

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN070721\  
 Data File : BN015392.D  
 Acq On : 08 Jul 2021 04:09  
 Operator : CG/JU  
 Sample : M2939-10  
 Misc :  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :

Quant Time: Jul 08 06:45:40 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\8270-SIM-BN063021.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jul 07 11:11:38 2021  
 Response via : Initial Calibration

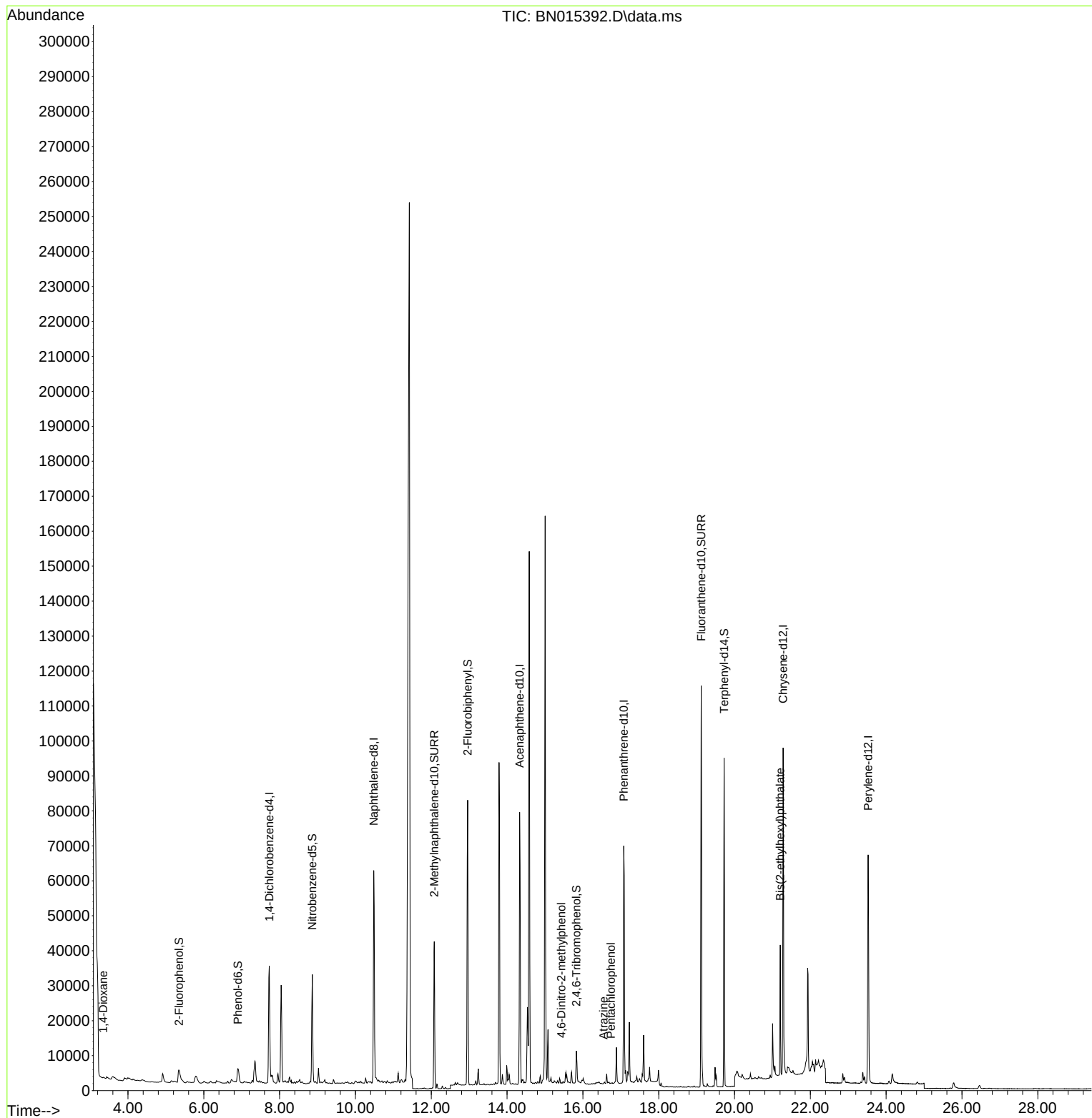
| Compound                      | R.T.   | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|------|----------|------|-------|----------|
| -----                         |        |      |          |      |       |          |
| Internal Standards            |        |      |          |      |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.725  | 152  | 18985    | 0.40 | ng    | # 0.00   |
| 7) Naphthalene-d8             | 10.482 | 136  | 87139    | 0.40 | ng    | # 0.00   |
| 13) Acenaphthene-d10          | 14.332 | 164  | 48611    | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10          | 17.078 | 188  | 98318    | 0.40 | ng    | # 0.00   |
| 29) Chrysene-d12              | 21.280 | 240  | 89218    | 0.40 | ng    | #-0.01   |
| 35) Perylene-d12              | 23.525 | 264  | 84986    | 0.40 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |      |       |          |
| 4) 2-Fluorophenol             | 5.346  | 112  | 7236     | 0.15 | ng    | 0.00     |
| 5) Phenol-d6                  | 6.895  | 99   | 5167     | 0.08 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 8.860  | 82   | 26443    | 0.54 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10   | 12.078 | 152  | 55285    | 0.38 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 15.829 | 330  | 6161     | 0.51 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl          | 12.962 | 172  | 74906    | 0.38 | ng    | 0.00     |
| 27) Fluoranthene-d10          | 19.122 | 212  | 123469   | 0.43 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.723 | 244  | 91668    | 0.44 | ng    | 0.00     |
| Target Compounds              |        |      |          |      |       |          |
| 2) 1,4-Dioxane                | 3.345  | 88   | 533      | 0.06 | ng    | # 63     |
| 20) 4,6-Dinitro-2-methylph... | 15.436 | 198  | 61       | 0.23 | ng    | # 1      |
| 23) Atrazine                  | 16.543 | 200  | 24       | 0.17 | ng    | # 1      |
| 24) Pentachlorophenol         | 16.737 | 266  | 61       | 0.25 | ng    | # 81     |
| 34) Bis(2-ethylhexyl)phtha... | 21.206 | 149  | 31375    | 0.44 | ng    | # 88     |
| -----                         |        |      |          |      |       |          |

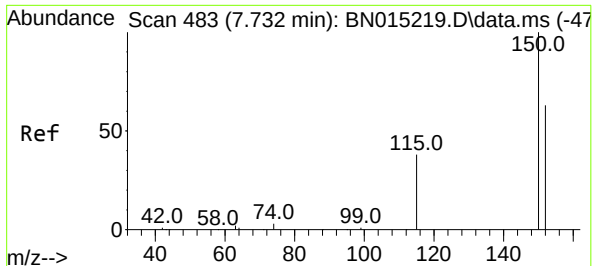
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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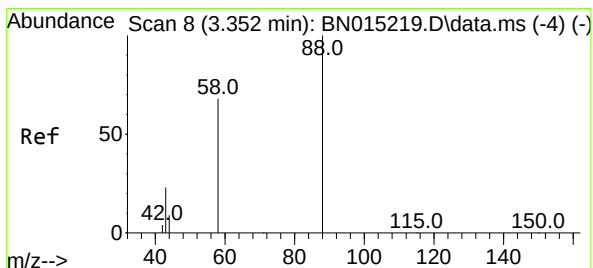
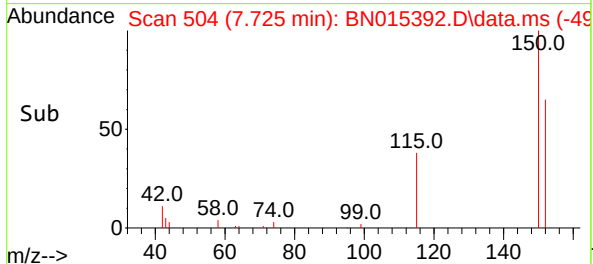
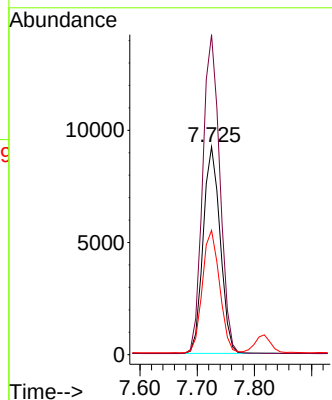
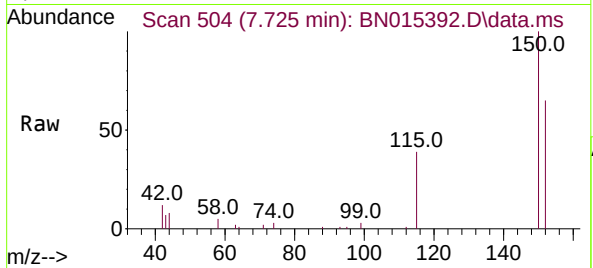




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 0.40 ng  
 RT: 7.725 min Scan# 504  
 Delta R.T. 0.000 min  
 Lab File: BN015392.D  
 Acq: 08 Jul 2021 04:09

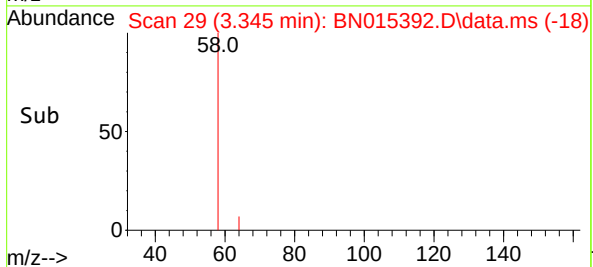
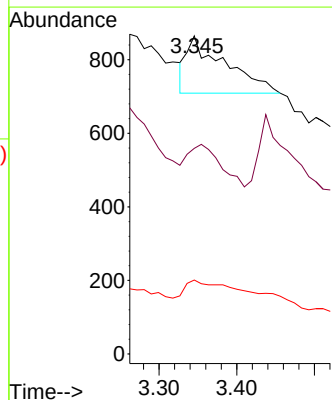
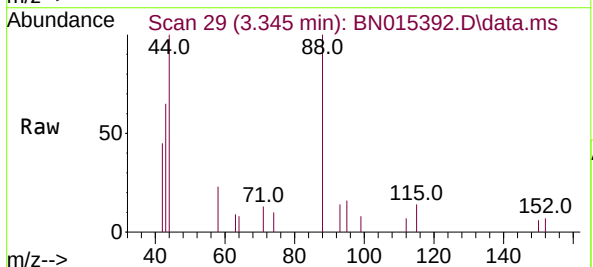
Instrument :  
 BNA\_N  
 ClientSampleId :

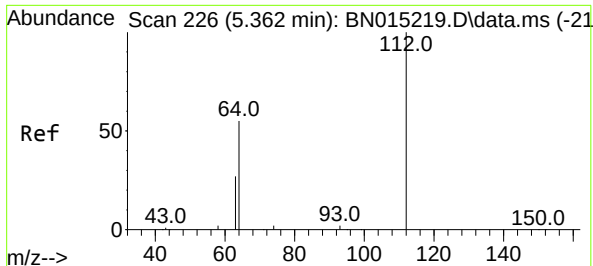
Tgt Ion:152 Resp: 18985  
 Ion Ratio Lower Upper  
 152 100  
 150 153.9 119.0 178.6  
 115 59.8 62.2 93.4#



#2  
 1,4-Dioxane  
 Concen: 0.06 ng  
 RT: 3.345 min Scan# 29  
 Delta R.T. -0.000 min  
 Lab File: BN015392.D  
 Acq: 08 Jul 2021 04:09

Tgt Ion: 88 Resp: 533  
 Ion Ratio Lower Upper  
 88 100  
 43 62.3 12.9 19.3#  
 58 38.6 38.1 57.1

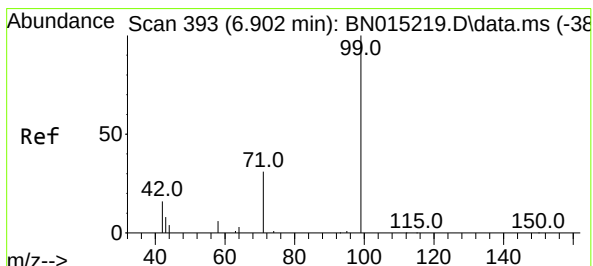
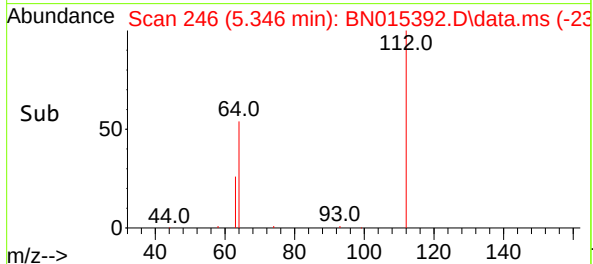
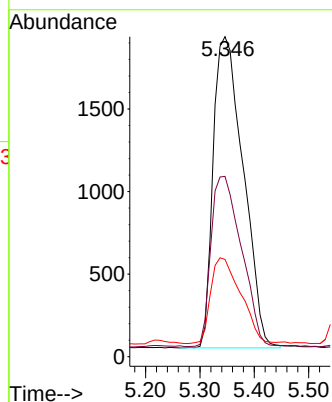
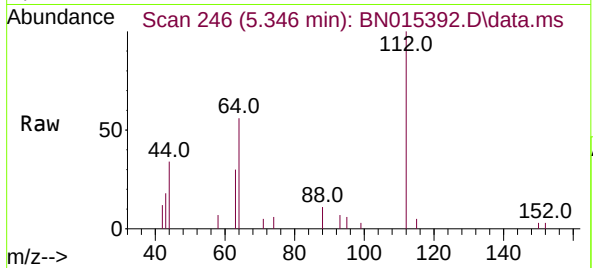




#4  
2-Fluorophenol  
Concen: 0.15 ng  
RT: 5.346 min Scan# 246  
Delta R.T. 0.009 min  
Lab File: BN015392.D  
Acq: 08 Jul 2021 04:09

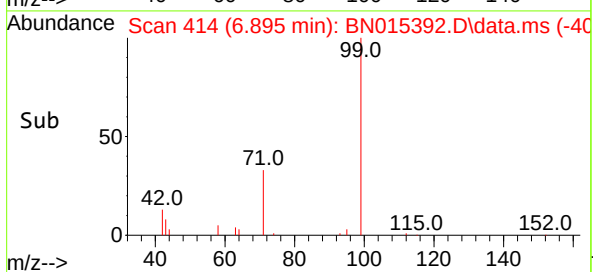
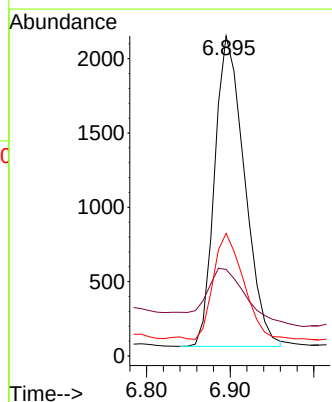
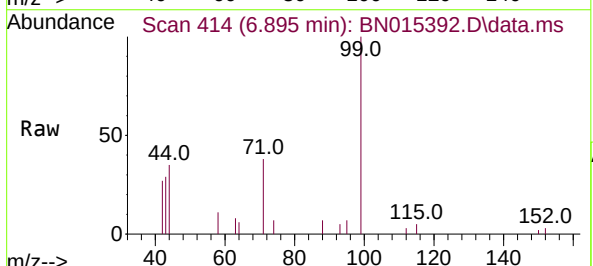
Instrument :  
BNA\_N  
ClientSampled :

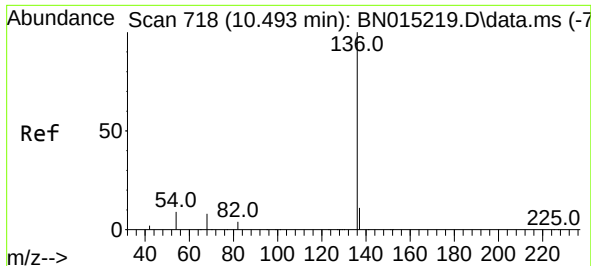
Tgt Ion:112 Resp: 7236  
Ion Ratio Lower Upper  
112 100  
64 55.4 39.0 58.6  
63 27.5 20.6 30.8



#5  
Phenol-d6  
Concen: 0.08 ng  
RT: 6.895 min Scan# 414  
Delta R.T. -0.000 min  
Lab File: BN015392.D  
Acq: 08 Jul 2021 04:09

Tgt Ion: 99 Resp: 5167  
Ion Ratio Lower Upper  
99 100  
42 20.7 8.9 13.3#  
71 33.9 35.6 53.4#

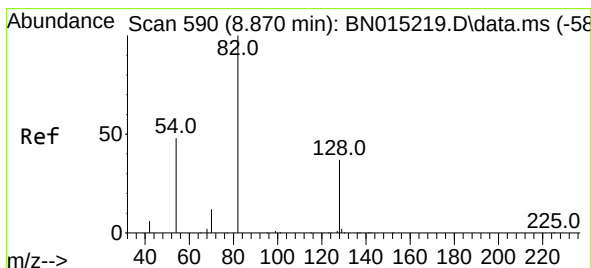
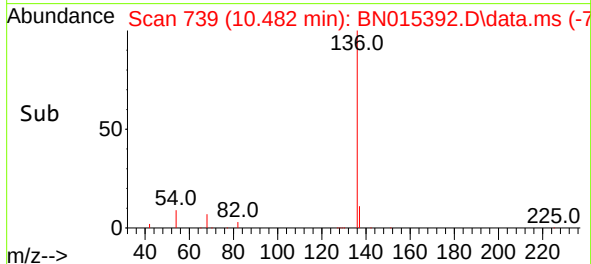
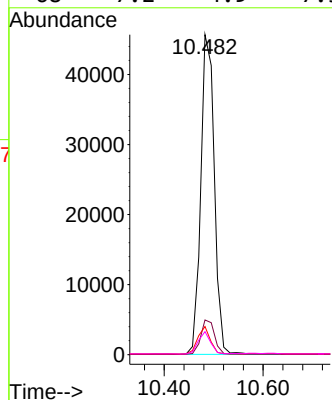
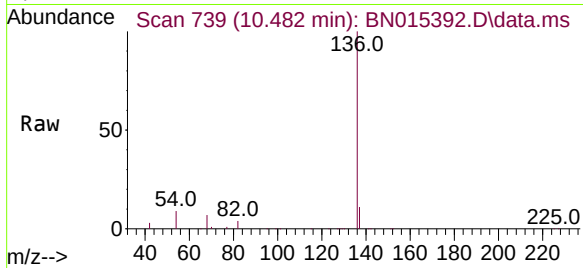




#7  
Naphthalene-d8  
Concen: 0.40 ng  
RT: 10.482 min Scan# 739  
Delta R.T. -0.000 min  
Lab File: BN015392.D  
Acq: 08 Jul 2021 04:09

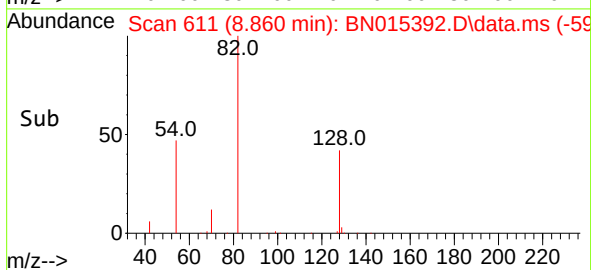
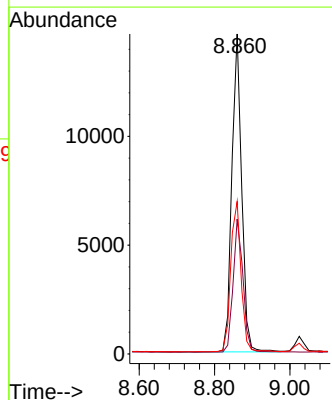
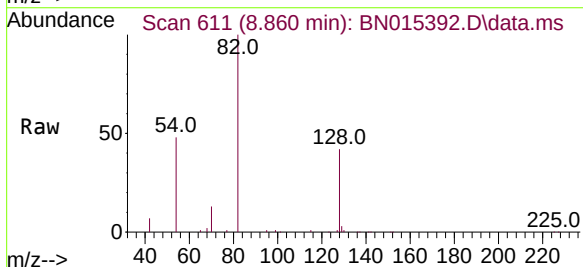
Instrument :  
BNA\_N  
ClientSampleId :

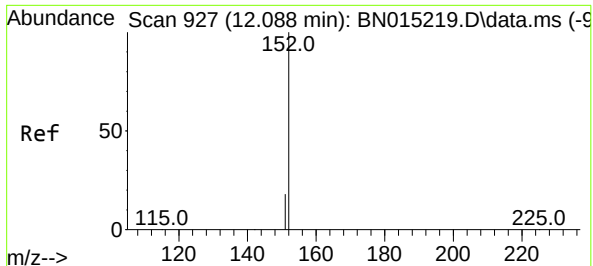
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 136   | Resp: | 87139 |
| Ion Ratio | Lower | Upper |       |
| 136       | 100   |       |       |
| 137       | 10.9  | 9.8   | 14.8  |
| 54        | 8.8   | 5.4   | 8.2#  |
| 68        | 7.2   | 4.9   | 7.3   |



#8  
Nitrobenzene-d5  
Concen: 0.54 ng  
RT: 8.860 min Scan# 611  
Delta R.T. -0.000 min  
Lab File: BN015392.D  
Acq: 08 Jul 2021 04:09

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 82    | Resp: | 26443 |
| Ion Ratio | Lower | Upper |       |
| 82        | 100   |       |       |
| 128       | 42.2  | 31.6  | 47.4  |
| 54        | 47.7  | 29.0  | 43.4# |

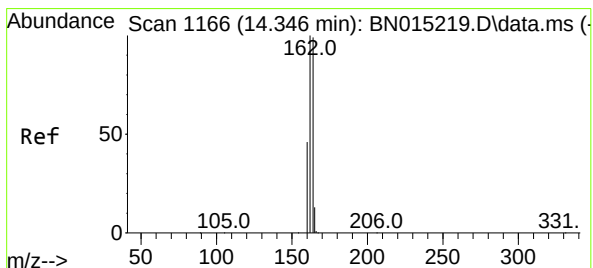
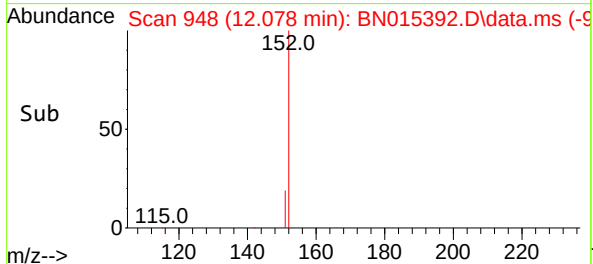
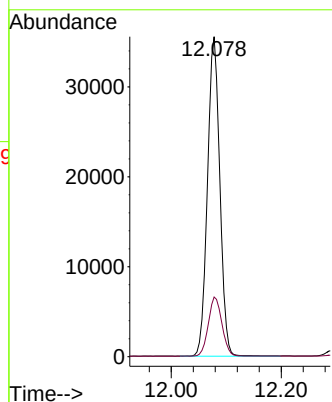
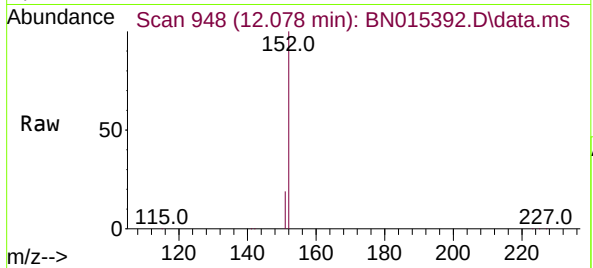




#11  
2-Methylnaphthalene-d10  
Concen: 0.38 ng  
RT: 12.078 min Scan# 948  
Delta R.T. -0.000 min  
Lab File: BN015392.D  
Acq: 08 Jul 2021 04:09

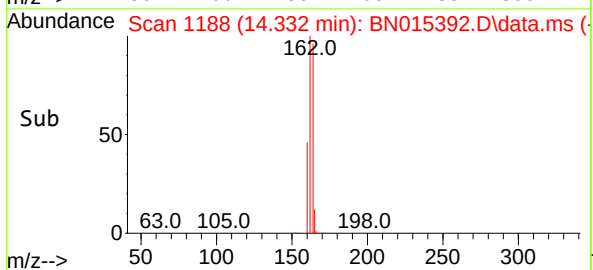
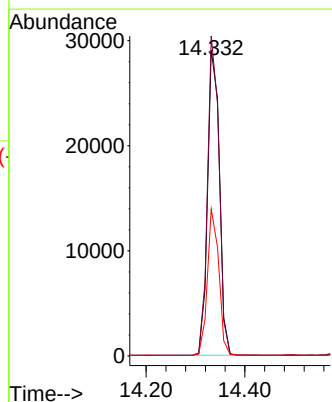
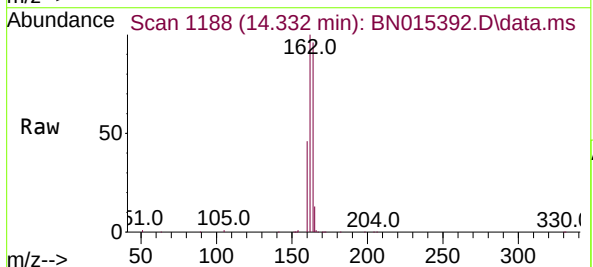
Instrument :  
BNA\_N  
ClientSampleId :

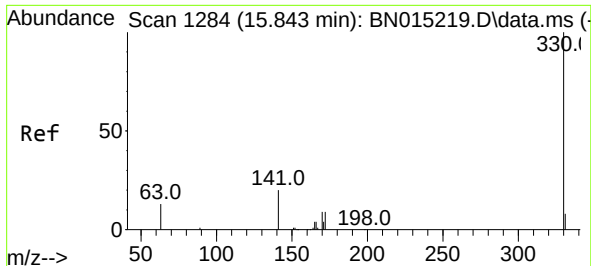
Tgt Ion:152 Resp: 55285  
Ion Ratio Lower Upper  
152 100  
151 20.3 16.7 25.1



#13  
Acenaphthene-d10  
Concen: 0.40 ng  
RT: 14.332 min Scan# 1188  
Delta R.T. -0.000 min  
Lab File: BN015392.D  
Acq: 08 Jul 2021 04:09

Tgt Ion:164 Resp: 48611  
Ion Ratio Lower Upper  
164 100  
162 104.5 83.8 125.6  
160 48.0 37.4 56.0

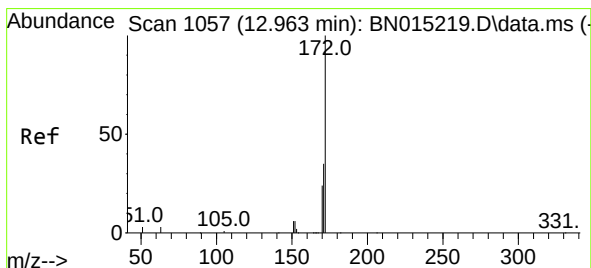
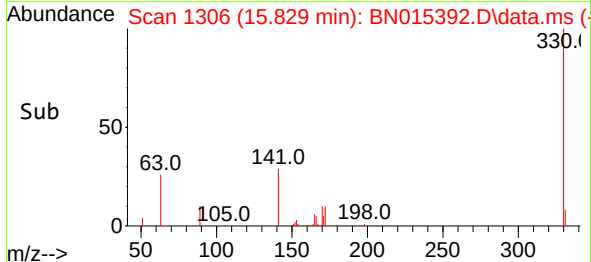
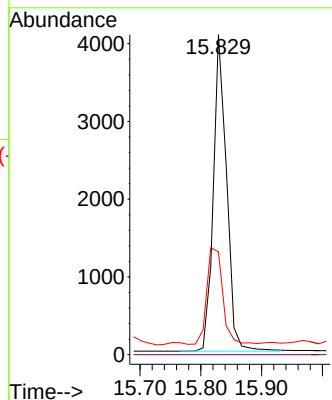
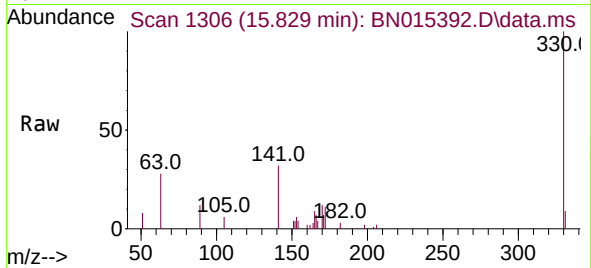




#14  
2,4,6-Tribromophenol  
Concen: 0.51 ng  
RT: 15.829 min Scan# 1306  
Delta R.T. -0.000 min  
Lab File: BN015392.D  
Acq: 08 Jul 2021 04:09

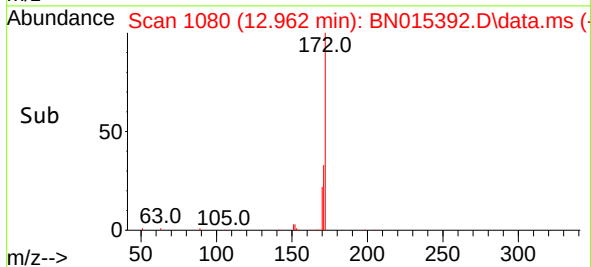
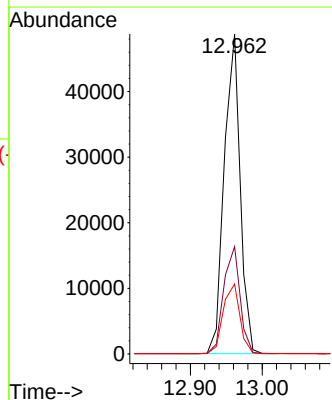
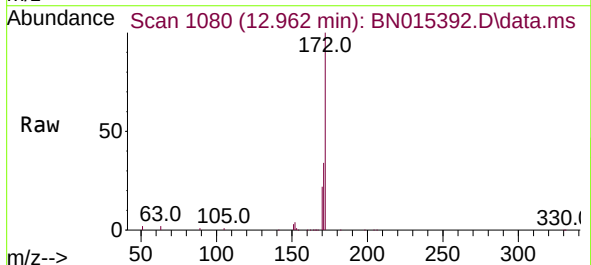
Instrument :  
BNA\_N  
ClientSampleId :

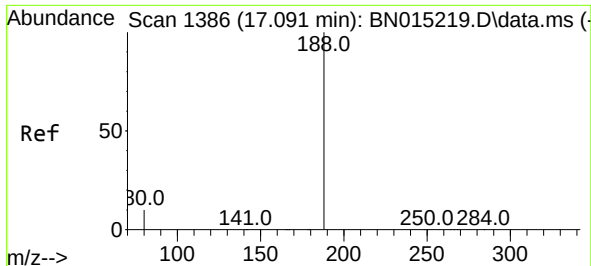
Tgt Ion:330 Resp: 6161  
Ion Ratio Lower Upper  
330 100  
332 0.0 0.0 0.0  
141 36.6 22.4 33.6#



#15  
2-Fluorobiphenyl  
Concen: 0.38 ng  
RT: 12.962 min Scan# 1080  
Delta R.T. -0.000 min  
Lab File: BN015392.D  
Acq: 08 Jul 2021 04:09

Tgt Ion:172 Resp: 74906  
Ion Ratio Lower Upper  
172 100  
171 33.5 30.6 45.8  
170 21.8 20.2 30.4

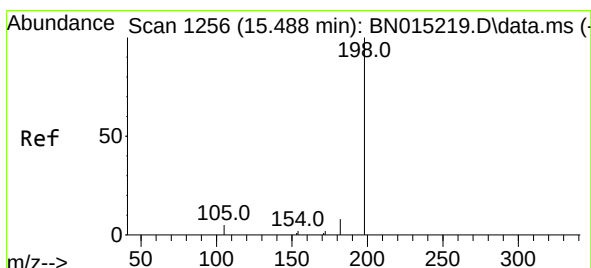
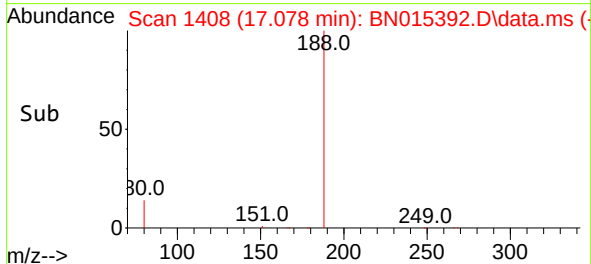
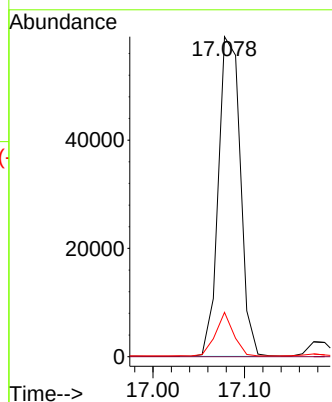
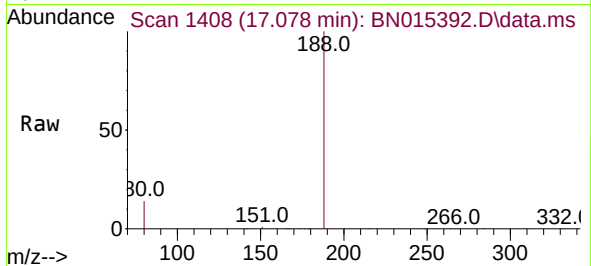




#19  
Phenanthrene-d10  
Concen: 0.40 ng  
RT: 17.078 min Scan# 1408  
Delta R.T. -0.000 min  
Lab File: BN015392.D  
Acq: 08 Jul 2021 04:09

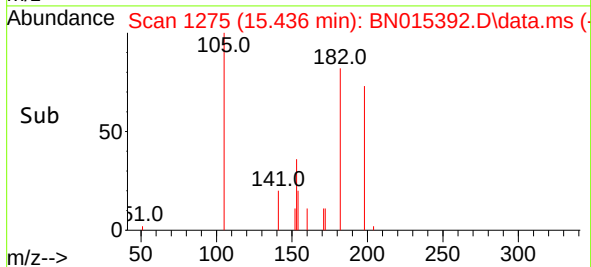
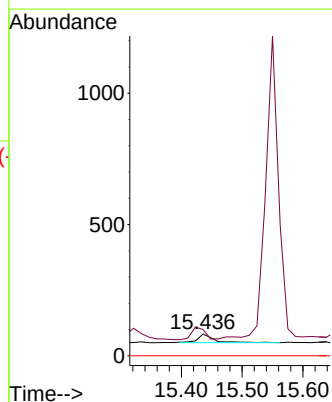
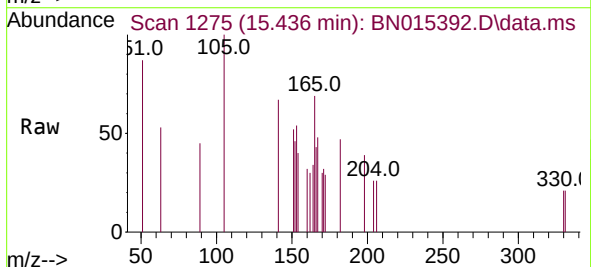
Instrument :  
BNA\_N  
ClientSampleId :

Tgt Ion:188 Resp: 98318  
Ion Ratio Lower Upper  
188 100  
94 0.0 0.0 0.0  
80 13.9 9.0 13.4#

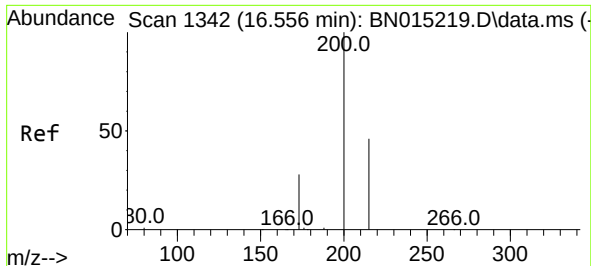


#20  
4,6-Dinitro-2-methylphenol  
Concen: 0.23 ng  
RT: 15.436 min Scan# 1275  
Delta R.T. -0.038 min  
Lab File: BN015392.D  
Acq: 08 Jul 2021 04:09

Tgt Ion:198 Resp: 61  
Ion Ratio Lower Upper  
198 100  
182 120.5 34.5 51.7#  
77 0.0 0.0 0.0



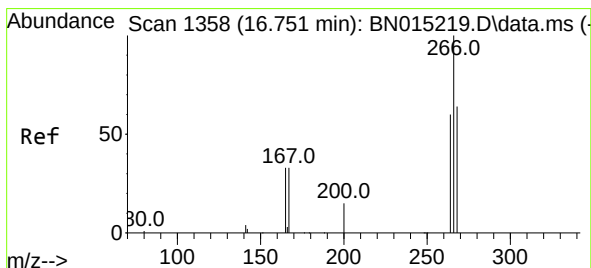
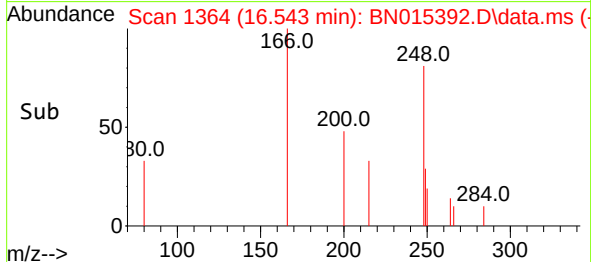
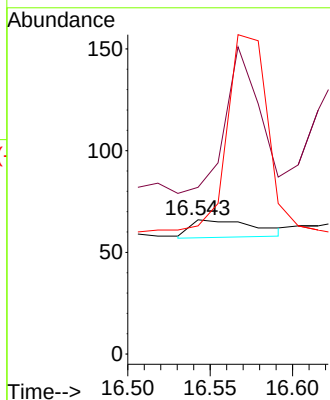
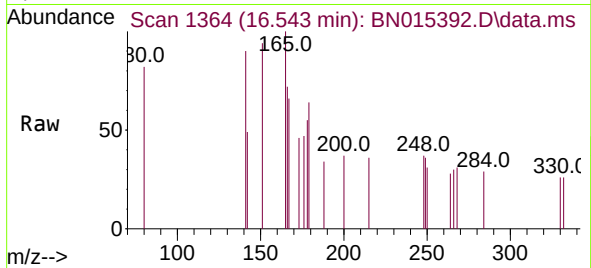




#23  
Atrazine  
Concen: 0.17 ng  
RT: 16.543 min Scan# 1364  
Delta R.T. -0.000 min  
Lab File: BN015392.D  
Acq: 08 Jul 2021 04:09

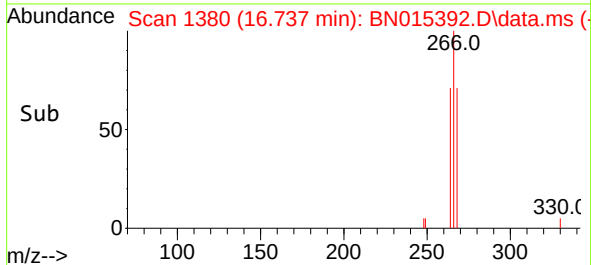
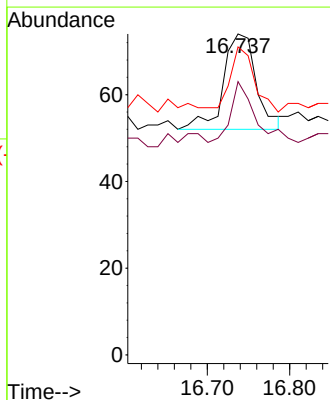
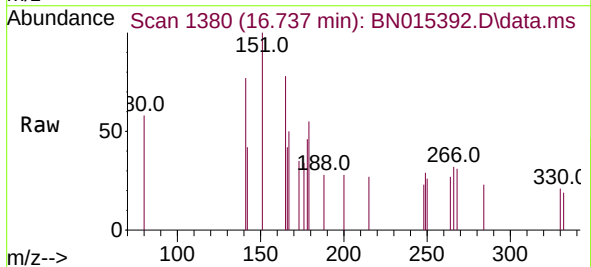
Instrument :  
BNA\_N  
ClientSampleId :

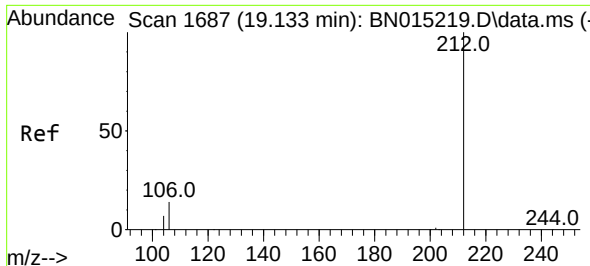
Tgt Ion:200 Resp: 24  
Ion Ratio Lower Upper  
200 100  
173 124.2 21.7 32.5#  
215 95.5 43.1 64.7#



#24  
Pentachlorophenol  
Concen: 0.25 ng  
RT: 16.737 min Scan# 1380  
Delta R.T. -0.000 min  
Lab File: BN015392.D  
Acq: 08 Jul 2021 04:09

Tgt Ion:266 Resp: 61  
Ion Ratio Lower Upper  
266 100  
264 45.9 51.0 76.4#  
268 50.8 50.6 76.0

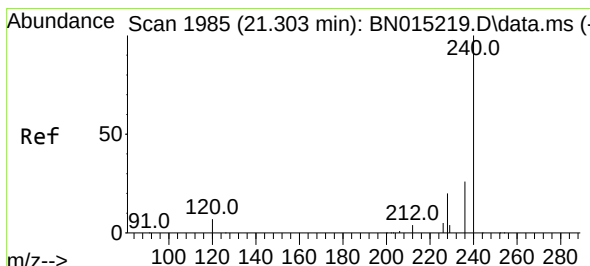
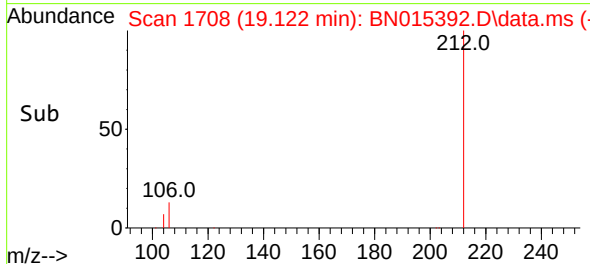
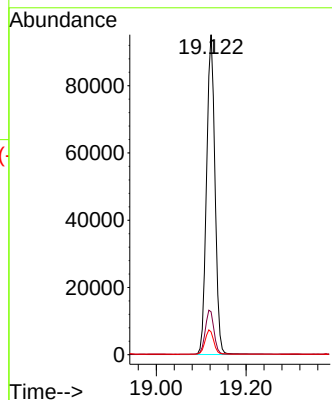
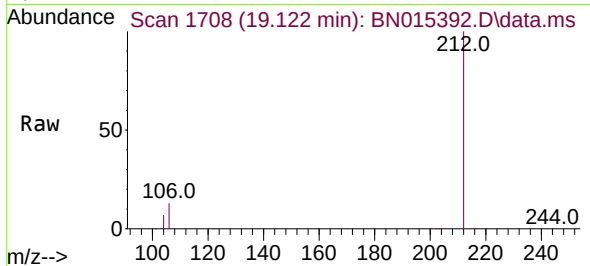




#27  
Fluoranthene-d10  
Concen: 0.43 ng  
RT: 19.122 min Scan# 1708  
Delta R.T. -0.000 min  
Lab File: BN015392.D  
Acq: 08 Jul 2021 04:09

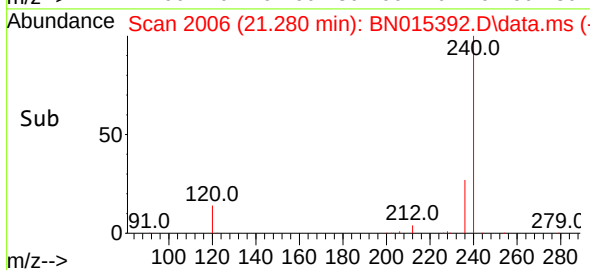
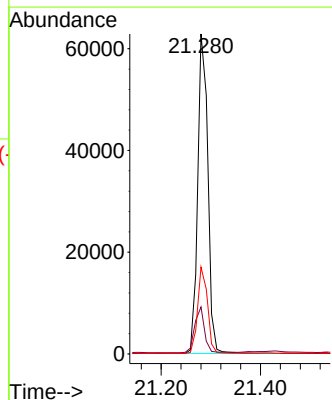
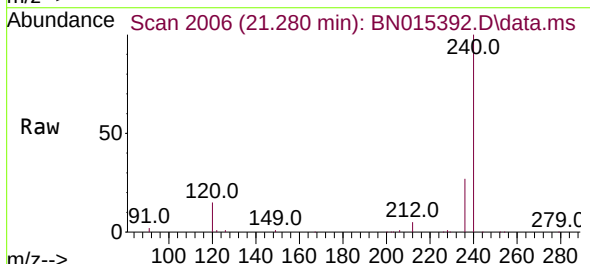
Instrument :  
BNA\_N  
ClientSampleId :

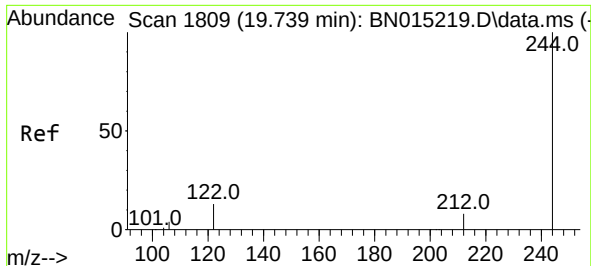
Tgt Ion:212 Resp: 123469  
Ion Ratio Lower Upper  
212 100  
106 14.1 7.0 10.6#  
104 7.9 4.1 6.1#



#29  
Chrysene-d12  
Concen: 0.40 ng  
RT: 21.280 min Scan# 2006  
Delta R.T. -0.011 min  
Lab File: BN015392.D  
Acq: 08 Jul 2021 04:09

Tgt Ion:240 Resp: 89218  
Ion Ratio Lower Upper  
240 100  
120 14.7 4.2 6.4#  
236 27.1 21.4 32.2

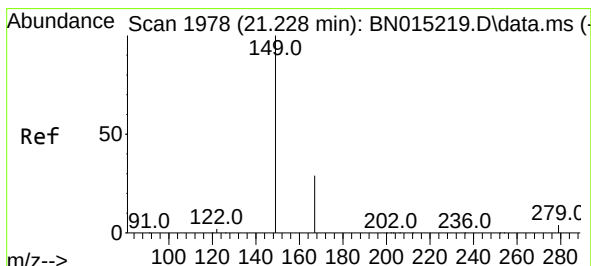
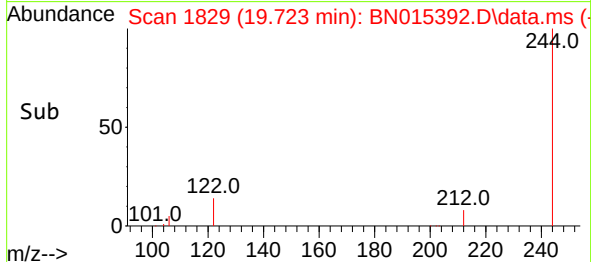
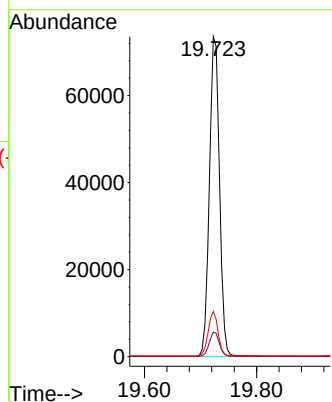
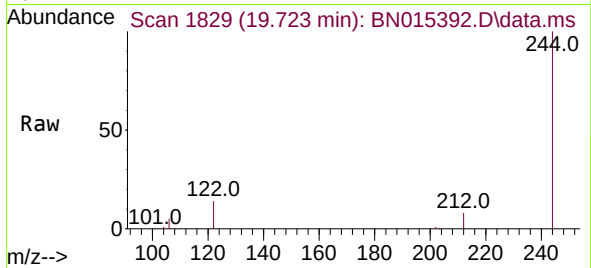




#31  
 Terphenyl-d14  
 Concen: 0.44 ng  
 RT: 19.723 min Scan# 1829  
 Delta R.T. -0.005 min  
 Lab File: BN015392.D  
 Acq: 08 Jul 2021 04:09

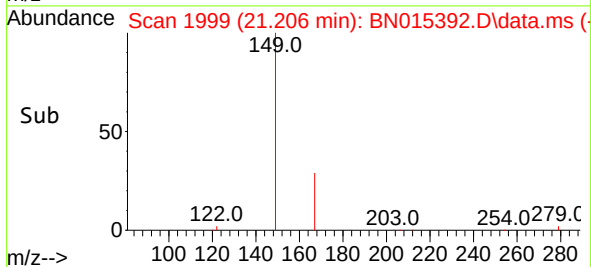
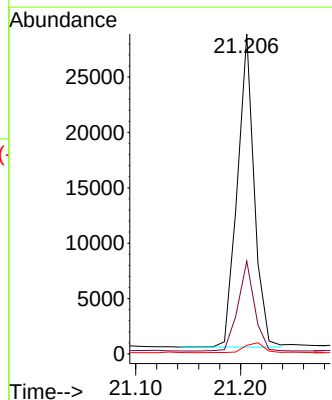
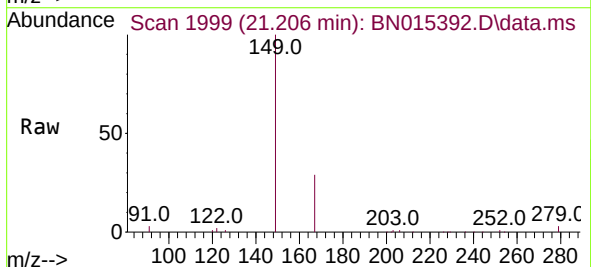
Instrument :  
 BNA\_N  
 ClientSampled :

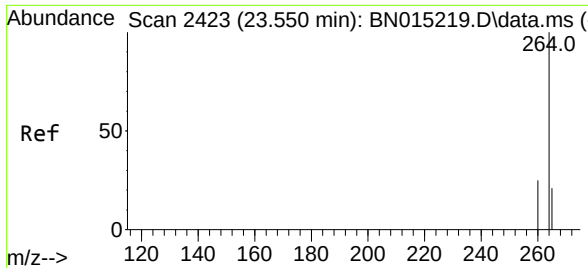
Tgt Ion:244 Resp: 91668  
 Ion Ratio Lower Upper  
 244 100  
 212 7.7 6.3 9.5  
 122 14.1 6.2 9.2#



#34  
 Bis(2-ethylhexyl)phthalate  
 Concen: 0.44 ng  
 RT: 21.206 min Scan# 1999  
 Delta R.T. -0.000 min  
 Lab File: BN015392.D  
 Acq: 08 Jul 2021 04:09

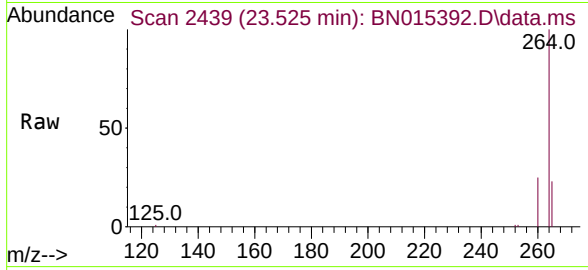
Tgt Ion:149 Resp: 31375  
 Ion Ratio Lower Upper  
 149 100  
 167 28.3 28.9 43.3#  
 279 3.8 4.9 7.3#





#35  
Perylene-d12  
Concen: 0.40 ng  
RT: 23.525 min Scan# 2439  
Delta R.T. -0.004 min  
Lab File: BN015392.D  
Acq: 08 Jul 2021 04:09

Instrument :  
BNA\_N  
ClientSampleId :



|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:264 | Resp: | 84986     |
| Ion Ratio   | Lower | Upper     |
| 264         | 100   |           |
| 260         | 24.8  | 20.6 31.0 |
| 265         | 23.0  | 21.4 32.2 |

