

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN032222\  
 Data File : BN019078.D  
 Acq On : 23 Mar 2022 05:07  
 Operator : CG/JU  
 Sample : N2041-16  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 RE103D1-20220317

Manual Integrations  
 APPROVED

Reviewed By : Christian Giraldo 03/23/2022  
 Supervised By : Jagrut Upadhyay 03/23/2022

Quant Time: Mar 23 06:26:47 2022  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\8270-SIM-BN031722.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Mar 17 13:18:23 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.855  | 152  | 3981     | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.658 | 136  | 9851     | 0.400 | ng    | # 0.00   |
| 13) Acenaphthene-d10          | 14.485 | 164  | 5691     | 0.400 | ng    | -0.01    |
| 19) Phenanthrene-d10          | 17.236 | 188  | 11036    | 0.400 | ng    | 0.00     |
| 29) Chrysene-d12              | 21.422 | 240  | 9019     | 0.400 | ng    | # 0.00   |
| 35) Perylene-d12              | 23.788 | 264  | 7335     | 0.400 | ng    | # 0.00   |
|                               |        |      |          |       |       |          |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.406  | 112  | 1001     | 0.112 | ng    | 0.00     |
| 5) Phenol-d6                  | 7.024  | 99   | 466      | 0.050 | ng    | 0.01     |
| 8) Nitrobenzene-d5            | 9.014  | 82   | 1737m    | 0.244 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10   | 12.250 | 152  | 4752     | 0.291 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 15.985 | 330  | 629      | 0.229 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl          | 13.116 | 172  | 6905     | 0.303 | ng    | -0.01    |
| 27) Fluoranthene-d10          | 19.261 | 212  | 14071    | 0.430 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.860 | 244  | 8215     | 0.371 | ng    | 0.00     |
|                               |        |      |          |       |       |          |
| Target Compounds              |        |      |          |       |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.247  | 88   | 28361    | 5.764 | ng    | 96       |
| 34) Bis(2-ethylhexyl)phtha... | 21.333 | 149  | 2955     | 0.160 | ng    | # 100    |
| -----                         |        |      |          |       |       |          |

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

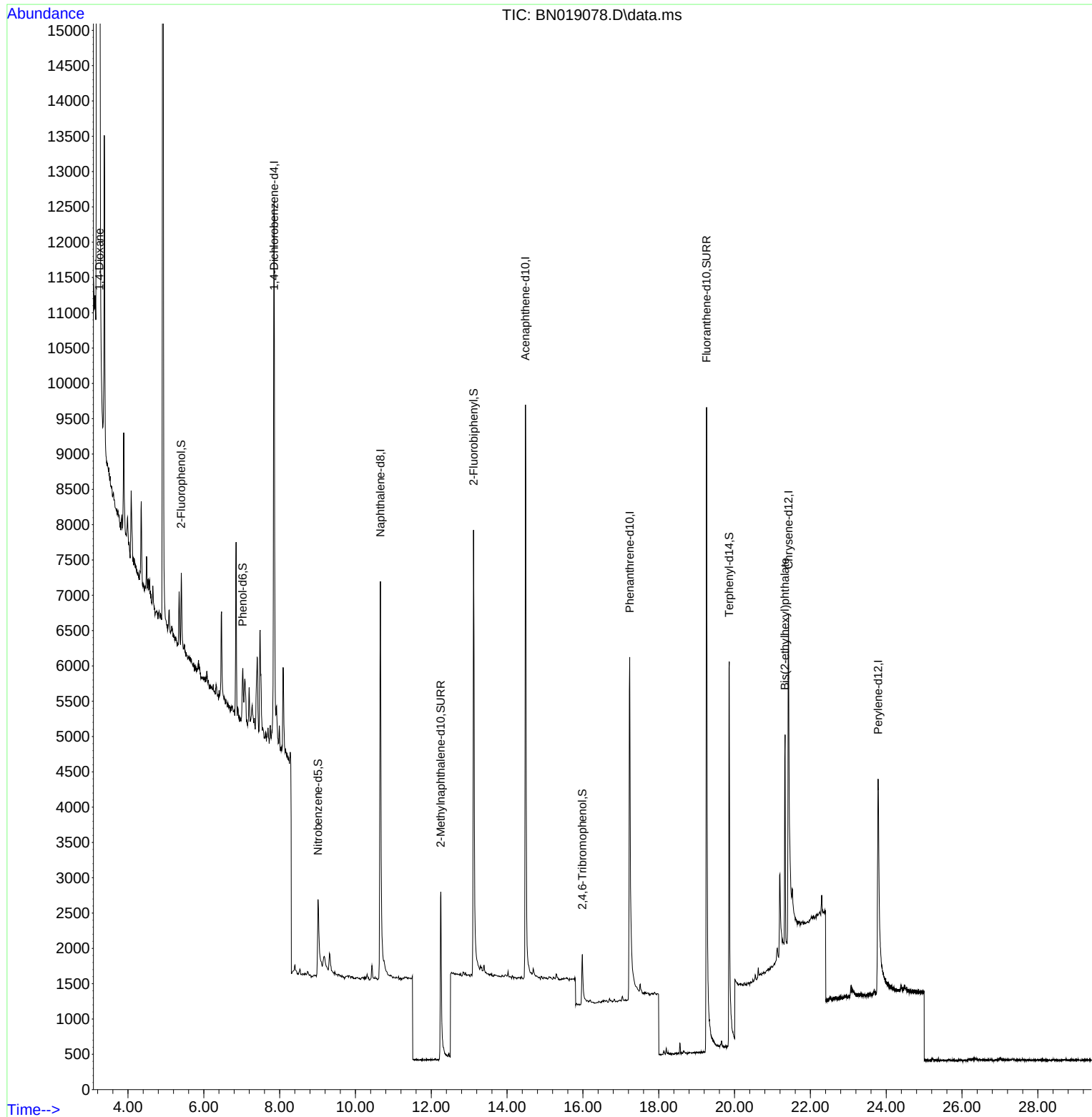
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN032222\  
Data File : BN019078.D  
Acq On : 23 Mar 2022 05:07  
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Sample : N2041-16  
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ALS Vial : 25 Sample Multiplier: 1

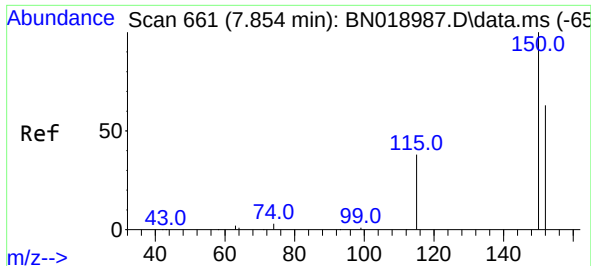
Instrument :  
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Quant Time: Mar 23 06:26:47 2022  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\8270-SIM-BN031722.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Mar 17 13:18:23 2022  
Response via : Initial Calibration

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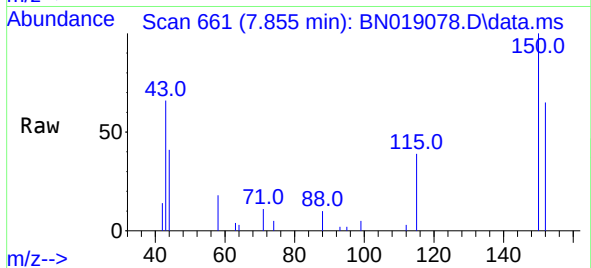
Reviewed By : Christian Giraldo 03/23/2022  
Supervised By : Jagrut Upadhyay 03/23/2022





#1  
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.855 min Scan# 661  
Delta R.T. 0.001 min  
Lab File: BN019078.D  
Acq: 23 Mar 2022 05:07

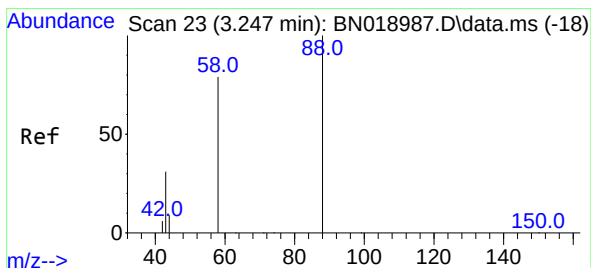
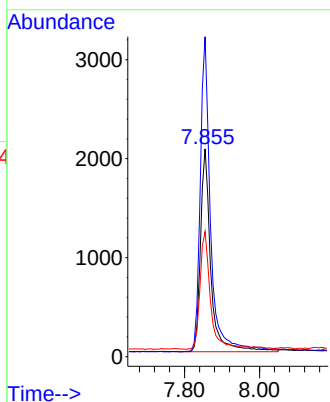
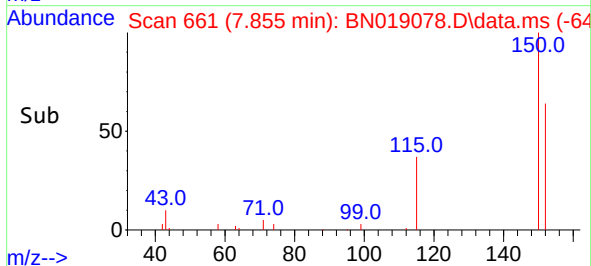
Instrument :  
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RE103D1-20220317



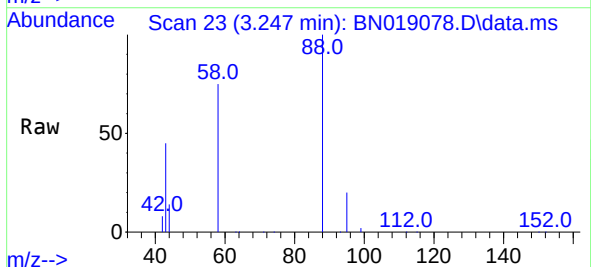
Tgt Ion: 152 Resp: 398  
Ion Ratio Lower Upper  
152 100  
150 153.9 123.9 185.9  
115 60.2 48.2 72.4

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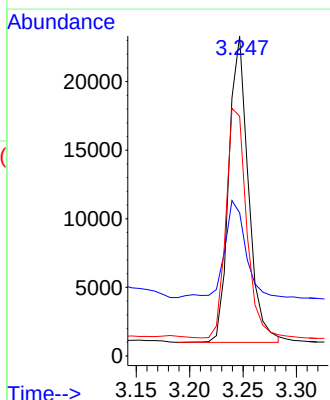
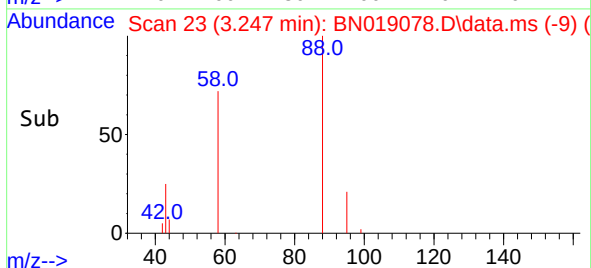
Reviewed By :Christian Giraldo 03/23/2022  
Supervised By :Jagrut Upadhyay 03/23/2022

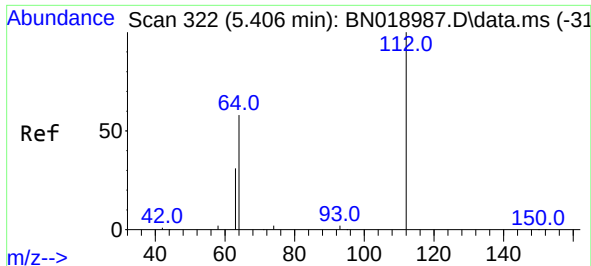


#2  
1,4-Dioxane  
Concen: 5.764 ng  
RT: 3.247 min Scan# 23  
Delta R.T. 0.000 min  
Lab File: BN019078.D  
Acq: 23 Mar 2022 05:07



Tgt Ion: 88 Resp: 28361  
Ion Ratio Lower Upper  
88 100  
43 33.9 24.6 37.0  
58 79.2 65.4 98.2





#4

2-Fluorophenol

Concen: 0.112 ng

RT: 5.406 min Scan# 31

Delta R.T. 0.000 min

Lab File: BN019078.D

Acq: 23 Mar 2022 05:07

Instrument :

BNA\_N

ClientSampleId :

RE103D1-20220317

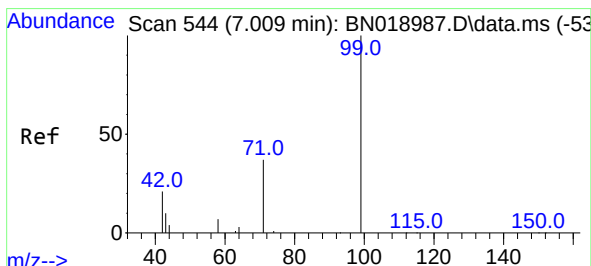
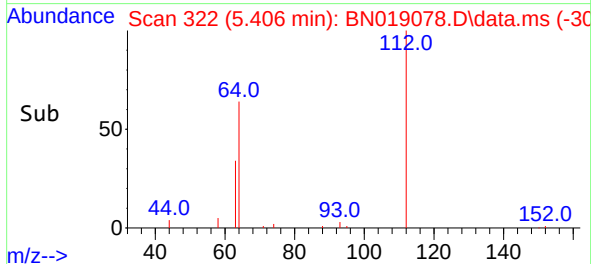
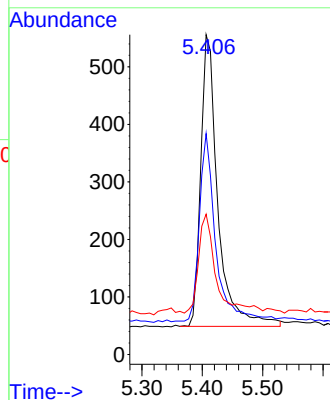
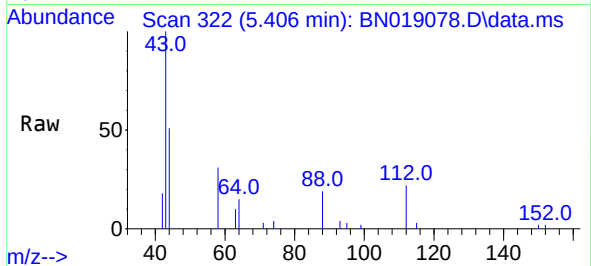
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 112   | Resp: | 100   |
| Ion      | Ratio | Lower | Upper |
| 112      | 100   |       |       |
| 64       | 61.1  | 47.8  | 71.8  |
| 63       | 34.8  | 25.7  | 38.5  |

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#5

Phenol-d6

Concen: 0.050 ng

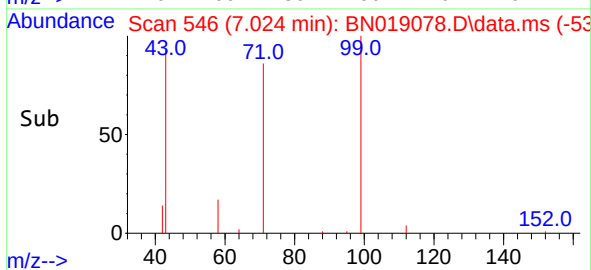
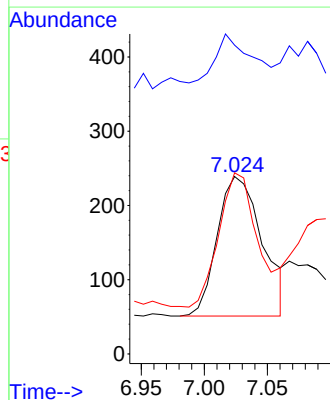
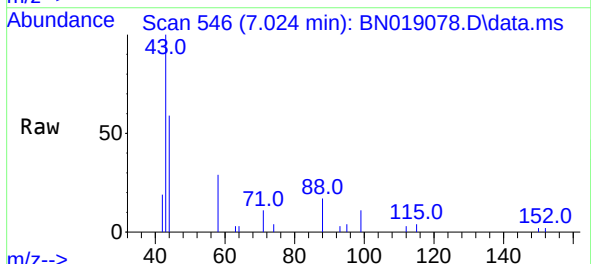
RT: 7.024 min Scan# 546

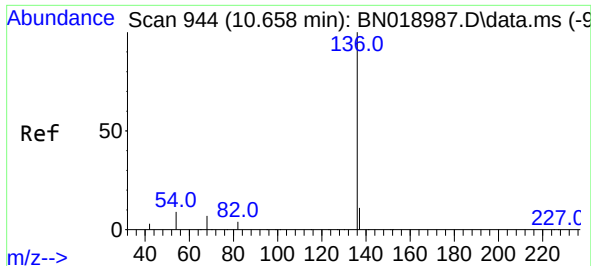
Delta R.T. 0.015 min

Lab File: BN019078.D

Acq: 23 Mar 2022 05:07

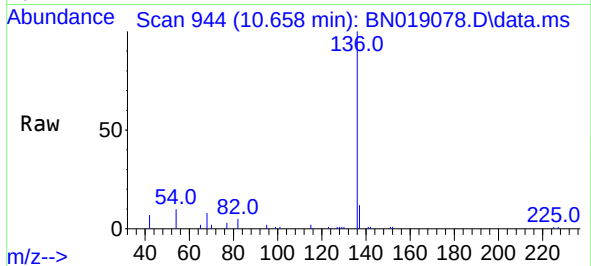
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 99    | Resp: | 466   |
| Ion      | Ratio | Lower | Upper |
| 99       | 100   |       |       |
| 42       | 27.5  | 16.2  | 24.4# |
| 71       | 79.0  | 27.7  | 41.5# |





#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.658 min Scan# 944  
Delta R.T. 0.000 min  
Lab File: BN019078.D  
Acq: 23 Mar 2022 05:07

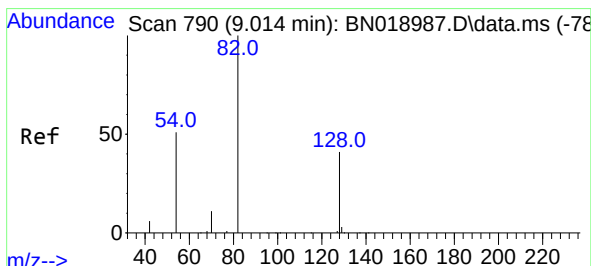
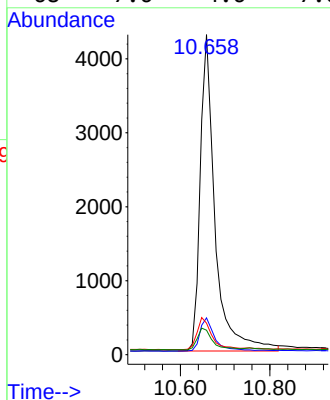
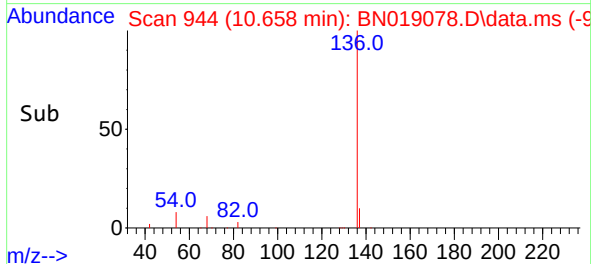
Instrument :  
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RE103D1-20220317



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 136   | Resp: | 985   |
| Ion      | Ratio | Lower | Upper |
| 136      | 100   |       |       |
| 137      | 11.5  | 9.0   | 13.4  |
| 54       | 9.9   | 5.8   | 8.6   |
| 68       | 7.6   | 4.6   | 7.0   |

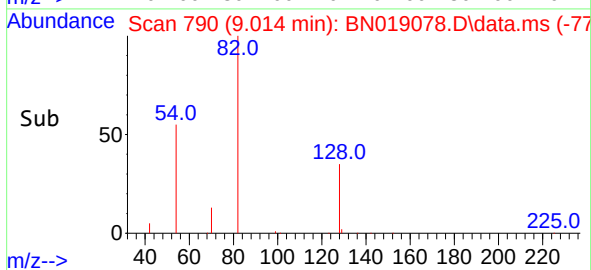
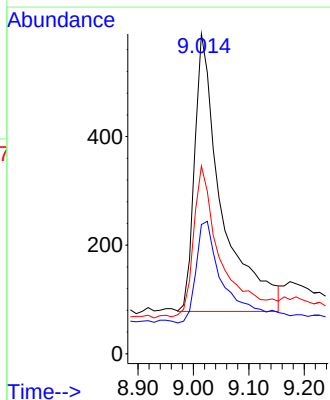
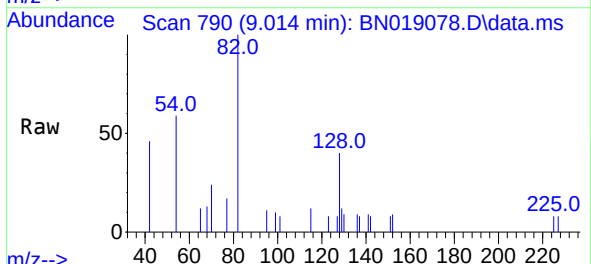
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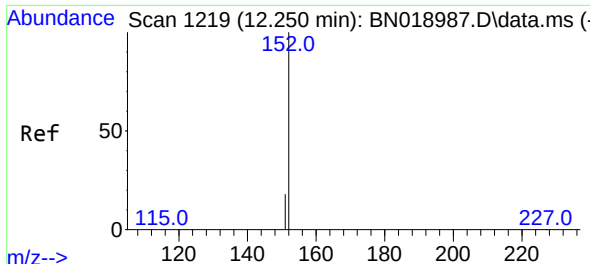
Reviewed By :Christian Giraldo 03/23/2022  
Supervised By :Jagrut Upadhyay 03/23/2022



#8  
Nitrobenzene-d5  
Concen: 0.244 ng m  
RT: 9.014 min Scan# 790  
Delta R.T. 0.000 min  
Lab File: BN019078.D  
Acq: 23 Mar 2022 05:07

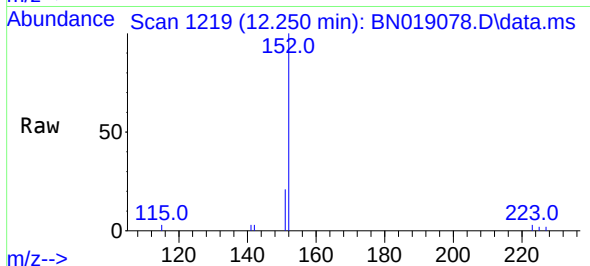
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 82    | Resp: | 1737  |
| Ion      | Ratio | Lower | Upper |
| 82       | 100   |       |       |
| 128      | 40.4  | 33.0  | 49.6  |
| 54       | 58.7  | 42.5  | 63.7  |





#11  
2-Methylnaphthalene-d10  
Concen: 0.291 ng  
RT: 12.250 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BN019078.D  
Acq: 23 Mar 2022 05:07

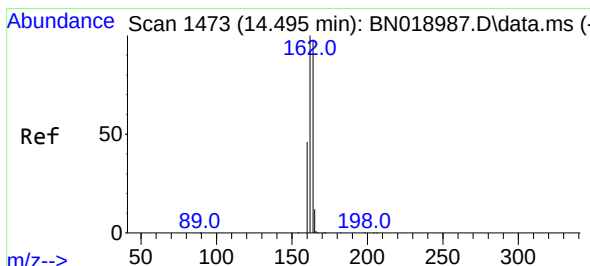
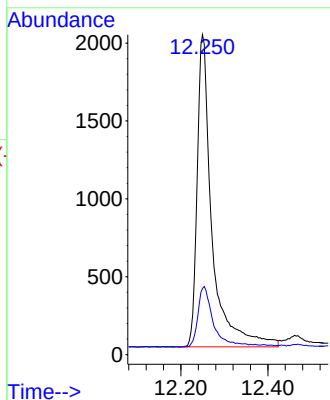
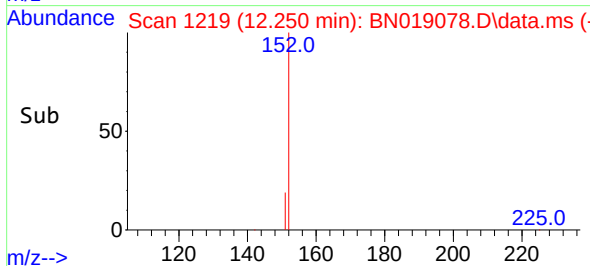
Instrument :  
BNA\_N  
ClientSampleId :  
RE103D1-20220317



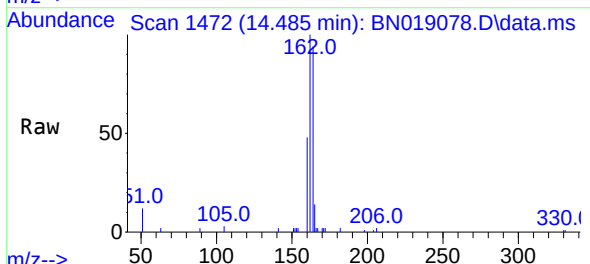
Tgt Ion:152 Resp: 4752  
Ion Ratio Lower Upper  
152 100  
151 19.7 16.5 24.7

Manual Integrations  
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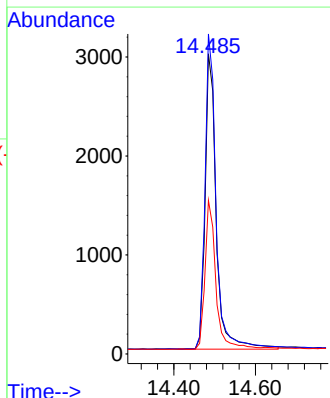
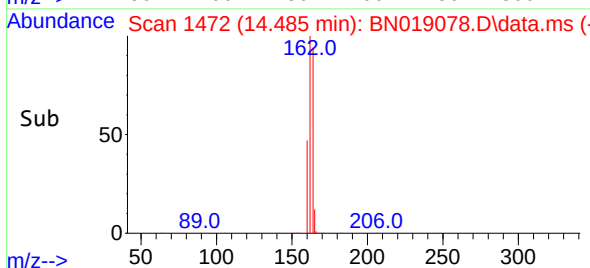
Reviewed By :Christian Giraldo 03/23/2022  
Supervised By :Jagrut Upadhyay 03/23/2022

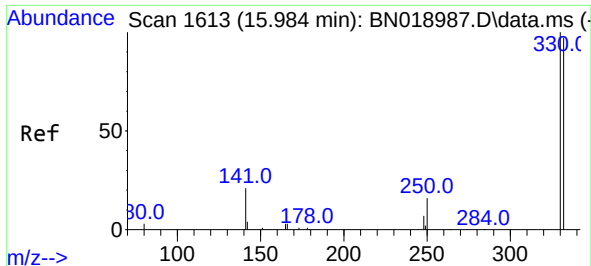


#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.485 min Scan# 1472  
Delta R.T. -0.011 min  
Lab File: BN019078.D  
Acq: 23 Mar 2022 05:07



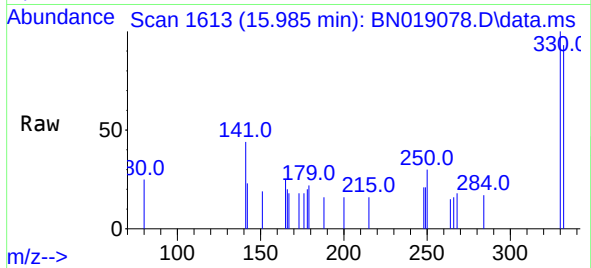
Tgt Ion:164 Resp: 5691  
Ion Ratio Lower Upper  
164 100  
162 106.6 85.2 127.8  
160 51.2 41.5 62.3





#14  
2,4,6-Tribromophenol  
Concen: 0.229 ng  
RT: 15.985 min Scan# 1613  
Delta R.T. 0.000 min  
Lab File: BN019078.D  
Acq: 23 Mar 2022 05:07

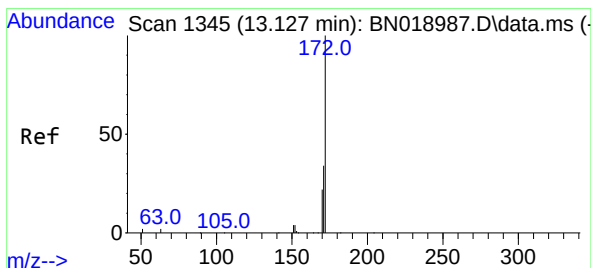
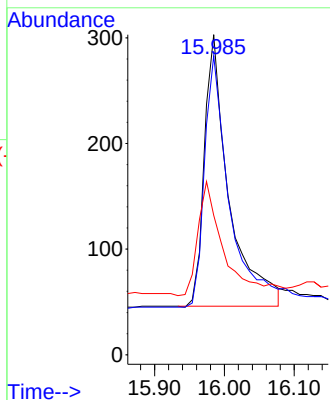
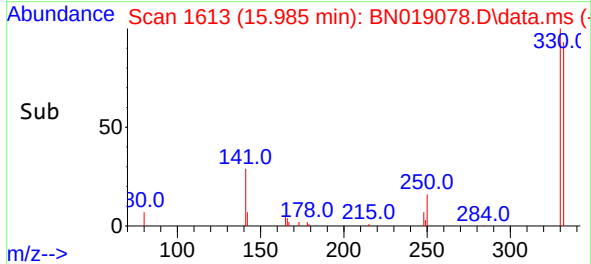
Instrument :  
BNA\_N  
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RE103D1-20220317



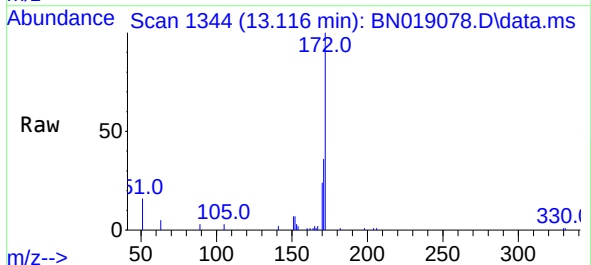
Tgt Ion:330 Resp: 629  
Ion Ratio Lower Upper  
330 100  
332 95.1 76.8 115.2  
141 43.9 32.2 48.2

Manual Integrations  
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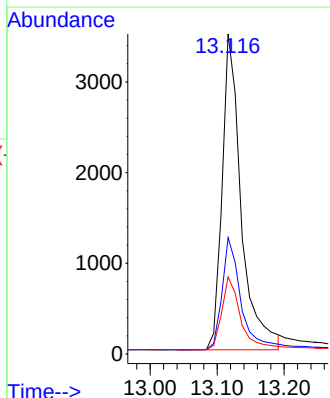
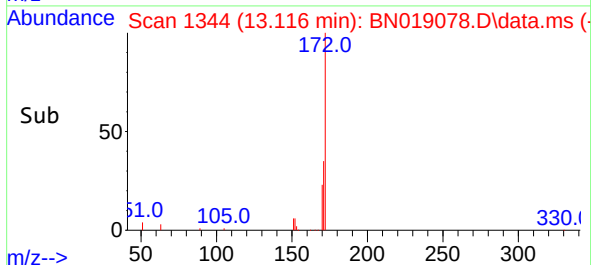
Reviewed By :Christian Giraldo 03/23/2022  
Supervised By :Jagrut Upadhyay 03/23/2022

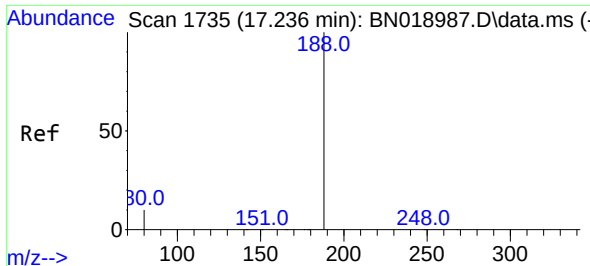


#15  
2-Fluorobiphenyl  
Concen: 0.303 ng  
RT: 13.116 min Scan# 1344  
Delta R.T. -0.011 min  
Lab File: BN019078.D  
Acq: 23 Mar 2022 05:07



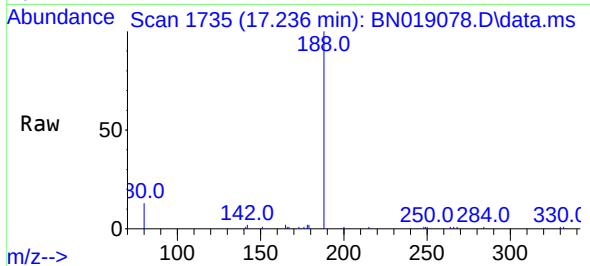
Tgt Ion:172 Resp: 6905  
Ion Ratio Lower Upper  
172 100  
171 36.3 28.2 42.2  
170 24.1 18.7 28.1





#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.236 min Scan# 1103  
Delta R.T. -0.000 min  
Lab File: BN019078.D  
Acq: 23 Mar 2022 05:07

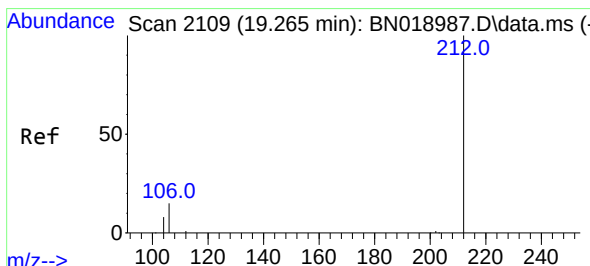
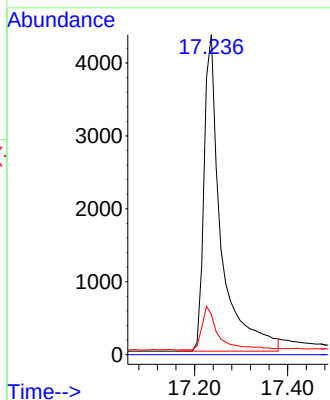
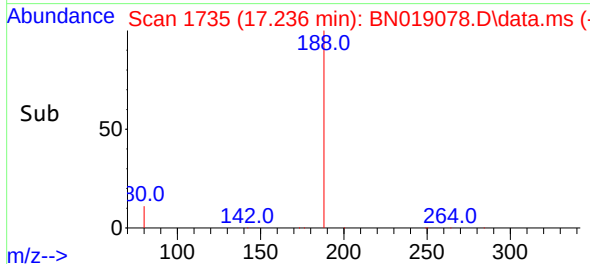
Instrument :  
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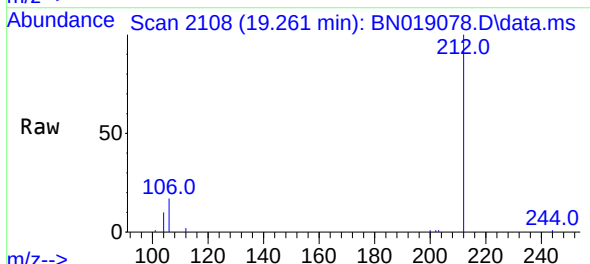
Tgt Ion:188 Resp: 11030  
Ion Ratio Lower Upper  
188 100  
94 0.0 0.0 0.0  
80 12.5 11.8 17.8

Manual Integrations  
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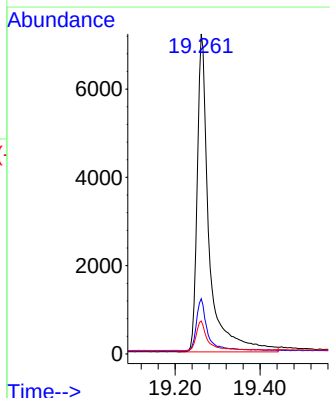
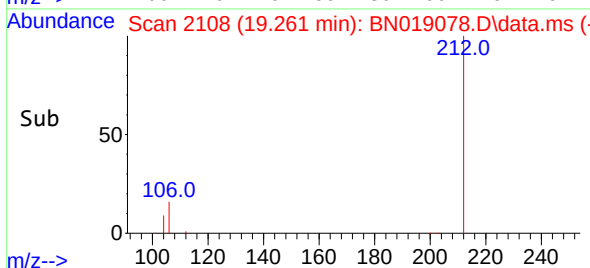
Reviewed By :Christian Giraldo 03/23/2022  
Supervised By :Jagrut Upadhyay 03/23/2022



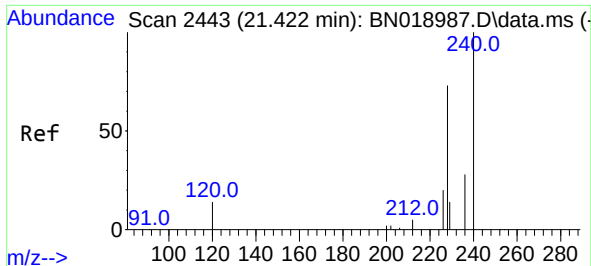
#27  
Fluoranthene-d10  
Concen: 0.430 ng  
RT: 19.261 min Scan# 2108  
Delta R.T. -0.004 min  
Lab File: BN019078.D  
Acq: 23 Mar 2022 05:07



Tgt Ion:212 Resp: 14071  
Ion Ratio Lower Upper  
212 100  
106 15.7 12.7 19.1  
104 9.1 7.1 10.7

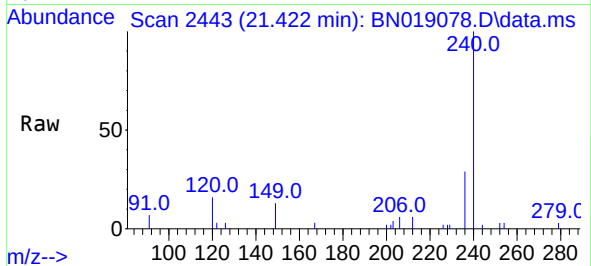






#29  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.422 min Scan# 2443  
Delta R.T. 0.000 min  
Lab File: BN019078.D  
Acq: 23 Mar 2022 05:07

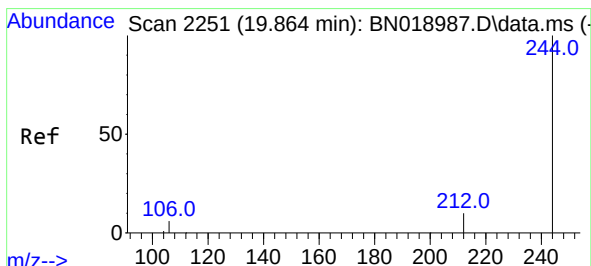
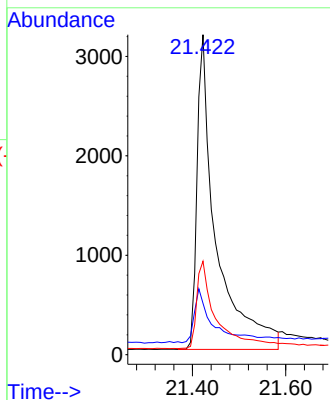
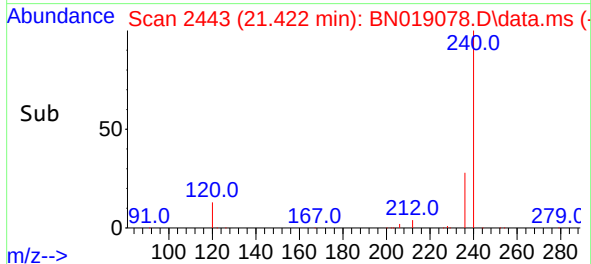
Instrument :  
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ClientSampleId :  
RE103D1-20220317



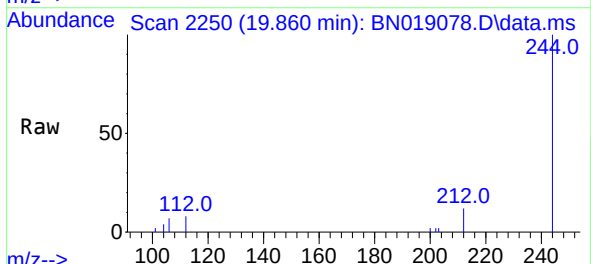
Tgt Ion:240 Resp: 9015  
Ion Ratio Lower Upper  
240 100  
120 16.1 8.5 12.7  
236 29.2 22.4 33.6

Manual Integrations  
APPROVED

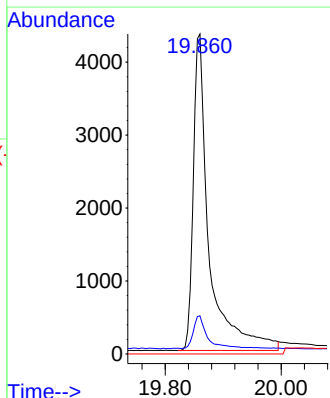
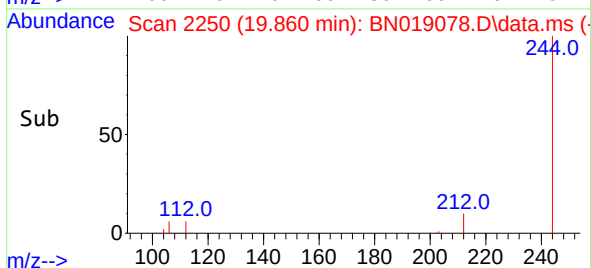
Reviewed By :Christian Giraldo 03/23/2022  
Supervised By :Jagrut Upadhyay 03/23/2022

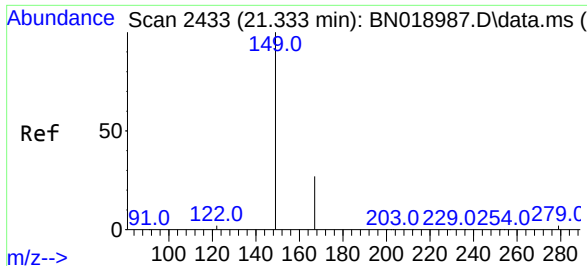


#31  
Terphenyl-d14  
Concen: 0.371 ng  
RT: 19.860 min Scan# 2250  
Delta R.T. -0.004 min  
Lab File: BN019078.D  
Acq: 23 Mar 2022 05:07



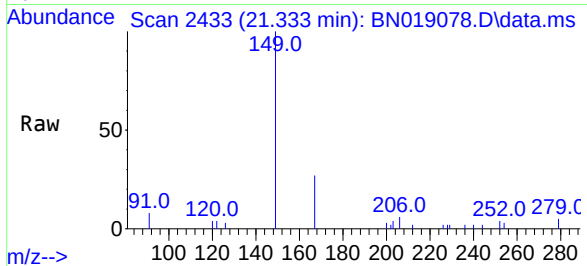
Tgt Ion:244 Resp: 8215  
Ion Ratio Lower Upper  
244 100  
212 11.9 8.2 12.4  
122 0.0 0.0 0.0





#34  
Bis(2-ethylhexyl)phthalate  
Concen: 0.160 ng  
RT: 21.333 min Scan# 2433  
Delta R.T. 0.000 min  
Lab File: BN019078.D  
Acq: 23 Mar 2022 05:07

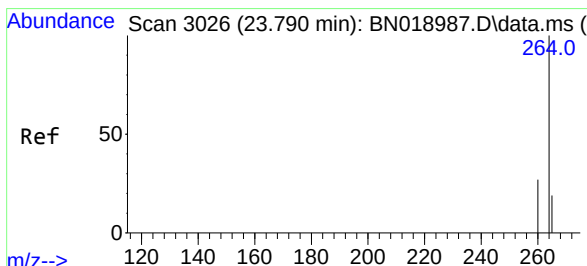
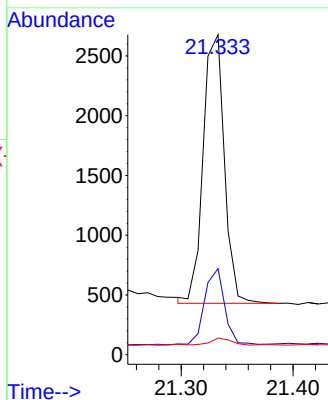
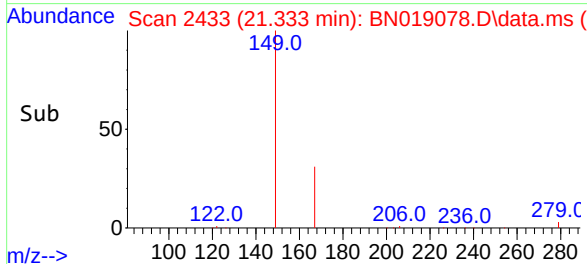
Instrument :  
BNA\_N  
ClientSampleId :  
RE103D1-20220317



Tgt Ion:149 Resp: 295  
Ion Ratio Lower Upper  
149 100  
167 27.1 21.8 32.8  
279 3.1 2.0 3.0

Manual Integrations  
APPROVED

Reviewed By :Christian Giraldo 03/23/2022  
Supervised By :Jagrut Upadhyay 03/23/2022



#35  
Perylene-d12  
Concen: 0.400 ng  
RT: 23.788 min Scan# 3025  
Delta R.T. -0.003 min  
Lab File: BN019078.D  
Acq: 23 Mar 2022 05:07

Tgt Ion:264 Resp: 7335  
Ion Ratio Lower Upper  
264 100  
260 28.8 22.4 33.6  
265 49.1 25.3 37.9

