

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN081824\  
 Data File : BN033470.D  
 Acq On : 17 Aug 2024 16:21  
 Operator : MA/JU  
 Sample : P3619-01  
 Misc :  
 ALS Vial : 44 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 917-J-WS-081424

Manual Integrations  
 APPROVED

Reviewed By :Jagrut Upadhyay 08/19/2024  
 Supervised By :mohammad ahmed 08/21/2024

Quant Time: Aug 17 23:31:18 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN081024.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Aug 16 04:44:11 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.559  | 152  | 6445     | 0.400 | ng    | -0.01    |
| 7) Naphthalene-d8             | 10.314 | 136  | 17618    | 0.400 | ng    | -0.02    |
| 13) Acenaphthene-d10          | 14.189 | 164  | 9178     | 0.400 | ng    | -0.01    |
| 19) Phenanthrene-d10          | 16.942 | 188  | 19111    | 0.400 | ng    | #-0.01   |
| 29) Chrysene-d12              | 21.148 | 240  | 16396    | 0.400 | ng    | 0.00     |
| 35) Perylene-d12              | 23.317 | 264  | 16749    | 0.400 | ng    | #-0.01   |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.191  | 112  | 2250     | 0.126 | ng    | 0.00     |
| 5) Phenol-d6                  | 6.743  | 99   | 1721     | 0.072 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 8.691  | 82   | 4082     | 0.307 | ng    | -0.01    |
| 11) 2-Methylnaphthalene-d10   | 11.918 | 152  | 6865     | 0.253 | ng    | -0.01    |
| 14) 2,4,6-Tribromophenol      | 15.688 | 330  | 1444     | 0.307 | ng    | -0.01    |
| 15) 2-Fluorobiphenyl          | 12.810 | 172  | 10697    | 0.284 | ng    | -0.01    |
| 27) Fluoranthene-d10          | 18.980 | 212  | 18376    | 0.360 | ng    | -0.01    |
| 31) Terphenyl-d14             | 19.597 | 244  | 14413    | 0.465 | ng    | 0.00     |
| Target Compounds              |        |      |          |       |       |          |
| 18) Fluorene                  | 15.247 | 166  | 2273m    | 0.059 | ng    | Qvalue   |
| 25) Phenanthrene              | 16.979 | 178  | 2190     | 0.040 | ng    | 96       |
| 28) Fluoranthene              | 19.012 | 202  | 4629     | 0.068 | ng    | 97       |
| 30) Pyrene                    | 19.374 | 202  | 3071     | 0.047 | ng    | # 95     |
| 33) Chrysene                  | 21.184 | 228  | 2419     | 0.039 | ng    | # 93     |
| 34) Bis(2-ethylhexyl)phtha... | 21.095 | 149  | 1648     | 0.059 | ng    | 99       |
| 37) Benzo(b)fluoranthene      | 22.674 | 252  | 2777     | 0.044 | ng    | # 16     |
| 41) Benzo(g,h,i)perylene      | 26.124 | 276  | 1251     | 0.021 | ng    | # 52     |
| -----                         |        |      |          |       |       |          |

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

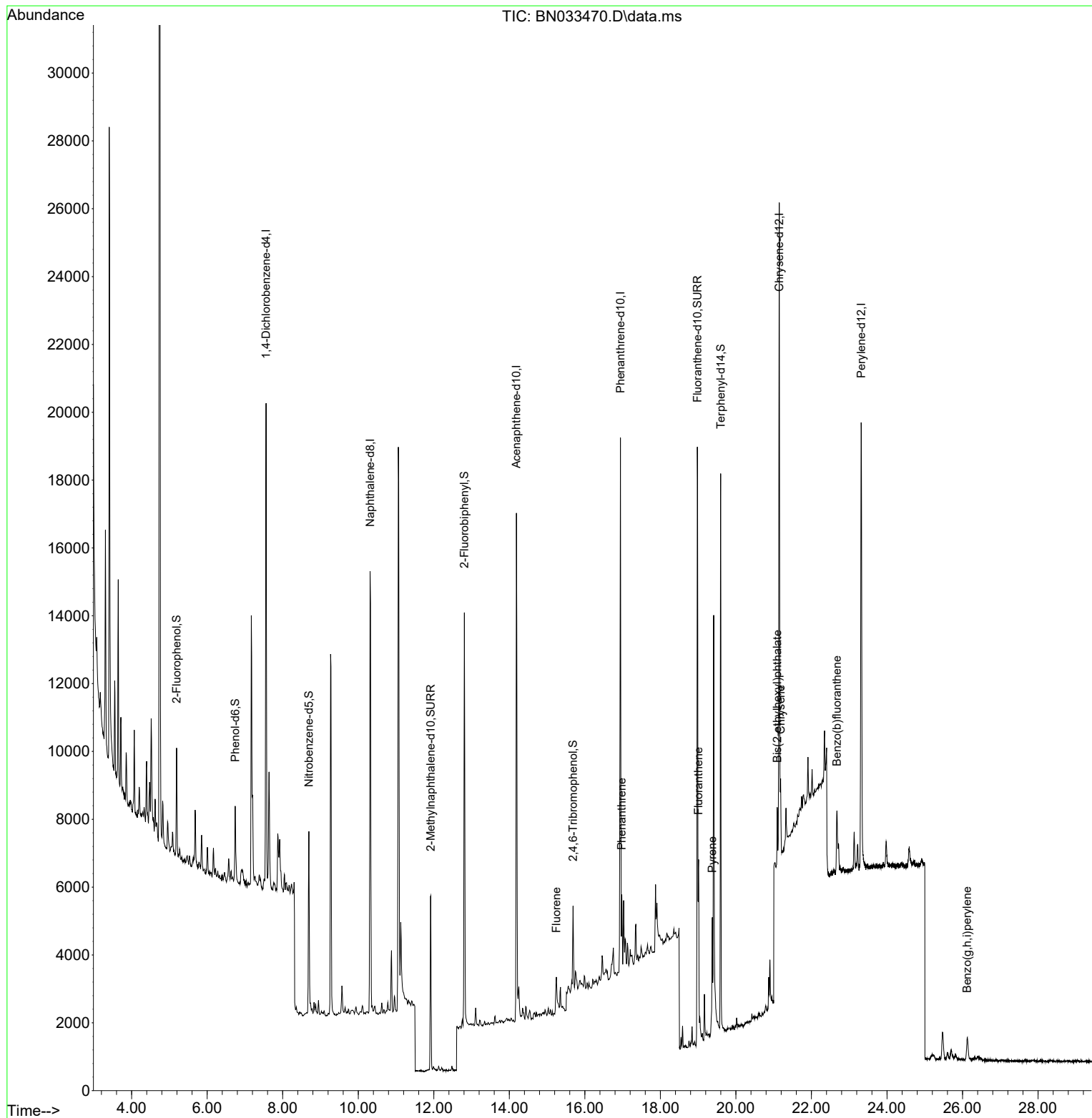
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN081824\  
Data File : BN033470.D  
Acq On : 17 Aug 2024 16:21  
Operator : MA/JU  
Sample : P3619-01  
Misc :  
ALS Vial : 44 Sample Multiplier: 1

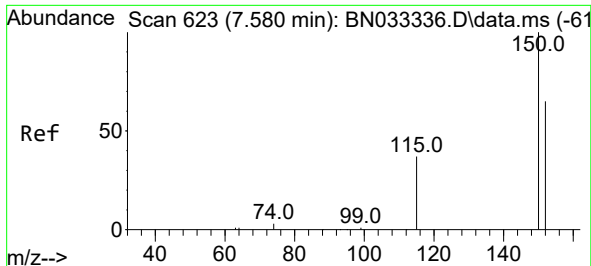
Instrument :  
BNA\_N  
ClientSampleId :  
917-J-WS-081424

Manual Integrations  
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Supervised By :mohammad ahmed 08/21/2024

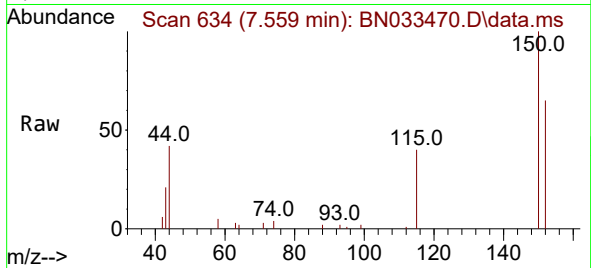
Quant Time: Aug 17 23:31:18 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN081024.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Aug 16 04:44:11 2024  
Response via : Initial Calibration





#1  
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.559 min Scan# 61  
Delta R.T. -0.015 min  
Lab File: BN033470.D  
Acq: 17 Aug 2024 16:21

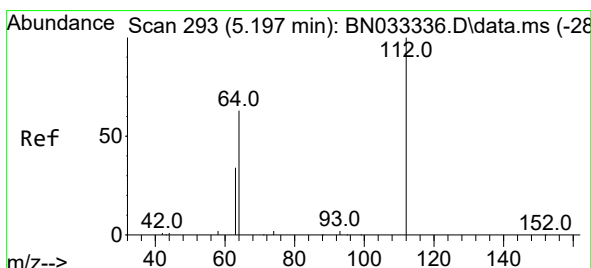
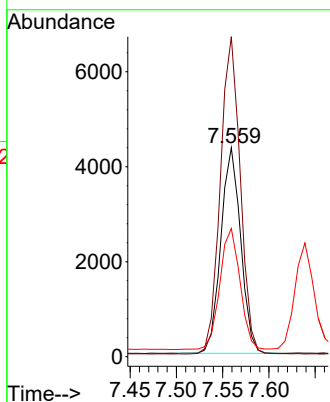
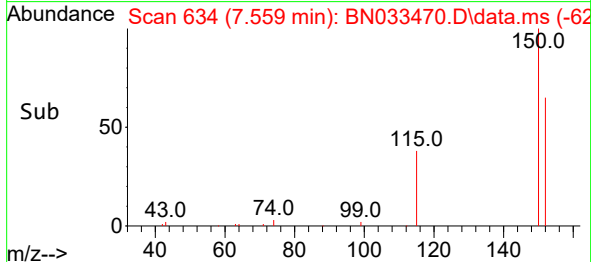
Instrument :  
BNA\_N  
ClientSampleId :  
917-J-WS-081424



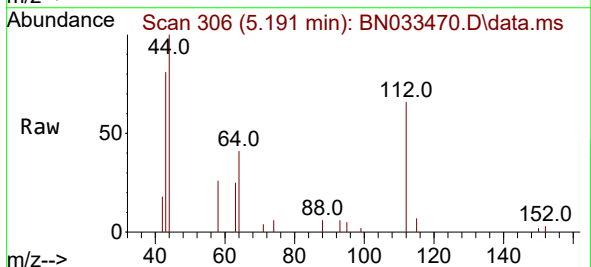
Tgt Ion:152 Resp: 644  
Ion Ratio Lower Upper  
152 100  
150 153.1 122.3 183.5  
115 61.3 48.8 73.2

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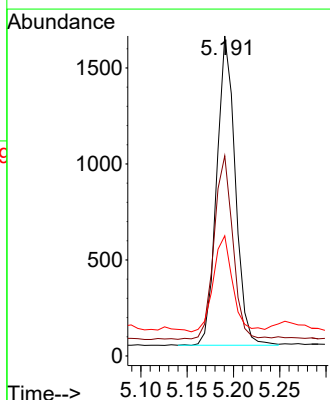
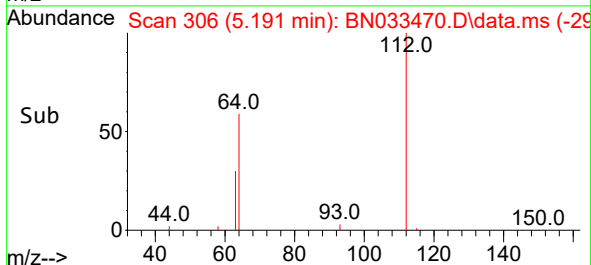
Reviewed By :Jagrut Upadhyay 08/19/2024  
Supervised By :mohammad ahmed 08/21/2024

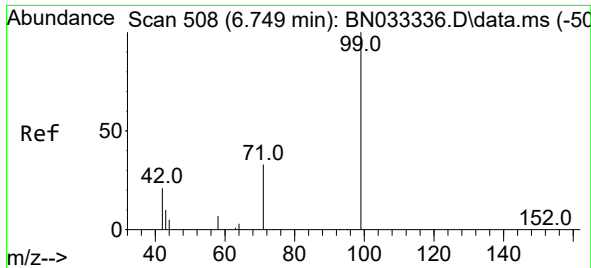


#4  
2-Fluorophenol  
Concen: 0.126 ng  
RT: 5.191 min Scan# 306  
Delta R.T. -0.007 min  
Lab File: BN033470.D  
Acq: 17 Aug 2024 16:21



Tgt Ion:112 Resp: 2250  
Ion Ratio Lower Upper  
112 100  
64 60.0 48.1 72.1  
63 32.4 25.4 38.2





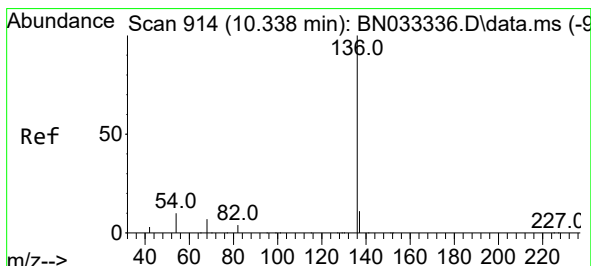
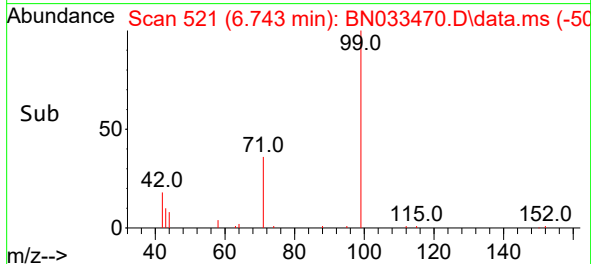
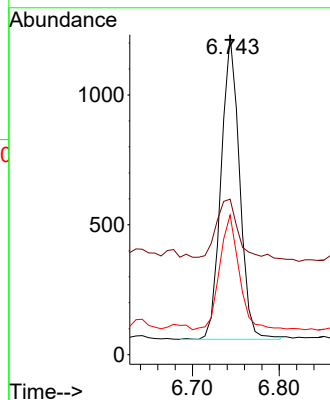
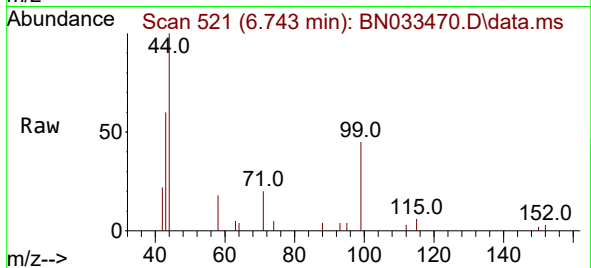
#5  
Phenol-d6  
Concen: 0.072 ng  
RT: 6.743 min Scan# 51  
Delta R.T. -0.007 min  
Lab File: BN033470.D  
Acq: 17 Aug 2024 16:21

Instrument :  
BNA\_N  
ClientSampleId :  
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Tgt Ion: 99 Resp: 172  
Ion Ratio Lower Upper  
99 100  
42 23.8 18.5 27.7  
71 40.1 26.2 39.2

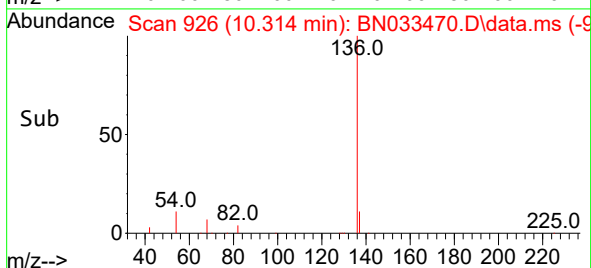
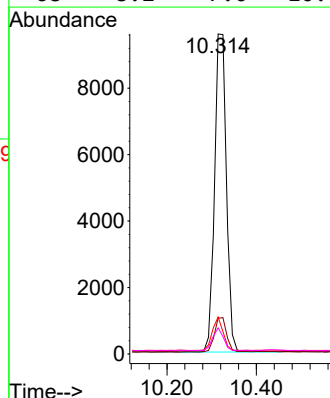
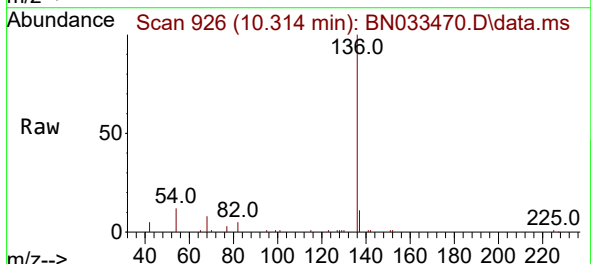
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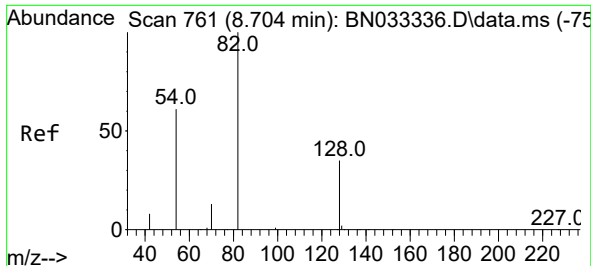
Reviewed By :Jagrut Upadhyay 08/19/2024  
Supervised By :mohammad ahmed 08/21/2024



#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.314 min Scan# 926  
Delta R.T. -0.021 min  
Lab File: BN033470.D  
Acq: 17 Aug 2024 16:21

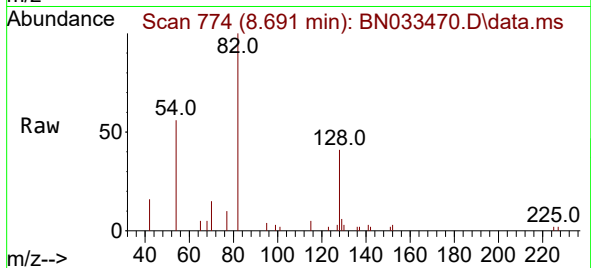
Tgt Ion:136 Resp: 17618  
Ion Ratio Lower Upper  
136 100  
137 11.1 9.1 13.7  
54 11.5 9.4 14.0  
68 8.2 7.0 10.4





#8  
Nitrobenzene-d5  
Concen: 0.307 ng  
RT: 8.691 min Scan# 71  
Delta R.T. -0.011 min  
Lab File: BN033470.D  
Acq: 17 Aug 2024 16:21

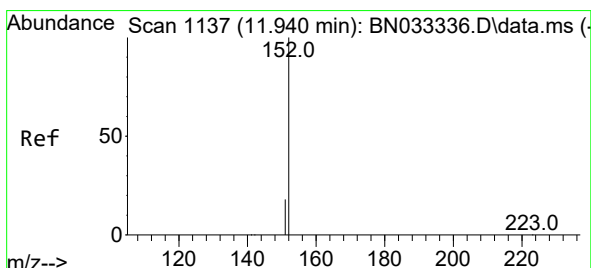
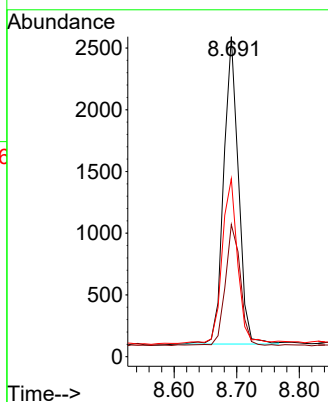
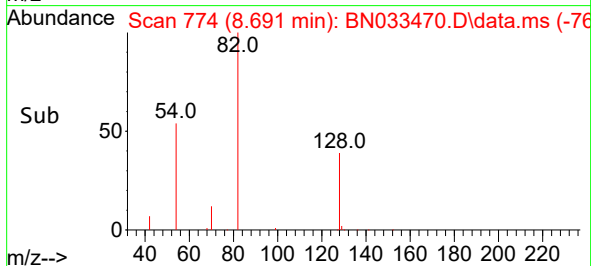
Instrument :  
BNA\_N  
ClientSampleId :  
917-J-WS-081424



Tgt Ion: 82 Resp: 408  
Ion Ratio Lower Upper  
82 100  
128 41.3 29.0 43.4  
54 55.6 50.2 75.4

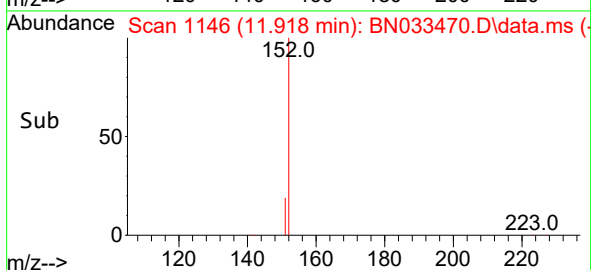
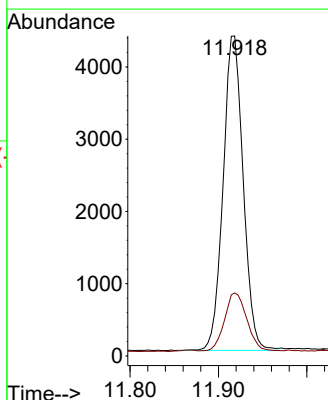
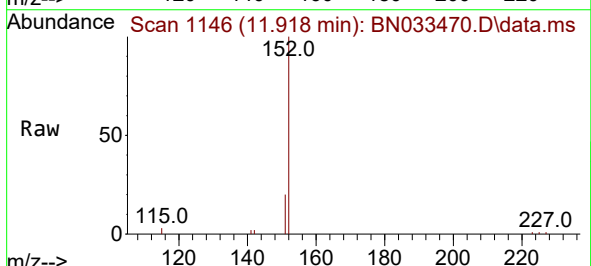
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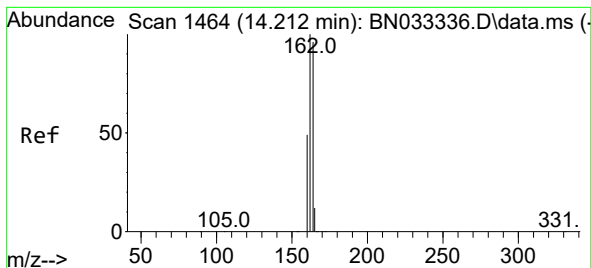
Reviewed By :Jagrut Upadhyay 08/19/2024  
Supervised By :mohammad ahmed 08/21/2024



#11  
2-Methylnaphthalene-d10  
Concen: 0.253 ng  
RT: 11.918 min Scan# 1146  
Delta R.T. -0.011 min  
Lab File: BN033470.D  
Acq: 17 Aug 2024 16:21

Tgt Ion:152 Resp: 6865  
Ion Ratio Lower Upper  
152 100  
151 20.3 16.7 25.1





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.189 min Scan# 14

Delta R.T. -0.011 min

Lab File: BN033470.D

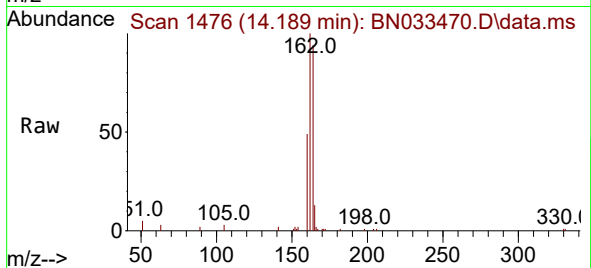
Acq: 17 Aug 2024 16:21

Instrument :

BNA\_N

ClientSampleId :

917-J-WS-081424



Tgt Ion:164 Resp: 9178

Ion Ratio Lower Upper

164 100

162 106.9 83.1 124.7

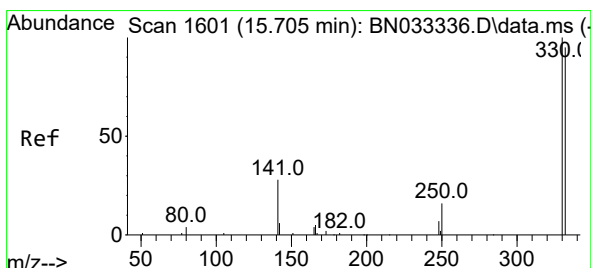
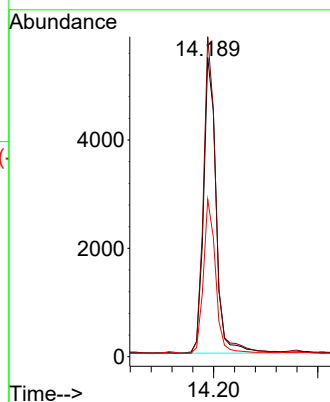
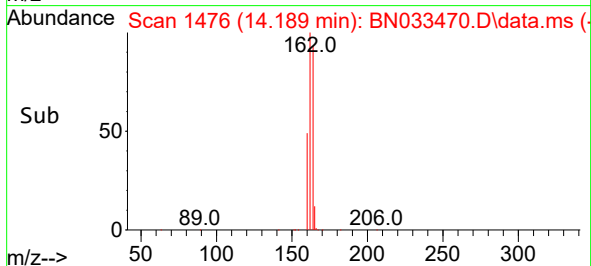
160 52.6 41.1 61.7

Manual Integrations

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Reviewed By :Jagrut Upadhyay 08/19/2024

Supervised By :mohammad ahmed 08/21/2024



#14

2,4,6-Tribromophenol

Concen: 0.307 ng

RT: 15.688 min Scan# 1614

Delta R.T. -0.012 min

Lab File: BN033470.D

Acq: 17 Aug 2024 16:21

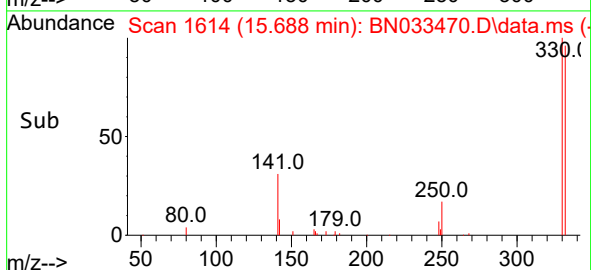
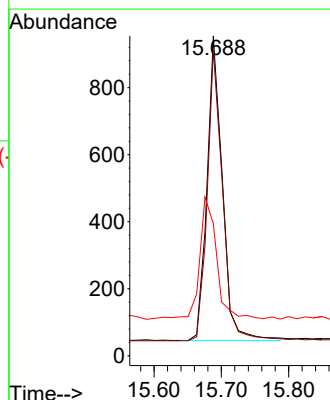
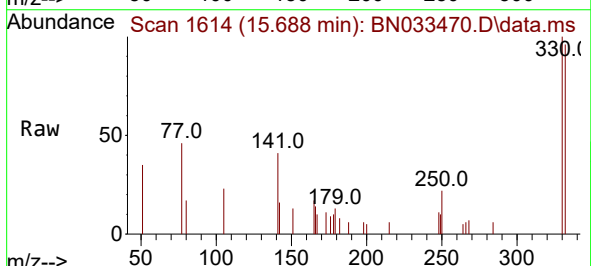
Tgt Ion:330 Resp: 1444

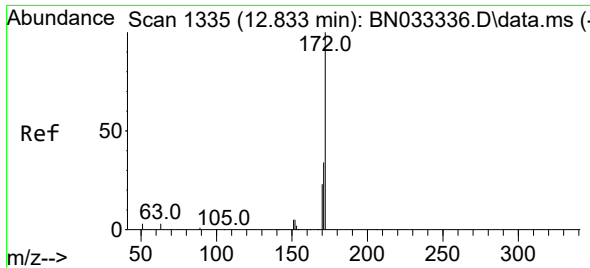
Ion Ratio Lower Upper

330 100

332 94.5 77.1 115.7

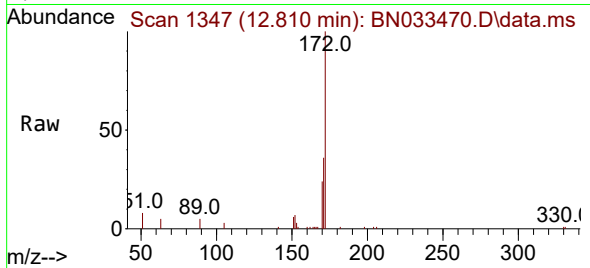
141 42.5 33.4 50.0





#15  
2-Fluorobiphenyl  
Concen: 0.284 ng  
RT: 12.810 min Scan# 11  
Delta R.T. -0.011 min  
Lab File: BN033470.D  
Acq: 17 Aug 2024 16:21

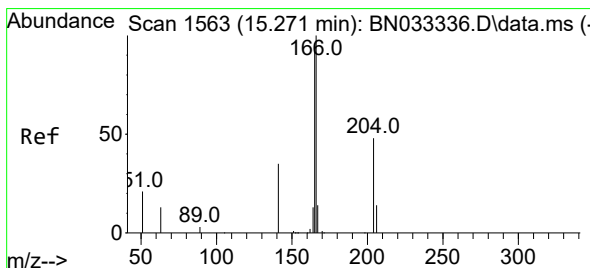
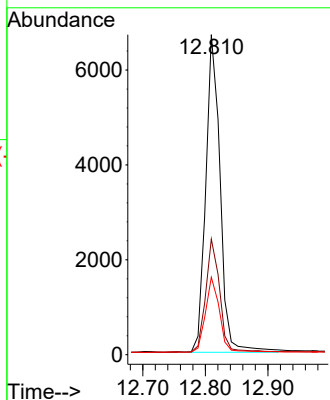
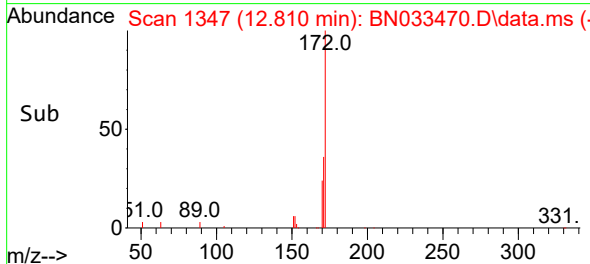
Instrument :  
BNA\_N  
ClientSampleId :  
917-J-WS-081424



Tgt Ion:172 Resp: 1069  
Ion Ratio Lower Upper  
172 100  
171 36.1 27.8 41.8  
170 24.2 18.7 28.1

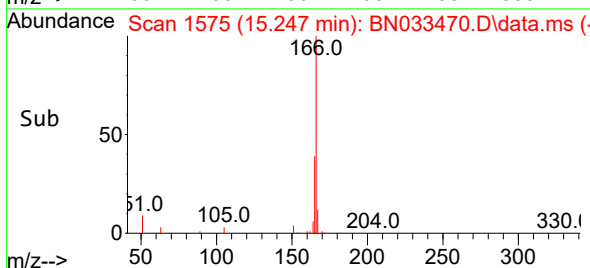
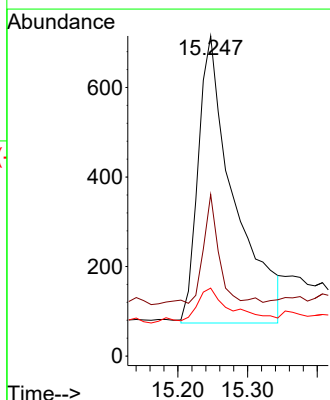
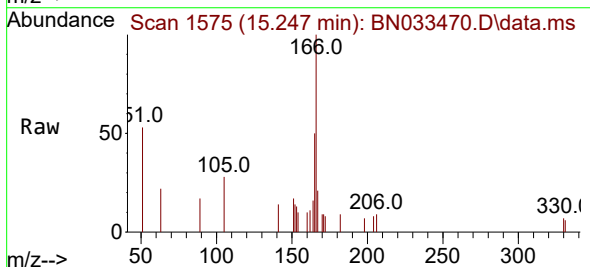
Manual Integrations  
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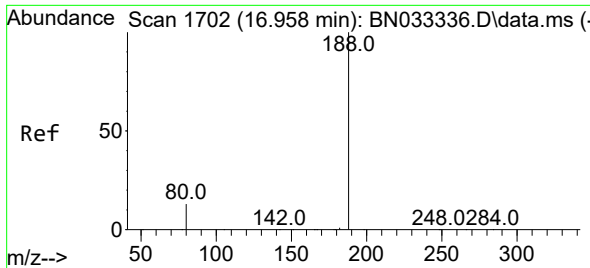
Reviewed By :Jagrut Upadhyay 08/19/2024  
Supervised By :mohammad ahmed 08/21/2024



#18  
Fluorene  
Concen: 0.059 ng m  
RT: 15.247 min Scan# 1575  
Delta R.T. -0.011 min  
Lab File: BN033470.D  
Acq: 17 Aug 2024 16:21

Tgt Ion:166 Resp: 2273  
Ion Ratio Lower Upper  
166 100  
165 16.4 78.0 117.0#  
167 9.0 10.7 16.1#





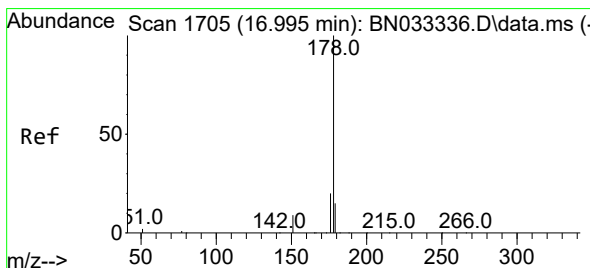
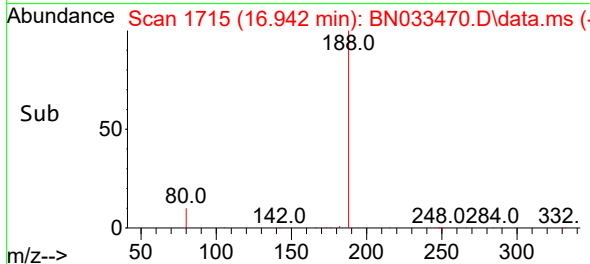
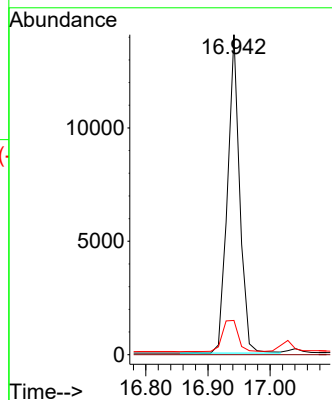
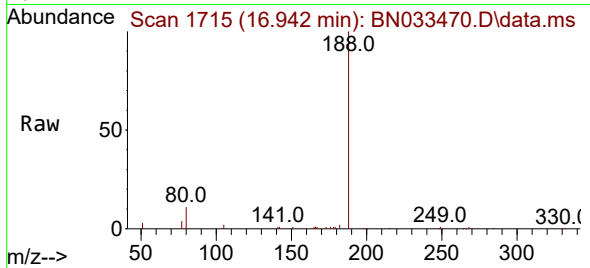
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Phenanthrene-d10  
Concen: 0.400 ng  
RT: 16.942 min Scan# 1715  
Delta R.T. -0.012 min  
Lab File: BN033470.D  
Acq: 17 Aug 2024 16:21

Instrument :  
BNA\_N  
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917-J-WS-081424

Tgt Ion:188 Resp: 1911  
Ion Ratio Lower Upper  
188 100  
94 0.0 0.0 0.0  
80 10.7 10.7 16.1

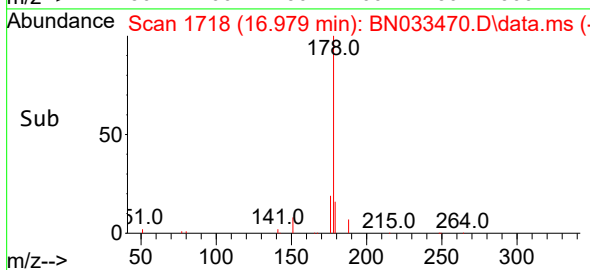
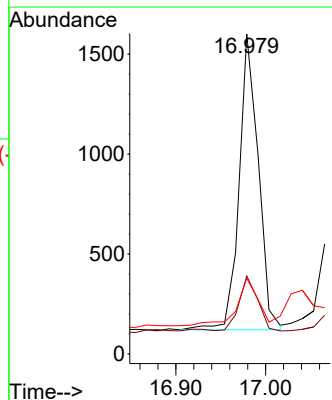
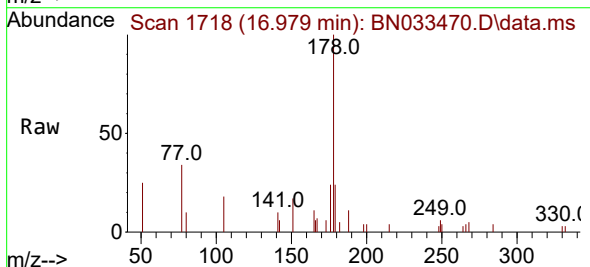
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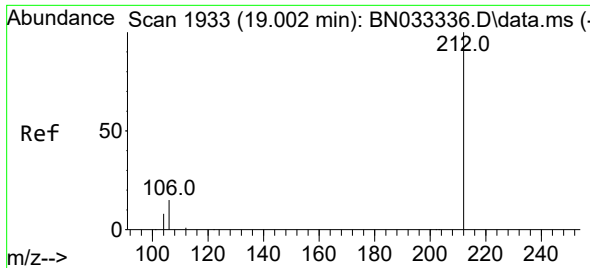


#25  
Phenanthrene  
Concen: 0.040 ng  
RT: 16.979 min Scan# 1718  
Delta R.T. -0.012 min  
Lab File: BN033470.D  
Acq: 17 Aug 2024 16:21

Tgt Ion:178 Resp: 2190  
Ion Ratio Lower Upper  
178 100  
176 18.0 15.4 23.0  
179 17.4 12.2 18.2

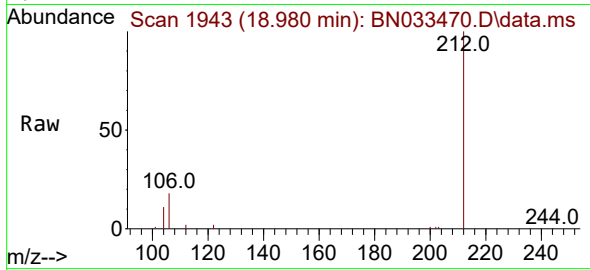






#27  
Fluoranthene-d10  
Concen: 0.360 ng  
RT: 18.980 min Scan# 1943  
Delta R.T. -0.014 min  
Lab File: BN033470.D  
Acq: 17 Aug 2024 16:21

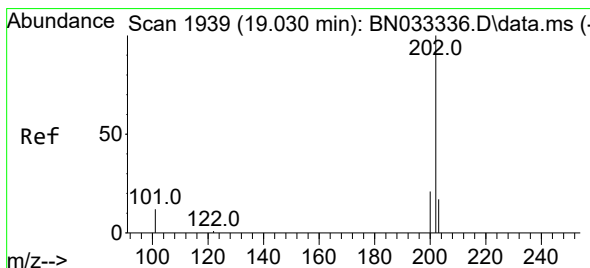
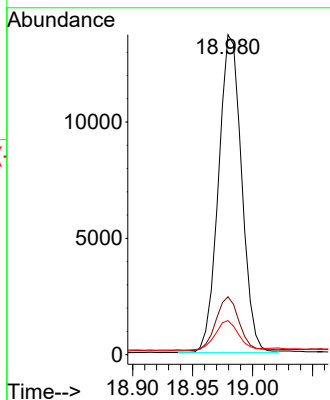
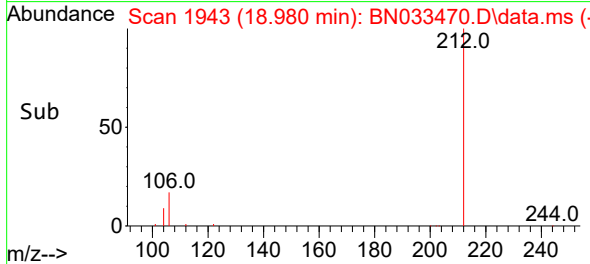
Instrument :  
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917-J-WS-081424



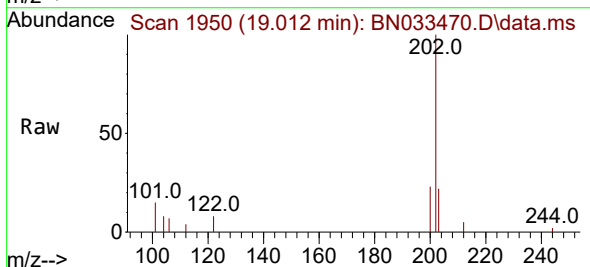
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Ion Ratio Lower Upper  
212 100  
106 17.7 12.8 19.2  
104 9.3 7.1 10.7

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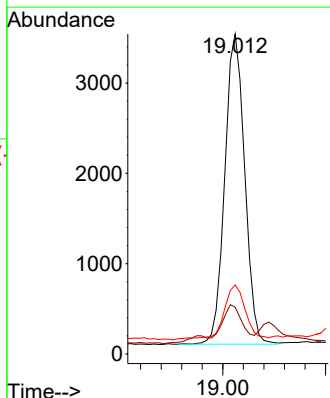
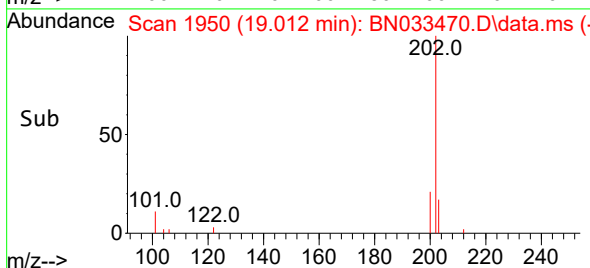
Reviewed By :Jagrut Upadhyay 08/19/2024  
Supervised By :mohammad ahmed 08/21/2024

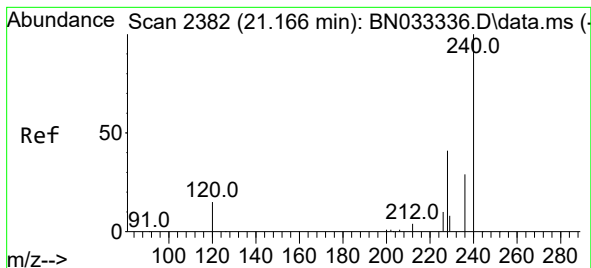


#28  
Fluoranthene  
Concen: 0.068 ng  
RT: 19.012 min Scan# 1950  
Delta R.T. -0.009 min  
Lab File: BN033470.D  
Acq: 17 Aug 2024 16:21



Tgt Ion:202 Resp: 4629  
Ion Ratio Lower Upper  
202 100  
101 11.9 9.8 14.6  
203 19.4 13.8 20.6





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.148 min Scan# 21

Delta R.T. -0.009 min

Lab File: BN033470.D

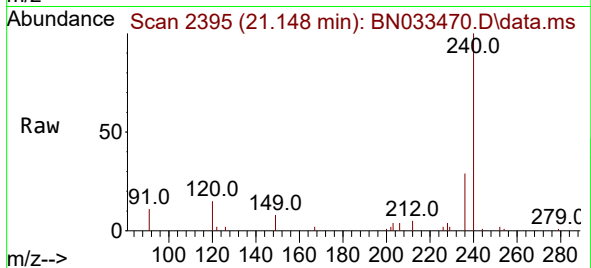
Acq: 17 Aug 2024 16:21

Instrument :

BNA\_N

ClientSampleId :

917-J-WS-081424

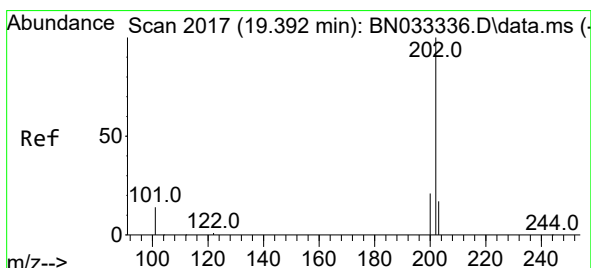
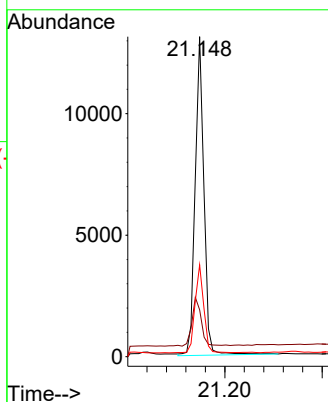
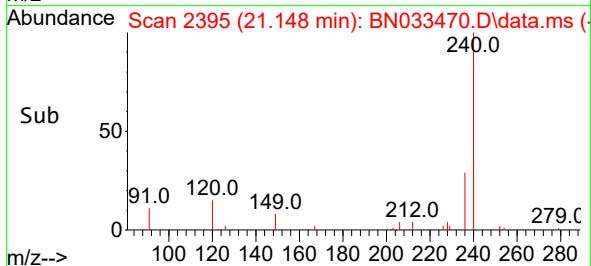


|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 240   | Resp: | 16390 |
| Ion Ratio | Lower | Upper |       |
| 240       | 100   |       |       |
| 120       | 14.6  | 13.0  | 19.6  |
| 236       | 28.7  | 23.2  | 34.8  |

Manual Integrations

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Reviewed By :Jagrut Upadhyay 08/19/2024  
Supervised By :mohammad ahmed 08/21/2024



#30

Pyrene

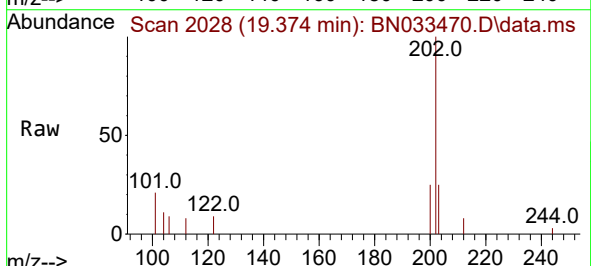
Concen: 0.047 ng

RT: 19.374 min Scan# 2028

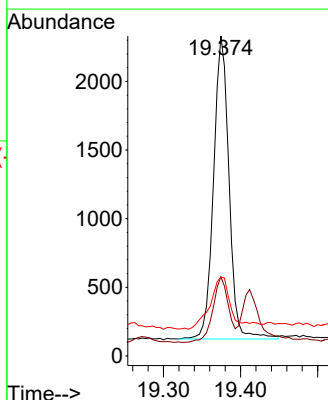
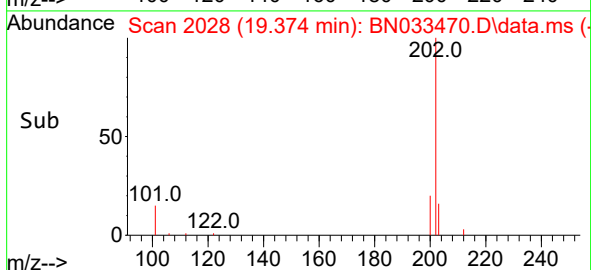
Delta R.T. -0.009 min

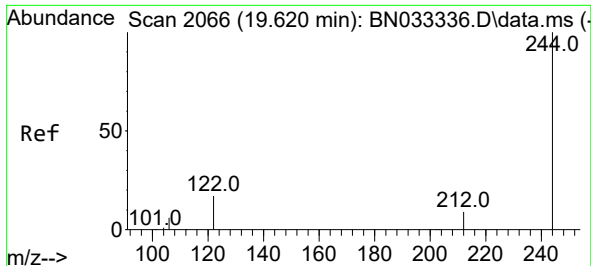
Lab File: BN033470.D

Acq: 17 Aug 2024 16:21



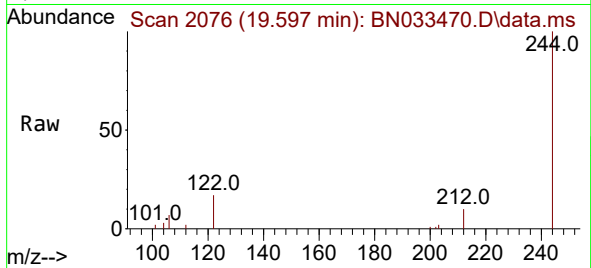
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 202   | Resp: | 3071 |
| Ion Ratio | Lower | Upper |      |
| 202       | 100   |       |      |
| 200       | 21.8  | 16.7  | 25.1 |
| 203       | 21.8  | 14.2  | 21.4 |





#31  
 Terphenyl-d14  
 Concen: 0.465 ng  
 RT: 19.597 min Scan# 2066  
 Delta R.T. -0.009 min  
 Lab File: BN033470.D  
 Acq: 17 Aug 2024 16:21

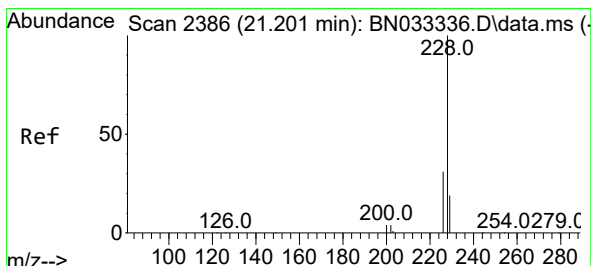
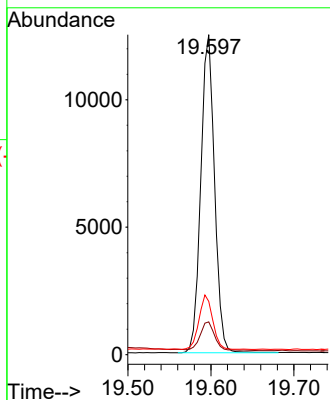
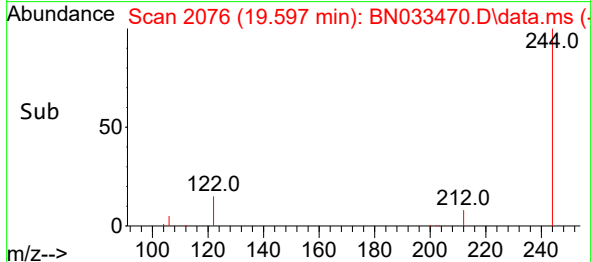
Instrument :  
 BNA\_N  
 ClientSampleId :  
 917-J-WS-081424



Tgt Ion:244 Resp: 1441  
 Ion Ratio Lower Upper  
 244 100  
 212 10.3 7.7 11.5  
 122 16.6 14.0 21.0

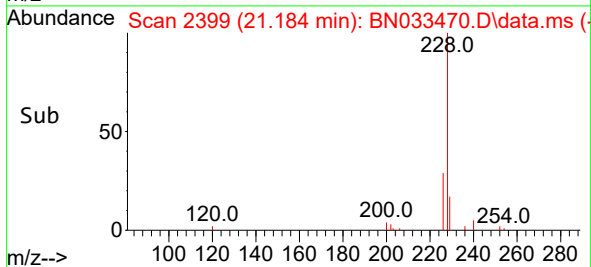
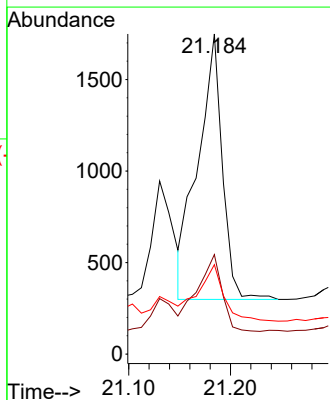
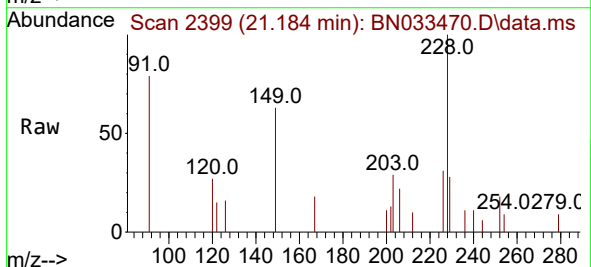
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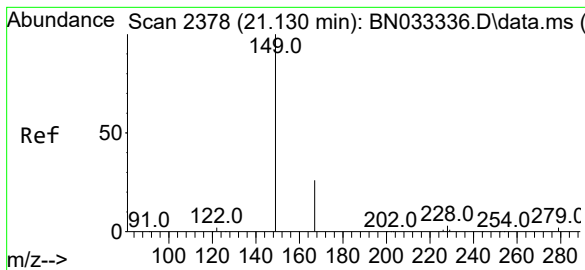
Reviewed By :Jagrut Upadhyay 08/19/2024  
 Supervised By :mohammad ahmed 08/21/2024



#33  
 Chrysene  
 Concen: 0.039 ng  
 RT: 21.184 min Scan# 2399  
 Delta R.T. -0.009 min  
 Lab File: BN033470.D  
 Acq: 17 Aug 2024 16:21

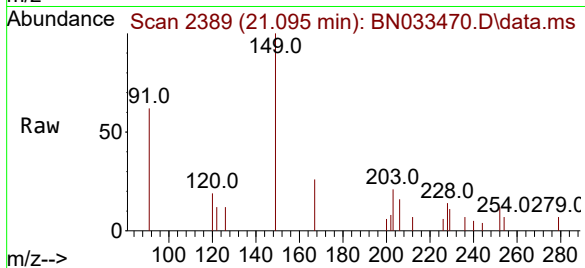
Tgt Ion:228 Resp: 2419  
 Ion Ratio Lower Upper  
 228 100  
 226 31.0 24.7 37.1  
 229 27.9 15.4 23.2#





#34  
 Bis(2-ethylhexyl)phthalate  
 Concen: 0.059 ng  
 RT: 21.095 min Scan# 2109  
 Delta R.T. -0.018 min  
 Lab File: BN033470.D  
 Acq: 17 Aug 2024 16:21

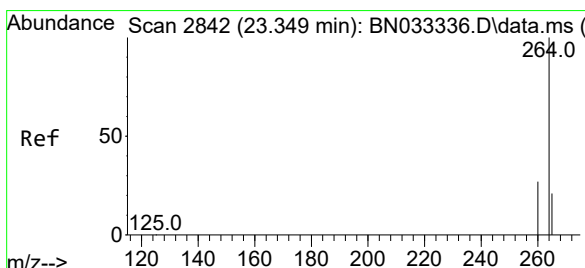
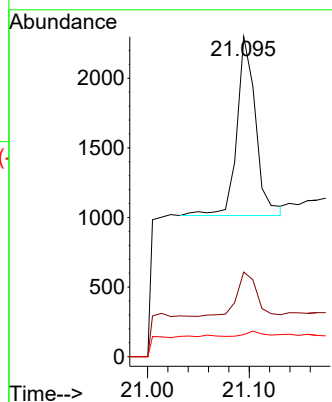
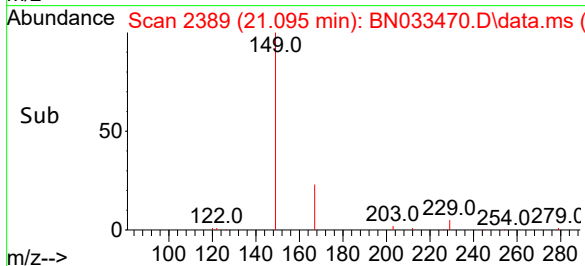
Instrument :  
 BNA\_N  
 ClientSampleId :  
 917-J-WS-081424



Tgt Ion:149 Resp: 1648  
 Ion Ratio Lower Upper  
 149 100  
 167 25.8 20.9 31.3  
 279 3.0 2.2 3.4

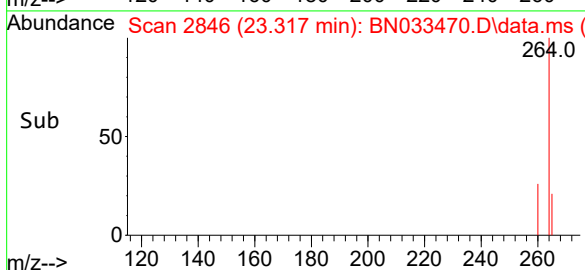
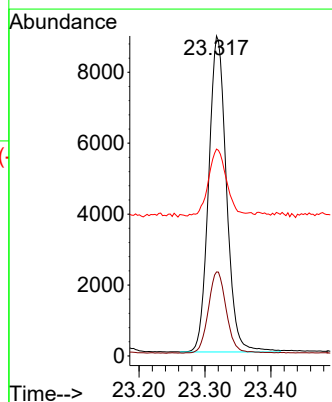
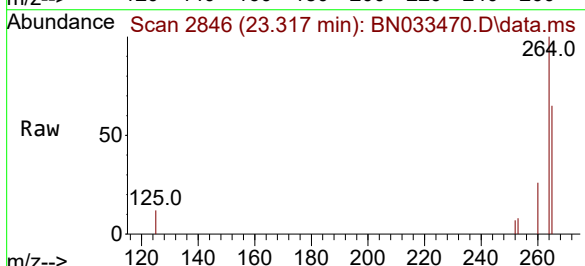
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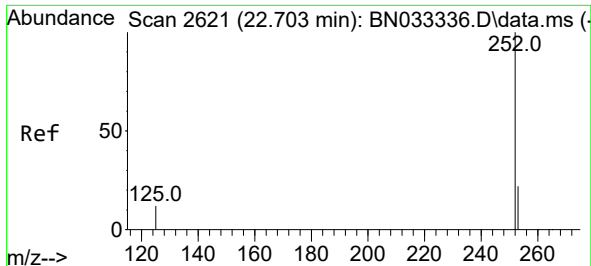
Reviewed By :Jagrut Upadhyay 08/19/2024  
 Supervised By :mohammad ahmed 08/21/2024



#35  
 Perylene-d12  
 Concen: 0.400 ng  
 RT: 23.317 min Scan# 2846  
 Delta R.T. -0.015 min  
 Lab File: BN033470.D  
 Acq: 17 Aug 2024 16:21

Tgt Ion:264 Resp: 16749  
 Ion Ratio Lower Upper  
 264 100  
 260 26.3 21.6 32.4  
 265 64.6 29.3 43.9#





#37

Benzo(b)fluoranthene

Concen: 0.044 ng

RT: 22.674 min Scan# 2626

Delta R.T. -0.012 min

Lab File: BN033470.D

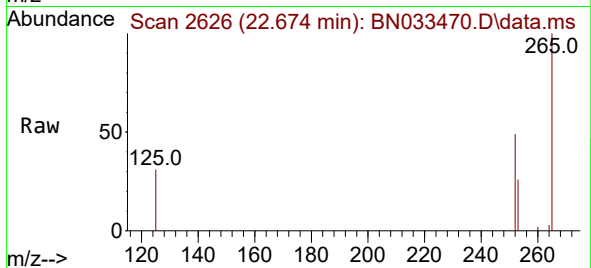
Acq: 17 Aug 2024 16:21

Instrument :

BNA\_N

ClientSampleId :

917-J-WS-081424

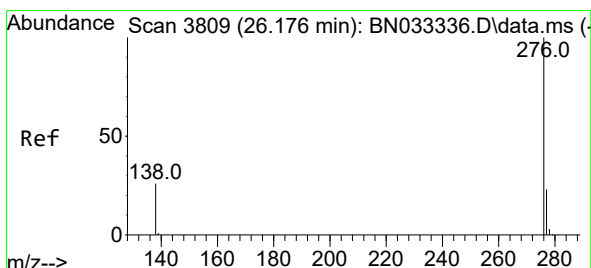
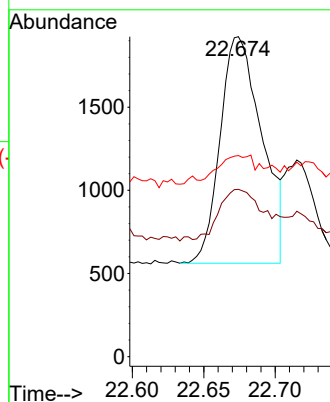


| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 52.3  | 18.2  | 27.2  |
| 125     | 62.8  | 11.3  | 16.9  |

Manual Integrations

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Reviewed By :Jagrut Upadhyay 08/19/2024  
Supervised By :mohammad ahmed 08/21/2024



#41

Benzo(g,h,i)perylene

Concen: 0.021 ng

RT: 26.124 min Scan# 3806

Delta R.T. -0.026 min

Lab File: BN033470.D

Acq: 17 Aug 2024 16:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 44.4  | 19.4  | 29.2  |
| 138     | 55.8  | 21.6  | 32.4  |

