

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN061523\  
 Data File : BN025865.D  
 Acq On : 15 Jun 2023 19:20  
 Operator : MA/JU  
 Sample : 03173-15  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 EB-01-061223

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 06/16/2023  
 Supervised By :mohammad ahmed 06/16/2023

Quant Time: Jun 16 01:47:10 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN053123.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jun 16 01:41:46 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.005  | 152  | 5177     | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.814 | 136  | 13394    | 0.400 | ng    | # 0.00   |
| 13) Acenaphthene-d10          | 14.630 | 164  | 6815     | 0.400 | ng    | 0.00     |
| 19) Phenanthrene-d10          | 17.381 | 188  | 14251    | 0.400 | ng    | 0.00     |
| 29) Chrysene-d12              | 21.560 | 240  | 10826    | 0.400 | ng    | # 0.00   |
| 35) Perylene-d12              | 24.045 | 264  | 11021    | 0.400 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.557  | 112  | 406      | 0.028 | ng    | 0.02     |
| 5) Phenol-d6                  | 7.182  | 99   | 712      | 0.040 | ng    | 0.03     |
| 8) Nitrobenzene-d5            | 9.180  | 82   | 3477     | 0.279 | ng    | 0.02     |
| 11) 2-Methylnaphthalene-d10   | 12.404 | 152  | 6253     | 0.324 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 16.140 | 330  | 261      | 0.124 | ng    | 0.01     |
| 15) 2-Fluorobiphenyl          | 13.272 | 172  | 9574     | 0.332 | ng    | 0.01     |
| 27) Fluoranthene-d10          | 19.407 | 212  | 13827    | 0.472 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.997 | 244  | 10082    | 0.384 | ng    | 0.00     |
| Target Compounds              |        |      |          |       |       |          |
| 32) Benzo(a)anthracene        | 21.551 | 228  | 1106     | 0.026 | ng    | # 85     |
| 33) Chrysene                  | 21.605 | 228  | 1723     | 0.039 | ng    | # 90     |
| 34) Bis(2-ethylhexyl)phtha... | 21.453 | 149  | 15803    | 0.635 | ng    | 99       |
| 36) Indeno(1,2,3-cd)pyrene    | 26.662 | 276  | 1895m    | 0.040 | ng    |          |
| 37) Benzo(b)fluoranthene      | 23.291 | 252  | 4019     | 0.092 | ng    | # 56     |
| 38) Benzo(k)fluoranthene      | 23.344 | 252  | 2966     | 0.067 | ng    | # 49     |
| 41) Benzo(g,h,i)perylene      | 27.454 | 276  | 1897     | 0.044 | ng    | # 75     |
| -----                         |        |      |          |       |       |          |

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

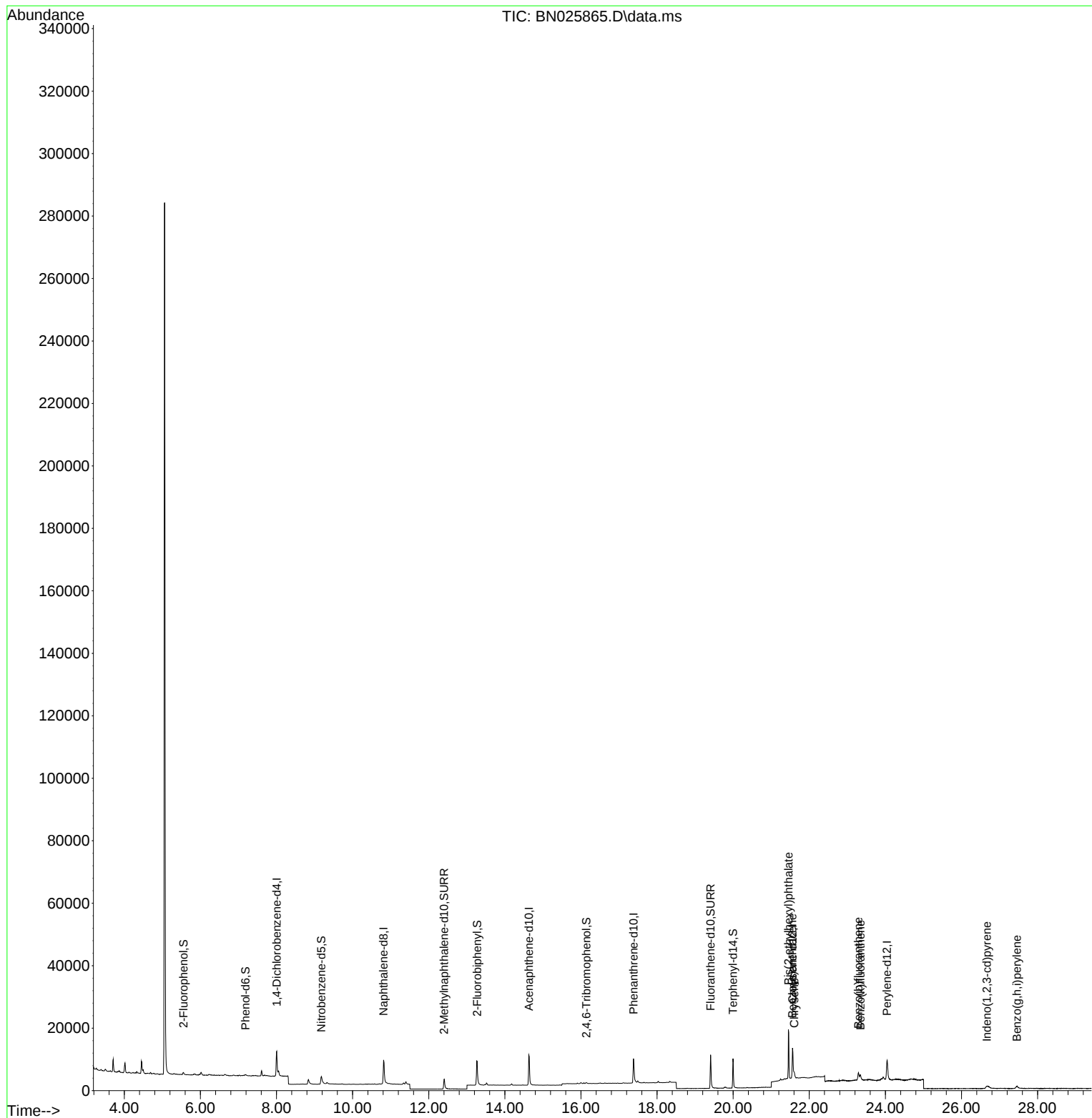
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN061523\  
Data File : BN025865.D  
Acq On : 15 Jun 2023 19:20  
Operator : MA/JU  
Sample : 03173-15  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

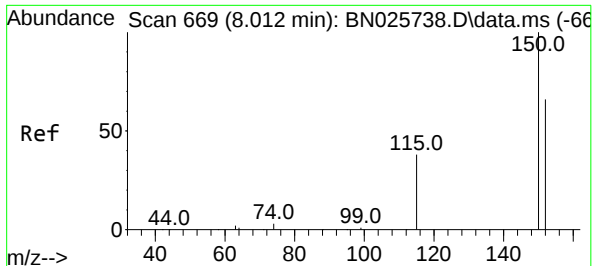
Instrument :  
BNA\_N  
ClientSampleId :  
EB-01-061223

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 06/16/2023  
Supervised By :mohammad ahmed 06/16/2023

Quant Time: Jun 16 01:47:10 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN053123.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Jun 16 01:41:46 2023  
Response via : Initial Calibration





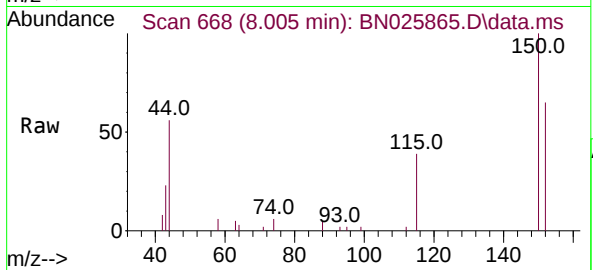
#1  
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 8.005 min Scan# 669  
Delta R.T. 0.007 min  
Lab File: BN025865.D  
Acq: 15 Jun 2023 19:20

Instrument :

BNA\_N

ClientSampleId :

EB-01-061223

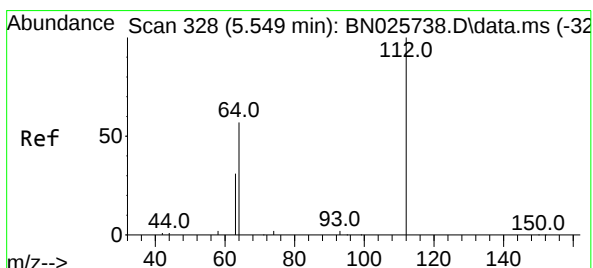
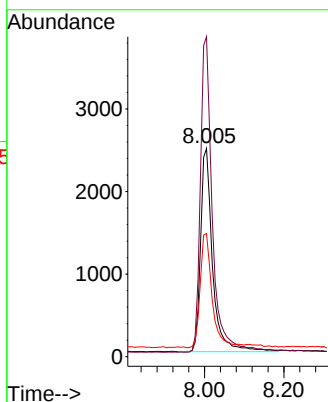
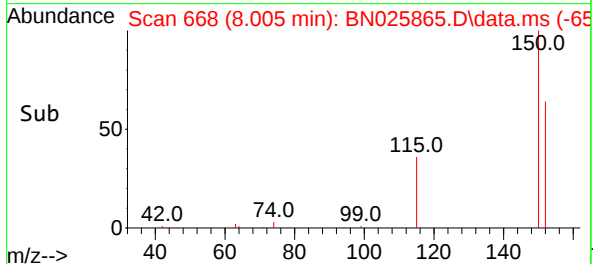


Tgt Ion:152 Resp: 517  
Ion Ratio Lower Upper  
152 100  
150 153.6 121.5 182.3  
115 59.2 47.7 71.5

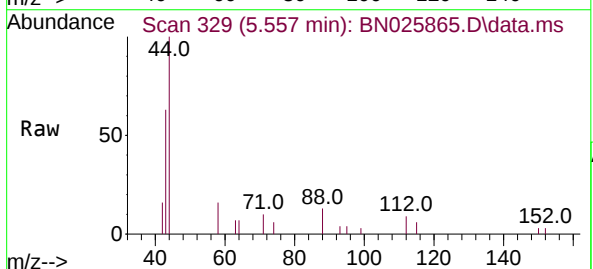
Manual Integrations

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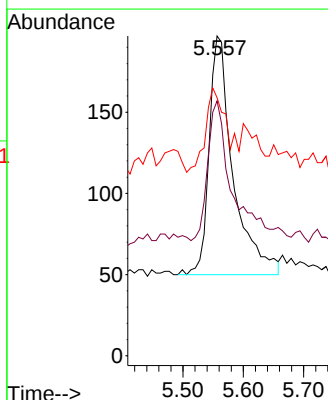
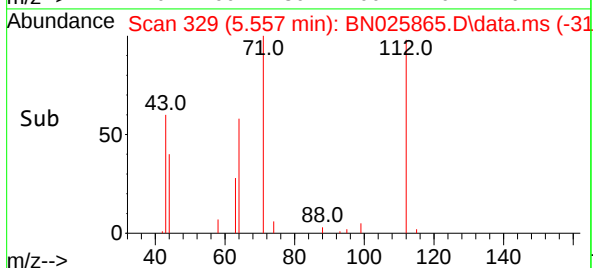
Reviewed By :Yogesh Patel 06/16/2023  
Supervised By :mohammad ahmed 06/16/2023

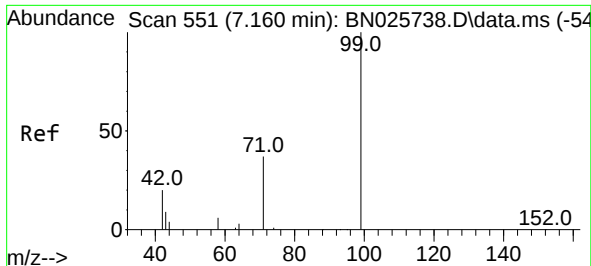


#4  
2-Fluorophenol  
Concen: 0.028 ng  
RT: 5.557 min Scan# 329  
Delta R.T. 0.022 min  
Lab File: BN025865.D  
Acq: 15 Jun 2023 19:20



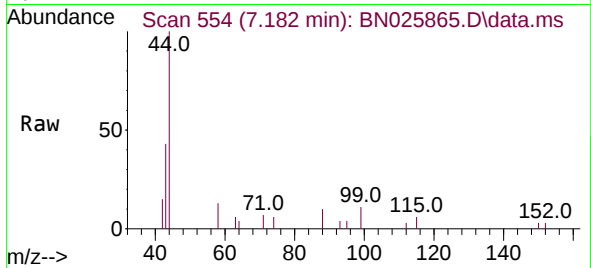
Tgt Ion:112 Resp: 406  
Ion Ratio Lower Upper  
112 100  
64 58.4 47.5 71.3  
63 31.8 26.2 39.4





#5  
Phenol-d6  
Concen: 0.040 ng  
RT: 7.182 min Scan# 554  
Delta R.T. 0.029 min  
Lab File: BN025865.D  
Acq: 15 Jun 2023 19:20

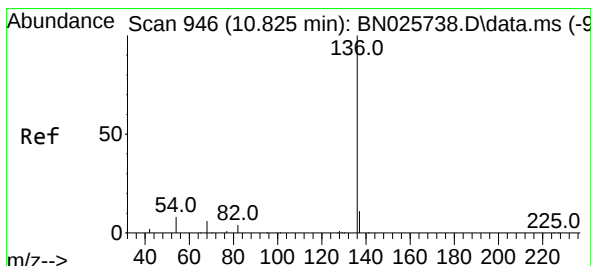
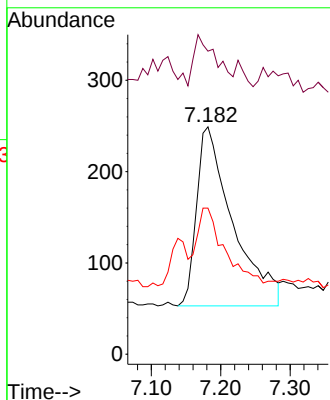
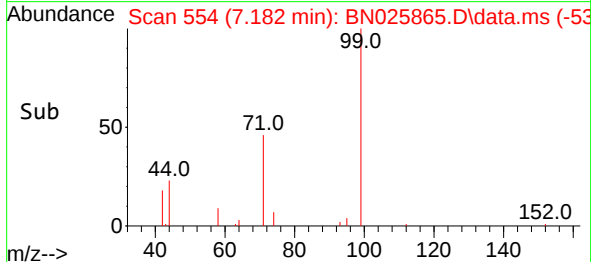
Instrument :  
BNA\_N  
ClientSampleId :  
EB-01-061223



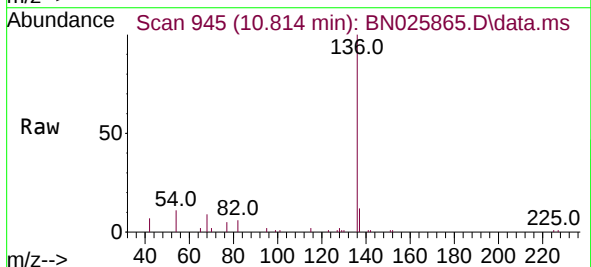
Tgt Ion: 99 Resp: 712  
Ion Ratio Lower Upper  
99 100  
42 17.0 18.6 28.0#  
71 31.2 30.5 45.7

Manual Integrations  
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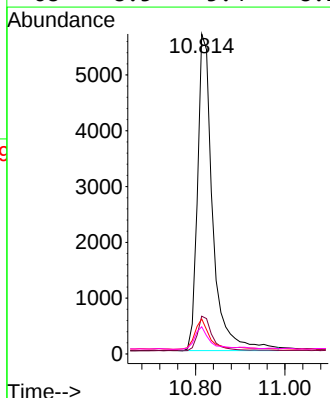
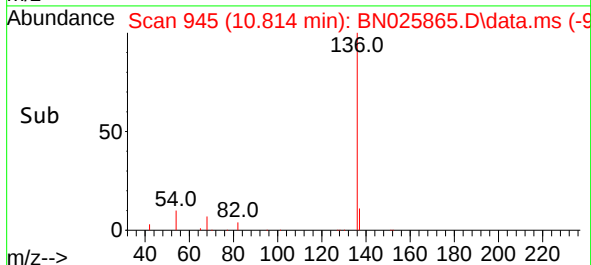
Reviewed By :Yogesh Patel 06/16/2023  
Supervised By :mohammad ahmed 06/16/2023

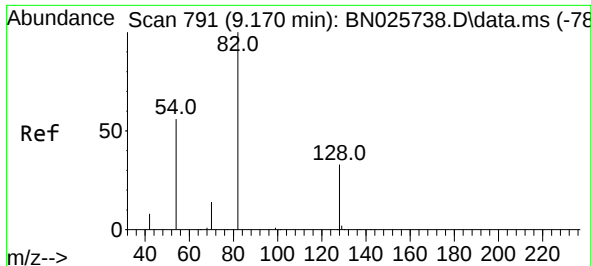


#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.814 min Scan# 945  
Delta R.T. 0.000 min  
Lab File: BN025865.D  
Acq: 15 Jun 2023 19:20



Tgt Ion:136 Resp: 13394  
Ion Ratio Lower Upper  
136 100  
137 11.8 9.3 13.9  
54 11.0 7.2 10.8#  
68 8.5 5.4 8.2#





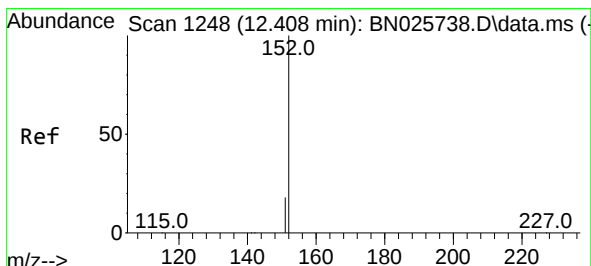
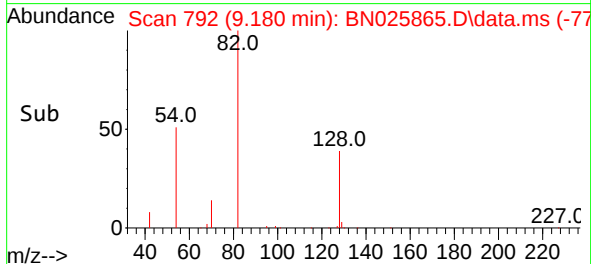
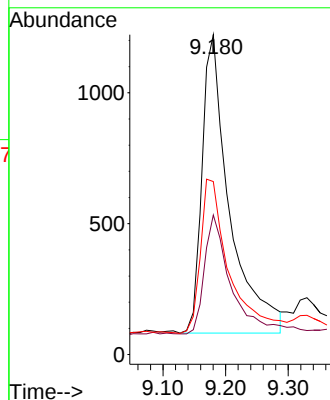
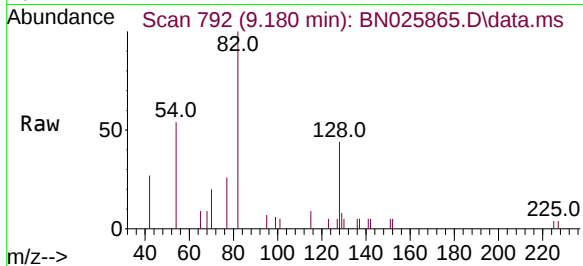
#8  
Nitrobenzene-d5  
Concen: 0.279 ng  
RT: 9.180 min Scan# 791  
Delta R.T. 0.021 min  
Lab File: BN025865.D  
Acq: 15 Jun 2023 19:20

Instrument :  
BNA\_N  
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EB-01-061223

Tgt Ion: 82 Resp: 347  
Ion Ratio Lower Upper  
82 100  
128 43.6 27.6 41.4  
54 54.1 45.7 68.5

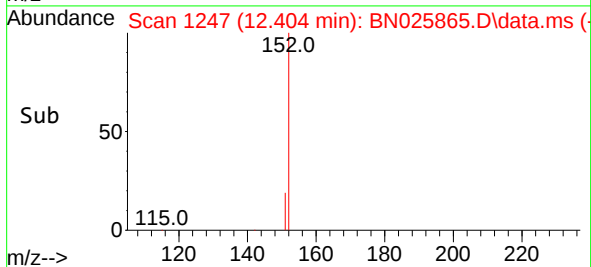
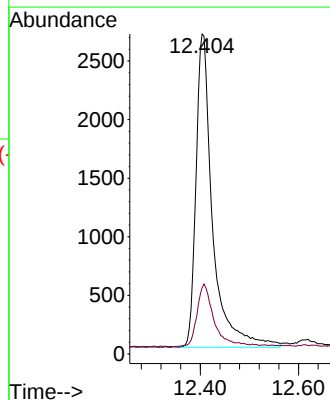
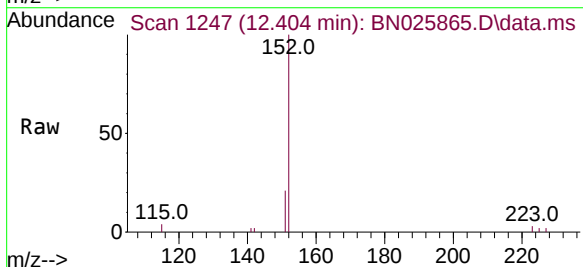
Manual Integrations  
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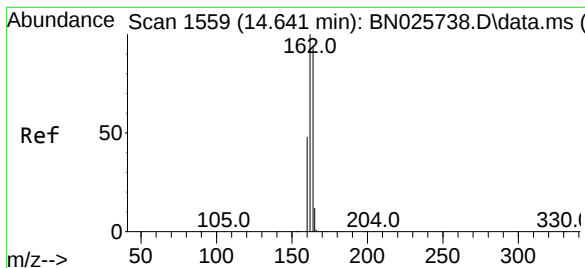
Reviewed By :Yogesh Patel 06/16/2023  
Supervised By :mohammad ahmed 06/16/2023



#11  
2-Methylnaphthalene-d10  
Concen: 0.324 ng  
RT: 12.404 min Scan# 1247  
Delta R.T. 0.008 min  
Lab File: BN025865.D  
Acq: 15 Jun 2023 19:20

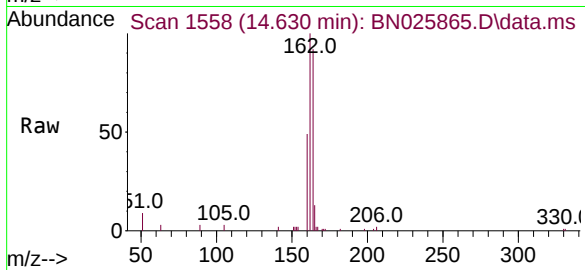
Tgt Ion:152 Resp: 6253  
Ion Ratio Lower Upper  
152 100  
151 20.2 16.4 24.6





#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.630 min Scan# 1558  
Delta R.T. 0.000 min  
Lab File: BN025865.D  
Acq: 15 Jun 2023 19:20

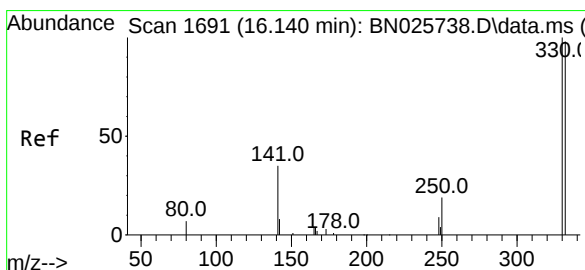
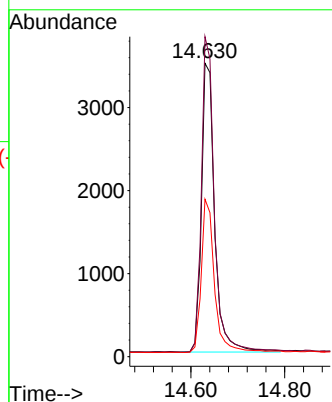
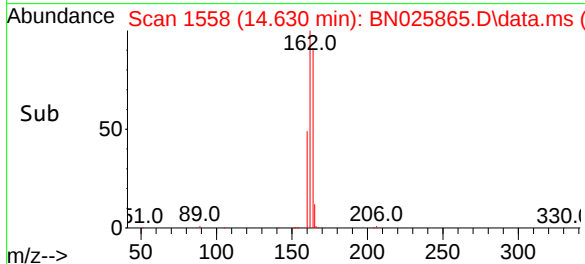
Instrument :  
BNA\_N  
ClientSampleId :  
EB-01-061223



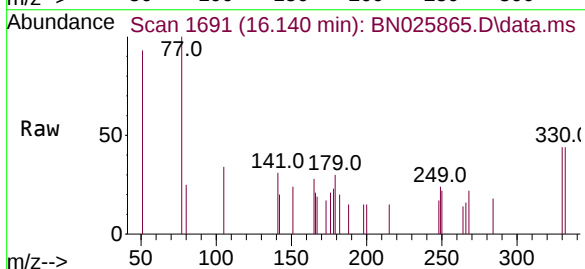
Tgt Ion:164 Resp: 681  
Ion Ratio Lower Upper  
164 100  
162 109.1 85.0 127.6  
160 53.7 41.1 61.7

Manual Integrations  
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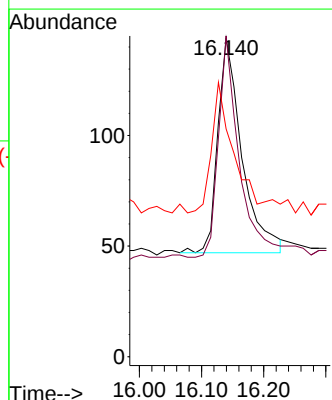
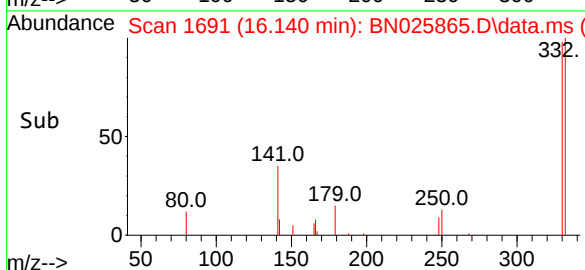
Reviewed By :Yogesh Patel 06/16/2023  
Supervised By :mohammad ahmed 06/16/2023

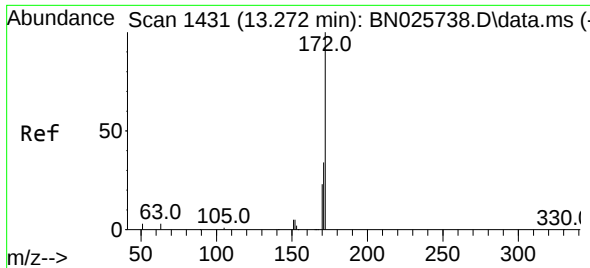


#14  
2,4,6-Tribromophenol  
Concen: 0.124 ng  
RT: 16.140 min Scan# 1691  
Delta R.T. 0.013 min  
Lab File: BN025865.D  
Acq: 15 Jun 2023 19:20



Tgt Ion:330 Resp: 261  
Ion Ratio Lower Upper  
330 100  
332 88.9 77.3 115.9  
141 55.2 55.0 82.6





#15  
2-Fluorobiphenyl  
Concen: 0.332 ng  
RT: 13.272 min Scan# 1431  
Delta R.T. 0.011 min  
Lab File: BN025865.D  
Acq: 15 Jun 2023 19:20

Instrument :

BNA\_N

ClientSampleId :

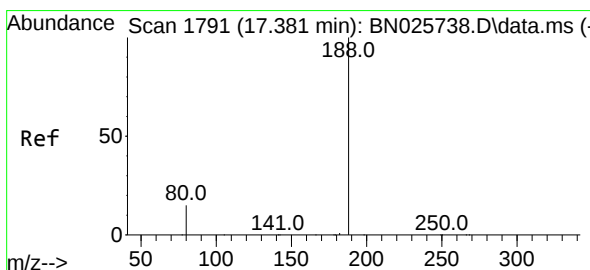
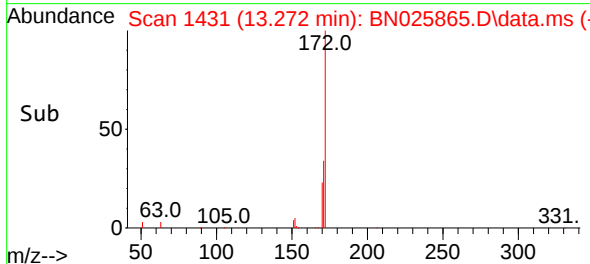
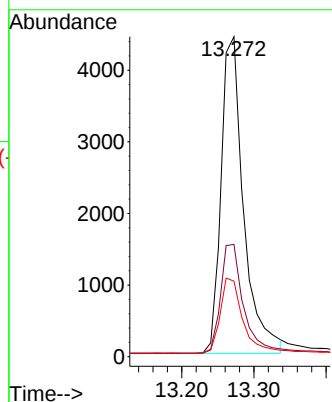
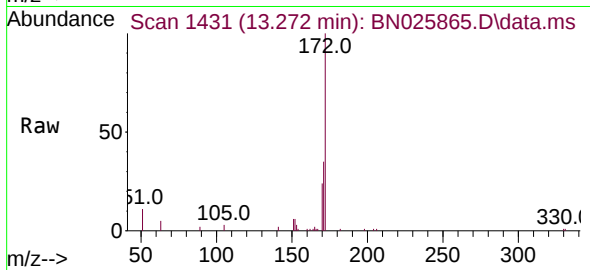
EB-01-061223

Tgt Ion:172 Resp: 9574  
Ion Ratio Lower Upper  
172 100  
171 35.1 27.3 40.9  
170 23.6 18.6 28.0

Manual Integrations

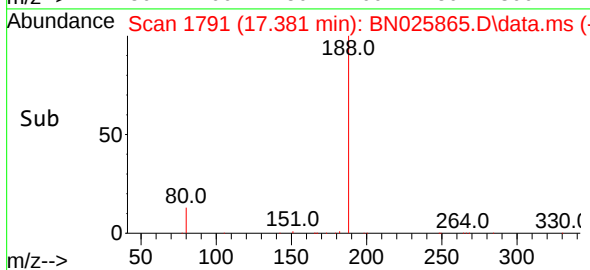
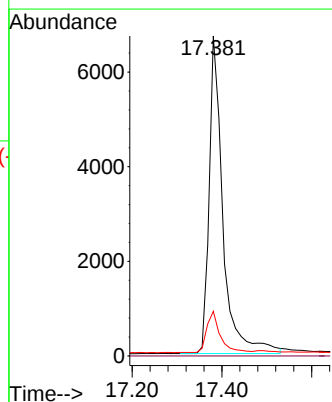
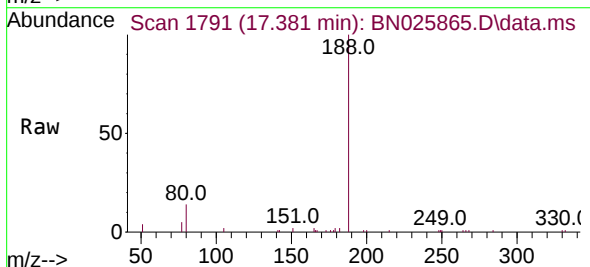
APPROVED

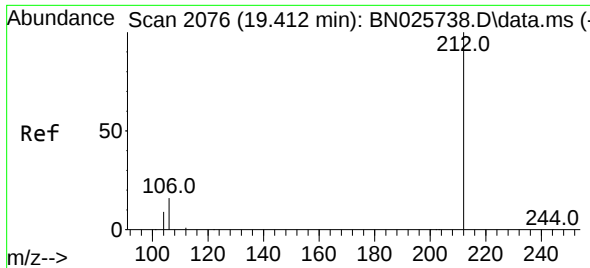
Reviewed By :Yogesh Patel 06/16/2023  
Supervised By :mohammad ahmed 06/16/2023



#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.381 min Scan# 1791  
Delta R.T. 0.000 min  
Lab File: BN025865.D  
Acq: 15 Jun 2023 19:20

Tgt Ion:188 Resp: 14251  
Ion Ratio Lower Upper  
188 100  
94 0.0 0.0 0.0  
80 13.9 12.1 18.1





#27  
Fluoranthene-d10  
Concen: 0.472 ng  
RT: 19.407 min Scan# 2076  
Delta R.T. 0.005 min  
Lab File: BN025865.D  
Acq: 15 Jun 2023 19:20

Instrument :

BNA\_N

ClientSampleId :

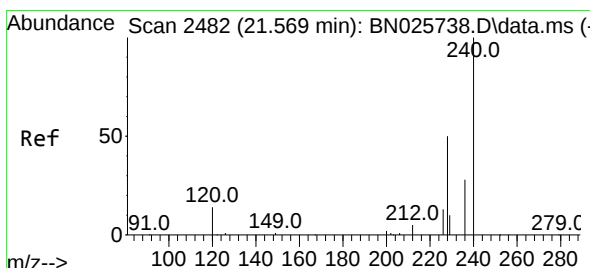
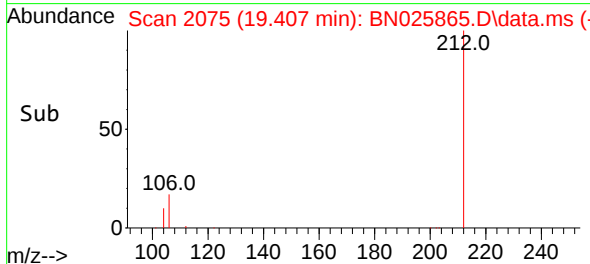
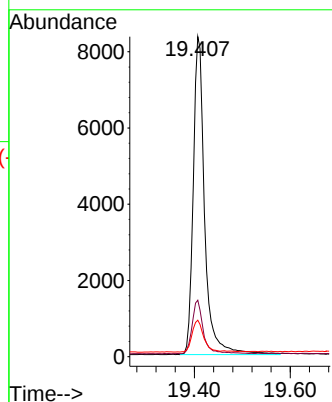
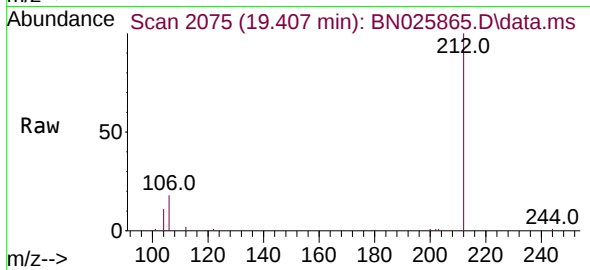
EB-01-061223

Tgt Ion:212 Resp: 1382  
Ion Ratio Lower Upper  
212 100  
106 16.5 13.0 19.6  
104 10.1 7.7 11.5

Manual Integrations

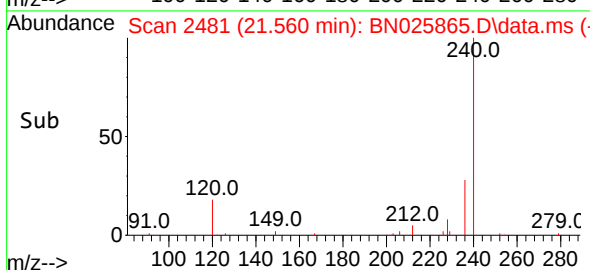
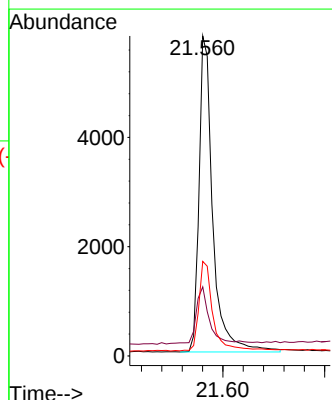
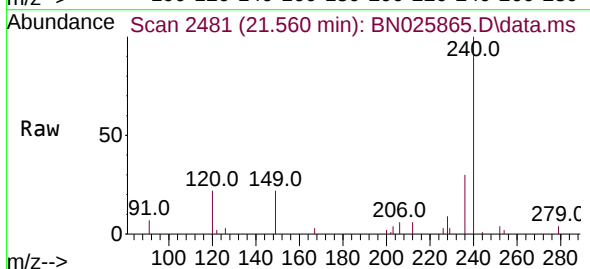
APPROVED

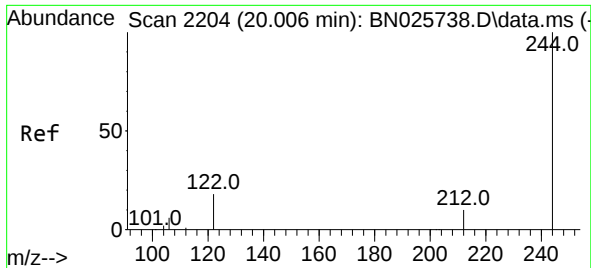
Reviewed By :Yogesh Patel 06/16/2023  
Supervised By :mohammad ahmed 06/16/2023



#29  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.560 min Scan# 2481  
Delta R.T. 0.000 min  
Lab File: BN025865.D  
Acq: 15 Jun 2023 19:20

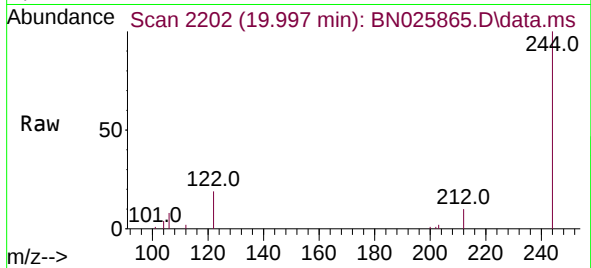
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Ion Ratio Lower Upper  
240 100  
120 21.6 13.2 19.8#  
236 29.6 23.1 34.7





#31  
Terphenyl-d14  
Concen: 0.384 ng  
RT: 19.997 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: BN025865.D  
Acq: 15 Jun 2023 19:20

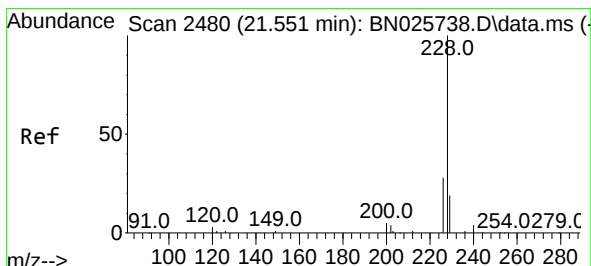
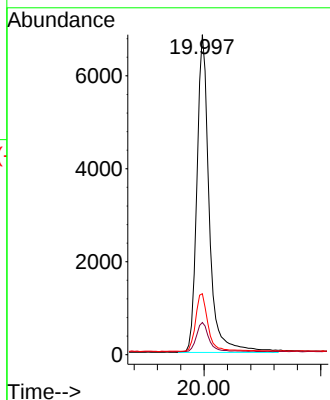
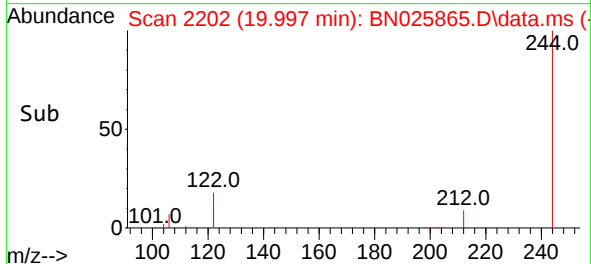
Instrument :  
BNA\_N  
ClientSampleId :  
EB-01-061223



Tgt Ion:244 Resp: 1008  
Ion Ratio Lower Upper  
244 100  
212 10.1 8.6 12.8  
122 19.0 15.2 22.8

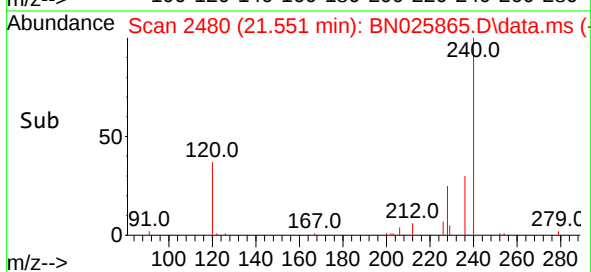
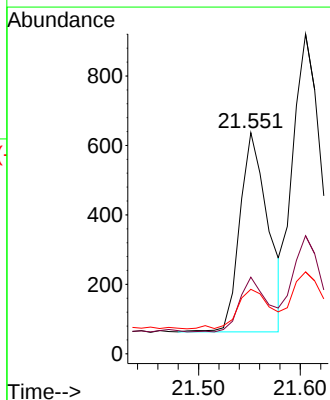
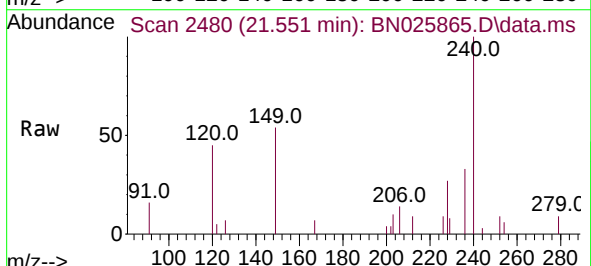
Manual Integrations  
APPROVED

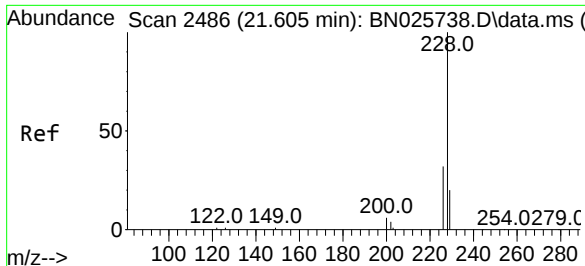
Reviewed By :Yogesh Patel 06/16/2023  
Supervised By :mohammad ahmed 06/16/2023



#32  
Benzo(a)anthracene  
Concen: 0.026 ng  
RT: 21.551 min Scan# 2480  
Delta R.T. 0.009 min  
Lab File: BN025865.D  
Acq: 15 Jun 2023 19:20

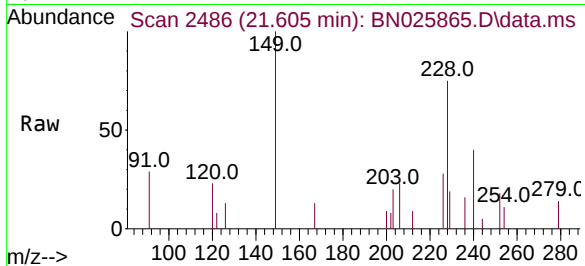
Tgt Ion:228 Resp: 1106  
Ion Ratio Lower Upper  
228 100  
226 34.7 22.9 34.3#  
229 29.2 15.6 23.4#





#33  
Chrysene  
Concen: 0.039 ng  
RT: 21.605 min Scan# 2486  
Delta R.T. 0.009 min  
Lab File: BN025865.D  
Acq: 15 Jun 2023 19:20

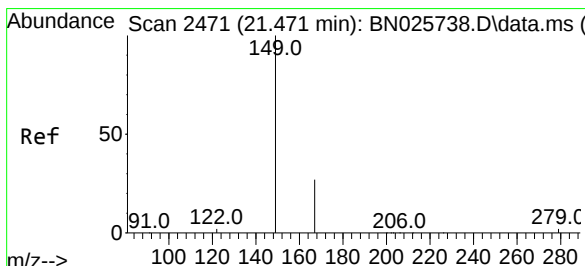
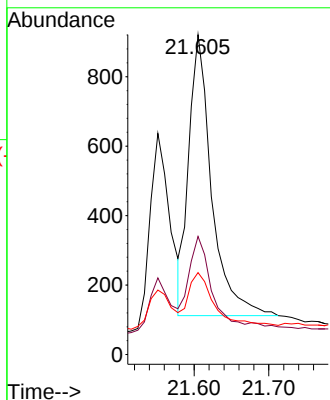
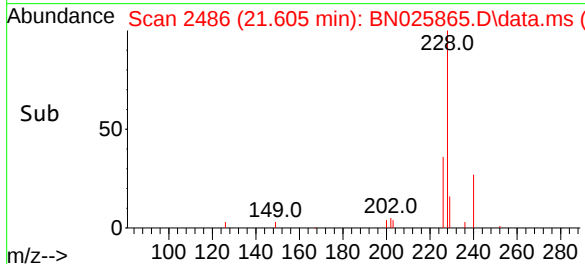
Instrument :  
BNA\_N  
ClientSampleId :  
EB-01-061223



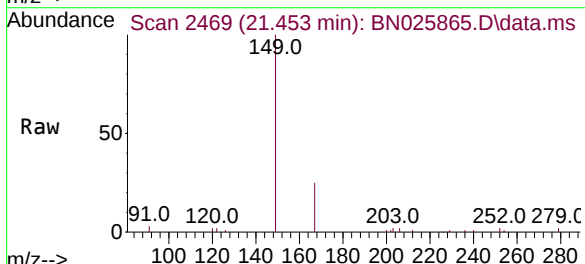
Tgt Ion:228 Resp: 172  
Ion Ratio Lower Upper  
228 100  
226 36.9 25.4 38.2  
229 25.6 16.1 24.1

Manual Integrations  
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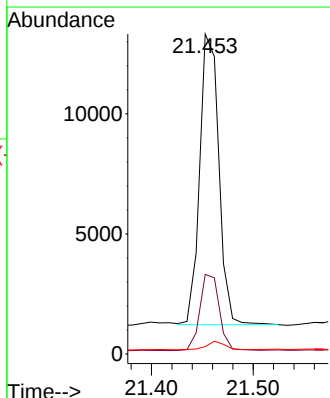
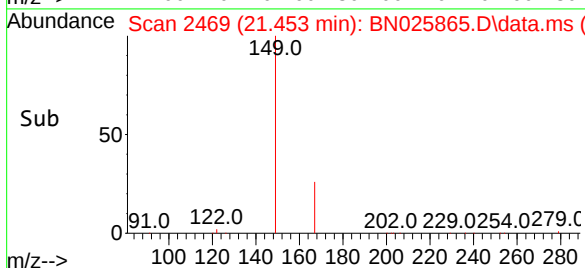
Reviewed By :Yogesh Patel 06/16/2023  
Supervised By :mohammad ahmed 06/16/2023

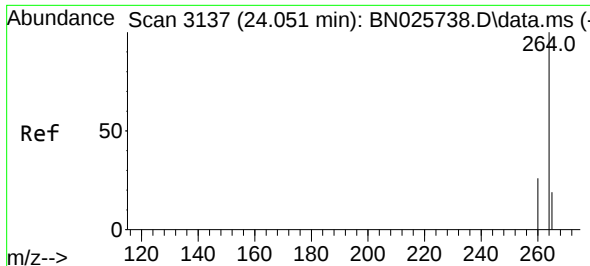


#34  
Bis(2-ethylhexyl)phthalate  
Concen: 0.635 ng  
RT: 21.453 min Scan# 2469  
Delta R.T. -0.009 min  
Lab File: BN025865.D  
Acq: 15 Jun 2023 19:20



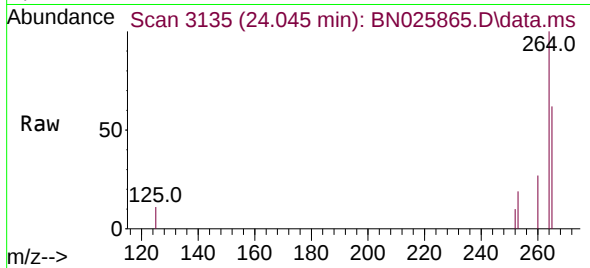
Tgt Ion:149 Resp: 15803  
Ion Ratio Lower Upper  
149 100  
167 26.6 21.0 31.6  
279 2.8 2.2 3.4





#35  
Perylene-d12  
Concen: 0.400 ng  
RT: 24.045 min Scan# 3137  
Delta R.T. -0.003 min  
Lab File: BN025865.D  
Acq: 15 Jun 2023 19:20

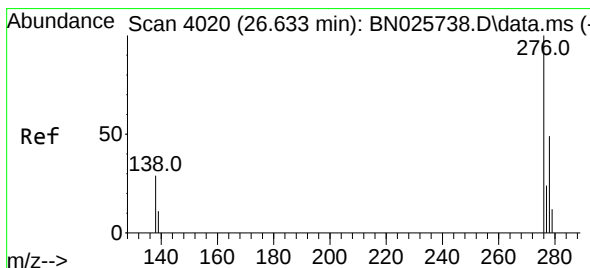
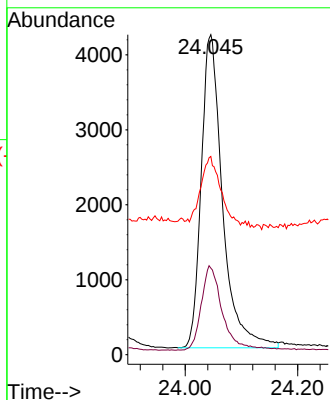
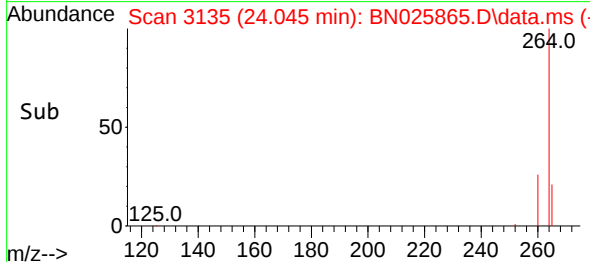
Instrument :  
BNA\_N  
ClientSampleId :  
EB-01-061223



Tgt Ion:264 Resp: 1102  
Ion Ratio Lower Upper  
264 100  
260 27.1 21.4 32.2  
265 61.9 44.7 67.1

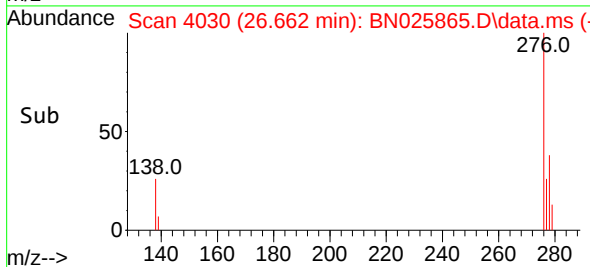
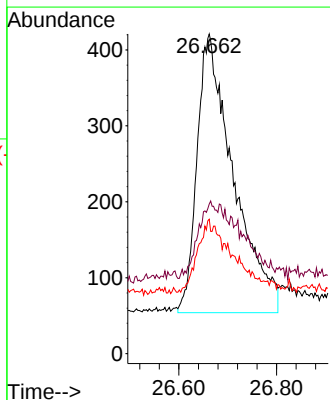
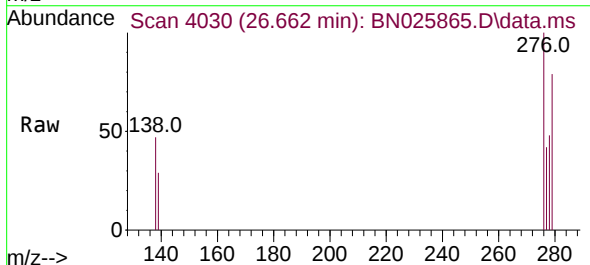
Manual Integrations  
APPROVED

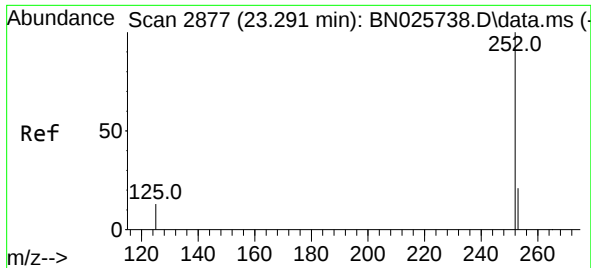
Reviewed By :Yogesh Patel 06/16/2023  
Supervised By :mohammad ahmed 06/16/2023



#36  
Indeno(1,2,3-cd)pyrene  
Concen: 0.040 ng m  
RT: 26.662 min Scan# 4030  
Delta R.T. 0.021 min  
Lab File: BN025865.D  
Acq: 15 Jun 2023 19:20

Tgt Ion:276 Resp: 1895  
Ion Ratio Lower Upper  
276 100  
138 12.9 26.1 39.1#  
277 10.1 19.4 29.2#





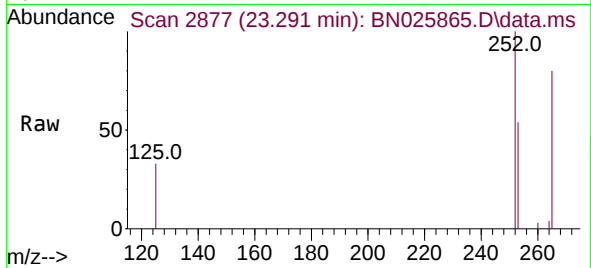
#37  
Benzo(b)fluoranthene  
Concen: 0.092 ng  
RT: 23.291 min Scan# 2877  
Delta R.T. 0.009 min  
Lab File: BN025865.D  
Acq: 15 Jun 2023 19:20

Instrument :

BN025865.D

ClientSampleId :

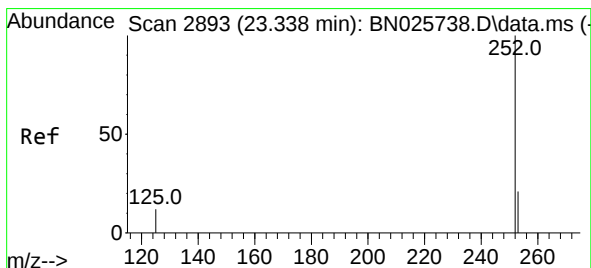
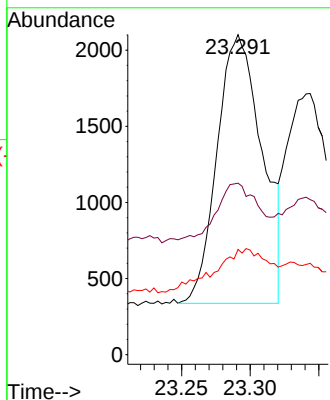
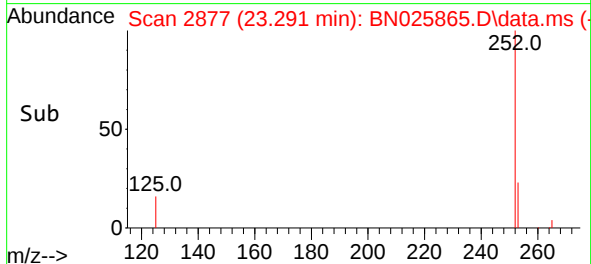
EB-01-061223



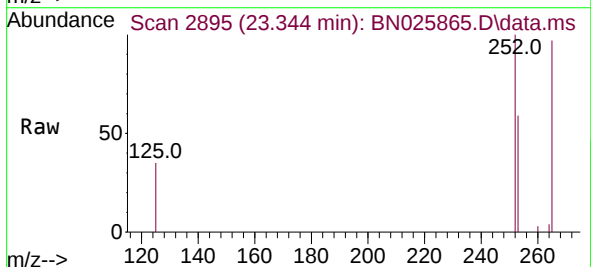
Tgt Ion:252 Resp: 4019  
Ion Ratio Lower Upper  
252 100  
253 53.6 23.4 35.0#  
125 32.9 12.3 18.5#

Manual Integrations  
APPROVED

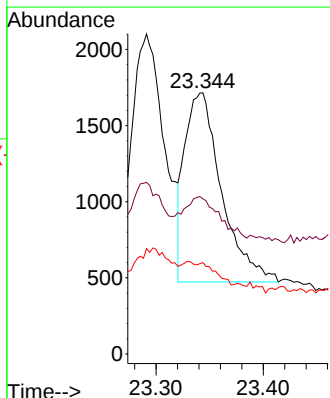
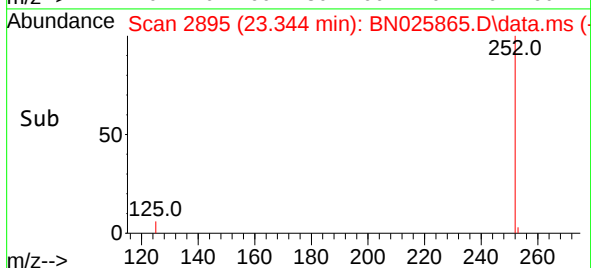
Reviewed By :Yogesh Patel 06/16/2023  
Supervised By :mohammad ahmed 06/16/2023

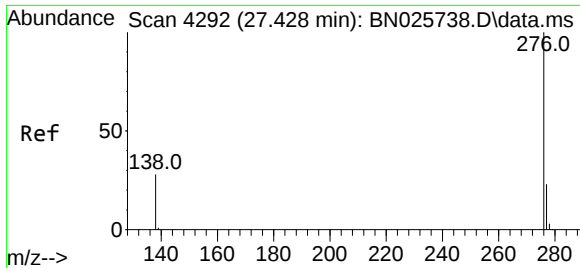


#38  
Benzo(k)fluoranthene  
Concen: 0.067 ng  
RT: 23.344 min Scan# 2895  
Delta R.T. 0.015 min  
Lab File: BN025865.D  
Acq: 15 Jun 2023 19:20



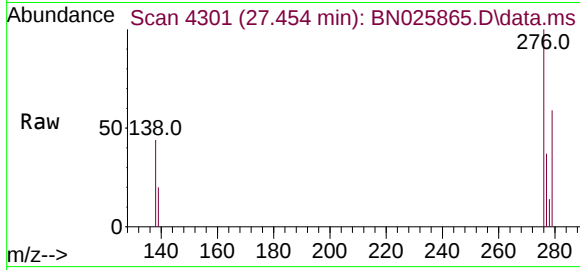
Tgt Ion:252 Resp: 2966  
Ion Ratio Lower Upper  
252 100  
253 59.4 24.2 36.4#  
125 35.0 12.2 18.2#





#41  
Benzo(g,h,i)perylene  
Concen: 0.044 ng  
RT: 27.454 min Scan# 41  
Delta R.T. 0.009 min  
Lab File: BN025865.D  
Acq: 15 Jun 2023 19:20

Instrument :  
BNA\_N  
ClientSampleId :  
EB-01-061223



Tgt Ion:276 Resp: 189  
Ion Ratio Lower Upper  
276 100  
277 37.3 20.2 30.2  
138 44.0 24.2 36.4

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 06/16/2023  
Supervised By :mohammad ahmed 06/16/2023

