

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN122624\  
 Data File : BN035854.D  
 Acq On : 26 Dec 2024 15:30  
 Operator : RC/JU  
 Sample : P5376-03DL 5X  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 RE115D2-20241218DL

Quant Time: Dec 27 00:41:35 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN112724.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Dec 19 23:06:19 2024  
 Response via : Initial Calibration

Manual Integrations  
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Reviewed By :Yogesh Patel 12/27/2024  
 Supervised By :mohammad ahmed 12/30/2024

| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.257  | 152  | 2752     | 0.400 | ng    | -0.01    |
| 7) Naphthalene-d8             | 10.009 | 136  | 6133     | 0.400 | ng    | -0.01    |
| 13) Acenaphthene-d10          | 13.924 | 164  | 4189     | 0.400 | ng    | -0.01    |
| 19) Phenanthrene-d10          | 16.698 | 188  | 9267     | 0.400 | ng    | # 0.00   |
| 29) Chrysene-d12              | 20.947 | 240  | 7345     | 0.400 | ng    | # 0.00   |
| 35) Perylene-d12              | 23.029 | 264  | 6900     | 0.400 | ng    | #-0.01   |
|                               |        |      |          |       |       |          |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 4.924  | 112  | 170      | 0.025 | ng    | -0.01    |
| 5) Phenol-d6                  | 6.477  | 99   | 80       | 0.010 | ng    | -0.01    |
| 8) Nitrobenzene-d5            | 8.418  | 82   | 392m     | 0.105 | ng    | 0.01     |
| 11) 2-Methylnaphthalene-d10   | 11.641 | 152  | 768      | 0.080 | ng    | 0.02     |
| 14) 2,4,6-Tribromophenol      | 15.464 | 330  | 143      | 0.048 | ng    | 0.01     |
| 15) 2-Fluorobiphenyl          | 12.559 | 172  | 1316     | 0.083 | ng    | 0.01     |
| 27) Fluoranthene-d10          | 18.757 | 212  | 2532     | 0.096 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.379 | 244  | 1897     | 0.131 | ng    | 0.00     |
|                               |        |      |          |       |       |          |
| Target Compounds              |        |      |          |       |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.974  | 88   | 5250     | 1.996 | ng    | 99       |
| 9) Naphthalene                | 10.052 | 128  | 468      | 0.029 | ng    | # 41     |
| 16) Acenaphthylene            | 13.636 | 152  | 389      | 0.022 | ng    | 95       |
| 17) Acenaphthene              | 13.989 | 154  | 244      | 0.021 | ng    | 96       |
| 25) Phenanthrene              | 16.748 | 178  | 675m     | 0.027 | ng    |          |
| 26) Anthracene                | 16.847 | 178  | 538m     | 0.023 | ng    |          |
| 28) Fluoranthene              | 18.784 | 202  | 749      | 0.022 | ng    | 99       |
| 30) Pyrene                    | 19.151 | 202  | 773      | 0.029 | ng    | 98       |
| 33) Chrysene                  | 20.982 | 228  | 652      | 0.025 | ng    | # 79     |
| 34) Bis(2-ethylhexyl)phtha... | 20.893 | 149  | 272      | 0.027 | ng    | # 91     |
| -----                         |        |      |          |       |       |          |

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

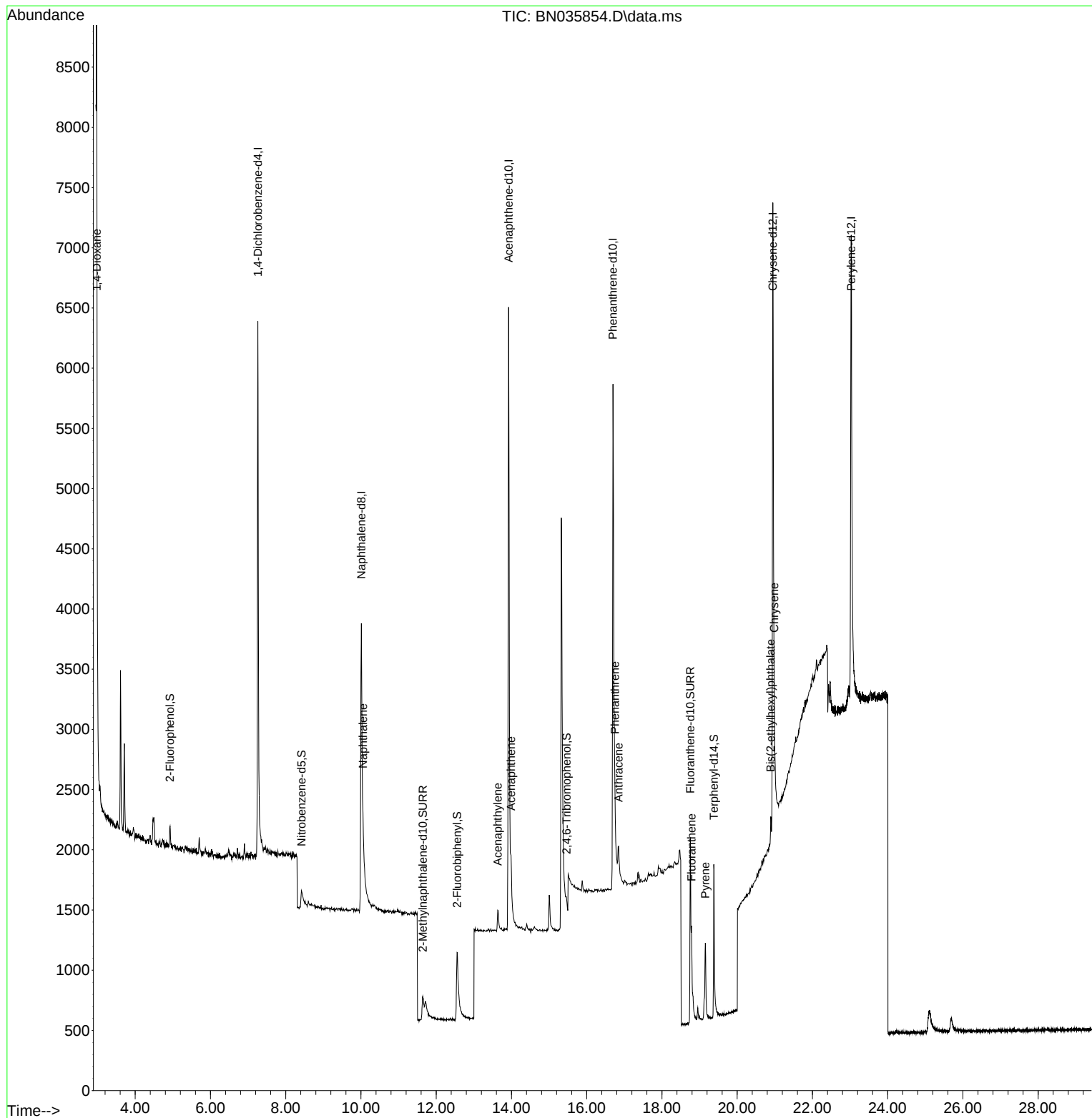
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN122624\  
Data File : BN035854.D  
Acq On : 26 Dec 2024 15:30  
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ALS Vial : 11 Sample Multiplier: 1

Instrument :  
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RE115D2-20241218DL

Quant Time: Dec 27 00:41:35 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN112724.M  
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Manual Integrations  
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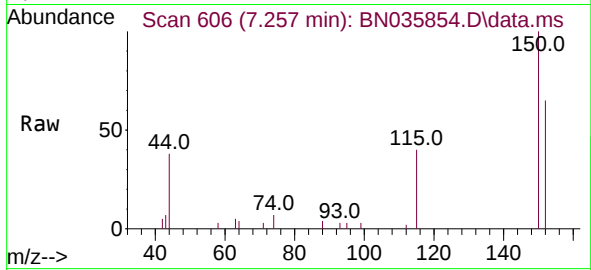
Reviewed By :Yogesh Patel 12/27/2024  
Supervised By :mohammad ahmed 12/30/2024





#1  
 1,4-Dichlorobenzene-d4  
 Concen: 0.400 ng  
 RT: 7.257 min Scan# 60  
 Delta R.T. -0.015 min  
 Lab File: BN035854.D  
 Acq: 26 Dec 2024 15:30

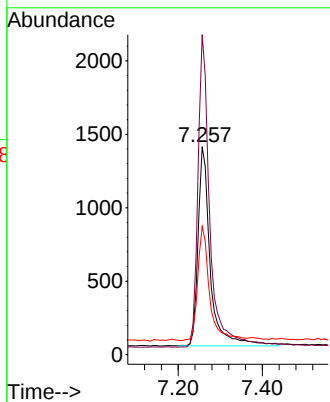
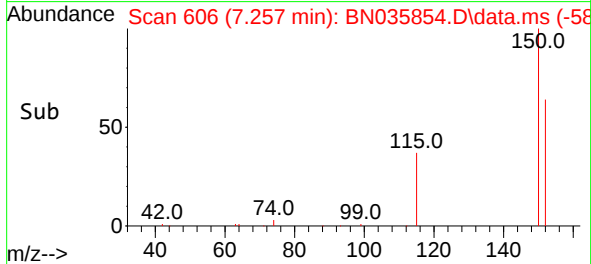
Instrument :  
 BNA\_N  
 ClientSampleId :  
 RE115D2-20241218DL



Tgt Ion:152 Resp: 2752  
 Ion Ratio Lower Upper  
 152 100  
 150 153.8 124.0 186.0  
 115 61.7 49.6 74.4

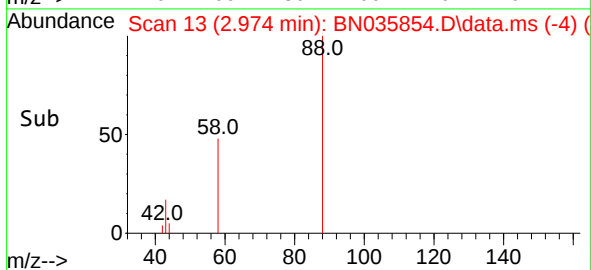
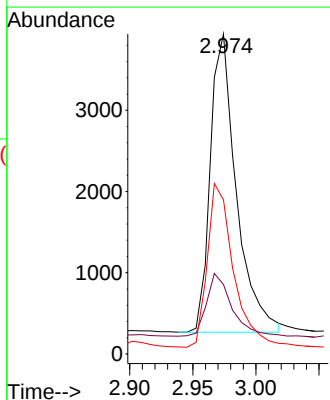
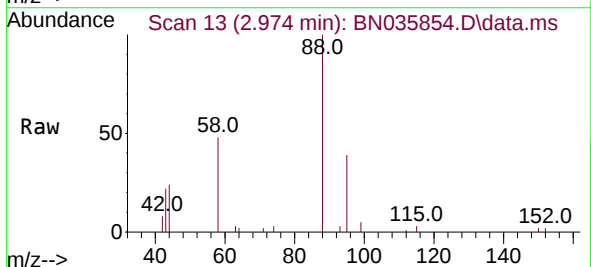
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#2  
 1,4-Dioxane  
 Concen: 1.996 ng  
 RT: 2.974 min Scan# 13  
 Delta R.T. -0.008 min  
 Lab File: BN035854.D  
 Acq: 26 Dec 2024 15:30

Tgt Ion: 88 Resp: 5250  
 Ion Ratio Lower Upper  
 88 100  
 43 20.5 17.2 25.8  
 58 54.9 44.5 66.7





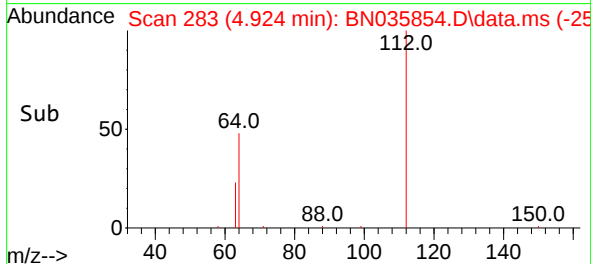
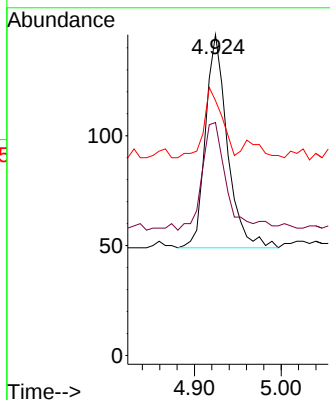
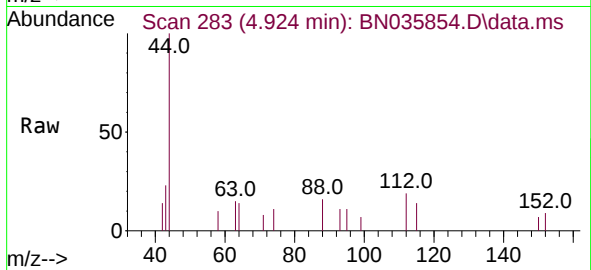
#4  
2-Fluorophenol  
Concen: 0.025 ng  
RT: 4.924 min Scan# 21  
Delta R.T. -0.015 min  
Lab File: BN035854.D  
Acq: 26 Dec 2024 15:30

Instrument :  
BNA\_N  
ClientSampleId :  
RE115D2-20241218DL

Tgt Ion:112 Resp: 170  
Ion Ratio Lower Upper  
112 100  
64 53.5 39.8 59.8  
63 31.8 21.0 31.6

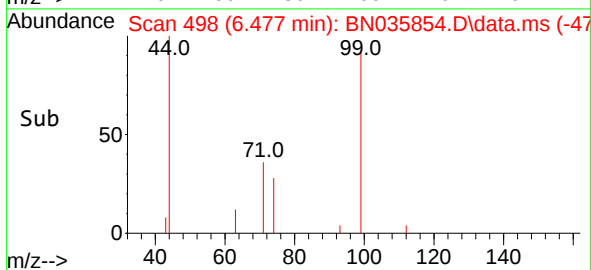
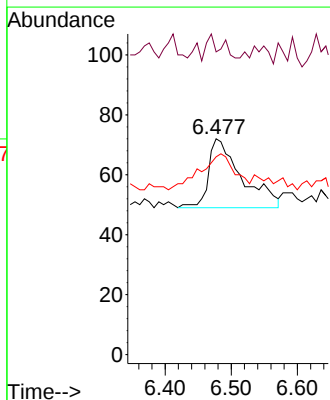
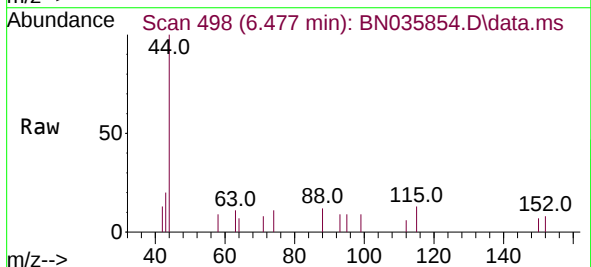
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#5  
Phenol-d6  
Concen: 0.010 ng  
RT: 6.477 min Scan# 498  
Delta R.T. -0.015 min  
Lab File: BN035854.D  
Acq: 26 Dec 2024 15:30

Tgt Ion: 99 Resp: 80  
Ion Ratio Lower Upper  
99 100  
42 12.5 11.4 17.2  
71 53.8 29.3 43.9





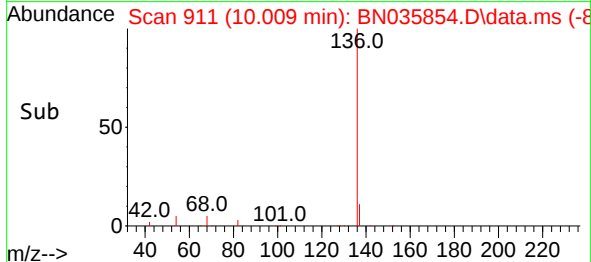
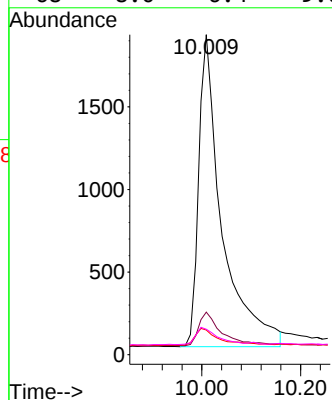
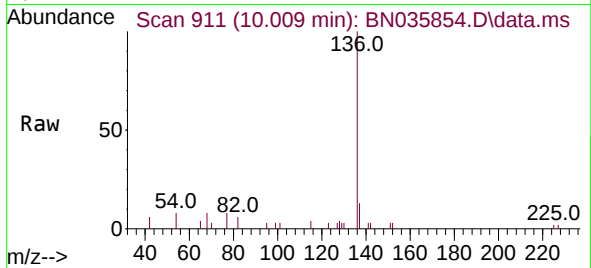
#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.009 min Scan# 915  
Delta R.T. -0.011 min  
Lab File: BN035854.D  
Acq: 26 Dec 2024 15:30

Instrument :  
BNA\_N  
ClientSampleId :  
RE115D2-20241218DL

Tgt Ion:136 Resp: 613  
Ion Ratio Lower Upper  
136 100  
137 13.3 10.2 15.2  
54 7.7 6.1 9.1  
68 8.0 6.4 9.6

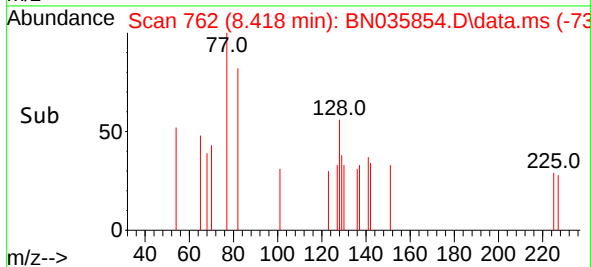
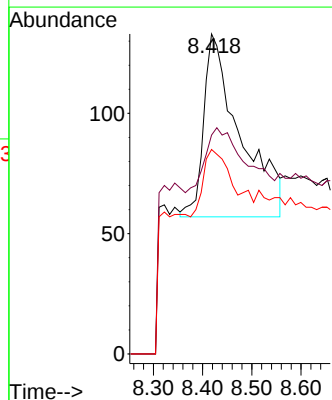
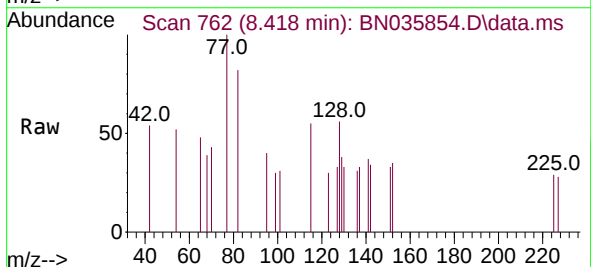
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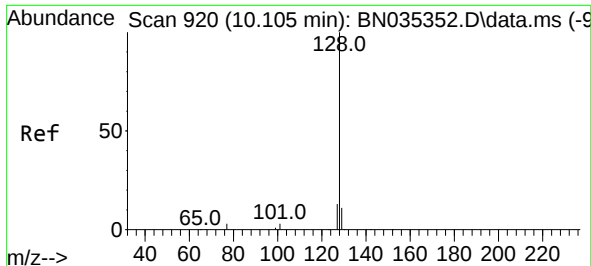
Reviewed By :Yogesh Patel 12/27/2024  
Supervised By :mohammad ahmed 12/30/2024



#8  
Nitrobenzene-d5  
Concen: 0.105 ng m  
RT: 8.418 min Scan# 762  
Delta R.T. 0.010 min  
Lab File: BN035854.D  
Acq: 26 Dec 2024 15:30

Tgt Ion: 82 Resp: 392  
Ion Ratio Lower Upper  
82 100  
128 68.4 33.4 50.0#  
54 63.9 36.7 55.1#





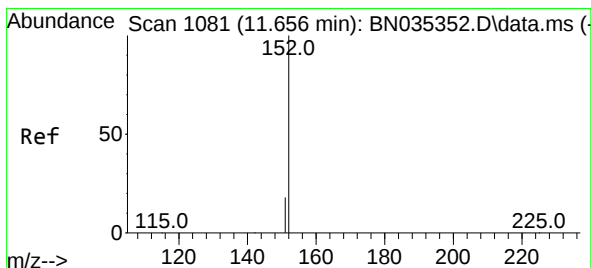
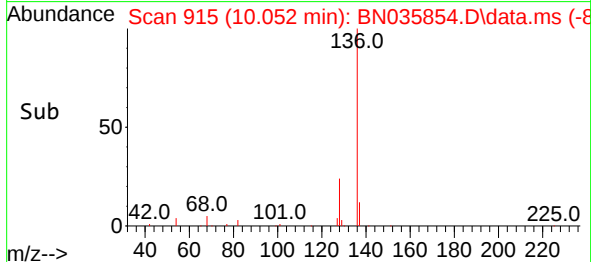
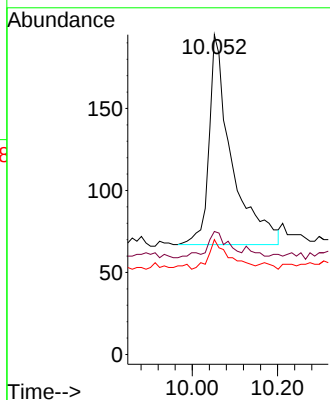
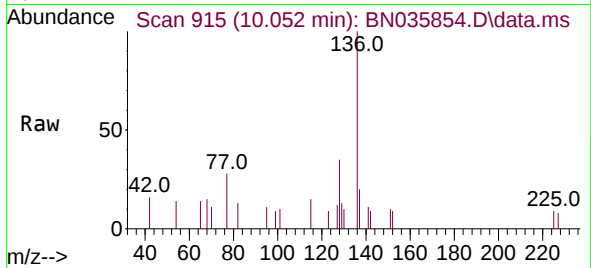
#9  
Naphthalene  
Concen: 0.029 ng  
RT: 10.052 min Scan# 915  
Delta R.T. -0.011 min  
Lab File: BN035854.D  
Acq: 26 Dec 2024 15:30

Instrument :  
BNA\_N  
ClientSampleId :  
RE115D2-20241218DL

Tgt Ion:128 Resp: 468  
Ion Ratio Lower Upper  
128 100  
129 38.5 9.8 14.6  
127 35.9 11.4 17.2

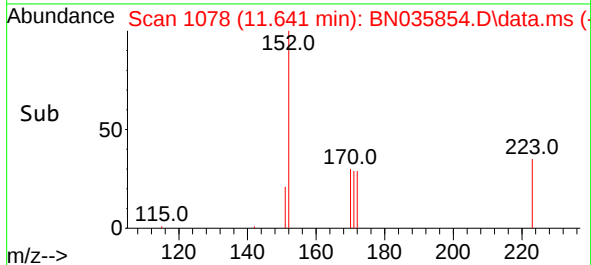
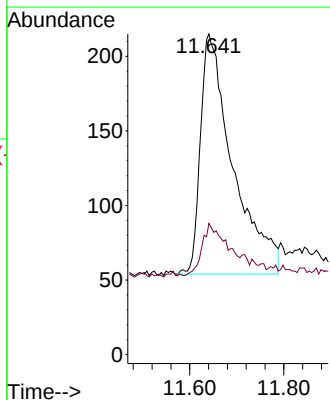
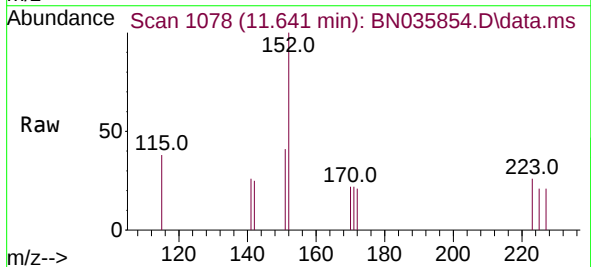
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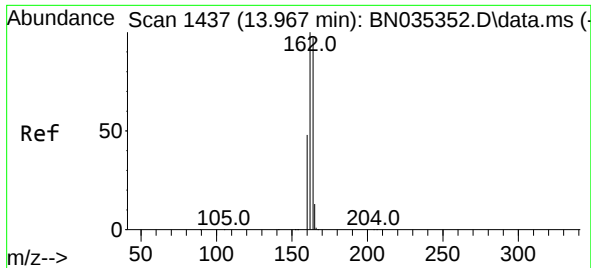
Reviewed By :Yogesh Patel 12/27/2024  
Supervised By :mohammad ahmed 12/30/2024



#11  
2-Methylnaphthalene-d10  
Concen: 0.080 ng  
RT: 11.641 min Scan# 1078  
Delta R.T. 0.020 min  
Lab File: BN035854.D  
Acq: 26 Dec 2024 15:30

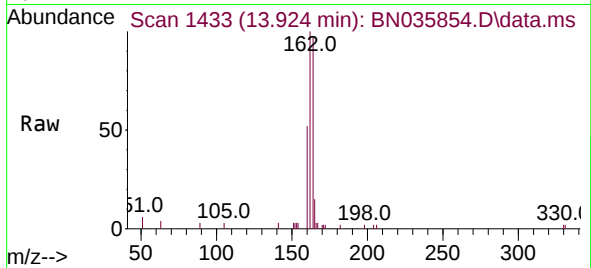
Tgt Ion:152 Resp: 768  
Ion Ratio Lower Upper  
152 100  
151 16.5 16.6 25.0





#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 13.924 min Scan# 1433  
Delta R.T. -0.011 min  
Lab File: BN035854.D  
Acq: 26 Dec 2024 15:30

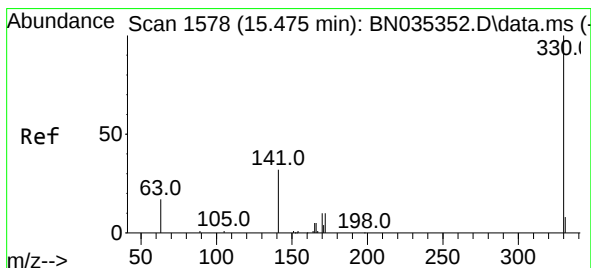
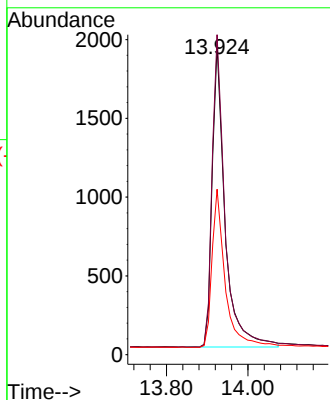
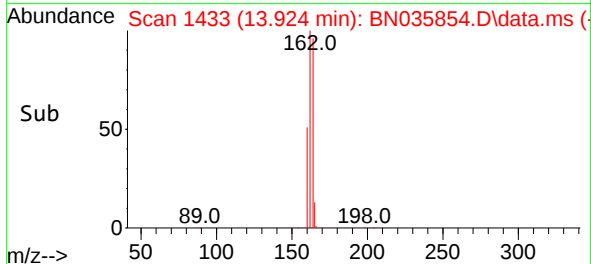
Instrument :  
BNA\_N  
ClientSampleId :  
RE115D2-20241218DL



Tgt Ion:164 Resp: 4189  
Ion Ratio Lower Upper  
164 100  
162 103.5 82.2 123.2  
160 53.5 40.1 60.1

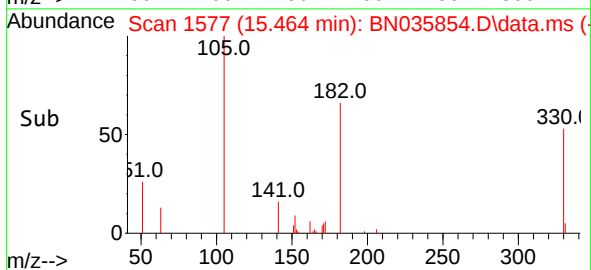
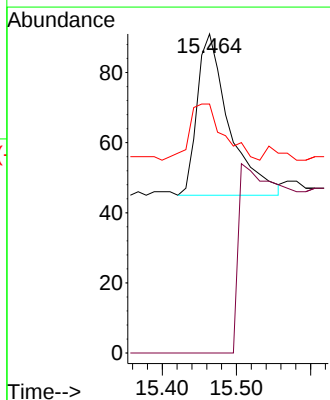
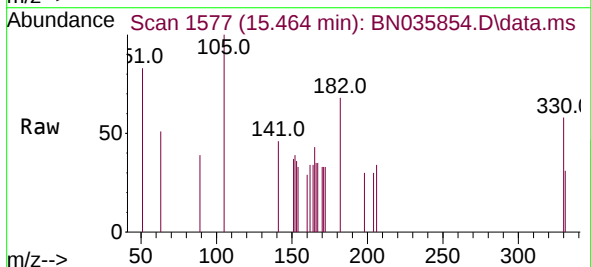
Manual Integrations  
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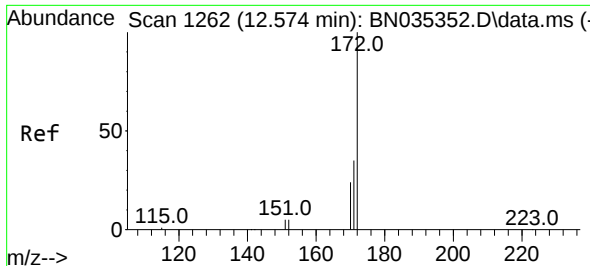
Reviewed By :Yogesh Patel 12/27/2024  
Supervised By :mohammad ahmed 12/30/2024



#14  
2,4,6-Tribromophenol  
Concen: 0.048 ng  
RT: 15.464 min Scan# 1577  
Delta R.T. 0.010 min  
Lab File: BN035854.D  
Acq: 26 Dec 2024 15:30

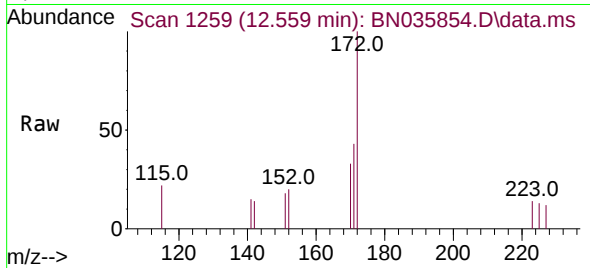
Tgt Ion:330 Resp: 143  
Ion Ratio Lower Upper  
330 100  
332 0.0 0.0 0.0  
141 38.5 26.6 40.0





#15  
2-Fluorobiphenyl  
Concen: 0.083 ng  
RT: 12.559 min Scan# 11  
Delta R.T. 0.015 min  
Lab File: BN035854.D  
Acq: 26 Dec 2024 15:30

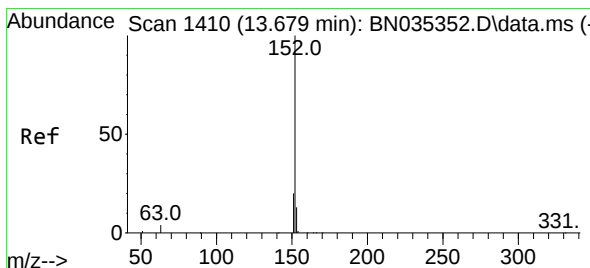
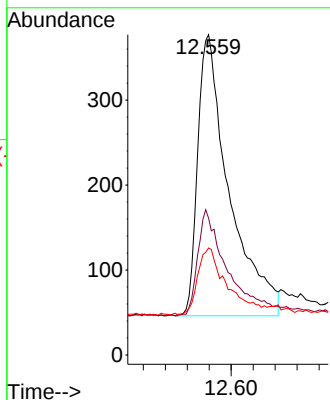
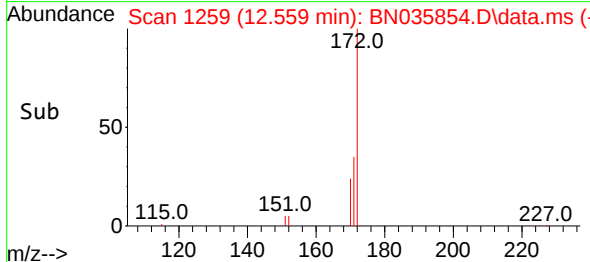
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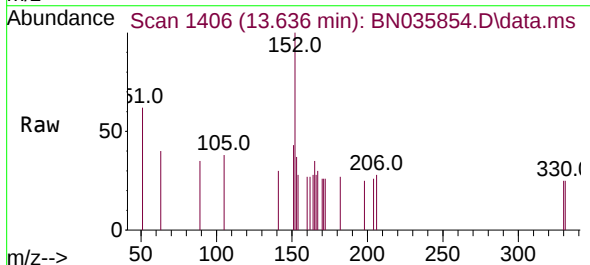
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170 33.4 19.8 29.8

Manual Integrations  
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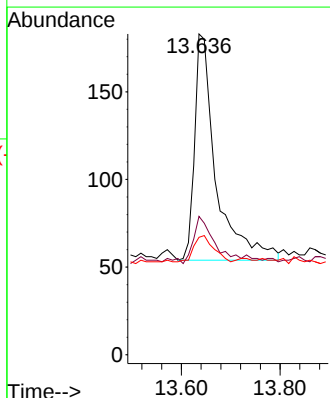
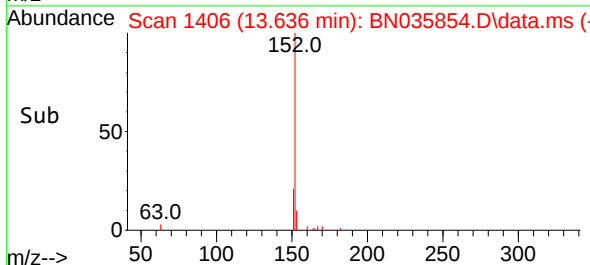
Reviewed By :Yogesh Patel 12/27/2024  
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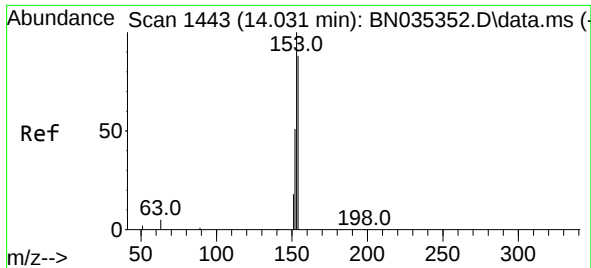


#16  
Acenaphthylene  
Concen: 0.022 ng  
RT: 13.636 min Scan# 1406  
Delta R.T. -0.011 min  
Lab File: BN035854.D  
Acq: 26 Dec 2024 15:30



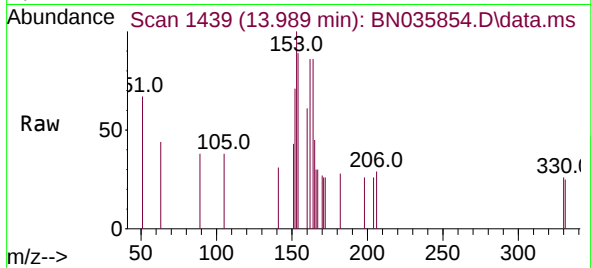
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Ion Ratio Lower Upper  
152 100  
151 22.4 16.2 24.2  
153 10.5 10.4 15.6





#17  
Acenaphthene  
Concen: 0.021 ng  
RT: 13.989 min Scan# 1443  
Delta R.T. -0.011 min  
Lab File: BN035854.D  
Acq: 26 Dec 2024 15:30

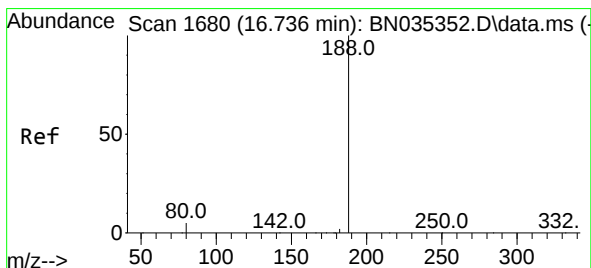
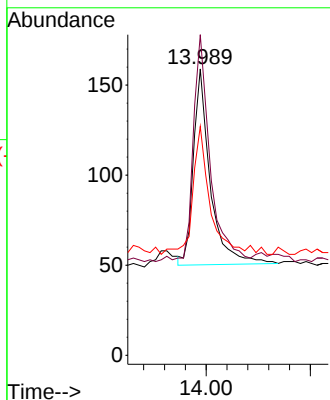
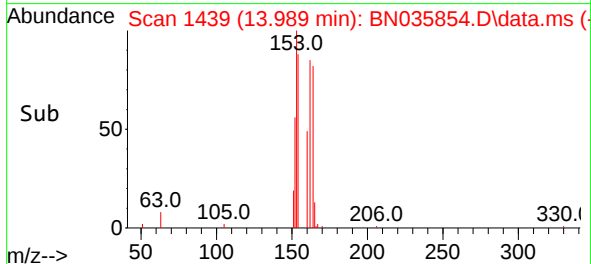
Instrument :  
BNA\_N  
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RE115D2-20241218DL



Tgt Ion:154 Resp: 244  
Ion Ratio Lower Upper  
154 100  
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152 65.2 49.0 73.6

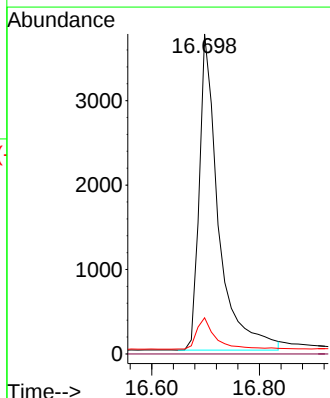
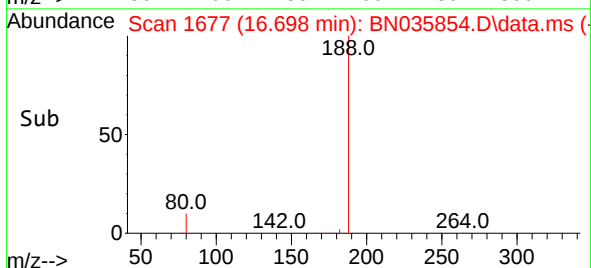
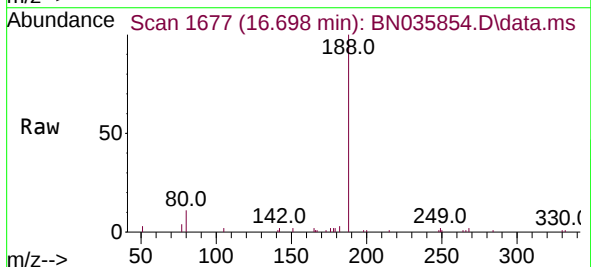
Manual Integrations  
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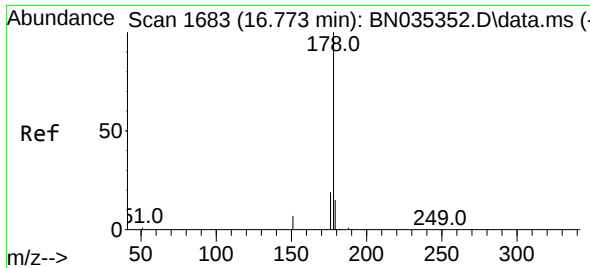
Reviewed By :Yogesh Patel 12/27/2024  
Supervised By :mohammad ahmed 12/30/2024



#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 16.698 min Scan# 1677  
Delta R.T. -0.000 min  
Lab File: BN035854.D  
Acq: 26 Dec 2024 15:30

Tgt Ion:188 Resp: 9267  
Ion Ratio Lower Upper  
188 100  
94 0.0 0.0 0.0  
80 11.3 4.6 6.8#





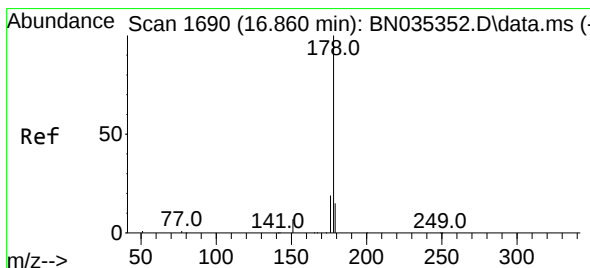
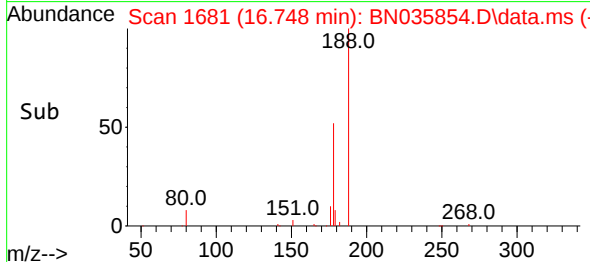
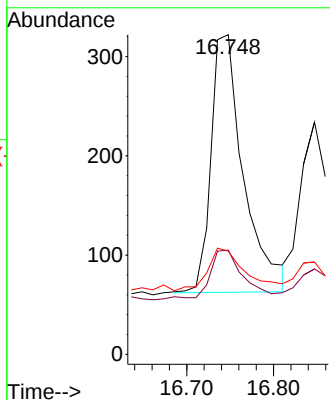
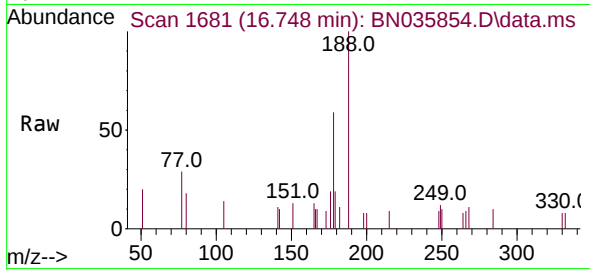
#25  
Phenanthrene  
Concen: 0.027 ng m  
RT: 16.748 min Scan# 1681  
Delta R.T. -0.000 min  
Lab File: BN035854.D  
Acq: 26 Dec 2024 15:30

Instrument :  
BNA\_N  
ClientSampleId :  
RE115D2-20241218DL

Tgt Ion:178 Resp: 679  
Ion Ratio Lower Upper  
178 100  
176 9.8 15.4 23.2#  
179 8.4 12.3 18.5#

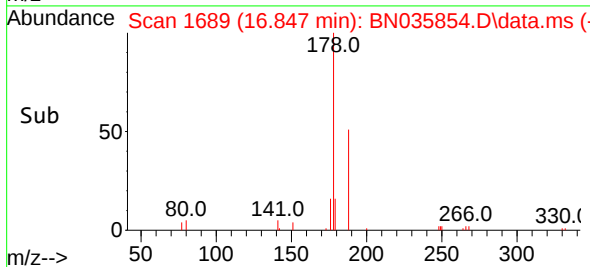
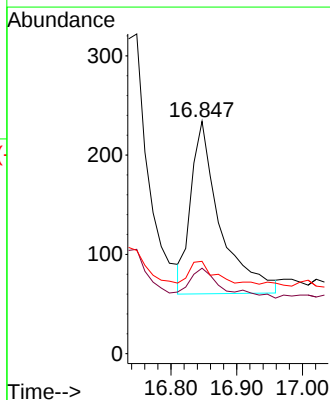
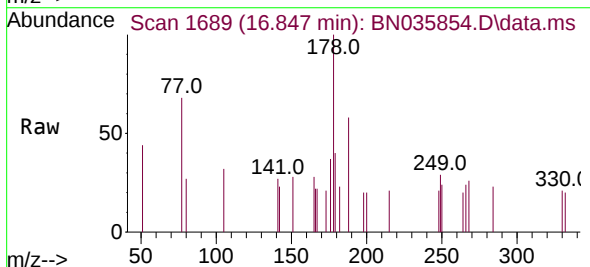
Manual Integrations  
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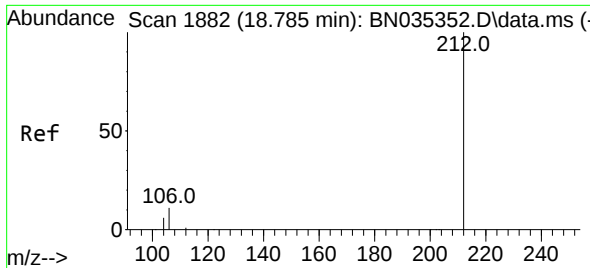
Reviewed By :Yogesh Patel 12/27/2024  
Supervised By :mohammad ahmed 12/30/2024



#26  
Anthracene  
Concen: 0.023 ng m  
RT: 16.847 min Scan# 1689  
Delta R.T. 0.012 min  
Lab File: BN035854.D  
Acq: 26 Dec 2024 15:30

Tgt Ion:178 Resp: 538  
Ion Ratio Lower Upper  
178 100  
176 25.5 15.0 22.6#  
179 24.2 12.6 18.8#





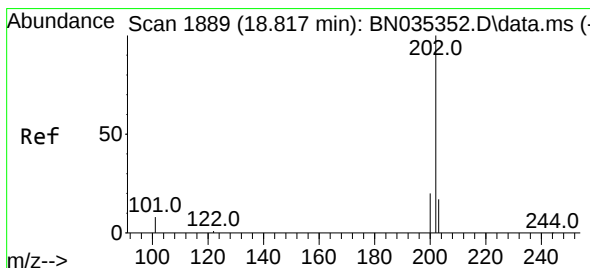
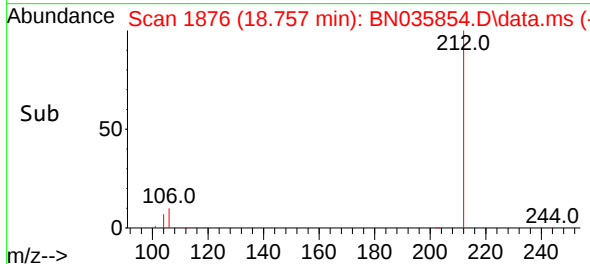
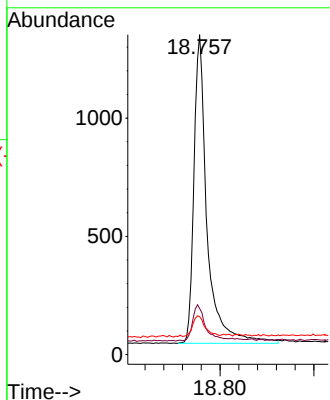
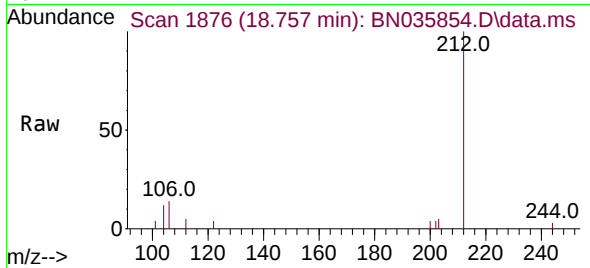
#27  
Fluoranthene-d10  
Concen: 0.096 ng  
RT: 18.757 min Scan# 1876  
Delta R.T. -0.005 min  
Lab File: BN035854.D  
Acq: 26 Dec 2024 15:30

Instrument :  
BNA\_N  
ClientSampleId :  
RE115D2-20241218DL

Tgt Ion:212 Resp: 253  
Ion Ratio Lower Upper  
212 100  
106 11.8 9.2 13.8  
104 6.4 5.3 7.9

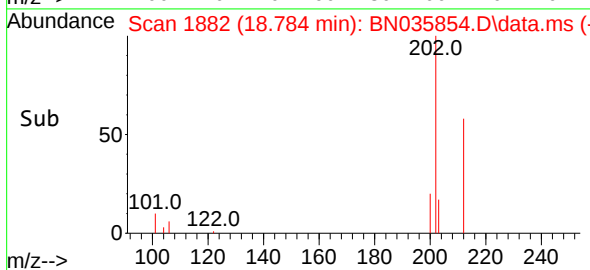
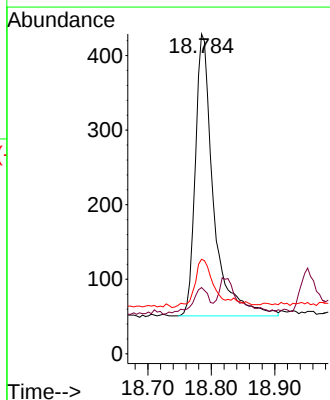
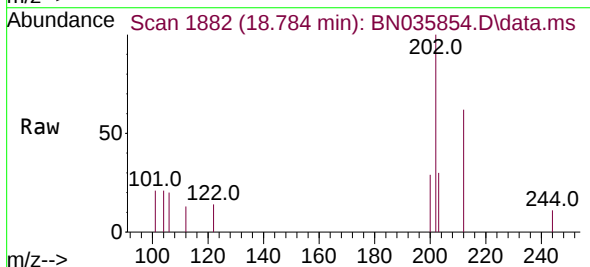
Manual Integrations  
APPROVED

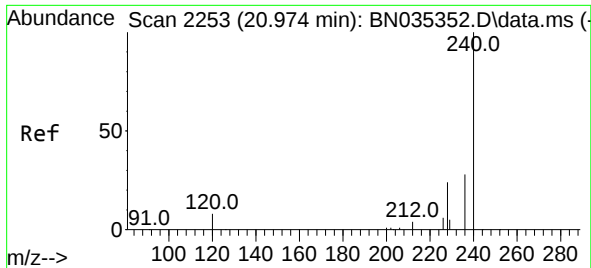
Reviewed By :Yogesh Patel 12/27/2024  
Supervised By :mohammad ahmed 12/30/2024



#28  
Fluoranthene  
Concen: 0.022 ng  
RT: 18.784 min Scan# 1882  
Delta R.T. -0.005 min  
Lab File: BN035854.D  
Acq: 26 Dec 2024 15:30

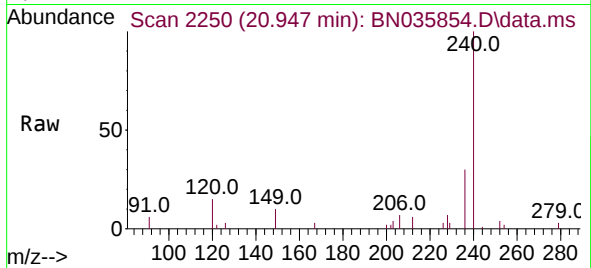
Tgt Ion:202 Resp: 749  
Ion Ratio Lower Upper  
202 100  
101 8.4 7.4 11.0  
203 17.1 13.7 20.5





#29  
Chrysene-d12  
Concen: 0.400 ng  
RT: 20.947 min Scan# 21  
Delta R.T. -0.009 min  
Lab File: BN035854.D  
Acq: 26 Dec 2024 15:30

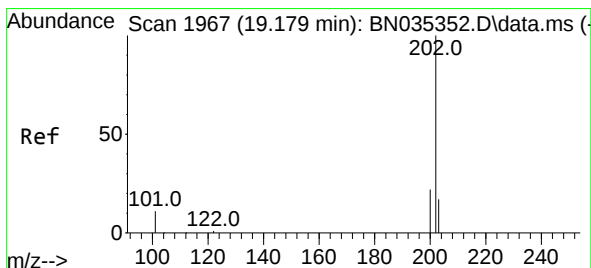
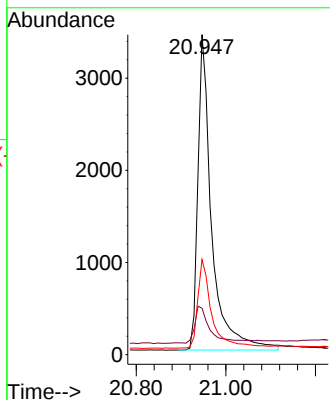
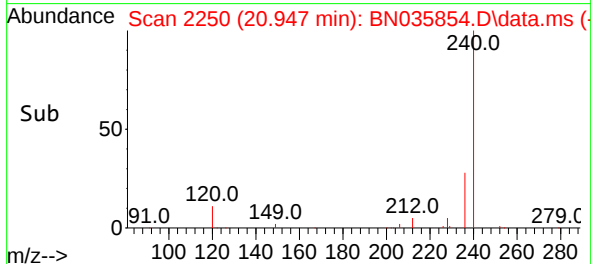
Instrument :  
BNA\_N  
ClientSampleId :  
RE115D2-20241218DL



Tgt Ion:240 Resp: 734  
Ion Ratio Lower Upper  
240 100  
120 14.5 7.9 11.9  
236 29.8 22.9 34.3

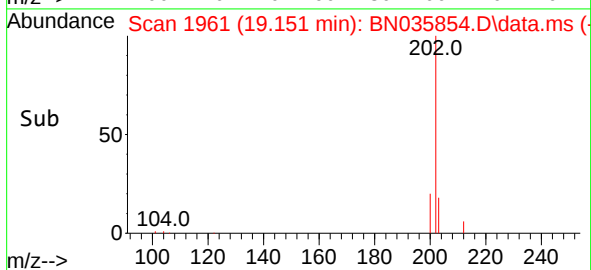
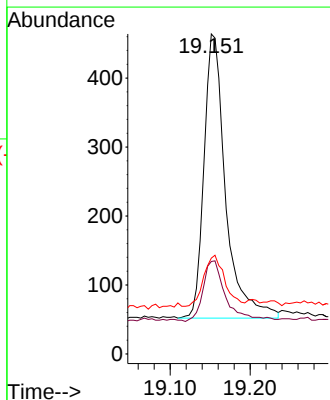
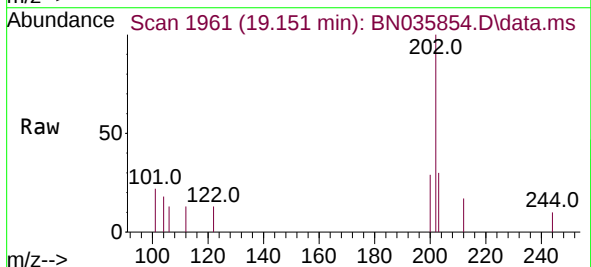
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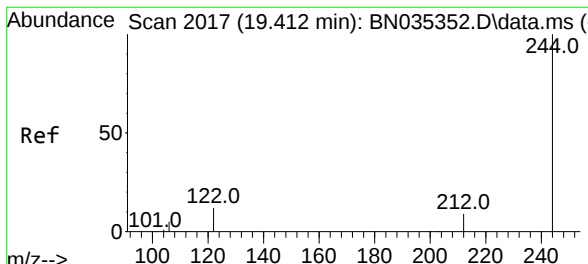
Reviewed By :Yogesh Patel 12/27/2024  
Supervised By :mohammad ahmed 12/30/2024



#30  
Pyrene  
Concen: 0.029 ng  
RT: 19.151 min Scan# 1961  
Delta R.T. -0.010 min  
Lab File: BN035854.D  
Acq: 26 Dec 2024 15:30

Tgt Ion:202 Resp: 773  
Ion Ratio Lower Upper  
202 100  
200 22.8 17.0 25.4  
203 17.5 14.3 21.5



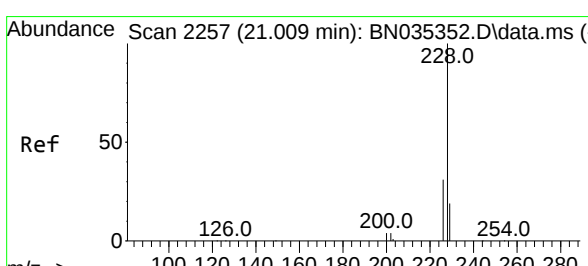
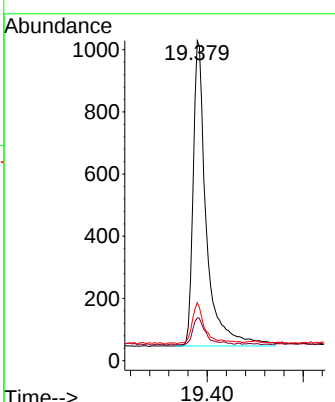
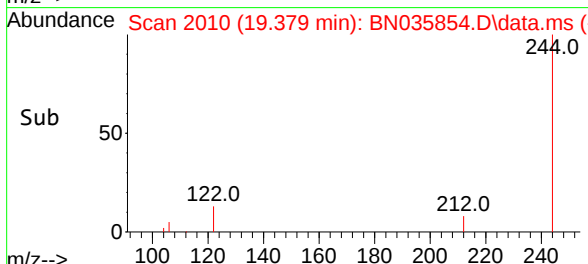
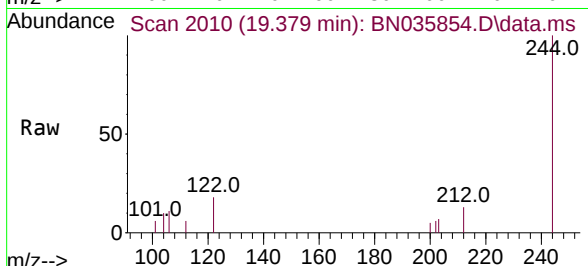


#31  
 Terphenyl-d14  
 Concen: 0.131 ng  
 RT: 19.379 min Scan# 2010  
 Delta R.T. -0.010 min  
 Lab File: BN035854.D  
 Acq: 26 Dec 2024 15:30

Instrument : BNA\_N  
 ClientSampleId : RE115D2-20241218DL

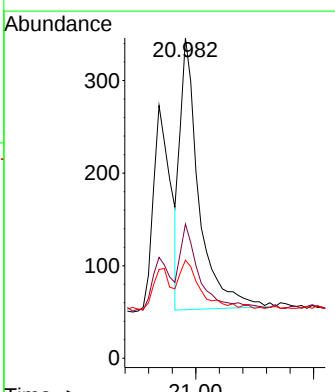
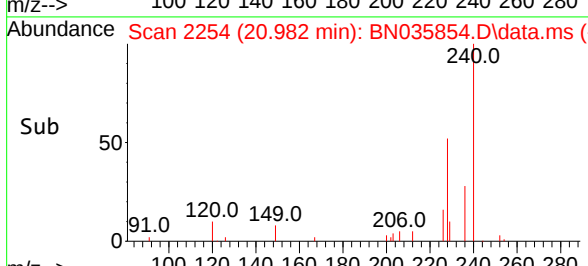
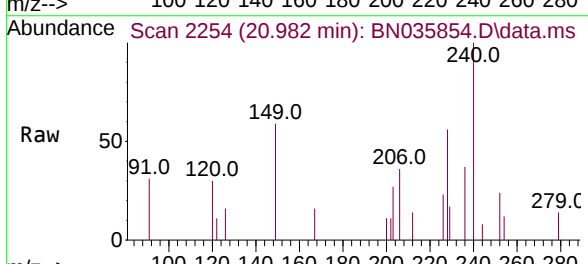
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:244 | Resp: | 189       |
| Ion Ratio   | Lower | Upper     |
| 244         | 100   |           |
| 212         | 13.4  | 8.1 12.1  |
| 122         | 18.1  | 10.3 15.5 |

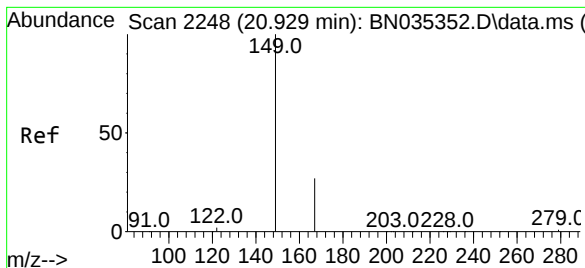
Manual Integrations  
**APPROVED**  
 Reviewed By :Yogesh Patel 12/27/2024  
 Supervised By :mohammad ahmed 12/30/2024



#33  
 Chrysene  
 Concen: 0.025 ng  
 RT: 20.982 min Scan# 2254  
 Delta R.T. -0.009 min  
 Lab File: BN035854.D  
 Acq: 26 Dec 2024 15:30

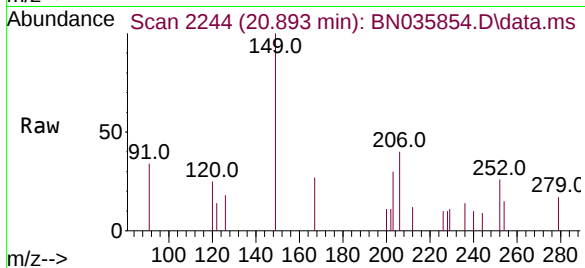
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:228 | Resp: | 652       |
| Ion Ratio   | Lower | Upper     |
| 228         | 100   |           |
| 226         | 41.9  | 24.6 37.0 |
| 229         | 30.6  | 15.9 23.9 |





#34  
Bis(2-ethylhexyl)phthalate  
Concen: 0.027 ng  
RT: 20.893 min Scan# 21  
Delta R.T. -0.018 min  
Lab File: BN035854.D  
Acq: 26 Dec 2024 15:30

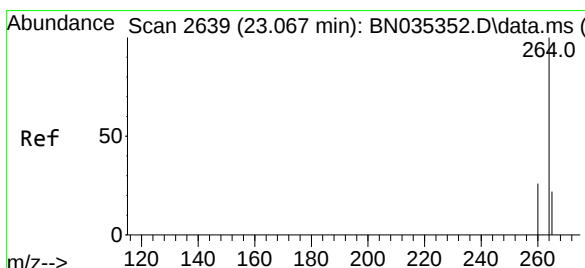
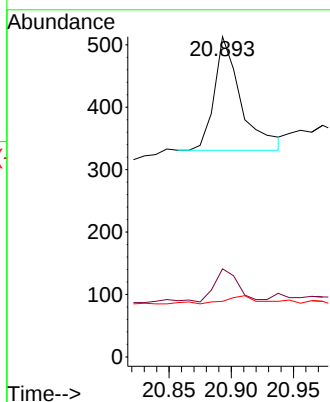
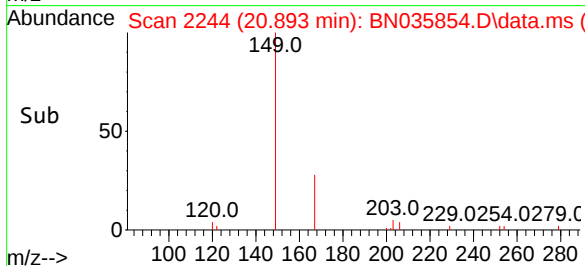
Instrument :  
BNA\_N  
ClientSampleId :  
RE115D2-20241218DL



Tgt Ion:149 Resp: 272  
Ion Ratio Lower Upper  
149 100  
167 23.2 22.2 33.4  
279 7.4 2.7 4.1

Manual Integrations  
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Reviewed By :Yogesh Patel 12/27/2024  
Supervised By :mohammad ahmed 12/30/2024



#35  
Perylene-d12  
Concen: 0.400 ng  
RT: 23.029 min Scan# 2626  
Delta R.T. -0.012 min  
Lab File: BN035854.D  
Acq: 26 Dec 2024 15:30

Tgt Ion:264 Resp: 6900  
Ion Ratio Lower Upper  
264 100  
260 27.4 21.4 32.2  
265 93.9 40.2 60.4

