

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN082523\  
 Data File : BN027204.D  
 Acq On : 28 Aug 2023 00:20  
 Operator : MA/JU  
 Sample : 04051-06MSD  
 Misc :  
 ALS Vial : 95 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 TT180D-20230816MSD

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 08/28/2023  
 Supervised By :mohammad ahmed 08/28/2023

Quant Time: Aug 28 01:15:04 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN081123.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Aug 26 02:13:59 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.073  | 152  | 6452     | 0.400 | ng    | -0.01    |
| 7) Naphthalene-d8             | 10.896 | 136  | 16815    | 0.400 | ng    | #-0.01   |
| 13) Acenaphthene-d10          | 14.694 | 164  | 9535     | 0.400 | ng    | #-0.01   |
| 19) Phenanthrene-d10          | 17.443 | 188  | 21300    | 0.400 | ng    | #-0.01   |
| 29) Chrysene-d12              | 21.623 | 240  | 16272    | 0.400 | ng    | 0.00     |
| 35) Perylene-d12              | 24.151 | 264  | 14177    | 0.400 | ng    | #-0.02   |
|                               |        |      |          |       |       |          |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.596  | 112  | 1964     | 0.108 | ng    | 0.00     |
| 5) Phenol-d6                  | 7.214  | 99   | 1356     | 0.060 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 9.262  | 82   | 3571     | 0.251 | ng    | -0.01    |
| 11) 2-Methylnaphthalene-d10   | 12.472 | 152  | 8384m    | 0.314 | ng    | -0.01    |
| 14) 2,4,6-Tribromophenol      | 16.189 | 330  | 1079     | 0.213 | ng    | -0.01    |
| 15) 2-Fluorobiphenyl          | 13.326 | 172  | 11947    | 0.338 | ng    | -0.01    |
| 27) Fluoranthene-d10          | 19.467 | 212  | 19180    | 0.351 | ng    | 0.00     |
| 31) Terphenyl-d14             | 20.053 | 244  | 14543    | 0.428 | ng    | 0.00     |
|                               |        |      |          |       |       |          |
| Target Compounds              |        |      |          |       |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.466  | 88   | 2187     | 0.315 | ng    | # 75     |
| 3) n-Nitrosodimethylamine     | 3.805  | 42   | 1129     | 0.146 | ng    | # 95     |
| 6) bis(2-Chloroethyl)ether    | 7.503  | 93   | 6936     | 0.367 | ng    | 95       |
| 9) Naphthalene                | 10.949 | 128  | 16186    | 0.366 | ng    | 100      |
| 10) Hexachlorobutadiene       | 11.184 | 225  | 3183     | 0.352 | ng    | # 99     |
| 12) 2-Methylnaphthalene       | 12.544 | 142  | 10688    | 0.309 | ng    | 98       |
| 16) Acenaphthylene            | 14.427 | 152  | 16882    | 0.371 | ng    | 99       |
| 17) Acenaphthene              | 14.758 | 154  | 10348    | 0.368 | ng    | 96       |
| 18) Fluorene                  | 15.742 | 166  | 14373    | 0.381 | ng    | 99       |
| 20) 4,6-Dinitro-2-methylph... | 16.897 | 198  | 136      | 0.407 | ng    | # 44     |
| 21) 4-Bromophenyl-phenylether | 16.636 | 248  | 4220     | 0.347 | ng    | # 96     |
| 22) Hexachlorobenzene         | 16.711 | 284  | 5426     | 0.418 | ng    | 95       |
| 23) Atrazine                  | 16.897 | 200  | 3470     | 0.321 | ng    | # 95     |
| 24) Pentachlorophenol         | 17.070 | 266  | 2954     | 0.451 | ng    | 98       |
| 25) Phenanthrene              | 17.493 | 178  | 25021    | 0.409 | ng    | 100      |
| 26) Anthracene                | 17.579 | 178  | 20384    | 0.357 | ng    | 100      |
| 28) Fluoranthene              | 19.495 | 202  | 29849    | 0.412 | ng    | 99       |
| 30) Pyrene                    | 19.862 | 202  | 30734    | 0.491 | ng    | 100      |
| 32) Benzo(a)anthracene        | 21.605 | 228  | 24213    | 0.412 | ng    | 99       |
| 33) Chrysene                  | 21.659 | 228  | 26355    | 0.445 | ng    | 99       |
| 34) Bis(2-ethylhexyl)phtha... | 21.480 | 149  | 12428    | 0.294 | ng    | # 97     |
| 36) Indeno(1,2,3-cd)pyrene    | 26.823 | 276  | 20060    | 0.346 | ng    | # 87     |
| 37) Benzo(b)fluoranthene      | 23.361 | 252  | 24149    | 0.509 | ng    | # 94     |
| 38) Benzo(k)fluoranthene      | 23.414 | 252  | 22515    | 0.462 | ng    | # 93     |
| 39) Benzo(a)pyrene            | 24.034 | 252  | 17882    | 0.376 | ng    | # 88     |
| 40) Dibenzo(a,h)anthracene    | 26.849 | 278  | 16331    | 0.353 | ng    | # 93     |
| 41) Benzo(g,h,i)perylene      | 27.653 | 276  | 18549    | 0.373 | ng    | # 95     |
| -----                         |        |      |          |       |       |          |

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

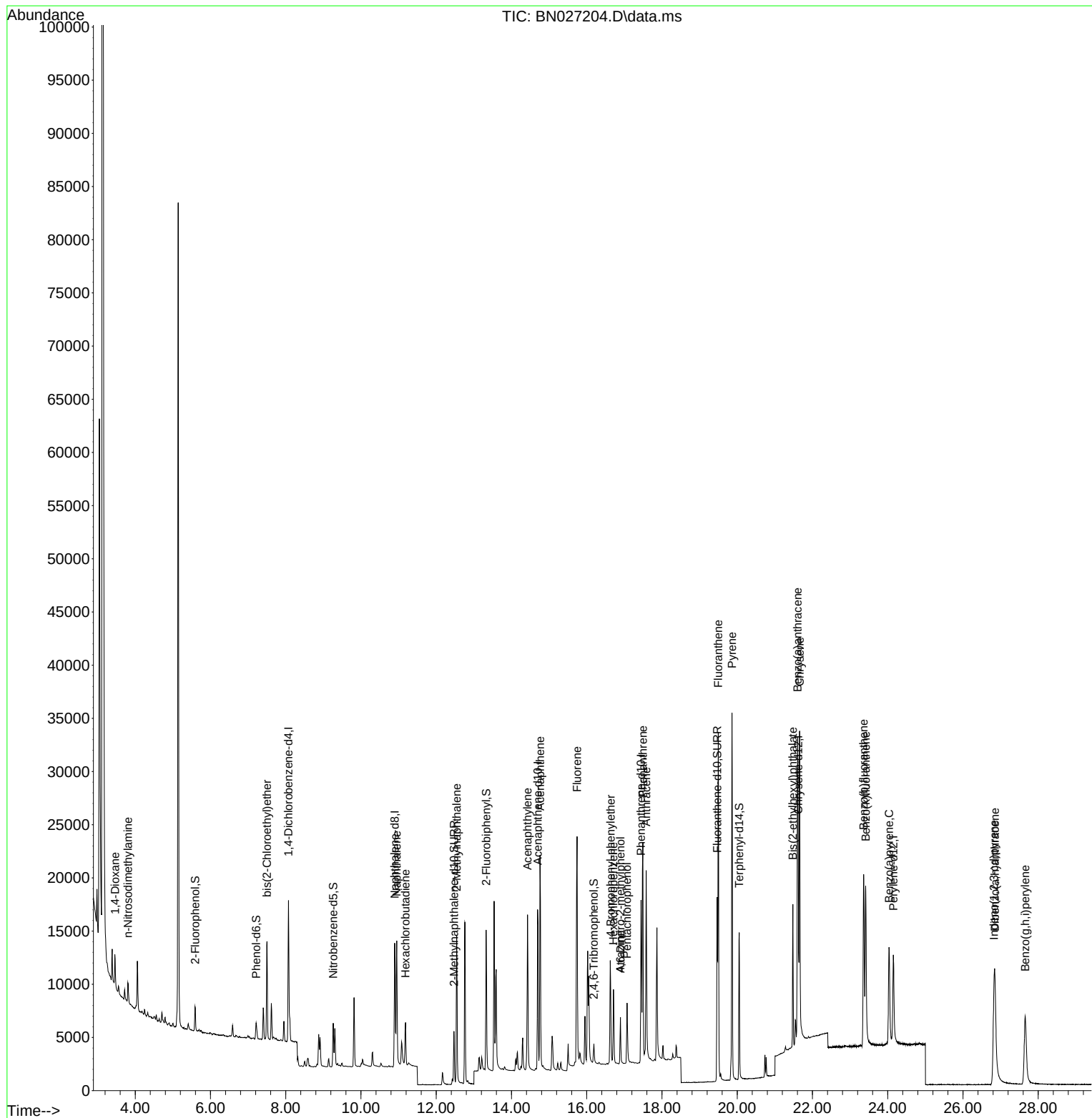
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN082523\  
Data File : BN027204.D  
Acq On : 28 Aug 2023 00:20  
Operator : MA/JU  
Sample : 04051-06MSD  
Misc :  
ALS Vial : 95 Sample Multiplier: 1

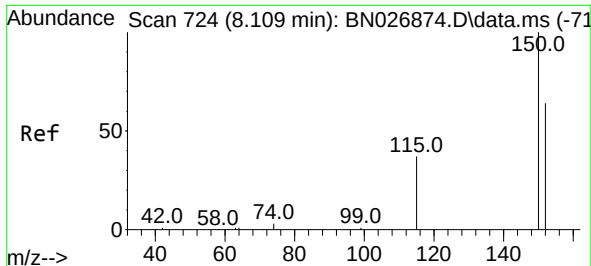
Instrument :  
BNA\_N  
ClientSampleId :  
TT180D-20230816MSD

Quant Time: Aug 28 01:15:04 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN081123.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sat Aug 26 02:13:59 2023  
Response via : Initial Calibration

Manual Integrations  
APPROVED

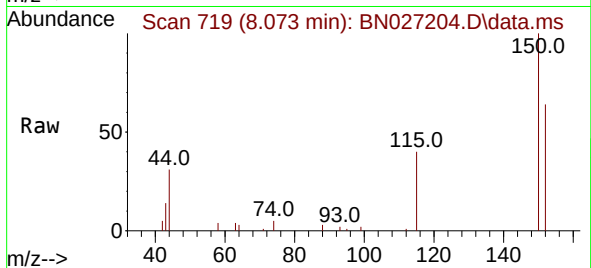
Reviewed By :Yogesh Patel 08/28/2023  
Supervised By :mohammad ahmed 08/28/2023





#1  
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 8.073 min Scan# 719  
Delta R.T. -0.015 min  
Lab File: BN027204.D  
Acq: 28 Aug 2023 00:20

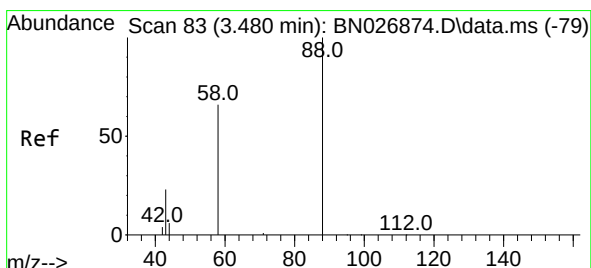
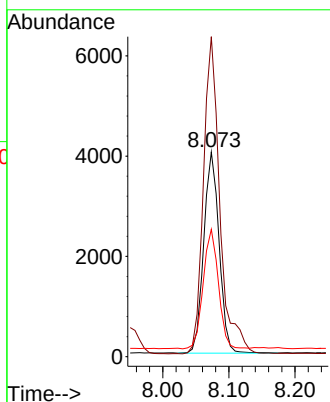
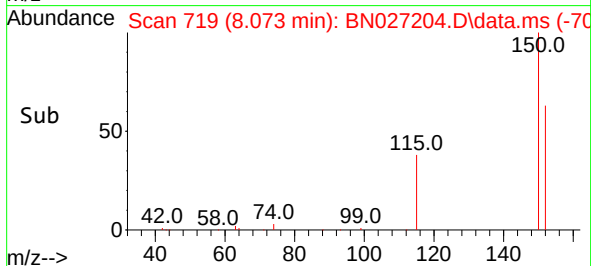
Instrument :  
BNA\_N  
ClientSampleId :  
TT180D-20230816MSD



Tgt Ion: 152 Resp: 645  
Ion Ratio Lower Upper  
152 100  
150 156.3 123.8 185.6  
115 62.3 49.7 74.5

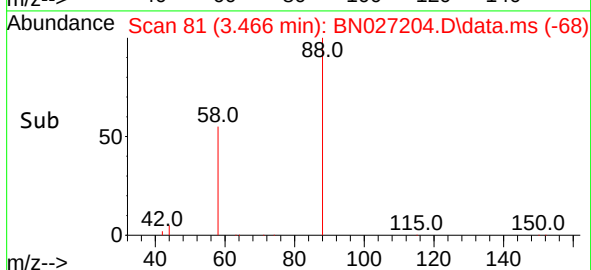
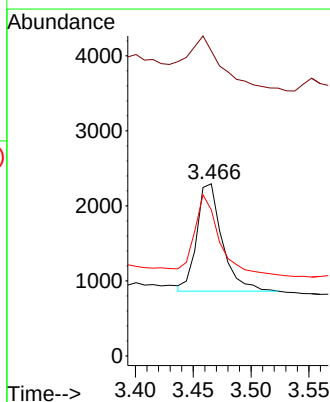
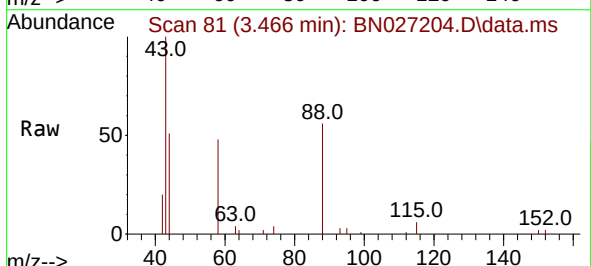
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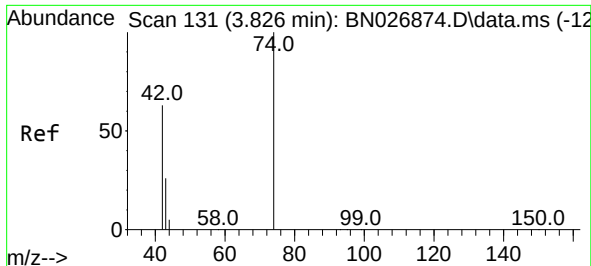
Reviewed By :Yogesh Patel 08/28/2023  
Supervised By :mohammad ahmed 08/28/2023



#2  
1,4-Dioxane  
Concen: 0.315 ng  
RT: 3.466 min Scan# 81  
Delta R.T. -0.007 min  
Lab File: BN027204.D  
Acq: 28 Aug 2023 00:20

Tgt Ion: 88 Resp: 2187  
Ion Ratio Lower Upper  
88 100  
43 65.6 19.2 28.8#  
58 71.6 54.5 81.7





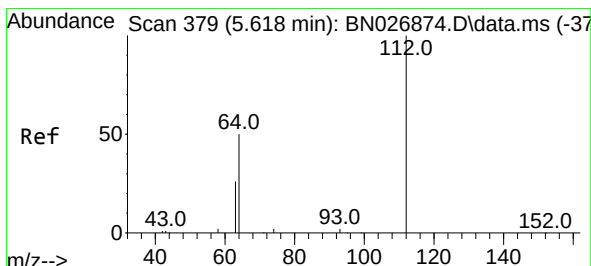
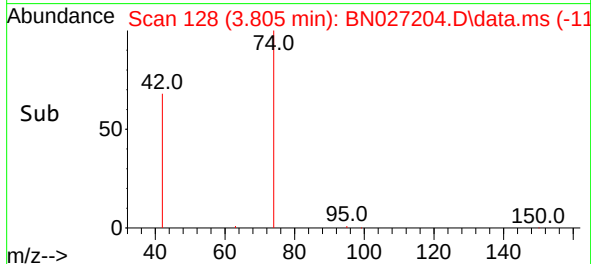
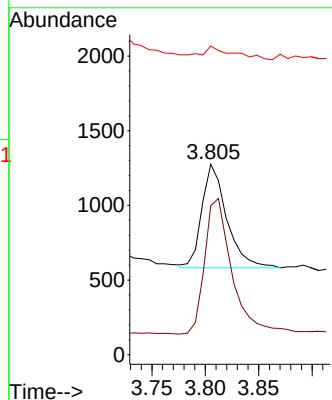
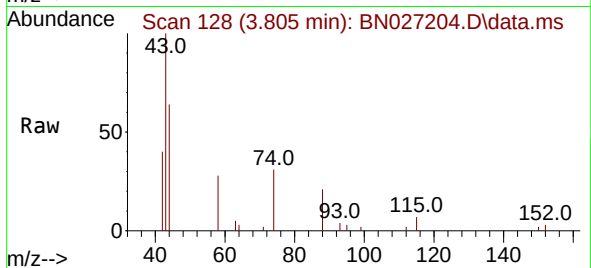
#3  
n-Nitrosodimethylamine  
Concen: 0.146 ng  
RT: 3.805 min Scan# 1129  
Delta R.T. -0.007 min  
Lab File: BN027204.D  
Acq: 28 Aug 2023 00:20

Instrument :  
BNA\_N  
ClientSampleId :  
TT180D-20230816MSD

Tgt Ion: 42 Resp: 1129  
Ion Ratio Lower Upper  
42 100  
74 143.1 119.4 179.2  
44 16.0 8.7 13.1

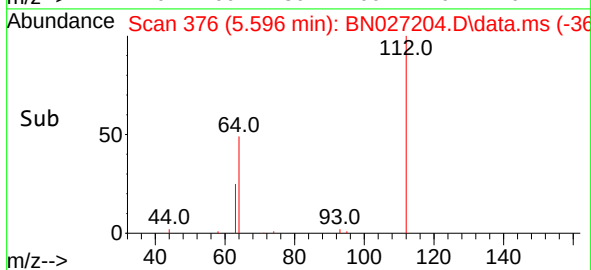
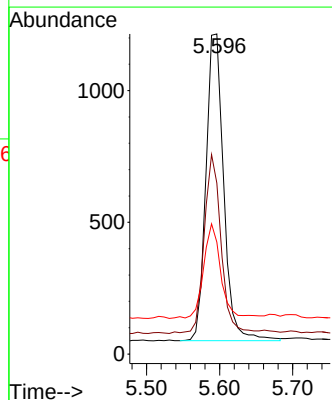
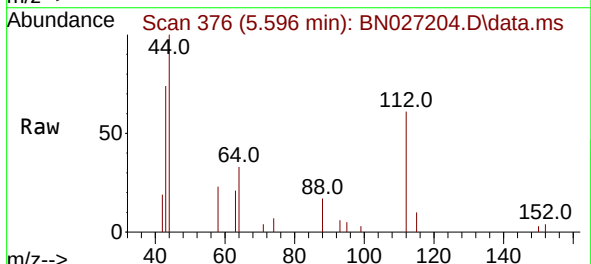
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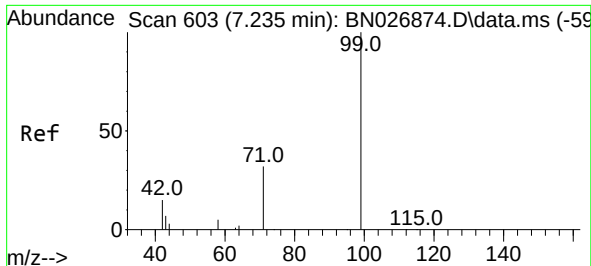
Reviewed By :Yogesh Patel 08/28/2023  
Supervised By :mohammad ahmed 08/28/2023



#4  
2-Fluorophenol  
Concen: 0.108 ng  
RT: 5.596 min Scan# 376  
Delta R.T. -0.007 min  
Lab File: BN027204.D  
Acq: 28 Aug 2023 00:20

Tgt Ion:112 Resp: 1964  
Ion Ratio Lower Upper  
112 100  
64 55.4 41.5 62.3  
63 30.2 21.7 32.5





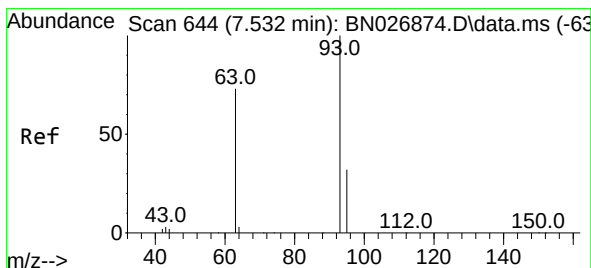
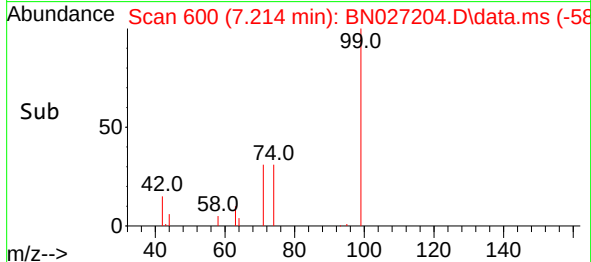
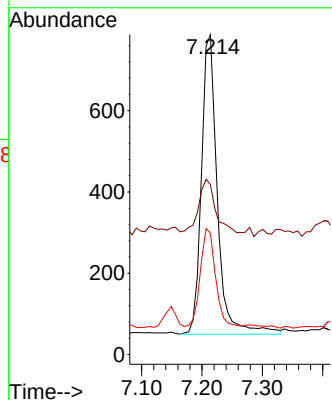
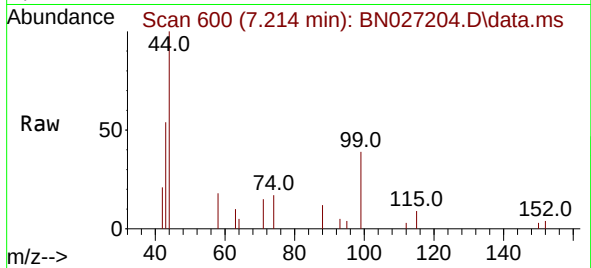
#5  
Phenol-d6  
Concen: 0.060 ng  
RT: 7.214 min Scan# 603  
Delta R.T. -0.007 min  
Lab File: BN027204.D  
Acq: 28 Aug 2023 00:20

Instrument :  
BNA\_N  
ClientSampleId :  
TT180D-20230816MSD

Tgt Ion: 99 Resp: 1350  
Ion Ratio Lower Upper  
99 100  
42 18.7 13.6 20.4  
71 31.8 26.0 39.0

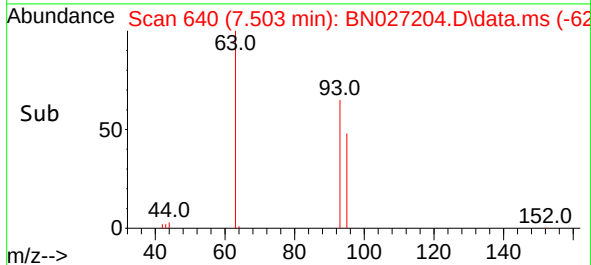
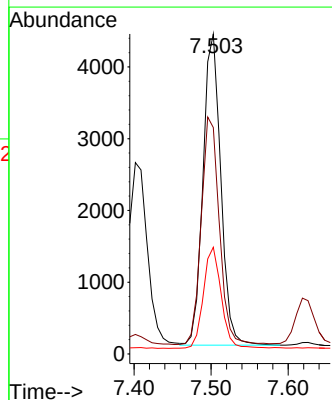
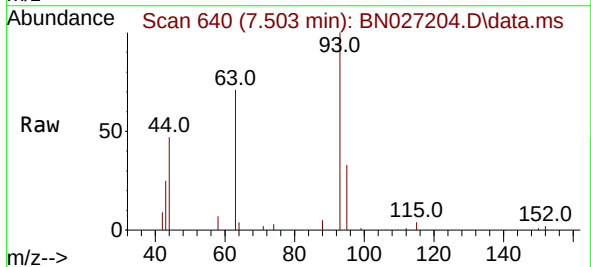
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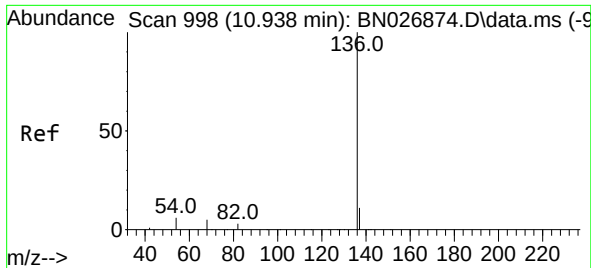
Reviewed By :Yogesh Patel 08/28/2023  
Supervised By :mohammad ahmed 08/28/2023



#6  
bis(2-Chloroethyl)ether  
Concen: 0.367 ng  
RT: 7.503 min Scan# 640  
Delta R.T. -0.007 min  
Lab File: BN027204.D  
Acq: 28 Aug 2023 00:20

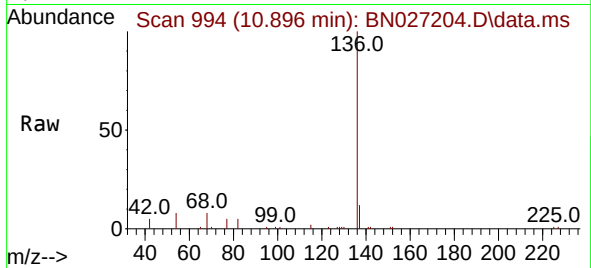
Tgt Ion: 93 Resp: 6936  
Ion Ratio Lower Upper  
93 100  
63 74.4 55.0 82.4  
95 32.7 26.2 39.2





#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.896 min Scan# 998  
Delta R.T. -0.010 min  
Lab File: BN027204.D  
Acq: 28 Aug 2023 00:20

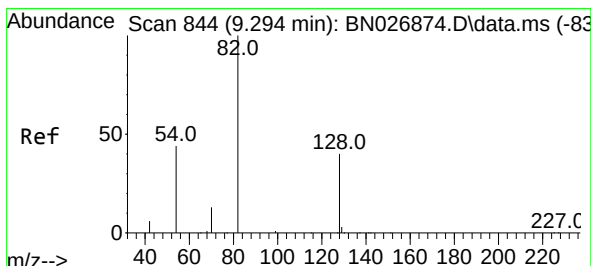
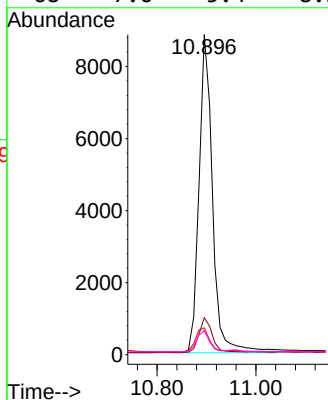
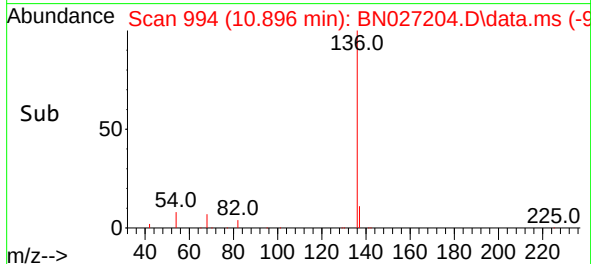
Instrument :  
BNA\_N  
ClientSampleId :  
TT180D-20230816MSD



Tgt Ion:136 Resp: 1681  
Ion Ratio Lower Upper  
136 100  
137 11.5 9.0 13.6  
54 8.4 5.5 8.3  
68 7.6 5.4 8.2

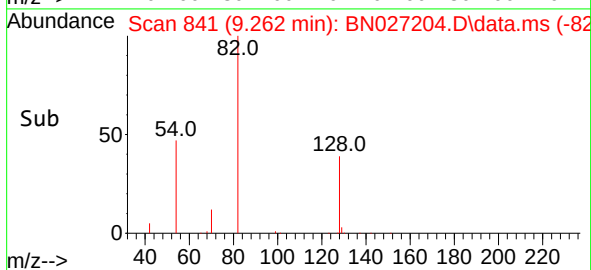
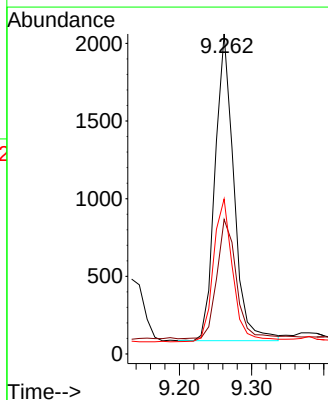
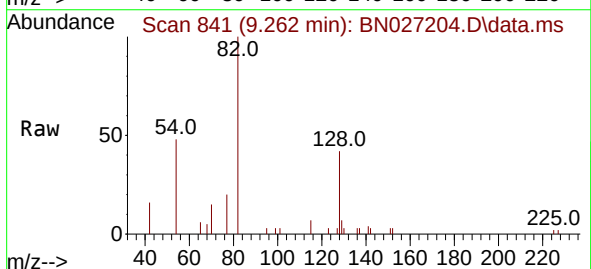
Manual Integrations  
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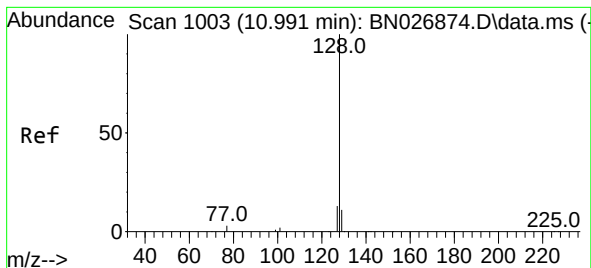
Reviewed By :Yogesh Patel 08/28/2023  
Supervised By :mohammad ahmed 08/28/2023



#8  
Nitrobenzene-d5  
Concen: 0.251 ng  
RT: 9.262 min Scan# 841  
Delta R.T. -0.010 min  
Lab File: BN027204.D  
Acq: 28 Aug 2023 00:20

Tgt Ion: 82 Resp: 3571  
Ion Ratio Lower Upper  
82 100  
128 42.1 34.1 51.1  
54 48.5 37.0 55.4





#9

Naphthalene

Concen: 0.366 ng

RT: 10.949 min Scan# 999

Delta R.T. -0.010 min

Lab File: BN027204.D

Acq: 28 Aug 2023 00:20

Instrument :

BNA\_N

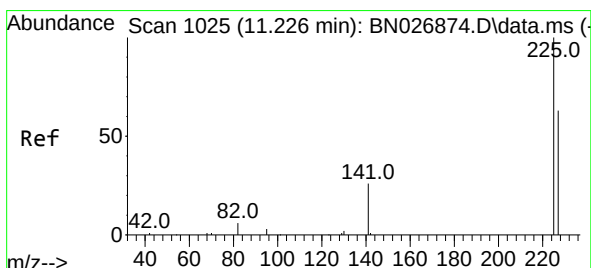
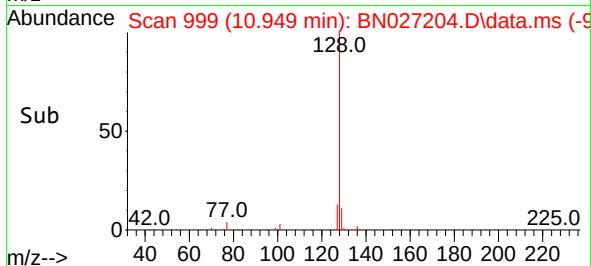
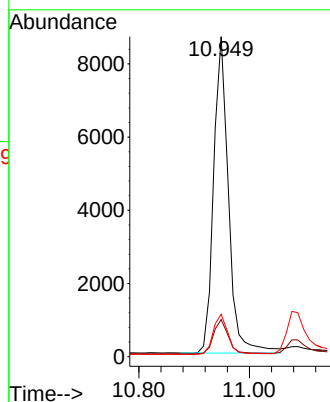
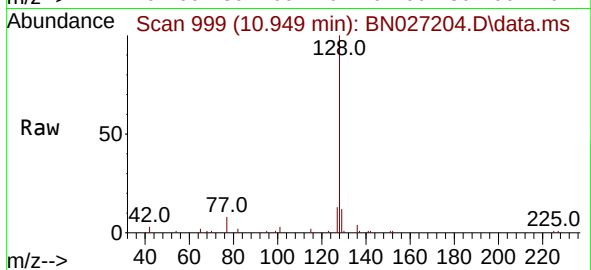
ClientSampleId :

TT180D-20230816MSD

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 128   | Resp: | 16180 |
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 129       | 11.6  | 9.4   | 14.0  |
| 127       | 13.3  | 10.6  | 16.0  |

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 08/28/2023  
Supervised By :mohammad ahmed 08/28/2023



#10

Hexachlorobutadiene

Concen: 0.352 ng

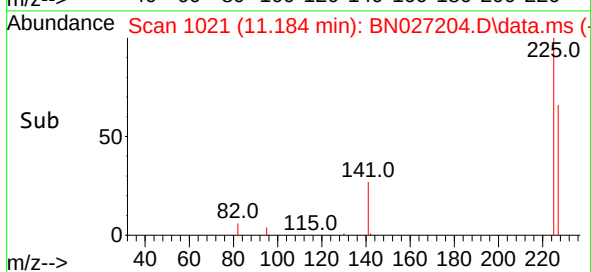
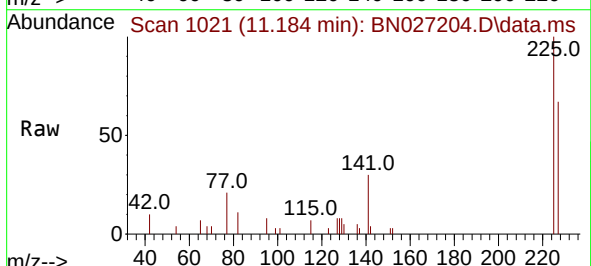
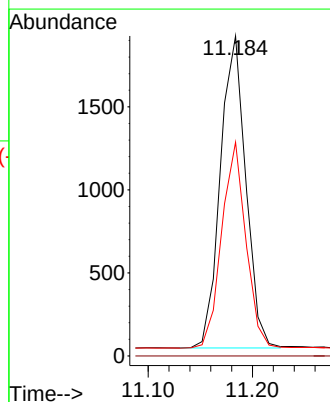
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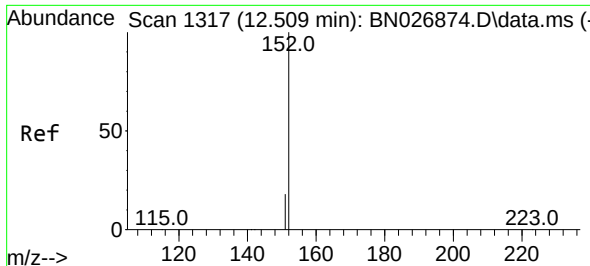
Delta R.T. -0.011 min

Lab File: BN027204.D

Acq: 28 Aug 2023 00:20

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 225   | Resp: | 3183 |
| Ion Ratio | Lower | Upper |      |
| 225       | 100   |       |      |
| 223       | 0.0   | 0.0   | 0.0  |
| 227       | 62.9  | 50.8  | 76.2 |





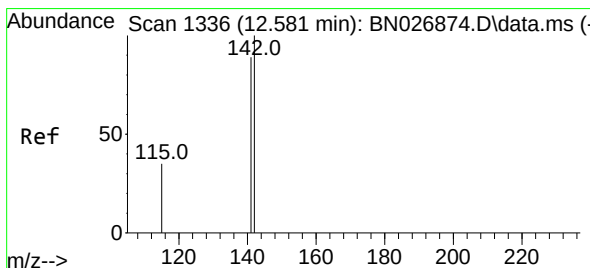
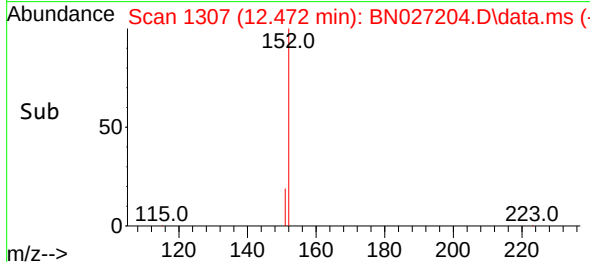
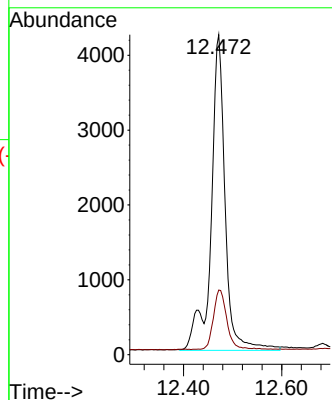
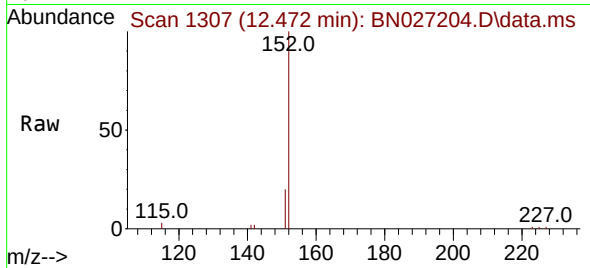
#11  
2-Methylnaphthalene-d10  
Concen: 0.314 ng m  
RT: 12.472 min Scan# 11  
Delta R.T. -0.011 min  
Lab File: BN027204.D  
Acq: 28 Aug 2023 00:20

Instrument :  
BNA\_N  
ClientSampleId :  
TT180D-20230816MSD

Tgt Ion:152 Resp: 8384  
Ion Ratio Lower Upper  
152 100  
151 18.0 16.3 24.5

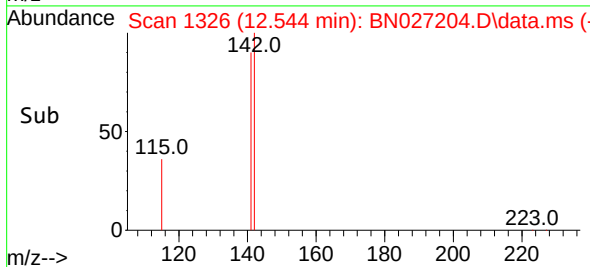
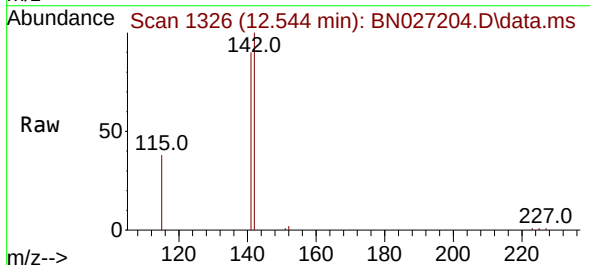
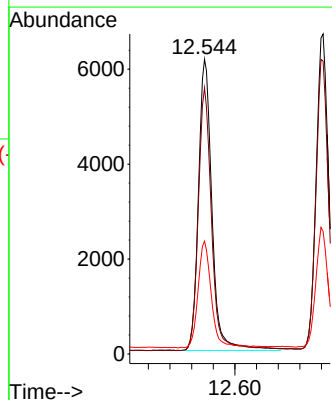
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 08/28/2023  
Supervised By :mohammad ahmed 08/28/2023

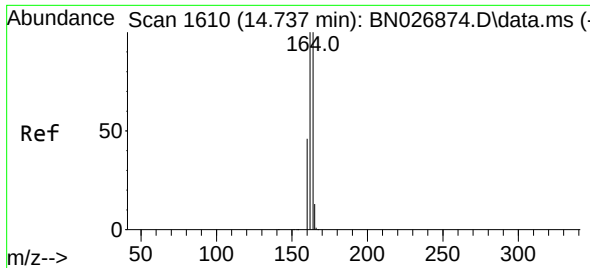


#12  
2-Methylnaphthalene  
Concen: 0.309 ng  
RT: 12.544 min Scan# 1326  
Delta R.T. -0.011 min  
Lab File: BN027204.D  
Acq: 28 Aug 2023 00:20

Tgt Ion:142 Resp: 10688  
Ion Ratio Lower Upper  
142 100  
141 90.3 71.0 106.6  
115 38.3 29.4 44.2

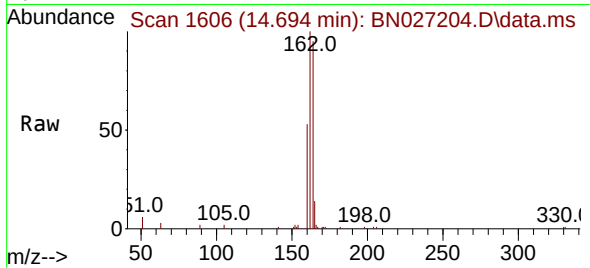






#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.694 min Scan# 1606  
Delta R.T. -0.011 min  
Lab File: BN027204.D  
Acq: 28 Aug 2023 00:20

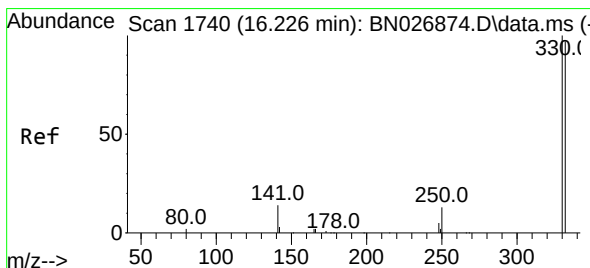
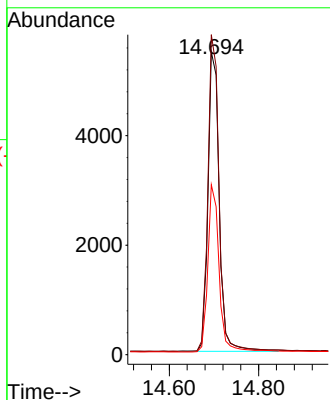
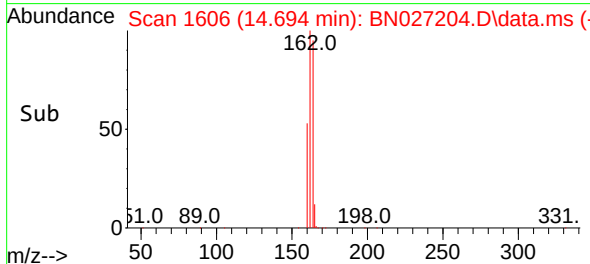
Instrument :  
BNA\_N  
ClientSampleId :  
TT180D-20230816MSD



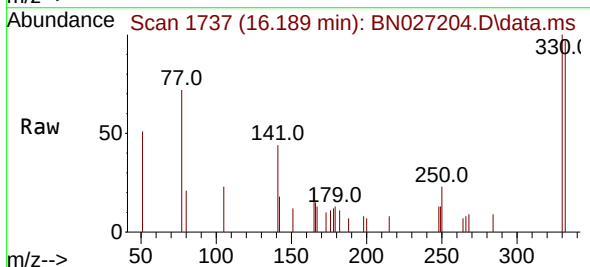
Tgt Ion:164 Resp: 953  
Ion Ratio Lower Upper  
164 100  
162 105.7 79.7 119.5  
160 56.1 37.4 56.0

Manual Integrations  
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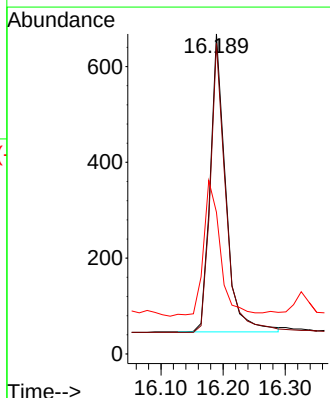
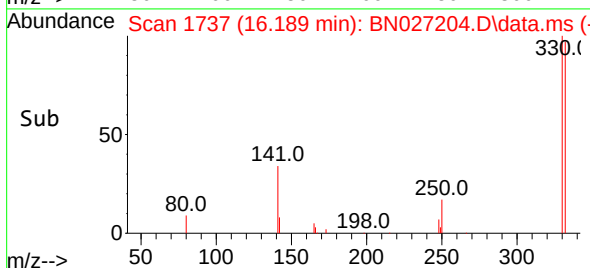
Reviewed By :Yogesh Patel 08/28/2023  
Supervised By :mohammad ahmed 08/28/2023

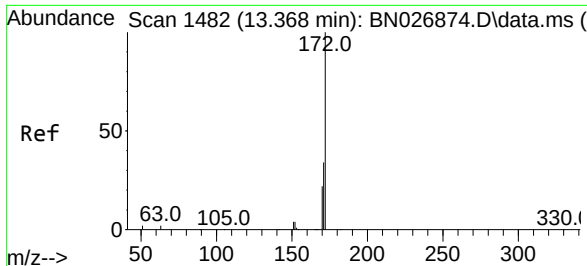


#14  
2,4,6-Tribromophenol  
Concen: 0.213 ng  
RT: 16.189 min Scan# 1737  
Delta R.T. -0.012 min  
Lab File: BN027204.D  
Acq: 28 Aug 2023 00:20



Tgt Ion:330 Resp: 1079  
Ion Ratio Lower Upper  
330 100  
332 96.8 76.6 114.8  
141 49.5 32.3 48.5





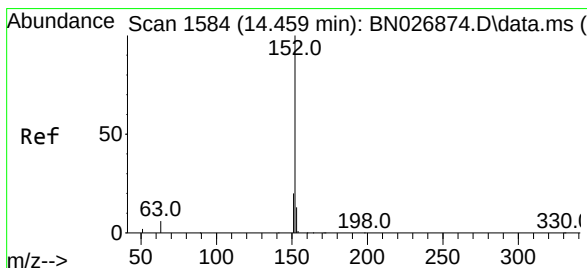
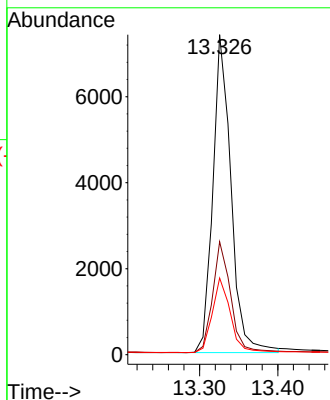
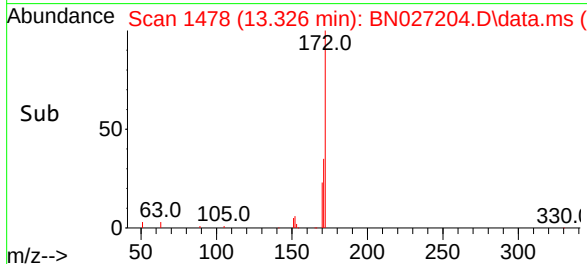
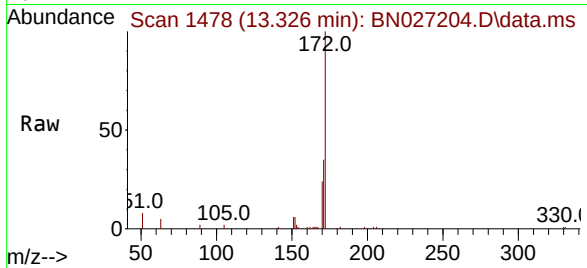
#15  
2-Fluorobiphenyl  
Concen: 0.338 ng  
RT: 13.326 min Scan# 1482  
Delta R.T. -0.010 min  
Lab File: BN027204.D  
Acq: 28 Aug 2023 00:20

Instrument :  
BNA\_N  
ClientSampleId :  
TT180D-20230816MSD

Tgt Ion:172 Resp: 1194  
Ion Ratio Lower Upper  
172 100  
171 35.3 27.4 41.0  
170 24.0 18.0 27.0

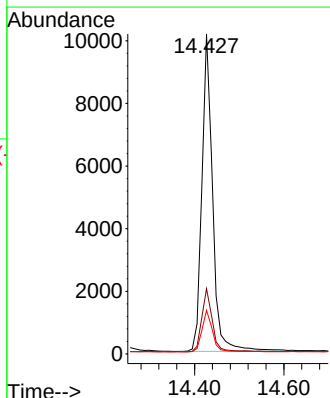
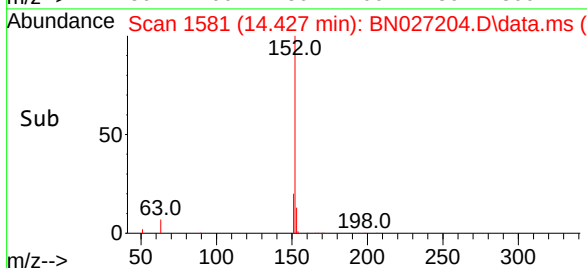
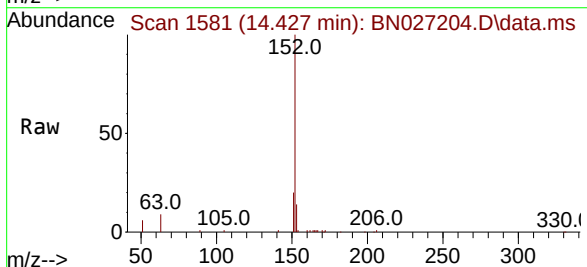
Manual Integrations  
APPROVED

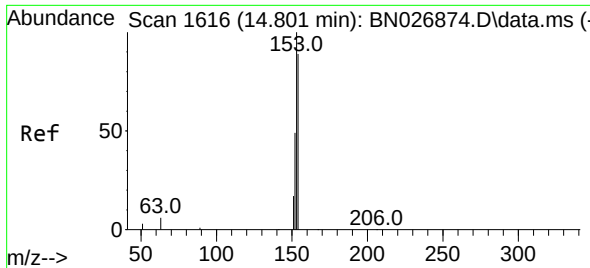
Reviewed By :Yogesh Patel 08/28/2023  
Supervised By :mohammad ahmed 08/28/2023



#16  
Acenaphthylene  
Concen: 0.371 ng  
RT: 14.427 min Scan# 1581  
Delta R.T. -0.011 min  
Lab File: BN027204.D  
Acq: 28 Aug 2023 00:20

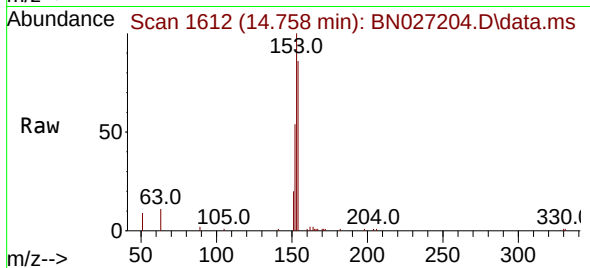
Tgt Ion:152 Resp: 16882  
Ion Ratio Lower Upper  
152 100  
151 19.8 15.5 23.3  
153 13.0 10.5 15.7





#17  
Acenaphthene  
Concen: 0.368 ng  
RT: 14.758 min Scan# 110  
Delta R.T. -0.011 min  
Lab File: BN027204.D  
Acq: 28 Aug 2023 00:20

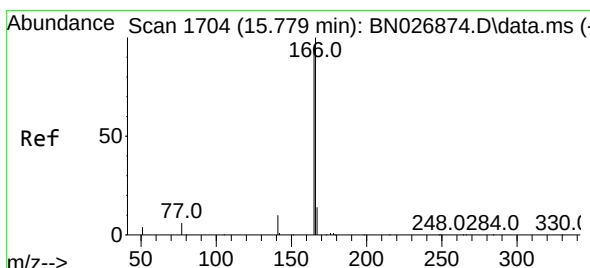
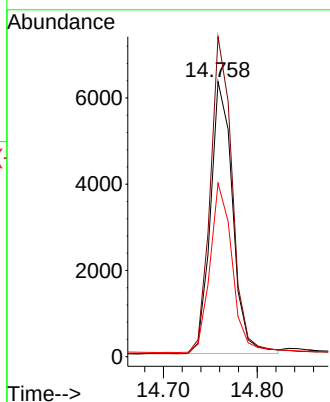
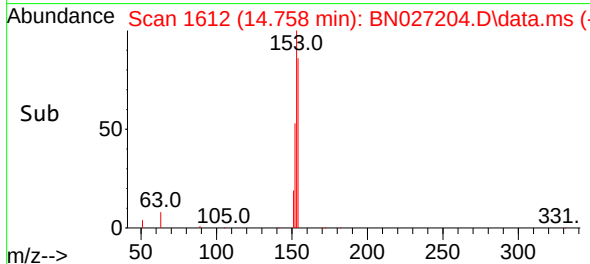
Instrument :  
BNA\_N  
ClientSampleId :  
TT180D-20230816MSD



Tgt Ion:154 Resp: 10348  
Ion Ratio Lower Upper  
154 100  
153 117.5 92.0 138.0  
152 63.5 46.2 69.2

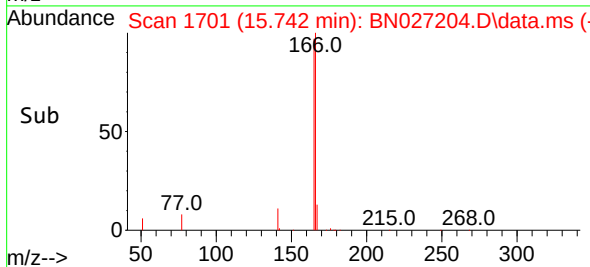
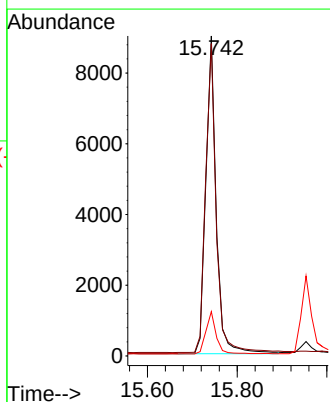
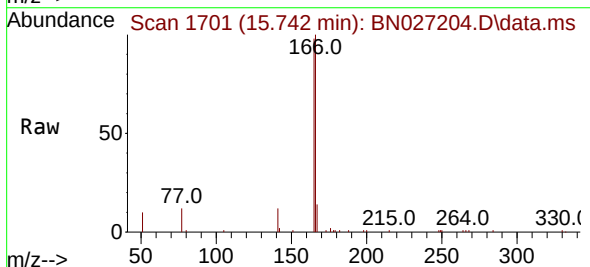
Manual Integrations  
APPROVED

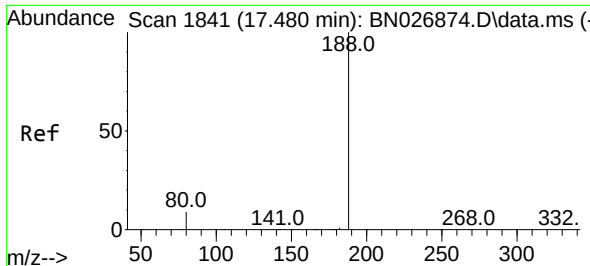
Reviewed By :Yogesh Patel 08/28/2023  
Supervised By :mohammad ahmed 08/28/2023



#18  
Fluorene  
Concen: 0.381 ng  
RT: 15.742 min Scan# 1701  
Delta R.T. -0.012 min  
Lab File: BN027204.D  
Acq: 28 Aug 2023 00:20

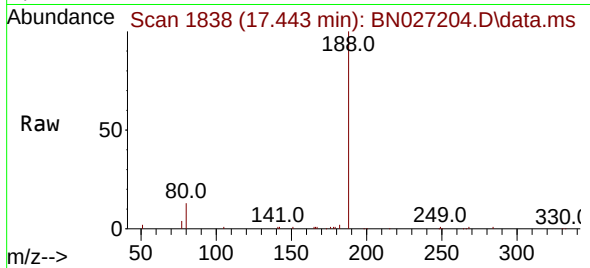
Tgt Ion:166 Resp: 14373  
Ion Ratio Lower Upper  
166 100  
165 98.2 77.4 116.2  
167 13.3 10.9 16.3





#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.443 min Scan# 1838  
Delta R.T. -0.012 min  
Lab File: BN027204.D  
Acq: 28 Aug 2023 00:20

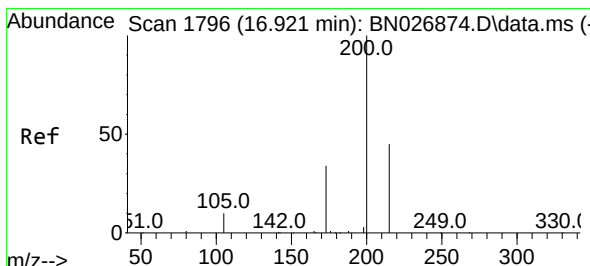
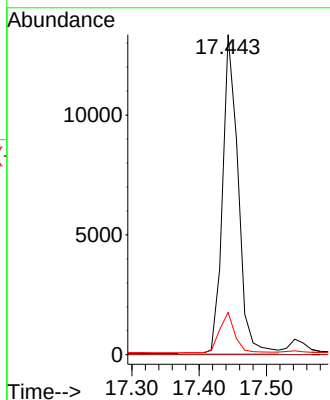
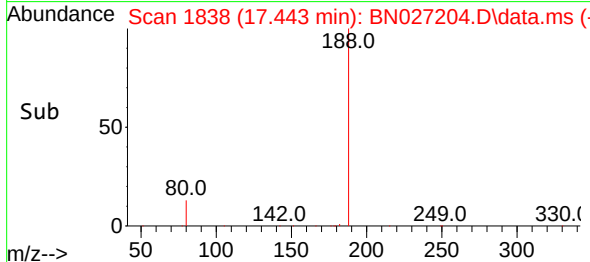
Instrument :  
BNA\_N  
ClientSampleId :  
TT180D-20230816MSD



Tgt Ion:188 Resp: 21300  
Ion Ratio Lower Upper  
188 100  
94 0.0 0.0 0.0  
80 13.2 7.4 11.2

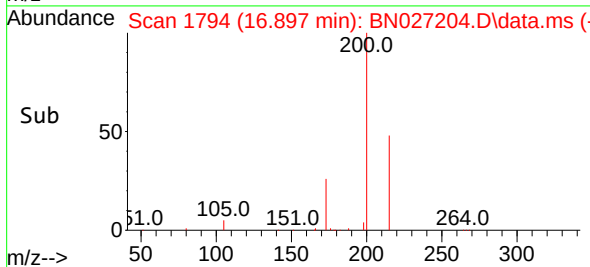
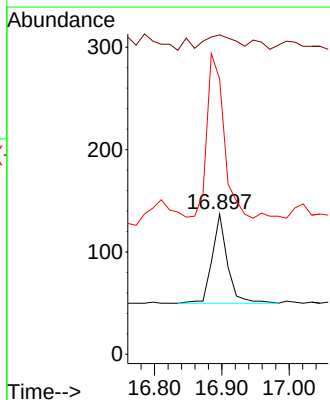
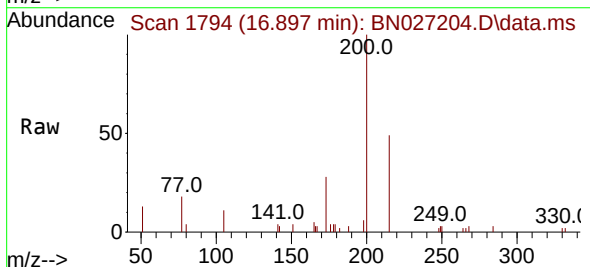
Manual Integrations  
APPROVED

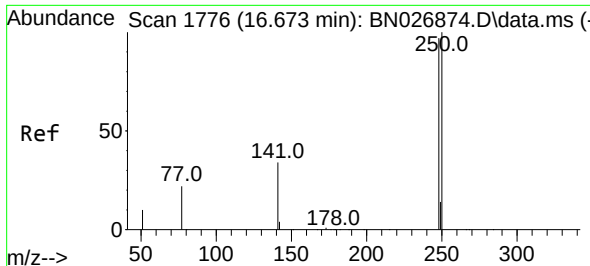
Reviewed By :Yogesh Patel 08/28/2023  
Supervised By :mohammad ahmed 08/28/2023



#20  
4,6-Dinitro-2-methylphenol  
Concen: 0.407 ng  
RT: 16.897 min Scan# 1794  
Delta R.T. -0.012 min  
Lab File: BN027204.D  
Acq: 28 Aug 2023 00:20

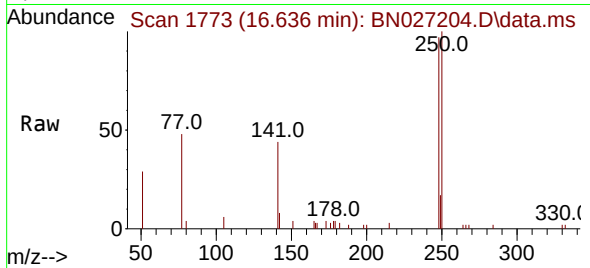
Tgt Ion:198 Resp: 136  
Ion Ratio Lower Upper  
198 100  
51 227.7 143.8 215.8#  
105 196.4 273.5 410.3#





#21  
4-Bromophenyl-phenylether  
Concen: 0.347 ng  
RT: 16.636 min Scan# 1776  
Delta R.T. 0.000 min  
Lab File: BN027204.D  
Acq: 28 Aug 2023 00:20

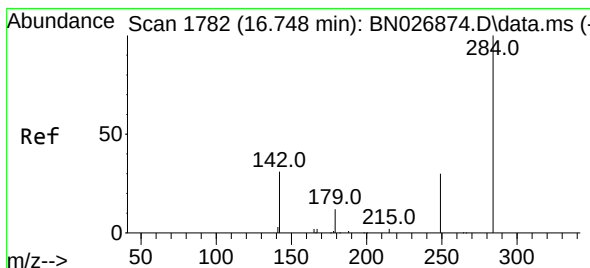
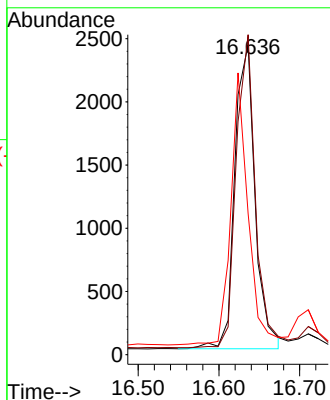
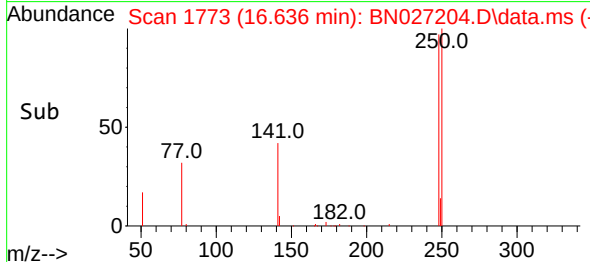
Instrument :  
BNA\_N  
ClientSampleId :  
TT180D-20230816MSD



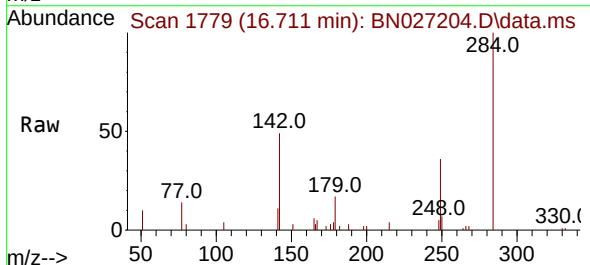
Tgt Ion:248 Resp: 4220  
Ion Ratio Lower Upper  
248 100  
250 103.3 83.0 124.4  
141 45.5 29.9 44.9

Manual Integrations  
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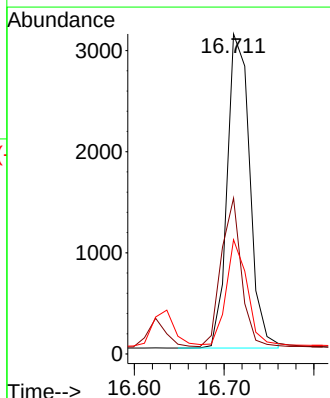
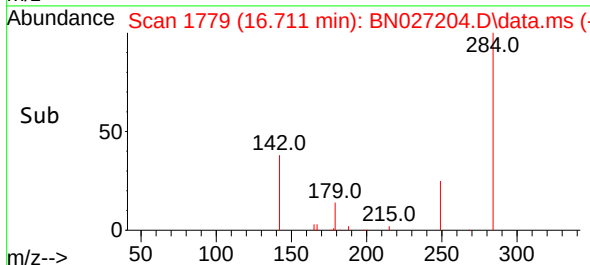
Reviewed By :Yogesh Patel 08/28/2023  
Supervised By :mohammad ahmed 08/28/2023

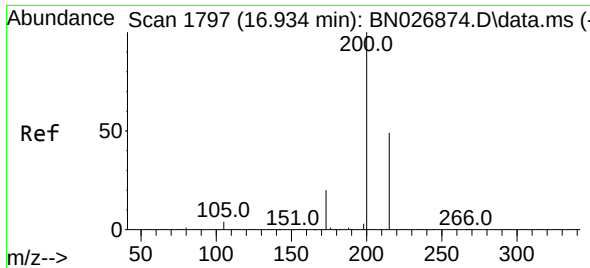


#22  
Hexachlorobenzene  
Concen: 0.418 ng  
RT: 16.711 min Scan# 1779  
Delta R.T. -0.012 min  
Lab File: BN027204.D  
Acq: 28 Aug 2023 00:20



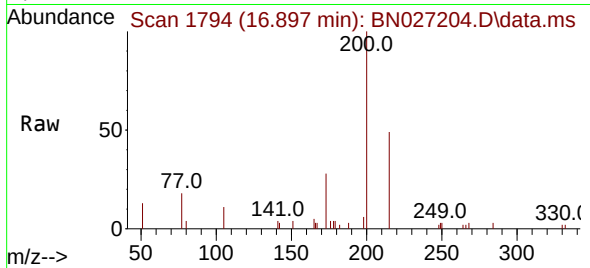
Tgt Ion:284 Resp: 5426  
Ion Ratio Lower Upper  
284 100  
142 42.4 30.0 45.0  
249 30.5 24.4 36.6





#23  
Atrazine  
Concen: 0.321 ng  
RT: 16.897 min Scan# 11  
Delta R.T. -0.012 min  
Lab File: BN027204.D  
Acq: 28 Aug 2023 00:20

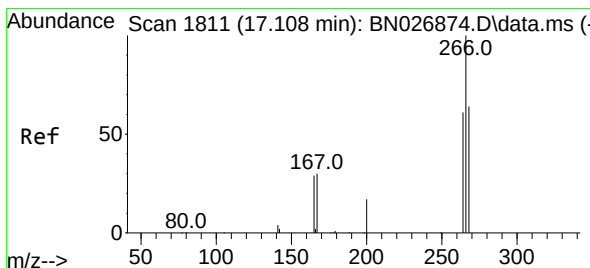
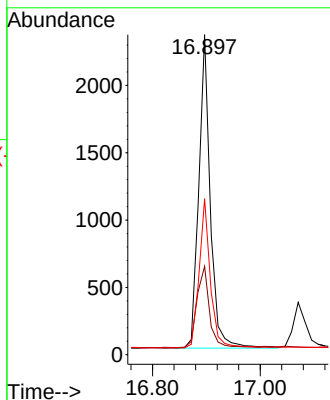
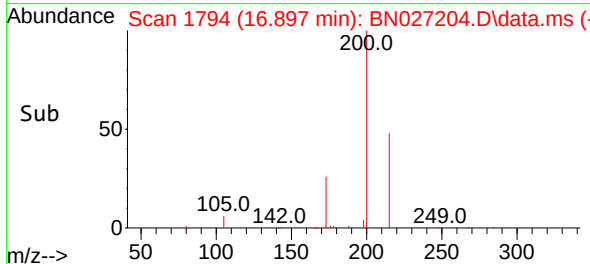
Instrument :  
BNA\_N  
ClientSampleId :  
TT180D-20230816MSD



Tgt Ion:200 Resp: 3470  
Ion Ratio Lower Upper  
200 100  
173 27.6 17.1 25.7  
215 48.8 39.6 59.4

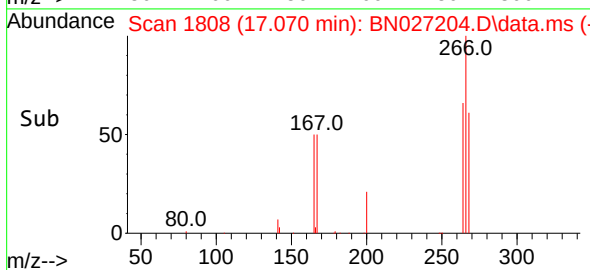
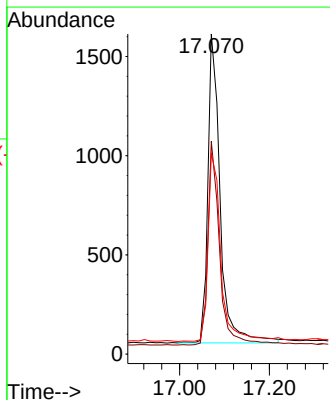
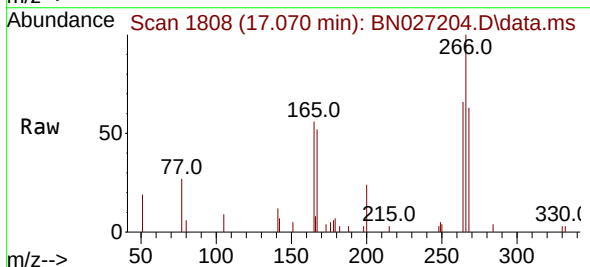
Manual Integrations  
APPROVED

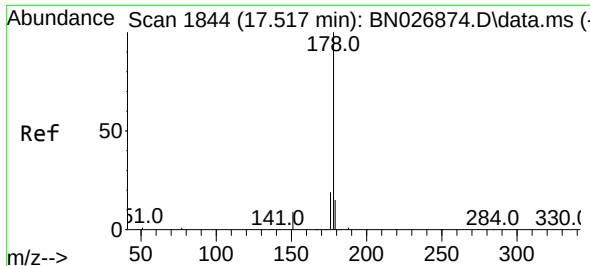
Reviewed By :Yogesh Patel 08/28/2023  
Supervised By :mohammad ahmed 08/28/2023



#24  
Pentachlorophenol  
Concen: 0.451 ng  
RT: 17.070 min Scan# 1808  
Delta R.T. -0.012 min  
Lab File: BN027204.D  
Acq: 28 Aug 2023 00:20

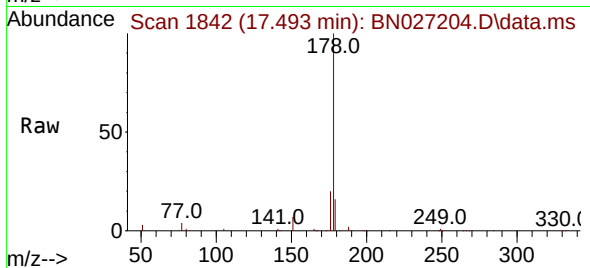
Tgt Ion:266 Resp: 2954  
Ion Ratio Lower Upper  
266 100  
264 62.6 49.7 74.5  
268 63.9 49.3 73.9





#25  
Phenanthrene  
Concen: 0.409 ng  
RT: 17.493 min Scan# 1842  
Delta R.T. 0.000 min  
Lab File: BN027204.D  
Acq: 28 Aug 2023 00:20

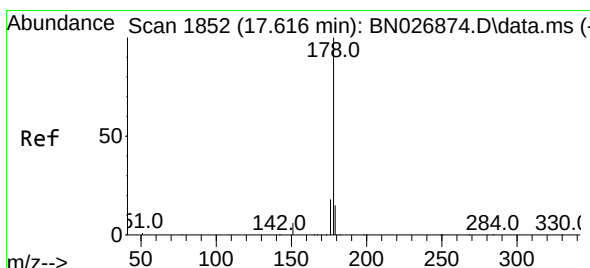
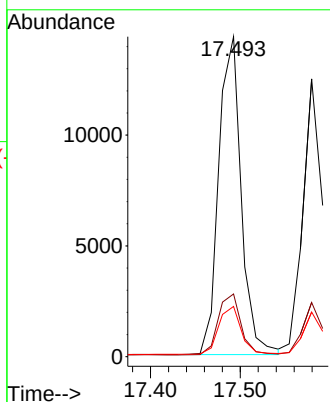
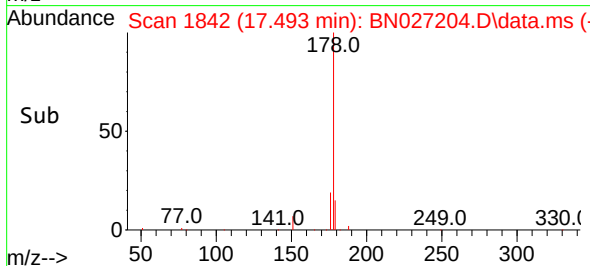
Instrument :  
BNA\_N  
ClientSampleId :  
TT180D-20230816MSD



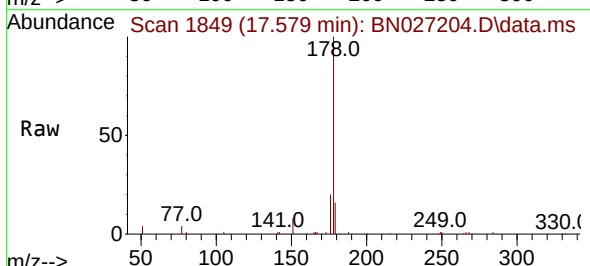
Tgt Ion:178 Resp: 2502  
Ion Ratio Lower Upper  
178 100  
176 19.4 15.3 22.9  
179 15.2 12.2 18.4

Manual Integrations  
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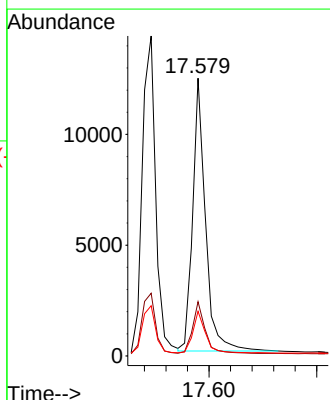
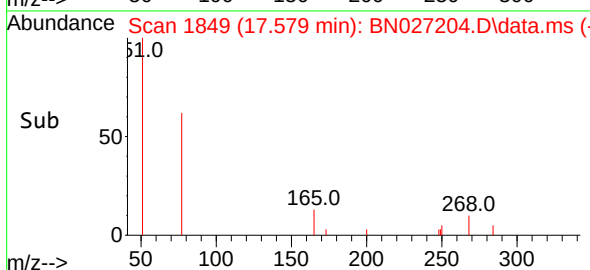
Reviewed By :Yogesh Patel 08/28/2023  
Supervised By :mohammad ahmed 08/28/2023

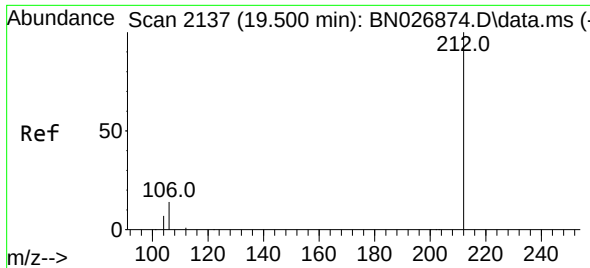


#26  
Anthracene  
Concen: 0.357 ng  
RT: 17.579 min Scan# 1849  
Delta R.T. -0.012 min  
Lab File: BN027204.D  
Acq: 28 Aug 2023 00:20



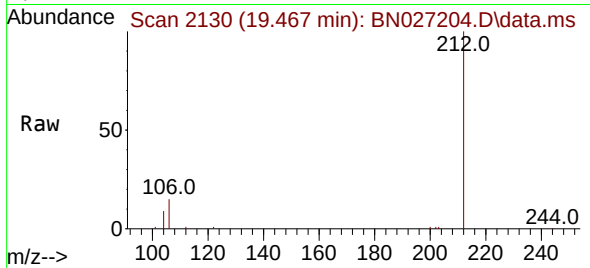
Tgt Ion:178 Resp: 20384  
Ion Ratio Lower Upper  
178 100  
176 18.5 14.8 22.2  
179 15.3 12.1 18.1





#27  
Fluoranthene-d10  
Concen: 0.351 ng  
RT: 19.467 min Scan# 2130  
Delta R.T. -0.009 min  
Lab File: BN027204.D  
Acq: 28 Aug 2023 00:20

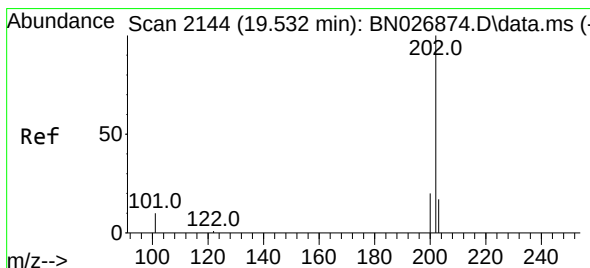
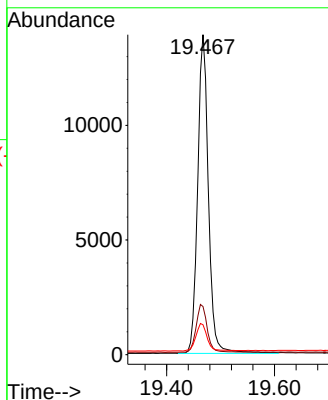
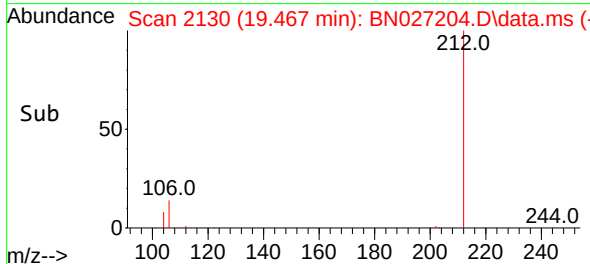
Instrument :  
BNA\_N  
ClientSampleId :  
TT180D-20230816MSD



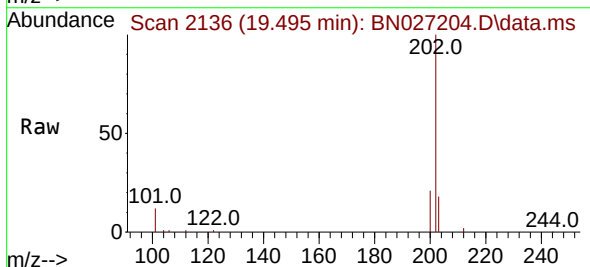
Tgt Ion:212 Resp: 19180  
Ion Ratio Lower Upper  
212 100  
106 15.7 10.9 16.3  
104 9.0 5.9 8.9

Manual Integrations  
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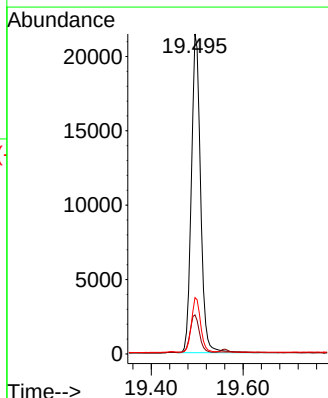
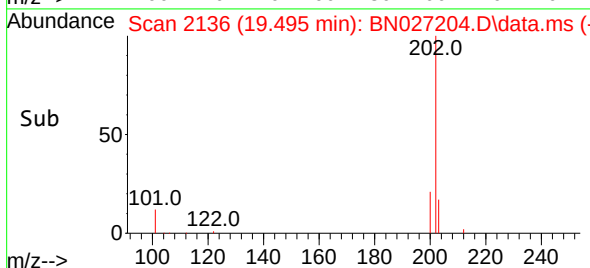
Reviewed By :Yogesh Patel 08/28/2023  
Supervised By :mohammad ahmed 08/28/2023



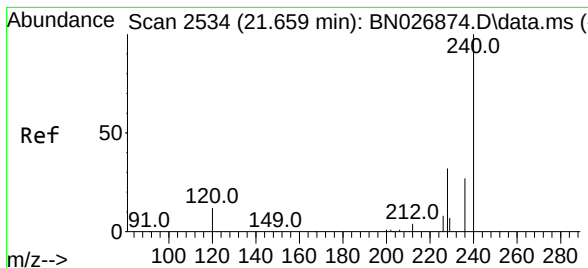
#28  
Fluoranthene  
Concen: 0.412 ng  
RT: 19.495 min Scan# 2136  
Delta R.T. -0.014 min  
Lab File: BN027204.D  
Acq: 28 Aug 2023 00:20



Tgt Ion:202 Resp: 29849  
Ion Ratio Lower Upper  
202 100  
101 11.9 8.9 13.3  
203 17.0 13.7 20.5







#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.623 min Scan# 21

Delta R.T. -0.009 min

Lab File: BN027204.D

Acq: 28 Aug 2023 00:20

Instrument :

BNA\_N

ClientSampleId :

TT180D-20230816MSD

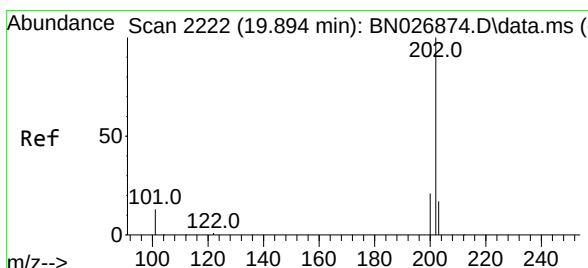
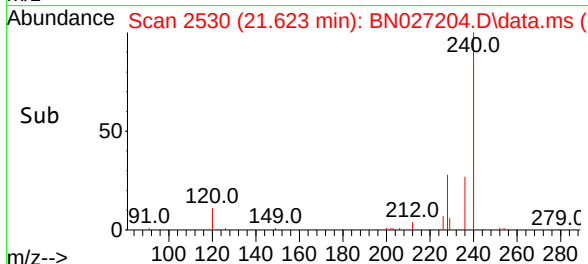
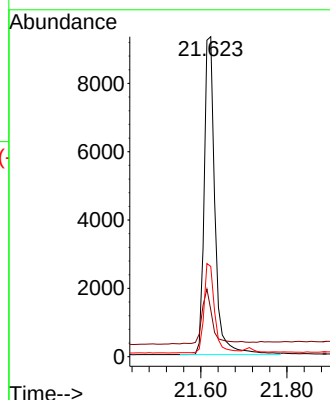
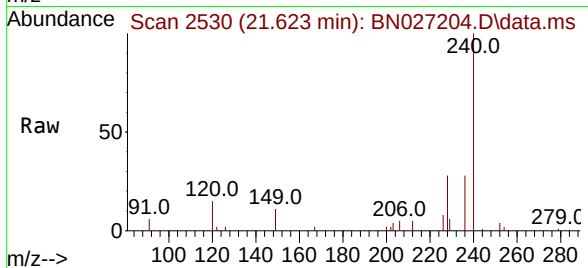
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:240 | Resp: | 1627      |
| Ion Ratio   | Lower | Upper     |
| 240         | 100   |           |
| 120         | 14.7  | 11.1 16.7 |
| 236         | 28.2  | 22.2 33.2 |

Manual Integrations

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Reviewed By :Yogesh Patel 08/28/2023

Supervised By :mohammad ahmed 08/28/2023



#30

Pyrene

Concen: 0.491 ng

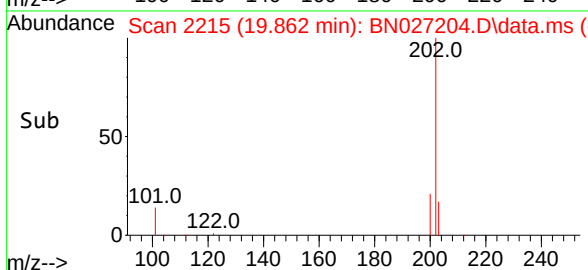
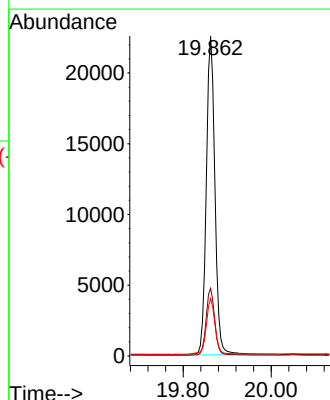
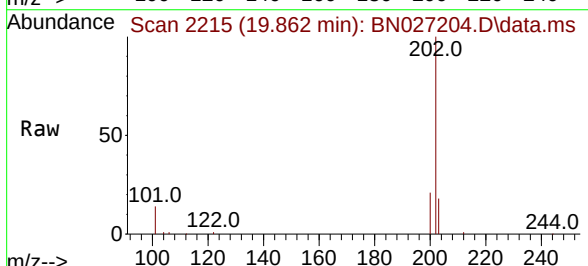
RT: 19.862 min Scan# 2215

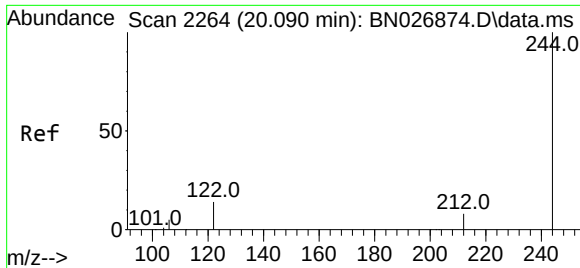
Delta R.T. -0.009 min

Lab File: BN027204.D

Acq: 28 Aug 2023 00:20

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:202 | Resp: | 30734     |
| Ion Ratio   | Lower | Upper     |
| 202         | 100   |           |
| 200         | 20.9  | 16.6 25.0 |
| 203         | 17.7  | 14.4 21.6 |





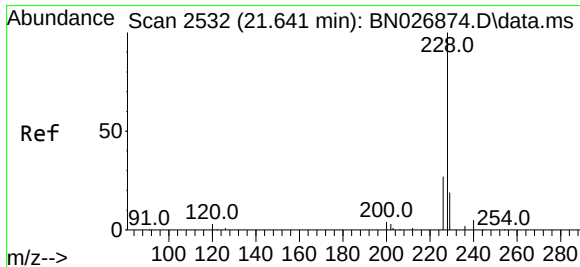
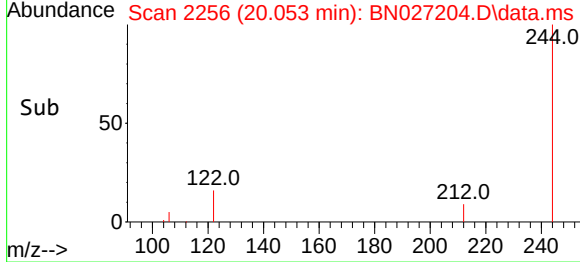
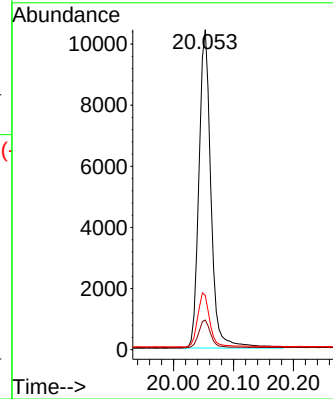
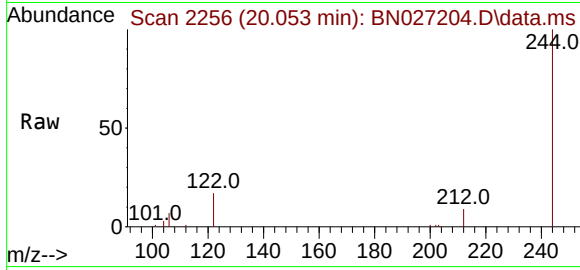
#31  
 Terphenyl-d14  
 Concen: 0.428 ng  
 RT: 20.053 min Scan# 21  
 Delta R.T. -0.009 min  
 Lab File: BN027204.D  
 Acq: 28 Aug 2023 00:20

Instrument :  
 BNA\_N  
 ClientSampleId :  
 TT180D-20230816MSD

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:244 | Resp: | 1454      |
| Ion Ratio   | Lower | Upper     |
| 244         | 100   |           |
| 212         | 9.3   | 6.9 10.3  |
| 122         | 16.9  | 11.9 17.9 |

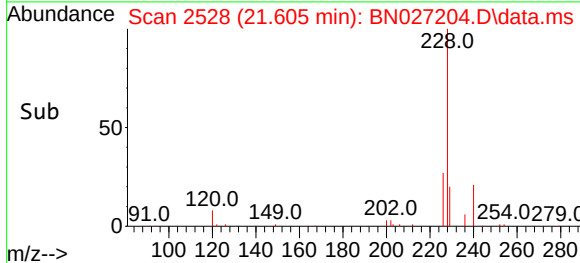
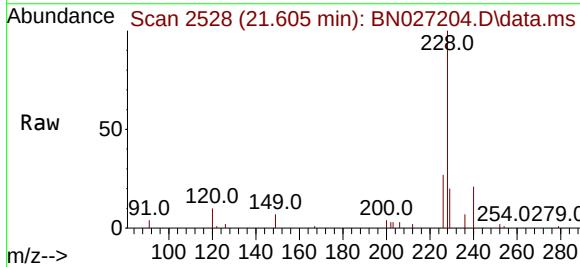
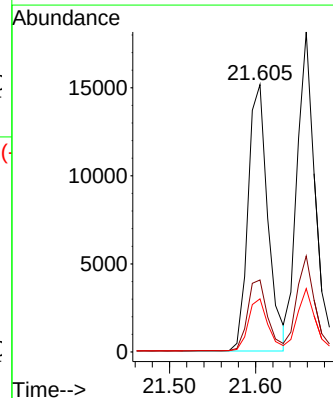
Manual Integrations  
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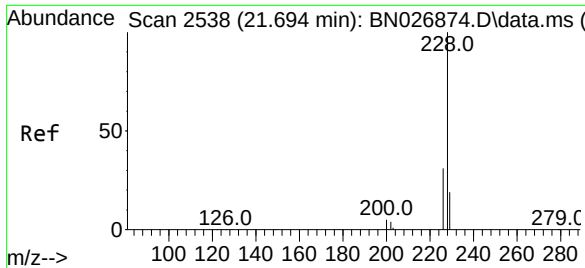
Reviewed By :Yogesh Patel 08/28/2023  
 Supervised By :mohammad ahmed 08/28/2023



#32  
 Benzo(a)anthracene  
 Concen: 0.412 ng  
 RT: 21.605 min Scan# 2528  
 Delta R.T. -0.009 min  
 Lab File: BN027204.D  
 Acq: 28 Aug 2023 00:20

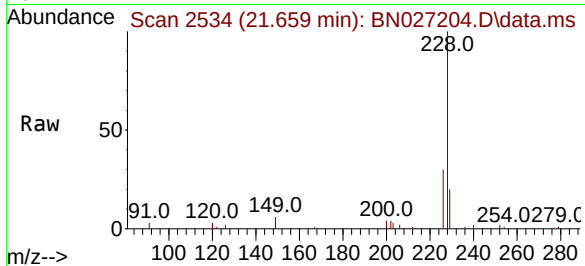
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:228 | Resp: | 24213     |
| Ion Ratio   | Lower | Upper     |
| 228         | 100   |           |
| 226         | 26.9  | 22.1 33.1 |
| 229         | 19.9  | 15.5 23.3 |





#33  
Chrysene  
Concen: 0.445 ng  
RT: 21.659 min Scan# 211  
Delta R.T. -0.009 min  
Lab File: BN027204.D  
Acq: 28 Aug 2023 00:20

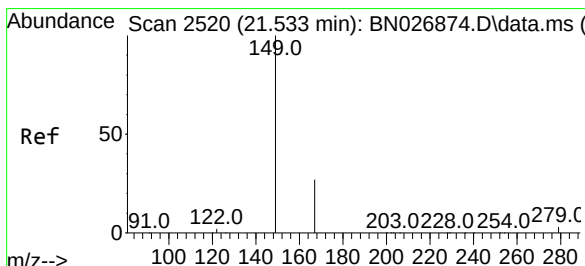
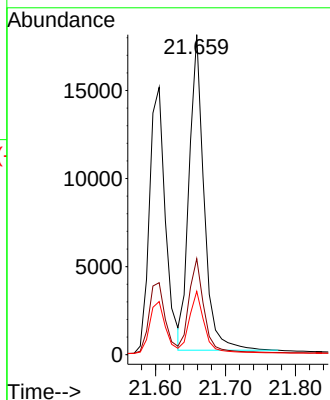
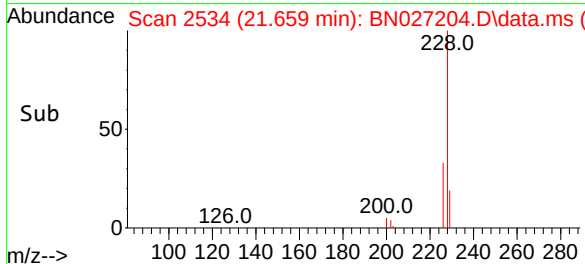
Instrument :  
BNA\_N  
ClientSampleId :  
TT180D-20230816MSD



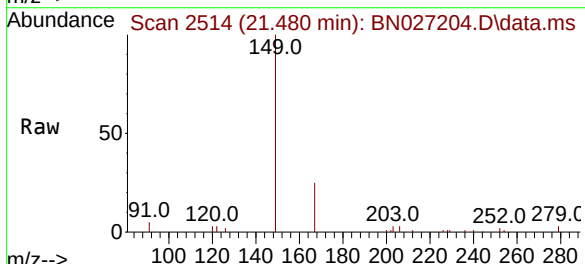
Tgt Ion:228 Resp: 2635  
Ion Ratio Lower Upper  
228 100  
226 30.0 24.6 37.0  
229 19.8 15.5 23.3

Manual Integrations  
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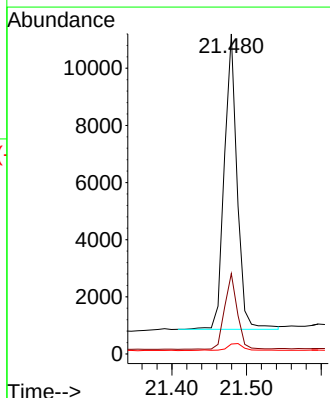
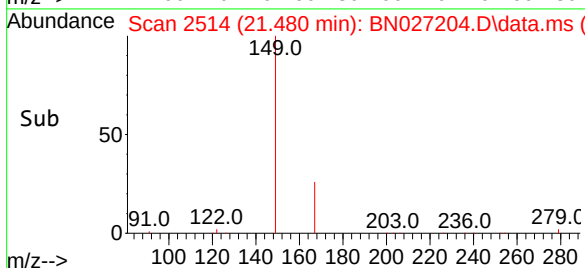
Reviewed By :Yogesh Patel 08/28/2023  
Supervised By :mohammad ahmed 08/28/2023

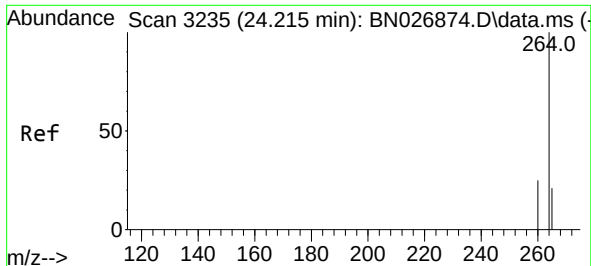


#34  
Bis(2-ethylhexyl)phthalate  
Concen: 0.294 ng  
RT: 21.480 min Scan# 2514  
Delta R.T. -0.018 min  
Lab File: BN027204.D  
Acq: 28 Aug 2023 00:20



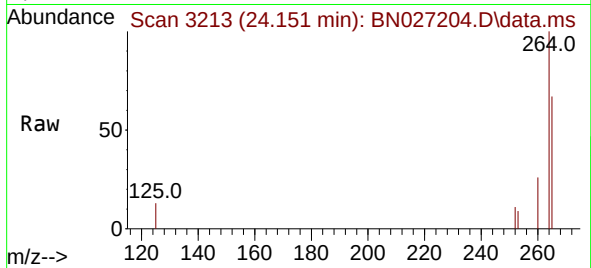
Tgt Ion:149 Resp: 12428  
Ion Ratio Lower Upper  
149 100  
167 25.0 21.4 32.0  
279 3.2 3.6 5.4





#35  
Perylene-d12  
Concen: 0.400 ng  
RT: 24.151 min Scan# 31  
Delta R.T. -0.020 min  
Lab File: BN027204.D  
Acq: 28 Aug 2023 00:20

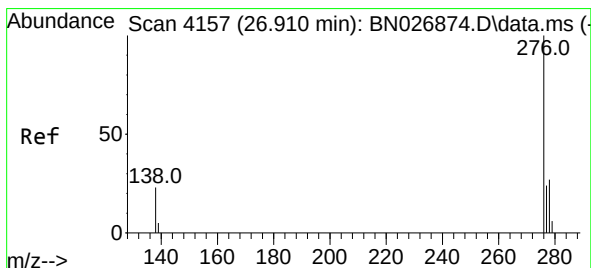
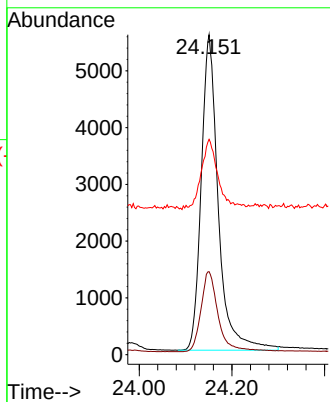
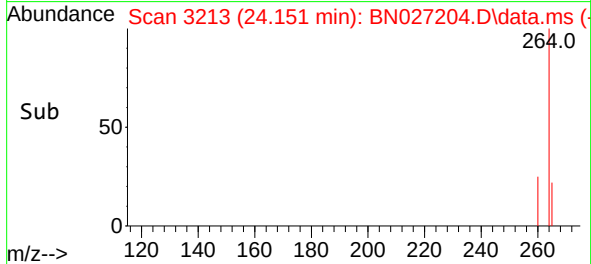
Instrument :  
BNA\_N  
ClientSampleId :  
TT180D-20230816MSD



Tgt Ion:264 Resp: 1417  
Ion Ratio Lower Upper  
264 100  
260 26.0 20.4 30.6  
265 67.3 27.0 40.6

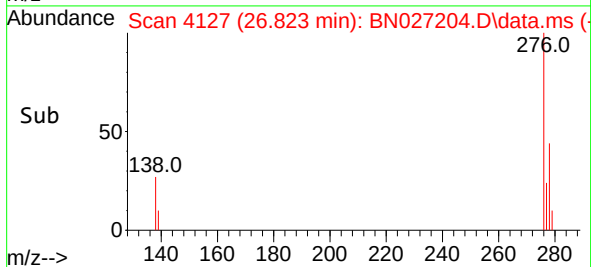
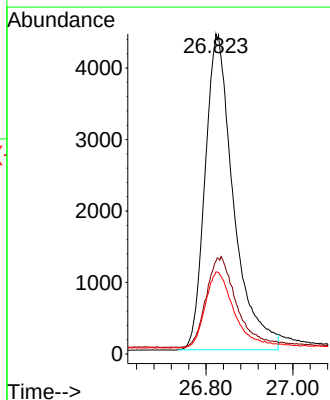
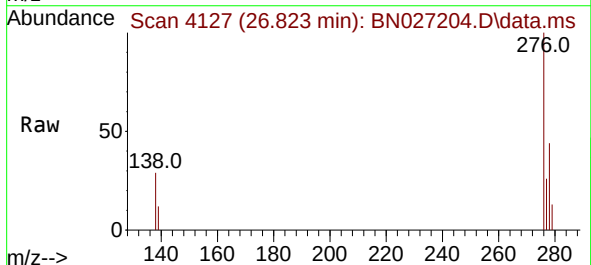
Manual Integrations  
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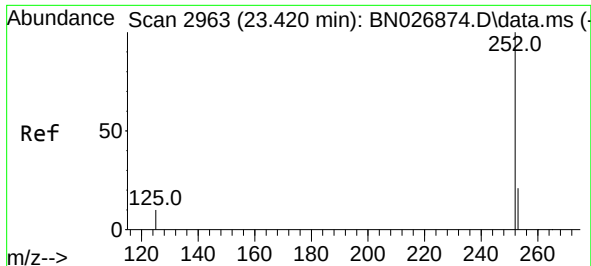
Reviewed By :Yogesh Patel 08/28/2023  
Supervised By :mohammad ahmed 08/28/2023



#36  
Indeno(1,2,3-cd)pyrene  
Concen: 0.346 ng  
RT: 26.823 min Scan# 4127  
Delta R.T. -0.029 min  
Lab File: BN027204.D  
Acq: 28 Aug 2023 00:20

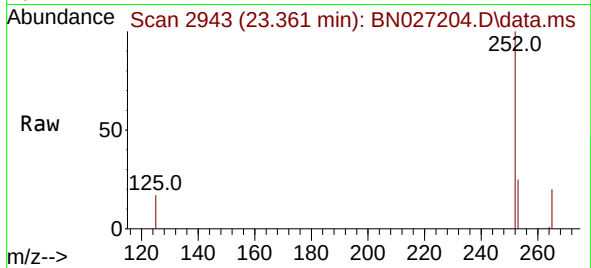
Tgt Ion:276 Resp: 20060  
Ion Ratio Lower Upper  
276 100  
138 13.8 21.1 31.7#  
277 24.2 19.9 29.9





#37  
Benzo(b)fluoranthene  
Concen: 0.509 ng  
RT: 23.361 min Scan# 2961  
Delta R.T. -0.017 min  
Lab File: BN027204.D  
Acq: 28 Aug 2023 00:20

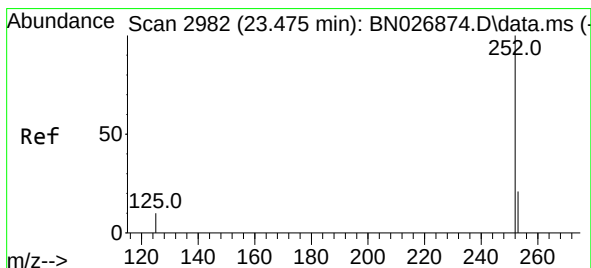
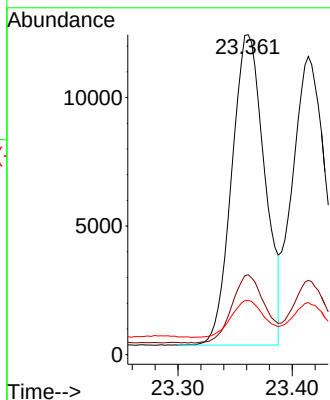
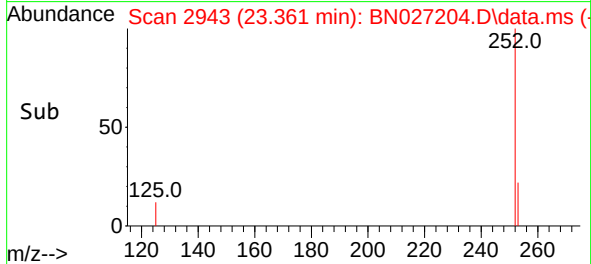
Instrument :  
BNA\_N  
ClientSampleId :  
TT180D-20230816MSD



Tgt Ion:252 Resp: 24149  
Ion Ratio Lower Upper  
252 100  
253 25.0 18.4 27.6  
125 16.9 10.2 15.2

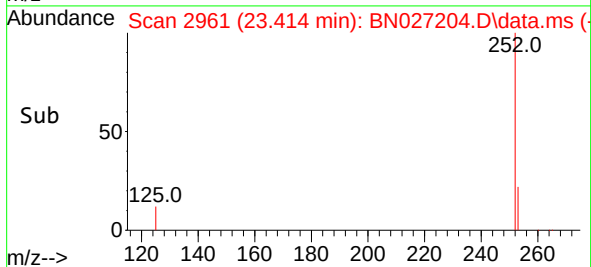
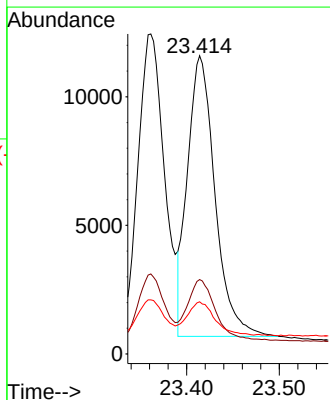
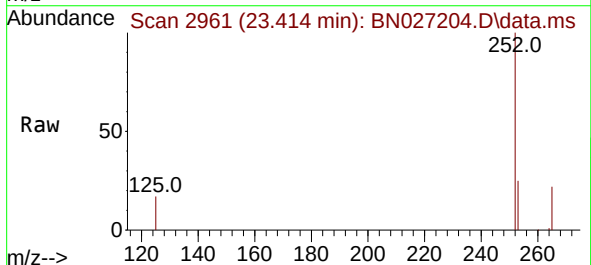
Manual Integrations  
APPROVED

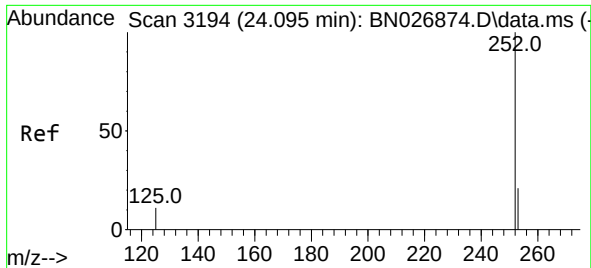
Reviewed By :Yogesh Patel 08/28/2023  
Supervised By :mohammad ahmed 08/28/2023



#38  
Benzo(k)fluoranthene  
Concen: 0.462 ng  
RT: 23.414 min Scan# 2961  
Delta R.T. -0.017 min  
Lab File: BN027204.D  
Acq: 28 Aug 2023 00:20

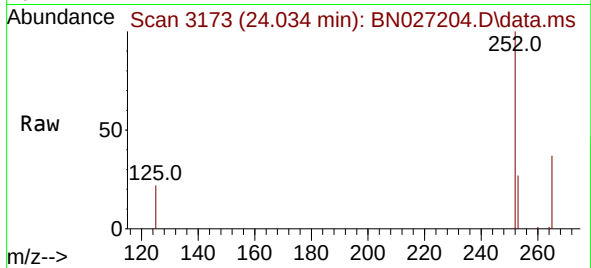
Tgt Ion:252 Resp: 22515  
Ion Ratio Lower Upper  
252 100  
253 24.9 18.4 27.6  
125 17.5 10.2 15.2





#39  
Benzo(a)pyrene  
Concen: 0.376 ng  
RT: 24.034 min Scan# 3194  
Delta R.T. -0.023 min  
Lab File: BN027204.D  
Acq: 28 Aug 2023 00:20

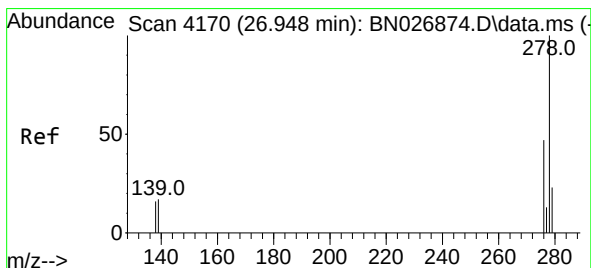
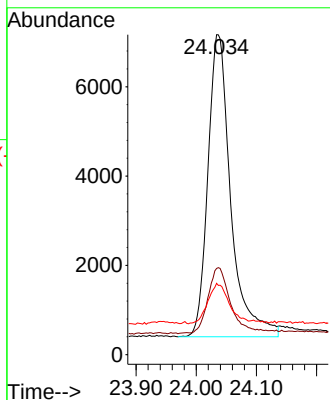
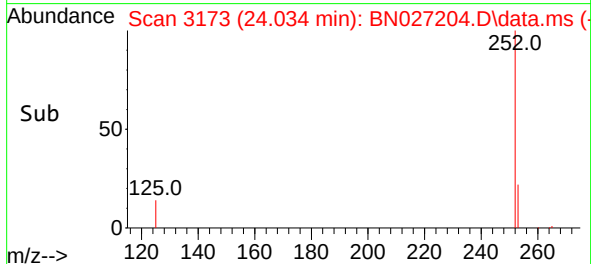
Instrument :  
BNA\_N  
ClientSampleId :  
TT180D-20230816MSD



Tgt Ion:252 Resp: 1788  
Ion Ratio Lower Upper  
252 100  
253 27.0 18.6 28.0  
125 22.3 11.7 17.5

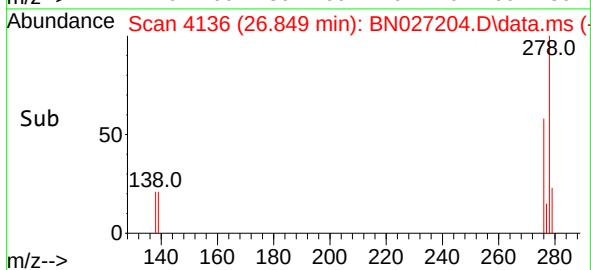
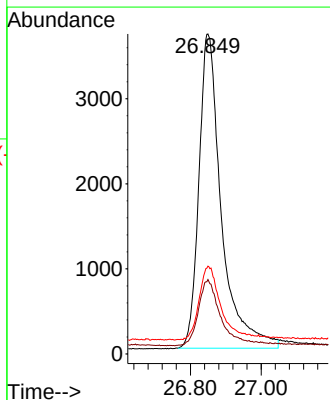
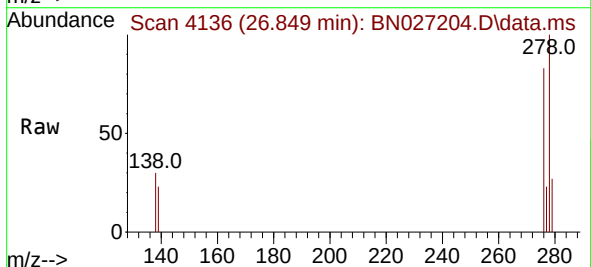
Manual Integrations  
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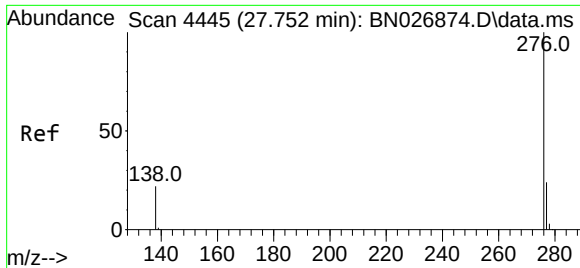
Reviewed By :Yogesh Patel 08/28/2023  
Supervised By :mohammad ahmed 08/28/2023



#40  
Dibenzo(a,h)anthracene  
Concen: 0.353 ng  
RT: 26.849 min Scan# 4136  
Delta R.T. -0.032 min  
Lab File: BN027204.D  
Acq: 28 Aug 2023 00:20

Tgt Ion:278 Resp: 16331  
Ion Ratio Lower Upper  
278 100  
139 23.3 15.3 22.9#  
279 27.5 19.9 29.9





#41

Benzo(g,h,i)perylene

Concen: 0.373 ng

RT: 27.653 min Scan# 44

Delta R.T. -0.035 min

Lab File: BN027204.D

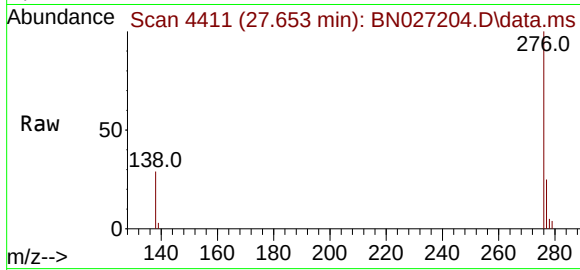
Acq: 28 Aug 2023 00:20

Instrument :

BNA\_N

ClientSampleId :

TT180D-20230816MSD



Tgt Ion:276 Resp: 18549

Ion Ratio Lower Upper

276 100

277 25.2 19.8 29.8

138 28.6 19.0 28.4

Manual Integrations

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Reviewed By :Yogesh Patel 08/28/2023

Supervised By :mohammad ahmed 08/28/2023

