

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN092124\  
 Data File : BN034154.D  
 Acq On : 22 Sep 2024 09:37  
 Operator : JU/RC  
 Sample : P4116-08  
 Misc :  
 ALS Vial : 119 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 RE122D2-20240916

Quant Time: Sep 23 00:05:31 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN091924.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Sep 18 16:09:28 2024  
 Response via : Initial Calibration

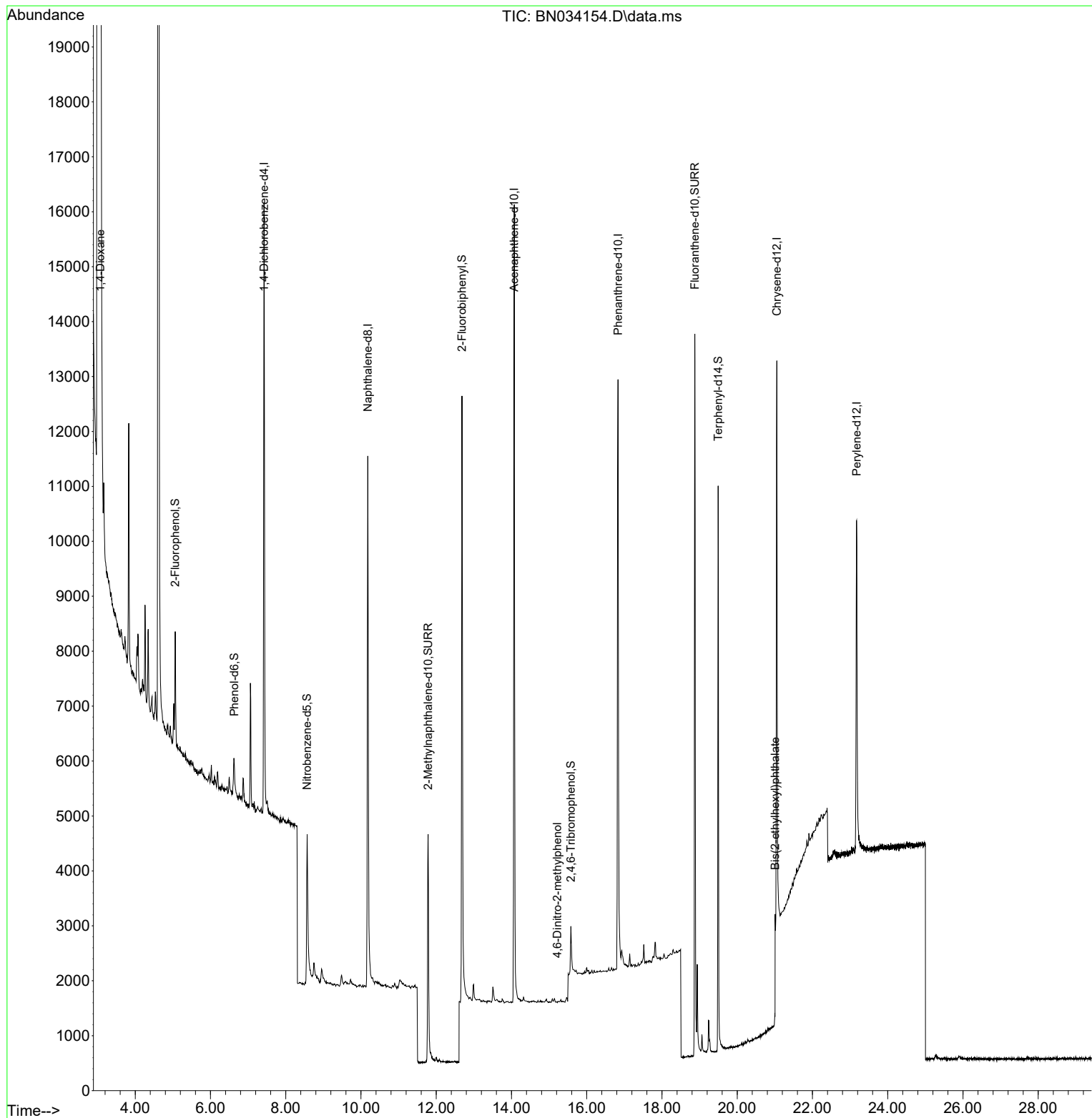
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.423  | 152  | 5275     | 0.400 | ng    | -0.01    |
| 7) Naphthalene-d8             | 10.180 | 136  | 14301    | 0.400 | ng    | #-0.02   |
| 13) Acenaphthene-d10          | 14.073 | 164  | 8377     | 0.400 | ng    | 0.00     |
| 19) Phenanthrene-d10          | 16.833 | 188  | 17259    | 0.400 | ng    | 0.00     |
| 29) Chrysene-d12              | 21.053 | 240  | 11173    | 0.400 | ng    | 0.00     |
| 35) Perylene-d12              | 23.174 | 264  | 8811     | 0.400 | ng    | #-0.01   |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.062  | 112  | 1512     | 0.101 | ng    | -0.01    |
| 5) Phenol-d6                  | 6.629  | 99   | 837      | 0.048 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 8.568  | 82   | 3111     | 0.284 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10   | 11.784 | 152  | 6813     | 0.323 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 15.580 | 330  | 626      | 0.165 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl          | 12.683 | 172  | 11311    | 0.332 | ng    | -0.02    |
| 27) Fluoranthene-d10          | 18.871 | 212  | 15277    | 0.351 | ng    | -0.02    |
| 31) Terphenyl-d14             | 19.494 | 244  | 9948     | 0.446 | ng    | -0.01    |
| Target Compounds              |        |      |          |       |       |          |
| 2) 1,4-Dioxane                | 3.068  | 88   | 26395    | 4.002 | ng    | # 80     |
| 20) 4,6-Dinitro-2-methylph... | 15.216 | 198  | 4        | 0.139 | ng    | # 1      |
| 34) Bis(2-ethylhexyl)phtha... | 21.008 | 149  | 1240     | 0.084 | ng    | # 78     |

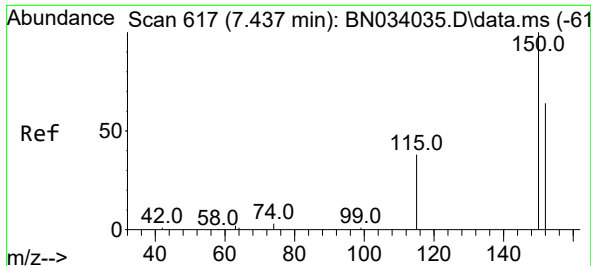
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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RE122D2-20240916

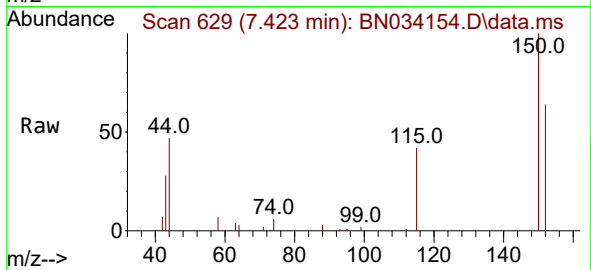
Quant Time: Sep 23 00:05:31 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN091924.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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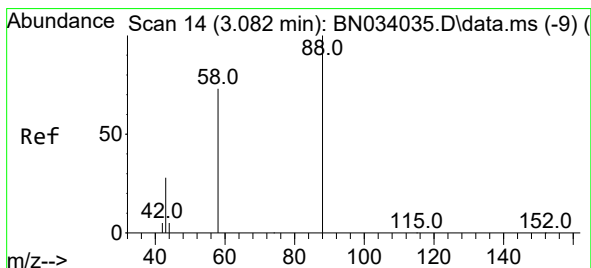
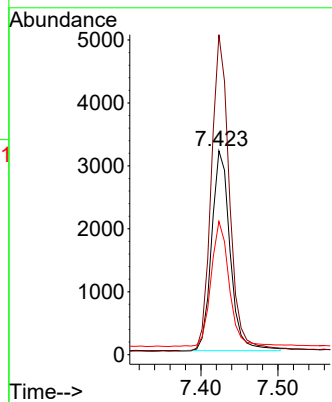
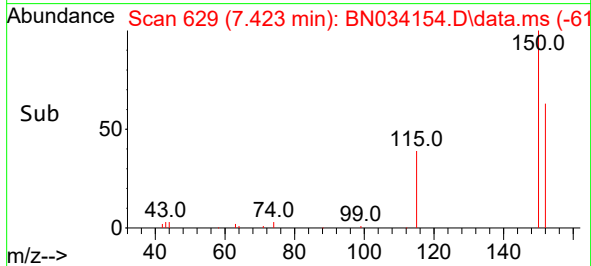


#1  
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.423 min Scan# 61  
Delta R.T. -0.014 min  
Lab File: BN034154.D  
Acq: 22 Sep 2024 09:37

Instrument :  
BNA\_N  
ClientSampleId :  
RE122D2-20240916

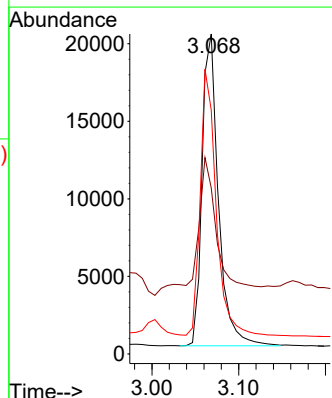
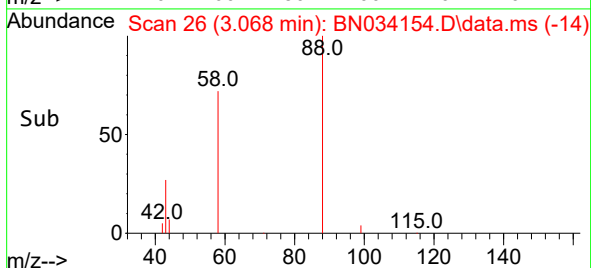
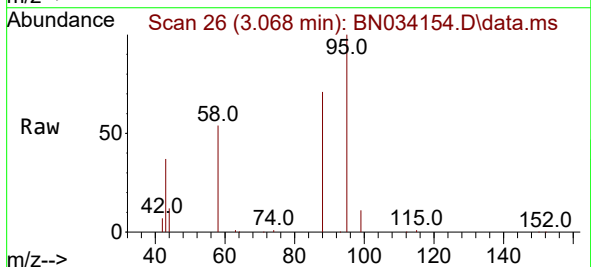


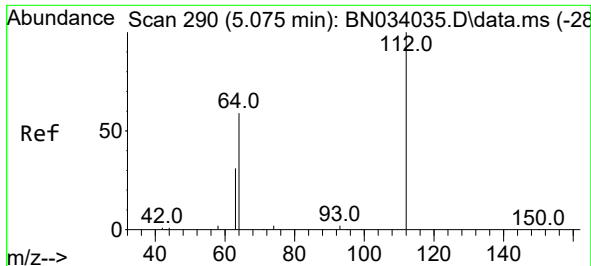
Tgt Ion:152 Resp: 5275  
Ion Ratio Lower Upper  
152 100  
150 157.0 124.6 187.0  
115 65.4 50.0 75.0



#2  
1,4-Dioxane  
Concen: 4.002 ng  
RT: 3.068 min Scan# 26  
Delta R.T. -0.013 min  
Lab File: BN034154.D  
Acq: 22 Sep 2024 09:37

Tgt Ion: 88 Resp: 26395  
Ion Ratio Lower Upper  
88 100  
43 55.4 25.8 38.8#  
58 82.5 58.8 88.2

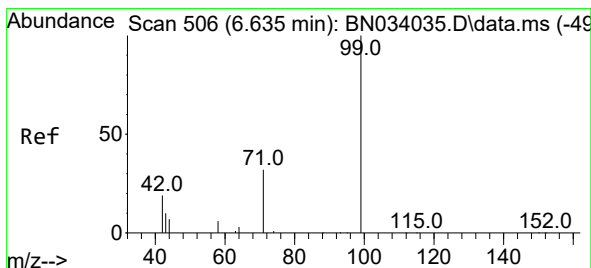
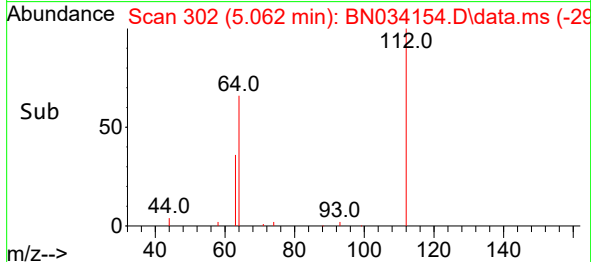
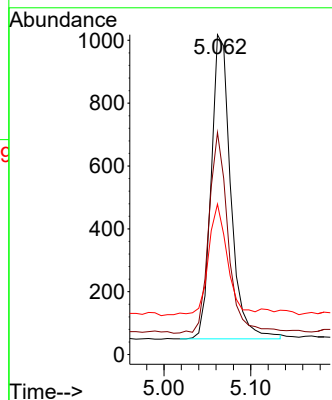
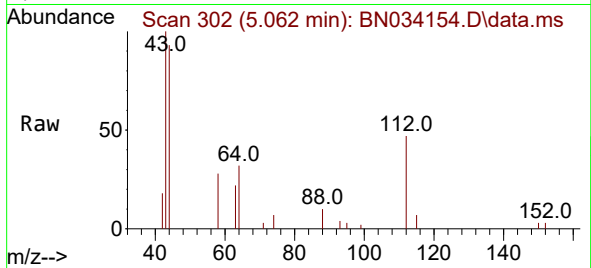




#4  
2-Fluorophenol  
Concen: 0.101 ng  
RT: 5.062 min Scan# 30  
Delta R.T. -0.013 min  
Lab File: BN034154.D  
Acq: 22 Sep 2024 09:37

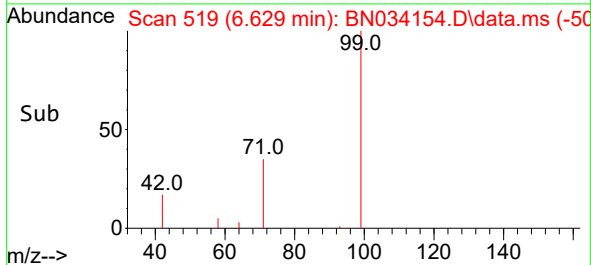
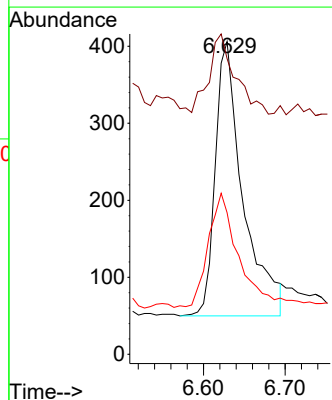
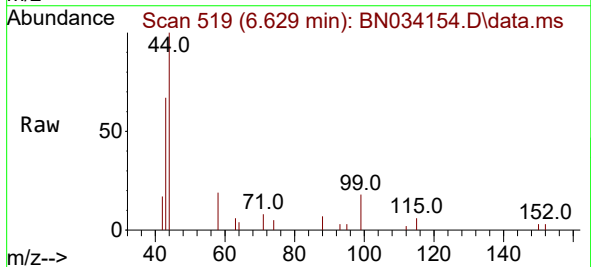
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ClientSampleId :  
RE122D2-20240916

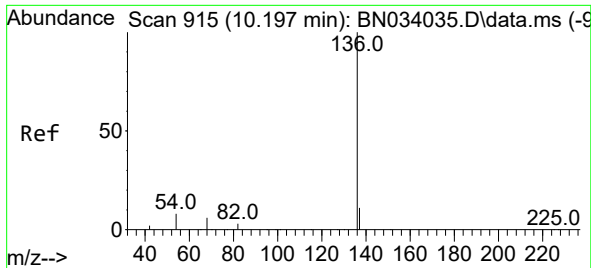
Tgt Ion:112 Resp: 1512  
Ion Ratio Lower Upper  
112 100  
64 65.0 48.6 72.8  
63 34.7 25.6 38.4



#5  
Phenol-d6  
Concen: 0.048 ng  
RT: 6.629 min Scan# 519  
Delta R.T. -0.006 min  
Lab File: BN034154.D  
Acq: 22 Sep 2024 09:37

Tgt Ion: 99 Resp: 837  
Ion Ratio Lower Upper  
99 100  
42 27.4 17.8 26.8#  
71 43.6 26.2 39.2#

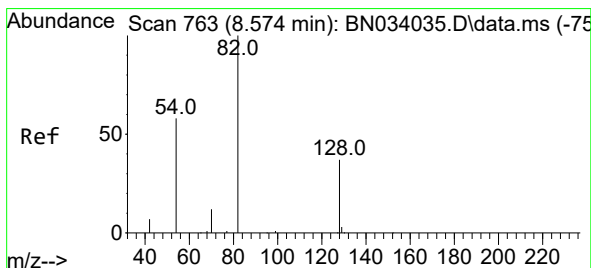
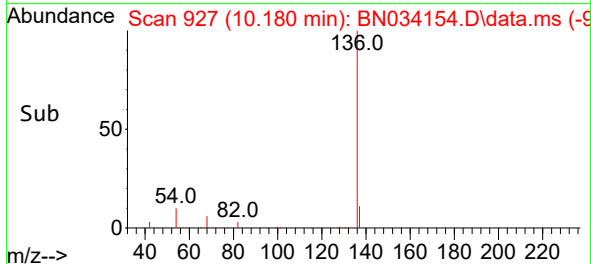
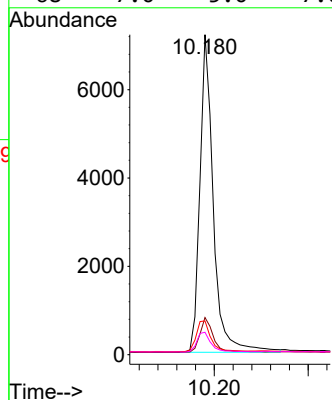
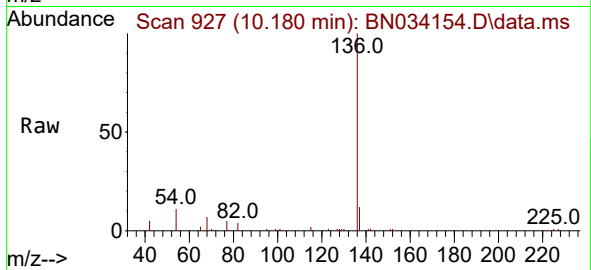




#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.180 min Scan# 915  
Delta R.T. -0.017 min  
Lab File: BN034154.D  
Acq: 22 Sep 2024 09:37

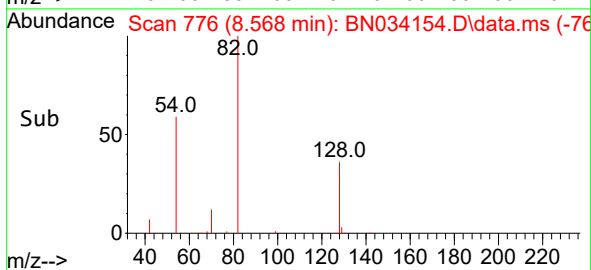
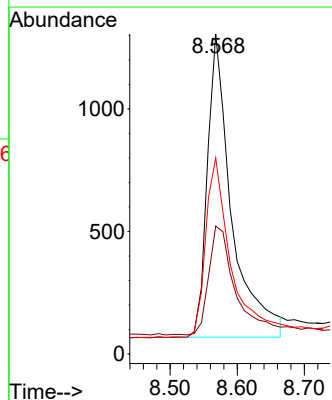
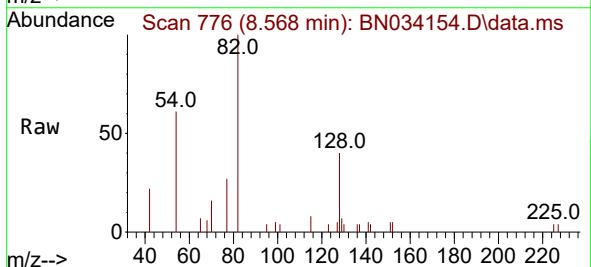
Instrument :  
BNA\_N  
ClientSampleId :  
RE122D2-20240916

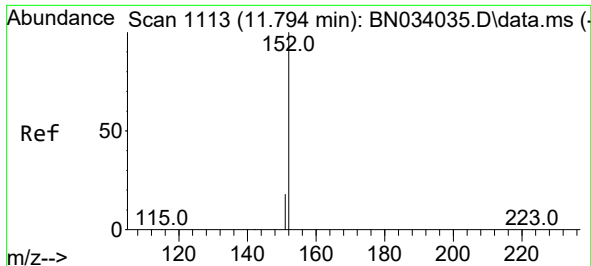
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 136   | Resp: | 14301 |
| Ion Ratio | Lower | Upper |       |
| 136       | 100   |       |       |
| 137       | 11.6  | 9.0   | 13.6  |
| 54        | 10.6  | 6.8   | 10.2  |
| 68        | 7.0   | 5.0   | 7.6   |



#8  
Nitrobenzene-d5  
Concen: 0.284 ng  
RT: 8.568 min Scan# 776  
Delta R.T. -0.006 min  
Lab File: BN034154.D  
Acq: 22 Sep 2024 09:37

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 82    | Resp: | 3111 |
| Ion Ratio | Lower | Upper |      |
| 82        | 100   |       |      |
| 128       | 40.0  | 31.4  | 47.2 |
| 54        | 61.3  | 47.4  | 71.0 |





#11

2-Methylnaphthalene-d10

Concen: 0.323 ng

RT: 11.784 min Scan# 1113

Delta R.T. -0.010 min

Lab File: BN034154.D

Acq: 22 Sep 2024 09:37

Instrument :

BNA\_N

ClientSampleId :

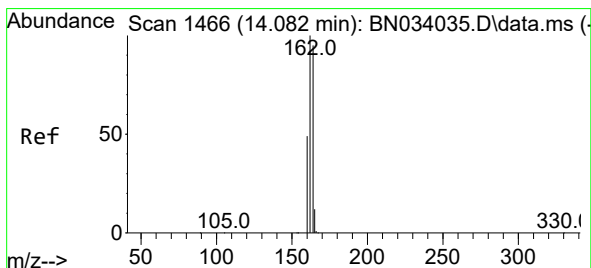
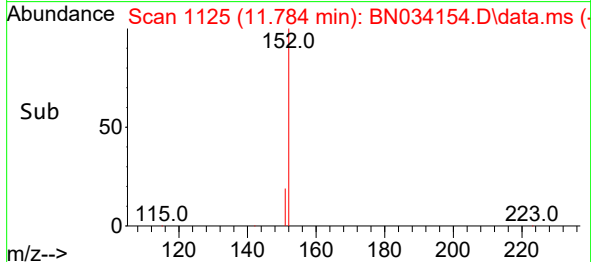
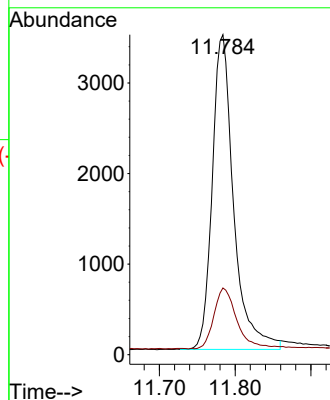
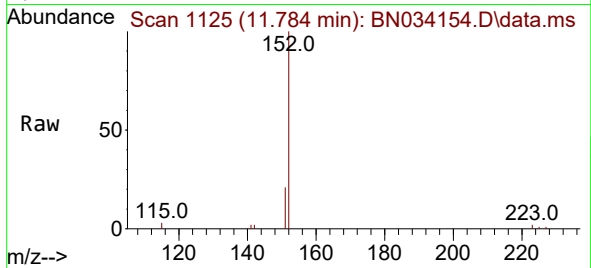
RE122D2-20240916

Tgt Ion:152 Resp: 6813

Ion Ratio Lower Upper

152 100

151 20.7 16.8 25.2



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.073 min Scan# 1480

Delta R.T. -0.009 min

Lab File: BN034154.D

Acq: 22 Sep 2024 09:37

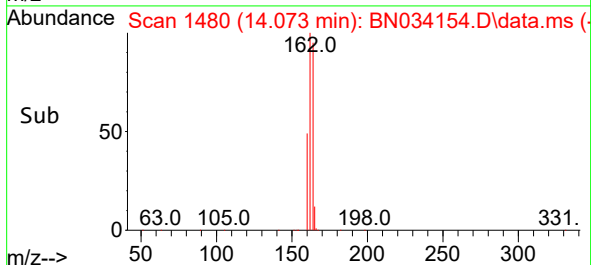
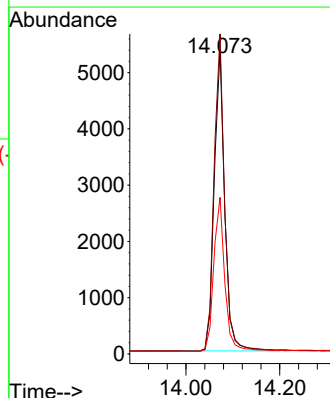
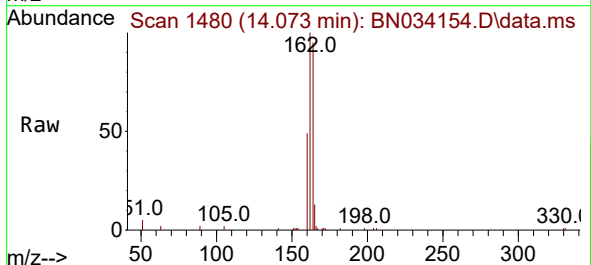
Tgt Ion:164 Resp: 8377

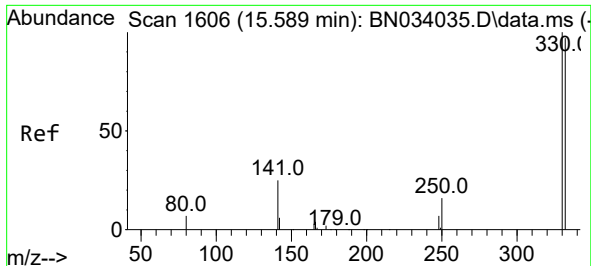
Ion Ratio Lower Upper

164 100

162 105.1 84.2 126.2

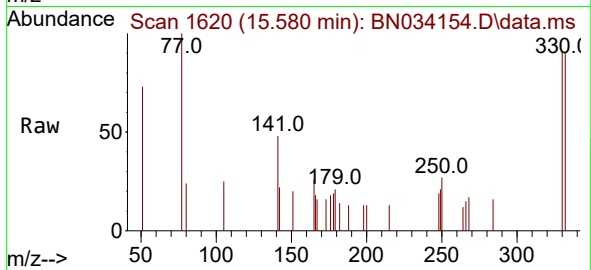
160 51.5 41.7 62.5



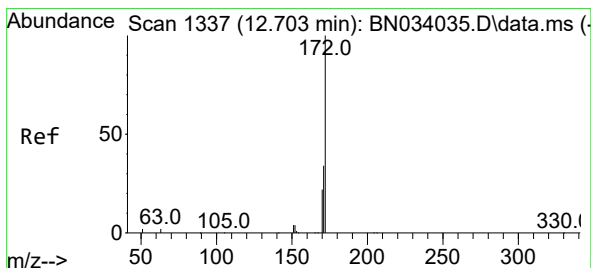
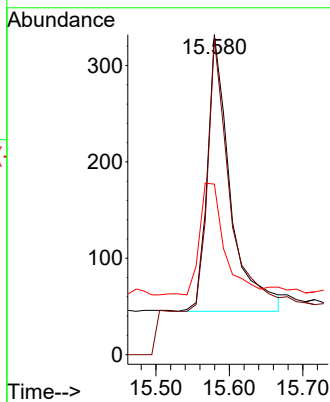
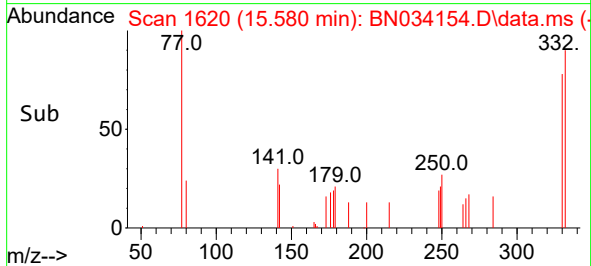


#14  
2,4,6-Tribromophenol  
Concen: 0.165 ng  
RT: 15.580 min Scan# 1  
Delta R.T. -0.009 min  
Lab File: BN034154.D  
Acq: 22 Sep 2024 09:37

Instrument :  
BNA\_N  
ClientSampleId :  
RE122D2-20240916

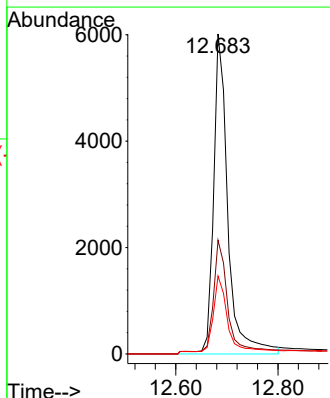
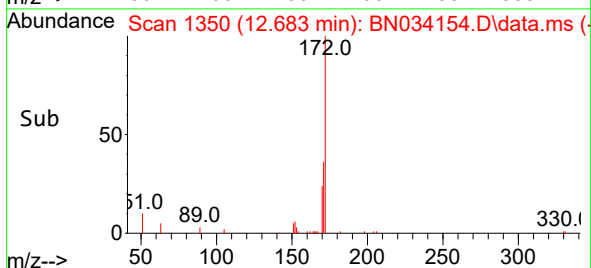
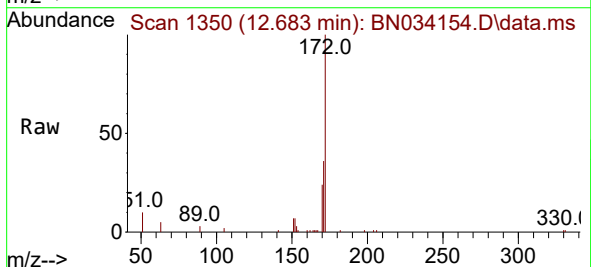


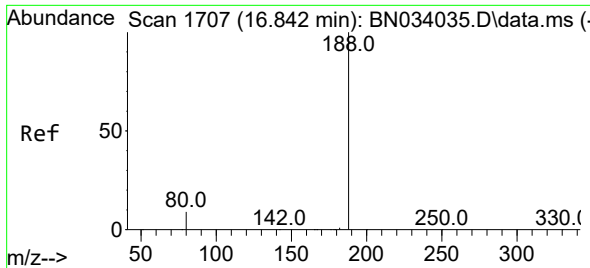
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Ion Ratio Lower Upper  
330 100  
332 95.4 77.4 116.0  
141 46.0 35.9 53.9



#15  
2-Fluorobiphenyl  
Concen: 0.332 ng  
RT: 12.683 min Scan# 1350  
Delta R.T. -0.020 min  
Lab File: BN034154.D  
Acq: 22 Sep 2024 09:37

Tgt Ion:172 Resp: 11311  
Ion Ratio Lower Upper  
172 100  
171 35.5 27.3 40.9  
170 24.4 18.1 27.1

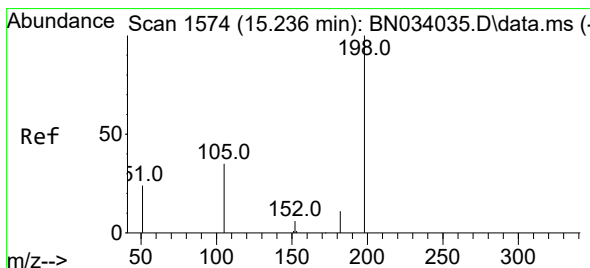
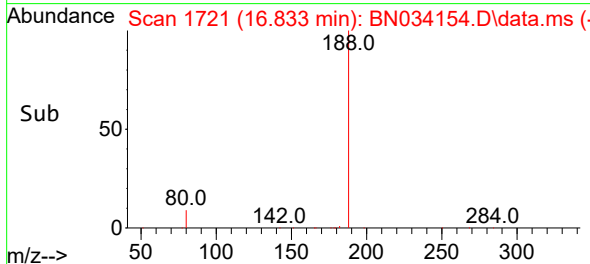
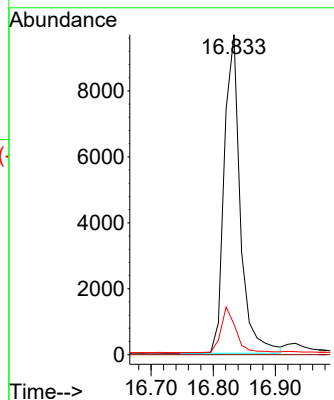
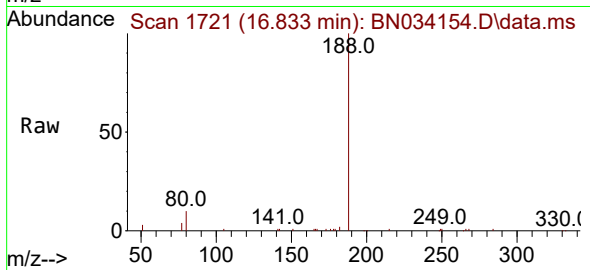




#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 16.833 min Scan# 11  
Delta R.T. -0.009 min  
Lab File: BN034154.D  
Acq: 22 Sep 2024 09:37

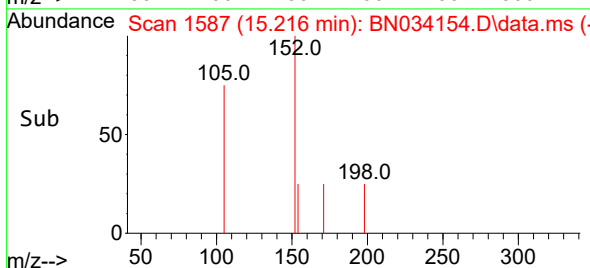
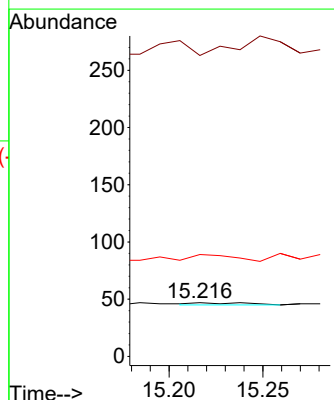
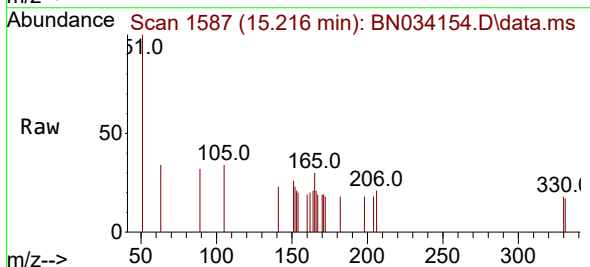
Instrument :  
BNA\_N  
ClientSampleId :  
RE122D2-20240916

Tgt Ion:188 Resp: 17259  
Ion Ratio Lower Upper  
188 100  
94 0.0 0.0 0.0  
80 9.5 7.4 11.0

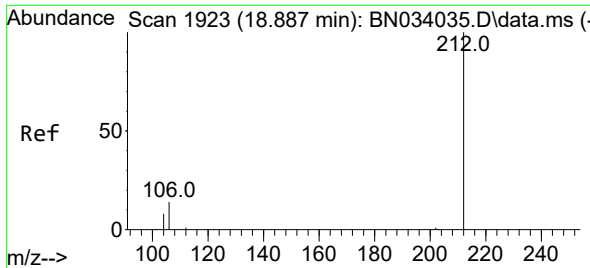


#20  
4,6-Dinitro-2-methylphenol  
Concen: 0.139 ng  
RT: 15.216 min Scan# 1587  
Delta R.T. -0.020 min  
Lab File: BN034154.D  
Acq: 22 Sep 2024 09:37

Tgt Ion:198 Resp: 4  
Ion Ratio Lower Upper  
198 100  
51 559.6 106.4 159.6#  
105 189.4 38.5 57.7#



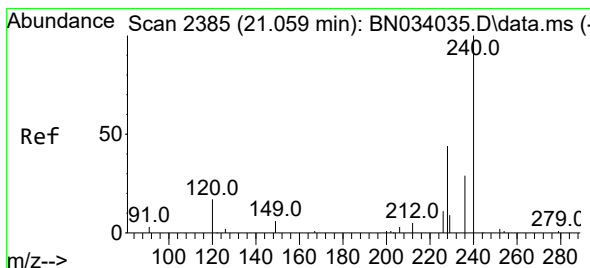
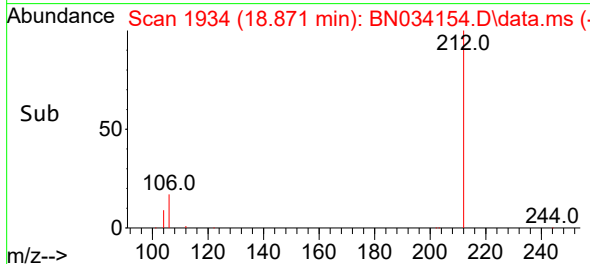
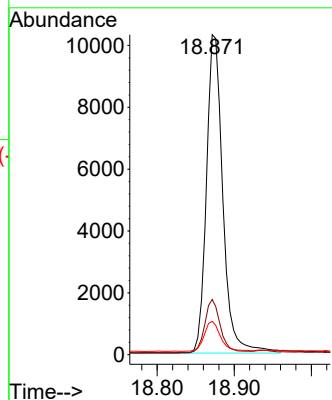
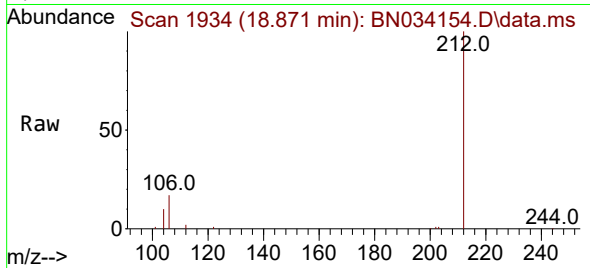




#27  
Fluoranthene-d10  
Concen: 0.351 ng  
RT: 18.871 min Scan# 1923  
Delta R.T. -0.015 min  
Lab File: BN034154.D  
Acq: 22 Sep 2024 09:37

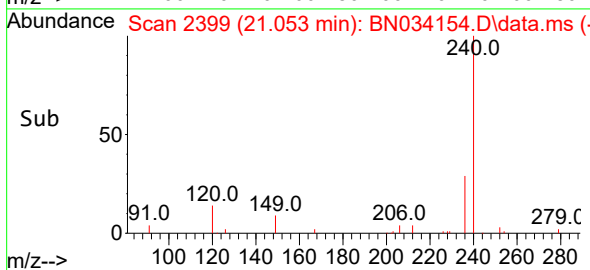
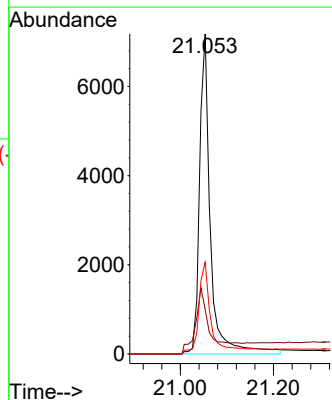
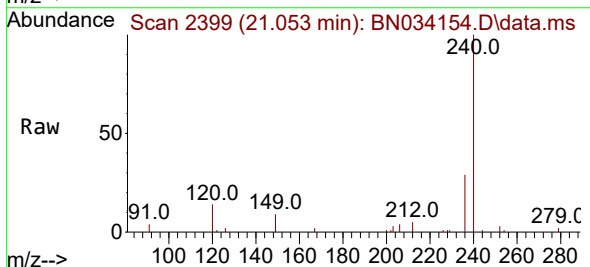
Instrument :  
BNA\_N  
ClientSampleId :  
RE122D2-20240916

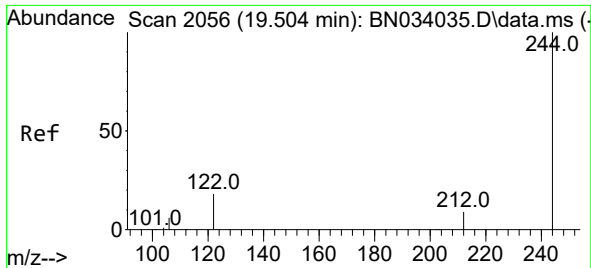
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Ion Ratio Lower Upper  
212 100  
106 15.9 13.4 20.2  
104 9.4 7.8 11.6



#29  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.053 min Scan# 2399  
Delta R.T. -0.006 min  
Lab File: BN034154.D  
Acq: 22 Sep 2024 09:37

Tgt Ion:240 Resp: 11173  
Ion Ratio Lower Upper  
240 100  
120 13.9 13.5 20.3  
236 28.7 23.4 35.0

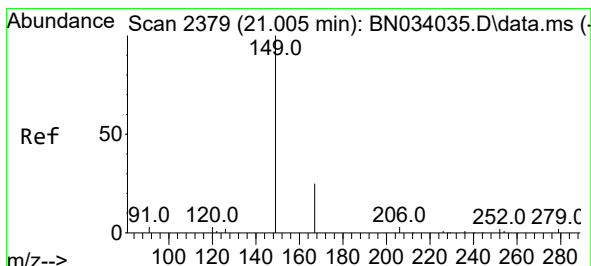
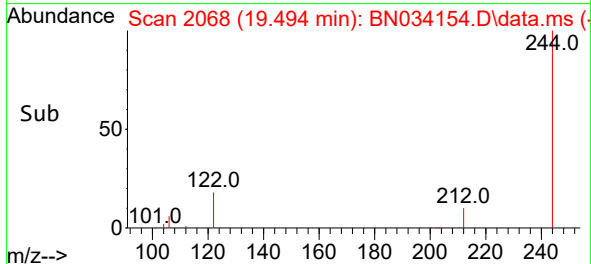
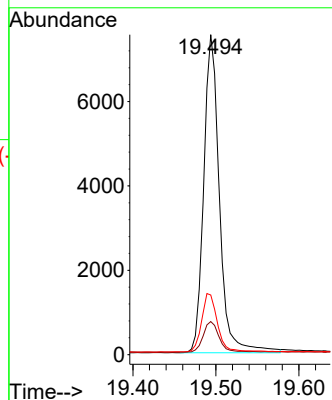
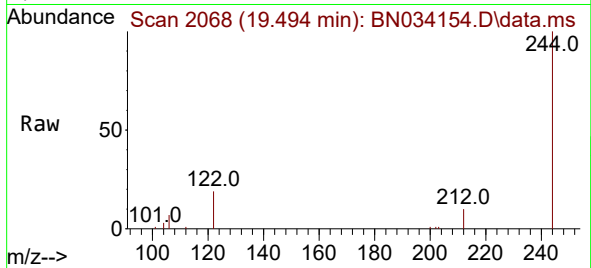




#31  
Terphenyl-d14  
Concen: 0.446 ng  
RT: 19.494 min Scan# 2056  
Delta R.T. -0.011 min  
Lab File: BN034154.D  
Acq: 22 Sep 2024 09:37

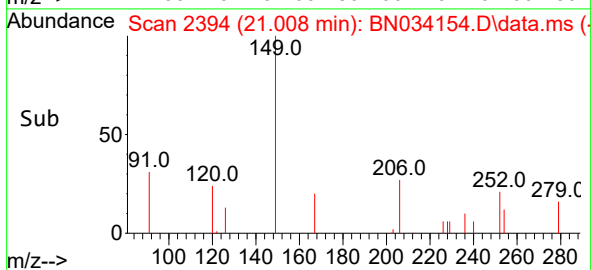
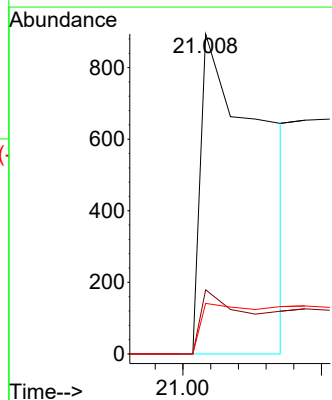
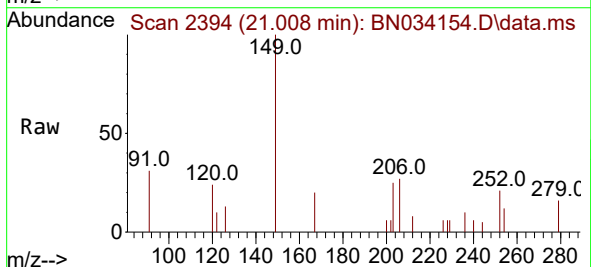
Instrument :  
BNA\_N  
ClientSampleId :  
RE122D2-20240916

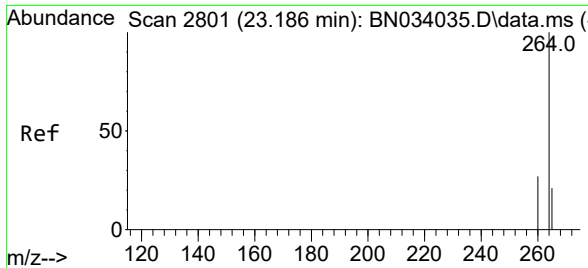
Tgt Ion:244 Resp: 9948  
Ion Ratio Lower Upper  
244 100  
212 10.3 7.8 11.6  
122 18.6 14.8 22.2



#34  
Bis(2-ethylhexyl)phthalate  
Concen: 0.084 ng  
RT: 21.008 min Scan# 2394  
Delta R.T. 0.003 min  
Lab File: BN034154.D  
Acq: 22 Sep 2024 09:37

Tgt Ion:149 Resp: 1240  
Ion Ratio Lower Upper  
149 100  
167 13.6 19.9 29.9#  
279 13.1 4.6 6.8#





#35  
Perylene-d12  
Concen: 0.400 ng  
RT: 23.174 min Scan# 21  
Delta R.T. -0.012 min  
Lab File: BN034154.D  
Acq: 22 Sep 2024 09:37

Instrument :  
BNA\_N  
ClientSampleId :  
RE122D2-20240916

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 264   | Resp: | 8811  |
| Ion      | Ratio | Lower | Upper |
| 264      | 100   |       |       |
| 260      | 27.0  | 21.7  | 32.5  |
| 265      | 84.4  | 52.1  | 78.1# |

