

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN072724\  
 Data File : BN033038.D  
 Acq On : 27 Jul 2024 18:26  
 Operator : MA/JU  
 Sample : PB162294BS  
 Misc :  
 ALS Vial : 54 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 PB162294BS

Manual Integrations  
 APPROVED

Reviewed By :Jagrut Upadhyay 07/29/2024  
 Supervised By :mohammad ahmed 07/30/2024

Quant Time: Jul 29 01:06:53 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN071124.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sun Jul 21 23:33:21 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.524  | 152  | 2295     | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.319 | 136  | 8545     | 0.400 | ng    | 0.02     |
| 13) Acenaphthene-d10          | 14.158 | 164  | 5991     | 0.400 | ng    | -0.02    |
| 19) Phenanthrene-d10          | 16.945 | 188  | 13162    | 0.400 | ng    | 0.00     |
| 29) Chrysene-d12              | 21.160 | 240  | 12950    | 0.400 | ng    | # 0.00   |
| 35) Perylene-d12              | 23.347 | 264  | 14747    | 0.400 | ng    | #-0.01   |
|                               |        |      |          |       |       |          |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.220  | 112  | 2598m    | 0.448 | ng    | 0.04     |
| 5) Phenol-d6                  | 6.867  | 99   | 3932m    | 0.546 | ng    | 0.09     |
| 8) Nitrobenzene-d5            | 8.813  | 82   | 2593m    | 0.403 | ng    | 0.08     |
| 11) 2-Methylnaphthalene-d10   | 11.927 | 152  | 5205     | 0.398 | ng    | 0.01     |
| 14) 2,4,6-Tribromophenol      | 15.728 | 330  | 873      | 0.341 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl          | 12.811 | 172  | 7730     | 0.347 | ng    | 0.00     |
| 27) Fluoranthene-d10          | 18.987 | 212  | 13414    | 0.394 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.587 | 244  | 9482     | 0.357 | ng    | 0.00     |
|                               |        |      |          |       |       |          |
| Target Compounds              |        |      |          |       |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.097  | 88   | 1221     | 0.429 | ng    | # 90     |
| 3) n-Nitrosodimethylamine     | 3.465  | 42   | 897      | 0.373 | ng    | # 98     |
| 6) bis(2-Chloroethyl)ether    | 7.012  | 93   | 2448     | 0.406 | ng    | # 84     |
| 9) Naphthalene                | 10.362 | 128  | 8880     | 0.375 | ng    | 96       |
| 10) Hexachlorobutadiene       | 10.564 | 225  | 1830     | 0.405 | ng    | # 100    |
| 12) 2-Methylnaphthalene       | 12.007 | 142  | 5592     | 0.362 | ng    | 98       |
| 16) Acenaphthylene            | 13.891 | 152  | 8919     | 0.366 | ng    | 99       |
| 17) Acenaphthene              | 14.222 | 154  | 6474     | 0.375 | ng    | 99       |
| 18) Fluorene                  | 15.238 | 166  | 8556     | 0.371 | ng    | 99       |
| 20) 4,6-Dinitro-2-methylph... | 15.530 | 198  | 219m     | 0.370 | ng    |          |
| 21) 4-Bromophenyl-phenylether | 16.138 | 248  | 2573     | 0.333 | ng    | 96       |
| 22) Hexachlorobenzene         | 16.237 | 284  | 3179     | 0.367 | ng    | 99       |
| 23) Atrazine                  | 16.424 | 200  | 2043     | 0.359 | ng    | 97       |
| 24) Pentachlorophenol         | 16.647 | 266  | 864      | 0.268 | ng    | 100      |
| 25) Phenanthrene              | 16.982 | 178  | 12485    | 0.347 | ng    | 99       |
| 26) Anthracene                | 17.094 | 178  | 8700     | 0.294 | ng    | 99       |
| 28) Fluoranthene              | 19.015 | 202  | 15921    | 0.366 | ng    | 99       |
| 30) Pyrene                    | 19.387 | 202  | 16764    | 0.317 | ng    | 99       |
| 32) Benzo(a)anthracene        | 21.151 | 228  | 12870    | 0.314 | ng    | 100      |
| 33) Chrysene                  | 21.196 | 228  | 18718    | 0.385 | ng    | 99       |
| 34) Bis(2-ethylhexyl)phtha... | 21.026 | 149  | 10630m   | 0.469 | ng    |          |
| 36) Indeno(1,2,3-cd)pyrene    | 25.560 | 276  | 19453    | 0.335 | ng    | 99       |
| 37) Benzo(b)fluoranthene      | 22.689 | 252  | 15584    | 0.303 | ng    | 96       |
| 38) Benzo(k)fluoranthene      | 22.733 | 252  | 19780m   | 0.337 | ng    |          |
| 39) Benzo(a)pyrene            | 23.262 | 252  | 15268    | 0.330 | ng    | 94       |
| 40) Dibenzo(a,h)anthracene    | 25.566 | 278  | 15535    | 0.338 | ng    | 100      |
| 41) Benzo(g,h,i)perylene      | 26.235 | 276  | 17157    | 0.337 | ng    | 98       |
| -----                         |        |      |          |       |       |          |

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

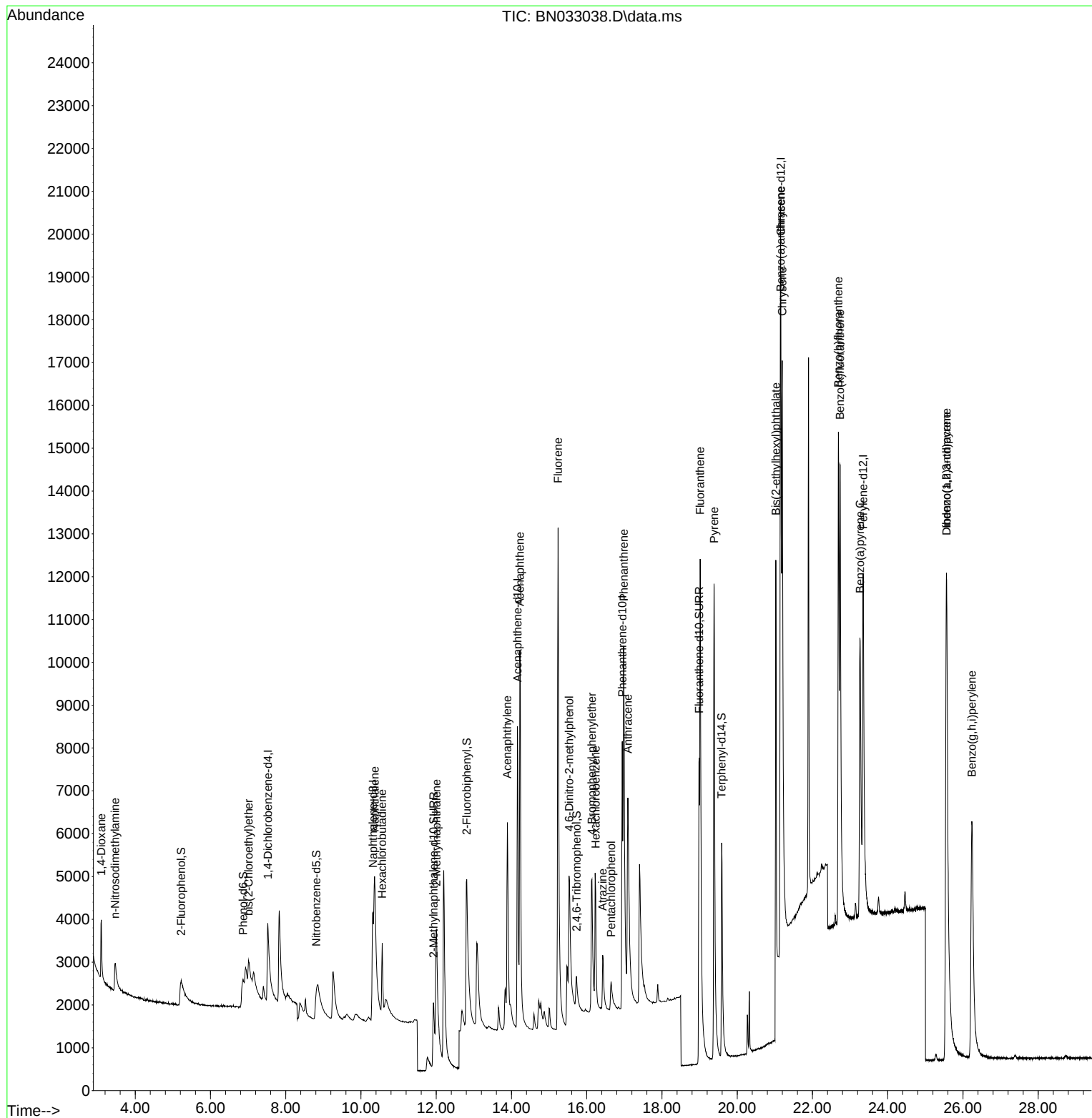
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Data File : BN033038.D  
Acq On : 27 Jul 2024 18:26  
Operator : MA/JU  
Sample : PB162294BS  
Misc :  
ALS Vial : 54 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
PB162294BS

Manual Integrations  
APPROVED

Reviewed By :Jagrut Upadhyay 07/29/2024  
Supervised By :mohammad ahmed 07/30/2024

Quant Time: Jul 29 01:06:53 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN071124.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sun Jul 21 23:33:21 2024  
Response via : Initial Calibration





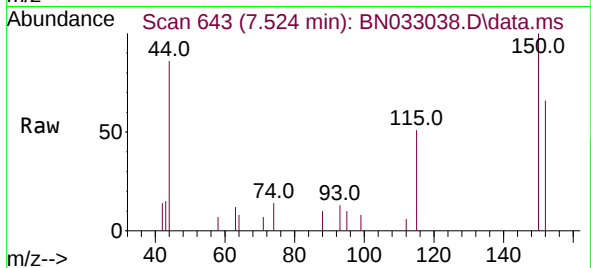
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1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.524 min Scan# 64  
Delta R.T. -0.007 min  
Lab File: BN033038.D  
Acq: 27 Jul 2024 18:26

Instrument :

BNA\_N

ClientSampleId :

PB162294BS

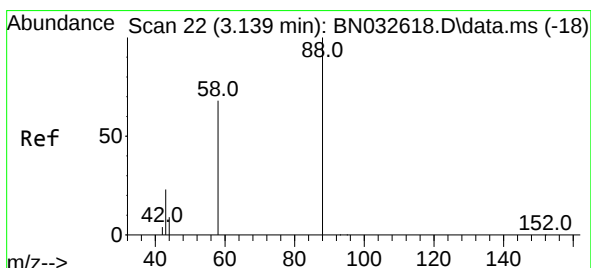
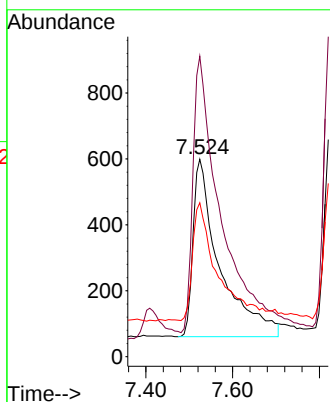
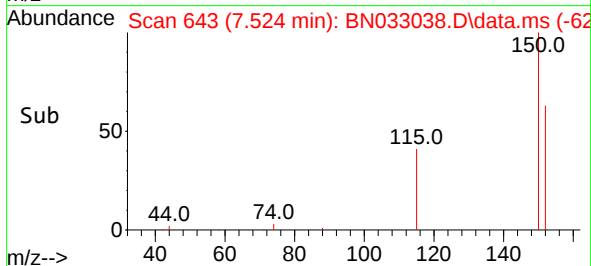


Tgt Ion:152 Resp: 229  
Ion Ratio Lower Upper  
152 100  
150 152.3 123.8 185.6  
115 78.0 52.8 79.2

Manual Integrations

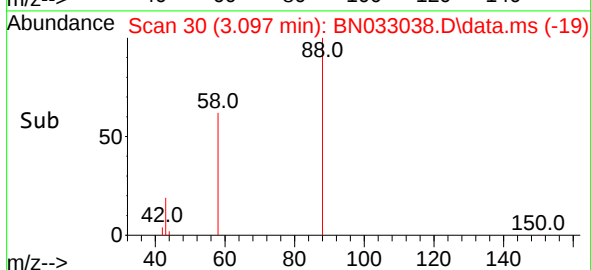
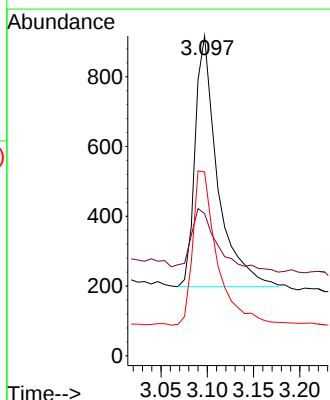
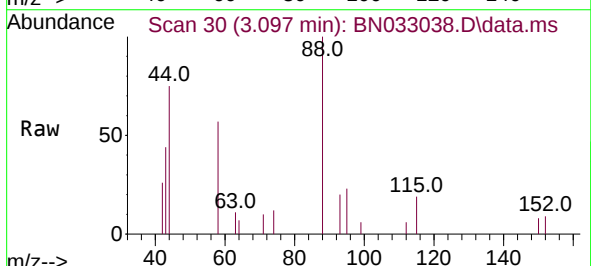
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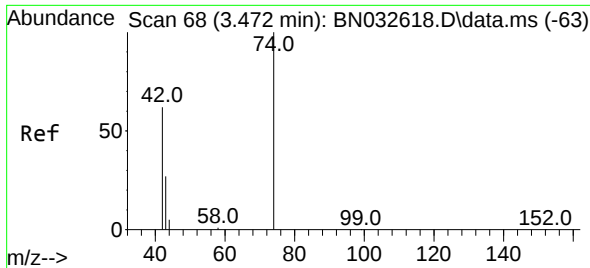
Reviewed By :Jagrut Upadhyay 07/29/2024  
Supervised By :mohammad ahmed 07/30/2024



#2  
1,4-Dioxane  
Concen: 0.429 ng  
RT: 3.097 min Scan# 30  
Delta R.T. -0.021 min  
Lab File: BN033038.D  
Acq: 27 Jul 2024 18:26

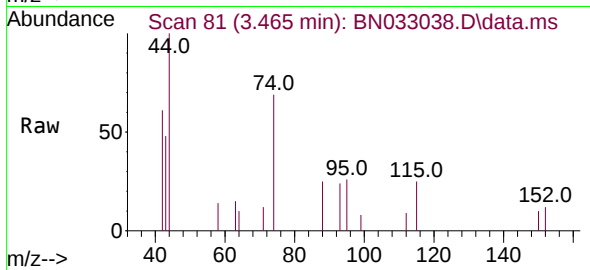
Tgt Ion: 88 Resp: 1221  
Ion Ratio Lower Upper  
88 100  
43 30.5 18.4 27.6#  
58 67.2 49.2 73.8





#3  
n-Nitrosodimethylamine  
Concen: 0.373 ng  
RT: 3.465 min Scan# 81  
Delta R.T. 0.015 min  
Lab File: BN033038.D  
Acq: 27 Jul 2024 18:26

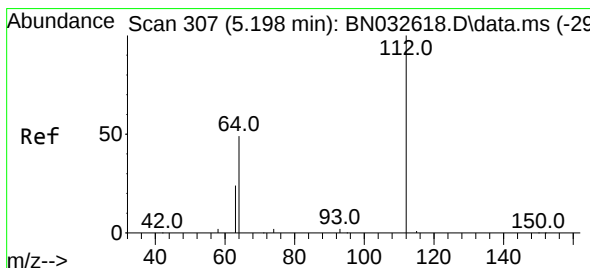
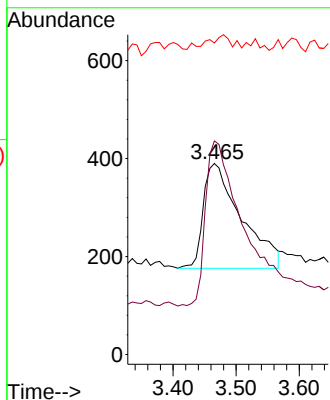
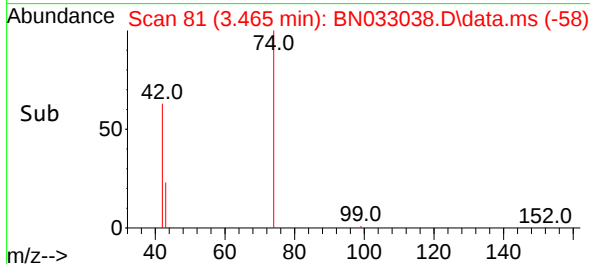
Instrument :  
BNA\_N  
ClientSampleId :  
PB162294BS



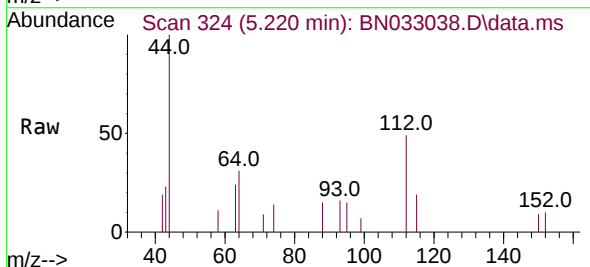
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Ion Ratio Lower Upper  
42 100  
74 156.1 126.9 190.3  
44 9.7 4.8 7.2

Manual Integrations  
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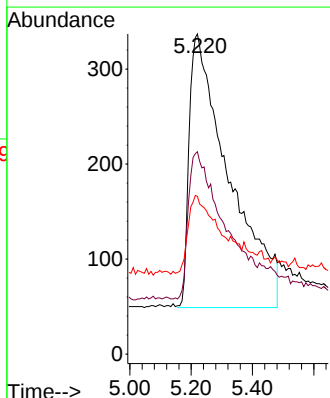
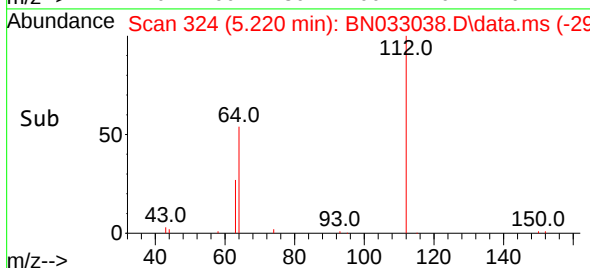
Reviewed By :Jagrut Upadhyay 07/29/2024  
Supervised By :mohammad ahmed 07/30/2024

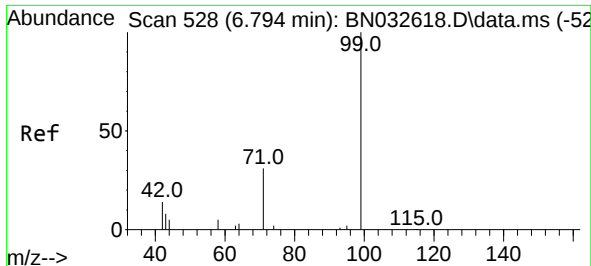


#4  
2-Fluorophenol  
Concen: 0.448 ng m  
RT: 5.220 min Scan# 324  
Delta R.T. 0.044 min  
Lab File: BN033038.D  
Acq: 27 Jul 2024 18:26



Tgt Ion:112 Resp: 2598  
Ion Ratio Lower Upper  
112 100  
64 41.0 40.2 60.4  
63 20.1 22.2 33.4





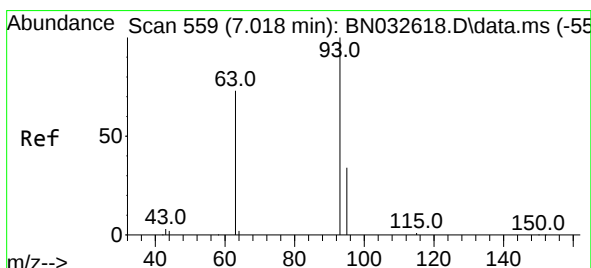
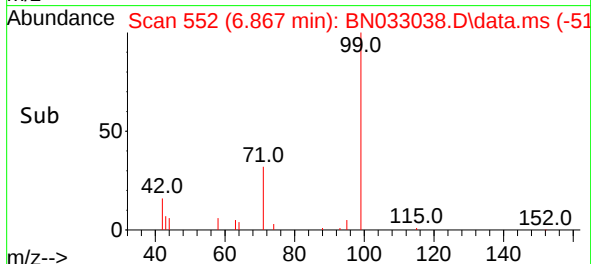
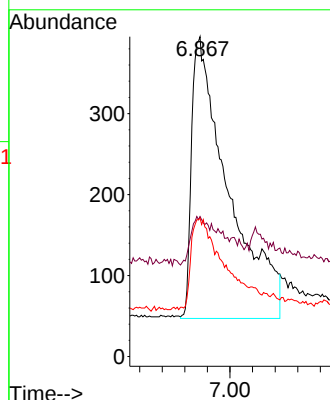
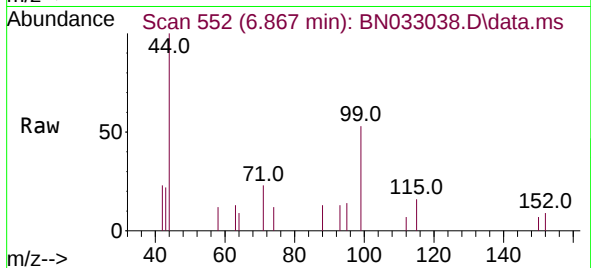
#5  
Phenol-d6  
Concen: 0.546 ng m  
RT: 6.867 min Scan# 51  
Delta R.T. 0.088 min  
Lab File: BN033038.D  
Acq: 27 Jul 2024 18:26

Instrument :  
BNA\_N  
ClientSampleId :  
PB162294BS

Tgt Ion: 99 Resp: 393  
Ion Ratio Lower Upper  
99 100  
42 7.8 10.5 15.7  
71 23.2 22.3 33.5

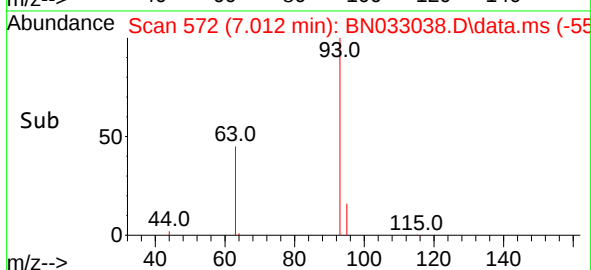
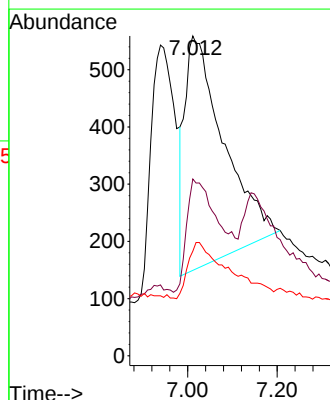
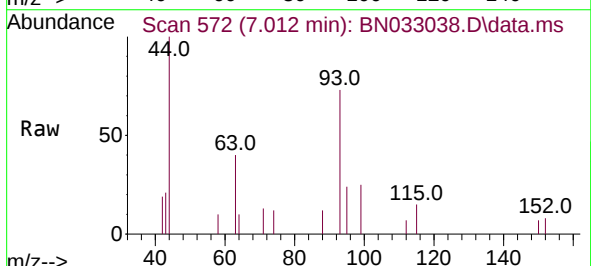
Manual Integrations  
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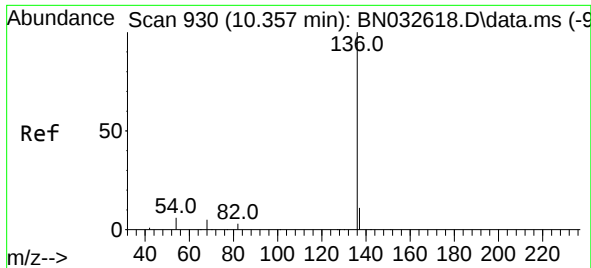
Reviewed By :Jagrut Upadhyay 07/29/2024  
Supervised By :mohammad ahmed 07/30/2024



#6  
bis(2-Chloroethyl)ether  
Concen: 0.406 ng  
RT: 7.012 min Scan# 572  
Delta R.T. 0.023 min  
Lab File: BN033038.D  
Acq: 27 Jul 2024 18:26

Tgt Ion: 93 Resp: 2448  
Ion Ratio Lower Upper  
93 100  
63 43.5 46.4 69.6  
95 25.9 25.5 38.3





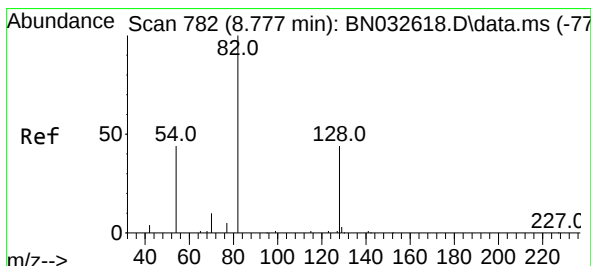
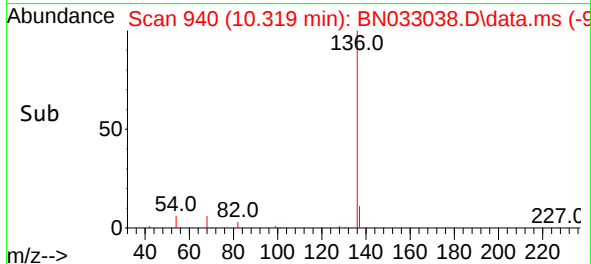
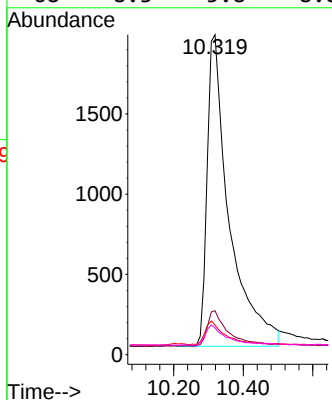
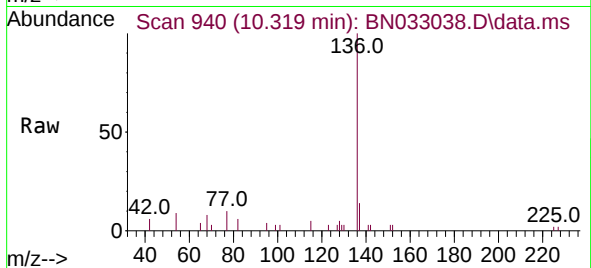
#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.319 min Scan# 940  
Delta R.T. 0.015 min  
Lab File: BN033038.D  
Acq: 27 Jul 2024 18:26

Instrument :  
BNA\_N  
ClientSampleId :  
PB162294BS

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 136   | Resp: | 854  |
| Ion Ratio | Lower | Upper |      |
| 136       | 100   |       |      |
| 137       | 13.7  | 9.9   | 14.9 |
| 54        | 9.2   | 6.5   | 9.7  |
| 68        | 8.3   | 5.8   | 8.8  |

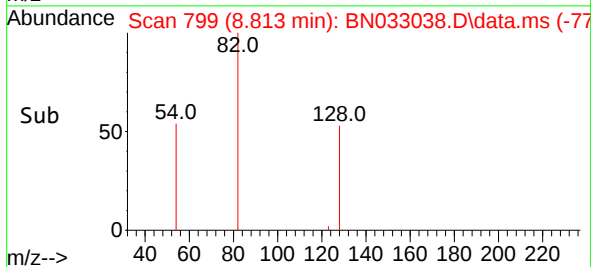
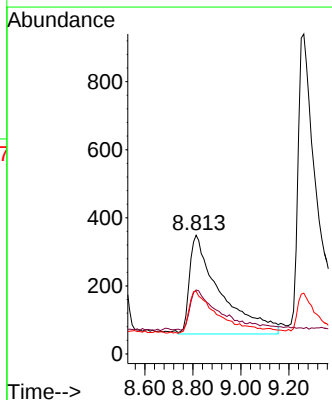
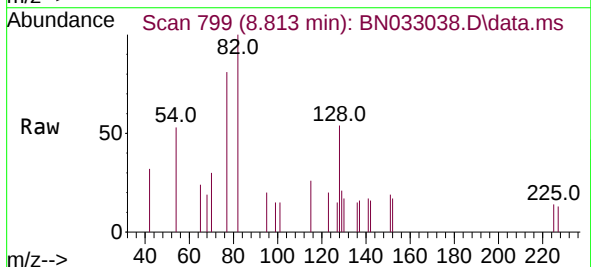
Manual Integrations  
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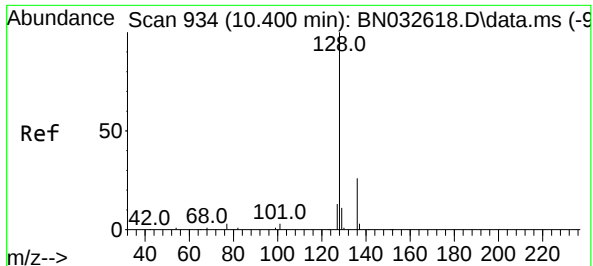
Reviewed By :Jagrut Upadhyay 07/29/2024  
Supervised By :mohammad ahmed 07/30/2024



#8  
Nitrobenzene-d5  
Concen: 0.403 ng m  
RT: 8.813 min Scan# 799  
Delta R.T. 0.079 min  
Lab File: BN033038.D  
Acq: 27 Jul 2024 18:26

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 82    | Resp: | 2593 |
| Ion Ratio | Lower | Upper |      |
| 82        | 100   |       |      |
| 128       | 53.9  | 41.7  | 62.5 |
| 54        | 53.0  | 39.5  | 59.3 |





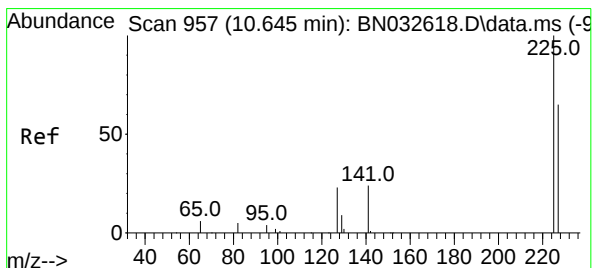
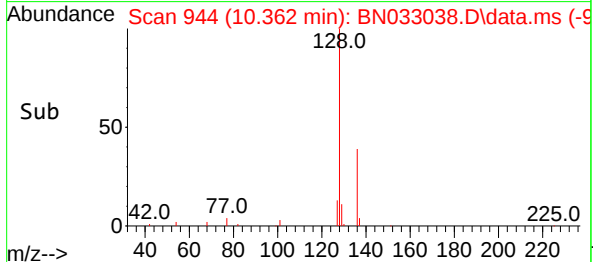
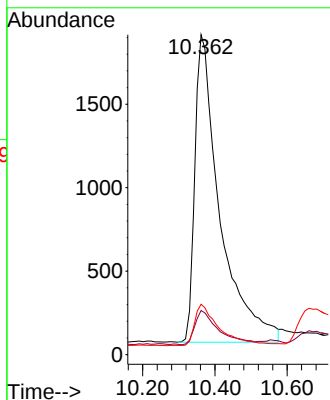
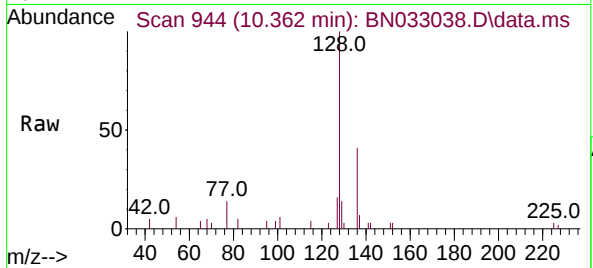
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Naphthalene  
Concen: 0.375 ng  
RT: 10.362 min Scan# 944  
Delta R.T. 0.005 min  
Lab File: BN033038.D  
Acq: 27 Jul 2024 18:26

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Tgt Ion:128 Resp: 8880  
Ion Ratio Lower Upper  
128 100  
129 13.8 9.8 14.8  
127 15.8 11.5 17.3

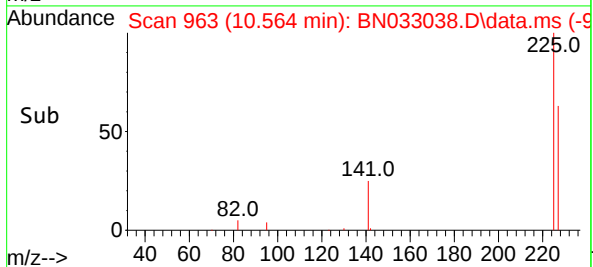
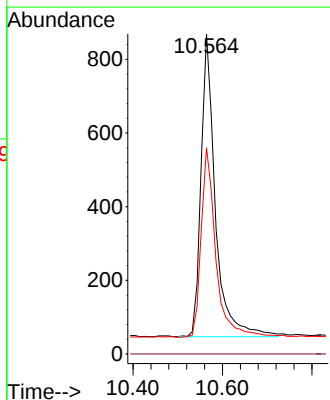
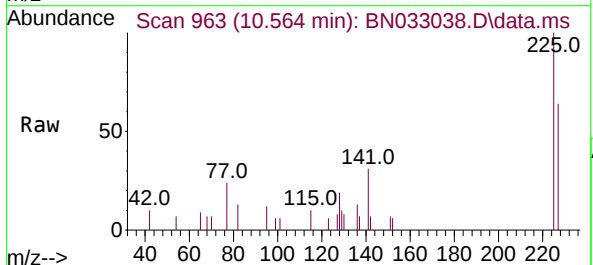
Manual Integrations  
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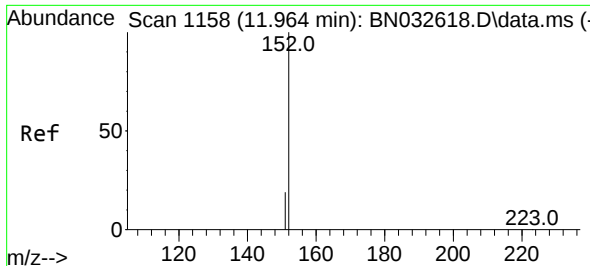
Reviewed By :Jagrut Upadhyay 07/29/2024  
Supervised By :mohammad ahmed 07/30/2024



#10  
Hexachlorobutadiene  
Concen: 0.405 ng  
RT: 10.564 min Scan# 963  
Delta R.T. -0.038 min  
Lab File: BN033038.D  
Acq: 27 Jul 2024 18:26

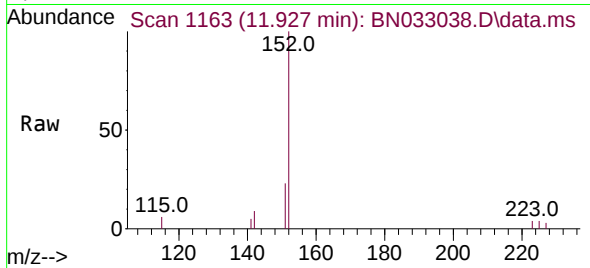
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Ion Ratio Lower Upper  
225 100  
223 0.0 0.0 0.0  
227 64.4 51.3 76.9





#11  
2-Methylnaphthalene-d10  
Concen: 0.398 ng  
RT: 11.927 min Scan# 1163  
Delta R.T. 0.013 min  
Lab File: BN033038.D  
Acq: 27 Jul 2024 18:26

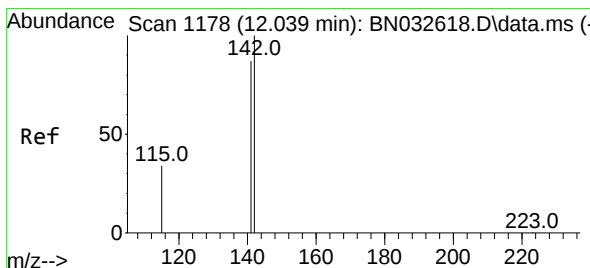
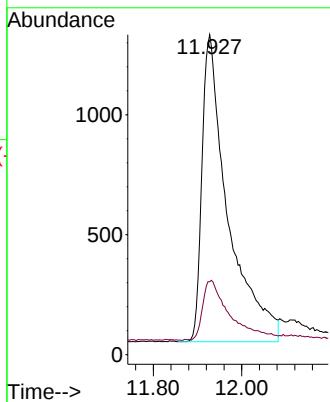
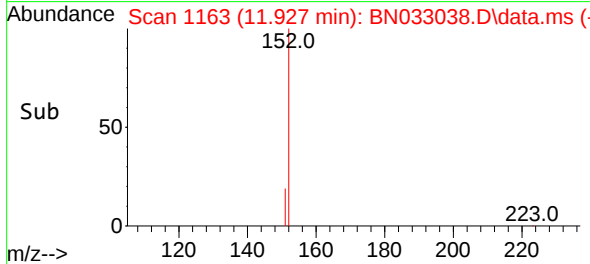
Instrument :  
BNA\_N  
ClientSampleId :  
PB162294BS



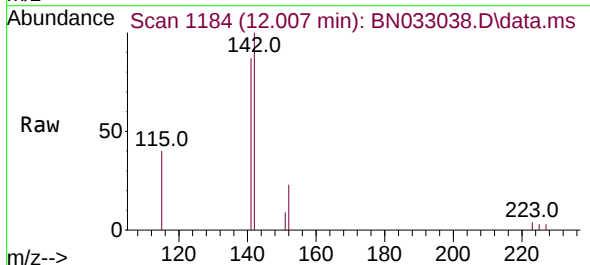
Tgt Ion:152 Resp: 520  
Ion Ratio Lower Upper  
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Manual Integrations  
APPROVED

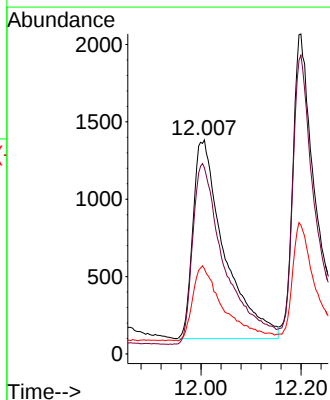
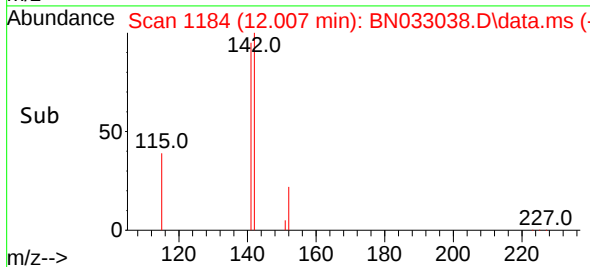
Reviewed By :Jagrut Upadhyay 07/29/2024  
Supervised By :mohammad ahmed 07/30/2024

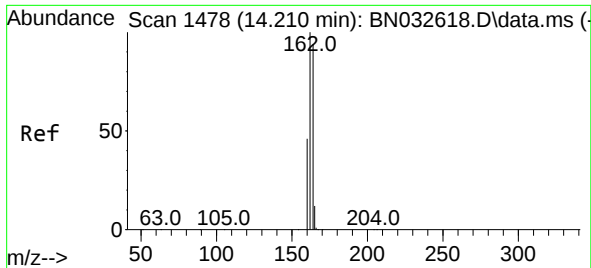


#12  
2-Methylnaphthalene  
Concen: 0.362 ng  
RT: 12.007 min Scan# 1184  
Delta R.T. 0.017 min  
Lab File: BN033038.D  
Acq: 27 Jul 2024 18:26



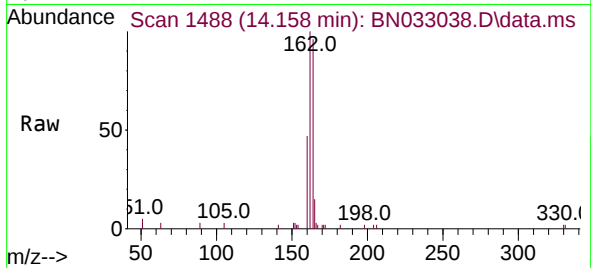
Tgt Ion:142 Resp: 5592  
Ion Ratio Lower Upper  
142 100  
141 86.9 69.3 103.9  
115 39.7 29.5 44.3





#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.158 min Scan# 1478  
Delta R.T. -0.020 min  
Lab File: BN033038.D  
Acq: 27 Jul 2024 18:26

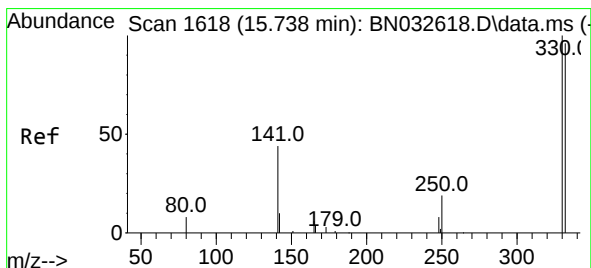
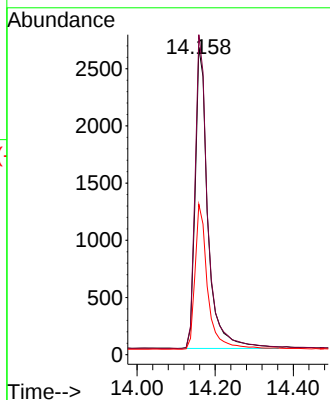
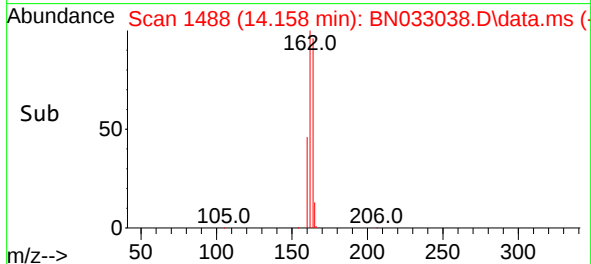
Instrument :  
BNA\_N  
ClientSampleId :  
PB162294BS



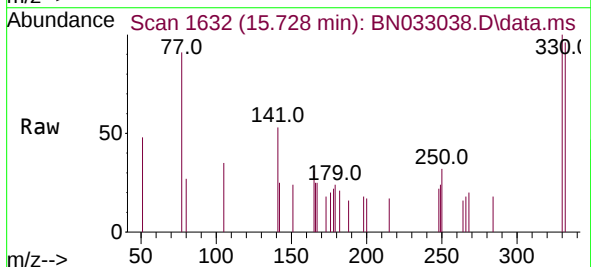
Tgt Ion:164 Resp: 599  
Ion Ratio Lower Upper  
164 100  
162 104.1 85.0 127.4  
160 48.9 39.4 59.2

Manual Integrations  
APPROVED

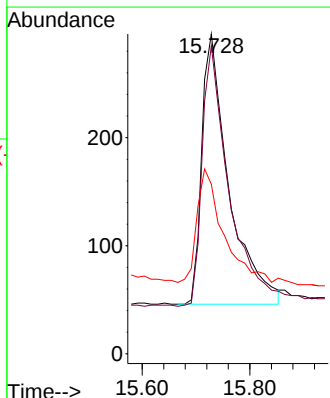
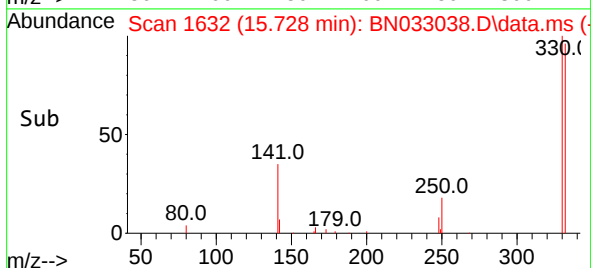
Reviewed By :Jagrut Upadhyay 07/29/2024  
Supervised By :mohammad ahmed 07/30/2024

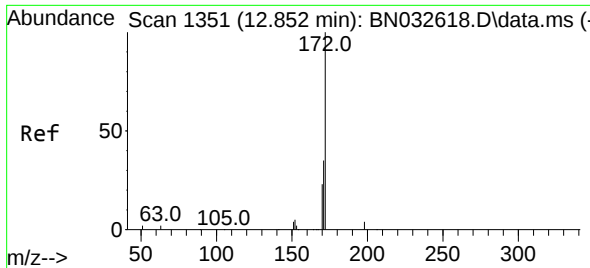


#14  
2,4,6-Tribromophenol  
Concen: 0.341 ng  
RT: 15.728 min Scan# 1632  
Delta R.T. 0.003 min  
Lab File: BN033038.D  
Acq: 27 Jul 2024 18:26



Tgt Ion:330 Resp: 873  
Ion Ratio Lower Upper  
330 100  
332 96.4 77.8 116.8  
141 40.5 34.2 51.2





#15  
2-Fluorobiphenyl  
Concen: 0.347 ng  
RT: 12.811 min Scan# 1462  
Delta R.T. 0.001 min  
Lab File: BN033038.D  
Acq: 27 Jul 2024 18:26

Instrument :

BNA\_N

ClientSampleId :

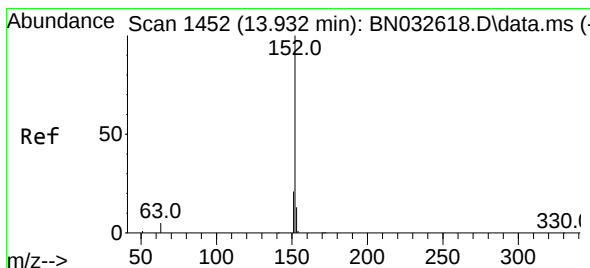
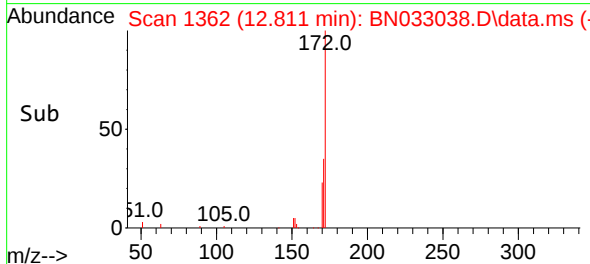
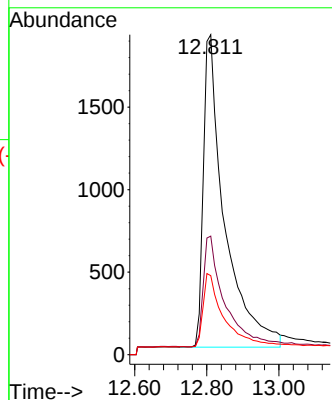
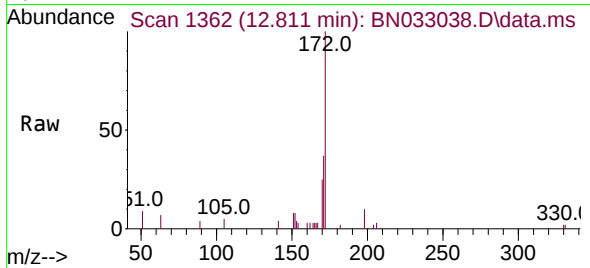
PB162294BS

Tgt Ion:172 Resp: 7730  
Ion Ratio Lower Upper  
172 100  
171 37.1 28.6 43.0  
170 24.7 19.0 28.6

Manual Integrations

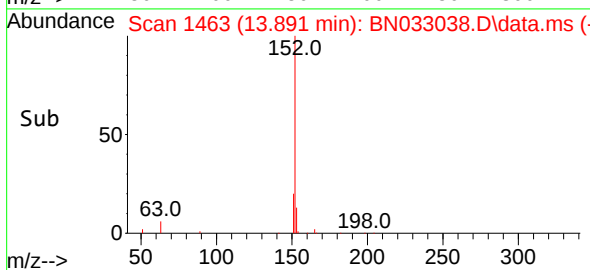
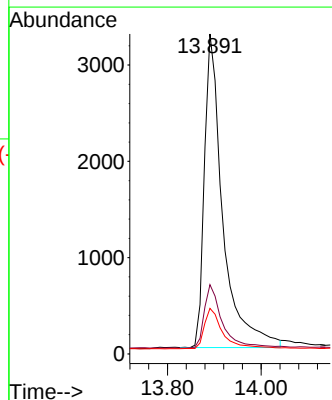
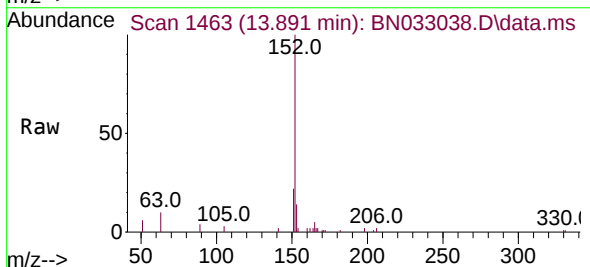
APPROVED

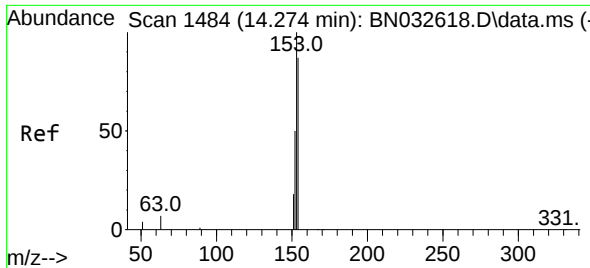
Reviewed By :Jagrut Upadhyay 07/29/2024  
Supervised By :mohammad ahmed 07/30/2024



#16  
Acenaphthylene  
Concen: 0.366 ng  
RT: 13.891 min Scan# 1463  
Delta R.T. -0.009 min  
Lab File: BN033038.D  
Acq: 27 Jul 2024 18:26

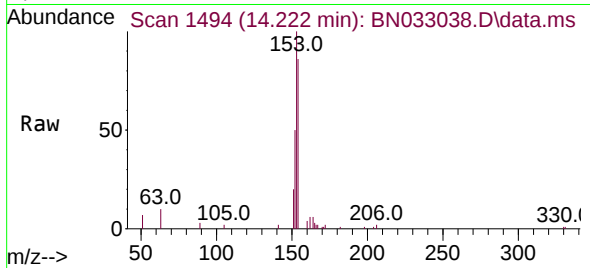
Tgt Ion:152 Resp: 8919  
Ion Ratio Lower Upper  
152 100  
151 19.6 16.0 24.0  
153 12.9 10.6 15.8





#17  
Acenaphthene  
Concen: 0.375 ng  
RT: 14.222 min Scan# 1484  
Delta R.T. -0.020 min  
Lab File: BN033038.D  
Acq: 27 Jul 2024 18:26

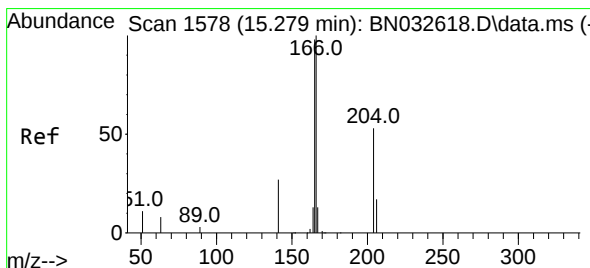
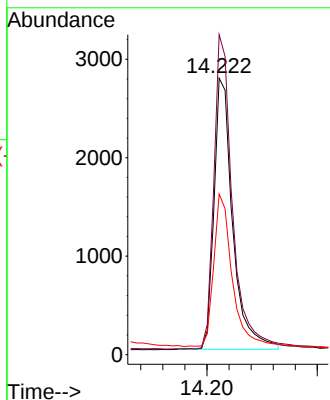
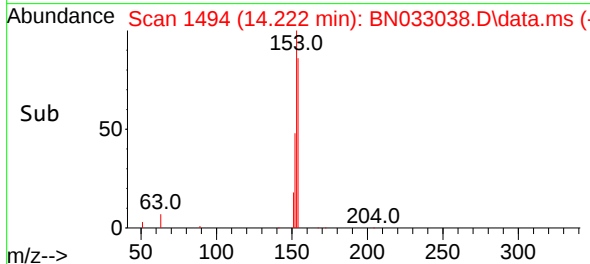
Instrument :  
BNA\_N  
ClientSampleId :  
PB162294BS



Tgt Ion:154 Resp: 6474  
Ion Ratio Lower Upper  
154 100  
153 114.9 91.8 137.8  
152 54.6 45.2 67.8

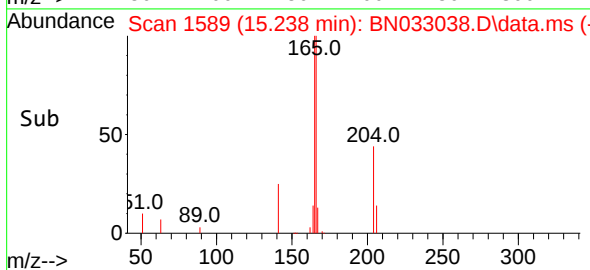
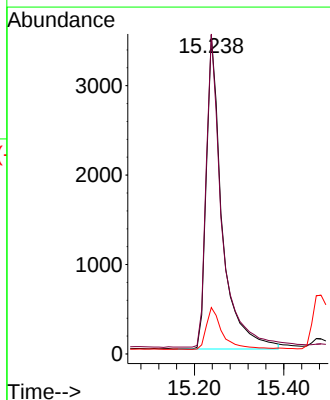
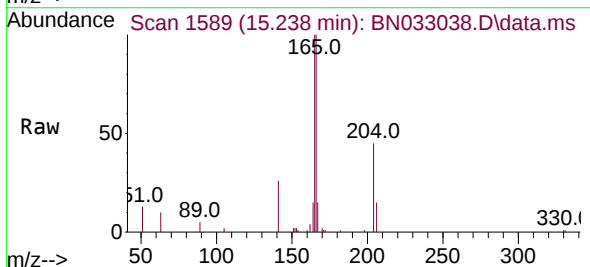
Manual Integrations  
APPROVED

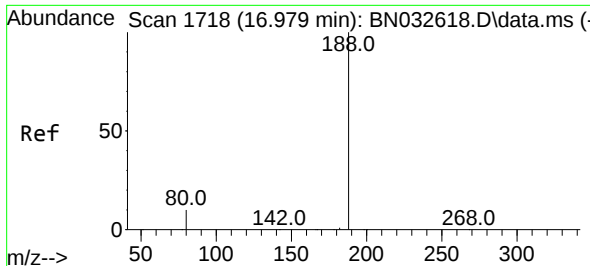
Reviewed By :Jagrut Upadhyay 07/29/2024  
Supervised By :mohammad ahmed 07/30/2024



#18  
Fluorene  
Concen: 0.371 ng  
RT: 15.238 min Scan# 1589  
Delta R.T. -0.009 min  
Lab File: BN033038.D  
Acq: 27 Jul 2024 18:26

Tgt Ion:166 Resp: 8556  
Ion Ratio Lower Upper  
166 100  
165 98.8 78.0 117.0  
167 13.5 10.7 16.1





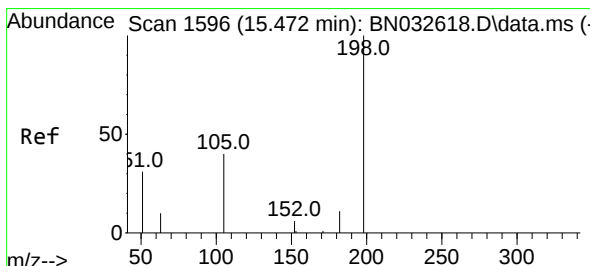
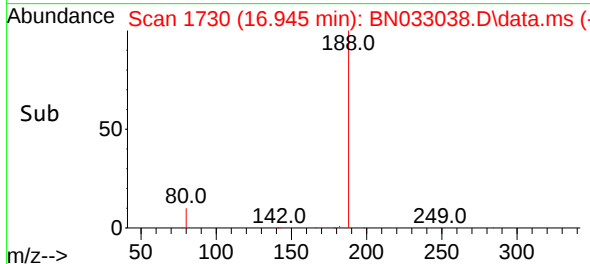
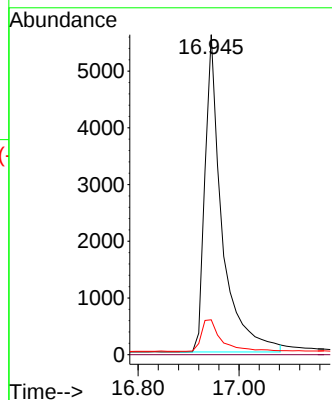
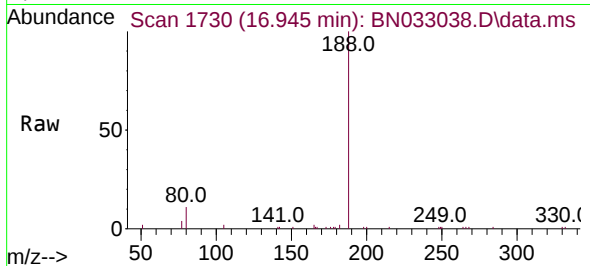
#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 16.945 min Scan# 11  
Delta R.T. -0.009 min  
Lab File: BN033038.D  
Acq: 27 Jul 2024 18:26

Instrument :  
BNA\_N  
ClientSampleId :  
PB162294BS

Tgt Ion:188 Resp: 1316  
Ion Ratio Lower Upper  
188 100  
94 0.0 0.0 0.0  
80 10.9 8.8 13.2

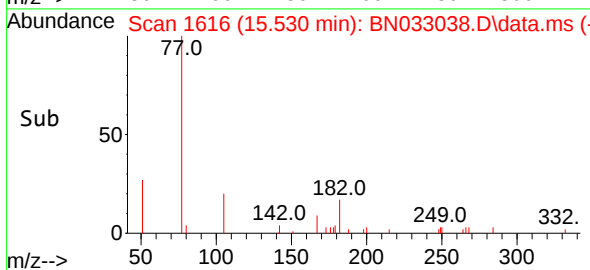
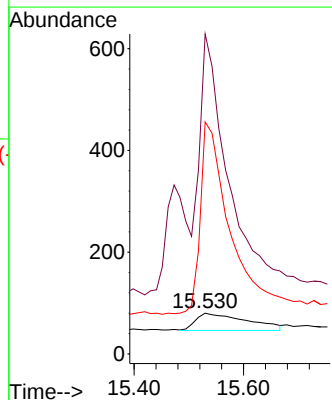
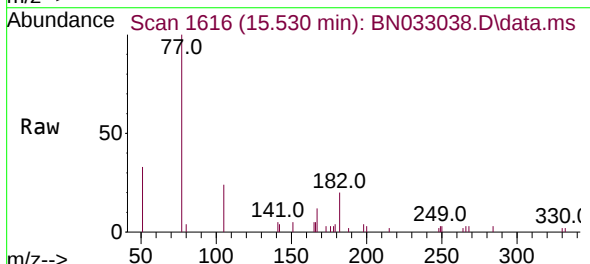
Manual Integrations  
APPROVED

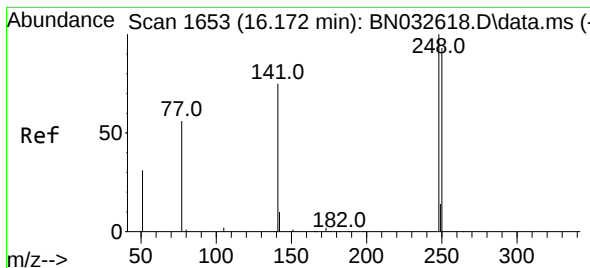
Reviewed By :Jagrut Upadhyay 07/29/2024  
Supervised By :mohammad ahmed 07/30/2024



#20  
4,6-Dinitro-2-methylphenol  
Concen: 0.370 ng m  
RT: 15.530 min Scan# 1616  
Delta R.T. 0.058 min  
Lab File: BN033038.D  
Acq: 27 Jul 2024 18:26

Tgt Ion:198 Resp: 219  
Ion Ratio Lower Upper  
198 100  
51 786.3 105.7 158.5#  
105 570.0 63.0 94.6#





#21  
4-Bromophenyl-phenylether  
Concen: 0.333 ng  
RT: 16.138 min Scan# 1665  
Delta R.T. 0.003 min  
Lab File: BN033038.D  
Acq: 27 Jul 2024 18:26

Instrument :

BNA\_N

ClientSampleId :

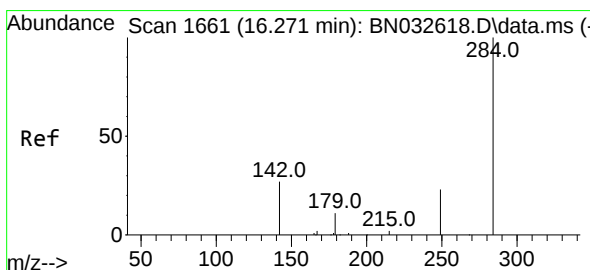
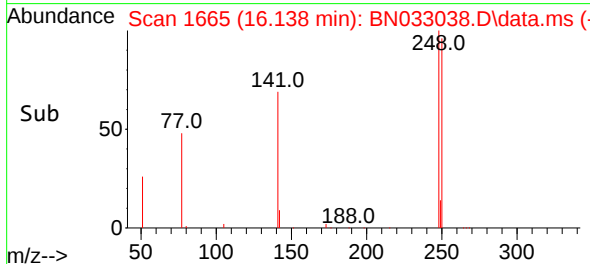
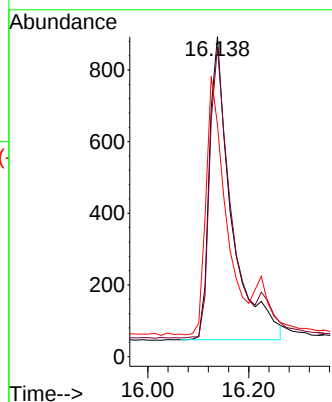
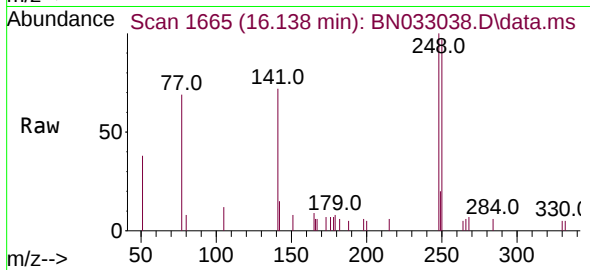
PB162294BS

Tgt Ion:248 Resp: 257  
Ion Ratio Lower Upper  
248 100  
250 96.9 75.1 112.7  
141 72.5 62.0 93.0

Manual Integrations

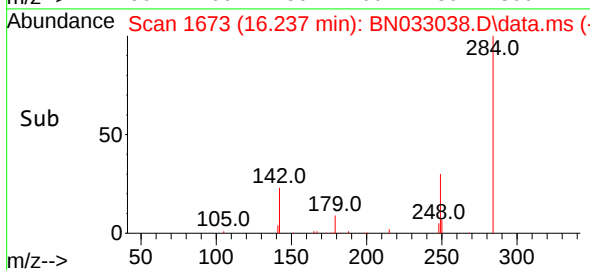
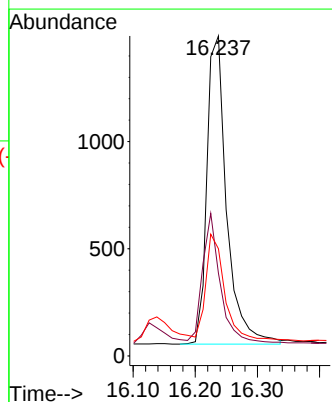
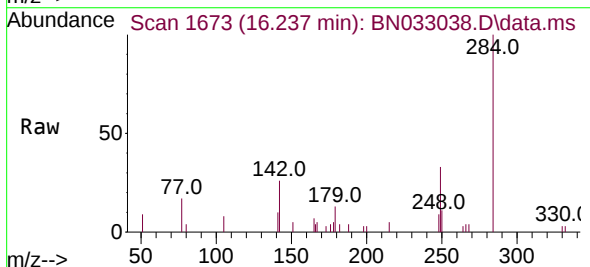
APPROVED

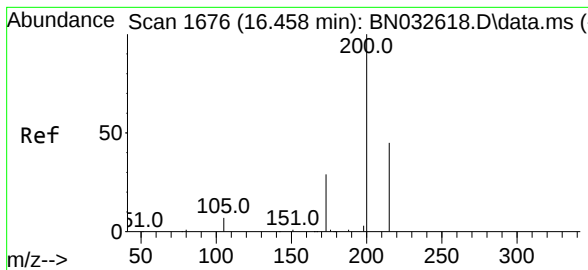
Reviewed By :Jagrut Upadhyay 07/29/2024  
Supervised By :mohammad ahmed 07/30/2024



#22  
Hexachlorobenzene  
Concen: 0.367 ng  
RT: 16.237 min Scan# 1673  
Delta R.T. -0.009 min  
Lab File: BN033038.D  
Acq: 27 Jul 2024 18:26

Tgt Ion:284 Resp: 3179  
Ion Ratio Lower Upper  
284 100  
142 36.5 29.4 44.0  
249 31.8 24.6 36.8





#23

Atrazine

Concen: 0.359 ng

RT: 16.424 min Scan# 1706

Delta R.T. -0.009 min

Lab File: BN033038.D

Acq: 27 Jul 2024 18:26

Instrument :

BNA\_N

ClientSampleId :

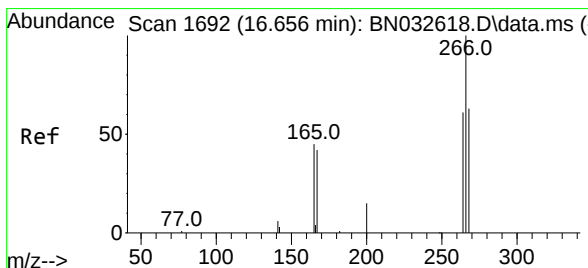
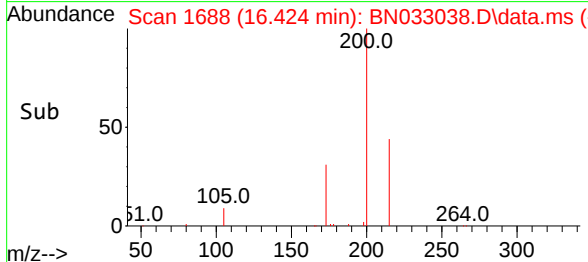
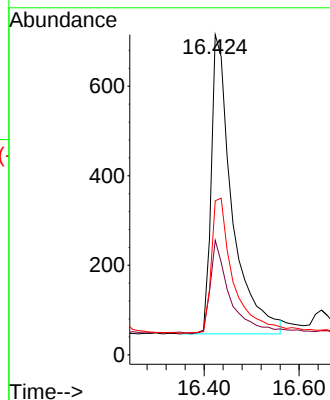
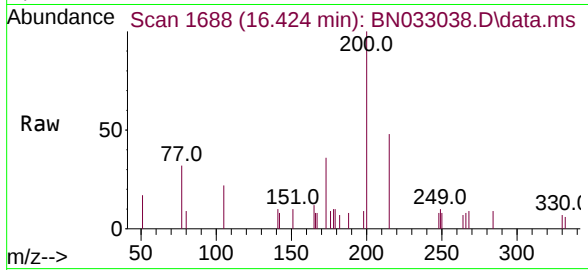
PB162294BS

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 200   | Resp: | 204  |
| Ion Ratio | Lower | Upper |      |
| 200       | 100   |       |      |
| 173       | 35.8  | 25.4  | 38.2 |
| 215       | 48.1  | 38.2  | 57.2 |

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 07/29/2024  
Supervised By :mohammad ahmed 07/30/2024



#24

Pentachlorophenol

Concen: 0.268 ng

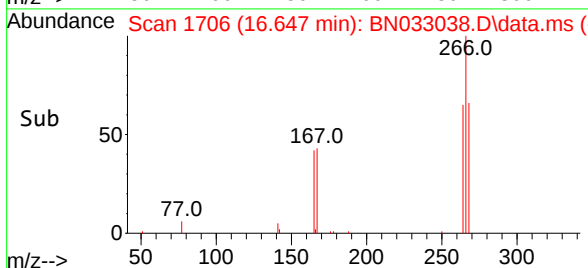
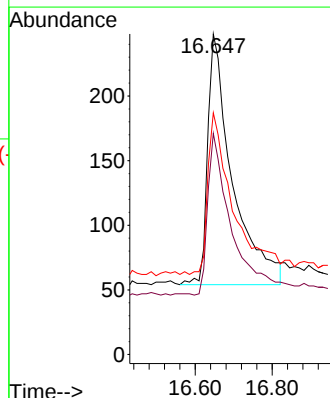
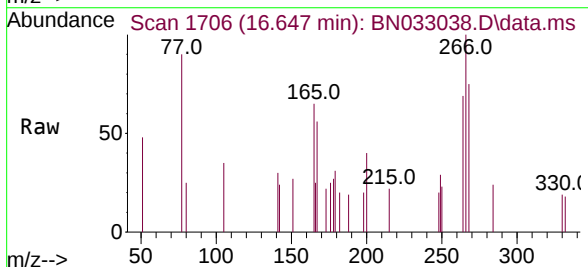
RT: 16.647 min Scan# 1706

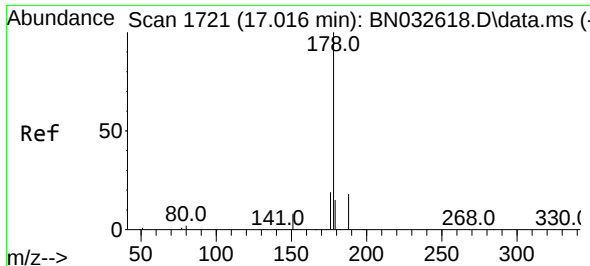
Delta R.T. 0.003 min

Lab File: BN033038.D

Acq: 27 Jul 2024 18:26

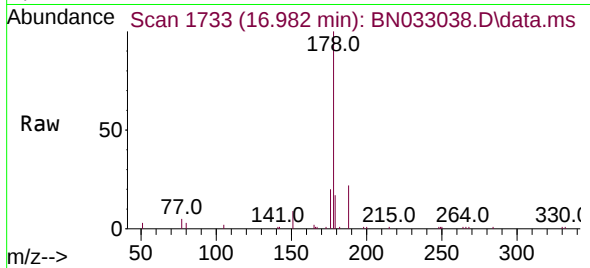
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 266   | Resp: | 864  |
| Ion Ratio | Lower | Upper |      |
| 266       | 100   |       |      |
| 264       | 62.8  | 50.2  | 75.2 |
| 268       | 65.6  | 52.8  | 79.2 |





#25  
Phenanthrene  
Concen: 0.347 ng  
RT: 16.982 min Scan# 1742  
Delta R.T. -0.009 min  
Lab File: BN033038.D  
Acq: 27 Jul 2024 18:26

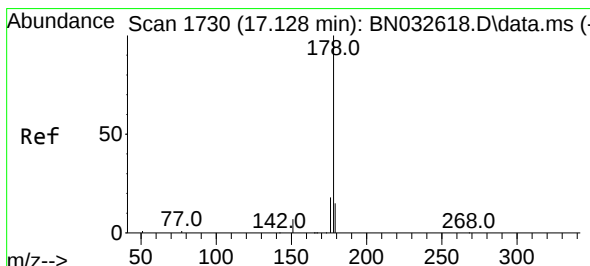
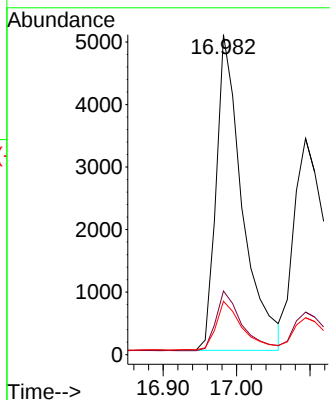
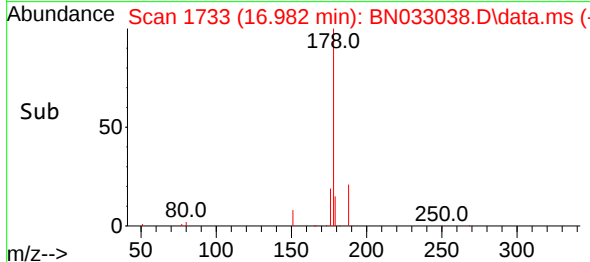
Instrument :  
BNA\_N  
ClientSampleId :  
PB162294BS



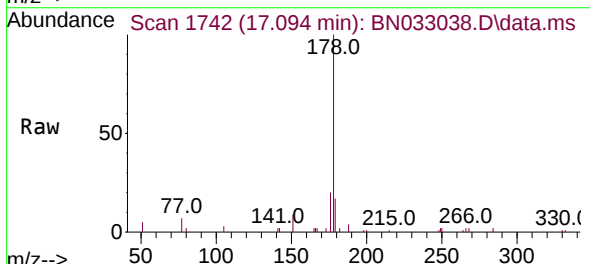
Tgt Ion:178 Resp: 1248  
Ion Ratio Lower Upper  
178 100  
176 18.8 15.1 22.7  
179 15.6 12.2 18.4

Manual Integrations  
APPROVED

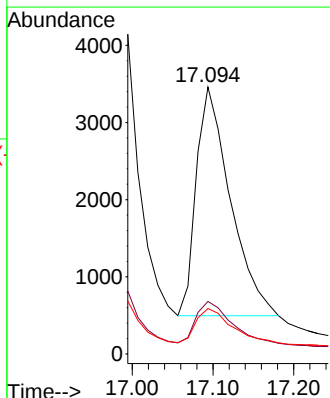
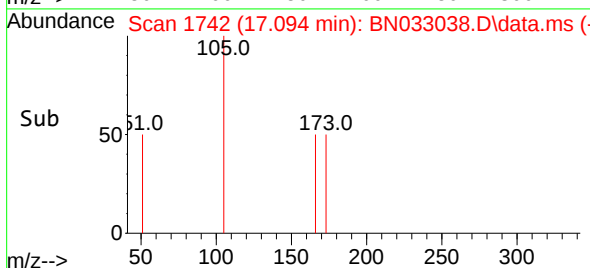
Reviewed By :Jagrut Upadhyay 07/29/2024  
Supervised By :mohammad ahmed 07/30/2024

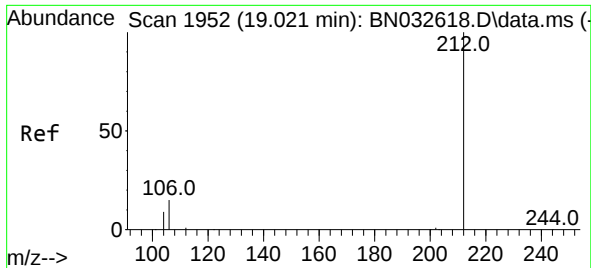


#26  
Anthracene  
Concen: 0.294 ng  
RT: 17.094 min Scan# 1742  
Delta R.T. 0.003 min  
Lab File: BN033038.D  
Acq: 27 Jul 2024 18:26



Tgt Ion:178 Resp: 8700  
Ion Ratio Lower Upper  
178 100  
176 18.5 14.8 22.2  
179 15.4 11.8 17.8





#27  
Fluoranthene-d10  
Concen: 0.394 ng  
RT: 18.987 min Scan# 1952  
Delta R.T. -0.006 min  
Lab File: BN033038.D  
Acq: 27 Jul 2024 18:26

Instrument :

BNA\_N

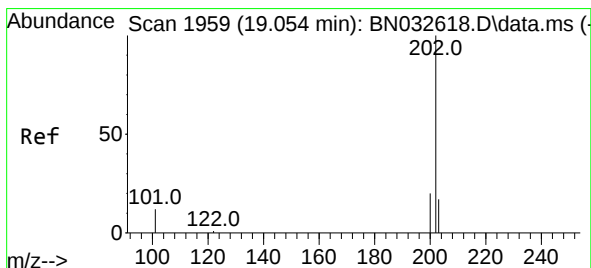
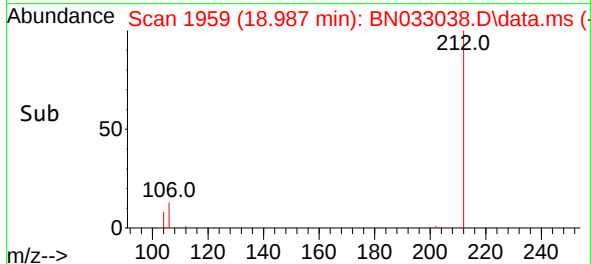
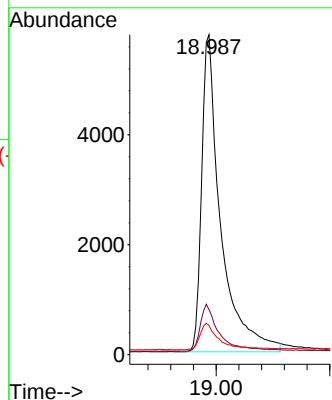
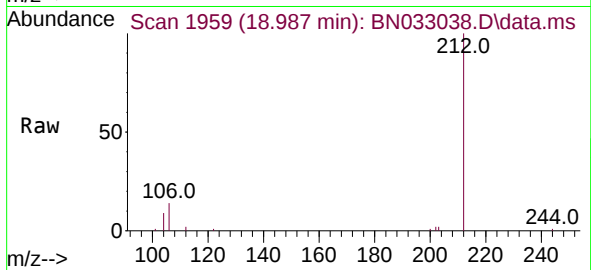
ClientSampleId :

PB162294BS

Tgt Ion:212 Resp: 13414  
Ion Ratio Lower Upper  
212 100  
106 14.5 11.9 17.9  
104 8.5 6.9 10.3

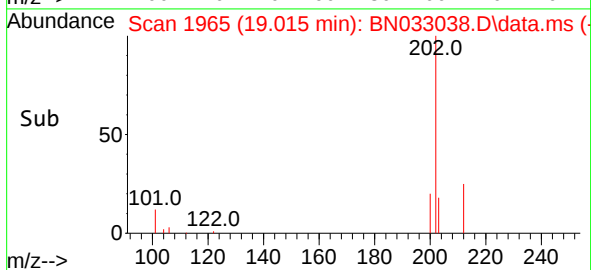
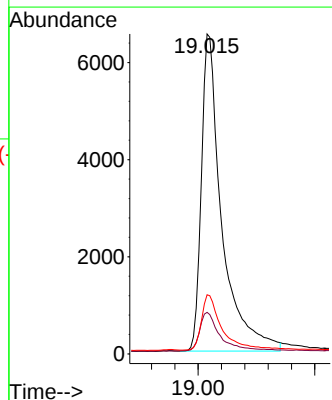
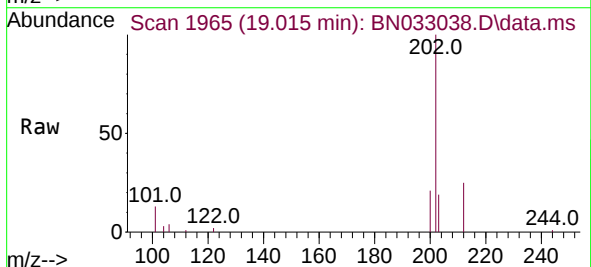
Manual Integrations  
APPROVED

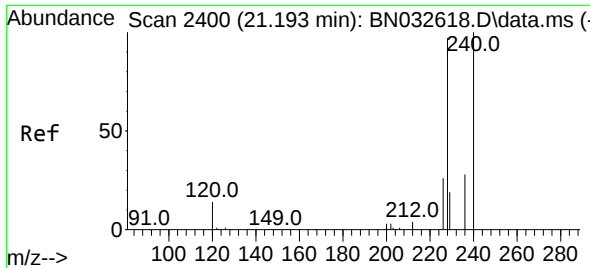
Reviewed By :Jagrut Upadhyay 07/29/2024  
Supervised By :mohammad ahmed 07/30/2024



#28  
Fluoranthene  
Concen: 0.366 ng  
RT: 19.015 min Scan# 1965  
Delta R.T. -0.006 min  
Lab File: BN033038.D  
Acq: 27 Jul 2024 18:26

Tgt Ion:202 Resp: 15921  
Ion Ratio Lower Upper  
202 100  
101 12.4 9.6 14.4  
203 17.4 13.8 20.6





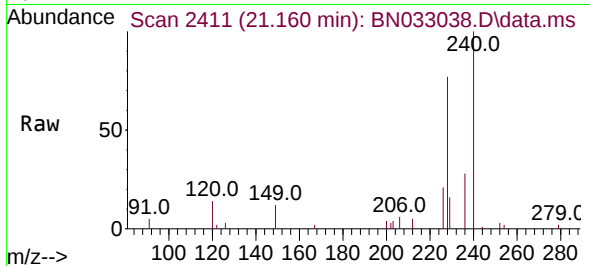
#29  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.160 min Scan# 2411  
Delta R.T. -0.006 min  
Lab File: BN033038.D  
Acq: 27 Jul 2024 18:26

Instrument :

BNA\_N

ClientSampleId :

PB162294BS

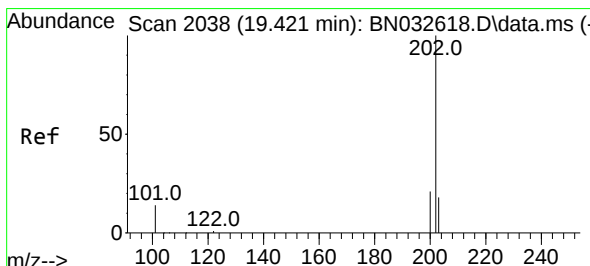
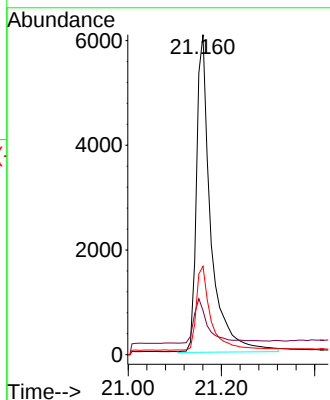
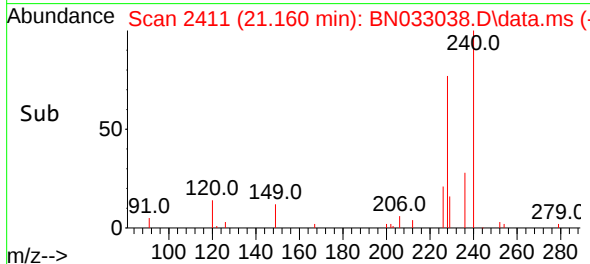


Tgt Ion:240 Resp: 12950  
Ion Ratio Lower Upper  
240 100  
120 13.8 14.8 22.2  
236 27.6 23.3 34.9

Manual Integrations

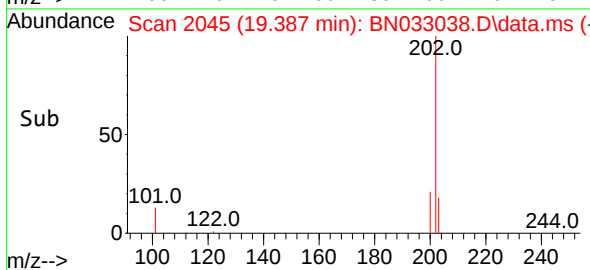
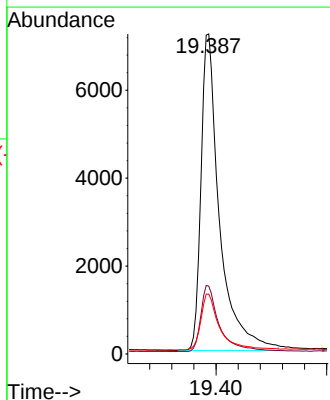
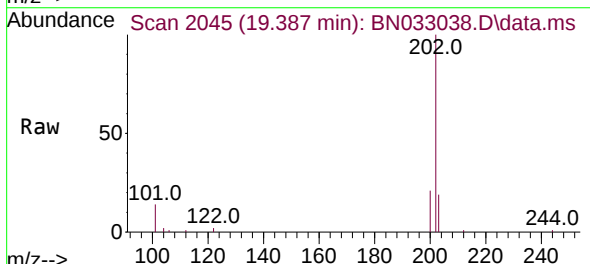
APPROVED

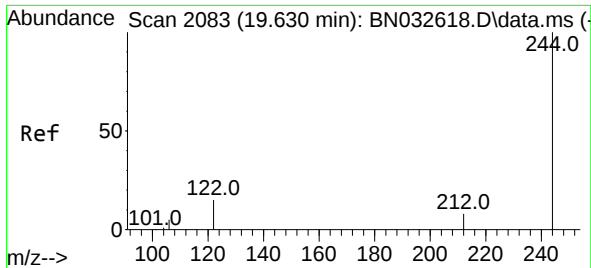
Reviewed By :Jagrut Upadhyay 07/29/2024  
Supervised By :mohammad ahmed 07/30/2024



#30  
Pyrene  
Concen: 0.317 ng  
RT: 19.387 min Scan# 2045  
Delta R.T. -0.002 min  
Lab File: BN033038.D  
Acq: 27 Jul 2024 18:26

Tgt Ion:202 Resp: 16764  
Ion Ratio Lower Upper  
202 100  
200 20.8 16.6 25.0  
203 17.9 14.8 22.2





#31  
 Terphenyl-d14  
 Concen: 0.357 ng  
 RT: 19.587 min Scan# 2088  
 Delta R.T. -0.006 min  
 Lab File: BN033038.D  
 Acq: 27 Jul 2024 18:26

Instrument :

BNA\_N

ClientSampleId :

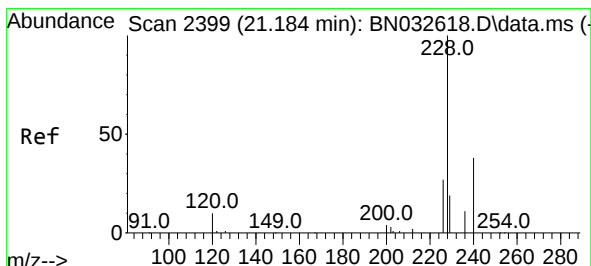
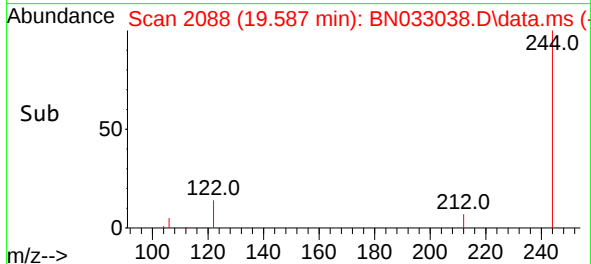
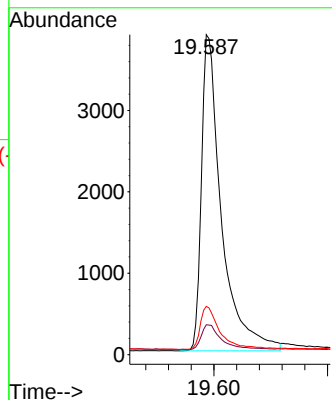
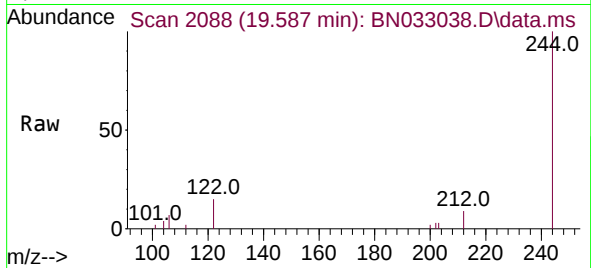
PB162294BS

Tgt Ion:244 Resp: 948  
 Ion Ratio Lower Upper  
 244 100  
 212 9.3 7.5 11.3  
 122 15.1 12.6 19.0

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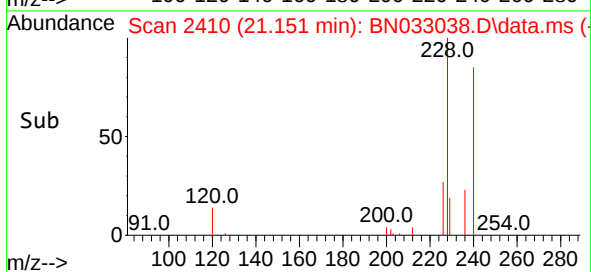
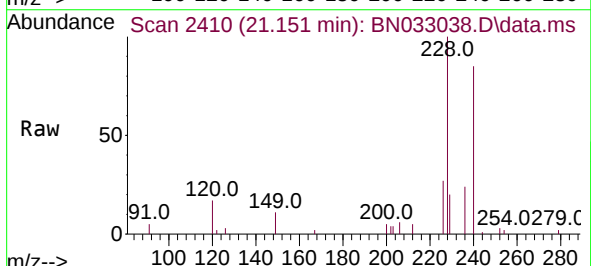
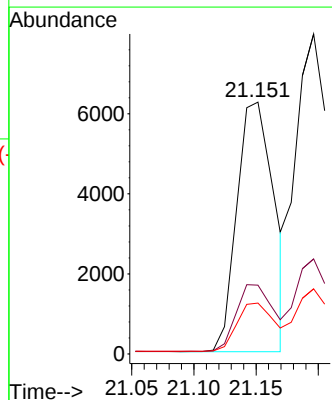
APPROVED

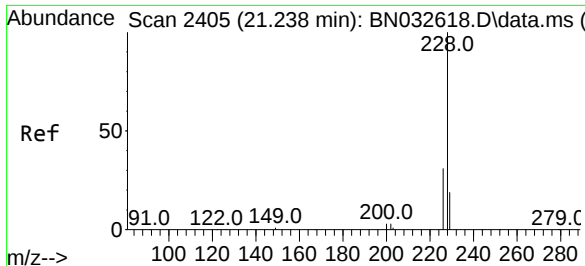
Reviewed By :Jagrut Upadhyay 07/29/2024  
 Supervised By :mohammad ahmed 07/30/2024



#32  
 Benzo(a)anthracene  
 Concen: 0.314 ng  
 RT: 21.151 min Scan# 2410  
 Delta R.T. 0.003 min  
 Lab File: BN033038.D  
 Acq: 27 Jul 2024 18:26

Tgt Ion:228 Resp: 12870  
 Ion Ratio Lower Upper  
 228 100  
 226 27.3 21.8 32.6  
 229 20.2 16.0 24.0





#33

Chrysene

Concen: 0.385 ng

RT: 21.196 min Scan# 2405

Delta R.T. -0.006 min

Lab File: BN033038.D

Acq: 27 Jul 2024 18:26

Instrument :

BNA\_N

ClientSampleId :

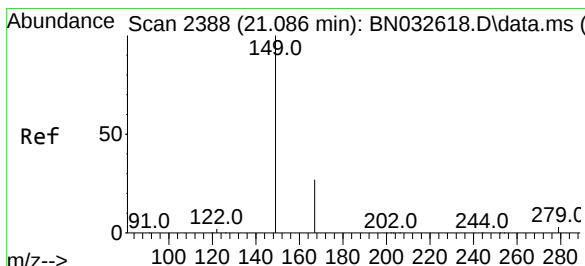
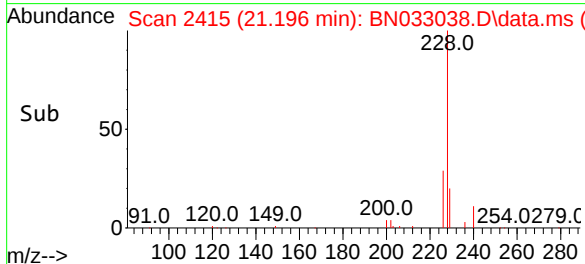
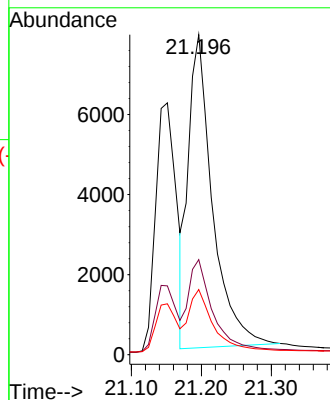
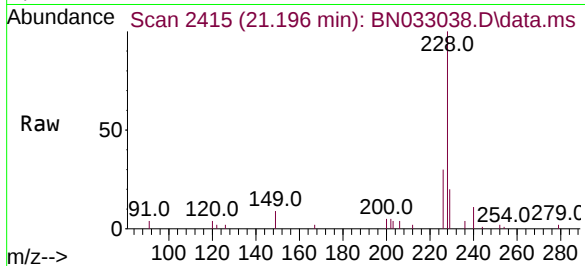
PB162294BS

Tgt Ion:228 Resp: 18718  
 Ion Ratio Lower Upper  
 228 100  
 226 29.7 24.2 36.2  
 229 20.4 16.0 24.0

Manual Integrations

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Reviewed By :Jagrut Upadhyay 07/29/2024  
 Supervised By :mohammad ahmed 07/30/2024



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.469 ng m

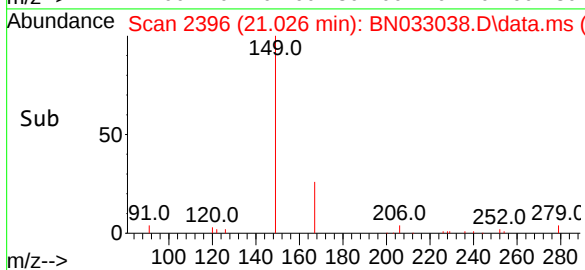
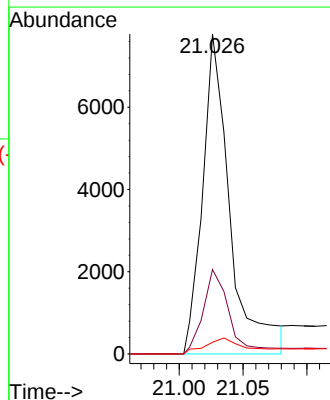
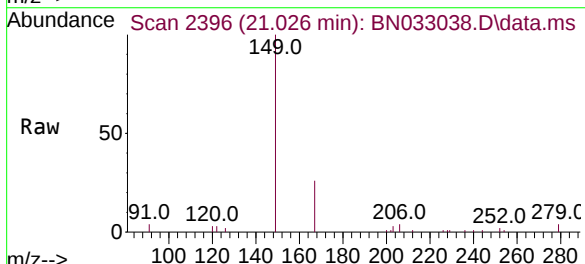
RT: 21.026 min Scan# 2396

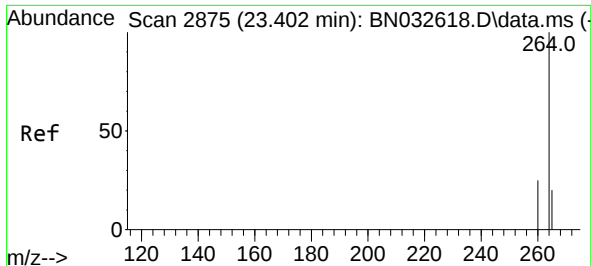
Delta R.T. -0.024 min

Lab File: BN033038.D

Acq: 27 Jul 2024 18:26

Tgt Ion:149 Resp: 10630  
 Ion Ratio Lower Upper  
 149 100  
 167 29.8 21.4 32.2  
 279 8.4 2.8 4.2#





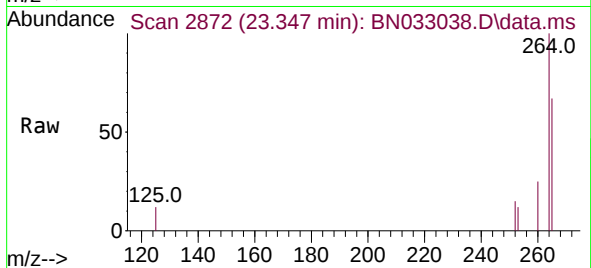
#35  
Perylene-d12  
Concen: 0.400 ng  
RT: 23.347 min Scan# 21  
Delta R.T. -0.012 min  
Lab File: BN033038.D  
Acq: 27 Jul 2024 18:26

Instrument :

BNA\_N

ClientSampleId :

PB162294BS

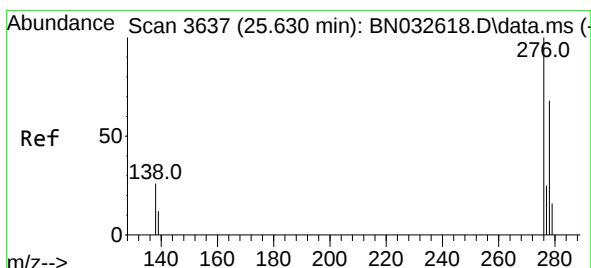
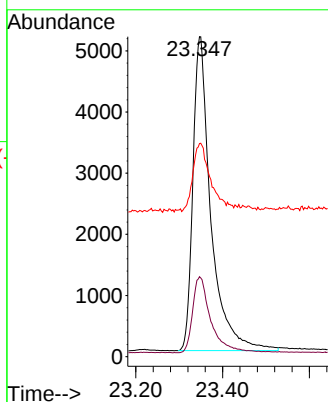
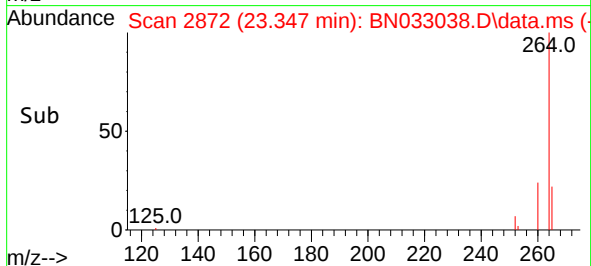


Tgt Ion:264 Resp: 1474  
Ion Ratio Lower Upper  
264 100  
260 25.0 20.9 31.3  
265 66.6 85.4 128.2

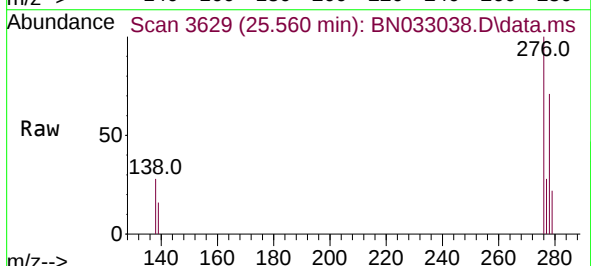
Manual Integrations

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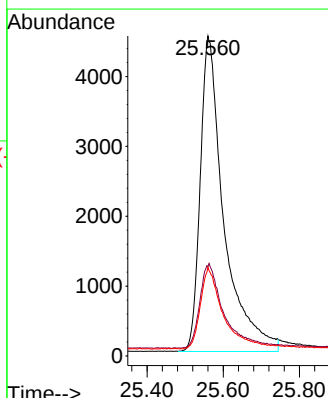
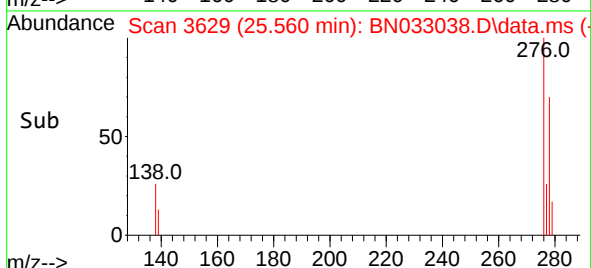
Reviewed By :Jagrut Upadhyay 07/29/2024  
Supervised By :mohammad ahmed 07/30/2024

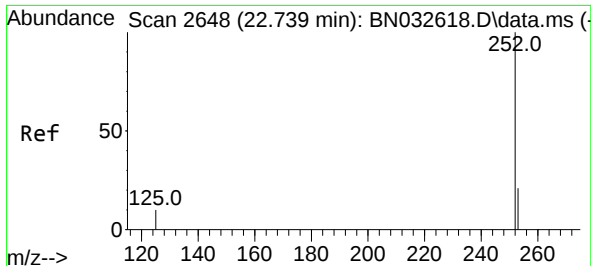


#36  
Indeno(1,2,3-cd)pyrene  
Concen: 0.335 ng  
RT: 25.560 min Scan# 3629  
Delta R.T. -0.009 min  
Lab File: BN033038.D  
Acq: 27 Jul 2024 18:26



Tgt Ion:276 Resp: 19453  
Ion Ratio Lower Upper  
276 100  
138 26.9 21.0 31.4  
277 25.0 19.5 29.3





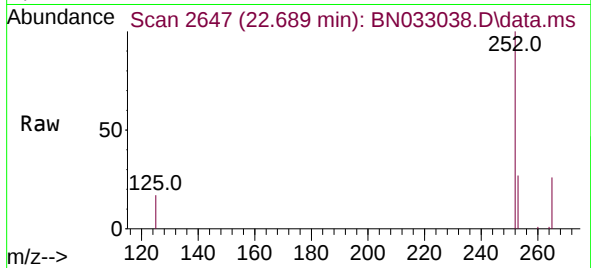
#37  
Benzo(b)fluoranthene  
Concen: 0.303 ng  
RT: 22.689 min Scan# 2647  
Delta R.T. -0.012 min  
Lab File: BN033038.D  
Acq: 27 Jul 2024 18:26

Instrument :

BN033038.D

ClientSampleId :

PB162294BS

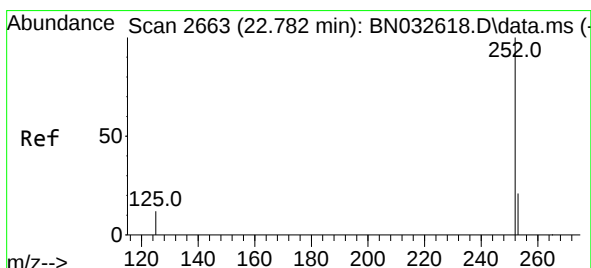
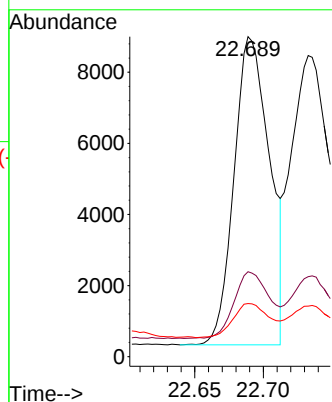
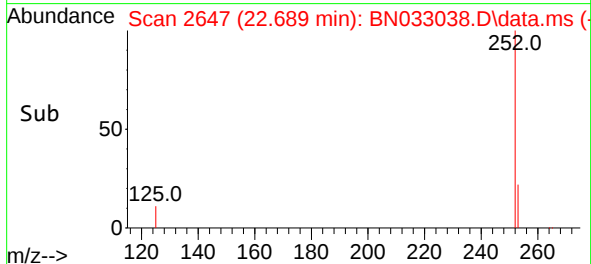


Tgt Ion:252 Resp: 15584  
Ion Ratio Lower Upper  
252 100  
253 26.6 22.3 33.5  
125 16.6 15.4 23.2

Manual Integrations

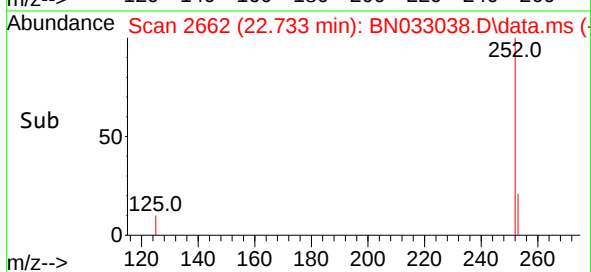
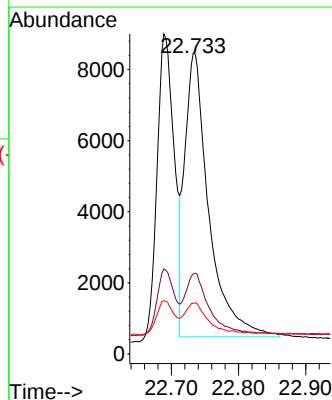
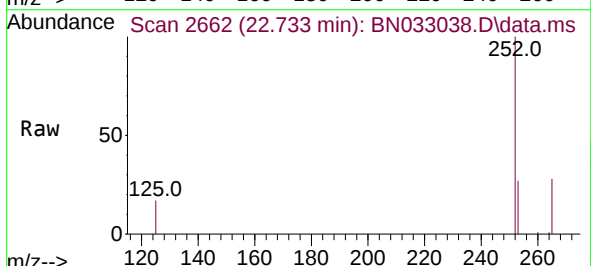
APPROVED

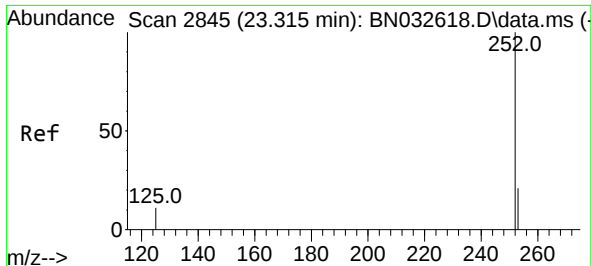
Reviewed By :Jagrut Upadhyay 07/29/2024  
Supervised By :mohammad ahmed 07/30/2024



#38  
Benzo(k)fluoranthene  
Concen: 0.337 ng m  
RT: 22.733 min Scan# 2662  
Delta R.T. -0.012 min  
Lab File: BN033038.D  
Acq: 27 Jul 2024 18:26

Tgt Ion:252 Resp: 19780  
Ion Ratio Lower Upper  
252 100  
253 26.6 22.6 34.0  
125 16.8 16.2 24.4





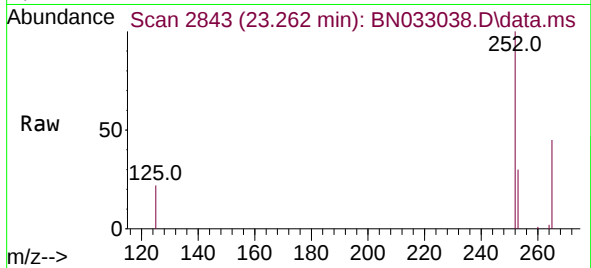
#39  
Benzo(a)pyrene  
Concen: 0.330 ng  
RT: 23.262 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: BN033038.D  
Acq: 27 Jul 2024 18:26

Instrument :

BNA\_N

ClientSampleId :

PB162294BS

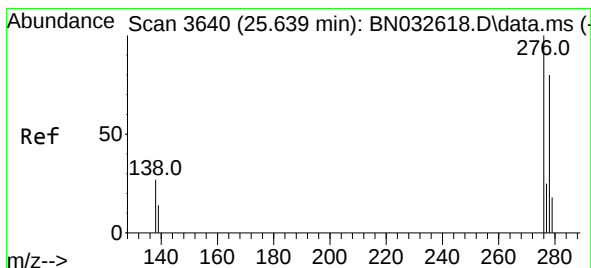
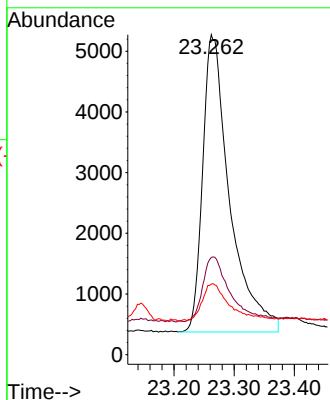
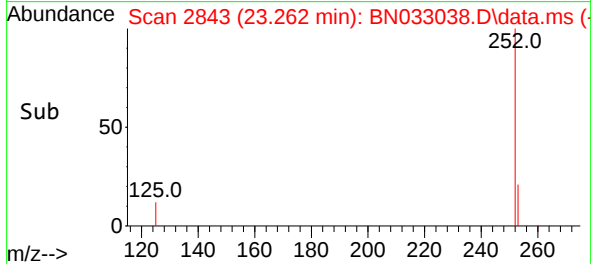


Tgt Ion:252 Resp: 15268  
Ion Ratio Lower Upper  
252 100  
253 30.4 25.8 38.8  
125 22.1 21.4 32.2

Manual Integrations

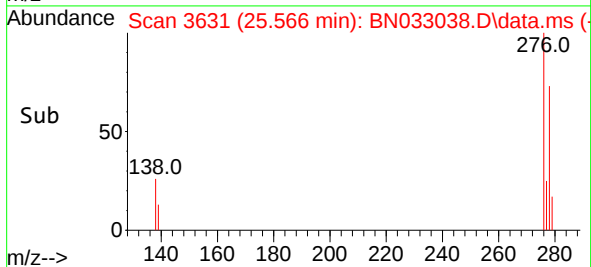
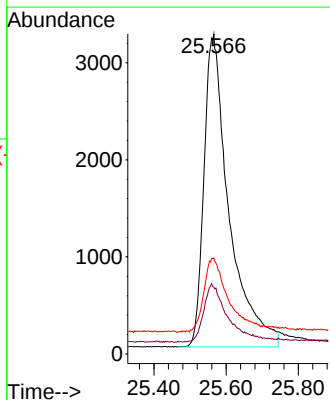
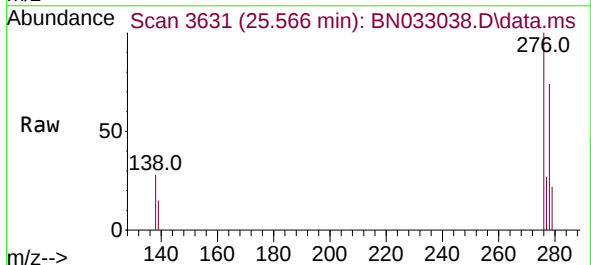
APPROVED

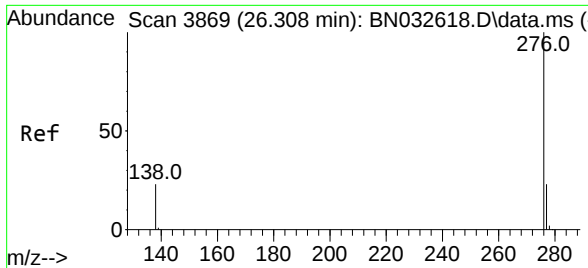
Reviewed By :Jagrut Upadhyay 07/29/2024  
Supervised By :mohammad ahmed 07/30/2024



#40  
Dibenzo(a,h)anthracene  
Concen: 0.338 ng  
RT: 25.566 min Scan# 3631  
Delta R.T. -0.003 min  
Lab File: BN033038.D  
Acq: 27 Jul 2024 18:26

Tgt Ion:278 Resp: 15535  
Ion Ratio Lower Upper  
278 100  
139 20.9 16.7 25.1  
279 30.0 24.3 36.5





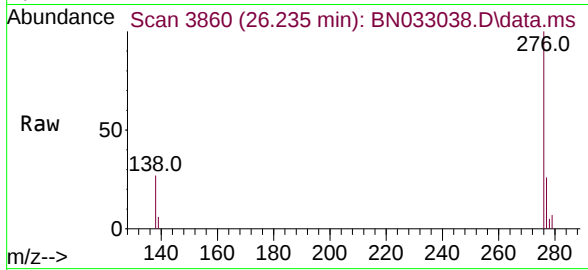
#41  
Benzo(g,h,i)perylene  
Concen: 0.337 ng  
RT: 26.235 min Scan# 3860  
Delta R.T. -0.015 min  
Lab File: BN033038.D  
Acq: 27 Jul 2024 18:26

Instrument :

BNA\_N

ClientSampleId :

PB162294BS



Tgt Ion:276 Resp: 1715  
Ion Ratio Lower Upper  
276 100  
277 26.0 20.2 30.2  
138 26.5 20.5 30.7

Manual Integrations

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Reviewed By :Jagrut Upadhyay 07/29/2024  
Supervised By :mohammad ahmed 07/30/2024

