

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN112922\  
 Data File : BN022928.D  
 Acq On : 28 Nov 2022 22:26  
 Operator : CG/JU  
 Sample : PB149143BL  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 PB149143BL

Manual Integrations  
 APPROVED

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

Quant Time: Nov 29 05:23:09 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  | 7556     | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8           | 10.882 | 136  | 20134    | 0.400 | ng    | 0.00     |
| 13) Acenaphthene-d10        | 14.698 | 164  | 10133    | 0.400 | ng    | 0.00     |
| 19) Phenanthrene-d10        | 17.452 | 188  | 20084    | 0.400 | ng    | # 0.00   |
| 29) Chrysene-d12            | 21.634 | 240  | 10214    | 0.400 | ng    | 0.00     |
| 35) Perylene-d12            | 24.120 | 264  | 7213     | 0.400 | ng    | # 0.00   |
| System Monitoring Compounds |        |      |          |       |       |          |
| 4) 2-Fluorophenol           | 5.601  | 112  | 7467     | 0.380 | ng    | 0.00     |
| 5) Phenol-d6                | 7.212  | 99   | 9543     | 0.382 | ng    | 0.00     |
| 8) Nitrobenzene-d5          | 9.228  | 82   | 5425m    | 0.347 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10 | 12.469 | 152  | 12817    | 0.294 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol    | 16.186 | 330  | 1382     | 0.282 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl        | 13.330 | 172  | 18090    | 0.390 | ng    | 0.00     |
| 27) Fluoranthene-d10        | 19.473 | 212  | 16459    | 0.302 | ng    | 0.00     |
| 31) Terphenyl-d14           | 20.067 | 244  | 11154    | 0.465 | ng    | 0.00     |

Target Compounds Qvalue

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

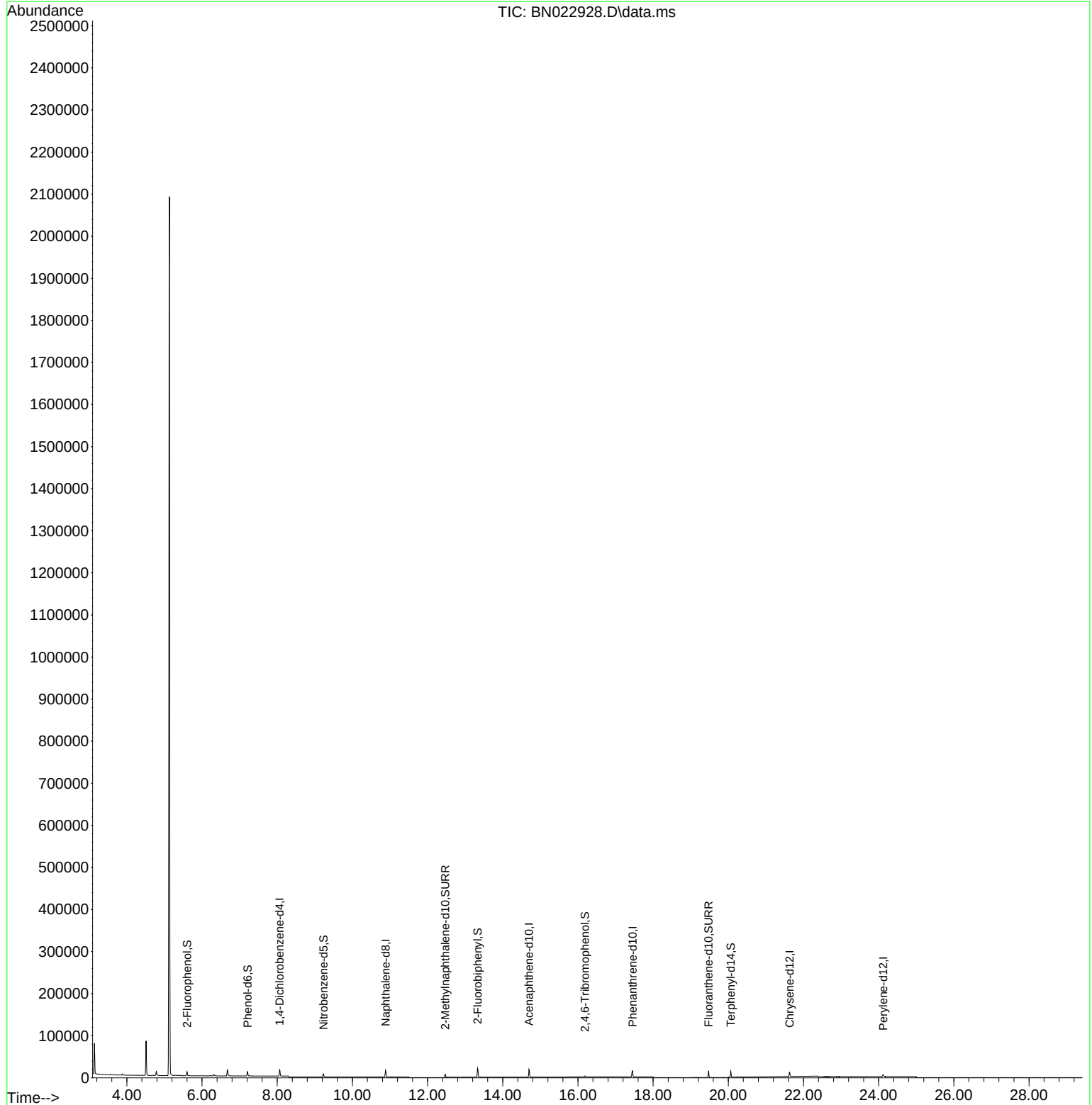
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN112922\  
Data File : BN022928.D  
Acq On : 28 Nov 2022 22:26  
Operator : CG/JU  
Sample : PB149143BL  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

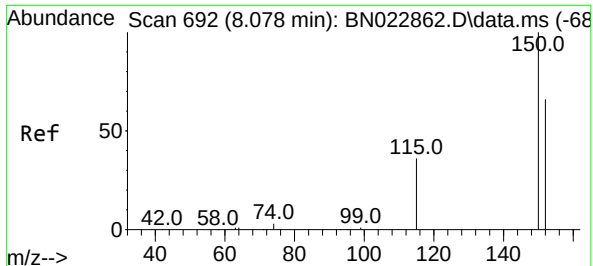
Instrument :  
BNA\_N  
ClientSampleId :  
PB149143BL

Manual Integrations  
APPROVED

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

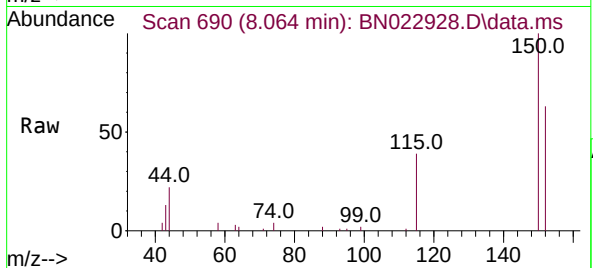
Quant Time: Nov 29 05:23:09 2022  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN112522.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Nov 29 05:14:21 2022  
Response via : Initial Calibration





#1  
 1,4-Dichlorobenzene-d4  
 Concen: 0.400 ng  
 RT: 8.064 min Scan# 692  
 Delta R.T. -0.000 min  
 Lab File: BN022928.D  
 Acq: 28 Nov 2022 22:26

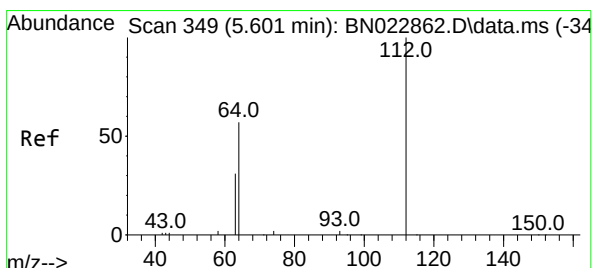
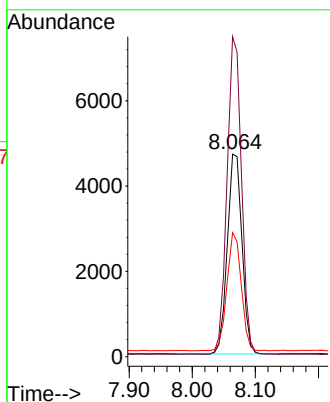
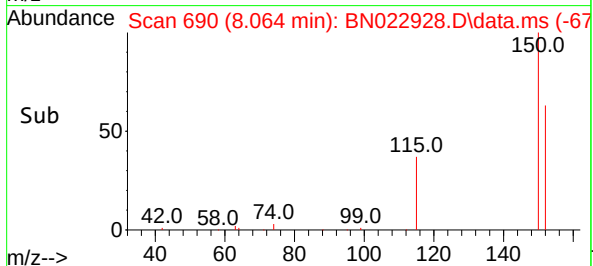
Instrument :  
 BNA\_N  
 ClientSampleId :  
 PB149143BL



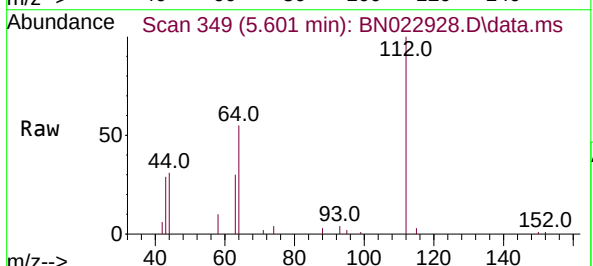
Tgt Ion:152 Resp: 7556  
 Ion Ratio Lower Upper  
 152 100  
 150 158.1 121.2 181.8  
 115 61.2 46.2 69.4

Manual Integrations  
 APPROVED

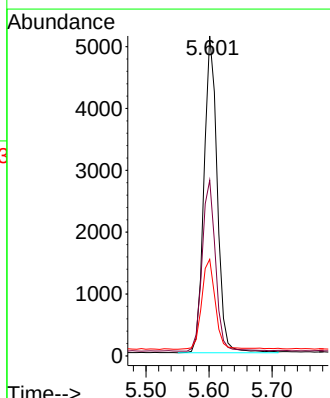
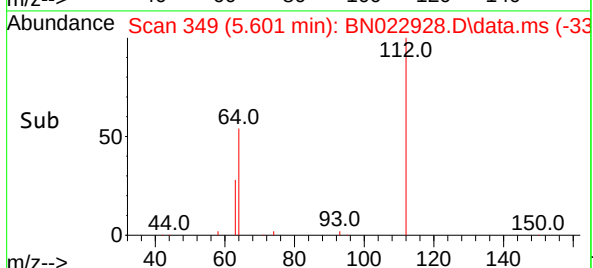
Reviewed By :Christian Giraldo 11/29/2022  
 Supervised By :mohammad ahmed 12/01/2022

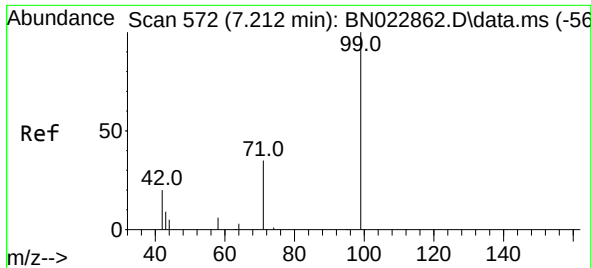


#4  
 2-Fluorophenol  
 Concen: 0.380 ng  
 RT: 5.601 min Scan# 349  
 Delta R.T. -0.000 min  
 Lab File: BN022928.D  
 Acq: 28 Nov 2022 22:26



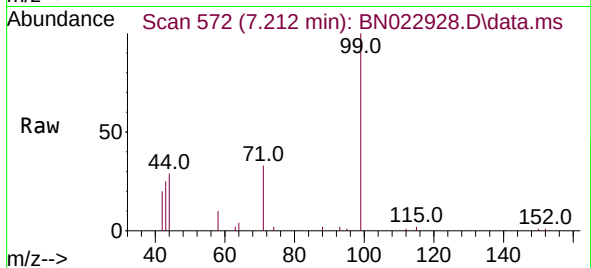
Tgt Ion:112 Resp: 7467  
 Ion Ratio Lower Upper  
 112 100  
 64 54.6 43.4 65.2  
 63 29.0 23.4 35.2





#5  
Phenol-d6  
Concen: 0.382 ng  
RT: 7.212 min Scan# 51  
Delta R.T. -0.000 min  
Lab File: BN022928.D  
Acq: 28 Nov 2022 22:26

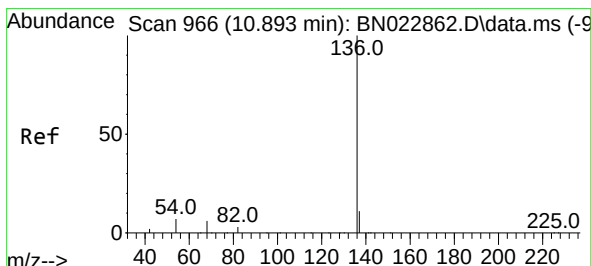
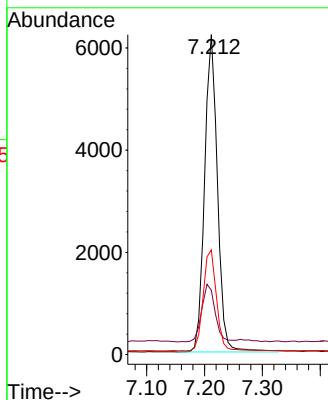
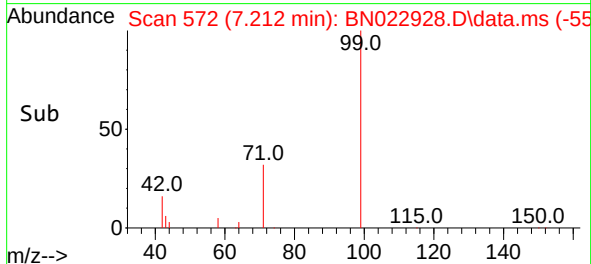
Instrument :  
BNA\_N  
ClientSampleId :  
PB149143BL



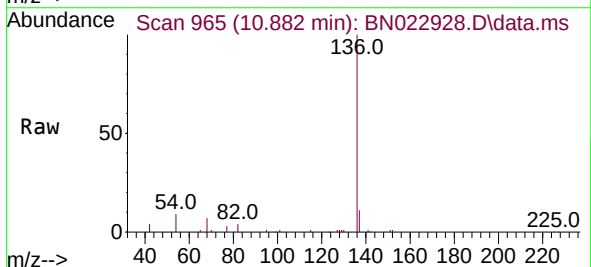
Tgt Ion: 99 Resp: 954  
Ion Ratio Lower Upper  
99 100  
42 18.9 16.0 24.0  
71 33.1 26.8 40.2

Manual Integrations  
APPROVED

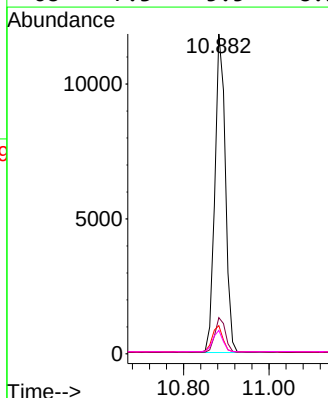
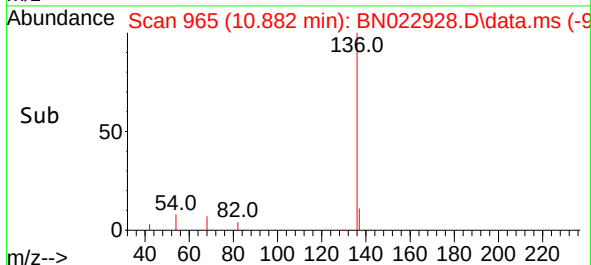
Reviewed By :Christian Giraldo 11/29/2022  
Supervised By :mohammad ahmed 12/01/2022

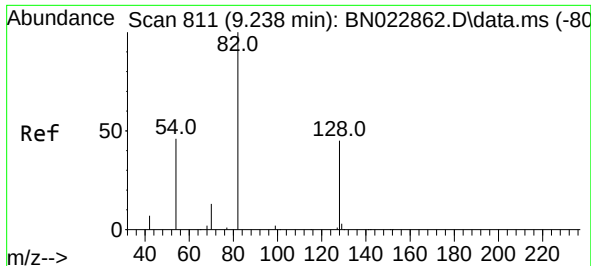


#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.882 min Scan# 965  
Delta R.T. -0.000 min  
Lab File: BN022928.D  
Acq: 28 Nov 2022 22:26



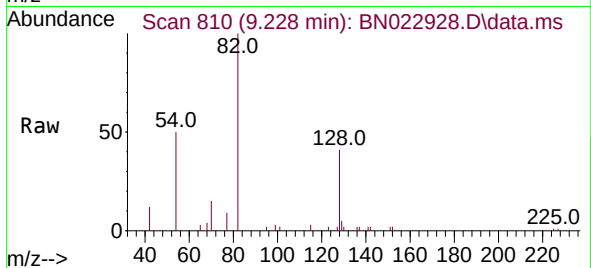
Tgt Ion:136 Resp: 20134  
Ion Ratio Lower Upper  
136 100  
137 11.3 9.0 13.4  
54 8.8 6.6 9.8  
68 7.3 5.5 8.3





#8  
Nitrobenzene-d5  
Concen: 0.347 ng m  
RT: 9.228 min Scan# 811  
Delta R.T. -0.000 min  
Lab File: BN022928.D  
Acq: 28 Nov 2022 22:26

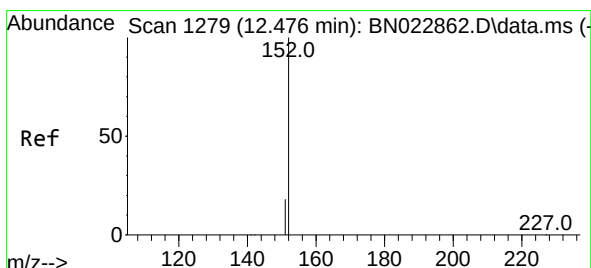
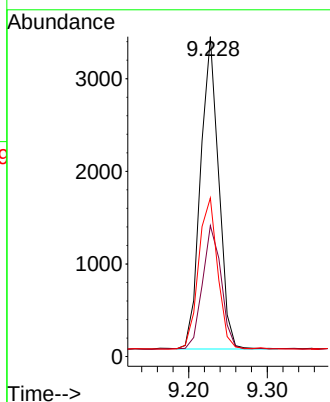
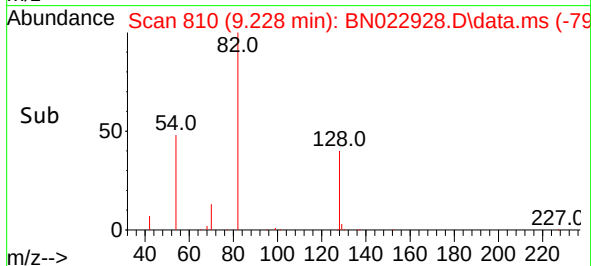
Instrument :  
BNA\_N  
ClientSampleId :  
PB149143BL



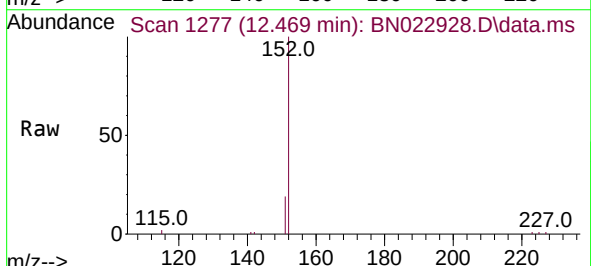
Tgt Ion: 82 Resp: 5425  
Ion Ratio Lower Upper  
82 100  
128 40.9 36.6 54.8  
54 49.6 38.5 57.7

Manual Integrations  
APPROVED

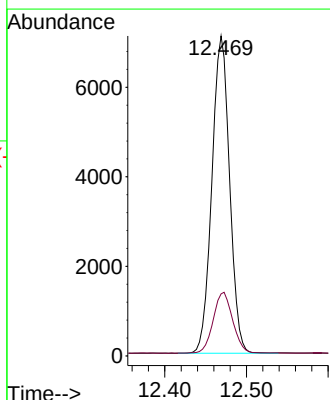
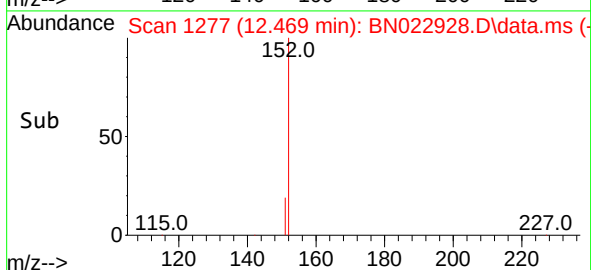
Reviewed By :Christian Giraldo 11/29/2022  
Supervised By :mohammad ahmed 12/01/2022

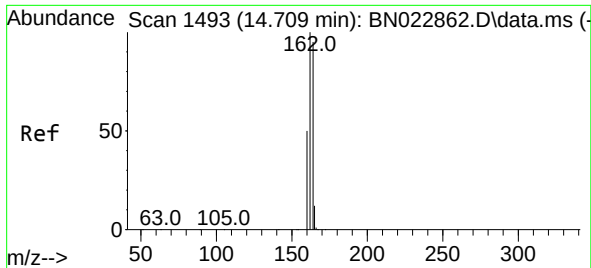


#11  
2-Methylnaphthalene-d10  
Concen: 0.294 ng  
RT: 12.469 min Scan# 1277  
Delta R.T. -0.000 min  
Lab File: BN022928.D  
Acq: 28 Nov 2022 22:26



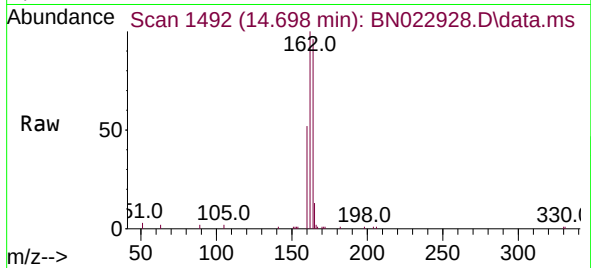
Tgt Ion:152 Resp: 12817  
Ion Ratio Lower Upper  
152 100  
151 23.2 18.6 27.8





#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.698 min Scan# 1493  
Delta R.T. -0.000 min  
Lab File: BN022928.D  
Acq: 28 Nov 2022 22:26

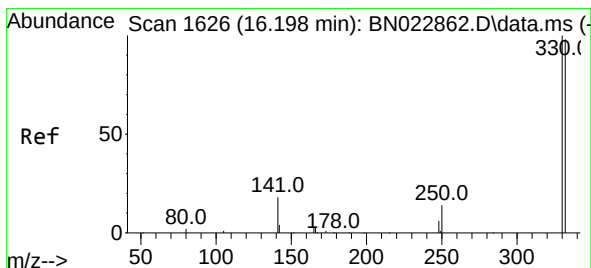
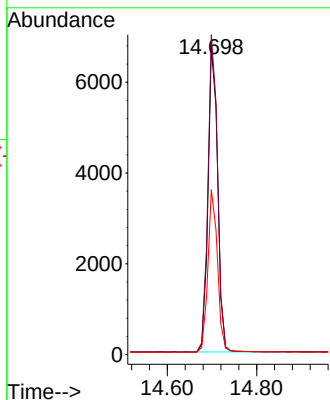
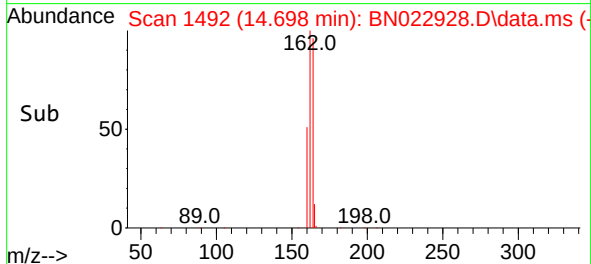
Instrument :  
BNA\_N  
ClientSampleId :  
PB149143BL



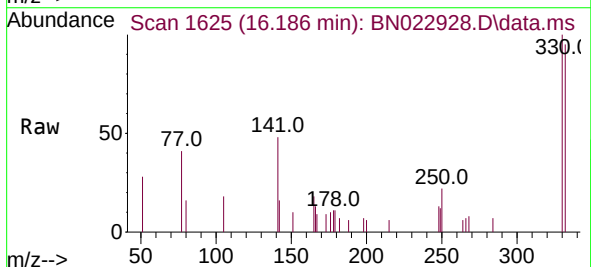
Tgt Ion:164 Resp: 10133  
Ion Ratio Lower Upper  
164 100  
162 104.2 84.2 126.4  
160 53.7 42.5 63.7

Manual Integrations  
APPROVED

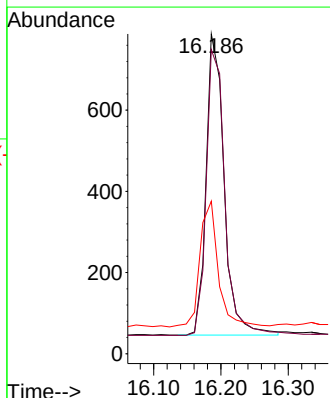
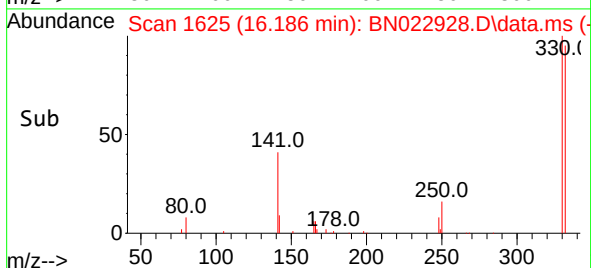
Reviewed By :Christian Giraldo 11/29/2022  
Supervised By :mohammad ahmed 12/01/2022

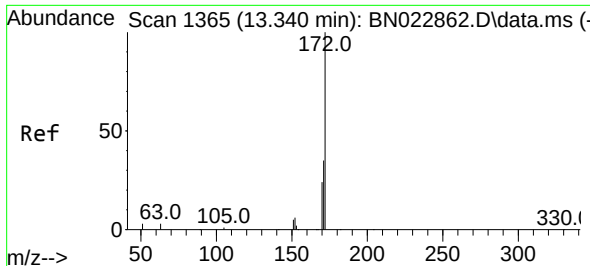


#14  
2,4,6-Tribromophenol  
Concen: 0.282 ng  
RT: 16.186 min Scan# 1625  
Delta R.T. -0.000 min  
Lab File: BN022928.D  
Acq: 28 Nov 2022 22:26



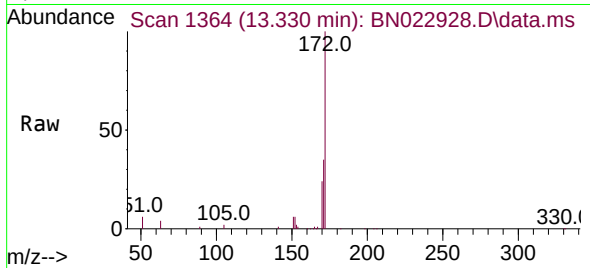
Tgt Ion:330 Resp: 1382  
Ion Ratio Lower Upper  
330 100  
332 98.3 76.5 114.7  
141 42.3 32.6 48.8





#15  
2-Fluorobiphenyl  
Concen: 0.390 ng  
RT: 13.330 min Scan# 1365  
Delta R.T. -0.000 min  
Lab File: BN022928.D  
Acq: 28 Nov 2022 22:26

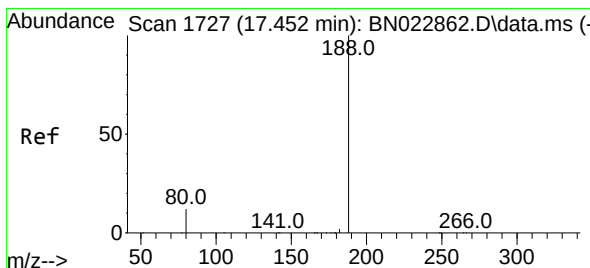
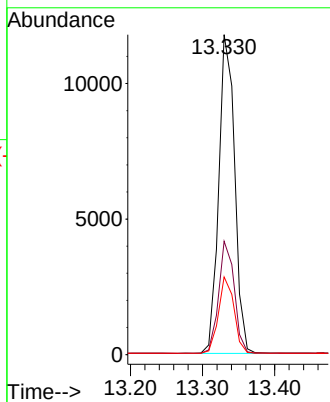
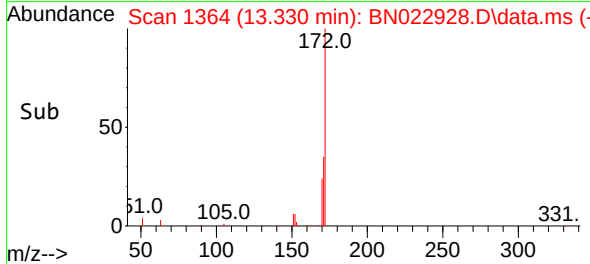
Instrument :  
BNA\_N  
ClientSampleId :  
PB149143BL



Tgt Ion:172 Resp: 18090  
Ion Ratio Lower Upper  
172 100  
171 35.4 28.2 42.4  
170 24.3 19.3 28.9

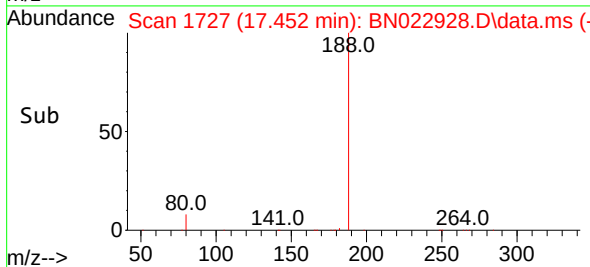
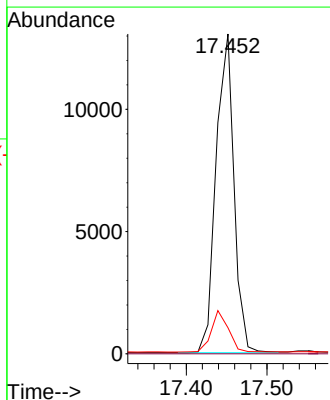
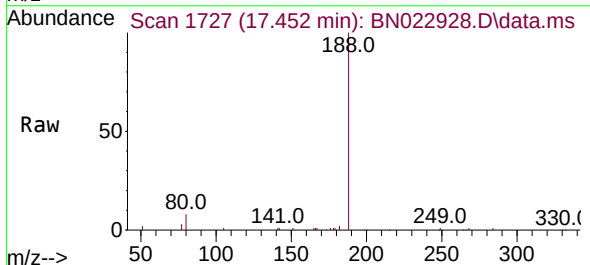
Manual Integrations  
APPROVED

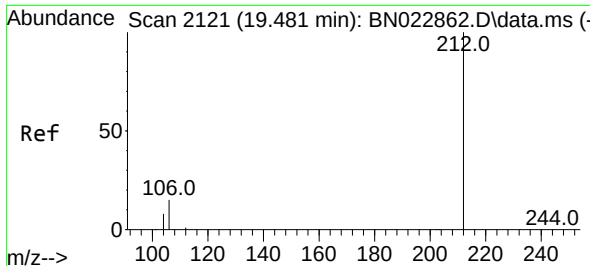
Reviewed By :Christian Giraldo 11/29/2022  
Supervised By :mohammad ahmed 12/01/2022



#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.452 min Scan# 1727  
Delta R.T. -0.000 min  
Lab File: BN022928.D  
Acq: 28 Nov 2022 22:26

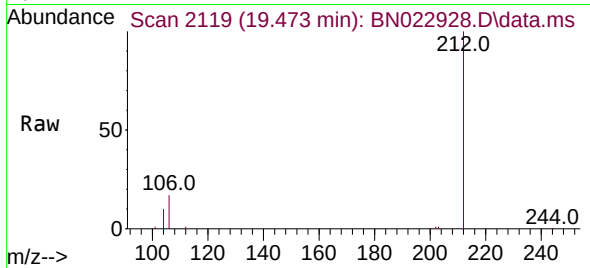
Tgt Ion:188 Resp: 20084  
Ion Ratio Lower Upper  
188 100  
94 0.0 0.0 0.0  
80 8.2 10.3 15.5#





#27  
Fluoranthene-d10  
Concen: 0.302 ng  
RT: 19.473 min Scan# 2119  
Delta R.T. -0.004 min  
Lab File: BN022928.D  
Acq: 28 Nov 2022 22:26

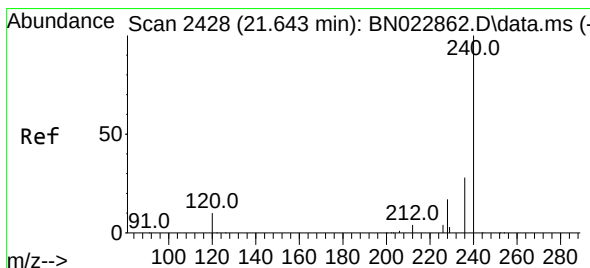
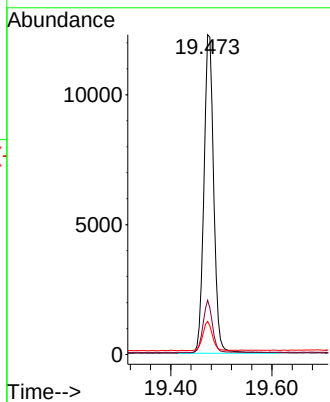
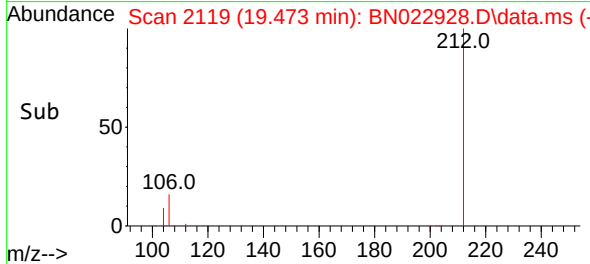
Instrument :  
BNA\_N  
ClientSampleId :  
PB149143BL



Tgt Ion:212 Resp: 16459  
Ion Ratio Lower Upper  
212 100  
106 15.7 12.3 18.5  
104 8.8 7.0 10.4

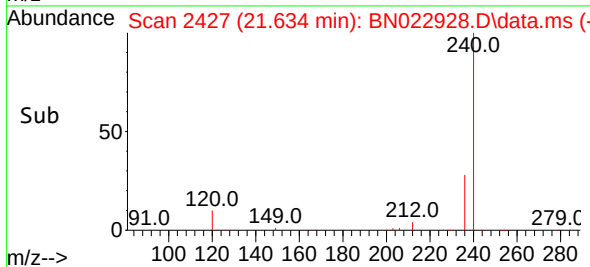
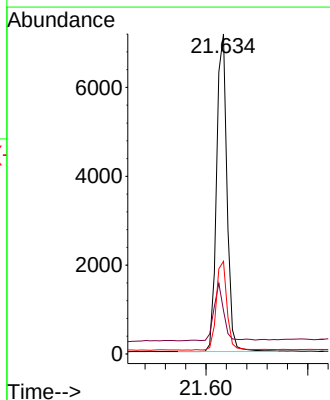
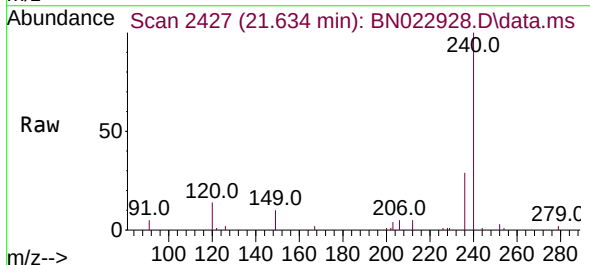
Manual Integrations  
APPROVED

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

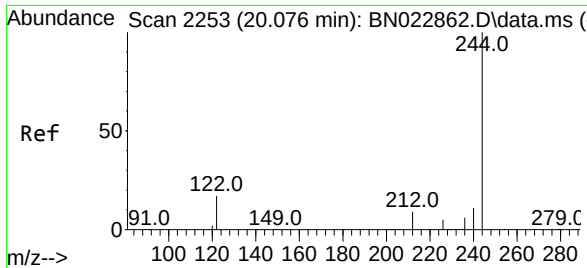


#29  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.634 min Scan# 2427  
Delta R.T. -0.000 min  
Lab File: BN022928.D  
Acq: 28 Nov 2022 22:26

Tgt Ion:240 Resp: 10214  
Ion Ratio Lower Upper  
240 100  
120 13.6 9.2 13.8  
236 28.9 22.6 34.0

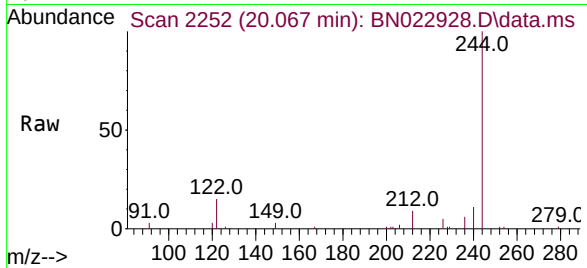






#31  
 Terphenyl-d14  
 Concen: 0.465 ng  
 RT: 20.067 min Scan# 211  
 Delta R.T. -0.000 min  
 Lab File: BN022928.D  
 Acq: 28 Nov 2022 22:26

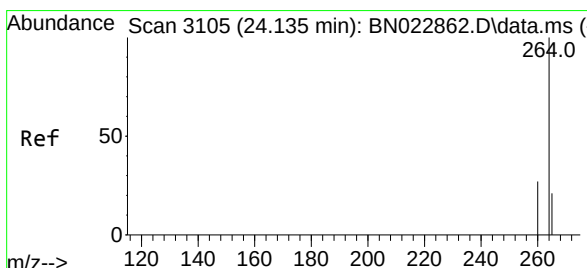
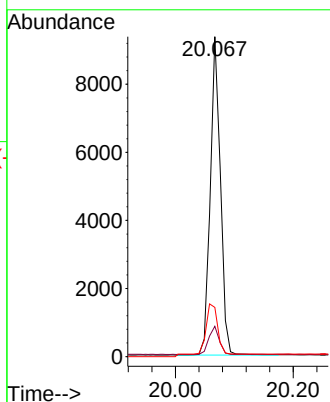
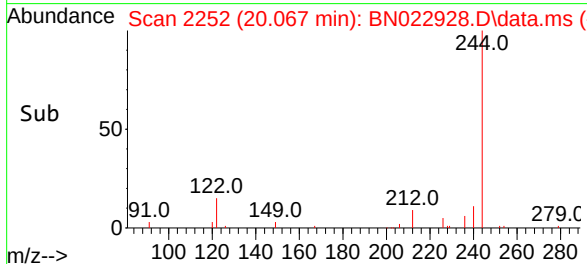
Instrument :  
 BNA\_N  
 ClientSampleId :  
 PB149143BL



Tgt Ion:244 Resp: 11154  
 Ion Ratio Lower Upper  
 244 100  
 212 9.5 7.9 11.9  
 122 15.4 13.9 20.9

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: 24.120 min Scan# 3100  
 Delta R.T. -0.003 min  
 Lab File: BN022928.D  
 Acq: 28 Nov 2022 22:26

Tgt Ion:264 Resp: 7213  
 Ion Ratio Lower Upper  
 264 100  
 260 28.0 21.7 32.5  
 265 76.9 31.0 46.4#

