

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN113023\  
 Data File : BN028946.D  
 Acq On : 01 Dec 2023 14:17  
 Operator : MA/JU  
 Sample : 05350-08  
 Misc :  
 ALS Vial : 37 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 TT14911-20231107

Quant Time: Dec 01 14:44:32 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN113023.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Dec 01 00:28:34 2023  
 Response via : Initial Calibration

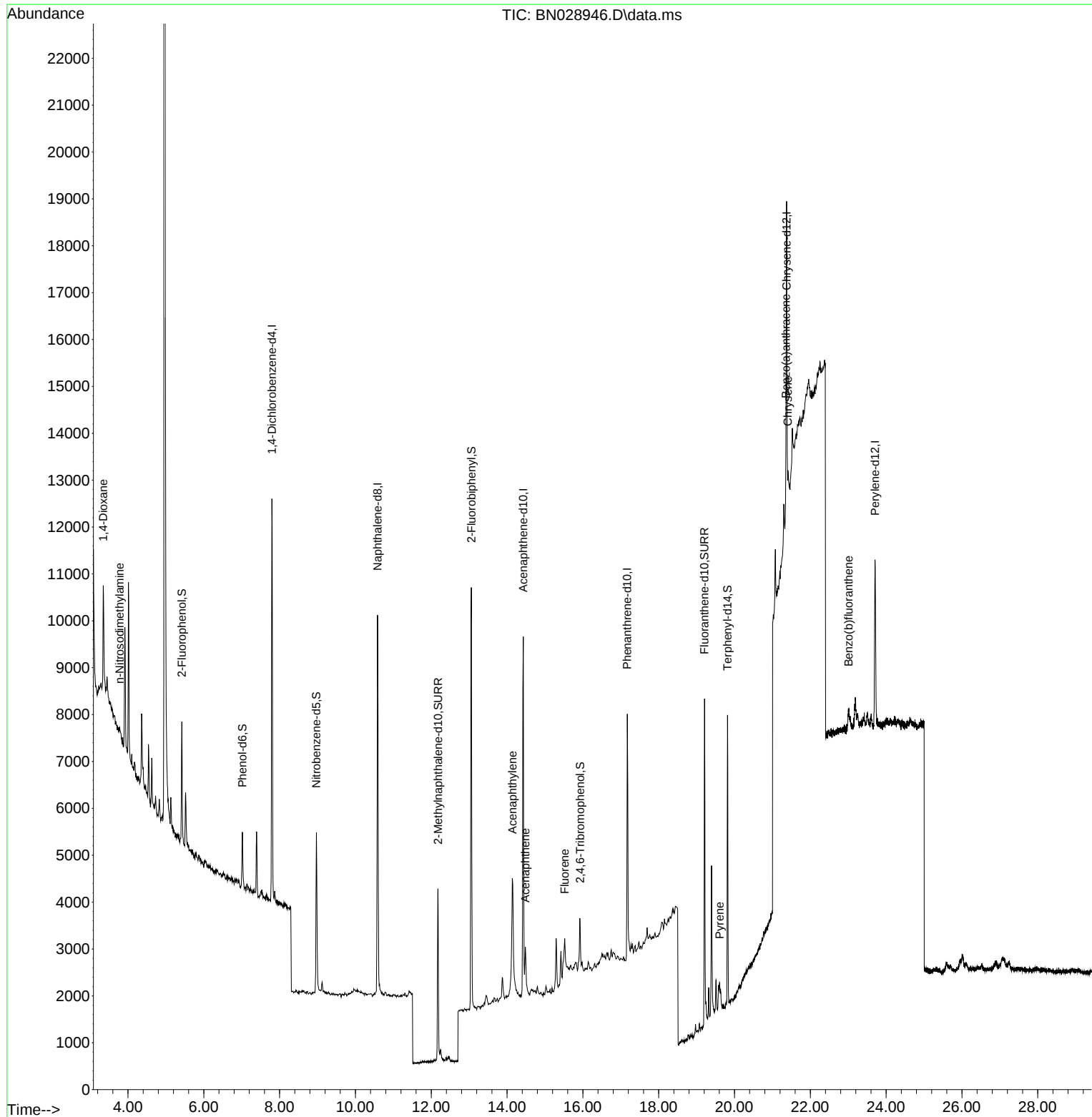
| Compound                      | R.T.   | QIon | Response | Conc      | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|-------|----------|
| -----                         |        |      |          |           |       |          |
| Internal Standards            |        |      |          |           |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.797  | 152  | 4078     | 0.400     | ng    | -0.01    |
| 7) Naphthalene-d8             | 10.583 | 136  | 10713    | 0.400     | ng    | -0.01    |
| 13) Acenaphthene-d10          | 14.428 | 164  | 4561     | 0.400     | ng    | 0.00     |
| 19) Phenanthrene-d10          | 17.171 | 188  | 7454     | 0.400     | ng    | #-0.01   |
| 29) Chrysene-d12              | 21.374 | 240  | 4835     | 0.400     | ng    | # 0.00   |
| 35) Perylene-d12              | 23.708 | 264  | 4721     | 0.400     | ng    | # 0.00   |
|                               |        |      |          |           |       |          |
| System Monitoring Compounds   |        |      |          |           |       |          |
| 4) 2-Fluorophenol             | 5.420  | 112  | 1809     | 0.146     | ng    | -0.03    |
| 5) Phenol-d6                  | 7.017  | 99   | 1146     | 0.084     | ng    | -0.03    |
| 8) Nitrobenzene-d5            | 8.971  | 82   | 3087     | 0.290     | ng    | -0.01    |
| 11) 2-Methylnaphthalene-d10   | 12.178 | 152  | 4965     | 0.289     | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 15.930 | 330  | 690      | 0.224     | ng    | 0.00     |
| 15) 2-Fluorobiphenyl          | 13.060 | 172  | 8271     | 0.420     | ng    | -0.01    |
| 27) Fluoranthene-d10          | 19.209 | 212  | 7843     | 0.400     | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.817 | 244  | 5960     | 0.420     | ng    | 0.00     |
|                               |        |      |          |           |       |          |
| Target Compounds              |        |      |          |           |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.348  | 88   | 1556     | 0.390     | ng    | # 76     |
| 3) n-Nitrosodimethylamine     | 3.781  | 42   | 99       | 0.107     | ng    | # 48     |
| 16) Acenaphthylene            | 14.140 | 152  | 7198     | 0.298     | ng    | 96       |
| 17) Acenaphthene              | 14.482 | 154  | 889      | 0.055     | ng    | # 92     |
| 18) Fluorene                  | 15.520 | 166  | 932      | 0.046     | ng    | # 41     |
| 30) Pyrene                    | 19.608 | 202  | 925      | 0.119     | ng    | # 81     |
| 32) Benzo(a)anthracene        | 21.356 | 228  | 698      | 0.034     | ng    | # 1      |
| 33) Chrysene                  | 21.409 | 228  | 674      | 0.033     | ng    | # 7      |
| 34) Bis(2-ethylhexyl)phtha... | 21.302 | 149  | 1002     | Below Cal |       | # 77     |
| 37) Benzo(b)fluoranthene      | 23.009 | 252  | 895      | 0.046     | ng    | # 48     |
| -----                         |        |      |          |           |       |          |

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

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Quant Time: Dec 01 14:44:32 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN113023.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Dec 01 00:28:34 2023  
Response via : Initial Calibration

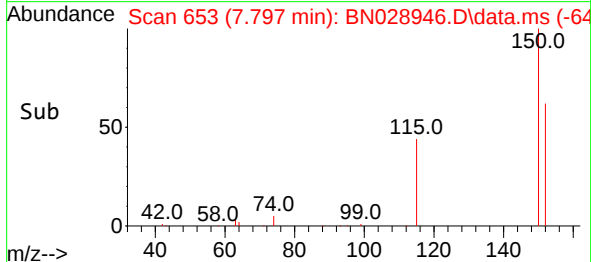
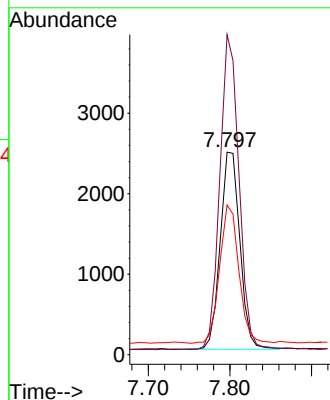
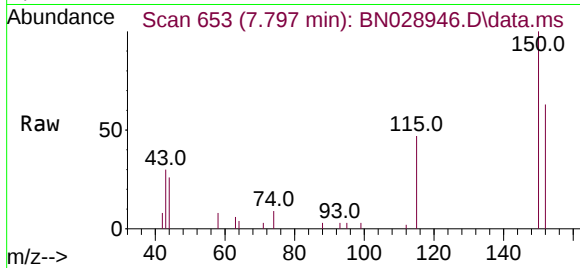




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 0.400 ng  
 RT: 7.797 min Scan# 61  
 Delta R.T. -0.014 min  
 Lab File: BN028946.D  
 Acq: 01 Dec 2023 14:17

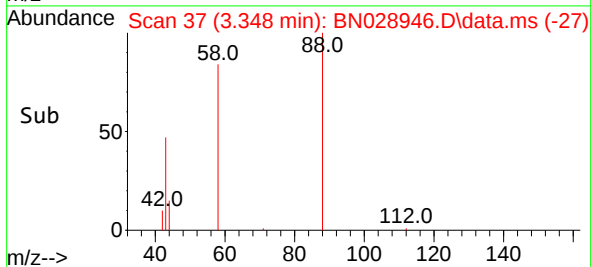
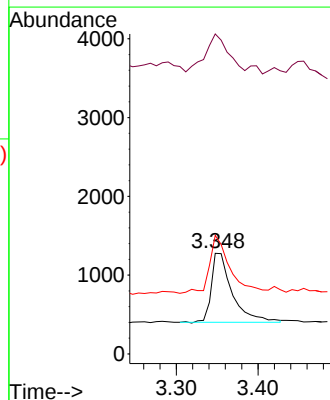
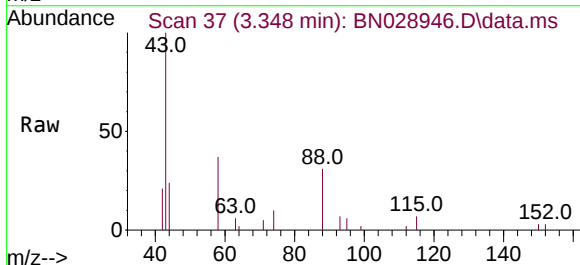
Instrument :  
 BNA\_N  
 ClientSampleId :  
 TT14911-20231107

Tgt Ion:152 Resp: 4078  
 Ion Ratio Lower Upper  
 152 100  
 150 158.0 123.4 185.2  
 115 73.9 59.1 88.7



#2  
 1,4-Dioxane  
 Concen: 0.390 ng  
 RT: 3.348 min Scan# 37  
 Delta R.T. -0.029 min  
 Lab File: BN028946.D  
 Acq: 01 Dec 2023 14:17

Tgt Ion: 88 Resp: 1556  
 Ion Ratio Lower Upper  
 88 100  
 43 58.4 29.9 44.9#  
 58 82.7 55.0 82.4#

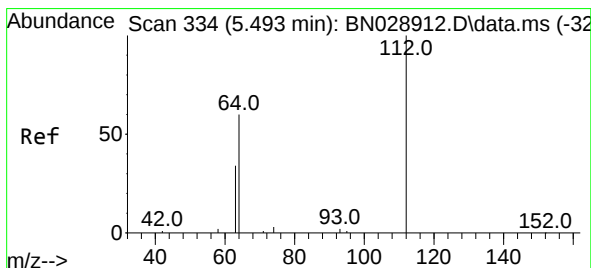
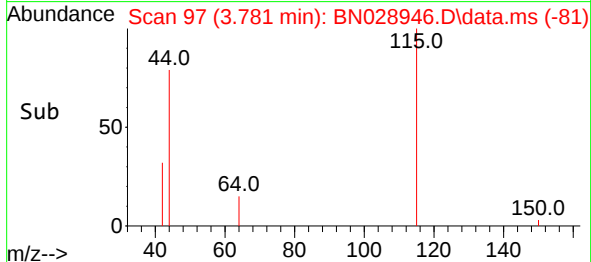
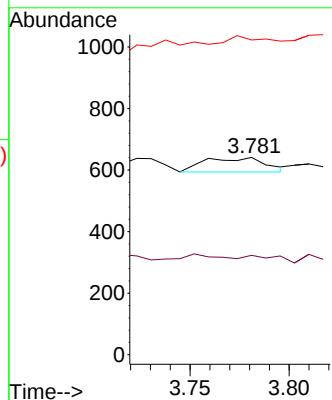
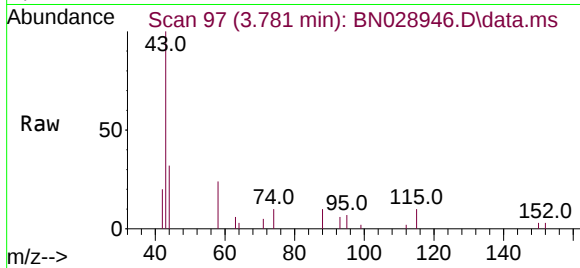




#3  
n-Nitrosodimethylamine  
Concen: 0.107 ng  
RT: 3.781 min Scan# 91  
Delta R.T. 0.014 min  
Lab File: BN028946.D  
Acq: 01 Dec 2023 14:17

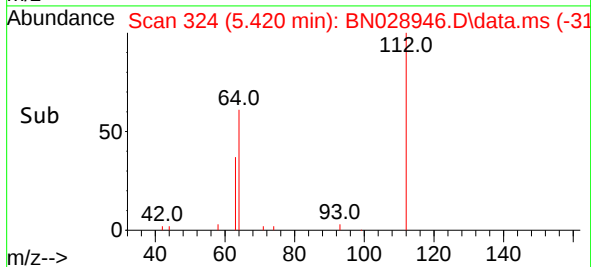
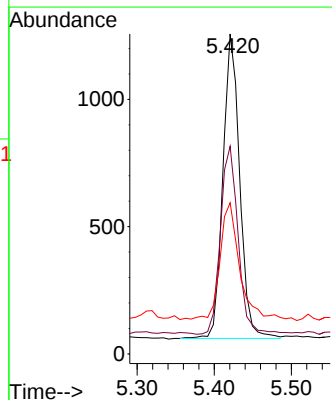
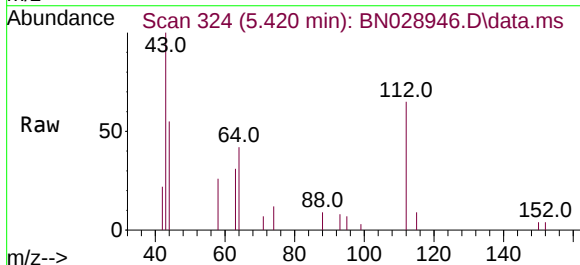
Instrument :  
BNA\_N  
ClientSampleId :  
TT14911-20231107

Tgt Ion: 42 Resp: 99  
Ion Ratio Lower Upper  
42 100  
74 28.3 57.0 85.6#  
44 80.8 0.0 0.0#



#4  
2-Fluorophenol  
Concen: 0.146 ng  
RT: 5.420 min Scan# 324  
Delta R.T. -0.029 min  
Lab File: BN028946.D  
Acq: 01 Dec 2023 14:17

Tgt Ion: 112 Resp: 1809  
Ion Ratio Lower Upper  
112 100  
64 65.4 51.5 77.3  
63 46.2 30.4 45.6#

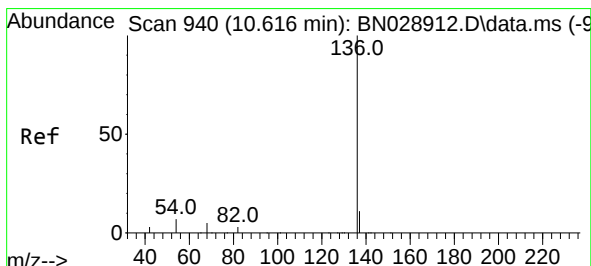
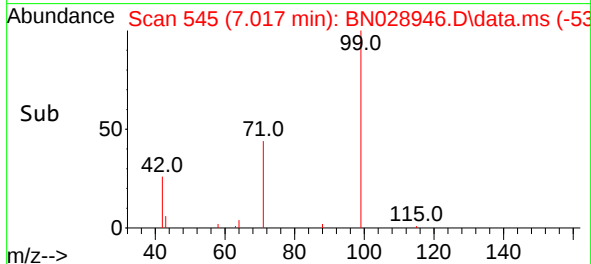
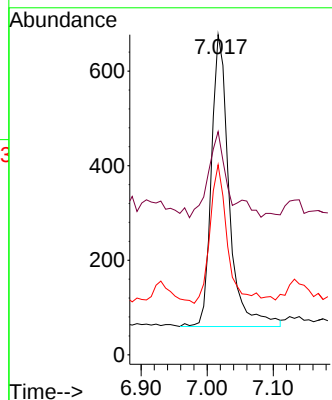
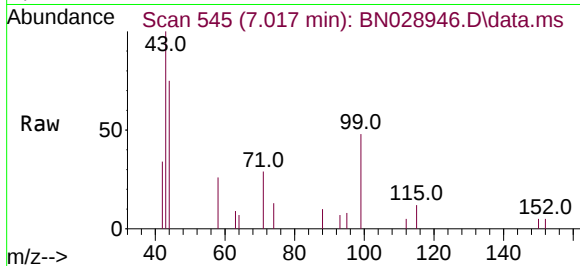




#5  
Phenol-d6  
Concen: 0.084 ng  
RT: 7.017 min Scan# 54  
Delta R.T. -0.029 min  
Lab File: BN028946.D  
Acq: 01 Dec 2023 14:17

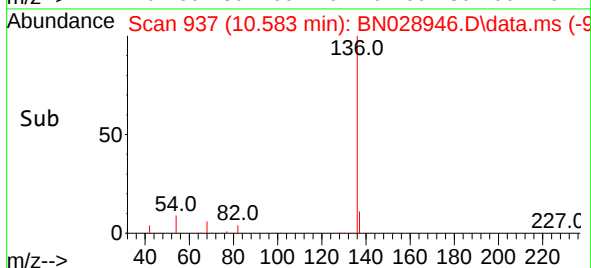
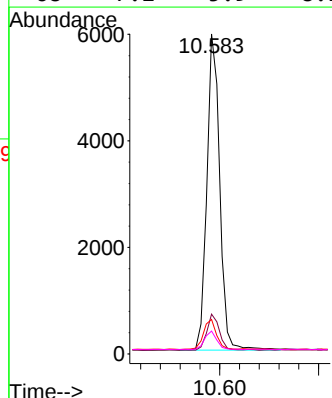
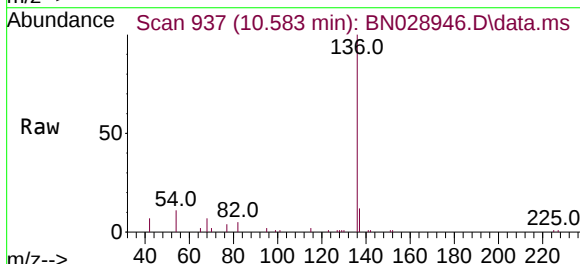
Instrument :  
BNA\_N  
ClientSampleId :  
TT14911-20231107

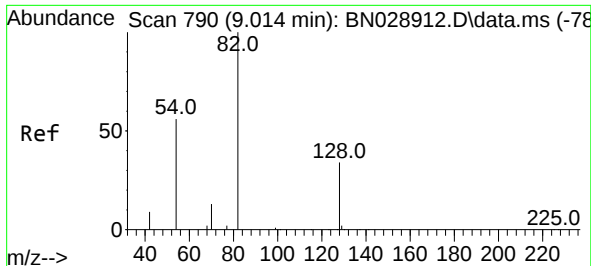
Tgt Ion: 99 Resp: 1146  
Ion Ratio Lower Upper  
99 100  
42 28.5 21.2 31.8  
71 47.1 35.4 53.0



#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.583 min Scan# 937  
Delta R.T. -0.011 min  
Lab File: BN028946.D  
Acq: 01 Dec 2023 14:17

Tgt Ion: 136 Resp: 10713  
Ion Ratio Lower Upper  
136 100  
137 12.4 10.6 16.0  
54 10.8 7.5 11.3  
68 7.2 5.9 8.9

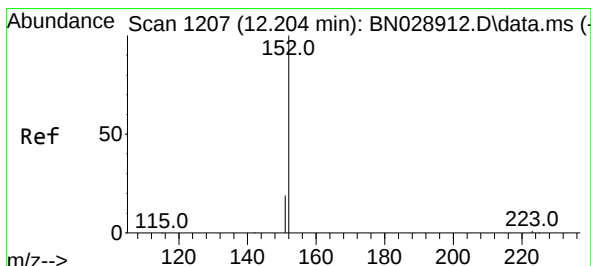
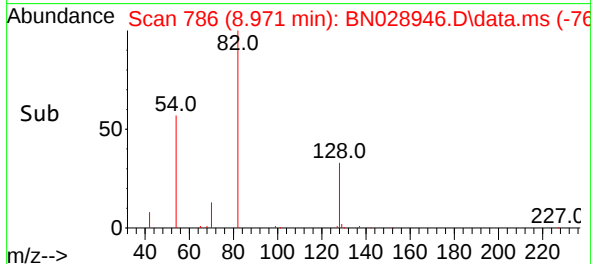
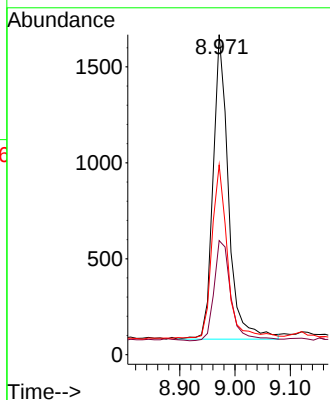
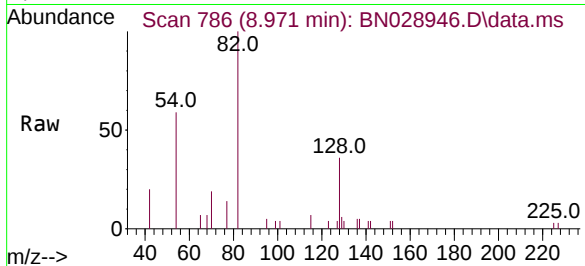




#8  
Nitrobenzene-d5  
Concen: 0.290 ng  
RT: 8.971 min Scan# 790  
Delta R.T. -0.011 min  
Lab File: BN028946.D  
Acq: 01 Dec 2023 14:17

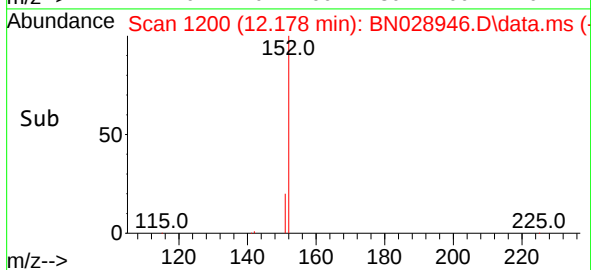
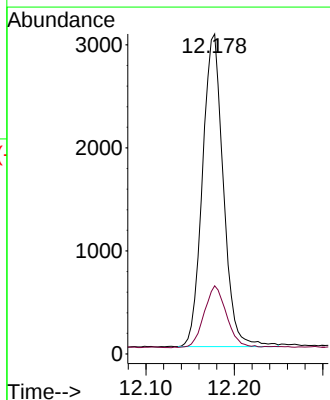
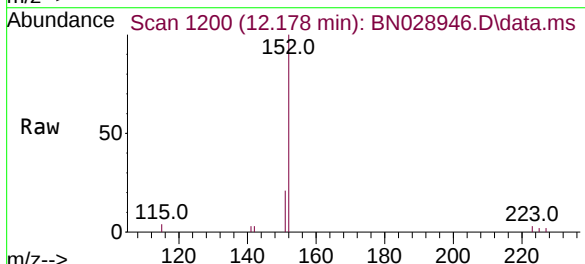
Instrument :  
BNA\_N  
ClientSampleId :  
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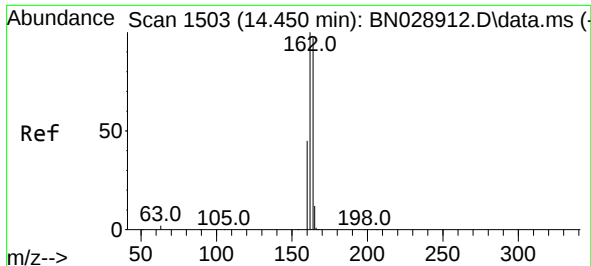
Tgt Ion: 82 Resp: 3087  
Ion Ratio Lower Upper  
82 100  
128 35.7 29.2 43.8  
54 59.3 47.0 70.6



#11  
2-Methylnaphthalene-d10  
Concen: 0.289 ng  
RT: 12.178 min Scan# 1200  
Delta R.T. -0.008 min  
Lab File: BN028946.D  
Acq: 01 Dec 2023 14:17

Tgt Ion: 152 Resp: 4965  
Ion Ratio Lower Upper  
152 100  
151 21.4 16.7 25.1

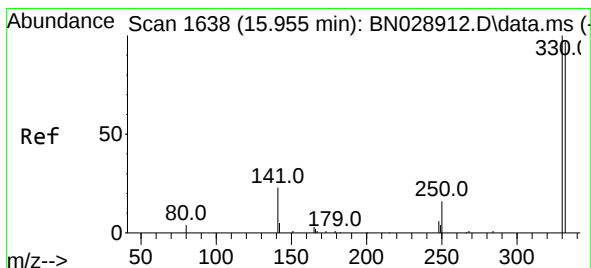
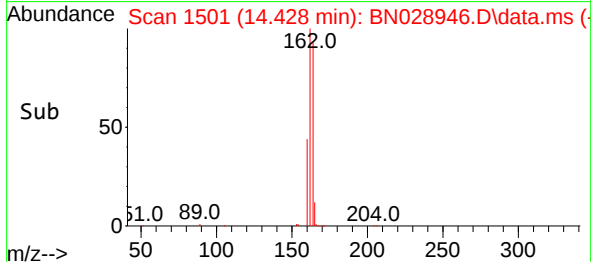
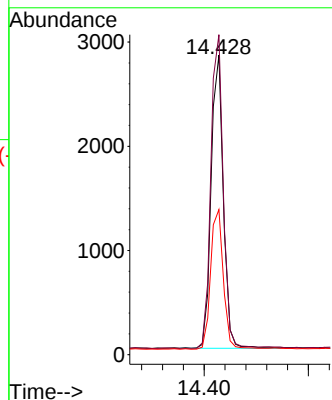
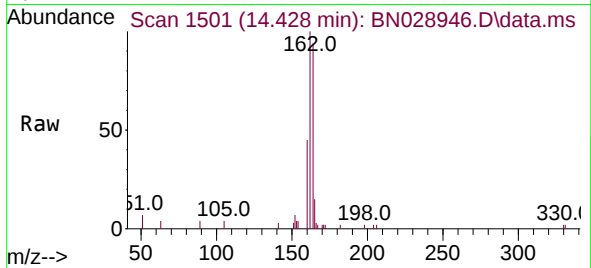




#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.428 min Scan# 1501  
Delta R.T. -0.000 min  
Lab File: BN028946.D  
Acq: 01 Dec 2023 14:17

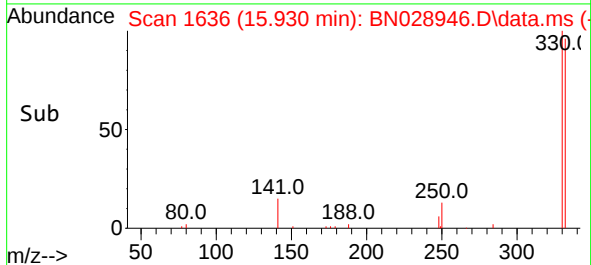
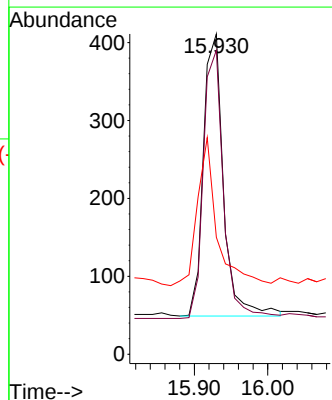
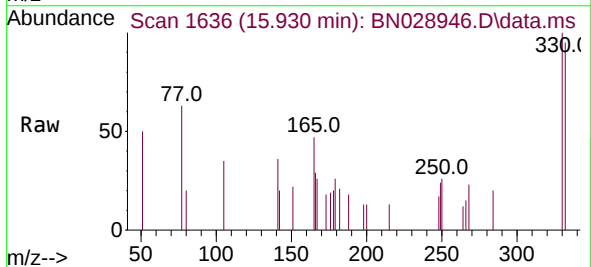
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BNA\_N  
ClientSampleId :  
TT14911-20231107

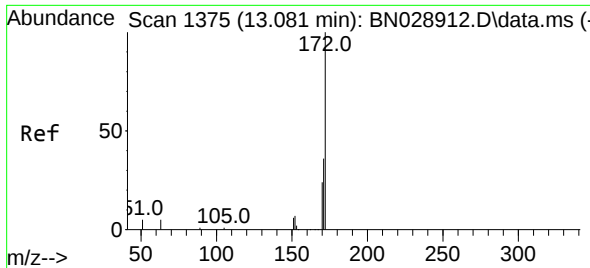
Tgt Ion:164 Resp: 4561  
Ion Ratio Lower Upper  
164 100  
162 106.8 81.7 122.5  
160 48.4 37.0 55.6



#14  
2,4,6-Tribromophenol  
Concen: 0.224 ng  
RT: 15.930 min Scan# 1636  
Delta R.T. -0.000 min  
Lab File: BN028946.D  
Acq: 01 Dec 2023 14:17

Tgt Ion:330 Resp: 690  
Ion Ratio Lower Upper  
330 100  
332 95.1 75.4 113.2  
141 51.0 35.7 53.5

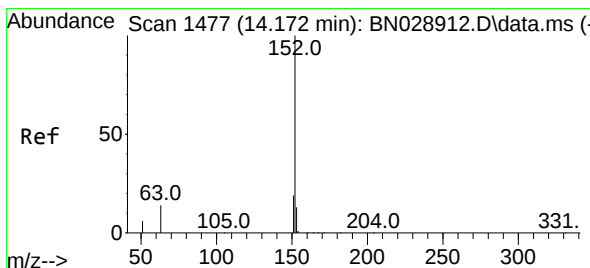
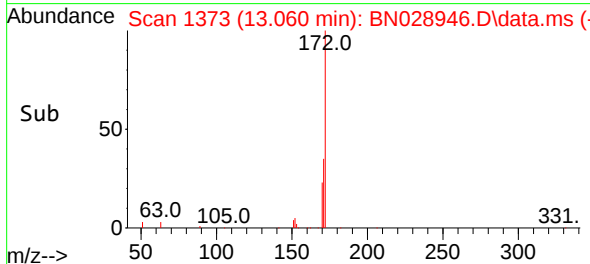
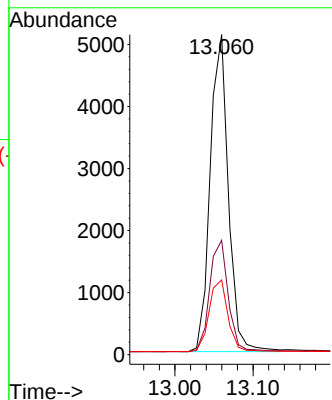
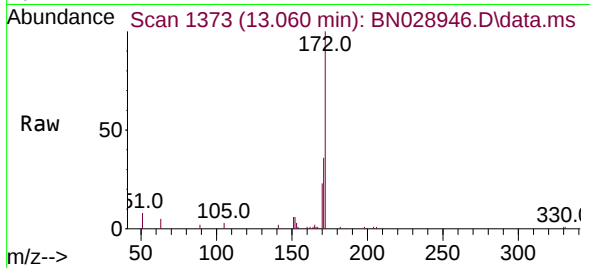




#15  
2-Fluorobiphenyl  
Concen: 0.420 ng  
RT: 13.060 min Scan# 11  
Delta R.T. -0.011 min  
Lab File: BN028946.D  
Acq: 01 Dec 2023 14:17

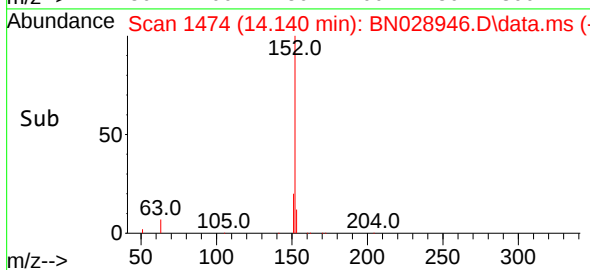
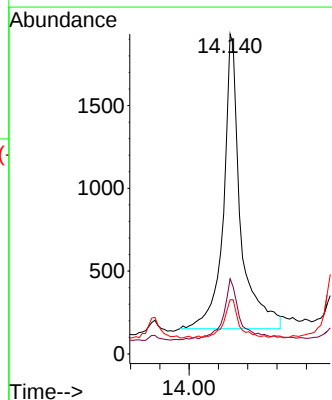
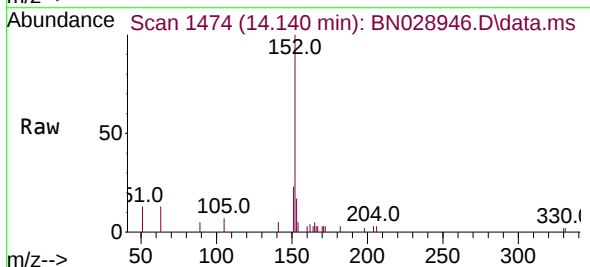
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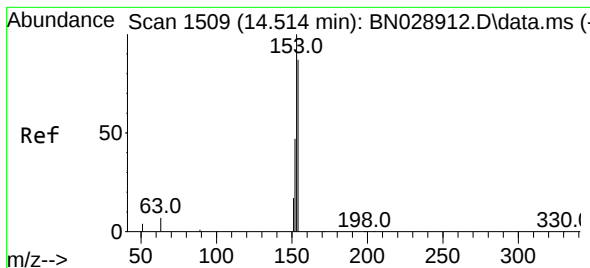
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:172 | Resp: | 8271      |
| Ion Ratio   | Lower | Upper     |
| 172         | 100   |           |
| 171         | 35.8  | 29.0 43.4 |
| 170         | 23.3  | 19.7 29.5 |



#16  
Acenaphthylene  
Concen: 0.298 ng  
RT: 14.140 min Scan# 1474  
Delta R.T. -0.011 min  
Lab File: BN028946.D  
Acq: 01 Dec 2023 14:17

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:152 | Resp: | 7198      |
| Ion Ratio   | Lower | Upper     |
| 152         | 100   |           |
| 151         | 18.9  | 15.9 23.9 |
| 153         | 11.1  | 10.8 16.2 |





#17

Acenaphthene

Concen: 0.055 ng

RT: 14.482 min Scan# 1506

Delta R.T. -0.011 min

Lab File: BN028946.D

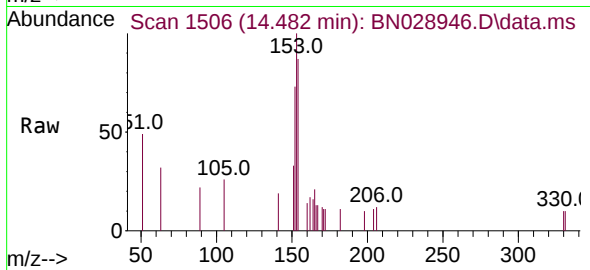
Acq: 01 Dec 2023 14:17

Instrument :

BNA\_N

ClientSampleId :

TT14911-20231107



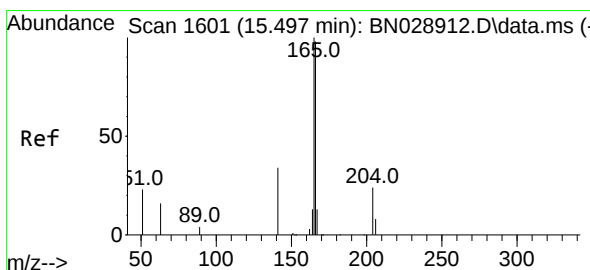
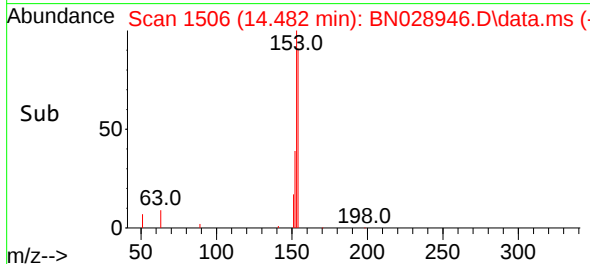
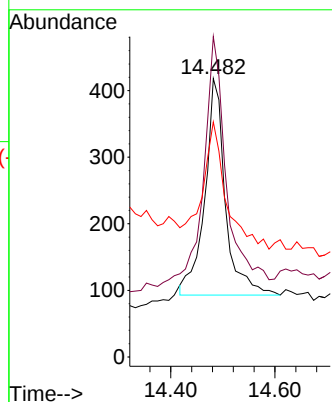
Tgt Ion:154 Resp: 889

Ion Ratio Lower Upper

154 100

153 113.9 93.8 140.6

152 69.2 44.5 66.7#



#18

Fluorene

Concen: 0.046 ng

RT: 15.520 min Scan# 1603

Delta R.T. 0.034 min

Lab File: BN028946.D

Acq: 01 Dec 2023 14:17

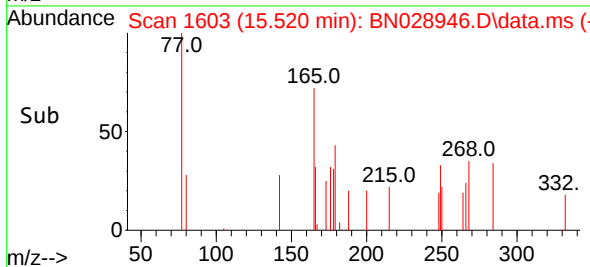
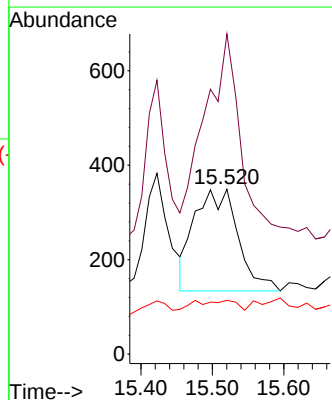
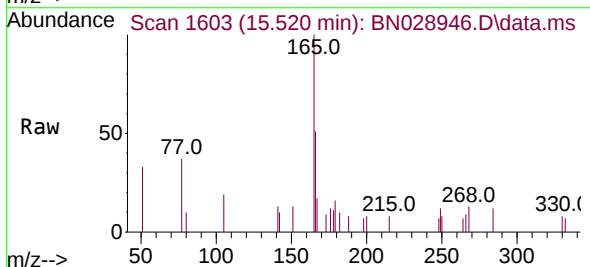
Tgt Ion:166 Resp: 932

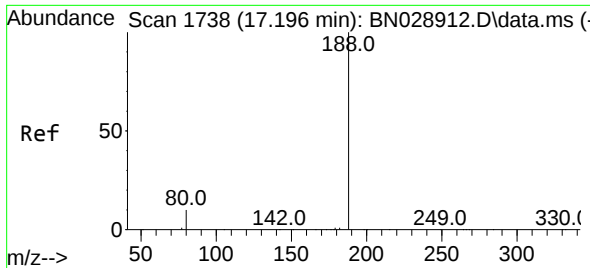
Ion Ratio Lower Upper

166 100

165 161.3 79.4 119.2#

167 0.0 11.0 16.4#

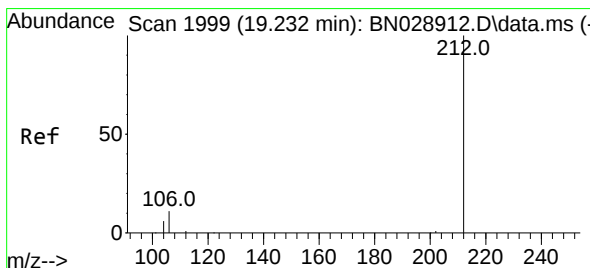
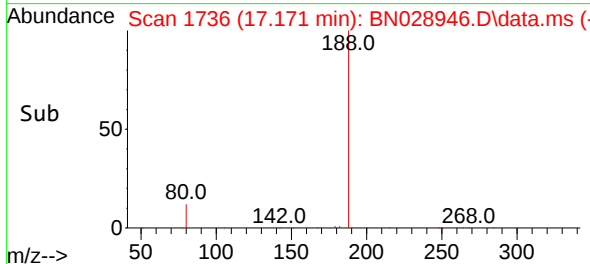
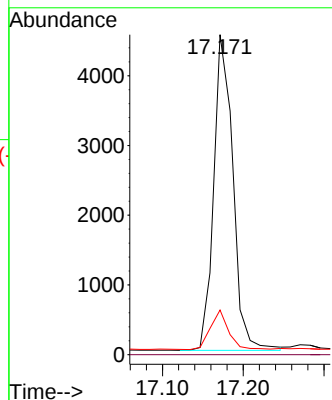
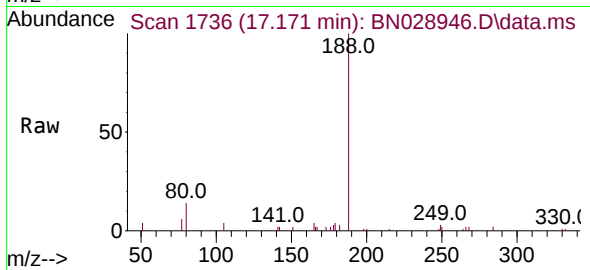




#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.171 min Scan# 1736  
Delta R.T. -0.012 min  
Lab File: BN028946.D  
Acq: 01 Dec 2023 14:17

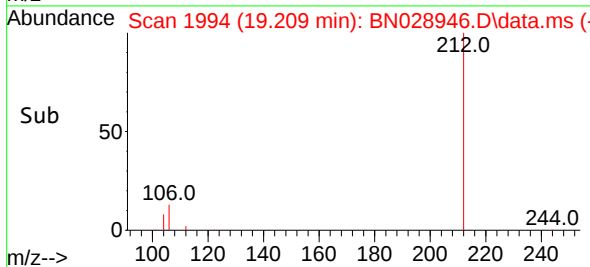
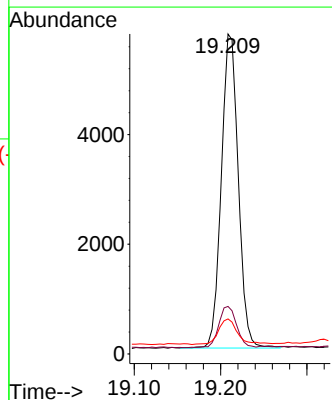
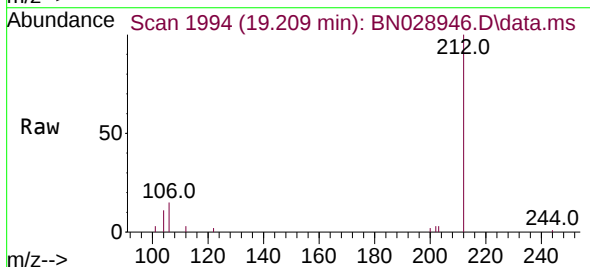
Instrument :  
BNA\_N  
ClientSampleId :  
TT14911-20231107

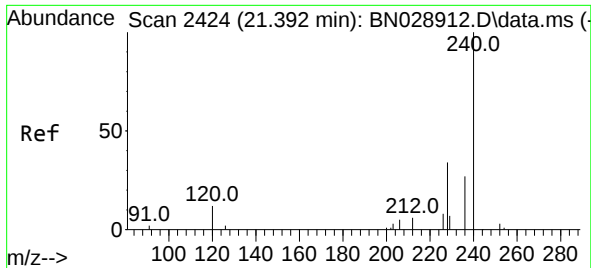
Tgt Ion:188 Resp: 7454  
Ion Ratio Lower Upper  
188 100  
94 0.0 0.0 0.0  
80 13.9 9.0 13.6#



#27  
Fluoranthene-d10  
Concen: 0.400 ng  
RT: 19.209 min Scan# 1994  
Delta R.T. -0.005 min  
Lab File: BN028946.D  
Acq: 01 Dec 2023 14:17

Tgt Ion:212 Resp: 7843  
Ion Ratio Lower Upper  
212 100  
106 13.8 9.4 14.2  
104 9.2 6.2 9.2





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.374 min Scan# 2422

Delta R.T. -0.000 min

Lab File: BN028946.D

Acq: 01 Dec 2023 14:17

Instrument :

BNA\_N

ClientSampleId :

TT14911-20231107

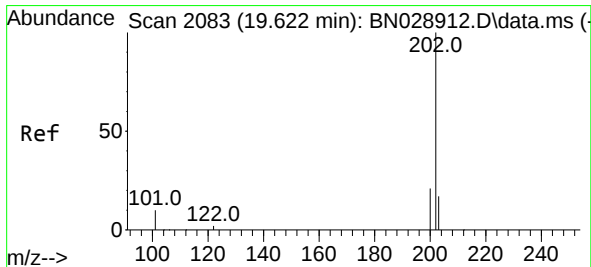
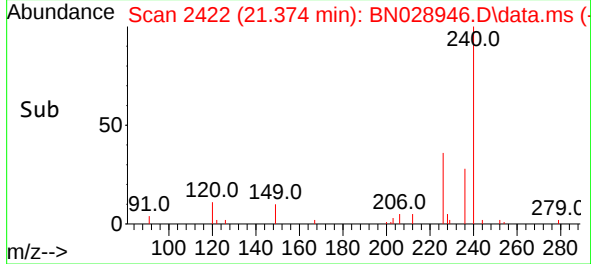
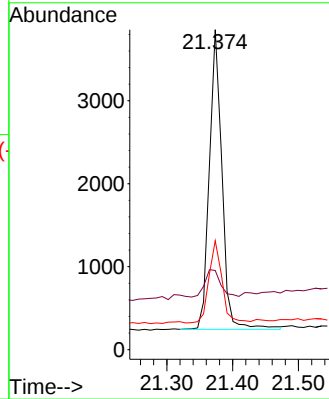
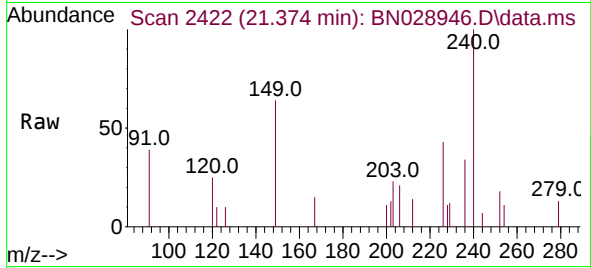
Tgt Ion:240 Resp: 4835

Ion Ratio Lower Upper

240 100

120 24.8 37.1 55.7#

236 34.1 32.4 48.6



#30

Pyrene

Concen: 0.119 ng

RT: 19.608 min Scan# 2080

Delta R.T. -0.000 min

Lab File: BN028946.D

Acq: 01 Dec 2023 14:17

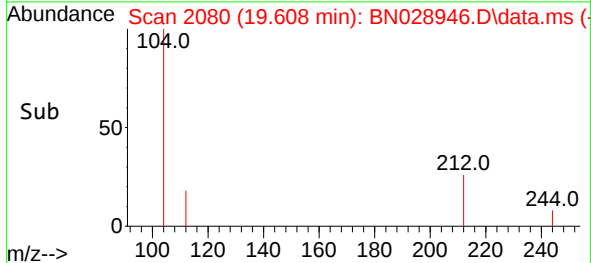
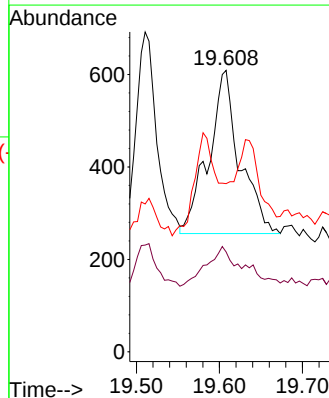
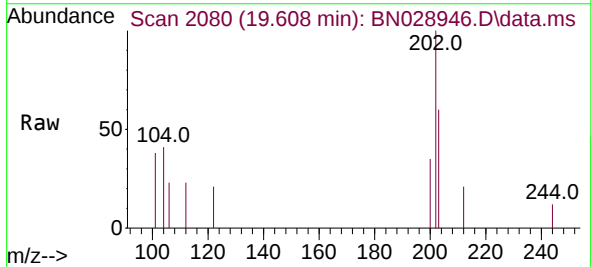
Tgt Ion:202 Resp: 925

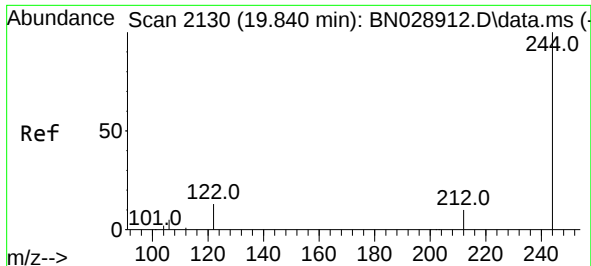
Ion Ratio Lower Upper

202 100

200 21.2 16.9 25.3

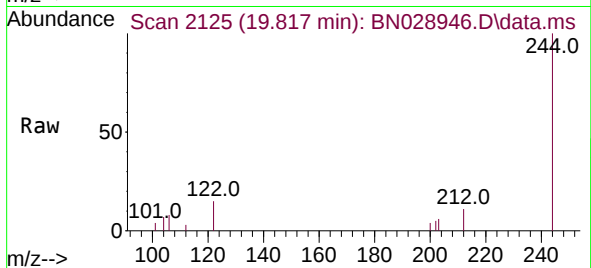
203 0.0 14.8 22.2#



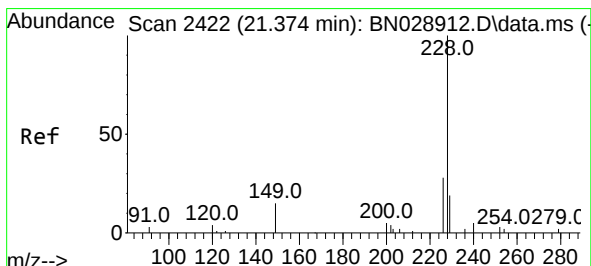
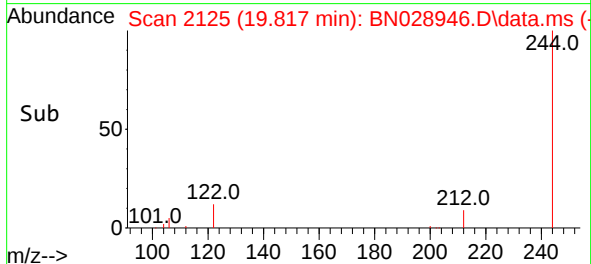
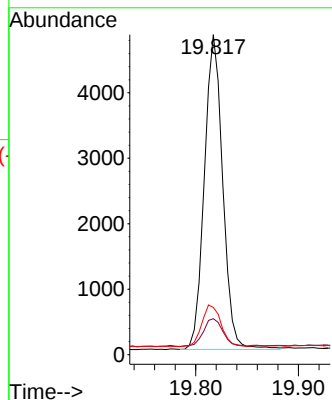


#31  
 Terphenyl-d14  
 Concen: 0.420 ng  
 RT: 19.817 min Scan# 2130  
 Delta R.T. -0.005 min  
 Lab File: BN028946.D  
 Acq: 01 Dec 2023 14:17

Instrument :  
 BNA\_N  
 ClientSampleId :  
 TT14911-20231107

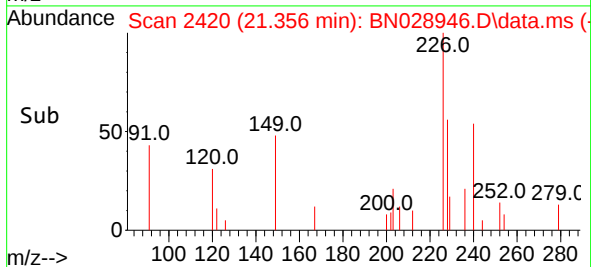
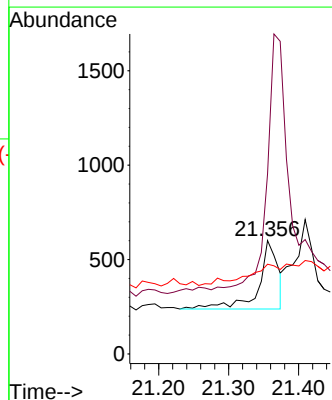
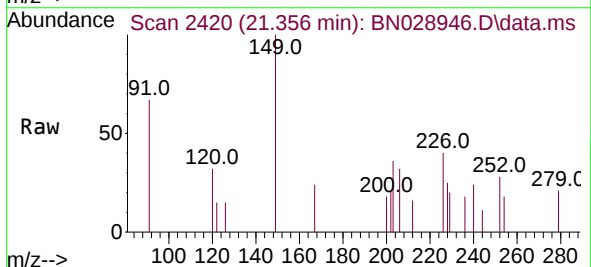


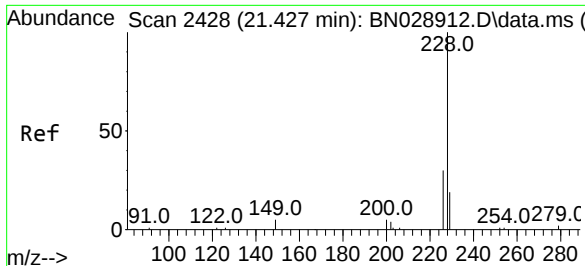
Tgt Ion:244 Resp: 5960  
 Ion Ratio Lower Upper  
 244 100  
 212 11.2 11.5 17.3#  
 122 14.7 13.2 19.8



#32  
 Benzo(a)anthracene  
 Concen: 0.034 ng  
 RT: 21.356 min Scan# 2420  
 Delta R.T. -0.000 min  
 Lab File: BN028946.D  
 Acq: 01 Dec 2023 14:17

Tgt Ion:228 Resp: 698  
 Ion Ratio Lower Upper  
 228 100  
 226 158.7 26.5 39.7#  
 229 79.0 16.4 24.6#





#33

Chrysene

Concen: 0.033 ng

RT: 21.409 min Scan# 2428

Delta R.T. -0.000 min

Lab File: BN028946.D

Acq: 01 Dec 2023 14:17

Instrument :

BNA\_N

ClientSampleId :

TT14911-20231107

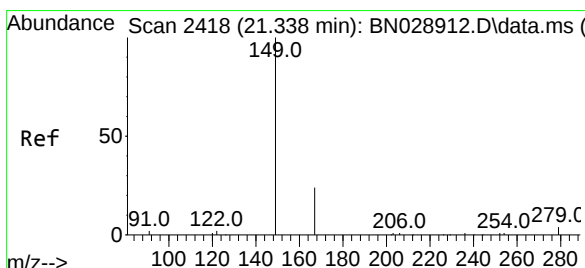
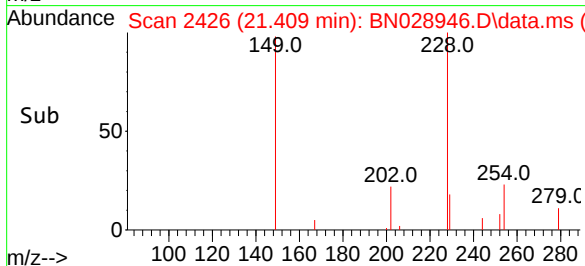
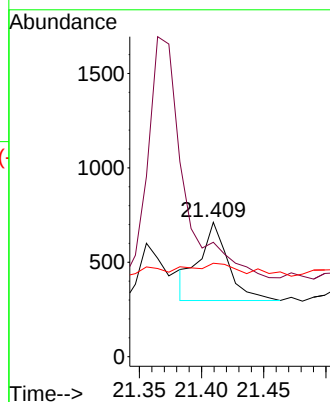
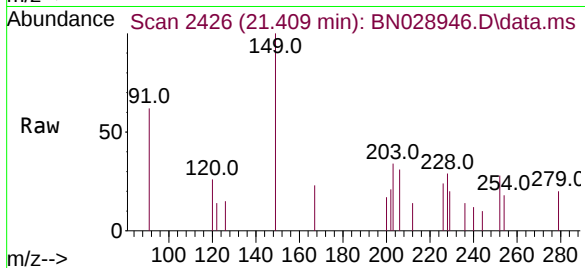
Tgt Ion:228 Resp: 674

Ion Ratio Lower Upper

228 100

226 85.1 28.3 42.5#

229 69.5 16.4 24.6#



#34

Bis(2-ethylhexyl)phthalate

Concen: Below Cal

RT: 21.302 min Scan# 2414

Delta R.T. -0.009 min

Lab File: BN028946.D

Acq: 01 Dec 2023 14:17

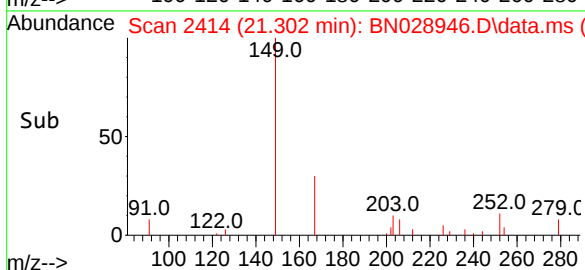
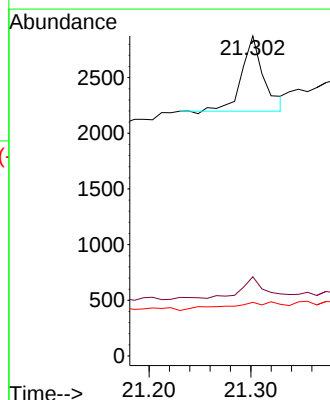
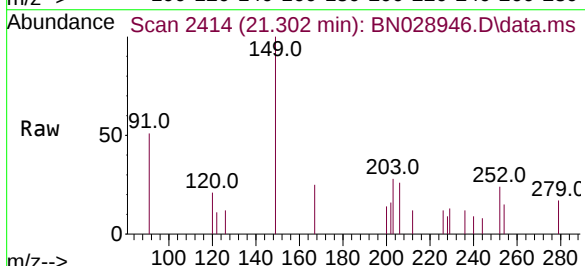
Tgt Ion:149 Resp: 1002

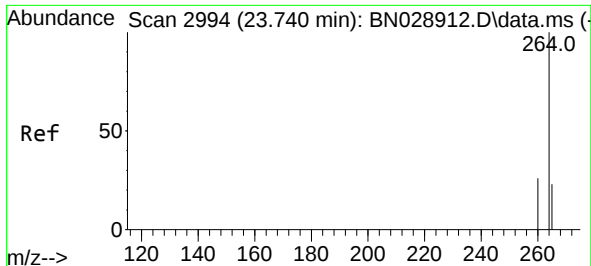
Ion Ratio Lower Upper

149 100

167 26.9 14.9 22.3#

279 19.6 6.3 9.5#

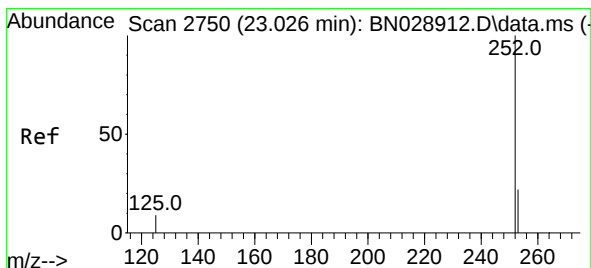
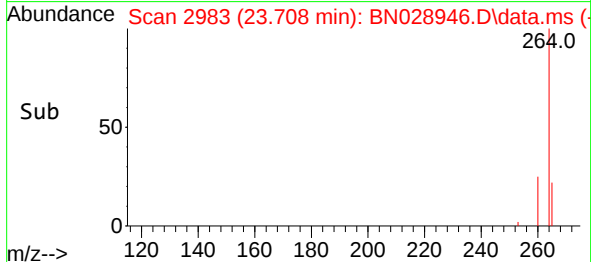
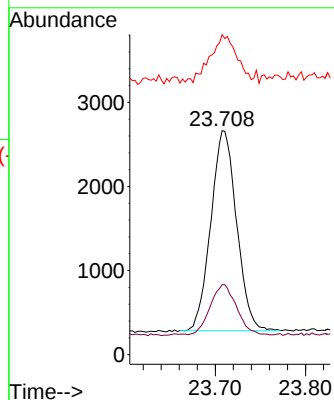
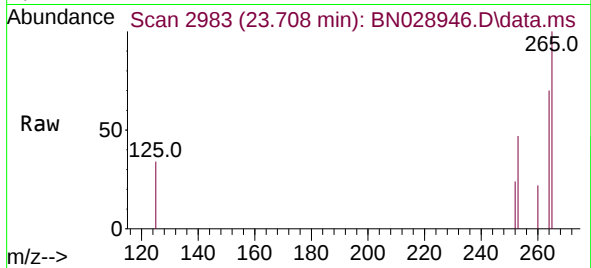




#35  
 Perylene-d12  
 Concen: 0.400 ng  
 RT: 23.708 min Scan# 2994  
 Delta R.T. -0.006 min  
 Lab File: BN028946.D  
 Acq: 01 Dec 2023 14:17

Instrument :  
 BNA\_N  
 ClientSampleId :  
 TT14911-20231107

Tgt Ion:264 Resp: 4721  
 Ion Ratio Lower Upper  
 264 100  
 260 31.3 20.6 30.8#  
 265 142.8 464.5 696.7#



#37  
 Benzo(b)fluoranthene  
 Concen: 0.046 ng  
 RT: 23.009 min Scan# 2744  
 Delta R.T. 0.006 min  
 Lab File: BN028946.D  
 Acq: 01 Dec 2023 14:17

Tgt Ion:252 Resp: 895  
 Ion Ratio Lower Upper  
 252 100  
 253 150.4 94.5 141.7#  
 125 107.6 23.8 35.8#

