

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN121121\  
 Data File : BN017899.D  
 Acq On : 11 Dec 2021 10:30  
 Operator : CG/JU  
 Sample : M4956-14  
 Misc :  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 MW202D-20211204

Quant Time: Dec 11 21:29:38 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\8270-SIM-BN121121.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Dec 11 00:01:30 2021  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By : Christian Giraldo 12/13/2021  
 Supervised By : Jagrut Upadhyay 12/13/2021

| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.715  | 152  | 22496    | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.494 | 136  | 90738    | 0.400 | ng    | 0.00     |
| 13) Acenaphthene-d10          | 14.334 | 164  | 61490    | 0.400 | ng    | 0.00     |
| 19) Phenanthrene-d10          | 17.092 | 188  | 128182   | 0.400 | ng    | 0.00     |
| 29) Chrysene-d12              | 21.293 | 240  | 95887    | 0.400 | ng    | 0.00     |
| 35) Perylene-d12              | 23.589 | 264  | 69750    | 0.400 | ng    | 0.00     |
|                               |        |      |          |       |       |          |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.336  | 112  | 8162     | 0.176 | ng    | 0.00     |
| 5) Phenol-d6                  | 6.903  | 99   | 4704     | 0.102 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 8.859  | 82   | 22403    | 0.378 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10   | 12.085 | 152  | 60330    | 0.378 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 15.844 | 330  | 5930     | 0.509 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl          | 12.964 | 172  | 93636    | 0.433 | ng    | 0.00     |
| 27) Fluoranthene-d10          | 19.124 | 212  | 189382   | 0.456 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.730 | 244  | 146720   | 0.621 | ng    | -0.01    |
|                               |        |      |          |       |       |          |
| Target Compounds              |        |      |          |       |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.270  | 88   | 4391m    | 0.643 | ng    |          |
| 25) Phenanthrene              | 17.129 | 178  | 9976     | 0.030 | ng    | 96       |
| 28) Fluoranthene              | 19.154 | 202  | 11946    | 0.030 | ng    | 98       |
| 30) Pyrene                    | 19.521 | 202  | 8101     | 0.022 | ng    | # 94     |
| 34) Bis(2-ethylhexyl)phtha... | 21.208 | 149  | 24312    | 0.236 | ng    | 99       |
| 36) Indeno(1,2,3-cd)pyrene    | 25.971 | 276  | 367      | 0.091 | ng    | # 56     |
| -----                         |        |      |          |       |       |          |

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

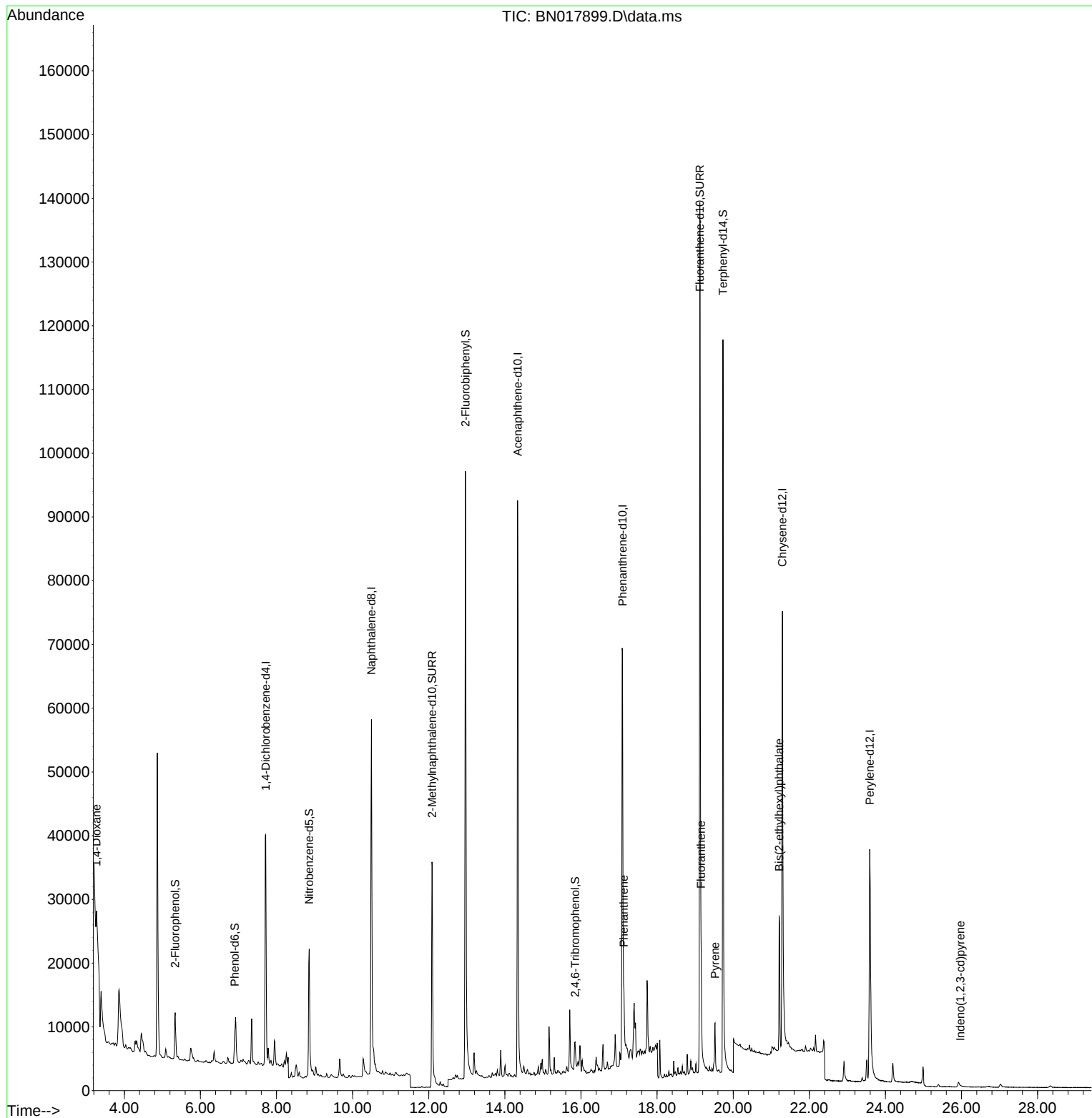
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN121121\  
Data File : BN017899.D  
Acq On : 11 Dec 2021 10:30  
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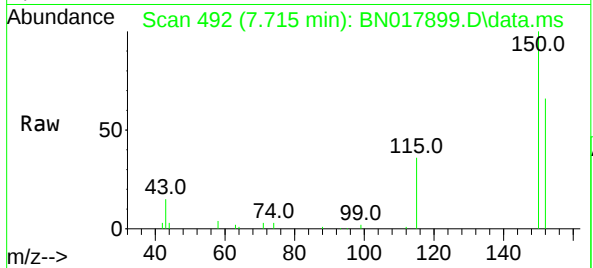
Quant Time: Dec 11 21:29:38 2021  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\8270-SIM-BN121121.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sat Dec 11 00:01:30 2021  
Response via : Initial Calibration





#1  
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.715 min Scan# 492  
Delta R.T. -0.000 min  
Lab File: BN017899.D  
Acq: 11 Dec 2021 10:30

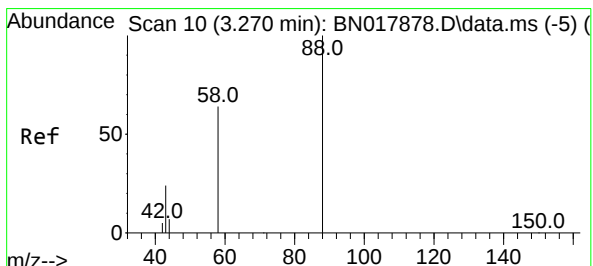
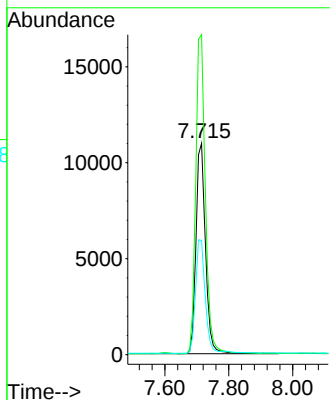
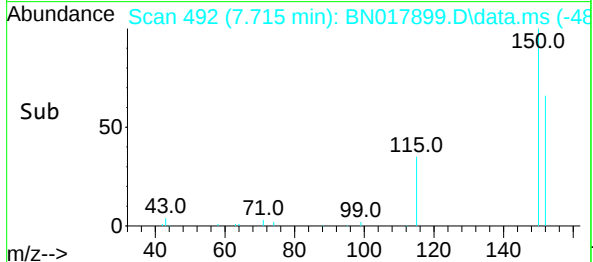
Instrument :  
BNA\_N  
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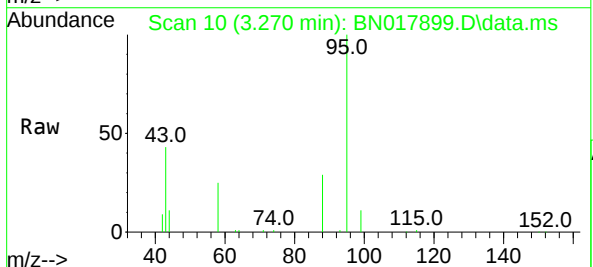
Tgt Ion: 152 Resp: 22490  
Ion Ratio Lower Upper  
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150 151.4 121.9 182.9  
115 54.1 44.1 66.1

Manual Integrations  
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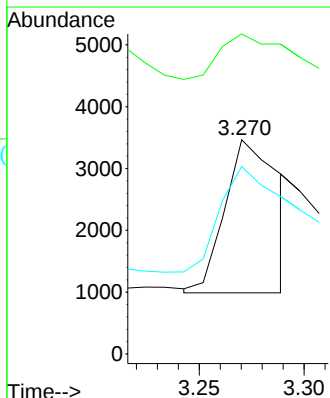
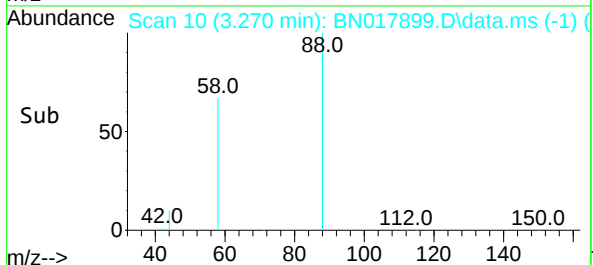
Reviewed By :Christian Giraldo 12/13/2021  
Supervised By :Jagrut Upadhyay 12/13/2021

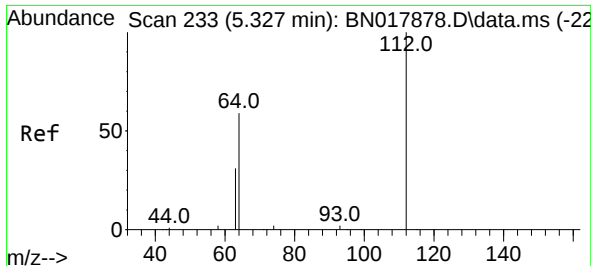


#2  
1,4-Dioxane  
Concen: 0.643 ng m  
RT: 3.270 min Scan# 10  
Delta R.T. -0.000 min  
Lab File: BN017899.D  
Acq: 11 Dec 2021 10:30



Tgt Ion: 88 Resp: 4391  
Ion Ratio Lower Upper  
88 100  
43 35.9 28.0 42.0  
58 85.0 65.4 98.0





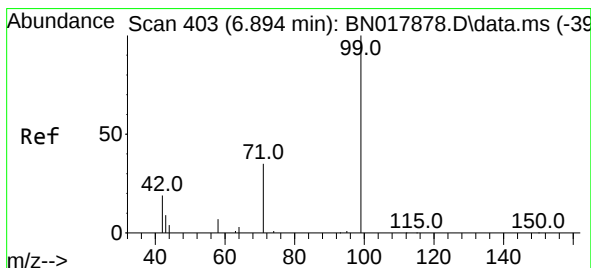
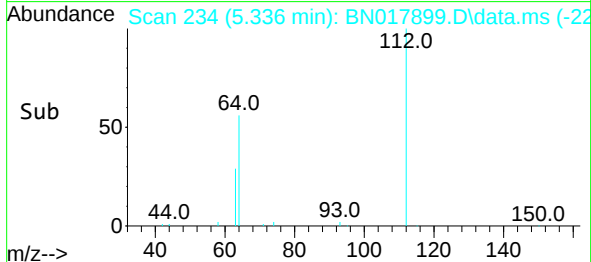
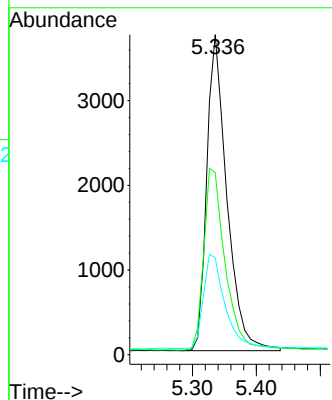
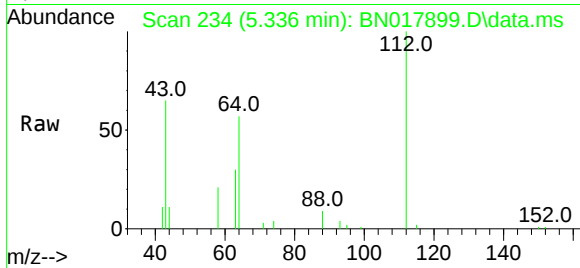
#4  
2-Fluorophenol  
Concen: 0.176 ng  
RT: 5.336 min Scan# 21  
Delta R.T. 0.009 min  
Lab File: BN017899.D  
Acq: 11 Dec 2021 10:30

Instrument :  
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Tgt Ion: 112 Resp: 816  
Ion Ratio Lower Upper  
112 100  
64 60.8 49.0 73.4  
63 32.1 26.2 39.2

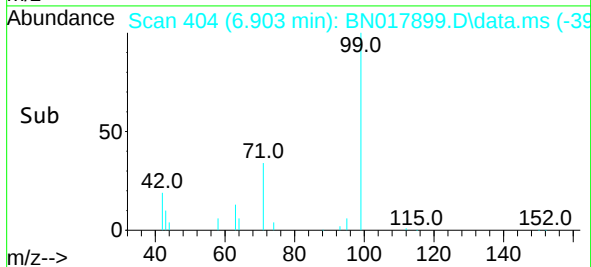
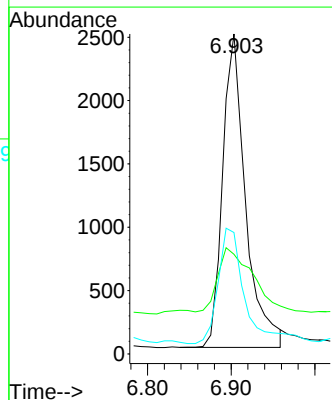
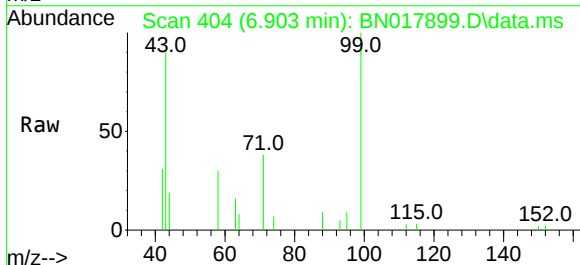
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#5  
Phenol-d6  
Concen: 0.102 ng  
RT: 6.903 min Scan# 404  
Delta R.T. 0.009 min  
Lab File: BN017899.D  
Acq: 11 Dec 2021 10:30

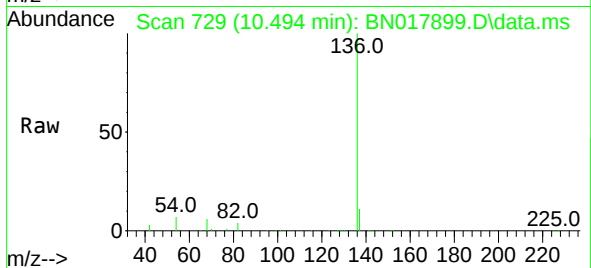
Tgt Ion: 99 Resp: 4704  
Ion Ratio Lower Upper  
99 100  
42 30.4 17.0 25.4#  
71 41.2 28.0 42.0





#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.494 min Scan# 729  
Delta R.T. -0.000 min  
Lab File: BN017899.D  
Acq: 11 Dec 2021 10:30

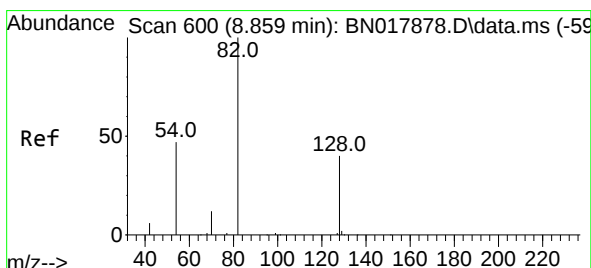
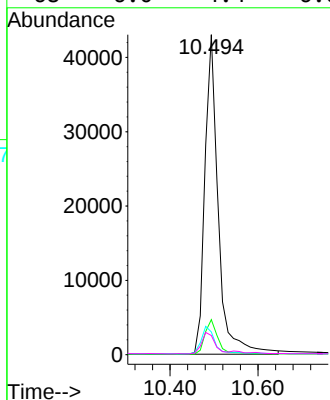
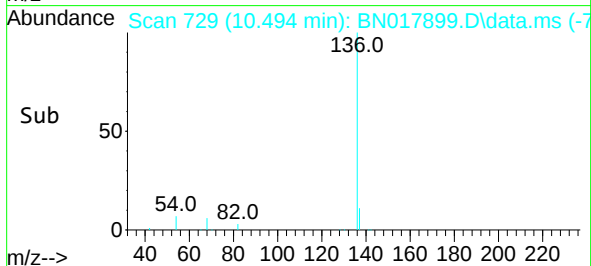
Instrument :  
BNA\_N  
ClientSampleId :  
MW202D-20211204



Tgt Ion:136 Resp: 90738  
Ion Ratio Lower Upper  
136 100  
137 11.0 8.8 13.2  
54 7.1 5.1 7.7  
68 6.0 4.4 6.6

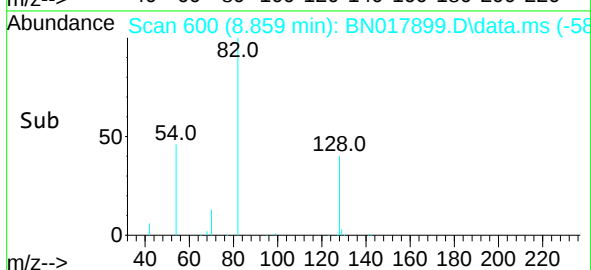
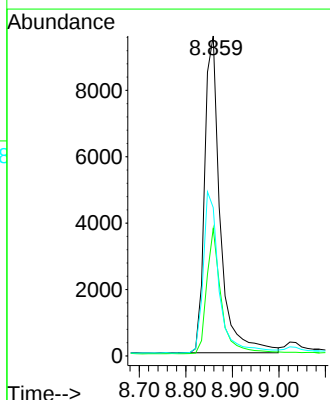
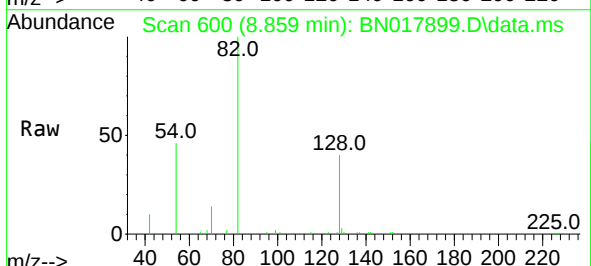
Manual Integrations  
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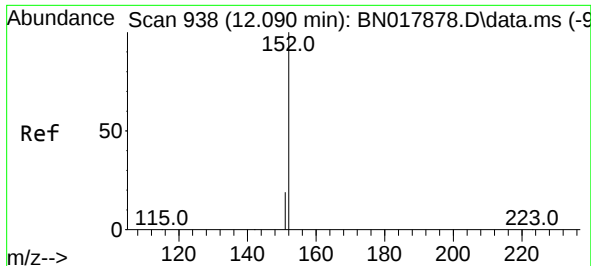
Reviewed By :Christian Giraldo 12/13/2021  
Supervised By :Jagrut Upadhyay 12/13/2021



#8  
Nitrobenzene-d5  
Concen: 0.378 ng  
RT: 8.859 min Scan# 600  
Delta R.T. -0.000 min  
Lab File: BN017899.D  
Acq: 11 Dec 2021 10:30

Tgt Ion: 82 Resp: 22403  
Ion Ratio Lower Upper  
82 100  
128 39.9 32.2 48.4  
54 46.3 37.6 56.4





#11

2-Methylnaphthalene-d10

Concen: 0.378 ng

RT: 12.085 min Scan# 91

Delta R.T. -0.005 min

Lab File: BN017899.D

Acq: 11 Dec 2021 10:30

Instrument :

BNA\_N

ClientSampleId :

MW202D-20211204

Tgt Ion:152 Resp: 60330

Ion Ratio Lower Upper

152 100

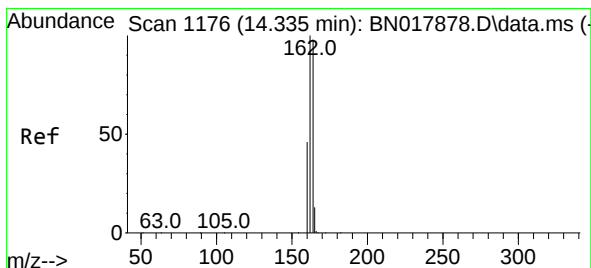
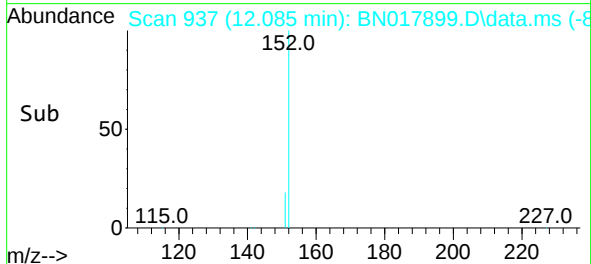
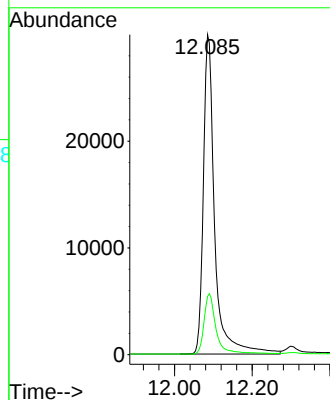
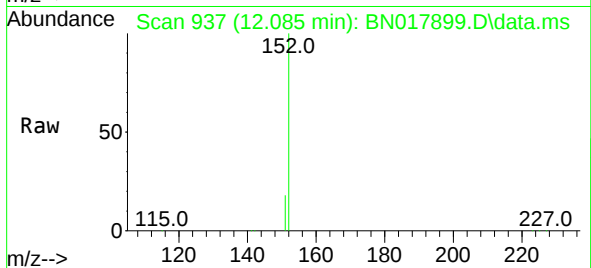
151 20.4 16.4 24.6

Manual Integrations

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#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.334 min Scan# 1176

Delta R.T. -0.000 min

Lab File: BN017899.D

Acq: 11 Dec 2021 10:30

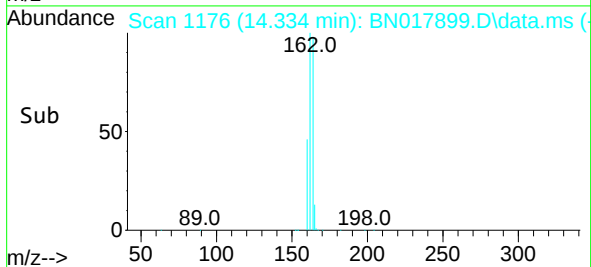
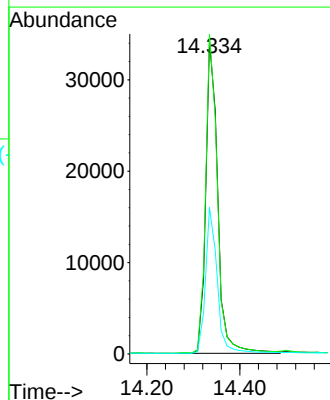
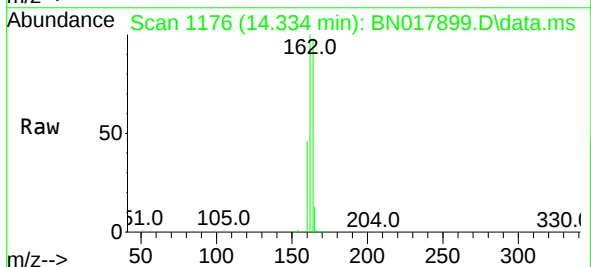
Tgt Ion:164 Resp: 61490

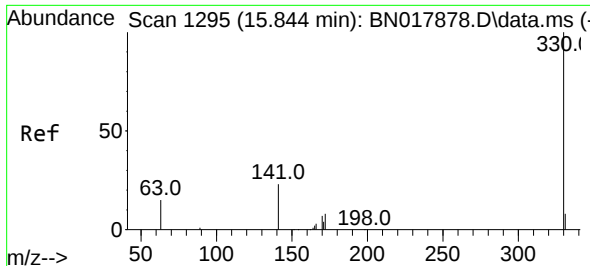
Ion Ratio Lower Upper

164 100

162 102.2 82.1 123.1

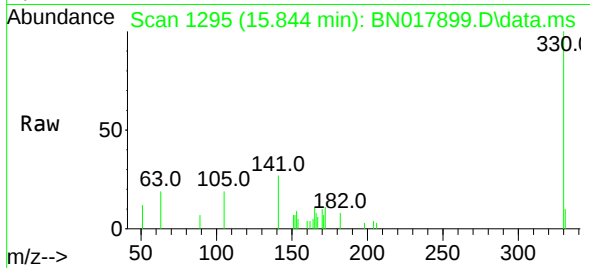
160 46.8 38.2 57.2





#14  
2,4,6-Tribromophenol  
Concen: 0.509 ng  
RT: 15.844 min Scan# 1295  
Delta R.T. 0.000 min  
Lab File: BN017899.D  
Acq: 11 Dec 2021 10:30

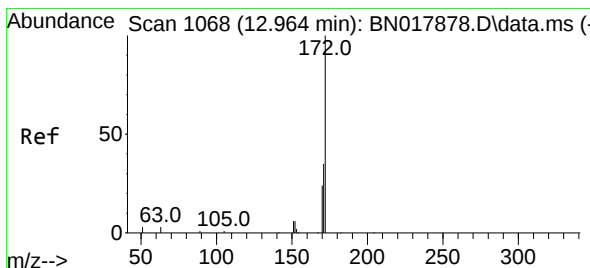
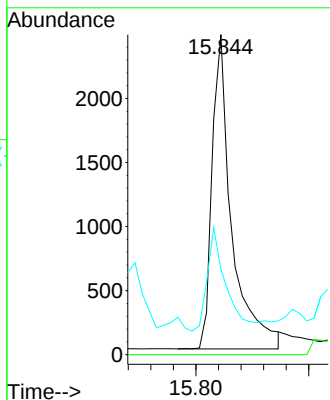
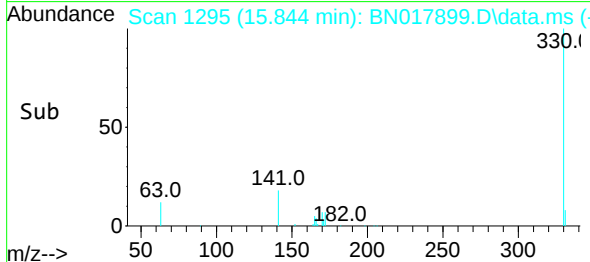
Instrument :  
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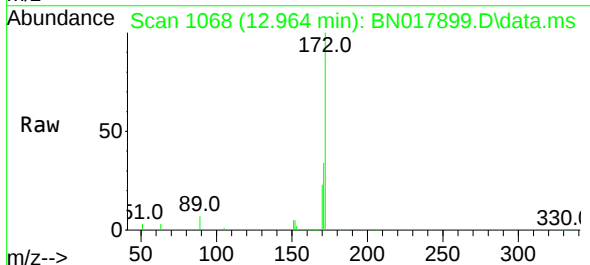
Tgt Ion: 330 Resp: 5930  
Ion Ratio Lower Upper  
330 100  
332 0.0 0.0 0.0  
141 31.1 19.7 29.5

Manual Integrations  
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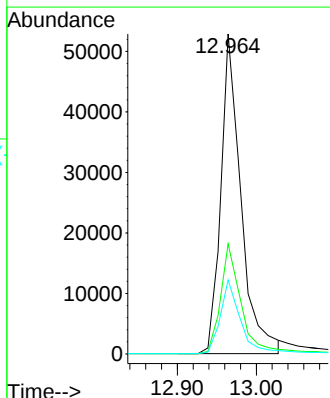
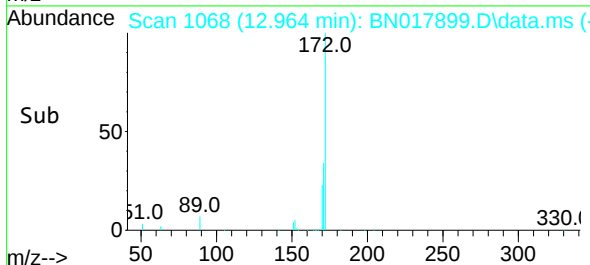
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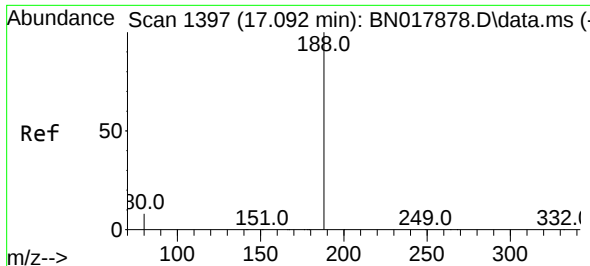


#15  
2-Fluorobiphenyl  
Concen: 0.433 ng  
RT: 12.964 min Scan# 1068  
Delta R.T. -0.000 min  
Lab File: BN017899.D  
Acq: 11 Dec 2021 10:30



Tgt Ion: 172 Resp: 93636  
Ion Ratio Lower Upper  
172 100  
171 34.4 28.3 42.5  
170 23.1 19.1 28.7





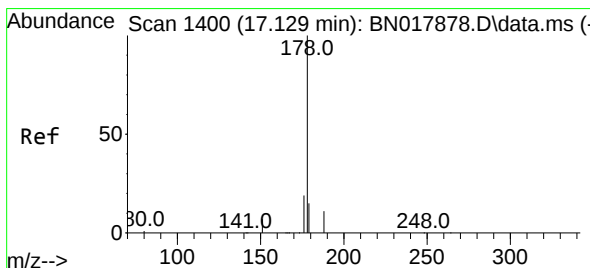
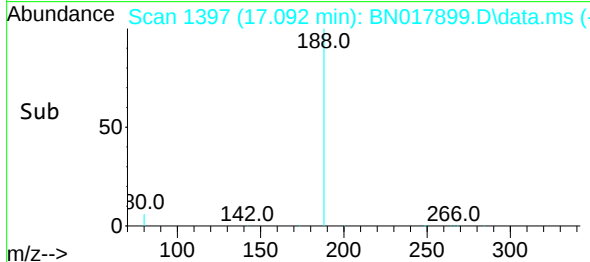
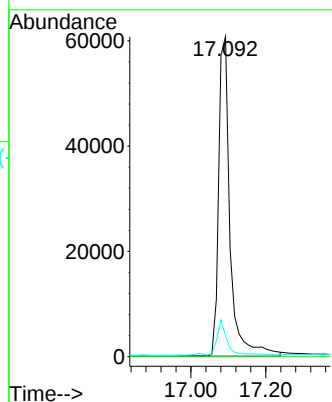
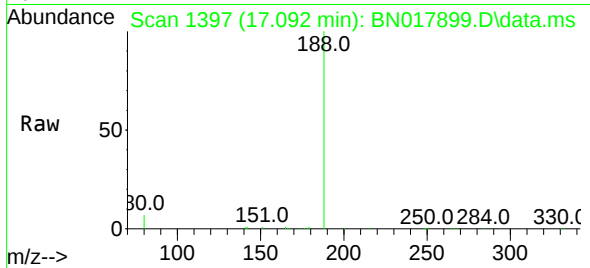
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Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.092 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BN017899.D  
Acq: 11 Dec 2021 10:30

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MW202D-20211204

Tgt Ion:188 Resp: 12818  
Ion Ratio Lower Upper  
188 100  
94 0.0 0.0 0.0  
80 6.6 6.2 9.2

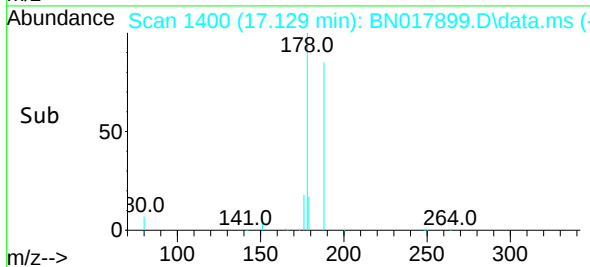
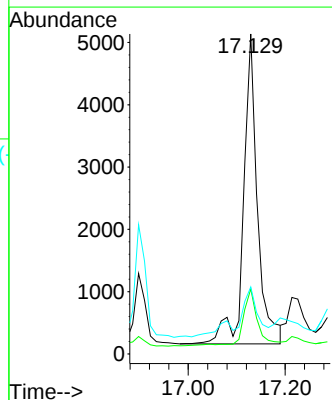
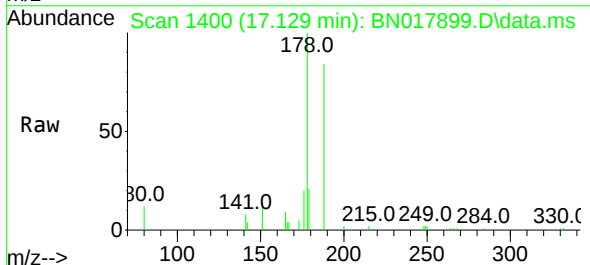
Manual Integrations  
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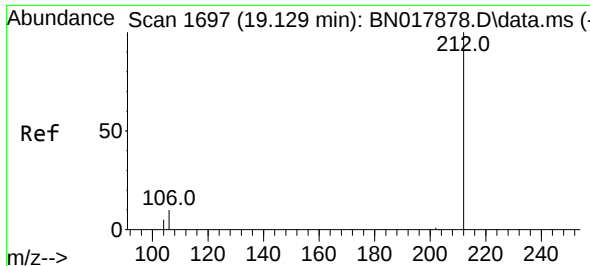
Reviewed By :Christian Giraldo 12/13/2021  
Supervised By :Jagrut Upadhyay 12/13/2021



#25  
Phenanthrene  
Concen: 0.030 ng  
RT: 17.129 min Scan# 1400  
Delta R.T. -0.000 min  
Lab File: BN017899.D  
Acq: 11 Dec 2021 10:30

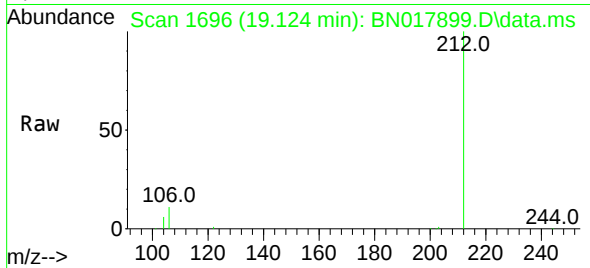
Tgt Ion:178 Resp: 9976  
Ion Ratio Lower Upper  
178 100  
176 19.5 15.0 22.6  
179 12.6 12.4 18.6





#27  
Fluoranthene-d10  
Concen: 0.456 ng  
RT: 19.124 min Scan# 1697  
Delta R.T. -0.005 min  
Lab File: BN017899.D  
Acq: 11 Dec 2021 10:30

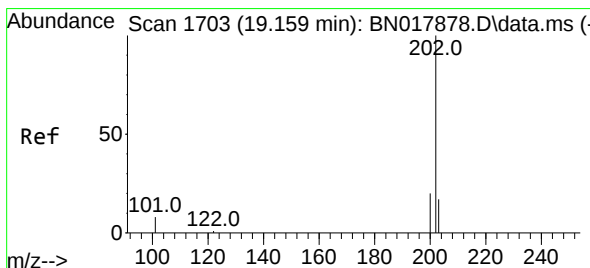
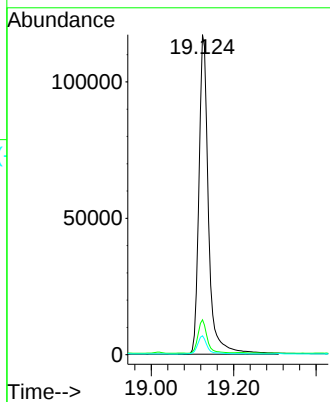
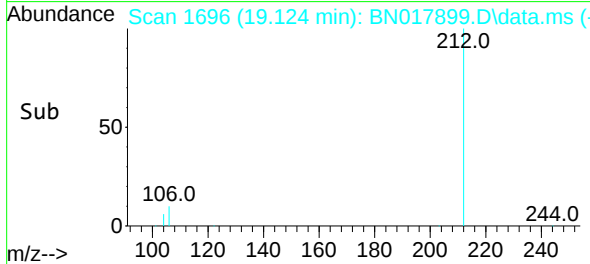
Instrument :  
BNA\_N  
ClientSampleId :  
MW202D-20211204



Tgt Ion:212 Resp: 18938  
Ion Ratio Lower Upper  
212 100  
106 10.0 8.3 12.5  
104 5.9 4.6 6.8

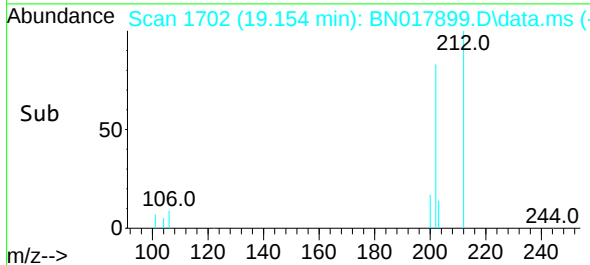
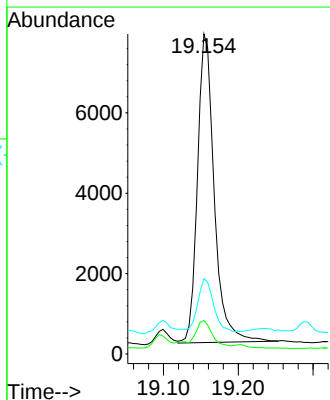
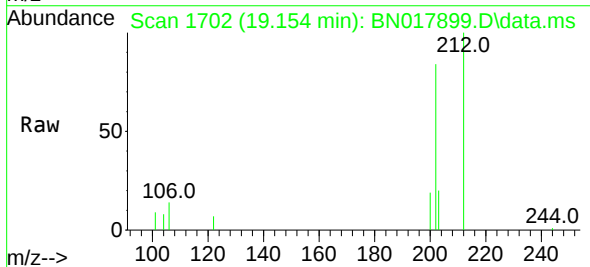
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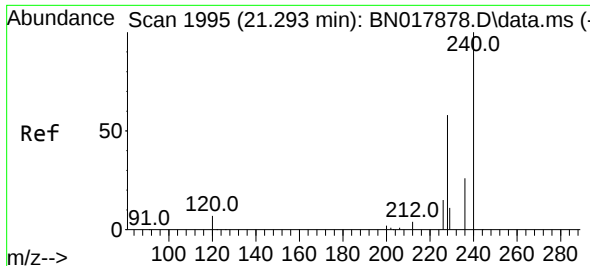
Reviewed By :Christian Giraldo 12/13/2021  
Supervised By :Jagrut Upadhyay 12/13/2021



#28  
Fluoranthene  
Concen: 0.030 ng  
RT: 19.154 min Scan# 1702  
Delta R.T. -0.005 min  
Lab File: BN017899.D  
Acq: 11 Dec 2021 10:30

Tgt Ion:202 Resp: 11946  
Ion Ratio Lower Upper  
202 100  
101 7.6 7.3 10.9  
203 17.4 13.7 20.5





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.293 min Scan# 1995

Delta R.T. -0.000 min

Lab File: BN017899.D

Acq: 11 Dec 2021 10:30

Instrument :

BNA\_N

ClientSampleId :

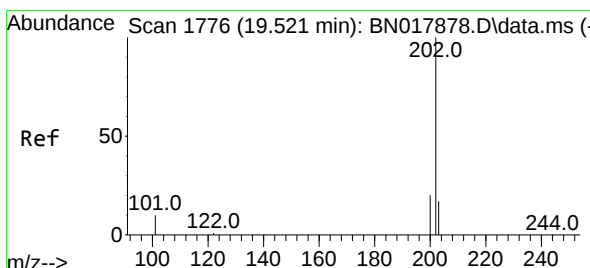
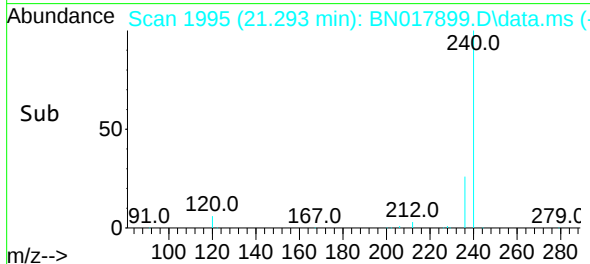
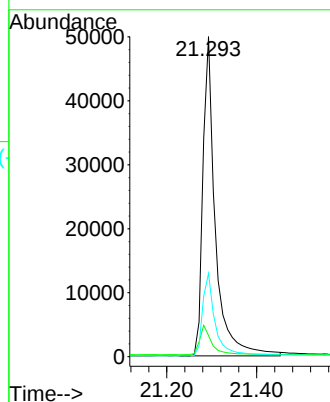
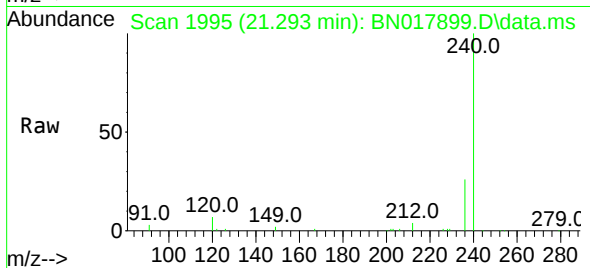
MW202D-20211204

Tgt Ion:240 Resp: 9588  
 Ion Ratio Lower Upper  
 240 100  
 120 6.6 5.8 8.8  
 236 26.0 21.0 31.6

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 Supervised By :Jagrut Upadhyay 12/13/2021



#30

Pyrene

Concen: 0.022 ng

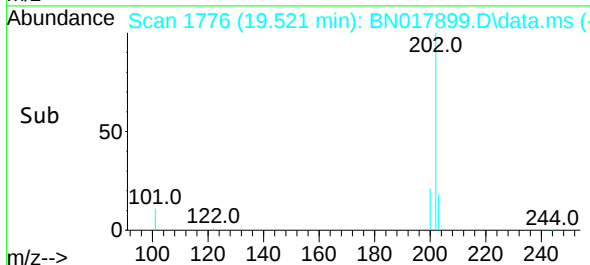
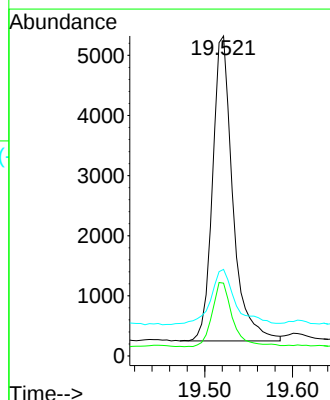
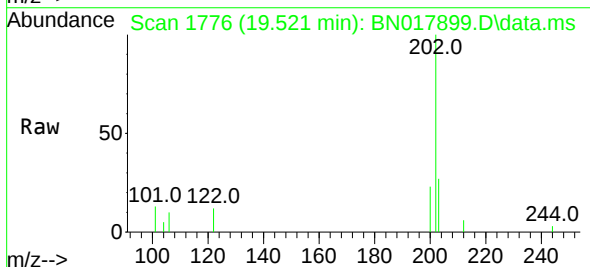
RT: 19.521 min Scan# 1776

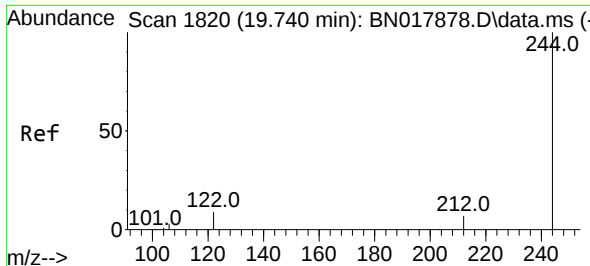
Delta R.T. -0.000 min

Lab File: BN017899.D

Acq: 11 Dec 2021 10:30

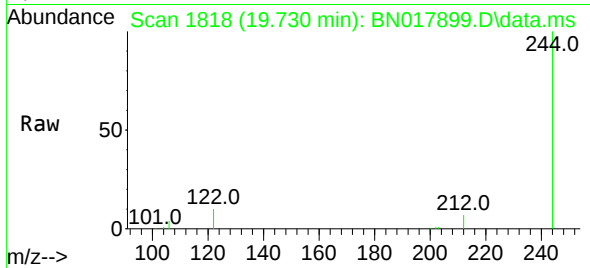
Tgt Ion:202 Resp: 8101  
 Ion Ratio Lower Upper  
 202 100  
 200 21.5 16.5 24.7  
 203 21.9 14.0 21.0#





#31  
 Terphenyl-d14  
 Concen: 0.621 ng  
 RT: 19.730 min Scan# 1820  
 Delta R.T. -0.010 min  
 Lab File: BN017899.D  
 Acq: 11 Dec 2021 10:30

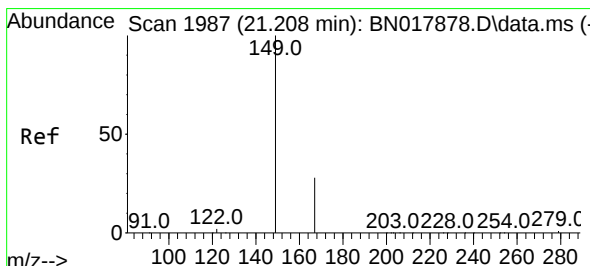
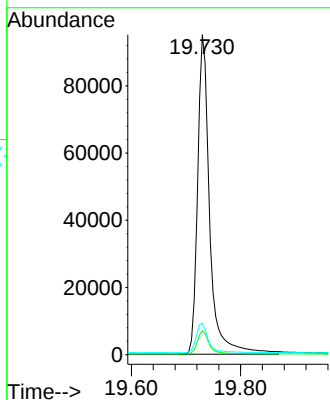
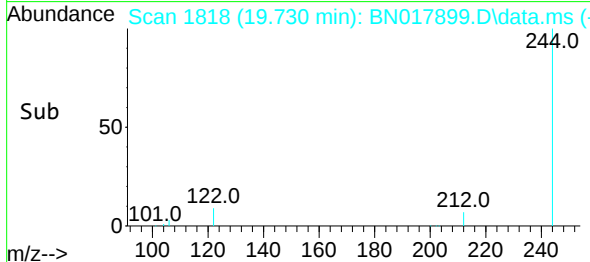
Instrument :  
 BNA\_N  
 ClientSampleId :  
 MW202D-20211204



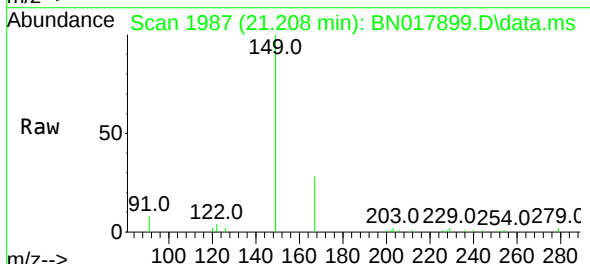
Tgt Ion:244 Resp: 146720  
 Ion Ratio Lower Upper  
 244 100  
 212 7.4 6.2 9.2  
 122 9.9 7.5 11.3

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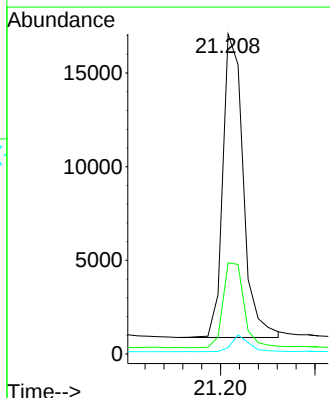
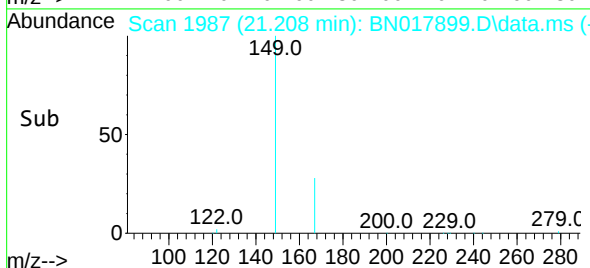
Reviewed By :Christian Giraldo 12/13/2021  
 Supervised By :Jagrut Upadhyay 12/13/2021

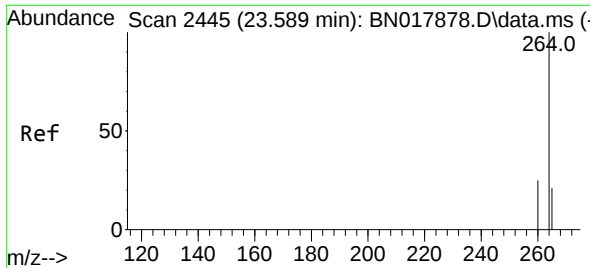


#34  
 Bis(2-ethylhexyl)phthalate  
 Concen: 0.236 ng  
 RT: 21.208 min Scan# 1987  
 Delta R.T. -0.000 min  
 Lab File: BN017899.D  
 Acq: 11 Dec 2021 10:30



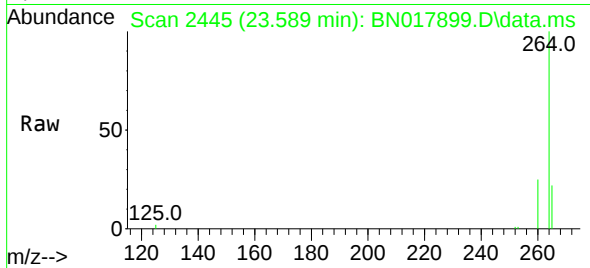
Tgt Ion:149 Resp: 24312  
 Ion Ratio Lower Upper  
 149 100  
 167 28.7 23.4 35.0  
 279 4.7 3.6 5.4





#35  
 Perylene-d12  
 Concen: 0.400 ng  
 RT: 23.589 min Scan# 2445  
 Delta R.T. -0.000 min  
 Lab File: BN017899.D  
 Acq: 11 Dec 2021 10:30

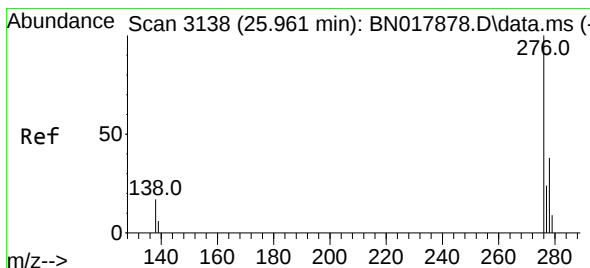
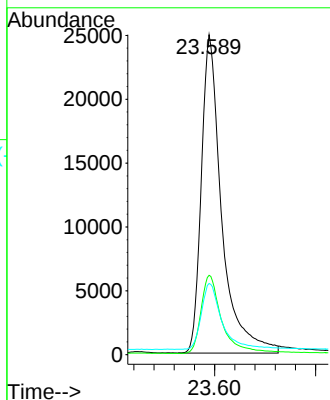
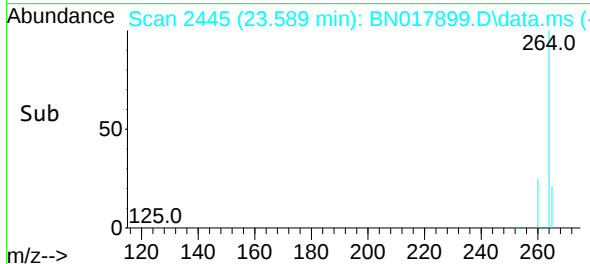
Instrument :  
 BNA\_N  
 ClientSampleId :  
 MW202D-20211204



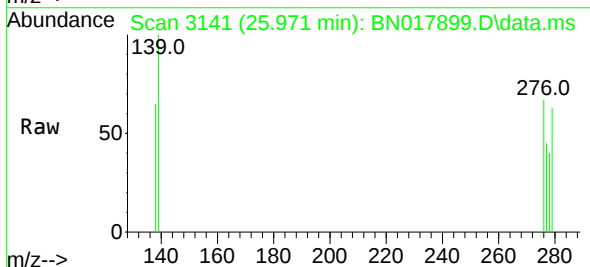
Tgt Ion:264 Resp: 69750  
 Ion Ratio Lower Upper  
 264 100  
 260 24.8 20.2 30.4  
 265 22.3 18.2 27.4

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 Supervised By :Jagrut Upadhyay 12/13/2021



#36  
 Indeno(1,2,3-cd)pyrene  
 Concen: 0.091 ng  
 RT: 25.971 min Scan# 3141  
 Delta R.T. 0.010 min  
 Lab File: BN017899.D  
 Acq: 11 Dec 2021 10:30



Tgt Ion:276 Resp: 367  
 Ion Ratio Lower Upper  
 276 100  
 138 0.0 15.2 22.8#  
 277 2.5 19.8 29.6#

