

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN120221\  
 Data File : BN017689.D  
 Acq On : 02 Dec 2021 19:26  
 Operator : CG/JU  
 Sample : M4867-09  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 BP-VPB-RW9-GW-898-900

Quant Time: Dec 03 02:25:23 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\8270-SIM-BN113021.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Dec 02 01:51:49 2021  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 12/03/2021  
 Supervised By :mohammad ahmed 12/05/2021

| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.727  | 152  | 17985    | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.509 | 136  | 74510    | 0.400 | ng    | # 0.00   |
| 13) Acenaphthene-d10          | 14.346 | 164  | 47528    | 0.400 | ng    | -0.01    |
| 19) Phenanthrene-d10          | 17.092 | 188  | 101697   | 0.400 | ng    | #-0.01   |
| 29) Chrysene-d12              | 21.293 | 240  | 104487   | 0.400 | ng    | # 0.01   |
| 35) Perylene-d12              | 23.595 | 264  | 113724   | 0.400 | ng    | 0.01     |
|                               |        |      |          |       |       |          |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.339  | 112  | 2488     | 0.061 | ng    | 0.00     |
| 5) Phenol-d6                  | 6.906  | 99   | 1867     | 0.043 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 8.862  | 82   | 9720     | 0.307 | ng    | -0.01    |
| 11) 2-Methylnaphthalene-d10   | 12.098 | 152  | 26955    | 0.207 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 15.843 | 330  | 3111     | 0.229 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl          | 12.976 | 172  | 40557    | 0.219 | ng    | -0.01    |
| 27) Fluoranthene-d10          | 19.134 | 212  | 52148    | 0.164 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.739 | 244  | 44013    | 0.192 | ng    | 0.00     |
|                               |        |      |          |       |       |          |
| Target Compounds              |        |      |          |       |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.292  | 88   | 1165m    | 0.096 | ng    |          |
| 9) Naphthalene                | 10.560 | 128  | 6708     | 0.036 | ng    | # 95     |
| 34) Bis(2-ethylhexyl)phtha... | 21.218 | 149  | 39104    | 0.519 | ng    | # 93     |
| -----                         |        |      |          |       |       |          |

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

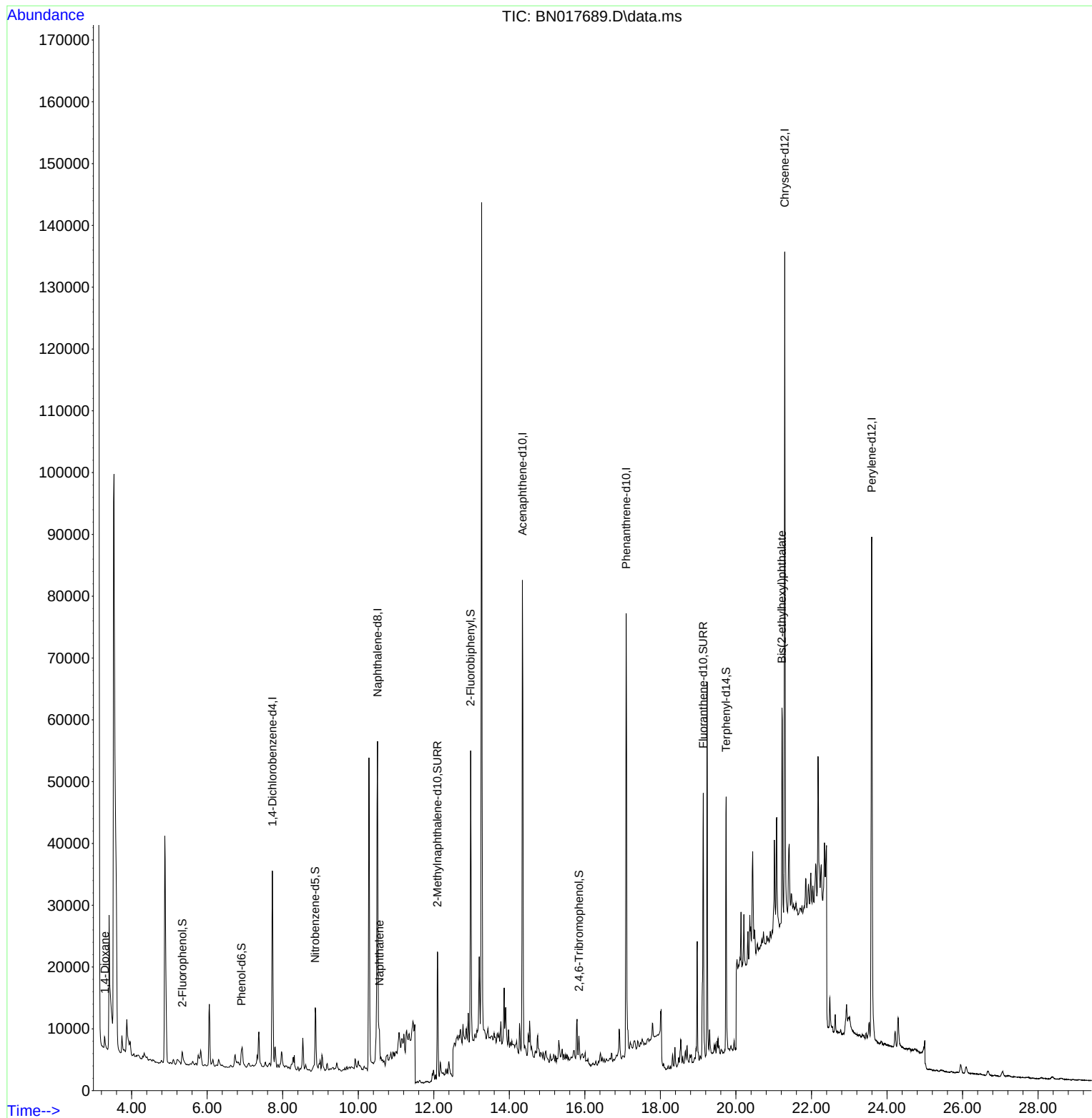
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN120221\  
Data File : BN017689.D  
Acq On : 02 Dec 2021 19:26  
Operator : CG/JU  
Sample : M4867-09  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

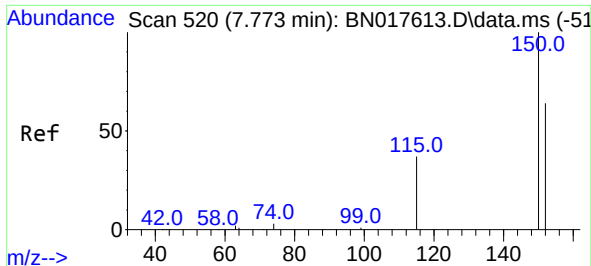
Instrument :  
BNA\_N  
ClientSampleId :  
BP-VPB-RW9-GW-898-900

Quant Time: Dec 03 02:25:23 2021  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\8270-SIM-BN113021.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Dec 02 01:51:49 2021  
Response via : Initial Calibration

Manual Integrations  
APPROVED

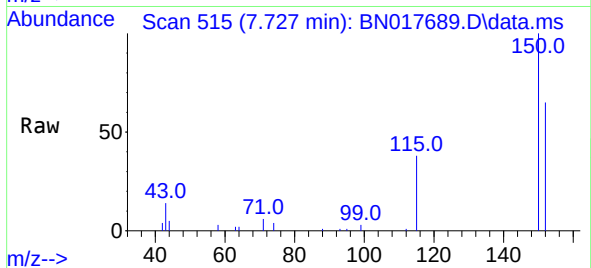
Reviewed By :Jagrut Upadhyay 12/03/2021  
Supervised By :mohammad ahmed 12/05/2021





#1  
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.727 min Scan# 51  
Delta R.T. -0.009 min  
Lab File: BN017689.D  
Acq: 02 Dec 2021 19:26

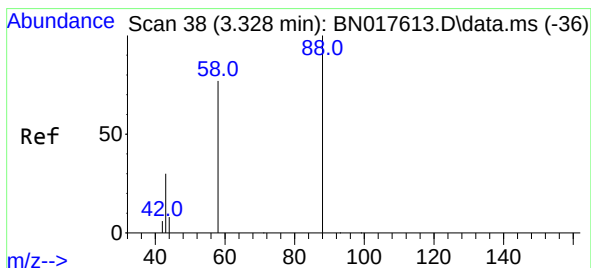
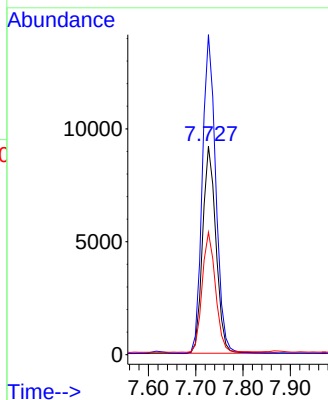
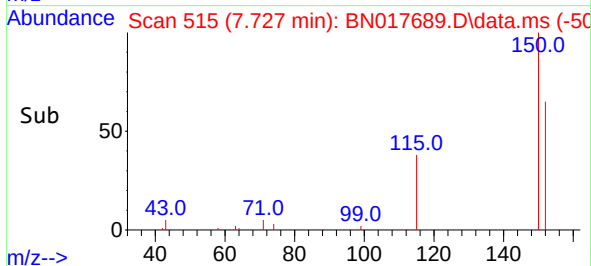
Instrument :  
BNA\_N  
ClientSampleId :  
BP-VPB-RW9-GW-898-900



Tgt Ion:152 Resp: 1798  
Ion Ratio Lower Upper  
152 100  
150 153.5 123.0 184.4  
115 58.7 45.6 68.4

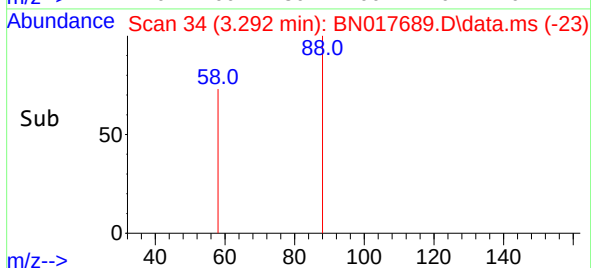
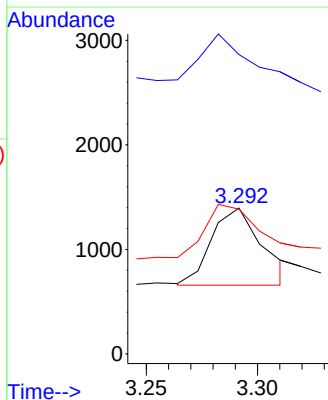
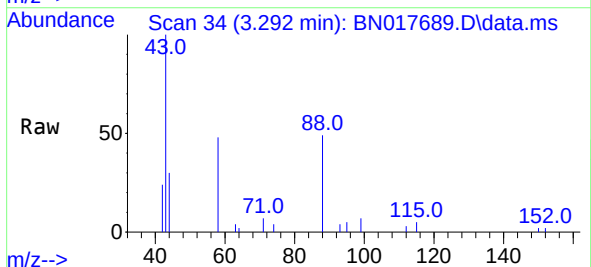
Manual Integrations  
APPROVED

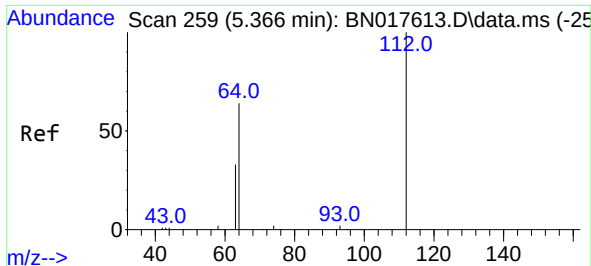
Reviewed By :Jagrut Upadhyay 12/03/2021  
Supervised By :mohammad ahmed 12/05/2021



#2  
1,4-Dioxane  
Concen: 0.096 ng m  
RT: 3.292 min Scan# 34  
Delta R.T. 0.000 min  
Lab File: BN017689.D  
Acq: 02 Dec 2021 19:26

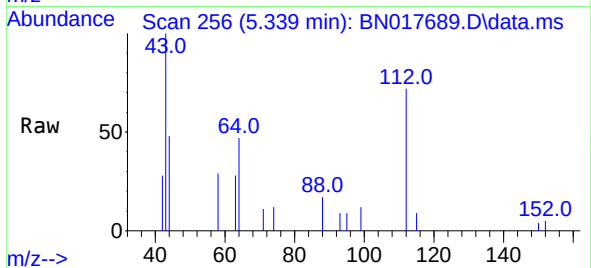
Tgt Ion: 88 Resp: 1165  
Ion Ratio Lower Upper  
88 100  
43 57.6 24.7 37.1#  
58 84.1 63.0 94.6





#4  
2-Fluorophenol  
Concen: 0.061 ng  
RT: 5.339 min Scan# 21  
Delta R.T. -0.009 min  
Lab File: BN017689.D  
Acq: 02 Dec 2021 19:26

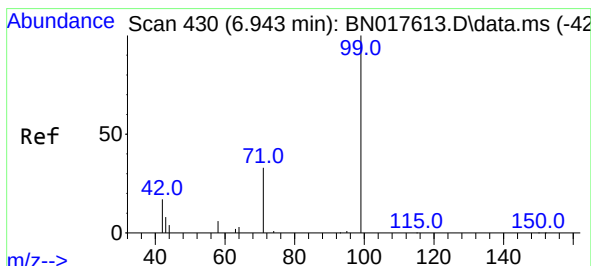
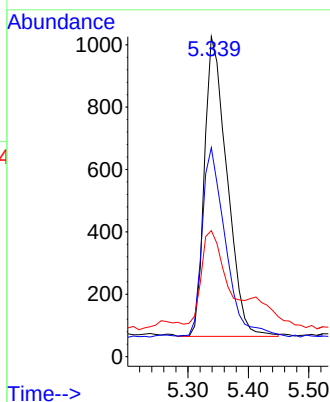
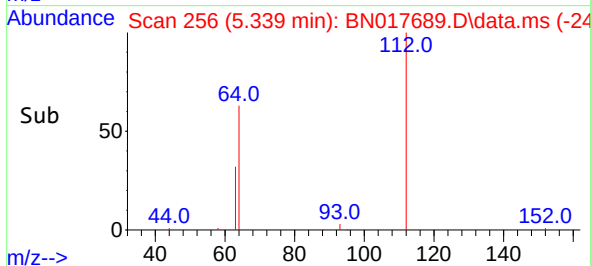
Instrument :  
BNA\_N  
ClientSampleId :  
BP-VPB-RW9-GW-898-900



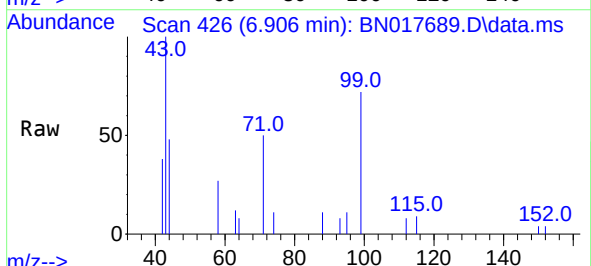
Tgt Ion:112 Resp: 248  
Ion Ratio Lower Upper  
112 100  
64 64.5 47.6 71.4  
63 34.3 24.6 37.0

Manual Integrations  
APPROVED

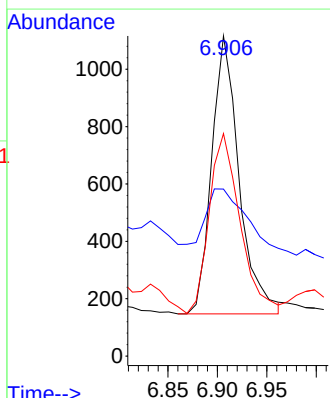
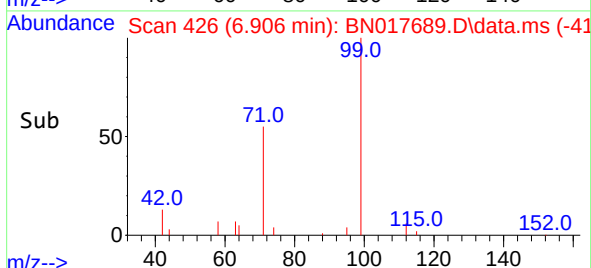
Reviewed By :Jagrut Upadhyay 12/03/2021  
Supervised By :mohammad ahmed 12/05/2021

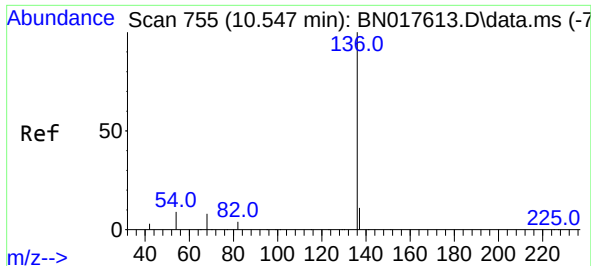


#5  
Phenol-d6  
Concen: 0.043 ng  
RT: 6.906 min Scan# 426  
Delta R.T. 0.000 min  
Lab File: BN017689.D  
Acq: 02 Dec 2021 19:26



Tgt Ion: 99 Resp: 1867  
Ion Ratio Lower Upper  
99 100  
42 29.5 17.0 25.6#  
71 72.7 24.8 37.2#





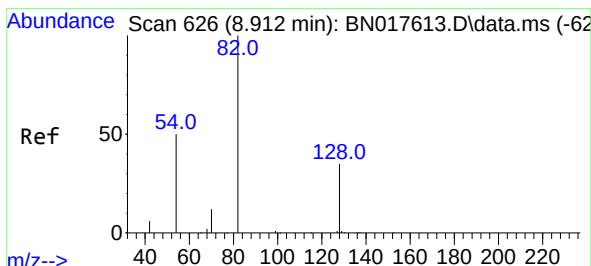
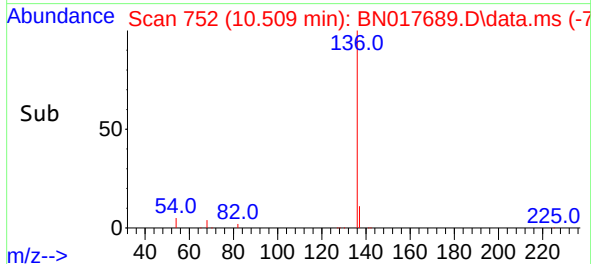
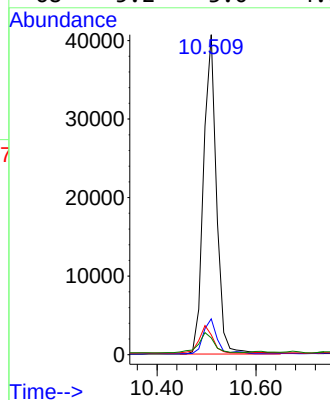
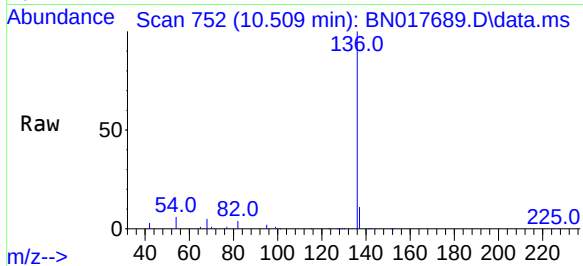
#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.509 min Scan# 752  
Delta R.T. 0.000 min  
Lab File: BN017689.D  
Acq: 02 Dec 2021 19:26

Instrument :  
BNA\_N  
ClientSampleId :  
BP-VPB-RW9-GW-898-900

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 136   | Resp: | 74510 |
| Ion Ratio | Lower | Upper |       |
| 136       | 100   |       |       |
| 137       | 11.2  | 8.8   | 13.2  |
| 54        | 6.2   | 4.0   | 6.0   |
| 68        | 5.2   | 3.0   | 4.6   |

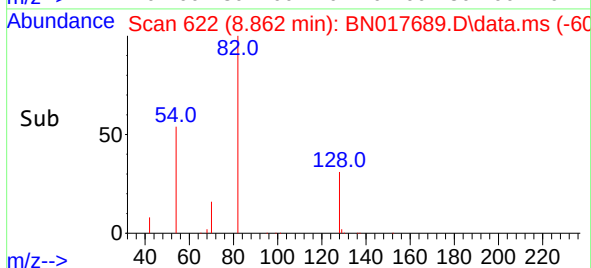
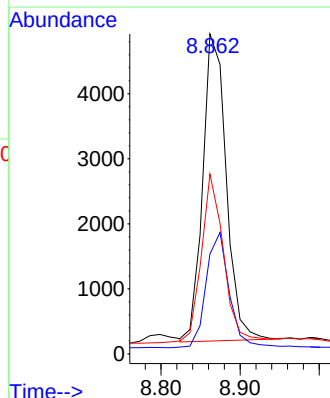
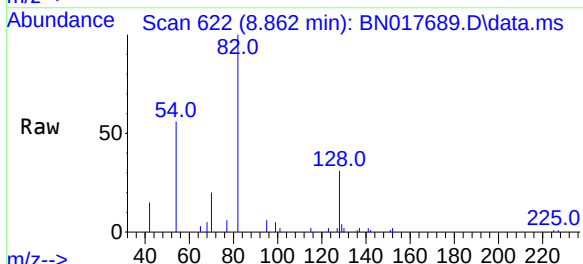
Manual Integrations  
APPROVED

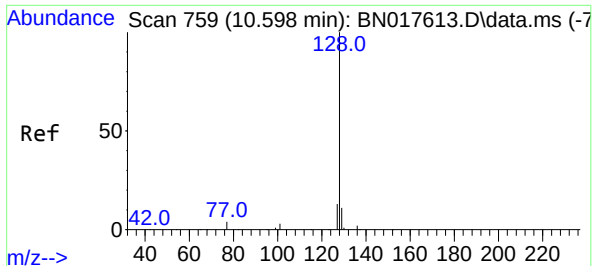
Reviewed By :Jagrut Upadhyay 12/03/2021  
Supervised By :mohammad ahmed 12/05/2021



#8  
Nitrobenzene-d5  
Concen: 0.307 ng  
RT: 8.862 min Scan# 622  
Delta R.T. -0.013 min  
Lab File: BN017689.D  
Acq: 02 Dec 2021 19:26

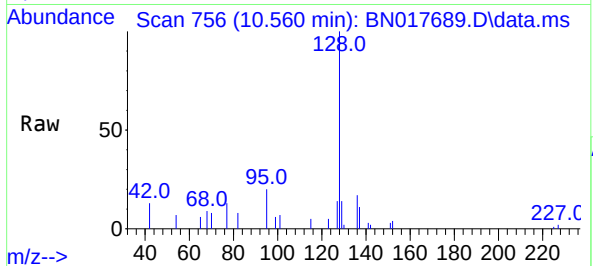
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 82    | Resp: | 9720 |
| Ion Ratio | Lower | Upper |      |
| 82        | 100   |       |      |
| 128       | 31.3  | 27.7  | 41.5 |
| 54        | 56.2  | 49.2  | 73.8 |





#9  
Naphthalene  
Concen: 0.036 ng  
RT: 10.560 min Scan# 71  
Delta R.T. 0.000 min  
Lab File: BN017689.D  
Acq: 02 Dec 2021 19:26

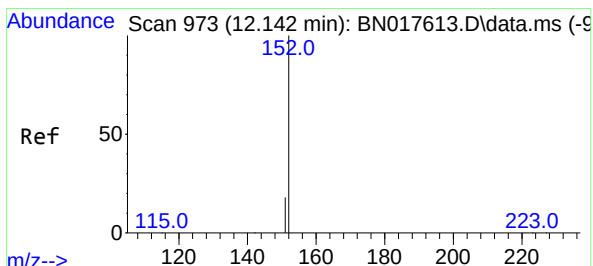
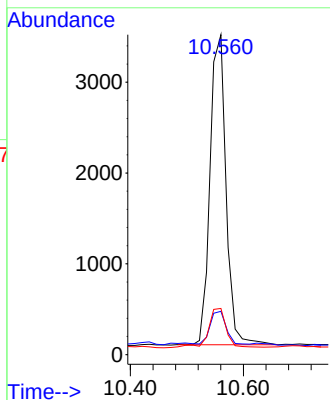
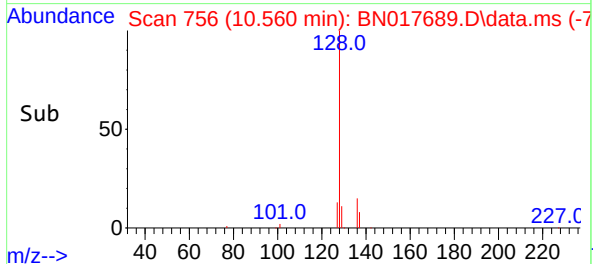
Instrument :  
BNA\_N  
ClientSampleId :  
BP-VPB-RW9-GW-898-900



Tgt Ion:128 Resp: 6708  
Ion Ratio Lower Upper  
128 100  
129 13.6 8.8 13.2  
127 14.4 10.6 15.8

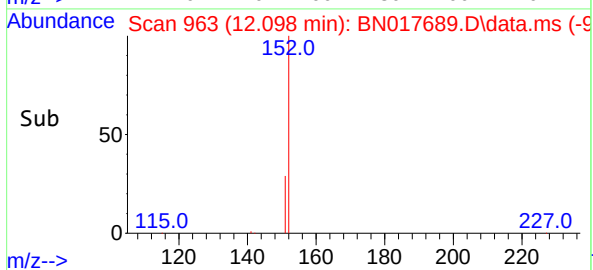
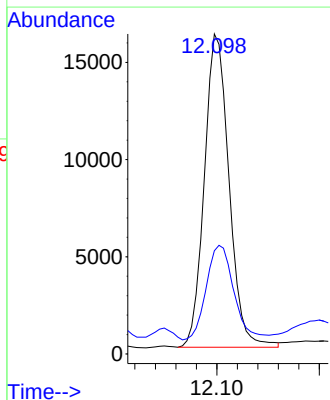
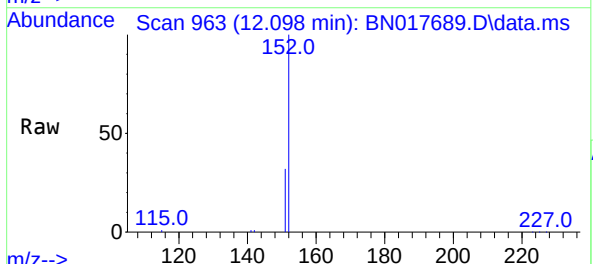
Manual Integrations  
APPROVED

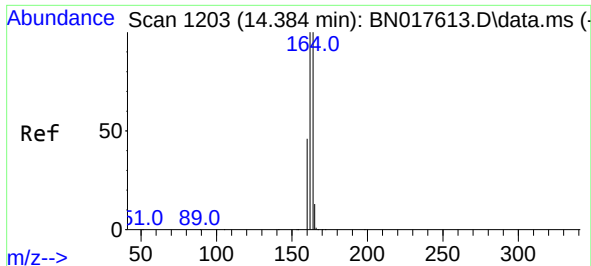
Reviewed By :Jagrut Upadhyay 12/03/2021  
Supervised By :mohammad ahmed 12/05/2021



#11  
2-Methylnaphthalene-d10  
Concen: 0.207 ng  
RT: 12.098 min Scan# 963  
Delta R.T. -0.009 min  
Lab File: BN017689.D  
Acq: 02 Dec 2021 19:26

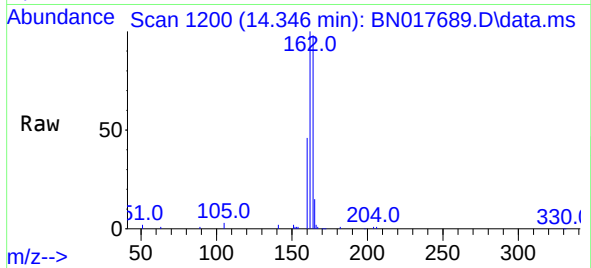
Tgt Ion:152 Resp: 26955  
Ion Ratio Lower Upper  
152 100  
151 33.9 16.2 24.4





#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.346 min Scan# 11  
Delta R.T. -0.013 min  
Lab File: BN017689.D  
Acq: 02 Dec 2021 19:26

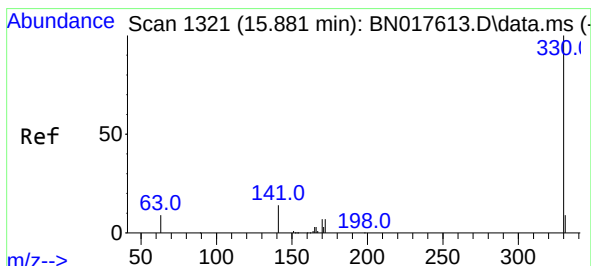
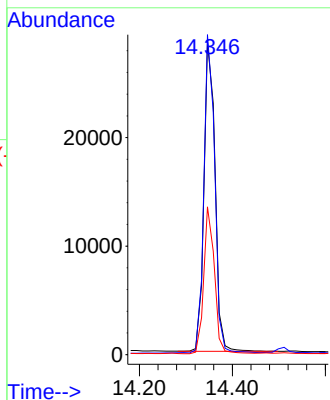
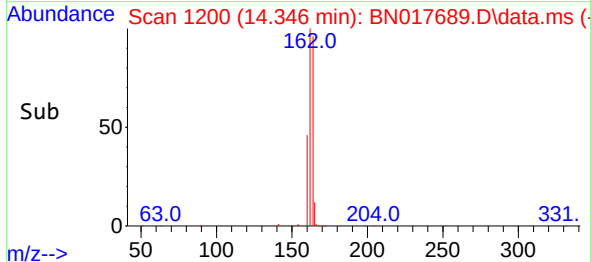
Instrument :  
BNA\_N  
ClientSampleId :  
BP-VPB-RW9-GW-898-900



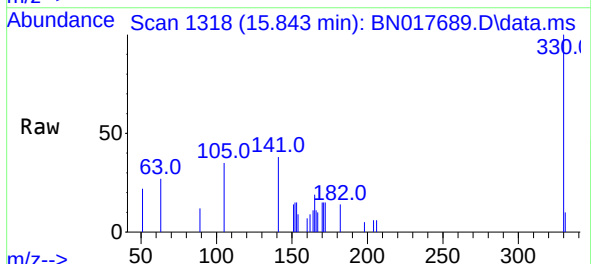
Tgt Ion:164 Resp: 47528  
Ion Ratio Lower Upper  
164 100  
162 102.5 81.4 122.2  
160 47.3 36.8 55.2

Manual Integrations  
APPROVED

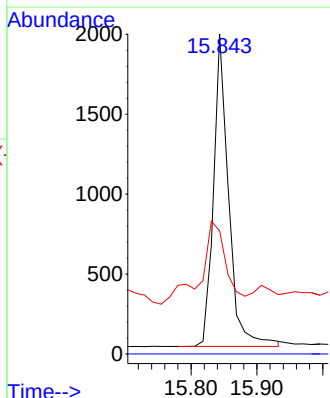
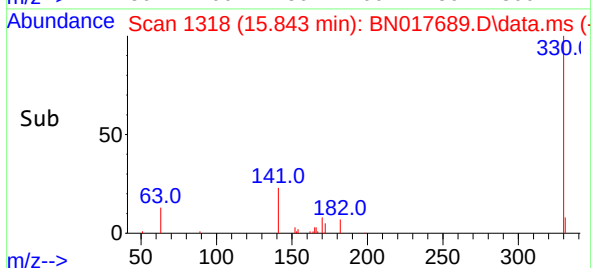
Reviewed By :Jagrut Upadhyay 12/03/2021  
Supervised By :mohammad ahmed 12/05/2021

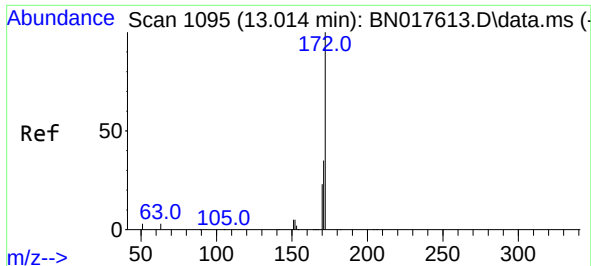


#14  
2,4,6-Tribromophenol  
Concen: 0.229 ng  
RT: 15.843 min Scan# 1318  
Delta R.T. 0.000 min  
Lab File: BN017689.D  
Acq: 02 Dec 2021 19:26



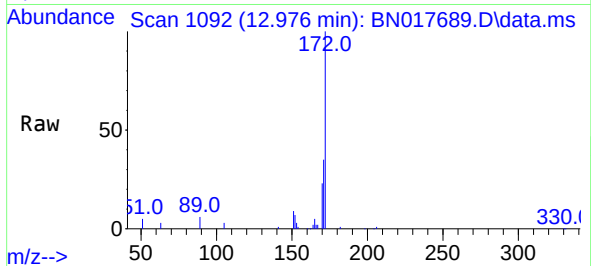
Tgt Ion:330 Resp: 3111  
Ion Ratio Lower Upper  
330 100  
332 0.0 0.0 0.0  
141 44.7 28.9 43.3#





#15  
2-Fluorobiphenyl  
Concen: 0.219 ng  
RT: 12.976 min Scan# 1095  
Delta R.T. -0.013 min  
Lab File: BN017689.D  
Acq: 02 Dec 2021 19:26

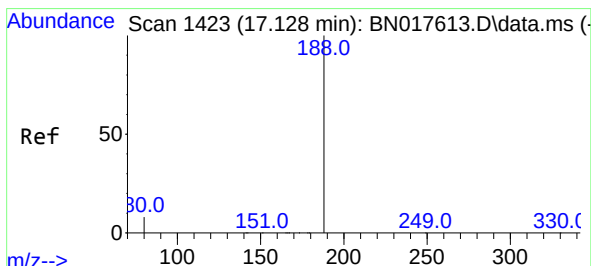
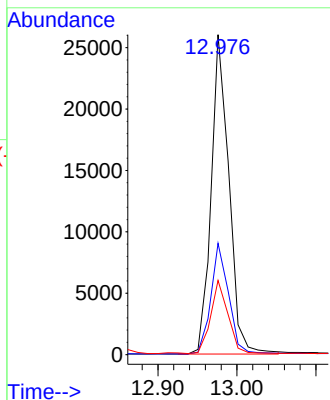
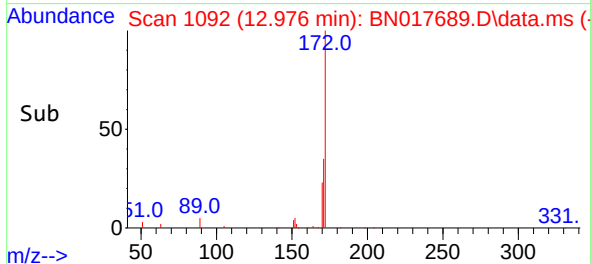
Instrument :  
BNA\_N  
ClientSampleId :  
BP-VPB-RW9-GW-898-900



Tgt Ion:172 Resp: 4055  
Ion Ratio Lower Upper  
172 100  
171 34.8 28.7 43.1  
170 23.2 19.4 29.2

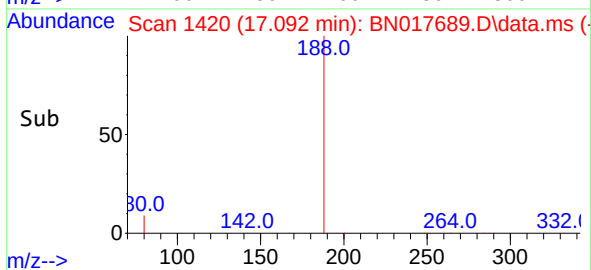
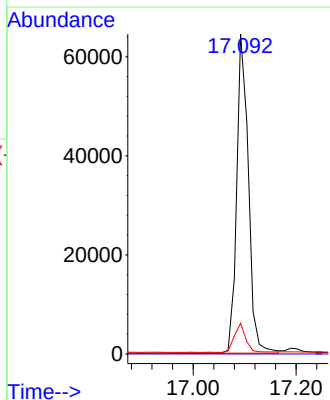
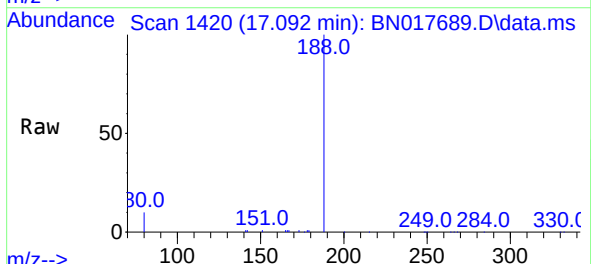
Manual Integrations  
APPROVED

Reviewed By :Jagrut Upadhyay 12/03/2021  
Supervised By :mohammad ahmed 12/05/2021

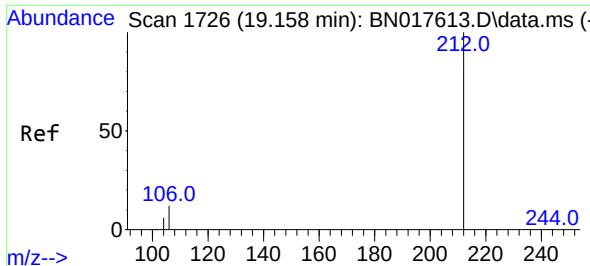


#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.092 min Scan# 1420  
Delta R.T. -0.012 min  
Lab File: BN017689.D  
Acq: 02 Dec 2021 19:26

Tgt Ion:188 Resp: 101697  
Ion Ratio Lower Upper  
188 100  
94 0.0 0.0 0.0  
80 9.6 6.1 9.1#

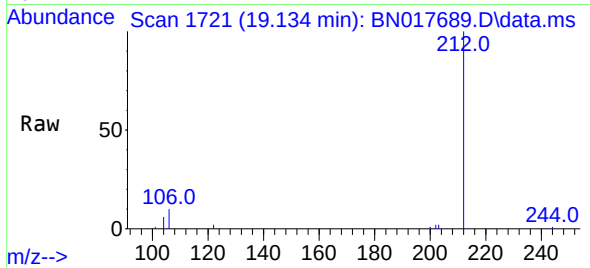






#27  
Fluoranthene-d10  
Concen: 0.164 ng  
RT: 19.134 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BN017689.D  
Acq: 02 Dec 2021 19:26

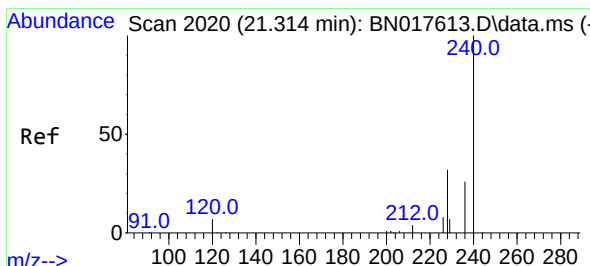
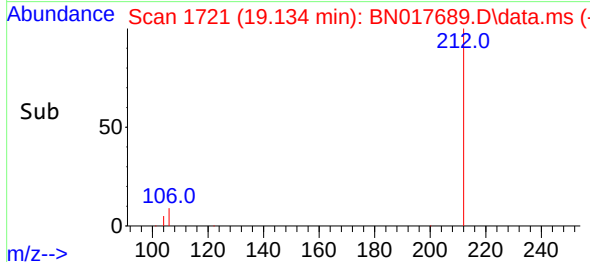
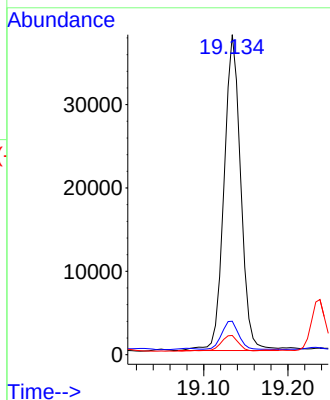
Instrument :  
BNA\_N  
ClientSampleId :  
BP-VPB-RW9-GW-898-900



Tgt Ion:212 Resp: 52148  
Ion Ratio Lower Upper  
212 100  
106 9.2 10.5 15.7  
104 5.4 5.8 8.6

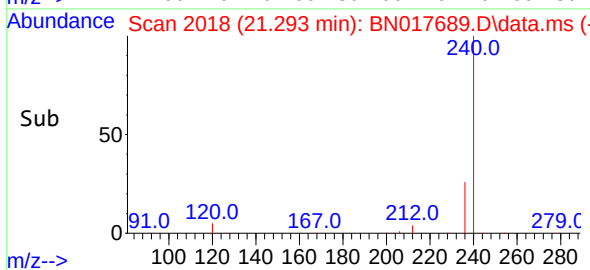
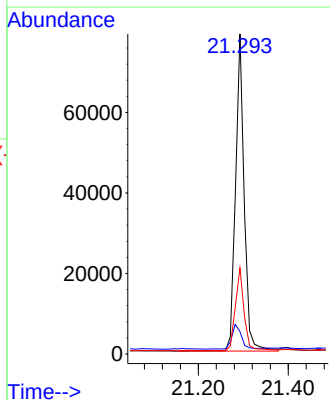
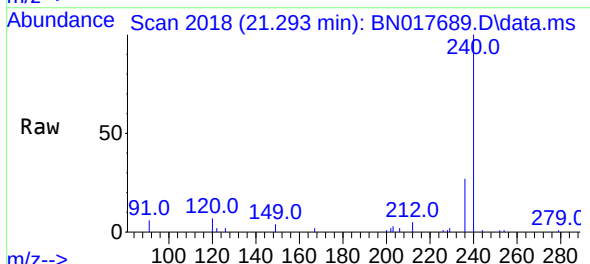
Manual Integrations  
APPROVED

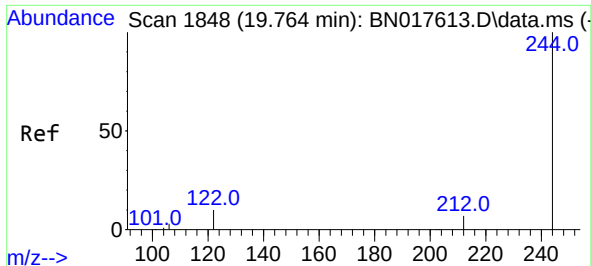
Reviewed By :Jagrut Upadhyay 12/03/2021  
Supervised By :mohammad ahmed 12/05/2021



#29  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.293 min Scan# 2018  
Delta R.T. 0.011 min  
Lab File: BN017689.D  
Acq: 02 Dec 2021 19:26

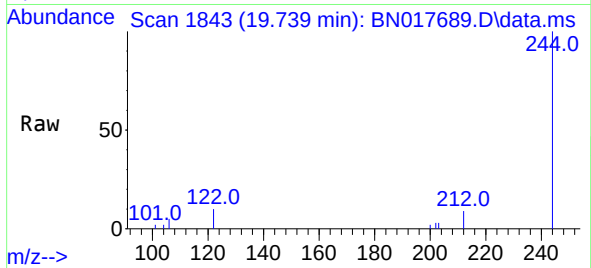
Tgt Ion:240 Resp: 104487  
Ion Ratio Lower Upper  
240 100  
120 7.0 4.2 6.2  
236 26.8 20.0 30.0





#31  
Terphenyl-d14  
Concen: 0.192 ng  
RT: 19.739 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BN017689.D  
Acq: 02 Dec 2021 19:26

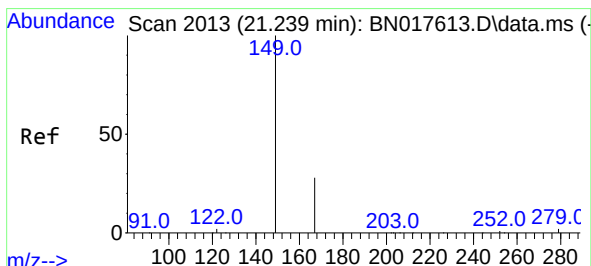
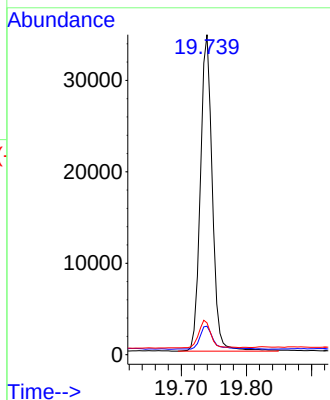
Instrument :  
BNA\_N  
ClientSampleId :  
BP-VPB-RW9-GW-898-900



Tgt Ion:244 Resp: 44011  
Ion Ratio Lower Upper  
244 100  
212 8.9 5.7 8.5  
122 10.0 8.6 13.0

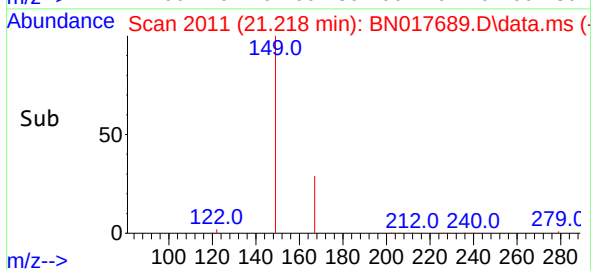
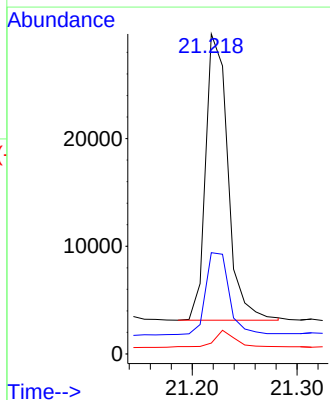
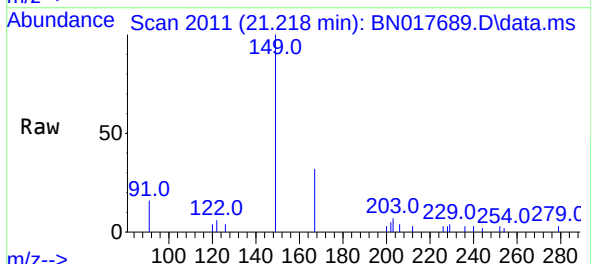
Manual Integrations  
APPROVED

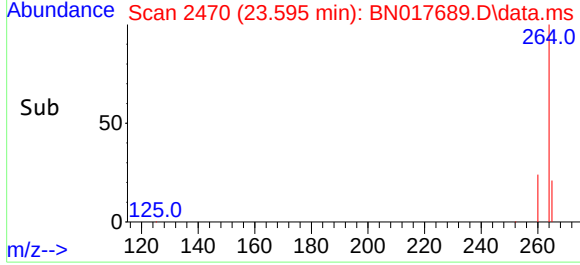
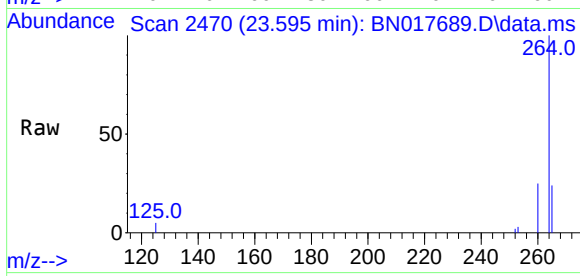
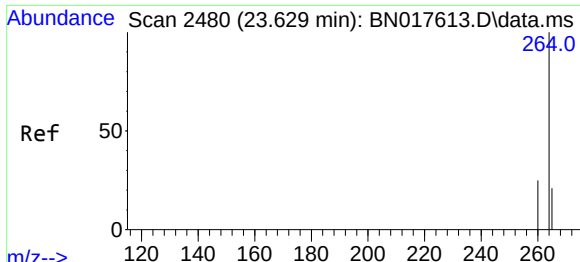
Reviewed By :Jagrut Upadhyay 12/03/2021  
Supervised By :mohammad ahmed 12/05/2021



#34  
Bis(2-ethylhexyl)phthalate  
Concen: 0.519 ng  
RT: 21.218 min Scan# 2011  
Delta R.T. 0.000 min  
Lab File: BN017689.D  
Acq: 02 Dec 2021 19:26

Tgt Ion:149 Resp: 39104  
Ion Ratio Lower Upper  
149 100  
167 30.9 21.8 32.6  
279 5.9 3.4 5.0#





#35  
Perylene-d12  
Concen: 0.400 ng  
RT: 23.595 min Scan# 24  
Delta R.T. 0.014 min  
Lab File: BN017689.D  
Acq: 02 Dec 2021 19:26

Instrument :  
BNA\_N  
ClientSampleId :  
BP-VPB-RW9-GW-898-900

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:264 | Resp: | 113724    |
| Ion Ratio   | Lower | Upper     |
| 264         | 100   |           |
| 260         | 25.2  | 19.4 29.2 |
| 265         | 24.1  | 18.6 28.0 |

Manual Integrations  
APPROVED

Reviewed By :Jagrut Upadhyay 12/03/2021  
Supervised By :mohammad ahmed 12/05/2021

