

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN080320\  
 Data File : BN011354.D  
 Acq On : 04 Aug 2020 05:01  
 Operator : CG/JU  
 Sample : L3531-01  
 Misc :  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 F4L06

Manual Integrations  
 APPROVED

mohammad  
 8/5/2020 10:28:19 AM

Quant Time: Aug 04 08:15:13 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-SIM-BN073020.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Aug 04 06:45:43 2020  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|----------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.46  | 152  | 890      | 0.40     | ng/ul  | 0.00     |
| 2) Naphthalene-d8           | 10.21 | 136  | 3709     | 0.40     | ng/ul  | 0.00     |
| 6) Acenaphthene-d10         | 14.09 | 164  | 4075     | 0.40     | ng/ul  | 0.00     |
| 10) Phenanthrene-d10        | 16.85 | 188  | 6864m    | 0.40     | ng/ul  | 0.00     |
| 16) Chrysene-d12            | 21.06 | 240  | 7667     | 0.40     | ng/ul  | 0.00     |
| 20) Perylene-d12            | 23.18 | 264  | 8263     | 0.40     | ng/ul  | 0.00     |
| System Monitoring Compounds |       |      |          |          |        |          |
| 4) 2-Methylnaphthalene-d10  | 11.80 | 152  | 2178     | 0.23     | ng/ul  | 0.00     |
| 14) Fluoranthene-d10        | 18.89 | 212  | 9230     | 0.28     | ng/ul  | 0.00     |
| Target Compounds            |       |      |          |          |        |          |
|                             |       |      |          |          | Qvalue |          |
| 3) Naphthalene              | 10.27 | 128  | 5285562  | 479.055  | ng/ul  | 98       |
| 5) 2-Methylnaphthalene      | 11.88 | 142  | 790035   | 106.776  | ng/ul  | 97       |
| 7) Acenaphthylene           | 13.81 | 152  | 16691    | 0.858    | ng/ul# | 70       |
| 8) Acenaphthene             | 14.15 | 153  | 319086   | 20.632   | ng/ul  | 97       |
| 9) Fluorene                 | 15.15 | 166  | 187658   | 10.318   | ng/ul  | 98       |
| 11) Pentachlorophenol       | 16.53 | 266  | 2522324  | 1498.915 | ng/ul  | 99       |
| 12) Phenanthrene            | 16.89 | 178  | 353689   | 15.555   | ng/ul  | 99       |
| 13) Anthracene              | 16.98 | 178  | 29281    | 1.475    | ng/ul  | 98       |
| 15) Fluoranthene            | 18.92 | 202  | 14647    | 0.522    | ng/ul  | 92       |
| 17) Pyrene                  | 19.28 | 202  | 6984m    | 0.201    | ng/ul  |          |

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

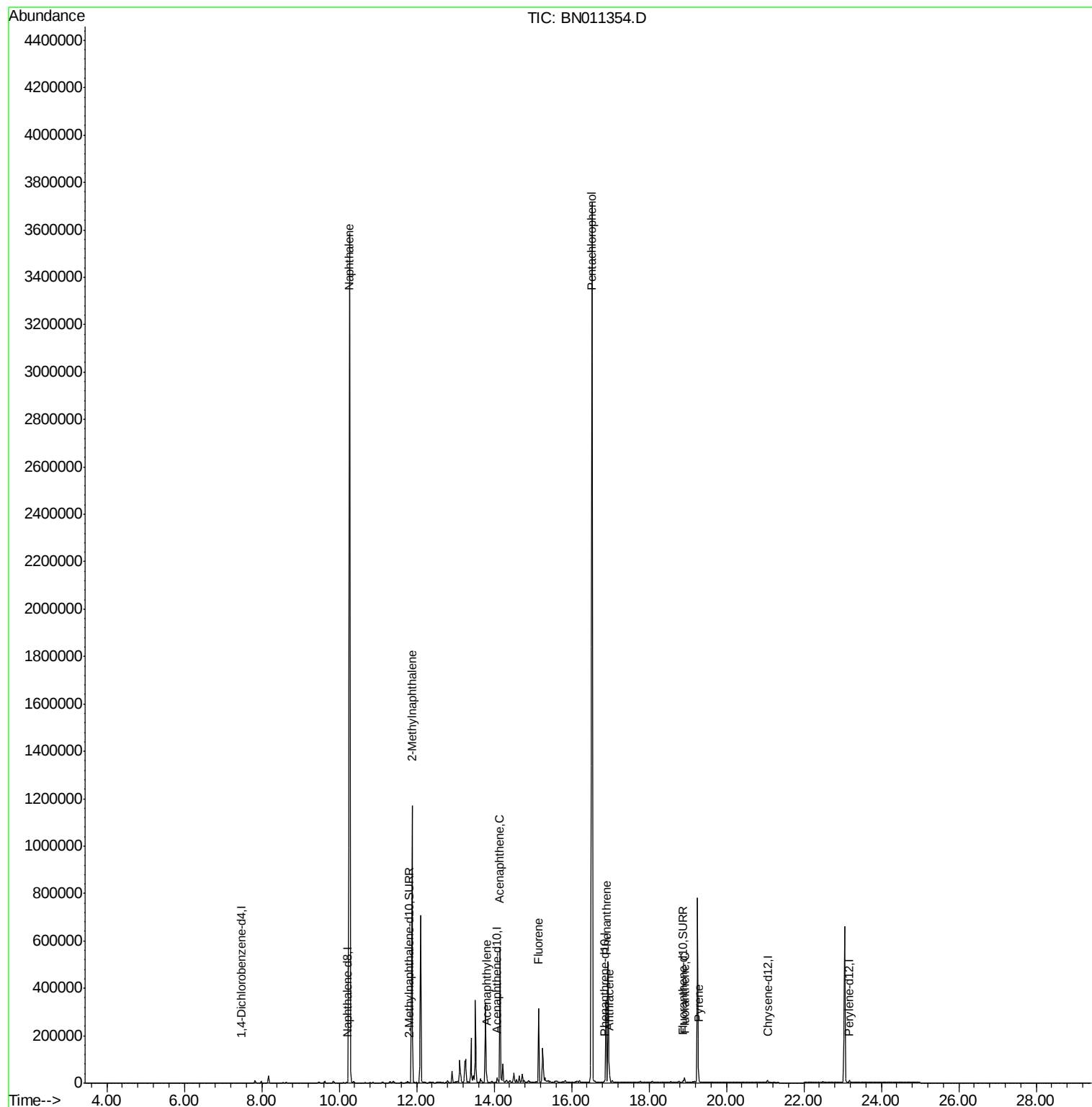
Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN080320\  
Data File : BN011354.D  
Acq On : 04 Aug 2020 05:01  
Operator : CG/JU  
Sample : L3531-01  
Misc :  
ALS Vial : 27 Sample Multiplier: 1

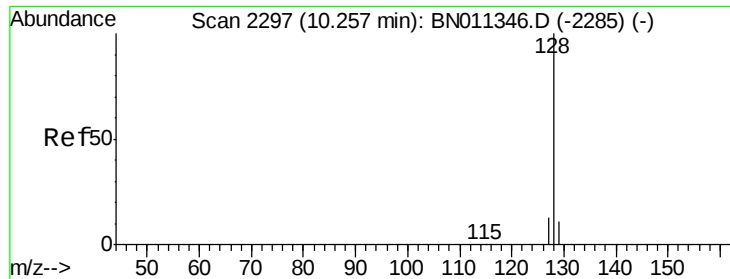
Instrument :  
BNA\_N  
ClientSampleId :  
F4L06

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Quant Time: Aug 04 08:15:13 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-SIM-BN073020.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Aug 04 06:45:43 2020  
Response via : Initial Calibration





#3

Naphthalene

Concen: 479.055 ng/ul

RT: 10.27 min Scan# 2299

Delta R.T. 0.01 min

Lab File: BN011354.D

Acq: 04 Aug 2020 05:01

Instrument :

BNA\_N

ClientSampleId :

F4L06

Tgt Ion:128 Resp: 5285562

Ion Ratio Lower Upper

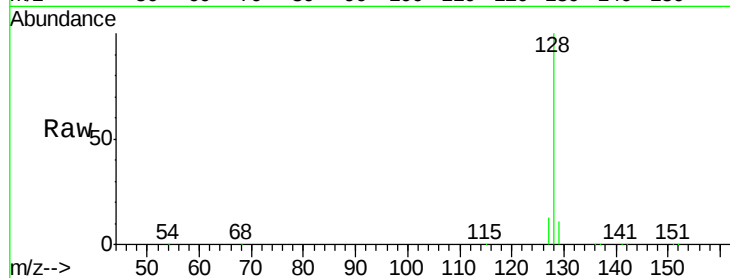
128 100

129 11.5 9.6 14.4

127 13.3 11.2 16.8

Manual Integrations  
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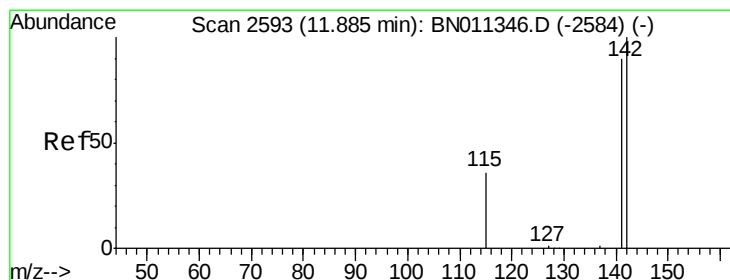
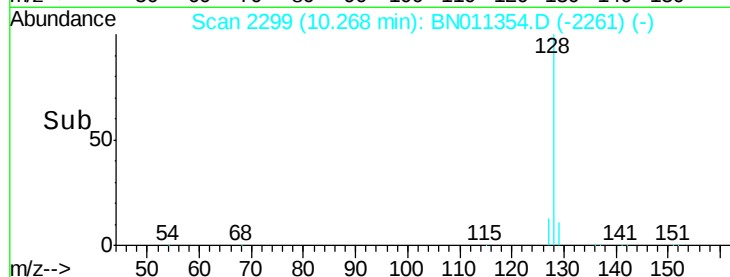
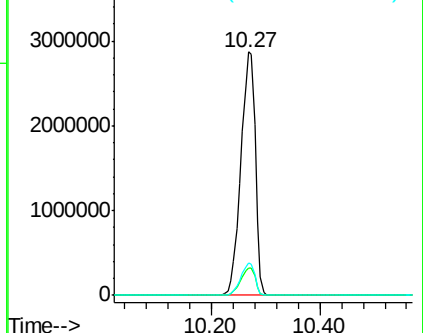
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Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#5

2-Methylnaphthalene

Concen: 106.776 ng/ul

RT: 11.88 min Scan# 2592

Delta R.T. -0.01 min

Lab File: BN011354.D

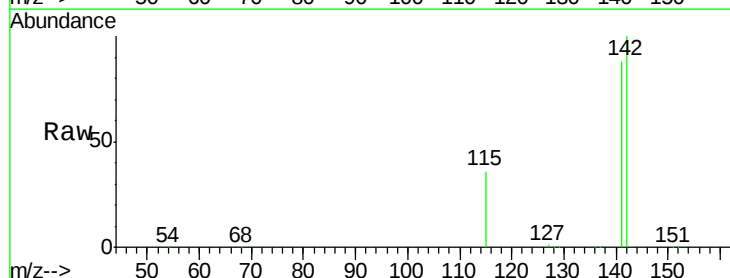
Acq: 04 Aug 2020 05:01

Tgt Ion:142 Resp: 790035

Ion Ratio Lower Upper

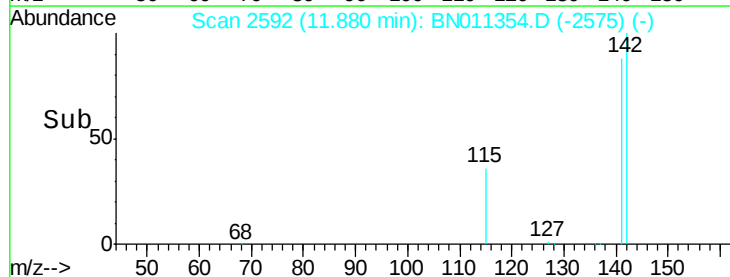
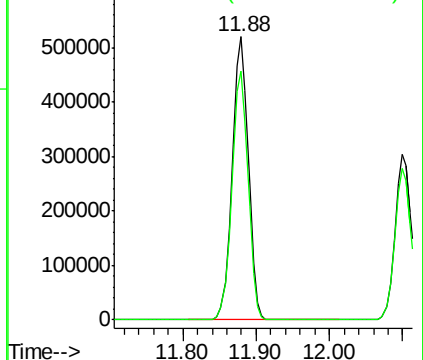
142 100

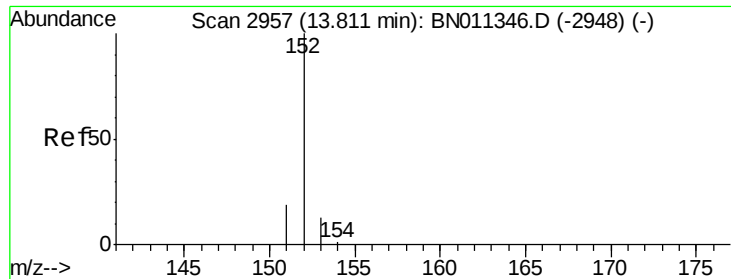
141 88.4 72.8 109.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.858 ng/ul

RT: 13.81 min Scan# 2956

Delta R.T. -0.00 min

Lab File: BN011354.D

Acq: 04 Aug 2020 05:01

Instrument :

BNA\_N

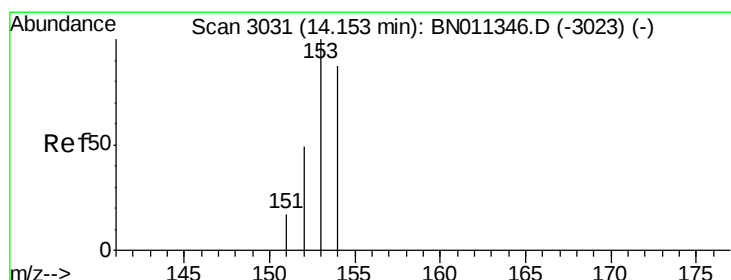
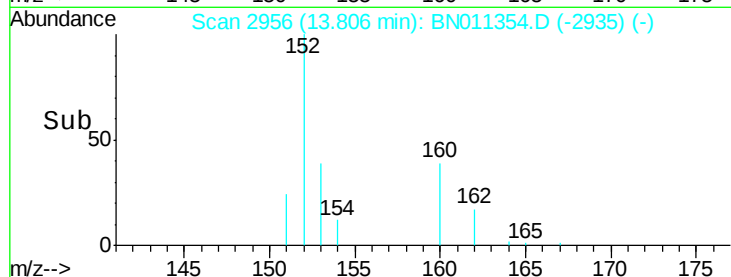
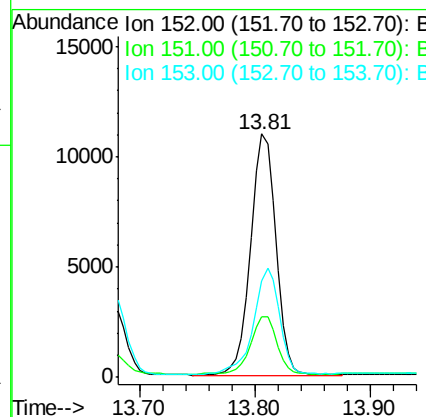
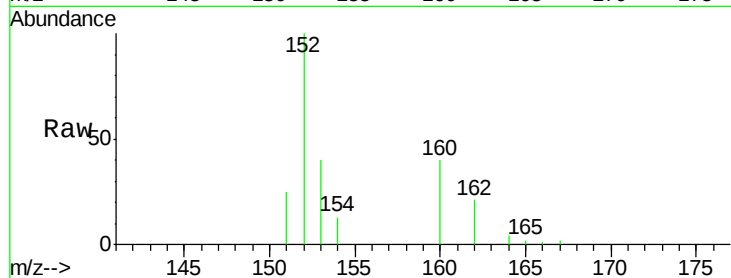
ClientSampled :

F4L06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 25.0  | 17.1  | 25.7  |
| 153     | 39.8  | 11.4  | 17.0  |

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#8

Acenaphthene

Concen: 20.632 ng/ul

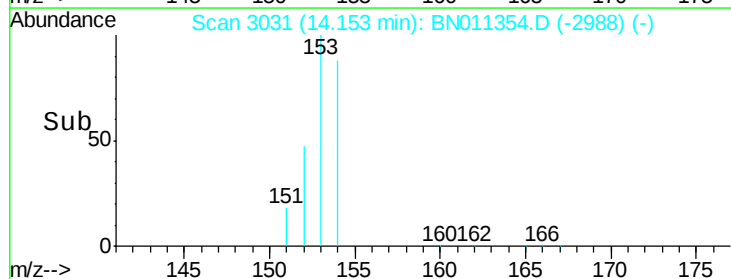
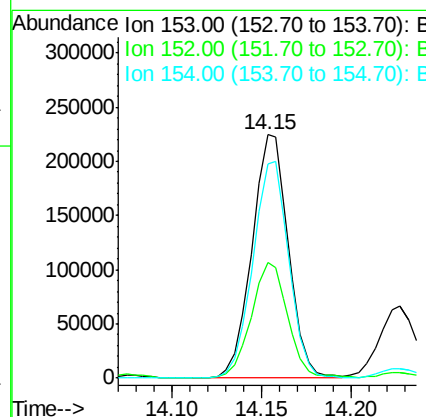
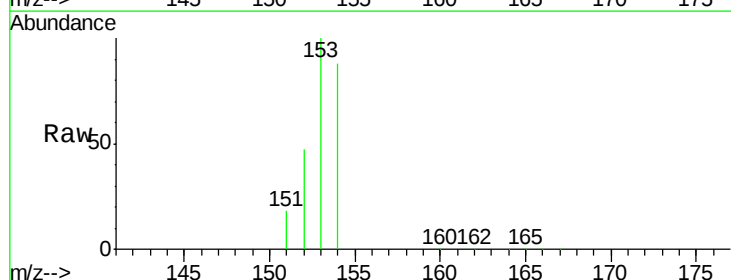
RT: 14.15 min Scan# 3031

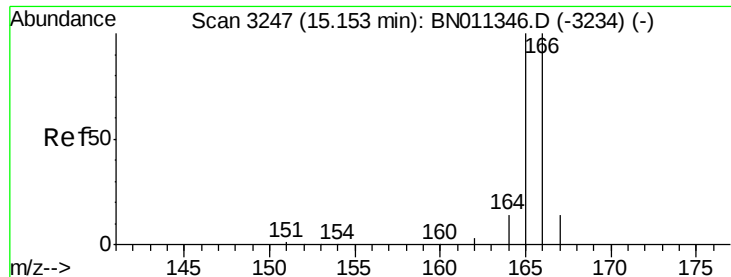
Delta R.T. -0.00 min

Lab File: BN011354.D

Acq: 04 Aug 2020 05:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 153     | 100   |       |       |
| 152     | 47.4  | 40.5  | 60.7  |
| 154     | 88.1  | 69.5  | 104.3 |





#9

Fluorene

Concen: 10.318 ng/ul

RT: 15.15 min Scan# 3247

Delta R.T. -0.00 min

Lab File: BN011354.D

Acq: 04 Aug 2020 05:01

Instrument :

BNA\_N

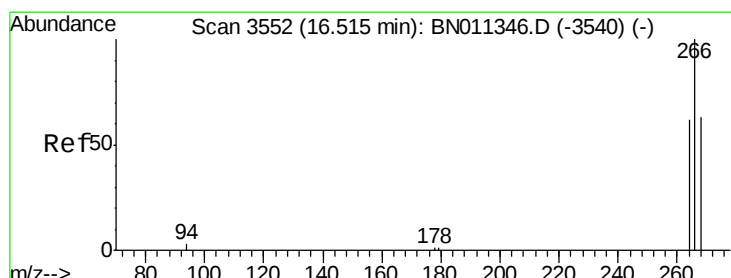
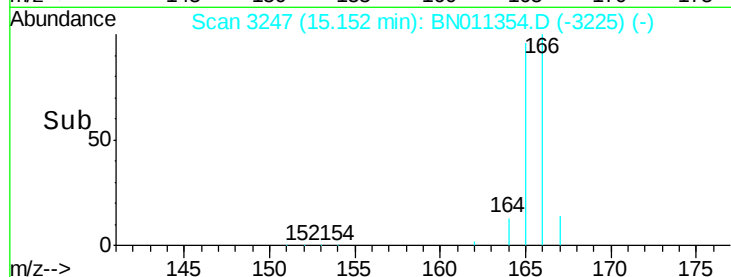
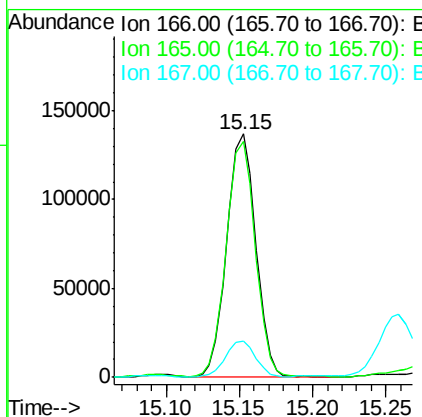
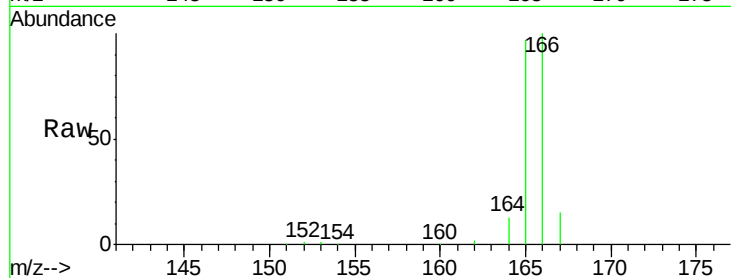
ClientSampleId :

F4L06

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 166   | Resp: | 187658 |
| Ion Ratio | Lower | Upper |        |
| 166       | 100   |       |        |
| 165       | 96.7  | 78.8  | 118.2  |
| 167       | 14.9  | 12.1  | 18.1   |

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#11

Pentachlorophenol

Concen: 1498.915 ng/ul

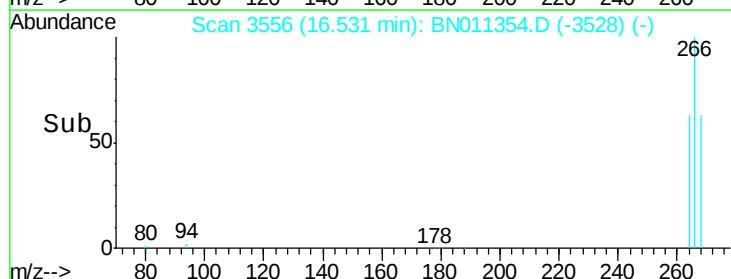
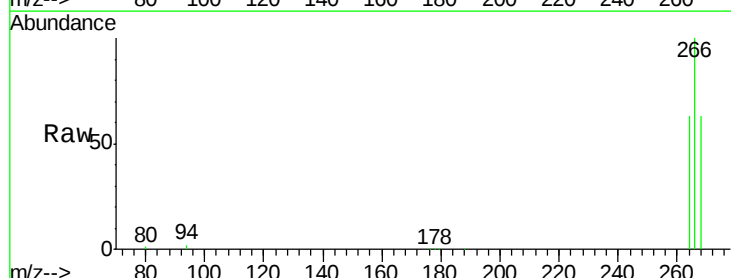
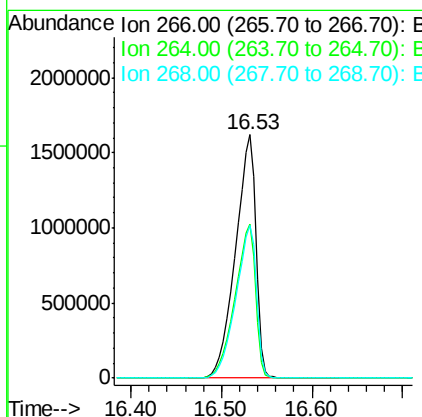
RT: 16.53 min Scan# 3556

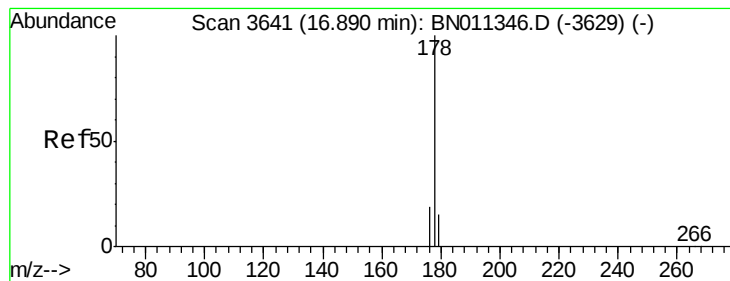
Delta R.T. 0.02 min

Lab File: BN011354.D

Acq: 04 Aug 2020 05:01

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 266   | Resp: | 2522324 |
| Ion Ratio | Lower | Upper |         |
| 266       | 100   |       |         |
| 264       | 63.6  | 50.7  | 76.1    |
| 268       | 63.3  | 51.3  | 76.9    |





#12

Phenanthrene

Concen: 15.555 ng/ul

RT: 16.89 min Scan# 3642

Delta R.T. 0.00 min

Lab File: BN011354.D

Acq: 04 Aug 2020 05:01

Instrument :

BNA\_N

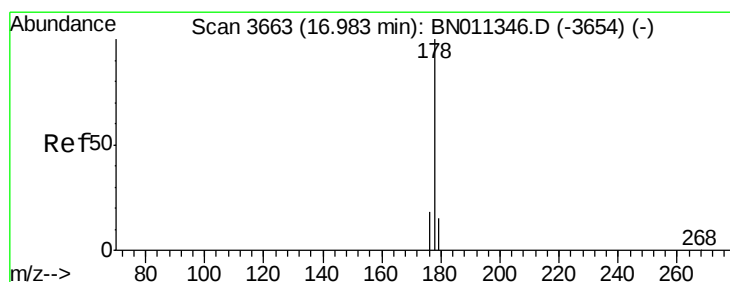
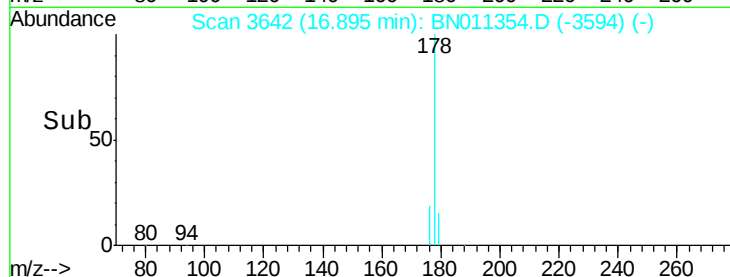
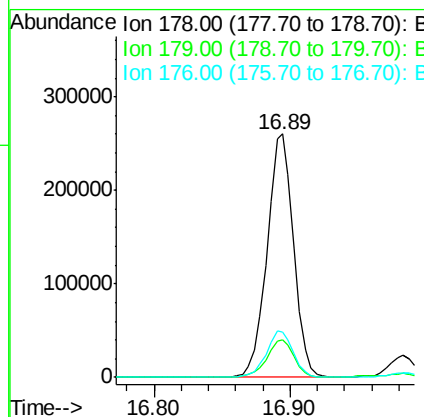
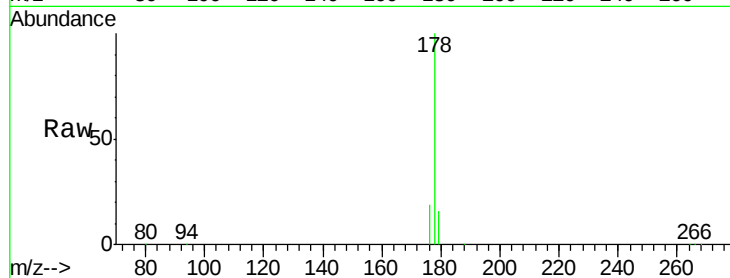
ClientSampleId :

F4L06

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 178   | Resp: | 353689 |
| Ion Ratio | Lower | Upper |        |
| 178       | 100   |       |        |
| 179       | 15.6  | 12.6  | 18.8   |
| 176       | 18.7  | 15.7  | 23.5   |

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#13

Anthracene

Concen: 1.475 ng/ul

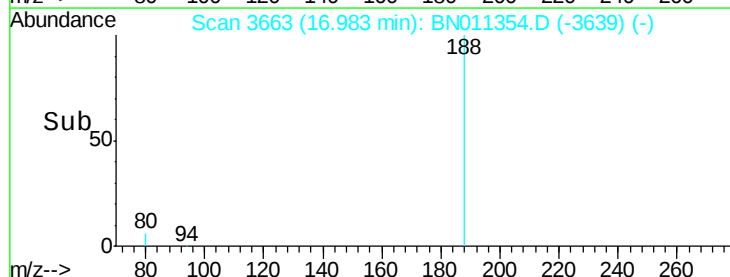
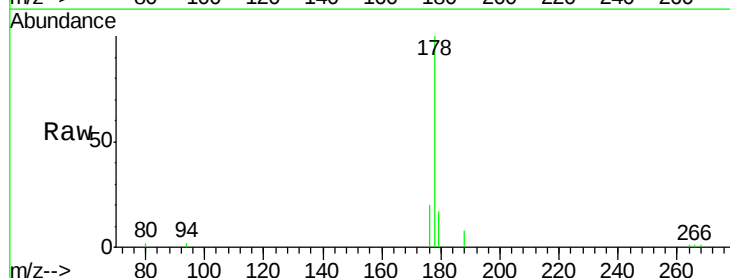
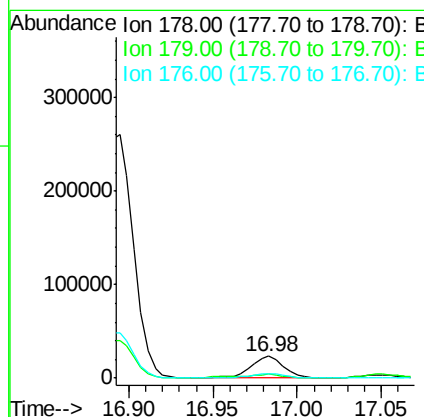
RT: 16.98 min Scan# 3663

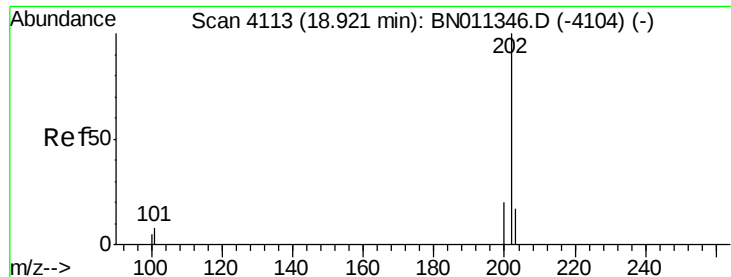
Delta R.T. -0.00 min

Lab File: BN011354.D

Acq: 04 Aug 2020 05:01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 178   | Resp: | 29281 |
| Ion Ratio | Lower | Upper |       |
| 178       | 100   |       |       |
| 179       | 16.6  | 13.1  | 19.7  |
| 176       | 20.3  | 14.8  | 22.2  |





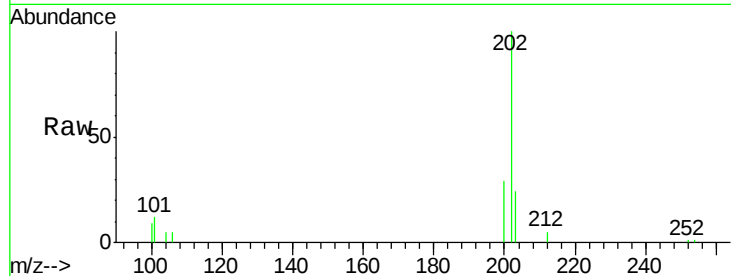
#15  
Fluoranthene  
Concen: 0.522 ng/ul  
RT: 18.92 min Scan# 4112  
Delta R.T. -0.00 min  
Lab File: BN011354.D  
Acq: 04 Aug 2020 05:01

Instrument :  
BNA\_N  
ClientSampleId :  
F4L06

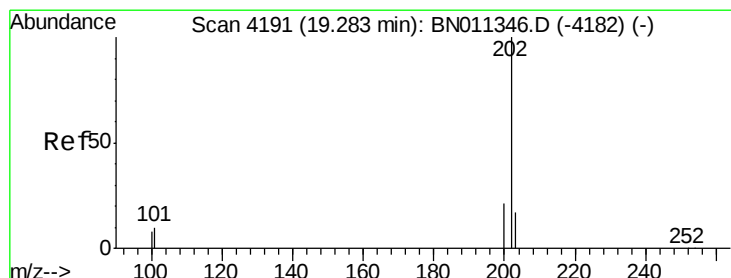
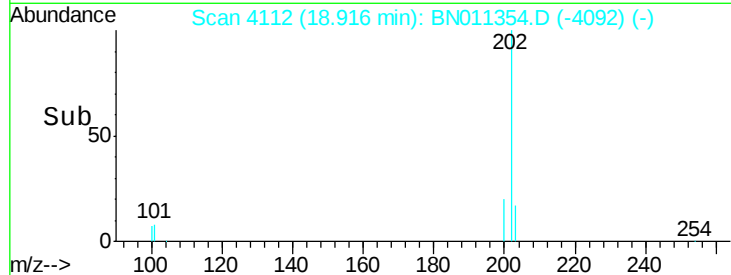
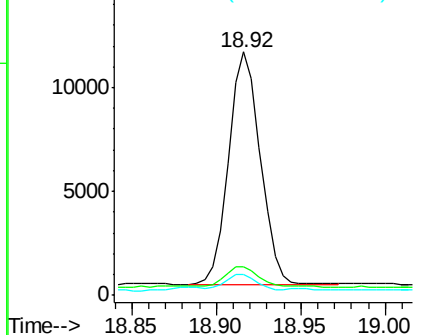
| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 202     | 100   | 14647 |       |       |
| 101     | 11.7  | 0.0   | 28.2  |       |
| 100     | 8.6   | 0.0   | 26.8  |       |

Manual Integrations  
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Abundance Ion 202.00 (201.70 to 202.70): E  
Ion 101.00 (100.70 to 101.70): E  
Ion 100.00 (99.70 to 100.70): B



#17  
Pyrene  
Concen: 0.201 ng/ul m  
RT: 19.28 min Scan# 4191  
Delta R.T. -0.00 min  
Lab File: BN011354.D  
Acq: 04 Aug 2020 05:01

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 202     | 100   | 6984 |       |       |
| 101     | 15.0  | 8.5  | 12.7# |       |
| 100     | 11.3  | 7.1  | 10.7# |       |

Abundance Ion 202.00 (201.70 to 202.70): E  
Ion 101.00 (100.70 to 101.70): E  
Ion 100.00 (99.70 to 100.70): B

