

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN110920\  
 Data File : BN012516.D  
 Acq On : 09 Nov 2020 16:57  
 Operator : CG/JU  
 Sample : L4627-05  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 BP-VPB178-GW-198-200

Quant Time: Nov 09 17:41:02 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\8270-SIM-BN110420.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Nov 05 05:46:47 2020  
 Response via : Initial Calibration

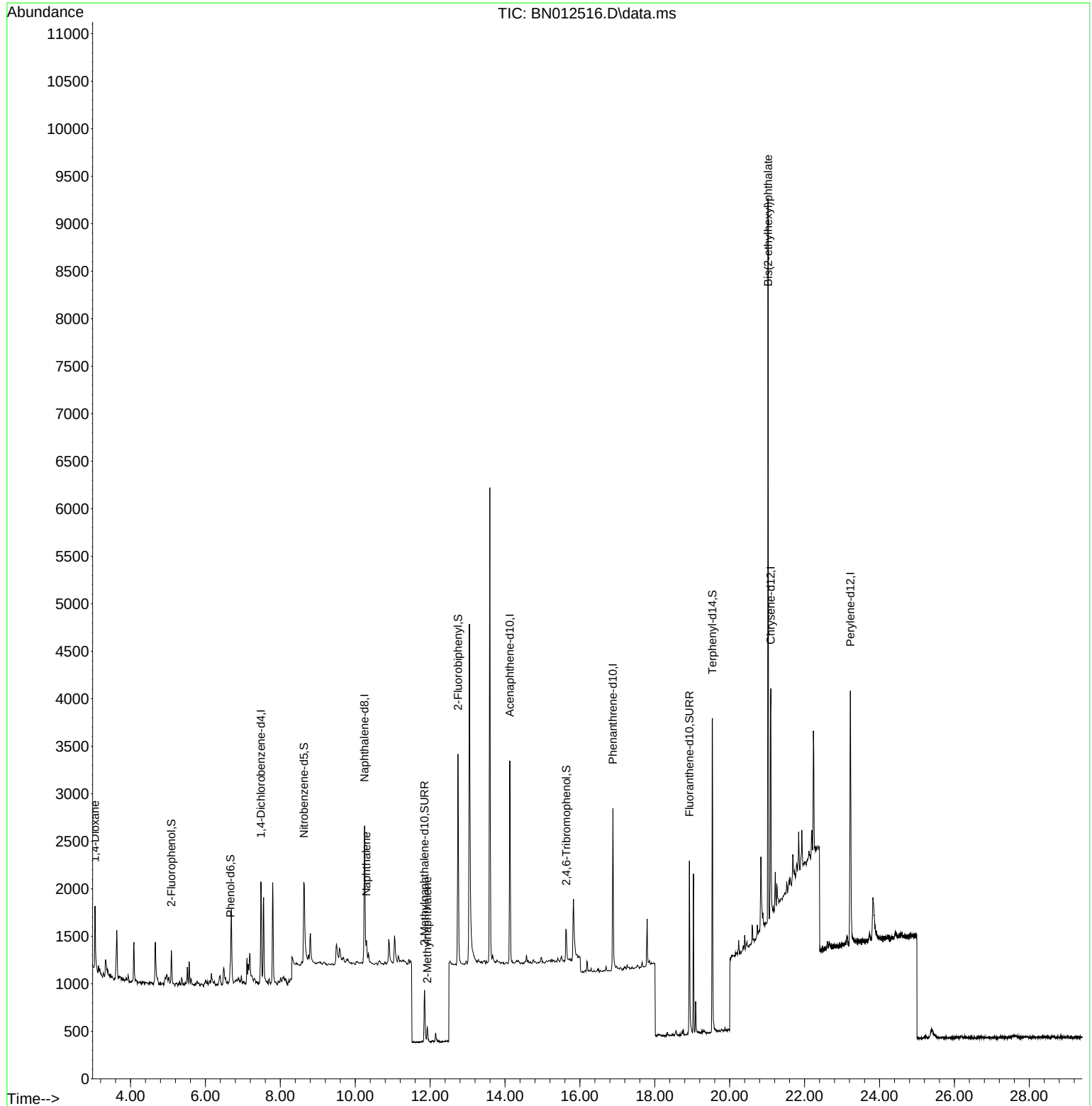
| Compound                      | R.T.   | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|------|----------|------|-------|----------|
| -----                         |        |      |          |      |       |          |
| Internal Standards            |        |      |          |      |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.482  | 152  | 492      | 0.40 | ng    | # 0.00   |
| 7) Naphthalene-d8             | 10.250 | 136  | 1999     | 0.40 | ng    | # 0.00   |
| 13) Acenaphthene-d10          | 14.128 | 164  | 1159     | 0.40 | ng    | -0.01    |
| 19) Phenanthrene-d10          | 16.883 | 188  | 2396     | 0.40 | ng    | # 0.00   |
| 29) Chrysene-d12              | 21.099 | 240  | 2777     | 0.40 | ng    | # 0.00   |
| 36) Perylene-d12              | 23.224 | 264  | 3511     | 0.40 | ng    | 0.00     |
|                               |        |      |          |      |       |          |
| System Monitoring Compounds   |        |      |          |      |       |          |
| 4) 2-Fluorophenol             | 5.090  | 112  | 203      | 0.12 | ng    | 0.00     |
| 5) Phenol-d6                  | 6.668  | 99   | 146      | 0.07 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 8.628  | 82   | 988      | 0.42 | ng    | -0.01    |
| 11) 2-Methylnaphthalene-d10   | 11.851 | 152  | 871      | 0.27 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 15.638 | 330  | 286      | 0.34 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl          | 12.746 | 172  | 1870     | 0.41 | ng    | -0.01    |
| 27) Fluoranthene-d10          | 18.923 | 212  | 2283     | 0.31 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.539 | 244  | 3532     | 0.53 | ng    | 0.00     |
|                               |        |      |          |      |       |          |
| Target Compounds              |        |      |          |      |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.052  | 88   | 340      | 0.44 | ng    | # 70     |
| 9) Naphthalene                | 10.301 | 128  | 182      | 0.03 | ng    | # 37     |
| 12) 2-Methylnaphthalene       | 11.926 | 142  | 116      | 0.03 | ng    | # 81     |
| 34) Bis(2-ethylhexyl)phtha... | 21.025 | 149  | 6228     | 1.04 | ng    | # 90     |
| -----                         |        |      |          |      |       |          |

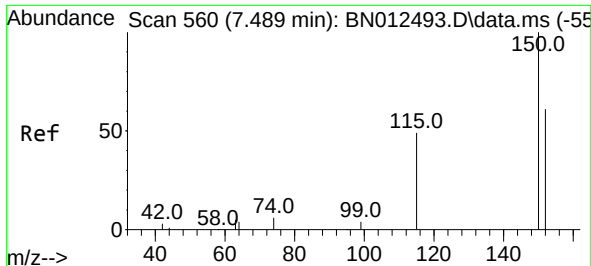
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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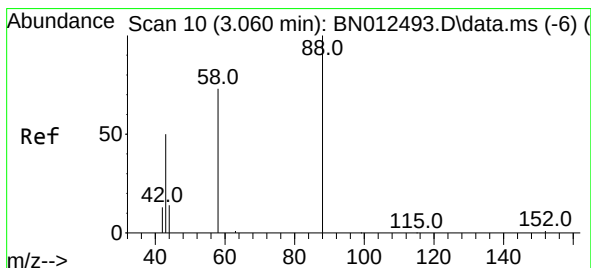
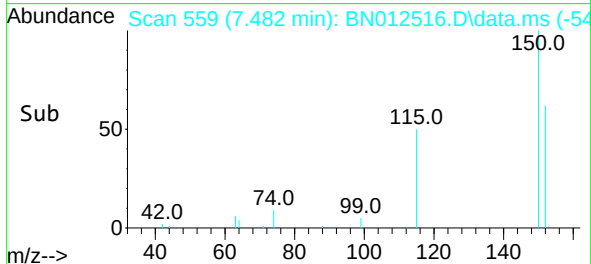
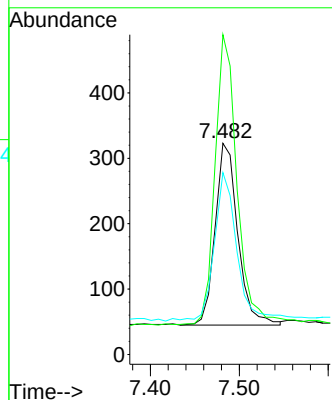
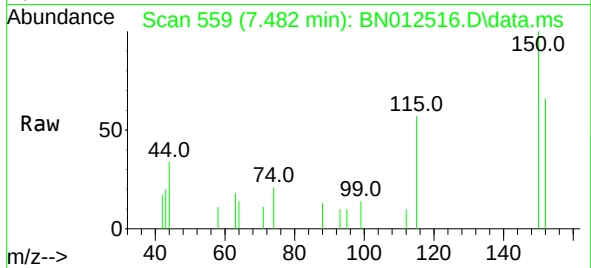




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 0.40 ng  
 RT: 7.482 min Scan# 559  
 Delta R.T. -0.007 min  
 Lab File: BN012516.D  
 Acq: 09 Nov 2020 16:57

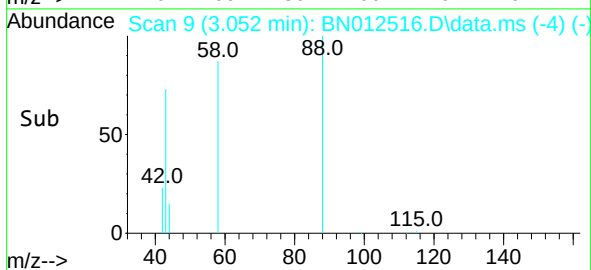
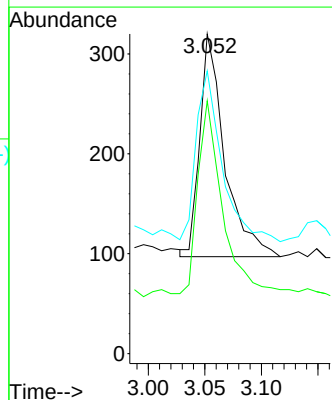
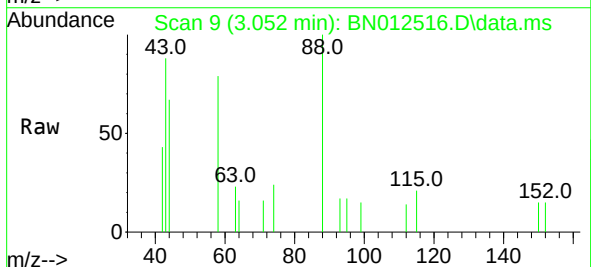
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 BP-VPB178-GW-198-200

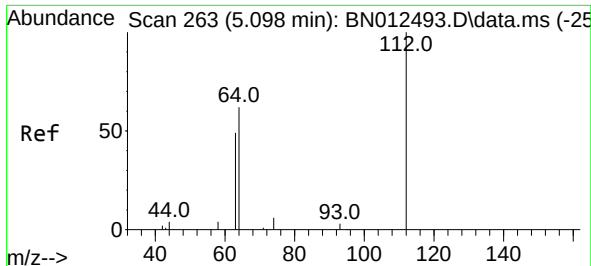
Tgt Ion:152 Resp: 492  
 Ion Ratio Lower Upper  
 152 100  
 150 151.4 116.6 174.8  
 115 86.1 52.9 79.3#



#2  
 1,4-Dioxane  
 Concen: 0.44 ng  
 RT: 3.052 min Scan# 9  
 Delta R.T. -0.008 min  
 Lab File: BN012516.D  
 Acq: 09 Nov 2020 16:57

Tgt Ion: 88 Resp: 340  
 Ion Ratio Lower Upper  
 88 100  
 58 84.7 59.4 89.2  
 43 80.0 32.3 48.5#

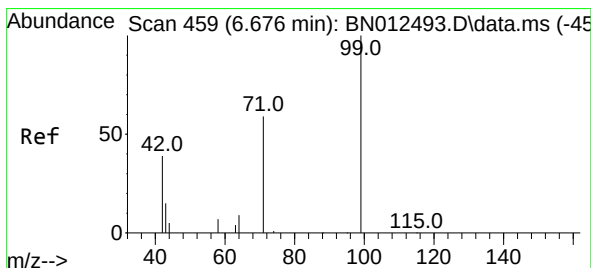
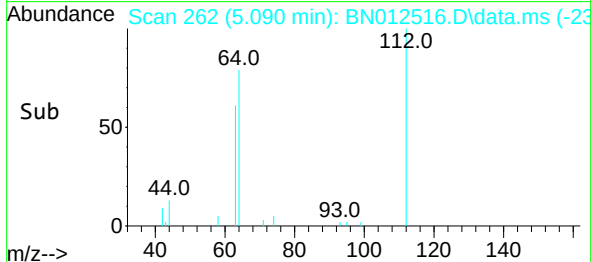
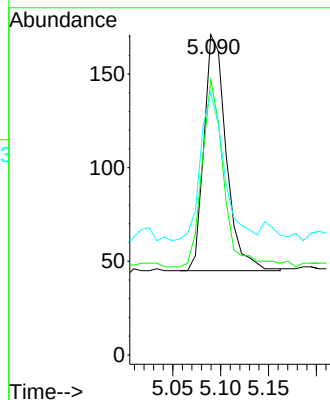
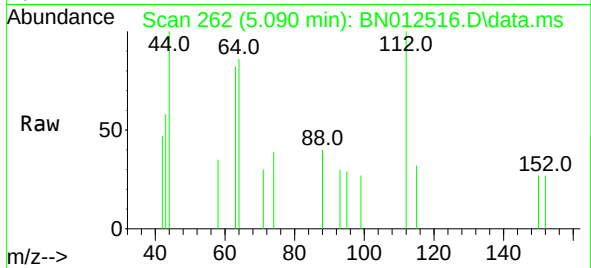




#4  
2-Fluorophenol  
Concen: 0.12 ng  
RT: 5.090 min Scan# 262  
Delta R.T. -0.008 min  
Lab File: BN012516.D  
Acq: 09 Nov 2020 16:57

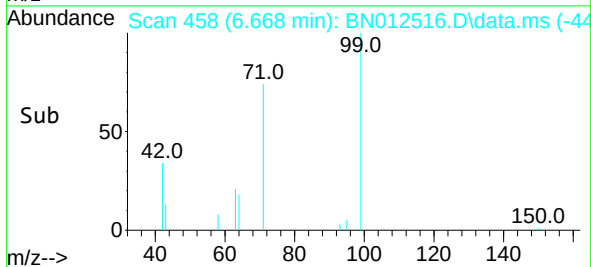
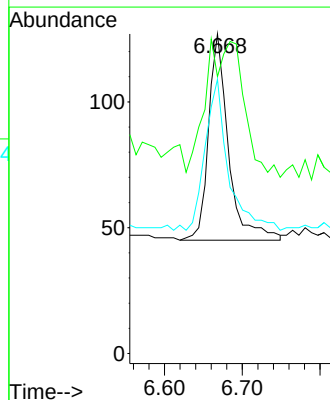
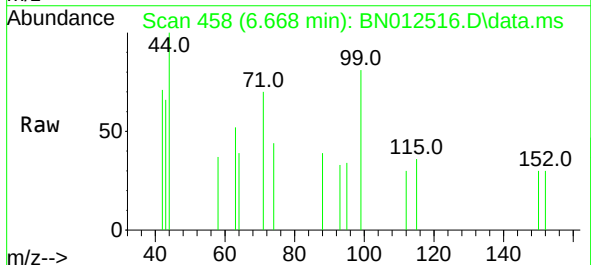
Instrument :  
BNA\_N  
ClientSampleId :  
BP-VPB178-GW-198-200

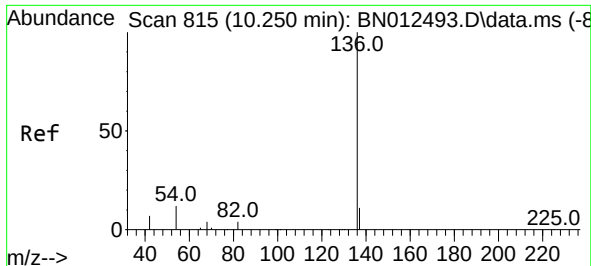
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 112   | Resp: | 203   |
| Ion      | Ratio | Lower | Upper |
| 112      | 100   |       |       |
| 64       | 77.8  | 49.5  | 74.3# |
| 63       | 70.9  | 32.0  | 48.0# |



#5  
Phenol-d6  
Concen: 0.07 ng  
RT: 6.668 min Scan# 458  
Delta R.T. -0.008 min  
Lab File: BN012516.D  
Acq: 09 Nov 2020 16:57

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 99    | Resp: | 146   |
| Ion      | Ratio | Lower | Upper |
| 99       | 100   |       |       |
| 42       | 126.0 | 22.4  | 33.6# |
| 71       | 84.9  | 37.8  | 56.6# |

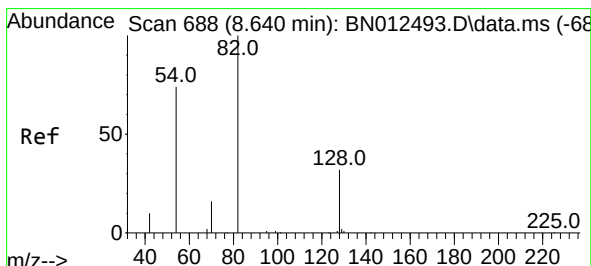
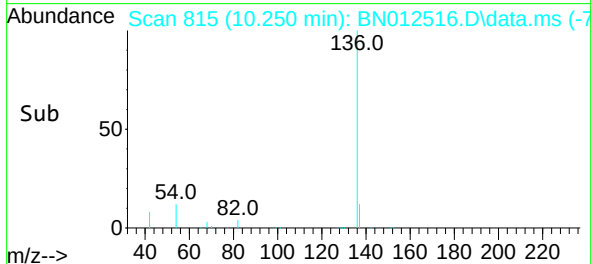
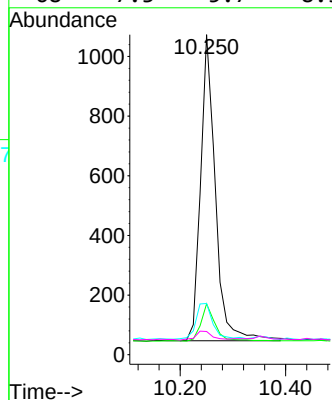
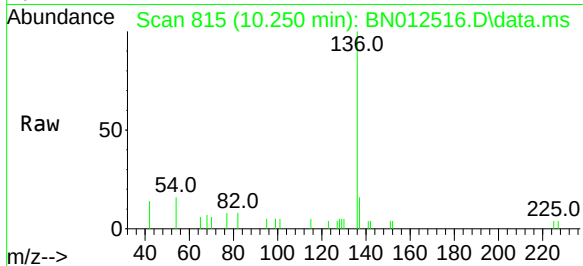




#7  
Naphthalene-d8  
Concen: 0.40 ng  
RT: 10.250 min Scan# 815  
Delta R.T. 0.000 min  
Lab File: BN012516.D  
Acq: 09 Nov 2020 16:57

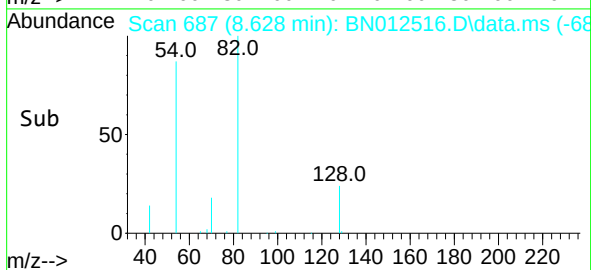
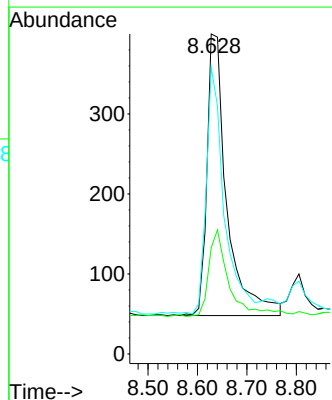
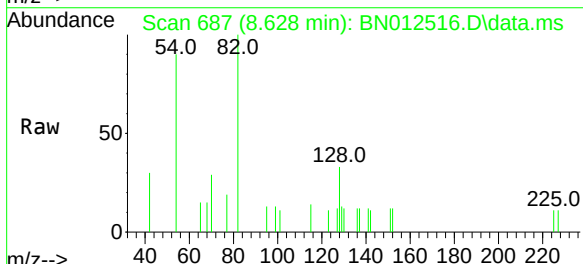
Instrument :  
BNA\_N  
ClientSampleId :  
BP-VPB178-GW-198-200

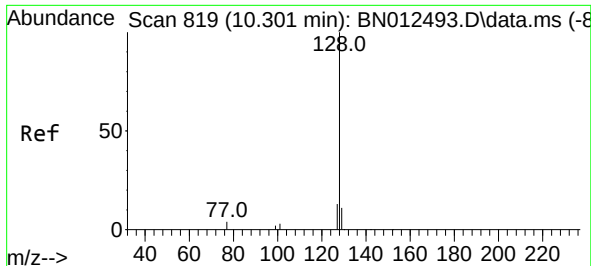
|             |       |            |
|-------------|-------|------------|
| Tgt Ion:136 | Resp: | 1999       |
| Ion Ratio   | Lower | Upper      |
| 136         | 100   |            |
| 137         | 15.9  | 10.6 15.8# |
| 54          | 16.0  | 8.6 12.8#  |
| 68          | 7.3   | 5.7 8.5    |



#8  
Nitrobenzene-d5  
Concen: 0.42 ng  
RT: 8.628 min Scan# 687  
Delta R.T. -0.013 min  
Lab File: BN012516.D  
Acq: 09 Nov 2020 16:57

|             |       |            |
|-------------|-------|------------|
| Tgt Ion: 82 | Resp: | 988        |
| Ion Ratio   | Lower | Upper      |
| 82          | 100   |            |
| 128         | 33.3  | 30.6 46.0  |
| 54          | 89.5  | 48.3 72.5# |

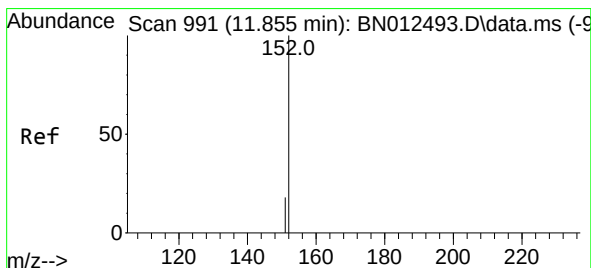
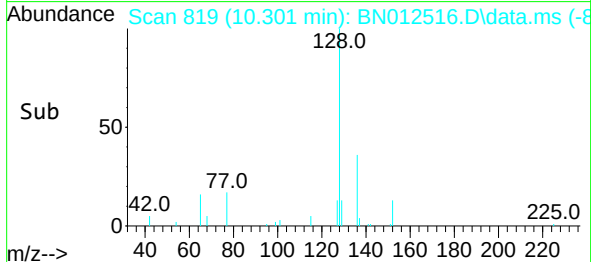
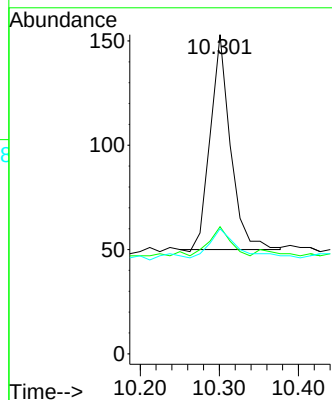
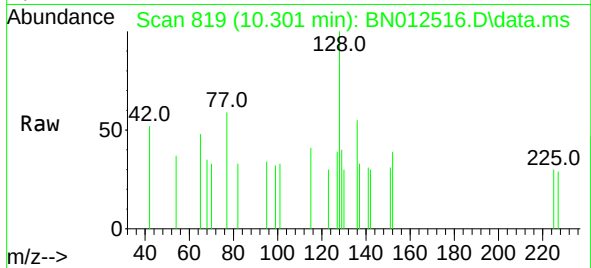




#9  
Naphthalene  
Concen: 0.03 ng  
RT: 10.301 min Scan# 819  
Delta R.T. 0.000 min  
Lab File: BN012516.D  
Acq: 09 Nov 2020 16:57

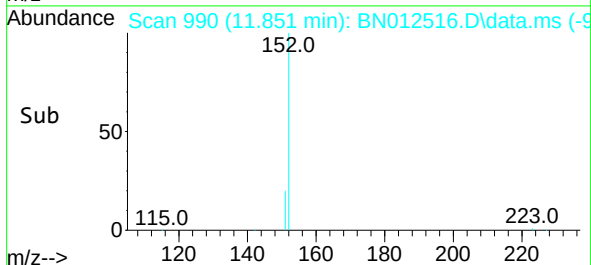
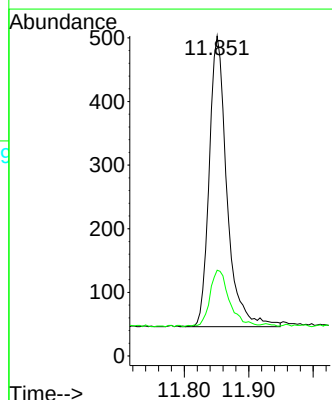
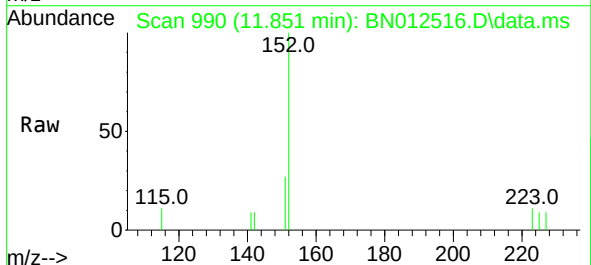
Instrument :  
BNA\_N  
ClientSampleId :  
BP-VPB178-GW-198-200

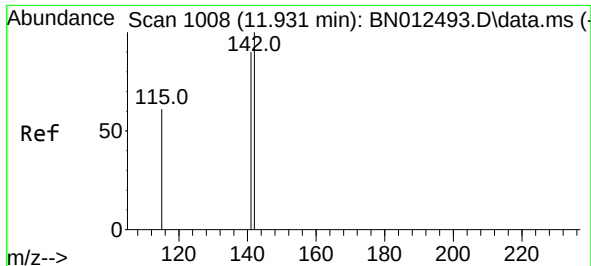
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 128   | Resp: | 182   |
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 129       | 39.9  | 9.8   | 14.8# |
| 127       | 39.2  | 12.2  | 18.4# |



#11  
2-Methylnaphthalene-d10  
Concen: 0.27 ng  
RT: 11.851 min Scan# 990  
Delta R.T. -0.004 min  
Lab File: BN012516.D  
Acq: 09 Nov 2020 16:57

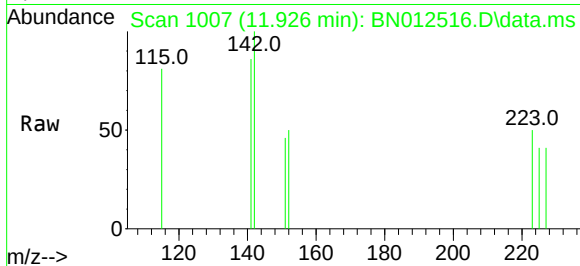
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|-----------|-------|-------|------|
| Tgt Ion:  | 152   | Resp: | 871  |
| Ion Ratio | Lower | Upper |      |
| 152       | 100   |       |      |
| 151       | 21.6  | 16.7  | 25.1 |



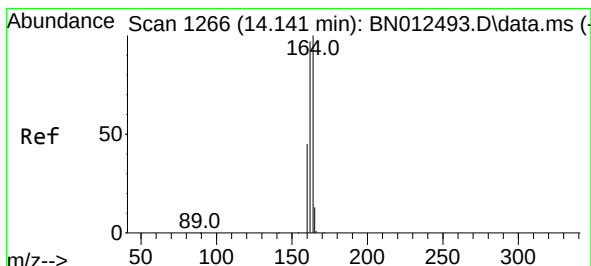
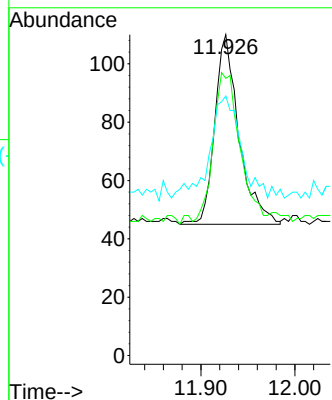
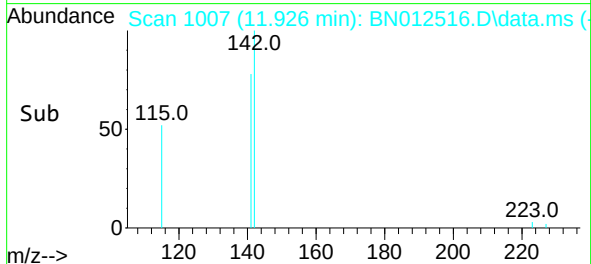


#12  
2-Methylnaphthalene  
Concen: 0.03 ng  
RT: 11.926 min Scan# 1007  
Delta R.T. -0.004 min  
Lab File: BN012516.D  
Acq: 09 Nov 2020 16:57

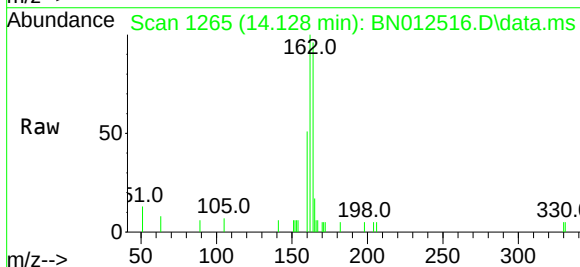
Instrument :  
BNA\_N  
ClientSampleId :  
BP-VPB178-GW-198-200



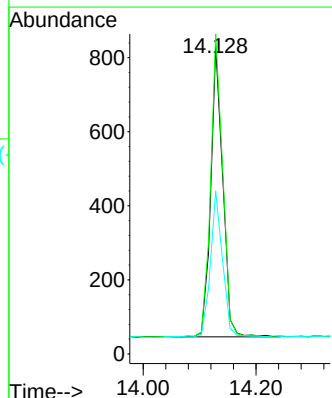
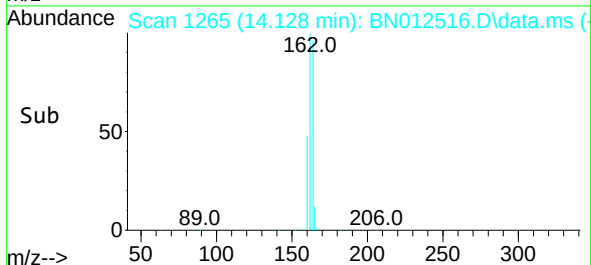
Tgt Ion:142 Resp: 116  
Ion Ratio Lower Upper  
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141 86.4 69.4 104.2  
115 80.9 35.7 53.5#

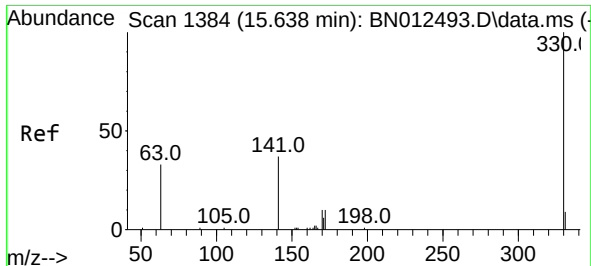


#13  
Acenaphthene-d10  
Concen: 0.40 ng  
RT: 14.128 min Scan# 1265  
Delta R.T. -0.013 min  
Lab File: BN012516.D  
Acq: 09 Nov 2020 16:57



Tgt Ion:164 Resp: 1159  
Ion Ratio Lower Upper  
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162 104.1 80.6 120.8  
160 53.0 39.5 59.3

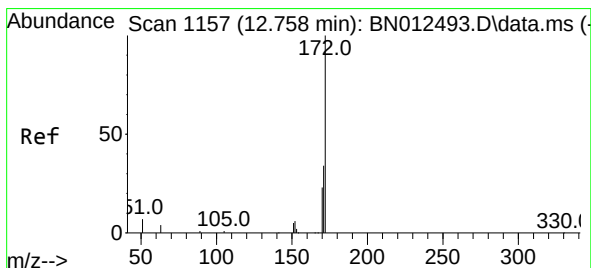
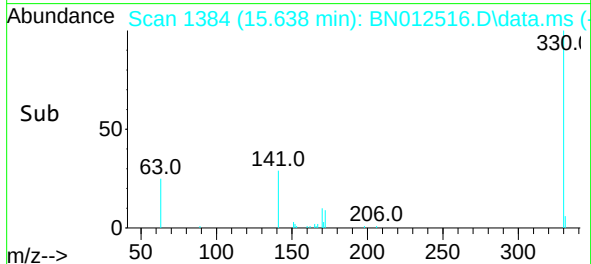
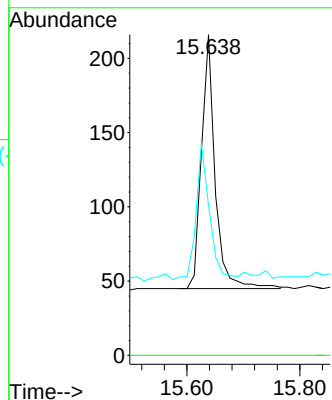
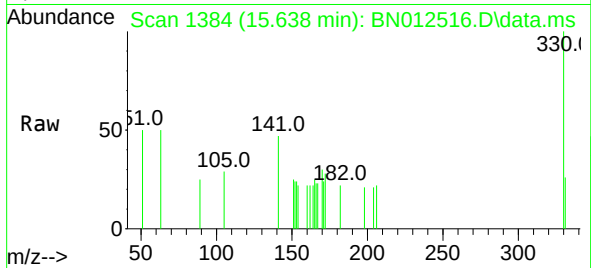




#14  
2,4,6-Tribromophenol  
Concen: 0.34 ng  
RT: 15.638 min Scan# 1384  
Delta R.T. 0.000 min  
Lab File: BN012516.D  
Acq: 09 Nov 2020 16:57

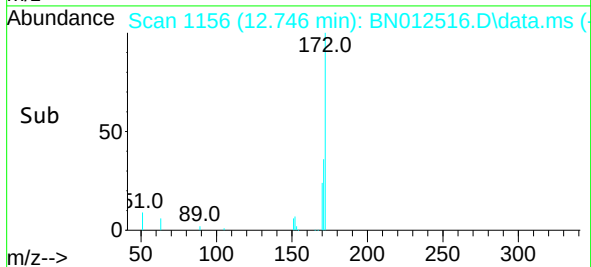
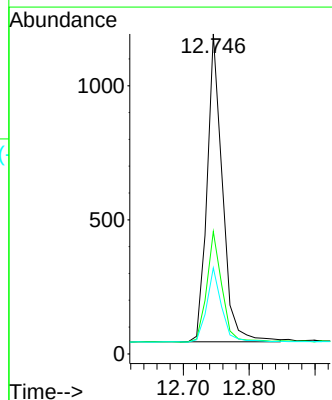
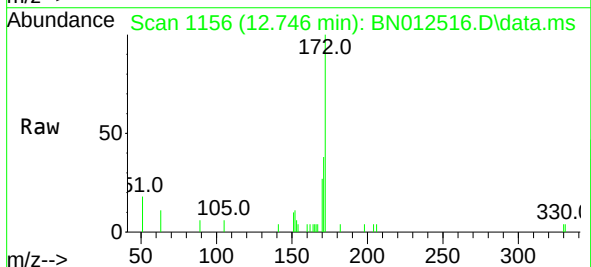
Instrument :  
BNA\_N  
ClientSampleId :  
BP-VPB178-GW-198-200

Tgt Ion:330 Resp: 286  
Ion Ratio Lower Upper  
330 100  
332 0.0 0.0 0.0  
141 53.1 34.4 51.6#

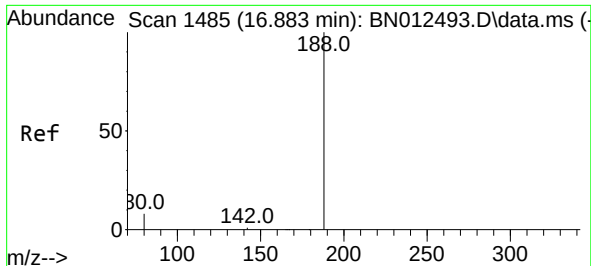


#15  
2-Fluorobiphenyl  
Concen: 0.41 ng  
RT: 12.746 min Scan# 1156  
Delta R.T. -0.013 min  
Lab File: BN012516.D  
Acq: 09 Nov 2020 16:57

Tgt Ion:172 Resp: 1870  
Ion Ratio Lower Upper  
172 100  
171 38.2 28.2 42.4  
170 26.9 20.0 30.0



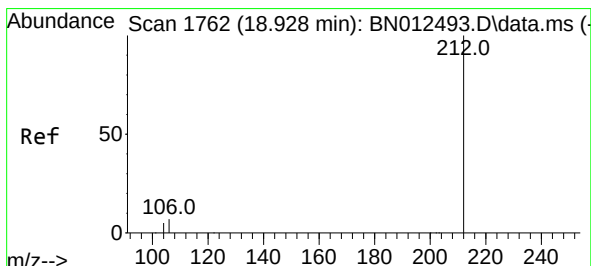
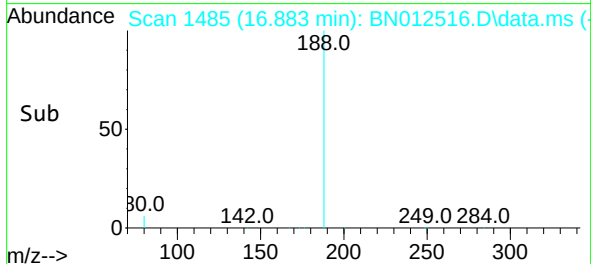
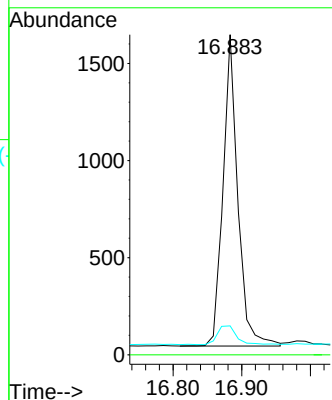
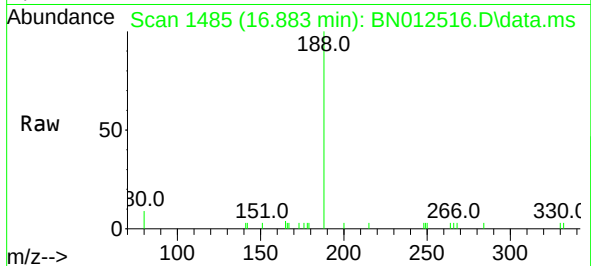




#19  
Phenanthrene-d10  
Concen: 0.40 ng  
RT: 16.883 min Scan# 1485  
Delta R.T. 0.000 min  
Lab File: BN012516.D  
Acq: 09 Nov 2020 16:57

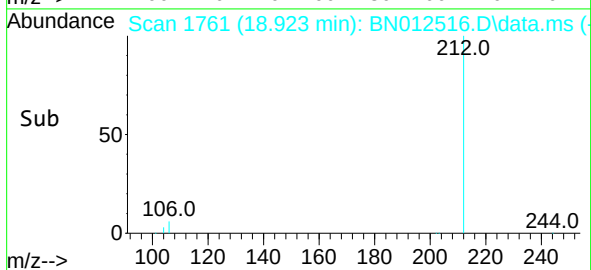
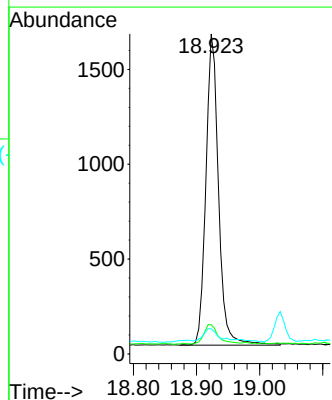
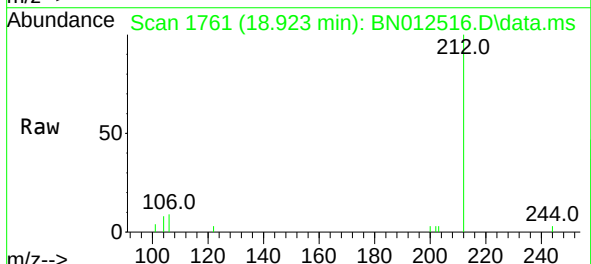
Instrument :  
BNA\_N  
ClientSampleId :  
BP-VPB178-GW-198-200

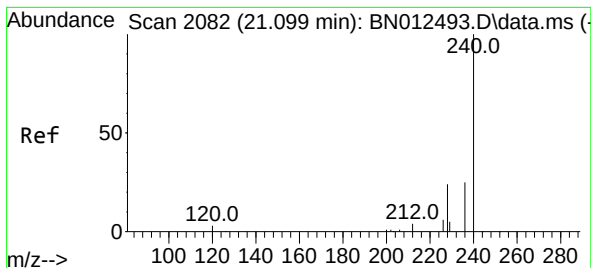
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 0.0   | 0.0   | 0.0   |
| 80      | 9.0   | 5.0   | 7.4#  |



#27  
Fluoranthene-d10  
Concen: 0.31 ng  
RT: 18.923 min Scan# 1761  
Delta R.T. -0.005 min  
Lab File: BN012516.D  
Acq: 09 Nov 2020 16:57

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 212     | 100   |       |       |
| 106     | 6.8   | 6.8   | 10.2  |
| 104     | 4.2   | 4.1   | 6.1   |





#29

Chrysene-d12

Concen: 0.40 ng

RT: 21.099 min Scan# 2082

Delta R.T. 0.000 min

Lab File: BN012516.D

Acq: 09 Nov 2020 16:57

Tgt Ion:240 Resp: 2777

Ion Ratio Lower Upper

240 100

120 8.2 5.3 7.9#

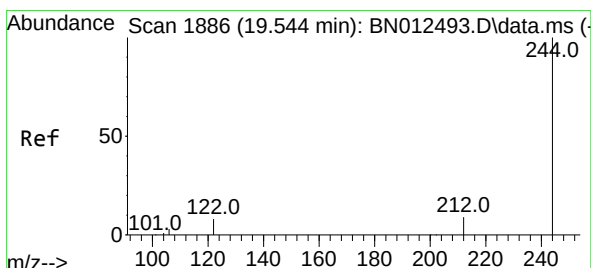
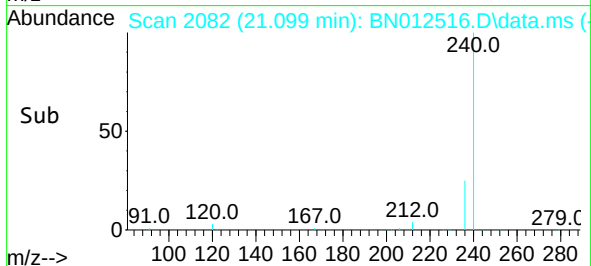
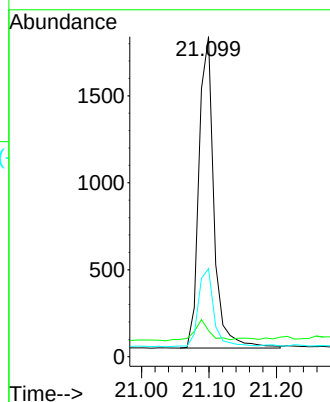
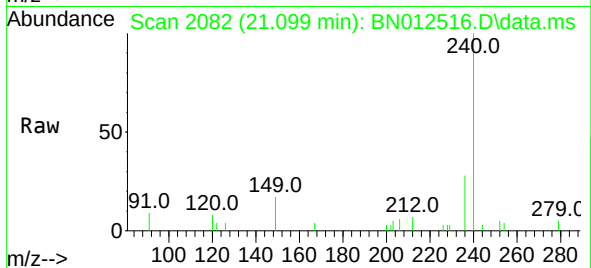
236 27.5 21.8 32.8

Instrument :

BNA\_N

ClientSampleId :

BP-VPB178-GW-198-200



#31

Terphenyl-d14

Concen: 0.53 ng

RT: 19.539 min Scan# 1885

Delta R.T. -0.005 min

Lab File: BN012516.D

Acq: 09 Nov 2020 16:57

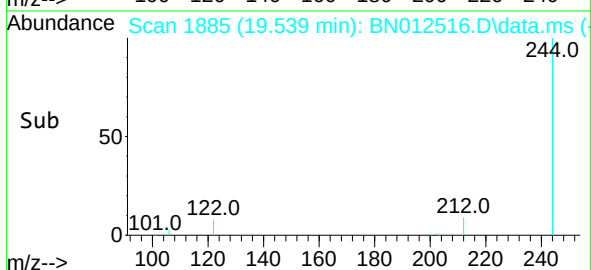
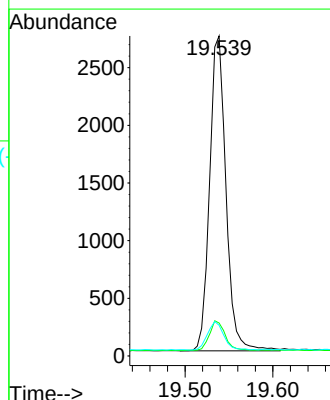
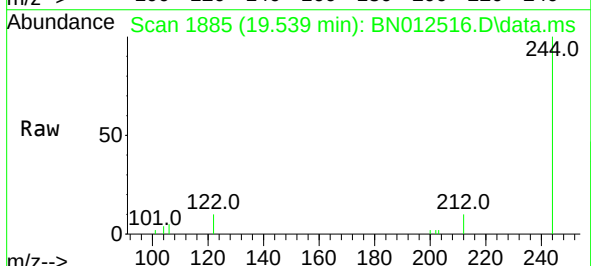
Tgt Ion:244 Resp: 3532

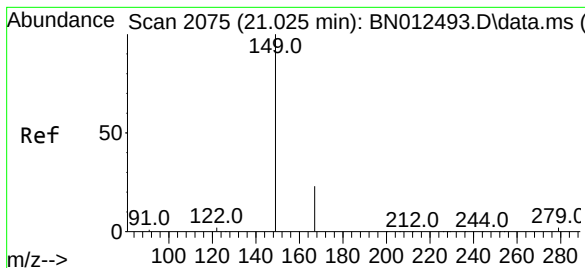
Ion Ratio Lower Upper

244 100

212 10.3 7.3 10.9

122 9.6 7.3 10.9

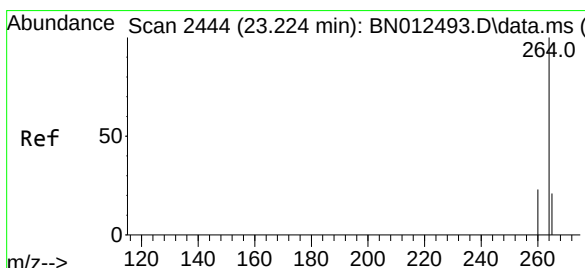
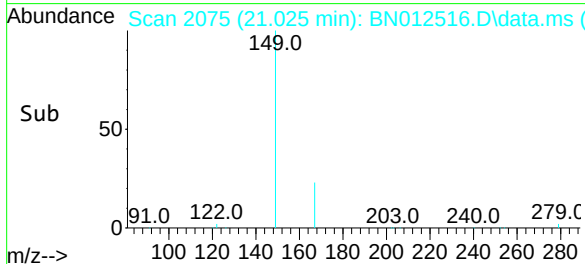
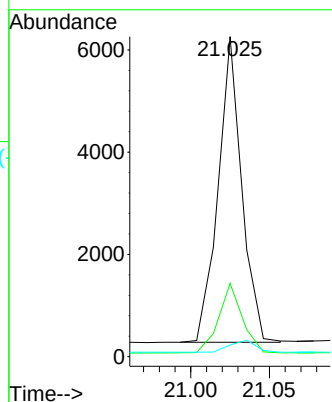
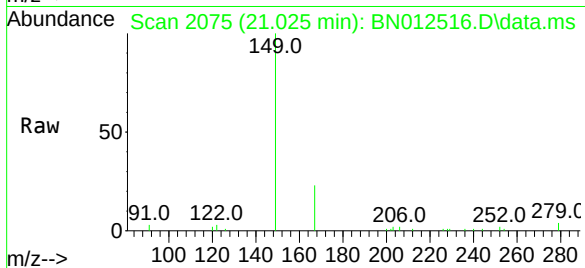




#34  
 Bis(2-ethylhexyl)phthalate  
 Concen: 1.04 ng  
 RT: 21.025 min Scan# 2075  
 Delta R.T. 0.000 min  
 Lab File: BN012516.D  
 Acq: 09 Nov 2020 16:57

Instrument :  
 BNA\_N  
 ClientSampleId :  
 BP-VPB178-GW-198-200

Tgt Ion:149 Resp: 6228  
 Ion Ratio Lower Upper  
 149 100  
 167 22.7 23.2 34.8#  
 279 4.3 3.9 5.9



#36  
 Perylene-d12  
 Concen: 0.40 ng  
 RT: 23.224 min Scan# 2444  
 Delta R.T. 0.000 min  
 Lab File: BN012516.D  
 Acq: 09 Nov 2020 16:57

Tgt Ion:264 Resp: 3511  
 Ion Ratio Lower Upper  
 264 100  
 260 24.4 19.8 29.6  
 265 56.2 51.4 77.0

