

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG010521\  
 Data File : BG047873.D  
 Acq On : 5 Jan 2021 18:57  
 Operator : CG/JU  
 Sample : M1002-01  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 VNJ-208

Quant Time: Jan 06 00:02:28 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG121720.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Dec 17 15:55:16 2020  
 Response via : Initial Calibration

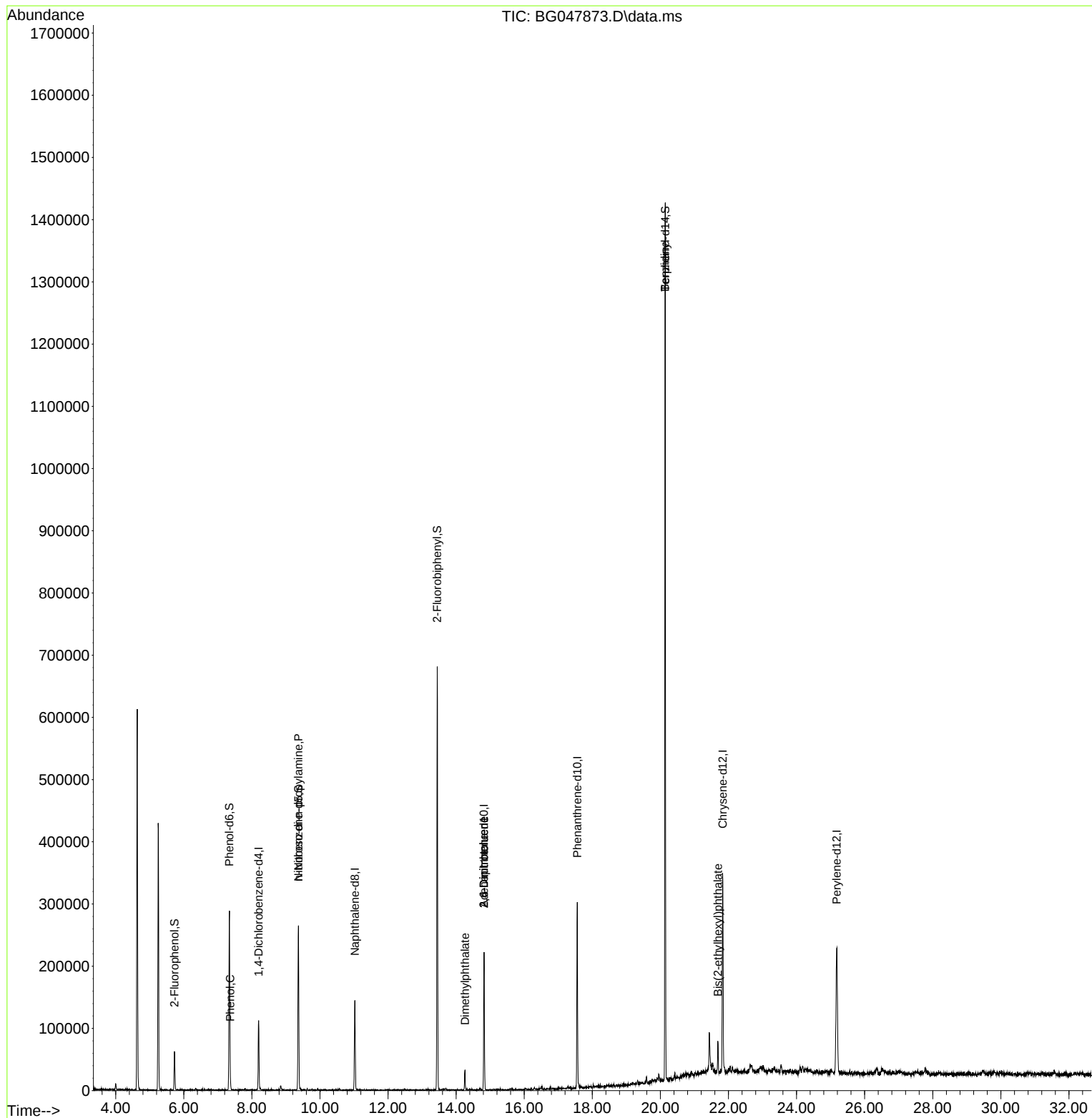
| Compound                      | R.T.   | QIon | Response | Conc      | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|-------|----------|
| -----                         |        |      |          |           |       |          |
| Internal Standards            |        |      |          |           |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.197  | 152  | 29065    | 20.00     | ng    | 0.00     |
| 21) Naphthalene-d8            | 11.024 | 136  | 109316   | 20.00     | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 14.819 | 164  | 79913    | 20.00     | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.557 | 188  | 195292   | 20.00     | ng    | # 0.00   |
| 76) Chrysene-d12              | 21.829 | 240  | 208022   | 20.00     | ng    | # 0.00   |
| 86) Perylene-d12              | 25.178 | 264  | 230110   | 20.00     | ng    | 0.00     |
|                               |        |      |          |           |       |          |
| System Monitoring Compounds   |        |      |          |           |       |          |
| 5) 2-Fluorophenol             | 5.724  | 112  | 24214    | 14.41     | ng    | 0.00     |
| 7) Phenol-d6                  | 7.340  | 99   | 139878   | 56.95     | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.367  | 82   | 158608   | 53.37     | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.300 | 330  | 749      | 0.55      | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.444 | 172  | 340809   | 55.19     | ng    | 0.00     |
| 79) Terphenyl-d14             | 20.142 | 244  | 635205   | 50.32     | ng    | 0.00     |
|                               |        |      |          |           |       |          |
| Target Compounds              |        |      |          |           |       | Qvalue   |
| 10) Phenol                    | 7.363  | 94   | 5386     | 2.42      | ng    | # 36     |
| 19) n-Nitroso-di-n-propyla... | 9.367  | 70   | 25484    | 14.91     | ng    | # 82     |
| 50) Dimethylphthalate         | 14.261 | 163  | 18784    | 2.73      | ng    | 97       |
| 51) 2,6-Dinitrotoluene        | 14.819 | 165  | 10465    | 7.47      | ng    | # 32     |
| 57) 2,4-Dinitrotoluene        | 14.819 | 165  | 10465    | 5.03      | ng    | # 30     |
| 70) Pentachlorophenol         | 17.287 | 266  | 87       | Below Cal |       | # 19     |
| 77) Benzidine                 | 20.136 | 184  | 13746    | 2.46      | ng    | # 91     |
| 84) Bis(2-ethylhexyl)phtha... | 21.688 | 149  | 19718    | 2.80      | ng    | # 94     |
| -----                         |        |      |          |           |       |          |

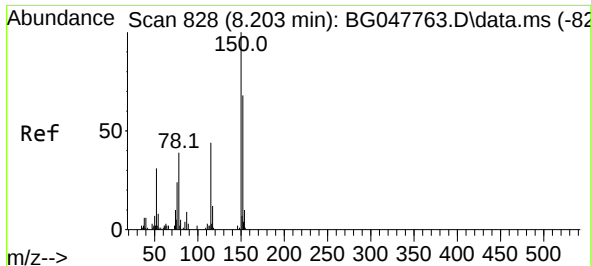
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jan 06 00:02:28 2021  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG121720.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Dec 17 15:55:16 2020  
Response via : Initial Calibration

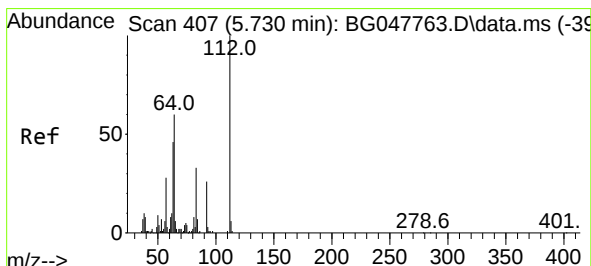
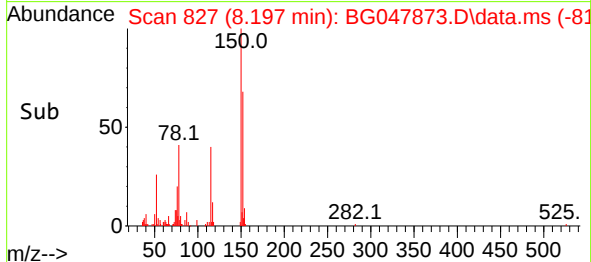
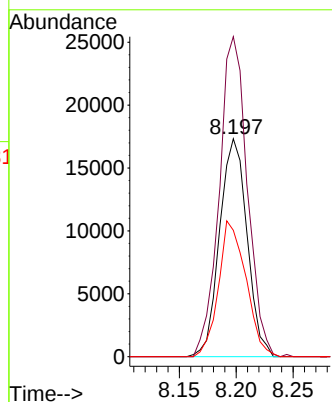
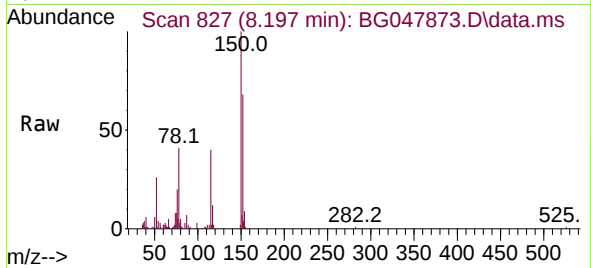




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 8.197 min Scan# 827  
Delta R.T. -0.005 min  
Lab File: BG047873.D  
Acq: 5 Jan 2021 18:57

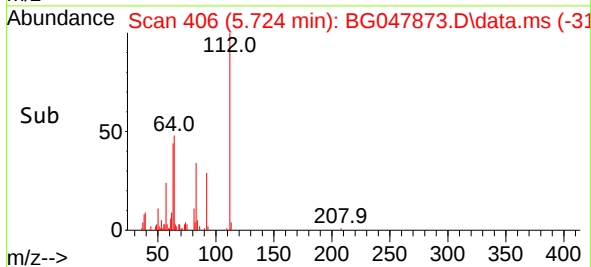
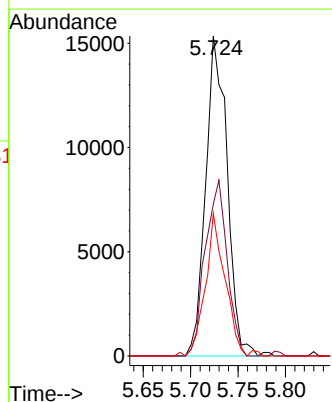
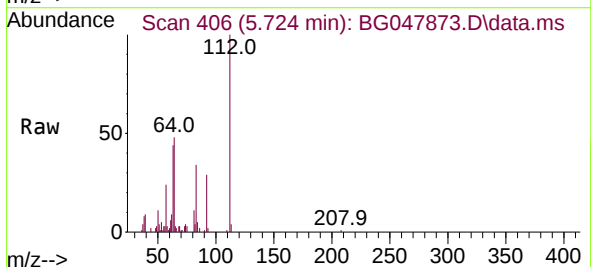
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ClientSampleId :  
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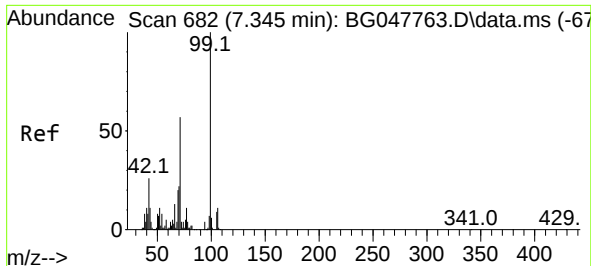
Tgt Ion:152 Resp: 29065  
Ion Ratio Lower Upper  
152 100  
150 146.9 125.0 187.6  
115 58.1 41.8 62.6



#5  
2-Fluorophenol  
Concen: 14.41 ng  
RT: 5.724 min Scan# 406  
Delta R.T. -0.006 min  
Lab File: BG047873.D  
Acq: 5 Jan 2021 18:57

Tgt Ion:112 Resp: 24214  
Ion Ratio Lower Upper  
112 100  
64 47.5 46.7 70.1  
63 44.5 22.8 34.2#

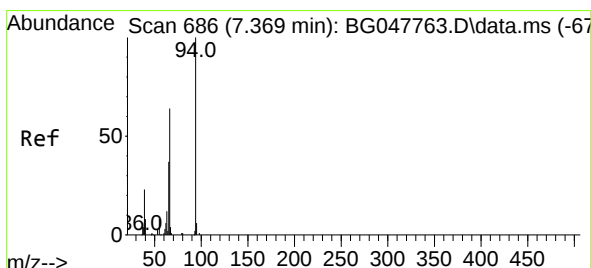
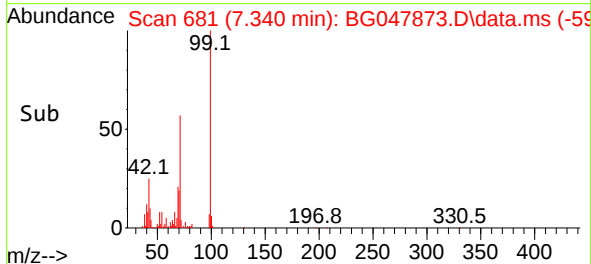
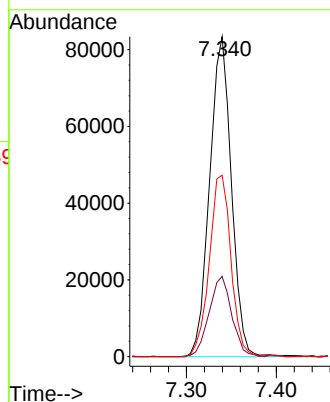
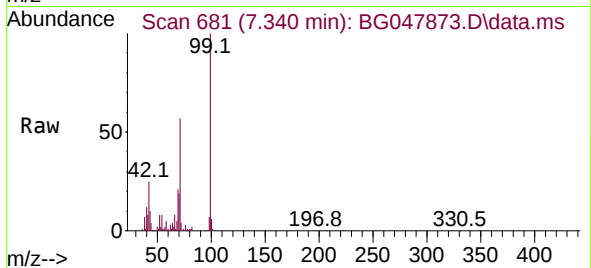




#7  
Phenol-d6  
Concen: 56.95 ng  
RT: 7.340 min Scan# 681  
Delta R.T. -0.006 min  
Lab File: BG047873.D  
Acq: 5 Jan 2021 18:57

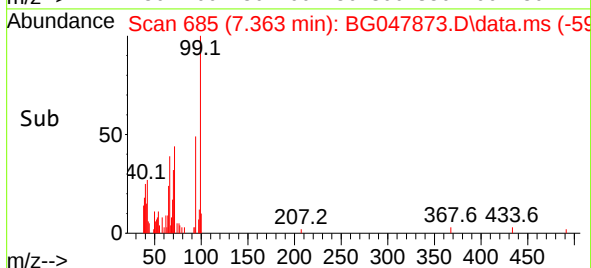
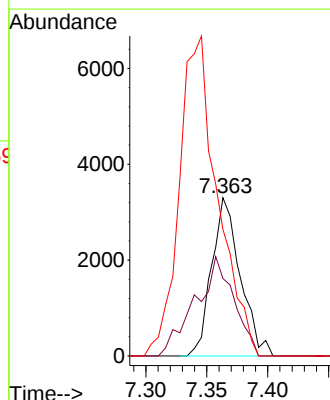
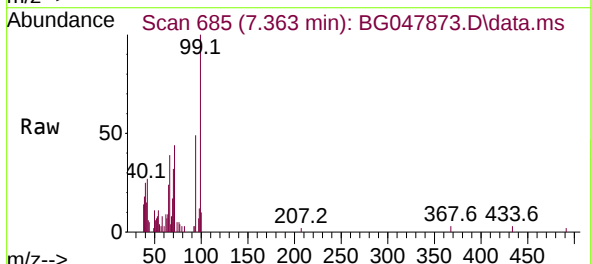
Instrument :  
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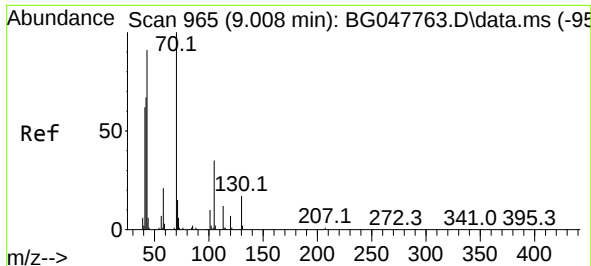
Tgt Ion: 99 Resp: 139878  
Ion Ratio Lower Upper  
99 100  
42 25.1 12.8 19.2#  
71 56.7 24.6 36.8#



#10  
Phenol  
Concen: 2.42 ng  
RT: 7.363 min Scan# 685  
Delta R.T. -0.006 min  
Lab File: BG047873.D  
Acq: 5 Jan 2021 18:57

Tgt Ion: 94 Resp: 5386  
Ion Ratio Lower Upper  
94 100  
65 49.0 6.6 46.6#  
66 80.0 13.9 53.9#

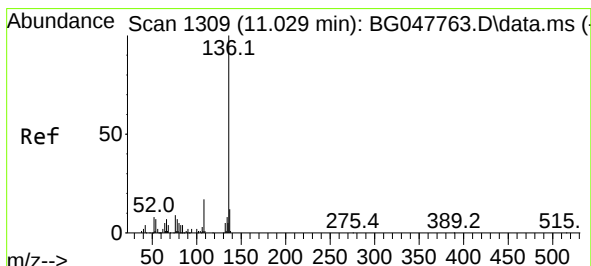
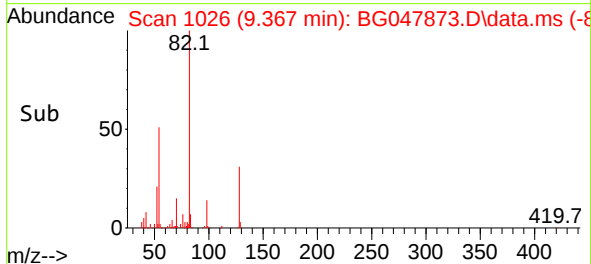
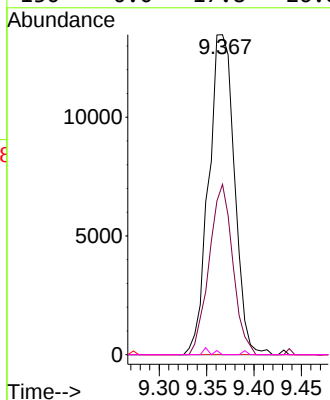
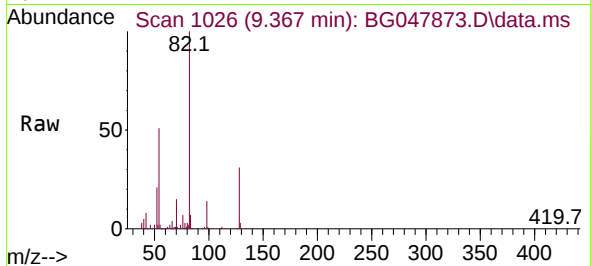




#19  
n-Nitroso-di-n-propylamine  
Concen: 14.91 ng  
RT: 9.367 min Scan# 1026  
Delta R.T. 0.359 min  
Lab File: BG047873.D  
Acq: 5 Jan 2021 18:57

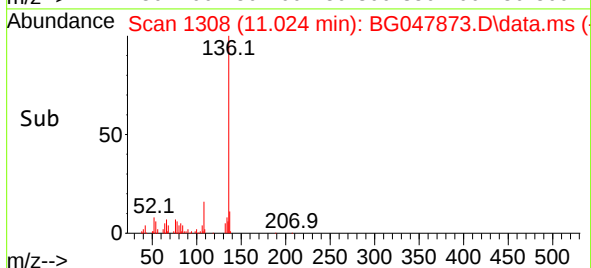
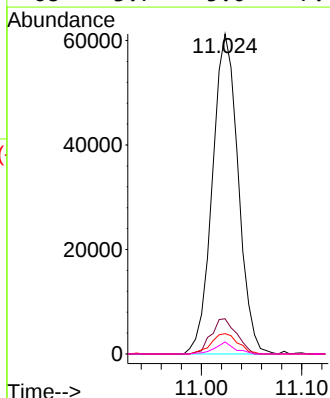
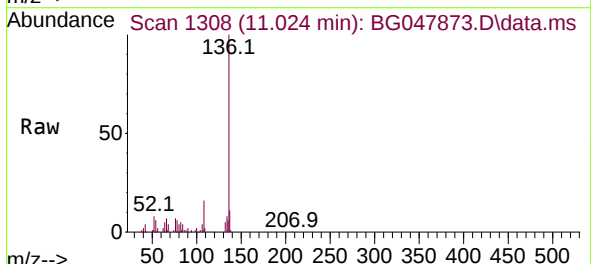
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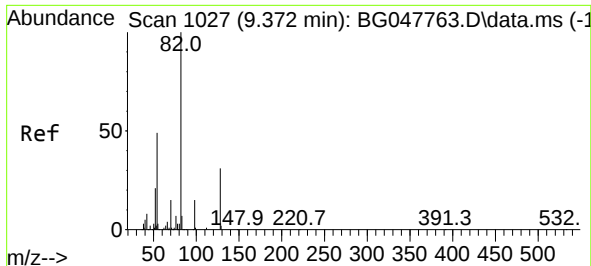
|             |             |
|-------------|-------------|
| Tgt Ion: 70 | Resp: 25484 |
| Ion Ratio   | Lower Upper |
| 70 100      |             |
| 42 53.2     | 45.6 68.4   |
| 101 0.0     | 8.4 12.6#   |
| 130 0.0     | 17.8 26.8#  |



#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 11.024 min Scan# 1308  
Delta R.T. -0.006 min  
Lab File: BG047873.D  
Acq: 5 Jan 2021 18:57

|              |              |
|--------------|--------------|
| Tgt Ion: 136 | Resp: 109316 |
| Ion Ratio    | Lower Upper  |
| 136 100      |              |
| 137 11.0     | 9.1 13.7     |
| 54 6.4       | 6.2 9.4      |
| 68 3.7       | 5.0 7.4#     |

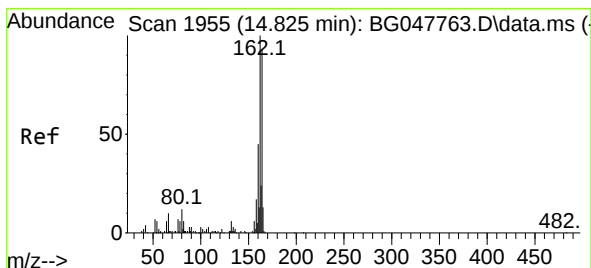
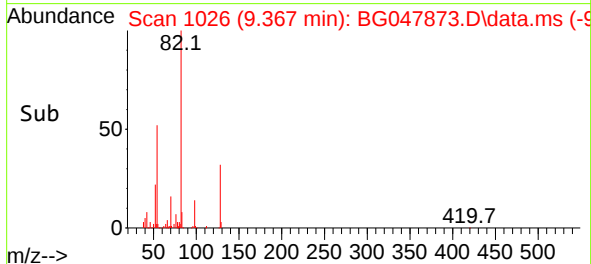
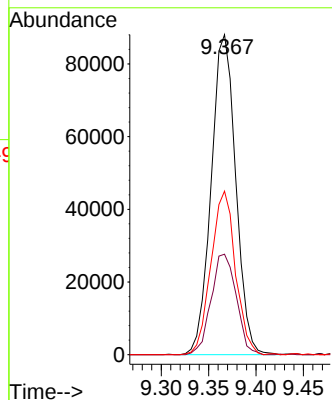
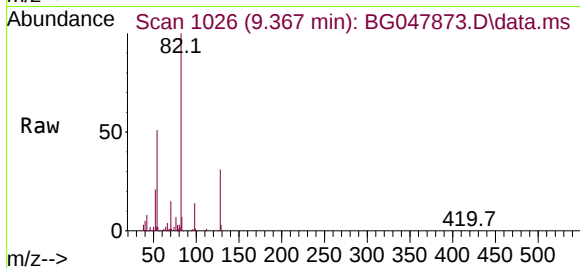




#23  
Nitrobenzene-d5  
Concen: 53.37 ng  
RT: 9.367 min Scan# 1026  
Delta R.T. -0.006 min  
Lab File: BG047873.D  
Acq: 5 Jan 2021 18:57

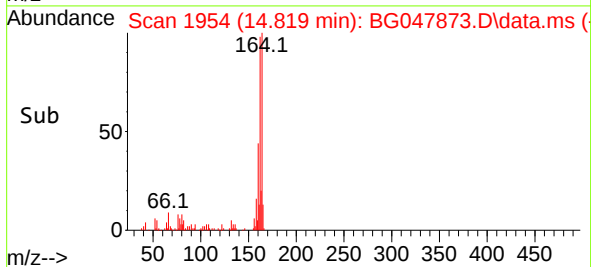
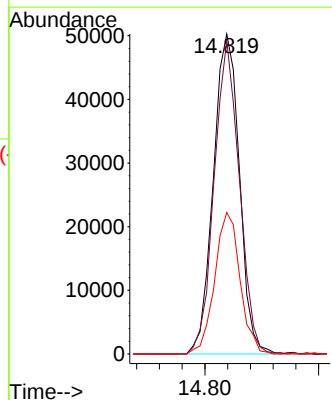
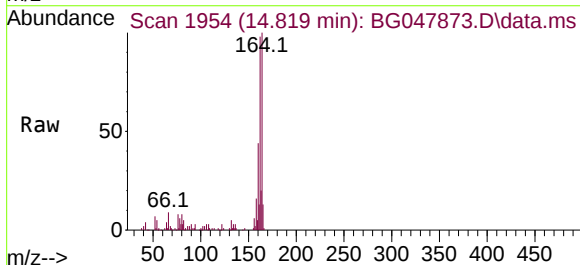
Instrument :  
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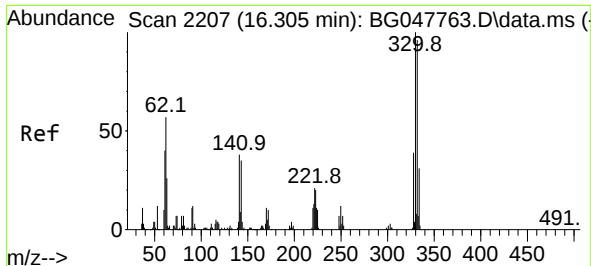
Tgt Ion: 82 Resp: 158608  
Ion Ratio Lower Upper  
82 100  
128 31.4 37.0 55.6#  
54 51.1 39.0 58.4



#39  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 14.819 min Scan# 1954  
Delta R.T. -0.006 min  
Lab File: BG047873.D  
Acq: 5 Jan 2021 18:57

Tgt Ion:164 Resp: 79913  
Ion Ratio Lower Upper  
164 100  
162 97.9 82.3 123.5  
160 44.2 35.3 52.9

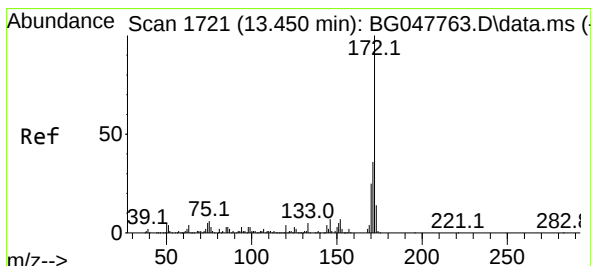
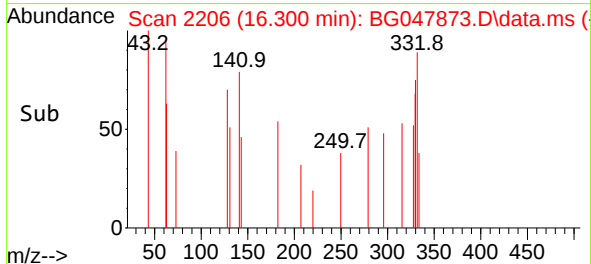
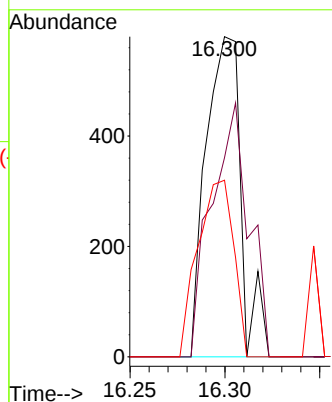
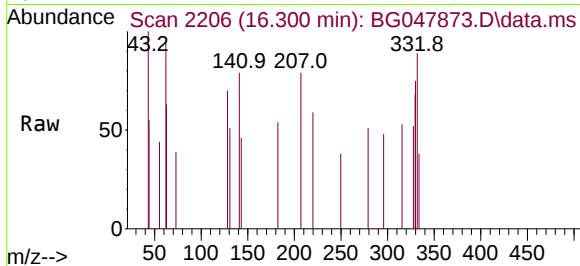




#42  
2,4,6-Tribromophenol  
Concen: 0.55 ng  
RT: 16.300 min Scan# 2206  
Delta R.T. -0.006 min  
Lab File: BG047873.D  
Acq: 5 Jan 2021 18:57

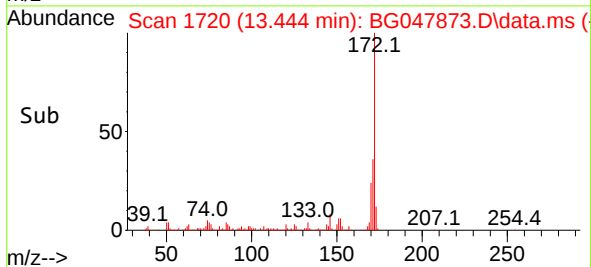
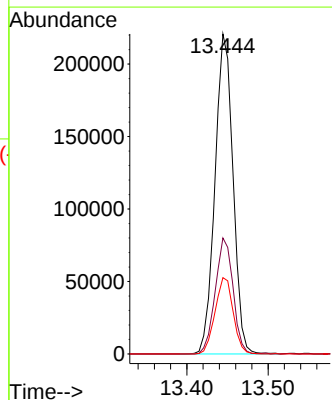
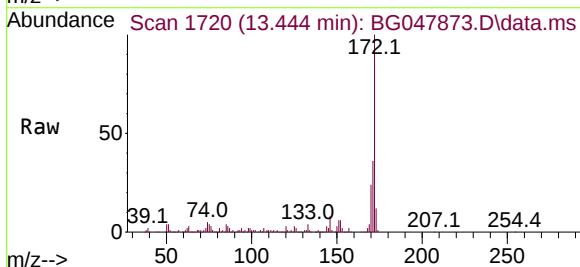
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BNA\_G  
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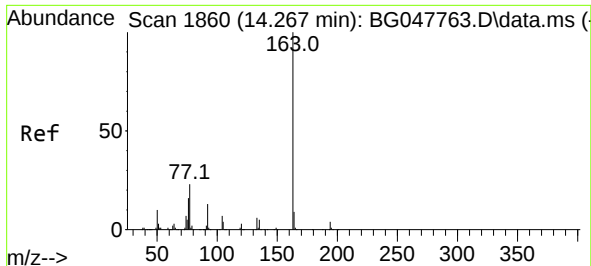
Tgt Ion:330 Resp: 749  
Ion Ratio Lower Upper  
330 100  
332 84.6 76.5 114.7  
141 56.3 26.0 39.0#



#45  
2-Fluorobiphenyl  
Concen: 55.19 ng  
RT: 13.444 min Scan# 1720  
Delta R.T. -0.006 min  
Lab File: BG047873.D  
Acq: 5 Jan 2021 18:57

Tgt Ion:172 Resp: 340809  
Ion Ratio Lower Upper  
172 100  
171 36.3 31.3 46.9  
170 23.9 20.8 31.2

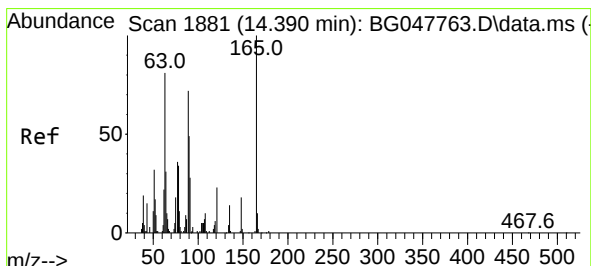
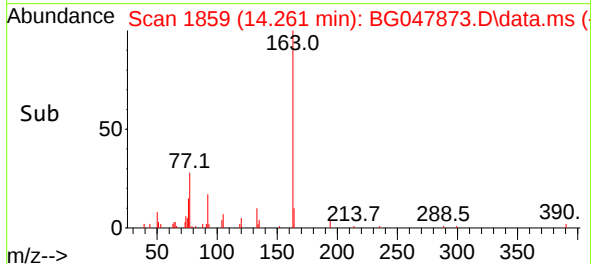
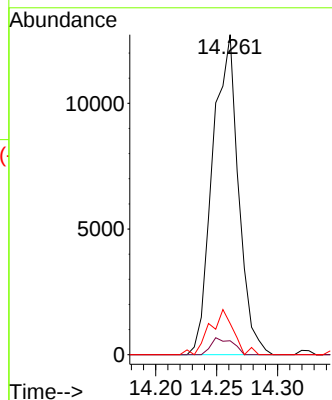
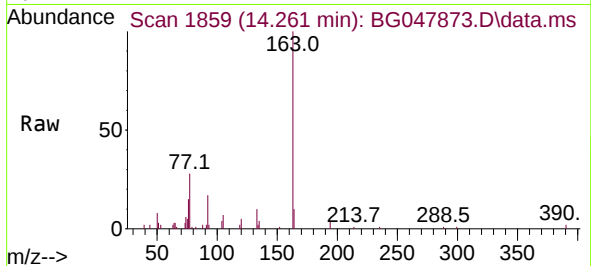




#50  
Dimethylphthalate  
Concen: 2.73 ng  
RT: 14.261 min Scan# 1859  
Delta R.T. -0.006 min  
Lab File: BG047873.D  
Acq: 5 Jan 2021 18:57

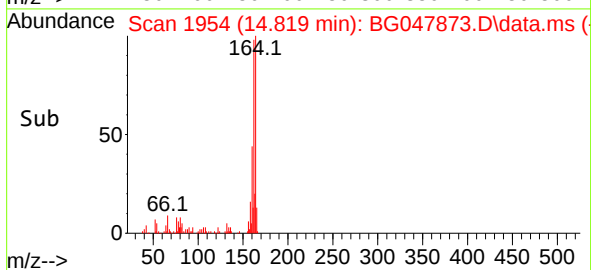
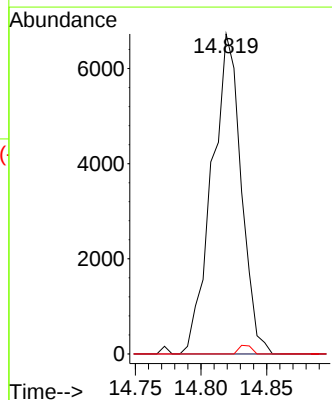
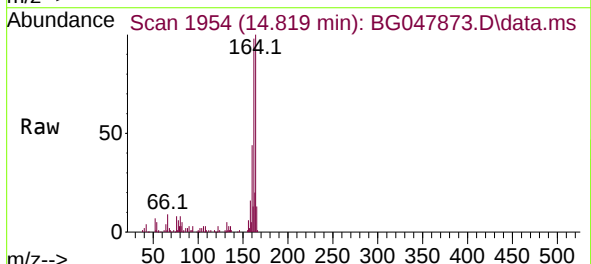
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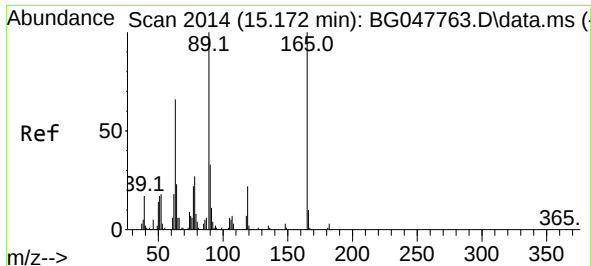
Tgt Ion:163 Resp: 18784  
Ion Ratio Lower Upper  
163 100  
194 4.3 3.8 5.8  
164 9.8 8.8 13.2



#51  
2,6-Dinitrotoluene  
Concen: 7.47 ng  
RT: 14.819 min Scan# 1954  
Delta R.T. 0.429 min  
Lab File: BG047873.D  
Acq: 5 Jan 2021 18:57

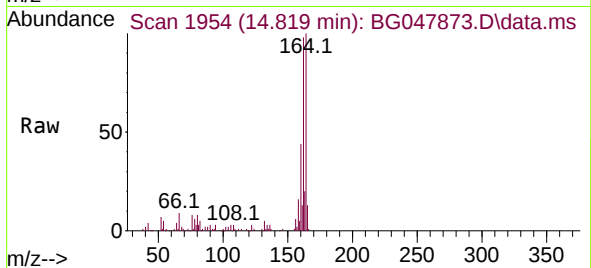
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Ion Ratio Lower Upper  
165 100  
63 0.0 33.7 50.5#  
89 0.0 36.6 54.8#



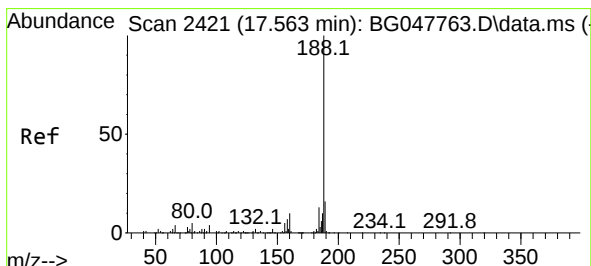
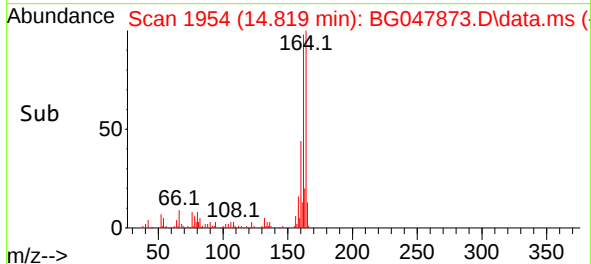
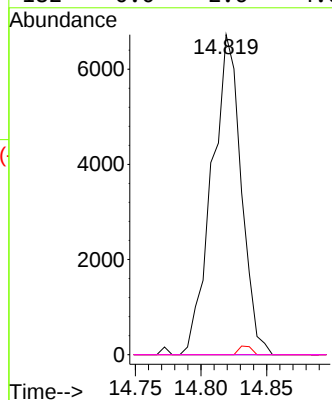


#57  
2,4-Dinitrotoluene  
Concen: 5.03 ng  
RT: 14.819 min Scan# 1954  
Delta R.T. -0.352 min  
Lab File: BG047873.D  
Acq: 5 Jan 2021 18:57

Instrument :  
BNA\_G  
ClientSampleId :  
VNJ-208

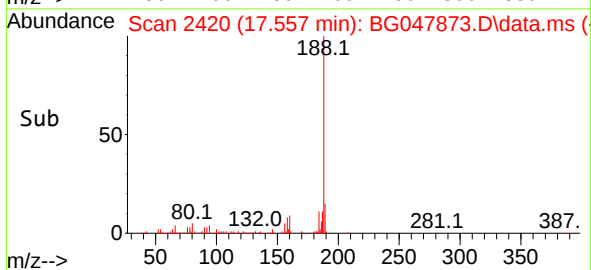
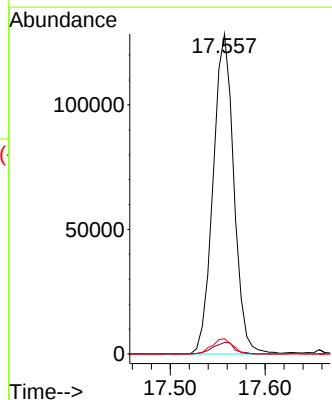
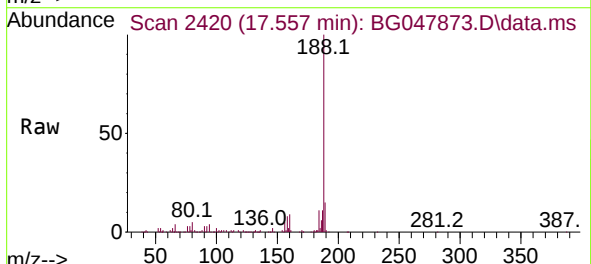


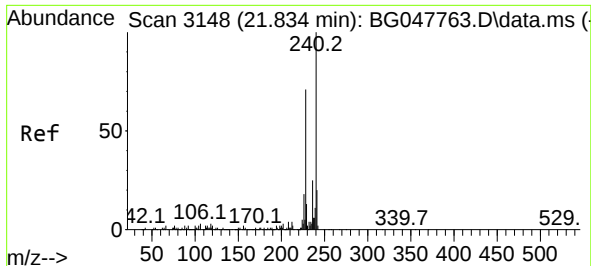
Tgt Ion:165 Resp: 10465  
Ion Ratio Lower Upper  
165 100  
63 0.0 26.4 39.6#  
89 0.0 47.8 71.8#  
182 0.0 2.6 4.0#



#64  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.557 min Scan# 2420  
Delta R.T. -0.006 min  
Lab File: BG047873.D  
Acq: 5 Jan 2021 18:57

Tgt Ion:188 Resp: 195292  
Ion Ratio Lower Upper  
188 100  
94 3.6 6.3 9.5#  
80 4.8 7.0 10.6#

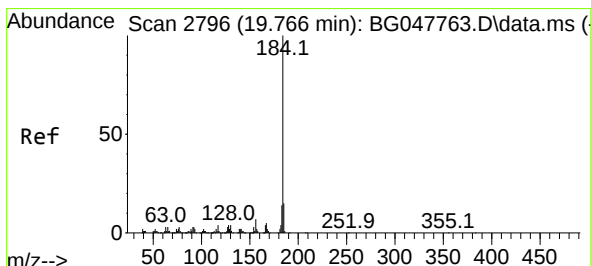
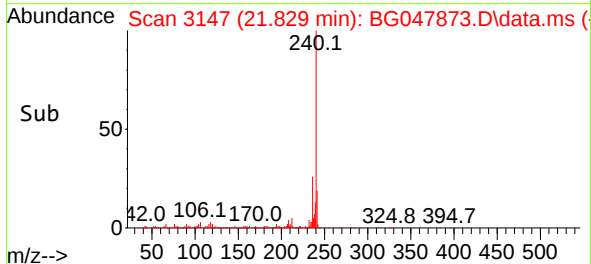
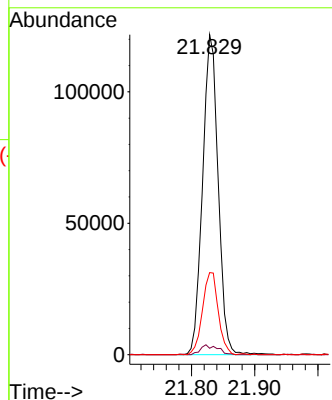
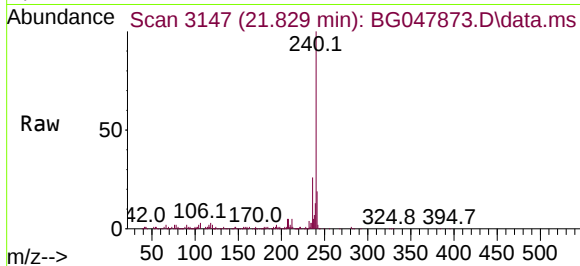




#76  
Chrysene-d12  
Concen: 20.00 ng  
RT: 21.829 min Scan# 3147  
Delta R.T. -0.006 min  
Lab File: BG047873.D  
Acq: 5 Jan 2021 18:57

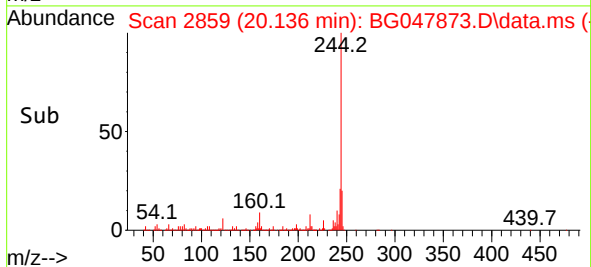
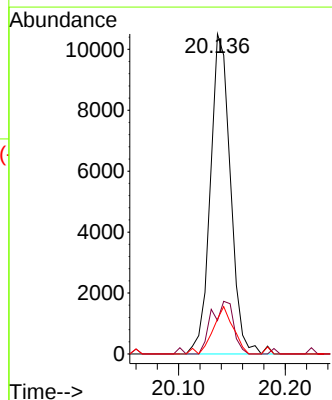
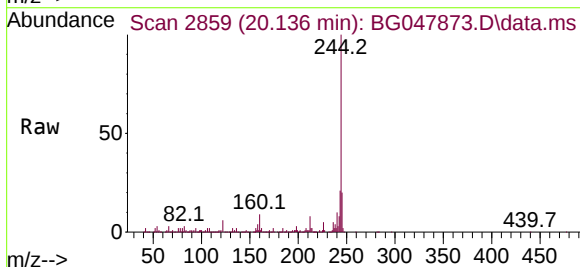
Instrument :  
BNA\_G  
ClientSampleId :  
VNJ-208

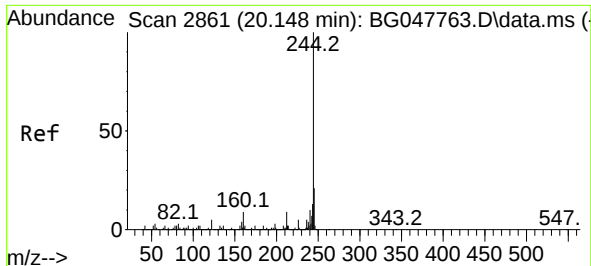
Tgt Ion:240 Resp: 208022  
Ion Ratio Lower Upper  
240 100  
120 2.0 6.2 9.4#  
236 25.6 20.5 30.7



#77  
Benzidine  
Concen: 2.46 ng  
RT: 20.136 min Scan# 2859  
Delta R.T. 0.370 min  
Lab File: BG047873.D  
Acq: 5 Jan 2021 18:57

Tgt Ion:184 Resp: 13746  
Ion Ratio Lower Upper  
184 100  
185 10.5 12.4 18.6#  
183 10.9 10.6 15.8

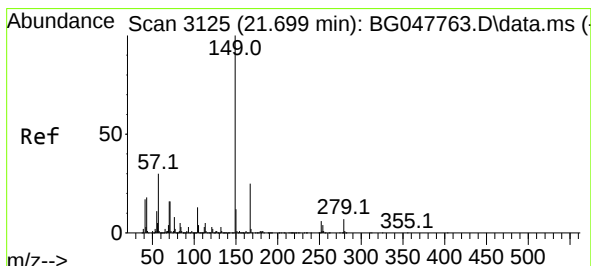
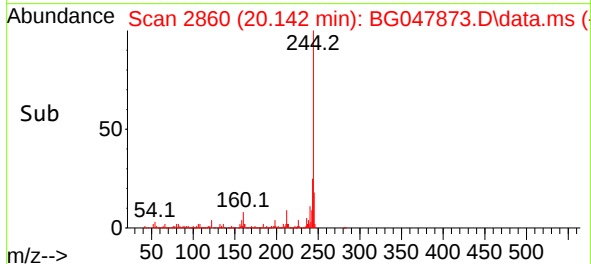
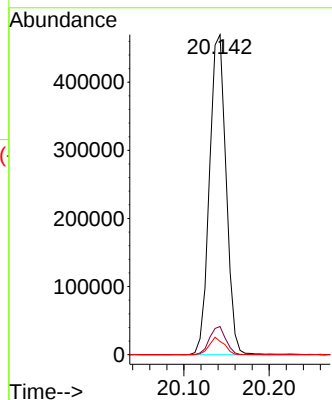
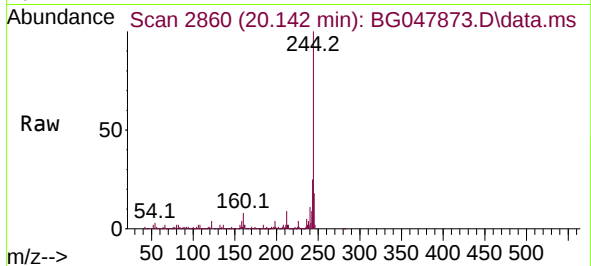




#79  
 Terphenyl-d14  
 Concen: 50.32 ng  
 RT: 20.142 min Scan# 2860  
 Delta R.T. -0.006 min  
 Lab File: BG047873.D  
 Acq: 5 Jan 2021 18:57

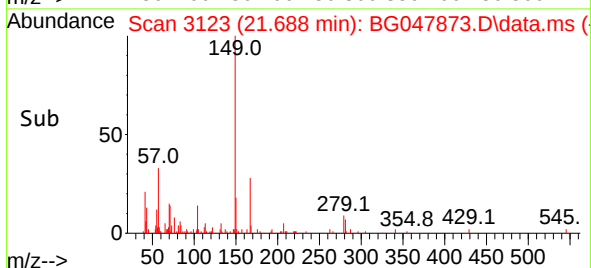
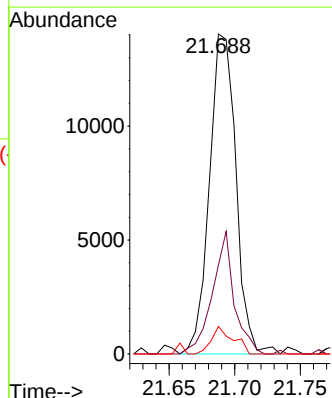
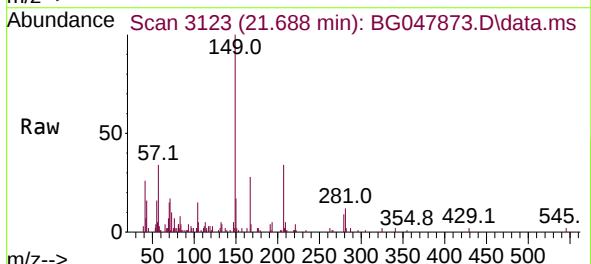
Instrument :  
 BNA\_G  
 ClientSampleId :  
 VNJ-208

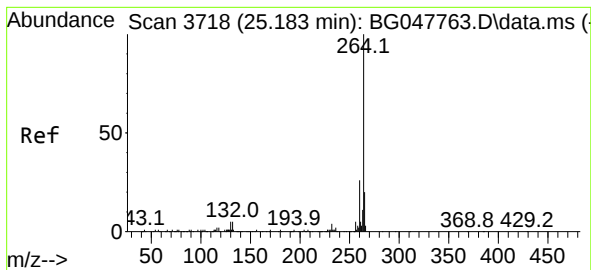
Tgt Ion:244 Resp: 635205  
 Ion Ratio Lower Upper  
 244 100  
 212 8.8 6.7 10.1  
 122 4.1 7.8 11.6#



#84  
 Bis(2-ethylhexyl)phthalate  
 Concen: 2.80 ng  
 RT: 21.688 min Scan# 3123  
 Delta R.T. -0.012 min  
 Lab File: BG047873.D  
 Acq: 5 Jan 2021 18:57

Tgt Ion:149 Resp: 19718  
 Ion Ratio Lower Upper  
 149 100  
 167 27.7 24.8 37.2  
 279 8.6 4.6 7.0#





#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 25.178 min Scan# 3717  
 Delta R.T. -0.006 min  
 Lab File: BG047873.D  
 Acq: 5 Jan 2021 18:57

Instrument :  
 BNA\_G  
 ClientSampleId :  
 VNJ-208

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 264   | Resp: | 230110 |
| Ion Ratio | Lower | Upper |        |
| 264       | 100   |       |        |
| 260       | 21.9  | 18.8  | 28.2   |
| 265       | 20.8  | 17.8  | 26.8   |

