

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN112223\  
 Data File : BN028846.D  
 Acq On : 22 Nov 2023 19:19  
 Operator : MA/JU  
 Sample : 05268-17DL 5X  
 Misc :  
 ALS Vial : 34 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 DCKE3DL

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 11/23/2023  
 Supervised By :mohammad ahmed 11/25/2023

Quant Time: Nov 22 21:37:45 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-SIM-BN110923.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Nov 21 23:49:43 2023  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|--------|--------|----------|
| -----                       |        |      |          |        |        |          |
| Internal Standards          |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.711  | 152  | 6015     | 0.400  | ng/ul  | -0.03    |
| 4) Naphthalene-d8           | 10.435 | 136  | 23760    | 0.400  | ng/ul  | -0.03    |
| 9) Acenaphthene-d10         | 14.294 | 164  | 12908    | 0.400  | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.048 | 188  | 23828    | 0.400  | ng/ul  | -0.01    |
| 17) Chrysene-d12            | 21.273 | 240  | 15512    | 0.400  | ng/ul  | 0.00     |
| 23) Perylene-d12            | 23.547 | 264  | 14473    | 0.400  | ng/ul  | # 0.00   |
|                             |        |      |          |        |        |          |
| System Monitoring Compounds |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8           | 3.116  | 96   | 8556m    | 1.287  | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.057 | 152  | 2020     | 0.056  | ng/ul  | -0.02    |
| 18) Fluoranthene-d10        | 19.090 | 212  | 4970     | 0.100  | ng/ul  | 0.00     |
|                             |        |      |          |        |        |          |
| Target Compounds            |        |      |          |        |        |          |
|                             |        |      |          |        | Qvalue |          |
| 5) Naphthalene              | 10.473 | 128  | 2208250  | 33.164 | ng/ul  | 99       |
| 7) 2-Methylnaphthalene      | 12.107 | 142  | 94489    | 2.154  | ng/ul  | 99       |
| 8) 1-Methylnaphthalene      | 12.321 | 142  | 127271   | 2.857  | ng/ul  | 100      |
| 10) Acenaphthylene          | 14.011 | 152  | 33705    | 0.523  | ng/ul  | 98       |
| 11) Acenaphthene            | 14.354 | 153  | 271894   | 5.735  | ng/ul  | 99       |
| 12) Fluorene                | 15.348 | 166  | 80471    | 1.459  | ng/ul  | 99       |
| 14) Pentachlorophenol       | 16.698 | 266  | 33311    | 5.825  | ng/ul  | 99       |
| 15) Phenanthrene            | 17.086 | 178  | 172931   | 2.362  | ng/ul  | 100      |
| 16) Anthracene              | 17.183 | 178  | 20642    | 0.307  | ng/ul  | 96       |
| 19) Fluoranthene            | 19.123 | 202  | 12129    | 0.184  | ng/ul  | 97       |
| 20) Pyrene                  | 19.481 | 202  | 5570m    | 0.081  | ng/ul  |          |
| -----                       |        |      |          |        |        |          |

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

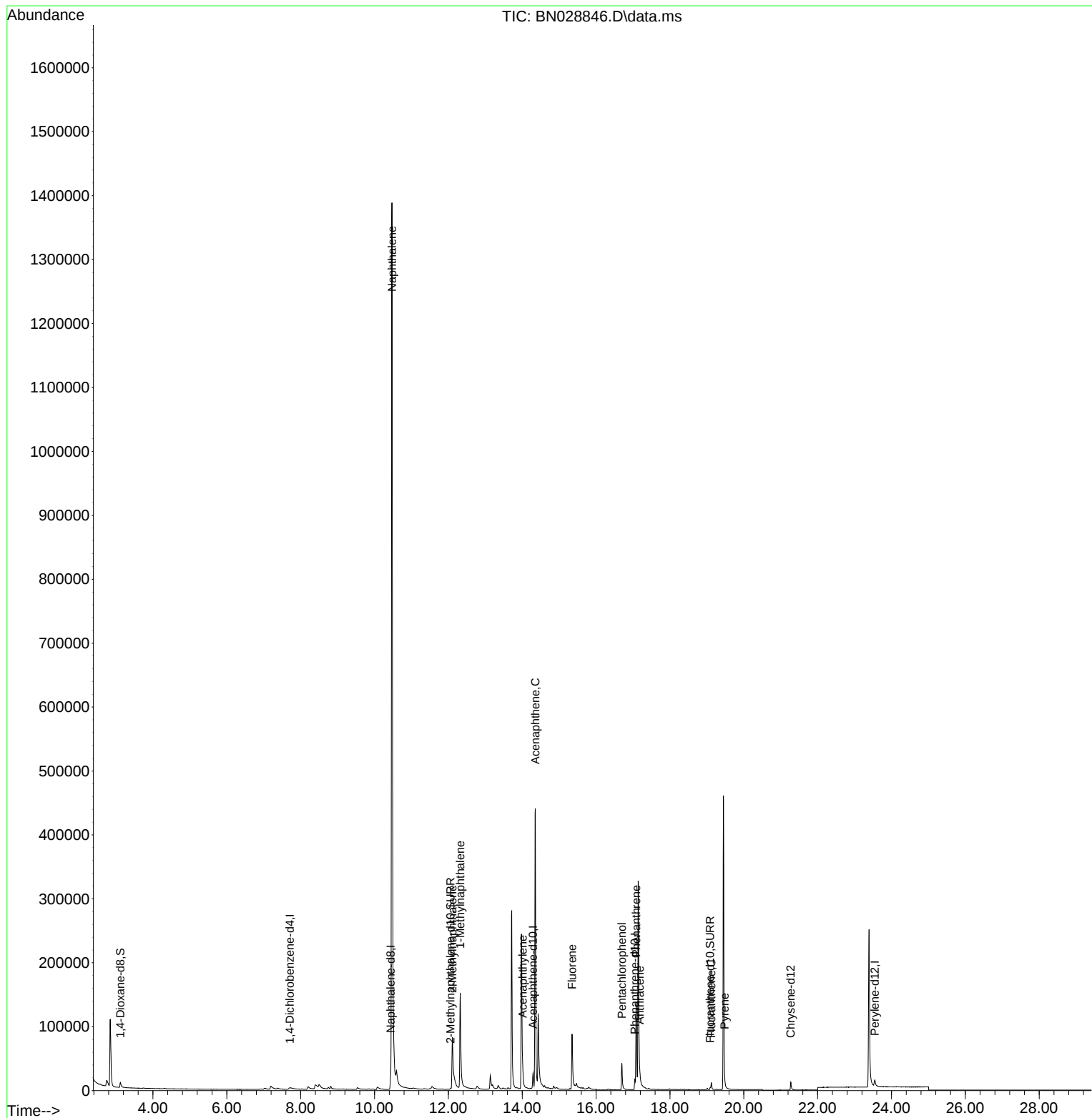
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN112223\  
Data File : BN028846.D  
Acq On : 22 Nov 2023 19:19  
Operator : MA/JU  
Sample : 05268-17DL 5X  
Misc :  
ALS Vial : 34 Sample Multiplier: 1

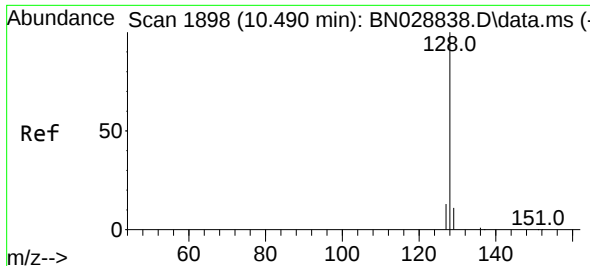
Instrument :  
BNA\_N  
ClientSampleId :  
DCKE3DL

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 11/23/2023  
Supervised By :mohammad ahmed 11/25/2023

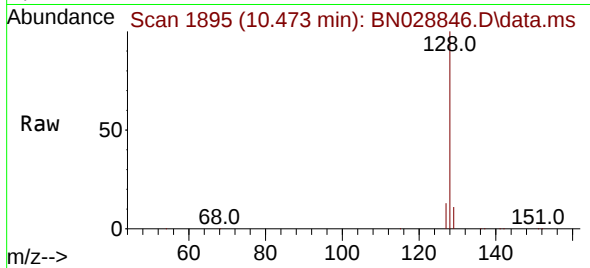
Quant Time: Nov 22 21:37:45 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-SIM-BN110923.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Nov 21 23:49:43 2023  
Response via : Initial Calibration





#5  
Naphthalene  
Concen: 33.164 ng/ul  
RT: 10.473 min Scan# 1895  
Delta R.T. -0.033 min  
Lab File: BN028846.D  
Acq: 22 Nov 2023 19:19

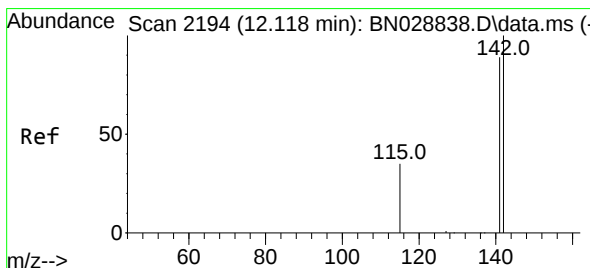
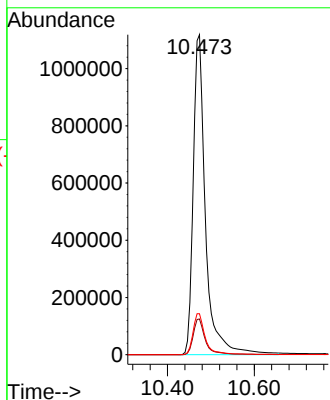
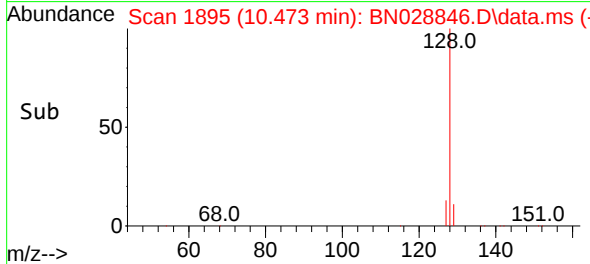
Instrument :  
BNA\_N  
ClientSampleId :  
DCKE3DL



Tgt Ion:128 Resp: 2208250  
Ion Ratio Lower Upper  
128 100  
129 11.1 9.2 13.8  
127 12.8 10.7 16.1

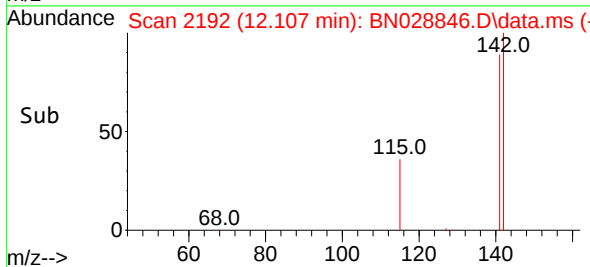
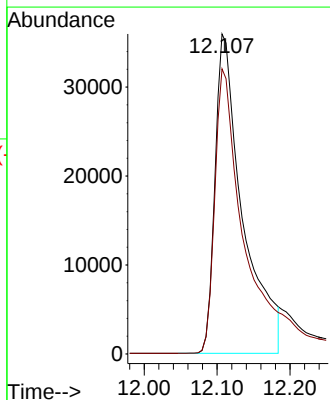
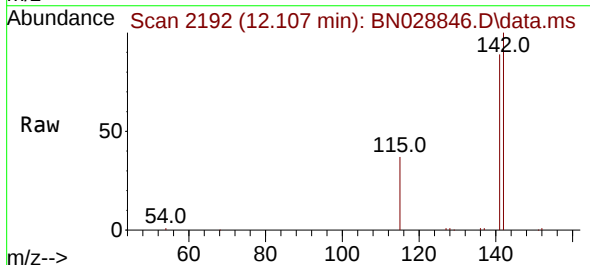
Manual Integrations  
APPROVED

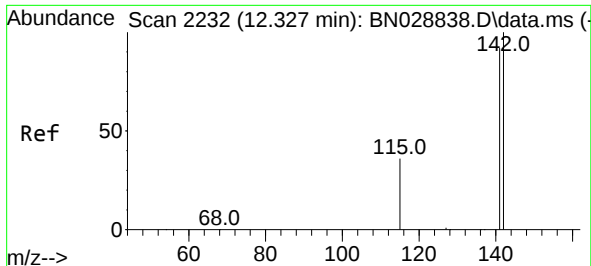
Reviewed By :Yogesh Patel 11/23/2023  
Supervised By :mohammad ahmed 11/25/2023



#7  
2-Methylnaphthalene  
Concen: 2.154 ng/ul  
RT: 12.107 min Scan# 2192  
Delta R.T. -0.033 min  
Lab File: BN028846.D  
Acq: 22 Nov 2023 19:19

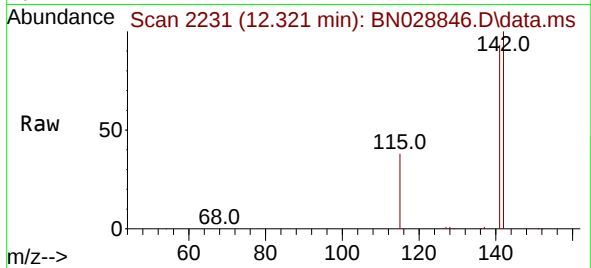
Tgt Ion:142 Resp: 94489  
Ion Ratio Lower Upper  
142 100  
141 89.0 70.8 106.2





#8  
1-Methylnaphthalene  
Concen: 2.857 ng/ul  
RT: 12.321 min Scan# 211  
Delta R.T. -0.016 min  
Lab File: BN028846.D  
Acq: 22 Nov 2023 19:19

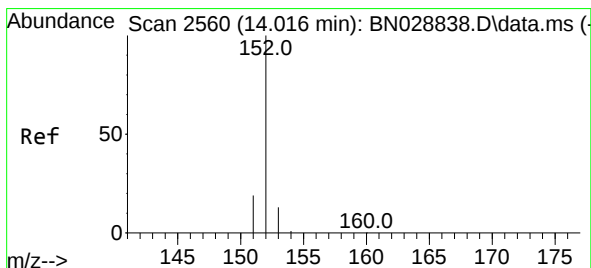
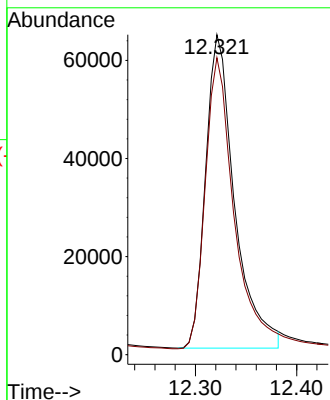
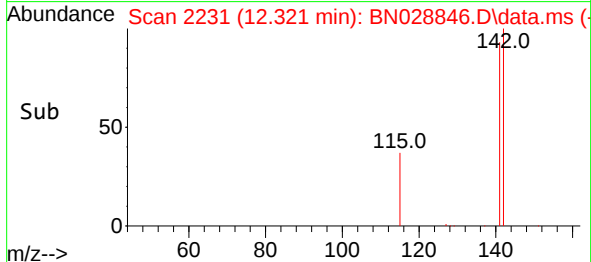
Instrument :  
BNA\_N  
ClientSampleId :  
DCKE3DL



Tgt Ion:142 Resp: 12727  
Ion Ratio Lower Upper  
142 100  
141 92.2 74.1 111.1

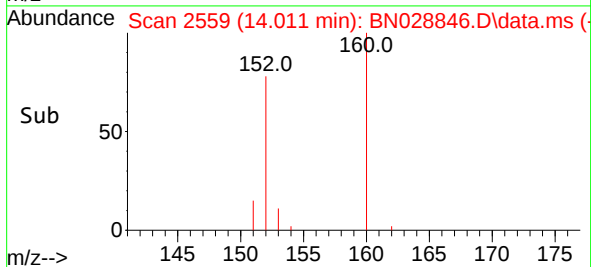
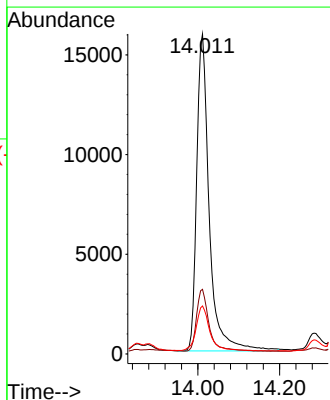
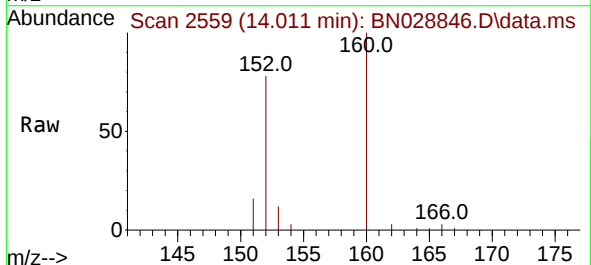
Manual Integrations  
APPROVED

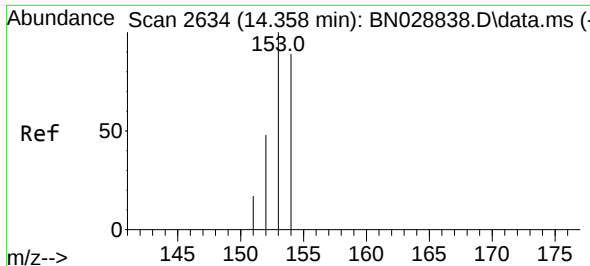
Reviewed By :Yogesh Patel 11/23/2023  
Supervised By :mohammad ahmed 11/25/2023



#10  
Acenaphthylene  
Concen: 0.523 ng/ul  
RT: 14.011 min Scan# 2559  
Delta R.T. -0.014 min  
Lab File: BN028846.D  
Acq: 22 Nov 2023 19:19

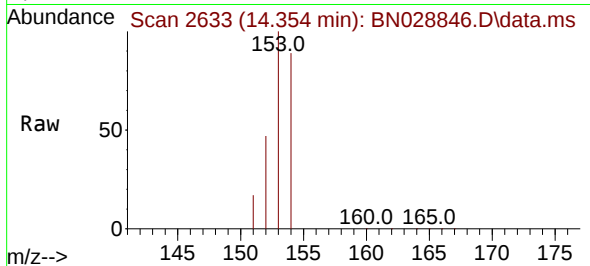
Tgt Ion:152 Resp: 33705  
Ion Ratio Lower Upper  
152 100  
151 20.2 16.1 24.1  
153 15.0 10.6 15.8





#11  
Acenaphthene  
Concen: 5.735 ng/ul  
RT: 14.354 min Scan# 2634  
Delta R.T. -0.009 min  
Lab File: BN028846.D  
Acq: 22 Nov 2023 19:19

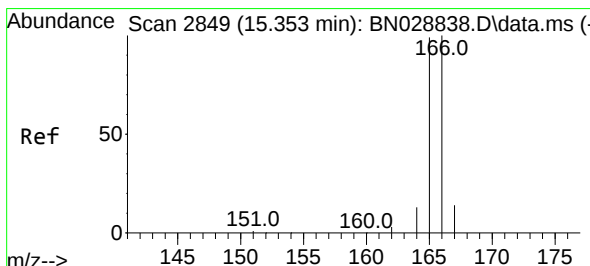
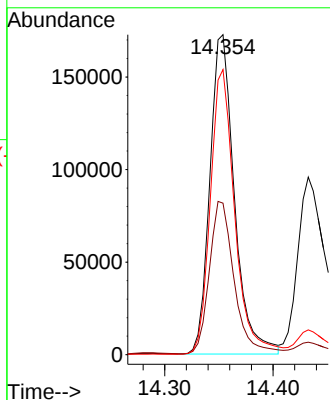
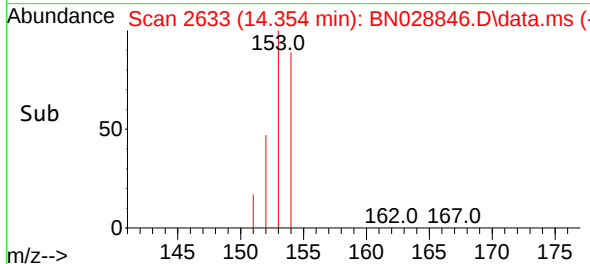
Instrument :  
BNA\_N  
ClientSampleId :  
DCKE3DL



Tgt Ion:153 Resp: 271894  
Ion Ratio Lower Upper  
153 100  
152 47.3 39.6 59.4  
154 89.1 71.0 106.6

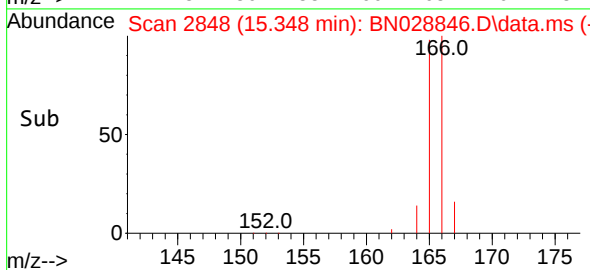
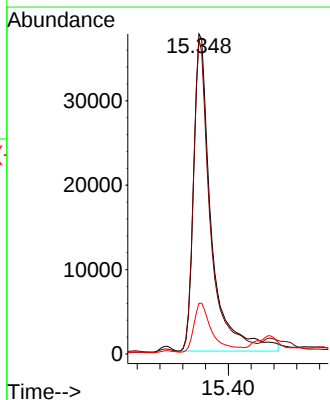
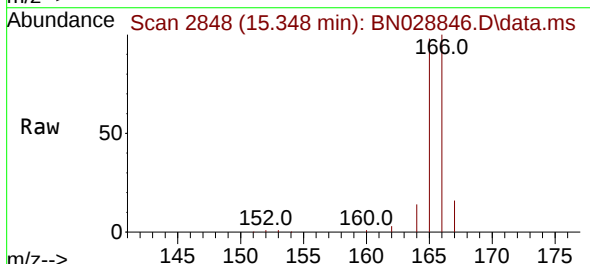
Manual Integrations  
APPROVED

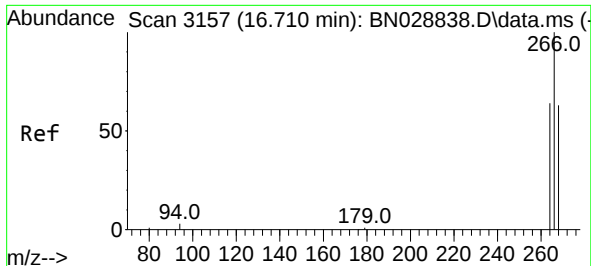
Reviewed By :Yogesh Patel 11/23/2023  
Supervised By :mohammad ahmed 11/25/2023



#12  
Fluorene  
Concen: 1.459 ng/ul  
RT: 15.348 min Scan# 2848  
Delta R.T. -0.018 min  
Lab File: BN028846.D  
Acq: 22 Nov 2023 19:19

Tgt Ion:166 Resp: 80471  
Ion Ratio Lower Upper  
166 100  
165 98.3 78.6 118.0  
167 15.9 11.0 16.6





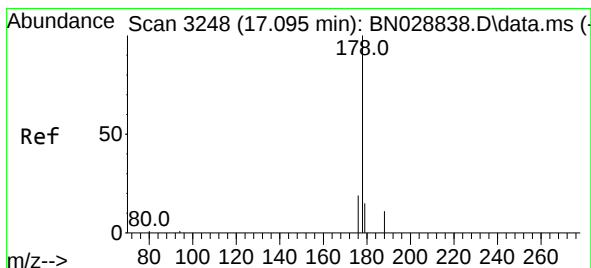
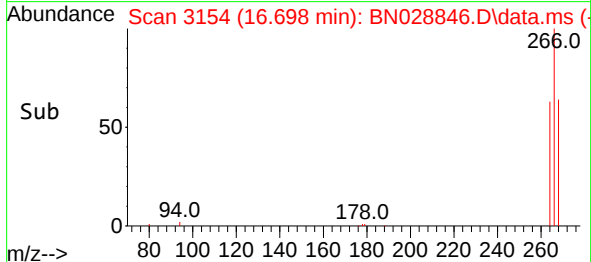
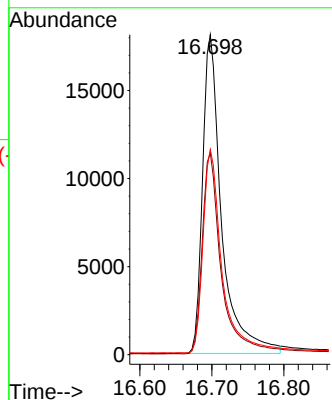
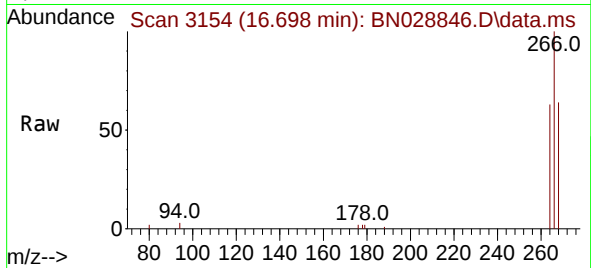
#14  
Pentachlorophenol  
Concen: 5.825 ng/ul  
RT: 16.698 min Scan# 3157  
Delta R.T. -0.025 min  
Lab File: BN028846.D  
Acq: 22 Nov 2023 19:19

Instrument :  
BNA\_N  
ClientSampleId :  
DCKE3DL

Tgt Ion:266 Resp: 3331  
Ion Ratio Lower Upper  
266 100  
264 62.9 50.1 75.1  
268 63.8 50.6 75.8

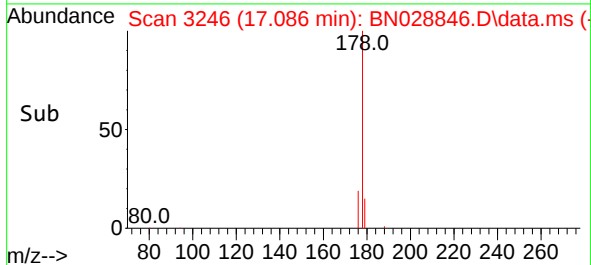
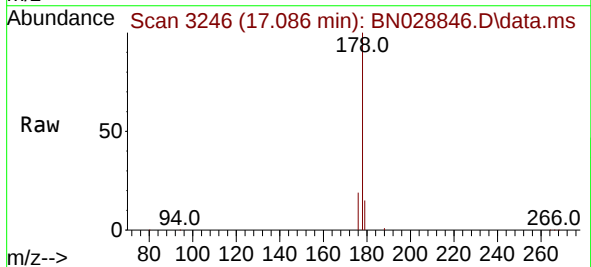
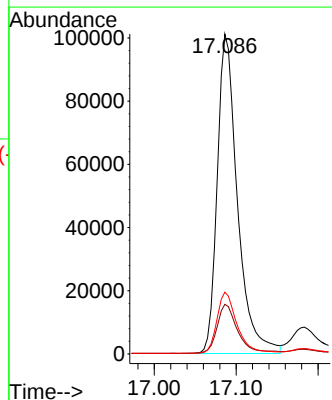
Manual Integrations  
APPROVED

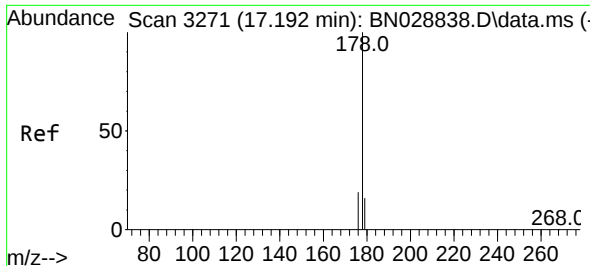
Reviewed By :Yogesh Patel 11/23/2023  
Supervised By :mohammad ahmed 11/25/2023



#15  
Phenanthrene  
Concen: 2.362 ng/ul  
RT: 17.086 min Scan# 3246  
Delta R.T. -0.017 min  
Lab File: BN028846.D  
Acq: 22 Nov 2023 19:19

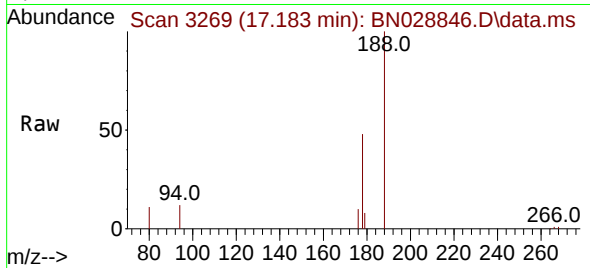
Tgt Ion:178 Resp: 172931  
Ion Ratio Lower Upper  
178 100  
179 15.5 12.4 18.6  
176 19.3 15.4 23.2





#16  
 Anthracene  
 Concen: 0.307 ng/ul  
 RT: 17.183 min Scan# 3178  
 Delta R.T. -0.021 min  
 Lab File: BN028846.D  
 Acq: 22 Nov 2023 19:19

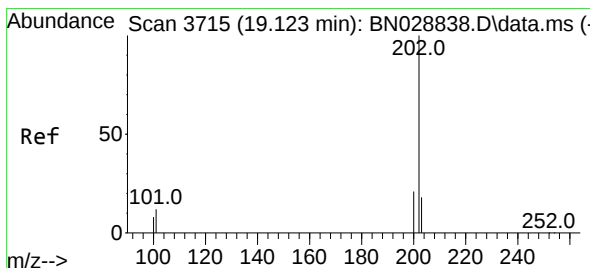
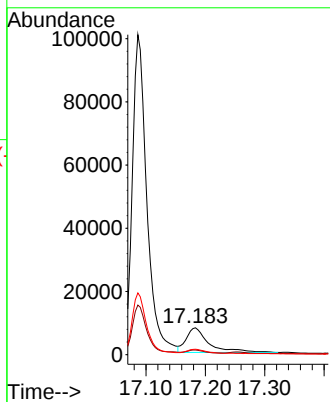
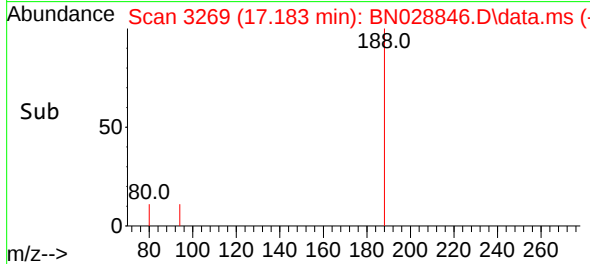
Instrument :  
 BNA\_N  
 ClientSampleId :  
 DCKE3DL



Tgt Ion:178 Resp: 2064  
 Ion Ratio Lower Upper  
 178 100  
 179 17.5 12.6 18.8  
 176 20.3 14.9 22.3

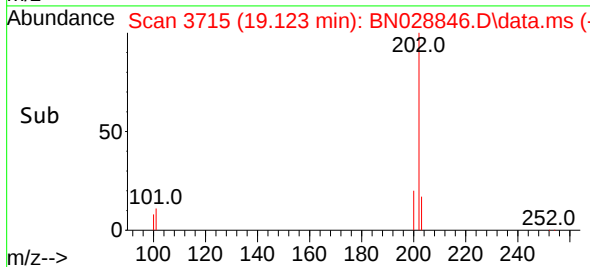
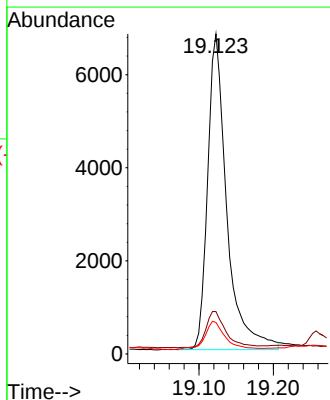
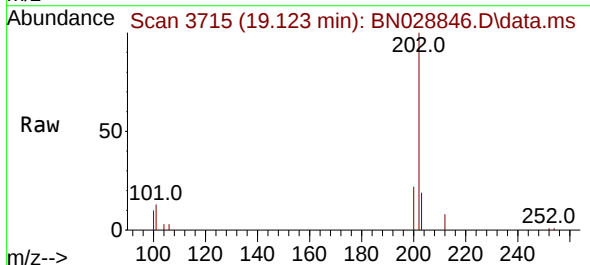
Manual Integrations  
 APPROVED

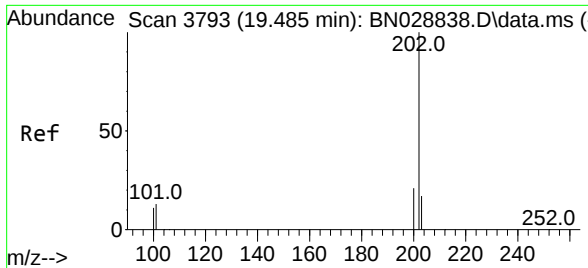
Reviewed By :Yogesh Patel 11/23/2023  
 Supervised By :mohammad ahmed 11/25/2023



#19  
 Fluoranthene  
 Concen: 0.184 ng/ul  
 RT: 19.123 min Scan# 3715  
 Delta R.T. 0.000 min  
 Lab File: BN028846.D  
 Acq: 22 Nov 2023 19:19

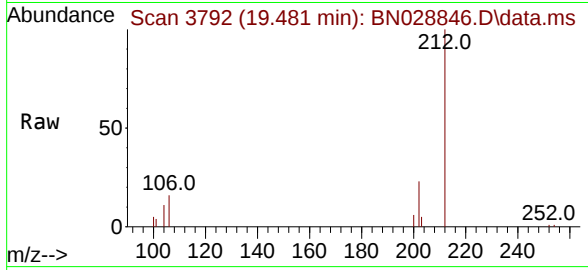
Tgt Ion:202 Resp: 12129  
 Ion Ratio Lower Upper  
 202 100  
 101 13.3 9.5 14.3  
 100 9.9 7.2 10.8





#20  
Pyrene  
Concen: 0.081 ng/ul m  
RT: 19.481 min Scan# 31  
Delta R.T. -0.005 min  
Lab File: BN028846.D  
Acq: 22 Nov 2023 19:19

Instrument :  
BNA\_N  
ClientSampleId :  
DCKE3DL



Tgt Ion:202 Resp: 5570

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 202 | 100   |       |       |
| 101 | 17.5  | 10.3  | 15.5  |
| 100 | 19.9  | 8.2   | 12.2  |

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 11/23/2023  
Supervised By :mohammad ahmed 11/25/2023

