

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM033023\  
 Data File : BM039223.D  
 Acq On : 30 Mar 2023 12:34  
 Operator : CG/JU  
 Sample : 01950-06  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PT-ACIDS-WP

Quant Time: Mar 30 13:05:21 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM032923.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Mar 30 05:15:45 2023  
 Response via : Initial Calibration

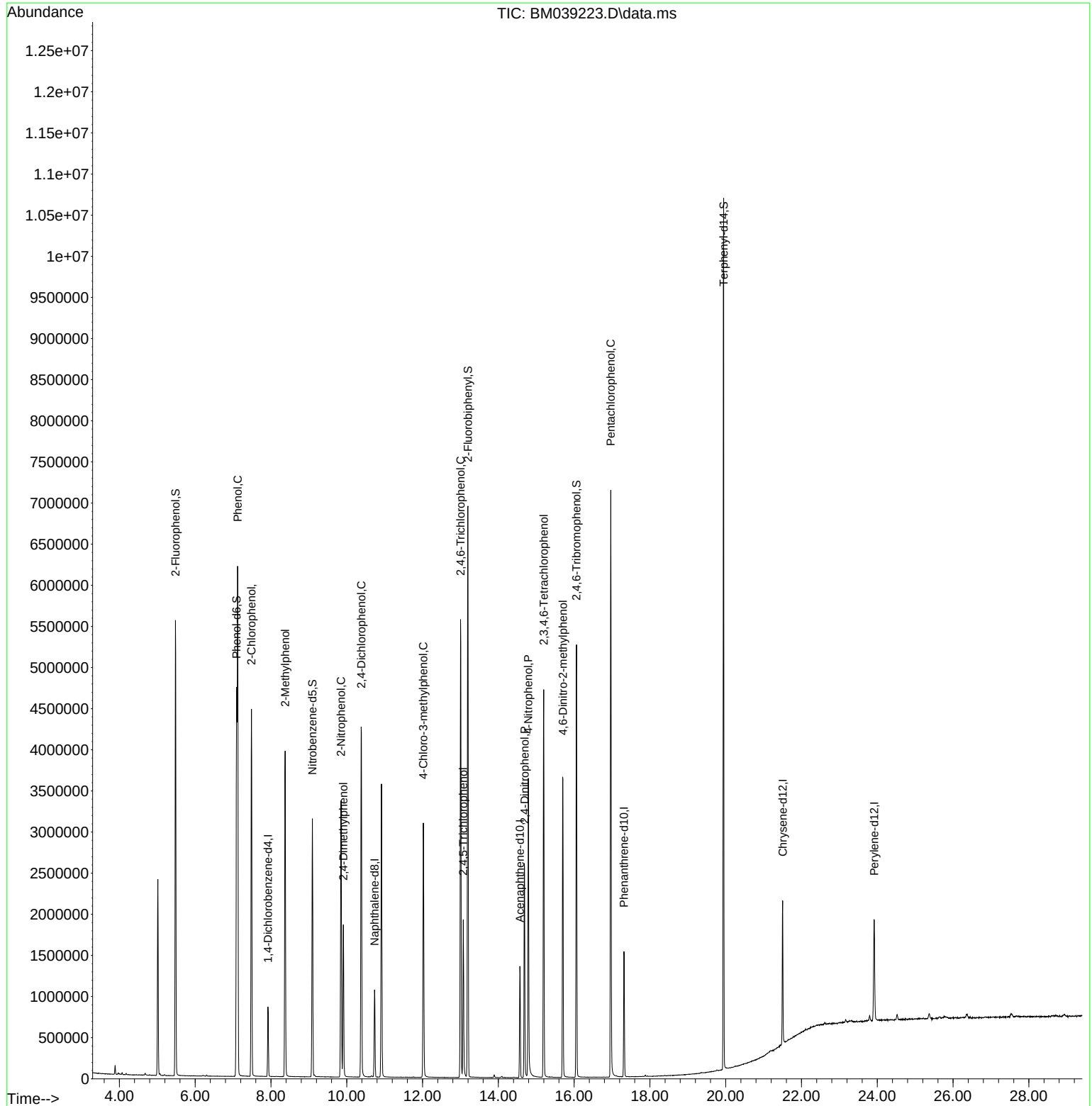
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.922  | 152  | 219659   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.733 | 136  | 836775   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.568 | 164  | 451146   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.315 | 188  | 894251   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 21.503 | 240  | 783937   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 23.921 | 264  | 939651   | 20.000  | ng    | 0.00     |
|                               |        |      |          |         |       |          |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.481  | 112  | 2339995  | 160.496 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.092  | 99   | 2906527  | 154.129 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.092  | 82   | 1783012  | 103.563 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.062 | 330  | 896528   | 156.548 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.198 | 172  | 3561461  | 106.960 | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.945 | 244  | 4869937  | 114.773 | ng    | 0.00     |
|                               |        |      |          |         |       |          |
| Target Compounds              |        |      |          |         |       | Qvalue   |
| 8) 2-Chlorophenol             | 7.487  | 128  | 1936239  | 129.752 | ng    | 99       |
| 10) Phenol                    | 7.122  | 94   | 3261791  | 172.599 | ng    | 99       |
| 17) 2-Methylphenol            | 8.375  | 107  | 1183102  | 89.481  | ng    | 99       |
| 26) 2-Nitrophenol             | 9.851  | 139  | 1081751  | 136.651 | ng    | 97       |
| 27) 2,4-Dimethylphenol        | 9.910  | 122  | 559506   | 42.539  | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 10.386 | 162  | 1515238  | 118.074 | ng    | 100      |
| 36) 4-Chloro-3-methylphenol   | 12.022 | 107  | 1056382  | 74.610  | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 13.004 | 196  | 1260712  | 134.582 | ng    | 99       |
| 44) 2,4,5-Trichlorophenol     | 13.074 | 196  | 505711   | 46.050  | ng    | 99       |
| 54) 2,4-Dinitrophenol         | 14.692 | 184  | 525156   | 118.603 | ng    | 96       |
| 56) 4-Nitrophenol             | 14.792 | 139  | 979151   | 146.904 | ng    | 95       |
| 59) 2,3,4,6-Tetrachlorophenol | 15.198 | 232  | 875916   | 100.261 | ng    | 100      |
| 65) 4,6-Dinitro-2-methylph... | 15.704 | 198  | 776508   | 131.990 | ng    | 94       |
| 70) Pentachlorophenol         | 16.968 | 266  | 1195158  | 160.872 | ng    | 99       |
| -----                         |        |      |          |         |       |          |

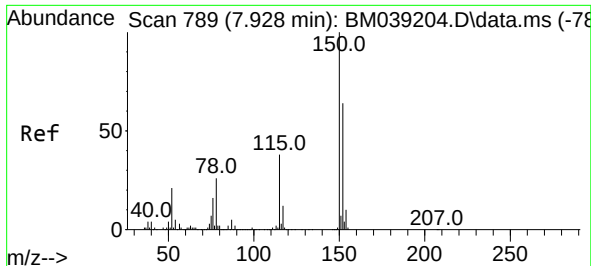
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Mar 30 05:15:45 2023  
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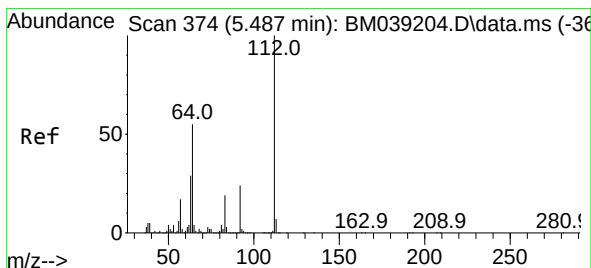
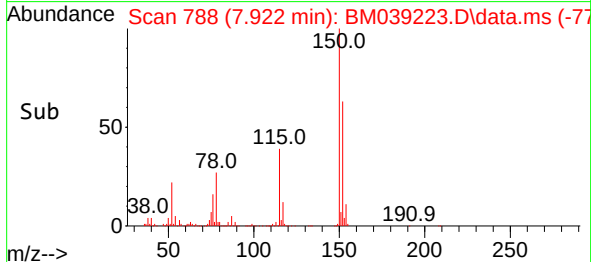
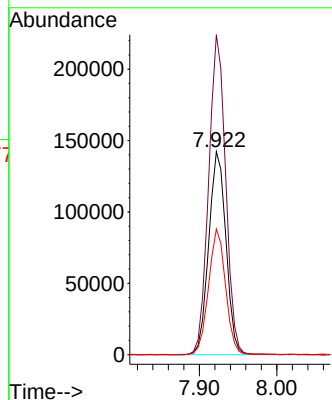
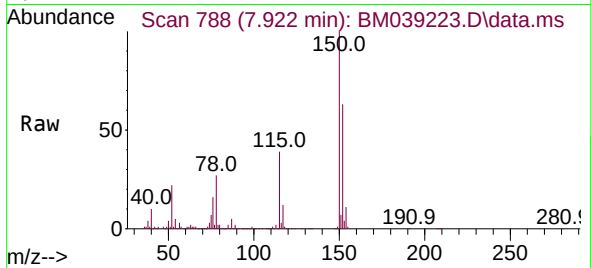




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.922 min Scan# 789  
Delta R.T. -0.006 min  
Lab File: BM039223.D  
Acq: 30 Mar 2023 12:34

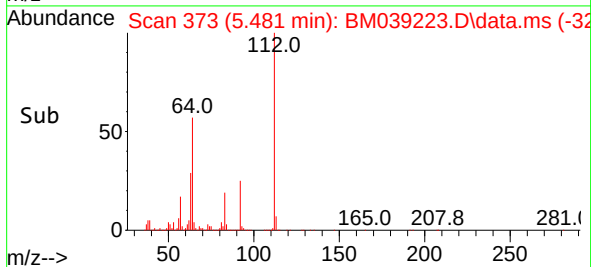
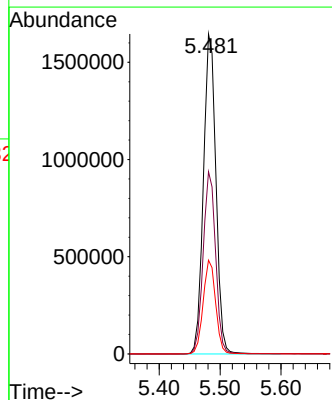
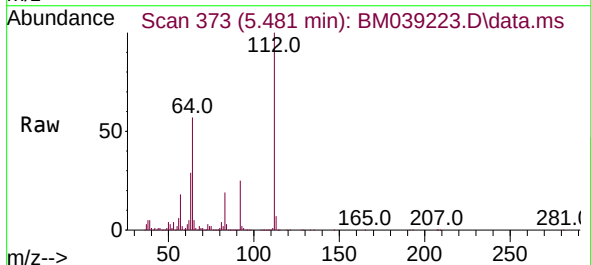
Instrument :  
BNA\_M  
ClientSampleId :  
PT-ACIDS-WP

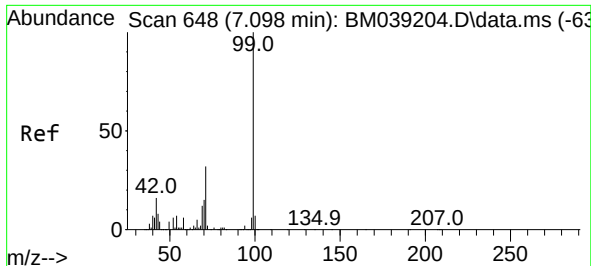
Tgt Ion:152 Resp: 219659  
Ion Ratio Lower Upper  
152 100  
150 157.7 125.5 188.3  
115 61.8 48.1 72.1



#5  
2-Fluorophenol  
Concen: 160.496 ng  
RT: 5.481 min Scan# 373  
Delta R.T. -0.006 min  
Lab File: BM039223.D  
Acq: 30 Mar 2023 12:34

Tgt Ion:112 Resp: 2339995  
Ion Ratio Lower Upper  
112 100  
64 56.9 44.3 66.5  
63 29.3 23.0 34.6

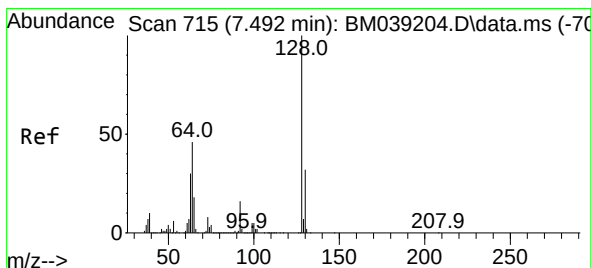
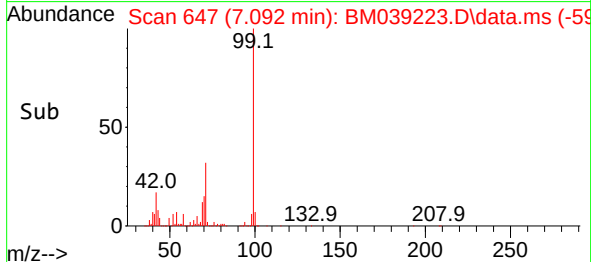
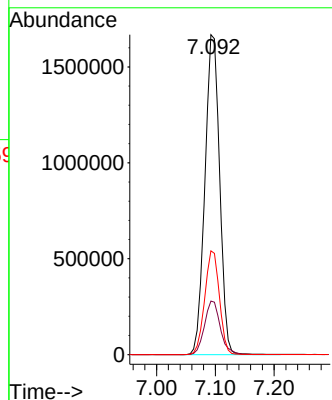
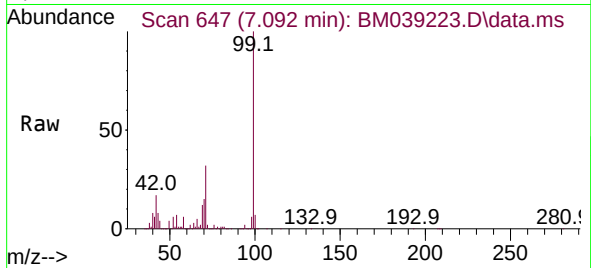




#7  
Phenol-d6  
Concen: 154.129 ng  
RT: 7.092 min Scan# 64  
Delta R.T. -0.006 min  
Lab File: BM039223.D  
Acq: 30 Mar 2023 12:34

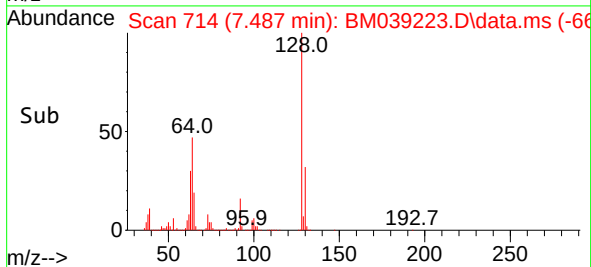
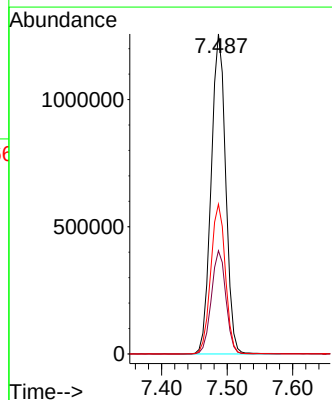
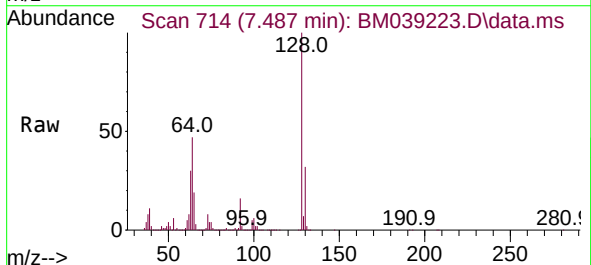
Instrument :  
BNA\_M  
ClientSampleId :  
PT-ACIDS-WP

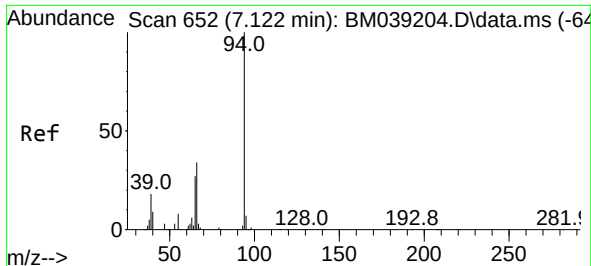
Tgt Ion: 99 Resp: 2906527  
Ion Ratio Lower Upper  
99 100  
42 16.7 13.0 19.6  
71 32.4 25.5 38.3



#8  
2-Chlorophenol  
Concen: 129.752 ng  
RT: 7.487 min Scan# 714  
Delta R.T. -0.006 min  
Lab File: BM039223.D  
Acq: 30 Mar 2023 12:34

Tgt Ion: 128 Resp: 1936239  
Ion Ratio Lower Upper  
128 100  
130 32.2 12.2 52.2  
64 46.8 25.9 65.9

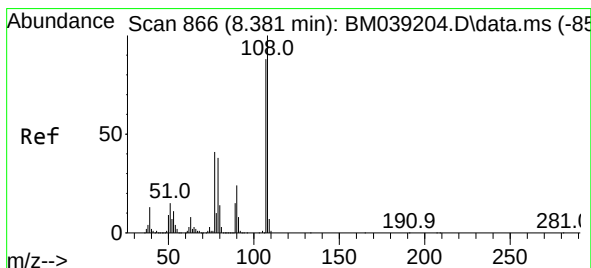
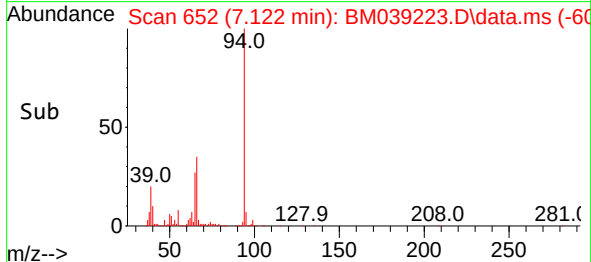
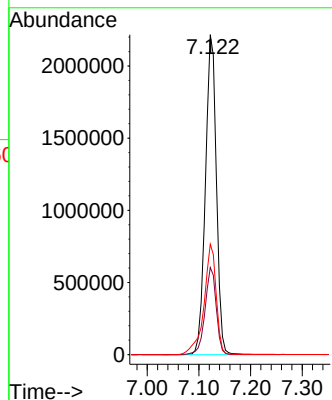
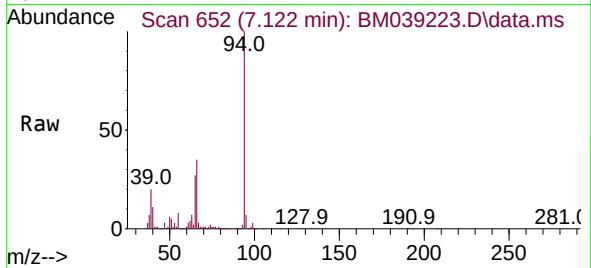




#10  
Phenol  
Concen: 172.599 ng  
RT: 7.122 min Scan# 652  
Delta R.T. -0.000 min  
Lab File: BM039223.D  
Acq: 30 Mar 2023 12:34

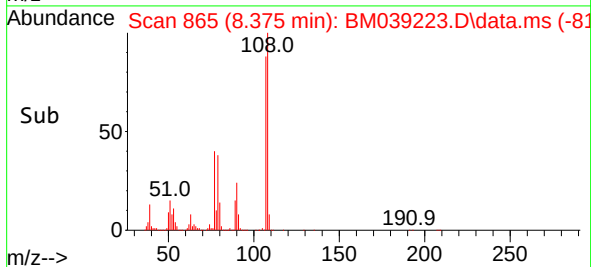
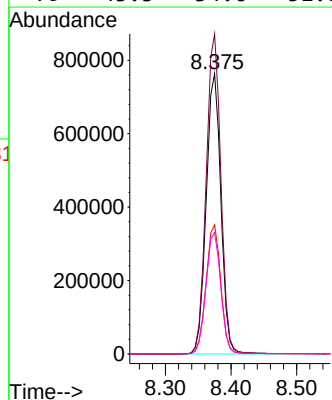
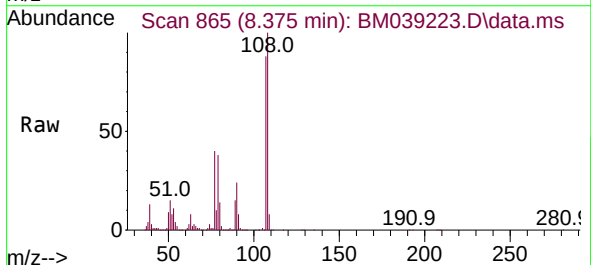
Instrument :  
BNA\_M  
ClientSampleId :  
PT-ACIDS-WP

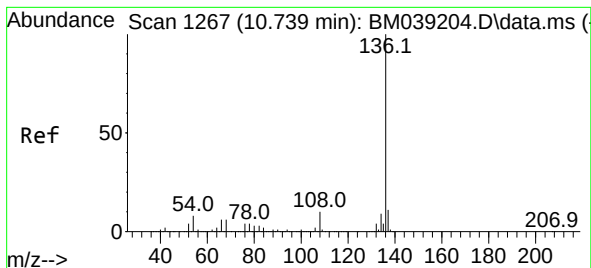
Tgt Ion: 94 Resp: 3261791  
Ion Ratio Lower Upper  
94 100  
65 27.2 7.2 47.2  
66 34.6 15.2 55.2



#17  
2-Methylphenol  
Concen: 89.481 ng  
RT: 8.375 min Scan# 865  
Delta R.T. -0.006 min  
Lab File: BM039223.D  
Acq: 30 Mar 2023 12:34

Tgt Ion: 107 Resp: 1183102  
Ion Ratio Lower Upper  
107 100  
108 114.2 90.6 136.0  
77 46.0 37.0 55.4  
79 43.3 34.6 51.8





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.733 min Scan# 11

Delta R.T. -0.006 min

Lab File: BM039223.D

Acq: 30 Mar 2023 12:34

Instrument :

BNA\_M

ClientSampleId :

PT-ACIDS-WP

Tgt Ion:136 Resp: 836775

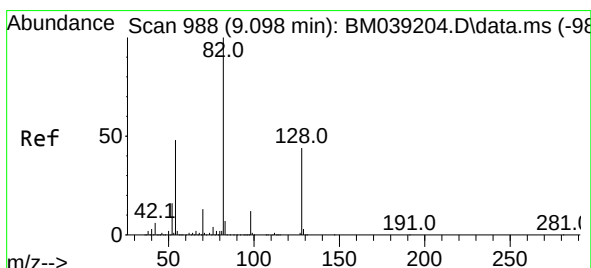
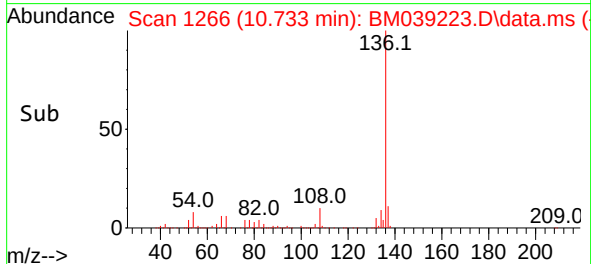
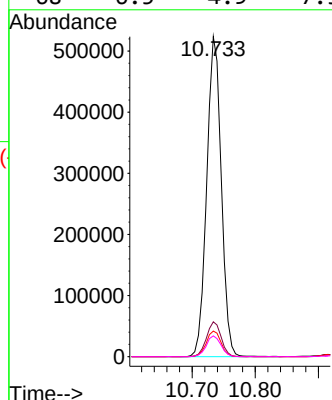
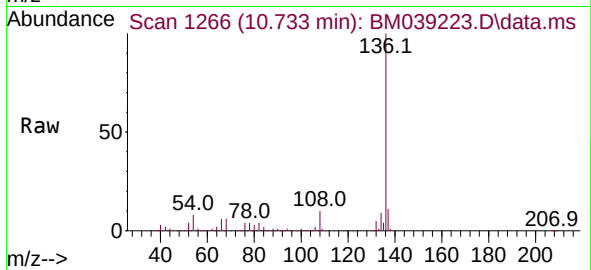
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 8.0 6.2 9.4

68 6.5 4.9 7.3



#23

Nitrobenzene-d5

Concen: 103.563 ng

RT: 9.092 min Scan# 987

Delta R.T. -0.006 min

Lab File: BM039223.D

Acq: 30 Mar 2023 12:34

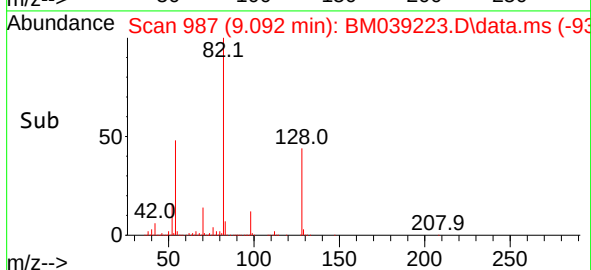
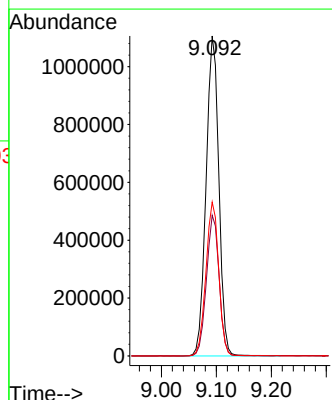
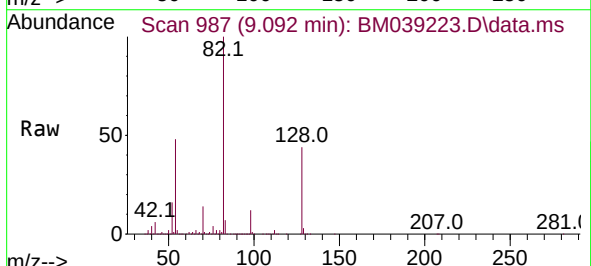
Tgt Ion: 82 Resp: 1783012

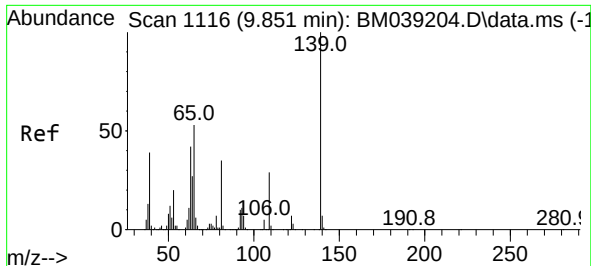
Ion Ratio Lower Upper

82 100

128 43.9 35.1 52.7

54 48.1 38.5 57.7

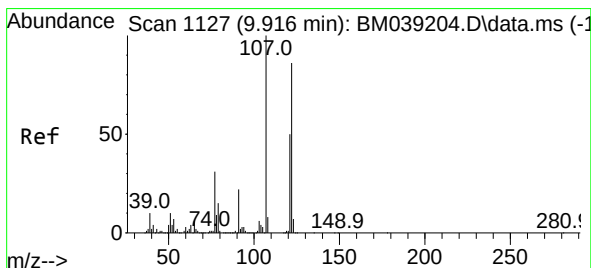
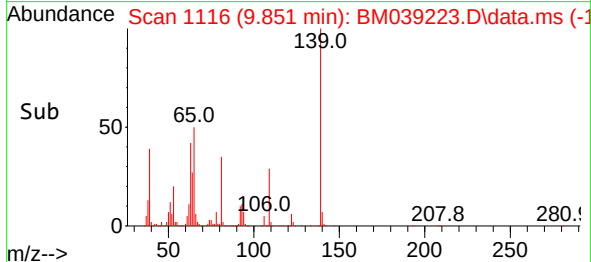
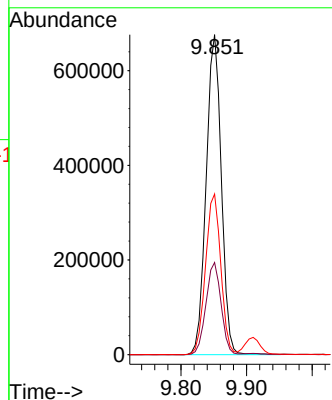
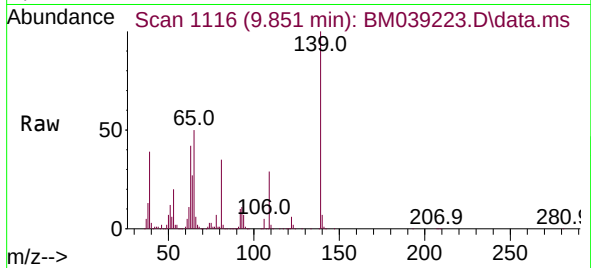




#26  
2-Nitrophenol  
Concen: 136.651 ng  
RT: 9.851 min Scan# 1116  
Delta R.T. -0.000 min  
Lab File: BM039223.D  
Acq: 30 Mar 2023 12:34

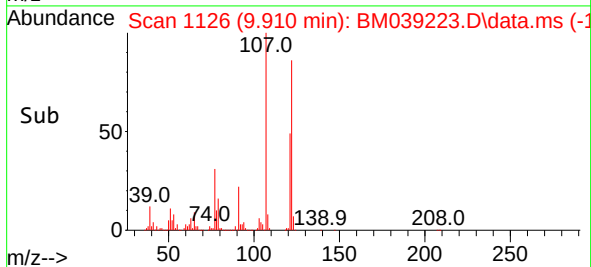
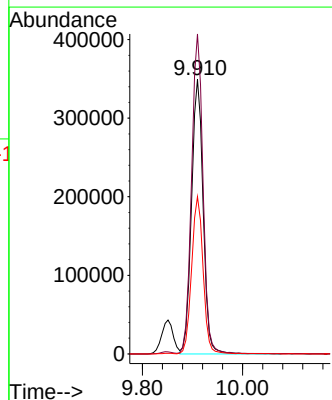
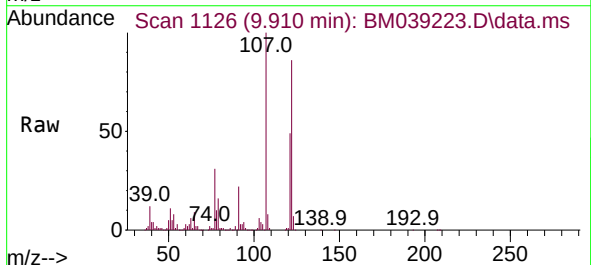
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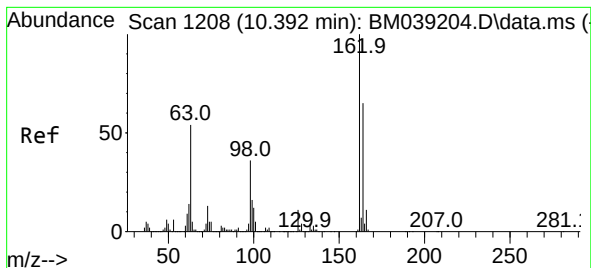
Tgt Ion:139 Resp: 1081751  
Ion Ratio Lower Upper  
139 100  
109 28.8 23.4 35.0  
65 50.2 42.2 63.2



#27  
2,4-Dimethylphenol  
Concen: 42.539 ng  
RT: 9.910 min Scan# 1126  
Delta R.T. -0.006 min  
Lab File: BM039223.D  
Acq: 30 Mar 2023 12:34

Tgt Ion:122 Resp: 559506  
Ion Ratio Lower Upper  
122 100  
107 116.6 92.3 138.5  
121 57.3 46.3 69.5





#29

2,4-Dichlorophenol

Concen: 118.074 ng

RT: 10.386 min Scan# 11

Delta R.T. -0.006 min

Lab File: BM039223.D

Acq: 30 Mar 2023 12:34

Instrument :

BNA\_M

ClientSampleId :

PT-ACIDS-WP

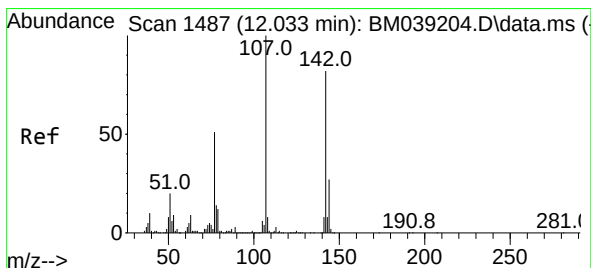
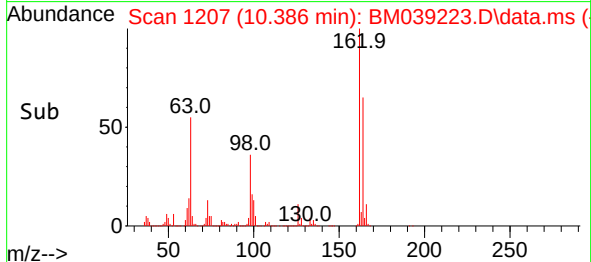
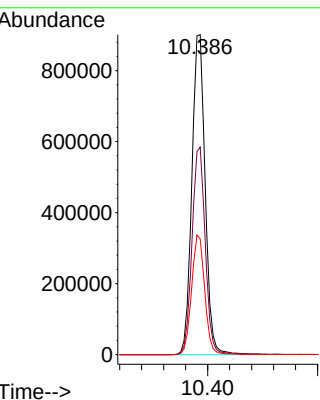
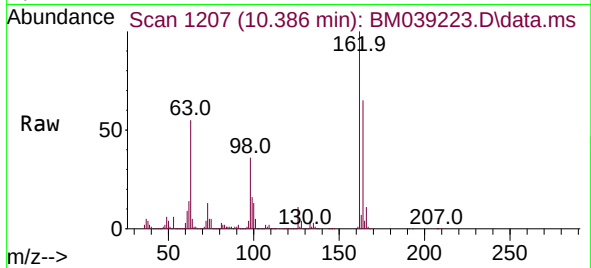
Tgt Ion:162 Resp: 1515238

Ion Ratio Lower Upper

162 100

164 64.8 44.8 84.8

98 36.1 16.0 56.0



#36

4-Chloro-3-methylphenol

Concen: 74.610 ng

RT: 12.022 min Scan# 1485

Delta R.T. -0.012 min

Lab File: BM039223.D

Acq: 30 Mar 2023 12:34

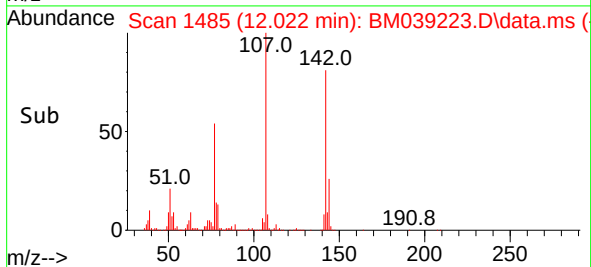
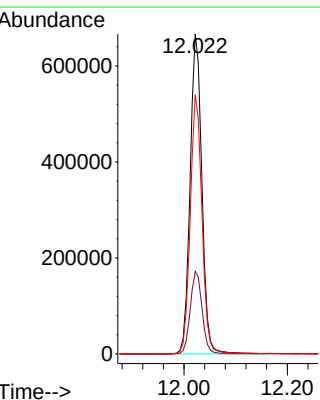
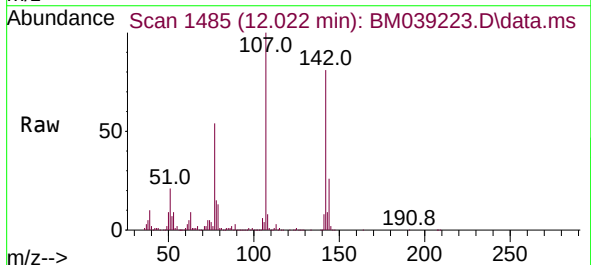
Tgt Ion:107 Resp: 1056382

Ion Ratio Lower Upper

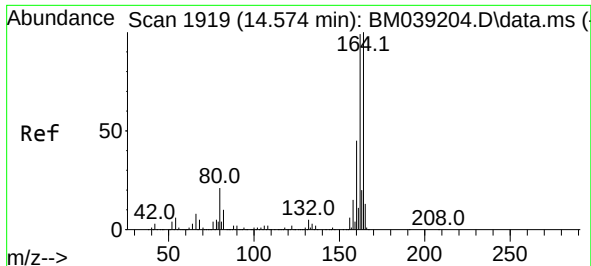
107 100

144 25.8 21.4 32.2

142 81.0 65.2 97.8



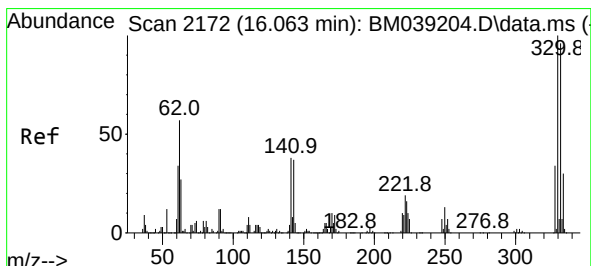
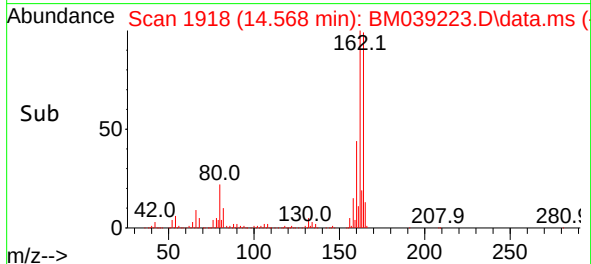
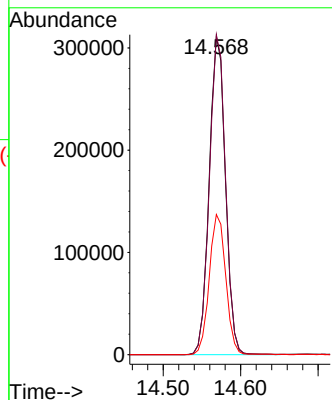
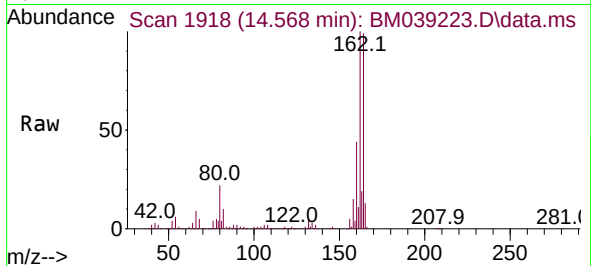




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.568 min Scan# 1919  
Delta R.T. -0.006 min  
Lab File: BM039223.D  
Acq: 30 Mar 2023 12:34

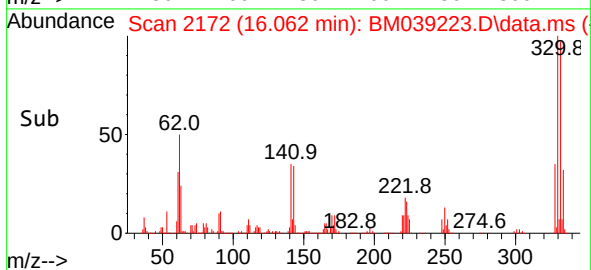
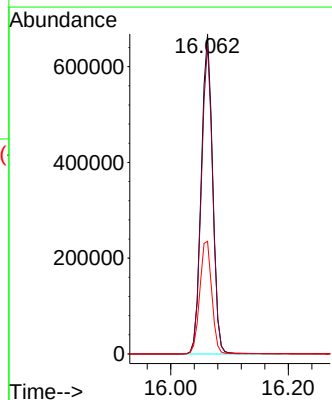
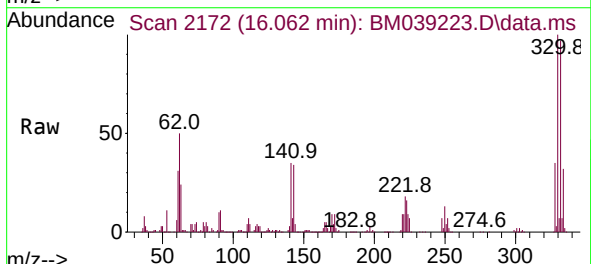
Instrument :  
BNA\_M  
ClientSampleId :  
PT-ACIDS-WP

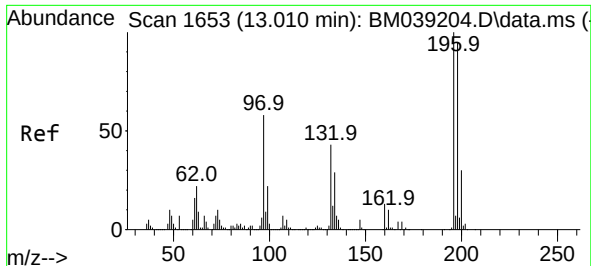
Tgt Ion:164 Resp: 451146  
Ion Ratio Lower Upper  
164 100  
162 100.5 79.1 118.7  
160 44.0 35.8 53.8



#42  
2,4,6-Tribromophenol  
Concen: 156.548 ng  
RT: 16.062 min Scan# 2172  
Delta R.T. -0.000 min  
Lab File: BM039223.D  
Acq: 30 Mar 2023 12:34

Tgt Ion:330 Resp: 896528  
Ion Ratio Lower Upper  
330 100  
332 96.3 77.4 116.0  
141 37.0 29.8 44.6

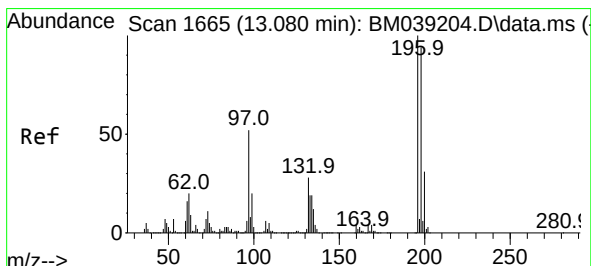
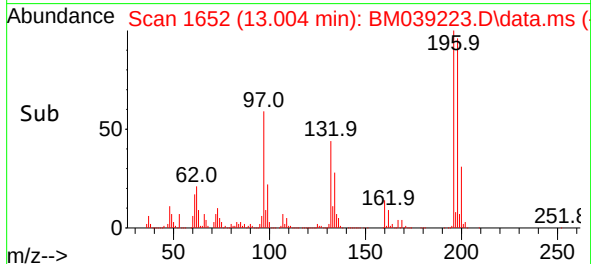
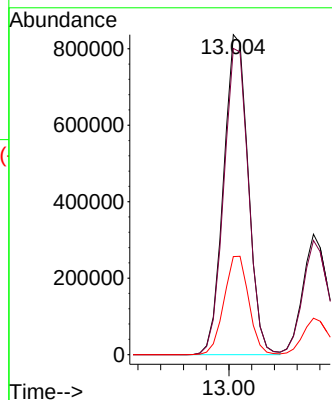
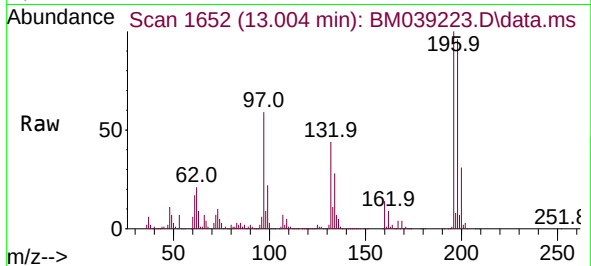




#43  
2,4,6-Trichlorophenol  
Concen: 134.582 ng  
RT: 13.004 min Scan# 1653  
Delta R.T. -0.006 min  
Lab File: BM039223.D  
Acq: 30 Mar 2023 12:34

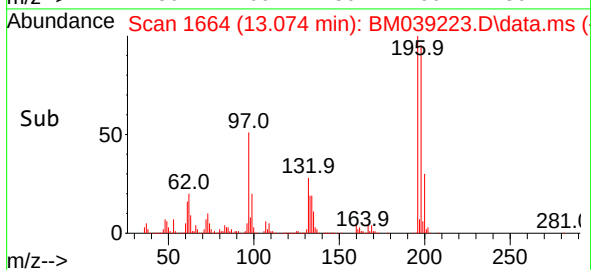
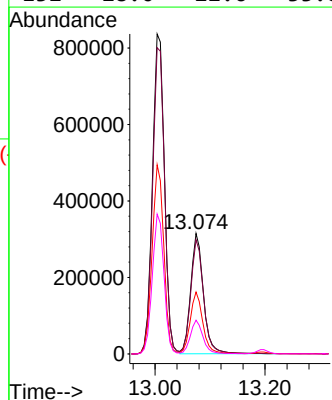
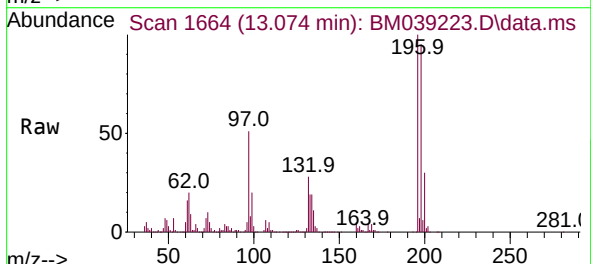
Instrument :  
BNA\_M  
ClientSampleId :  
PT-ACIDS-WP

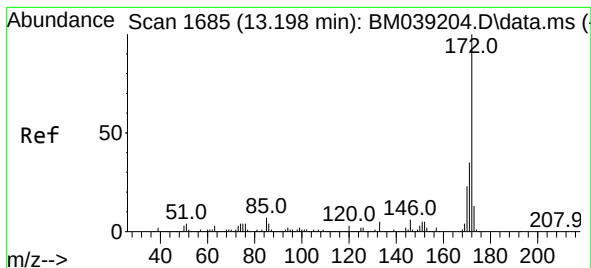
Tgt Ion:196 Resp: 1260712  
Ion Ratio Lower Upper  
196 100  
198 95.7 76.2 114.2  
200 30.6 24.2 36.2



#44  
2,4,5-Trichlorophenol  
Concen: 46.050 ng  
RT: 13.074 min Scan# 1664  
Delta R.T. -0.006 min  
Lab File: BM039223.D  
Acq: 30 Mar 2023 12:34

Tgt Ion:196 Resp: 505711  
Ion Ratio Lower Upper  
196 100  
198 94.8 75.2 112.8  
97 51.4 41.4 62.0  
132 28.0 22.6 33.8

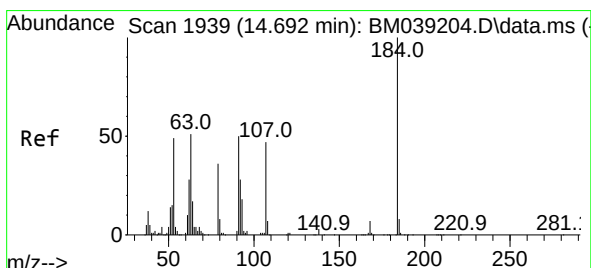
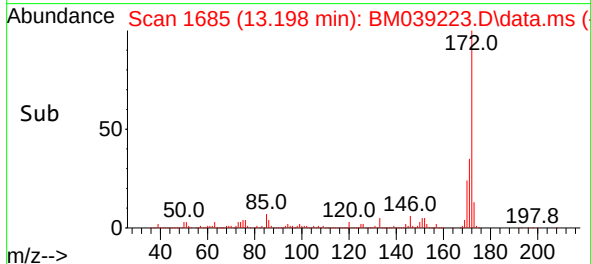
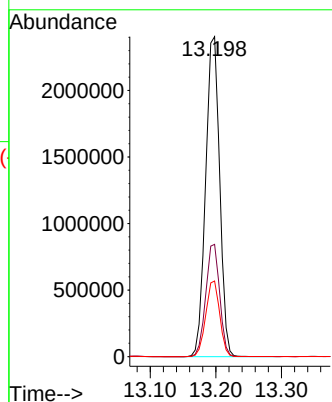
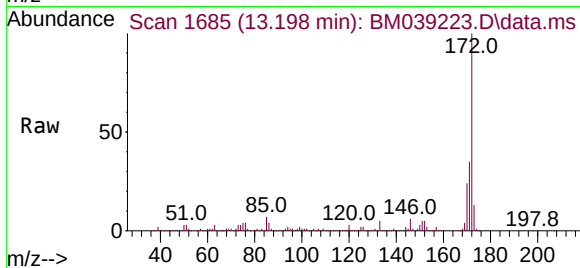




#45  
2-Fluorobiphenyl  
Concen: 106.960 ng  
RT: 13.198 min Scan# 1685  
Delta R.T. -0.000 min  
Lab File: BM039223.D  
Acq: 30 Mar 2023 12:34

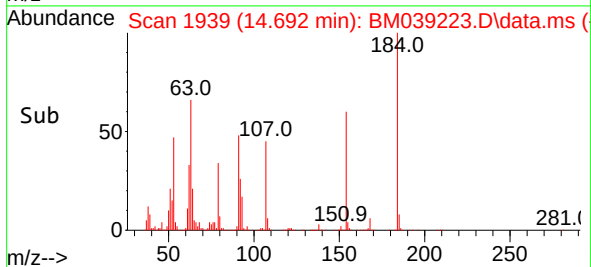
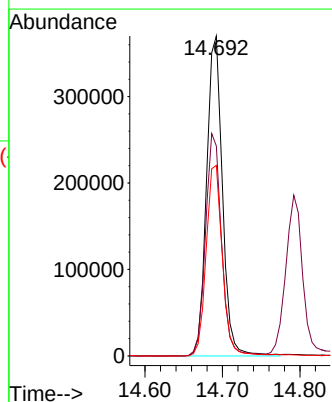
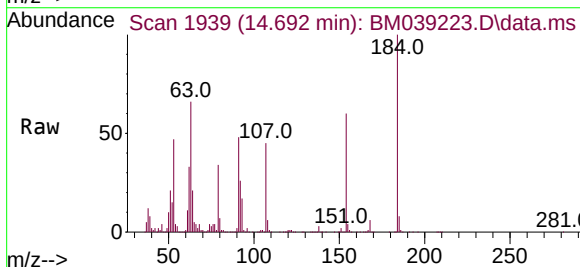
Instrument :  
BNA\_M  
ClientSampleId :  
PT-ACIDS-WP

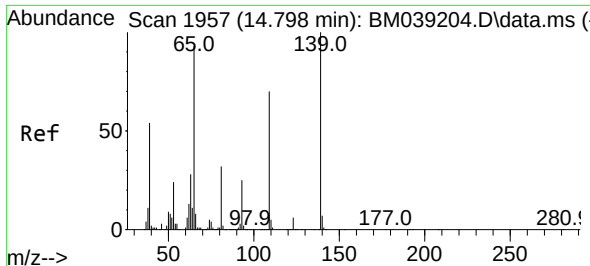
Tgt Ion:172 Resp: 3561461  
Ion Ratio Lower Upper  
172 100  
171 35.1 28.0 42.0  
170 23.6 18.7 28.1



#54  
2,4-Dinitrophenol  
Concen: 118.603 ng  
RT: 14.692 min Scan# 1939  
Delta R.T. -0.000 min  
Lab File: BM039223.D  
Acq: 30 Mar 2023 12:34

Tgt Ion:184 Resp: 525156  
Ion Ratio Lower Upper  
184 100  
63 65.6 56.4 84.6  
154 59.5 48.7 73.1

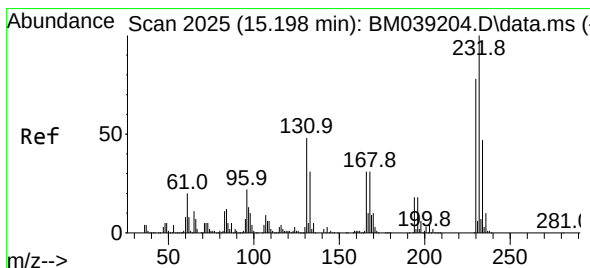
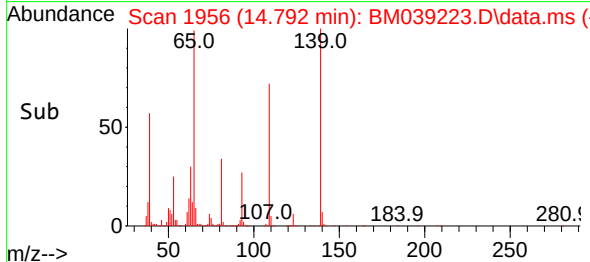
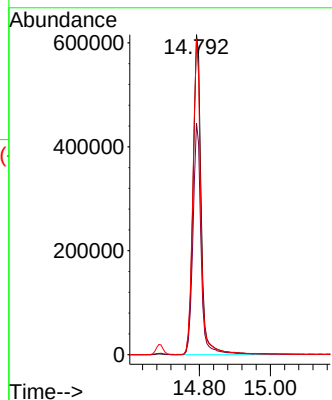
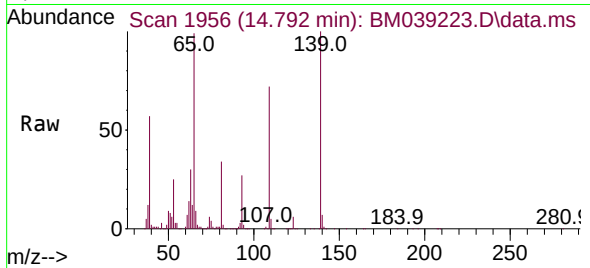




#56  
4-Nitrophenol  
Concen: 146.904 ng  
RT: 14.792 min Scan# 1956  
Delta R.T. -0.006 min  
Lab File: BM039223.D  
Acq: 30 Mar 2023 12:34

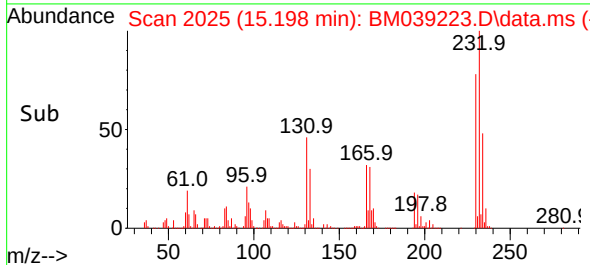
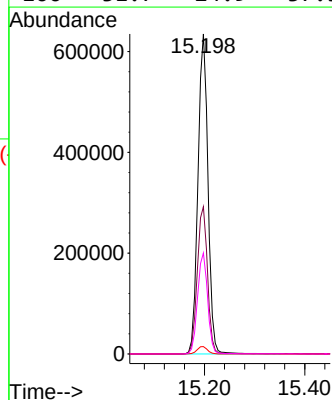
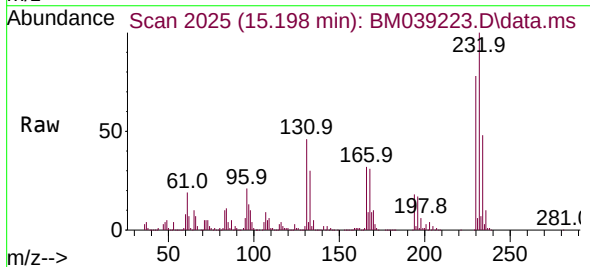
Instrument :  
BNA\_M  
ClientSampleId :  
PT-ACIDS-WP

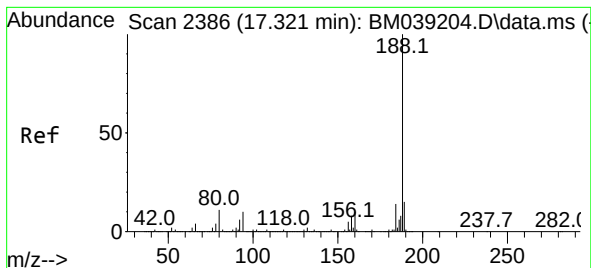
Tgt Ion:139 Resp: 979151  
Ion Ratio Lower Upper  
139 100  
109 72.4 49.6 89.6  
65 98.6 72.9 112.9



#59  
2,3,4,6-Tetrachlorophenol  
Concen: 100.261 ng  
RT: 15.198 min Scan# 2025  
Delta R.T. -0.000 min  
Lab File: BM039223.D  
Acq: 30 Mar 2023 12:34

Tgt Ion:232 Resp: 875916  
Ion Ratio Lower Upper  
232 100  
131 47.1 37.7 56.5  
130 2.3 1.9 2.9  
166 31.7 24.9 37.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.315 min Scan# 2386

Delta R.T. -0.006 min

Lab File: BM039223.D

Acq: 30 Mar 2023 12:34

Instrument :

BNA\_M

ClientSampleId :

PT-ACIDS-WP

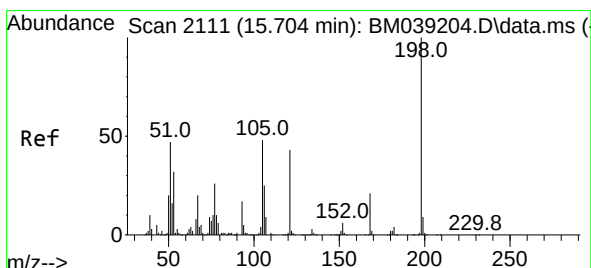
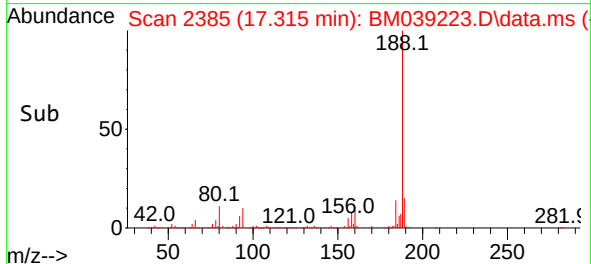
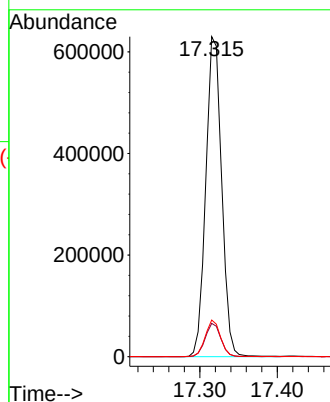
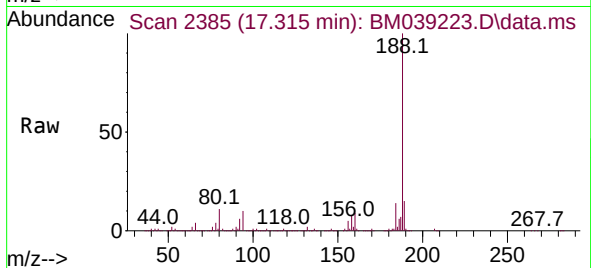
Tgt Ion:188 Resp: 894251

Ion Ratio Lower Upper

188 100

94 10.4 8.2 12.4

80 11.4 8.9 13.3



#65

4,6-Dinitro-2-methylphenol

Concen: 131.990 ng

RT: 15.704 min Scan# 2111

Delta R.T. -0.000 min

Lab File: BM039223.D

Acq: 30 Mar 2023 12:34

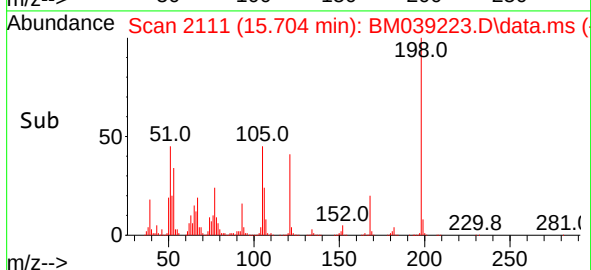
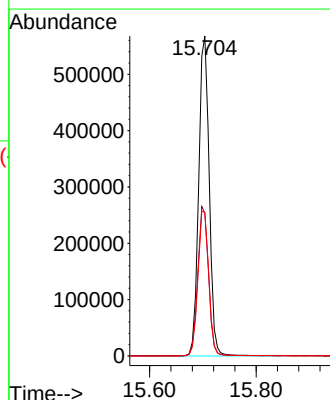
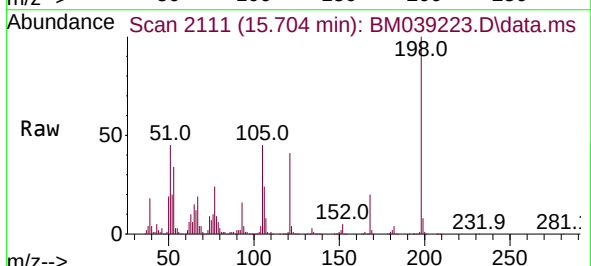
Tgt Ion:198 Resp: 776508

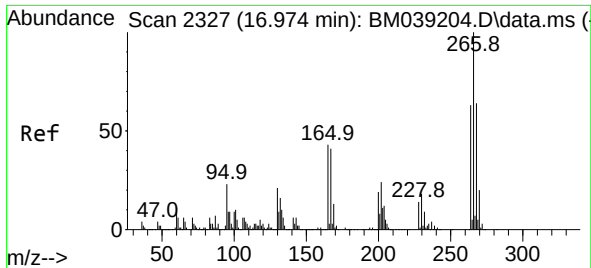
Ion Ratio Lower Upper

198 100

51 44.6 28.9 68.9

105 44.9 28.7 68.7

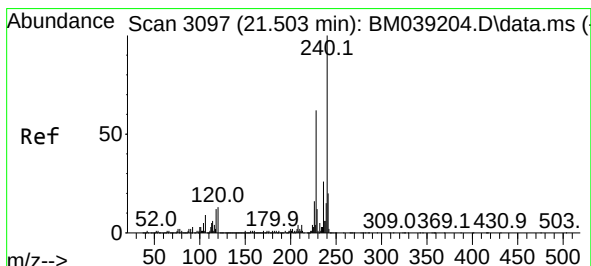
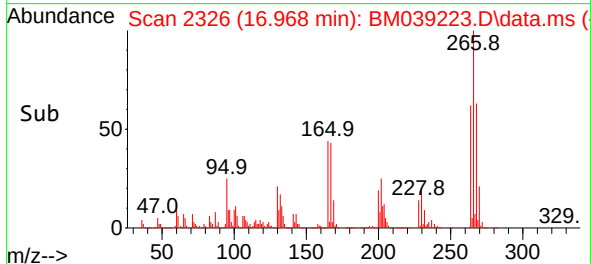
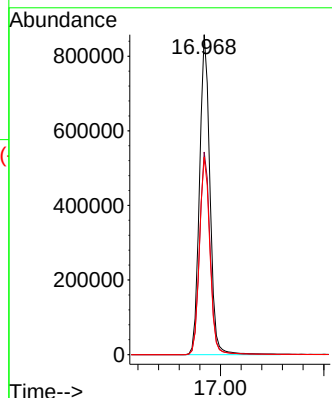
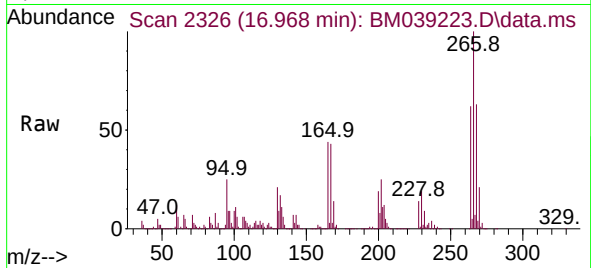




#70  
Pentachlorophenol  
Concen: 160.872 ng  
RT: 16.968 min Scan# 2327  
Delta R.T. -0.006 min  
Lab File: BM039223.D  
Acq: 30 Mar 2023 12:34

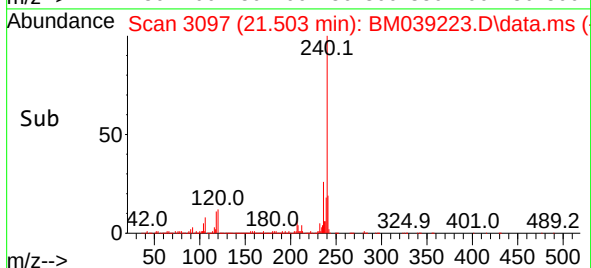
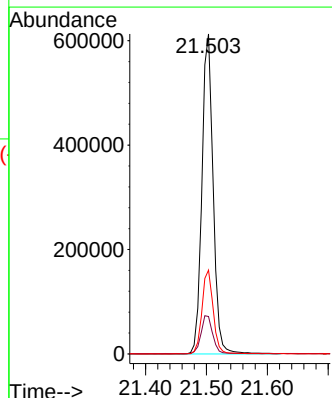
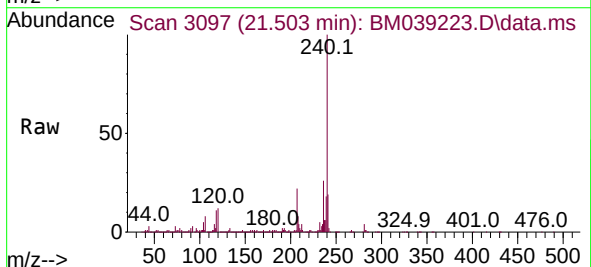
Instrument :  
BNA\_M  
ClientSampleId :  
PT-ACIDS-WP

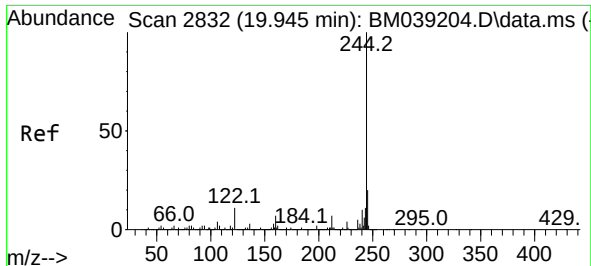
Tgt Ion:266 Resp: 1195158  
Ion Ratio Lower Upper  
266 100  
268 63.3 51.4 77.2  
264 61.7 50.2 75.4



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.503 min Scan# 3097  
Delta R.T. -0.000 min  
Lab File: BM039223.D  
Acq: 30 Mar 2023 12:34

Tgt Ion:240 Resp: 783937  
Ion Ratio Lower Upper  
240 100  
120 11.7 10.2 15.2  
236 26.2 20.9 31.3

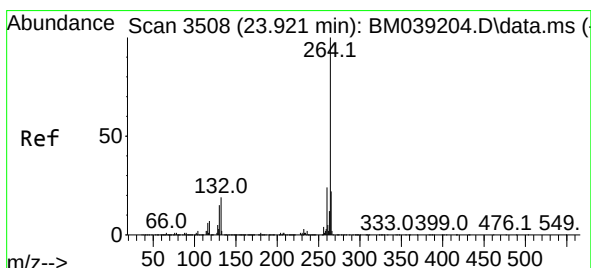
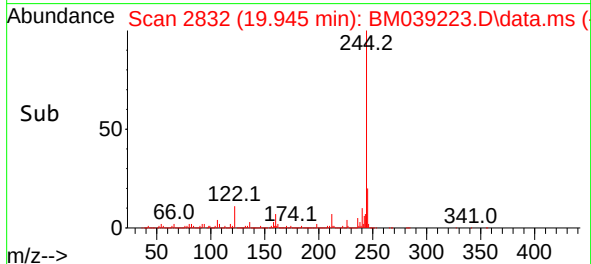
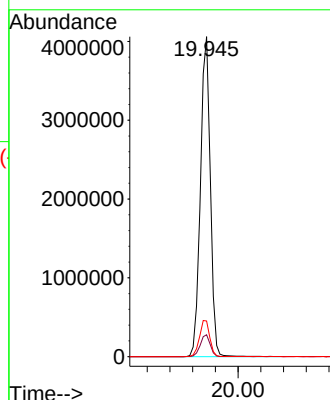
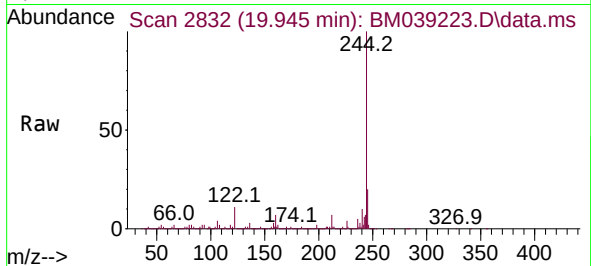




#79  
 Terphenyl-d14  
 Concen: 114.773 ng  
 RT: 19.945 min Scan# 2832  
 Delta R.T. -0.000 min  
 Lab File: BM039223.D  
 Acq: 30 Mar 2023 12:34

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PT-ACIDS-WP

Tgt Ion:244 Resp: 4869937  
 Ion Ratio Lower Upper  
 244 100  
 212 6.8 5.6 8.4  
 122 11.1 9.1 13.7



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 23.921 min Scan# 3508  
 Delta R.T. -0.000 min  
 Lab File: BM039223.D  
 Acq: 30 Mar 2023 12:34

Tgt Ion:264 Resp: 939651  
 Ion Ratio Lower Upper  
 264 100  
 260 23.9 19.0 28.6  
 265 22.0 18.1 27.1

