

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN112922\  
 Data File : BN022939.D  
 Acq On : 29 Nov 2022 05:48  
 Operator : CG/JU  
 Sample : N5672-09  
 Misc :  
 ALS Vial : 31 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 RE120D1-20221116

Manual Integrations  
 APPROVED

Reviewed By :Christian Giraldo 11/29/2022  
 Supervised By :mohammad ahmed 12/01/2022

Quant Time: Nov 29 06:21:27 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN112522.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Nov 29 05:14:21 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.064  | 152  | 7538     | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.882 | 136  | 20924    | 0.400 | ng    | 0.00     |
| 13) Acenaphthene-d10          | 14.698 | 164  | 10828    | 0.400 | ng    | 0.00     |
| 19) Phenanthrene-d10          | 17.452 | 188  | 22709    | 0.400 | ng    | # 0.00   |
| 29) Chrysene-d12              | 21.629 | 240  | 13067    | 0.400 | ng    | # 0.00   |
| 35) Perylene-d12              | 24.119 | 264  | 8618     | 0.400 | ng    | # 0.00   |
|                               |        |      |          |       |       |          |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.601  | 112  | 2626     | 0.134 | ng    | 0.00     |
| 5) Phenol-d6                  | 7.211  | 99   | 2089     | 0.084 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 9.227  | 82   | 5282m    | 0.325 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10   | 12.465 | 152  | 14380    | 0.317 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 16.185 | 330  | 1361     | 0.260 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl          | 13.330 | 172  | 18280    | 0.369 | ng    | 0.00     |
| 27) Fluoranthene-d10          | 19.473 | 212  | 21228    | 0.344 | ng    | 0.00     |
| 31) Terphenyl-d14             | 20.071 | 244  | 13584    | 0.443 | ng    | 0.00     |
|                               |        |      |          |       |       |          |
| Target Compounds              |        |      |          |       |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.441  | 88   | 57685    | 6.030 | ng    | 98       |
| 34) Bis(2-ethylhexyl)phtha... | 21.540 | 149  | 2664     | 0.126 | ng    | 98       |
| -----                         |        |      |          |       |       |          |

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

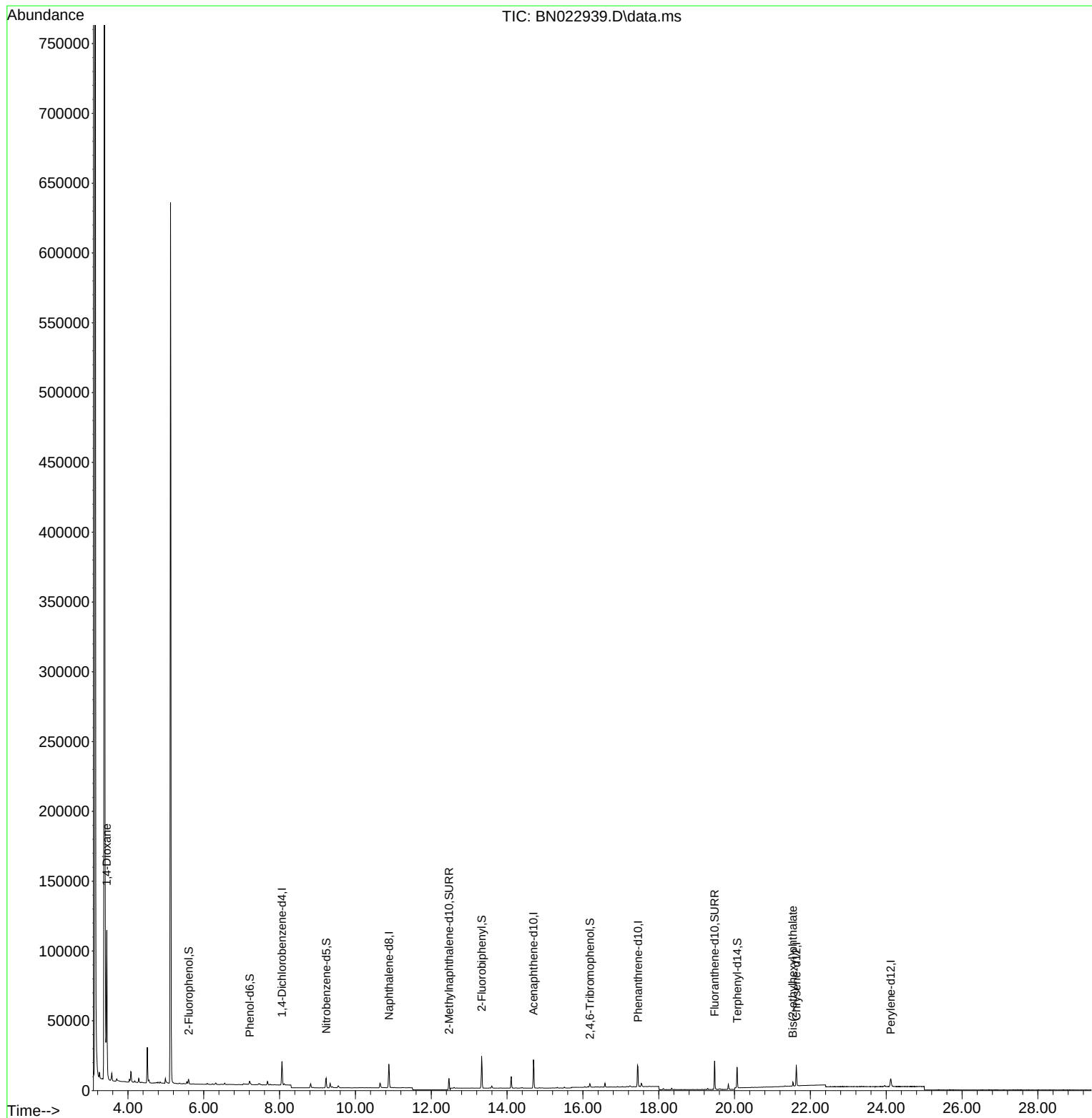
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN112922\  
Data File : BN022939.D  
Acq On : 29 Nov 2022 05:48  
Operator : CG/JU  
Sample : N5672-09  
Misc :  
ALS Vial : 31 Sample Multiplier: 1

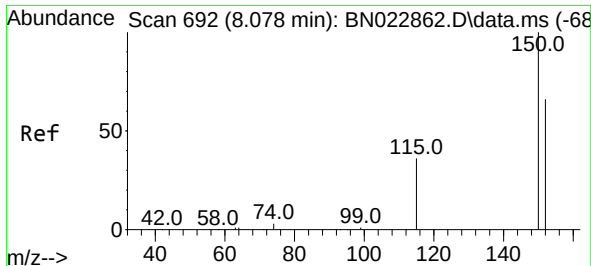
Instrument :  
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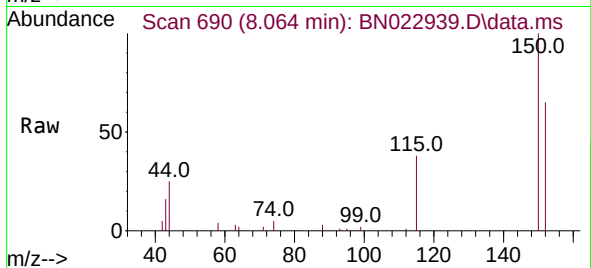
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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN112522.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Nov 29 05:14:21 2022  
Response via : Initial Calibration





#1  
 1,4-Dichlorobenzene-d4  
 Concen: 0.400 ng  
 RT: 8.064 min Scan# 69  
 Delta R.T. -0.000 min  
 Lab File: BN022939.D  
 Acq: 29 Nov 2022 05:48

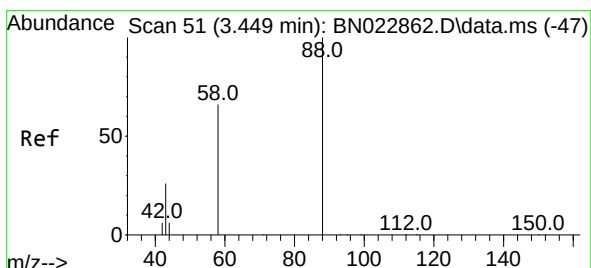
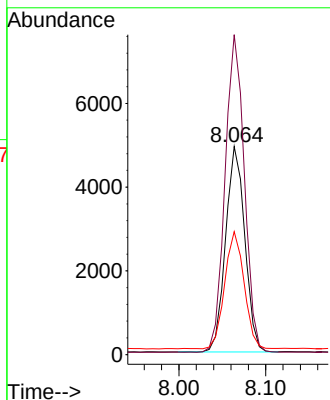
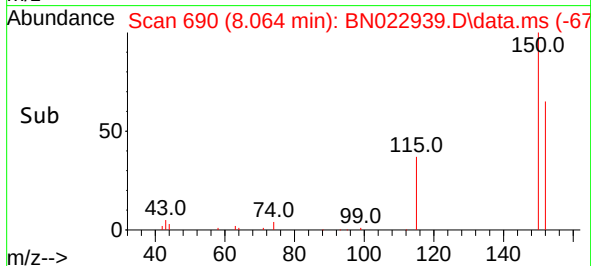
Instrument :  
 BNA\_N  
 ClientSampleId :  
 RE120D1-20221116



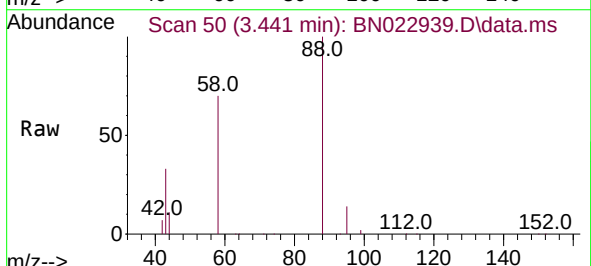
Tgt Ion: 152 Resp: 7538  
 Ion Ratio Lower Upper  
 152 100  
 150 153.8 121.2 181.8  
 115 59.1 46.2 69.4

Manual Integrations  
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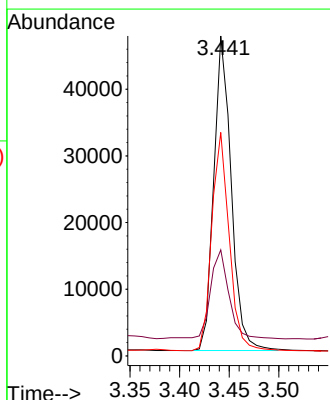
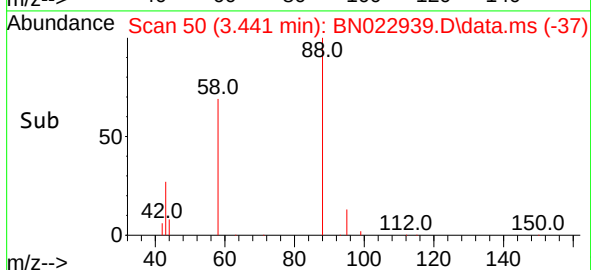
Reviewed By : Christian Giraldo 11/29/2022  
 Supervised By : mohammad ahmed 12/01/2022

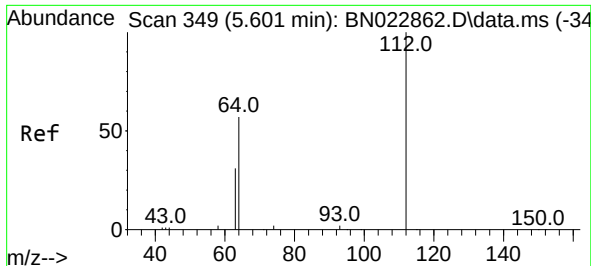


#2  
 1,4-Dioxane  
 Concen: 6.030 ng  
 RT: 3.441 min Scan# 50  
 Delta R.T. -0.007 min  
 Lab File: BN022939.D  
 Acq: 29 Nov 2022 05:48



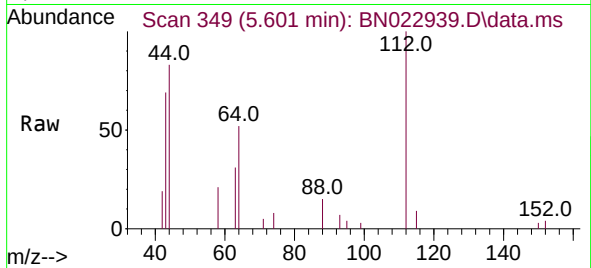
Tgt Ion: 88 Resp: 57685  
 Ion Ratio Lower Upper  
 88 100  
 43 29.8 25.4 38.2  
 58 69.2 56.5 84.7





#4  
2-Fluorophenol  
Concen: 0.134 ng  
RT: 5.601 min Scan# 349  
Delta R.T. -0.000 min  
Lab File: BN022939.D  
Acq: 29 Nov 2022 05:48

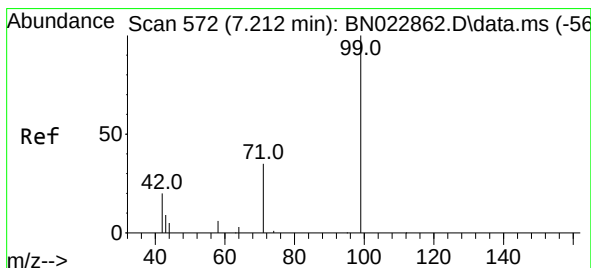
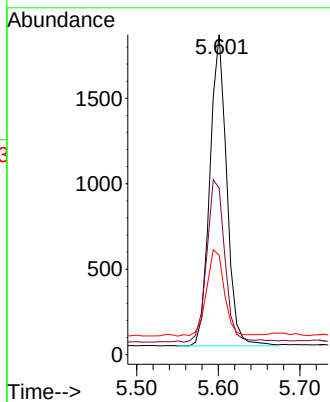
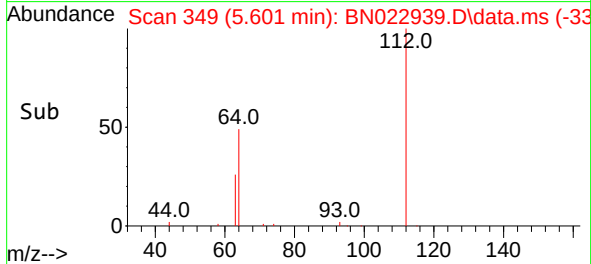
Instrument :  
BNA\_N  
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Tgt Ion: 112 Resp: 2620  
Ion Ratio Lower Upper  
112 100  
64 55.8 43.4 65.2  
63 29.1 23.4 35.2

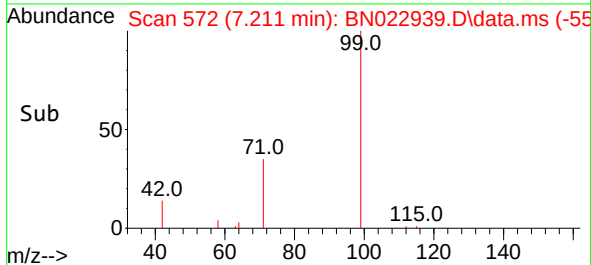
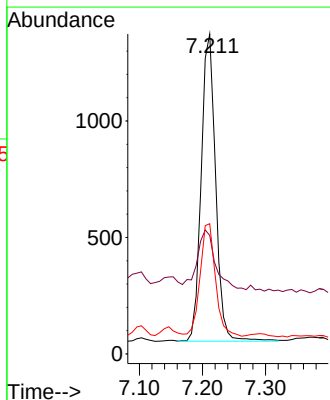
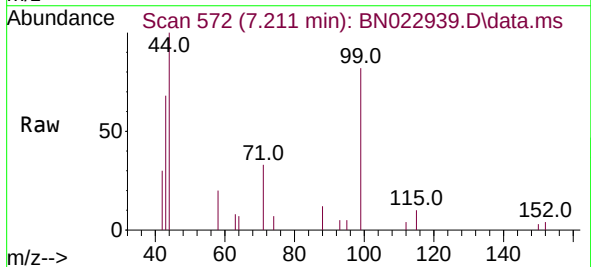
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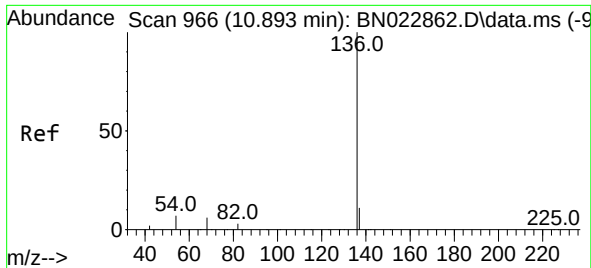
Reviewed By :Christian Giraldo 11/29/2022  
Supervised By :mohammad ahmed 12/01/2022



#5  
Phenol-d6  
Concen: 0.084 ng  
RT: 7.211 min Scan# 572  
Delta R.T. -0.000 min  
Lab File: BN022939.D  
Acq: 29 Nov 2022 05:48

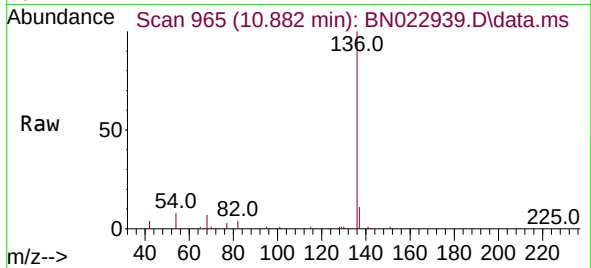
Tgt Ion: 99 Resp: 2089  
Ion Ratio Lower Upper  
99 100  
42 24.6 16.0 24.0#  
71 39.4 26.8 40.2





#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.882 min Scan# 90  
Delta R.T. -0.000 min  
Lab File: BN022939.D  
Acq: 29 Nov 2022 05:48

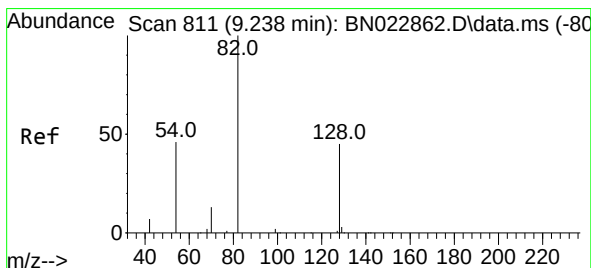
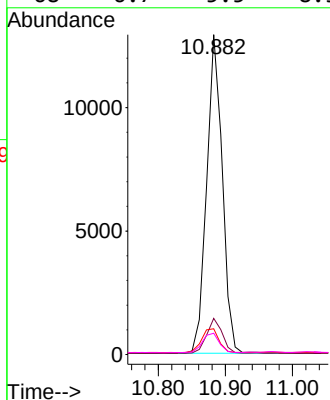
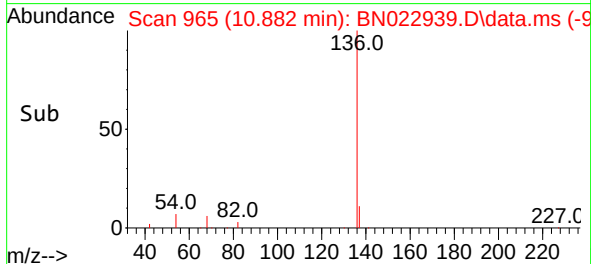
Instrument :  
BNA\_N  
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RE120D1-20221116



Tgt Ion:136 Resp: 20924  
Ion Ratio Lower Upper  
136 100  
137 11.3 9.0 13.4  
54 8.1 6.6 9.8  
68 6.7 5.5 8.3

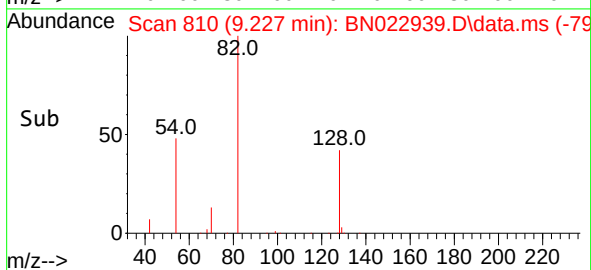
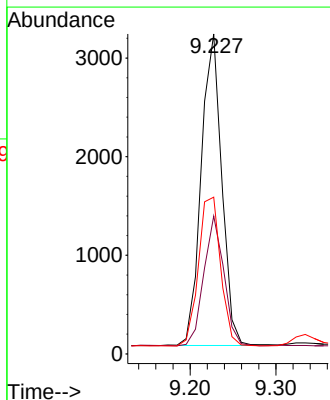
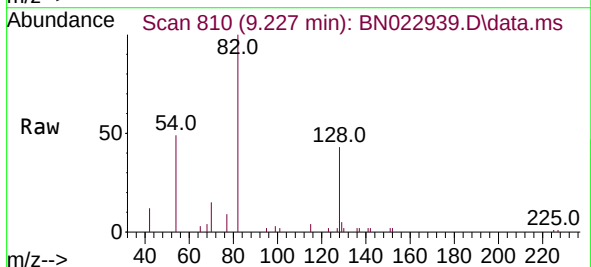
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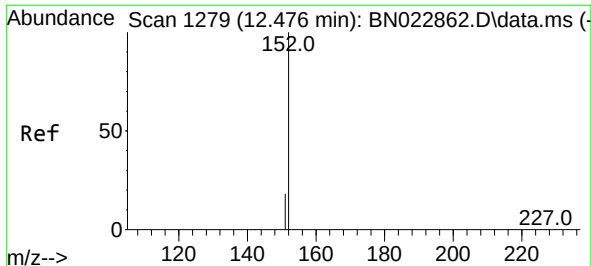
Reviewed By :Christian Giraldo 11/29/2022  
Supervised By :mohammad ahmed 12/01/2022



#8  
Nitrobenzene-d5  
Concen: 0.325 ng m  
RT: 9.227 min Scan# 810  
Delta R.T. -0.000 min  
Lab File: BN022939.D  
Acq: 29 Nov 2022 05:48

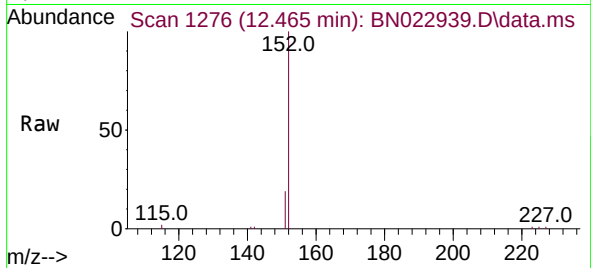
Tgt Ion: 82 Resp: 5282  
Ion Ratio Lower Upper  
82 100  
128 43.1 36.6 54.8  
54 49.0 38.5 57.7





#11  
2-Methylnaphthalene-d10  
Concen: 0.317 ng  
RT: 12.465 min Scan# 11  
Delta R.T. -0.004 min  
Lab File: BN022939.D  
Acq: 29 Nov 2022 05:48

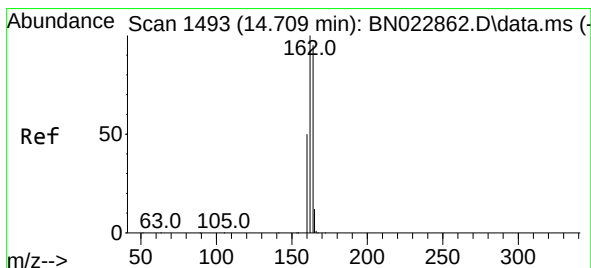
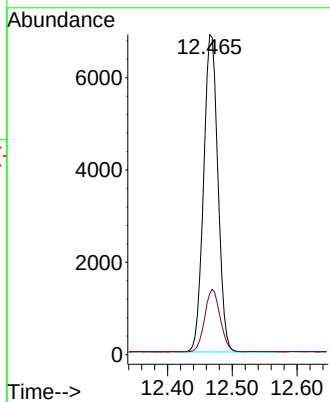
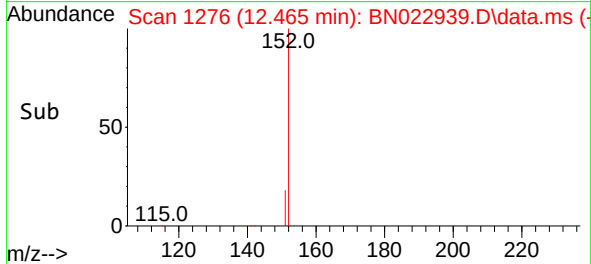
Instrument :  
BNA\_N  
ClientSampleId :  
RE120D1-20221116



Tgt Ion:152 Resp: 14380  
Ion Ratio Lower Upper  
152 100  
151 16.9 18.6 27.8

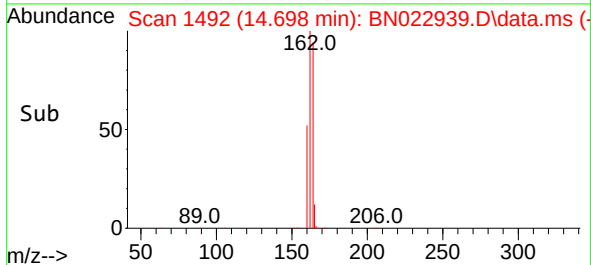
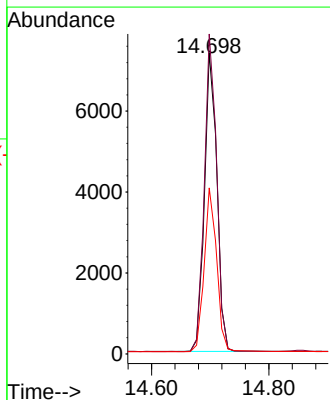
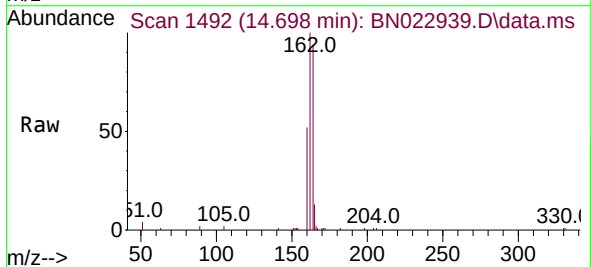
Manual Integrations  
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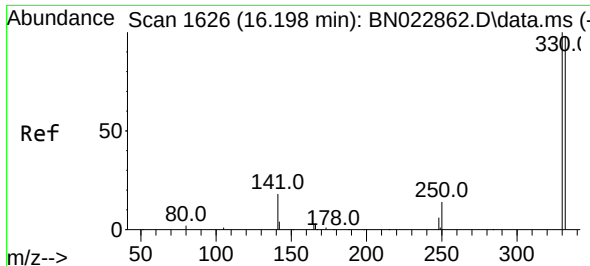
Reviewed By :Christian Giraldo 11/29/2022  
Supervised By :mohammad ahmed 12/01/2022



#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.698 min Scan# 1492  
Delta R.T. -0.000 min  
Lab File: BN022939.D  
Acq: 29 Nov 2022 05:48

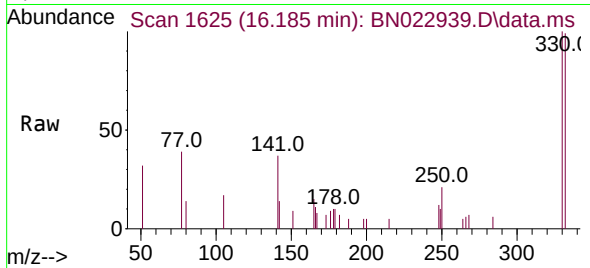
Tgt Ion:164 Resp: 10828  
Ion Ratio Lower Upper  
164 100  
162 106.4 84.2 126.4  
160 55.2 42.5 63.7





#14  
2,4,6-Tribromophenol  
Concen: 0.260 ng  
RT: 16.185 min Scan# 1626  
Delta R.T. -0.000 min  
Lab File: BN022939.D  
Acq: 29 Nov 2022 05:48

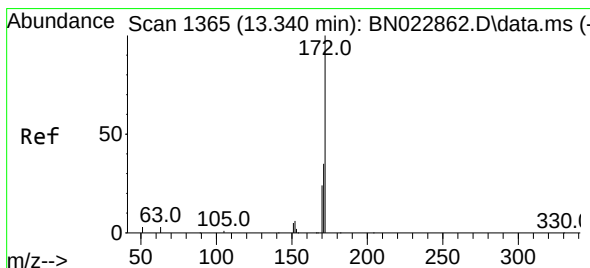
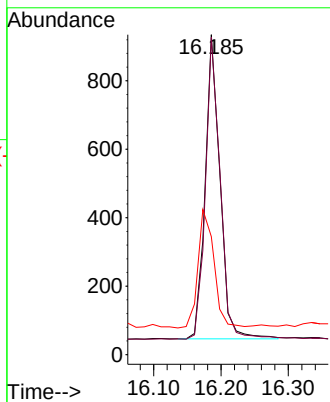
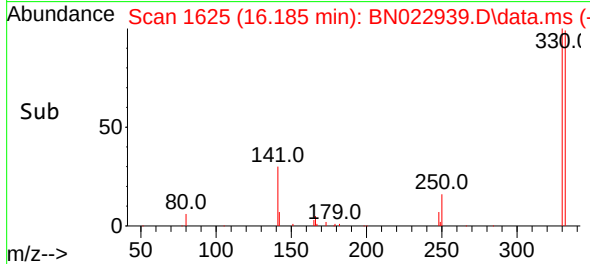
Instrument :  
BNA\_N  
ClientSampleId :  
RE120D1-20221116



Tgt Ion: 330 Resp: 1361  
Ion Ratio Lower Upper  
330 100  
332 98.5 76.5 114.7  
141 41.9 32.6 48.8

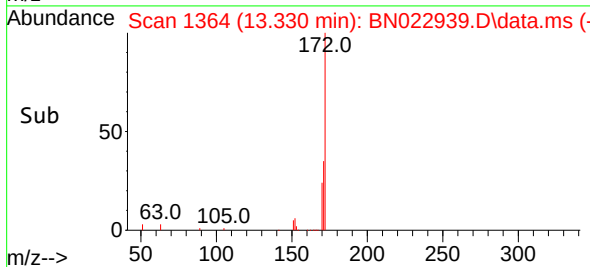
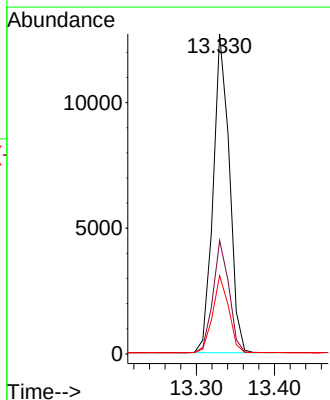
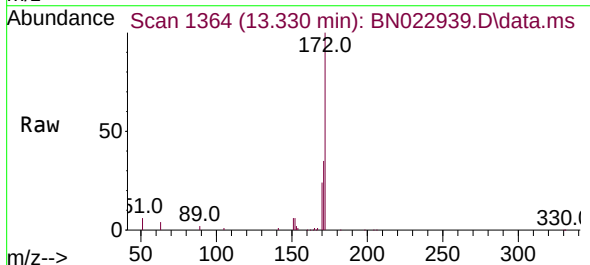
Manual Integrations  
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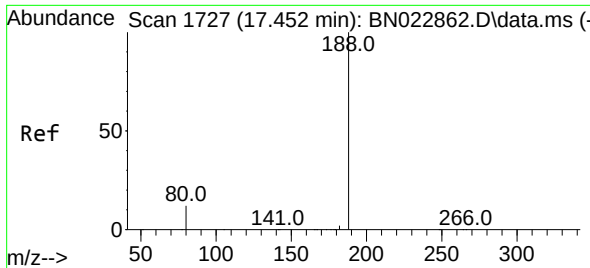
Reviewed By : Christian Giraldo 11/29/2022  
Supervised By : mohammad ahmed 12/01/2022



#15  
2-Fluorobiphenyl  
Concen: 0.369 ng  
RT: 13.330 min Scan# 1364  
Delta R.T. -0.000 min  
Lab File: BN022939.D  
Acq: 29 Nov 2022 05:48

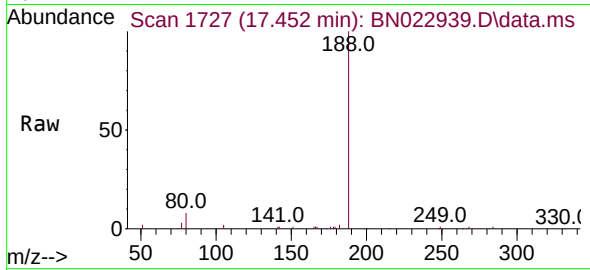
Tgt Ion: 172 Resp: 18280  
Ion Ratio Lower Upper  
172 100  
171 35.4 28.2 42.4  
170 24.5 19.3 28.9





#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.452 min Scan# 1119  
Delta R.T. -0.000 min  
Lab File: BN022939.D  
Acq: 29 Nov 2022 05:48

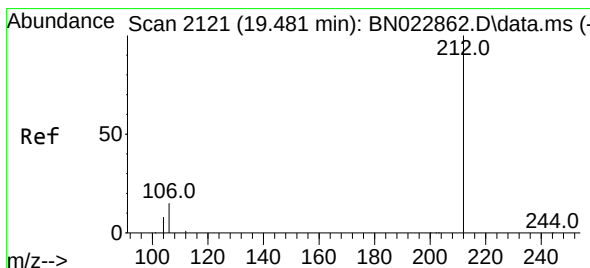
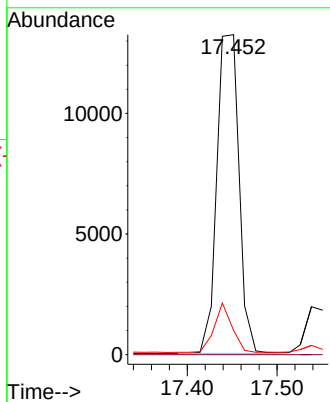
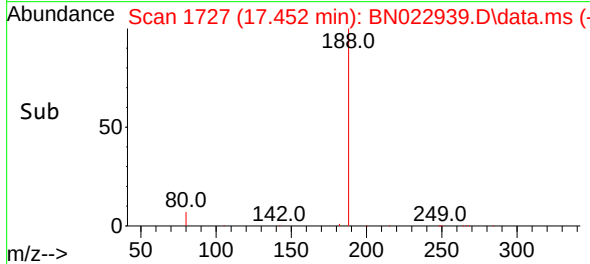
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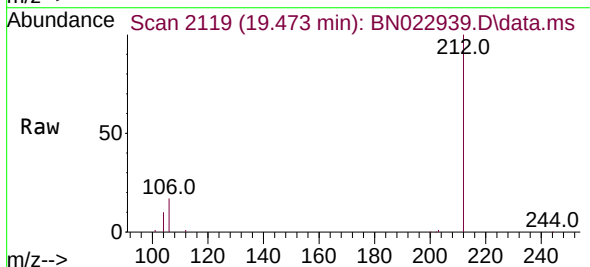
Tgt Ion:188 Resp: 22709  
Ion Ratio Lower Upper  
188 100  
94 0.0 0.0 0.0  
80 7.6 10.3 15.5

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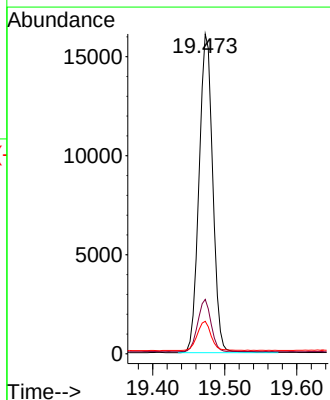
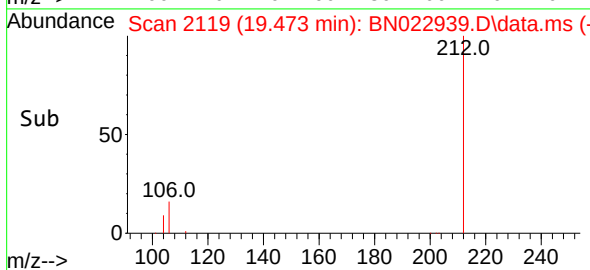
Reviewed By :Christian Giraldo 11/29/2022  
Supervised By :mohammad ahmed 12/01/2022



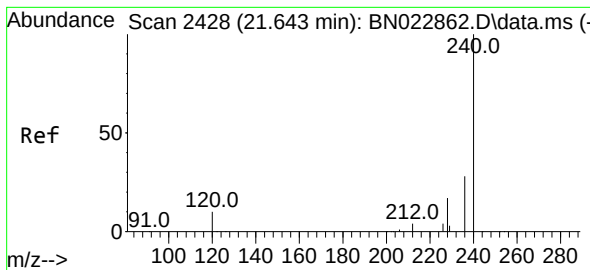
#27  
Fluoranthene-d10  
Concen: 0.344 ng  
RT: 19.473 min Scan# 2119  
Delta R.T. -0.004 min  
Lab File: BN022939.D  
Acq: 29 Nov 2022 05:48



Tgt Ion:212 Resp: 21228  
Ion Ratio Lower Upper  
212 100  
106 16.0 12.3 18.5  
104 9.5 7.0 10.4







#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.629 min Scan# 2427

Delta R.T. -0.005 min

Lab File: BN022939.D

Acq: 29 Nov 2022 05:48

Instrument :

BNA\_N

ClientSampleId :

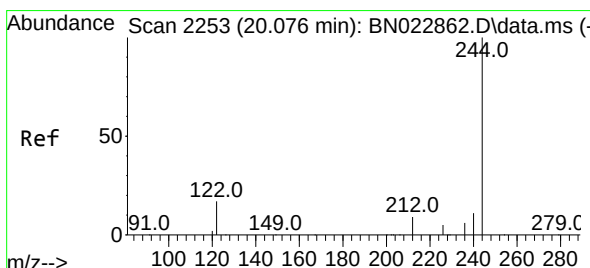
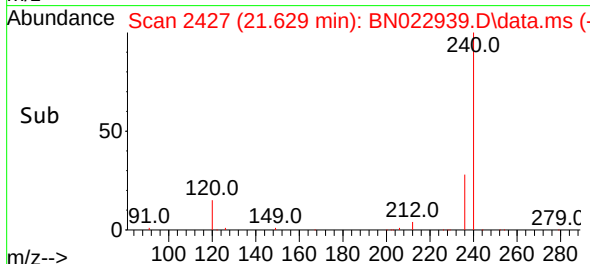
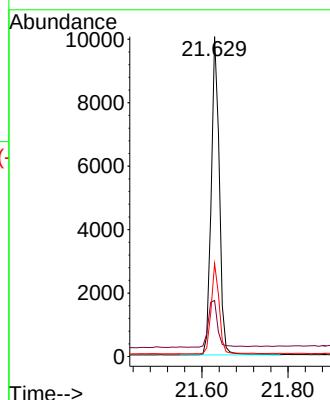
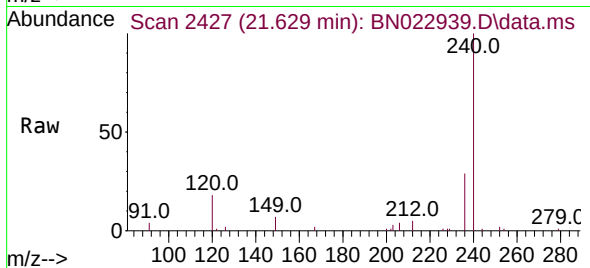
RE120D1-20221116

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:240 | Resp: | 13062     |
| Ion Ratio   | Lower | Upper     |
| 240         | 100   |           |
| 120         | 17.5  | 9.2 13.8  |
| 236         | 29.1  | 22.6 34.0 |

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#31

Terphenyl-d14

Concen: 0.443 ng

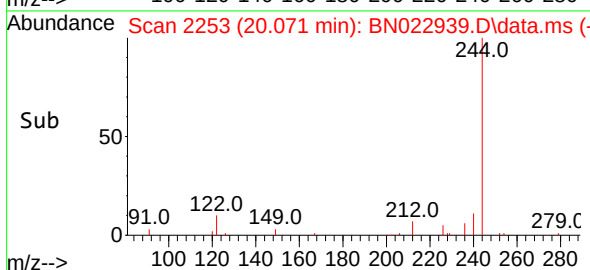
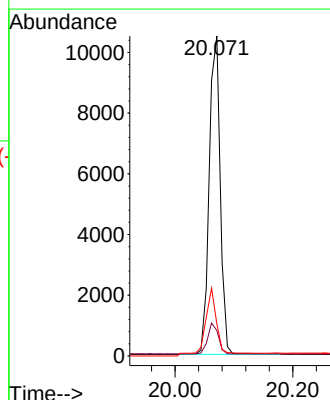
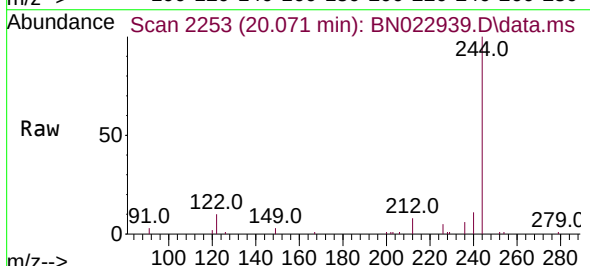
RT: 20.071 min Scan# 2253

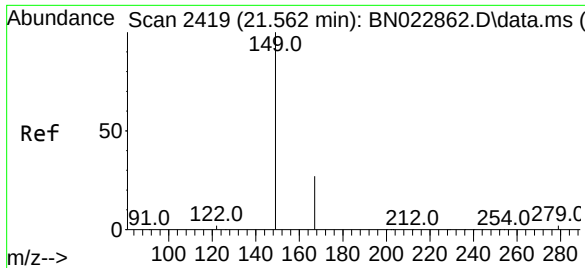
Delta R.T. 0.004 min

Lab File: BN022939.D

Acq: 29 Nov 2022 05:48

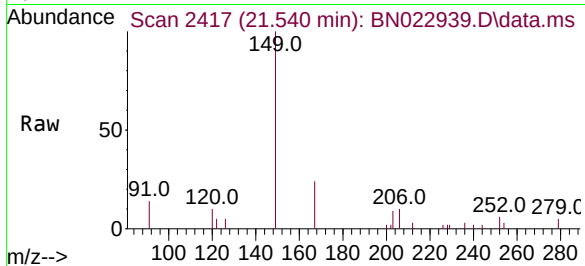
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:244 | Resp: | 13584     |
| Ion Ratio   | Lower | Upper     |
| 244         | 100   |           |
| 212         | 7.9   | 7.9 11.9  |
| 122         | 10.0  | 13.9 20.9 |





#34  
 Bis(2-ethylhexyl)phthalate  
 Concen: 0.126 ng  
 RT: 21.540 min Scan# 2417  
 Delta R.T. -0.005 min  
 Lab File: BN022939.D  
 Acq: 29 Nov 2022 05:48

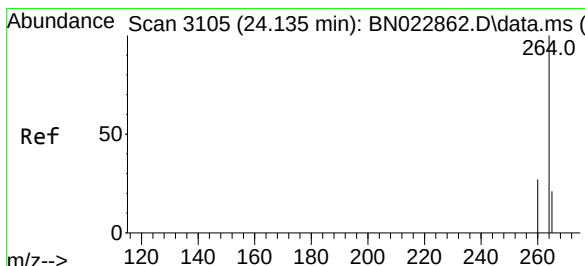
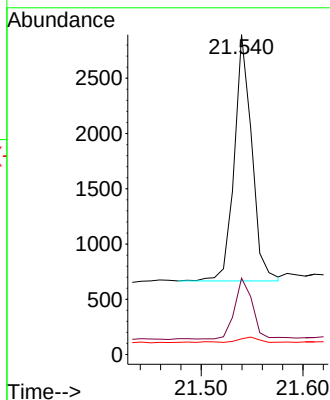
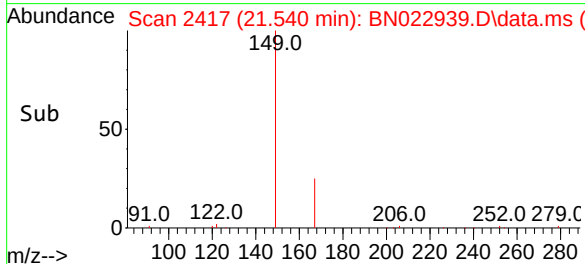
Instrument :  
 BNA\_N  
 ClientSampleId :  
 RE120D1-20221116



Tgt Ion:149 Resp: 2664  
 Ion Ratio Lower Upper  
 149 100  
 167 25.4 21.3 31.9  
 279 2.9 2.3 3.5

Manual Integrations  
 APPROVED

Reviewed By :Christian Giraldo 11/29/2022  
 Supervised By :mohammad ahmed 12/01/2022



#35  
 Perylene-d12  
 Concen: 0.400 ng  
 RT: 24.119 min Scan# 3099  
 Delta R.T. -0.005 min  
 Lab File: BN022939.D  
 Acq: 29 Nov 2022 05:48

Tgt Ion:264 Resp: 8618  
 Ion Ratio Lower Upper  
 264 100  
 260 27.9 21.7 32.5  
 265 66.0 31.0 46.4#

