

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN052223\  
 Data File : BN025548.D  
 Acq On : 22 May 2023 21:29  
 Operator : CG/JU  
 Sample : PB152882BS  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 PB152882BS

Manual Integrations  
 APPROVED

Reviewed By :Christian Giraldo 05/23/2023  
 Supervised By :Jagrut Upadhyay 05/23/2023

Quant Time: May 23 03:35:03 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN052223.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue May 23 03:22:57 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.070  | 152  | 3474     | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.889 | 136  | 9956     | 0.400 | ng    | 0.00     |
| 13) Acenaphthene-d10          | 14.694 | 164  | 5864     | 0.400 | ng    | 0.00     |
| 19) Phenanthrene-d10          | 17.435 | 188  | 13222    | 0.400 | ng    | 0.00     |
| 29) Chrysene-d12              | 21.616 | 240  | 9937     | 0.400 | ng    | 0.00     |
| 35) Perylene-d12              | 24.135 | 264  | 10496    | 0.400 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.600  | 112  | 3793     | 0.424 | ng    | 0.00     |
| 5) Phenol-d6                  | 7.211  | 99   | 4844     | 0.430 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 9.234  | 82   | 3743     | 0.408 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10   | 12.464 | 152  | 5933     | 0.406 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 16.181 | 330  | 979      | 0.400 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl          | 13.326 | 172  | 10707    | 0.421 | ng    | 0.00     |
| 27) Fluoranthene-d10          | 19.460 | 212  | 12346    | 0.394 | ng    | 0.00     |
| 31) Terphenyl-d14             | 20.049 | 244  | 9042     | 0.439 | ng    | 0.00     |
| Target Compounds              |        |      |          |       |       |          |
|                               |        |      |          |       |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.448  | 88   | 1654     | 0.411 | ng    | 99       |
| 3) n-Nitrosodimethylamine     | 3.787  | 42   | 1766     | 0.370 | ng    | 94       |
| 6) bis(2-Chloroethyl)ether    | 7.478  | 93   | 4333     | 0.420 | ng    | 100      |
| 9) Naphthalene                | 10.931 | 128  | 11300    | 0.409 | ng    | 99       |
| 10) Hexachlorobutadiene       | 11.230 | 225  | 2015     | 0.418 | ng    | # 98     |
| 12) 2-Methylnaphthalene       | 12.536 | 142  | 7932     | 0.406 | ng    | 98       |
| 16) Acenaphthylene            | 14.416 | 152  | 11574    | 0.402 | ng    | 99       |
| 17) Acenaphthene              | 14.758 | 154  | 8118     | 0.409 | ng    | 99       |
| 18) Fluorene                  | 15.735 | 166  | 10304    | 0.416 | ng    | 98       |
| 20) 4,6-Dinitro-2-methylph... | 15.809 | 198  | 1275     | 0.364 | ng    | 96       |
| 21) 4-Bromophenyl-phenylether | 16.628 | 248  | 3205     | 0.409 | ng    | 96       |
| 22) Hexachlorobenzene         | 16.740 | 284  | 2875     | 0.412 | ng    | 98       |
| 23) Atrazine                  | 16.889 | 200  | 2719     | 0.394 | ng    | 98       |
| 24) Pentachlorophenol         | 17.087 | 266  | 1427     | 0.362 | ng    | 99       |
| 25) Phenanthrene              | 17.472 | 178  | 17059    | 0.401 | ng    | 100      |
| 26) Anthracene                | 17.572 | 178  | 15480    | 0.401 | ng    | 99       |
| 28) Fluoranthene              | 19.490 | 202  | 18660    | 0.397 | ng    | 100      |
| 30) Pyrene                    | 19.848 | 202  | 18854    | 0.420 | ng    | 100      |
| 32) Benzo(a)anthracene        | 21.598 | 228  | 16266    | 0.414 | ng    | 99       |
| 33) Chrysene                  | 21.652 | 228  | 16946    | 0.415 | ng    | 100      |
| 34) Bis(2-ethylhexyl)phtha... | 21.518 | 149  | 9932     | 0.406 | ng    | 100      |
| 36) Indeno(1,2,3-cd)pyrene    | 26.764 | 276  | 20060    | 0.418 | ng    | 98       |
| 37) Benzo(b)fluoranthene      | 23.357 | 252  | 17319m   | 0.410 | ng    |          |
| 38) Benzo(k)fluoranthene      | 23.413 | 252  | 16916    | 0.393 | ng    | 99       |
| 39) Benzo(a)pyrene            | 24.015 | 252  | 15861    | 0.408 | ng    | # 95     |
| 40) Dibenzo(a,h)anthracene    | 26.796 | 278  | 16267    | 0.418 | ng    | 98       |
| 41) Benzo(g,h,i)perylene      | 27.576 | 276  | 16504    | 0.403 | ng    | 99       |
| -----                         |        |      |          |       |       |          |

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

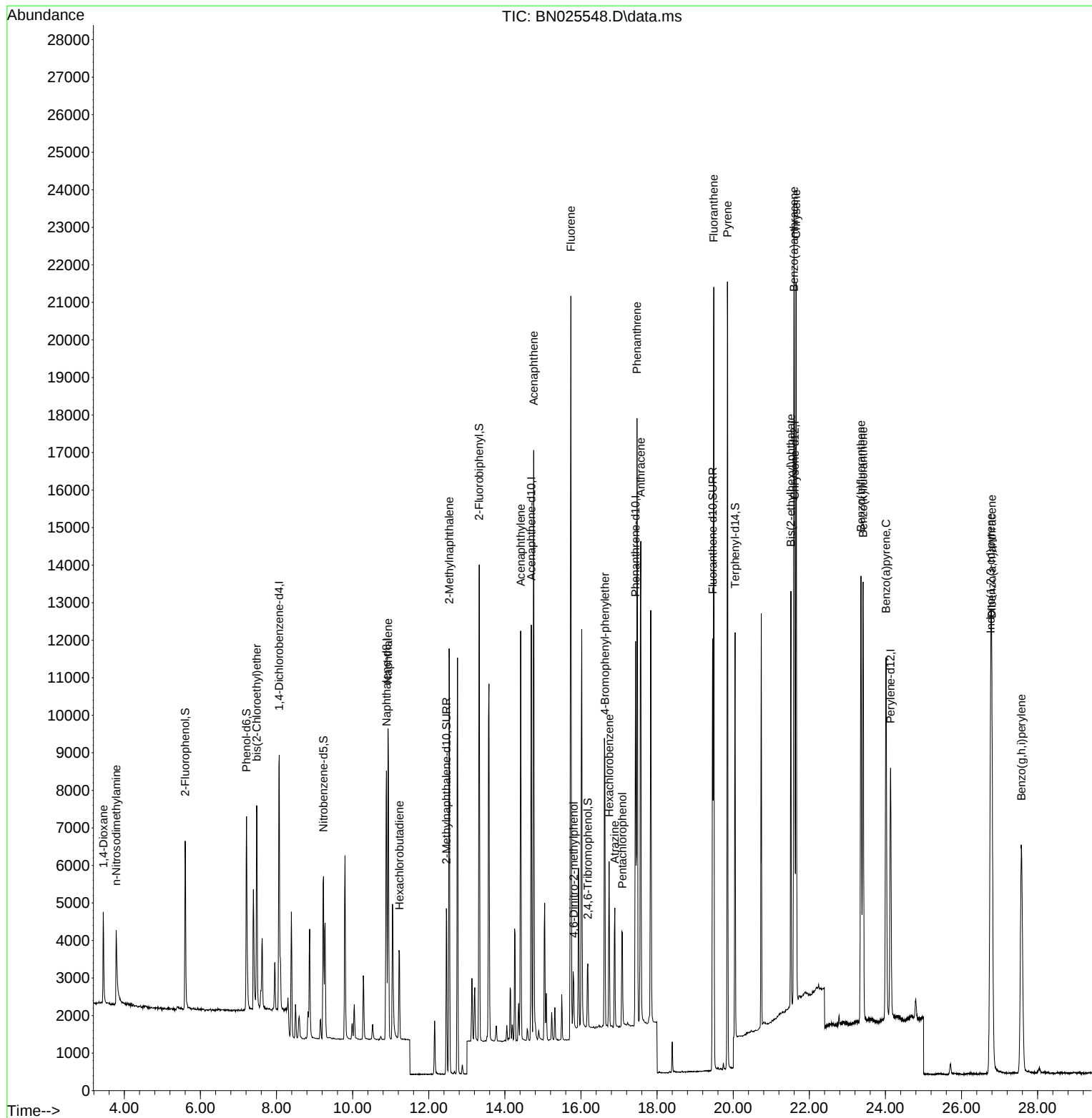
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Data File : BN025548.D  
Acq On : 22 May 2023 21:29  
Operator : CG/JU  
Sample : PB152882BS  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

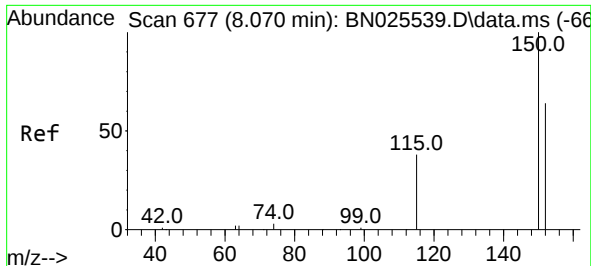
Instrument :  
BNA\_N  
ClientSampleId :  
PB152882BS

Manual Integrations  
APPROVED

Reviewed By :Christian Giraldo 05/23/2023  
Supervised By :Jagrut Upadhyay 05/23/2023

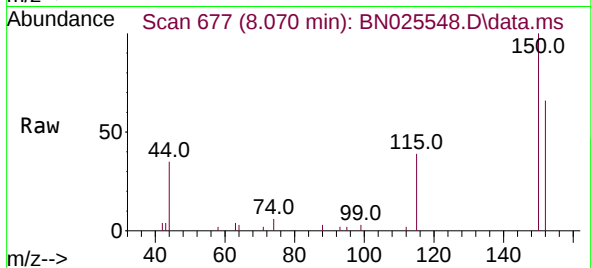
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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN052223.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue May 23 03:22:57 2023  
Response via : Initial Calibration





#1  
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 8.070 min Scan# 61  
Delta R.T. 0.000 min  
Lab File: BN025548.D  
Acq: 22 May 2023 21:29

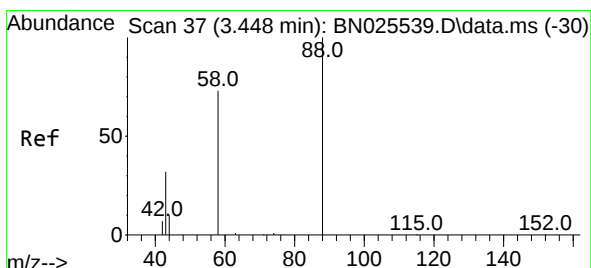
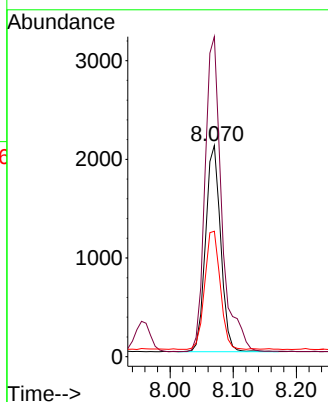
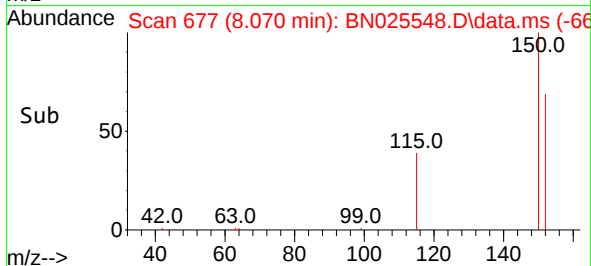
Instrument :  
BNA\_N  
ClientSampleId :  
PB152882BS



Tgt Ion:152 Resp: 3474  
Ion Ratio Lower Upper  
152 100  
150 151.5 124.6 187.0  
115 59.4 49.1 73.7

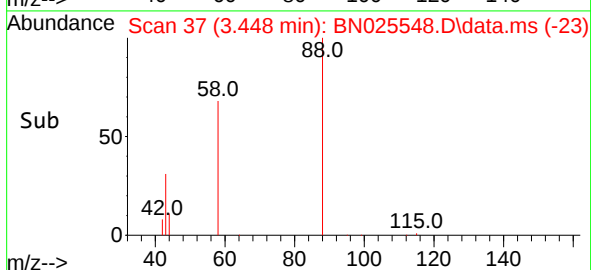
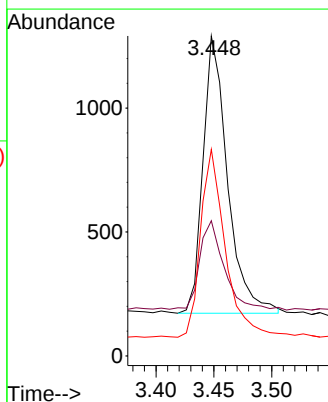
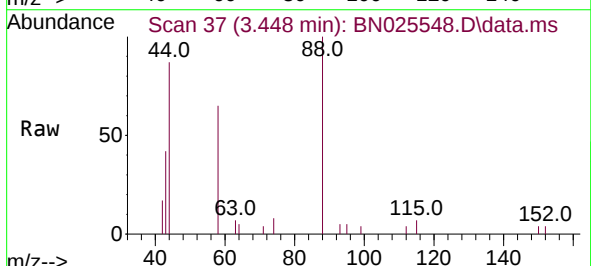
Manual Integrations  
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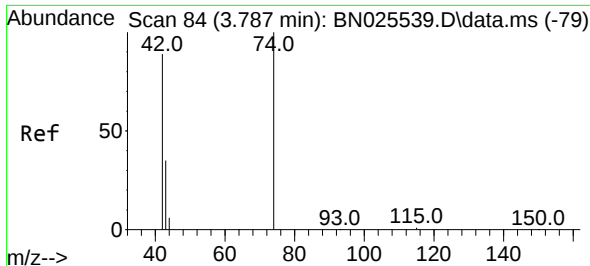
Reviewed By :Christian Giraldo 05/23/2023  
Supervised By :Jagrut Upadhyay 05/23/2023



#2  
1,4-Dioxane  
Concen: 0.411 ng  
RT: 3.448 min Scan# 37  
Delta R.T. 0.000 min  
Lab File: BN025548.D  
Acq: 22 May 2023 21:29

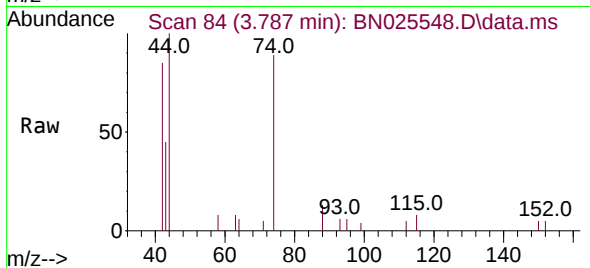
Tgt Ion: 88 Resp: 1654  
Ion Ratio Lower Upper  
88 100  
43 31.0 25.8 38.8  
58 68.4 54.9 82.3





#3  
 n-Nitrosodimethylamine  
 Concen: 0.370 ng  
 RT: 3.787 min Scan# 84  
 Delta R.T. 0.000 min  
 Lab File: BN025548.D  
 Acq: 22 May 2023 21:29

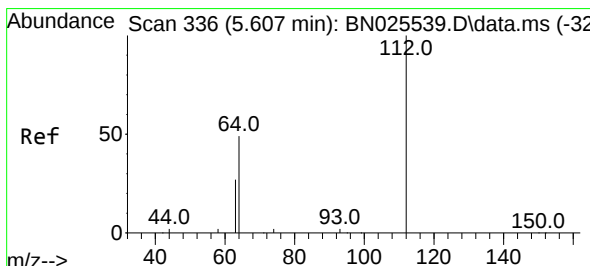
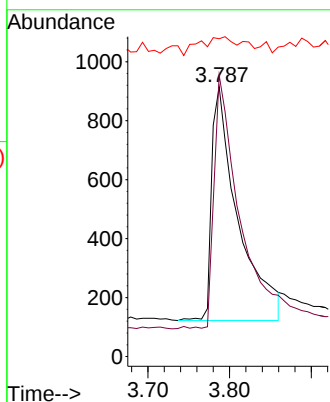
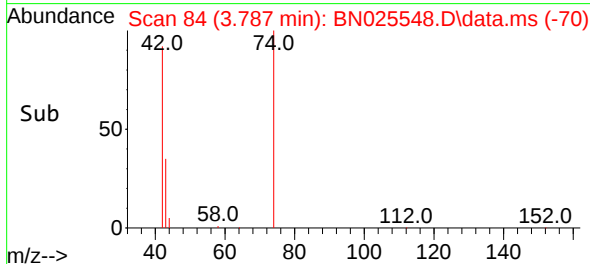
Instrument :  
 BNA\_N  
 ClientSampleId :  
 PB152882BS



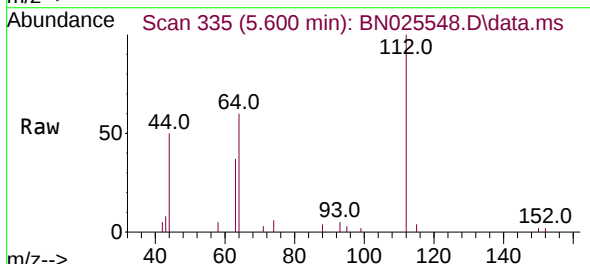
Tgt Ion: 42 Resp: 1760  
 Ion Ratio Lower Upper  
 42 100  
 74 105.4 89.7 134.5  
 44 10.3 7.5 11.3

Manual Integrations  
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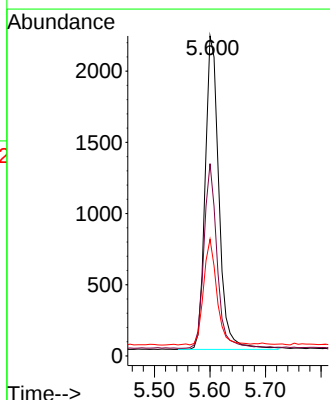
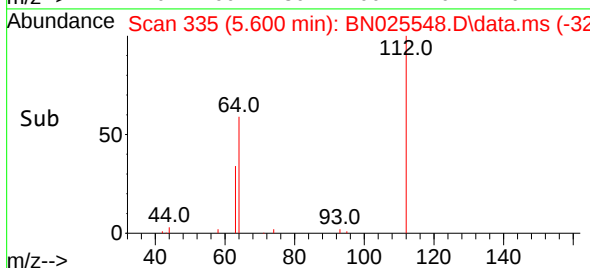
Reviewed By :Christian Giraldo 05/23/2023  
 Supervised By :Jagrut Upadhyay 05/23/2023

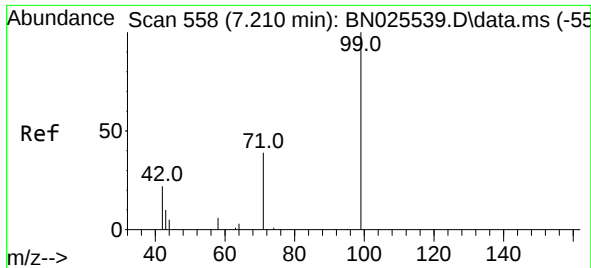


#4  
 2-Fluorophenol  
 Concen: 0.424 ng  
 RT: 5.600 min Scan# 335  
 Delta R.T. -0.007 min  
 Lab File: BN025548.D  
 Acq: 22 May 2023 21:29



Tgt Ion:112 Resp: 3793  
 Ion Ratio Lower Upper  
 112 100  
 64 57.1 44.2 66.4  
 63 32.4 25.4 38.2





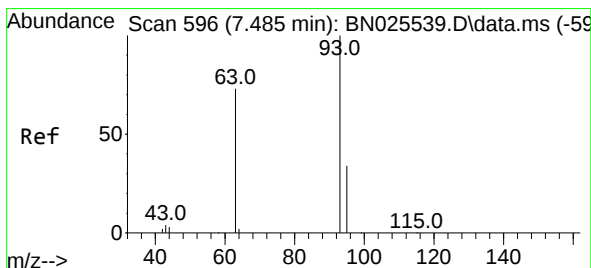
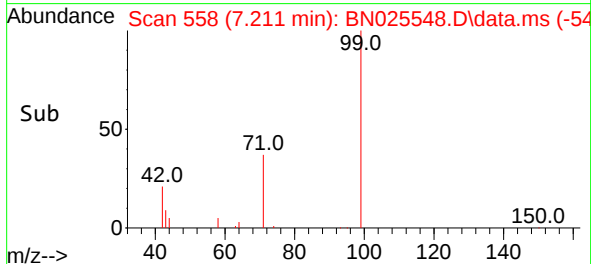
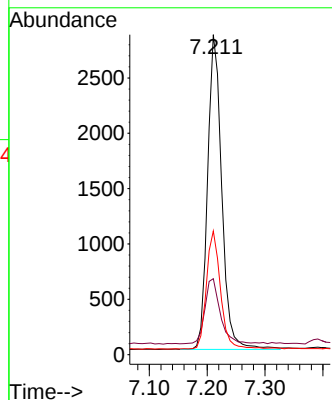
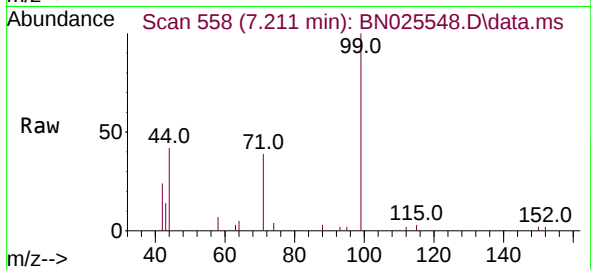
#5  
Phenol-d6  
Concen: 0.430 ng  
RT: 7.211 min Scan# 51  
Delta R.T. 0.000 min  
Lab File: BN025548.D  
Acq: 22 May 2023 21:29

Instrument :  
BNA\_N  
ClientSampleId :  
PB152882BS

Tgt Ion: 99 Resp: 484  
Ion Ratio Lower Upper  
99 100  
42 22.3 17.5 26.3  
71 37.2 30.1 45.1

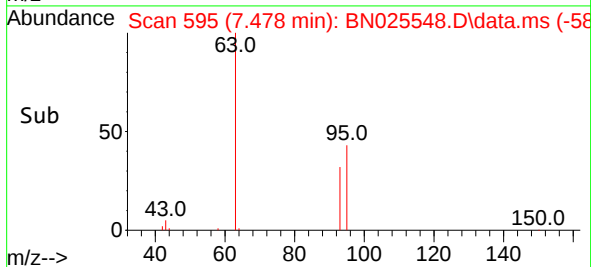
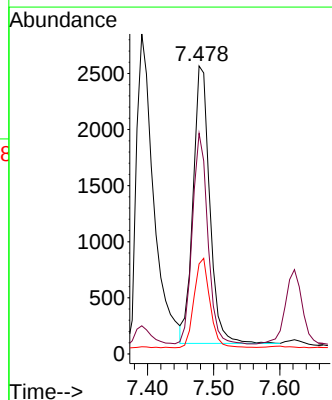
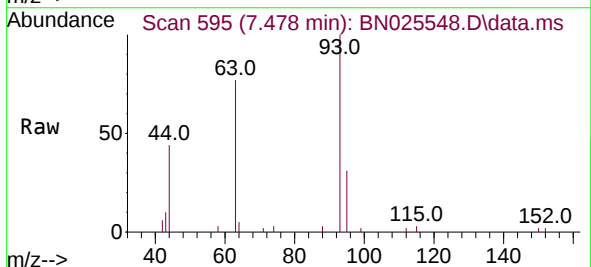
Manual Integrations  
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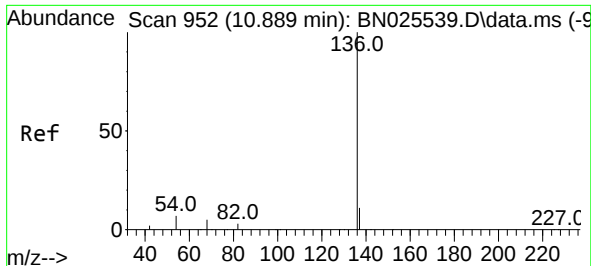
Reviewed By :Christian Giraldo 05/23/2023  
Supervised By :Jagrut Upadhyay 05/23/2023



#6  
bis(2-Chloroethyl)ether  
Concen: 0.420 ng  
RT: 7.478 min Scan# 595  
Delta R.T. -0.007 min  
Lab File: BN025548.D  
Acq: 22 May 2023 21:29

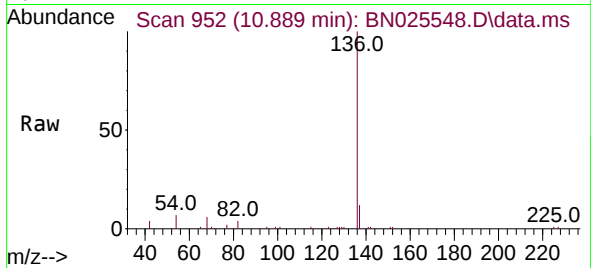
Tgt Ion: 93 Resp: 4333  
Ion Ratio Lower Upper  
93 100  
63 70.8 56.9 85.3  
95 30.8 24.9 37.3





#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.889 min Scan# 952  
Delta R.T. 0.000 min  
Lab File: BN025548.D  
Acq: 22 May 2023 21:29

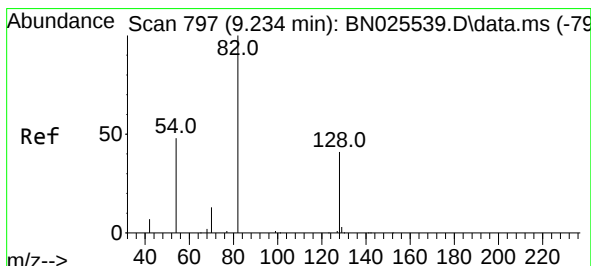
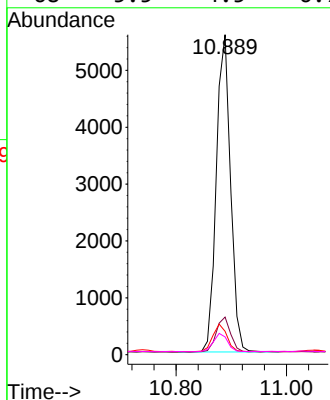
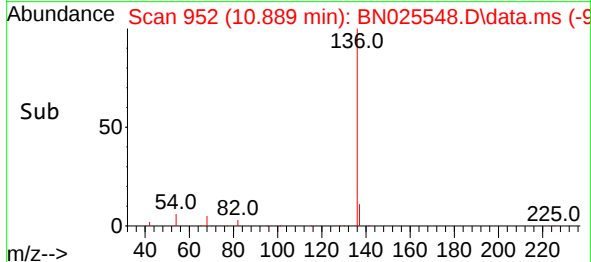
Instrument :  
BNA\_N  
ClientSampleId :  
PB152882BS



| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 136     | 100   |       |       |
| 137     | 11.8  | 9.1   | 13.7  |
| 54      | 7.3   | 6.2   | 9.4   |
| 68      | 5.5   | 4.5   | 6.7   |

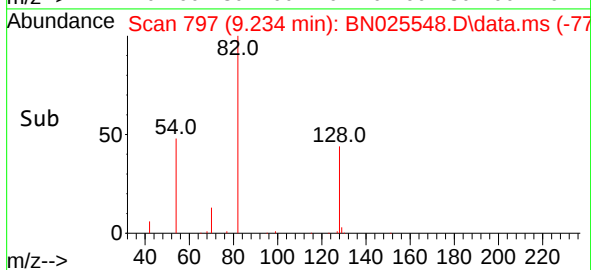
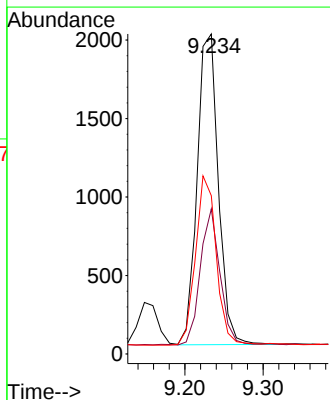
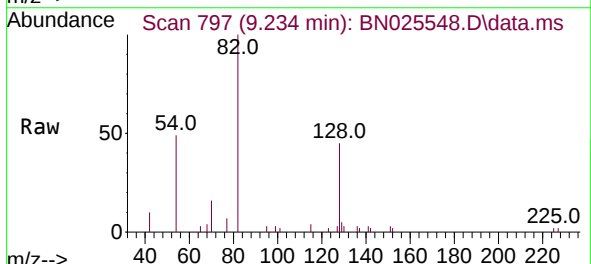
Manual Integrations  
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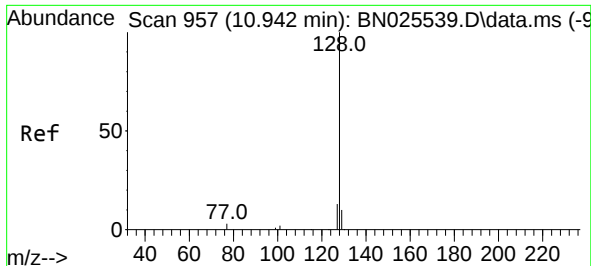
Reviewed By :Christian Giraldo 05/23/2023  
Supervised By :Jagrut Upadhyay 05/23/2023



#8  
Nitrobenzene-d5  
Concen: 0.408 ng  
RT: 9.234 min Scan# 797  
Delta R.T. 0.000 min  
Lab File: BN025548.D  
Acq: 22 May 2023 21:29

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 45.4  | 33.8  | 50.8  |
| 54      | 49.4  | 39.8  | 59.6  |





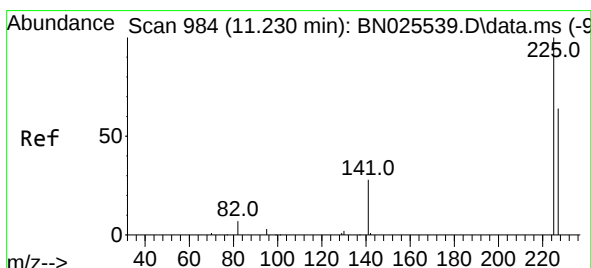
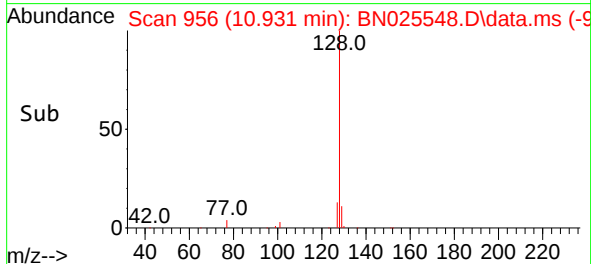
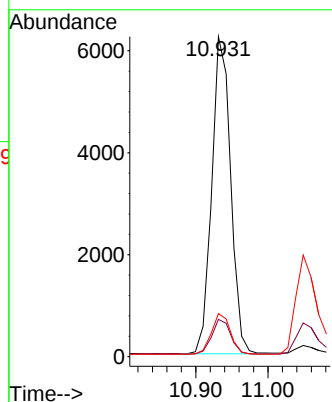
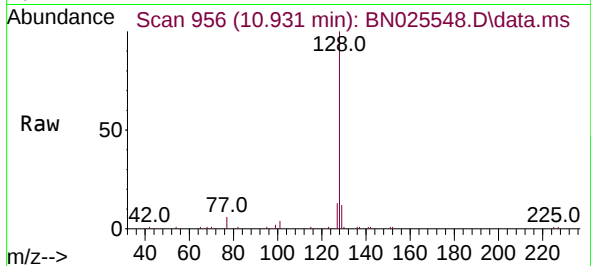
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Naphthalene  
Concen: 0.409 ng  
RT: 10.931 min Scan# 91  
Delta R.T. -0.011 min  
Lab File: BN025548.D  
Acq: 22 May 2023 21:29

Instrument :  
BNA\_N  
ClientSampleId :  
PB152882BS

Tgt Ion:128 Resp: 11300  
Ion Ratio Lower Upper  
128 100  
129 11.7 8.8 13.2  
127 13.5 10.6 15.8

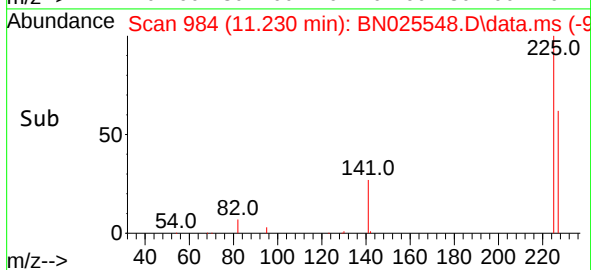
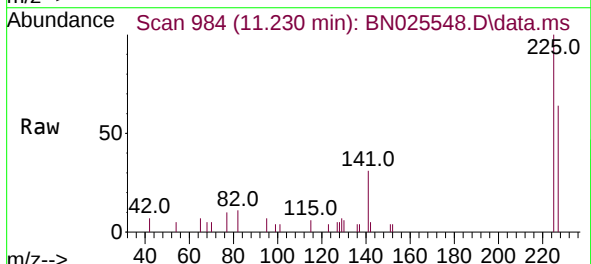
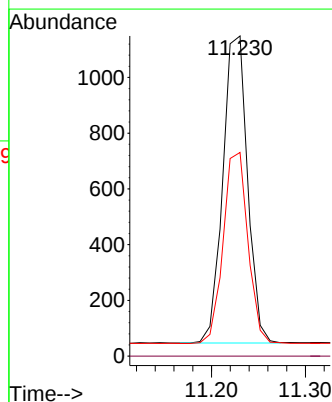
Manual Integrations  
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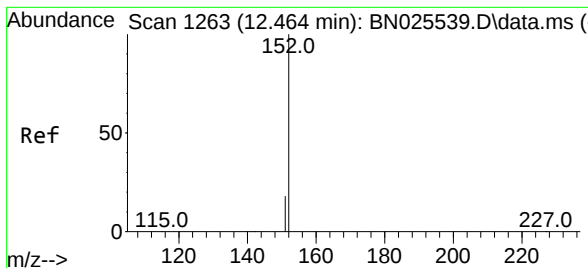
Reviewed By :Christian Giraldo 05/23/2023  
Supervised By :Jagrut Upadhyay 05/23/2023



#10  
Hexachlorobutadiene  
Concen: 0.418 ng  
RT: 11.230 min Scan# 984  
Delta R.T. 0.000 min  
Lab File: BN025548.D  
Acq: 22 May 2023 21:29

Tgt Ion:225 Resp: 2015  
Ion Ratio Lower Upper  
225 100  
223 0.0 0.0 0.0  
227 62.3 51.0 76.6





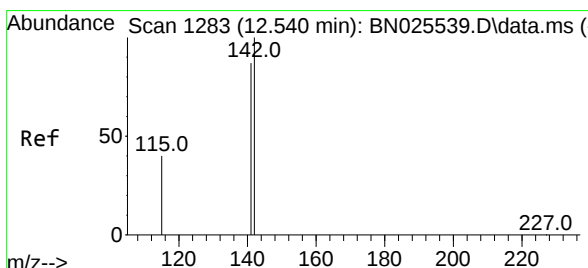
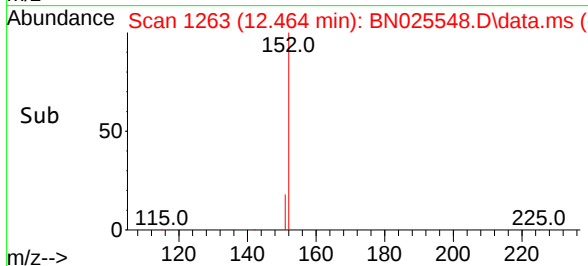
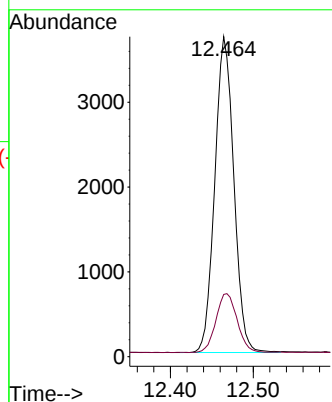
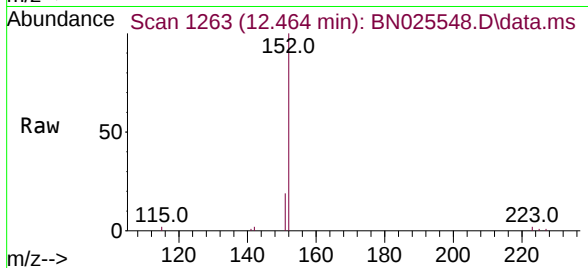
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2-Methylnaphthalene-d10  
Concen: 0.406 ng  
RT: 12.464 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BN025548.D  
Acq: 22 May 2023 21:29

Instrument :  
BNA\_N  
ClientSampleId :  
PB152882BS

Tgt Ion:152 Resp: 5938  
Ion Ratio Lower Upper  
152 100  
151 20.9 16.7 25.1

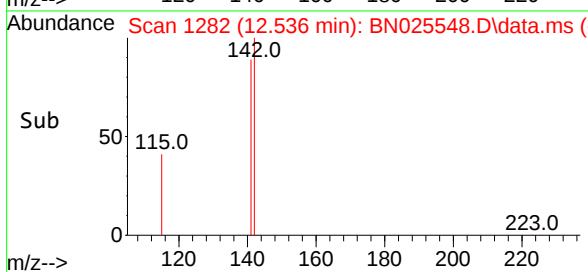
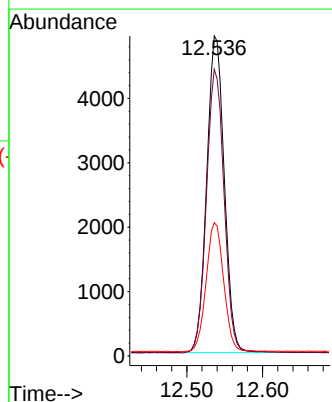
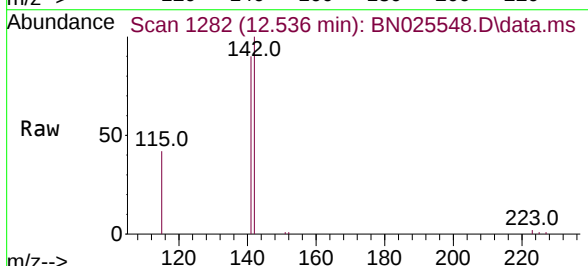
Manual Integrations  
APPROVED

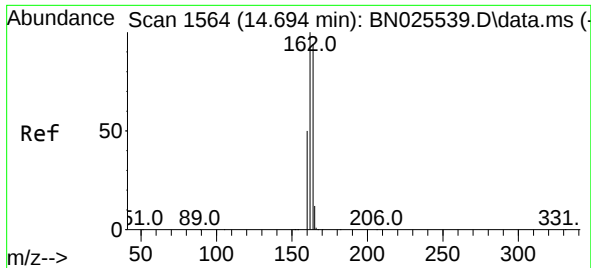
Reviewed By :Christian Giraldo 05/23/2023  
Supervised By :Jagrut Upadhyay 05/23/2023



#12  
2-Methylnaphthalene  
Concen: 0.406 ng  
RT: 12.536 min Scan# 1282  
Delta R.T. -0.004 min  
Lab File: BN025548.D  
Acq: 22 May 2023 21:29

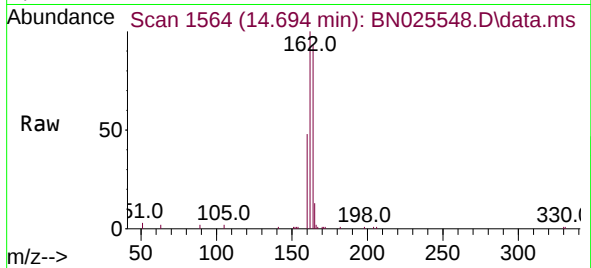
Tgt Ion:142 Resp: 7932  
Ion Ratio Lower Upper  
142 100  
141 89.6 70.1 105.1  
115 41.7 32.8 49.2





#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.694 min Scan# 1564  
Delta R.T. 0.000 min  
Lab File: BN025548.D  
Acq: 22 May 2023 21:29

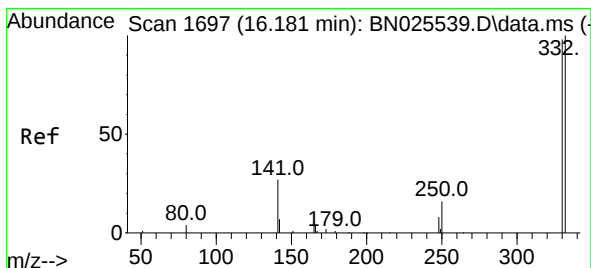
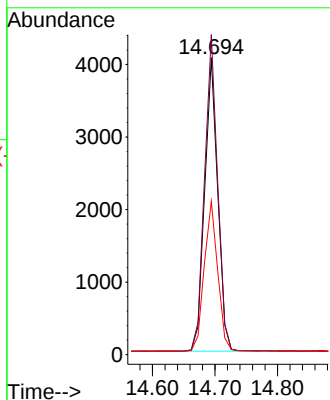
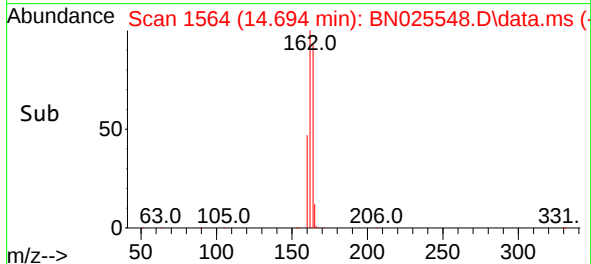
Instrument :  
BNA\_N  
ClientSampleId :  
PB152882BS



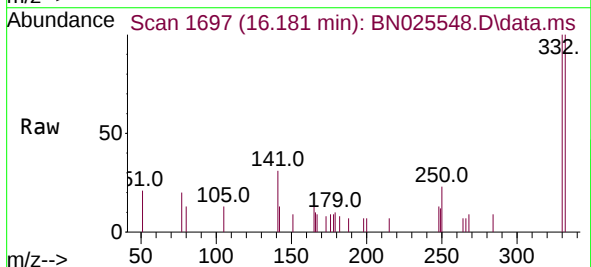
Tgt Ion:164 Resp: 5864  
Ion Ratio Lower Upper  
164 100  
162 107.7 85.5 128.3  
160 51.7 42.9 64.3

Manual Integrations  
APPROVED

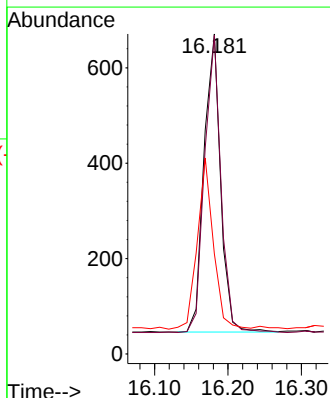
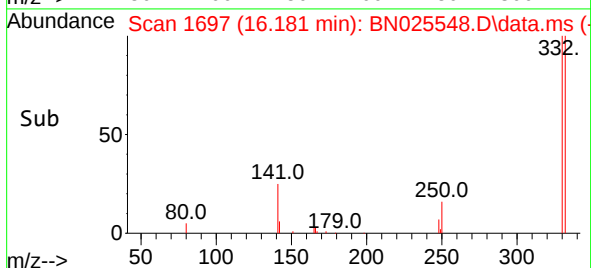
Reviewed By :Christian Giraldo 05/23/2023  
Supervised By :Jagrut Upadhyay 05/23/2023

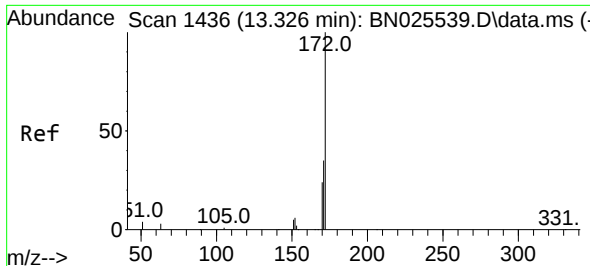


#14  
2,4,6-Tribromophenol  
Concen: 0.400 ng  
RT: 16.181 min Scan# 1697  
Delta R.T. 0.000 min  
Lab File: BN025548.D  
Acq: 22 May 2023 21:29



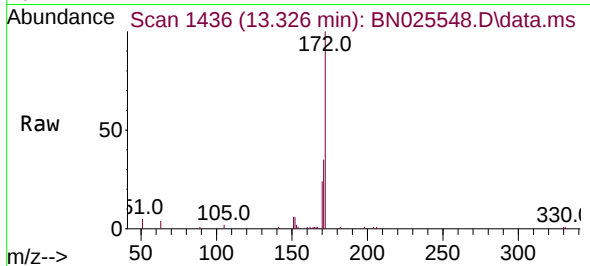
Tgt Ion:330 Resp: 979  
Ion Ratio Lower Upper  
330 100  
332 98.5 76.7 115.1  
141 55.8 43.0 64.6





#15  
2-Fluorobiphenyl  
Concen: 0.421 ng  
RT: 13.326 min Scan# 1436  
Delta R.T. 0.000 min  
Lab File: BN025548.D  
Acq: 22 May 2023 21:29

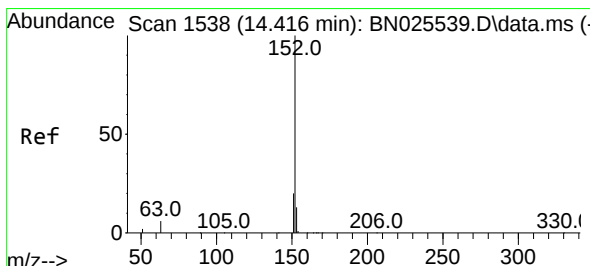
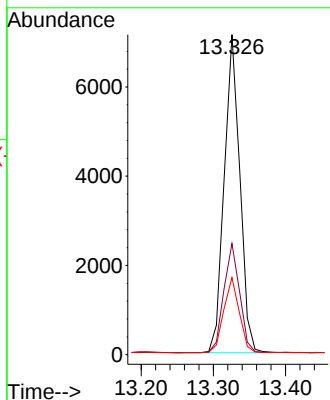
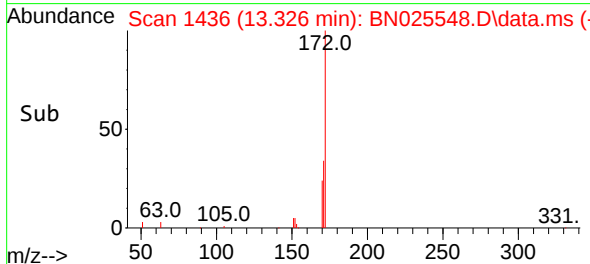
Instrument :  
BNA\_N  
ClientSampleId :  
PB152882BS



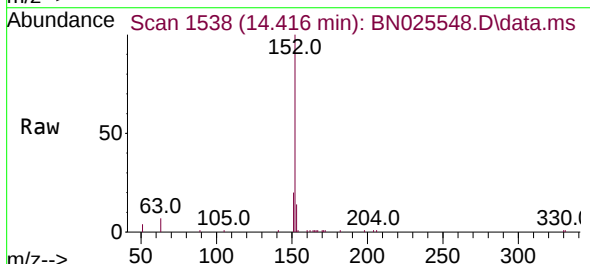
Tgt Ion:172 Resp: 1070  
Ion Ratio Lower Upper  
172 100  
171 34.8 28.3 42.5  
170 24.1 19.3 28.9

Manual Integrations  
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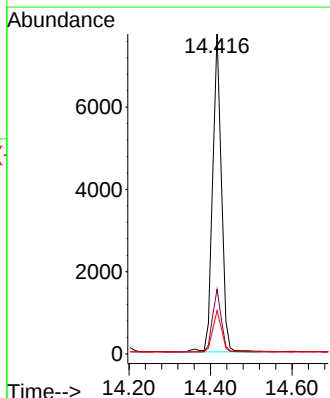
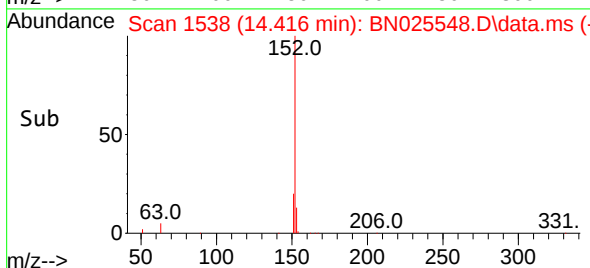
Reviewed By :Christian Giraldo 05/23/2023  
Supervised By :Jagrut Upadhyay 05/23/2023

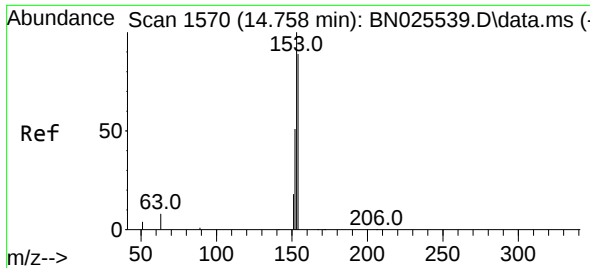


#16  
Acenaphthylene  
Concen: 0.402 ng  
RT: 14.416 min Scan# 1538  
Delta R.T. 0.000 min  
Lab File: BN025548.D  
Acq: 22 May 2023 21:29



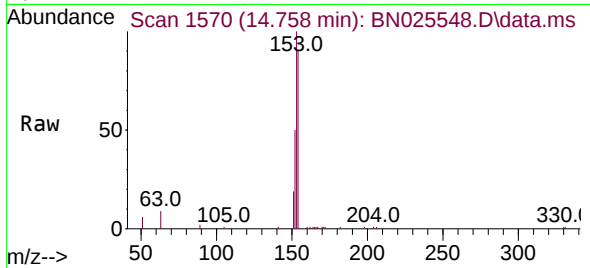
Tgt Ion:152 Resp: 11574  
Ion Ratio Lower Upper  
152 100  
151 19.7 15.3 22.9  
153 13.2 10.4 15.6





#17  
Acenaphthene  
Concen: 0.409 ng  
RT: 14.758 min Scan# 1570  
Delta R.T. 0.000 min  
Lab File: BN025548.D  
Acq: 22 May 2023 21:29

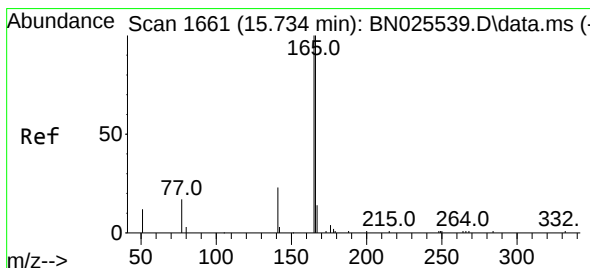
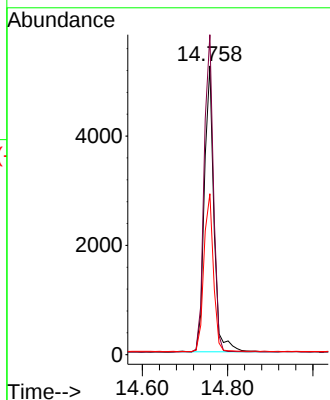
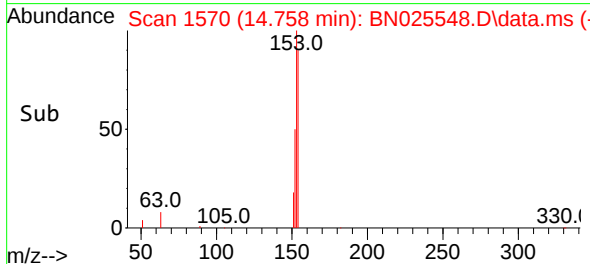
Instrument :  
BNA\_N  
ClientSampleId :  
PB152882BS



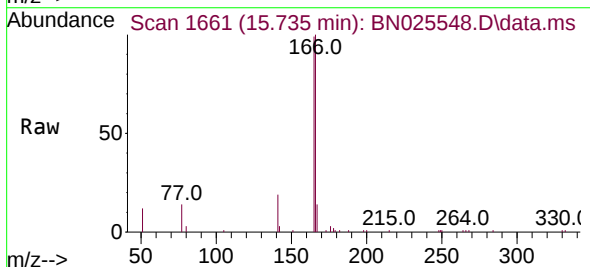
Tgt Ion:154 Resp: 8118  
Ion Ratio Lower Upper  
154 100  
153 108.3 85.4 128.2  
152 55.3 44.3 66.5

Manual Integrations  
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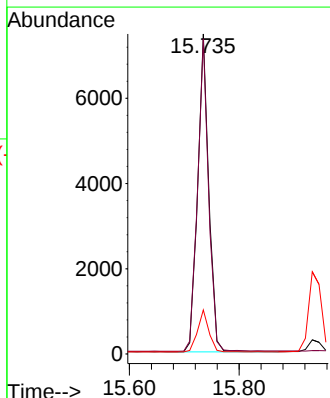
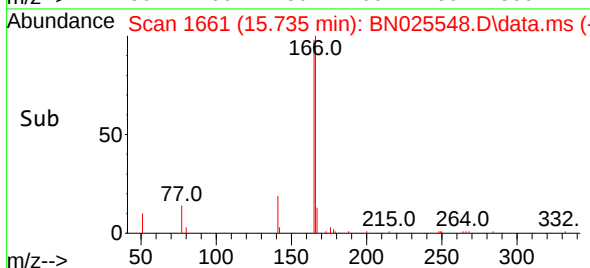
Reviewed By :Christian Giraldo 05/23/2023  
Supervised By :Jagrut Upadhyay 05/23/2023

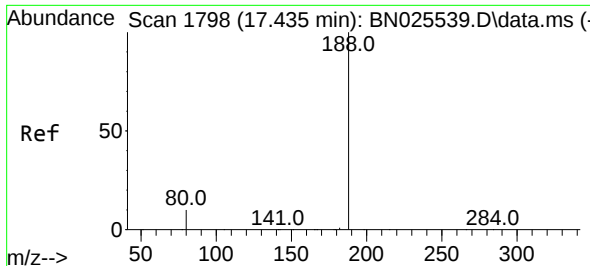


#18  
Fluorene  
Concen: 0.416 ng  
RT: 15.735 min Scan# 1661  
Delta R.T. 0.000 min  
Lab File: BN025548.D  
Acq: 22 May 2023 21:29



Tgt Ion:166 Resp: 10304  
Ion Ratio Lower Upper  
166 100  
165 96.8 79.1 118.7  
167 13.1 10.8 16.2





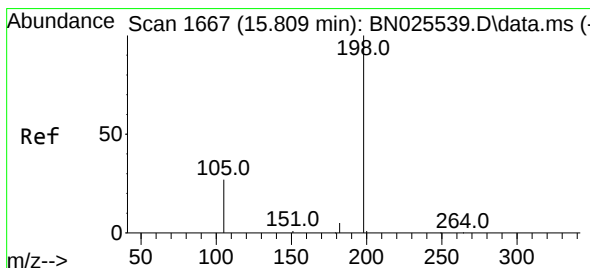
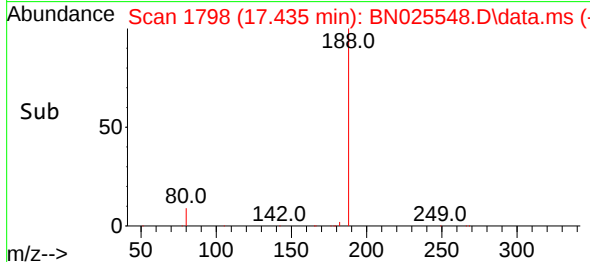
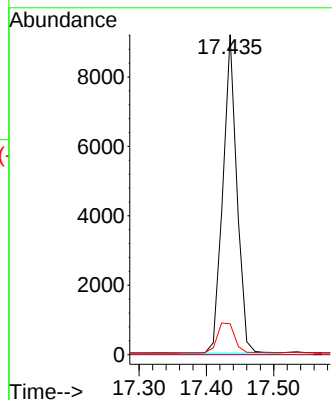
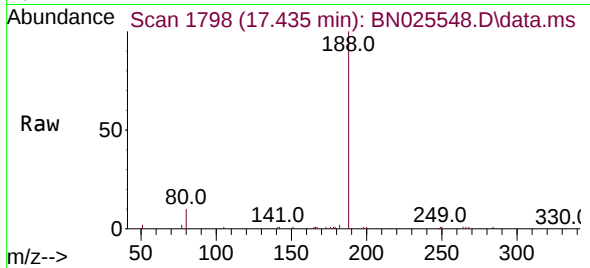
#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.435 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BN025548.D  
Acq: 22 May 2023 21:29

Instrument :  
BNA\_N  
ClientSampleId :  
PB152882BS

Tgt Ion:188 Resp: 1322  
Ion Ratio Lower Upper  
188 100  
94 0.0 0.0 0.0  
80 9.7 8.8 13.2

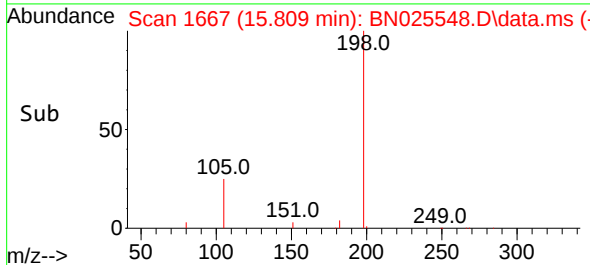
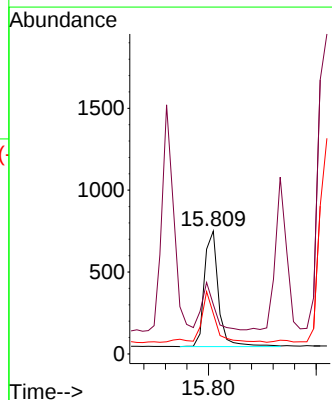
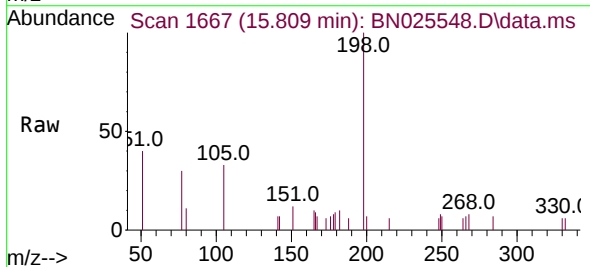
Manual Integrations  
APPROVED

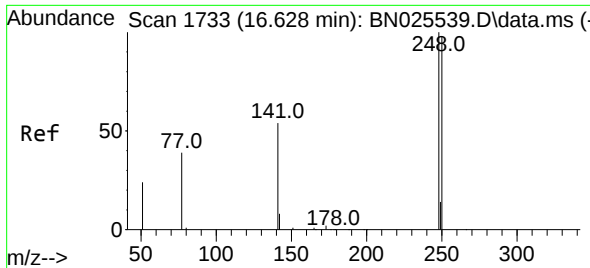
Reviewed By :Christian Giraldo 05/23/2023  
Supervised By :Jagrut Upadhyay 05/23/2023



#20  
4,6-Dinitro-2-methylphenol  
Concen: 0.364 ng  
RT: 15.809 min Scan# 1667  
Delta R.T. 0.000 min  
Lab File: BN025548.D  
Acq: 22 May 2023 21:29

Tgt Ion:198 Resp: 1275  
Ion Ratio Lower Upper  
198 100  
51 40.3 31.7 47.5  
105 32.8 29.2 43.8





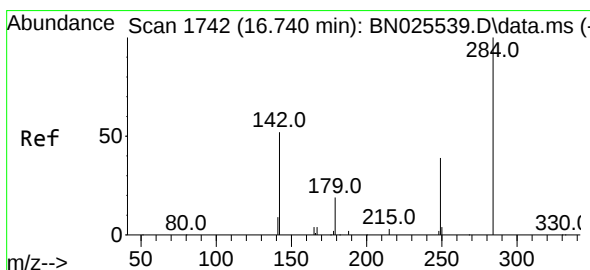
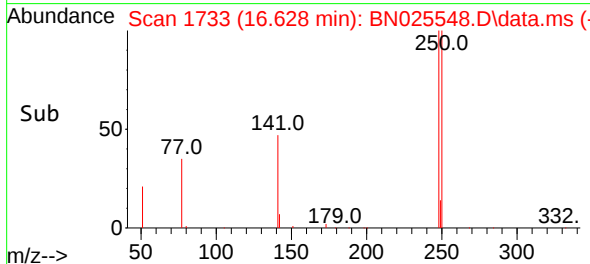
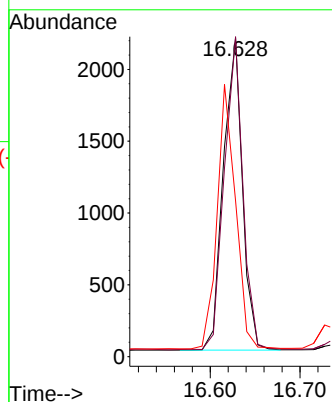
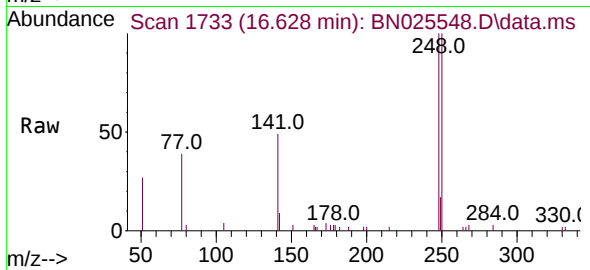
#21  
4-Bromophenyl-phenylether  
Concen: 0.409 ng  
RT: 16.628 min Scan# 1733  
Delta R.T. 0.000 min  
Lab File: BN025548.D  
Acq: 22 May 2023 21:29

Instrument :  
BNA\_N  
ClientSampleId :  
PB152882BS

Tgt Ion:248 Resp: 3200  
Ion Ratio Lower Upper  
248 100  
250 100.4 78.9 118.3  
141 48.9 43.9 65.9

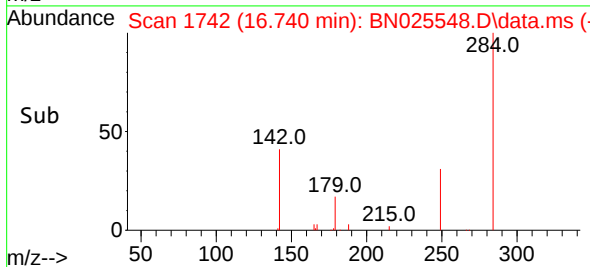
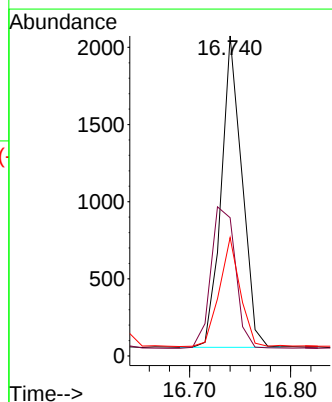
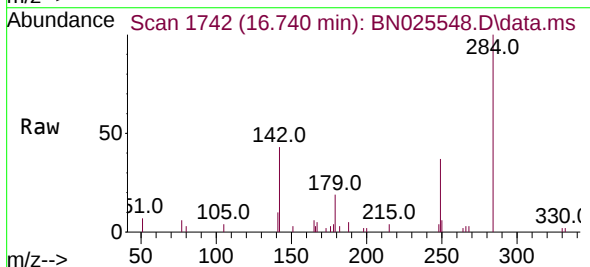
Manual Integrations  
APPROVED

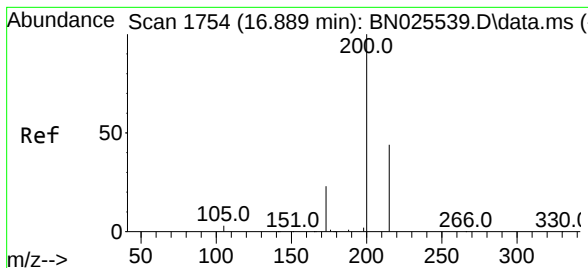
Reviewed By :Christian Giraldo 05/23/2023  
Supervised By :Jagrut Upadhyay 05/23/2023



#22  
Hexachlorobenzene  
Concen: 0.412 ng  
RT: 16.740 min Scan# 1742  
Delta R.T. 0.000 min  
Lab File: BN025548.D  
Acq: 22 May 2023 21:29

Tgt Ion:284 Resp: 2875  
Ion Ratio Lower Upper  
284 100  
142 53.9 41.6 62.4  
249 35.2 28.3 42.5





#23

Atrazine

Concen: 0.394 ng

RT: 16.889 min Scan# 1754

Delta R.T. 0.000 min

Lab File: BN025548.D

Acq: 22 May 2023 21:29

Instrument :

BNA\_N

ClientSampleId :

PB152882BS

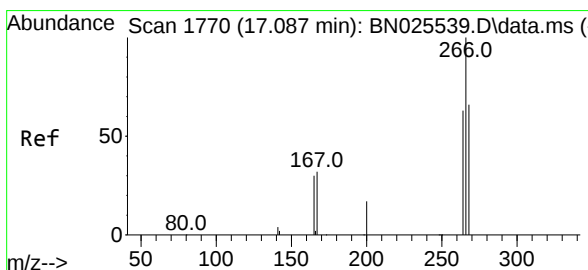
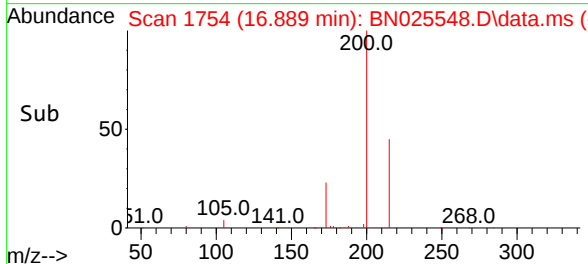
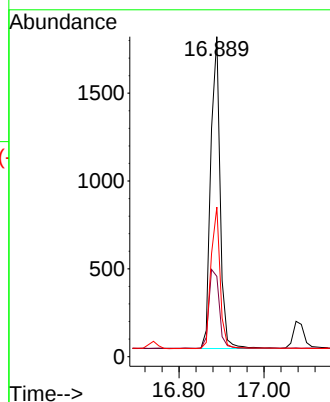
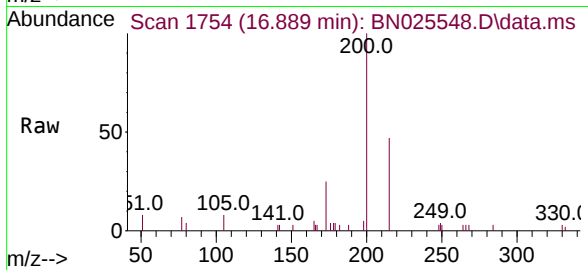
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 200   | Resp: | 2719 |
| Ion Ratio | Lower | Upper |      |
| 200       | 100   |       |      |
| 173       | 25.1  | 20.2  | 30.4 |
| 215       | 46.8  | 35.8  | 53.8 |

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/23/2023

Supervised By :Jagrut Upadhyay 05/23/2023



#24

Pentachlorophenol

Concen: 0.362 ng

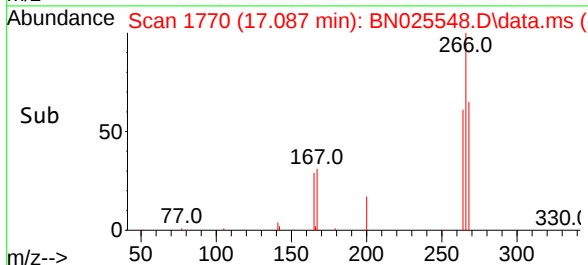
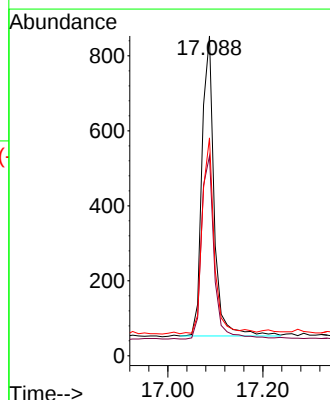
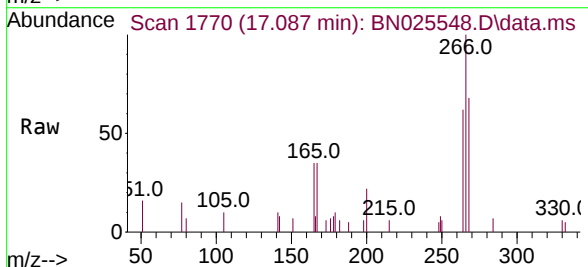
RT: 17.087 min Scan# 1770

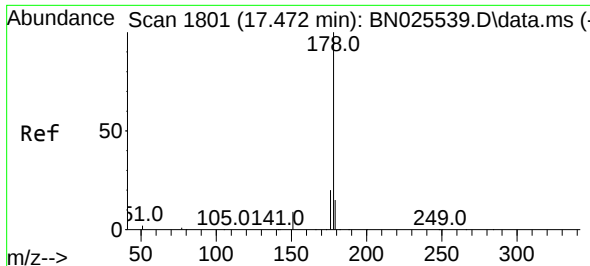
Delta R.T. 0.000 min

Lab File: BN025548.D

Acq: 22 May 2023 21:29

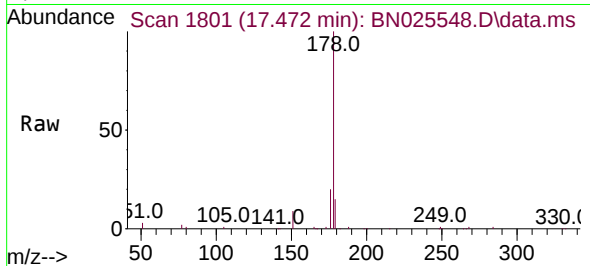
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 266   | Resp: | 1427 |
| Ion Ratio | Lower | Upper |      |
| 266       | 100   |       |      |
| 264       | 63.5  | 51.3  | 76.9 |
| 268       | 64.5  | 51.2  | 76.8 |





#25  
Phenanthrene  
Concen: 0.401 ng  
RT: 17.472 min Scan# 1801  
Delta R.T. 0.000 min  
Lab File: BN025548.D  
Acq: 22 May 2023 21:29

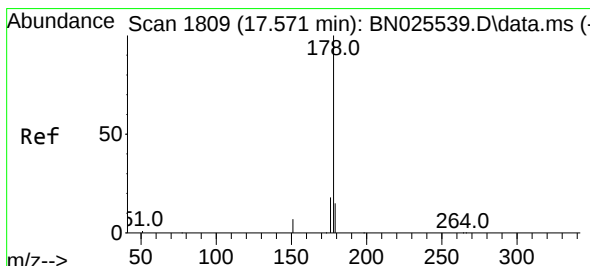
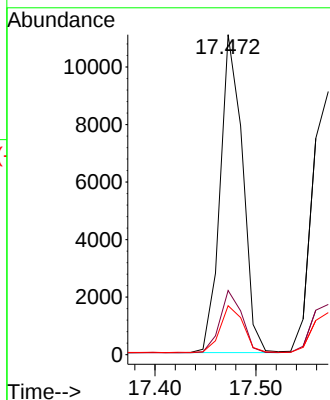
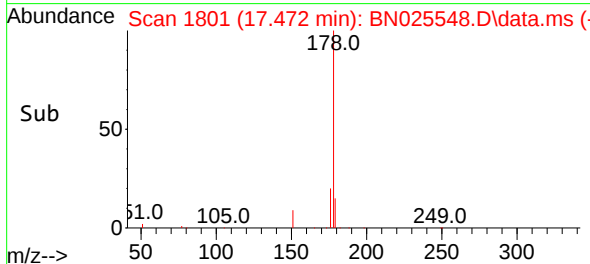
Instrument :  
BNA\_N  
ClientSampleId :  
PB152882BS



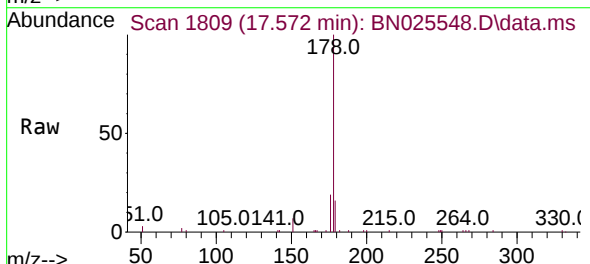
Tgt Ion:178 Resp: 17059  
Ion Ratio Lower Upper  
178 100  
176 19.3 15.5 23.3  
179 15.4 12.5 18.7

Manual Integrations  
APPROVED

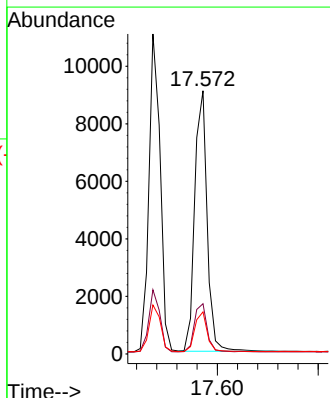
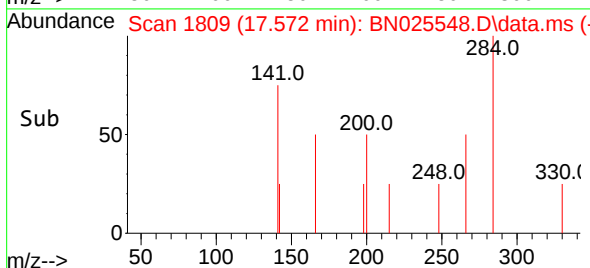
Reviewed By :Christian Giraldo 05/23/2023  
Supervised By :Jagrut Upadhyay 05/23/2023

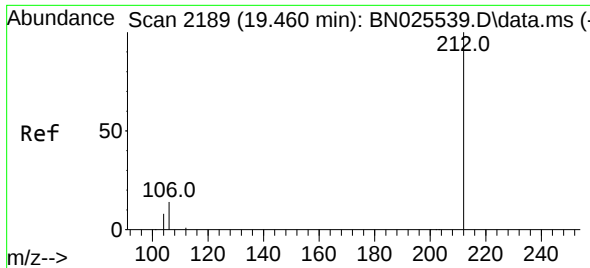


#26  
Anthracene  
Concen: 0.401 ng  
RT: 17.572 min Scan# 1809  
Delta R.T. 0.000 min  
Lab File: BN025548.D  
Acq: 22 May 2023 21:29



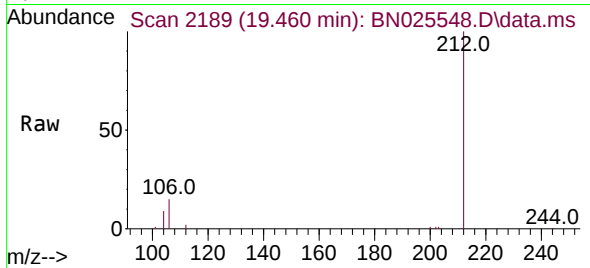
Tgt Ion:178 Resp: 15480  
Ion Ratio Lower Upper  
178 100  
176 19.1 14.8 22.2  
179 15.1 12.3 18.5





#27  
Fluoranthene-d10  
Concen: 0.394 ng  
RT: 19.460 min Scan# 2189  
Delta R.T. 0.000 min  
Lab File: BN025548.D  
Acq: 22 May 2023 21:29

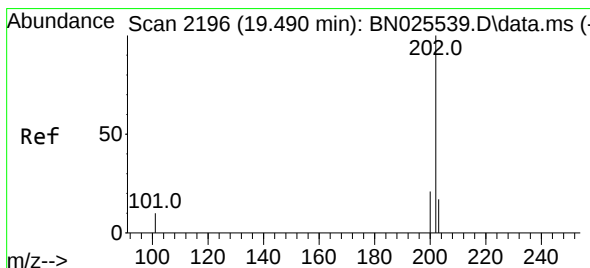
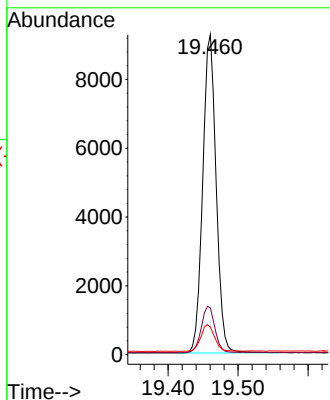
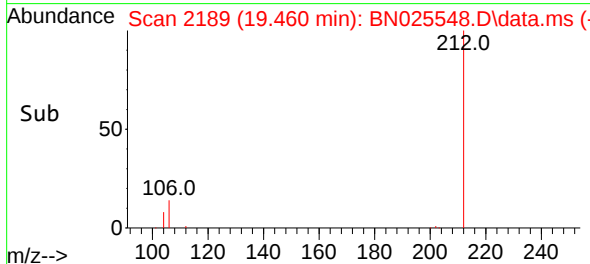
Instrument :  
BNA\_N  
ClientSampleId :  
PB152882BS



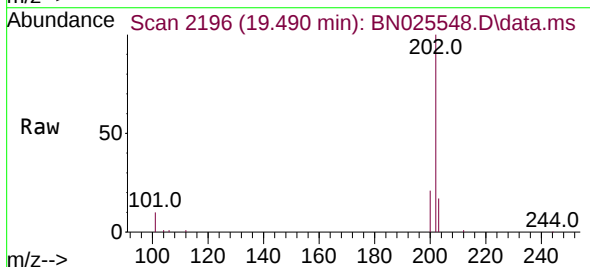
Tgt Ion:212 Resp: 12340  
Ion Ratio Lower Upper  
212 100  
106 14.7 11.4 17.2  
104 8.5 6.8 10.2

Manual Integrations  
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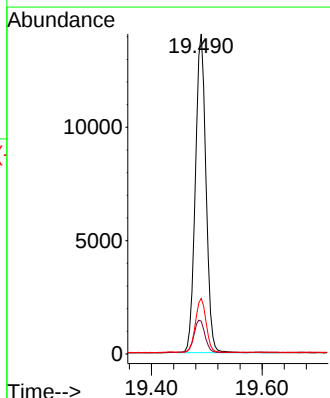
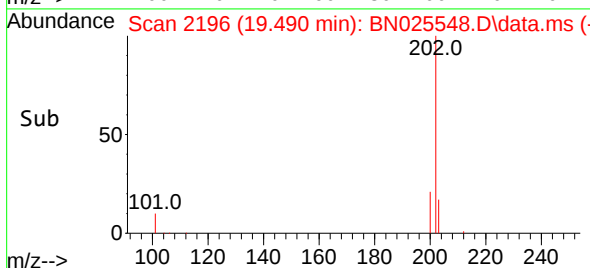
Reviewed By :Christian Giraldo 05/23/2023  
Supervised By :Jagrut Upadhyay 05/23/2023

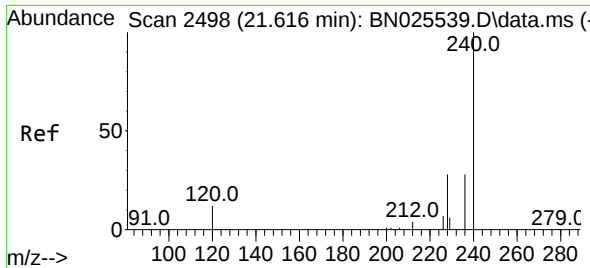


#28  
Fluoranthene  
Concen: 0.397 ng  
RT: 19.490 min Scan# 2196  
Delta R.T. 0.000 min  
Lab File: BN025548.D  
Acq: 22 May 2023 21:29



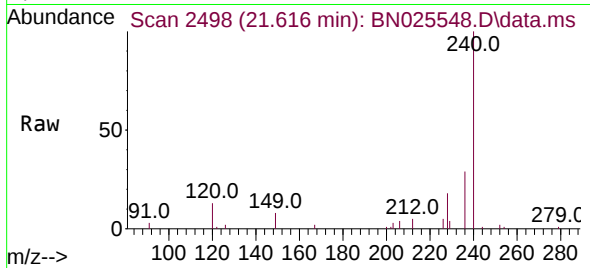
Tgt Ion:202 Resp: 18660  
Ion Ratio Lower Upper  
202 100  
101 10.8 8.6 12.8  
203 17.0 13.7 20.5





#29  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.616 min Scan# 2498  
Delta R.T. 0.000 min  
Lab File: BN025548.D  
Acq: 22 May 2023 21:29

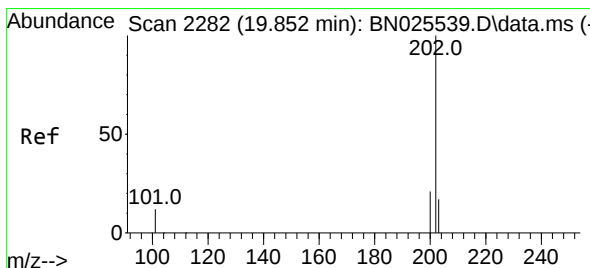
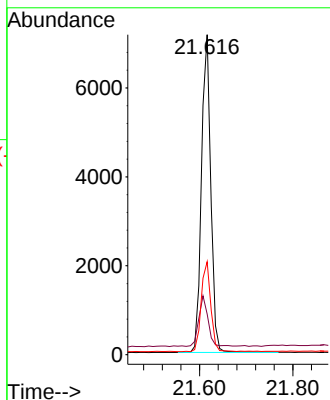
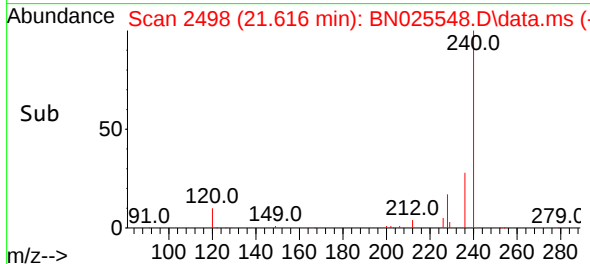
Instrument :  
BNA\_N  
ClientSampleId :  
PB152882BS



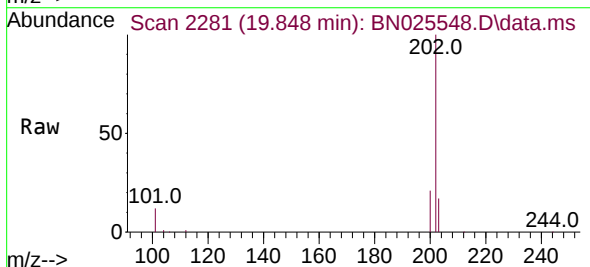
Tgt Ion:240 Resp: 993  
Ion Ratio Lower Upper  
240 100  
120 12.7 11.7 17.5  
236 29.0 23.0 34.6

Manual Integrations  
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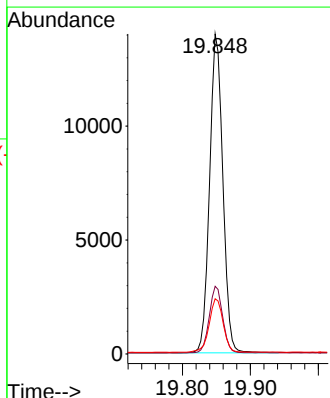
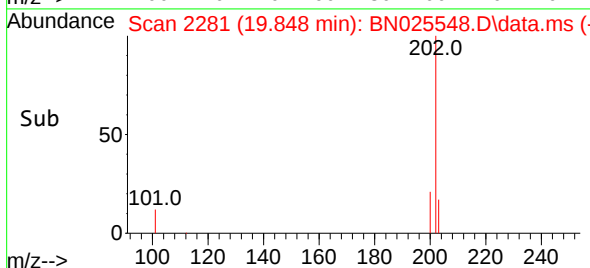
Reviewed By :Christian Giraldo 05/23/2023  
Supervised By :Jagrut Upadhyay 05/23/2023

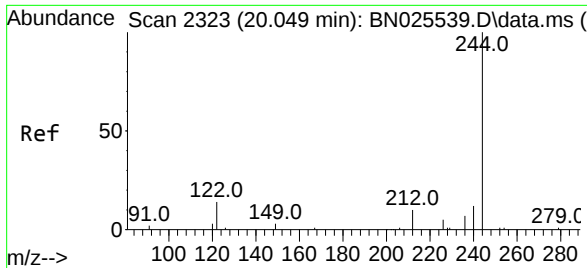


#30  
Pyrene  
Concen: 0.420 ng  
RT: 19.848 min Scan# 2281  
Delta R.T. -0.004 min  
Lab File: BN025548.D  
Acq: 22 May 2023 21:29



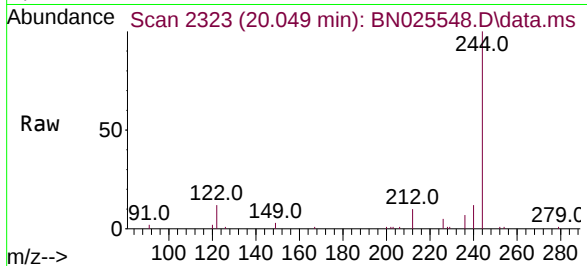
Tgt Ion:202 Resp: 18854  
Ion Ratio Lower Upper  
202 100  
200 21.1 16.9 25.3  
203 17.7 14.3 21.5





#31  
 Terphenyl-d14  
 Concen: 0.439 ng  
 RT: 20.049 min Scan# 21  
 Delta R.T. 0.000 min  
 Lab File: BN025548.D  
 Acq: 22 May 2023 21:29

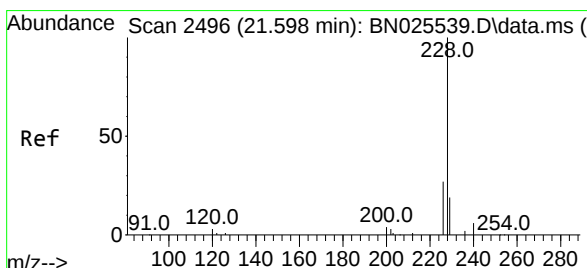
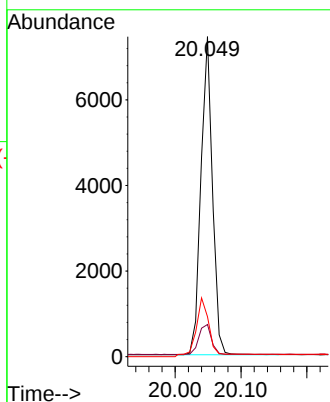
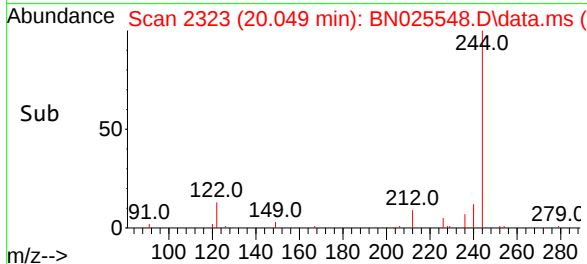
Instrument :  
 BNA\_N  
 ClientSampleId :  
 PB152882BS



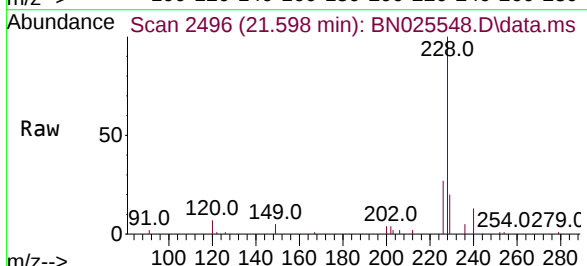
Tgt Ion:244 Resp: 904  
 Ion Ratio Lower Upper  
 244 100  
 212 10.1 8.4 12.6  
 122 12.5 11.4 17.0

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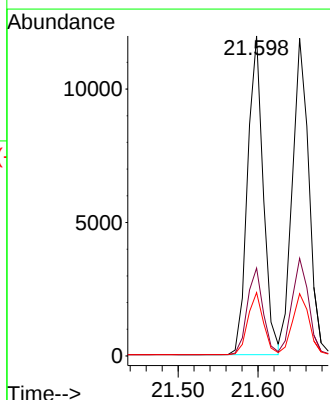
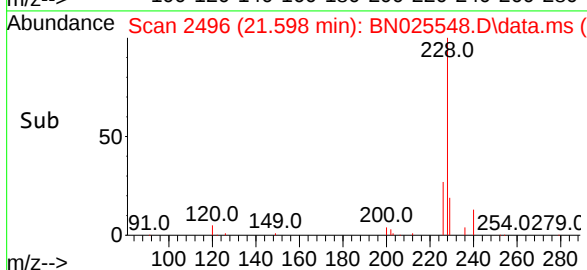
Reviewed By :Christian Giraldo 05/23/2023  
 Supervised By :Jagrut Upadhyay 05/23/2023

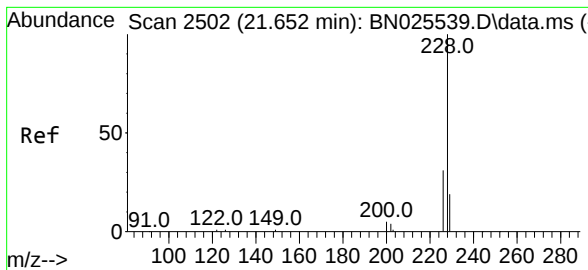


#32  
 Benzo(a)anthracene  
 Concen: 0.414 ng  
 RT: 21.598 min Scan# 2496  
 Delta R.T. 0.000 min  
 Lab File: BN025548.D  
 Acq: 22 May 2023 21:29



Tgt Ion:228 Resp: 16266  
 Ion Ratio Lower Upper  
 228 100  
 226 27.5 21.9 32.9  
 229 19.8 15.4 23.2





#33

Chrysene

Concen: 0.415 ng

RT: 21.652 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN025548.D

Acq: 22 May 2023 21:29

Instrument :

BNA\_N

ClientSampleId :

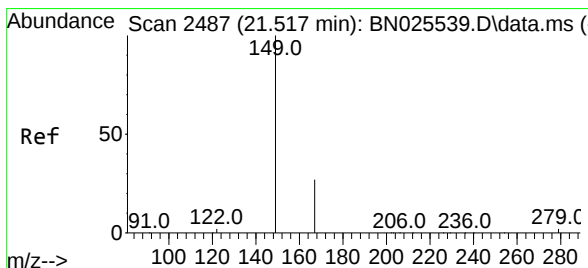
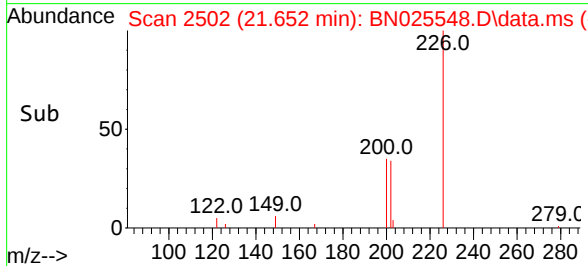
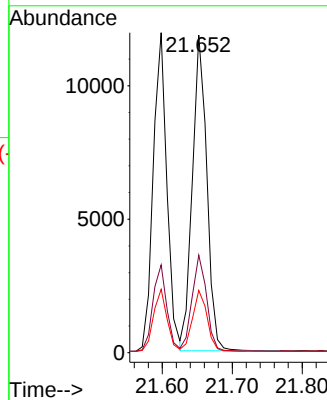
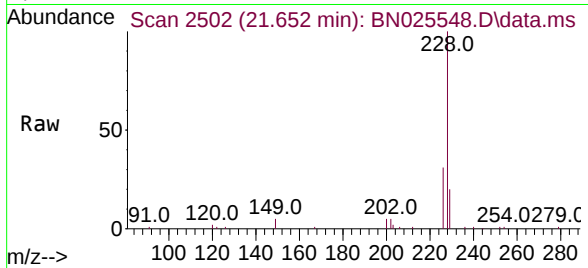
PB152882BS

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:228 | Resp: | 16940     |
| Ion Ratio   | Lower | Upper     |
| 228         | 100   |           |
| 226         | 30.7  | 24.7 37.1 |
| 229         | 19.6  | 15.7 23.5 |

Manual Integrations

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Reviewed By :Christian Giraldo 05/23/2023  
Supervised By :Jagrut Upadhyay 05/23/2023



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.406 ng

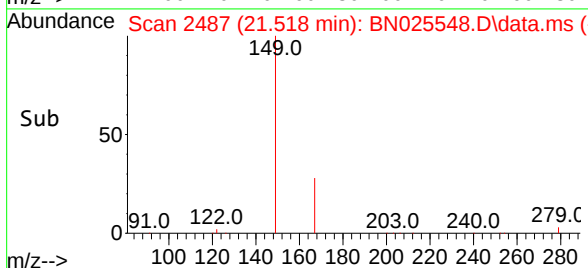
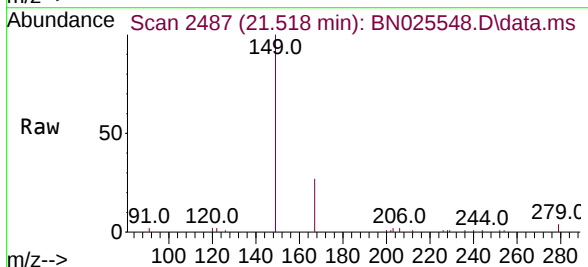
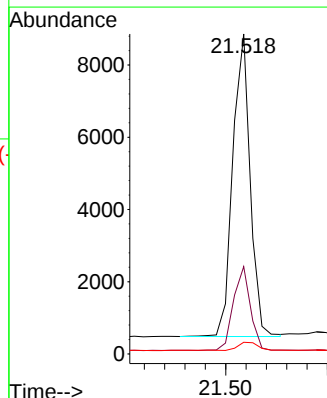
RT: 21.518 min Scan# 2487

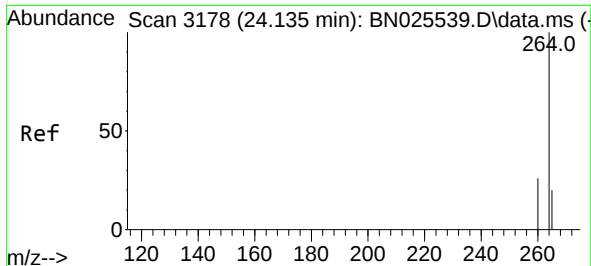
Delta R.T. 0.000 min

Lab File: BN025548.D

Acq: 22 May 2023 21:29

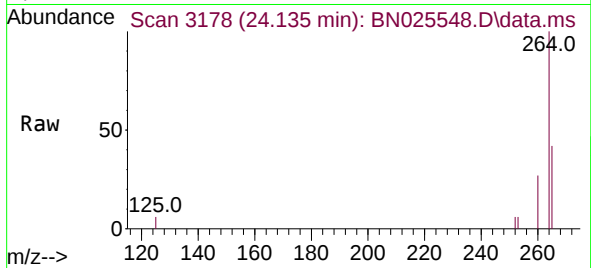
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:149 | Resp: | 9932      |
| Ion Ratio   | Lower | Upper     |
| 149         | 100   |           |
| 167         | 27.1  | 21.5 32.3 |
| 279         | 3.5   | 2.6 4.0   |





#35  
Perylene-d12  
Concen: 0.400 ng  
RT: 24.135 min Scan# 3178  
Delta R.T. 0.000 min  
Lab File: BN025548.D  
Acq: 22 May 2023 21:29

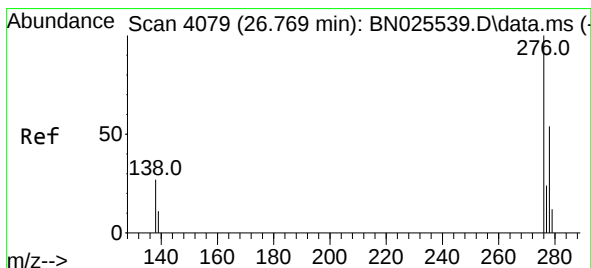
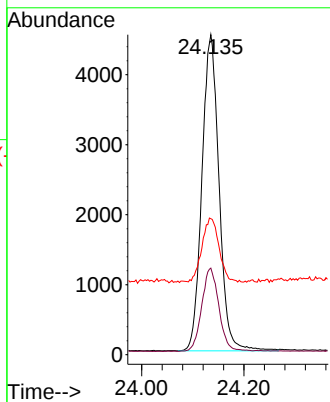
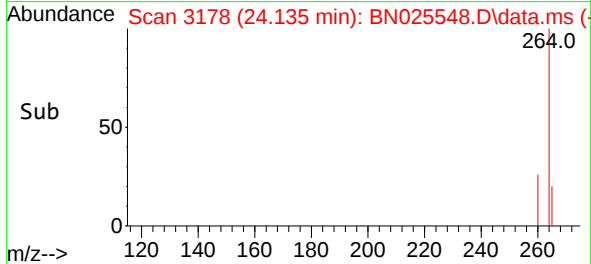
Instrument :  
BNA\_N  
ClientSampleId :  
PB152882BS



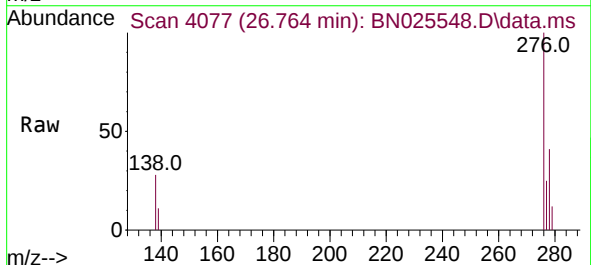
Tgt Ion:264 Resp: 10490  
Ion Ratio Lower Upper  
264 100  
260 27.1 21.1 31.7  
265 42.5 35.5 53.3

Manual Integrations  
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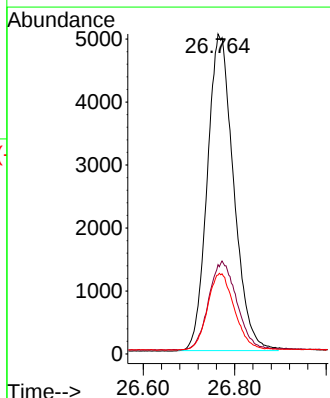
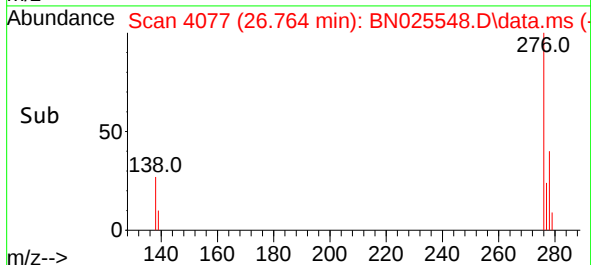
Reviewed By :Christian Giraldo 05/23/2023  
Supervised By :Jagrut Upadhyay 05/23/2023

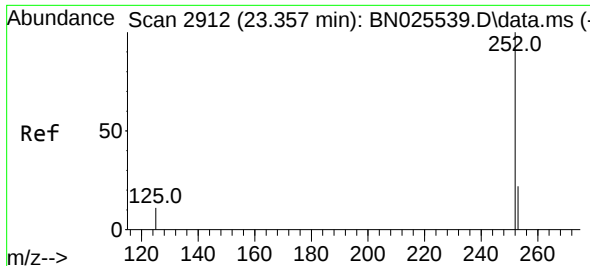


#36  
Indeno(1,2,3-cd)pyrene  
Concen: 0.418 ng  
RT: 26.764 min Scan# 4077  
Delta R.T. -0.006 min  
Lab File: BN025548.D  
Acq: 22 May 2023 21:29



Tgt Ion:276 Resp: 20060  
Ion Ratio Lower Upper  
276 100  
138 30.0 22.8 34.2  
277 24.7 19.8 29.6





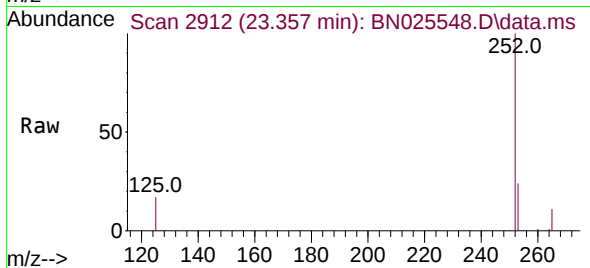
#37  
Benzo(b)fluoranthene  
Concen: 0.410 ng m  
RT: 23.357 min Scan# 2912  
Delta R.T. 0.000 min  
Lab File: BN025548.D  
Acq: 22 May 2023 21:29

Instrument :

BNA\_N

ClientSampleId :

PB152882BS

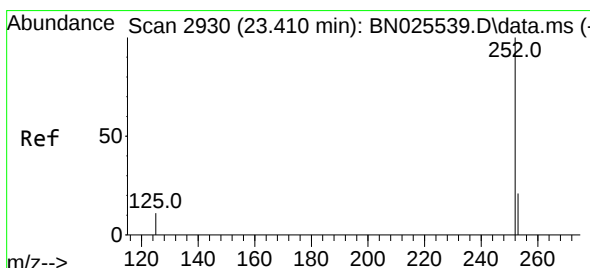
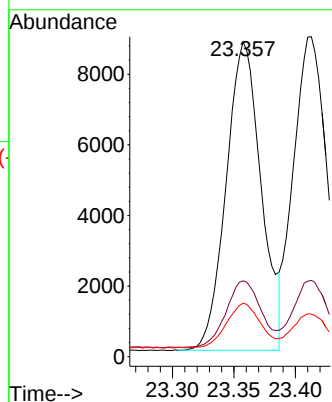
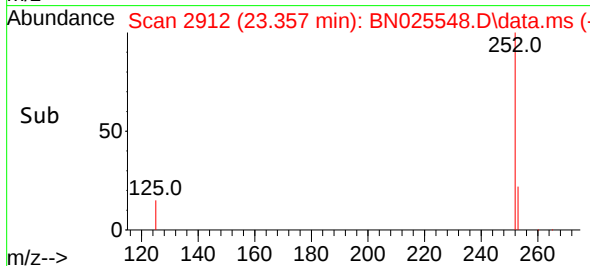


Tgt Ion:252 Resp: 17319  
Ion Ratio Lower Upper  
252 100  
253 24.1 19.7 29.5  
125 17.0 11.3 16.9

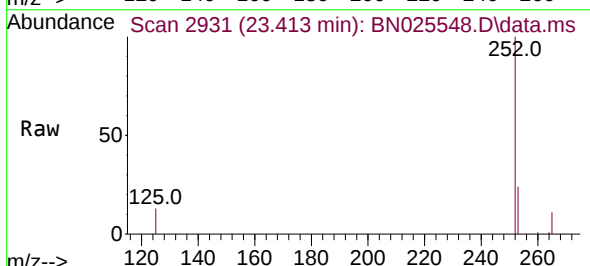
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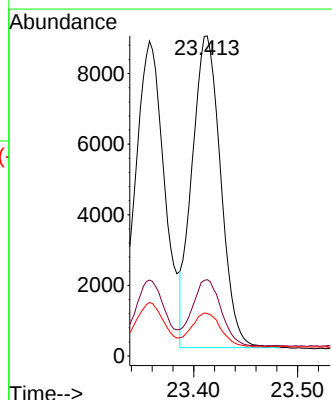
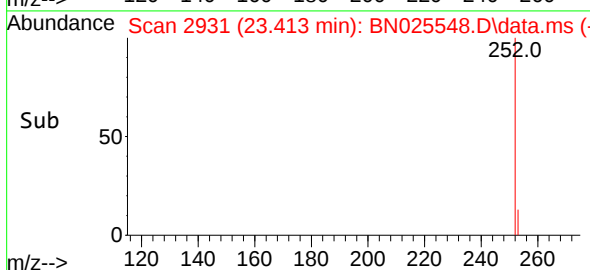
Reviewed By :Christian Giraldo 05/23/2023  
Supervised By :Jagrut Upadhyay 05/23/2023

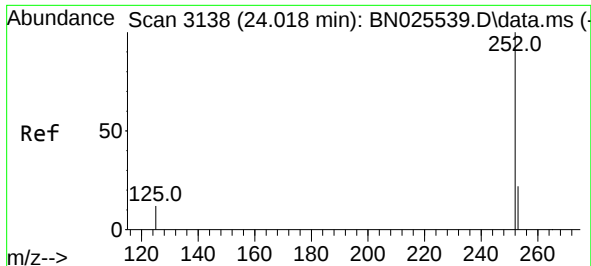


#38  
Benzo(k)fluoranthene  
Concen: 0.393 ng  
RT: 23.413 min Scan# 2931  
Delta R.T. 0.003 min  
Lab File: BN025548.D  
Acq: 22 May 2023 21:29



Tgt Ion:252 Resp: 16916  
Ion Ratio Lower Upper  
252 100  
253 23.9 19.4 29.2  
125 13.3 10.9 16.3





#39

Benzo(a)pyrene

Concen: 0.408 ng

RT: 24.015 min Scan# 3138

Delta R.T. -0.003 min

Lab File: BN025548.D

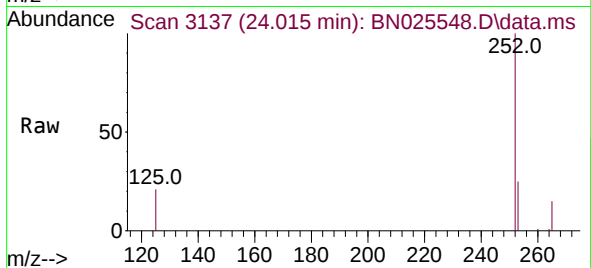
Acq: 22 May 2023 21:29

Instrument :

BNA\_N

ClientSampleId :

PB152882BS



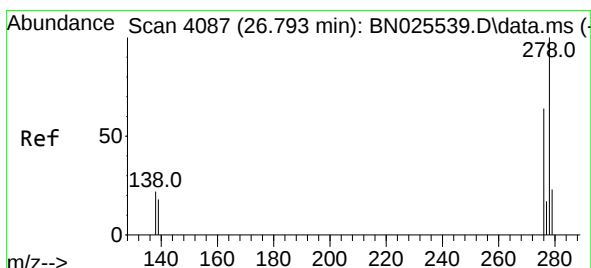
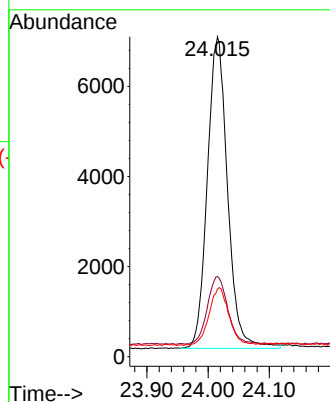
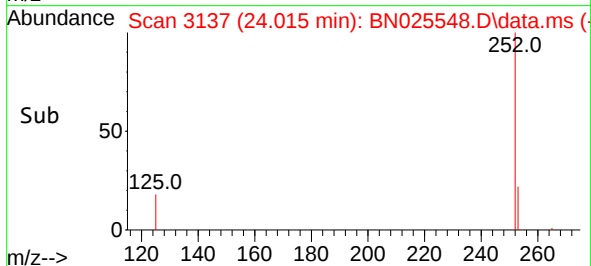
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 252   | Resp: | 1586 |
| Ion Ratio | Lower | Upper |      |
| 252       | 100   |       |      |
| 253       | 25.1  | 20.3  | 30.5 |
| 125       | 21.1  | 12.7  | 19.1 |

Manual Integrations

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Reviewed By :Christian Giraldo 05/23/2023

Supervised By :Jagrut Upadhyay 05/23/2023



#40

Dibenzo(a,h)anthracene

Concen: 0.418 ng

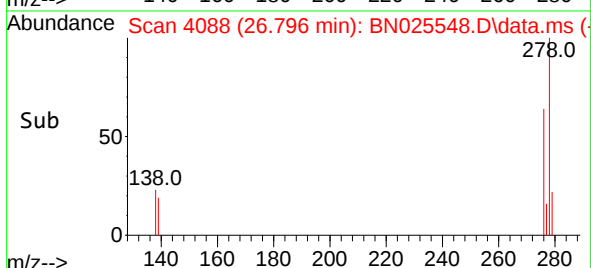
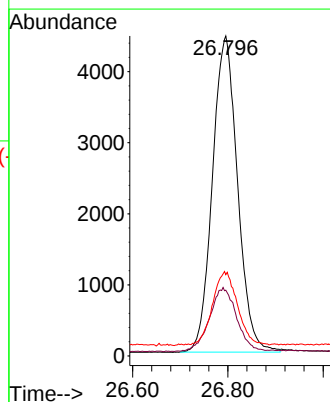
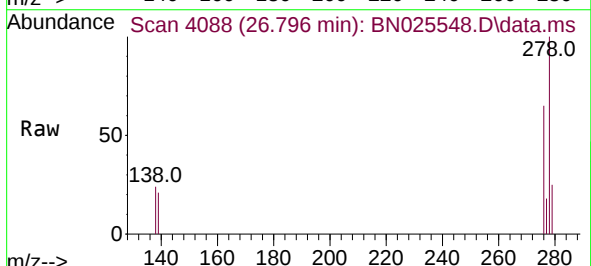
RT: 26.796 min Scan# 4088

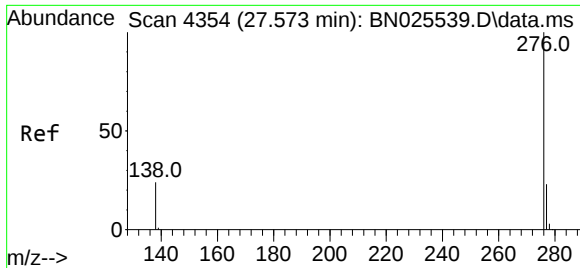
Delta R.T. 0.003 min

Lab File: BN025548.D

Acq: 22 May 2023 21:29

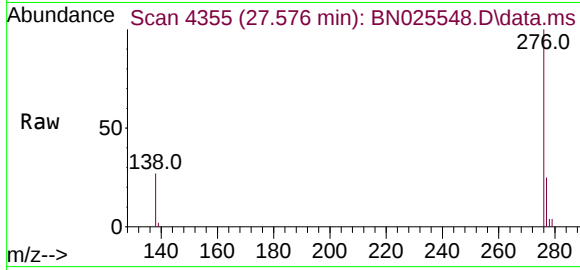
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 278   | Resp: | 16267 |
| Ion Ratio | Lower | Upper |       |
| 278       | 100   |       |       |
| 139       | 20.6  | 15.8  | 23.6  |
| 279       | 25.4  | 21.0  | 31.6  |





#41  
Benzo(g,h,i)perylene  
Concen: 0.403 ng  
RT: 27.576 min Scan# 41  
Delta R.T. 0.003 min  
Lab File: BN025548.D  
Acq: 22 May 2023 21:29

Instrument :  
BNA\_N  
ClientSampleId :  
PB152882BS



Tgt Ion:276 Resp: 16504  
Ion Ratio Lower Upper  
276 100  
277 24.5 19.3 28.9  
138 26.5 20.6 30.8

Manual Integrations  
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Reviewed By :Christian Giraldo 05/23/2023  
Supervised By :Jagrut Upadhyay 05/23/2023

