

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN033121\  
 Data File : BN014153.D  
 Acq On : 31 Mar 2021 21:17  
 Operator : CG/JU  
 Sample : M1842-11  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 RE109D2-20210323

Quant Time: Apr 01 01:25:23 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\8270-SIM-BN032621.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Mar 31 12:15:38 2021  
 Response via : Initial Calibration

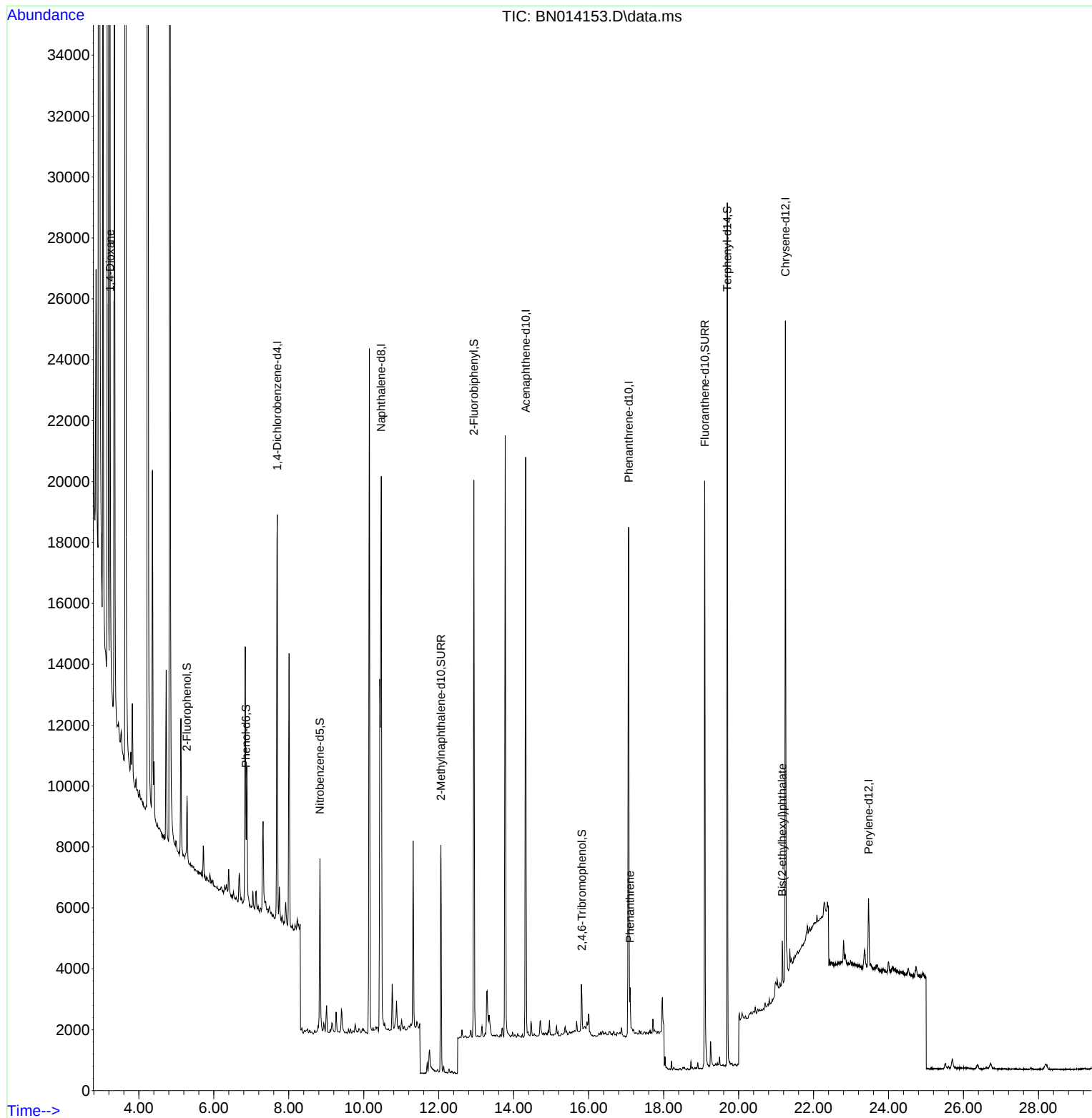
| Compound                      | R.T.   | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|------|----------|------|-------|----------|
| -----                         |        |      |          |      |       |          |
| Internal Standards            |        |      |          |      |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.692  | 152  | 6317     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.467 | 136  | 23942    | 0.40 | ng    | # 0.00   |
| 13) Acenaphthene-d10          | 14.321 | 164  | 10591    | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10          | 17.067 | 188  | 24950    | 0.40 | ng    | 0.00     |
| 29) Chrysene-d12              | 21.250 | 240  | 19738    | 0.40 | ng    | 0.00     |
| 36) Perylene-d12              | 23.468 | 264  | 3037     | 0.40 | ng    | # 0.00   |
|                               |        |      |          |      |       |          |
| System Monitoring Compounds   |        |      |          |      |       |          |
| 4) 2-Fluorophenol             | 5.284  | 112  | 1582     | 0.10 | ng    | 0.00     |
| 5) Phenol-d6                  | 6.854  | 99   | 1101     | 0.05 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 8.832  | 82   | 4486     | 0.28 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10   | 12.057 | 152  | 10109    | 0.28 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 15.818 | 330  | 1172     | 0.34 | ng    | 0.01     |
| 15) 2-Fluorobiphenyl          | 12.938 | 172  | 15186    | 0.38 | ng    | 0.00     |
| 27) Fluoranthene-d10          | 19.099 | 212  | 22245    | 0.34 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.699 | 244  | 28458    | 0.63 | ng    | 0.00     |
|                               |        |      |          |      |       |          |
| Target Compounds              |        |      |          |      |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.230  | 88   | 16634    | 2.05 | ng    | # 93     |
| 25) Phenanthrene              | 17.104 | 178  | 1462     | 0.02 | ng    | # 93     |
| 34) Bis(2-ethylhexyl)phtha... | 21.165 | 149  | 1556     | 0.09 | ng    | # 93     |
| -----                         |        |      |          |      |       |          |

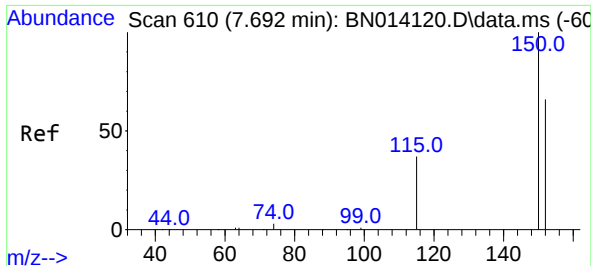
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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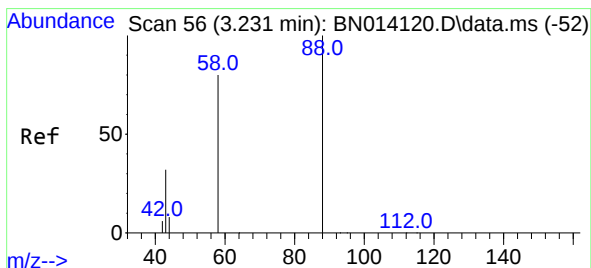
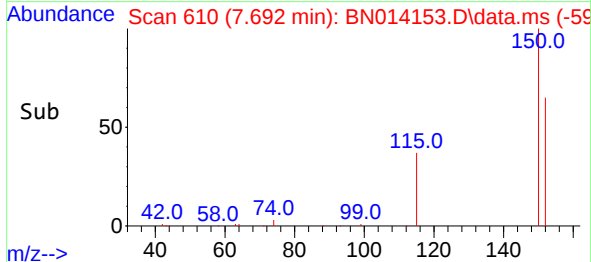
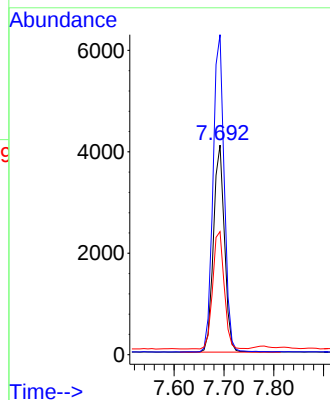
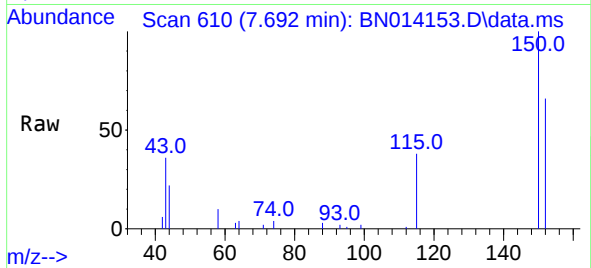




#1  
1,4-Dichlorobenzene-d4  
Concen: 0.40 ng  
RT: 7.692 min Scan# 610  
Delta R.T. 0.008 min  
Lab File: BN014153.D  
Acq: 31 Mar 2021 21:17

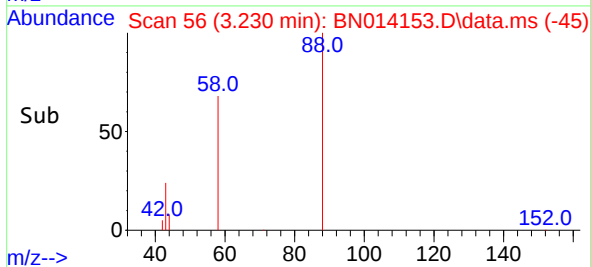
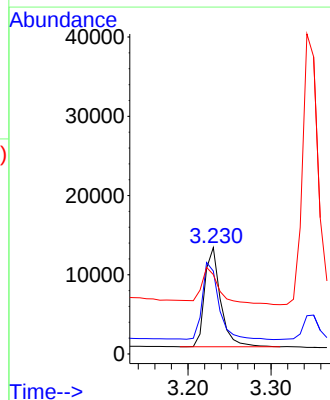
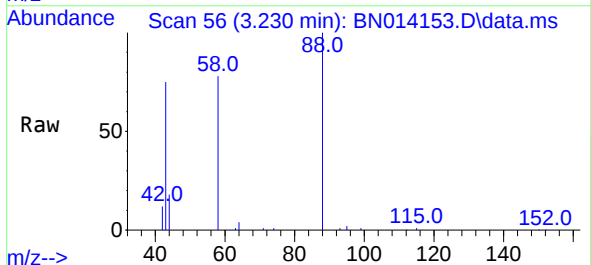
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BNA\_N  
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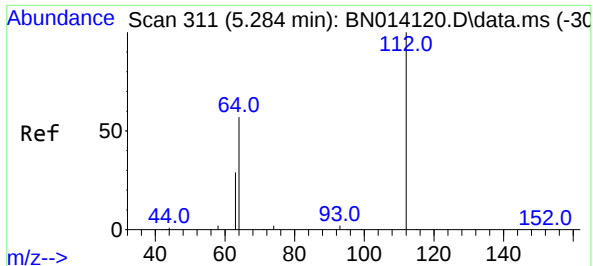
Tgt Ion:152 Resp: 6317  
Ion Ratio Lower Upper  
152 100  
150 152.6 121.2 181.8  
115 58.7 46.2 69.2



#2  
1,4-Dioxane  
Concen: 2.05 ng  
RT: 3.230 min Scan# 56  
Delta R.T. -0.008 min  
Lab File: BN014153.D  
Acq: 31 Mar 2021 21:17

Tgt Ion: 88 Resp: 16634  
Ion Ratio Lower Upper  
88 100  
58 80.3 63.1 94.7  
43 43.1 26.2 39.2#



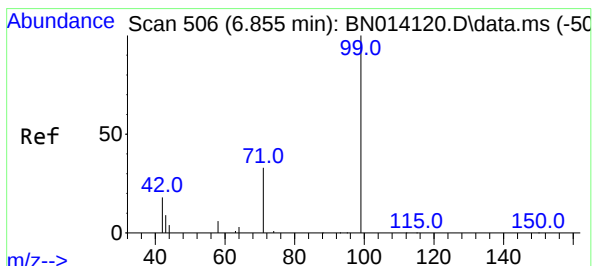
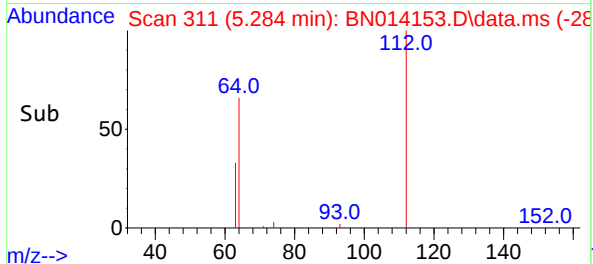
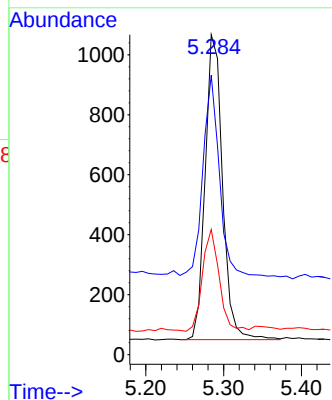
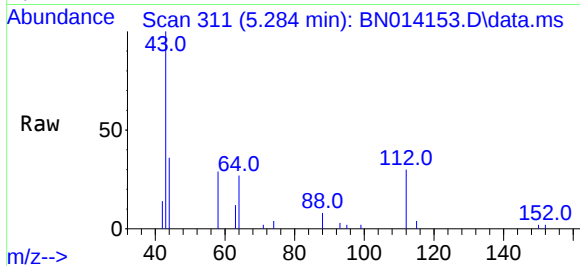


#4  
2-Fluorophenol  
Concen: 0.10 ng  
RT: 5.284 min Scan# 311  
Delta R.T. -0.000 min  
Lab File: BN014153.D  
Acq: 31 Mar 2021 21:17

Instrument :  
BNA\_N  
ClientSampleId :  
RE109D2-20210323

Tgt Ion: 112 Resp: 1582

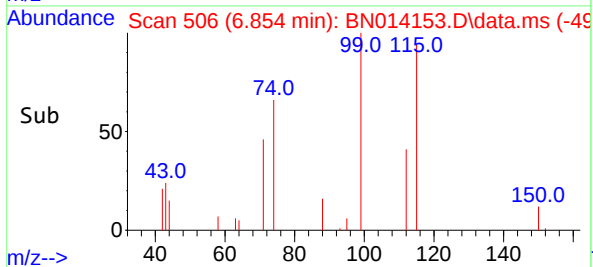
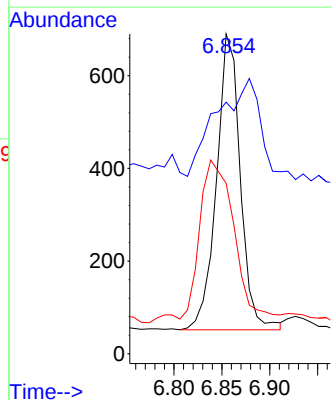
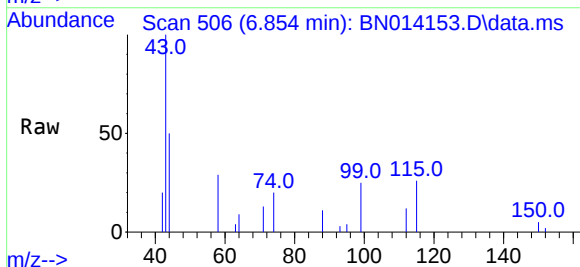
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 112 | 100   |       |       |
| 64  | 66.1  | 48.3  | 72.5  |
| 63  | 31.8  | 25.4  | 38.0  |

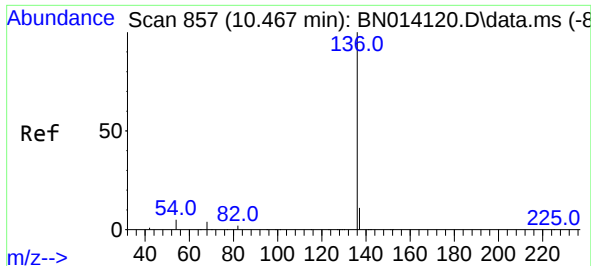


#5  
Phenol-d6  
Concen: 0.05 ng  
RT: 6.854 min Scan# 506  
Delta R.T. -0.000 min  
Lab File: BN014153.D  
Acq: 31 Mar 2021 21:17

Tgt Ion: 99 Resp: 1101

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 0.0   | 18.2  | 27.4# |
| 71  | 75.6  | 26.7  | 40.1# |

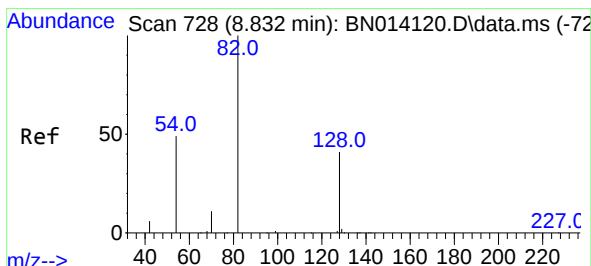
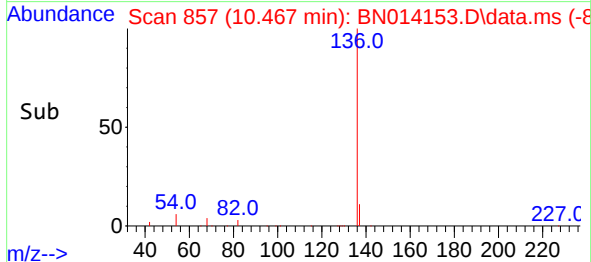
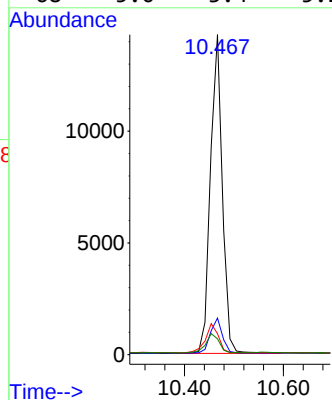
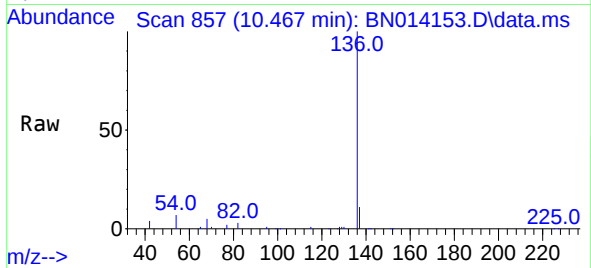




#7  
Naphthalene-d8  
Concen: 0.40 ng  
RT: 10.467 min Scan# 857  
Delta R.T. -0.000 min  
Lab File: BN014153.D  
Acq: 31 Mar 2021 21:17

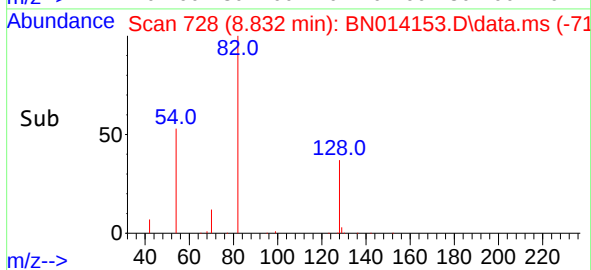
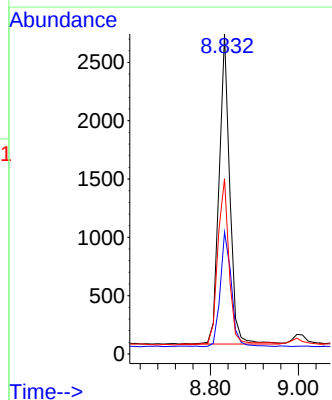
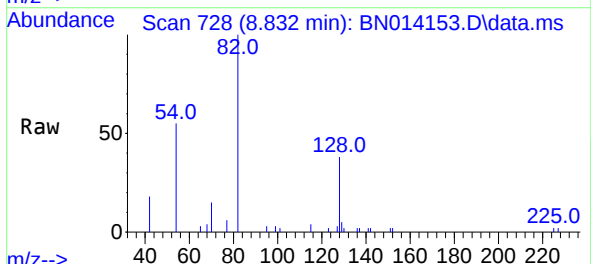
Instrument :  
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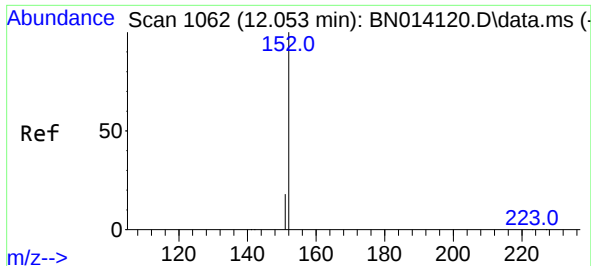
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 136   | Resp: | 23942 |
| Ion      | Ratio | Lower | Upper |
| 136      | 100   |       |       |
| 137      | 11.4  | 9.1   | 13.7  |
| 54       | 6.5   | 4.3   | 6.5#  |
| 68       | 5.0   | 3.4   | 5.2   |



#8  
Nitrobenzene-d5  
Concen: 0.28 ng  
RT: 8.832 min Scan# 728  
Delta R.T. -0.000 min  
Lab File: BN014153.D  
Acq: 31 Mar 2021 21:17

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 82    | Resp: | 4486  |
| Ion      | Ratio | Lower | Upper |
| 82       | 100   |       |       |
| 128      | 38.1  | 33.5  | 50.3  |
| 54       | 54.8  | 40.3  | 60.5  |

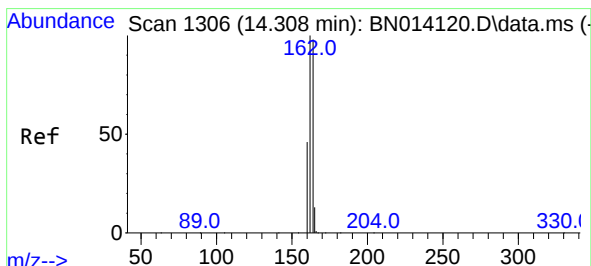
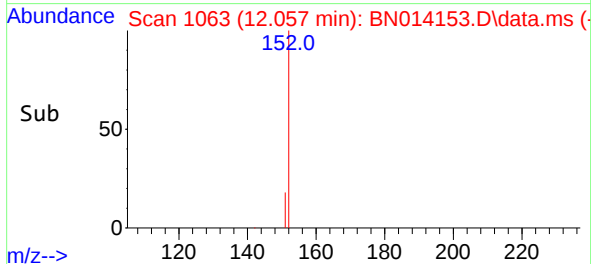
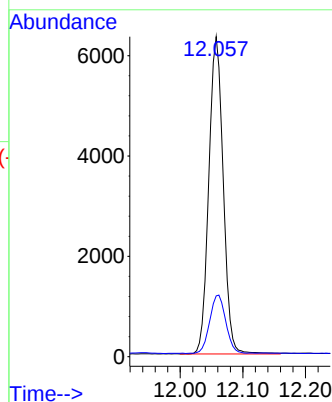
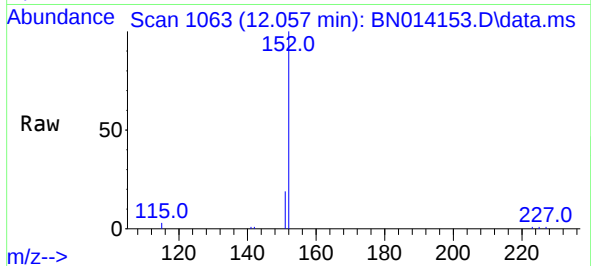




#11  
2-Methylnaphthalene-d10  
Concen: 0.28 ng  
RT: 12.057 min Scan# 1063  
Delta R.T. 0.004 min  
Lab File: BN014153.D  
Acq: 31 Mar 2021 21:17

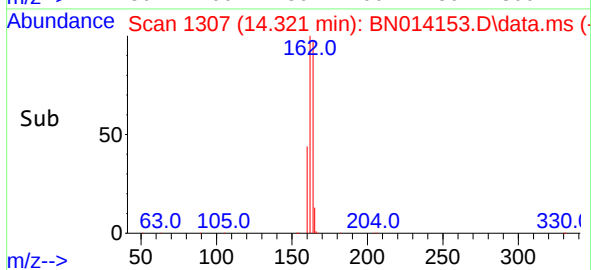
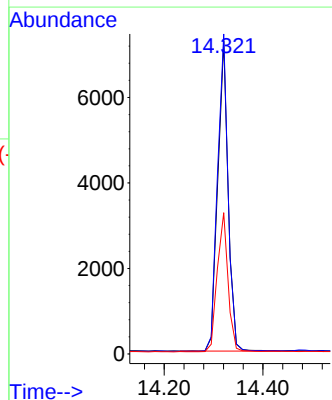
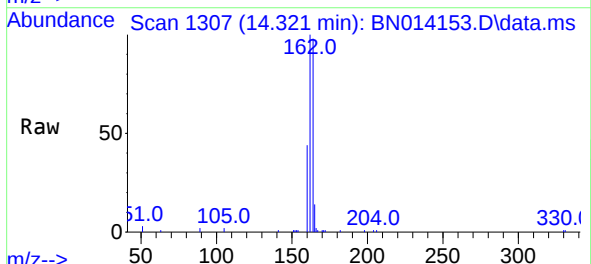
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ClientSampleId :  
RE109D2-20210323

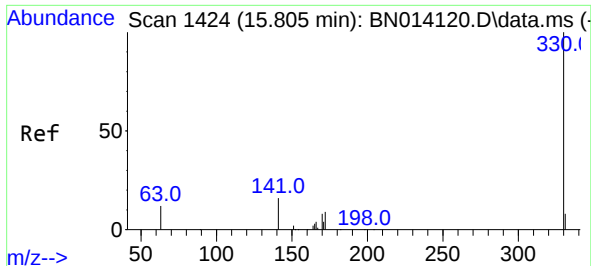
Tgt Ion:152 Resp: 10109  
Ion Ratio Lower Upper  
152 100  
151 20.5 16.1 24.1



#13  
Acenaphthene-d10  
Concen: 0.40 ng  
RT: 14.321 min Scan# 1307  
Delta R.T. -0.000 min  
Lab File: BN014153.D  
Acq: 31 Mar 2021 21:17

Tgt Ion:164 Resp: 10591  
Ion Ratio Lower Upper  
164 100  
162 102.3 81.4 122.2  
160 45.2 37.5 56.3

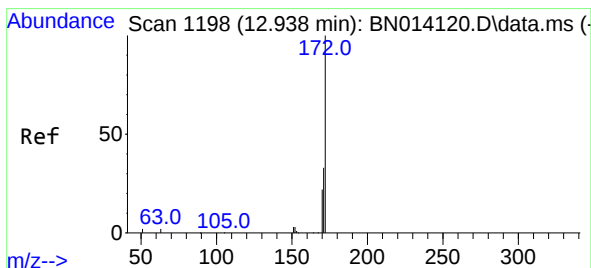
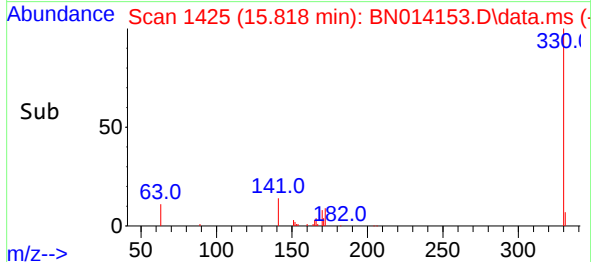
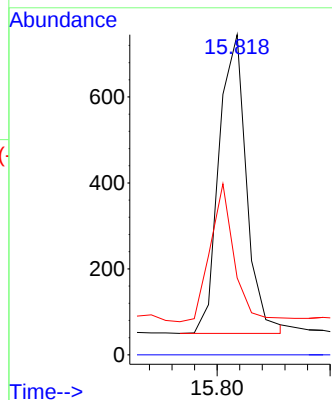
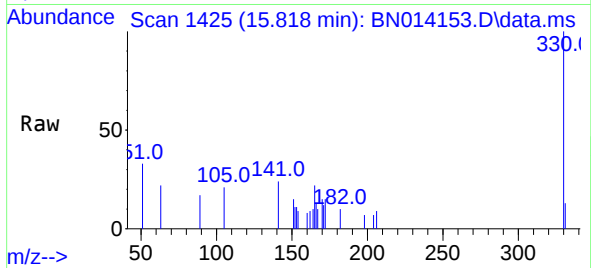




#14  
2,4,6-Tribromophenol  
Concen: 0.34 ng  
RT: 15.818 min Scan# 1425  
Delta R.T. 0.012 min  
Lab File: BN014153.D  
Acq: 31 Mar 2021 21:17

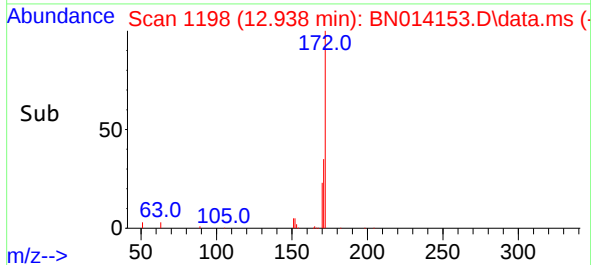
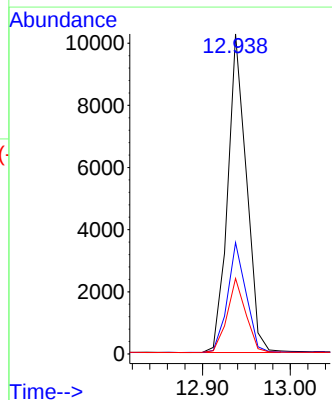
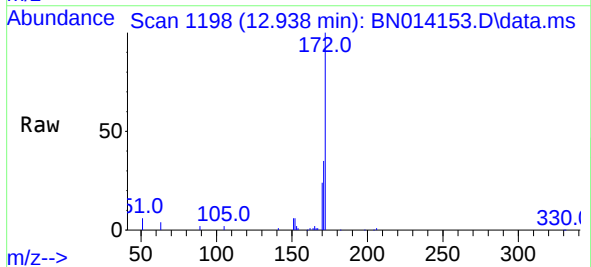
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ClientSampleId :  
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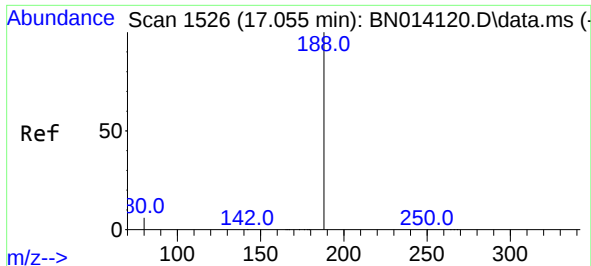
Tgt Ion:330 Resp: 1172  
Ion Ratio Lower Upper  
330 100  
332 0.0 0.0 0.0  
141 40.5 31.2 46.8



#15  
2-Fluorobiphenyl  
Concen: 0.38 ng  
RT: 12.938 min Scan# 1198  
Delta R.T. -0.000 min  
Lab File: BN014153.D  
Acq: 31 Mar 2021 21:17

Tgt Ion:172 Resp: 15186  
Ion Ratio Lower Upper  
172 100  
171 34.8 26.9 40.3  
170 23.6 17.8 26.8

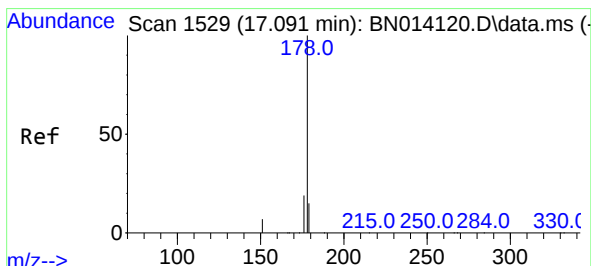
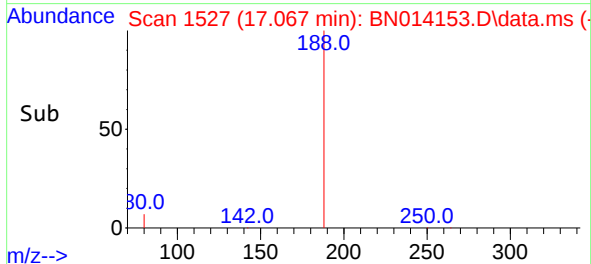
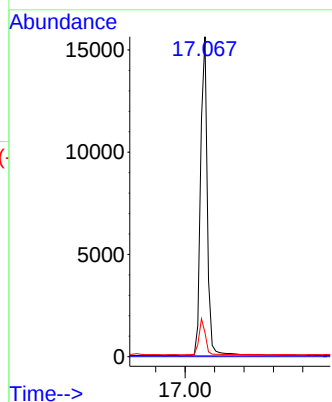
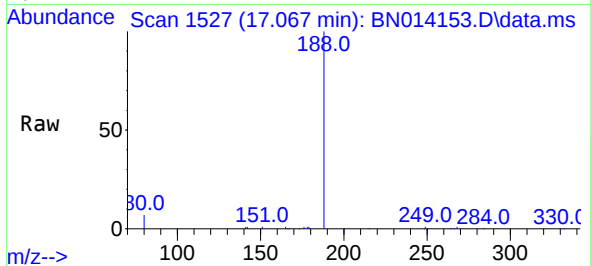




#19  
Phenanthrene-d10  
Concen: 0.40 ng  
RT: 17.067 min Scan# 1527  
Delta R.T. 0.000 min  
Lab File: BN014153.D  
Acq: 31 Mar 2021 21:17

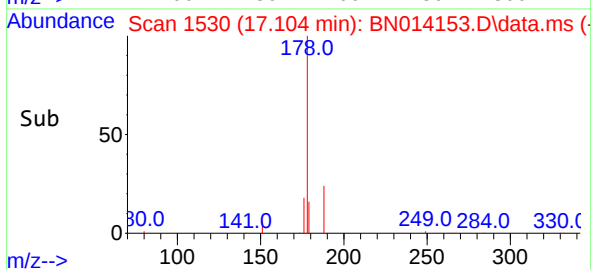
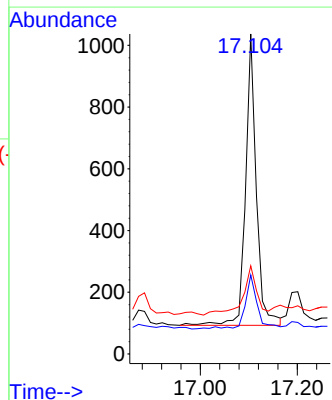
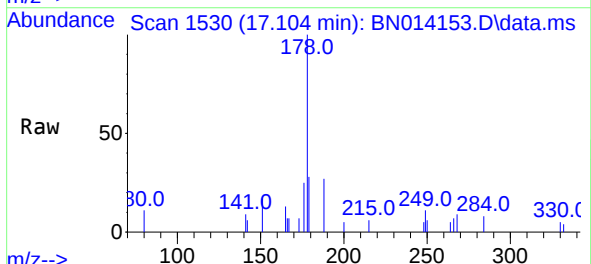
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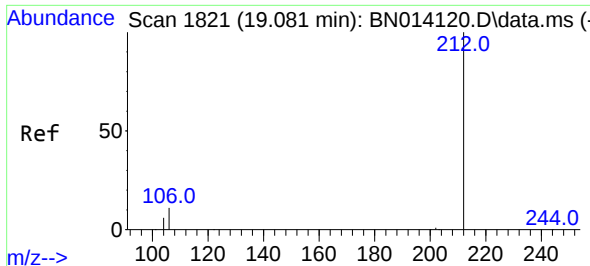
Tgt Ion:188 Resp: 24950  
Ion Ratio Lower Upper  
188 100  
94 0.0 0.0 0.0  
80 7.4 5.2 7.8



#25  
Phenanthrene  
Concen: 0.02 ng  
RT: 17.104 min Scan# 1530  
Delta R.T. 0.000 min  
Lab File: BN014153.D  
Acq: 31 Mar 2021 21:17

Tgt Ion:178 Resp: 1462  
Ion Ratio Lower Upper  
178 100  
176 19.1 15.0 22.6  
179 22.1 12.4 18.6#

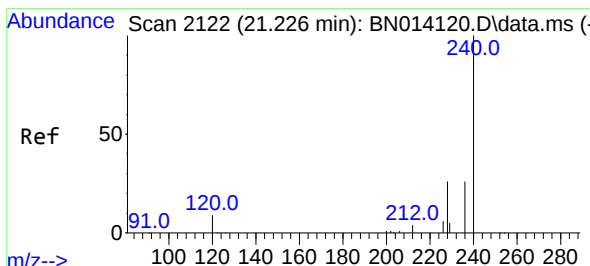
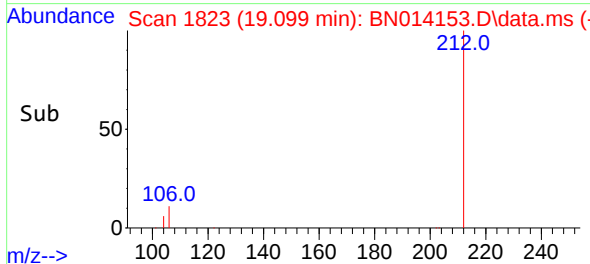
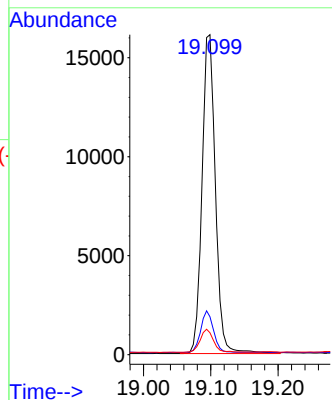
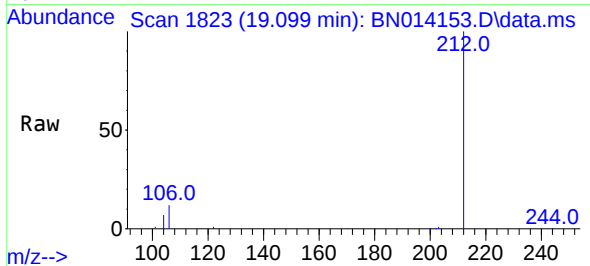




#27  
Fluoranthene-d10  
Concen: 0.34 ng  
RT: 19.099 min Scan# 1823  
Delta R.T. 0.002 min  
Lab File: BN014153.D  
Acq: 31 Mar 2021 21:17

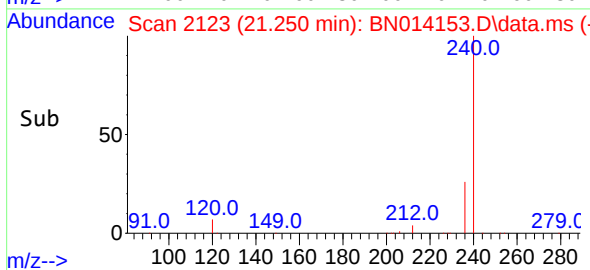
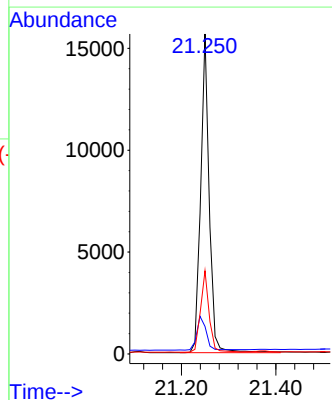
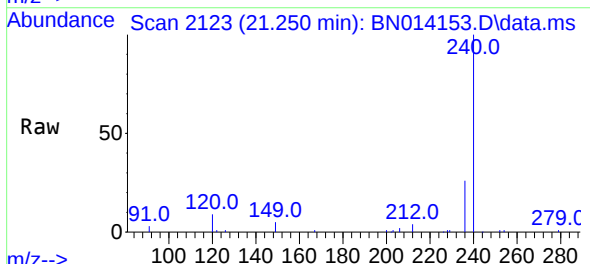
Instrument :  
BNA\_N  
ClientSampleId :  
RE109D2-20210323

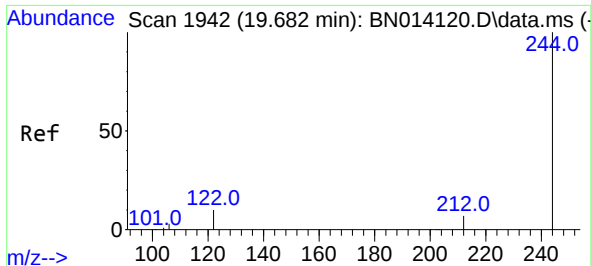
Tgt Ion:212 Resp: 22245  
Ion Ratio Lower Upper  
212 100  
106 12.4 10.1 15.1  
104 7.3 5.5 8.3



#29  
Chrysene-d12  
Concen: 0.40 ng  
RT: 21.250 min Scan# 2123  
Delta R.T. 0.002 min  
Lab File: BN014153.D  
Acq: 31 Mar 2021 21:17

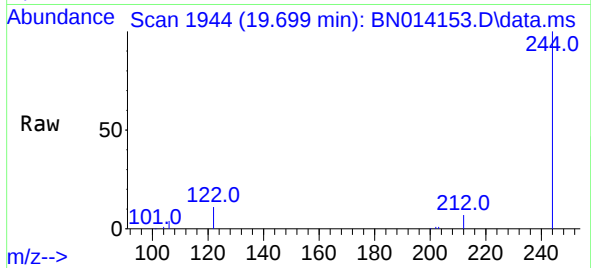
Tgt Ion:240 Resp: 19738  
Ion Ratio Lower Upper  
240 100  
120 8.6 8.4 12.6  
236 26.0 21.0 31.6



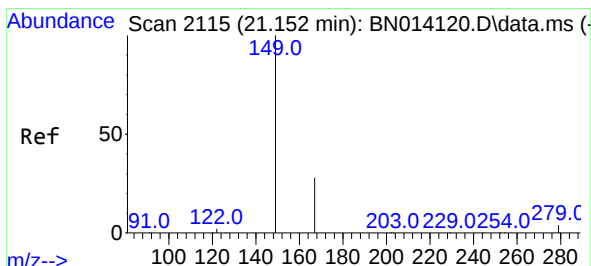
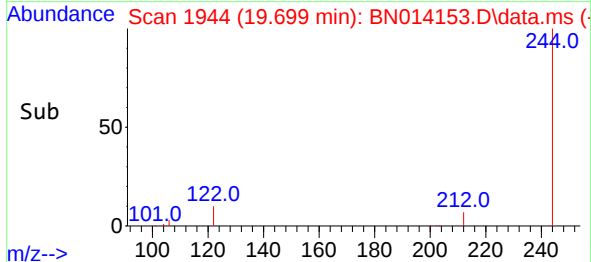
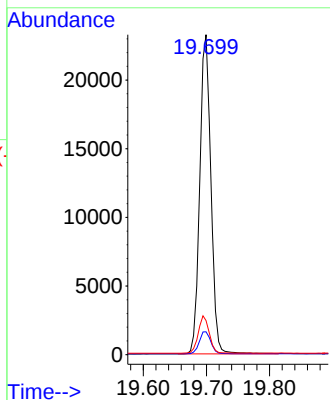


#31  
 Terphenyl-d14  
 Concen: 0.63 ng  
 RT: 19.699 min Scan# 1944  
 Delta R.T. 0.002 min  
 Lab File: BN014153.D  
 Acq: 31 Mar 2021 21:17

Instrument :  
 BNA\_N  
 ClientSampleId :  
 RE109D2-20210323

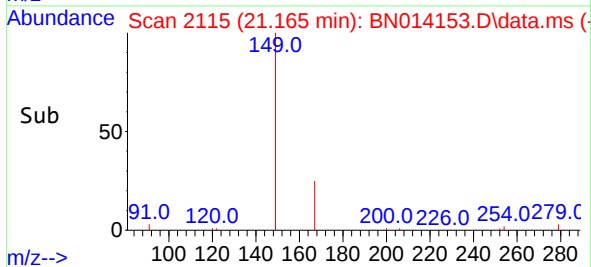
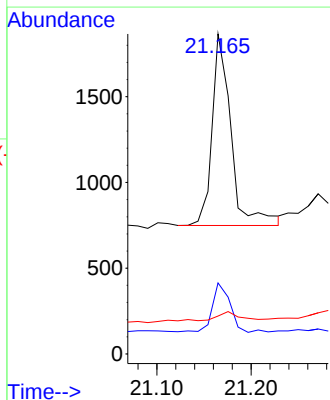
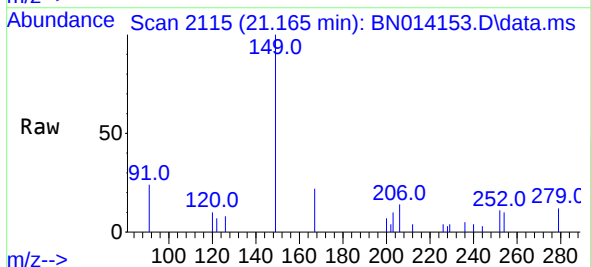


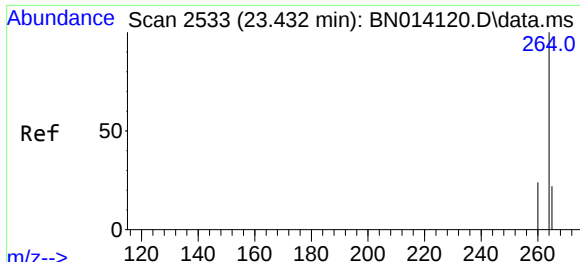
Tgt Ion:244 Resp: 28458  
 Ion Ratio Lower Upper  
 244 100  
 212 7.1 6.0 9.0  
 122 10.7 8.6 13.0



#34  
 Bis(2-ethylhexyl)phthalate  
 Concen: 0.09 ng  
 RT: 21.165 min Scan# 2115  
 Delta R.T. -0.008 min  
 Lab File: BN014153.D  
 Acq: 31 Mar 2021 21:17

Tgt Ion:149 Resp: 1556  
 Ion Ratio Lower Upper  
 149 100  
 167 23.5 21.4 32.2  
 279 7.6 3.5 5.3#





#36  
 Perylene-d12  
 Concen: 0.40 ng  
 RT: 23.468 min Scan# 2542  
 Delta R.T. 0.002 min  
 Lab File: BN014153.D  
 Acq: 31 Mar 2021 21:17

**Instrument :**  
 BNA\_N  
**ClientSampleId :**  
 RE109D2-20210323

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 264   | Resp: | 3037  |
| Ion Ratio | Lower | Upper |       |
| 264       | 100   |       |       |
| 260       | 30.4  | 19.8  | 29.8# |
| 265       | 126.7 | 30.7  | 46.1# |

