

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN120924\  
 Data File : BN035528.D  
 Acq On : 10 Dec 2024 11:21  
 Operator : RC/JU  
 Sample : PB165497BS  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 PB165497BS

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 12/11/2024  
 Supervised By :mohammad ahmed 12/11/2024

Quant Time: Dec 10 12:28:48 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN112724.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Nov 27 23:03:24 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.300  | 152  | 1669     | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.041 | 136  | 4431     | 0.400 | ng    | -0.01    |
| 13) Acenaphthene-d10          | 13.956 | 164  | 3092     | 0.400 | ng    | -0.01    |
| 19) Phenanthrene-d10          | 16.723 | 188  | 7959     | 0.400 | ng    | #-0.01   |
| 29) Chrysene-d12              | 20.964 | 240  | 6696     | 0.400 | ng    | 0.00     |
| 35) Perylene-d12              | 23.058 | 264  | 5945     | 0.400 | ng    | # 0.00   |
|                               |        |      |          |       |       |          |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 4.960  | 112  | 1476     | 0.353 | ng    | 0.00     |
| 5) Phenol-d6                  | 6.506  | 99   | 1774     | 0.353 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 8.429  | 82   | 1110m    | 0.410 | ng    | -0.01    |
| 11) 2-Methylnaphthalene-d10   | 11.646 | 152  | 3705     | 0.534 | ng    | -0.01    |
| 14) 2,4,6-Tribromophenol      | 15.474 | 330  | 487      | 0.222 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl          | 12.564 | 172  | 4718     | 0.404 | ng    | -0.01    |
| 27) Fluoranthene-d10          | 18.775 | 212  | 8501     | 0.377 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.407 | 244  | 6284     | 0.476 | ng    | 0.00     |
|                               |        |      |          |       |       |          |
| Target Compounds              |        |      |          |       |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.988  | 88   | 576      | 0.361 | ng    | # 57     |
| 3) n-Nitrosodimethylamine     | 3.285  | 42   | 601      | 0.452 | ng    | # 88     |
| 6) bis(2-Chloroethyl)ether    | 6.744  | 93   | 1620     | 0.384 | ng    | 98       |
| 9) Naphthalene                | 10.094 | 128  | 4529     | 0.388 | ng    | 99       |
| 10) Hexachlorobutadiene       | 10.383 | 225  | 1103     | 0.409 | ng    | # 98     |
| 12) 2-Methylnaphthalene       | 11.722 | 142  | 3239     | 0.387 | ng    | 99       |
| 16) Acenaphthylene            | 13.668 | 152  | 5188     | 0.400 | ng    | 100      |
| 17) Acenaphthene              | 14.020 | 154  | 3398     | 0.394 | ng    | 99       |
| 18) Fluorene                  | 15.025 | 166  | 4774     | 0.387 | ng    | 100      |
| 20) 4,6-Dinitro-2-methylph... | 15.132 | 198  | 191      | 0.244 | ng    | # 51     |
| 21) 4-Bromophenyl-phenylether | 15.928 | 248  | 1680     | 0.361 | ng    | # 84     |
| 22) Hexachlorobenzene         | 16.028 | 284  | 2050     | 0.375 | ng    | 98       |
| 23) Atrazine                  | 16.226 | 200  | 1210     | 0.365 | ng    | 96       |
| 24) Pentachlorophenol         | 16.388 | 266  | 731      | 0.307 | ng    | # 85     |
| 25) Phenanthrene              | 16.760 | 178  | 8421     | 0.385 | ng    | 100      |
| 26) Anthracene                | 16.859 | 178  | 7595     | 0.384 | ng    | 99       |
| 28) Fluoranthene              | 18.807 | 202  | 10125    | 0.344 | ng    | 99       |
| 30) Pyrene                    | 19.174 | 202  | 10396    | 0.421 | ng    | 100      |
| 32) Benzo(a)anthracene        | 20.946 | 228  | 8539     | 0.365 | ng    | 100      |
| 33) Chrysene                  | 21.000 | 228  | 9922     | 0.411 | ng    | 100      |
| 34) Bis(2-ethylhexyl)phtha... | 20.920 | 149  | 3709     | 0.401 | ng    | 100      |
| 36) Indeno(1,2,3-cd)pyrene    | 25.105 | 276  | 8871     | 0.382 | ng    | 96       |
| 37) Benzo(b)fluoranthene      | 22.444 | 252  | 11072    | 0.509 | ng    | 99       |
| 38) Benzo(k)fluoranthene      | 22.488 | 252  | 9381     | 0.438 | ng    | 98       |
| 39) Benzo(a)pyrene            | 22.971 | 252  | 7413     | 0.414 | ng    | 95       |
| 40) Dibenzo(a,h)anthracene    | 25.116 | 278  | 6401     | 0.349 | ng    | 96       |
| 41) Benzo(g,h,i)perylene      | 25.710 | 276  | 7301     | 0.381 | ng    | 98       |
| -----                         |        |      |          |       |       |          |

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

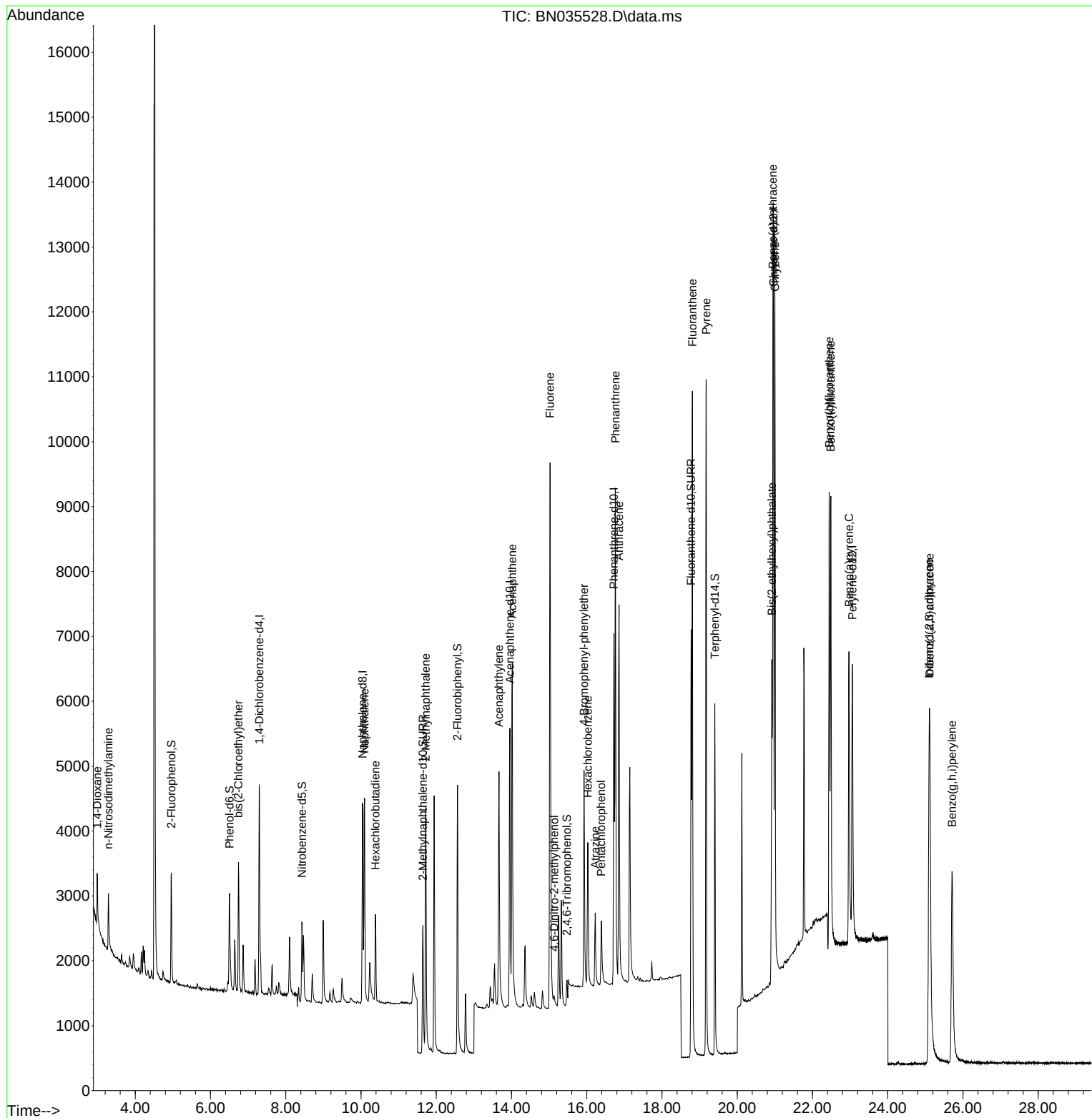
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN120924\  
Data File : BN035528.D  
Acq On : 10 Dec 2024 11:21  
Operator : RC/JU  
Sample : PB165497BS  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

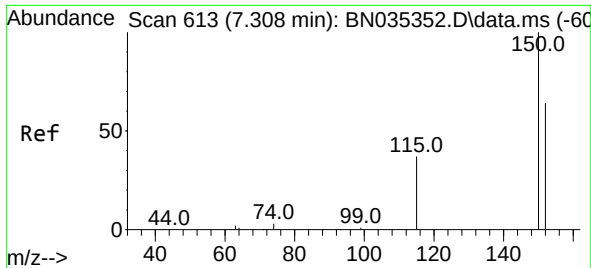
Instrument :  
BNA\_N  
ClientSampleId :  
PB165497BS

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 12/11/2024  
Supervised By :mohammad ahmed 12/11/2024

Quant Time: Dec 10 12:28:48 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN112724.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Nov 27 23:03:24 2024  
Response via : Initial Calibration





#1  
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.300 min Scan# 61  
Delta R.T. -0.008 min  
Lab File: BN035528.D  
Acq: 10 Dec 2024 11:21

Instrument :

BNA\_N

ClientSampleId :

PB165497BS

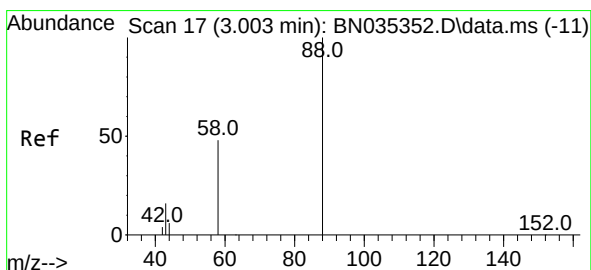
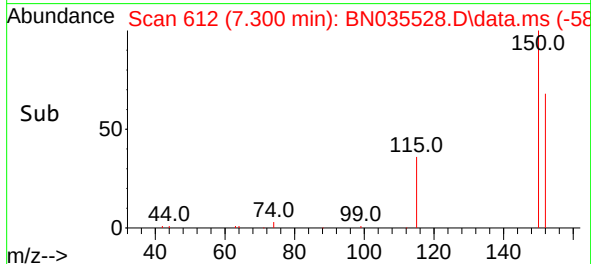
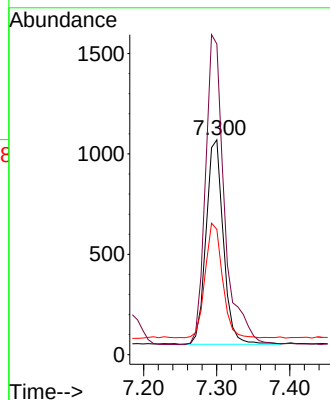
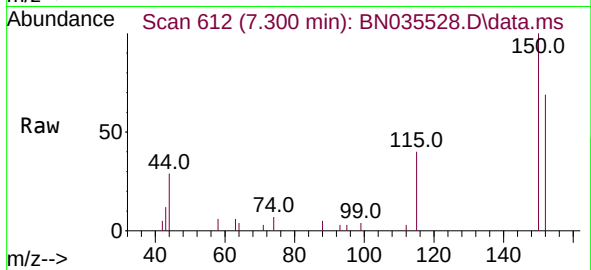
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Ion Ratio Lower Upper  
152 100  
150 144.7 124.0 186.0  
115 58.3 49.6 74.4

Manual Integrations

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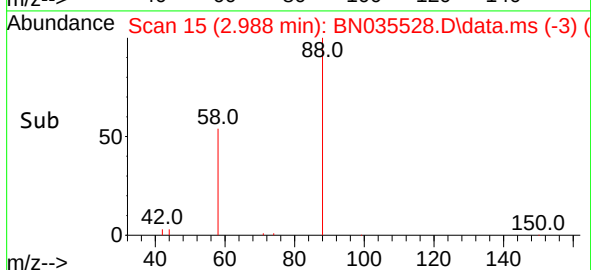
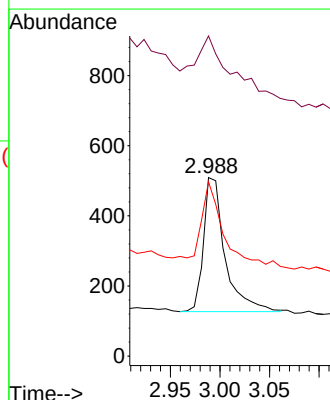
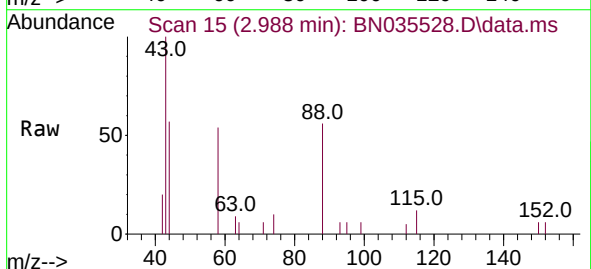
Reviewed By :Yogesh Patel 12/11/2024

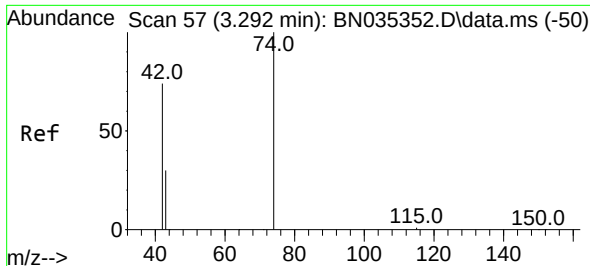
Supervised By :mohammad ahmed 12/11/2024



#2  
1,4-Dioxane  
Concen: 0.361 ng  
RT: 2.988 min Scan# 15  
Delta R.T. -0.015 min  
Lab File: BN035528.D  
Acq: 10 Dec 2024 11:21

Tgt Ion: 88 Resp: 576  
Ion Ratio Lower Upper  
88 100  
43 75.0 17.2 25.8#  
58 67.4 44.5 66.7#





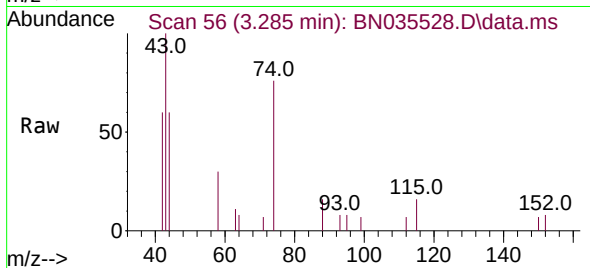
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n-Nitrosodimethylamine  
Concen: 0.452 ng  
RT: 3.285 min Scan# 50  
Delta R.T. -0.008 min  
Lab File: BN035528.D  
Acq: 10 Dec 2024 11:21

Instrument :

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PB165497BS



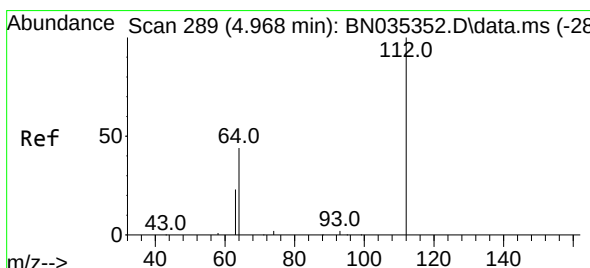
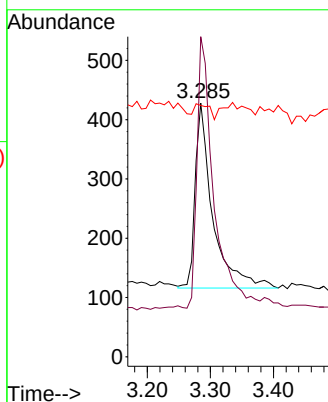
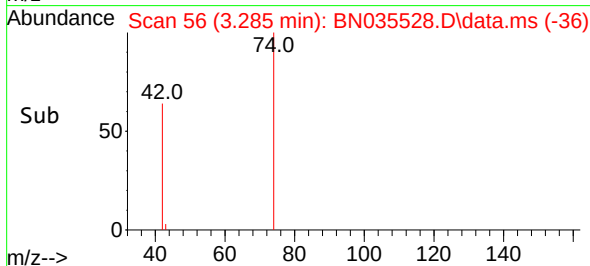
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Ion Ratio Lower Upper  
42 100  
74 140.3 124.9 187.3  
44 7.0 2.2 3.4

Manual Integrations

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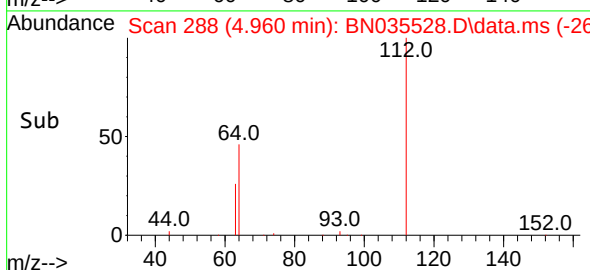
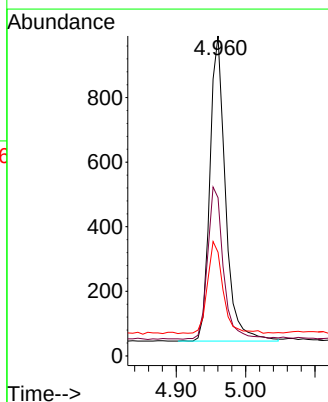
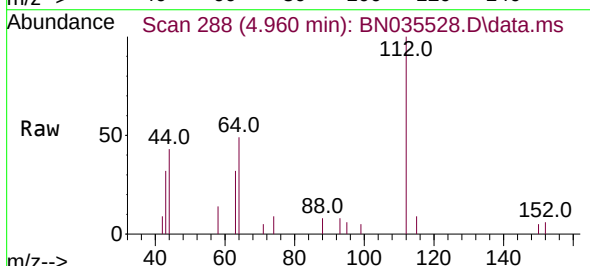
Reviewed By :Yogesh Patel 12/11/2024

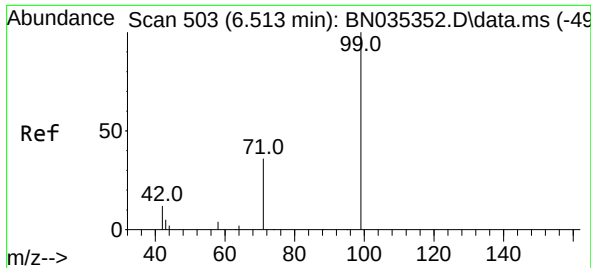
Supervised By :mohammad ahmed 12/11/2024



#4  
2-Fluorophenol  
Concen: 0.353 ng  
RT: 4.960 min Scan# 288  
Delta R.T. -0.008 min  
Lab File: BN035528.D  
Acq: 10 Dec 2024 11:21

Tgt Ion:112 Resp: 1476  
Ion Ratio Lower Upper  
112 100  
64 50.3 39.8 59.8  
63 29.7 21.0 31.6





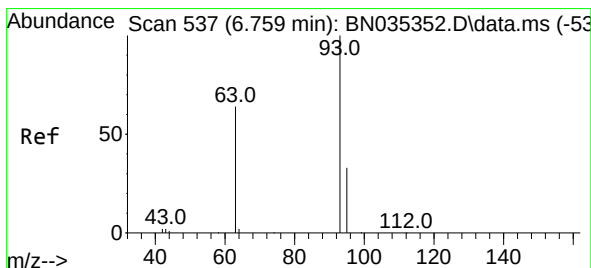
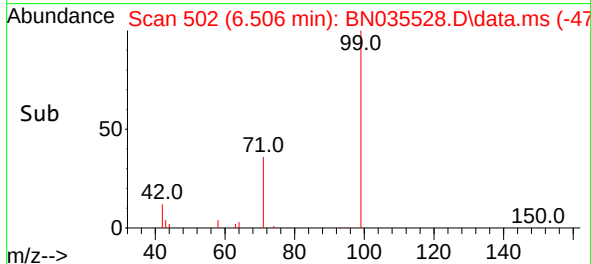
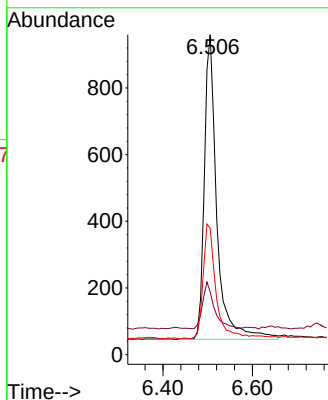
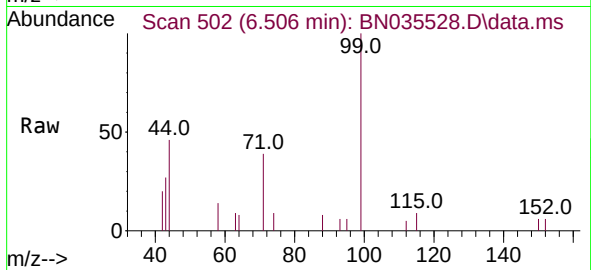
#5  
Phenol-d6  
Concen: 0.353 ng  
RT: 6.506 min Scan# 503  
Delta R.T. -0.008 min  
Lab File: BN035528.D  
Acq: 10 Dec 2024 11:21

Instrument :  
BNA\_N  
ClientSampleId :  
PB165497BS

Tgt Ion: 99 Resp: 1774  
Ion Ratio Lower Upper  
99 100  
42 14.4 11.4 17.2  
71 39.4 29.3 43.9

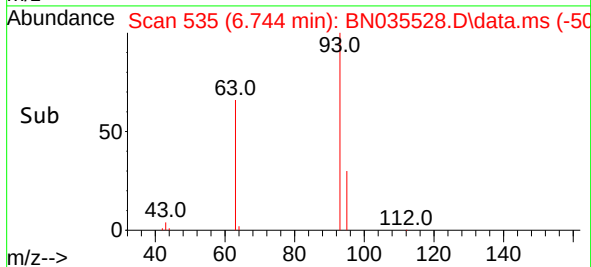
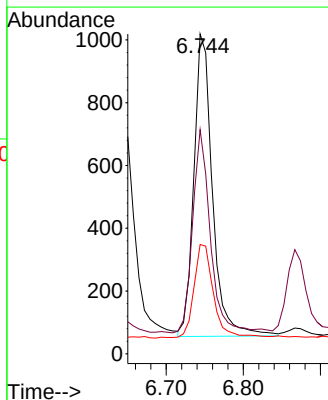
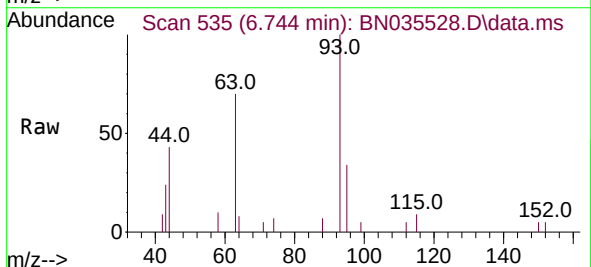
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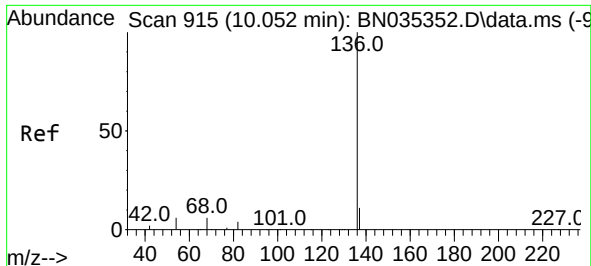
Reviewed By :Yogesh Patel 12/11/2024  
Supervised By :mohammad ahmed 12/11/2024



#6  
bis(2-Chloroethyl)ether  
Concen: 0.384 ng  
RT: 6.744 min Scan# 535  
Delta R.T. -0.015 min  
Lab File: BN035528.D  
Acq: 10 Dec 2024 11:21

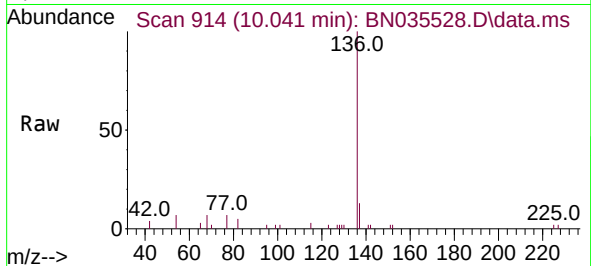
Tgt Ion: 93 Resp: 1620  
Ion Ratio Lower Upper  
93 100  
63 64.3 50.4 75.6  
95 32.9 25.7 38.5





#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.041 min Scan# 915  
Delta R.T. -0.011 min  
Lab File: BN035528.D  
Acq: 10 Dec 2024 11:21

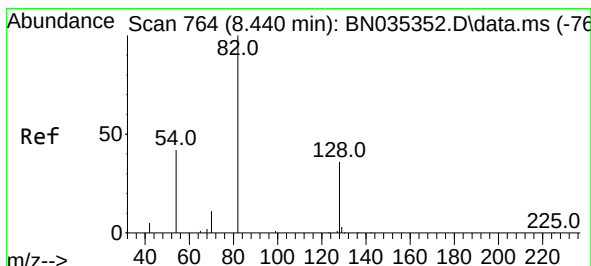
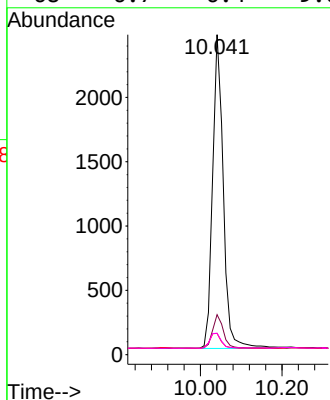
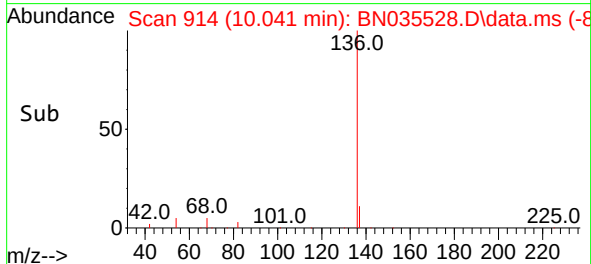
Instrument :  
BNA\_N  
ClientSampleId :  
PB165497BS



Tgt Ion:136 Resp: 443  
Ion Ratio Lower Upper  
136 100  
137 12.5 10.2 15.2  
54 6.6 6.1 9.1  
68 6.7 6.4 9.6

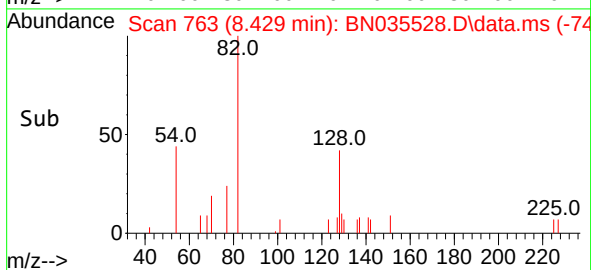
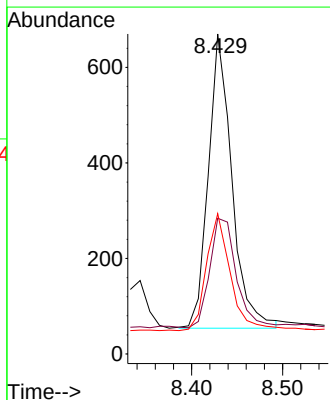
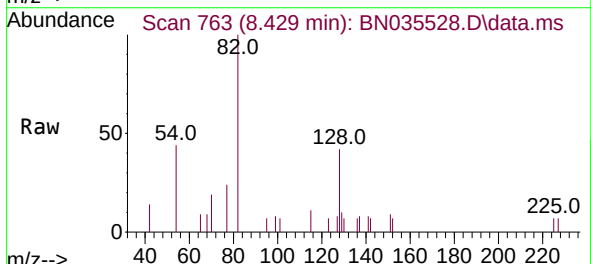
Manual Integrations  
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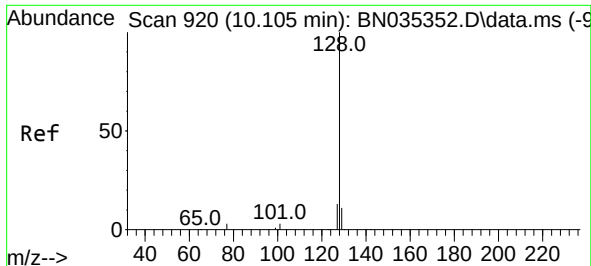
Reviewed By :Yogesh Patel 12/11/2024  
Supervised By :mohammad ahmed 12/11/2024



#8  
Nitrobenzene-d5  
Concen: 0.410 ng m  
RT: 8.429 min Scan# 763  
Delta R.T. -0.011 min  
Lab File: BN035528.D  
Acq: 10 Dec 2024 11:21

Tgt Ion: 82 Resp: 1110  
Ion Ratio Lower Upper  
82 100  
128 42.4 33.4 50.0  
54 43.9 36.7 55.1





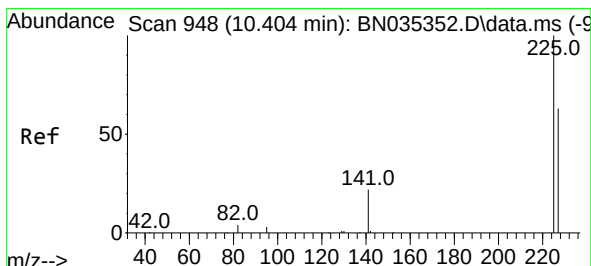
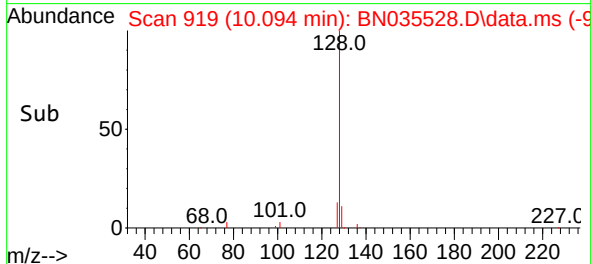
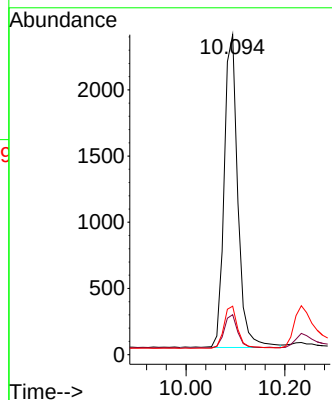
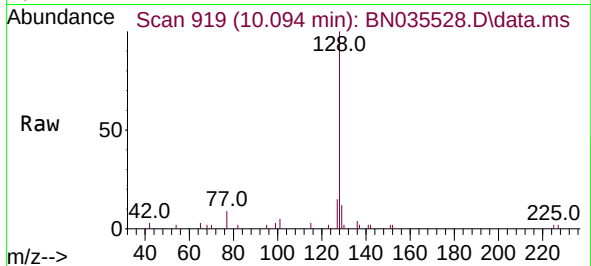
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Naphthalene  
Concen: 0.388 ng  
RT: 10.094 min Scan# 919  
Delta R.T. -0.011 min  
Lab File: BN035528.D  
Acq: 10 Dec 2024 11:21

Instrument :  
BNA\_N  
ClientSampleId :  
PB165497BS

Tgt Ion:128 Resp: 4529  
Ion Ratio Lower Upper  
128 100  
129 12.5 9.8 14.6  
127 15.1 11.4 17.2

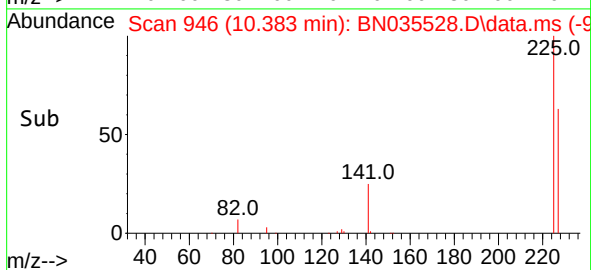
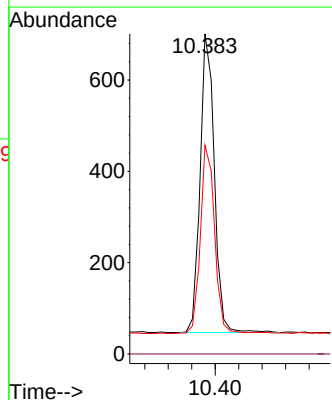
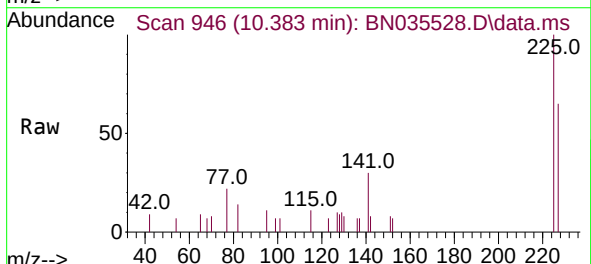
Manual Integrations  
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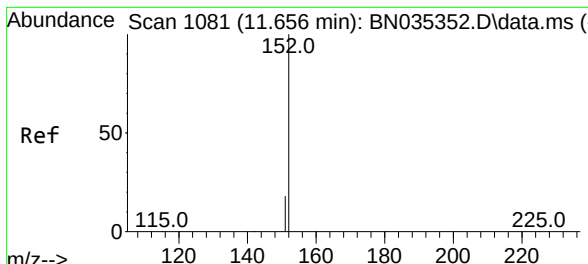
Reviewed By :Yogesh Patel 12/11/2024  
Supervised By :mohammad ahmed 12/11/2024



#10  
Hexachlorobutadiene  
Concen: 0.409 ng  
RT: 10.383 min Scan# 946  
Delta R.T. -0.022 min  
Lab File: BN035528.D  
Acq: 10 Dec 2024 11:21

Tgt Ion:225 Resp: 1103  
Ion Ratio Lower Upper  
225 100  
223 0.0 0.0 0.0  
227 62.9 51.3 76.9





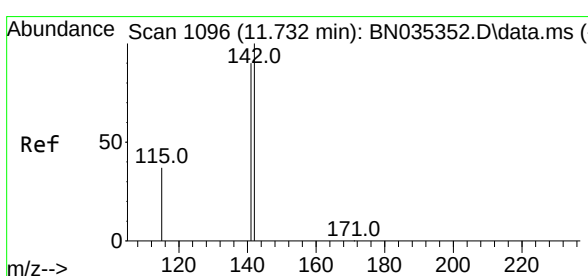
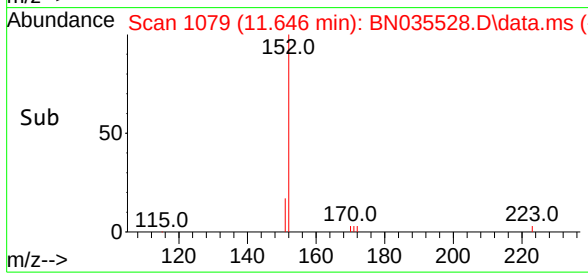
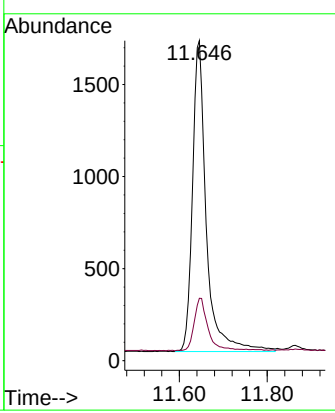
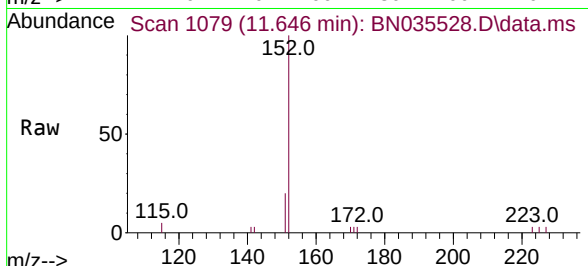
#11  
 2-Methylnaphthalene-d10  
 Concen: 0.534 ng  
 RT: 11.646 min Scan# 1079  
 Delta R.T. -0.010 min  
 Lab File: BN035528.D  
 Acq: 10 Dec 2024 11:21

Instrument : BNA\_N  
 ClientSampleId : PB165497BS

Tgt Ion:152 Resp: 3705

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 152 | 100   |       |       |
| 151 | 17.1  | 16.6  | 25.0  |

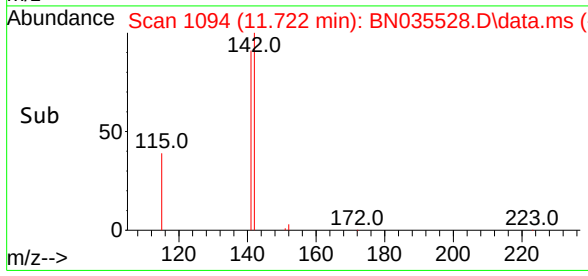
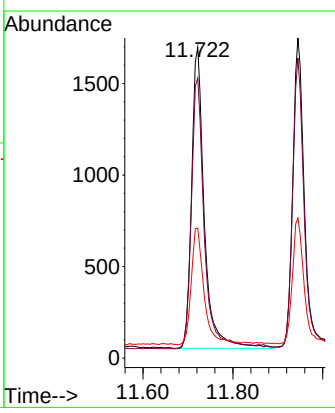
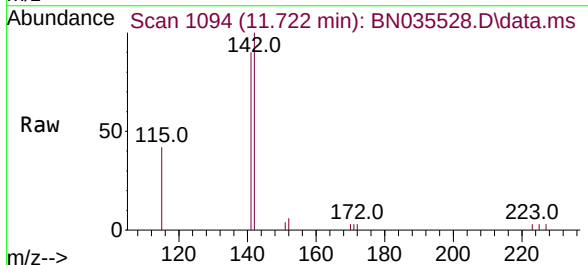
Manual Integrations  
**APPROVED**  
 Reviewed By :Yogesh Patel 12/11/2024  
 Supervised By :mohammad ahmed 12/11/2024



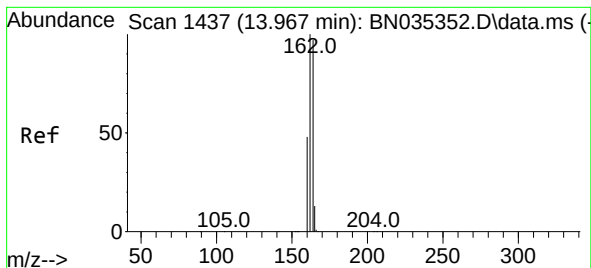
#12  
 2-Methylnaphthalene  
 Concen: 0.387 ng  
 RT: 11.722 min Scan# 1094  
 Delta R.T. -0.010 min  
 Lab File: BN035528.D  
 Acq: 10 Dec 2024 11:21

Tgt Ion:142 Resp: 3239

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 142 | 100   |       |       |
| 141 | 90.1  | 72.2  | 108.4 |
| 115 | 41.8  | 31.4  | 47.0  |

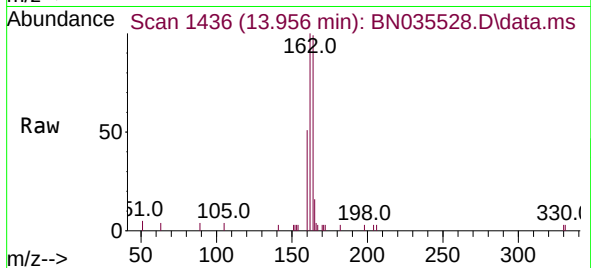






#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 13.956 min Scan# 1437  
Delta R.T. -0.011 min  
Lab File: BN035528.D  
Acq: 10 Dec 2024 11:21

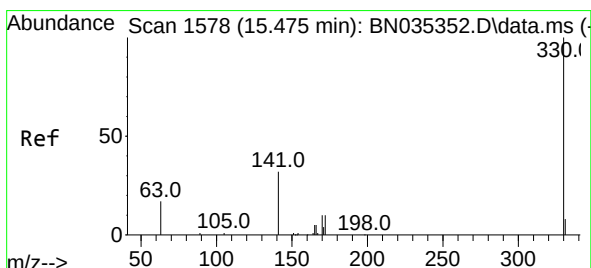
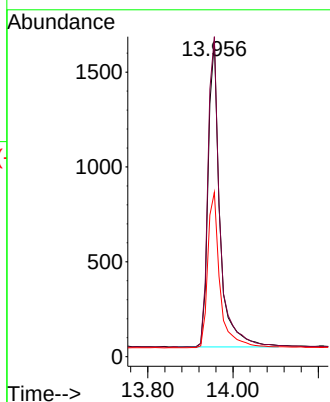
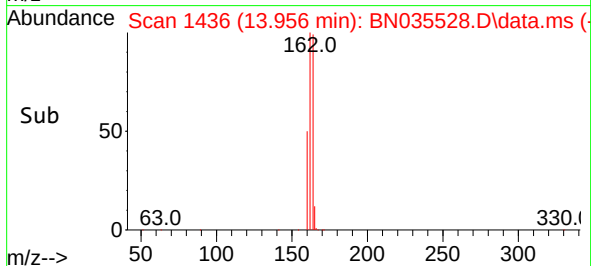
Instrument :  
BNA\_N  
ClientSampleId :  
PB165497BS



Tgt Ion:164 Resp: 3092  
Ion Ratio Lower Upper  
164 100  
162 101.3 82.2 123.2  
160 52.0 40.1 60.1

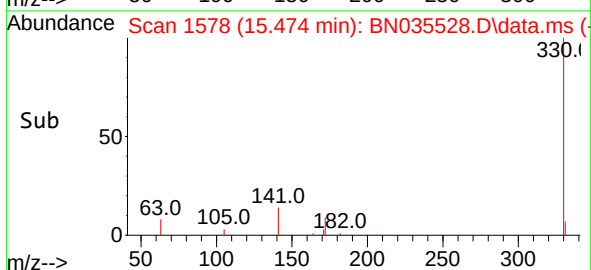
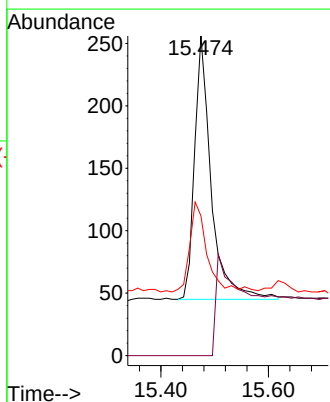
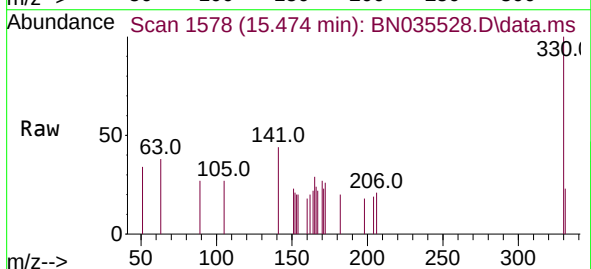
Manual Integrations  
APPROVED

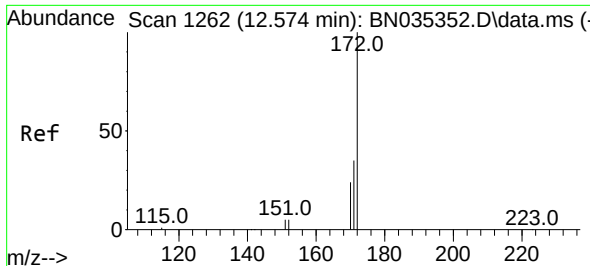
Reviewed By :Yogesh Patel 12/11/2024  
Supervised By :mohammad ahmed 12/11/2024



#14  
2,4,6-Tribromophenol  
Concen: 0.222 ng  
RT: 15.474 min Scan# 1578  
Delta R.T. -0.000 min  
Lab File: BN035528.D  
Acq: 10 Dec 2024 11:21

Tgt Ion:330 Resp: 487  
Ion Ratio Lower Upper  
330 100  
332 0.0 0.0 0.0  
141 34.9 26.6 40.0





#15  
2-Fluorobiphenyl  
Concen: 0.404 ng  
RT: 12.564 min Scan# 11  
Delta R.T. -0.010 min  
Lab File: BN035528.D  
Acq: 10 Dec 2024 11:21

Instrument :

BNA\_N

ClientSampleId :

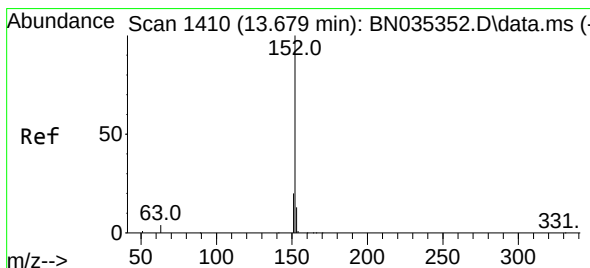
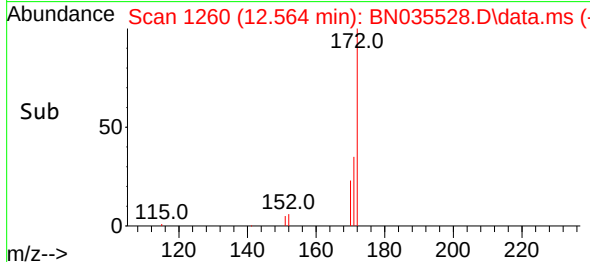
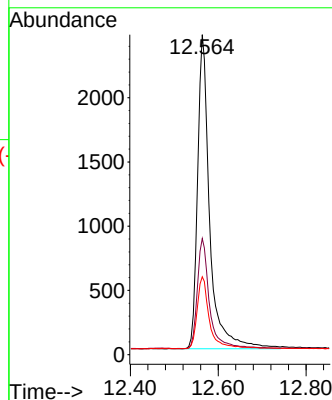
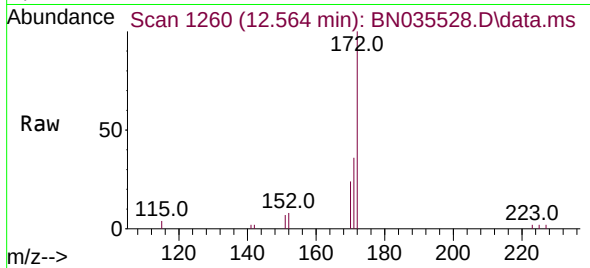
PB165497BS

Tgt Ion:172 Resp: 4718  
Ion Ratio Lower Upper  
172 100  
171 36.3 29.0 43.4  
170 24.4 19.8 29.8

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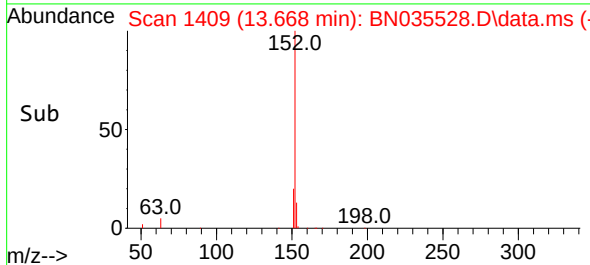
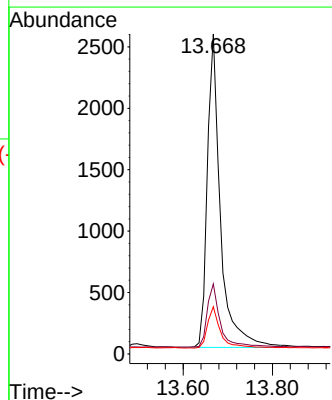
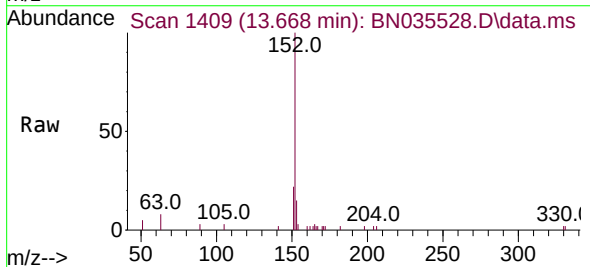
APPROVED

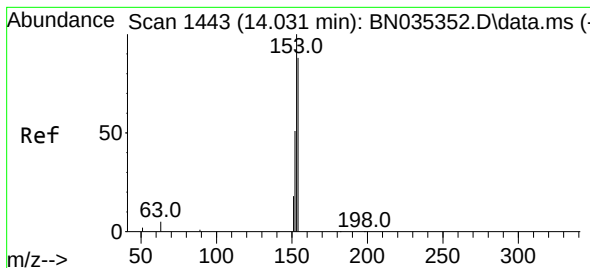
Reviewed By :Yogesh Patel 12/11/2024  
Supervised By :mohammad ahmed 12/11/2024



#16  
Acenaphthylene  
Concen: 0.400 ng  
RT: 13.668 min Scan# 1409  
Delta R.T. -0.011 min  
Lab File: BN035528.D  
Acq: 10 Dec 2024 11:21

Tgt Ion:152 Resp: 5188  
Ion Ratio Lower Upper  
152 100  
151 20.0 16.2 24.2  
153 13.1 10.4 15.6





#17

Acenaphthene

Concen: 0.394 ng

RT: 14.020 min Scan# 1443

Delta R.T. -0.011 min

Lab File: BN035528.D

Acq: 10 Dec 2024 11:21

Instrument :

BNA\_N

ClientSampleId :

PB165497BS

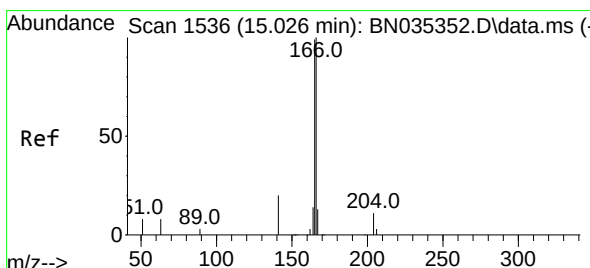
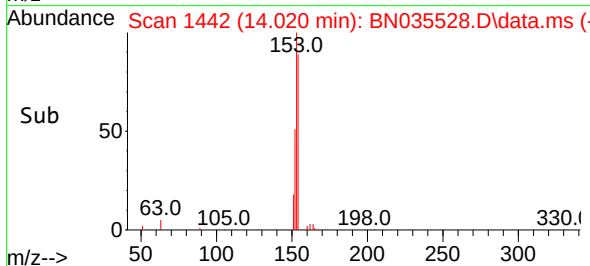
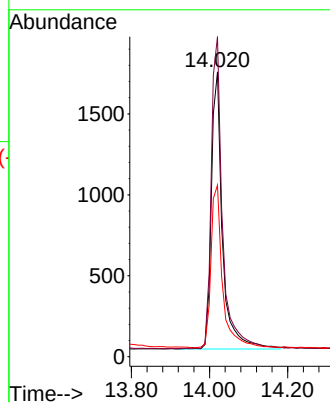
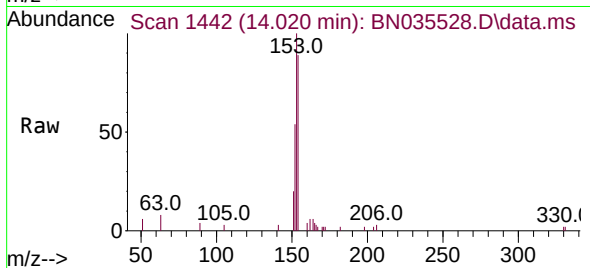
Tgt Ion:154 Resp: 3398  
Ion Ratio Lower Upper  
154 100  
153 113.6 92.6 139.0  
152 61.0 49.0 73.6

Manual Integrations

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Reviewed By :Yogesh Patel 12/11/2024

Supervised By :mohammad ahmed 12/11/2024



#18

Fluorene

Concen: 0.387 ng

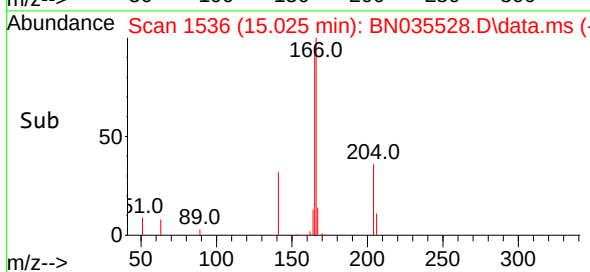
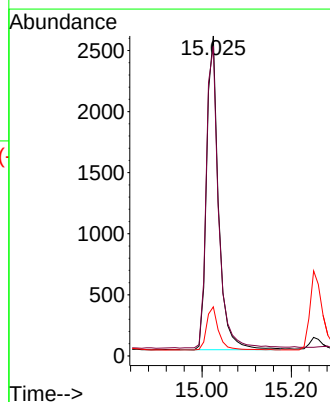
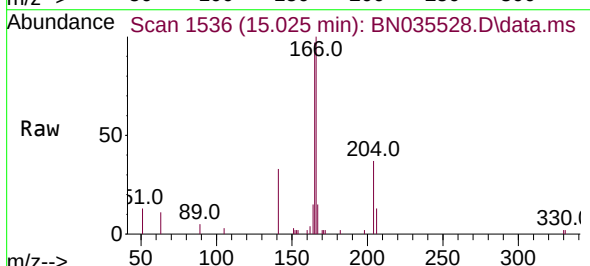
RT: 15.025 min Scan# 1536

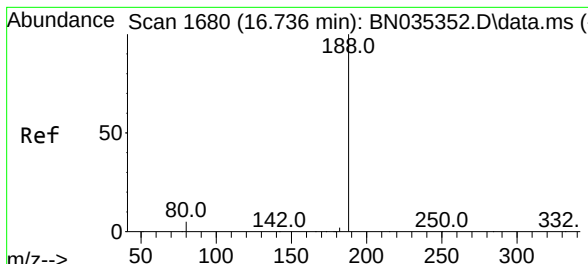
Delta R.T. -0.000 min

Lab File: BN035528.D

Acq: 10 Dec 2024 11:21

Tgt Ion:166 Resp: 4774  
Ion Ratio Lower Upper  
166 100  
165 99.1 79.7 119.5  
167 13.7 10.8 16.2





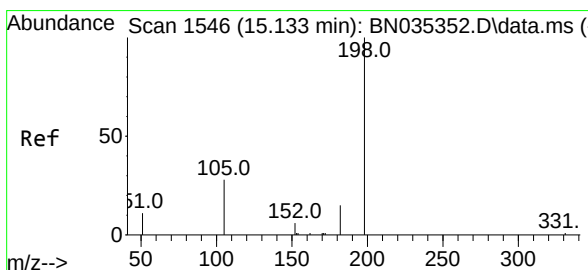
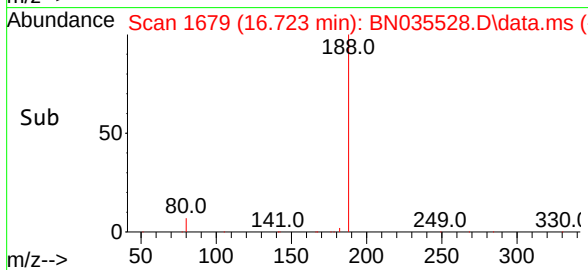
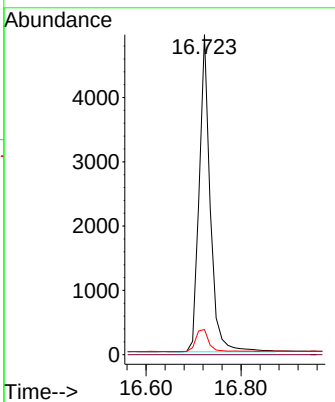
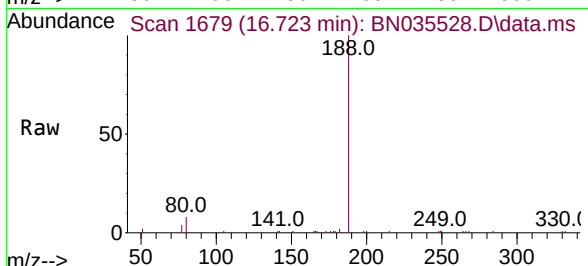
#19  
 Phenanthrene-d10  
 Concen: 0.400 ng  
 RT: 16.723 min Scan# 1679  
 Delta R.T. -0.013 min  
 Lab File: BN035528.D  
 Acq: 10 Dec 2024 11:21

Instrument : BNA\_N  
 ClientSampleId : PB165497BS

|             |       |       |
|-------------|-------|-------|
| Tgt Ion:188 | Resp: | 795   |
| Ion Ratio   | Lower | Upper |
| 188         | 100   |       |
| 94          | 0.0   | 0.0   |
| 80          | 7.9   | 4.6   |

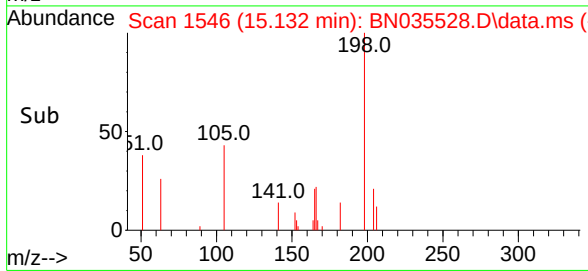
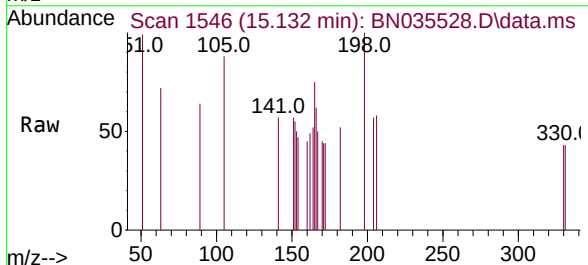
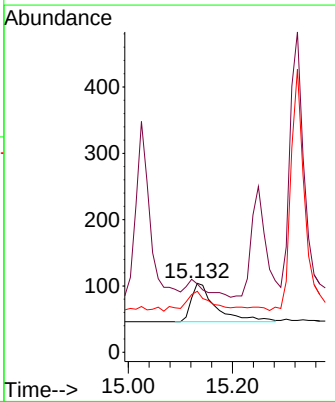
Manual Integrations  
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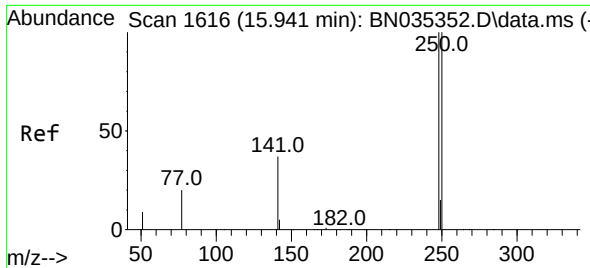
Reviewed By :Yogesh Patel 12/11/2024  
 Supervised By :mohammad ahmed 12/11/2024



#20  
 4,6-Dinitro-2-methylphenol  
 Concen: 0.244 ng  
 RT: 15.132 min Scan# 1546  
 Delta R.T. -0.001 min  
 Lab File: BN035528.D  
 Acq: 10 Dec 2024 11:21

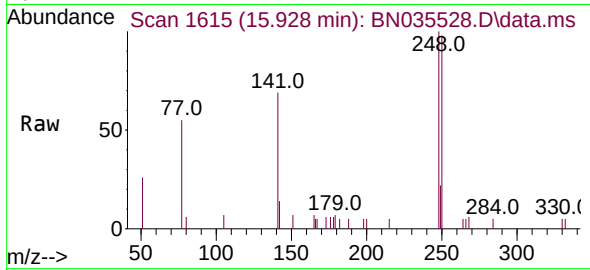
|             |       |       |
|-------------|-------|-------|
| Tgt Ion:198 | Resp: | 191   |
| Ion Ratio   | Lower | Upper |
| 198         | 100   |       |
| 51          | 99.0  | 46.5  |
| 105         | 88.5  | 45.3  |





#21  
4-Bromophenyl-phenylether  
Concen: 0.361 ng  
RT: 15.928 min Scan# 1615  
Delta R.T. -0.013 min  
Lab File: BN035528.D  
Acq: 10 Dec 2024 11:21

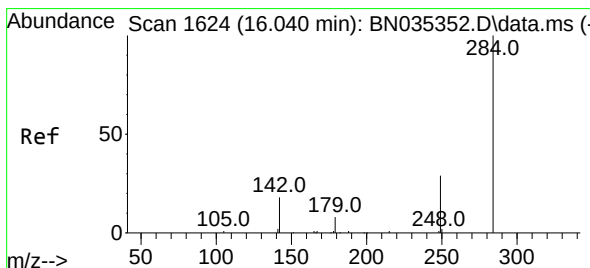
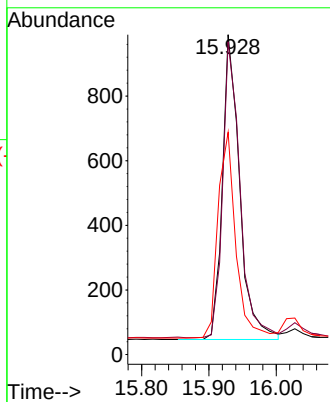
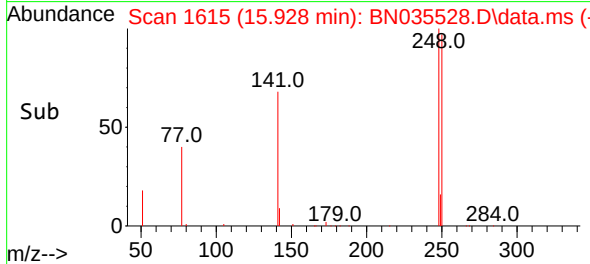
Instrument :  
BNA\_N  
ClientSampleId :  
PB165497BS



Tgt Ion:248 Resp: 1680  
Ion Ratio Lower Upper  
248 100  
250 97.8 80.6 120.8  
141 69.5 31.5 47.3

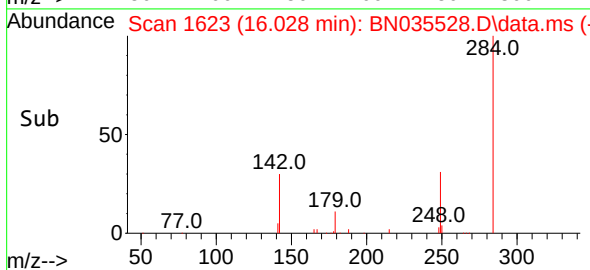
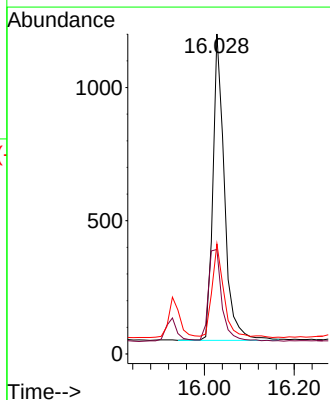
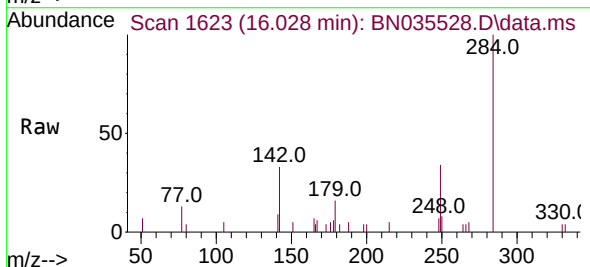
Manual Integrations  
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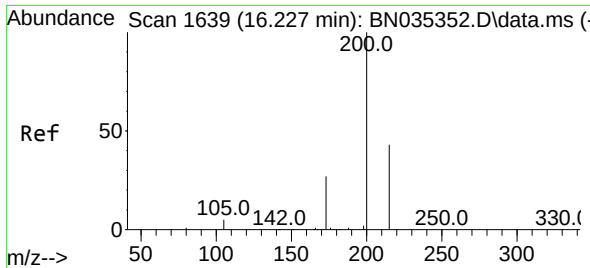
Reviewed By :Yogesh Patel 12/11/2024  
Supervised By :mohammad ahmed 12/11/2024



#22  
Hexachlorobenzene  
Concen: 0.375 ng  
RT: 16.028 min Scan# 1623  
Delta R.T. -0.013 min  
Lab File: BN035528.D  
Acq: 10 Dec 2024 11:21

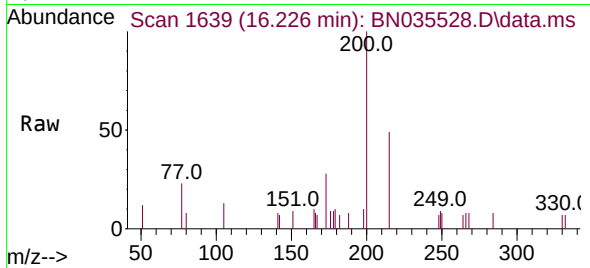
Tgt Ion:284 Resp: 2050  
Ion Ratio Lower Upper  
284 100  
142 35.4 26.7 40.1  
249 31.3 24.6 36.8





#23  
Atrazine  
Concen: 0.365 ng  
RT: 16.226 min Scan# 1639  
Delta R.T. -0.000 min  
Lab File: BN035528.D  
Acq: 10 Dec 2024 11:21

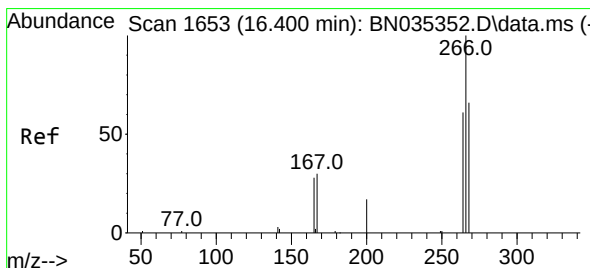
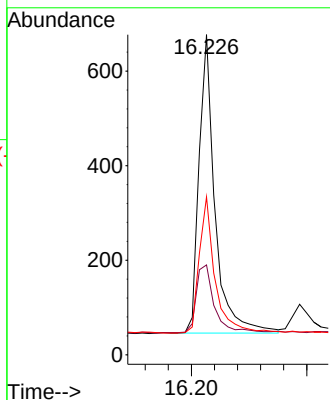
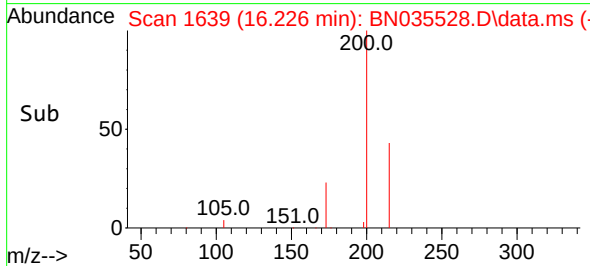
Instrument :  
BNA\_N  
ClientSampleId :  
PB165497BS



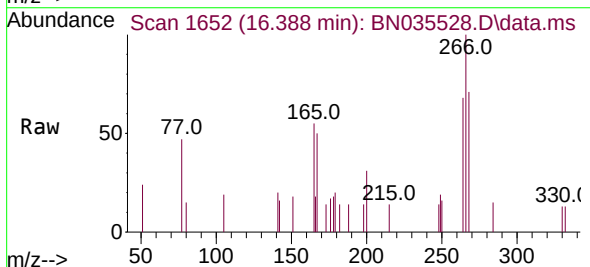
Tgt Ion:200 Resp: 1210  
Ion Ratio Lower Upper  
200 100  
173 28.1 24.1 36.1  
215 49.3 36.9 55.3

Manual Integrations  
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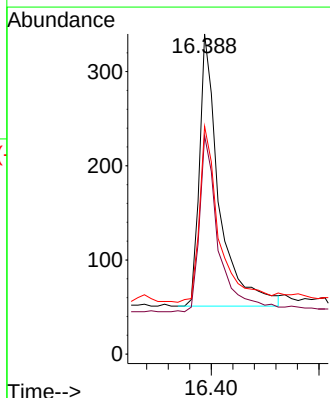
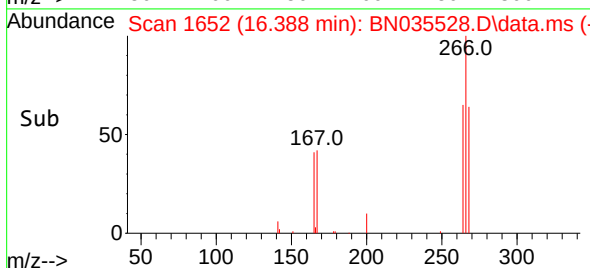
Reviewed By :Yogesh Patel 12/11/2024  
Supervised By :mohammad ahmed 12/11/2024

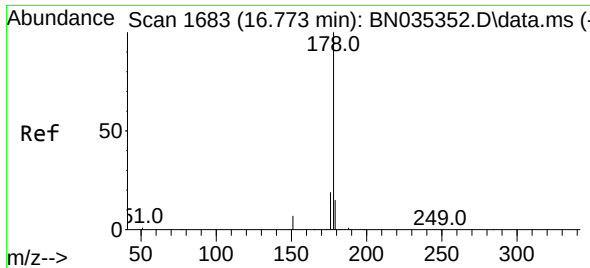


#24  
Pentachlorophenol  
Concen: 0.307 ng  
RT: 16.388 min Scan# 1652  
Delta R.T. -0.013 min  
Lab File: BN035528.D  
Acq: 10 Dec 2024 11:21



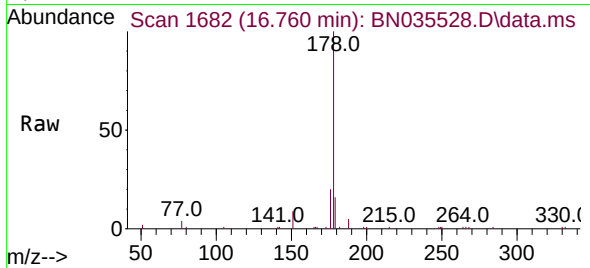
Tgt Ion:266 Resp: 731  
Ion Ratio Lower Upper  
266 100  
264 63.5 42.3 63.5  
268 65.0 43.3 64.9#





#25  
Phenanthrene  
Concen: 0.385 ng  
RT: 16.760 min Scan# 1682  
Delta R.T. -0.013 min  
Lab File: BN035528.D  
Acq: 10 Dec 2024 11:21

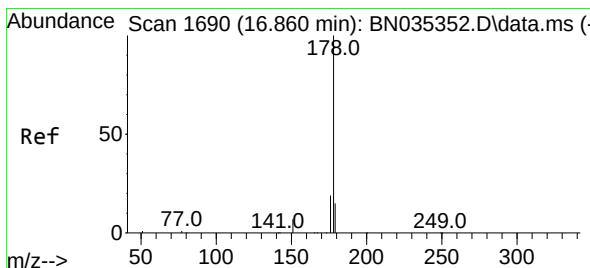
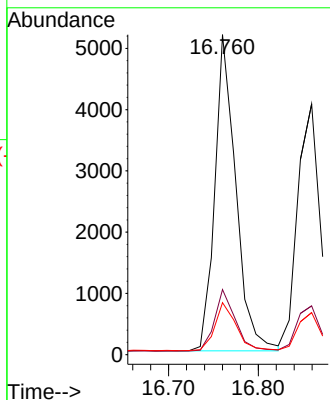
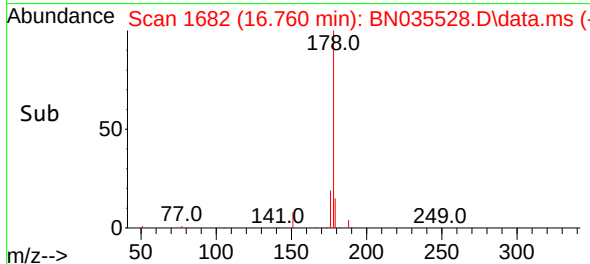
Instrument :  
BNA\_N  
ClientSampleId :  
PB165497BS



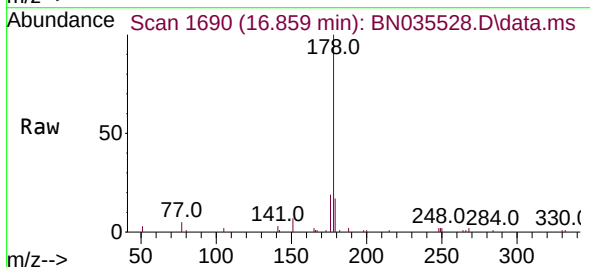
Tgt Ion:178 Resp: 842  
Ion Ratio Lower Upper  
178 100  
176 19.3 15.4 23.2  
179 15.5 12.3 18.5

Manual Integrations  
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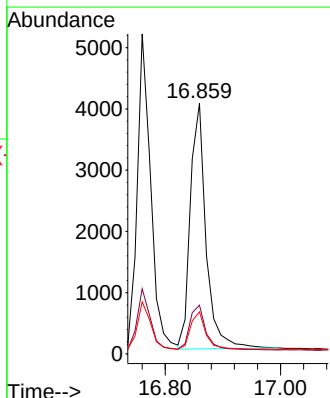
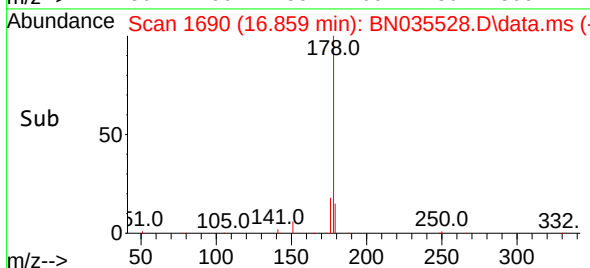
Reviewed By :Yogesh Patel 12/11/2024  
Supervised By :mohammad ahmed 12/11/2024

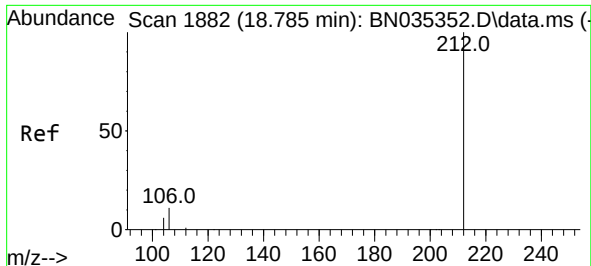


#26  
Anthracene  
Concen: 0.384 ng  
RT: 16.859 min Scan# 1690  
Delta R.T. -0.000 min  
Lab File: BN035528.D  
Acq: 10 Dec 2024 11:21



Tgt Ion:178 Resp: 7595  
Ion Ratio Lower Upper  
178 100  
176 19.0 15.0 22.6  
179 15.5 12.6 18.8





#27  
Fluoranthene-d10  
Concen: 0.377 ng  
RT: 18.775 min Scan# 1880  
Delta R.T. -0.010 min  
Lab File: BN035528.D  
Acq: 10 Dec 2024 11:21

Instrument :

BNA\_N

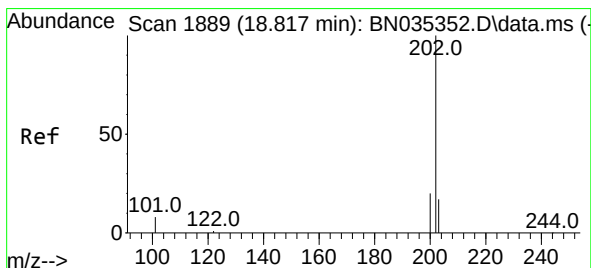
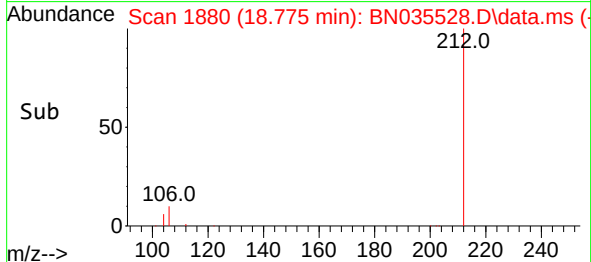
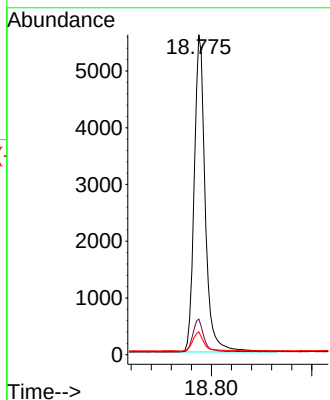
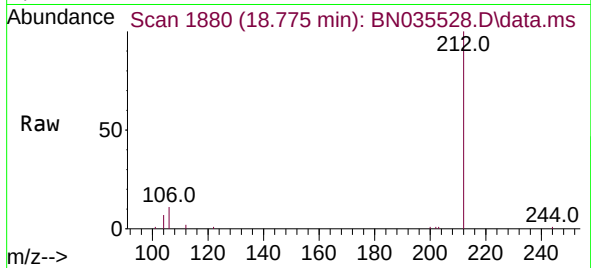
ClientSampleId :

PB165497BS

Tgt Ion:212 Resp: 850  
Ion Ratio Lower Upper  
212 100  
106 10.0 9.2 13.8  
104 6.0 5.3 7.9

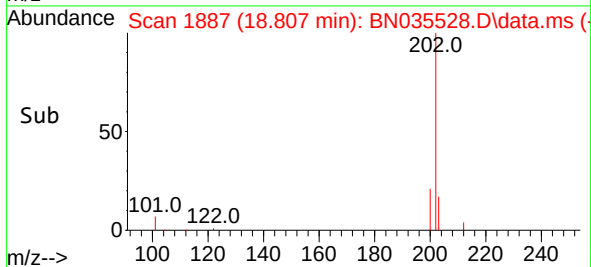
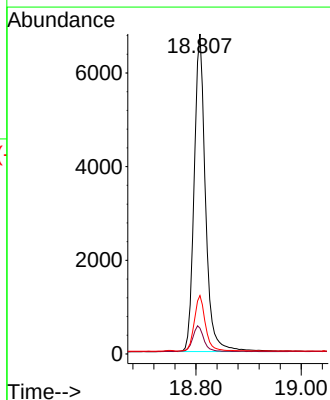
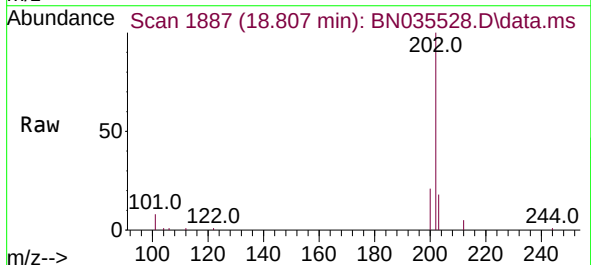
Manual Integrations  
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Reviewed By :Yogesh Patel 12/11/2024  
Supervised By :mohammad ahmed 12/11/2024

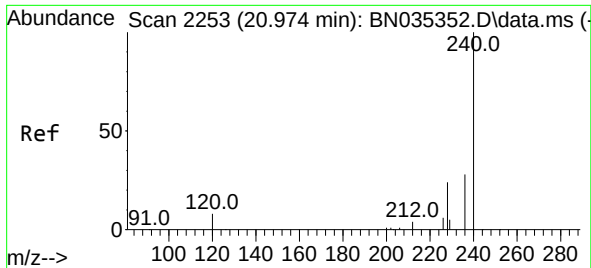


#28  
Fluoranthene  
Concen: 0.344 ng  
RT: 18.807 min Scan# 1887  
Delta R.T. -0.010 min  
Lab File: BN035528.D  
Acq: 10 Dec 2024 11:21

Tgt Ion:202 Resp: 10125  
Ion Ratio Lower Upper  
202 100  
101 7.8 7.4 11.0  
203 17.1 13.7 20.5

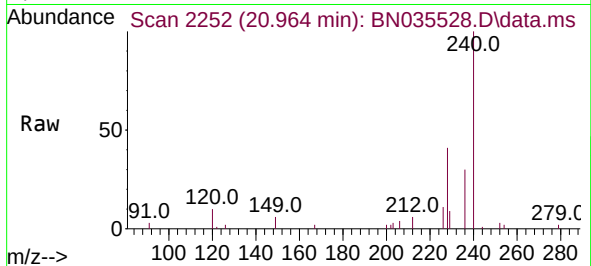






#29  
Chrysene-d12  
Concen: 0.400 ng  
RT: 20.964 min Scan# 21  
Delta R.T. -0.009 min  
Lab File: BN035528.D  
Acq: 10 Dec 2024 11:21

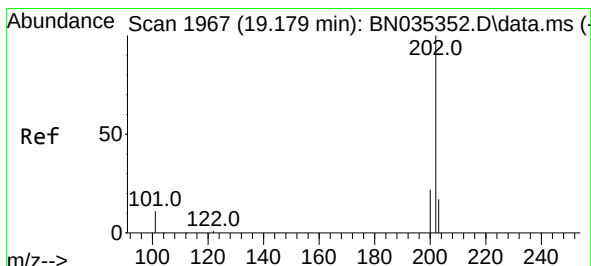
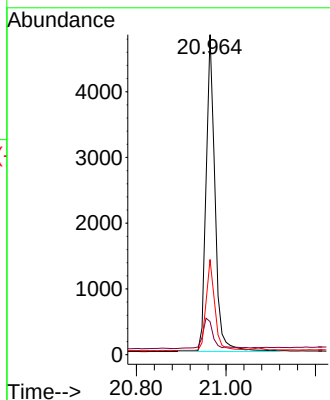
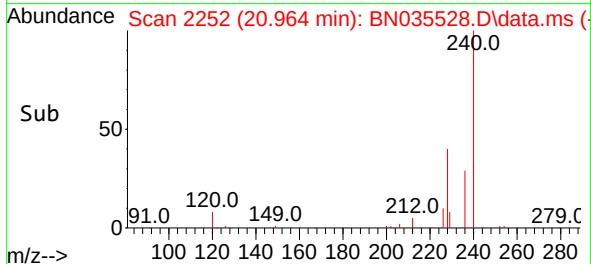
Instrument :  
BNA\_N  
ClientSampleId :  
PB165497BS



Tgt Ion:240 Resp: 6690  
Ion Ratio Lower Upper  
240 100  
120 10.3 7.9 11.9  
236 29.7 22.9 34.3

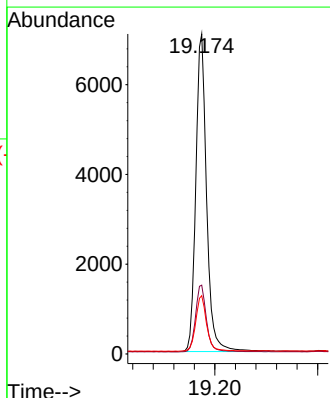
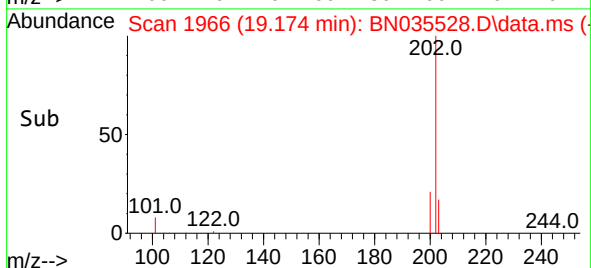
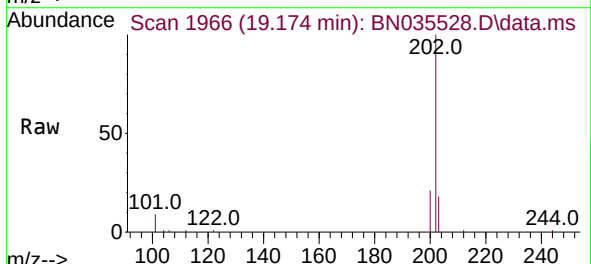
Manual Integrations  
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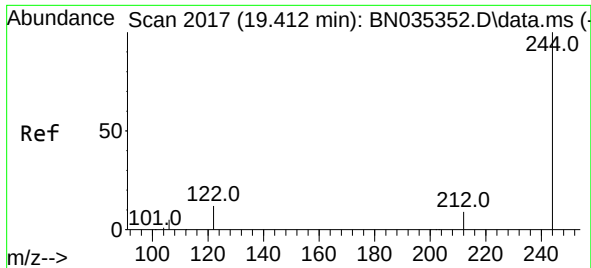
Reviewed By :Yogesh Patel 12/11/2024  
Supervised By :mohammad ahmed 12/11/2024



#30  
Pyrene  
Concen: 0.421 ng  
RT: 19.174 min Scan# 1966  
Delta R.T. -0.005 min  
Lab File: BN035528.D  
Acq: 10 Dec 2024 11:21

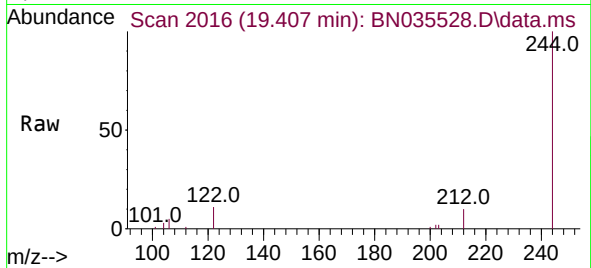
Tgt Ion:202 Resp: 10396  
Ion Ratio Lower Upper  
202 100  
200 21.0 17.0 25.4  
203 17.8 14.3 21.5





#31  
Terphenyl-d14  
Concen: 0.476 ng  
RT: 19.407 min Scan# 2016  
Delta R.T. -0.005 min  
Lab File: BN035528.D  
Acq: 10 Dec 2024 11:21

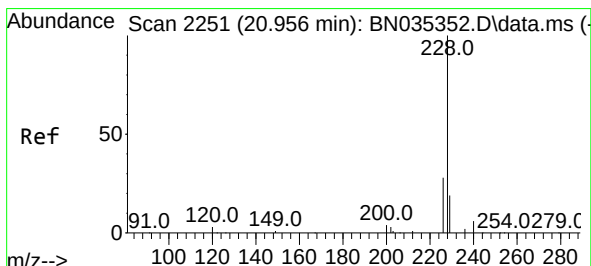
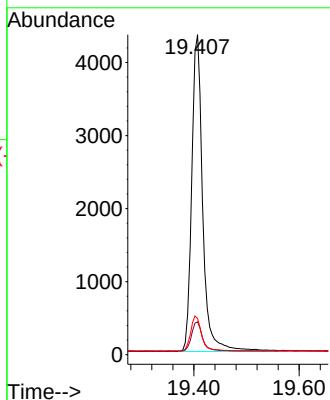
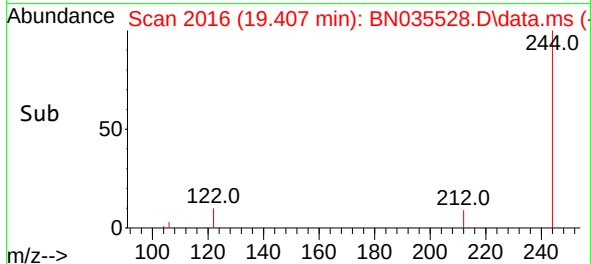
Instrument :  
BNA\_N  
ClientSampleId :  
PB165497BS



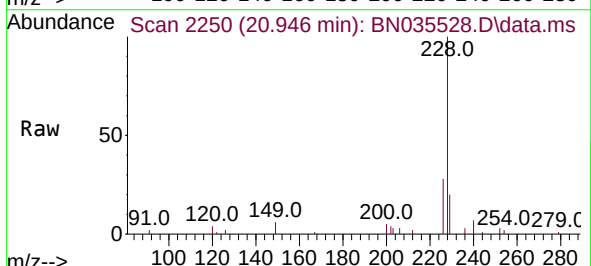
Tgt Ion:244 Resp: 6284  
Ion Ratio Lower Upper  
244 100  
212 10.2 8.1 12.1  
122 11.3 10.3 15.5

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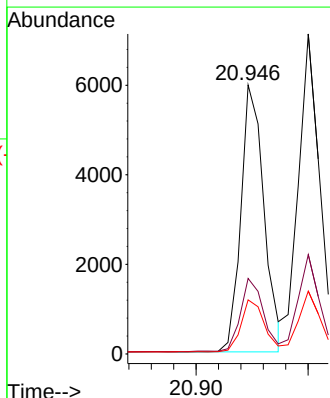
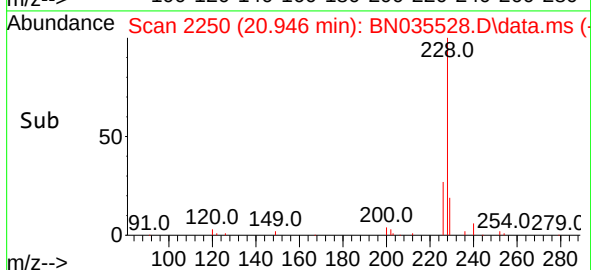
Reviewed By :Yogesh Patel 12/11/2024  
Supervised By :mohammad ahmed 12/11/2024

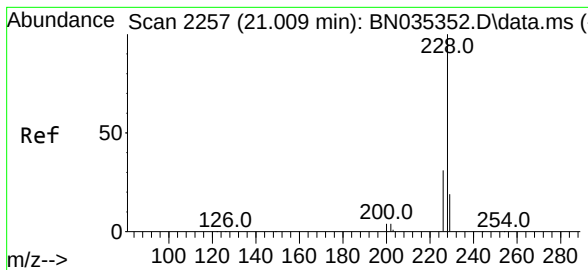


#32  
Benzo(a)anthracene  
Concen: 0.365 ng  
RT: 20.946 min Scan# 2250  
Delta R.T. -0.009 min  
Lab File: BN035528.D  
Acq: 10 Dec 2024 11:21



Tgt Ion:228 Resp: 8539  
Ion Ratio Lower Upper  
228 100  
226 28.1 22.5 33.7  
229 20.1 15.8 23.8





#33

Chrysene

Concen: 0.411 ng

RT: 21.000 min Scan# 21

Delta R.T. -0.009 min

Lab File: BN035528.D

Acq: 10 Dec 2024 11:21

Instrument :

BNA\_N

ClientSampleId :

PB165497BS

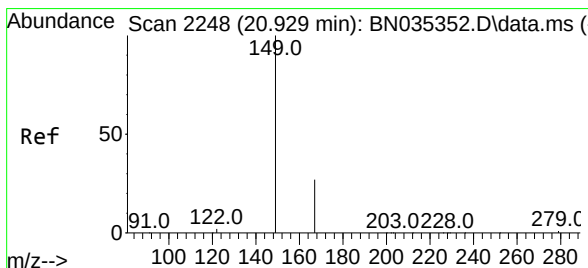
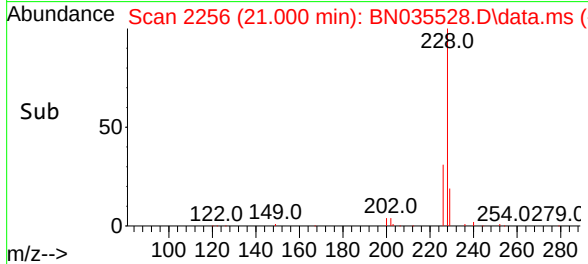
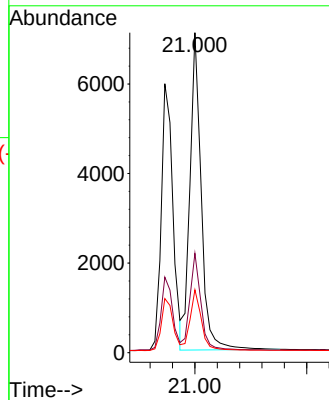
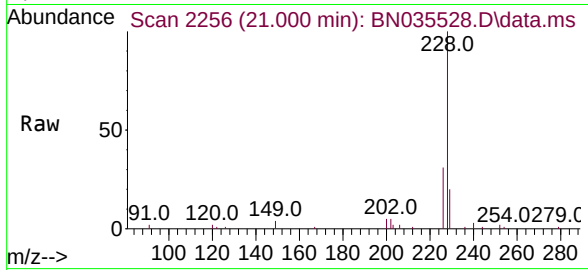
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 228   | Resp: | 992  |
| Ion Ratio | Lower | Upper |      |
| 228       | 100   |       |      |
| 226       | 31.1  | 24.6  | 37.0 |
| 229       | 19.7  | 15.9  | 23.9 |

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Reviewed By :Yogesh Patel 12/11/2024

Supervised By :mohammad ahmed 12/11/2024



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.401 ng

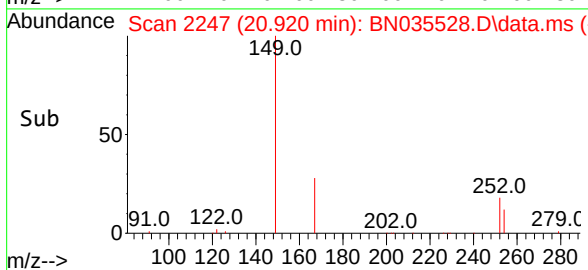
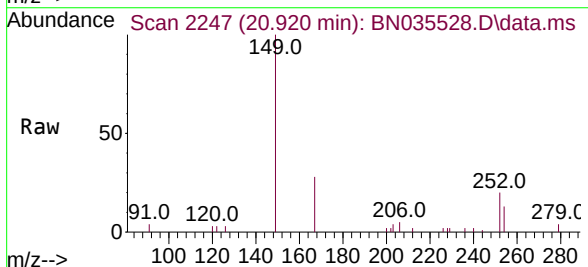
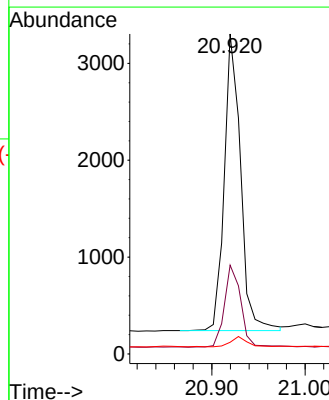
RT: 20.920 min Scan# 2247

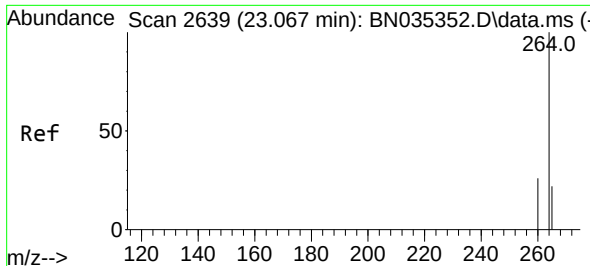
Delta R.T. -0.009 min

Lab File: BN035528.D

Acq: 10 Dec 2024 11:21

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 149   | Resp: | 3709 |
| Ion Ratio | Lower | Upper |      |
| 149       | 100   |       |      |
| 167       | 28.0  | 22.2  | 33.4 |
| 279       | 3.5   | 2.7   | 4.1  |





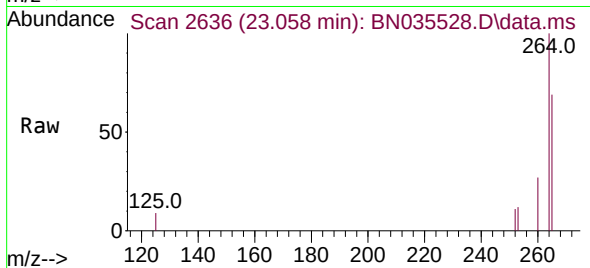
#35  
Perylene-d12  
Concen: 0.400 ng  
RT: 23.058 min Scan# 2636  
Delta R.T. -0.009 min  
Lab File: BN035528.D  
Acq: 10 Dec 2024 11:21

Instrument :

BNA\_N

ClientSampleId :

PB165497BS



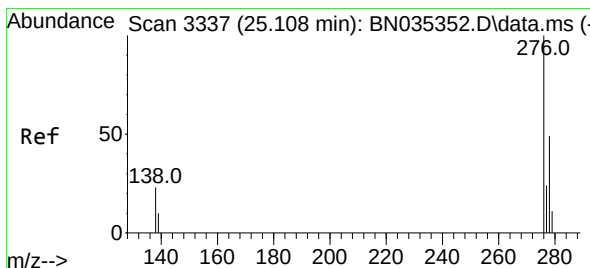
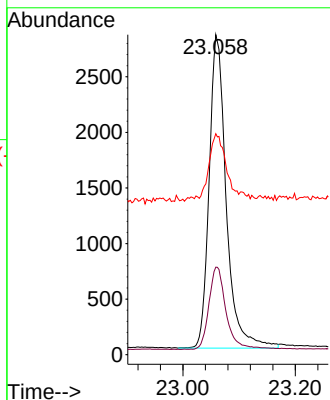
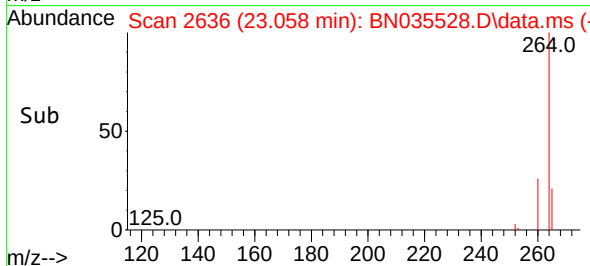
Tgt Ion:264 Resp: 5945  
Ion Ratio Lower Upper  
264 100  
260 27.3 21.4 32.2  
265 69.1 40.2 60.4

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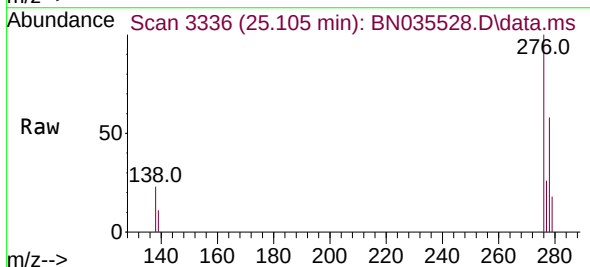
APPROVED

Reviewed By :Yogesh Patel 12/11/2024

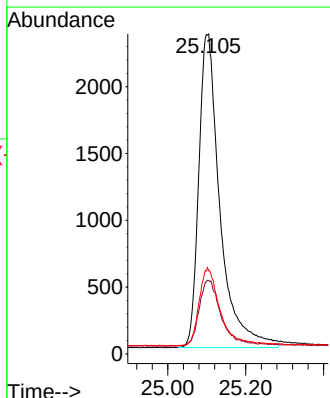
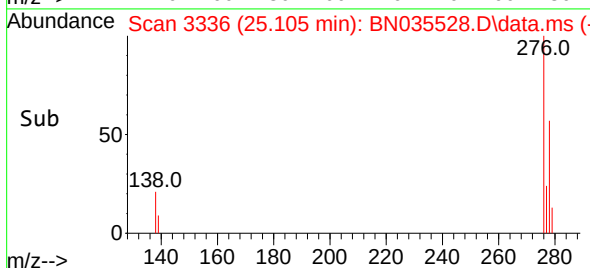
Supervised By :mohammad ahmed 12/11/2024

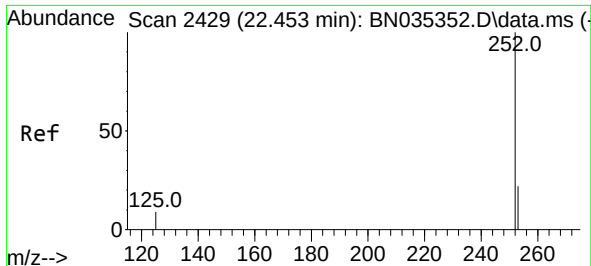


#36  
Indeno(1,2,3-cd)pyrene  
Concen: 0.382 ng  
RT: 25.105 min Scan# 3336  
Delta R.T. -0.003 min  
Lab File: BN035528.D  
Acq: 10 Dec 2024 11:21



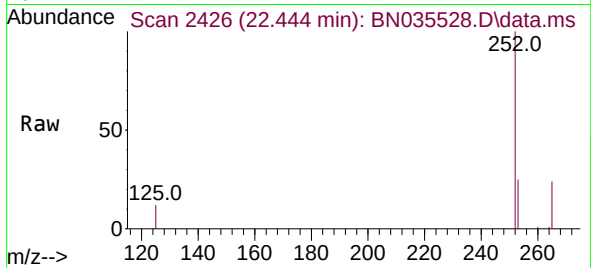
Tgt Ion:276 Resp: 8871  
Ion Ratio Lower Upper  
276 100  
138 21.3 19.4 29.0  
277 24.0 19.8 29.6





#37  
Benzo(b)fluoranthene  
Concen: 0.509 ng  
RT: 22.444 min Scan# 2426  
Delta R.T. -0.009 min  
Lab File: BN035528.D  
Acq: 10 Dec 2024 11:21

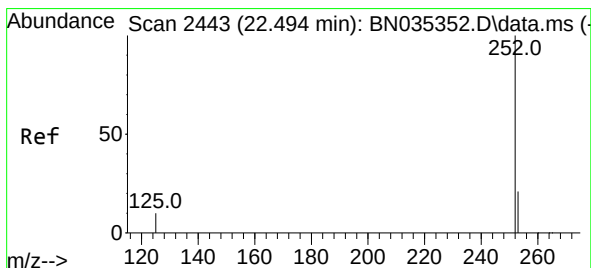
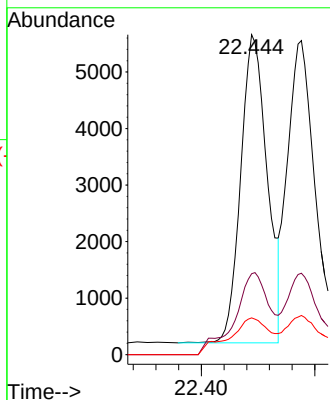
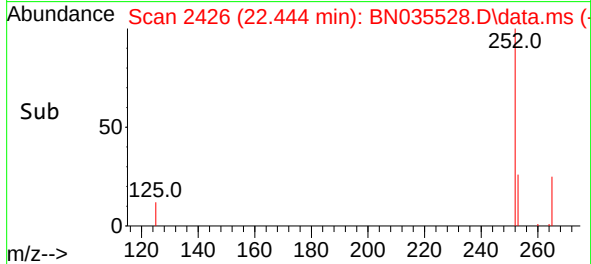
Instrument :  
BNA\_N  
ClientSampleId :  
PB165497BS



Tgt Ion:252 Resp: 11072  
Ion Ratio Lower Upper  
252 100  
253 25.3 19.6 29.4  
125 11.5 9.6 14.4

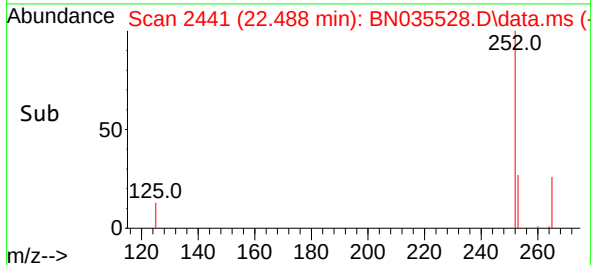
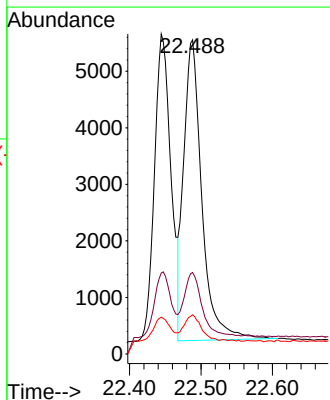
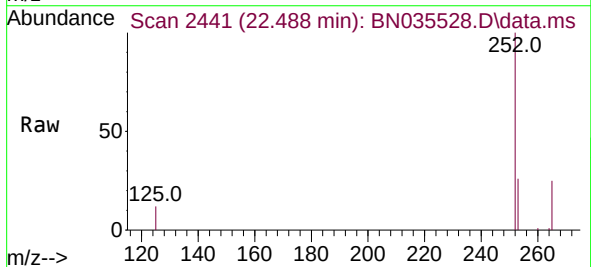
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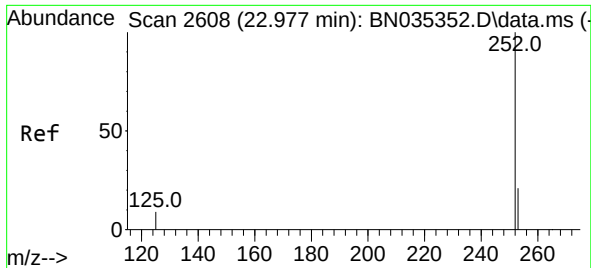
Reviewed By :Yogesh Patel 12/11/2024  
Supervised By :mohammad ahmed 12/11/2024



#38  
Benzo(k)fluoranthene  
Concen: 0.438 ng  
RT: 22.488 min Scan# 2441  
Delta R.T. -0.006 min  
Lab File: BN035528.D  
Acq: 10 Dec 2024 11:21

Tgt Ion:252 Resp: 9381  
Ion Ratio Lower Upper  
252 100  
253 25.9 19.5 29.3  
125 12.5 10.2 15.4





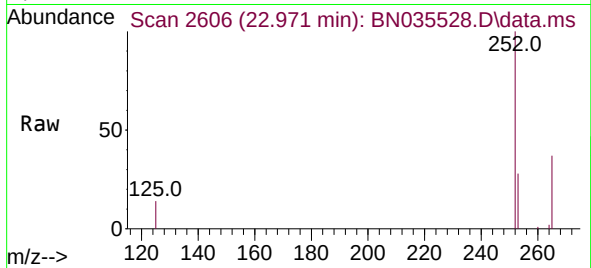
#39  
Benzo(a)pyrene  
Concen: 0.414 ng  
RT: 22.971 min Scan# 2606  
Delta R.T. -0.006 min  
Lab File: BN035528.D  
Acq: 10 Dec 2024 11:21

Instrument :

BNA\_N

ClientSampleId :

PB165497BS

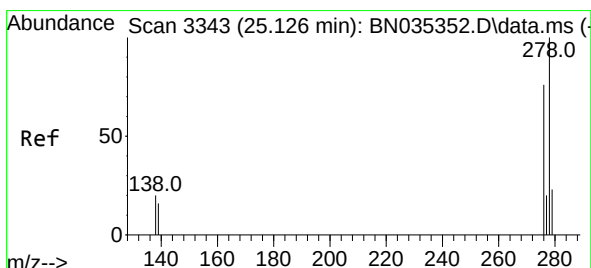
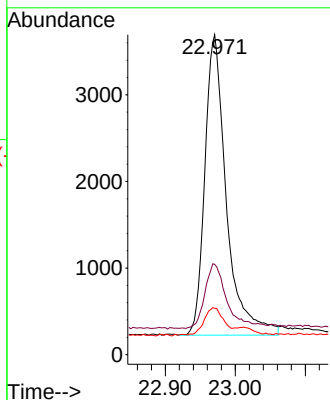
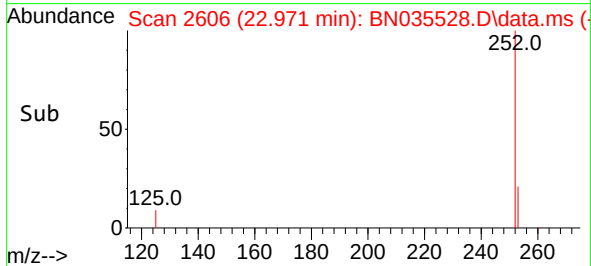


Tgt Ion:252 Resp: 741  
Ion Ratio Lower Upper  
252 100  
253 28.3 20.2 30.4  
125 14.5 10.9 16.3

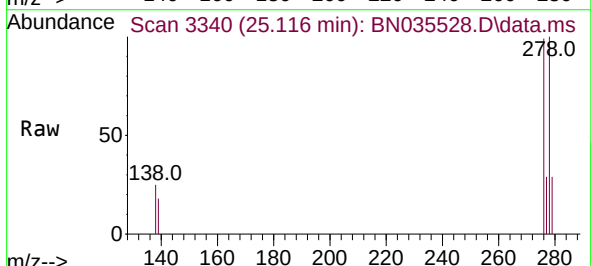
Manual Integrations

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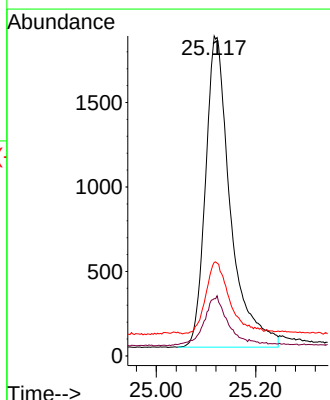
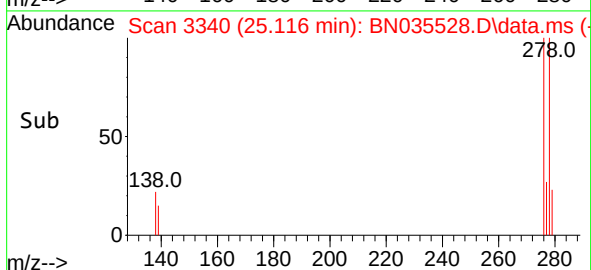
Reviewed By :Yogesh Patel 12/11/2024  
Supervised By :mohammad ahmed 12/11/2024

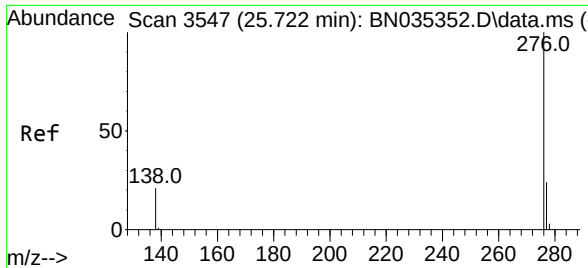


#40  
Dibenzo(a,h)anthracene  
Concen: 0.349 ng  
RT: 25.116 min Scan# 3340  
Delta R.T. -0.009 min  
Lab File: BN035528.D  
Acq: 10 Dec 2024 11:21



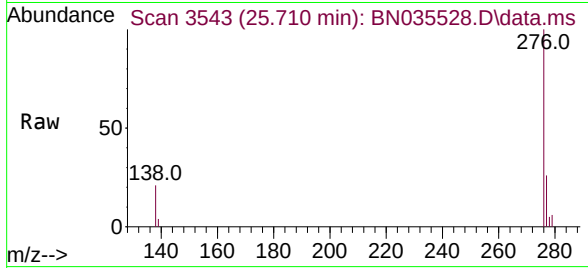
Tgt Ion:278 Resp: 6401  
Ion Ratio Lower Upper  
278 100  
139 17.9 14.2 21.4  
279 29.3 20.5 30.7





#41  
Benzo(g,h,i)perylene  
Concen: 0.381 ng  
RT: 25.710 min Scan# 31  
Delta R.T. -0.012 min  
Lab File: BN035528.D  
Acq: 10 Dec 2024 11:21

Instrument :  
BNA\_N  
ClientSampleId :  
PB165497BS



Tgt Ion: 276 Resp: 730  
Ion Ratio Lower Upper  
276 100  
277 25.7 19.9 29.9  
138 21.3 17.8 26.8

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Reviewed By :Yogesh Patel 12/11/2024  
Supervised By :mohammad ahmed 12/11/2024

