

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120319\  
 Data File : BF118069.D  
 Acq On : 3 Dec 2019 18:29  
 Operator : JU  
 Sample : K6027-04  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-3

Manual Integrations  
 APPROVED

mohammad  
 12/4/2019 5:01:37 PM

Quant Time: Dec 06 04:17:41 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Dec 03 15:16:53 2019  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.88  | 152  | 127332   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.16  | 136  | 476998   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 9.93  | 164  | 249625   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 11.42 | 188  | 460040   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12            | 14.07 | 240  | 308867   | 20.00  | ng    | 0.00     |
| 87) Perylene-d12            | 15.56 | 264  | 311478   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.49  | 112  | 488414   | 67.90  | ng    | 0.00     |
| 7) Phenol-d6                | 6.50  | 99   | 448010   | 51.63  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.45  | 82   | 646824   | 80.61  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.72 | 330  | 363704   | 137.62 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.25  | 172  | 1277921  | 91.84  | ng    | 0.00     |
| 79) Terphenyl-d14           | 13.01 | 244  | 1514638  | 89.62  | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       |          |
| 10) Phenol                  | 6.52  | 94   | 50817    | 5.636  | ng    | 97       |
| 31) Naphthalene             | 8.19  | 128  | 1875068  | 84.321 | ng    | 98       |
| 37) 2-Methylnaphthalene     | 8.88  | 142  | 199473   | 13.276 | ng    | 97       |
| 38) 1-Methylnaphthalene     | 8.98  | 142  | 331060m  | 23.307 | ng    |          |
| 50) Dimethylphthalate       | 9.64  | 163  | 279390   | 15.961 | ng    | 97       |

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

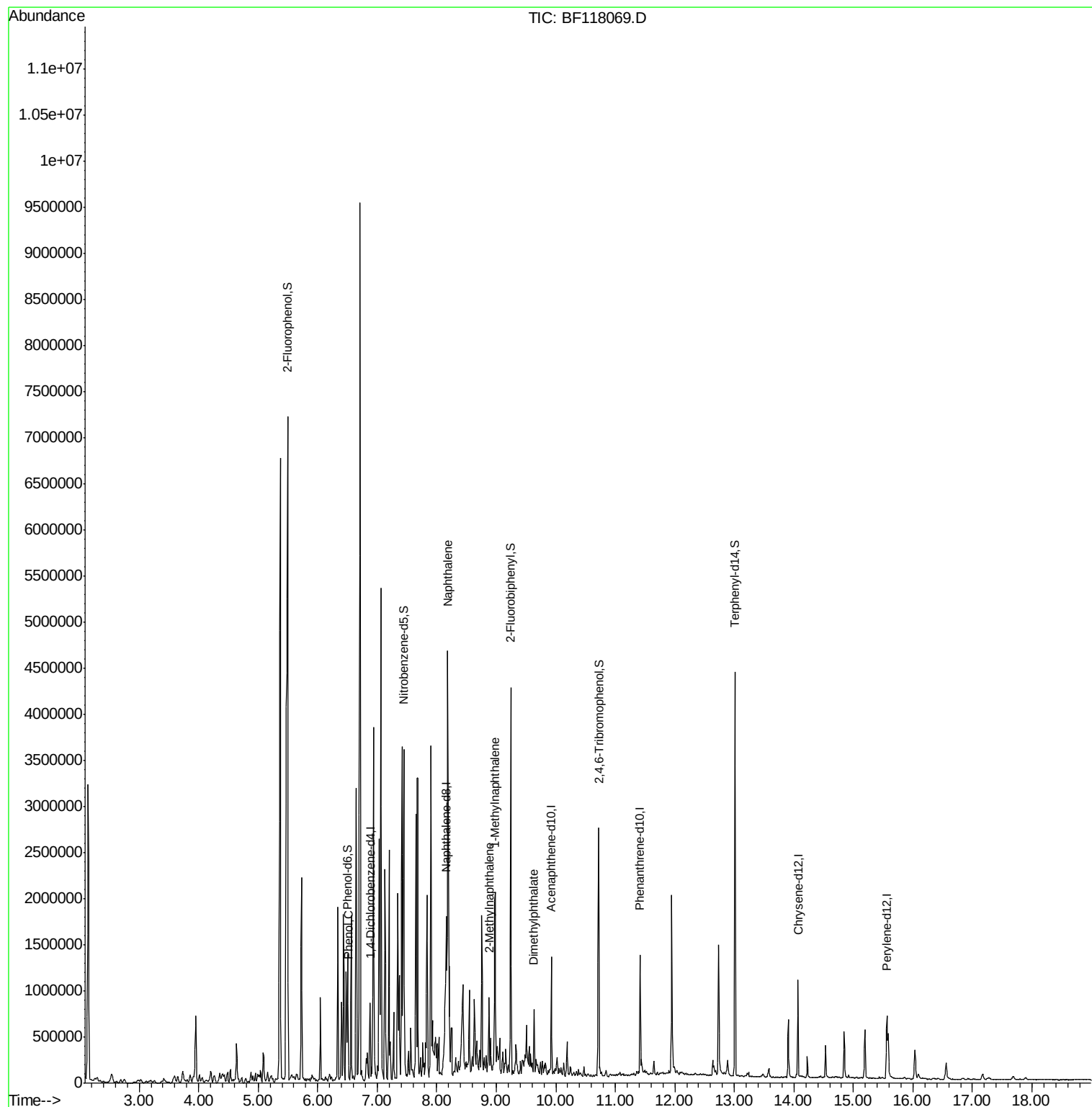
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120319\  
Data File : BF118069.D  
Acq On : 3 Dec 2019 18:29  
Operator : JU  
Sample : K6027-04  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

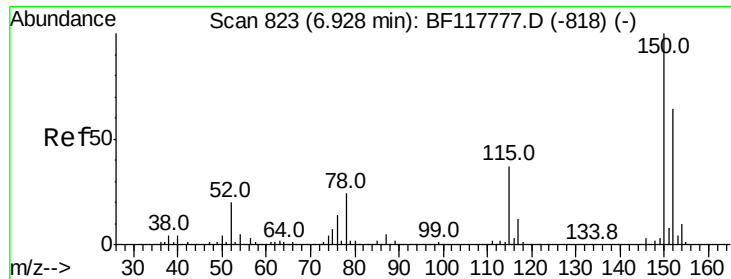
Instrument :  
BNA\_F  
ClientSampleId :  
MW-3

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Quant Time: Dec 06 04:17:41 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Dec 03 15:16:53 2019  
Response via : Initial Calibration





#1

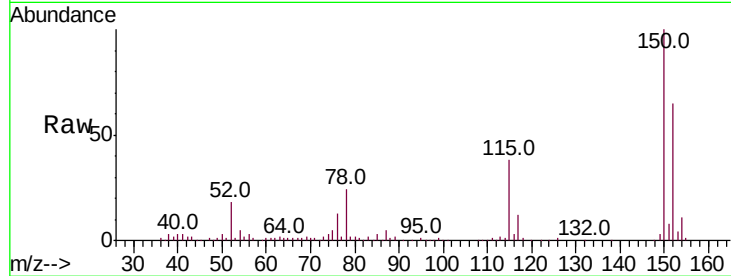
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.88 min Scan# 815  
Delta R.T. -0.00 min  
Lab File: BF118069.D  
Acq: 3 Dec 2019 18:29

Instrument :  
BNA\_F  
ClientSampled :  
MW-3

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 153.3 | 121.4 | 182.2 |
| 115     | 57.5  | 48.8  | 73.2  |

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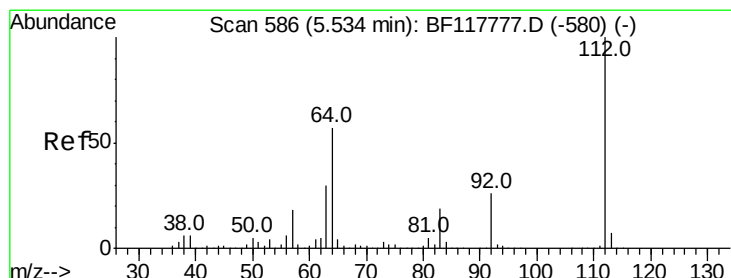
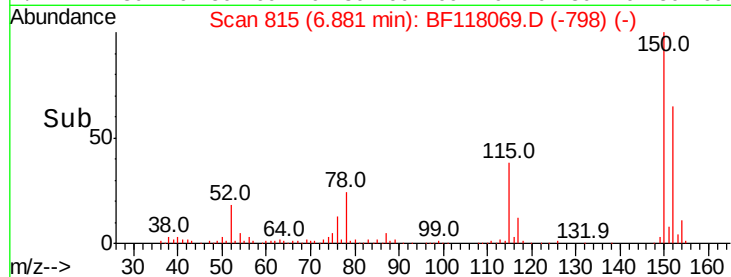
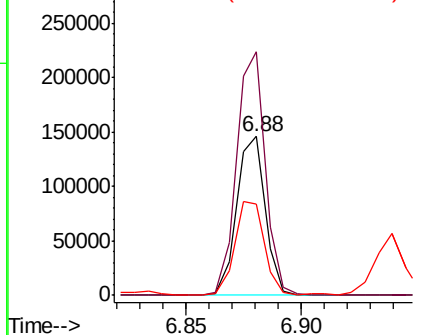


Abundance

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: 67.897 ng  
RT: 5.49 min Scan# 579  
Delta R.T. 0.01 min  
Lab File: BF118069.D  
Acq: 3 Dec 2019 18:29

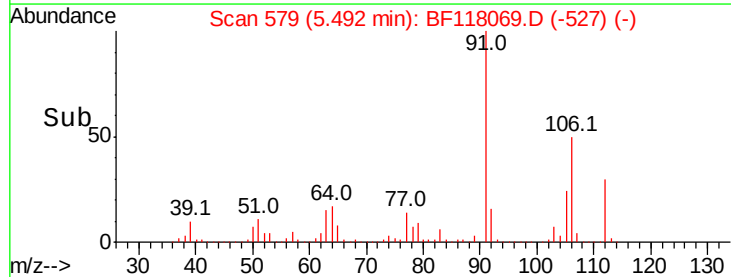
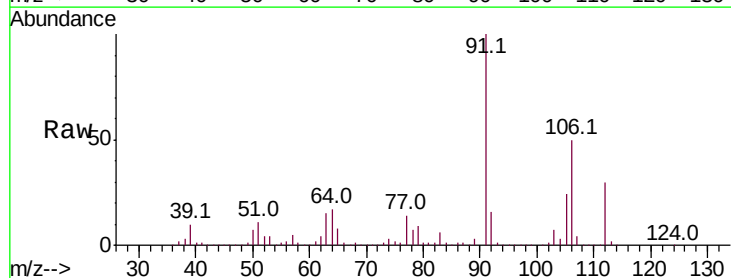
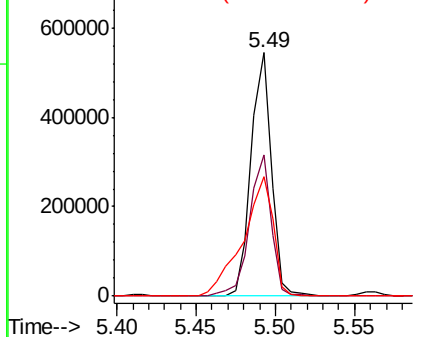
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 58.0  | 45.1  | 67.7  |
| 63      | 49.3  | 24.6  | 37.0  |

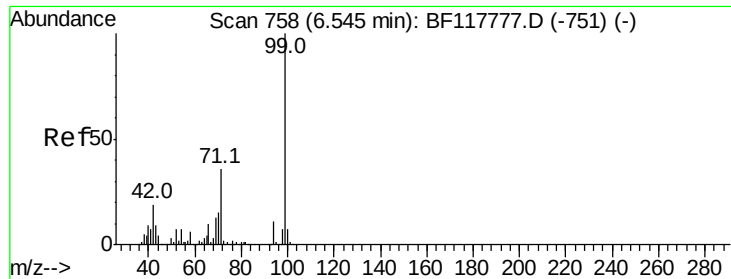
Abundance

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: 51.635 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF118069.D

Acq: 3 Dec 2019 18:29

Instrument :

BNA\_F

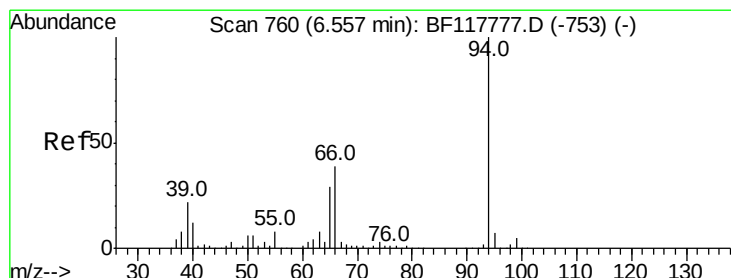
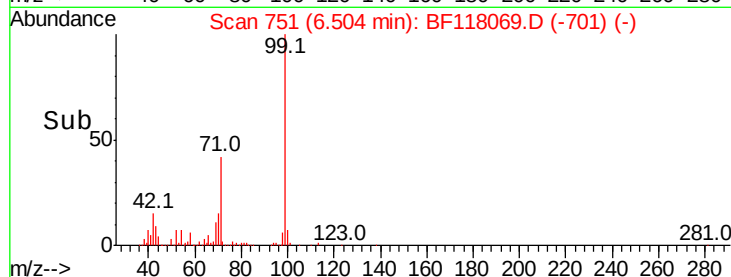
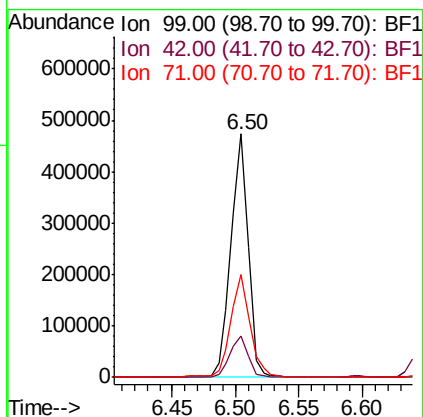
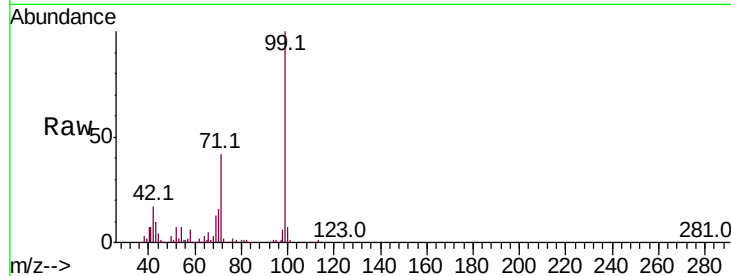
ClientSampleId :

MW-3

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 99    | Resp: | 448010 |
| Ion      | Ratio | Lower | Upper  |
| 99       | 100   |       |        |
| 42       | 16.8  | 14.0  | 21.0   |
| 71       | 42.4  | 29.2  | 43.8   |

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#10

Phenol

Concen: 5.636 ng

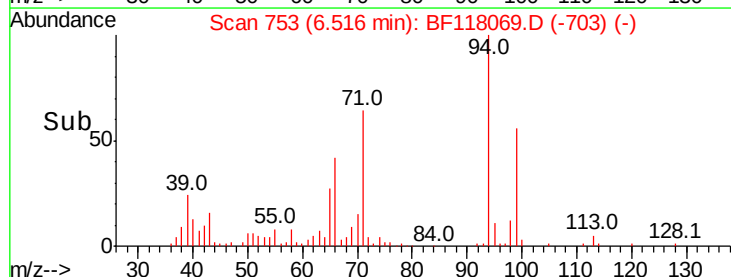
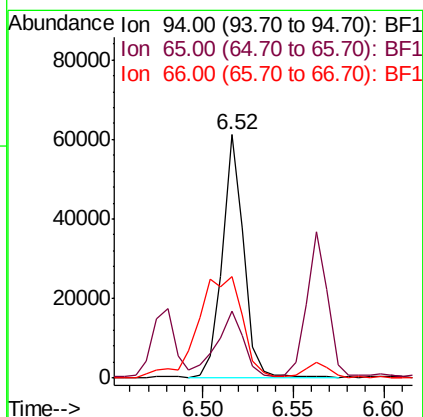
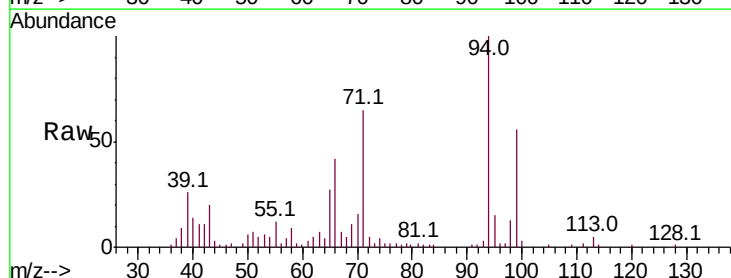
RT: 6.52 min Scan# 753

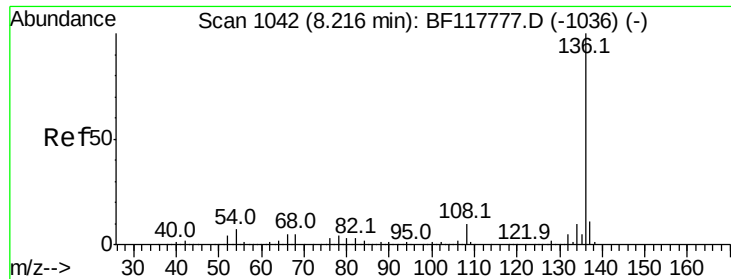
Delta R.T. -0.01 min

Lab File: BF118069.D

Acq: 3 Dec 2019 18:29

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 94    | Resp: | 50817 |
| Ion      | Ratio | Lower | Upper |
| 94       | 100   |       |       |
| 65       | 27.3  | 6.9   | 46.9  |
| 66       | 41.7  | 18.6  | 58.6  |





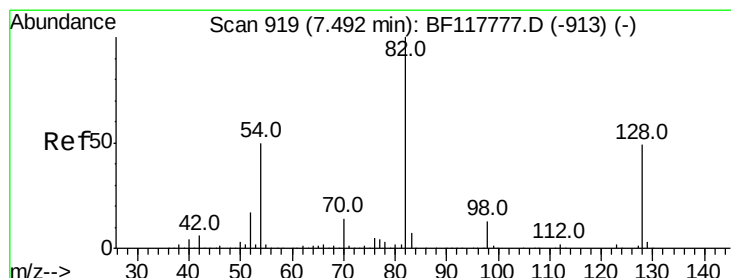
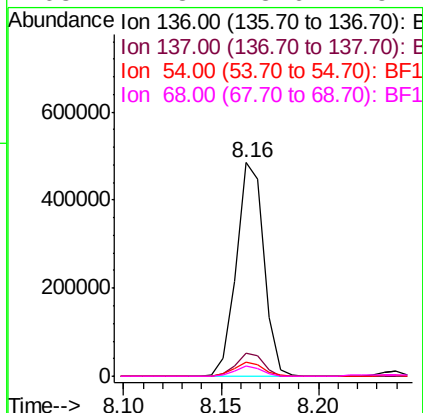
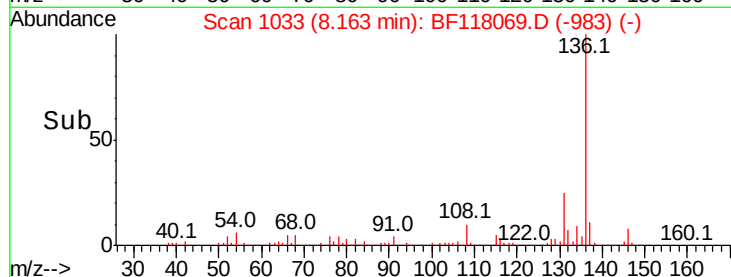
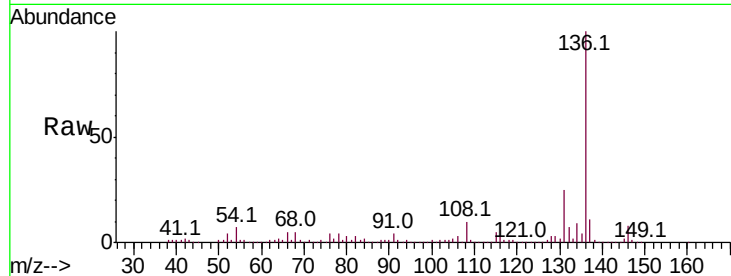
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.16 min Scan# 1033  
Delta R.T. -0.01 min  
Lab File: BF118069.D  
Acq: 3 Dec 2019 18:29

Instrument :  
BNA\_F  
ClientSampleId :  
MW-3

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 136     | 100   |      |       |       |
| 137     | 11.0  | 9.1  | 13.7  |       |
| 54      | 6.5   | 4.9  | 7.3   |       |
| 68      | 4.8   | 3.6  | 5.4   |       |

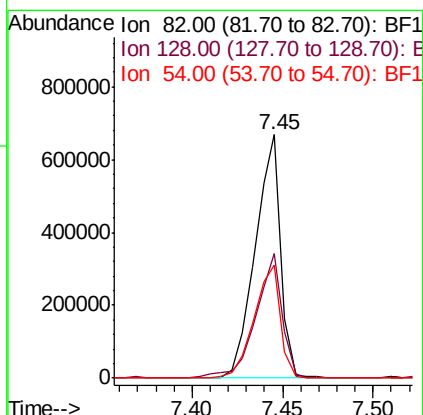
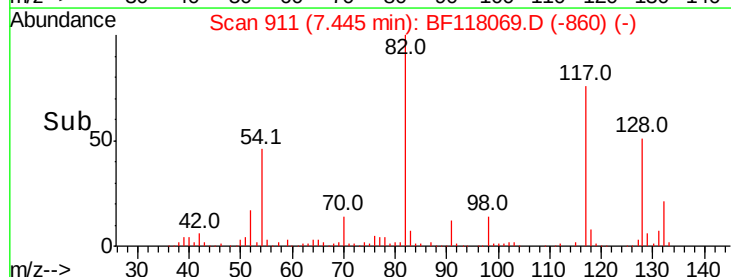
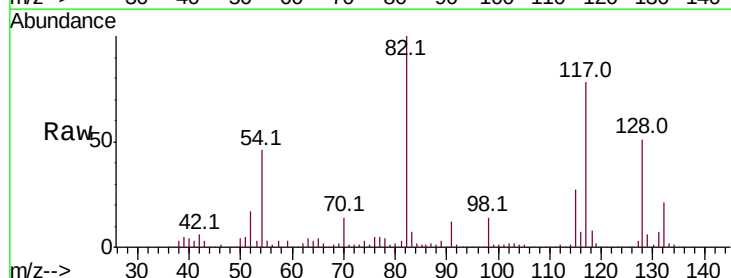
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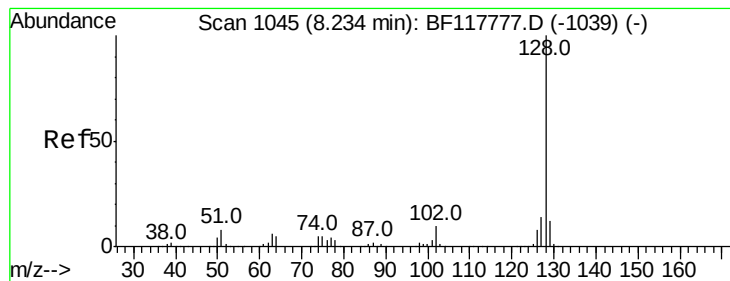
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#23  
Nitrobenzene-d5  
Concen: 80.610 ng  
RT: 7.45 min Scan# 911  
Delta R.T. -0.00 min  
Lab File: BF118069.D  
Acq: 3 Dec 2019 18:29

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 82      | 100   |      |       |       |
| 128     | 51.1  | 38.2 | 57.4  |       |
| 54      | 46.2  | 39.0 | 58.4  |       |





#31

Naphthalene

Concen: 84.321 ng

RT: 8.19 min Scan# 1038

Delta R.T. -0.00 min

Lab File: BF118069.D

Acq: 3 Dec 2019 18:29

Instrument :

BNA\_F

ClientSampled :

MW-3

Tot Ion:128 Resp: 1875068

Ion Ratio Lower Upper

128 100

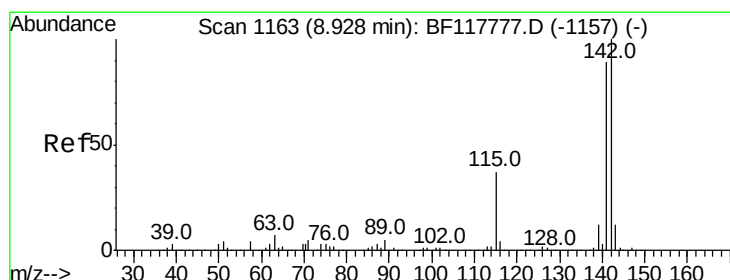
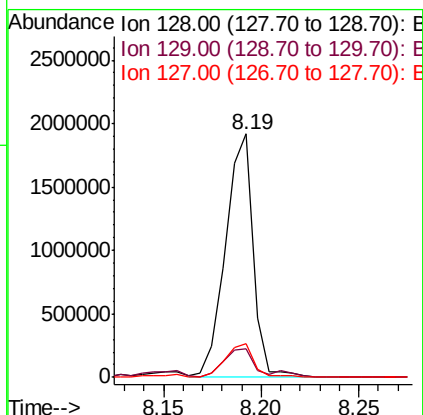
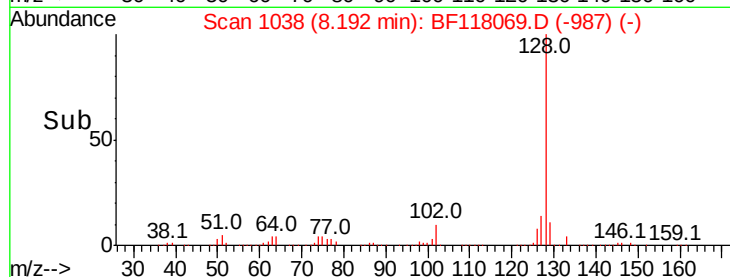
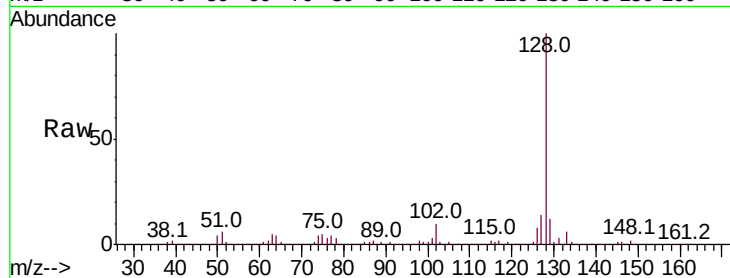
129 11.8 8.8 13.2

127 13.9 10.6 16.0

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#37

2-Methylnaphthalene

Concen: 13.276 ng

RT: 8.88 min Scan# 1155

Delta R.T. -0.00 min

Lab File: BF118069.D

Acq: 3 Dec 2019 18:29

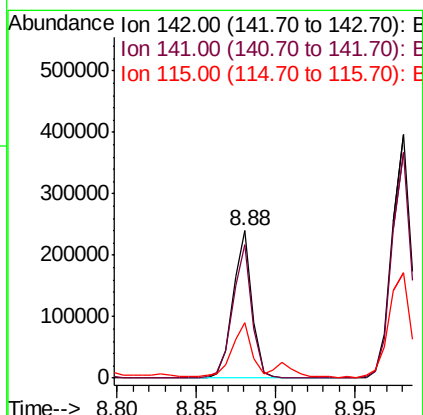
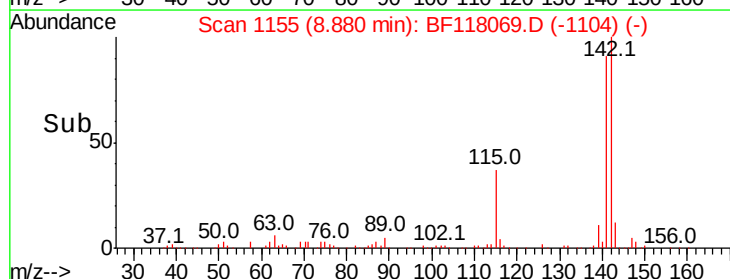
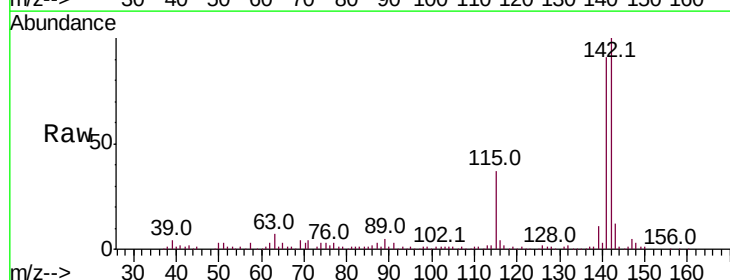
Tgt Ion:142 Resp: 199473

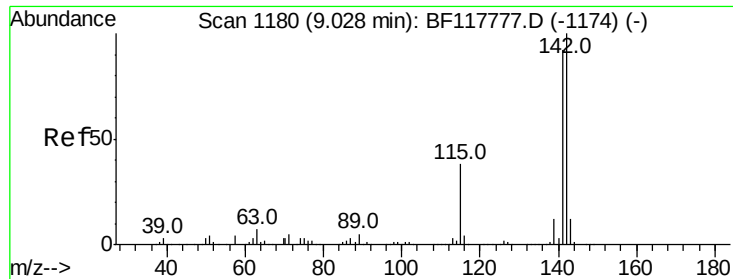
Ion Ratio Lower Upper

142 100

141 90.6 70.2 105.4

115 37.2 29.2 43.8





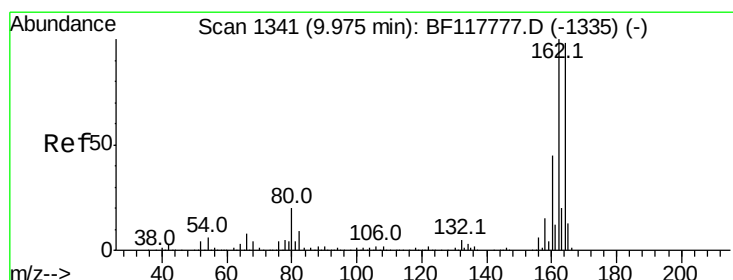
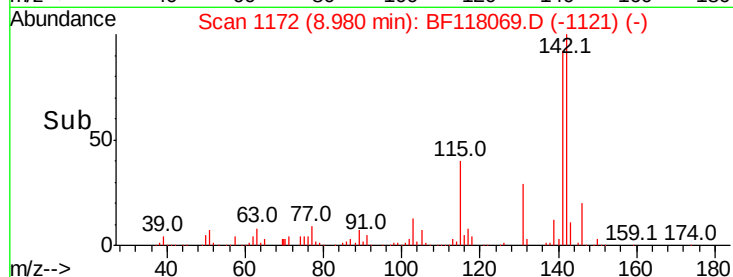
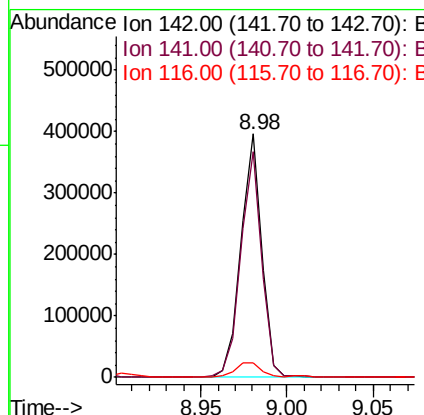
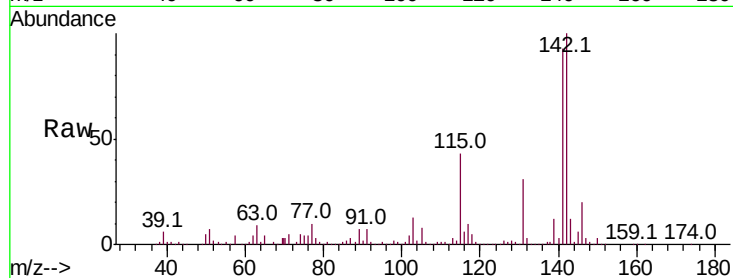
#38  
1-Methylnaphthalene  
Concen: 23.307 ng m  
RT: 8.98 min Scan# 1172  
Delta R.T. -0.00 min  
Lab File: BF118069.D  
Acq: 3 Dec 2019 18:29

Instrument :  
BNA\_F  
ClientSampled :  
MW-3

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 92.5  | 73.6  | 110.4 |
| 116     | 5.7   | 3.1   | 4.7#  |

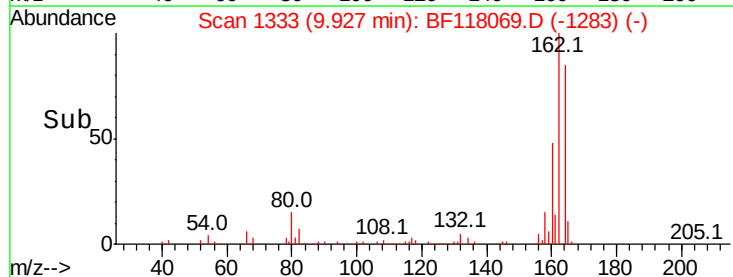
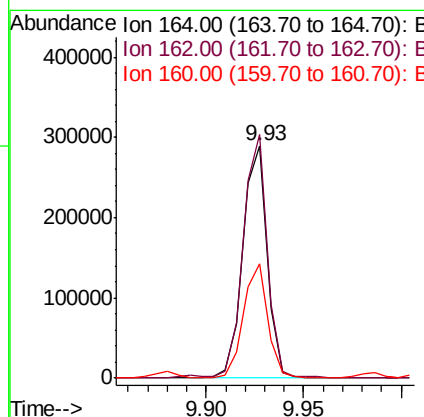
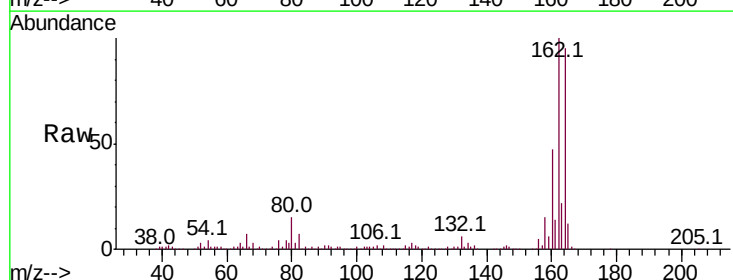
Manual Integrations  
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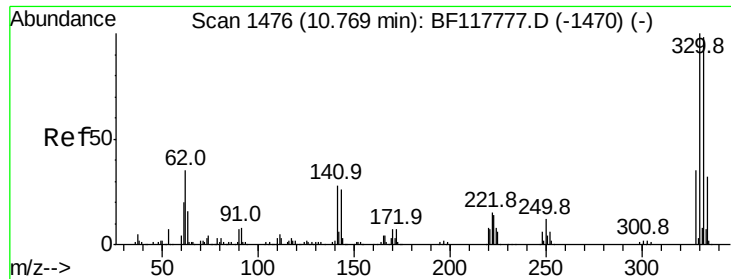
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#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.93 min Scan# 1333  
Delta R.T. -0.01 min  
Lab File: BF118069.D  
Acq: 3 Dec 2019 18:29

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 104.7 | 81.8  | 122.8 |
| 160     | 49.0  | 35.9  | 53.9  |





#42

2,4,6-Tribromophenol

Concen: 137.623 ng

RT: 10.72 min Scan# 1468

Delta R.T. -0.00 min

Lab File: BF118069.D

Acq: 3 Dec 2019 18:29

Instrument :

BNA\_F

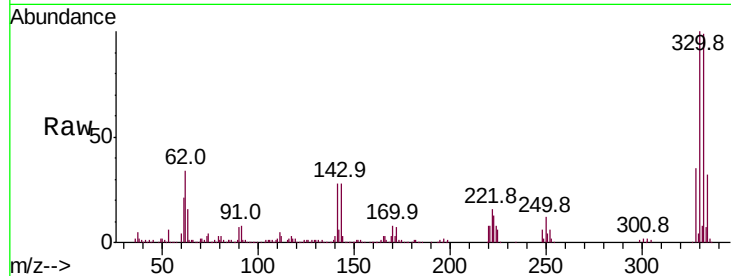
ClientSampled :

MW-3

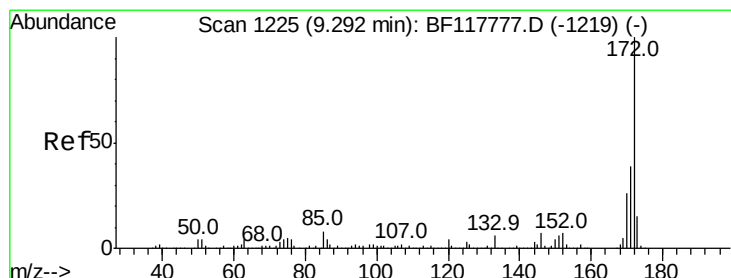
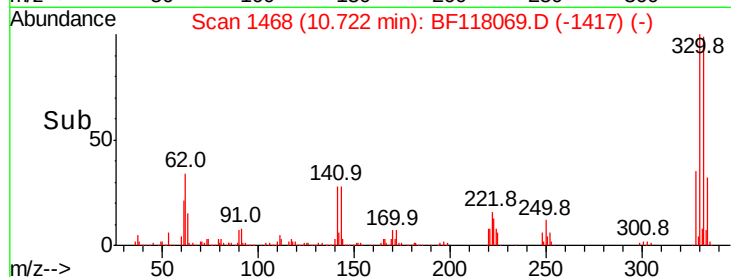
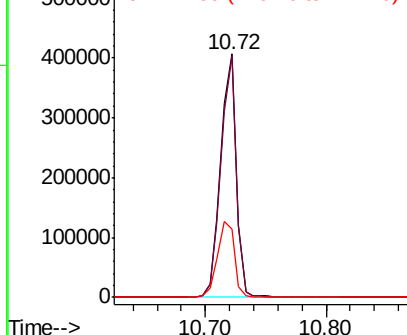
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 330   | Resp: | 363704 |
| Ion Ratio | Lower | Upper |        |
| 330       | 100   |       |        |
| 332       | 97.4  | 78.3  | 117.5  |
| 141       | 34.1  | 26.4  | 39.6   |

Manual Integrations  
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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



#45

2-Fluorobiphenyl

Concen: 91.843 ng

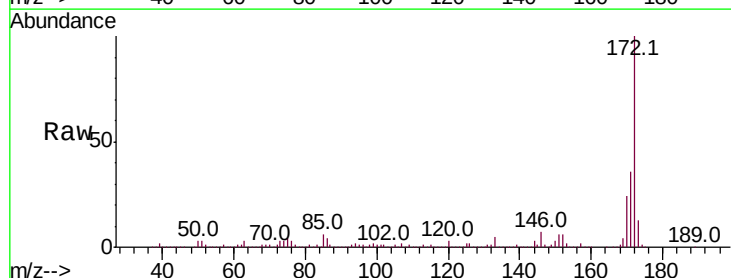
RT: 9.25 min Scan# 1217

Delta R.T. -0.00 min

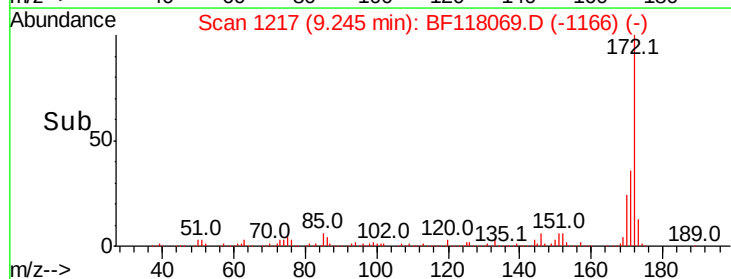
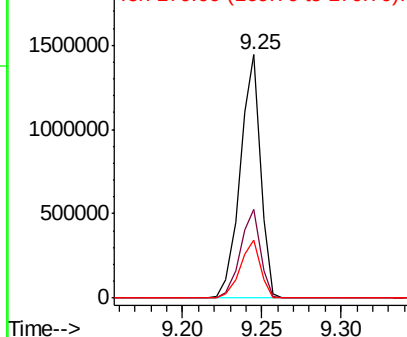
Lab File: BF118069.D

Acq: 3 Dec 2019 18:29

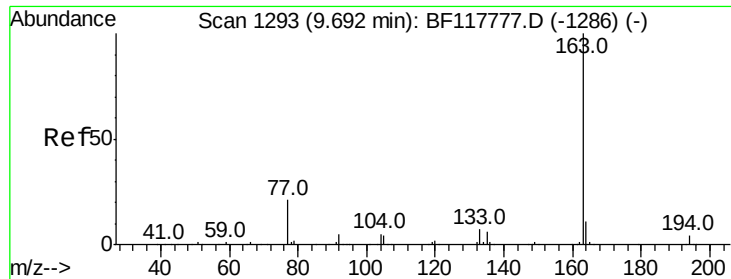
|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 172   | Resp: | 1277921 |
| Ion Ratio | Lower | Upper |         |
| 172       | 100   |       |         |
| 171       | 36.2  | 29.2  | 43.8    |
| 170       | 23.9  | 19.3  | 28.9    |



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







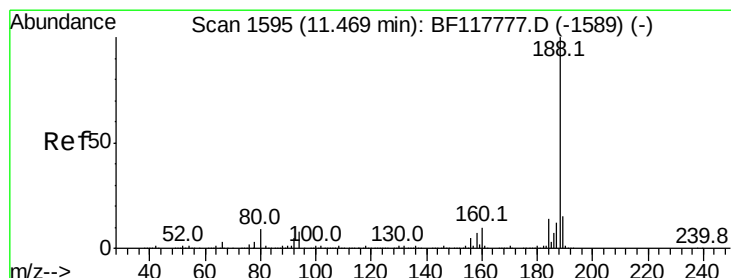
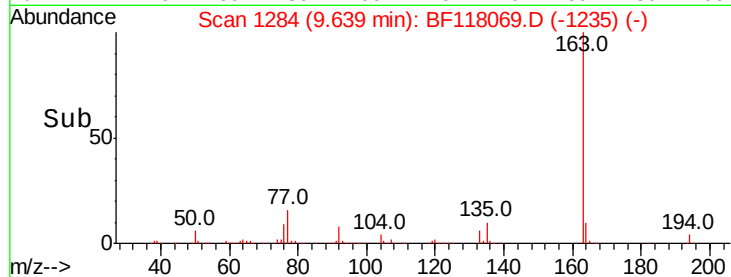
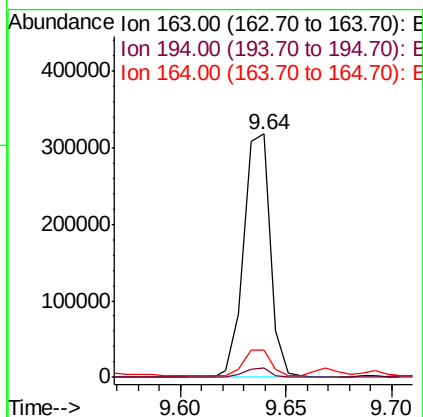
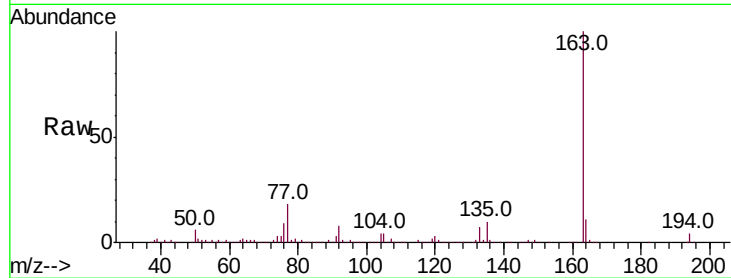
#50  
Dimethylphthalate  
Concen: 15.961 ng  
RT: 9.64 min Scan# 1284  
Delta R.T. -0.01 min  
Lab File: BF118069.D  
Acq: 3 Dec 2019 18:29

Instrument :  
BNA\_F  
ClientSampleId :  
MW-3

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 163     | 100   | 279390 |       |       |
| 194     | 4.1   |        | 3.1   | 4.7   |
| 164     | 11.3  |        | 7.9   | 11.9  |

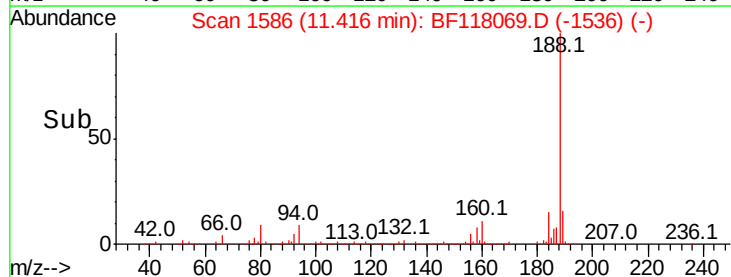
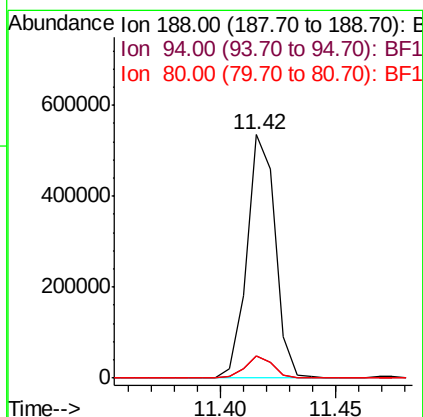
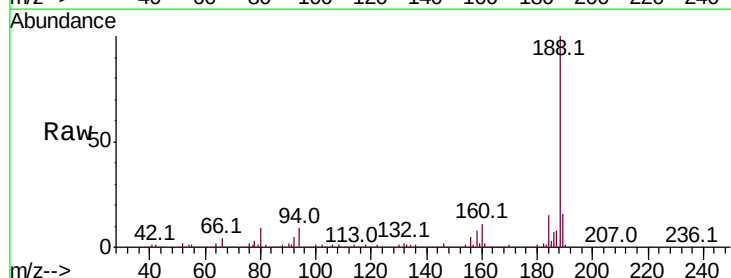
Manual Integrations  
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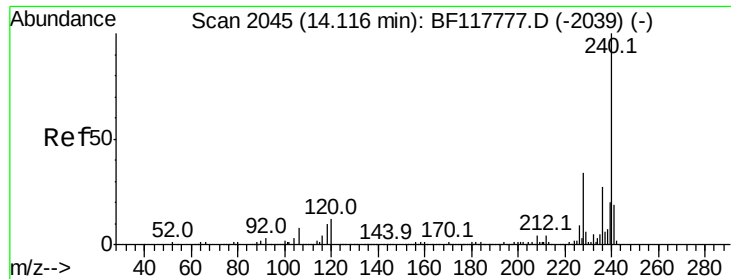
mohammad  
12/4/2019 5:01:37 PM



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.42 min Scan# 1586  
Delta R.T. -0.01 min  
Lab File: BF118069.D  
Acq: 3 Dec 2019 18:29

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 188     | 100   | 460040 |       |       |
| 94      | 8.9   |        | 7.0   | 10.6  |
| 80      | 9.3   |        | 7.2   | 10.8  |





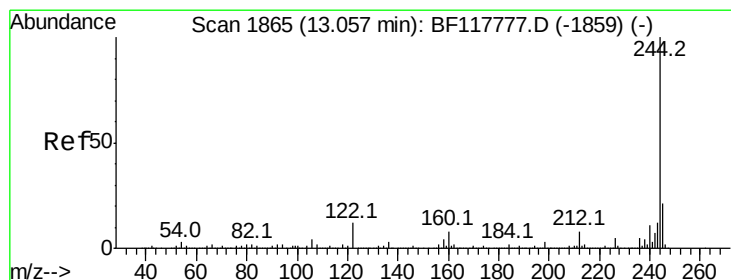
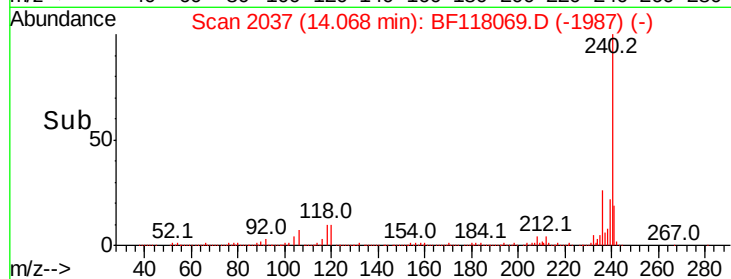
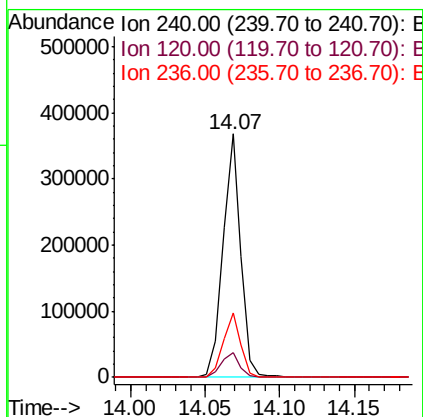
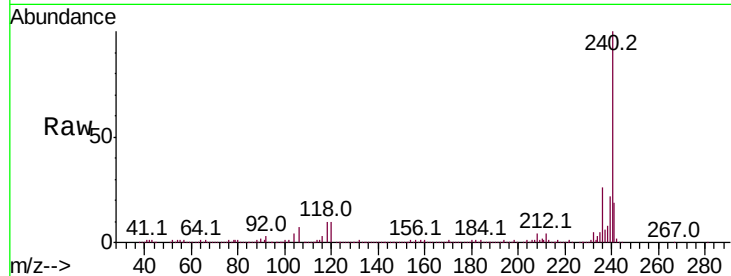
#76  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 14.07 min Scan# 2037  
 Delta R.T. -0.01 min  
 Lab File: BF118069.D  
 Acq: 3 Dec 2019 18:29

Instrument :  
 BNA\_F  
 ClientSampled :  
 MW-3

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 10.4  | 8.4   | 12.6  |
| 236     | 26.2  | 20.6  | 31.0  |

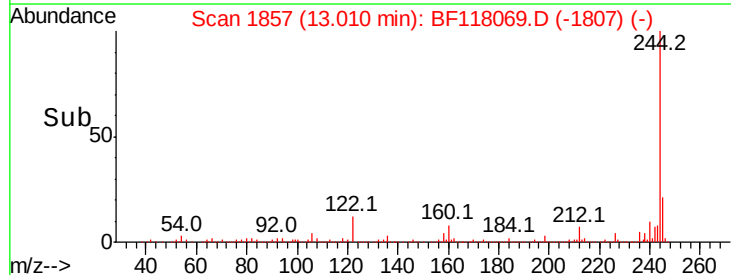
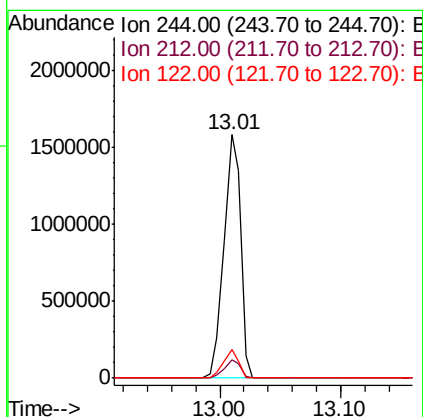
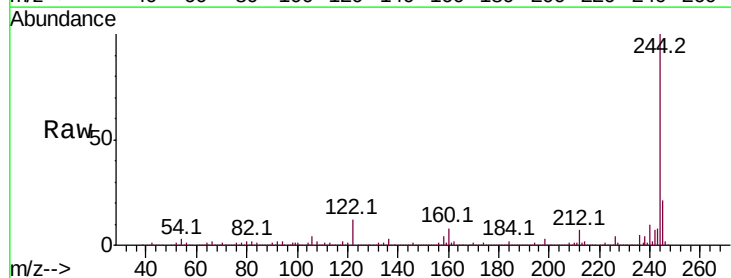
Manual Integrations  
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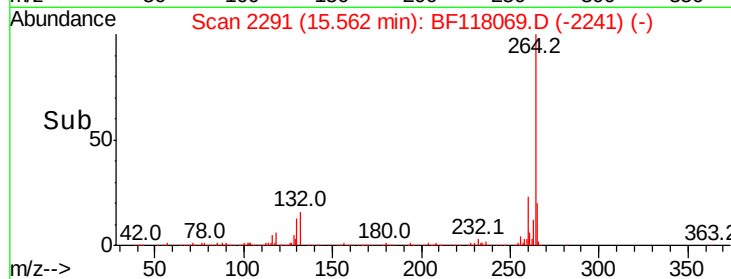
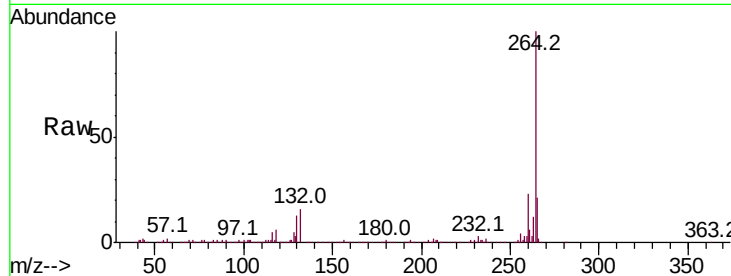
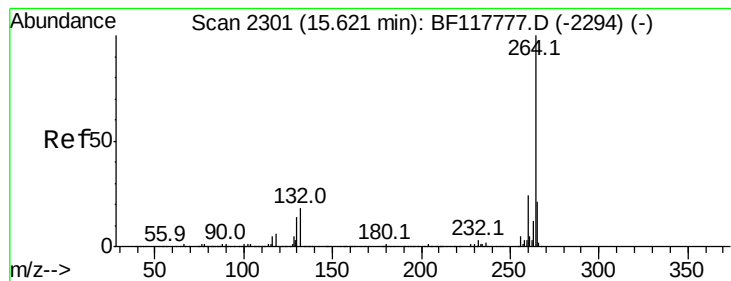
mohammad  
 12/4/2019 5:01:37 PM



#79  
 Terphenyl-d14  
 Concen: 89.623 ng  
 RT: 13.01 min Scan# 1857  
 Delta R.T. -0.01 min  
 Lab File: BF118069.D  
 Acq: 3 Dec 2019 18:29

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 7.3   | 5.2   | 7.8   |
| 122     | 12.0  | 7.2   | 10.8# |





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.56 min Scan# 2291

Delta R.T. -0.01 min

Lab File: BF118069.D

Acq: 3 Dec 2019 18:29

Instrument :

BNA\_F

ClientSampleId :

MW-3

Tot Ion: 264 Resp: 311478

Ion Ratio Lower Upper

264 100

260 23.3 19.0 28.6

265 20.6 16.4 24.6

Manual Integrations

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