

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN120122\  
 Data File : BN023019.D  
 Acq On : 01 Dec 2022 15:28  
 Operator : CG/JU  
 Sample : PB149298BS  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 PB149298BS

Manual Integrations  
 APPROVED

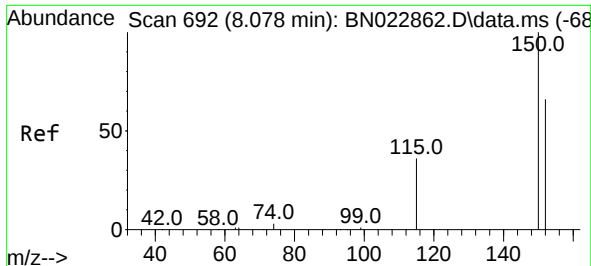
Reviewed By :Christian Giraldo 12/02/2022  
 Supervised By :Jagrut Upadhyay 12/02/2022

Quant Time: Dec 02 01:45:24 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN112522.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Dec 02 01:41:37 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.056  | 152  | 6164     | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.872 | 136  | 16529    | 0.400 | ng    | #-0.01   |
| 13) Acenaphthene-d10          | 14.698 | 164  | 8071     | 0.400 | ng    | 0.00     |
| 19) Phenanthrene-d10          | 17.439 | 188  | 15269    | 0.400 | ng    | 0.00     |
| 29) Chrysene-d12              | 21.620 | 240  | 8589     | 0.400 | ng    | # 0.00   |
| 35) Perylene-d12              | 24.107 | 264  | 6496     | 0.400 | ng    | # 0.00   |
|                               |        |      |          |       |       |          |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.594  | 112  | 4982     | 0.311 | ng    | 0.00     |
| 5) Phenol-d6                  | 7.204  | 99   | 6443     | 0.316 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 9.217  | 82   | 4664     | 0.363 | ng    | -0.01    |
| 11) 2-Methylnaphthalene-d10   | 12.457 | 152  | 13325    | 0.372 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 16.185 | 330  | 1066     | 0.274 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl          | 13.319 | 172  | 14651    | 0.397 | ng    | -0.01    |
| 27) Fluoranthene-d10          | 19.469 | 212  | 14384    | 0.347 | ng    | 0.00     |
| 31) Terphenyl-d14             | 20.062 | 244  | 6298     | 0.312 | ng    | 0.00     |
|                               |        |      |          |       |       |          |
| Target Compounds              |        |      |          |       |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.441  | 88   | 2667     | 0.341 | ng    | 97       |
| 3) n-Nitrosodimethylamine     | 3.774  | 42   | 2686     | 0.319 | ng    | 91       |
| 6) bis(2-Chloroethyl)ether    | 7.471  | 93   | 7123     | 0.372 | ng    | 98       |
| 9) Naphthalene                | 10.925 | 128  | 18429    | 0.362 | ng    | 99       |
| 10) Hexachlorobutadiene       | 11.213 | 225  | 3841     | 0.368 | ng    | # 100    |
| 12) 2-Methylnaphthalene       | 12.147 | 142  | 2793     | 0.269 | ng    | # 97     |
| 16) Acenaphthylene            | 14.410 | 152  | 13592m   | 0.318 | ng    |          |
| 17) Acenaphthene              | 14.752 | 154  | 10227    | 0.364 | ng    | 99       |
| 18) Fluorene                  | 15.739 | 166  | 12164    | 0.338 | ng    | 99       |
| 20) 4,6-Dinitro-2-methylph... | 15.813 | 198  | 636      | 0.373 | ng    | # 66     |
| 21) 4-Bromophenyl-phenylether | 16.632 | 248  | 3865     | 0.351 | ng    | # 83     |
| 22) Hexachlorobenzene         | 16.744 | 284  | 5225     | 0.388 | ng    | 97       |
| 23) Atrazine                  | 16.893 | 200  | 2143     | 0.276 | ng    | 93       |
| 24) Pentachlorophenol         | 17.092 | 266  | 1032     | 0.280 | ng    | 93       |
| 25) Phenanthrene              | 17.476 | 178  | 19238    | 0.362 | ng    | 99       |
| 26) Anthracene                | 17.576 | 178  | 14803    | 0.321 | ng    | 99       |
| 28) Fluoranthene              | 19.498 | 202  | 17339    | 0.307 | ng    | 99       |
| 30) Pyrene                    | 19.861 | 202  | 16675    | 0.373 | ng    | 100      |
| 32) Benzo(a)anthracene        | 21.602 | 228  | 11742    | 0.338 | ng    | 98       |
| 33) Chrysene                  | 21.665 | 228  | 13684    | 0.380 | ng    | 99       |
| 34) Bis(2-ethylhexyl)phtha... | 21.531 | 149  | 4861     | 0.349 | ng    | 99       |
| 36) Indeno(1,2,3-cd)pyrene    | 26.703 | 276  | 12440    | 0.462 | ng    | 97       |
| 37) Benzo(b)fluoranthene      | 23.344 | 252  | 11605    | 0.400 | ng    | # 91     |
| 38) Benzo(k)fluoranthene      | 23.397 | 252  | 11547    | 0.368 | ng    | # 94     |
| 39) Benzo(a)pyrene            | 23.993 | 252  | 8249     | 0.373 | ng    | # 86     |
| 40) Dibenzo(a,h)anthracene    | 26.727 | 278  | 10016    | 0.468 | ng    | 95       |
| 41) Benzo(g,h,i)perylene      | 27.501 | 276  | 10258    | 0.445 | ng    | 96       |
| -----                         |        |      |          |       |       |          |

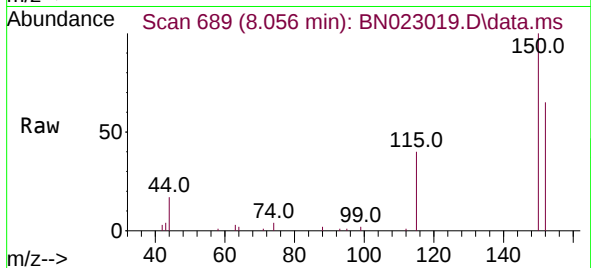
(#) = qualifier out of range (m) = manual integration (+) = signals summed





#1  
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 8.056 min Scan# 68  
Delta R.T. -0.008 min  
Lab File: BN023019.D  
Acq: 01 Dec 2022 15:28

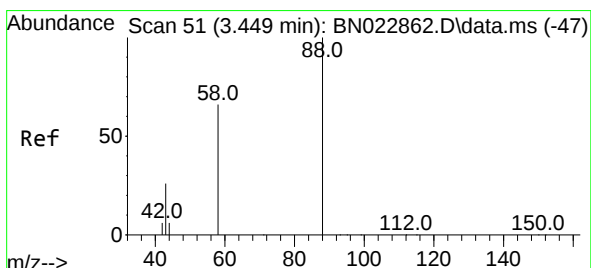
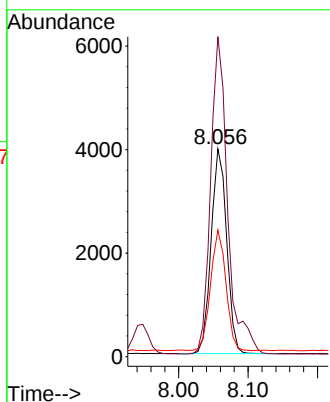
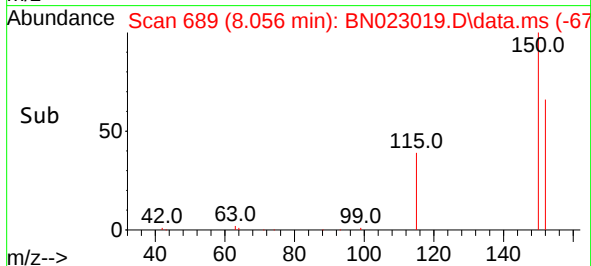
Instrument :  
BNA\_N  
ClientSampleId :  
PB149298BS



Tgt Ion:152 Resp: 6164  
Ion Ratio Lower Upper  
152 100  
150 154.0 121.2 181.8  
115 60.8 46.2 69.4

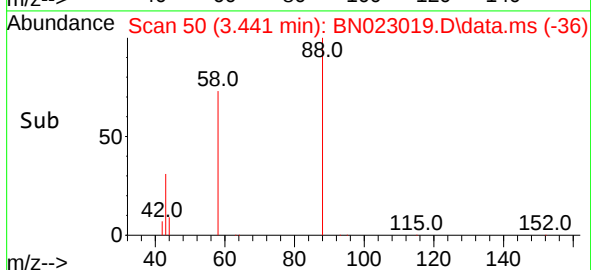
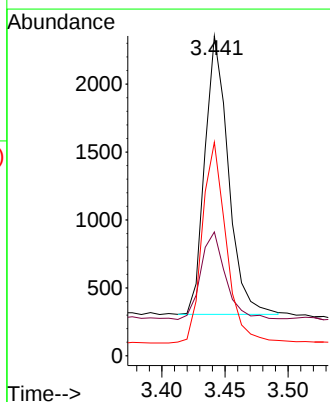
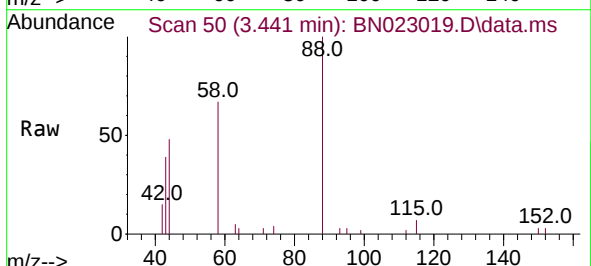
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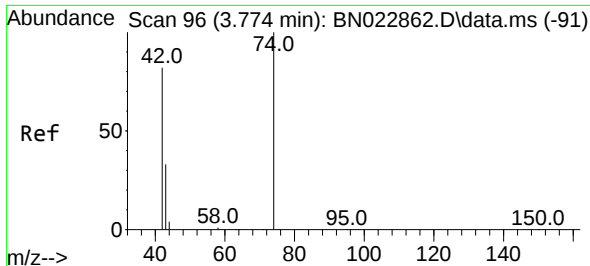
Reviewed By :Christian Giraldo 12/02/2022  
Supervised By :Jagrut Upadhyay 12/02/2022



#2  
1,4-Dioxane  
Concen: 0.341 ng  
RT: 3.441 min Scan# 50  
Delta R.T. 0.000 min  
Lab File: BN023019.D  
Acq: 01 Dec 2022 15:28

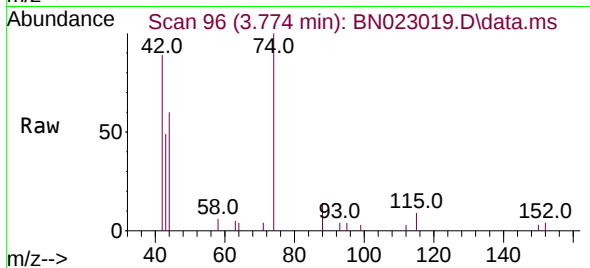
Tgt Ion: 88 Resp: 2667  
Ion Ratio Lower Upper  
88 100  
43 33.0 25.4 38.2  
58 73.4 56.5 84.7





#3  
n-Nitrosodimethylamine  
Concen: 0.319 ng  
RT: 3.774 min Scan# 90  
Delta R.T. 0.000 min  
Lab File: BN023019.D  
Acq: 01 Dec 2022 15:28

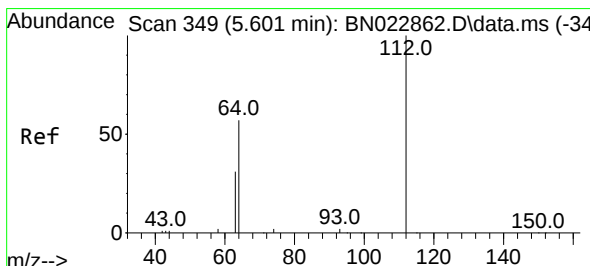
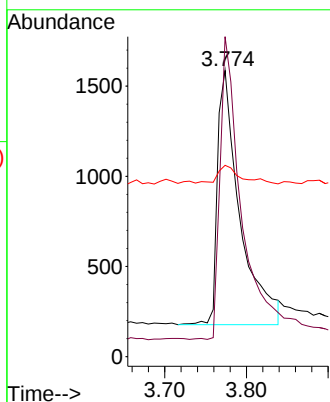
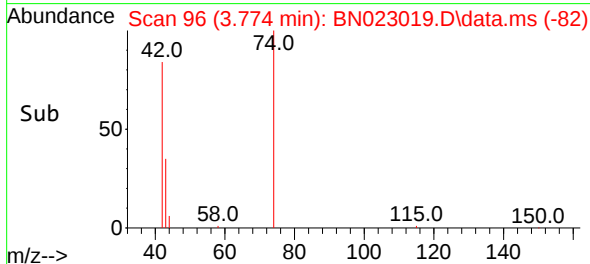
Instrument :  
BNA\_N  
Client Sample Id :  
PB149298BS



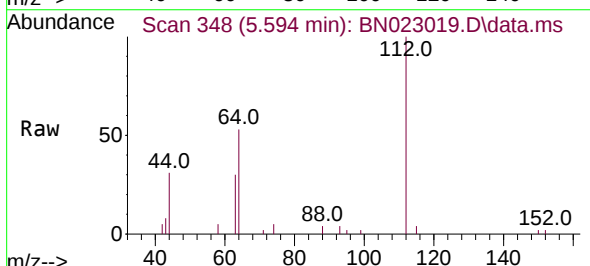
Tgt Ion: 42 Resp: 2686  
Ion Ratio Lower Upper  
42 100  
74 113.5 99.3 148.9  
44 7.2 5.4 8.2

Manual Integrations  
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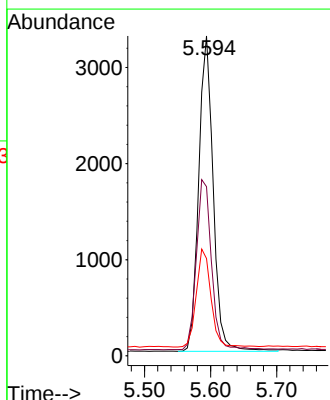
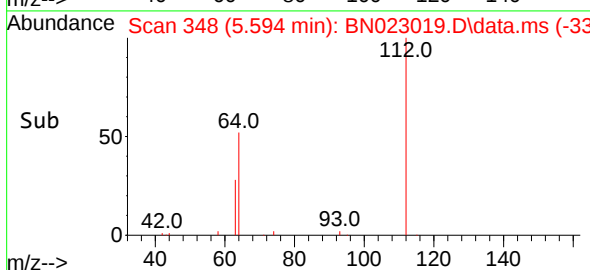
Reviewed By :Christian Giraldo 12/02/2022  
Supervised By :Jagrut Upadhyay 12/02/2022

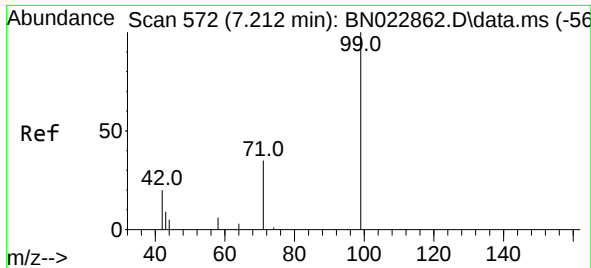


#4  
2-Fluorophenol  
Concen: 0.311 ng  
RT: 5.594 min Scan# 348  
Delta R.T. -0.007 min  
Lab File: BN023019.D  
Acq: 01 Dec 2022 15:28



Tgt Ion: 112 Resp: 4982  
Ion Ratio Lower Upper  
112 100  
64 56.2 43.4 65.2  
63 31.4 23.4 35.2





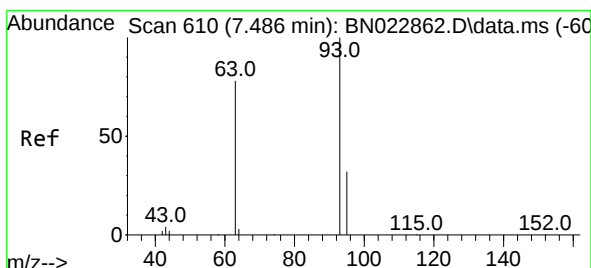
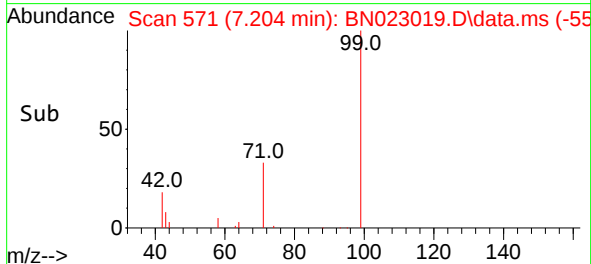
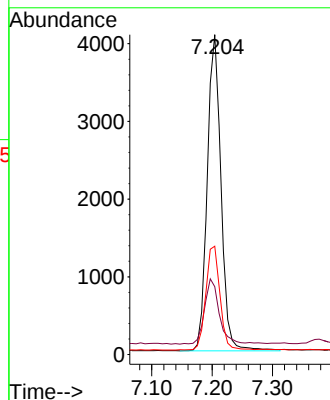
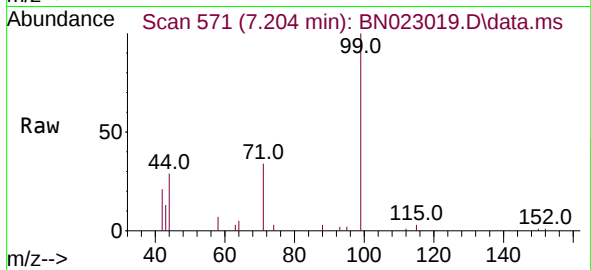
#5  
Phenol-d6  
Concen: 0.316 ng  
RT: 7.204 min Scan# 51  
Delta R.T. 0.000 min  
Lab File: BN023019.D  
Acq: 01 Dec 2022 15:28

Instrument :  
BNA\_N  
ClientSampleId :  
PB149298BS

Tgt Ion: 99 Resp: 644  
Ion Ratio Lower Upper  
99 100  
42 21.9 16.0 24.0  
71 33.8 26.8 40.2

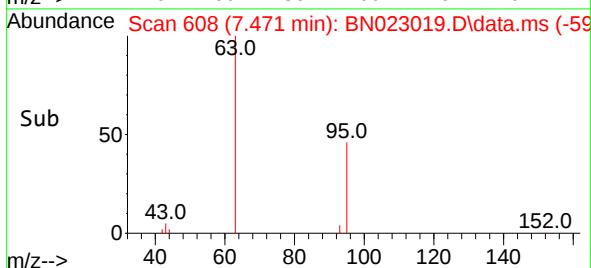
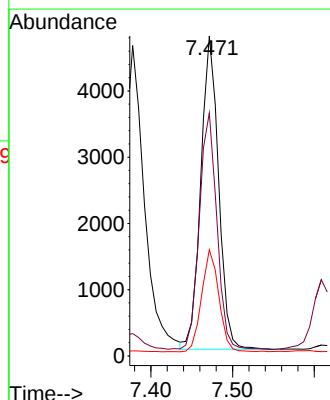
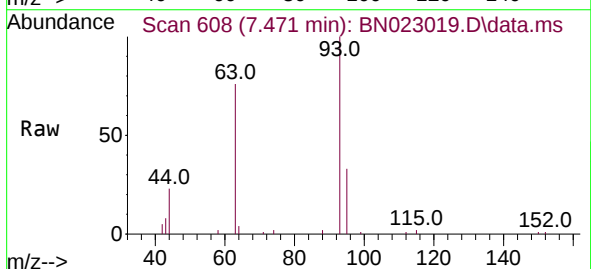
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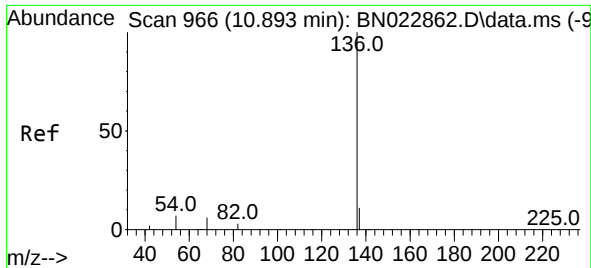
Reviewed By :Christian Giraldo 12/02/2022  
Supervised By :Jagrut Upadhyay 12/02/2022



#6  
bis(2-Chloroethyl)ether  
Concen: 0.372 ng  
RT: 7.471 min Scan# 608  
Delta R.T. -0.007 min  
Lab File: BN023019.D  
Acq: 01 Dec 2022 15:28

Tgt Ion: 93 Resp: 7123  
Ion Ratio Lower Upper  
93 100  
63 74.8 58.3 87.5  
95 31.5 25.8 38.6





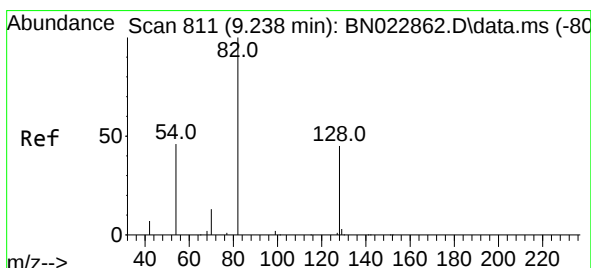
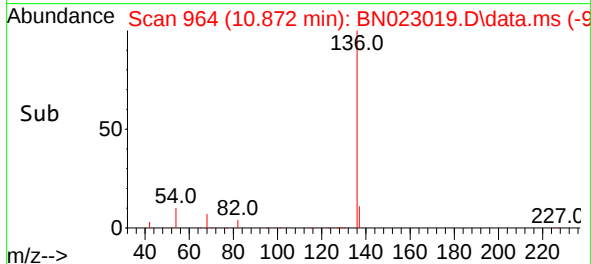
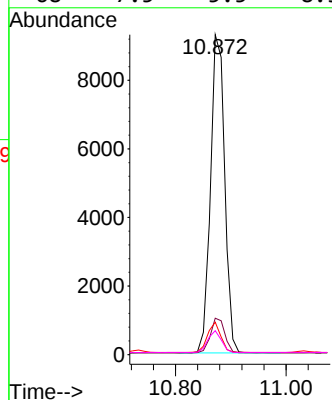
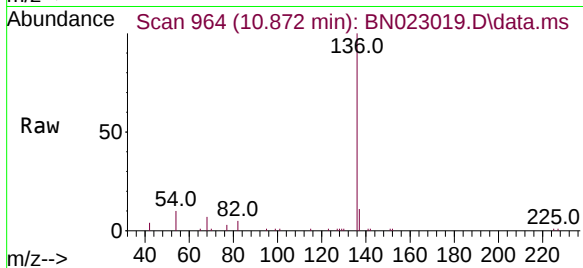
#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.872 min Scan# 90  
Delta R.T. -0.011 min  
Lab File: BN023019.D  
Acq: 01 Dec 2022 15:28

Instrument :  
BNA\_N  
ClientSampleId :  
PB149298BS

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 136   | Resp: | 16529 |
| Ion Ratio | Lower | Upper |       |
| 136       | 100   |       |       |
| 137       | 11.4  | 9.0   | 13.4  |
| 54        | 10.1  | 6.6   | 9.8   |
| 68        | 7.5   | 5.5   | 8.3   |

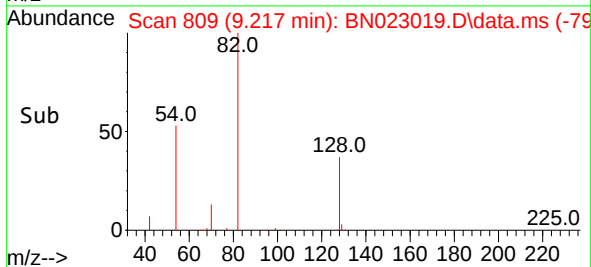
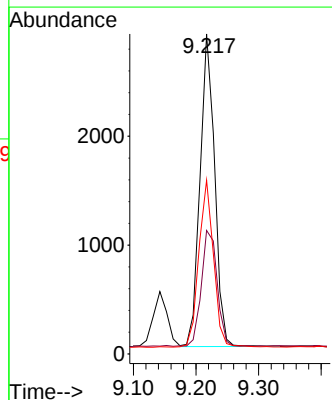
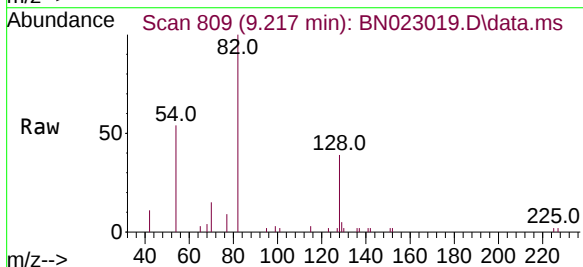
Manual Integrations  
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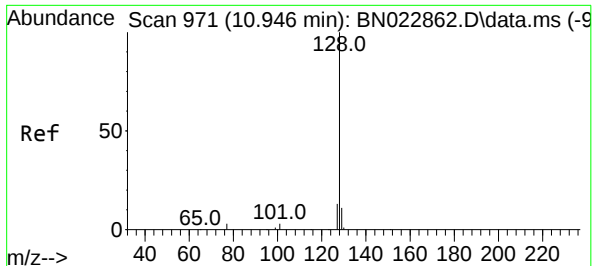
Reviewed By :Christian Giraldo 12/02/2022  
Supervised By :Jagrut Upadhyay 12/02/2022



#8  
Nitrobenzene-d5  
Concen: 0.363 ng  
RT: 9.217 min Scan# 809  
Delta R.T. -0.011 min  
Lab File: BN023019.D  
Acq: 01 Dec 2022 15:28

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 82    | Resp: | 4664 |
| Ion Ratio | Lower | Upper |      |
| 82        | 100   |       |      |
| 128       | 38.6  | 36.6  | 54.8 |
| 54        | 54.3  | 38.5  | 57.7 |





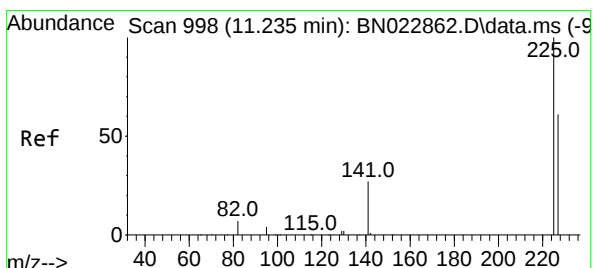
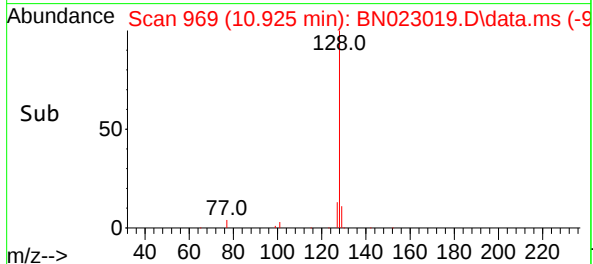
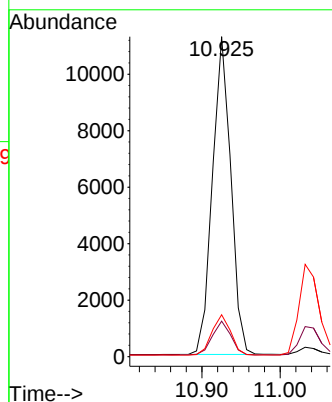
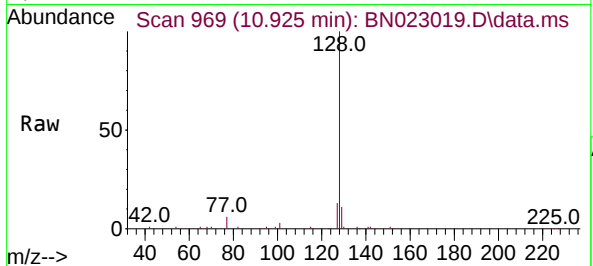
#9  
Naphthalene  
Concen: 0.362 ng  
RT: 10.925 min Scan# 90  
Delta R.T. -0.011 min  
Lab File: BN023019.D  
Acq: 01 Dec 2022 15:28

Instrument :  
BNA\_N  
ClientSampleId :  
PB149298BS

Tgt Ion:128 Resp: 18429  
Ion Ratio Lower Upper  
128 100  
129 11.1 9.0 13.4  
127 13.1 10.8 16.2

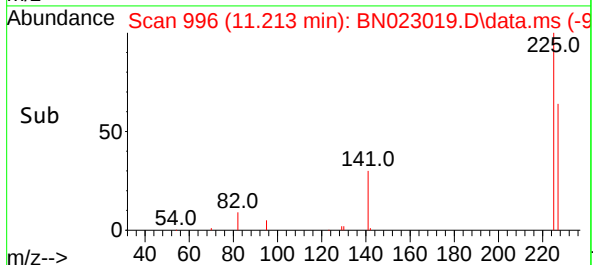
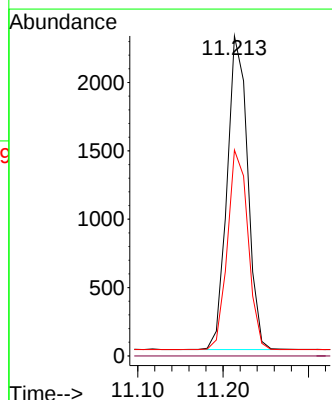
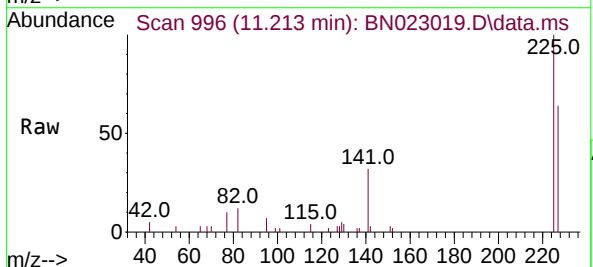
Manual Integrations  
APPROVED

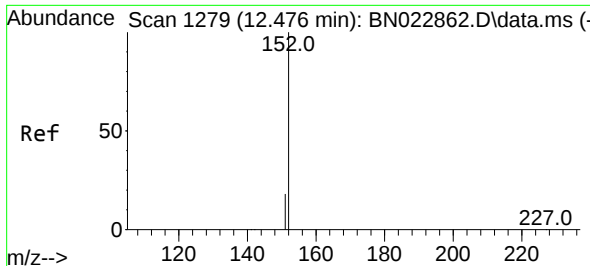
Reviewed By :Christian Giraldo 12/02/2022  
Supervised By :Jagrut Upadhyay 12/02/2022



#10  
Hexachlorobutadiene  
Concen: 0.368 ng  
RT: 11.213 min Scan# 996  
Delta R.T. -0.011 min  
Lab File: BN023019.D  
Acq: 01 Dec 2022 15:28

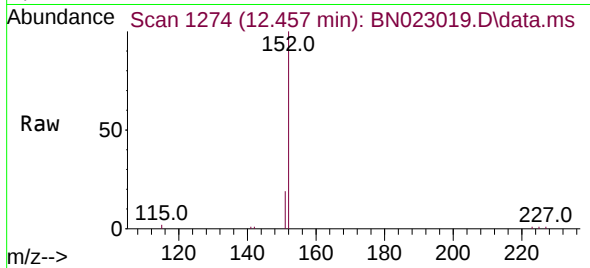
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Ion Ratio Lower Upper  
225 100  
223 0.0 0.0 0.0  
227 63.7 50.8 76.2





#11  
2-Methylnaphthalene-d10  
Concen: 0.372 ng  
RT: 12.457 min Scan# 1192  
Delta R.T. -0.008 min  
Lab File: BN023019.D  
Acq: 01 Dec 2022 15:28

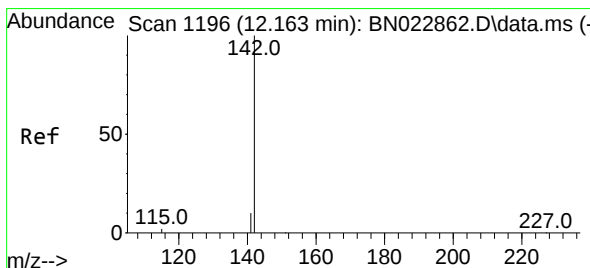
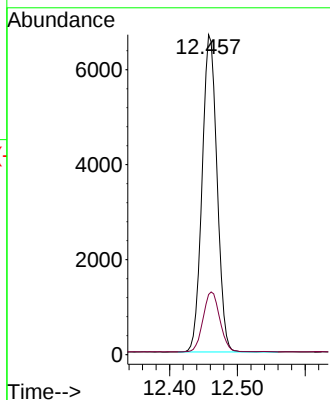
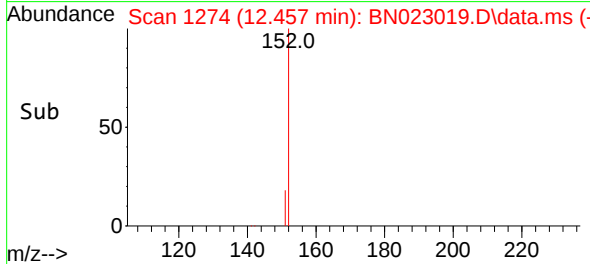
Instrument :  
BNA\_N  
ClientSampleId :  
PB149298BS



Tgt Ion:152 Resp: 13325  
Ion Ratio Lower Upper  
152 100  
151 16.2 18.6 27.8#

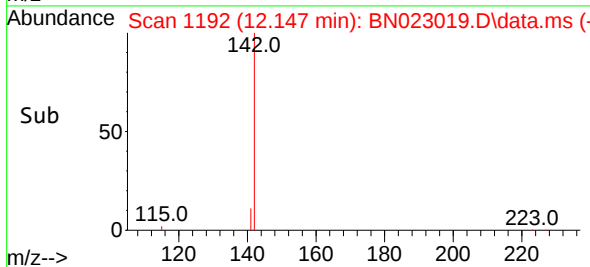
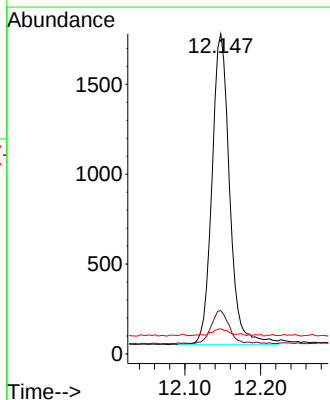
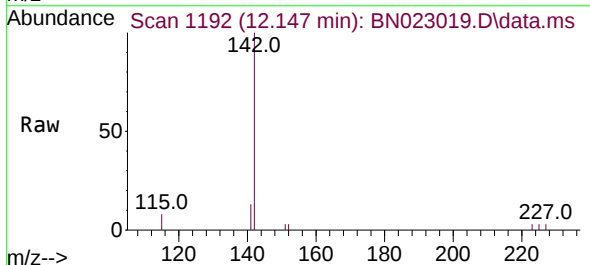
Manual Integrations  
APPROVED

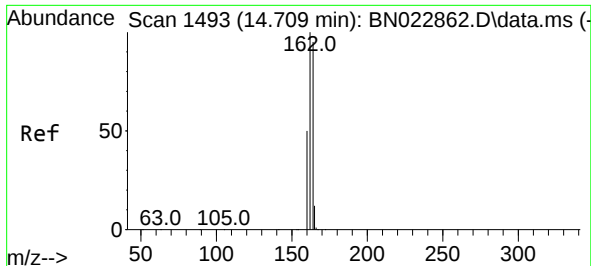
Reviewed By :Christian Giraldo 12/02/2022  
Supervised By :Jagrut Upadhyay 12/02/2022



#12  
2-Methylnaphthalene  
Concen: 0.269 ng  
RT: 12.147 min Scan# 1192  
Delta R.T. -0.004 min  
Lab File: BN023019.D  
Acq: 01 Dec 2022 15:28

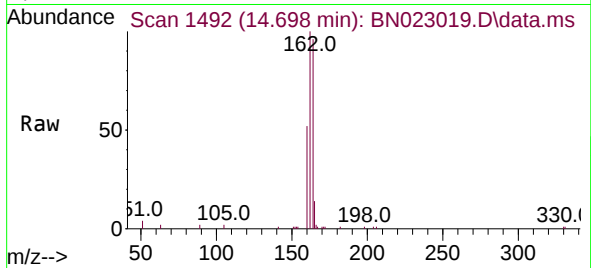
Tgt Ion:142 Resp: 2793  
Ion Ratio Lower Upper  
142 100  
141 13.5 10.1 15.1  
115 7.9 4.6 7.0#





#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.698 min Scan# 1492  
Delta R.T. 0.000 min  
Lab File: BN023019.D  
Acq: 01 Dec 2022 15:28

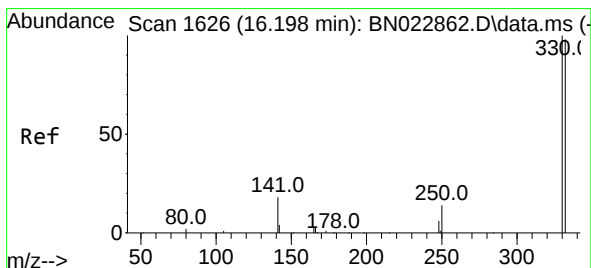
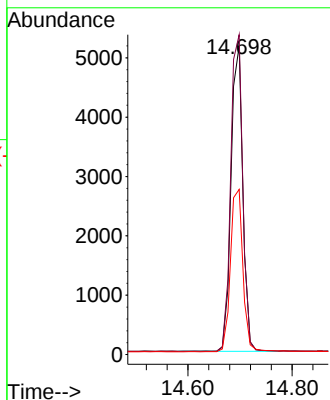
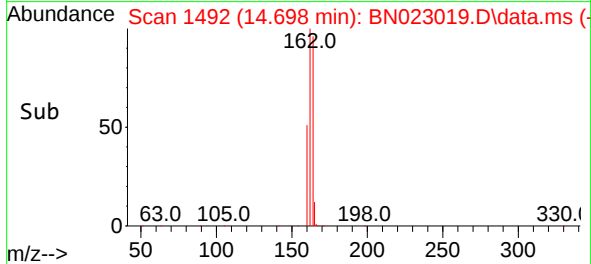
Instrument :  
BNA\_N  
ClientSampleId :  
PB149298BS



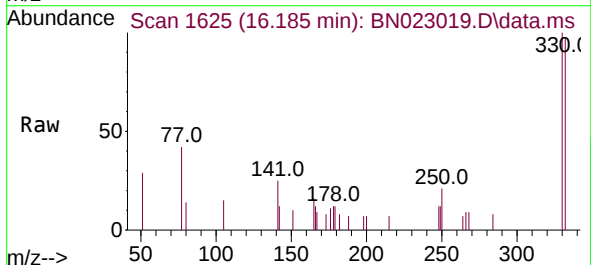
Tgt Ion:164 Resp: 807  
Ion Ratio Lower Upper  
164 100  
162 103.7 84.2 126.4  
160 53.5 42.5 63.7

Manual Integrations  
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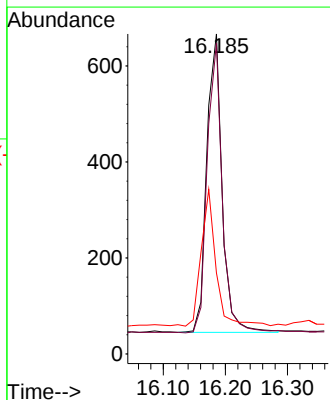
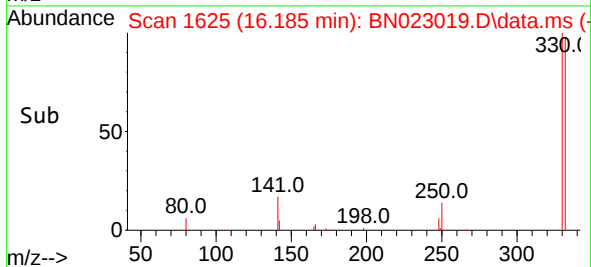
Reviewed By :Christian Giraldo 12/02/2022  
Supervised By :Jagrut Upadhyay 12/02/2022

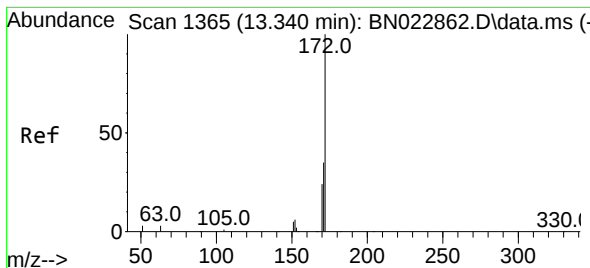


#14  
2,4,6-Tribromophenol  
Concen: 0.274 ng  
RT: 16.185 min Scan# 1625  
Delta R.T. 0.000 min  
Lab File: BN023019.D  
Acq: 01 Dec 2022 15:28



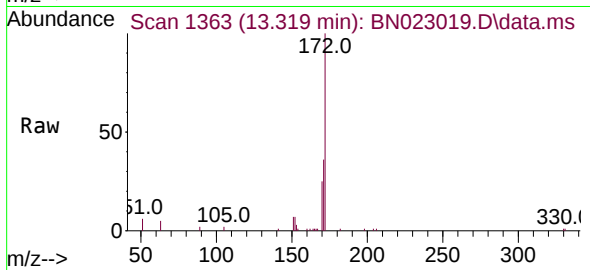
Tgt Ion:330 Resp: 1066  
Ion Ratio Lower Upper  
330 100  
332 95.4 76.5 114.7  
141 43.1 32.6 48.8





#15  
2-Fluorobiphenyl  
Concen: 0.397 ng  
RT: 13.319 min Scan# 1365  
Delta R.T. -0.011 min  
Lab File: BN023019.D  
Acq: 01 Dec 2022 15:28

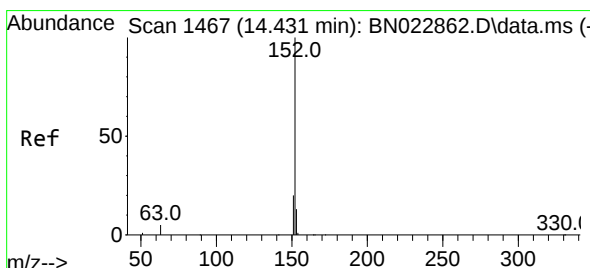
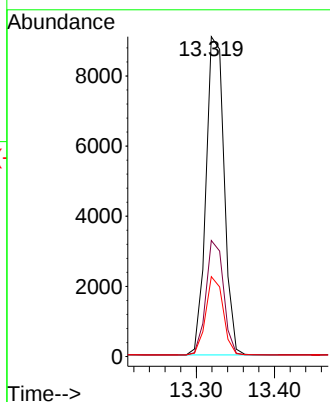
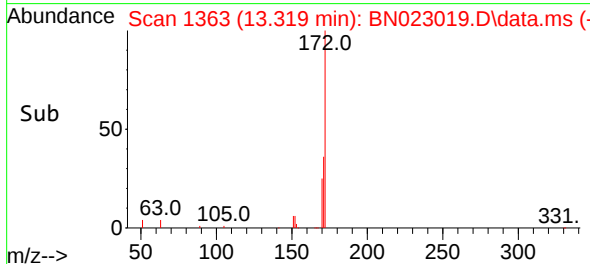
Instrument :  
BNA\_N  
ClientSampleId :  
PB149298BS



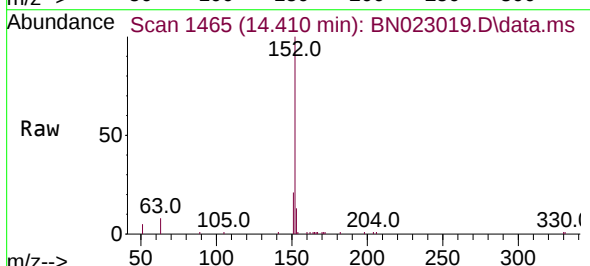
Tgt Ion:172 Resp: 1465  
Ion Ratio Lower Upper  
172 100  
171 36.3 28.2 42.4  
170 25.0 19.3 28.9

Manual Integrations  
APPROVED

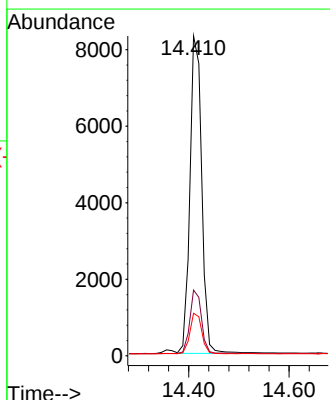
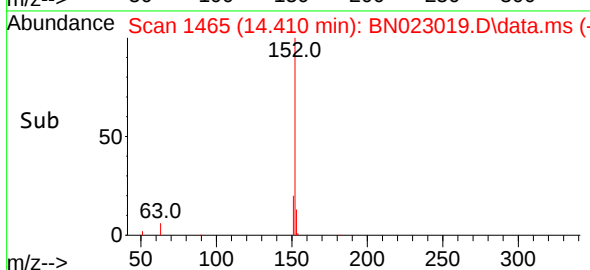
Reviewed By :Christian Giraldo 12/02/2022  
Supervised By :Jagrut Upadhyay 12/02/2022

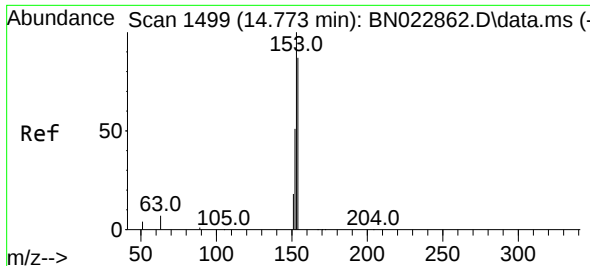


#16  
Acenaphthylene  
Concen: 0.318 ng m  
RT: 14.410 min Scan# 1465  
Delta R.T. -0.011 min  
Lab File: BN023019.D  
Acq: 01 Dec 2022 15:28



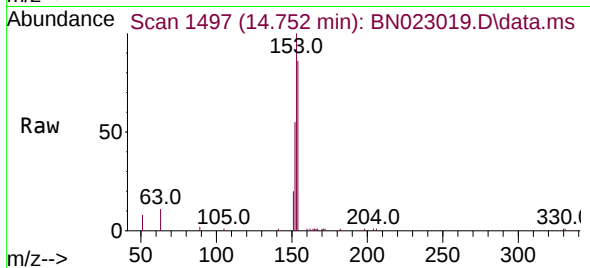
Tgt Ion:152 Resp: 13592  
Ion Ratio Lower Upper  
152 100  
151 19.7 16.1 24.1  
153 13.1 10.5 15.7





#17  
Acenaphthene  
Concen: 0.364 ng  
RT: 14.752 min Scan# 1497  
Delta R.T. -0.011 min  
Lab File: BN023019.D  
Acq: 01 Dec 2022 15:28

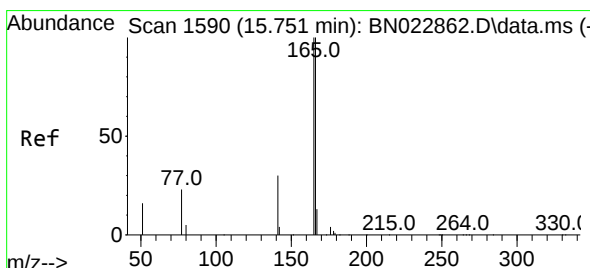
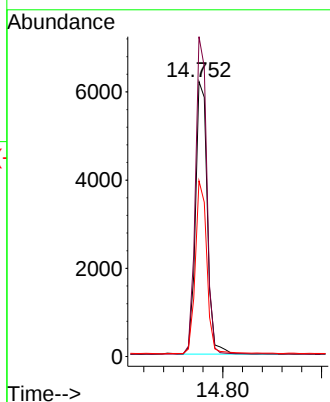
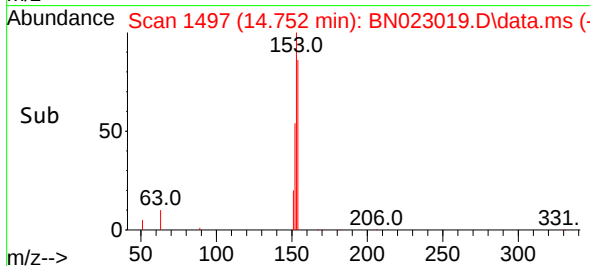
Instrument :  
BNA\_N  
ClientSampleId :  
PB149298BS



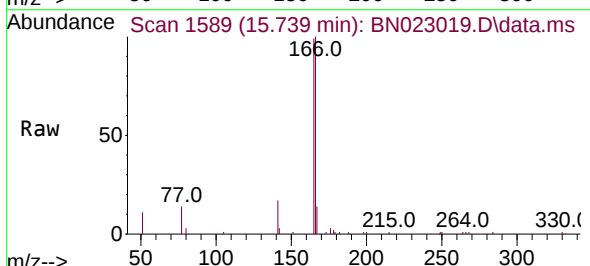
Tgt Ion:154 Resp: 1022  
Ion Ratio Lower Upper  
154 100  
153 112.6 90.0 135.0  
152 61.7 47.0 70.6

Manual Integrations  
APPROVED

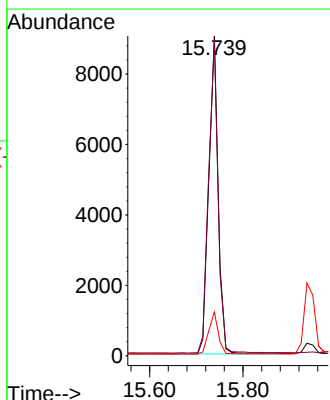
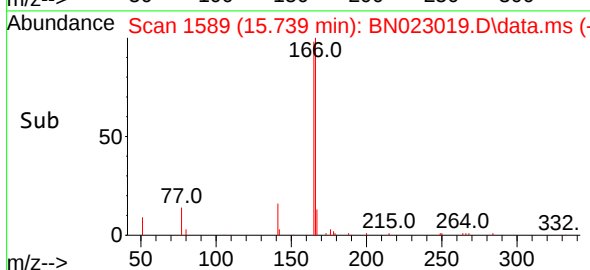
Reviewed By :Christian Giraldo 12/02/2022  
Supervised By :Jagrut Upadhyay 12/02/2022

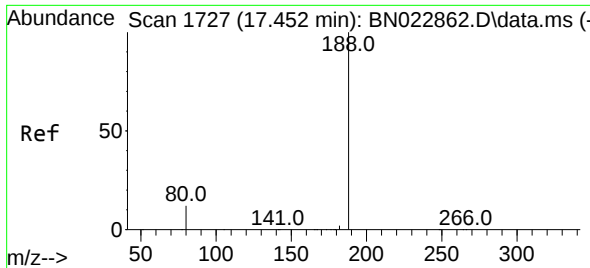


#18  
Fluorene  
Concen: 0.338 ng  
RT: 15.739 min Scan# 1589  
Delta R.T. 0.000 min  
Lab File: BN023019.D  
Acq: 01 Dec 2022 15:28



Tgt Ion:166 Resp: 12164  
Ion Ratio Lower Upper  
166 100  
165 100.7 79.4 119.0  
167 13.6 10.7 16.1





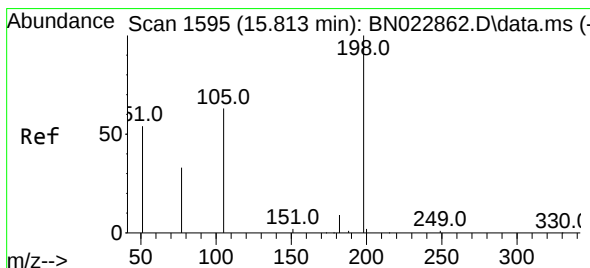
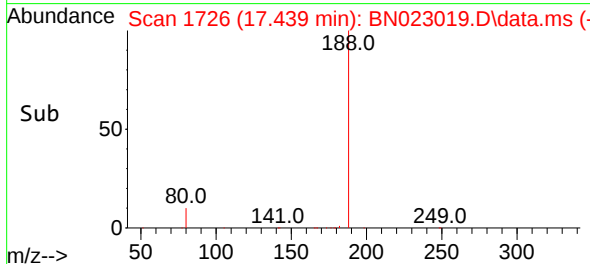
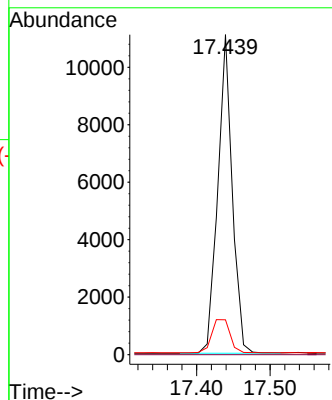
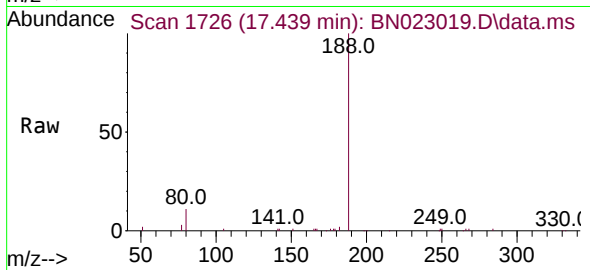
#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.439 min Scan# 1726  
Delta R.T. 0.000 min  
Lab File: BN023019.D  
Acq: 01 Dec 2022 15:28

Instrument :  
BNA\_N  
ClientSampleId :  
PB149298BS

Tgt Ion:188 Resp: 15269  
Ion Ratio Lower Upper  
188 100  
94 0.0 0.0 0.0  
80 10.9 10.3 15.5

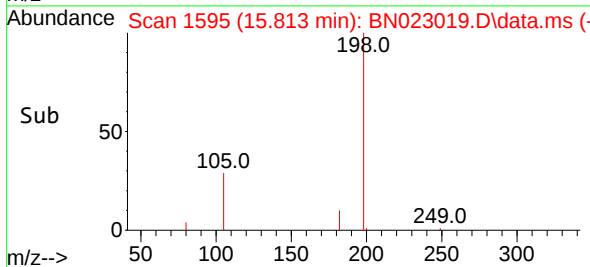
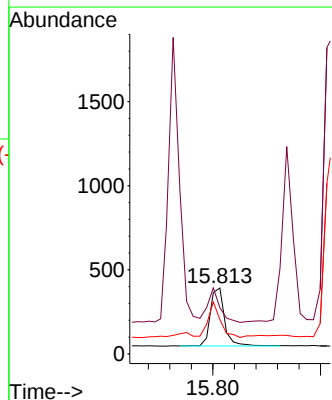
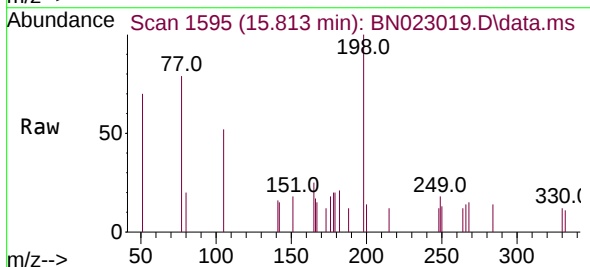
Manual Integrations  
APPROVED

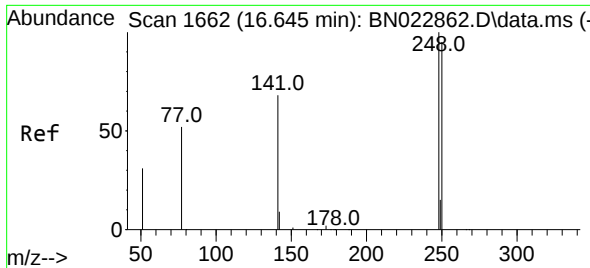
Reviewed By :Christian Giraldo 12/02/2022  
Supervised By :Jagrut Upadhyay 12/02/2022



#20  
4,6-Dinitro-2-methylphenol  
Concen: 0.373 ng  
RT: 15.813 min Scan# 1595  
Delta R.T. 0.000 min  
Lab File: BN023019.D  
Acq: 01 Dec 2022 15:28

Tgt Ion:198 Resp: 636  
Ion Ratio Lower Upper  
198 100  
51 70.2 80.5 120.7#  
105 52.0 70.5 105.7#





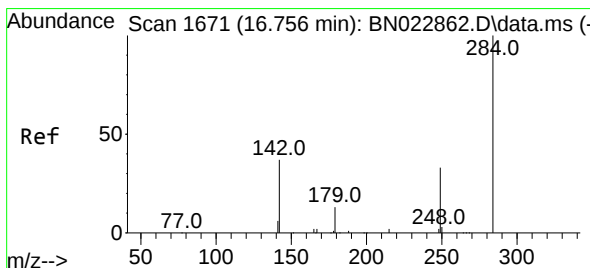
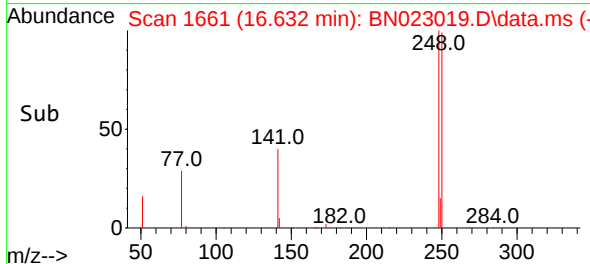
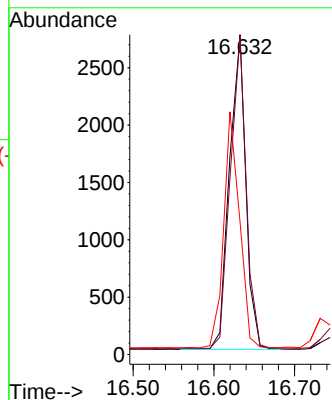
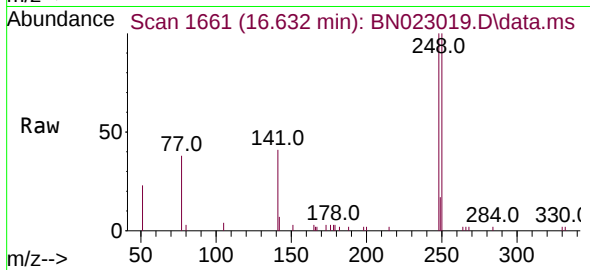
#21  
4-Bromophenyl-phenylether  
Concen: 0.351 ng  
RT: 16.632 min Scan# 1661  
Delta R.T. 0.000 min  
Lab File: BN023019.D  
Acq: 01 Dec 2022 15:28

Instrument :  
BNA\_N  
ClientSampleId :  
PB149298BS

Tgt Ion:248 Resp: 3865  
Ion Ratio Lower Upper  
248 100  
250 99.7 75.8 113.6  
141 41.4 55.4 83.0

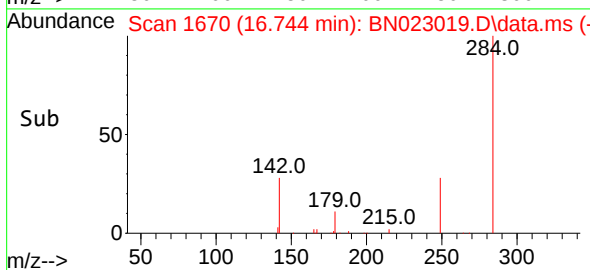
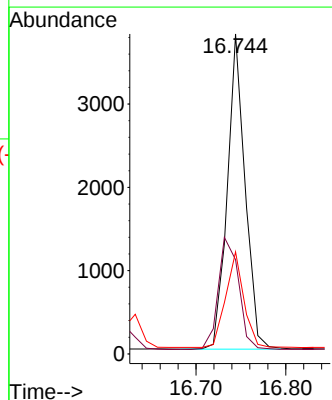
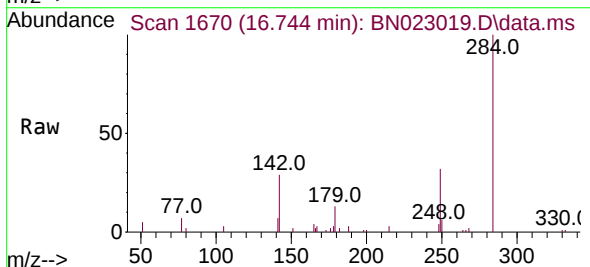
Manual Integrations  
APPROVED

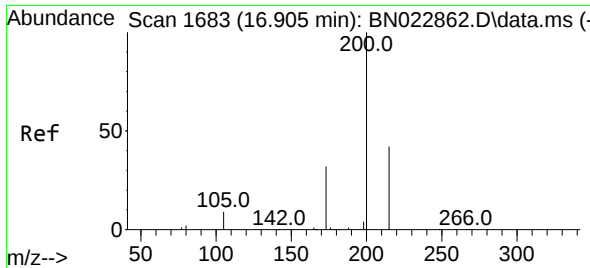
Reviewed By :Christian Giraldo 12/02/2022  
Supervised By :Jagrut Upadhyay 12/02/2022



#22  
Hexachlorobenzene  
Concen: 0.388 ng  
RT: 16.744 min Scan# 1670  
Delta R.T. 0.000 min  
Lab File: BN023019.D  
Acq: 01 Dec 2022 15:28

Tgt Ion:284 Resp: 5225  
Ion Ratio Lower Upper  
284 100  
142 40.9 30.1 45.1  
249 30.7 24.5 36.7





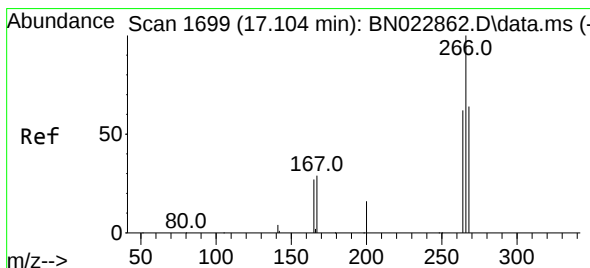
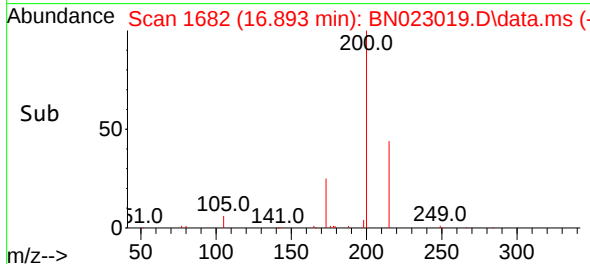
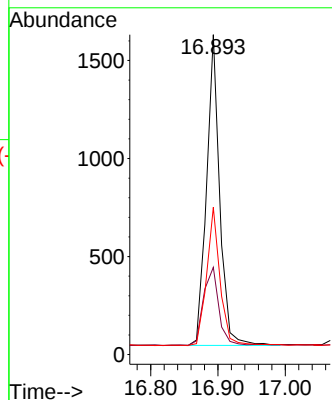
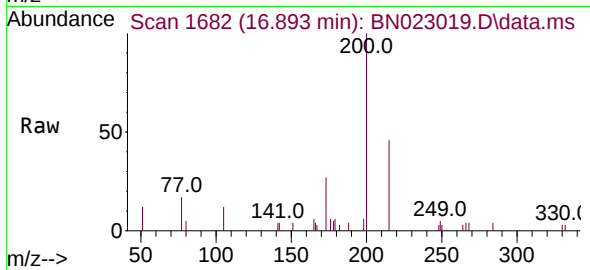
#23  
Atrazine  
Concen: 0.276 ng  
RT: 16.893 min Scan# 1682  
Delta R.T. 0.000 min  
Lab File: BN023019.D  
Acq: 01 Dec 2022 15:28

Instrument :  
BNA\_N  
ClientSampleId :  
PB149298BS

Tgt Ion:200 Resp: 2143  
Ion Ratio Lower Upper  
200 100  
173 27.3 26.4 39.6  
215 46.0 34.4 51.6

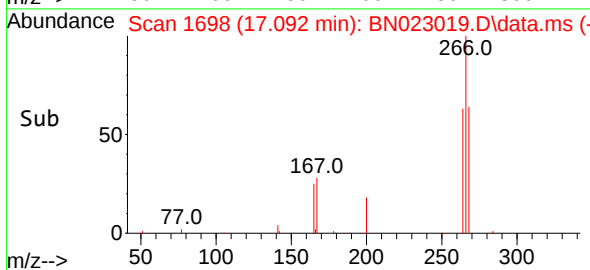
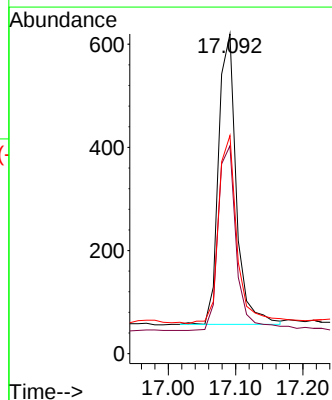
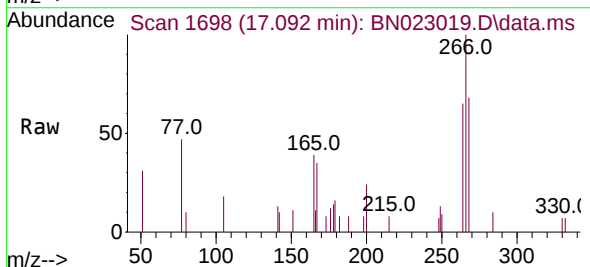
Manual Integrations  
APPROVED

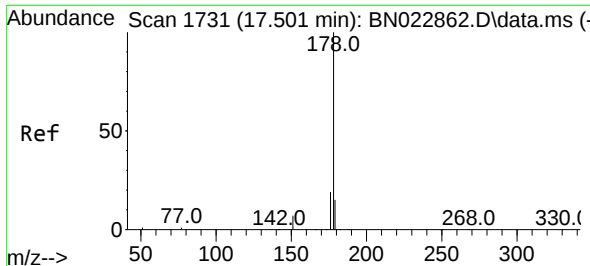
Reviewed By :Christian Giraldo 12/02/2022  
Supervised By :Jagrut Upadhyay 12/02/2022



#24  
Pentachlorophenol  
Concen: 0.280 ng  
RT: 17.092 min Scan# 1698  
Delta R.T. 0.000 min  
Lab File: BN023019.D  
Acq: 01 Dec 2022 15:28

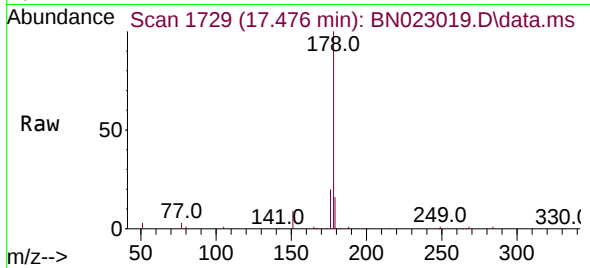
Tgt Ion:266 Resp: 1032  
Ion Ratio Lower Upper  
266 100  
264 68.0 50.0 75.0  
268 69.5 50.9 76.3





#25  
Phenanthrene  
Concen: 0.362 ng  
RT: 17.476 min Scan# 1731  
Delta R.T. -0.012 min  
Lab File: BN023019.D  
Acq: 01 Dec 2022 15:28

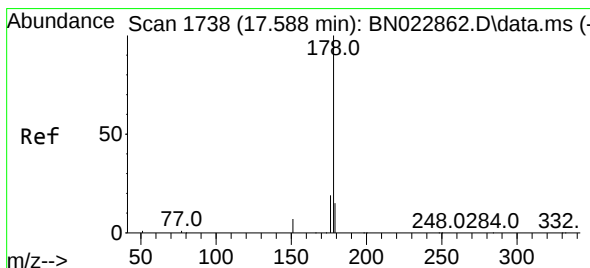
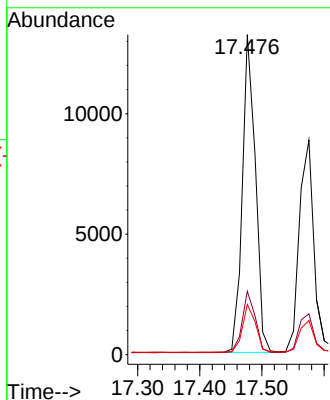
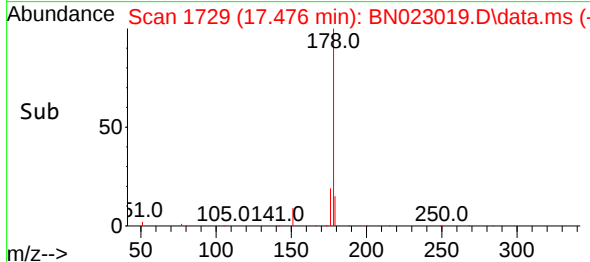
Instrument :  
BNA\_N  
ClientSampleId :  
PB149298BS



Tgt Ion:178 Resp: 19238  
Ion Ratio Lower Upper  
178 100  
176 19.2 15.6 23.4  
179 15.4 12.2 18.2

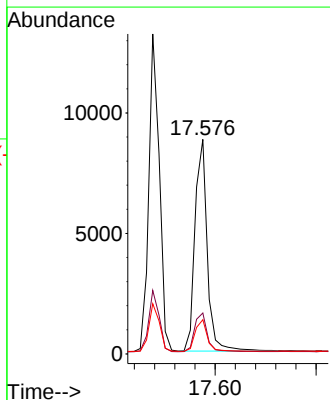
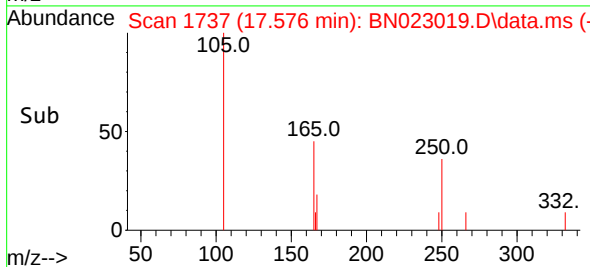
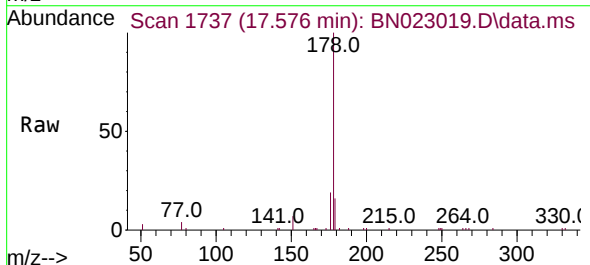
Manual Integrations  
APPROVED

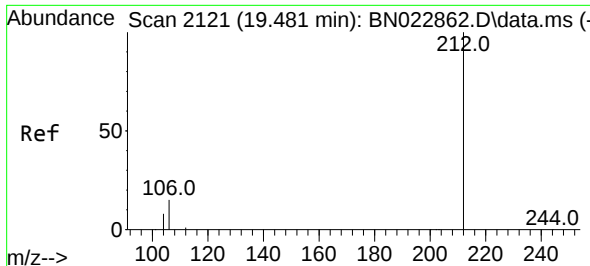
Reviewed By :Christian Giraldo 12/02/2022  
Supervised By :Jagrut Upadhyay 12/02/2022



#26  
Anthracene  
Concen: 0.321 ng  
RT: 17.576 min Scan# 1737  
Delta R.T. 0.000 min  
Lab File: BN023019.D  
Acq: 01 Dec 2022 15:28

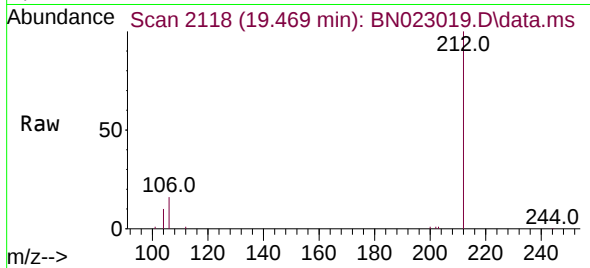
Tgt Ion:178 Resp: 14803  
Ion Ratio Lower Upper  
178 100  
176 19.0 15.2 22.8  
179 14.6 12.2 18.2





#27  
Fluoranthene-d10  
Concen: 0.347 ng  
RT: 19.469 min Scan# 2118  
Delta R.T. -0.004 min  
Lab File: BN023019.D  
Acq: 01 Dec 2022 15:28

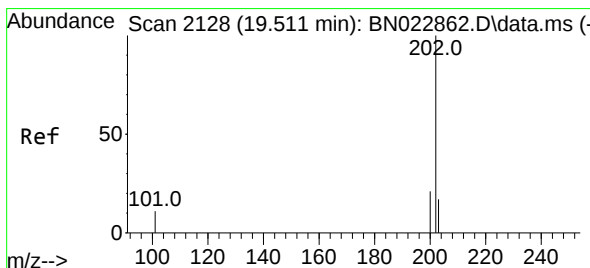
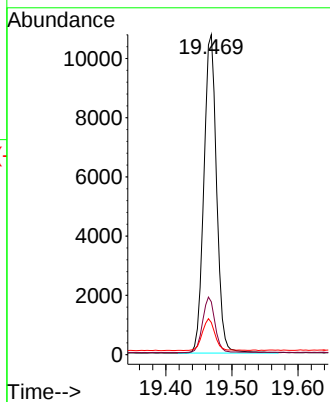
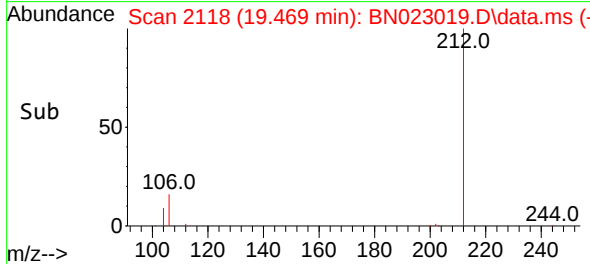
Instrument :  
BNA\_N  
ClientSampleId :  
PB149298BS



Tgt Ion:212 Resp: 14384  
Ion Ratio Lower Upper  
212 100  
106 17.1 12.3 18.5  
104 9.8 7.0 10.4

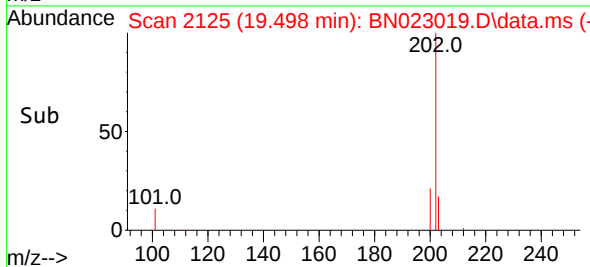
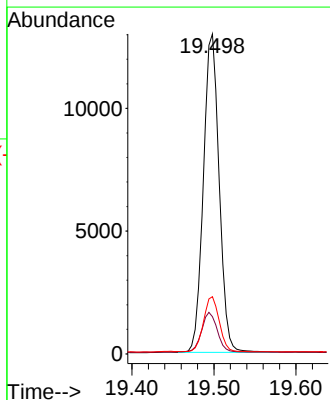
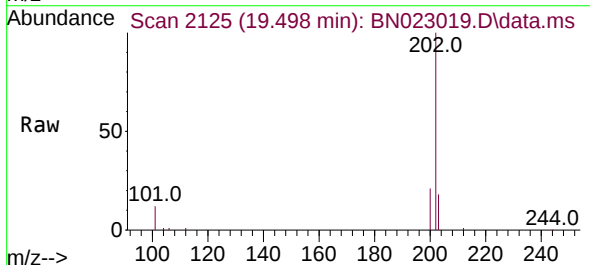
Manual Integrations  
APPROVED

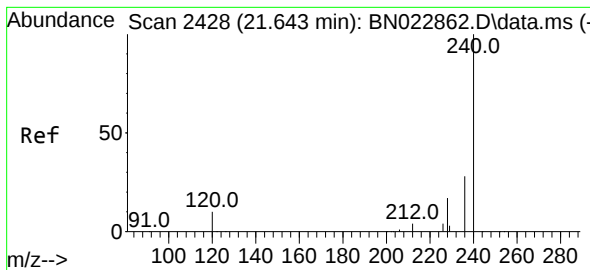
Reviewed By :Christian Giraldo 12/02/2022  
Supervised By :Jagrut Upadhyay 12/02/2022



#28  
Fluoranthene  
Concen: 0.307 ng  
RT: 19.498 min Scan# 2125  
Delta R.T. -0.004 min  
Lab File: BN023019.D  
Acq: 01 Dec 2022 15:28

Tgt Ion:202 Resp: 17339  
Ion Ratio Lower Upper  
202 100  
101 12.4 9.3 13.9  
203 17.3 13.7 20.5





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.620 min Scan# 2428

Delta R.T. -0.009 min

Lab File: BN023019.D

Acq: 01 Dec 2022 15:28

Instrument :

BNA\_N

ClientSampleId :

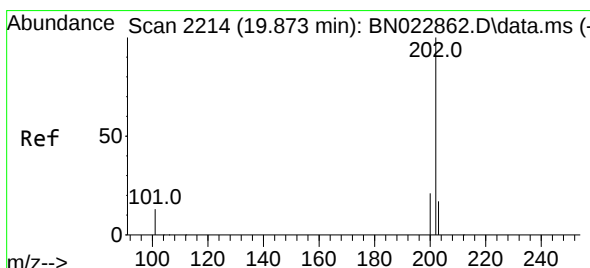
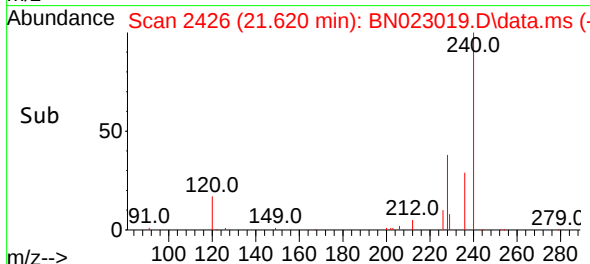
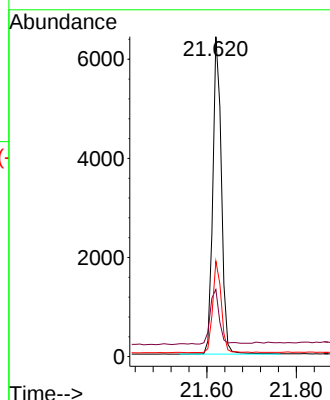
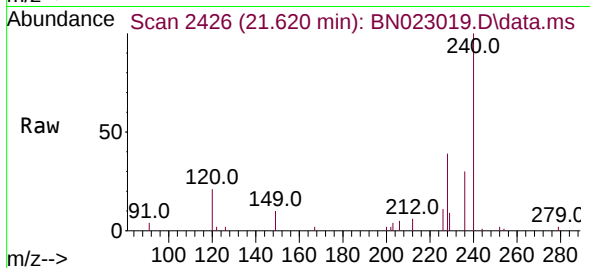
PB149298BS

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:240 | Resp: | 8589      |
| Ion Ratio   | Lower | Upper     |
| 240         | 100   |           |
| 120         | 21.0  | 9.2 13.8  |
| 236         | 29.8  | 22.6 34.0 |

Manual Integrations

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Reviewed By :Christian Giraldo 12/02/2022  
Supervised By :Jagrut Upadhyay 12/02/2022



#30

Pyrene

Concen: 0.373 ng

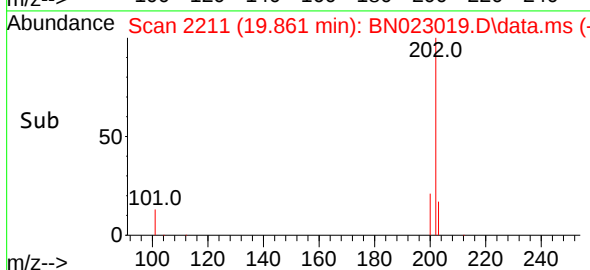
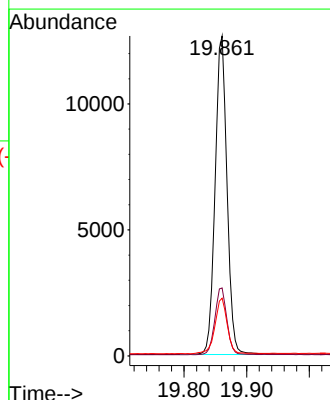
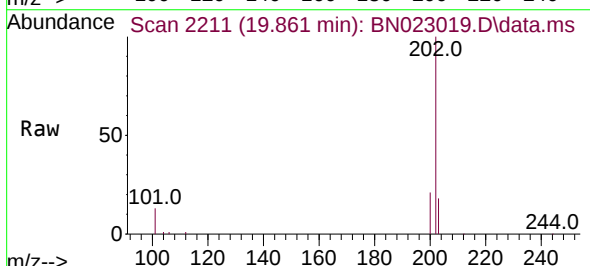
RT: 19.861 min Scan# 2211

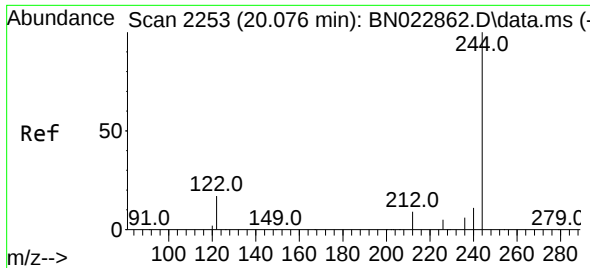
Delta R.T. -0.004 min

Lab File: BN023019.D

Acq: 01 Dec 2022 15:28

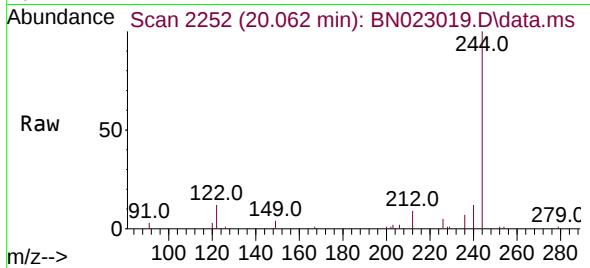
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:202 | Resp: | 16675     |
| Ion Ratio   | Lower | Upper     |
| 202         | 100   |           |
| 200         | 21.2  | 17.0 25.4 |
| 203         | 18.0  | 14.2 21.2 |





#31  
 Terphenyl-d14  
 Concen: 0.312 ng  
 RT: 20.062 min Scan# 21  
 Delta R.T. 0.000 min  
 Lab File: BN023019.D  
 Acq: 01 Dec 2022 15:28

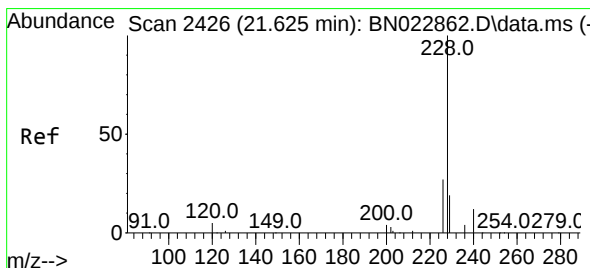
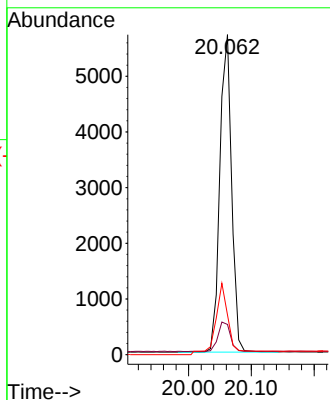
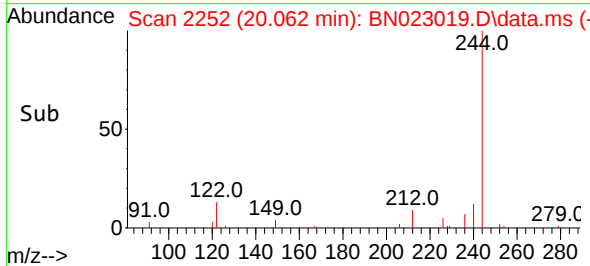
Instrument :  
 BNA\_N  
 ClientSampleId :  
 PB149298BS



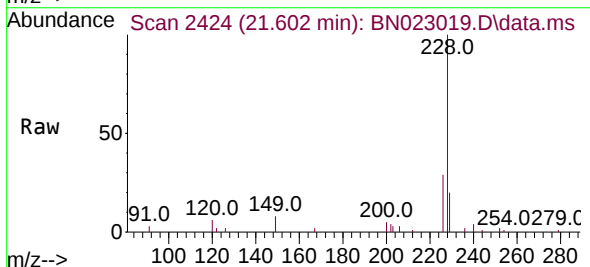
Tgt Ion:244 Resp: 6298  
 Ion Ratio Lower Upper  
 244 100  
 212 9.4 7.9 11.9  
 122 12.5 13.9 20.9

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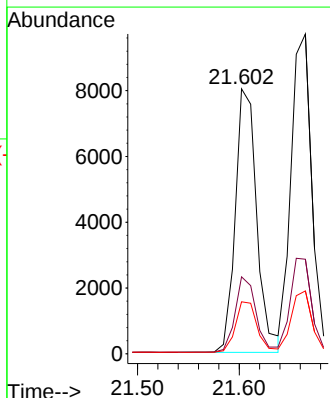
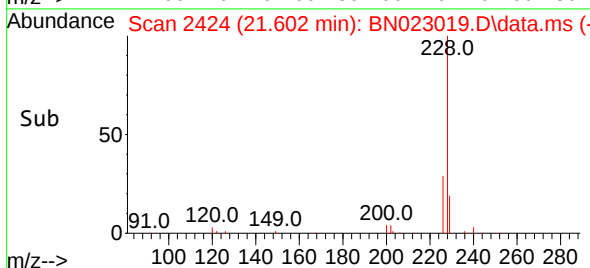
Reviewed By :Christian Giraldo 12/02/2022  
 Supervised By :Jagrut Upadhyay 12/02/2022

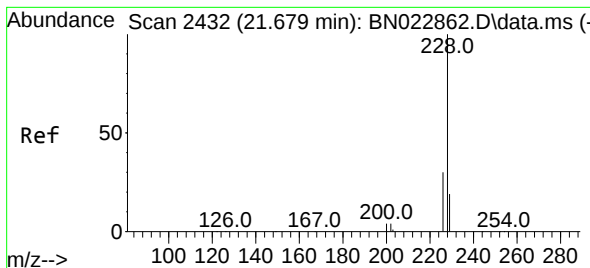


#32  
 Benzo(a)anthracene  
 Concen: 0.338 ng  
 RT: 21.602 min Scan# 2424  
 Delta R.T. -0.009 min  
 Lab File: BN023019.D  
 Acq: 01 Dec 2022 15:28



Tgt Ion:228 Resp: 11742  
 Ion Ratio Lower Upper  
 228 100  
 226 29.1 22.1 33.1  
 229 19.7 15.8 23.6





#33

Chrysene

Concen: 0.380 ng

RT: 21.665 min Scan# 2432

Delta R.T. 0.000 min

Lab File: BN023019.D

Acq: 01 Dec 2022 15:28

Instrument :

BNA\_N

ClientSampleId :

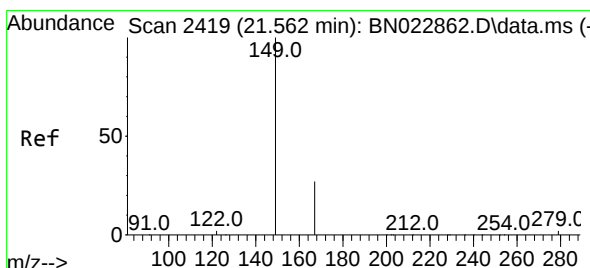
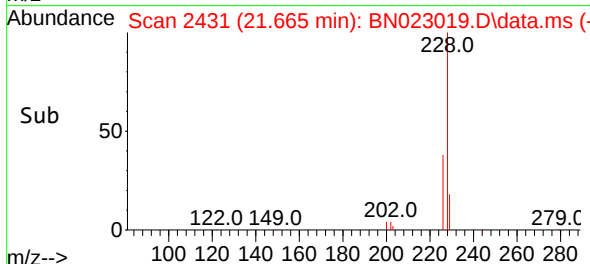
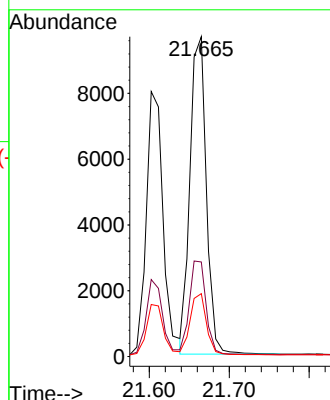
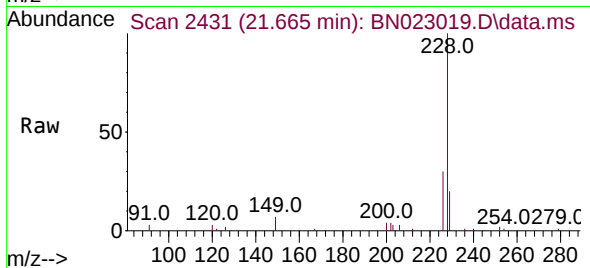
PB149298BS

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 228   | Resp: | 13684 |
| Ion Ratio | Lower | Upper |       |
| 228       | 100   |       |       |
| 226       | 29.6  | 24.5  | 36.7  |
| 229       | 19.7  | 15.8  | 23.6  |

Manual Integrations

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Reviewed By :Christian Giraldo 12/02/2022  
Supervised By :Jagrut Upadhyay 12/02/2022



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.349 ng

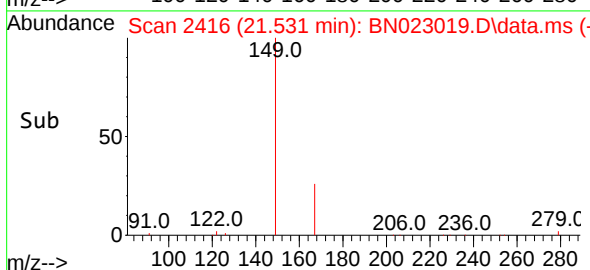
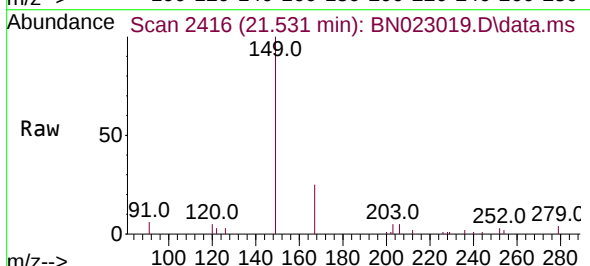
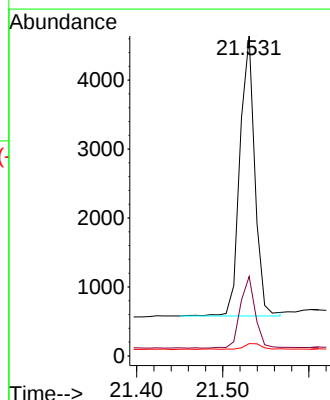
RT: 21.531 min Scan# 2416

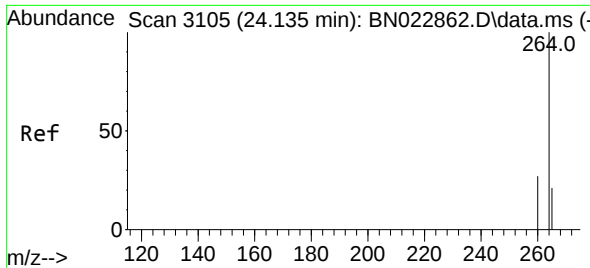
Delta R.T. -0.009 min

Lab File: BN023019.D

Acq: 01 Dec 2022 15:28

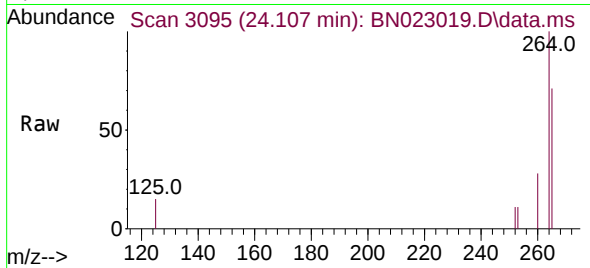
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 149   | Resp: | 4861 |
| Ion Ratio | Lower | Upper |      |
| 149       | 100   |       |      |
| 167       | 26.1  | 21.3  | 31.9 |
| 279       | 2.6   | 2.3   | 3.5  |





#35  
Perylene-d12  
Concen: 0.400 ng  
RT: 24.107 min Scan# 3095  
Delta R.T. -0.006 min  
Lab File: BN023019.D  
Acq: 01 Dec 2022 15:28

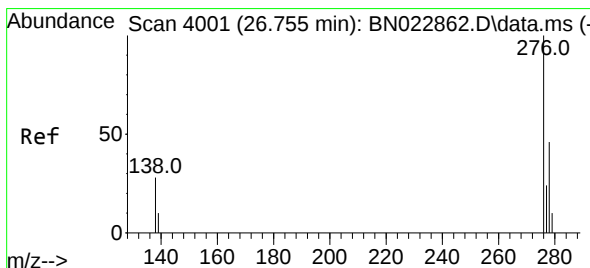
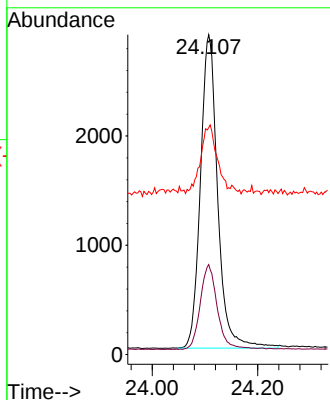
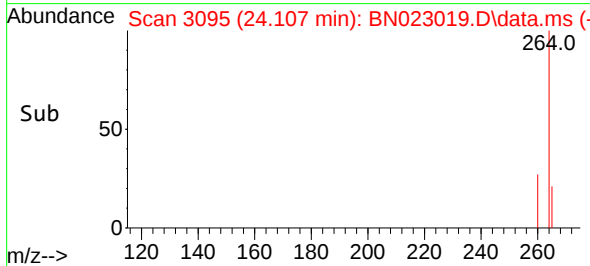
Instrument :  
BNA\_N  
ClientSampleId :  
PB149298BS



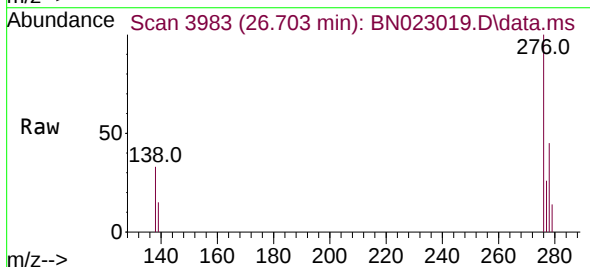
Tgt Ion:264 Resp: 6496  
Ion Ratio Lower Upper  
264 100  
260 28.1 21.7 32.5  
265 70.9 31.0 46.4

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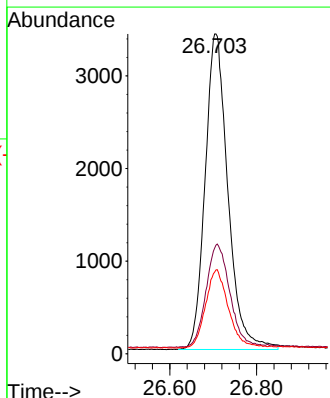
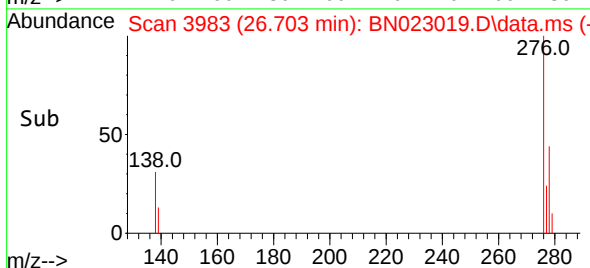
Reviewed By :Christian Giraldo 12/02/2022  
Supervised By :Jagrut Upadhyay 12/02/2022

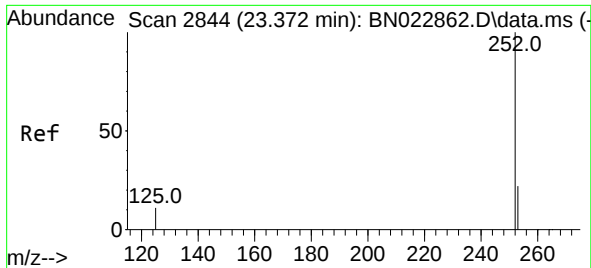


#36  
Indeno(1,2,3-cd)pyrene  
Concen: 0.462 ng  
RT: 26.703 min Scan# 3983  
Delta R.T. -0.015 min  
Lab File: BN023019.D  
Acq: 01 Dec 2022 15:28



Tgt Ion:276 Resp: 12440  
Ion Ratio Lower Upper  
276 100  
138 33.8 24.4 36.6  
277 25.0 19.9 29.9





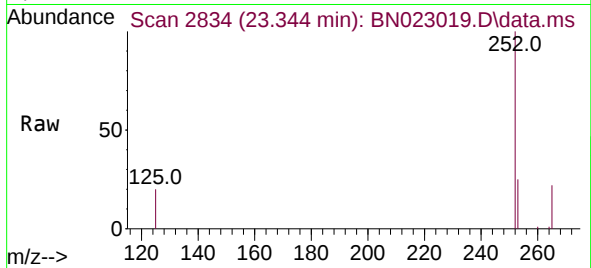
#37  
Benzo(b)fluoranthene  
Concen: 0.400 ng  
RT: 23.344 min Scan# 2844  
Delta R.T. -0.006 min  
Lab File: BN023019.D  
Acq: 01 Dec 2022 15:28

Instrument :

BNA\_N

ClientSampleId :

PB149298BS

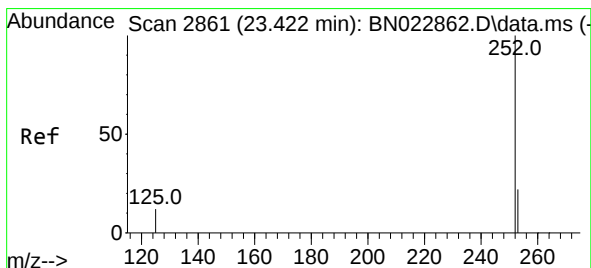
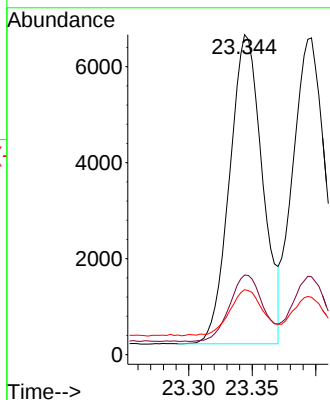
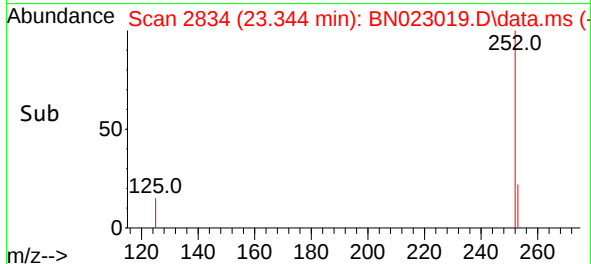


Tgt Ion:252 Resp: 11605  
Ion Ratio Lower Upper  
252 100  
253 24.9 18.5 27.7  
125 20.3 10.8 16.2

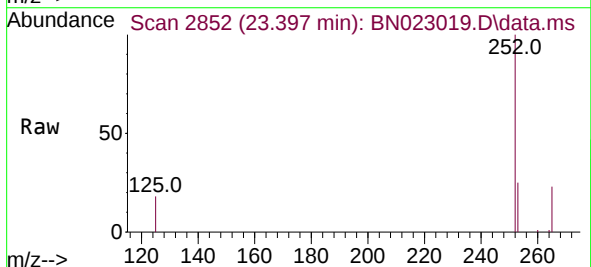
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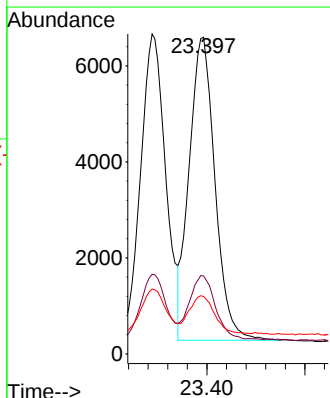
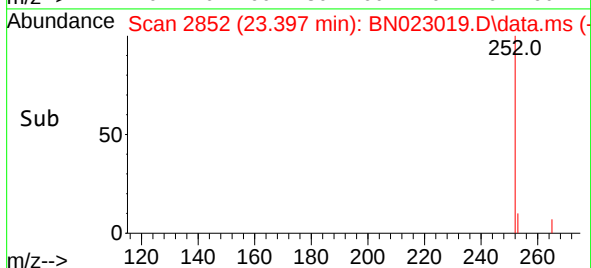
Reviewed By :Christian Giraldo 12/02/2022  
Supervised By :Jagrut Upadhyay 12/02/2022

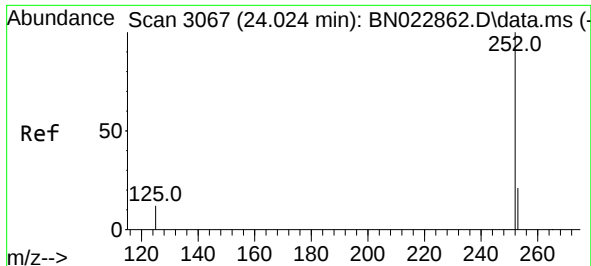


#38  
Benzo(k)fluoranthene  
Concen: 0.368 ng  
RT: 23.397 min Scan# 2852  
Delta R.T. -0.003 min  
Lab File: BN023019.D  
Acq: 01 Dec 2022 15:28



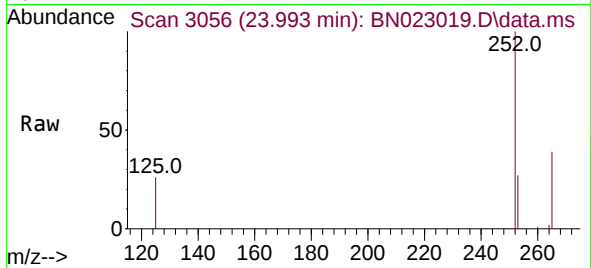
Tgt Ion:252 Resp: 11547  
Ion Ratio Lower Upper  
252 100  
253 24.6 18.6 27.8  
125 18.1 11.0 16.4





#39  
Benzo(a)pyrene  
Concen: 0.373 ng  
RT: 23.993 min Scan# 3067  
Delta R.T. -0.009 min  
Lab File: BN023019.D  
Acq: 01 Dec 2022 15:28

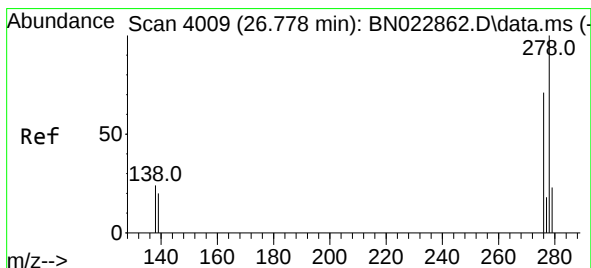
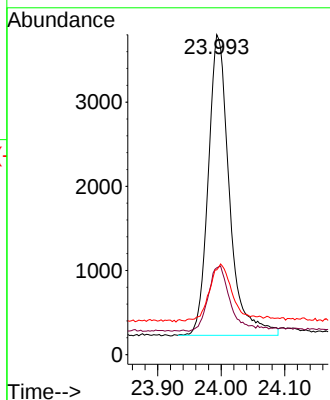
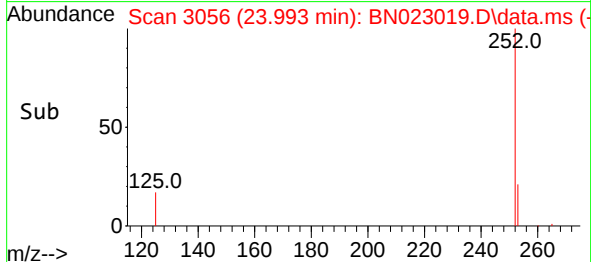
Instrument :  
BNA\_N  
ClientSampleId :  
PB149298BS



Tgt Ion:252 Resp: 8249  
Ion Ratio Lower Upper  
252 100  
253 27.1 19.2 28.8  
125 26.5 12.7 19.1

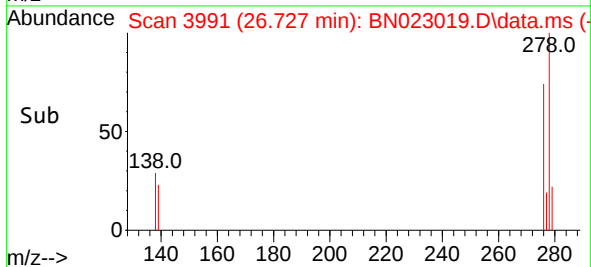
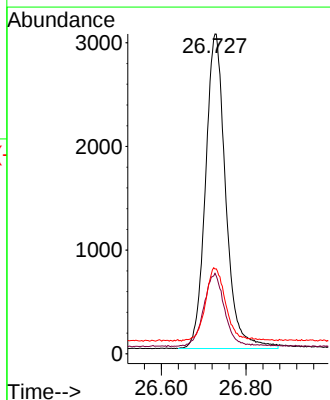
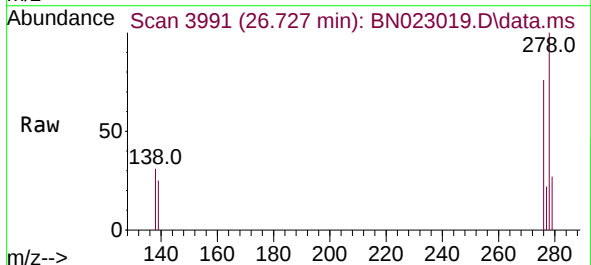
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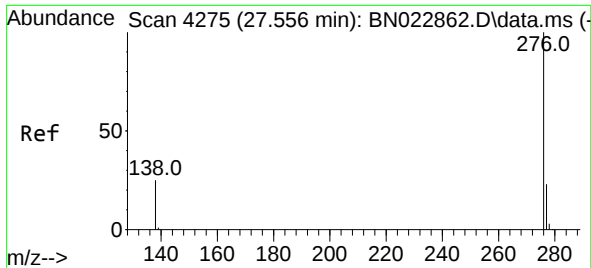
Reviewed By :Christian Giraldo 12/02/2022  
Supervised By :Jagrut Upadhyay 12/02/2022



#40  
Dibenzo(a,h)anthracene  
Concen: 0.468 ng  
RT: 26.727 min Scan# 3991  
Delta R.T. -0.012 min  
Lab File: BN023019.D  
Acq: 01 Dec 2022 15:28

Tgt Ion:278 Resp: 10016  
Ion Ratio Lower Upper  
278 100  
139 25.1 17.4 26.0  
279 26.5 20.0 30.0





#41

Benzo(g,h,i)perylene

Concen: 0.445 ng

RT: 27.501 min Scan# 41

Delta R.T. -0.012 min

Lab File: BN023019.D

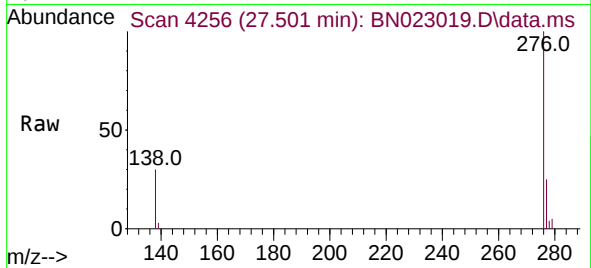
Acq: 01 Dec 2022 15:28

Instrument :

BNA\_N

ClientSampleId :

PB149298BS



Tgt Ion:276 Resp: 10258

Ion Ratio Lower Upper

276 100

277 25.2 19.7 29.5

138 30.1 21.4 32.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 12/02/2022

Supervised By :Jagrut Upadhyay 12/02/2022

