

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN121720\  
 Data File : BN013205.D  
 Acq On : 18 Dec 2020 05:07  
 Operator : CG/JU  
 Sample : L4996-19DL 2X  
 Misc :  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 RE134D3-20201208DL

Quant Time: Dec 18 06:01:51 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\8270-SIM-BN121620.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Dec 17 12:34:52 2020  
 Response via : Initial Calibration

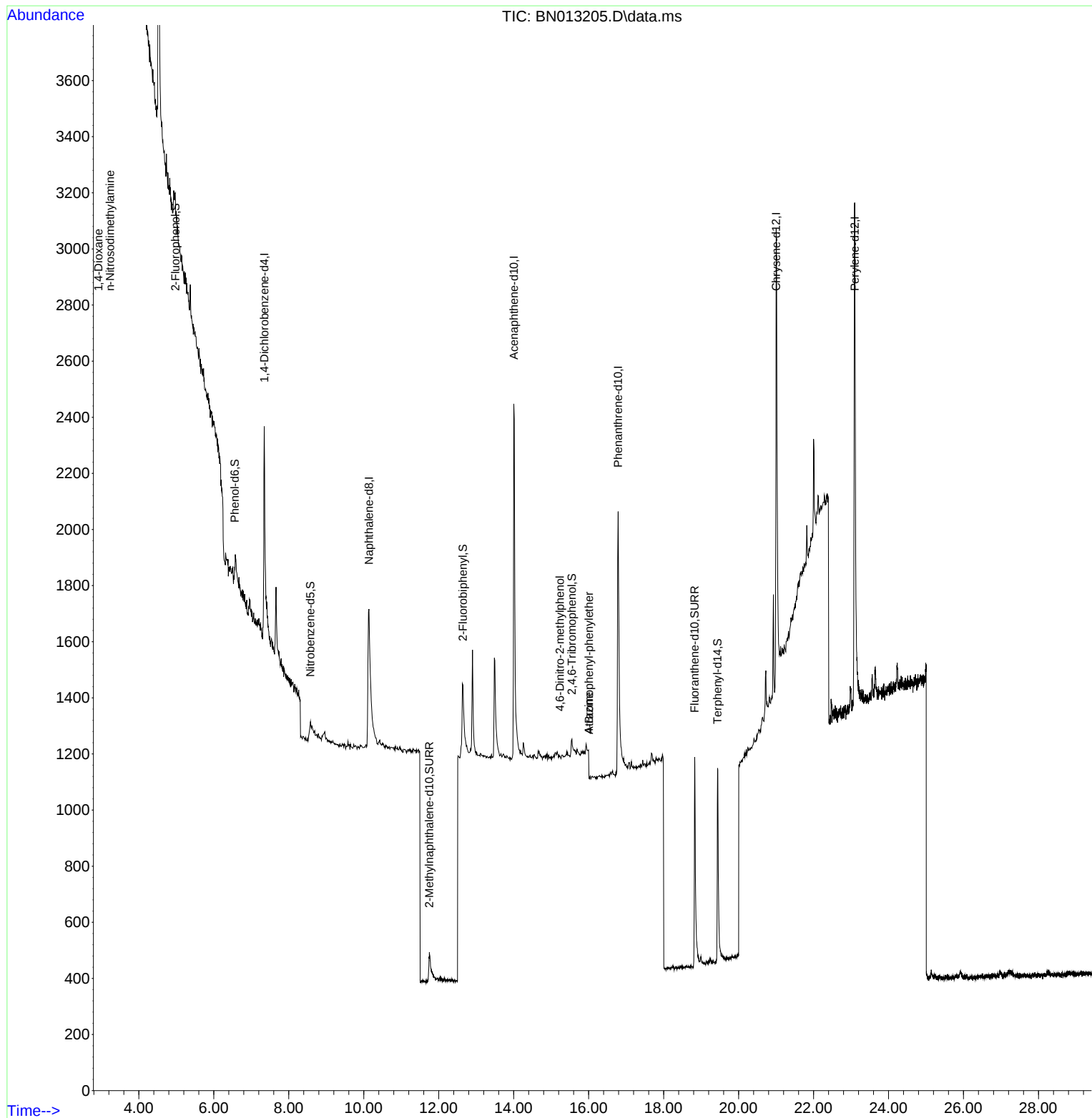
| Compound                      | R.T.   | QIon | Response | Conc      | Units | Dev(Min)  |
|-------------------------------|--------|------|----------|-----------|-------|-----------|
| -----                         |        |      |          |           |       |           |
| Internal Standards            |        |      |          |           |       |           |
| 1) 1,4-Dichlorobenzene-d4     | 7.346  | 152  | 620      | 0.40      | ng    | 0.00      |
| 7) Naphthalene-d8             | 10.137 | 136  | 1782     | 0.40      | ng    | # 0.03    |
| 13) Acenaphthene-d10          | 14.004 | 164  | 1203     | 0.40      | ng    | 0.00      |
| 19) Phenanthrene-d10          | 16.787 | 188  | 2716     | 0.40      | ng    | # 0.01    |
| 29) Chrysene-d12              | 21.003 | 240  | 2828     | 0.40      | ng    | # 0.00    |
| 36) Perylene-d12              | 23.096 | 264  | 3175     | 0.40      | ng    | # 0.00    |
| System Monitoring Compounds   |        |      |          |           |       |           |
| 4) 2-Fluorophenol             | 4.978  | 112  | 106      | 0.04      | ng    | 0.00      |
| 5) Phenol-d6                  | 6.557  | 99   | 52       | 0.02      | ng    | 0.00      |
| 8) Nitrobenzene-d5            | 8.578  | 82   | 163      | 0.09      | ng    | 0.06      |
| 11) 2-Methylnaphthalene-d10   | 11.751 | 152  | 363      | 0.12      | ng    | 0.02      |
| 14) 2,4,6-Tribromophenol      | 15.551 | 330  | 85       | 0.11      | ng    | 0.01      |
| 15) 2-Fluorobiphenyl          | 12.646 | 172  | 538      | 0.11      | ng    | 0.01      |
| 27) Fluoranthene-d10          | 18.828 | 212  | 1479     | 0.17      | ng    | 0.00      |
| 31) Terphenyl-d14             | 19.439 | 244  | 1247     | 0.17      | ng    | -0.01     |
| Target Compounds              |        |      |          |           |       |           |
| 2) 1,4-Dioxane                | 2.925  | 88   | 3733     | 3.45      | ng    | Qvalue 94 |
| 3) n-Nitrosodimethylamine     | 3.231  | 42   | 43       | 0.02      | ng    | # 25      |
| 20) 4,6-Dinitro-2-methylph... | 15.234 | 198  | 1        | 0.19      | ng    | # 1       |
| 21) 4-Bromophenyl-phenylether | 16.008 | 248  | 103      | 0.19      | ng    | # 79      |
| 23) Atrazine                  | 16.008 | 200  | 170      | 0.10      | ng    | # 3       |
| 34) Bis(2-ethylhexyl)phtha... | 20.929 | 149  | 336      | Below Cal |       | # 93      |
| -----                         |        |      |          |           |       |           |

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

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN121720\  
Data File : BN013205.D  
Acq On : 18 Dec 2020 05:07  
Operator : CG/JU  
Sample : L4996-19DL 2X  
Misc :  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
RE134D3-20201208DL

Quant Time: Dec 18 06:01:51 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\8270-SIM-BN121620.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Dec 17 12:34:52 2020  
Response via : Initial Calibration

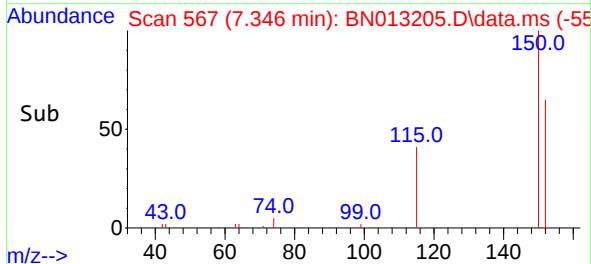
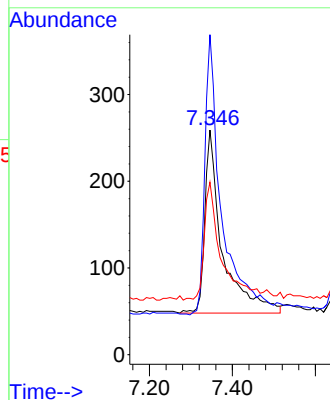
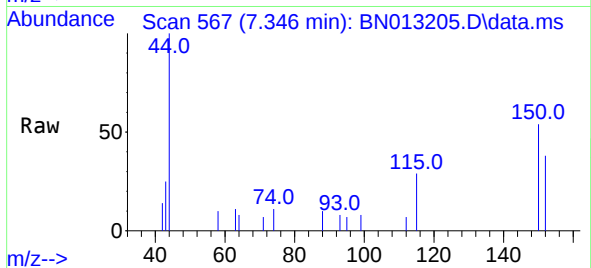




#1  
1,4-Dichlorobenzene-d4  
Concen: 0.40 ng  
RT: 7.346 min Scan# 567  
Delta R.T. -0.000 min  
Lab File: BN013205.D  
Acq: 18 Dec 2020 05:07

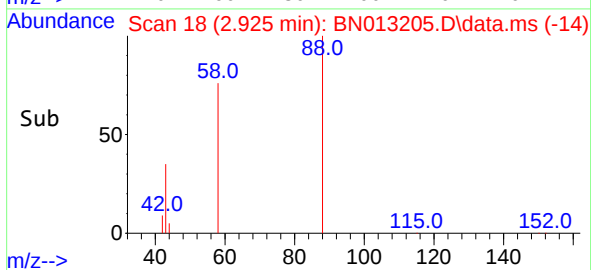
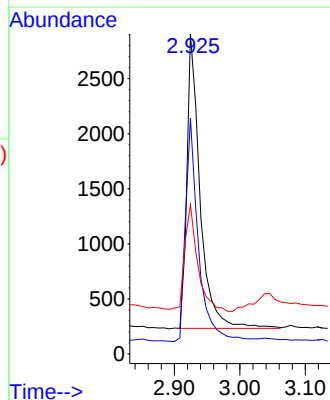
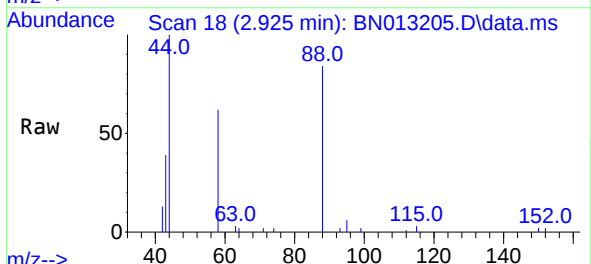
Instrument :  
BNA\_N  
ClientSampleId :  
RE134D3-20201208DL

Tgt Ion:152 Resp: 620  
Ion Ratio Lower Upper  
152 100  
150 142.5 116.6 174.8  
115 76.8 52.9 79.3



#2  
1,4-Dioxane  
Concen: 3.45 ng  
RT: 2.925 min Scan# 18  
Delta R.T. -0.016 min  
Lab File: BN013205.D  
Acq: 18 Dec 2020 05:07

Tgt Ion: 88 Resp: 3733  
Ion Ratio Lower Upper  
88 100  
58 69.9 59.4 89.2  
43 34.9 32.3 48.5

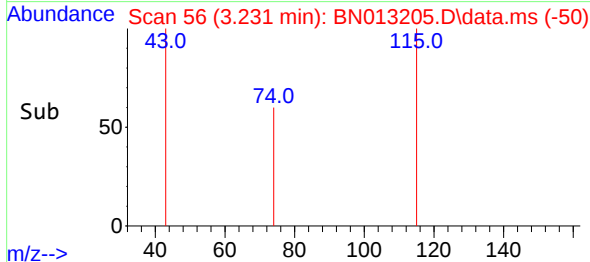
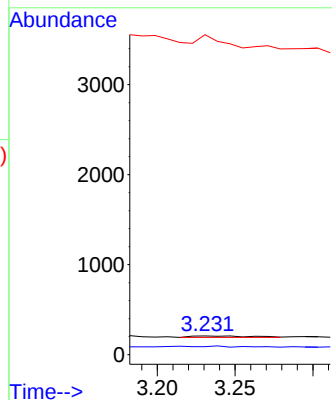
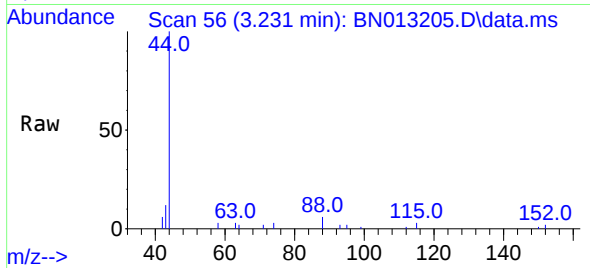




#3  
n-Nitrosodimethylamine  
Concen: 0.02 ng  
RT: 3.231 min Scan# 56  
Delta R.T. -0.048 min  
Lab File: BN013205.D  
Acq: 18 Dec 2020 05:07

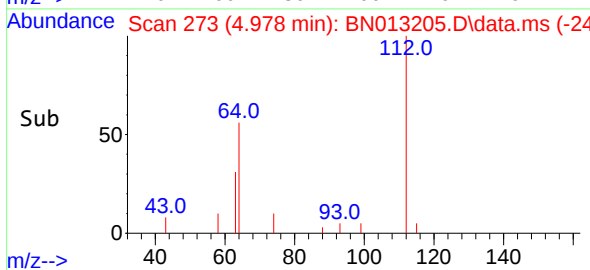
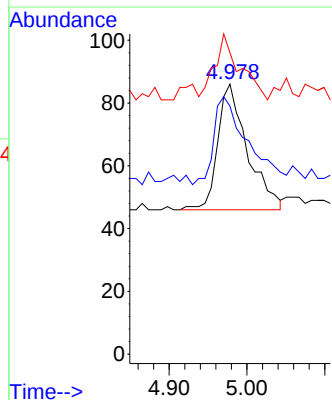
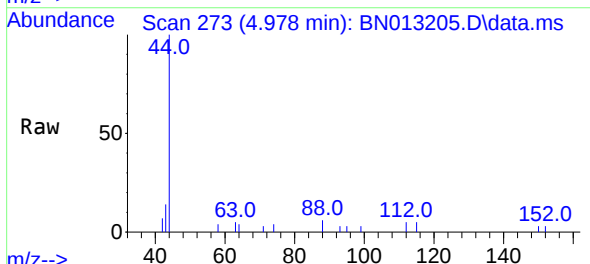
Instrument :  
BNA\_N  
ClientSampleId :  
RE134D3-20201208DL

Tgt Ion: 42 Resp: 43  
Ion Ratio Lower Upper  
42 100  
74 11.6 64.4 96.6#  
44 0.0 2.8 4.2#



#4  
2-Fluorophenol  
Concen: 0.04 ng  
RT: 4.978 min Scan# 273  
Delta R.T. 0.008 min  
Lab File: BN013205.D  
Acq: 18 Dec 2020 05:07

Tgt Ion: 112 Resp: 106  
Ion Ratio Lower Upper  
112 100  
64 80.2 49.5 74.3#  
63 44.3 32.0 48.0

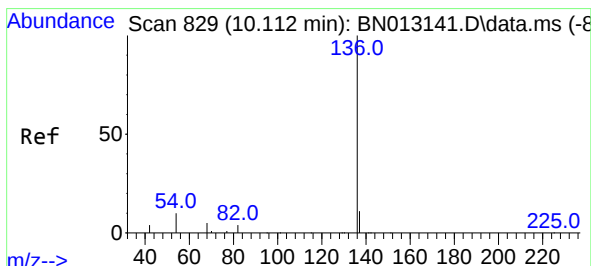
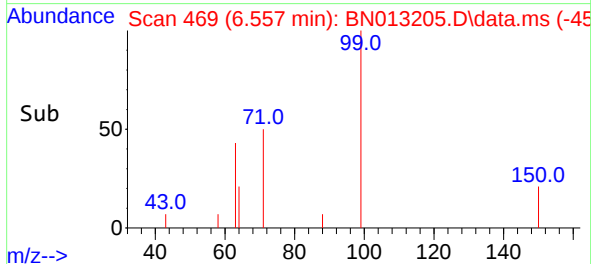
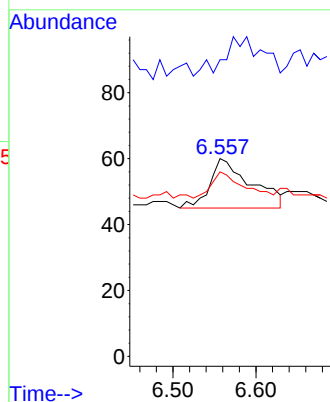
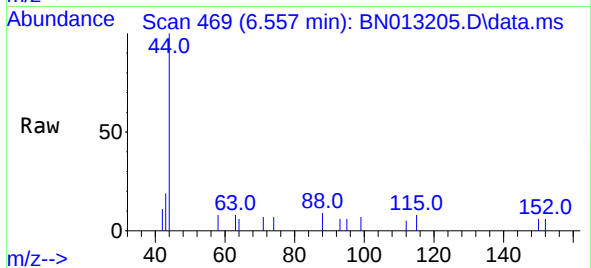




#5  
Phenol-d6  
Concen: 0.02 ng  
RT: 6.557 min Scan# 469  
Delta R.T. 0.008 min  
Lab File: BN013205.D  
Acq: 18 Dec 2020 05:07

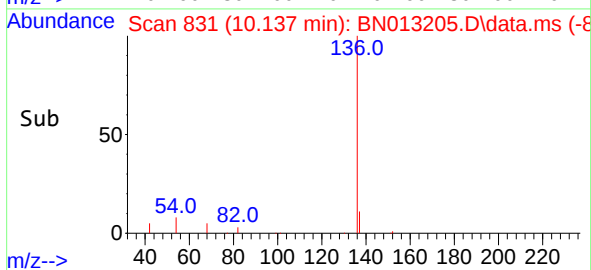
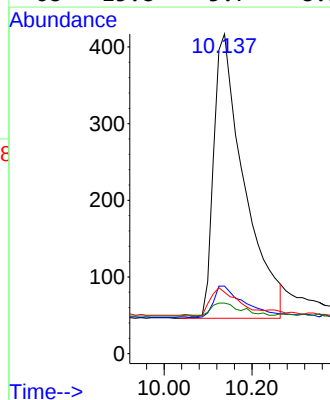
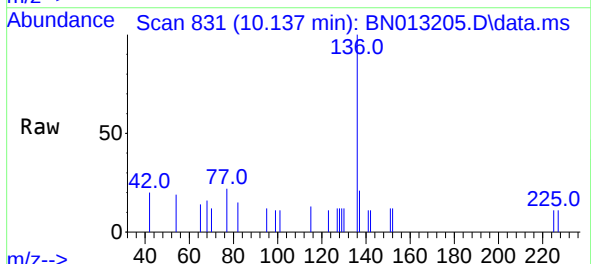
Instrument :  
BNA\_N  
ClientSampleId :  
RE134D3-20201208DL

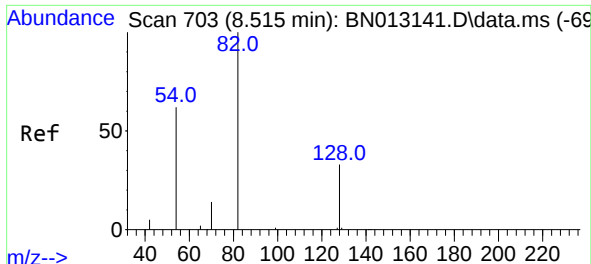
Tgt Ion: 99 Resp: 52  
Ion Ratio Lower Upper  
99 100  
42 7.7 22.4 33.6#  
71 40.4 37.8 56.6



#7  
Naphthalene-d8  
Concen: 0.40 ng  
RT: 10.137 min Scan# 831  
Delta R.T. 0.025 min  
Lab File: BN013205.D  
Acq: 18 Dec 2020 05:07

Tgt Ion: 136 Resp: 1782  
Ion Ratio Lower Upper  
136 100  
137 21.1 10.6 15.8#  
54 19.2 8.6 12.8#  
68 15.8 5.7 8.5#

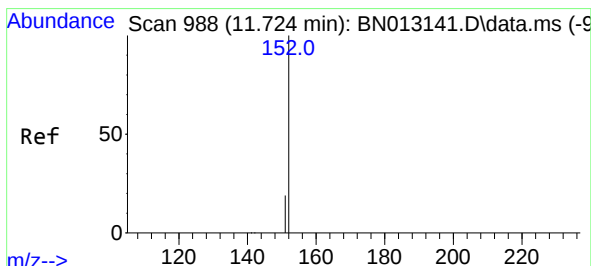
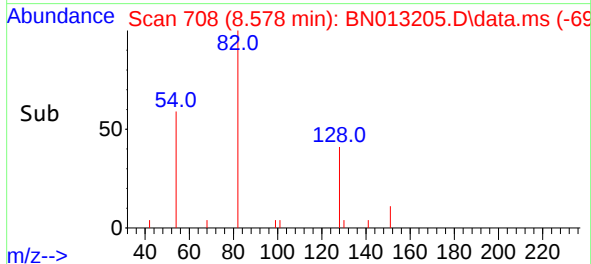
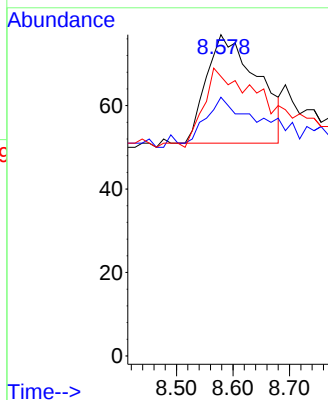
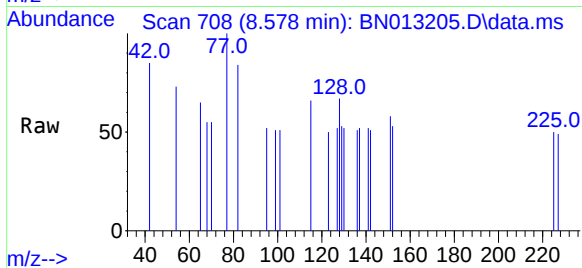




#8  
Nitrobenzene-d5  
Concen: 0.09 ng  
RT: 8.578 min Scan# 708  
Delta R.T. 0.063 min  
Lab File: BN013205.D  
Acq: 18 Dec 2020 05:07

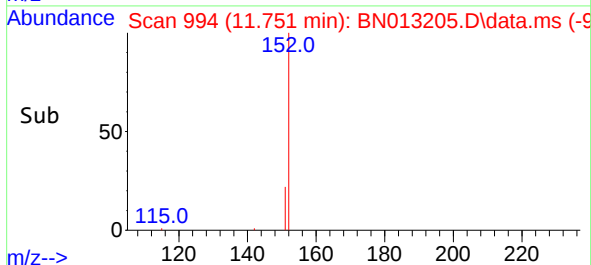
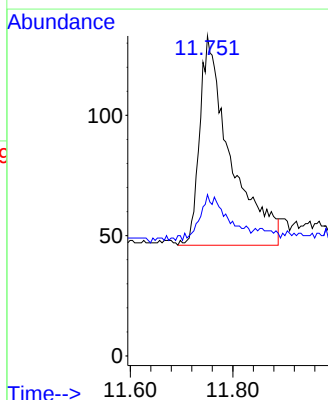
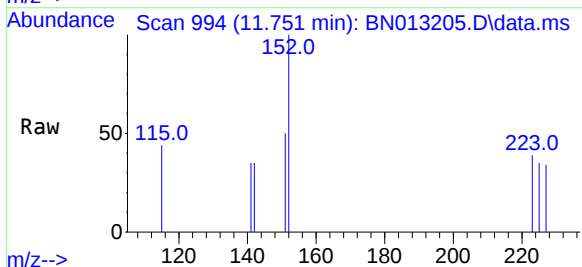
Instrument :  
BNA\_N  
ClientSampleId :  
RE134D3-20201208DL

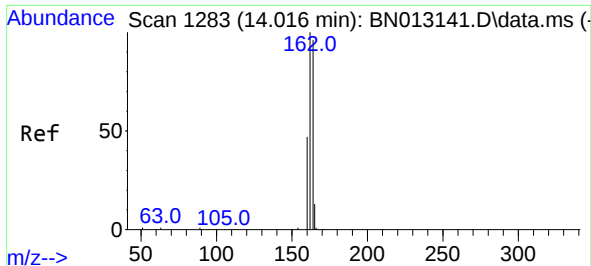
Tgt Ion: 82 Resp: 163  
Ion Ratio Lower Upper  
82 100  
128 80.5 30.6 46.0#  
54 87.0 48.3 72.5#



#11  
2-Methylnaphthalene-d10  
Concen: 0.12 ng  
RT: 11.751 min Scan# 994  
Delta R.T. 0.022 min  
Lab File: BN013205.D  
Acq: 18 Dec 2020 05:07

Tgt Ion:152 Resp: 363  
Ion Ratio Lower Upper  
152 100  
151 8.5 16.7 25.1#



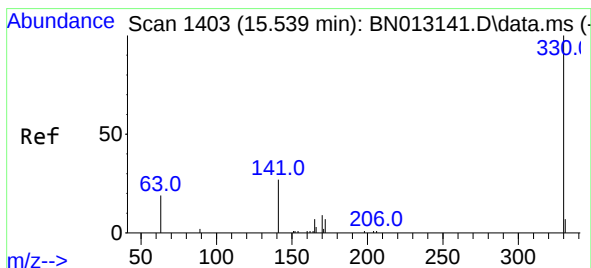
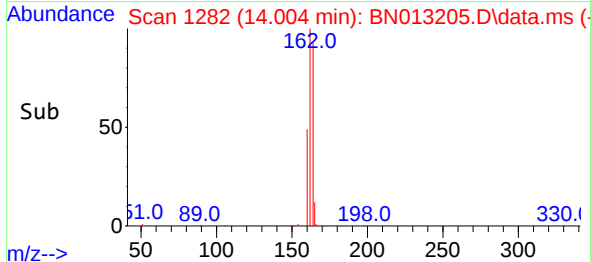
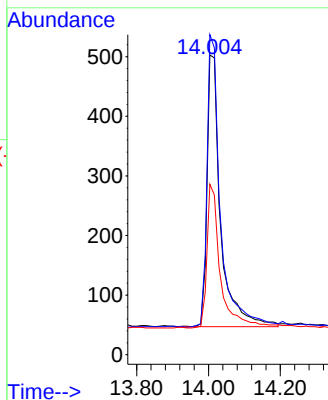
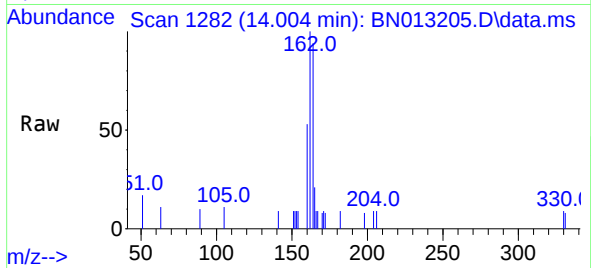


#13  
Acenaphthene-d10  
Concen: 0.40 ng  
RT: 14.004 min Scan# 1282  
Delta R.T. 0.000 min  
Lab File: BN013205.D  
Acq: 18 Dec 2020 05:07

Instrument :  
BNA\_N  
ClientSampleId :  
RE134D3-20201208DL

Tgt Ion:164 Resp: 1203

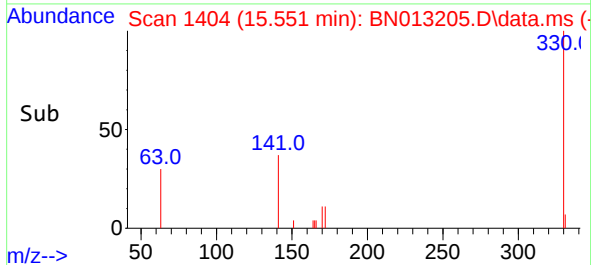
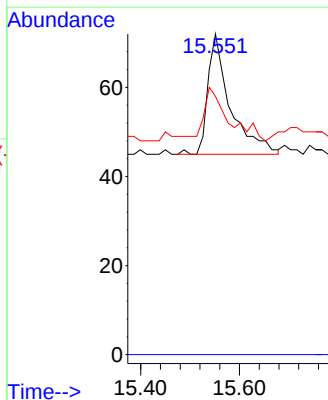
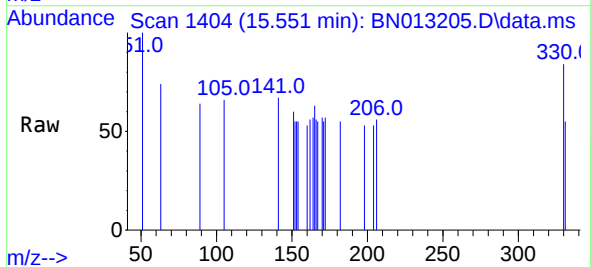
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 162 | 106.8 | 80.6  | 120.8 |
| 160 | 56.9  | 39.5  | 59.3  |

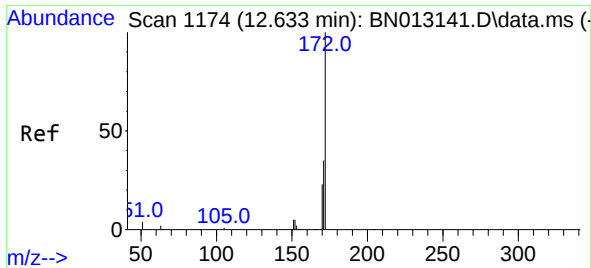


#14  
2,4,6-Tribromophenol  
Concen: 0.11 ng  
RT: 15.551 min Scan# 1404  
Delta R.T. 0.013 min  
Lab File: BN013205.D  
Acq: 18 Dec 2020 05:07

Tgt Ion:330 Resp: 85

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 330 | 100   |       |       |
| 332 | 0.0   | 0.0   | 0.0   |
| 141 | 47.1  | 34.4  | 51.6  |

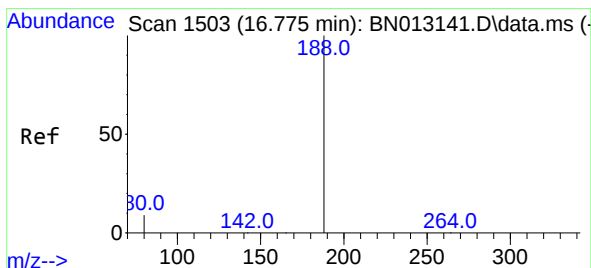
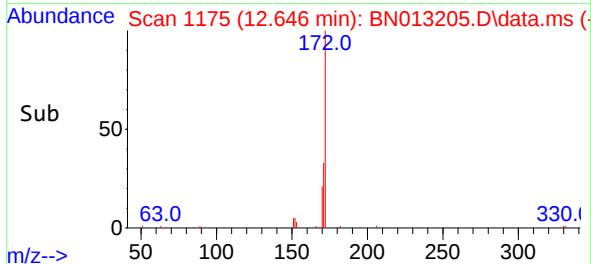
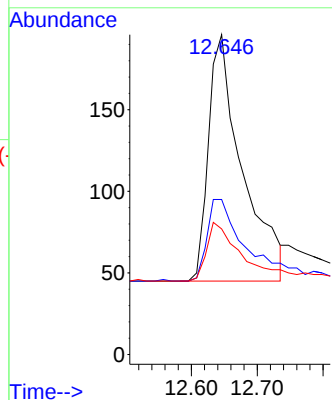
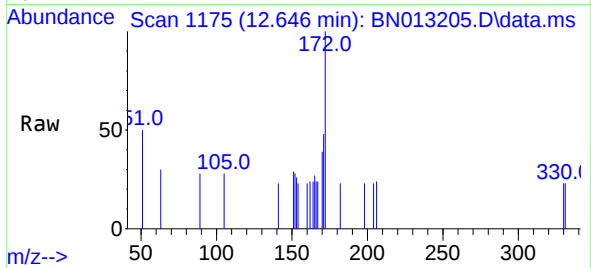




#15  
2-Fluorobiphenyl  
Concen: 0.11 ng  
RT: 12.646 min Scan# 1175  
Delta R.T. 0.013 min  
Lab File: BN013205.D  
Acq: 18 Dec 2020 05:07

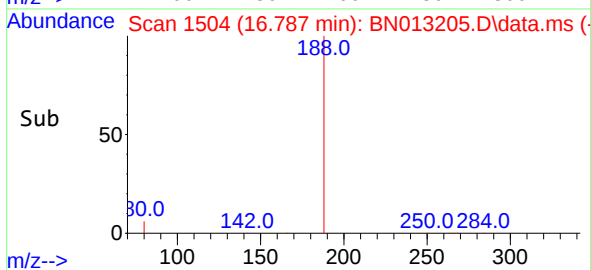
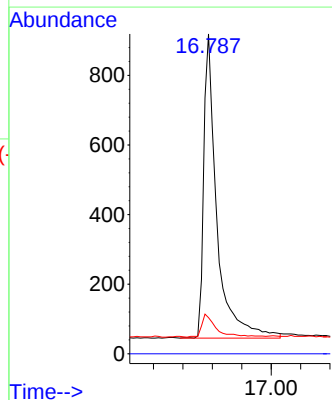
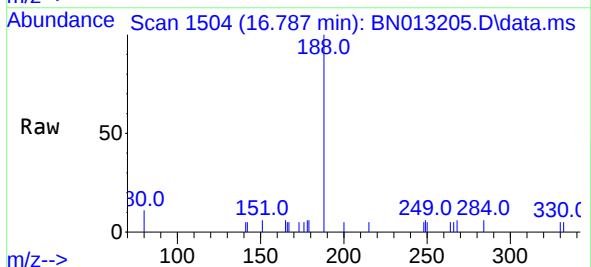
Instrument :  
BNA\_N  
ClientSampleId :  
RE134D3-20201208DL

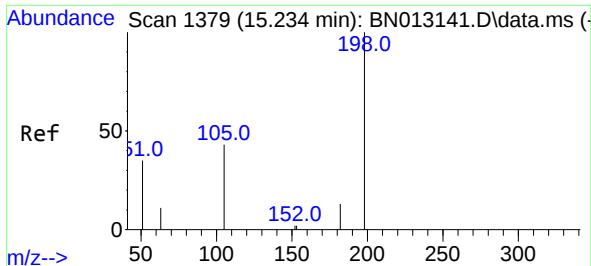
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 172   | Resp: | 538   |
| Ion      | Ratio | Lower | Upper |
| 172      | 100   |       |       |
| 171      | 48.5  | 28.2  | 42.4# |
| 170      | 39.3  | 20.0  | 30.0# |



#19  
Phenanthrene-d10  
Concen: 0.40 ng  
RT: 16.787 min Scan# 1504  
Delta R.T. 0.012 min  
Lab File: BN013205.D  
Acq: 18 Dec 2020 05:07

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 188   | Resp: | 2716  |
| Ion      | Ratio | Lower | Upper |
| 188      | 100   |       |       |
| 94       | 0.0   | 0.0   | 0.0   |
| 80       | 11.3  | 5.0   | 7.4#  |

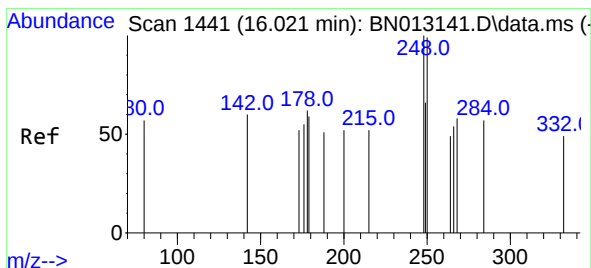
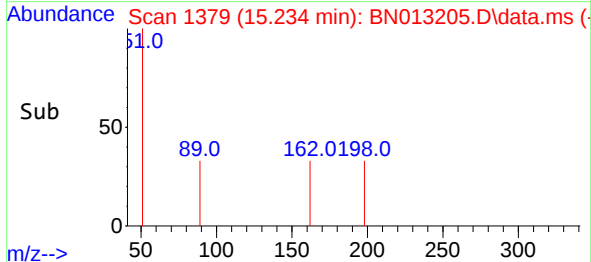
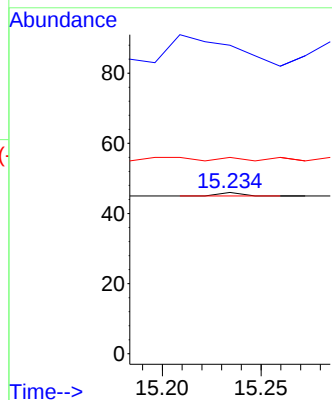
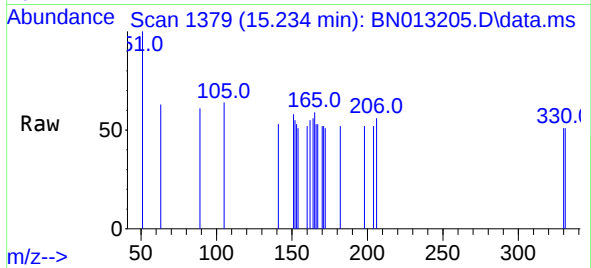




#20  
4,6-Dinitro-2-methylphenol  
Concen: 0.19 ng  
RT: 15.234 min Scan# 1379  
Delta R.T. -0.013 min  
Lab File: BN013205.D  
Acq: 18 Dec 2020 05:07

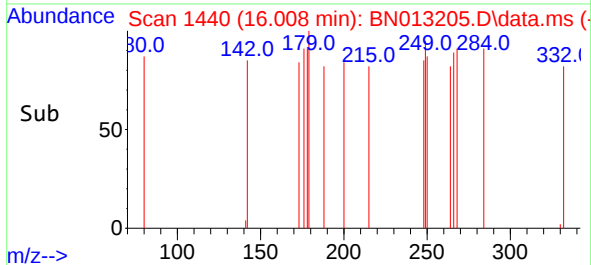
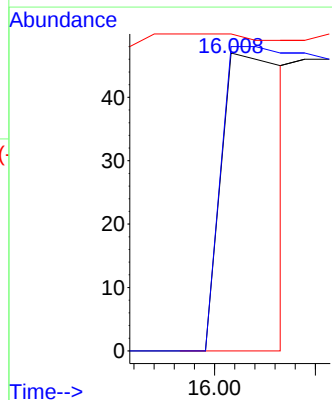
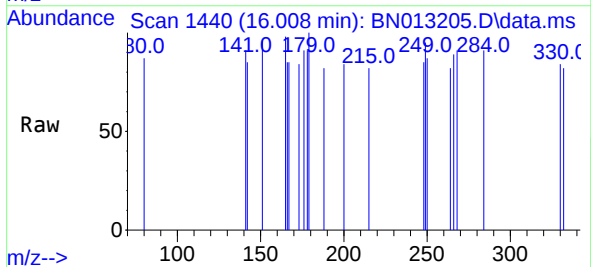
Instrument :  
BNA\_N  
ClientSampleId :  
RE134D3-20201208DL

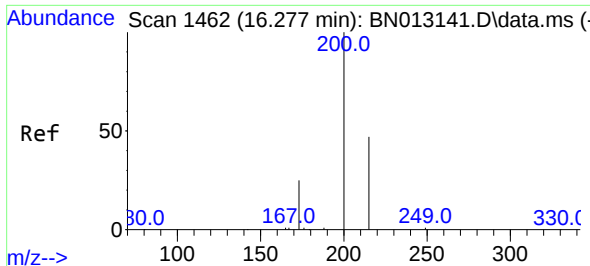
Tgt Ion:198 Resp: 1  
Ion Ratio Lower Upper  
198 100  
51 191.3 43.5 65.3#  
105 121.7 27.2 40.8#



#21  
4-Bromophenyl-phenylether  
Concen: 0.19 ng  
RT: 16.008 min Scan# 1440  
Delta R.T. -0.013 min  
Lab File: BN013205.D  
Acq: 18 Dec 2020 05:07

Tgt Ion:248 Resp: 103  
Ion Ratio Lower Upper  
248 100  
250 102.1 77.3 115.9  
141 106.4 57.8 86.8#

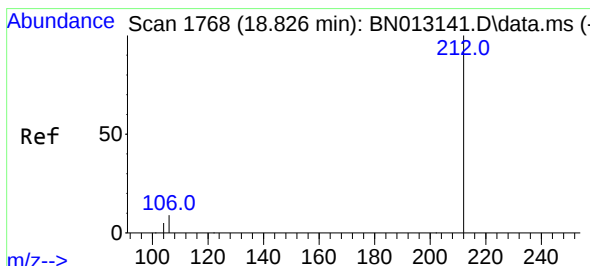
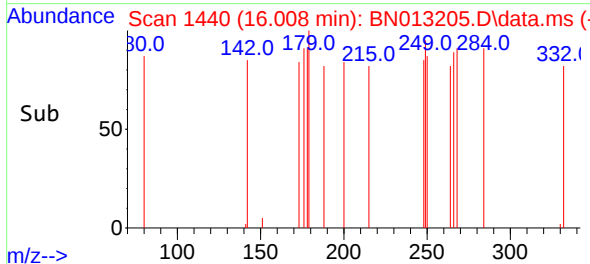
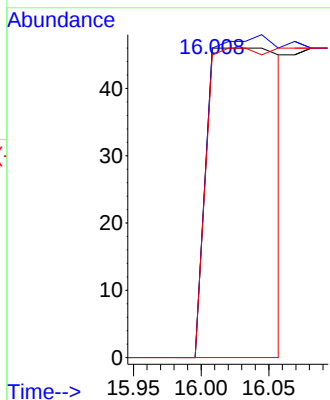
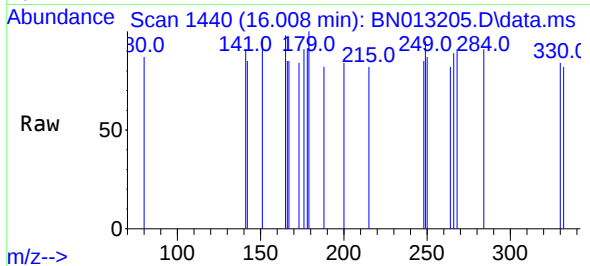




#23  
Atrazine  
Concen: 0.10 ng  
RT: 16.008 min Scan# 1440  
Delta R.T. -0.268 min  
Lab File: BN013205.D  
Acq: 18 Dec 2020 05:07

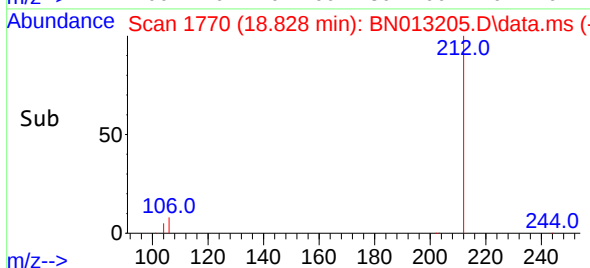
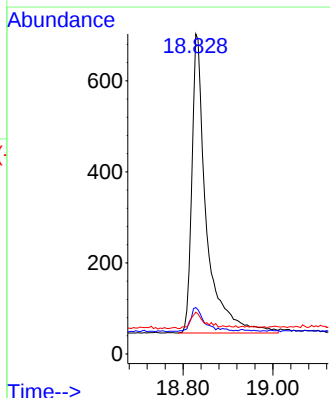
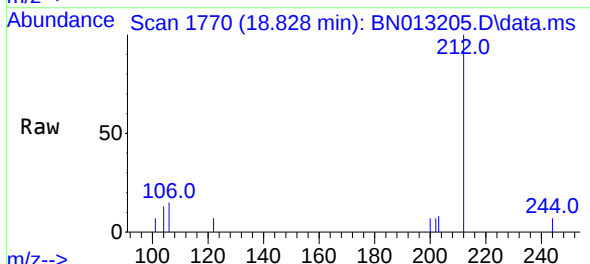
Instrument :  
BNA\_N  
ClientSampleId :  
RE134D3-20201208DL

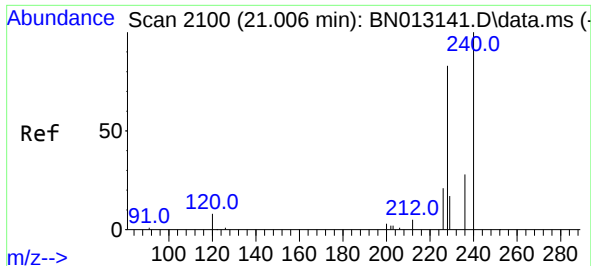
Tgt Ion:200 Resp: 170  
Ion Ratio Lower Upper  
200 100  
173 100.0 22.8 34.2#  
215 97.8 38.1 57.1#



#27  
Fluoranthene-d10  
Concen: 0.17 ng  
RT: 18.828 min Scan# 1770  
Delta R.T. 0.002 min  
Lab File: BN013205.D  
Acq: 18 Dec 2020 05:07

Tgt Ion:212 Resp: 1479  
Ion Ratio Lower Upper  
212 100  
106 6.9 6.8 10.2  
104 4.3 4.1 6.1

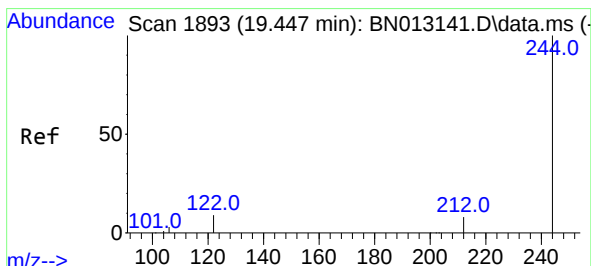
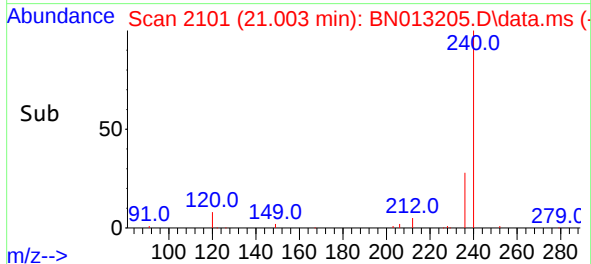
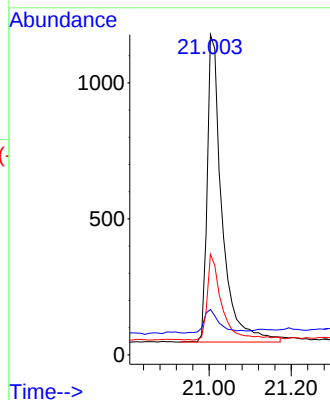
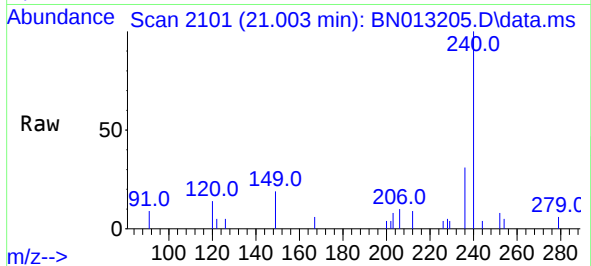




#29  
Chrysene-d12  
Concen: 0.40 ng  
RT: 21.003 min Scan# 2101  
Delta R.T. -0.003 min  
Lab File: BN013205.D  
Acq: 18 Dec 2020 05:07

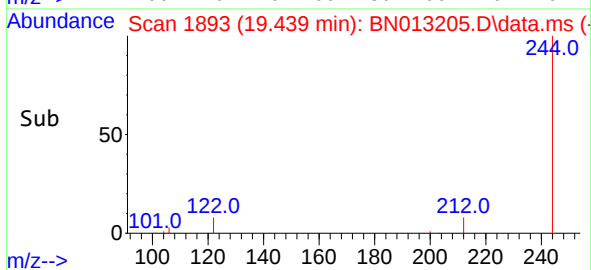
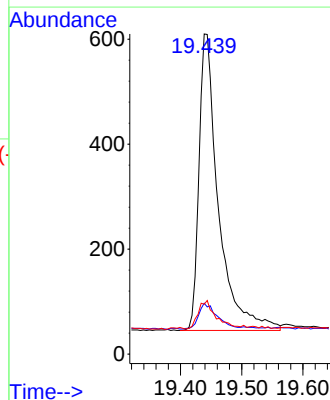
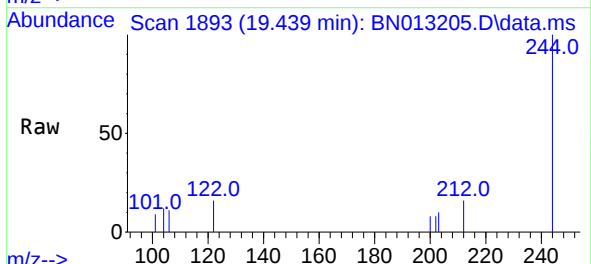
Instrument :  
BNA\_N  
ClientSampleId :  
RE134D3-20201208DL

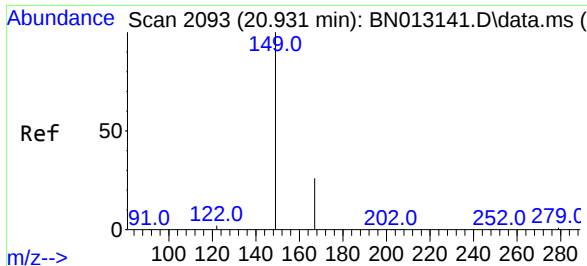
Tgt Ion:240 Resp: 2828  
Ion Ratio Lower Upper  
240 100  
120 14.2 5.3 7.9#  
236 31.4 21.8 32.8



#31  
Terphenyl-d14  
Concen: 0.17 ng  
RT: 19.439 min Scan# 1893  
Delta R.T. -0.013 min  
Lab File: BN013205.D  
Acq: 18 Dec 2020 05:07

Tgt Ion:244 Resp: 1247  
Ion Ratio Lower Upper  
244 100  
212 15.9 7.3 10.9#  
122 15.6 7.3 10.9#

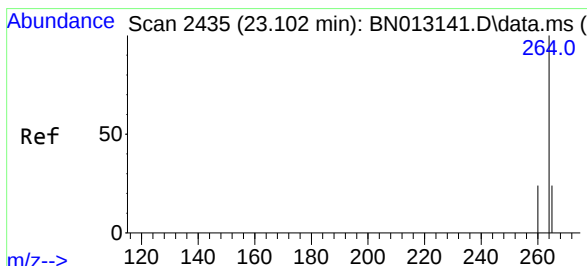
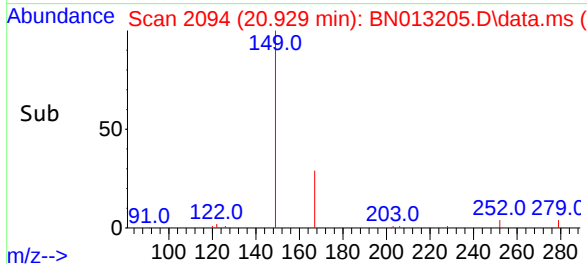
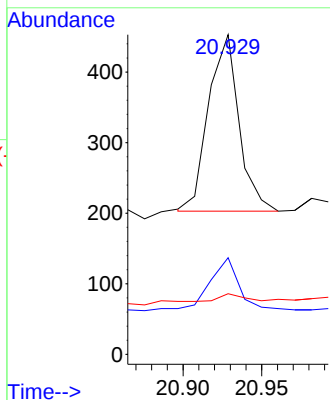
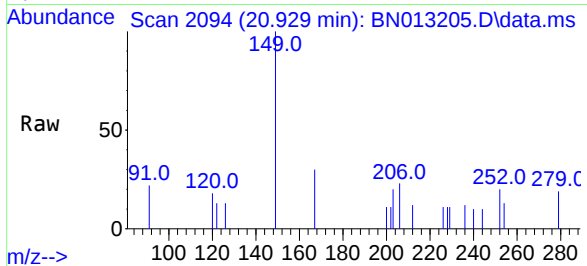




#34  
Bis(2-ethylhexyl)phthalate  
Concen: Below Cal  
RT: 20.929 min Scan# 2094  
Delta R.T. -0.003 min  
Lab File: BN013205.D  
Acq: 18 Dec 2020 05:07

Instrument :  
BNA\_N  
ClientSampleId :  
RE134D3-20201208DL

Tgt Ion:149 Resp: 336  
Ion Ratio Lower Upper  
149 100  
167 25.3 23.2 34.8  
279 3.3 3.9 5.9#



#36  
Perylene-d12  
Concen: 0.40 ng  
RT: 23.096 min Scan# 2435  
Delta R.T. -0.003 min  
Lab File: BN013205.D  
Acq: 18 Dec 2020 05:07

Tgt Ion:264 Resp: 3175  
Ion Ratio Lower Upper  
264 100  
260 26.5 19.8 29.6  
265 79.8 51.4 77.0#

