

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN031820\  
 Data File : BN010272.D  
 Acq On : 18 Mar 2020 20:20  
 Operator : CG/JU  
 Sample : L1903-25  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 RE135D3-20200311

Manual Integrations  
 APPROVED

mohammad  
 3/19/2020 2:43:06 PM

Quant Time: Mar 19 01:42:48 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN031320.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Mar 16 02:17:23 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min)    |
|--------------------------------|-------|------|----------|-------|-------|-------------|
| 1) 1,4-Dichlorobenzene-d4      | 7.63  | 152  | 3738     | 0.40  | ng    | 0.00        |
| 7) Naphthalene-d8              | 10.38 | 136  | 13156    | 0.40  | ng    | -0.01       |
| 13) Acenaphthene-d10           | 14.25 | 164  | 7855     | 0.40  | ng    | -0.01       |
| 19) Phenanthrene-d10           | 16.99 | 188  | 18706    | 0.40  | ng    | -0.01       |
| 27) Chrysene-d12               | 21.19 | 240  | 20497    | 0.40  | ng    | -0.01       |
| 34) Perylene-d12               | 23.35 | 264  | 22609    | 0.40  | ng    | -0.02       |
| System Monitoring Compounds    |       |      |          |       |       |             |
| 4) 2-Fluorophenol              | 5.26  | 112  | 446      | 0.05  | ng    | 0.00        |
| 5) Phenol-d6                   | 6.81  | 99   | 384      | 0.04  | ng    | 0.00        |
| 8) Nitrobenzene-d5             | 8.76  | 82   | 4099     | 0.52  | ng    | -0.01       |
| 11) 2-Methylnaphthalene-d10    | 11.97 | 152  | 5557     | 0.26  | ng    | -0.02       |
| 14) 2,4,6-Tribromophenol       | 15.73 | 330  | 400      | 0.14  | ng    | -0.02       |
| 15) 2-Fluorobiphenyl           | 12.86 | 172  | 16822    | 0.60  | ng    | -0.01       |
| 25) Fluoranthene-d10           | 19.02 | 212  | 15303    | 0.26  | ng    | -0.02       |
| 29) Terphenyl-d14              | 19.63 | 244  | 19622    | 0.42  | ng    | -0.02       |
| Target Compounds               |       |      |          |       |       |             |
| 2) 1,4-Dioxane                 | 3.26  | 88   | 571      | 0.157 | ng    | Qvalue # 63 |
| 32) Bis(2-ethylhexyl)phthalate | 21.13 | 149  | 5306m    | 0.179 | ng    |             |

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

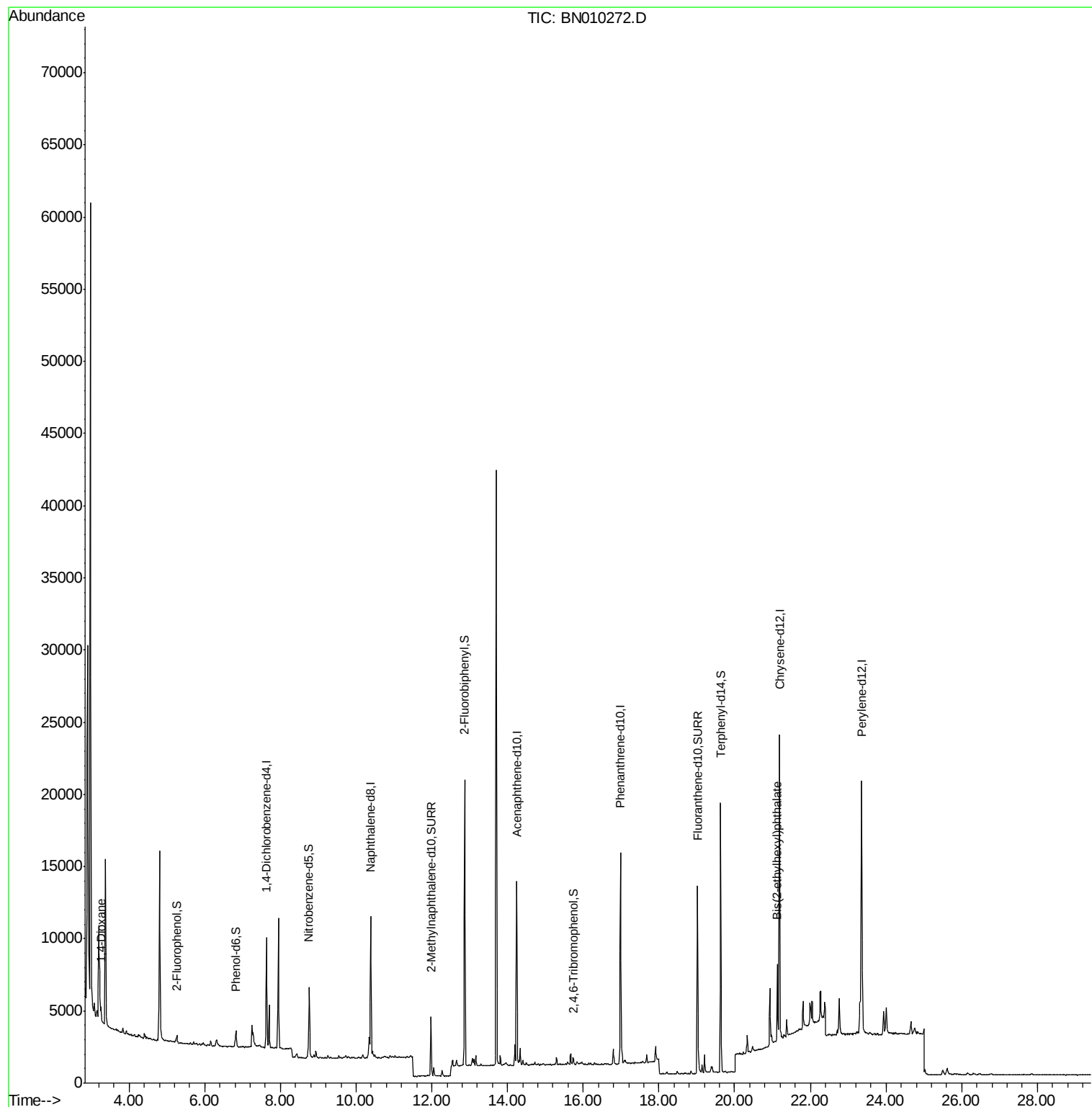
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN031820\  
Data File : BN010272.D  
Acq On : 18 Mar 2020 20:20  
Operator : CG/JU  
Sample : L1903-25  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

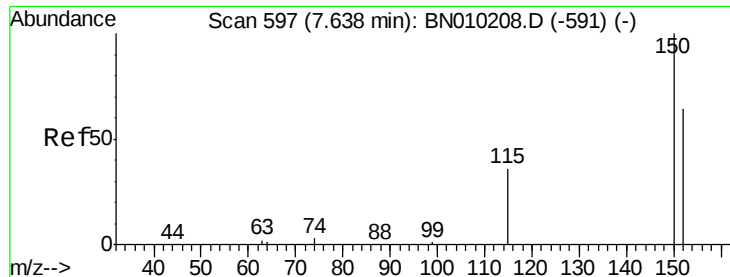
Instrument :  
BNA\_N  
ClientSampleId :  
RE135D3-20200311

Manual Integrations  
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Quant Time: Mar 19 01:42:48 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN031320.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Mar 16 02:17:23 2020  
Response via : Initial Calibration





#1

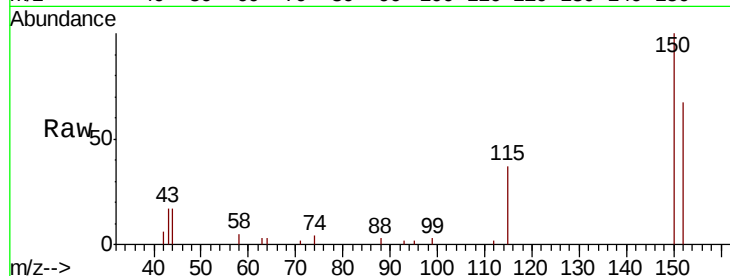
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.63 min Scan# 596  
Delta R.T. -0.01 min  
Lab File: BN010272.D  
Acq: 18 Mar 2020 20:20

Instrument :  
BNA\_N  
ClientSampleId :  
RE135D3-20200311

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 148.4 | 119.5 | 179.3 |
| 115     | 54.6  | 50.9  | 76.3  |

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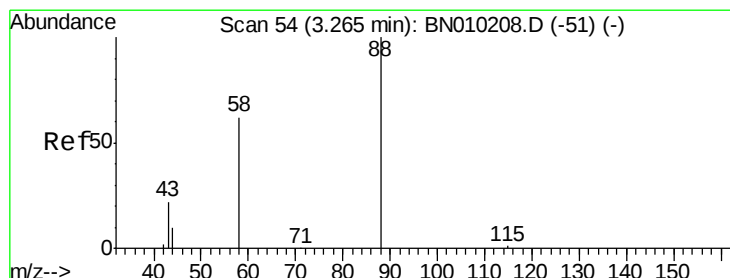
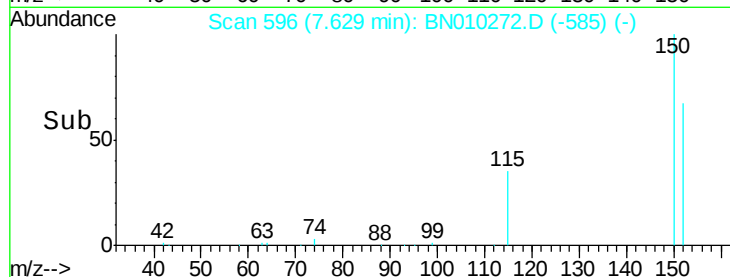
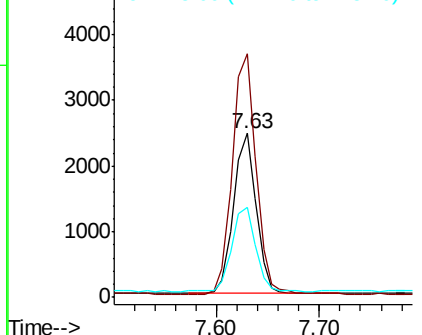


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

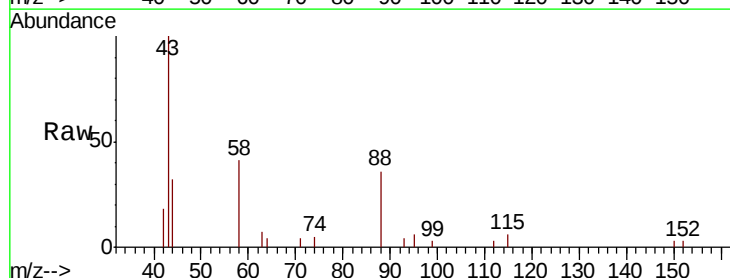
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane  
Concen: 0.157 ng  
RT: 3.26 min Scan# 53  
Delta R.T. -0.01 min  
Lab File: BN010272.D  
Acq: 18 Mar 2020 20:20

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 88      | 100   |       |        |
| 58      | 74.4  | 97.8  | 146.8# |
| 43      | 75.7  | 45.1  | 67.7#  |

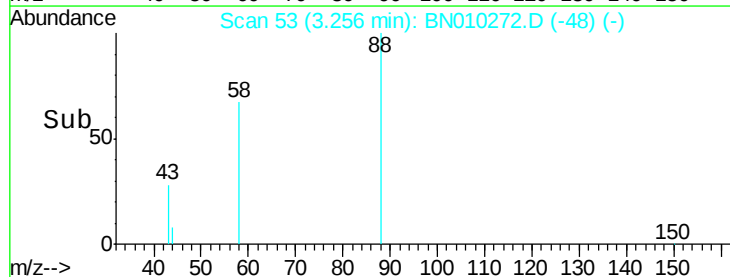
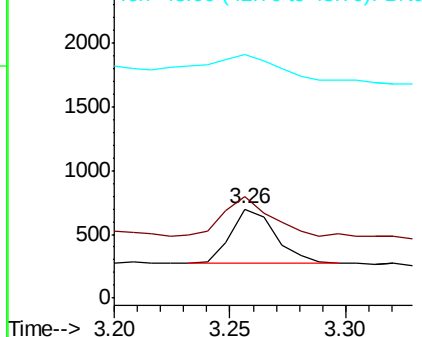


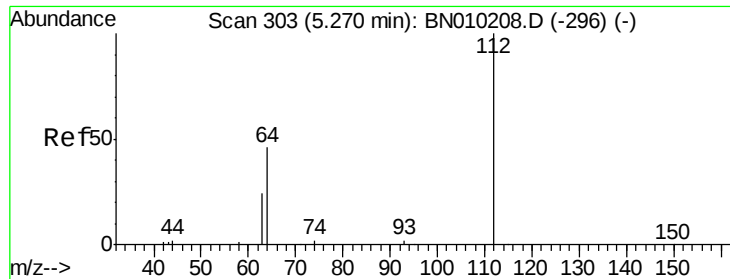
Abundance

Ion 88.00 (87.70 to 88.70): BNC

Ion 58.00 (57.70 to 58.70): BNC

Ion 43.00 (42.70 to 43.70): BNC





#4

2-Fluorophenol

Concen: 0.051 ng

RT: 5.26 min Scan# 302

Delta R.T. -0.01 min

Lab File: BN010272.D

Acq: 18 Mar 2020 20:20

Instrument :

BNA\_N

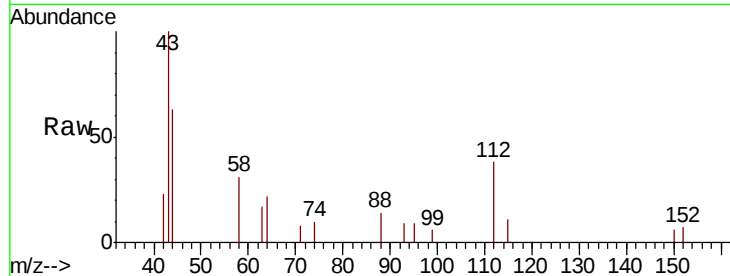
ClientSampleId :

RE135D3-20200311

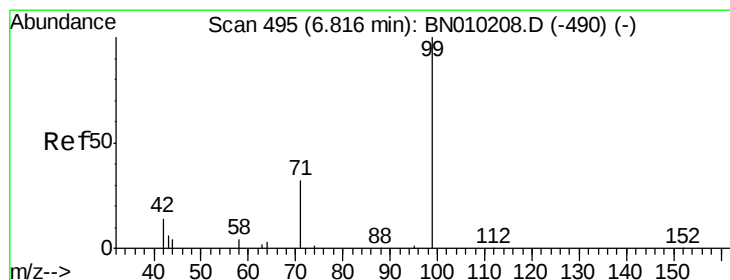
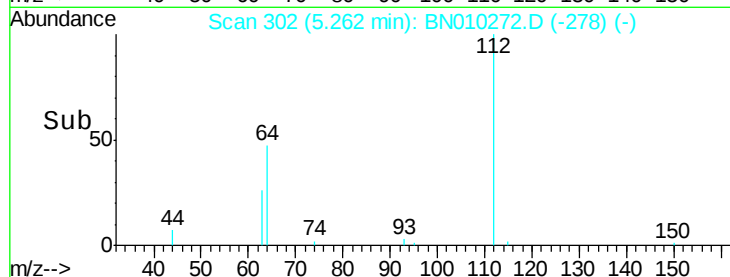
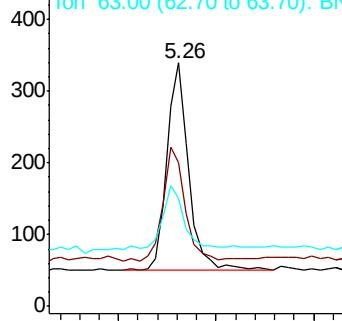
|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 112   | Resp: | 446   |
| Ion Ratio | Lower | Upper |       |
| 112       | 100   |       |       |
| 64        | 55.8  | 42.6  | 63.8  |
| 63        | 43.0  | 23.6  | 35.4# |

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Abundance Ion 112.00 (111.70 to 112.70): B



#5

Phenol-d6

Concen: 0.035 ng

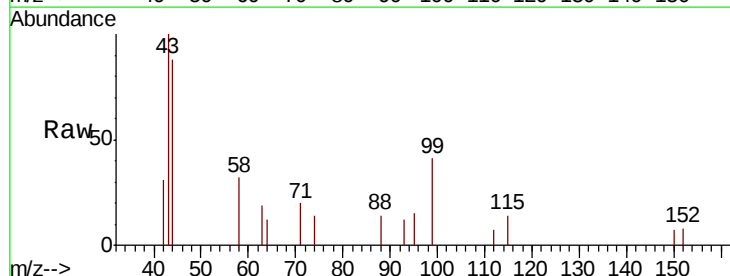
RT: 6.81 min Scan# 494

Delta R.T. -0.01 min

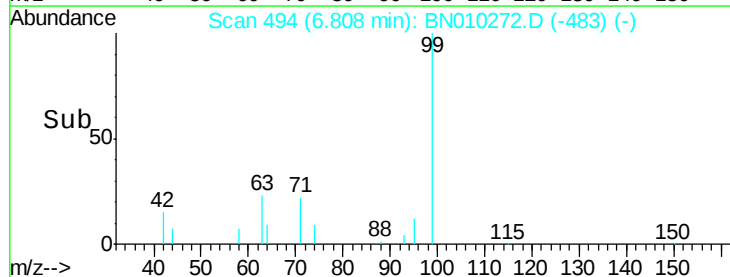
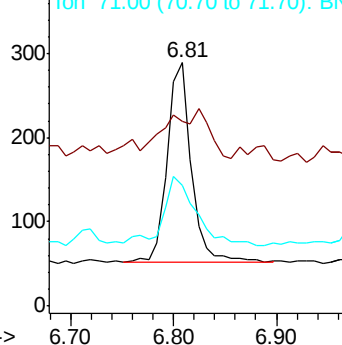
Lab File: BN010272.D

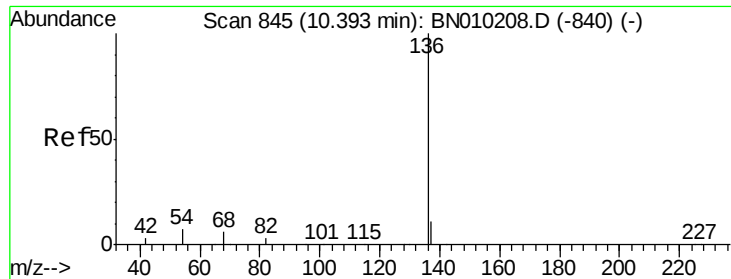
Acq: 18 Mar 2020 20:20

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 99    | Resp: | 384   |
| Ion Ratio | Lower | Upper |       |
| 99        | 100   |       |       |
| 42        | 0.0   | 12.0  | 18.0# |
| 71        | 50.8  | 22.6  | 33.8# |



Abundance Ion 99.00 (98.70 to 99.70): B





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.38 min Scan# 844

Delta R.T. -0.01 min

Lab File: BN010272.D

Acq: 18 Mar 2020 20:20

Instrument :

BNA\_N

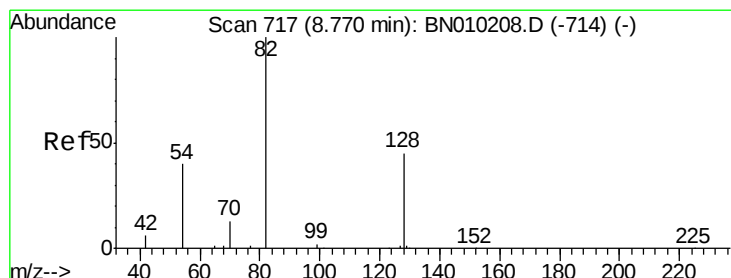
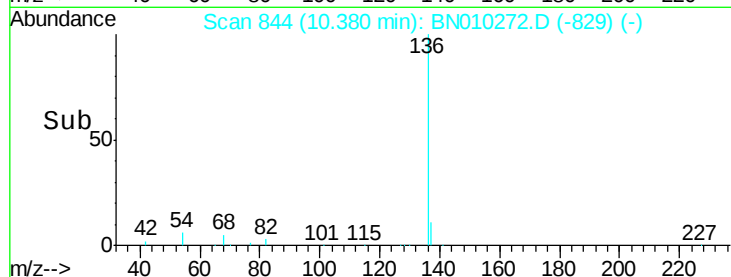
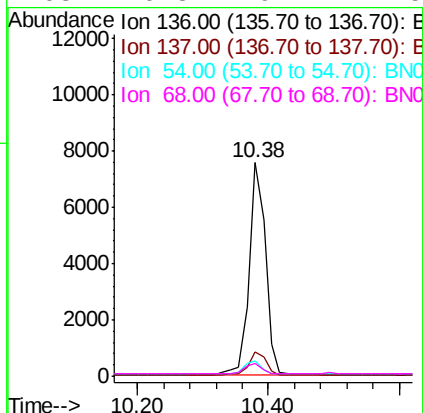
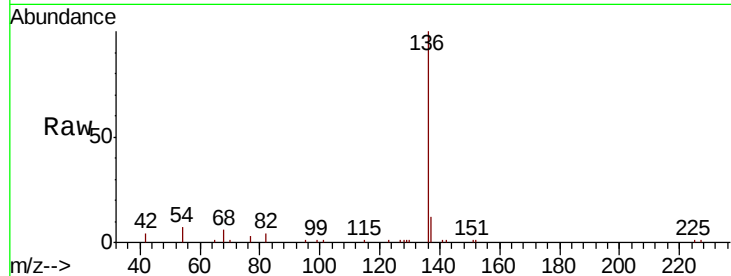
ClientSampleId :

RE135D3-20200311

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 136     | 100   |      |       |       |
| 137     | 11.6  | 10.6 | 15.8  |       |
| 54      | 7.4   | 9.5  | 14.3  |       |
| 68      | 6.3   | 9.7  | 14.5  |       |

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#8

Nitrobenzene-d5

Concen: 0.520 ng

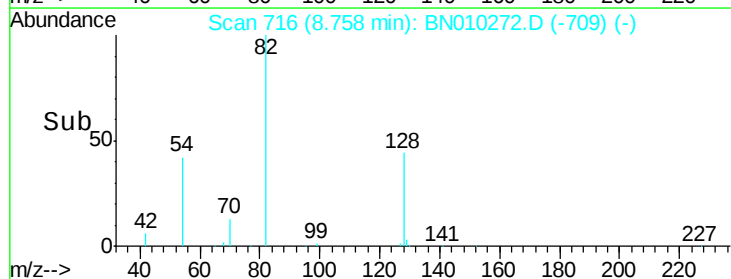
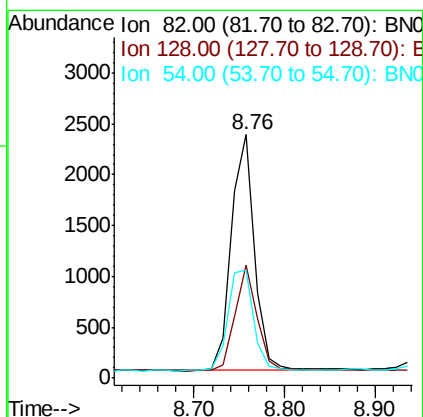
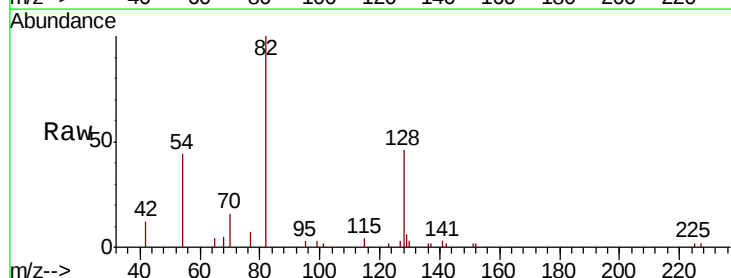
RT: 8.76 min Scan# 716

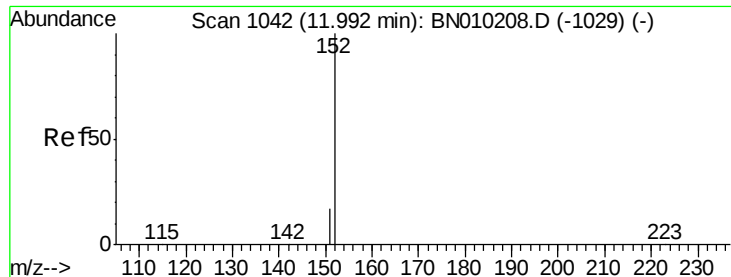
Delta R.T. -0.01 min

Lab File: BN010272.D

Acq: 18 Mar 2020 20:20

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 82      | 100   |      |       |       |
| 128     | 46.2  | 35.0 | 52.6  |       |
| 54      | 44.3  | 37.0 | 55.4  |       |





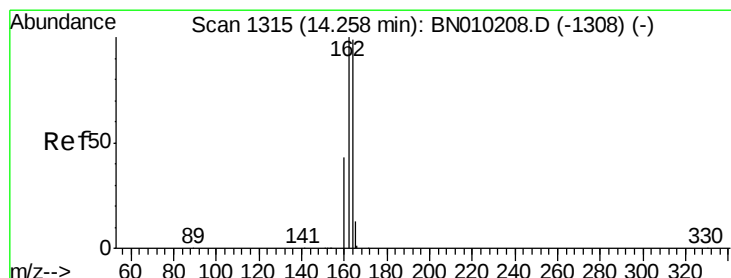
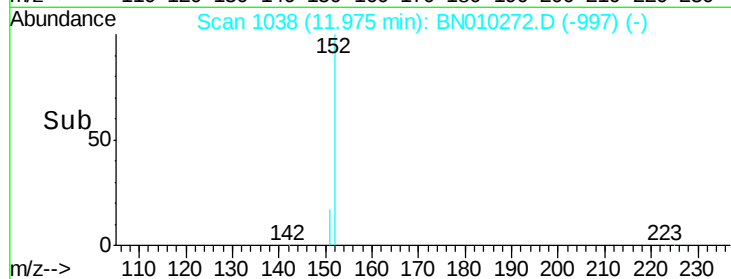
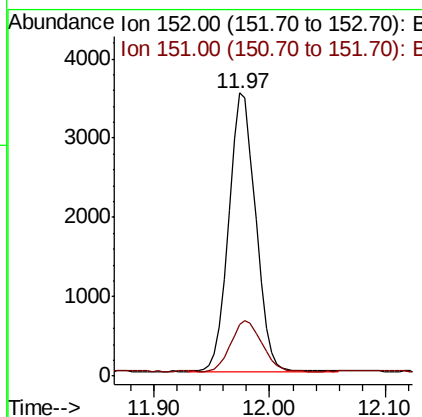
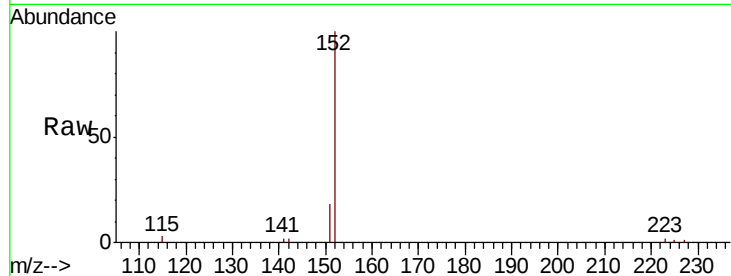
#11  
2-Methylnaphthalene-d10  
Concen: 0.256 ng  
RT: 11.97 min Scan# 1038  
Delta R.T. -0.02 min  
Lab File: BN010272.D  
Acq: 18 Mar 2020 20:20

Instrument :  
BNA\_N  
ClientSampleId :  
RE135D3-20200311

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 20.6  | 15.0  | 22.6  |

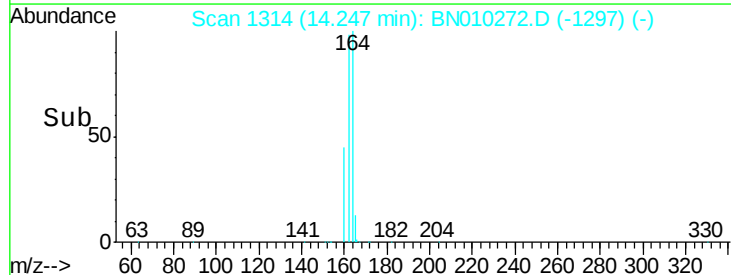
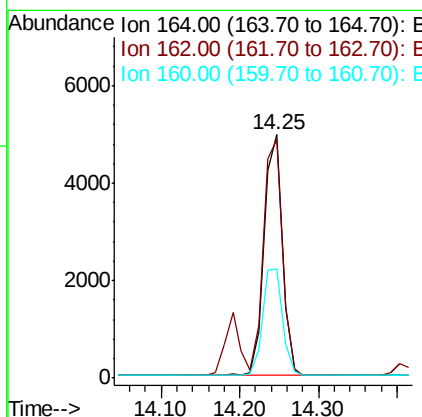
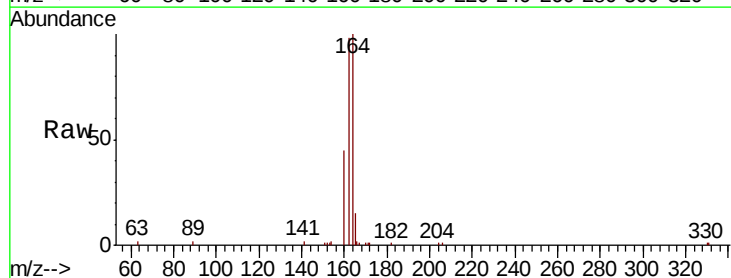
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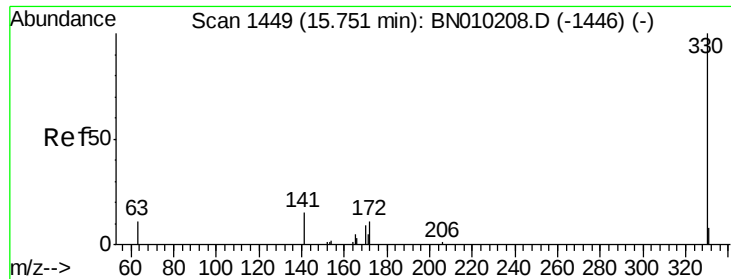
mohammad  
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#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.25 min Scan# 1314  
Delta R.T. -0.01 min  
Lab File: BN010272.D  
Acq: 18 Mar 2020 20:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 98.0  | 81.0  | 121.4 |
| 160     | 45.1  | 35.6  | 53.4  |





#14

2,4,6-Tribromophenol

Concen: 0.142 ng

RT: 15.73 min Scan# 1447

Delta R.T. -0.02 min

Lab File: BN010272.D

Acq: 18 Mar 2020 20:20

Instrument :

BNA\_N

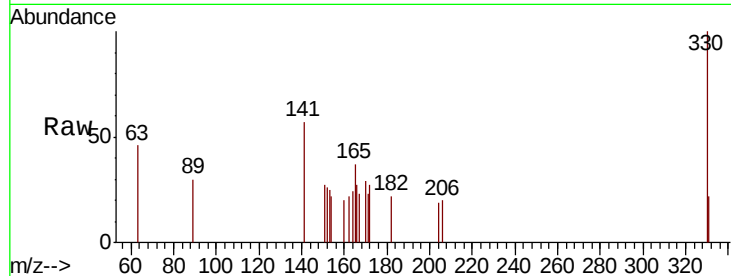
ClientSampleId :

RE135D3-20200311

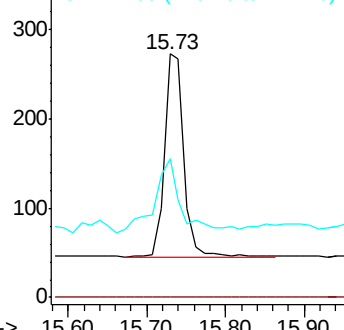
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 0.0   | 0.0   | 0.0   |
| 141     | 49.0  | 25.1  | 37.7  |

Manual Integrations  
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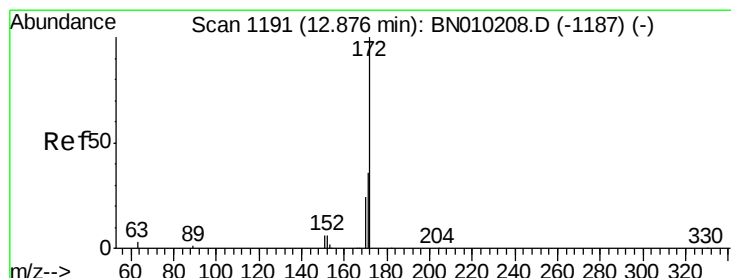
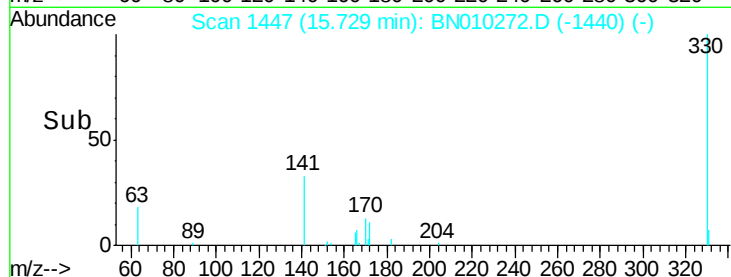
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3/19/2020 2:43:06 PM



Abundance Ion 330.00 (329.70 to 330.70): E  
Ion 331.80 (331.50 to 332.50): E  
Ion 141.00 (140.70 to 141.70): E



Time-->



#15

2-Fluorobiphenyl

Concen: 0.601 ng

RT: 12.86 min Scan# 1190

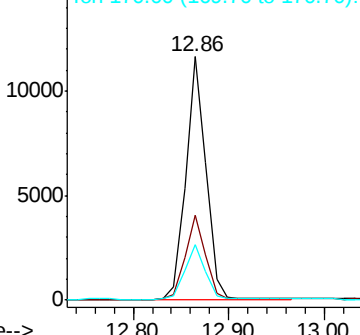
Delta R.T. -0.01 min

Lab File: BN010272.D

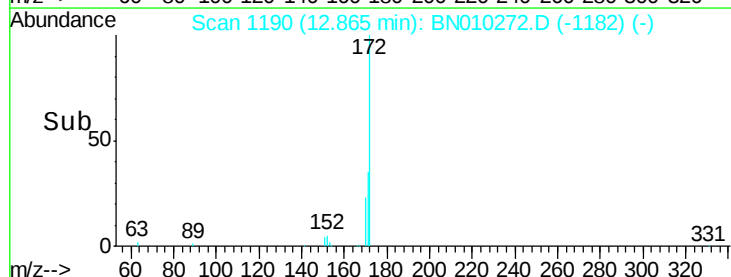
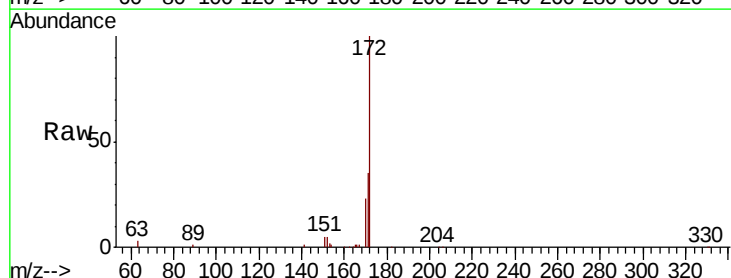
Acq: 18 Mar 2020 20:20

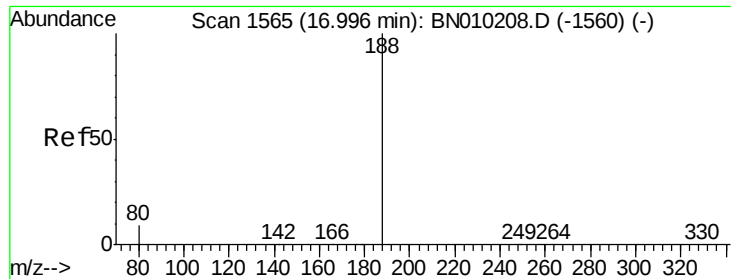
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.0  | 29.4  | 44.2  |
| 170     | 23.0  | 20.2  | 30.4  |

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



Time-->





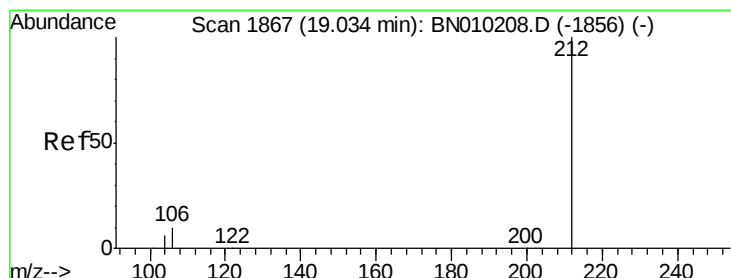
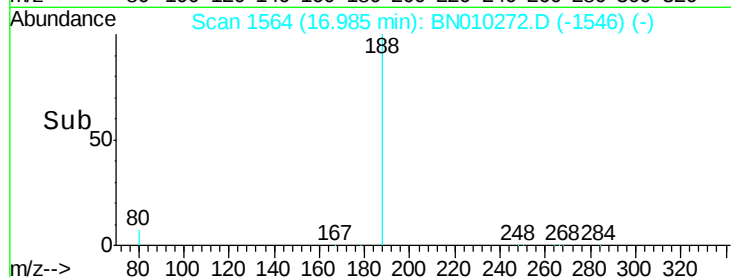
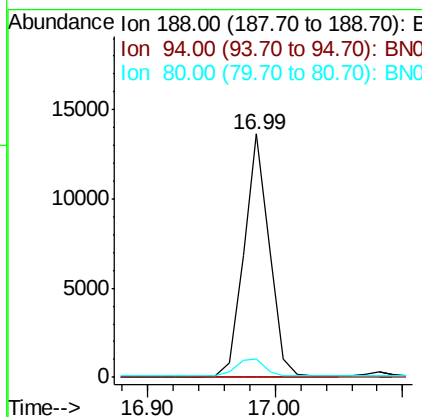
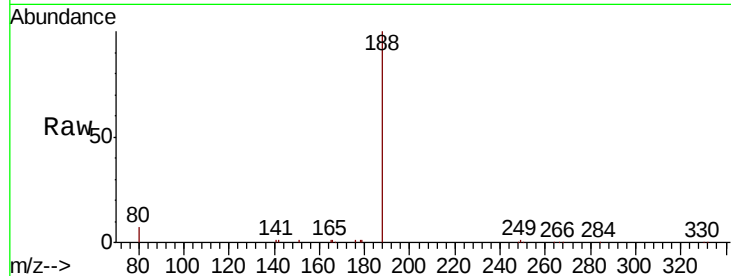
#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 16.99 min Scan# 1564  
Delta R.T. -0.01 min  
Lab File: BN010272.D  
Acq: 18 Mar 2020 20:20

Instrument :  
BNA\_N  
ClientSampleId :  
RE135D3-20200311

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 188     | 100   |            |       |
| 94      | 0.0   | 0.0        | 0.0   |
| 80      | 7.5   | 8.6        | 12.8# |

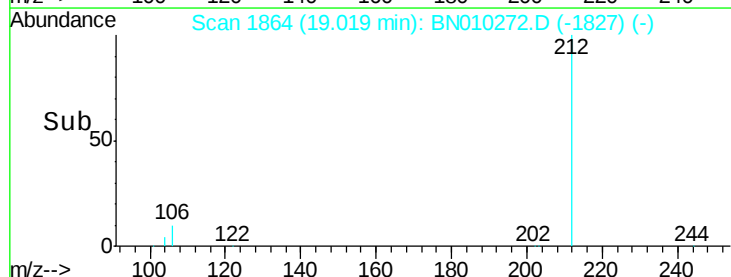
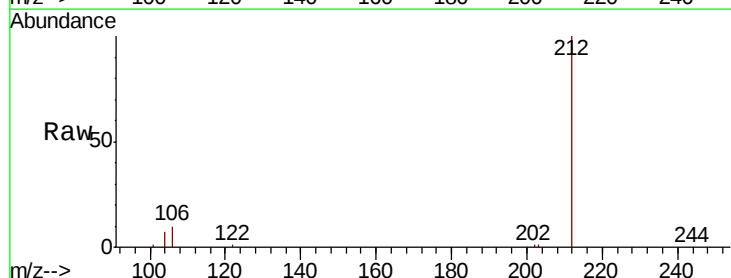
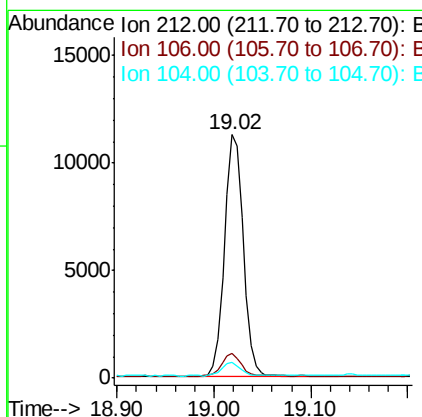
Manual Integrations  
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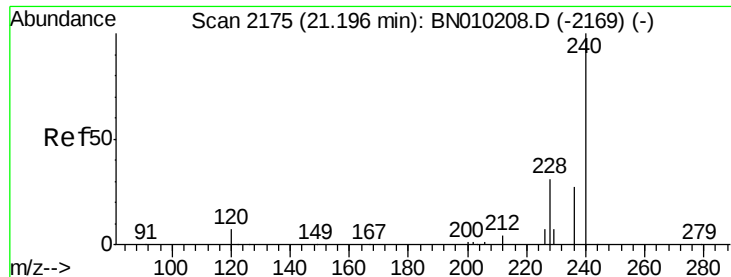
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#25  
Fluoranthene-d10  
Concen: 0.265 ng  
RT: 19.02 min Scan# 1864  
Delta R.T. -0.02 min  
Lab File: BN010272.D  
Acq: 18 Mar 2020 20:20

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 212     | 100   |            |       |
| 106     | 9.8   | 8.1        | 12.1  |
| 104     | 5.5   | 4.7        | 7.1   |





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.19 min Scan# 2174

Delta R.T. -0.01 min

Lab File: BN010272.D

Acq: 18 Mar 2020 20:20

Instrument :

BNA\_N

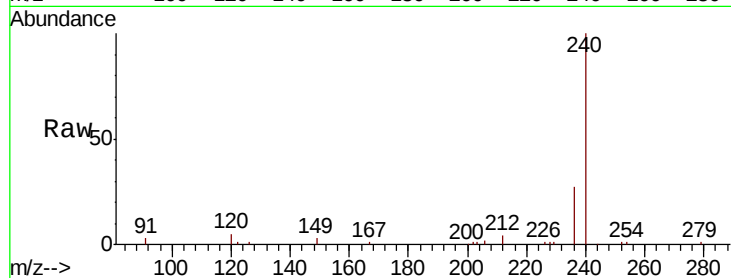
ClientSampleId :

RE135D3-20200311

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 5.3   | 7.7   | 11.5# |
| 236     | 26.6  | 21.8  | 32.6  |

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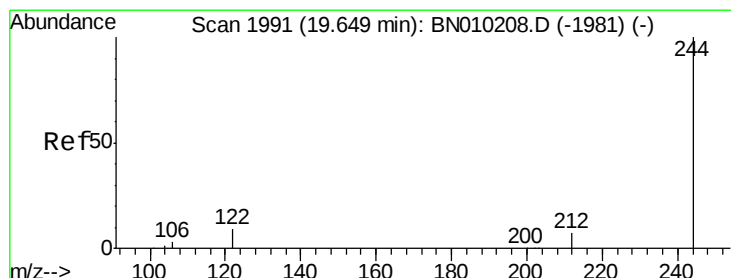
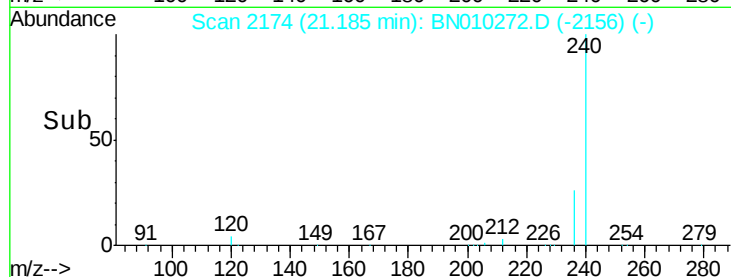
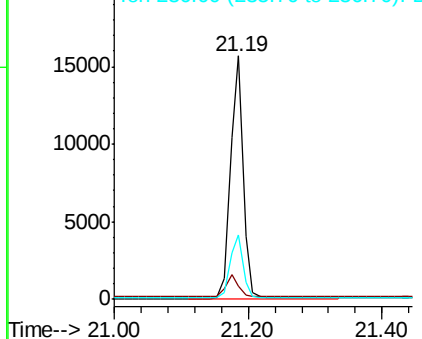


Abundance

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: 0.420 ng

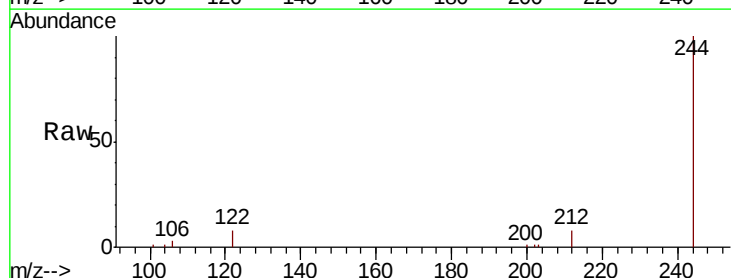
RT: 19.63 min Scan# 1988

Delta R.T. -0.02 min

Lab File: BN010272.D

Acq: 18 Mar 2020 20:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 7.6   | 6.4   | 9.6   |
| 122     | 8.3   | 8.1   | 12.1  |

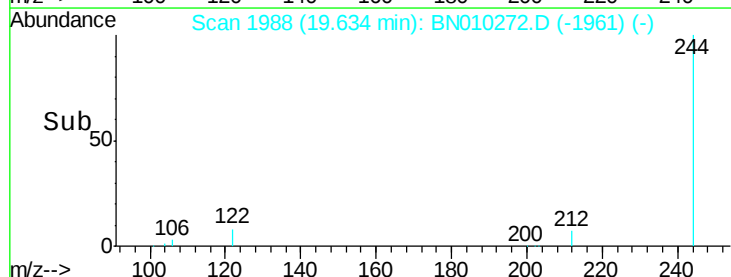
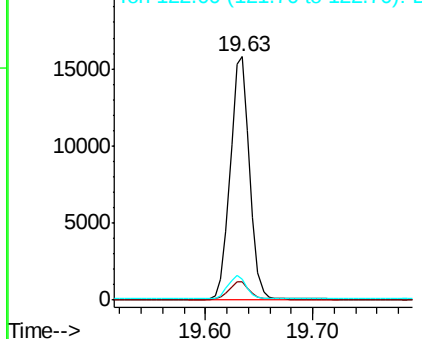


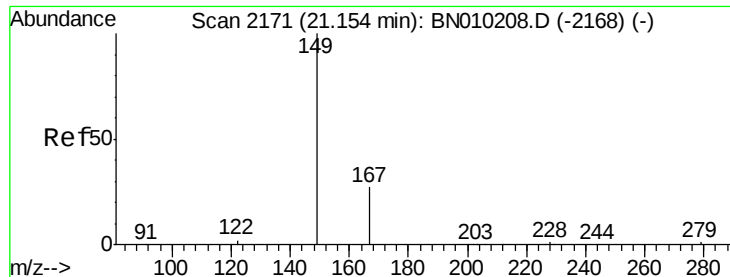
Abundance

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





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.179 ng/mL

RT: 21.13 min Scan# 2169

Delta R.T. -0.02 min

Lab File: BN010272.D

Acq: 18 Mar 2020 20:20

Instrument :

BNA\_N

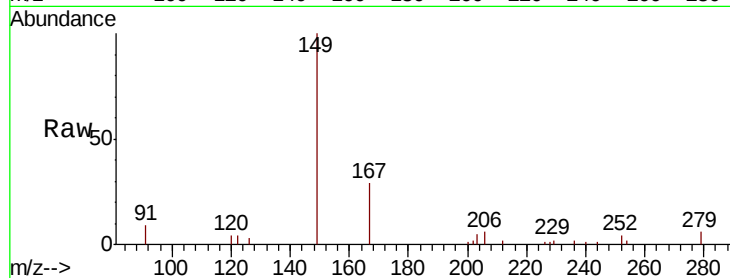
ClientSampleId :

RE135D3-20200311

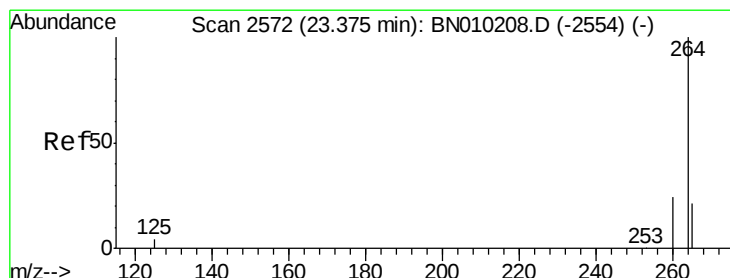
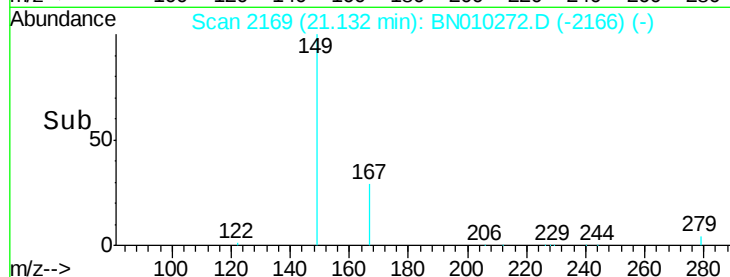
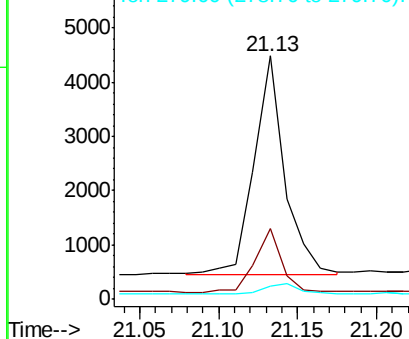
|           |       |       |      |
|-----------|-------|-------|------|
| Tot Ion:  | 149   | Resp: | 5306 |
| Ion Ratio | Lower | Upper |      |
| 149       | 100   |       |      |
| 167       | 23.4  | 21.0  | 31.4 |
| 279       | 4.4   | 3.1   | 4.7  |

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Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 167.00 (166.70 to 167.70): E  
Ion 279.00 (278.70 to 279.70): E



#34

Perylene-d12

Concen: 0.400 ng/mL

RT: 23.35 min Scan# 2566

Delta R.T. -0.02 min

Lab File: BN010272.D

Acq: 18 Mar 2020 20:20

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 264   | Resp: | 22609 |
| Ion Ratio | Lower | Upper |       |
| 264       | 100   |       |       |
| 260       | 24.6  | 19.7  | 29.5  |
| 265       | 38.3  | 25.8  | 38.6  |

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

