

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN082922\  
 Data File : BN021439.D  
 Acq On : 30 Aug 2022 02:59  
 Operator : CG/JU  
 Sample : N4281-09  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 RE132D4-20220818

Quant Time: Aug 30 04:15:59 2022  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\8270-SIM-BN082922.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Aug 29 16:30:43 2022  
 Response via : Initial Calibration

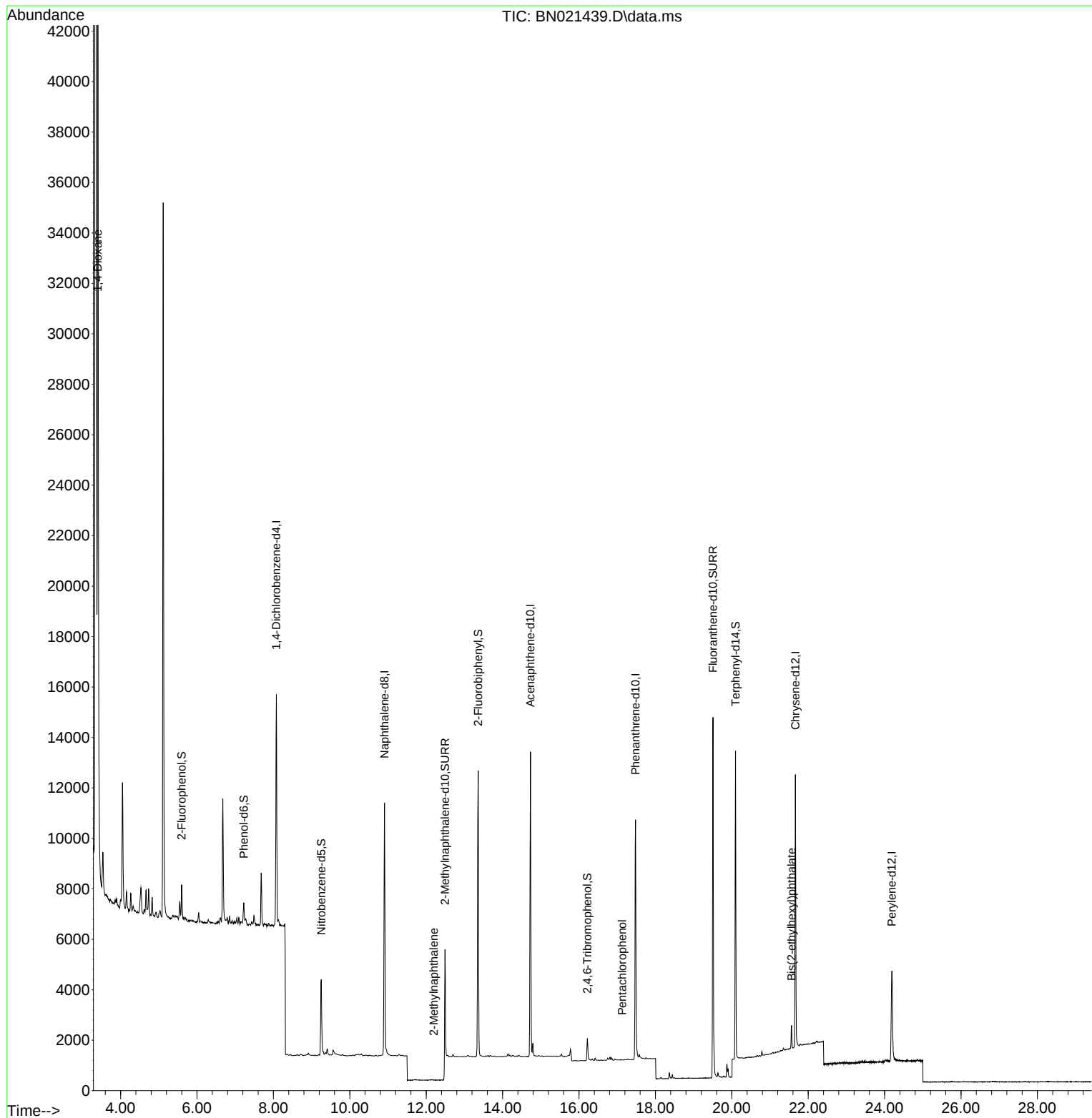
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.076  | 152  | 4391     | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.909 | 136  | 13441    | 0.400 | ng    | 0.00     |
| 13) Acenaphthene-d10          | 14.729 | 164  | 6905     | 0.400 | ng    | 0.00     |
| 19) Phenanthrene-d10          | 17.480 | 188  | 13999    | 0.400 | ng    | 0.00     |
| 29) Chrysene-d12              | 21.664 | 240  | 10016    | 0.400 | ng    | # 0.00   |
| 35) Perylene-d12              | 24.188 | 264  | 6055     | 0.400 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.599  | 112  | 1139     | 0.133 | ng    | 0.00     |
| 5) Phenol-d6                  | 7.224  | 99   | 827      | 0.076 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 9.254  | 82   | 2943     | 0.324 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10   | 12.493 | 152  | 10702    | 0.353 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 16.219 | 330  | 560      | 0.247 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl          | 13.360 | 172  | 10399    | 0.344 | ng    | 0.00     |
| 27) Fluoranthene-d10          | 19.506 | 212  | 15708    | 0.436 | ng    | 0.00     |
| 31) Terphenyl-d14             | 20.097 | 244  | 10681    | 0.474 | ng    | 0.00     |
| Target Compounds              |        |      |          |       |       |          |
| 2) 1,4-Dioxane                | 3.403  | 88   | 32120    | 5.849 | ng    | # 90     |
| 12) 2-Methylnaphthalene       | 12.199 | 142  | 3        | 0.127 | ng    | # 1      |
| 24) Pentachlorophenol         | 17.131 | 266  | 12       | 0.206 | ng    | # 73     |
| 34) Bis(2-ethylhexyl)phtha... | 21.566 | 149  | 1019     | 0.073 | ng    | # 94     |
| -----                         |        |      |          |       |       |          |

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

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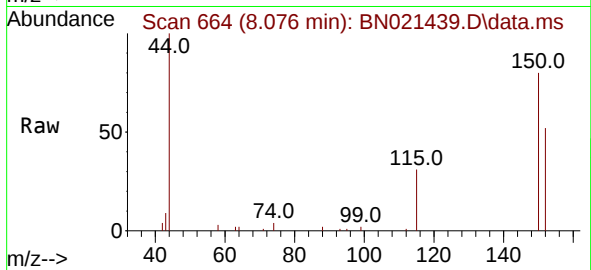
Quant Time: Aug 30 04:15:59 2022  
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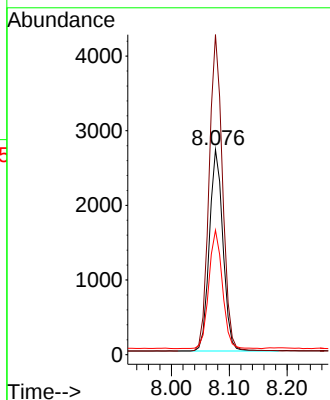
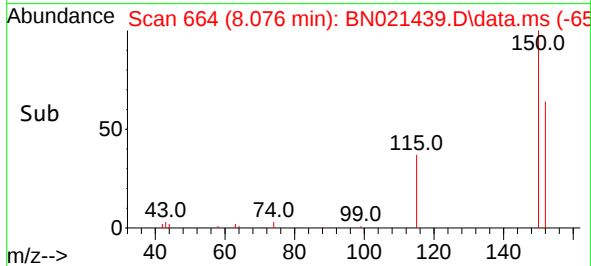


#1  
 1,4-Dichlorobenzene-d4  
 Concen: 0.400 ng  
 RT: 8.076 min Scan# 6  
 Delta R.T. -0.007 min  
 Lab File: BN021439.D  
 Acq: 30 Aug 2022 02:59

Instrument :  
 BNA\_N  
 ClientSampleId :  
 RE132D4-20220818

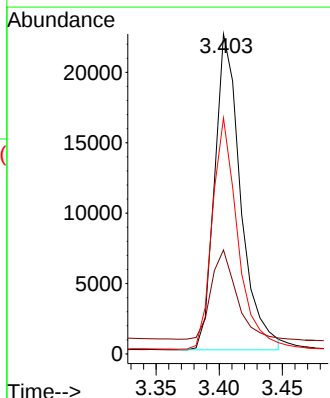
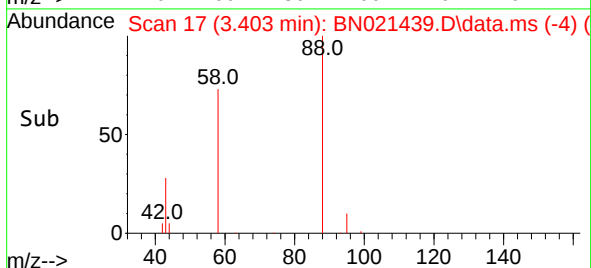
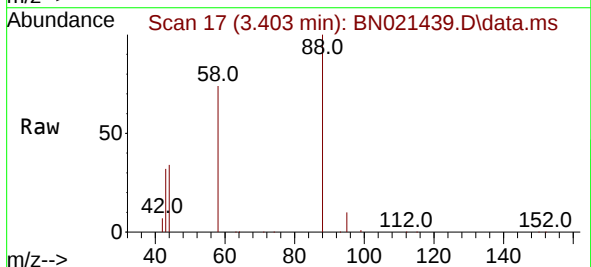


Tgt Ion:152 Resp: 4391  
 Ion Ratio Lower Upper  
 152 100  
 150 156.0 121.4 182.0  
 115 60.7 48.6 72.8



#2  
 1,4-Dioxane  
 Concen: 5.849 ng  
 RT: 3.403 min Scan# 17  
 Delta R.T. -0.007 min  
 Lab File: BN021439.D  
 Acq: 30 Aug 2022 02:59

Tgt Ion: 88 Resp: 32120  
 Ion Ratio Lower Upper  
 88 100  
 43 27.5 35.8 53.8#  
 58 71.4 57.1 85.7

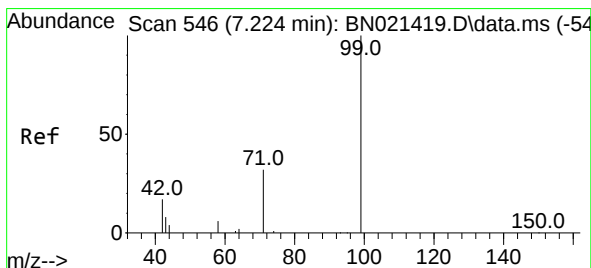
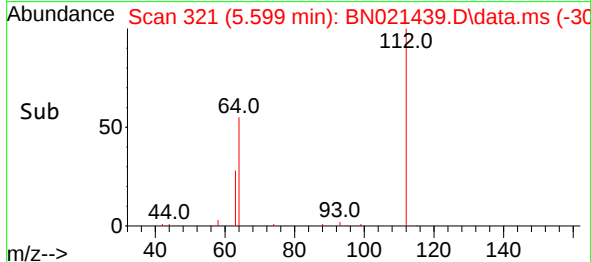
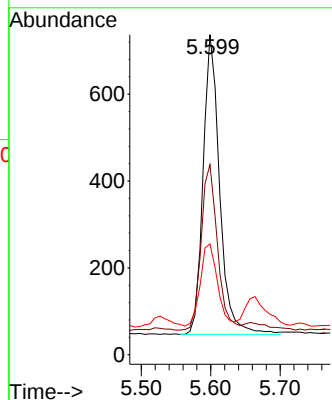
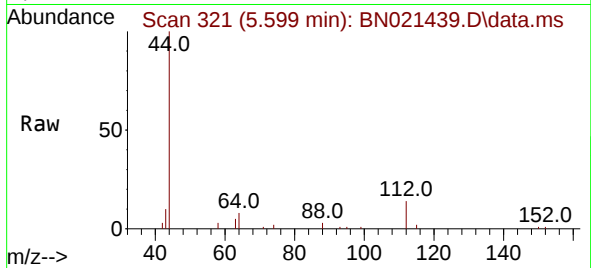




#4  
2-Fluorophenol  
Concen: 0.133 ng  
RT: 5.599 min Scan# 31  
Delta R.T. 0.000 min  
Lab File: BN021439.D  
Acq: 30 Aug 2022 02:59

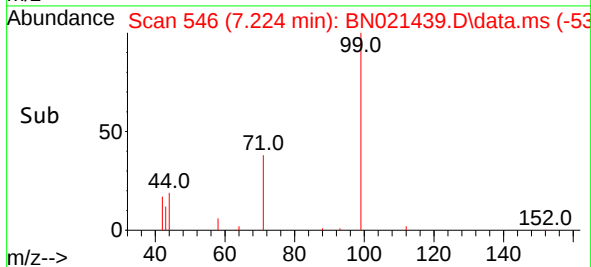
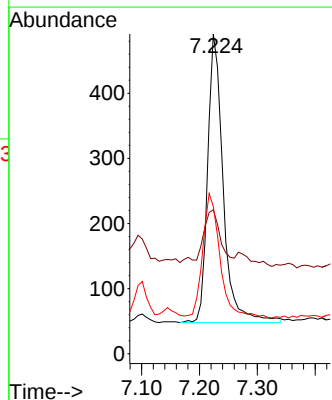
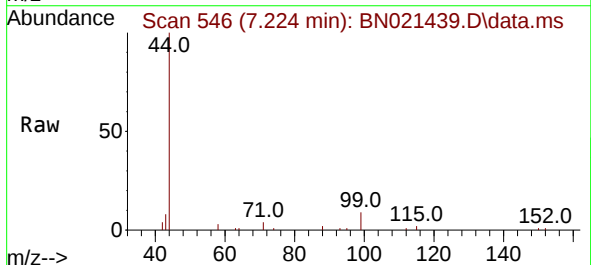
Instrument :  
BNA\_N  
ClientSampleId :  
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Tgt Ion:112 Resp: 1139  
Ion Ratio Lower Upper  
112 100  
64 54.3 43.5 65.3  
63 28.5 22.6 34.0



#5  
Phenol-d6  
Concen: 0.076 ng  
RT: 7.224 min Scan# 546  
Delta R.T. 0.000 min  
Lab File: BN021439.D  
Acq: 30 Aug 2022 02:59

Tgt Ion: 99 Resp: 827  
Ion Ratio Lower Upper  
99 100  
42 21.0 15.5 23.3  
71 48.6 24.2 36.2#

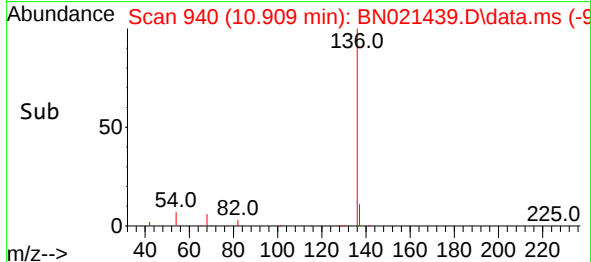
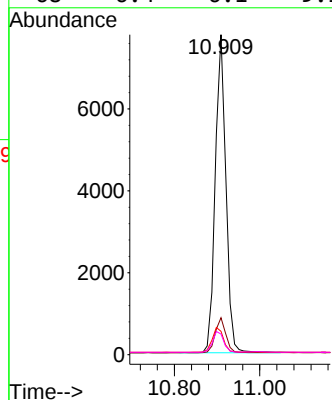
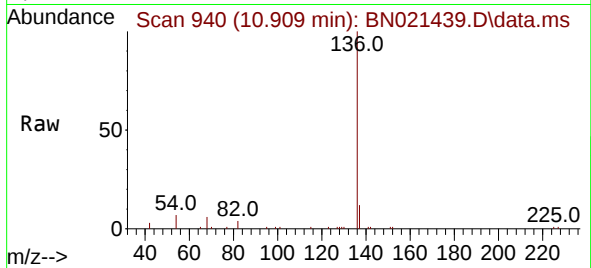




#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.909 min Scan# 94  
Delta R.T. -0.000 min  
Lab File: BN021439.D  
Acq: 30 Aug 2022 02:59

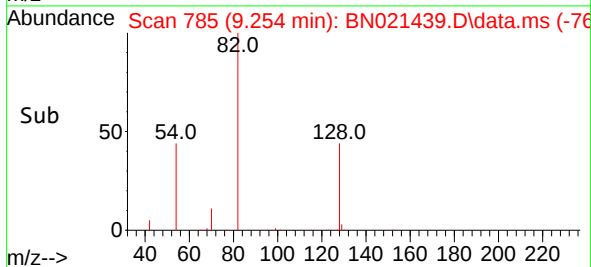
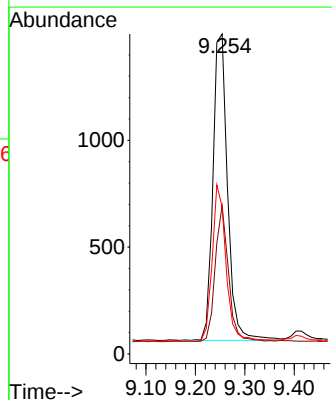
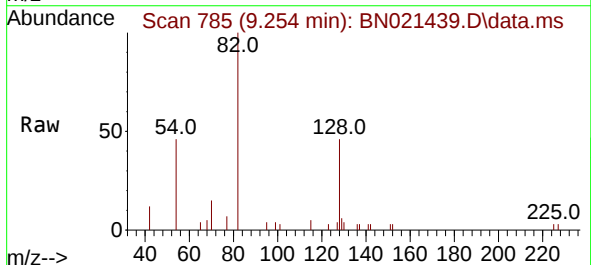
Instrument :  
BNA\_N  
ClientSampleId :  
RE132D4-20220818

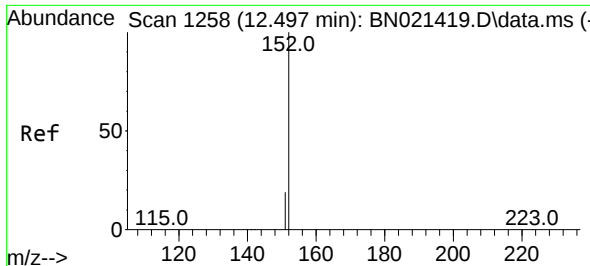
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 136   | Resp: | 13441 |
| Ion Ratio | Lower | Upper |       |
| 136       | 100   |       |       |
| 137       | 11.6  | 9.3   | 13.9  |
| 54        | 7.3   | 6.9   | 10.3  |
| 68        | 6.4   | 6.1   | 9.1   |



#8  
Nitrobenzene-d5  
Concen: 0.324 ng  
RT: 9.254 min Scan# 785  
Delta R.T. 0.000 min  
Lab File: BN021439.D  
Acq: 30 Aug 2022 02:59

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 82    | Resp: | 2943 |
| Ion Ratio | Lower | Upper |      |
| 82        | 100   |       |      |
| 128       | 46.3  | 30.9  | 46.3 |
| 54        | 46.0  | 42.7  | 64.1 |

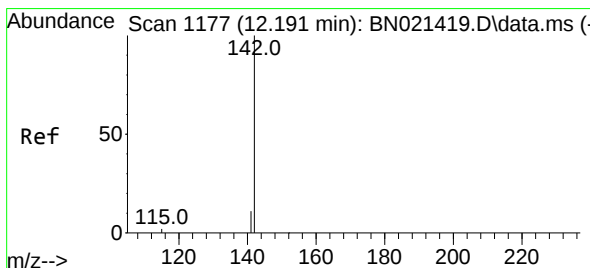
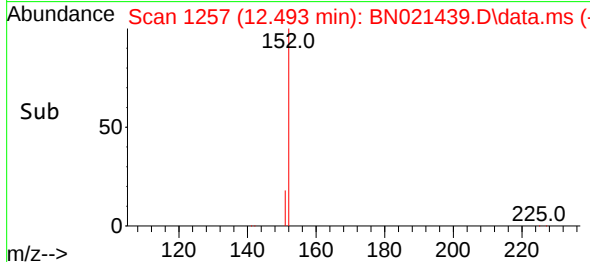
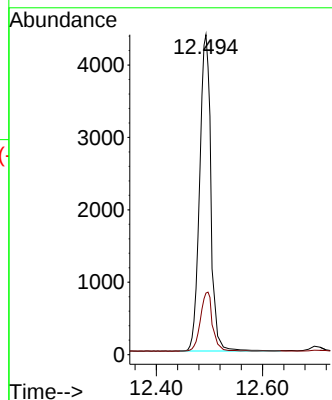
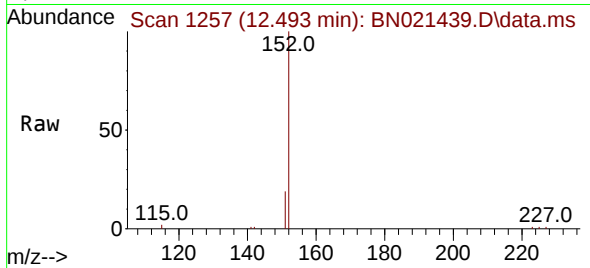




#11  
2-Methylnaphthalene-d10  
Concen: 0.353 ng  
RT: 12.493 min Scan# 1179  
Delta R.T. -0.004 min  
Lab File: BN021439.D  
Acq: 30 Aug 2022 02:59

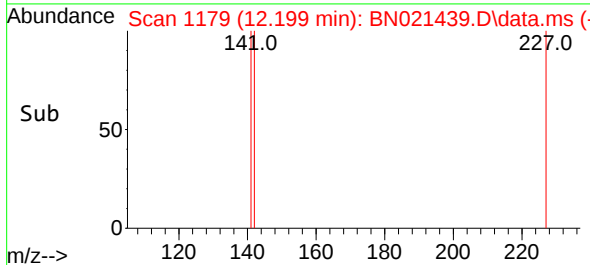
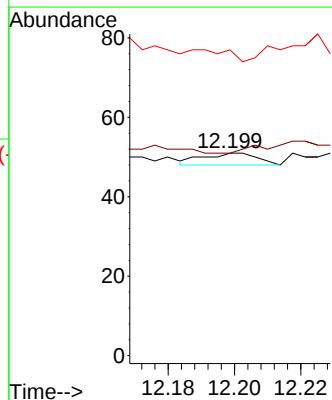
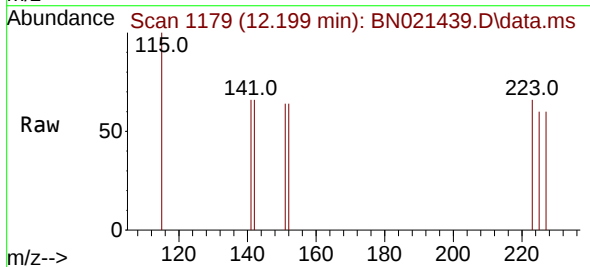
Instrument :  
BNA\_N  
ClientSampleId :  
RE132D4-20220818

Tgt Ion:152 Resp: 10702  
Ion Ratio Lower Upper  
152 100  
151 16.4 14.5 21.7



#12  
2-Methylnaphthalene  
Concen: 0.127 ng  
RT: 12.199 min Scan# 1179  
Delta R.T. 0.008 min  
Lab File: BN021439.D  
Acq: 30 Aug 2022 02:59

Tgt Ion:142 Resp: 3  
Ion Ratio Lower Upper  
142 100  
141 100.0 12.2 18.2#  
115 151.0 7.9 11.9#

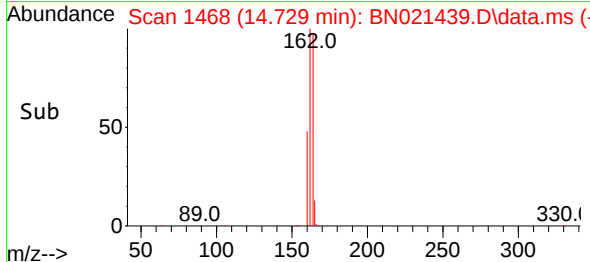
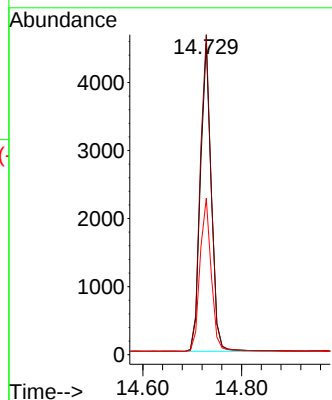
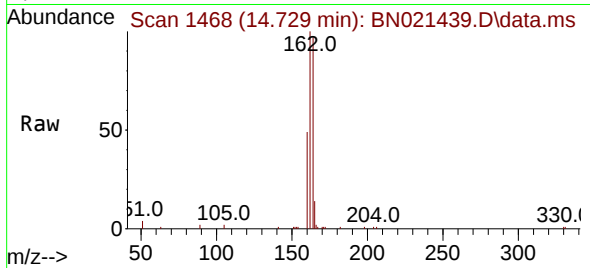




#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.729 min Scan# 1468  
Delta R.T. 0.001 min  
Lab File: BN021439.D  
Acq: 30 Aug 2022 02:59

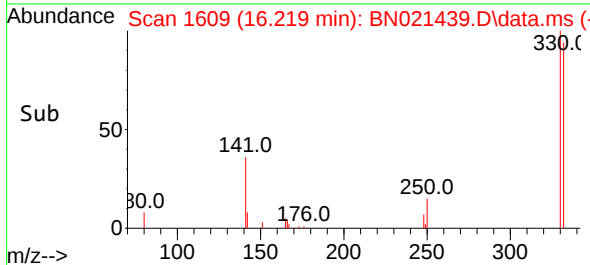
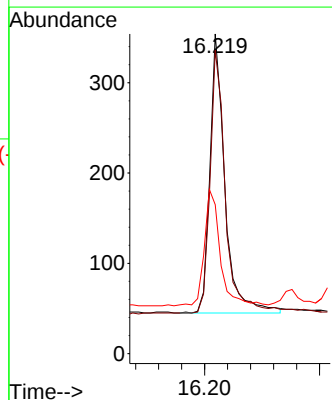
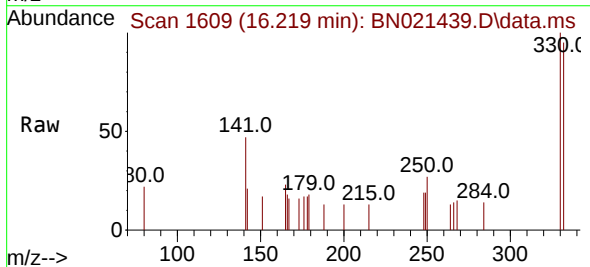
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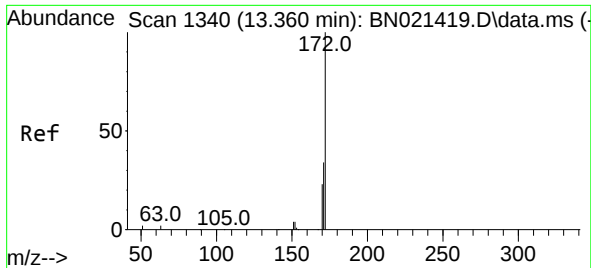
Tgt Ion:164 Resp: 6905  
Ion Ratio Lower Upper  
164 100  
162 102.8 82.2 123.4  
160 50.2 39.5 59.3



#14  
2,4,6-Tribromophenol  
Concen: 0.247 ng  
RT: 16.219 min Scan# 1609  
Delta R.T. 0.001 min  
Lab File: BN021439.D  
Acq: 30 Aug 2022 02:59

Tgt Ion:330 Resp: 560  
Ion Ratio Lower Upper  
330 100  
332 95.5 79.3 118.9  
141 44.1 37.1 55.7

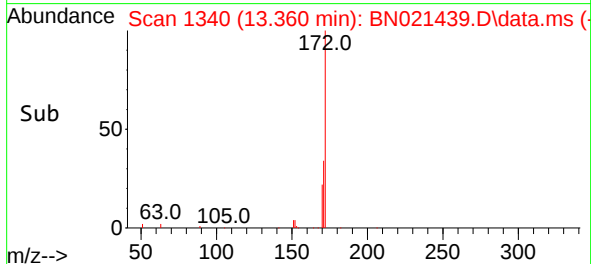
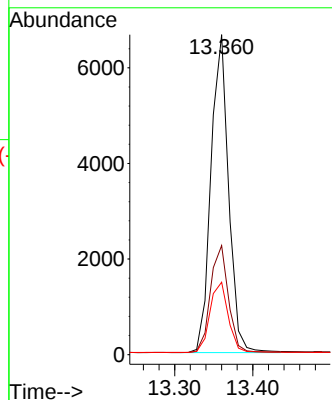
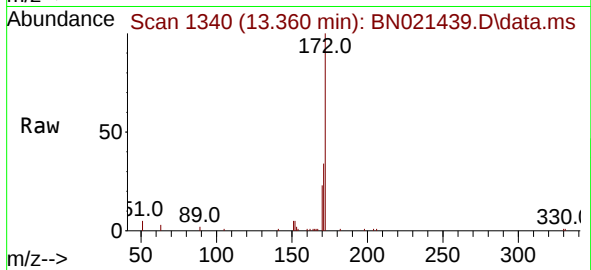




#15  
2-Fluorobiphenyl  
Concen: 0.344 ng  
RT: 13.360 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BN021439.D  
Acq: 30 Aug 2022 02:59

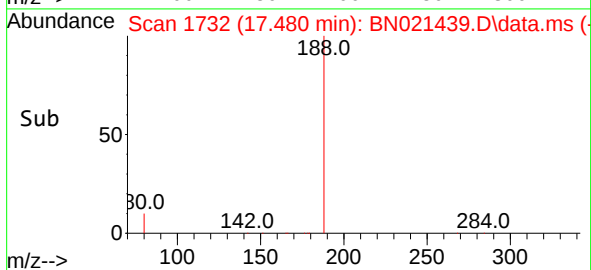
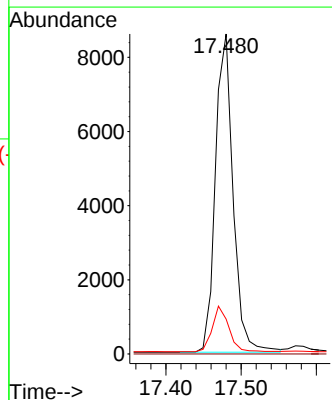
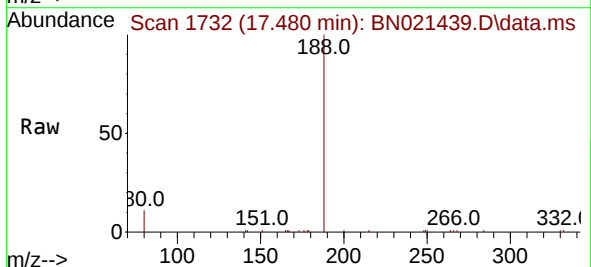
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ClientSampleId :  
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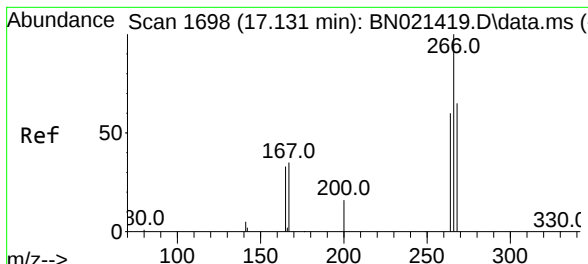
Tgt Ion:172 Resp: 10399  
Ion Ratio Lower Upper  
172 100  
171 34.1 27.8 41.6  
170 22.7 18.6 28.0



#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.480 min Scan# 1732  
Delta R.T. 0.000 min  
Lab File: BN021439.D  
Acq: 30 Aug 2022 02:59

Tgt Ion:188 Resp: 13999  
Ion Ratio Lower Upper  
188 100  
94 0.0 0.0 0.0  
80 10.9 9.5 14.3

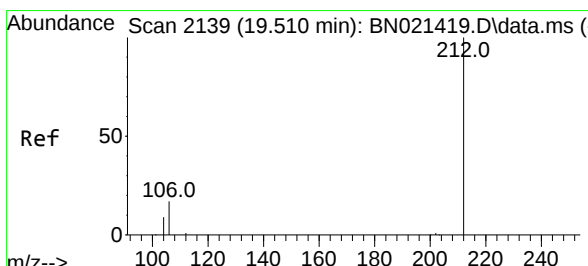
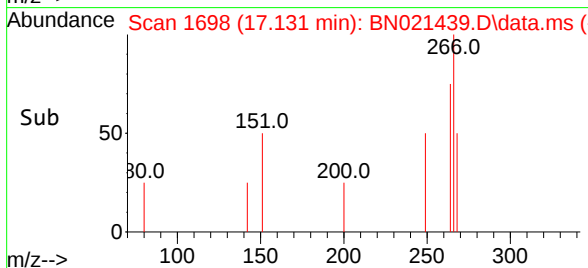
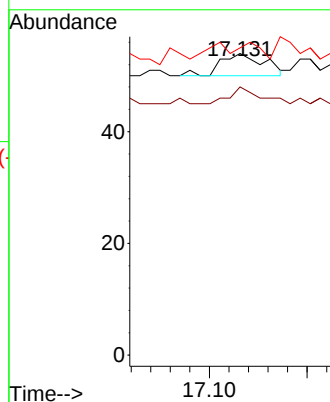
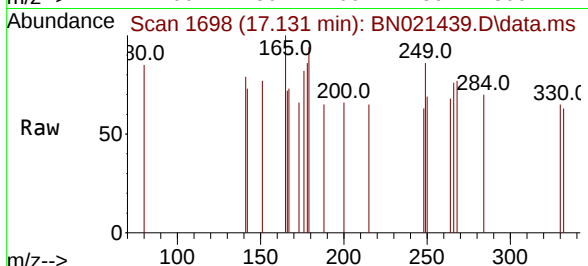




#24  
 Pentachlorophenol  
 Concen: 0.206 ng  
 RT: 17.131 min Scan# 1  
 Delta R.T. 0.000 min  
 Lab File: BN021439.D  
 Acq: 30 Aug 2022 02:59

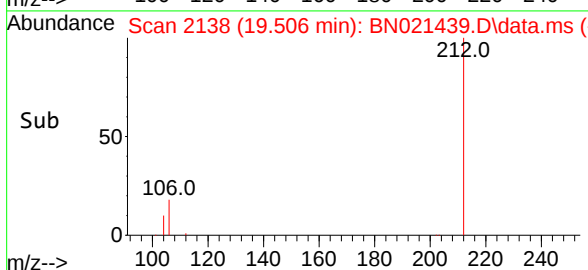
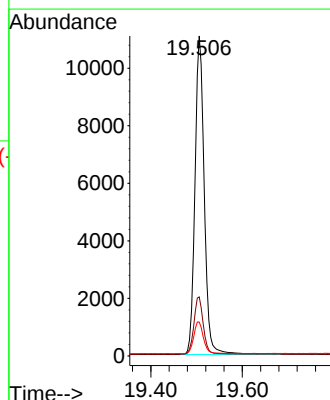
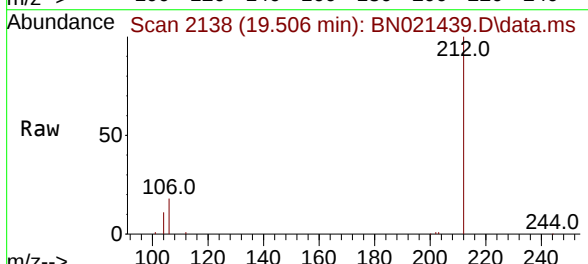
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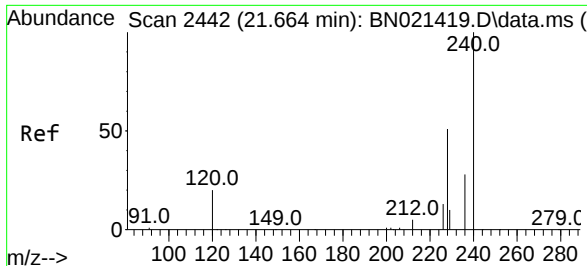
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|-----------|-------|-------|------|
| Tgt Ion:  | 266   | Resp: | 12   |
| Ion Ratio | Lower | Upper |      |
| 266       | 100   |       |      |
| 264       | 50.0  | 49.0  | 73.6 |
| 268       | 33.3  | 50.9  | 76.3 |



#27  
 Fluoranthene-d10  
 Concen: 0.436 ng  
 RT: 19.506 min Scan# 2138  
 Delta R.T. -0.004 min  
 Lab File: BN021439.D  
 Acq: 30 Aug 2022 02:59

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 212   | Resp: | 15708 |
| Ion Ratio | Lower | Upper |       |
| 212       | 100   |       |       |
| 106       | 18.1  | 14.2  | 21.2  |
| 104       | 10.3  | 7.8   | 11.6  |

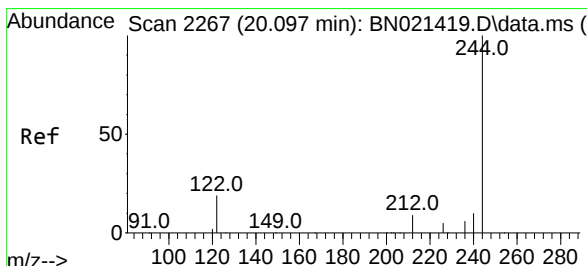
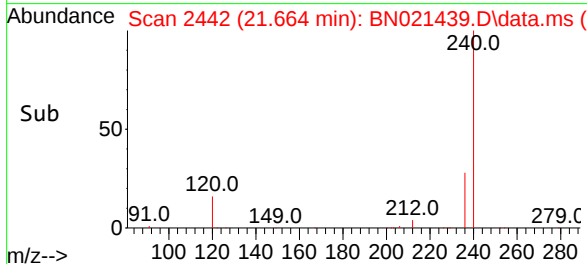
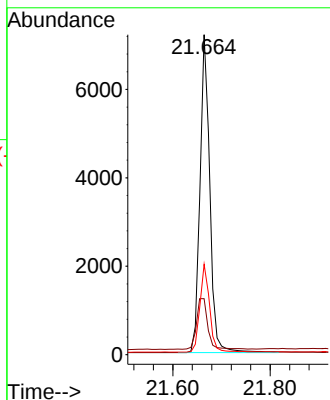
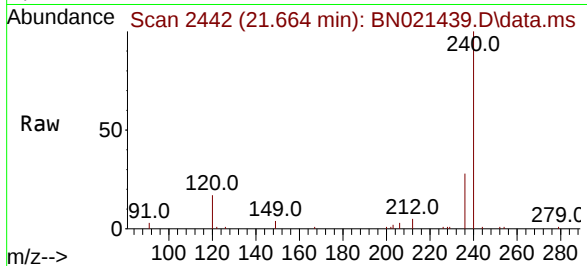




#29  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.664 min Scan# 2442  
Delta R.T. 0.000 min  
Lab File: BN021439.D  
Acq: 30 Aug 2022 02:59

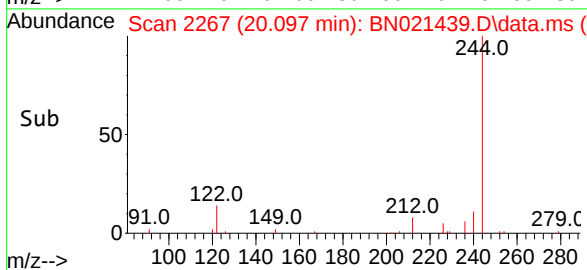
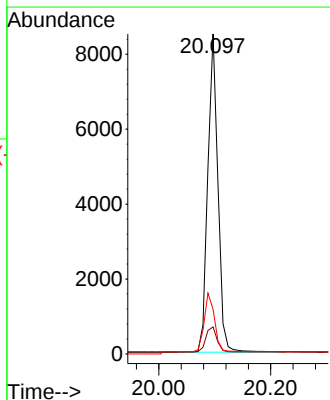
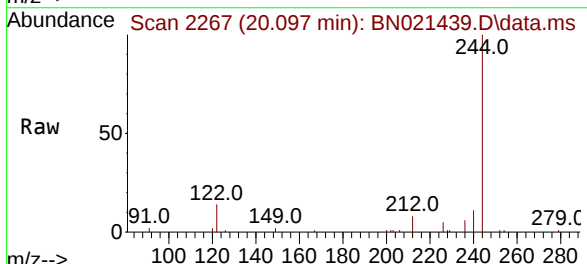
Instrument :  
BNA\_N  
ClientSampleId :  
RE132D4-20220818

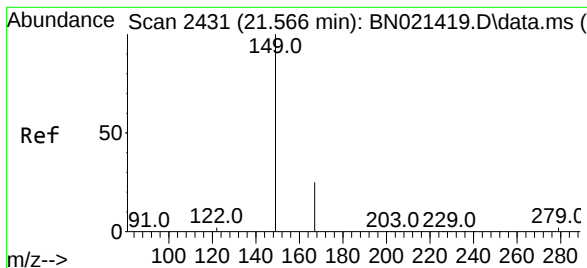
Tgt Ion:240 Resp: 10016  
Ion Ratio Lower Upper  
240 100  
120 17.5 10.2 15.4#  
236 28.3 22.1 33.1



#31  
Terphenyl-d14  
Concen: 0.474 ng  
RT: 20.097 min Scan# 2267  
Delta R.T. 0.000 min  
Lab File: BN021439.D  
Acq: 30 Aug 2022 02:59

Tgt Ion:244 Resp: 10681  
Ion Ratio Lower Upper  
244 100  
212 8.5 6.5 9.7  
122 14.0 9.1 13.7#

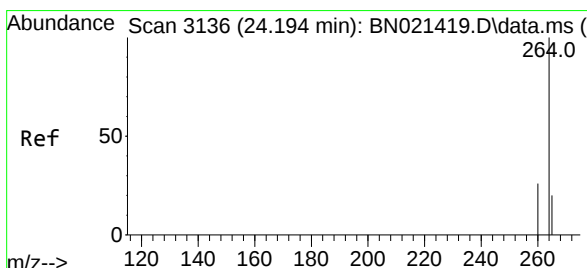
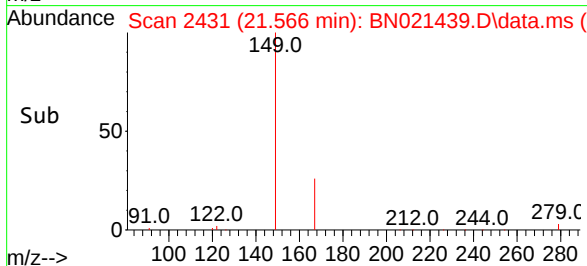
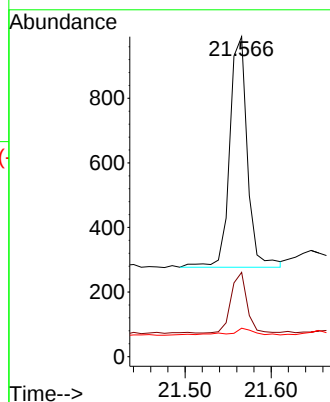
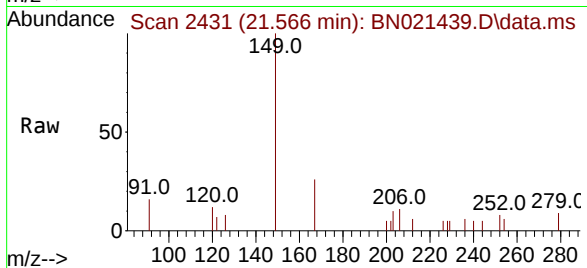




#34  
Bis(2-ethylhexyl)phthalate  
Concen: 0.073 ng  
RT: 21.566 min Scan# 2431  
Delta R.T. 0.000 min  
Lab File: BN021439.D  
Acq: 30 Aug 2022 02:59

Instrument :  
BNA\_N  
ClientSampleId :  
RE132D4-20220818

Tgt Ion:149 Resp: 1019  
Ion Ratio Lower Upper  
149 100  
167 23.7 21.4 32.0  
279 3.7 2.2 3.2#



#35  
Perylene-d12  
Concen: 0.400 ng  
RT: 24.188 min Scan# 3134  
Delta R.T. -0.006 min  
Lab File: BN021439.D  
Acq: 30 Aug 2022 02:59

Tgt Ion:264 Resp: 6055  
Ion Ratio Lower Upper  
264 100  
260 26.0 21.0 31.6  
265 42.6 32.2 48.2

