

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN091423\  
 Data File : BN027658.D  
 Acq On : 14 Sep 2023 00:24  
 Operator : MA/JU  
 Sample : PB155453BSD  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 PB155453BSD

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 09/14/2023  
 Supervised By :mohammad ahmed 09/15/2023

Quant Time: Sep 14 05:31:10 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN082923.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Sep 12 02:45:58 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.030  | 152  | 5974     | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.842 | 136  | 16013    | 0.400 | ng    | -0.01    |
| 13) Acenaphthene-d10          | 14.651 | 164  | 7261     | 0.400 | ng    | -0.01    |
| 19) Phenanthrene-d10          | 17.406 | 188  | 14556    | 0.400 | ng    | 0.00     |
| 29) Chrysene-d12              | 21.578 | 240  | 10270    | 0.400 | ng    | # 0.00   |
| 35) Perylene-d12              | 24.083 | 264  | 9069     | 0.400 | ng    | #-0.01   |
|                               |        |      |          |       |       |          |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.567  | 112  | 6582     | 0.423 | ng    | 0.00     |
| 5) Phenol-d6                  | 7.178  | 99   | 7548     | 0.399 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 9.219  | 82   | 5317     | 0.456 | ng    | -0.01    |
| 11) 2-Methylnaphthalene-d10   | 12.423 | 152  | 8300     | 0.353 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 16.152 | 330  | 824      | 0.307 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl          | 13.283 | 172  | 11852    | 0.429 | ng    | -0.01    |
| 27) Fluoranthene-d10          | 19.430 | 212  | 12289    | 0.340 | ng    | 0.00     |
| 31) Terphenyl-d14             | 20.015 | 244  | 8339     | 0.404 | ng    | 0.00     |
|                               |        |      |          |       |       |          |
| Target Compounds              |        |      |          |       |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.473  | 88   | 2882     | 0.395 | ng    | # 86     |
| 3) n-Nitrosodimethylamine     | 3.812  | 42   | 3316     | 0.429 | ng    | 88       |
| 6) bis(2-Chloroethyl)ether    | 7.467  | 93   | 7313     | 0.399 | ng    | 98       |
| 9) Naphthalene                | 10.895 | 128  | 17723    | 0.406 | ng    | 99       |
| 10) Hexachlorobutadiene       | 11.130 | 225  | 3359     | 0.412 | ng    | # 100    |
| 12) 2-Methylnaphthalene       | 12.498 | 142  | 10785    | 0.347 | ng    | 99       |
| 16) Acenaphthylene            | 14.384 | 152  | 11993    | 0.363 | ng    | 99       |
| 17) Acenaphthene              | 14.715 | 154  | 8782     | 0.398 | ng    | 98       |
| 18) Fluorene                  | 15.705 | 166  | 10919    | 0.371 | ng    | 100      |
| 20) 4,6-Dinitro-2-methylph... | 16.859 | 198  | 77       | 0.371 | ng    | 89       |
| 21) 4-Bromophenyl-phenylether | 16.586 | 248  | 3100     | 0.404 | ng    | # 77     |
| 22) Hexachlorobenzene         | 16.673 | 284  | 3559     | 0.391 | ng    | 99       |
| 23) Atrazine                  | 16.859 | 200  | 1975     | 0.344 | ng    | 99       |
| 24) Pentachlorophenol         | 17.046 | 266  | 1015     | 0.290 | ng    | 98       |
| 25) Phenanthrene              | 17.443 | 178  | 16210    | 0.379 | ng    | 99       |
| 26) Anthracene                | 17.542 | 178  | 13081    | 0.360 | ng    | 100      |
| 28) Fluoranthene              | 19.458 | 202  | 16825    | 0.334 | ng    | 100      |
| 30) Pyrene                    | 19.825 | 202  | 16869    | 0.413 | ng    | 100      |
| 32) Benzo(a)anthracene        | 21.569 | 228  | 13613    | 0.387 | ng    | 99       |
| 33) Chrysene                  | 21.623 | 228  | 15135    | 0.391 | ng    | 99       |
| 34) Bis(2-ethylhexyl)phtha... | 21.435 | 149  | 5479     | 0.323 | ng    | 99       |
| 36) Indeno(1,2,3-cd)pyrene    | 26.723 | 276  | 14543    | 0.395 | ng    | 100      |
| 37) Benzo(b)fluoranthene      | 23.309 | 252  | 13572    | 0.387 | ng    | 95       |
| 38) Benzo(k)fluoranthene      | 23.358 | 252  | 13897m   | 0.385 | ng    |          |
| 39) Benzo(a)pyrene            | 23.972 | 252  | 12131    | 0.370 | ng    | 92       |
| 40) Dibenzo(a,h)anthracene    | 26.744 | 278  | 11790    | 0.408 | ng    | 98       |
| 41) Benzo(g,h,i)perylene      | 27.542 | 276  | 13569    | 0.406 | ng    | 99       |
| -----                         |        |      |          |       |       |          |

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

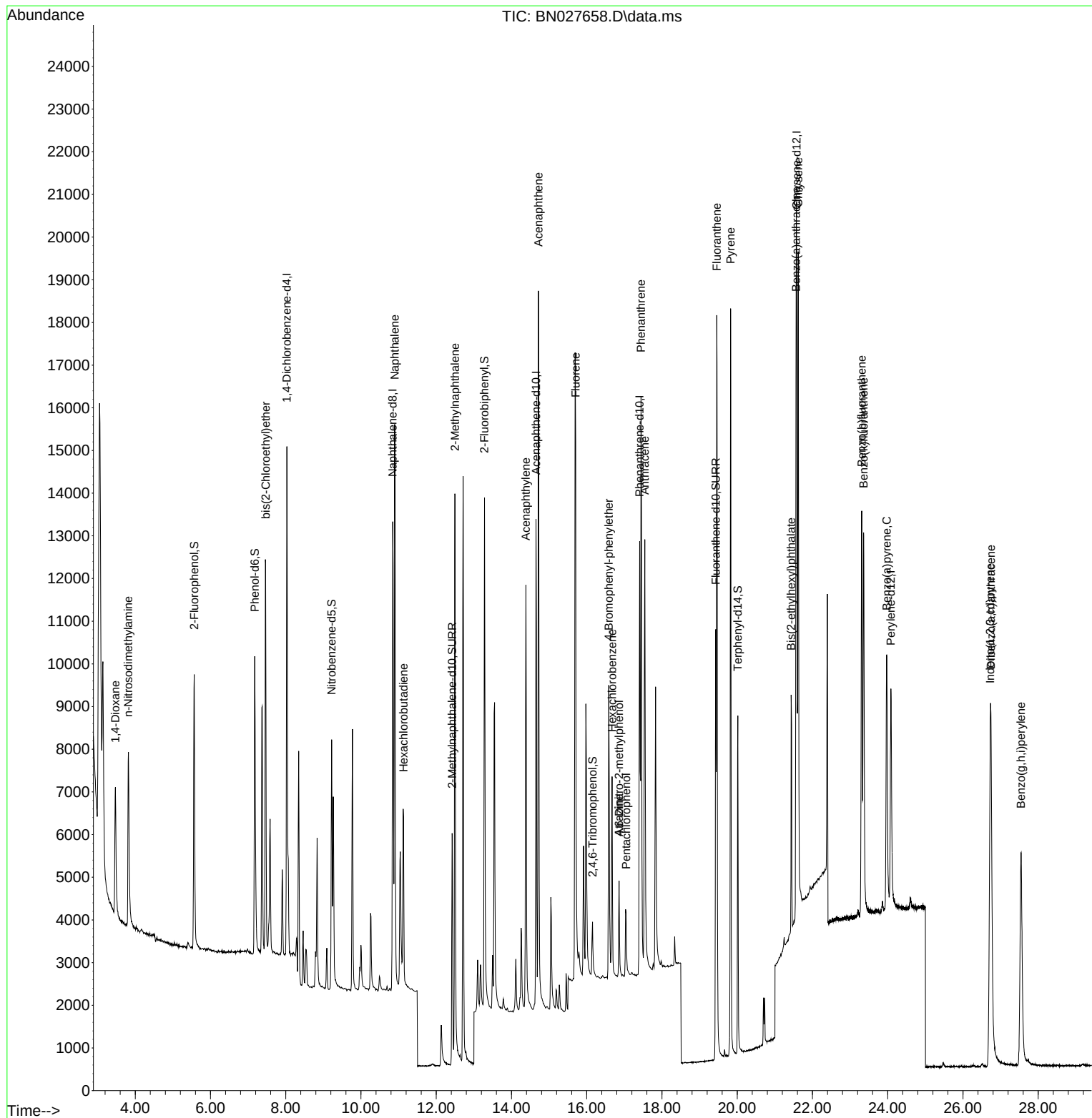
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN091423\  
 Data File : BN027658.D  
 Acq On : 14 Sep 2023 00:24  
 Operator : MA/JU  
 Sample : PB155453BSD  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

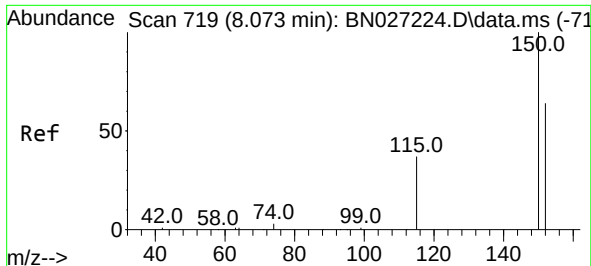
Instrument :  
 BNA\_N  
 ClientSampleId :  
 PB155453BSD

### Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/14/2023  
 Supervised By :mohammad ahmed 09/15/2023

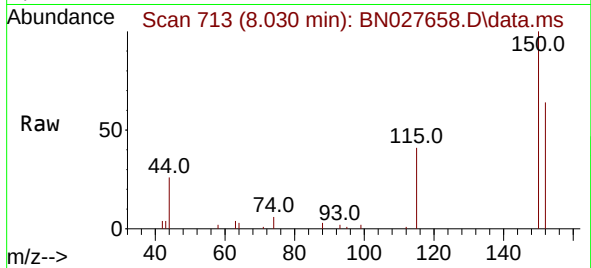
Quant Time: Sep 14 05:31:10 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN082923.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Sep 12 02:45:58 2023  
 Response via : Initial Calibration





#1  
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 8.030 min Scan# 719  
Delta R.T. -0.007 min  
Lab File: BN027658.D  
Acq: 14 Sep 2023 00:24

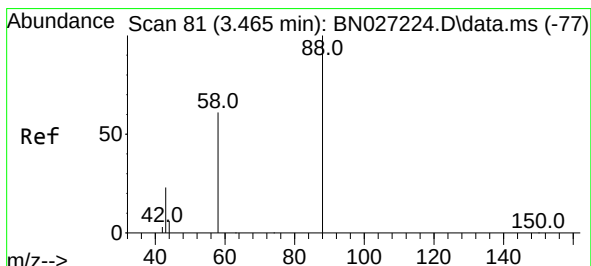
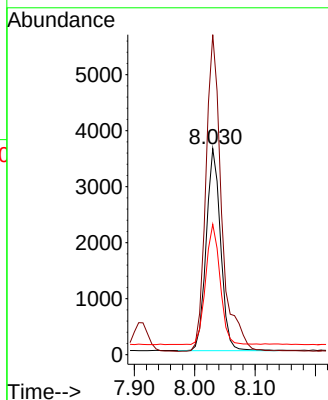
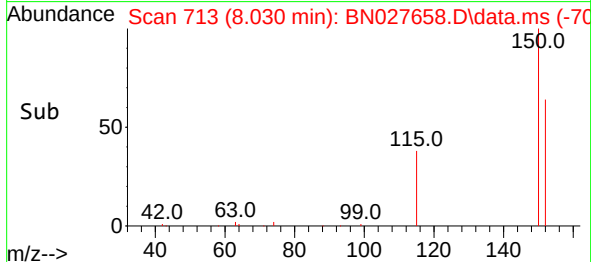
Instrument :  
BNA\_N  
ClientSampleId :  
PB155453BSD



Tgt Ion: 152 Resp: 5974  
Ion Ratio Lower Upper  
152 100  
150 155.3 122.7 184.1  
115 63.3 48.6 73.0

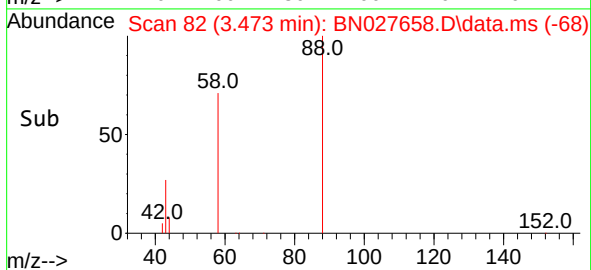
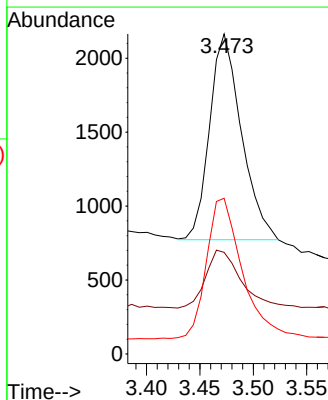
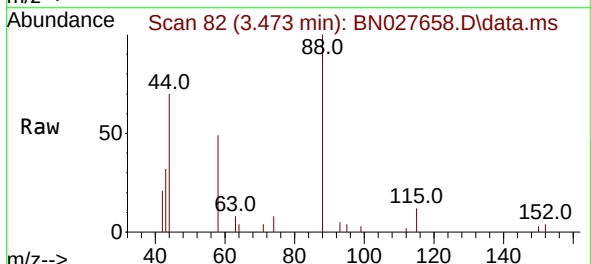
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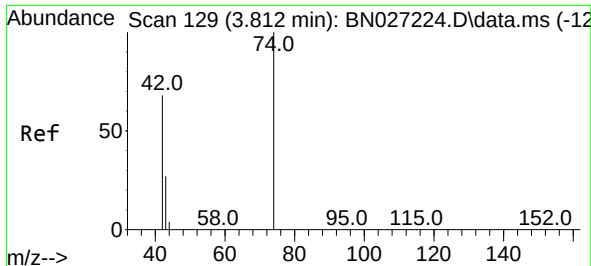
Reviewed By :Yogesh Patel 09/14/2023  
Supervised By :mohammad ahmed 09/15/2023



#2  
1,4-Dioxane  
Concen: 0.395 ng  
RT: 3.473 min Scan# 82  
Delta R.T. 0.000 min  
Lab File: BN027658.D  
Acq: 14 Sep 2023 00:24

Tgt Ion: 88 Resp: 2882  
Ion Ratio Lower Upper  
88 100  
43 31.0 19.1 28.7#  
58 75.9 52.2 78.2





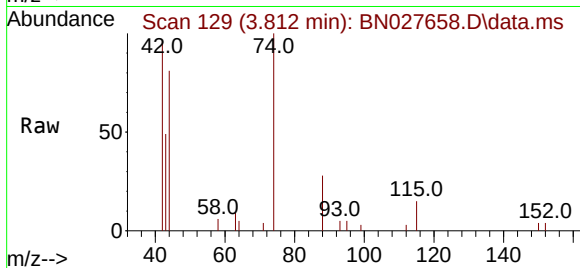
#3  
n-Nitrosodimethylamine  
Concen: 0.429 ng  
RT: 3.812 min Scan# 129  
Delta R.T. -0.007 min  
Lab File: BN027658.D  
Acq: 14 Sep 2023 00:24

Instrument :

BNA\_N

ClientSampleId :

PB155453BSD



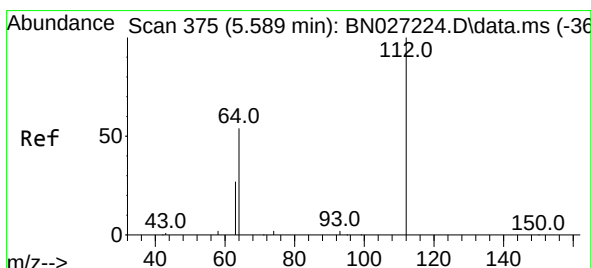
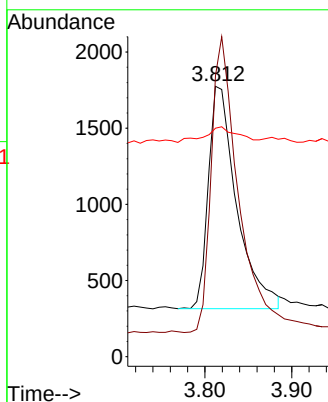
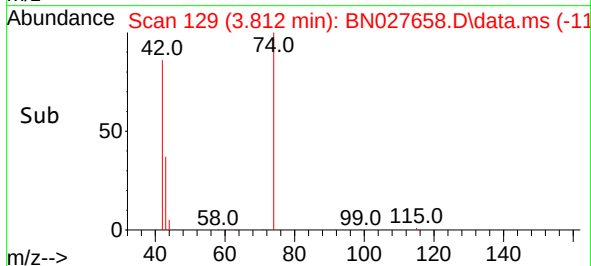
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Ion Ratio Lower Upper  
42 100  
74 127.2 113.8 170.8  
44 7.9 7.3 10.9

Manual Integrations

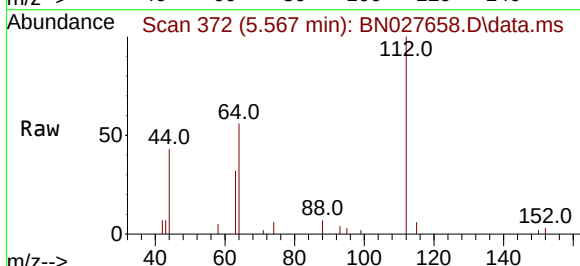
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Reviewed By :Yogesh Patel 09/14/2023

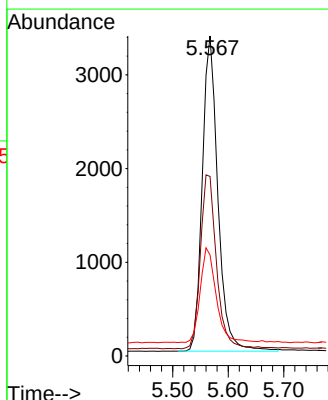
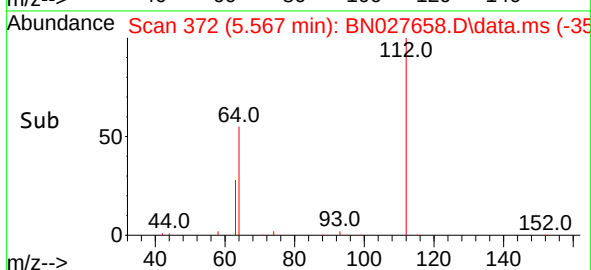
Supervised By :mohammad ahmed 09/15/2023

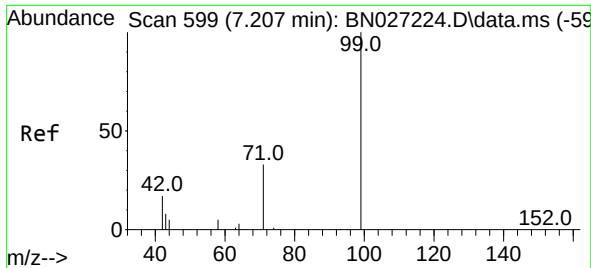


#4  
2-Fluorophenol  
Concen: 0.423 ng  
RT: 5.567 min Scan# 372  
Delta R.T. -0.007 min  
Lab File: BN027658.D  
Acq: 14 Sep 2023 00:24



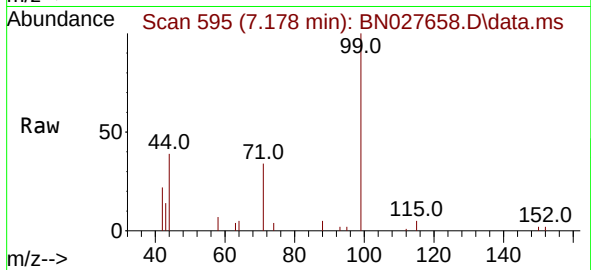
Tgt Ion:112 Resp: 6582  
Ion Ratio Lower Upper  
112 100  
64 57.2 44.4 66.6  
63 30.7 23.1 34.7





#5  
Phenol-d6  
Concen: 0.399 ng  
RT: 7.178 min Scan# 599  
Delta R.T. -0.007 min  
Lab File: BN027658.D  
Acq: 14 Sep 2023 00:24

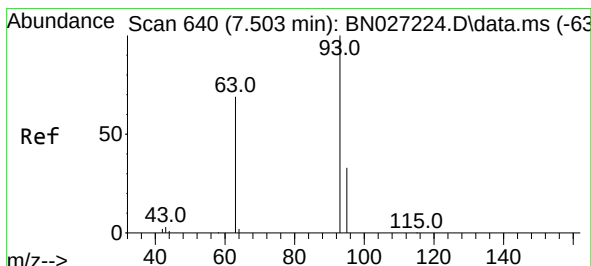
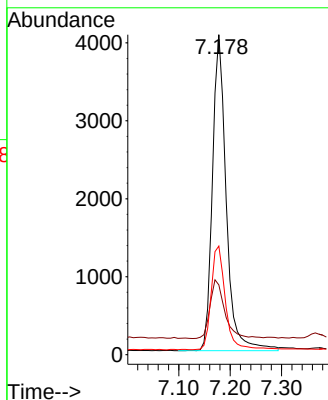
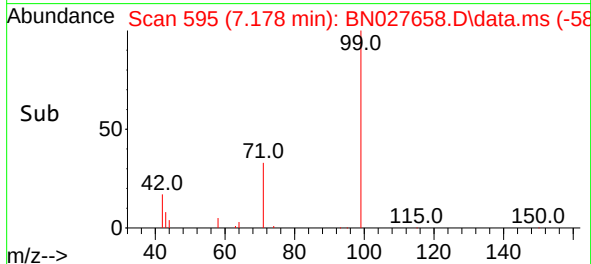
Instrument :  
BNA\_N  
ClientSampleId :  
PB155453BSD



Tgt Ion: 99 Resp: 7548  
Ion Ratio Lower Upper  
99 100  
42 19.9 14.5 21.7  
71 34.1 25.8 38.6

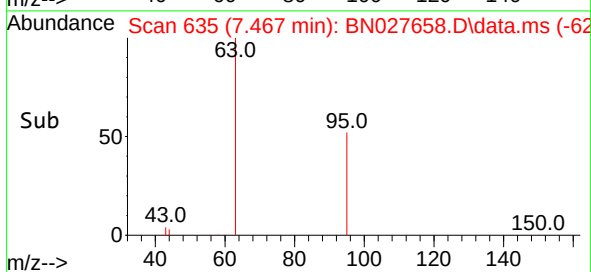
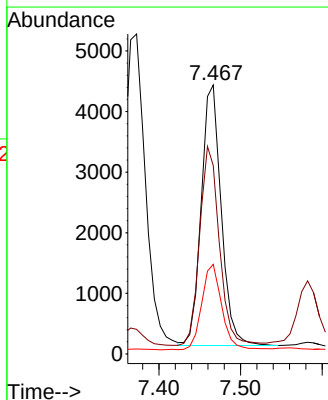
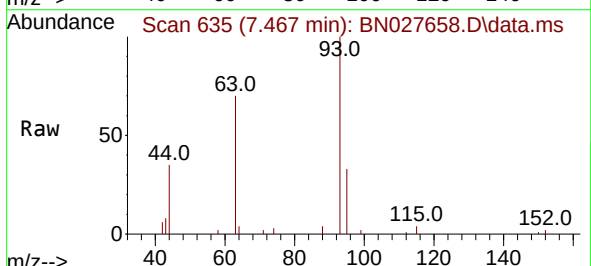
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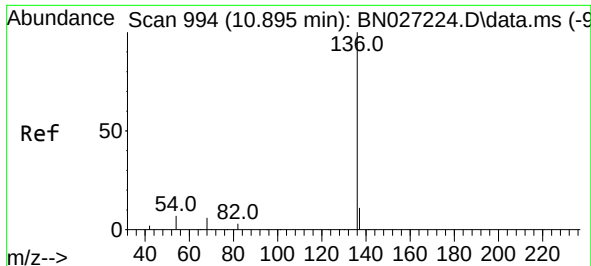
Reviewed By :Yogesh Patel 09/14/2023  
Supervised By :mohammad ahmed 09/15/2023



#6  
bis(2-Chloroethyl)ether  
Concen: 0.399 ng  
RT: 7.467 min Scan# 635  
Delta R.T. 0.000 min  
Lab File: BN027658.D  
Acq: 14 Sep 2023 00:24

Tgt Ion: 93 Resp: 7313  
Ion Ratio Lower Upper  
93 100  
63 75.4 58.5 87.7  
95 33.0 26.1 39.1





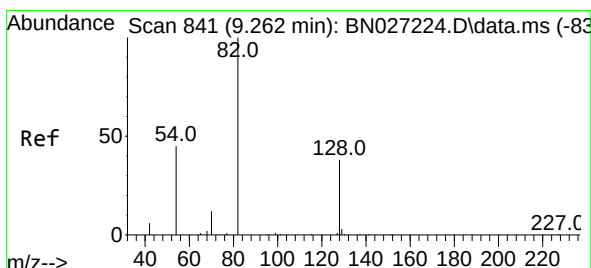
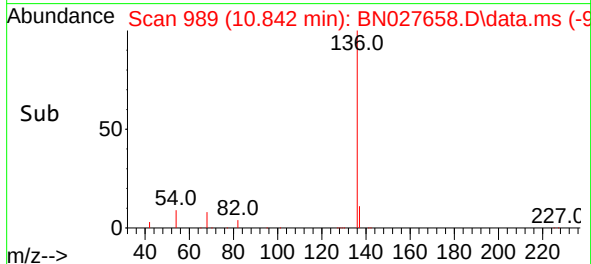
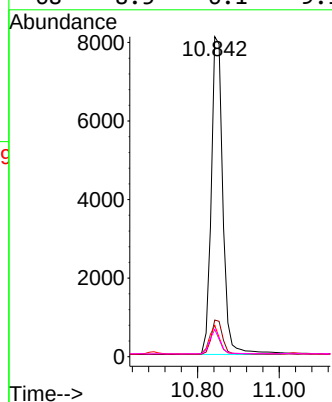
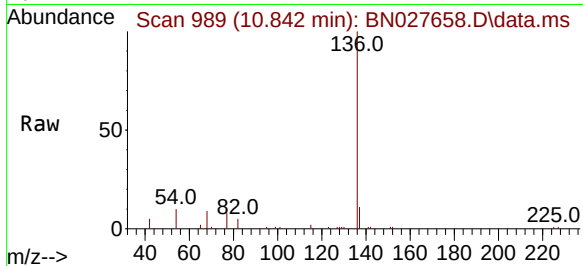
#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.842 min Scan# 91  
Delta R.T. -0.011 min  
Lab File: BN027658.D  
Acq: 14 Sep 2023 00:24

Instrument :  
BNA\_N  
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|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 136   | Resp: | 1601 |
| Ion Ratio | Lower | Upper |      |
| 136       | 100   |       |      |
| 137       | 11.5  | 9.3   | 13.9 |
| 54        | 9.8   | 6.7   | 10.1 |
| 68        | 8.5   | 6.1   | 9.1  |

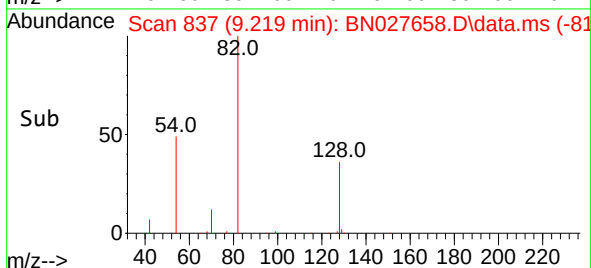
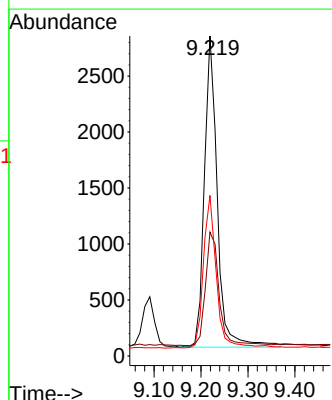
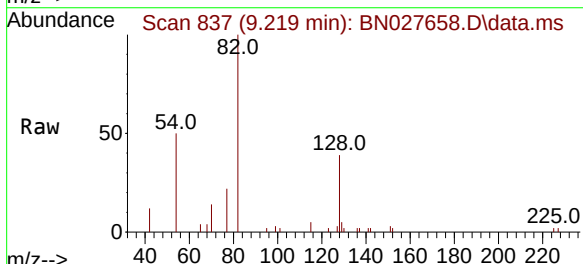
Manual Integrations  
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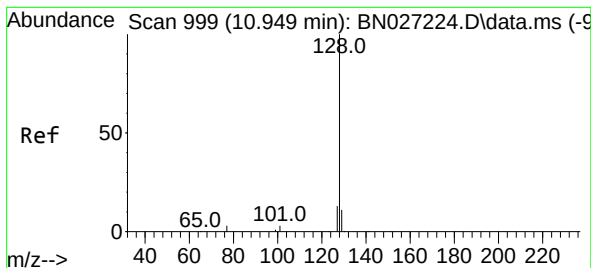
Reviewed By :Yogesh Patel 09/14/2023  
Supervised By :mohammad ahmed 09/15/2023



#8  
Nitrobenzene-d5  
Concen: 0.456 ng  
RT: 9.219 min Scan# 837  
Delta R.T. -0.011 min  
Lab File: BN027658.D  
Acq: 14 Sep 2023 00:24

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 82    | Resp: | 5317 |
| Ion Ratio | Lower | Upper |      |
| 82        | 100   |       |      |
| 128       | 38.7  | 33.4  | 50.0 |
| 54        | 50.1  | 37.7  | 56.5 |





#9

Naphthalene

Concen: 0.406 ng

RT: 10.895 min Scan# 999

Delta R.T. -0.011 min

Lab File: BN027658.D

Acq: 14 Sep 2023 00:24

Instrument :

BNA\_N

ClientSampleId :

PB155453BSD

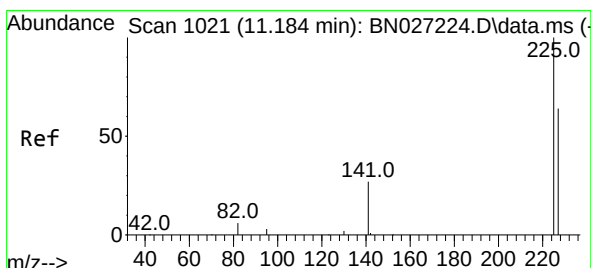
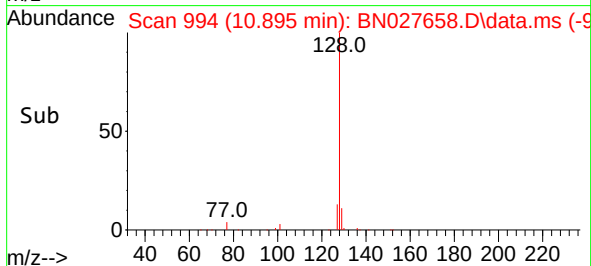
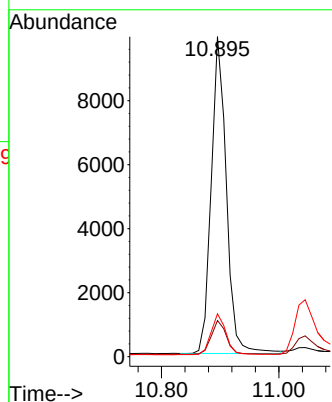
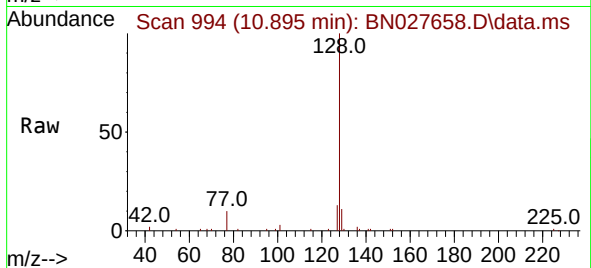
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 128   | Resp: | 1772 |
| Ion Ratio | Lower | Upper |      |
| 128       | 100   |       |      |
| 129       | 11.3  | 9.4   | 14.0 |
| 127       | 13.4  | 10.6  | 15.8 |

Manual Integrations

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Reviewed By :Yogesh Patel 09/14/2023

Supervised By :mohammad ahmed 09/15/2023



#10

Hexachlorobutadiene

Concen: 0.412 ng

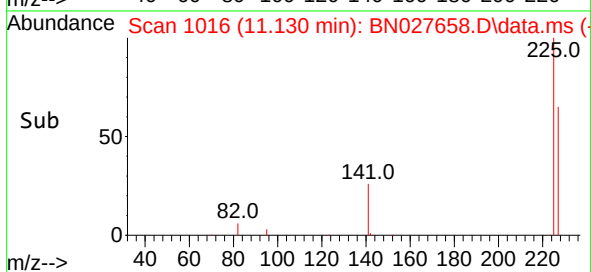
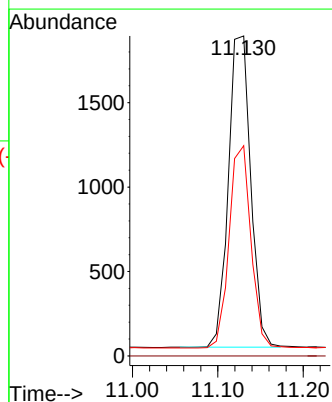
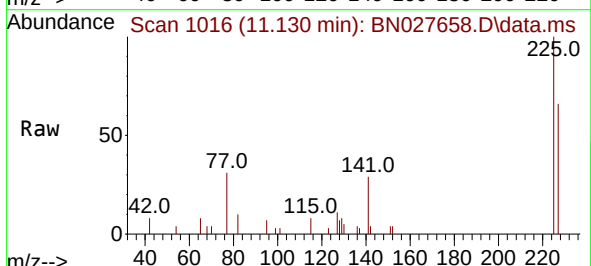
RT: 11.130 min Scan# 1016

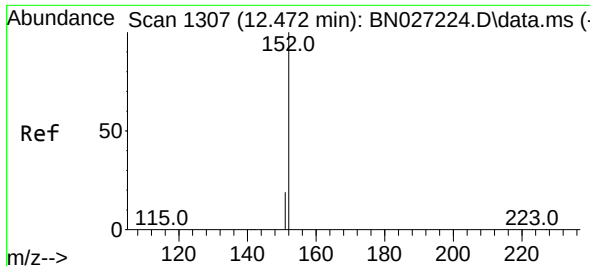
Delta R.T. 0.000 min

Lab File: BN027658.D

Acq: 14 Sep 2023 00:24

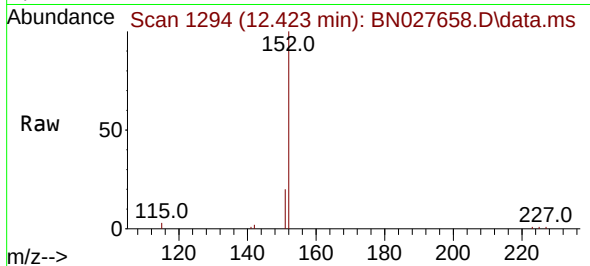
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 225   | Resp: | 3359 |
| Ion Ratio | Lower | Upper |      |
| 225       | 100   |       |      |
| 223       | 0.0   | 0.0   | 0.0  |
| 227       | 63.4  | 50.6  | 75.8 |





#11  
2-Methylnaphthalene-d10  
Concen: 0.353 ng  
RT: 12.423 min Scan# 1307  
Delta R.T. -0.008 min  
Lab File: BN027658.D  
Acq: 14 Sep 2023 00:24

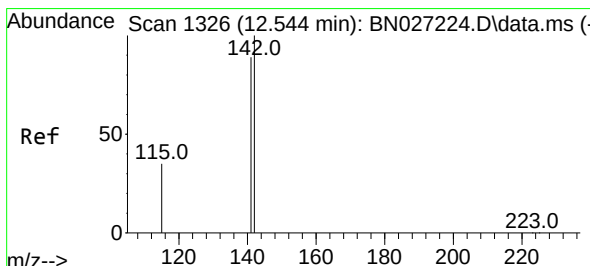
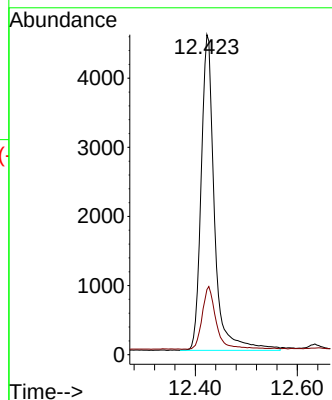
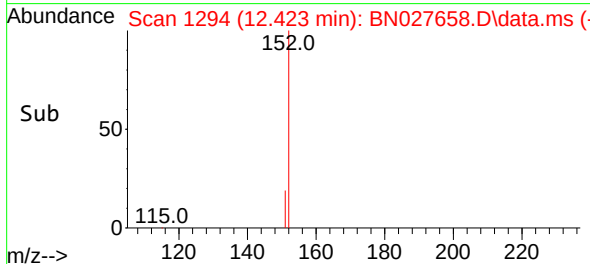
Instrument :  
BNA\_N  
ClientSampleId :  
PB155453BSD



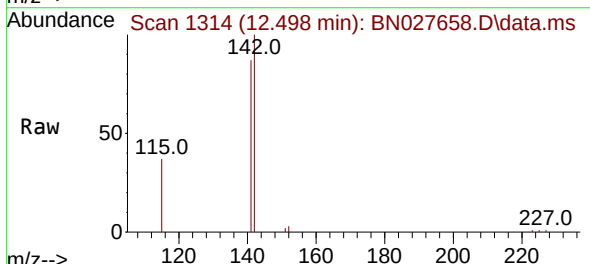
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Ion Ratio Lower Upper  
152 100  
151 20.8 16.6 25.0

Manual Integrations  
APPROVED

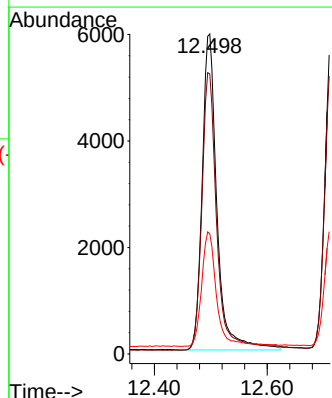
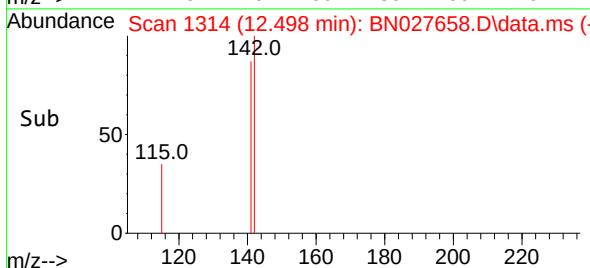
Reviewed By :Yogesh Patel 09/14/2023  
Supervised By :mohammad ahmed 09/15/2023



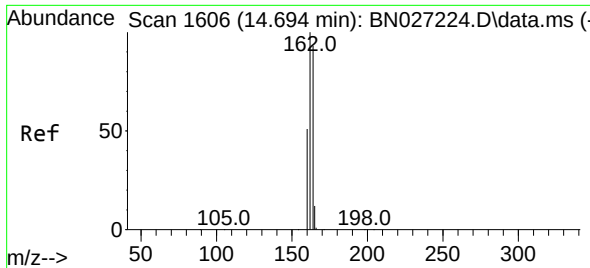
#12  
2-Methylnaphthalene  
Concen: 0.347 ng  
RT: 12.498 min Scan# 1314  
Delta R.T. -0.004 min  
Lab File: BN027658.D  
Acq: 14 Sep 2023 00:24



Tgt Ion:142 Resp: 10785  
Ion Ratio Lower Upper  
142 100  
141 87.5 71.1 106.7  
115 37.5 29.6 44.4

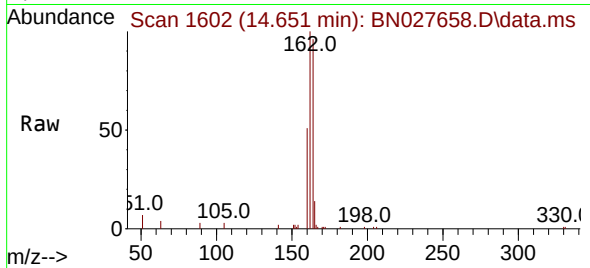






#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.651 min Scan# 1602  
Delta R.T. -0.011 min  
Lab File: BN027658.D  
Acq: 14 Sep 2023 00:24

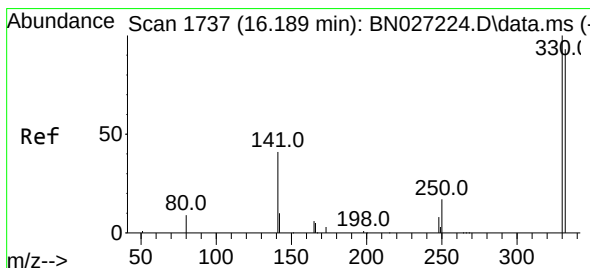
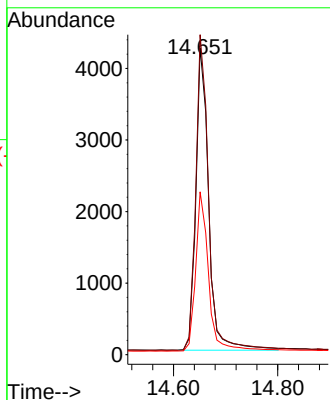
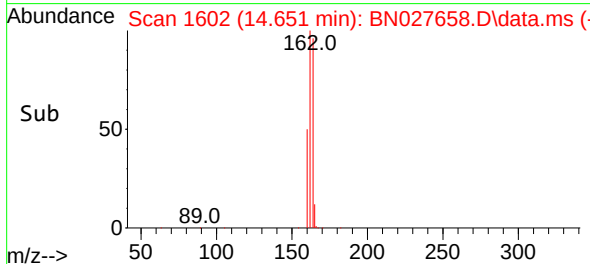
Instrument :  
BNA\_N  
ClientSampleId :  
PB155453BSD



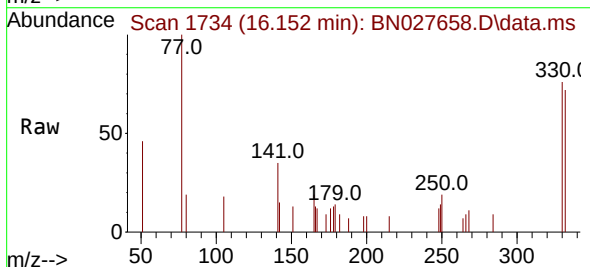
Tgt Ion:164 Resp: 726  
Ion Ratio Lower Upper  
164 100  
162 104.3 85.8 128.8  
160 53.1 44.2 66.2

Manual Integrations  
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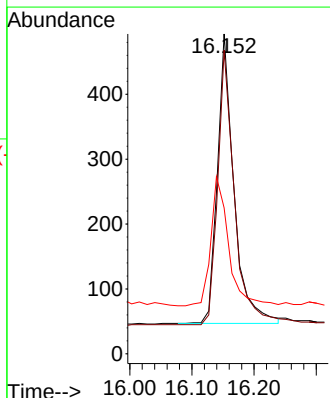
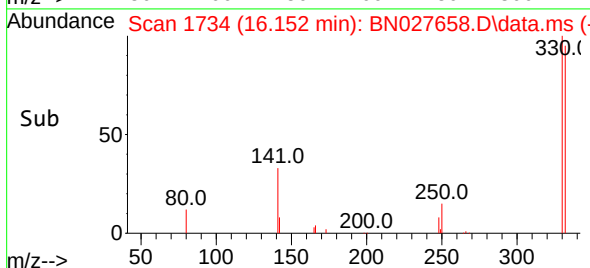
Reviewed By :Yogesh Patel 09/14/2023  
Supervised By :mohammad ahmed 09/15/2023

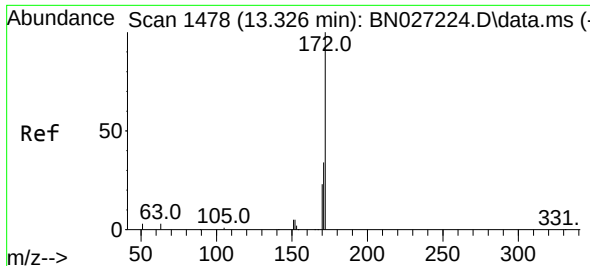


#14  
2,4,6-Tribromophenol  
Concen: 0.307 ng  
RT: 16.152 min Scan# 1734  
Delta R.T. 0.000 min  
Lab File: BN027658.D  
Acq: 14 Sep 2023 00:24



Tgt Ion:330 Resp: 824  
Ion Ratio Lower Upper  
330 100  
332 95.5 75.2 112.8  
141 47.8 36.2 54.4





#15  
2-Fluorobiphenyl  
Concen: 0.429 ng  
RT: 13.283 min Scan# 1478  
Delta R.T. -0.011 min  
Lab File: BN027658.D  
Acq: 14 Sep 2023 00:24

Instrument :

BNA\_N

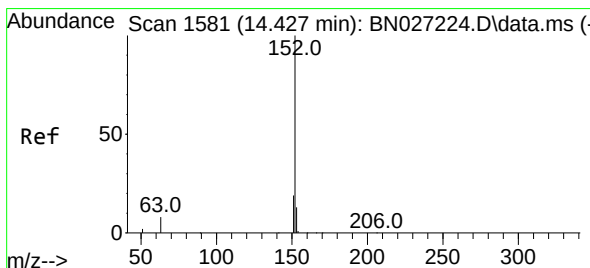
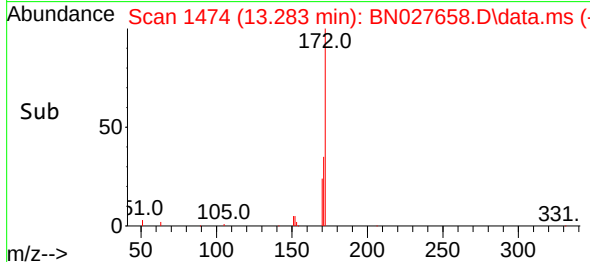
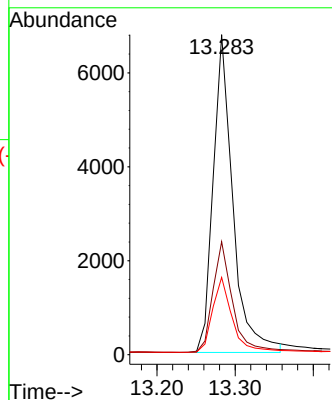
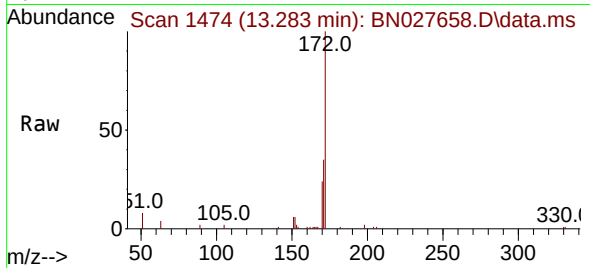
ClientSampleId :

PB155453BSD

Tgt Ion:172 Resp: 11852  
Ion Ratio Lower Upper  
172 100  
171 35.3 27.8 41.8  
170 24.2 19.3 28.9

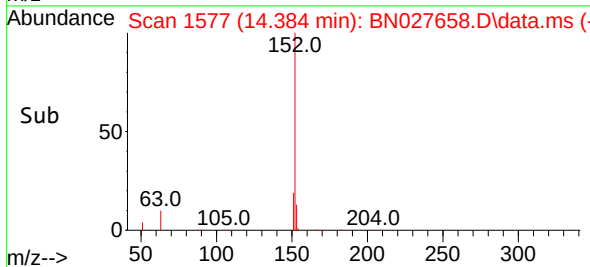
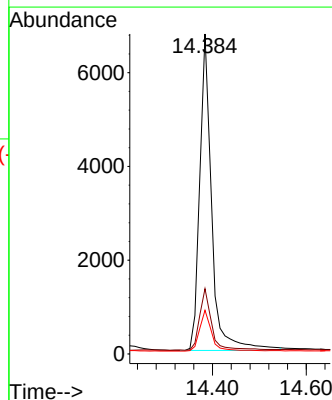
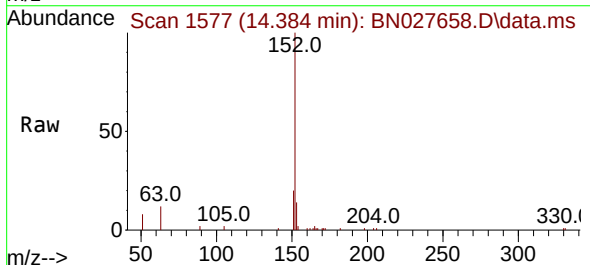
Manual Integrations  
APPROVED

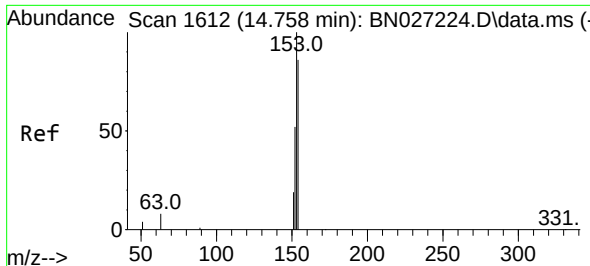
Reviewed By :Yogesh Patel 09/14/2023  
Supervised By :mohammad ahmed 09/15/2023



#16  
Acenaphthylene  
Concen: 0.363 ng  
RT: 14.384 min Scan# 1577  
Delta R.T. -0.011 min  
Lab File: BN027658.D  
Acq: 14 Sep 2023 00:24

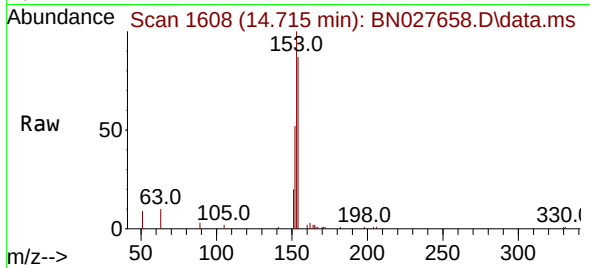
Tgt Ion:152 Resp: 11993  
Ion Ratio Lower Upper  
152 100  
151 19.8 15.5 23.3  
153 13.0 10.3 15.5





#17  
Acenaphthene  
Concen: 0.398 ng  
RT: 14.715 min Scan# 1608  
Delta R.T. -0.011 min  
Lab File: BN027658.D  
Acq: 14 Sep 2023 00:24

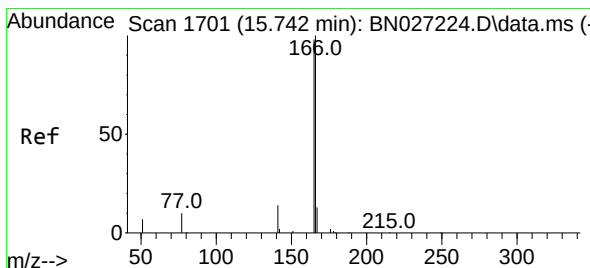
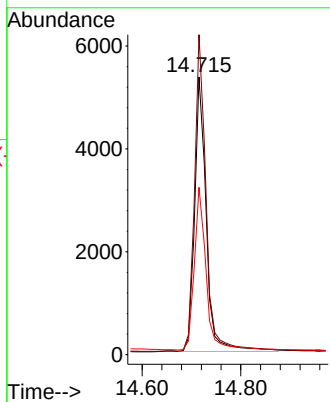
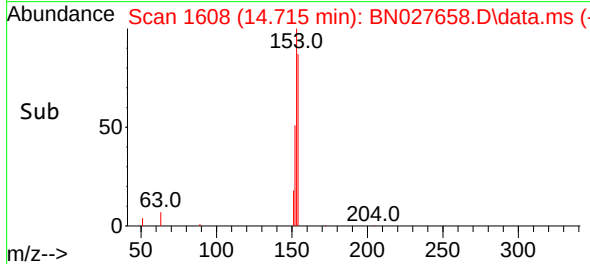
Instrument :  
BNA\_N  
ClientSampleId :  
PB155453BSD



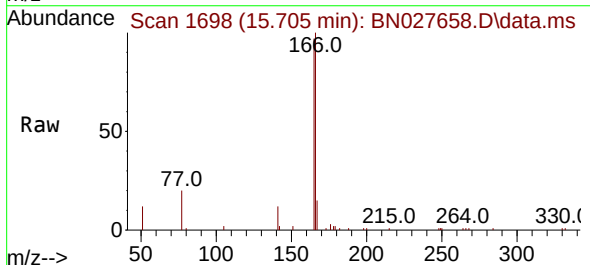
Tgt Ion:154 Resp: 878  
Ion Ratio Lower Upper  
154 100  
153 114.0 93.1 139.7  
152 59.8 48.6 73.0

Manual Integrations  
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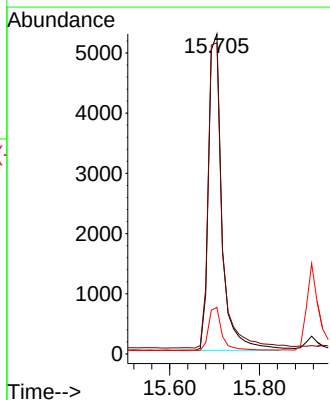
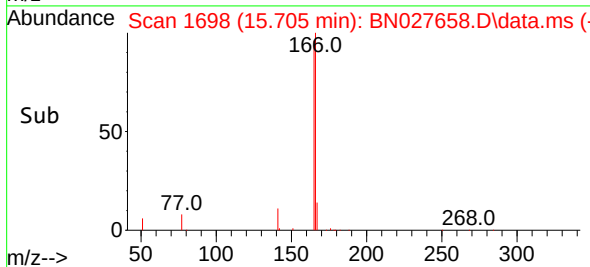
Reviewed By :Yogesh Patel 09/14/2023  
Supervised By :mohammad ahmed 09/15/2023

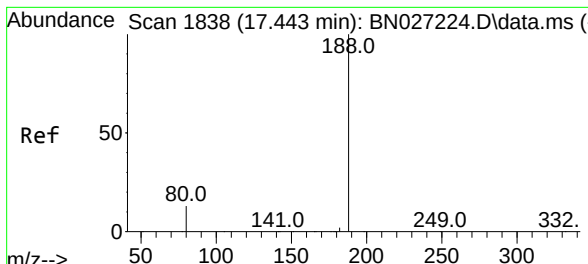


#18  
Fluorene  
Concen: 0.371 ng  
RT: 15.705 min Scan# 1698  
Delta R.T. 0.000 min  
Lab File: BN027658.D  
Acq: 14 Sep 2023 00:24



Tgt Ion:166 Resp: 10919  
Ion Ratio Lower Upper  
166 100  
165 99.1 79.0 118.4  
167 13.8 10.8 16.2





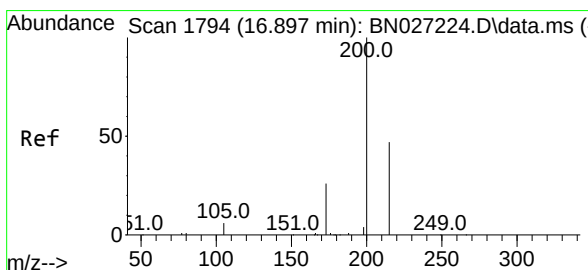
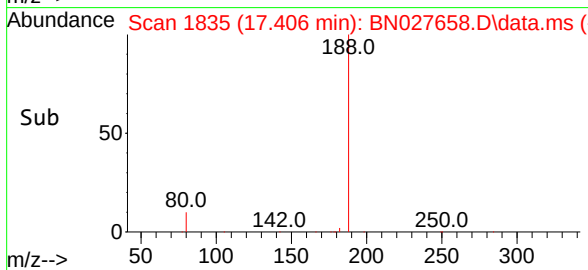
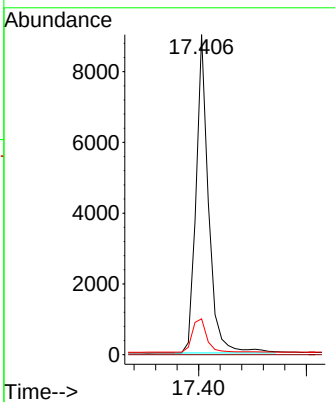
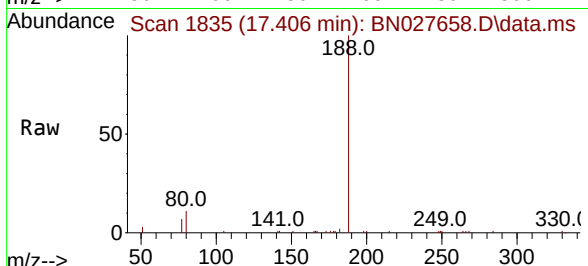
#19  
 Phenanthrene-d10  
 Concen: 0.400 ng  
 RT: 17.406 min Scan# 1835  
 Delta R.T. 0.000 min  
 Lab File: BN027658.D  
 Acq: 14 Sep 2023 00:24

Instrument : BNA\_N  
 ClientSampleId : PB155453BSD

|             |       |       |
|-------------|-------|-------|
| Tgt Ion:188 | Resp: | 1455  |
| Ion Ratio   | Lower | Upper |
| 188         | 100   |       |
| 94          | 0.0   | 0.0   |
| 80          | 11.2  | 11.0  |

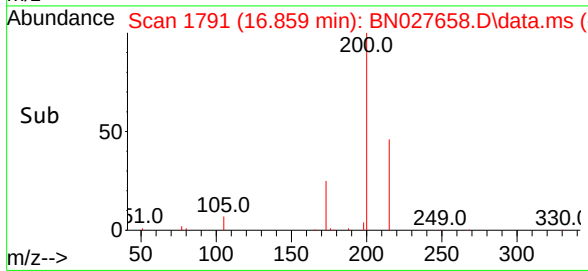
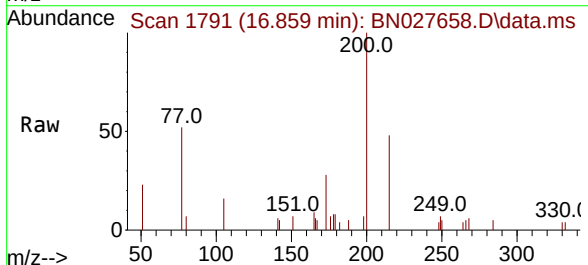
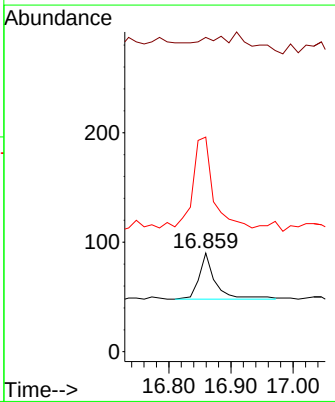
Manual Integrations  
 APPROVED

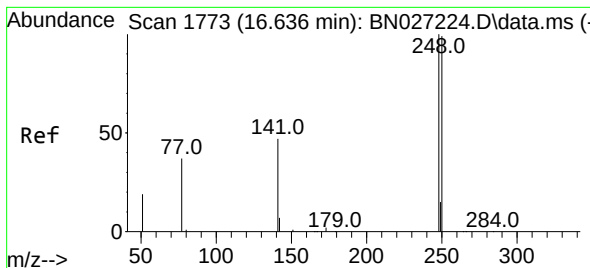
Reviewed By :Yogesh Patel 09/14/2023  
 Supervised By :mohammad ahmed 09/15/2023



#20  
 4,6-Dinitro-2-methylphenol  
 Concen: 0.371 ng  
 RT: 16.859 min Scan# 1791  
 Delta R.T. 0.000 min  
 Lab File: BN027658.D  
 Acq: 14 Sep 2023 00:24

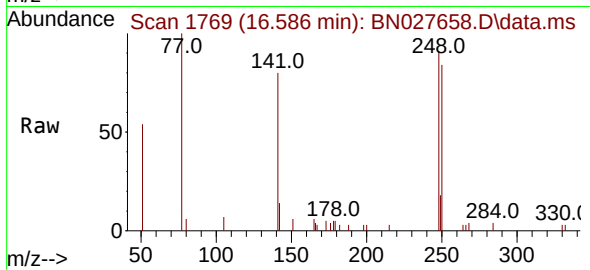
|             |       |       |
|-------------|-------|-------|
| Tgt Ion:198 | Resp: | 77    |
| Ion Ratio   | Lower | Upper |
| 198         | 100   |       |
| 51          | 318.9 | 282.2 |
| 105         | 217.8 | 168.7 |





#21  
4-Bromophenyl-phenylether  
Concen: 0.404 ng  
RT: 16.586 min Scan# 1769  
Delta R.T. -0.012 min  
Lab File: BN027658.D  
Acq: 14 Sep 2023 00:24

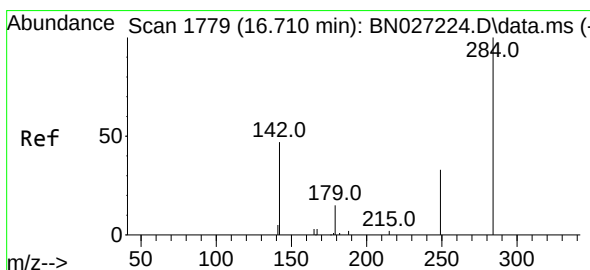
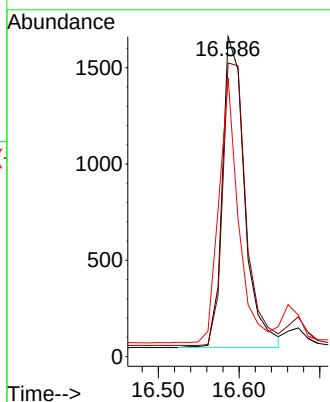
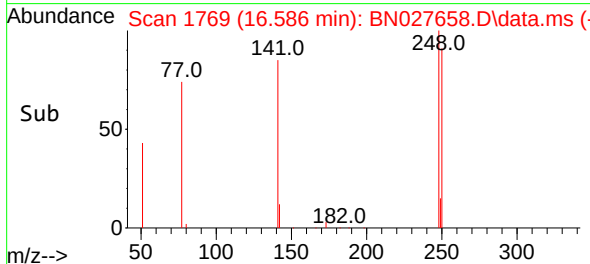
Instrument :  
BNA\_N  
ClientSampleId :  
PB155453BSD



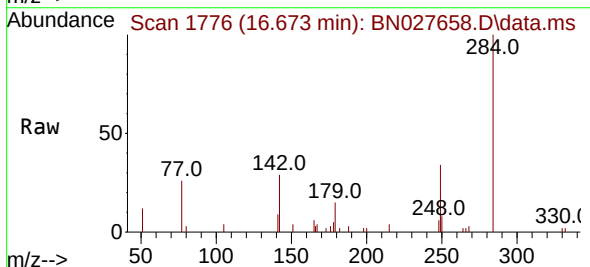
Tgt Ion:248 Resp: 3100  
Ion Ratio Lower Upper  
248 100  
250 91.8 79.7 119.5  
141 87.1 39.8 59.8

Manual Integrations  
APPROVED

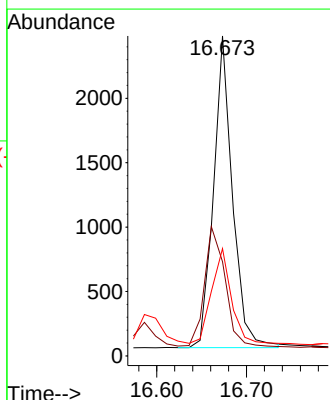
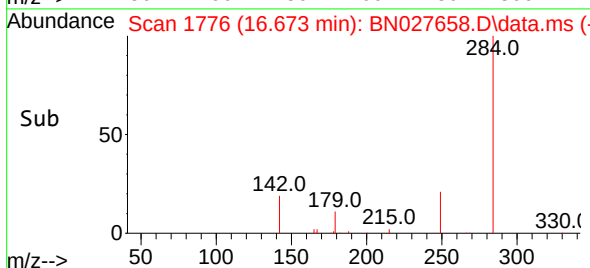
Reviewed By :Yogesh Patel 09/14/2023  
Supervised By :mohammad ahmed 09/15/2023

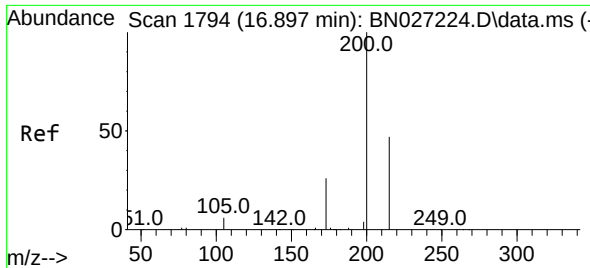


#22  
Hexachlorobenzene  
Concen: 0.391 ng  
RT: 16.673 min Scan# 1776  
Delta R.T. -0.012 min  
Lab File: BN027658.D  
Acq: 14 Sep 2023 00:24



Tgt Ion:284 Resp: 3559  
Ion Ratio Lower Upper  
284 100  
142 41.3 32.9 49.3  
249 31.2 24.3 36.5





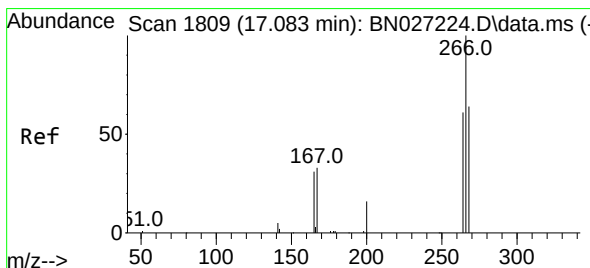
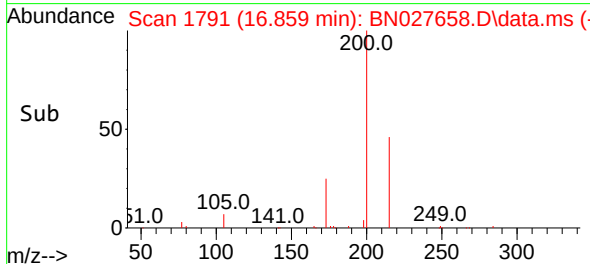
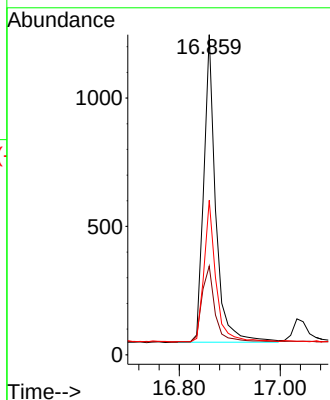
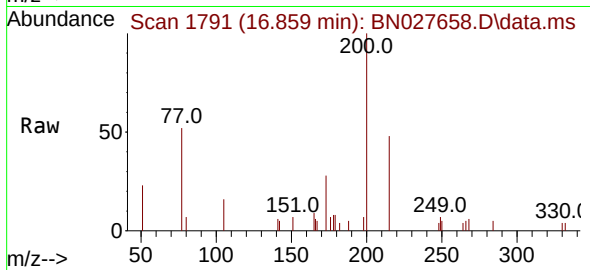
#23  
Atrazine  
Concen: 0.344 ng  
RT: 16.859 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BN027658.D  
Acq: 14 Sep 2023 00:24

Instrument :  
BNA\_N  
ClientSampleId :  
PB155453BSD

Tgt Ion:200 Resp: 197  
Ion Ratio Lower Upper  
200 100  
173 27.7 22.5 33.7  
215 48.3 39.0 58.6

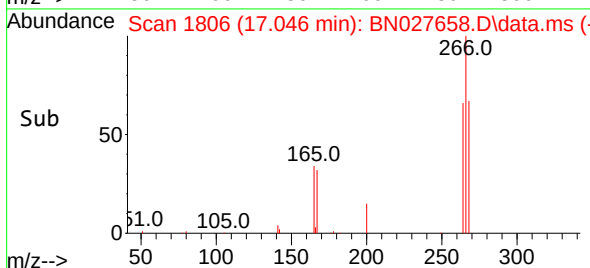
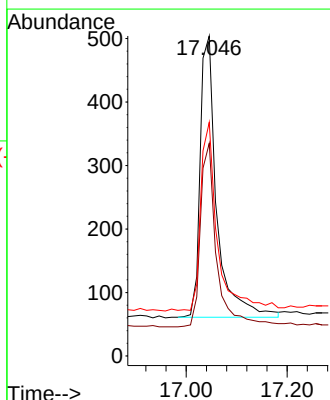
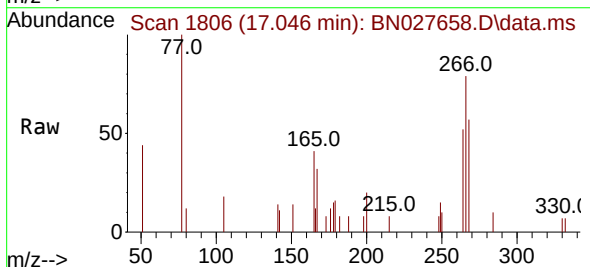
Manual Integrations  
APPROVED

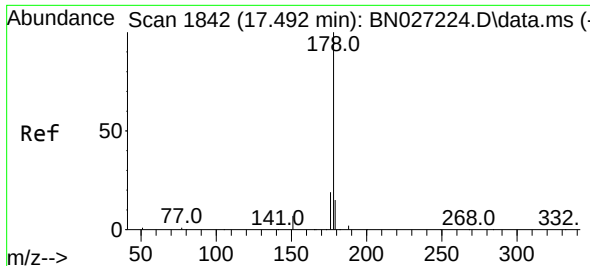
Reviewed By :Yogesh Patel 09/14/2023  
Supervised By :mohammad ahmed 09/15/2023



#24  
Pentachlorophenol  
Concen: 0.290 ng  
RT: 17.046 min Scan# 1806  
Delta R.T. 0.000 min  
Lab File: BN027658.D  
Acq: 14 Sep 2023 00:24

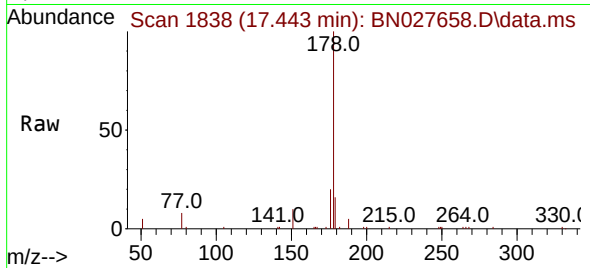
Tgt Ion:266 Resp: 1015  
Ion Ratio Lower Upper  
266 100  
264 63.8 50.3 75.5  
268 67.4 52.0 78.0





#25  
Phenanthrene  
Concen: 0.379 ng  
RT: 17.443 min Scan# 1838  
Delta R.T. -0.012 min  
Lab File: BN027658.D  
Acq: 14 Sep 2023 00:24

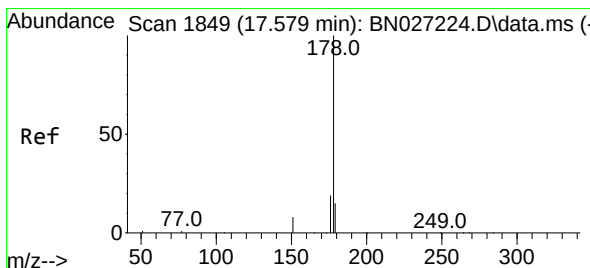
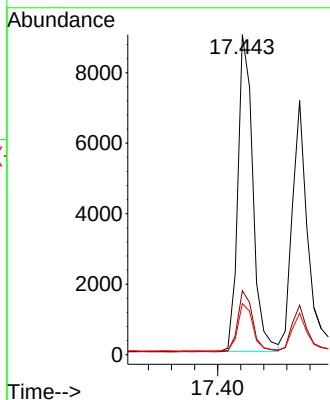
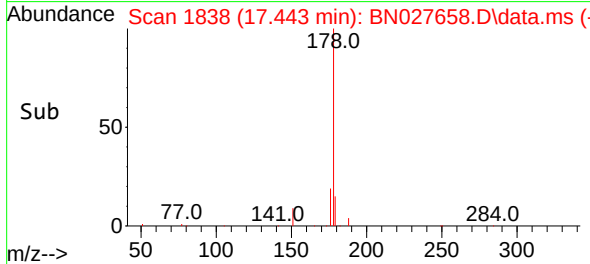
Instrument :  
BNA\_N  
ClientSampleId :  
PB155453BSD



Tgt Ion:178 Resp: 16210  
Ion Ratio Lower Upper  
178 100  
176 19.3 15.6 23.4  
179 15.1 12.3 18.5

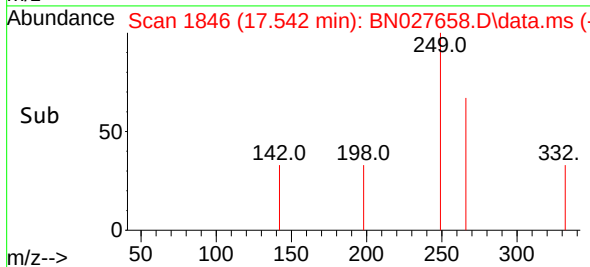
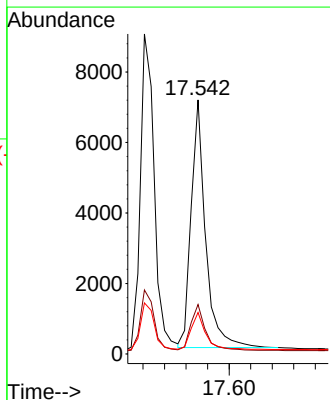
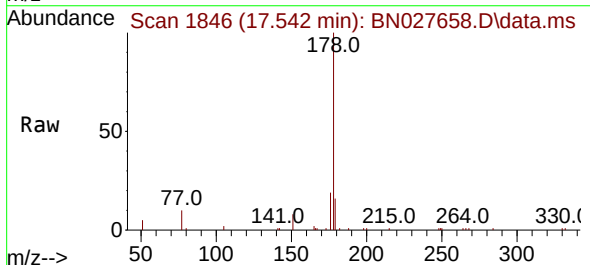
Manual Integrations  
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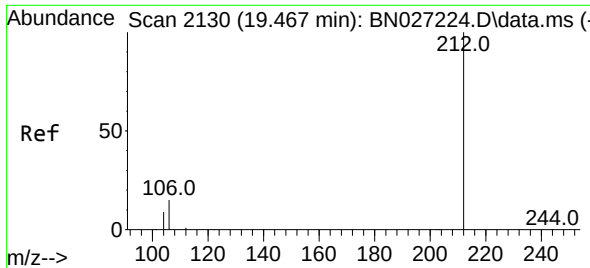
Reviewed By :Yogesh Patel 09/14/2023  
Supervised By :mohammad ahmed 09/15/2023



#26  
Anthracene  
Concen: 0.360 ng  
RT: 17.542 min Scan# 1846  
Delta R.T. 0.000 min  
Lab File: BN027658.D  
Acq: 14 Sep 2023 00:24

Tgt Ion:178 Resp: 13081  
Ion Ratio Lower Upper  
178 100  
176 18.7 14.9 22.3  
179 15.1 12.0 18.0





#27  
Fluoranthene-d10  
Concen: 0.340 ng  
RT: 19.430 min Scan# 2128  
Delta R.T. -0.005 min  
Lab File: BN027658.D  
Acq: 14 Sep 2023 00:24

Instrument :

BNA\_N

ClientSampleId :

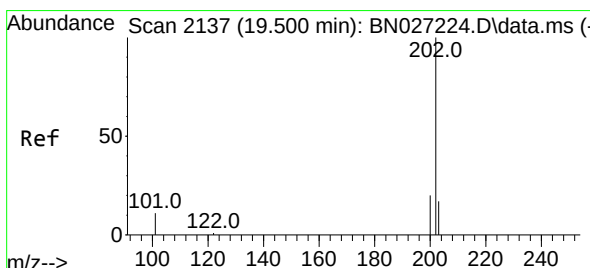
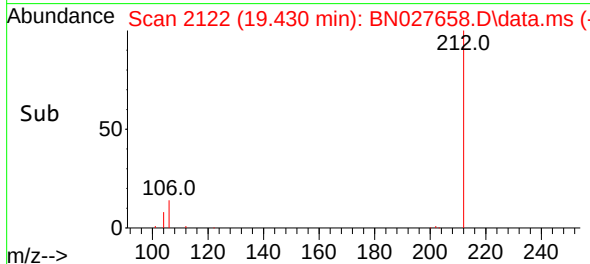
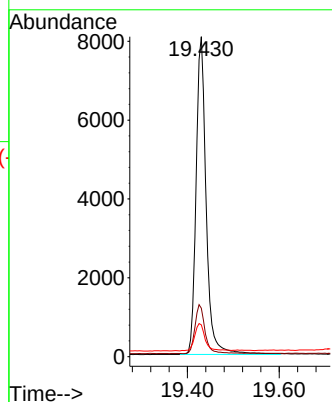
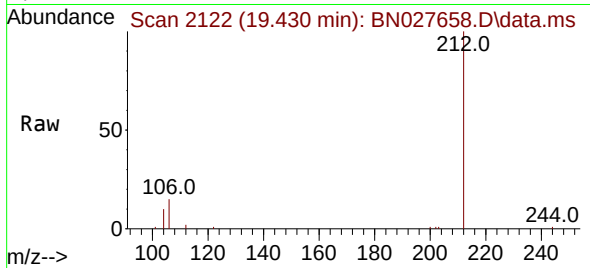
PB155453BSD

Tgt Ion:212 Resp: 12289  
Ion Ratio Lower Upper  
212 100  
106 15.5 12.1 18.1  
104 9.0 6.9 10.3

Manual Integrations

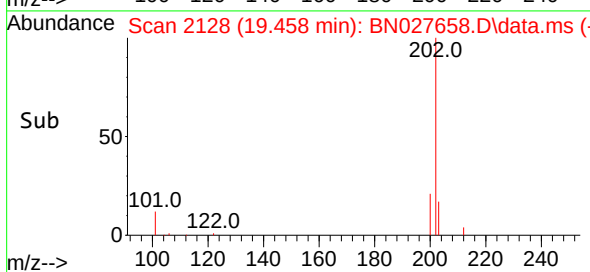
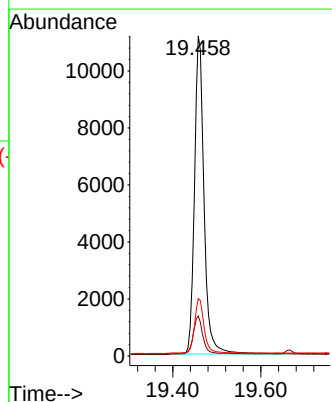
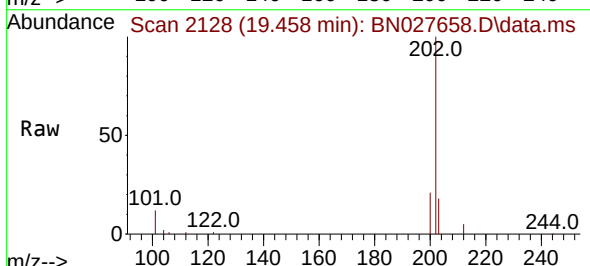
APPROVED

Reviewed By :Yogesh Patel 09/14/2023  
Supervised By :mohammad ahmed 09/15/2023

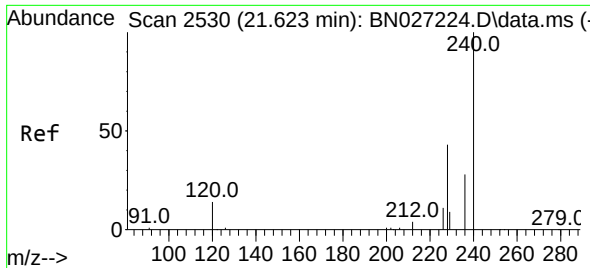


#28  
Fluoranthene  
Concen: 0.334 ng  
RT: 19.458 min Scan# 2128  
Delta R.T. -0.009 min  
Lab File: BN027658.D  
Acq: 14 Sep 2023 00:24

Tgt Ion:202 Resp: 16825  
Ion Ratio Lower Upper  
202 100  
101 12.1 9.6 14.4  
203 17.1 13.6 20.4

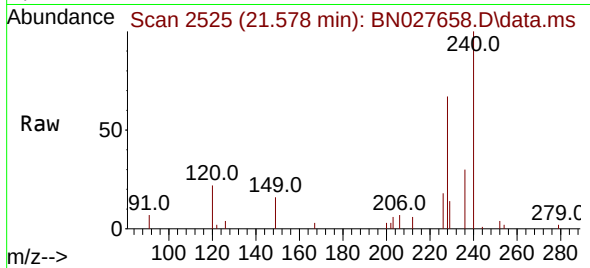






#29  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.578 min Scan# 2157  
Delta R.T. -0.009 min  
Lab File: BN027658.D  
Acq: 14 Sep 2023 00:24

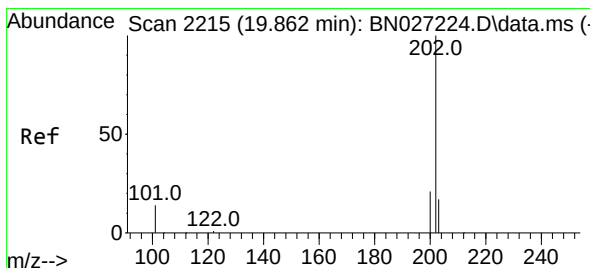
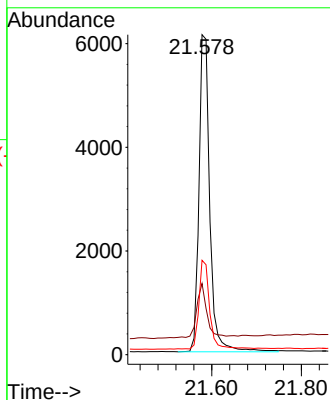
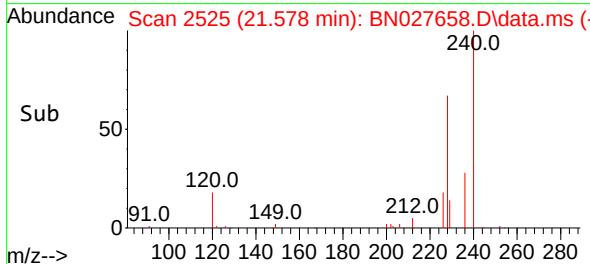
Instrument :  
BNA\_N  
ClientSampleId :  
PB155453BSD



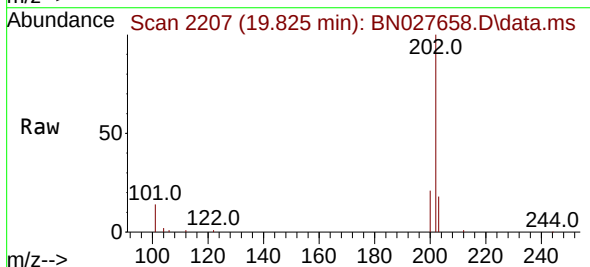
Tgt Ion:240 Resp: 10270  
Ion Ratio Lower Upper  
240 100  
120 22.3 14.2 21.4  
236 29.5 22.9 34.3

Manual Integrations  
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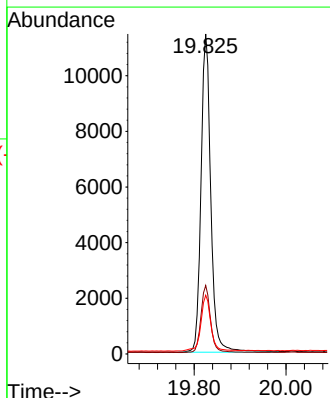
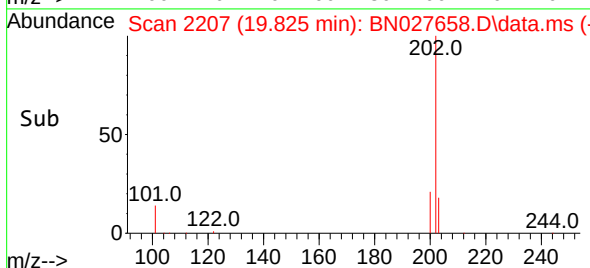
Reviewed By :Yogesh Patel 09/14/2023  
Supervised By :mohammad ahmed 09/15/2023

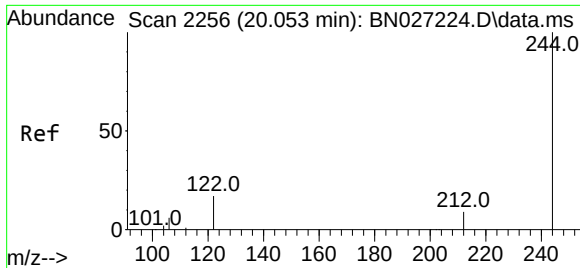


#30  
Pyrene  
Concen: 0.413 ng  
RT: 19.825 min Scan# 2207  
Delta R.T. -0.005 min  
Lab File: BN027658.D  
Acq: 14 Sep 2023 00:24



Tgt Ion:202 Resp: 16869  
Ion Ratio Lower Upper  
202 100  
200 20.7 16.6 25.0  
203 17.9 14.2 21.4





#31  
 Terphenyl-d14  
 Concen: 0.404 ng  
 RT: 20.015 min Scan# 21  
 Delta R.T. -0.005 min  
 Lab File: BN027658.D  
 Acq: 14 Sep 2023 00:24

Instrument :

BNA\_N

ClientSampleId :

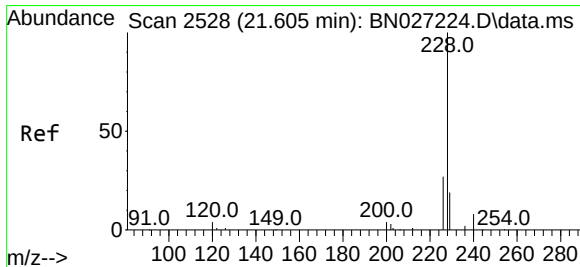
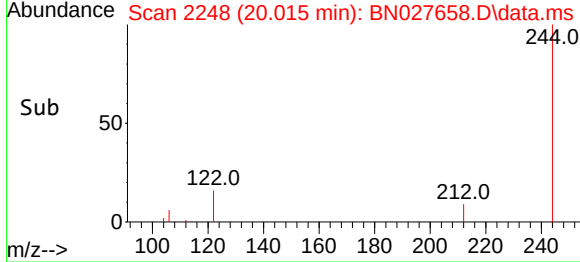
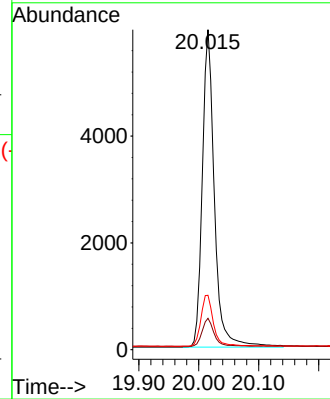
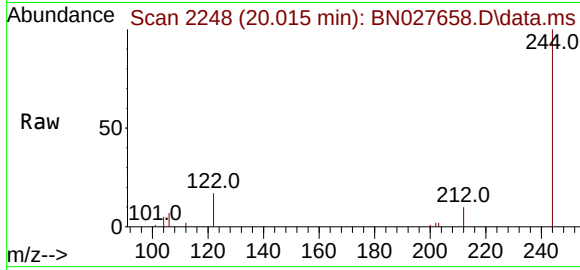
PB155453BSD

Tgt Ion:244 Resp: 8339  
 Ion Ratio Lower Upper  
 244 100  
 212 9.8 7.5 11.3  
 122 17.0 14.0 21.0

Manual Integrations

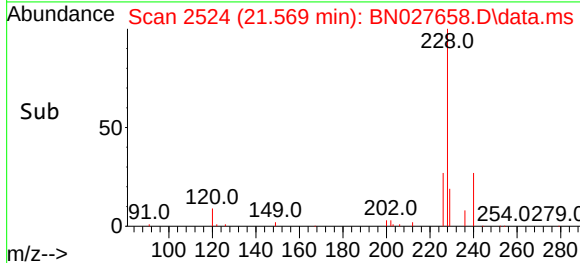
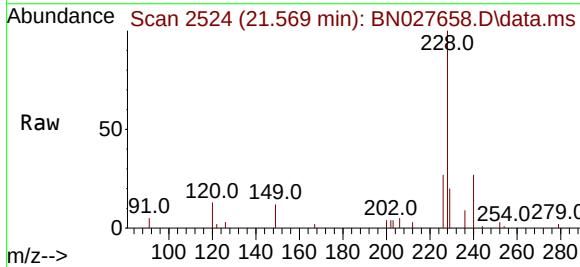
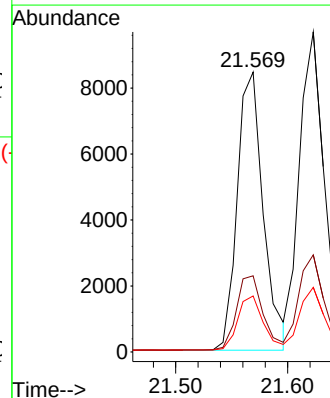
APPROVED

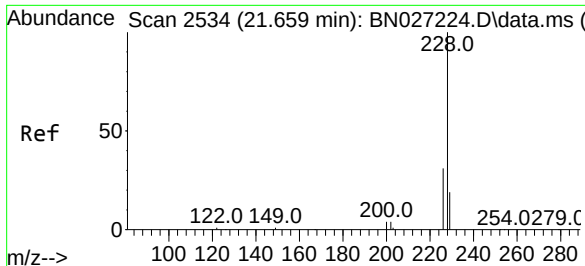
Reviewed By :Yogesh Patel 09/14/2023  
 Supervised By :mohammad ahmed 09/15/2023



#32  
 Benzo(a)anthracene  
 Concen: 0.387 ng  
 RT: 21.569 min Scan# 2524  
 Delta R.T. 0.000 min  
 Lab File: BN027658.D  
 Acq: 14 Sep 2023 00:24

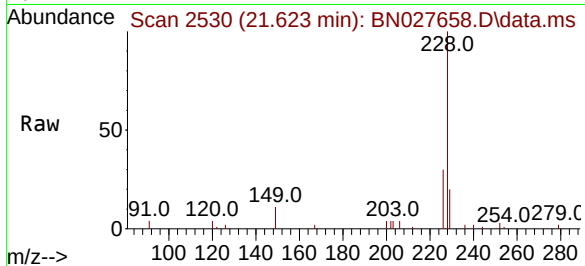
Tgt Ion:228 Resp: 13613  
 Ion Ratio Lower Upper  
 228 100  
 226 27.2 21.9 32.9  
 229 20.0 15.7 23.5





#33  
Chrysene  
Concen: 0.391 ng  
RT: 21.623 min Scan# 2153  
Delta R.T. 0.000 min  
Lab File: BN027658.D  
Acq: 14 Sep 2023 00:24

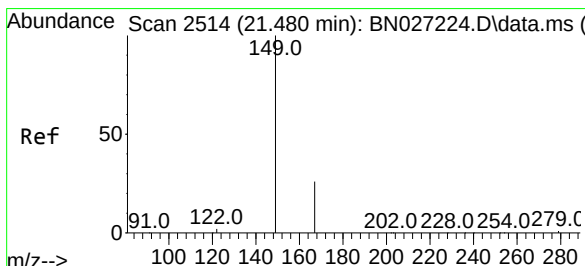
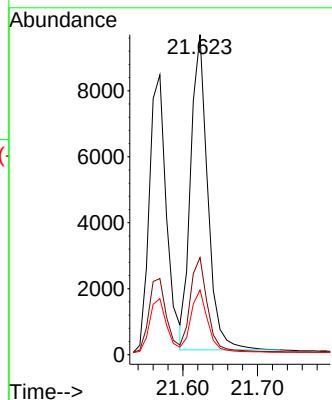
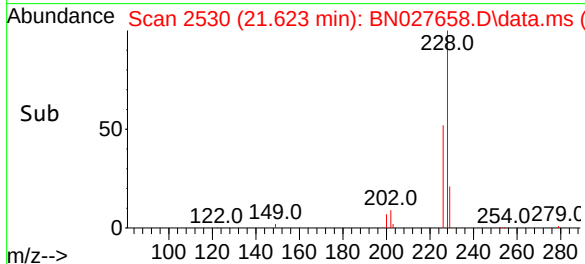
Instrument :  
BNA\_N  
ClientSampleId :  
PB155453BSD



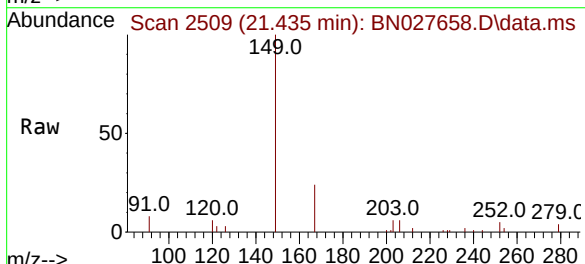
Tgt Ion:228 Resp: 1513  
Ion Ratio Lower Upper  
228 100  
226 30.3 24.3 36.5  
229 20.2 15.4 23.2

Manual Integrations  
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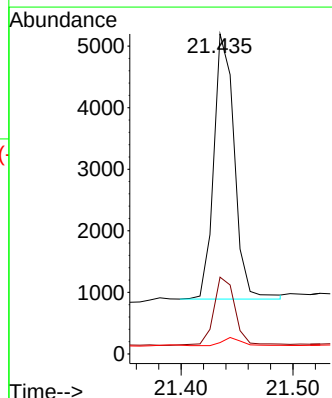
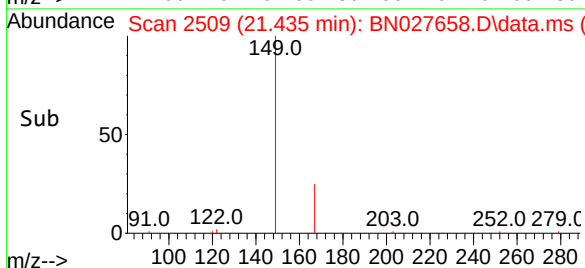
Reviewed By :Yogesh Patel 09/14/2023  
Supervised By :mohammad ahmed 09/15/2023

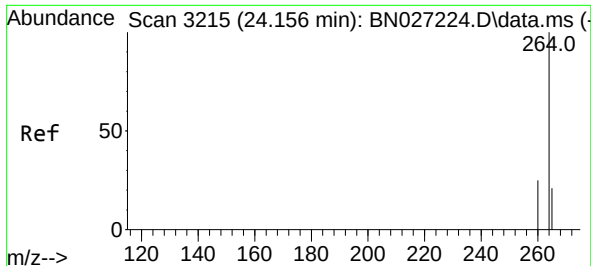


#34  
Bis(2-ethylhexyl)phthalate  
Concen: 0.323 ng  
RT: 21.435 min Scan# 2509  
Delta R.T. -0.009 min  
Lab File: BN027658.D  
Acq: 14 Sep 2023 00:24



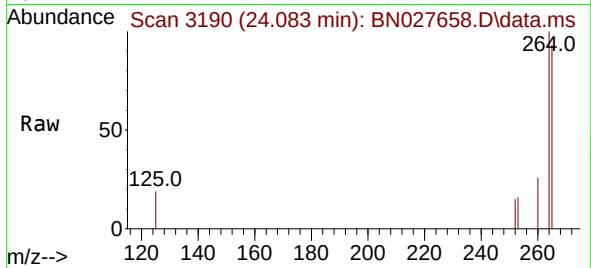
Tgt Ion:149 Resp: 5479  
Ion Ratio Lower Upper  
149 100  
167 26.9 22.1 33.1  
279 3.0 2.7 4.1





#35  
 Perylene-d12  
 Concen: 0.400 ng  
 RT: 24.083 min Scan# 31  
 Delta R.T. -0.012 min  
 Lab File: BN027658.D  
 Acq: 14 Sep 2023 00:24

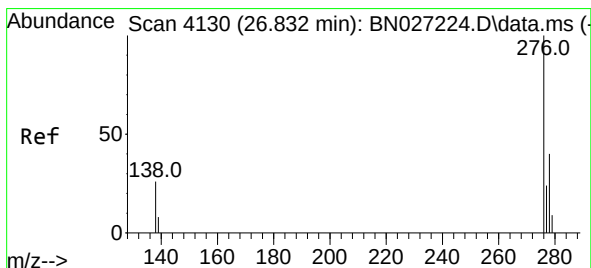
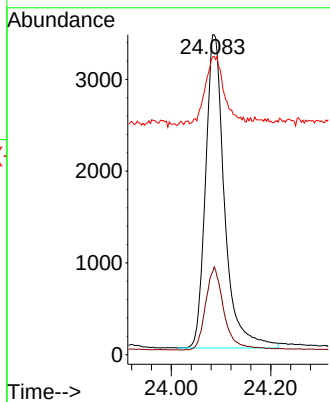
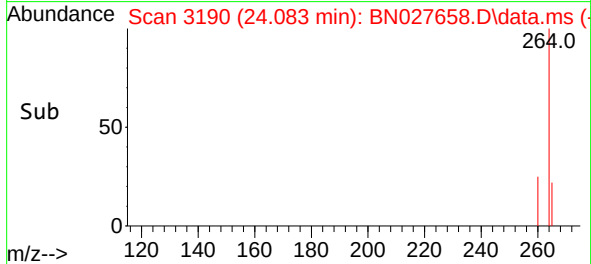
Instrument :  
 BNA\_N  
 ClientSampleId :  
 PB155453BSD



Tgt Ion:264 Resp: 906  
 Ion Ratio Lower Upper  
 264 100  
 260 25.9 20.7 31.1  
 265 93.1 53.3 79.9

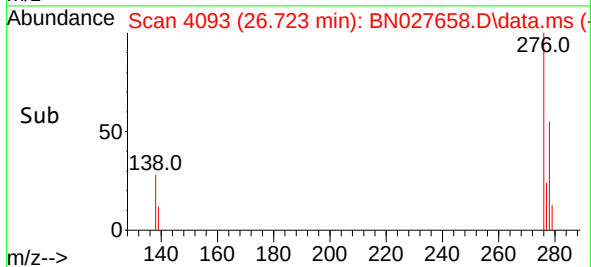
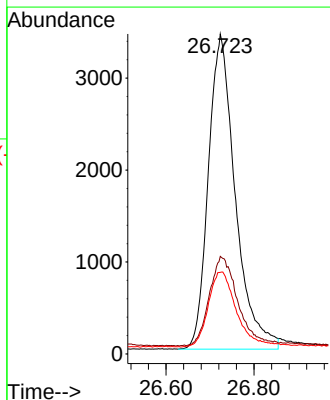
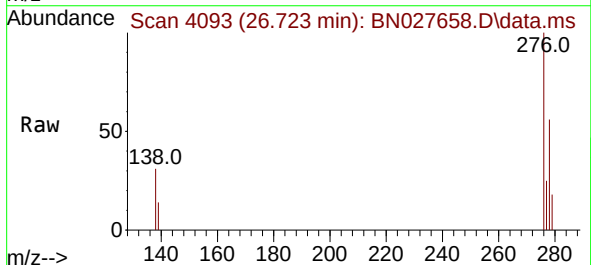
Manual Integrations  
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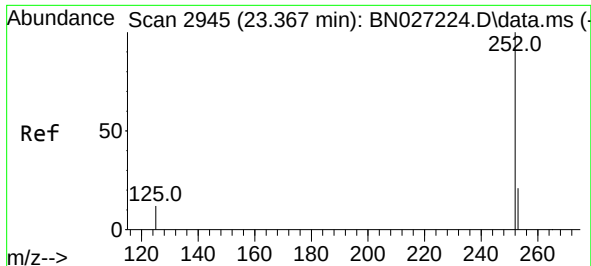
Reviewed By :Yogesh Patel 09/14/2023  
 Supervised By :mohammad ahmed 09/15/2023



#36  
 Indeno(1,2,3-cd)pyrene  
 Concen: 0.395 ng  
 RT: 26.723 min Scan# 4093  
 Delta R.T. -0.006 min  
 Lab File: BN027658.D  
 Acq: 14 Sep 2023 00:24

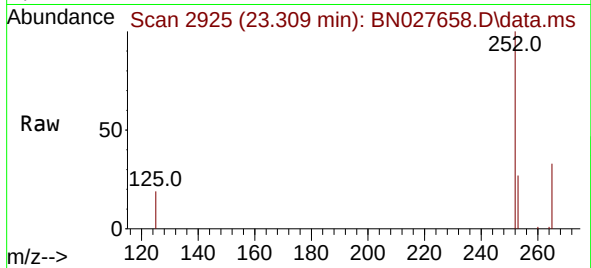
Tgt Ion:276 Resp: 14543  
 Ion Ratio Lower Upper  
 276 100  
 138 29.5 23.4 35.2  
 277 25.0 19.8 29.8





#37  
Benzo(b)fluoranthene  
Concen: 0.387 ng  
RT: 23.309 min Scan# 2945  
Delta R.T. -0.006 min  
Lab File: BN027658.D  
Acq: 14 Sep 2023 00:24

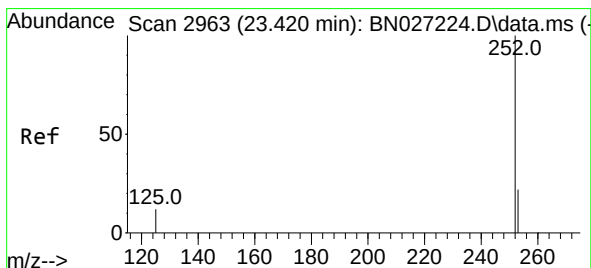
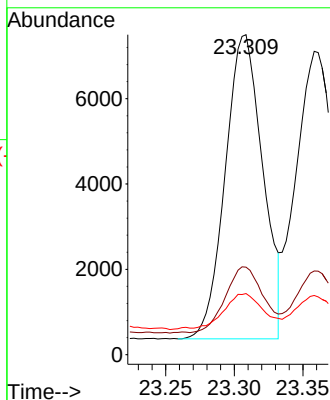
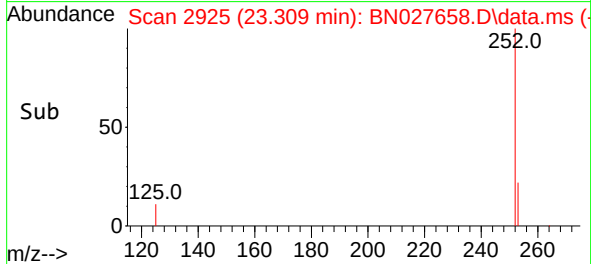
Instrument :  
BNA\_N  
ClientSampleId :  
PB155453BSD



Tgt Ion:252 Resp: 13572  
Ion Ratio Lower Upper  
252 100  
253 27.4 19.9 29.9  
125 19.1 13.8 20.6

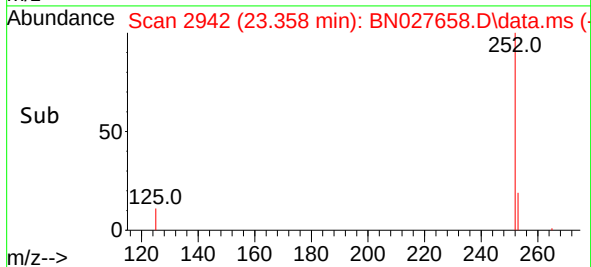
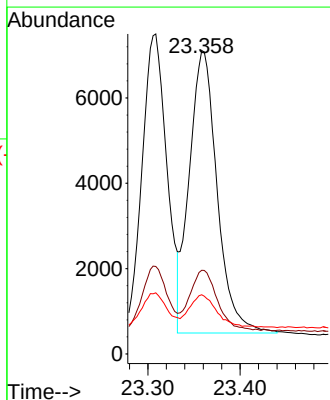
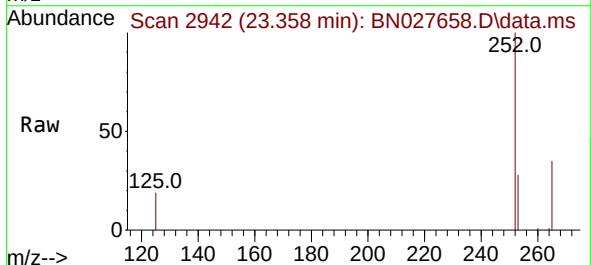
Manual Integrations  
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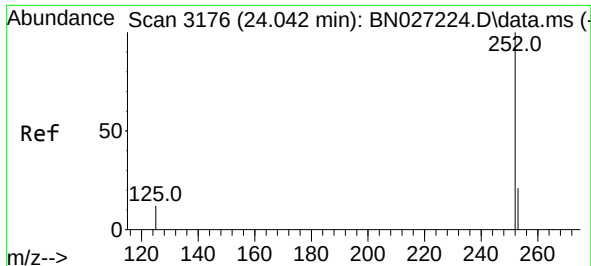
Reviewed By :Yogesh Patel 09/14/2023  
Supervised By :mohammad ahmed 09/15/2023



#38  
Benzo(k)fluoranthene  
Concen: 0.385 ng m  
RT: 23.358 min Scan# 2942  
Delta R.T. -0.009 min  
Lab File: BN027658.D  
Acq: 14 Sep 2023 00:24

Tgt Ion:252 Resp: 13897  
Ion Ratio Lower Upper  
252 100  
253 27.6 20.2 30.2  
125 19.5 14.1 21.1





#39

Benzo(a)pyrene

Concen: 0.370 ng

RT: 23.972 min Scan# 31

Delta R.T. -0.009 min

Lab File: BN027658.D

Acq: 14 Sep 2023 00:24

Instrument :

BN027658.D

ClientSampleId :

PB155453BSD

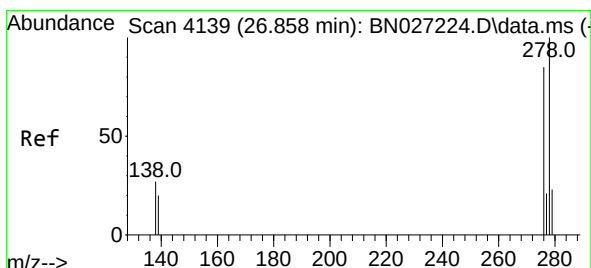
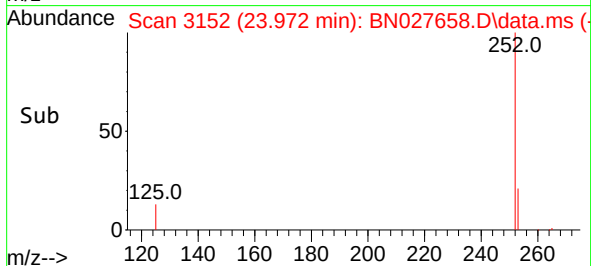
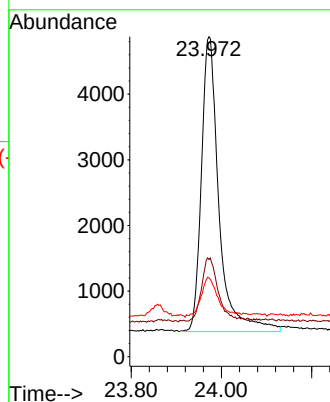
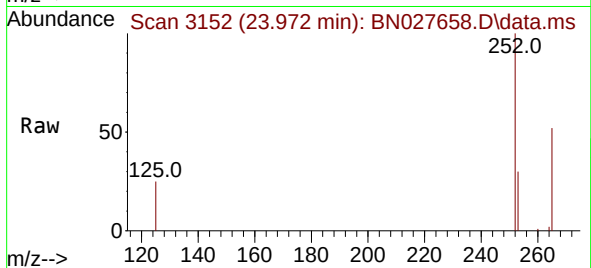
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 252   | Resp: | 1213 |
| Ion Ratio | Lower | Upper |      |
| 252       | 100   |       |      |
| 253       | 30.4  | 21.4  | 32.0 |
| 125       | 24.6  | 16.5  | 24.7 |

Manual Integrations

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Reviewed By :Yogesh Patel 09/14/2023

Supervised By :mohammad ahmed 09/15/2023



#40

Dibenzo(a,h)anthracene

Concen: 0.408 ng

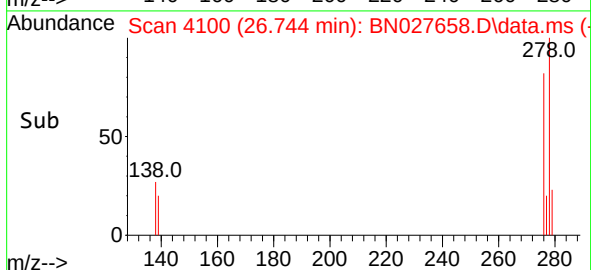
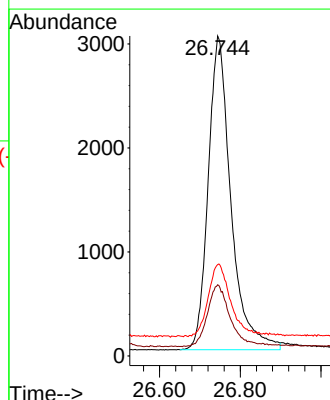
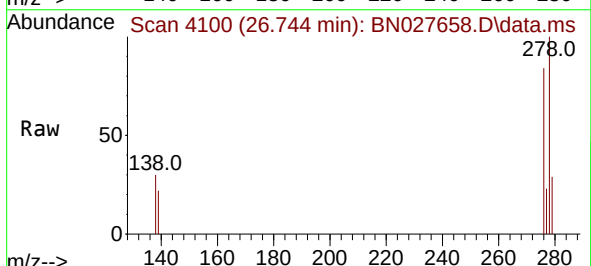
RT: 26.744 min Scan# 4100

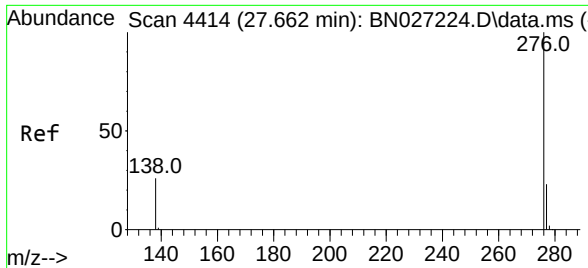
Delta R.T. -0.012 min

Lab File: BN027658.D

Acq: 14 Sep 2023 00:24

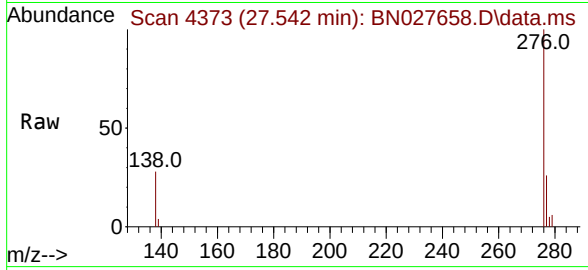
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 278   | Resp: | 11790 |
| Ion Ratio | Lower | Upper |       |
| 278       | 100   |       |       |
| 139       | 22.3  | 17.9  | 26.9  |
| 279       | 28.6  | 21.8  | 32.6  |





#41  
Benzo(g,h,i)perylene  
Concen: 0.406 ng  
RT: 27.542 min Scan# 41  
Delta R.T. -0.012 min  
Lab File: BN027658.D  
Acq: 14 Sep 2023 00:24

Instrument :  
BNA\_N  
ClientSampleId :  
PB155453BSD



Tgt Ion:276 Resp: 13569  
Ion Ratio Lower Upper  
276 100  
277 25.5 19.6 29.4  
138 27.7 22.1 33.1

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 09/14/2023  
Supervised By :mohammad ahmed 09/15/2023

