

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN082324\  
 Data File : BN033602.D  
 Acq On : 23 Aug 2024 23:19  
 Operator : MA/JU  
 Sample : P3707-06  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 S-913-K1-SO-0.5-1-082024

Quant Time: Aug 24 02:19:54 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN081924.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Aug 23 00:22:18 2024  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 08/24/2024  
 Supervised By :mohammad ahmed 08/29/2024

| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.545  | 152  | 7288     | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.303 | 136  | 18884    | 0.400 | ng    | 0.00     |
| 13) Acenaphthene-d10          | 14.178 | 164  | 8618     | 0.400 | ng    | 0.00     |
| 19) Phenanthrene-d10          | 16.929 | 188  | 16115    | 0.400 | ng    | 0.00     |
| 29) Chrysene-d12              | 21.139 | 240  | 13057    | 0.400 | ng    | # 0.00   |
| 35) Perylene-d12              | 23.303 | 264  | 14548    | 0.400 | ng    | 0.00     |
|                               |        |      |          |       |       |          |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.183  | 112  | 5022     | 0.217 | ng    | 0.00     |
| 5) Phenol-d6                  | 6.736  | 99   | 6129     | 0.222 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 8.681  | 82   | 4353     | 0.278 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10   | 11.903 | 152  | 6978     | 0.258 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 15.675 | 330  | 899      | 0.194 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl          | 12.799 | 172  | 10102    | 0.287 | ng    | 0.00     |
| 27) Fluoranthene-d10          | 18.970 | 212  | 10508    | 0.271 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.583 | 244  | 6880     | 0.232 | ng    | 0.00     |
|                               |        |      |          |       |       |          |
| Target Compounds              |        |      |          |       |       | Qvalue   |
| 28) Fluoranthene              | 19.003 | 202  | 2011     | 0.041 | ng    | # 95     |
| 30) Pyrene                    | 19.365 | 202  | 1855     | 0.032 | ng    | # 93     |
| 33) Chrysene                  | 21.175 | 228  | 1213     | 0.026 | ng    | # 77     |
| 34) Bis(2-ethylhexyl)phtha... | 21.076 | 149  | 2268m    | 0.076 | ng    |          |
| 37) Benzo(b)fluoranthene      | 22.659 | 252  | 1521     | 0.028 | ng    | # 1      |
| 39) Benzo(a)pyrene            | 23.206 | 252  | 961      | 0.021 | ng    | # 1      |
| -----                         |        |      |          |       |       |          |

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

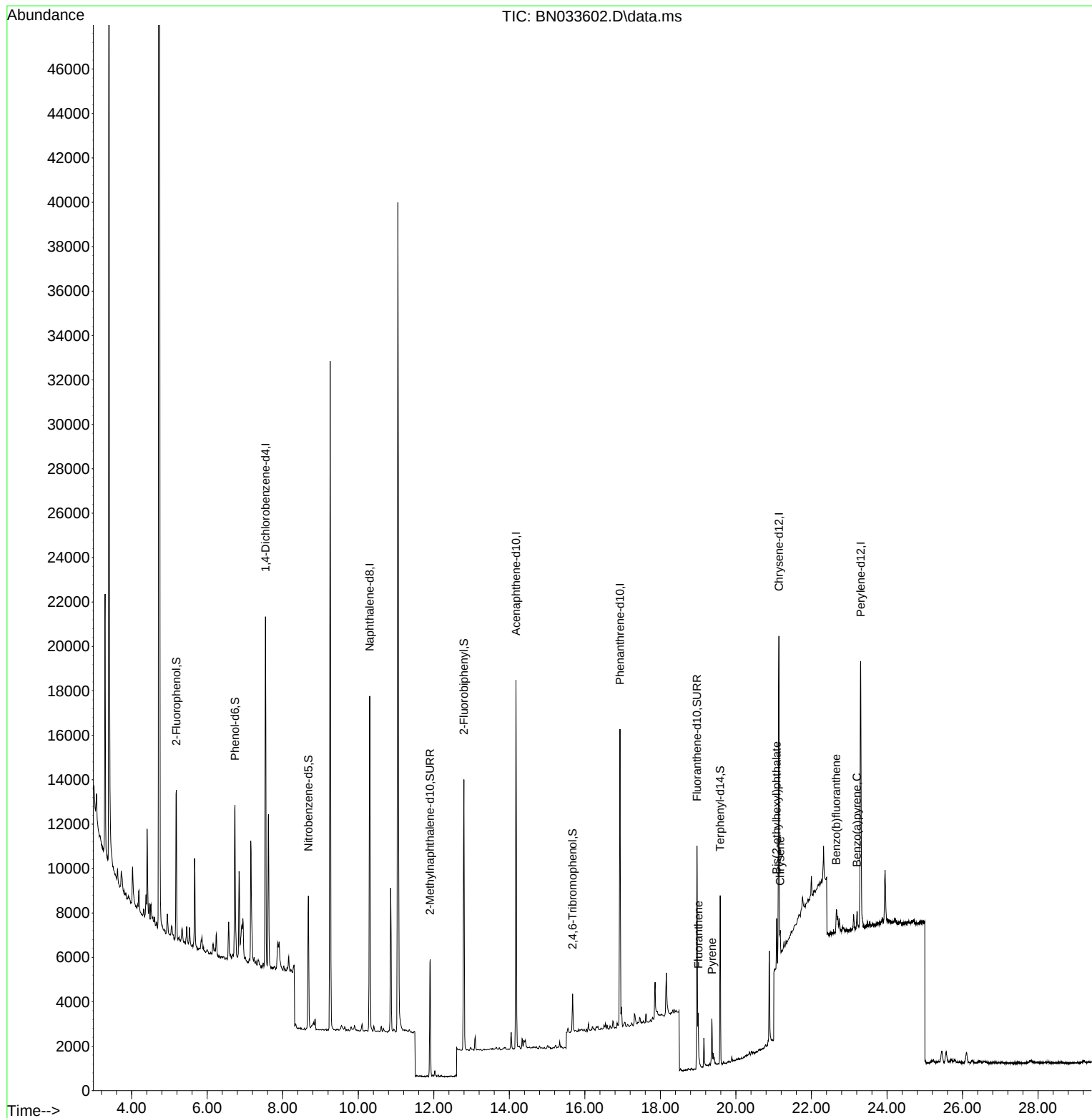
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN082324\  
Data File : BN033602.D  
Acq On : 23 Aug 2024 23:19  
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Instrument :  
BNA\_N  
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S-913-K1-SO-0.5-1-082024

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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN081924.M  
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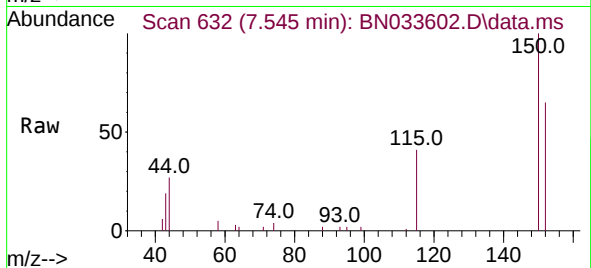
Reviewed By :Yogesh Patel 08/24/2024  
Supervised By :mohammad ahmed 08/29/2024





#1  
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.545 min Scan# 61  
Delta R.T. -0.000 min  
Lab File: BN033602.D  
Acq: 23 Aug 2024 23:19

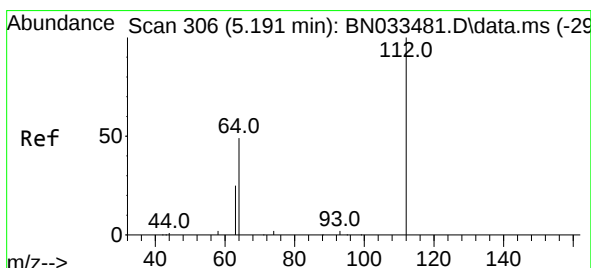
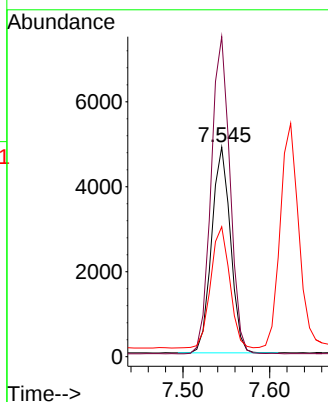
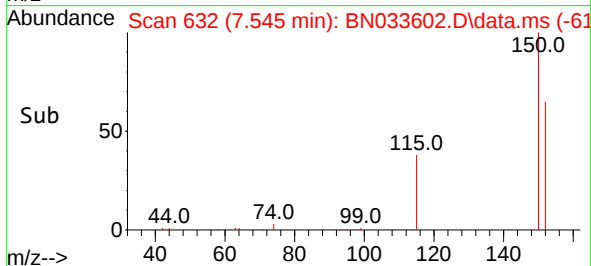
Instrument :  
BNA\_N  
ClientSampleId :  
S-913-K1-SO-0.5-1-082024



Tgt Ion:152 Resp: 728  
Ion Ratio Lower Upper  
152 100  
150 152.7 122.2 183.2  
115 62.0 47.2 70.8

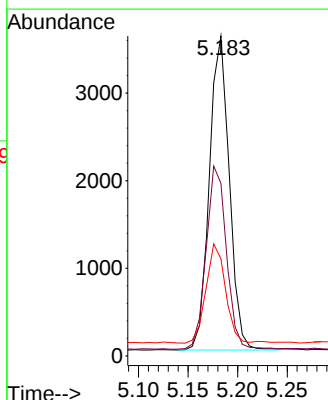
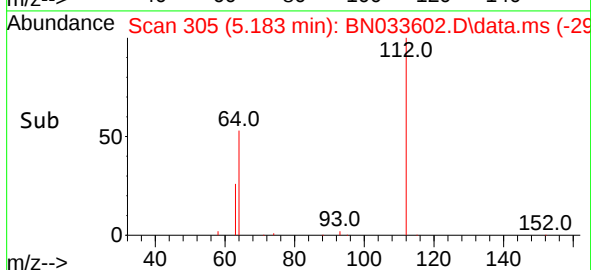
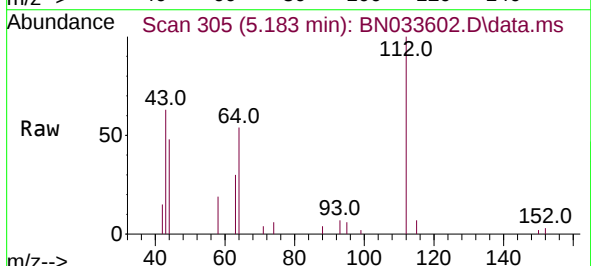
Manual Integrations  
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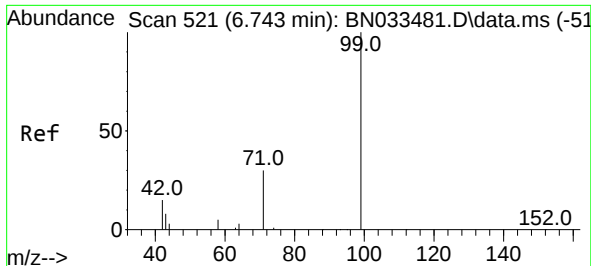
Reviewed By :Yogesh Patel 08/24/2024  
Supervised By :mohammad ahmed 08/29/2024



#4  
2-Fluorophenol  
Concen: 0.217 ng  
RT: 5.183 min Scan# 305  
Delta R.T. 0.007 min  
Lab File: BN033602.D  
Acq: 23 Aug 2024 23:19

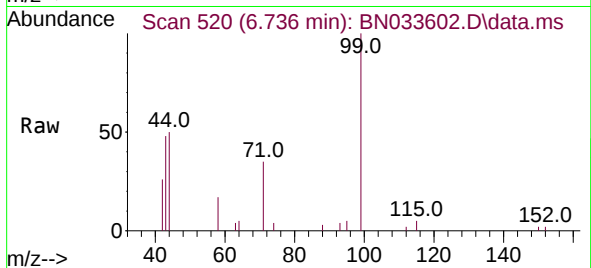
Tgt Ion:112 Resp: 5022  
Ion Ratio Lower Upper  
112 100  
64 59.3 47.1 70.7  
63 30.8 24.9 37.3





#5  
Phenol-d6  
Concen: 0.222 ng  
RT: 6.736 min Scan# 51  
Delta R.T. 0.007 min  
Lab File: BN033602.D  
Acq: 23 Aug 2024 23:19

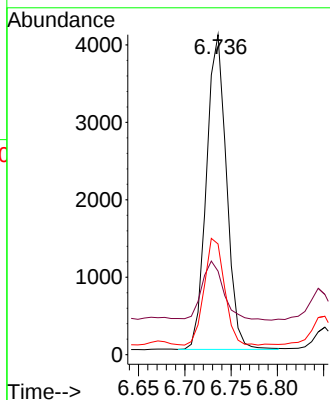
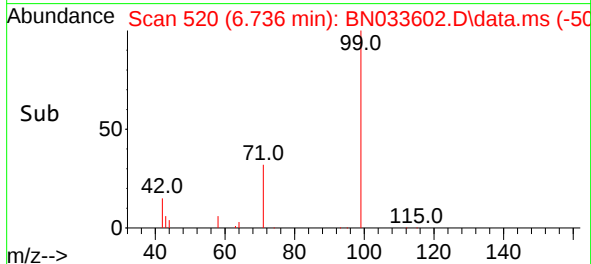
Instrument :  
BNA\_N  
ClientSampleId :  
S-913-K1-SO-0.5-1-082024



Tgt Ion: 99 Resp: 6129  
Ion Ratio Lower Upper  
99 100  
42 20.2 16.6 24.8  
71 34.3 26.2 39.4

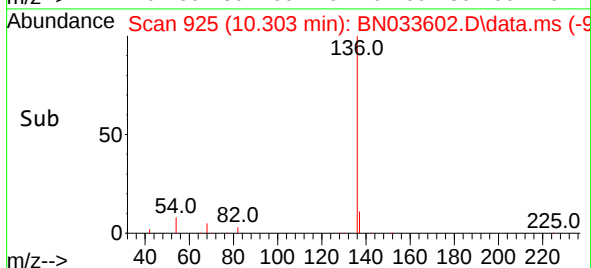
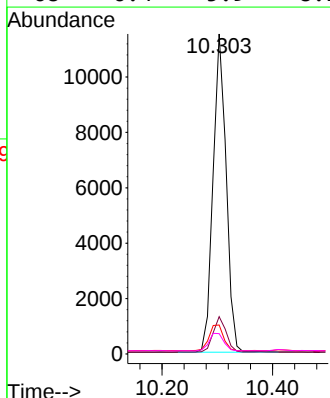
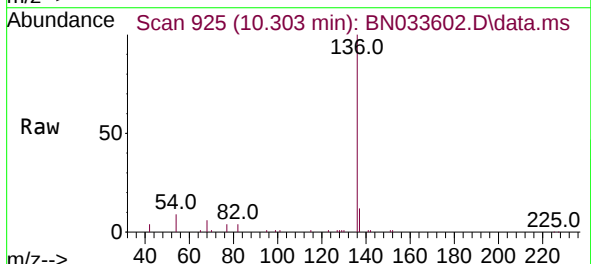
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Supervised By :mohammad ahmed 08/29/2024



#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.303 min Scan# 925  
Delta R.T. -0.000 min  
Lab File: BN033602.D  
Acq: 23 Aug 2024 23:19

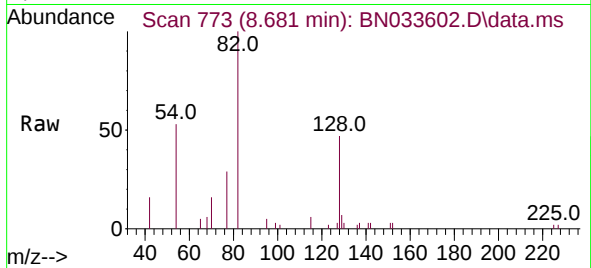
Tgt Ion:136 Resp: 18884  
Ion Ratio Lower Upper  
136 100  
137 11.6 9.0 13.6  
54 9.1 8.3 12.5  
68 6.4 5.9 8.9





#8  
Nitrobenzene-d5  
Concen: 0.278 ng  
RT: 8.681 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: BN033602.D  
Acq: 23 Aug 2024 23:19

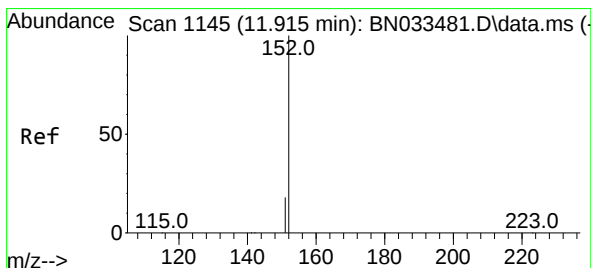
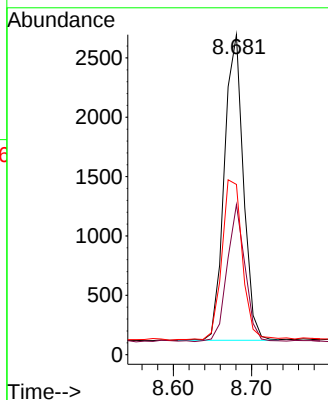
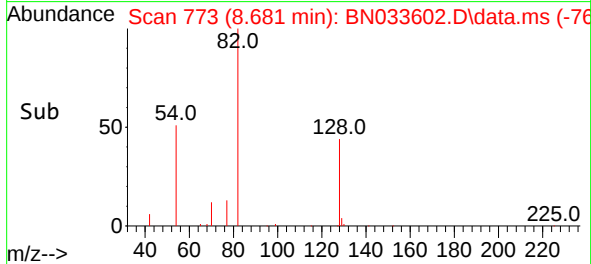
Instrument :  
BNA\_N  
ClientSampleId :  
S-913-K1-SO-0.5-1-082024



Tgt Ion: 82 Resp: 435  
Ion Ratio Lower Upper  
82 100  
128 46.9 36.0 54.0  
54 53.2 42.0 63.0

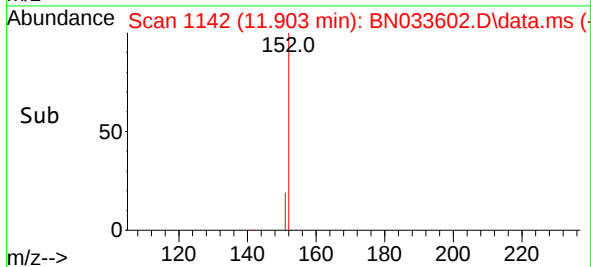
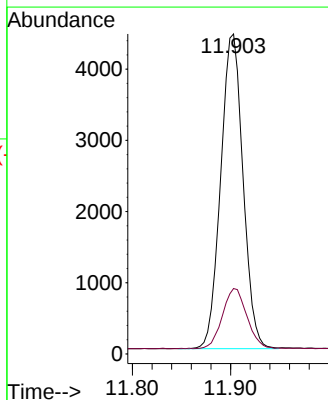
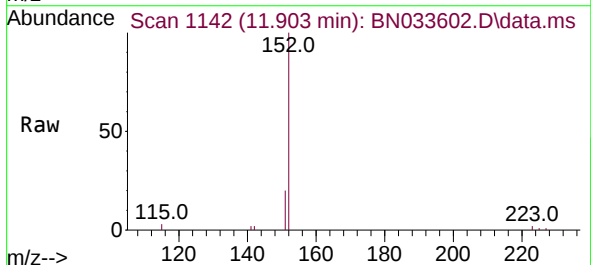
Manual Integrations  
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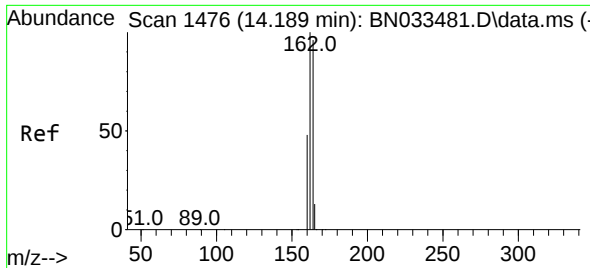
Reviewed By :Yogesh Patel 08/24/2024  
Supervised By :mohammad ahmed 08/29/2024



#11  
2-Methylnaphthalene-d10  
Concen: 0.258 ng  
RT: 11.903 min Scan# 1142  
Delta R.T. -0.000 min  
Lab File: BN033602.D  
Acq: 23 Aug 2024 23:19

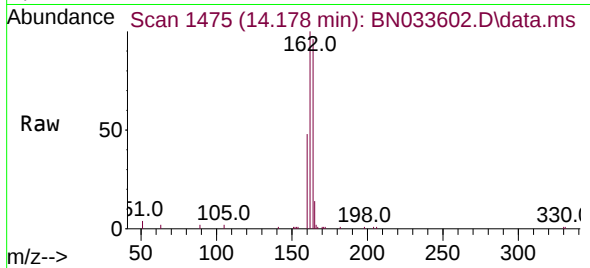
Tgt Ion:152 Resp: 6978  
Ion Ratio Lower Upper  
152 100  
151 21.0 16.6 25.0





#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.178 min Scan# 1475  
Delta R.T. -0.000 min  
Lab File: BN033602.D  
Acq: 23 Aug 2024 23:19

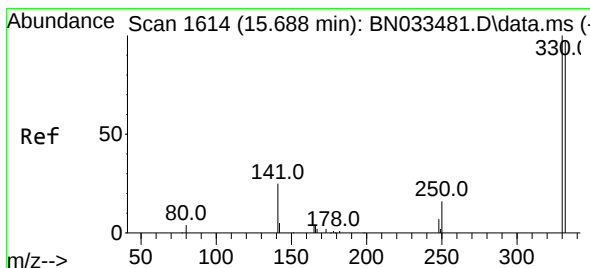
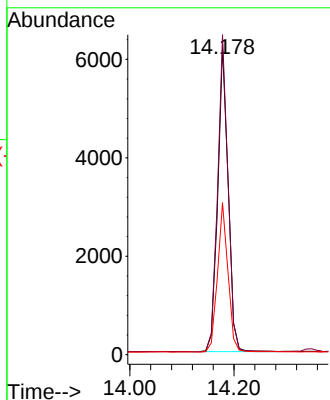
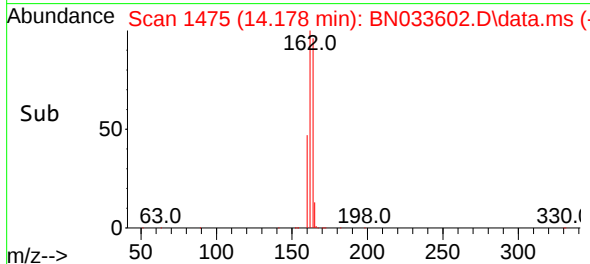
Instrument :  
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ClientSampleId :  
S-913-K1-SO-0.5-1-082024



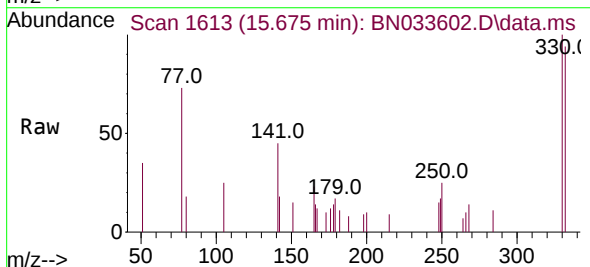
Tgt Ion:164 Resp: 8618  
Ion Ratio Lower Upper  
164 100  
162 103.8 83.5 125.3  
160 49.3 40.2 60.4

Manual Integrations  
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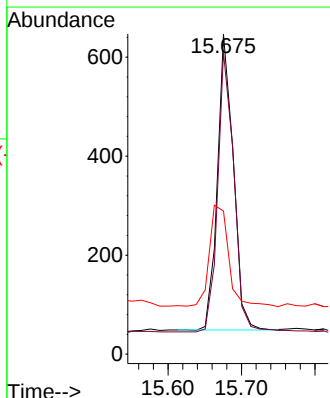
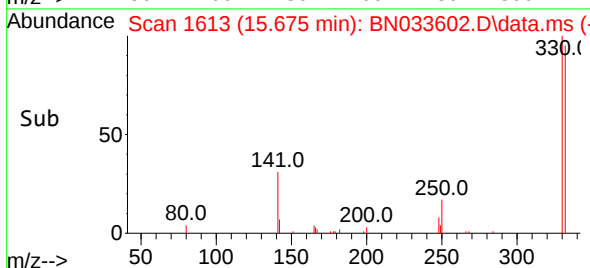
Reviewed By :Yogesh Patel 08/24/2024  
Supervised By :mohammad ahmed 08/29/2024

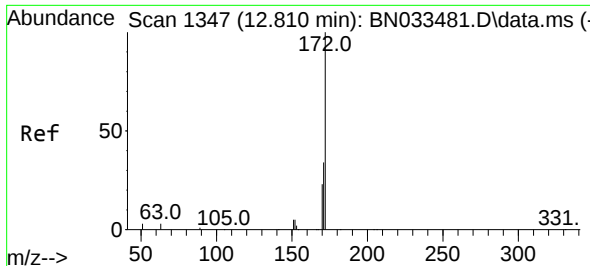


#14  
2,4,6-Tribromophenol  
Concen: 0.194 ng  
RT: 15.675 min Scan# 1613  
Delta R.T. -0.000 min  
Lab File: BN033602.D  
Acq: 23 Aug 2024 23:19



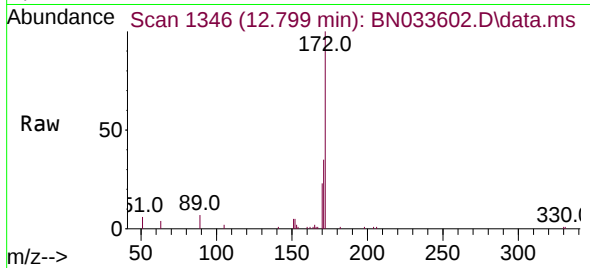
Tgt Ion:330 Resp: 899  
Ion Ratio Lower Upper  
330 100  
332 96.4 77.5 116.3  
141 41.7 33.9 50.9





#15  
2-Fluorobiphenyl  
Concen: 0.287 ng  
RT: 12.799 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BN033602.D  
Acq: 23 Aug 2024 23:19

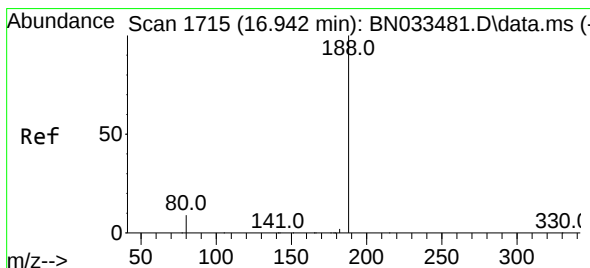
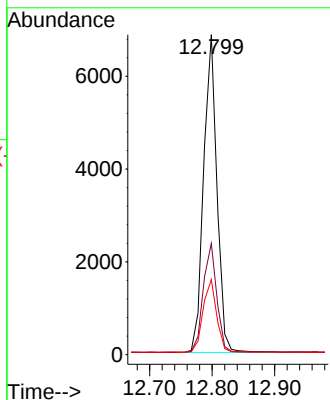
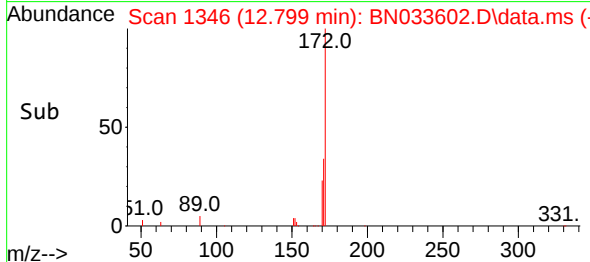
Instrument :  
BNA\_N  
ClientSampleId :  
S-913-K1-SO-0.5-1-082024



Tgt Ion:172 Resp: 1010  
Ion Ratio Lower Upper  
172 100  
171 34.7 27.7 41.5  
170 23.4 18.3 27.5

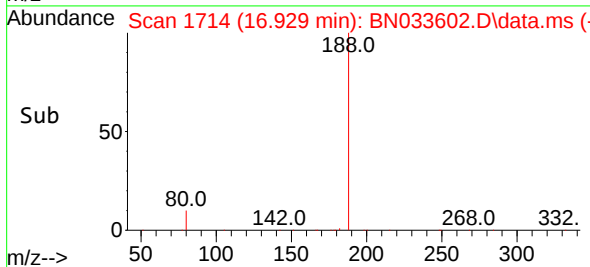
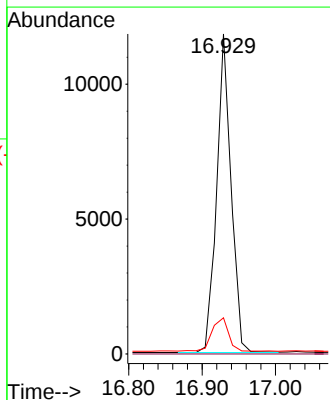
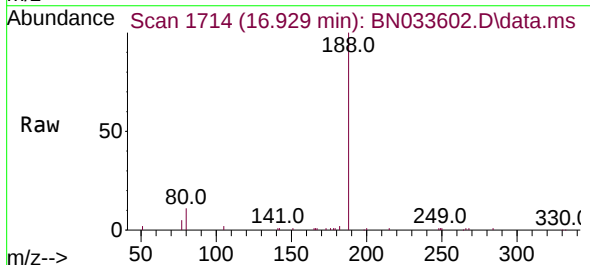
Manual Integrations  
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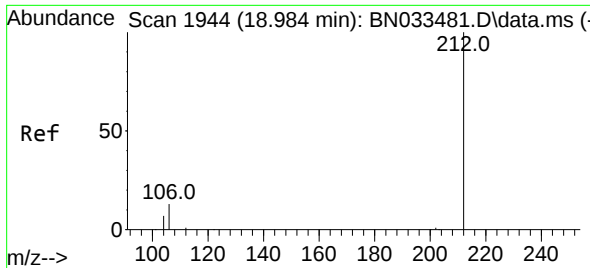
Reviewed By :Yogesh Patel 08/24/2024  
Supervised By :mohammad ahmed 08/29/2024



#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 16.929 min Scan# 1714  
Delta R.T. -0.000 min  
Lab File: BN033602.D  
Acq: 23 Aug 2024 23:19

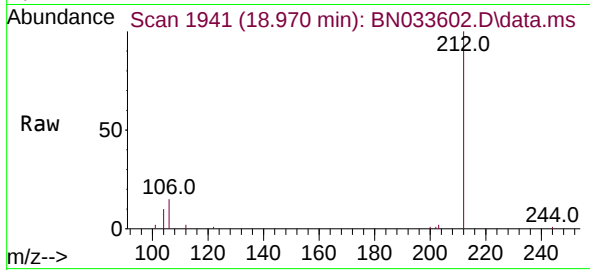
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Ion Ratio Lower Upper  
188 100  
94 0.0 0.0 0.0  
80 11.3 7.8 11.8





#27  
Fluoranthene-d10  
Concen: 0.271 ng  
RT: 18.970 min Scan# 1941  
Delta R.T. -0.000 min  
Lab File: BN033602.D  
Acq: 23 Aug 2024 23:19

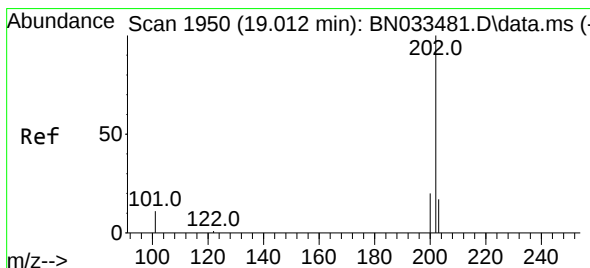
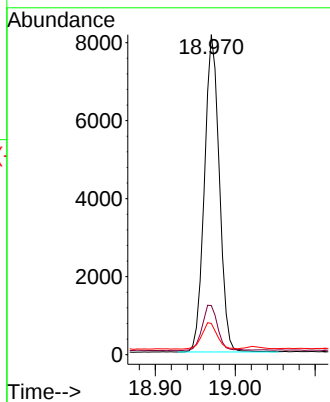
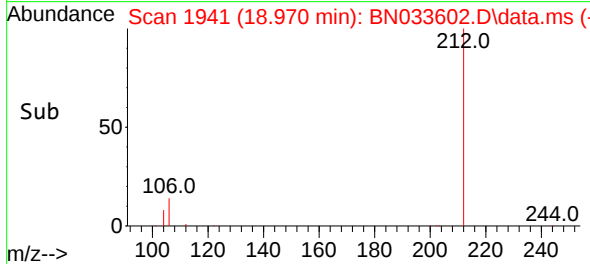
Instrument :  
BNA\_N  
ClientSampleId :  
S-913-K1-SO-0.5-1-082024



Tgt Ion:212 Resp: 10508  
Ion Ratio Lower Upper  
212 100  
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104 8.6 7.0 10.4

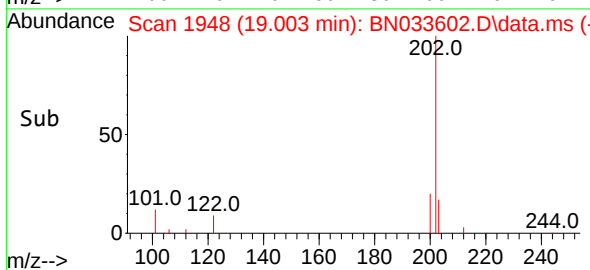
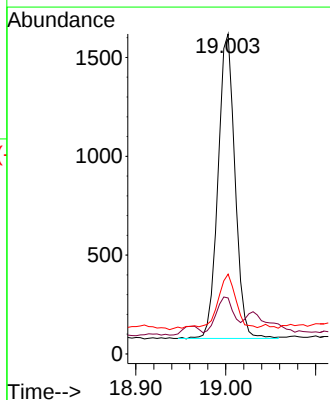
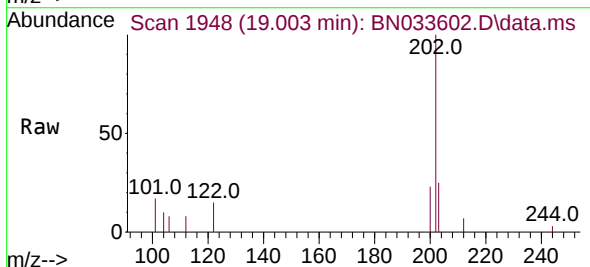
Manual Integrations  
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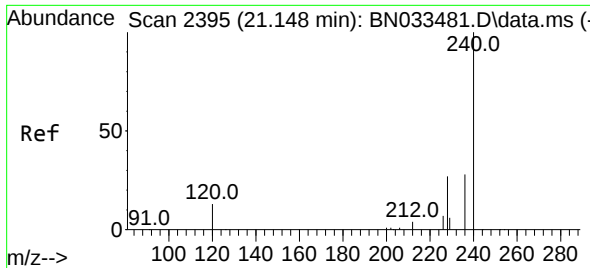
Reviewed By :Yogesh Patel 08/24/2024  
Supervised By :mohammad ahmed 08/29/2024



#28  
Fluoranthene  
Concen: 0.041 ng  
RT: 19.003 min Scan# 1948  
Delta R.T. -0.000 min  
Lab File: BN033602.D  
Acq: 23 Aug 2024 23:19

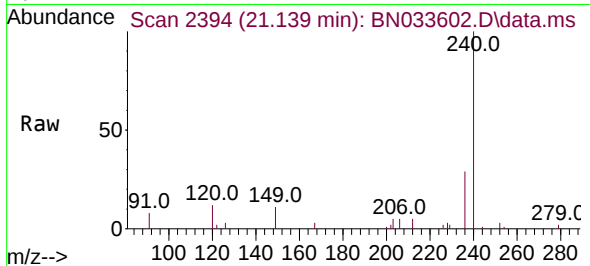
Tgt Ion:202 Resp: 2011  
Ion Ratio Lower Upper  
202 100  
101 12.4 9.5 14.3  
203 20.7 13.8 20.6#





#29  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.139 min Scan# 21139  
Delta R.T. -0.000 min  
Lab File: BN033602.D  
Acq: 23 Aug 2024 23:19

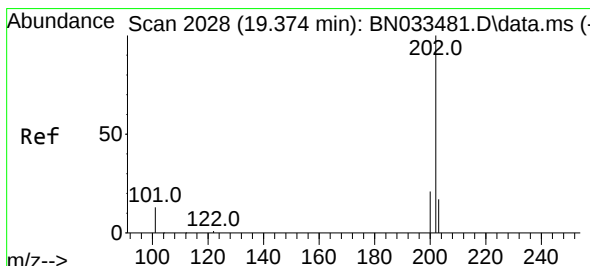
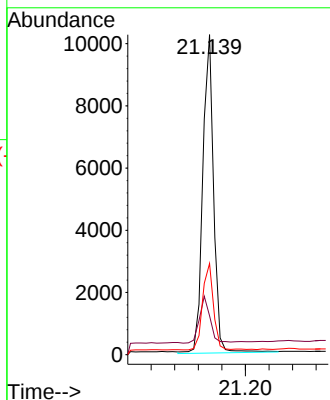
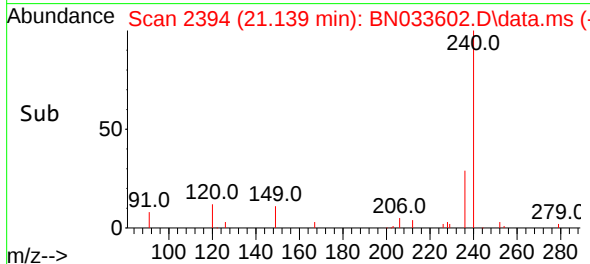
Instrument :  
BNA\_N  
ClientSampleId :  
S-913-K1-SO-0.5-1-082024



Tgt Ion:240 Resp: 1305  
Ion Ratio Lower Upper  
240 100  
120 12.1 12.4 18.6  
236 28.5 23.0 34.6

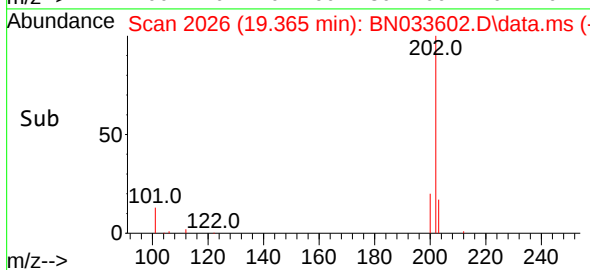
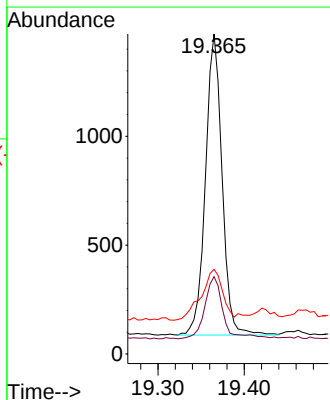
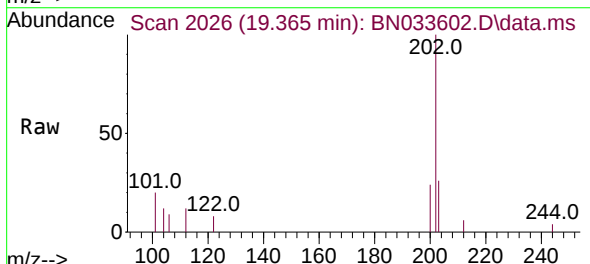
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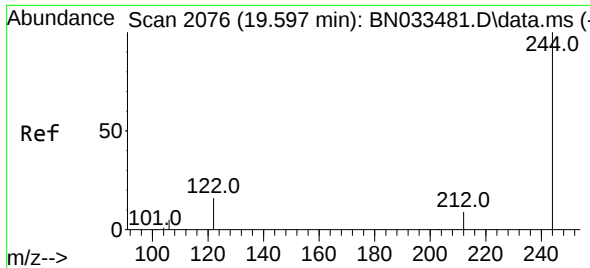
Reviewed By :Yogesh Patel 08/24/2024  
Supervised By :mohammad ahmed 08/29/2024



#30  
Pyrene  
Concen: 0.032 ng  
RT: 19.365 min Scan# 2026  
Delta R.T. -0.000 min  
Lab File: BN033602.D  
Acq: 23 Aug 2024 23:19

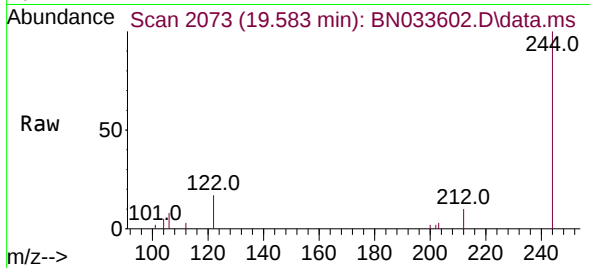
Tgt Ion:202 Resp: 1855  
Ion Ratio Lower Upper  
202 100  
200 22.7 16.6 24.8  
203 21.8 14.2 21.4





#31  
Terphenyl-d14  
Concen: 0.232 ng  
RT: 19.583 min Scan# 2076  
Delta R.T. -0.000 min  
Lab File: BN033602.D  
Acq: 23 Aug 2024 23:19

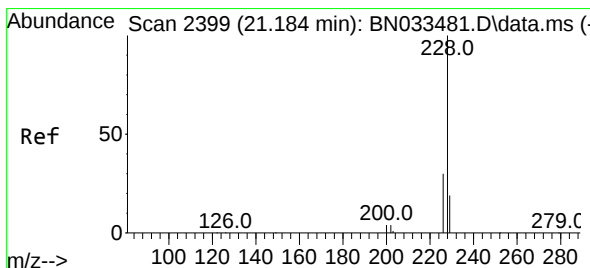
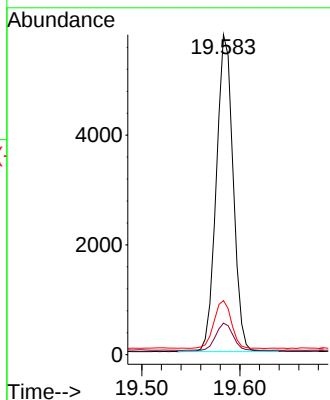
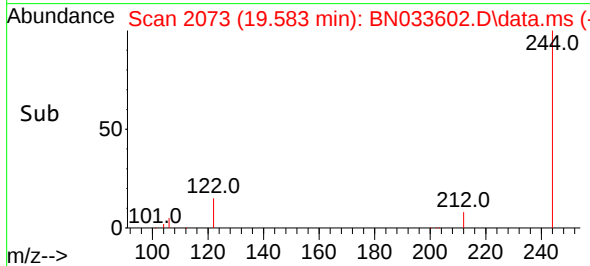
Instrument :  
BNA\_N  
ClientSampleId :  
S-913-K1-SO-0.5-1-082024



Tgt Ion:244 Resp: 6880  
Ion Ratio Lower Upper  
244 100  
212 9.8 7.8 11.6  
122 16.9 13.3 19.9

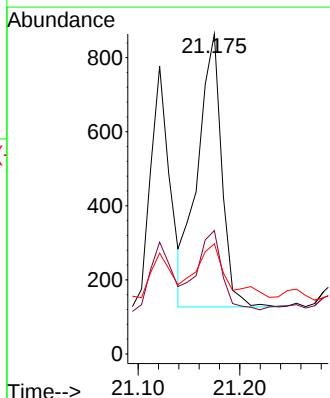
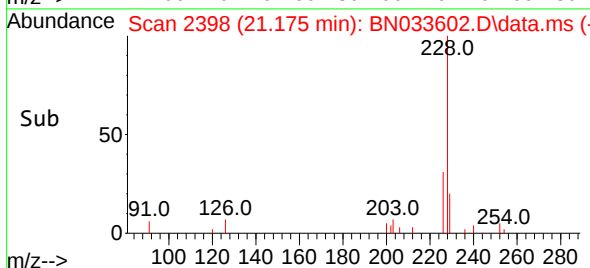
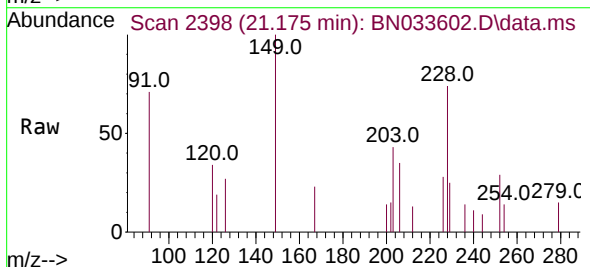
Manual Integrations  
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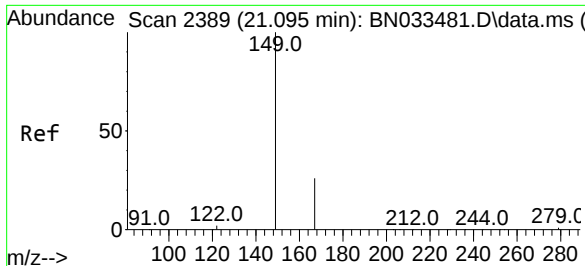
Reviewed By :Yogesh Patel 08/24/2024  
Supervised By :mohammad ahmed 08/29/2024



#33  
Chrysene  
Concen: 0.026 ng  
RT: 21.175 min Scan# 2398  
Delta R.T. -0.000 min  
Lab File: BN033602.D  
Acq: 23 Aug 2024 23:19

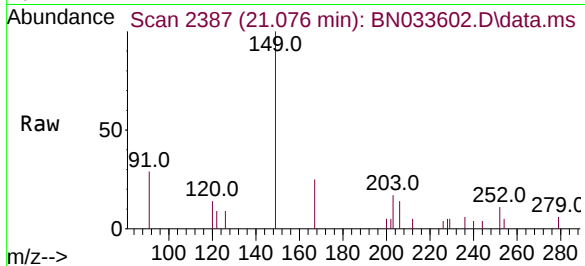
Tgt Ion:228 Resp: 1213  
Ion Ratio Lower Upper  
228 100  
226 38.5 23.8 35.8#  
229 34.4 15.6 23.4#





#34  
Bis(2-ethylhexyl)phthalate  
Concen: 0.076 ng m  
RT: 21.076 min Scan# 2107  
Delta R.T. -0.009 min  
Lab File: BN033602.D  
Acq: 23 Aug 2024 23:19

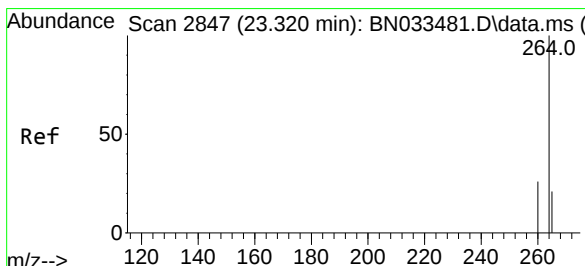
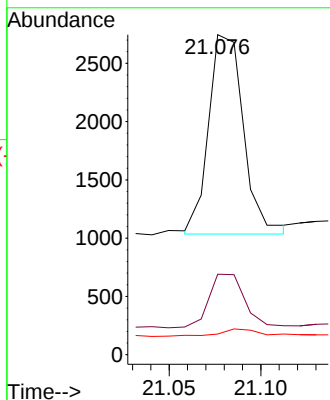
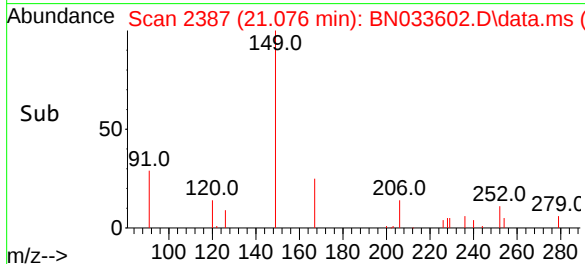
Instrument : BNA\_N  
ClientSampleId : S-913-K1-SO-0.5-1-082024



Tgt Ion:149 Resp: 2268  
Ion Ratio Lower Upper  
149 100  
167 40.0 21.5 32.3  
279 12.8 2.2 3.2

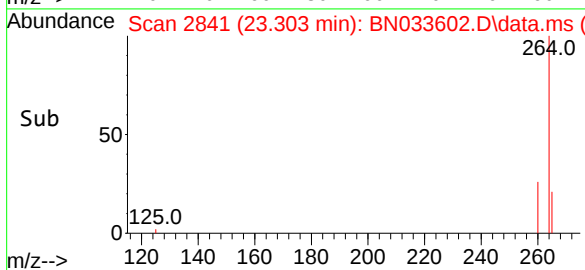
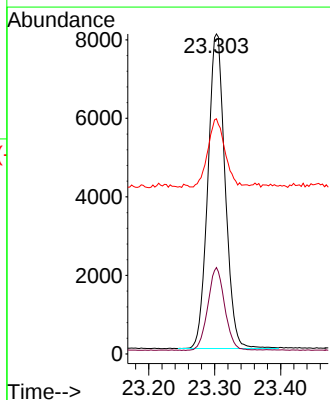
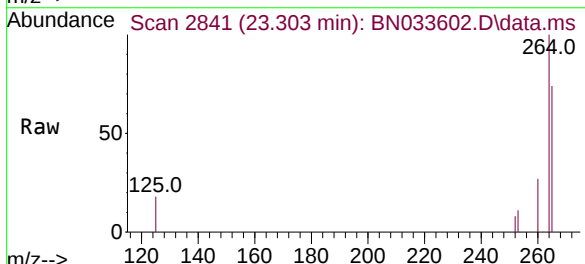
Manual Integrations  
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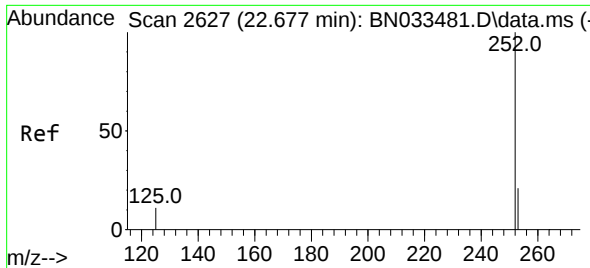
Reviewed By :Yogesh Patel 08/24/2024  
Supervised By :mohammad ahmed 08/29/2024



#35  
Perylene-d12  
Concen: 0.400 ng  
RT: 23.303 min Scan# 2841  
Delta R.T. -0.000 min  
Lab File: BN033602.D  
Acq: 23 Aug 2024 23:19

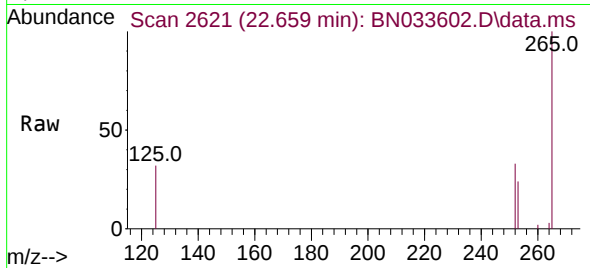
Tgt Ion:264 Resp: 14548  
Ion Ratio Lower Upper  
264 100  
260 27.0 20.8 31.2  
265 73.5 52.2 78.2





#37  
Benzo(b)fluoranthene  
Concen: 0.028 ng  
RT: 22.659 min Scan# 20  
Delta R.T. -0.000 min  
Lab File: BN033602.D  
Acq: 23 Aug 2024 23:19

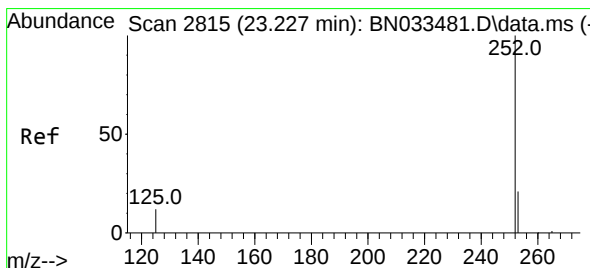
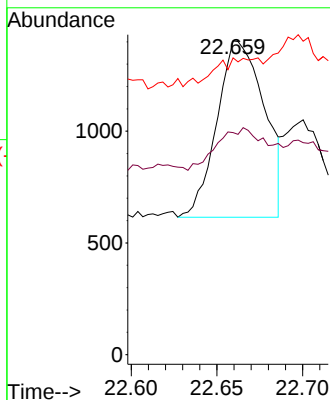
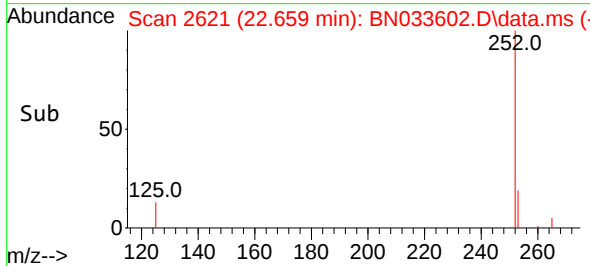
Instrument :  
BNA\_N  
ClientSampleId :  
S-913-K1-SO-0.5-1-082024



Tgt Ion:252 Resp: 152  
Ion Ratio Lower Upper  
252 100  
253 70.8 19.8 29.8#  
125 94.6 13.9 20.9#

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Reviewed By :Yogesh Patel 08/24/2024  
Supervised By :mohammad ahmed 08/29/2024



#39  
Benzo(a)pyrene  
Concen: 0.021 ng  
RT: 23.206 min Scan# 2808  
Delta R.T. -0.003 min  
Lab File: BN033602.D  
Acq: 23 Aug 2024 23:19

Tgt Ion:252 Resp: 961  
Ion Ratio Lower Upper  
252 100  
253 85.3 21.5 32.3#  
125 112.5 17.0 25.4#

