

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN051024\  
 Data File : BN031489.D  
 Acq On : 11 May 2024 08:48  
 Operator : MA/JU  
 Sample : PB160858BS  
 Misc :  
 ALS Vial : 40 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 PB160858BS

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 05/13/2024  
 Supervised By :mohammad ahmed 05/13/2024

Quant Time: May 13 01:25:45 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN050924.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri May 10 02:12:24 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.711  | 152  | 14739    | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.485 | 136  | 46521    | 0.400 | ng    | #-0.01   |
| 13) Acenaphthene-d10          | 14.338 | 164  | 26105    | 0.400 | ng    | -0.01    |
| 19) Phenanthrene-d10          | 17.078 | 188  | 57728    | 0.400 | ng    | -0.01    |
| 29) Chrysene-d12              | 21.265 | 240  | 45520    | 0.400 | ng    | 0.00     |
| 35) Perylene-d12              | 23.505 | 264  | 38415    | 0.400 | ng    | -0.01    |
|                               |        |      |          |       |       |          |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.299  | 112  | 11981    | 0.286 | ng    | 0.00     |
| 5) Phenol-d6                  | 6.866  | 99   | 16693    | 0.296 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 8.852  | 82   | 13080    | 0.392 | ng    | -0.01    |
| 11) 2-Methylnaphthalene-d10   | 12.081 | 152  | 25118    | 0.335 | ng    | -0.01    |
| 14) 2,4,6-Tribromophenol      | 15.825 | 330  | 2576     | 0.260 | ng    | -0.01    |
| 15) 2-Fluorobiphenyl          | 12.970 | 172  | 38330    | 0.381 | ng    | -0.01    |
| 27) Fluoranthene-d10          | 19.114 | 212  | 51028    | 0.319 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.718 | 244  | 36977    | 0.332 | ng    | -0.01    |
|                               |        |      |          |       |       |          |
| Target Compounds              |        |      |          |       |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.248  | 88   | 6449     | 0.356 | ng    | # 86     |
| 3) n-Nitrosodimethylamine     | 3.551  | 42   | 6924     | 0.387 | ng    | # 86     |
| 6) bis(2-Chloroethyl)ether    | 7.141  | 93   | 17594    | 0.358 | ng    | 96       |
| 9) Naphthalene                | 10.539 | 128  | 46603    | 0.360 | ng    | 96       |
| 10) Hexachlorobutadiene       | 10.827 | 225  | 8279     | 0.365 | ng    | # 100    |
| 12) 2-Methylnaphthalene       | 12.157 | 142  | 30359    | 0.344 | ng    | 99       |
| 16) Acenaphthylene            | 14.060 | 152  | 43523    | 0.331 | ng    | 100      |
| 17) Acenaphthene              | 14.403 | 154  | 29651m   | 0.362 | ng    |          |
| 18) Fluorene                  | 15.386 | 166  | 37523    | 0.350 | ng    | 100      |
| 20) 4,6-Dinitro-2-methylph... | 15.461 | 198  | 1873     | 0.397 | ng    | # 37     |
| 21) 4-Bromophenyl-phenylether | 16.284 | 248  | 11907    | 0.352 | ng    | 99       |
| 22) Hexachlorobenzene         | 16.383 | 284  | 13676    | 0.401 | ng    | 97       |
| 23) Atrazine                  | 16.557 | 200  | 7666     | 0.250 | ng    | 97       |
| 24) Pentachlorophenol         | 16.731 | 266  | 3202     | 0.266 | ng    | 99       |
| 25) Phenanthrene              | 17.116 | 178  | 60149    | 0.372 | ng    | 100      |
| 26) Anthracene                | 17.215 | 178  | 51178    | 0.320 | ng    | 100      |
| 28) Fluoranthene              | 19.142 | 202  | 67558    | 0.344 | ng    | 99       |
| 30) Pyrene                    | 19.505 | 202  | 67460    | 0.366 | ng    | 100      |
| 32) Benzo(a)anthracene        | 21.247 | 228  | 54405    | 0.310 | ng    | 99       |
| 33) Chrysene                  | 21.301 | 228  | 59731    | 0.357 | ng    | 99       |
| 34) Bis(2-ethylhexyl)phtha... | 21.202 | 149  | 20839    | 0.203 | ng    | # 96     |
| 36) Indeno(1,2,3-cd)pyrene    | 25.773 | 276  | 42184    | 0.276 | ng    | 99       |
| 37) Benzo(b)fluoranthene      | 22.832 | 252  | 48332    | 0.351 | ng    | 99       |
| 38) Benzo(k)fluoranthene      | 22.876 | 252  | 54762m   | 0.420 | ng    |          |
| 39) Benzo(a)pyrene            | 23.405 | 252  | 37793    | 0.315 | ng    | 98       |
| 40) Dibenzo(a,h)anthracene    | 25.791 | 278  | 34251    | 0.282 | ng    | 98       |
| 41) Benzo(g,h,i)perylene      | 26.458 | 276  | 35913    | 0.275 | ng    | 99       |
| -----                         |        |      |          |       |       |          |

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

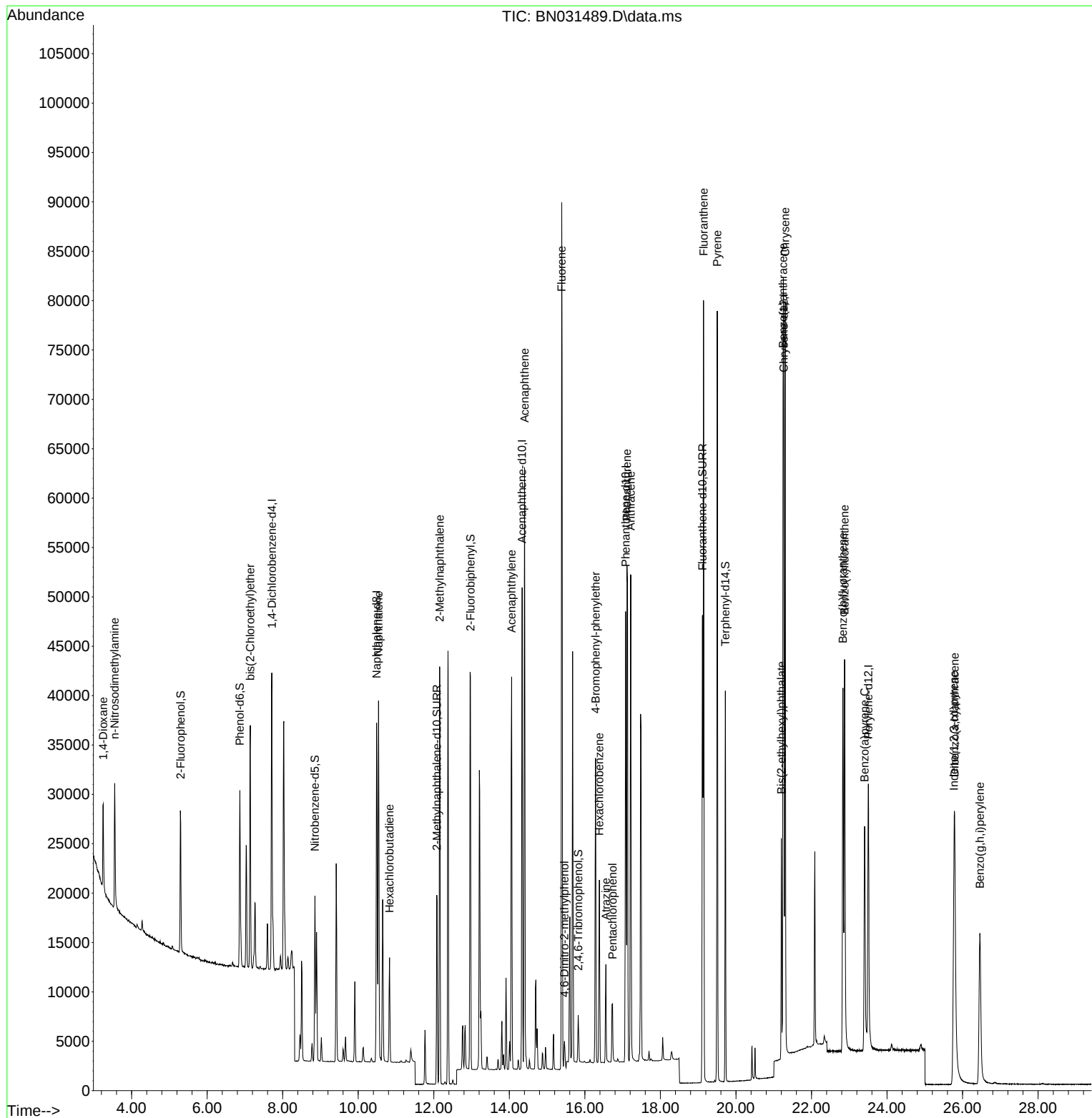
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN051024\  
Data File : BN031489.D  
Acq On : 11 May 2024 08:48  
Operator : MA/JU  
Sample : PB160858BS  
Misc :  
ALS Vial : 40 Sample Multiplier: 1

Instrument :  
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Quant Time: May 13 01:25:45 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN050924.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri May 10 02:12:24 2024  
Response via : Initial Calibration

Manual Integrations  
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Reviewed By :Yogesh Patel 05/13/2024  
Supervised By :mohammad ahmed 05/13/2024





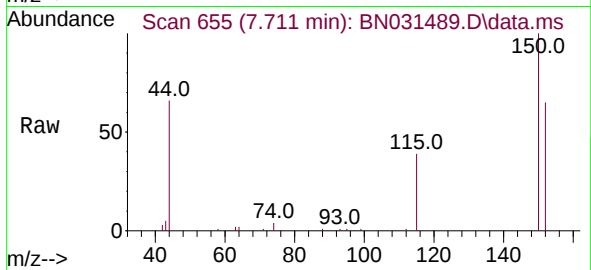
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1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.711 min Scan# 656  
Delta R.T. -0.007 min  
Lab File: BN031489.D  
Acq: 11 May 2024 08:48

Instrument :

BNA\_N

ClientSampleId :

PB160858BS

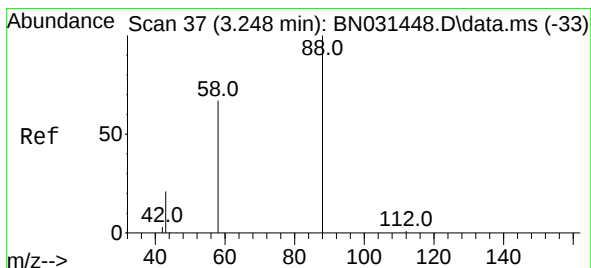
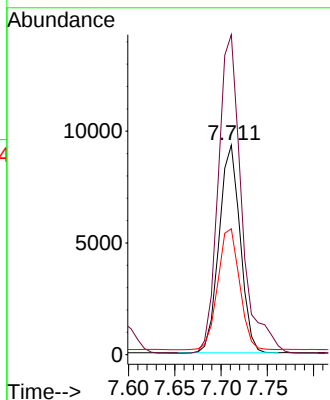
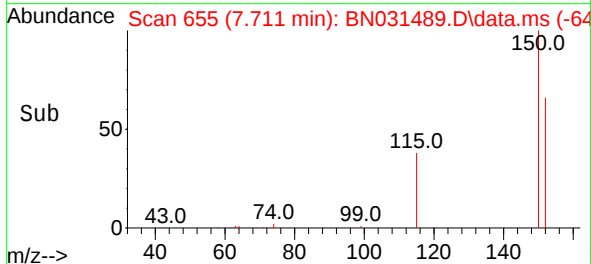


Tgt Ion:152 Resp: 14739  
Ion Ratio Lower Upper  
152 100  
150 152.7 119.3 178.9  
115 60.1 54.8 82.2

Manual Integrations

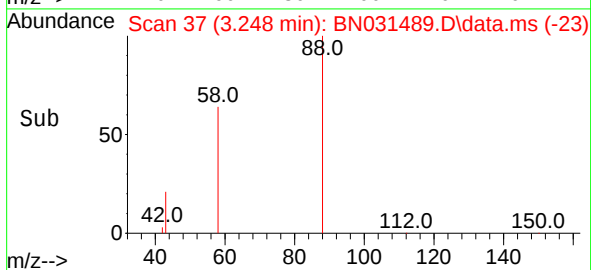
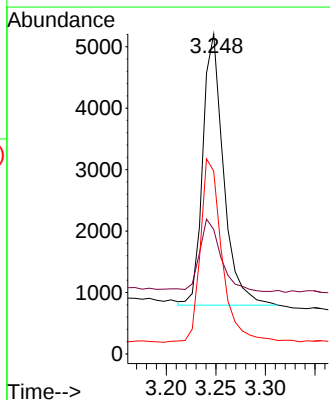
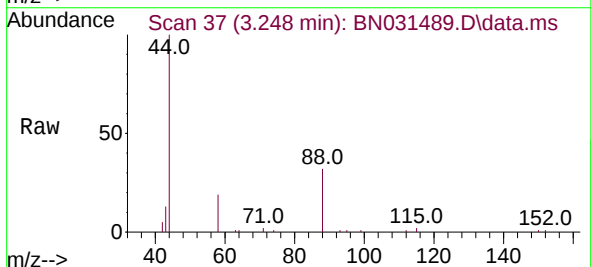
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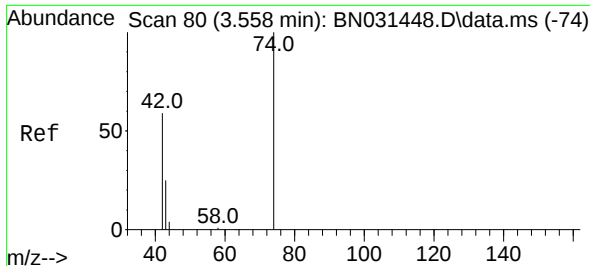
Reviewed By :Yogesh Patel 05/13/2024  
Supervised By :mohammad ahmed 05/13/2024



#2  
1,4-Dioxane  
Concen: 0.356 ng  
RT: 3.248 min Scan# 37  
Delta R.T. -0.000 min  
Lab File: BN031489.D  
Acq: 11 May 2024 08:48

Tgt Ion: 88 Resp: 6449  
Ion Ratio Lower Upper  
88 100  
43 27.4 39.0 58.6#  
58 70.4 54.9 82.3





#3

n-Nitrosodimethylamine

Concen: 0.387 ng

RT: 3.551 min Scan# 74

Delta R.T. -0.007 min

Lab File: BN031489.D

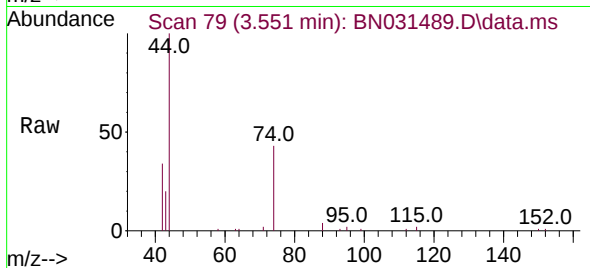
Acq: 11 May 2024 08:48

Instrument :

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ClientSampleId :

PB160858BS



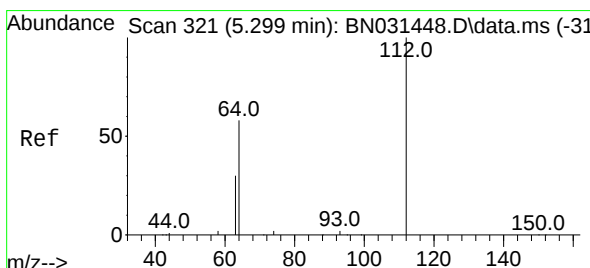
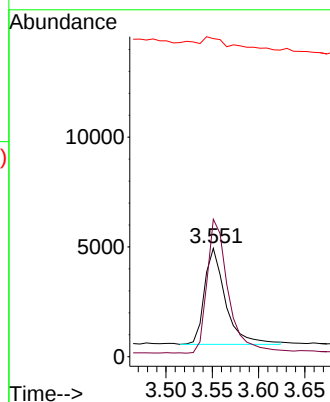
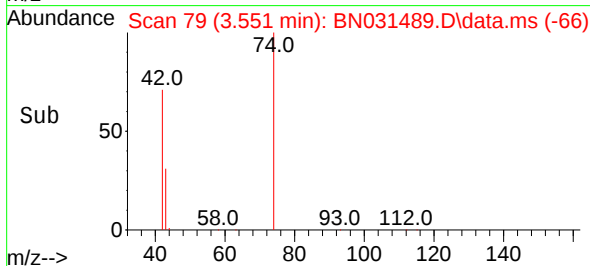
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 42    | Resp: | 6924  |
| Ion Ratio | Lower | Upper |       |
| 42        | 100   |       |       |
| 74        | 140.5 | 126.4 | 189.6 |
| 44        | 16.8  | 6.9   | 10.3  |

Manual Integrations

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Reviewed By :Yogesh Patel 05/13/2024

Supervised By :mohammad ahmed 05/13/2024



#4

2-Fluorophenol

Concen: 0.286 ng

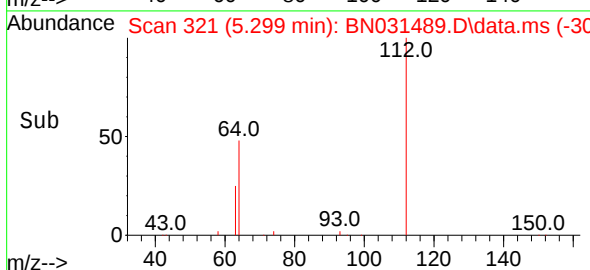
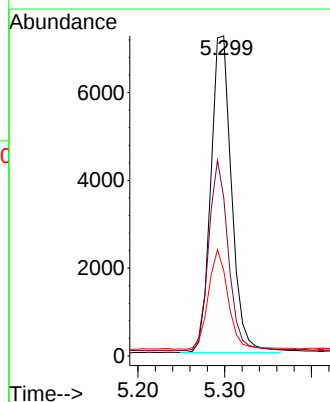
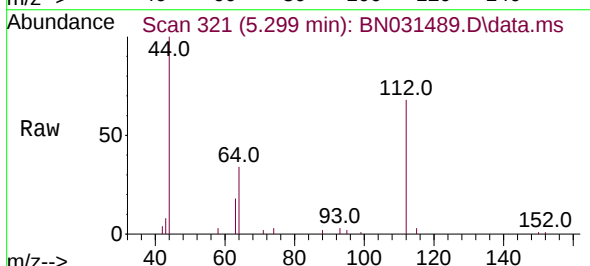
RT: 5.299 min Scan# 321

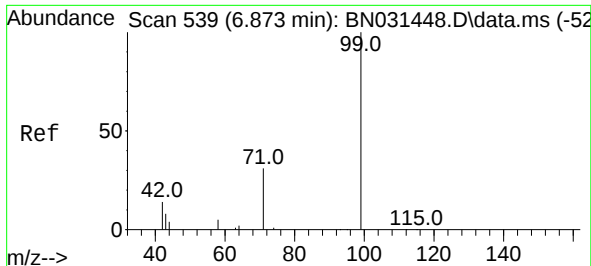
Delta R.T. -0.000 min

Lab File: BN031489.D

Acq: 11 May 2024 08:48

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 112   | Resp: | 11981 |
| Ion Ratio | Lower | Upper |       |
| 112       | 100   |       |       |
| 64        | 56.8  | 44.0  | 66.0  |
| 63        | 29.9  | 22.2  | 33.4  |





#5  
Phenol-d6  
Concen: 0.296 ng  
RT: 6.866 min Scan# 51  
Delta R.T. -0.007 min  
Lab File: BN031489.D  
Acq: 11 May 2024 08:48

Instrument :

BNA\_N

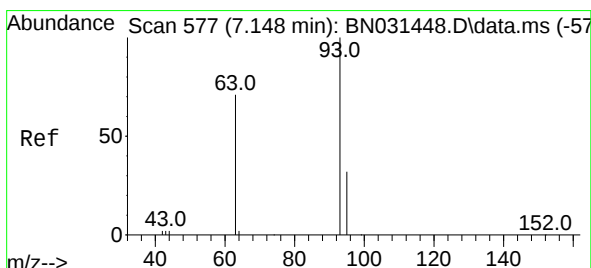
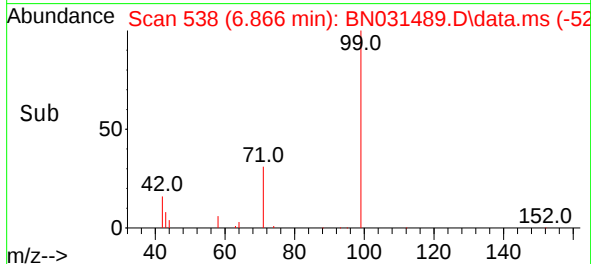
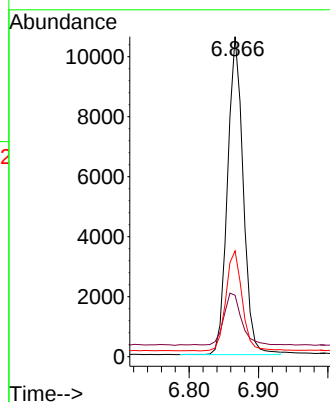
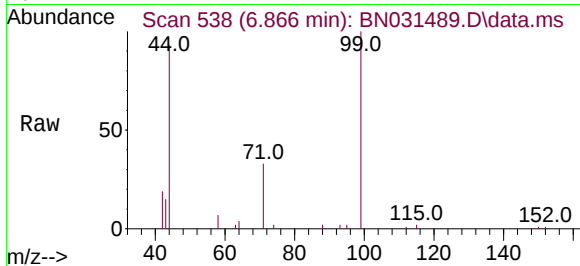
ClientSampleId :

PB160858BS

Tgt Ion: 99 Resp: 1669  
Ion Ratio Lower Upper  
99 100  
42 18.1 13.5 20.3  
71 32.7 26.1 39.1

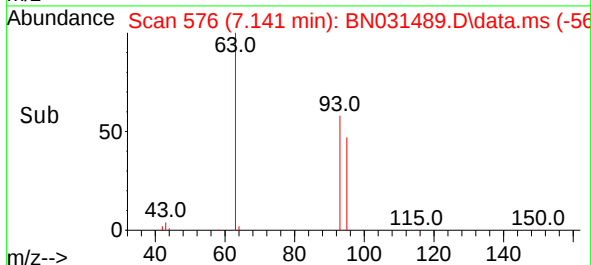
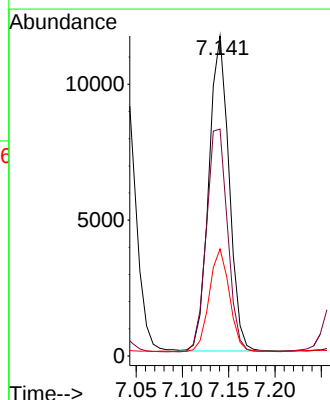
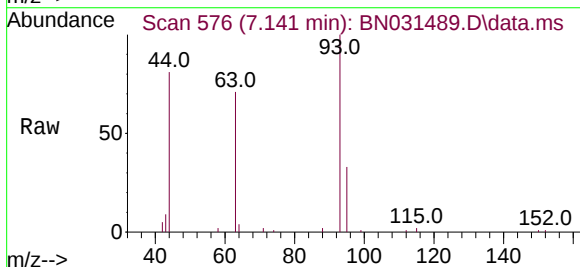
Manual Integrations  
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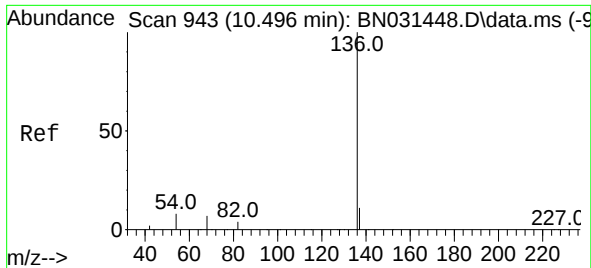
Reviewed By :Yogesh Patel 05/13/2024  
Supervised By :mohammad ahmed 05/13/2024



#6  
bis(2-Chloroethyl)ether  
Concen: 0.358 ng  
RT: 7.141 min Scan# 576  
Delta R.T. -0.007 min  
Lab File: BN031489.D  
Acq: 11 May 2024 08:48

Tgt Ion: 93 Resp: 17594  
Ion Ratio Lower Upper  
93 100  
63 74.4 56.6 85.0  
95 32.6 27.3 40.9





#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.485 min Scan# 941  
Delta R.T. -0.011 min  
Lab File: BN031489.D  
Acq: 11 May 2024 08:48

Instrument :

BNA\_N

ClientSampleId :

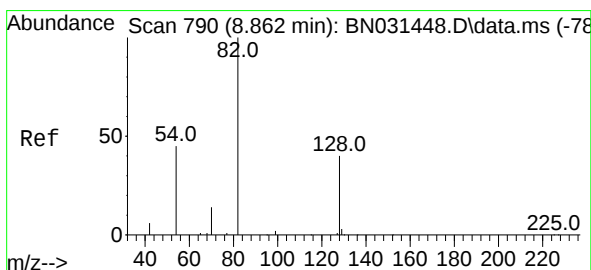
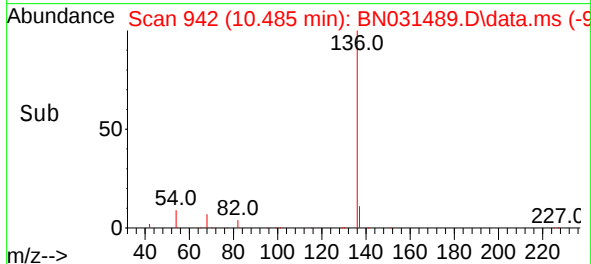
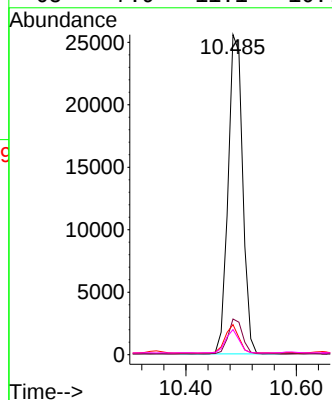
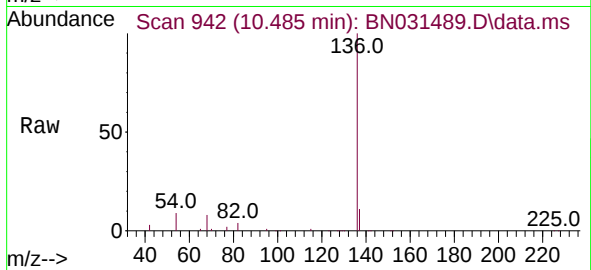
PB160858BS

Tgt Ion:136 Resp: 4652  
Ion Ratio Lower Upper  
136 100  
137 11.2 10.1 15.1  
54 9.4 10.5 15.7  
68 7.9 11.1 16.7#

Manual Integrations

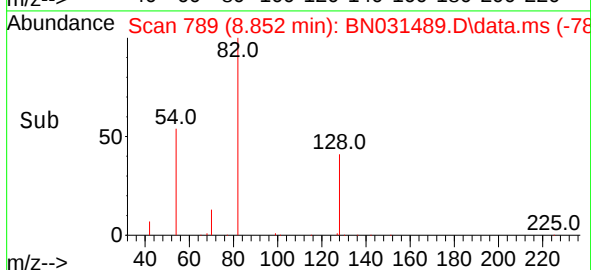
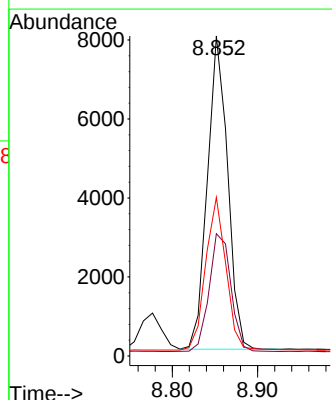
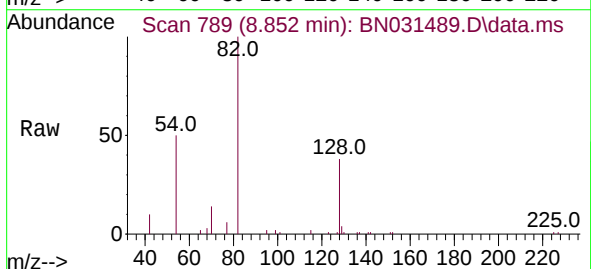
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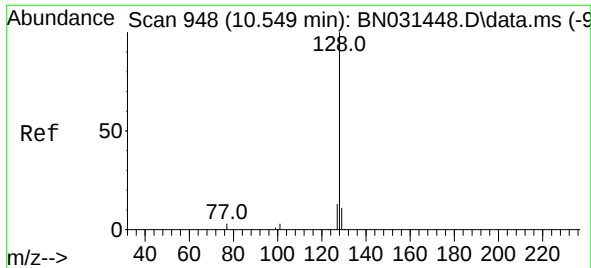
Reviewed By :Yogesh Patel 05/13/2024  
Supervised By :mohammad ahmed 05/13/2024



#8  
Nitrobenzene-d5  
Concen: 0.392 ng  
RT: 8.852 min Scan# 789  
Delta R.T. -0.011 min  
Lab File: BN031489.D  
Acq: 11 May 2024 08:48

Tgt Ion: 82 Resp: 13080  
Ion Ratio Lower Upper  
82 100  
128 38.2 29.0 43.6  
54 49.5 37.2 55.8





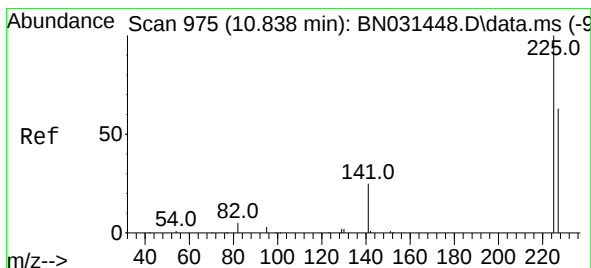
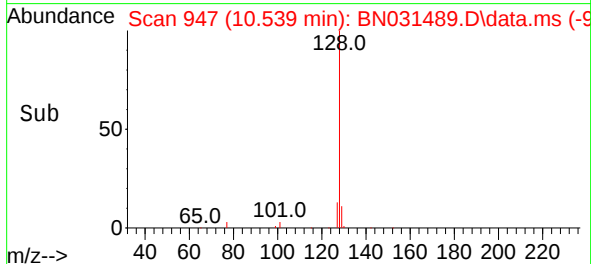
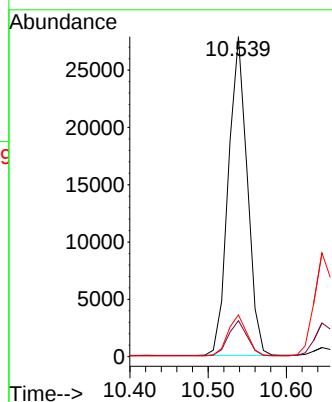
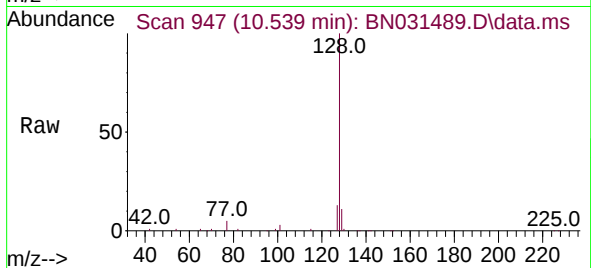
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Naphthalene  
Concen: 0.360 ng  
RT: 10.539 min Scan# 948  
Delta R.T. -0.011 min  
Lab File: BN031489.D  
Acq: 11 May 2024 08:48

Instrument :  
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PB160858BS

Tgt Ion:128 Resp: 4660  
Ion Ratio Lower Upper  
128 100  
129 11.2 10.2 15.4  
127 13.0 11.7 17.5

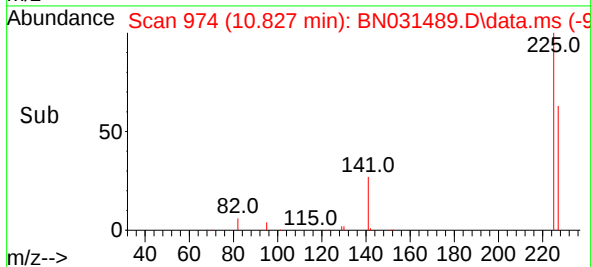
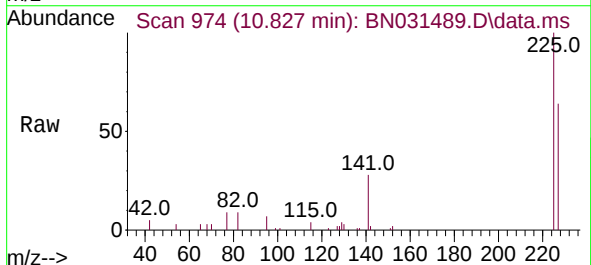
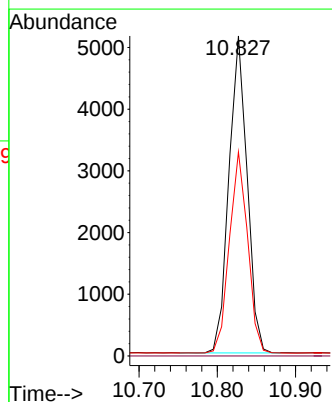
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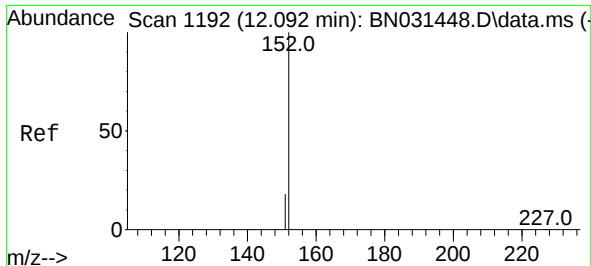
Reviewed By :Yogesh Patel 05/13/2024  
Supervised By :mohammad ahmed 05/13/2024



#10  
Hexachlorobutadiene  
Concen: 0.365 ng  
RT: 10.827 min Scan# 974  
Delta R.T. -0.011 min  
Lab File: BN031489.D  
Acq: 11 May 2024 08:48

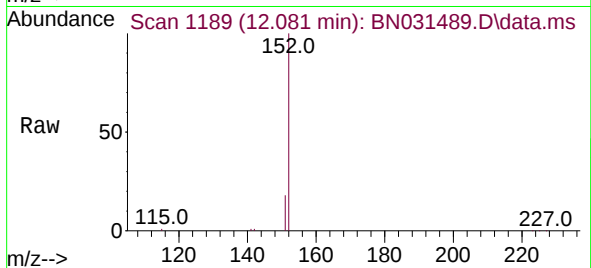
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Ion Ratio Lower Upper  
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223 0.0 0.0 0.0  
227 63.6 50.7 76.1





#11  
2-Methylnaphthalene-d10  
Concen: 0.335 ng  
RT: 12.081 min Scan# 1192  
Delta R.T. -0.011 min  
Lab File: BN031489.D  
Acq: 11 May 2024 08:48

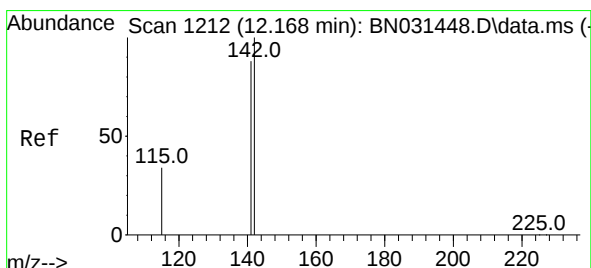
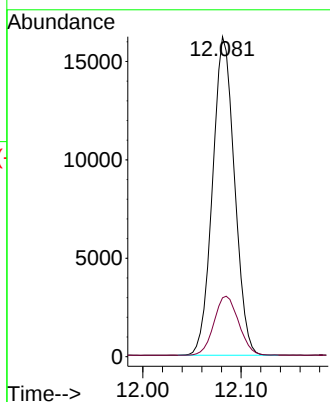
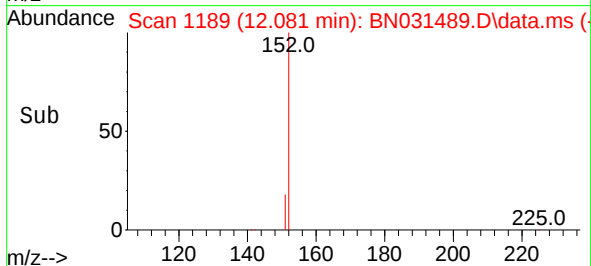
Instrument :  
BNA\_N  
ClientSampleId :  
PB160858BS



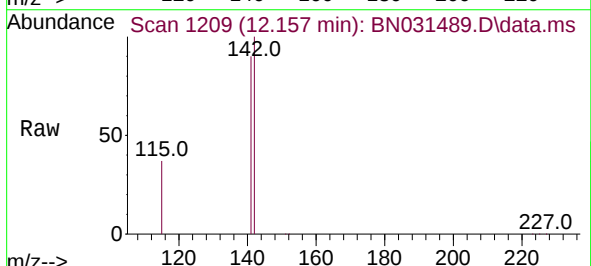
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Ion Ratio Lower Upper  
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Manual Integrations  
APPROVED

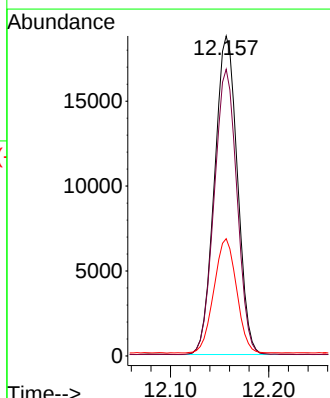
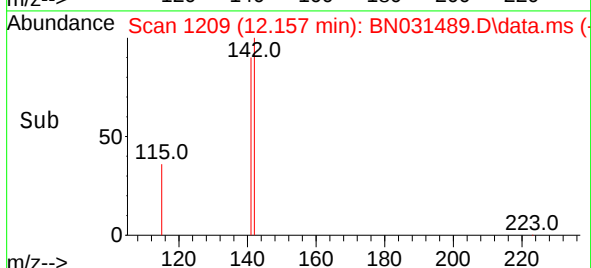
Reviewed By :Yogesh Patel 05/13/2024  
Supervised By :mohammad ahmed 05/13/2024

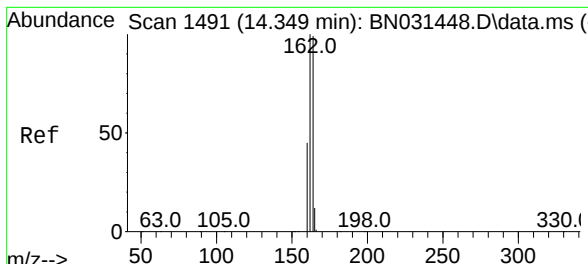


#12  
2-Methylnaphthalene  
Concen: 0.344 ng  
RT: 12.157 min Scan# 1209  
Delta R.T. -0.011 min  
Lab File: BN031489.D  
Acq: 11 May 2024 08:48



Tgt Ion:142 Resp: 30359  
Ion Ratio Lower Upper  
142 100  
141 89.6 71.0 106.6  
115 36.7 30.2 45.2





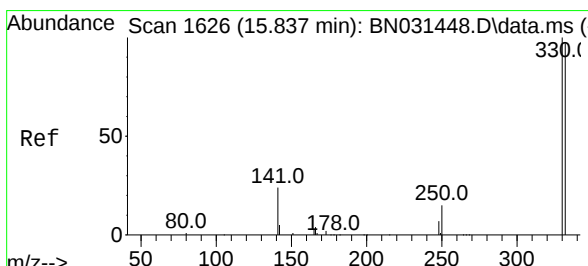
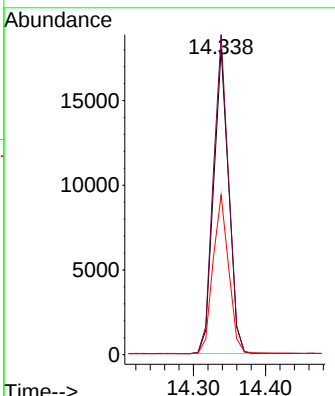
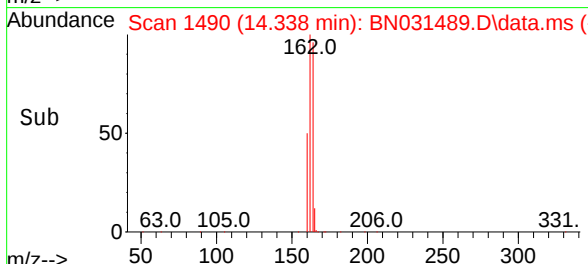
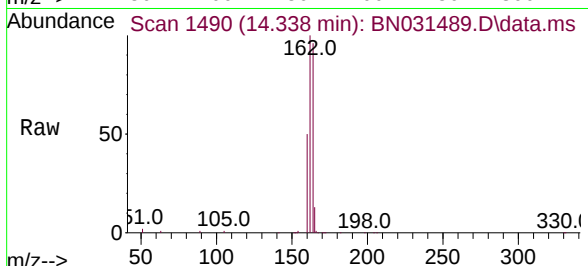
#13  
 Acenaphthene-d10  
 Concen: 0.400 ng  
 RT: 14.338 min Scan# 1490  
 Delta R.T. -0.011 min  
 Lab File: BN031489.D  
 Acq: 11 May 2024 08:48

Instrument : BNA\_N  
 ClientSampleId : PB160858BS

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 164   | Resp: | 2610  |
| Ion Ratio | Lower | Upper |       |
| 164       | 100   |       |       |
| 162       | 104.6 | 81.2  | 121.8 |
| 160       | 52.2  | 37.0  | 55.6  |

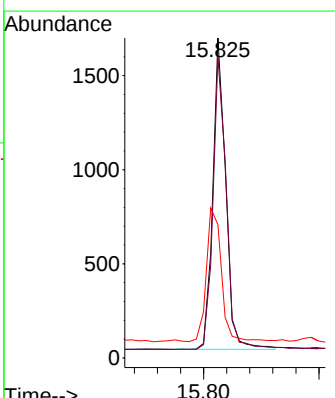
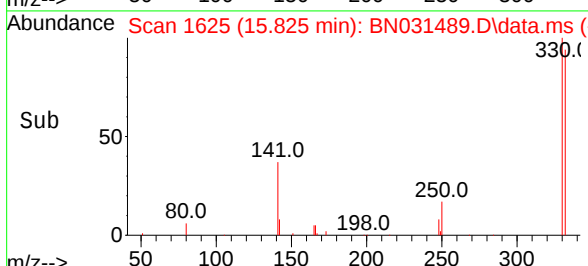
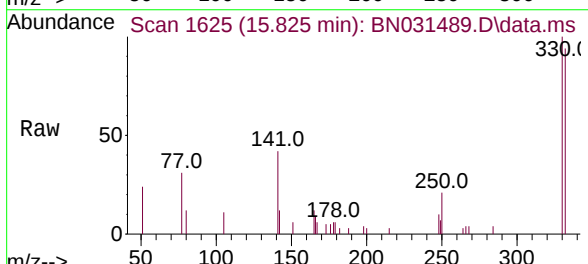
Manual Integrations  
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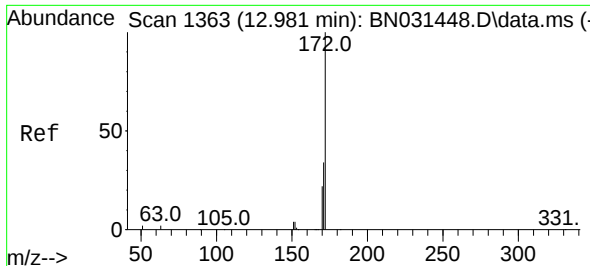
Reviewed By :Yogesh Patel 05/13/2024  
 Supervised By :mohammad ahmed 05/13/2024



#14  
 2,4,6-Tribromophenol  
 Concen: 0.260 ng  
 RT: 15.825 min Scan# 1625  
 Delta R.T. -0.012 min  
 Lab File: BN031489.D  
 Acq: 11 May 2024 08:48

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 330   | Resp: | 2576  |
| Ion Ratio | Lower | Upper |       |
| 330       | 100   |       |       |
| 332       | 96.3  | 76.6  | 114.8 |
| 141       | 49.5  | 37.0  | 55.4  |





#15

2-Fluorobiphenyl

Concen: 0.381 ng

RT: 12.970 min Scan# 1362

Delta R.T. -0.011 min

Lab File: BN031489.D

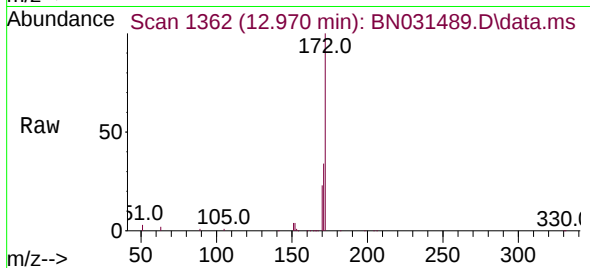
Acq: 11 May 2024 08:48

Instrument :

BNA\_N

ClientSampleId :

PB160858BS



Tgt Ion:172 Resp: 38330

Ion Ratio Lower Upper

172 100

171 34.3 27.8 41.8

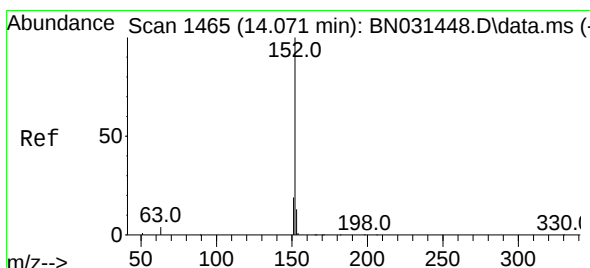
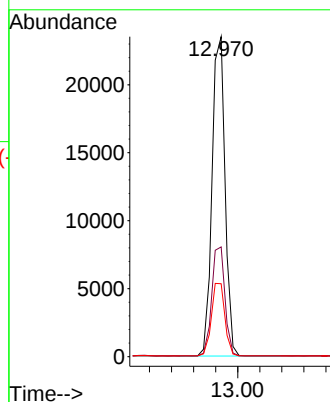
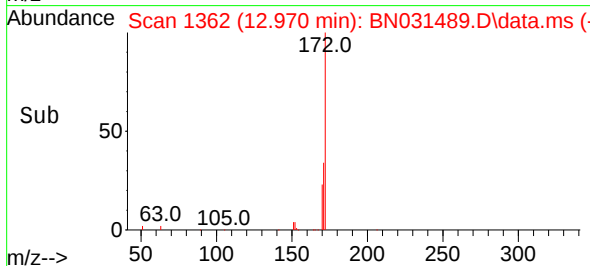
170 22.8 18.3 27.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 05/13/2024

Supervised By :mohammad ahmed 05/13/2024



#16

Acenaphthylene

Concen: 0.331 ng

RT: 14.060 min Scan# 1464

Delta R.T. -0.011 min

Lab File: BN031489.D

Acq: 11 May 2024 08:48

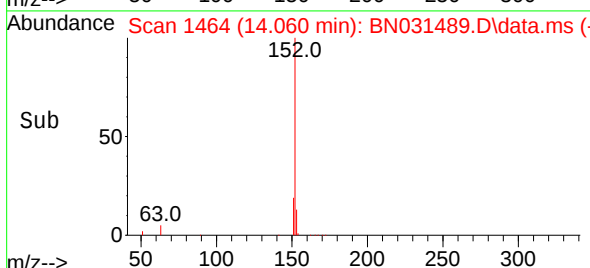
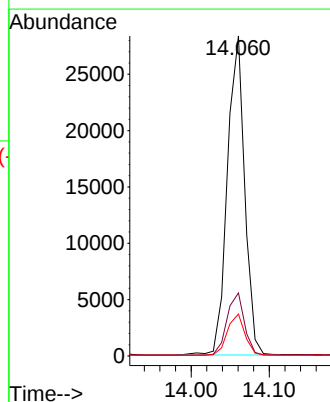
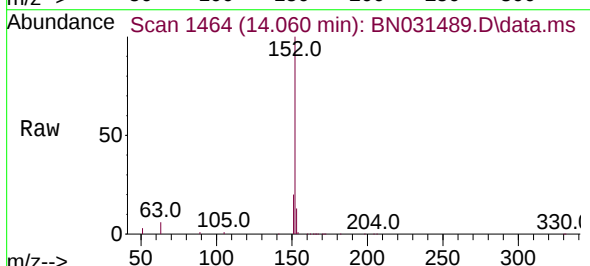
Tgt Ion:152 Resp: 43523

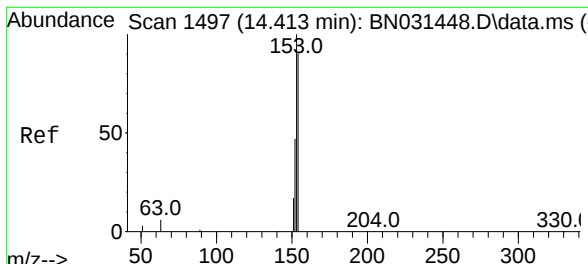
Ion Ratio Lower Upper

152 100

151 19.5 15.7 23.5

153 12.9 10.5 15.7





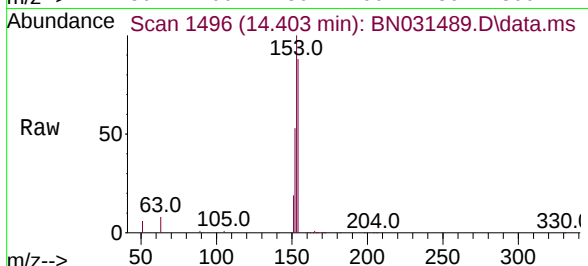
#17  
 Acenaphthene  
 Concen: 0.362 ng m  
 RT: 14.403 min Scan# 1496  
 Delta R.T. -0.011 min  
 Lab File: BN031489.D  
 Acq: 11 May 2024 08:48

Instrument :

BNA\_N

ClientSampleId :

PB160858BS



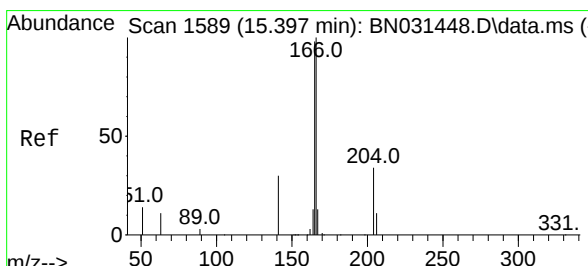
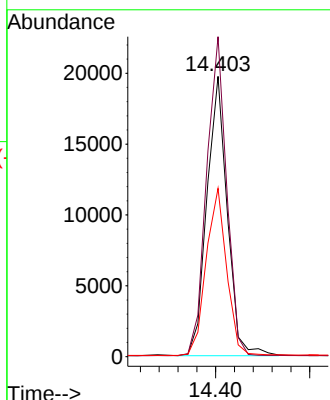
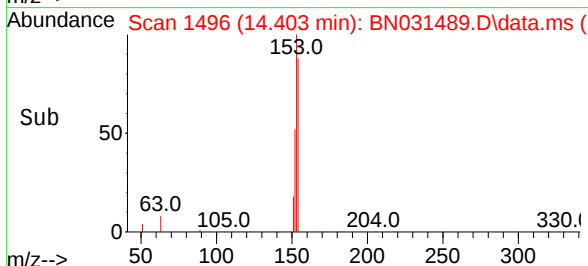
Tgt Ion:154 Resp: 2965  
 Ion Ratio Lower Upper  
 154 100  
 153 111.8 89.1 133.7  
 152 59.9 42.6 64.0

Manual Integrations

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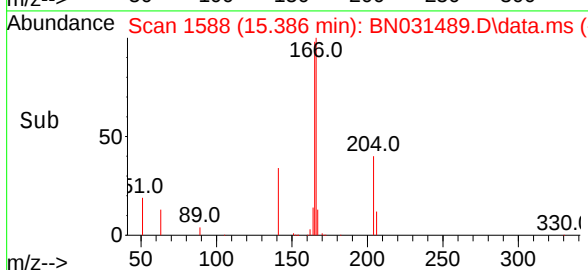
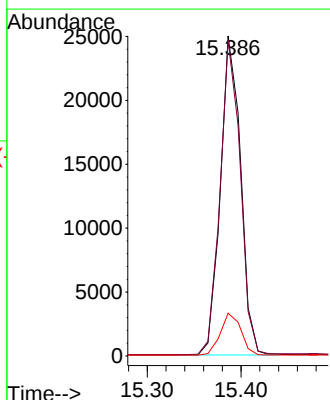
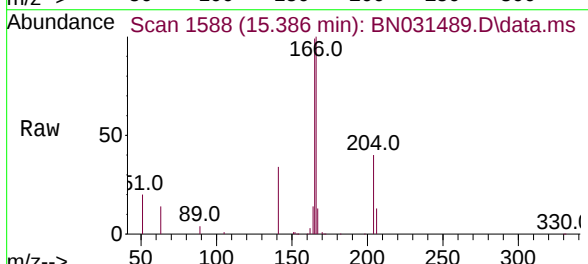
Reviewed By :Yogesh Patel 05/13/2024

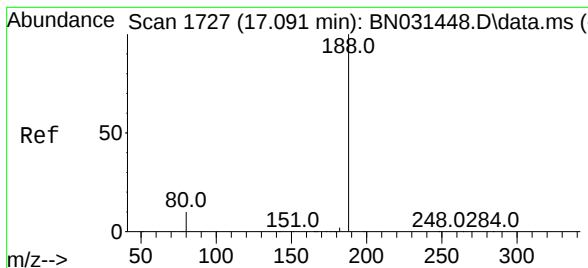
Supervised By :mohammad ahmed 05/13/2024



#18  
 Fluorene  
 Concen: 0.350 ng  
 RT: 15.386 min Scan# 1588  
 Delta R.T. -0.011 min  
 Lab File: BN031489.D  
 Acq: 11 May 2024 08:48

Tgt Ion:166 Resp: 37523  
 Ion Ratio Lower Upper  
 166 100  
 165 97.9 78.2 117.2  
 167 13.4 10.8 16.2





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.078 min Scan# 11

Delta R.T. -0.012 min

Lab File: BN031489.D

Acq: 11 May 2024 08:48

Instrument :

BNA\_N

ClientSampleId :

PB160858BS

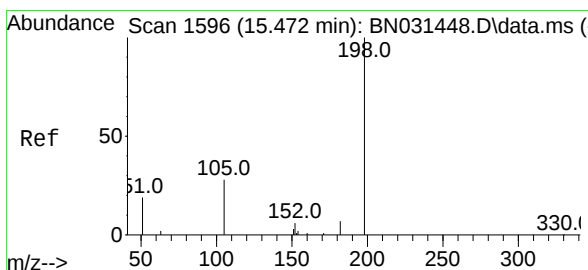
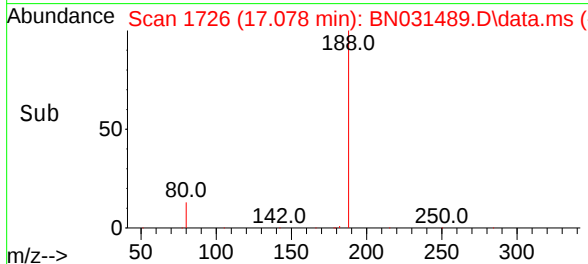
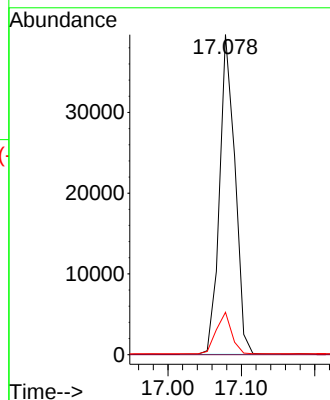
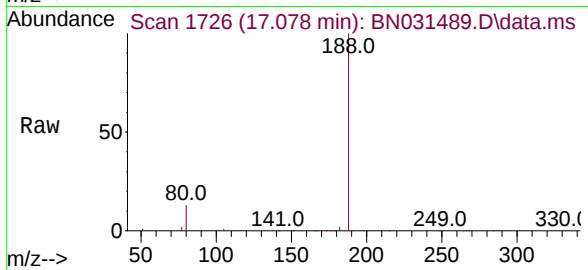
Tgt Ion:188 Resp: 57728  
 Ion Ratio Lower Upper  
 188 100  
 94 0.0 0.0 0.0  
 80 13.3 9.6 14.4

Manual Integrations

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Reviewed By :Yogesh Patel 05/13/2024

Supervised By :mohammad ahmed 05/13/2024



#20

4,6-Dinitro-2-methylphenol

Concen: 0.397 ng

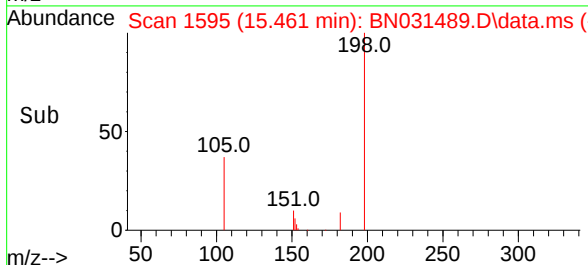
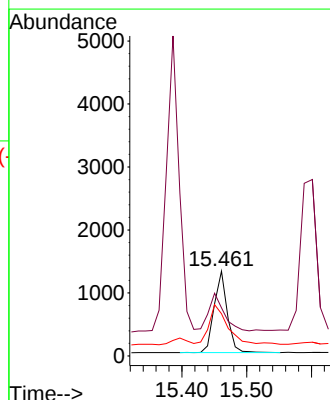
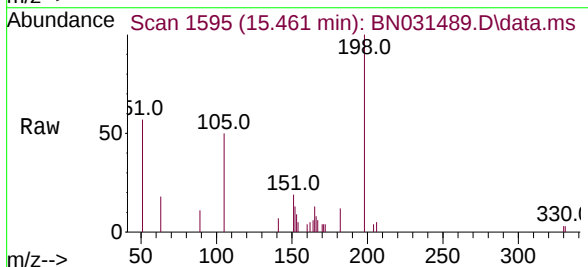
RT: 15.461 min Scan# 1595

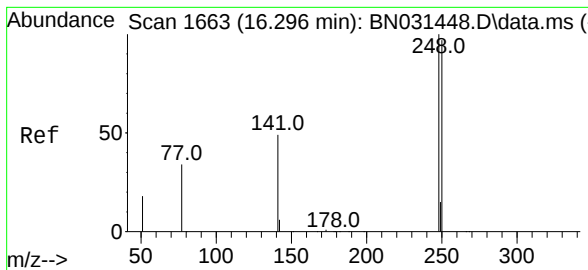
Delta R.T. -0.011 min

Lab File: BN031489.D

Acq: 11 May 2024 08:48

Tgt Ion:198 Resp: 1873  
 Ion Ratio Lower Upper  
 198 100  
 51 56.8 78.3 117.5#  
 105 49.9 117.2 175.8#





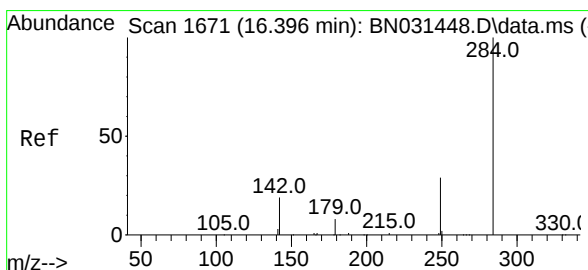
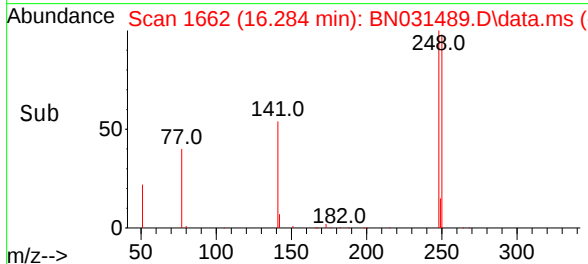
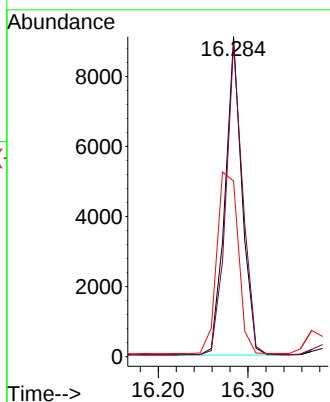
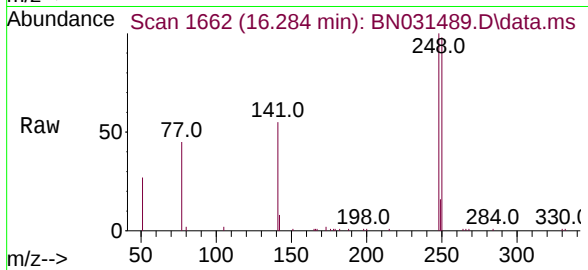
#21  
4-Bromophenyl-phenylether  
Concen: 0.352 ng  
RT: 16.284 min Scan# 1662  
Delta R.T. -0.012 min  
Lab File: BN031489.D  
Acq: 11 May 2024 08:48

Instrument :  
BNA\_N  
ClientSampleId :  
PB160858BS

Tgt Ion:248 Resp: 1190  
Ion Ratio Lower Upper  
248 100  
250 97.7 77.9 116.9  
141 54.9 43.4 65.2

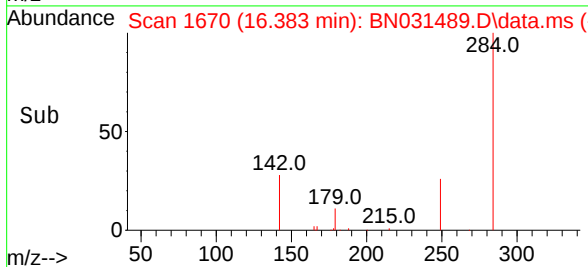
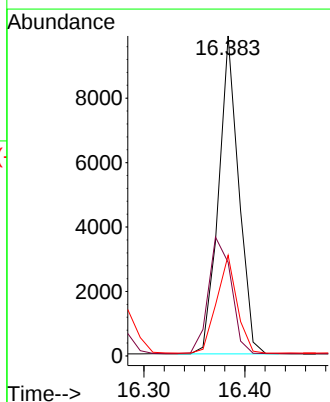
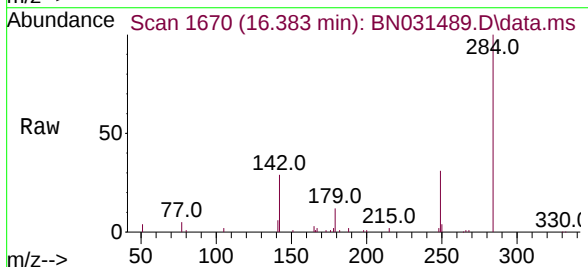
Manual Integrations  
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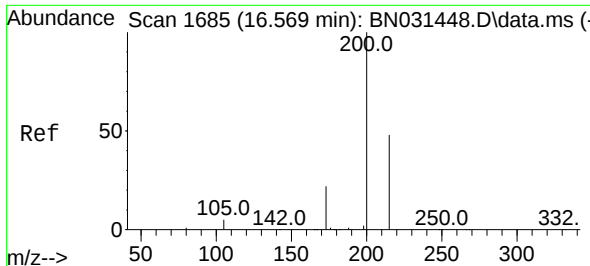
Reviewed By :Yogesh Patel 05/13/2024  
Supervised By :mohammad ahmed 05/13/2024



#22  
Hexachlorobenzene  
Concen: 0.401 ng  
RT: 16.383 min Scan# 1670  
Delta R.T. -0.012 min  
Lab File: BN031489.D  
Acq: 11 May 2024 08:48

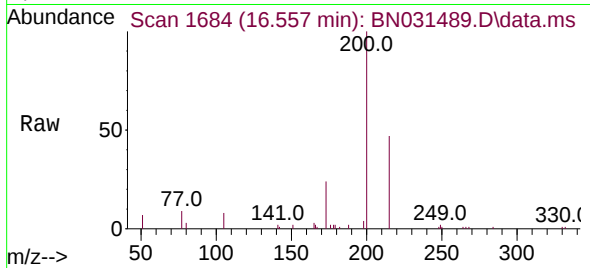
Tgt Ion:284 Resp: 13676  
Ion Ratio Lower Upper  
284 100  
142 41.5 31.0 46.6  
249 31.0 25.5 38.3





#23  
Atrazine  
Concen: 0.250 ng  
RT: 16.557 min Scan# 1684  
Delta R.T. -0.012 min  
Lab File: BN031489.D  
Acq: 11 May 2024 08:48

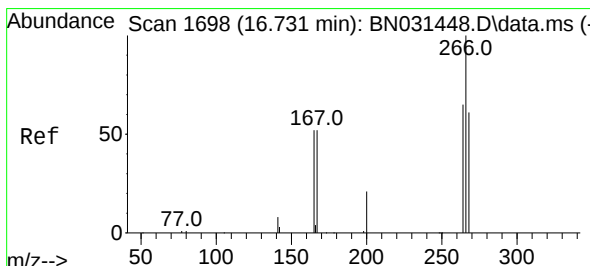
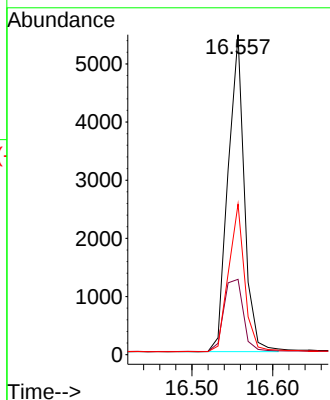
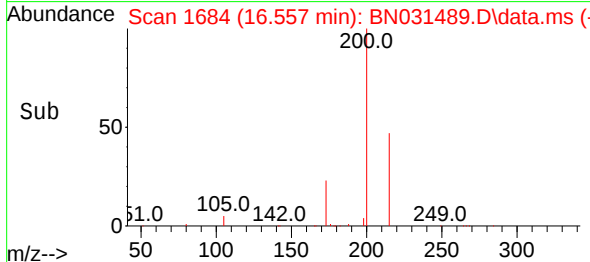
Instrument :  
BNA\_N  
ClientSampleId :  
PB160858BS



Tgt Ion:200 Resp: 766  
Ion Ratio Lower Upper  
200 100  
173 23.6 19.6 29.4  
215 47.0 39.8 59.8

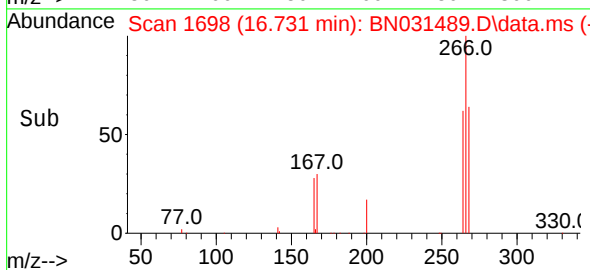
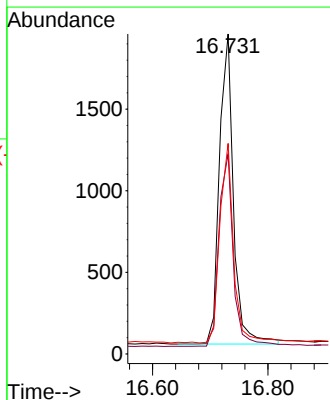
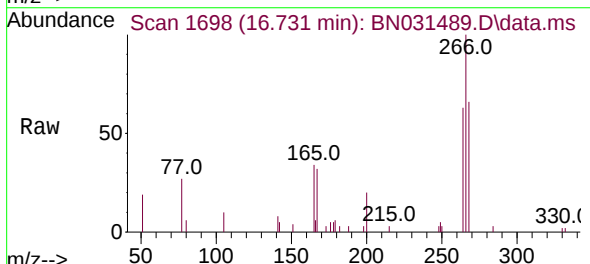
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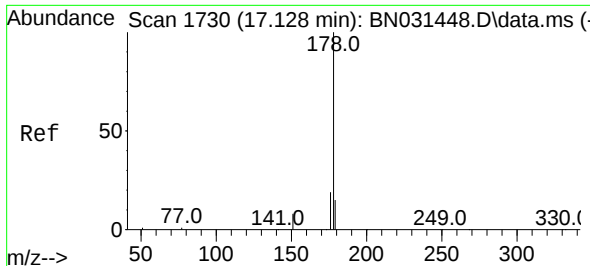
Reviewed By :Yogesh Patel 05/13/2024  
Supervised By :mohammad ahmed 05/13/2024



#24  
Pentachlorophenol  
Concen: 0.266 ng  
RT: 16.731 min Scan# 1698  
Delta R.T. -0.000 min  
Lab File: BN031489.D  
Acq: 11 May 2024 08:48

Tgt Ion:266 Resp: 3202  
Ion Ratio Lower Upper  
266 100  
264 63.3 50.6 75.8  
268 63.0 49.0 73.4





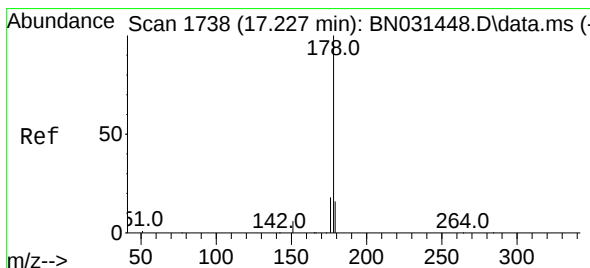
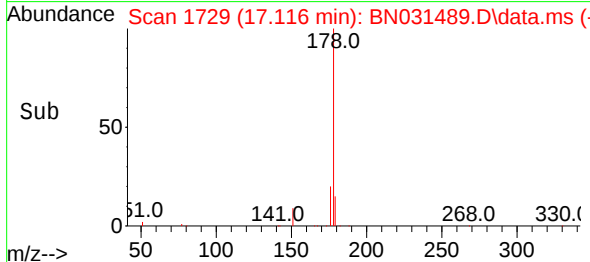
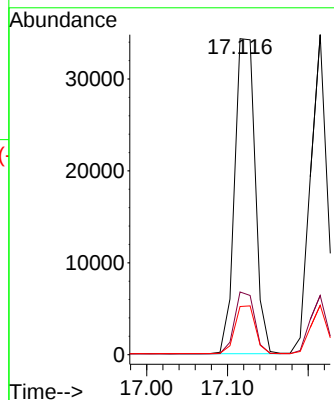
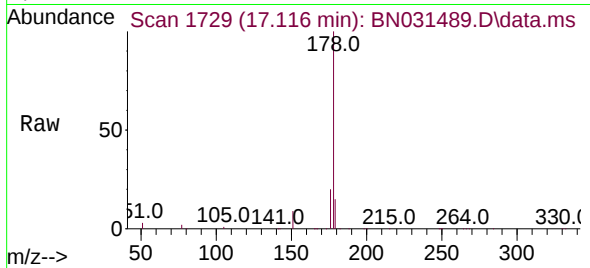
#25  
Phenanthrene  
Concen: 0.372 ng  
RT: 17.116 min Scan# 1730  
Delta R.T. -0.012 min  
Lab File: BN031489.D  
Acq: 11 May 2024 08:48

Instrument :  
BNA\_N  
ClientSampleId :  
PB160858BS

Tgt Ion:178 Resp: 60149  
Ion Ratio Lower Upper  
178 100  
176 19.2 15.3 22.9  
179 15.1 12.3 18.5

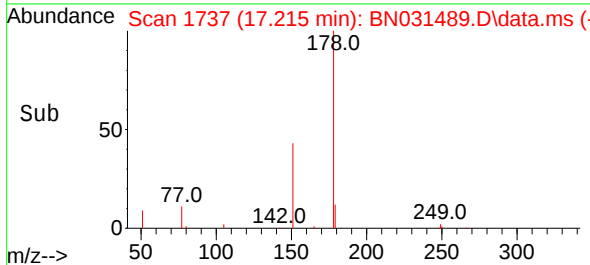
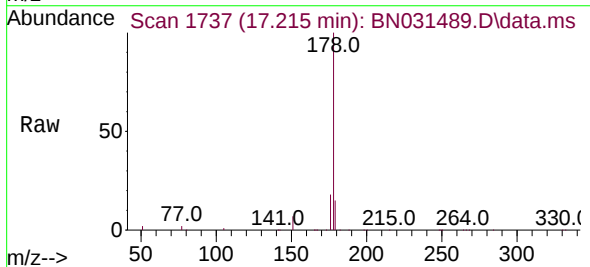
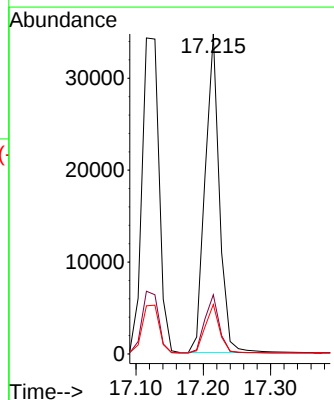
Manual Integrations  
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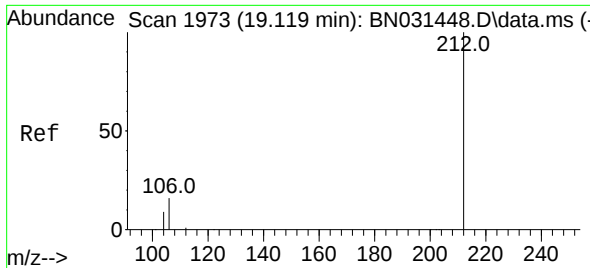
Reviewed By :Yogesh Patel 05/13/2024  
Supervised By :mohammad ahmed 05/13/2024



#26  
Anthracene  
Concen: 0.320 ng  
RT: 17.215 min Scan# 1737  
Delta R.T. -0.012 min  
Lab File: BN031489.D  
Acq: 11 May 2024 08:48

Tgt Ion:178 Resp: 51178  
Ion Ratio Lower Upper  
178 100  
176 18.5 14.9 22.3  
179 15.3 12.4 18.6





#27  
Fluoranthene-d10  
Concen: 0.319 ng  
RT: 19.114 min Scan# 1972  
Delta R.T. -0.005 min  
Lab File: BN031489.D  
Acq: 11 May 2024 08:48

Instrument :

BNA\_N

ClientSampleId :

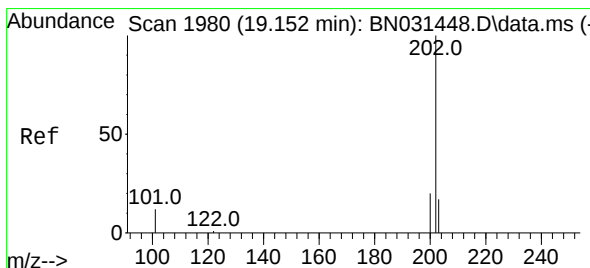
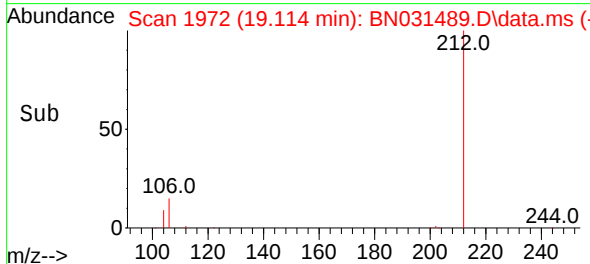
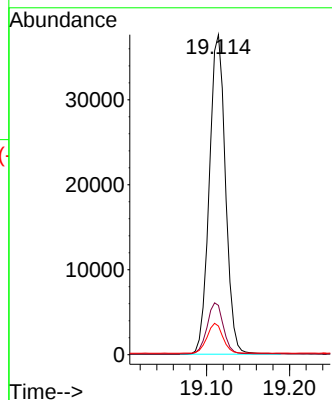
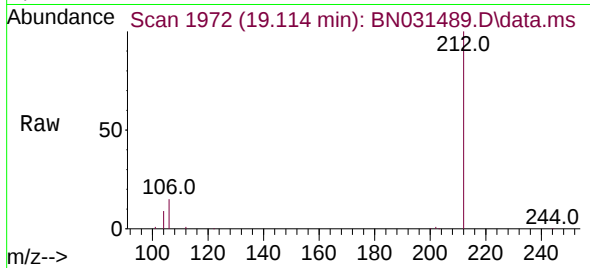
PB160858BS

Tgt Ion:212 Resp: 51028  
Ion Ratio Lower Upper  
212 100  
106 16.0 12.0 18.0  
104 9.1 6.9 10.3

Manual Integrations

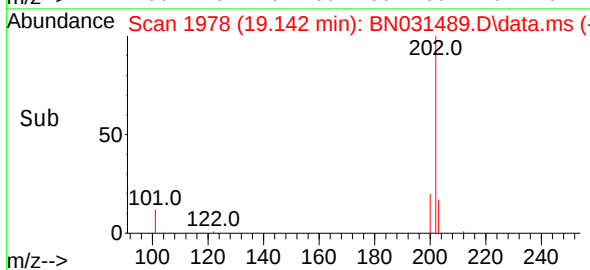
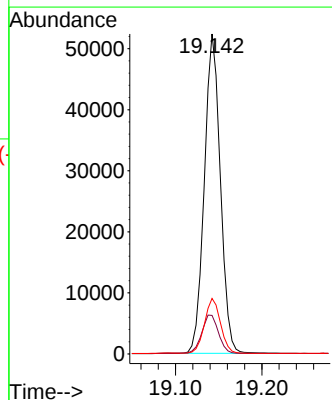
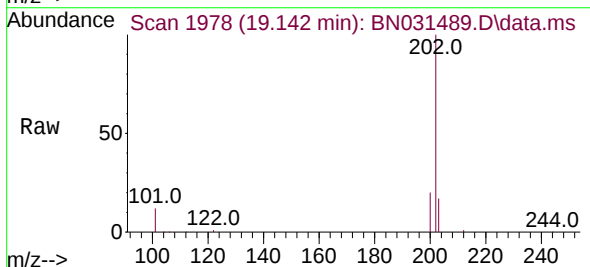
APPROVED

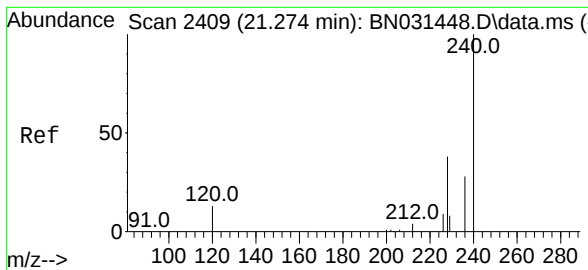
Reviewed By :Yogesh Patel 05/13/2024  
Supervised By :mohammad ahmed 05/13/2024



#28  
Fluoranthene  
Concen: 0.344 ng  
RT: 19.142 min Scan# 1978  
Delta R.T. -0.009 min  
Lab File: BN031489.D  
Acq: 11 May 2024 08:48

Tgt Ion:202 Resp: 67558  
Ion Ratio Lower Upper  
202 100  
101 12.7 9.8 14.6  
203 17.2 13.8 20.8





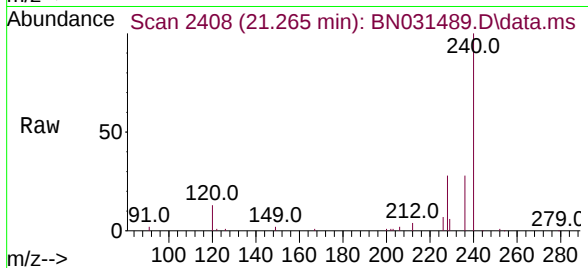
#29  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.265 min Scan# 2408  
Delta R.T. -0.009 min  
Lab File: BN031489.D  
Acq: 11 May 2024 08:48

Instrument :

BNA\_N

ClientSampleId :

PB160858BS

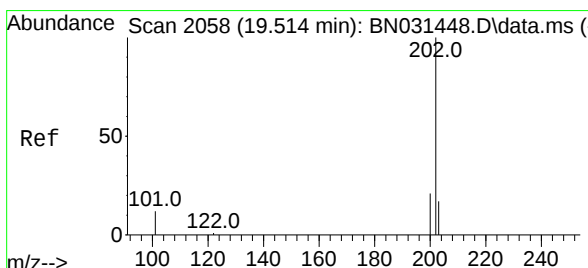
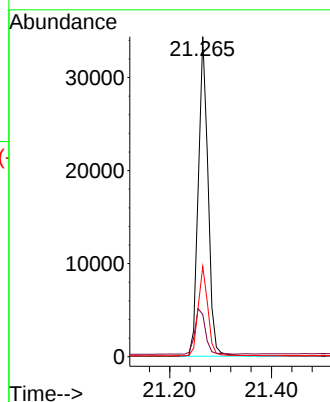
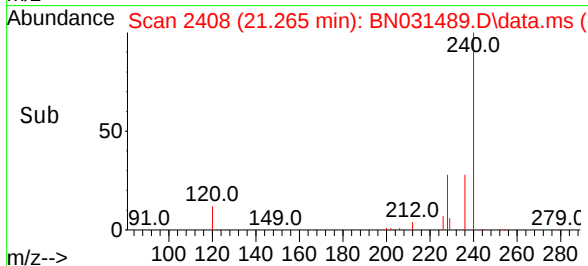


Tgt Ion:240 Resp: 45520  
Ion Ratio Lower Upper  
240 100  
120 13.2 11.4 17.2  
236 28.2 22.2 33.4

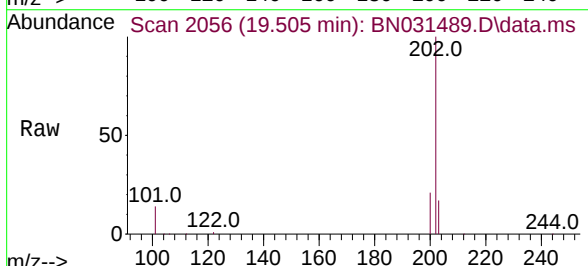
Manual Integrations

APPROVED

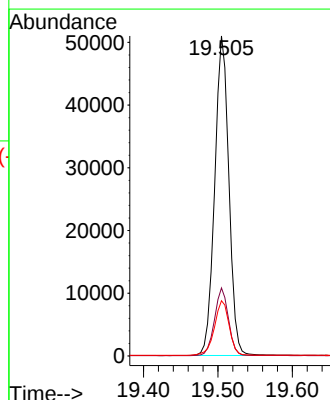
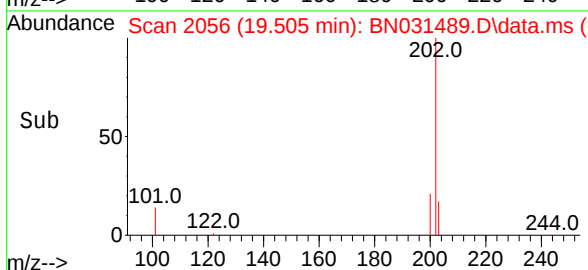
Reviewed By :Yogesh Patel 05/13/2024  
Supervised By :mohammad ahmed 05/13/2024

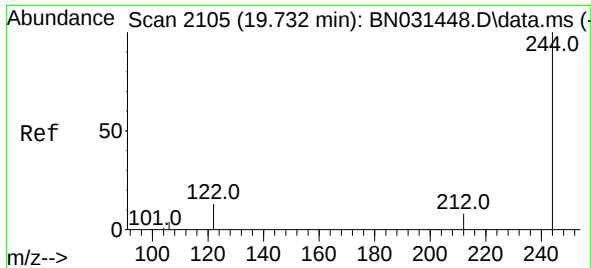


#30  
Pyrene  
Concen: 0.366 ng  
RT: 19.505 min Scan# 2056  
Delta R.T. -0.009 min  
Lab File: BN031489.D  
Acq: 11 May 2024 08:48



Tgt Ion:202 Resp: 67460  
Ion Ratio Lower Upper  
202 100  
200 20.8 16.6 25.0  
203 17.8 14.3 21.5





#31  
Terphenyl-d14  
Concen: 0.332 ng  
RT: 19.718 min Scan# 2105  
Delta R.T. -0.014 min  
Lab File: BN031489.D  
Acq: 11 May 2024 08:48

Instrument :

BNA\_N

ClientSampleId :

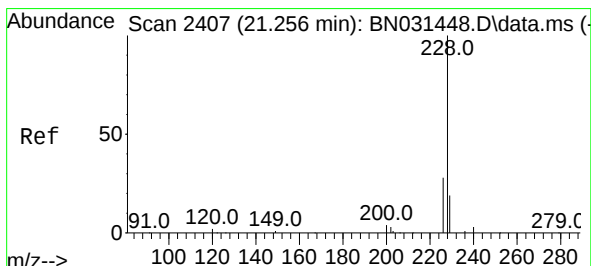
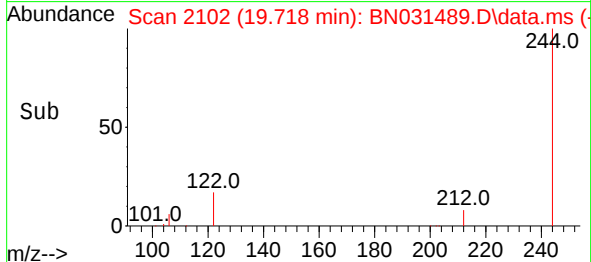
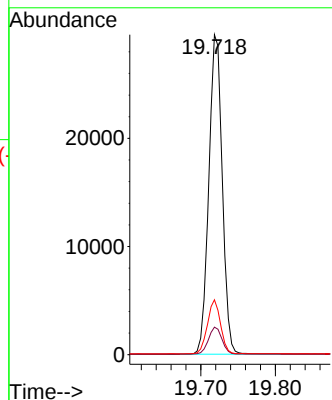
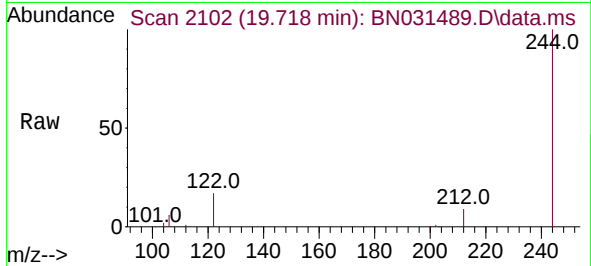
PB160858BS

Tgt Ion:244 Resp: 3697  
Ion Ratio Lower Upper  
244 100  
212 8.6 6.5 9.7  
122 17.2 11.4 17.2

Manual Integrations

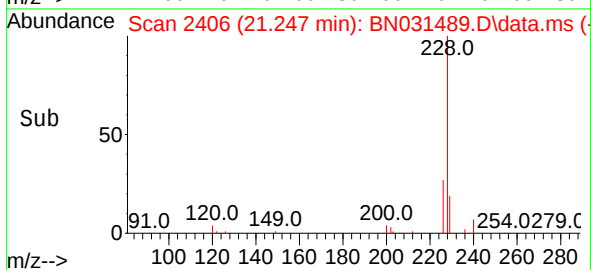
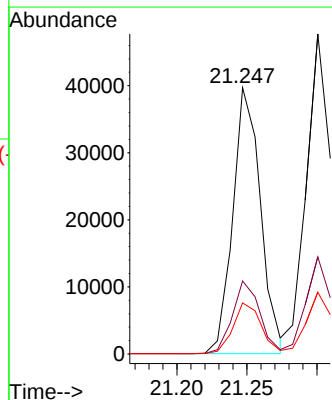
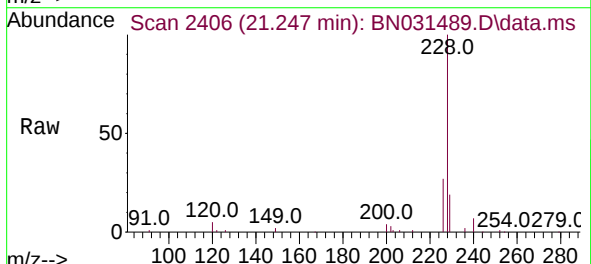
APPROVED

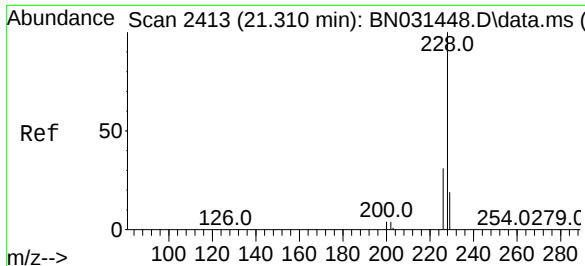
Reviewed By :Yogesh Patel 05/13/2024  
Supervised By :mohammad ahmed 05/13/2024



#32  
Benzo(a)anthracene  
Concen: 0.310 ng  
RT: 21.247 min Scan# 2406  
Delta R.T. -0.009 min  
Lab File: BN031489.D  
Acq: 11 May 2024 08:48

Tgt Ion:228 Resp: 54405  
Ion Ratio Lower Upper  
228 100  
226 27.4 22.4 33.6  
229 19.2 15.5 23.3





#33

Chrysene

Concen: 0.357 ng

RT: 21.301 min Scan# 2413

Delta R.T. -0.009 min

Lab File: BN031489.D

Acq: 11 May 2024 08:48

Instrument :

BNA\_N

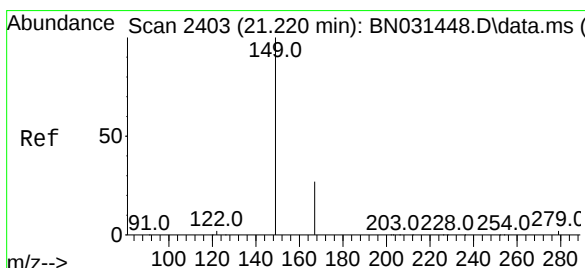
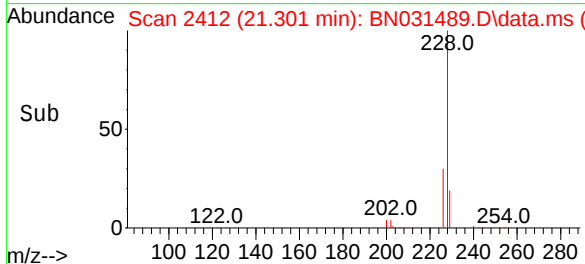
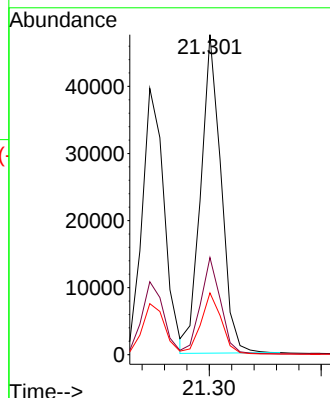
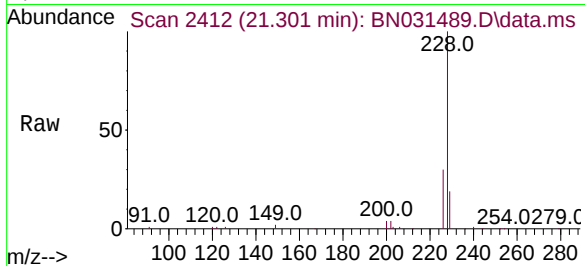
ClientSampleId :

PB160858BS

Tgt Ion:228 Resp: 5973  
 Ion Ratio Lower Upper  
 228 100  
 226 30.4 24.5 36.7  
 229 19.3 15.8 23.8

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 05/13/2024  
 Supervised By :mohammad ahmed 05/13/2024



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.203 ng

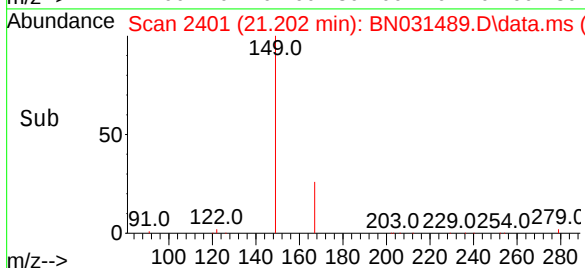
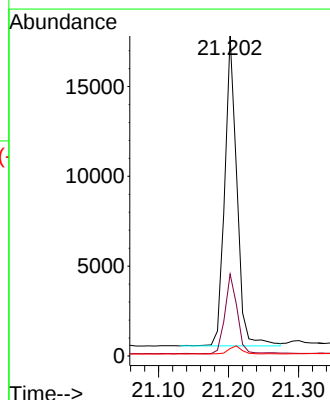
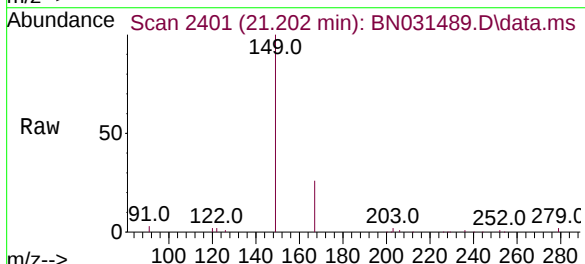
RT: 21.202 min Scan# 2401

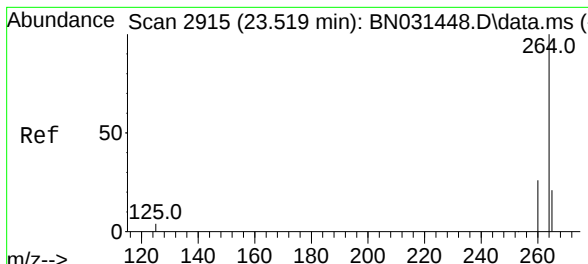
Delta R.T. -0.018 min

Lab File: BN031489.D

Acq: 11 May 2024 08:48

Tgt Ion:149 Resp: 20839  
 Ion Ratio Lower Upper  
 149 100  
 167 25.4 22.1 33.1  
 279 2.7 2.7 4.1#





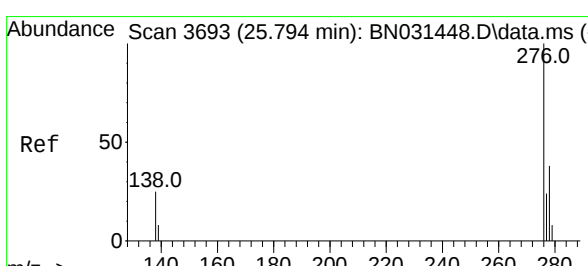
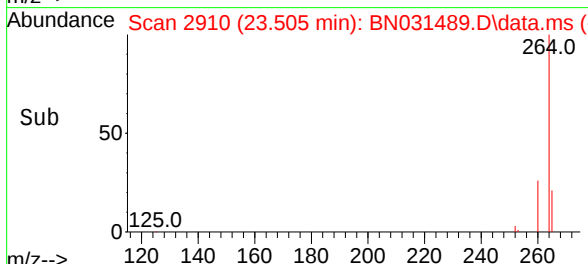
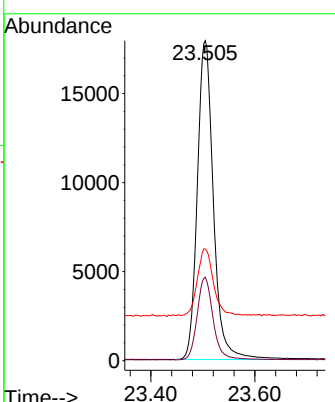
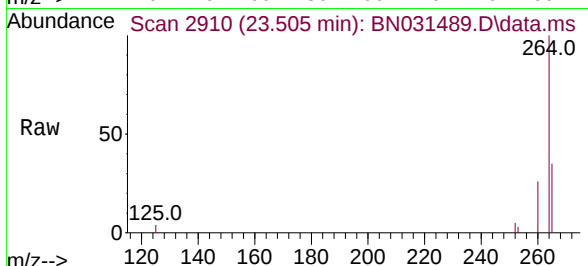
#35  
 Perylene-d12  
 Concen: 0.400 ng  
 RT: 23.505 min Scan# 2910  
 Delta R.T. -0.015 min  
 Lab File: BN031489.D  
 Acq: 11 May 2024 08:48

Instrument : BNA\_N  
 ClientSampleId : PB160858BS

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 264   | Resp: | 3841 |
| Ion Ratio | Lower | Upper |      |
| 264       | 100   |       |      |
| 260       | 26.1  | 20.6  | 31.0 |
| 265       | 34.9  | 24.0  | 36.0 |

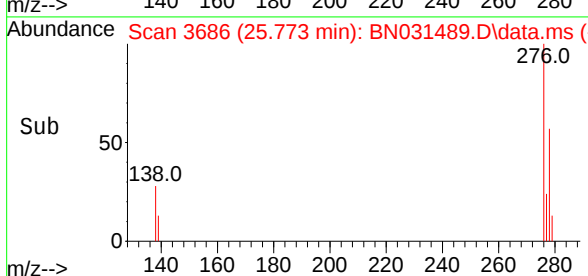
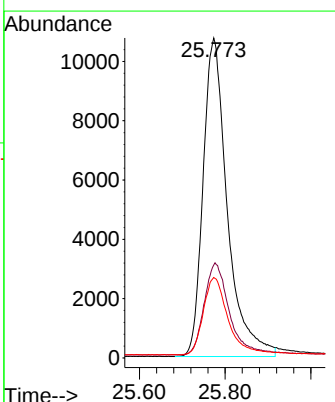
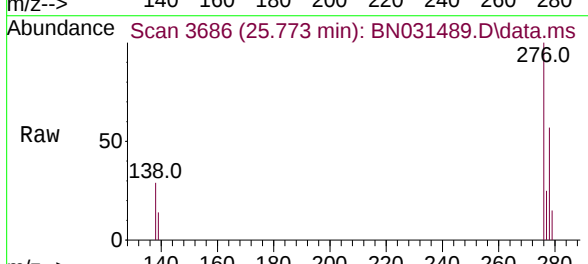
Manual Integrations  
 APPROVED

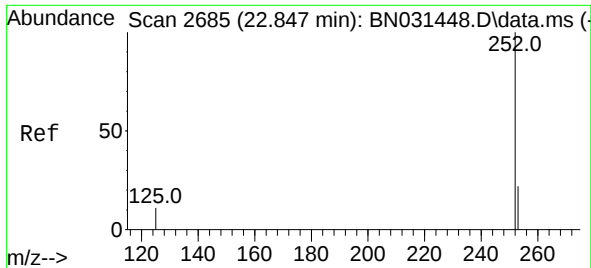
Reviewed By :Yogesh Patel 05/13/2024  
 Supervised By :mohammad ahmed 05/13/2024



#36  
 Indeno(1,2,3-cd)pyrene  
 Concen: 0.276 ng  
 RT: 25.773 min Scan# 3686  
 Delta R.T. -0.021 min  
 Lab File: BN031489.D  
 Acq: 11 May 2024 08:48

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 276   | Resp: | 42184 |
| Ion Ratio | Lower | Upper |       |
| 276       | 100   |       |       |
| 138       | 29.9  | 23.0  | 34.6  |
| 277       | 25.0  | 19.9  | 29.9  |





#37  
Benzo(b)fluoranthene  
Concen: 0.351 ng  
RT: 22.832 min Scan# 2680  
Delta R.T. -0.015 min  
Lab File: BN031489.D  
Acq: 11 May 2024 08:48

Instrument :

BNA\_N

ClientSampleId :

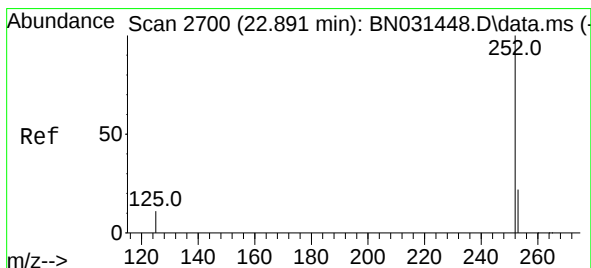
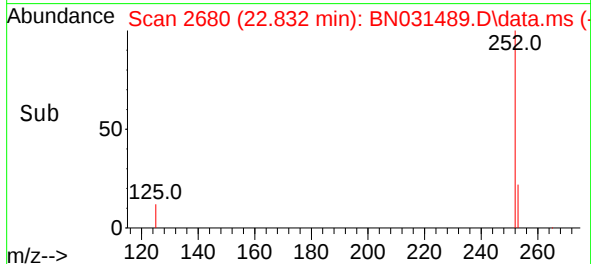
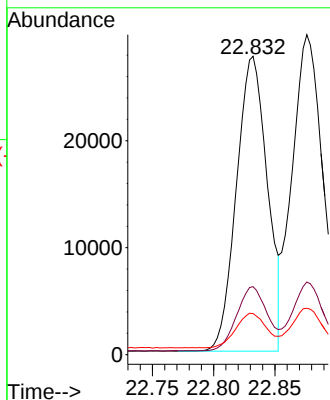
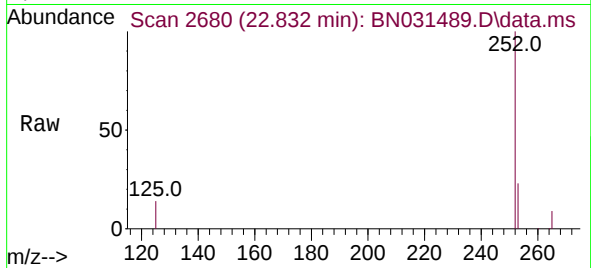
PB160858BS

Tgt Ion:252 Resp: 4833  
Ion Ratio Lower Upper  
252 100  
253 22.8 18.2 27.4  
125 13.8 10.5 15.7

Manual Integrations

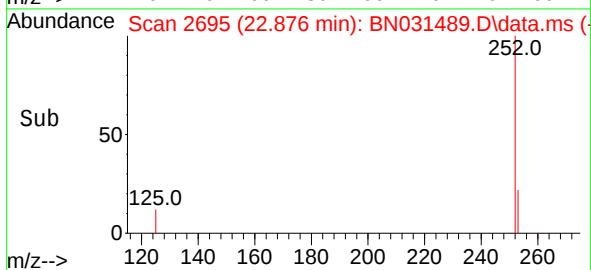
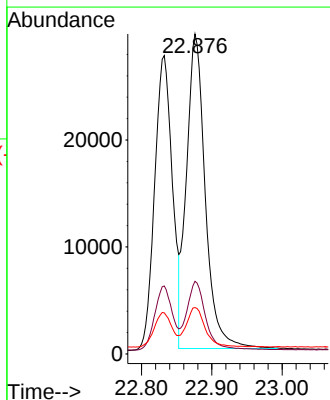
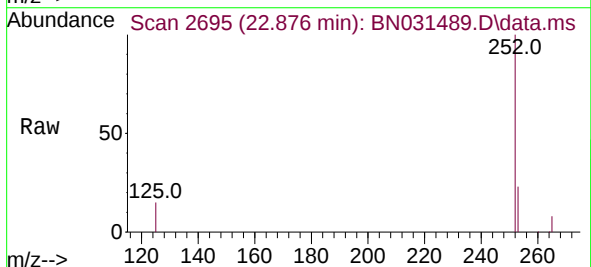
APPROVED

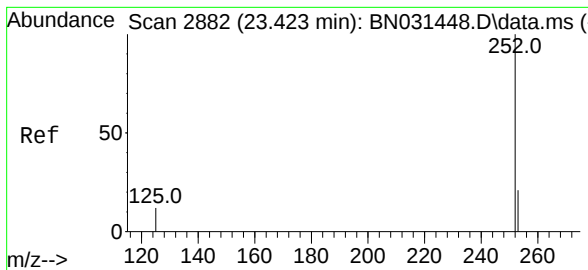
Reviewed By :Yogesh Patel 05/13/2024  
Supervised By :mohammad ahmed 05/13/2024



#38  
Benzo(k)fluoranthene  
Concen: 0.420 ng m  
RT: 22.876 min Scan# 2695  
Delta R.T. -0.015 min  
Lab File: BN031489.D  
Acq: 11 May 2024 08:48

Tgt Ion:252 Resp: 54762  
Ion Ratio Lower Upper  
252 100  
253 22.7 18.2 27.2  
125 14.5 11.0 16.6





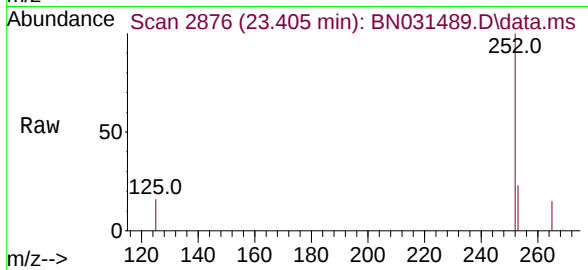
#39  
Benzo(a)pyrene  
Concen: 0.315 ng  
RT: 23.405 min Scan# 21  
Delta R.T. -0.018 min  
Lab File: BN031489.D  
Acq: 11 May 2024 08:48

Instrument :

BNA\_N

ClientSampleId :

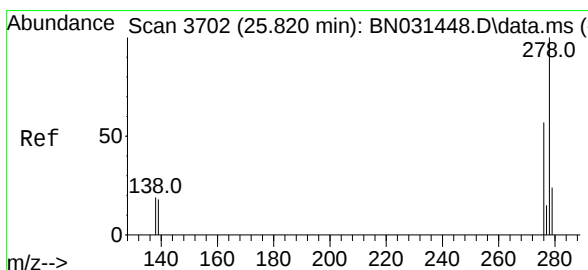
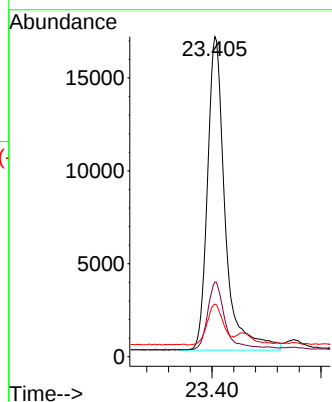
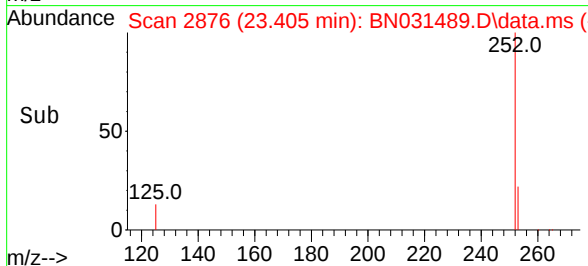
PB160858BS



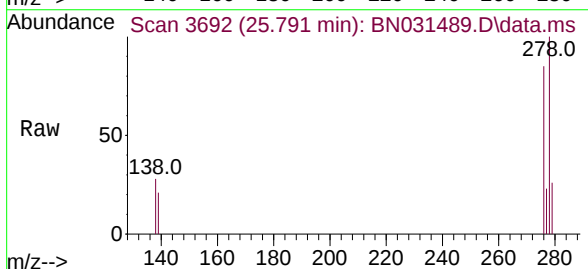
Tgt Ion:252 Resp: 3779  
Ion Ratio Lower Upper  
252 100  
253 23.3 18.2 27.2  
125 16.4 11.9 17.9

Manual Integrations  
APPROVED

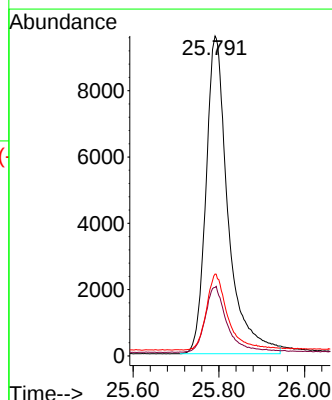
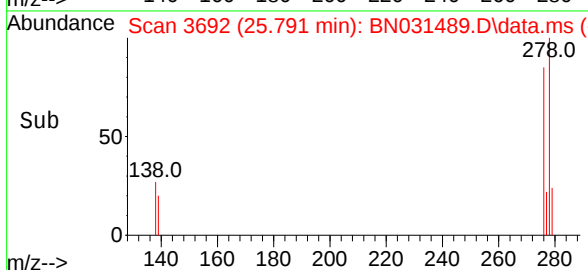
Reviewed By :Yogesh Patel 05/13/2024  
Supervised By :mohammad ahmed 05/13/2024

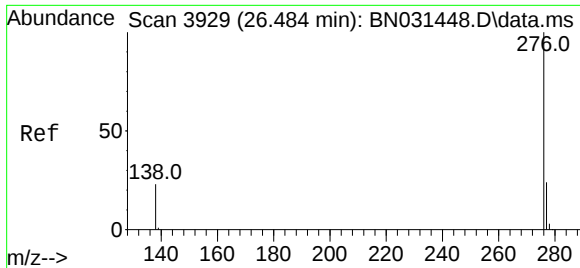


#40  
Dibenzo(a,h)anthracene  
Concen: 0.282 ng  
RT: 25.791 min Scan# 3692  
Delta R.T. -0.029 min  
Lab File: BN031489.D  
Acq: 11 May 2024 08:48



Tgt Ion:278 Resp: 34251  
Ion Ratio Lower Upper  
278 100  
139 21.4 15.9 23.9  
279 25.6 19.8 29.8





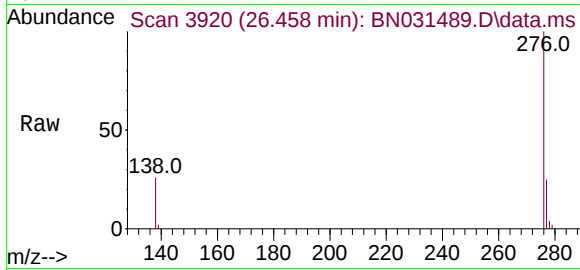
#41  
Benzo(g,h,i)perylene  
Concen: 0.275 ng  
RT: 26.458 min Scan# 3920  
Delta R.T. -0.026 min  
Lab File: BN031489.D  
Acq: 11 May 2024 08:48

Instrument :

BNA\_N

ClientSampleId :

PB160858BS



Tgt Ion:276 Resp: 3591  
Ion Ratio Lower Upper  
276 100  
277 24.6 19.4 29.0  
138 26.0 20.4 30.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 05/13/2024

Supervised By :mohammad ahmed 05/13/2024

