

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN112724\  
 Data File : BN035370.D  
 Acq On : 28 Nov 2024 06:03  
 Operator : RC/JU  
 Sample : PB165198BS  
 Misc :  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 PB165198BS

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 11/29/2024  
 Supervised By :mohammad ahmed 11/29/2024

Quant Time: Nov 28 06:28:21 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     | 7.308  | 152  | 2262     | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.052 | 136  | 5496     | 0.400 | ng    | 0.00     |
| 13) Acenaphthene-d10          | 13.967 | 164  | 3686     | 0.400 | ng    | 0.00     |
| 19) Phenanthrene-d10          | 16.723 | 188  | 9203     | 0.400 | ng    | #-0.01   |
| 29) Chrysene-d12              | 20.974 | 240  | 8666     | 0.400 | ng    | 0.00     |
| 35) Perylene-d12              | 23.067 | 264  | 8924     | 0.400 | ng    | 0.00     |
|                               |        |      |          |       |       |          |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 4.968  | 112  | 2290     | 0.405 | ng    | 0.00     |
| 5) Phenol-d6                  | 6.513  | 99   | 2626     | 0.386 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 8.440  | 82   | 1569m    | 0.467 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10   | 11.656 | 152  | 4975     | 0.578 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 15.475 | 330  | 735      | 0.281 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl          | 12.574 | 172  | 6624     | 0.475 | ng    | 0.00     |
| 27) Fluoranthene-d10          | 18.785 | 212  | 11970    | 0.459 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.412 | 244  | 8912     | 0.521 | ng    | 0.00     |
|                               |        |      |          |       |       |          |
| Target Compounds              |        |      |          |       |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.996  | 88   | 876      | 0.405 | ng    | # 74     |
| 3) n-Nitrosodimethylamine     | 3.292  | 42   | 799      | 0.444 | ng    | # 91     |
| 6) bis(2-Chloroethyl)ether    | 6.759  | 93   | 2447     | 0.428 | ng    | 100      |
| 9) Naphthalene                | 10.105 | 128  | 6241     | 0.431 | ng    | 100      |
| 10) Hexachlorobutadiene       | 10.404 | 225  | 1469     | 0.439 | ng    | # 99     |
| 12) 2-Methylnaphthalene       | 11.732 | 142  | 4378     | 0.422 | ng    | 98       |
| 16) Acenaphthylene            | 13.679 | 152  | 7040     | 0.455 | ng    | 99       |
| 17) Acenaphthene              | 14.021 | 154  | 4456     | 0.434 | ng    | 100      |
| 18) Fluorene                  | 15.026 | 166  | 6228     | 0.423 | ng    | 100      |
| 20) 4,6-Dinitro-2-methylph... | 15.122 | 198  | 411      | 0.454 | ng    | 91       |
| 21) 4-Bromophenyl-phenylether | 15.941 | 248  | 2303     | 0.428 | ng    | 97       |
| 22) Hexachlorobenzene         | 16.041 | 284  | 2710     | 0.429 | ng    | 99       |
| 23) Atrazine                  | 16.227 | 200  | 1548     | 0.404 | ng    | 98       |
| 24) Pentachlorophenol         | 16.388 | 266  | 950      | 0.345 | ng    | 87       |
| 25) Phenanthrene              | 16.773 | 178  | 11082    | 0.438 | ng    | 100      |
| 26) Anthracene                | 16.860 | 178  | 10144    | 0.444 | ng    | 100      |
| 28) Fluoranthene              | 18.813 | 202  | 13705    | 0.402 | ng    | 100      |
| 30) Pyrene                    | 19.180 | 202  | 14204    | 0.444 | ng    | 100      |
| 32) Benzo(a)anthracene        | 20.956 | 228  | 13138    | 0.433 | ng    | 100      |
| 33) Chrysene                  | 21.010 | 228  | 14112    | 0.451 | ng    | 99       |
| 34) Bis(2-ethylhexyl)phtha... | 20.929 | 149  | 4912     | 0.410 | ng    | 100      |
| 36) Indeno(1,2,3-cd)pyrene    | 25.108 | 276  | 15213    | 0.436 | ng    | 99       |
| 37) Benzo(b)fluoranthene      | 22.453 | 252  | 16020    | 0.491 | ng    | 99       |
| 38) Benzo(k)fluoranthene      | 22.494 | 252  | 14448    | 0.450 | ng    | 99       |
| 39) Benzo(a)pyrene            | 22.977 | 252  | 12434    | 0.462 | ng    | 99       |
| 40) Dibenzo(a,h)anthracene    | 25.123 | 278  | 11913    | 0.433 | ng    | 99       |
| 41) Benzo(g,h,i)perylene      | 25.719 | 276  | 11556    | 0.402 | ng    | 100      |
| -----                         |        |      |          |       |       |          |

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

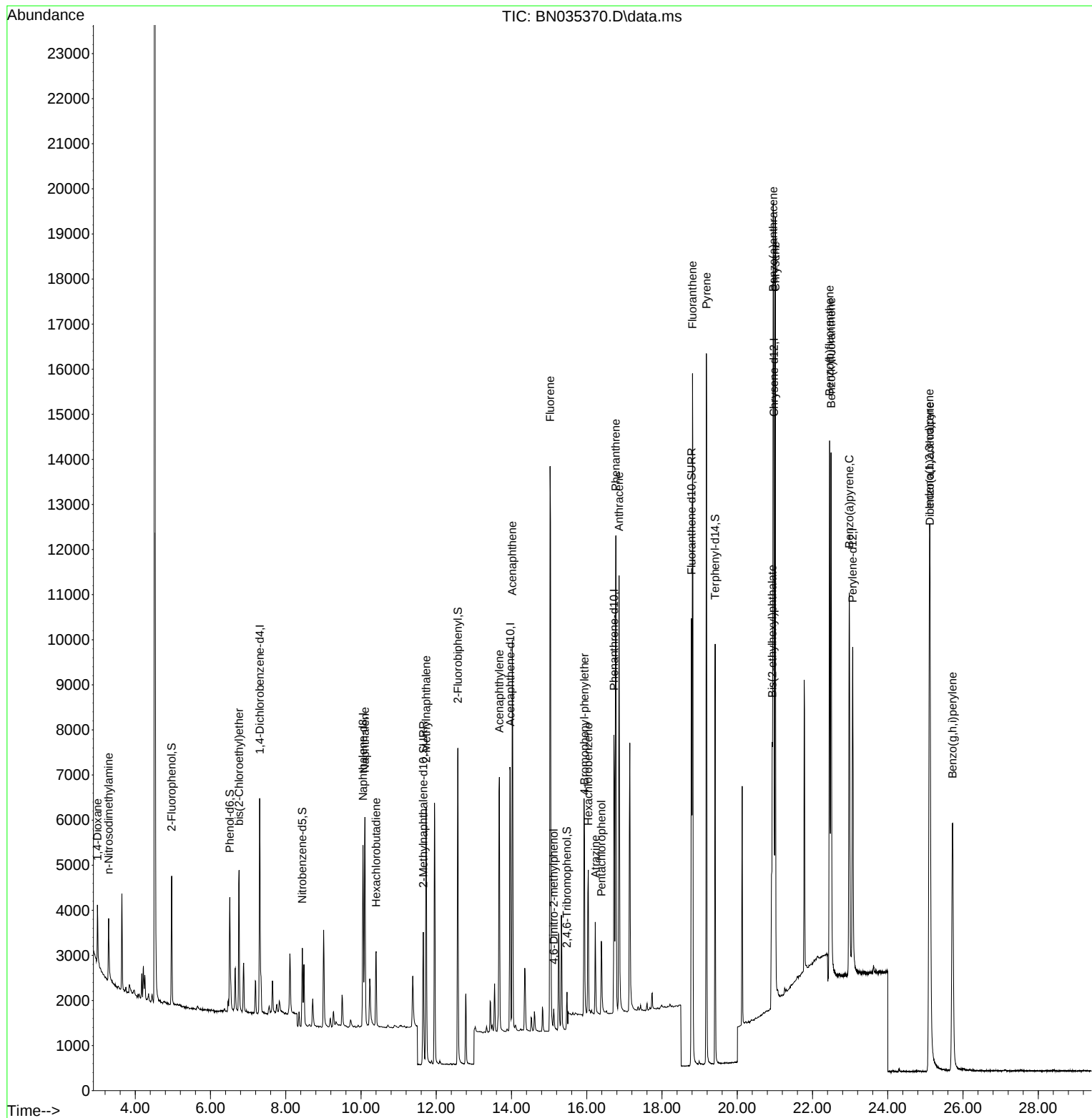
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN112724\  
Data File : BN035370.D  
Acq On : 28 Nov 2024 06:03  
Operator : RC/JU  
Sample : PB165198BS  
Misc :  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
PB165198BS

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 11/29/2024  
Supervised By :mohammad ahmed 11/29/2024

Quant Time: Nov 28 06:28:21 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





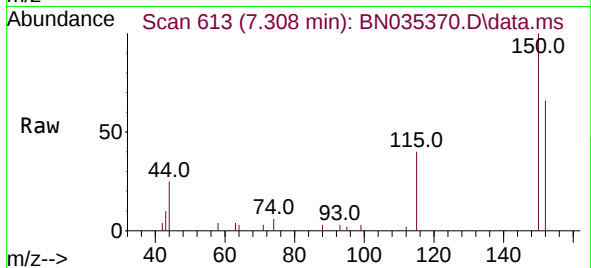
#1  
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.308 min Scan# 61  
Delta R.T. -0.000 min  
Lab File: BN035370.D  
Acq: 28 Nov 2024 06:03

Instrument :

BNA\_N

ClientSampleId :

PB165198BS



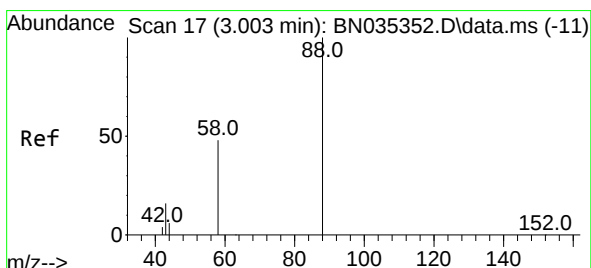
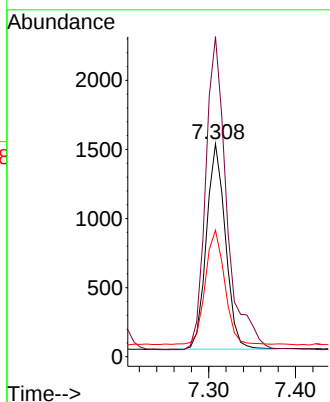
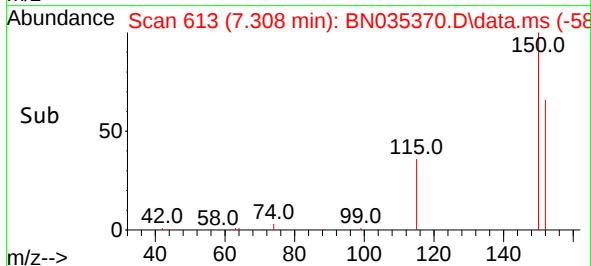
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Ion Ratio Lower Upper  
152 100  
150 150.4 124.0 186.0  
115 59.5 49.6 74.4

Manual Integrations

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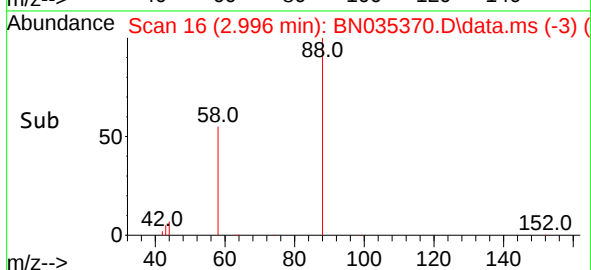
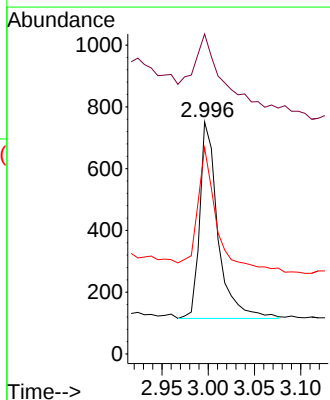
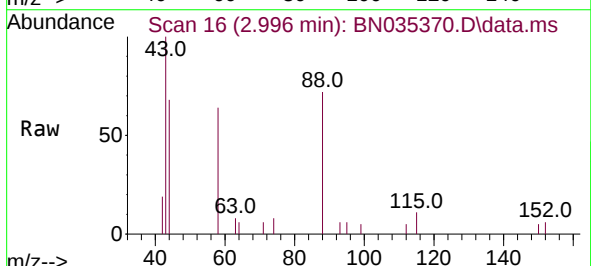
Reviewed By :Yogesh Patel 11/29/2024

Supervised By :mohammad ahmed 11/29/2024



#2  
1,4-Dioxane  
Concen: 0.405 ng  
RT: 2.996 min Scan# 16  
Delta R.T. -0.007 min  
Lab File: BN035370.D  
Acq: 28 Nov 2024 06:03

Tgt Ion: 88 Resp: 876  
Ion Ratio Lower Upper  
88 100  
43 58.3 17.2 25.8#  
58 59.7 44.5 66.7





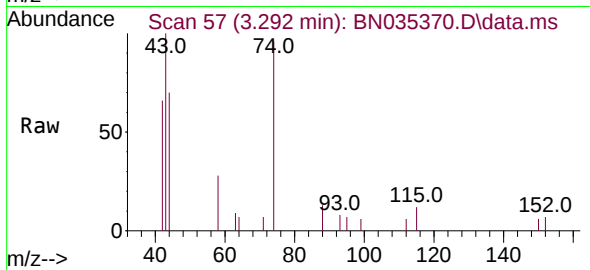
#3  
n-Nitrosodimethylamine  
Concen: 0.444 ng  
RT: 3.292 min Scan# 57  
Delta R.T. 0.000 min  
Lab File: BN035370.D  
Acq: 28 Nov 2024 06:03

Instrument :

BNA\_N

ClientSampleId :

PB165198BS



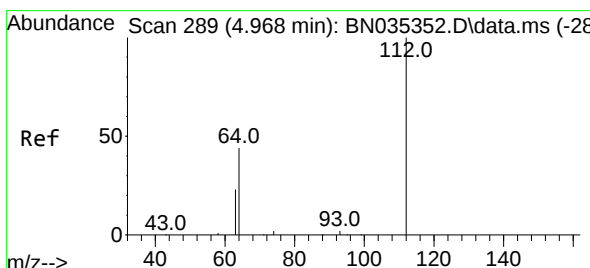
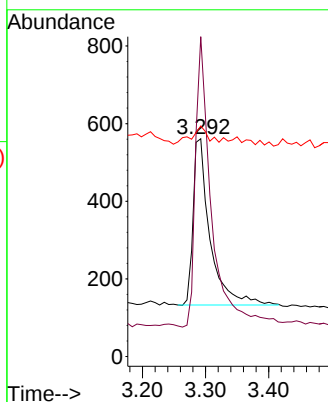
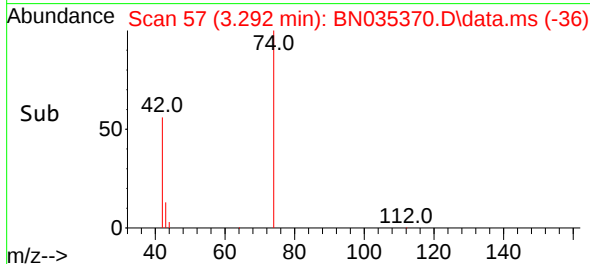
Tgt Ion: 42 Resp: 799  
Ion Ratio Lower Upper  
42 100  
74 167.0 124.9 187.3  
44 10.6 2.2 3.4

Manual Integrations

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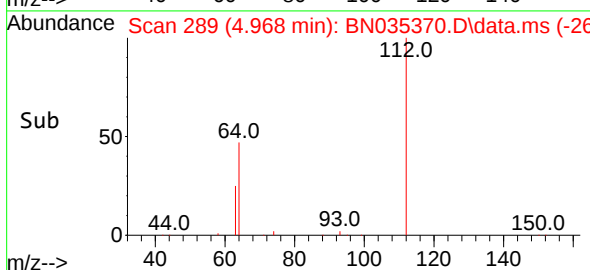
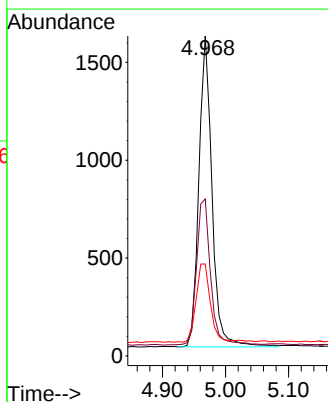
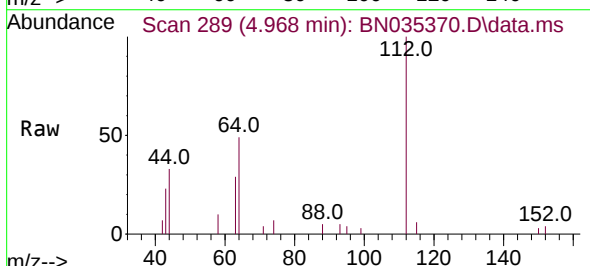
Reviewed By :Yogesh Patel 11/29/2024

Supervised By :mohammad ahmed 11/29/2024



#4  
2-Fluorophenol  
Concen: 0.405 ng  
RT: 4.968 min Scan# 289  
Delta R.T. 0.000 min  
Lab File: BN035370.D  
Acq: 28 Nov 2024 06:03

Tgt Ion:112 Resp: 2290  
Ion Ratio Lower Upper  
112 100  
64 50.4 39.8 59.8  
63 28.0 21.0 31.6





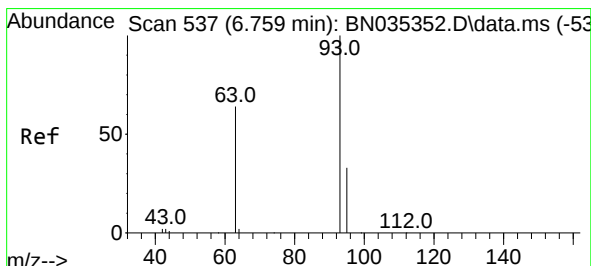
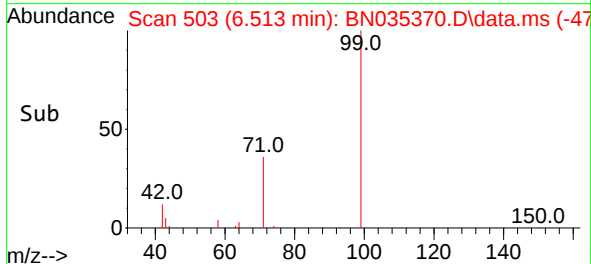
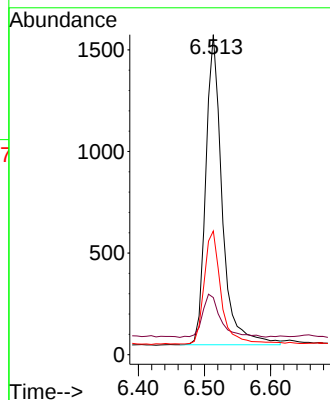
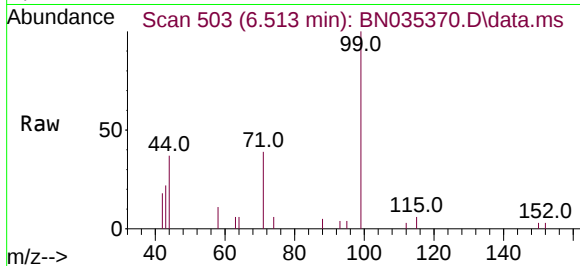
#5  
Phenol-d6  
Concen: 0.386 ng  
RT: 6.513 min Scan# 503  
Delta R.T. 0.000 min  
Lab File: BN035370.D  
Acq: 28 Nov 2024 06:03

Instrument :  
BNA\_N  
ClientSampleId :  
PB165198BS

Tgt Ion: 99 Resp: 2620  
Ion Ratio Lower Upper  
99 100  
42 15.6 11.4 17.2  
71 37.5 29.3 43.9

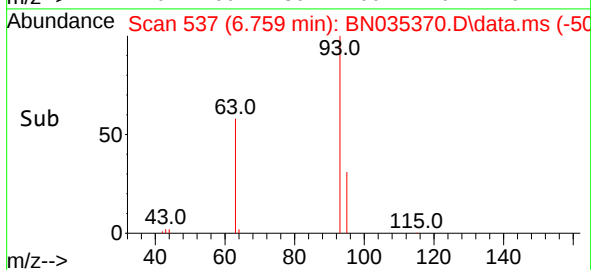
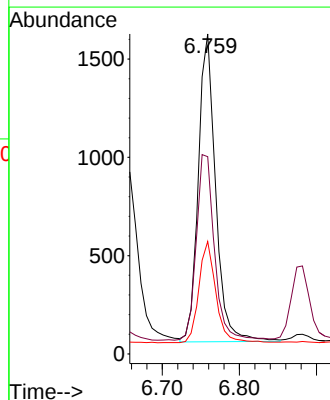
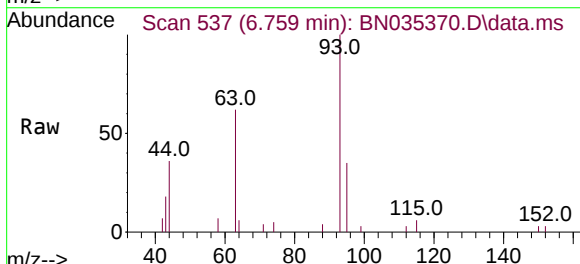
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 11/29/2024  
Supervised By :mohammad ahmed 11/29/2024



#6  
bis(2-Chloroethyl)ether  
Concen: 0.428 ng  
RT: 6.759 min Scan# 537  
Delta R.T. 0.000 min  
Lab File: BN035370.D  
Acq: 28 Nov 2024 06:03

Tgt Ion: 93 Resp: 2447  
Ion Ratio Lower Upper  
93 100  
63 63.1 50.4 75.6  
95 32.0 25.7 38.5





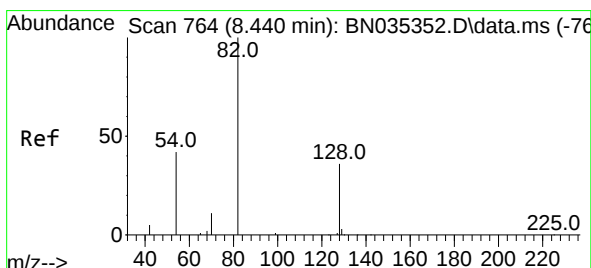
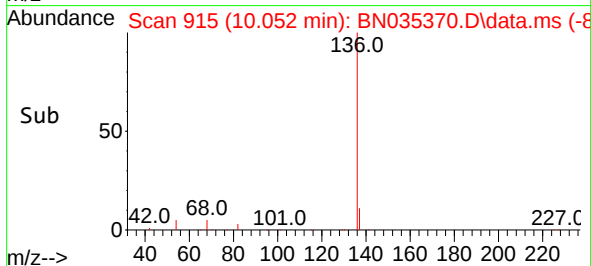
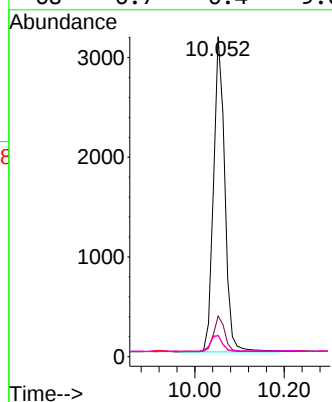
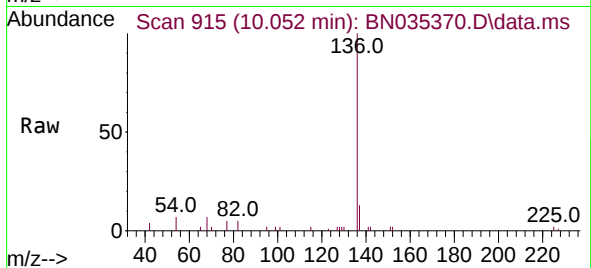
#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.052 min Scan# 915  
Delta R.T. 0.000 min  
Lab File: BN035370.D  
Acq: 28 Nov 2024 06:03

Instrument :  
BNA\_N  
ClientSampleId :  
PB165198BS

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 136   | Resp: | 5490  |
| Ion      | Ratio | Lower | Upper |
| 136      | 100   |       |       |
| 137      | 12.7  | 10.2  | 15.2  |
| 54       | 6.6   | 6.1   | 9.1   |
| 68       | 6.7   | 6.4   | 9.6   |

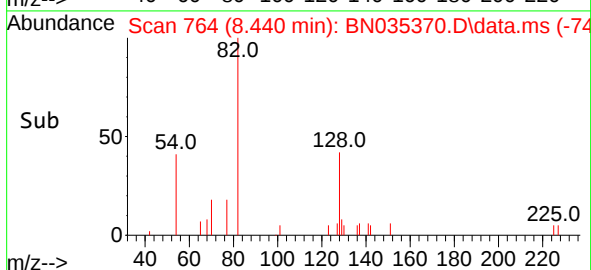
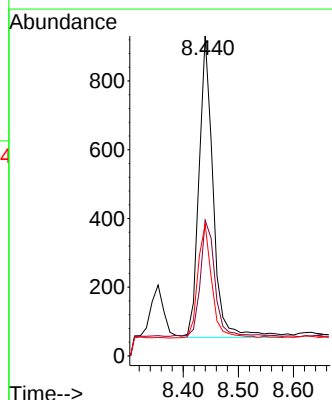
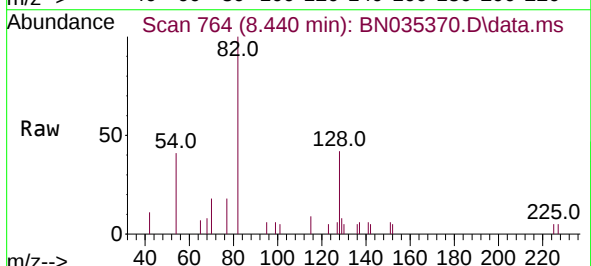
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 11/29/2024  
Supervised By :mohammad ahmed 11/29/2024



#8  
Nitrobenzene-d5  
Concen: 0.467 ng m  
RT: 8.440 min Scan# 764  
Delta R.T. 0.000 min  
Lab File: BN035370.D  
Acq: 28 Nov 2024 06:03

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 82    | Resp: | 1569  |
| Ion      | Ratio | Lower | Upper |
| 82       | 100   |       |       |
| 128      | 42.4  | 33.4  | 50.0  |
| 54       | 41.1  | 36.7  | 55.1  |





#9

Naphthalene

Concen: 0.431 ng

RT: 10.105 min Scan# 91

Delta R.T. 0.000 min

Lab File: BN035370.D

Acq: 28 Nov 2024 06:03

Instrument :

BNA\_N

ClientSampleId :

PB165198BS

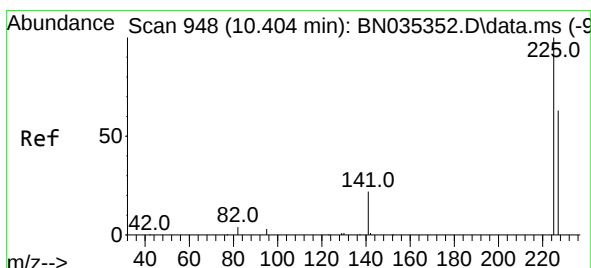
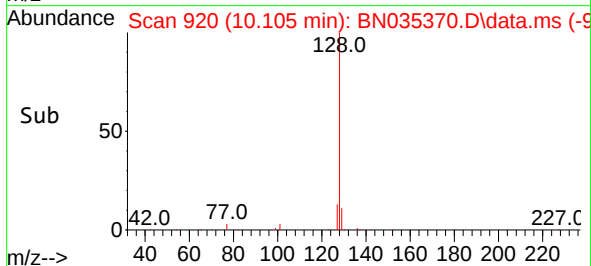
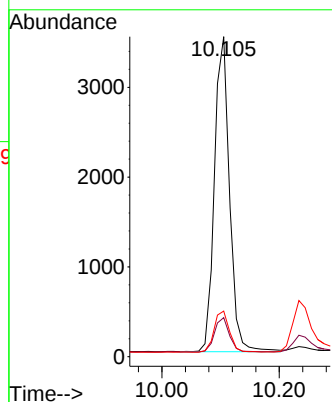
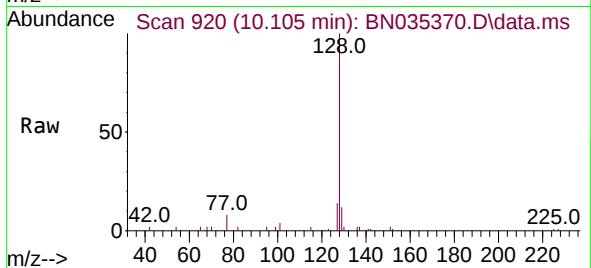
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|-----------|-------|-------|------|
| Tgt Ion:  | 128   | Resp: | 624  |
| Ion Ratio | Lower | Upper |      |
| 128       | 100   |       |      |
| 129       | 12.2  | 9.8   | 14.6 |
| 127       | 14.2  | 11.4  | 17.2 |

Manual Integrations

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Supervised By :mohammad ahmed 11/29/2024



#10

Hexachlorobutadiene

Concen: 0.439 ng

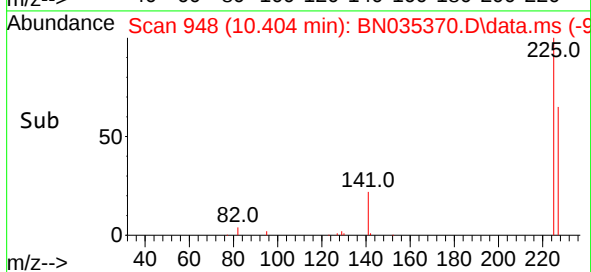
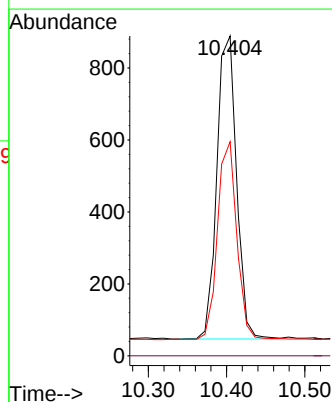
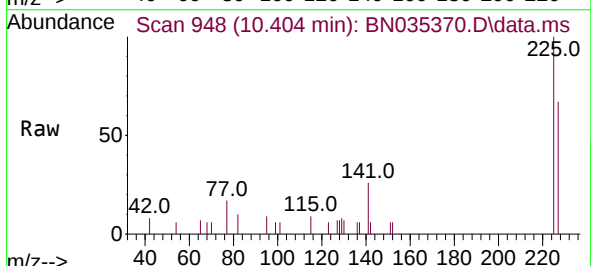
RT: 10.404 min Scan# 948

Delta R.T. 0.000 min

Lab File: BN035370.D

Acq: 28 Nov 2024 06:03

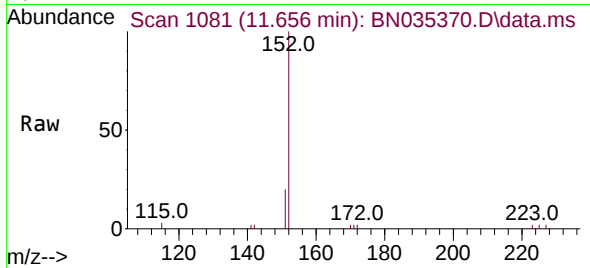
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 225   | Resp: | 1469 |
| Ion Ratio | Lower | Upper |      |
| 225       | 100   |       |      |
| 223       | 0.0   | 0.0   | 0.0  |
| 227       | 64.7  | 51.3  | 76.9 |





#11  
2-Methylnaphthalene-d10  
Concen: 0.578 ng  
RT: 11.656 min Scan# 1081  
Delta R.T. 0.000 min  
Lab File: BN035370.D  
Acq: 28 Nov 2024 06:03

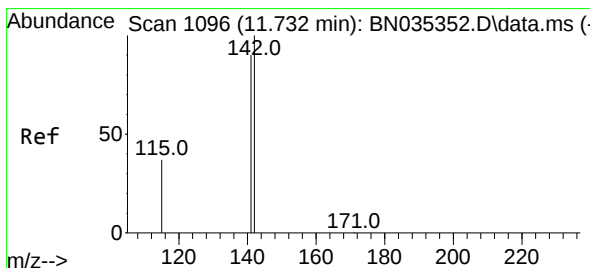
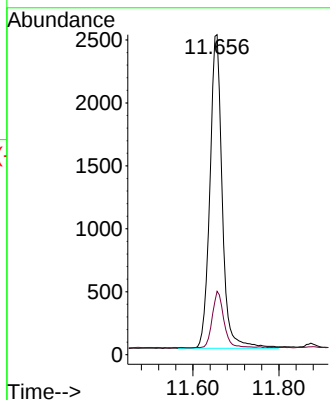
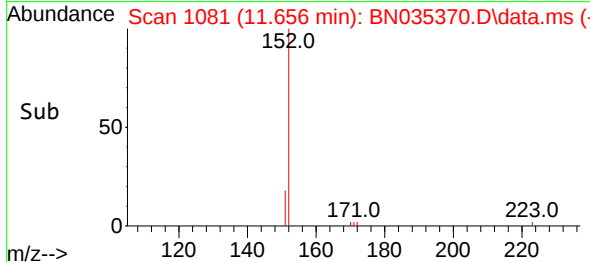
Instrument :  
BNA\_N  
ClientSampleId :  
PB165198BS



Tgt Ion:152 Resp: 4975  
Ion Ratio Lower Upper  
152 100  
151 16.9 16.6 25.0

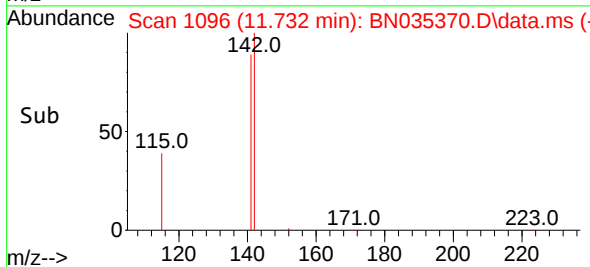
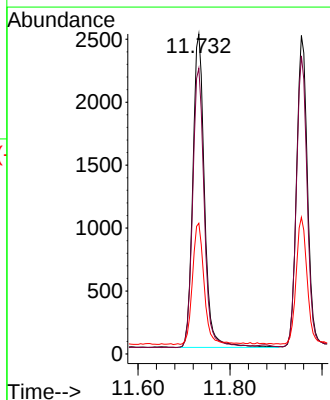
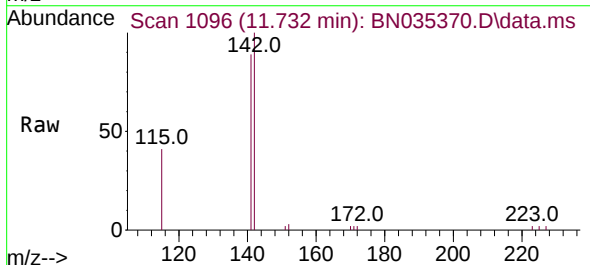
Manual Integrations  
APPROVED

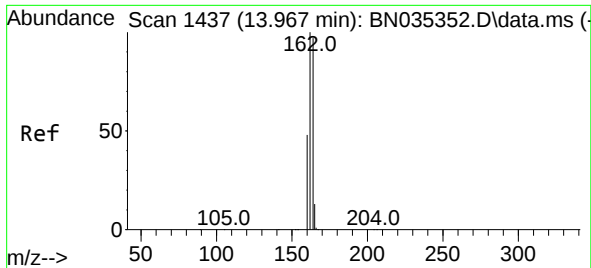
Reviewed By :Yogesh Patel 11/29/2024  
Supervised By :mohammad ahmed 11/29/2024



#12  
2-Methylnaphthalene  
Concen: 0.422 ng  
RT: 11.732 min Scan# 1096  
Delta R.T. 0.000 min  
Lab File: BN035370.D  
Acq: 28 Nov 2024 06:03

Tgt Ion:142 Resp: 4378  
Ion Ratio Lower Upper  
142 100  
141 89.3 72.2 108.4  
115 40.8 31.4 47.0





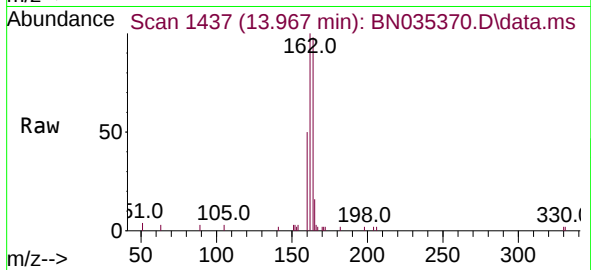
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Acenaphthene-d10  
Concen: 0.400 ng  
RT: 13.967 min Scan# 1437  
Delta R.T. 0.000 min  
Lab File: BN035370.D  
Acq: 28 Nov 2024 06:03

Instrument :

BNA\_N

ClientSampleId :

PB165198BS



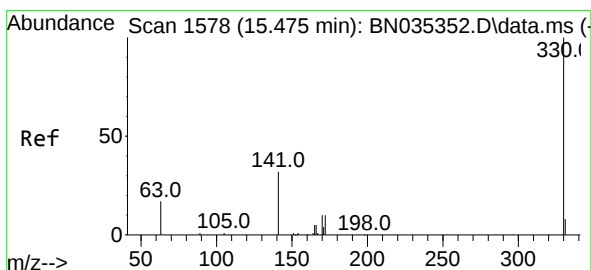
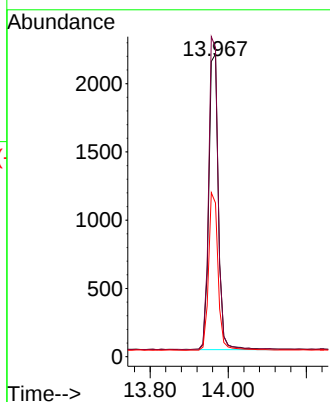
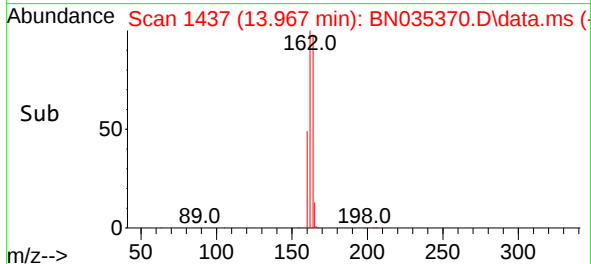
Tgt Ion:164 Resp: 3680  
Ion Ratio Lower Upper  
164 100  
162 102.2 82.2 123.2  
160 50.8 40.1 60.1

Manual Integrations

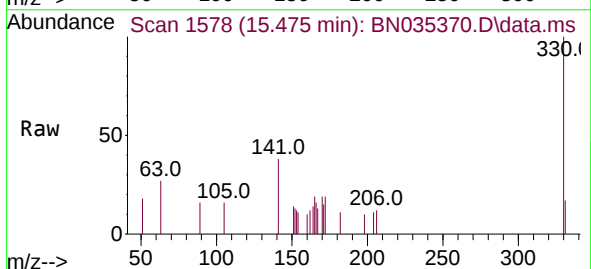
APPROVED

Reviewed By :Yogesh Patel 11/29/2024

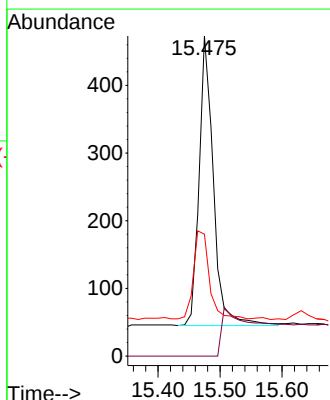
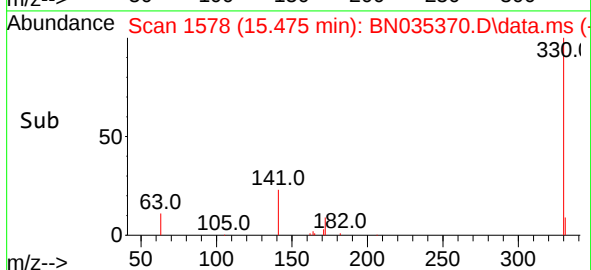
Supervised By :mohammad ahmed 11/29/2024

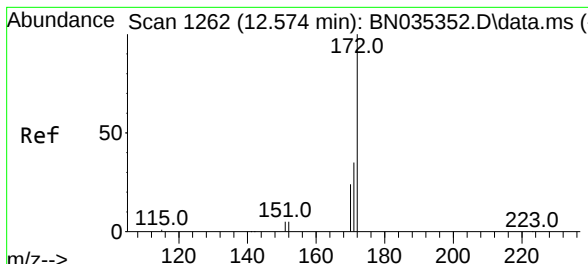


#14  
2,4,6-Tribromophenol  
Concen: 0.281 ng  
RT: 15.475 min Scan# 1578  
Delta R.T. 0.000 min  
Lab File: BN035370.D  
Acq: 28 Nov 2024 06:03



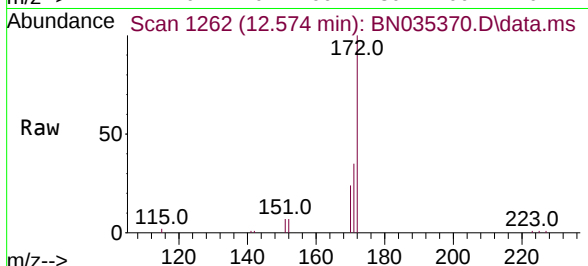
Tgt Ion:330 Resp: 735  
Ion Ratio Lower Upper  
330 100  
332 0.0 0.0 0.0  
141 34.6 26.6 40.0





#15  
2-Fluorobiphenyl  
Concen: 0.475 ng  
RT: 12.574 min Scan# 1262  
Delta R.T. 0.000 min  
Lab File: BN035370.D  
Acq: 28 Nov 2024 06:03

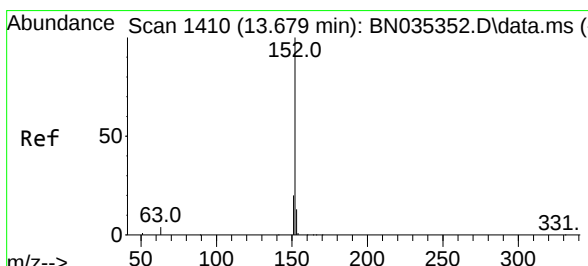
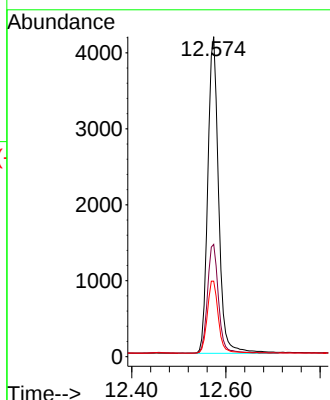
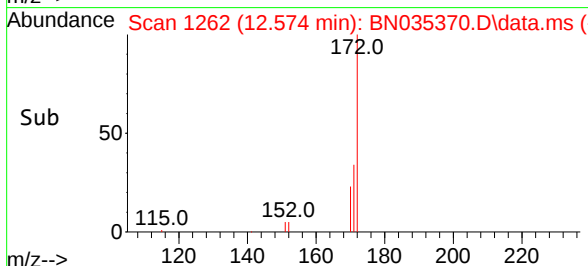
Instrument :  
BNA\_N  
ClientSampleId :  
PB165198BS



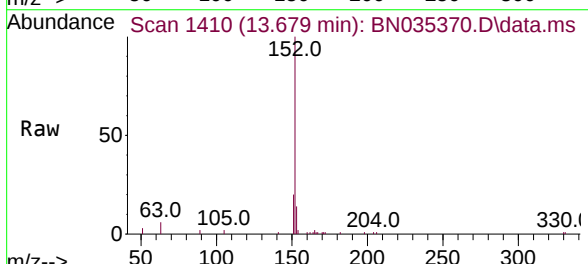
Tgt Ion:172 Resp: 6624  
Ion Ratio Lower Upper  
172 100  
171 35.1 29.0 43.4  
170 23.6 19.8 29.8

Manual Integrations  
APPROVED

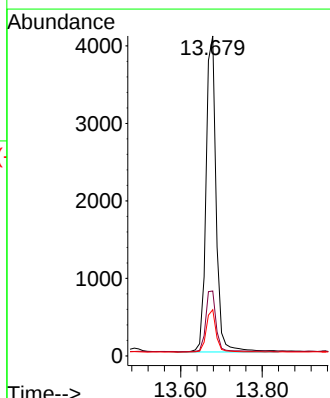
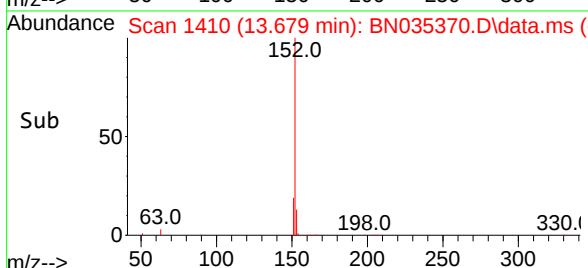
Reviewed By :Yogesh Patel 11/29/2024  
Supervised By :mohammad ahmed 11/29/2024

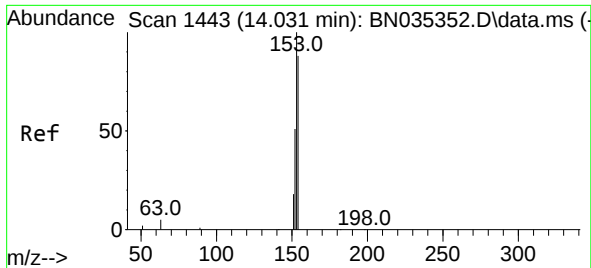


#16  
Acenaphthylene  
Concen: 0.455 ng  
RT: 13.679 min Scan# 1410  
Delta R.T. 0.000 min  
Lab File: BN035370.D  
Acq: 28 Nov 2024 06:03



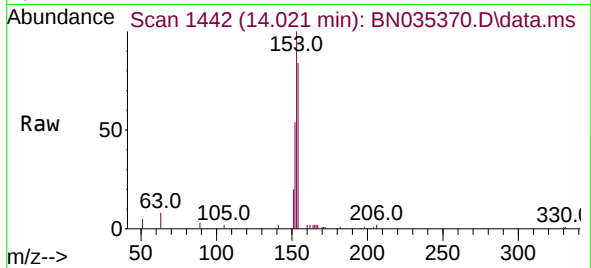
Tgt Ion:152 Resp: 7040  
Ion Ratio Lower Upper  
152 100  
151 19.9 16.2 24.2  
153 13.2 10.4 15.6





#17  
Acenaphthene  
Concen: 0.434 ng  
RT: 14.021 min Scan# 1442  
Delta R.T. -0.011 min  
Lab File: BN035370.D  
Acq: 28 Nov 2024 06:03

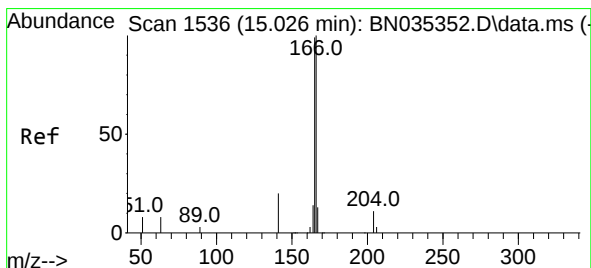
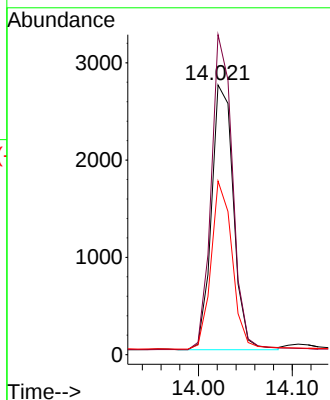
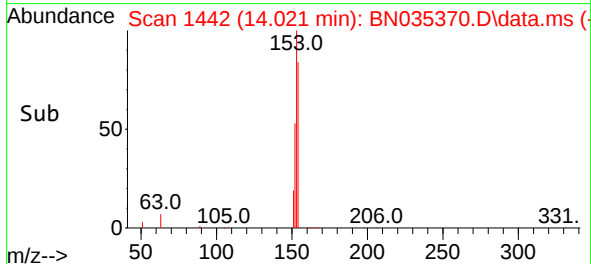
Instrument :  
BNA\_N  
ClientSampleId :  
PB165198BS



Tgt Ion:154 Resp: 4450  
Ion Ratio Lower Upper  
154 100  
153 115.6 92.6 139.0  
152 61.5 49.0 73.6

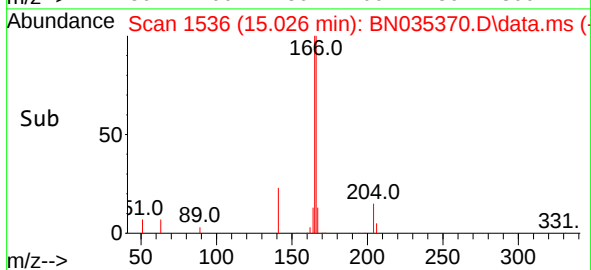
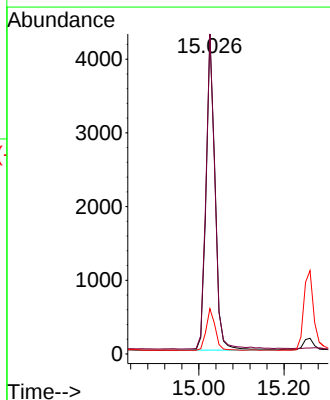
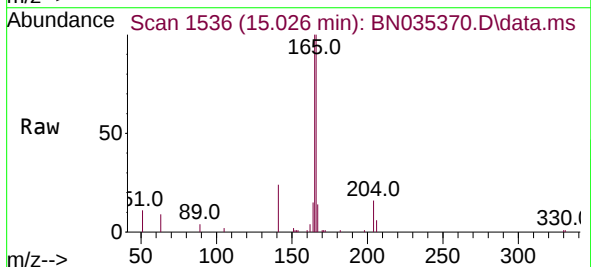
Manual Integrations  
APPROVED

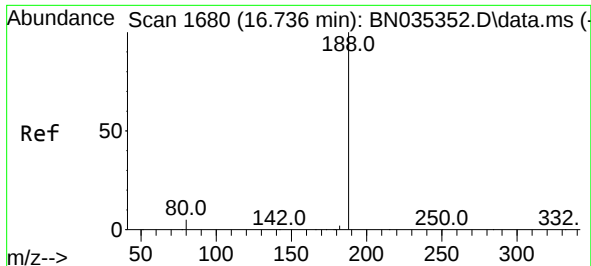
Reviewed By :Yogesh Patel 11/29/2024  
Supervised By :mohammad ahmed 11/29/2024



#18  
Fluorene  
Concen: 0.423 ng  
RT: 15.026 min Scan# 1536  
Delta R.T. 0.000 min  
Lab File: BN035370.D  
Acq: 28 Nov 2024 06:03

Tgt Ion:166 Resp: 6228  
Ion Ratio Lower Upper  
166 100  
165 100.0 79.7 119.5  
167 13.3 10.8 16.2





#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 16.723 min Scan# 11  
Delta R.T. -0.012 min  
Lab File: BN035370.D  
Acq: 28 Nov 2024 06:03

Instrument :

BNA\_N

ClientSampleId :

PB165198BS

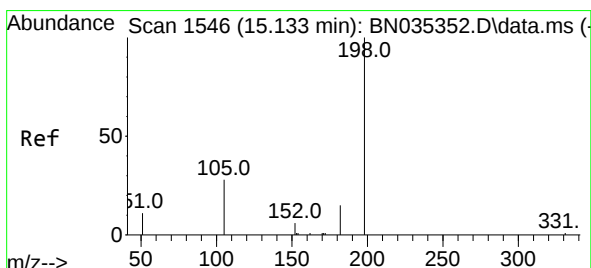
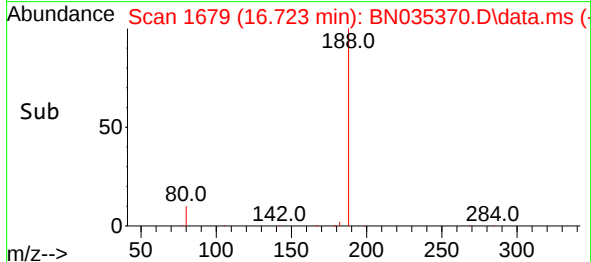
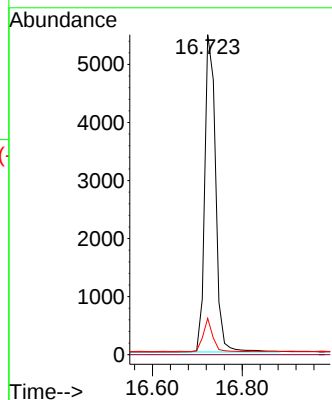
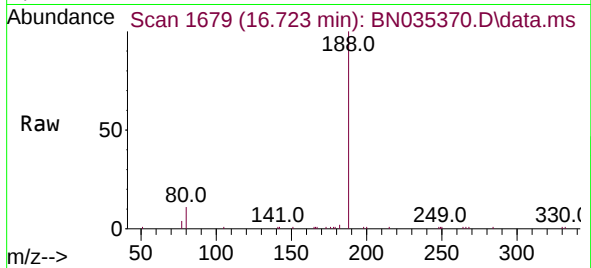
Tgt Ion:188 Resp: 920  
Ion Ratio Lower Upper  
188 100  
94 0.0 0.0 0.0  
80 11.3 4.6 6.8

Manual Integrations

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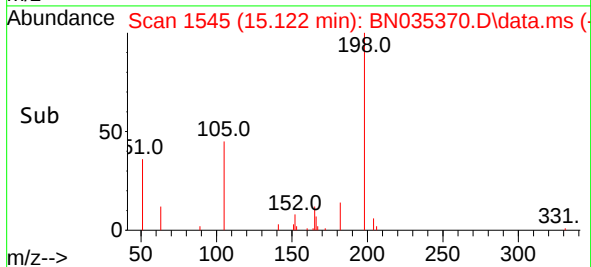
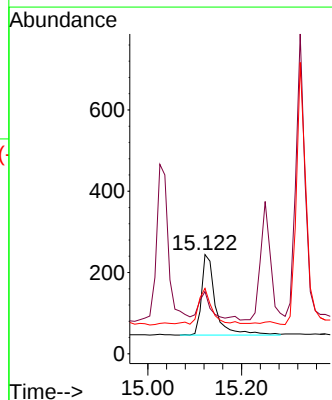
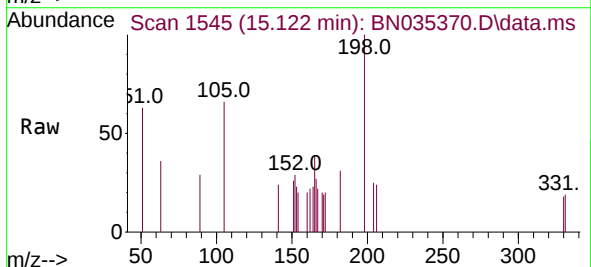
Reviewed By :Yogesh Patel 11/29/2024

Supervised By :mohammad ahmed 11/29/2024



#20  
4,6-Dinitro-2-methylphenol  
Concen: 0.454 ng  
RT: 15.122 min Scan# 1545  
Delta R.T. -0.011 min  
Lab File: BN035370.D  
Acq: 28 Nov 2024 06:03

Tgt Ion:198 Resp: 411  
Ion Ratio Lower Upper  
198 100  
51 62.7 46.5 69.7  
105 66.0 45.3 67.9





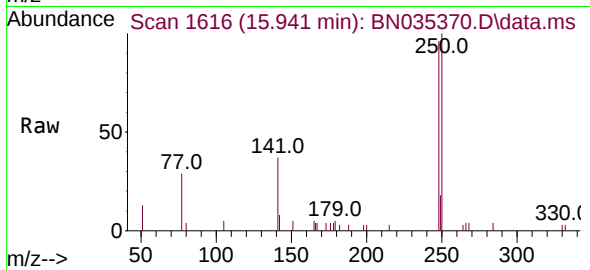
#21  
4-Bromophenyl-phenylether  
Concen: 0.428 ng  
RT: 15.941 min Scan# 1616  
Delta R.T. 0.000 min  
Lab File: BN035370.D  
Acq: 28 Nov 2024 06:03

Instrument :

BNA\_N

ClientSampleId :

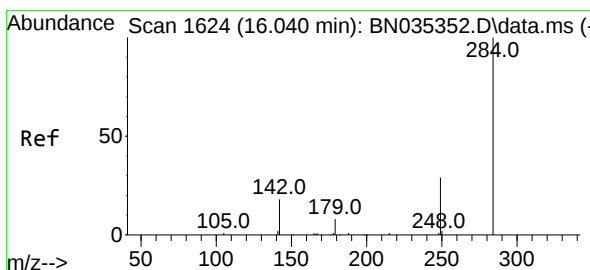
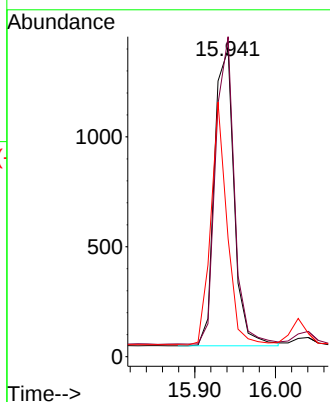
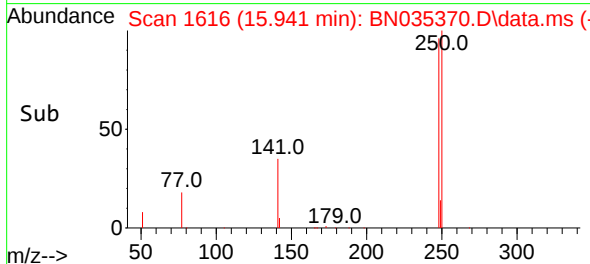
PB165198BS



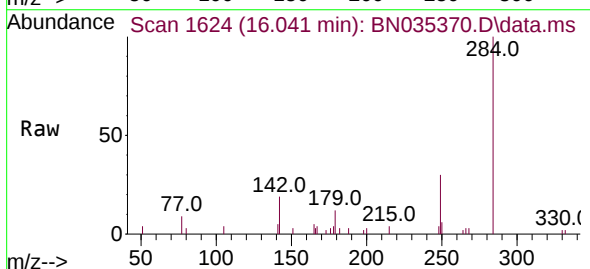
Tgt Ion:248 Resp: 230  
Ion Ratio Lower Upper  
248 100  
250 104.1 80.6 120.8  
141 38.3 31.5 47.3

Manual Integrations  
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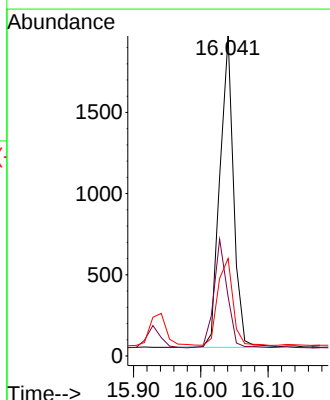
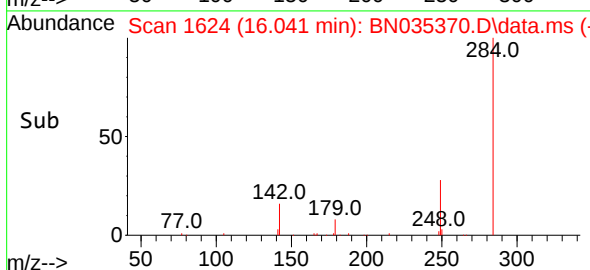
Reviewed By :Yogesh Patel 11/29/2024  
Supervised By :mohammad ahmed 11/29/2024

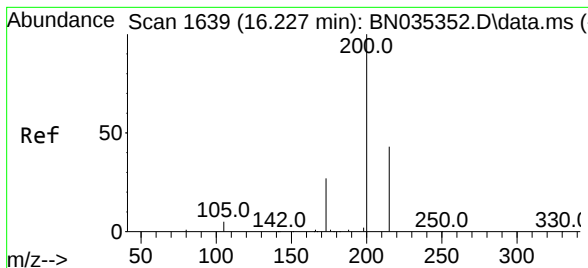


#22  
Hexachlorobenzene  
Concen: 0.429 ng  
RT: 16.041 min Scan# 1624  
Delta R.T. 0.000 min  
Lab File: BN035370.D  
Acq: 28 Nov 2024 06:03



Tgt Ion:284 Resp: 2710  
Ion Ratio Lower Upper  
284 100  
142 34.3 26.7 40.1  
249 30.8 24.6 36.8





#23

Atrazine

Concen: 0.404 ng

RT: 16.227 min Scan# 1639

Delta R.T. 0.000 min

Lab File: BN035370.D

Acq: 28 Nov 2024 06:03

Instrument :

BNA\_N

ClientSampleId :

PB165198BS

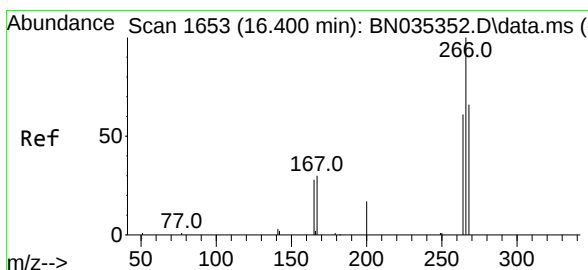
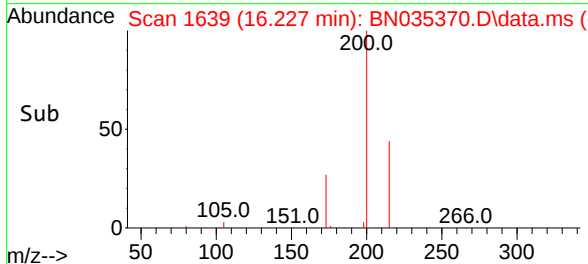
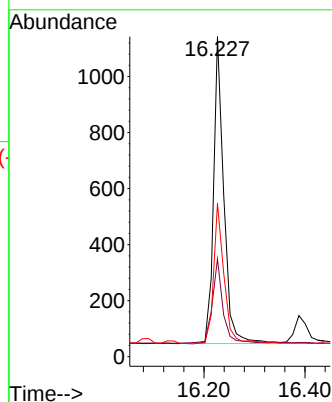
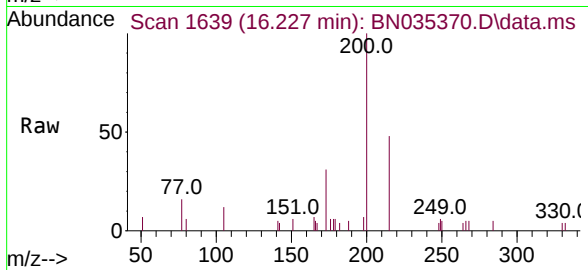
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 200   | Resp: | 1548 |
| Ion Ratio | Lower | Upper |      |
| 200       | 100   |       |      |
| 173       | 30.6  | 24.1  | 36.1 |
| 215       | 47.9  | 36.9  | 55.3 |

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/29/2024

Supervised By :mohammad ahmed 11/29/2024



#24

Pentachlorophenol

Concen: 0.345 ng

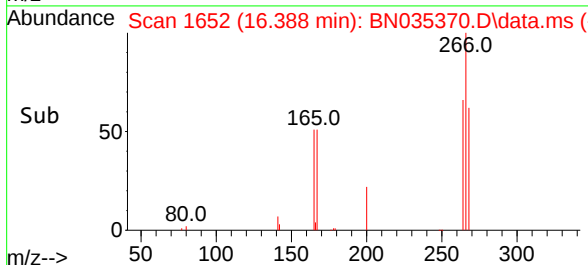
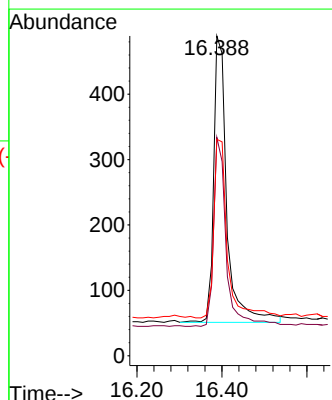
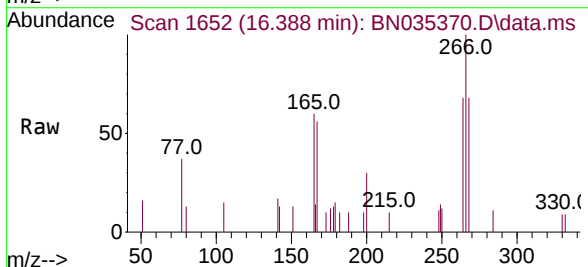
RT: 16.388 min Scan# 1652

Delta R.T. -0.012 min

Lab File: BN035370.D

Acq: 28 Nov 2024 06:03

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 266   | Resp: | 950  |
| Ion Ratio | Lower | Upper |      |
| 266       | 100   |       |      |
| 264       | 62.4  | 42.3  | 63.5 |
| 268       | 63.8  | 43.3  | 64.9 |





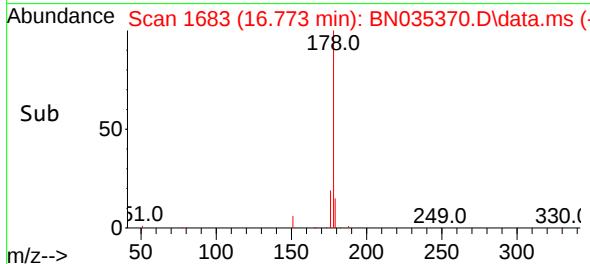
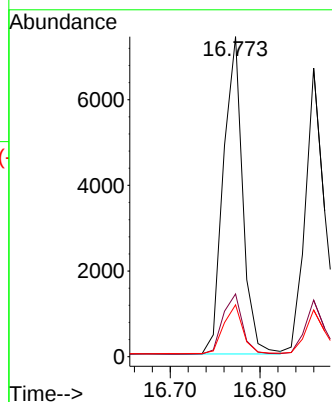
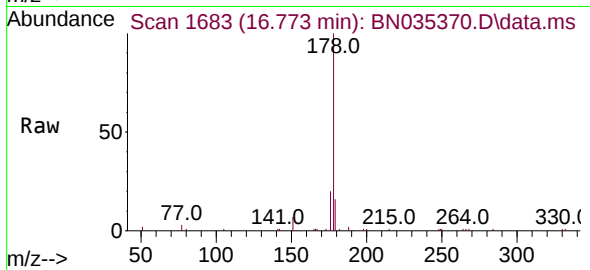
#25  
Phenanthrene  
Concen: 0.438 ng  
RT: 16.773 min Scan# 1683  
Delta R.T. 0.000 min  
Lab File: BN035370.D  
Acq: 28 Nov 2024 06:03

Instrument :  
BNA\_N  
ClientSampleId :  
PB165198BS

Tgt Ion:178 Resp: 1108  
Ion Ratio Lower Upper  
178 100  
176 19.4 15.4 23.2  
179 15.5 12.3 18.5

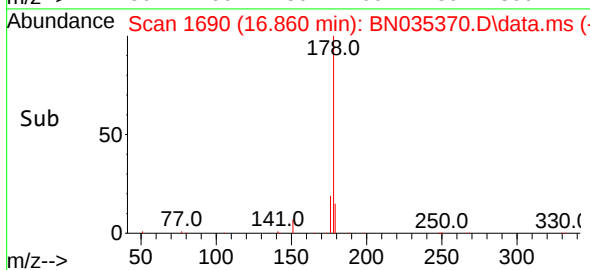
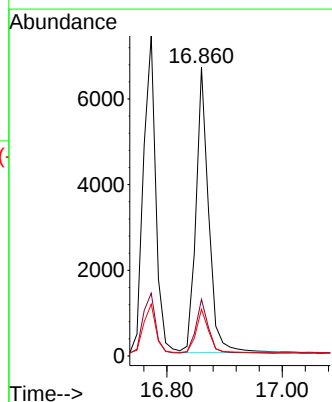
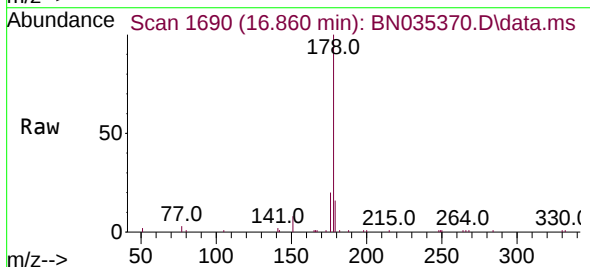
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 11/29/2024  
Supervised By :mohammad ahmed 11/29/2024



#26  
Anthracene  
Concen: 0.444 ng  
RT: 16.860 min Scan# 1690  
Delta R.T. 0.000 min  
Lab File: BN035370.D  
Acq: 28 Nov 2024 06:03

Tgt Ion:178 Resp: 10144  
Ion Ratio Lower Upper  
178 100  
176 18.8 15.0 22.6  
179 15.3 12.6 18.8





#27  
Fluoranthene-d10  
Concen: 0.459 ng  
RT: 18.785 min Scan# 1882  
Delta R.T. 0.000 min  
Lab File: BN035370.D  
Acq: 28 Nov 2024 06:03

Instrument :

BNA\_N

ClientSampleId :

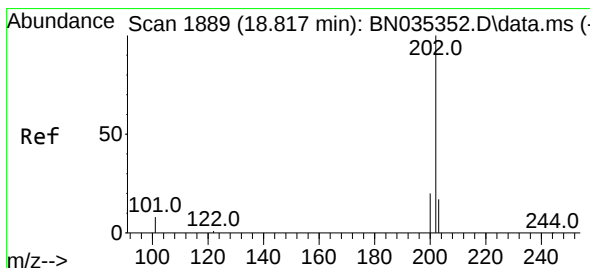
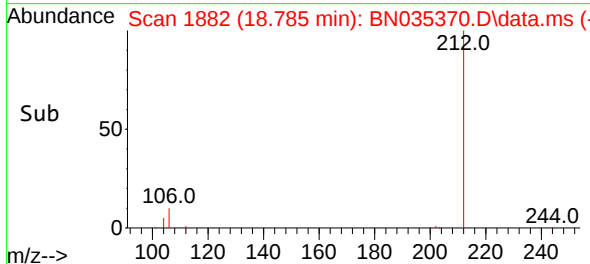
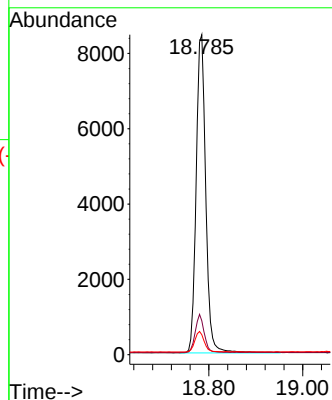
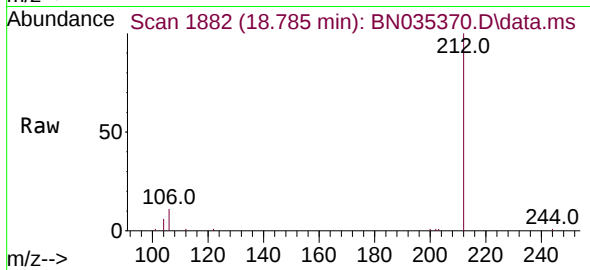
PB165198BS

Tgt Ion:212 Resp: 11970  
Ion Ratio Lower Upper  
212 100  
106 11.2 9.2 13.8  
104 6.3 5.3 7.9

Manual Integrations

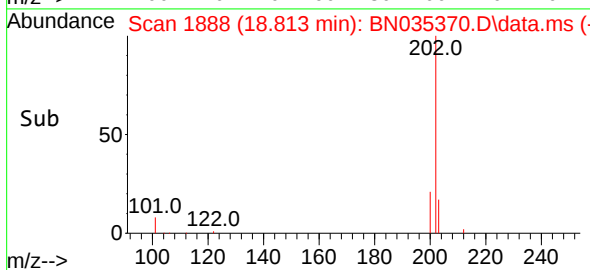
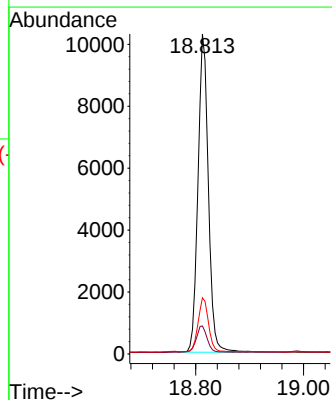
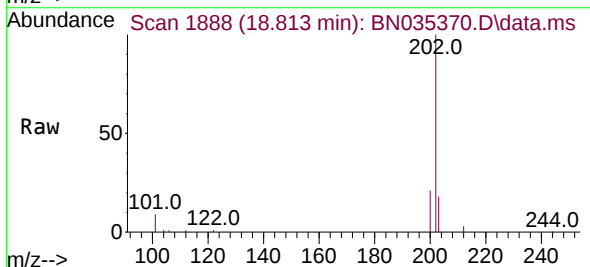
APPROVED

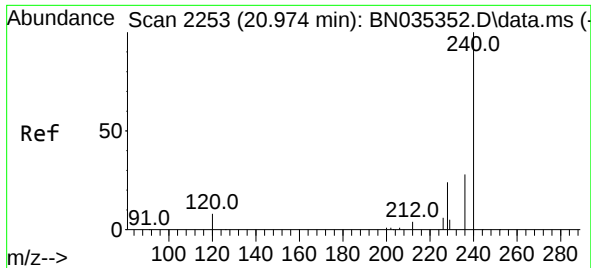
Reviewed By :Yogesh Patel 11/29/2024  
Supervised By :mohammad ahmed 11/29/2024



#28  
Fluoranthene  
Concen: 0.402 ng  
RT: 18.813 min Scan# 1888  
Delta R.T. -0.005 min  
Lab File: BN035370.D  
Acq: 28 Nov 2024 06:03

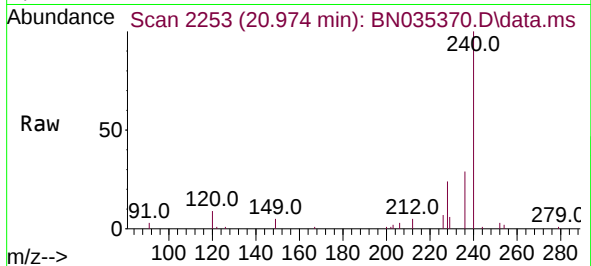
Tgt Ion:202 Resp: 13705  
Ion Ratio Lower Upper  
202 100  
101 8.9 7.4 11.0  
203 17.0 13.7 20.5





#29  
Chrysene-d12  
Concen: 0.400 ng  
RT: 20.974 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: BN035370.D  
Acq: 28 Nov 2024 06:03

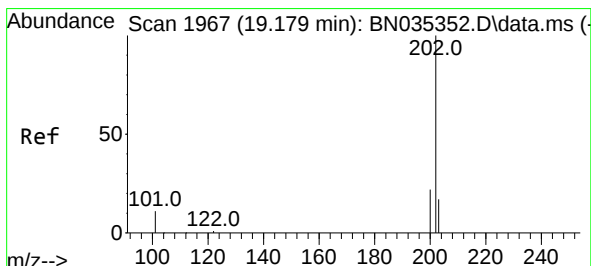
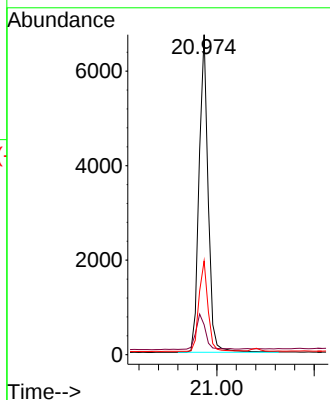
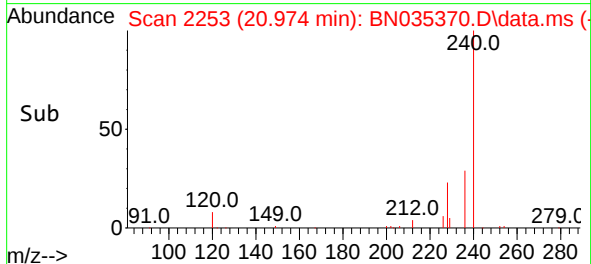
Instrument :  
BNA\_N  
ClientSampleId :  
PB165198BS



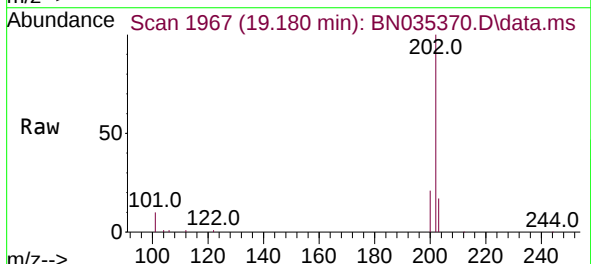
Tgt Ion:240 Resp: 8660  
Ion Ratio Lower Upper  
240 100  
120 9.4 7.9 11.9  
236 29.3 22.9 34.3

Manual Integrations  
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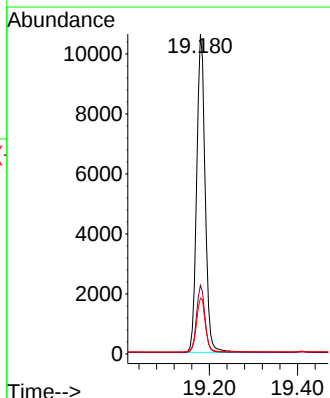
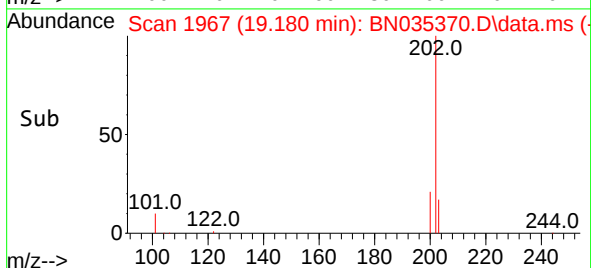
Reviewed By :Yogesh Patel 11/29/2024  
Supervised By :mohammad ahmed 11/29/2024



#30  
Pyrene  
Concen: 0.444 ng  
RT: 19.180 min Scan# 1967  
Delta R.T. 0.000 min  
Lab File: BN035370.D  
Acq: 28 Nov 2024 06:03



Tgt Ion:202 Resp: 14204  
Ion Ratio Lower Upper  
202 100  
200 21.1 17.0 25.4  
203 17.5 14.3 21.5





#31  
 Terphenyl-d14  
 Concen: 0.521 ng  
 RT: 19.412 min Scan# 2017  
 Delta R.T. 0.000 min  
 Lab File: BN035370.D  
 Acq: 28 Nov 2024 06:03

Instrument :

BNA\_N

ClientSampleId :

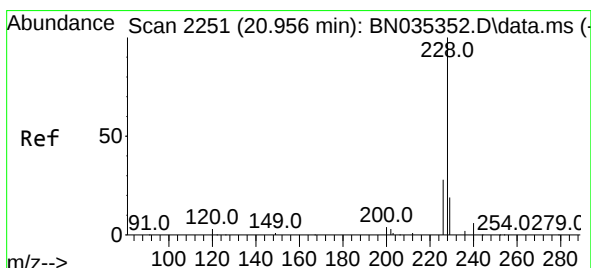
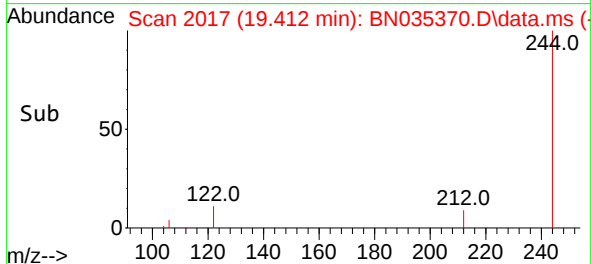
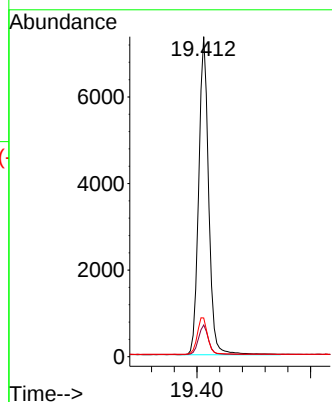
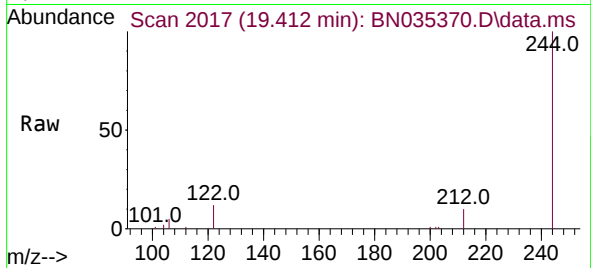
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Tgt Ion:244 Resp: 891  
 Ion Ratio Lower Upper  
 244 100  
 212 9.9 8.1 12.1  
 122 12.1 10.3 15.5

Manual Integrations

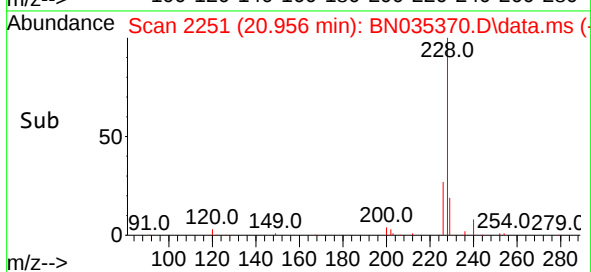
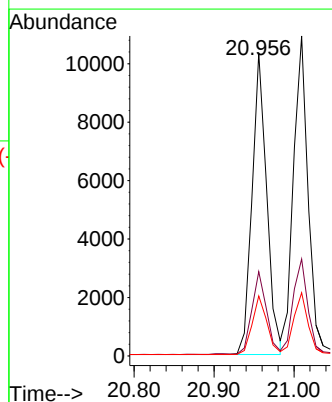
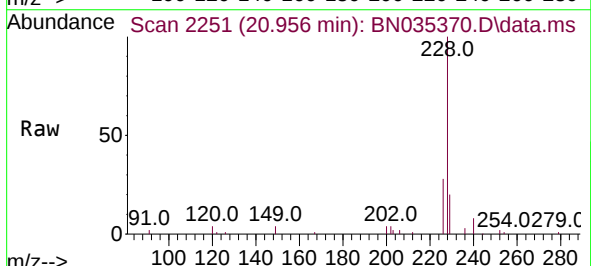
APPROVED

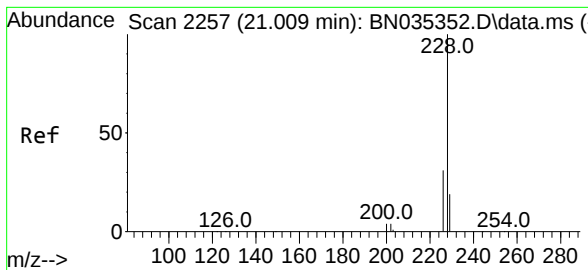
Reviewed By :Yogesh Patel 11/29/2024  
 Supervised By :mohammad ahmed 11/29/2024



#32  
 Benzo(a)anthracene  
 Concen: 0.433 ng  
 RT: 20.956 min Scan# 2251  
 Delta R.T. 0.000 min  
 Lab File: BN035370.D  
 Acq: 28 Nov 2024 06:03

Tgt Ion:228 Resp: 13138  
 Ion Ratio Lower Upper  
 228 100  
 226 27.8 22.5 33.7  
 229 19.8 15.8 23.8





#33

Chrysene

Concen: 0.451 ng

RT: 21.010 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN035370.D

Acq: 28 Nov 2024 06:03

Instrument :

BNA\_N

ClientSampleId :

PB165198BS

Tgt Ion:228 Resp: 1411

Ion Ratio Lower Upper

228 100

226 30.3 24.6 37.0

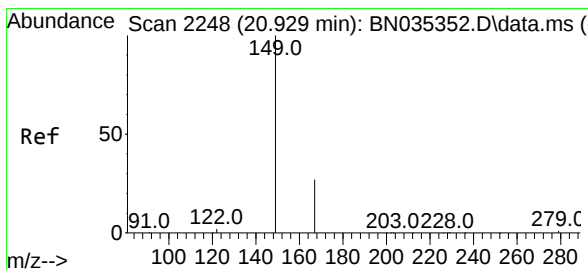
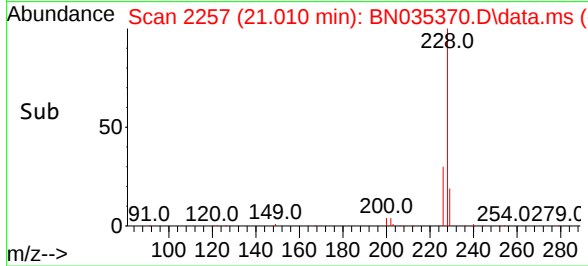
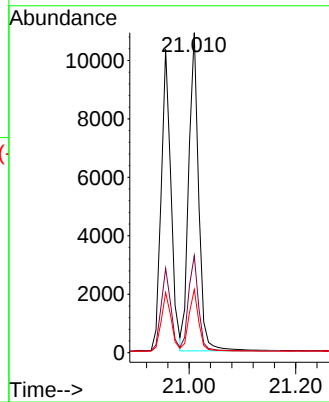
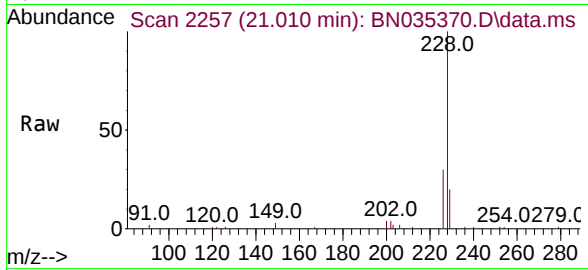
229 19.8 15.9 23.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/29/2024

Supervised By :mohammad ahmed 11/29/2024



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.410 ng

RT: 20.929 min Scan# 2248

Delta R.T. 0.000 min

Lab File: BN035370.D

Acq: 28 Nov 2024 06:03

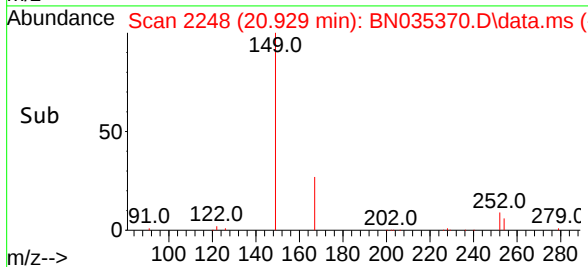
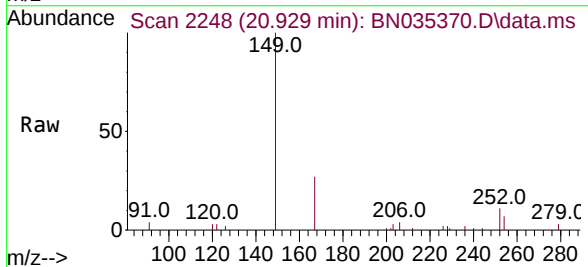
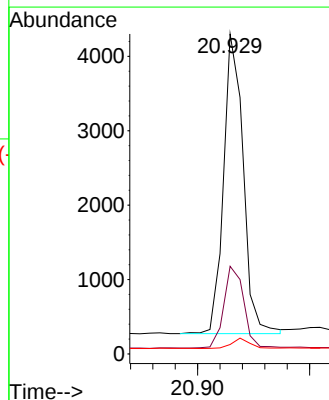
Tgt Ion:149 Resp: 4912

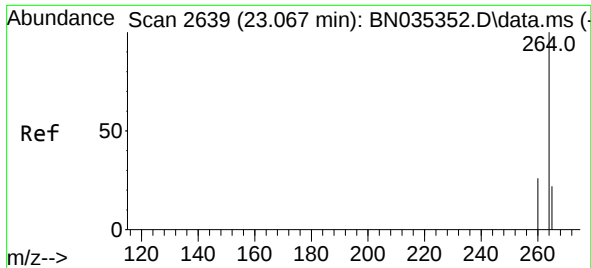
Ion Ratio Lower Upper

149 100

167 27.8 22.2 33.4

279 3.2 2.7 4.1





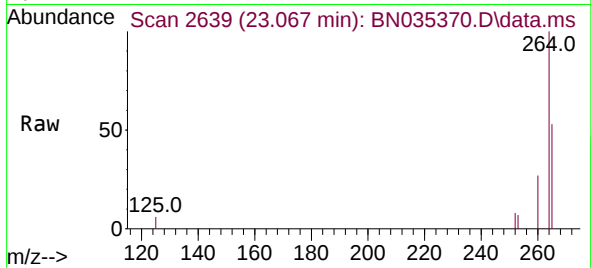
#35  
Perylene-d12  
Concen: 0.400 ng  
RT: 23.067 min Scan# 2639  
Delta R.T. 0.000 min  
Lab File: BN035370.D  
Acq: 28 Nov 2024 06:03

Instrument :

BNA\_N

ClientSampleId :

PB165198BS



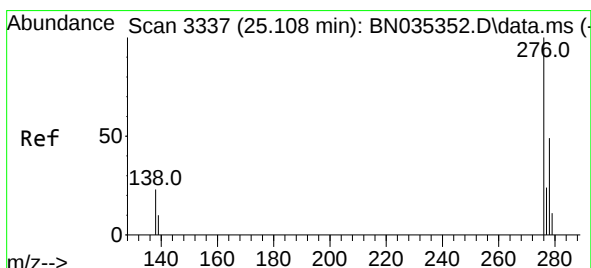
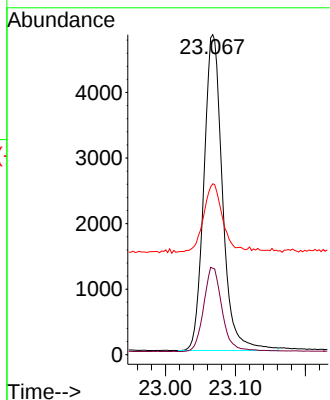
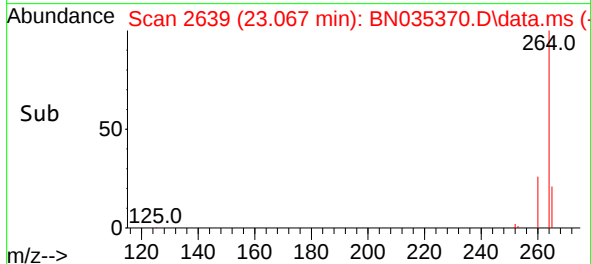
Tgt Ion:264 Resp: 8924  
Ion Ratio Lower Upper  
264 100  
260 27.0 21.4 32.2  
265 53.4 40.2 60.4

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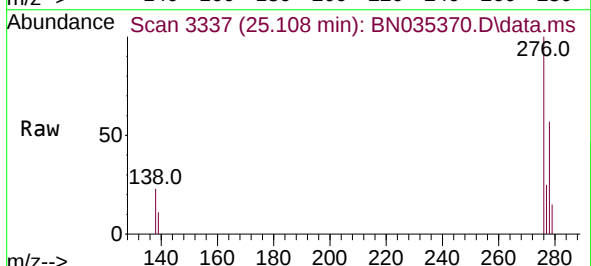
APPROVED

Reviewed By :Yogesh Patel 11/29/2024

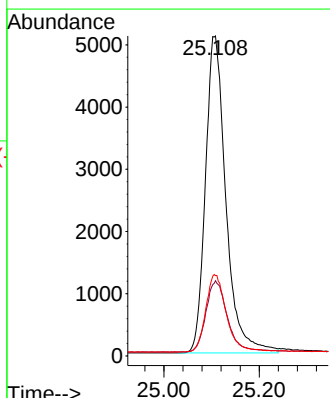
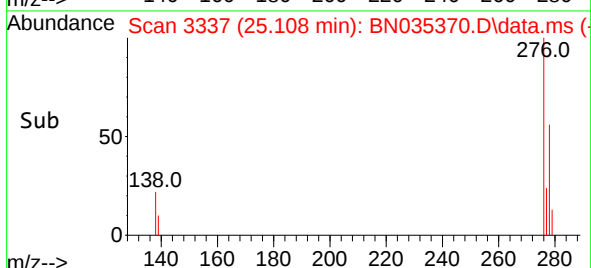
Supervised By :mohammad ahmed 11/29/2024



#36  
Indeno(1,2,3-cd)pyrene  
Concen: 0.436 ng  
RT: 25.108 min Scan# 3337  
Delta R.T. 0.000 min  
Lab File: BN035370.D  
Acq: 28 Nov 2024 06:03



Tgt Ion:276 Resp: 15213  
Ion Ratio Lower Upper  
276 100  
138 23.1 19.4 29.0  
277 24.6 19.8 29.6





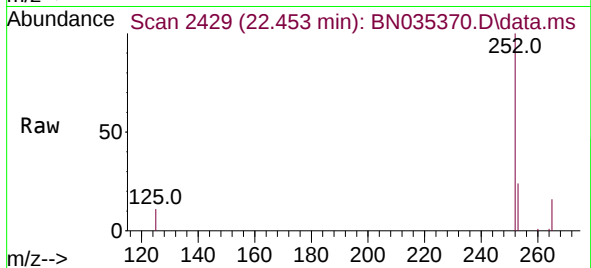
#37  
Benzo(b)fluoranthene  
Concen: 0.491 ng  
RT: 22.453 min Scan# 2429  
Delta R.T. 0.000 min  
Lab File: BN035370.D  
Acq: 28 Nov 2024 06:03

Instrument :

BNA\_N

ClientSampleId :

PB165198BS

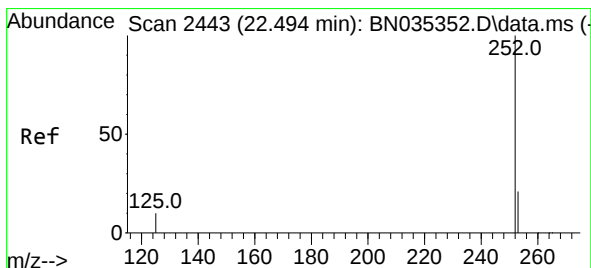
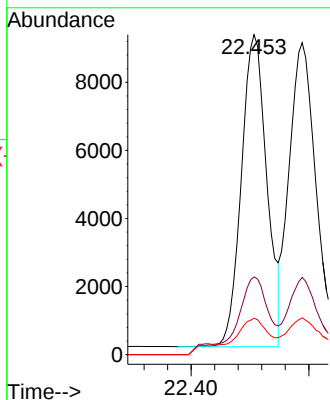
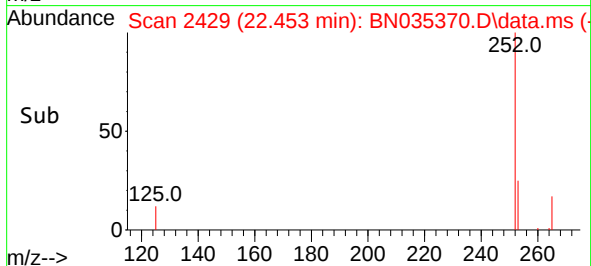


Tgt Ion:252 Resp: 16020  
Ion Ratio Lower Upper  
252 100  
253 24.3 19.6 29.4  
125 11.4 9.6 14.4

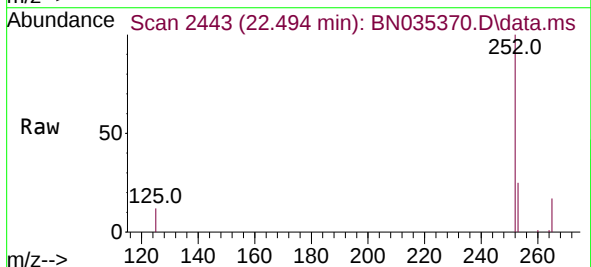
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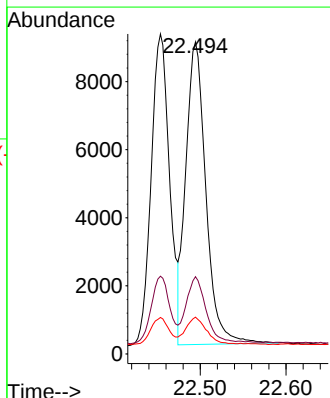
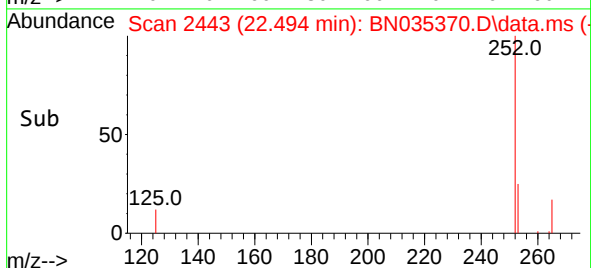
Reviewed By :Yogesh Patel 11/29/2024  
Supervised By :mohammad ahmed 11/29/2024



#38  
Benzo(k)fluoranthene  
Concen: 0.450 ng  
RT: 22.494 min Scan# 2443  
Delta R.T. 0.000 min  
Lab File: BN035370.D  
Acq: 28 Nov 2024 06:03



Tgt Ion:252 Resp: 14448  
Ion Ratio Lower Upper  
252 100  
253 24.8 19.5 29.3  
125 11.8 10.2 15.4





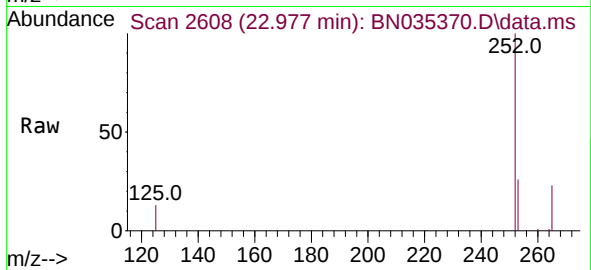
#39  
Benzo(a)pyrene  
Concen: 0.462 ng  
RT: 22.977 min Scan# 20  
Delta R.T. 0.000 min  
Lab File: BN035370.D  
Acq: 28 Nov 2024 06:03

Instrument :

BNA\_N

ClientSampleId :

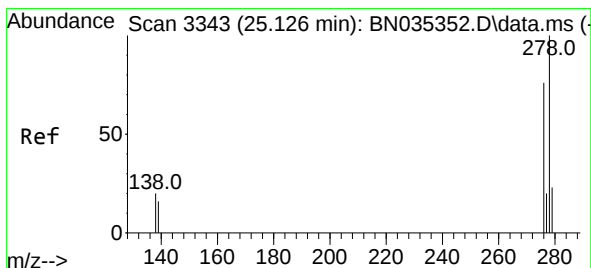
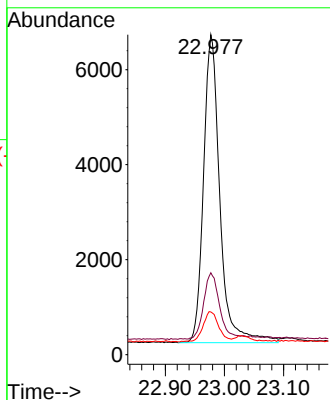
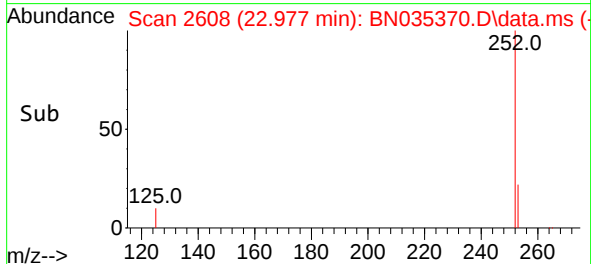
PB165198BS



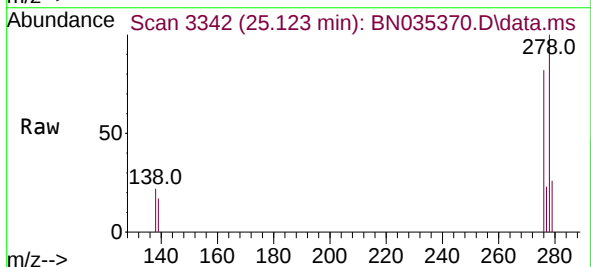
Tgt Ion:252 Resp: 12434  
Ion Ratio Lower Upper  
252 100  
253 25.6 20.2 30.4  
125 13.4 10.9 16.3

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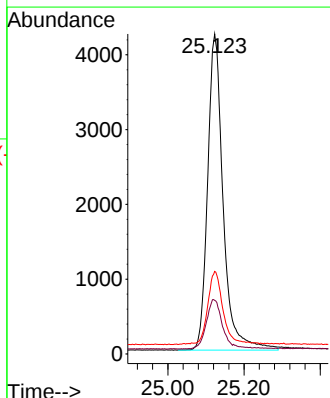
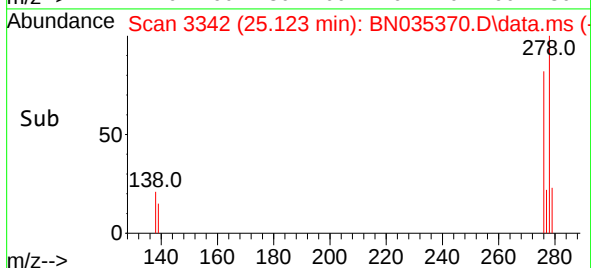
Reviewed By :Yogesh Patel 11/29/2024  
Supervised By :mohammad ahmed 11/29/2024



#40  
Dibenzo(a,h)anthracene  
Concen: 0.433 ng  
RT: 25.123 min Scan# 3342  
Delta R.T. -0.003 min  
Lab File: BN035370.D  
Acq: 28 Nov 2024 06:03



Tgt Ion:278 Resp: 11913  
Ion Ratio Lower Upper  
278 100  
139 16.8 14.2 21.4  
279 25.8 20.5 30.7





#41

Benzo(g,h,i)perylene

Concen: 0.402 ng

RT: 25.719 min Scan# 3

Delta R.T. -0.003 min

Lab File: BN035370.D

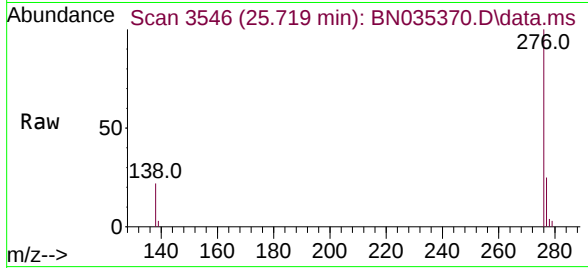
Acq: 28 Nov 2024 06:03

Instrument :

BNA\_N

ClientSampleId :

PB165198BS



Tgt Ion:276 Resp: 11550

Ion Ratio Lower Upper

276 100

277 24.7 19.9 29.9

138 22.0 17.8 26.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/29/2024

Supervised By :mohammad ahmed 11/29/2024

