

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN032223\  
 Data File : BN024479.D  
 Acq On : 22 Mar 2023 12:42  
 Operator : CG/JU  
 Sample : 01810-02DL 5X  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 DCAF9DL

Manual Integrations  
 APPROVED

Reviewed By : Christian Giraldo 03/23/2023  
 Supervised By : Jagrut Upadhyay 03/23/2023

Quant Time: Mar 22 14:06:50 2023  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SFAM-EPA-SIM-BN030923.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Mar 21 17:57:40 2023  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|---------|--------|----------|
| -----                       |        |      |          |         |        |          |
| Internal Standards          |        |      |          |         |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 8.030  | 152  | 10001    | 0.400   | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.845 | 136  | 29849    | 0.400   | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.666 | 164  | 16886    | 0.400   | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.409 | 188  | 34647    | 0.400   | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.595 | 240  | 23536    | 0.400   | ng/ul  | 0.00     |
| 23) Perylene-d12            | 24.091 | 264  | 17477    | 0.400   | ng/ul  | # 0.01   |
|                             |        |      |          |         |        |          |
| System Monitoring Compounds |        |      |          |         |        |          |
| 3) 1,4-Dioxane-d8           | 3.397  | 96   | 10508    | 0.955   | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.423 | 152  | 2533     | 0.071   | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.432 | 212  | 6502     | 0.104   | ng/ul  | 0.00     |
|                             |        |      |          |         |        |          |
| Target Compounds            |        |      |          |         |        |          |
|                             |        |      |          |         |        | Qvalue   |
| 5) Naphthalene              | 10.900 | 128  | 8943020  | 120.032 | ng/ul  | 99       |
| 7) 2-Methylnaphthalene      | 12.500 | 142  | 465825   | 10.306  | ng/ul  | 100      |
| 8) 1-Methylnaphthalene      | 12.715 | 142  | 789362   | 16.617  | ng/ul  | 99       |
| 10) Acenaphthylene          | 14.384 | 152  | 64948    | 0.922   | ng/ul  | 97       |
| 11) Acenaphthene            | 14.726 | 153  | 1423997  | 26.235  | ng/ul  | 97       |
| 12) Fluorene                | 15.711 | 166  | 774402   | 12.776  | ng/ul  | 100      |
| 14) Pentachlorophenol       | 17.054 | 266  | 13293    | 1.381   | ng/ul# | 73       |
| 15) Phenanthrene            | 17.451 | 178  | 656326   | 6.614   | ng/ul  | 99       |
| 16) Anthracene              | 17.540 | 178  | 51097    | 0.587   | ng/ul  | 100      |
| 19) Fluoranthene            | 19.464 | 202  | 56301    | 0.601   | ng/ul  | 98       |
| 20) Pyrene                  | 19.822 | 202  | 23599m   | 0.248   | ng/ul  |          |
| -----                       |        |      |          |         |        |          |

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

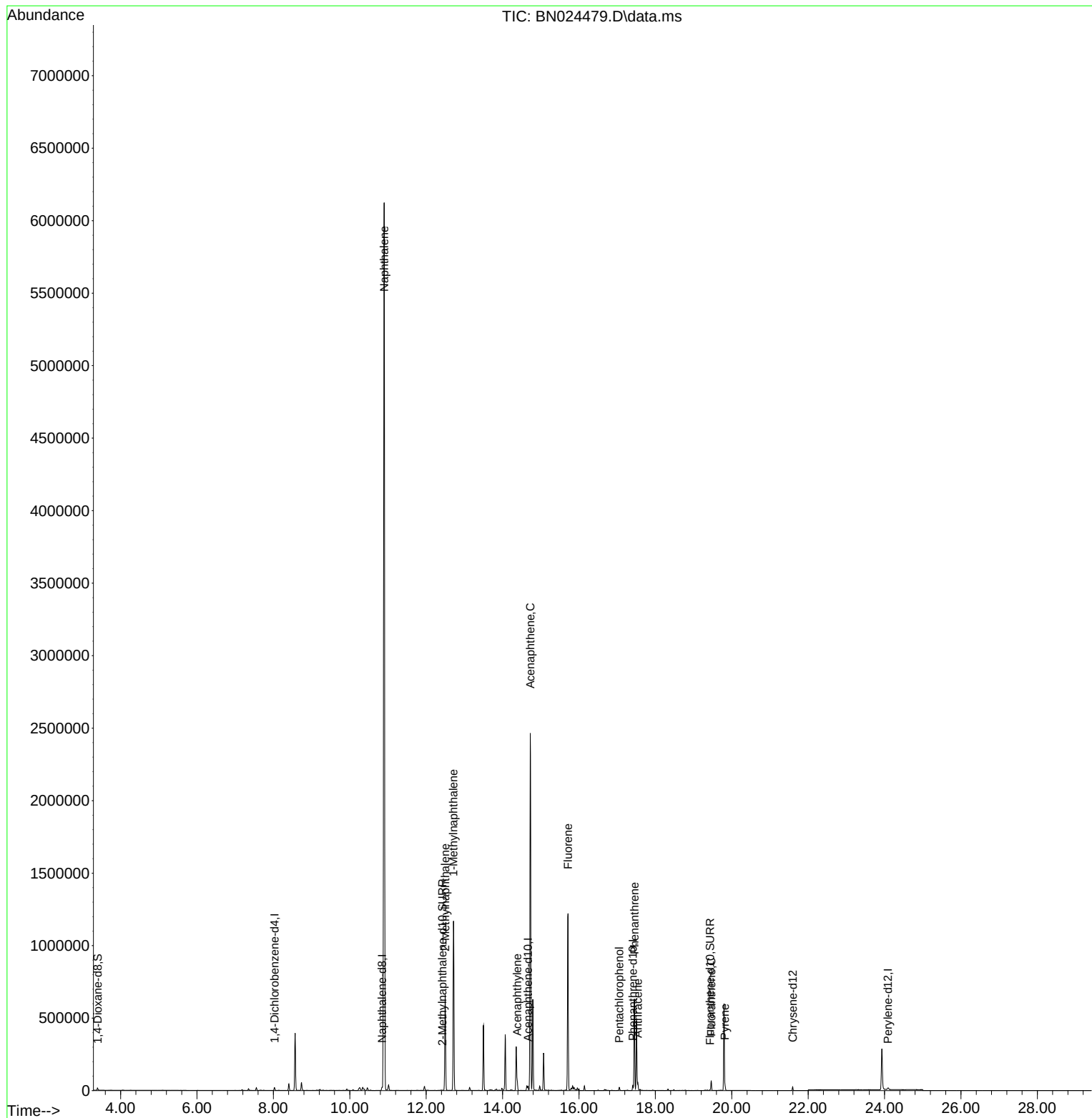
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN032223\  
Data File : BN024479.D  
Acq On : 22 Mar 2023 12:42  
Operator : CG/JU  
Sample : 01810-02DL 5X  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

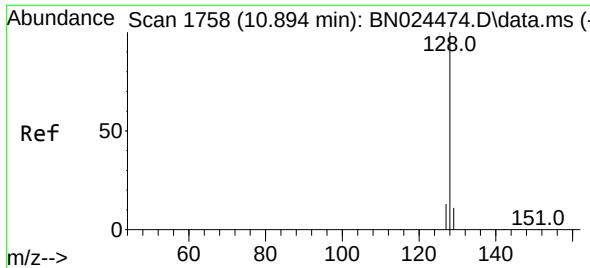
Instrument :  
BNA\_N  
ClientSampleId :  
DCAF9DL

Manual Integrations  
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Supervised By :Jagrut Upadhyay 03/23/2023

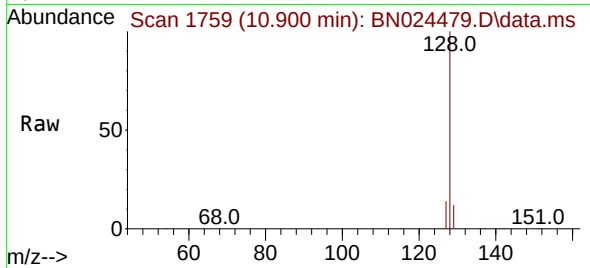
Quant Time: Mar 22 14:06:50 2023  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SFAM-EPA-SIM-BN030923.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Mar 21 17:57:40 2023  
Response via : Initial Calibration





#5  
Naphthalene  
Concen: 120.032 ng/ul  
RT: 10.900 min Scan# 1759  
Delta R.T. 0.000 min  
Lab File: BN024479.D  
Acq: 22 Mar 2023 12:42

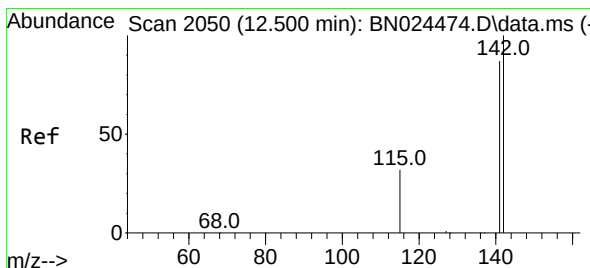
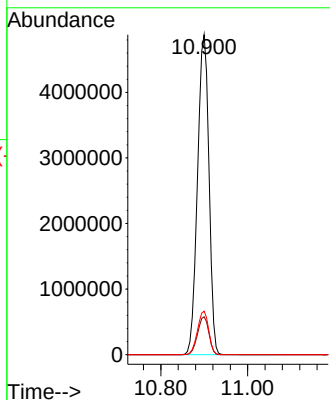
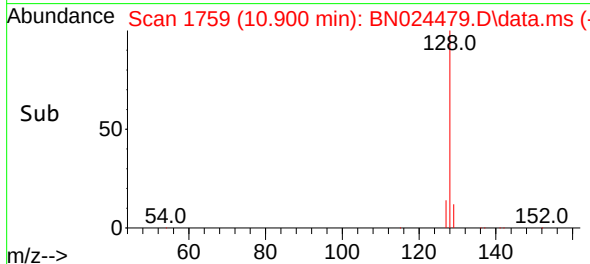
Instrument :  
BNA\_N  
ClientSampleId :  
DCAF9DL



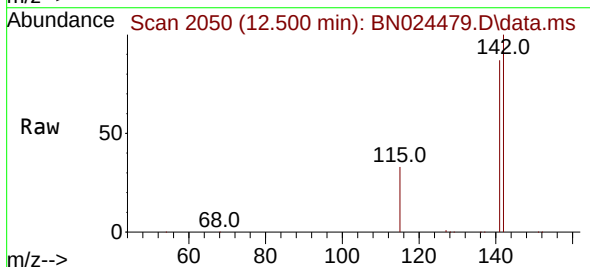
Tgt Ion:128 Resp: 8943020  
Ion Ratio Lower Upper  
128 100  
129 11.9 9.0 13.6  
127 13.6 10.5 15.7

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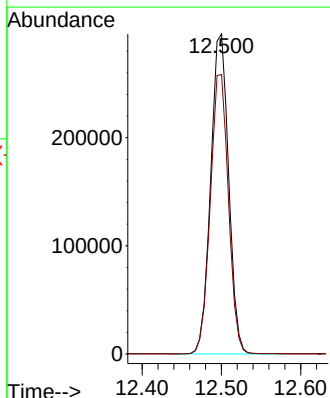
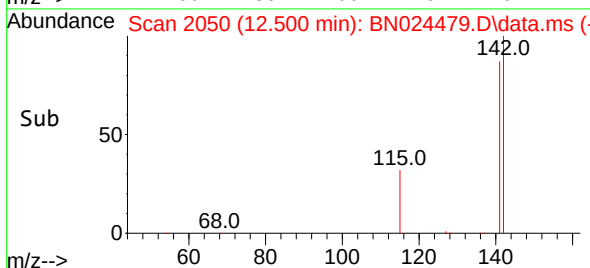
Reviewed By :Christian Giraldo 03/23/2023  
Supervised By :Jagrut Upadhyay 03/23/2023

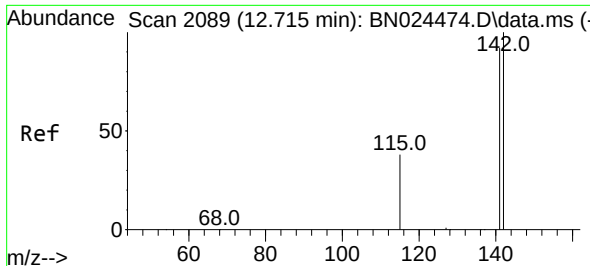


#7  
2-Methylnaphthalene  
Concen: 10.306 ng/ul  
RT: 12.500 min Scan# 2050  
Delta R.T. 0.000 min  
Lab File: BN024479.D  
Acq: 22 Mar 2023 12:42



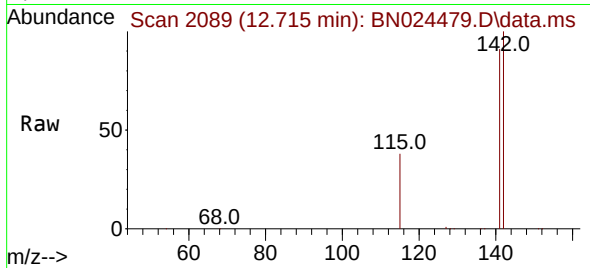
Tgt Ion:142 Resp: 465825  
Ion Ratio Lower Upper  
142 100  
141 88.0 70.3 105.5





#8  
1-Methylnaphthalene  
Concen: 16.617 ng/ul  
RT: 12.715 min Scan# 2089  
Delta R.T. -0.005 min  
Lab File: BN024479.D  
Acq: 22 Mar 2023 12:42

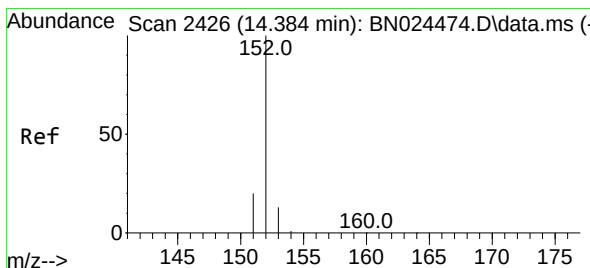
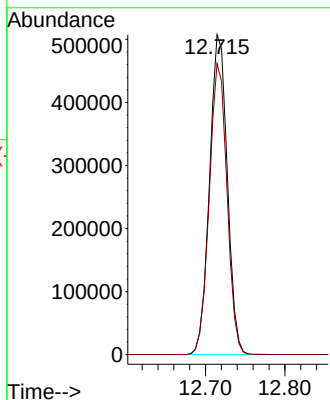
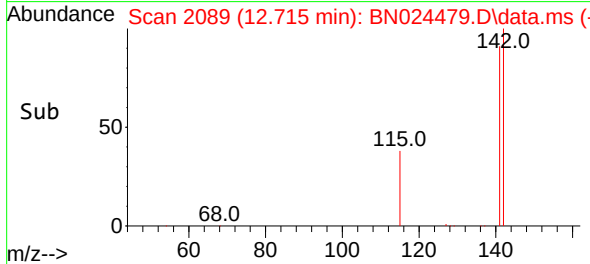
Instrument :  
BNA\_N  
ClientSampleId :  
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Tgt Ion:142 Resp: 78936  
Ion Ratio Lower Upper  
142 100  
141 90.8 73.0 109.6

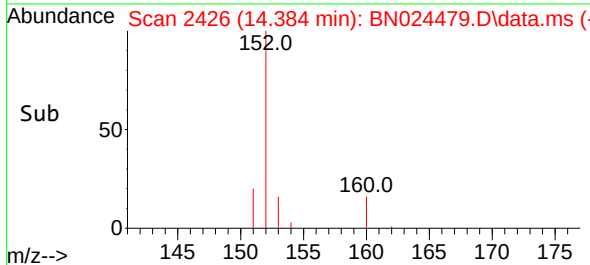
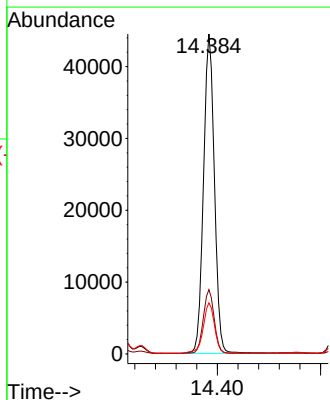
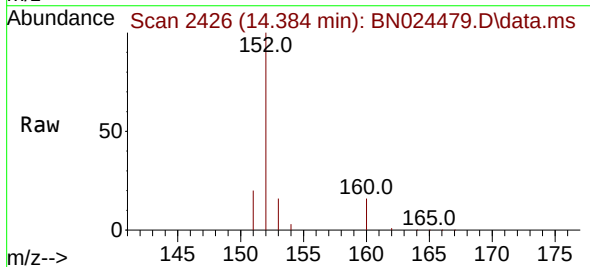
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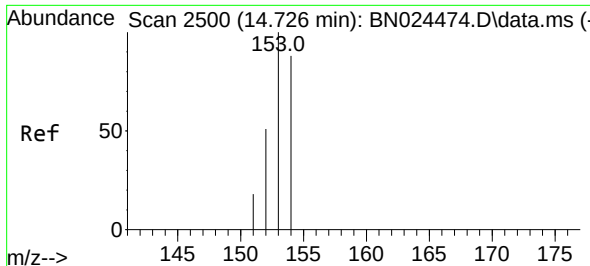
Reviewed By :Christian Giraldo 03/23/2023  
Supervised By :Jagrut Upadhyay 03/23/2023



#10  
Acenaphthylene  
Concen: 0.922 ng/ul  
RT: 14.384 min Scan# 2426  
Delta R.T. -0.005 min  
Lab File: BN024479.D  
Acq: 22 Mar 2023 12:42

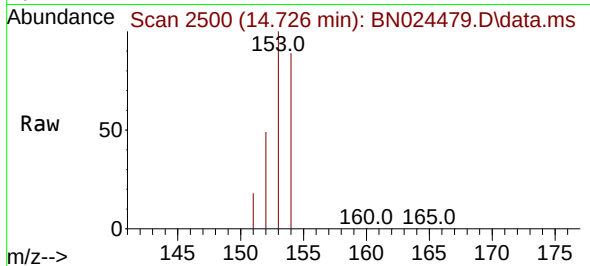
Tgt Ion:152 Resp: 64948  
Ion Ratio Lower Upper  
152 100  
151 20.1 15.9 23.9  
153 16.0 10.6 16.0





#11  
Acenaphthene  
Concen: 26.235 ng/ul  
RT: 14.726 min Scan# 21  
Delta R.T. -0.005 min  
Lab File: BN024479.D  
Acq: 22 Mar 2023 12:42

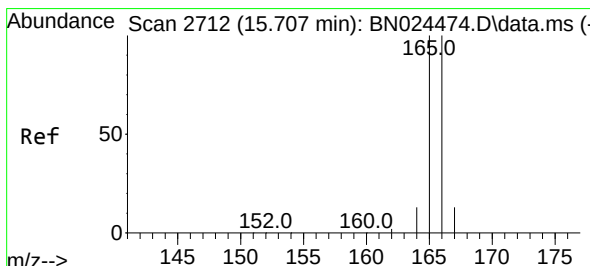
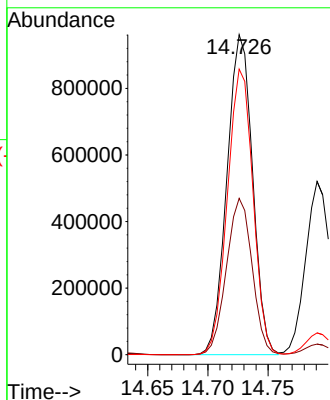
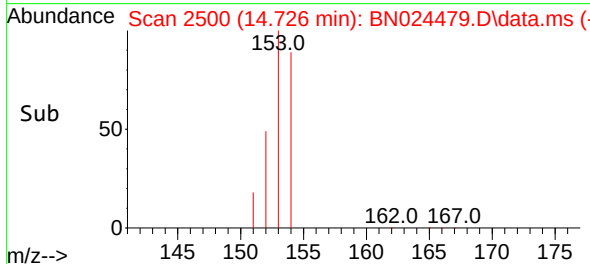
Instrument :  
BNA\_N  
ClientSampleId :  
DCAF9DL



Tgt Ion:153 Resp: 142399  
Ion Ratio Lower Upper  
153 100  
152 48.8 42.6 64.0  
154 89.2 70.6 105.8

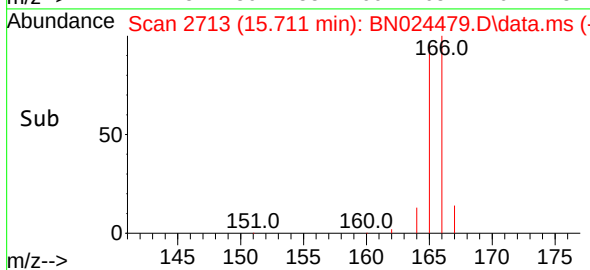
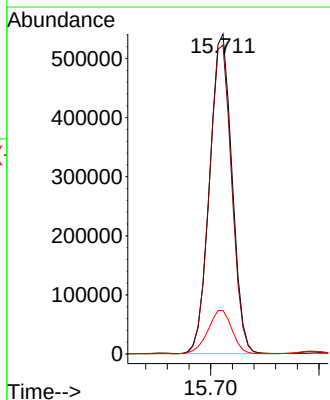
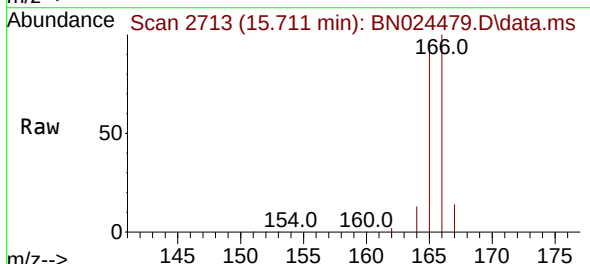
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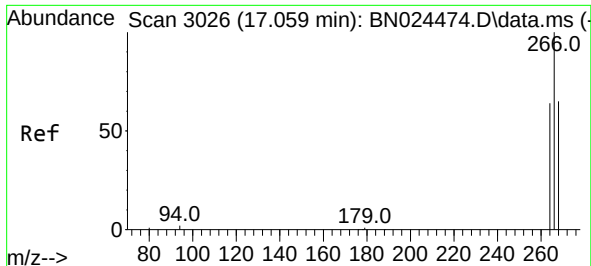
Reviewed By :Christian Giraldo 03/23/2023  
Supervised By :Jagrut Upadhyay 03/23/2023



#12  
Fluorene  
Concen: 12.776 ng/ul  
RT: 15.711 min Scan# 2713  
Delta R.T. 0.000 min  
Lab File: BN024479.D  
Acq: 22 Mar 2023 12:42

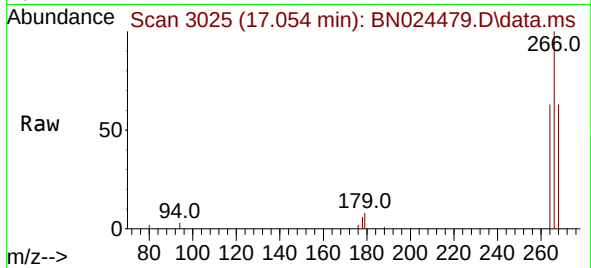
Tgt Ion:166 Resp: 774402  
Ion Ratio Lower Upper  
166 100  
165 96.5 77.4 116.0  
167 13.6 10.9 16.3





#14  
Pentachlorophenol  
Concen: 1.381 ng/ul  
RT: 17.054 min Scan# 3026  
Delta R.T. -0.004 min  
Lab File: BN024479.D  
Acq: 22 Mar 2023 12:42

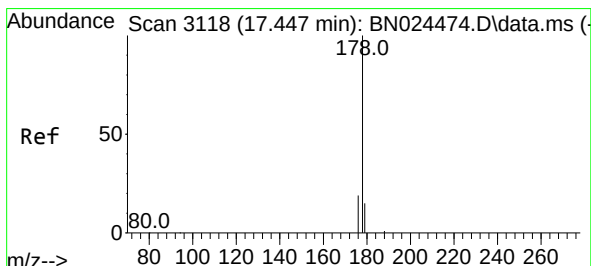
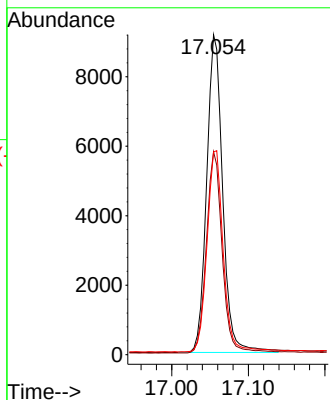
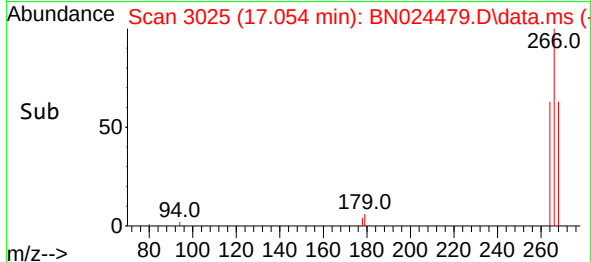
Instrument :  
BNA\_N  
ClientSampleId :  
DCAF9DL



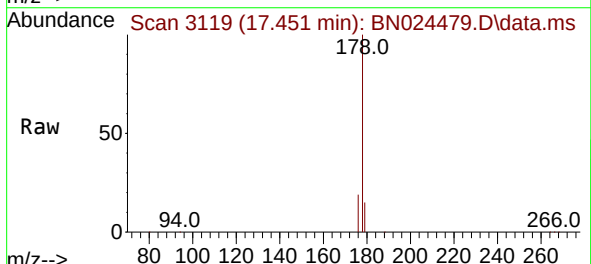
Tgt Ion:266 Resp: 1329  
Ion Ratio Lower Upper  
266 100  
264 62.7 0.0 0.0  
268 64.3 0.1 0.1

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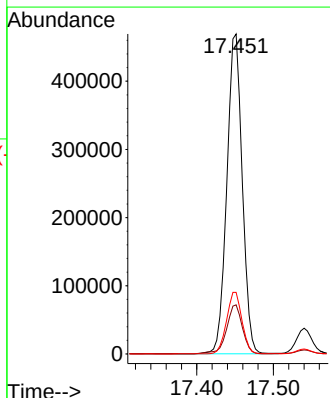
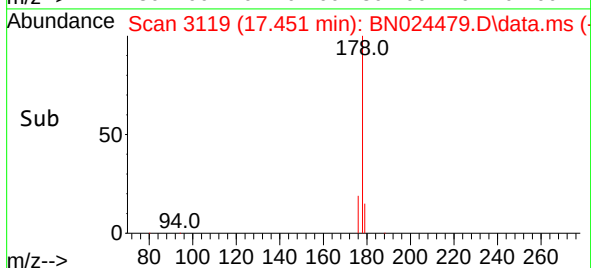
Reviewed By :Christian Giraldo 03/23/2023  
Supervised By :Jagrut Upadhyay 03/23/2023

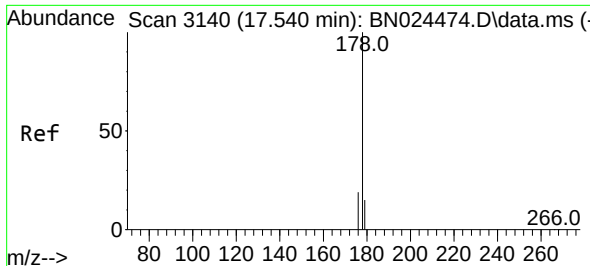


#15  
Phenanthrene  
Concen: 6.614 ng/ul  
RT: 17.451 min Scan# 3119  
Delta R.T. 0.000 min  
Lab File: BN024479.D  
Acq: 22 Mar 2023 12:42



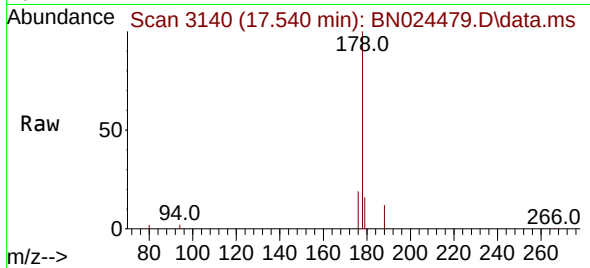
Tgt Ion:178 Resp: 656326  
Ion Ratio Lower Upper  
178 100  
179 15.3 12.2 18.2  
176 19.3 15.7 23.5





#16  
 Anthracene  
 Concen: 0.587 ng/ul  
 RT: 17.540 min Scan# 3140  
 Delta R.T. -0.004 min  
 Lab File: BN024479.D  
 Acq: 22 Mar 2023 12:42

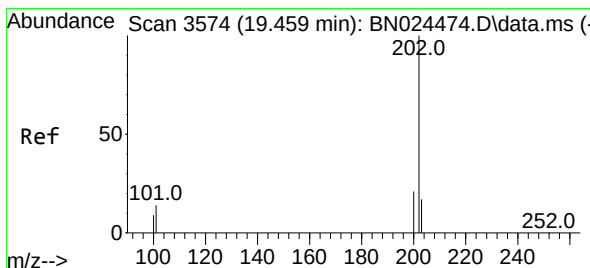
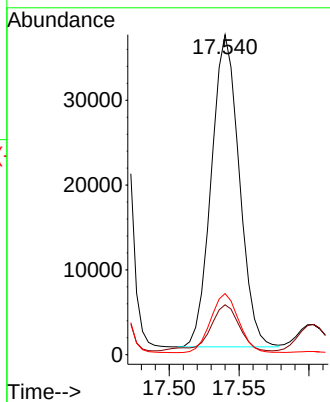
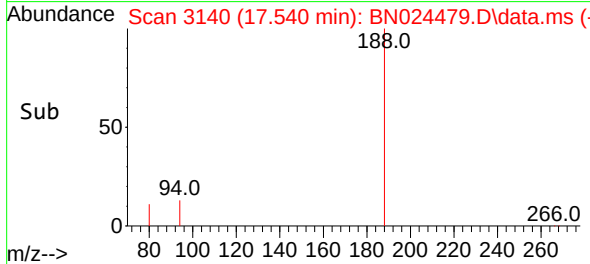
Instrument :  
 BNA\_N  
 ClientSampleId :  
 DCAF9DL



Tgt Ion:178 Resp: 51097  
 Ion Ratio Lower Upper  
 178 100  
 179 15.6 12.3 18.5  
 176 19.1 15.3 22.9

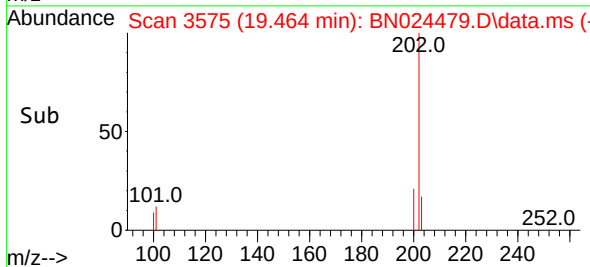
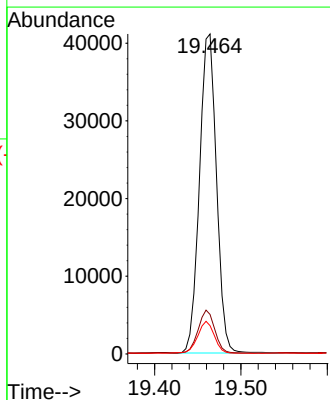
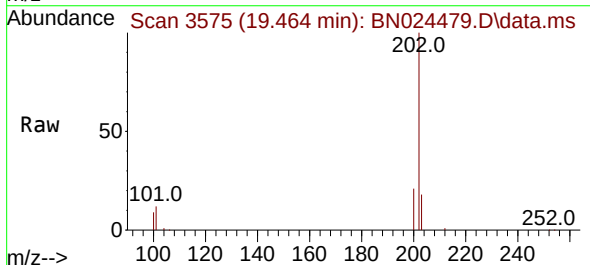
Manual Integrations  
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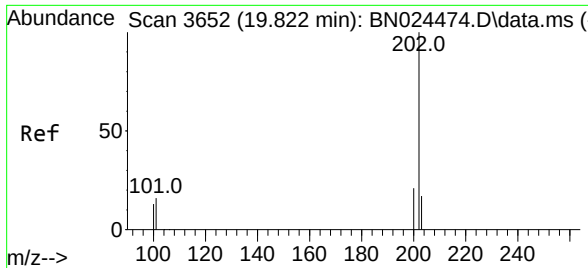
Reviewed By :Christian Giraldo 03/23/2023  
 Supervised By :Jagrut Upadhyay 03/23/2023



#19  
 Fluoranthene  
 Concen: 0.601 ng/ul  
 RT: 19.464 min Scan# 3575  
 Delta R.T. 0.000 min  
 Lab File: BN024479.D  
 Acq: 22 Mar 2023 12:42

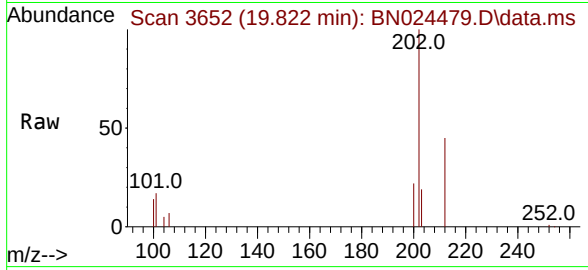
Tgt Ion:202 Resp: 56301  
 Ion Ratio Lower Upper  
 202 100  
 101 12.4 10.4 15.6  
 100 8.8 7.7 11.5





#20  
 Pyrene  
 Concen: 0.248 ng/ul m  
 RT: 19.822 min Scan# 30  
 Delta R.T. -0.005 min  
 Lab File: BN024479.D  
 Acq: 22 Mar 2023 12:42

Instrument :  
 BNA\_N  
 ClientSampleId :  
 DCAF9DL



|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 202   | Resp: | 2359 |
| Ion Ratio | Lower | Upper |      |
| 202       | 100   |       |      |
| 101       | 16.8  | 12.1  | 18.1 |
| 100       | 13.6  | 9.4   | 14.0 |

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