

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN070523\  
 Data File : BN026319.D  
 Acq On : 06 Jul 2023 08:14  
 Operator : MA/JU  
 Sample : 03248-18DL 5X  
 Misc :  
 ALS Vial : 38 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 DCGE3DL

Quant Time: Jul 06 08:47:57 2023  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SFAM-EPA-SIM-BN062223.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jul 05 00:03:30 2023  
 Response via : Initial Calibration

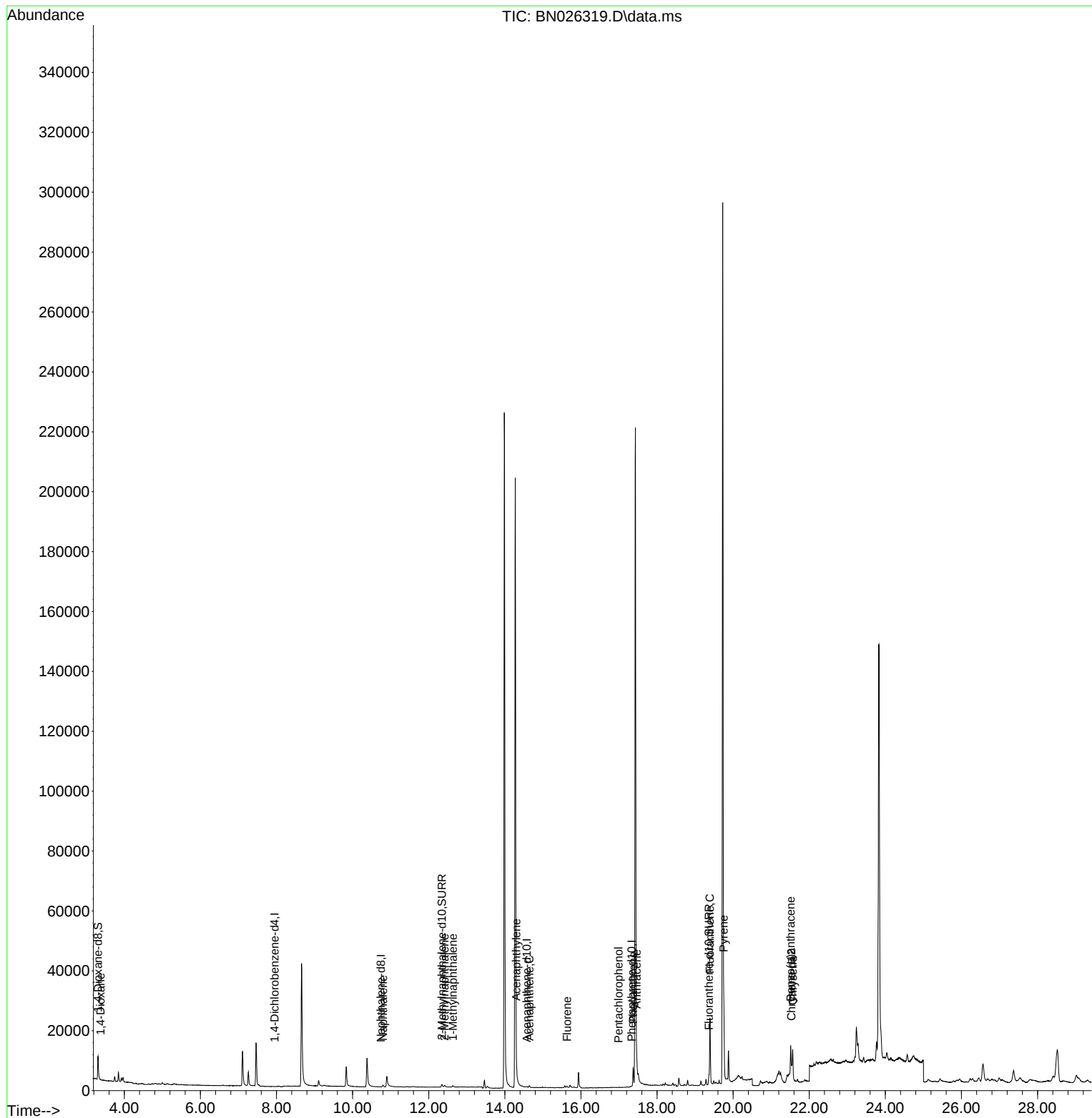
| Compound                    | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|---------|--------|----------|
| -----                       |        |      |          |         |        |          |
| Internal Standards          |        |      |          |         |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.950  | 152  | 5        | 0.400   | ng/ul  | # 0.00   |
| 4) Naphthalene-d8           | 10.747 | 136  | 38       | 0.400   | ng/ul  | #-0.01   |
| 9) Acenaphthene-d10         | 14.579 | 164  | 142      | 0.400   | ng/ul  | #-0.01   |
| 13) Phenanthrene-d10        | 17.329 | 188  | 181      | 0.400   | ng/ul  | #-0.01   |
| 17) Chrysene-d12            | 21.531 | 240  | 275      | 0.400   | ng/ul  | # 0.00   |
| 23) Perylene-d12            | 0.000  | 264  | 0        | 0.000   | ng/ul  | -24.00   |
| System Monitoring Compounds |        |      |          |         |        |          |
| 3) 1,4-Dioxane-d8           | 3.310  | 96   | 5621     | 998.254 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.347 | 152  | 1699     | 29.068  | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.362 | 212  | 3476     | 3.321   | ng/ul  | -0.01    |
| Target Compounds            |        |      |          |         |        |          |
|                             |        |      |          |         |        | Qvalue   |
| 2) 1,4-Dioxane              | 3.373  | 88   | 62       | 10.370  | ng/ul# | 31       |
| 5) Naphthalene              | 10.796 | 128  | 884      | 8.117   | ng/ul# | 66       |
| 7) 2-Methylnaphthalene      | 12.419 | 142  | 571      | 8.233   | ng/ul  | 99       |
| 8) 1-Methylnaphthalene      | 12.633 | 142  | 497      | 6.917   | ng/ul  | 98       |
| 10) Acenaphthylene          | 14.301 | 152  | 1110     | 1.669   | ng/ul# | 61       |
| 11) Acenaphthene            | 14.644 | 153  | 387      | 0.711   | ng/ul# | 81       |
| 12) Fluorene                | 15.634 | 166  | 333      | 0.534   | ng/ul# | 85       |
| 14) Pentachlorophenol       | 16.987 | 266  | 16       | 0.247   | ng/ul# | 61       |
| 15) Phenanthrene            | 17.372 | 178  | 7337     | 12.272  | ng/ul# | 94       |
| 16) Anthracene              | 17.465 | 178  | 1113     | 2.094   | ng/ul# | 61       |
| 19) Fluoranthene            | 19.390 | 202  | 20689    | 14.085  | ng/ul# | 95       |
| 20) Pyrene                  | 19.753 | 202  | 18249    | 11.945  | ng/ul  | 98       |
| 21) Benzo(a)anthracene      | 21.513 | 228  | 10344    | 9.118   | ng/ul# | 77       |
| 22) Chrysene                | 21.563 | 228  | 10815    | 9.162   | ng/ul# | 88       |
| -----                       |        |      |          |         |        |          |

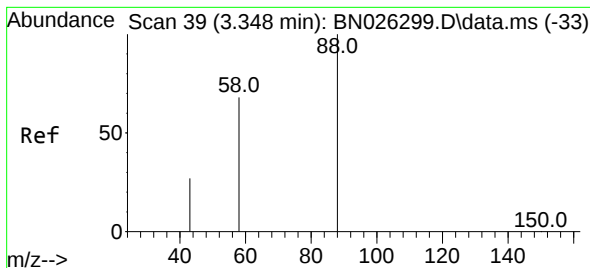
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#2

1,4-Dioxane

Concen: 10.370 ng/ul

RT: 3.373 min Scan# 41

Delta R.T. 0.021 min

Lab File: BN026319.D

Acq: 06 Jul 2023 08:14

Instrument :

BNA\_N

ClientSampleId :

DCGE3DL

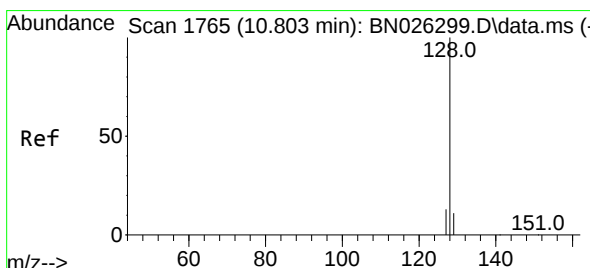
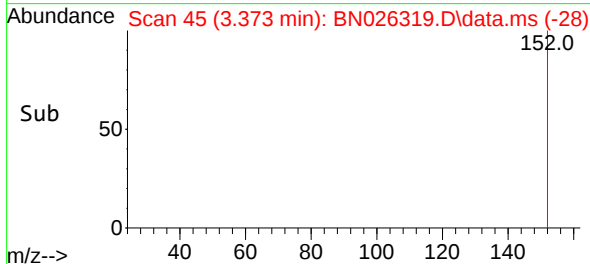
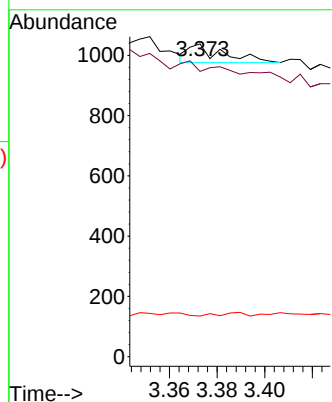
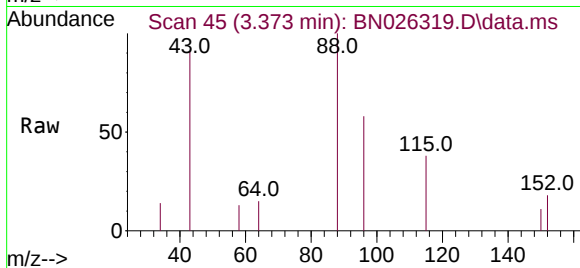
Tgt Ion: 88 Resp: 62

Ion Ratio Lower Upper

88 100

43 91.2 29.5 44.3#

58 13.0 37.4 56.2#



#5

Naphthalene

Concen: 8.117 ng/ul

RT: 10.796 min Scan# 1764

Delta R.T. -0.012 min

Lab File: BN026319.D

Acq: 06 Jul 2023 08:14

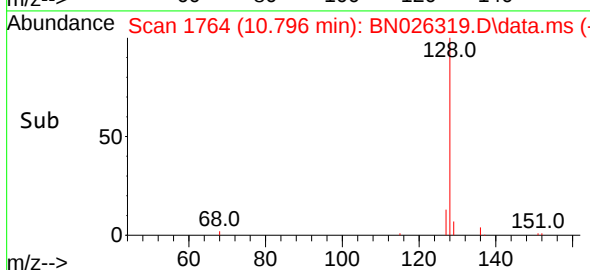
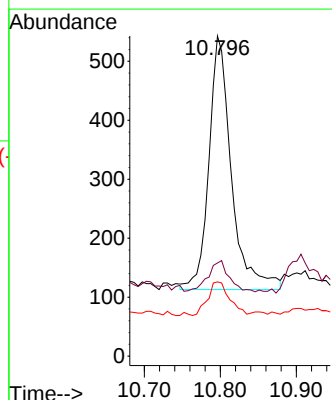
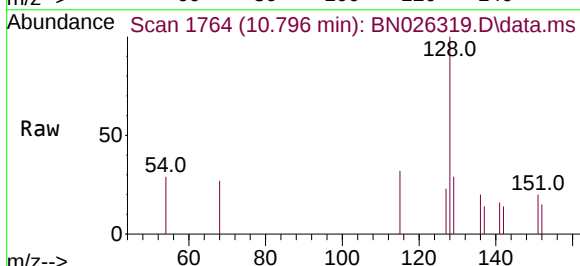
Tgt Ion: 128 Resp: 884

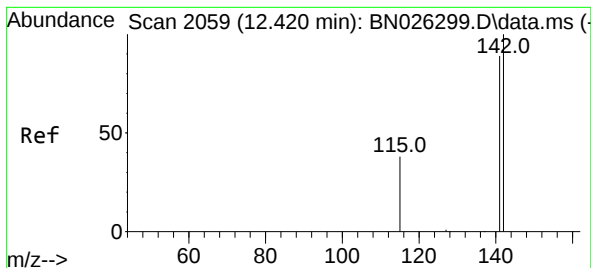
Ion Ratio Lower Upper

128 100

129 29.1 9.1 13.7#

127 23.2 10.7 16.1#

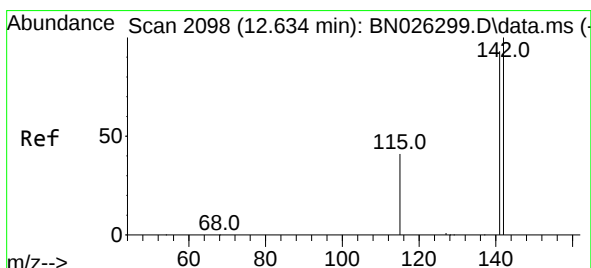
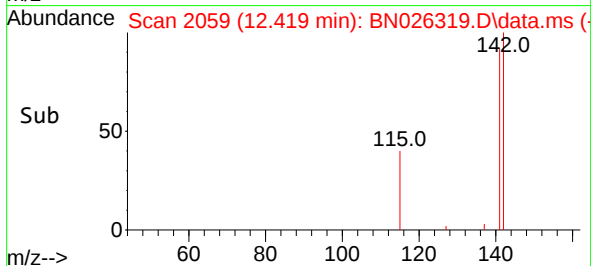
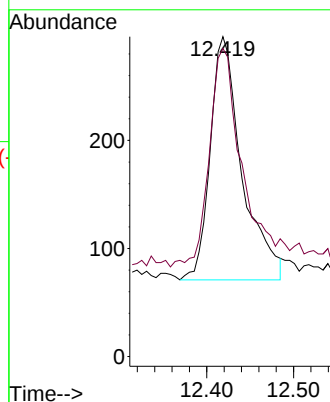
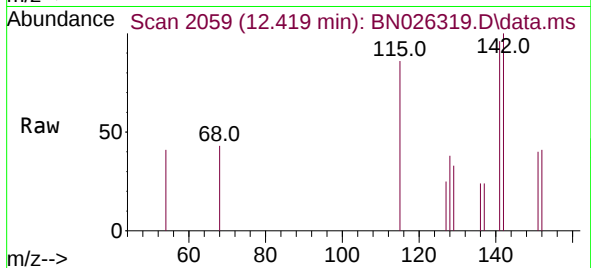




#7  
2-Methylnaphthalene  
Concen: 8.233 ng/ul  
RT: 12.419 min Scan# 2059  
Delta R.T. -0.001 min  
Lab File: BN026319.D  
Acq: 06 Jul 2023 08:14

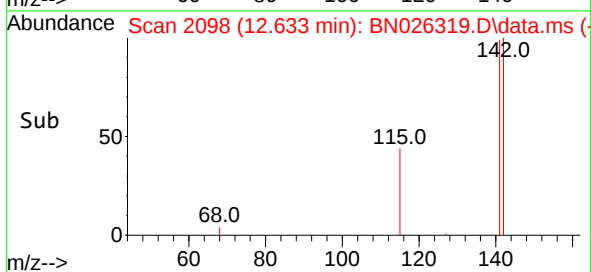
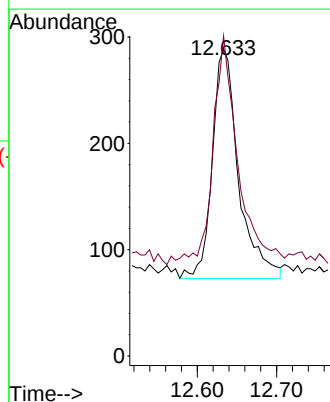
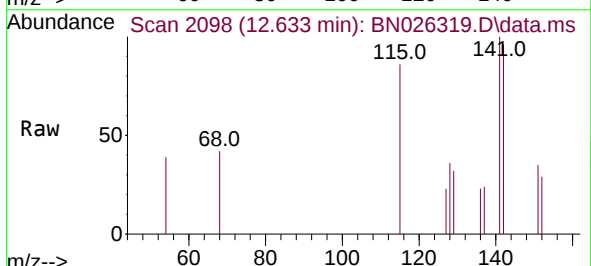
Instrument :  
BNA\_N  
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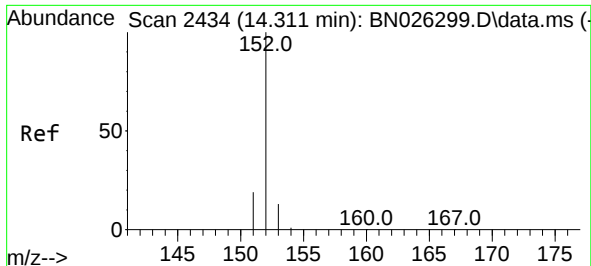
Tgt Ion:142 Resp: 571  
Ion Ratio Lower Upper  
142 100  
141 91.2 71.9 107.9



#8  
1-Methylnaphthalene  
Concen: 6.917 ng/ul  
RT: 12.633 min Scan# 2098  
Delta R.T. -0.007 min  
Lab File: BN026319.D  
Acq: 06 Jul 2023 08:14

Tgt Ion:142 Resp: 497  
Ion Ratio Lower Upper  
142 100  
141 95.2 74.2 111.4

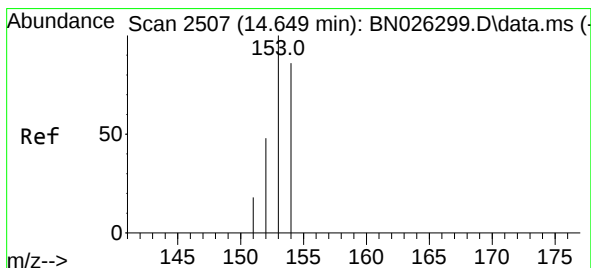
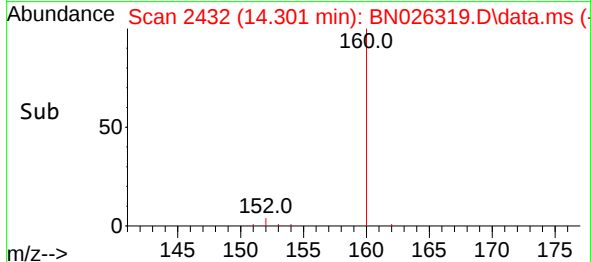
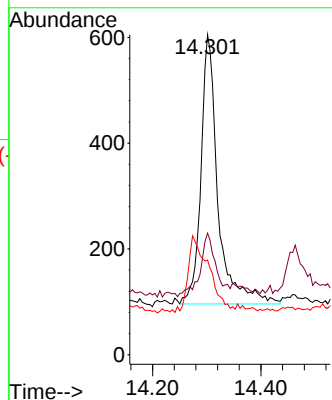
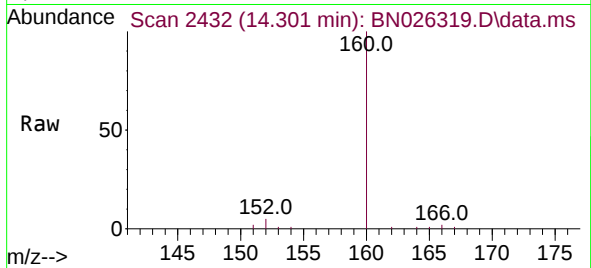




#10  
Acenaphthylene  
Concen: 1.669 ng/ul  
RT: 14.301 min Scan# 2432  
Delta R.T. -0.011 min  
Lab File: BN026319.D  
Acq: 06 Jul 2023 08:14

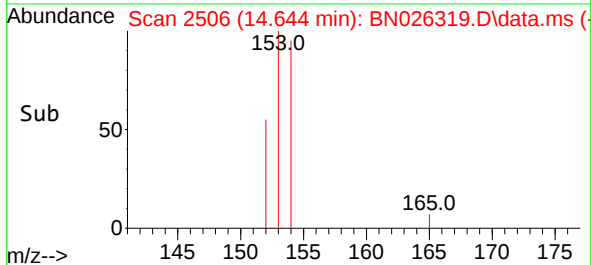
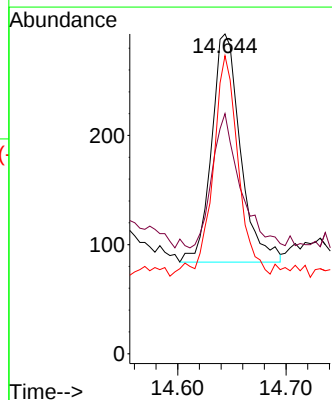
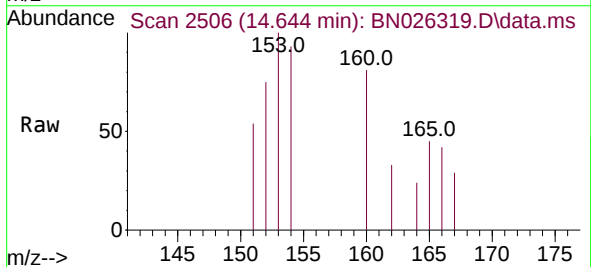
Instrument :  
BNA\_N  
ClientSampleId :  
DCGE3DL

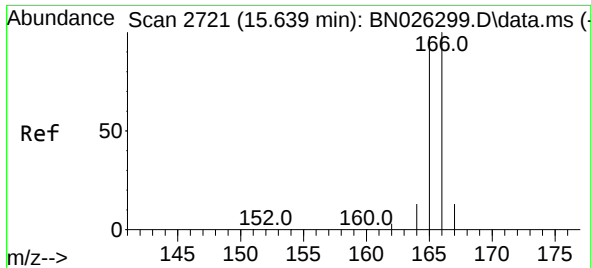
Tgt Ion:152 Resp: 1110  
Ion Ratio Lower Upper  
152 100  
151 38.0 16.2 24.4#  
153 29.6 10.9 16.3#



#11  
Acenaphthene  
Concen: 0.711 ng/ul  
RT: 14.644 min Scan# 2506  
Delta R.T. -0.011 min  
Lab File: BN026319.D  
Acq: 06 Jul 2023 08:14

Tgt Ion:153 Resp: 387  
Ion Ratio Lower Upper  
153 100  
152 75.1 39.4 59.0#  
154 93.2 68.9 103.3

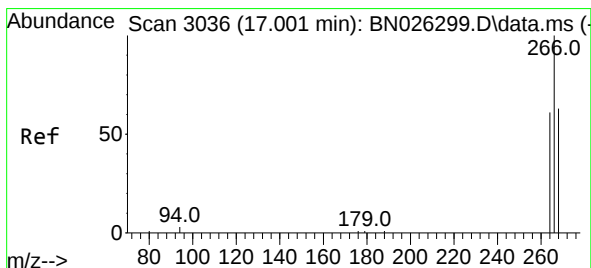
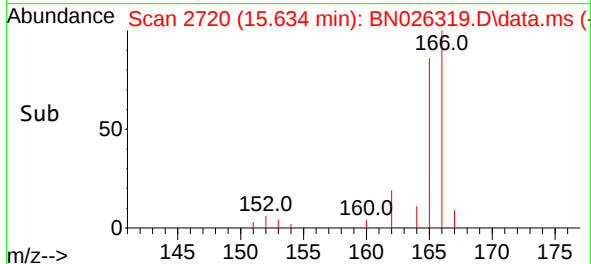
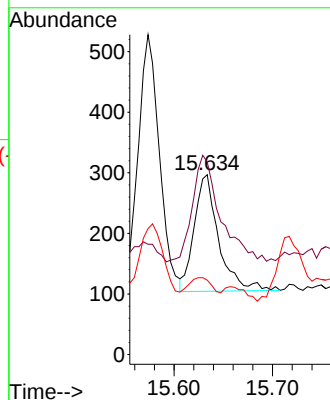
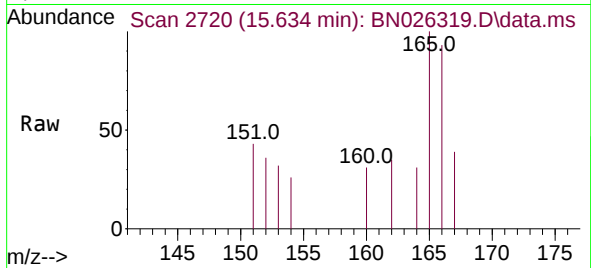




#12  
Fluorene  
Concen: 0.534 ng/ul  
RT: 15.634 min Scan# 21  
Delta R.T. -0.011 min  
Lab File: BN026319.D  
Acq: 06 Jul 2023 08:14

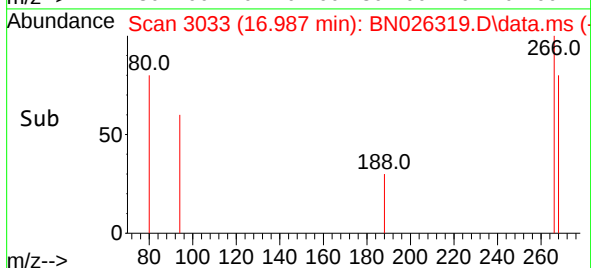
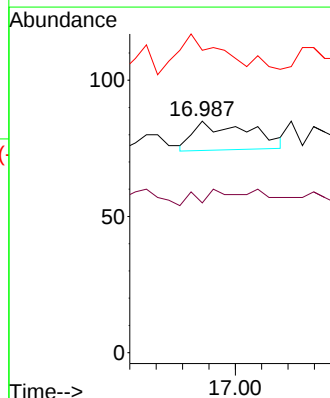
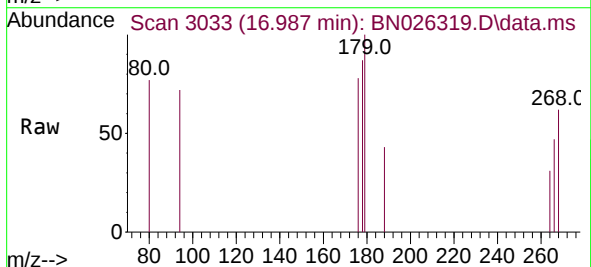
Instrument :  
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DCGE3DL

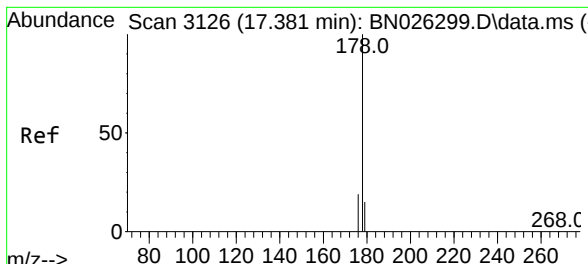
Tgt Ion:166 Resp: 333  
Ion Ratio Lower Upper  
166 100  
165 107.1 79.9 119.9  
167 41.4 10.8 16.2#



#14  
Pentachlorophenol  
Concen: 0.247 ng/ul  
RT: 16.987 min Scan# 3033  
Delta R.T. -0.018 min  
Lab File: BN026319.D  
Acq: 06 Jul 2023 08:14

Tgt Ion:266 Resp: 16  
Ion Ratio Lower Upper  
266 100  
264 62.5 50.5 75.7  
268 125.0 51.6 77.4#

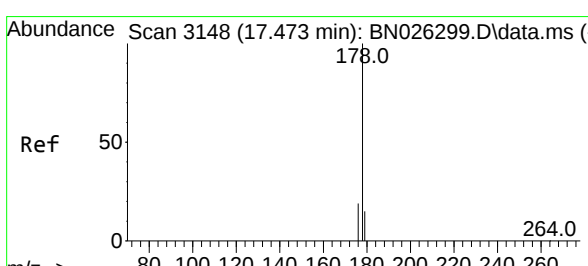
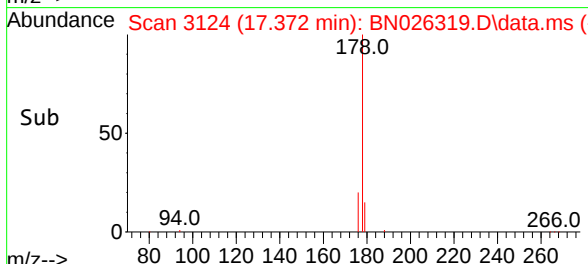
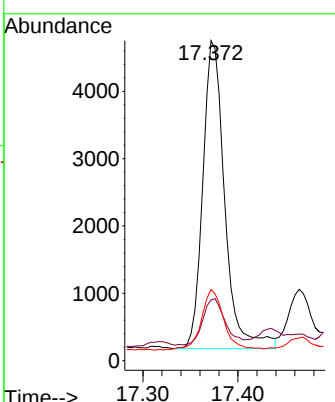
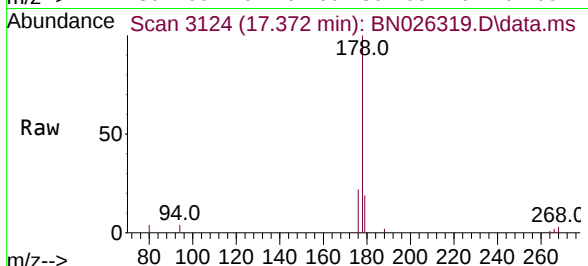




#15  
 Phenanthrene  
 Concen: 12.272 ng/ul  
 RT: 17.372 min Scan# 3124  
 Delta R.T. -0.014 min  
 Lab File: BN026319.D  
 Acq: 06 Jul 2023 08:14

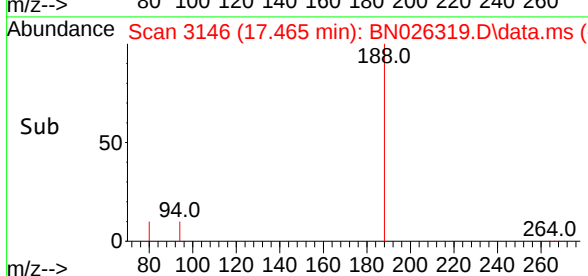
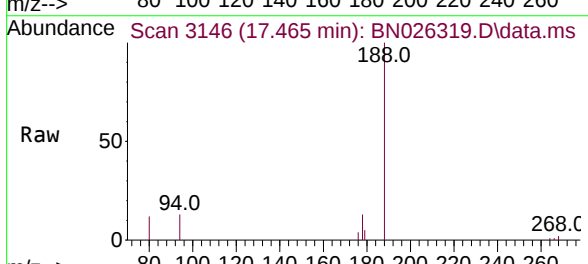
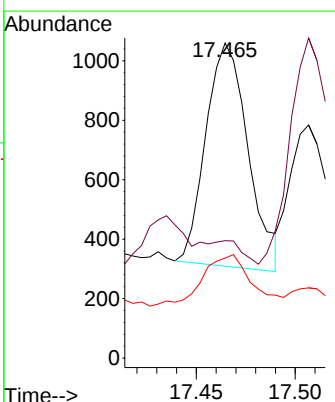
Instrument : BNA\_N  
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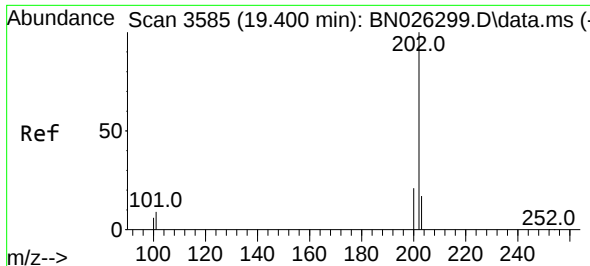
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|-----------|-------|-------|-------|
| Tgt Ion:  | 178   | Resp: | 7337  |
| Ion Ratio | Lower | Upper |       |
| 178       | 100   |       |       |
| 179       | 19.0  | 12.6  | 19.0# |
| 176       | 22.3  | 15.8  | 23.6  |



#16  
 Anthracene  
 Concen: 2.094 ng/ul  
 RT: 17.465 min Scan# 3146  
 Delta R.T. -0.014 min  
 Lab File: BN026319.D  
 Acq: 06 Jul 2023 08:14

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 178   | Resp: | 1113  |
| Ion Ratio | Lower | Upper |       |
| 178       | 100   |       |       |
| 179       | 37.3  | 12.6  | 18.8# |
| 176       | 31.7  | 15.1  | 22.7# |

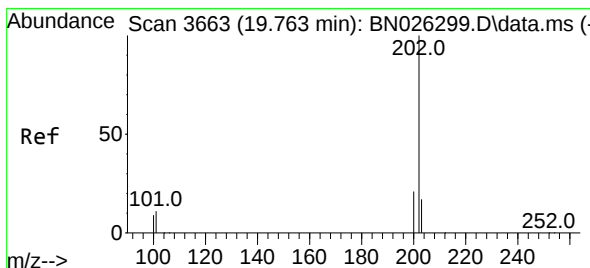
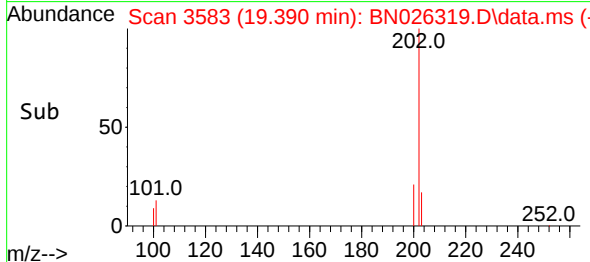
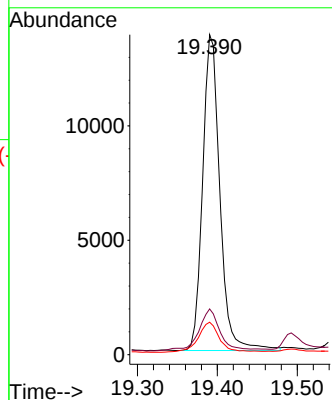
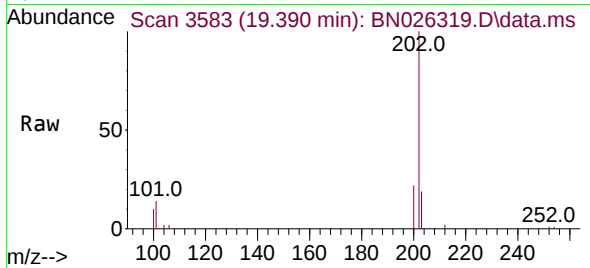




#19  
Fluoranthene  
Concen: 14.085 ng/ul  
RT: 19.390 min Scan# 3583  
Delta R.T. -0.011 min  
Lab File: BN026319.D  
Acq: 06 Jul 2023 08:14

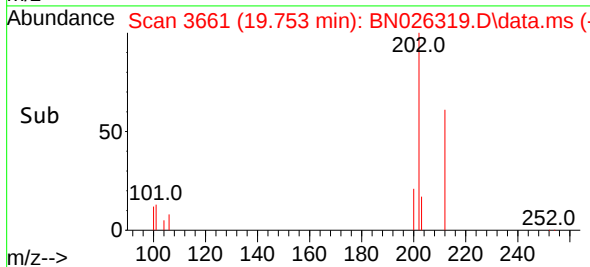
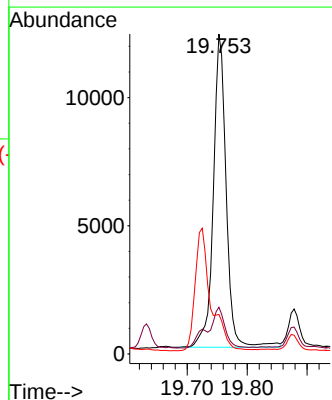
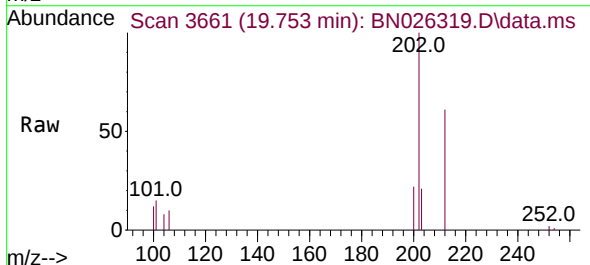
Instrument :  
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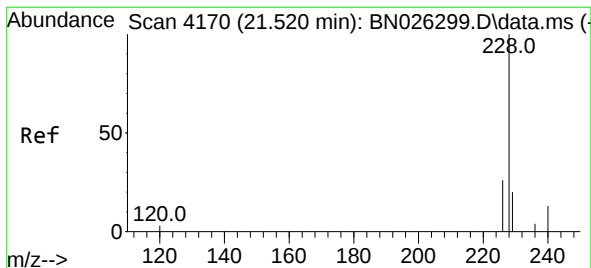
Tgt Ion:202 Resp: 20689  
Ion Ratio Lower Upper  
202 100  
101 14.3 9.5 14.3#  
100 10.1 7.3 10.9



#20  
Pyrene  
Concen: 11.945 ng/ul  
RT: 19.753 min Scan# 3661  
Delta R.T. -0.011 min  
Lab File: BN026319.D  
Acq: 06 Jul 2023 08:14

Tgt Ion:202 Resp: 18249  
Ion Ratio Lower Upper  
202 100  
101 14.6 11.4 17.0  
100 12.4 9.1 13.7





#21

Benzo(a)anthracene

Concen: 9.118 ng/ul

RT: 21.513 min Scan# 4168

Delta R.T. -0.002 min

Lab File: BN026319.D

Acq: 06 Jul 2023 08:14

Instrument :

BNA\_N

ClientSampleId :

DCGE3DL

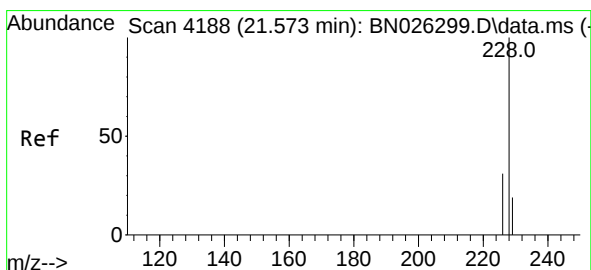
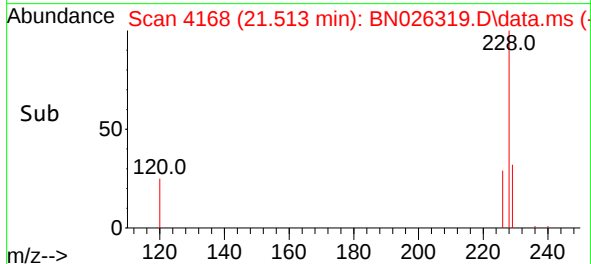
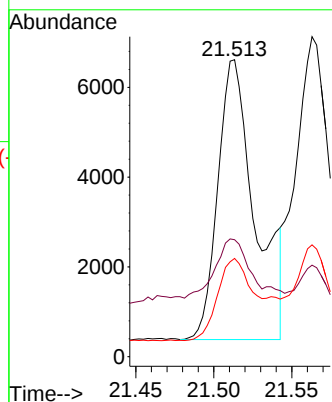
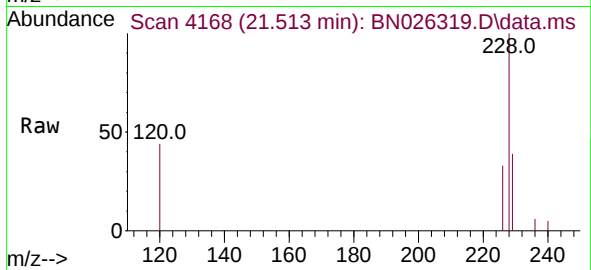
Tgt Ion:228 Resp: 10344

Ion Ratio Lower Upper

228 100

229 39.4 15.8 23.6#

226 33.1 22.5 33.7



#22

Chrysene

Concen: 9.162 ng/ul

RT: 21.563 min Scan# 4185

Delta R.T. -0.008 min

Lab File: BN026319.D

Acq: 06 Jul 2023 08:14

Tgt Ion:228 Resp: 10815

Ion Ratio Lower Upper

228 100

226 34.9 24.8 37.2

229 28.6 15.7 23.5#

