

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122917\  
 Data File : BF101823.D  
 Acq On : 29 Dec 2017 12:33  
 Operator : SJ/JU  
 Sample : I7034-12 10X  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TB-09(6-8)

Manual Integrations  
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Quant Time: Dec 29 15:05:10 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Dec 29 13:21:45 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.78  | 152  | 147862   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.06  | 136  | 591162   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10        | 9.82  | 164  | 249798   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.32 | 188  | 422533   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12            | 13.97 | 240  | 286271   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12            | 15.44 | 264  | 294335   | 20.00 | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.52  | 112  | 2916     | 0.29  | ng    | 0.11     |
| 7) Phenol-d6                | 6.55  | 99   | 25568m   | 2.07  | ng    | 0.11     |
| 23) Nitrobenzene-d5         | 7.42  | 82   | 13245m   | 1.25  | ng    | 0.05     |
| 41) 2,4,6-Tribromophenol    | 10.65 | 330  | 2210     | 0.92  | ng    | 0.02     |
| 44) 2-Fluorobiphenyl        | 9.15  | 172  | 29162    | 1.81  | ng    | 0.00     |
| 78) Terphenyl-d14           | 12.89 | 244  | 20487    | 1.73  | ng    | 0.00     |

Target Compounds Qvalue

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

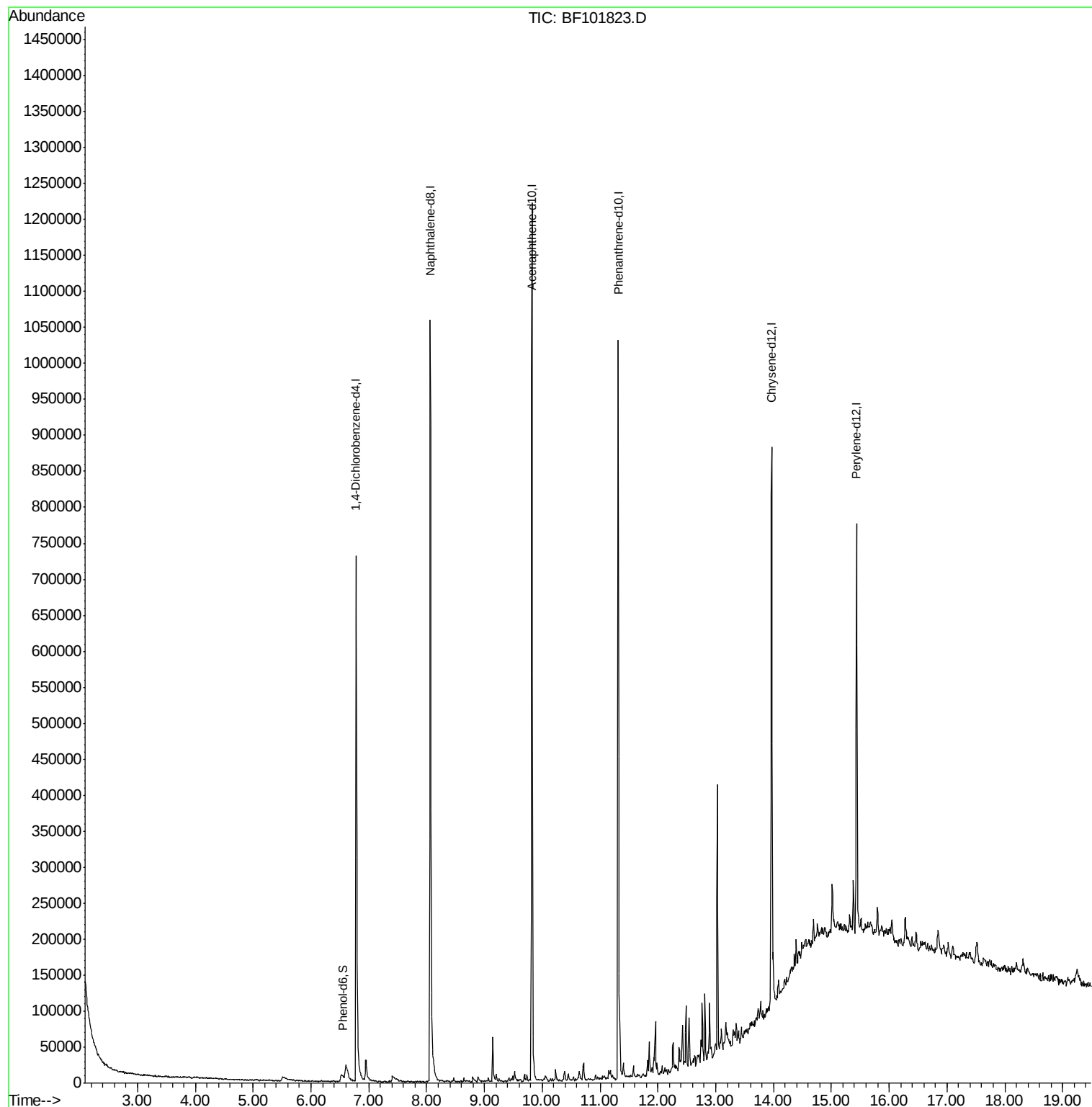
Data Path : Z:\HPCHEM1\BNA F\DATA\BF122917\  
Data File : BF101823.D  
Acq On : 29 Dec 2017 12:33  
Operator : SJ/JU  
Sample : I7034-12 10X  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

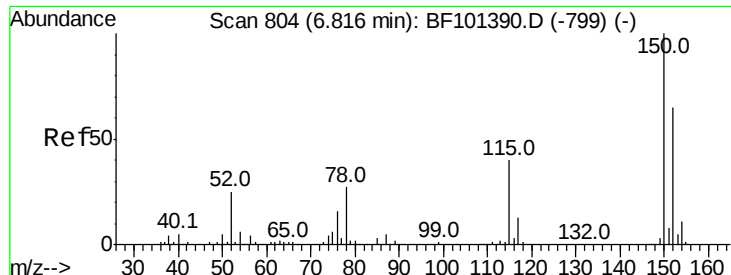
Instrument :  
BNA\_F  
ClientSampleId :  
TB-09(6-8)

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Quant Time: Dec 29 15:05:10 2017  
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Dec 29 13:21:45 2017  
Response via : Initial Calibration





#1

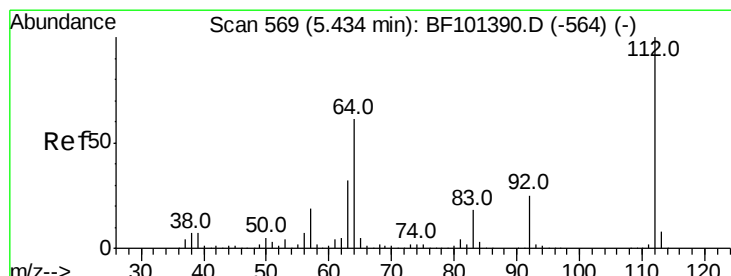
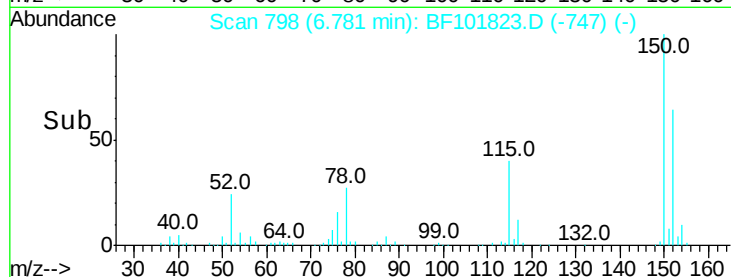
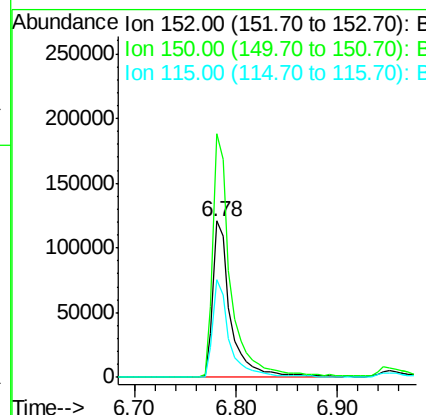
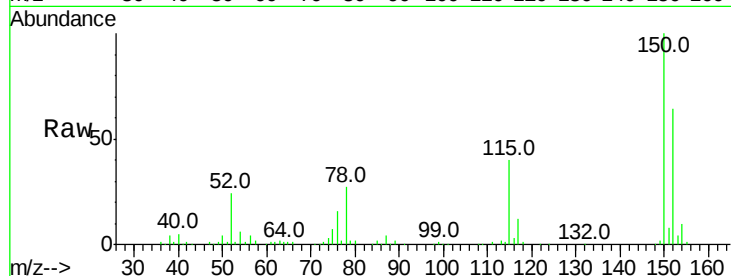
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.78 min Scan# 798  
Delta R.T. 0.00 min  
Lab File: BF101823.D  
Acq: 29 Dec 2017 12:33

Instrument :  
BNA\_F  
ClientSampled :  
TB-09(6-8)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 156.1 | 124.6 | 186.8 |
| 115     | 62.7  | 50.1  | 75.1  |

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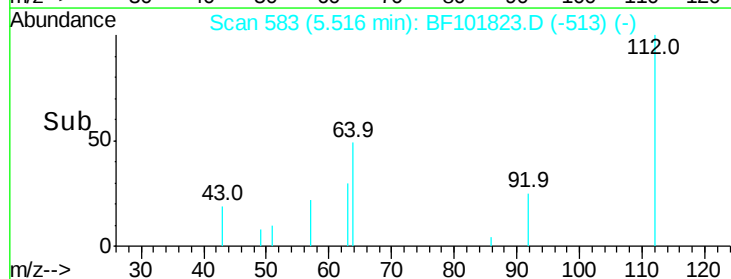
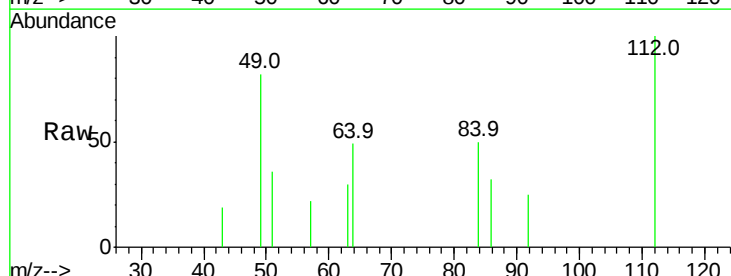
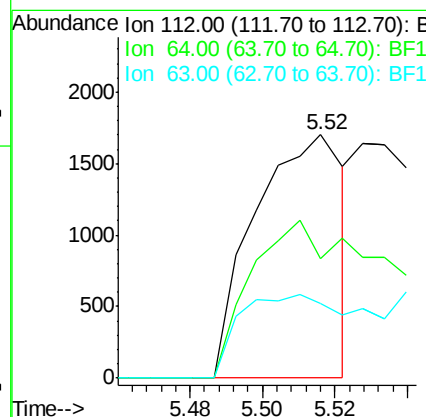
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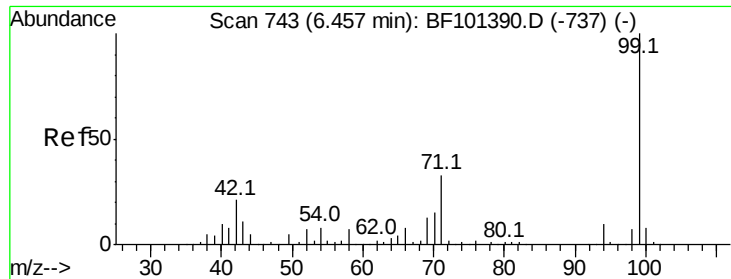


#5

2-Fluorophenol  
Concen: 0.294 ng  
RT: 5.52 min Scan# 583  
Delta R.T. 0.11 min  
Lab File: BF101823.D  
Acq: 29 Dec 2017 12:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 49.1  | 47.9  | 71.9  |
| 63      | 30.4  | 23.7  | 35.5  |





#7

Phenol-d6

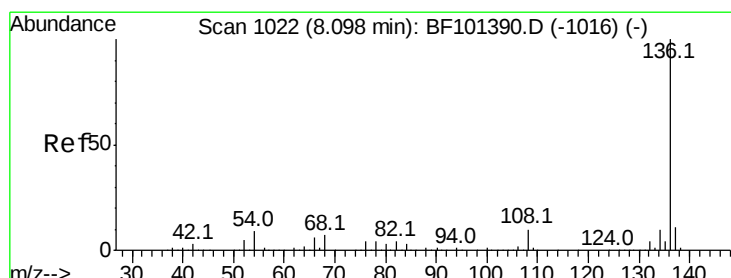
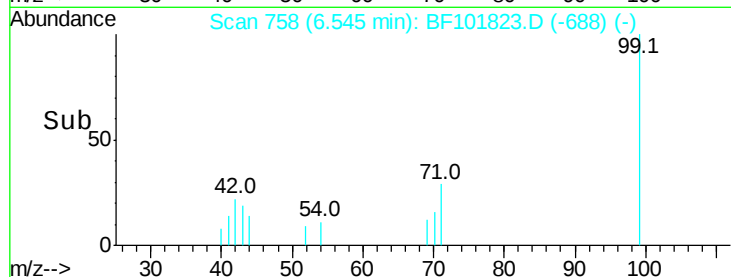
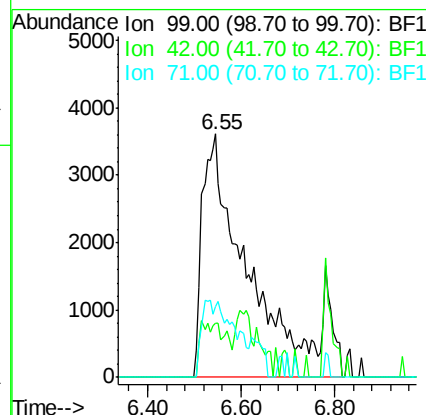
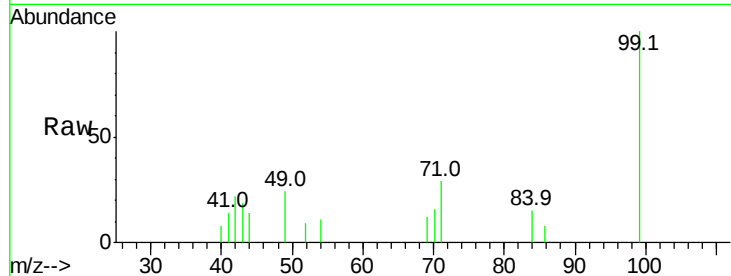
Concen: 2.070 ng/ml  
 RT: 6.55 min Scan# 758  
 Delta R.T. 0.11 min  
 Lab File: BF101823.D  
 Acq: 29 Dec 2017 12:33

Instrument :  
 BNA\_F  
 ClientSampled :  
 TB-09(6-8)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 99      | 100   |       |       |
| 42      | 22.2  | 14.5  | 21.7# |
| 71      | 28.8  | 25.4  | 38.0  |

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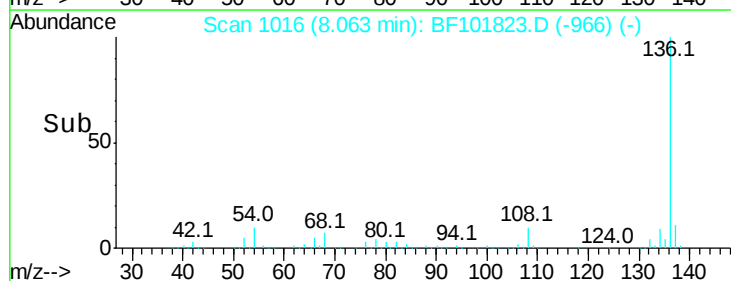
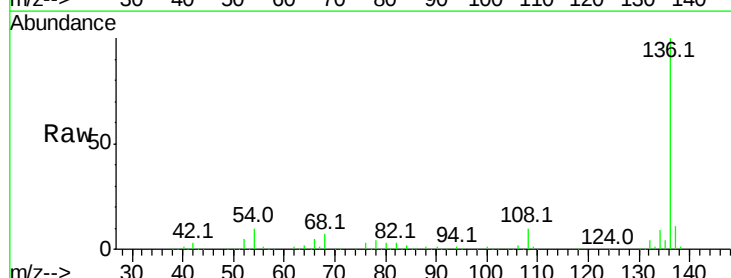
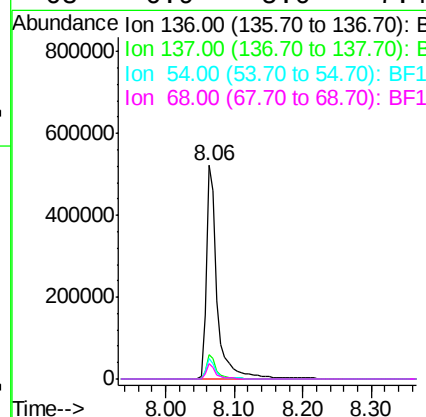


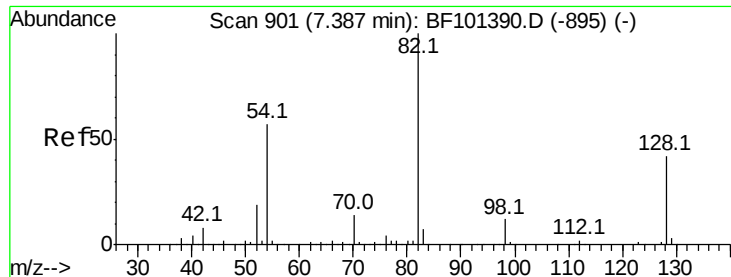
#21

Naphthalene-d8

Concen: 20.000 ng  
 RT: 8.06 min Scan# 1016  
 Delta R.T. -0.01 min  
 Lab File: BF101823.D  
 Acq: 29 Dec 2017 12:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 136     | 100   |       |       |
| 137     | 11.2  | 8.9   | 13.3  |
| 54      | 9.6   | 6.6   | 9.8   |
| 68      | 6.9   | 5.0   | 7.4   |





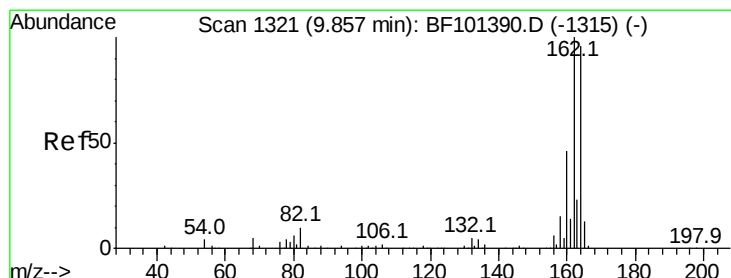
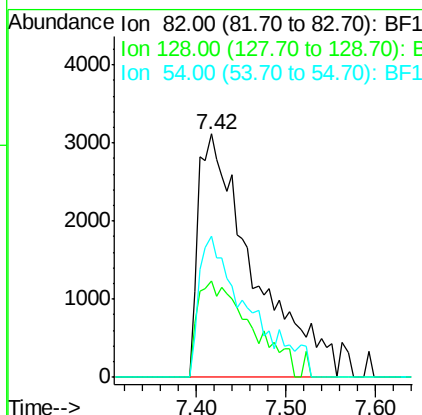
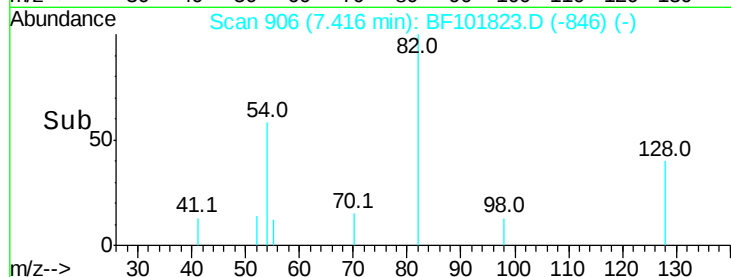
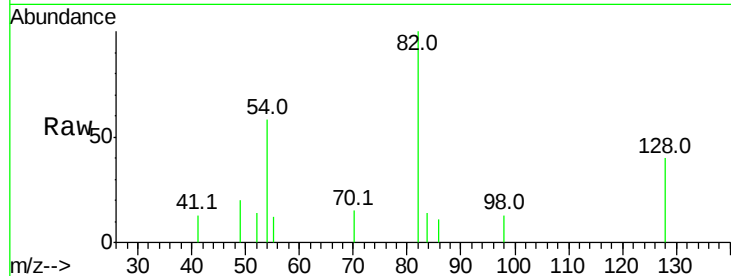
#23  
Nitrobenzene-d5  
Concen: 1.247 ng/ml  
RT: 7.42 min Scan# 906  
Delta R.T. 0.05 min  
Lab File: BF101823.D  
Acq: 29 Dec 2017 12:33

Instrument :  
BNA\_F  
ClientSampled :  
TB-09(6-8)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 39.7  | 36.1  | 54.1  |
| 54      | 57.9  | 41.4  | 62.2  |

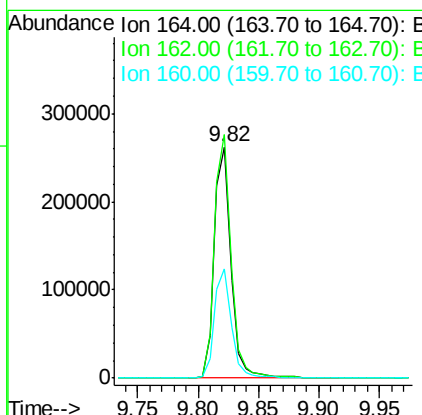
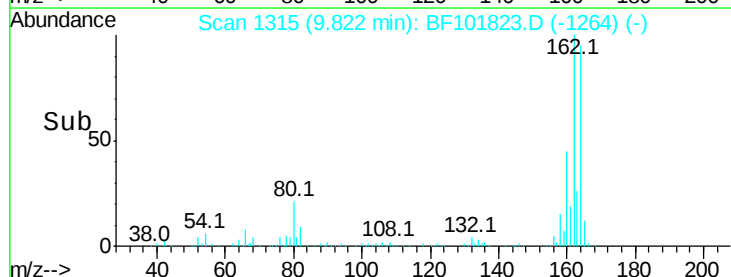
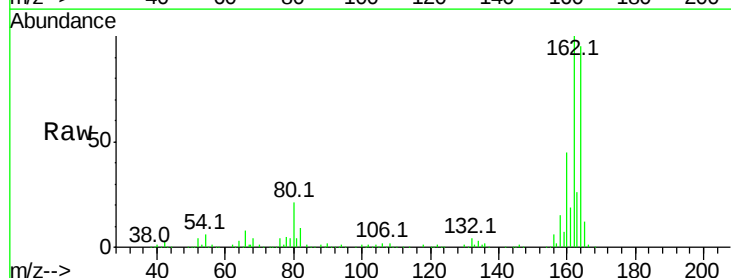
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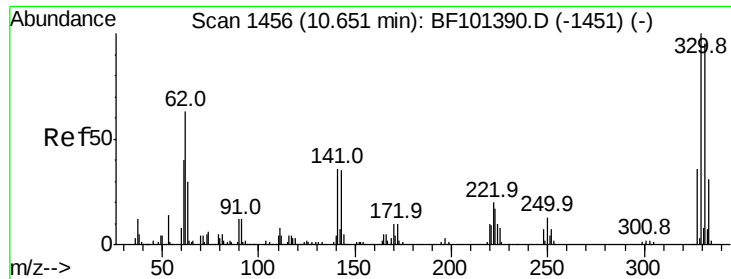
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#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.82 min Scan# 1315  
Delta R.T. 0.00 min  
Lab File: BF101823.D  
Acq: 29 Dec 2017 12:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 105.5 | 86.1  | 129.1 |
| 160     | 47.1  | 38.3  | 57.5  |





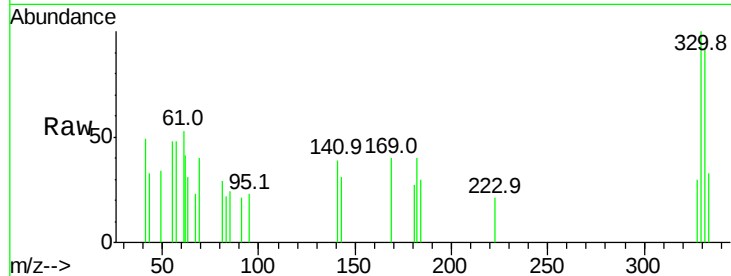
#41  
 2,4,6-Tribromophenol  
 Concen: 0.918 ng  
 RT: 10.65 min Scan# 1455  
 Delta R.T. 0.02 min  
 Lab File: BF101823.D  
 Acq: 29 Dec 2017 12:33

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TB-09(6-8)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 91.7  | 77.0  | 115.6 |
| 141     | 38.2  | 29.9  | 44.9  |

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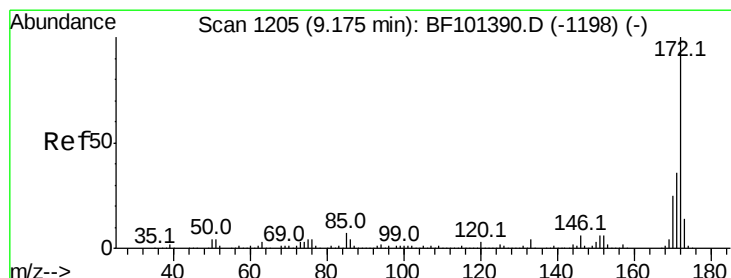
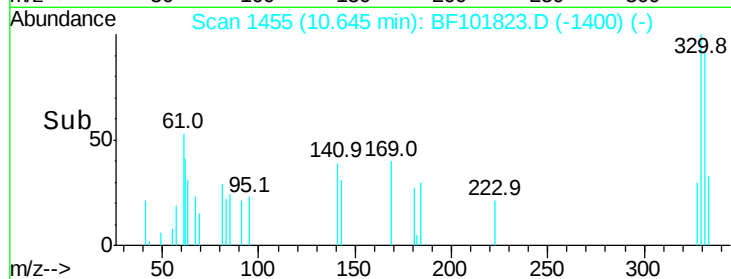
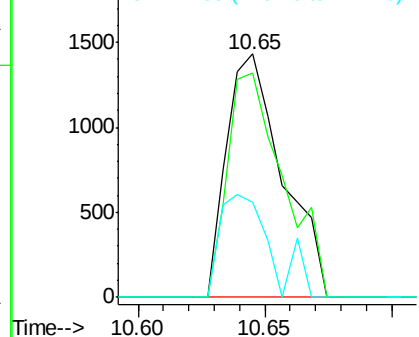


Abundance

Ion 329.80 (329.50 to 330.50): E

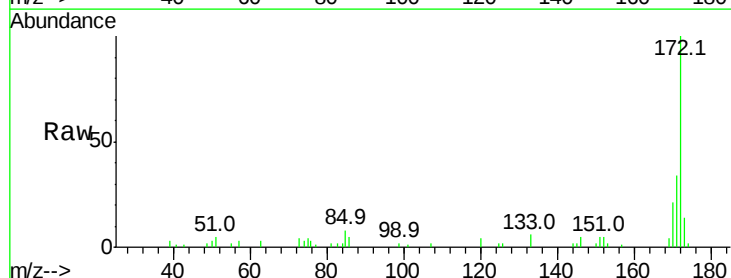
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44  
 2-Fluorobiphenyl  
 Concen: 1.811 ng  
 RT: 9.15 min Scan# 1200  
 Delta R.T. 0.01 min  
 Lab File: BF101823.D  
 Acq: 29 Dec 2017 12:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 34.3  | 29.7  | 44.5  |
| 170     | 21.2  | 19.6  | 29.4  |

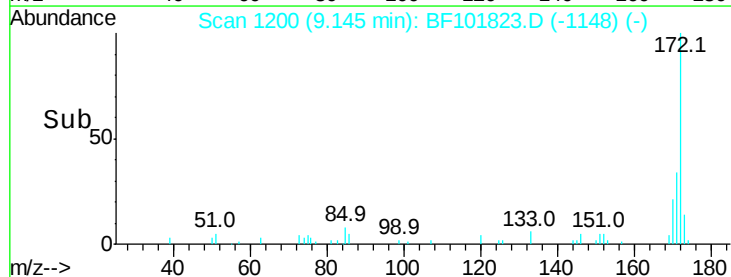
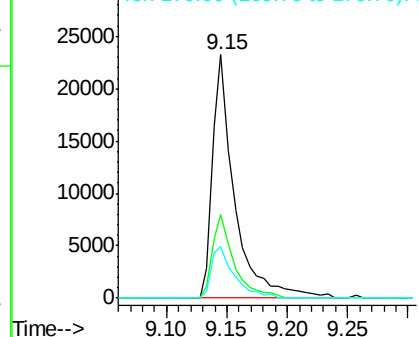


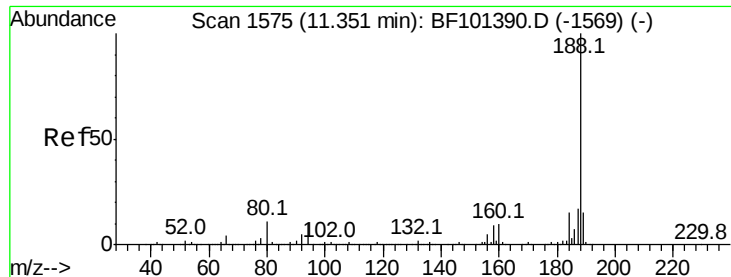
Abundance

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





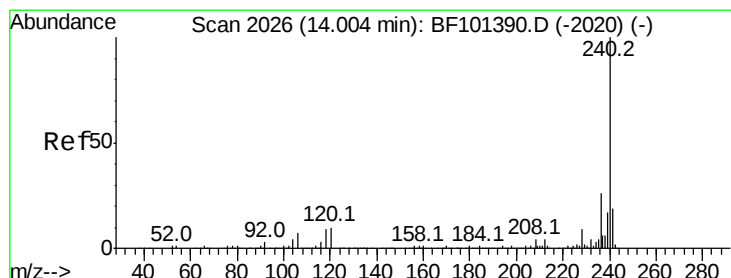
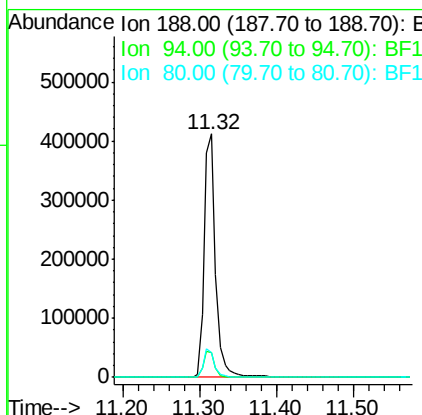
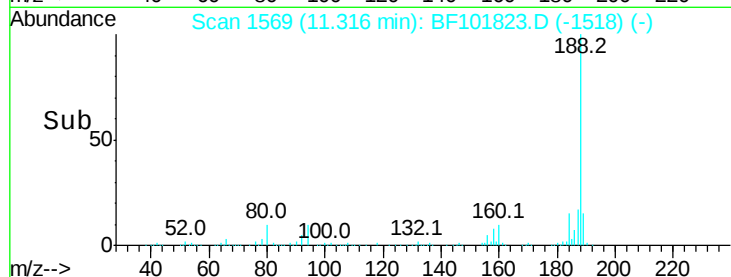
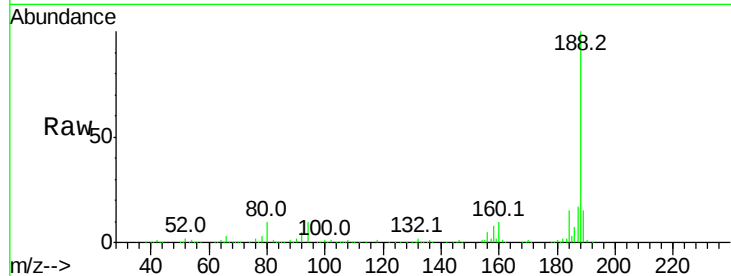
#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.32 min Scan# 1569  
Delta R.T. 0.00 min  
Lab File: BF101823.D  
Acq: 29 Dec 2017 12:33

Instrument :  
BNA\_F  
ClientSampled :  
TB-09(6-8)

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 188     | 100   | 422533 |       |       |
| 94      | 10.0  |        | 8.5   | 12.7  |
| 80      | 10.1  |        | 9.2   | 13.8  |

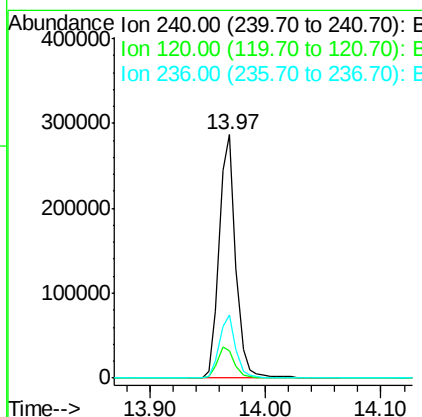
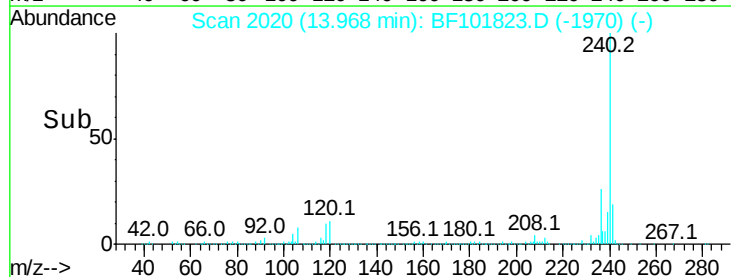
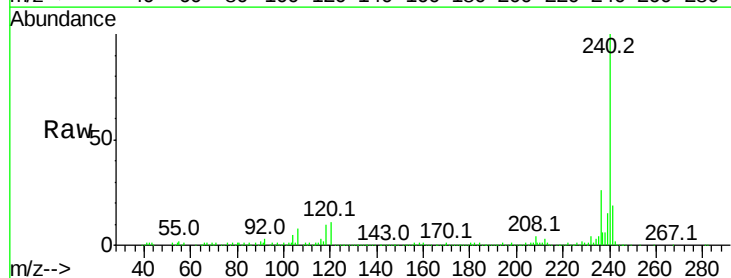
Manual Integrations  
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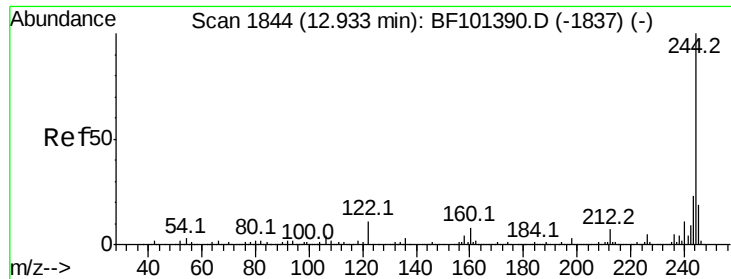
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#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.97 min Scan# 2020  
Delta R.T. -0.01 min  
Lab File: BF101823.D  
Acq: 29 Dec 2017 12:33

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 240     | 100   | 286271 |       |       |
| 120     | 11.2  |        | 9.5   | 14.3  |
| 236     | 26.0  |        | 20.7  | 31.1  |





#78

Terphenyl-d14

Concen: 1.725 ng

RT: 12.89 min Scan# 1837

Delta R.T. -0.01 min

Lab File: BF101823.D

Acq: 29 Dec 2017 12:33

Instrument :

BNA\_F

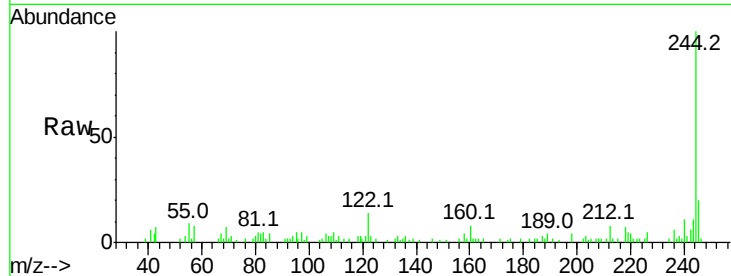
ClientSampleId :

TB-09(6-8)

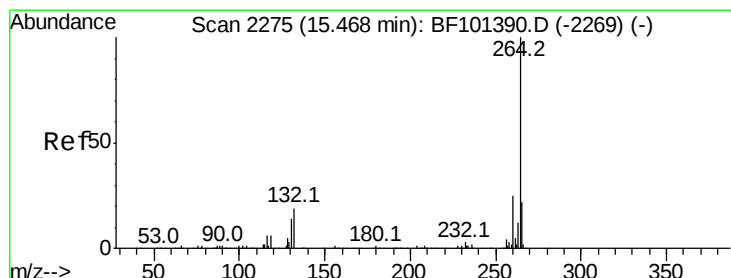
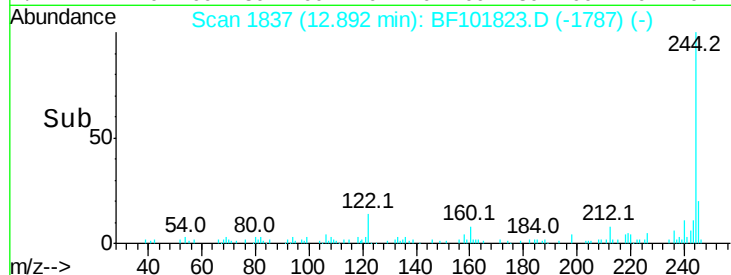
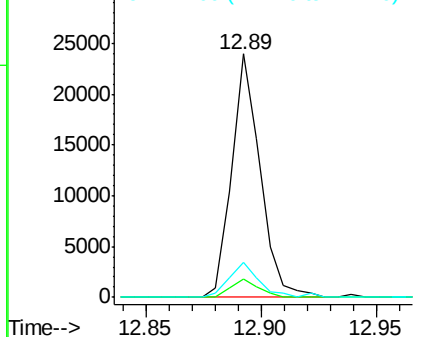
|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 244   | Resp: | 20487 |
| Ion Ratio | Lower | Upper |       |
| 244       | 100   |       |       |
| 212       | 7.6   | 5.4   | 8.0   |
| 122       | 14.1  | 11.0  | 16.4  |

Manual Integrations  
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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

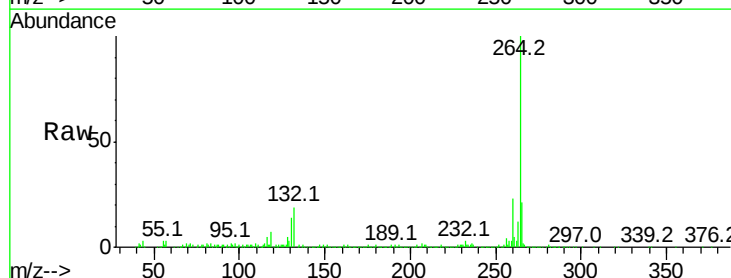
RT: 15.44 min Scan# 2270

Delta R.T. 0.00 min

Lab File: BF101823.D

Acq: 29 Dec 2017 12:33

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 264   | Resp: | 294335 |
| Ion Ratio | Lower | Upper |        |
| 264       | 100   |       |        |
| 260       | 23.4  | 19.2  | 28.8   |
| 265       | 20.8  | 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

