

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN082324\  
 Data File : BN033611.D  
 Acq On : 24 Aug 2024 04:44  
 Operator : MA/JU  
 Sample : P3663-02DL 5X  
 Misc :  
 ALS Vial : 30 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 920-J-SD-0.5-1-081624DL

Quant Time: Aug 24 06:04:32 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN081924.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Aug 23 00:22:18 2024  
 Response via : Initial Calibration

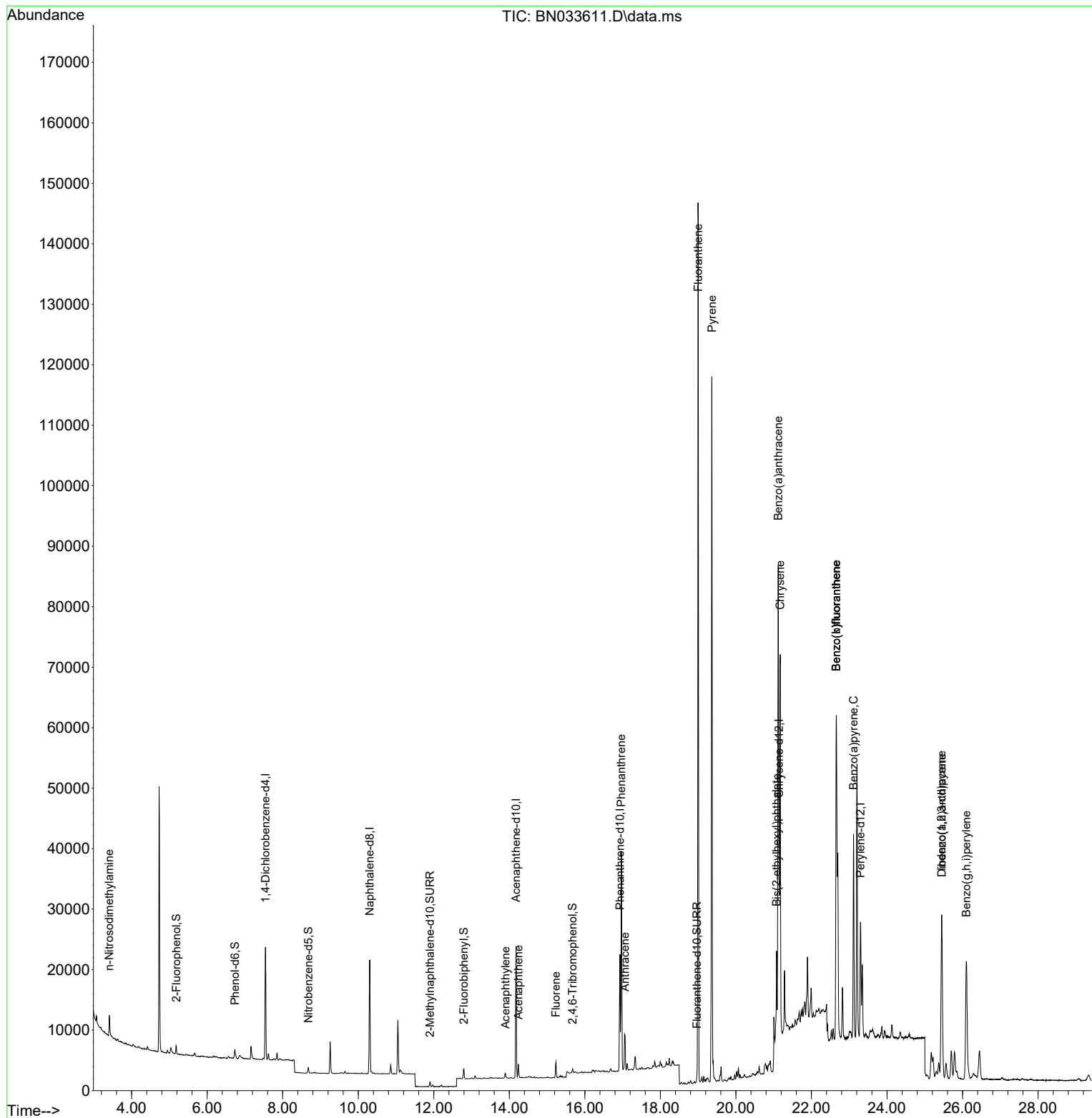
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.545  | 152  | 8839     | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.304 | 136  | 23316    | 0.400 | ng    | # 0.00   |
| 13) Acenaphthene-d10          | 14.178 | 164  | 11775    | 0.400 | ng    | 0.00     |
| 19) Phenanthrene-d10          | 16.929 | 188  | 23897    | 0.400 | ng    | 0.00     |
| 29) Chrysene-d12              | 21.139 | 240  | 20566    | 0.400 | ng    | # 0.00   |
| 35) Perylene-d12              | 23.300 | 264  | 23294    | 0.400 | ng    | 0.00     |
|                               |        |      |          |       |       |          |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.183  | 112  | 1042     | 0.037 | ng    | 0.00     |
| 5) Phenol-d6                  | 6.736  | 99   | 1264     | 0.038 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 8.681  | 82   | 766      | 0.040 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10   | 11.900 | 152  | 1092     | 0.033 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 15.676 | 330  | 253      | 0.040 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl          | 12.799 | 172  | 1415     | 0.029 | ng    | 0.00     |
| 27) Fluoranthene-d10          | 18.970 | 212  | 1468     | 0.026 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.583 | 244  | 873      | 0.019 | ng    | 0.00     |
|                               |        |      |          |       |       |          |
| Target Compounds              |        |      |          |       |       | Qvalue   |
| 3) n-Nitrosodimethylamine     | 3.407  | 42   | 822      | 0.069 | ng    | # 1      |
| 16) Acenaphthylene            | 13.900 | 152  | 1120     | 0.022 | ng    | 96       |
| 17) Acenaphthene              | 14.242 | 154  | 1096     | 0.030 | ng    | 98       |
| 18) Fluorene                  | 15.236 | 166  | 1702     | 0.037 | ng    | # 99     |
| 25) Phenanthrene              | 16.967 | 178  | 35774    | 0.538 | ng    | 100      |
| 26) Anthracene                | 17.066 | 178  | 7186     | 0.122 | ng    | 98       |
| 28) Fluoranthene              | 18.998 | 202  | 125826   | 1.713 | ng    | 100      |
| 30) Pyrene                    | 19.365 | 202  | 105000   | 1.144 | ng    | # 94     |
| 32) Benzo(a)anthracene        | 21.121 | 228  | 60316    | 0.811 | ng    | 98       |
| 33) Chrysene                  | 21.175 | 228  | 61941    | 0.838 | ng    | 97       |
| 34) Bis(2-ethylhexyl)phtha... | 21.077 | 149  | 14859    | 0.316 | ng    | # 84     |
| 36) Indeno(1,2,3-cd)pyrene    | 25.449 | 276  | 39371    | 0.407 | ng    | 94       |
| 37) Benzo(b)fluoranthene      | 22.660 | 252  | 87912    | 1.011 | ng    | 98       |
| 38) Benzo(k)fluoranthene      | 22.660 | 252  | 87912    | 1.027 | ng    | # 95     |
| 39) Benzo(a)pyrene            | 23.116 | 252  | 40342    | 0.560 | ng    | 99       |
| 40) Dibenzo(a,h)anthracene    | 25.455 | 278  | 9388     | 0.121 | ng    | # 79     |
| 41) Benzo(g,h,i)perylene      | 26.101 | 276  | 37590    | 0.455 | ng    | 99       |
| -----                         |        |      |          |       |       |          |

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

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Sample : P3663-02DL 5X  
Misc :  
ALS Vial : 30 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
920-J-SD-0.5-1-081624DL

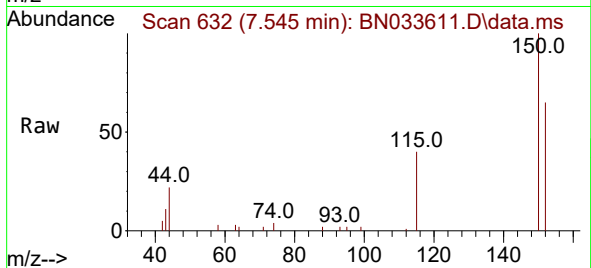
Quant Time: Aug 24 06:04:32 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN081924.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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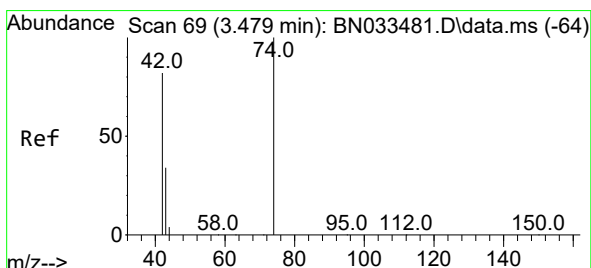
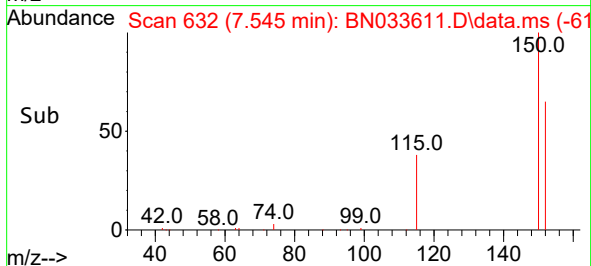
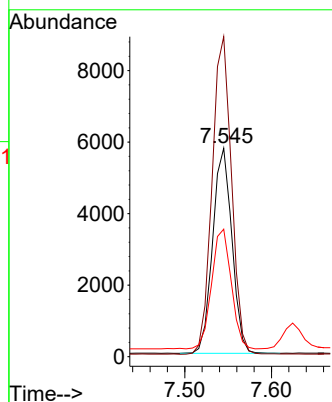


#1  
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.545 min Scan# 61  
Delta R.T. -0.000 min  
Lab File: BN033611.D  
Acq: 24 Aug 2024 04:44

Instrument :  
BNA\_N  
ClientSampleId :  
920-J-SD-0.5-1-081624DL

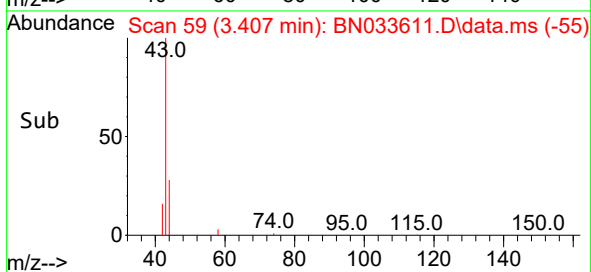
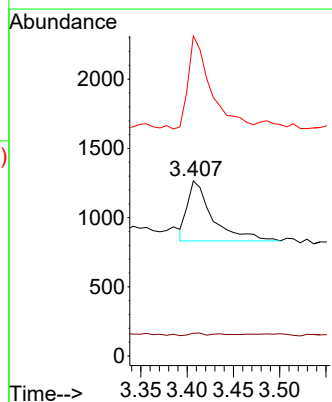
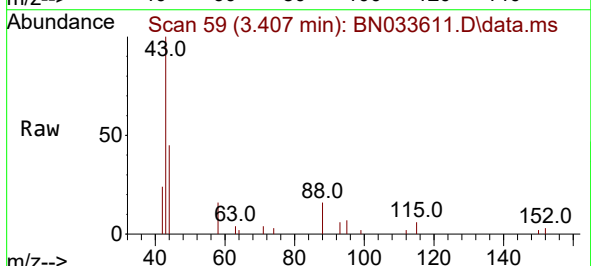


Tgt Ion:152 Resp: 8839  
Ion Ratio Lower Upper  
152 100  
150 153.5 122.2 183.2  
115 61.2 47.2 70.8



#3  
n-Nitrosodimethylamine  
Concen: 0.069 ng  
RT: 3.407 min Scan# 59  
Delta R.T. -0.072 min  
Lab File: BN033611.D  
Acq: 24 Aug 2024 04:44

Tgt Ion: 42 Resp: 822  
Ion Ratio Lower Upper  
42 100  
74 2.4 100.2 150.2#  
44 131.6 5.3 7.9#

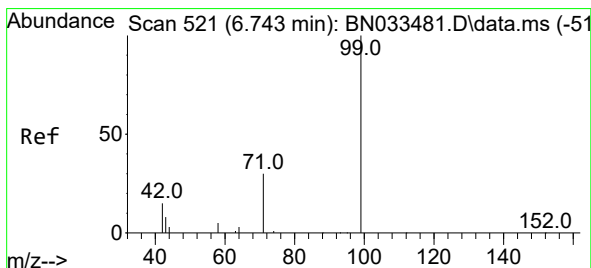
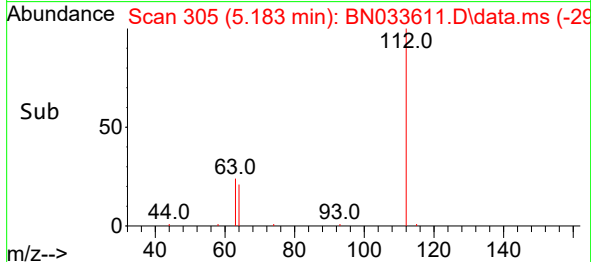
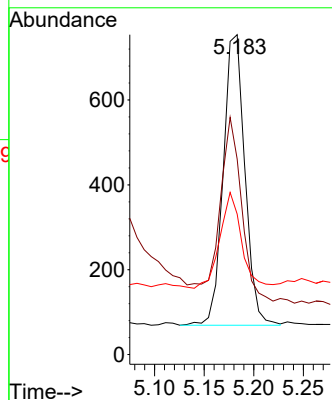
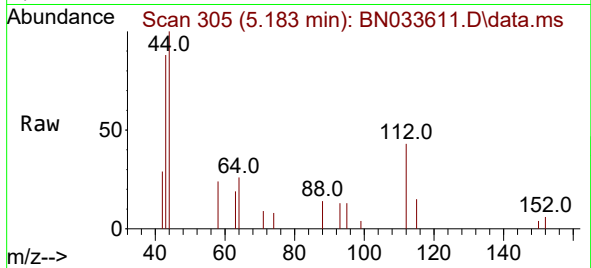




#4  
2-Fluorophenol  
Concen: 0.037 ng  
RT: 5.183 min Scan# 30  
Delta R.T. 0.007 min  
Lab File: BN033611.D  
Acq: 24 Aug 2024 04:44

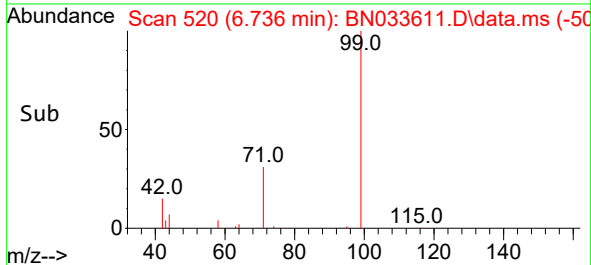
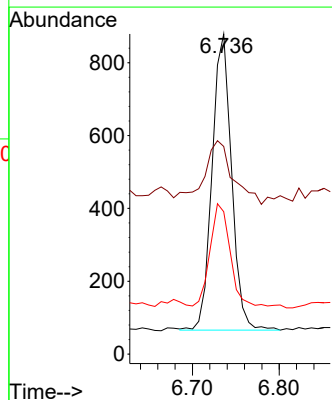
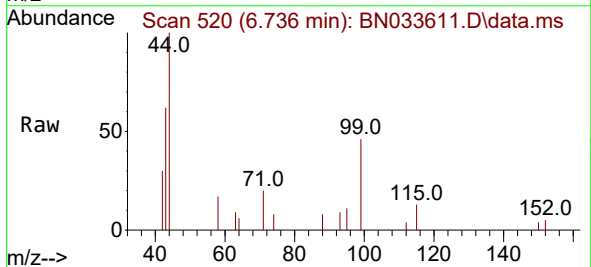
Instrument :  
BNA\_N  
ClientSampleId :  
920-J-SD-0.5-1-081624DL

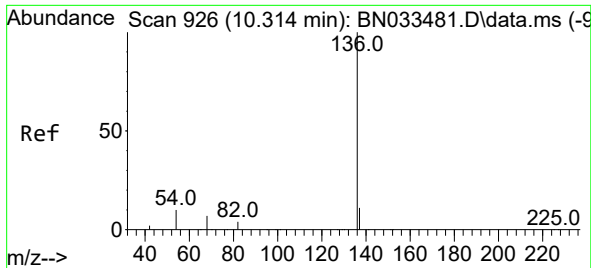
Tgt Ion:112 Resp: 1042  
Ion Ratio Lower Upper  
112 100  
64 64.5 47.1 70.7  
63 33.1 24.9 37.3



#5  
Phenol-d6  
Concen: 0.038 ng  
RT: 6.736 min Scan# 520  
Delta R.T. 0.007 min  
Lab File: BN033611.D  
Acq: 24 Aug 2024 04:44

Tgt Ion: 99 Resp: 1264  
Ion Ratio Lower Upper  
99 100  
42 32.5 16.6 24.8#  
71 35.2 26.2 39.4

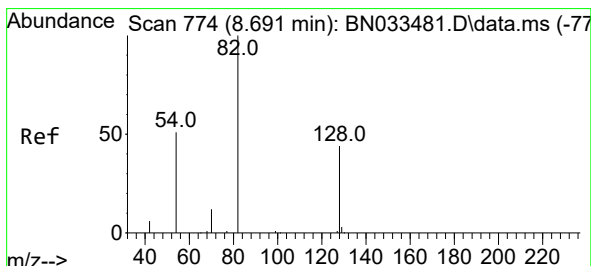
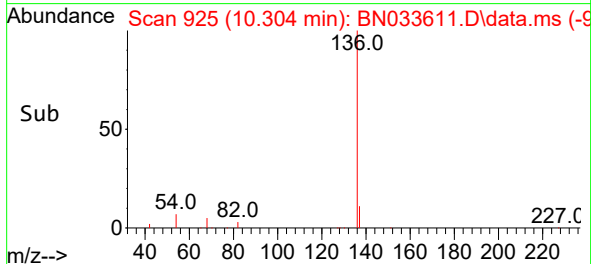
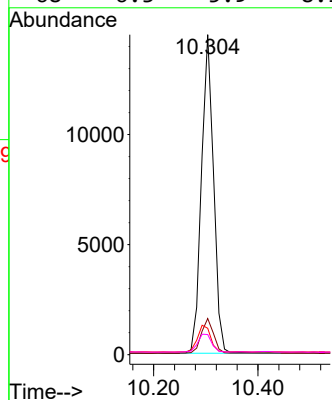
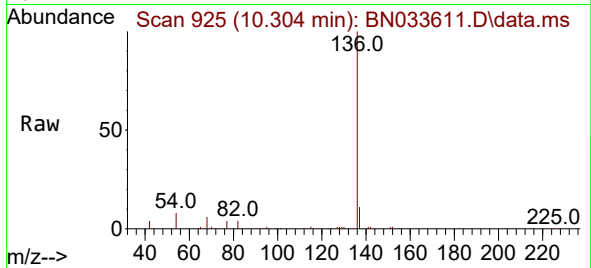




#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.304 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: BN033611.D  
Acq: 24 Aug 2024 04:44

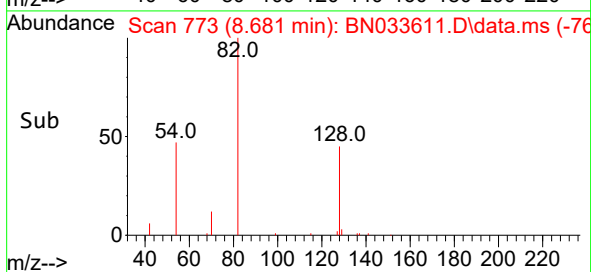
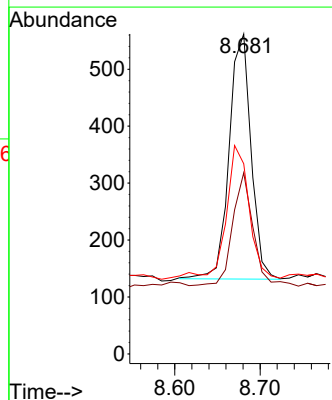
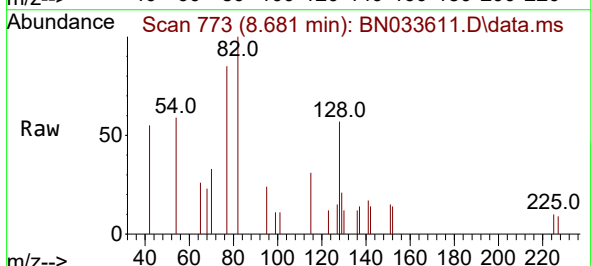
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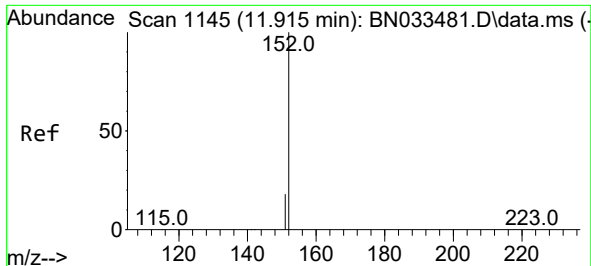
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 136   | Resp: | 23316 |
| Ion Ratio | Lower | Upper |       |
| 136       | 100   |       |       |
| 137       | 11.3  | 9.0   | 13.6  |
| 54        | 8.3   | 8.3   | 12.5# |
| 68        | 6.3   | 5.9   | 8.9   |



#8  
Nitrobenzene-d5  
Concen: 0.040 ng  
RT: 8.681 min Scan# 773  
Delta R.T. -0.000 min  
Lab File: BN033611.D  
Acq: 24 Aug 2024 04:44

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 82    | Resp: | 766   |
| Ion Ratio | Lower | Upper |       |
| 82        | 100   |       |       |
| 128       | 56.6  | 36.0  | 54.0# |
| 54        | 59.4  | 42.0  | 63.0  |

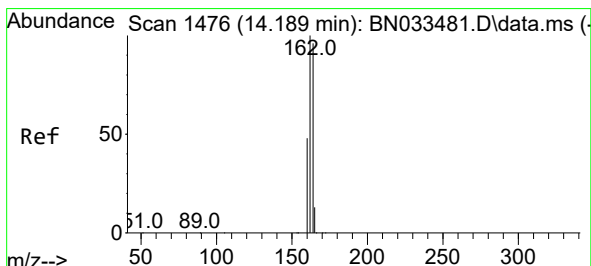
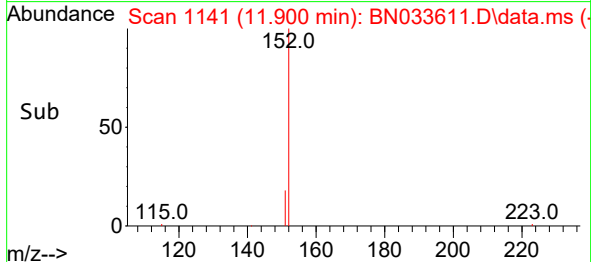
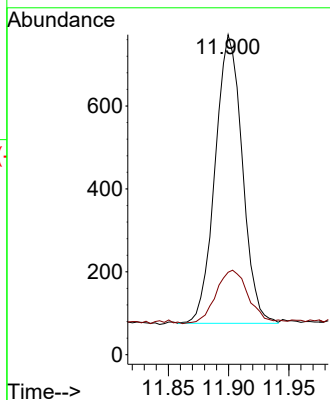
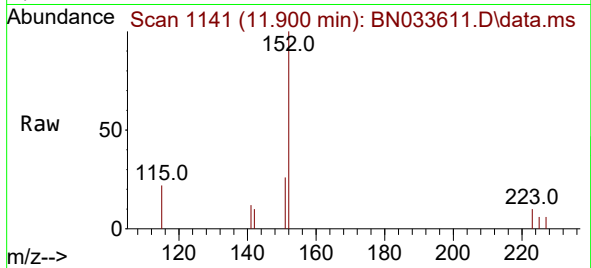




#11  
2-Methylnaphthalene-d10  
Concen: 0.033 ng  
RT: 11.900 min Scan# 1145  
Delta R.T. -0.004 min  
Lab File: BN033611.D  
Acq: 24 Aug 2024 04:44

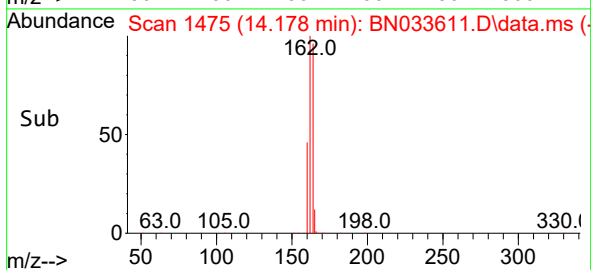
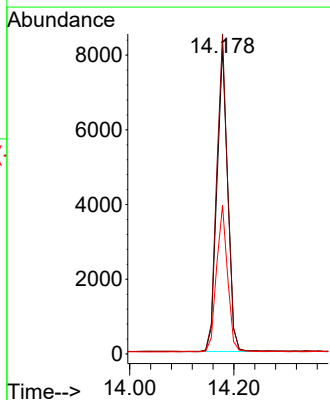
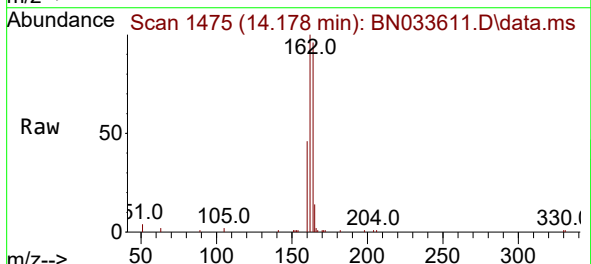
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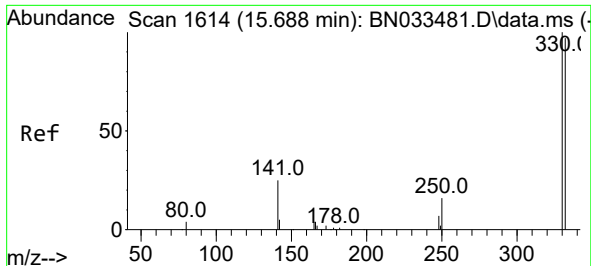
Tgt Ion:152 Resp: 1092  
Ion Ratio Lower Upper  
152 100  
151 22.5 16.6 25.0



#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.178 min Scan# 1475  
Delta R.T. -0.000 min  
Lab File: BN033611.D  
Acq: 24 Aug 2024 04:44

Tgt Ion:164 Resp: 11775  
Ion Ratio Lower Upper  
164 100  
162 104.2 83.5 125.3  
160 48.4 40.2 60.4

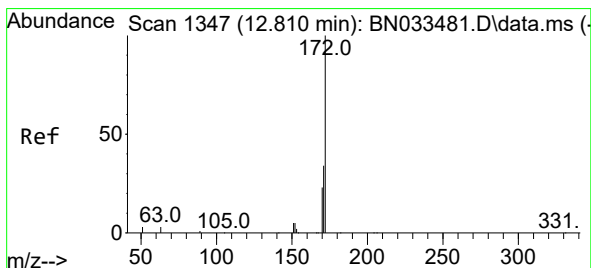
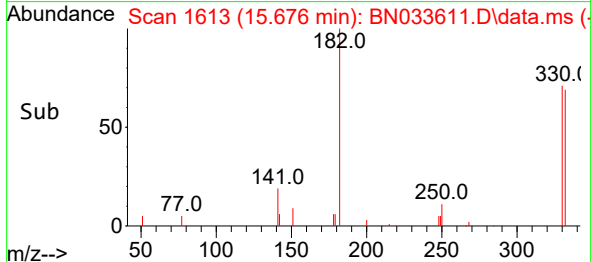
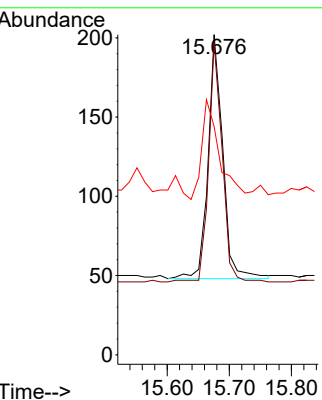
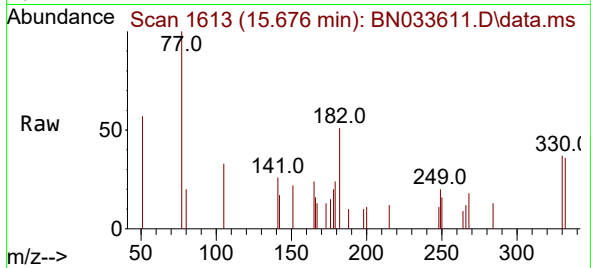




#14  
2,4,6-Tribromophenol  
Concen: 0.040 ng  
RT: 15.676 min Scan# 1  
Delta R.T. -0.000 min  
Lab File: BN033611.D  
Acq: 24 Aug 2024 04:44

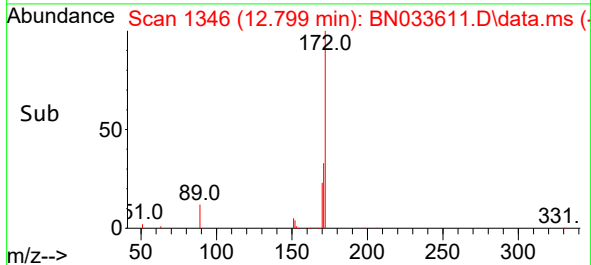
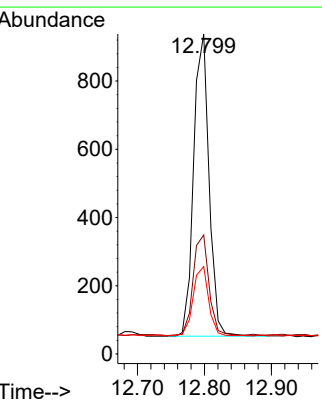
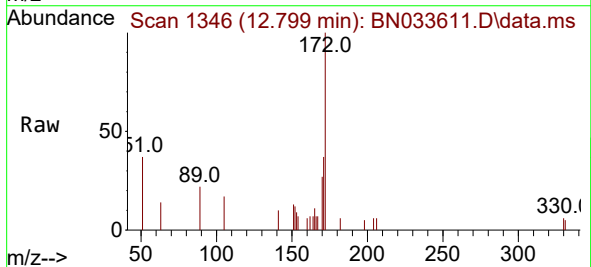
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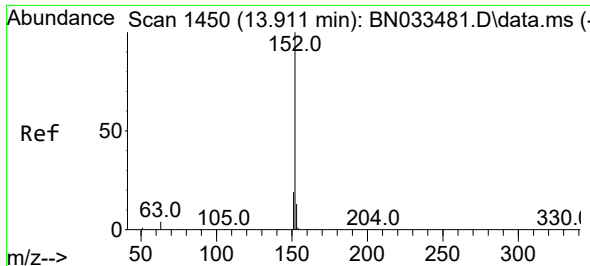
Tgt Ion:330 Resp: 253  
Ion Ratio Lower Upper  
330 100  
332 89.3 77.5 116.3  
141 51.0 33.9 50.9#



#15  
2-Fluorobiphenyl  
Concen: 0.029 ng  
RT: 12.799 min Scan# 1346  
Delta R.T. -0.000 min  
Lab File: BN033611.D  
Acq: 24 Aug 2024 04:44

Tgt Ion:172 Resp: 1415  
Ion Ratio Lower Upper  
172 100  
171 37.2 27.7 41.5  
170 27.3 18.3 27.5

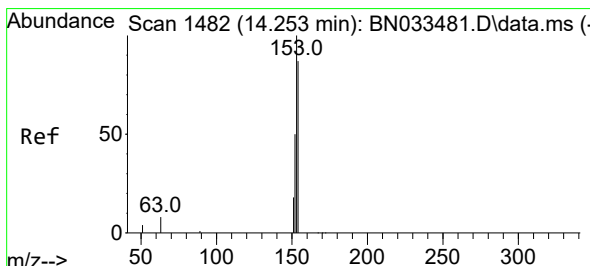
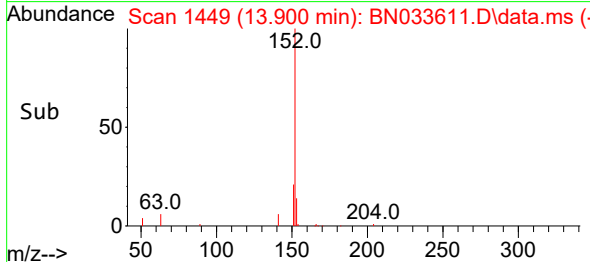
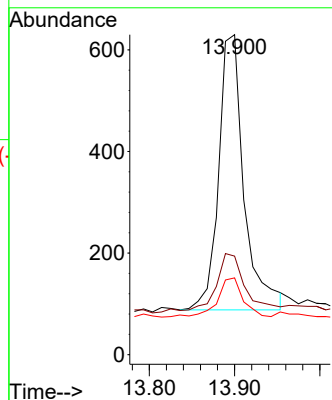
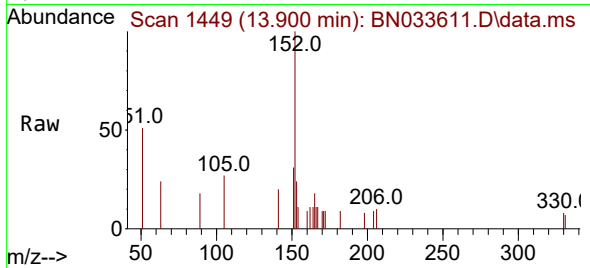




#16  
Acenaphthylene  
Concen: 0.022 ng  
RT: 13.900 min Scan# 1450  
Delta R.T. -0.000 min  
Lab File: BN033611.D  
Acq: 24 Aug 2024 04:44

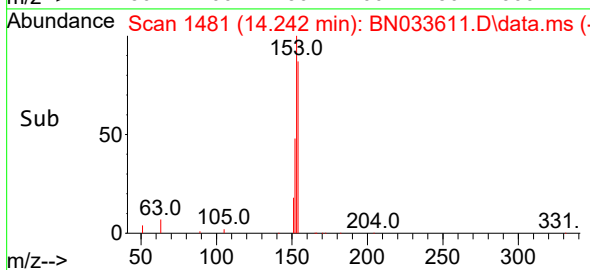
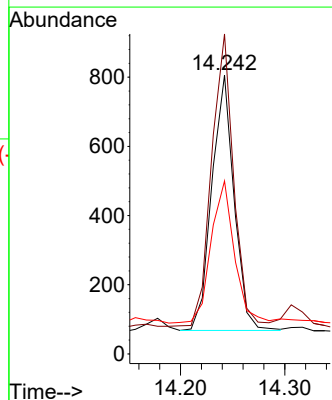
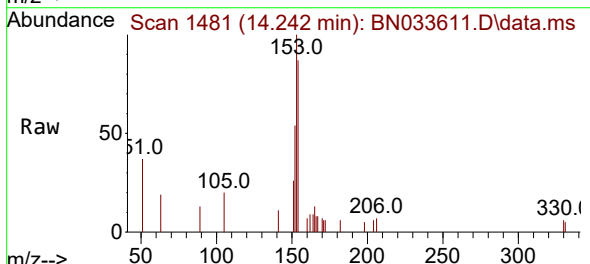
Instrument :  
BNA\_N  
ClientSampleId :  
920-J-SD-0.5-1-081624DL

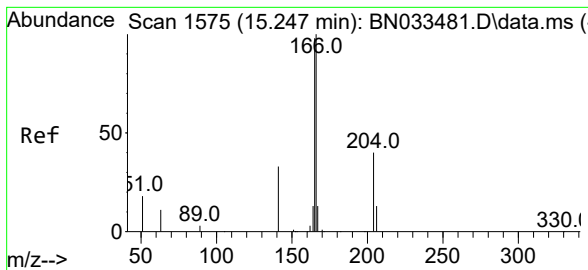
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:152 | Resp: | 1120      |
| Ion Ratio   | Lower | Upper     |
| 152         | 100   |           |
| 151         | 22.4  | 15.7 23.5 |
| 153         | 13.7  | 10.3 15.5 |



#17  
Acenaphthene  
Concen: 0.030 ng  
RT: 14.242 min Scan# 1481  
Delta R.T. -0.000 min  
Lab File: BN033611.D  
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|             |       |            |
|-------------|-------|------------|
| Tgt Ion:154 | Resp: | 1096       |
| Ion Ratio   | Lower | Upper      |
| 154         | 100   |            |
| 153         | 113.0 | 89.0 133.6 |
| 152         | 58.3  | 45.2 67.8  |

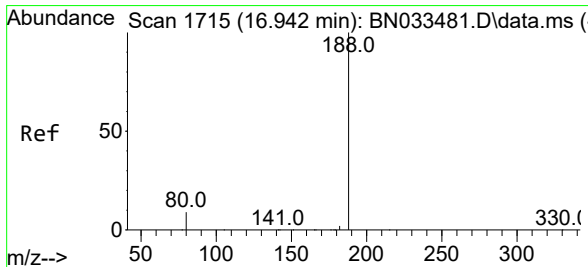
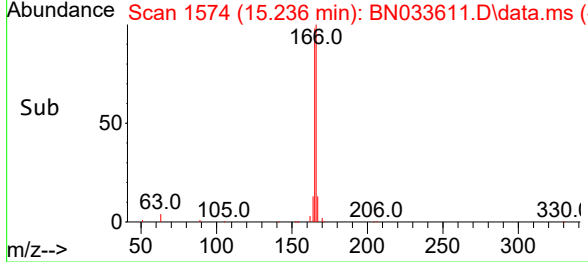
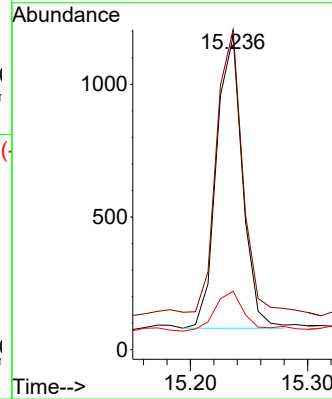
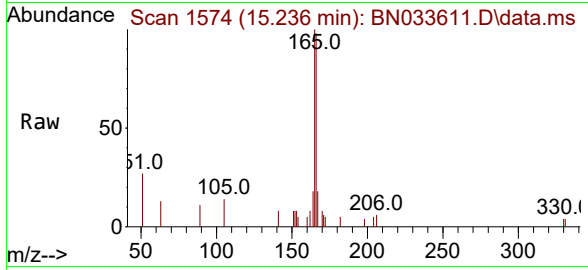




#18  
 Fluorene  
 Concen: 0.037 ng  
 RT: 15.236 min Scan# 11  
 Delta R.T. -0.000 min  
 Lab File: BN033611.D  
 Acq: 24 Aug 2024 04:44

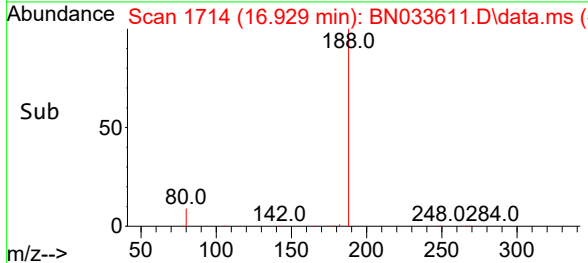
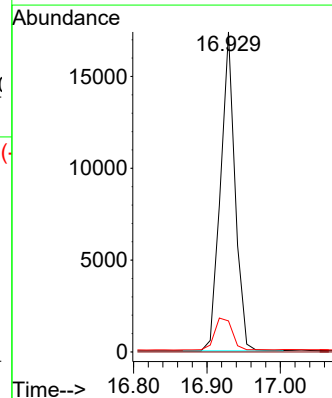
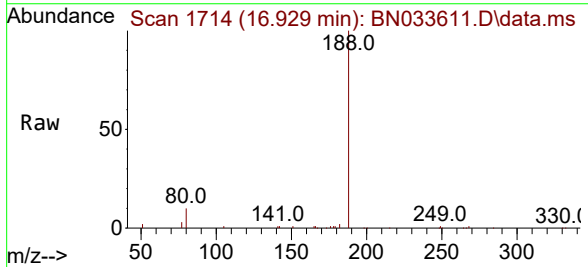
Instrument :  
 BNA\_N  
 ClientSampleId :  
 920-J-SD-0.5-1-081624DL

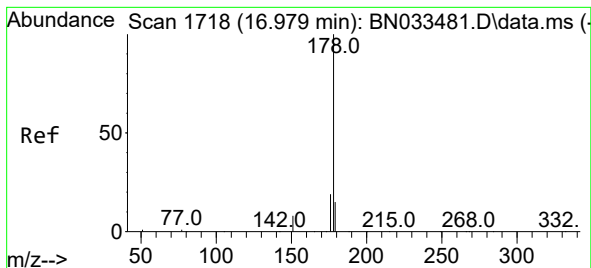
Tgt Ion:166 Resp: 1702  
 Ion Ratio Lower Upper  
 166 100  
 165 98.4 78.2 117.4  
 167 16.2 10.6 16.0#



#19  
 Phenanthrene-d10  
 Concen: 0.400 ng  
 RT: 16.929 min Scan# 1714  
 Delta R.T. -0.000 min  
 Lab File: BN033611.D  
 Acq: 24 Aug 2024 04:44

Tgt Ion:188 Resp: 23897  
 Ion Ratio Lower Upper  
 188 100  
 94 0.0 0.0 0.0  
 80 9.7 7.8 11.8





#25

Phenanthrene

Concen: 0.538 ng

RT: 16.967 min Scan# 1717

Delta R.T. -0.000 min

Lab File: BN033611.D

Acq: 24 Aug 2024 04:44

Instrument :

BNA\_N

ClientSampleId :

920-J-SD-0.5-1-081624DL

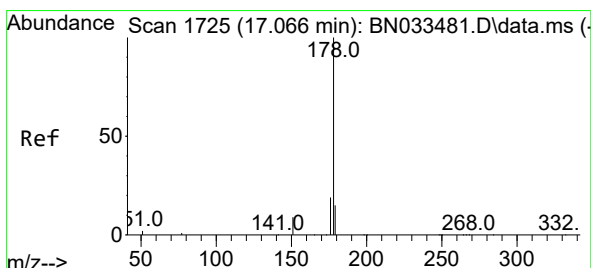
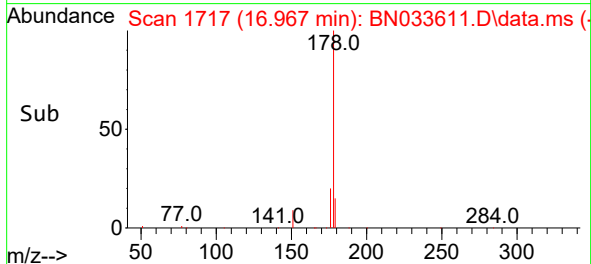
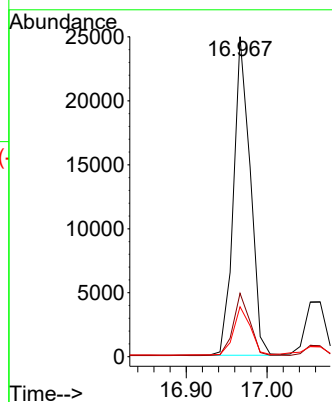
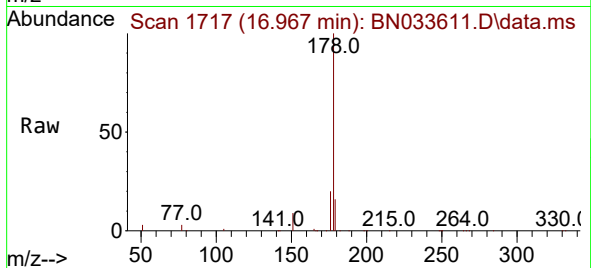
Tgt Ion:178 Resp: 35774

Ion Ratio Lower Upper

178 100

176 19.1 15.3 22.9

179 15.4 12.3 18.5



#26

Anthracene

Concen: 0.122 ng

RT: 17.066 min Scan# 1725

Delta R.T. -0.000 min

Lab File: BN033611.D

Acq: 24 Aug 2024 04:44

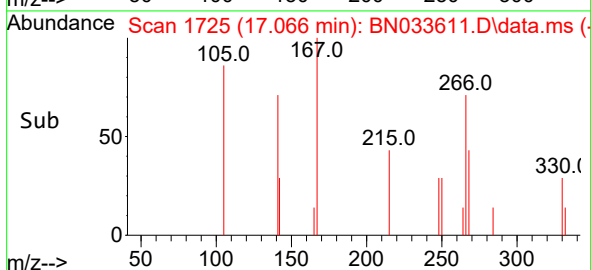
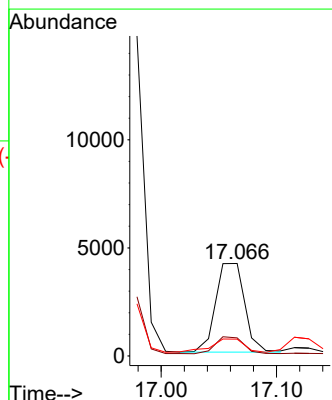
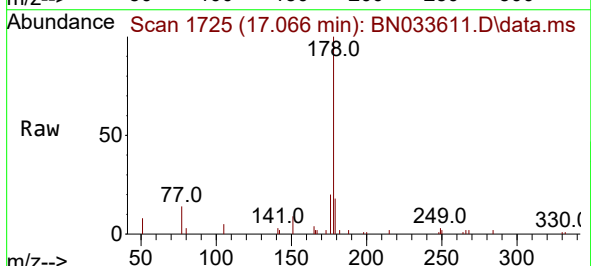
Tgt Ion:178 Resp: 7186

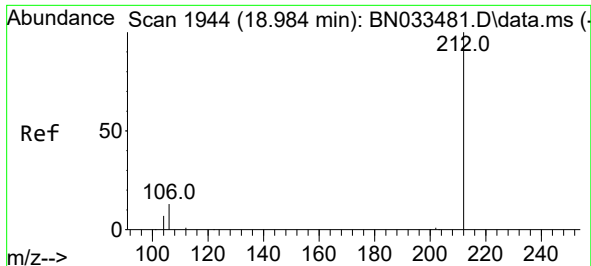
Ion Ratio Lower Upper

178 100

176 18.4 15.0 22.6

179 17.3 12.4 18.6





#27

Fluoranthene-d10

Concen: 0.026 ng

RT: 18.970 min Scan# 1941

Delta R.T. -0.000 min

Lab File: BN033611.D

Acq: 24 Aug 2024 04:44

Instrument :

BNA\_N

ClientSampleId :

920-J-SD-0.5-1-081624DL

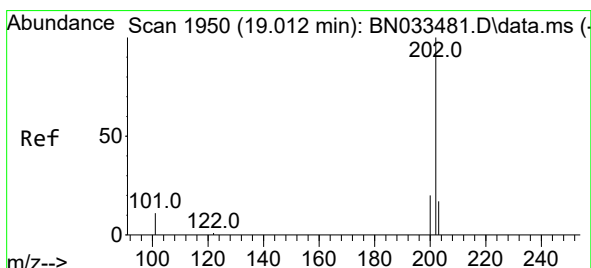
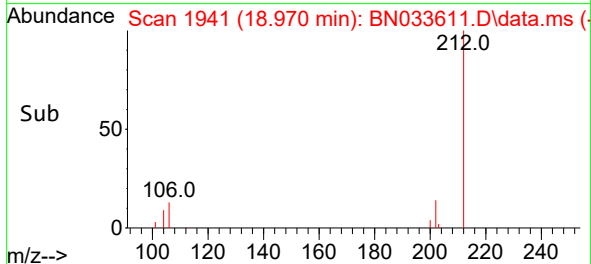
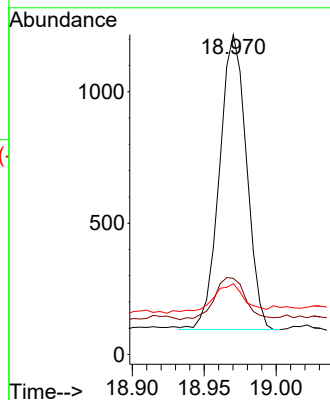
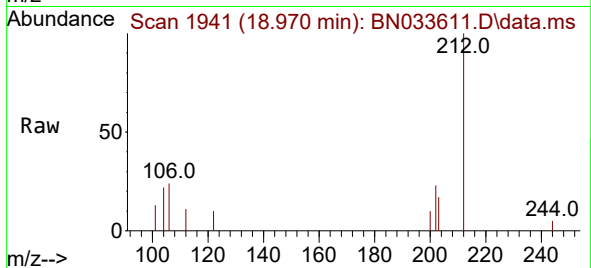
Tgt Ion:212 Resp: 1468

Ion Ratio Lower Upper

212 100

106 16.2 12.3 18.5

104 12.1 7.0 10.4#



#28

Fluoranthene

Concen: 1.713 ng

RT: 18.998 min Scan# 1947

Delta R.T. -0.005 min

Lab File: BN033611.D

Acq: 24 Aug 2024 04:44

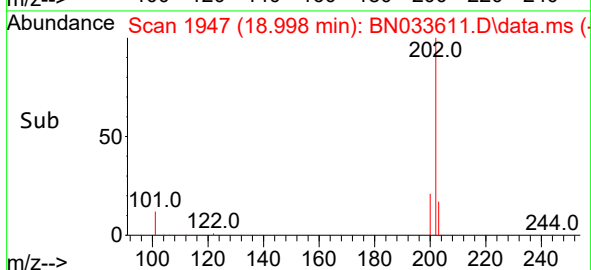
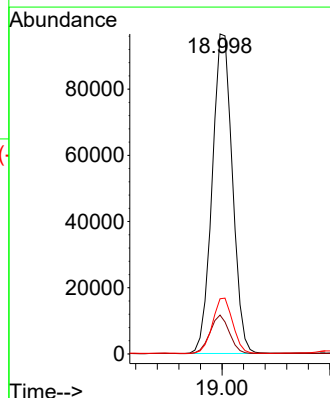
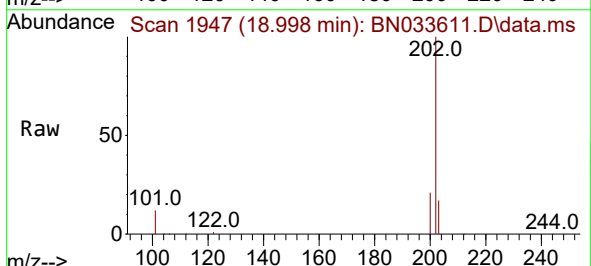
Tgt Ion:202 Resp: 125826

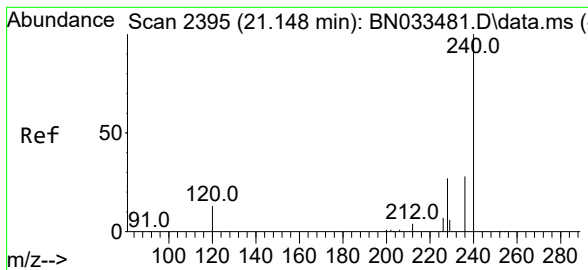
Ion Ratio Lower Upper

202 100

101 11.5 9.5 14.3

203 17.2 13.8 20.6





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.139 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN033611.D

Acq: 24 Aug 2024 04:44

Instrument :

BNA\_N

ClientSampleId :

920-J-SD-0.5-1-081624DL

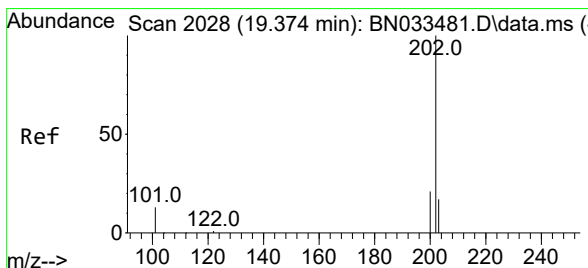
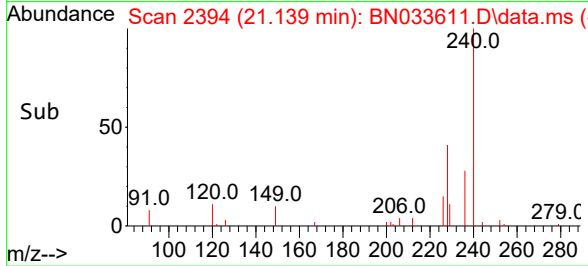
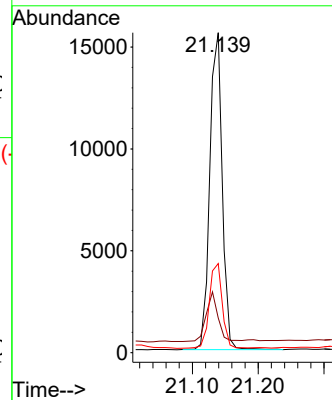
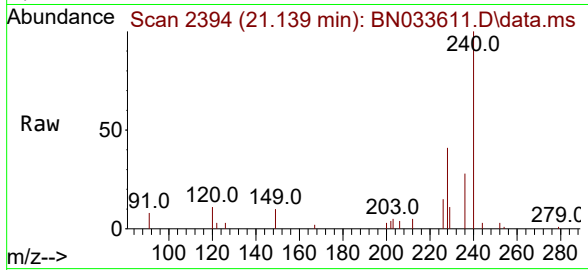
Tgt Ion:240 Resp: 20566

Ion Ratio Lower Upper

240 100

120 10.9 12.4 18.6#

236 27.8 23.0 34.6



#30

Pyrene

Concen: 1.144 ng

RT: 19.365 min Scan# 2026

Delta R.T. -0.000 min

Lab File: BN033611.D

Acq: 24 Aug 2024 04:44

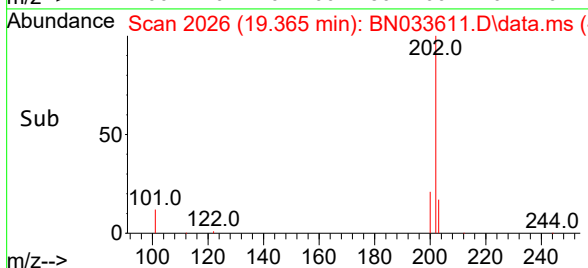
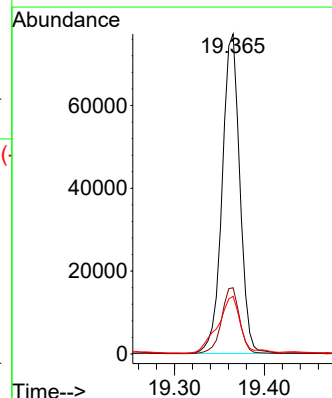
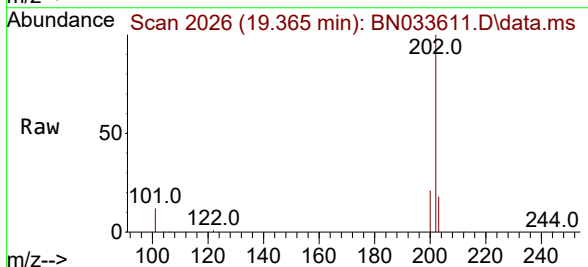
Tgt Ion:202 Resp: 105000

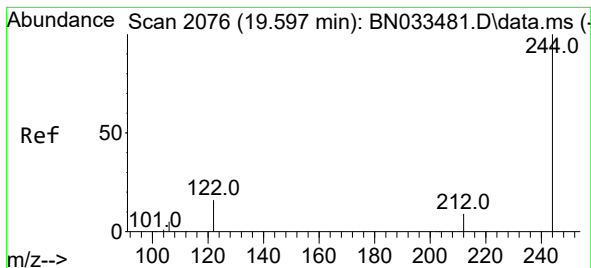
Ion Ratio Lower Upper

202 100

200 21.1 16.6 24.8

203 22.9 14.2 21.4#





#31

Terphenyl-d14

Concen: 0.019 ng

RT: 19.583 min Scan# 2076

Delta R.T. -0.000 min

Lab File: BN033611.D

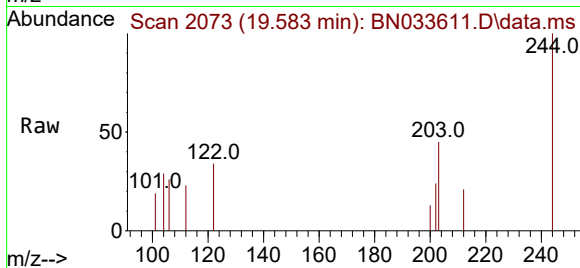
Acq: 24 Aug 2024 04:44

Instrument :

BNA\_N

ClientSampleId :

920-J-SD-0.5-1-081624DL



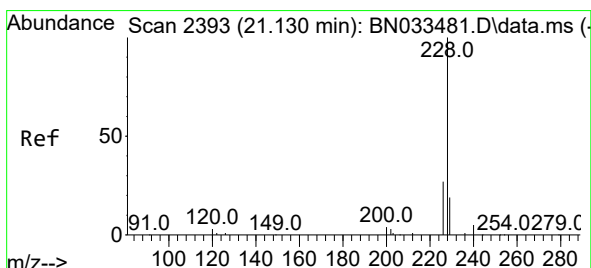
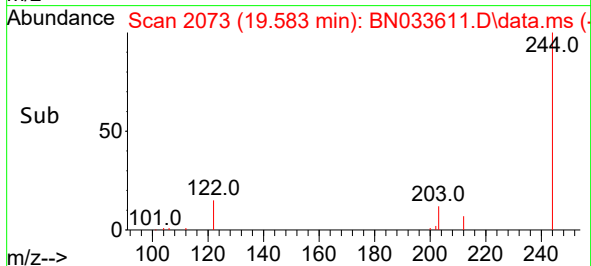
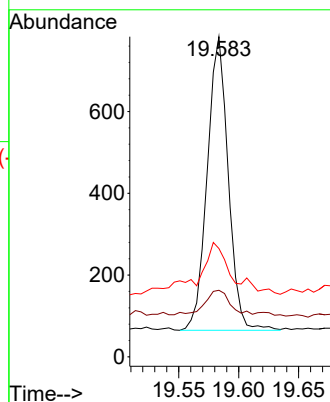
Tgt Ion:244 Resp: 873

Ion Ratio Lower Upper

244 100

212 20.8 7.8 11.6#

122 33.8 13.3 19.9#



#32

Benzo(a)anthracene

Concen: 0.811 ng

RT: 21.121 min Scan# 2392

Delta R.T. -0.000 min

Lab File: BN033611.D

Acq: 24 Aug 2024 04:44

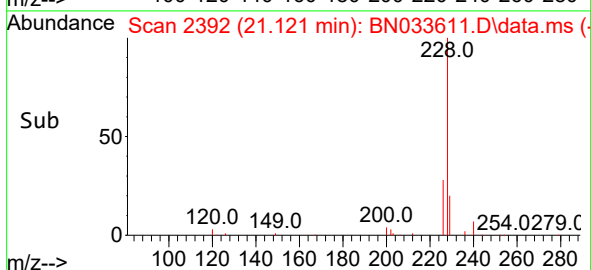
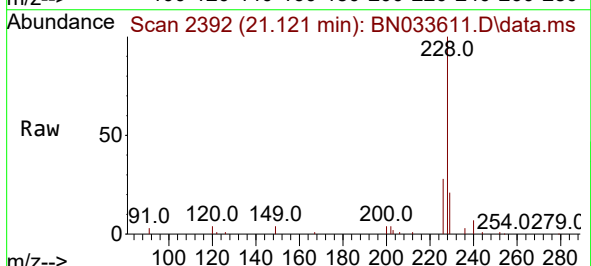
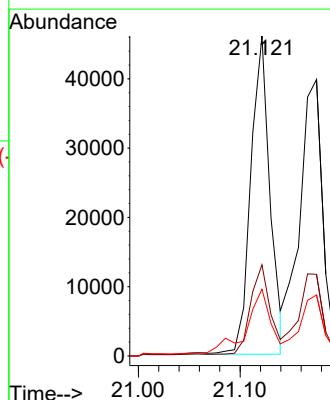
Tgt Ion:228 Resp: 60316

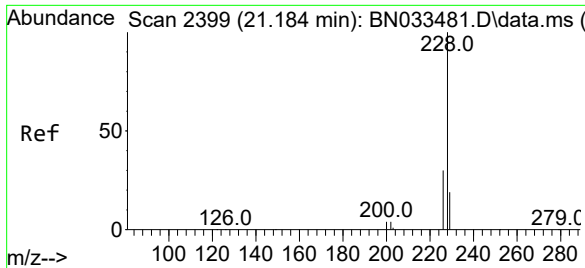
Ion Ratio Lower Upper

228 100

226 28.5 21.8 32.6

229 20.8 15.8 23.6





#33

Chrysene

Concen: 0.838 ng

RT: 21.175 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN033611.D

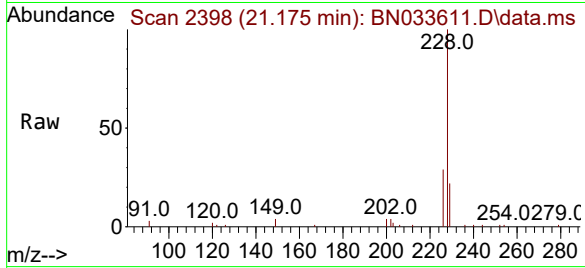
Acq: 24 Aug 2024 04:44

Instrument :

BNA\_N

ClientSampleId :

920-J-SD-0.5-1-081624DL



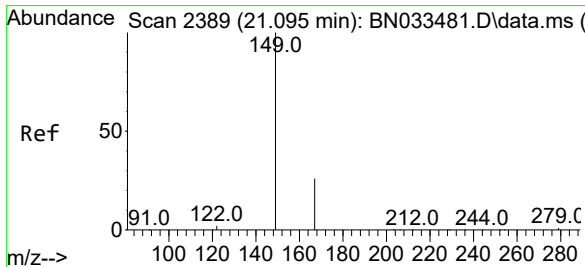
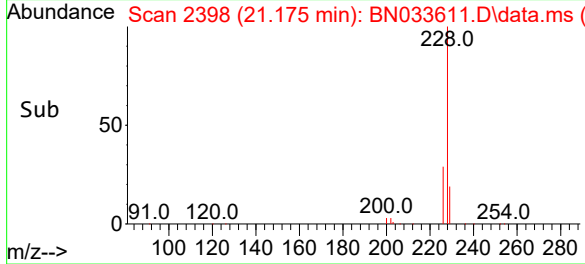
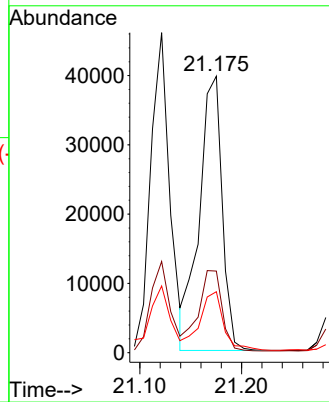
Tgt Ion:228 Resp: 61941

Ion Ratio Lower Upper

228 100

226 29.5 23.8 35.8

229 22.0 15.6 23.4



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.316 ng

RT: 21.077 min Scan# 2387

Delta R.T. -0.009 min

Lab File: BN033611.D

Acq: 24 Aug 2024 04:44

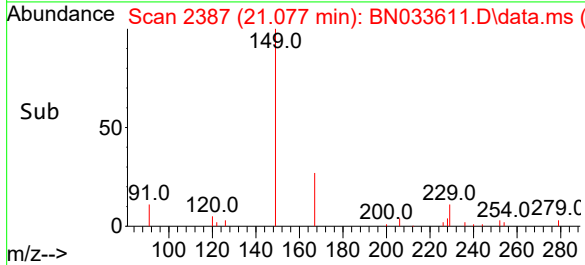
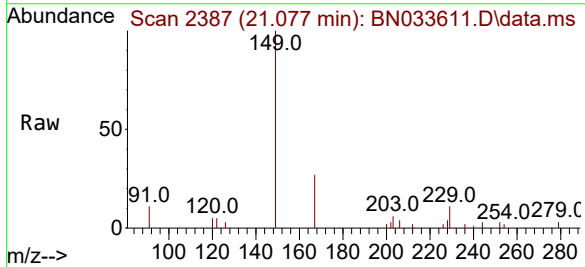
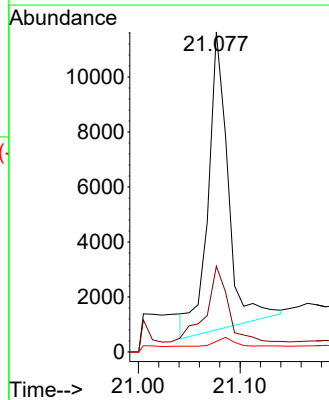
Tgt Ion:149 Resp: 14859

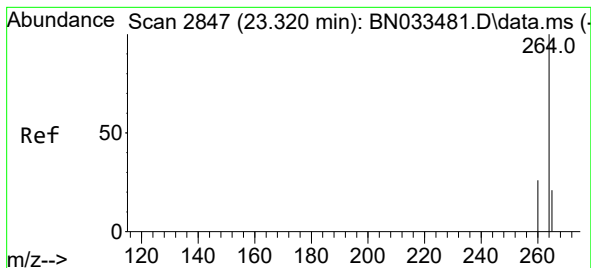
Ion Ratio Lower Upper

149 100

167 35.7 21.5 32.3#

279 4.9 2.2 3.2#





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.300 min Scan# 21

Delta R.T. -0.003 min

Lab File: BN033611.D

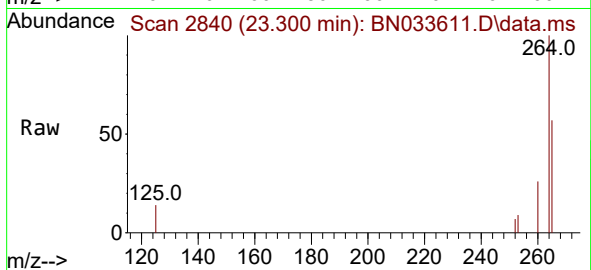
Acq: 24 Aug 2024 04:44

Instrument :

BNA\_N

ClientSampleId :

920-J-SD-0.5-1-081624DL



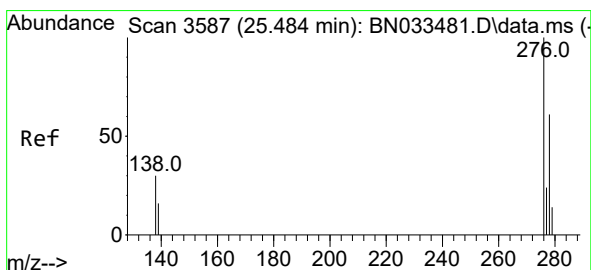
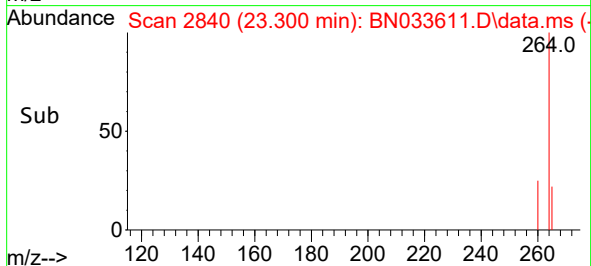
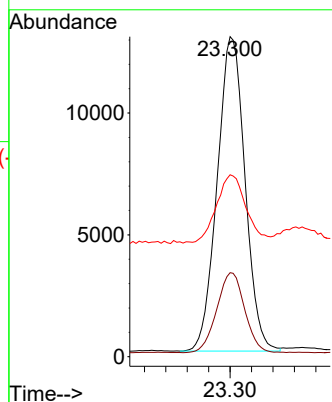
Tgt Ion:264 Resp: 23294

Ion Ratio Lower Upper

264 100

260 26.3 20.8 31.2

265 56.9 52.2 78.2



#36

Indeno(1,2,3-cd)pyrene

Concen: 0.407 ng

RT: 25.449 min Scan# 3575

Delta R.T. -0.000 min

Lab File: BN033611.D

Acq: 24 Aug 2024 04:44

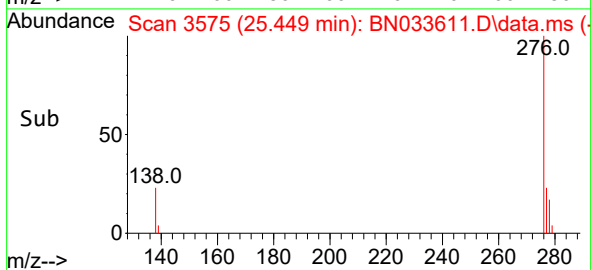
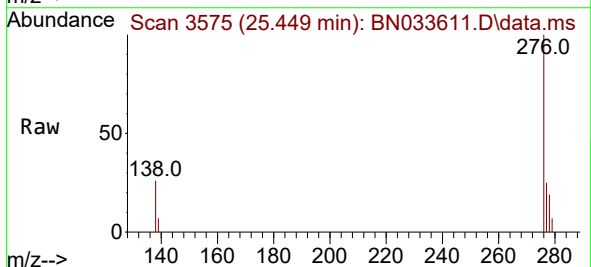
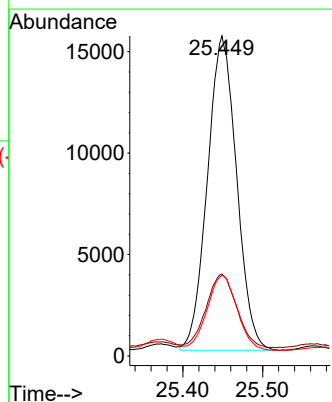
Tgt Ion:276 Resp: 39371

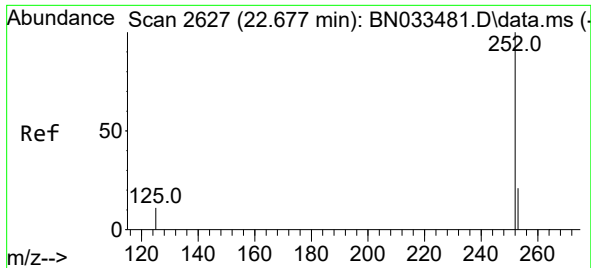
Ion Ratio Lower Upper

276 100

138 24.5 24.4 36.6

277 24.6 19.8 29.6

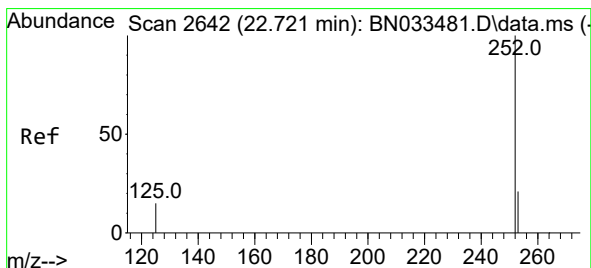
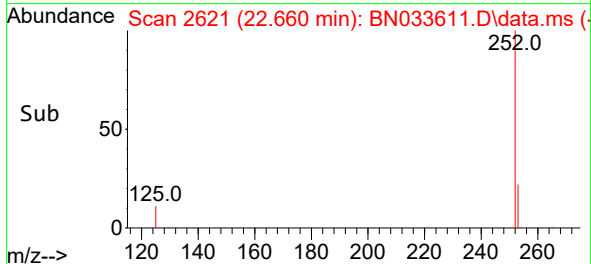
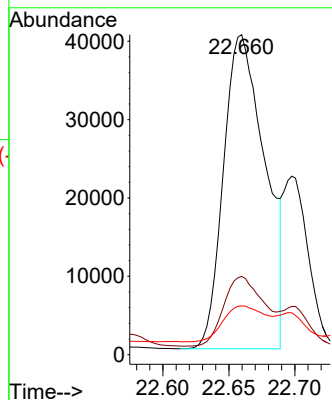
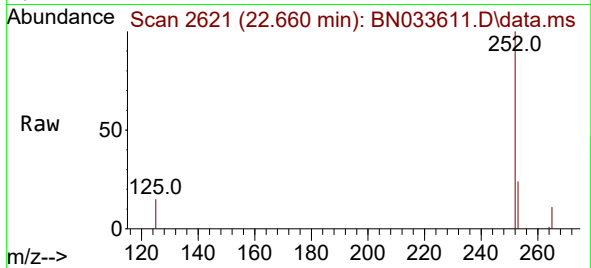




#37  
Benzo(b)fluoranthene  
Concen: 1.011 ng  
RT: 22.660 min Scan# 2621  
Delta R.T. -0.000 min  
Lab File: BN033611.D  
Acq: 24 Aug 2024 04:44

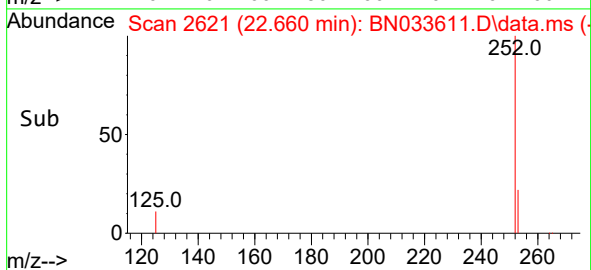
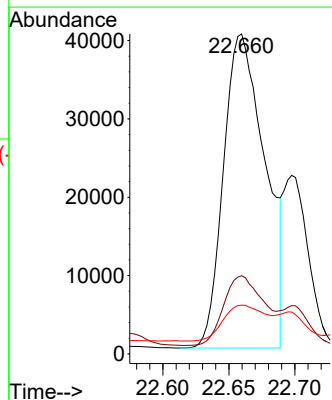
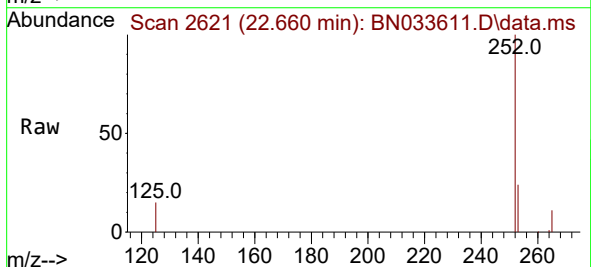
Instrument :  
BNA\_N  
ClientSampleId :  
920-J-SD-0.5-1-081624DL

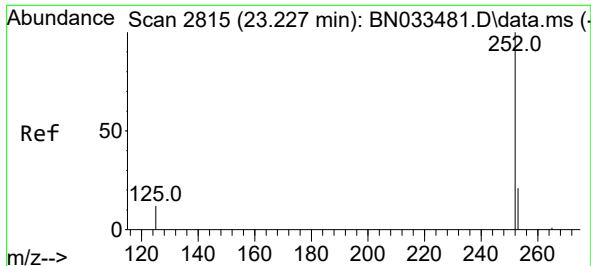
Tgt Ion:252 Resp: 87912  
Ion Ratio Lower Upper  
252 100  
253 24.4 19.8 29.8  
125 15.3 13.9 20.9



#38  
Benzo(k)fluoranthene  
Concen: 1.027 ng  
RT: 22.660 min Scan# 2621  
Delta R.T. -0.044 min  
Lab File: BN033611.D  
Acq: 24 Aug 2024 04:44

Tgt Ion:252 Resp: 87912  
Ion Ratio Lower Upper  
252 100  
253 24.4 19.8 29.8  
125 15.3 15.8 23.8#





#39

Benzo(a)pyrene

Concen: 0.560 ng

RT: 23.116 min Scan# 21

Delta R.T. -0.094 min

Lab File: BN033611.D

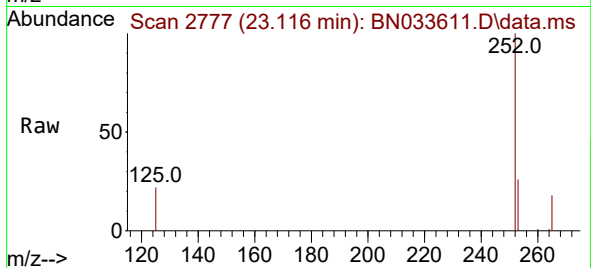
Acq: 24 Aug 2024 04:44

Instrument :

BNA\_N

ClientSampleId :

920-J-SD-0.5-1-081624DL



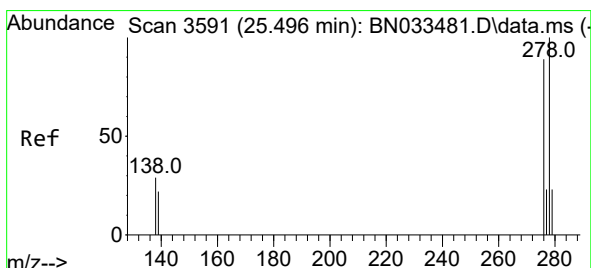
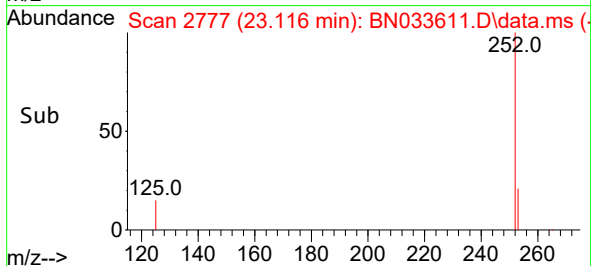
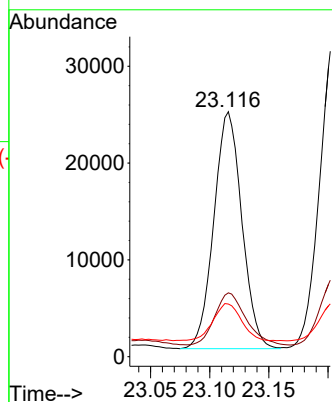
Tgt Ion:252 Resp: 40342

Ion Ratio Lower Upper

252 100

253 26.1 21.5 32.3

125 21.5 17.0 25.4



#40

Dibenzo(a,h)anthracene

Concen: 0.121 ng

RT: 25.455 min Scan# 3577

Delta R.T. -0.015 min

Lab File: BN033611.D

Acq: 24 Aug 2024 04:44

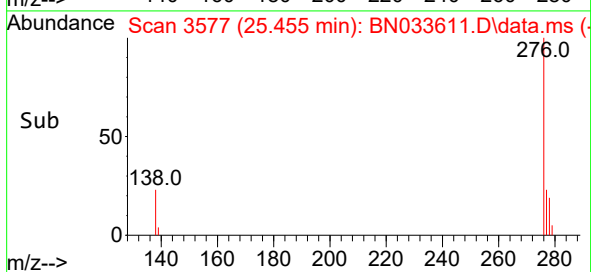
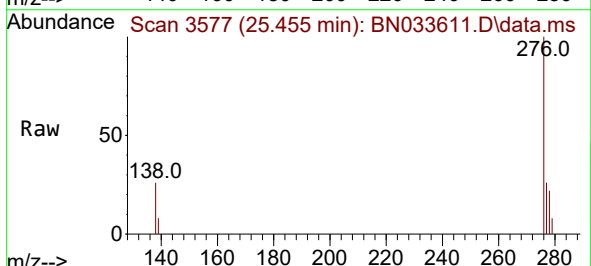
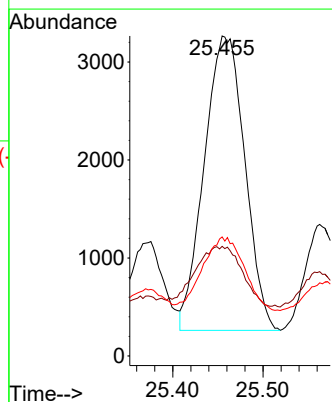
Tgt Ion:278 Resp: 9388

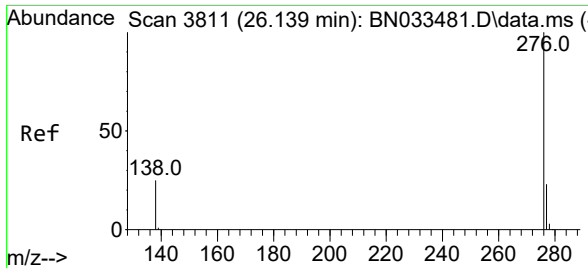
Ion Ratio Lower Upper

278 100

139 34.3 19.1 28.7#

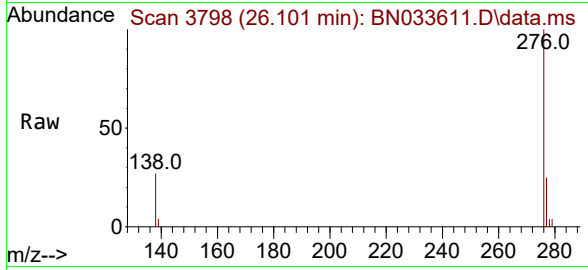
279 37.2 21.0 31.4#





#41  
 Benzo(g,h,i)perylene  
 Concen: 0.455 ng  
 RT: 26.101 min Scan# 31  
 Delta R.T. -0.003 min  
 Lab File: BN033611.D  
 Acq: 24 Aug 2024 04:44

Instrument :  
 BNA\_N  
 ClientSampleId :  
 920-J-SD-0.5-1-081624DL



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 276   | Resp: | 37590 |
| Ion      | Ratio | Lower | Upper |
| 276      | 100   |       |       |
| 277      | 25.0  | 19.7  | 29.5  |
| 138      | 26.7  | 21.8  | 32.6  |

