

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN032222\  
 Data File : BN019097.D  
 Acq On : 23 Mar 2022 18:24  
 Operator : CG/JU  
 Sample : N2041-14DL 2X  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 RE115D2-20220317DL

Quant Time: Mar 24 05:32:02 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

Manual Integrations  
 APPROVED

Reviewed By :Christian Giraldo 03/24/2022  
 Supervised By :Jagrut Upadhyay 03/24/2022

| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min)  |
|-------------------------------|--------|------|----------|-------|-------|-----------|
| -----                         |        |      |          |       |       |           |
| Internal Standards            |        |      |          |       |       |           |
| 1) 1,4-Dichlorobenzene-d4     | 7.854  | 152  | 4367     | 0.400 | ng    | 0.00      |
| 7) Naphthalene-d8             | 10.658 | 136  | 10817    | 0.400 | ng    | # 0.00    |
| 13) Acenaphthene-d10          | 14.484 | 164  | 6312     | 0.400 | ng    | -0.01     |
| 19) Phenanthrene-d10          | 17.235 | 188  | 11658    | 0.400 | ng    | 0.00      |
| 29) Chrysene-d12              | 21.422 | 240  | 9244     | 0.400 | ng    | # 0.00    |
| 35) Perylene-d12              | 23.793 | 264  | 7693     | 0.400 | ng    | # 0.00    |
| System Monitoring Compounds   |        |      |          |       |       |           |
| 4) 2-Fluorophenol             | 5.413  | 112  | 652      | 0.067 | ng    | 0.00      |
| 5) Phenol-d6                  | 7.031  | 99   | 291      | 0.028 | ng    | 0.02      |
| 8) Nitrobenzene-d5            | 9.024  | 82   | 876m     | 0.112 | ng    | 0.01      |
| 11) 2-Methylnaphthalene-d10   | 12.253 | 152  | 2396     | 0.134 | ng    | 0.00      |
| 14) 2,4,6-Tribromophenol      | 15.994 | 330  | 291      | 0.096 | ng    | 0.00      |
| 15) 2-Fluorobiphenyl          | 13.126 | 172  | 3518     | 0.139 | ng    | 0.00      |
| 27) Fluoranthene-d10          | 19.265 | 212  | 6749     | 0.195 | ng    | 0.00      |
| 31) Terphenyl-d14             | 19.859 | 244  | 4309     | 0.190 | ng    | 0.00      |
| Target Compounds              |        |      |          |       |       |           |
| 2) 1,4-Dioxane                | 3.246  | 88   | 17402    | 3.224 | ng    | Qvalue 97 |
| 6) bis(2-Chloroethyl)ether    | 7.276  | 93   | 248      | 0.020 | ng    | 95        |
| 34) Bis(2-ethylhexyl)phtha... | 21.332 | 149  | 1191     | 0.063 | ng    | # 100     |
| -----                         |        |      |          |       |       |           |

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

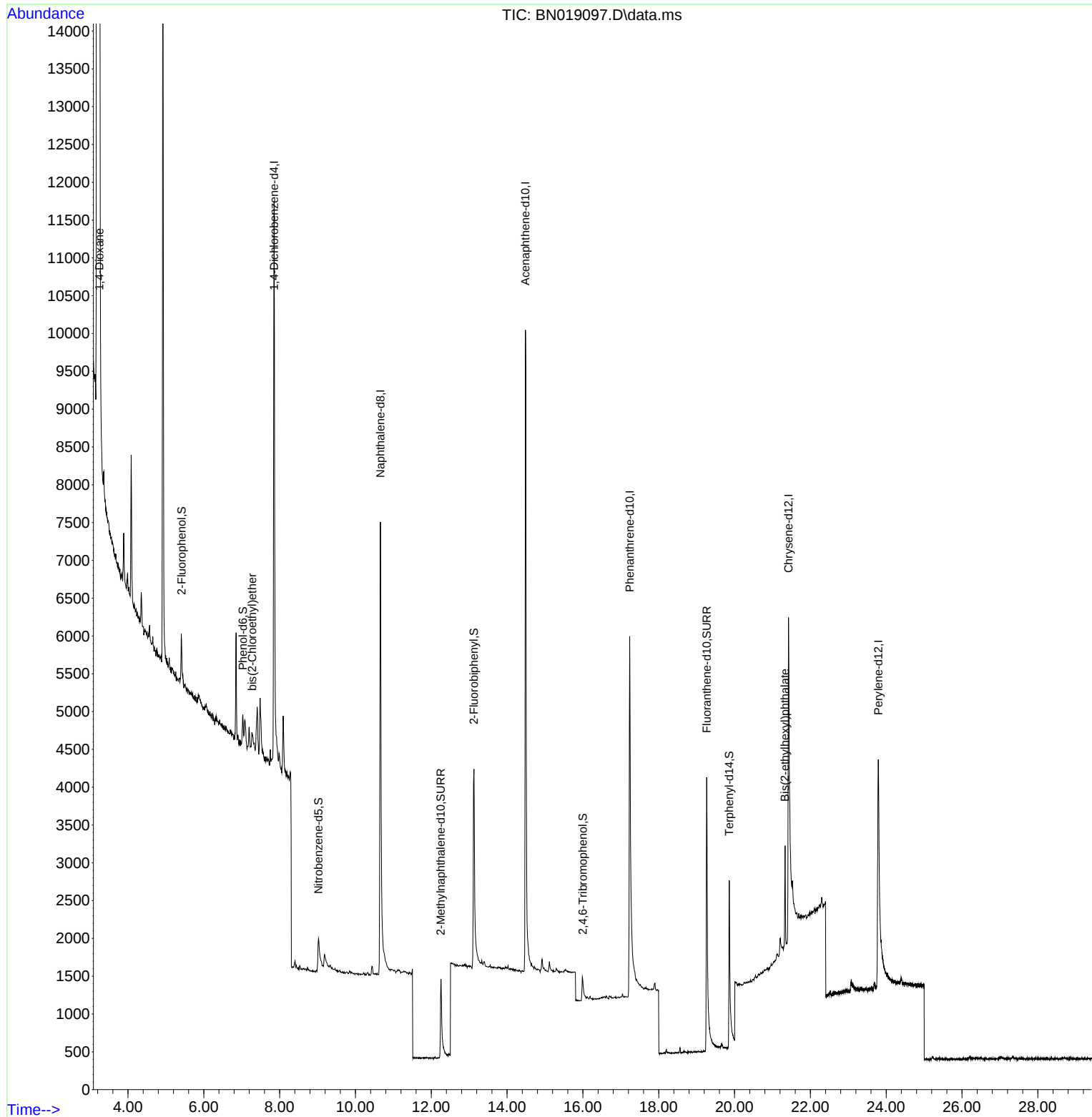
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN032222\  
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\8270-SIM-BN031722.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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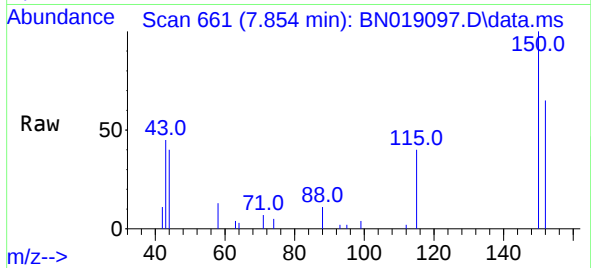
Reviewed By : Christian Giraldo 03/24/2022  
Supervised By : Jagrut Upadhyay 03/24/2022





#1  
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.854 min Scan# 60  
Delta R.T. -0.000 min  
Lab File: BN019097.D  
Acq: 23 Mar 2022 18:24

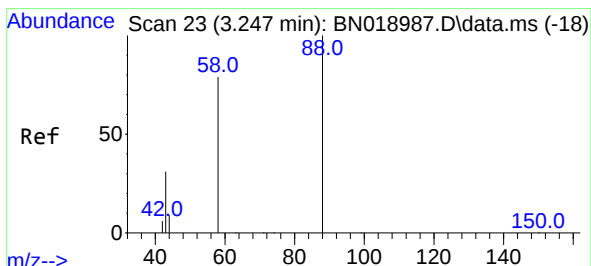
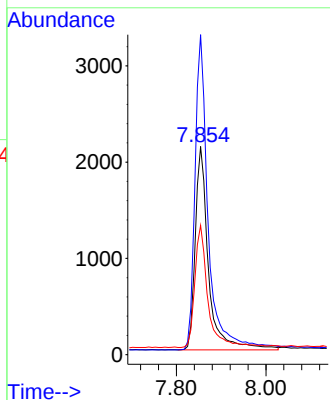
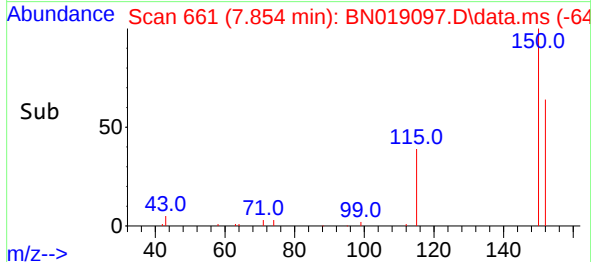
Instrument :  
BNA\_N  
ClientSampleId :  
RE115D2-20220317DL



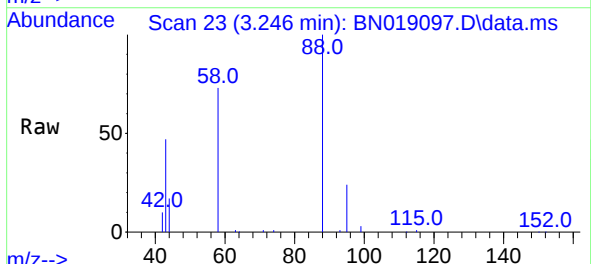
Tgt Ion:152 Resp: 436  
Ion Ratio Lower Upper  
152 100  
150 153.7 123.9 185.9  
115 62.1 48.2 72.4

Manual Integrations  
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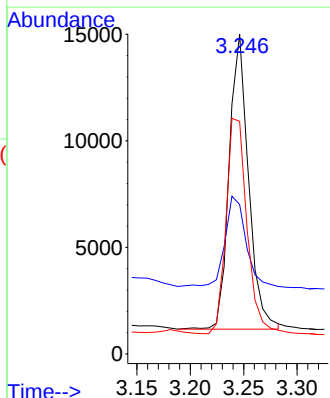
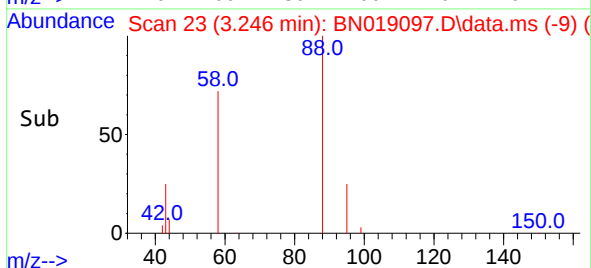
Reviewed By :Christian Giraldo 03/24/2022  
Supervised By :Jagrut Upadhyay 03/24/2022

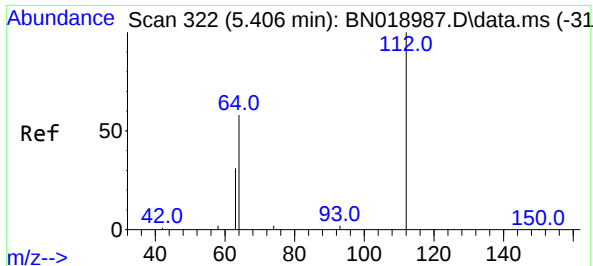


#2  
1,4-Dioxane  
Concen: 3.224 ng  
RT: 3.246 min Scan# 23  
Delta R.T. -0.000 min  
Lab File: BN019097.D  
Acq: 23 Mar 2022 18:24



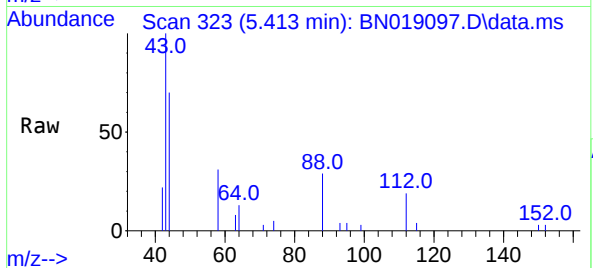
Tgt Ion: 88 Resp: 17402  
Ion Ratio Lower Upper  
88 100  
43 32.4 24.6 37.0  
58 78.9 65.4 98.2





#4  
2-Fluorophenol  
Concen: 0.067 ng  
RT: 5.413 min Scan# 31  
Delta R.T. 0.007 min  
Lab File: BN019097.D  
Acq: 23 Mar 2022 18:24

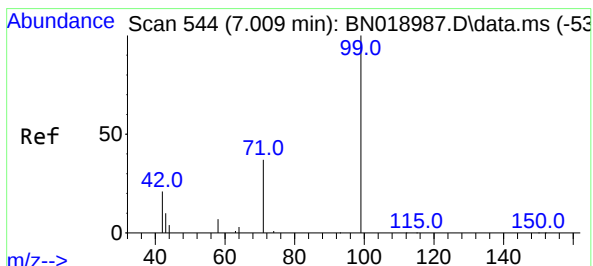
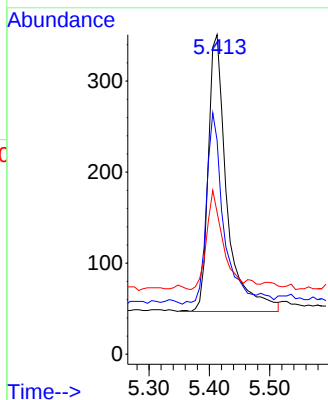
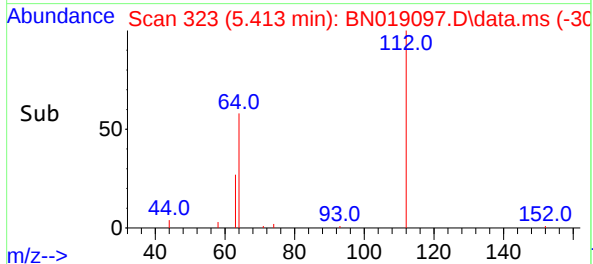
Instrument :  
BNA\_N  
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RE115D2-20220317DL



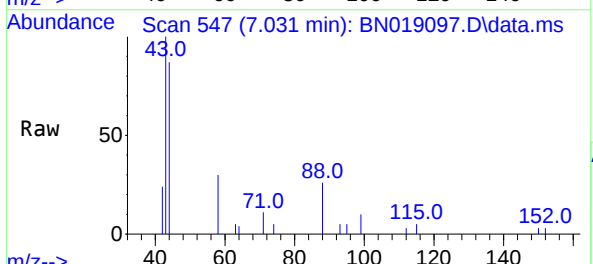
Tgt Ion: 112 Resp: 652  
Ion Ratio Lower Upper  
112 100  
64 63.7 47.8 71.8  
63 31.4 25.7 38.5

Manual Integrations  
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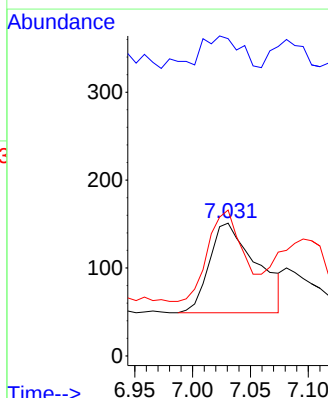
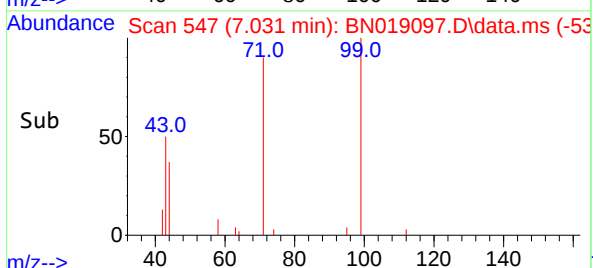
Reviewed By :Christian Giraldo 03/24/2022  
Supervised By :Jagrut Upadhyay 03/24/2022

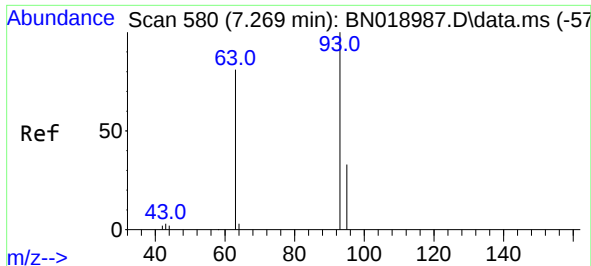


#5  
Phenol-d6  
Concen: 0.028 ng  
RT: 7.031 min Scan# 547  
Delta R.T. 0.021 min  
Lab File: BN019097.D  
Acq: 23 Mar 2022 18:24



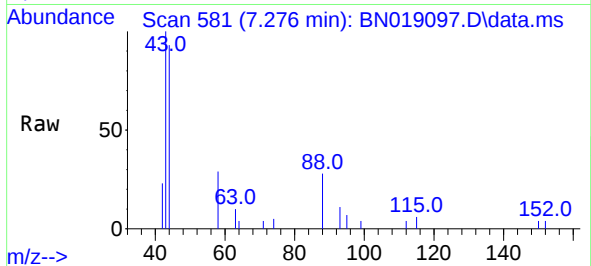
Tgt Ion: 99 Resp: 291  
Ion Ratio Lower Upper  
99 100  
42 36.4 16.2 24.4#  
71 77.3 27.7 41.5#





#6  
bis(2-Chloroethyl)ether  
Concen: 0.020 ng  
RT: 7.276 min Scan# 580  
Delta R.T. 0.007 min  
Lab File: BN019097.D  
Acq: 23 Mar 2022 18:24

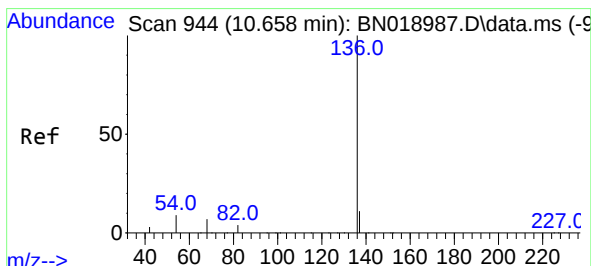
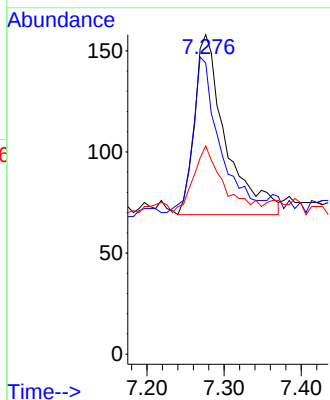
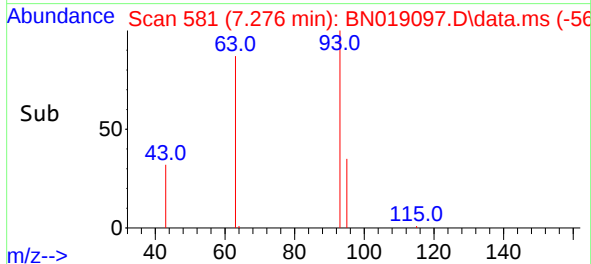
Instrument :  
BNA\_N  
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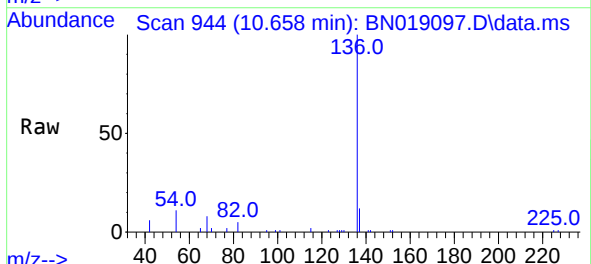
Tgt Ion: 93 Resp: 248  
Ion Ratio Lower Upper  
93 100  
63 75.0 62.8 94.2  
95 37.1 26.2 39.4

Manual Integrations  
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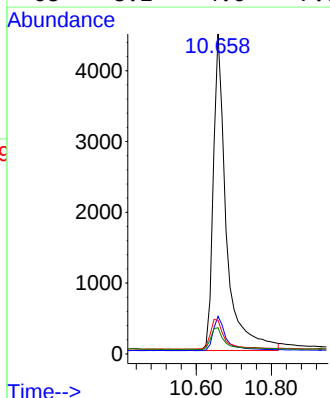
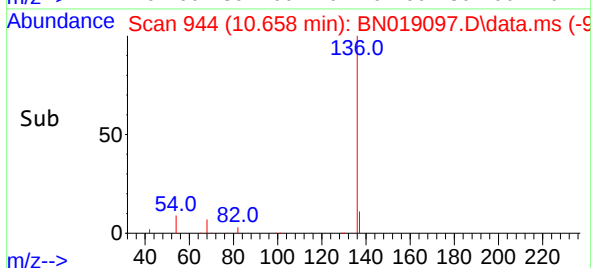
Reviewed By :Christian Giraldo 03/24/2022  
Supervised By :Jagrut Upadhyay 03/24/2022

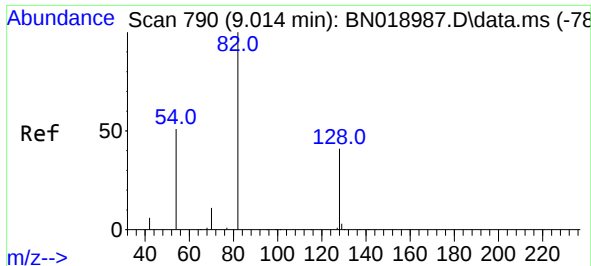


#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.658 min Scan# 944  
Delta R.T. -0.000 min  
Lab File: BN019097.D  
Acq: 23 Mar 2022 18:24



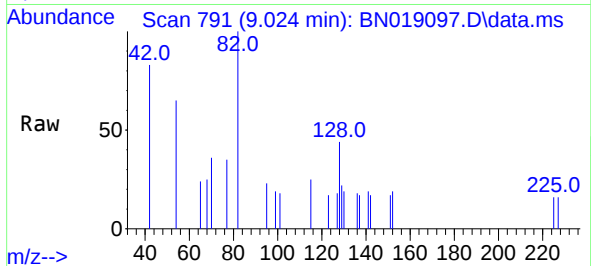
Tgt Ion:136 Resp: 10817  
Ion Ratio Lower Upper  
136 100  
137 11.7 9.0 13.4  
54 10.5 5.8 8.6#  
68 8.2 4.6 7.0#





#8  
Nitrobenzene-d5  
Concen: 0.112 ng m  
RT: 9.024 min Scan# 790  
Delta R.T. 0.010 min  
Lab File: BN019097.D  
Acq: 23 Mar 2022 18:24

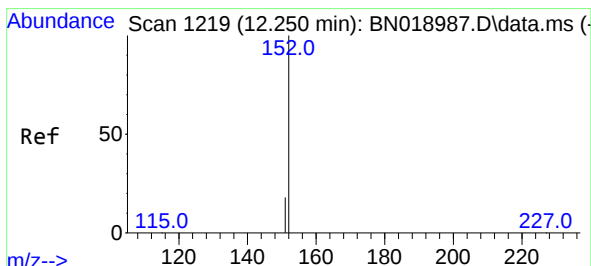
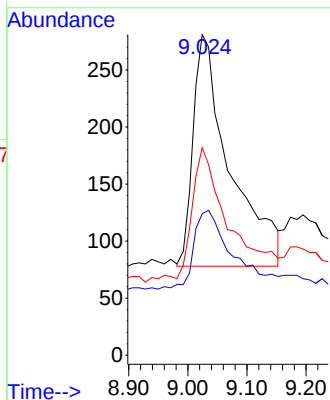
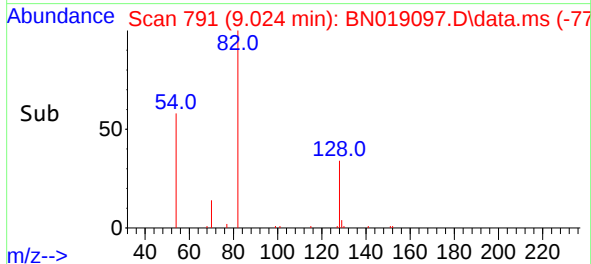
Instrument :  
BNA\_N  
ClientSampleId :  
RE115D2-20220317DL



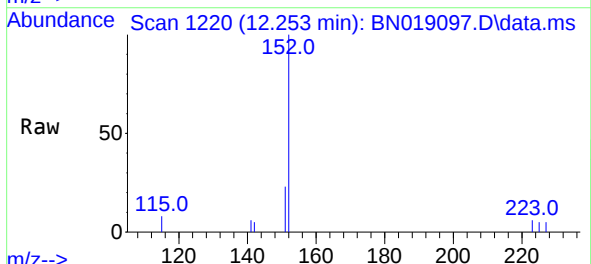
Tgt Ion: 82 Resp: 870  
Ion Ratio Lower Upper  
82 100  
128 44.1 33.0 49.6  
54 64.8 42.5 63.7

Manual Integrations  
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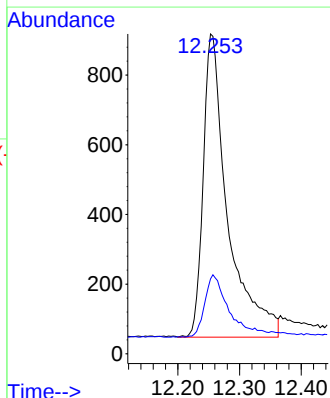
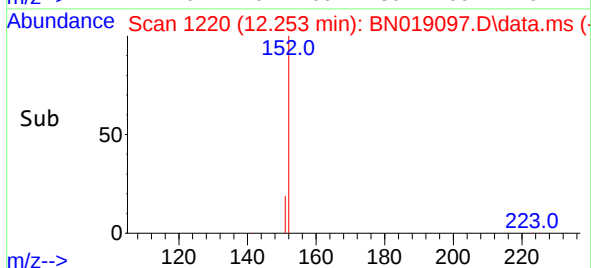
Reviewed By :Christian Giraldo 03/24/2022  
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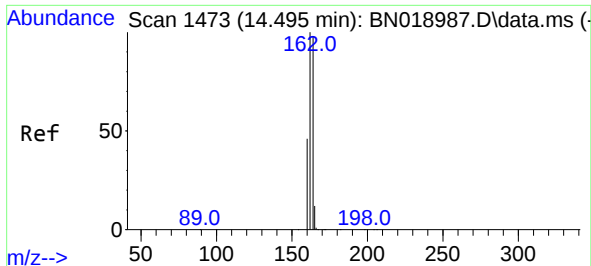


#11  
2-Methylnaphthalene-d10  
Concen: 0.134 ng  
RT: 12.253 min Scan# 1220  
Delta R.T. 0.003 min  
Lab File: BN019097.D  
Acq: 23 Mar 2022 18:24



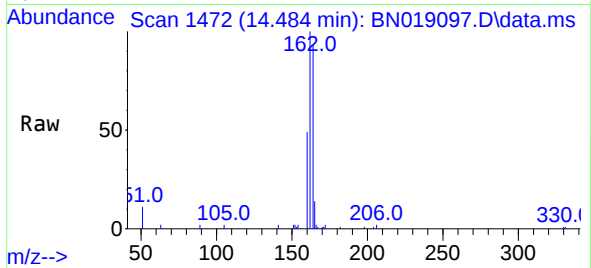
Tgt Ion:152 Resp: 2396  
Ion Ratio Lower Upper  
152 100  
151 20.6 16.5 24.7





#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.484 min Scan# 1472  
Delta R.T. -0.011 min  
Lab File: BN019097.D  
Acq: 23 Mar 2022 18:24

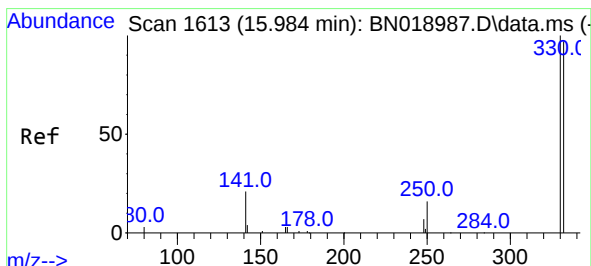
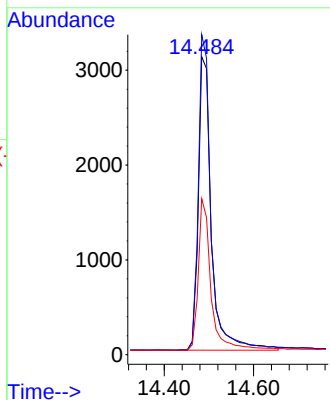
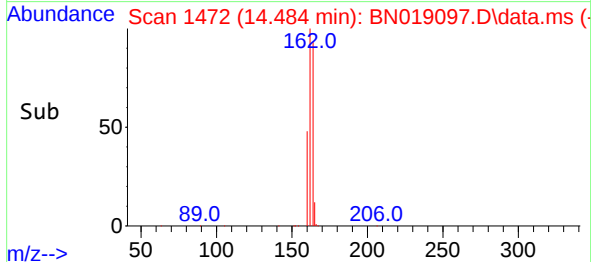
Instrument :  
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ClientSampleId :  
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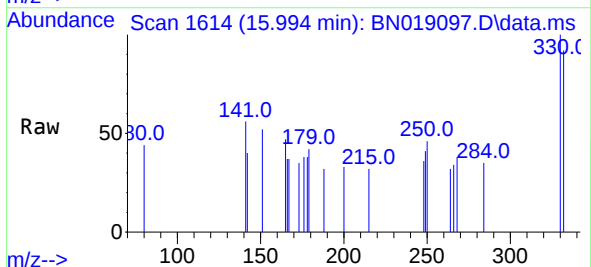
Tgt Ion:164 Resp: 631  
Ion Ratio Lower Upper  
164 100  
162 107.4 85.2 127.8  
160 52.3 41.5 62.3

Manual Integrations  
APPROVED

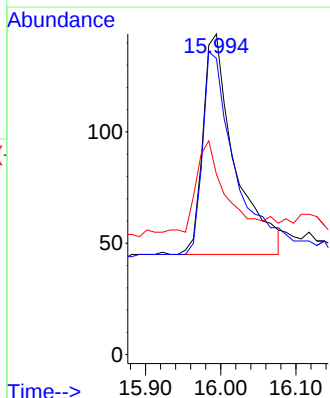
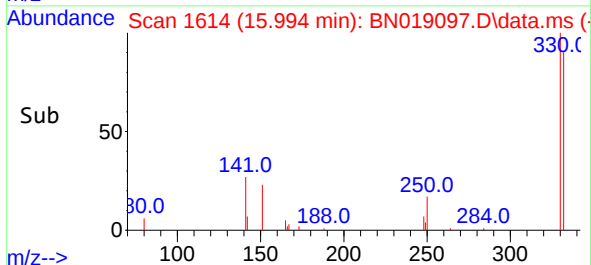
Reviewed By :Christian Giraldo 03/24/2022  
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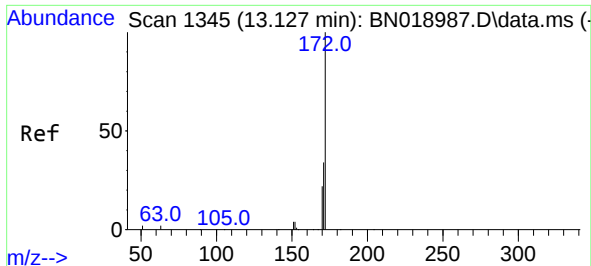


#14  
2,4,6-Tribromophenol  
Concen: 0.096 ng  
RT: 15.994 min Scan# 1614  
Delta R.T. 0.010 min  
Lab File: BN019097.D  
Acq: 23 Mar 2022 18:24



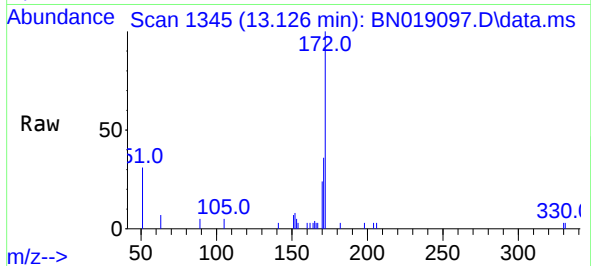
Tgt Ion:330 Resp: 291  
Ion Ratio Lower Upper  
330 100  
332 90.0 76.8 115.2  
141 44.3 32.2 48.2





#15  
2-Fluorobiphenyl  
Concen: 0.139 ng  
RT: 13.126 min Scan# 1345  
Delta R.T. -0.000 min  
Lab File: BN019097.D  
Acq: 23 Mar 2022 18:24

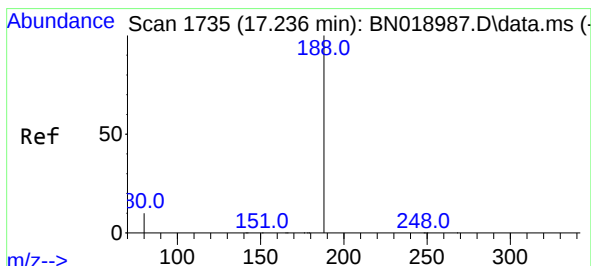
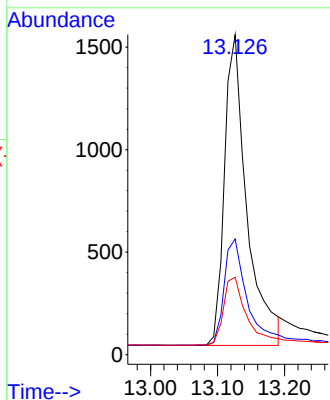
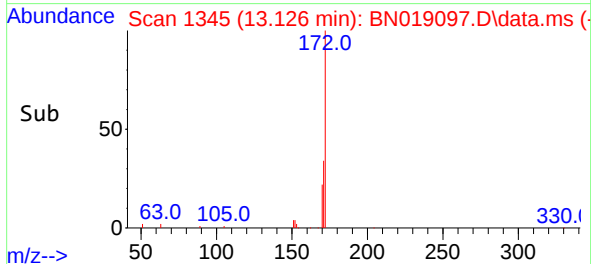
Instrument :  
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Tgt Ion:172 Resp: 3518  
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172 100  
171 36.1 28.2 42.2  
170 24.2 18.7 28.1

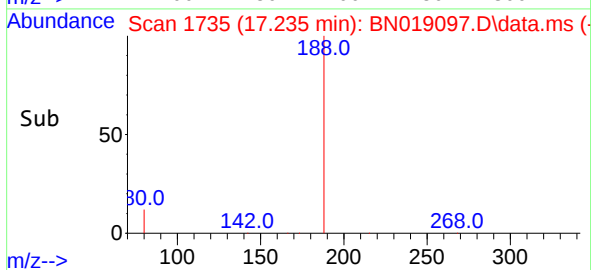
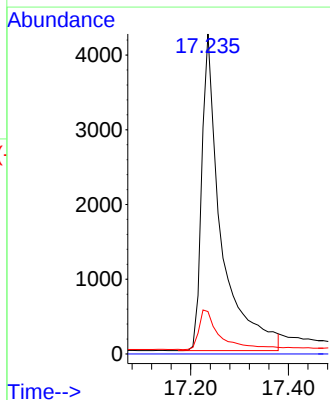
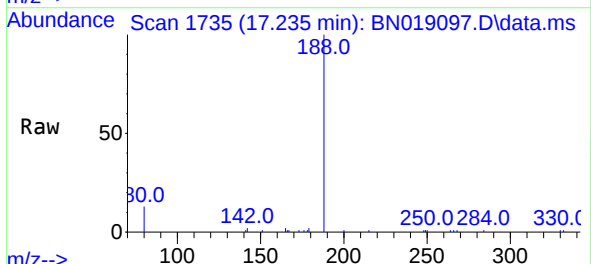
Manual Integrations  
APPROVED

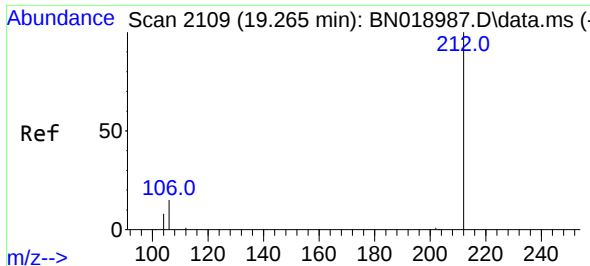
Reviewed By :Christian Giraldo 03/24/2022  
Supervised By :Jagrut Upadhyay 03/24/2022



#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.235 min Scan# 1735  
Delta R.T. -0.001 min  
Lab File: BN019097.D  
Acq: 23 Mar 2022 18:24

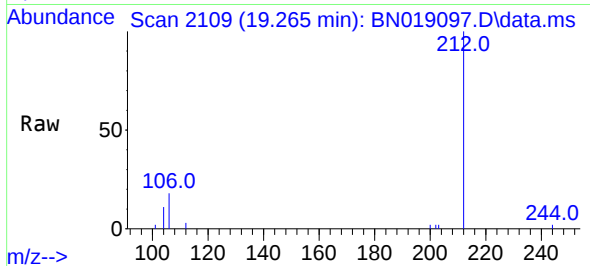
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Ion Ratio Lower Upper  
188 100  
94 0.0 0.0 0.0  
80 13.3 11.8 17.8





#27  
Fluoranthene-d10  
Concen: 0.195 ng  
RT: 19.265 min Scan# 2109  
Delta R.T. -0.000 min  
Lab File: BN019097.D  
Acq: 23 Mar 2022 18:24

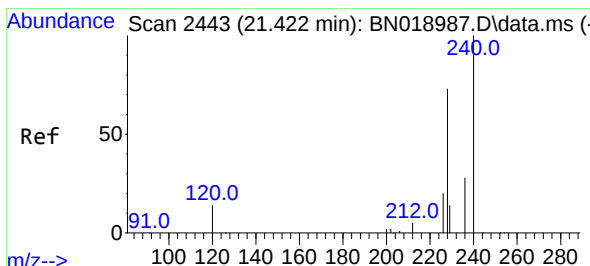
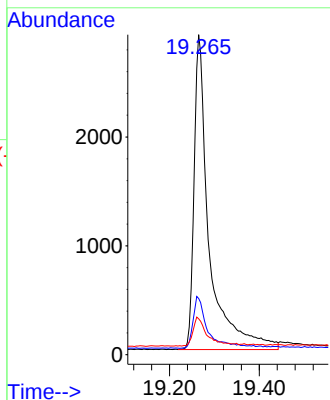
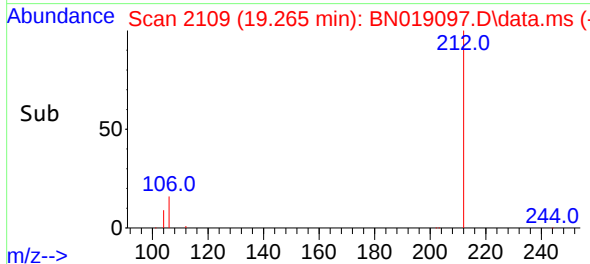
Instrument :  
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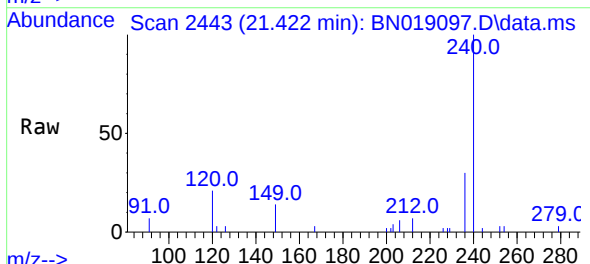
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Ion Ratio Lower Upper  
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106 15.9 12.7 19.1  
104 8.8 7.1 10.7

Manual Integrations  
APPROVED

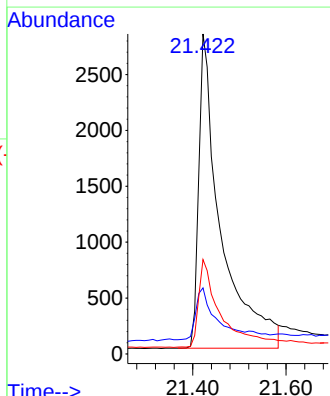
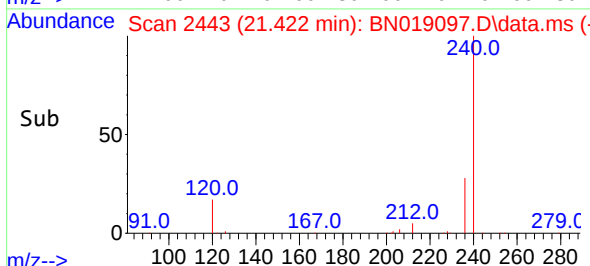
Reviewed By :Christian Giraldo 03/24/2022  
Supervised By :Jagrut Upadhyay 03/24/2022

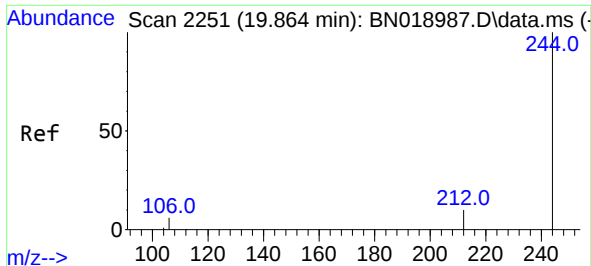


#29  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.422 min Scan# 2443  
Delta R.T. -0.000 min  
Lab File: BN019097.D  
Acq: 23 Mar 2022 18:24



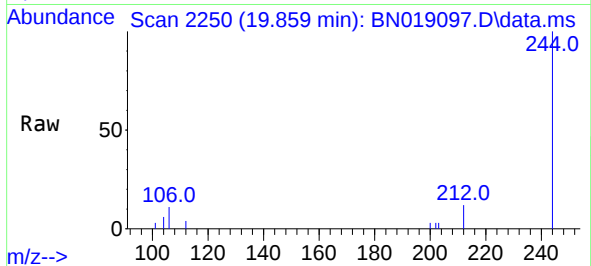
Tgt Ion:240 Resp: 9244  
Ion Ratio Lower Upper  
240 100  
120 20.6 8.5 12.7#  
236 29.5 22.4 33.6





#31  
Terphenyl-d14  
Concen: 0.190 ng  
RT: 19.859 min Scan# 21  
Delta R.T. -0.005 min  
Lab File: BN019097.D  
Acq: 23 Mar 2022 18:24

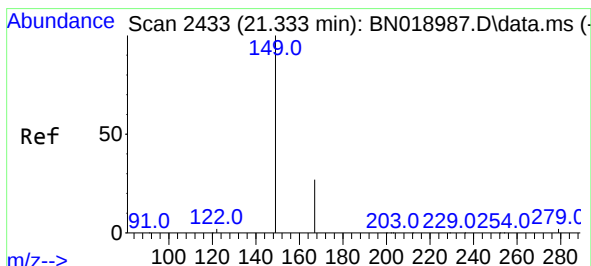
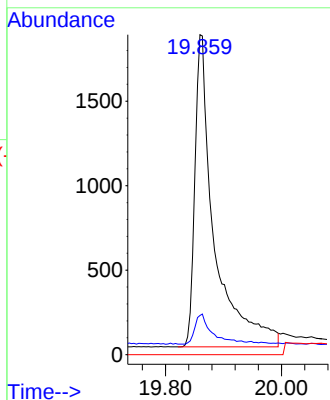
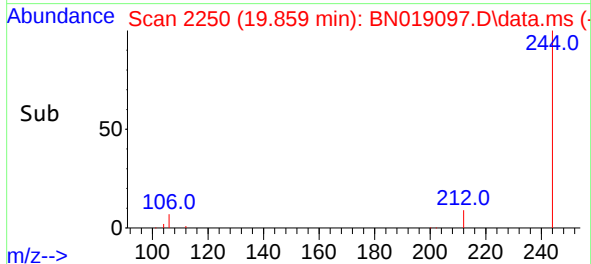
Instrument :  
BNA\_N  
ClientSampleId :  
RE115D2-20220317DL



Tgt Ion:244 Resp: 4309  
Ion Ratio Lower Upper  
244 100  
212 12.2 8.2 12.4  
122 0.0 0.0 0.0

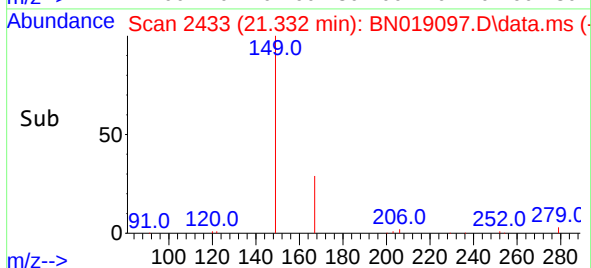
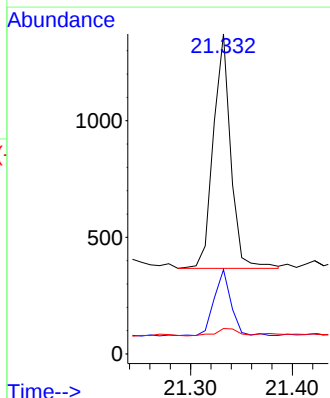
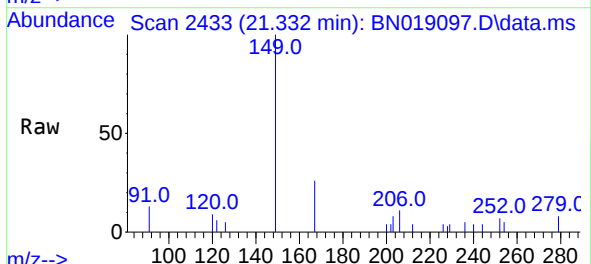
Manual Integrations  
APPROVED

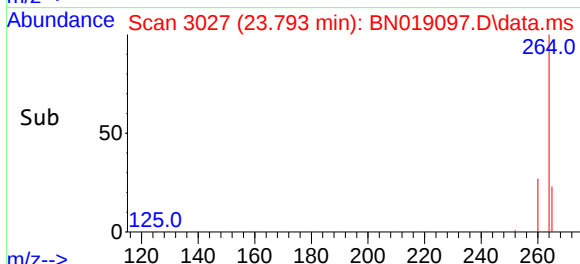
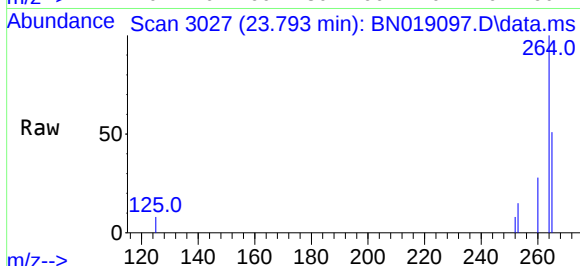
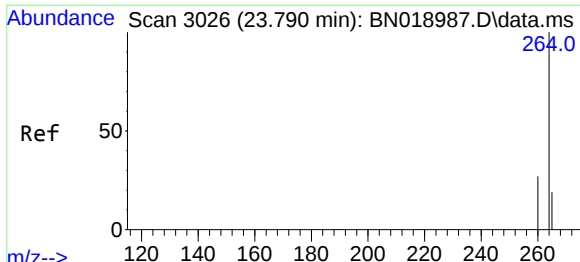
Reviewed By :Christian Giraldo 03/24/2022  
Supervised By :Jagrut Upadhyay 03/24/2022



#34  
Bis(2-ethylhexyl)phthalate  
Concen: 0.063 ng  
RT: 21.332 min Scan# 2433  
Delta R.T. -0.000 min  
Lab File: BN019097.D  
Acq: 23 Mar 2022 18:24

Tgt Ion:149 Resp: 1191  
Ion Ratio Lower Upper  
149 100  
167 27.3 21.8 32.8  
279 3.9 2.0 3.0#





#35  
 Perylene-d12  
 Concen: 0.400 ng  
 RT: 23.793 min Scan# 30  
 Delta R.T. 0.002 min  
 Lab File: BN019097.D  
 Acq: 23 Mar 2022 18:24

Instrument :  
 BNA\_N  
 ClientSampleId :  
 RE115D2-20220317DL

Tgt Ion:264 Resp: 769

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 28.5  | 22.4  | 33.6  |
| 265 | 50.6  | 25.3  | 37.9  |

Manual Integrations  
**APPROVED**  
 Reviewed By :Christian Giraldo 03/24/2022  
 Supervised By :Jagrut Upadhyay 03/24/2022

