

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN090524\  
 Data File : BN033766.D  
 Acq On : 05 Sep 2024 13:33  
 Operator : MA/JU  
 Sample : P2403-02  
 Misc : LOQ-SOIL-0.2ng  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 LOQ-SOIL-02-QT2-2024

Quant Time: Sep 05 14:59:59 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN090424.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Sep 04 18:36:01 2024  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 09/05/2024  
 Supervised By :mohammad ahmed 09/07/2024

| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.516  | 152  | 6933     | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.272 | 136  | 18275    | 0.400 | ng    | 0.00     |
| 13) Acenaphthene-d10          | 14.146 | 164  | 8531     | 0.400 | ng    | -0.01    |
| 19) Phenanthrene-d10          | 16.904 | 188  | 17020    | 0.400 | ng    | 0.00     |
| 29) Chrysene-d12              | 21.112 | 240  | 13266    | 0.400 | ng    | 0.00     |
| 35) Perylene-d12              | 23.268 | 264  | 14145    | 0.400 | ng    | # 0.00   |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.154  | 112  | 6443     | 0.304 | ng    | 0.00     |
| 5) Phenol-d6                  | 6.707  | 99   | 8306     | 0.331 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 8.649  | 82   | 5606     | 0.360 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10   | 11.869 | 152  | 14310    | 0.554 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 15.651 | 330  | 1245     | 0.289 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl          | 12.767 | 172  | 12677    | 0.356 | ng    | 0.00     |
| 27) Fluoranthene-d10          | 18.942 | 212  | 24059    | 0.573 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.560 | 244  | 10032    | 0.355 | ng    | 0.00     |
| Target Compounds              |        |      |          |       |       |          |
|                               |        |      |          |       |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.168  | 88   | 1857     | 0.235 | ng    | 97       |
| 3) n-Nitrosodimethylamine     | 3.464  | 42   | 1885     | 0.204 | ng    | 96       |
| 6) bis(2-Chloroethyl)ether    | 6.953  | 93   | 4406     | 0.232 | ng    | 99       |
| 9) Naphthalene                | 10.325 | 128  | 10554    | 0.216 | ng    | 99       |
| 10) Hexachlorobutadiene       | 10.613 | 225  | 2125     | 0.209 | ng    | # 100    |
| 12) 2-Methylnaphthalene       | 11.945 | 142  | 6436     | 0.215 | ng    | 98       |
| 16) Acenaphthylene            | 13.868 | 152  | 7686     | 0.208 | ng    | 99       |
| 17) Acenaphthene              | 14.210 | 154  | 5338     | 0.211 | ng    | 98       |
| 18) Fluorene                  | 15.204 | 166  | 6566     | 0.211 | ng    | 100      |
| 20) 4,6-Dinitro-2-methylph... | 15.290 | 198  | 416      | 0.155 | ng    | 87       |
| 21) 4-Bromophenyl-phenylether | 16.110 | 248  | 2011     | 0.204 | ng    | 95       |
| 22) Hexachlorobenzene         | 16.209 | 284  | 2317     | 0.205 | ng    | 98       |
| 23) Atrazine                  | 16.383 | 200  | 1526     | 0.194 | ng    | # 88     |
| 24) Pentachlorophenol         | 16.557 | 266  | 970      | 0.210 | ng    | 98       |
| 25) Phenanthrene              | 16.942 | 178  | 10181    | 0.217 | ng    | 100      |
| 26) Anthracene                | 17.029 | 178  | 8510     | 0.209 | ng    | 99       |
| 28) Fluoranthene              | 18.975 | 202  | 10813    | 0.206 | ng    | 99       |
| 30) Pyrene                    | 19.337 | 202  | 10822    | 0.202 | ng    | 100      |
| 32) Benzo(a)anthracene        | 21.094 | 228  | 9898     | 0.209 | ng    | 98       |
| 33) Chrysene                  | 21.148 | 228  | 10219    | 0.218 | ng    | 99       |
| 34) Bis(2-ethylhexyl)phtha... | 21.059 | 149  | 5477     | 0.212 | ng    | 99       |
| 36) Indeno(1,2,3-cd)pyrene    | 25.396 | 276  | 12874    | 0.220 | ng    | 98       |
| 37) Benzo(b)fluoranthene      | 22.630 | 252  | 10443    | 0.201 | ng    | 97       |
| 38) Benzo(k)fluoranthene      | 22.674 | 252  | 11391m   | 0.225 | ng    |          |
| 39) Benzo(a)pyrene            | 23.174 | 252  | 8967     | 0.206 | ng    | 96       |
| 40) Dibenzo(a,h)anthracene    | 25.414 | 278  | 10217    | 0.218 | ng    | 99       |
| 41) Benzo(g,h,i)perylene      | 26.045 | 276  | 10430    | 0.205 | ng    | 99       |
| -----                         |        |      |          |       |       |          |

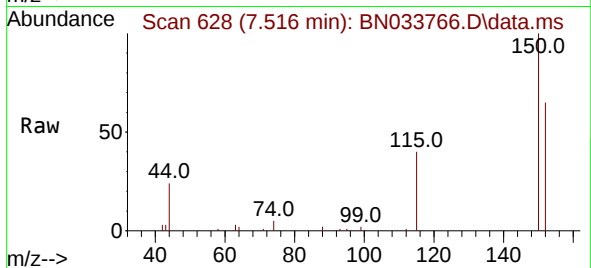
(#) = qualifier out of range (m) = manual integration (+) = signals summed





#1  
 1,4-Dichlorobenzene-d4  
 Concen: 0.400 ng  
 RT: 7.516 min Scan# 61  
 Delta R.T. -0.000 min  
 Lab File: BN033766.D  
 Acq: 05 Sep 2024 13:33

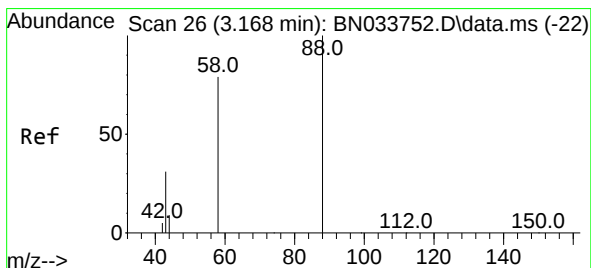
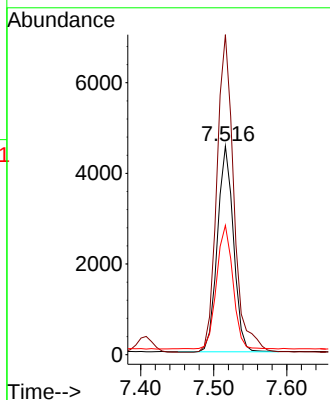
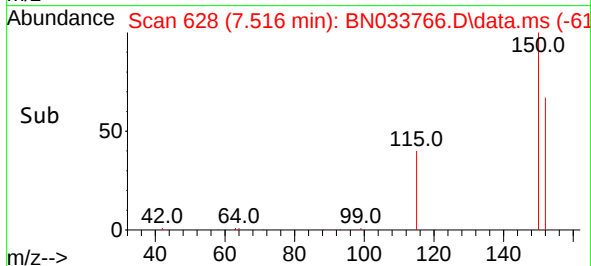
Instrument :  
 BNA\_N  
 ClientSampleId :  
 LOQ-SOIL-02-QT2-2024



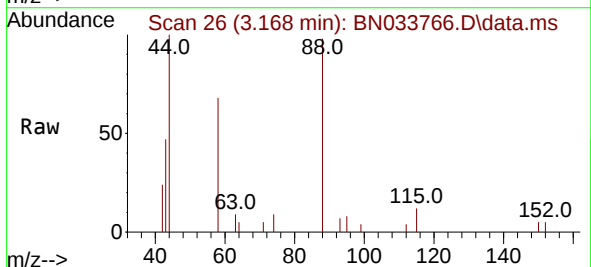
Tgt Ion:152 Resp: 693  
 Ion Ratio Lower Upper  
 152 100  
 150 153.3 123.3 184.9  
 115 61.9 51.0 76.4

Manual Integrations  
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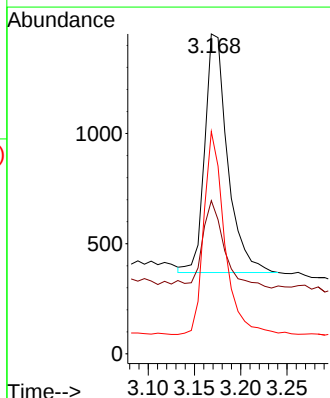
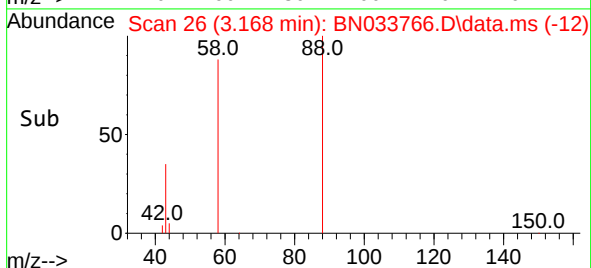
Reviewed By :Jagrut Upadhyay 09/05/2024  
 Supervised By :mohammad ahmed 09/07/2024



#2  
 1,4-Dioxane  
 Concen: 0.235 ng  
 RT: 3.168 min Scan# 26  
 Delta R.T. 0.000 min  
 Lab File: BN033766.D  
 Acq: 05 Sep 2024 13:33



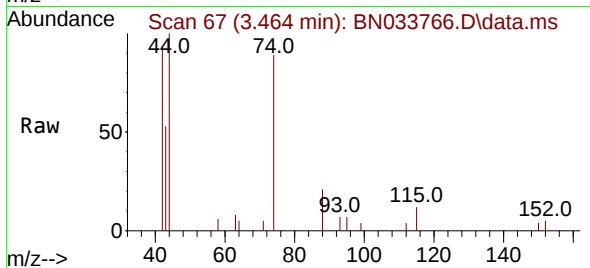
Tgt Ion: 88 Resp: 1857  
 Ion Ratio Lower Upper  
 88 100  
 43 34.8 29.0 43.4  
 58 77.5 64.1 96.1





#3  
n-Nitrosodimethylamine  
Concen: 0.204 ng  
RT: 3.464 min Scan# 61  
Delta R.T. -0.000 min  
Lab File: BN033766.D  
Acq: 05 Sep 2024 13:33

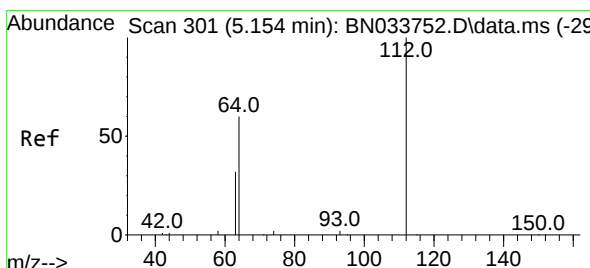
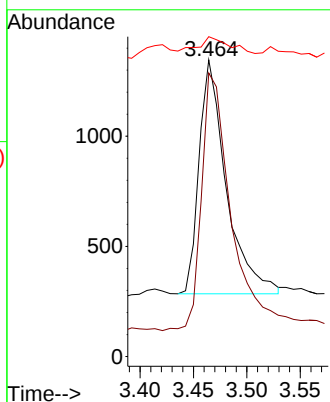
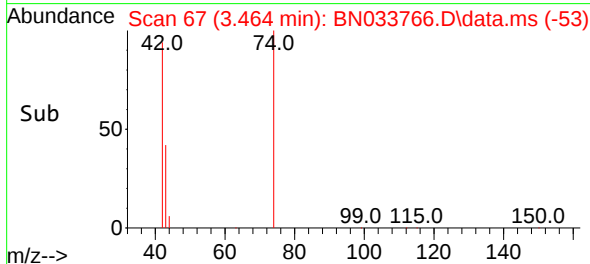
Instrument :  
BNA\_N  
ClientSampleId :  
LOQ-SOIL-02-QT2-2024



Tgt Ion: 42 Resp: 188  
Ion Ratio Lower Upper  
42 100  
74 121.1 93.5 140.3  
44 9.3 7.4 11.0

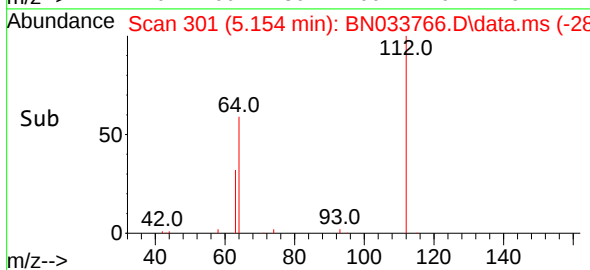
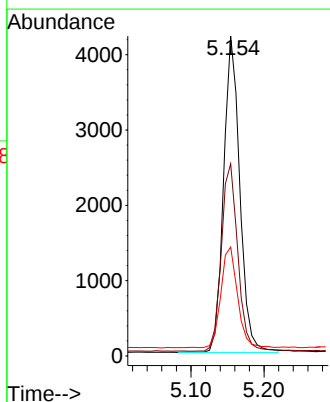
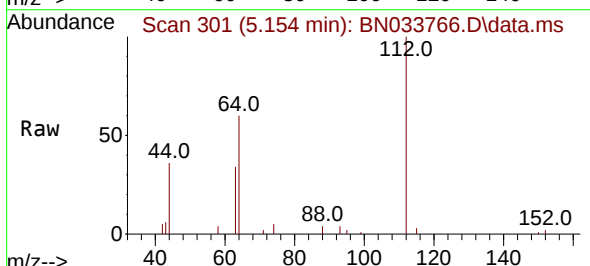
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Supervised By :mohammad ahmed 09/07/2024



#4  
2-Fluorophenol  
Concen: 0.304 ng  
RT: 5.154 min Scan# 301  
Delta R.T. -0.000 min  
Lab File: BN033766.D  
Acq: 05 Sep 2024 13:33

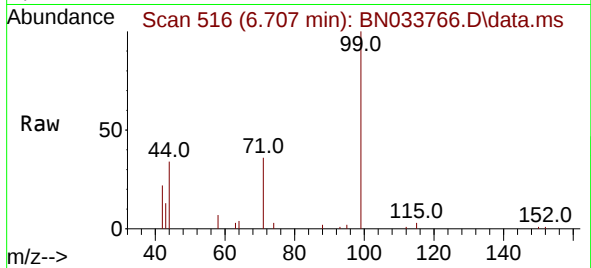
Tgt Ion:112 Resp: 6443  
Ion Ratio Lower Upper  
112 100  
64 60.5 47.6 71.4  
63 32.7 25.9 38.9





#5  
Phenol-d6  
Concen: 0.331 ng  
RT: 6.707 min Scan# 516  
Delta R.T. -0.000 min  
Lab File: BN033766.D  
Acq: 05 Sep 2024 13:33

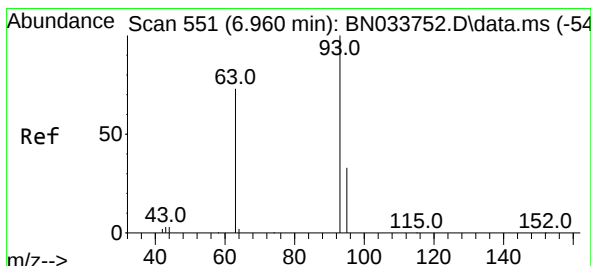
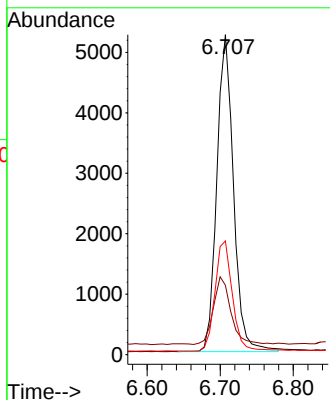
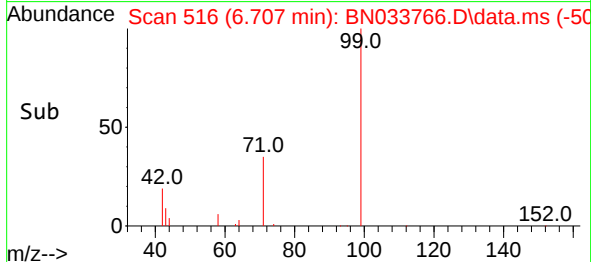
Instrument :  
BNA\_N  
ClientSampleId :  
LOQ-SOIL-02-QT2-2024



Tgt Ion: 99 Resp: 8300  
Ion Ratio Lower Upper  
99 100  
42 22.4 18.0 27.0  
71 36.2 28.7 43.1

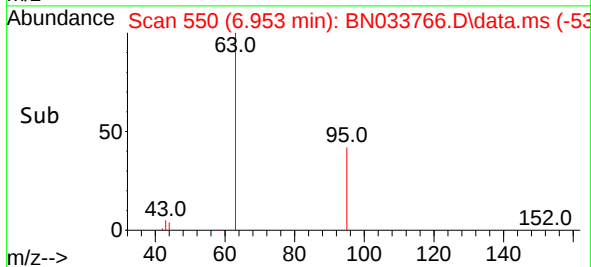
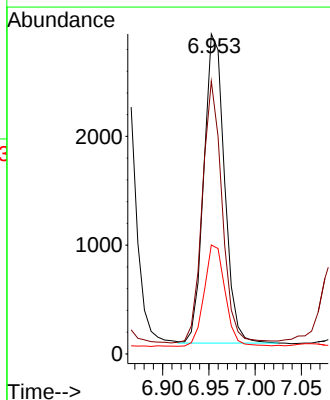
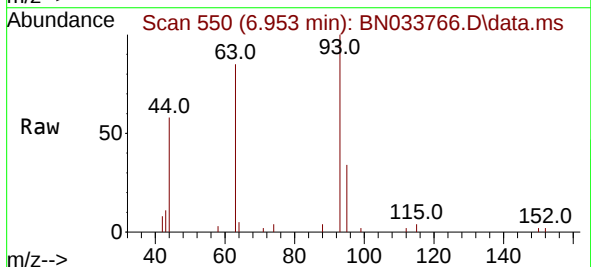
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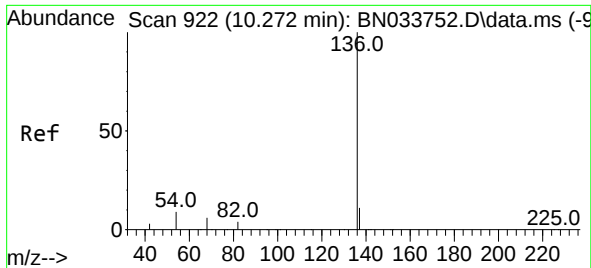
Reviewed By :Jagrut Upadhyay 09/05/2024  
Supervised By :mohammad ahmed 09/07/2024



#6  
bis(2-Chloroethyl)ether  
Concen: 0.232 ng  
RT: 6.953 min Scan# 550  
Delta R.T. -0.007 min  
Lab File: BN033766.D  
Acq: 05 Sep 2024 13:33

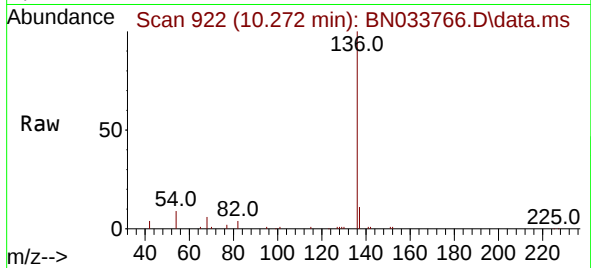
Tgt Ion: 93 Resp: 4406  
Ion Ratio Lower Upper  
93 100  
63 81.5 64.4 96.6  
95 33.2 26.5 39.7





#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.272 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: BN033766.D  
Acq: 05 Sep 2024 13:33

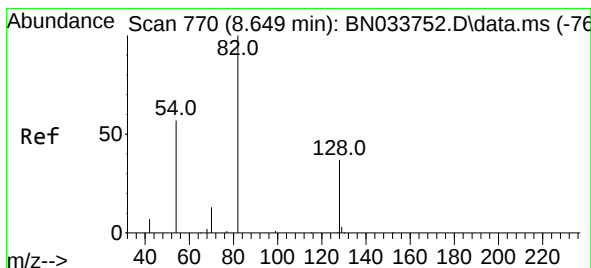
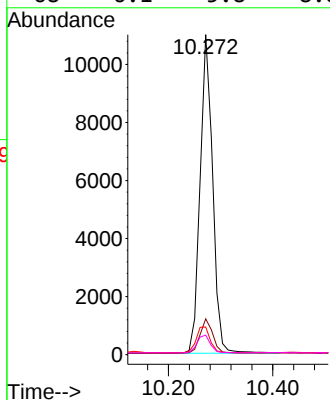
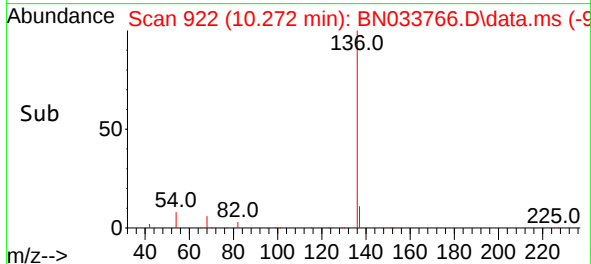
Instrument :  
BNA\_N  
ClientSampleId :  
LOQ-SOIL-02-QT2-2024



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 136   | Resp: | 1827  |
| Ion      | Ratio | Lower | Upper |
| 136      | 100   |       |       |
| 137      | 11.2  | 9.0   | 13.4  |
| 54       | 8.7   | 8.1   | 12.1  |
| 68       | 6.1   | 5.8   | 8.8   |

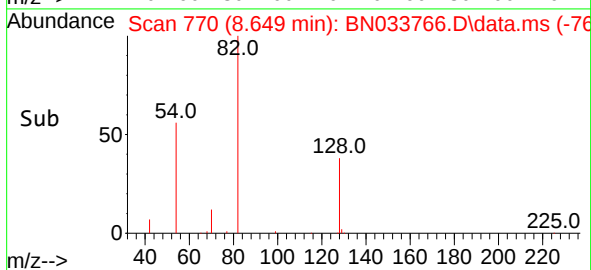
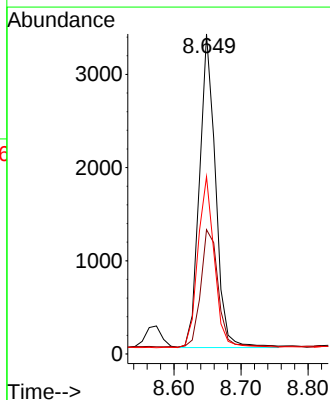
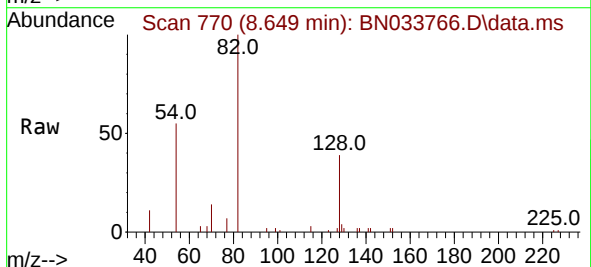
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Supervised By :mohammad ahmed 09/07/2024



#8  
Nitrobenzene-d5  
Concen: 0.360 ng  
RT: 8.649 min Scan# 770  
Delta R.T. -0.000 min  
Lab File: BN033766.D  
Acq: 05 Sep 2024 13:33

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 82    | Resp: | 5606  |
| Ion      | Ratio | Lower | Upper |
| 82       | 100   |       |       |
| 128      | 38.8  | 31.3  | 46.9  |
| 54       | 55.4  | 46.9  | 70.3  |





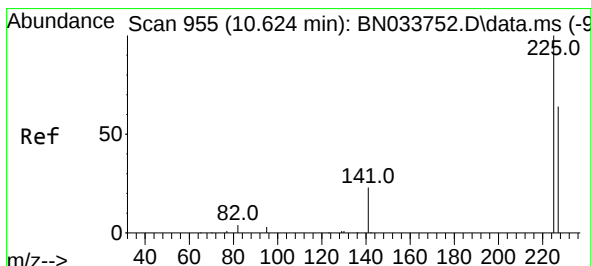
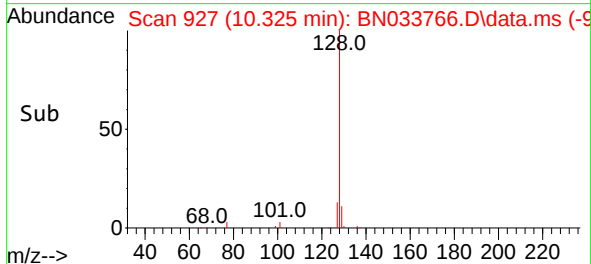
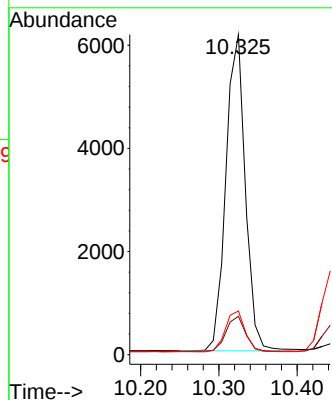
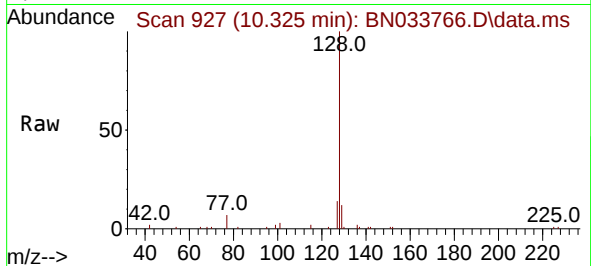
#9  
Naphthalene  
Concen: 0.216 ng  
RT: 10.325 min Scan# 912  
Delta R.T. -0.000 min  
Lab File: BN033766.D  
Acq: 05 Sep 2024 13:33

Instrument :  
BNA\_N  
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Tgt Ion:128 Resp: 10554  
Ion Ratio Lower Upper  
128 100  
129 12.0 8.9 13.3  
127 13.6 10.8 16.2

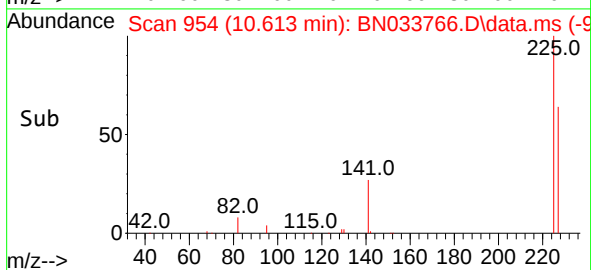
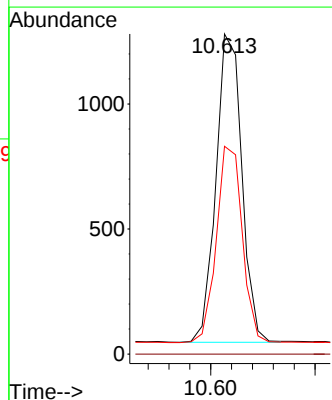
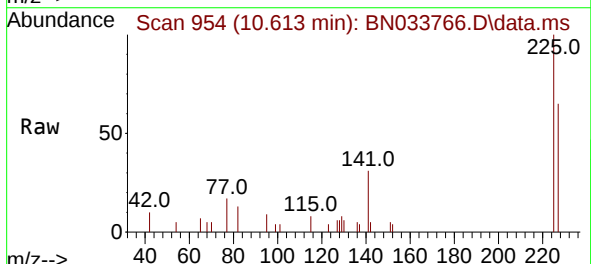
Manual Integrations  
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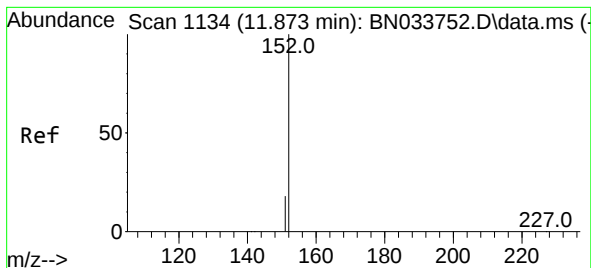
Reviewed By :Jagrut Upadhyay 09/05/2024  
Supervised By :mohammad ahmed 09/07/2024



#10  
Hexachlorobutadiene  
Concen: 0.209 ng  
RT: 10.613 min Scan# 954  
Delta R.T. -0.011 min  
Lab File: BN033766.D  
Acq: 05 Sep 2024 13:33

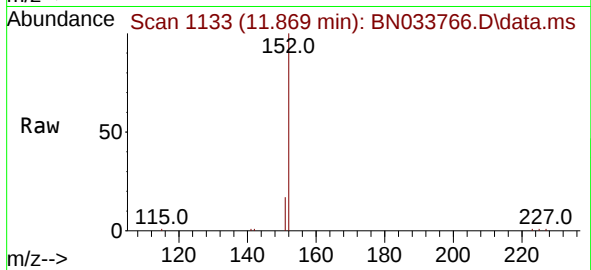
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Ion Ratio Lower Upper  
225 100  
223 0.0 0.0 0.0  
227 63.7 51.2 76.8





#11  
2-Methylnaphthalene-d10  
Concen: 0.554 ng  
RT: 11.869 min Scan# 1133  
Delta R.T. -0.004 min  
Lab File: BN033766.D  
Acq: 05 Sep 2024 13:33

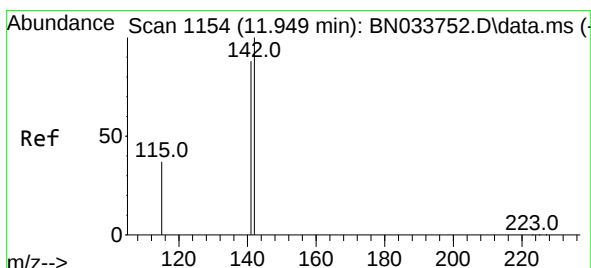
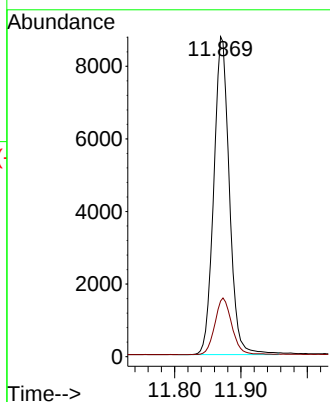
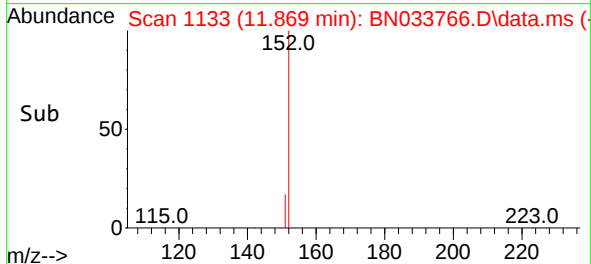
Instrument :  
BNA\_N  
ClientSampleId :  
LOQ-SOIL-02-QT2-2024



Tgt Ion:152 Resp: 14310  
Ion Ratio Lower Upper  
152 100  
151 19.5 16.7 25.1

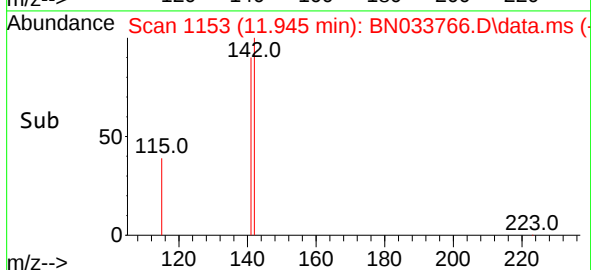
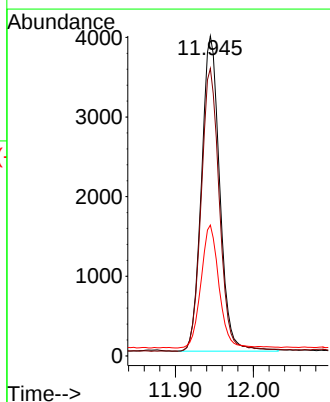
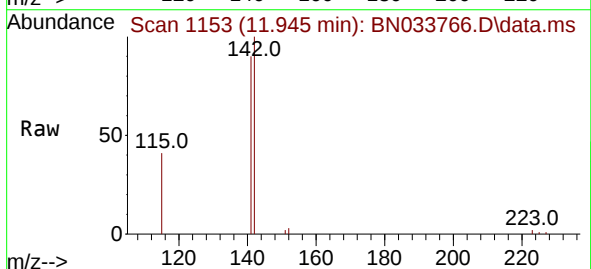
Manual Integrations  
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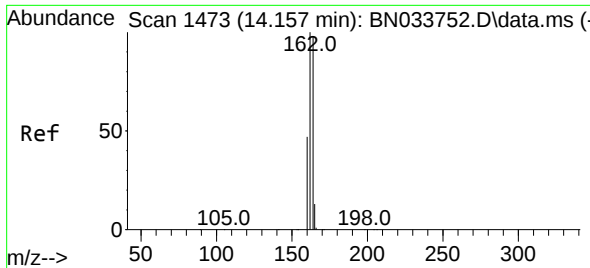
Reviewed By :Jagrut Upadhyay 09/05/2024  
Supervised By :mohammad ahmed 09/07/2024



#12  
2-Methylnaphthalene  
Concen: 0.215 ng  
RT: 11.945 min Scan# 1153  
Delta R.T. -0.004 min  
Lab File: BN033766.D  
Acq: 05 Sep 2024 13:33

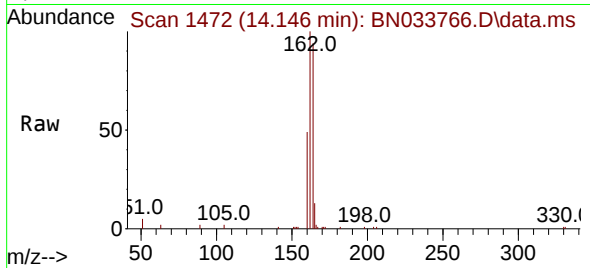
Tgt Ion:142 Resp: 6436  
Ion Ratio Lower Upper  
142 100  
141 89.9 70.9 106.3  
115 40.9 31.0 46.4





#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.146 min Scan# 1472  
Delta R.T. -0.011 min  
Lab File: BN033766.D  
Acq: 05 Sep 2024 13:33

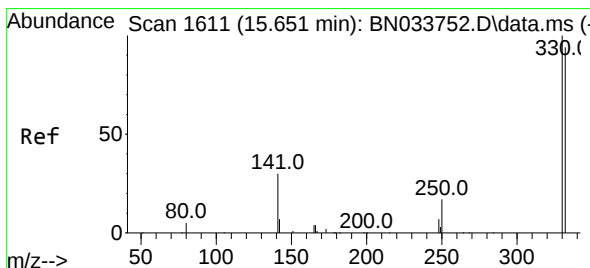
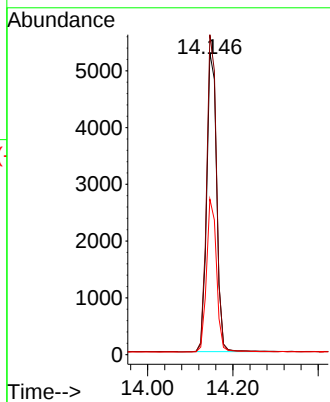
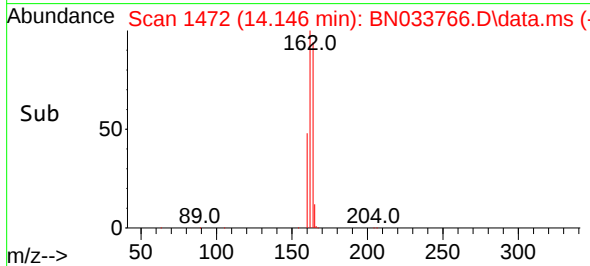
Instrument : BNA\_N  
ClientSampleId : LOQ-SOIL-02-QT2-2024



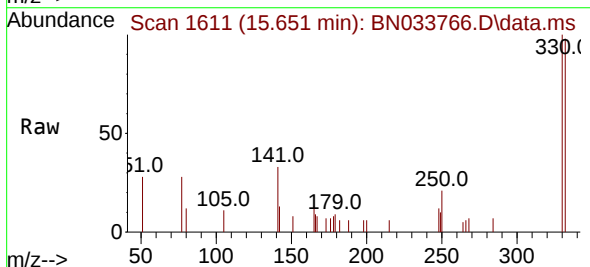
Tgt Ion:164 Resp: 853  
Ion Ratio Lower Upper  
164 100  
162 106.1 82.0 123.0  
160 51.6 39.1 58.7

Manual Integrations  
APPROVED

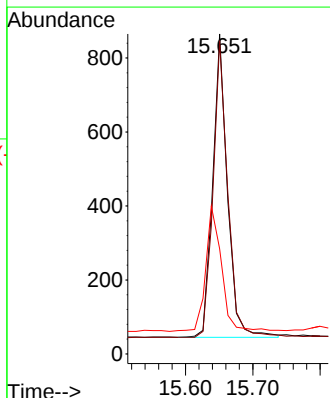
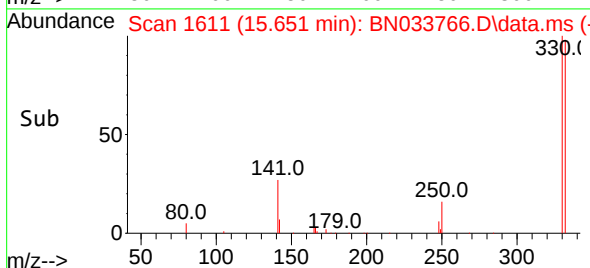
Reviewed By :Jagrut Upadhyay 09/05/2024  
Supervised By :mohammad ahmed 09/07/2024



#14  
2,4,6-Tribromophenol  
Concen: 0.289 ng  
RT: 15.651 min Scan# 1611  
Delta R.T. -0.000 min  
Lab File: BN033766.D  
Acq: 05 Sep 2024 13:33



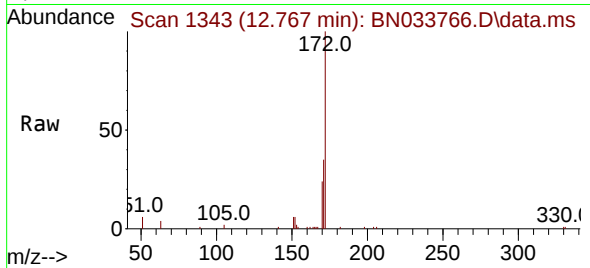
Tgt Ion:330 Resp: 1245  
Ion Ratio Lower Upper  
330 100  
332 97.3 74.2 111.4  
141 44.2 33.9 50.9





#15  
2-Fluorobiphenyl  
Concen: 0.356 ng  
RT: 12.767 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BN033766.D  
Acq: 05 Sep 2024 13:33

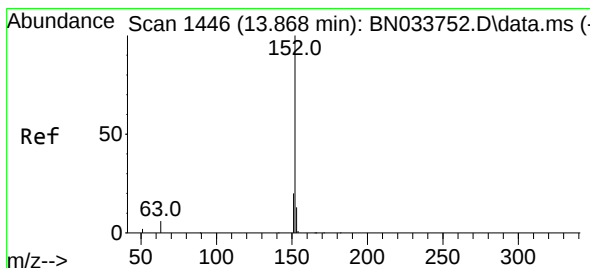
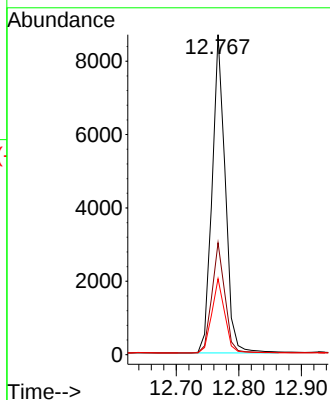
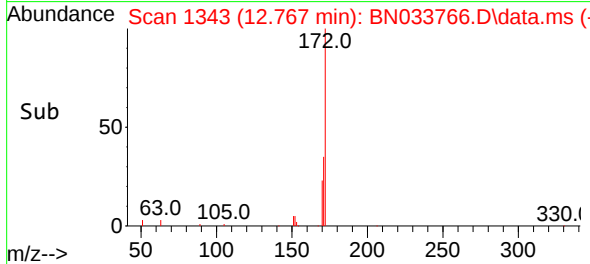
Instrument :  
BNA\_N  
ClientSampleId :  
LOQ-SOIL-02-QT2-2024



Tgt Ion:172 Resp: 1267  
Ion Ratio Lower Upper  
172 100  
171 35.0 28.8 43.2  
170 23.8 19.7 29.5

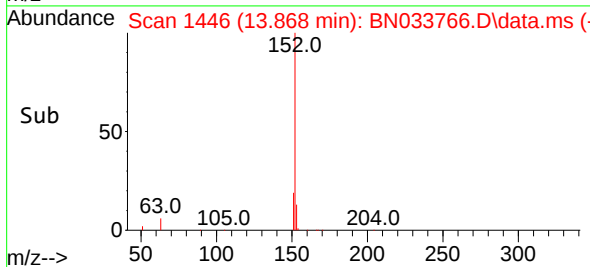
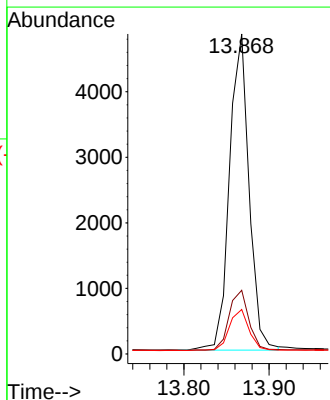
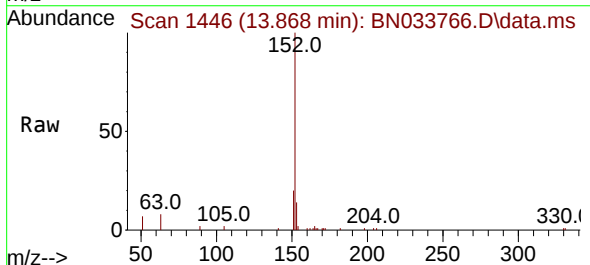
Manual Integrations  
APPROVED

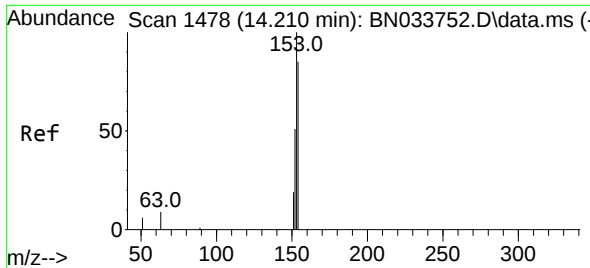
Reviewed By :Jagrut Upadhyay 09/05/2024  
Supervised By :mohammad ahmed 09/07/2024



#16  
Acenaphthylene  
Concen: 0.208 ng  
RT: 13.868 min Scan# 1446  
Delta R.T. -0.000 min  
Lab File: BN033766.D  
Acq: 05 Sep 2024 13:33

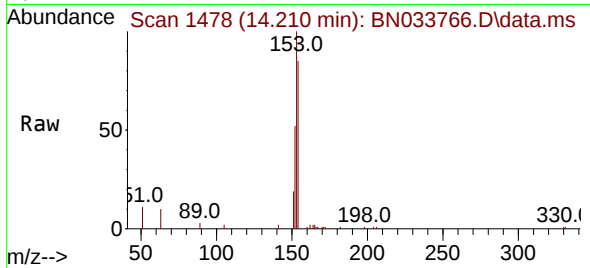
Tgt Ion:152 Resp: 7686  
Ion Ratio Lower Upper  
152 100  
151 19.1 15.6 23.4  
153 13.1 10.3 15.5





#17  
Acenaphthene  
Concen: 0.211 ng  
RT: 14.210 min Scan# 1478  
Delta R.T. -0.000 min  
Lab File: BN033766.D  
Acq: 05 Sep 2024 13:33

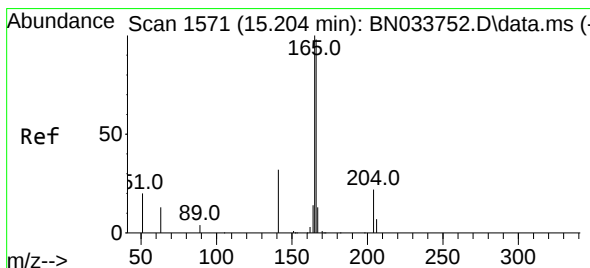
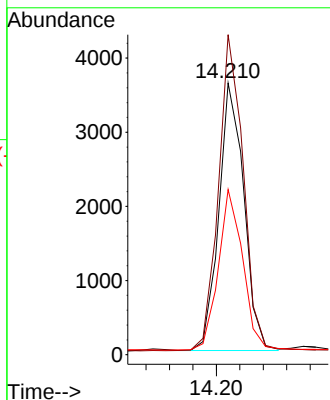
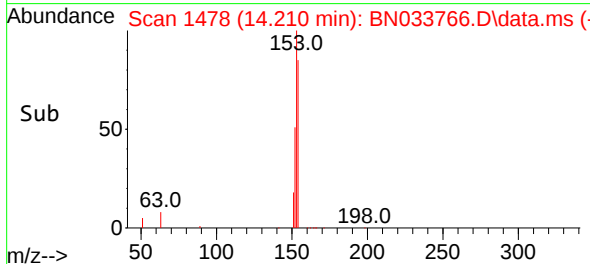
Instrument : BNA\_N  
ClientSampleId : LOQ-SOIL-02-QT2-2024



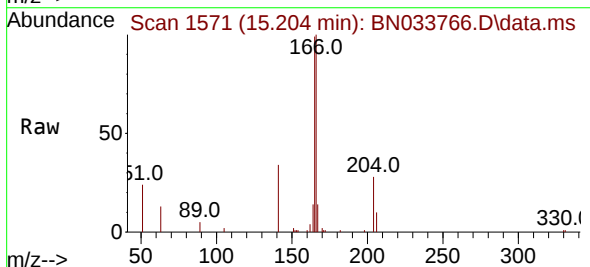
Tgt Ion:154 Resp: 5338  
Ion Ratio Lower Upper  
154 100  
153 116.8 91.4 137.2  
152 58.4 45.8 68.6

Manual Integrations  
APPROVED

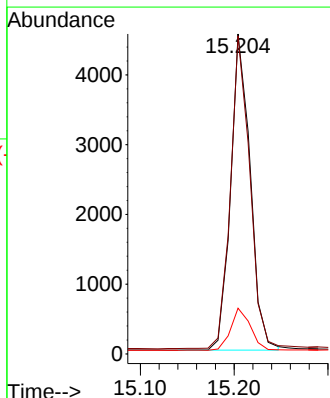
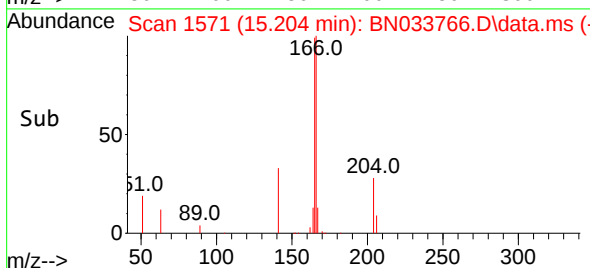
Reviewed By :Jagrut Upadhyay 09/05/2024  
Supervised By :mohammad ahmed 09/07/2024

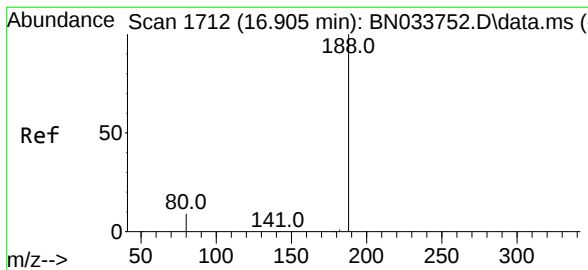


#18  
Fluorene  
Concen: 0.211 ng  
RT: 15.204 min Scan# 1571  
Delta R.T. -0.000 min  
Lab File: BN033766.D  
Acq: 05 Sep 2024 13:33



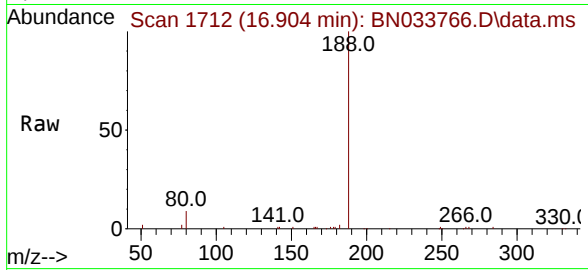
Tgt Ion:166 Resp: 6566  
Ion Ratio Lower Upper  
166 100  
165 98.1 78.8 118.2  
167 13.5 10.6 16.0





#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 16.904 min Scan# 1712  
Delta R.T. -0.000 min  
Lab File: BN033766.D  
Acq: 05 Sep 2024 13:33

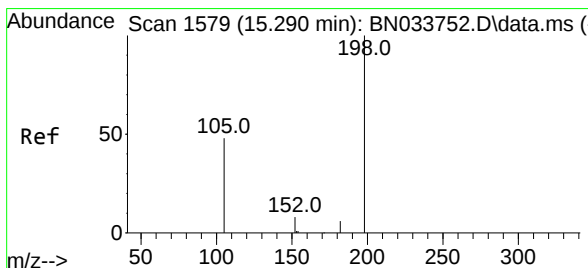
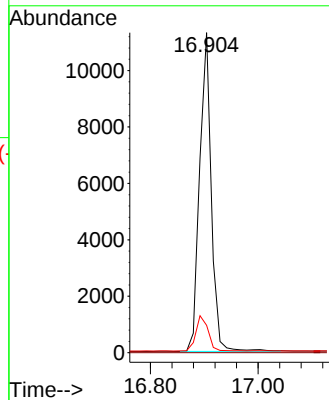
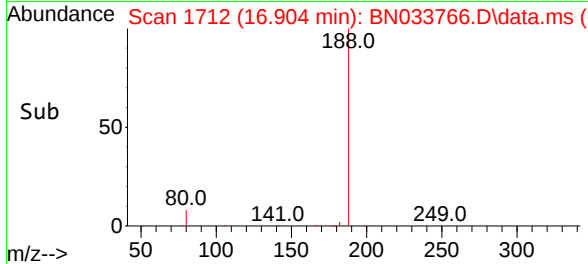
Instrument :  
BNA\_N  
ClientSampleId :  
LOQ-SOIL-02-QT2-2024



Tgt Ion:188 Resp: 17020  
Ion Ratio Lower Upper  
188 100  
94 0.0 0.0 0.0  
80 8.6 7.9 11.9

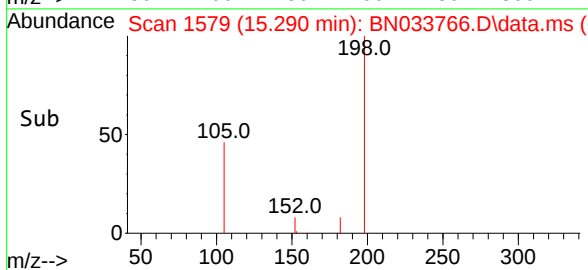
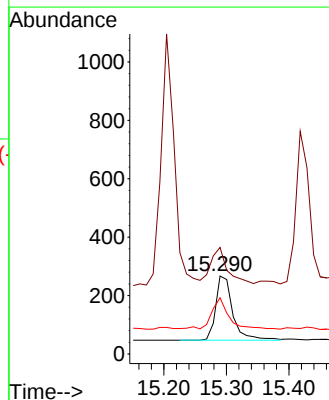
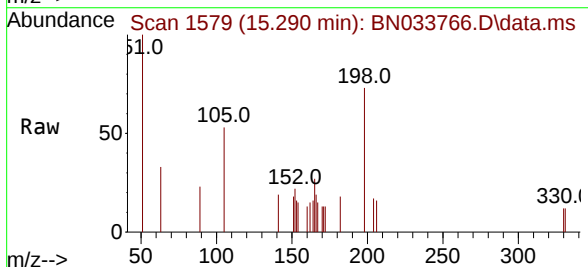
Manual Integrations  
APPROVED

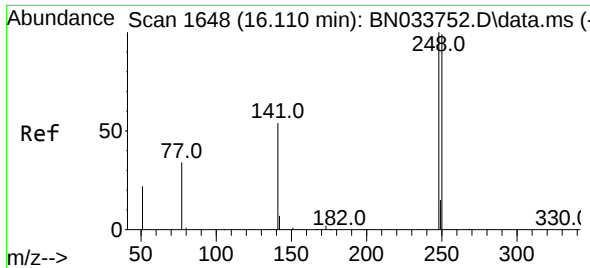
Reviewed By :Jagrut Upadhyay 09/05/2024  
Supervised By :mohammad ahmed 09/07/2024



#20  
4,6-Dinitro-2-methylphenol  
Concen: 0.155 ng  
RT: 15.290 min Scan# 1579  
Delta R.T. -0.000 min  
Lab File: BN033766.D  
Acq: 05 Sep 2024 13:33

Tgt Ion:198 Resp: 416  
Ion Ratio Lower Upper  
198 100  
51 136.7 92.8 139.2  
105 71.9 59.4 89.0





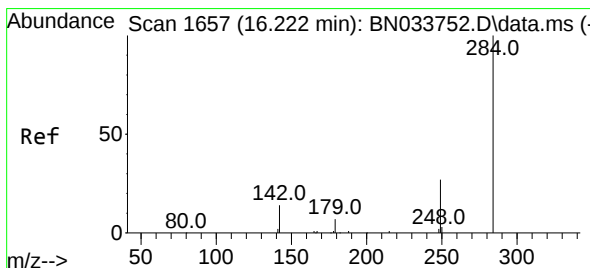
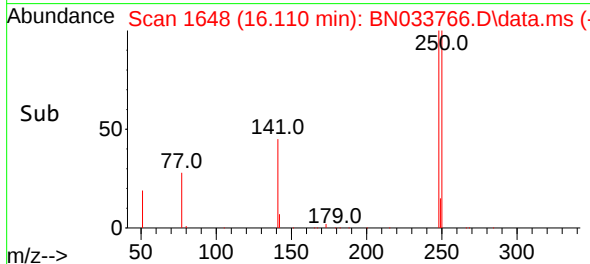
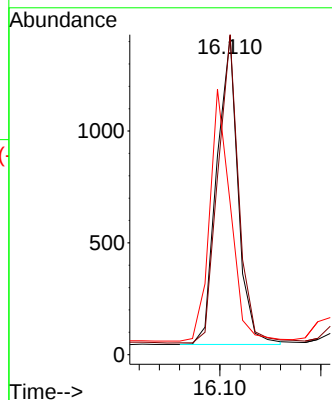
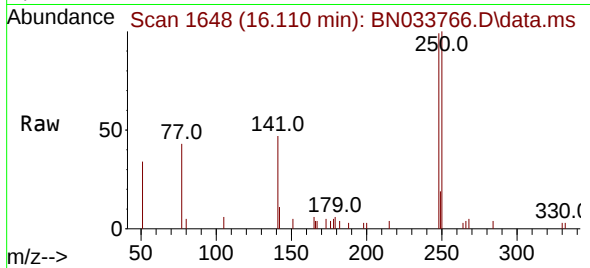
#21  
4-Bromophenyl-phenylether  
Concen: 0.204 ng  
RT: 16.110 min Scan# 1648  
Delta R.T. -0.000 min  
Lab File: BN033766.D  
Acq: 05 Sep 2024 13:33

Instrument :  
BNA\_N  
ClientSampleId :  
LOQ-SOIL-02-QT2-2024

Tgt Ion:248 Resp: 201  
Ion Ratio Lower Upper  
248 100  
250 100.6 79.5 119.3  
141 47.7 44.9 67.3

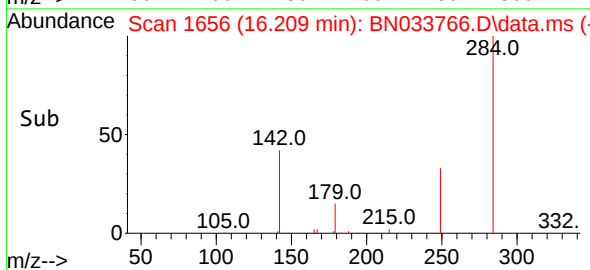
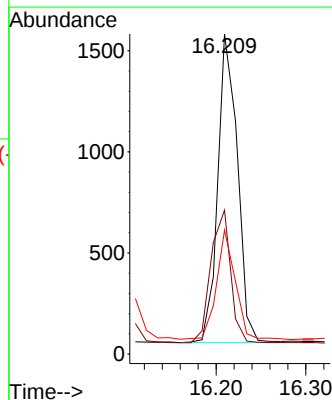
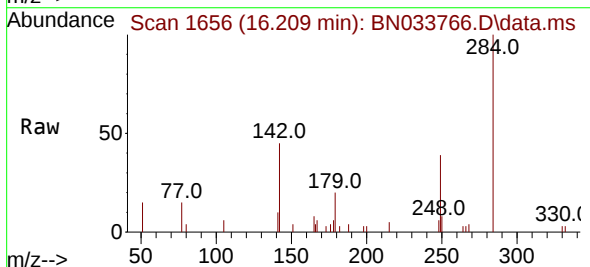
Manual Integrations  
APPROVED

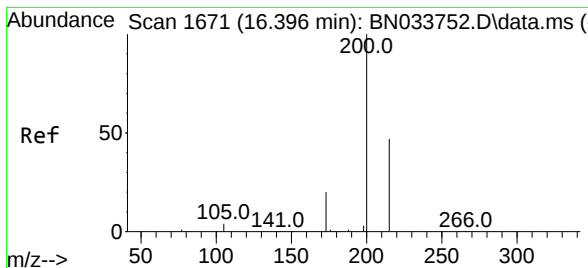
Reviewed By :Jagrut Upadhyay 09/05/2024  
Supervised By :mohammad ahmed 09/07/2024



#22  
Hexachlorobenzene  
Concen: 0.205 ng  
RT: 16.209 min Scan# 1656  
Delta R.T. -0.013 min  
Lab File: BN033766.D  
Acq: 05 Sep 2024 13:33

Tgt Ion:284 Resp: 2317  
Ion Ratio Lower Upper  
284 100  
142 43.0 32.8 49.2  
249 33.5 26.2 39.2





#23

Atrazine

Concen: 0.194 ng

RT: 16.383 min Scan# 1670

Delta R.T. -0.013 min

Lab File: BN033766.D

Acq: 05 Sep 2024 13:33

Instrument :

BNA\_N

ClientSampleId :

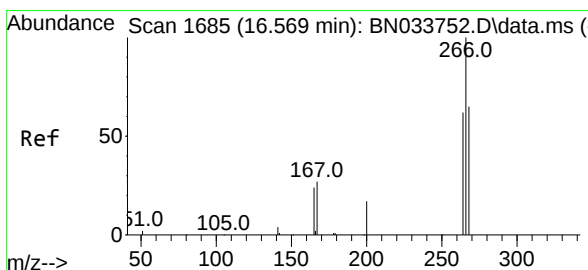
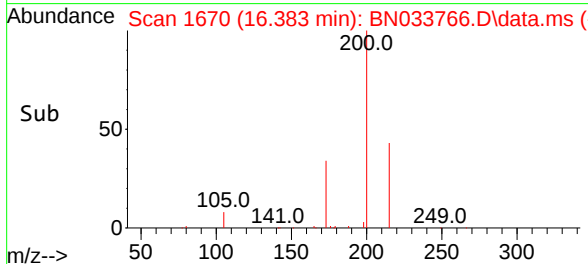
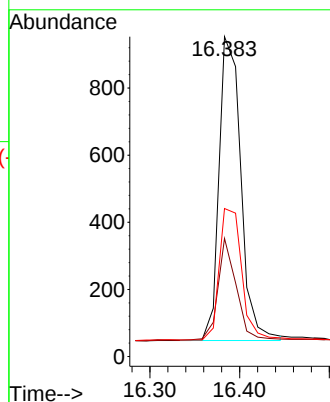
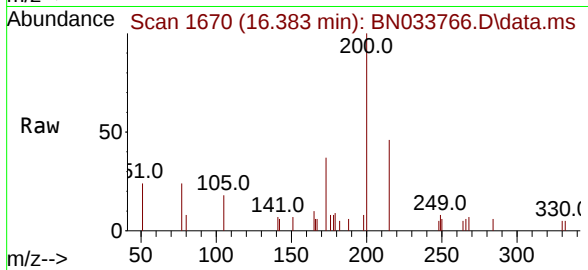
LOQ-SOIL-02-QT2-2024

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 200   | Resp: | 1520 |
| Ion Ratio | Lower | Upper |      |
| 200       | 100   |       |      |
| 173       | 36.9  | 18.2  | 27.4 |
| 215       | 46.3  | 39.0  | 58.4 |

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/05/2024  
Supervised By :mohammad ahmed 09/07/2024



#24

Pentachlorophenol

Concen: 0.210 ng

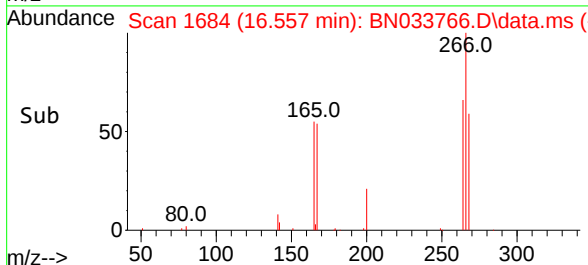
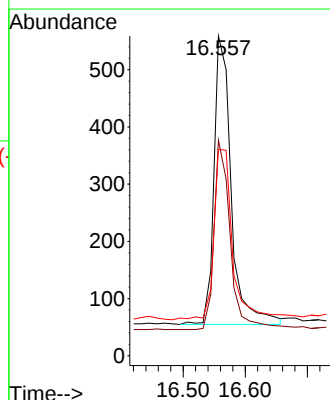
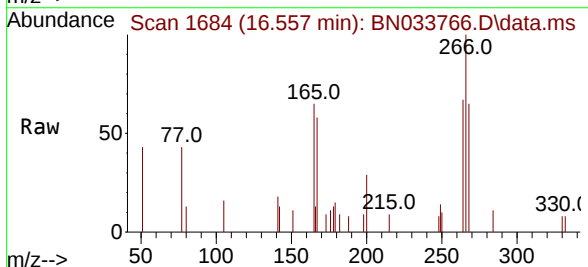
RT: 16.557 min Scan# 1684

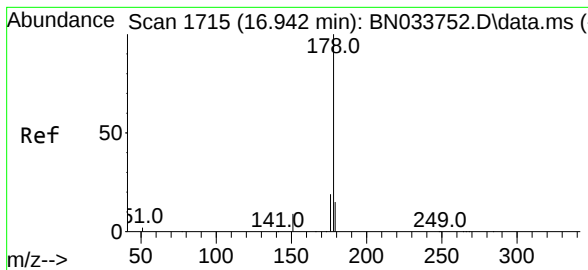
Delta R.T. -0.013 min

Lab File: BN033766.D

Acq: 05 Sep 2024 13:33

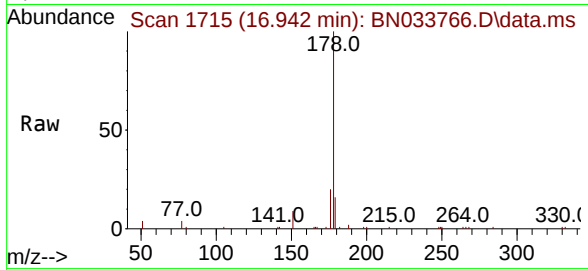
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 266   | Resp: | 970  |
| Ion Ratio | Lower | Upper |      |
| 266       | 100   |       |      |
| 264       | 62.0  | 49.6  | 74.4 |
| 268       | 62.3  | 52.2  | 78.4 |





#25  
Phenanthrene  
Concen: 0.217 ng  
RT: 16.942 min Scan# 1715  
Delta R.T. -0.000 min  
Lab File: BN033766.D  
Acq: 05 Sep 2024 13:33

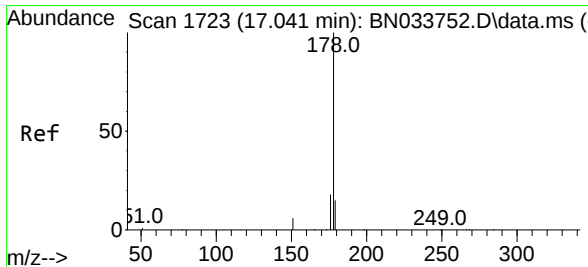
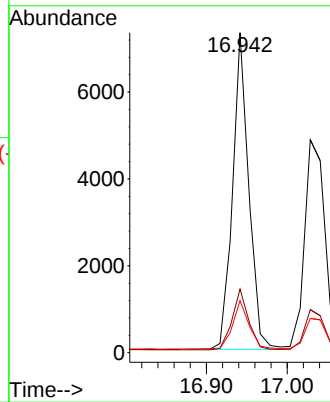
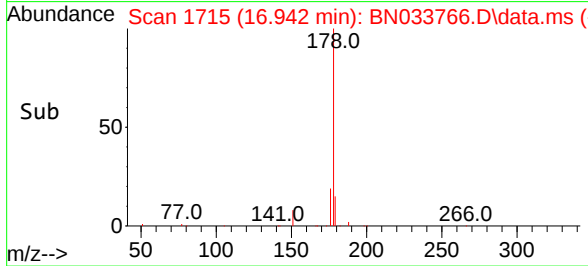
Instrument :  
BNA\_N  
ClientSampleId :  
LOQ-SOIL-02-QT2-2024



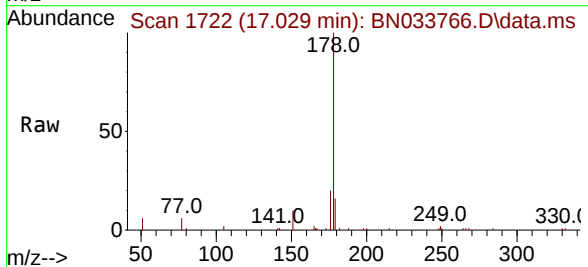
Tgt Ion:178 Resp: 1018  
Ion Ratio Lower Upper  
178 100  
176 19.3 15.4 23.0  
179 15.5 12.2 18.4

Manual Integrations  
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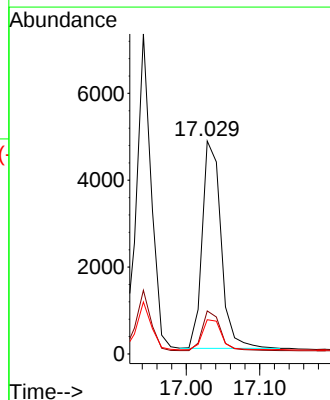
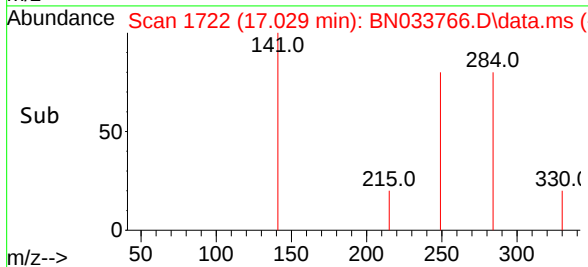
Reviewed By :Jagrut Upadhyay 09/05/2024  
Supervised By :mohammad ahmed 09/07/2024

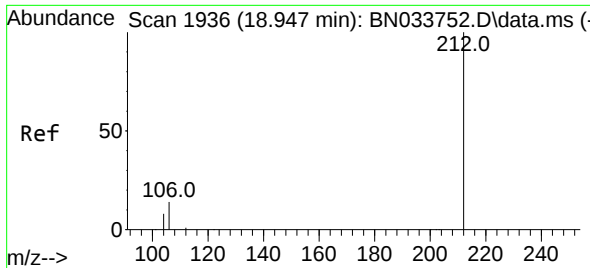


#26  
Anthracene  
Concen: 0.209 ng  
RT: 17.029 min Scan# 1722  
Delta R.T. -0.013 min  
Lab File: BN033766.D  
Acq: 05 Sep 2024 13:33



Tgt Ion:178 Resp: 8510  
Ion Ratio Lower Upper  
178 100  
176 18.6 14.8 22.2  
179 15.0 12.4 18.6





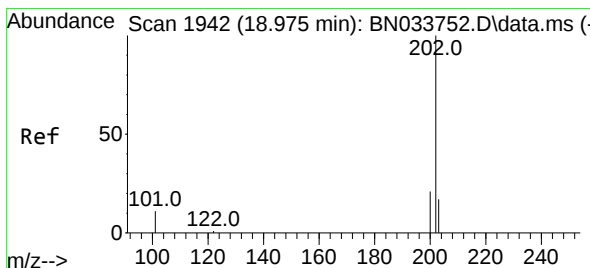
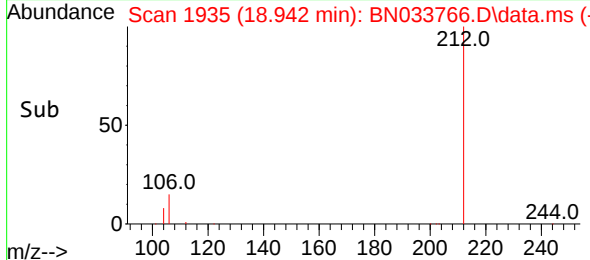
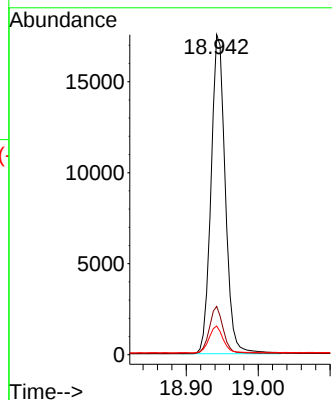
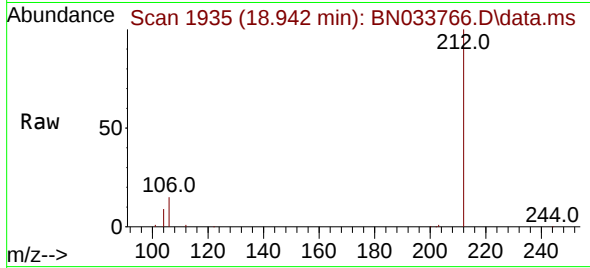
#27  
Fluoranthene-d10  
Concen: 0.573 ng  
RT: 18.942 min Scan# 1935  
Delta R.T. -0.005 min  
Lab File: BN033766.D  
Acq: 05 Sep 2024 13:33

Instrument :  
BNA\_N  
ClientSampleId :  
LOQ-SOIL-02-QT2-2024

Tgt Ion:212 Resp: 24059  
Ion Ratio Lower Upper  
212 100  
106 14.4 11.5 17.3  
104 8.4 6.6 9.8

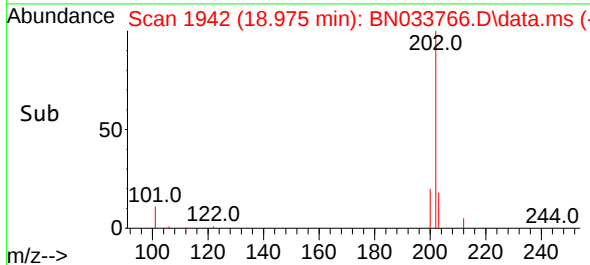
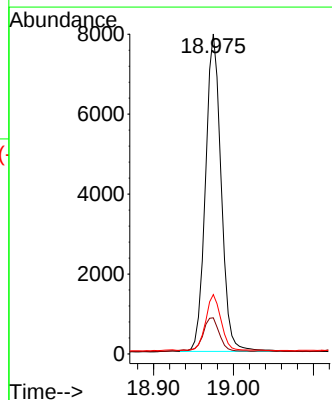
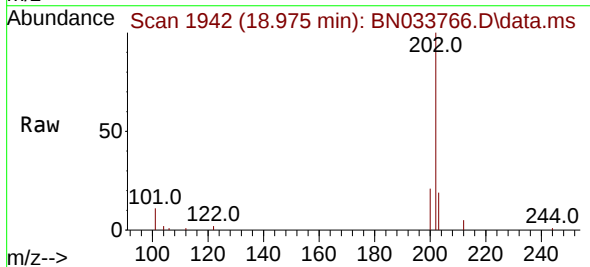
Manual Integrations  
APPROVED

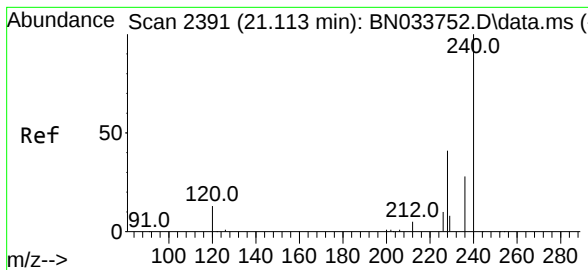
Reviewed By :Jagrut Upadhyay 09/05/2024  
Supervised By :mohammad ahmed 09/07/2024



#28  
Fluoranthene  
Concen: 0.206 ng  
RT: 18.975 min Scan# 1942  
Delta R.T. -0.000 min  
Lab File: BN033766.D  
Acq: 05 Sep 2024 13:33

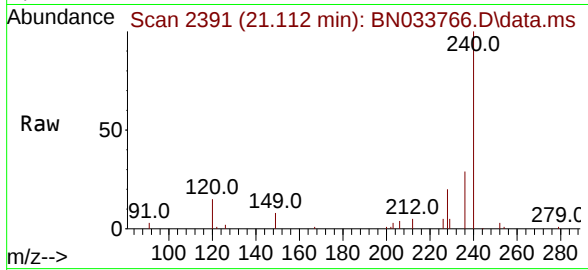
Tgt Ion:202 Resp: 10813  
Ion Ratio Lower Upper  
202 100  
101 11.7 9.2 13.8  
203 17.5 13.8 20.6





#29  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.112 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: BN033766.D  
Acq: 05 Sep 2024 13:33

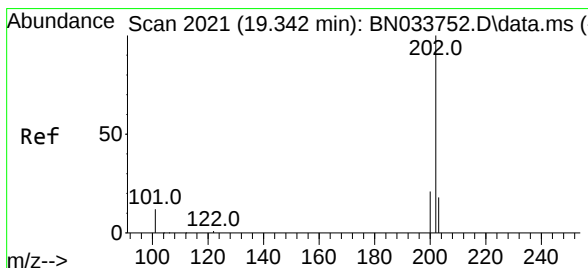
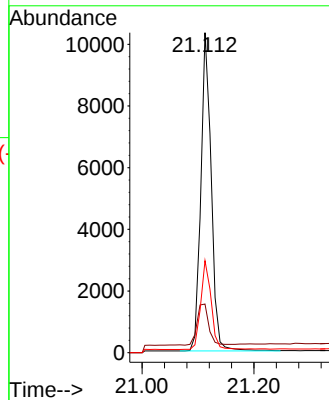
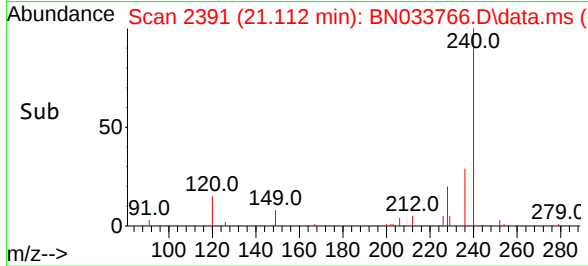
Instrument :  
BNA\_N  
ClientSampleId :  
LOQ-SOIL-02-QT2-2024



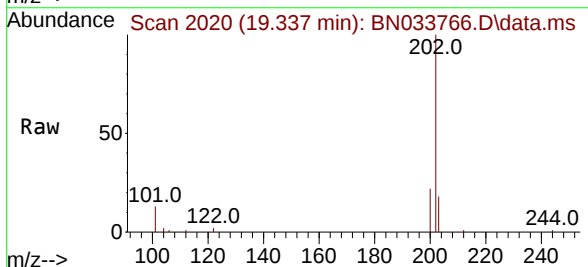
Tgt Ion:240 Resp: 13260  
Ion Ratio Lower Upper  
240 100  
120 15.2 13.7 20.5  
236 28.7 23.4 35.2

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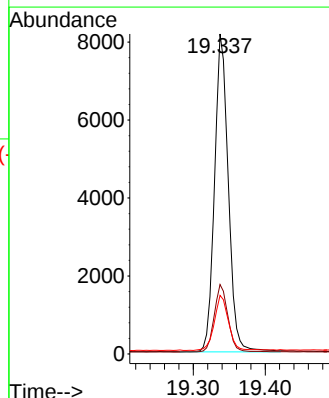
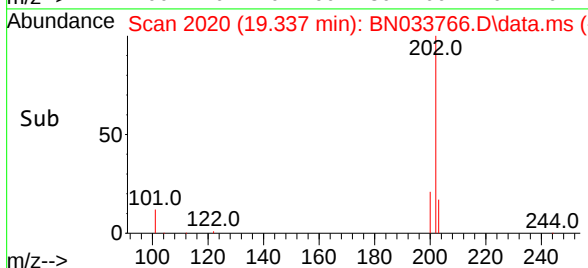
Reviewed By :Jagrut Upadhyay 09/05/2024  
Supervised By :mohammad ahmed 09/07/2024

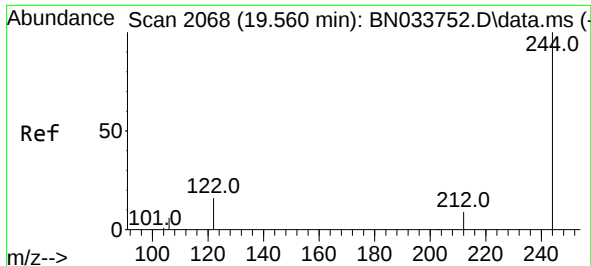


#30  
Pyrene  
Concen: 0.202 ng  
RT: 19.337 min Scan# 2020  
Delta R.T. -0.005 min  
Lab File: BN033766.D  
Acq: 05 Sep 2024 13:33



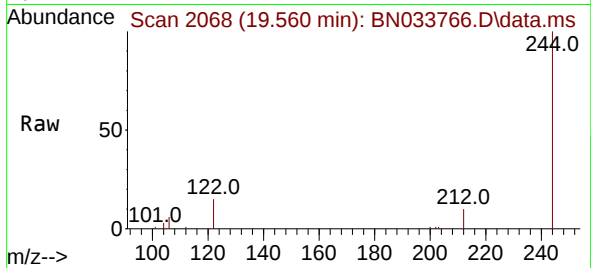
Tgt Ion:202 Resp: 10822  
Ion Ratio Lower Upper  
202 100  
200 21.0 16.8 25.2  
203 17.9 14.4 21.6





#31  
 Terphenyl-d14  
 Concen: 0.355 ng  
 RT: 19.560 min Scan# 2068  
 Delta R.T. -0.000 min  
 Lab File: BN033766.D  
 Acq: 05 Sep 2024 13:33

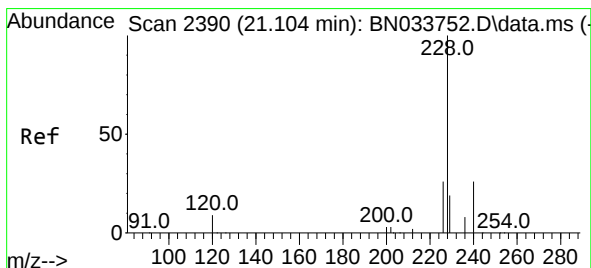
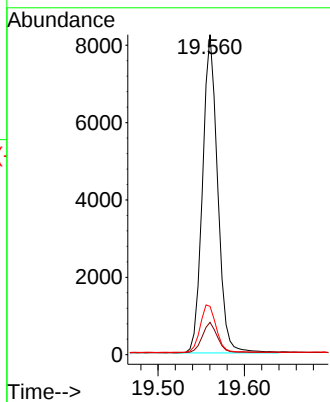
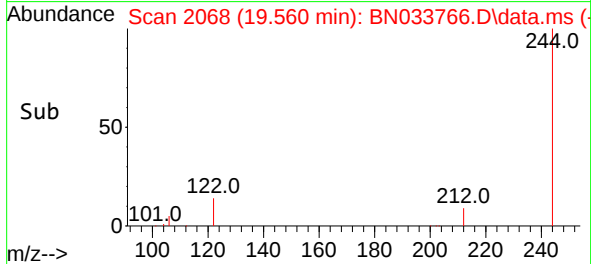
Instrument : BNA\_N  
 ClientSampleId : LOQ-SOIL-02-QT2-2024



Tgt Ion:244 Resp: 1003  
 Ion Ratio Lower Upper  
 244 100  
 212 10.1 7.9 11.9  
 122 15.1 13.2 19.8

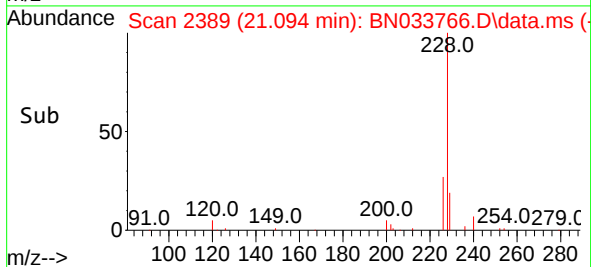
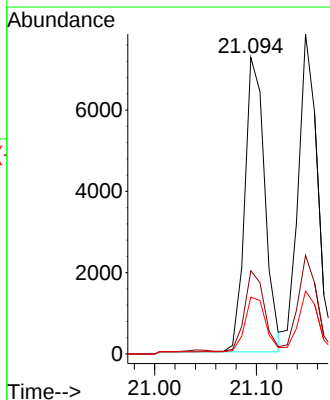
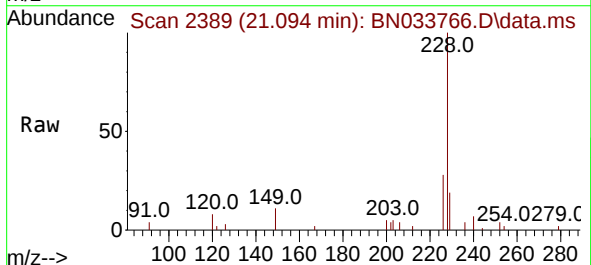
Manual Integrations  
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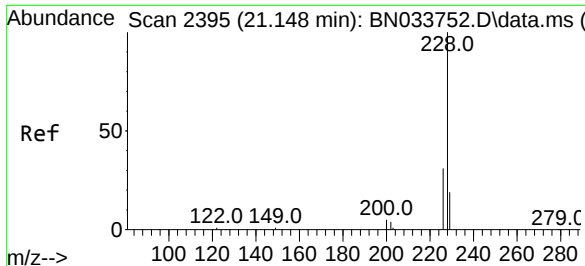
Reviewed By :Jagrut Upadhyay 09/05/2024  
 Supervised By :mohammad ahmed 09/07/2024



#32  
 Benzo(a)anthracene  
 Concen: 0.209 ng  
 RT: 21.094 min Scan# 2389  
 Delta R.T. -0.009 min  
 Lab File: BN033766.D  
 Acq: 05 Sep 2024 13:33

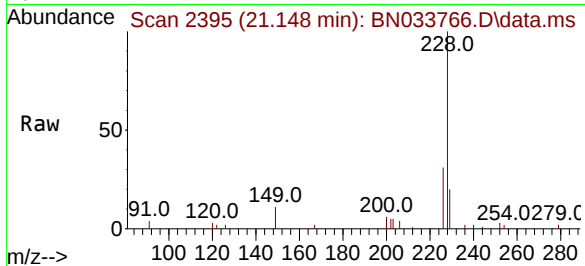
Tgt Ion:228 Resp: 9898  
 Ion Ratio Lower Upper  
 228 100  
 226 28.1 21.2 31.8  
 229 19.1 15.9 23.9





#33  
Chrysene  
Concen: 0.218 ng  
RT: 21.148 min Scan# 2395  
Delta R.T. -0.000 min  
Lab File: BN033766.D  
Acq: 05 Sep 2024 13:33

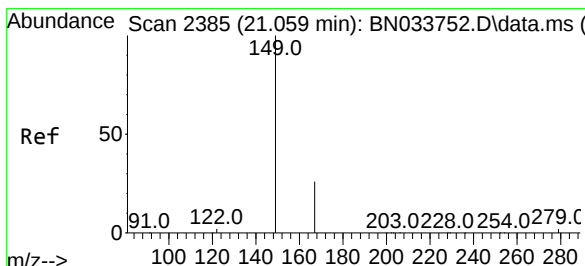
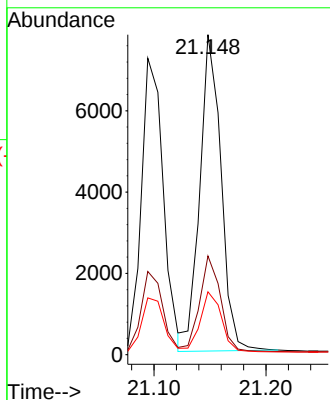
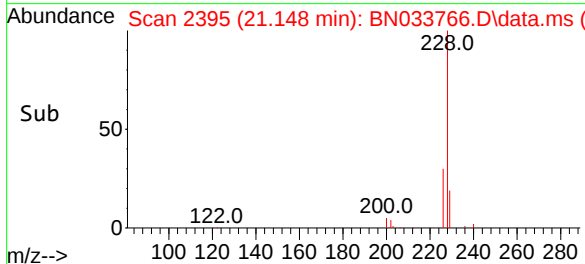
Instrument : BNA\_N  
ClientSampleId : LOQ-SOIL-02-QT2-2024



Tgt Ion: 228 Resp: 10219  
Ion Ratio Lower Upper  
228 100  
226 30.9 25.0 37.6  
229 19.6 15.6 23.4

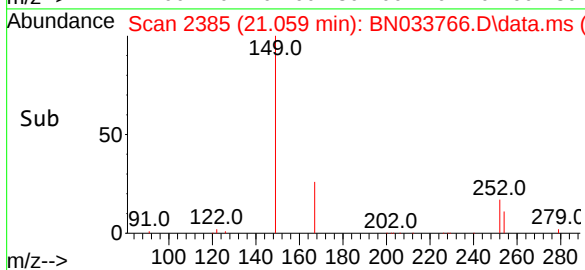
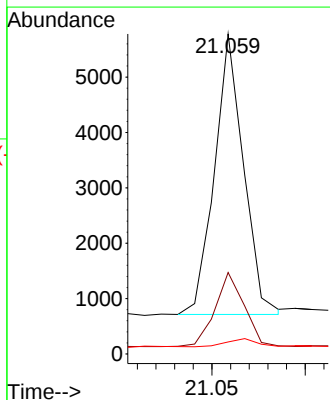
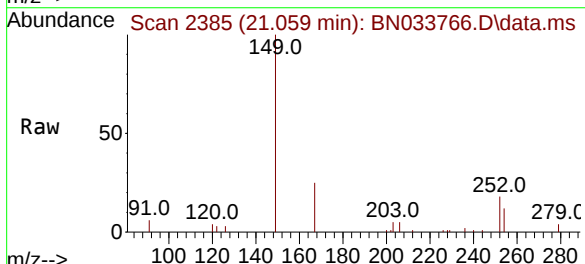
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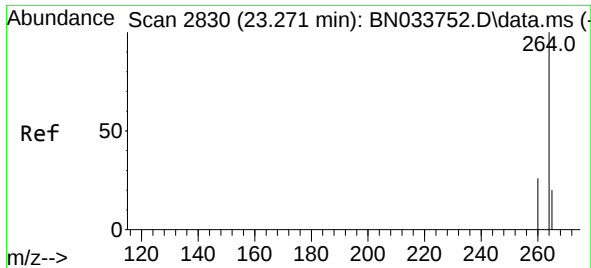
Reviewed By :Jagrut Upadhyay 09/05/2024  
Supervised By :mohammad ahmed 09/07/2024



#34  
Bis(2-ethylhexyl)phthalate  
Concen: 0.212 ng  
RT: 21.059 min Scan# 2385  
Delta R.T. -0.000 min  
Lab File: BN033766.D  
Acq: 05 Sep 2024 13:33

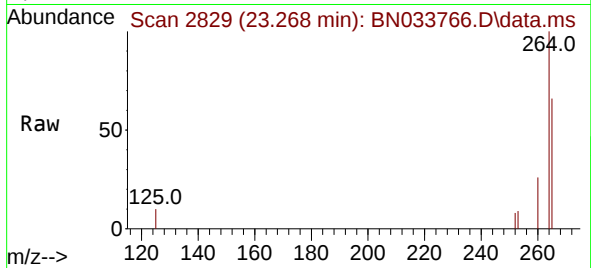
Tgt Ion: 149 Resp: 5477  
Ion Ratio Lower Upper  
149 100  
167 26.5 21.0 31.4  
279 3.0 2.4 3.6





#35  
Perylene-d12  
Concen: 0.400 ng  
RT: 23.268 min Scan# 2829  
Delta R.T. -0.003 min  
Lab File: BN033766.D  
Acq: 05 Sep 2024 13:33

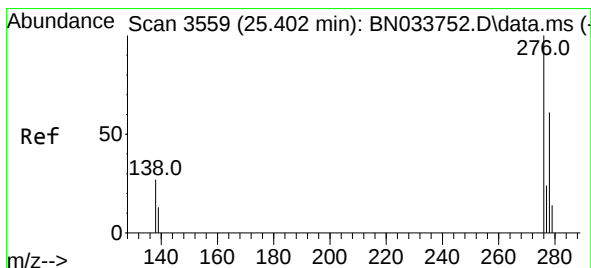
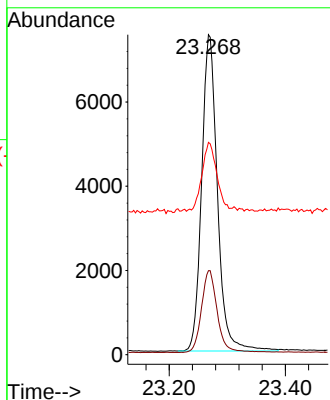
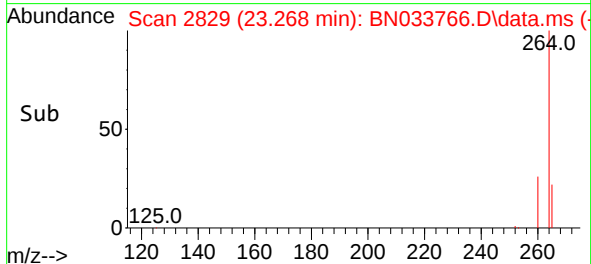
Instrument : BNA\_N  
ClientSampleId : LOQ-SOIL-02-QT2-2024



Tgt Ion:264 Resp: 14145  
Ion Ratio Lower Upper  
264 100  
260 26.3 21.1 31.7  
265 66.3 72.0 108.0

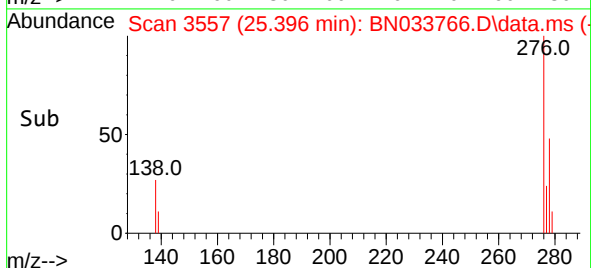
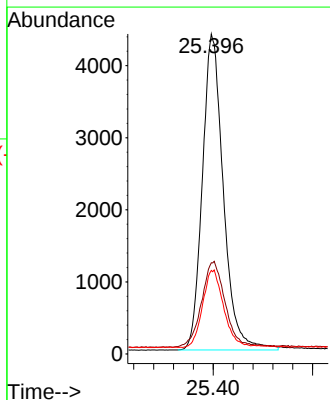
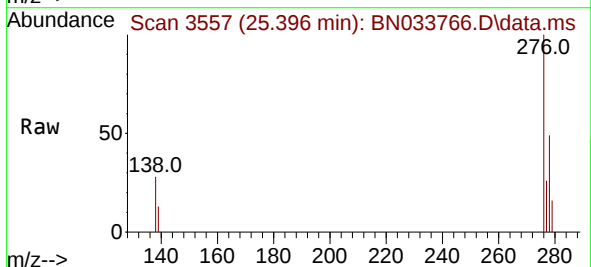
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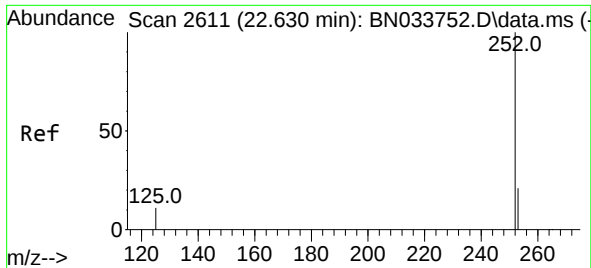
Reviewed By :Jagrut Upadhyay 09/05/2024  
Supervised By :mohammad ahmed 09/07/2024



#36  
Indeno(1,2,3-cd)pyrene  
Concen: 0.220 ng  
RT: 25.396 min Scan# 3557  
Delta R.T. -0.006 min  
Lab File: BN033766.D  
Acq: 05 Sep 2024 13:33

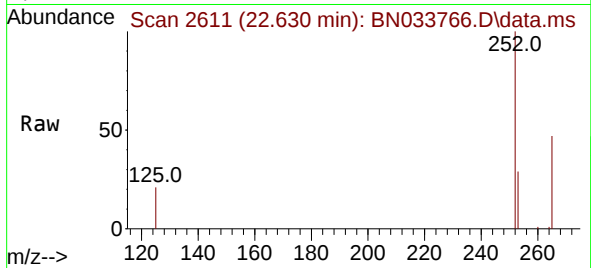
Tgt Ion:276 Resp: 12874  
Ion Ratio Lower Upper  
276 100  
138 30.1 23.0 34.6  
277 24.5 20.2 30.4





#37  
Benzo(b)fluoranthene  
Concen: 0.201 ng  
RT: 22.630 min Scan# 2611  
Delta R.T. -0.000 min  
Lab File: BN033766.D  
Acq: 05 Sep 2024 13:33

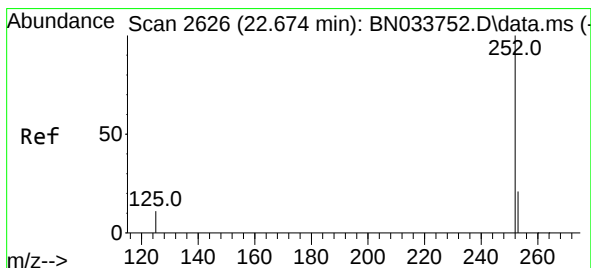
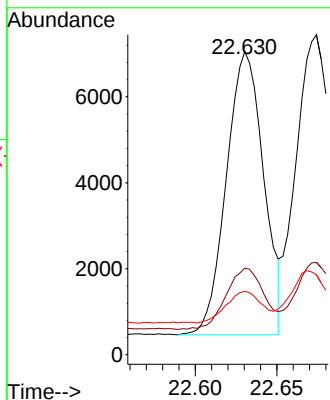
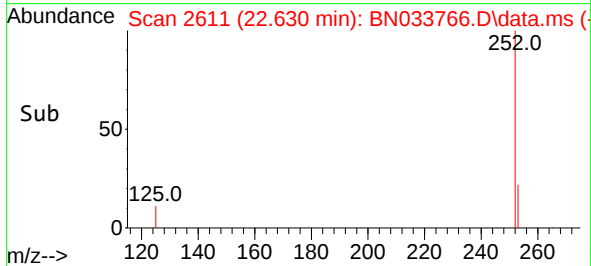
Instrument :  
BNA\_N  
ClientSampleId :  
LOQ-SOIL-02-QT2-2024



Tgt Ion:252 Resp: 1044  
Ion Ratio Lower Upper  
252 100  
253 28.6 21.8 32.6  
125 20.9 15.4 23.0

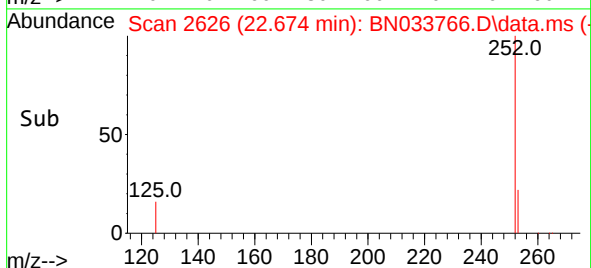
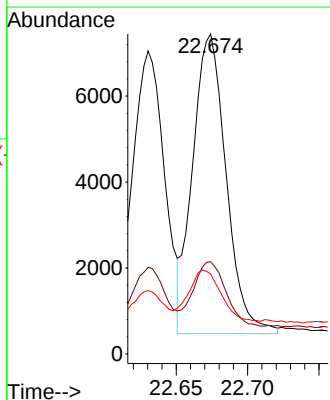
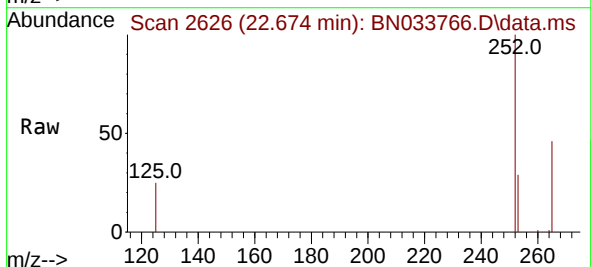
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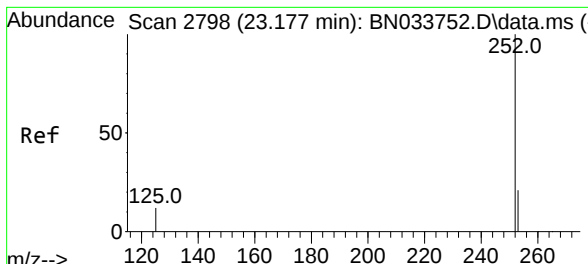
Reviewed By :Jagrut Upadhyay 09/05/2024  
Supervised By :mohammad ahmed 09/07/2024



#38  
Benzo(k)fluoranthene  
Concen: 0.225 ng m  
RT: 22.674 min Scan# 2626  
Delta R.T. -0.000 min  
Lab File: BN033766.D  
Acq: 05 Sep 2024 13:33

Tgt Ion:252 Resp: 11391  
Ion Ratio Lower Upper  
252 100  
253 28.8 21.8 32.8  
125 24.9 15.4 23.2#



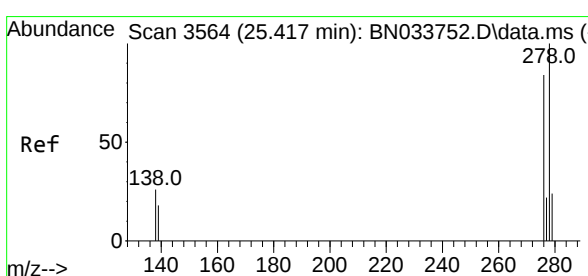
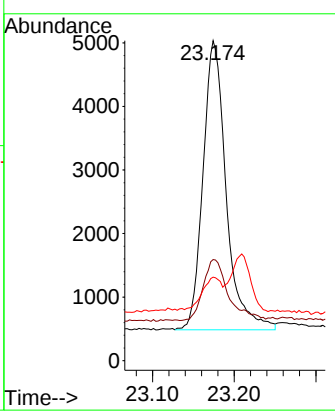
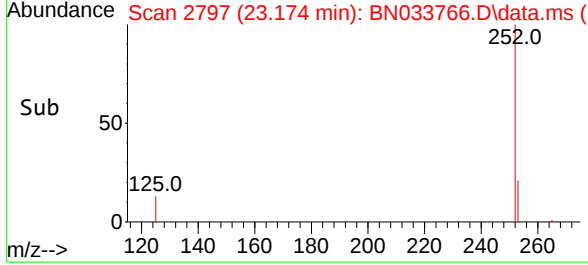
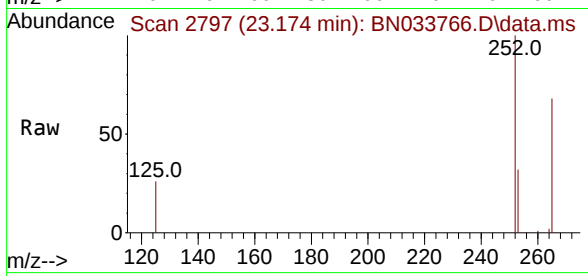


#39  
Benzo(a)pyrene  
Concen: 0.206 ng  
RT: 23.174 min Scan# 21  
Delta R.T. -0.003 min  
Lab File: BN033766.D  
Acq: 05 Sep 2024 13:33

Instrument : BNA\_N  
ClientSampleId : LOQ-SOIL-02-QT2-2024

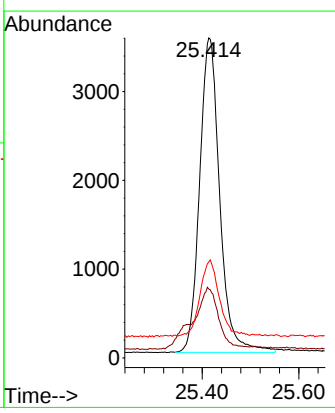
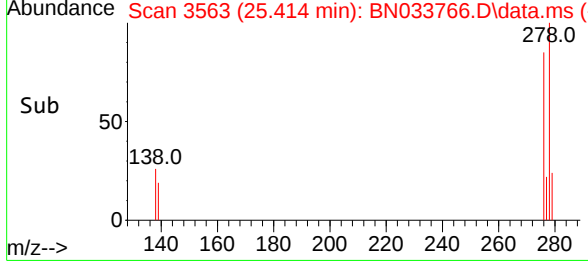
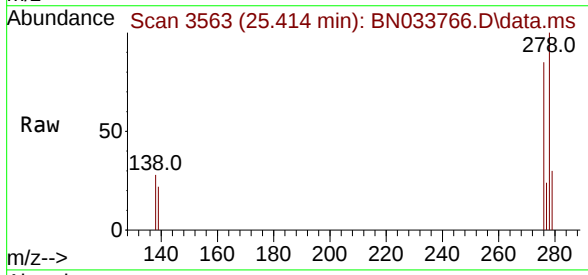
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 252   | Resp: | 896  |
| Ion Ratio | Lower | Upper |      |
| 252       | 100   |       |      |
| 253       | 31.6  | 24.0  | 36.0 |
| 125       | 26.1  | 19.1  | 28.7 |

Manual Integrations  
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Reviewed By :Jagrut Upadhyay 09/05/2024  
Supervised By :mohammad ahmed 09/07/2024



#40  
Dibenzo(a,h)anthracene  
Concen: 0.218 ng  
RT: 25.414 min Scan# 3563  
Delta R.T. -0.003 min  
Lab File: BN033766.D  
Acq: 05 Sep 2024 13:33

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 278   | Resp: | 10217 |
| Ion Ratio | Lower | Upper |       |
| 278       | 100   |       |       |
| 139       | 21.5  | 16.7  | 25.1  |
| 279       | 30.0  | 23.4  | 35.0  |





#41

Benzo(g,h,i)perylene

Concen: 0.205 ng

RT: 26.045 min Scan# 31

Delta R.T. -0.003 min

Lab File: BN033766.D

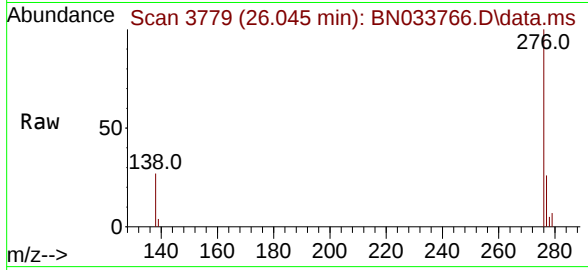
Acq: 05 Sep 2024 13:33

Instrument :

BNA\_N

ClientSampleId :

LOQ-SOIL-02-QT2-2024



Tgt Ion:276 Resp: 10430

Ion Ratio Lower Upper

276 100

277 25.8 20.3 30.5

138 26.5 20.9 31.3

Manual Integrations

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Reviewed By :Jagrut Upadhyay 09/05/2024

Supervised By :mohammad ahmed 09/07/2024

