

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN083023\  
 Data File : BN027342.D  
 Acq On : 01 Sep 2023 12:27  
 Operator : MA/JU  
 Sample : 04229-05MSD  
 Misc :  
 ALS Vial : 123 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 MW-01-9.5-082923MSD

Quant Time: Sep 02 01:52:46 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN082923.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Sep 01 09:08:53 2023  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/04/2023  
 Supervised By :mohammad ahmed 09/04/2023

| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.059  | 152  | 5861     | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.885 | 136  | 17888    | 0.400 | ng    | 0.00     |
| 13) Acenaphthene-d10          | 14.683 | 164  | 11192    | 0.400 | ng    | 0.00     |
| 19) Phenanthrene-d10          | 17.430 | 188  | 25404    | 0.400 | ng    | 0.00     |
| 29) Chrysene-d12              | 21.614 | 240  | 20463    | 0.400 | ng    | # 0.00   |
| 35) Perylene-d12              | 24.133 | 264  | 18801    | 0.400 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.582  | 112  | 3716     | 0.243 | ng    | 0.00     |
| 5) Phenol-d6                  | 7.199  | 99   | 2684     | 0.144 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 9.251  | 82   | 6113     | 0.469 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10   | 12.457 | 152  | 12759m   | 0.486 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 16.177 | 330  | 2553     | 0.616 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl          | 13.315 | 172  | 19266    | 0.453 | ng    | 0.00     |
| 27) Fluoranthene-d10          | 19.453 | 212  | 29131    | 0.461 | ng    | 0.00     |
| 31) Terphenyl-d14             | 20.043 | 244  | 23294    | 0.567 | ng    | 0.00     |
| Target Compounds              |        |      |          |       |       |          |
| 2) 1,4-Dioxane                | 3.451  | 88   | 1969     | 0.275 | ng    | # 52     |
| 3) n-Nitrosodimethylamine     | 3.798  | 42   | 1446     | 0.191 | ng    | # 91     |
| 6) bis(2-Chloroethyl)ether    | 7.488  | 93   | 7237     | 0.403 | ng    | 99       |
| 9) Naphthalene                | 10.928 | 128  | 19420    | 0.398 | ng    | 98       |
| 10) Hexachlorobutadiene       | 11.162 | 225  | 3194     | 0.351 | ng    | # 98     |
| 12) 2-Methylnaphthalene       | 12.529 | 142  | 12879    | 0.371 | ng    | 99       |
| 16) Acenaphthylene            | 14.416 | 152  | 20174    | 0.396 | ng    | 99       |
| 17) Acenaphthene              | 14.747 | 154  | 13111    | 0.386 | ng    | 99       |
| 18) Fluorene                  | 15.730 | 166  | 18120    | 0.400 | ng    | 99       |
| 20) 4,6-Dinitro-2-methylph... | 16.884 | 198  | 152      | 0.420 | ng    | # 60     |
| 21) 4-Bromophenyl-phenylether | 16.624 | 248  | 5332     | 0.398 | ng    | 94       |
| 22) Hexachlorobenzene         | 16.698 | 284  | 6246     | 0.393 | ng    | 100      |
| 23) Atrazine                  | 16.884 | 200  | 4633     | 0.462 | ng    | 98       |
| 24) Pentachlorophenol         | 17.058 | 266  | 6148     | 1.006 | ng    | 100      |
| 25) Phenanthrene              | 17.468 | 178  | 30512    | 0.409 | ng    | 100      |
| 26) Anthracene                | 17.567 | 178  | 26448    | 0.417 | ng    | 100      |
| 28) Fluoranthene              | 19.486 | 202  | 34850    | 0.397 | ng    | 99       |
| 30) Pyrene                    | 19.853 | 202  | 36787    | 0.452 | ng    | 100      |
| 32) Benzo(a)anthracene        | 21.596 | 228  | 30137    | 0.430 | ng    | 99       |
| 33) Chrysene                  | 21.650 | 228  | 29983    | 0.389 | ng    | 99       |
| 34) Bis(2-ethylhexyl)phtha... | 21.471 | 149  | 14310    | 0.423 | ng    | 97       |
| 36) Indeno(1,2,3-cd)pyrene    | 26.788 | 276  | 22966    | 0.301 | ng    | 99       |
| 37) Benzo(b)fluoranthene      | 23.347 | 252  | 28226    | 0.388 | ng    | 99       |
| 38) Benzo(k)fluoranthene      | 23.402 | 252  | 26020    | 0.348 | ng    | 99       |
| 39) Benzo(a)pyrene            | 24.022 | 252  | 22031    | 0.324 | ng    | 99       |
| 40) Dibenzo(a,h)anthracene    | 26.820 | 278  | 17732    | 0.296 | ng    | 97       |
| 41) Benzo(g,h,i)perylene      | 27.621 | 276  | 20479    | 0.295 | ng    | 99       |

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

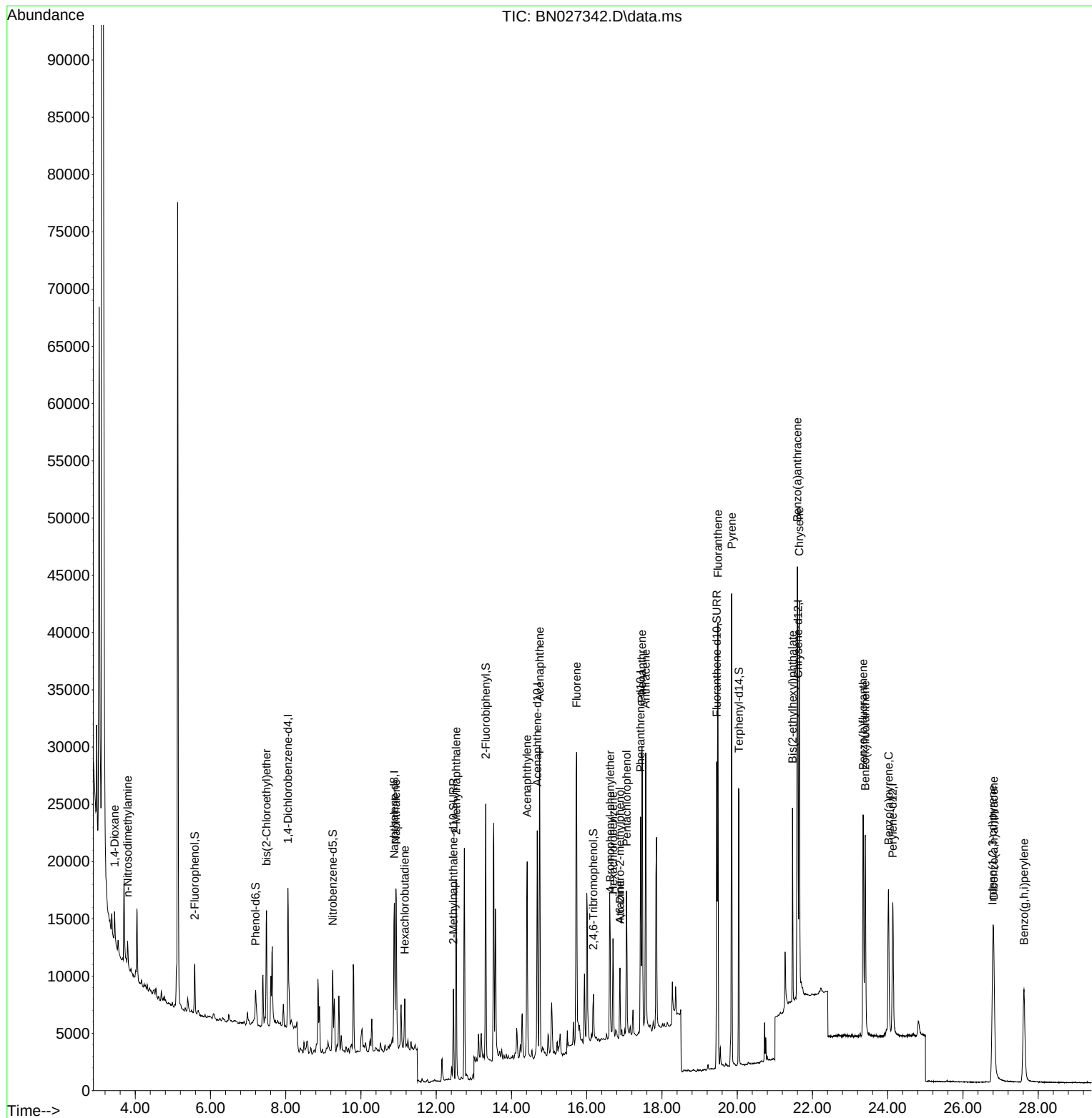
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN083023\  
 Data File : BN027342.D  
 Acq On : 01 Sep 2023 12:27  
 Operator : MA/JU  
 Sample : 04229-05MSD  
 Misc :  
 ALS Vial : 123 Sample Multiplier: 1

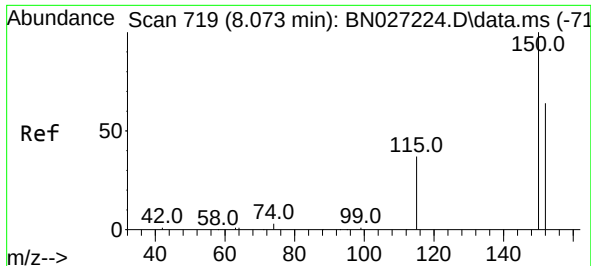
Instrument :  
 BNA\_N  
 ClientSampleId :  
 MW-01-9.5-082923MSD

Quant Time: Sep 02 01:52:46 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN082923.M  
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### Manual Integrations APPROVED

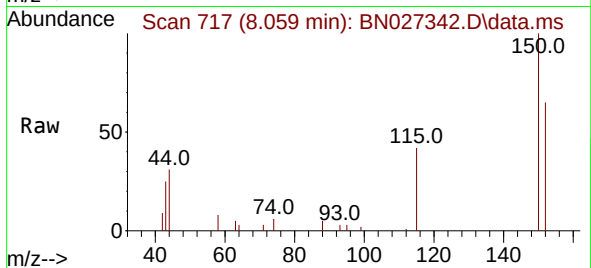
Reviewed By :Yogesh Patel 09/04/2023  
 Supervised By :mohammad ahmed 09/04/2023





#1  
 1,4-Dichlorobenzene-d4  
 Concen: 0.400 ng  
 RT: 8.059 min Scan# 71  
 Delta R.T. -0.000 min  
 Lab File: BN027342.D  
 Acq: 01 Sep 2023 12:27

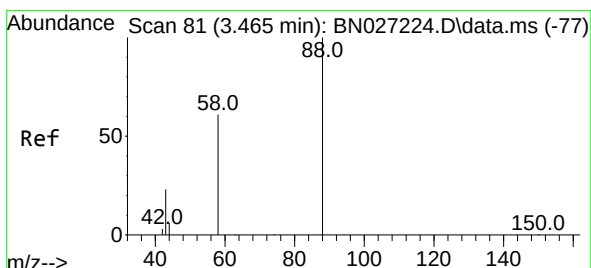
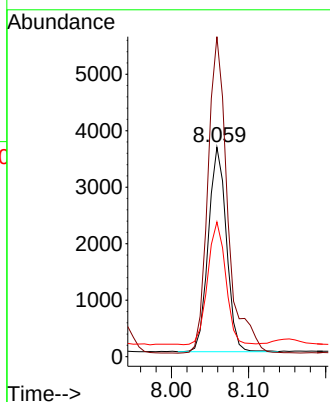
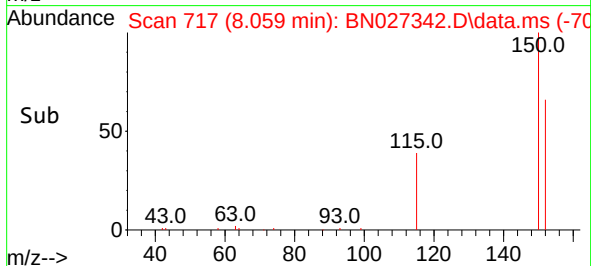
Instrument :  
 BNA\_N  
 ClientSampleId :  
 MW-01-9.5-082923MSD



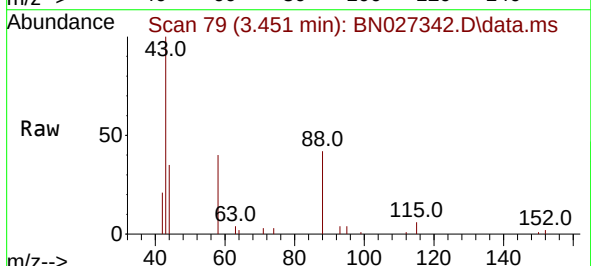
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 Ion Ratio Lower Upper  
 152 100  
 150 152.7 122.7 184.1  
 115 64.3 48.6 73.0

Manual Integrations  
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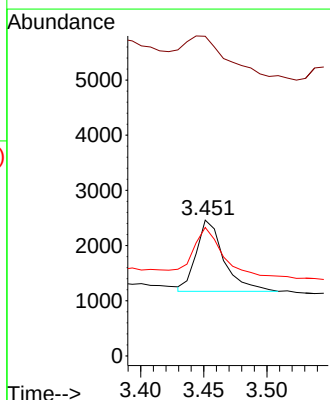
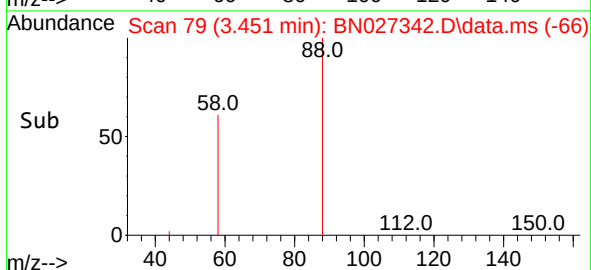
Reviewed By :Yogesh Patel 09/04/2023  
 Supervised By :mohammad ahmed 09/04/2023

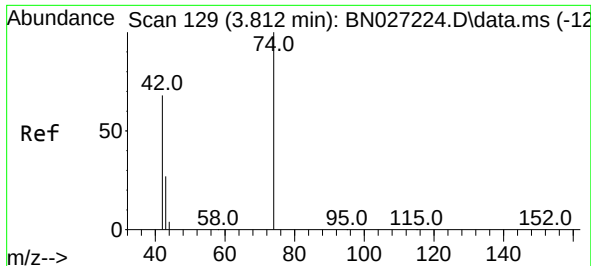


#2  
 1,4-Dioxane  
 Concen: 0.275 ng  
 RT: 3.451 min Scan# 79  
 Delta R.T. -0.007 min  
 Lab File: BN027342.D  
 Acq: 01 Sep 2023 12:27



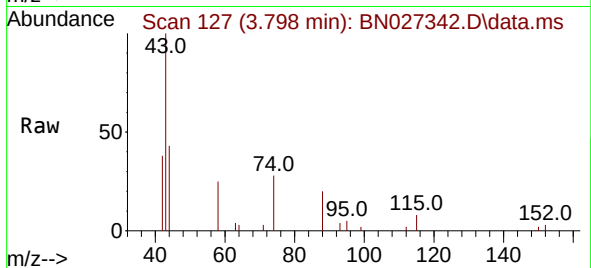
Tgt Ion: 88 Resp: 1969  
 Ion Ratio Lower Upper  
 88 100  
 43 98.0 19.1 28.7#  
 58 73.2 52.2 78.2





#3  
n-Nitrosodimethylamine  
Concen: 0.191 ng  
RT: 3.798 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BN027342.D  
Acq: 01 Sep 2023 12:27

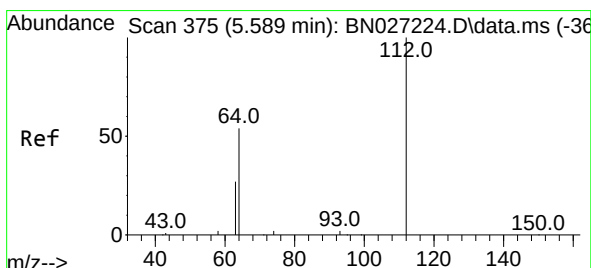
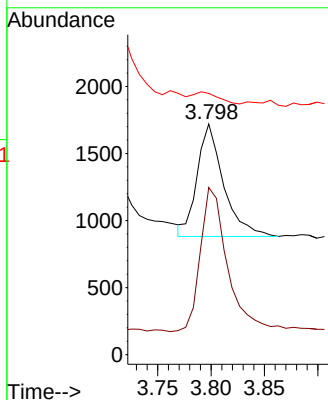
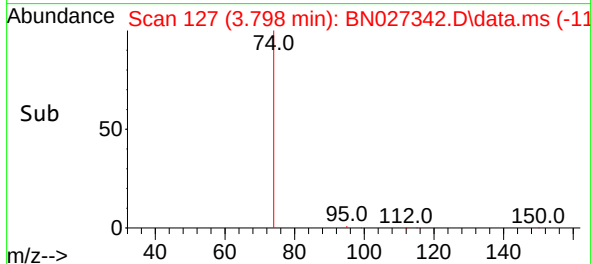
Instrument :  
BNA\_N  
ClientSampleId :  
MW-01-9.5-082923MSD



Tgt Ion: 42 Resp: 1440  
Ion Ratio Lower Upper  
42 100  
74 133.1 113.8 170.8  
44 0.0 7.3 10.9

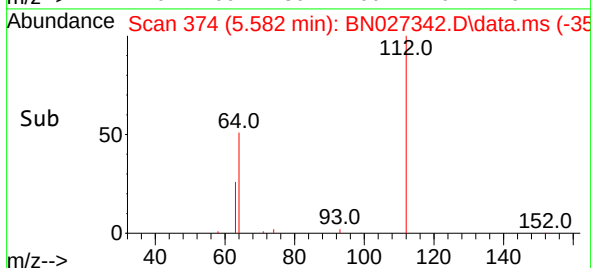
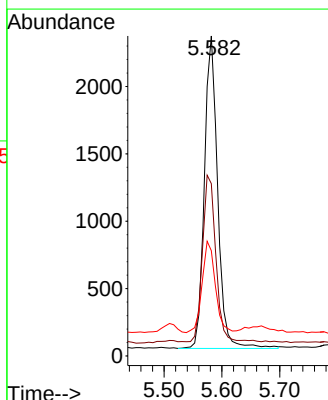
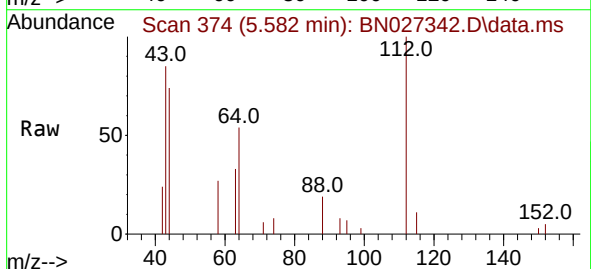
Manual Integrations  
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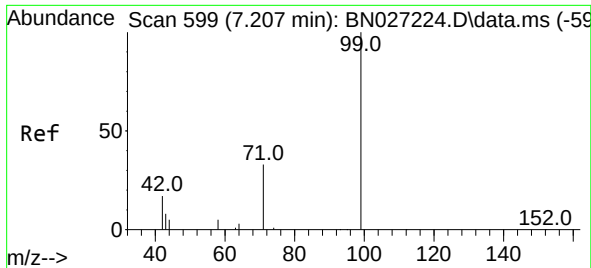
Reviewed By :Yogesh Patel 09/04/2023  
Supervised By :mohammad ahmed 09/04/2023



#4  
2-Fluorophenol  
Concen: 0.243 ng  
RT: 5.582 min Scan# 374  
Delta R.T. 0.007 min  
Lab File: BN027342.D  
Acq: 01 Sep 2023 12:27

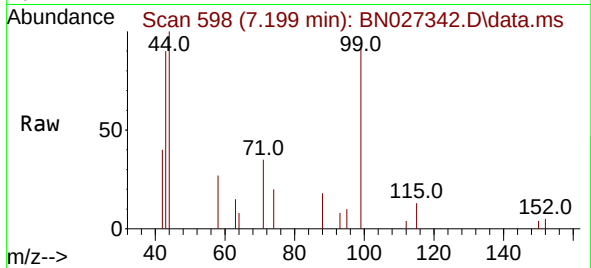
Tgt Ion:112 Resp: 3716  
Ion Ratio Lower Upper  
112 100  
64 52.8 44.4 66.6  
63 28.8 23.1 34.7





#5  
Phenol-d6  
Concen: 0.144 ng  
RT: 7.199 min Scan# 599  
Delta R.T. 0.000 min  
Lab File: BN027342.D  
Acq: 01 Sep 2023 12:27

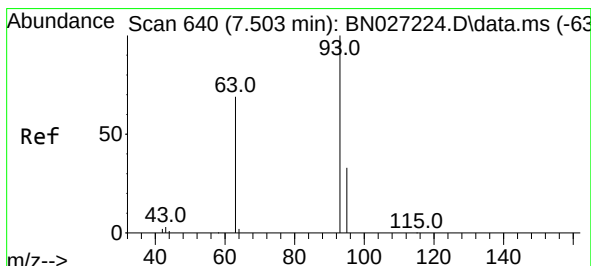
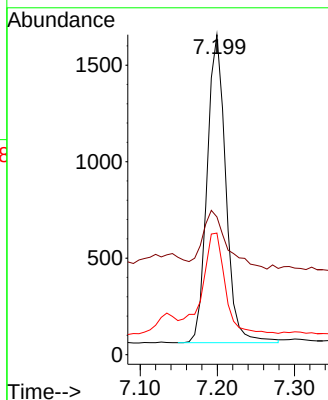
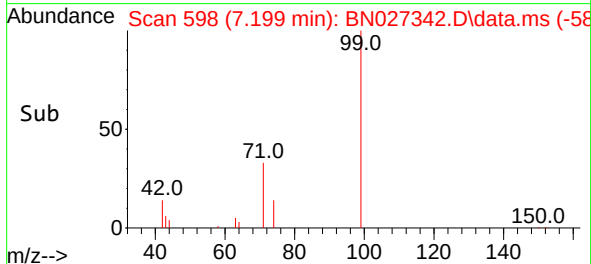
Instrument :  
BNA\_N  
ClientSampleId :  
MW-01-9.5-082923MSD



Tgt Ion: 99 Resp: 2684  
Ion Ratio Lower Upper  
99 100  
42 24.6 14.5 21.7  
71 39.8 25.8 38.6

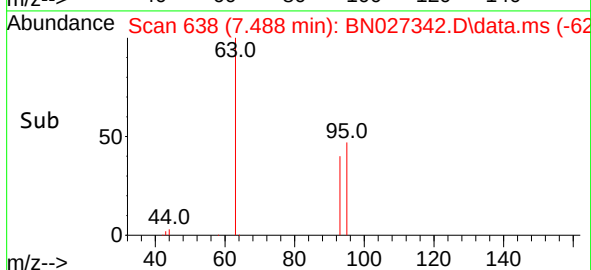
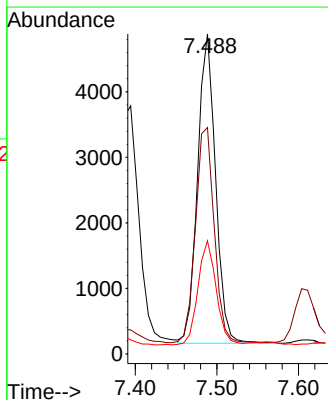
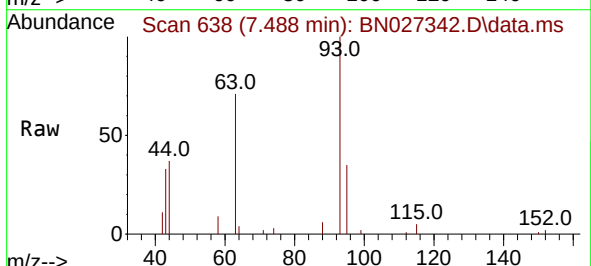
Manual Integrations  
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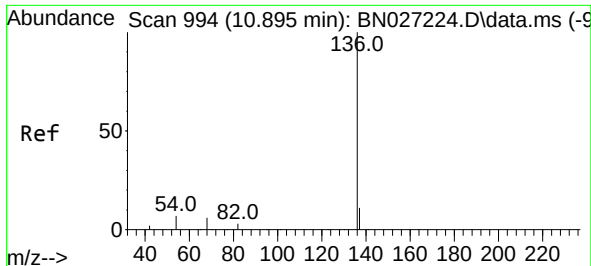
Reviewed By :Yogesh Patel 09/04/2023  
Supervised By :mohammad ahmed 09/04/2023



#6  
bis(2-Chloroethyl)ether  
Concen: 0.403 ng  
RT: 7.488 min Scan# 638  
Delta R.T. 0.000 min  
Lab File: BN027342.D  
Acq: 01 Sep 2023 12:27

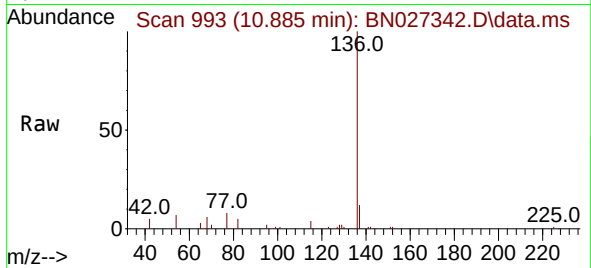
Tgt Ion: 93 Resp: 7237  
Ion Ratio Lower Upper  
93 100  
63 72.5 58.5 87.7  
95 34.3 26.1 39.1





#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.885 min Scan# 994  
Delta R.T. 0.000 min  
Lab File: BN027342.D  
Acq: 01 Sep 2023 12:27

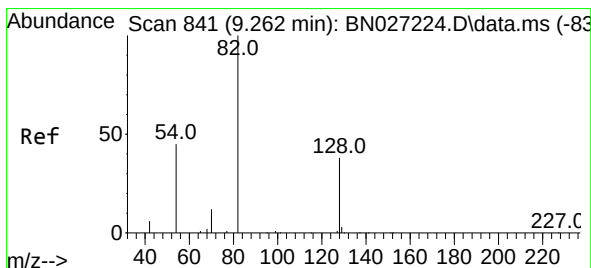
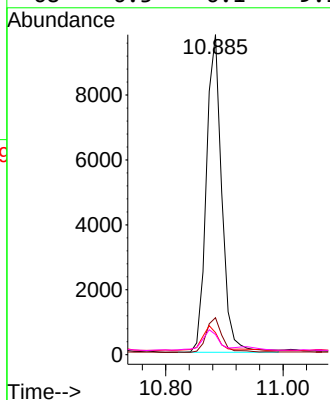
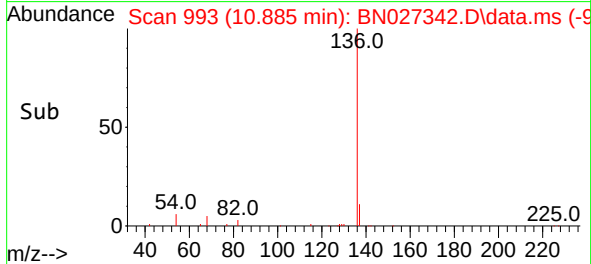
Instrument :  
BNA\_N  
ClientSampleId :  
MW-01-9.5-082923MSD



Tgt Ion:136 Resp: 1788  
Ion Ratio Lower Upper  
136 100  
137 11.5 9.3 13.9  
54 6.9 6.7 10.1  
68 6.3 6.1 9.1

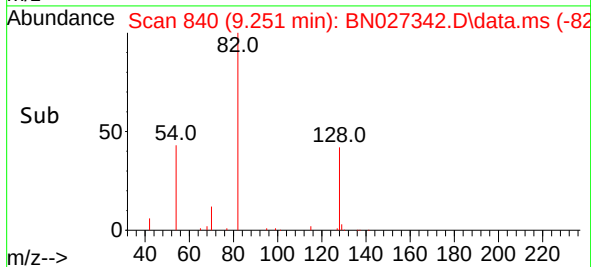
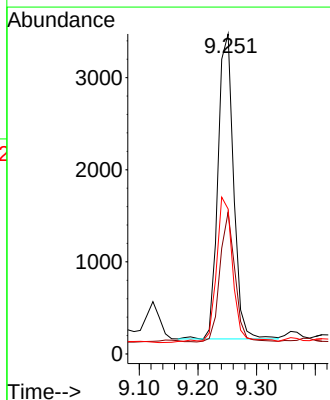
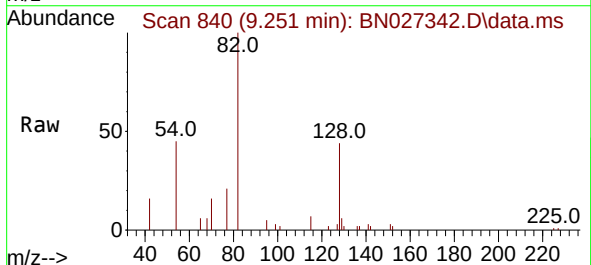
Manual Integrations  
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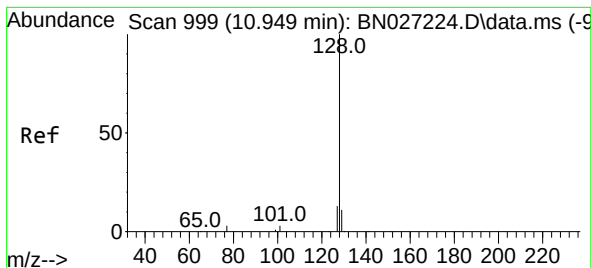
Reviewed By :Yogesh Patel 09/04/2023  
Supervised By :mohammad ahmed 09/04/2023



#8  
Nitrobenzene-d5  
Concen: 0.469 ng  
RT: 9.251 min Scan# 840  
Delta R.T. 0.000 min  
Lab File: BN027342.D  
Acq: 01 Sep 2023 12:27

Tgt Ion: 82 Resp: 6113  
Ion Ratio Lower Upper  
82 100  
128 44.3 33.4 50.0  
54 45.3 37.7 56.5





#9

Naphthalene

Concen: 0.398 ng

RT: 10.928 min Scan# 999

Delta R.T. 0.000 min

Lab File: BN027342.D

Acq: 01 Sep 2023 12:27

Instrument :

BNA\_N

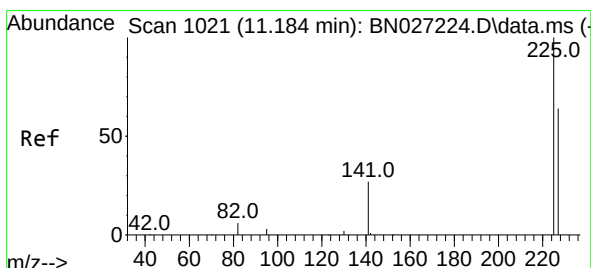
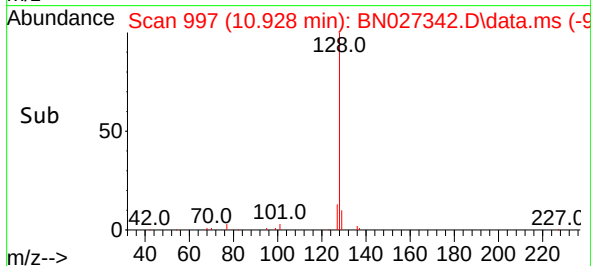
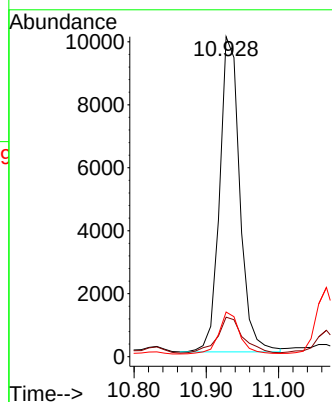
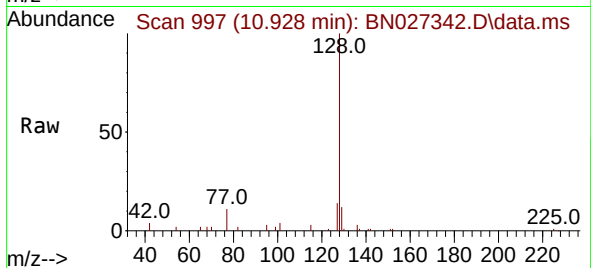
ClientSampleId :

MW-01-9.5-082923MSD

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 128   | Resp: | 19420 |
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 129       | 12.4  | 9.4   | 14.0  |
| 127       | 13.9  | 10.6  | 15.8  |

Manual Integrations  
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Reviewed By :Yogesh Patel 09/04/2023  
Supervised By :mohammad ahmed 09/04/2023



#10

Hexachlorobutadiene

Concen: 0.351 ng

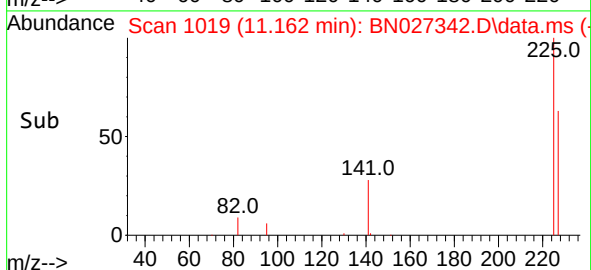
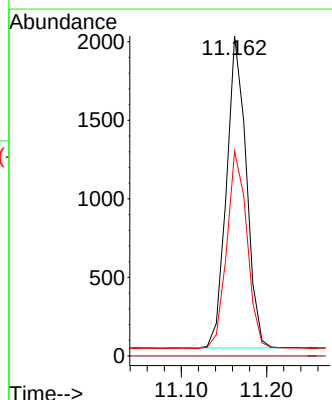
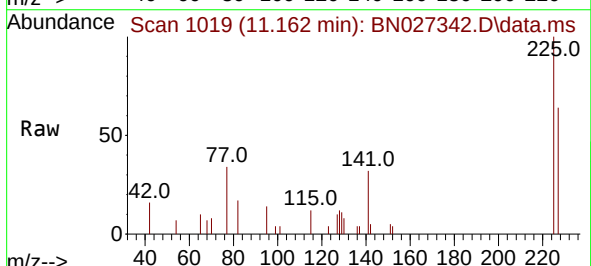
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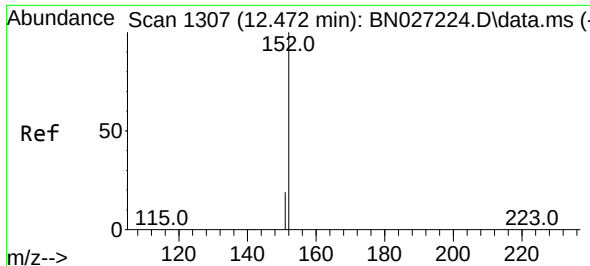
Delta R.T. 0.000 min

Lab File: BN027342.D

Acq: 01 Sep 2023 12:27

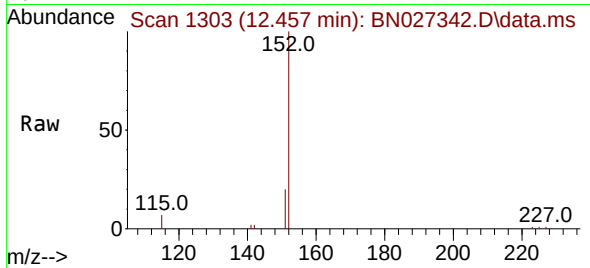
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|-----------|-------|-------|------|
| Tgt Ion:  | 225   | Resp: | 3194 |
| Ion Ratio | Lower | Upper |      |
| 225       | 100   |       |      |
| 223       | 0.0   | 0.0   | 0.0  |
| 227       | 64.5  | 50.6  | 75.8 |





#11  
2-Methylnaphthalene-d10  
Concen: 0.486 ng m  
RT: 12.457 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BN027342.D  
Acq: 01 Sep 2023 12:27

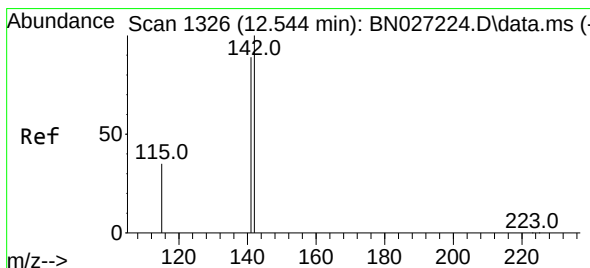
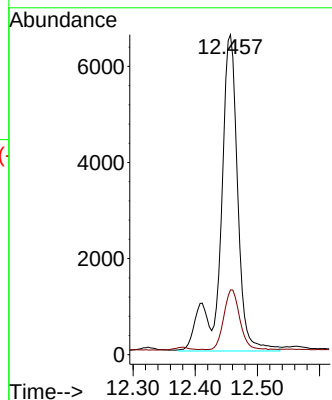
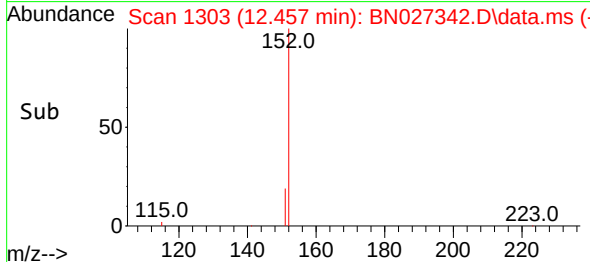
Instrument :  
BNA\_N  
ClientSampleId :  
MW-01-9.5-082923MSD



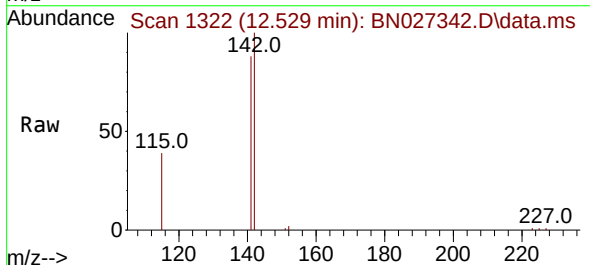
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Ion Ratio Lower Upper  
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151 17.3 16.6 25.0

Manual Integrations  
APPROVED

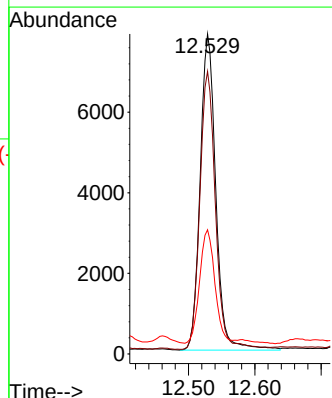
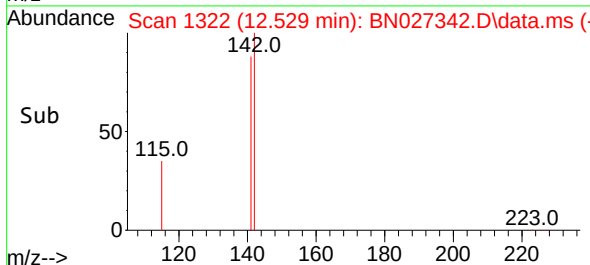
Reviewed By :Yogesh Patel 09/04/2023  
Supervised By :mohammad ahmed 09/04/2023



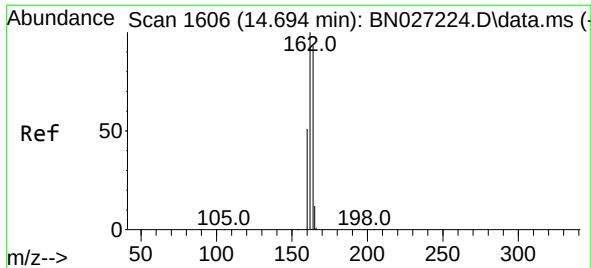
#12  
2-Methylnaphthalene  
Concen: 0.371 ng  
RT: 12.529 min Scan# 1322  
Delta R.T. 0.000 min  
Lab File: BN027342.D  
Acq: 01 Sep 2023 12:27



Tgt Ion:142 Resp: 12879  
Ion Ratio Lower Upper  
142 100  
141 88.3 71.1 106.7  
115 38.8 29.6 44.4

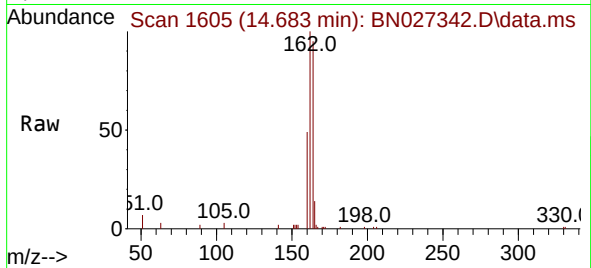






#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.683 min Scan# 1119  
Delta R.T. 0.000 min  
Lab File: BN027342.D  
Acq: 01 Sep 2023 12:27

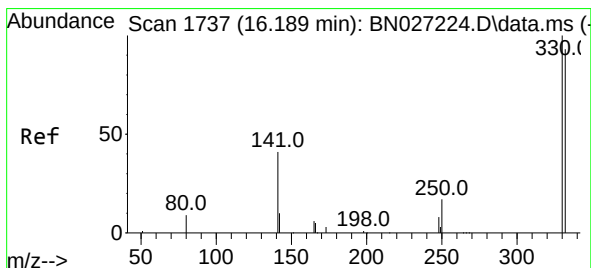
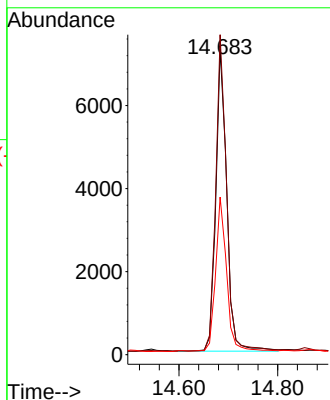
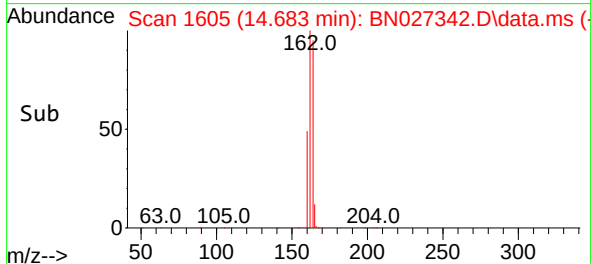
Instrument :  
BNA\_N  
ClientSampleId :  
MW-01-9.5-082923MSD



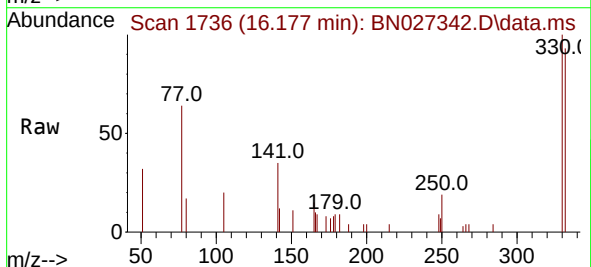
Tgt Ion:164 Resp: 1119  
Ion Ratio Lower Upper  
164 100  
162 104.8 85.8 128.8  
160 51.6 44.2 66.2

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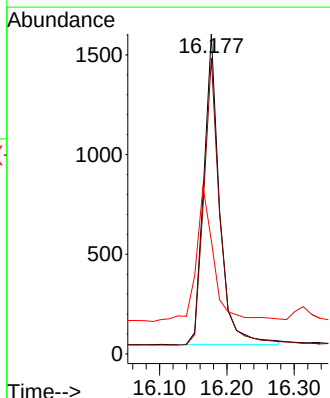
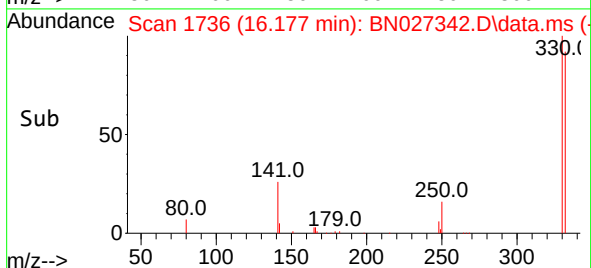
Reviewed By :Yogesh Patel 09/04/2023  
Supervised By :mohammad ahmed 09/04/2023

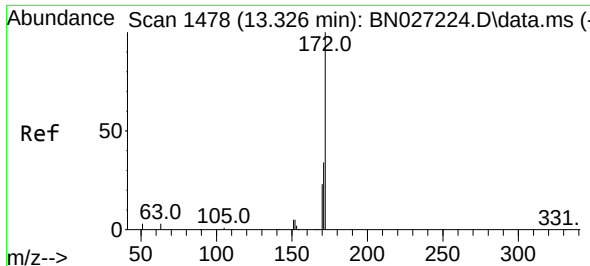


#14  
2,4,6-Tribromophenol  
Concen: 0.616 ng  
RT: 16.177 min Scan# 1736  
Delta R.T. 0.000 min  
Lab File: BN027342.D  
Acq: 01 Sep 2023 12:27



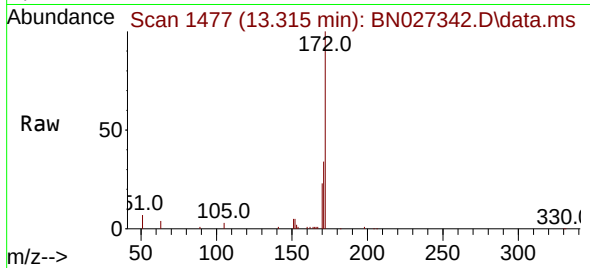
Tgt Ion:330 Resp: 2553  
Ion Ratio Lower Upper  
330 100  
332 94.3 75.2 112.8  
141 44.3 36.2 54.4





#15  
2-Fluorobiphenyl  
Concen: 0.453 ng  
RT: 13.315 min Scan# 1477  
Delta R.T. 0.000 min  
Lab File: BN027342.D  
Acq: 01 Sep 2023 12:27

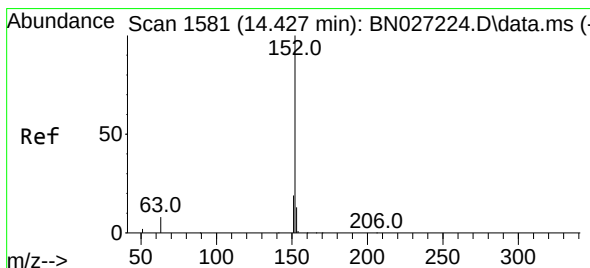
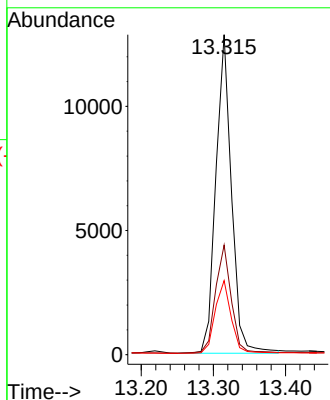
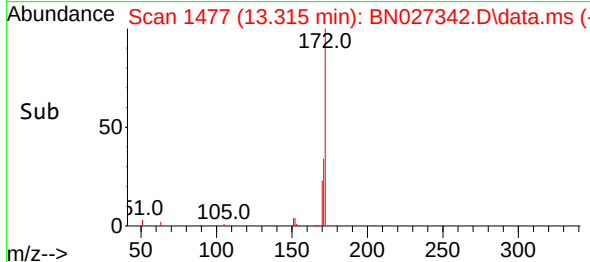
Instrument :  
BNA\_N  
ClientSampleId :  
MW-01-9.5-082923MSD



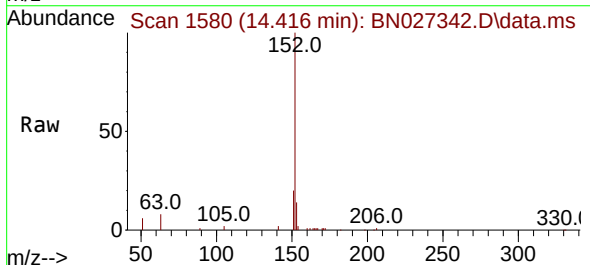
Tgt Ion:172 Resp: 19260  
Ion Ratio Lower Upper  
172 100  
171 34.2 27.8 41.8  
170 23.2 19.3 28.9

Manual Integrations  
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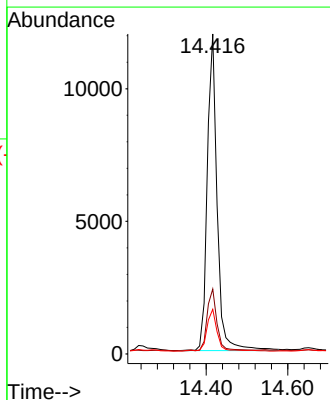
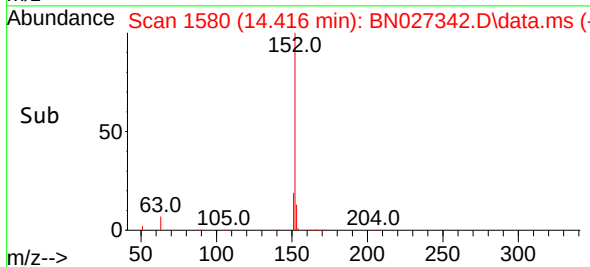
Reviewed By :Yogesh Patel 09/04/2023  
Supervised By :mohammad ahmed 09/04/2023

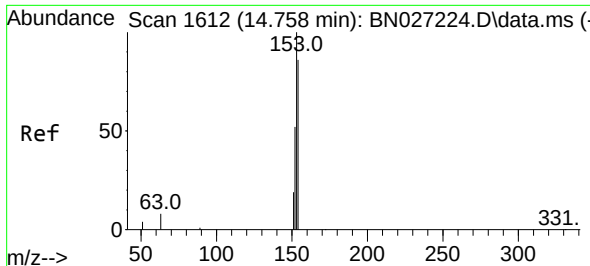


#16  
Acenaphthylene  
Concen: 0.396 ng  
RT: 14.416 min Scan# 1580  
Delta R.T. 0.000 min  
Lab File: BN027342.D  
Acq: 01 Sep 2023 12:27



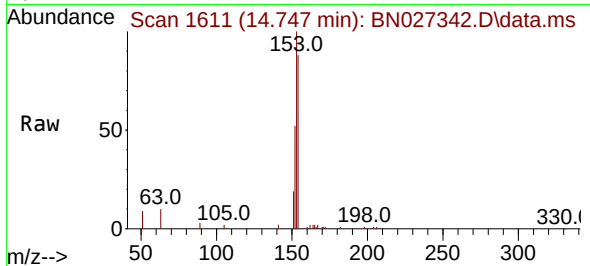
Tgt Ion:152 Resp: 20174  
Ion Ratio Lower Upper  
152 100  
151 19.5 15.5 23.3  
153 13.9 10.3 15.5





#17  
Acenaphthene  
Concen: 0.386 ng  
RT: 14.747 min Scan# 1611  
Delta R.T. 0.000 min  
Lab File: BN027342.D  
Acq: 01 Sep 2023 12:27

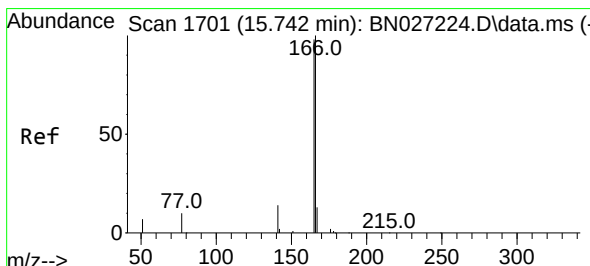
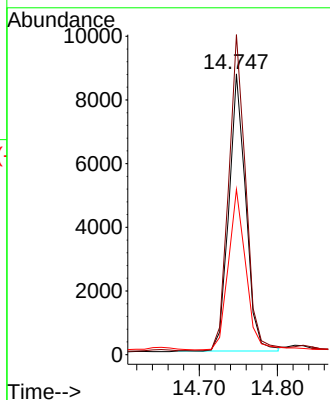
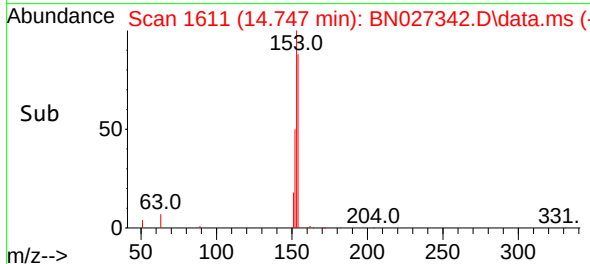
Instrument :  
BNA\_N  
ClientSampleId :  
MW-01-9.5-082923MSD



Tgt Ion:154 Resp: 1311  
Ion Ratio Lower Upper  
154 100  
153 115.8 93.1 139.7  
152 60.2 48.6 73.0

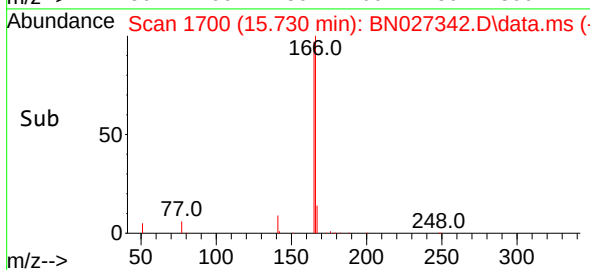
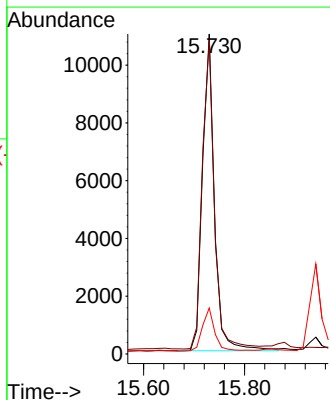
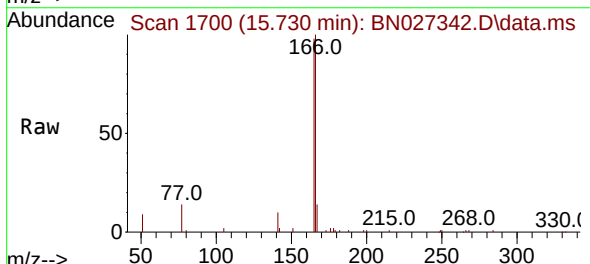
Manual Integrations  
APPROVED

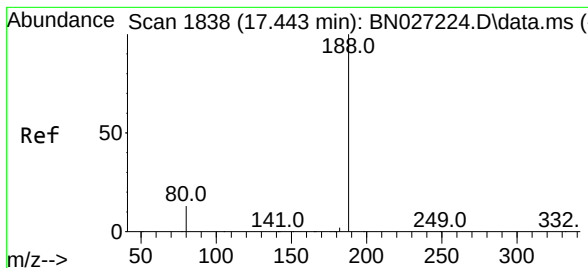
Reviewed By :Yogesh Patel 09/04/2023  
Supervised By :mohammad ahmed 09/04/2023



#18  
Fluorene  
Concen: 0.400 ng  
RT: 15.730 min Scan# 1700  
Delta R.T. 0.000 min  
Lab File: BN027342.D  
Acq: 01 Sep 2023 12:27

Tgt Ion:166 Resp: 18120  
Ion Ratio Lower Upper  
166 100  
165 97.9 79.0 118.4  
167 13.9 10.8 16.2





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.430 min Scan# 11

Delta R.T. 0.000 min

Lab File: BN027342.D

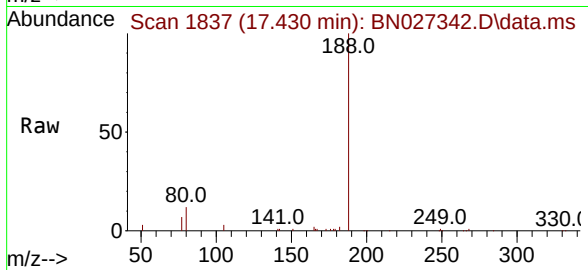
Acq: 01 Sep 2023 12:27

Instrument :

BNA\_N

ClientSampleId :

MW-01-9.5-082923MSD



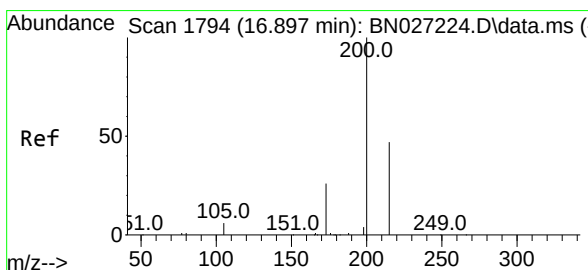
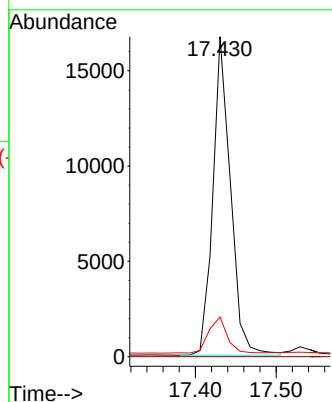
|             |       |       |
|-------------|-------|-------|
| Tgt Ion:188 | Resp: | 2540  |
| Ion Ratio   | Lower | Upper |
| 188         | 100   |       |
| 94          | 0.0   | 0.0   |
| 80          | 12.4  | 11.0  |

Manual Integrations

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Reviewed By :Yogesh Patel 09/04/2023

Supervised By :mohammad ahmed 09/04/2023



#20

4,6-Dinitro-2-methylphenol

Concen: 0.420 ng

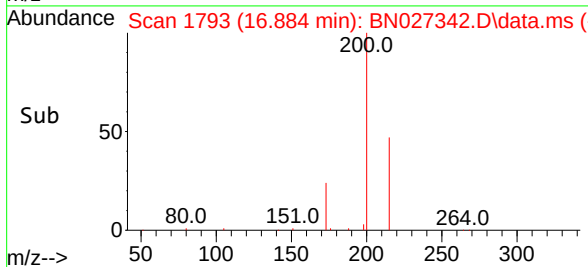
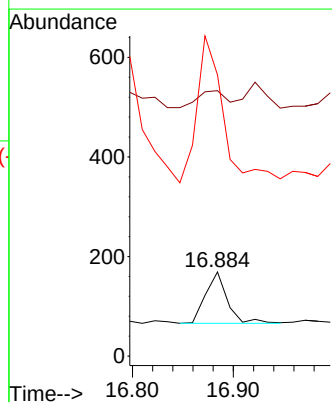
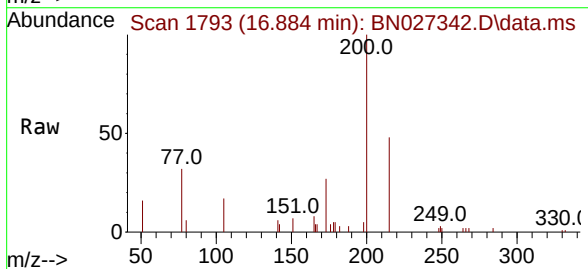
RT: 16.884 min Scan# 1793

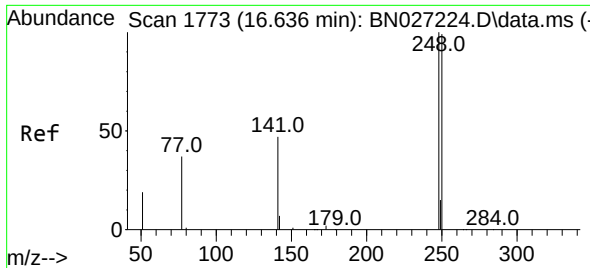
Delta R.T. 0.000 min

Lab File: BN027342.D

Acq: 01 Sep 2023 12:27

|             |       |       |
|-------------|-------|-------|
| Tgt Ion:198 | Resp: | 152   |
| Ion Ratio   | Lower | Upper |
| 198         | 100   |       |
| 51          | 315.4 | 282.2 |
| 105         | 334.3 | 168.7 |





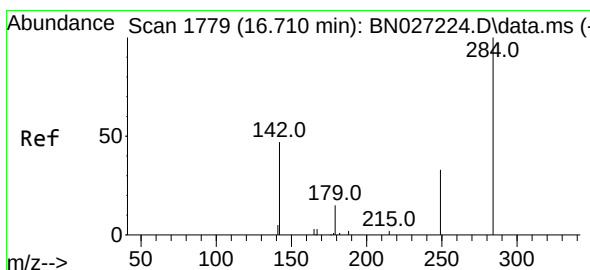
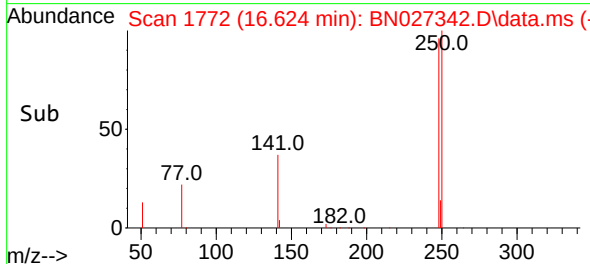
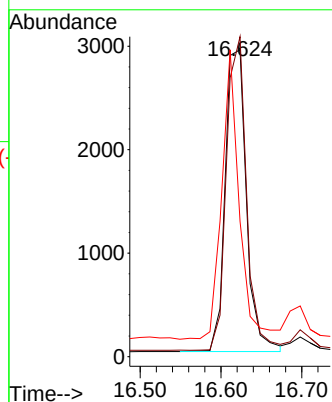
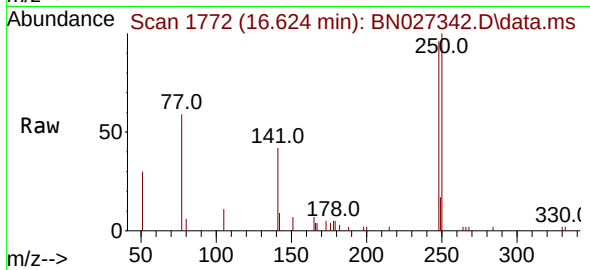
#21  
4-Bromophenyl-phenylether  
Concen: 0.398 ng  
RT: 16.624 min Scan# 1772  
Delta R.T. 0.000 min  
Lab File: BN027342.D  
Acq: 01 Sep 2023 12:27

Instrument :  
BNA\_N  
ClientSampleId :  
MW-01-9.5-082923MSD

Tgt Ion:248 Resp: 533  
Ion Ratio Lower Upper  
248 100  
250 104.2 79.7 119.5  
141 44.1 39.8 59.8

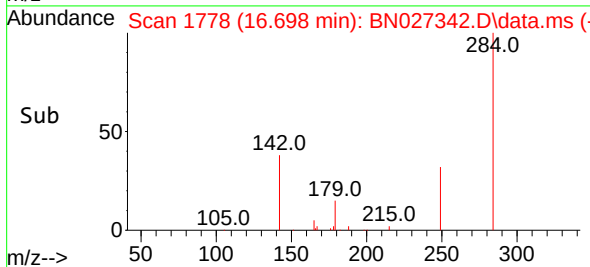
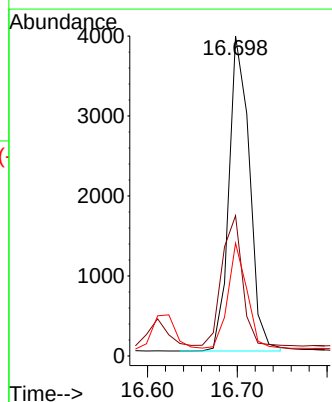
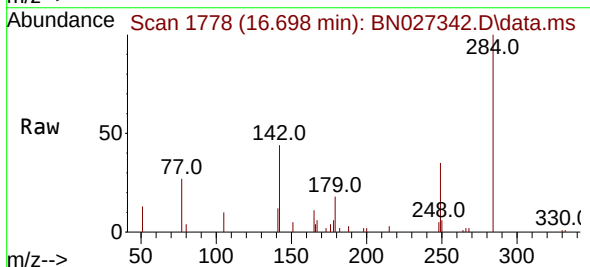
Manual Integrations  
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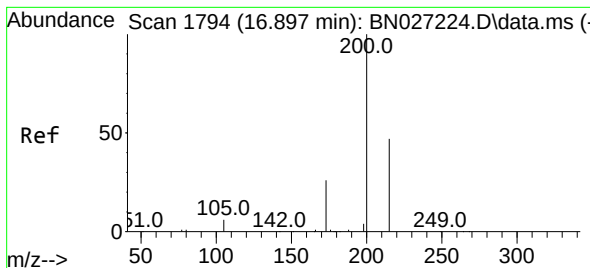
Reviewed By :Yogesh Patel 09/04/2023  
Supervised By :mohammad ahmed 09/04/2023



#22  
Hexachlorobenzene  
Concen: 0.393 ng  
RT: 16.698 min Scan# 1778  
Delta R.T. 0.000 min  
Lab File: BN027342.D  
Acq: 01 Sep 2023 12:27

Tgt Ion:284 Resp: 6246  
Ion Ratio Lower Upper  
284 100  
142 40.8 32.9 49.3  
249 30.6 24.3 36.5





#23

Atrazine

Concen: 0.462 ng

RT: 16.884 min Scan# 11

Delta R.T. 0.000 min

Lab File: BN027342.D

Acq: 01 Sep 2023 12:27

Instrument :

BNA\_N

ClientSampleId :

MW-01-9.5-082923MSD

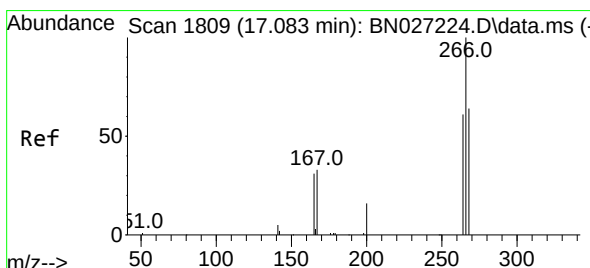
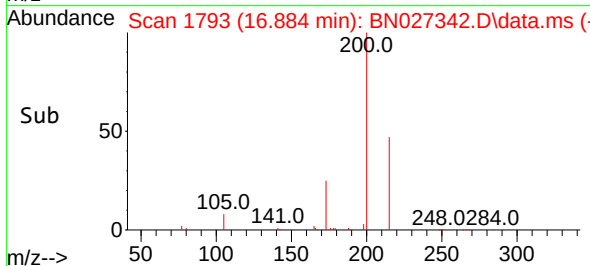
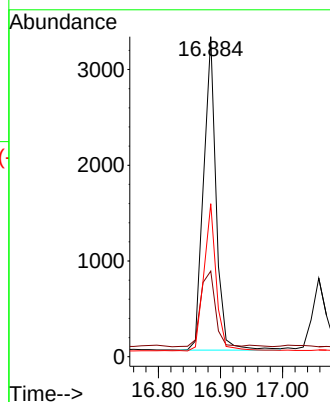
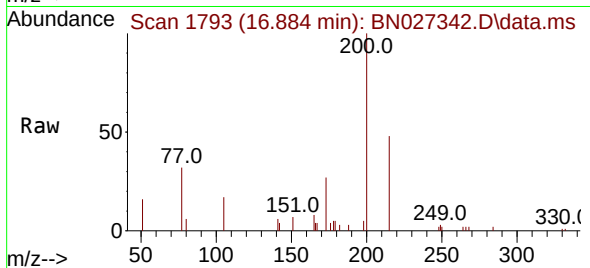
Tgt Ion:200 Resp: 463  
 Ion Ratio Lower Upper  
 200 100  
 173 26.8 22.5 33.7  
 215 47.8 39.0 58.6

Manual Integrations

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Reviewed By :Yogesh Patel 09/04/2023

Supervised By :mohammad ahmed 09/04/2023



#24

Pentachlorophenol

Concen: 1.006 ng

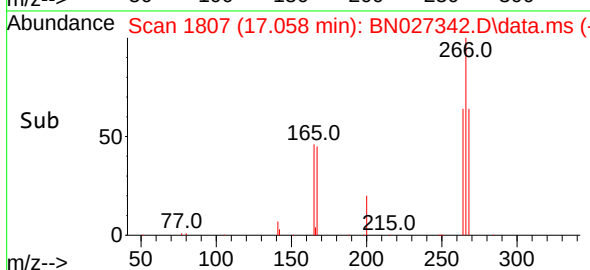
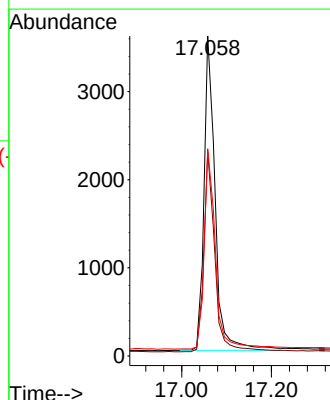
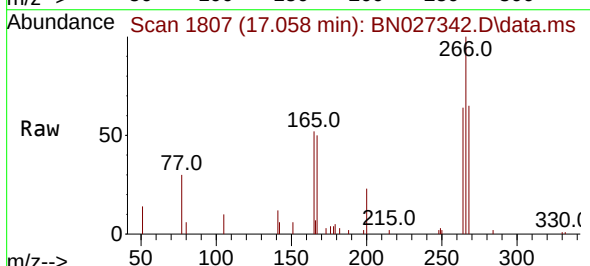
RT: 17.058 min Scan# 1807

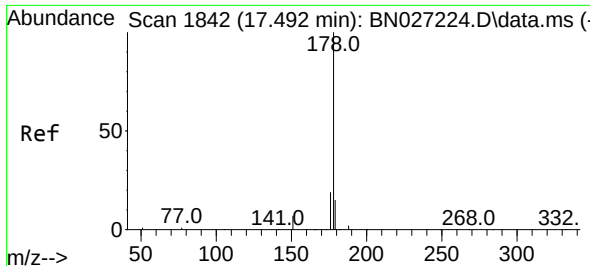
Delta R.T. -0.012 min

Lab File: BN027342.D

Acq: 01 Sep 2023 12:27

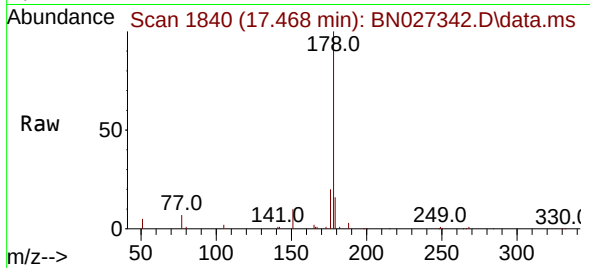
Tgt Ion:266 Resp: 6148  
 Ion Ratio Lower Upper  
 266 100  
 264 63.0 50.3 75.5  
 268 64.7 52.0 78.0





#25  
Phenanthrene  
Concen: 0.409 ng  
RT: 17.468 min Scan# 1840  
Delta R.T. -0.012 min  
Lab File: BN027342.D  
Acq: 01 Sep 2023 12:27

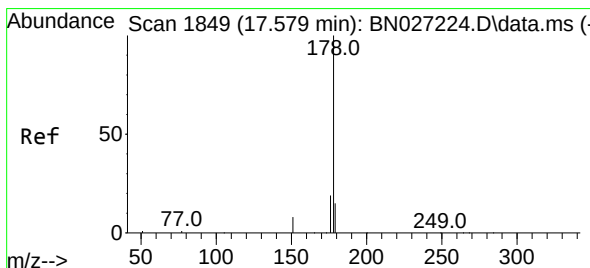
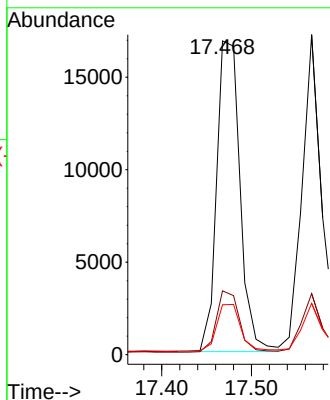
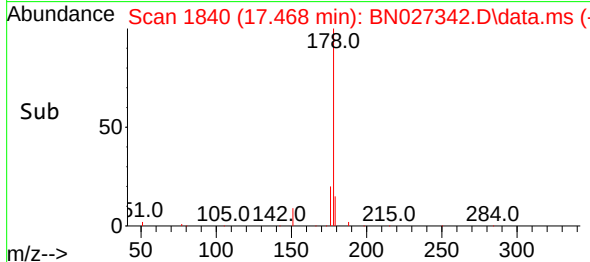
Instrument :  
BNA\_N  
ClientSampleId :  
MW-01-9.5-082923MSD



Tgt Ion:178 Resp: 30512  
Ion Ratio Lower Upper  
178 100  
176 19.2 15.6 23.4  
179 15.4 12.3 18.5

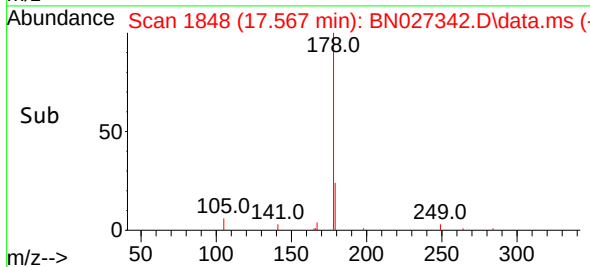
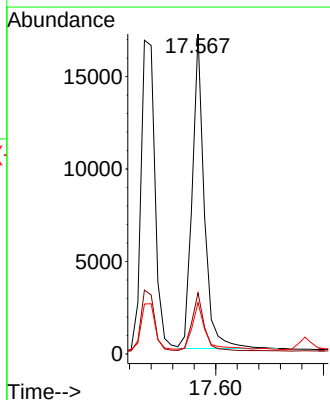
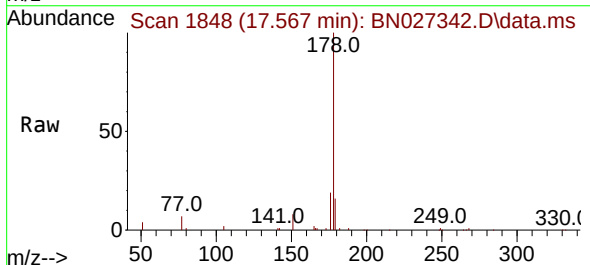
Manual Integrations  
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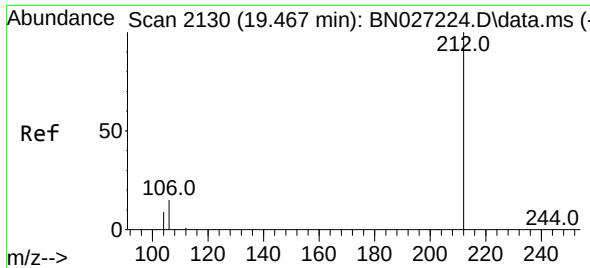
Reviewed By :Yogesh Patel 09/04/2023  
Supervised By :mohammad ahmed 09/04/2023



#26  
Anthracene  
Concen: 0.417 ng  
RT: 17.567 min Scan# 1848  
Delta R.T. 0.000 min  
Lab File: BN027342.D  
Acq: 01 Sep 2023 12:27

Tgt Ion:178 Resp: 26448  
Ion Ratio Lower Upper  
178 100  
176 18.5 14.9 22.3  
179 15.3 12.0 18.0





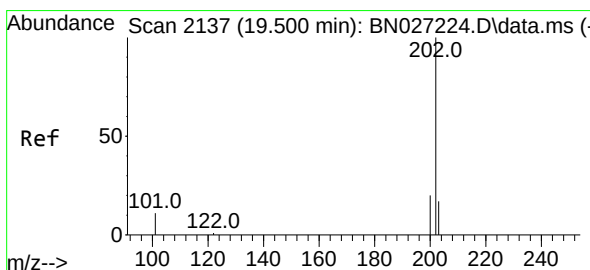
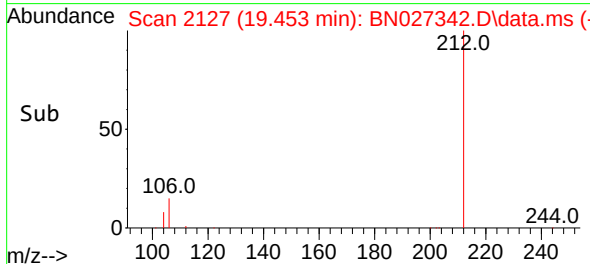
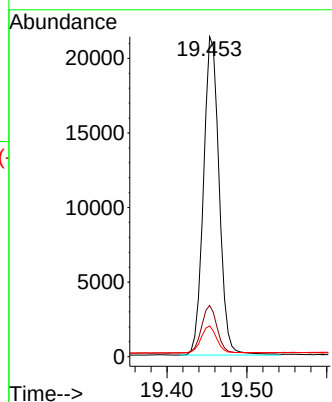
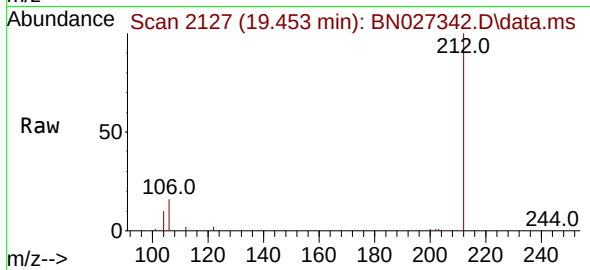
#27  
Fluoranthene-d10  
Concen: 0.461 ng  
RT: 19.453 min Scan# 2113  
Delta R.T. -0.004 min  
Lab File: BN027342.D  
Acq: 01 Sep 2023 12:27

Instrument :  
BNA\_N  
ClientSampleId :  
MW-01-9.5-082923MSD

Tgt Ion:212 Resp: 2913  
Ion Ratio Lower Upper  
212 100  
106 14.9 12.1 18.1  
104 8.3 6.9 10.3

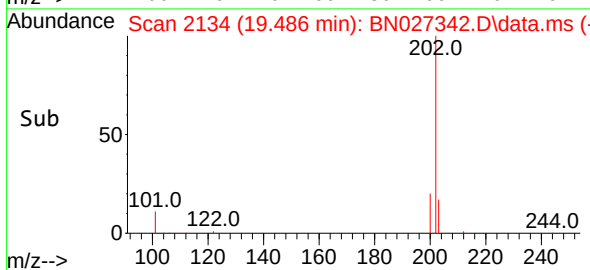
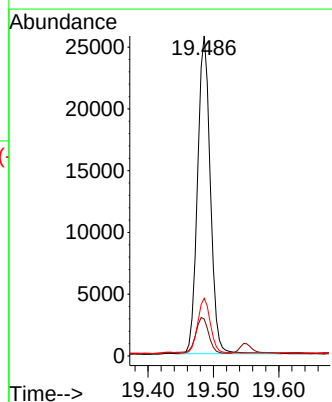
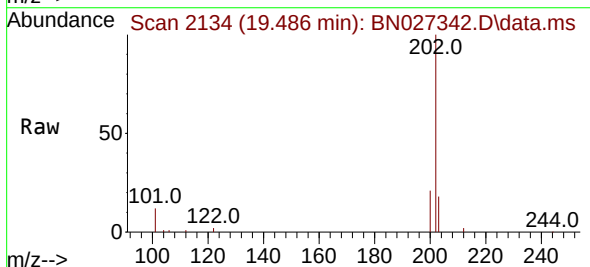
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 09/04/2023  
Supervised By :mohammad ahmed 09/04/2023

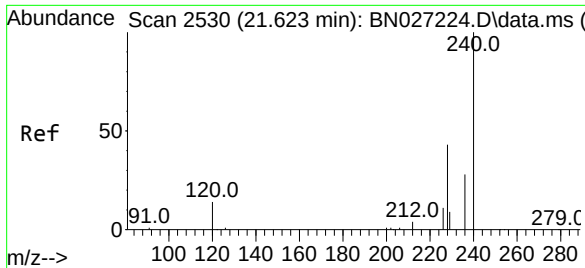


#28  
Fluoranthene  
Concen: 0.397 ng  
RT: 19.486 min Scan# 2134  
Delta R.T. 0.000 min  
Lab File: BN027342.D  
Acq: 01 Sep 2023 12:27

Tgt Ion:202 Resp: 34850  
Ion Ratio Lower Upper  
202 100  
101 12.4 9.6 14.4  
203 17.1 13.6 20.4

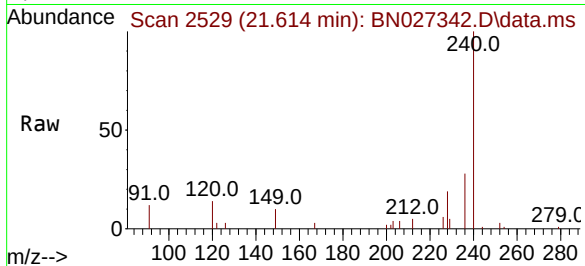






#29  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.614 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: BN027342.D  
Acq: 01 Sep 2023 12:27

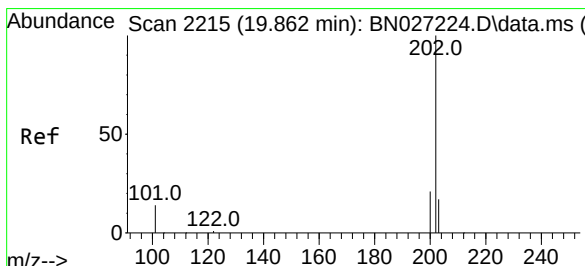
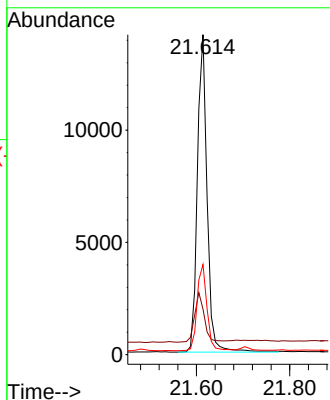
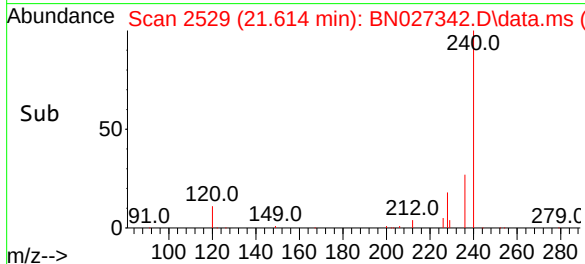
Instrument :  
BNA\_N  
ClientSampleId :  
MW-01-9.5-082923MSD



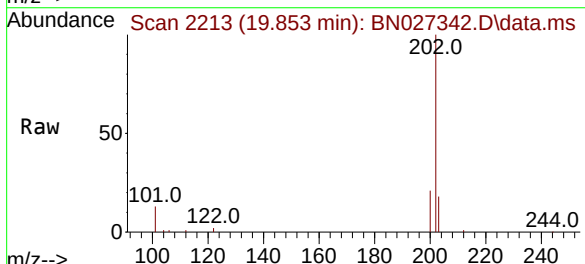
Tgt Ion:240 Resp: 2046  
Ion Ratio Lower Upper  
240 100  
120 14.2 14.2 21.4  
236 28.2 22.9 34.3

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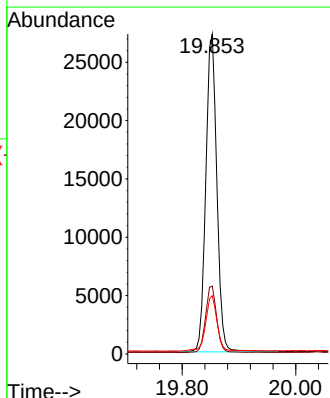
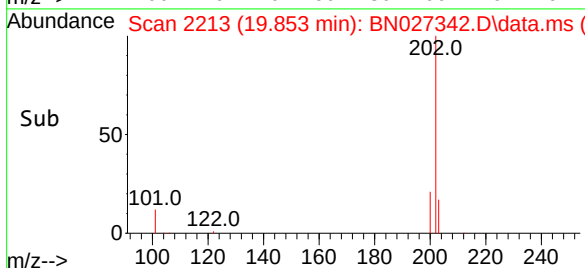
Reviewed By :Yogesh Patel 09/04/2023  
Supervised By :mohammad ahmed 09/04/2023

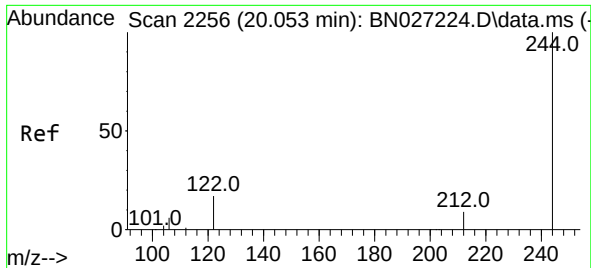


#30  
Pyrene  
Concen: 0.452 ng  
RT: 19.853 min Scan# 2213  
Delta R.T. 0.000 min  
Lab File: BN027342.D  
Acq: 01 Sep 2023 12:27



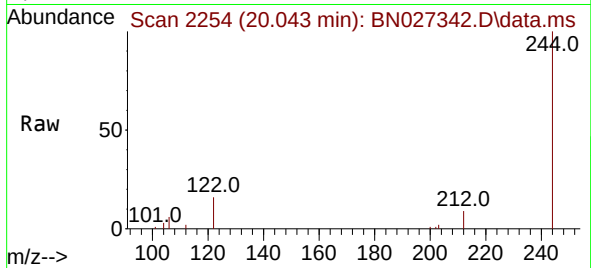
Tgt Ion:202 Resp: 36787  
Ion Ratio Lower Upper  
202 100  
200 20.9 16.6 25.0  
203 17.8 14.2 21.4





#31  
 Terphenyl-d14  
 Concen: 0.567 ng  
 RT: 20.043 min Scan# 21  
 Delta R.T. 0.000 min  
 Lab File: BN027342.D  
 Acq: 01 Sep 2023 12:27

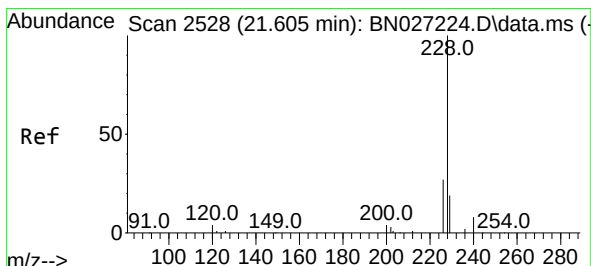
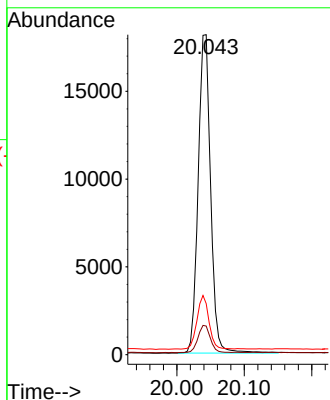
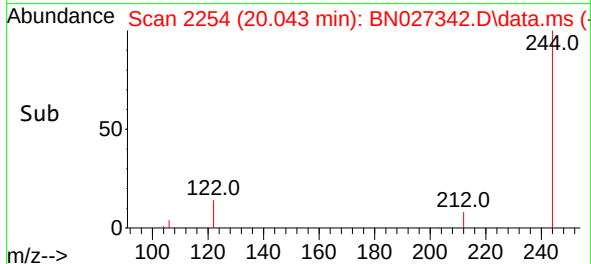
Instrument :  
 BNA\_N  
 ClientSampleId :  
 MW-01-9.5-082923MSD



Tgt Ion:244 Resp: 23294  
 Ion Ratio Lower Upper  
 244 100  
 212 9.0 7.5 11.3  
 122 15.9 14.0 21.0

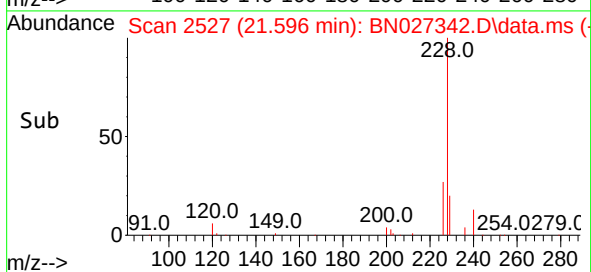
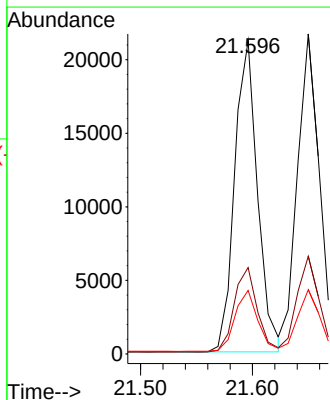
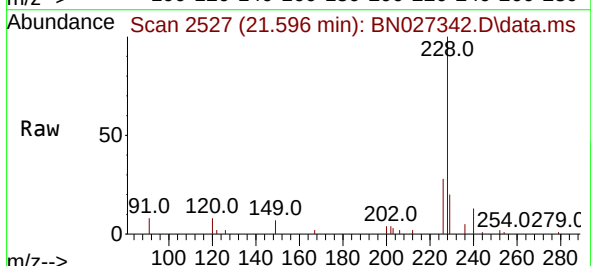
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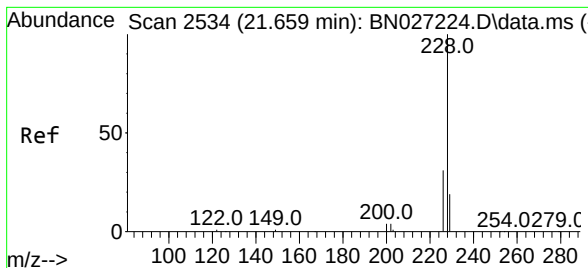
Reviewed By :Yogesh Patel 09/04/2023  
 Supervised By :mohammad ahmed 09/04/2023



#32  
 Benzo(a)anthracene  
 Concen: 0.430 ng  
 RT: 21.596 min Scan# 2527  
 Delta R.T. 0.000 min  
 Lab File: BN027342.D  
 Acq: 01 Sep 2023 12:27

Tgt Ion:228 Resp: 30137  
 Ion Ratio Lower Upper  
 228 100  
 226 27.6 21.9 32.9  
 229 20.3 15.7 23.5





#33

Chrysene

Concen: 0.389 ng

RT: 21.650 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN027342.D

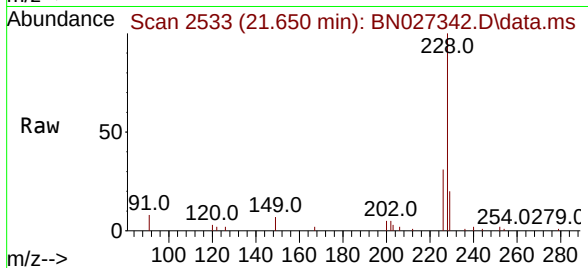
Acq: 01 Sep 2023 12:27

Instrument :

BNA\_N

ClientSampleId :

MW-01-9.5-082923MSD



Tgt Ion:228 Resp: 2998

Ion Ratio Lower Upper

228 100

226 30.5 24.3 36.5

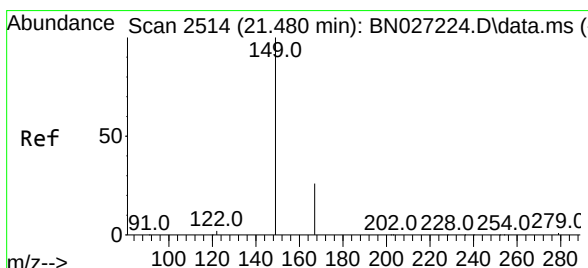
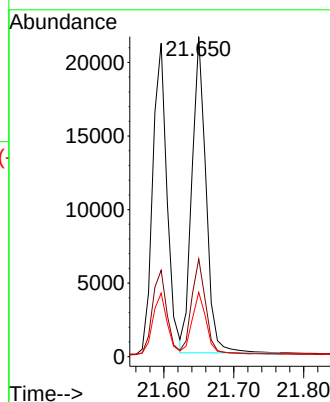
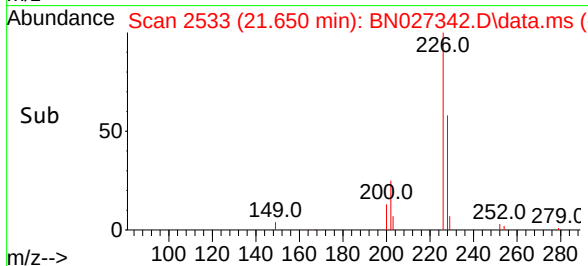
229 20.1 15.4 23.2

Manual Integrations

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Reviewed By :Yogesh Patel 09/04/2023

Supervised By :mohammad ahmed 09/04/2023



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.423 ng

RT: 21.471 min Scan# 2513

Delta R.T. 0.000 min

Lab File: BN027342.D

Acq: 01 Sep 2023 12:27

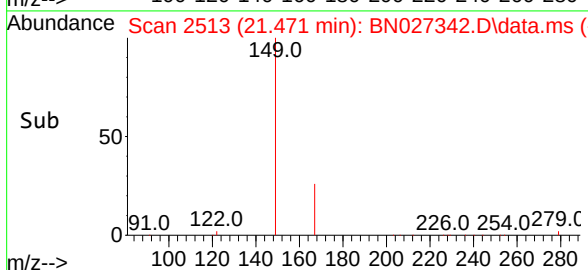
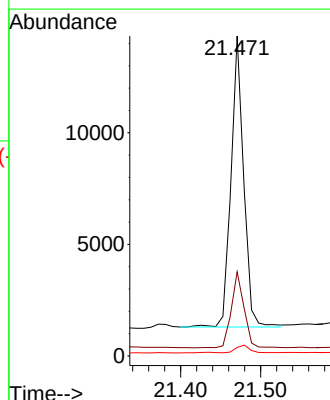
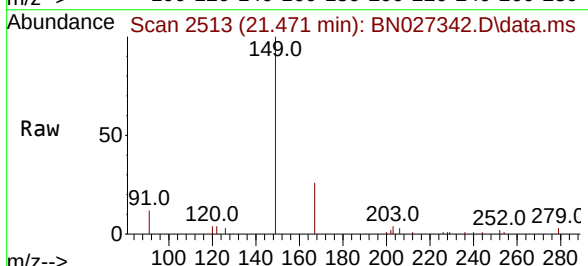
Tgt Ion:149 Resp: 14310

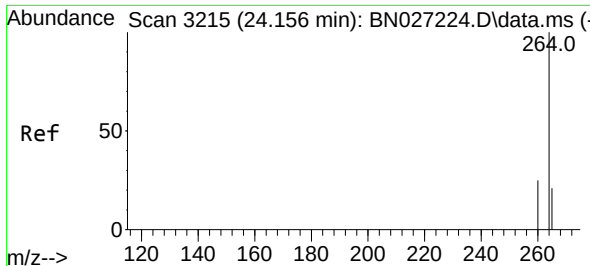
Ion Ratio Lower Upper

149 100

167 25.9 22.1 33.1

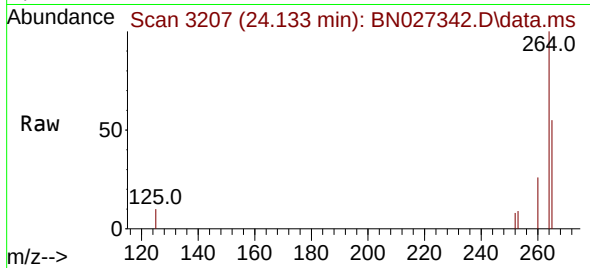
279 2.8 2.7 4.1





#35  
 Perylene-d12  
 Concen: 0.400 ng  
 RT: 24.133 min Scan# 3115  
 Delta R.T. -0.003 min  
 Lab File: BN027342.D  
 Acq: 01 Sep 2023 12:27

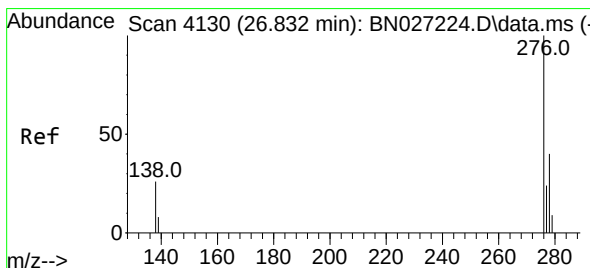
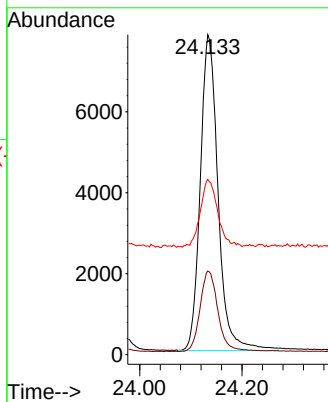
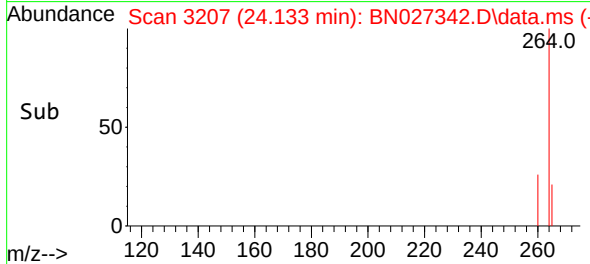
Instrument :  
 BNA\_N  
 ClientSampleId :  
 MW-01-9.5-082923MSD



Tgt Ion:264 Resp: 1880  
 Ion Ratio Lower Upper  
 264 100  
 260 26.1 20.7 31.1  
 265 54.8 53.3 79.9

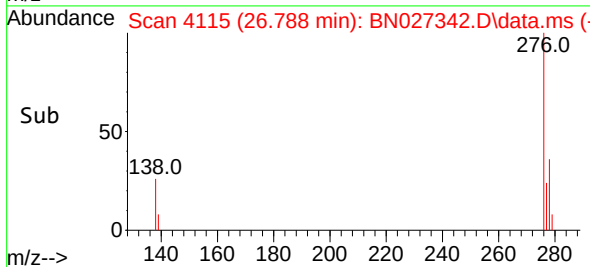
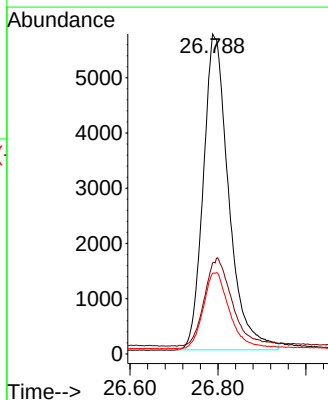
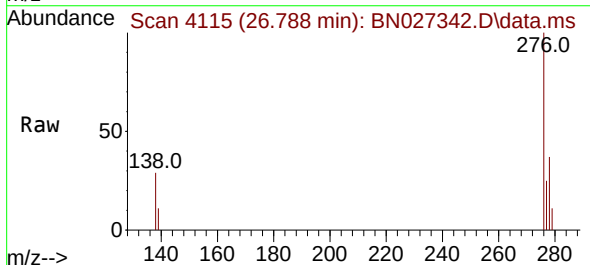
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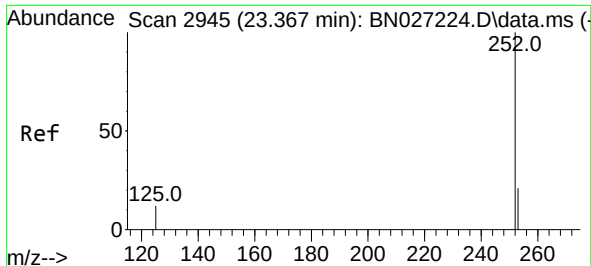
Reviewed By :Yogesh Patel 09/04/2023  
 Supervised By :mohammad ahmed 09/04/2023



#36  
 Indeno(1,2,3-cd)pyrene  
 Concen: 0.301 ng  
 RT: 26.788 min Scan# 4115  
 Delta R.T. -0.014 min  
 Lab File: BN027342.D  
 Acq: 01 Sep 2023 12:27

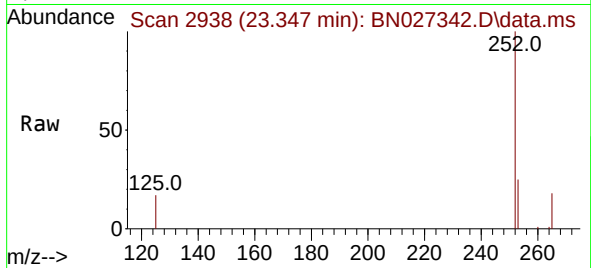
Tgt Ion:276 Resp: 22966  
 Ion Ratio Lower Upper  
 276 100  
 138 30.0 23.4 35.2  
 277 24.9 19.8 29.8





#37  
Benzo(b)fluoranthene  
Concen: 0.388 ng  
RT: 23.347 min Scan# 2945  
Delta R.T. -0.003 min  
Lab File: BN027342.D  
Acq: 01 Sep 2023 12:27

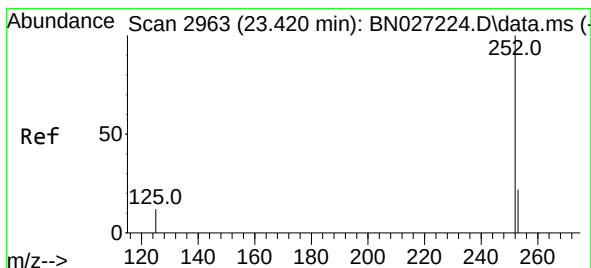
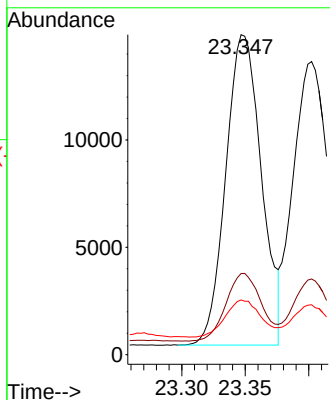
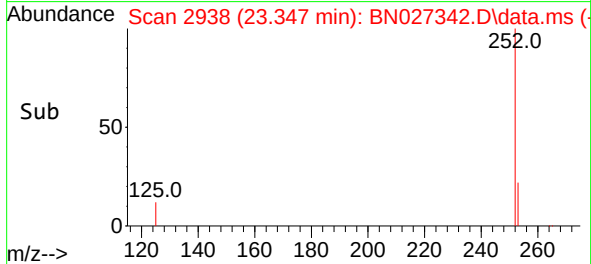
Instrument :  
BNA\_N  
ClientSampleId :  
MW-01-9.5-082923MSD



Tgt Ion:252 Resp: 28220  
Ion Ratio Lower Upper  
252 100  
253 25.4 19.9 29.9  
125 17.1 13.8 20.6

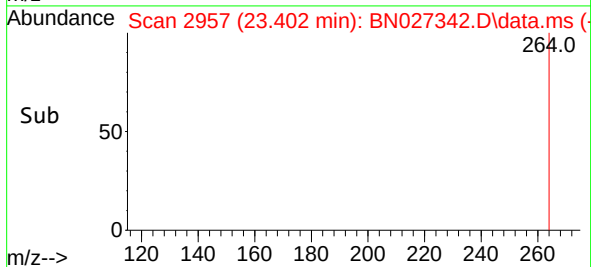
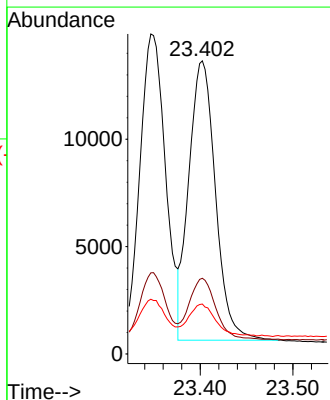
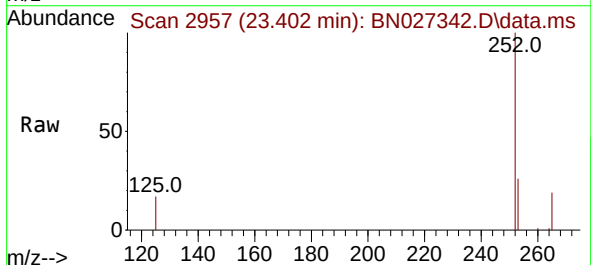
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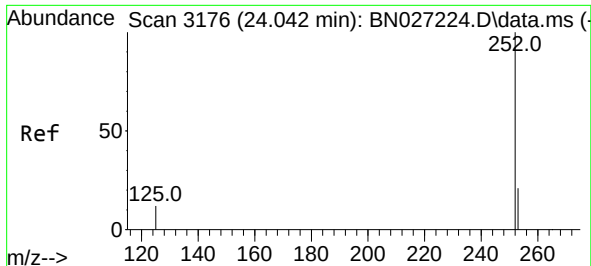
Reviewed By :Yogesh Patel 09/04/2023  
Supervised By :mohammad ahmed 09/04/2023



#38  
Benzo(k)fluoranthene  
Concen: 0.348 ng  
RT: 23.402 min Scan# 2957  
Delta R.T. 0.003 min  
Lab File: BN027342.D  
Acq: 01 Sep 2023 12:27

Tgt Ion:252 Resp: 26020  
Ion Ratio Lower Upper  
252 100  
253 25.8 20.2 30.2  
125 17.0 14.1 21.1





#39

Benzo(a)pyrene

Concen: 0.324 ng

RT: 24.022 min Scan# 3176

Delta R.T. -0.003 min

Lab File: BN027342.D

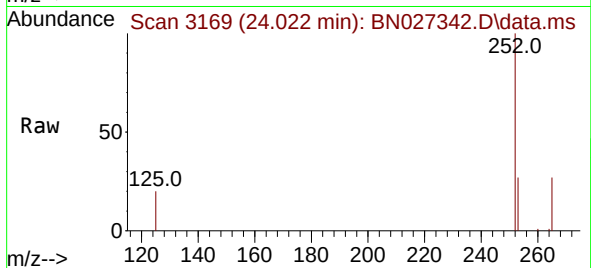
Acq: 01 Sep 2023 12:27

Instrument :

BNA\_N

ClientSampleId :

MW-01-9.5-082923MSD



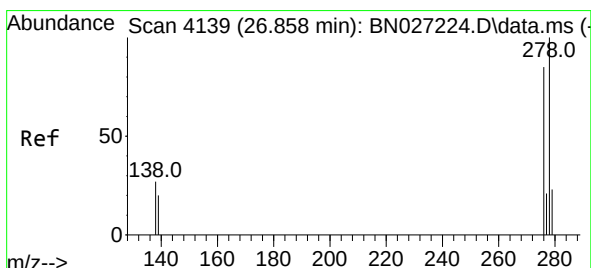
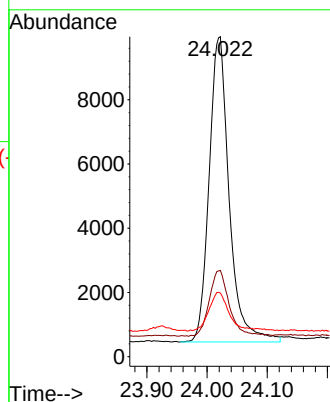
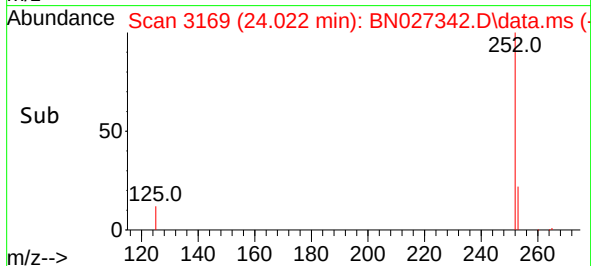
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 26.9  | 21.4  | 32.0  |
| 125     | 19.9  | 16.5  | 24.7  |

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/04/2023

Supervised By :mohammad ahmed 09/04/2023



#40

Dibenzo(a,h)anthracene

Concen: 0.296 ng

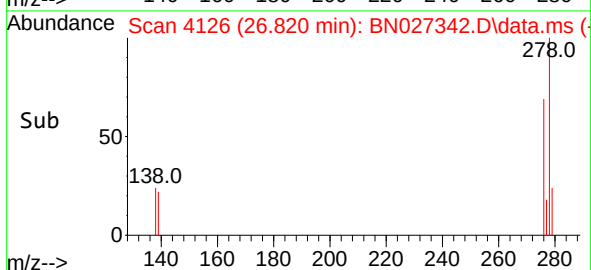
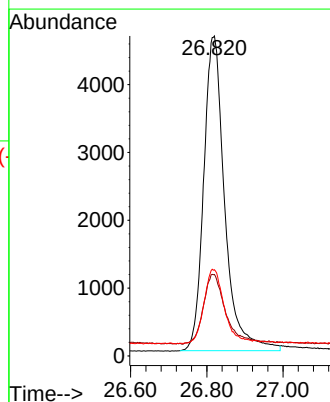
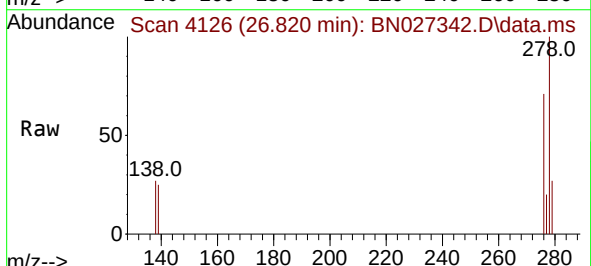
RT: 26.820 min Scan# 4126

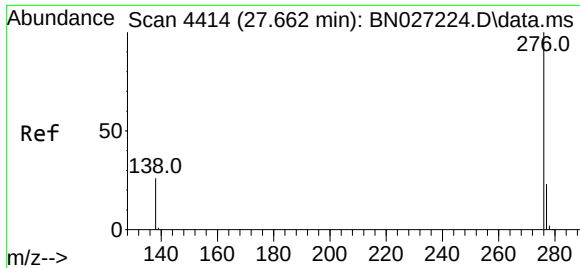
Delta R.T. -0.006 min

Lab File: BN027342.D

Acq: 01 Sep 2023 12:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 25.4  | 17.9  | 26.9  |
| 279     | 27.0  | 21.8  | 32.6  |





#41

Benzo(g,h,i)perylene

Concen: 0.295 ng

RT: 27.621 min Scan# 44

Delta R.T. -0.009 min

Lab File: BN027342.D

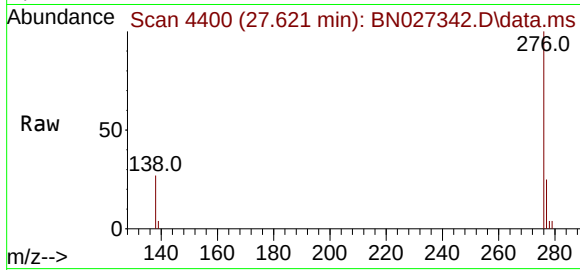
Acq: 01 Sep 2023 12:27

Instrument :

BNA\_N

ClientSampleId :

MW-01-9.5-082923MSD



Tgt Ion:276 Resp: 20479

Ion Ratio Lower Upper

276 100

277 24.6 19.6 29.4

138 27.0 22.1 33.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/04/2023

Supervised By :mohammad ahmed 09/04/2023

