

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN082823\  
 Data File : BN027213.D  
 Acq On : 28 Aug 2023 12:29  
 Operator : MA/JU  
 Sample : 04024-18MSD  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 TT14911-20230815MSD

Quant Time: Aug 29 03:23:47 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN081123.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Aug 29 03:21:06 2023  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/29/2023  
 Supervised By :mohammad ahmed 08/29/2023

| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.073  | 152  | 7488     | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.896 | 136  | 18687    | 0.400 | ng    | # 0.00   |
| 13) Acenaphthene-d10          | 14.694 | 164  | 10565    | 0.400 | ng    | 0.00     |
| 19) Phenanthrene-d10          | 17.443 | 188  | 23498    | 0.400 | ng    | #-0.01   |
| 29) Chrysene-d12              | 21.623 | 240  | 18079    | 0.400 | ng    | # 0.00   |
| 35) Perylene-d12              | 24.157 | 264  | 16331    | 0.400 | ng    | # 0.00   |
|                               |        |      |          |       |       |          |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.596  | 112  | 1754     | 0.083 | ng    | 0.00     |
| 5) Phenol-d6                  | 7.214  | 99   | 1251     | 0.048 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 9.262  | 82   | 3331     | 0.211 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10   | 12.472 | 152  | 8521m    | 0.287 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 16.189 | 330  | 903      | 0.161 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl          | 13.326 | 172  | 10668    | 0.272 | ng    | 0.00     |
| 27) Fluoranthene-d10          | 19.467 | 212  | 18245    | 0.303 | ng    | 0.00     |
| 31) Terphenyl-d14             | 20.053 | 244  | 19158    | 0.507 | ng    | 0.00     |
|                               |        |      |          |       |       |          |
| Target Compounds              |        |      |          |       |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.458  | 88   | 8212     | 1.020 | ng    | # 92     |
| 3) n-Nitrosodimethylamine     | 3.805  | 42   | 1044     | 0.116 | ng    | # 90     |
| 6) bis(2-Chloroethyl)ether    | 7.503  | 93   | 5319     | 0.243 | ng    | 95       |
| 9) Naphthalene                | 10.949 | 128  | 12460    | 0.253 | ng    | 99       |
| 10) Hexachlorobutadiene       | 11.184 | 225  | 2350     | 0.234 | ng    | # 99     |
| 12) 2-Methylnaphthalene       | 12.544 | 142  | 8390     | 0.218 | ng    | 99       |
| 16) Acenaphthylene            | 14.427 | 152  | 12532    | 0.249 | ng    | 100      |
| 17) Acenaphthene              | 14.758 | 154  | 7794     | 0.250 | ng    | 96       |
| 18) Fluorene                  | 15.742 | 166  | 10880    | 0.260 | ng    | 98       |
| 20) 4,6-Dinitro-2-methylph... | 16.897 | 198  | 119      | 0.323 | ng    | # 42     |
| 21) 4-Bromophenyl-phenylether | 16.636 | 248  | 3140     | 0.234 | ng    | # 92     |
| 22) Hexachlorobenzene         | 16.711 | 284  | 4038     | 0.282 | ng    | 97       |
| 23) Atrazine                  | 16.897 | 200  | 2665     | 0.223 | ng    | # 95     |
| 24) Pentachlorophenol         | 17.071 | 266  | 1923     | 0.266 | ng    | 99       |
| 25) Phenanthrene              | 17.493 | 178  | 20223    | 0.299 | ng    | 100      |
| 26) Anthracene                | 17.579 | 178  | 15984    | 0.254 | ng    | 100      |
| 28) Fluoranthene              | 19.500 | 202  | 25087    | 0.314 | ng    | # 96     |
| 30) Pyrene                    | 19.862 | 202  | 25561    | 0.367 | ng    | 100      |
| 32) Benzo(a)anthracene        | 21.605 | 228  | 20394    | 0.313 | ng    | 100      |
| 33) Chrysene                  | 21.659 | 228  | 21824    | 0.331 | ng    | 100      |
| 34) Bis(2-ethylhexyl)phtha... | 21.489 | 149  | 10063    | 0.214 | ng    | # 98     |
| 36) Indeno(1,2,3-cd)pyrene    | 26.835 | 276  | 18861m   | 0.282 | ng    |          |
| 37) Benzo(b)fluoranthene      | 23.370 | 252  | 21874    | 0.400 | ng    | # 93     |
| 38) Benzo(k)fluoranthene      | 23.423 | 252  | 19718    | 0.351 | ng    | # 92     |
| 39) Benzo(a)pyrene            | 24.043 | 252  | 17565    | 0.321 | ng    | # 87     |
| 40) Dibenzo(a,h)anthracene    | 26.861 | 278  | 14084    | 0.265 | ng    | 94       |
| 41) Benzo(g,h,i)perylene      | 27.668 | 276  | 16303    | 0.285 | ng    | # 94     |
| -----                         |        |      |          |       |       |          |

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

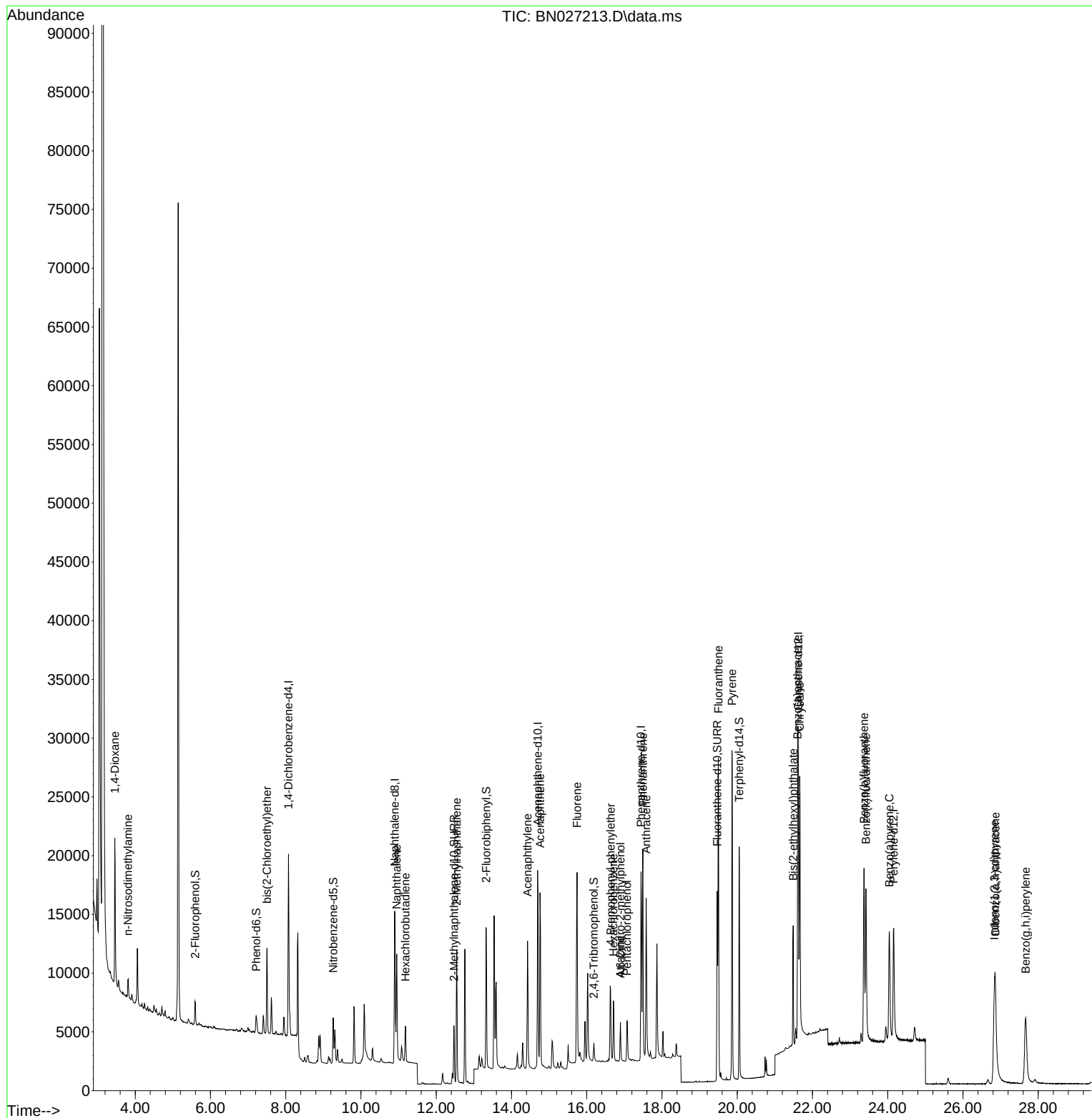
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN082823\  
Data File : BN027213.D  
Acq On : 28 Aug 2023 12:29  
Operator : MA/JU  
Sample : 04024-18MSD  
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ALS Vial : 6 Sample Multiplier: 1

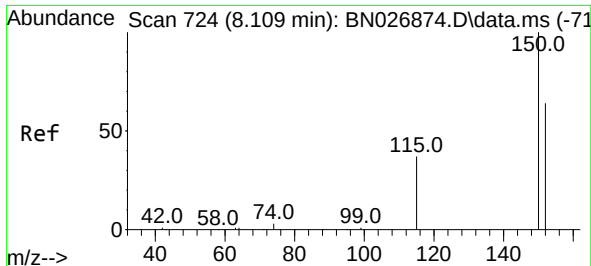
Instrument :  
BNA\_N  
ClientSampleId :  
TT14911-20230815MSD

Quant Time: Aug 29 03:23:47 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN081123.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Aug 29 03:21:06 2023  
Response via : Initial Calibration

Manual Integrations  
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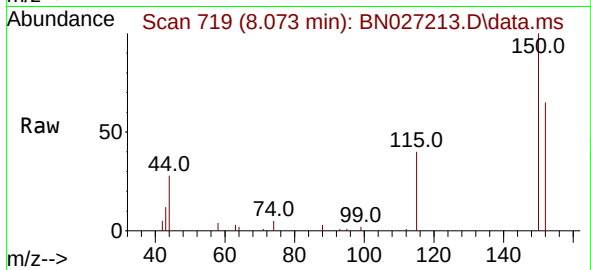
Reviewed By :Yogesh Patel 08/29/2023  
Supervised By :mohammad ahmed 08/29/2023





#1  
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 8.073 min Scan# 719  
Delta R.T. 0.000 min  
Lab File: BN027213.D  
Acq: 28 Aug 2023 12:29

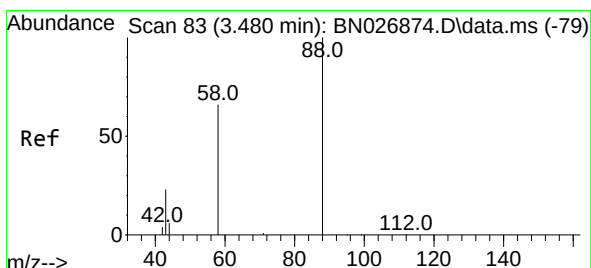
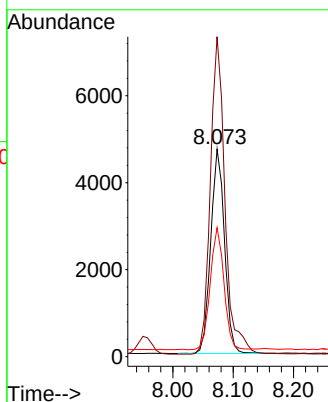
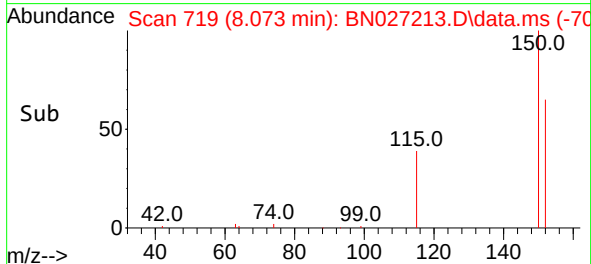
Instrument :  
BNA\_N  
ClientSampleId :  
TT14911-20230815MSD



Tgt Ion:152 Resp: 7488  
Ion Ratio Lower Upper  
152 100  
150 154.2 123.8 185.6  
115 62.1 49.7 74.5

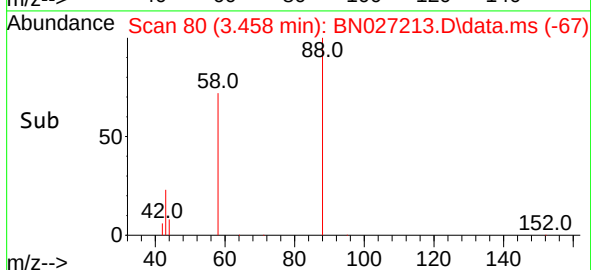
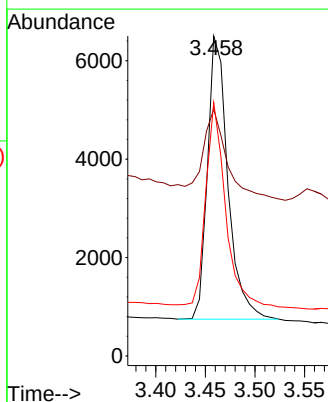
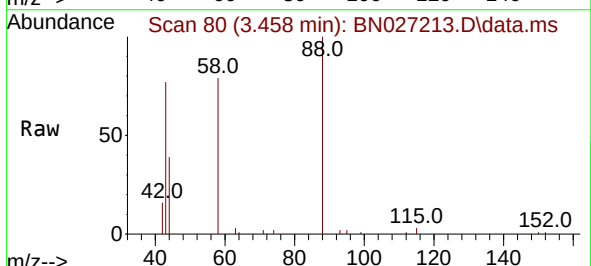
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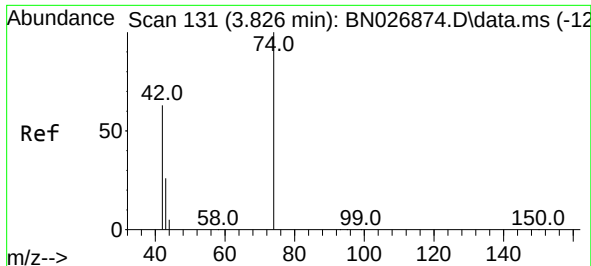
Reviewed By :Yogesh Patel 08/29/2023  
Supervised By :mohammad ahmed 08/29/2023



#2  
1,4-Dioxane  
Concen: 1.020 ng  
RT: 3.458 min Scan# 80  
Delta R.T. -0.007 min  
Lab File: BN027213.D  
Acq: 28 Aug 2023 12:29

Tgt Ion: 88 Resp: 8212  
Ion Ratio Lower Upper  
88 100  
43 36.7 19.2 28.8#  
58 69.9 54.5 81.7





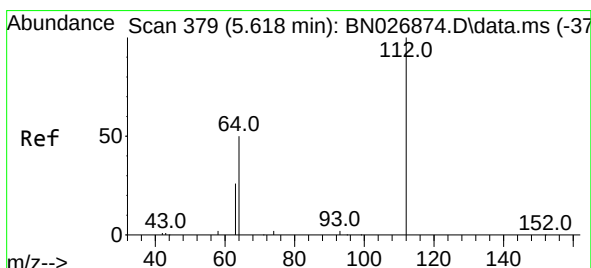
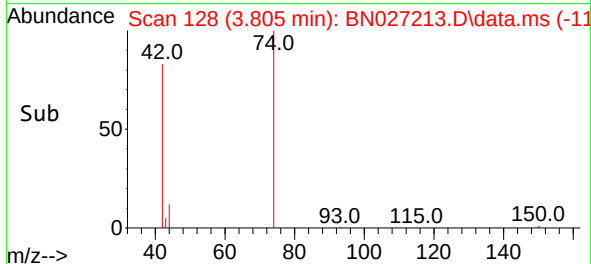
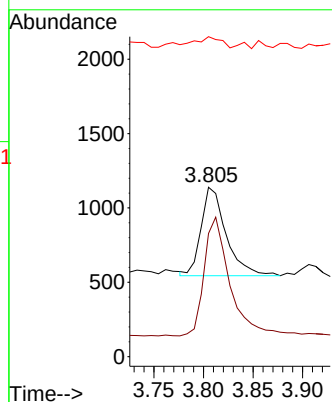
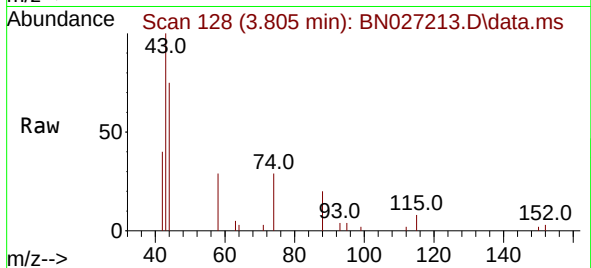
#3  
n-Nitrosodimethylamine  
Concen: 0.116 ng  
RT: 3.805 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BN027213.D  
Acq: 28 Aug 2023 12:29

Instrument :  
BNA\_N  
ClientSampleId :  
TT14911-20230815MSD

Tgt Ion: 42 Resp: 1044  
Ion Ratio Lower Upper  
42 100  
74 136.8 119.4 179.2  
44 14.9 8.7 13.1

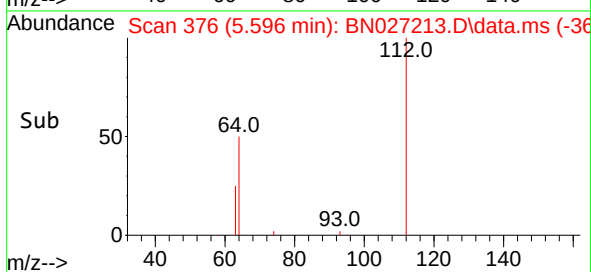
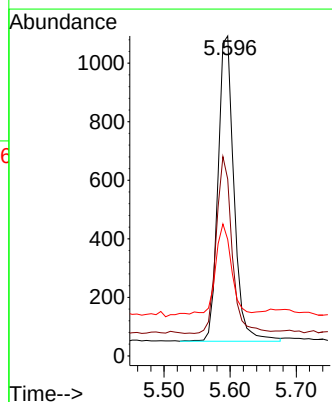
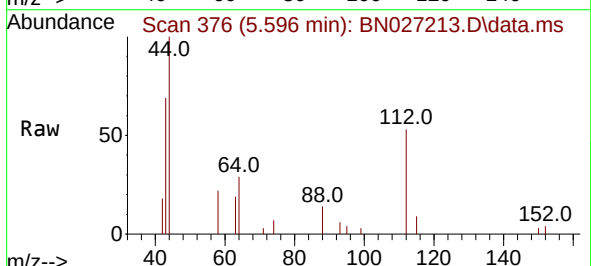
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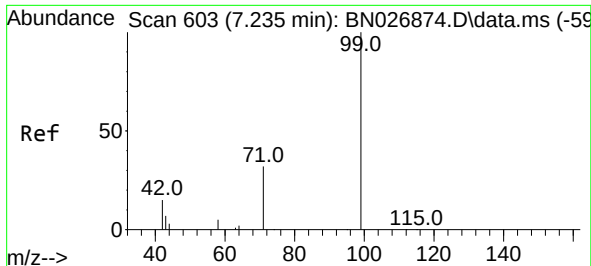
Reviewed By :Yogesh Patel 08/29/2023  
Supervised By :mohammad ahmed 08/29/2023



#4  
2-Fluorophenol  
Concen: 0.083 ng  
RT: 5.596 min Scan# 376  
Delta R.T. 0.007 min  
Lab File: BN027213.D  
Acq: 28 Aug 2023 12:29

Tgt Ion:112 Resp: 1754  
Ion Ratio Lower Upper  
112 100  
64 56.9 41.5 62.3  
63 29.4 21.7 32.5





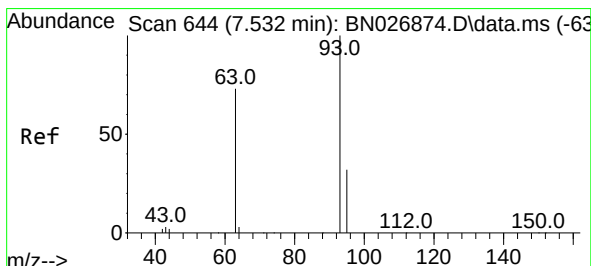
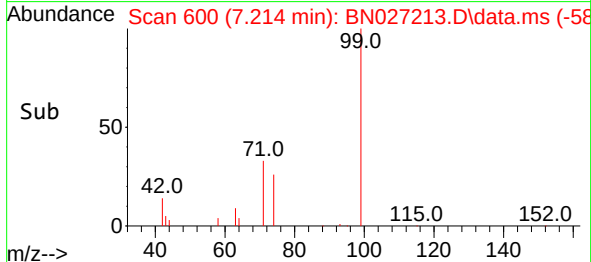
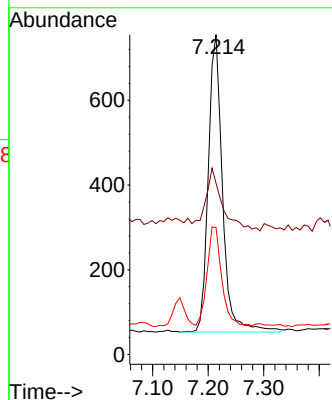
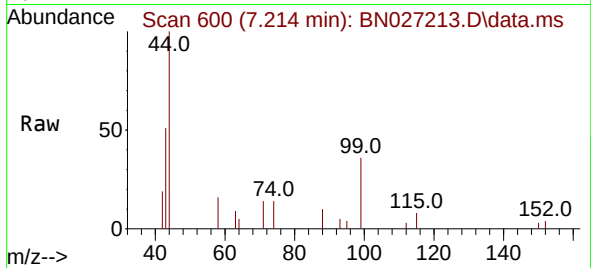
#5  
Phenol-d6  
Concen: 0.048 ng  
RT: 7.214 min Scan# 603  
Delta R.T. 0.007 min  
Lab File: BN027213.D  
Acq: 28 Aug 2023 12:29

Instrument :  
BNA\_N  
ClientSampleId :  
TT14911-20230815MSD

Tgt Ion: 99 Resp: 125  
Ion Ratio Lower Upper  
99 100  
42 24.9 13.6 20.4  
71 33.8 26.0 39.0

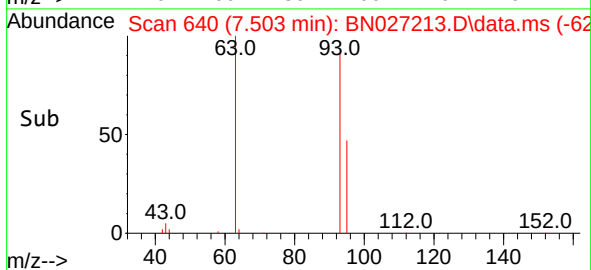
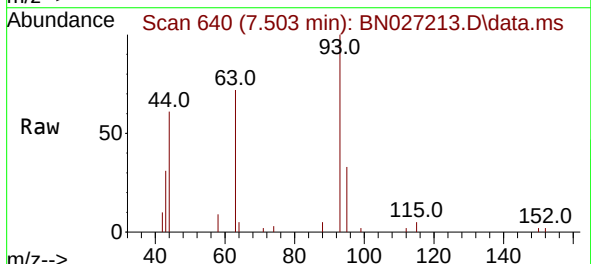
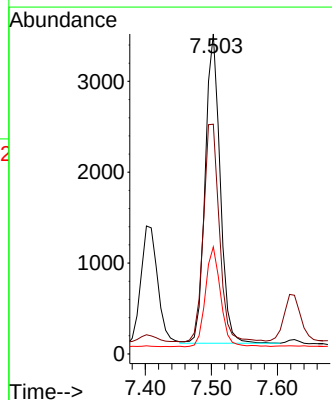
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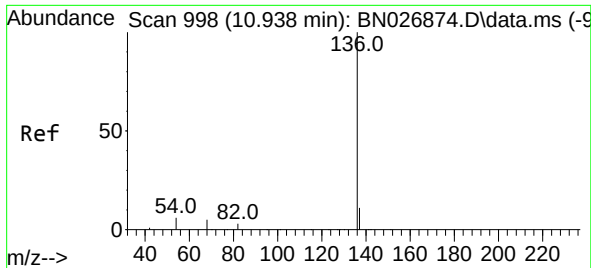
Reviewed By :Yogesh Patel 08/29/2023  
Supervised By :mohammad ahmed 08/29/2023



#6  
bis(2-Chloroethyl)ether  
Concen: 0.243 ng  
RT: 7.503 min Scan# 640  
Delta R.T. 0.000 min  
Lab File: BN027213.D  
Acq: 28 Aug 2023 12:29

Tgt Ion: 93 Resp: 5319  
Ion Ratio Lower Upper  
93 100  
63 75.2 55.0 82.4  
95 32.8 26.2 39.2





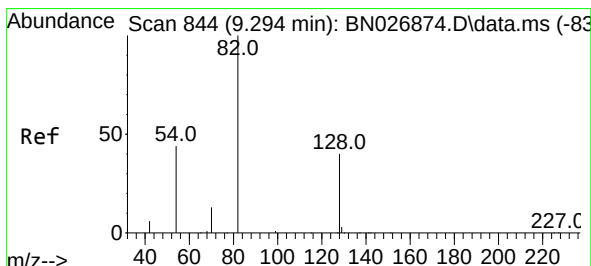
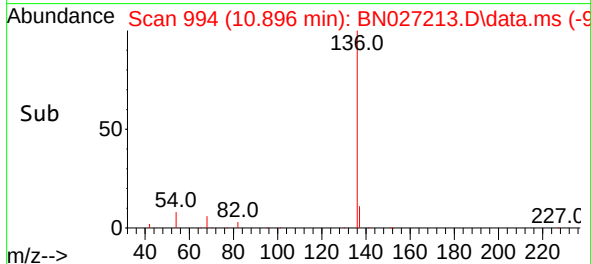
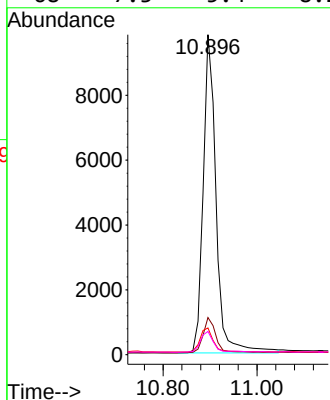
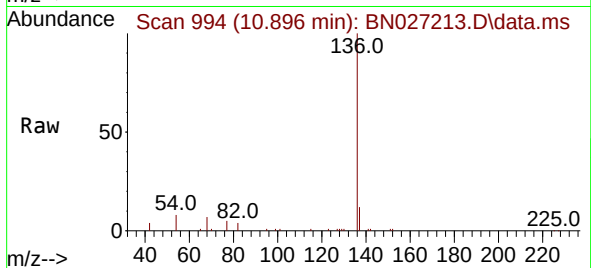
#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.896 min Scan# 998  
Delta R.T. 0.000 min  
Lab File: BN027213.D  
Acq: 28 Aug 2023 12:29

Instrument :  
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ClientSampleId :  
TT14911-20230815MSD

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 136   | Resp: | 1868 |
| Ion Ratio | Lower | Upper |      |
| 136       | 100   |       |      |
| 137       | 11.6  | 9.0   | 13.6 |
| 54        | 8.3   | 5.5   | 8.3  |
| 68        | 7.3   | 5.4   | 8.2  |

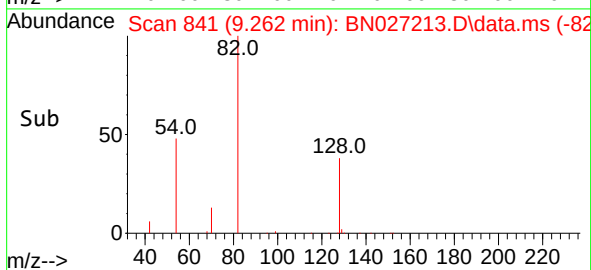
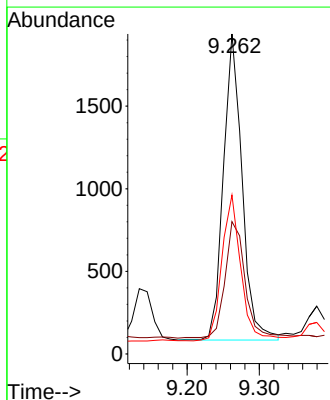
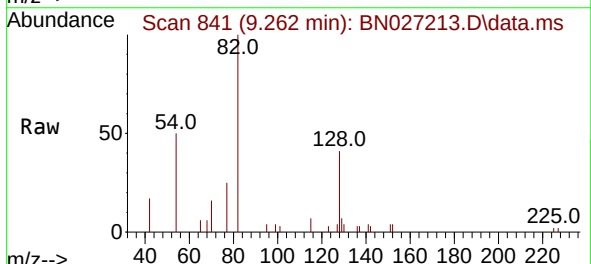
Manual Integrations  
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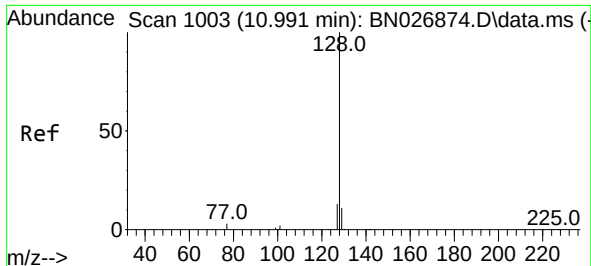
Reviewed By :Yogesh Patel 08/29/2023  
Supervised By :mohammad ahmed 08/29/2023



#8  
Nitrobenzene-d5  
Concen: 0.211 ng  
RT: 9.262 min Scan# 841  
Delta R.T. 0.000 min  
Lab File: BN027213.D  
Acq: 28 Aug 2023 12:29

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 82    | Resp: | 3331 |
| Ion Ratio | Lower | Upper |      |
| 82        | 100   |       |      |
| 128       | 41.4  | 34.1  | 51.1 |
| 54        | 49.7  | 37.0  | 55.4 |





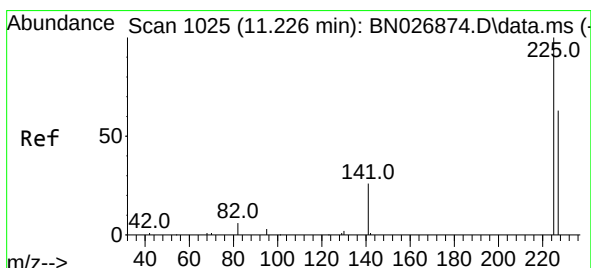
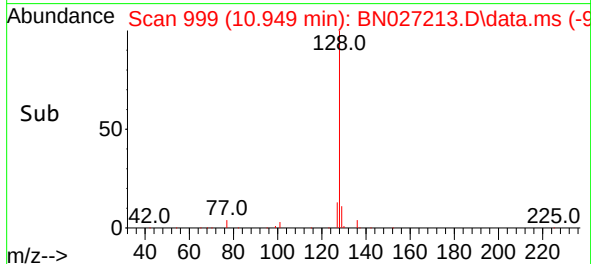
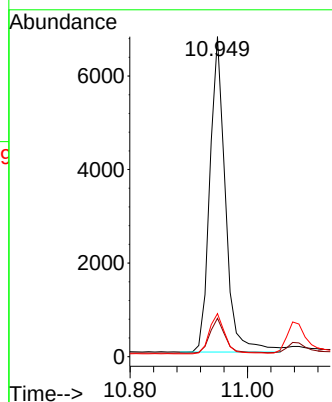
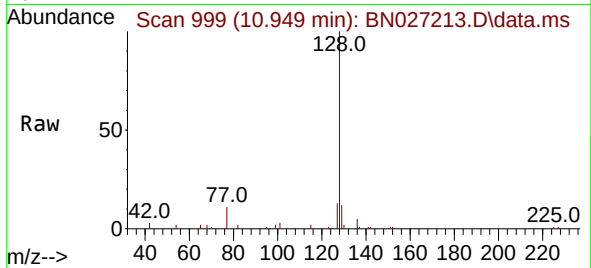
#9  
Naphthalene  
Concen: 0.253 ng  
RT: 10.949 min Scan# 999  
Delta R.T. 0.000 min  
Lab File: BN027213.D  
Acq: 28 Aug 2023 12:29

Instrument :  
BNA\_N  
ClientSampleId :  
TT14911-20230815MSD

Tgt Ion:128 Resp: 12460  
Ion Ratio Lower Upper  
128 100  
129 12.0 9.4 14.0  
127 13.5 10.6 16.0

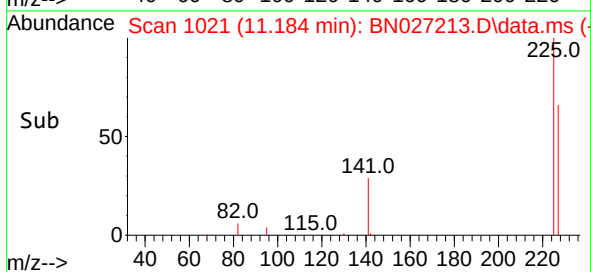
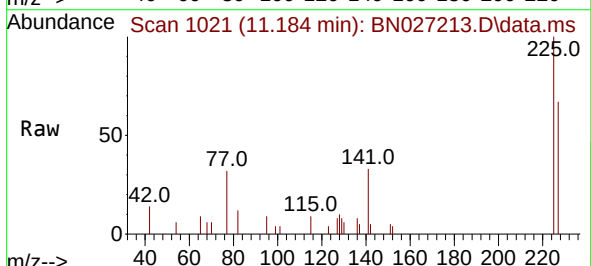
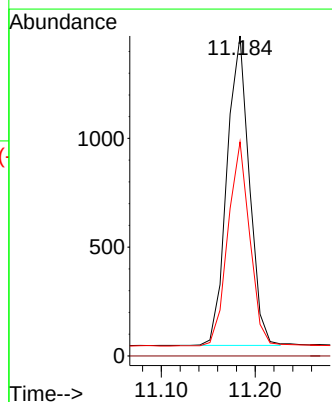
Manual Integrations  
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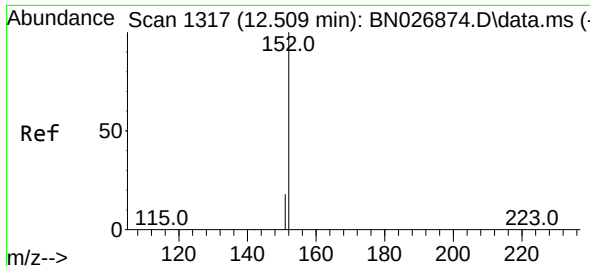
Reviewed By :Yogesh Patel 08/29/2023  
Supervised By :mohammad ahmed 08/29/2023



#10  
Hexachlorobutadiene  
Concen: 0.234 ng  
RT: 11.184 min Scan# 1021  
Delta R.T. 0.000 min  
Lab File: BN027213.D  
Acq: 28 Aug 2023 12:29

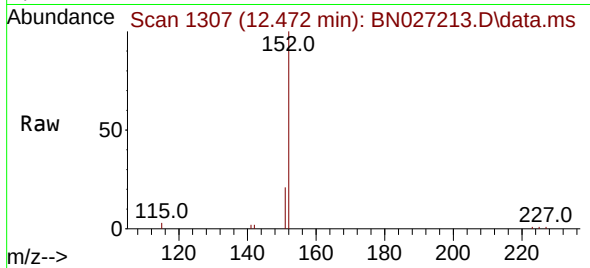
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Ion Ratio Lower Upper  
225 100  
223 0.0 0.0 0.0  
227 64.6 50.8 76.2





#11  
2-Methylnaphthalene-d10  
Concen: 0.287 ng m  
RT: 12.472 min Scan# 1307  
Delta R.T. 0.000 min  
Lab File: BN027213.D  
Acq: 28 Aug 2023 12:29

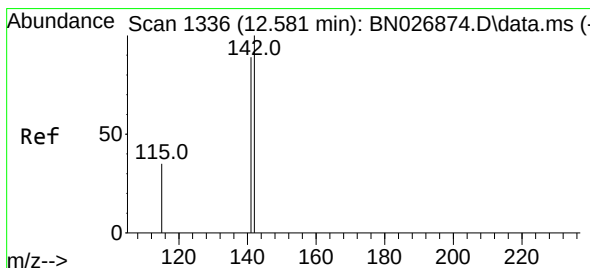
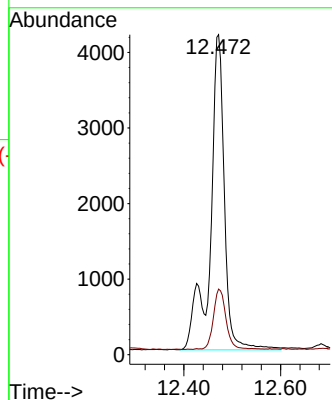
Instrument :  
BNA\_N  
ClientSampleId :  
TT14911-20230815MSD



Tgt Ion:152 Resp: 852  
Ion Ratio Lower Upper  
152 100  
151 16.4 16.3 24.5

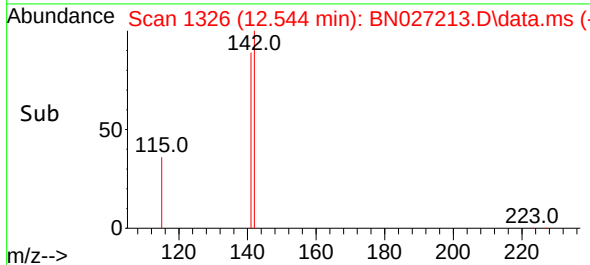
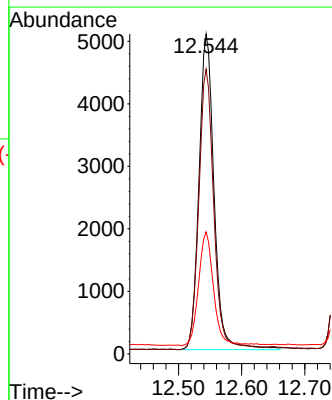
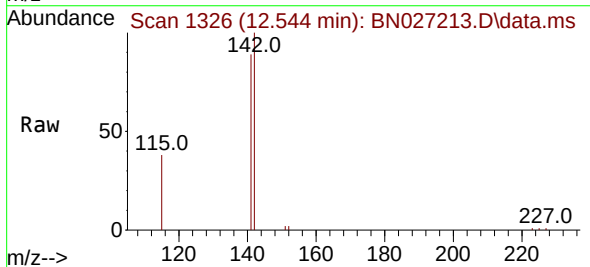
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 08/29/2023  
Supervised By :mohammad ahmed 08/29/2023

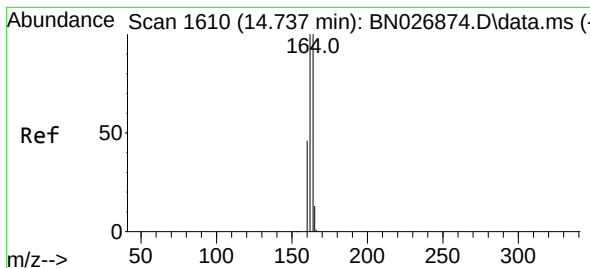


#12  
2-Methylnaphthalene  
Concen: 0.218 ng  
RT: 12.544 min Scan# 1326  
Delta R.T. 0.000 min  
Lab File: BN027213.D  
Acq: 28 Aug 2023 12:29

Tgt Ion:142 Resp: 8390  
Ion Ratio Lower Upper  
142 100  
141 88.9 71.0 106.6  
115 38.1 29.4 44.2







#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.694 min Scan# 1

Delta R.T. 0.000 min

Lab File: BN027213.D

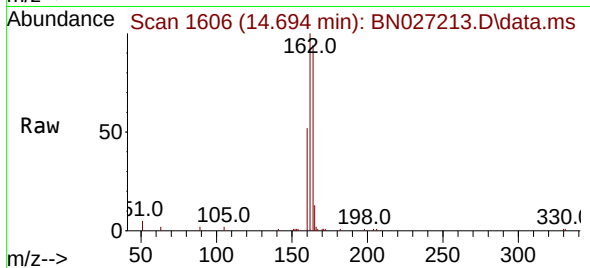
Acq: 28 Aug 2023 12:29

Instrument :

BNA\_N

ClientSampleId :

TT14911-20230815MSD



Tgt Ion:164 Resp: 1056

Ion Ratio Lower Upper

164 100

162 106.3 79.7 119.5

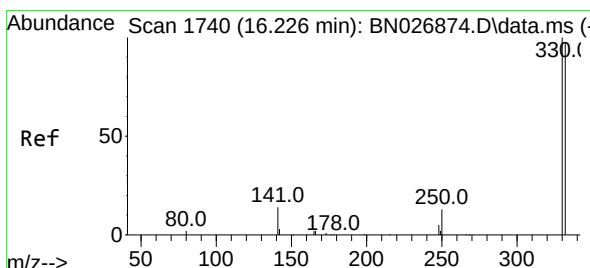
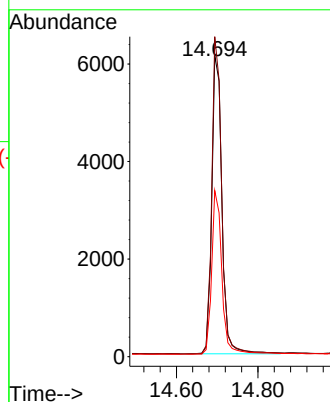
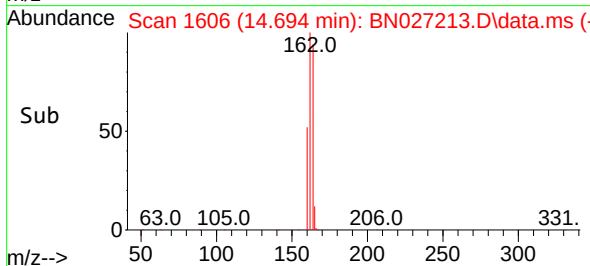
160 55.1 37.4 56.0

Manual Integrations

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Reviewed By :Yogesh Patel 08/29/2023

Supervised By :mohammad ahmed 08/29/2023



#14

2,4,6-Tribromophenol

Concen: 0.161 ng

RT: 16.189 min Scan# 1737

Delta R.T. 0.000 min

Lab File: BN027213.D

Acq: 28 Aug 2023 12:29

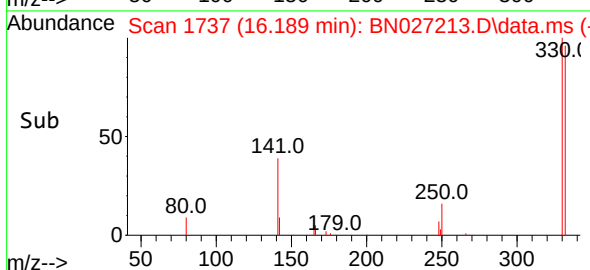
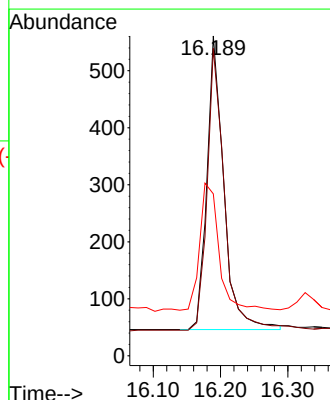
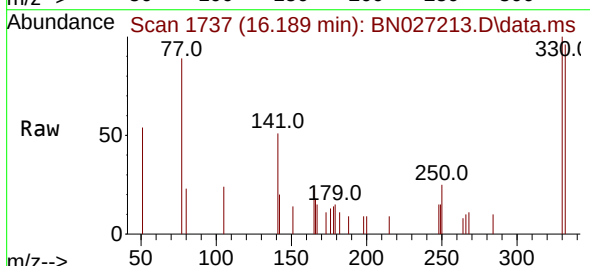
Tgt Ion:330 Resp: 903

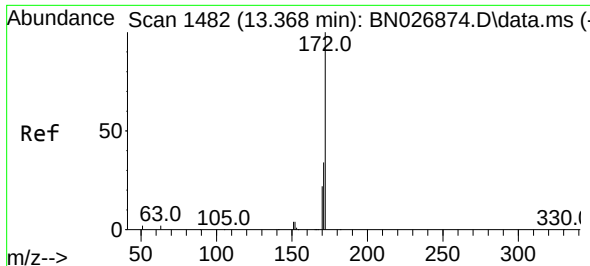
Ion Ratio Lower Upper

330 100

332 96.5 76.6 114.8

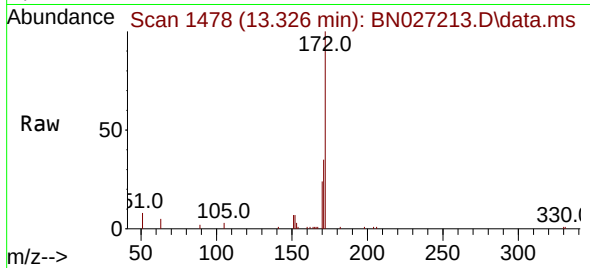
141 47.6 32.3 48.5





#15  
2-Fluorobiphenyl  
Concen: 0.272 ng  
RT: 13.326 min Scan# 1482  
Delta R.T. 0.000 min  
Lab File: BN027213.D  
Acq: 28 Aug 2023 12:29

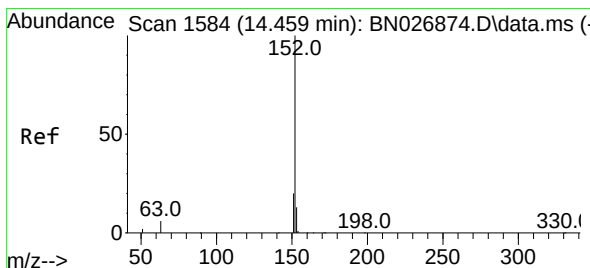
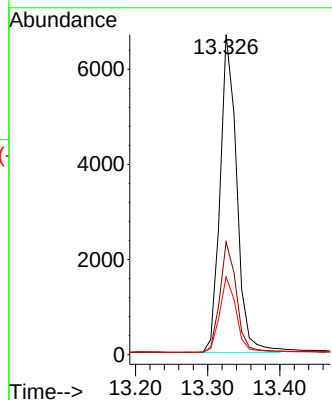
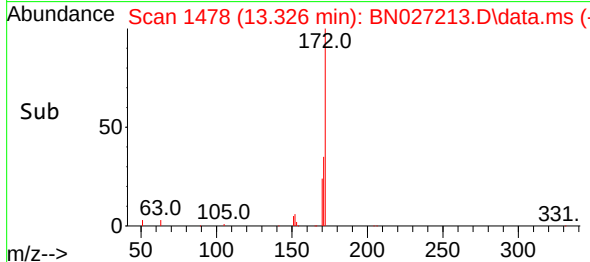
Instrument :  
BNA\_N  
ClientSampleId :  
TT14911-20230815MSD



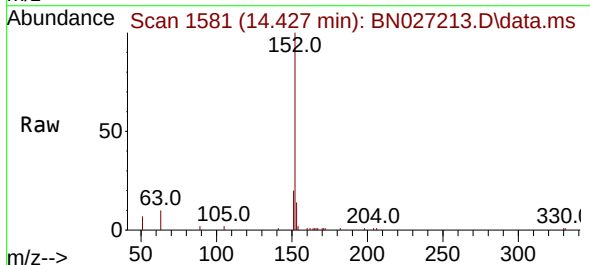
Tgt Ion:172 Resp: 10668  
Ion Ratio Lower Upper  
172 100  
171 35.3 27.4 41.0  
170 24.4 18.0 27.0

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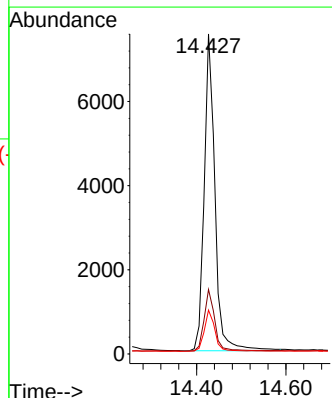
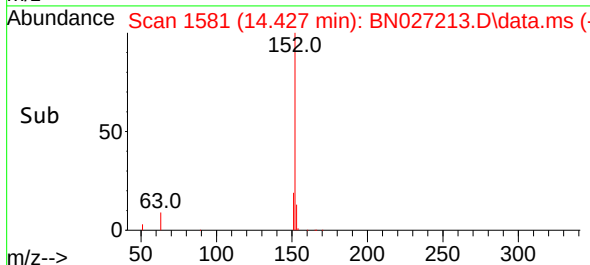
Reviewed By :Yogesh Patel 08/29/2023  
Supervised By :mohammad ahmed 08/29/2023

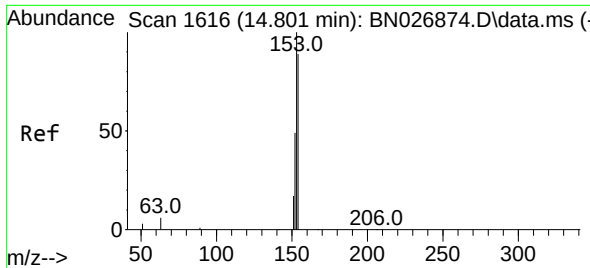


#16  
Acenaphthylene  
Concen: 0.249 ng  
RT: 14.427 min Scan# 1581  
Delta R.T. 0.000 min  
Lab File: BN027213.D  
Acq: 28 Aug 2023 12:29



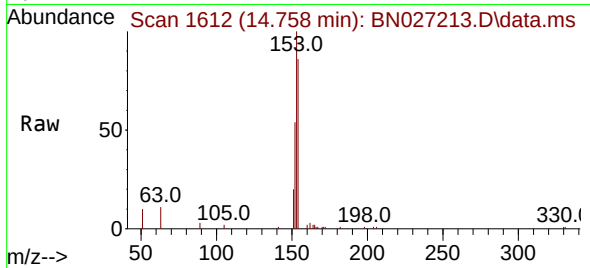
Tgt Ion:152 Resp: 12532  
Ion Ratio Lower Upper  
152 100  
151 19.4 15.5 23.3  
153 13.2 10.5 15.7





#17  
Acenaphthene  
Concen: 0.250 ng  
RT: 14.758 min Scan# 110  
Delta R.T. 0.000 min  
Lab File: BN027213.D  
Acq: 28 Aug 2023 12:29

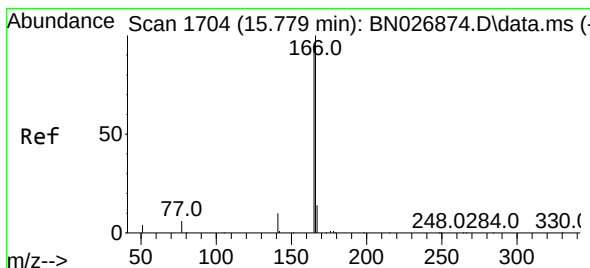
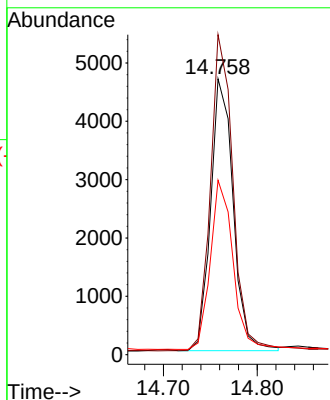
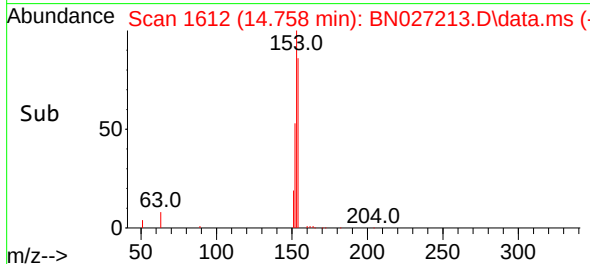
Instrument :  
BNA\_N  
ClientSampleId :  
TT14911-20230815MSD



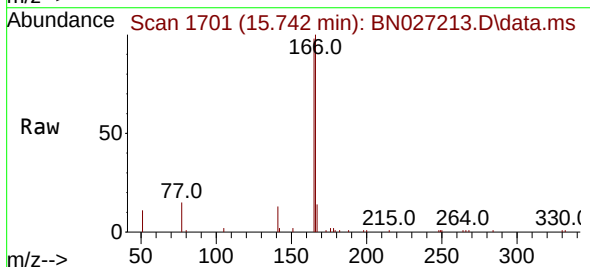
Tgt Ion:154 Resp: 7794  
Ion Ratio Lower Upper  
154 100  
153 117.7 92.0 138.0  
152 63.3 46.2 69.2

Manual Integrations  
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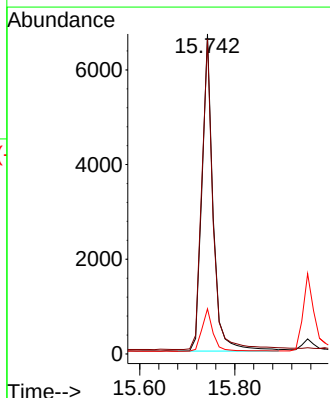
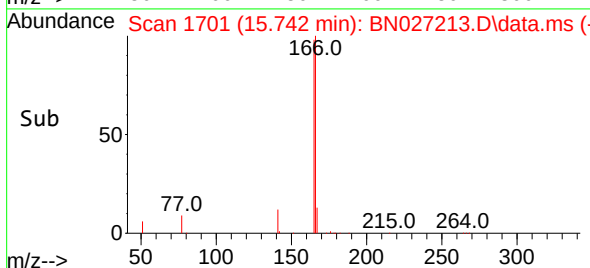
Reviewed By :Yogesh Patel 08/29/2023  
Supervised By :mohammad ahmed 08/29/2023

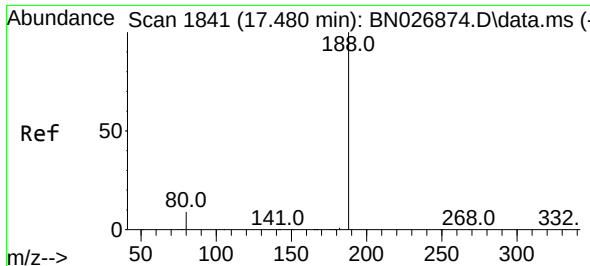


#18  
Fluorene  
Concen: 0.260 ng  
RT: 15.742 min Scan# 1701  
Delta R.T. 0.000 min  
Lab File: BN027213.D  
Acq: 28 Aug 2023 12:29



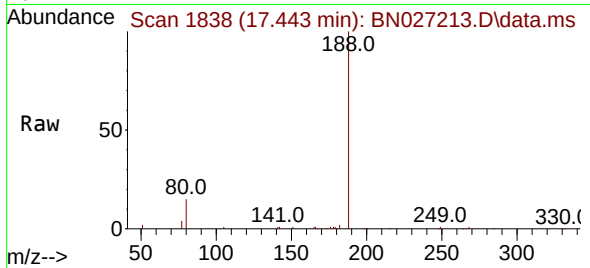
Tgt Ion:166 Resp: 10880  
Ion Ratio Lower Upper  
166 100  
165 98.8 77.4 116.2  
167 13.7 10.9 16.3





#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.443 min Scan# 1838  
Delta R.T. -0.012 min  
Lab File: BN027213.D  
Acq: 28 Aug 2023 12:29

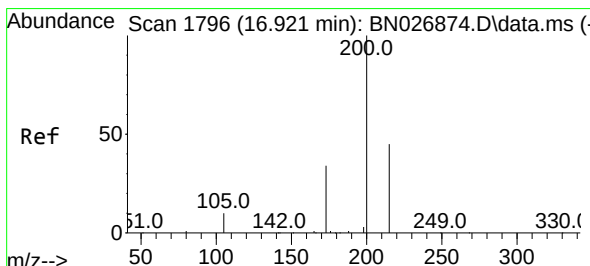
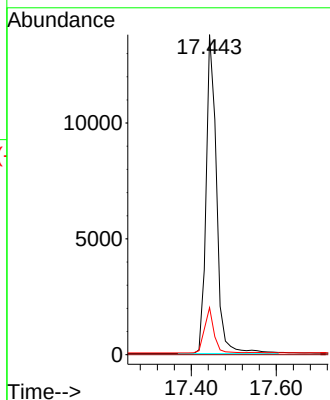
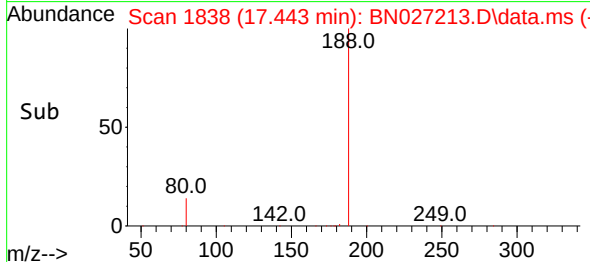
Instrument :  
BNA\_N  
ClientSampleId :  
TT14911-20230815MSD



Tgt Ion:188 Resp: 23498  
Ion Ratio Lower Upper  
188 100  
94 0.0 0.0 0.0  
80 14.7 7.4 11.2

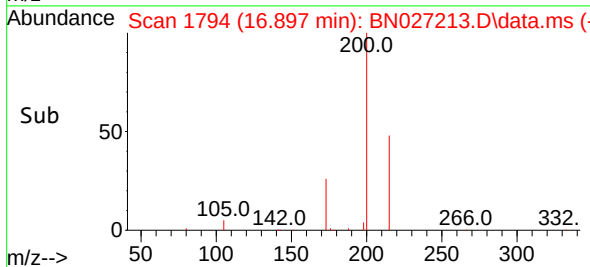
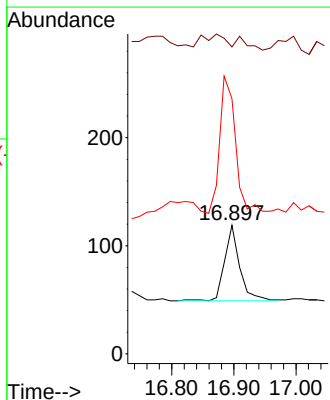
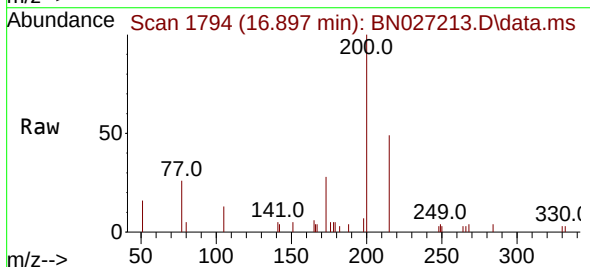
Manual Integrations  
APPROVED

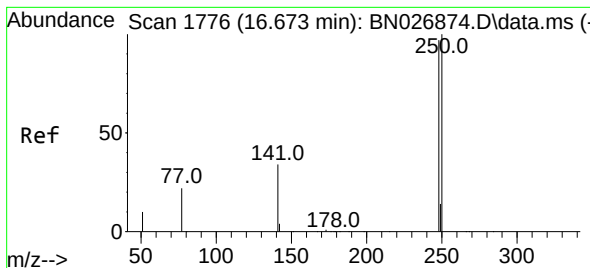
Reviewed By :Yogesh Patel 08/29/2023  
Supervised By :mohammad ahmed 08/29/2023



#20  
4,6-Dinitro-2-methylphenol  
Concen: 0.323 ng  
RT: 16.897 min Scan# 1794  
Delta R.T. 0.000 min  
Lab File: BN027213.D  
Acq: 28 Aug 2023 12:29

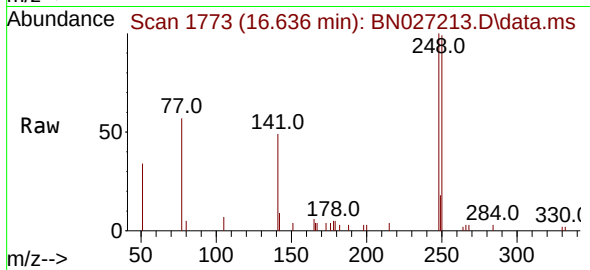
Tgt Ion:198 Resp: 119  
Ion Ratio Lower Upper  
198 100  
51 238.7 143.8 215.8#  
105 198.3 273.5 410.3#





#21  
4-Bromophenyl-phenylether  
Concen: 0.234 ng  
RT: 16.636 min Scan# 1773  
Delta R.T. 0.000 min  
Lab File: BN027213.D  
Acq: 28 Aug 2023 12:29

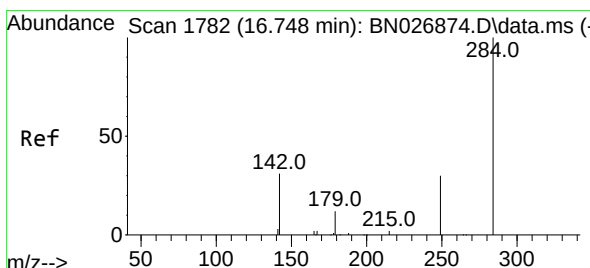
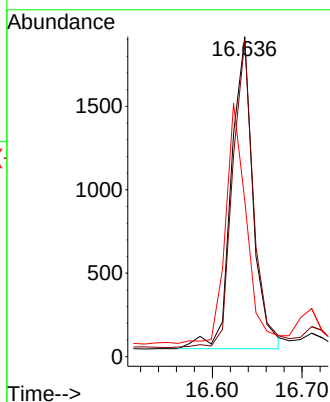
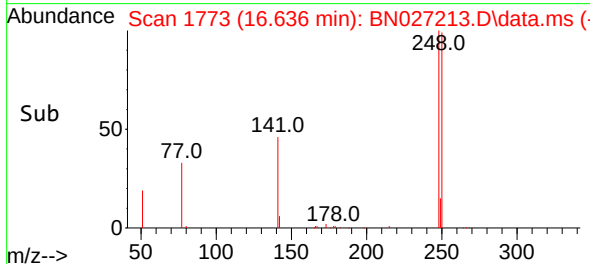
Instrument :  
BNA\_N  
ClientSampleId :  
TT14911-20230815MSD



Tgt Ion:248 Resp: 3140  
Ion Ratio Lower Upper  
248 100  
250 99.0 83.0 124.4  
141 48.9 29.9 44.9

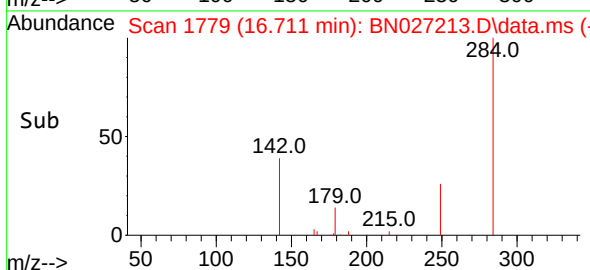
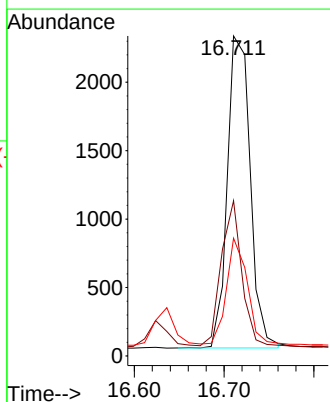
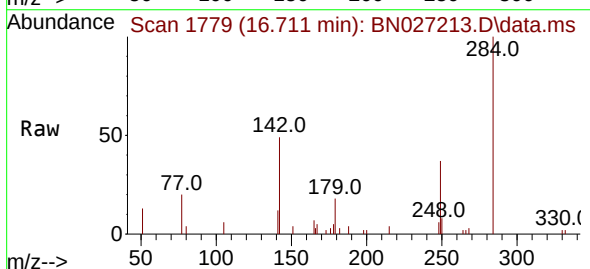
Manual Integrations  
APPROVED

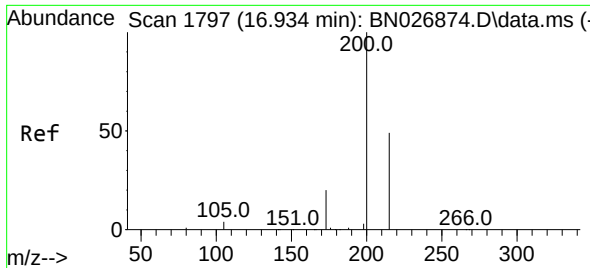
Reviewed By :Yogesh Patel 08/29/2023  
Supervised By :mohammad ahmed 08/29/2023



#22  
Hexachlorobenzene  
Concen: 0.282 ng  
RT: 16.711 min Scan# 1779  
Delta R.T. -0.012 min  
Lab File: BN027213.D  
Acq: 28 Aug 2023 12:29

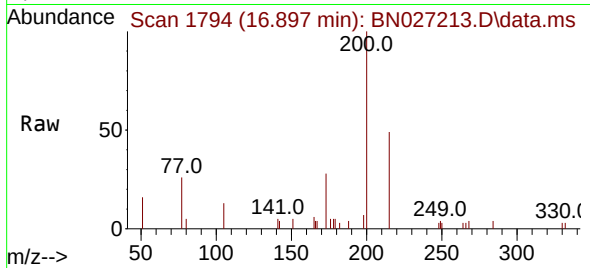
Tgt Ion:284 Resp: 4038  
Ion Ratio Lower Upper  
284 100  
142 41.2 30.0 45.0  
249 30.4 24.4 36.6





#23  
 Atrazine  
 Concen: 0.223 ng  
 RT: 16.897 min Scan# 11  
 Delta R.T. 0.000 min  
 Lab File: BN027213.D  
 Acq: 28 Aug 2023 12:29

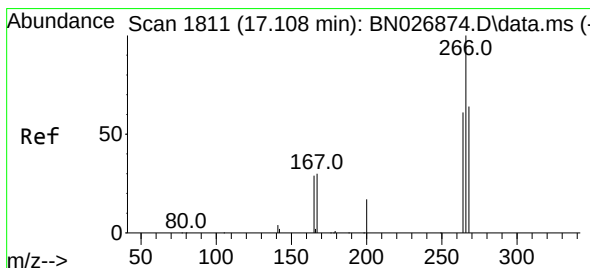
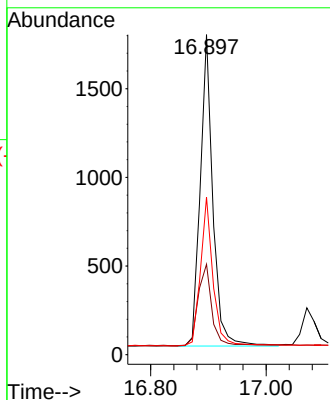
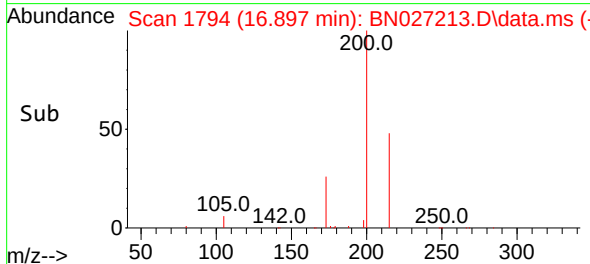
Instrument :  
 BNA\_N  
 ClientSampleId :  
 TT14911-20230815MSD



Tgt Ion:200 Resp: 266  
 Ion Ratio Lower Upper  
 200 100  
 173 28.3 17.1 25.7  
 215 49.3 39.6 59.4

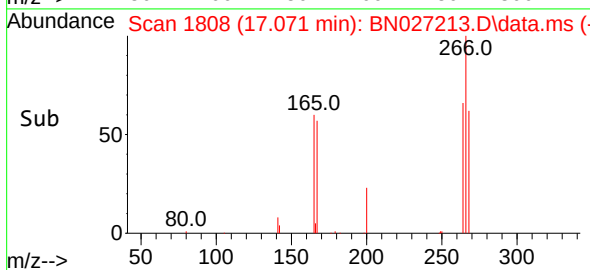
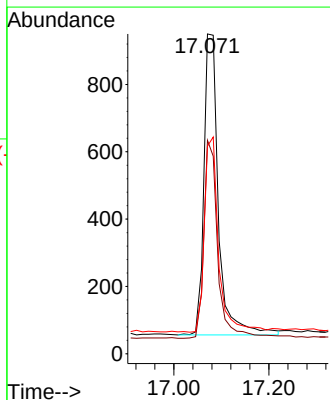
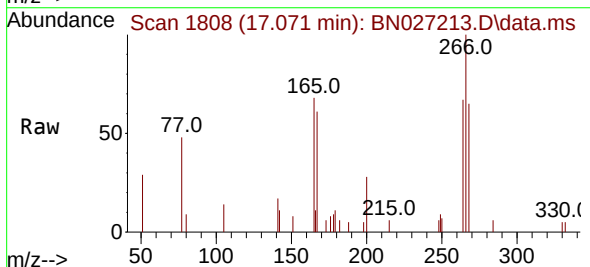
Manual Integrations  
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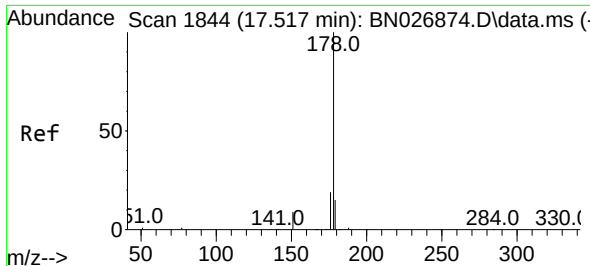
Reviewed By :Yogesh Patel 08/29/2023  
 Supervised By :mohammad ahmed 08/29/2023



#24  
 Pentachlorophenol  
 Concen: 0.266 ng  
 RT: 17.071 min Scan# 1808  
 Delta R.T. -0.012 min  
 Lab File: BN027213.D  
 Acq: 28 Aug 2023 12:29

Tgt Ion:266 Resp: 1923  
 Ion Ratio Lower Upper  
 266 100  
 264 62.8 49.7 74.5  
 268 63.2 49.3 73.9





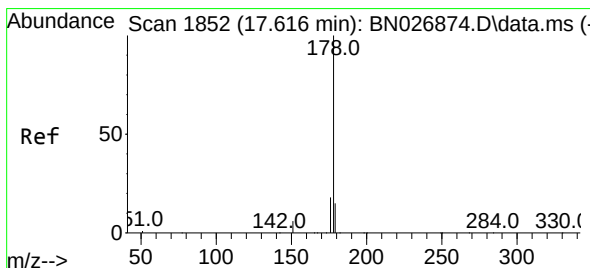
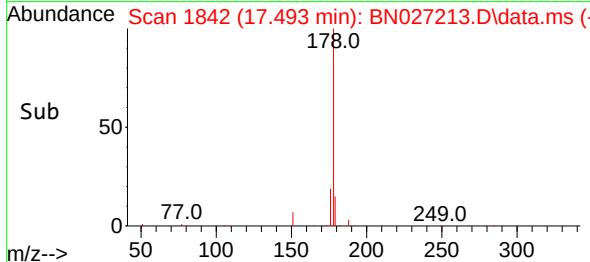
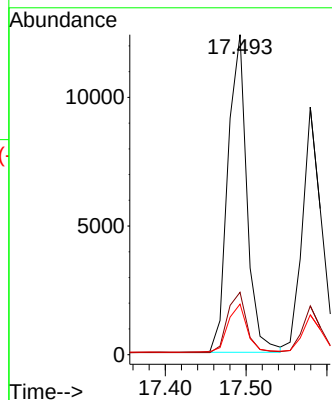
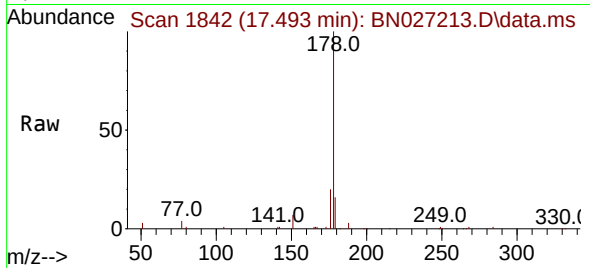
#25  
Phenanthrene  
Concen: 0.299 ng  
RT: 17.493 min Scan# 1842  
Delta R.T. 0.000 min  
Lab File: BN027213.D  
Acq: 28 Aug 2023 12:29

Instrument :  
BNA\_N  
ClientSampleId :  
TT14911-20230815MSD

Tgt Ion:178 Resp: 2022  
Ion Ratio Lower Upper  
178 100  
176 19.3 15.3 22.9  
179 15.4 12.2 18.4

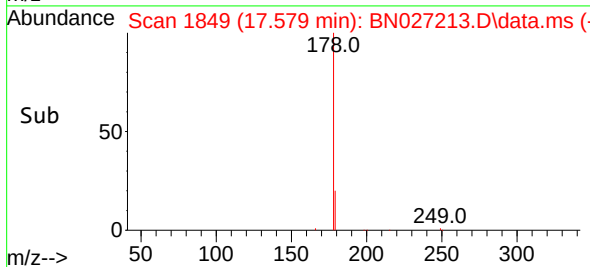
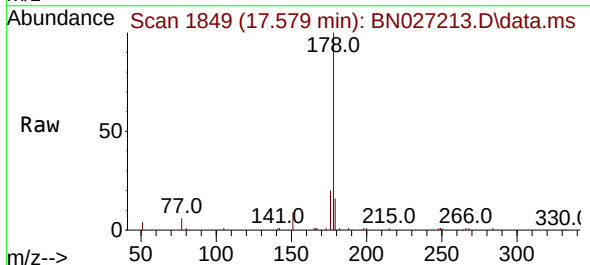
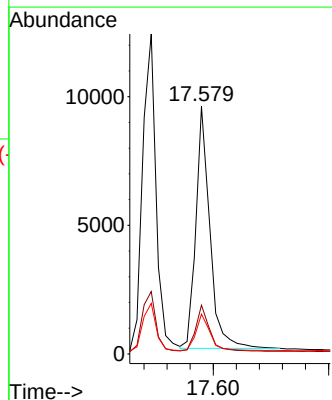
Manual Integrations  
APPROVED

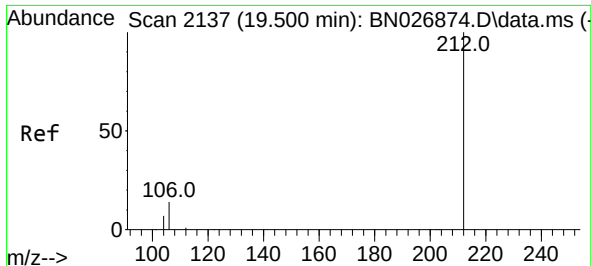
Reviewed By :Yogesh Patel 08/29/2023  
Supervised By :mohammad ahmed 08/29/2023



#26  
Anthracene  
Concen: 0.254 ng  
RT: 17.579 min Scan# 1849  
Delta R.T. 0.000 min  
Lab File: BN027213.D  
Acq: 28 Aug 2023 12:29

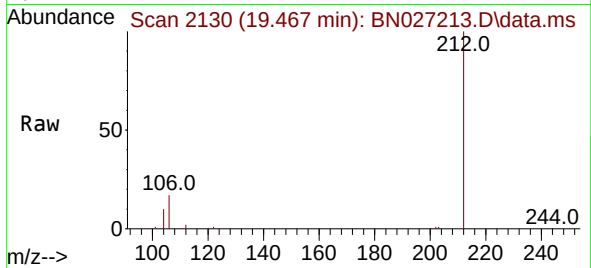
Tgt Ion:178 Resp: 15984  
Ion Ratio Lower Upper  
178 100  
176 18.6 14.8 22.2  
179 14.9 12.1 18.1





#27  
Fluoranthene-d10  
Concen: 0.303 ng  
RT: 19.467 min Scan# 2130  
Delta R.T. -0.005 min  
Lab File: BN027213.D  
Acq: 28 Aug 2023 12:29

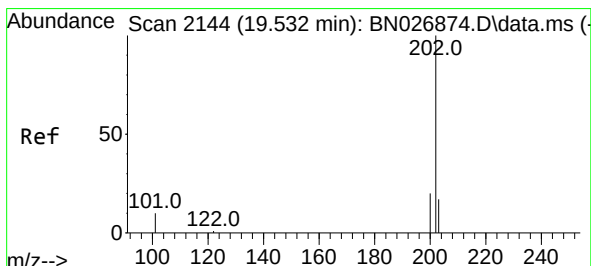
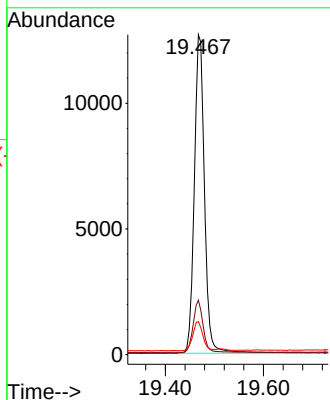
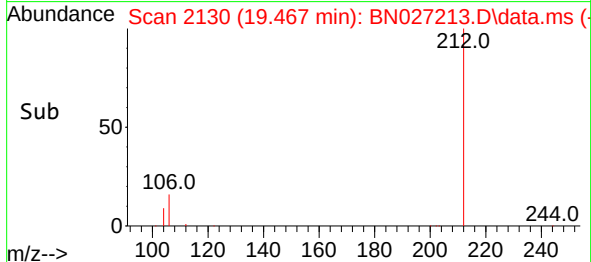
Instrument :  
BNA\_N  
ClientSampleId :  
TT14911-20230815MSD



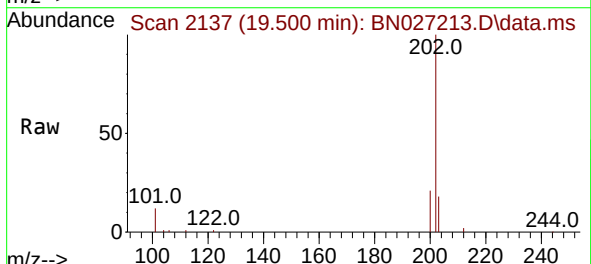
Tgt Ion:212 Resp: 18245  
Ion Ratio Lower Upper  
212 100  
106 15.9 10.9 16.3  
104 9.0 5.9 8.9

Manual Integrations  
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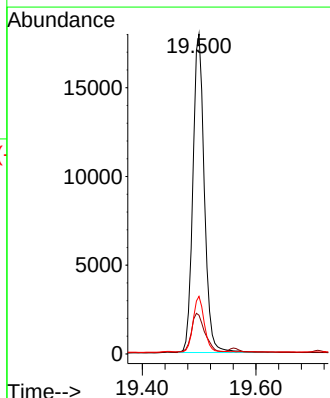
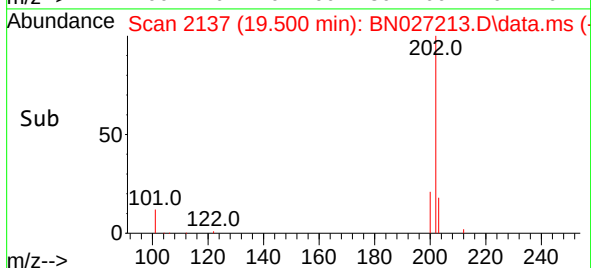
Reviewed By :Yogesh Patel 08/29/2023  
Supervised By :mohammad ahmed 08/29/2023



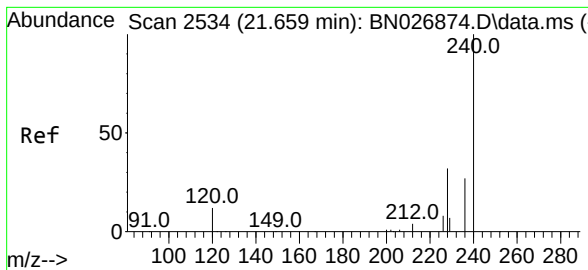
#28  
Fluoranthene  
Concen: 0.314 ng  
RT: 19.500 min Scan# 2137  
Delta R.T. 0.000 min  
Lab File: BN027213.D  
Acq: 28 Aug 2023 12:29



Tgt Ion:202 Resp: 25087  
Ion Ratio Lower Upper  
202 100  
101 15.1 8.9 13.3  
203 17.1 13.7 20.5

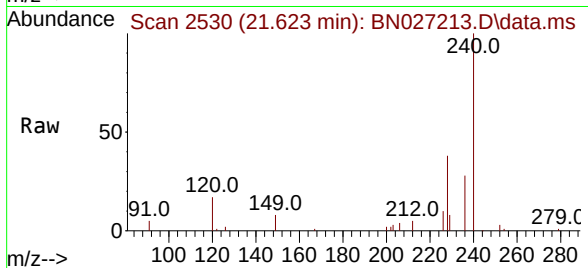






#29  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.623 min Scan# 2115  
Delta R.T. 0.000 min  
Lab File: BN027213.D  
Acq: 28 Aug 2023 12:29

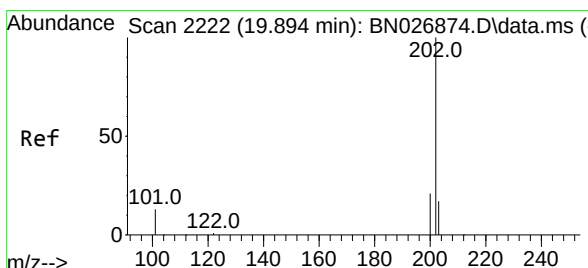
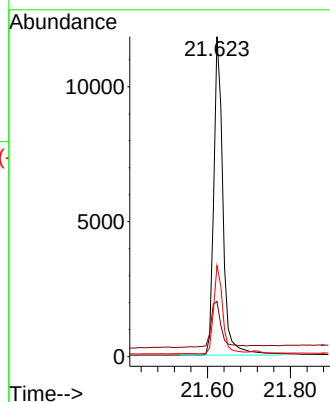
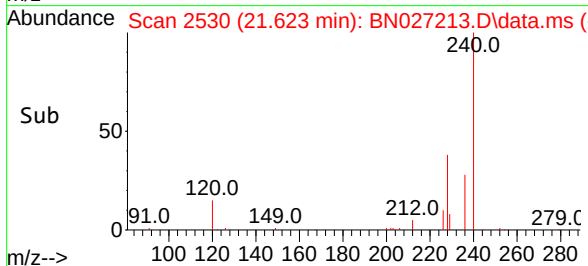
Instrument :  
BNA\_N  
ClientSampleId :  
TT14911-20230815MSD



Tgt Ion:240 Resp: 18079  
Ion Ratio Lower Upper  
240 100  
120 17.3 11.1 16.7  
236 28.5 22.2 33.2

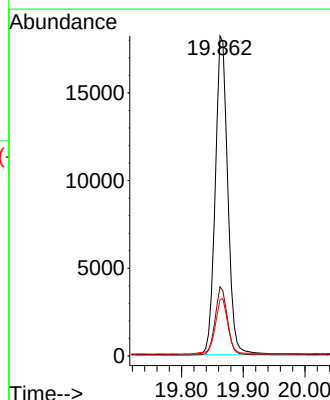
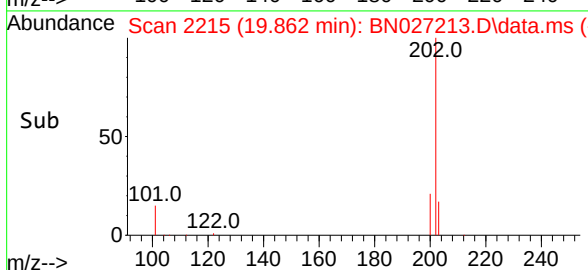
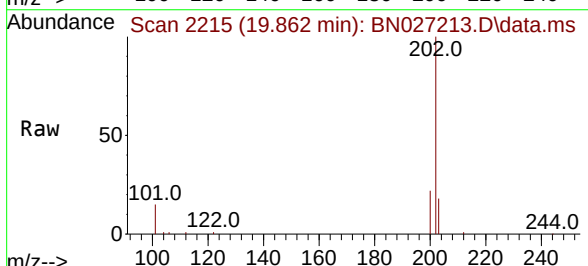
Manual Integrations  
APPROVED

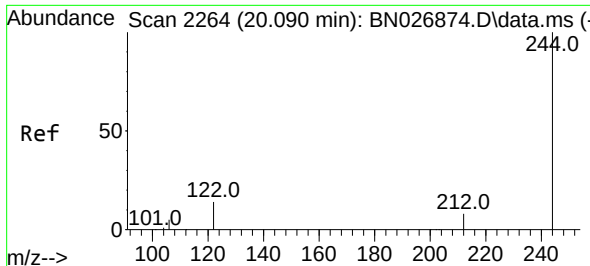
Reviewed By :Yogesh Patel 08/29/2023  
Supervised By :mohammad ahmed 08/29/2023



#30  
Pyrene  
Concen: 0.367 ng  
RT: 19.862 min Scan# 2215  
Delta R.T. -0.005 min  
Lab File: BN027213.D  
Acq: 28 Aug 2023 12:29

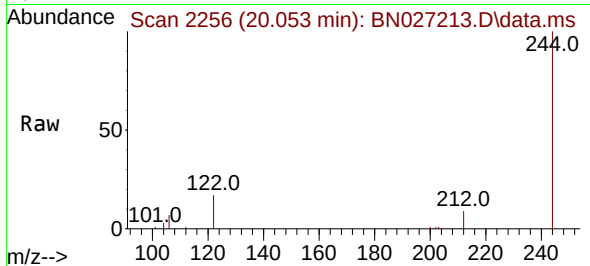
Tgt Ion:202 Resp: 25561  
Ion Ratio Lower Upper  
202 100  
200 21.0 16.6 25.0  
203 17.9 14.4 21.6





#31  
Terphenyl-d14  
Concen: 0.507 ng  
RT: 20.053 min Scan# 2115  
Delta R.T. -0.005 min  
Lab File: BN027213.D  
Acq: 28 Aug 2023 12:29

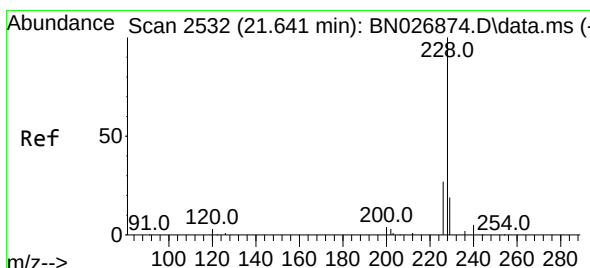
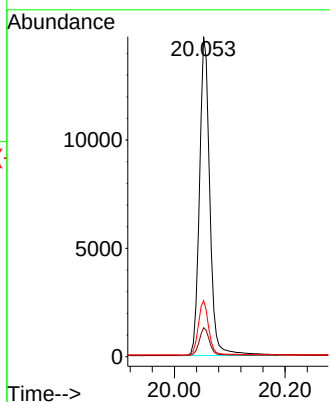
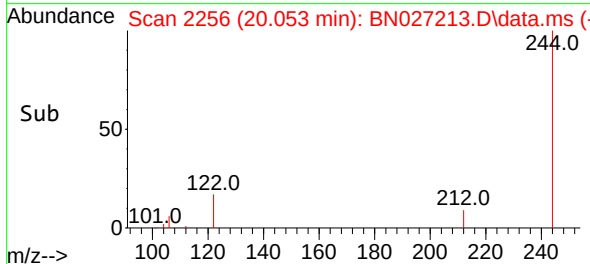
Instrument :  
BNA\_N  
ClientSampleId :  
TT14911-20230815MSD



Tgt Ion:244 Resp: 1915  
Ion Ratio Lower Upper  
244 100  
212 9.0 6.9 10.3  
122 17.5 11.9 17.9

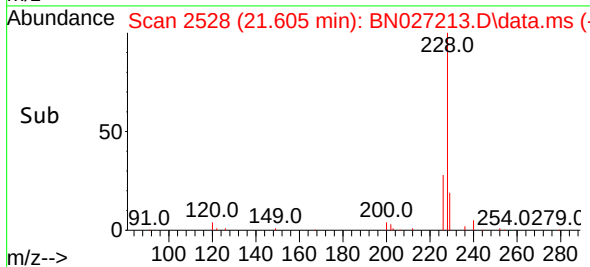
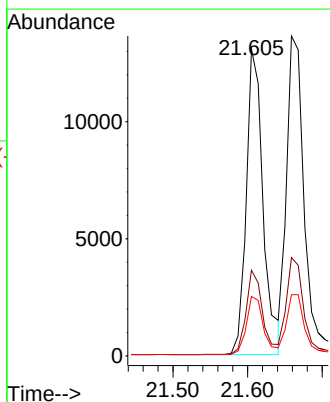
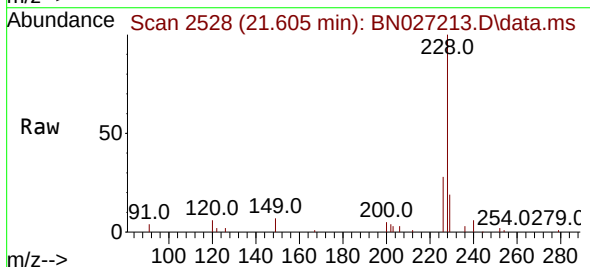
Manual Integrations  
APPROVED

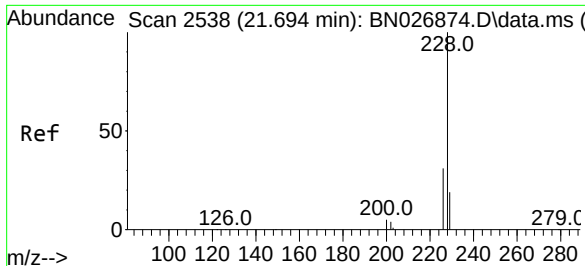
Reviewed By :Yogesh Patel 08/29/2023  
Supervised By :mohammad ahmed 08/29/2023



#32  
Benzo(a)anthracene  
Concen: 0.313 ng  
RT: 21.605 min Scan# 2528  
Delta R.T. -0.009 min  
Lab File: BN027213.D  
Acq: 28 Aug 2023 12:29

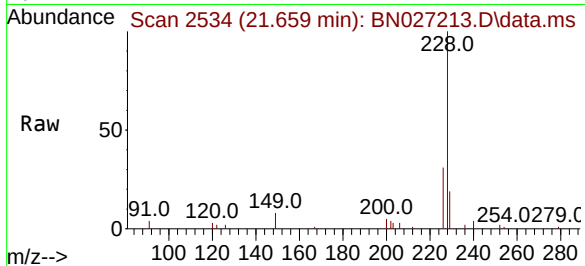
Tgt Ion:228 Resp: 20394  
Ion Ratio Lower Upper  
228 100  
226 27.9 22.1 33.1  
229 19.4 15.5 23.3





#33  
Chrysene  
Concen: 0.331 ng  
RT: 21.659 min Scan# 21824  
Delta R.T. -0.009 min  
Lab File: BN027213.D  
Acq: 28 Aug 2023 12:29

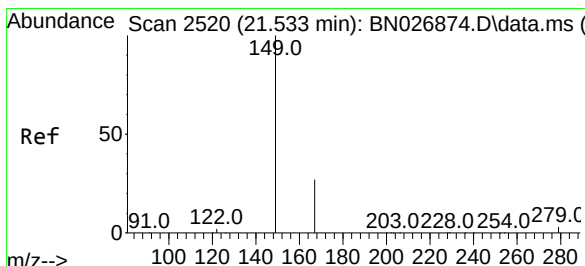
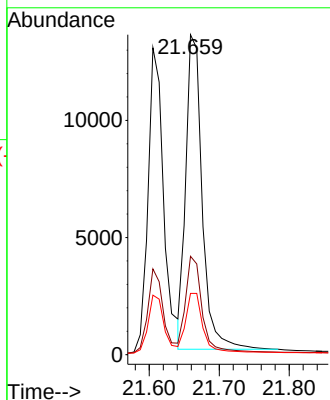
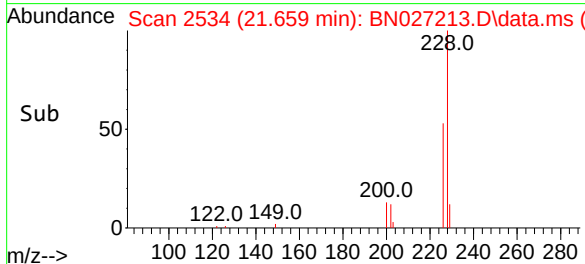
Instrument :  
BNA\_N  
ClientSampleId :  
TT14911-20230815MSD



Tgt Ion:228 Resp: 21824  
Ion Ratio Lower Upper  
228 100  
226 30.8 24.6 37.0  
229 19.2 15.5 23.3

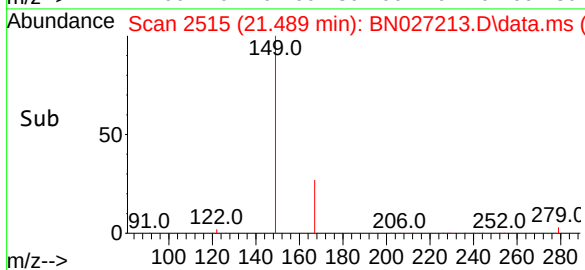
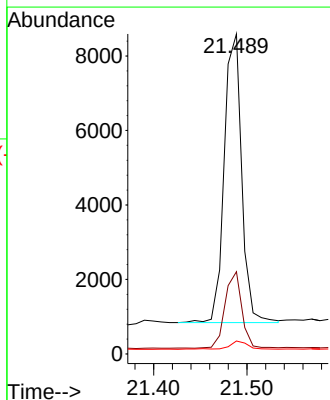
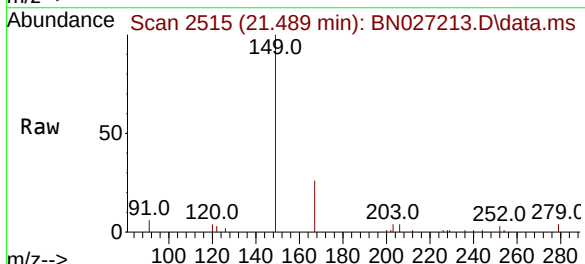
Manual Integrations  
APPROVED

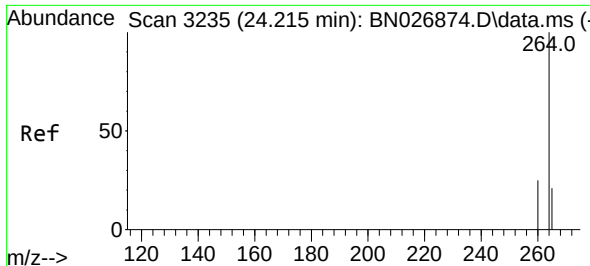
Reviewed By :Yogesh Patel 08/29/2023  
Supervised By :mohammad ahmed 08/29/2023



#34  
Bis(2-ethylhexyl)phthalate  
Concen: 0.214 ng  
RT: 21.489 min Scan# 2515  
Delta R.T. 0.000 min  
Lab File: BN027213.D  
Acq: 28 Aug 2023 12:29

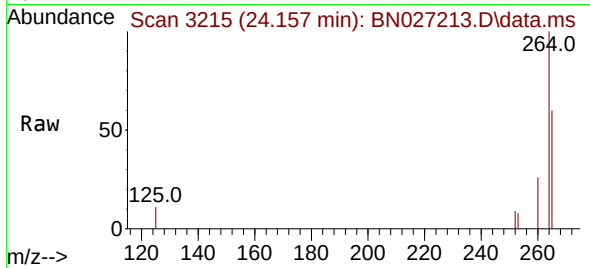
Tgt Ion:149 Resp: 10063  
Ion Ratio Lower Upper  
149 100  
167 25.8 21.4 32.0  
279 2.8 3.6 5.4





#35  
Perylene-d12  
Concen: 0.400 ng  
RT: 24.157 min Scan# 31  
Delta R.T. -0.009 min  
Lab File: BN027213.D  
Acq: 28 Aug 2023 12:29

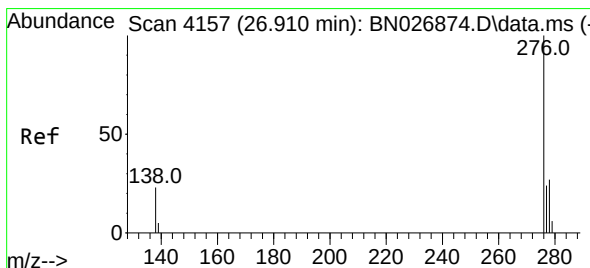
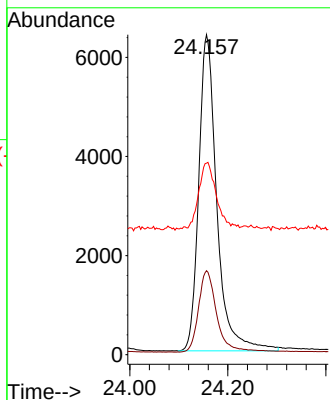
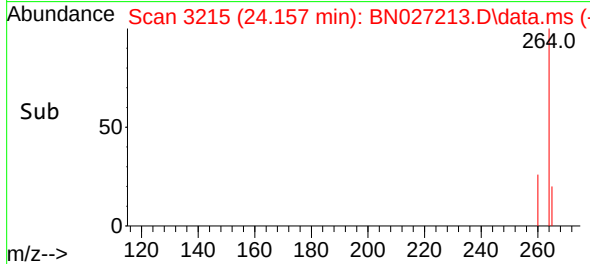
Instrument :  
BNA\_N  
ClientSampleId :  
TT14911-20230815MSD



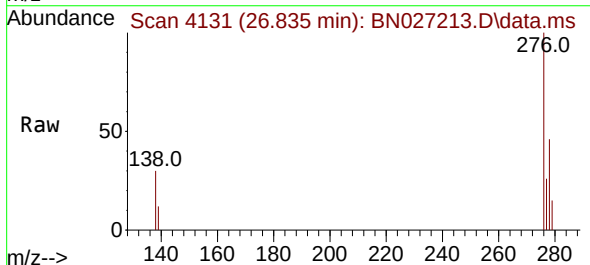
Tgt Ion:264 Resp: 1633  
Ion Ratio Lower Upper  
264 100  
260 26.2 20.4 30.6  
265 59.9 27.0 40.6

Manual Integrations  
APPROVED

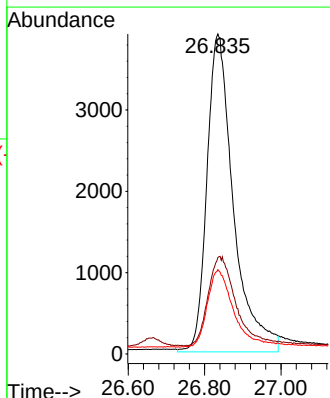
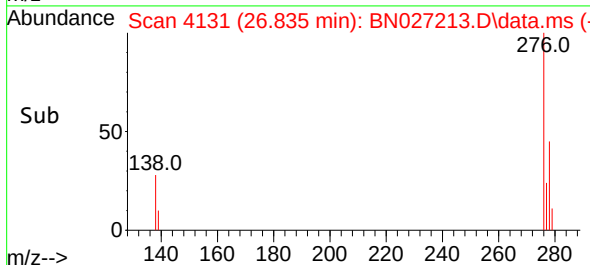
Reviewed By :Yogesh Patel 08/29/2023  
Supervised By :mohammad ahmed 08/29/2023

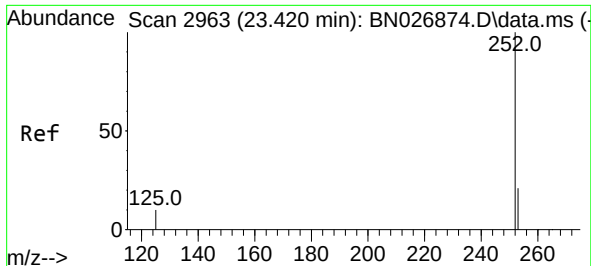


#36  
Indeno(1,2,3-cd)pyrene  
Concen: 0.282 ng m  
RT: 26.835 min Scan# 4131  
Delta R.T. -0.003 min  
Lab File: BN027213.D  
Acq: 28 Aug 2023 12:29



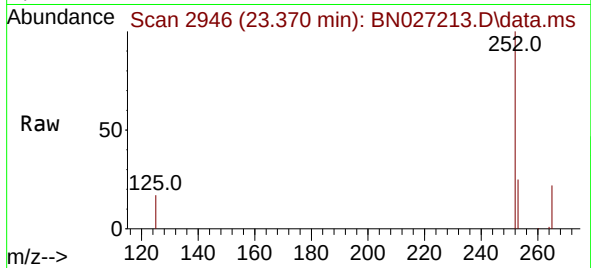
Tgt Ion:276 Resp: 18861  
Ion Ratio Lower Upper  
276 100  
138 28.8 21.1 31.7  
277 23.4 19.9 29.9





#37  
Benzo(b)fluoranthene  
Concen: 0.400 ng  
RT: 23.370 min Scan# 2963  
Delta R.T. 0.000 min  
Lab File: BN027213.D  
Acq: 28 Aug 2023 12:29

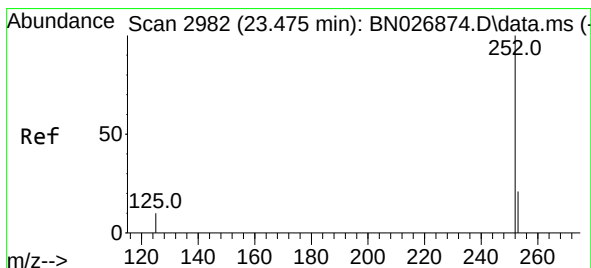
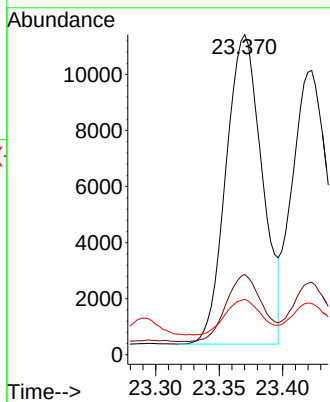
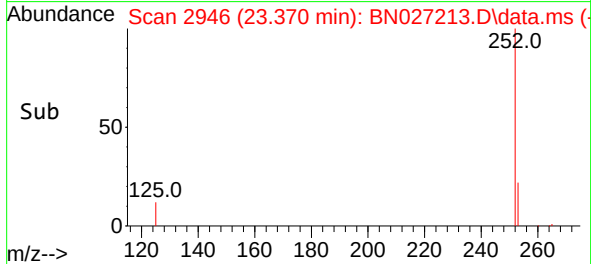
Instrument :  
BNA\_N  
ClientSampleId :  
TT14911-20230815MSD



Tgt Ion:252 Resp: 21874  
Ion Ratio Lower Upper  
252 100  
253 25.1 18.4 27.6  
125 17.3 10.2 15.2

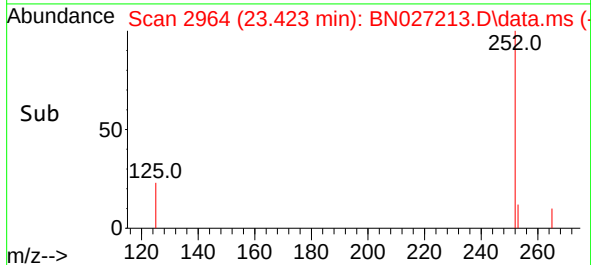
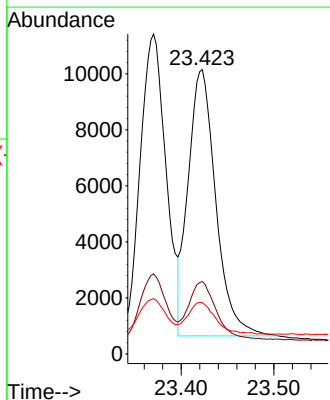
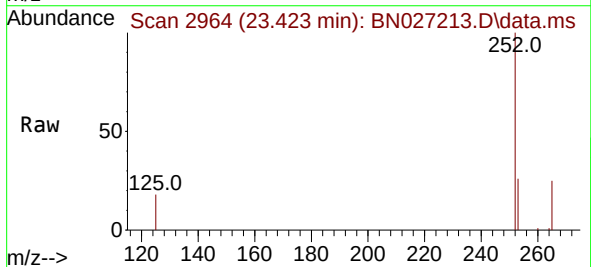
Manual Integrations  
APPROVED

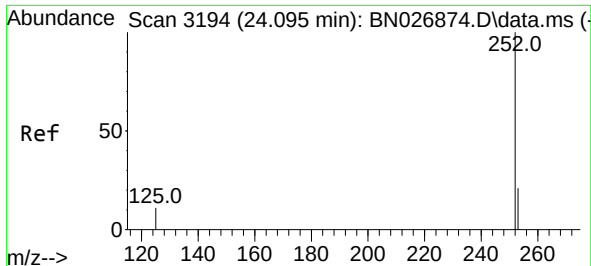
Reviewed By :Yogesh Patel 08/29/2023  
Supervised By :mohammad ahmed 08/29/2023



#38  
Benzo(k)fluoranthene  
Concen: 0.351 ng  
RT: 23.423 min Scan# 2964  
Delta R.T. -0.003 min  
Lab File: BN027213.D  
Acq: 28 Aug 2023 12:29

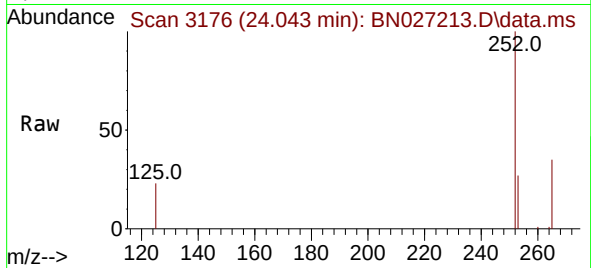
Tgt Ion:252 Resp: 19718  
Ion Ratio Lower Upper  
252 100  
253 25.5 18.4 27.6  
125 18.1 10.2 15.2





#39  
Benzo(a)pyrene  
Concen: 0.321 ng  
RT: 24.043 min Scan# 3194  
Delta R.T. -0.006 min  
Lab File: BN027213.D  
Acq: 28 Aug 2023 12:29

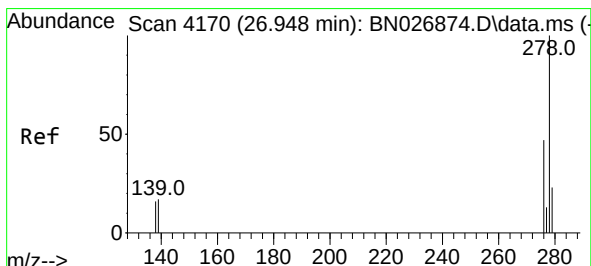
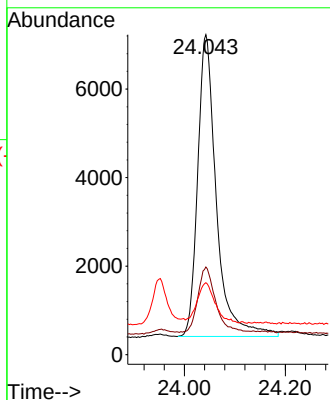
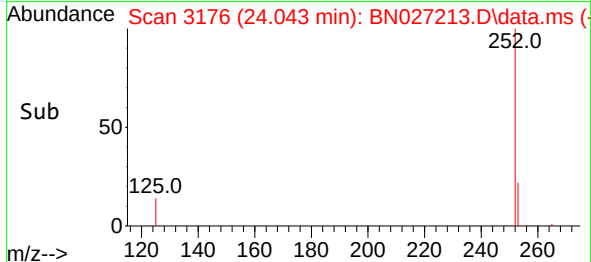
Instrument :  
BNA\_N  
ClientSampleId :  
TT14911-20230815MSD



Tgt Ion:252 Resp: 1756  
Ion Ratio Lower Upper  
252 100  
253 27.4 18.6 28.0  
125 22.5 11.7 17.5

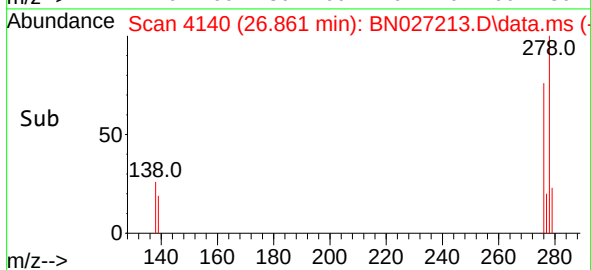
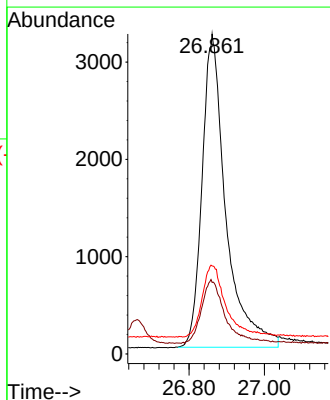
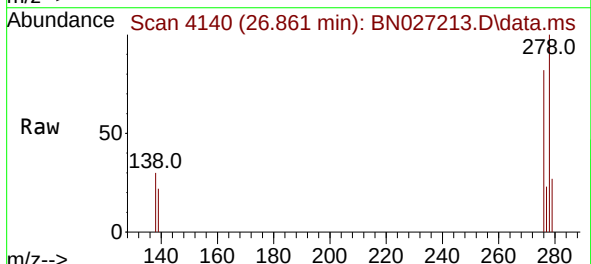
Manual Integrations  
APPROVED

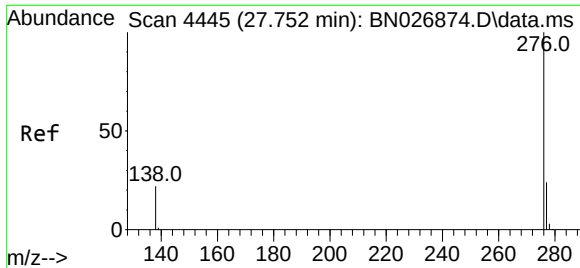
Reviewed By :Yogesh Patel 08/29/2023  
Supervised By :mohammad ahmed 08/29/2023



#40  
Dibenzo(a,h)anthracene  
Concen: 0.265 ng  
RT: 26.861 min Scan# 4140  
Delta R.T. -0.015 min  
Lab File: BN027213.D  
Acq: 28 Aug 2023 12:29

Tgt Ion:278 Resp: 14084  
Ion Ratio Lower Upper  
278 100  
139 22.3 15.3 22.9  
279 27.5 19.9 29.9





#41

Benzo(g,h,i)perylene

Concen: 0.285 ng

RT: 27.668 min Scan# 44

Delta R.T. -0.003 min

Lab File: BN027213.D

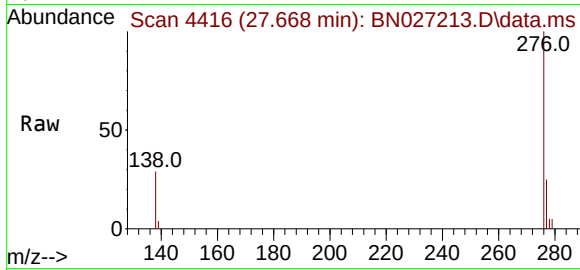
Acq: 28 Aug 2023 12:29

Instrument :

BNA\_N

ClientSampleId :

TT14911-20230815MSD



Tgt Ion:276 Resp: 1630

Ion Ratio Lower Upper

276 100

277 25.4 19.8 29.8

138 28.9 19.0 28.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/29/2023

Supervised By :mohammad ahmed 08/29/2023

