

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN051723\  
 Data File : BN025460.D  
 Acq On : 17 May 2023 19:18  
 Operator : CG/JU  
 Sample : 02803-01MSD  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 CB-14-G1-SO-74-051523MSD

Quant Time: May 18 03:41:17 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN051623.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu May 18 03:36:39 2023  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Christian Giraldo 05/18/2023  
 Supervised By :Jagrut Upadhyay 05/18/2023

| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.084  | 152  | 5429     | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.910 | 136  | 15263    | 0.400 | ng    | 0.00     |
| 13) Acenaphthene-d10          | 14.715 | 164  | 8820     | 0.400 | ng    | 0.00     |
| 19) Phenanthrene-d10          | 17.460 | 188  | 19286    | 0.400 | ng    | # 0.00   |
| 29) Chrysene-d12              | 21.638 | 240  | 16195    | 0.400 | ng    | # 0.00   |
| 35) Perylene-d12              | 24.169 | 264  | 17756    | 0.400 | ng    | -0.01    |
|                               |        |      |          |       |       |          |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.622  | 112  | 4792     | 0.411 | ng    | 0.00     |
| 5) Phenol-d6                  | 7.232  | 99   | 7239     | 0.463 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 9.244  | 82   | 3993     | 0.383 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10   | 12.487 | 152  | 10252m   | 0.480 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 16.194 | 330  | 996      | 0.333 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl          | 13.347 | 172  | 11235    | 0.348 | ng    | 0.00     |
| 27) Fluoranthene-d10          | 19.481 | 212  | 15796    | 0.344 | ng    | 0.00     |
| 31) Terphenyl-d14             | 20.071 | 244  | 10274    | 0.349 | ng    | 0.00     |
|                               |        |      |          |       |       |          |
| Target Compounds              |        |      |          |       |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.462  | 88   | 1853     | 0.365 | ng    | # 82     |
| 3) n-Nitrosodimethylamine     | 3.787  | 42   | 2258     | 0.368 | ng    | # 93     |
| 6) bis(2-Chloroethyl)ether    | 7.499  | 93   | 6161     | 0.260 | ng    | 89       |
| 9) Naphthalene                | 10.953 | 128  | 15523    | 0.408 | ng    | 99       |
| 10) Hexachlorobutadiene       | 11.252 | 225  | 2980     | 0.399 | ng    | # 99     |
| 12) 2-Methylnaphthalene       | 12.559 | 142  | 10504    | 0.375 | ng    | 100      |
| 16) Acenaphthylene            | 14.437 | 152  | 15772    | 0.388 | ng    | 100      |
| 17) Acenaphthene              | 14.780 | 154  | 10777    | 0.426 | ng    | 95       |
| 18) Fluorene                  | 15.759 | 166  | 13158    | 0.396 | ng    | 98       |
| 20) 4,6-Dinitro-2-methylph... | 15.821 | 198  | 1363     | 0.553 | ng    | # 58     |
| 21) 4-Bromophenyl-phenylether | 16.641 | 248  | 4770     | 0.426 | ng    | # 75     |
| 22) Hexachlorobenzene         | 16.765 | 284  | 4403     | 0.424 | ng    | 99       |
| 23) Atrazine                  | 16.901 | 200  | 3866     | 0.411 | ng    | # 95     |
| 24) Pentachlorophenol         | 17.100 | 266  | 2454     | 0.687 | ng    | 98       |
| 25) Phenanthrene              | 17.497 | 178  | 22387    | 0.413 | ng    | 99       |
| 26) Anthracene                | 17.584 | 178  | 20272    | 0.386 | ng    | 100      |
| 28) Fluoranthene              | 19.511 | 202  | 25255    | 0.393 | ng    | # 97     |
| 30) Pyrene                    | 19.873 | 202  | 27002    | 0.437 | ng    | 100      |
| 32) Benzo(a)anthracene        | 21.620 | 228  | 24818    | 0.436 | ng    | 99       |
| 33) Chrysene                  | 21.674 | 228  | 23800    | 0.421 | ng    | 99       |
| 34) Bis(2-ethylhexyl)phtha... | 21.540 | 149  | 35809    | 1.076 | ng    | 99       |
| 36) Indeno(1,2,3-cd)pyrene    | 26.829 | 276  | 29557    | 0.412 | ng    | # 86     |
| 37) Benzo(b)fluoranthene      | 23.391 | 252  | 26525    | 0.426 | ng    | 98       |
| 38) Benzo(k)fluoranthene      | 23.443 | 252  | 26548    | 0.415 | ng    | 97       |
| 39) Benzo(a)pyrene            | 24.052 | 252  | 22369    | 0.377 | ng    | 98       |
| 40) Dibenzo(a,h)anthracene    | 26.858 | 278  | 24521    | 0.425 | ng    | 98       |
| 41) Benzo(g,h,i)perylene      | 27.639 | 276  | 25089    | 0.413 | ng    | 100      |
| -----                         |        |      |          |       |       |          |

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

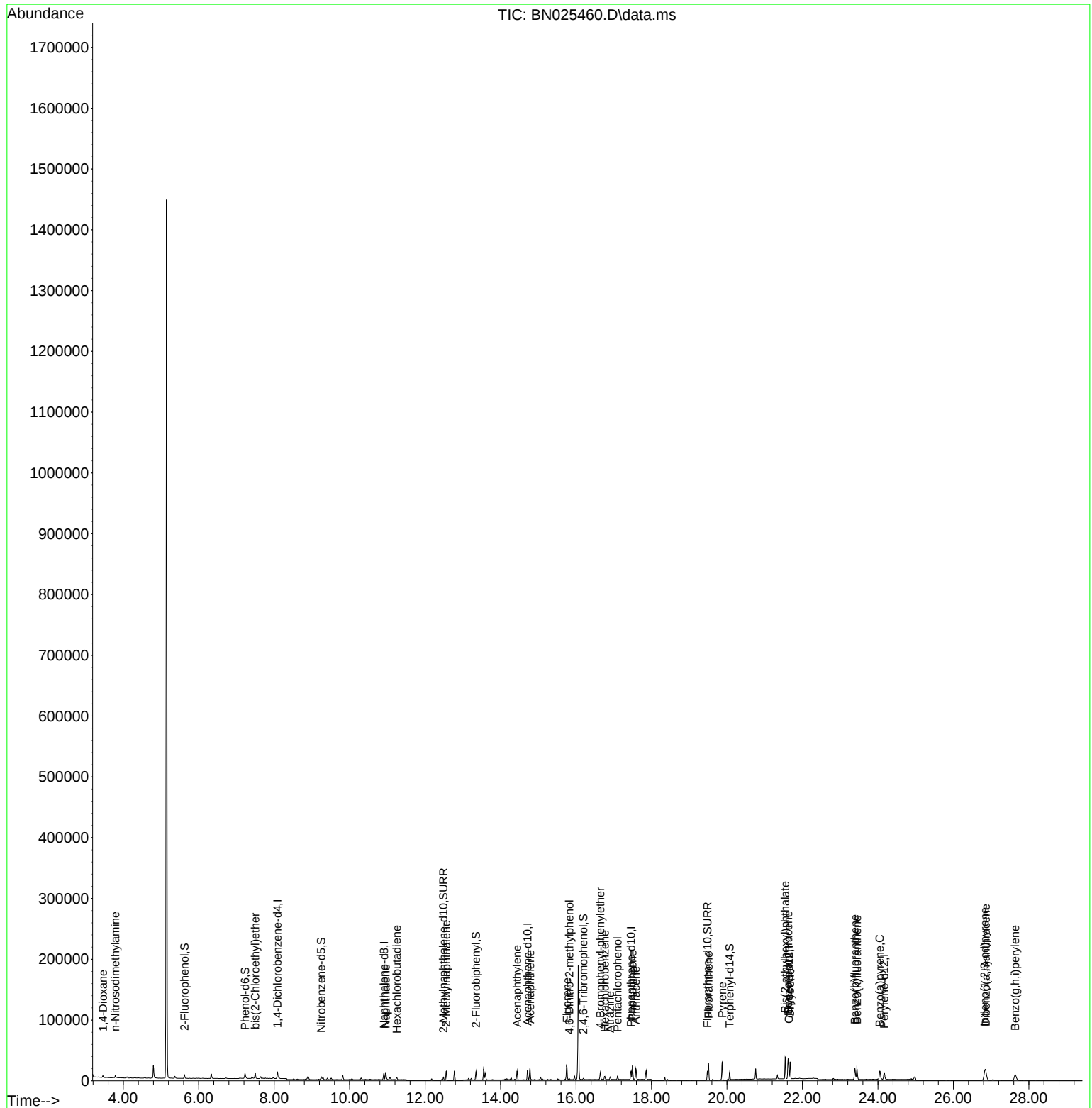
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN051723\  
 Data File : BN025460.D  
 Acq On : 17 May 2023 19:18  
 Operator : CG/JU  
 Sample : 02803-01MSD  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

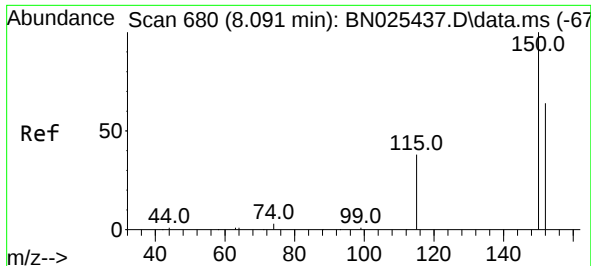
Instrument :  
 BNA\_N  
 ClientSampleId :  
 CB-14-G1-SO-74-051523MSD

Manual Integrations  
 APPROVED

Reviewed By : Christian Giraldo 05/18/2023  
 Supervised By : Jagrut Upadhyay 05/18/2023

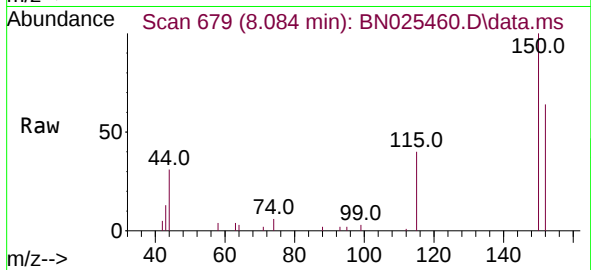
Quant Time: May 18 03:41:17 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN051623.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu May 18 03:36:39 2023  
 Response via : Initial Calibration





#1  
 1,4-Dichlorobenzene-d4  
 Concen: 0.400 ng  
 RT: 8.084 min Scan# 61  
 Delta R.T. 0.000 min  
 Lab File: BN025460.D  
 Acq: 17 May 2023 19:18

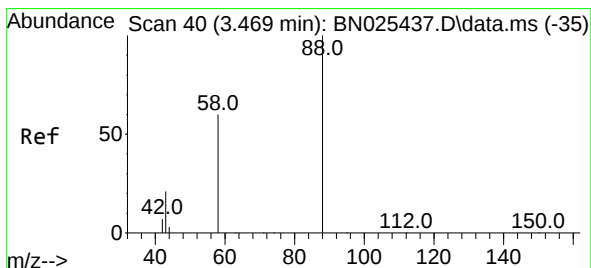
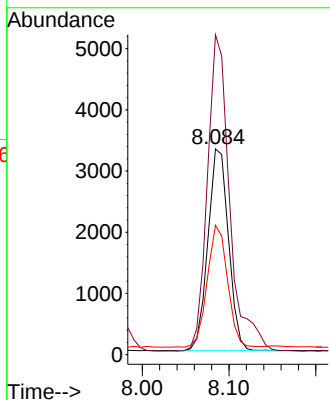
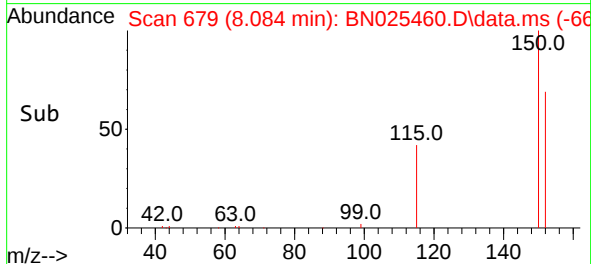
Instrument :  
 BNA\_N  
 ClientSampleId :  
 CB-14-G1-SO-74-051523MSD



Tgt Ion:152 Resp: 5429  
 Ion Ratio Lower Upper  
 152 100  
 150 155.5 123.7 185.5  
 115 62.8 50.0 75.0

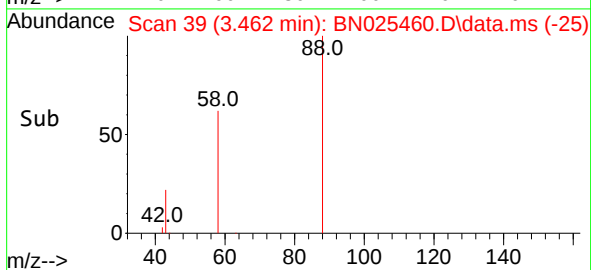
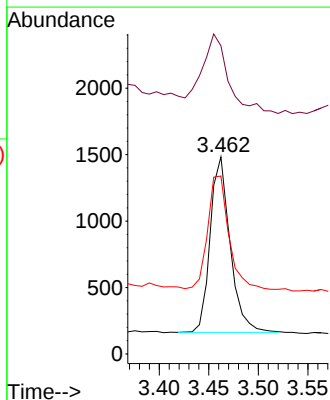
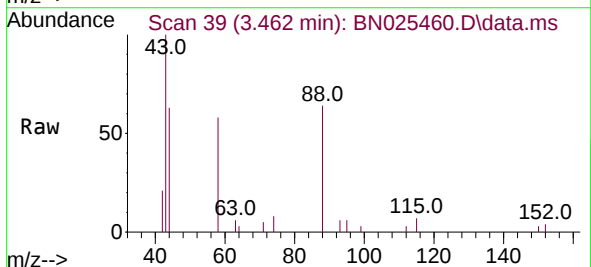
Manual Integrations  
 APPROVED

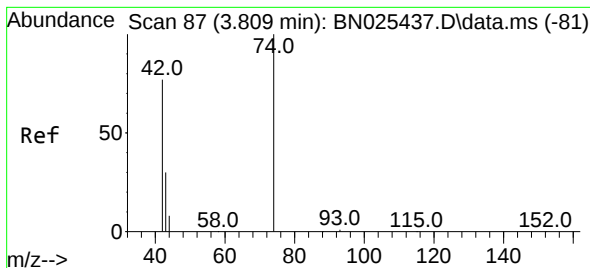
Reviewed By :Christian Giraldo 05/18/2023  
 Supervised By :Jagrut Upadhyay 05/18/2023



#2  
 1,4-Dioxane  
 Concen: 0.365 ng  
 RT: 3.462 min Scan# 39  
 Delta R.T. 0.000 min  
 Lab File: BN025460.D  
 Acq: 17 May 2023 19:18

Tgt Ion: 88 Resp: 1853  
 Ion Ratio Lower Upper  
 88 100  
 43 60.9 25.1 37.7#  
 58 68.1 55.5 83.3





#3

n-Nitrosodimethylamine

Concen: 0.368 ng

RT: 3.787 min Scan# 84

Delta R.T. -0.007 min

Lab File: BN025460.D

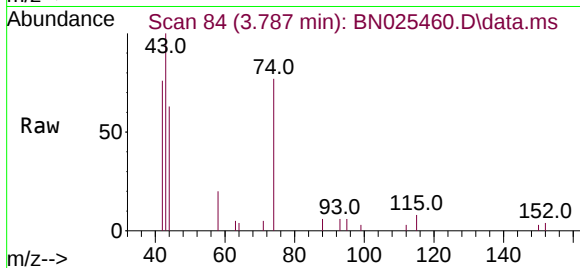
Acq: 17 May 2023 19:18

Instrument :

BNA\_N

ClientSampleId :

CB-14-G1-SO-74-051523MSD

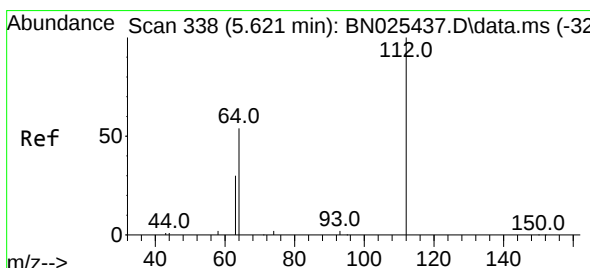
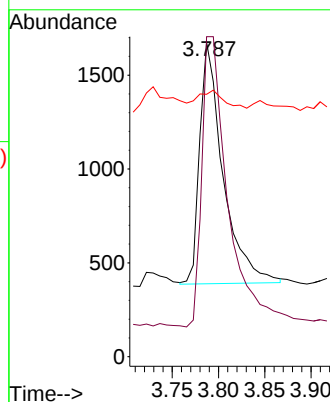
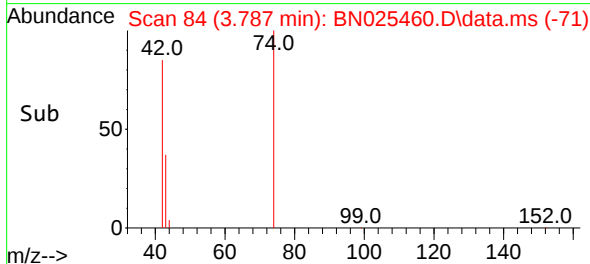


|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 42    | Resp: | 225   |
| Ion      | Ratio | Lower | Upper |
| 42       | 100   |       |       |
| 74       | 133.1 | 100.1 | 150.1 |
| 44       | 8.5   | 0.0   | 0.0   |

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/18/2023  
Supervised By :Jagrut Upadhyay 05/18/2023



#4

2-Fluorophenol

Concen: 0.411 ng

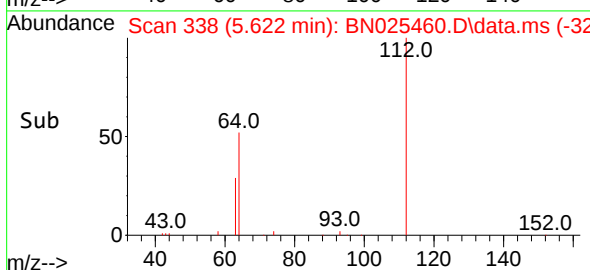
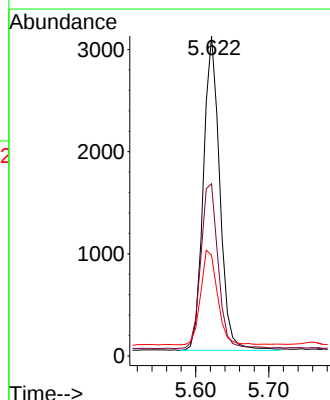
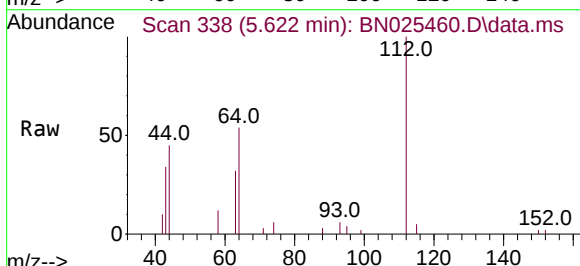
RT: 5.622 min Scan# 338

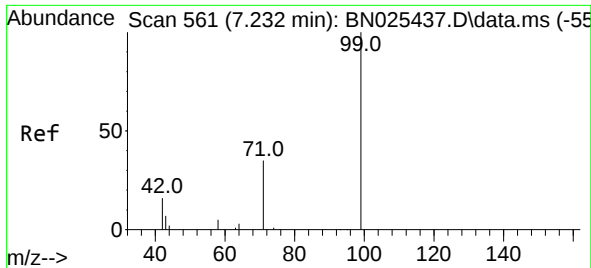
Delta R.T. 0.007 min

Lab File: BN025460.D

Acq: 17 May 2023 19:18

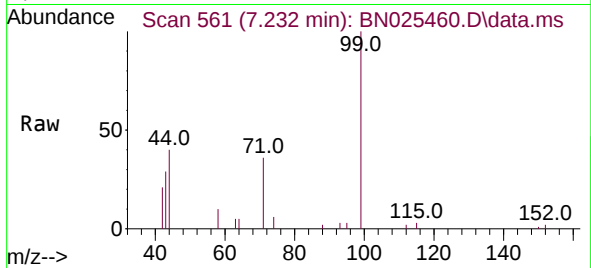
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 112   | Resp: | 4792  |
| Ion      | Ratio | Lower | Upper |
| 112      | 100   |       |       |
| 64       | 55.6  | 43.9  | 65.9  |
| 63       | 31.0  | 25.0  | 37.4  |





#5  
Phenol-d6  
Concen: 0.463 ng  
RT: 7.232 min Scan# 561  
Delta R.T. 0.007 min  
Lab File: BN025460.D  
Acq: 17 May 2023 19:18

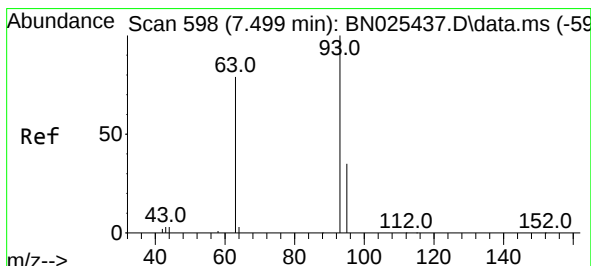
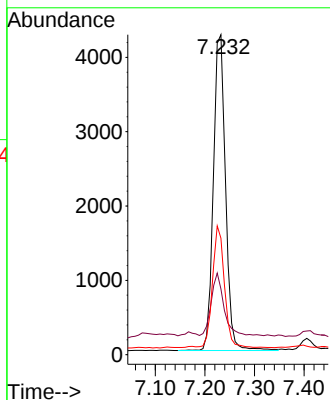
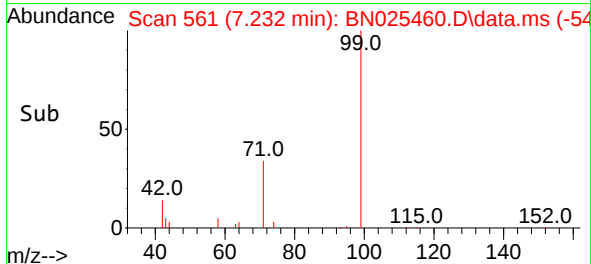
Instrument :  
BNA\_N  
ClientSampleId :  
CB-14-G1-SO-74-051523MSD



Tgt Ion: 99 Resp: 7239  
Ion Ratio Lower Upper  
99 100  
42 20.6 16.4 24.6  
71 37.8 29.4 44.0

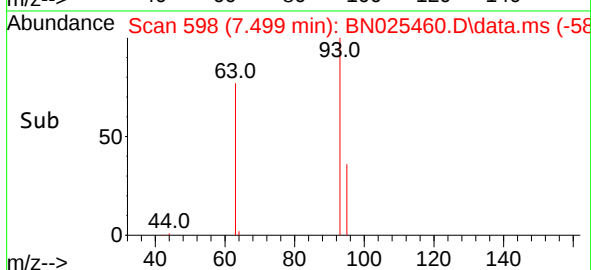
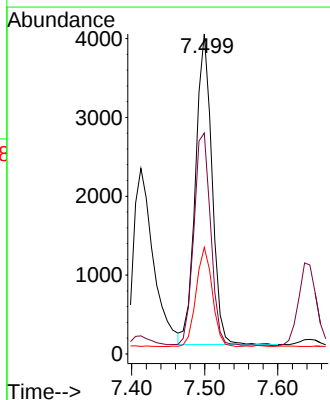
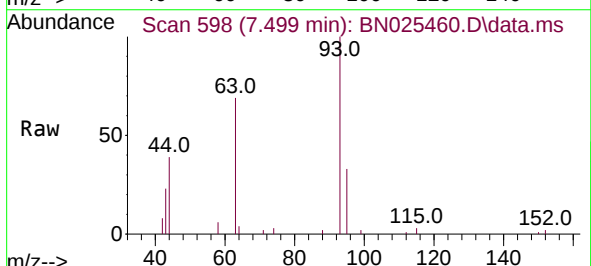
Manual Integrations  
APPROVED

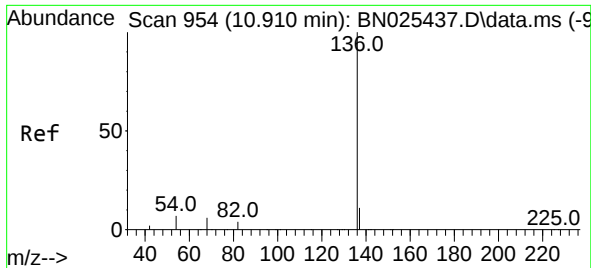
Reviewed By :Christian Giraldo 05/18/2023  
Supervised By :Jagrut Upadhyay 05/18/2023



#6  
bis(2-Chloroethyl)ether  
Concen: 0.260 ng  
RT: 7.499 min Scan# 598  
Delta R.T. 0.000 min  
Lab File: BN025460.D  
Acq: 17 May 2023 19:18

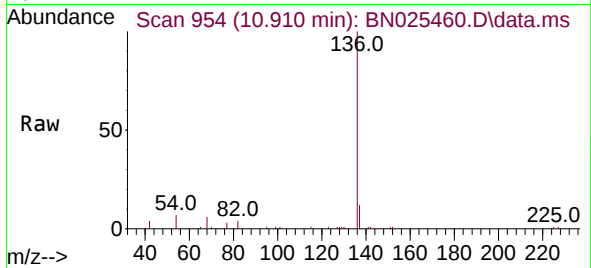
Tgt Ion: 93 Resp: 6161  
Ion Ratio Lower Upper  
93 100  
63 70.6 48.5 72.7  
95 31.5 22.0 33.0





#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.910 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: BN025460.D  
Acq: 17 May 2023 19:18

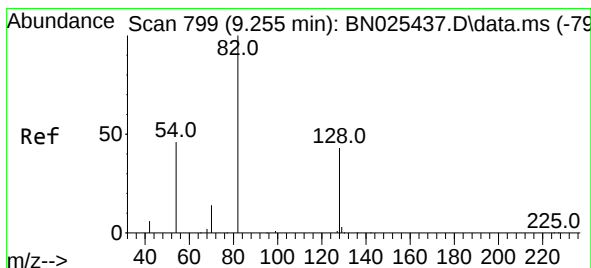
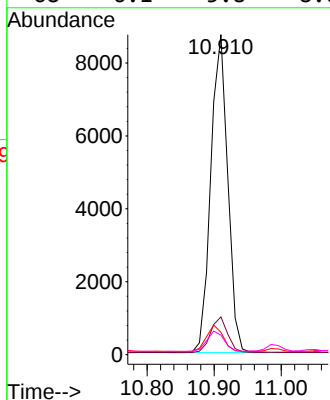
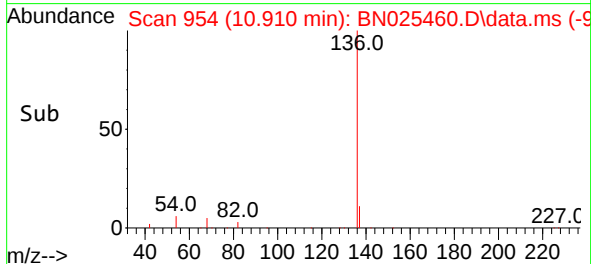
Instrument :  
BNA\_N  
ClientSampleId :  
CB-14-G1-SO-74-051523MSD



| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 136     | 100   |       |       |
| 137     | 11.8  | 9.4   | 14.0  |
| 54      | 7.0   | 7.0   | 10.4  |
| 68      | 6.1   | 5.8   | 8.6   |

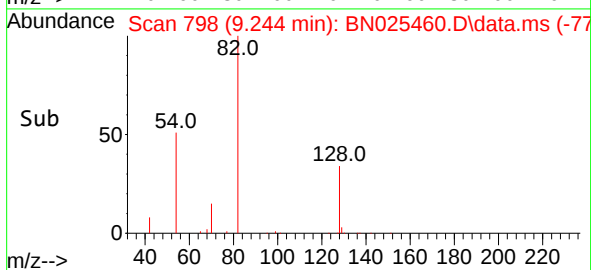
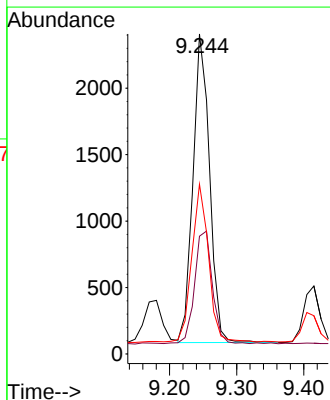
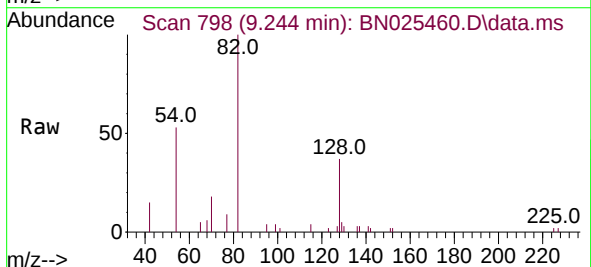
Manual Integrations  
APPROVED

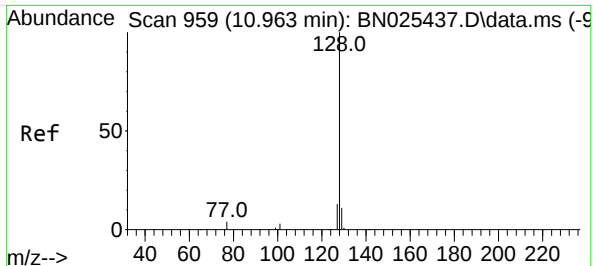
Reviewed By :Christian Giraldo 05/18/2023  
Supervised By :Jagrut Upadhyay 05/18/2023



#8  
Nitrobenzene-d5  
Concen: 0.383 ng  
RT: 9.244 min Scan# 798  
Delta R.T. 0.000 min  
Lab File: BN025460.D  
Acq: 17 May 2023 19:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 36.8  | 35.7  | 53.5  |
| 54      | 53.1  | 38.6  | 57.8  |





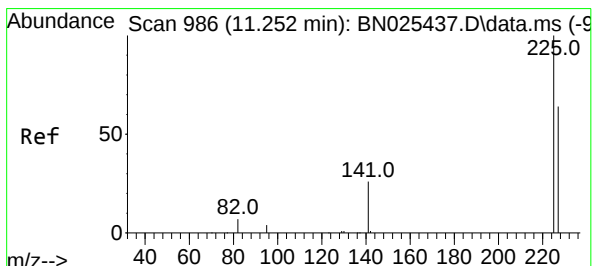
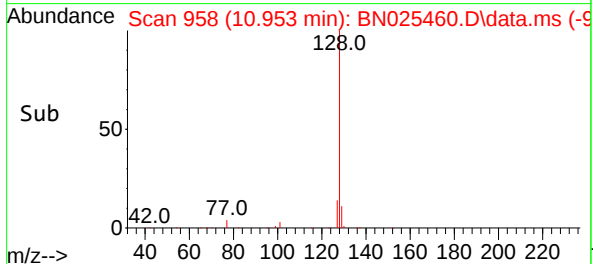
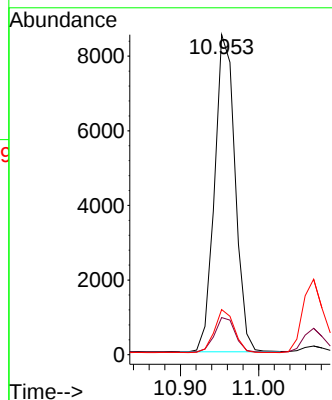
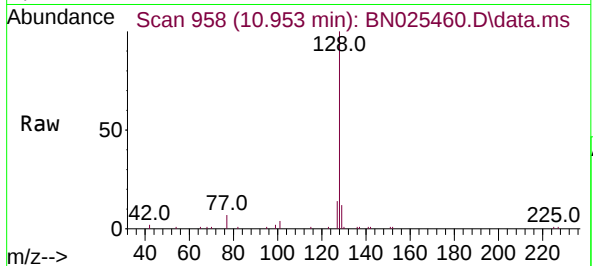
#9  
Naphthalene  
Concen: 0.408 ng  
RT: 10.953 min Scan# 958  
Delta R.T. 0.000 min  
Lab File: BN025460.D  
Acq: 17 May 2023 19:18

Instrument :  
BNA\_N  
ClientSampleId :  
CB-14-G1-SO-74-051523MSD

Tgt Ion:128 Resp: 1552  
Ion Ratio Lower Upper  
128 100  
129 11.6 9.4 14.2  
127 14.1 10.6 16.0

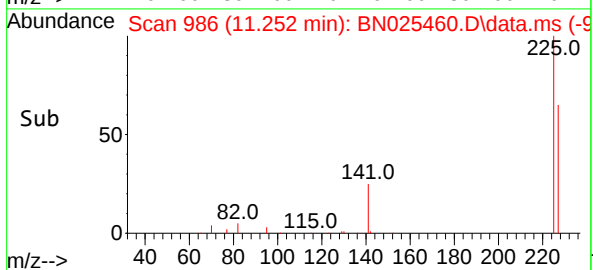
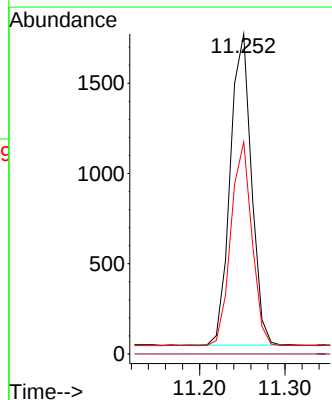
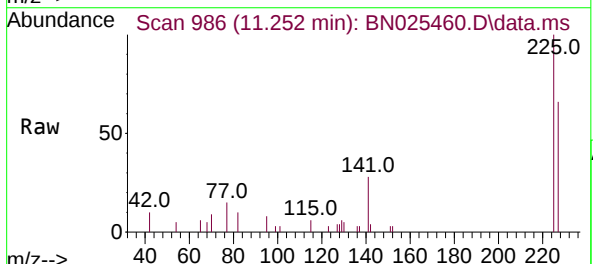
Manual Integrations  
APPROVED

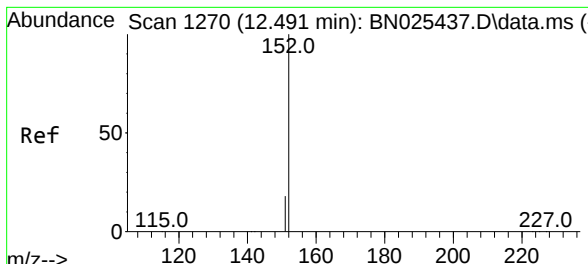
Reviewed By :Christian Giraldo 05/18/2023  
Supervised By :Jagrut Upadhyay 05/18/2023



#10  
Hexachlorobutadiene  
Concen: 0.399 ng  
RT: 11.252 min Scan# 986  
Delta R.T. 0.000 min  
Lab File: BN025460.D  
Acq: 17 May 2023 19:18

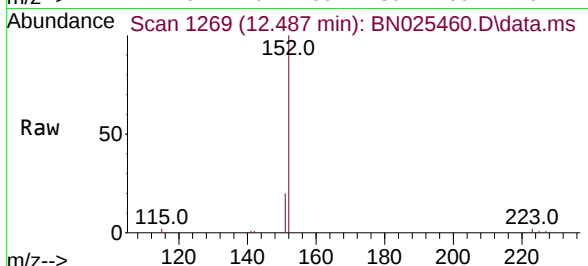
Tgt Ion:225 Resp: 2980  
Ion Ratio Lower Upper  
225 100  
223 0.0 0.0 0.0  
227 64.5 51.1 76.7





#11  
2-Methylnaphthalene-d10  
Concen: 0.480 ng m  
RT: 12.487 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BN025460.D  
Acq: 17 May 2023 19:18

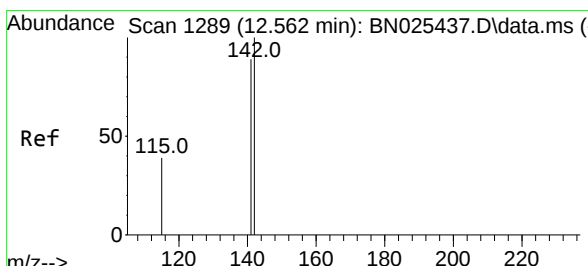
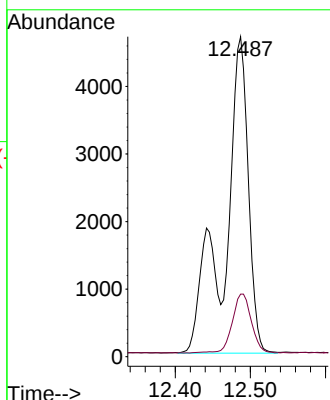
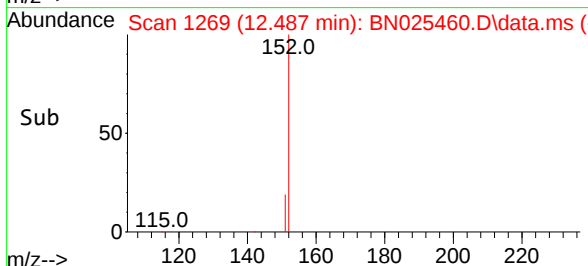
Instrument :  
BNA\_N  
ClientSampleId :  
CB-14-G1-SO-74-051523MSD



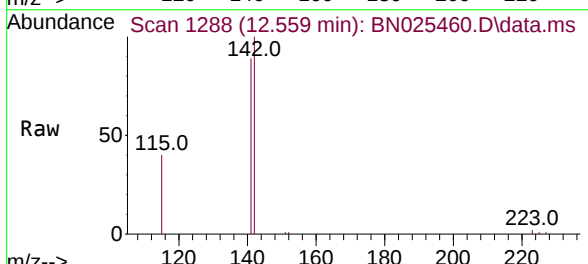
Tgt Ion:152 Resp: 1025  
Ion Ratio Lower Upper  
152 100  
151 15.0 16.5 24.7

Manual Integrations  
APPROVED

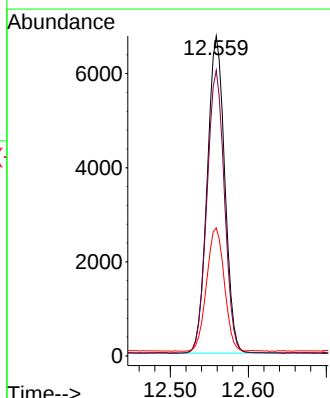
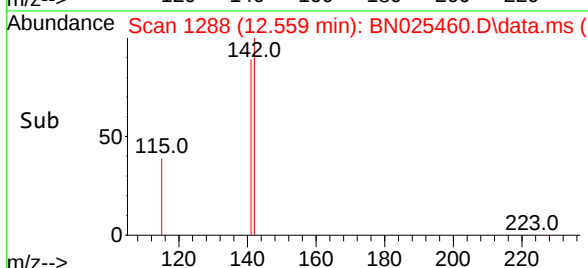
Reviewed By :Christian Giraldo 05/18/2023  
Supervised By :Jagrut Upadhyay 05/18/2023

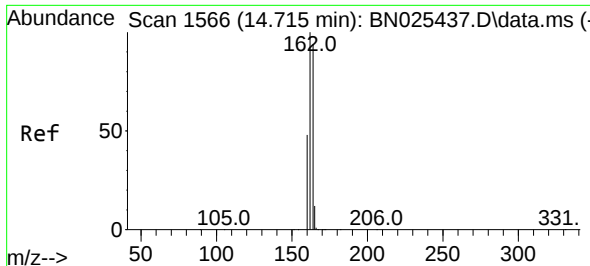


#12  
2-Methylnaphthalene  
Concen: 0.375 ng  
RT: 12.559 min Scan# 1288  
Delta R.T. 0.000 min  
Lab File: BN025460.D  
Acq: 17 May 2023 19:18



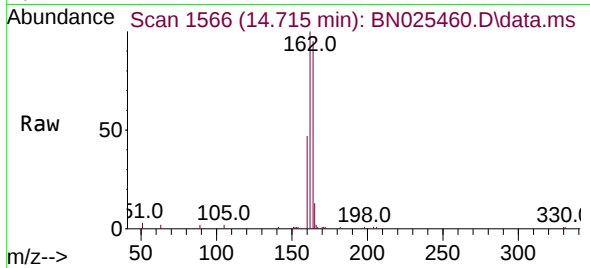
Tgt Ion:142 Resp: 10504  
Ion Ratio Lower Upper  
142 100  
141 89.3 71.4 107.0  
115 40.0 32.6 48.8





#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.715 min Scan# 1566  
Delta R.T. 0.000 min  
Lab File: BN025460.D  
Acq: 17 May 2023 19:18

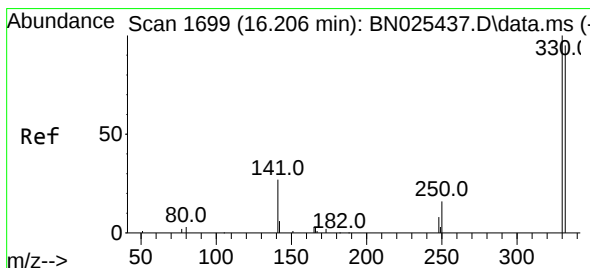
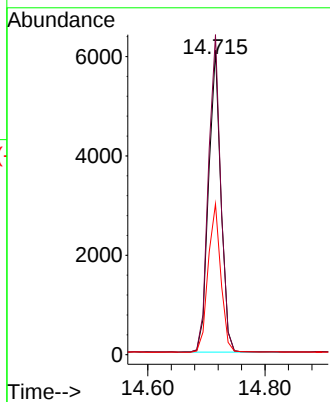
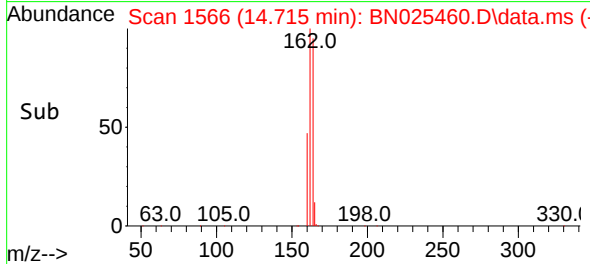
Instrument :  
BNA\_N  
ClientSampleId :  
CB-14-G1-SO-74-051523MSD



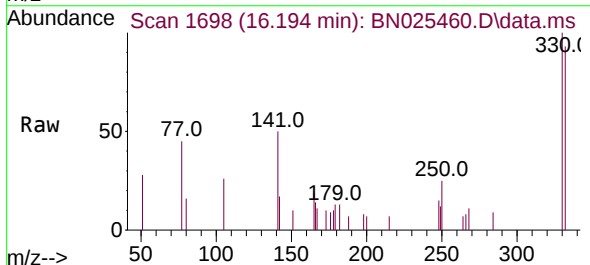
Tgt Ion:164 Resp: 8820  
Ion Ratio Lower Upper  
164 100  
162 105.2 84.8 127.2  
160 49.6 40.6 61.0

Manual Integrations  
APPROVED

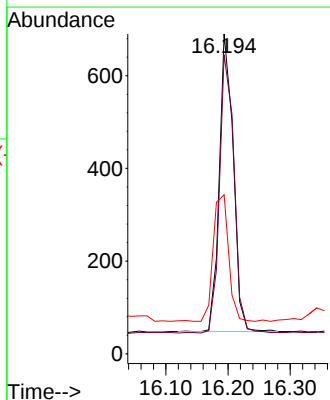
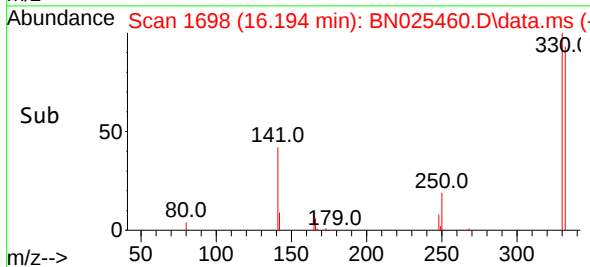
Reviewed By :Christian Giraldo 05/18/2023  
Supervised By :Jagrut Upadhyay 05/18/2023

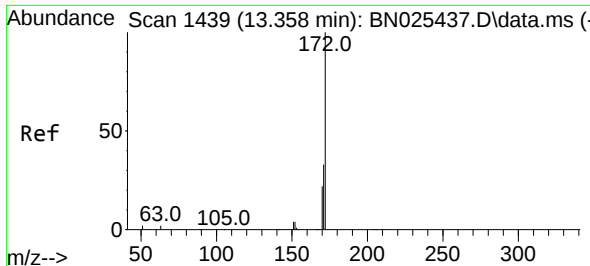


#14  
2,4,6-Tribromophenol  
Concen: 0.333 ng  
RT: 16.194 min Scan# 1698  
Delta R.T. 0.000 min  
Lab File: BN025460.D  
Acq: 17 May 2023 19:18



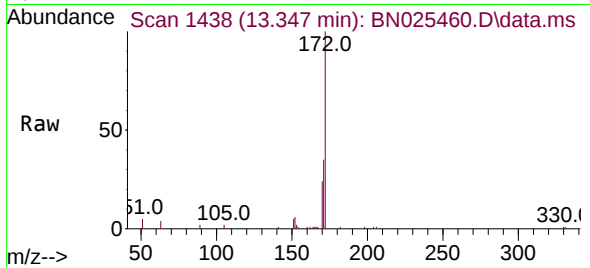
Tgt Ion:330 Resp: 996  
Ion Ratio Lower Upper  
330 100  
332 98.0 75.5 113.3  
141 47.1 35.3 52.9





#15  
2-Fluorobiphenyl  
Concen: 0.348 ng  
RT: 13.347 min Scan# 1438  
Delta R.T. 0.000 min  
Lab File: BN025460.D  
Acq: 17 May 2023 19:18

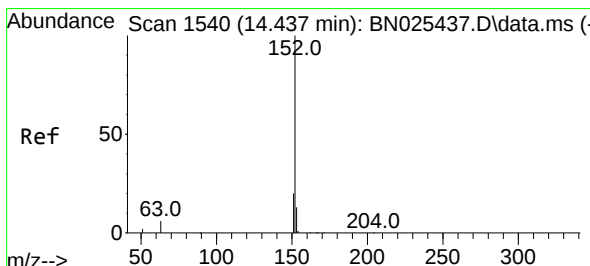
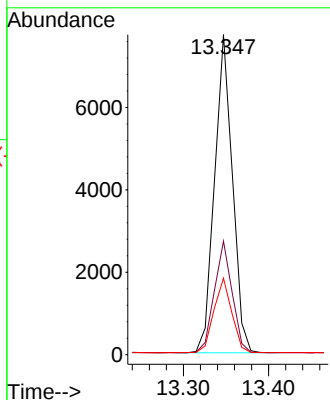
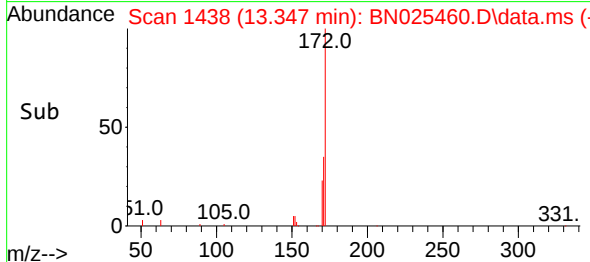
Instrument :  
BNA\_N  
ClientSampleId :  
CB-14-G1-SO-74-051523MSD



Tgt Ion:172 Resp: 11235  
Ion Ratio Lower Upper  
172 100  
171 35.5 27.0 40.6  
170 23.9 18.2 27.2

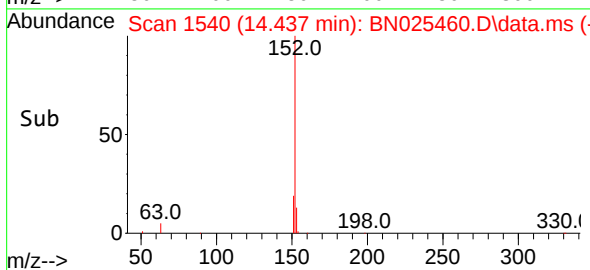
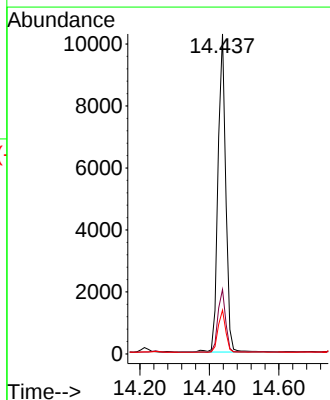
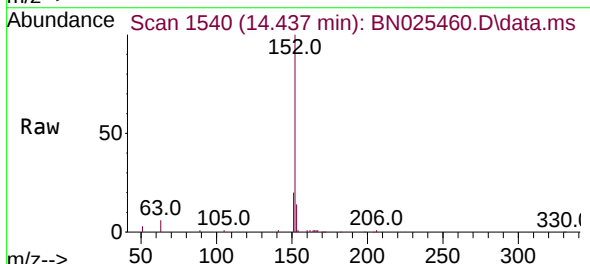
Manual Integrations  
APPROVED

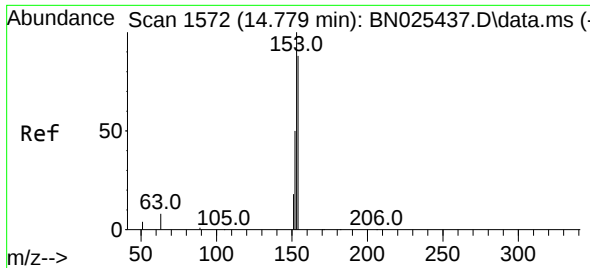
Reviewed By :Christian Giraldo 05/18/2023  
Supervised By :Jagrut Upadhyay 05/18/2023



#16  
Acenaphthylene  
Concen: 0.388 ng  
RT: 14.437 min Scan# 1540  
Delta R.T. 0.000 min  
Lab File: BN025460.D  
Acq: 17 May 2023 19:18

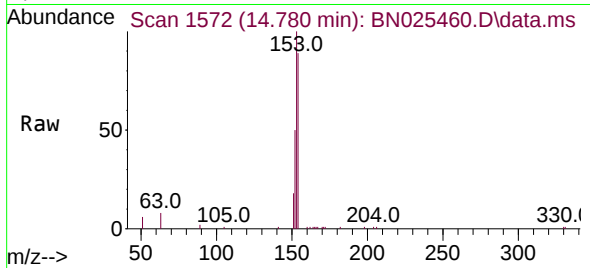
Tgt Ion:152 Resp: 15772  
Ion Ratio Lower Upper  
152 100  
151 19.4 15.5 23.3  
153 13.0 10.4 15.6





#17  
Acenaphthene  
Concen: 0.426 ng  
RT: 14.780 min Scan# 1572  
Delta R.T. 0.000 min  
Lab File: BN025460.D  
Acq: 17 May 2023 19:18

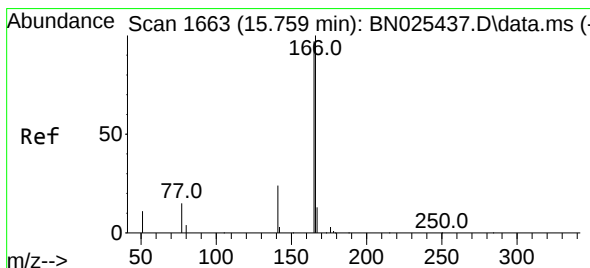
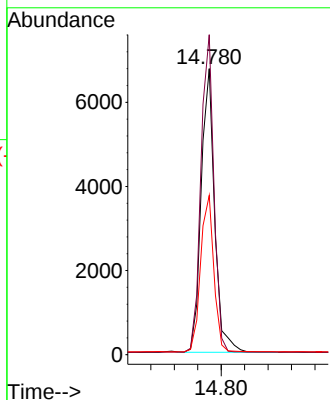
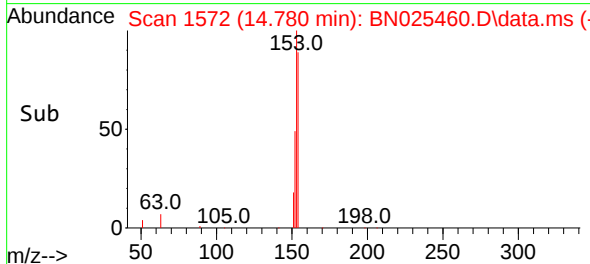
Instrument :  
BNA\_N  
ClientSampleId :  
CB-14-G1-SO-74-051523MSD



Tgt Ion:154 Resp: 1077  
Ion Ratio Lower Upper  
154 100  
153 107.6 90.6 135.8  
152 54.1 45.7 68.5

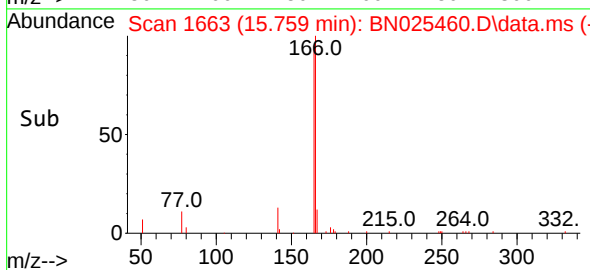
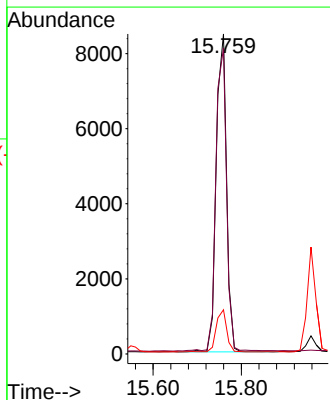
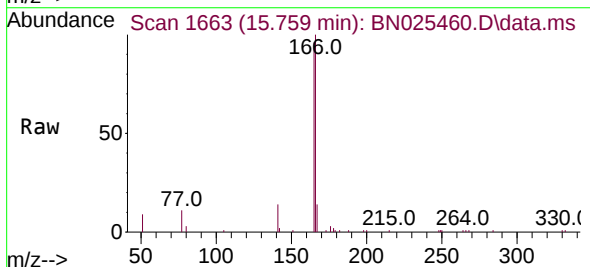
Manual Integrations  
APPROVED

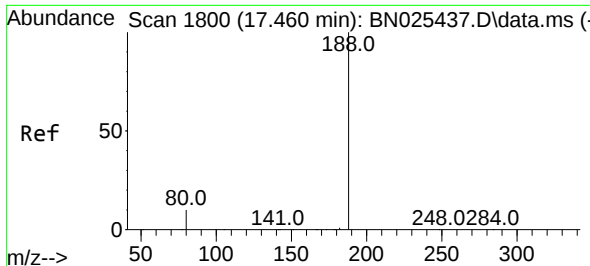
Reviewed By :Christian Giraldo 05/18/2023  
Supervised By :Jagrut Upadhyay 05/18/2023



#18  
Fluorene  
Concen: 0.396 ng  
RT: 15.759 min Scan# 1663  
Delta R.T. 0.000 min  
Lab File: BN025460.D  
Acq: 17 May 2023 19:18

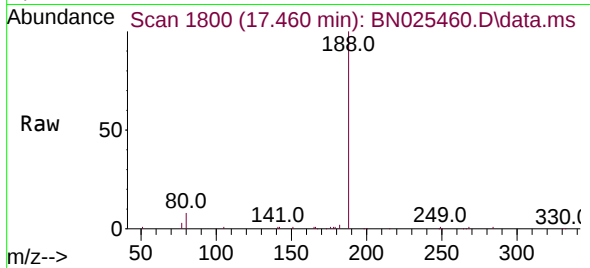
Tgt Ion:166 Resp: 13158  
Ion Ratio Lower Upper  
166 100  
165 98.0 76.7 115.1  
167 13.7 10.5 15.7





#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.460 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BN025460.D  
Acq: 17 May 2023 19:18

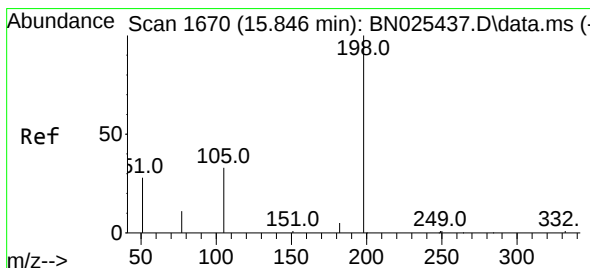
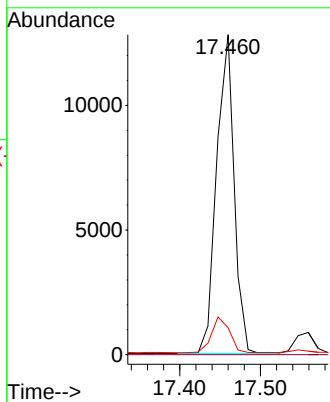
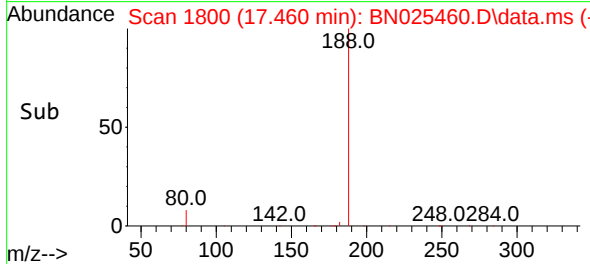
Instrument :  
BNA\_N  
ClientSampleId :  
CB-14-G1-SO-74-051523MSD



Tgt Ion:188 Resp: 19280  
Ion Ratio Lower Upper  
188 100  
94 0.0 0.0 0.0  
80 8.4 8.7 13.1

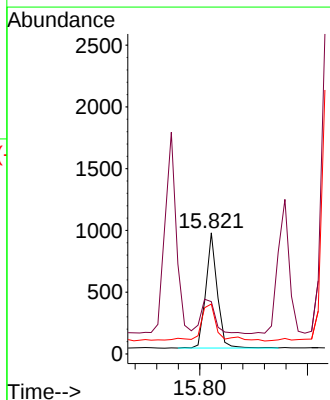
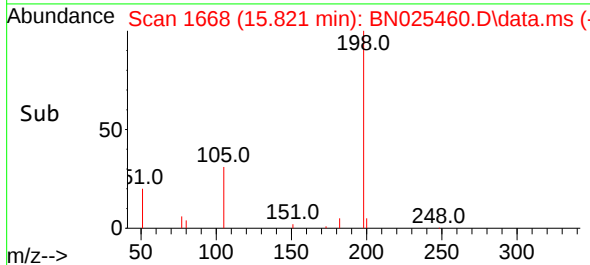
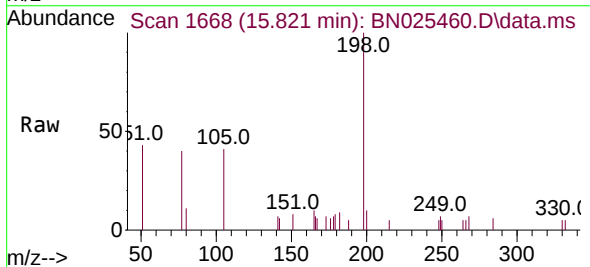
Manual Integrations  
APPROVED

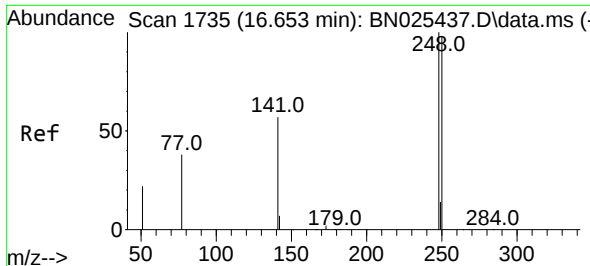
Reviewed By :Christian Giraldo 05/18/2023  
Supervised By :Jagrut Upadhyay 05/18/2023



#20  
4,6-Dinitro-2-methylphenol  
Concen: 0.553 ng  
RT: 15.821 min Scan# 1668  
Delta R.T. 0.000 min  
Lab File: BN025460.D  
Acq: 17 May 2023 19:18

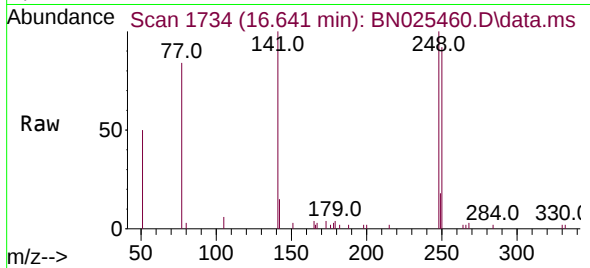
Tgt Ion:198 Resp: 1363  
Ion Ratio Lower Upper  
198 100  
51 43.1 68.5 102.7#  
105 41.2 57.6 86.4#





#21  
4-Bromophenyl-phenylether  
Concen: 0.426 ng  
RT: 16.641 min Scan# 1734  
Delta R.T. -0.012 min  
Lab File: BN025460.D  
Acq: 17 May 2023 19:18

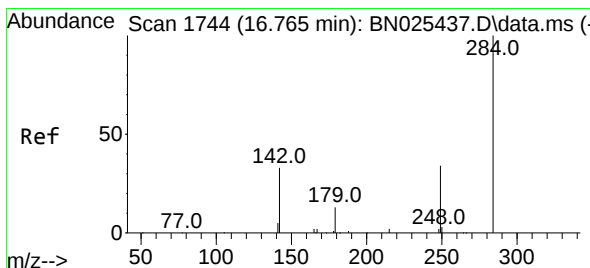
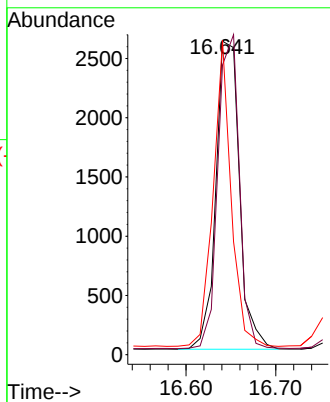
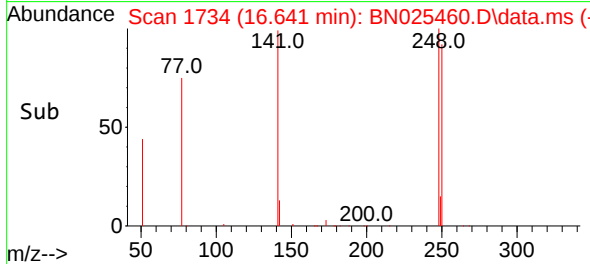
Instrument :  
BNA\_N  
ClientSampleId :  
CB-14-G1-SO-74-051523MSD



Tgt Ion:248 Resp: 4770  
Ion Ratio Lower Upper  
248 100  
250 92.5 79.0 118.4  
141 100.3 46.5 69.7

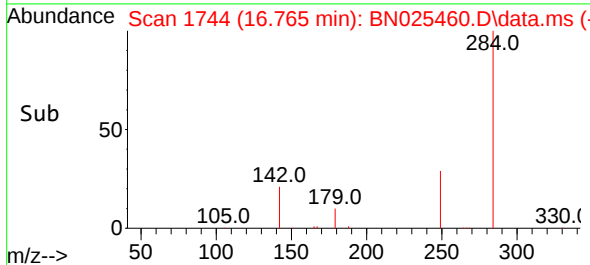
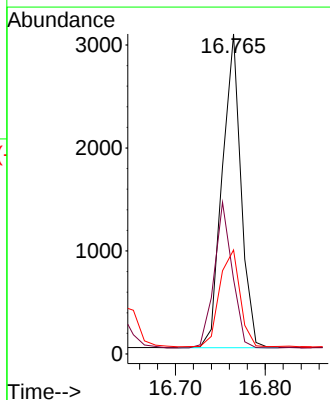
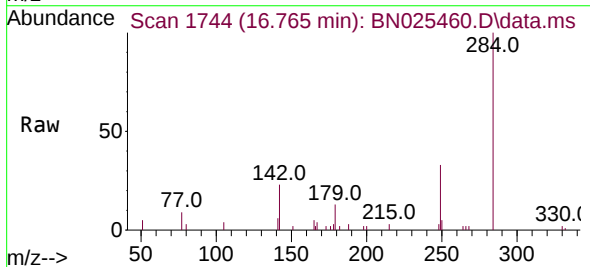
Manual Integrations  
APPROVED

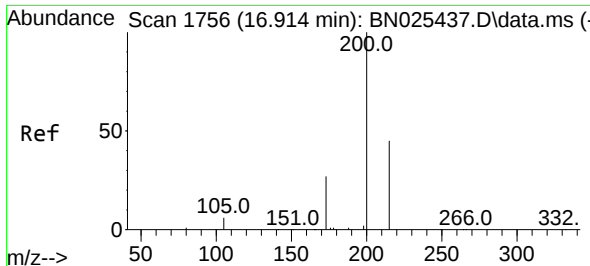
Reviewed By :Christian Giraldo 05/18/2023  
Supervised By :Jagrut Upadhyay 05/18/2023



#22  
Hexachlorobenzene  
Concen: 0.424 ng  
RT: 16.765 min Scan# 1744  
Delta R.T. 0.000 min  
Lab File: BN025460.D  
Acq: 17 May 2023 19:18

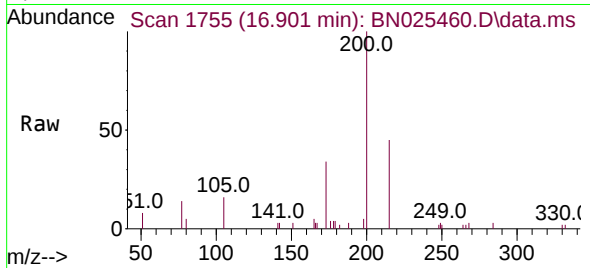
Tgt Ion:284 Resp: 4403  
Ion Ratio Lower Upper  
284 100  
142 45.0 35.2 52.8  
249 33.9 27.1 40.7





#23  
Atrazine  
Concen: 0.411 ng  
RT: 16.901 min Scan# 1755  
Delta R.T. 0.000 min  
Lab File: BN025460.D  
Acq: 17 May 2023 19:18

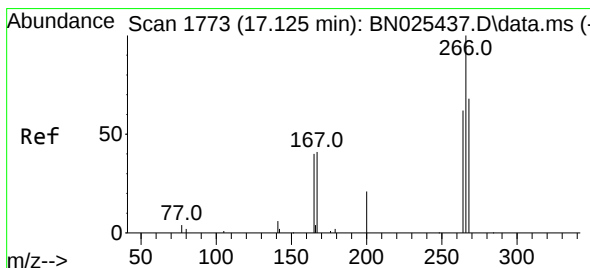
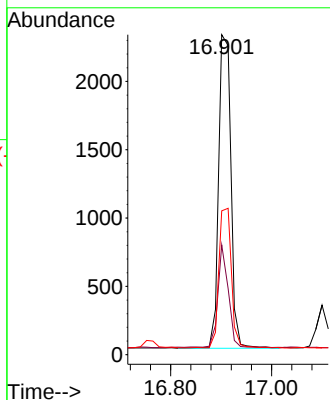
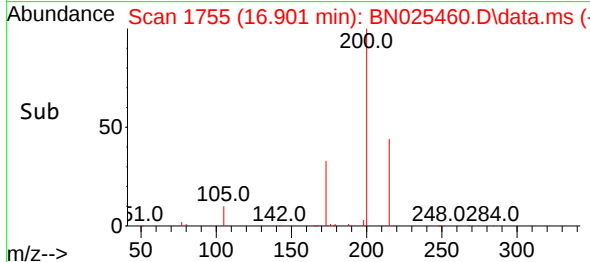
Instrument :  
BNA\_N  
ClientSampleId :  
CB-14-G1-SO-74-051523MSD



Tgt Ion:200 Resp: 3860  
Ion Ratio Lower Upper  
200 100  
173 34.3 22.4 33.6  
215 45.0 36.7 55.1

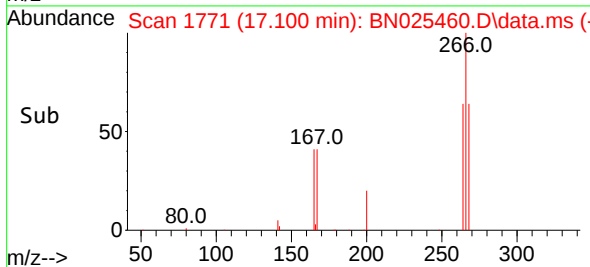
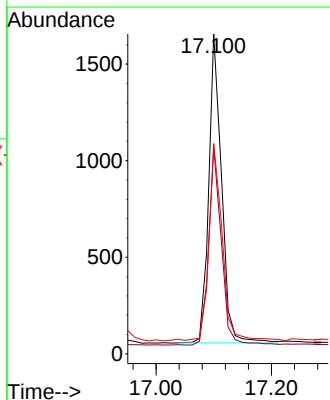
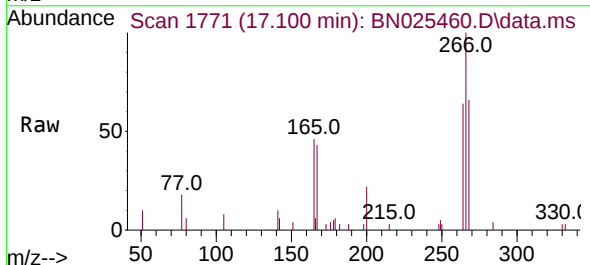
Manual Integrations  
APPROVED

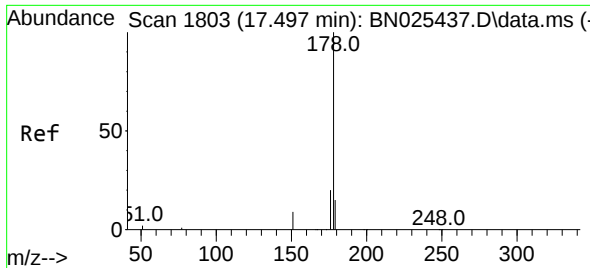
Reviewed By :Christian Giraldo 05/18/2023  
Supervised By :Jagrut Upadhyay 05/18/2023



#24  
Pentachlorophenol  
Concen: 0.687 ng  
RT: 17.100 min Scan# 1771  
Delta R.T. -0.012 min  
Lab File: BN025460.D  
Acq: 17 May 2023 19:18

Tgt Ion:266 Resp: 2454  
Ion Ratio Lower Upper  
266 100  
264 63.9 49.5 74.3  
268 65.5 51.0 76.4





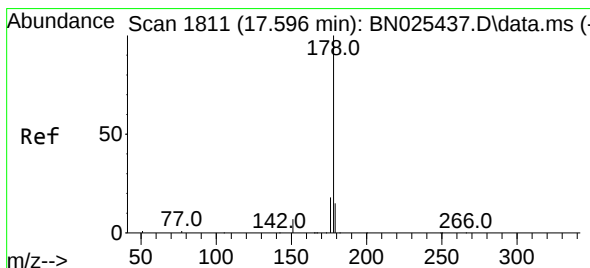
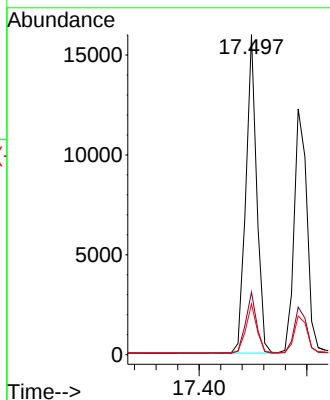
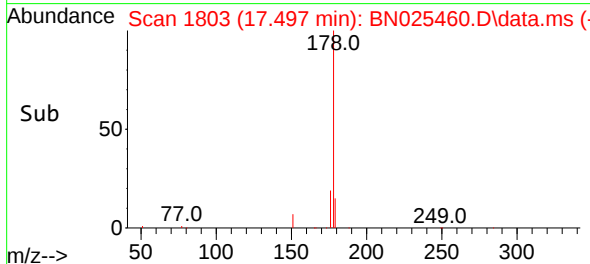
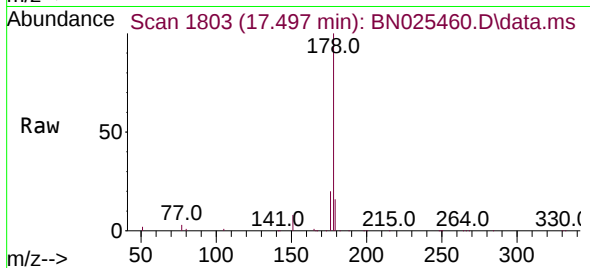
#25  
Phenanthrene  
Concen: 0.413 ng  
RT: 17.497 min Scan# 1803  
Delta R.T. 0.000 min  
Lab File: BN025460.D  
Acq: 17 May 2023 19:18

Instrument :  
BNA\_N  
ClientSampleId :  
CB-14-G1-SO-74-051523MSD

Tgt Ion:178 Resp: 2238  
Ion Ratio Lower Upper  
178 100  
176 19.2 15.6 23.4  
179 15.4 12.2 18.4

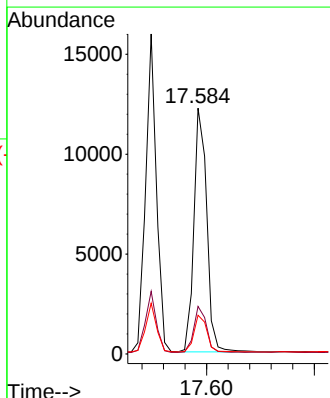
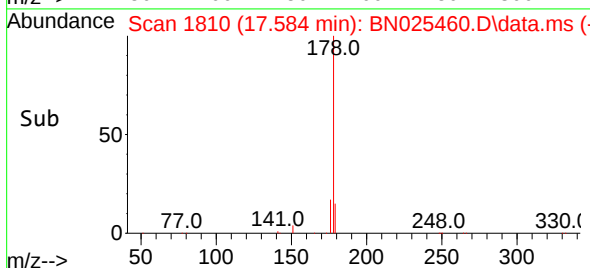
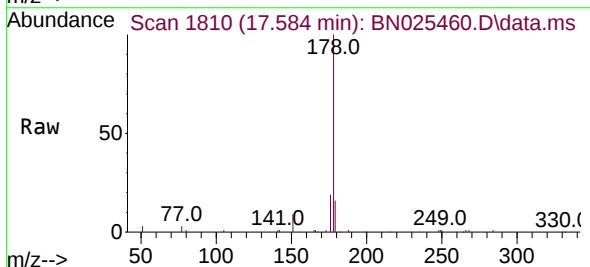
Manual Integrations  
APPROVED

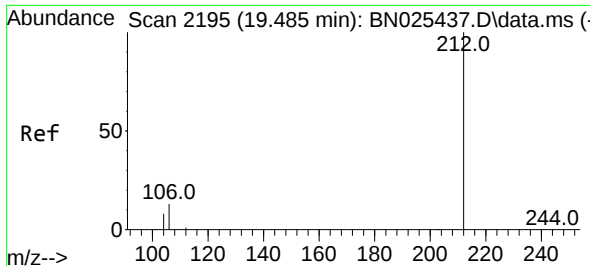
Reviewed By :Christian Giraldo 05/18/2023  
Supervised By :Jagrut Upadhyay 05/18/2023



#26  
Anthracene  
Concen: 0.386 ng  
RT: 17.584 min Scan# 1810  
Delta R.T. 0.000 min  
Lab File: BN025460.D  
Acq: 17 May 2023 19:18

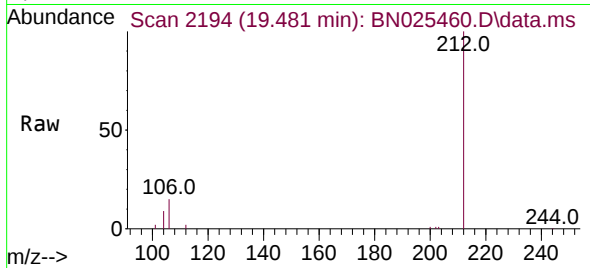
Tgt Ion:178 Resp: 20272  
Ion Ratio Lower Upper  
178 100  
176 18.6 14.9 22.3  
179 15.1 12.1 18.1





#27  
Fluoranthene-d10  
Concen: 0.344 ng  
RT: 19.481 min Scan# 2195  
Delta R.T. 0.000 min  
Lab File: BN025460.D  
Acq: 17 May 2023 19:18

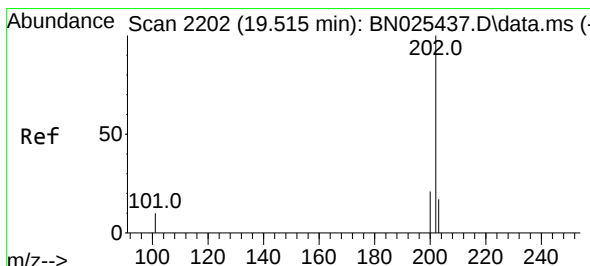
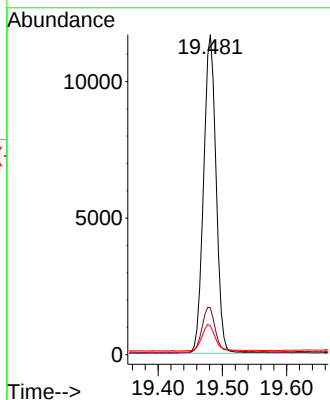
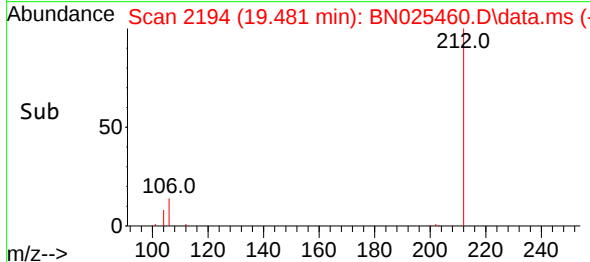
Instrument :  
BNA\_N  
ClientSampleId :  
CB-14-G1-SO-74-051523MSD



Tgt Ion:212 Resp: 15790  
Ion Ratio Lower Upper  
212 100  
106 15.3 11.1 16.7  
104 9.0 6.6 10.0

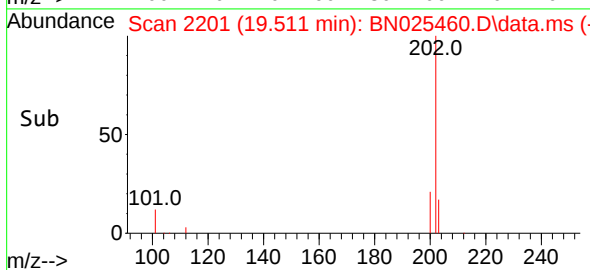
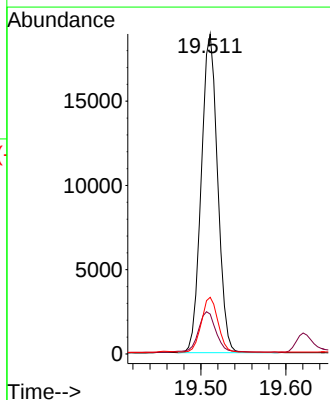
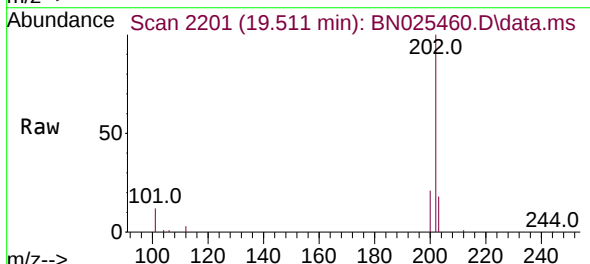
Manual Integrations  
APPROVED

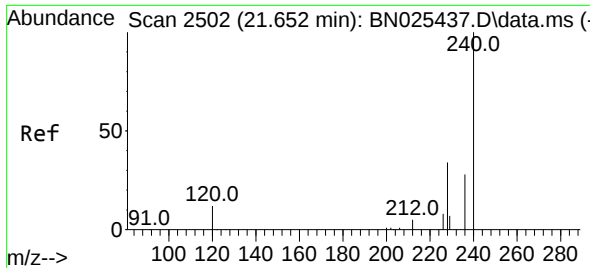
Reviewed By :Christian Giraldo 05/18/2023  
Supervised By :Jagrut Upadhyay 05/18/2023



#28  
Fluoranthene  
Concen: 0.393 ng  
RT: 19.511 min Scan# 2201  
Delta R.T. 0.000 min  
Lab File: BN025460.D  
Acq: 17 May 2023 19:18

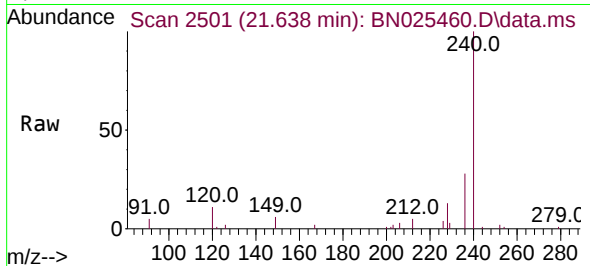
Tgt Ion:202 Resp: 25255  
Ion Ratio Lower Upper  
202 100  
101 13.9 8.6 13.0#  
203 17.3 13.9 20.9





#29  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.638 min Scan# 21  
Delta R.T. -0.005 min  
Lab File: BN025460.D  
Acq: 17 May 2023 19:18

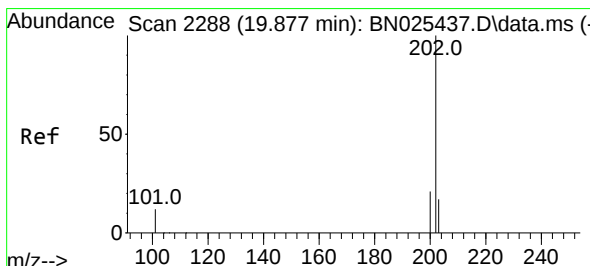
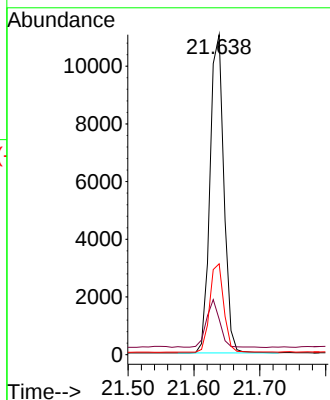
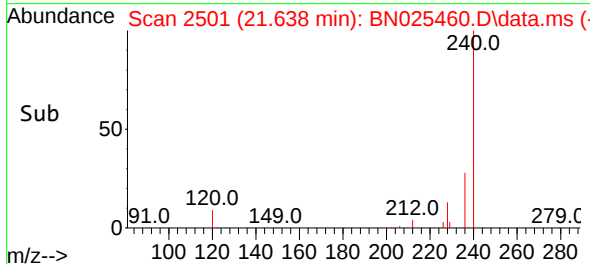
Instrument :  
BNA\_N  
ClientSampleId :  
CB-14-G1-SO-74-051523MSD



Tgt Ion:240 Resp: 1619  
Ion Ratio Lower Upper  
240 100  
120 11.1 11.6 17.4  
236 28.4 22.9 34.3

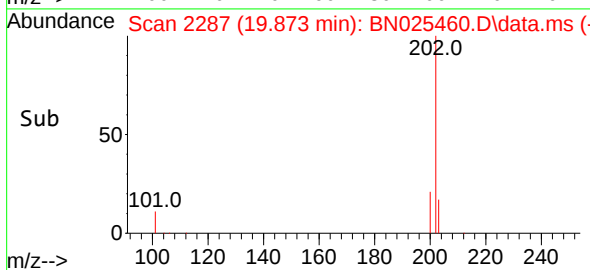
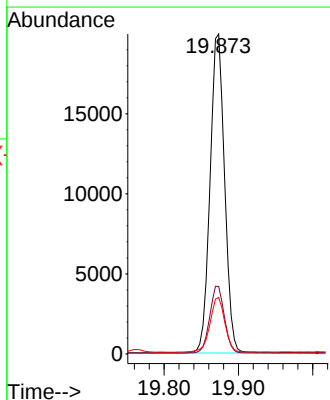
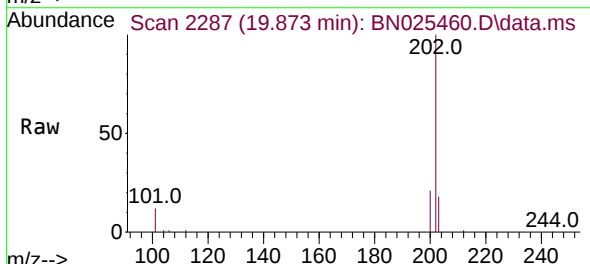
Manual Integrations  
APPROVED

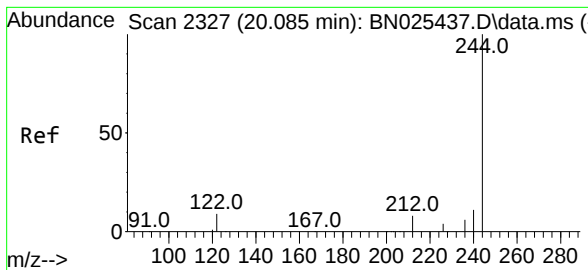
Reviewed By :Christian Giraldo 05/18/2023  
Supervised By :Jagrut Upadhyay 05/18/2023



#30  
Pyrene  
Concen: 0.437 ng  
RT: 19.873 min Scan# 2287  
Delta R.T. 0.000 min  
Lab File: BN025460.D  
Acq: 17 May 2023 19:18

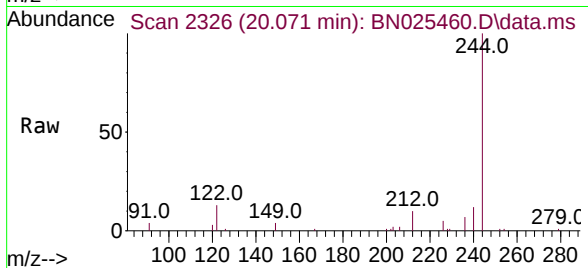
Tgt Ion:202 Resp: 27002  
Ion Ratio Lower Upper  
202 100  
200 21.1 17.0 25.4  
203 17.6 14.2 21.4





#31  
Terphenyl-d14  
Concen: 0.349 ng  
RT: 20.071 min Scan# 21  
Delta R.T. -0.005 min  
Lab File: BN025460.D  
Acq: 17 May 2023 19:18

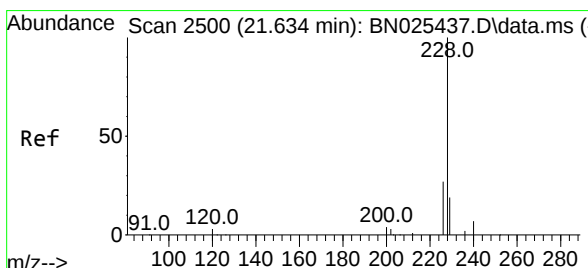
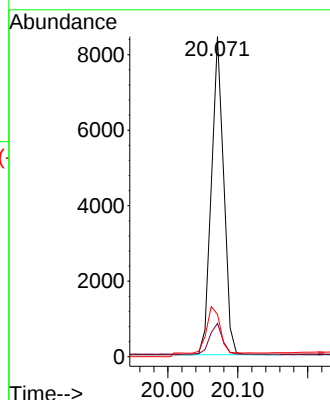
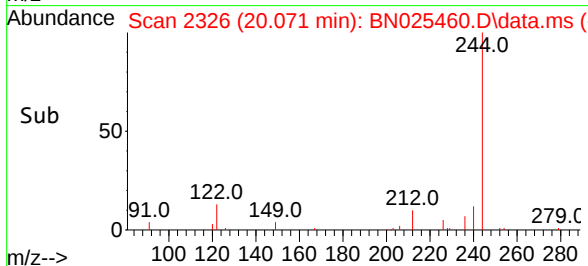
Instrument :  
BNA\_N  
ClientSampleId :  
CB-14-G1-SO-74-051523MSD



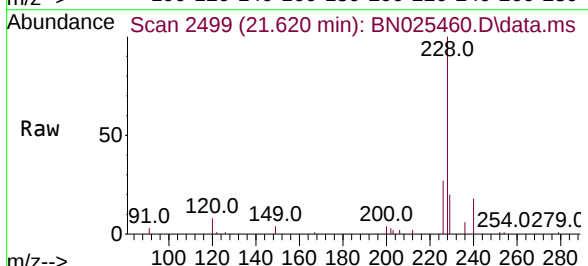
Tgt Ion:244 Resp: 10274  
Ion Ratio Lower Upper  
244 100  
212 10.4 6.9 10.3  
122 13.2 7.4 11.2

Manual Integrations  
APPROVED

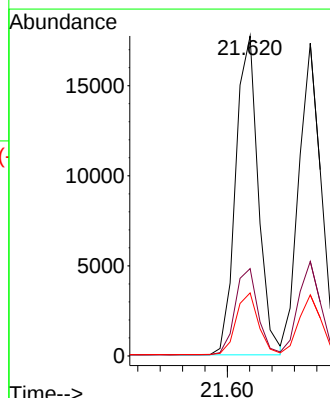
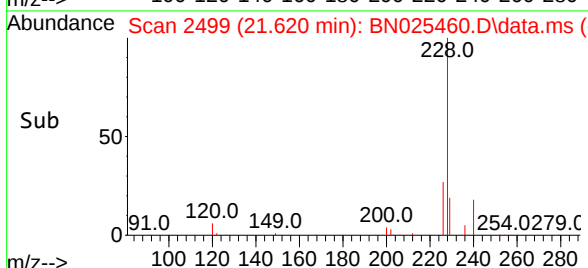
Reviewed By :Christian Giraldo 05/18/2023  
Supervised By :Jagrut Upadhyay 05/18/2023

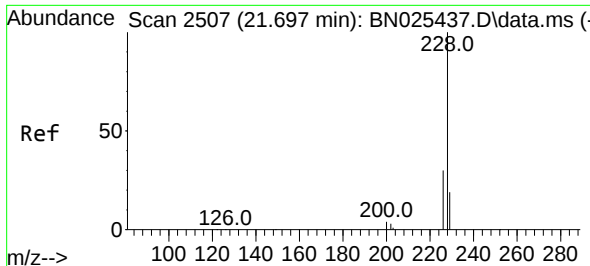


#32  
Benzo(a)anthracene  
Concen: 0.436 ng  
RT: 21.620 min Scan# 2499  
Delta R.T. -0.005 min  
Lab File: BN025460.D  
Acq: 17 May 2023 19:18



Tgt Ion:228 Resp: 24818  
Ion Ratio Lower Upper  
228 100  
226 27.3 22.1 33.1  
229 19.7 15.4 23.2





#33

Chrysene

Concen: 0.421 ng

RT: 21.674 min Scan# 21

Delta R.T. -0.005 min

Lab File: BN025460.D

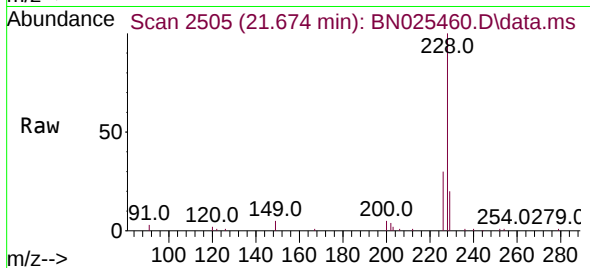
Acq: 17 May 2023 19:18

Instrument :

BNA\_N

ClientSampleId :

CB-14-G1-SO-74-051523MSD

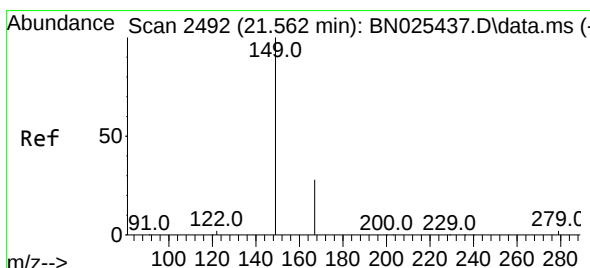
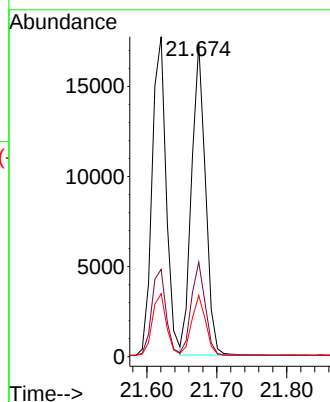


|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 228   | Resp: | 23800 |
| Ion Ratio | Lower | Upper |       |
| 228       | 100   |       |       |
| 226       | 30.3  | 23.9  | 35.9  |
| 229       | 19.5  | 15.8  | 23.6  |

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/18/2023  
Supervised By :Jagrut Upadhyay 05/18/2023



#34

Bis(2-ethylhexyl)phthalate

Concen: 1.076 ng

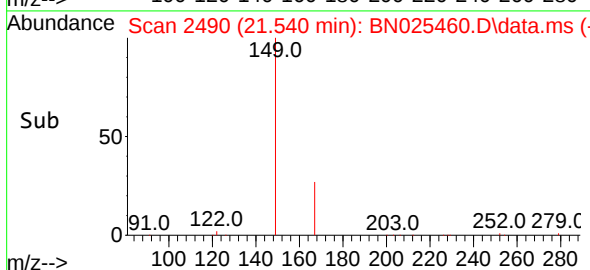
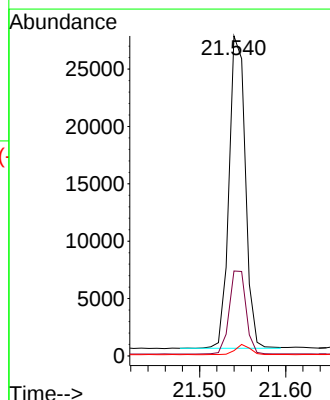
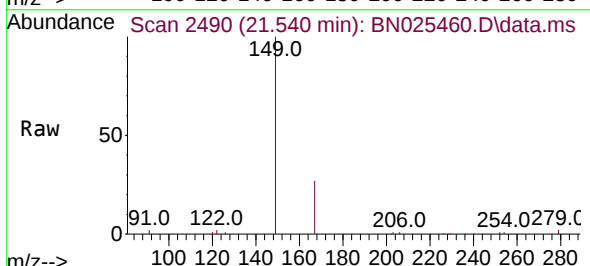
RT: 21.540 min Scan# 2490

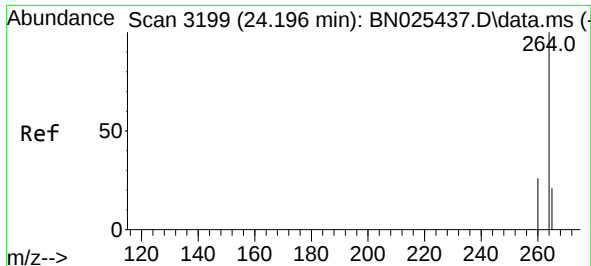
Delta R.T. -0.014 min

Lab File: BN025460.D

Acq: 17 May 2023 19:18

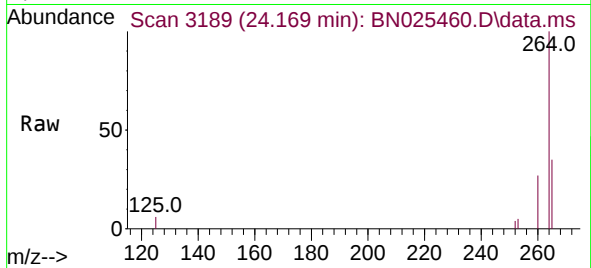
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 149   | Resp: | 35809 |
| Ion Ratio | Lower | Upper |       |
| 149       | 100   |       |       |
| 167       | 27.5  | 22.2  | 33.4  |
| 279       | 3.0   | 2.5   | 3.7   |





#35  
Perylene-d12  
Concen: 0.400 ng  
RT: 24.169 min Scan# 3199  
Delta R.T. -0.010 min  
Lab File: BN025460.D  
Acq: 17 May 2023 19:18

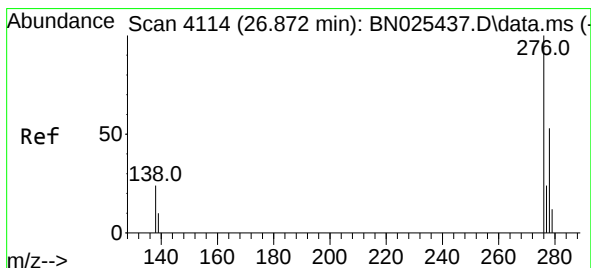
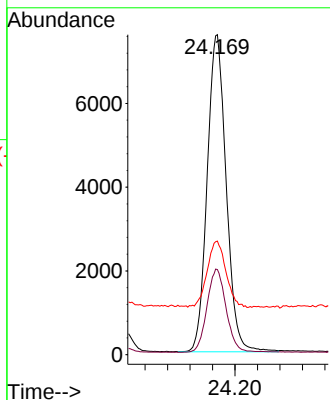
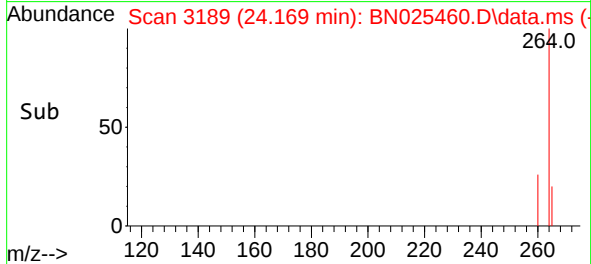
Instrument :  
BNA\_N  
ClientSampleId :  
CB-14-G1-SO-74-051523MSD



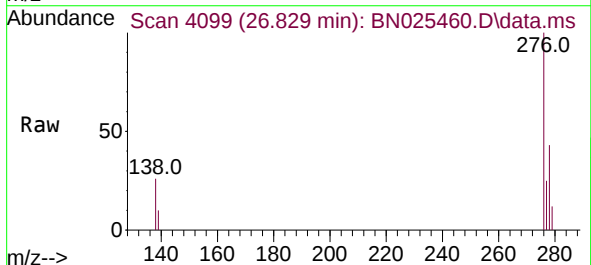
Tgt Ion:264 Resp: 17750  
Ion Ratio Lower Upper  
264 100  
260 26.6 21.0 31.6  
265 35.5 25.5 38.3

Manual Integrations  
APPROVED

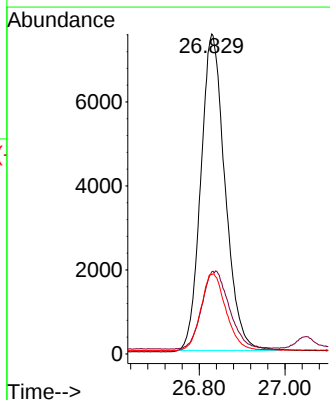
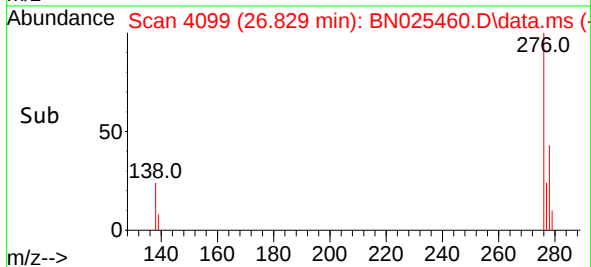
Reviewed By :Christian Giraldo 05/18/2023  
Supervised By :Jagrut Upadhyay 05/18/2023

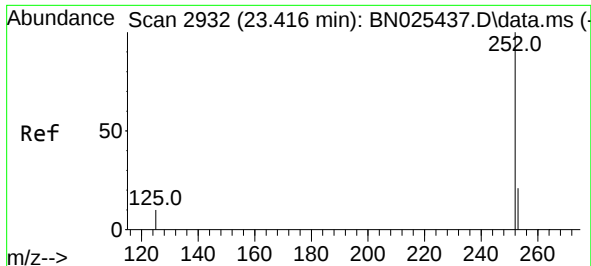


#36  
Indeno(1,2,3-cd)pyrene  
Concen: 0.412 ng  
RT: 26.829 min Scan# 4099  
Delta R.T. -0.028 min  
Lab File: BN025460.D  
Acq: 17 May 2023 19:18



Tgt Ion:276 Resp: 29557  
Ion Ratio Lower Upper  
276 100  
138 12.9 21.0 31.6#  
277 24.8 19.8 29.6





#37

Benzo(b)fluoranthene

Concen: 0.426 ng

RT: 23.391 min Scan# 2941

Delta R.T. -0.013 min

Lab File: BN025460.D

Acq: 17 May 2023 19:18

Instrument :

BNA\_N

ClientSampleId :

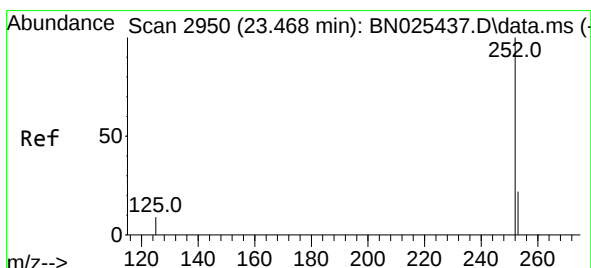
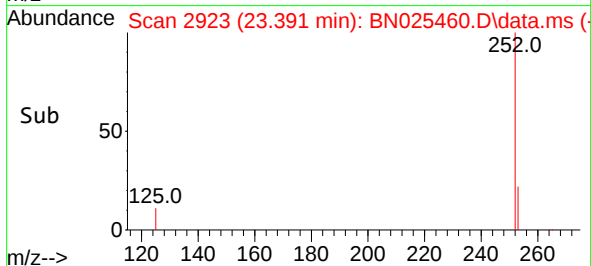
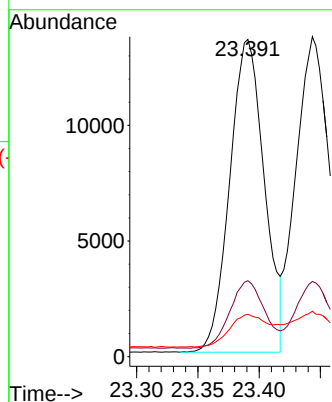
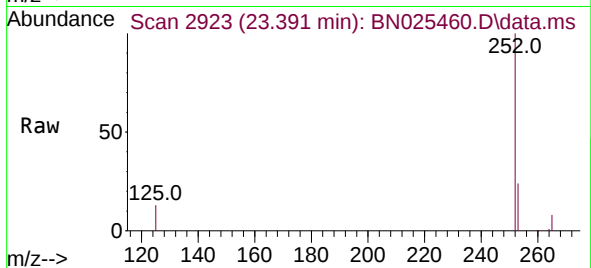
CB-14-G1-SO-74-051523MSD

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:252 | Resp: | 2652      |
| Ion Ratio   | Lower | Upper     |
| 252         | 100   |           |
| 253         | 24.0  | 19.0 28.4 |
| 125         | 13.4  | 9.4 14.2  |

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/18/2023  
Supervised By :Jagrut Upadhyay 05/18/2023



#38

Benzo(k)fluoranthene

Concen: 0.415 ng

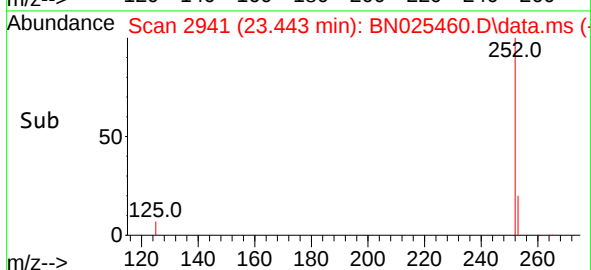
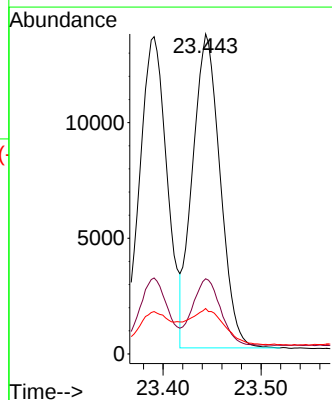
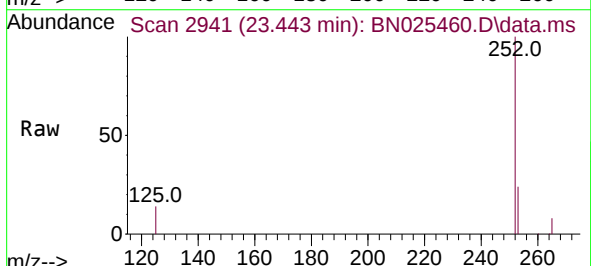
RT: 23.443 min Scan# 2941

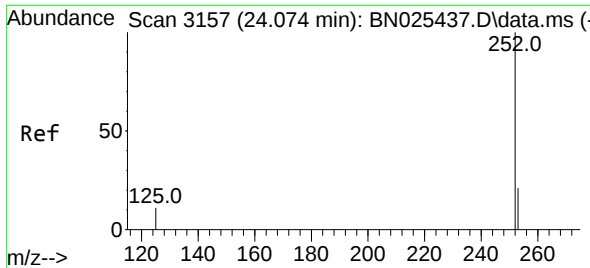
Delta R.T. -0.013 min

Lab File: BN025460.D

Acq: 17 May 2023 19:18

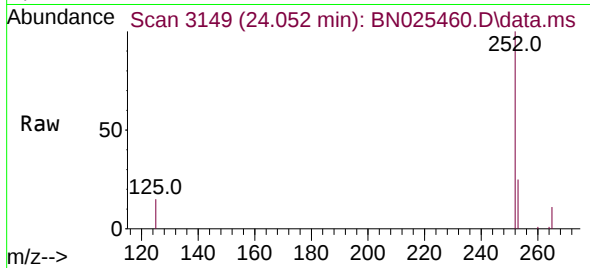
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:252 | Resp: | 26548     |
| Ion Ratio   | Lower | Upper     |
| 252         | 100   |           |
| 253         | 23.5  | 19.1 28.7 |
| 125         | 14.2  | 9.5 14.3  |





#39  
Benzo(a)pyrene  
Concen: 0.377 ng  
RT: 24.052 min Scan# 3157  
Delta R.T. -0.013 min  
Lab File: BN025460.D  
Acq: 17 May 2023 19:18

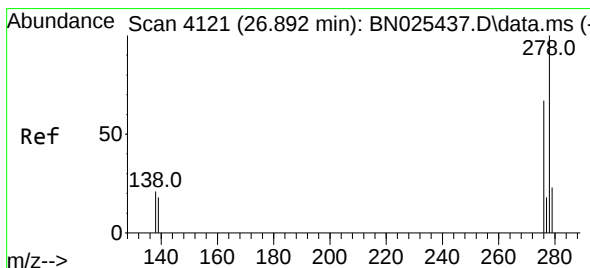
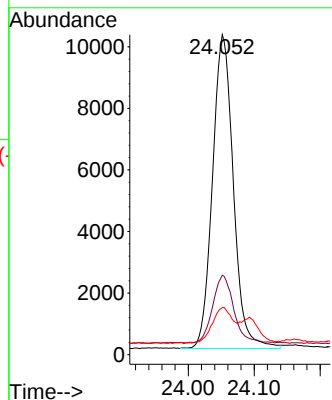
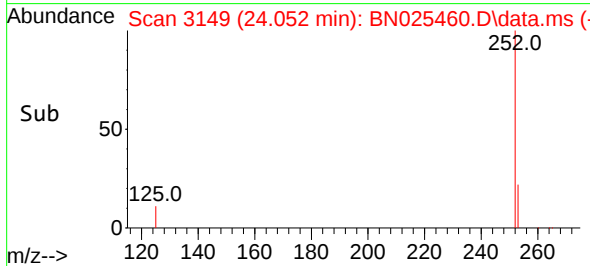
Instrument :  
BNA\_N  
ClientSampleId :  
CB-14-G1-SO-74-051523MSD



Tgt Ion:252 Resp: 22369  
Ion Ratio Lower Upper  
252 100  
253 24.8 19.5 29.3  
125 14.7 10.2 15.4

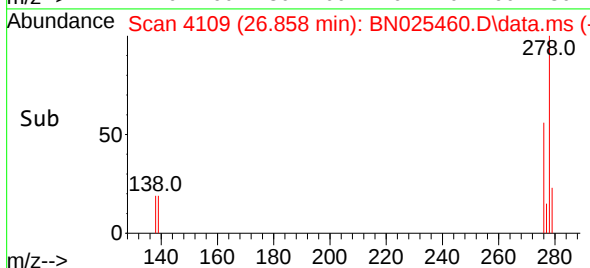
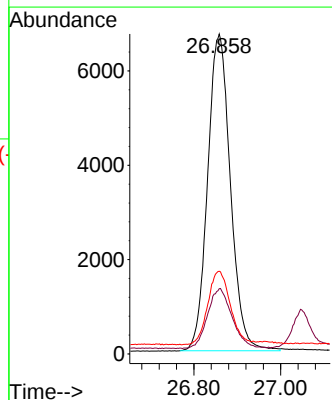
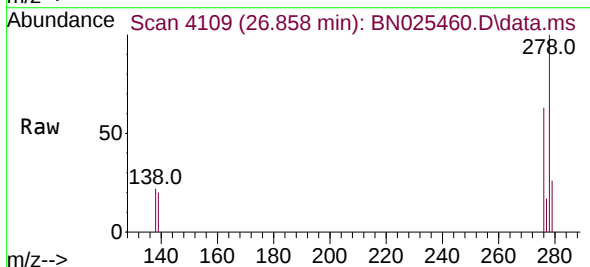
Manual Integrations  
APPROVED

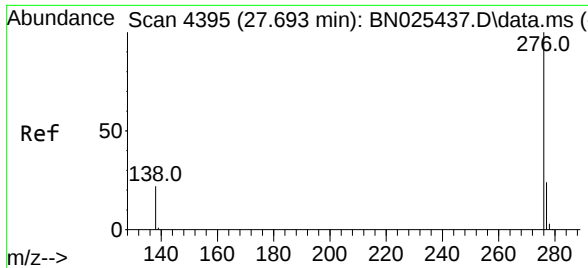
Reviewed By :Christian Giraldo 05/18/2023  
Supervised By :Jagrut Upadhyay 05/18/2023



#40  
Dibenzo(a,h)anthracene  
Concen: 0.425 ng  
RT: 26.858 min Scan# 4109  
Delta R.T. -0.016 min  
Lab File: BN025460.D  
Acq: 17 May 2023 19:18

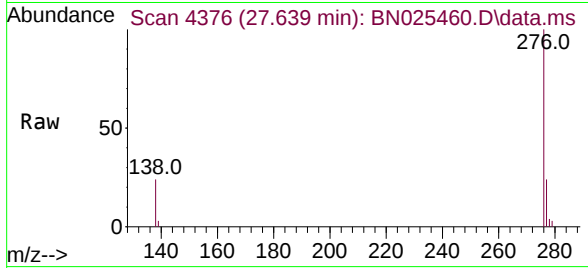
Tgt Ion:278 Resp: 24521  
Ion Ratio Lower Upper  
278 100  
139 20.4 15.0 22.4  
279 25.8 20.1 30.1





#41  
Benzo(g,h,i)perylene  
Concen: 0.413 ng  
RT: 27.639 min Scan# 41  
Delta R.T. -0.037 min  
Lab File: BN025460.D  
Acq: 17 May 2023 19:18

Instrument :  
BNA\_N  
ClientSampleId :  
CB-14-G1-SO-74-051523MSD



Tgt Ion:276 Resp: 25089  
Ion Ratio Lower Upper  
276 100  
277 24.4 19.6 29.4  
138 23.6 19.0 28.6

Manual Integrations  
APPROVED

Reviewed By :Christian Giraldo 05/18/2023  
Supervised By :Jagrut Upadhyay 05/18/2023

