

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN102323\  
 Data File : BN028368.D  
 Acq On : 24 Oct 2023 05:12  
 Operator : MA/JU  
 Sample : 04841-01MSD  
 Misc :  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 G-1-(5-10)MSD

Quant Time: Oct 24 08:19:41 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN101223.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Oct 23 15:14:08 2023  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/24/2023  
 Supervised By :mohammad ahmed 10/25/2023

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.871  | 152  | 5039     | 0.400  | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.682 | 136  | 16609    | 0.400  | ng    | -0.02    |
| 13) Acenaphthene-d10          | 14.523 | 164  | 14125    | 0.400  | ng    | -0.01    |
| 19) Phenanthrene-d10          | 17.282 | 188  | 16278    | 0.400  | ng    | #-0.01   |
| 29) Chrysene-d12              | 21.480 | 240  | 18539    | 0.400  | ng    | # 0.00   |
| 35) Perylene-d12              | 23.926 | 264  | 19064    | 0.400  | ng    | #-0.01   |
|                               |        |      |          |        |       |          |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 4) 2-Fluorophenol             | 5.416  | 112  | 3923     | 0.251  | ng    | -0.01    |
| 5) Phenol-d6                  | 7.041  | 99   | 4959     | 0.257  | ng    | -0.01    |
| 8) Nitrobenzene-d5            | 9.070  | 82   | 3520     | 0.239  | ng    | -0.03    |
| 11) 2-Methylnaphthalene-d10   | 12.272 | 152  | 9107m    | 0.365  | ng    | -0.02    |
| 14) 2,4,6-Tribromophenol      | 16.028 | 330  | 906      | 0.132  | ng    | -0.04    |
| 15) 2-Fluorobiphenyl          | 13.144 | 172  | 7890     | 0.159  | ng    | -0.02    |
| 27) Fluoranthene-d10          | 19.319 | 212  | 9637     | 0.221  | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.904 | 244  | 8504     | 0.216  | ng    | -0.01    |
|                               |        |      |          |        |       |          |
| Target Compounds              |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.292  | 88   | 1781     | 0.293  | ng    | # 62     |
| 3) n-Nitrosodimethylamine     | 3.646  | 42   | 2326     | 0.350  | ng    | 92       |
| 6) bis(2-Chloroethyl)ether    | 7.315  | 93   | 6267     | 0.422  | ng    | # 90     |
| 9) Naphthalene                | 10.735 | 128  | 589855   | 13.692 | ng    | 97       |
| 10) Hexachlorobutadiene       | 10.949 | 225  | 2878     | 0.389  | ng    | # 99     |
| 12) 2-Methylnaphthalene       | 12.343 | 142  | 322762   | 10.543 | ng    | 100      |
| 16) Acenaphthylene            | 14.245 | 152  | 570293   | 8.985  | ng    | 98       |
| 17) Acenaphthene              | 14.587 | 154  | 107030   | 2.676  | ng    | 93       |
| 18) Fluorene                  | 15.569 | 166  | 469751   | 8.923  | ng    | 94       |
| 21) 4-Bromophenyl-phenylether | 16.462 | 248  | 3713     | 0.443  | ng    | # 67     |
| 22) Hexachlorobenzene         | 16.549 | 284  | 3655     | 0.423  | ng    | # 76     |
| 23) Atrazine                  | 16.748 | 200  | 3306     | 0.421  | ng    | # 69     |
| 24) Pentachlorophenol         | 16.922 | 266  | 15020m   | 3.811  | ng    |          |
| 25) Phenanthrene              | 17.331 | 178  | 3111453  | 69.830 | ng    | 99       |
| 26) Anthracene                | 17.418 | 178  | 888539   | 20.879 | ng    | 98       |
| 28) Fluoranthene              | 19.351 | 202  | 2332783  | 41.674 | ng    | 99       |
| 30) Pyrene                    | 19.718 | 202  | 2823399  | 44.507 | ng    | 100      |
| 32) Benzo(a)anthracene        | 21.462 | 228  | 1403304  | 21.308 | ng    | 99       |
| 33) Chrysene                  | 21.515 | 228  | 1205380  | 19.123 | ng    | 98       |
| 34) Bis(2-ethylhexyl)phtha... | 21.336 | 149  | 17369    | 0.345  | ng    | # 94     |
| 36) Indeno(1,2,3-cd)pyrene    | 26.487 | 276  | 640505   | 8.334  | ng    | 96       |
| 37) Benzo(b)fluoranthene      | 23.174 | 252  | 1275904  | 21.412 | ng    | # 89     |
| 38) Benzo(k)fluoranthene      | 23.215 | 252  | 525326m  | 8.666  | ng    |          |
| 39) Benzo(a)pyrene            | 23.817 | 252  | 1160436m | 19.576 | ng    |          |
| 40) Dibenzo(a,h)anthracene    | 26.493 | 278  | 197051   | 3.158  | ng    | 97       |
| 41) Benzo(g,h,i)perylene      | 27.294 | 276  | 662820   | 10.289 | ng    | 95       |
| -----                         |        |      |          |        |       |          |

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

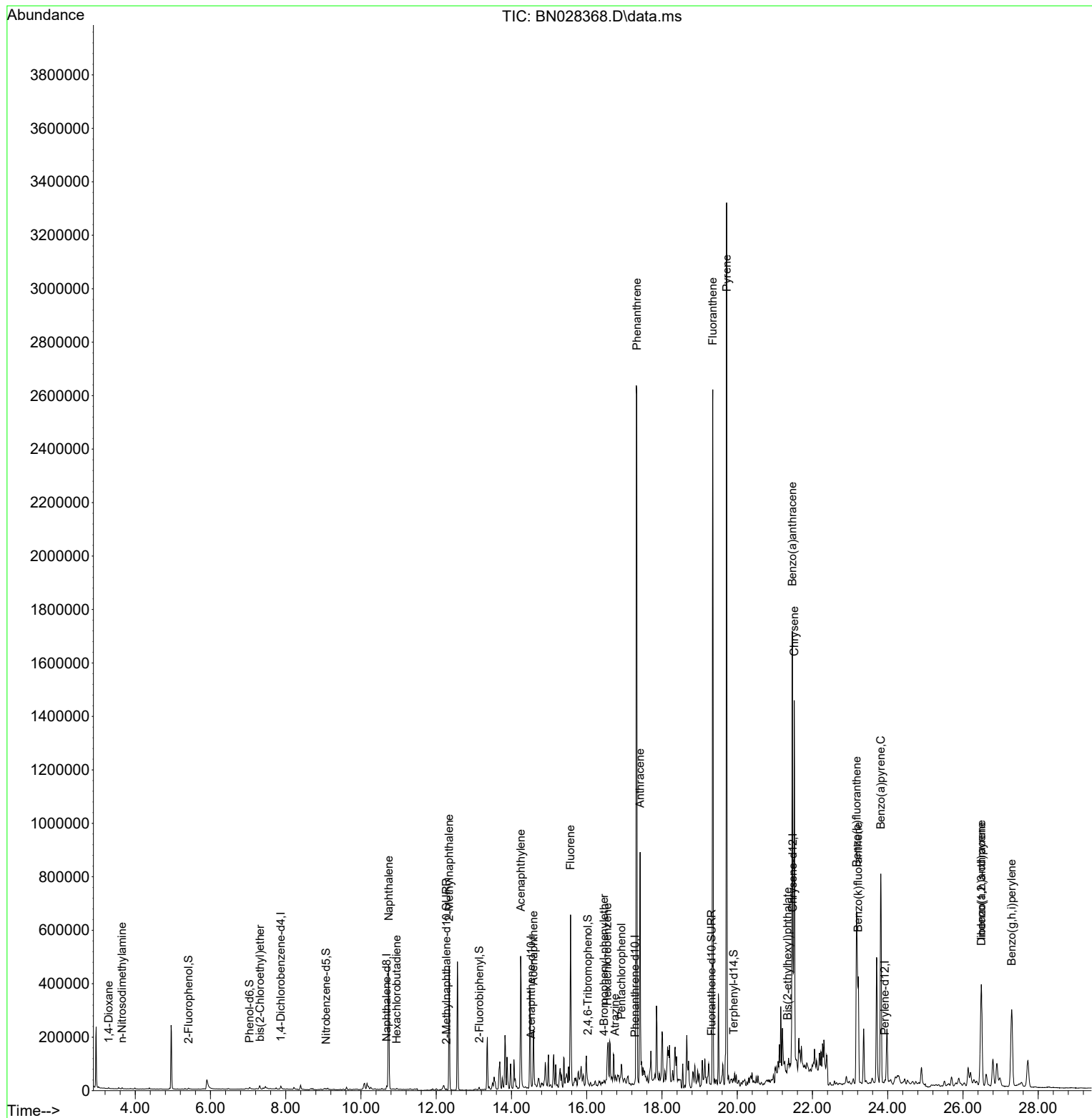
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN102323\  
Data File : BN028368.D  
Acq On : 24 Oct 2023 05:12  
Operator : MA/JU  
Sample : 04841-01MSD  
Misc :  
ALS Vial : 27 Sample Multiplier: 1

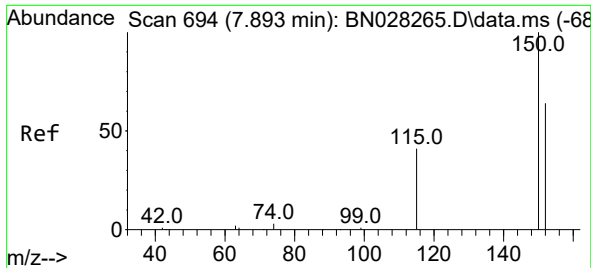
Instrument :  
BNA\_N  
ClientSampleId :  
G-1-(5-10)MSD

Quant Time: Oct 24 08:19:41 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN101223.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Oct 23 15:14:08 2023  
Response via : Initial Calibration

Manual Integrations  
APPROVED

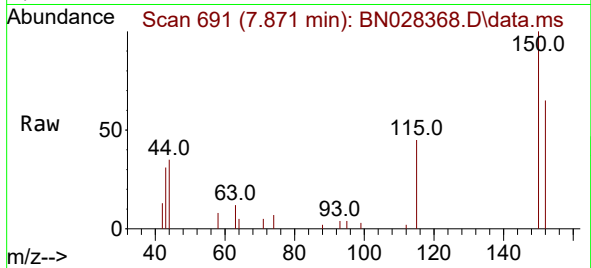
Reviewed By :Yogesh Patel 10/24/2023  
Supervised By :mohammad ahmed 10/25/2023





#1  
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.871 min Scan# 61  
Delta R.T. -0.007 min  
Lab File: BN028368.D  
Acq: 24 Oct 2023 05:12

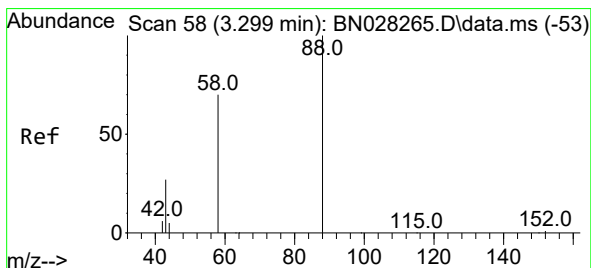
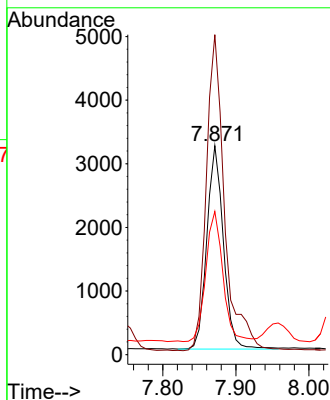
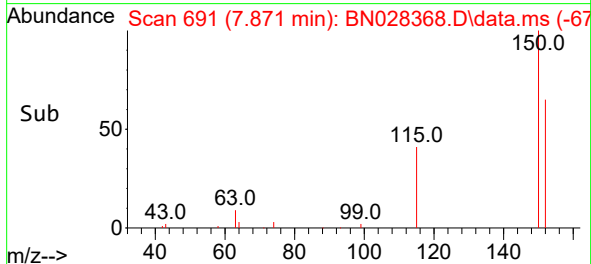
Instrument :  
BNA\_N  
ClientSampleId :  
G-1-(5-10)MSD



Tgt Ion:152 Resp: 5039  
Ion Ratio Lower Upper  
152 100  
150 153.1 121.6 182.4  
115 68.5 54.3 81.5

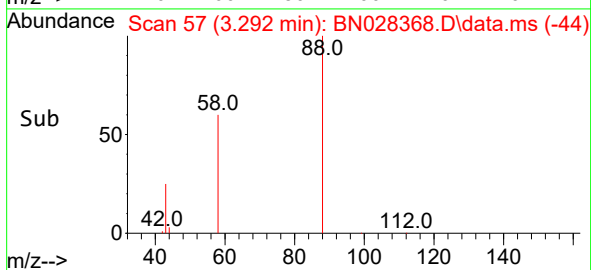
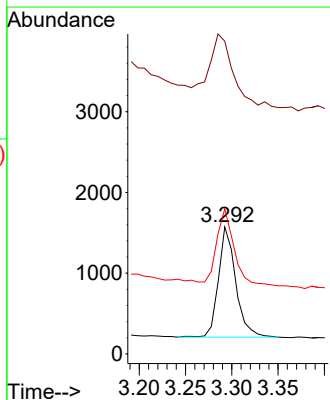
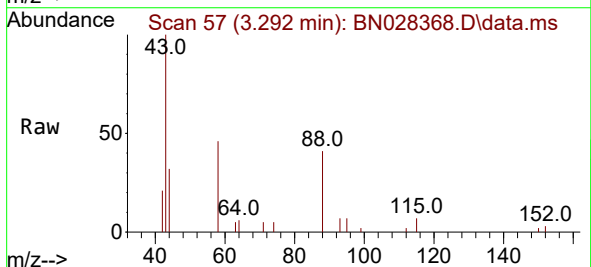
Manual Integrations  
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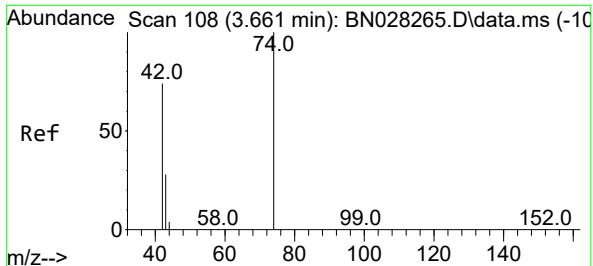
Reviewed By :Yogesh Patel 10/24/2023  
Supervised By :mohammad ahmed 10/25/2023



#2  
1,4-Dioxane  
Concen: 0.293 ng  
RT: 3.292 min Scan# 57  
Delta R.T. -0.007 min  
Lab File: BN028368.D  
Acq: 24 Oct 2023 05:12

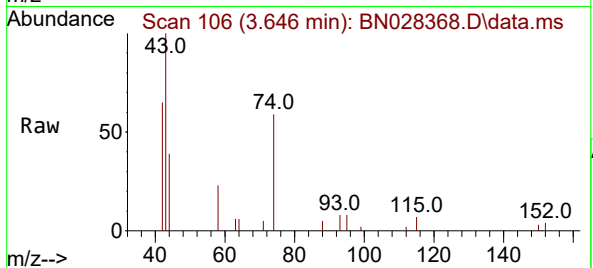
Tgt Ion: 88 Resp: 1781  
Ion Ratio Lower Upper  
88 100  
43 98.1 26.6 39.8#  
58 70.7 55.4 83.0





#3  
n-Nitrosodimethylamine  
Concen: 0.350 ng  
RT: 3.646 min Scan# 108  
Delta R.T. -0.021 min  
Lab File: BN028368.D  
Acq: 24 Oct 2023 05:12

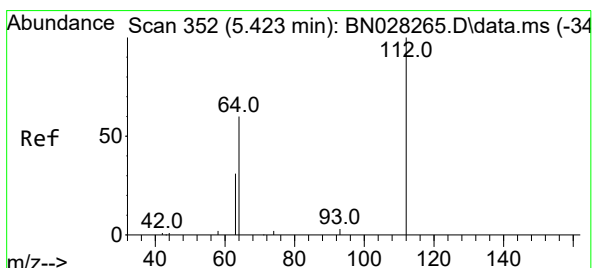
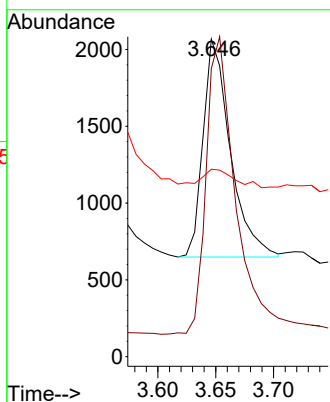
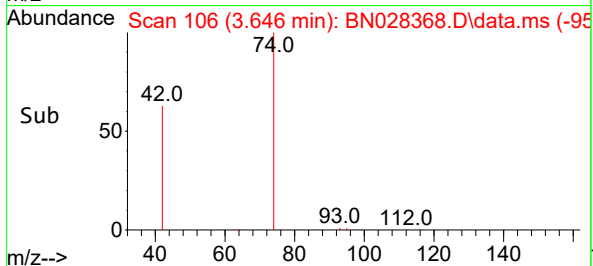
Instrument :  
BNA\_N  
ClientSampleId :  
G-1-(5-10)MSD



Tgt Ion: 42 Resp: 2320  
Ion Ratio Lower Upper  
42 100  
74 151.4 112.6 168.8  
44 8.7 7.8 11.6

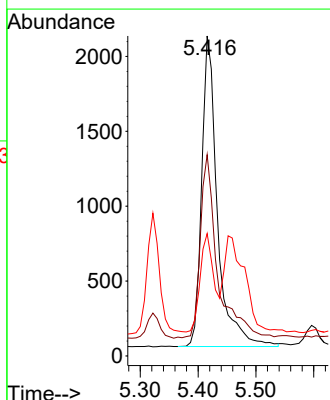
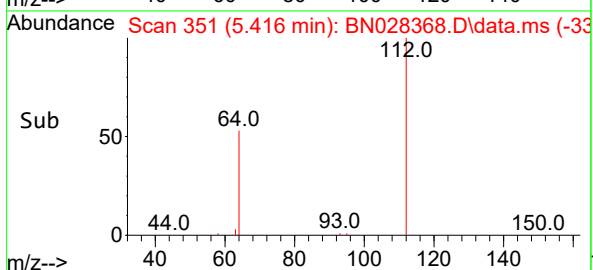
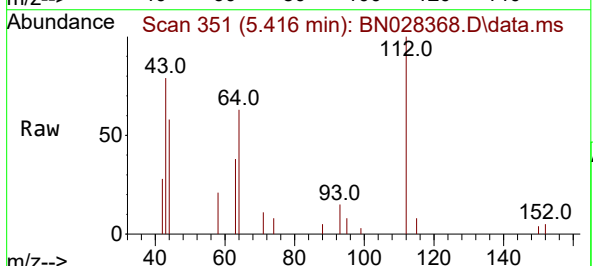
Manual Integrations  
APPROVED

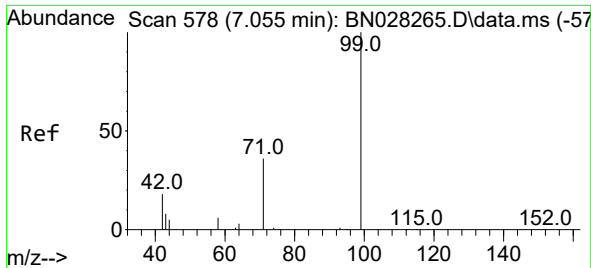
Reviewed By :Yogesh Patel 10/24/2023  
Supervised By :mohammad ahmed 10/25/2023



#4  
2-Fluorophenol  
Concen: 0.251 ng  
RT: 5.416 min Scan# 351  
Delta R.T. -0.014 min  
Lab File: BN028368.D  
Acq: 24 Oct 2023 05:12

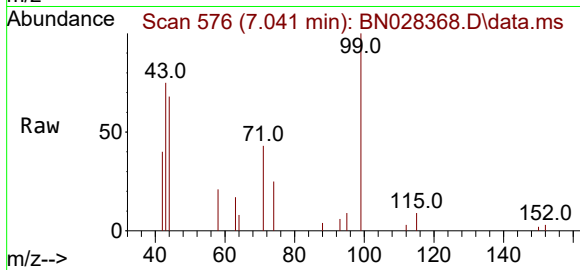
Tgt Ion:112 Resp: 3923  
Ion Ratio Lower Upper  
112 100  
64 64.9 46.9 70.3  
63 28.3 25.0 37.4





#5  
Phenol-d6  
Concen: 0.257 ng  
RT: 7.041 min Scan# 578  
Delta R.T. -0.014 min  
Lab File: BN028368.D  
Acq: 24 Oct 2023 05:12

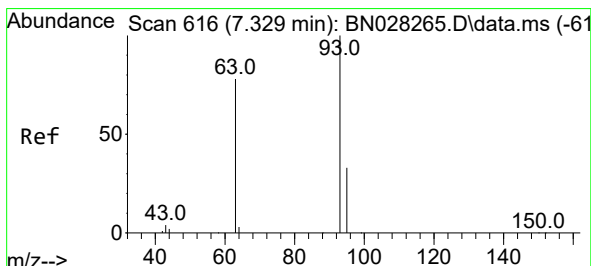
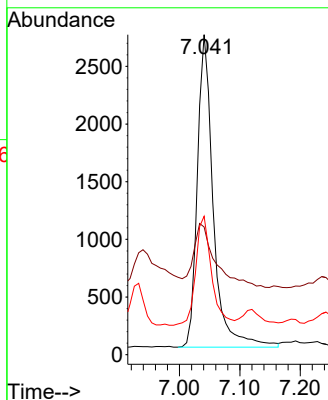
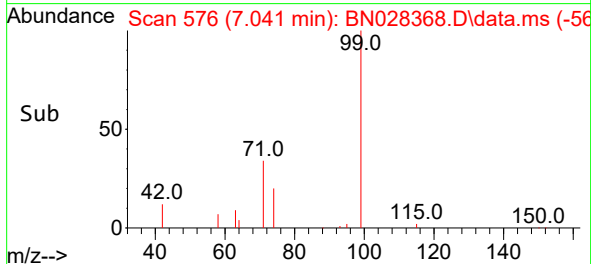
Instrument :  
BNA\_N  
ClientSampleId :  
G-1-(5-10)MSD



Tgt Ion: 99 Resp: 4958  
Ion Ratio Lower Upper  
99 100  
42 28.2 15.9 23.9  
71 34.8 28.6 42.8

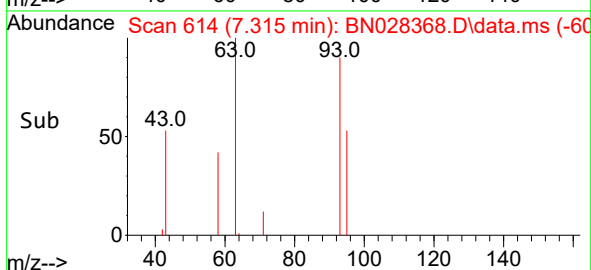
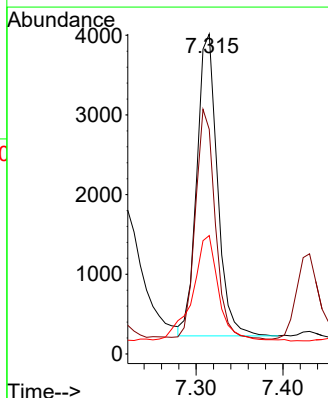
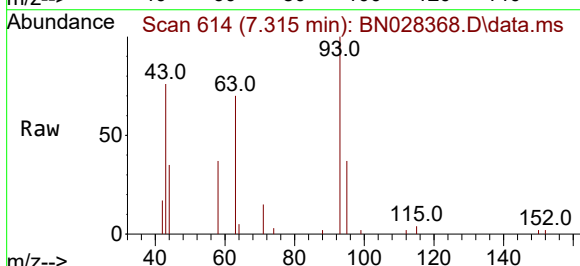
Manual Integrations  
APPROVED

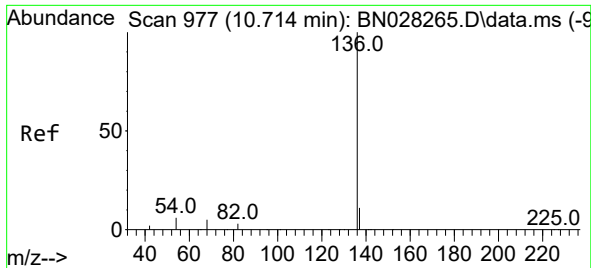
Reviewed By :Yogesh Patel 10/24/2023  
Supervised By :mohammad ahmed 10/25/2023



#6  
bis(2-Chloroethyl)ether  
Concen: 0.422 ng  
RT: 7.315 min Scan# 614  
Delta R.T. -0.007 min  
Lab File: BN028368.D  
Acq: 24 Oct 2023 05:12

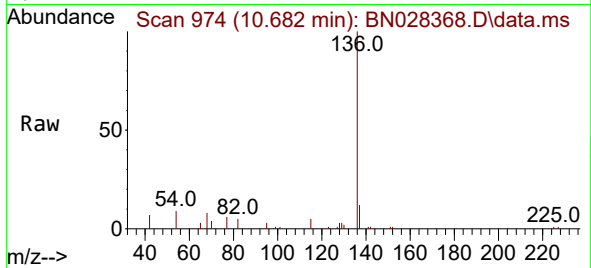
Tgt Ion: 93 Resp: 6267  
Ion Ratio Lower Upper  
93 100  
63 73.4 62.6 93.8  
95 44.8 27.2 40.8





#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.682 min Scan# 91  
Delta R.T. -0.021 min  
Lab File: BN028368.D  
Acq: 24 Oct 2023 05:12

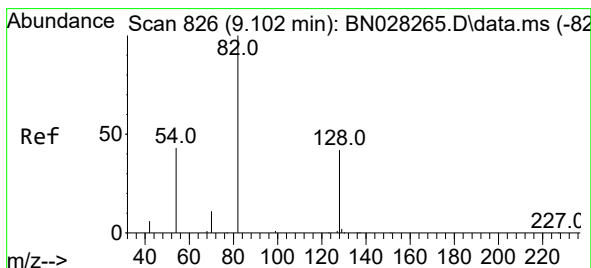
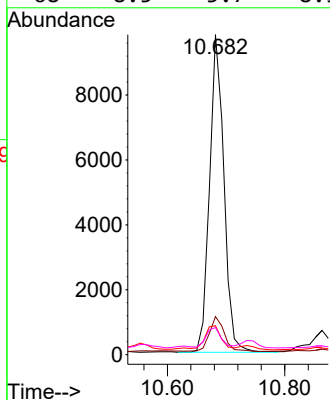
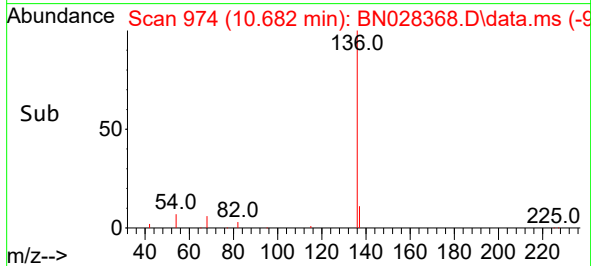
Instrument :  
BNA\_N  
ClientSampleId :  
G-1-(5-10)MSD



Tgt Ion:136 Resp: 16609  
Ion Ratio Lower Upper  
136 100  
137 11.9 9.8 14.8  
54 9.0 6.2 9.4  
68 8.5 5.7 8.5

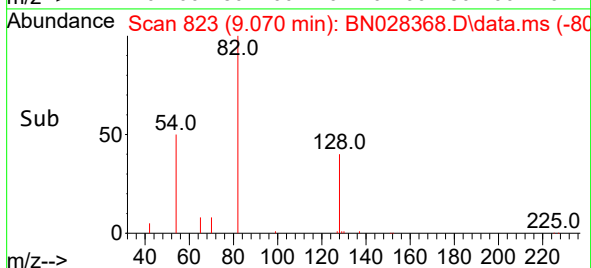
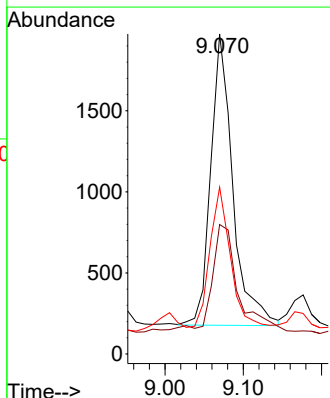
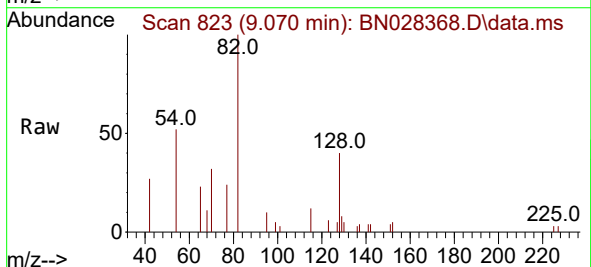
Manual Integrations  
APPROVED

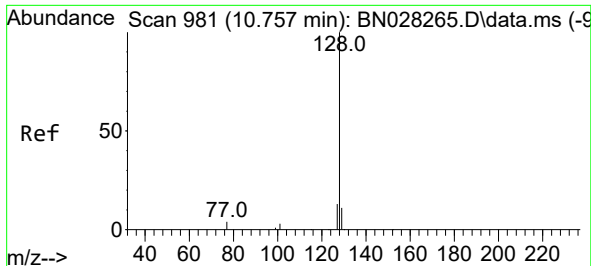
Reviewed By :Yogesh Patel 10/24/2023  
Supervised By :mohammad ahmed 10/25/2023



#8  
Nitrobenzene-d5  
Concen: 0.239 ng  
RT: 9.070 min Scan# 823  
Delta R.T. -0.032 min  
Lab File: BN028368.D  
Acq: 24 Oct 2023 05:12

Tgt Ion: 82 Resp: 3520  
Ion Ratio Lower Upper  
82 100  
128 40.5 36.8 55.2  
54 52.1 37.4 56.2





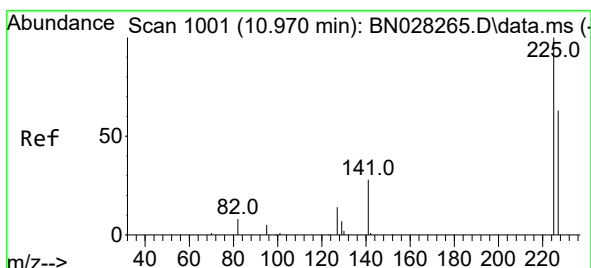
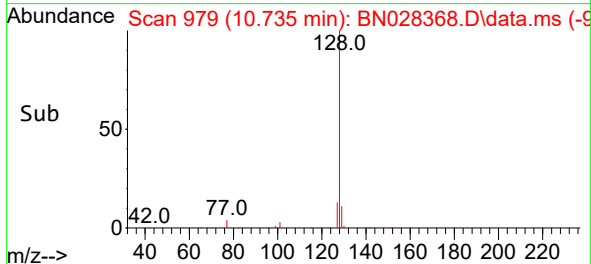
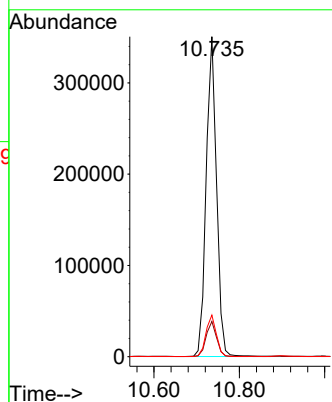
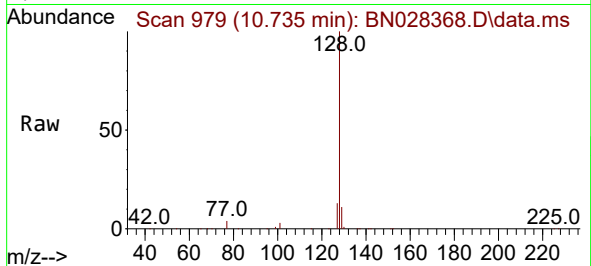
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Naphthalene  
Concen: 13.692 ng  
RT: 10.735 min Scan# 91  
Delta R.T. -0.021 min  
Lab File: BN028368.D  
Acq: 24 Oct 2023 05:12

Instrument :  
BNA\_N  
ClientSampleId :  
G-1-(5-10)MSD

Tgt Ion:128 Resp: 58985  
Ion Ratio Lower Upper  
128 100  
129 11.0 9.8 14.6  
127 13.0 11.4 17.0

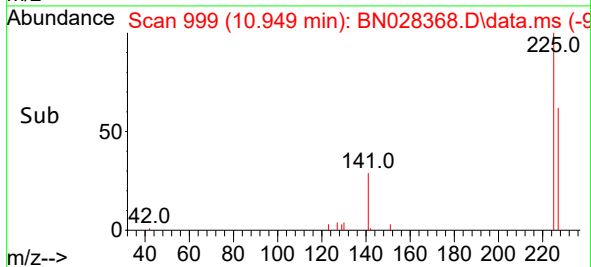
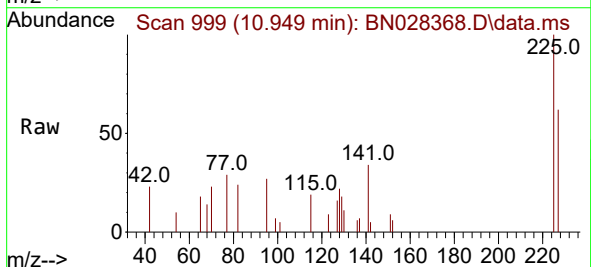
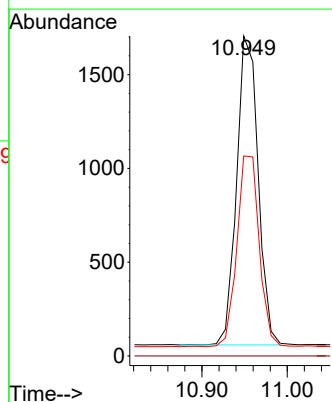
Manual Integrations  
APPROVED

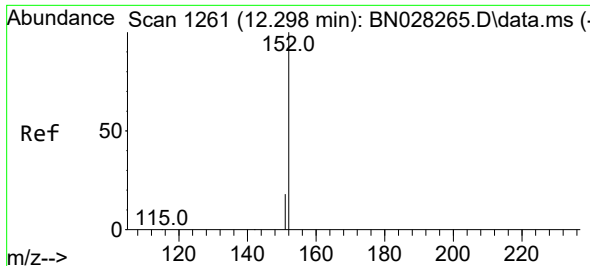
Reviewed By :Yogesh Patel 10/24/2023  
Supervised By :mohammad ahmed 10/25/2023



#10  
Hexachlorobutadiene  
Concen: 0.389 ng  
RT: 10.949 min Scan# 999  
Delta R.T. -0.010 min  
Lab File: BN028368.D  
Acq: 24 Oct 2023 05:12

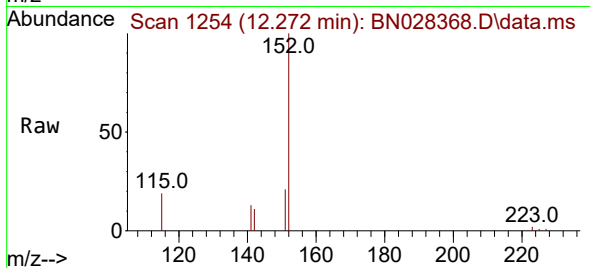
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Ion Ratio Lower Upper  
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223 0.0 0.0 0.0  
227 64.1 51.6 77.4





#11  
2-Methylnaphthalene-d10  
Concen: 0.365 ng m  
RT: 12.272 min Scan# 11  
Delta R.T. -0.022 min  
Lab File: BN028368.D  
Acq: 24 Oct 2023 05:12

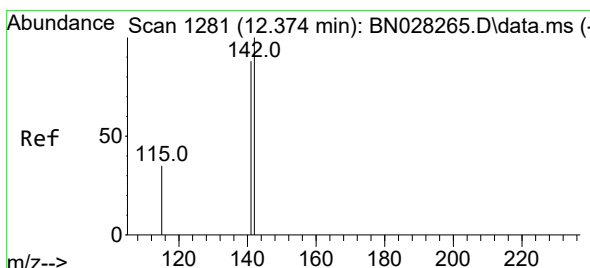
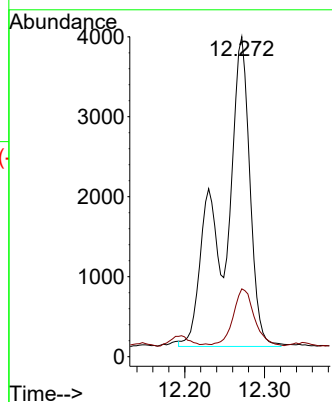
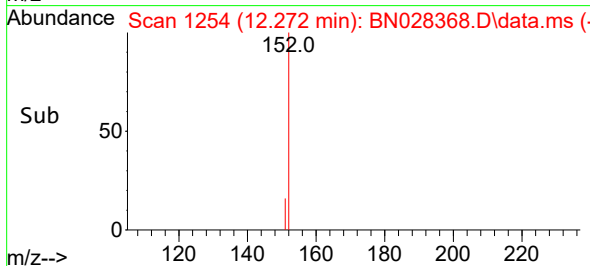
Instrument :  
BNA\_N  
ClientSampleId :  
G-1-(5-10)MSD



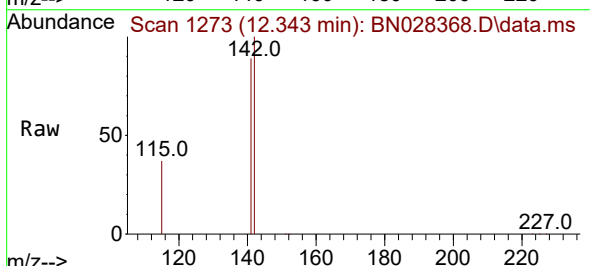
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Ion Ratio Lower Upper  
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151 14.6 16.1 24.1

Manual Integrations  
APPROVED

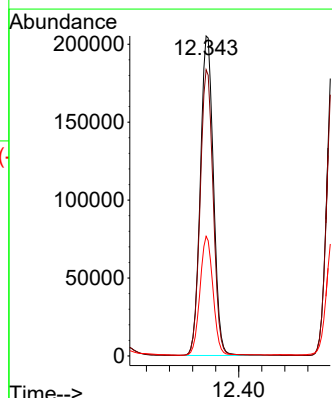
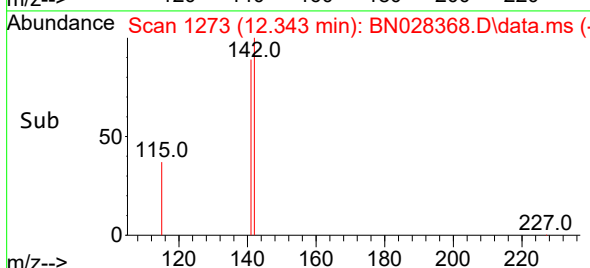
Reviewed By :Yogesh Patel 10/24/2023  
Supervised By :mohammad ahmed 10/25/2023

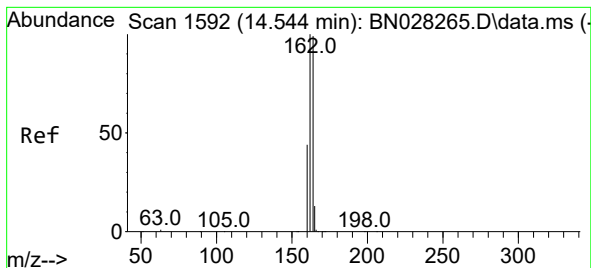


#12  
2-Methylnaphthalene  
Concen: 10.543 ng  
RT: 12.343 min Scan# 1273  
Delta R.T. -0.026 min  
Lab File: BN028368.D  
Acq: 24 Oct 2023 05:12



Tgt Ion:142 Resp: 322762  
Ion Ratio Lower Upper  
142 100  
141 89.5 71.1 106.7  
115 37.4 29.9 44.9





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.523 min Scan# 1590

Delta R.T. -0.011 min

Lab File: BN028368.D

Acq: 24 Oct 2023 05:12

Instrument :

BNA\_N

ClientSampleId :

G-1-(5-10)MSD

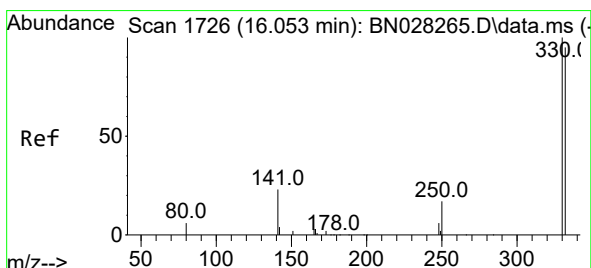
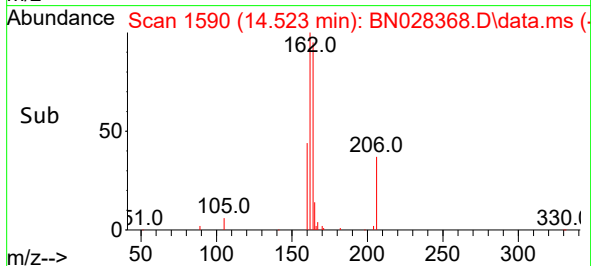
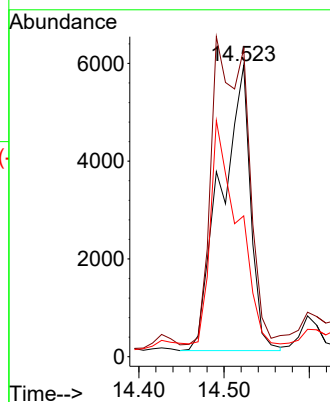
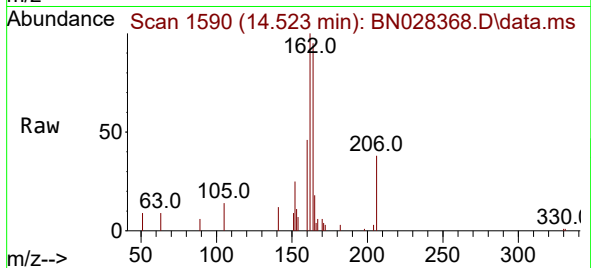
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 164   | Resp: | 1412  |
| Ion Ratio | Lower | Upper |       |
| 164       | 100   |       |       |
| 162       | 105.7 | 81.1  | 121.7 |
| 160       | 48.3  | 36.6  | 54.8  |

Manual Integrations

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Reviewed By :Yogesh Patel 10/24/2023

Supervised By :mohammad ahmed 10/25/2023



#14

2,4,6-Tribromophenol

Concen: 0.132 ng

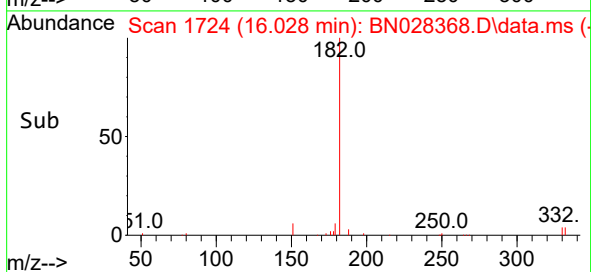
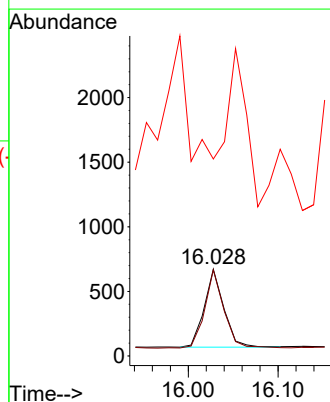
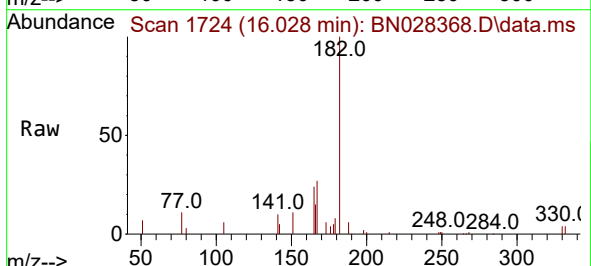
RT: 16.028 min Scan# 1724

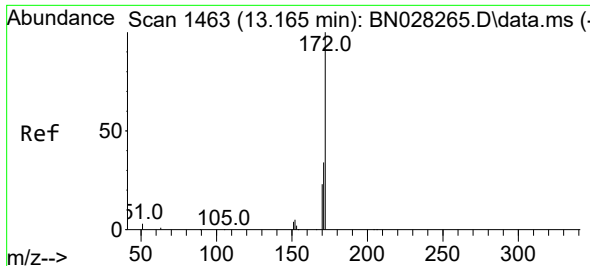
Delta R.T. -0.037 min

Lab File: BN028368.D

Acq: 24 Oct 2023 05:12

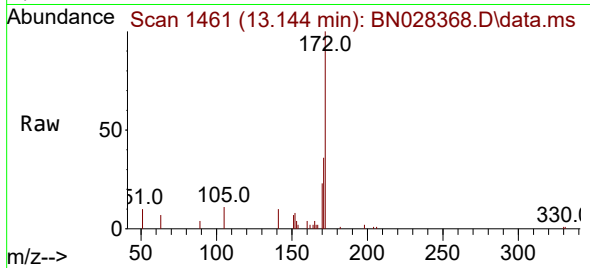
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 330   | Resp: | 906   |
| Ion Ratio | Lower | Upper |       |
| 330       | 100   |       |       |
| 332       | 98.1  | 74.1  | 111.1 |
| 141       | 0.0   | 32.1  | 48.1  |





#15  
2-Fluorobiphenyl  
Concen: 0.159 ng  
RT: 13.144 min Scan# 1461  
Delta R.T. -0.021 min  
Lab File: BN028368.D  
Acq: 24 Oct 2023 05:12

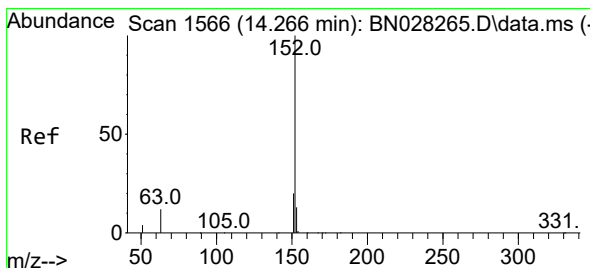
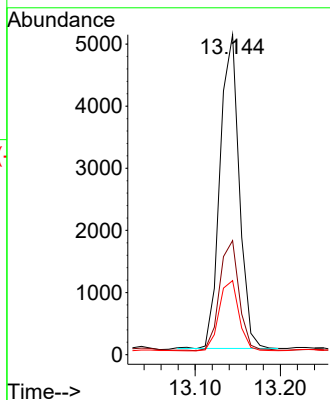
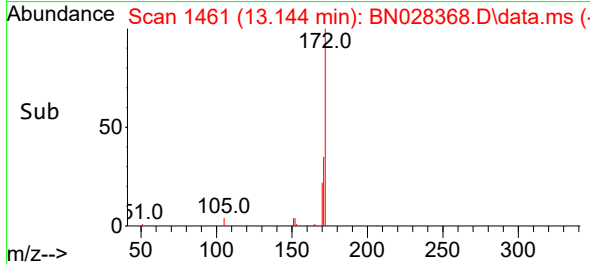
Instrument :  
BNA\_N  
ClientSampleId :  
G-1-(5-10)MSD



Tgt Ion:172 Resp: 7890  
Ion Ratio Lower Upper  
172 100  
171 35.6 28.3 42.5  
170 23.1 18.7 28.1

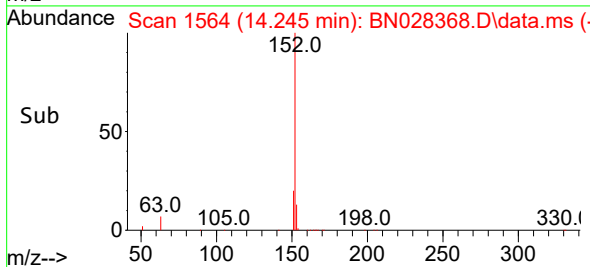
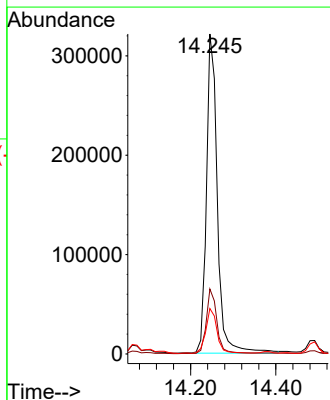
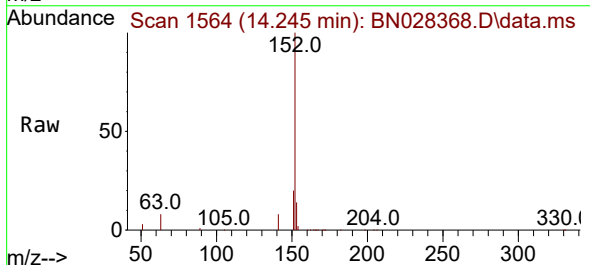
Manual Integrations  
APPROVED

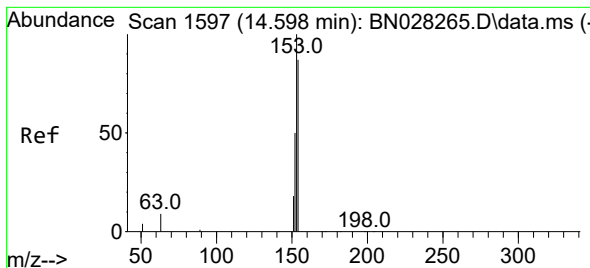
Reviewed By :Yogesh Patel 10/24/2023  
Supervised By :mohammad ahmed 10/25/2023



#16  
Acenaphthylene  
Concen: 8.985 ng  
RT: 14.245 min Scan# 1564  
Delta R.T. -0.010 min  
Lab File: BN028368.D  
Acq: 24 Oct 2023 05:12

Tgt Ion:152 Resp: 570293  
Ion Ratio Lower Upper  
152 100  
151 19.9 15.6 23.4  
153 14.5 10.6 16.0





#17

Acenaphthene

Concen: 2.676 ng

RT: 14.587 min Scan# 1596

Delta R.T. -0.011 min

Lab File: BN028368.D

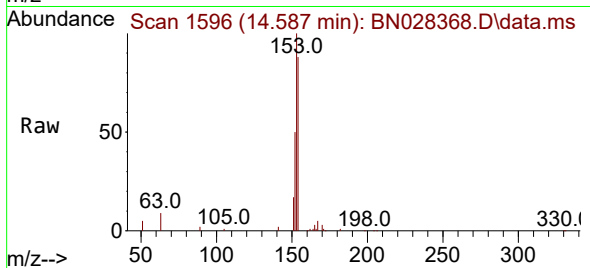
Acq: 24 Oct 2023 05:12

Instrument :

BNA\_N

ClientSampleId :

G-1-(5-10)MSD



Tgt Ion:154 Resp: 107030

Ion Ratio Lower Upper

154 100

153 120.2 90.7 136.1

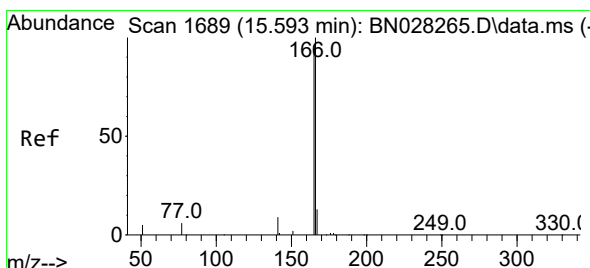
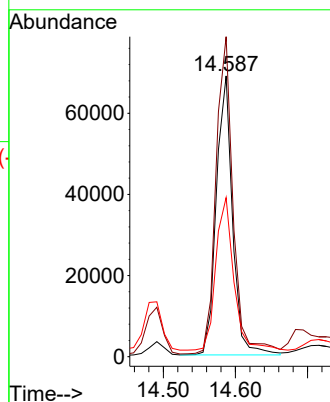
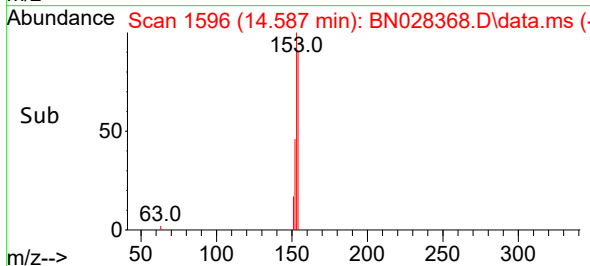
152 60.3 43.6 65.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/24/2023

Supervised By :mohammad ahmed 10/25/2023



#18

Fluorene

Concen: 8.923 ng

RT: 15.569 min Scan# 1687

Delta R.T. -0.012 min

Lab File: BN028368.D

Acq: 24 Oct 2023 05:12

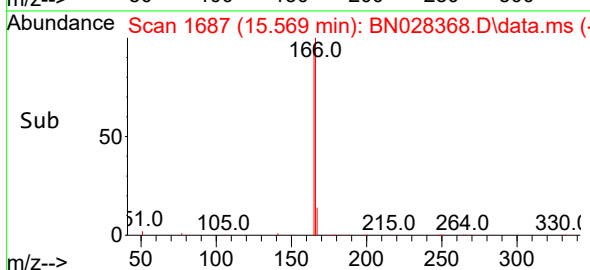
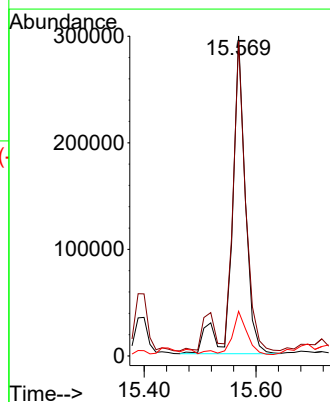
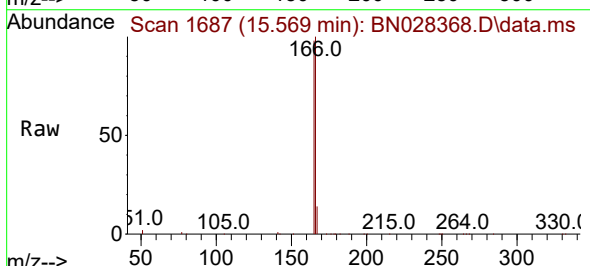
Tgt Ion:166 Resp: 469751

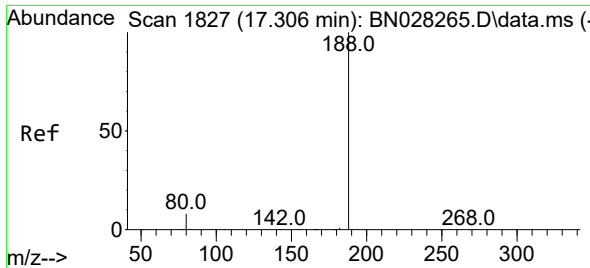
Ion Ratio Lower Upper

166 100

165 93.1 79.3 118.9

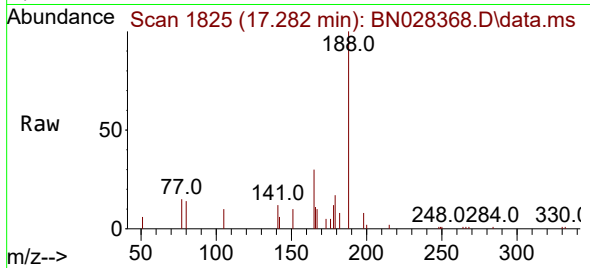
167 15.9 10.9 16.3





#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.282 min Scan# 1759  
Delta R.T. -0.012 min  
Lab File: BN028368.D  
Acq: 24 Oct 2023 05:12

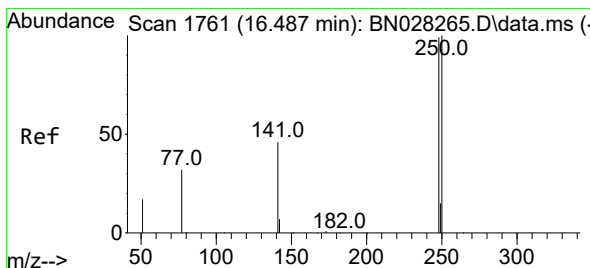
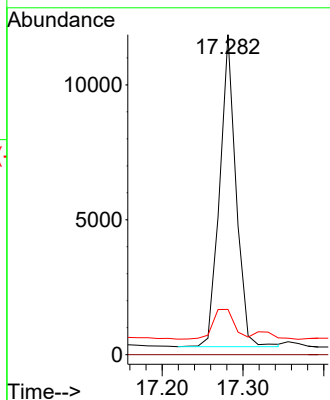
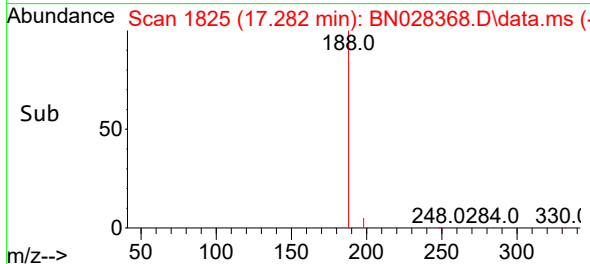
Instrument :  
BNA\_N  
ClientSampleId :  
G-1-(5-10)MSD



Tgt Ion:188 Resp: 16278  
Ion Ratio Lower Upper  
188 100  
94 0.0 0.0 0.0  
80 14.2 7.1 10.7

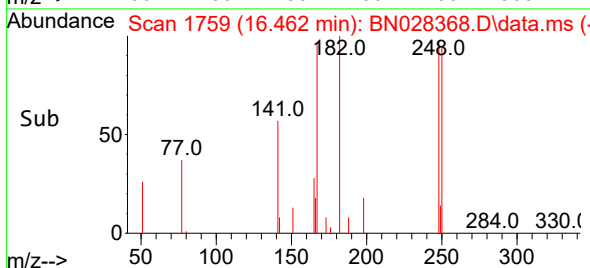
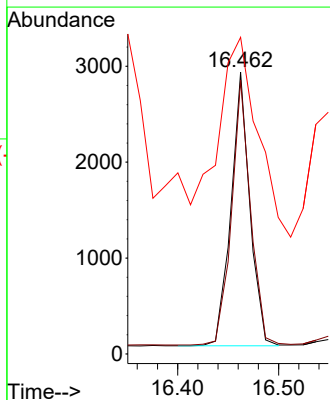
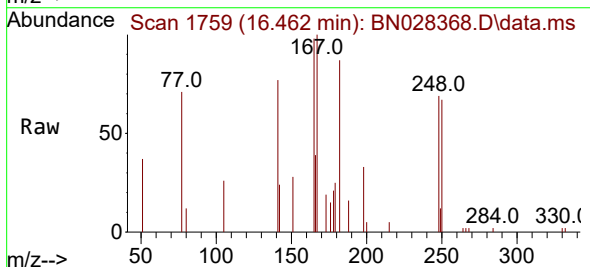
Manual Integrations  
APPROVED

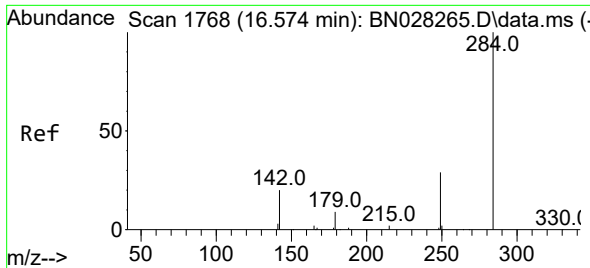
Reviewed By :Yogesh Patel 10/24/2023  
Supervised By :mohammad ahmed 10/25/2023



#21  
4-Bromophenyl-phenylether  
Concen: 0.443 ng  
RT: 16.462 min Scan# 1759  
Delta R.T. -0.012 min  
Lab File: BN028368.D  
Acq: 24 Oct 2023 05:12

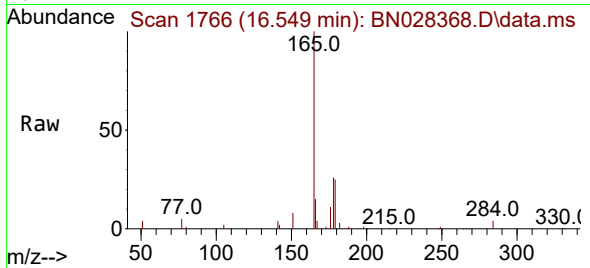
Tgt Ion:248 Resp: 3713  
Ion Ratio Lower Upper  
248 100  
250 97.2 80.5 120.7  
141 112.4 38.9 58.3





#22  
Hexachlorobenzene  
Concen: 0.423 ng  
RT: 16.549 min Scan# 1766  
Delta R.T. -0.012 min  
Lab File: BN028368.D  
Acq: 24 Oct 2023 05:12

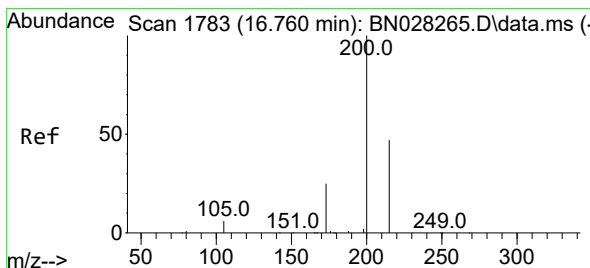
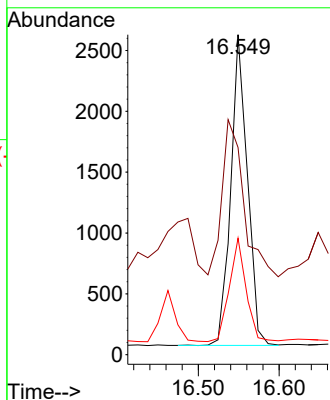
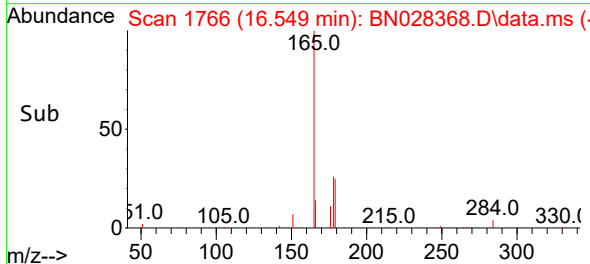
Instrument :  
BNA\_N  
ClientSampleId :  
G-1-(5-10)MSD



Tgt Ion:284 Resp: 365  
Ion Ratio Lower Upper  
284 100  
142 65.5 32.1 48.1  
249 33.5 25.5 38.3

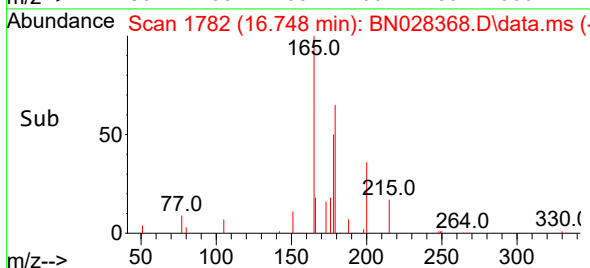
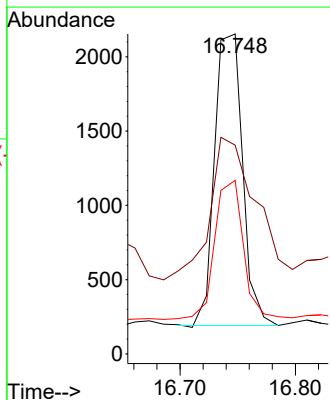
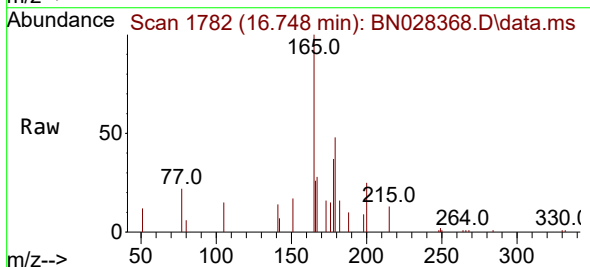
Manual Integrations  
APPROVED

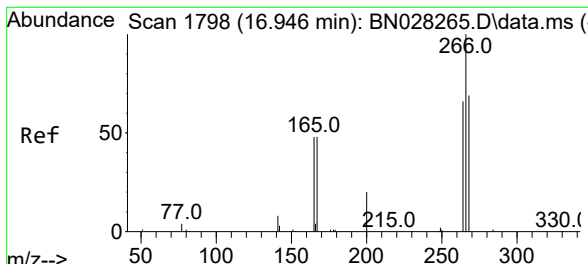
Reviewed By :Yogesh Patel 10/24/2023  
Supervised By :mohammad ahmed 10/25/2023



#23  
Atrazine  
Concen: 0.421 ng  
RT: 16.748 min Scan# 1782  
Delta R.T. -0.012 min  
Lab File: BN028368.D  
Acq: 24 Oct 2023 05:12

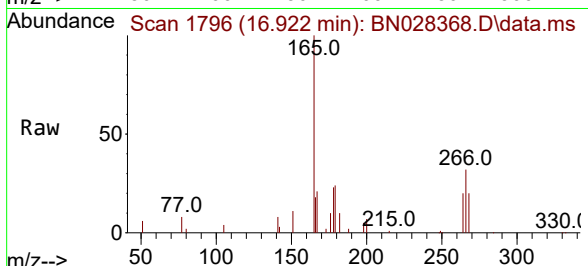
Tgt Ion:200 Resp: 3306  
Ion Ratio Lower Upper  
200 100  
173 65.2 21.6 32.4  
215 54.2 39.0 58.6





#24  
 Pentachlorophenol  
 Concen: 3.811 ng m  
 RT: 16.922 min Scan# 1796  
 Delta R.T. -0.112 min  
 Lab File: BN028368.D  
 Acq: 24 Oct 2023 05:12

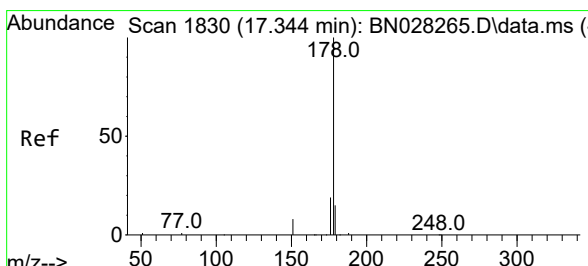
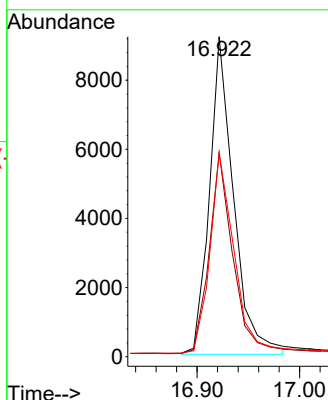
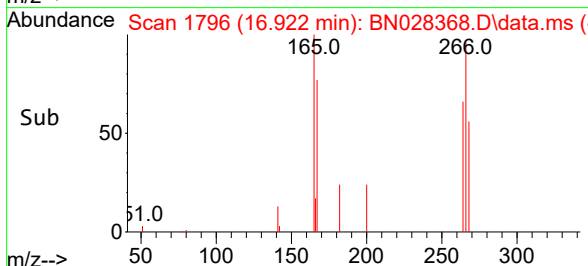
Instrument :  
 BNA\_N  
 ClientSampleId :  
 G-1-(5-10)MSD



Tgt Ion:266 Resp: 15020  
 Ion Ratio Lower Upper  
 266 100  
 264 0.0 51.5 77.3  
 268 0.0 56.6 84.8

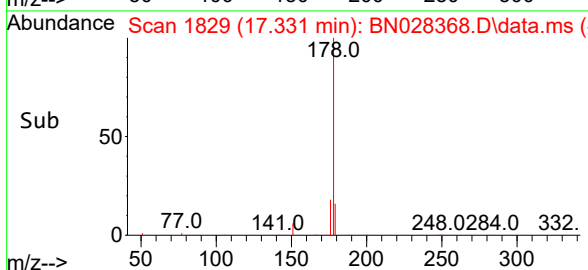
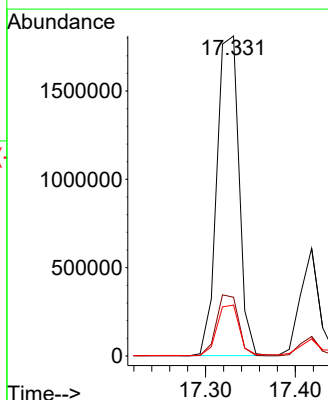
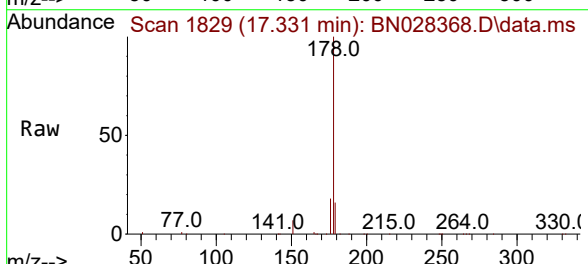
Manual Integrations  
 APPROVED

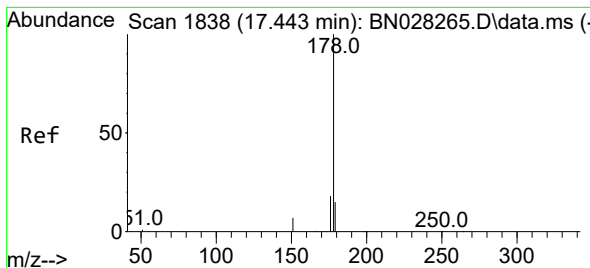
Reviewed By :Yogesh Patel 10/24/2023  
 Supervised By :mohammad ahmed 10/25/2023



#25  
 Phenanthrene  
 Concen: 69.830 ng  
 RT: 17.331 min Scan# 1829  
 Delta R.T. 0.000 min  
 Lab File: BN028368.D  
 Acq: 24 Oct 2023 05:12

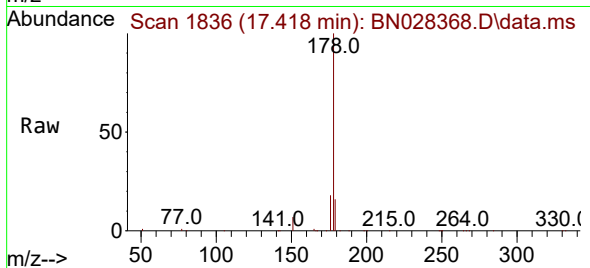
Tgt Ion:178 Resp: 3111453  
 Ion Ratio Lower Upper  
 178 100  
 176 19.0 15.3 22.9  
 179 16.0 12.5 18.7





#26  
 Anthracene  
 Concen: 20.879 ng  
 RT: 17.418 min Scan# 11  
 Delta R.T. -0.012 min  
 Lab File: BN028368.D  
 Acq: 24 Oct 2023 05:12

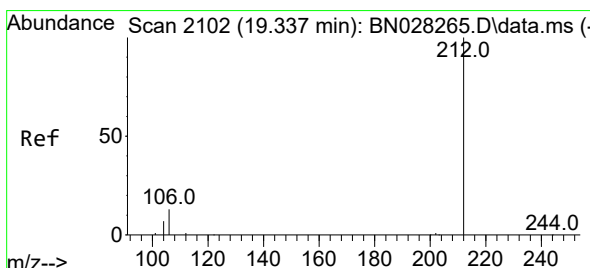
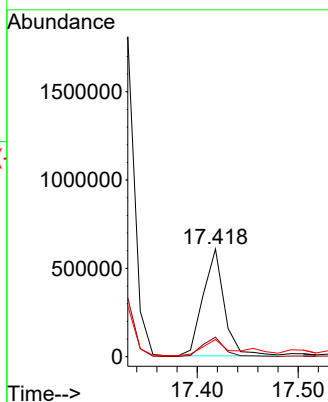
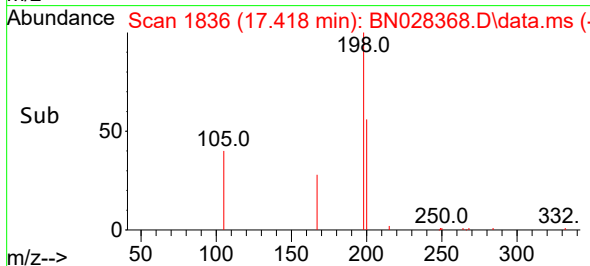
Instrument :  
 BNA\_N  
 ClientSampleId :  
 G-1-(5-10)MSD



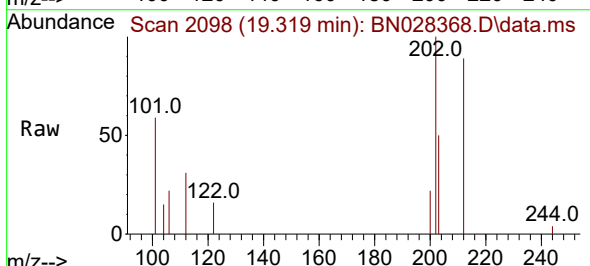
Tgt Ion:178 Resp: 888539  
 Ion Ratio Lower Upper  
 178 100  
 176 18.5 14.6 22.0  
 179 17.1 12.2 18.4

Manual Integrations  
 APPROVED

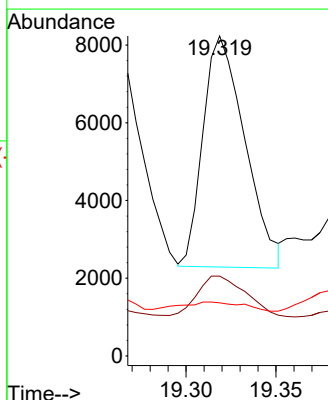
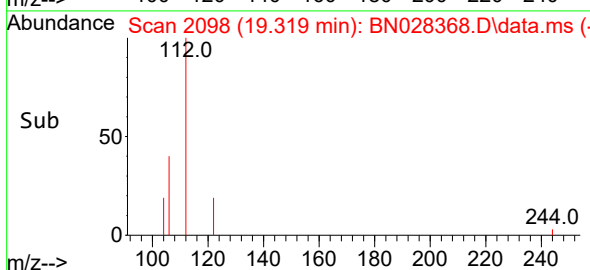
Reviewed By :Yogesh Patel 10/24/2023  
 Supervised By :mohammad ahmed 10/25/2023

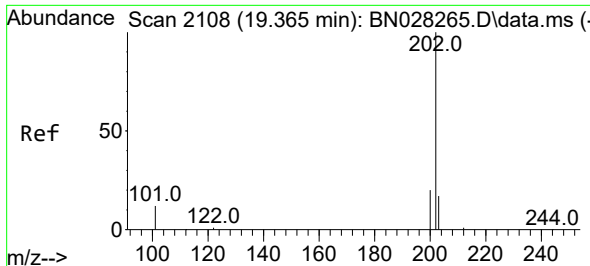


#27  
 Fluoranthene-d10  
 Concen: 0.221 ng  
 RT: 19.319 min Scan# 2098  
 Delta R.T. -0.009 min  
 Lab File: BN028368.D  
 Acq: 24 Oct 2023 05:12



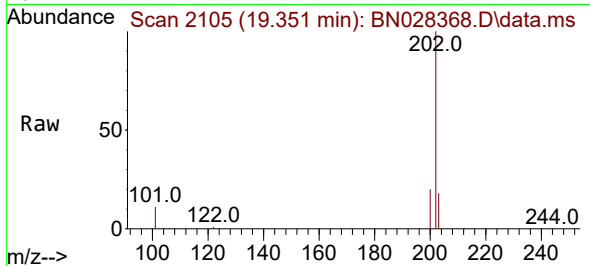
Tgt Ion:212 Resp: 9637  
 Ion Ratio Lower Upper  
 212 100  
 106 20.5 11.5 17.3#  
 104 7.4 6.7 10.1





#28  
Fluoranthene  
Concen: 41.674 ng  
RT: 19.351 min Scan# 2105  
Delta R.T. -0.004 min  
Lab File: BN028368.D  
Acq: 24 Oct 2023 05:12

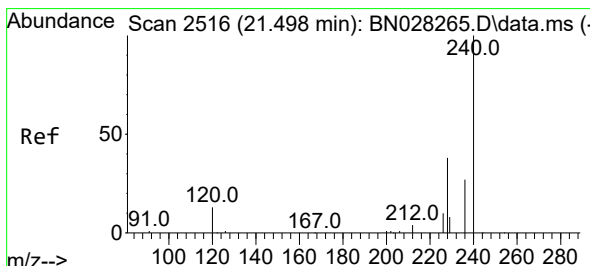
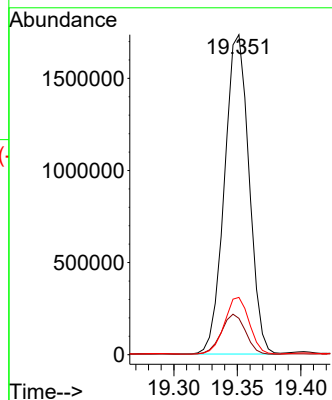
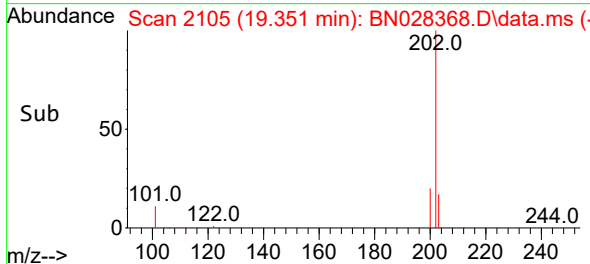
Instrument :  
BNA\_N  
ClientSampleId :  
G-1-(5-10)MSD



Tgt Ion:202 Resp: 233278  
Ion Ratio Lower Upper  
202 100  
101 12.4 10.1 15.1  
203 17.9 13.9 20.9

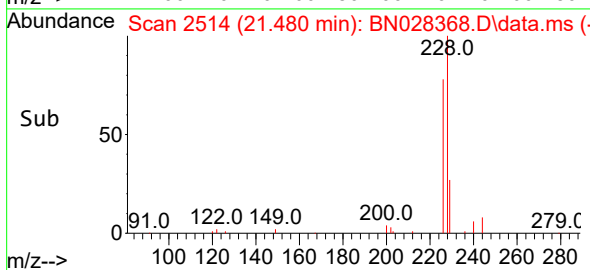
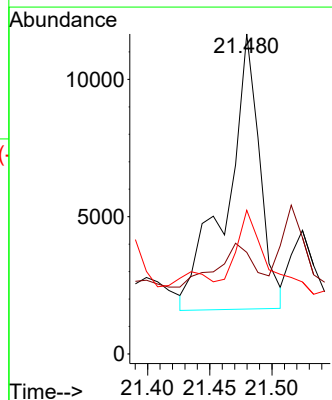
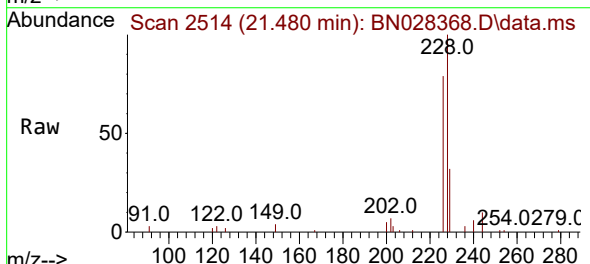
Manual Integrations  
APPROVED

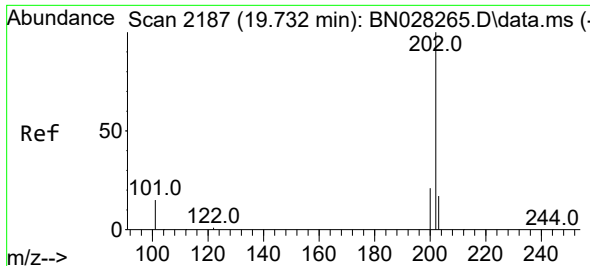
Reviewed By :Yogesh Patel 10/24/2023  
Supervised By :mohammad ahmed 10/25/2023



#29  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.480 min Scan# 2514  
Delta R.T. -0.009 min  
Lab File: BN028368.D  
Acq: 24 Oct 2023 05:12

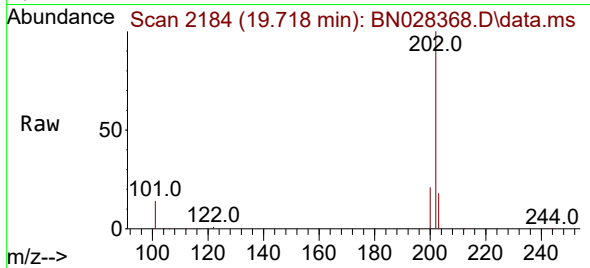
Tgt Ion:240 Resp: 18539  
Ion Ratio Lower Upper  
240 100  
120 31.7 13.4 20.0#  
236 44.9 22.7 34.1#





#30  
Pyrene  
Concen: 44.507 ng  
RT: 19.718 min Scan# 2184  
Delta R.T. -0.009 min  
Lab File: BN028368.D  
Acq: 24 Oct 2023 05:12

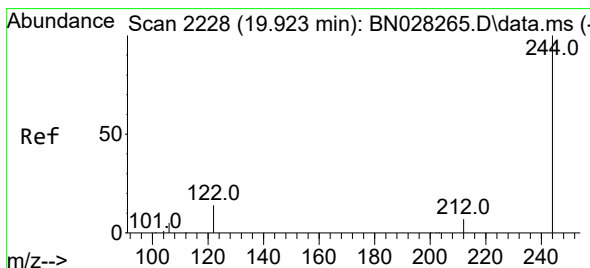
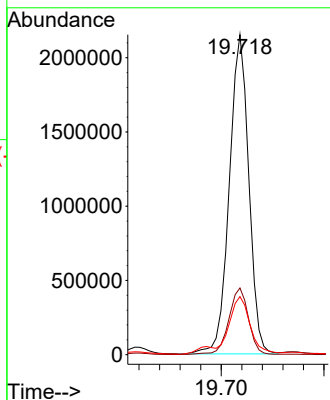
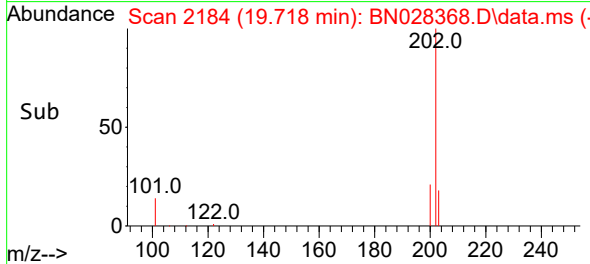
Instrument :  
BNA\_N  
ClientSampleId :  
G-1-(5-10)MSD



Tgt Ion:202 Resp: 2823399  
Ion Ratio Lower Upper  
202 100  
200 20.9 16.7 25.1  
203 17.9 14.5 21.7

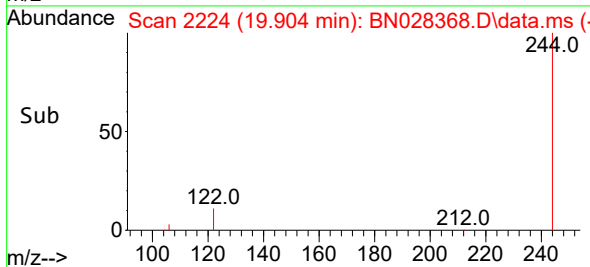
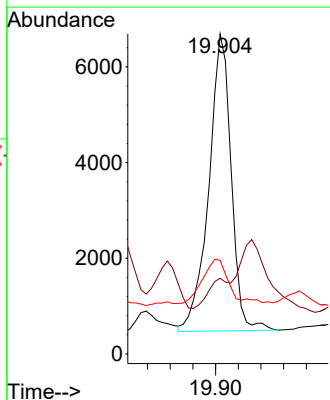
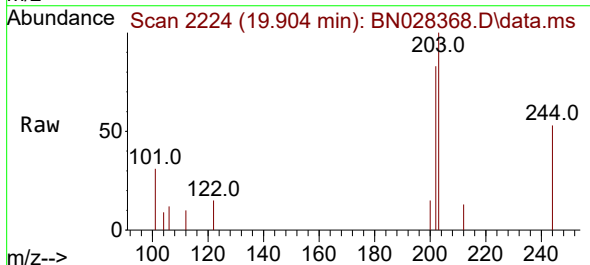
Manual Integrations  
APPROVED

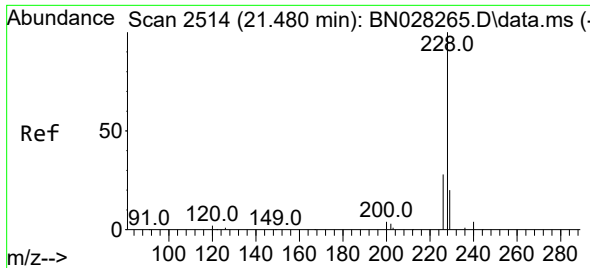
Reviewed By :Yogesh Patel 10/24/2023  
Supervised By :mohammad ahmed 10/25/2023



#31  
Terphenyl-d14  
Concen: 0.216 ng  
RT: 19.904 min Scan# 2224  
Delta R.T. -0.014 min  
Lab File: BN028368.D  
Acq: 24 Oct 2023 05:12

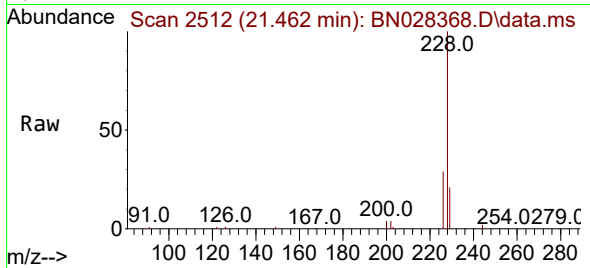
Tgt Ion:244 Resp: 8504  
Ion Ratio Lower Upper  
244 100  
212 23.6 6.6 10.0#  
122 29.2 11.7 17.5#





#32  
Benzo(a)anthracene  
Concen: 21.308 ng  
RT: 21.462 min Scan# 2146  
Delta R.T. -0.009 min  
Lab File: BN028368.D  
Acq: 24 Oct 2023 05:12

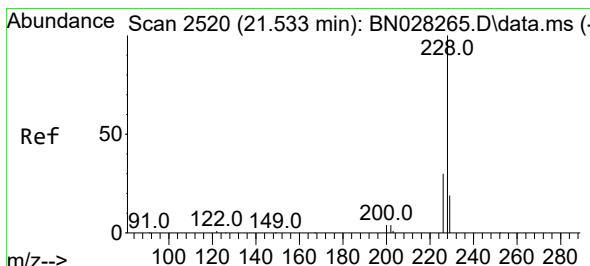
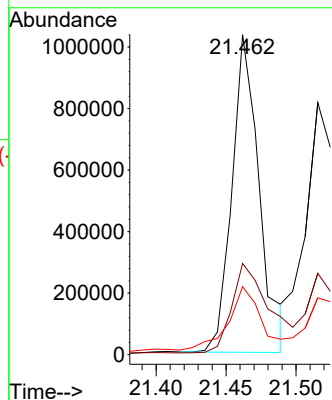
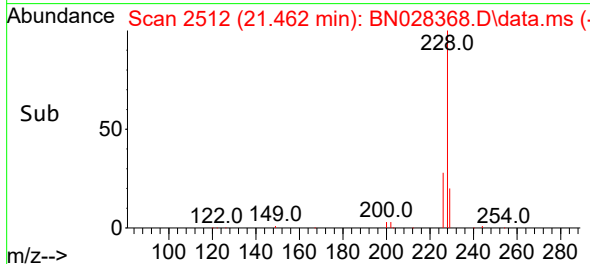
Instrument :  
BNA\_N  
ClientSampleId :  
G-1-(5-10)MSD



Tgt Ion:228 Resp: 1403304  
Ion Ratio Lower Upper  
228 100  
226 28.5 22.9 34.3  
229 21.3 16.6 24.8

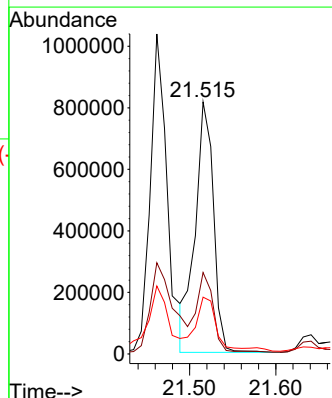
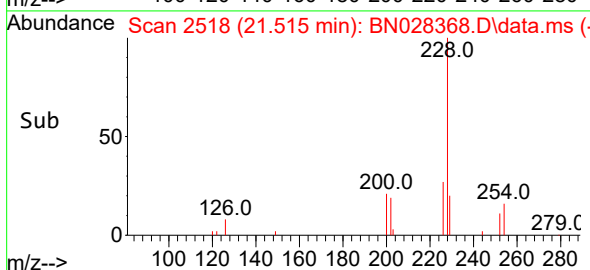
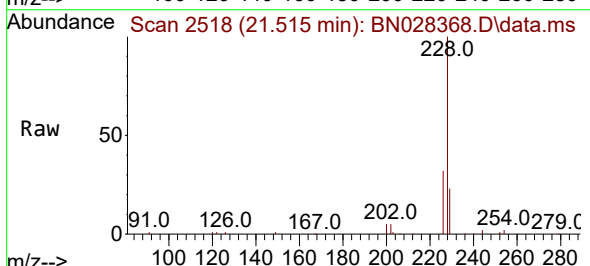
Manual Integrations  
APPROVED

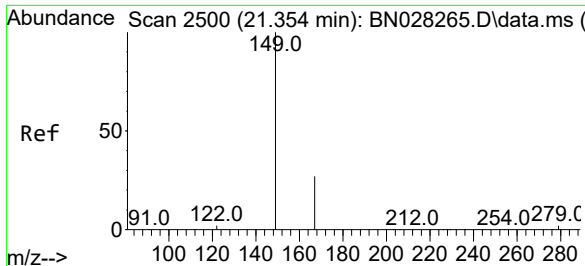
Reviewed By :Yogesh Patel 10/24/2023  
Supervised By :mohammad ahmed 10/25/2023



#33  
Chrysene  
Concen: 19.123 ng  
RT: 21.515 min Scan# 2518  
Delta R.T. -0.009 min  
Lab File: BN028368.D  
Acq: 24 Oct 2023 05:12

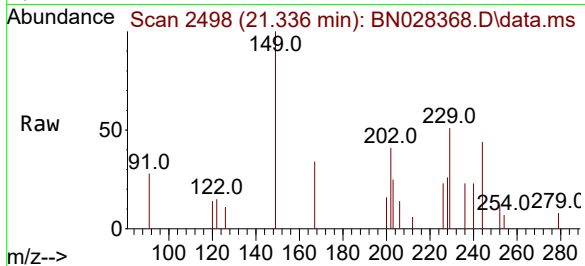
Tgt Ion:228 Resp: 1205380  
Ion Ratio Lower Upper  
228 100  
226 32.4 25.2 37.8  
229 22.5 16.6 25.0





#34  
Bis(2-ethylhexyl)phthalate  
Concen: 0.345 ng  
RT: 21.336 min Scan# 2498  
Delta R.T. -0.009 min  
Lab File: BN028368.D  
Acq: 24 Oct 2023 05:12

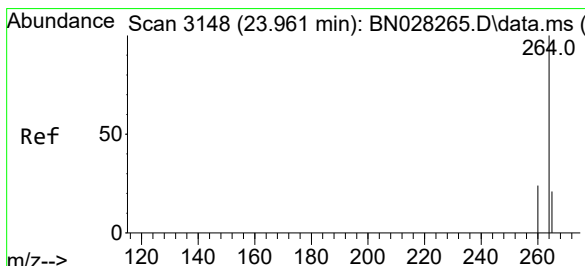
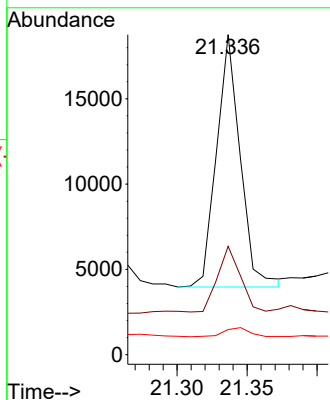
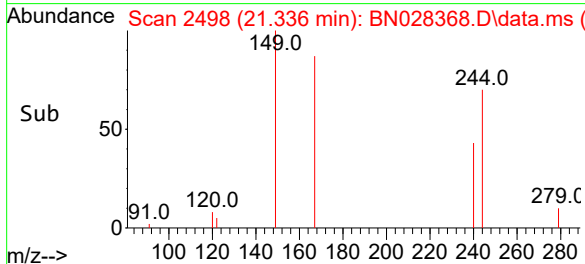
Instrument :  
BNA\_N  
ClientSampleId :  
G-1-(5-10)MSD



Tgt Ion:149 Resp: 17369  
Ion Ratio Lower Upper  
149 100  
167 25.2 22.6 34.0  
279 4.0 4.2 6.2

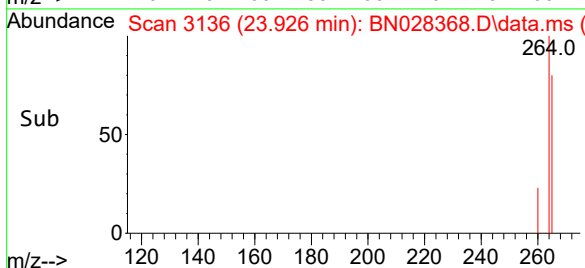
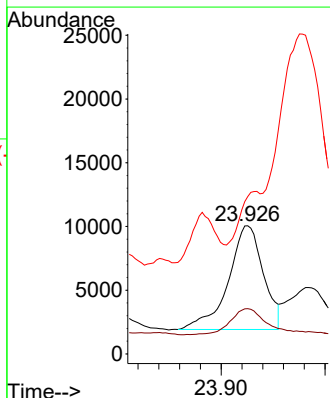
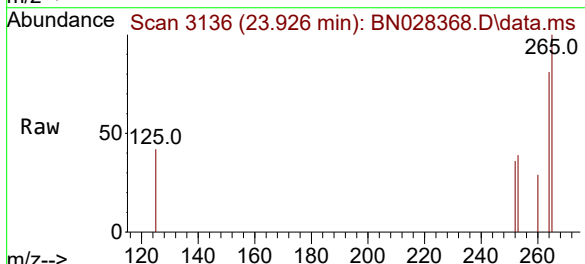
Manual Integrations  
APPROVED

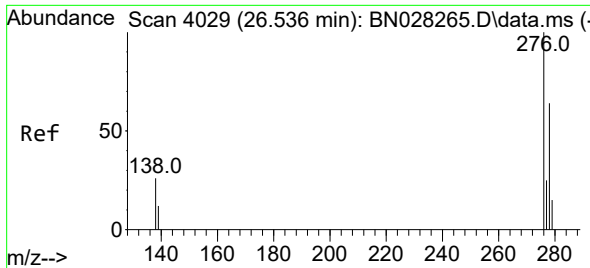
Reviewed By :Yogesh Patel 10/24/2023  
Supervised By :mohammad ahmed 10/25/2023



#35  
Perylene-d12  
Concen: 0.400 ng  
RT: 23.926 min Scan# 3136  
Delta R.T. -0.012 min  
Lab File: BN028368.D  
Acq: 24 Oct 2023 05:12

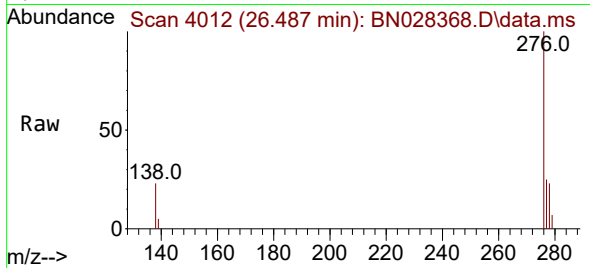
Tgt Ion:264 Resp: 19064  
Ion Ratio Lower Upper  
264 100  
260 35.4 20.7 31.1#  
265 122.8 38.3 57.5#





#36  
 Indeno(1,2,3-cd)pyrene  
 Concen: 8.334 ng  
 RT: 26.487 min Scan# 4029  
 Delta R.T. -0.017 min  
 Lab File: BN028368.D  
 Acq: 24 Oct 2023 05:12

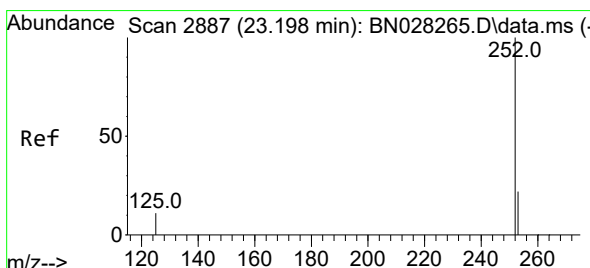
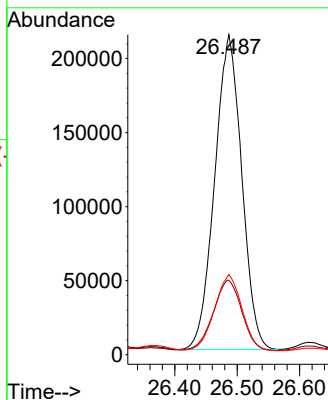
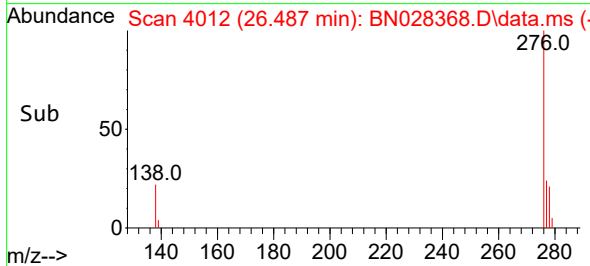
Instrument :  
 BNA\_N  
 ClientSampleId :  
 G-1-(5-10)MSD



Tgt Ion:276 Resp: 64050  
 Ion Ratio Lower Upper  
 276 100  
 138 23.5 21.3 31.9  
 277 24.5 20.0 30.0

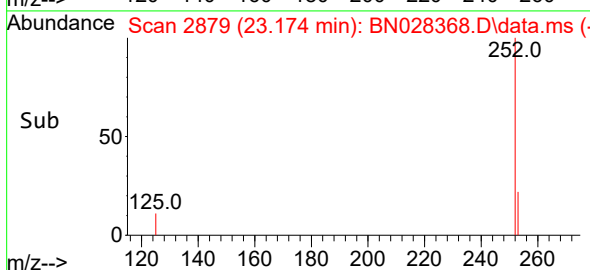
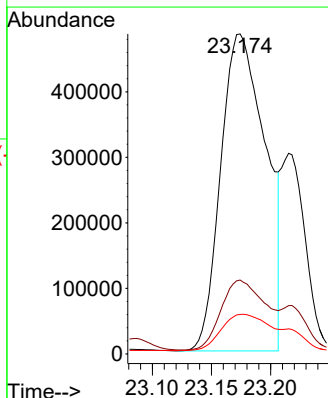
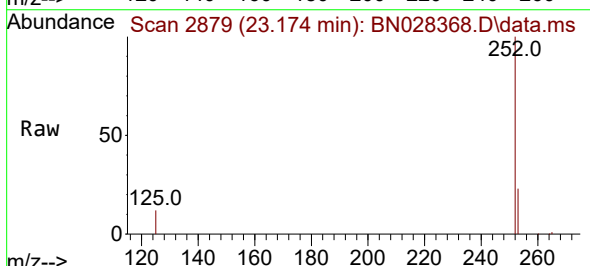
Manual Integrations  
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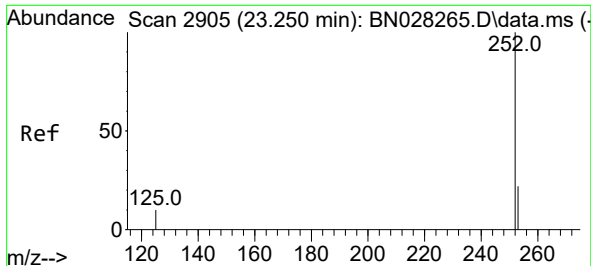
Reviewed By :Yogesh Patel 10/24/2023  
 Supervised By :mohammad ahmed 10/25/2023



#37  
 Benzo(b)fluoranthene  
 Concen: 21.412 ng  
 RT: 23.174 min Scan# 2879  
 Delta R.T. -0.003 min  
 Lab File: BN028368.D  
 Acq: 24 Oct 2023 05:12

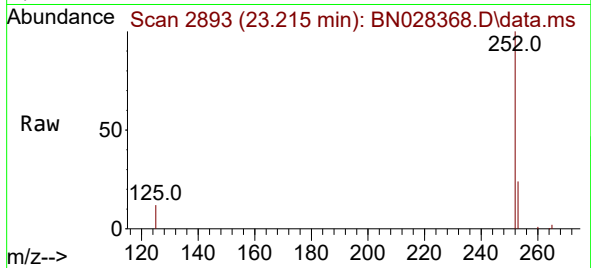
Tgt Ion:252 Resp: 1275904  
 Ion Ratio Lower Upper  
 252 100  
 253 23.1 21.8 32.8  
 125 12.4 15.6 23.4#





#38  
Benzo(k)fluoranthene  
Concen: 8.666 ng m  
RT: 23.215 min Scan# 21  
Delta R.T. -0.011 min  
Lab File: BN028368.D  
Acq: 24 Oct 2023 05:12

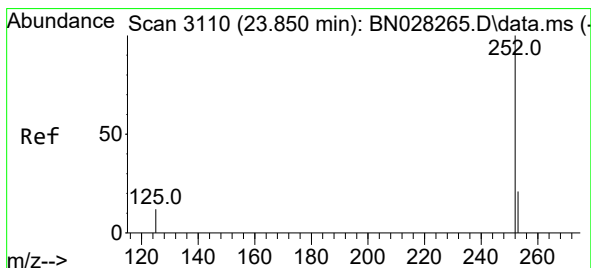
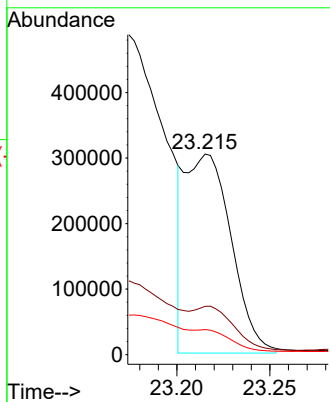
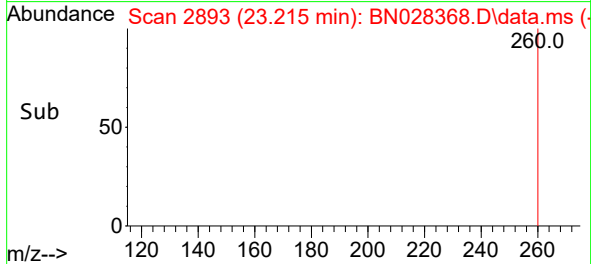
Instrument :  
BNA\_N  
ClientSampleId :  
G-1-(5-10)MSD



Tgt Ion:252 Resp: 525320  
Ion Ratio Lower Upper  
252 100  
253 24.1 22.0 33.0  
125 12.5 15.3 22.9

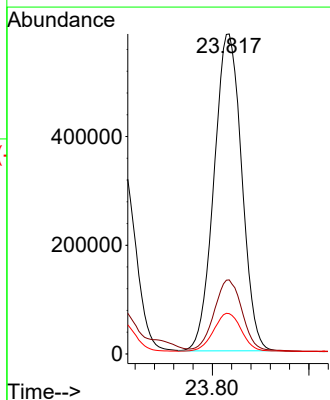
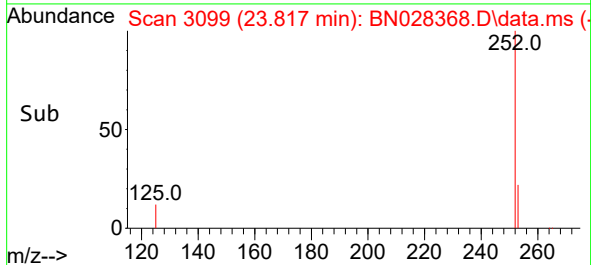
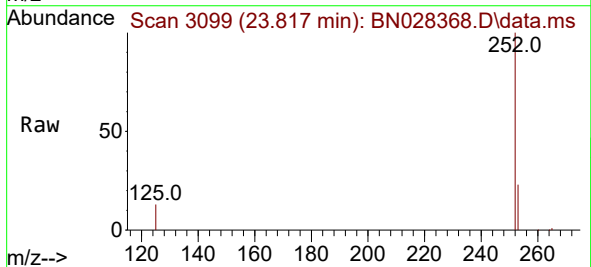
Manual Integrations  
APPROVED

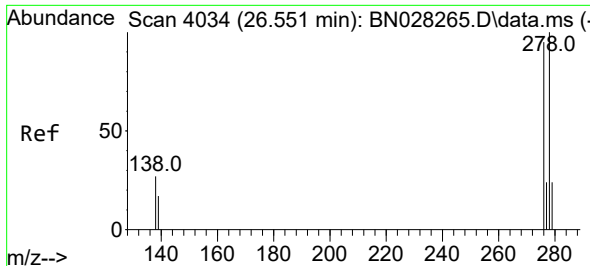
Reviewed By :Yogesh Patel 10/24/2023  
Supervised By :mohammad ahmed 10/25/2023



#39  
Benzo(a)pyrene  
Concen: 19.576 ng m  
RT: 23.817 min Scan# 3099  
Delta R.T. -0.012 min  
Lab File: BN028368.D  
Acq: 24 Oct 2023 05:12

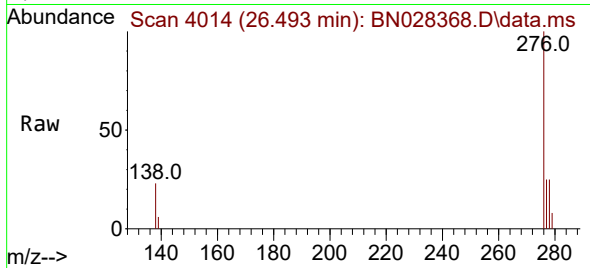
Tgt Ion:252 Resp: 1160436  
Ion Ratio Lower Upper  
252 100  
253 23.1 22.7 34.1  
125 12.6 17.0 25.6





#40  
Dibenzo(a,h)anthracene  
Concen: 3.158 ng  
RT: 26.493 min Scan# 40  
Delta R.T. -0.026 min  
Lab File: BN028368.D  
Acq: 24 Oct 2023 05:12

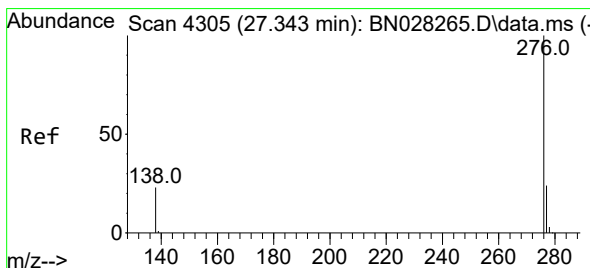
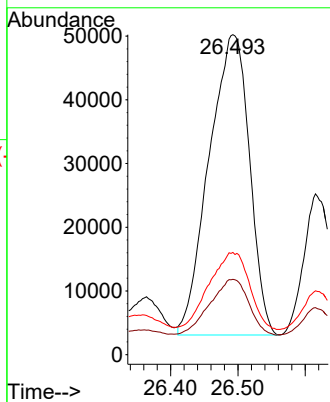
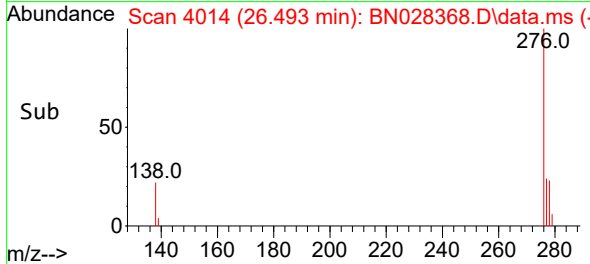
Instrument :  
BNA\_N  
ClientSampleId :  
G-1-(5-10)MSD



Tgt Ion:278 Resp: 19705  
Ion Ratio Lower Upper  
278 100  
139 23.6 18.8 28.2  
279 31.9 23.5 35.3

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 10/24/2023  
Supervised By :mohammad ahmed 10/25/2023



#41  
Benzo(g,h,i)perylene  
Concen: 10.289 ng  
RT: 27.294 min Scan# 4288  
Delta R.T. -0.012 min  
Lab File: BN028368.D  
Acq: 24 Oct 2023 05:12

Tgt Ion:276 Resp: 662820  
Ion Ratio Lower Upper  
276 100  
277 24.8 21.7 32.5  
138 24.4 21.7 32.5

