

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN092421\  
 Data File : BN016462.D  
 Acq On : 25 Sep 2021 07:13  
 Operator : CG/JU  
 Sample : M3782-07  
 Misc :  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :

Quant Time: Sep 26 07:02:01 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\8270-SIM-BN092421.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Sep 24 03:35:41 2021  
 Response via : Initial Calibration

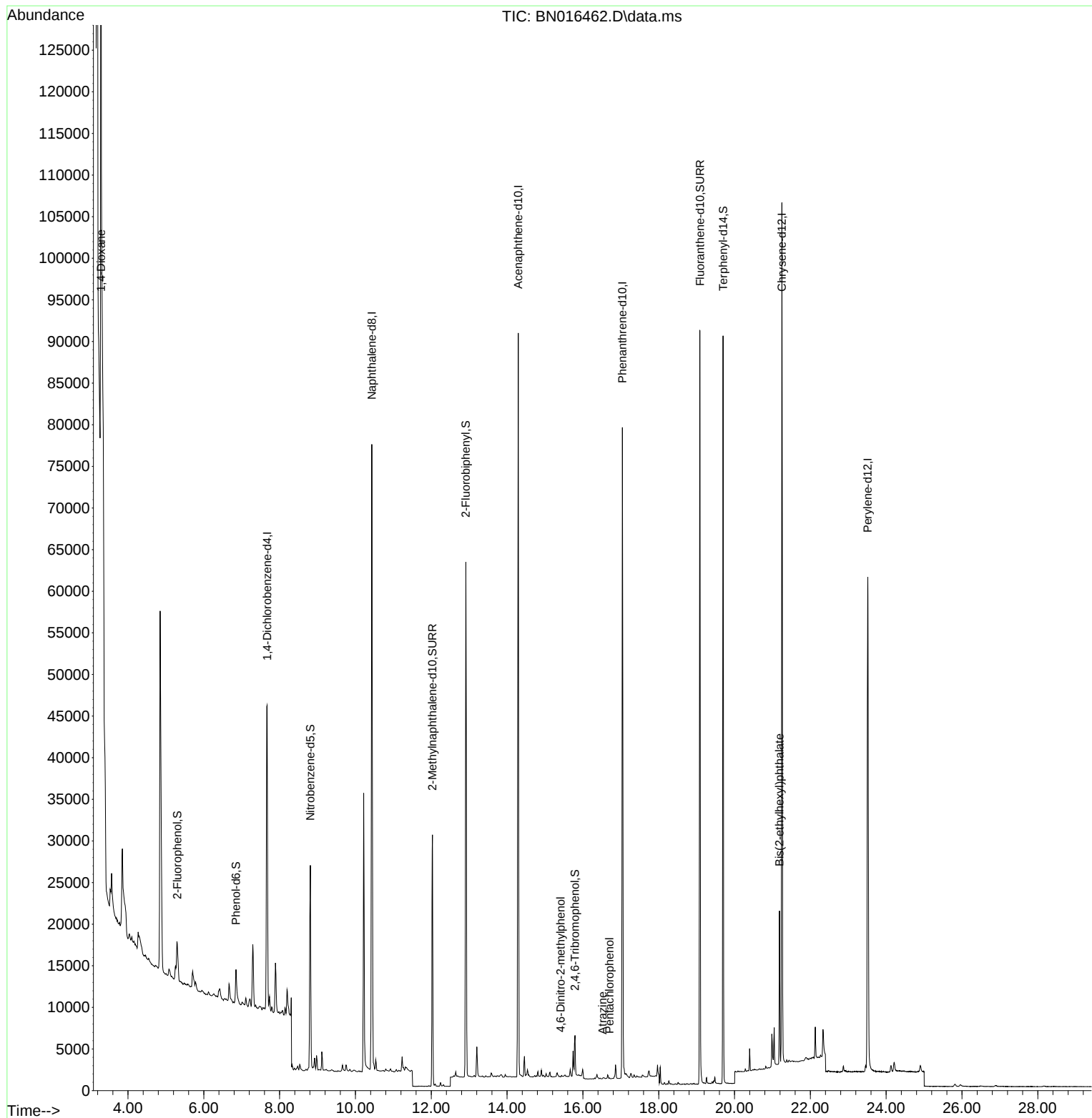
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.670  | 152  | 21708    | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.432 | 136  | 95678    | 0.400 | ng    | #-0.01   |
| 13) Acenaphthene-d10          | 14.294 | 164  | 49712    | 0.400 | ng    | 0.00     |
| 19) Phenanthrene-d10          | 17.042 | 188  | 101273   | 0.400 | ng    | 0.00     |
| 29) Chrysene-d12              | 21.249 | 240  | 95701    | 0.400 | ng    | # 0.00   |
| 35) Perylene-d12              | 23.515 | 264  | 82325    | 0.400 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.300  | 112  | 5766     | 0.118 | ng    | 0.02     |
| 5) Phenol-d6                  | 6.849  | 99   | 3749     | 0.065 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 8.810  | 82   | 19302    | 0.285 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10   | 12.029 | 152  | 40442    | 0.285 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 15.791 | 330  | 3821     | 0.331 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl          | 12.911 | 172  | 53703    | 0.257 | ng    | -0.01    |
| 27) Fluoranthene-d10          | 19.088 | 212  | 105568   | 0.380 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.698 | 244  | 89201    | 0.401 | ng    | 0.00     |
| Target Compounds              |        |      |          |       |       |          |
| 2) 1,4-Dioxane                | 3.290  | 88   | 58522    | 6.291 | ng    | # 89     |
| 20) 4,6-Dinitro-2-methylph... | 15.411 | 198  | 2        | 0.147 | ng    | # 1      |
| 23) Atrazine                  | 16.518 | 200  | 3        | 0.135 | ng    | # 1      |
| 24) Pentachlorophenol         | 16.701 | 266  | 39       | 0.246 | ng    | # 75     |
| 34) Bis(2-ethylhexyl)phtha... | 21.185 | 149  | 16302    | 0.215 | ng    | 98       |
| -----                         |        |      |          |       |       |          |

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

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ALS Vial : 27 Sample Multiplier: 1

Instrument :  
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\8270-SIM-BN092421.M  
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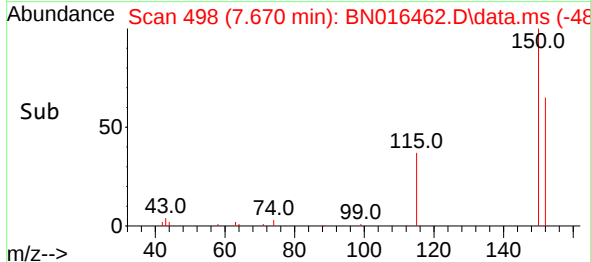
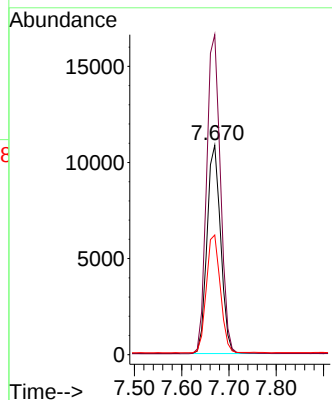
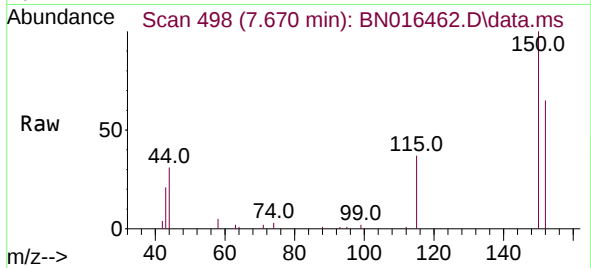




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 0.400 ng  
 RT: 7.670 min Scan# 498  
 Delta R.T. -0.000 min  
 Lab File: BN016462.D  
 Acq: 25 Sep 2021 07:13

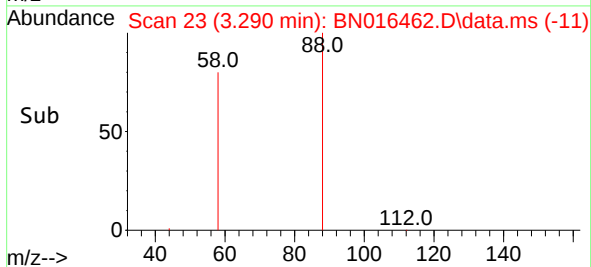
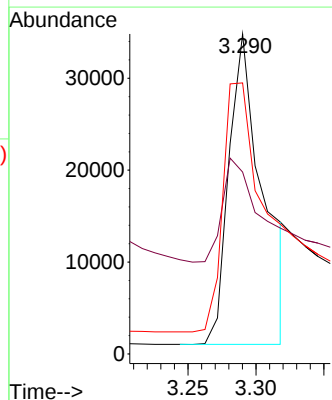
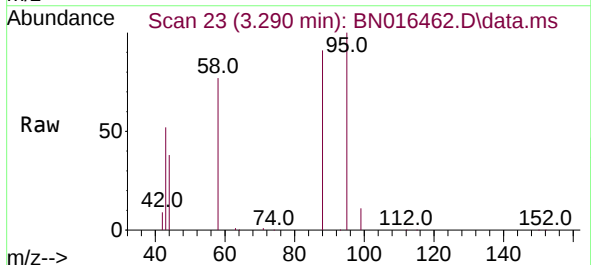
Instrument :  
 BNA\_N  
 ClientSampleId :

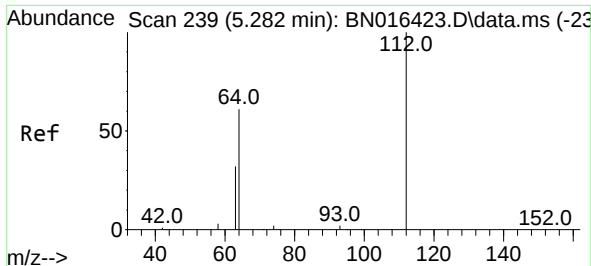
Tgt Ion:152 Resp: 21708  
 Ion Ratio Lower Upper  
 152 100  
 150 152.8 125.6 188.4  
 115 57.2 50.2 75.2



#2  
 1,4-Dioxane  
 Concen: 6.291 ng  
 RT: 3.290 min Scan# 23  
 Delta R.T. 0.009 min  
 Lab File: BN016462.D  
 Acq: 25 Sep 2021 07:13

Tgt Ion: 88 Resp: 58522  
 Ion Ratio Lower Upper  
 88 100  
 43 35.6 20.3 30.5#  
 58 94.6 69.9 104.9

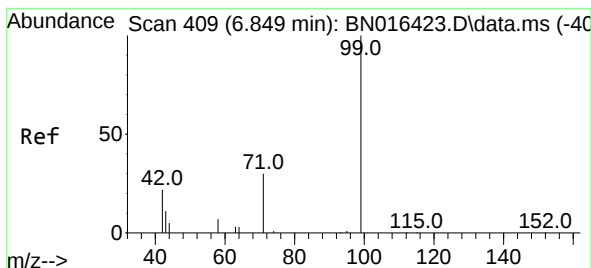
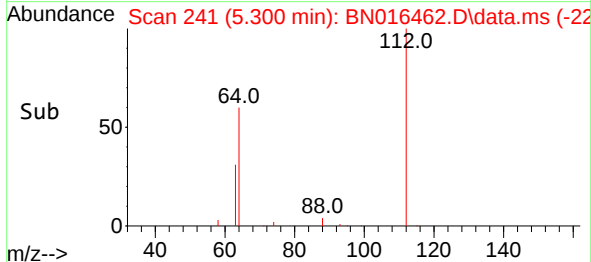
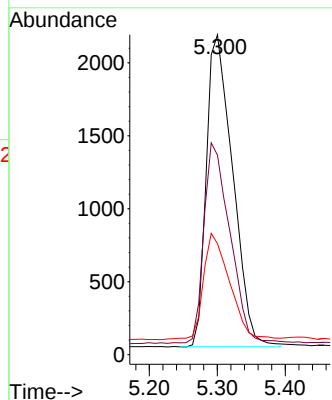
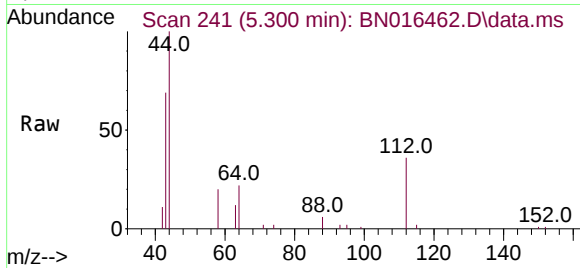




#4  
2-Fluorophenol  
Concen: 0.118 ng  
RT: 5.300 min Scan# 241  
Delta R.T. 0.019 min  
Lab File: BN016462.D  
Acq: 25 Sep 2021 07:13

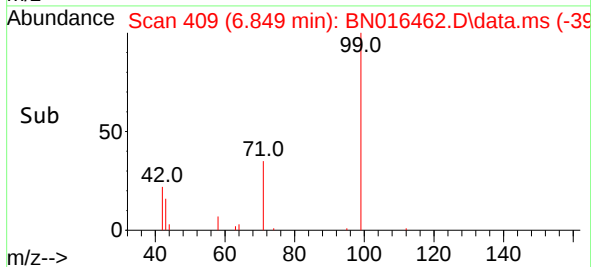
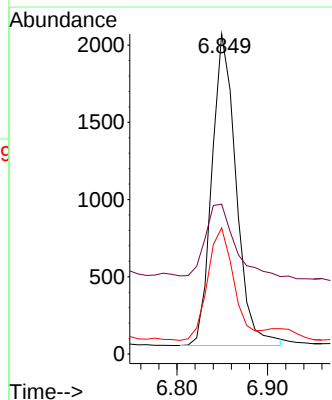
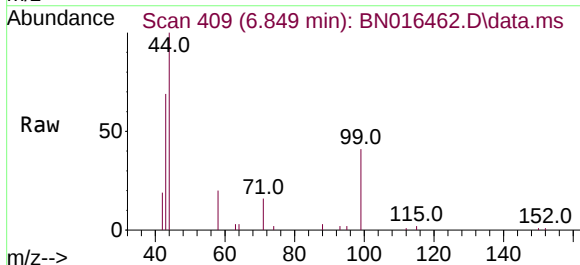
Instrument :  
BNA\_N  
ClientSampleId :

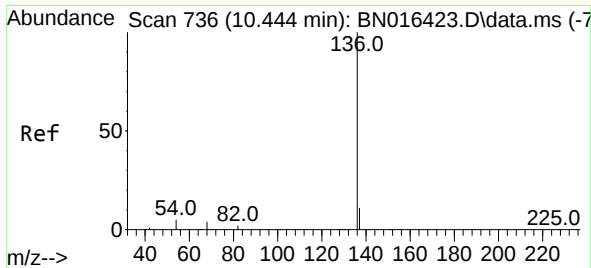
Tgt Ion:112 Resp: 5766  
Ion Ratio Lower Upper  
112 100  
64 63.3 47.3 70.9  
63 33.9 23.4 35.0



#5  
Phenol-d6  
Concen: 0.065 ng  
RT: 6.849 min Scan# 409  
Delta R.T. 0.000 min  
Lab File: BN016462.D  
Acq: 25 Sep 2021 07:13

Tgt Ion: 99 Resp: 3749  
Ion Ratio Lower Upper  
99 100  
42 27.4 14.0 21.0#  
71 39.9 23.8 35.6#

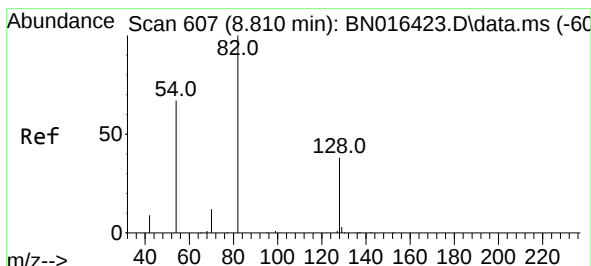
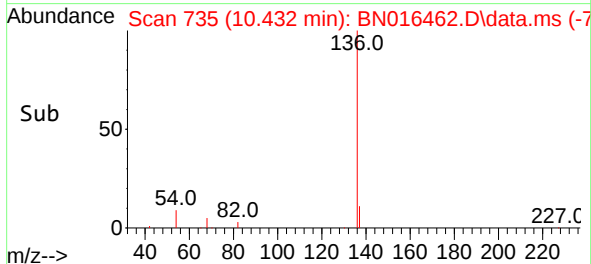
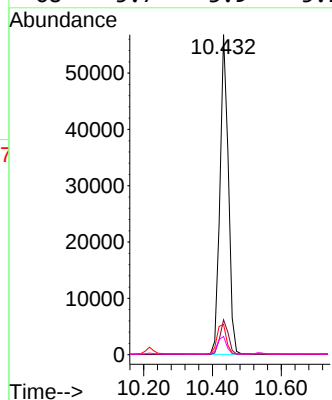
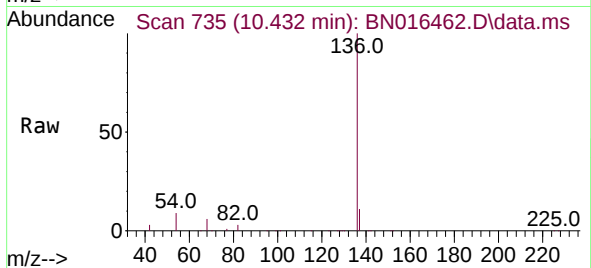




#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.432 min Scan# 735  
Delta R.T. -0.013 min  
Lab File: BN016462.D  
Acq: 25 Sep 2021 07:13

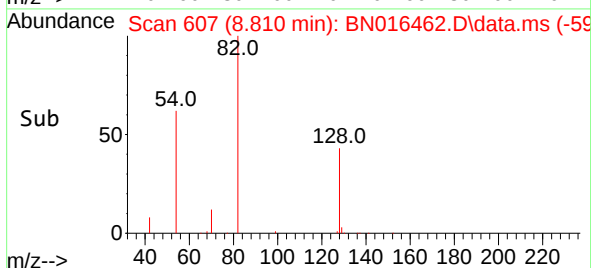
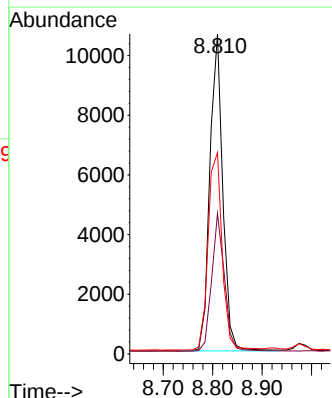
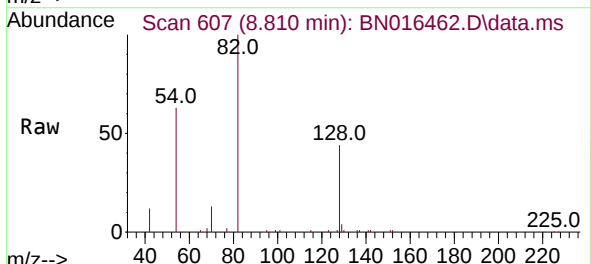
Instrument :  
BNA\_N  
ClientSampleId :

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 136   | Resp: | 95678 |
| Ion Ratio | Lower | Upper |       |
| 136       | 100   |       |       |
| 137       | 10.9  | 8.8   | 13.2  |
| 54        | 9.5   | 5.3   | 7.9#  |
| 68        | 5.7   | 3.9   | 5.9   |



#8  
Nitrobenzene-d5  
Concen: 0.285 ng  
RT: 8.810 min Scan# 607  
Delta R.T. 0.000 min  
Lab File: BN016462.D  
Acq: 25 Sep 2021 07:13

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 82    | Resp: | 19302 |
| Ion Ratio | Lower | Upper |       |
| 82        | 100   |       |       |
| 128       | 43.9  | 31.7  | 47.5  |
| 54        | 63.0  | 46.4  | 69.6  |

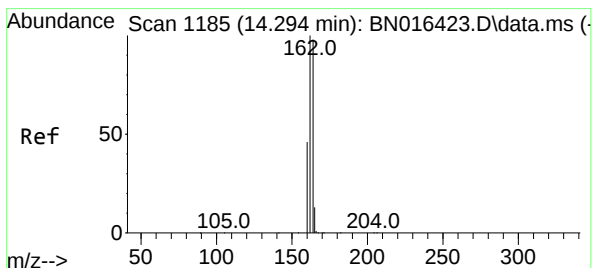
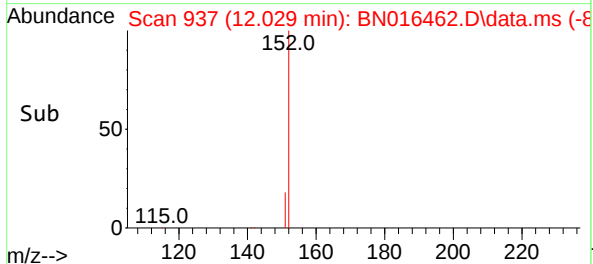
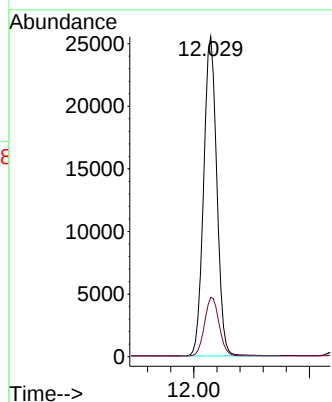
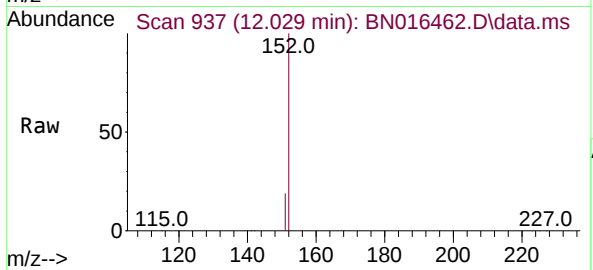




#11  
2-Methylnaphthalene-d10  
Concen: 0.285 ng  
RT: 12.029 min Scan# 937  
Delta R.T. -0.004 min  
Lab File: BN016462.D  
Acq: 25 Sep 2021 07:13

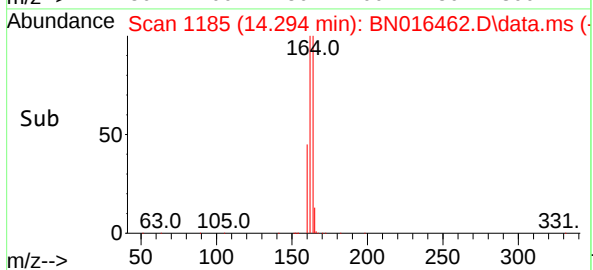
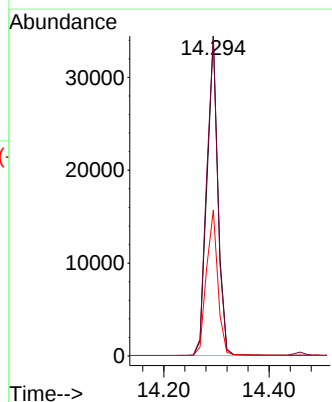
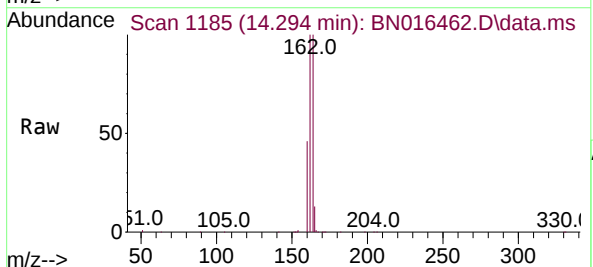
Instrument :  
BNA\_N  
ClientSampled :

Tgt Ion:152 Resp: 40442  
Ion Ratio Lower Upper  
152 100  
151 20.4 16.1 24.1



#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.294 min Scan# 1185  
Delta R.T. 0.000 min  
Lab File: BN016462.D  
Acq: 25 Sep 2021 07:13

Tgt Ion:164 Resp: 49712  
Ion Ratio Lower Upper  
164 100  
162 99.8 79.0 118.4  
160 45.6 34.1 51.1

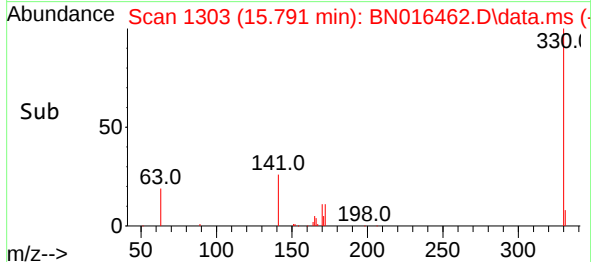
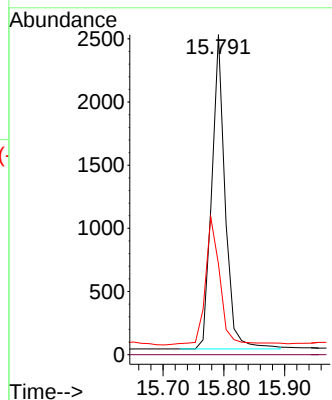
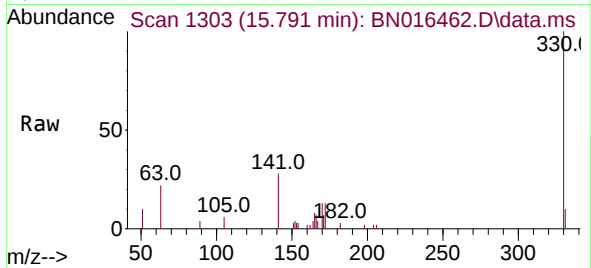




#14  
2,4,6-Tribromophenol  
Concen: 0.331 ng  
RT: 15.791 min Scan# 1303  
Delta R.T. 0.000 min  
Lab File: BN016462.D  
Acq: 25 Sep 2021 07:13

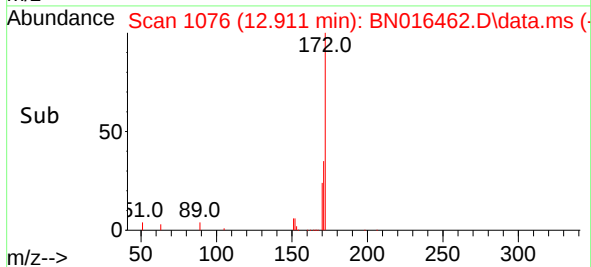
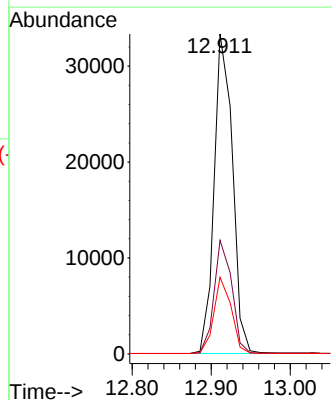
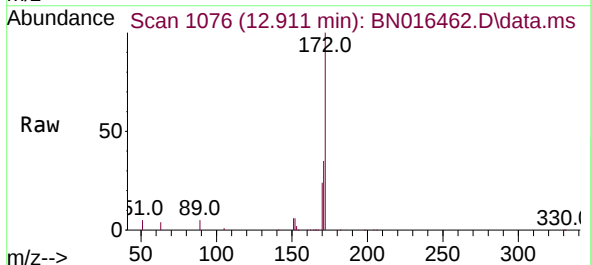
Instrument :  
BNA\_N  
ClientSampled :

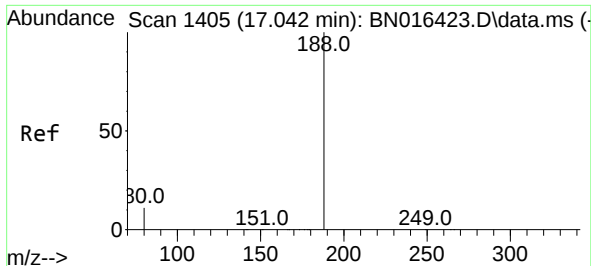
Tgt Ion:330 Resp: 3821  
Ion Ratio Lower Upper  
330 100  
332 0.0 0.0 0.0  
141 43.3 25.0 37.4#



#15  
2-Fluorobiphenyl  
Concen: 0.257 ng  
RT: 12.911 min Scan# 1076  
Delta R.T. -0.013 min  
Lab File: BN016462.D  
Acq: 25 Sep 2021 07:13

Tgt Ion:172 Resp: 53703  
Ion Ratio Lower Upper  
172 100  
171 35.5 27.8 41.6  
170 24.0 18.2 27.2

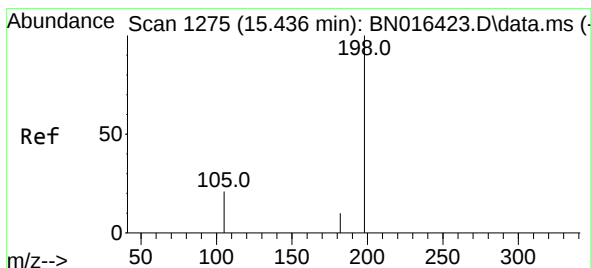
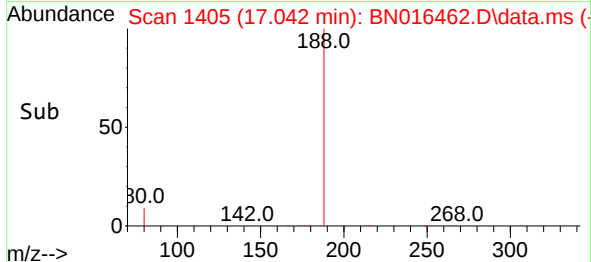
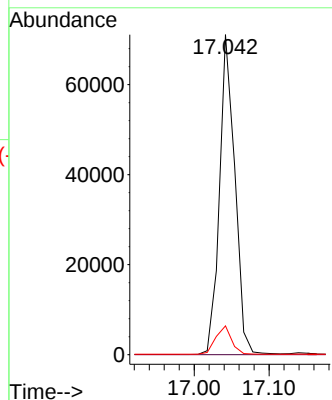
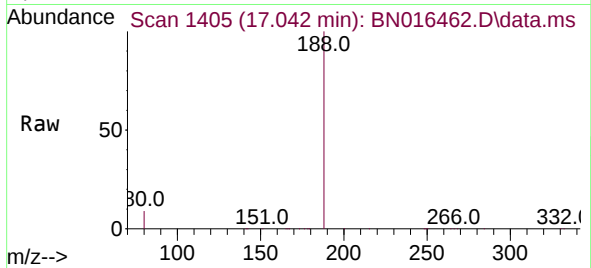




#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.042 min Scan# 1405  
Delta R.T. -0.000 min  
Lab File: BN016462.D  
Acq: 25 Sep 2021 07:13

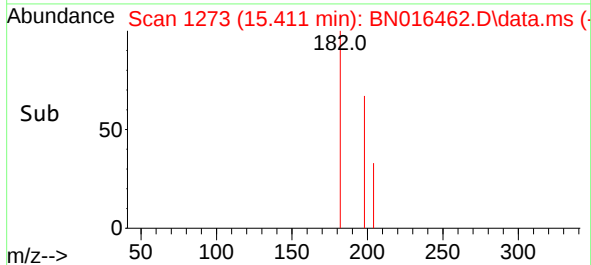
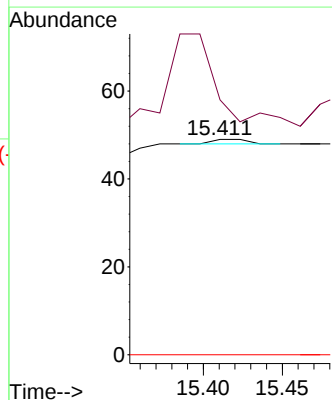
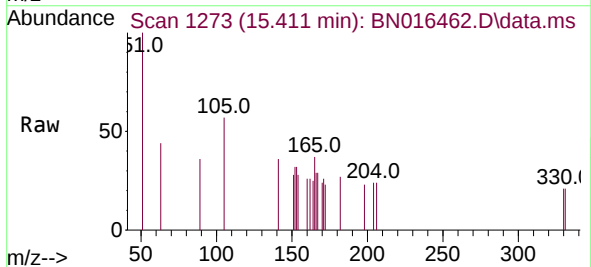
Instrument :  
BNA\_N  
ClientSampleId :

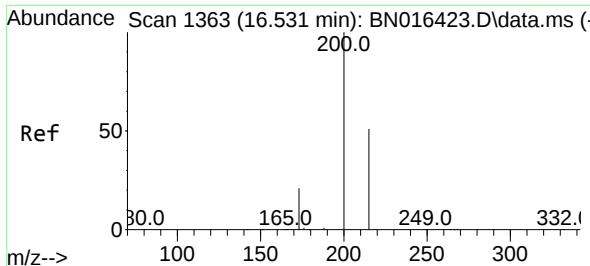
Tgt Ion:188 Resp: 101273  
Ion Ratio Lower Upper  
188 100  
94 0.0 0.0 0.0  
80 9.0 7.0 10.6



#20  
4,6-Dinitro-2-methylphenol  
Concen: 0.147 ng  
RT: 15.411 min Scan# 1273  
Delta R.T. -0.025 min  
Lab File: BN016462.D  
Acq: 25 Sep 2021 07:13

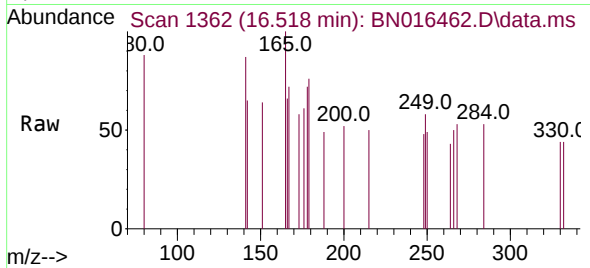
Tgt Ion:198 Resp: 2  
Ion Ratio Lower Upper  
198 100  
182 118.4 26.6 39.8#  
77 0.0 0.0 0.0



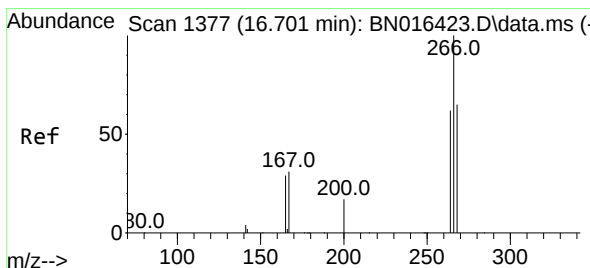
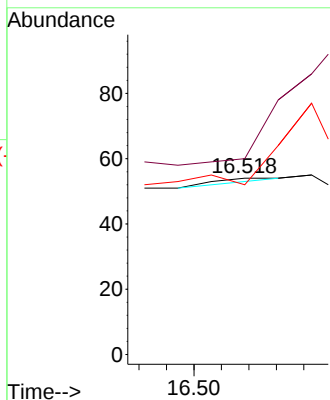
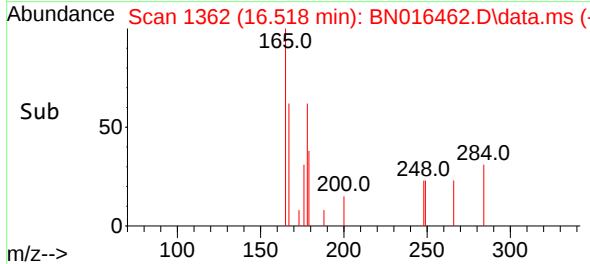


#23  
Atrazine  
Concen: 0.135 ng  
RT: 16.518 min Scan# 1362  
Delta R.T. -0.013 min  
Lab File: BN016462.D  
Acq: 25 Sep 2021 07:13

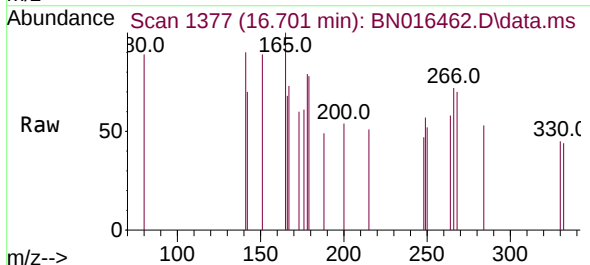
Instrument :  
BNA\_N  
ClientSampleId :



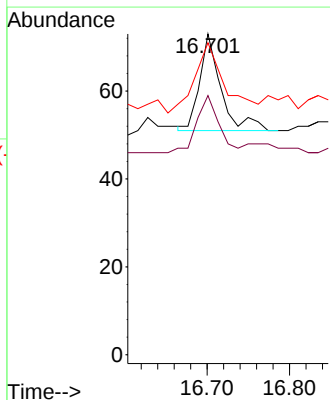
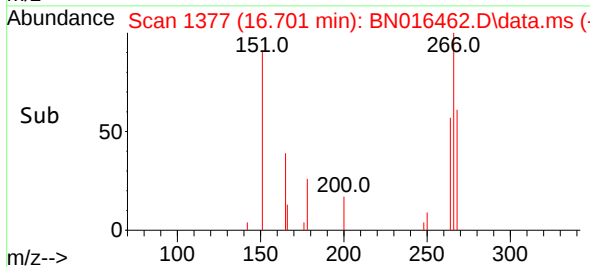
Tgt Ion:200 Resp: 3  
Ion Ratio Lower Upper  
200 100  
173 111.1 18.7 28.1#  
215 96.3 41.6 62.4#

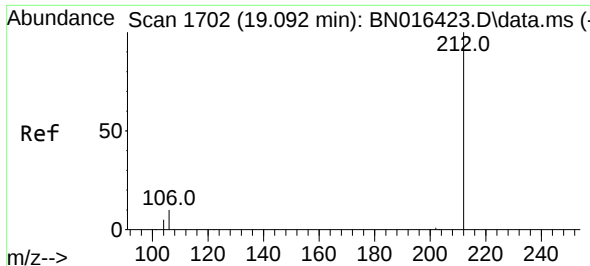


#24  
Pentachlorophenol  
Concen: 0.246 ng  
RT: 16.701 min Scan# 1377  
Delta R.T. 0.000 min  
Lab File: BN016462.D  
Acq: 25 Sep 2021 07:13



Tgt Ion:266 Resp: 39  
Ion Ratio Lower Upper  
266 100  
264 61.5 50.6 75.8  
268 102.6 52.6 79.0#

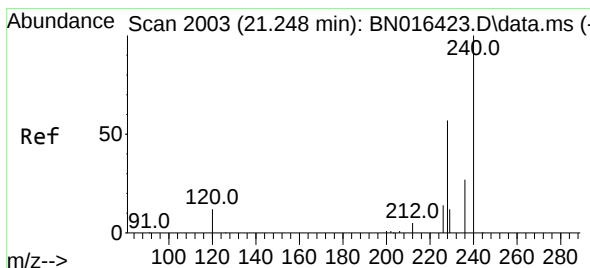
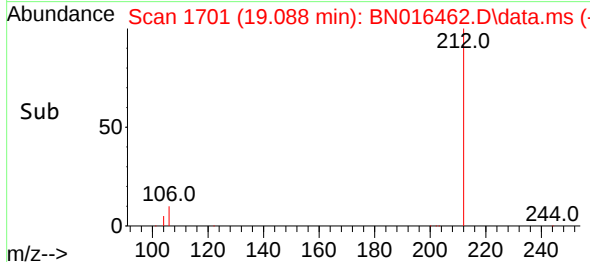
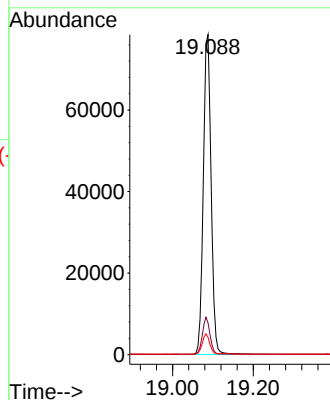
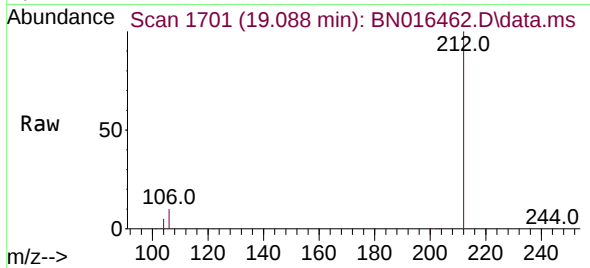




#27  
Fluoranthene-d10  
Concen: 0.380 ng  
RT: 19.088 min Scan# 1701  
Delta R.T. -0.005 min  
Lab File: BN016462.D  
Acq: 25 Sep 2021 07:13

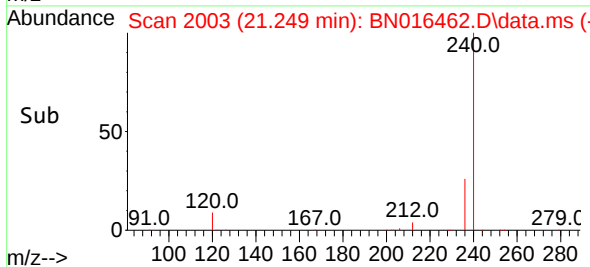
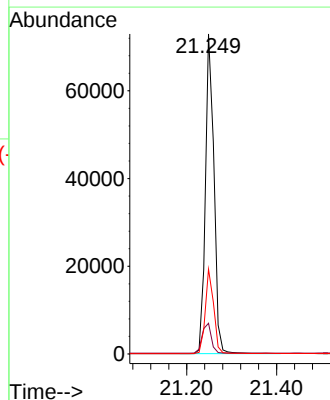
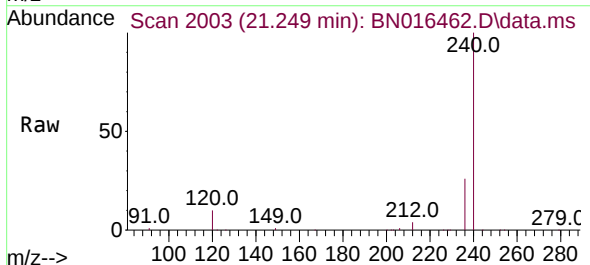
Instrument :  
BNA\_N  
ClientSampleId :

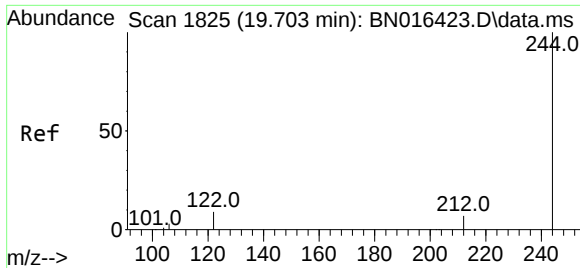
Tgt Ion:212 Resp: 105568  
Ion Ratio Lower Upper  
212 100  
106 11.0 9.8 14.6  
104 6.1 5.4 8.2



#29  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.249 min Scan# 2003  
Delta R.T. 0.000 min  
Lab File: BN016462.D  
Acq: 25 Sep 2021 07:13

Tgt Ion:240 Resp: 95701  
Ion Ratio Lower Upper  
240 100  
120 9.6 5.3 7.9#  
236 26.5 19.8 29.8

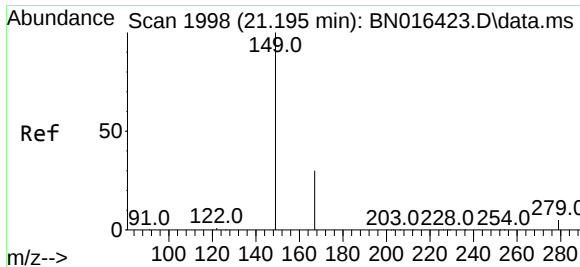
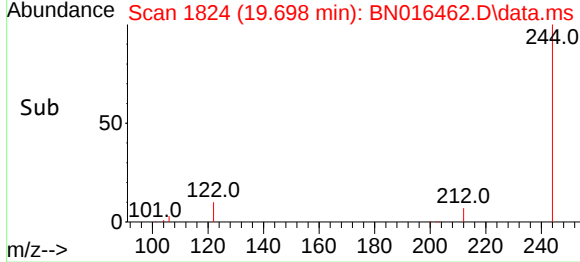
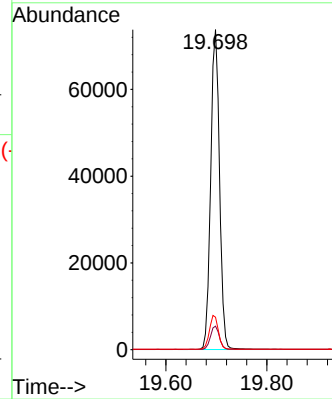
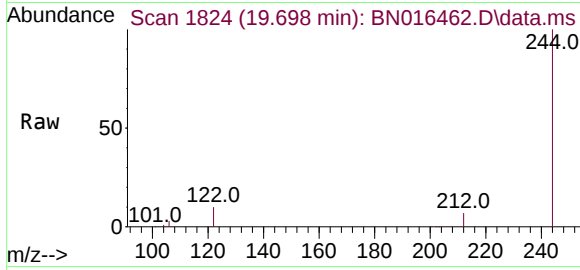




#31  
 Terphenyl-d14  
 Concen: 0.401 ng  
 RT: 19.698 min Scan# 1824  
 Delta R.T. -0.005 min  
 Lab File: BN016462.D  
 Acq: 25 Sep 2021 07:13

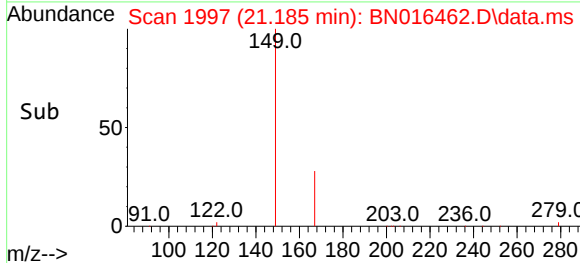
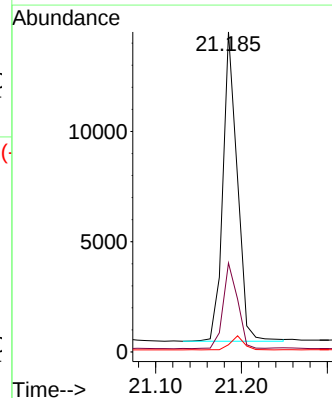
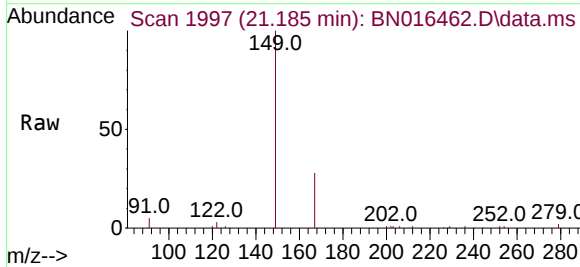
Instrument :  
 BNA\_N  
 ClientSampleId :

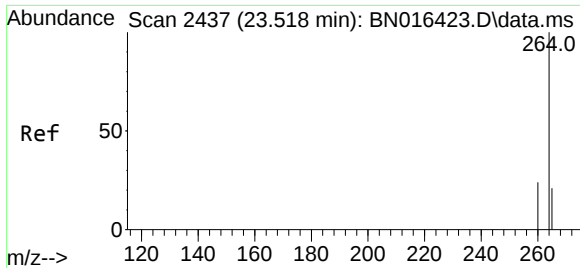
|             |       |          |
|-------------|-------|----------|
| Tgt Ion:244 | Resp: | 89201    |
| Ion Ratio   | Lower | Upper    |
| 244         | 100   |          |
| 212         | 7.4   | 5.5 8.3  |
| 122         | 10.2  | 9.0 13.4 |



#34  
 Bis(2-ethylhexyl)phthalate  
 Concen: 0.215 ng  
 RT: 21.185 min Scan# 1997  
 Delta R.T. -0.011 min  
 Lab File: BN016462.D  
 Acq: 25 Sep 2021 07:13

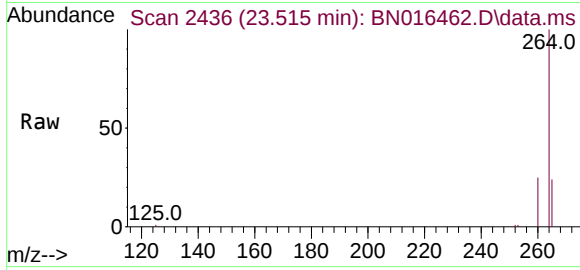
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:149 | Resp: | 16302     |
| Ion Ratio   | Lower | Upper     |
| 149         | 100   |           |
| 167         | 27.9  | 23.4 35.0 |
| 279         | 4.3   | 3.9 5.9   |





#35  
 Perylene-d12  
 Concen: 0.400 ng  
 RT: 23.515 min Scan# 2436  
 Delta R.T. -0.003 min  
 Lab File: BN016462.D  
 Acq: 25 Sep 2021 07:13

Instrument :  
 BNA\_N  
 ClientSampleId :



Tgt Ion:264 Resp: 82325

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 24.5  | 18.9  | 28.3  |
| 265 | 24.0  | 23.7  | 35.5  |

