

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN091923\  
 Data File : BN027753.D  
 Acq On : 19 Sep 2023 17:24  
 Operator : MA/JU  
 Sample : 04327-03DL 2X  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 BR-01-170-090623DL

Quant Time: Sep 19 18:23:08 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN091823.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Sep 18 14:40:21 2023  
 Response via : Initial Calibration

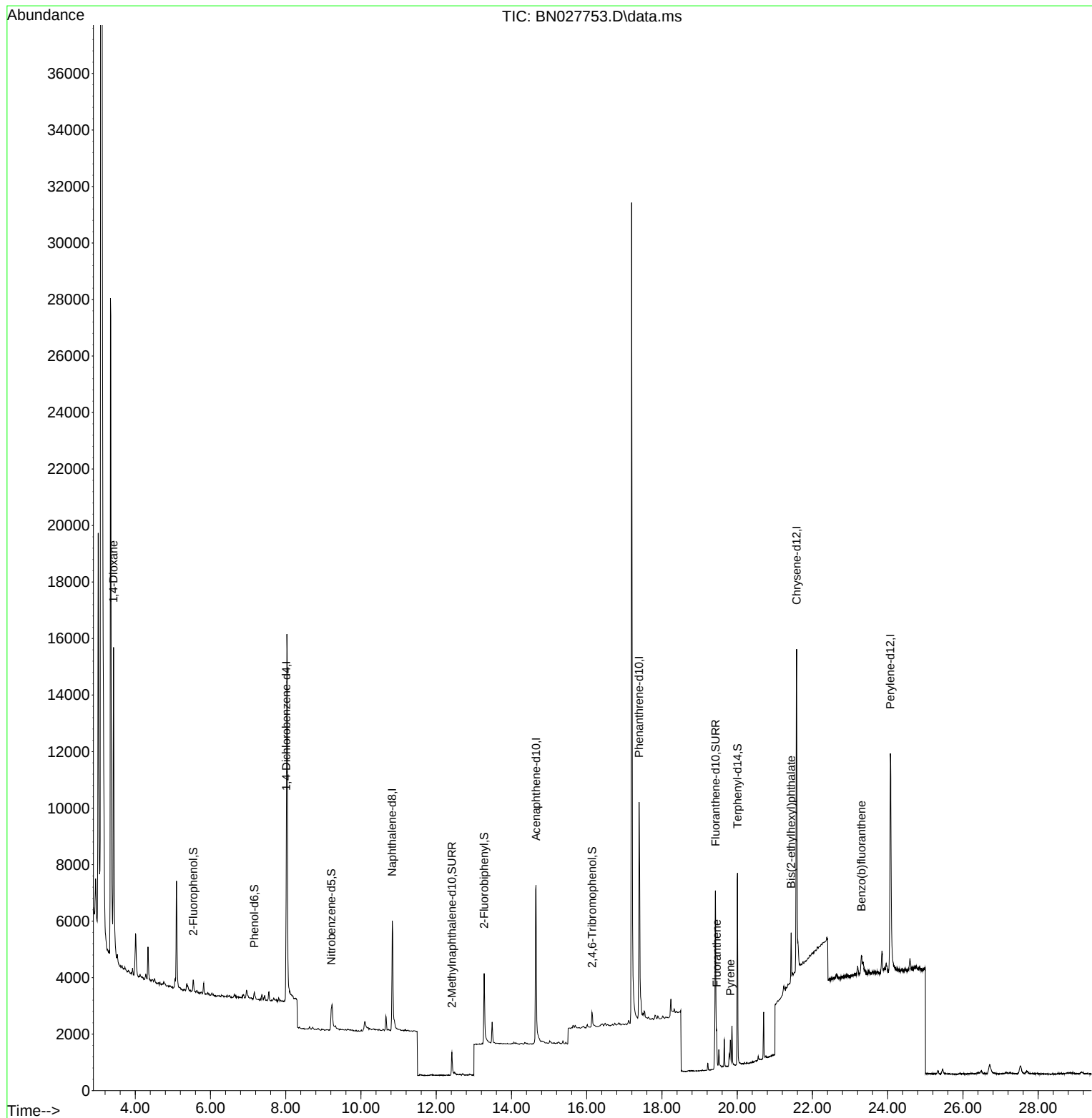
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min)   |
|-------------------------------|--------|------|----------|-------|-------|------------|
| -----                         |        |      |          |       |       |            |
| Internal Standards            |        |      |          |       |       |            |
| 1) 1,4-Dichlorobenzene-d4     | 8.015  | 152  | 1987     | 0.400 | ng    | 0.00       |
| 7) Naphthalene-d8             | 10.831 | 136  | 6237     | 0.400 | ng    | 0.00       |
| 13) Acenaphthene-d10          | 14.651 | 164  | 4328     | 0.400 | ng    | 0.01       |
| 19) Phenanthrene-d10          | 17.393 | 188  | 11899    | 0.400 | ng    | 0.00       |
| 29) Chrysene-d12              | 21.578 | 240  | 12376    | 0.400 | ng    | 0.00       |
| 35) Perylene-d12              | 24.072 | 264  | 12813    | 0.400 | ng    | 0.00       |
| System Monitoring Compounds   |        |      |          |       |       |            |
| 4) 2-Fluorophenol             | 5.545  | 112  | 400      | 0.077 | ng    | 0.00       |
| 5) Phenol-d6                  | 7.163  | 99   | 276      | 0.043 | ng    | 0.00       |
| 8) Nitrobenzene-d5            | 9.208  | 82   | 863      | 0.170 | ng    | 0.00       |
| 11) 2-Methylnaphthalene-d10   | 12.415 | 152  | 1428     | 0.155 | ng    | 0.00       |
| 14) 2,4,6-Tribromophenol      | 16.139 | 330  | 367      | 0.182 | ng    | 0.00       |
| 15) 2-Fluorobiphenyl          | 13.272 | 172  | 2840     | 0.193 | ng    | 0.00       |
| 27) Fluoranthene-d10          | 19.421 | 212  | 7162     | 0.215 | ng    | 0.00       |
| 31) Terphenyl-d14             | 20.006 | 244  | 6743     | 0.290 | ng    | 0.00       |
| Target Compounds              |        |      |          |       |       |            |
| 2) 1,4-Dioxane                | 3.422  | 88   | 7902     | 3.405 | ng    | Qvalue 100 |
| 28) Fluoranthene              | 19.453 | 202  | 1040     | 0.023 | ng    | # 88       |
| 30) Pyrene                    | 19.820 | 202  | 936      | 0.022 | ng    | 95         |
| 34) Bis(2-ethylhexyl)phtha... | 21.435 | 149  | 1702     | 0.082 | ng    | 98         |
| 37) Benzo(b)fluoranthene      | 23.303 | 252  | 1205     | 0.025 | ng    | # 1        |
| -----                         |        |      |          |       |       |            |

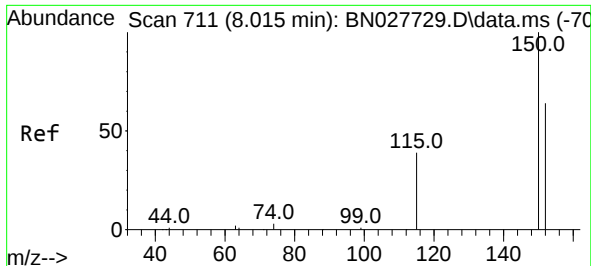
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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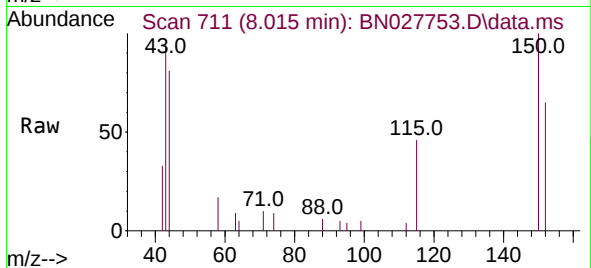
Quant Time: Sep 19 18:23:08 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN091823.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Sep 18 14:40:21 2023  
Response via : Initial Calibration



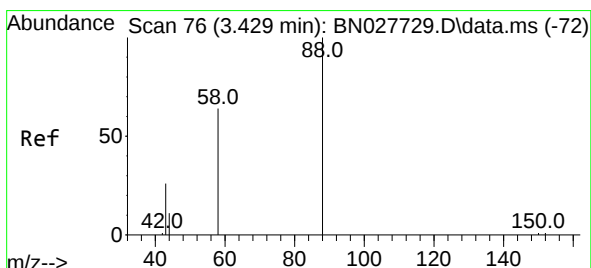
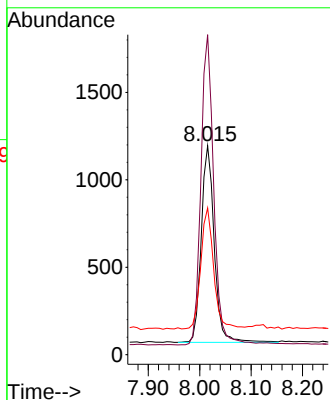
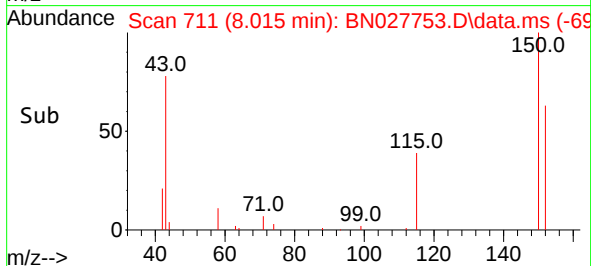


#1  
 1,4-Dichlorobenzene-d4  
 Concen: 0.400 ng  
 RT: 8.015 min Scan# 711  
 Delta R.T. 0.000 min  
 Lab File: BN027753.D  
 Acq: 19 Sep 2023 17:24

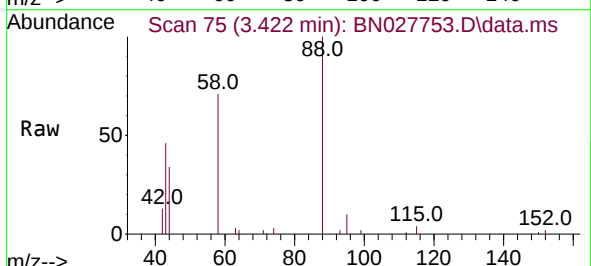
Instrument :  
 BNA\_N  
 ClientSampleId :  
 BR-01-170-090623DL



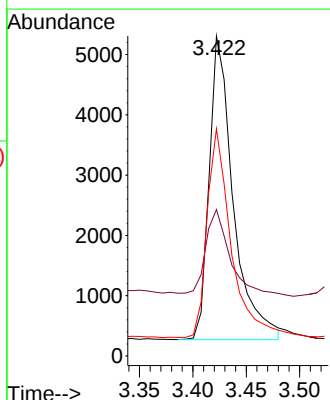
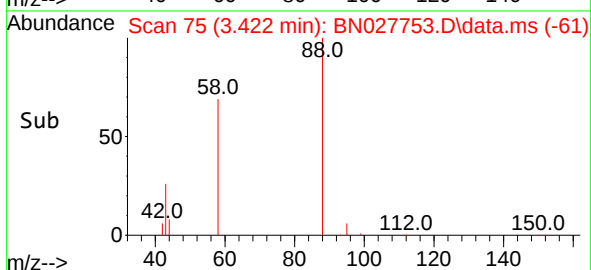
Tgt Ion:152 Resp: 1987  
 Ion Ratio Lower Upper  
 152 100  
 150 153.1 119.2 178.8  
 115 70.2 53.8 80.8

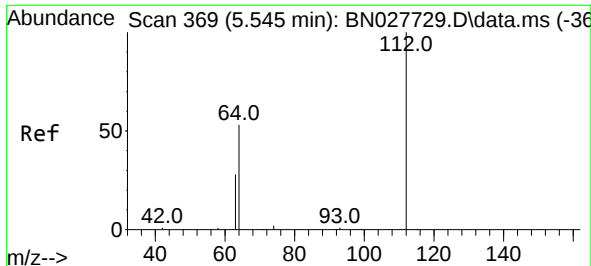


#2  
 1,4-Dioxane  
 Concen: 3.405 ng  
 RT: 3.422 min Scan# 75  
 Delta R.T. 0.000 min  
 Lab File: BN027753.D  
 Acq: 19 Sep 2023 17:24



Tgt Ion: 88 Resp: 7902  
 Ion Ratio Lower Upper  
 88 100  
 43 26.2 21.5 32.3  
 58 68.1 54.4 81.6

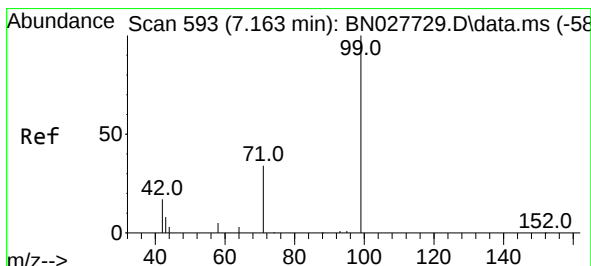
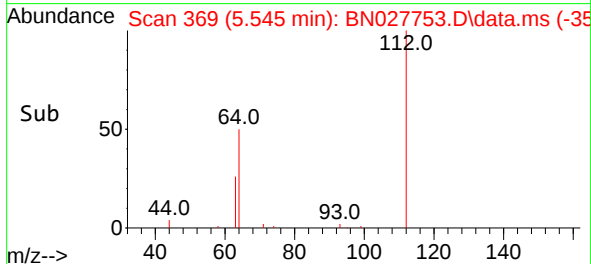
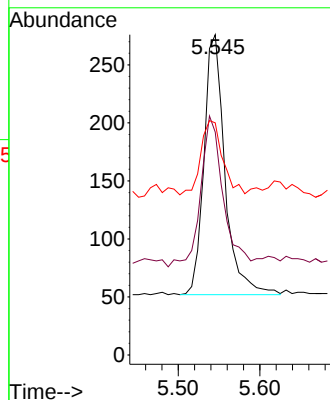
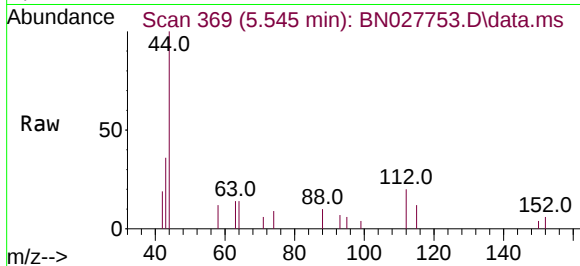




#4  
2-Fluorophenol  
Concen: 0.077 ng  
RT: 5.545 min Scan# 369  
Delta R.T. 0.000 min  
Lab File: BN027753.D  
Acq: 19 Sep 2023 17:24

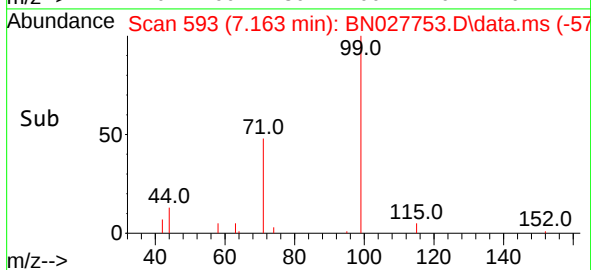
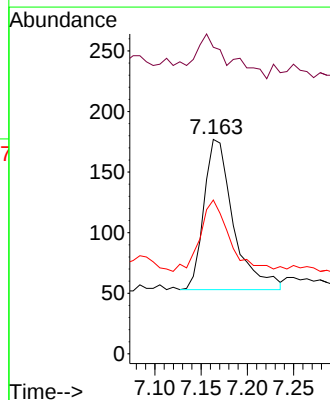
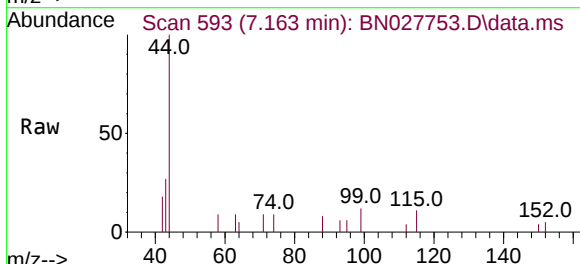
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BNA\_N  
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BR-01-170-090623DL

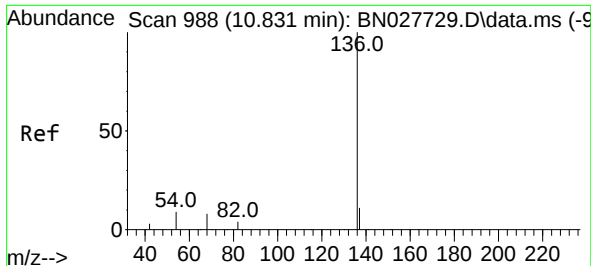
Tgt Ion: 112 Resp: 400  
Ion Ratio Lower Upper  
112 100  
64 62.5 45.0 67.6  
63 31.5 24.1 36.1



#5  
Phenol-d6  
Concen: 0.043 ng  
RT: 7.163 min Scan# 593  
Delta R.T. 0.007 min  
Lab File: BN027753.D  
Acq: 19 Sep 2023 17:24

Tgt Ion: 99 Resp: 276  
Ion Ratio Lower Upper  
99 100  
42 31.5 15.8 23.8#  
71 46.7 27.3 40.9#

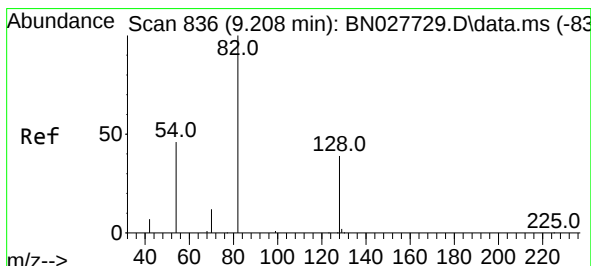
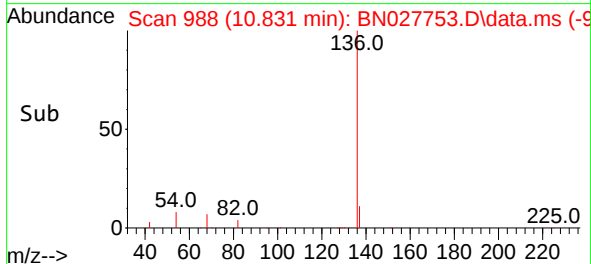
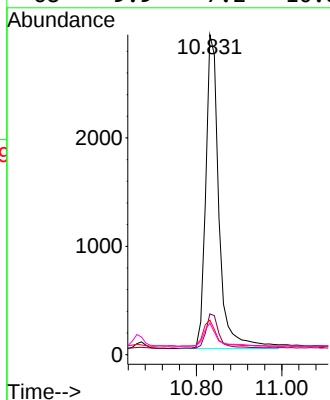
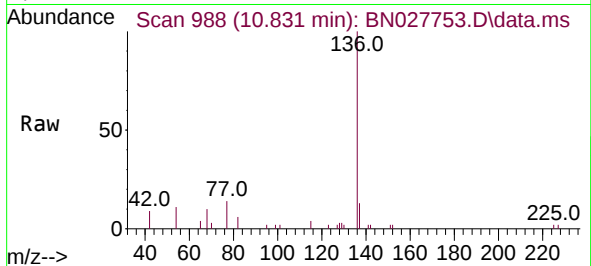




#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.831 min Scan# 988  
Delta R.T. 0.000 min  
Lab File: BN027753.D  
Acq: 19 Sep 2023 17:24

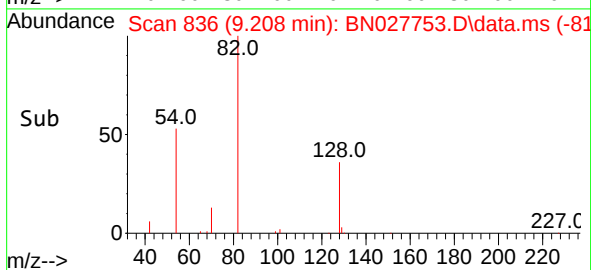
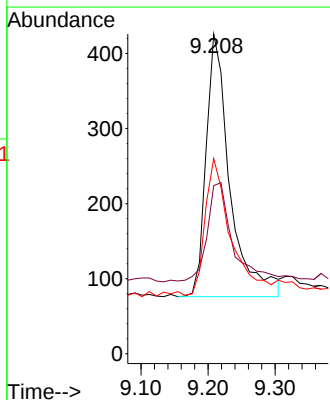
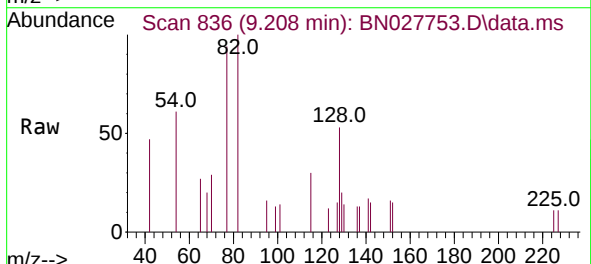
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BR-01-170-090623DL

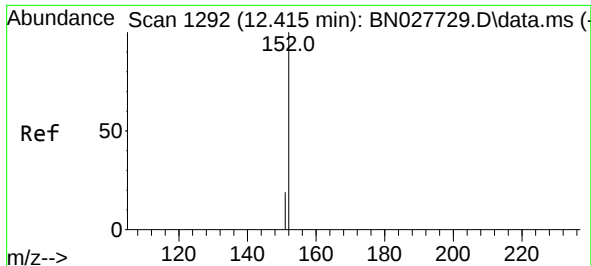
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 136   | Resp: | 6237  |
| Ion      | Ratio | Lower | Upper |
| 136      | 100   |       |       |
| 137      | 12.7  | 9.8   | 14.8  |
| 54       | 10.8  | 7.8   | 11.6  |
| 68       | 9.9   | 7.2   | 10.8  |



#8  
Nitrobenzene-d5  
Concen: 0.170 ng  
RT: 9.208 min Scan# 836  
Delta R.T. 0.000 min  
Lab File: BN027753.D  
Acq: 19 Sep 2023 17:24

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 82    | Resp: | 863   |
| Ion      | Ratio | Lower | Upper |
| 82       | 100   |       |       |
| 128      | 52.6  | 35.1  | 52.7  |
| 54       | 61.0  | 35.1  | 52.7  |

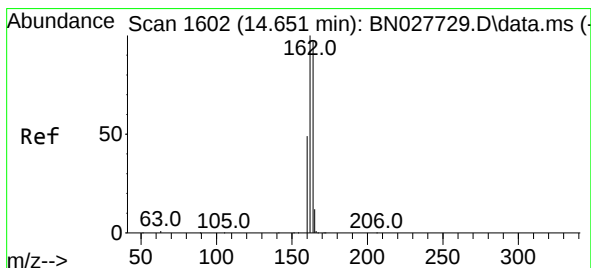
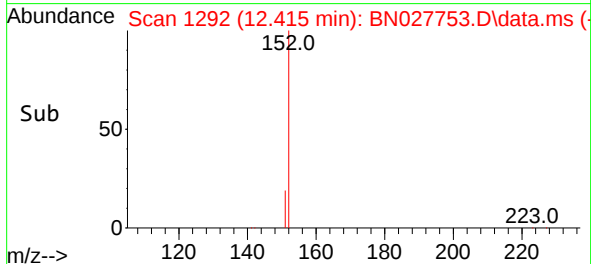
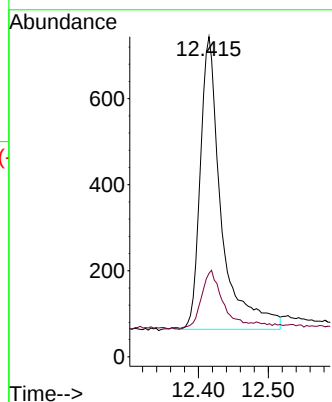
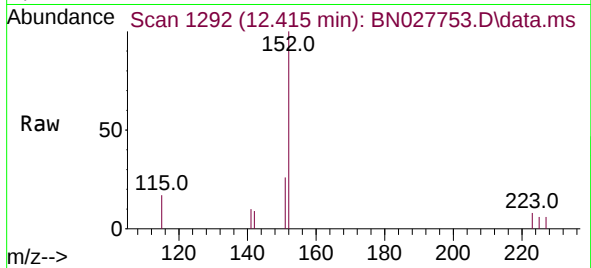




#11  
2-Methylnaphthalene-d10  
Concen: 0.155 ng  
RT: 12.415 min Scan# 11  
Delta R.T. 0.004 min  
Lab File: BN027753.D  
Acq: 19 Sep 2023 17:24

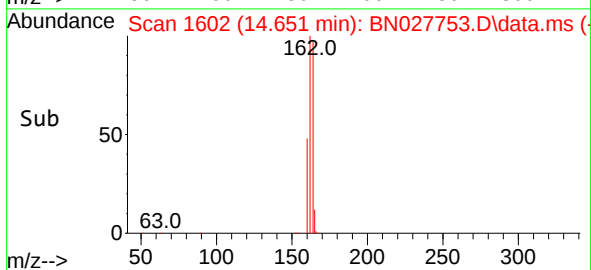
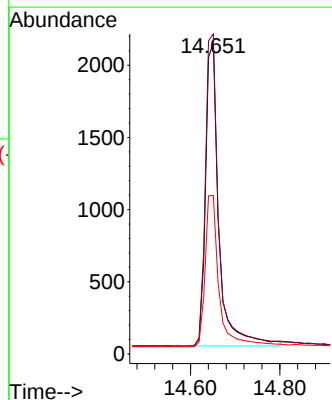
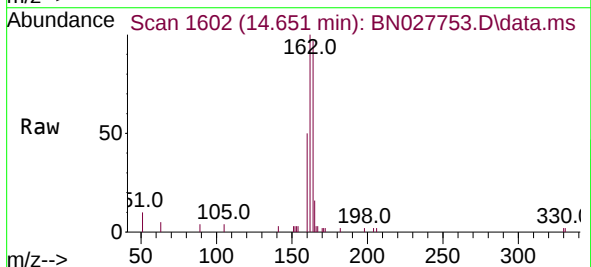
Instrument :  
BNA\_N  
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BR-01-170-090623DL

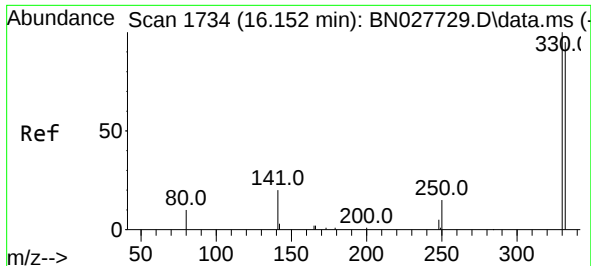
Tgt Ion:152 Resp: 1428  
Ion Ratio Lower Upper  
152 100  
151 20.0 16.5 24.7



#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.651 min Scan# 1602  
Delta R.T. 0.011 min  
Lab File: BN027753.D  
Acq: 19 Sep 2023 17:24

Tgt Ion:164 Resp: 4328  
Ion Ratio Lower Upper  
164 100  
162 102.7 83.4 125.2  
160 50.9 41.0 61.4





#14

2,4,6-Tribromophenol

Concen: 0.182 ng

RT: 16.139 min Scan# 1

Delta R.T. 0.000 min

Lab File: BN027753.D

Acq: 19 Sep 2023 17:24

Instrument :

BNA\_N

ClientSampleId :

BR-01-170-090623DL

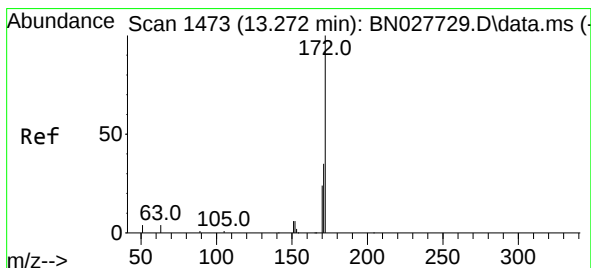
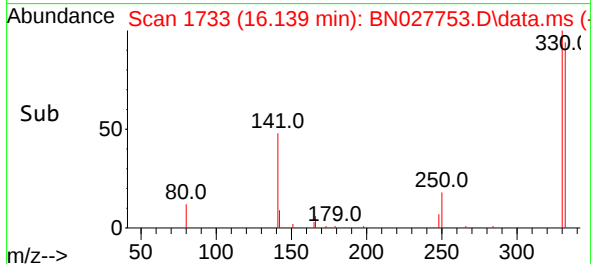
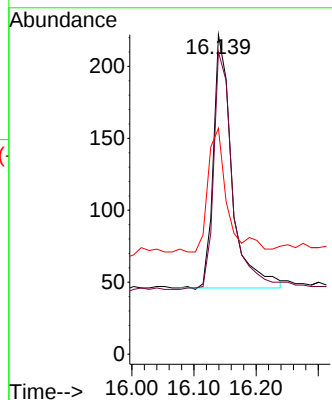
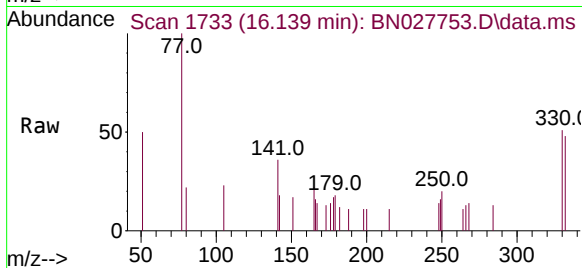
Tgt Ion:330 Resp: 367

Ion Ratio Lower Upper

330 100

332 95.6 76.6 115.0

141 50.1 38.2 57.2



#15

2-Fluorobiphenyl

Concen: 0.193 ng

RT: 13.272 min Scan# 1473

Delta R.T. 0.000 min

Lab File: BN027753.D

Acq: 19 Sep 2023 17:24

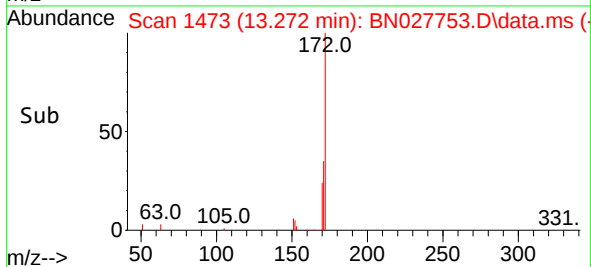
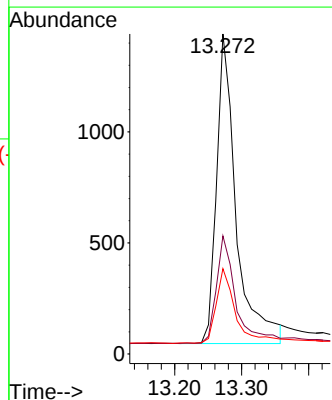
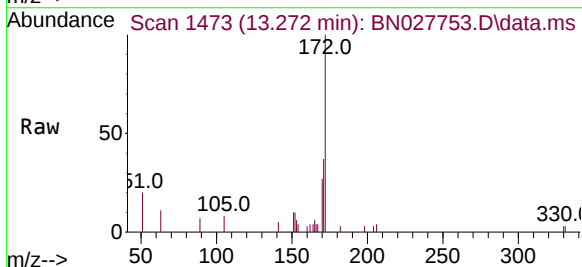
Tgt Ion:172 Resp: 2840

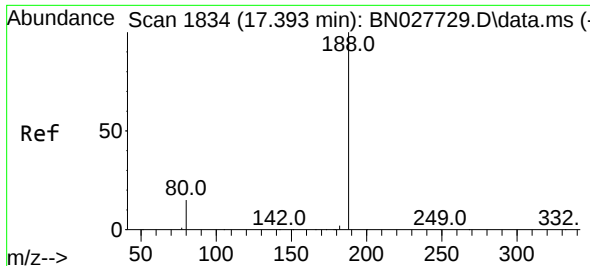
Ion Ratio Lower Upper

172 100

171 36.9 27.6 41.4

170 26.6 18.7 28.1

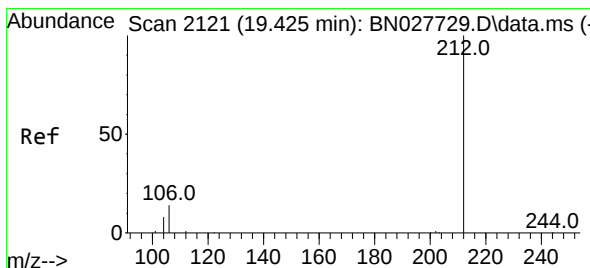
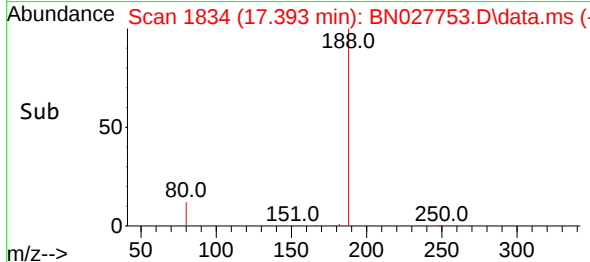
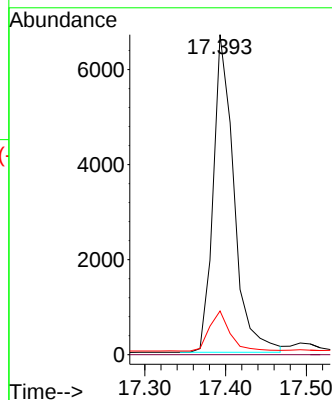
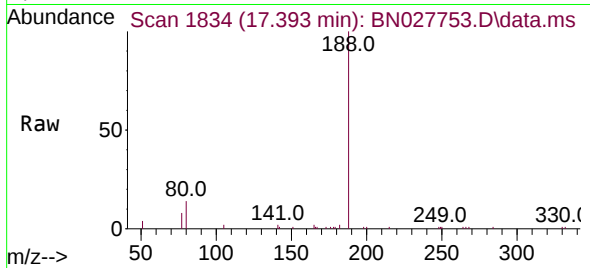




#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.393 min Scan# 11899  
Delta R.T. 0.000 min  
Lab File: BN027753.D  
Acq: 19 Sep 2023 17:24

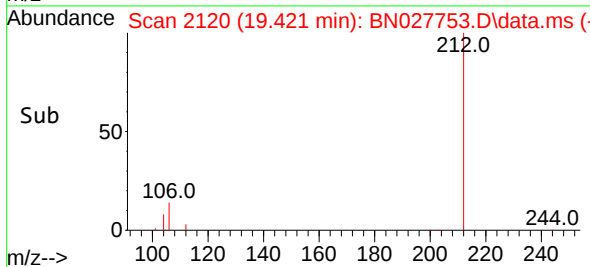
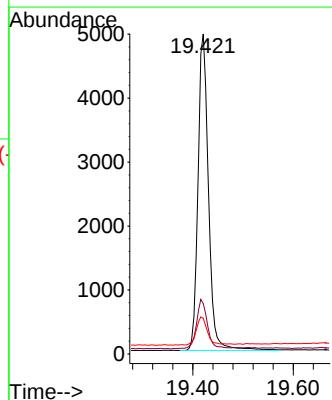
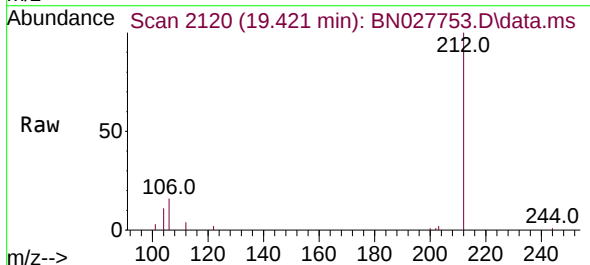
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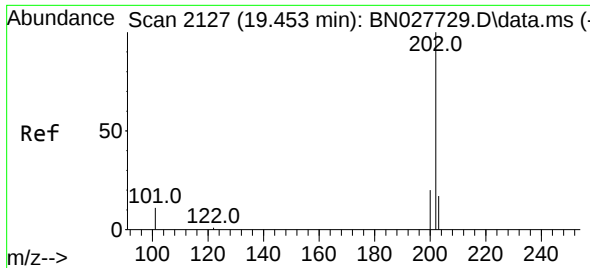
Tgt Ion:188 Resp: 11899  
Ion Ratio Lower Upper  
188 100  
94 0.0 0.0 0.0  
80 13.7 9.5 14.3



#27  
Fluoranthene-d10  
Concen: 0.215 ng  
RT: 19.421 min Scan# 2120  
Delta R.T. 0.000 min  
Lab File: BN027753.D  
Acq: 19 Sep 2023 17:24

Tgt Ion:212 Resp: 7162  
Ion Ratio Lower Upper  
212 100  
106 16.5 11.9 17.9  
104 9.6 6.7 10.1

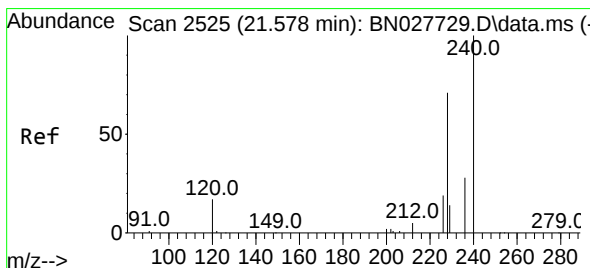
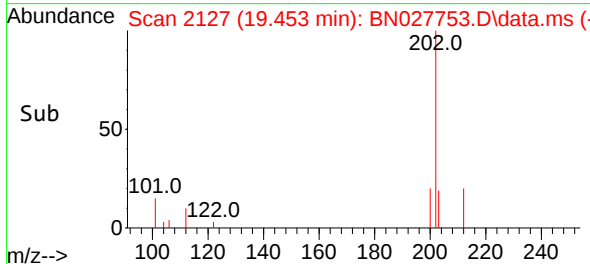
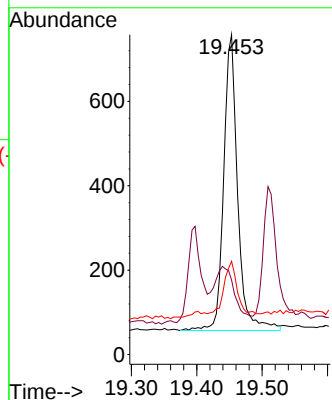
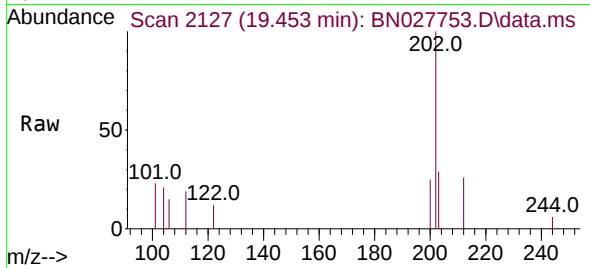




#28  
Fluoranthene  
Concen: 0.023 ng  
RT: 19.453 min Scan# 2127  
Delta R.T. 0.005 min  
Lab File: BN027753.D  
Acq: 19 Sep 2023 17:24

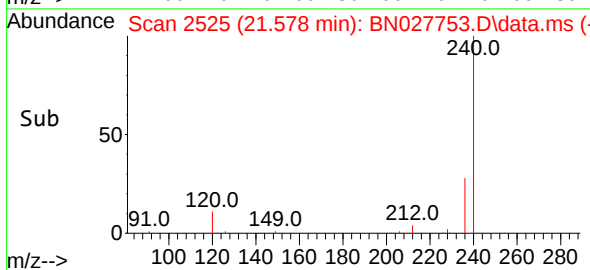
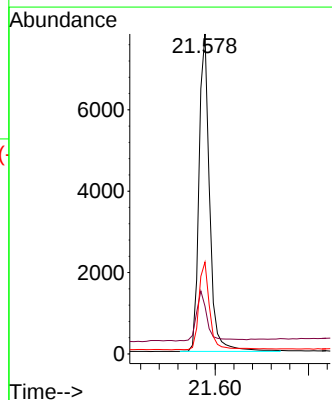
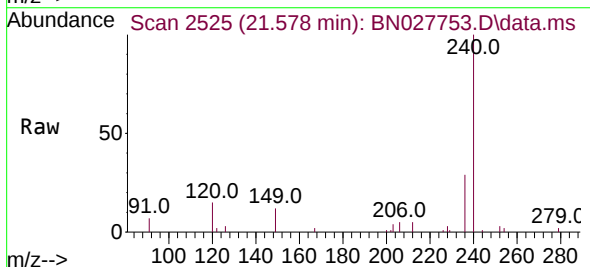
Instrument :  
BNA\_N  
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BR-01-170-090623DL

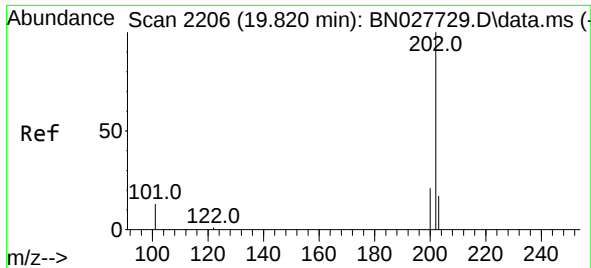
Tgt Ion:202 Resp: 1040  
Ion Ratio Lower Upper  
202 100  
101 23.5 9.5 14.3#  
203 17.1 13.8 20.8



#29  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.578 min Scan# 2525  
Delta R.T. 0.000 min  
Lab File: BN027753.D  
Acq: 19 Sep 2023 17:24

Tgt Ion:240 Resp: 12376  
Ion Ratio Lower Upper  
240 100  
120 14.9 10.7 16.1  
236 28.7 22.4 33.6

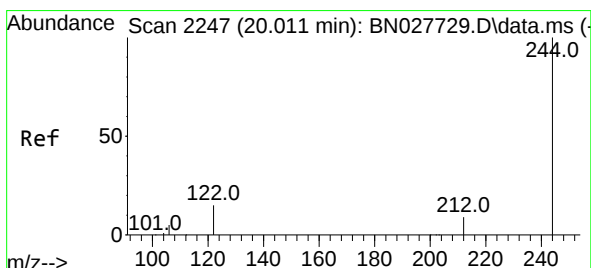
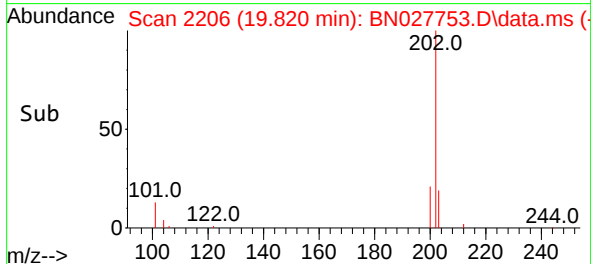
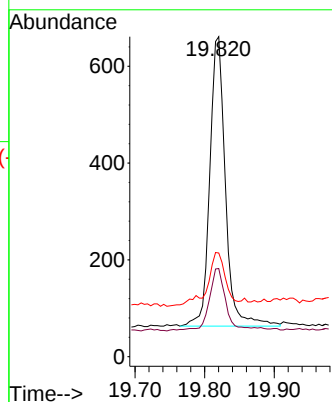
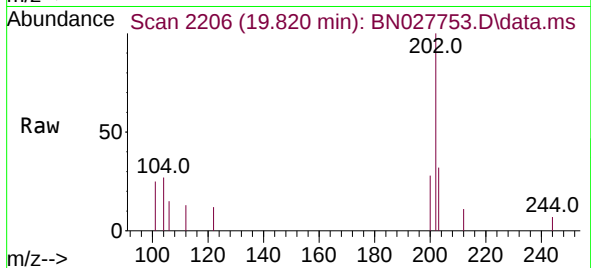




#30  
Pyrene  
Concen: 0.022 ng  
RT: 19.820 min Scan# 21  
Delta R.T. 0.005 min  
Lab File: BN027753.D  
Acq: 19 Sep 2023 17:24

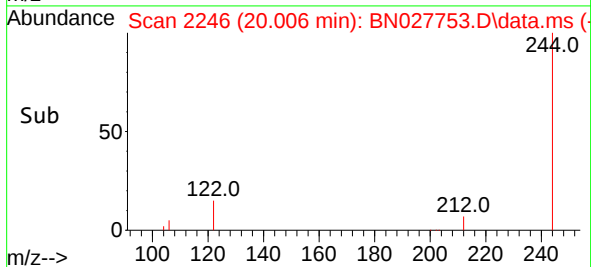
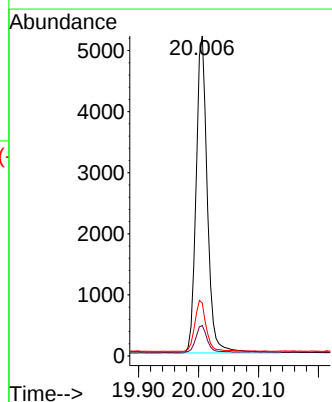
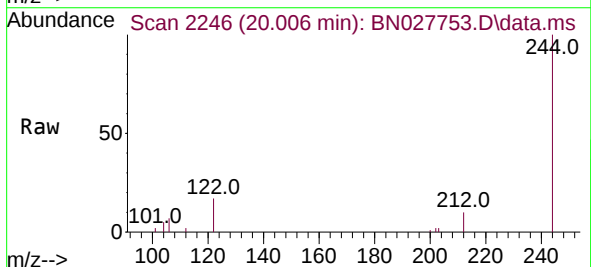
Instrument :  
BNA\_N  
ClientSampleId :  
BR-01-170-090623DL

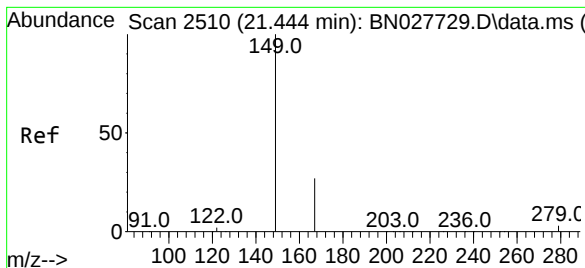
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 202   | Resp: | 936   |
| Ion      | Ratio | Lower | Upper |
| 202      | 100   |       |       |
| 200      | 22.9  | 16.8  | 25.2  |
| 203      | 20.8  | 14.2  | 21.4  |



#31  
Terphenyl-d14  
Concen: 0.290 ng  
RT: 20.006 min Scan# 2246  
Delta R.T. 0.000 min  
Lab File: BN027753.D  
Acq: 19 Sep 2023 17:24

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 244   | Resp: | 6743  |
| Ion      | Ratio | Lower | Upper |
| 244      | 100   |       |       |
| 212      | 9.5   | 7.0   | 10.4  |
| 122      | 16.5  | 12.7  | 19.1  |

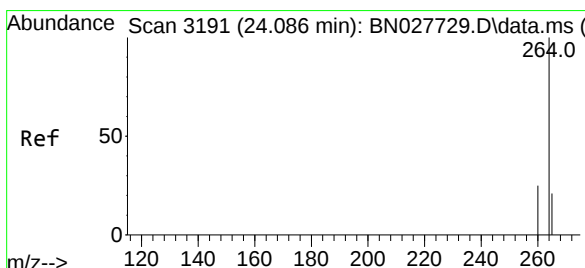
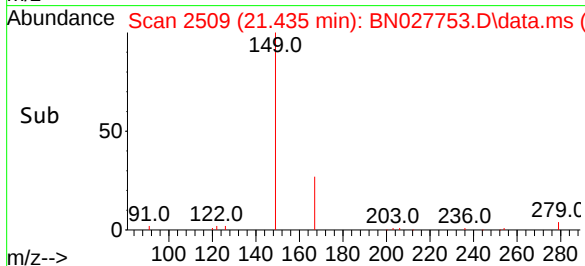
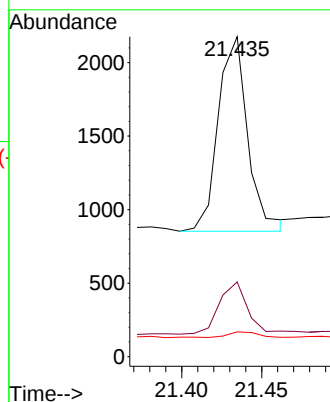
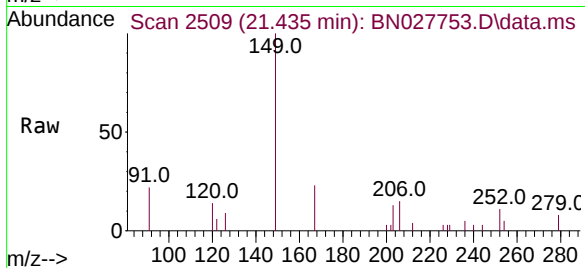




#34  
 Bis(2-ethylhexyl)phthalate  
 Concen: 0.082 ng  
 RT: 21.435 min Scan# 21435  
 Delta R.T. 0.000 min  
 Lab File: BN027753.D  
 Acq: 19 Sep 2023 17:24

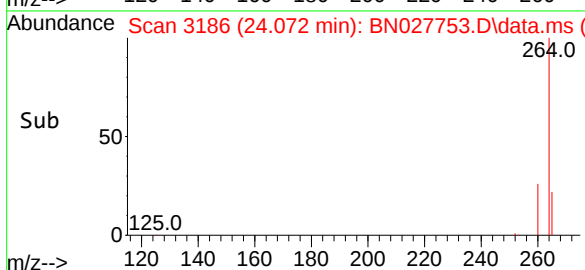
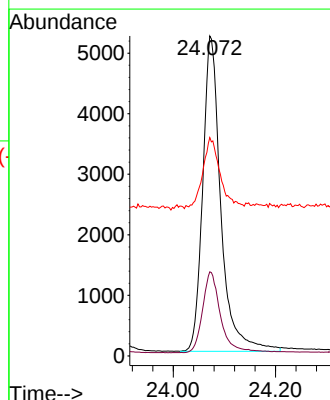
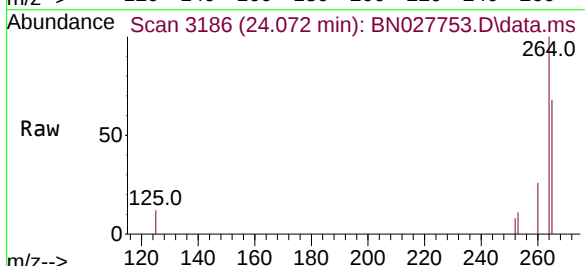
Instrument :  
 BNA\_N  
 ClientSampleId :  
 BR-01-170-090623DL

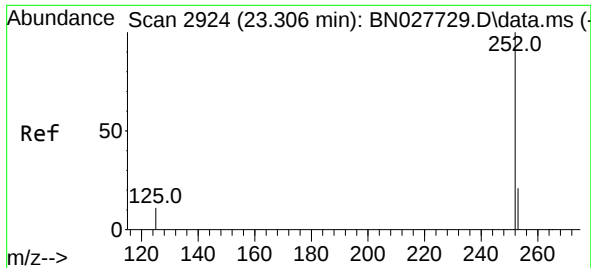
Tgt Ion:149 Resp: 1702  
 Ion Ratio Lower Upper  
 149 100  
 167 28.0 21.5 32.3  
 279 3.1 2.3 3.5



#35  
 Perylene-d12  
 Concen: 0.400 ng  
 RT: 24.072 min Scan# 3186  
 Delta R.T. -0.000 min  
 Lab File: BN027753.D  
 Acq: 19 Sep 2023 17:24

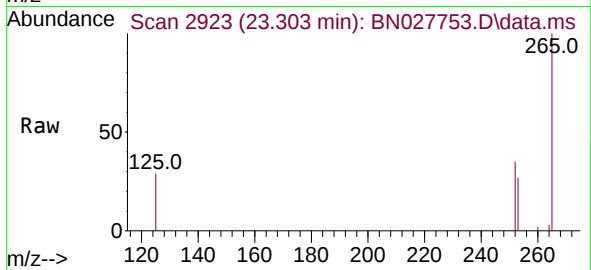
Tgt Ion:264 Resp: 12813  
 Ion Ratio Lower Upper  
 264 100  
 260 26.3 20.9 31.3  
 265 68.2 56.6 85.0





#37  
Benzo(b)fluoranthene  
Concen: 0.025 ng  
RT: 23.303 min Scan# 2924  
Delta R.T. 0.006 min  
Lab File: BN027753.D  
Acq: 19 Sep 2023 17:24

Instrument :  
BNA\_N  
ClientSampleId :  
BR-01-170-090623DL



Tgt Ion:252 Resp: 1205  
Ion Ratio Lower Upper  
252 100  
253 78.2 17.6 26.4#  
125 84.5 9.2 13.8#

