

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN091422\  
 Data File : BN021752.D  
 Acq On : 14 Sep 2022 18:10  
 Operator : CG/JU  
 Sample : N4549-19  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 MW-63

Manual Integrations  
 APPROVED

Reviewed By : Christian Giraldo 09/15/2022  
 Supervised By : Jagrut Upadhyay 09/15/2022

Quant Time: Sep 15 02:11:38 2022  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\8270-SIM-BN091422.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Sep 14 01:55:04 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.054  | 152  | 5276     | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.887 | 136  | 17630    | 0.400 | ng    | 0.00     |
| 13) Acenaphthene-d10          | 14.707 | 164  | 10926    | 0.400 | ng    | 0.00     |
| 19) Phenanthrene-d10          | 17.456 | 188  | 22744    | 0.400 | ng    | 0.00     |
| 29) Chrysene-d12              | 21.652 | 240  | 16951    | 0.400 | ng    | # 0.00   |
| 35) Perylene-d12              | 24.161 | 264  | 13300    | 0.400 | ng    | 0.00     |
|                               |        |      |          |       |       |          |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.584  | 112  | 2012     | 0.146 | ng    | 0.00     |
| 5) Phenol-d6                  | 7.209  | 99   | 1655     | 0.095 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 9.233  | 82   | 4760m    | 0.327 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10   | 12.471 | 152  | 13715    | 0.308 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 16.197 | 330  | 2073     | 0.415 | ng    | -0.01    |
| 15) 2-Fluorobiphenyl          | 13.339 | 172  | 17080    | 0.383 | ng    | 0.00     |
| 27) Fluoranthene-d10          | 19.490 | 212  | 25320    | 0.414 | ng    | 0.00     |
| 31) Terphenyl-d14             | 20.075 | 244  | 18772    | 0.484 | ng    | 0.00     |
|                               |        |      |          |       |       |          |
| Target Compounds              |        |      |          |       |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.403  | 88   | 512      | 0.075 | ng    | # 5      |
| 28) Fluoranthene              | 19.519 | 202  | 6811     | 0.083 | ng    | 99       |
| 30) Pyrene                    | 19.882 | 202  | 25265    | 0.300 | ng    | # 90     |
| 32) Benzo(a)anthracene        | 21.634 | 228  | 7167     | 0.110 | ng    | # 89     |
| 33) Chrysene                  | 21.688 | 228  | 12247    | 0.181 | ng    | # 94     |
| 34) Bis(2-ethylhexyl)phtha... | 21.544 | 149  | 8375     | 0.193 | ng    | 99       |
| 37) Benzo(b)fluoranthene      | 23.384 | 252  | 7628m    | 0.126 | ng    |          |
| 39) Benzo(a)pyrene            | 24.044 | 252  | 3553     | 0.074 | ng    | # 50     |
| -----                         |        |      |          |       |       |          |

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

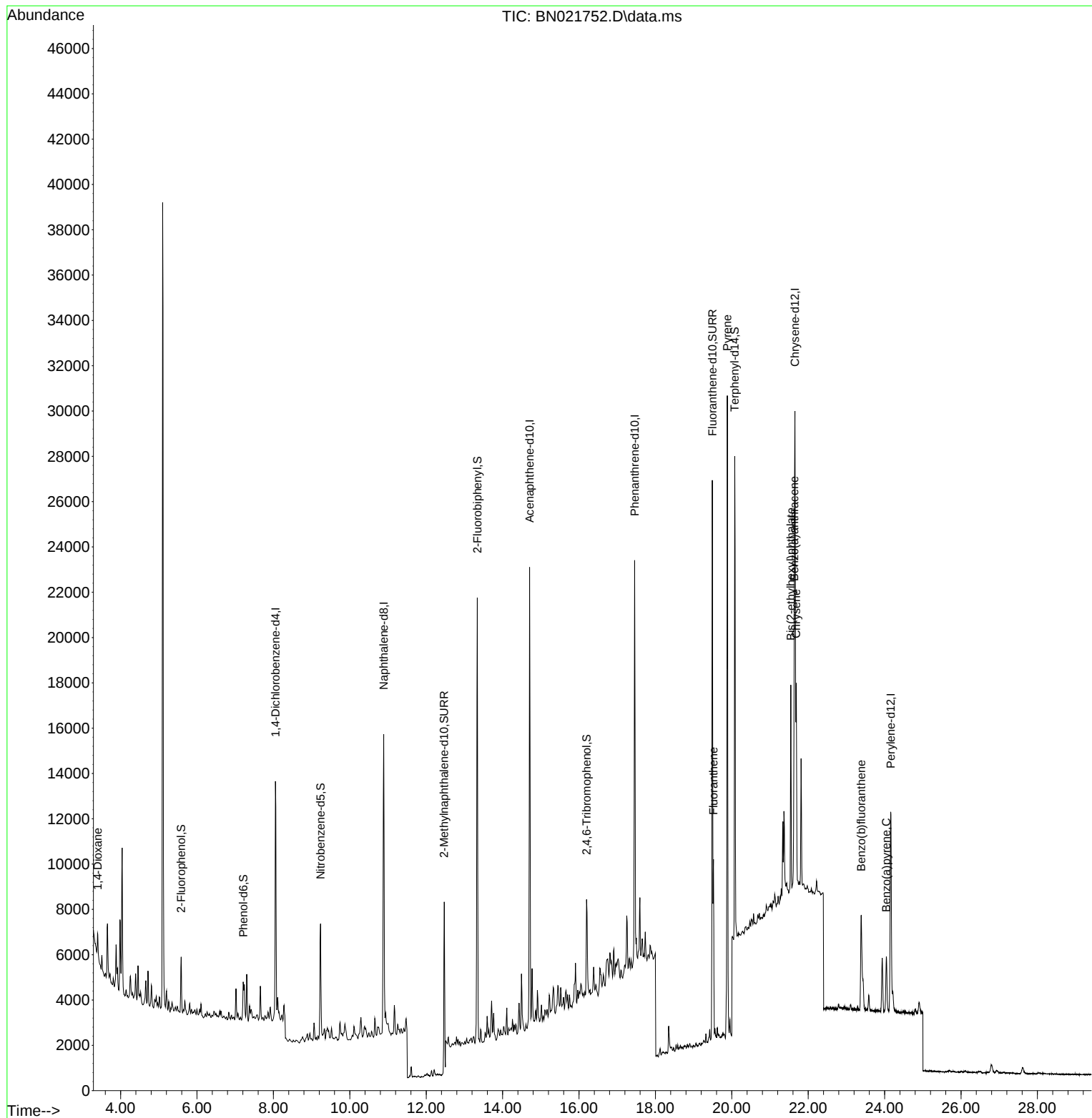
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN091422\  
Data File : BN021752.D  
Acq On : 14 Sep 2022 18:10  
Operator : CG/JU  
Sample : N4549-19  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
MW-63

Manual Integrations  
APPROVED

Reviewed By : Christian Giraldo 09/15/2022  
Supervised By : Jagrut Upadhyay 09/15/2022

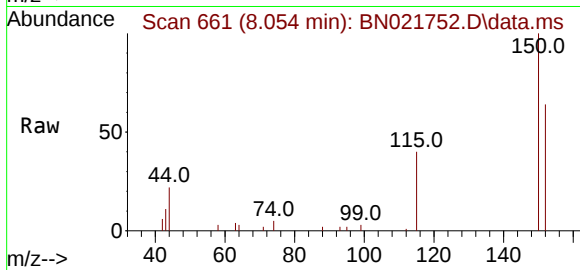
Quant Time: Sep 15 02:11:38 2022  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\8270-SIM-BN091422.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Sep 14 01:55:04 2022  
Response via : Initial Calibration





#1  
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 8.054 min Scan# 662  
Delta R.T. -0.008 min  
Lab File: BN021752.D  
Acq: 14 Sep 2022 18:10

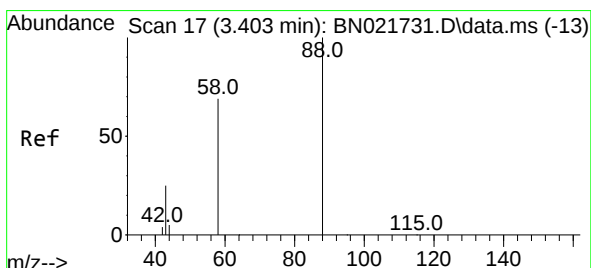
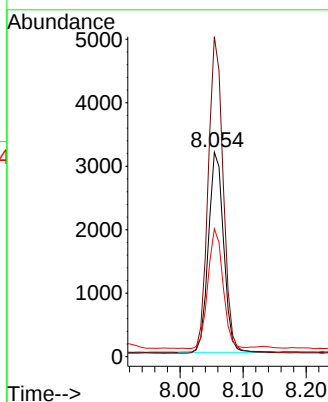
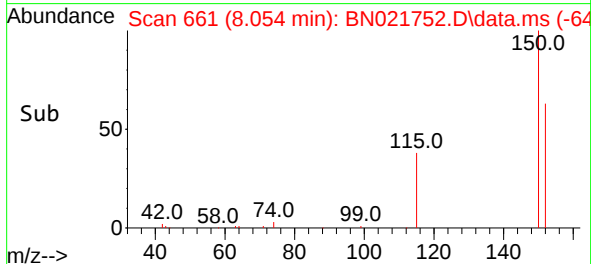
Instrument :  
BNA\_N  
ClientSampleId :  
MW-63



Tgt Ion: 152 Resp: 5270  
Ion Ratio Lower Upper  
152 100  
150 156.5 121.8 182.8  
115 62.5 48.3 72.5

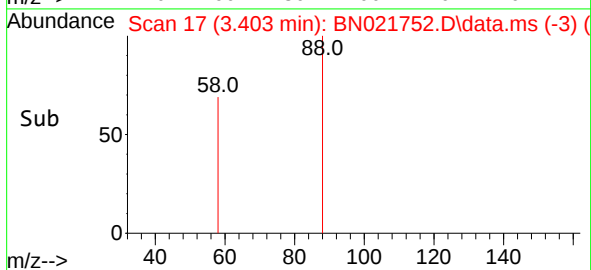
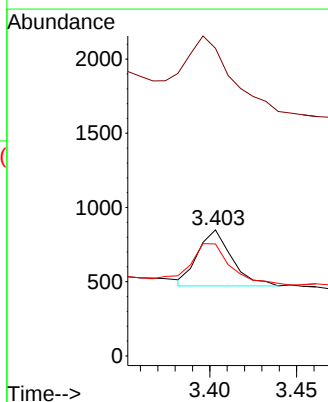
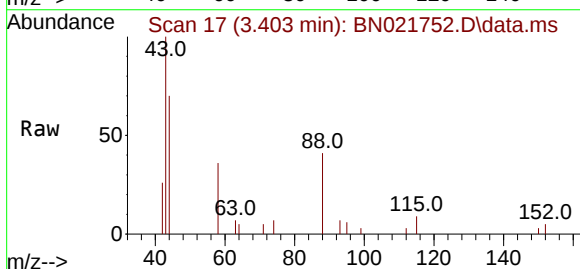
Manual Integrations  
APPROVED

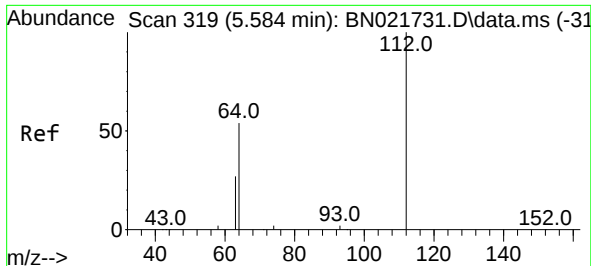
Reviewed By : Christian Giraldo 09/15/2022  
Supervised By : Jagrut Upadhyay 09/15/2022



#2  
1,4-Dioxane  
Concen: 0.075 ng  
RT: 3.403 min Scan# 17  
Delta R.T. -0.000 min  
Lab File: BN021752.D  
Acq: 14 Sep 2022 18:10

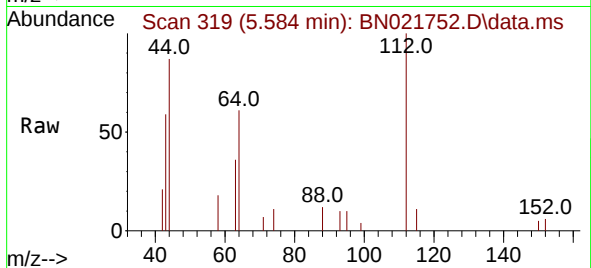
Tgt Ion: 88 Resp: 512  
Ion Ratio Lower Upper  
88 100  
43 199.2 24.2 36.2#  
58 82.8 60.2 90.4





#4  
2-Fluorophenol  
Concen: 0.146 ng  
RT: 5.584 min Scan# 319  
Delta R.T. -0.000 min  
Lab File: BN021752.D  
Acq: 14 Sep 2022 18:10

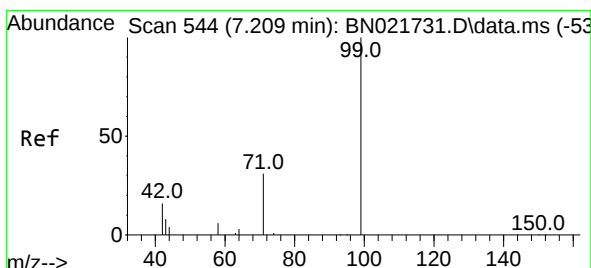
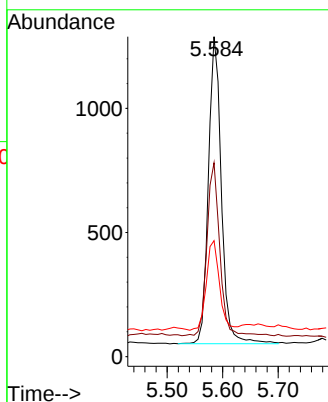
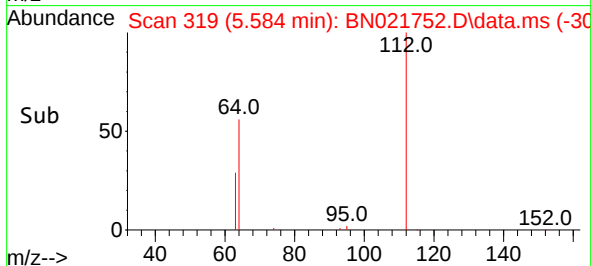
Instrument :  
BNA\_N  
ClientSampleId :  
MW-63



Tgt Ion: 112 Resp: 201  
Ion Ratio Lower Upper  
112 100  
64 55.5 45.4 68.2  
63 29.5 23.3 34.9

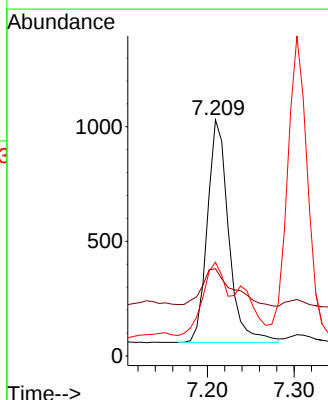
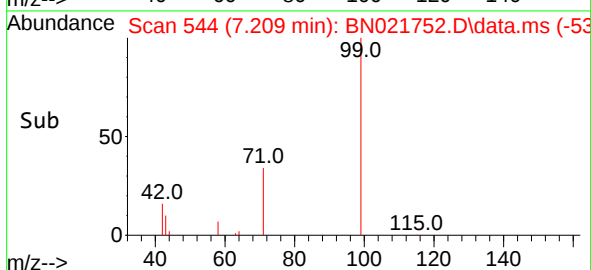
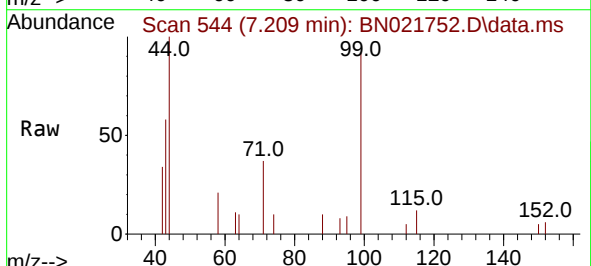
Manual Integrations  
APPROVED

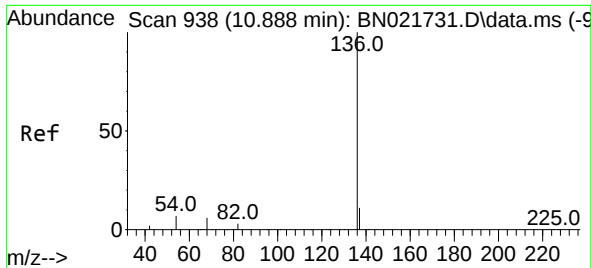
Reviewed By :Christian Giraldo 09/15/2022  
Supervised By :Jagrut Upadhyay 09/15/2022



#5  
Phenol-d6  
Concen: 0.095 ng  
RT: 7.209 min Scan# 544  
Delta R.T. -0.000 min  
Lab File: BN021752.D  
Acq: 14 Sep 2022 18:10

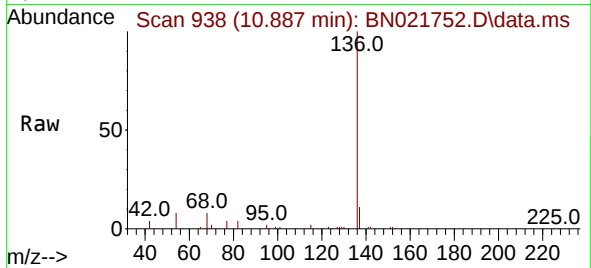
Tgt Ion: 99 Resp: 1655  
Ion Ratio Lower Upper  
99 100  
42 24.7 15.1 22.7#  
71 39.3 25.3 37.9#





#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.887 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: BN021752.D  
Acq: 14 Sep 2022 18:10

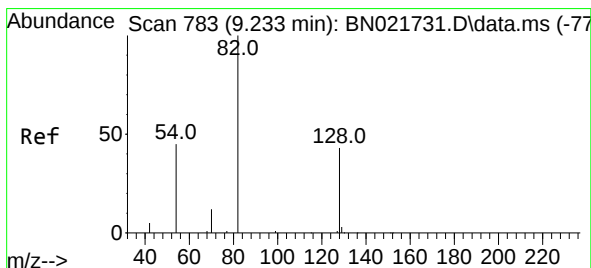
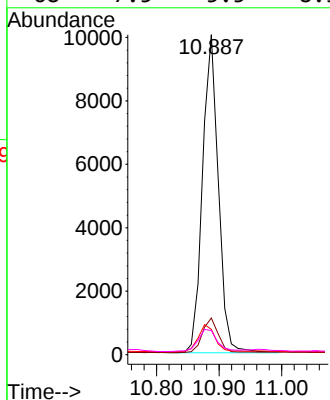
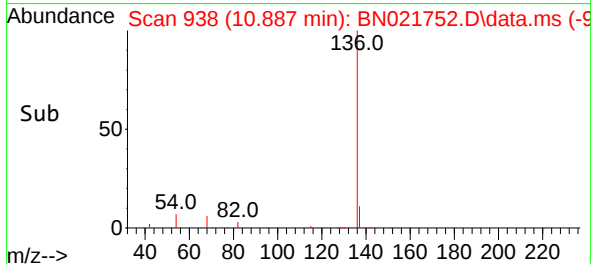
Instrument :  
BNA\_N  
ClientSampleId :  
MW-63



Tgt Ion:136 Resp: 17630  
Ion Ratio Lower Upper  
136 100  
137 11.5 9.1 13.7  
54 7.9 6.4 9.6  
68 7.5 5.5 8.3

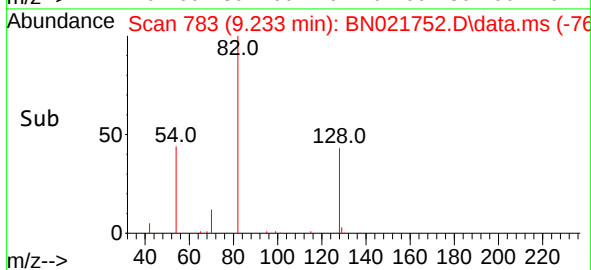
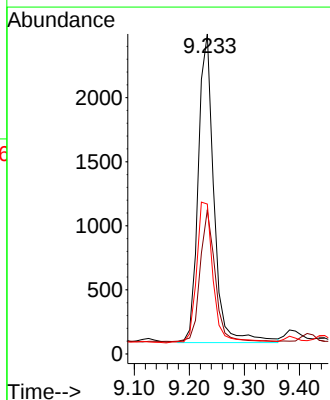
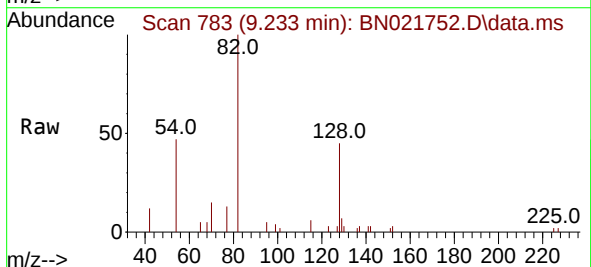
Manual Integrations  
APPROVED

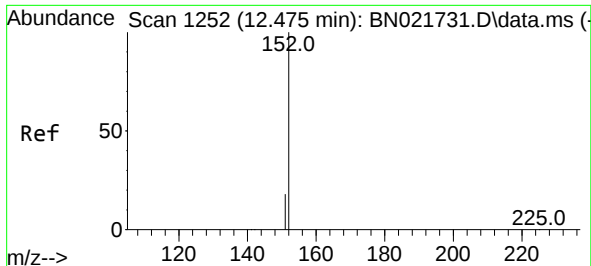
Reviewed By :Christian Giraldo 09/15/2022  
Supervised By :Jagrut Upadhyay 09/15/2022



#8  
Nitrobenzene-d5  
Concen: 0.327 ng m  
RT: 9.233 min Scan# 783  
Delta R.T. -0.000 min  
Lab File: BN021752.D  
Acq: 14 Sep 2022 18:10

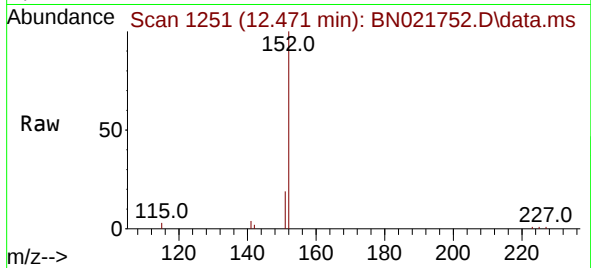
Tgt Ion: 82 Resp: 4760  
Ion Ratio Lower Upper  
82 100  
128 44.9 35.6 53.4  
54 46.9 37.8 56.8





#11  
2-Methylnaphthalene-d10  
Concen: 0.308 ng  
RT: 12.471 min Scan# 1251  
Delta R.T. -0.004 min  
Lab File: BN021752.D  
Acq: 14 Sep 2022 18:10

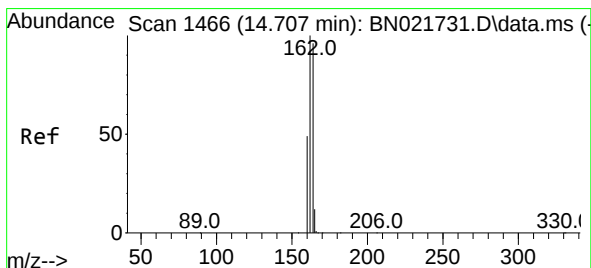
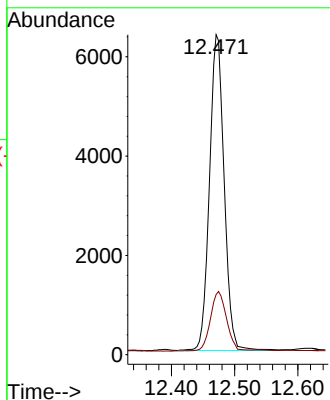
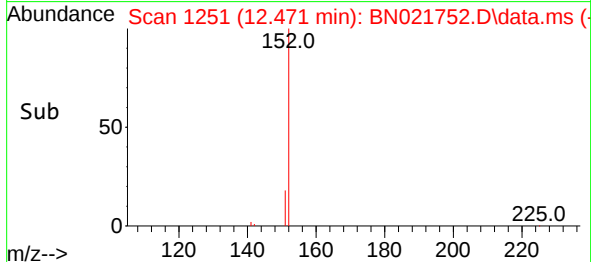
Instrument :  
BNA\_N  
ClientSampleId :  
MW-63



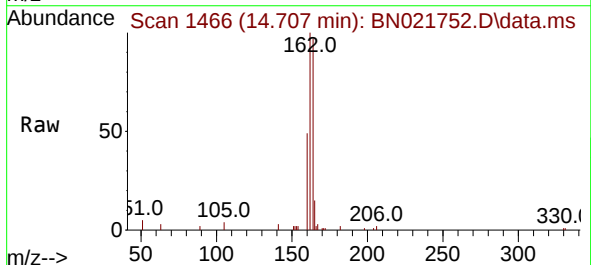
Tgt Ion:152 Resp: 13715  
Ion Ratio Lower Upper  
152 100  
151 20.6 15.6 23.4

Manual Integrations  
APPROVED

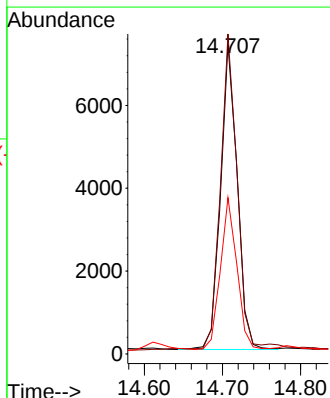
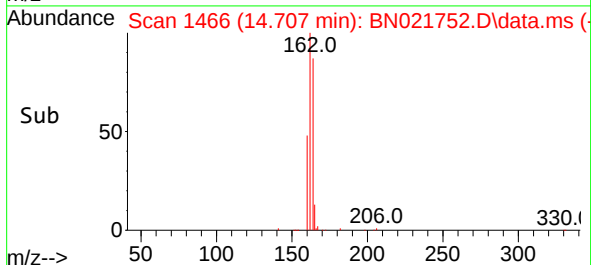
Reviewed By :Christian Giraldo 09/15/2022  
Supervised By :Jagrut Upadhyay 09/15/2022

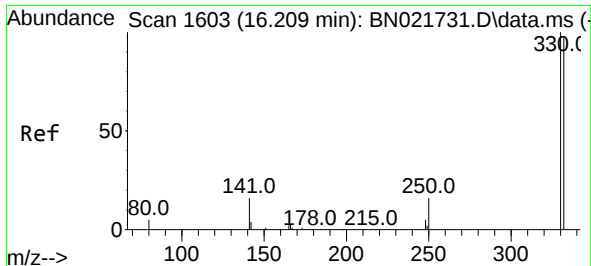


#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.707 min Scan# 1466  
Delta R.T. -0.000 min  
Lab File: BN021752.D  
Acq: 14 Sep 2022 18:10



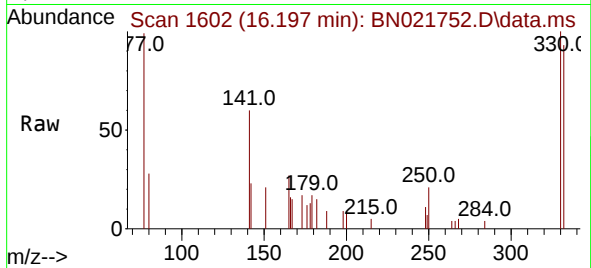
Tgt Ion:164 Resp: 10926  
Ion Ratio Lower Upper  
164 100  
162 103.3 83.2 124.8  
160 50.5 40.9 61.3





#14  
2,4,6-Tribromophenol  
Concen: 0.415 ng  
RT: 16.197 min Scan# 1602  
Delta R.T. -0.012 min  
Lab File: BN021752.D  
Acq: 14 Sep 2022 18:10

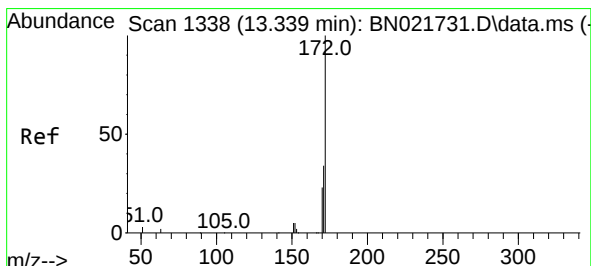
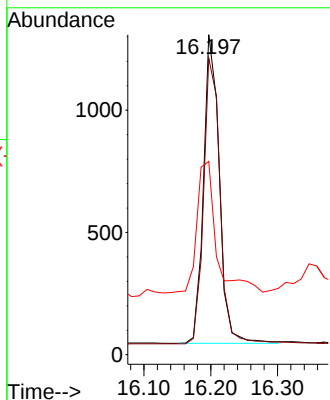
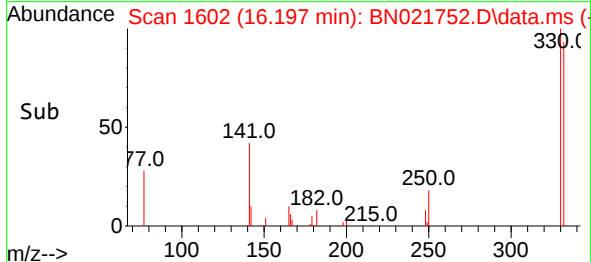
Instrument :  
BNA\_N  
ClientSampleId :  
MW-63



Tgt Ion: 330 Resp: 207  
Ion Ratio Lower Upper  
330 100  
332 97.0 76.8 115.2  
141 52.0 37.2 55.8

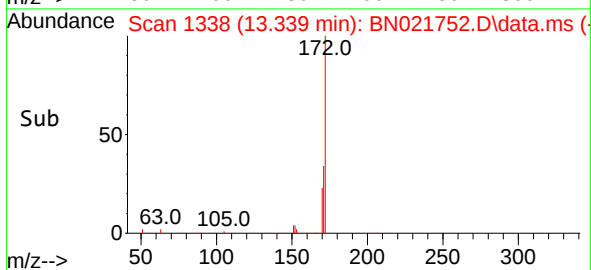
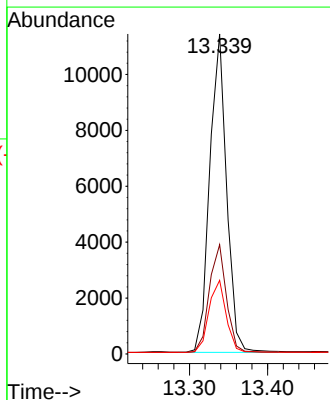
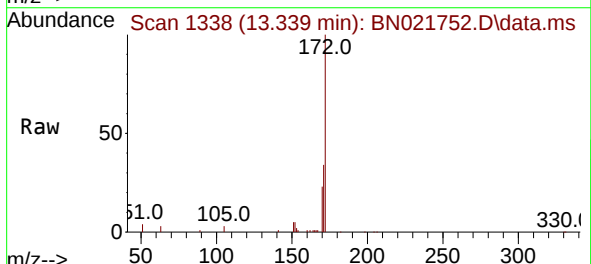
Manual Integrations  
APPROVED

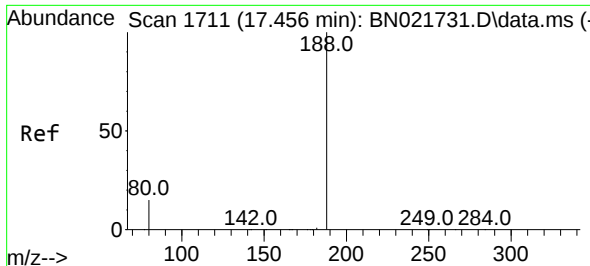
Reviewed By : Christian Giraldo 09/15/2022  
Supervised By : Jagrut Upadhyay 09/15/2022



#15  
2-Fluorobiphenyl  
Concen: 0.383 ng  
RT: 13.339 min Scan# 1338  
Delta R.T. -0.000 min  
Lab File: BN021752.D  
Acq: 14 Sep 2022 18:10

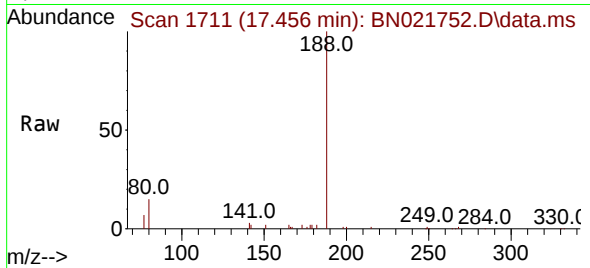
Tgt Ion: 172 Resp: 17080  
Ion Ratio Lower Upper  
172 100  
171 34.2 27.7 41.5  
170 23.0 18.8 28.2





#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.456 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BN021752.D  
Acq: 14 Sep 2022 18:10

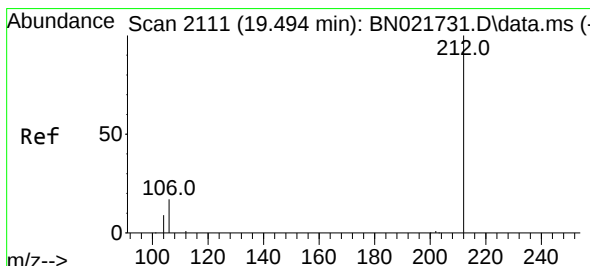
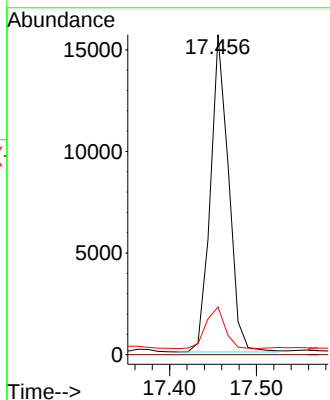
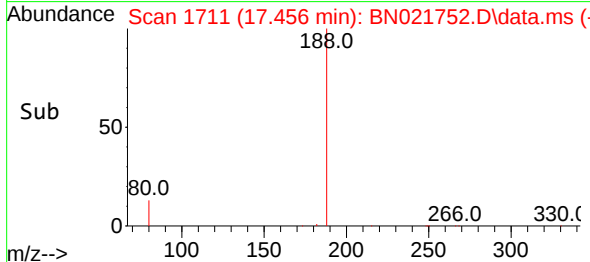
Instrument :  
BNA\_N  
ClientSampleId :  
MW-63



Tgt Ion:188 Resp: 22744  
Ion Ratio Lower Upper  
188 100  
94 0.0 0.0 0.0  
80 14.9 12.6 19.0

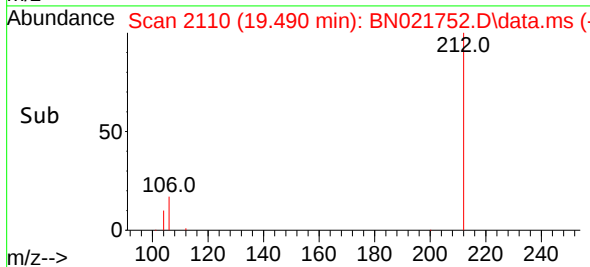
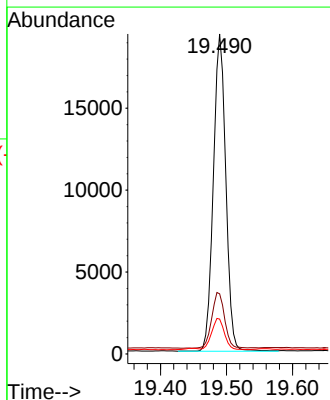
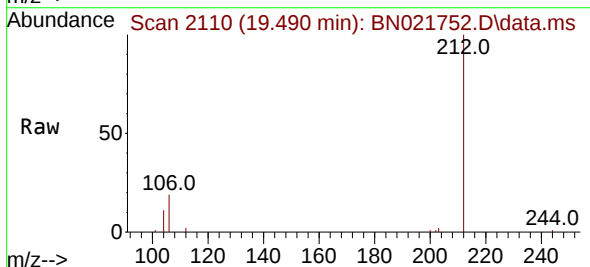
Manual Integrations  
APPROVED

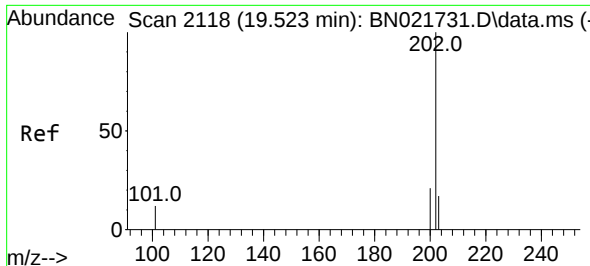
Reviewed By :Christian Giraldo 09/15/2022  
Supervised By :Jagrut Upadhyay 09/15/2022



#27  
Fluoranthene-d10  
Concen: 0.414 ng  
RT: 19.490 min Scan# 2110  
Delta R.T. -0.004 min  
Lab File: BN021752.D  
Acq: 14 Sep 2022 18:10

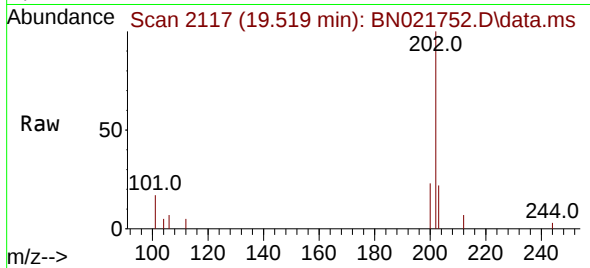
Tgt Ion:212 Resp: 25320  
Ion Ratio Lower Upper  
212 100  
106 18.1 14.3 21.5  
104 9.9 8.0 12.0





#28  
Fluoranthene  
Concen: 0.083 ng  
RT: 19.519 min Scan# 2117  
Delta R.T. -0.004 min  
Lab File: BN021752.D  
Acq: 14 Sep 2022 18:10

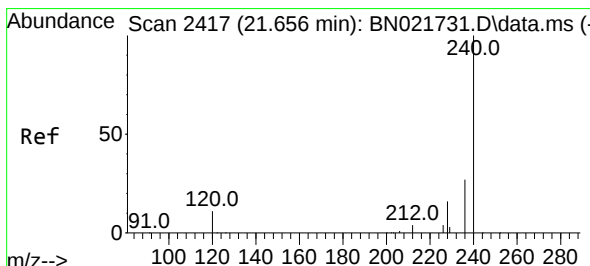
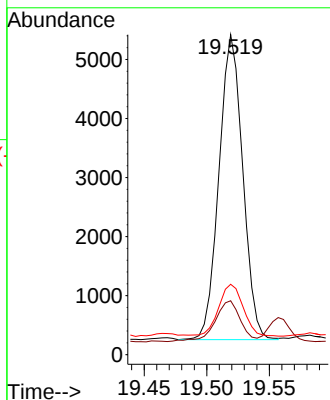
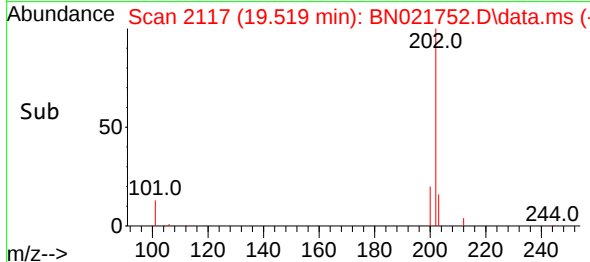
Instrument :  
BNA\_N  
ClientSampleId :  
MW-63



Tgt Ion:202 Resp: 681  
Ion Ratio Lower Upper  
202 100  
101 14.3 11.0 16.4  
203 17.7 13.7 20.5

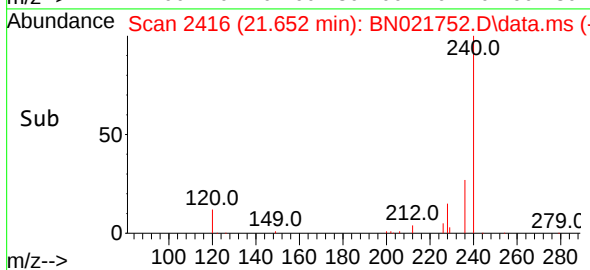
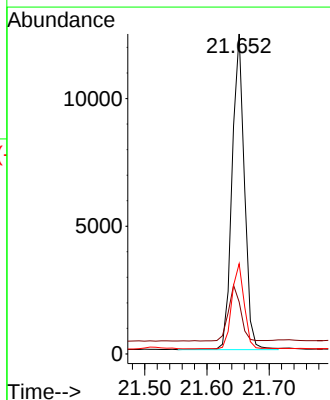
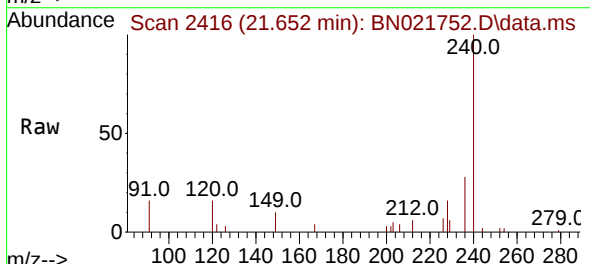
Manual Integrations  
APPROVED

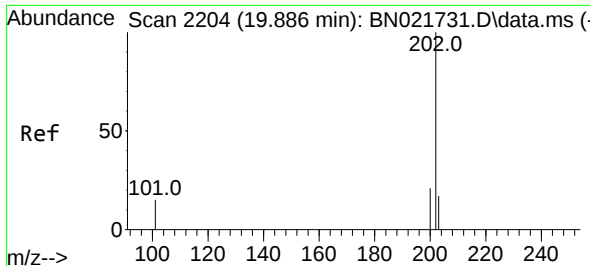
Reviewed By :Christian Giraldo 09/15/2022  
Supervised By :Jagrut Upadhyay 09/15/2022



#29  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.652 min Scan# 2416  
Delta R.T. -0.004 min  
Lab File: BN021752.D  
Acq: 14 Sep 2022 18:10

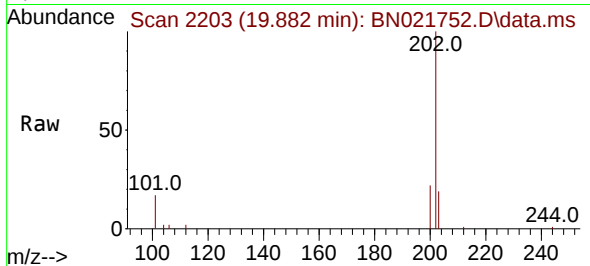
Tgt Ion:240 Resp: 16951  
Ion Ratio Lower Upper  
240 100  
120 16.3 9.8 14.8#  
236 28.2 22.2 33.4





#30  
Pyrene  
Concen: 0.300 ng  
RT: 19.882 min Scan# 21  
Delta R.T. -0.004 min  
Lab File: BN021752.D  
Acq: 14 Sep 2022 18:10

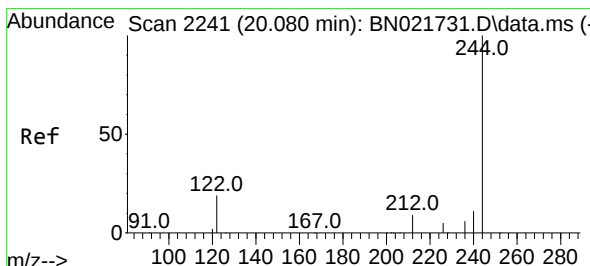
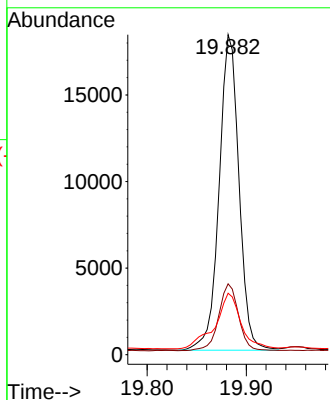
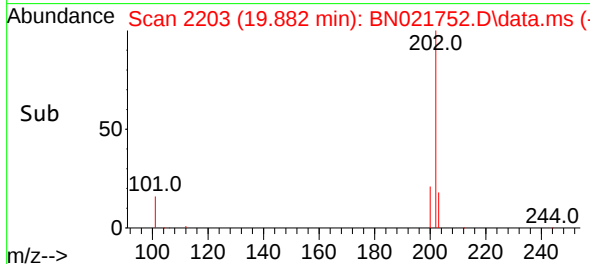
Instrument :  
BNA\_N  
ClientSampleId :  
MW-63



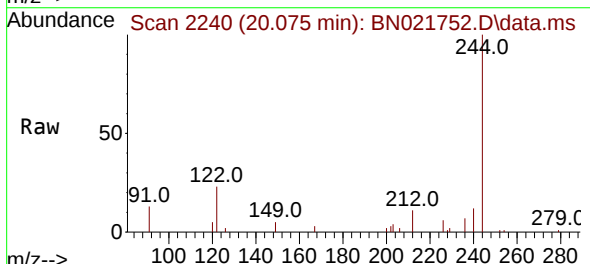
Tgt Ion:202 Resp: 2526  
Ion Ratio Lower Upper  
202 100  
200 21.1 15.0 22.4  
203 22.8 12.8 19.2

Manual Integrations  
APPROVED

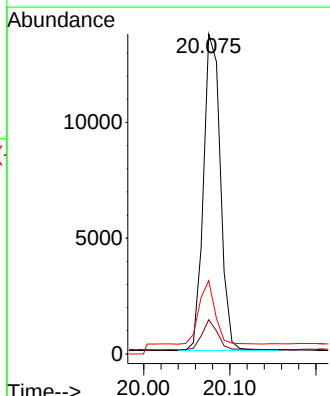
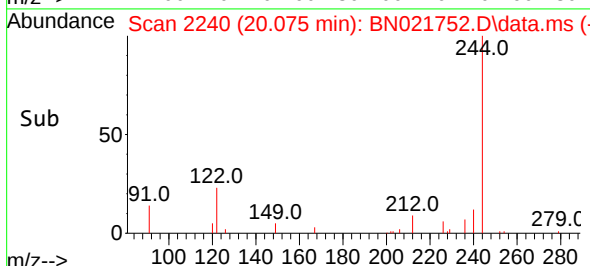
Reviewed By :Christian Giraldo 09/15/2022  
Supervised By :Jagrut Upadhyay 09/15/2022

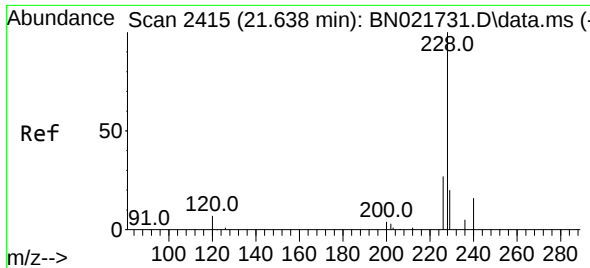


#31  
Terphenyl-d14  
Concen: 0.484 ng  
RT: 20.075 min Scan# 2240  
Delta R.T. -0.004 min  
Lab File: BN021752.D  
Acq: 14 Sep 2022 18:10



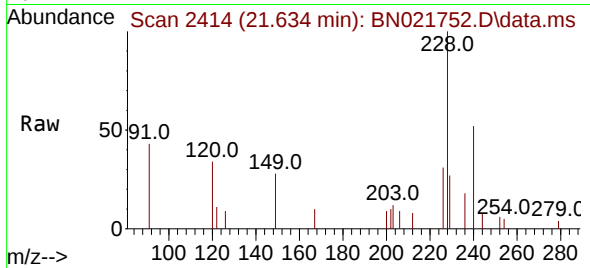
Tgt Ion:244 Resp: 18772  
Ion Ratio Lower Upper  
244 100  
212 10.7 7.9 11.9  
122 22.9 15.8 23.8





#32  
Benzo(a)anthracene  
Concen: 0.110 ng  
RT: 21.634 min Scan# 2415  
Delta R.T. -0.004 min  
Lab File: BN021752.D  
Acq: 14 Sep 2022 18:10

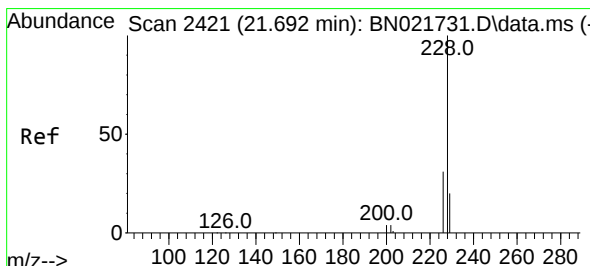
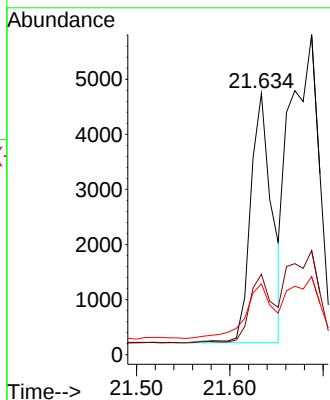
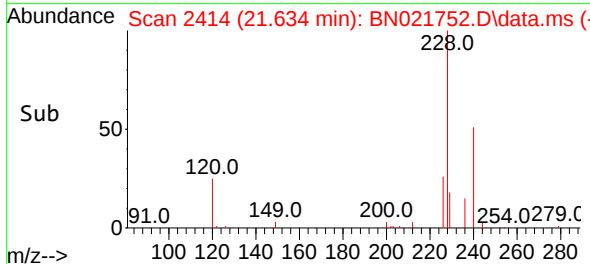
Instrument :  
BNA\_N  
ClientSampleId :  
MW-63



Tgt Ion:228 Resp: 716  
Ion Ratio Lower Upper  
228 100  
226 30.8 21.5 32.3  
229 27.2 15.8 23.8

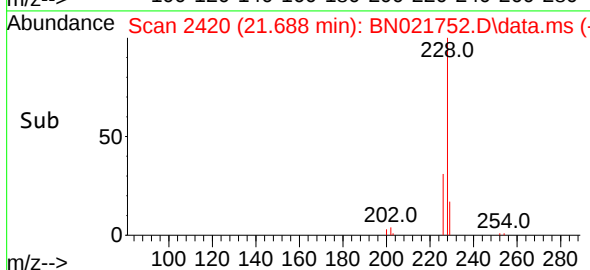
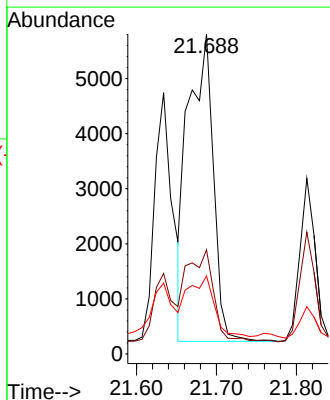
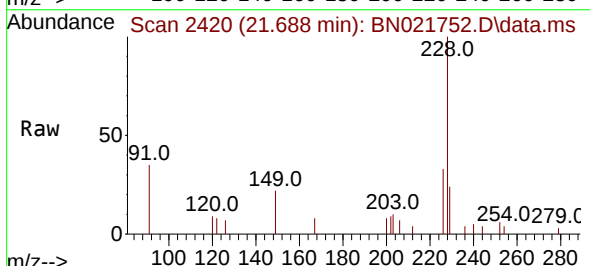
Manual Integrations  
APPROVED

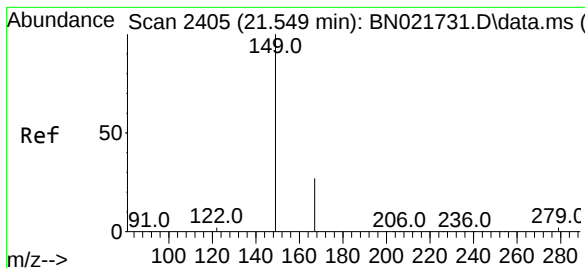
Reviewed By :Christian Giraldo 09/15/2022  
Supervised By :Jagrut Upadhyay 09/15/2022



#33  
Chrysene  
Concen: 0.181 ng  
RT: 21.688 min Scan# 2420  
Delta R.T. -0.004 min  
Lab File: BN021752.D  
Acq: 14 Sep 2022 18:10

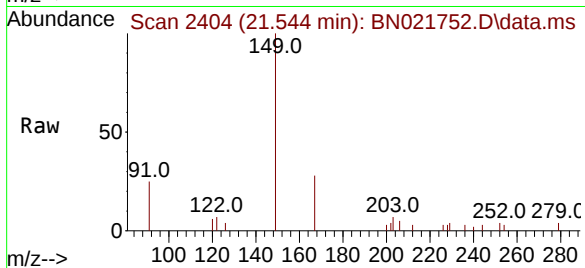
Tgt Ion:228 Resp: 12247  
Ion Ratio Lower Upper  
228 100  
226 32.5 24.5 36.7  
229 24.4 16.0 24.0





#34  
 Bis(2-ethylhexyl)phthalate  
 Concen: 0.193 ng  
 RT: 21.544 min Scan# 2404  
 Delta R.T. -0.004 min  
 Lab File: BN021752.D  
 Acq: 14 Sep 2022 18:10

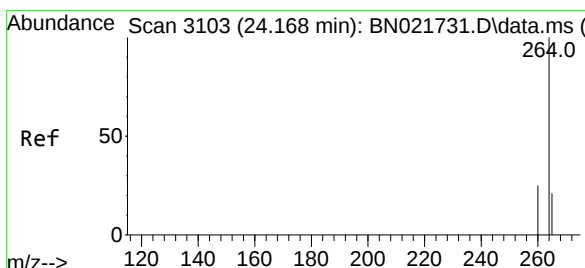
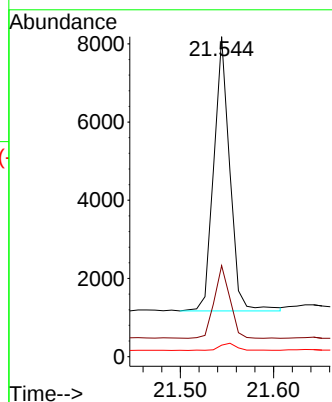
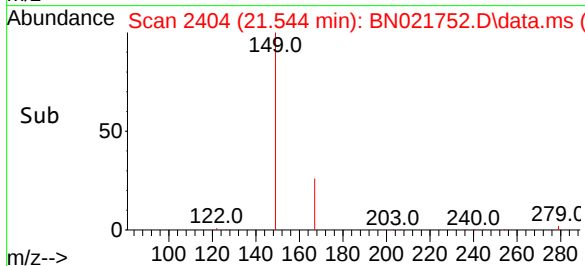
Instrument :  
 BNA\_N  
 ClientSampleId :  
 MW-63



Tgt Ion:149 Resp: 8375  
 Ion Ratio Lower Upper  
 149 100  
 167 25.7 20.8 31.2  
 279 2.8 2.1 3.1

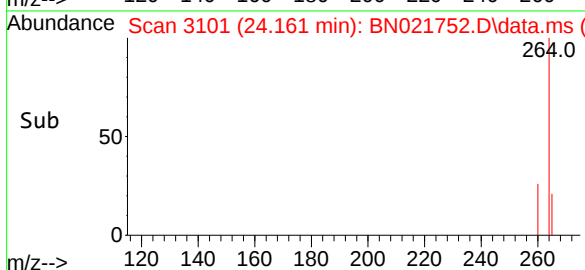
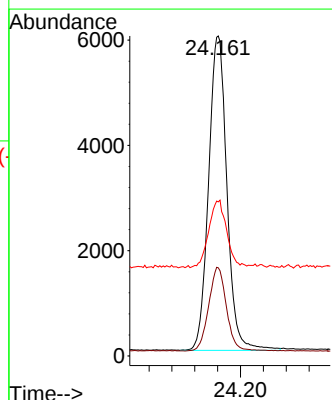
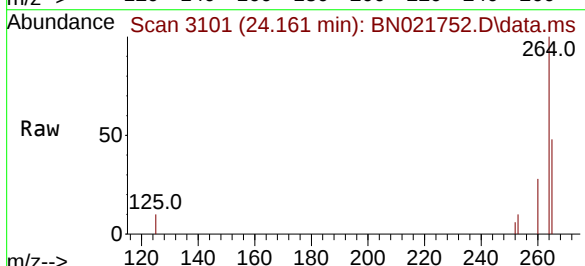
Manual Integrations  
 APPROVED

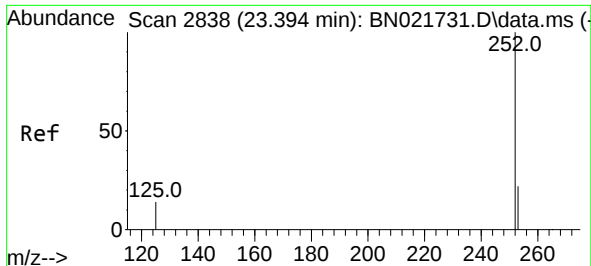
Reviewed By :Christian Giraldo 09/15/2022  
 Supervised By :Jagrut Upadhyay 09/15/2022



#35  
 Perylene-d12  
 Concen: 0.400 ng  
 RT: 24.161 min Scan# 3101  
 Delta R.T. -0.007 min  
 Lab File: BN021752.D  
 Acq: 14 Sep 2022 18:10

Tgt Ion:264 Resp: 13300  
 Ion Ratio Lower Upper  
 264 100  
 260 27.5 20.6 31.0  
 265 48.1 34.4 51.6





#37

Benzo(b)fluoranthene

Concen: 0.126 ng m

RT: 23.384 min Scan# 21

Delta R.T. -0.010 min

Lab File: BN021752.D

Acq: 14 Sep 2022 18:10

Instrument :

BN021752.D

ClientSampleId :

MW-63

Tgt Ion:252 Resp: 7628

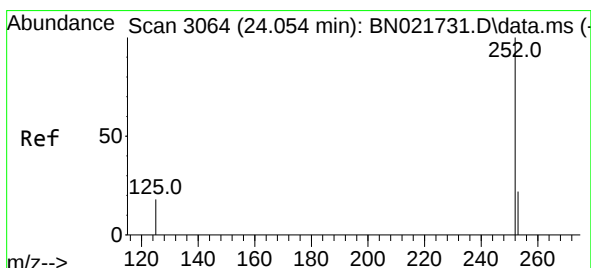
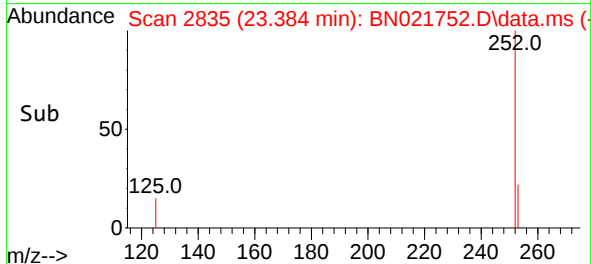
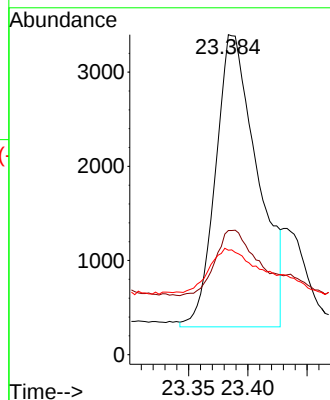
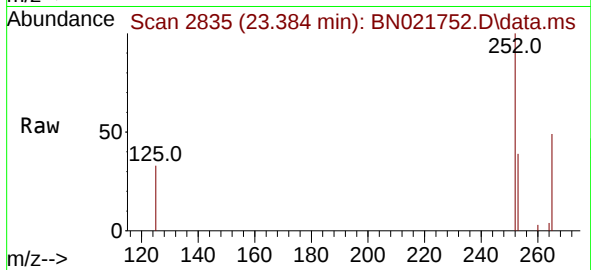
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 38.8  | 19.6  | 29.4  |
| 125 | 32.6  | 13.0  | 19.4  |

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 09/15/2022

Supervised By :Jagrut Upadhyay 09/15/2022



#39

Benzo(a)pyrene

Concen: 0.074 ng

RT: 24.044 min Scan# 3061

Delta R.T. -0.010 min

Lab File: BN021752.D

Acq: 14 Sep 2022 18:10

Tgt Ion:252 Resp: 3553

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 50.0  | 20.8  | 31.2  |
| 125 | 46.7  | 17.4  | 26.0  |

