

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112019\  
 Data File : BF117887.D  
 Acq On : 20 Nov 2019 12:37  
 Operator : JU  
 Sample : K5908-01  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 B-8D-(12-18)

Manual Integrations  
 APPROVED

mohammad  
 11/21/2019 1:05:04 PM

Quant Time: Nov 21 03:14:08 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Nov 13 18:36:07 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.92  | 152  | 170606   | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8             | 8.20  | 136  | 652210   | 20.00  | ng    | -0.01    |
| 39) Acenaphthene-d10           | 9.96  | 164  | 313519   | 20.00  | ng    | -0.01    |
| 64) Phenanthrene-d10           | 11.46 | 188  | 467853   | 20.00  | ng    | -0.01    |
| 76) Chrysene-d12               | 14.10 | 240  | 297389   | 20.00  | ng    | -0.01    |
| 87) Perylene-d12               | 15.62 | 264  | 364875   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.53  | 112  | 994790   | 103.21 | ng    | 0.00     |
| 7) Phenol-d6                   | 6.54  | 99   | 1258521  | 108.26 | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.47  | 82   | 772833   | 70.44  | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol       | 10.76 | 330  | 313415   | 94.43  | ng    | -0.01    |
| 45) 2-Fluorobiphenyl           | 9.28  | 172  | 1425258  | 81.56  | ng    | -0.01    |
| 79) Terphenyl-d14              | 13.05 | 244  | 1078080  | 66.25  | ng    | -0.01    |
| Target Compounds               |       |      |          |        |       |          |
| 10) Phenol                     | 6.55  | 94   | 72264    | 5.982  | ng    | 89       |
| 50) Dimethylphthalate          | 9.67  | 163  | 219354   | 9.977  | ng    | 98       |
| 71) Phenanthrene               | 11.48 | 178  | 75871    | 3.226  | ng    | 95       |
| 74) Di-n-butylphthalate        | 12.02 | 149  | 52756    | 2.079  | ng    | 99       |
| 78) Pyrene                     | 12.90 | 202  | 61415    | 2.555  | ng    | 99       |
| 84) Bis(2-ethylhexyl)phthalate | 14.08 | 149  | 186693   | 14.918 | ng    | 96       |
| 88) Benzo(b)fluoranthene       | 15.16 | 252  | 47708m   | 2.012  | ng    |          |

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

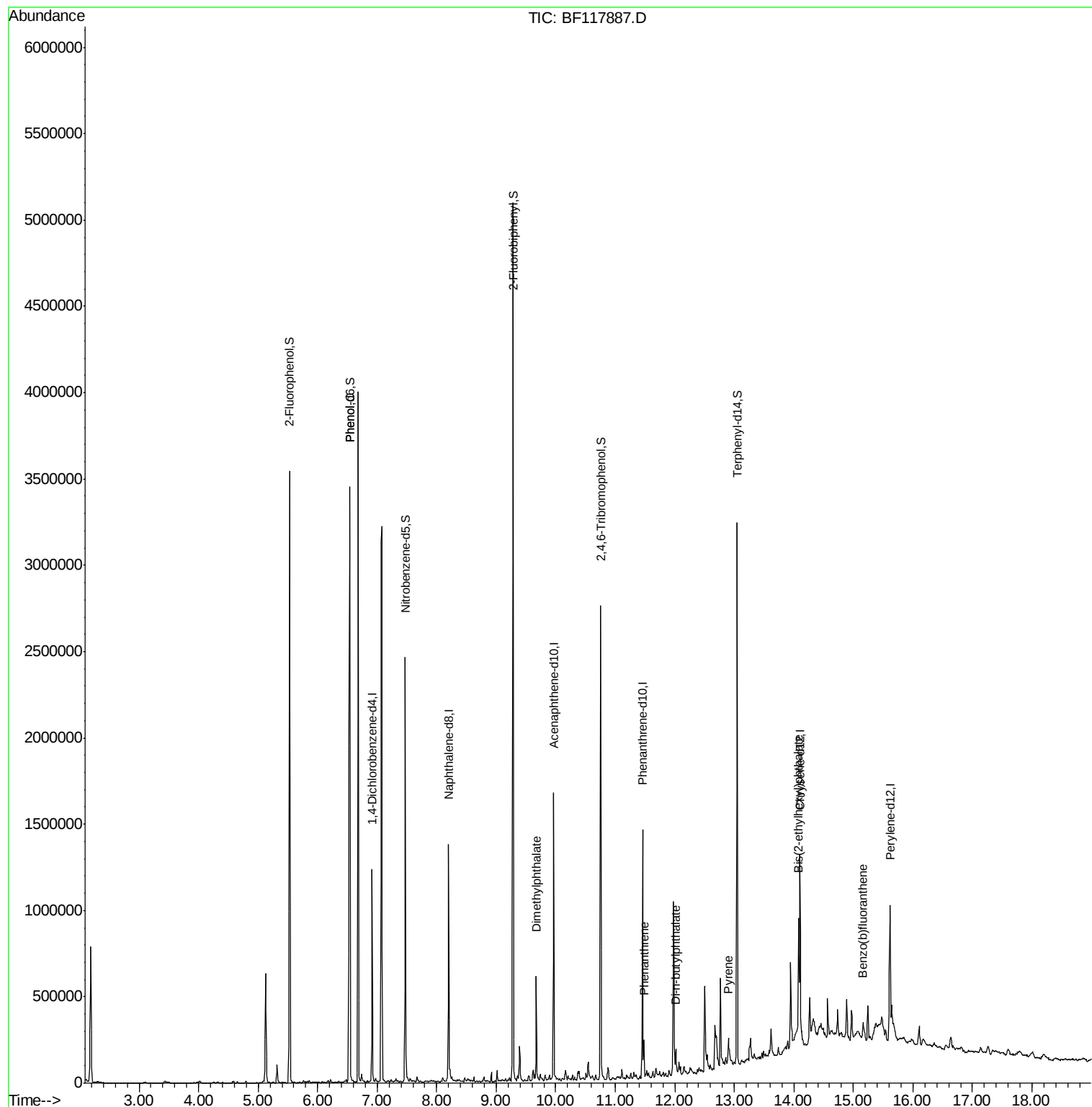
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112019\  
Data File : BF117887.D  
Acq On : 20 Nov 2019 12:37  
Operator : JU  
Sample : K5908-01  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

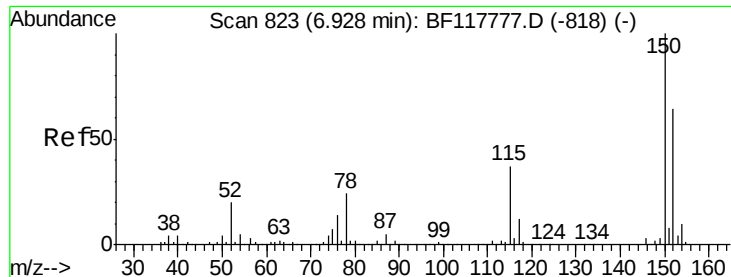
Instrument :  
BNA\_F  
ClientSampleId :  
B-8D-(12-18)

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Quant Time: Nov 21 03:14:08 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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#1

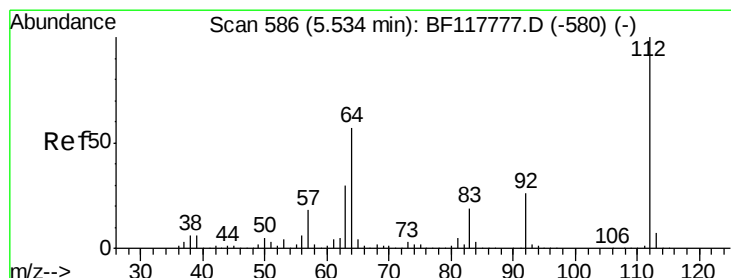
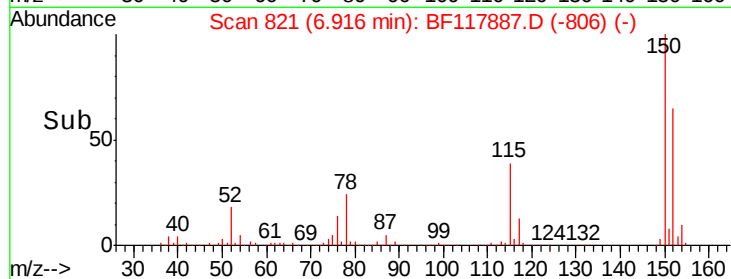
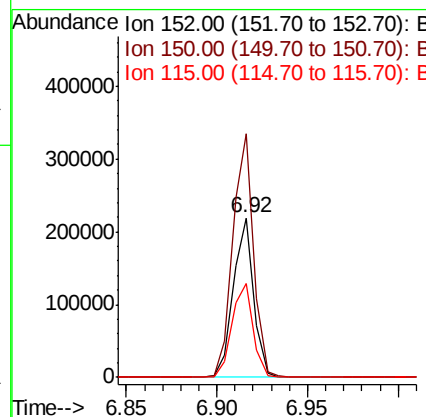
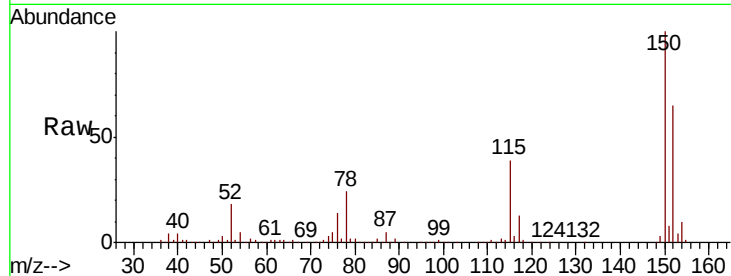
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.92 min Scan# 821  
Delta R.T. -0.01 min  
Lab File: BF117887.D  
Acq: 20 Nov 2019 12:37

Instrument :  
BNA\_F  
ClientSampleId :  
B-8D-(12-18)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 152.9 | 125.3 | 187.9 |
| 115     | 59.2  | 47.0  | 70.4  |

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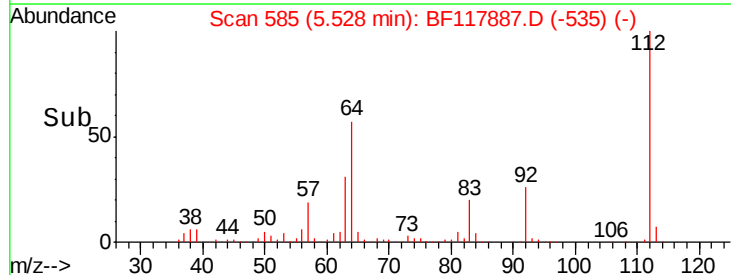
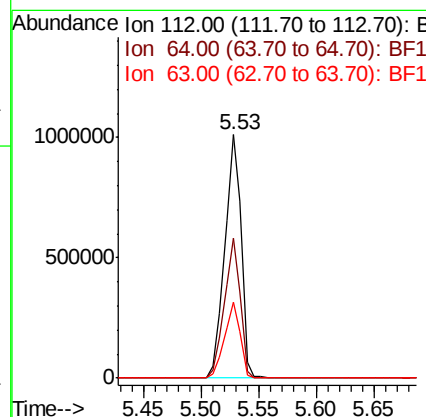
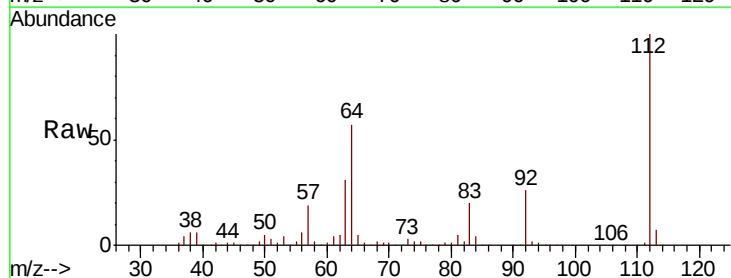
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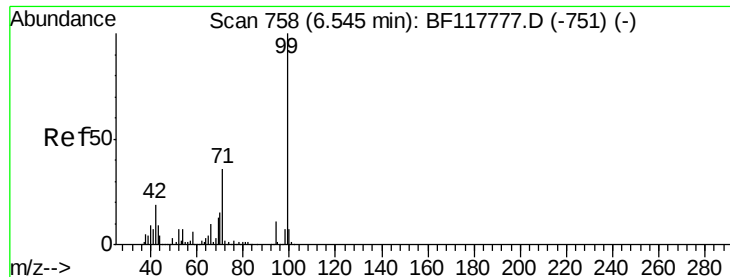


#5

2-Fluorophenol  
Concen: 103.213 ng  
RT: 5.53 min Scan# 585  
Delta R.T. -0.01 min  
Lab File: BF117887.D  
Acq: 20 Nov 2019 12:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 57.2  | 45.6  | 68.4  |
| 63      | 31.0  | 24.1  | 36.1  |





#7

Phenol-d6

Concen: 108.258 ng

RT: 6.54 min Scan# 757

Delta R.T. -0.01 min

Lab File: BF117887.D

Acq: 20 Nov 2019 12:37

Instrument :

BNA\_F

ClientSampleId :

B-8D-(12-18)

Tot Ion: 99 Resp: 1258521

Ion Ratio Lower Upper

99 100

42 17.8 14.9 22.3

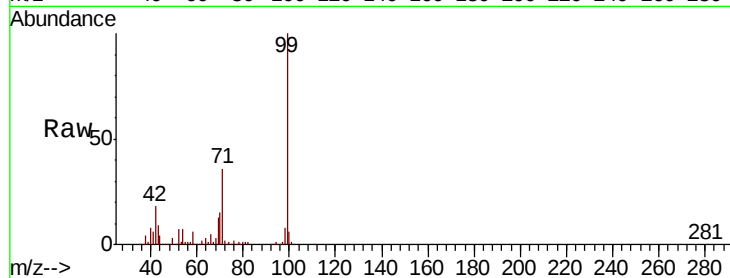
71 35.7 28.6 43.0

Manual Integrations

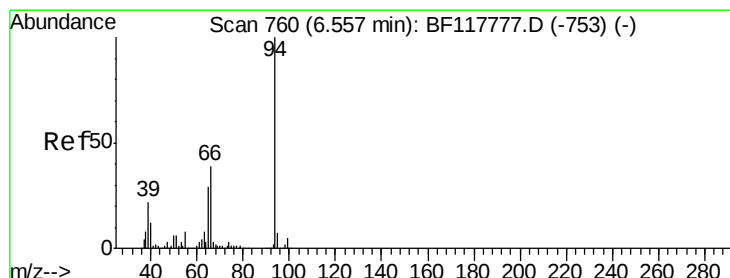
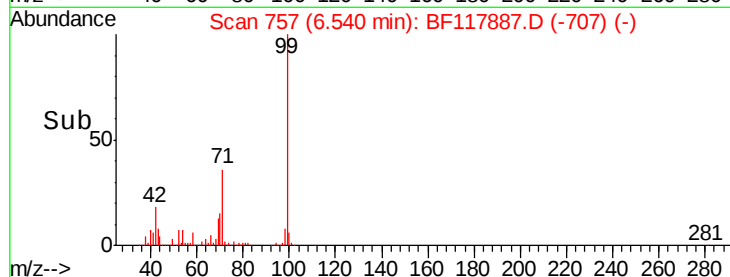
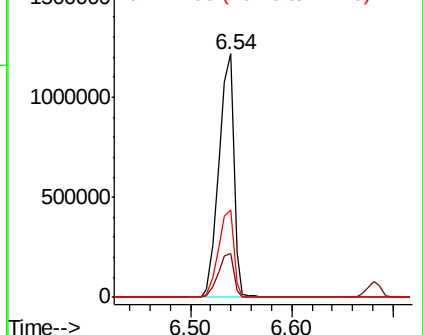
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Abundance Ion 99.00 (98.70 to 99.70): BF1  
Ion 42.00 (41.70 to 42.70): BF1  
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 5.982 ng

RT: 6.55 min Scan# 758

Delta R.T. -0.01 min

Lab File: BF117887.D

Acq: 20 Nov 2019 12:37

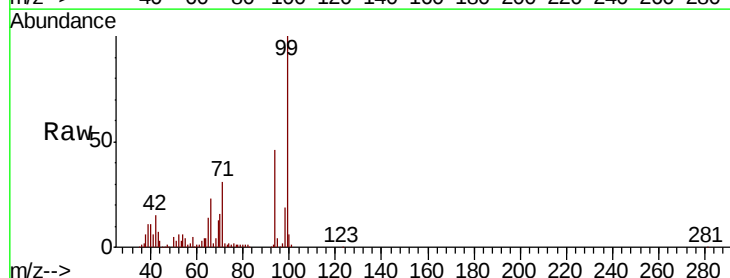
Tgt Ion: 94 Resp: 72264

Ion Ratio Lower Upper

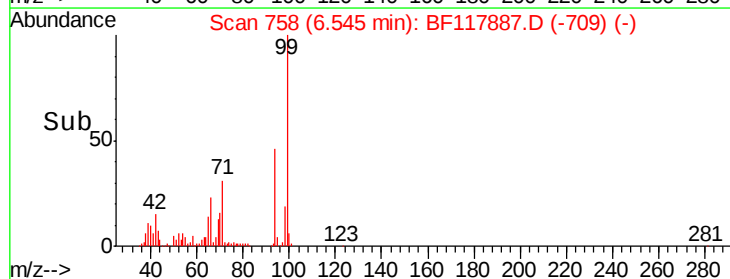
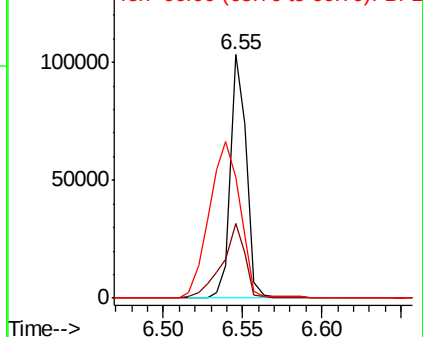
94 100

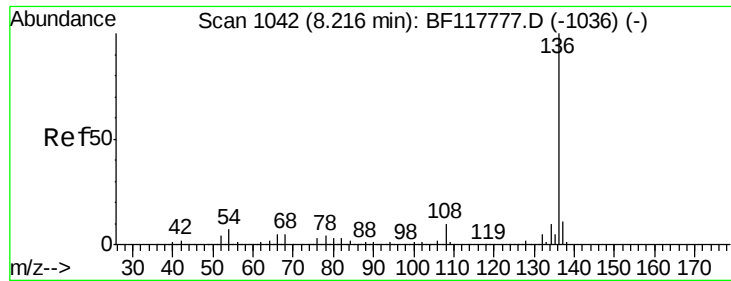
65 30.5 8.9 48.9

66 49.4 18.7 58.7



Abundance Ion 94.00 (93.70 to 94.70): BF1  
Ion 65.00 (64.70 to 65.70): BF1  
Ion 66.00 (65.70 to 66.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.20 min Scan# 1040

Delta R.T. -0.01 min

Lab File: BF117887.D

Acq: 20 Nov 2019 12:37

Instrument :

BNA\_F

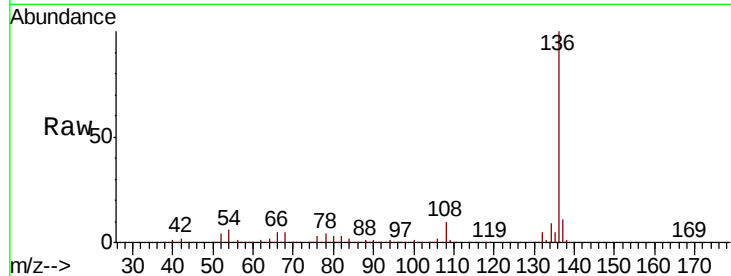
ClientSampleId :

B-8D-(12-18)

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 136     | 100  |       | 652210 |       |       |
| 137     | 10.6 |       | 9.0    | 13.4  |       |
| 54      | 6.2  |       | 5.4    | 8.2   |       |
| 68      | 5.1  |       | 4.3    | 6.5   |       |

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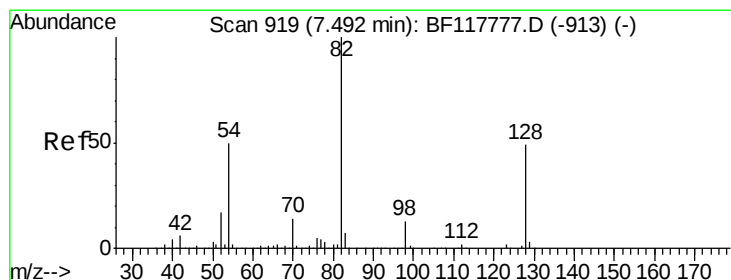
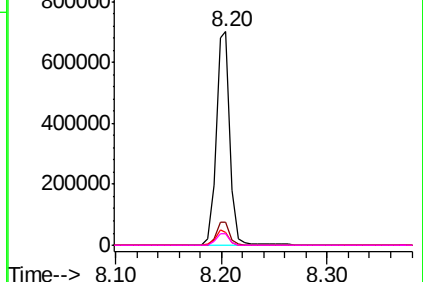
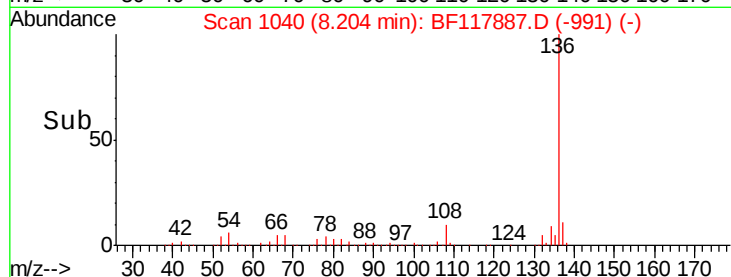


Abundance Ion 136.00 (135.70 to 136.70): E

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: 70.440 ng

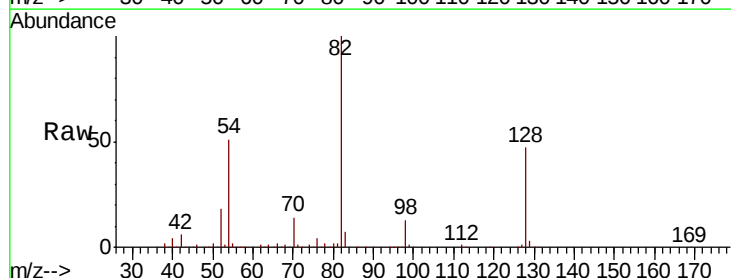
RT: 7.47 min Scan# 916

Delta R.T. -0.02 min

Lab File: BF117887.D

Acq: 20 Nov 2019 12:37

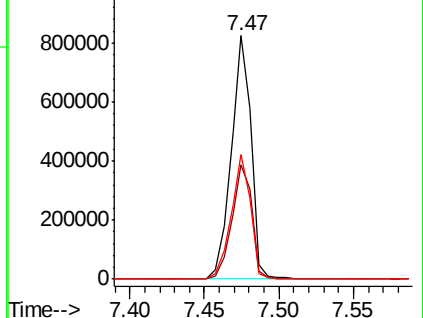
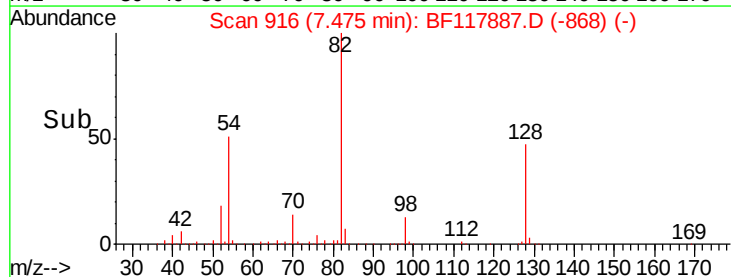
| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 82      | 100  |       | 772833 |       |       |
| 128     | 47.0 |       | 38.9   | 58.3  |       |
| 54      | 51.3 |       | 39.8   | 59.6  |       |



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





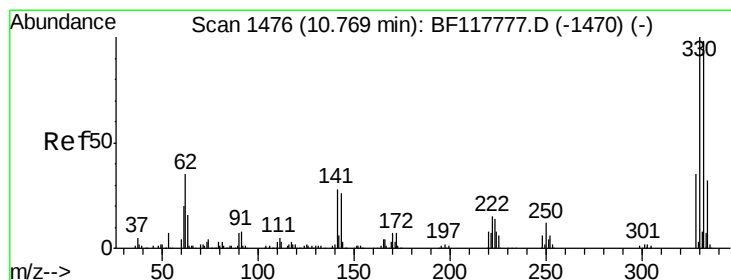
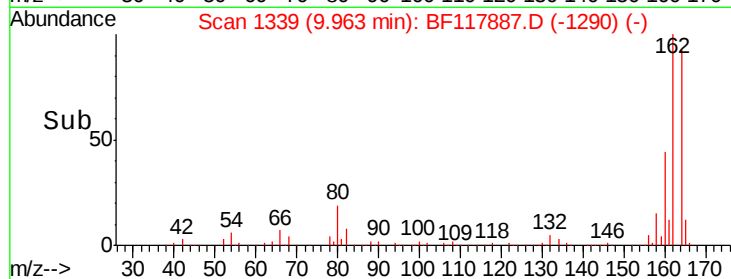
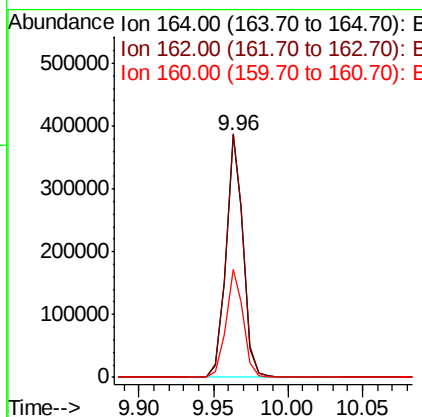
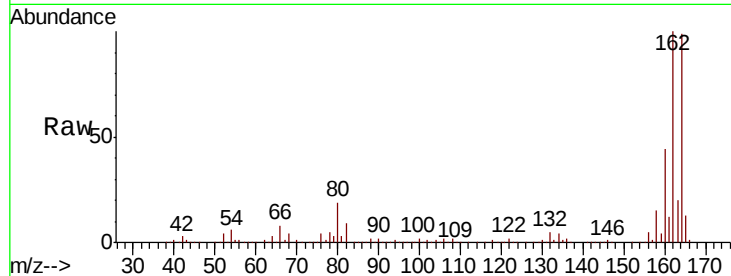
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.96 min Scan# 1339  
Delta R.T. -0.01 min  
Lab File: BF117887.D  
Acq: 20 Nov 2019 12:37

Instrument :  
BNA\_F  
ClientSampleId :  
B-8D-(12-18)

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 164     | 100   |      |       |       |
| 162     | 100.6 | 81.3 | 121.9 |       |
| 160     | 44.4  | 36.6 | 55.0  |       |

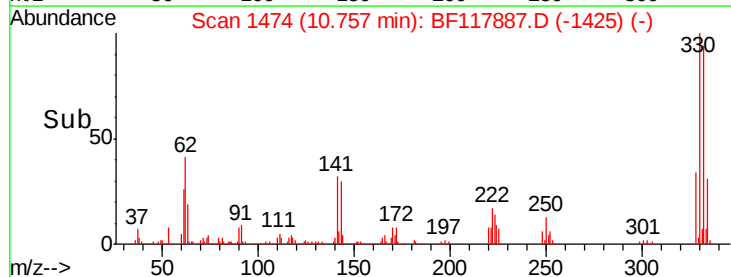
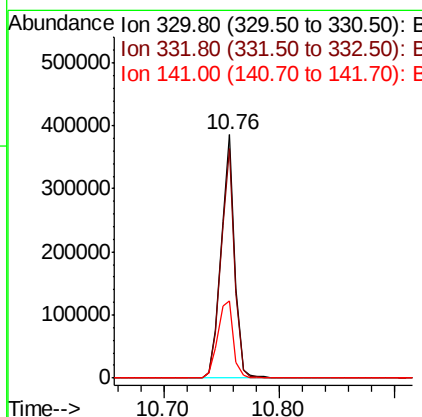
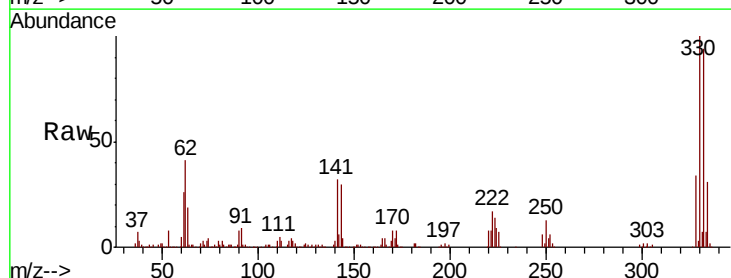
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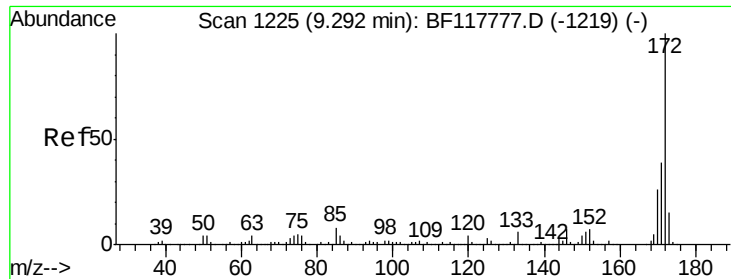
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#42  
2,4,6-Tribromophenol  
Concen: 94.425 ng  
RT: 10.76 min Scan# 1474  
Delta R.T. -0.01 min  
Lab File: BF117887.D  
Acq: 20 Nov 2019 12:37

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 330     | 100   |      |       |       |
| 332     | 95.4  | 76.7 | 115.1 |       |
| 141     | 37.1  | 27.7 | 41.5  |       |





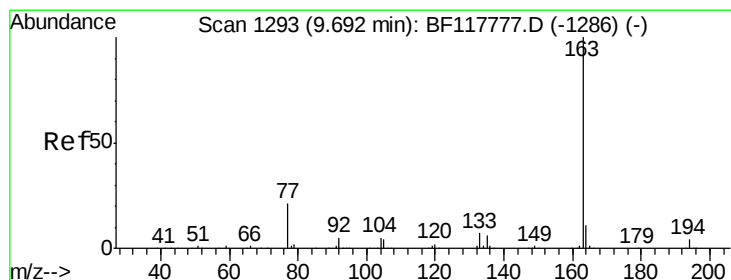
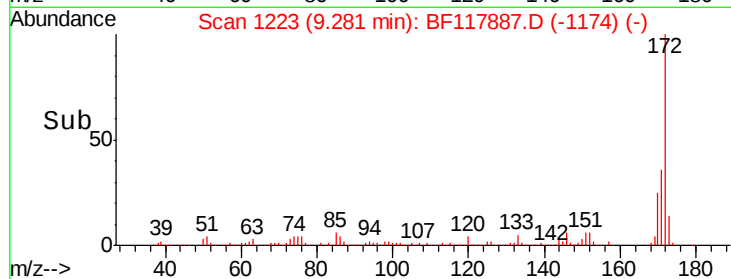
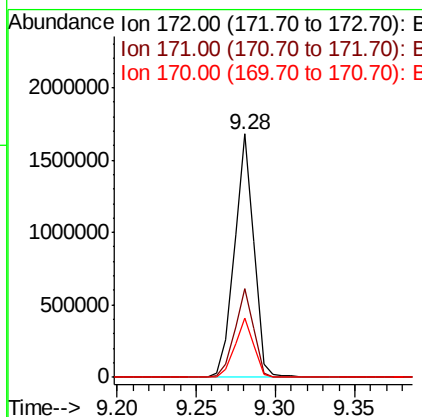
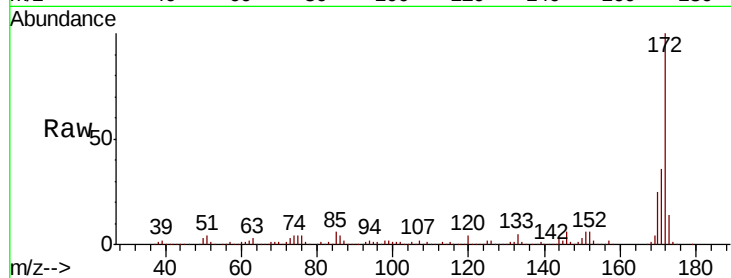
#45  
2-Fluorobiphenyl  
Concen: 81.557 ng  
RT: 9.28 min Scan# 1223  
Delta R.T. -0.01 min  
Lab File: BF117887.D  
Acq: 20 Nov 2019 12:37

Instrument :  
BNA\_F  
ClientSampleId :  
B-8D-(12-18)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.4  | 30.9  | 46.3  |
| 170     | 24.6  | 21.0  | 31.4  |

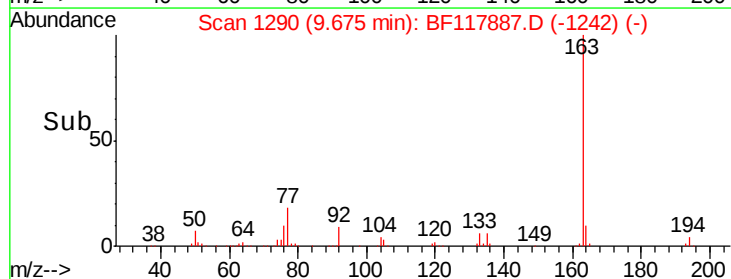
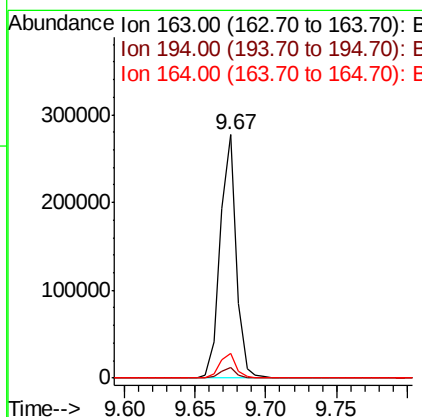
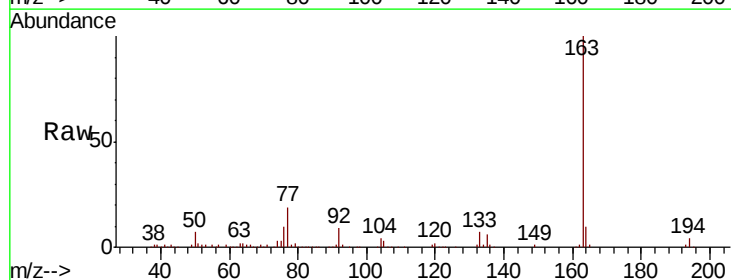
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#50  
Dimethylphthalate  
Concen: 9.977 ng  
RT: 9.67 min Scan# 1290  
Delta R.T. -0.02 min  
Lab File: BF117887.D  
Acq: 20 Nov 2019 12:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 4.3   | 3.3   | 4.9   |
| 164     | 10.1  | 8.7   | 13.1  |





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.46 min Scan# 1593

Delta R.T. -0.01 min

Lab File: BF117887.D

Acq: 20 Nov 2019 12:37

Instrument :

BNA\_F

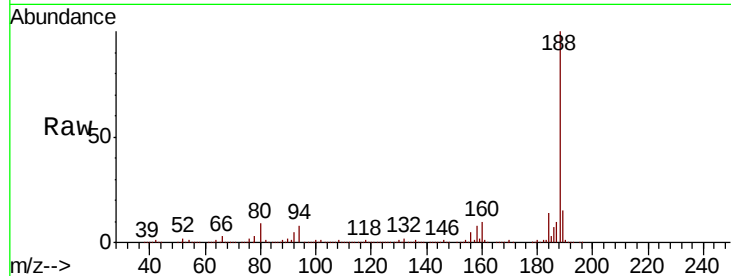
ClientSampleId :

B-8D-(12-18)

|             |       |        |
|-------------|-------|--------|
| Tot Ion:188 | Resp: | 467853 |
| Ion Ratio   | Lower | Upper  |
| 188 100     |       |        |
| 94 8.0      | 6.6   | 10.0   |
| 80 8.7      | 7.2   | 10.8   |

Manual Integrations  
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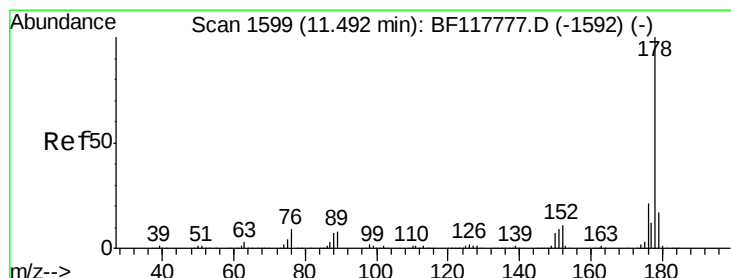
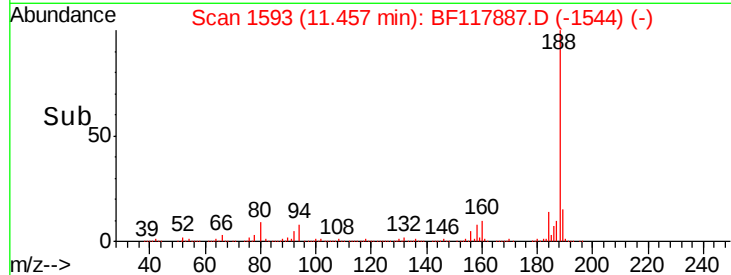
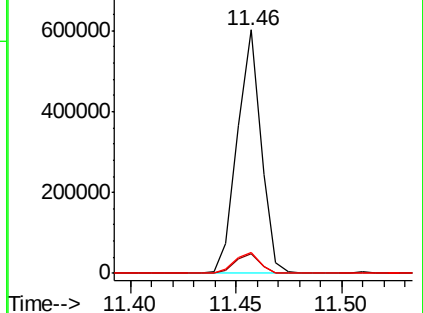
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11/21/2019 1:05:04 PM



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#71

Phenanthrene

Concen: 3.226 ng

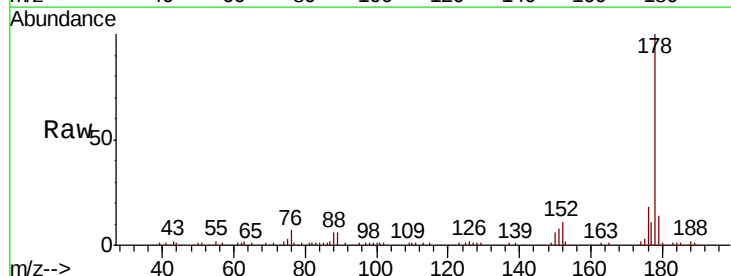
RT: 11.48 min Scan# 1597

Delta R.T. -0.01 min

Lab File: BF117887.D

Acq: 20 Nov 2019 12:37

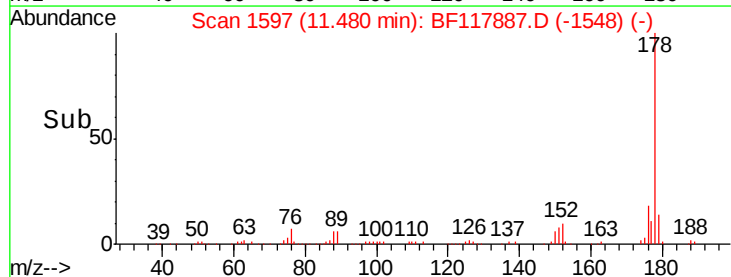
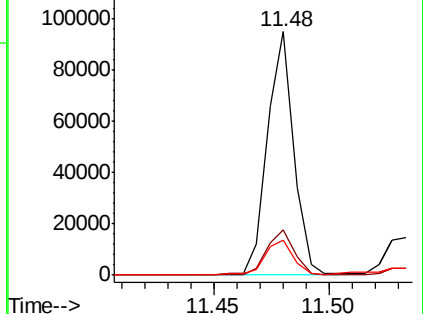
|             |       |       |
|-------------|-------|-------|
| Tgt Ion:178 | Resp: | 75871 |
| Ion Ratio   | Lower | Upper |
| 178 100     |       |       |
| 176 18.5    | 16.6  | 25.0  |
| 179 14.1    | 13.2  | 19.8  |

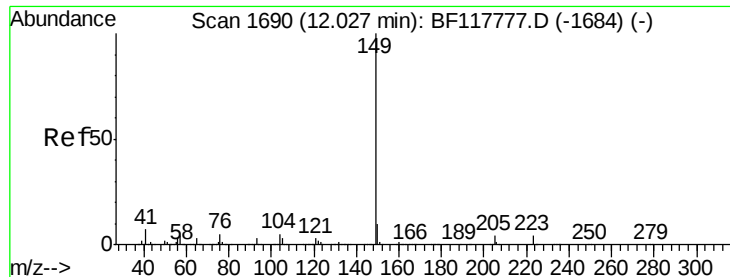


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Di-n-butylphthalate

Concen: 2.079 ng

RT: 12.02 min Scan# 1688

Delta R.T. -0.01 min

Lab File: BF117887.D

Acq: 20 Nov 2019 12:37

Instrument :

BNA\_F

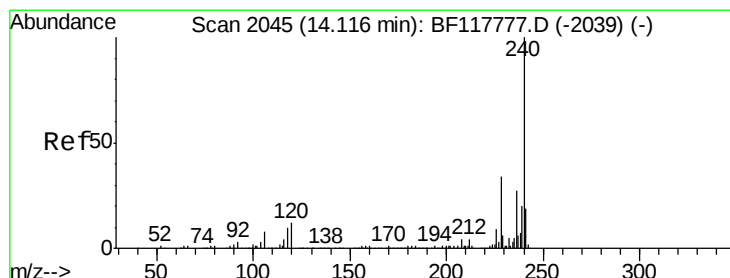
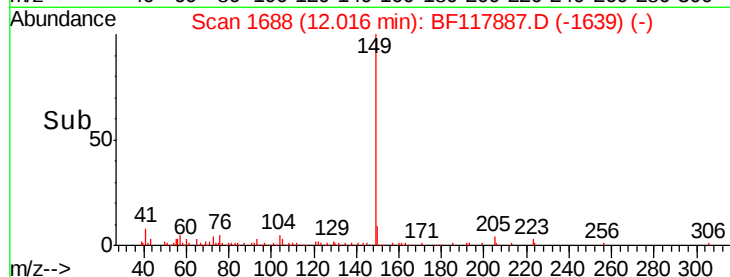
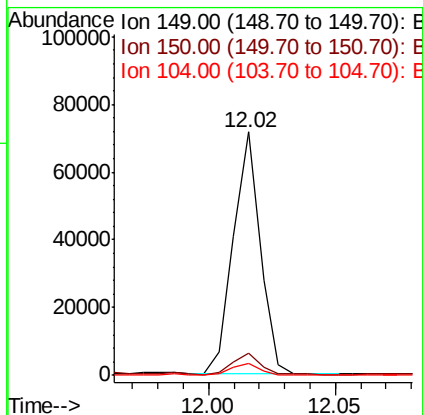
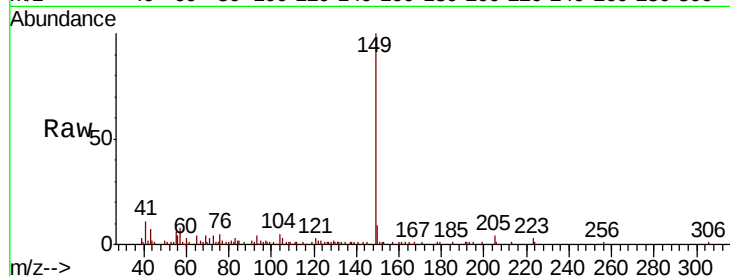
ClientSampleId :

B-8D-(12-18)

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 149   | Resp: | 52756 |
| Ion Ratio | Lower | Upper |       |
| 149       | 100   |       |       |
| 150       | 9.3   | 7.9   | 11.9  |
| 104       | 5.0   | 4.2   | 6.4   |

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#76

Chrysene-d12

Concen: 20.000 ng

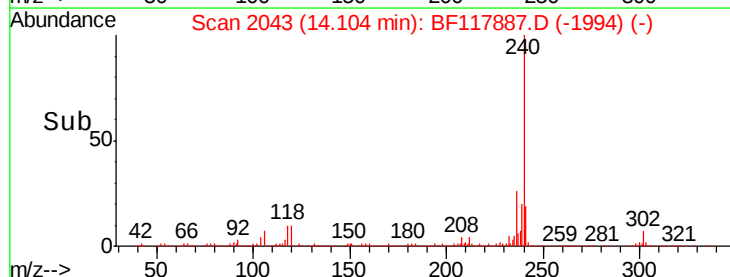
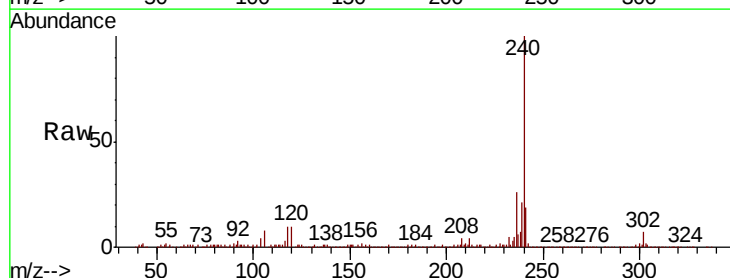
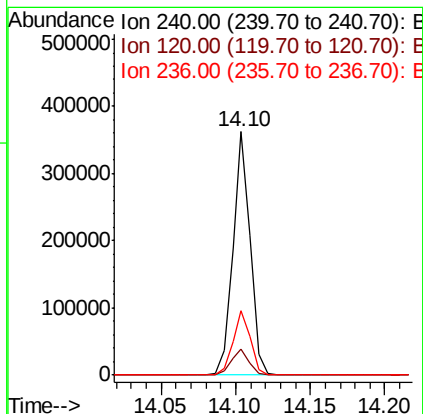
RT: 14.10 min Scan# 2043

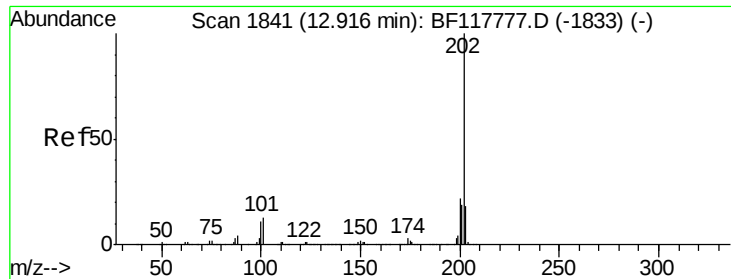
Delta R.T. -0.01 min

Lab File: BF117887.D

Acq: 20 Nov 2019 12:37

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 240   | Resp: | 297389 |
| Ion Ratio | Lower | Upper |        |
| 240       | 100   |       |        |
| 120       | 10.4  | 9.5   | 14.3   |
| 236       | 26.3  | 21.3  | 31.9   |





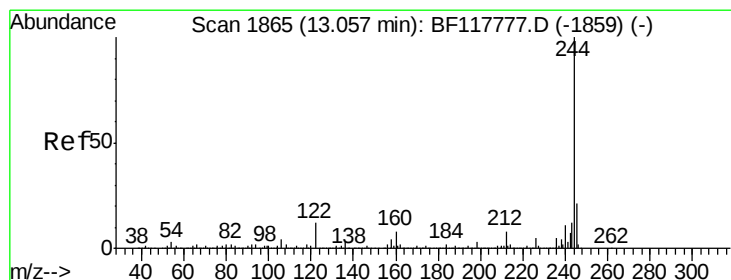
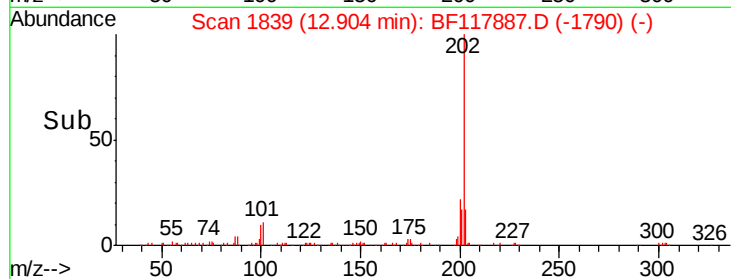
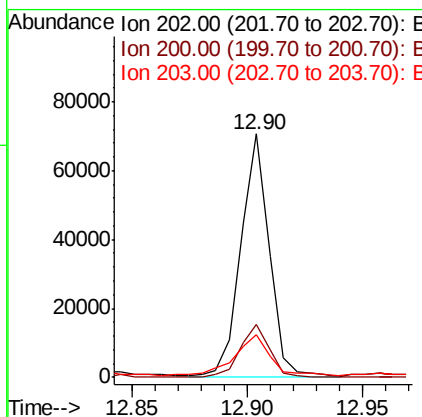
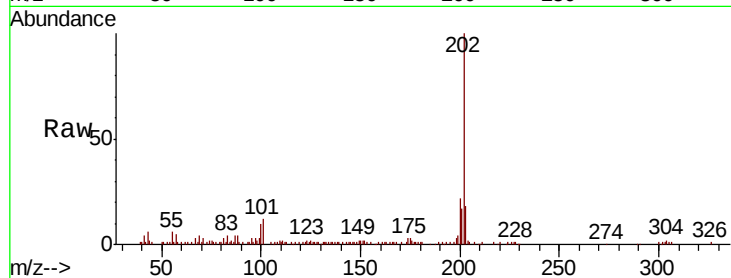
#78  
Pvrene  
Concen: 2.555 ng  
RT: 12.90 min Scan# 1839  
Delta R.T. -0.01 min  
Lab File: BF117887.D  
Acq: 20 Nov 2019 12:37

Instrument :  
BNA\_F  
ClientSampleId :  
B-8D-(12-18)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 21.7  | 17.8  | 26.8  |
| 203     | 17.6  | 14.6  | 22.0  |

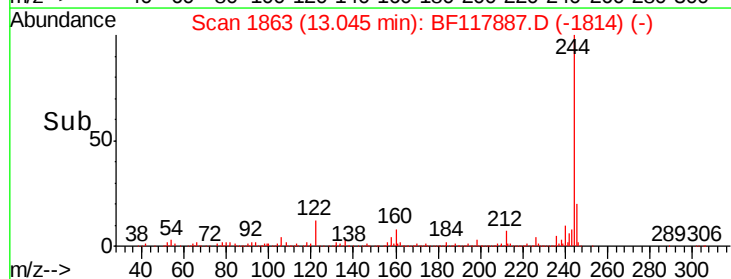
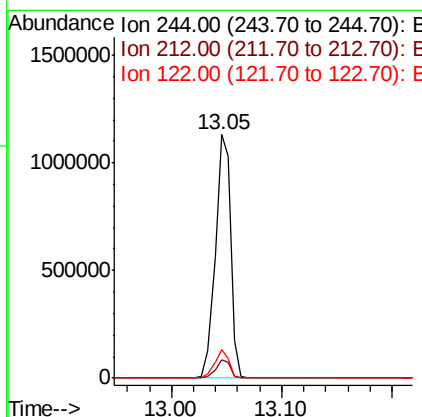
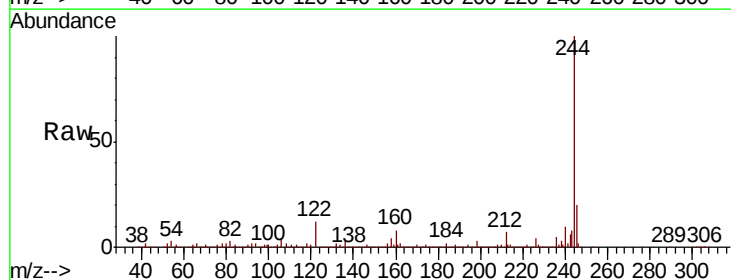
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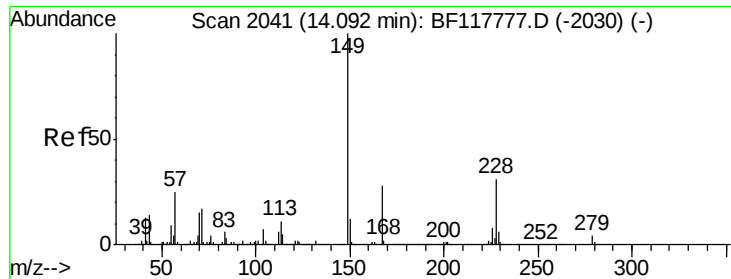
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#79  
Terphenyl-d14  
Concen: 66.254 ng  
RT: 13.05 min Scan# 1863  
Delta R.T. -0.01 min  
Lab File: BF117887.D  
Acq: 20 Nov 2019 12:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 7.5   | 6.3   | 9.5   |
| 122     | 11.6  | 9.4   | 14.2  |





#84

Bis(2-ethylhexyl)phthalate

Concen: 14.918 ng

RT: 14.08 min Scan# 2039

Delta R.T. -0.01 min

Lab File: BF117887.D

Acq: 20 Nov 2019 12:37

Instrument :

BNA\_F

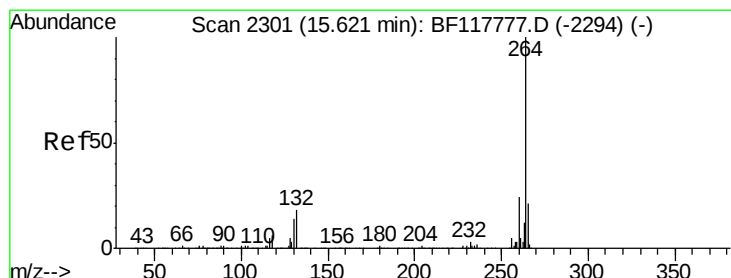
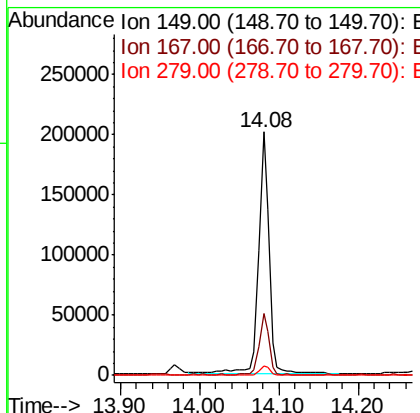
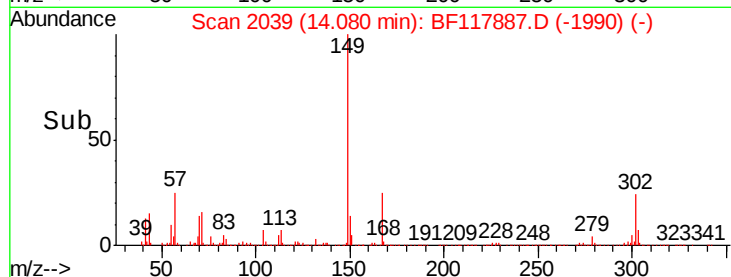
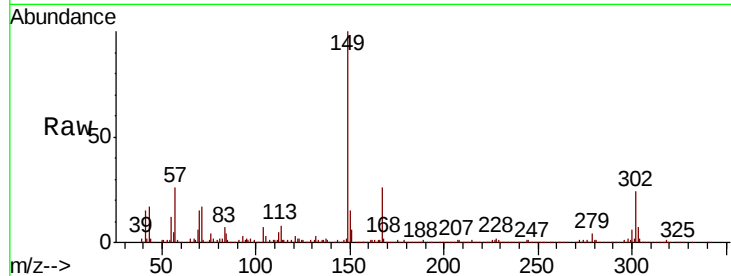
ClientSampleId :

B-8D-(12-18)

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 149   | Resp: | 186693 |
| Ion Ratio | Lower | Upper |        |
| 149       | 100   |       |        |
| 167       | 25.5  | 22.2  | 33.2   |
| 279       | 3.8   | 3.4   | 5.2    |

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#87

Perylene-d12

Concen: 20.000 ng

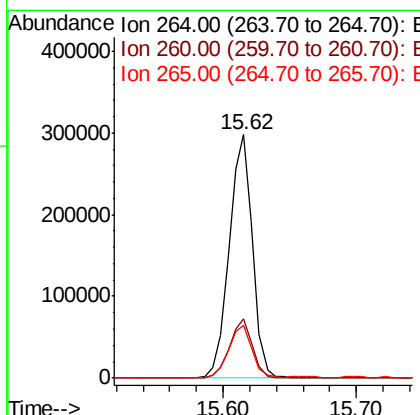
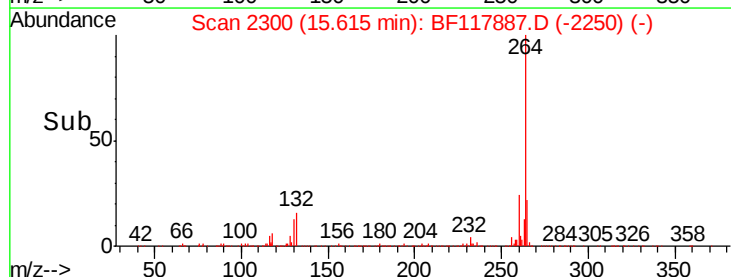
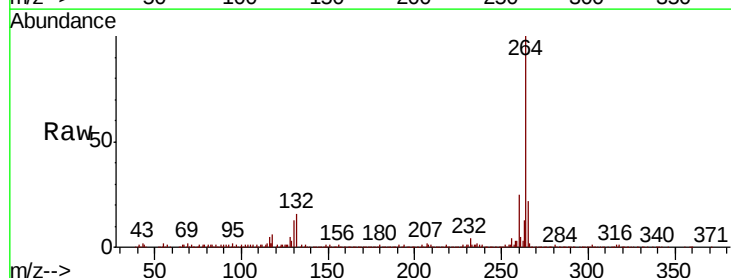
RT: 15.62 min Scan# 2300

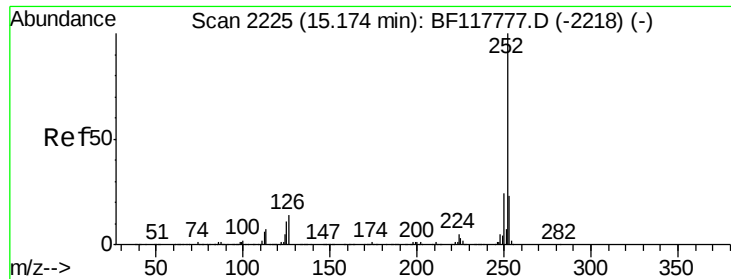
Delta R.T. -0.01 min

Lab File: BF117887.D

Acq: 20 Nov 2019 12:37

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 264   | Resp: | 364875 |
| Ion Ratio | Lower | Upper |        |
| 264       | 100   |       |        |
| 260       | 24.6  | 19.4  | 29.0   |
| 265       | 21.8  | 17.1  | 25.7   |





#88  
 Benzo(b)fluoranthene  
 Concen: 2.012 ng/ml  
 RT: 15.16 min Scan# 2223  
 Delta R.T. -0.01 min  
 Lab File: BF117887.D  
 Acq: 20 Nov 2019 12:37

Instrument :  
 BNA\_F  
 ClientSampleId :  
 B-8D-(12-18)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 25.2  | 18.0  | 27.0  |
| 125     | 14.5  | 8.6   | 13.0  |

Manual Integrations  
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