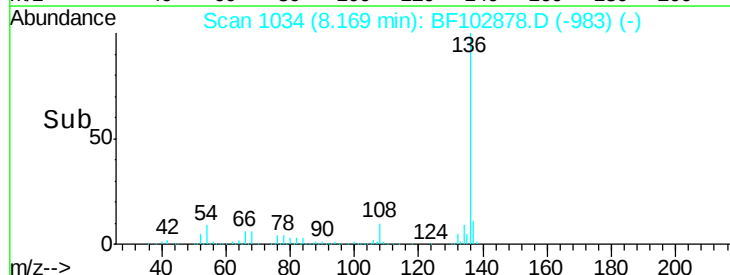
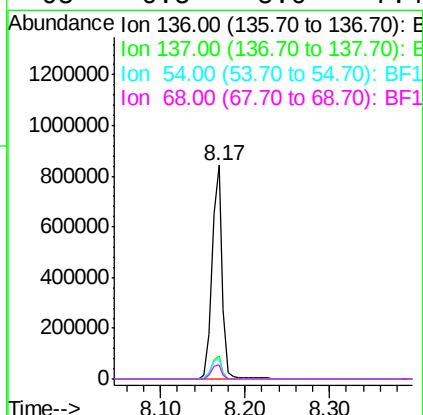
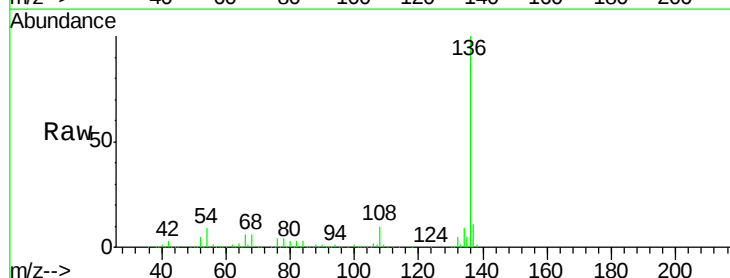
Delta R.T. -0.00 min

Lab File: BF102878.D

Acq: 9 Feb 2018 10:29

Tgt Ion: 136 Resp: 718569

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 10.7  | 8.9   | 13.3  |
| 54  | 9.3   | 6.6   | 9.8   |
| 68  | 6.5   | 5.0   | 7.4   |

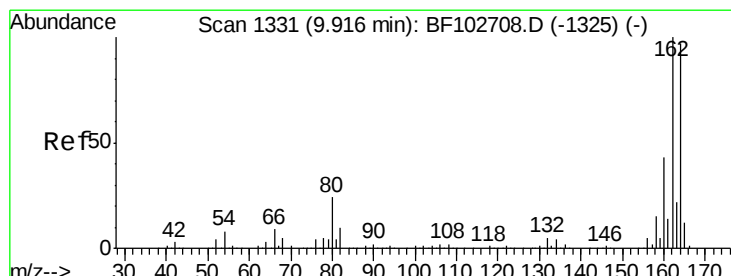
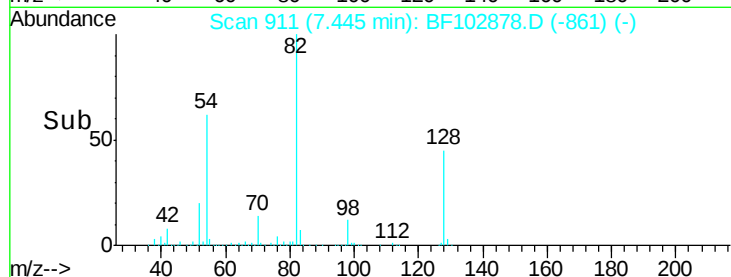
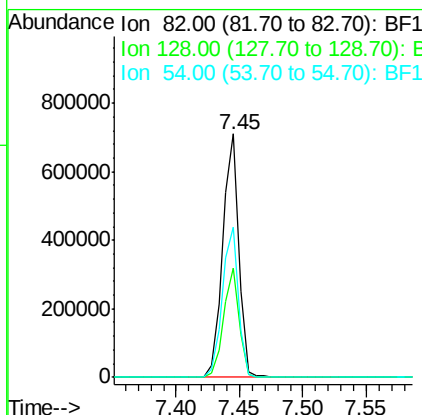
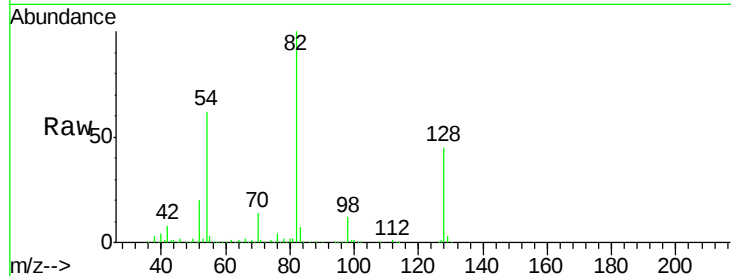




#23  
 Nitrobenzene-d5  
 Concen: 61.101 ng  
 RT: 7.45 min Scan# 911  
 Delta R.T. -0.01 min  
 Lab File: BF102878.D  
 Acq: 9 Feb 2018 10:29

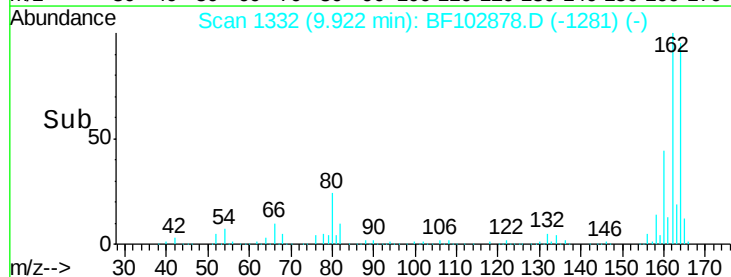
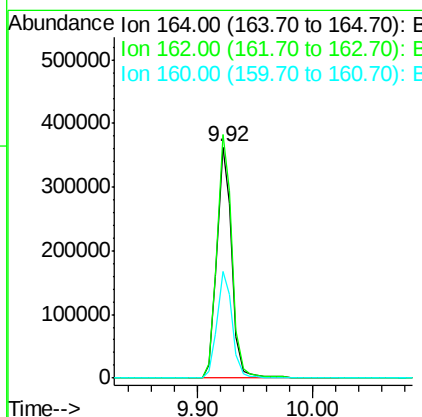
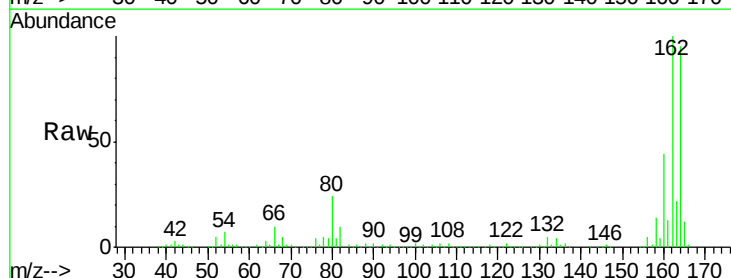
Instrument :  
 BNA\_F  
 ClientSampleId :  
 1-1-4-DENSE-GRADE-AGG-RCA

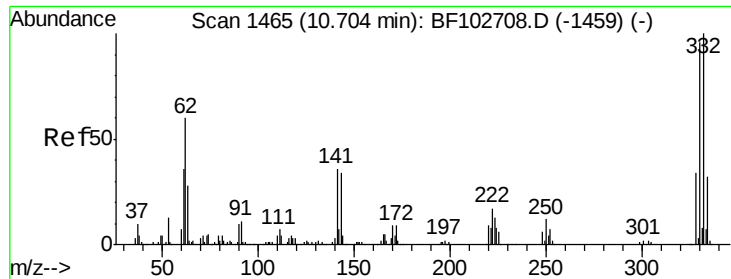
| Tot Ion   | 82    | Resp  | 632907 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 44.9  | 36.1  | 54.1   |
| 54        | 61.8  | 41.4  | 62.2   |



#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.92 min Scan# 1332  
 Delta R.T. -0.00 min  
 Lab File: BF102878.D  
 Acq: 9 Feb 2018 10:29

| Tgt Ion   | 164   | Resp  | 326858 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 162       | 105.2 | 86.1  | 129.1  |
| 160       | 46.2  | 38.3  | 57.5   |

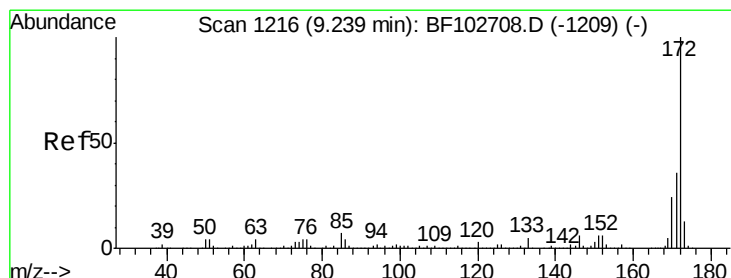
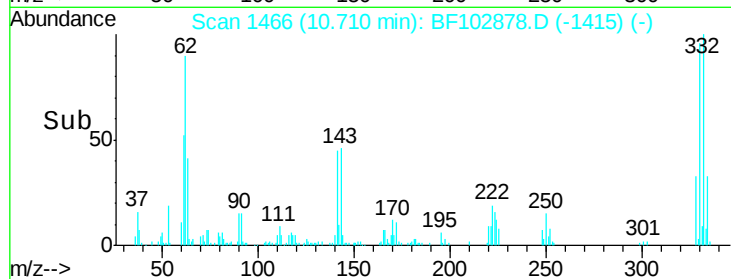
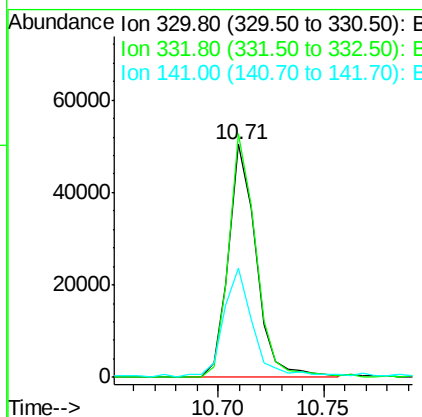
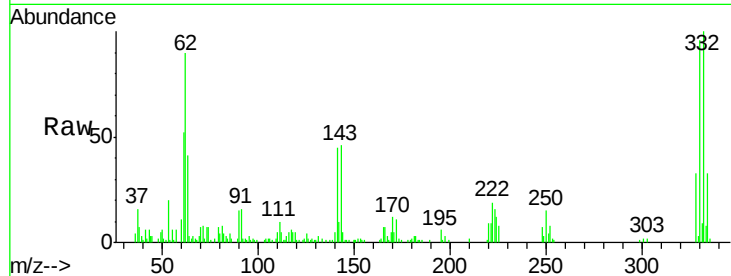




#41  
 2,4,6-Tribromophenol  
 Concen: 17.502 ng  
 RT: 10.71 min Scan# 1466  
 Delta R.T. -0.00 min  
 Lab File: BF102878.D  
 Acq: 9 Feb 2018 10:29

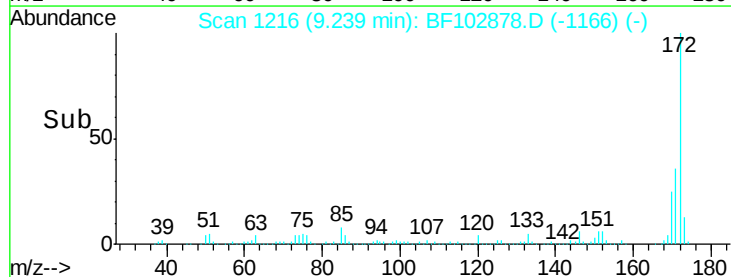
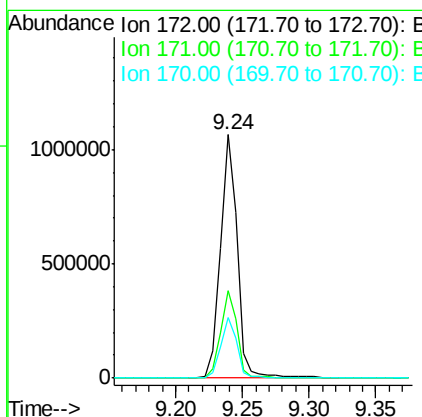
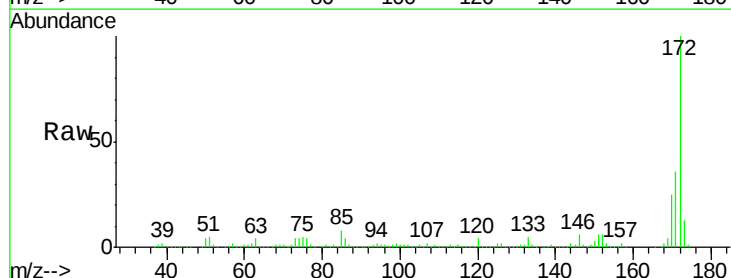
Instrument :  
 BNA\_F  
 ClientSampleId :  
 1-1-4-DENSE-GRADE-AGG-RCA

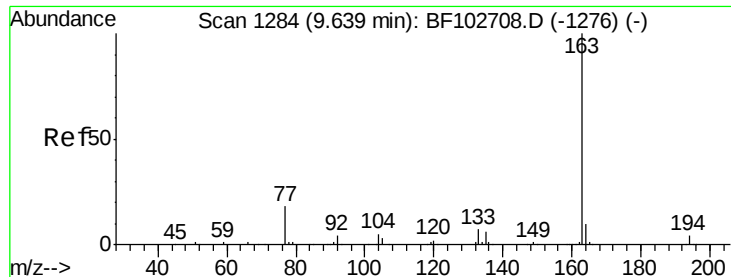
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 101.9 | 77.0  | 115.6 |
| 141     | 50.7  | 29.9  | 44.9  |



#44  
 2-Fluorobiphenyl  
 Concen: 48.527 ng  
 RT: 9.24 min Scan# 1216  
 Delta R.T. -0.01 min  
 Lab File: BF102878.D  
 Acq: 9 Feb 2018 10:29

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.8  | 29.7  | 44.5  |
| 170     | 24.9  | 19.6  | 29.4  |

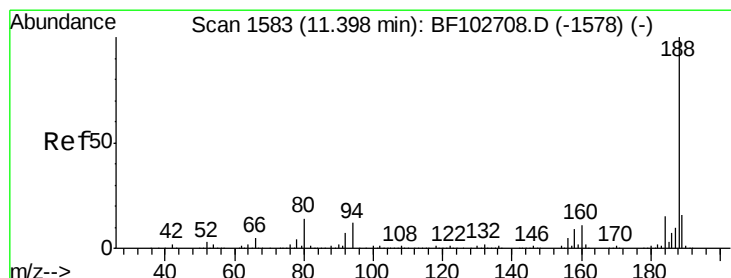
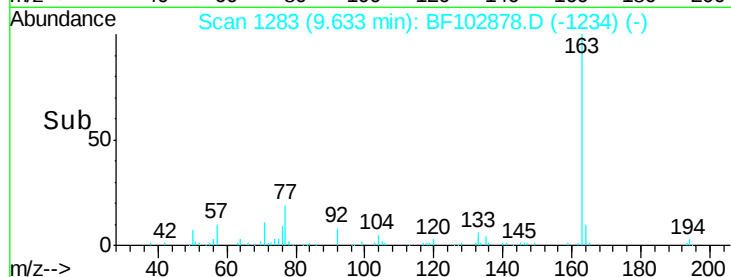
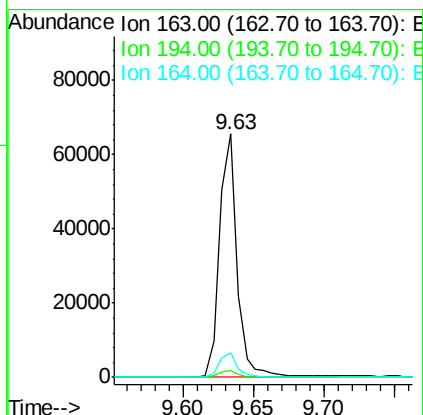
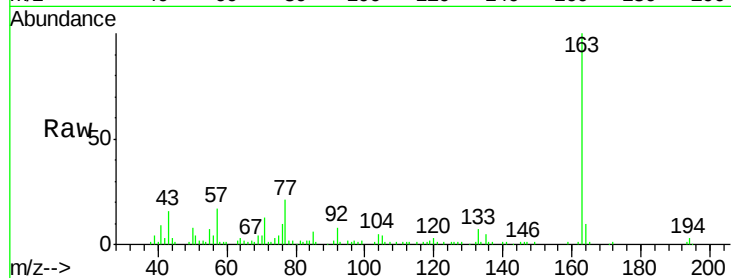




#49  
Dimethylphthalate  
Concen: 2.251 ng  
RT: 9.63 min Scan# 1283  
Delta R.T. -0.01 min  
Lab File: BF102878.D  
Acq: 9 Feb 2018 10:29

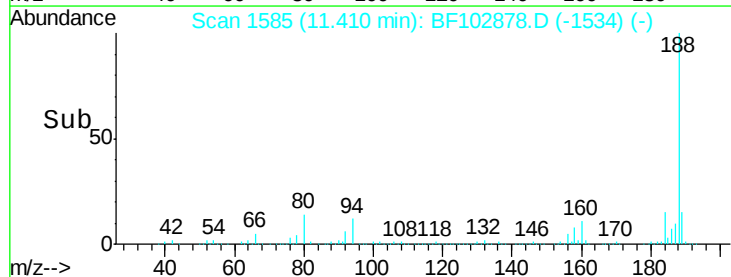
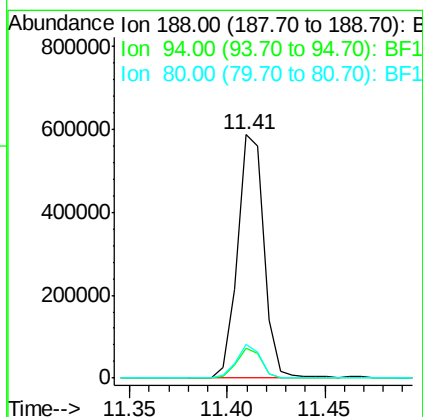
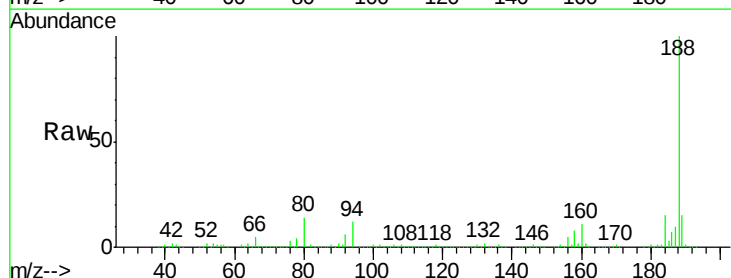
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1-1-4-DENSE-GRADE-AGG-RCA

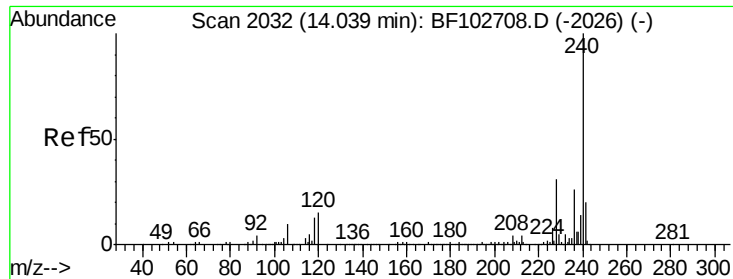
Tot Ion:163 Resp: 57381  
Ion Ratio Lower Upper  
163 100  
194 3.0 2.7 4.1  
164 10.2 8.2 12.2



#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.41 min Scan# 1585  
Delta R.T. -0.00 min  
Lab File: BF102878.D  
Acq: 9 Feb 2018 10:29

Tgt Ion:188 Resp: 551633  
Ion Ratio Lower Upper  
188 100  
94 12.3 8.5 12.7  
80 13.7 9.2 13.8





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.05 min Scan# 2034

Delta R.T. -0.00 min

Lab File: BF102878.D

Acq: 9 Feb 2018 10:29

Instrument :

BNA\_F

ClientSampleId :

1-1-4-DENSE-GRADE-AGG-RCA

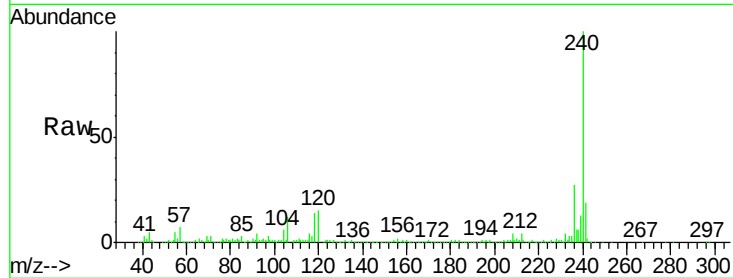
Tot Ion:240 Resp: 338275

Ion Ratio Lower Upper

240 100

120 15.2 9.5 14.3#

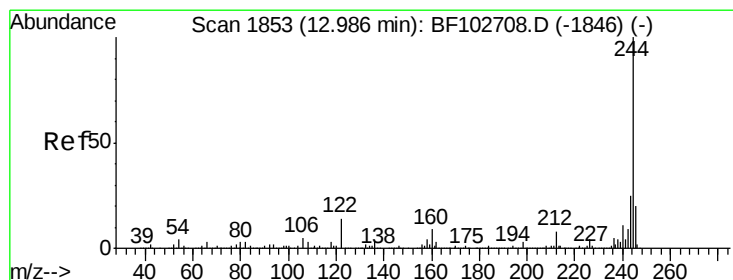
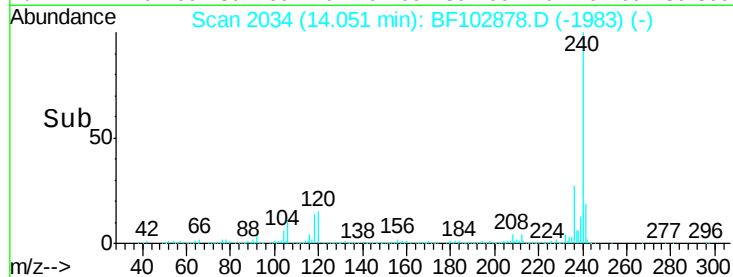
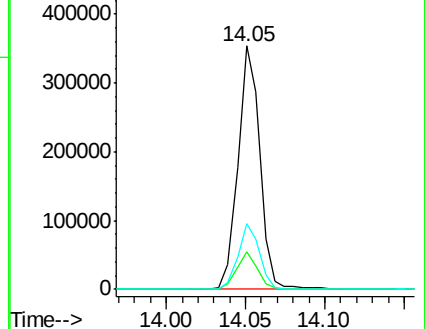
236 27.2 20.7 31.1



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: 53.217 ng

RT: 13.00 min Scan# 1855

Delta R.T. -0.00 min

Lab File: BF102878.D

Acq: 9 Feb 2018 10:29

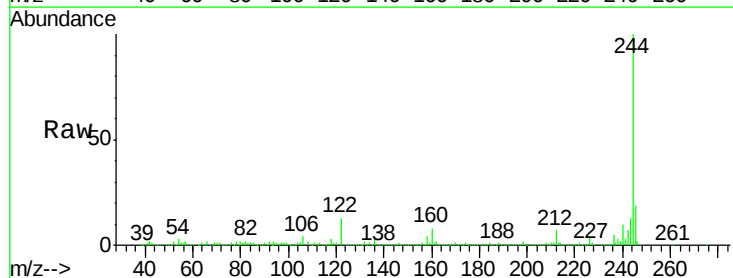
Tgt Ion:244 Resp: 760286

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

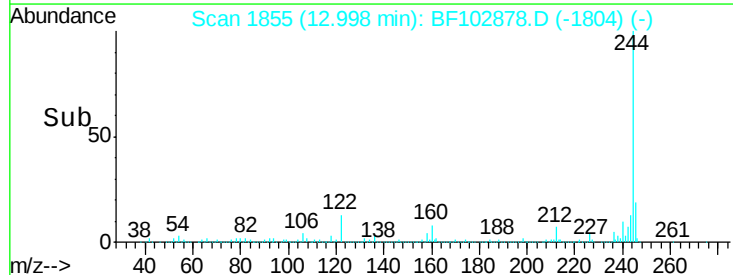
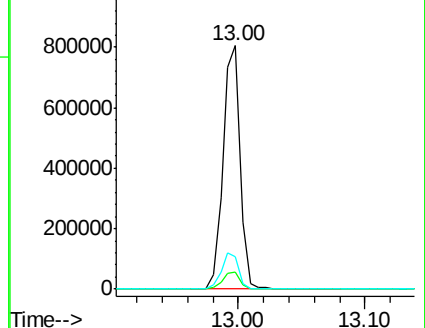
122 13.2 11.0 16.4

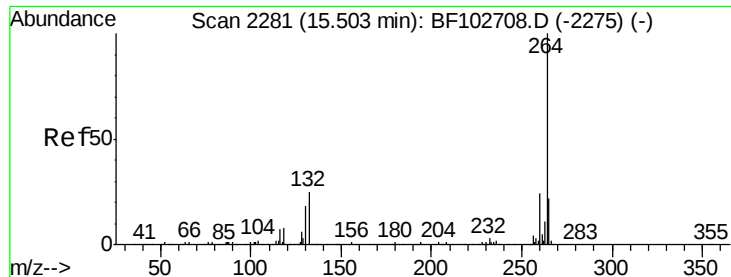


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.54 min Scan# 2287  
Delta R.T. 0.01 min  
Lab File: BF102878.D  
Acq: 9 Feb 2018 10:29

Instrument :  
BNA\_F  
ClientSampleId :  
1-1-4-DENSE-GRADE-AGG-RCA

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.4  | 19.2  | 28.8  |
| 265     | 21.8  | 17.5  | 26.3  |

