

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN031323\  
 Data File : BN024270.D  
 Acq On : 14 Mar 2023 08:13  
 Operator : CG/JU  
 Sample : 01849-10  
 Misc :  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 CB-10-44.5-030823

Manual Integrations  
 APPROVED

Reviewed By : Christian Giraldo 03/14/2023  
 Supervised By : Jagrut Upadhyay 03/14/2023

Quant Time: Mar 14 08:42:53 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN031323.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Mar 14 03:11:52 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.047  | 152  | 8070     | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.866 | 136  | 23728    | 0.400 | ng    | 0.00     |
| 13) Acenaphthene-d10          | 14.675 | 164  | 12228    | 0.400 | ng    | 0.00     |
| 19) Phenanthrene-d10          | 17.425 | 188  | 25530    | 0.400 | ng    | 0.00     |
| 29) Chrysene-d12              | 21.619 | 240  | 21699    | 0.400 | ng    | 0.00     |
| 35) Perylene-d12              | 24.129 | 264  | 19535    | 0.400 | ng    | 0.01     |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.584  | 112  | 4769     | 0.267 | ng    | 0.00     |
| 5) Phenol-d6                  | 7.195  | 99   | 6132     | 0.267 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 9.211  | 82   | 3325m    | 0.210 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10   | 12.444 | 152  | 6671     | 0.229 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 16.159 | 330  | 1134     | 0.181 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl          | 13.307 | 172  | 9847     | 0.213 | ng    | 0.00     |
| 27) Fluoranthene-d10          | 19.450 | 212  | 12628    | 0.233 | ng    | 0.00     |
| 31) Terphenyl-d14             | 20.042 | 244  | 7446     | 0.204 | ng    | 0.00     |
| Target Compounds              |        |      |          |       |       |          |
| 2) 1,4-Dioxane                | 3.432  | 88   | 691      | 0.079 | ng    | # 77     |
| 34) Bis(2-ethylhexyl)phtha... | 21.511 | 149  | 4276     | 0.125 | ng    | # 96     |
| -----                         |        |      |          |       |       |          |

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

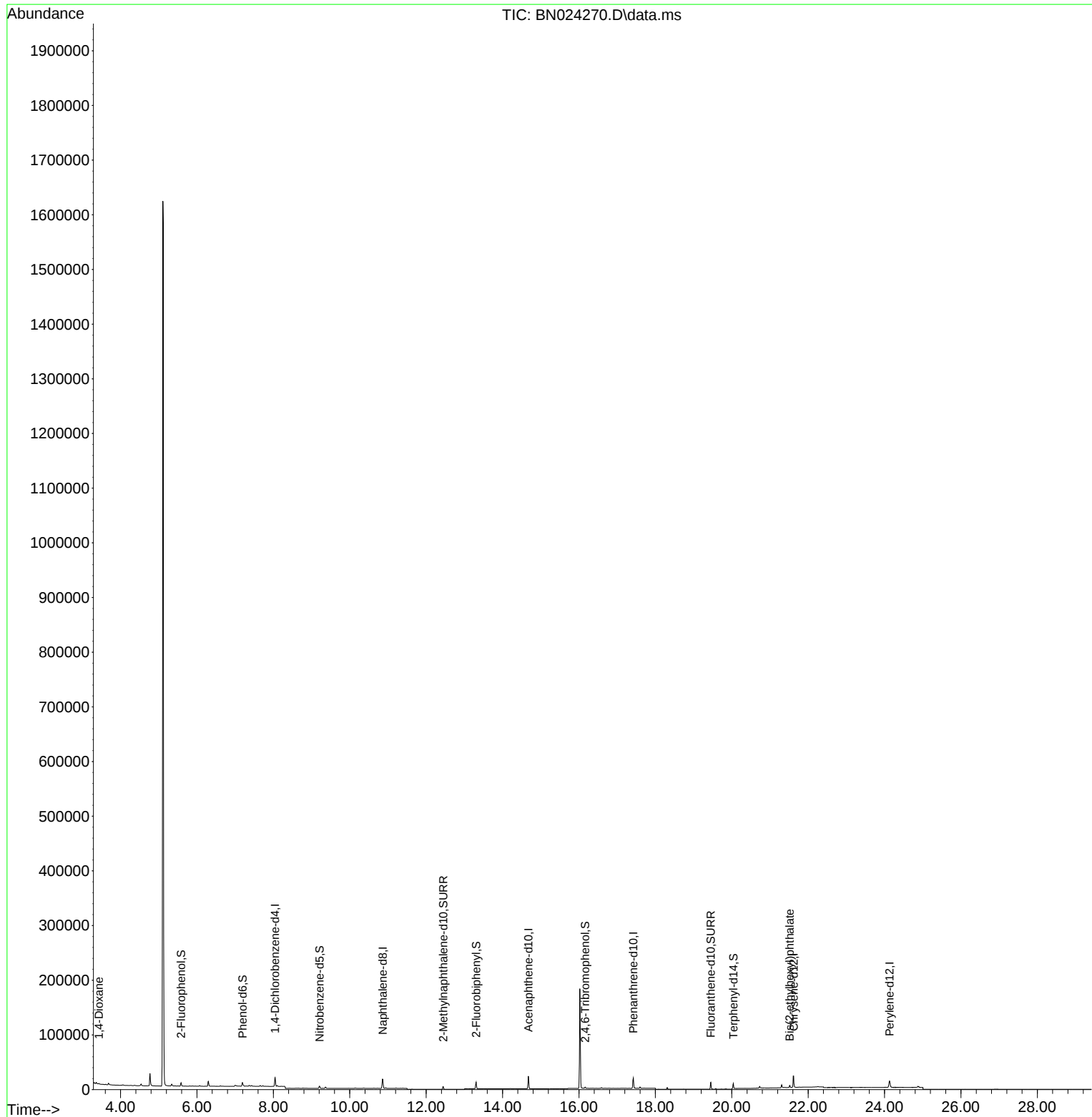
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN031323\  
Data File : BN024270.D  
Acq On : 14 Mar 2023 08:13  
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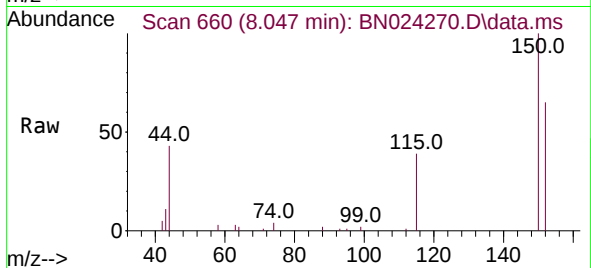
Reviewed By :Christian Giraldo 03/14/2023  
Supervised By :Jagrut Upadhyay 03/14/2023





#1  
 1,4-Dichlorobenzene-d4  
 Concen: 0.400 ng  
 RT: 8.047 min Scan# 660  
 Delta R.T. 0.000 min  
 Lab File: BN024270.D  
 Acq: 14 Mar 2023 08:13

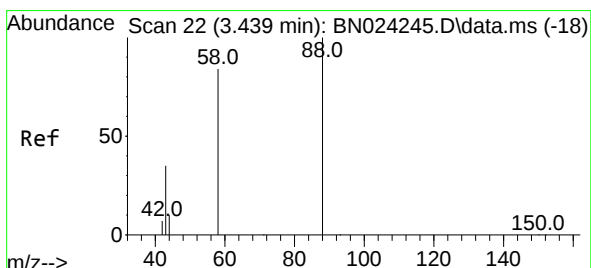
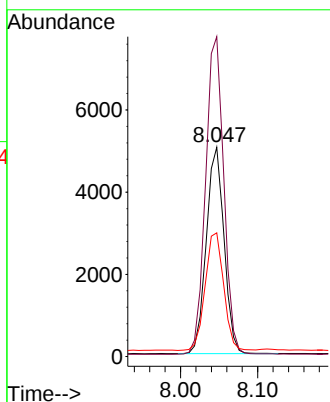
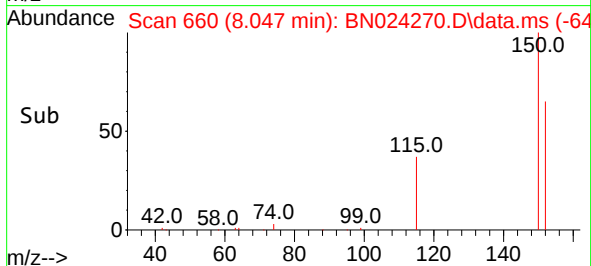
Instrument :  
 BNA\_N  
 ClientSampleId :  
 CB-10-44.5-030823



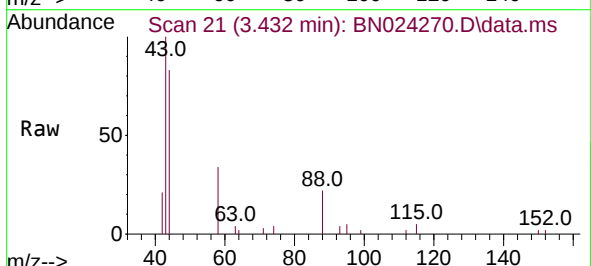
Tgt Ion: 152 Resp: 8070  
 Ion Ratio Lower Upper  
 152 100  
 150 152.9 124.7 187.1  
 115 59.1 49.1 73.7

Manual Integrations  
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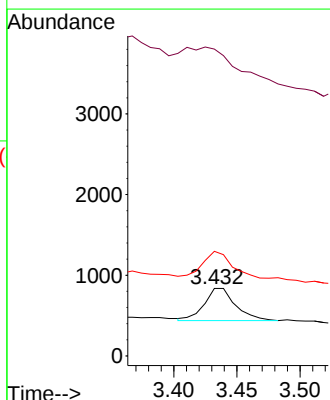
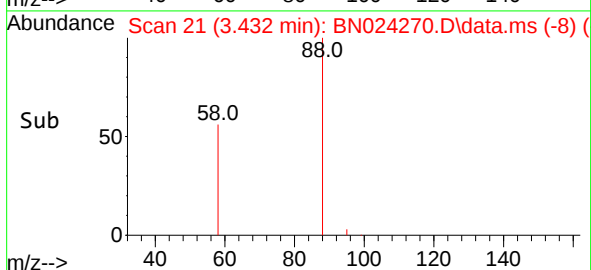
Reviewed By :Christian Giraldo 03/14/2023  
 Supervised By :Jagrut Upadhyay 03/14/2023



#2  
 1,4-Dioxane  
 Concen: 0.079 ng  
 RT: 3.432 min Scan# 21  
 Delta R.T. -0.007 min  
 Lab File: BN024270.D  
 Acq: 14 Mar 2023 08:13



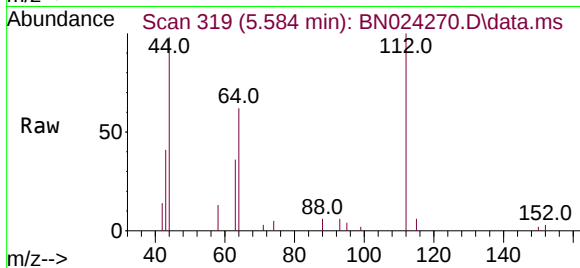
Tgt Ion: 88 Resp: 691  
 Ion Ratio Lower Upper  
 88 100  
 43 0.0 29.0 43.4#  
 58 89.4 67.3 100.9





#4  
2-Fluorophenol  
Concen: 0.267 ng  
RT: 5.584 min Scan# 319  
Delta R.T. 0.000 min  
Lab File: BN024270.D  
Acq: 14 Mar 2023 08:13

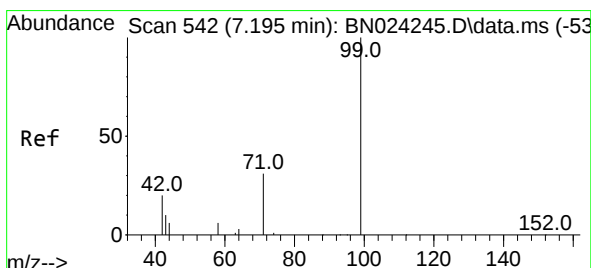
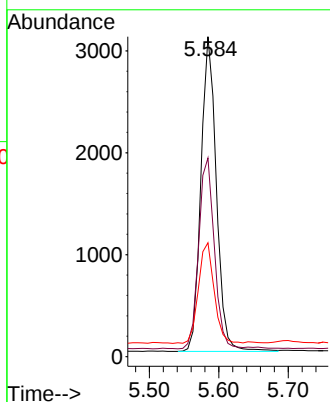
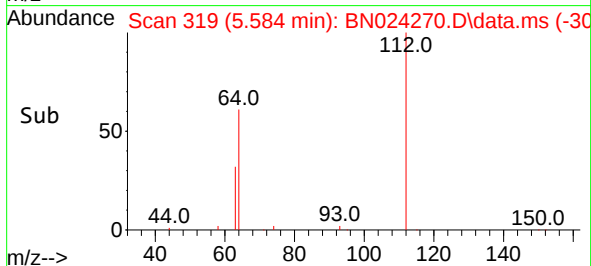
Instrument :  
BNA\_N  
ClientSampleId :  
CB-10-44.5-030823



Tgt Ion: 112 Resp: 4769  
Ion Ratio Lower Upper  
112 100  
64 61.5 49.0 73.6  
63 32.5 25.7 38.5

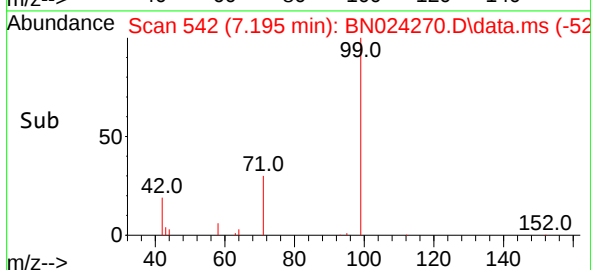
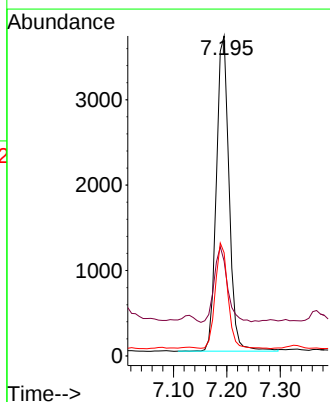
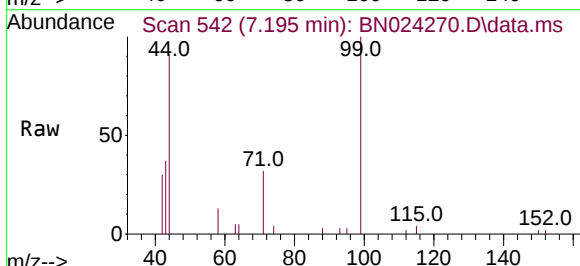
Manual Integrations  
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Reviewed By : Christian Giraldo 03/14/2023  
Supervised By : Jagrut Upadhyay 03/14/2023



#5  
Phenol-d6  
Concen: 0.267 ng  
RT: 7.195 min Scan# 542  
Delta R.T. 0.000 min  
Lab File: BN024270.D  
Acq: 14 Mar 2023 08:13

Tgt Ion: 99 Resp: 6132  
Ion Ratio Lower Upper  
99 100  
42 24.9 20.1 30.1  
71 33.4 25.8 38.8





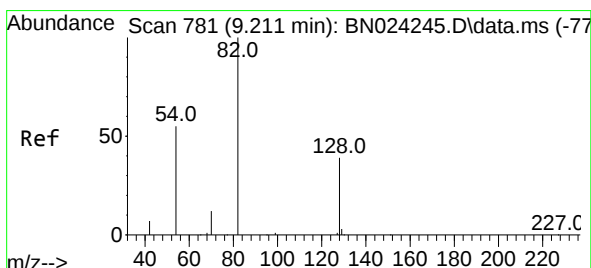
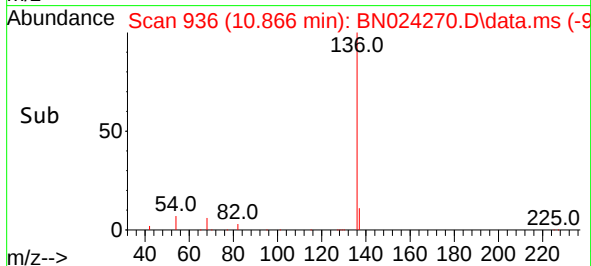
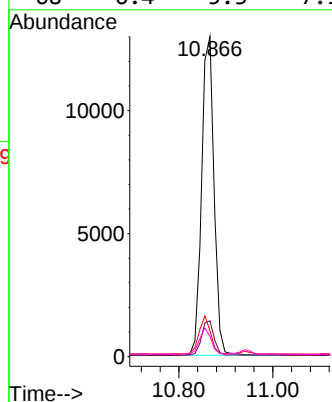
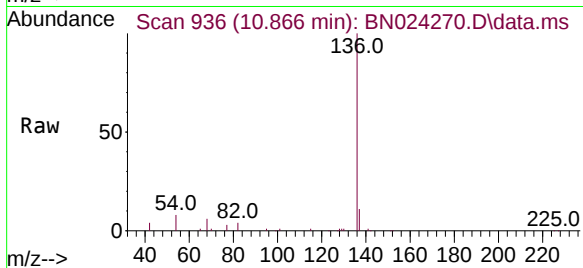
#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.866 min Scan# 936  
Delta R.T. 0.000 min  
Lab File: BN024270.D  
Acq: 14 Mar 2023 08:13

Instrument :  
BNA\_N  
ClientSampleId :  
CB-10-44.5-030823

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 136   | Resp: | 23728 |
| Ion Ratio | Lower | Upper |       |
| 136       | 100   |       |       |
| 137       | 11.2  | 8.9   | 13.3  |
| 54        | 8.1   | 7.1   | 10.7  |
| 68        | 6.4   | 5.3   | 7.9   |

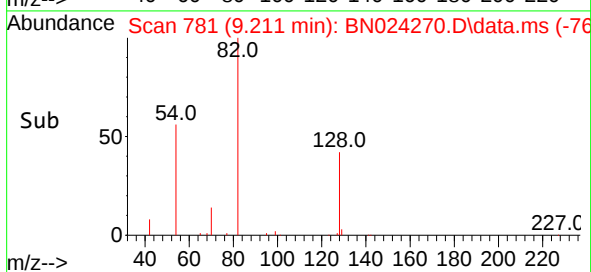
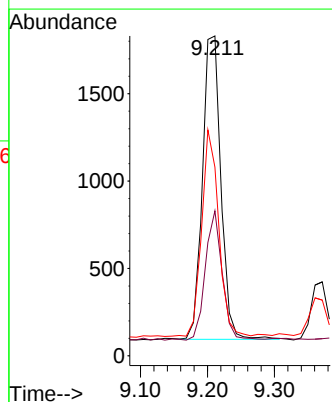
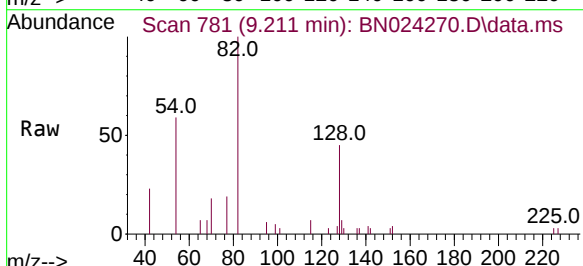
Manual Integrations  
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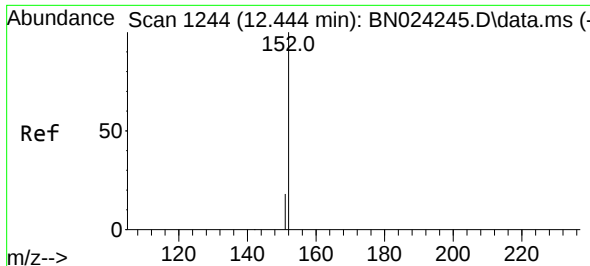
Reviewed By :Christian Giraldo 03/14/2023  
Supervised By :Jagrut Upadhyay 03/14/2023



#8  
Nitrobenzene-d5  
Concen: 0.210 ng m  
RT: 9.211 min Scan# 781  
Delta R.T. 0.000 min  
Lab File: BN024270.D  
Acq: 14 Mar 2023 08:13

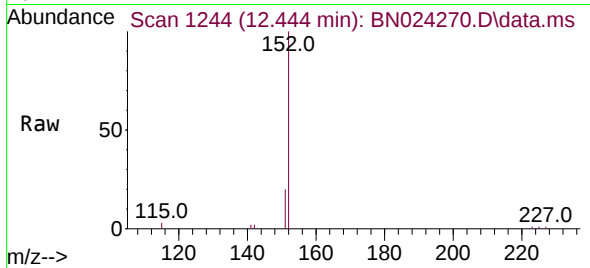
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 82    | Resp: | 3325 |
| Ion Ratio | Lower | Upper |      |
| 82        | 100   |       |      |
| 128       | 45.3  | 32.4  | 48.6 |
| 54        | 59.0  | 45.2  | 67.8 |





#11  
2-Methylnaphthalene-d10  
Concen: 0.229 ng  
RT: 12.444 min Scan# 1244  
Delta R.T. 0.000 min  
Lab File: BN024270.D  
Acq: 14 Mar 2023 08:13

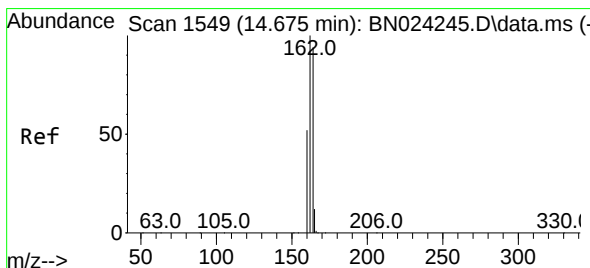
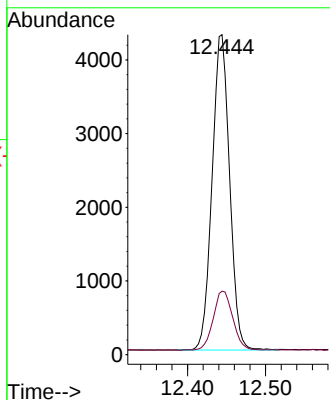
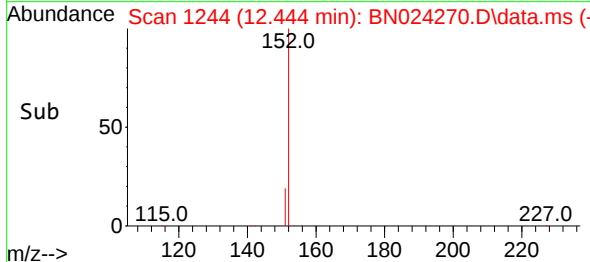
Instrument :  
BNA\_N  
ClientSampleId :  
CB-10-44.5-030823



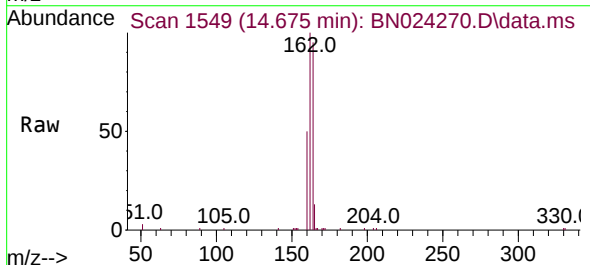
Tgt Ion:152 Resp: 667  
Ion Ratio Lower Upper  
152 100  
151 21.1 16.8 25.2

Manual Integrations  
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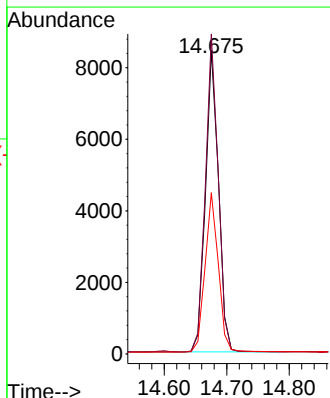
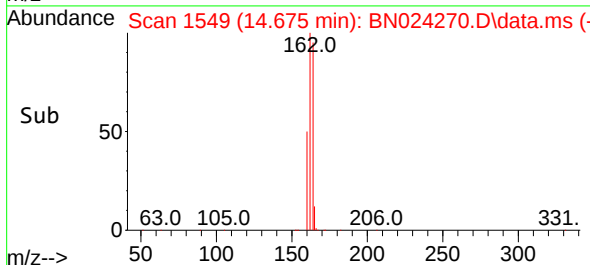
Reviewed By :Christian Giraldo 03/14/2023  
Supervised By :Jagrut Upadhyay 03/14/2023



#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.675 min Scan# 1549  
Delta R.T. 0.000 min  
Lab File: BN024270.D  
Acq: 14 Mar 2023 08:13



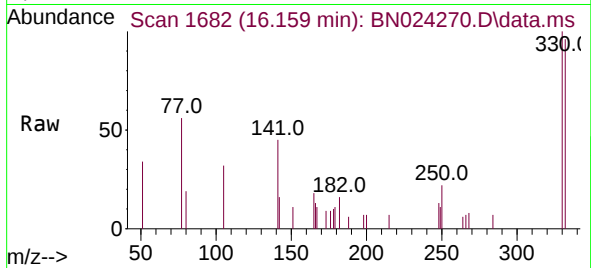
Tgt Ion:164 Resp: 12228  
Ion Ratio Lower Upper  
164 100  
162 105.6 84.7 127.1  
160 53.2 44.6 66.8





#14  
2,4,6-Tribromophenol  
Concen: 0.181 ng  
RT: 16.159 min Scan# 1682  
Delta R.T. 0.000 min  
Lab File: BN024270.D  
Acq: 14 Mar 2023 08:13

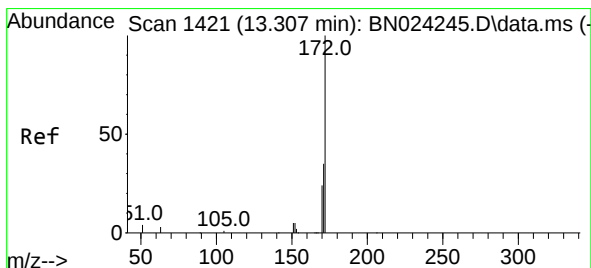
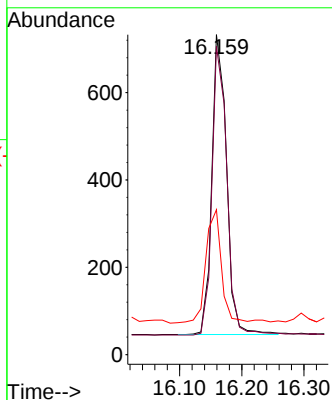
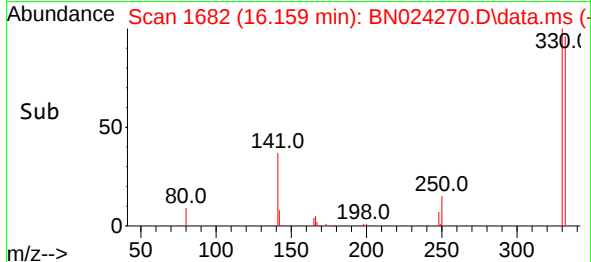
Instrument :  
BNA\_N  
ClientSampleId :  
CB-10-44.5-030823



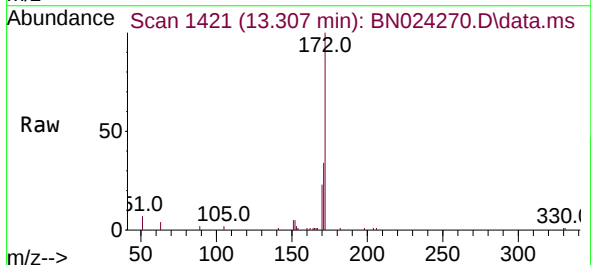
Tgt Ion: 330 Resp: 1134  
Ion Ratio Lower Upper  
330 100  
332 96.7 78.0 117.0  
141 39.8 30.8 46.2

Manual Integrations  
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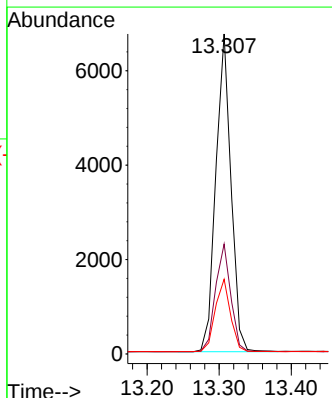
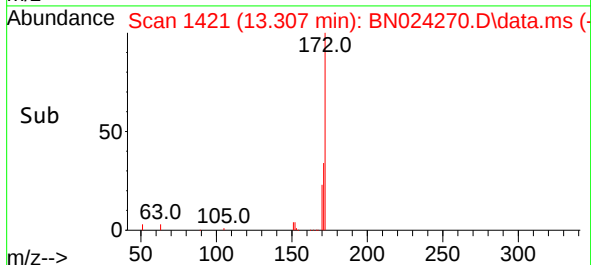
Reviewed By : Christian Giraldo 03/14/2023  
Supervised By : Jagrut Upadhyay 03/14/2023



#15  
2-Fluorobiphenyl  
Concen: 0.213 ng  
RT: 13.307 min Scan# 1421  
Delta R.T. 0.000 min  
Lab File: BN024270.D  
Acq: 14 Mar 2023 08:13



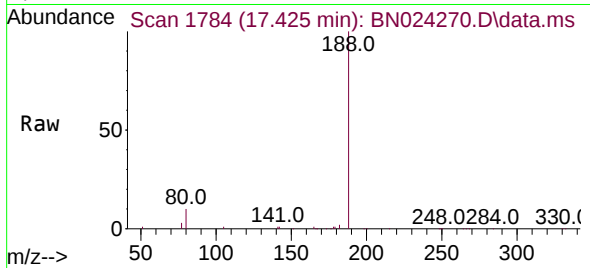
Tgt Ion: 172 Resp: 9847  
Ion Ratio Lower Upper  
172 100  
171 34.4 27.8 41.8  
170 23.3 19.0 28.6





#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.425 min Scan# 1784  
Delta R.T. 0.000 min  
Lab File: BN024270.D  
Acq: 14 Mar 2023 08:13

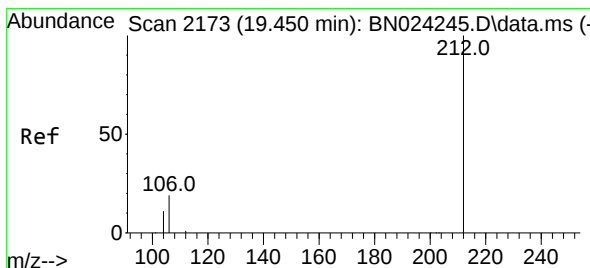
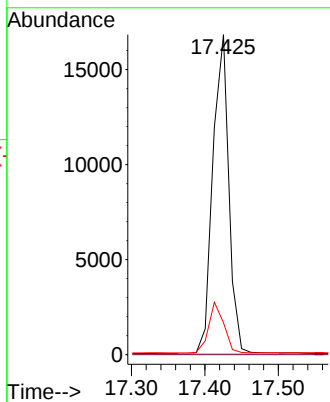
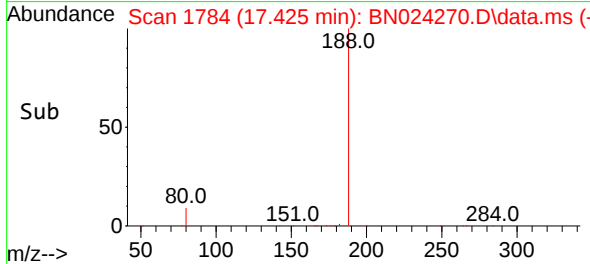
Instrument :  
BNA\_N  
ClientSampleId :  
CB-10-44.5-030823



Tgt Ion:188 Resp: 25530  
Ion Ratio Lower Upper  
188 100  
94 0.0 0.0 0.0  
80 10.0 8.9 13.3

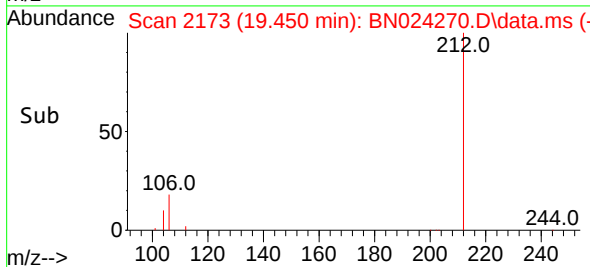
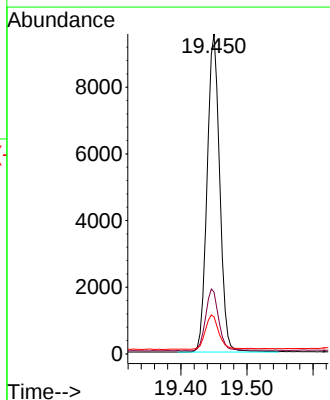
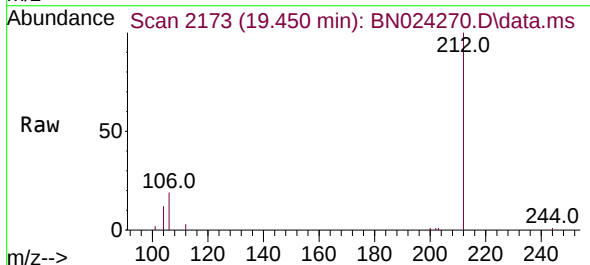
Manual Integrations  
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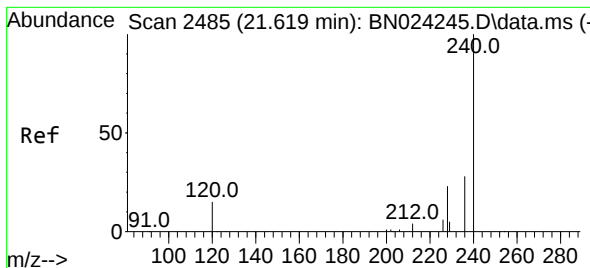
Reviewed By :Christian Giraldo 03/14/2023  
Supervised By :Jagrut Upadhyay 03/14/2023



#27  
Fluoranthene-d10  
Concen: 0.233 ng  
RT: 19.450 min Scan# 2173  
Delta R.T. 0.000 min  
Lab File: BN024270.D  
Acq: 14 Mar 2023 08:13

Tgt Ion:212 Resp: 12628  
Ion Ratio Lower Upper  
212 100  
106 20.2 15.4 23.2  
104 11.4 8.6 13.0





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.619 min Scan# 2485

Delta R.T. 0.000 min

Lab File: BN024270.D

Acq: 14 Mar 2023 08:13

Instrument :

BNA\_N

ClientSampleId :

CB-10-44.5-030823

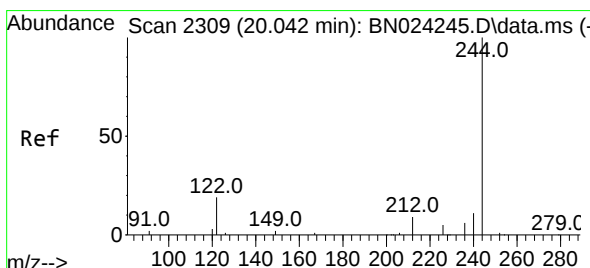
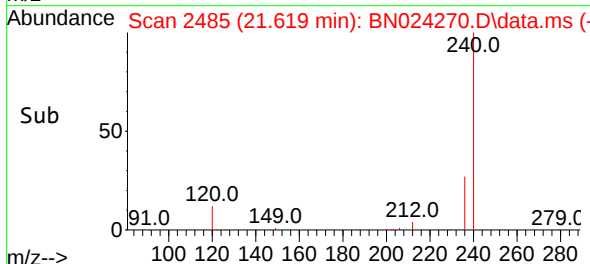
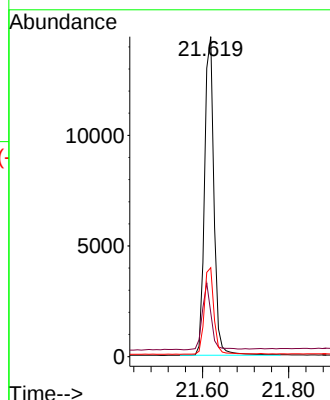
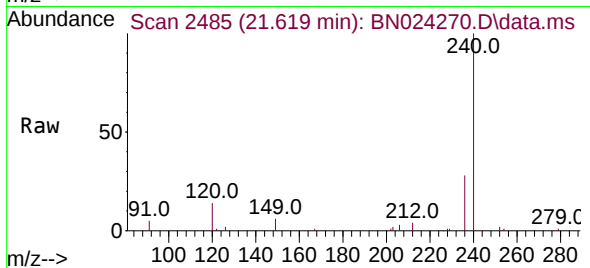
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 240   | Resp: | 2169 |
| Ion Ratio | Lower | Upper |      |
| 240       | 100   |       |      |
| 120       | 13.7  | 12.8  | 19.2 |
| 236       | 27.8  | 22.5  | 33.7 |

Manual Integrations

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Reviewed By :Christian Giraldo 03/14/2023

Supervised By :Jagrut Upadhyay 03/14/2023



#31

Terphenyl-d14

Concen: 0.204 ng

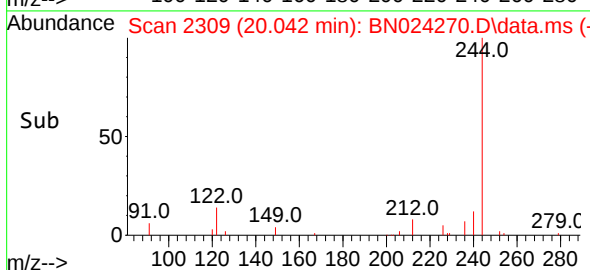
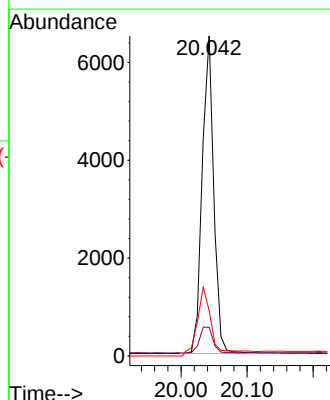
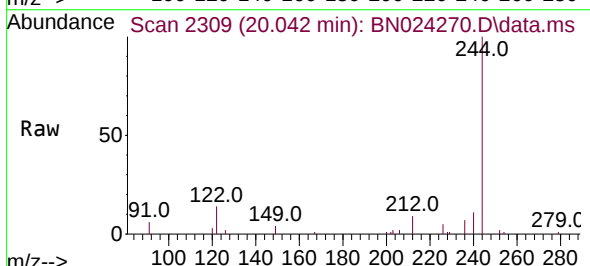
RT: 20.042 min Scan# 2309

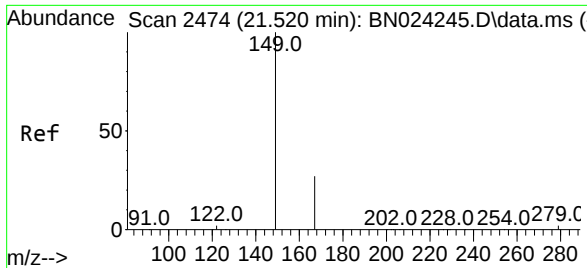
Delta R.T. 0.000 min

Lab File: BN024270.D

Acq: 14 Mar 2023 08:13

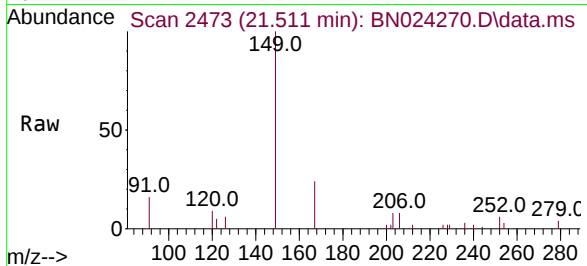
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 244   | Resp: | 7446 |
| Ion Ratio | Lower | Upper |      |
| 244       | 100   |       |      |
| 212       | 8.9   | 7.6   | 11.4 |
| 122       | 14.1  | 15.1  | 22.7 |





#34  
Bis(2-ethylhexyl)phthalate  
Concen: 0.125 ng  
RT: 21.511 min Scan# 2473  
Delta R.T. -0.009 min  
Lab File: BN024270.D  
Acq: 14 Mar 2023 08:13

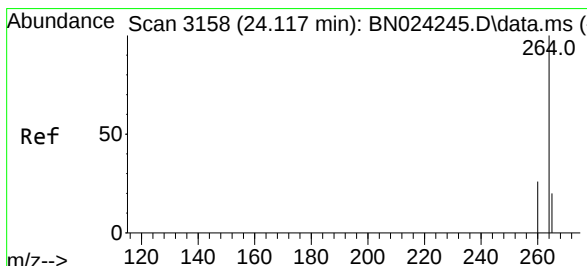
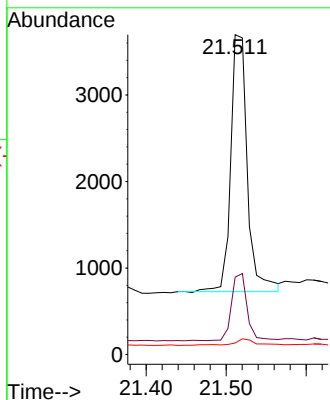
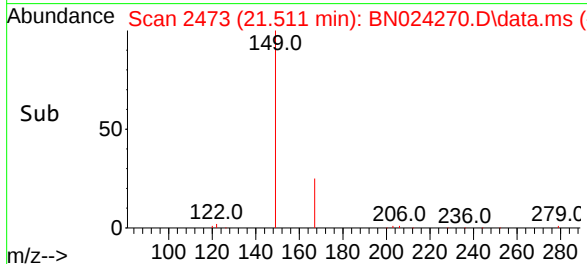
Instrument :  
BNA\_N  
ClientSampleId :  
CB-10-44.5-030823



Tgt Ion:149 Resp: 4276  
Ion Ratio Lower Upper  
149 100  
167 24.5 21.2 31.8  
279 3.4 1.8 2.8

Manual Integrations  
APPROVED

Reviewed By :Christian Giraldo 03/14/2023  
Supervised By :Jagrut Upadhyay 03/14/2023



#35  
Perylene-d12  
Concen: 0.400 ng  
RT: 24.129 min Scan# 3162  
Delta R.T. 0.012 min  
Lab File: BN024270.D  
Acq: 14 Mar 2023 08:13

Tgt Ion:264 Resp: 19535  
Ion Ratio Lower Upper  
264 100  
260 27.1 21.4 32.2  
265 48.9 35.7 53.5

