

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN011223\  
 Data File : BN023629.D  
 Acq On : 12 Jan 2023 02:55  
 Operator : CG/JU  
 Sample : 01093-01MSD  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 TT-214-IDWSO-20230109-1MSD

Quant Time: Jan 12 03:55:31 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN011223.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jan 12 00:22:07 2023  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Christian Giraldo 01/12/2023  
 Supervised By :Jagrut Upadhyay 01/12/2023

| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| -----                         |        |      |          |       |        |          |
| Internal Standards            |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.948  | 152  | 4521     | 0.400 | ng     | 0.00     |
| 7) Naphthalene-d8             | 10.765 | 136  | 13574    | 0.400 | ng     | 0.00     |
| 13) Acenaphthene-d10          | 14.591 | 164  | 7943     | 0.400 | ng     | 0.00     |
| 19) Phenanthrene-d10          | 17.340 | 188  | 17238    | 0.400 | ng     | 0.00     |
| 29) Chrysene-d12              | 21.531 | 240  | 15792    | 0.400 | ng     | 0.00     |
| 35) Perylene-d12              | 23.955 | 264  | 12313    | 0.400 | ng     | 0.00     |
|                               |        |      |          |       |        |          |
| System Monitoring Compounds   |        |      |          |       |        |          |
| 4) 2-Fluorophenol             | 5.493  | 112  | 3744     | 0.417 | ng     | 0.00     |
| 5) Phenol-d6                  | 7.111  | 99   | 4810     | 0.416 | ng     | 0.00     |
| 8) Nitrobenzene-d5            | 9.110  | 82   | 3149     | 0.308 | ng     | 0.00     |
| 11) 2-Methylnaphthalene-d10   | 12.352 | 152  | 7375m    | 0.394 | ng     | 0.00     |
| 14) 2,4,6-Tribromophenol      | 16.086 | 330  | 1037     | 0.301 | ng     | 0.00     |
| 15) 2-Fluorobiphenyl          | 13.223 | 172  | 9943     | 0.310 | ng     | 0.00     |
| 27) Fluoranthene-d10          | 19.376 | 212  | 13967    | 0.331 | ng     | 0.00     |
| 31) Terphenyl-d14             | 19.970 | 244  | 14392    | 0.360 | ng     | 0.00     |
|                               |        |      |          |       |        |          |
| Target Compounds              |        |      |          |       | Qvalue |          |
| 2) 1,4-Dioxane                | 3.333  | 88   | 1337     | 0.330 | ng     | # 68     |
| 3) n-Nitrosodimethylamine     | 3.666  | 42   | 1670     | 0.367 | ng     | # 86     |
| 6) bis(2-Chloroethyl)ether    | 7.363  | 93   | 4545     | 0.373 | ng     | 100      |
| 9) Naphthalene                | 10.808 | 128  | 12591    | 0.351 | ng     | 100      |
| 10) Hexachlorobutadiene       | 11.096 | 225  | 2409     | 0.332 | ng     | # 100    |
| 12) 2-Methylnaphthalene       | 12.424 | 142  | 9099     | 0.353 | ng     | 99       |
| 16) Acenaphthylene            | 14.314 | 152  | 9716     | 0.303 | ng     | 100      |
| 17) Acenaphthene              | 14.656 | 154  | 7611     | 0.324 | ng     | 99       |
| 18) Fluorene                  | 15.639 | 166  | 10356    | 0.328 | ng     | 98       |
| 20) 4,6-Dinitro-2-methylph... | 15.726 | 198  | 548      | 0.292 | ng     | # 91     |
| 21) 4-Bromophenyl-phenylether | 16.533 | 248  | 3650     | 0.371 | ng     | 92       |
| 22) Hexachlorobenzene         | 16.645 | 284  | 4111     | 0.335 | ng     | 100      |
| 23) Atrazine                  | 16.806 | 200  | 2261     | 0.333 | ng     | 99       |
| 24) Pentachlorophenol         | 16.992 | 266  | 1031     | 0.243 | ng     | 98       |
| 25) Phenanthrene              | 17.377 | 178  | 16925    | 0.335 | ng     | 99       |
| 26) Anthracene                | 17.477 | 178  | 13609    | 0.336 | ng     | 99       |
| 28) Fluoranthene              | 19.406 | 202  | 19831    | 0.348 | ng     | 98       |
| 30) Pyrene                    | 19.768 | 202  | 20729    | 0.343 | ng     | 100      |
| 32) Benzo(a)anthracene        | 21.513 | 228  | 18081    | 0.354 | ng     | 99       |
| 33) Chrysene                  | 21.567 | 228  | 18761    | 0.334 | ng     | 99       |
| 34) Bis(2-ethylhexyl)phtha... | 21.441 | 149  | 14685    | 0.616 | ng     | 99       |
| 36) Indeno(1,2,3-cd)pyrene    | 26.481 | 276  | 16723    | 0.303 | ng     | 100      |
| 37) Benzo(b)fluoranthene      | 23.213 | 252  | 18843    | 0.358 | ng     | 99       |
| 38) Benzo(k)fluoranthene      | 23.262 | 252  | 17217    | 0.336 | ng     | 98       |
| 39) Benzo(a)pyrene            | 23.847 | 252  | 14096    | 0.355 | ng     | 98       |
| 40) Dibenzo(a,h)anthracene    | 26.499 | 278  | 14187    | 0.321 | ng     | 99       |
| 41) Benzo(g,h,i)perylene      | 27.259 | 276  | 14918    | 0.330 | ng     | 99       |
| -----                         |        |      |          |       |        |          |

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

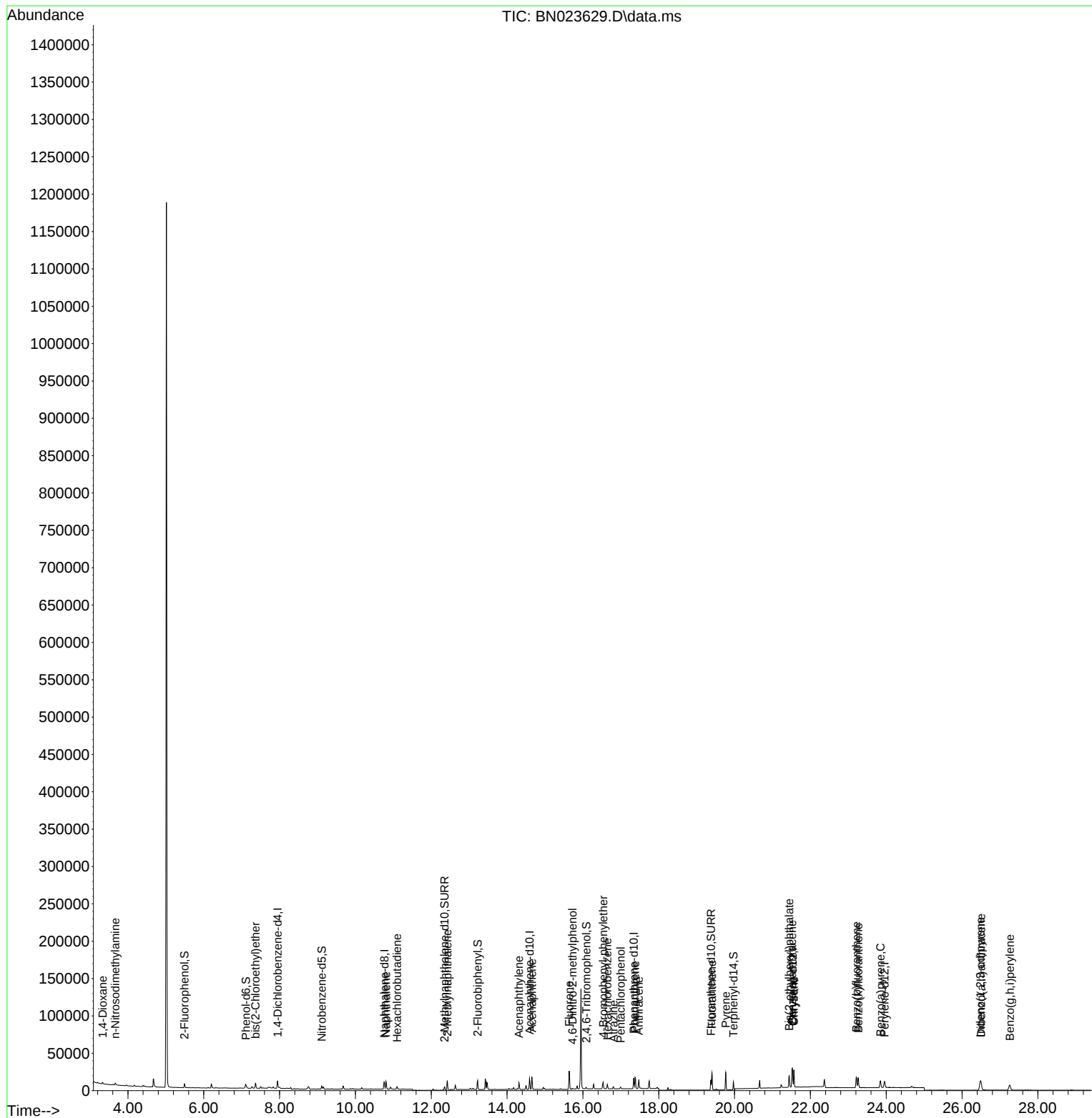
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN011223\  
Data File : BN023629.D  
Acq On : 12 Jan 2023 02:55  
Operator : CG/JU  
Sample : 01093-01MSD  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
TT-214-IDWSO-20230109-1MSD

Quant Time: Jan 12 03:55:31 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN011223.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Jan 12 00:22:07 2023  
Response via : Initial Calibration

Manual Integrations  
APPROVED

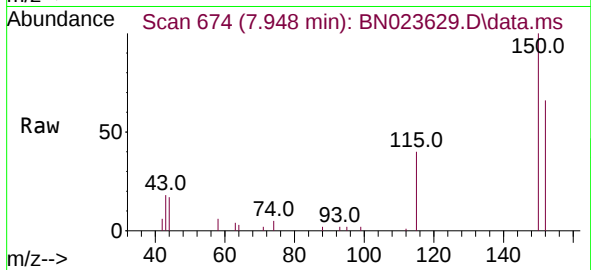
Reviewed By :Christian Giraldo 01/12/2023  
Supervised By :Jagrut Upadhyay 01/12/2023





#1  
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.948 min Scan# 61  
Delta R.T. 0.000 min  
Lab File: BN023629.D  
Acq: 12 Jan 2023 02:55

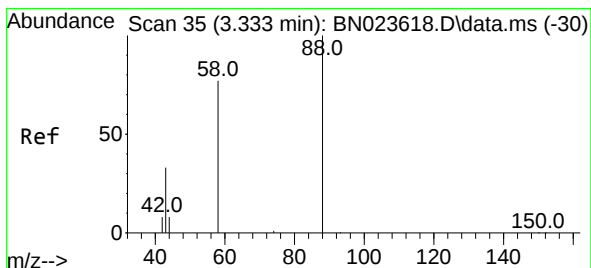
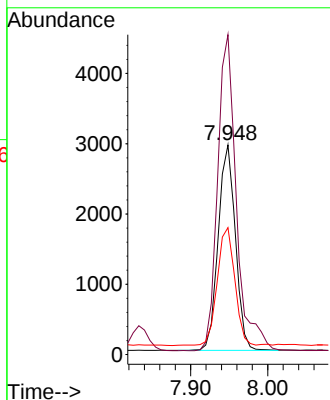
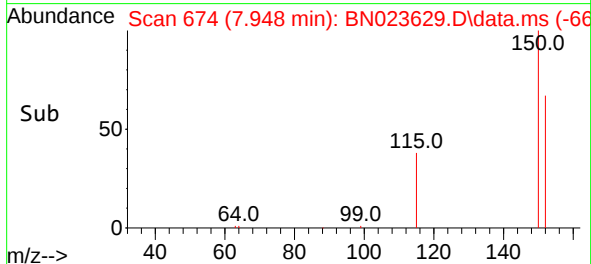
Instrument :  
BNA\_N  
ClientSampleId :  
TT-214-IDWSO-20230109-1MSD



Tgt Ion: 152 Resp: 452  
Ion Ratio Lower Upper  
152 100  
150 152.6 123.8 185.8  
115 60.5 50.6 75.8

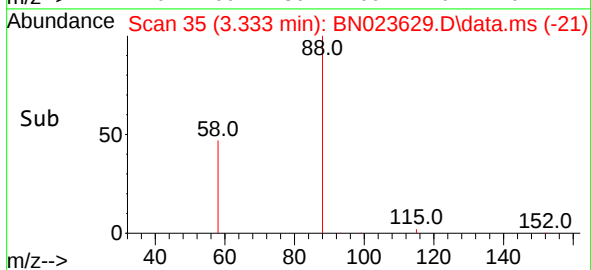
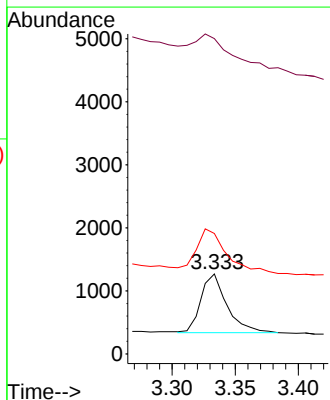
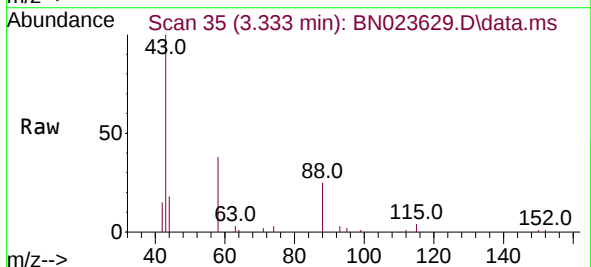
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Supervised By :Jagrut Upadhyay 01/12/2023



#2  
1,4-Dioxane  
Concen: 0.330 ng  
RT: 3.333 min Scan# 35  
Delta R.T. 0.000 min  
Lab File: BN023629.D  
Acq: 12 Jan 2023 02:55

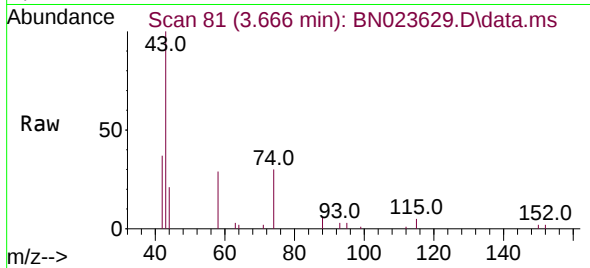
Tgt Ion: 88 Resp: 1337  
Ion Ratio Lower Upper  
88 100  
43 73.5 26.2 39.2  
58 88.4 60.6 90.8





#3  
n-Nitrosodimethylamine  
Concen: 0.367 ng  
RT: 3.666 min Scan# 81  
Delta R.T. -0.007 min  
Lab File: BN023629.D  
Acq: 12 Jan 2023 02:55

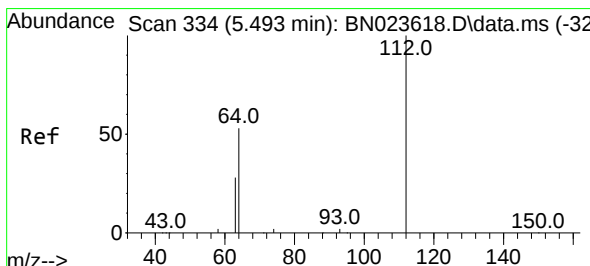
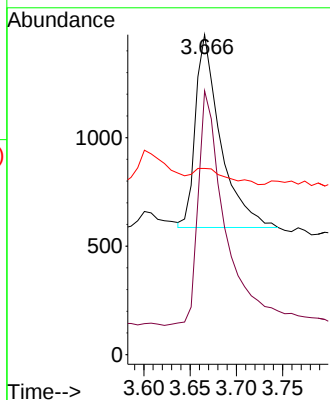
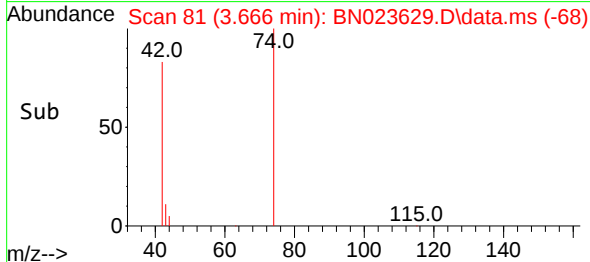
Instrument :  
BNA\_N  
ClientSampleId :  
TT-214-IDWSO-20230109-1MSD



Tgt Ion: 42 Resp: 1670  
Ion Ratio Lower Upper  
42 100  
74 130.7 92.1 138.1  
44 11.1 5.4 8.0

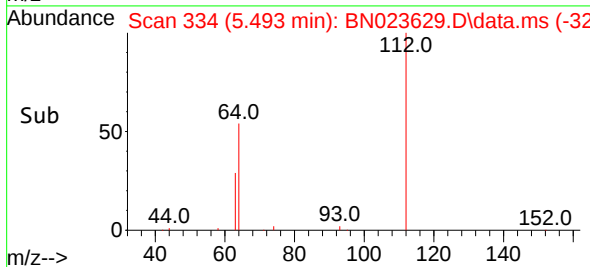
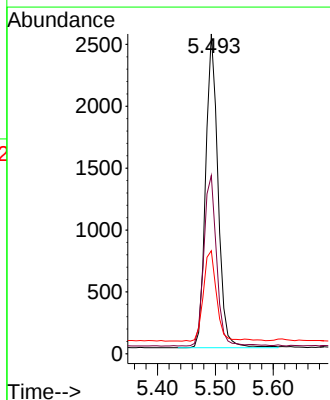
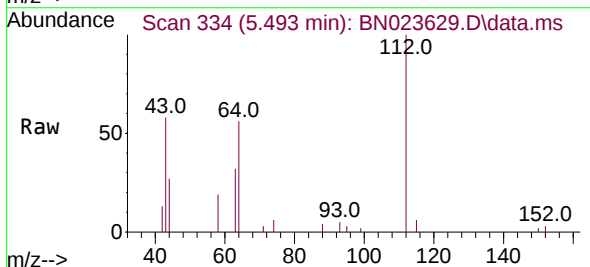
Manual Integrations  
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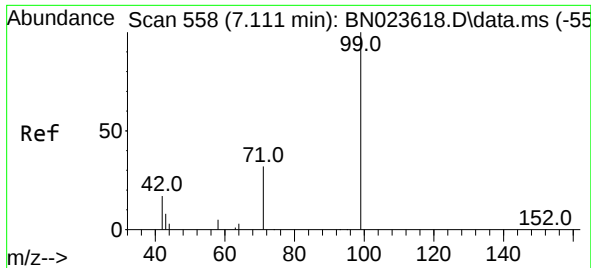
Reviewed By :Christian Giraldo 01/12/2023  
Supervised By :Jagrut Upadhyay 01/12/2023



#4  
2-Fluorophenol  
Concen: 0.417 ng  
RT: 5.493 min Scan# 334  
Delta R.T. 0.000 min  
Lab File: BN023629.D  
Acq: 12 Jan 2023 02:55

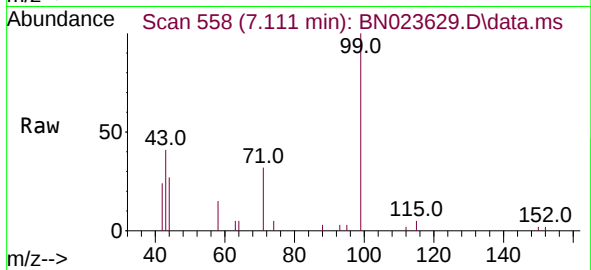
Tgt Ion:112 Resp: 3744  
Ion Ratio Lower Upper  
112 100  
64 55.7 44.9 67.3  
63 30.2 24.9 37.3





#5  
Phenol-d6  
Concen: 0.416 ng  
RT: 7.111 min Scan# 558  
Delta R.T. 0.000 min  
Lab File: BN023629.D  
Acq: 12 Jan 2023 02:55

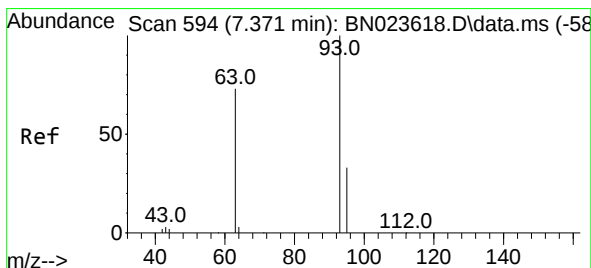
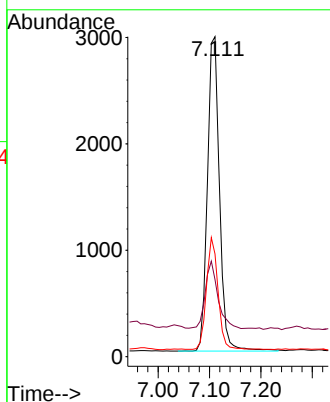
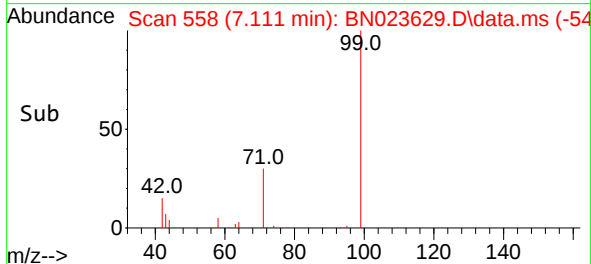
Instrument :  
BNA\_N  
ClientSampleId :  
TT-214-IDWSO-20230109-1MSD



Tgt Ion: 99 Resp: 4810  
Ion Ratio Lower Upper  
99 100  
42 22.2 18.8 28.2  
71 34.3 28.2 42.4

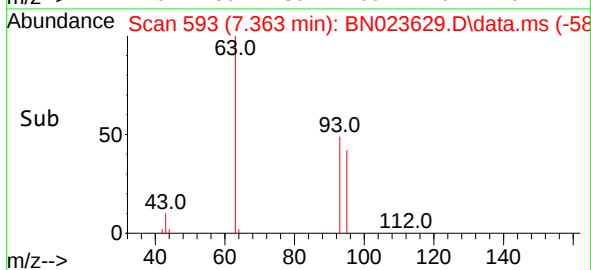
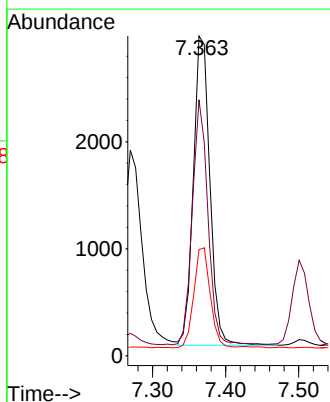
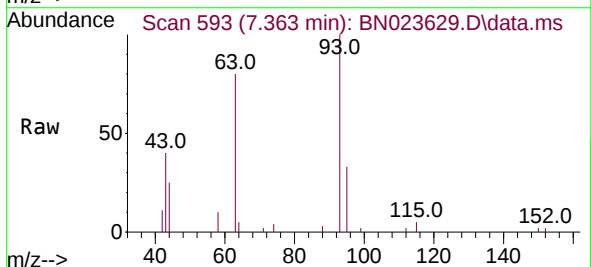
Manual Integrations  
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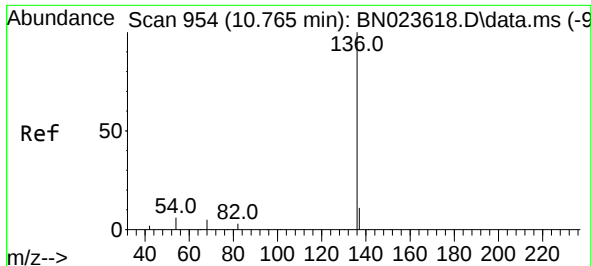
Reviewed By :Christian Giraldo 01/12/2023  
Supervised By :Jagrut Upadhyay 01/12/2023



#6  
bis(2-Chloroethyl)ether  
Concen: 0.373 ng  
RT: 7.363 min Scan# 593  
Delta R.T. -0.007 min  
Lab File: BN023629.D  
Acq: 12 Jan 2023 02:55

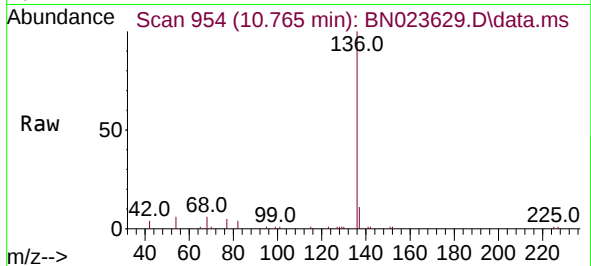
Tgt Ion: 93 Resp: 4545  
Ion Ratio Lower Upper  
93 100  
63 74.6 59.6 89.4  
95 32.2 25.3 37.9





#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.765 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: BN023629.D  
Acq: 12 Jan 2023 02:55

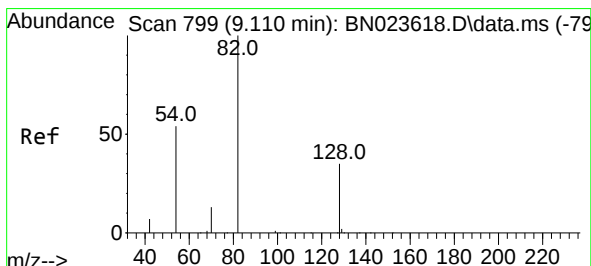
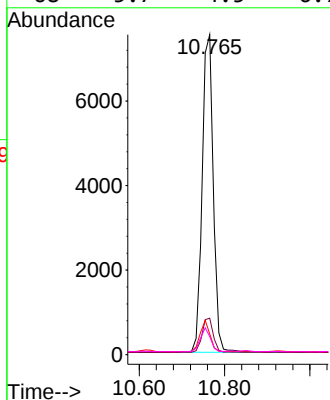
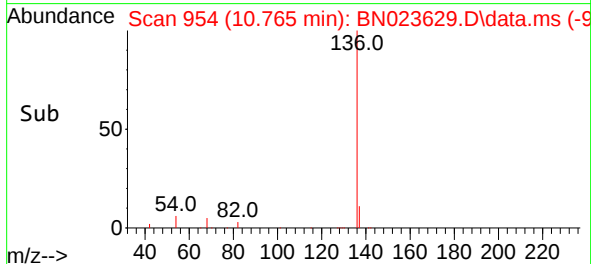
Instrument :  
BNA\_N  
ClientSampleId :  
TT-214-IDWSO-20230109-1MSD



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 136   | Resp: | 13574 |
| Ion      | Ratio | Lower | Upper |
| 136      | 100   |       |       |
| 137      | 11.4  | 9.3   | 13.9  |
| 54       | 6.5   | 5.7   | 8.5   |
| 68       | 5.7   | 4.5   | 6.7   |

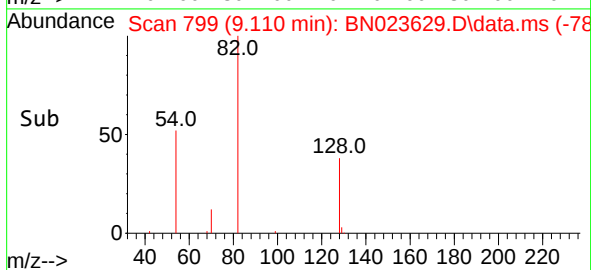
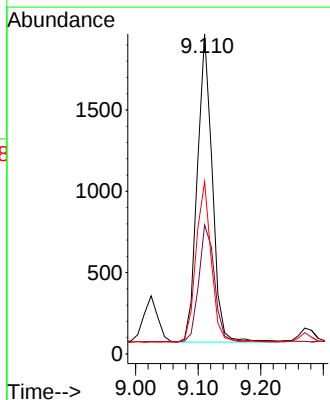
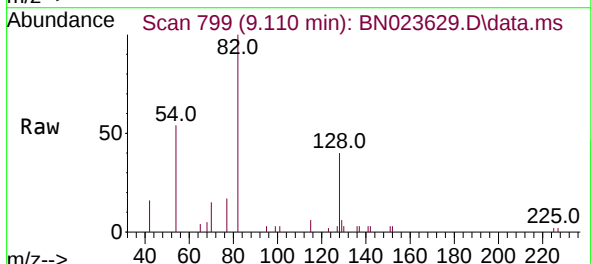
Manual Integrations  
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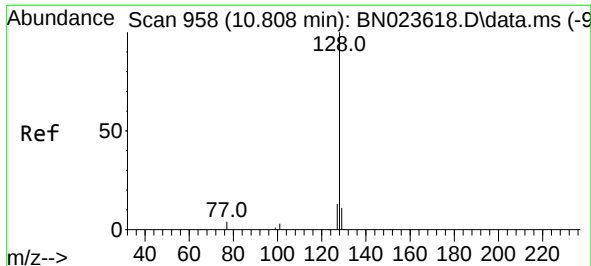
Reviewed By :Christian Giraldo 01/12/2023  
Supervised By :Jagrut Upadhyay 01/12/2023



#8  
Nitrobenzene-d5  
Concen: 0.308 ng  
RT: 9.110 min Scan# 799  
Delta R.T. 0.000 min  
Lab File: BN023629.D  
Acq: 12 Jan 2023 02:55

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 82    | Resp: | 3149  |
| Ion      | Ratio | Lower | Upper |
| 82       | 100   |       |       |
| 128      | 40.3  | 29.8  | 44.8  |
| 54       | 53.8  | 43.9  | 65.9  |





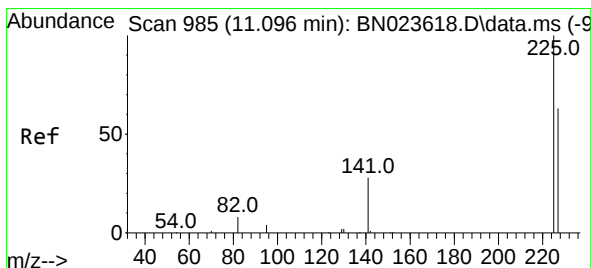
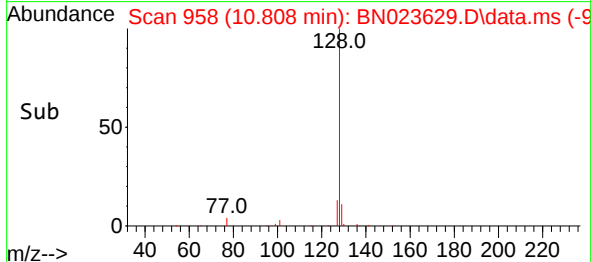
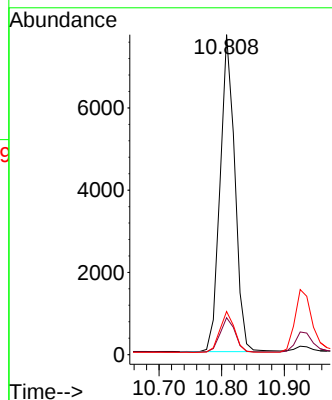
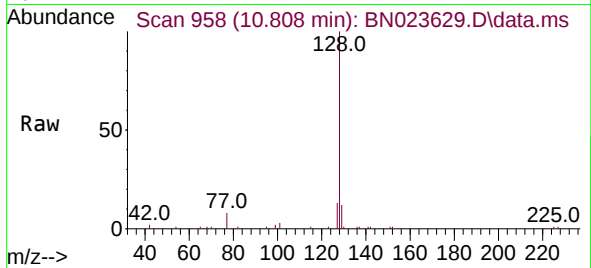
#9  
Naphthalene  
Concen: 0.351 ng  
RT: 10.808 min Scan# 958  
Delta R.T. 0.000 min  
Lab File: BN023629.D  
Acq: 12 Jan 2023 02:55

Instrument :  
BNA\_N  
ClientSampleId :  
TT-214-IDWSO-20230109-1MSD

Tgt Ion:128 Resp: 12591  
Ion Ratio Lower Upper  
128 100  
129 11.6 9.2 13.8  
127 13.5 11.0 16.4

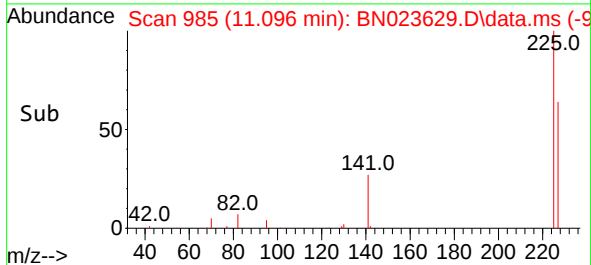
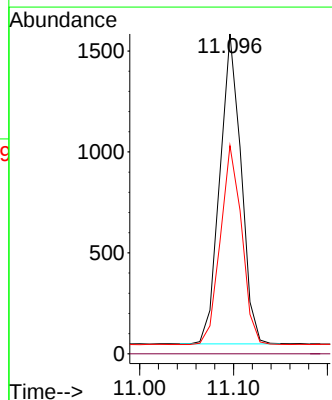
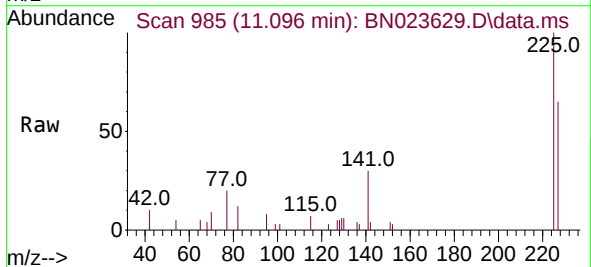
Manual Integrations  
APPROVED

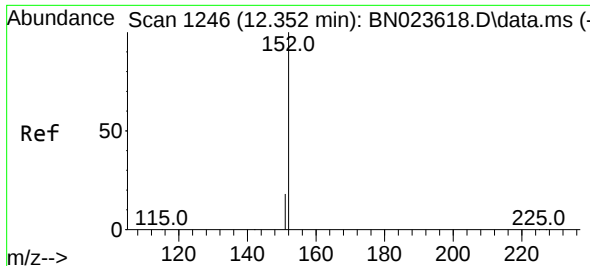
Reviewed By :Christian Giraldo 01/12/2023  
Supervised By :Jagrut Upadhyay 01/12/2023



#10  
Hexachlorobutadiene  
Concen: 0.332 ng  
RT: 11.096 min Scan# 985  
Delta R.T. 0.000 min  
Lab File: BN023629.D  
Acq: 12 Jan 2023 02:55

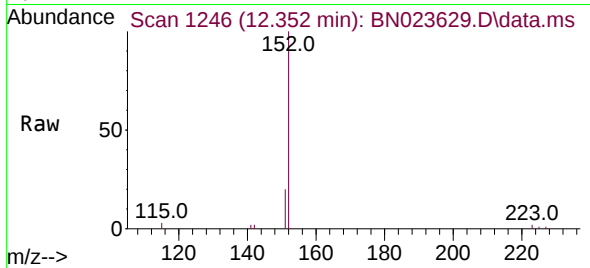
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Ion Ratio Lower Upper  
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227 64.3 51.8 77.6





#11  
2-Methylnaphthalene-d10  
Concen: 0.394 ng m  
RT: 12.352 min Scan# 1246  
Delta R.T. 0.000 min  
Lab File: BN023629.D  
Acq: 12 Jan 2023 02:55

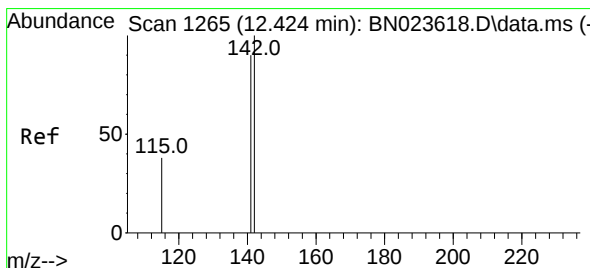
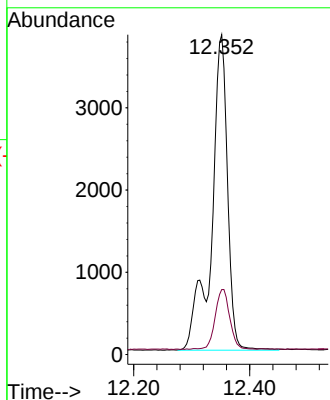
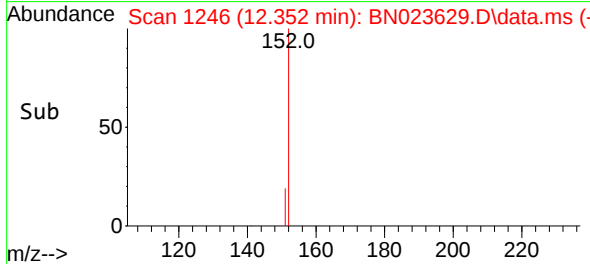
Instrument :  
BNA\_N  
ClientSampleId :  
TT-214-IDWSO-20230109-1MSD



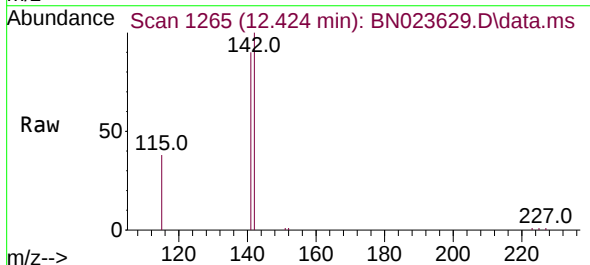
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Ion Ratio Lower Upper  
152 100  
151 17.2 16.9 25.3

Manual Integrations  
APPROVED

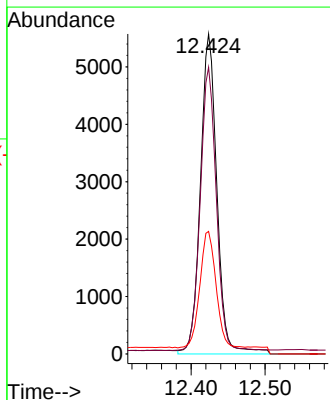
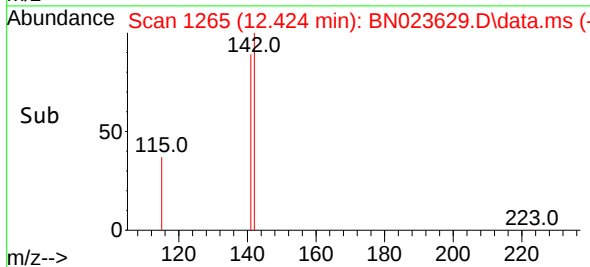
Reviewed By :Christian Giraldo 01/12/2023  
Supervised By :Jagrut Upadhyay 01/12/2023

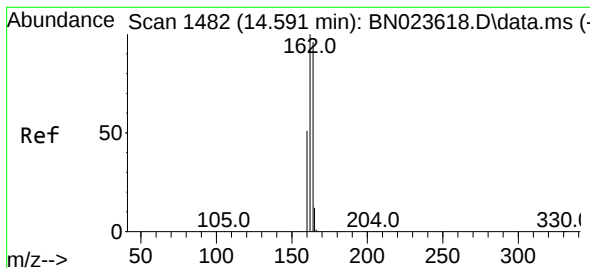


#12  
2-Methylnaphthalene  
Concen: 0.353 ng  
RT: 12.424 min Scan# 1265  
Delta R.T. 0.000 min  
Lab File: BN023629.D  
Acq: 12 Jan 2023 02:55



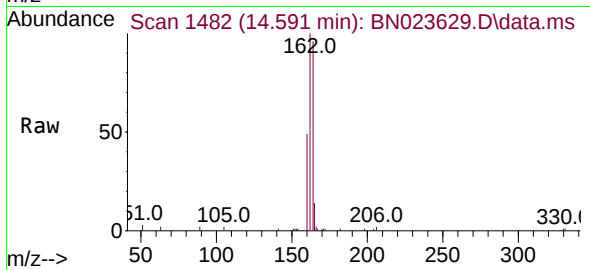
Tgt Ion:142 Resp: 9099  
Ion Ratio Lower Upper  
142 100  
141 89.6 72.0 108.0  
115 38.3 31.7 47.5





#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.591 min Scan# 1482  
Delta R.T. 0.000 min  
Lab File: BN023629.D  
Acq: 12 Jan 2023 02:55

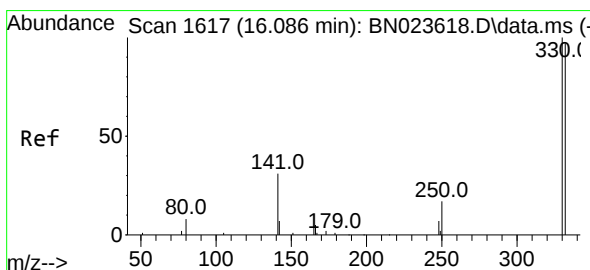
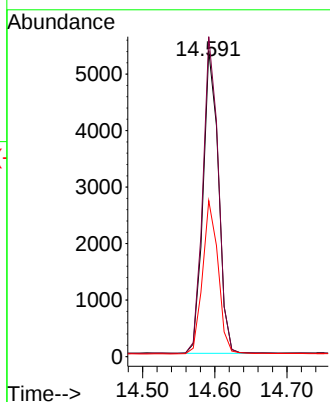
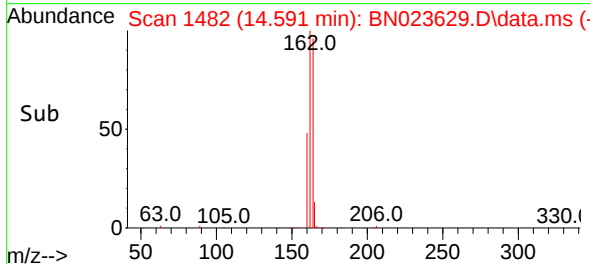
Instrument :  
BNA\_N  
ClientSampleId :  
TT-214-IDWSO-20230109-1MSD



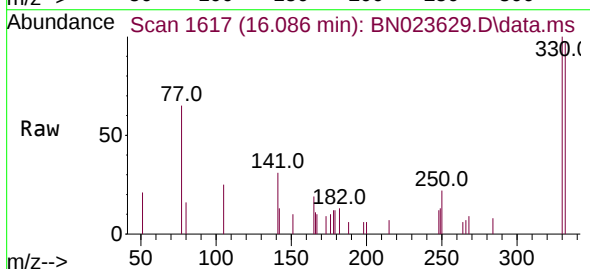
Tgt Ion:164 Resp: 7943  
Ion Ratio Lower Upper  
164 100  
162 104.6 83.4 125.2  
160 51.0 42.7 64.1

Manual Integrations  
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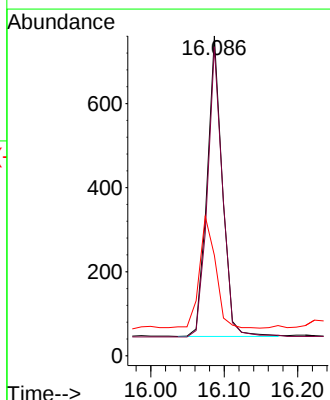
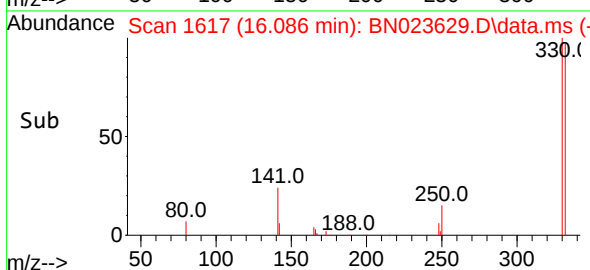
Reviewed By :Christian Giraldo 01/12/2023  
Supervised By :Jagrut Upadhyay 01/12/2023

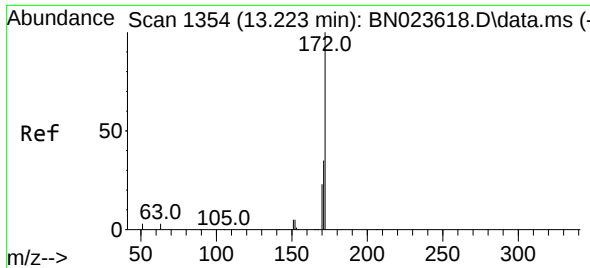


#14  
2,4,6-Tribromophenol  
Concen: 0.301 ng  
RT: 16.086 min Scan# 1617  
Delta R.T. 0.000 min  
Lab File: BN023629.D  
Acq: 12 Jan 2023 02:55



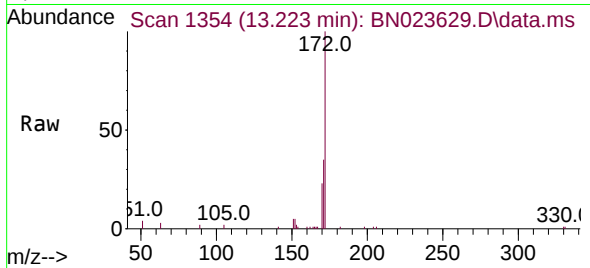
Tgt Ion:330 Resp: 1037  
Ion Ratio Lower Upper  
330 100  
332 96.0 78.1 117.1  
141 39.0 33.4 50.0





#15  
2-Fluorobiphenyl  
Concen: 0.310 ng  
RT: 13.223 min Scan# 1354  
Delta R.T. 0.000 min  
Lab File: BN023629.D  
Acq: 12 Jan 2023 02:55

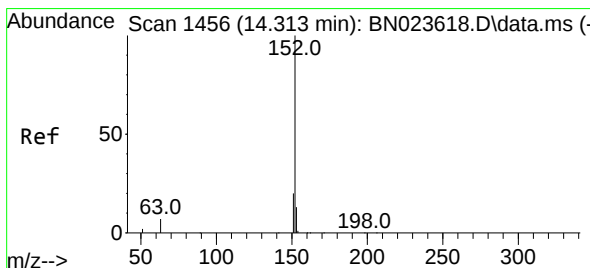
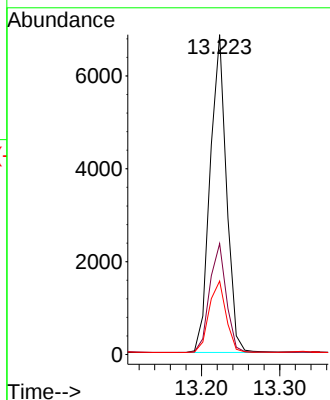
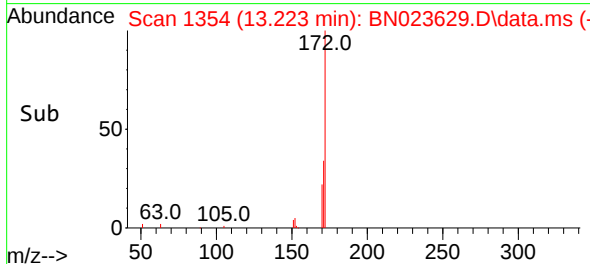
Instrument :  
BNA\_N  
ClientSampleId :  
TT-214-IDWSO-20230109-1MSD



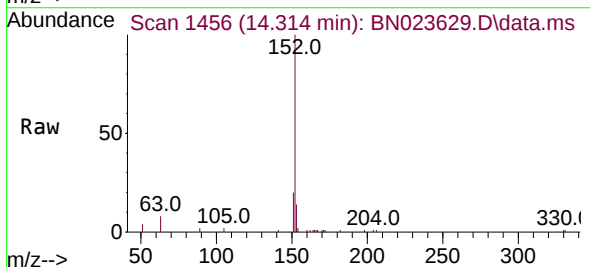
Tgt Ion:172 Resp: 9943  
Ion Ratio Lower Upper  
172 100  
171 34.7 28.0 42.0  
170 23.0 19.0 28.4

Manual Integrations  
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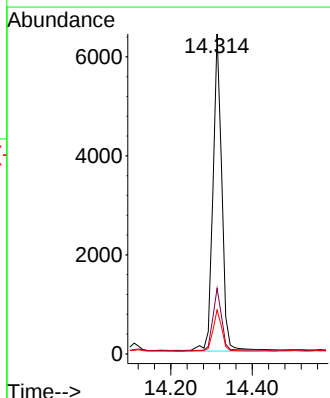
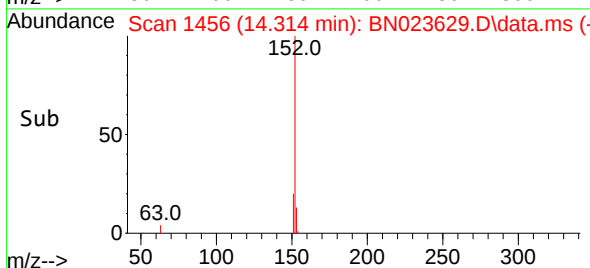
Reviewed By :Christian Giraldo 01/12/2023  
Supervised By :Jagrut Upadhyay 01/12/2023

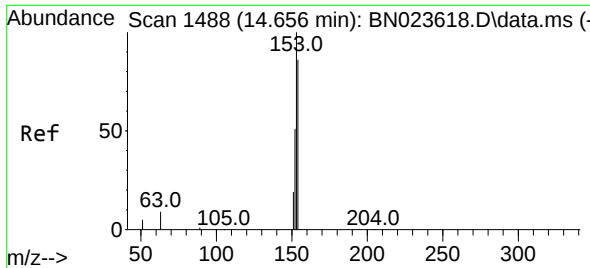


#16  
Acenaphthylene  
Concen: 0.303 ng  
RT: 14.314 min Scan# 1456  
Delta R.T. 0.000 min  
Lab File: BN023629.D  
Acq: 12 Jan 2023 02:55



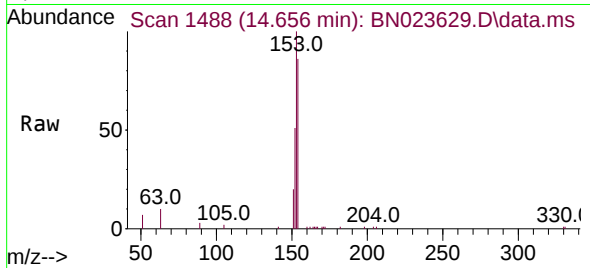
Tgt Ion:152 Resp: 9716  
Ion Ratio Lower Upper  
152 100  
151 19.4 15.6 23.4  
153 13.1 10.5 15.7





#17  
Acenaphthene  
Concen: 0.324 ng  
RT: 14.656 min Scan# 1488  
Delta R.T. 0.000 min  
Lab File: BN023629.D  
Acq: 12 Jan 2023 02:55

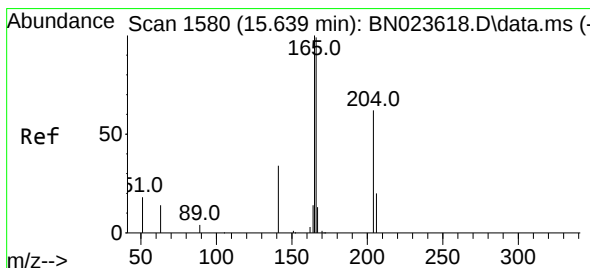
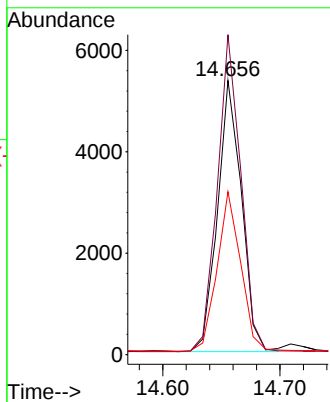
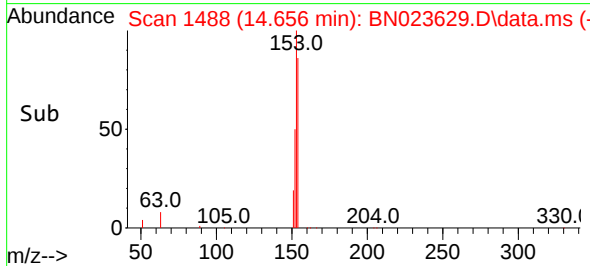
Instrument :  
BNA\_N  
ClientSampleId :  
TT-214-IDWSO-20230109-1MSD



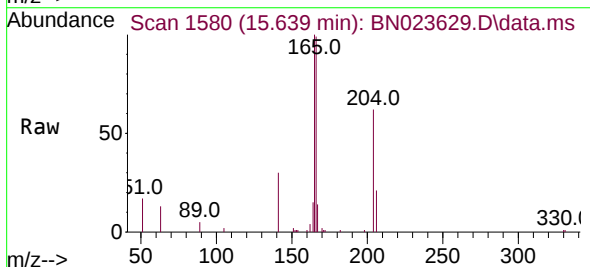
Tgt Ion:154 Resp: 7611  
Ion Ratio Lower Upper  
154 100  
153 114.7 92.4 138.6  
152 58.4 48.2 72.2

Manual Integrations  
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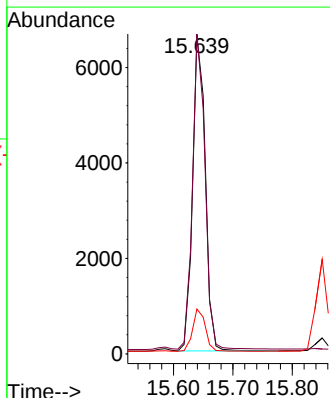
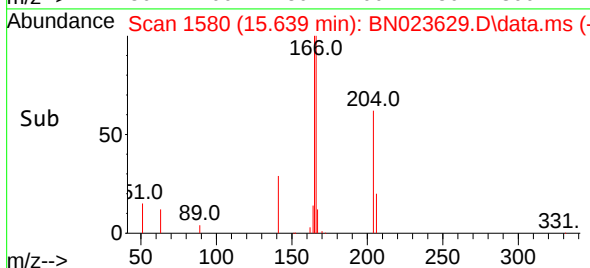
Reviewed By :Christian Giraldo 01/12/2023  
Supervised By :Jagrut Upadhyay 01/12/2023

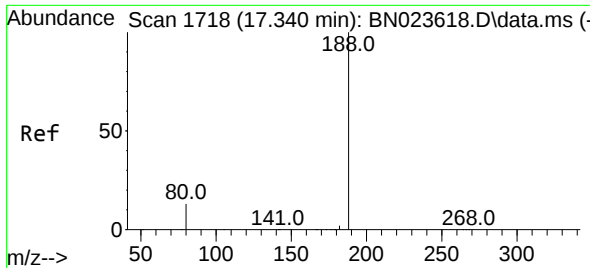


#18  
Fluorene  
Concen: 0.328 ng  
RT: 15.639 min Scan# 1580  
Delta R.T. 0.000 min  
Lab File: BN023629.D  
Acq: 12 Jan 2023 02:55



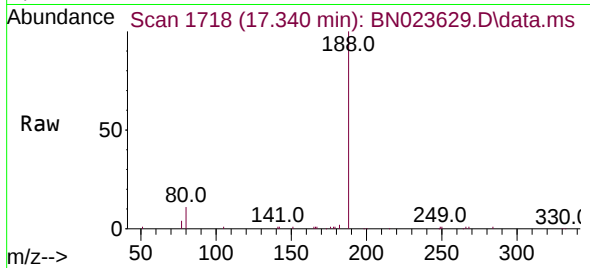
Tgt Ion:166 Resp: 10356  
Ion Ratio Lower Upper  
166 100  
165 98.2 80.4 120.6  
167 13.3 10.6 16.0





#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.340 min Scan# 1718  
Delta R.T. 0.000 min  
Lab File: BN023629.D  
Acq: 12 Jan 2023 02:55

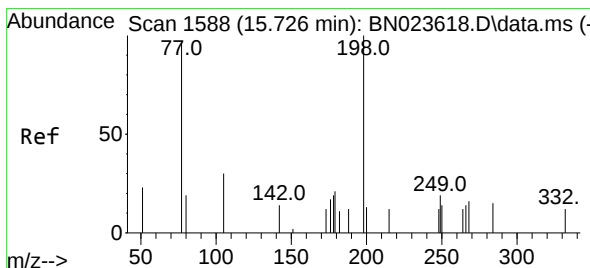
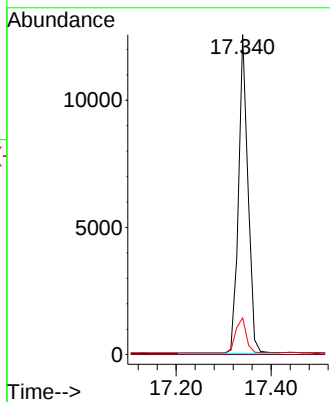
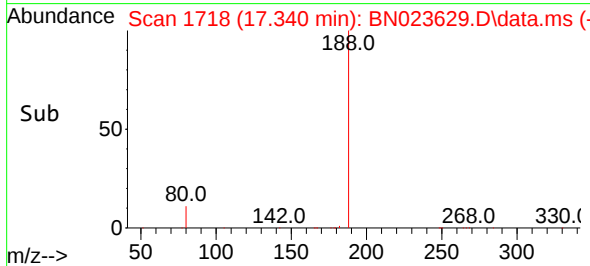
Instrument :  
BNA\_N  
ClientSampleId :  
TT-214-IDWSO-20230109-1MSD



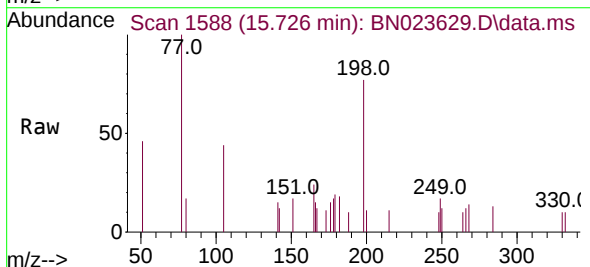
Tgt Ion:188 Resp: 17238  
Ion Ratio Lower Upper  
188 100  
94 0.0 0.0 0.0  
80 11.5 11.0 16.4

Manual Integrations  
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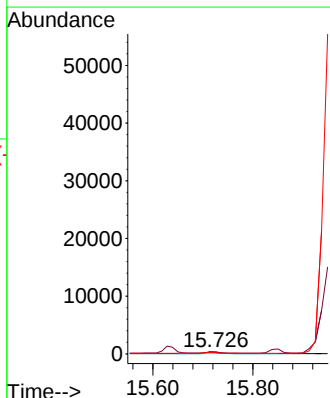
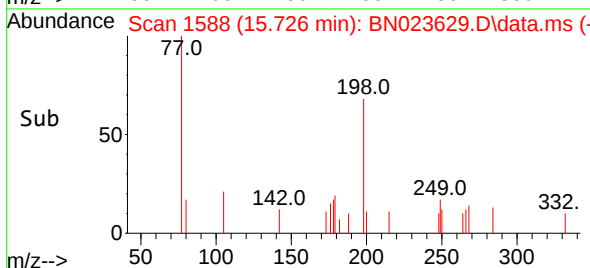
Reviewed By :Christian Giraldo 01/12/2023  
Supervised By :Jagrut Upadhyay 01/12/2023

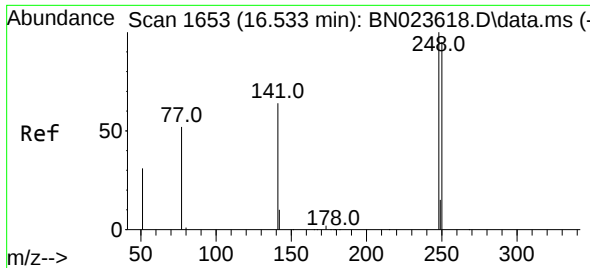


#20  
4,6-Dinitro-2-methylphenol  
Concen: 0.292 ng  
RT: 15.726 min Scan# 1588  
Delta R.T. 0.000 min  
Lab File: BN023629.D  
Acq: 12 Jan 2023 02:55



Tgt Ion:198 Resp: 548  
Ion Ratio Lower Upper  
198 100  
51 59.6 44.9 67.3  
105 56.2 37.0 55.4#





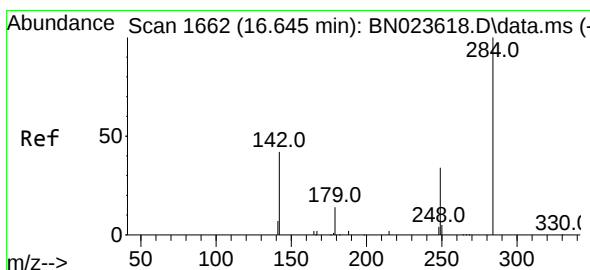
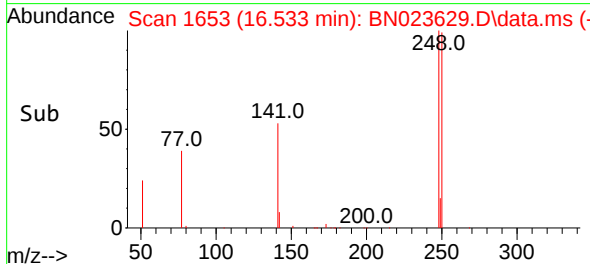
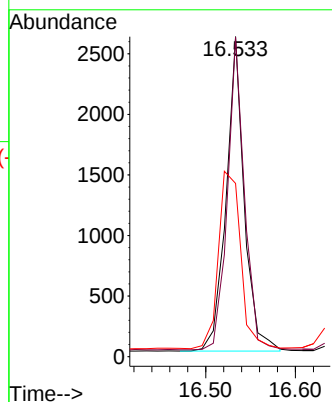
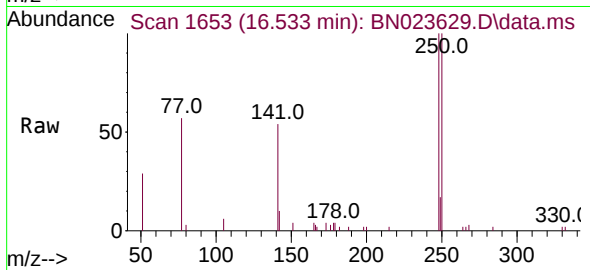
#21  
4-Bromophenyl-phenylether  
Concen: 0.371 ng  
RT: 16.533 min Scan# 1653  
Delta R.T. 0.000 min  
Lab File: BN023629.D  
Acq: 12 Jan 2023 02:55

Instrument :  
BNA\_N  
ClientSampleId :  
TT-214-IDWSO-20230109-1MSD

Tgt Ion:248 Resp: 3650  
Ion Ratio Lower Upper  
248 100  
250 99.7 76.6 114.8  
141 54.1 52.3 78.5

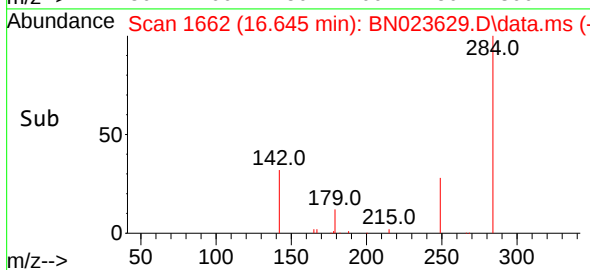
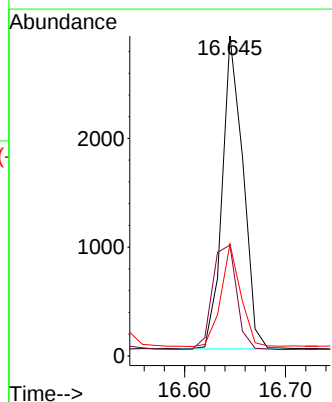
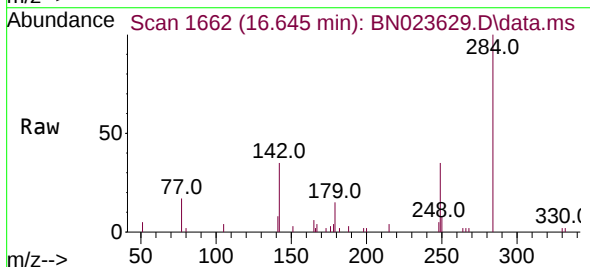
Manual Integrations  
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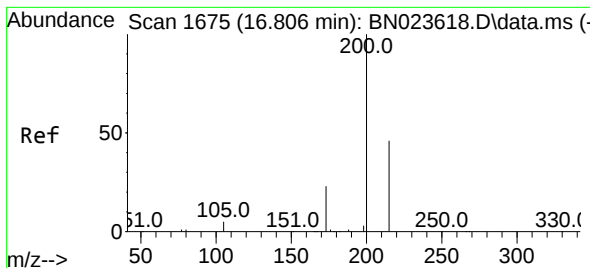
Reviewed By :Christian Giraldo 01/12/2023  
Supervised By :Jagrut Upadhyay 01/12/2023



#22  
Hexachlorobenzene  
Concen: 0.335 ng  
RT: 16.645 min Scan# 1662  
Delta R.T. 0.000 min  
Lab File: BN023629.D  
Acq: 12 Jan 2023 02:55

Tgt Ion:284 Resp: 4111  
Ion Ratio Lower Upper  
284 100  
142 39.0 31.4 47.2  
249 31.1 24.9 37.3





#23

Atrazine

Concen: 0.333 ng

RT: 16.806 min Scan# 1675

Delta R.T. 0.000 min

Lab File: BN023629.D

Acq: 12 Jan 2023 02:55

Instrument :

BNA\_N

ClientSampleId :

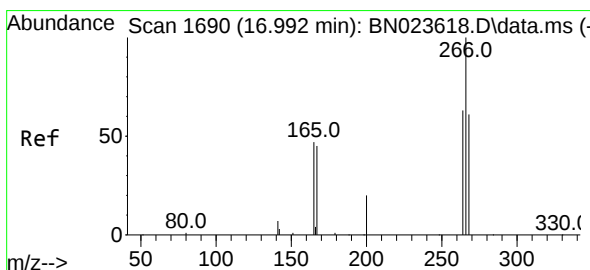
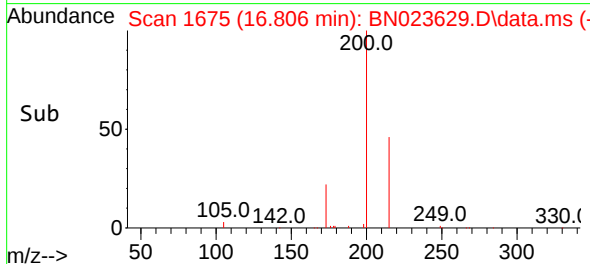
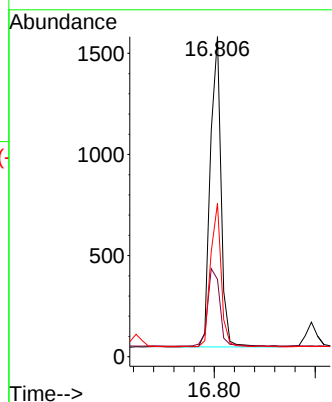
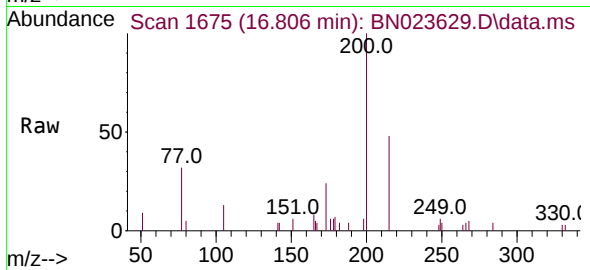
TT-214-IDWSO-20230109-1MSD

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 200   | Resp: | 226  |
| Ion Ratio | Lower | Upper |      |
| 200       | 100   |       |      |
| 173       | 24.2  | 20.4  | 30.6 |
| 215       | 47.9  | 38.1  | 57.1 |

### Manual Integrations

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Reviewed By :Christian Giraldo 01/12/2023  
Supervised By :Jagrut Upadhyay 01/12/2023



#24

Pentachlorophenol

Concen: 0.243 ng

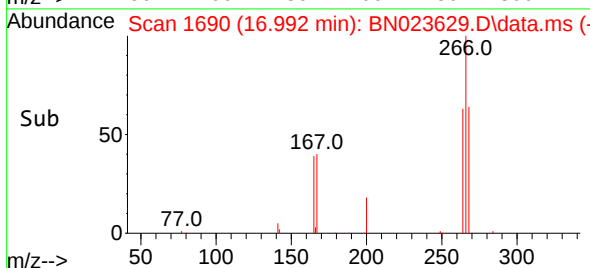
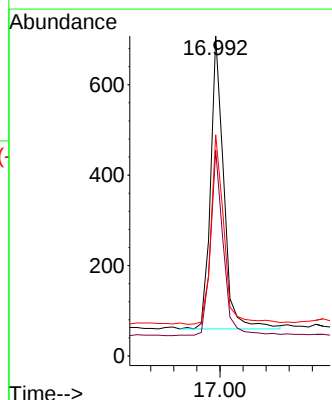
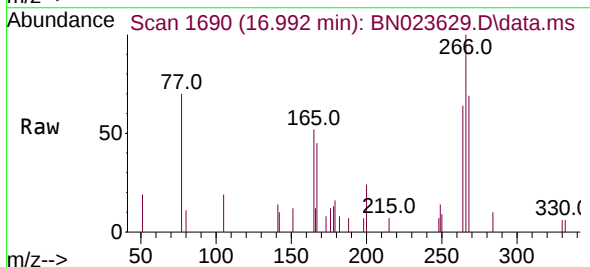
RT: 16.992 min Scan# 1690

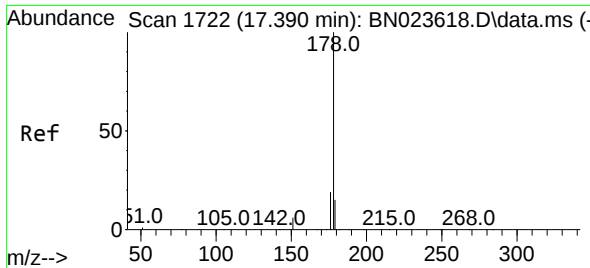
Delta R.T. 0.000 min

Lab File: BN023629.D

Acq: 12 Jan 2023 02:55

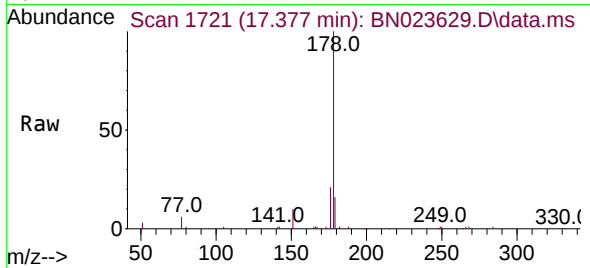
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 266   | Resp: | 1031 |
| Ion Ratio | Lower | Upper |      |
| 266       | 100   |       |      |
| 264       | 62.5  | 49.7  | 74.5 |
| 268       | 64.5  | 49.3  | 73.9 |





#25  
Phenanthrene  
Concen: 0.335 ng  
RT: 17.377 min Scan# 1721  
Delta R.T. -0.012 min  
Lab File: BN023629.D  
Acq: 12 Jan 2023 02:55

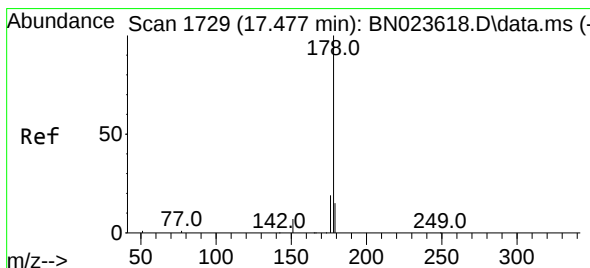
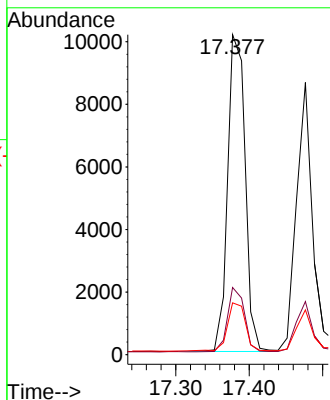
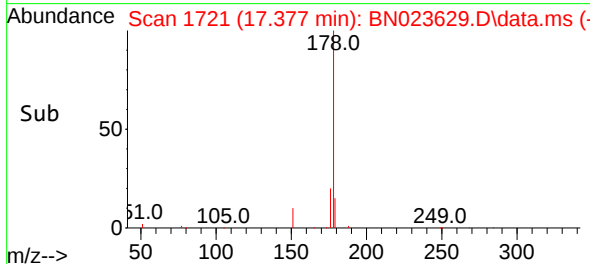
Instrument :  
BNA\_N  
ClientSampleId :  
TT-214-IDWSO-20230109-1MSD



Tgt Ion:178 Resp: 16925  
Ion Ratio Lower Upper  
178 100  
176 19.6 15.9 23.9  
179 15.8 12.5 18.7

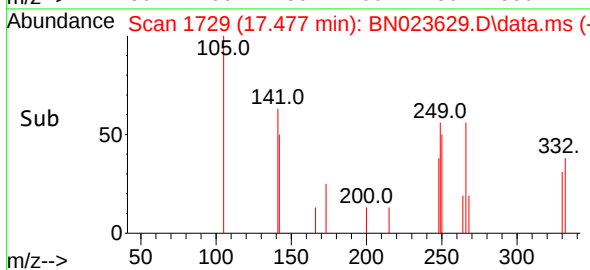
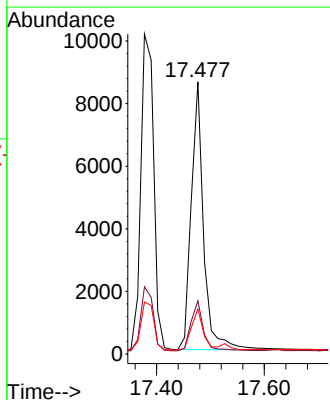
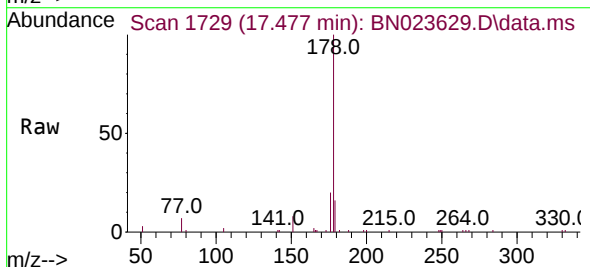
Manual Integrations  
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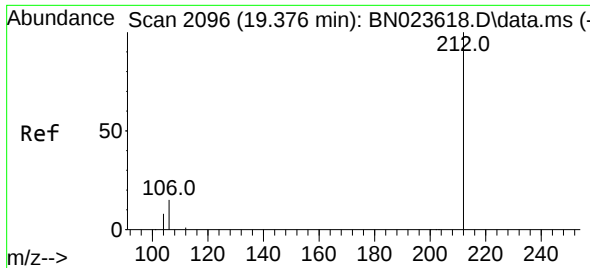
Reviewed By :Christian Giraldo 01/12/2023  
Supervised By :Jagrut Upadhyay 01/12/2023



#26  
Anthracene  
Concen: 0.336 ng  
RT: 17.477 min Scan# 1729  
Delta R.T. 0.000 min  
Lab File: BN023629.D  
Acq: 12 Jan 2023 02:55

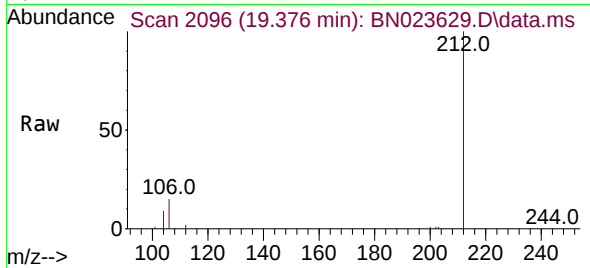
Tgt Ion:178 Resp: 13609  
Ion Ratio Lower Upper  
178 100  
176 18.6 15.1 22.7  
179 14.7 12.2 18.2





#27  
Fluoranthene-d10  
Concen: 0.331 ng  
RT: 19.376 min Scan# 2096  
Delta R.T. 0.000 min  
Lab File: BN023629.D  
Acq: 12 Jan 2023 02:55

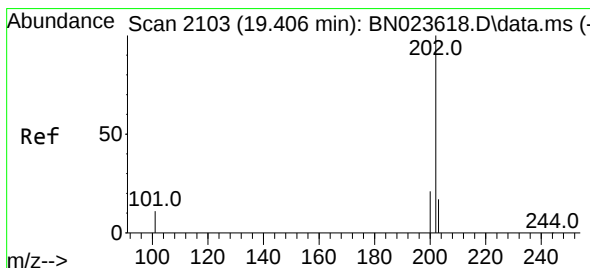
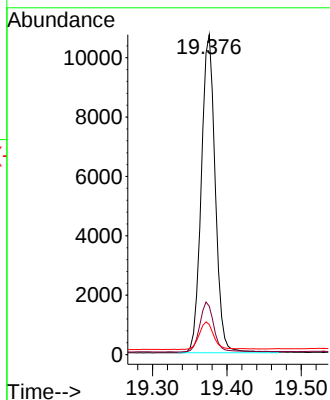
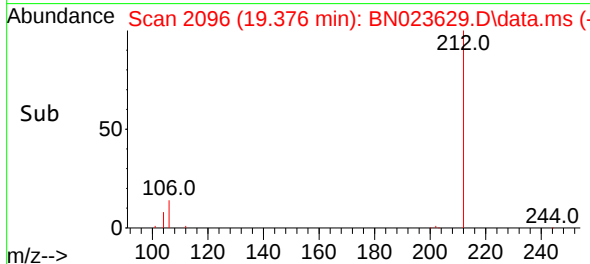
Instrument :  
BNA\_N  
ClientSampleId :  
TT-214-IDWSO-20230109-1MSD



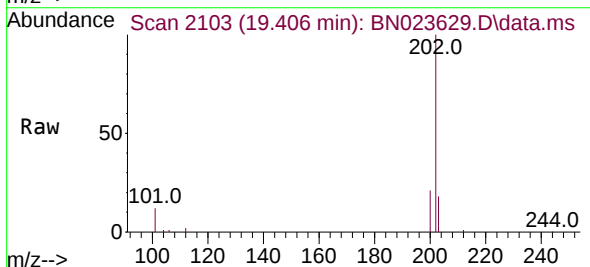
Tgt Ion:212 Resp: 13962  
Ion Ratio Lower Upper  
212 100  
106 15.9 12.2 18.4  
104 9.0 7.1 10.7

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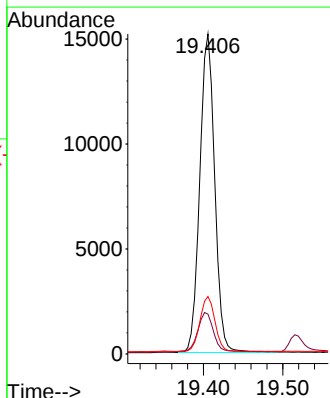
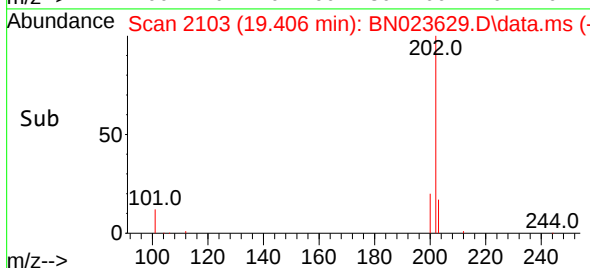
Reviewed By :Christian Giraldo 01/12/2023  
Supervised By :Jagrut Upadhyay 01/12/2023

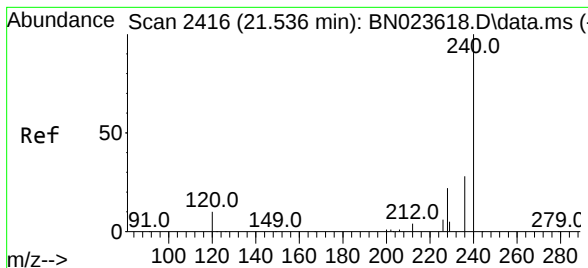


#28  
Fluoranthene  
Concen: 0.348 ng  
RT: 19.406 min Scan# 2103  
Delta R.T. 0.000 min  
Lab File: BN023629.D  
Acq: 12 Jan 2023 02:55



Tgt Ion:202 Resp: 19831  
Ion Ratio Lower Upper  
202 100  
101 13.6 9.7 14.5  
203 17.3 13.8 20.6





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.531 min Scan# 2416

Delta R.T. -0.005 min

Lab File: BN023629.D

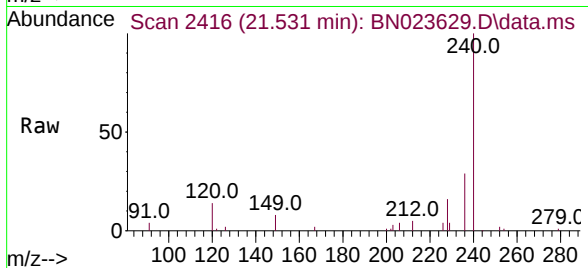
Acq: 12 Jan 2023 02:55

Instrument :

BNA\_N

ClientSampleId :

TT-214-IDWSO-20230109-1MSD

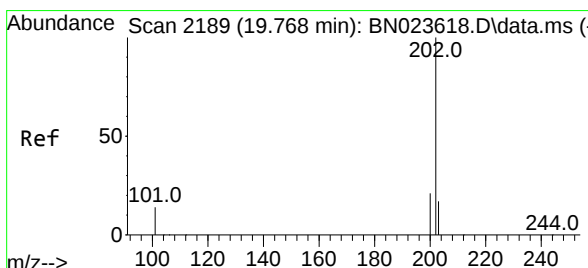
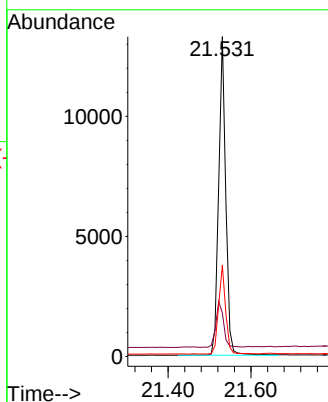
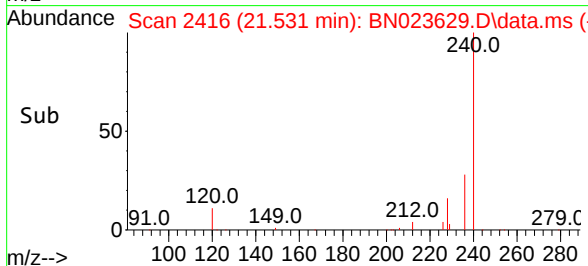


|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 240   | Resp: | 15792 |
| Ion Ratio | Lower | Upper |       |
| 240       | 100   |       |       |
| 120       | 13.6  | 10.6  | 15.8  |
| 236       | 28.5  | 23.0  | 34.6  |

Manual Integrations

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Reviewed By :Christian Giraldo 01/12/2023  
Supervised By :Jagrut Upadhyay 01/12/2023



#30

Pyrene

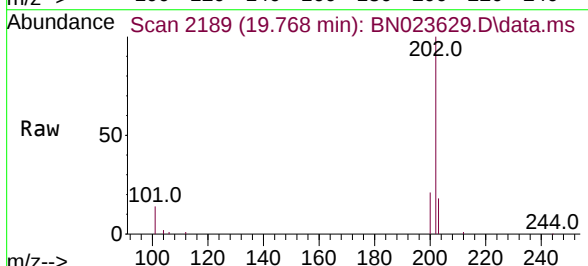
Concen: 0.343 ng

RT: 19.768 min Scan# 2189

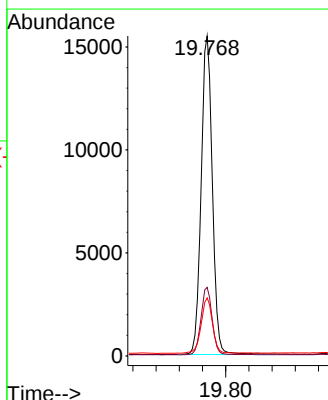
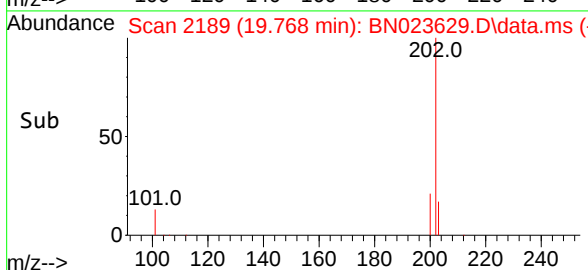
Delta R.T. 0.000 min

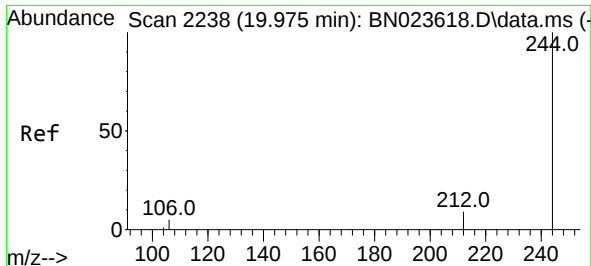
Lab File: BN023629.D

Acq: 12 Jan 2023 02:55



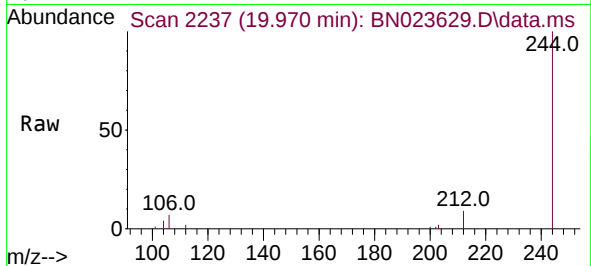
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 202   | Resp: | 20729 |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 200       | 21.1  | 17.0  | 25.4  |
| 203       | 17.6  | 14.2  | 21.2  |





#31  
Terphenyl-d14  
Concen: 0.360 ng  
RT: 19.970 min Scan# 21  
Delta R.T. -0.004 min  
Lab File: BN023629.D  
Acq: 12 Jan 2023 02:55

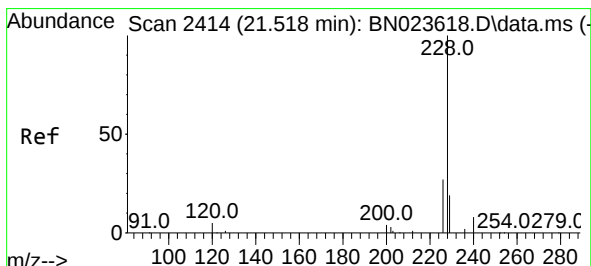
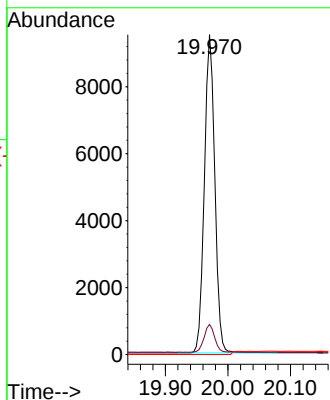
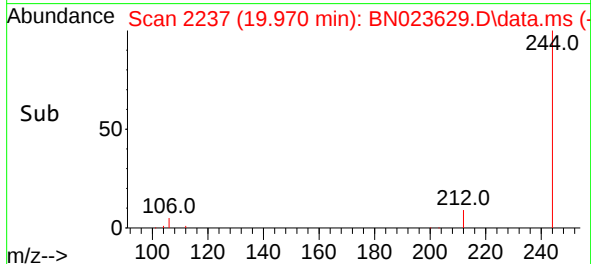
Instrument :  
BNA\_N  
ClientSampleId :  
TT-214-IDWSO-20230109-1MSD



Tgt Ion:244 Resp: 14392  
Ion Ratio Lower Upper  
244 100  
212 9.4 7.5 11.3  
122 0.0 0.0 0.0

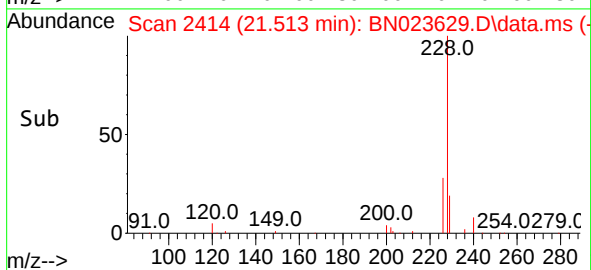
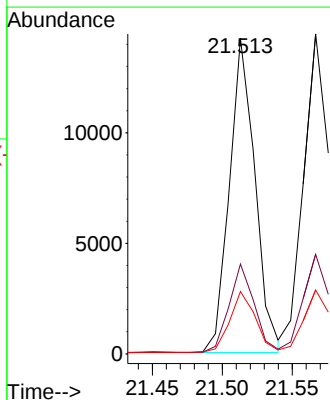
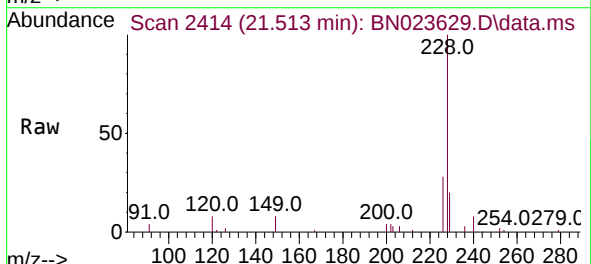
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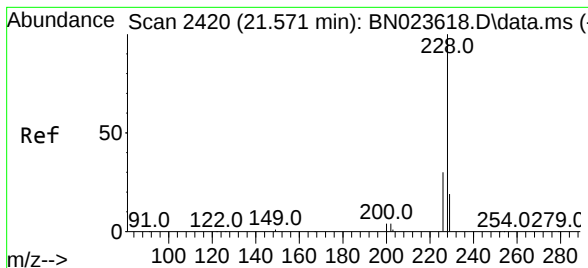
Reviewed By :Christian Giraldo 01/12/2023  
Supervised By :Jagrut Upadhyay 01/12/2023



#32  
Benzo(a)anthracene  
Concen: 0.354 ng  
RT: 21.513 min Scan# 2414  
Delta R.T. -0.005 min  
Lab File: BN023629.D  
Acq: 12 Jan 2023 02:55

Tgt Ion:228 Resp: 18081  
Ion Ratio Lower Upper  
228 100  
226 28.5 22.2 33.2  
229 19.8 15.7 23.5





#33

Chrysene

Concen: 0.334 ng

RT: 21.567 min Scan# 2420

Delta R.T. -0.005 min

Lab File: BN023629.D

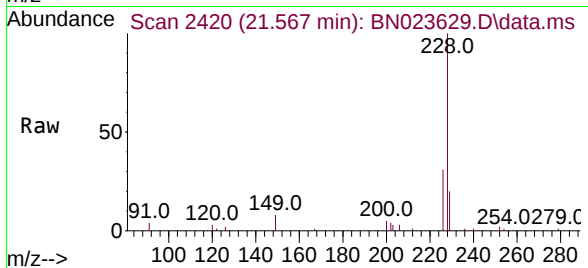
Acq: 12 Jan 2023 02:55

Instrument :

BNA\_N

ClientSampleId :

TT-214-IDWSO-20230109-1MSD

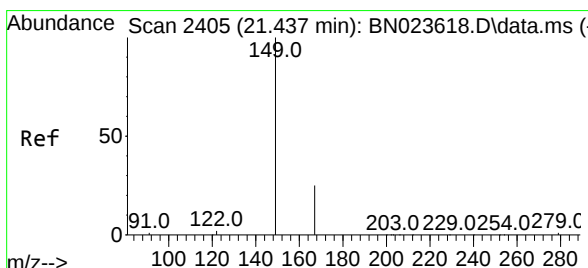
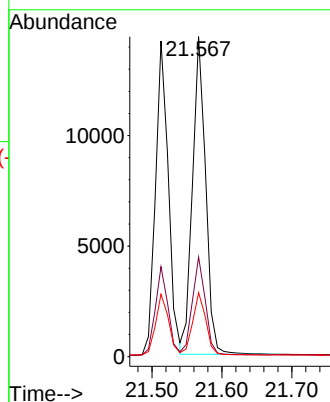
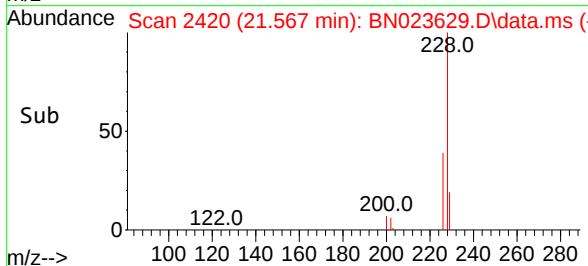


|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 228   | Resp: | 1876 |
| Ion Ratio | Lower | Upper |      |
| 228       | 100   |       |      |
| 226       | 31.1  | 24.4  | 36.6 |
| 229       | 20.0  | 15.6  | 23.4 |

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Supervised By :Jagrut Upadhyay 01/12/2023



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.616 ng

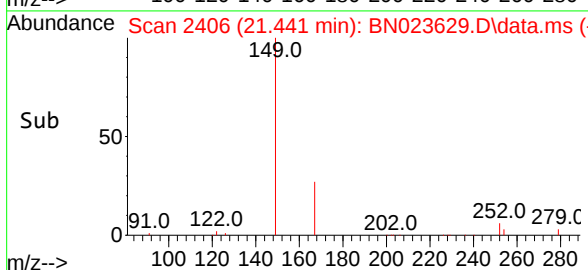
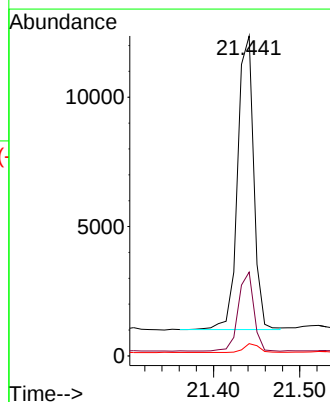
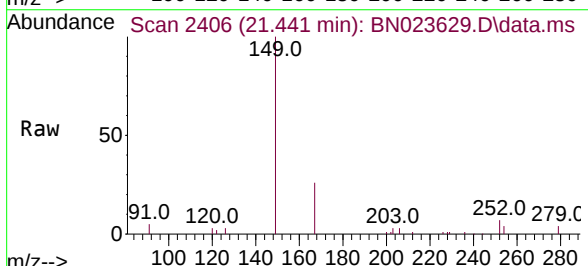
RT: 21.441 min Scan# 2406

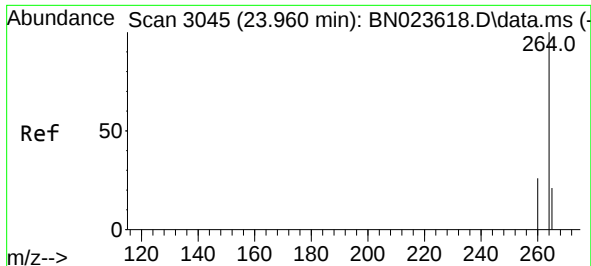
Delta R.T. 0.004 min

Lab File: BN023629.D

Acq: 12 Jan 2023 02:55

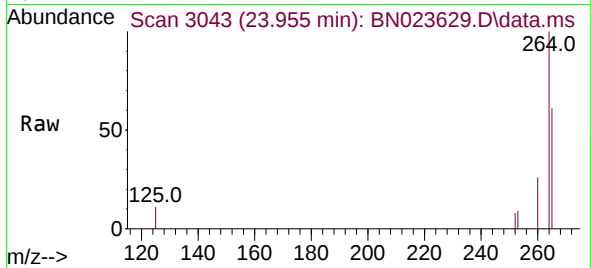
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 149   | Resp: | 14685 |
| Ion Ratio | Lower | Upper |       |
| 149       | 100   |       |       |
| 167       | 25.9  | 20.6  | 30.8  |
| 279       | 2.8   | 2.6   | 4.0   |





#35  
 Perylene-d12  
 Concen: 0.400 ng  
 RT: 23.955 min Scan# 3043  
 Delta R.T. -0.005 min  
 Lab File: BN023629.D  
 Acq: 12 Jan 2023 02:55

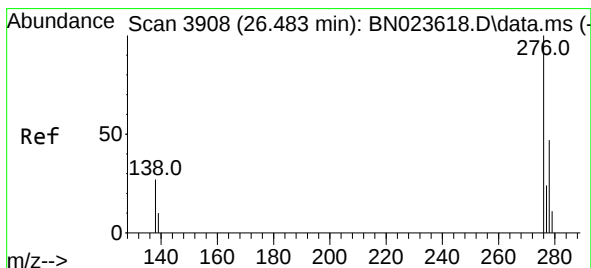
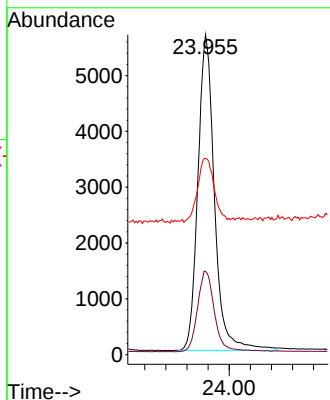
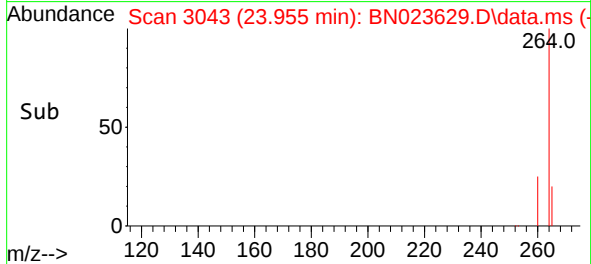
Instrument :  
 BNA\_N  
 ClientSampleId :  
 TT-214-IDWSO-20230109-1MSD



Tgt Ion:264 Resp: 12313  
 Ion Ratio Lower Upper  
 264 100  
 260 26.0 21.4 32.2  
 265 61.3 56.6 85.0

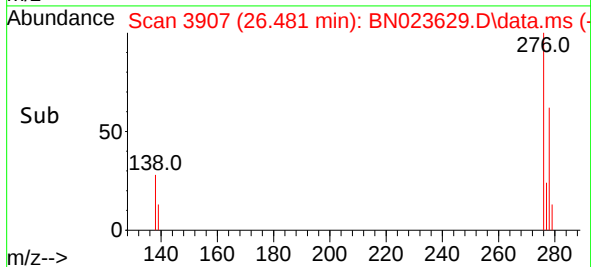
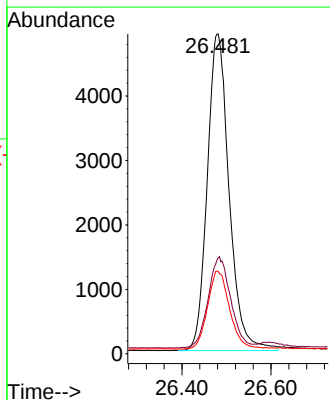
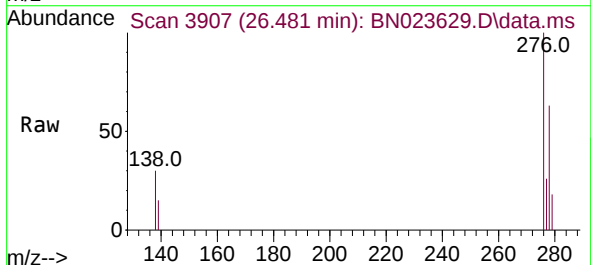
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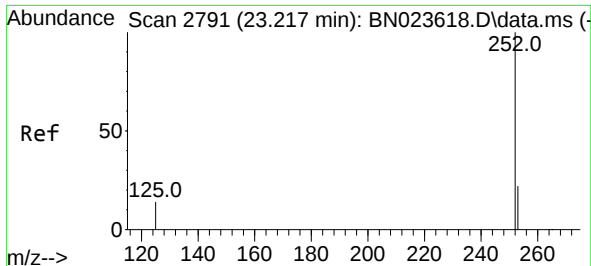
Reviewed By :Christian Giraldo 01/12/2023  
 Supervised By :Jagrut Upadhyay 01/12/2023



#36  
 Indeno(1,2,3-cd)pyrene  
 Concen: 0.303 ng  
 RT: 26.481 min Scan# 3907  
 Delta R.T. -0.002 min  
 Lab File: BN023629.D  
 Acq: 12 Jan 2023 02:55

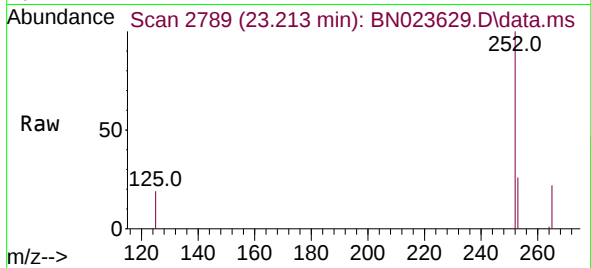
Tgt Ion:276 Resp: 16723  
 Ion Ratio Lower Upper  
 276 100  
 138 29.8 23.8 35.8  
 277 24.8 19.8 29.6





#37  
Benzo(b)fluoranthene  
Concen: 0.358 ng  
RT: 23.213 min Scan# 21  
Delta R.T. -0.004 min  
Lab File: BN023629.D  
Acq: 12 Jan 2023 02:55

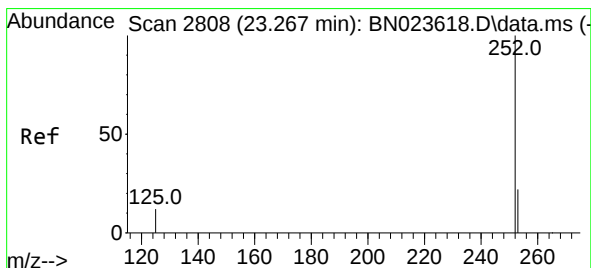
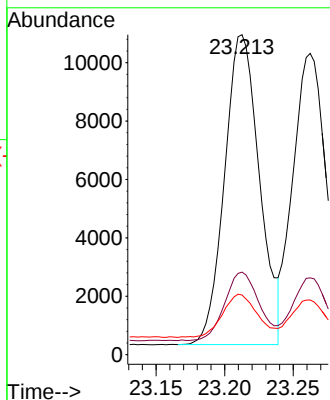
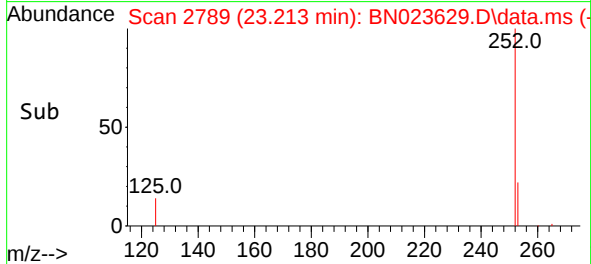
Instrument :  
BNA\_N  
ClientSampleId :  
TT-214-IDWSO-20230109-1MSD



Tgt Ion:252 Resp: 18843  
Ion Ratio Lower Upper  
252 100  
253 25.8 20.0 30.0  
125 18.6 14.4 21.6

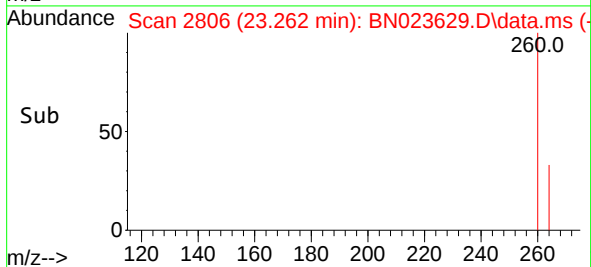
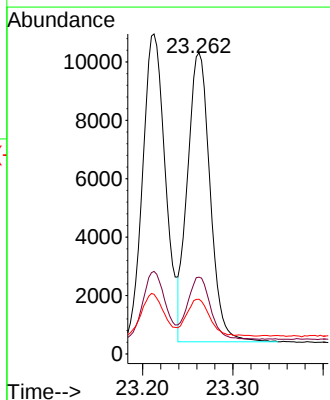
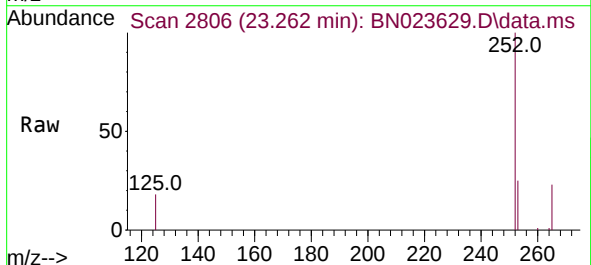
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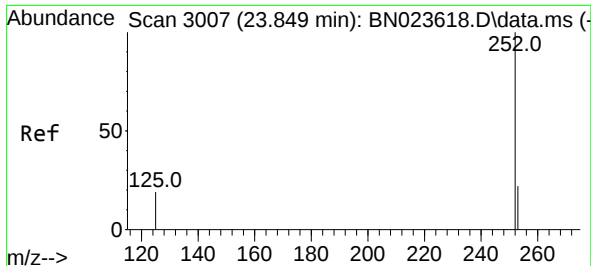
Reviewed By :Christian Giraldo 01/12/2023  
Supervised By :Jagrut Upadhyay 01/12/2023



#38  
Benzo(k)fluoranthene  
Concen: 0.336 ng  
RT: 23.262 min Scan# 2806  
Delta R.T. -0.005 min  
Lab File: BN023629.D  
Acq: 12 Jan 2023 02:55

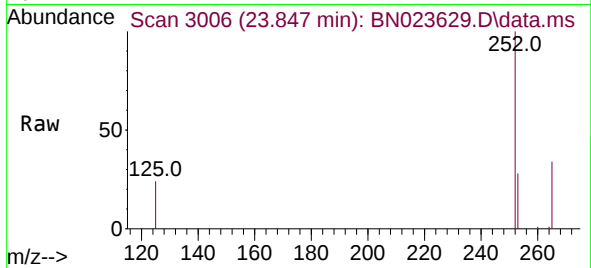
Tgt Ion:252 Resp: 17217  
Ion Ratio Lower Upper  
252 100  
253 25.5 20.2 30.2  
125 18.1 13.0 19.4





#39  
Benzo(a)pyrene  
Concen: 0.355 ng  
RT: 23.847 min Scan# 3006  
Delta R.T. -0.002 min  
Lab File: BN023629.D  
Acq: 12 Jan 2023 02:55

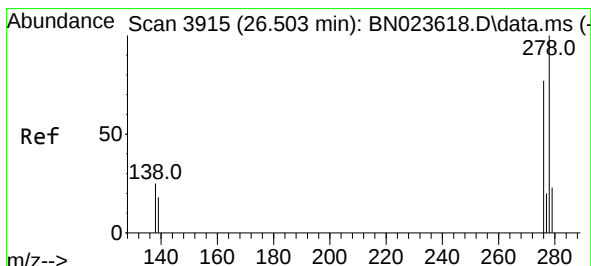
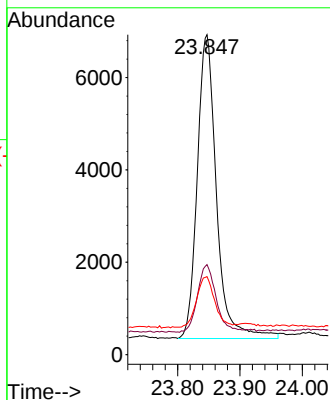
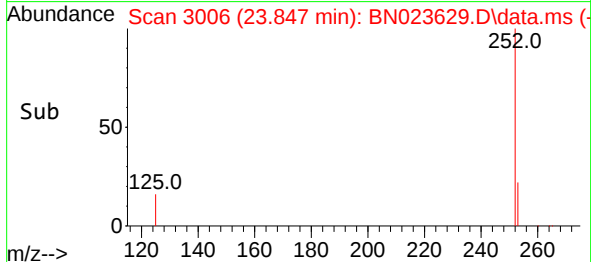
Instrument :  
BNA\_N  
ClientSampleId :  
TT-214-IDWSO-20230109-1MSD



Tgt Ion:252 Resp: 14096  
Ion Ratio Lower Upper  
252 100  
253 28.1 22.3 33.5  
125 24.4 21.2 31.8

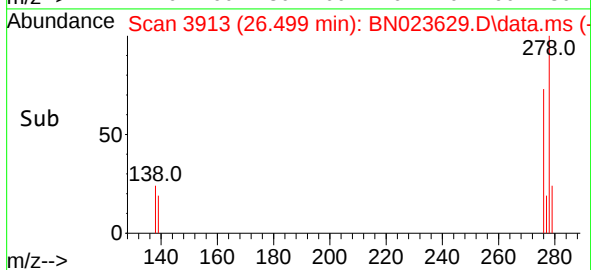
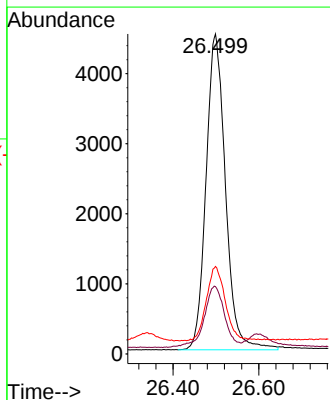
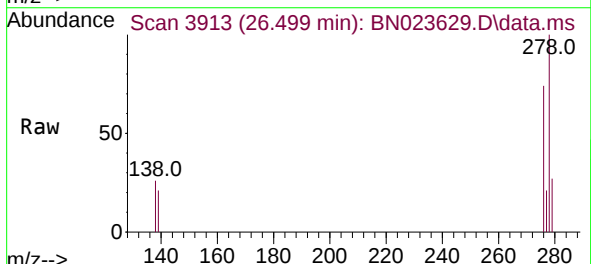
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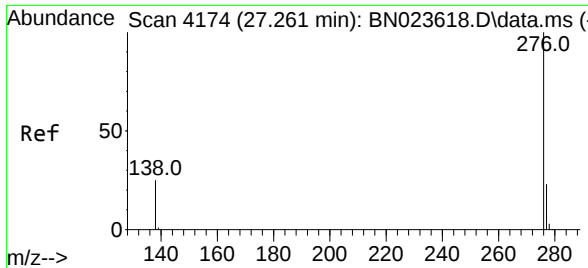
Reviewed By :Christian Giraldo 01/12/2023  
Supervised By :Jagrut Upadhyay 01/12/2023



#40  
Dibenzo(a,h)anthracene  
Concen: 0.321 ng  
RT: 26.499 min Scan# 3913  
Delta R.T. -0.005 min  
Lab File: BN023629.D  
Acq: 12 Jan 2023 02:55

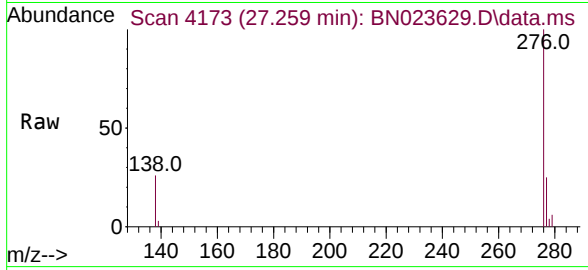
Tgt Ion:278 Resp: 14187  
Ion Ratio Lower Upper  
278 100  
139 21.0 16.8 25.2  
279 27.3 21.5 32.3





#41  
 Benzo(g,h,i)perylene  
 Concen: 0.330 ng  
 RT: 27.259 min Scan# 41  
 Delta R.T. -0.002 min  
 Lab File: BN023629.D  
 Acq: 12 Jan 2023 02:55

Instrument :  
 BNA\_N  
 ClientSampleId :  
 TT-214-IDWSO-20230109-1MSD



Tgt Ion:276 Resp: 14918  
 Ion Ratio Lower Upper  
 276 100  
 277 24.7 19.6 29.4  
 138 26.1 21.5 32.3

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Reviewed By :Christian Giraldo 01/12/2023  
 Supervised By :Jagrut Upadhyay 01/12/2023

