

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041020\  
 Data File : BF119905.D  
 Acq On : 10 Apr 2020 20:00  
 Operator : MA/SJ  
 Sample : L2180-01  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 NEWPORT-TP-7FT

Manual Integrations  
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 4/14/2020 3:39:18 PM

Quant Time: Apr 11 02:36:41 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Apr 10 13:48:19 2020  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.75  | 152  | 185317   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.03  | 136  | 713859   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10        | 9.79  | 164  | 318790   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10        | 11.28 | 188  | 572391   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12            | 13.92 | 240  | 376564   | 20.00 | ng    | -0.01    |
| 87) Perylene-d12            | 15.35 | 264  | 384894   | 20.00 | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.35  | 112  | 390939   | 36.46 | ng    | 0.00     |
| 7) Phenol-d6                | 6.38  | 99   | 519554   | 37.60 | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.31  | 82   | 335625   | 24.32 | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol    | 10.58 | 330  | 135822   | 34.80 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.11  | 172  | 587886   | 26.18 | ng    | -0.01    |
| 79) Terphenyl-d14           | 12.86 | 244  | 455285   | 20.34 | ng    | -0.01    |
| Target Compounds            |       |      |          |       |       |          |
| 50) Dimethylphthalate       | 9.51  | 163  | 126322   | 5.123 | ng    | 98       |
| 75) Fluoranthene            | 12.49 | 202  | 99295    | 3.021 | ng    | 96       |
| 78) Pyrene                  | 12.72 | 202  | 83235    | 2.622 | ng    | 97       |
| 88) Benzo(b)fluoranthene    | 14.94 | 252  | 55895m   | 2.019 | ng    |          |

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

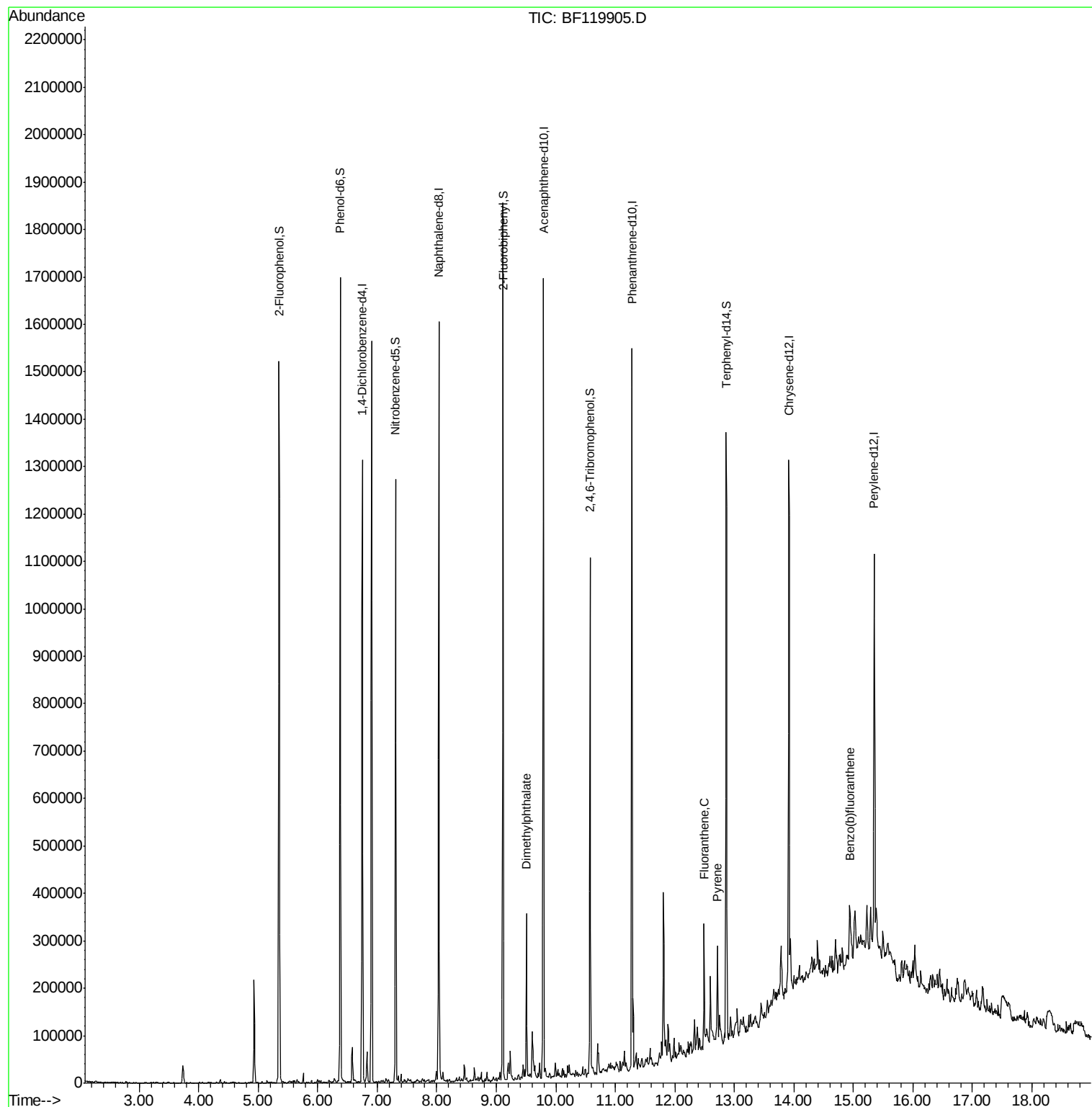
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041020\  
Data File : BF119905.D  
Acq On : 10 Apr 2020 20:00  
Operator : MA/SJ  
Sample : L2180-01  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

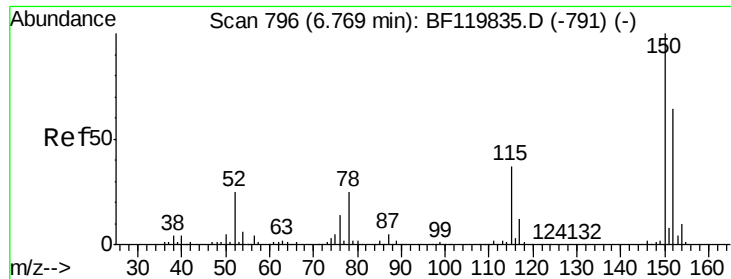
Instrument :  
BNA\_F  
ClientSampleId :  
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Quant Time: Apr 11 02:36:41 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Apr 10 13:48:19 2020  
Response via : Initial Calibration





#1

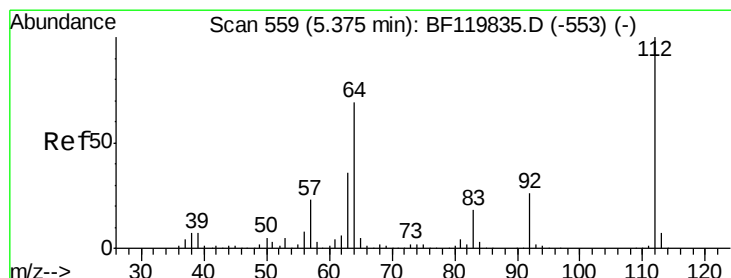
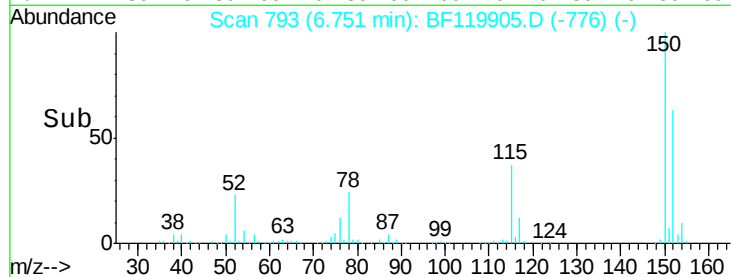
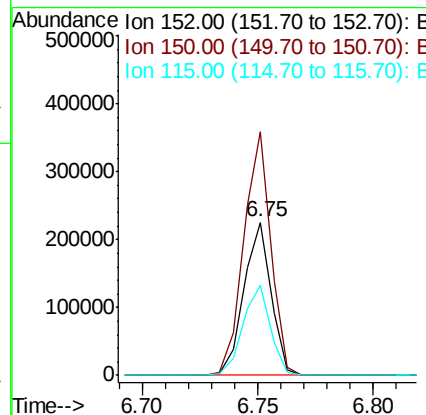
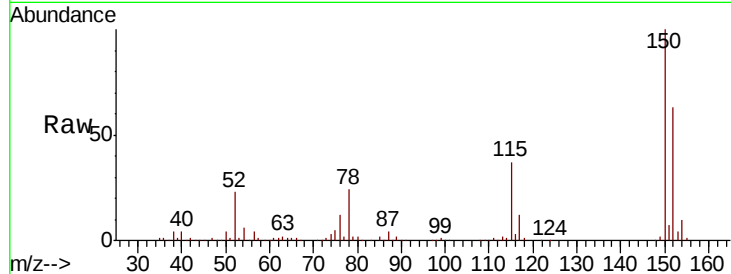
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.75 min Scan# 793  
Delta R.T. -0.00 min  
Lab File: BF119905.D  
Acq: 10 Apr 2020 20:00

Instrument :  
BNA\_F  
ClientSampleId :  
NEWPORT-TP-7FT

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 158.9 | 124.8 | 187.2 |
| 115     | 58.4  | 46.5  | 69.7  |

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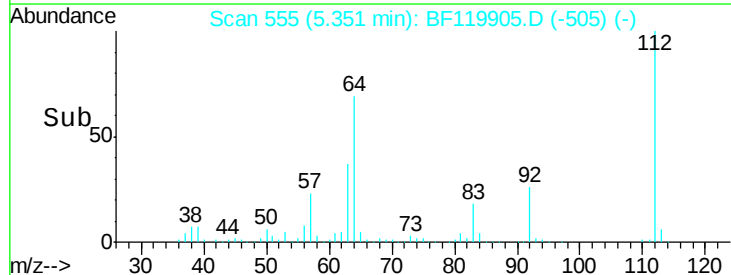
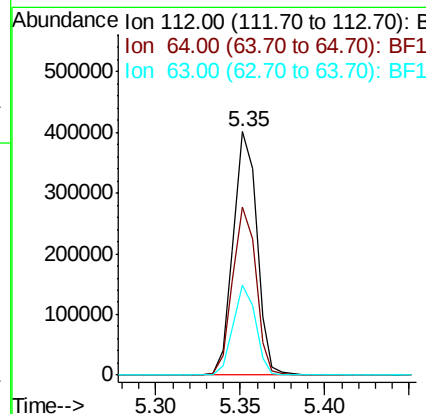
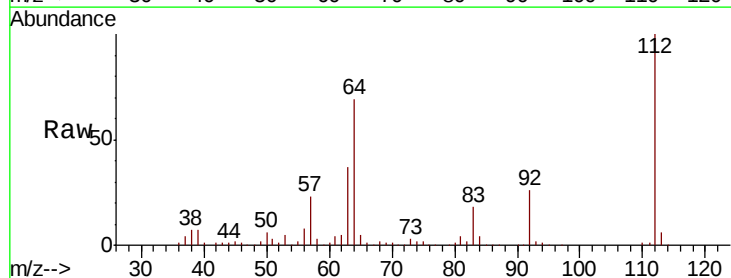
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#5

2-Fluorophenol  
Concen: 36.457 ng  
RT: 5.35 min Scan# 555  
Delta R.T. -0.01 min  
Lab File: BF119905.D  
Acq: 10 Apr 2020 20:00

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 69.2  | 55.5  | 83.3  |
| 63      | 36.7  | 29.1  | 43.7  |





#7

Phenol-d6

Concen: 37.601 ng

RT: 6.38 min Scan# 730

Delta R.T. -0.01 min

Lab File: BF119905.D

Acq: 10 Apr 2020 20:00

Instrument :

BNA\_F

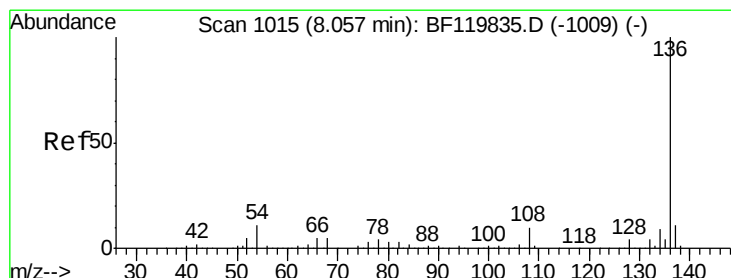
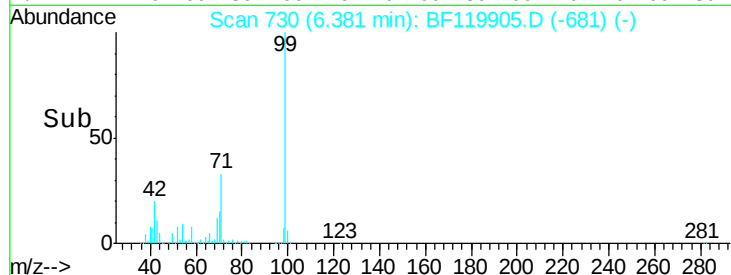
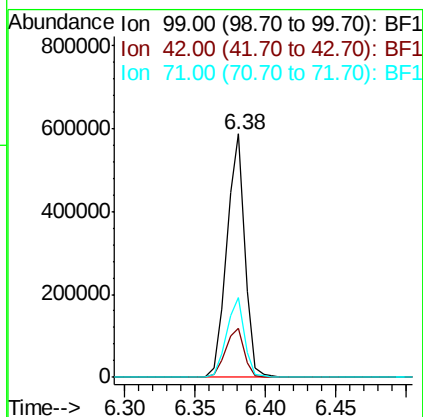
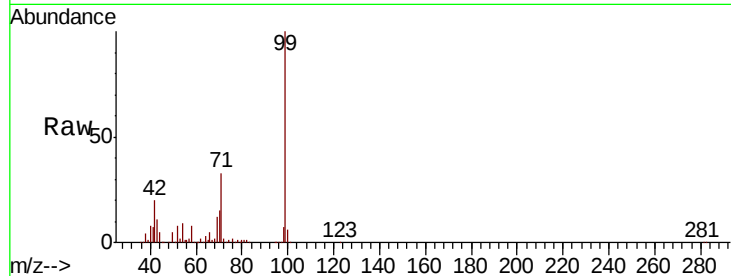
ClientSampleId :

NEWPORT-TP-7FT

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 99    | Resp: | 519554 |
| Ion Ratio | Lower | Upper |        |
| 99        | 100   |       |        |
| 42        | 20.2  | 16.9  | 25.3   |
| 71        | 32.7  | 26.3  | 39.5   |

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#21

Naphthalene-d8

Concen: 20.000 ng

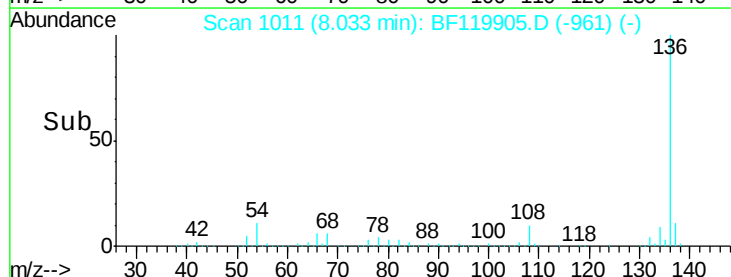
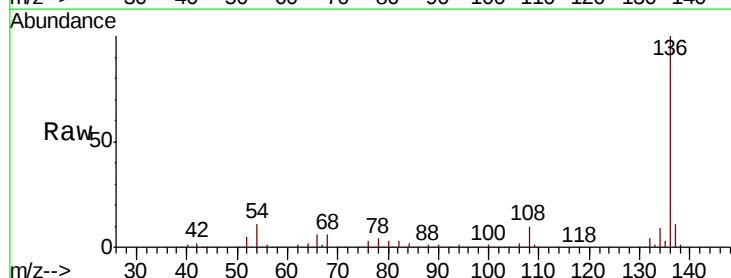
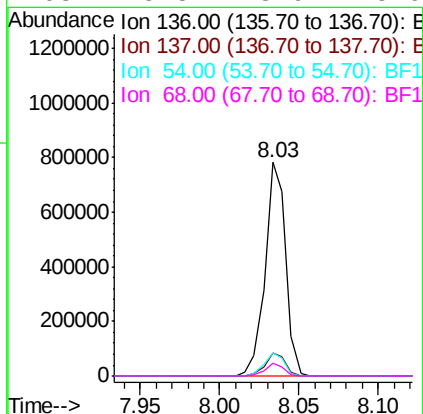
RT: 8.03 min Scan# 1011

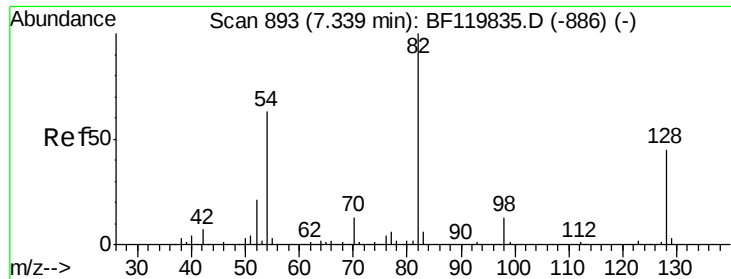
Delta R.T. -0.01 min

Lab File: BF119905.D

Acq: 10 Apr 2020 20:00

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 136   | Resp: | 713859 |
| Ion Ratio | Lower | Upper |        |
| 136       | 100   |       |        |
| 137       | 11.1  | 8.7   | 13.1   |
| 54        | 10.9  | 8.5   | 12.7   |
| 68        | 5.8   | 3.9   | 5.9    |





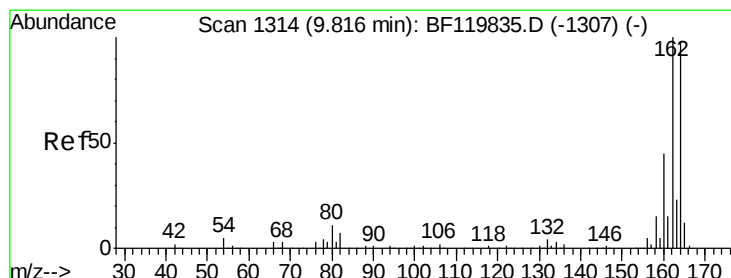
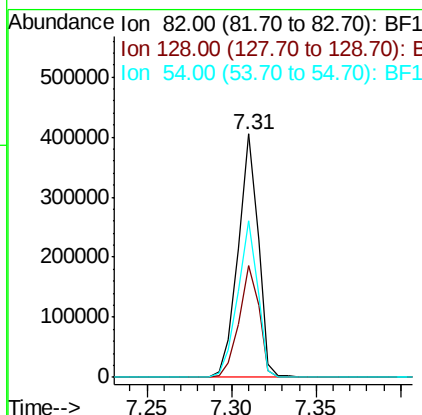
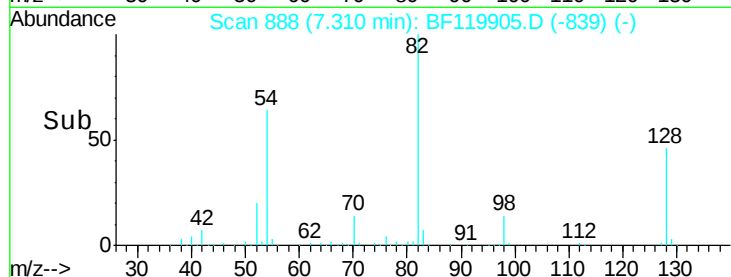
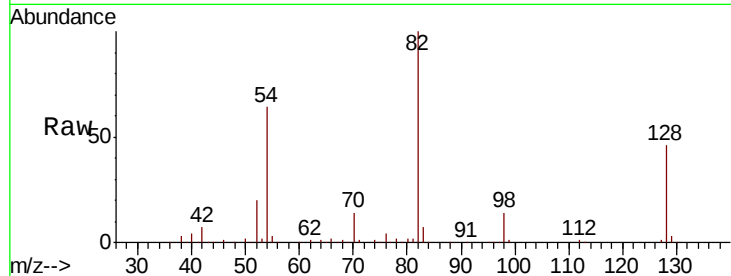
#23  
 Nitrobenzene-d5  
 Concen: 24.323 ng  
 RT: 7.31 min Scan# 888  
 Delta R.T. -0.01 min  
 Lab File: BF119905.D  
 Acq: 10 Apr 2020 20:00

Instrument :  
 BNA\_F  
 ClientSampleId :  
 NEWPORT-TP-7FT

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 46.2  | 36.2  | 54.4  |
| 54      | 64.4  | 50.4  | 75.6  |

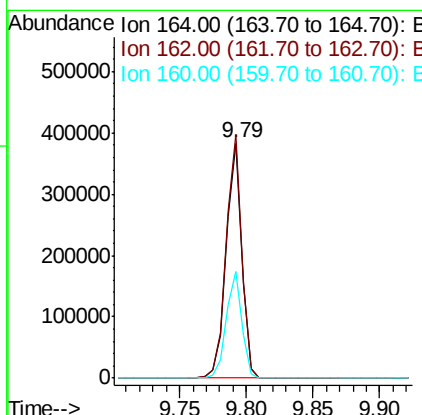
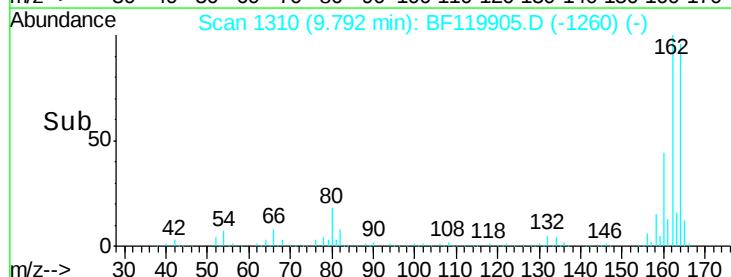
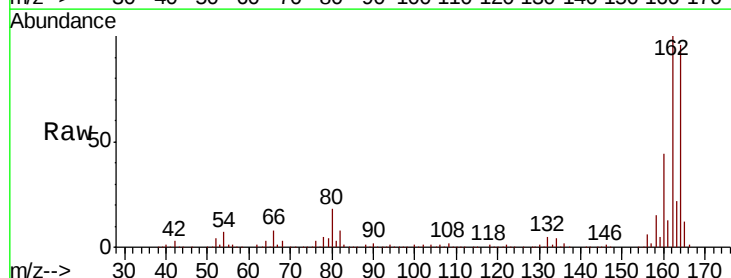
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#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.79 min Scan# 1310  
 Delta R.T. -0.01 min  
 Lab File: BF119905.D  
 Acq: 10 Apr 2020 20:00

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 103.7 | 81.9  | 122.9 |
| 160     | 45.7  | 36.6  | 54.8  |





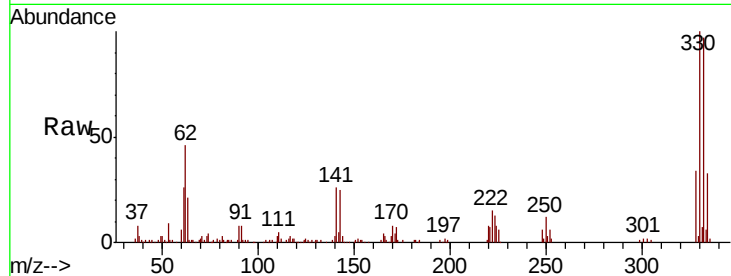
#42  
 2,4,6-Tribromophenol  
 Concen: 34.799 ng  
 RT: 10.58 min Scan# 1444  
 Delta R.T. -0.01 min  
 Lab File: BF119905.D  
 Acq: 10 Apr 2020 20:00

Instrument :  
 BNA\_F  
 ClientSampleId :  
 NEWPORT-TP-7FT

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 330     | 100   |      |       |       |
| 332     | 95.4  | 76.8 | 115.2 |       |
| 141     | 31.0  | 25.1 | 37.7  |       |

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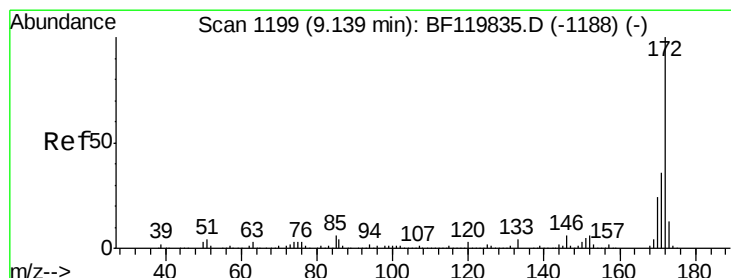
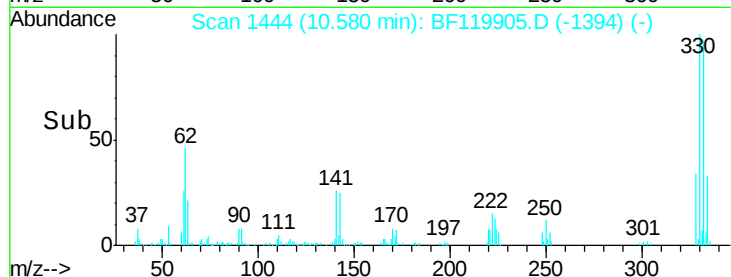
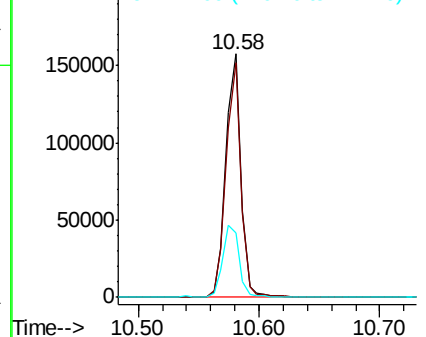


Abundance

Ion 329.80 (329.50 to 330.50): E

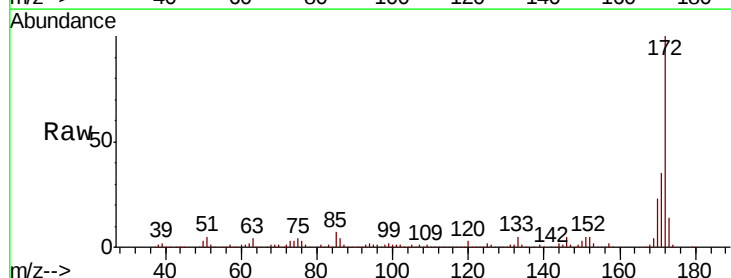
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45  
 2-Fluorobiphenyl  
 Concen: 26.182 ng  
 RT: 9.11 min Scan# 1194  
 Delta R.T. -0.01 min  
 Lab File: BF119905.D  
 Acq: 10 Apr 2020 20:00

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 172     | 100   |      |       |       |
| 171     | 34.7  | 28.9 | 43.3  |       |
| 170     | 23.4  | 19.4 | 29.2  |       |

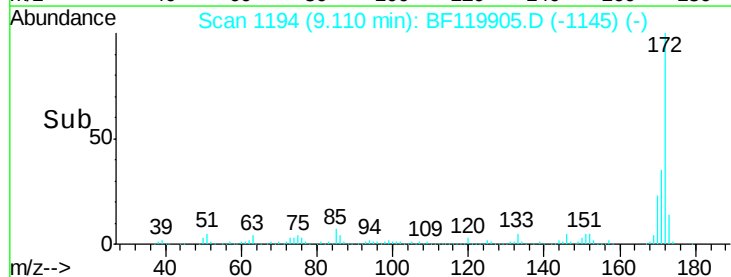
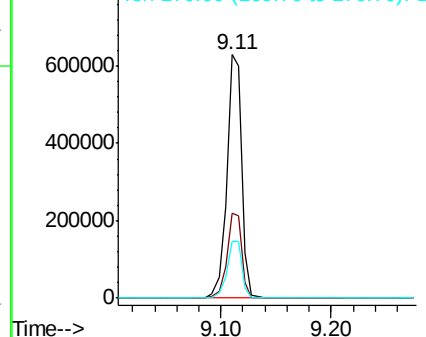


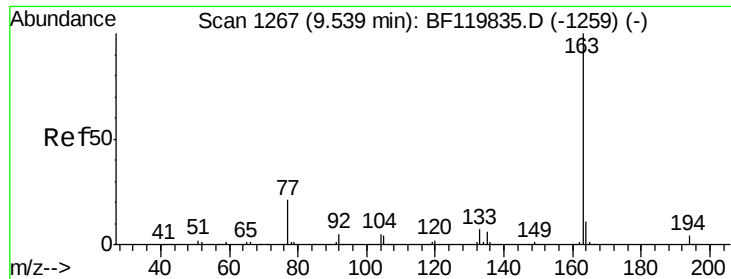
Abundance

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: 5.123 ng

RT: 9.51 min Scan# 1262

Delta R.T. -0.02 min

Lab File: BF119905.D

Acq: 10 Apr 2020 20:00

Instrument :

BNA\_F

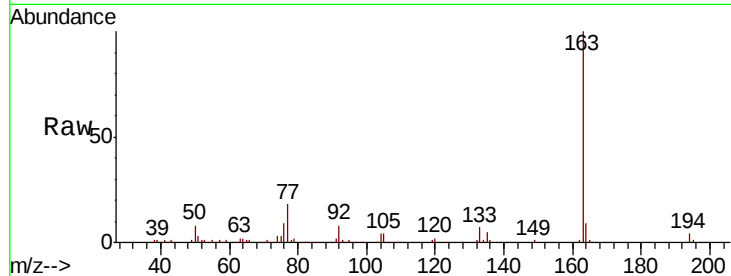
ClientSampleId :

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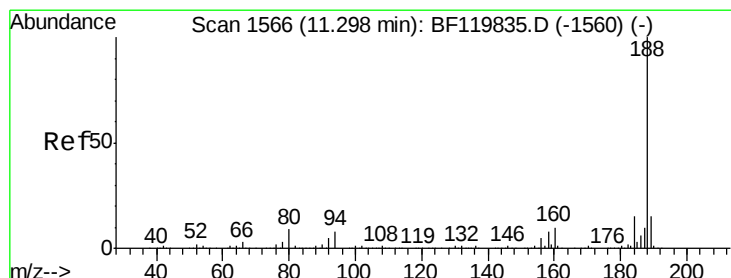
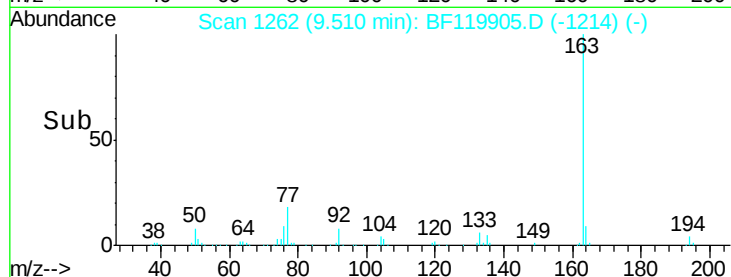
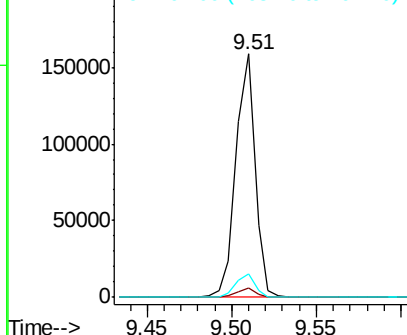
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 163   | Resp: | 126322 |
| Ion Ratio | Lower | Upper |        |
| 163       | 100   |       |        |
| 194       | 3.9   | 3.0   | 4.4    |
| 164       | 9.5   | 8.4   | 12.6   |

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Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

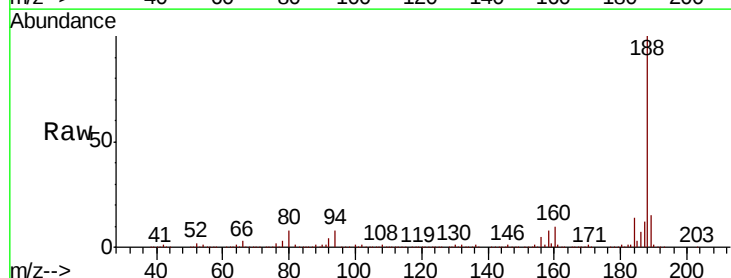
RT: 11.28 min Scan# 1563

Delta R.T. -0.00 min

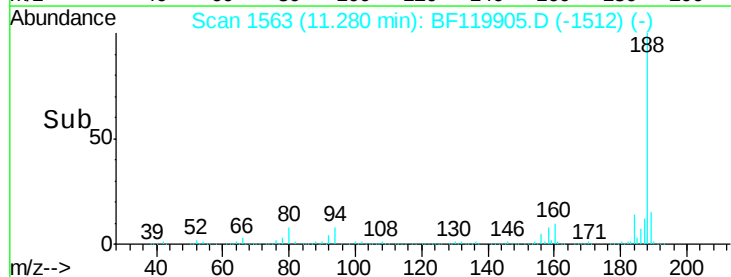
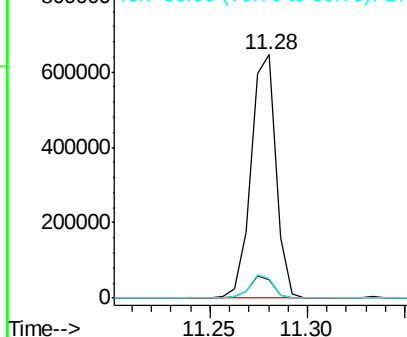
Lab File: BF119905.D

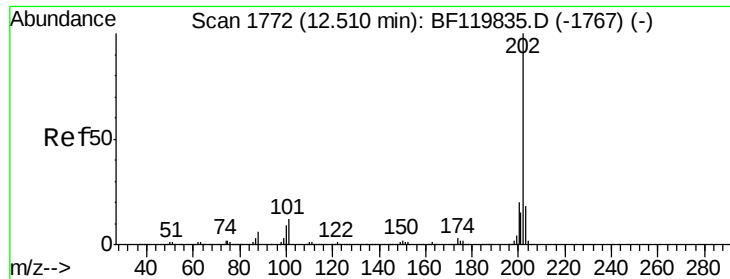
Acq: 10 Apr 2020 20:00

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 188   | Resp: | 572391 |
| Ion Ratio | Lower | Upper |        |
| 188       | 100   |       |        |
| 94        | 7.7   | 6.7   | 10.1   |
| 80        | 8.3   | 7.4   | 11.2   |



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





#75

Fluoranthene

Concen: 3.021 ng

RT: 12.49 min Scan# 1769

Delta R.T. -0.01 min

Lab File: BF119905.D

Acq: 10 Apr 2020 20:00

Instrument :

BNA\_F

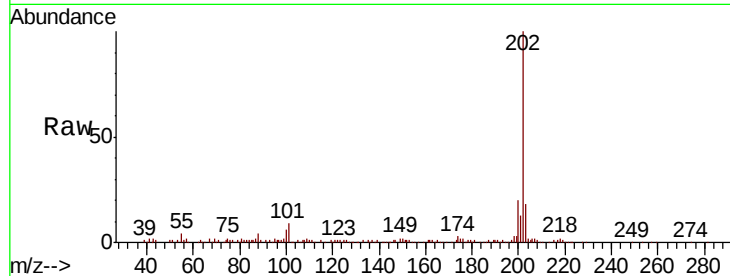
ClientSampleId :

NEWPORT-TP-7FT

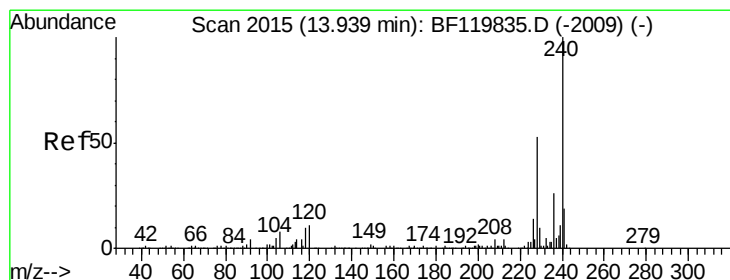
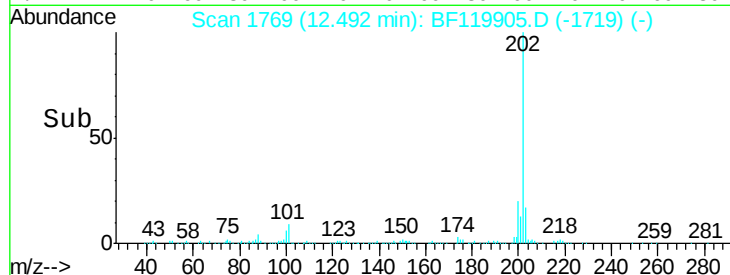
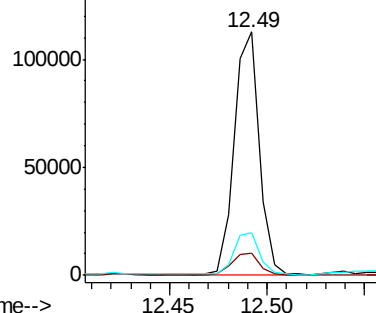
|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 202   | Resp: | 99295 |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 101       | 8.9   | 0.0   | 32.3  |
| 203       | 17.7  | 0.0   | 37.6  |

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Abundance Ion 202.00 (201.70 to 202.70): E  
Ion 101.00 (100.70 to 101.70): E  
Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

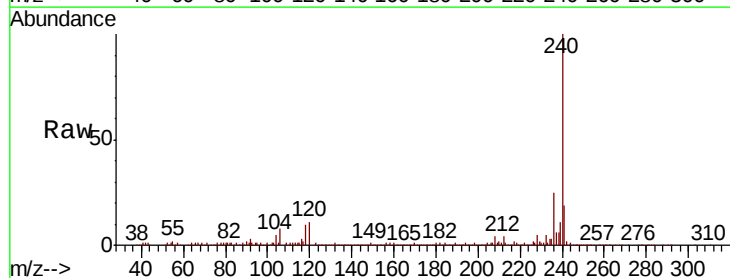
RT: 13.92 min Scan# 2011

Delta R.T. -0.01 min

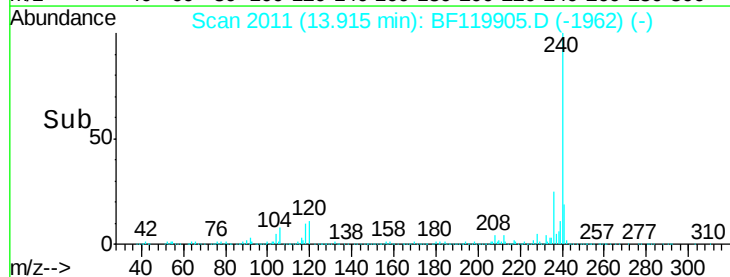
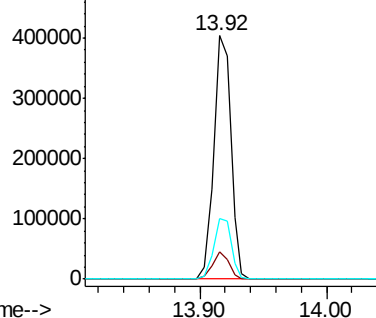
Lab File: BF119905.D

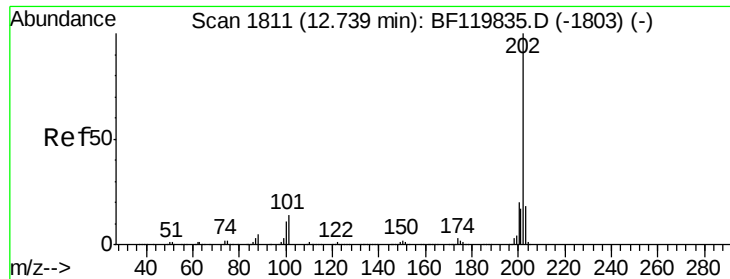
Acq: 10 Apr 2020 20:00

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 240   | Resp: | 376564 |
| Ion Ratio | Lower | Upper |        |
| 240       | 100   |       |        |
| 120       | 11.3  | 9.0   | 13.6   |
| 236       | 24.9  | 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

Pvrene

Concen: 2.622 ng

RT: 12.72 min Scan# 1807

Delta R.T. -0.01 min

Lab File: BF119905.D

Acq: 10 Apr 2020 20:00

Instrument :

BNA\_F

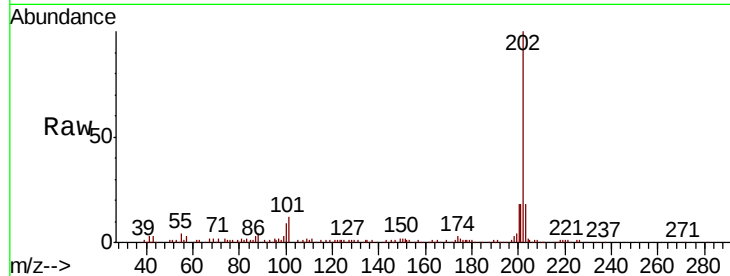
ClientSampleId :

NEWPORT-TP-7FT

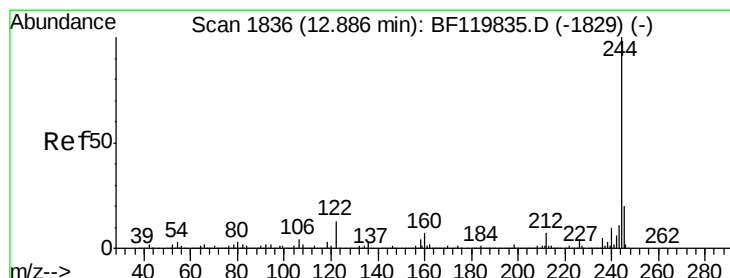
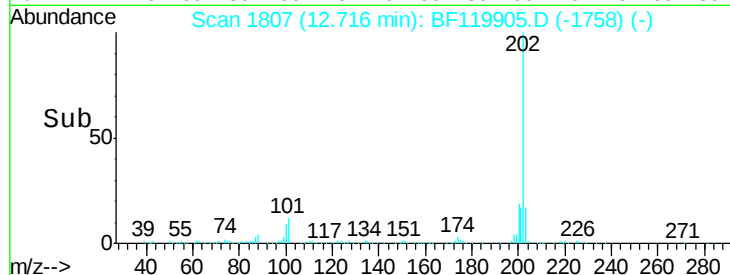
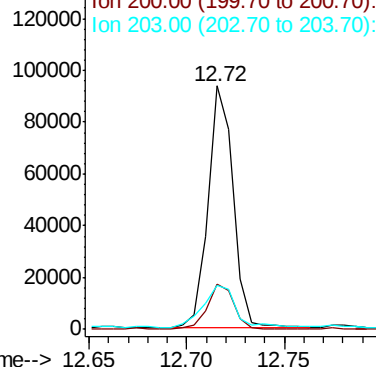
|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 202   | Resp: | 83235 |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 200       | 18.4  | 16.2  | 24.2  |
| 203       | 18.1  | 14.1  | 21.1  |

Manual Integrations  
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4/14/2020 3:39:18 PM



Abundance Ion 202.00 (201.70 to 202.70): E  
Ion 200.00 (199.70 to 200.70): E  
Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 20.344 ng

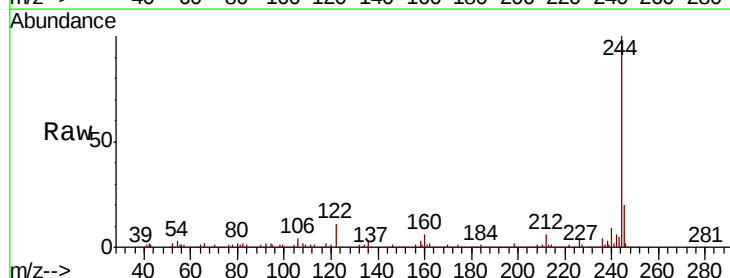
RT: 12.86 min Scan# 1832

Delta R.T. -0.01 min

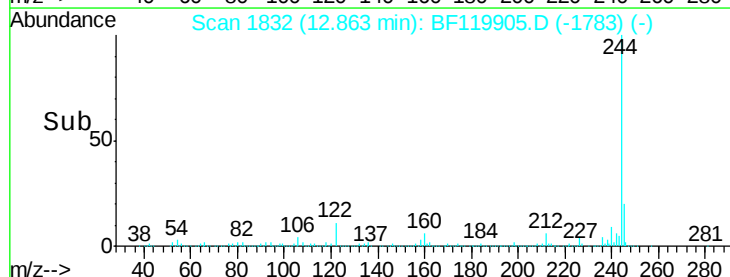
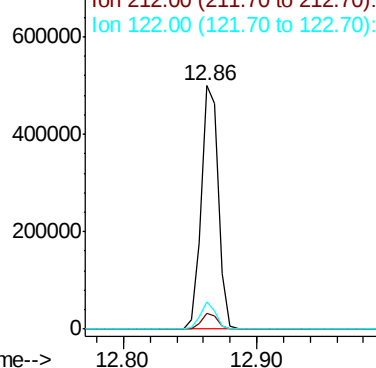
Lab File: BF119905.D

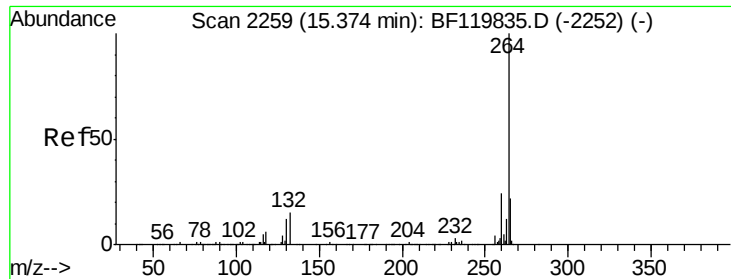
Acq: 10 Apr 2020 20:00

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 244   | Resp: | 455285 |
| Ion Ratio | Lower | Upper |        |
| 244       | 100   |       |        |
| 212       | 6.4   | 5.4   | 8.0    |
| 122       | 11.1  | 10.3  | 15.5   |



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





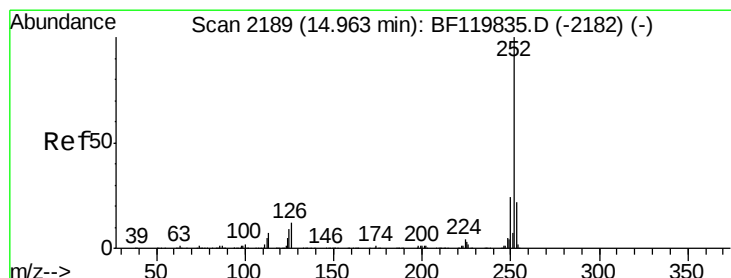
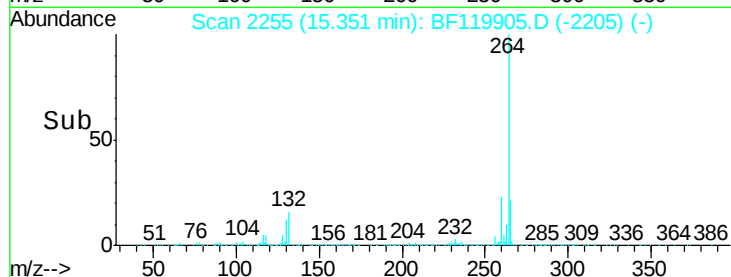
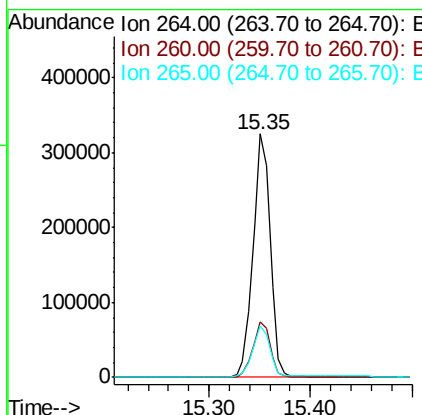
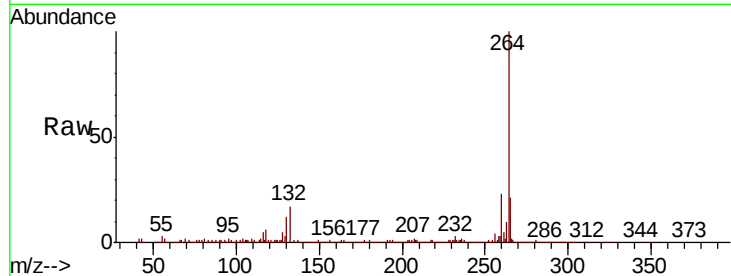
#87  
Pervlene-d12  
Concen: 20.000 ng  
RT: 15.35 min Scan# 2255  
Delta R.T. -0.01 min  
Lab File: BF119905.D  
Acq: 10 Apr 2020 20:00

Instrument :  
BNA\_F  
ClientSampleId :  
NEWPORT-TP-7FT

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.0  | 19.3  | 28.9  |
| 265     | 21.4  | 17.6  | 26.4  |

Manual Integrations  
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#88  
Benzo(b)fluoranthene  
Concen: 2.019 ng m  
RT: 14.94 min Scan# 2185  
Delta R.T. -0.01 min  
Lab File: BF119905.D  
Acq: 10 Apr 2020 20:00

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 25.8  | 17.7  | 26.5  |
| 125     | 13.7  | 7.4   | 11.2# |

