

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN031020\  
 Data File : BN010189.D  
 Acq On : 11 Mar 2020 12:56  
 Operator : CG/JU  
 Sample : L1842-18  
 Misc :  
 ALS Vial : 30 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 RE132D3-20200305

Manual Integrations  
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Quant Time: Mar 11 15:42:02 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN021920.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Feb 19 15:57:43 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.37  | 152  | 778      | 0.40 | ng    | -0.05    |
| 7) Naphthalene-d8         | 10.15 | 136  | 3368     | 0.40 | ng    | -0.03    |
| 13) Acenaphthene-d10      | 14.00 | 164  | 1608     | 0.40 | ng    | -0.06    |
| 19) Phenanthrene-d10      | 16.79 | 188  | 3334     | 0.40 | ng    | -0.02    |
| 27) Chrysene-d12          | 21.00 | 240  | 3598     | 0.40 | ng    | -0.03    |
| 34) Perylene-d12          | 23.10 | 264  | 3915     | 0.40 | ng    | -0.05    |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 4) 2-Fluorophenol           | 5.06  | 112  | 359      | 0.21 | ng    | -0.02    |
| 5) Phenol-d6                | 6.59  | 99   | 246      | 0.12 | ng    | -0.06    |
| 8) Nitrobenzene-d5          | 8.63  | 82   | 865m     | 0.31 | ng    | 0.04     |
| 11) 2-Methylnaphthalene-d10 | 11.75 | 152  | 1475     | 0.23 | ng    | -0.03    |
| 14) 2,4,6-Tribromophenol    | 15.56 | 330  | 199      | 0.32 | ng    | -0.02    |
| 15) 2-Fluorobiphenyl        | 12.63 | 172  | 2138     | 0.35 | ng    | -0.06    |
| 25) Fluoranthene-d10        | 18.83 | 212  | 4275     | 0.37 | ng    | -0.03    |
| 29) Terphenyl-d14           | 19.42 | 244  | 3823     | 0.44 | ng    | -0.05    |

| Target Compounds | R.T. | QIon | Response | Conc  | Units | Qvalue |
|------------------|------|------|----------|-------|-------|--------|
| 2) 1,4-Dioxane   | 3.03 | 88   | 4499m    | 5.646 | ng    |        |

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

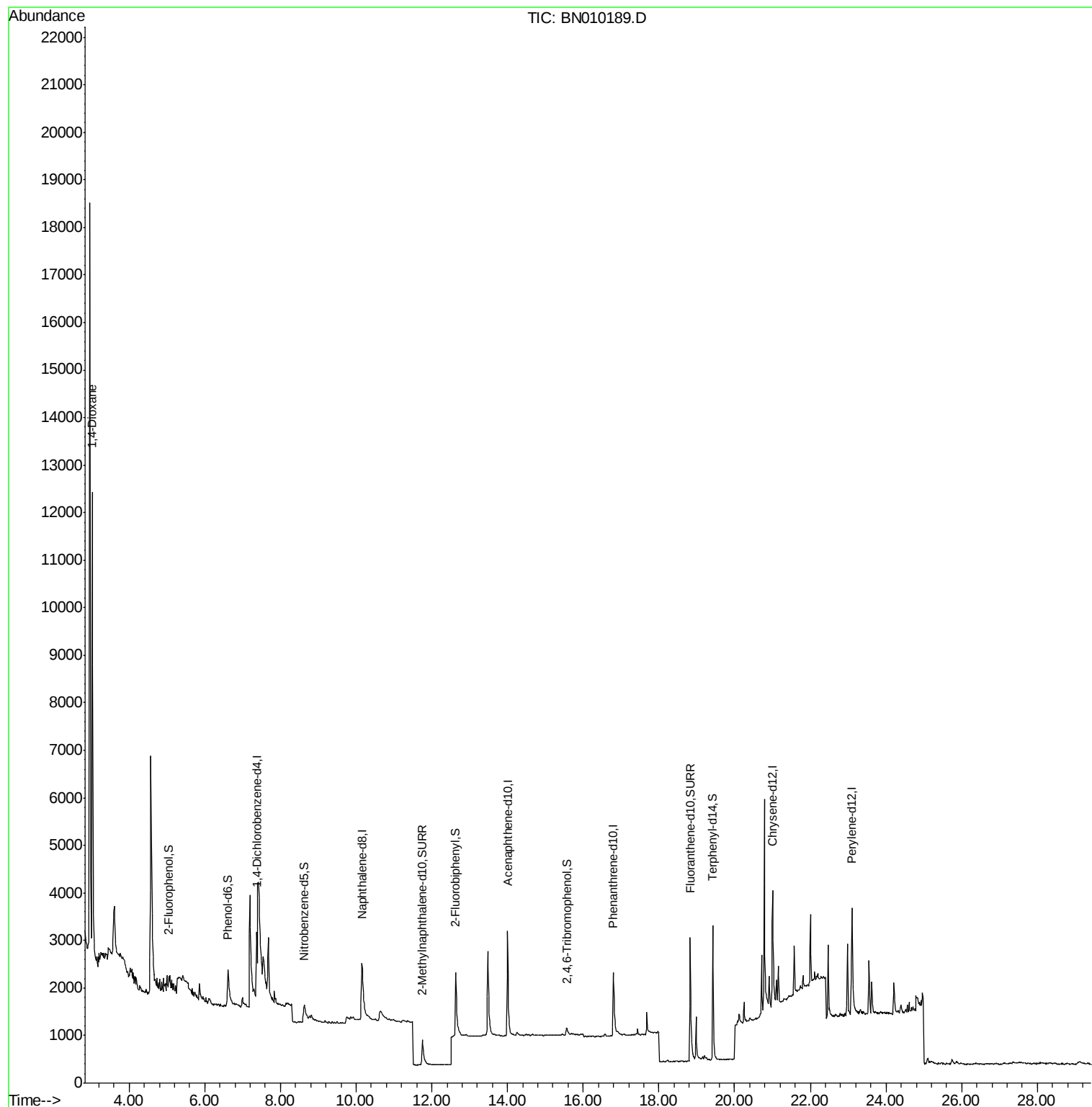
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN031020\  
Data File : BN010189.D  
Acq On : 11 Mar 2020 12:56  
Operator : CG/JU  
Sample : L1842-18  
Misc :  
ALS Vial : 30 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
RE132D3-20200305

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Quant Time: Mar 11 15:42:02 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN021920.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Feb 19 15:57:43 2020  
Response via : Initial Calibration





#1

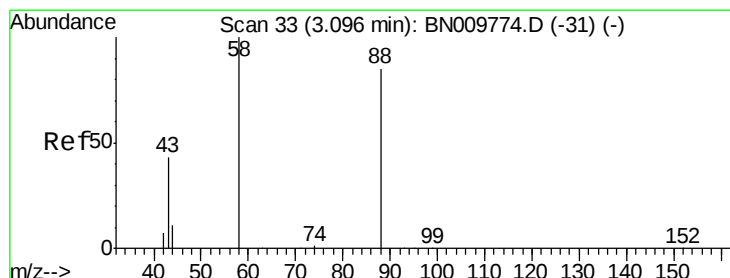
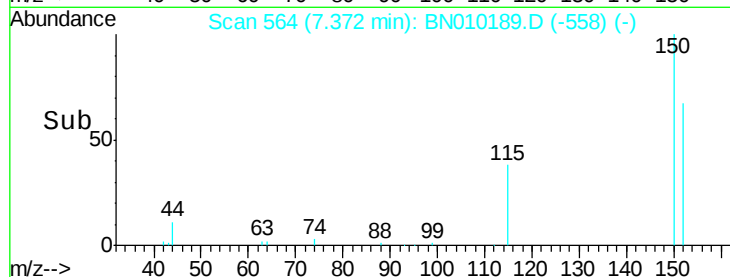
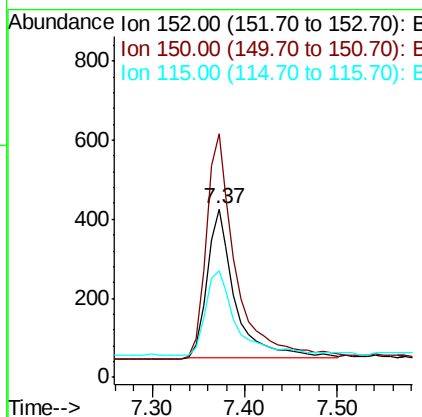
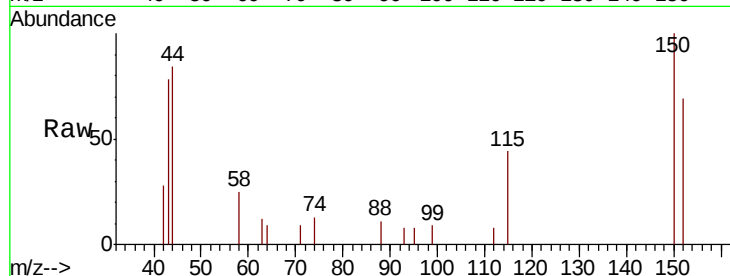
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.37 min Scan# 564  
Delta R.T. -0.05 min  
Lab File: BN010189.D  
Acq: 11 Mar 2020 12:56

Instrument :  
BNA\_N  
ClientSampleId :  
RE132D3-20200305

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 144.6 | 120.6 | 181.0 |
| 115     | 63.1  | 51.2  | 76.8  |

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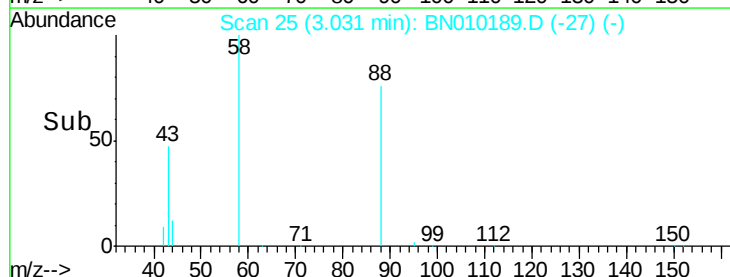
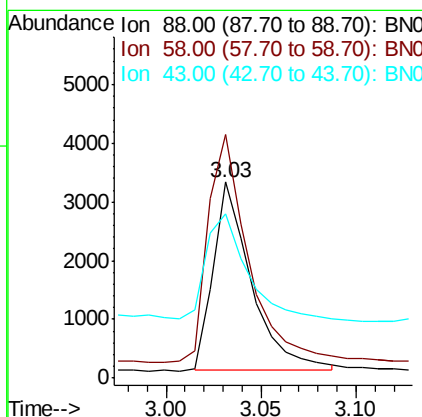
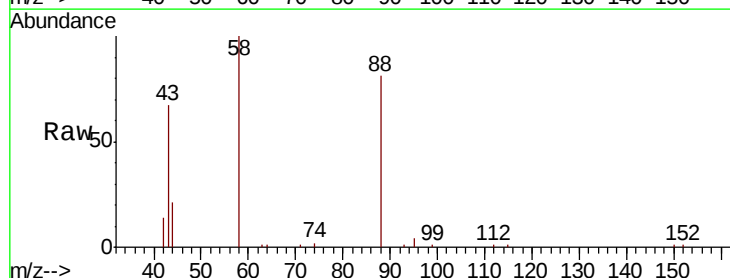
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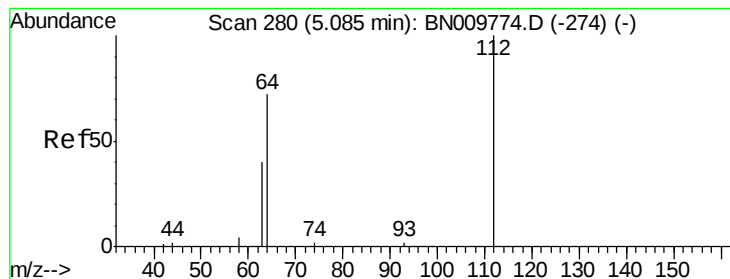


#2

1,4-Dioxane  
Concen: 5.646 ng m  
RT: 3.03 min Scan# 25  
Delta R.T. -0.06 min  
Lab File: BN010189.D  
Acq: 11 Mar 2020 12:56

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 88      | 100   |       |        |
| 58      | 0.0   | 97.8  | 146.8# |
| 43      | 0.0   | 45.1  | 67.7#  |





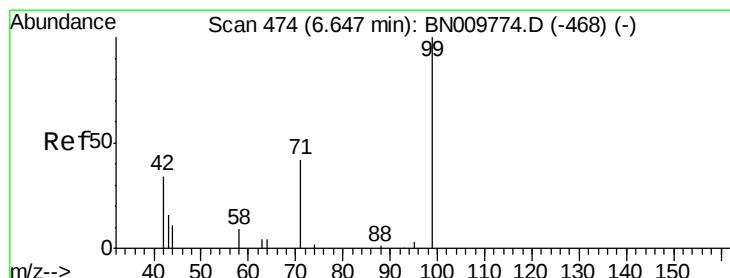
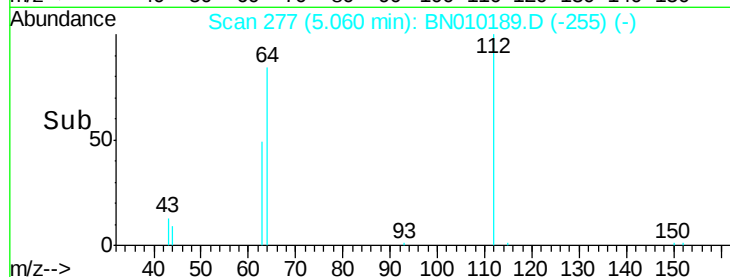
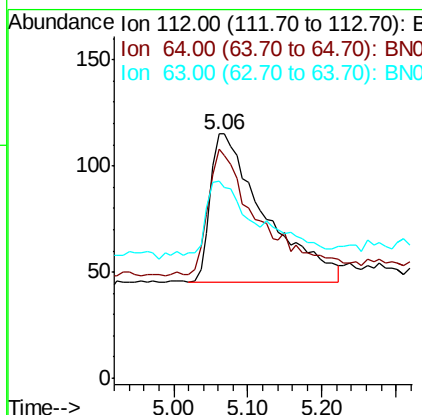
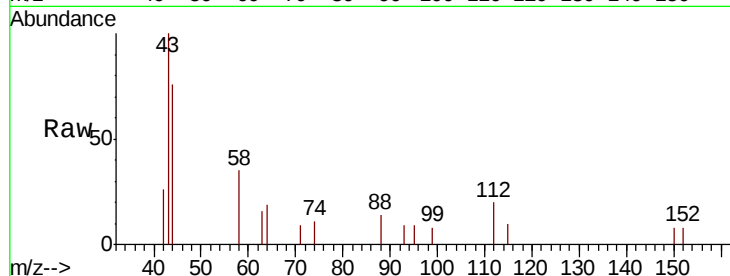
#4  
2-Fluorophenol  
Concen: 0.208 ng  
RT: 5.06 min Scan# 277  
Delta R.T. -0.02 min  
Lab File: BN010189.D  
Acq: 11 Mar 2020 12:56

Instrument :  
BNA\_N  
ClientSampleId :  
RE132D3-20200305

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 78.0  | 65.8  | 98.6  |
| 63      | 33.7  | 38.7  | 58.1# |

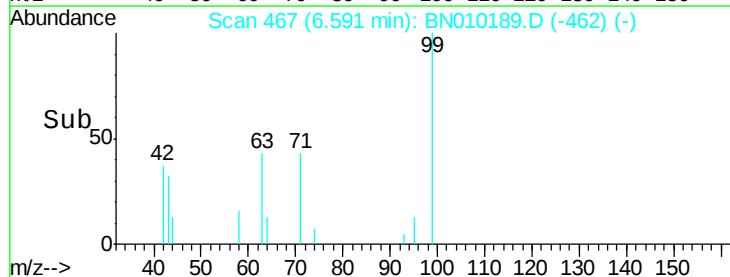
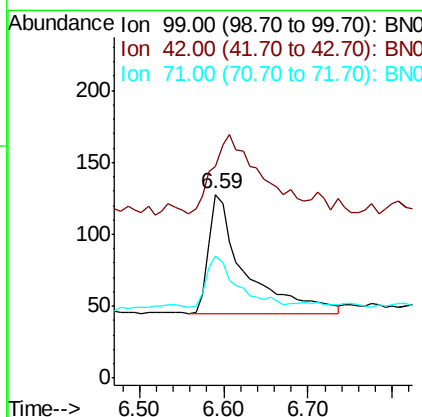
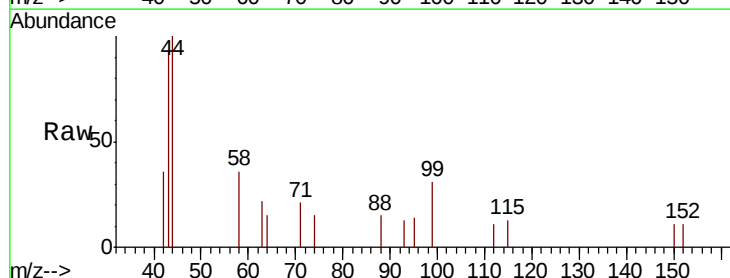
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#5  
Phenol-d6  
Concen: 0.117 ng  
RT: 6.59 min Scan# 467  
Delta R.T. -0.06 min  
Lab File: BN010189.D  
Acq: 11 Mar 2020 12:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 99      | 100   |       |       |
| 42      | 90.7  | 30.8  | 46.2# |
| 71      | 37.8  | 34.9  | 52.3  |





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.15 min Scan# 826

Delta R.T. -0.03 min

Lab File: BN010189.D

Acq: 11 Mar 2020 12:56

Instrument :

BNA\_N

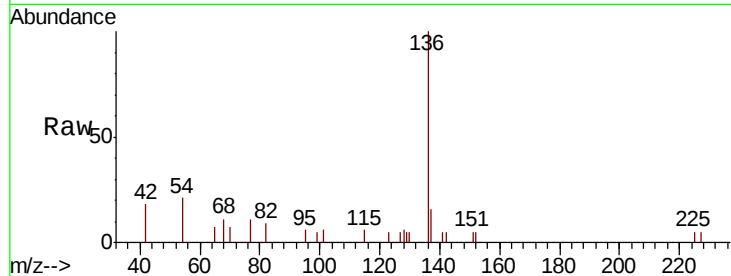
ClientSampleId :

RE132D3-20200305

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 136     | 100   |       |       |
| 137     | 16.1  | 11.3  | 16.9  |
| 54      | 20.8  | 13.4  | 20.2  |
| 68      | 11.0  | 7.0   | 10.4  |

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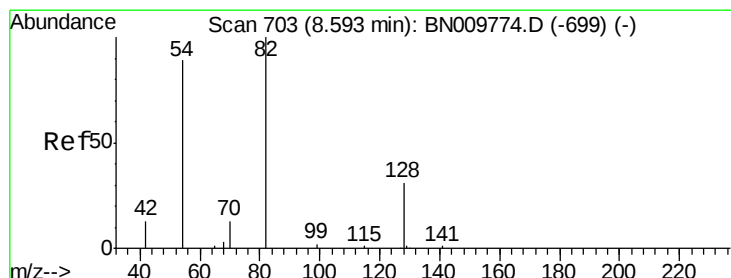
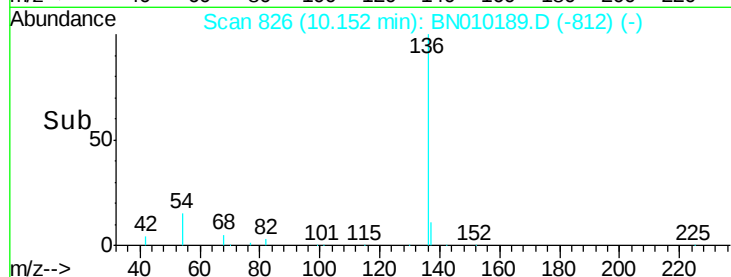
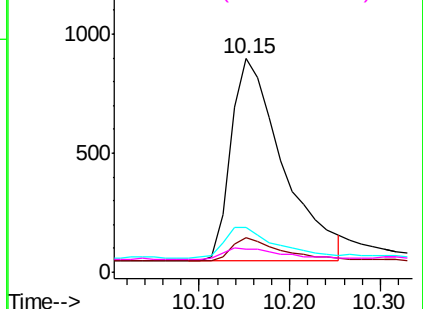


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BNC

Ion 68.00 (67.70 to 68.70): BNC



#8

Nitrobenzene-d5

Concen: 0.309 ng m

RT: 8.63 min Scan# 706

Delta R.T. 0.04 min

Lab File: BN010189.D

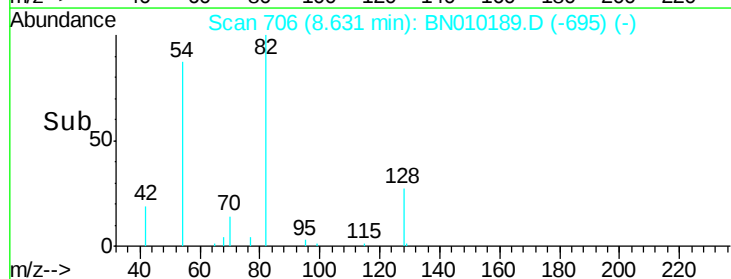
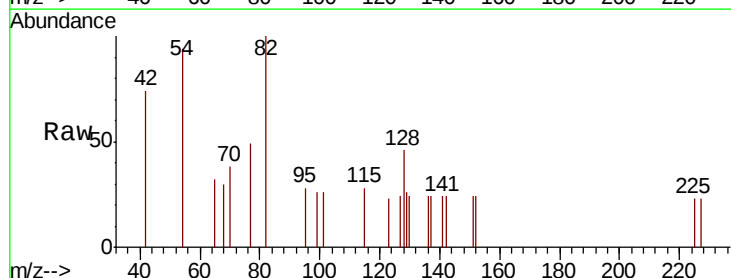
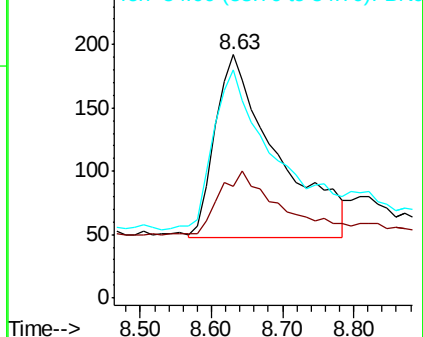
Acq: 11 Mar 2020 12:56

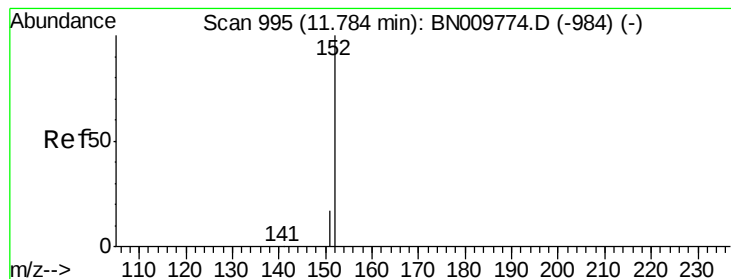
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 45.8  | 32.5  | 48.7  |
| 54      | 93.8  | 73.5  | 110.3 |

Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





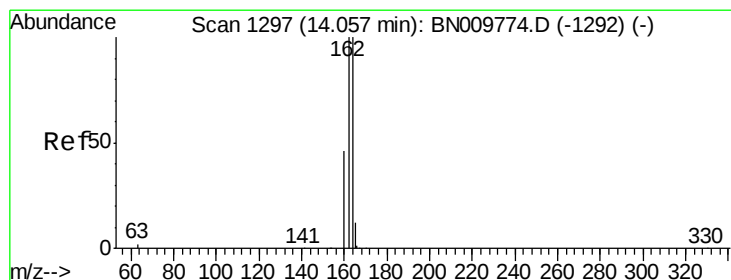
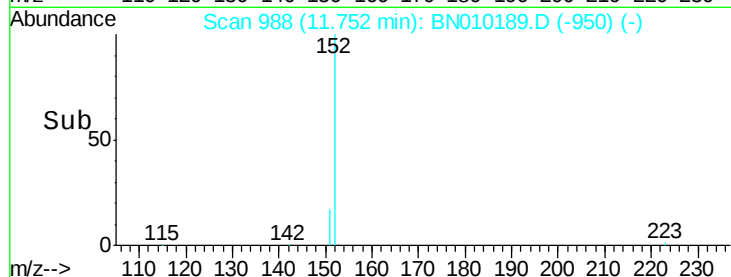
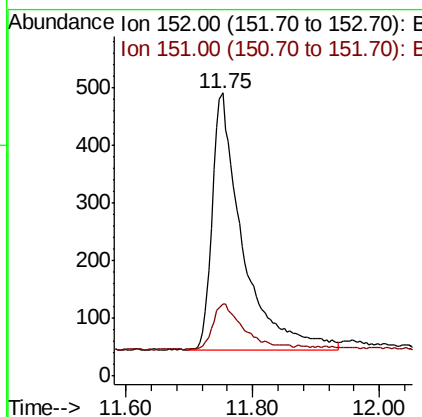
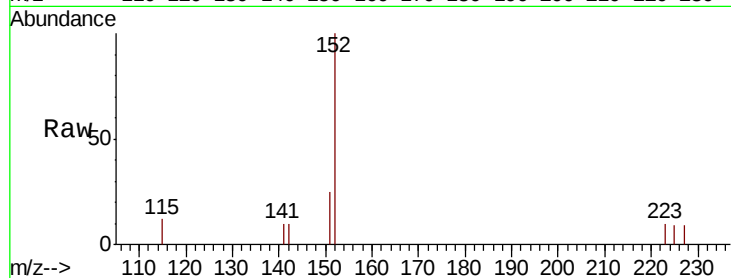
#11  
2-Methylnaphthalene-d10  
Concen: 0.226 ng  
RT: 11.75 min Scan# 988  
Delta R.T. -0.03 min  
Lab File: BN010189.D  
Acq: 11 Mar 2020 12:56

Instrument :  
BNA\_N  
ClientSampleId :  
RE132D3-20200305

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 17.2  | 15.1  | 22.7  |

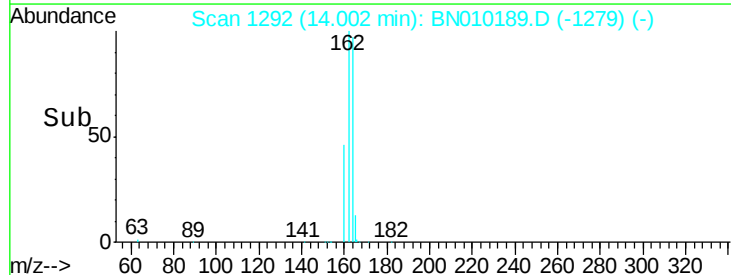
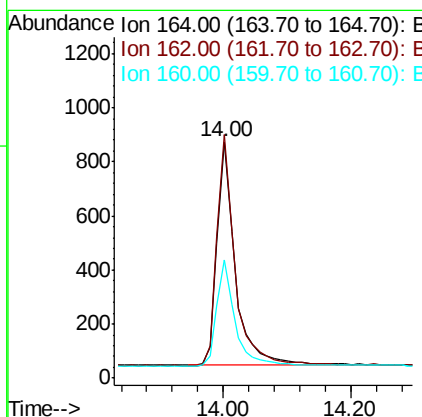
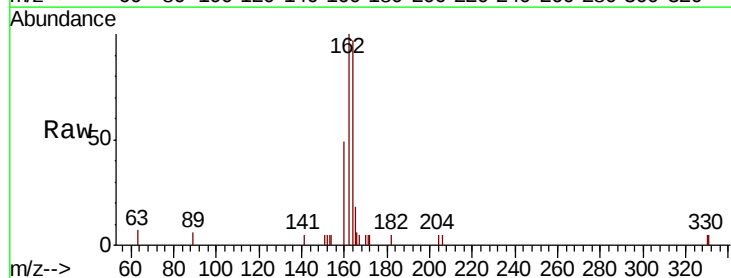
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#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.00 min Scan# 1292  
Delta R.T. -0.06 min  
Lab File: BN010189.D  
Acq: 11 Mar 2020 12:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 103.1 | 79.9  | 119.9 |
| 160     | 50.1  | 38.2  | 57.2  |





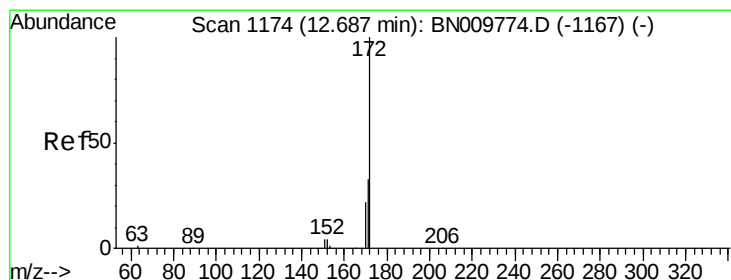
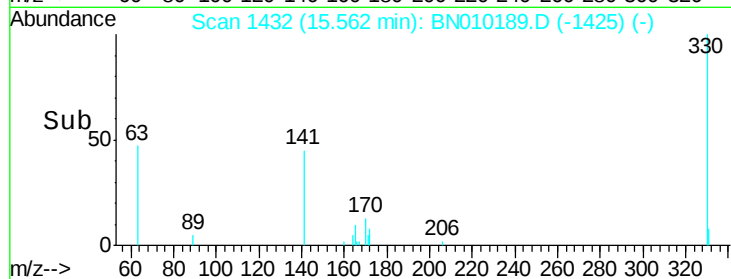
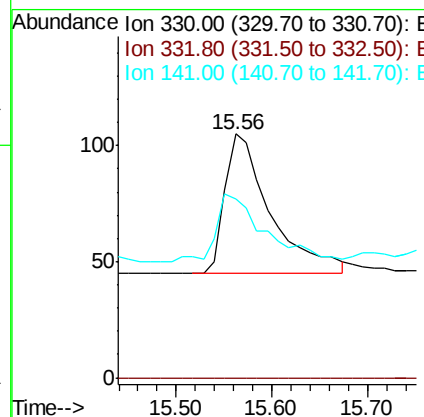
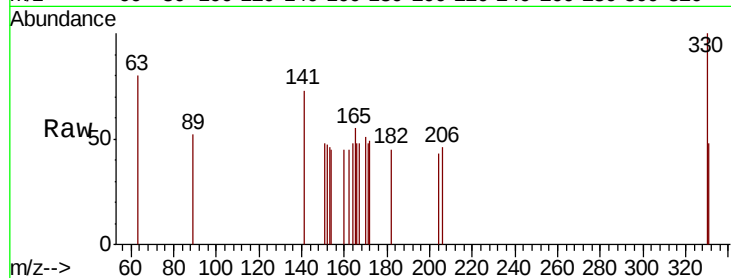
#14  
 2,4,6-Tribromophenol  
 Concen: 0.321 ng  
 RT: 15.56 min Scan# 1432  
 Delta R.T. -0.02 min  
 Lab File: BN010189.D  
 Acq: 11 Mar 2020 12:56

Instrument :  
 BNA\_N  
 ClientSampleId :  
 RE132D3-20200305

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 0.0   | 0.0   | 0.0   |
| 141     | 51.3  | 36.8  | 55.2  |

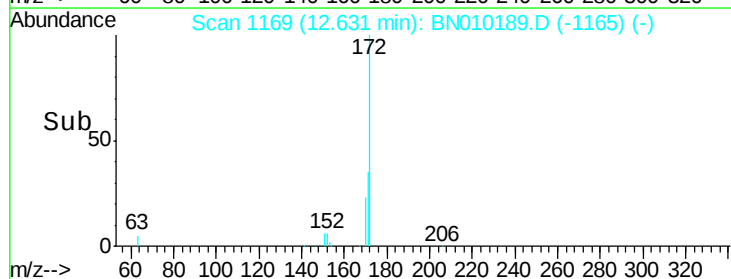
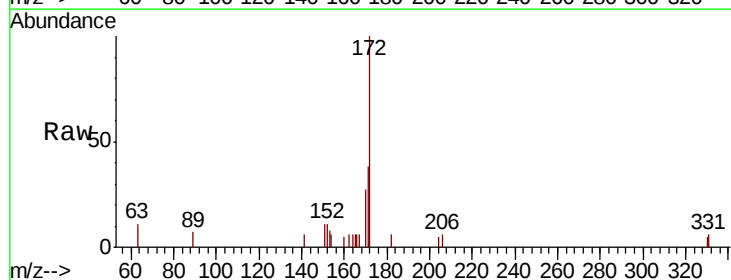
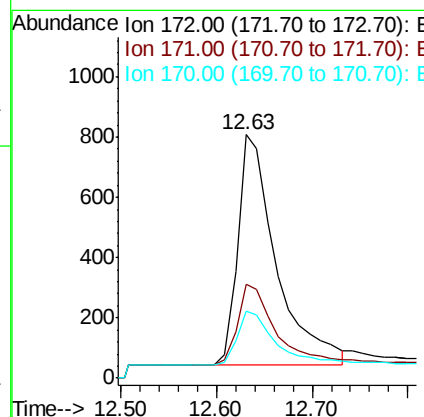
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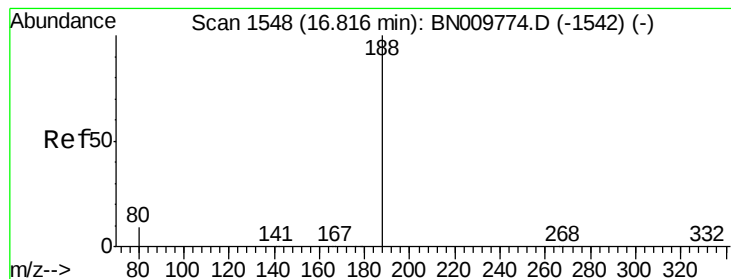
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#15  
 2-Fluorobiphenyl  
 Concen: 0.352 ng  
 RT: 12.63 min Scan# 1169  
 Delta R.T. -0.06 min  
 Lab File: BN010189.D  
 Acq: 11 Mar 2020 12:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 38.5  | 28.7  | 43.1  |
| 170     | 27.5  | 20.1  | 30.1  |





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.79 min Scan# 1546

Delta R.T. -0.02 min

Lab File: BN010189.D

Acq: 11 Mar 2020 12:56

Instrument :

BNA\_N

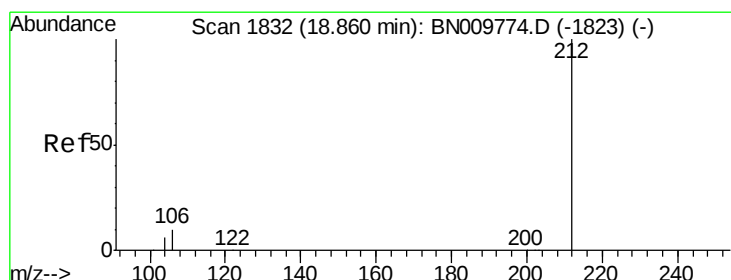
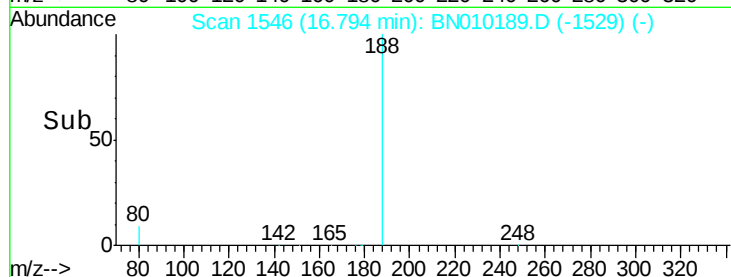
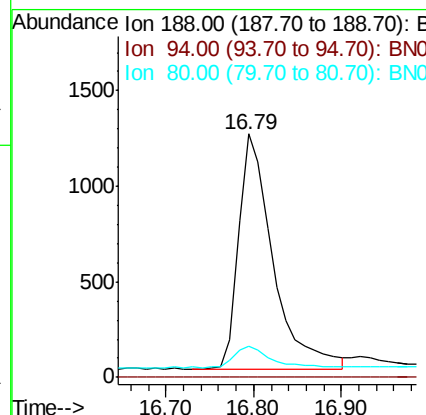
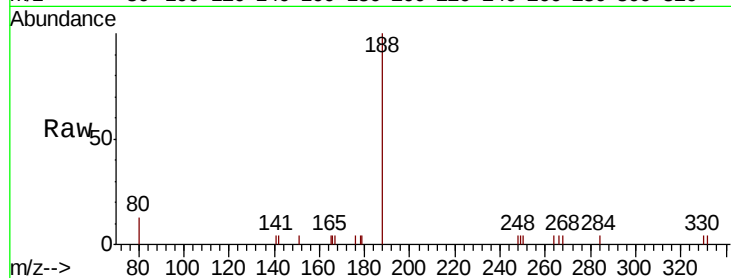
ClientSampleId :

RE132D3-20200305

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 0.0   | 0.0   | 0.0   |
| 80      | 12.8  | 8.3   | 12.5  |

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#25

Fluoranthene-d10

Concen: 0.371 ng

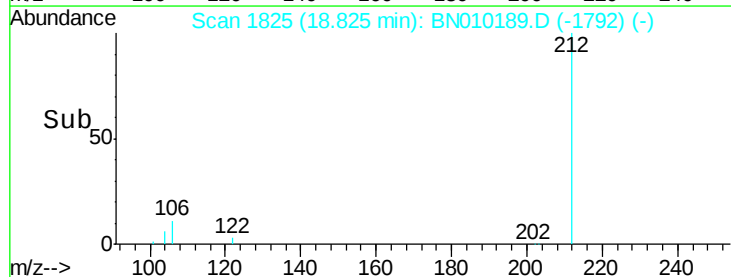
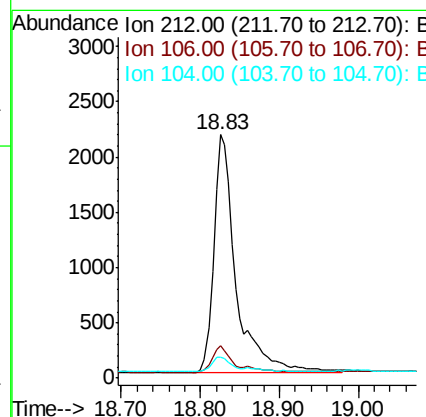
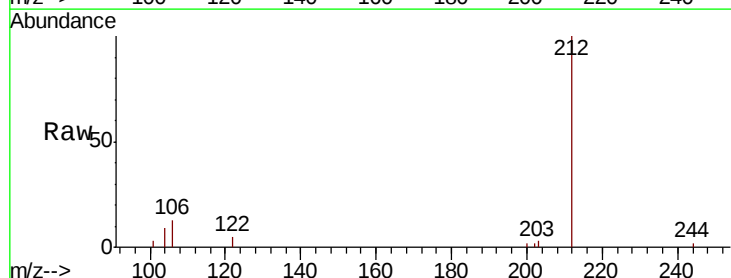
RT: 18.83 min Scan# 1825

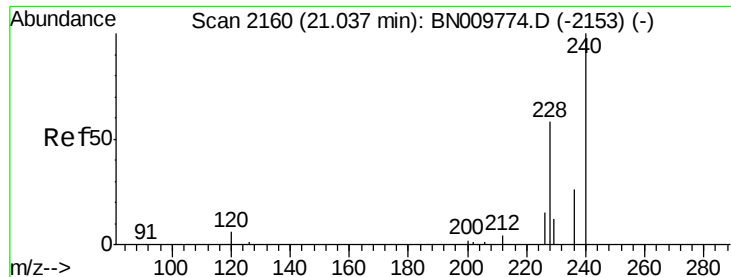
Delta R.T. -0.03 min

Lab File: BN010189.D

Acq: 11 Mar 2020 12:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 212     | 100   |       |       |
| 106     | 11.2  | 8.4   | 12.6  |
| 104     | 5.3   | 4.8   | 7.2   |





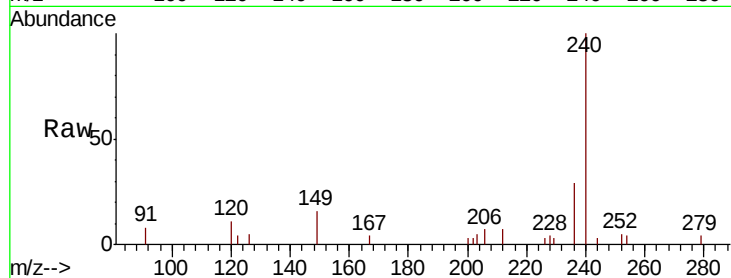
#27  
 Chrysene-d12  
 Concen: 0.400 ng  
 RT: 21.00 min Scan# 2157  
 Delta R.T. -0.03 min  
 Lab File: BN010189.D  
 Acq: 11 Mar 2020 12:56

Instrument :  
 BNA\_N  
 ClientSampleId :  
 RE132D3-20200305

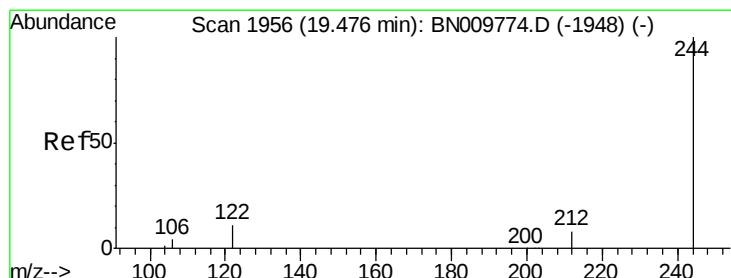
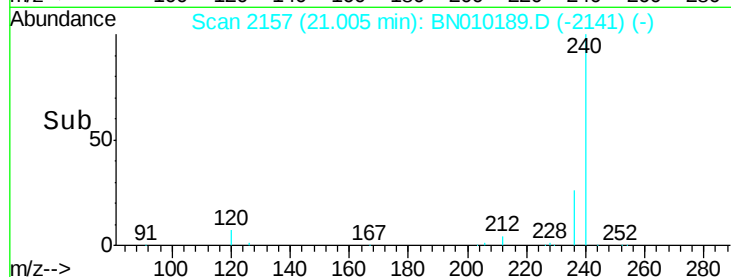
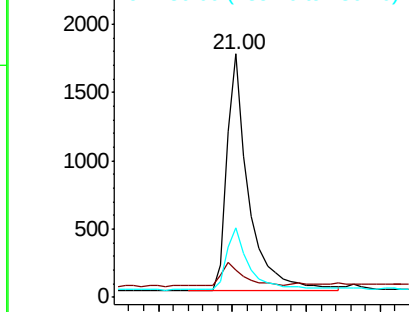
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 11.2  | 7.9   | 11.9  |
| 236     | 28.7  | 22.0  | 33.0  |

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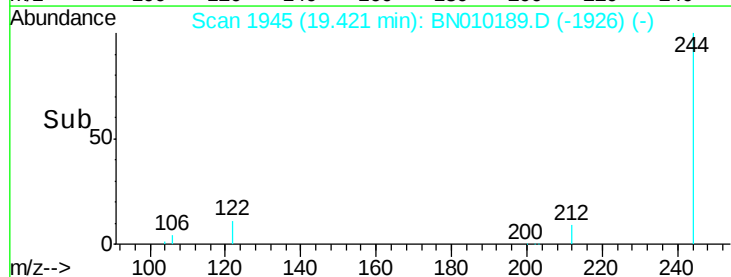
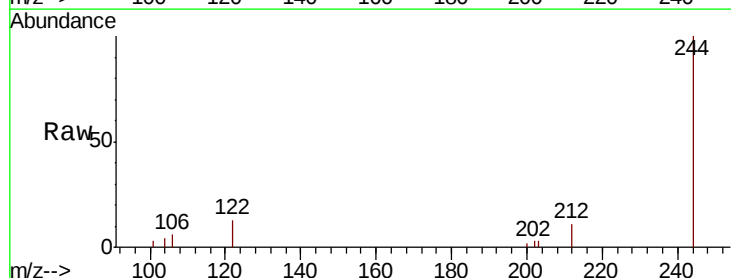
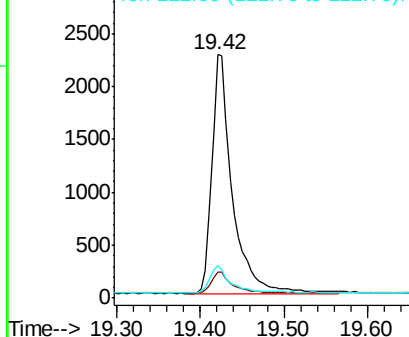
Abundance Ion 240.00 (239.70 to 240.70): E  
 Ion 120.00 (119.70 to 120.70): E  
 Ion 236.00 (235.70 to 236.70): E

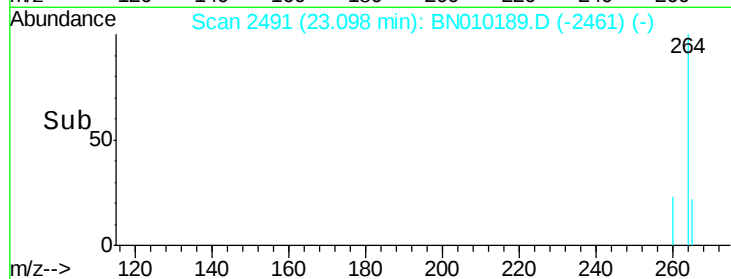
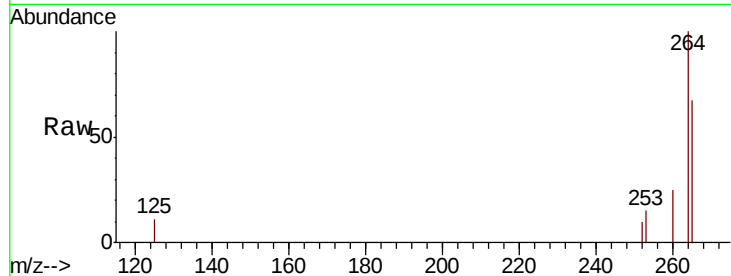
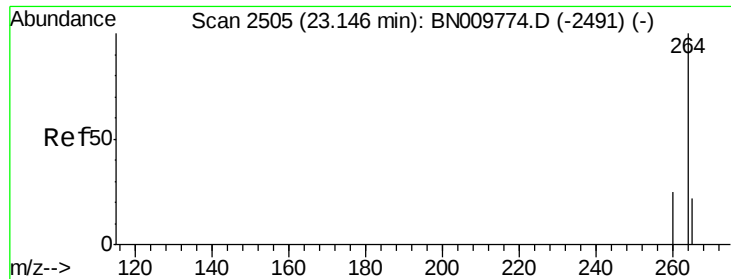


#29  
 Terphenyl-d14  
 Concen: 0.445 ng  
 RT: 19.42 min Scan# 1945  
 Delta R.T. -0.05 min  
 Lab File: BN010189.D  
 Acq: 11 Mar 2020 12:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 10.7  | 8.0   | 12.0  |
| 122     | 13.3  | 10.0  | 15.0  |

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





#34  
 Pervlene-d12  
 Concen: 0.400 ng  
 RT: 23.10 min Scan# 2491  
 Delta R.T. -0.05 min  
 Lab File: BN010189.D  
 Acq: 11 Mar 2020 12:56

|           |       |       |      |
|-----------|-------|-------|------|
| Tot Ion:  | 264   | Resp: | 3915 |
| Ion Ratio | Lower | Upper |      |
| 264       | 100   |       |      |
| 260       | 25.2  | 21.1  | 31.7 |
| 265       | 67.4  | 57.5  | 86.3 |

Instrument :  
 BNA\_N  
 ClientSampleId :  
 RE132D3-20200305

Manual Integrations  
 APPROVED

mohammad  
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