

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN122324\  
 Data File : BN035782.D  
 Acq On : 23 Dec 2024 13:54  
 Operator : RC/JU  
 Sample : P5317-18 2X  
 Misc :  
 ALS Vial : 64 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 RE132D5-20241217

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 12/24/2024  
 Supervised By :mohammad ahmed 12/26/2024

Quant Time: Dec 23 14:44:50 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN112724.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Dec 19 23:06:19 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.264  | 152  | 3288     | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.009 | 136  | 7965     | 0.400 | ng    | -0.01    |
| 13) Acenaphthene-d10          | 13.924 | 164  | 4994     | 0.400 | ng    | -0.01    |
| 19) Phenanthrene-d10          | 16.698 | 188  | 9917     | 0.400 | ng    | # 0.00   |
| 29) Chrysene-d12              | 20.947 | 240  | 7844     | 0.400 | ng    | # 0.00   |
| 35) Perylene-d12              | 23.032 | 264  | 8048     | 0.400 | ng    | # 0.00   |
|                               |        |      |          |       |       |          |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 4.932  | 112  | 387      | 0.047 | ng    | 0.00     |
| 5) Phenol-d6                  | 6.484  | 99   | 228      | 0.023 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 8.418  | 82   | 801m     | 0.165 | ng    | 0.01     |
| 11) 2-Methylnaphthalene-d10   | 11.621 | 152  | 1996     | 0.160 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 15.453 | 330  | 255      | 0.072 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl          | 12.539 | 172  | 3214     | 0.170 | ng    | 0.00     |
| 27) Fluoranthene-d10          | 18.752 | 212  | 5431     | 0.193 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.379 | 244  | 4148     | 0.268 | ng    | 0.00     |
|                               |        |      |          |       |       |          |
| Target Compounds              |        |      |          |       |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.974  | 88   | 9692     | 3.083 | ng    | 99       |
| 34) Bis(2-ethylhexyl)phtha... | 20.902 | 149  | 619      | 0.057 | ng    | # 98     |
| -----                         |        |      |          |       |       |          |

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

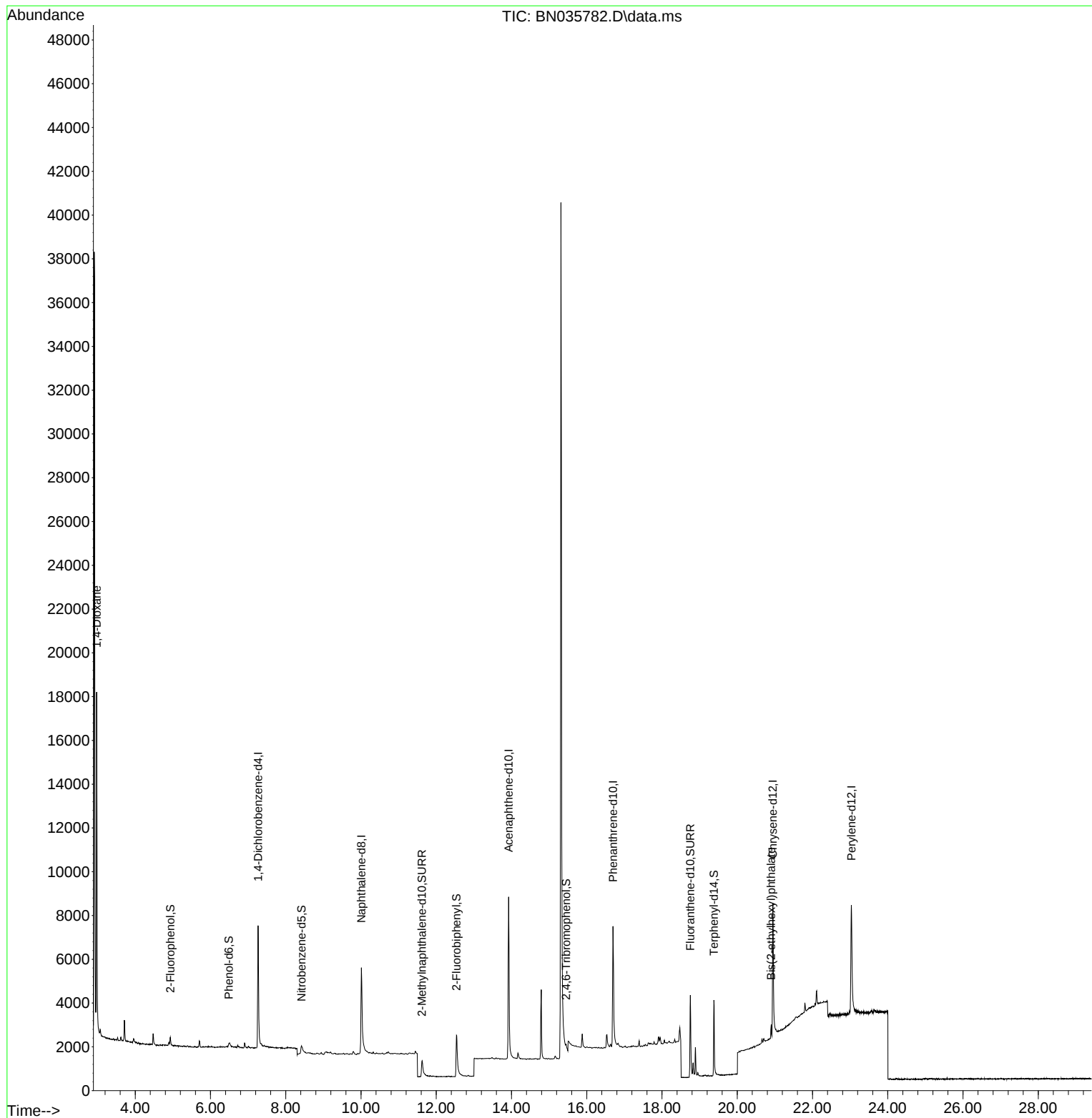
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN122324\  
Data File : BN035782.D  
Acq On : 23 Dec 2024 13:54  
Operator : RC/JU  
Sample : P5317-18 2X  
Misc :  
ALS Vial : 64 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
RE132D5-20241217

Quant Time: Dec 23 14:44:50 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN112724.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Dec 19 23:06:19 2024  
Response via : Initial Calibration

Manual Integrations  
APPROVED

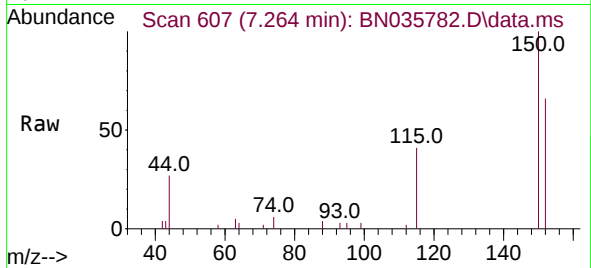
Reviewed By :Yogesh Patel 12/24/2024  
Supervised By :mohammad ahmed 12/26/2024





#1  
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.264 min Scan# 60  
Delta R.T. -0.008 min  
Lab File: BN035782.D  
Acq: 23 Dec 2024 13:54

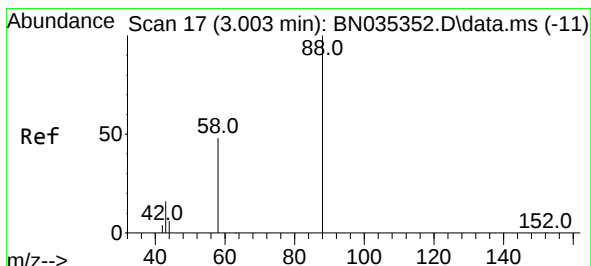
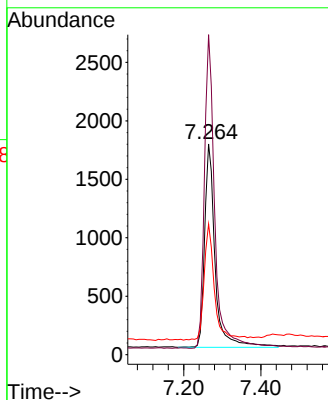
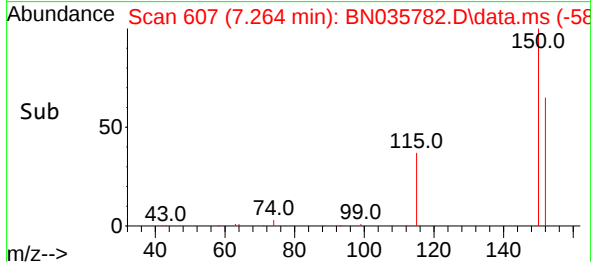
Instrument :  
BNA\_N  
ClientSampleId :  
RE132D5-20241217



Tgt Ion:152 Resp: 328  
Ion Ratio Lower Upper  
152 100  
150 151.8 124.0 186.0  
115 62.0 49.6 74.4

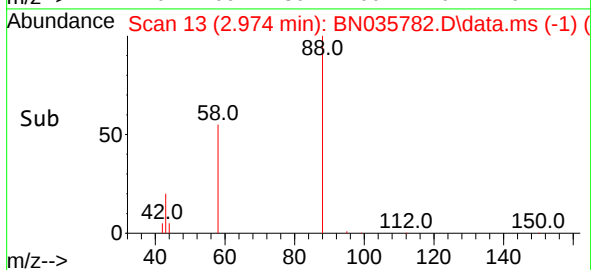
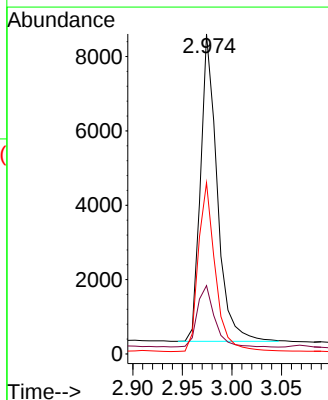
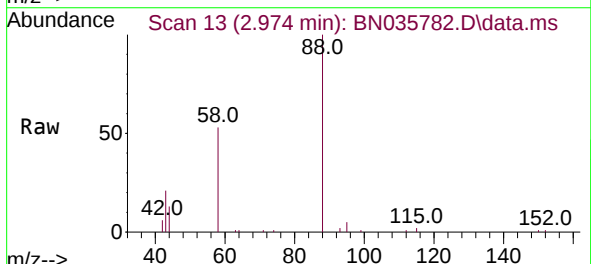
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 12/24/2024  
Supervised By :mohammad ahmed 12/26/2024



#2  
1,4-Dioxane  
Concen: 3.083 ng  
RT: 2.974 min Scan# 13  
Delta R.T. -0.007 min  
Lab File: BN035782.D  
Acq: 23 Dec 2024 13:54

Tgt Ion: 88 Resp: 9692  
Ion Ratio Lower Upper  
88 100  
43 21.0 17.2 25.8  
58 56.0 44.5 66.7





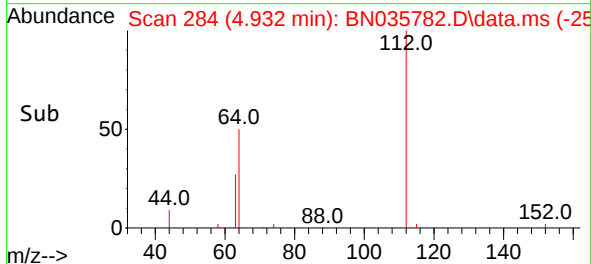
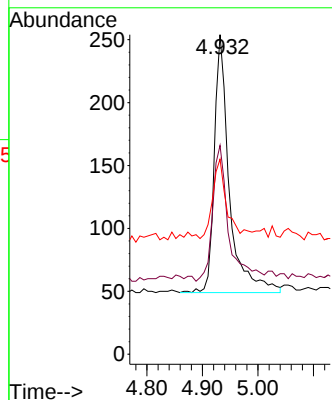
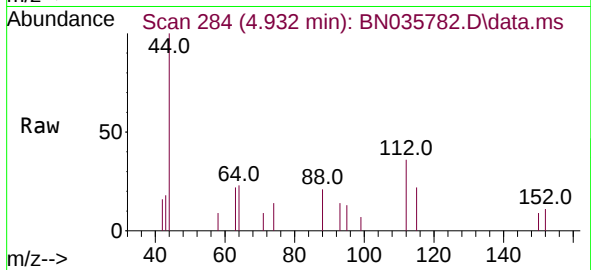
#4  
2-Fluorophenol  
Concen: 0.047 ng  
RT: 4.932 min Scan# 289  
Delta R.T. -0.007 min  
Lab File: BN035782.D  
Acq: 23 Dec 2024 13:54

Instrument :  
BNA\_N  
ClientSampleId :  
RE132D5-20241217

Tgt Ion:112 Resp: 387  
Ion Ratio Lower Upper  
112 100  
64 56.3 39.8 59.8  
63 29.5 21.0 31.6

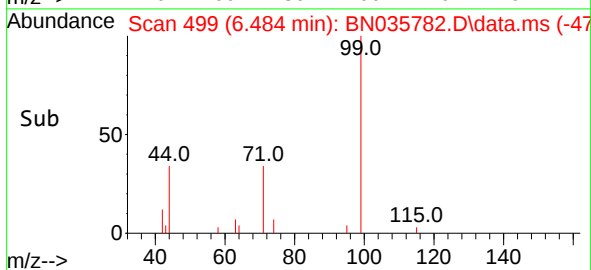
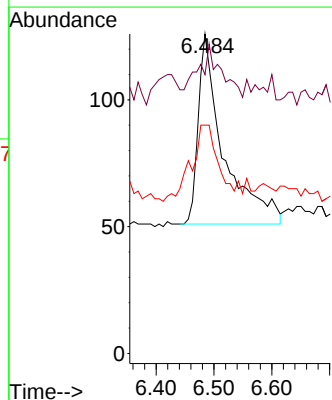
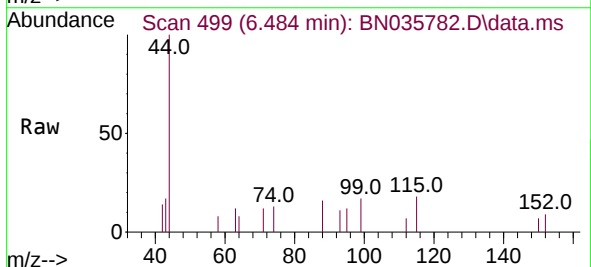
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 12/24/2024  
Supervised By :mohammad ahmed 12/26/2024



#5  
Phenol-d6  
Concen: 0.023 ng  
RT: 6.484 min Scan# 499  
Delta R.T. -0.007 min  
Lab File: BN035782.D  
Acq: 23 Dec 2024 13:54

Tgt Ion: 99 Resp: 228  
Ion Ratio Lower Upper  
99 100  
42 24.1 11.4 17.2#  
71 42.5 29.3 43.9





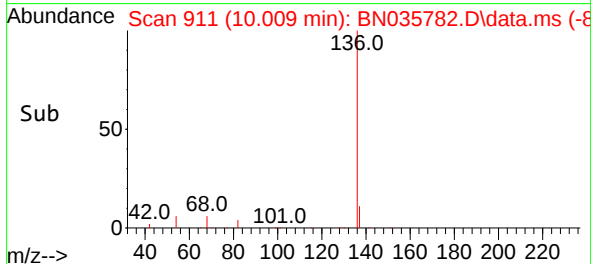
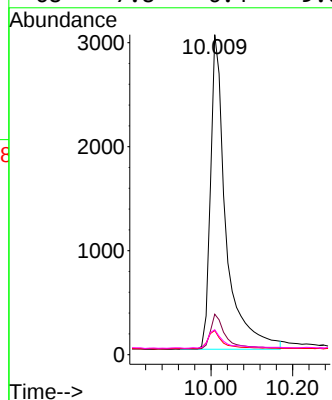
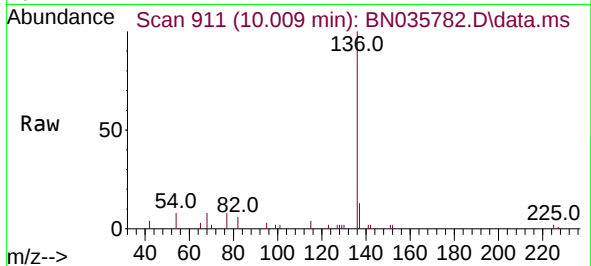
#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.009 min Scan# 915  
Delta R.T. -0.011 min  
Lab File: BN035782.D  
Acq: 23 Dec 2024 13:54

Instrument :  
BNA\_N  
ClientSampleId :  
RE132D5-20241217

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 136   | Resp: | 796  |
| Ion Ratio | Lower | Upper |      |
| 136       | 100   |       |      |
| 137       | 12.7  | 10.2  | 15.2 |
| 54        | 7.6   | 6.1   | 9.1  |
| 68        | 7.8   | 6.4   | 9.6  |

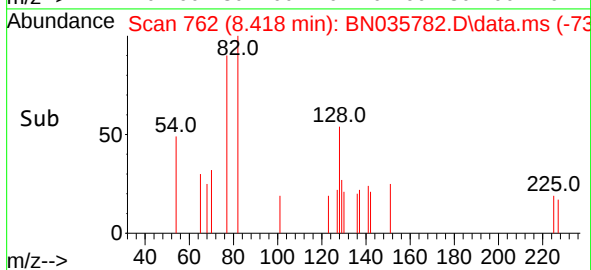
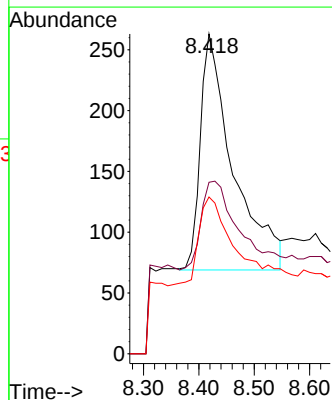
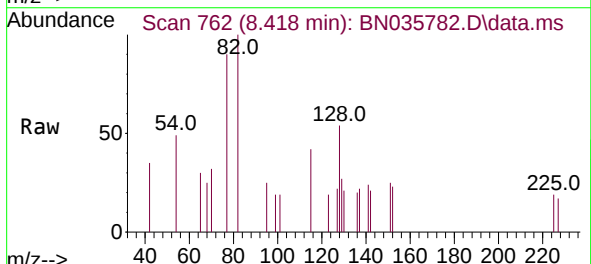
Manual Integrations  
APPROVED

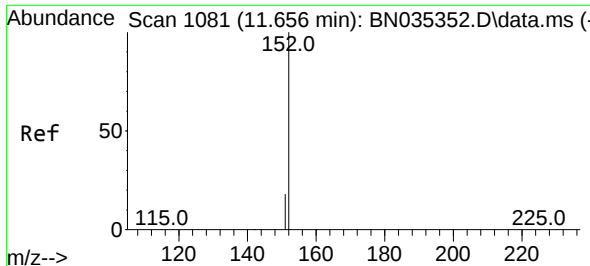
Reviewed By :Yogesh Patel 12/24/2024  
Supervised By :mohammad ahmed 12/26/2024



#8  
Nitrobenzene-d5  
Concen: 0.165 ng m  
RT: 8.418 min Scan# 762  
Delta R.T. 0.011 min  
Lab File: BN035782.D  
Acq: 23 Dec 2024 13:54

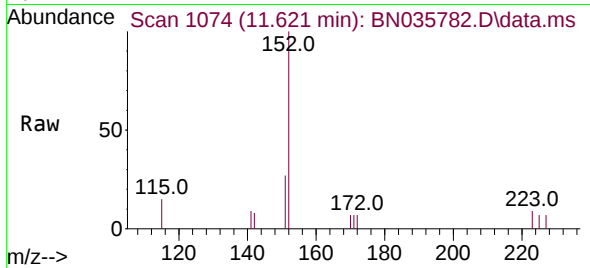
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 82    | Resp: | 801  |
| Ion Ratio | Lower | Upper |      |
| 82        | 100   |       |      |
| 128       | 53.6  | 33.4  | 50.0 |
| 54        | 49.0  | 36.7  | 55.1 |





#11  
2-Methylnaphthalene-d10  
Concen: 0.160 ng  
RT: 11.621 min Scan# 1081  
Delta R.T. -0.000 min  
Lab File: BN035782.D  
Acq: 23 Dec 2024 13:54

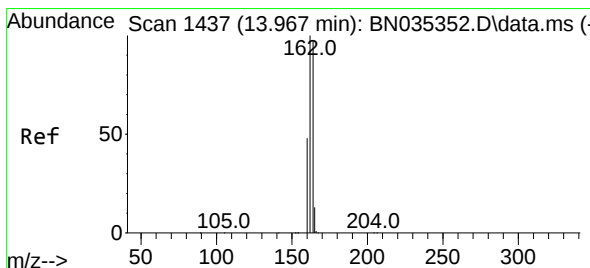
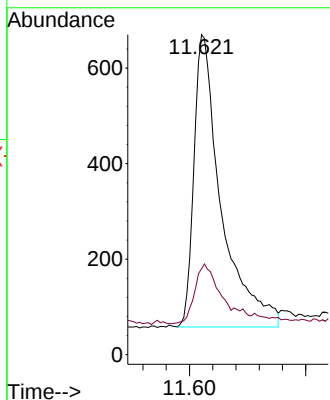
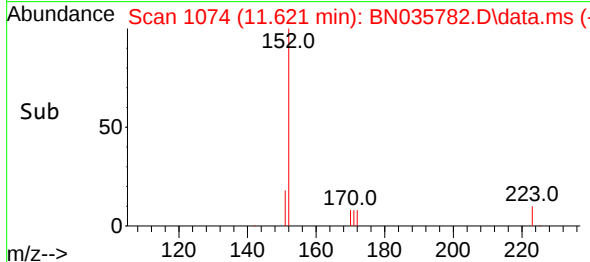
Instrument :  
BNA\_N  
ClientSampleId :  
RE132D5-20241217



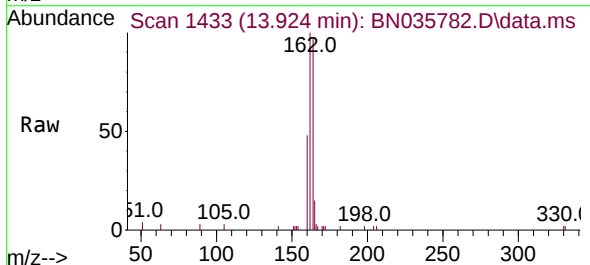
Tgt Ion:152 Resp: 1990  
Ion Ratio Lower Upper  
152 100  
151 20.4 16.6 25.0

Manual Integrations  
APPROVED

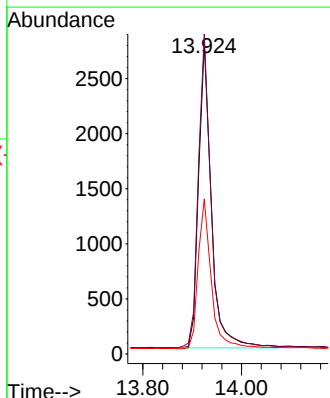
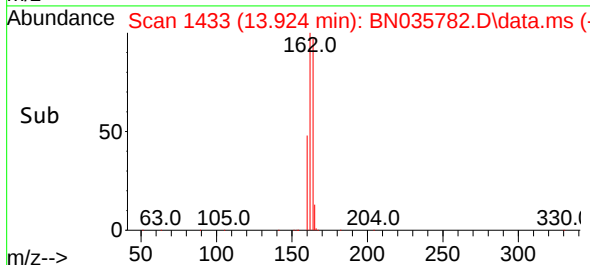
Reviewed By :Yogesh Patel 12/24/2024  
Supervised By :mohammad ahmed 12/26/2024

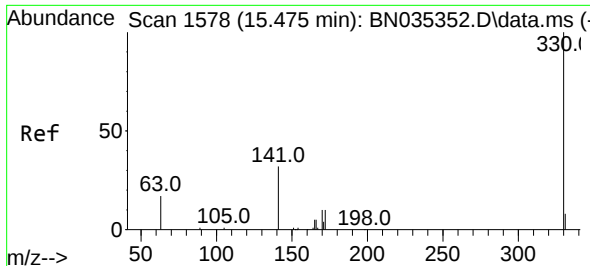


#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 13.924 min Scan# 1433  
Delta R.T. -0.011 min  
Lab File: BN035782.D  
Acq: 23 Dec 2024 13:54



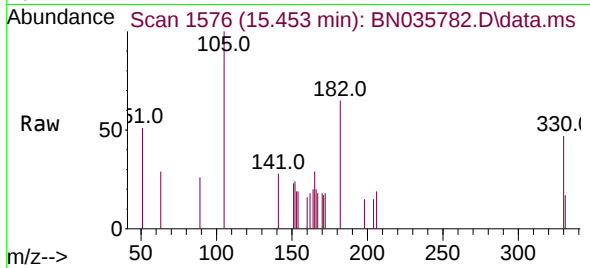
Tgt Ion:164 Resp: 4994  
Ion Ratio Lower Upper  
164 100  
162 103.1 82.2 123.2  
160 50.0 40.1 60.1





#14  
2,4,6-Tribromophenol  
Concen: 0.072 ng  
RT: 15.453 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BN035782.D  
Acq: 23 Dec 2024 13:54

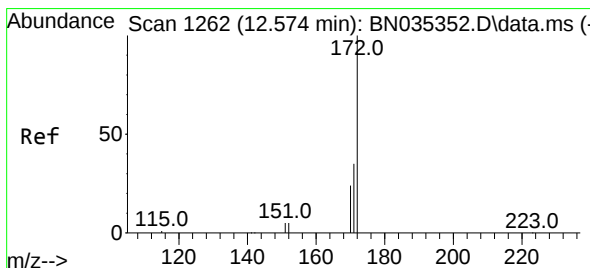
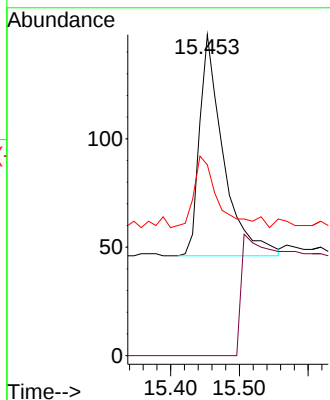
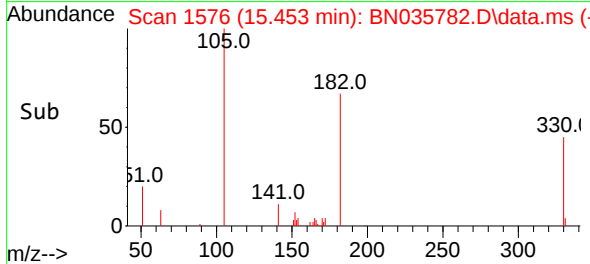
Instrument :  
BNA\_N  
ClientSampleId :  
RE132D5-20241217



Tgt Ion:330 Resp: 25  
Ion Ratio Lower Upper  
330 100  
332 0.0 0.0 0.0  
141 32.2 26.6 40.0

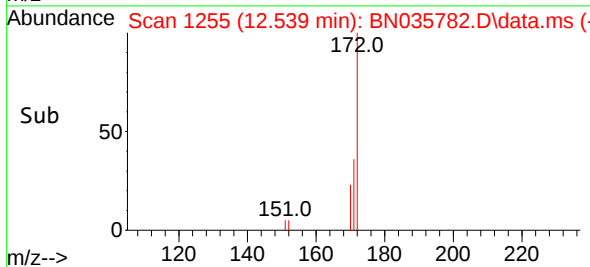
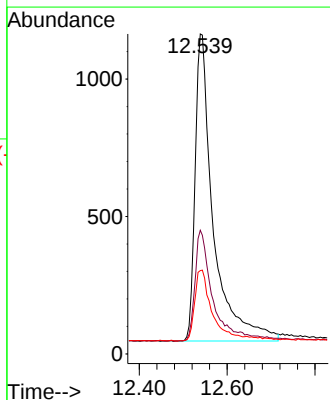
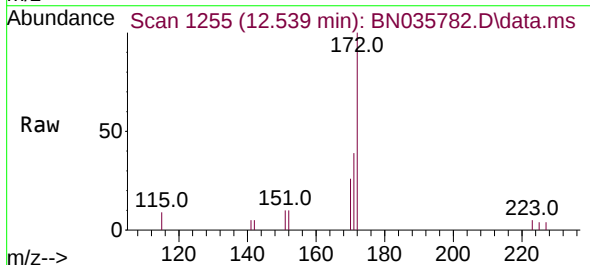
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 12/24/2024  
Supervised By :mohammad ahmed 12/26/2024



#15  
2-Fluorobiphenyl  
Concen: 0.170 ng  
RT: 12.539 min Scan# 1255  
Delta R.T. -0.005 min  
Lab File: BN035782.D  
Acq: 23 Dec 2024 13:54

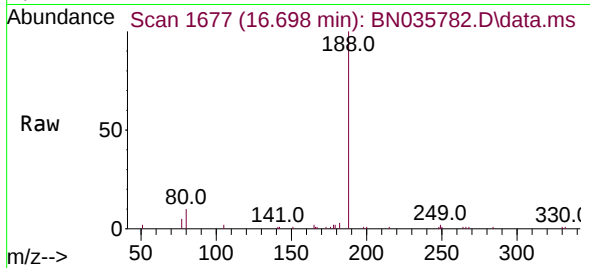
Tgt Ion:172 Resp: 3214  
Ion Ratio Lower Upper  
172 100  
171 38.7 29.0 43.4  
170 26.0 19.8 29.8





#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 16.698 min Scan# 1677  
Delta R.T. -0.000 min  
Lab File: BN035782.D  
Acq: 23 Dec 2024 13:54

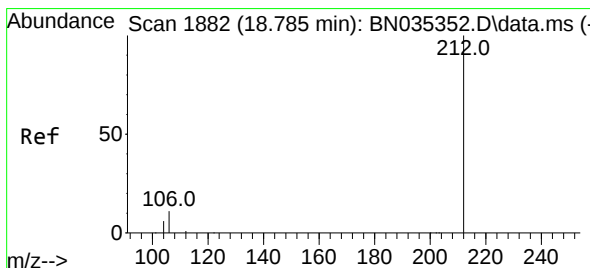
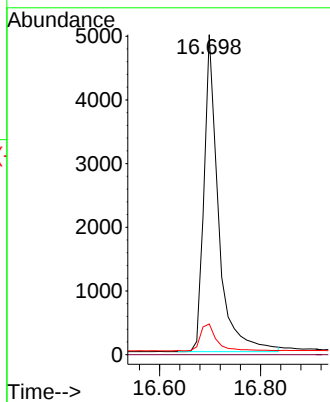
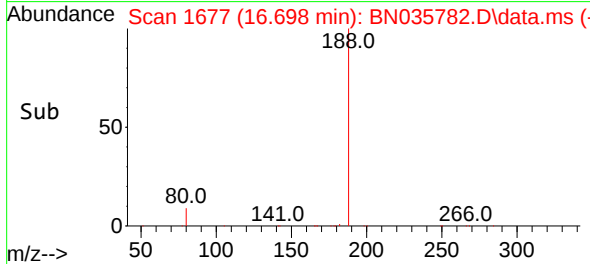
Instrument :  
BNA\_N  
ClientSampleId :  
RE132D5-20241217



Tgt Ion:188 Resp: 991  
Ion Ratio Lower Upper  
188 100  
94 0.0 0.0 0.0  
80 9.6 4.6 6.8

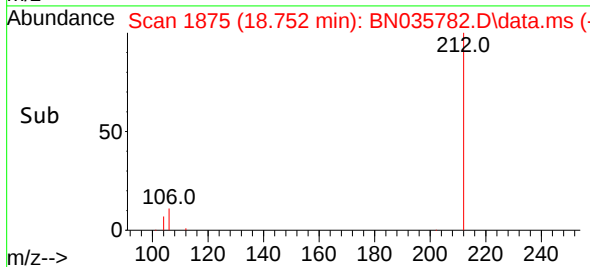
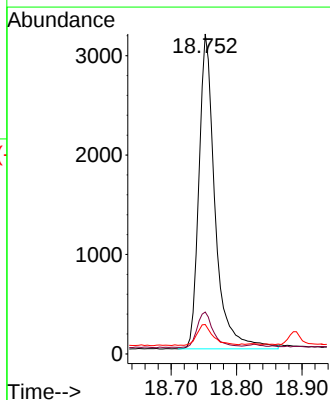
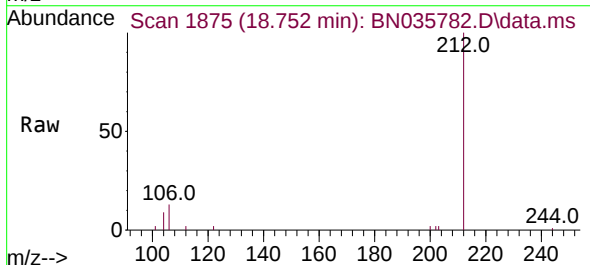
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 12/24/2024  
Supervised By :mohammad ahmed 12/26/2024



#27  
Fluoranthene-d10  
Concen: 0.193 ng  
RT: 18.752 min Scan# 1875  
Delta R.T. -0.009 min  
Lab File: BN035782.D  
Acq: 23 Dec 2024 13:54

Tgt Ion:212 Resp: 5431  
Ion Ratio Lower Upper  
212 100  
106 11.4 9.2 13.8  
104 6.7 5.3 7.9





#29

Chrysene-d12

Concen: 0.400 ng

RT: 20.947 min Scan# 21

Delta R.T. -0.009 min

Lab File: BN035782.D

Acq: 23 Dec 2024 13:54

Instrument :

BNA\_N

ClientSampleId :

RE132D5-20241217

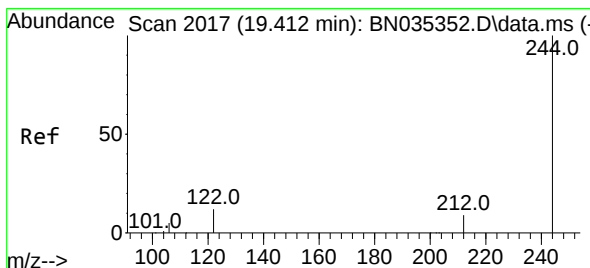
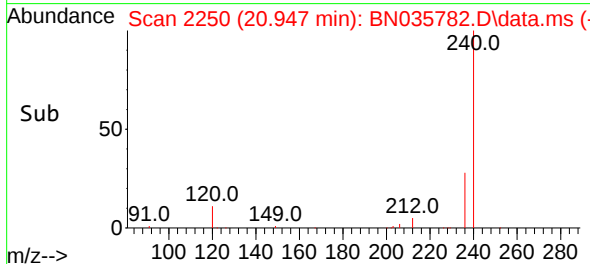
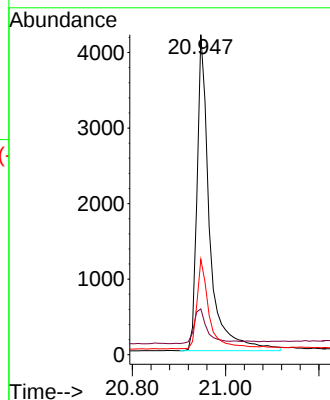
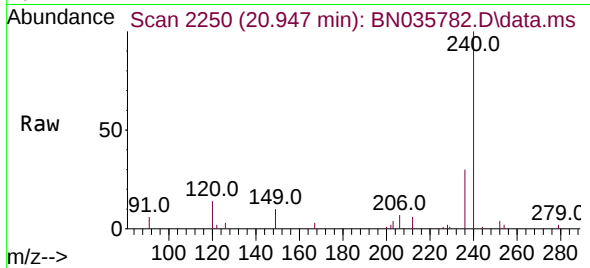
Tgt Ion:240 Resp: 7844  
Ion Ratio Lower Upper  
240 100  
120 14.3 7.9 11.9  
236 29.8 22.9 34.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/24/2024

Supervised By :mohammad ahmed 12/26/2024



#31

Terphenyl-d14

Concen: 0.268 ng

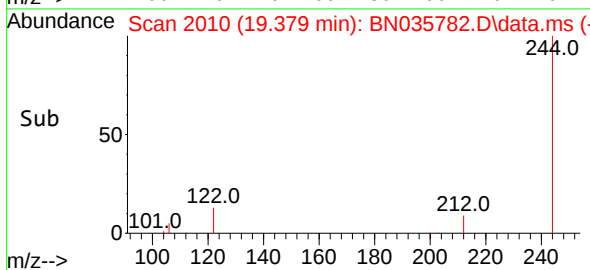
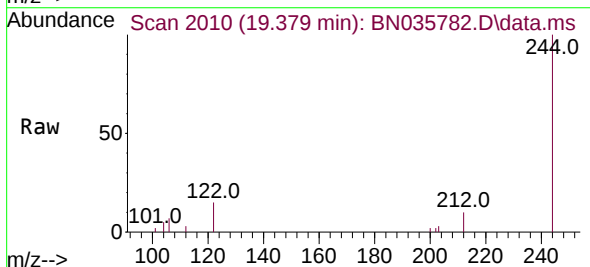
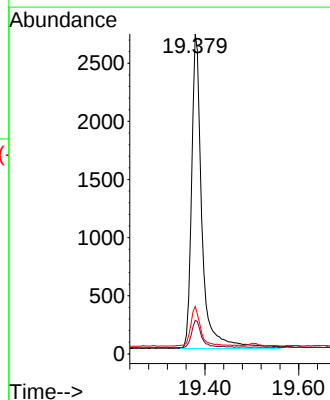
RT: 19.379 min Scan# 2010

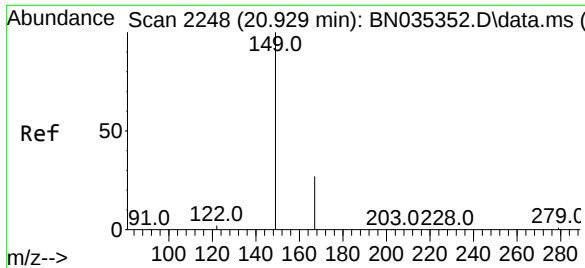
Delta R.T. -0.009 min

Lab File: BN035782.D

Acq: 23 Dec 2024 13:54

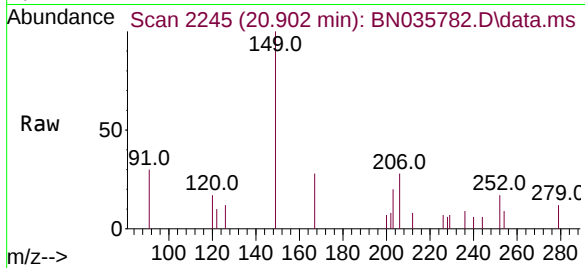
Tgt Ion:244 Resp: 4148  
Ion Ratio Lower Upper  
244 100  
212 10.5 8.1 12.1  
122 14.8 10.3 15.5





#34  
Bis(2-ethylhexyl)phthalate  
Concen: 0.057 ng  
RT: 20.902 min Scan# 21  
Delta R.T. -0.009 min  
Lab File: BN035782.D  
Acq: 23 Dec 2024 13:54

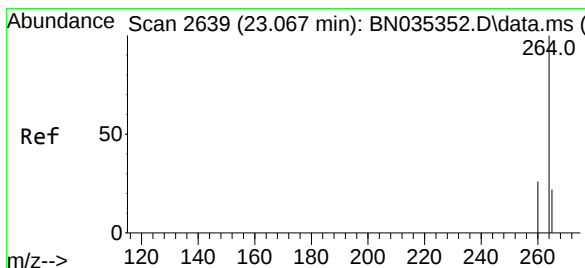
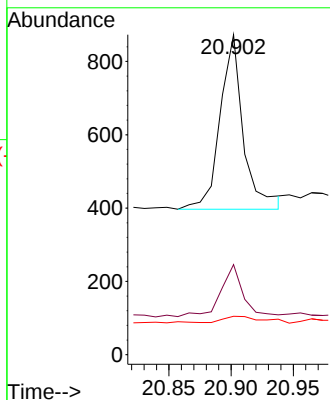
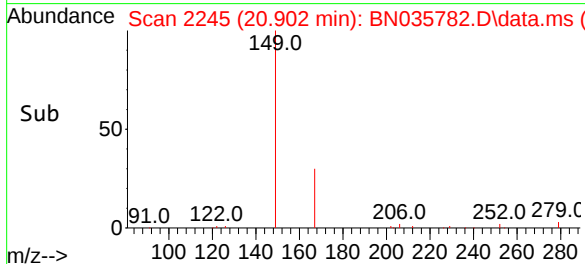
Instrument :  
BNA\_N  
ClientSampleId :  
RE132D5-20241217



Tgt Ion:149 Resp: 619  
Ion Ratio Lower Upper  
149 100  
167 28.3 22.2 33.4  
279 6.8 2.7 4.1

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 12/24/2024  
Supervised By :mohammad ahmed 12/26/2024



#35  
Perylene-d12  
Concen: 0.400 ng  
RT: 23.032 min Scan# 2627  
Delta R.T. -0.009 min  
Lab File: BN035782.D  
Acq: 23 Dec 2024 13:54

Tgt Ion:264 Resp: 8048  
Ion Ratio Lower Upper  
264 100  
260 27.3 21.4 32.2  
265 86.0 40.2 60.4

