

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG081222\  
 Data File : BG054627.D  
 Acq On : 12 Aug 2022 18:13  
 Operator : CG/JU  
 Sample : N4185-01  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 COMP1

Quant Time: Aug 13 00:40:17 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG071522.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Aug 13 00:32:40 2022  
 Response via : Initial Calibration

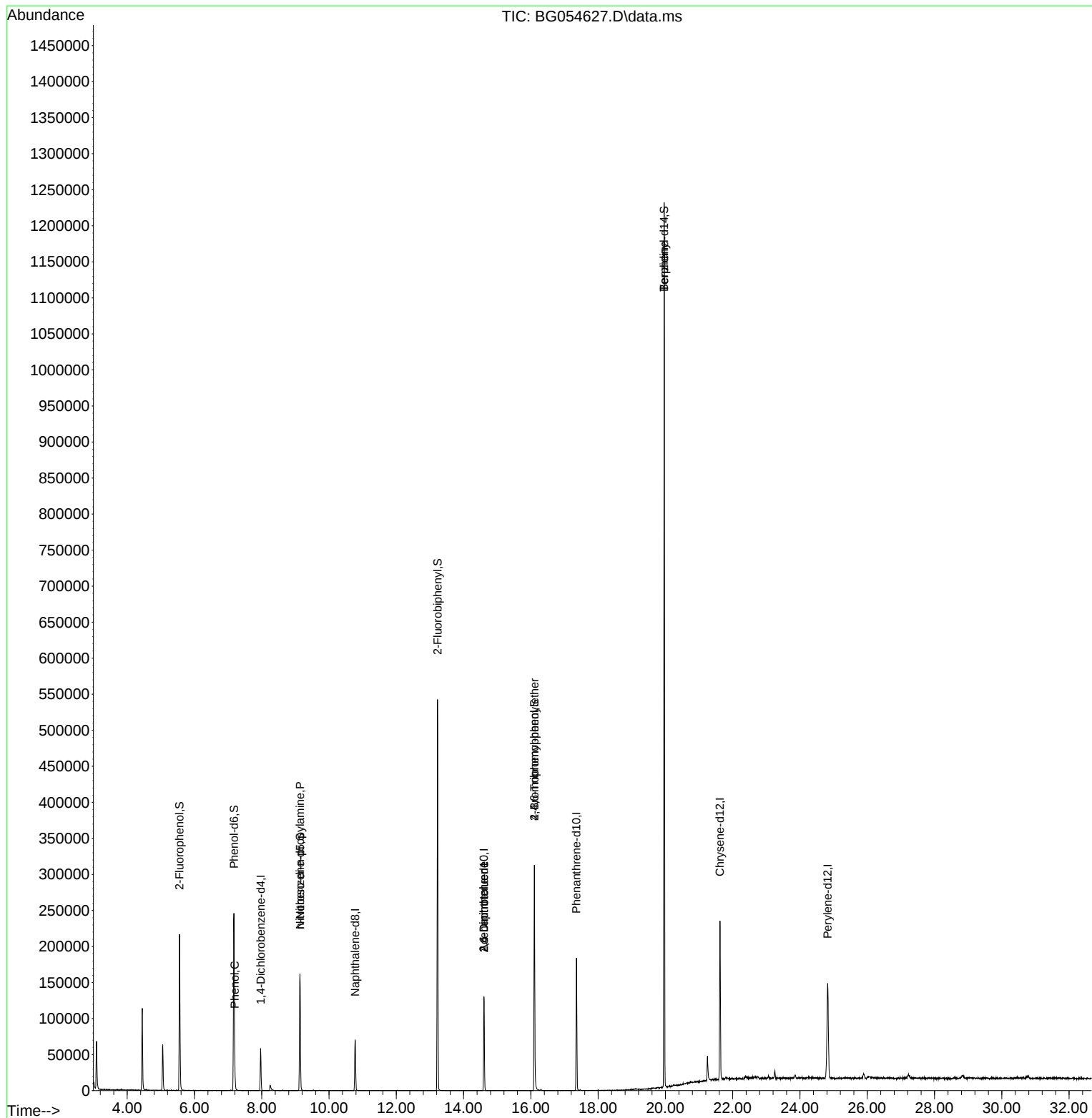
| Compound                      | R.T.   | QIon | Response | Conc      | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|-------|----------|
| -----                         |        |      |          |           |       |          |
| Internal Standards            |        |      |          |           |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.965  | 152  | 17767    | 20.000    | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.780 | 136  | 68751    | 20.000    | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 14.605 | 164  | 52636    | 20.000    | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.354 | 188  | 139259   | 20.000    | ng    | # 0.00   |
| 76) Chrysene-d12              | 21.620 | 240  | 157044   | 20.000    | ng    | # 0.00   |
| 86) Perylene-d12              | 24.822 | 264  | 163023   | 20.000    | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |           |       |          |
| 5) 2-Fluorophenol             | 5.556  | 112  | 99112    | 116.471   | ng    | 0.00     |
| 7) Phenol-d6                  | 7.172  | 99   | 146851   | 125.942   | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.134  | 82   | 102214   | 80.963    | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.103 | 330  | 86029    | 77.843    | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.224 | 172  | 308800   | 82.761    | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.963 | 244  | 705257   | 89.089    | ng    | 0.00     |
| Target Compounds              |        |      |          |           |       |          |
|                               |        |      |          |           |       | Qvalue   |
| 9) Benzaldehyde               | 7.172  | 77   | 141      | Below Cal | #     | 10       |
| 10) Phenol                    | 7.196  | 94   | 9479     | 8.182     | ng    | # 72     |
| 19) n-Nitroso-di-n-propyla... | 9.134  | 70   | 14835    | 19.052    | ng    | # 80     |
| 51) 2,6-Dinitrotoluene        | 14.605 | 165  | 7399     | 8.205     | ng    | # 16     |
| 57) 2,4-Dinitrotoluene        | 14.605 | 165  | 7399     | 5.723     | ng    | # 21     |
| 67) 4-Bromophenyl-phenylether | 16.103 | 248  | 5097     | 2.606     | ng    | # 1      |
| 77) Benzidine                 | 19.963 | 184  | 9136     | 3.212     | ng    | # 94     |
| -----                         |        |      |          |           |       |          |

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

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COMP1

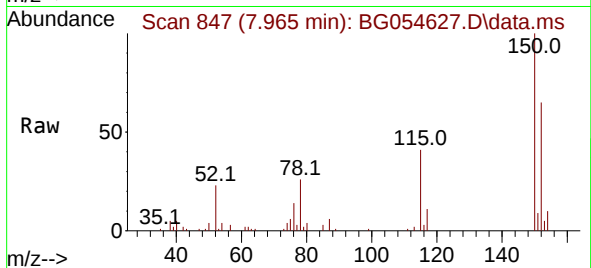
Quant Time: Aug 13 00:40:17 2022  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG071522.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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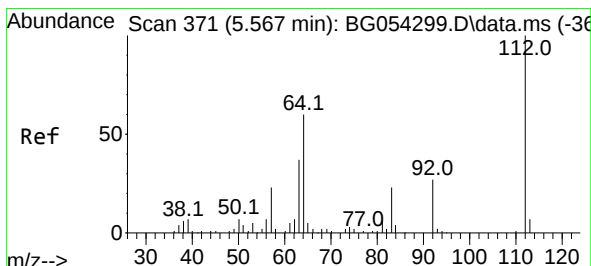
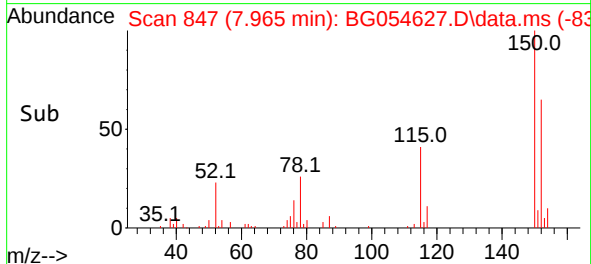
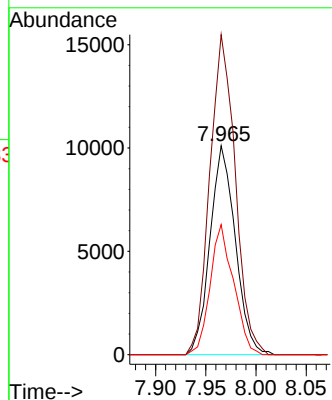


#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.965 min Scan# 84  
Delta R.T. -0.003 min  
Lab File: BG054627.D  
Acq: 12 Aug 2022 18:13

Instrument :  
BNA\_G  
ClientSampleId :  
COMP1

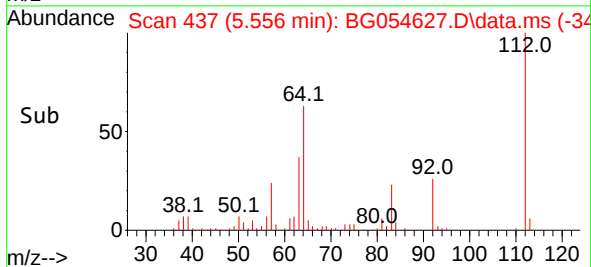
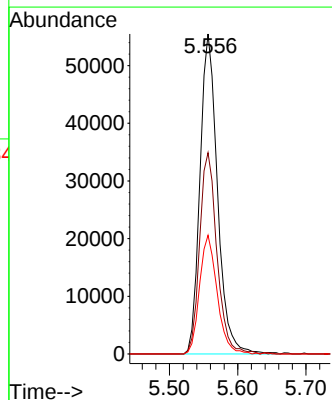
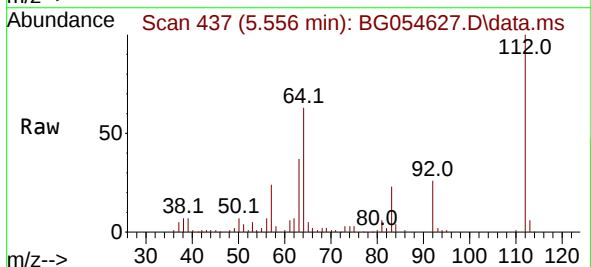


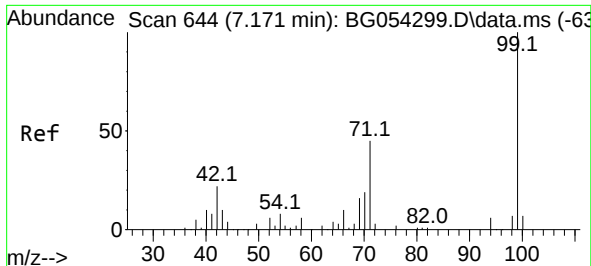
Tgt Ion:152 Resp: 17767  
Ion Ratio Lower Upper  
152 100  
150 153.2 131.6 197.4  
115 62.2 50.9 76.3



#5  
2-Fluorophenol  
Concen: 116.471 ng  
RT: 5.556 min Scan# 437  
Delta R.T. 0.003 min  
Lab File: BG054627.D  
Acq: 12 Aug 2022 18:13

Tgt Ion:112 Resp: 99112  
Ion Ratio Lower Upper  
112 100  
64 62.9 55.1 82.7  
63 37.1 30.4 45.6

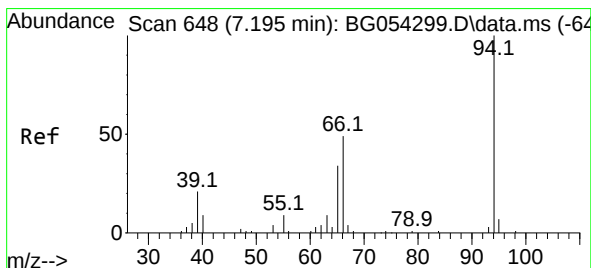
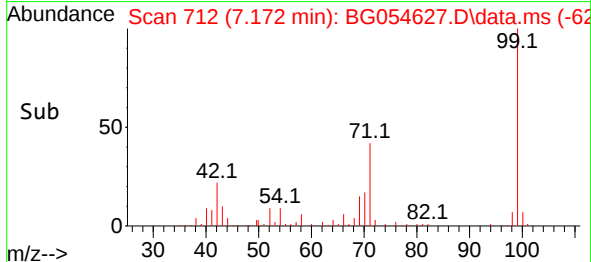
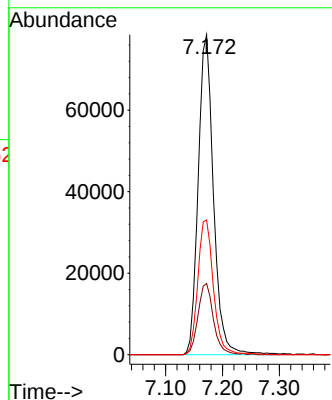
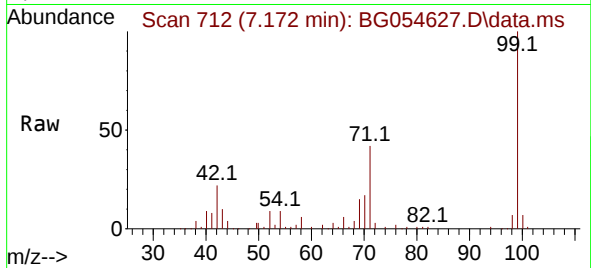




#7  
Phenol-d6  
Concen: 125.942 ng  
RT: 7.172 min Scan# 716  
Delta R.T. 0.003 min  
Lab File: BG054627.D  
Acq: 12 Aug 2022 18:13

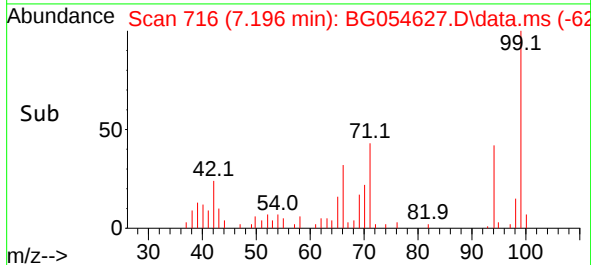
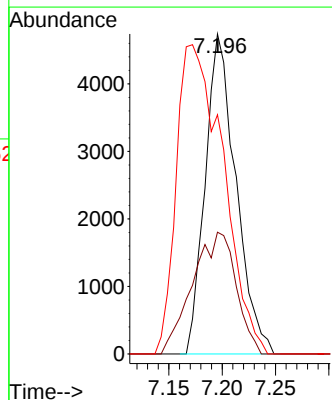
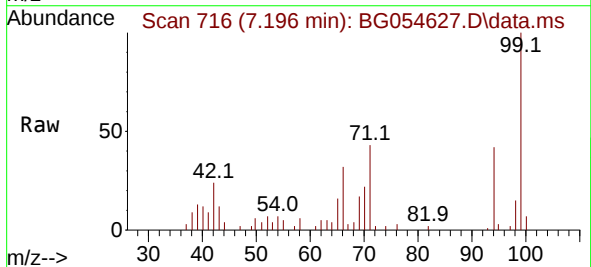
Instrument :  
BNA\_G  
ClientSampleId :  
COMP1

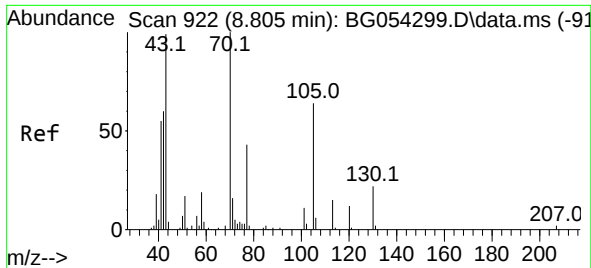
Tgt Ion: 99 Resp: 146851  
Ion Ratio Lower Upper  
99 100  
42 22.2 17.0 25.6  
71 42.1 33.8 50.8



#10  
Phenol  
Concen: 8.182 ng  
RT: 7.196 min Scan# 716  
Delta R.T. -0.003 min  
Lab File: BG054627.D  
Acq: 12 Aug 2022 18:13

Tgt Ion: 94 Resp: 9479  
Ion Ratio Lower Upper  
94 100  
65 38.1 14.8 54.8  
66 74.7 25.2 65.2#

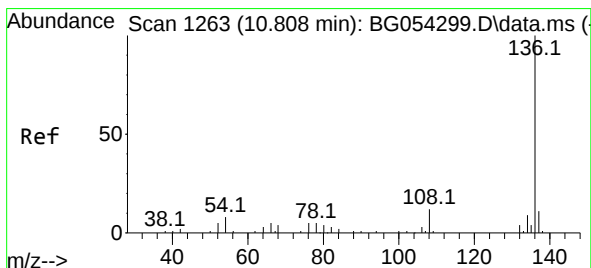
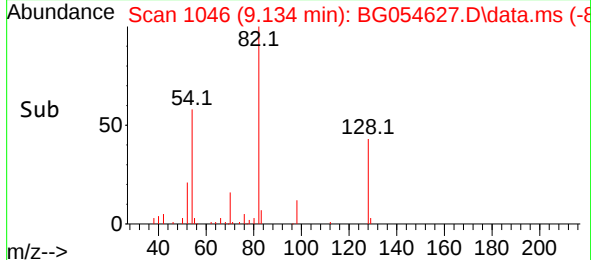
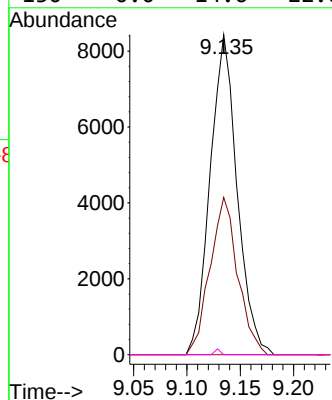
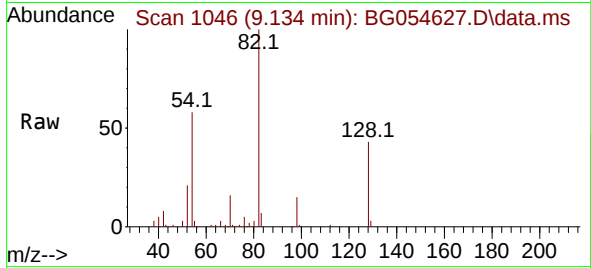




#19  
n-Nitroso-di-n-propylamine  
Concen: 19.052 ng  
RT: 9.134 min Scan# 1046  
Delta R.T. 0.356 min  
Lab File: BG054627.D  
Acq: 12 Aug 2022 18:13

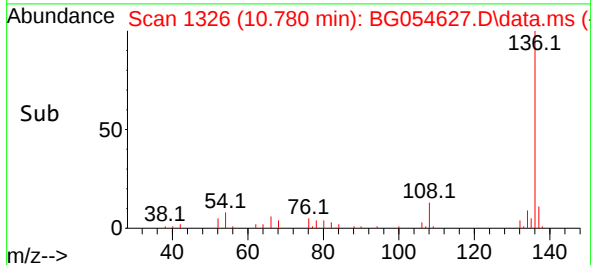
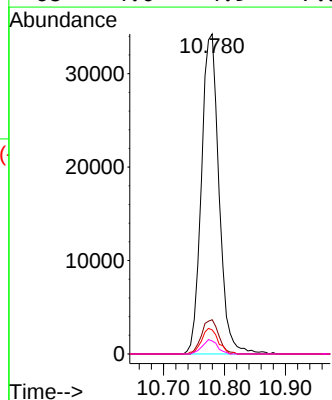
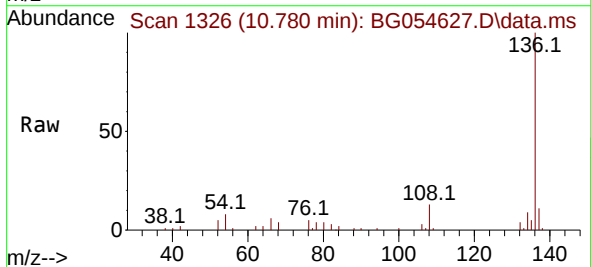
Instrument :  
BNA\_G  
ClientSampleId :  
COMP1

|             |             |
|-------------|-------------|
| Tgt Ion: 70 | Resp: 14835 |
| Ion Ratio   | Lower Upper |
| 70 100      |             |
| 42 49.1     | 47.3 70.9   |
| 101 0.0     | 7.0 10.4#   |
| 130 0.0     | 14.6 22.0#  |



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.780 min Scan# 1326  
Delta R.T. 0.003 min  
Lab File: BG054627.D  
Acq: 12 Aug 2022 18:13

|              |             |
|--------------|-------------|
| Tgt Ion: 136 | Resp: 68751 |
| Ion Ratio    | Lower Upper |
| 136 100      |             |
| 137 10.7     | 8.5 12.7    |
| 54 7.5       | 7.4 11.2    |
| 68 4.0       | 4.9 7.3#    |

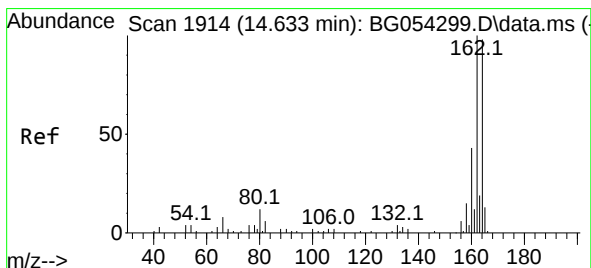
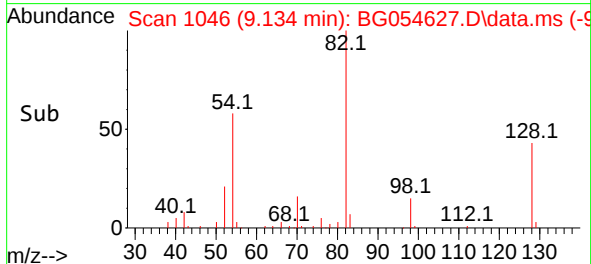
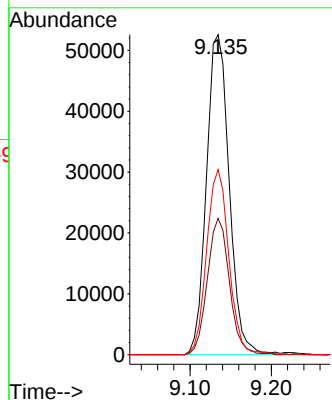
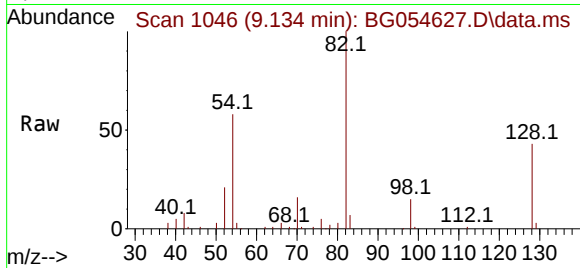




#23  
Nitrobenzene-d5  
Concen: 80.963 ng  
RT: 9.134 min Scan# 1046  
Delta R.T. -0.003 min  
Lab File: BG054627.D  
Acq: 12 Aug 2022 18:13

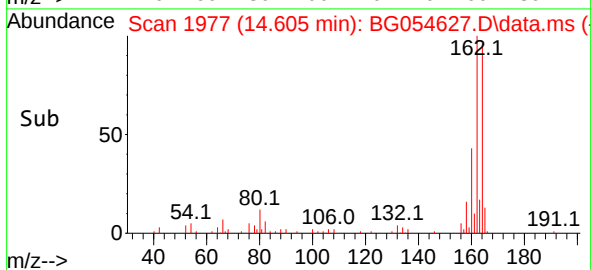
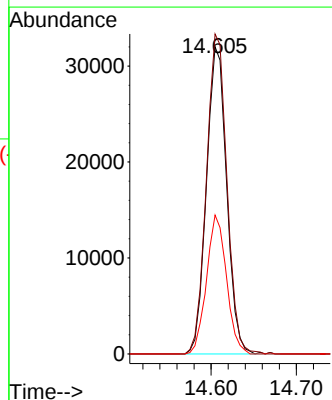
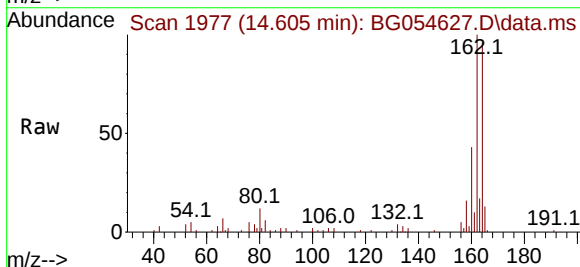
Instrument :  
BNA\_G  
ClientSampleId :  
COMP1

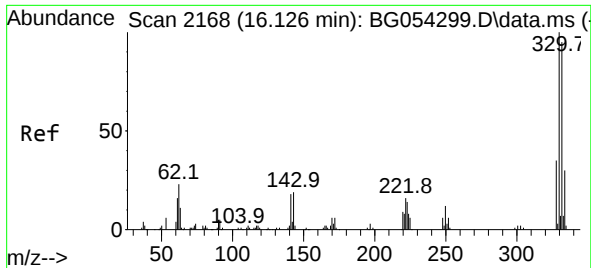
Tgt Ion: 82 Resp: 102214  
Ion Ratio Lower Upper  
82 100  
128 42.6 27.9 41.9#  
54 57.9 41.2 61.8



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.605 min Scan# 1977  
Delta R.T. -0.003 min  
Lab File: BG054627.D  
Acq: 12 Aug 2022 18:13

Tgt Ion:164 Resp: 52636  
Ion Ratio Lower Upper  
164 100  
162 104.2 82.3 123.5  
160 45.2 34.2 51.2

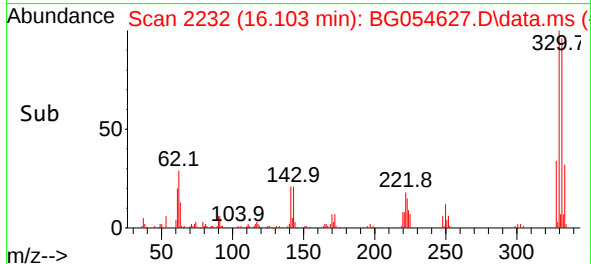
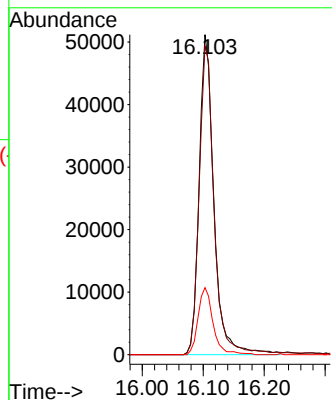
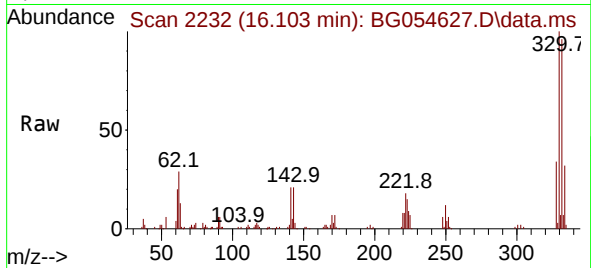




#42  
 2,4,6-Tribromophenol  
 Concen: 77.843 ng  
 RT: 16.103 min Scan# 2168  
 Delta R.T. -0.009 min  
 Lab File: BG054627.D  
 Acq: 12 Aug 2022 18:13

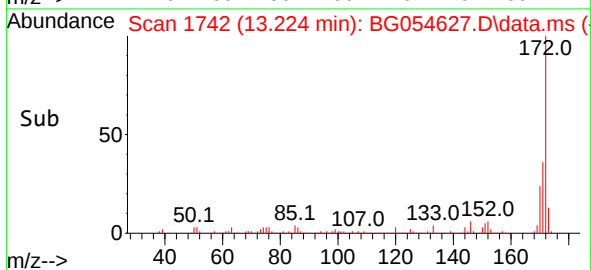
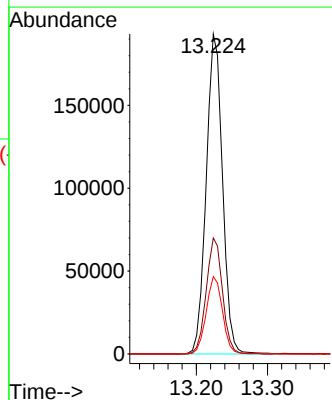
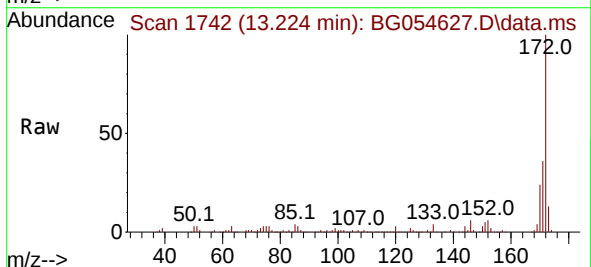
Instrument :  
 BNA\_G  
 ClientSampleId :  
 COMP1

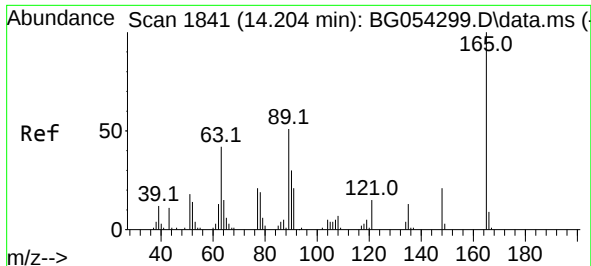
Tgt Ion:330 Resp: 86029  
 Ion Ratio Lower Upper  
 330 100  
 332 97.2 76.0 114.0  
 141 21.2 27.1 40.7#



#45  
 2-Fluorobiphenyl  
 Concen: 82.761 ng  
 RT: 13.224 min Scan# 1742  
 Delta R.T. -0.003 min  
 Lab File: BG054627.D  
 Acq: 12 Aug 2022 18:13

Tgt Ion:172 Resp: 308800  
 Ion Ratio Lower Upper  
 172 100  
 171 36.3 28.5 42.7  
 170 24.1 18.9 28.3

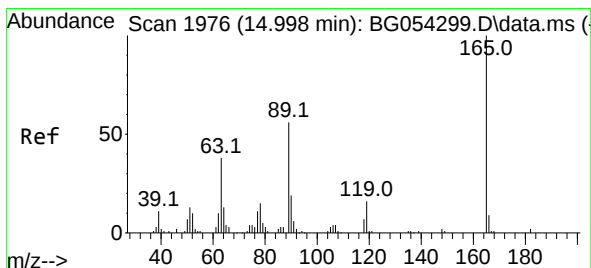
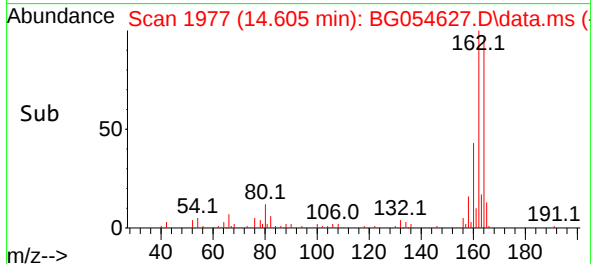
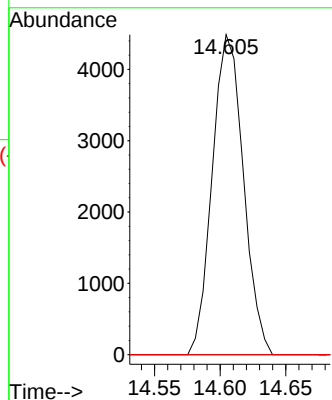
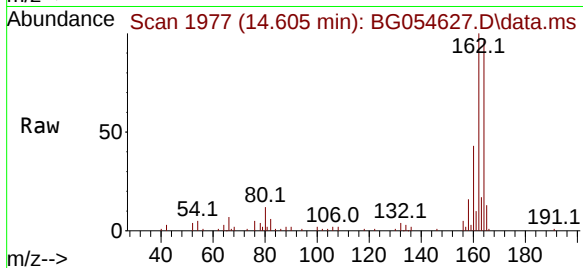




#51  
2,6-Dinitrotoluene  
Concen: 8.205 ng  
RT: 14.605 min Scan# 1977  
Delta R.T. 0.414 min  
Lab File: BG054627.D  
Acq: 12 Aug 2022 18:13

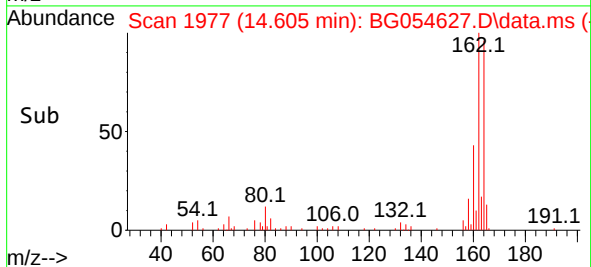
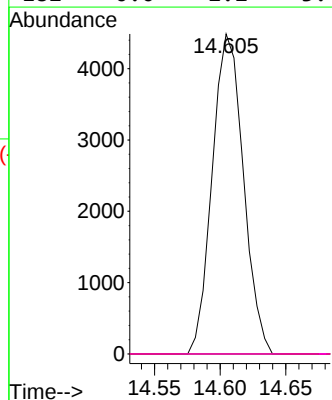
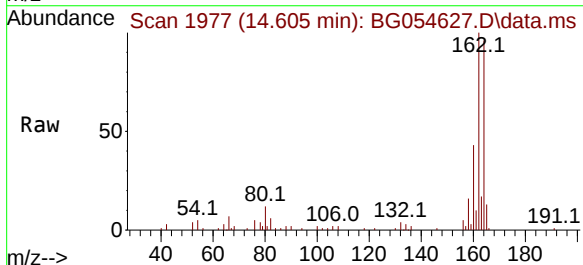
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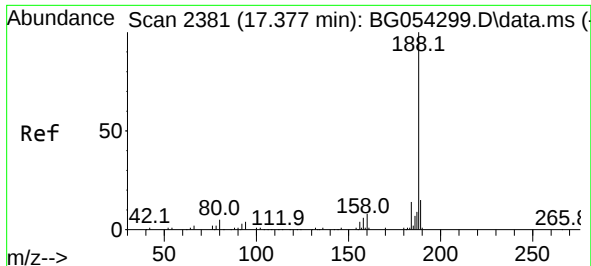
Tgt Ion:165 Resp: 7399  
Ion Ratio Lower Upper  
165 100  
63 0.0 54.1 81.1#  
89 0.0 54.8 82.2#



#57  
2,4-Dinitrotoluene  
Concen: 5.723 ng  
RT: 14.605 min Scan# 1977  
Delta R.T. -0.390 min  
Lab File: BG054627.D  
Acq: 12 Aug 2022 18:13

Tgt Ion:165 Resp: 7399  
Ion Ratio Lower Upper  
165 100  
63 0.0 34.6 52.0#  
89 0.0 60.3 90.5#  
182 0.0 2.2 3.4#

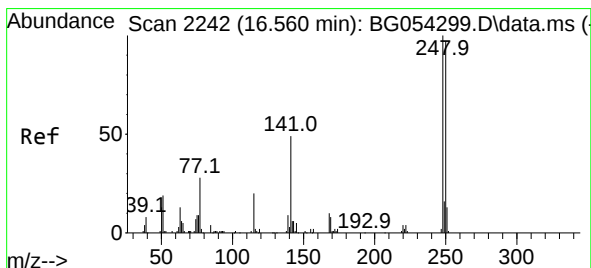
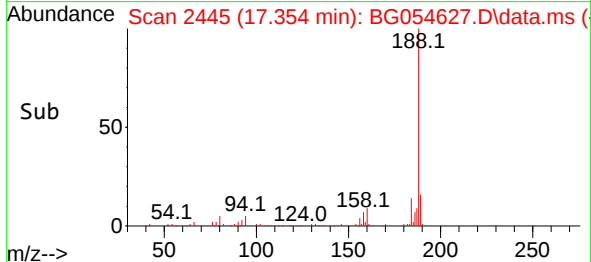
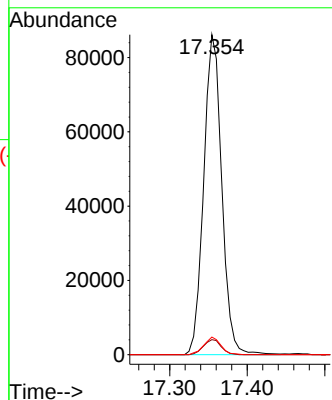
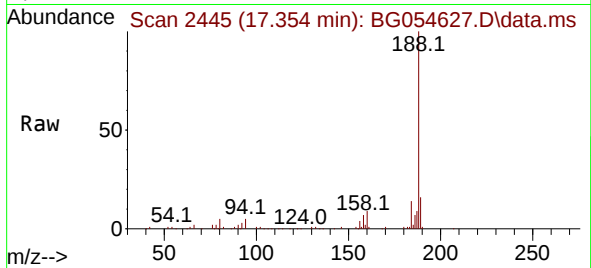




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.354 min Scan# 2445  
Delta R.T. -0.003 min  
Lab File: BG054627.D  
Acq: 12 Aug 2022 18:13

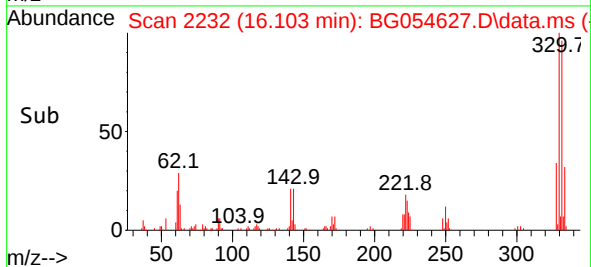
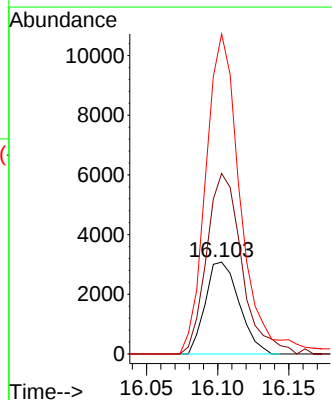
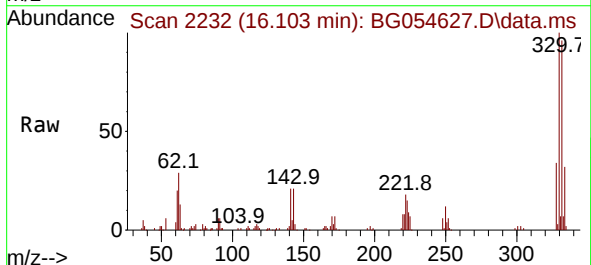
Instrument :  
BNA\_G  
ClientSampleId :  
COMP1

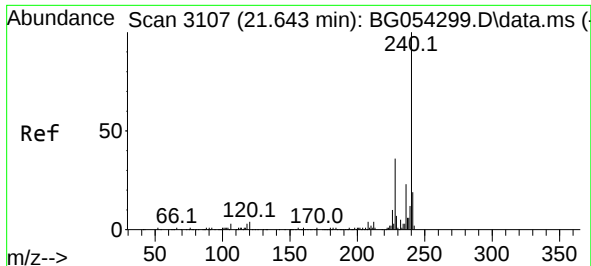
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188 100  
94 4.7 5.4 8.0#  
80 5.5 6.8 10.2#



#67  
4-Bromophenyl-phenylether  
Concen: 2.606 ng  
RT: 16.103 min Scan# 2232  
Delta R.T. -0.437 min  
Lab File: BG054627.D  
Acq: 12 Aug 2022 18:13

Tgt Ion:248 Resp: 5097  
Ion Ratio Lower Upper  
248 100  
250 258.3 75.2 112.8#  
141 348.3 50.0 75.0#

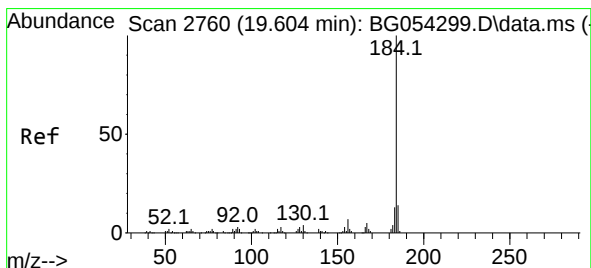
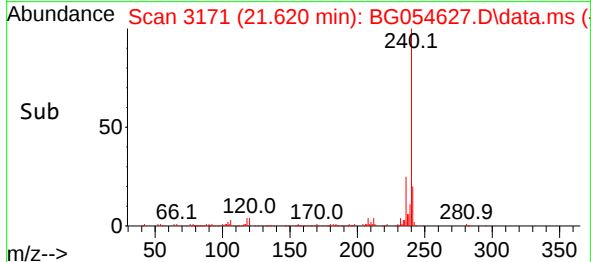
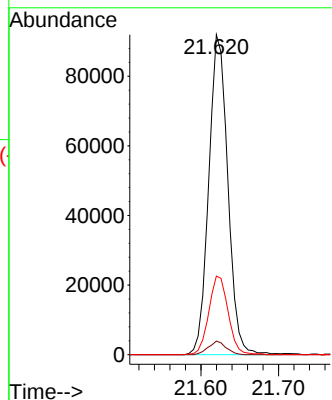
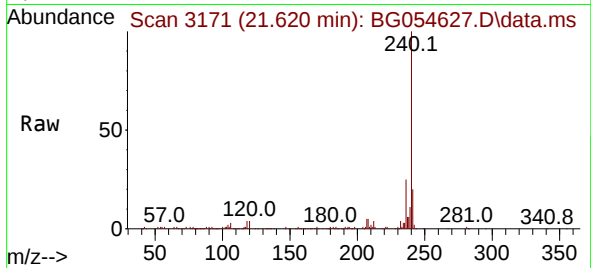




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.620 min Scan# 3107  
Delta R.T. -0.009 min  
Lab File: BG054627.D  
Acq: 12 Aug 2022 18:13

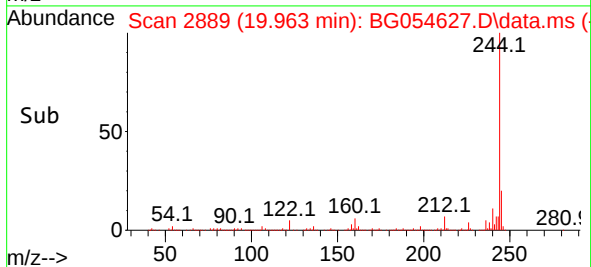
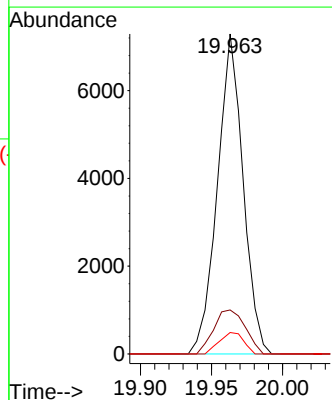
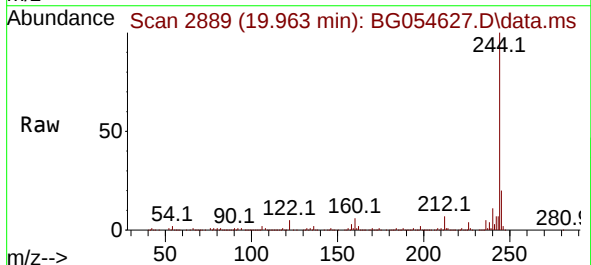
Instrument :  
BNA\_G  
ClientSampleId :  
COMP1

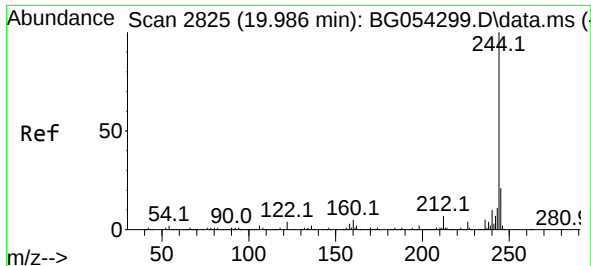
Tgt Ion:240 Resp: 157044  
Ion Ratio Lower Upper  
240 100  
120 4.3 4.6 7.0#  
236 24.6 20.2 30.4



#77  
Benzidine  
Concen: 3.212 ng  
RT: 19.963 min Scan# 2889  
Delta R.T. 0.373 min  
Lab File: BG054627.D  
Acq: 12 Aug 2022 18:13

Tgt Ion:184 Resp: 9136  
Ion Ratio Lower Upper  
184 100  
185 13.7 11.8 17.6  
183 6.7 8.9 13.3#

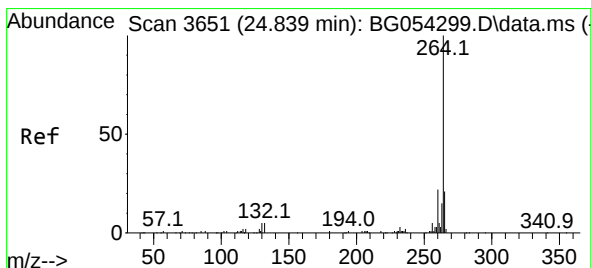
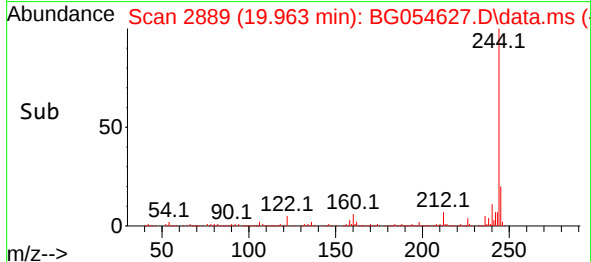
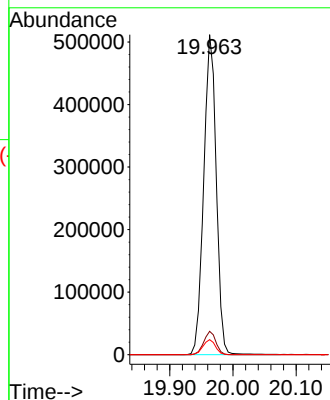
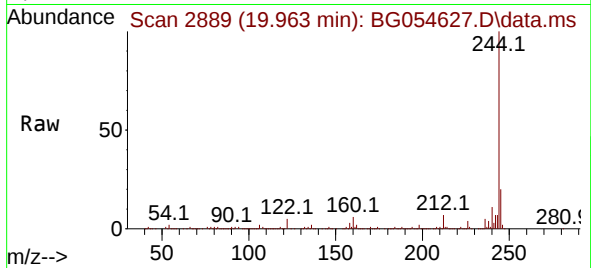




#79  
 Terphenyl-d14  
 Concen: 89.089 ng  
 RT: 19.963 min Scan# 21  
 Delta R.T. -0.003 min  
 Lab File: BG054627.D  
 Acq: 12 Aug 2022 18:13

Instrument :  
 BNA\_G  
 ClientSampleId :  
 COMP1

Tgt Ion:244 Resp: 705257  
 Ion Ratio Lower Upper  
 244 100  
 212 7.3 6.5 9.7  
 122 4.7 5.0 7.4#



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 24.822 min Scan# 3716  
 Delta R.T. -0.003 min  
 Lab File: BG054627.D  
 Acq: 12 Aug 2022 18:13

Tgt Ion:264 Resp: 163023  
 Ion Ratio Lower Upper  
 264 100  
 260 23.8 19.0 28.6  
 265 22.9 17.4 26.2

