

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM120621\  
 Data File : BM033319.D  
 Acq On : 06 Dec 2021 19:12  
 Operator : CG/JU  
 Sample : M4918-06  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 MW-40

Quant Time: Dec 07 03:08:39 2021  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM112421.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Dec 06 13:01:33 2021  
 Response via : Initial Calibration

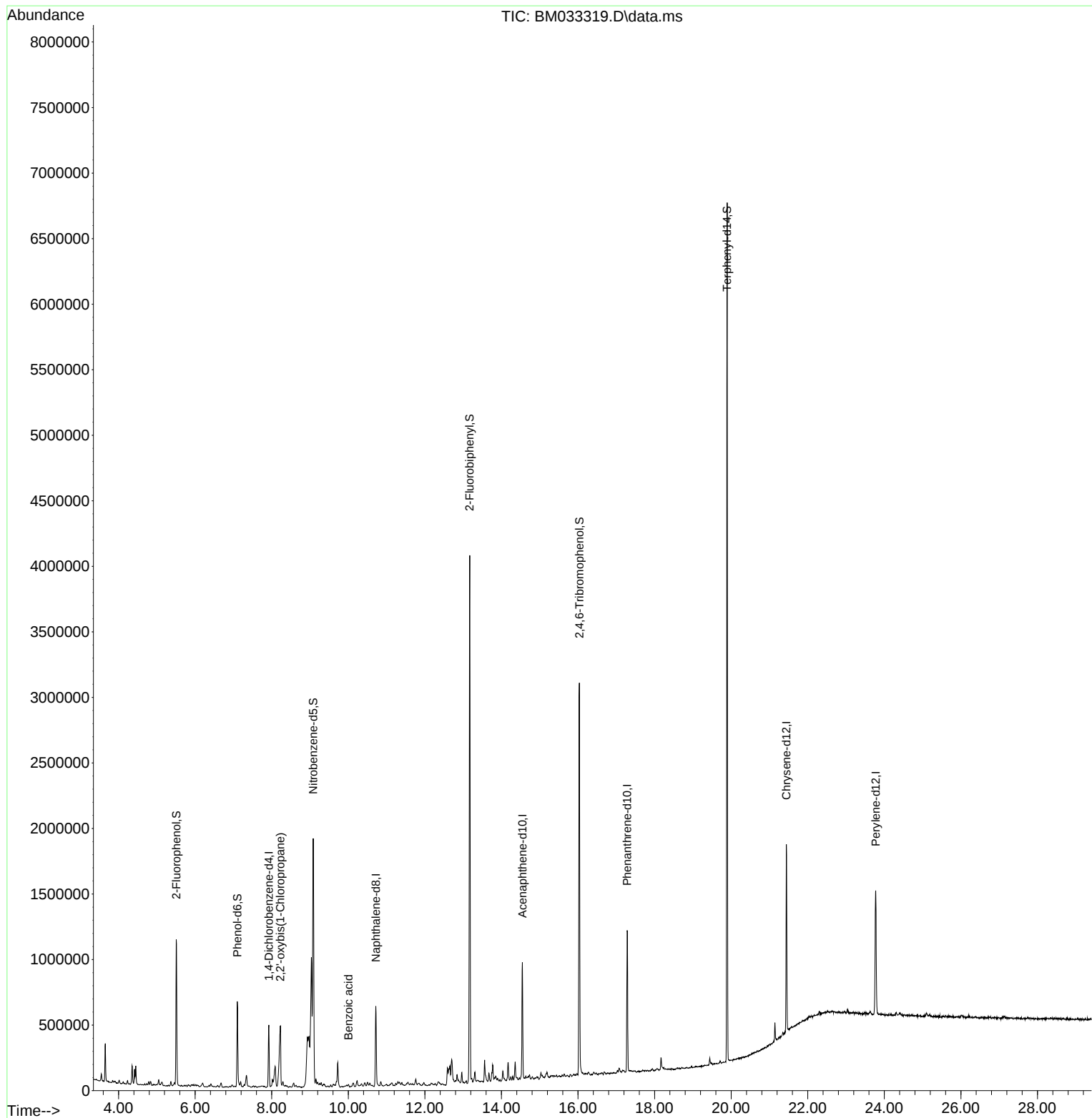
| Compound                      | R.T.   | QIon | Response | Conc      | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|-------|----------|
| -----                         |        |      |          |           |       |          |
| Internal Standards            |        |      |          |           |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.925  | 152  | 120448   | 20.000    | ng    | -0.01    |
| 21) Naphthalene-d8            | 10.719 | 136  | 481791   | 20.000    | ng    | #-0.02   |
| 39) Acenaphthene-d10          | 14.548 | 164  | 306995   | 20.000    | ng    | -0.01    |
| 64) Phenanthrene-d10          | 17.283 | 188  | 651943   | 20.000    | ng    | #-0.01   |
| 76) Chrysene-d12              | 21.442 | 240  | 672904   | 20.000    | ng    | #-0.01   |
| 86) Perylene-d12              | 23.777 | 264  | 685483   | 20.000    | ng    | -0.01    |
|                               |        |      |          |           |       |          |
| System Monitoring Compounds   |        |      |          |           |       |          |
| 5) 2-Fluorophenol             | 5.513  | 112  | 438118   | 60.067    | ng    | 0.00     |
| 7) Phenol-d6                  | 7.101  | 99   | 345023   | 35.320    | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.084  | 82   | 1042379  | 100.439   | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol      | 16.036 | 330  | 466639   | 139.440   | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.172 | 172  | 1948897  | 89.530    | ng    | -0.01    |
| 79) Terphenyl-d14             | 19.895 | 244  | 2822291  | 82.936    | ng    | -0.01    |
|                               |        |      |          |           |       |          |
| Target Compounds              |        |      |          |           |       | Qvalue   |
| 9) Benzaldehyde               | 7.049  | 77   | 495      | Below Cal | #     | 7        |
| 16) 2,2'-oxybis(1-Chloropr... | 8.225  | 45   | 32129    | 2.398     | ng    | 82       |
| 32) Benzoic acid              | 10.007 | 122  | 200      | 5.261     | ng    | # 53     |
| -----                         |        |      |          |           |       |          |

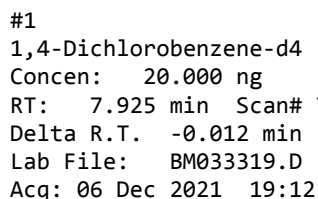
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 16 Sample Multiplier: 1

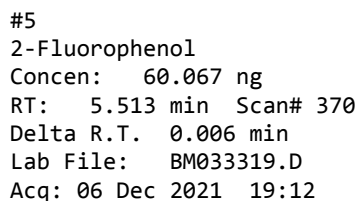
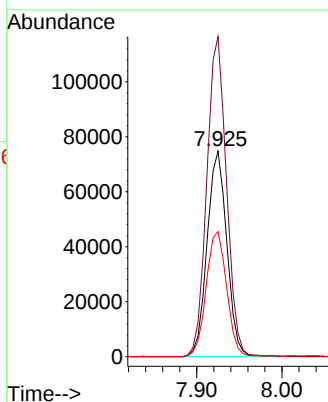
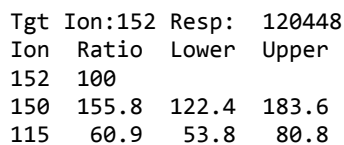
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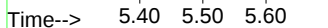
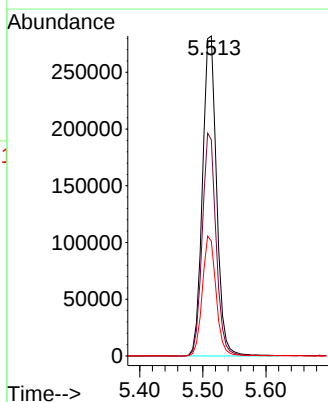


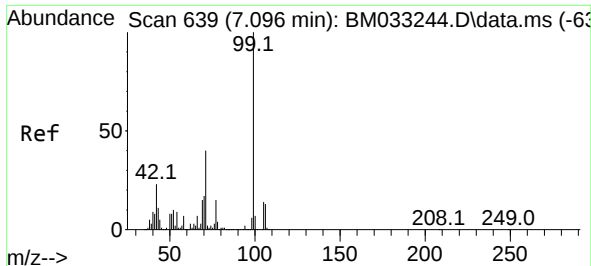


**Instrument :**  
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**ClientSampleId :**  
MW-40



|     |         |       |        |
|-----|---------|-------|--------|
| Tgt | Ion:112 | Resp: | 438118 |
| Ion | Ratio   | Lower | Upper  |
| 112 | 100     |       |        |
| 64  | 67.6    | 53.7  | 80.5   |
| 63  | 35.9    | 33.9  | 50.9   |

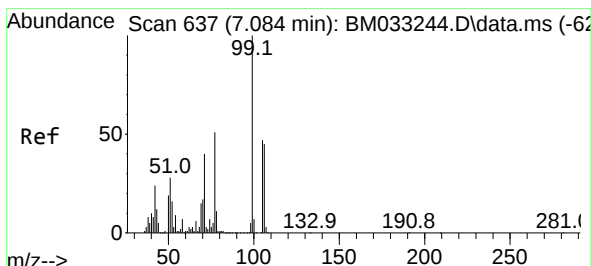
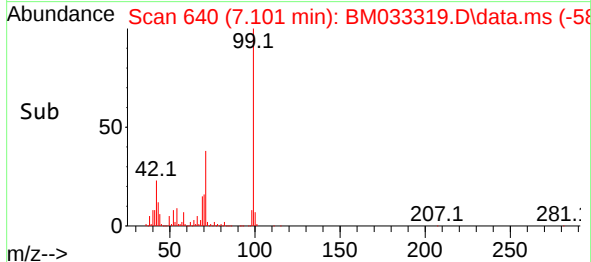
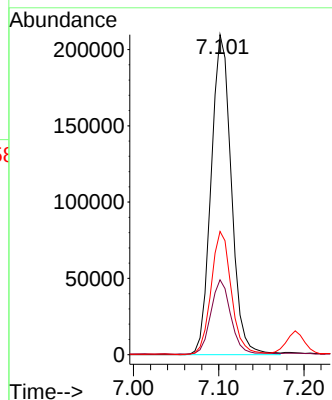
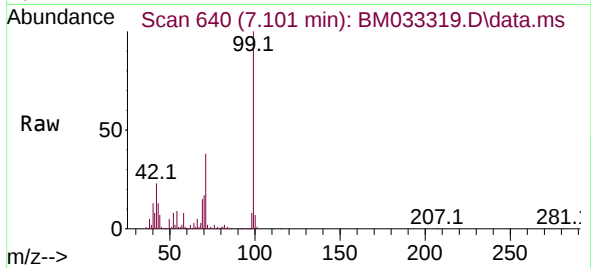




#7  
Phenol-d6  
Concen: 35.320 ng  
RT: 7.101 min Scan# 640  
Delta R.T. 0.006 min  
Lab File: BM033319.D  
Acq: 06 Dec 2021 19:12

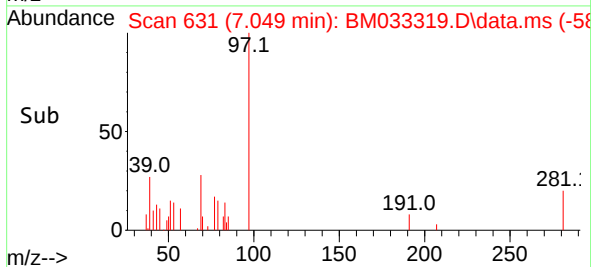
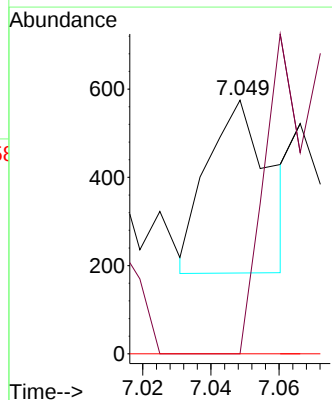
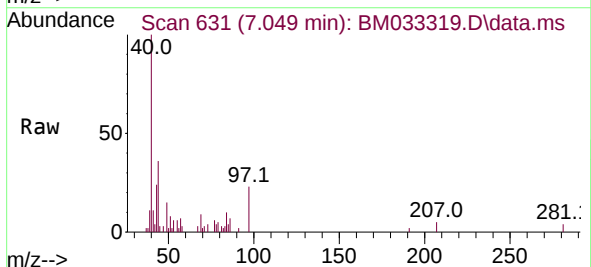
Instrument :  
BNA\_M  
ClientSampleId :  
MW-40

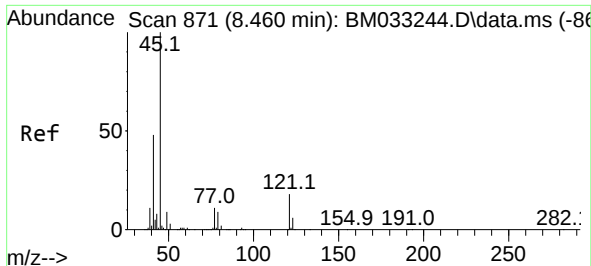
Tgt Ion: 99 Resp: 345023  
Ion Ratio Lower Upper  
99 100  
42 23.4 23.0 34.6  
71 38.5 37.8 56.8



#9  
Benzaldehyde  
Concen: Below Cal  
RT: 7.049 min Scan# 631  
Delta R.T. -0.035 min  
Lab File: BM033319.D  
Acq: 06 Dec 2021 19:12

Tgt Ion: 77 Resp: 495  
Ion Ratio Lower Upper  
77 100  
105 0.0 68.9 108.9#  
106 0.0 61.2 101.2#

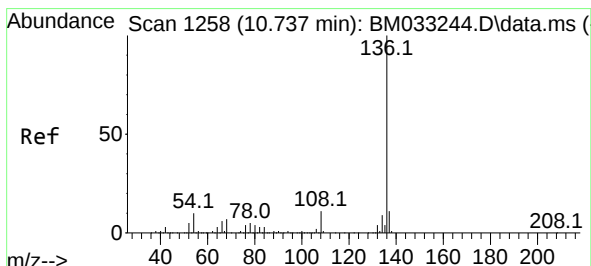
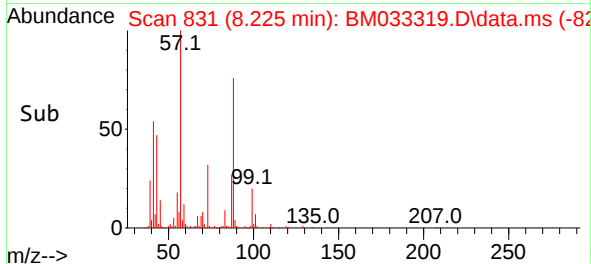
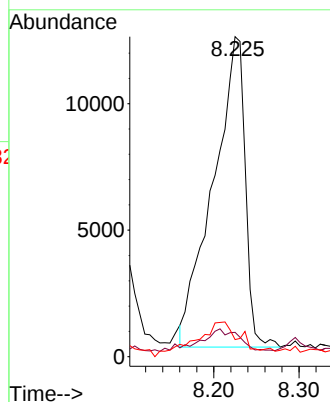
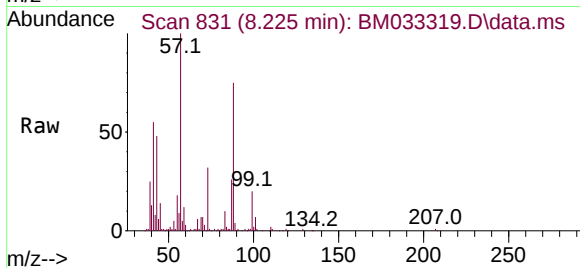




#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 2.398 ng  
RT: 8.225 min Scan# 81  
Delta R.T. -0.235 min  
Lab File: BM033319.D  
Acq: 06 Dec 2021 19:12

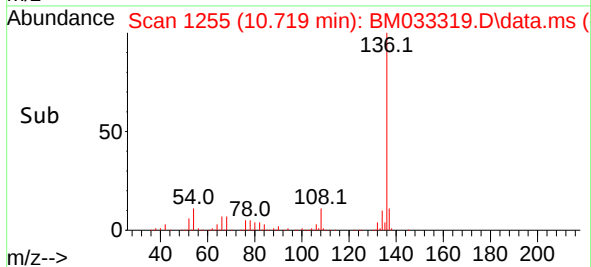
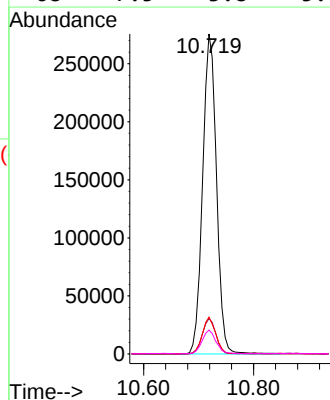
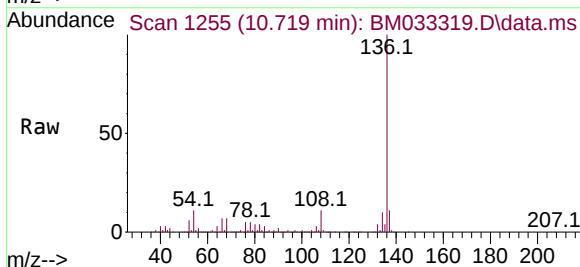
Instrument :  
BNA\_M  
ClientSampleId :  
MW-40

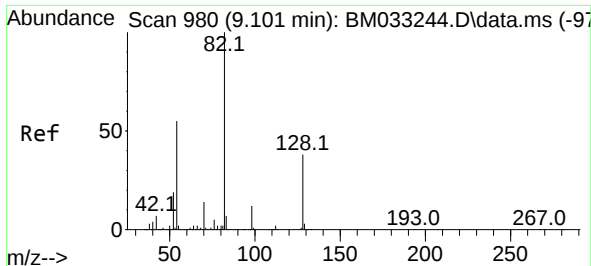
Tgt Ion: 45 Resp: 32129  
Ion Ratio Lower Upper  
45 100  
77 7.6 0.0 36.1  
79 5.3 0.0 30.5



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.719 min Scan# 1255  
Delta R.T. -0.018 min  
Lab File: BM033319.D  
Acq: 06 Dec 2021 19:12

Tgt Ion: 136 Resp: 481791  
Ion Ratio Lower Upper  
136 100  
137 11.1 8.7 13.1  
54 11.5 7.4 11.0#  
68 7.5 3.8 5.8#





#23

Nitrobenzene-d5

Concen: 100.439 ng

RT: 9.084 min Scan# 91

Delta R.T. -0.018 min

Lab File: BM033319.D

Acq: 06 Dec 2021 19:12

Instrument :

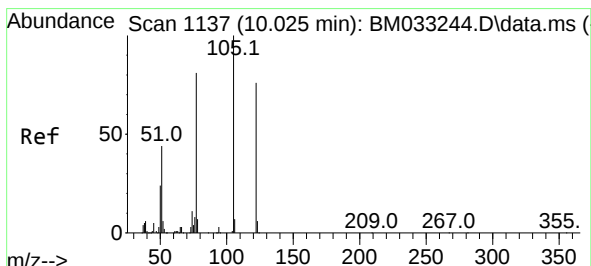
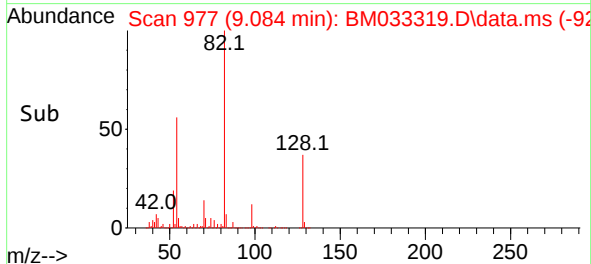
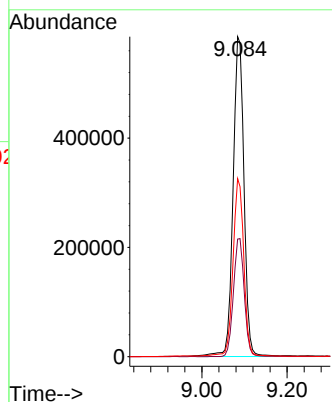
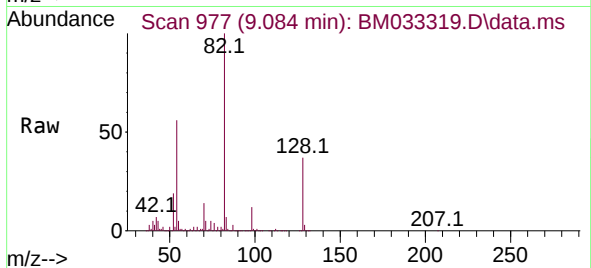
BNA\_M

ClientSampleId :

MW-40

Tgt Ion: 82 Resp: 1042379

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 36.7  | 29.0  | 43.6  |
| 54  | 55.7  | 45.8  | 68.8  |



#32

Benzoic acid

Concen: 5.261 ng

RT: 10.007 min Scan# 1134

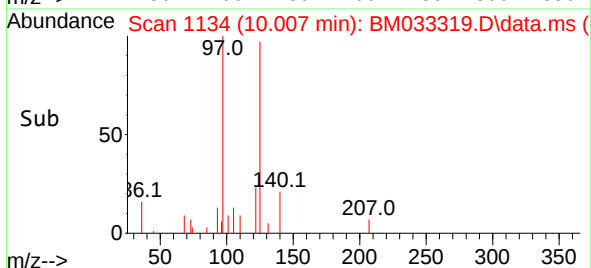
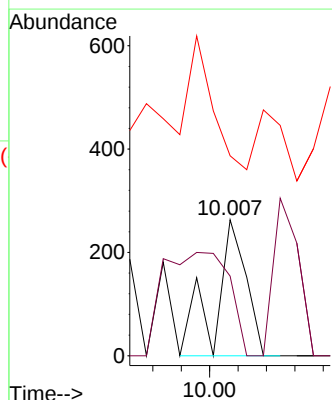
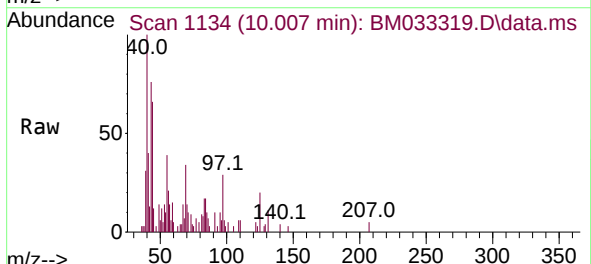
Delta R.T. -0.018 min

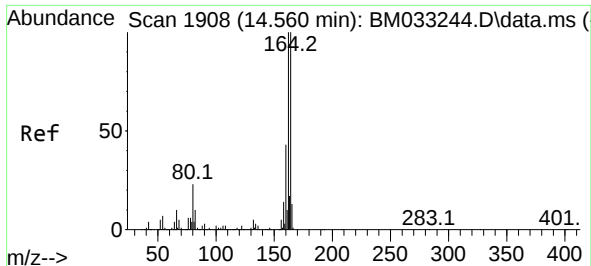
Lab File: BM033319.D

Acq: 06 Dec 2021 19:12

Tgt Ion: 122 Resp: 200

| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 122 | 100   |       |        |
| 105 | 58.6  | 120.3 | 160.3# |
| 77  | 147.1 | 100.0 | 140.0# |

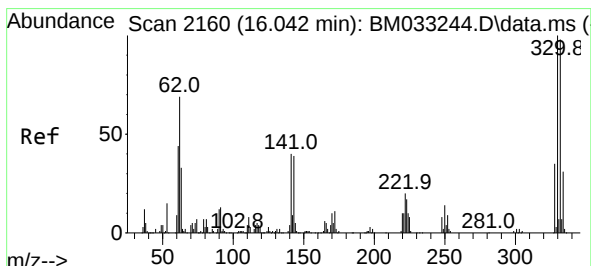
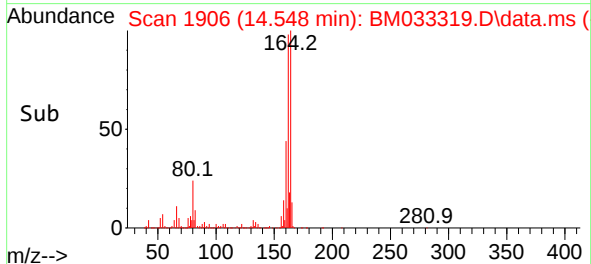
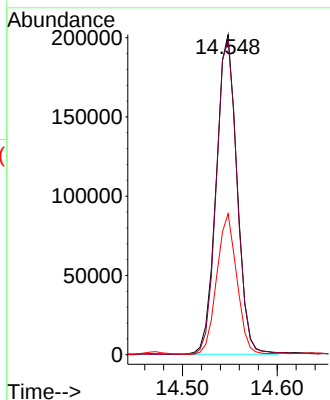
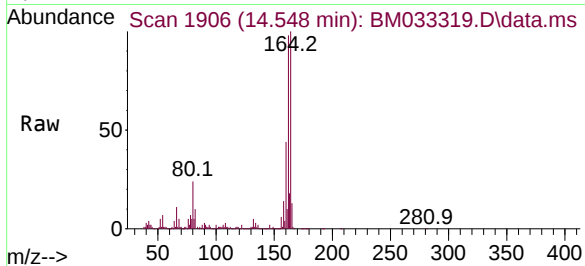




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.548 min Scan# 1906  
Delta R.T. -0.012 min  
Lab File: BM033319.D  
Acq: 06 Dec 2021 19:12

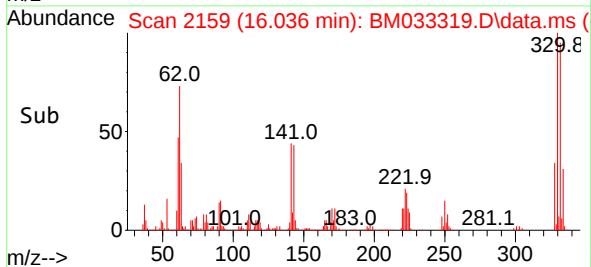
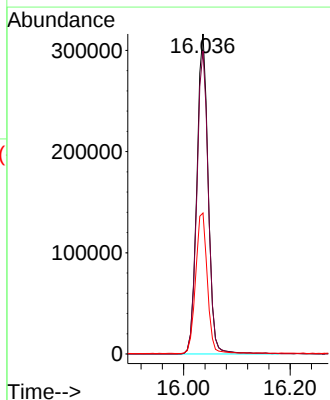
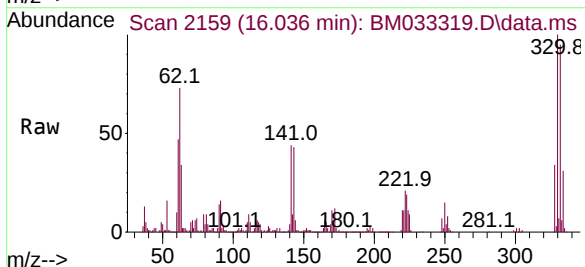
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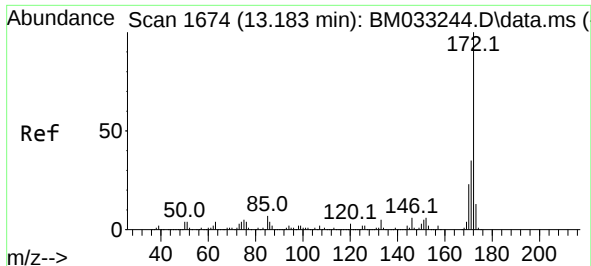
Tgt Ion:164 Resp: 306995  
Ion Ratio Lower Upper  
164 100  
162 98.1 80.6 121.0  
160 44.1 35.1 52.7



#42  
2,4,6-Tribromophenol  
Concen: 139.440 ng  
RT: 16.036 min Scan# 2159  
Delta R.T. -0.006 min  
Lab File: BM033319.D  
Acq: 06 Dec 2021 19:12

Tgt Ion:330 Resp: 466639  
Ion Ratio Lower Upper  
330 100  
332 96.1 75.7 113.5  
141 45.3 50.7 76.1#

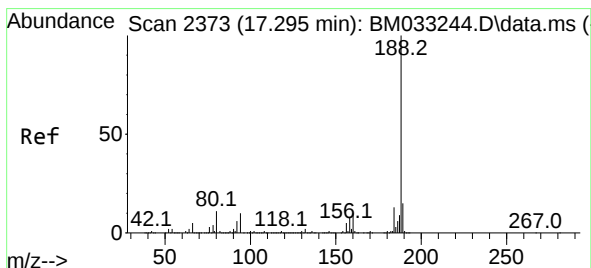
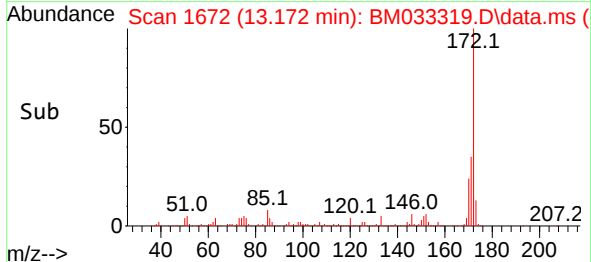
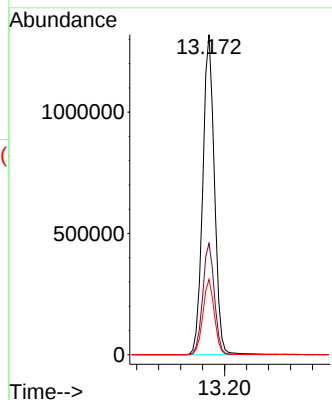
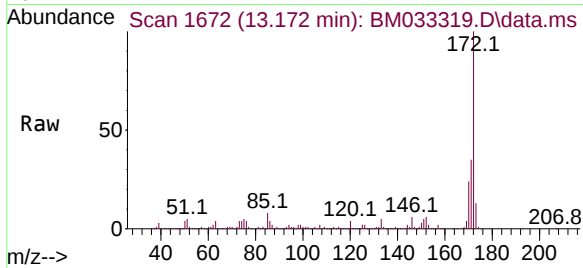




#45  
2-Fluorobiphenyl  
Concen: 89.530 ng  
RT: 13.172 min Scan# 1  
Delta R.T. -0.012 min  
Lab File: BM033319.D  
Acq: 06 Dec 2021 19:12

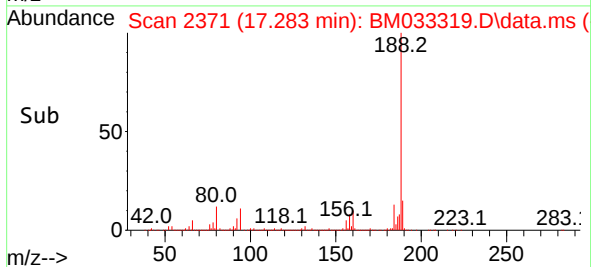
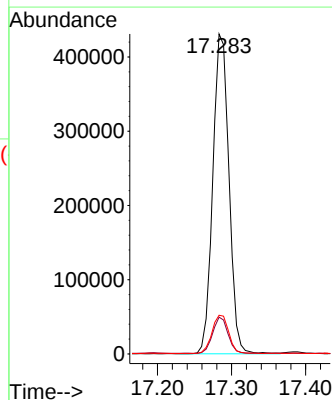
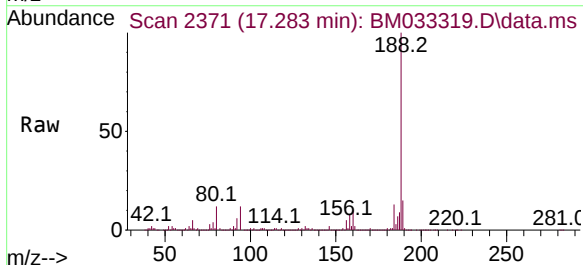
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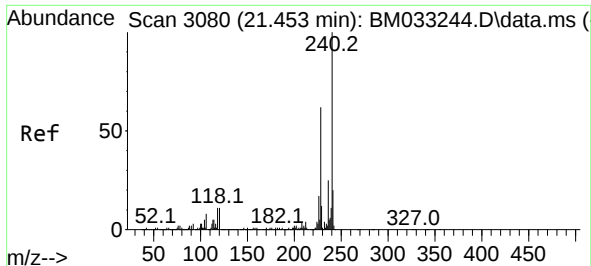
Tgt Ion:172 Resp: 1948897  
Ion Ratio Lower Upper  
172 100  
171 34.8 28.1 42.1  
170 23.5 18.6 27.8



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.283 min Scan# 2371  
Delta R.T. -0.012 min  
Lab File: BM033319.D  
Acq: 06 Dec 2021 19:12

Tgt Ion:188 Resp: 651943  
Ion Ratio Lower Upper  
188 100  
94 11.5 6.3 9.5#  
80 12.1 7.3 10.9#

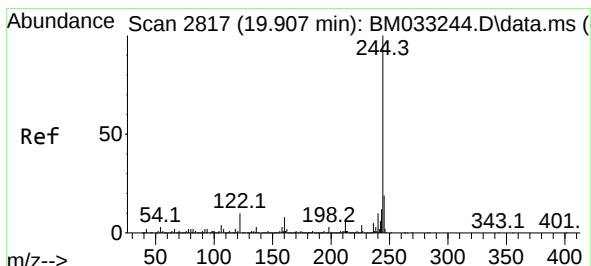
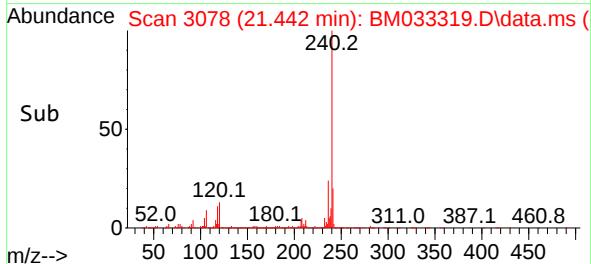
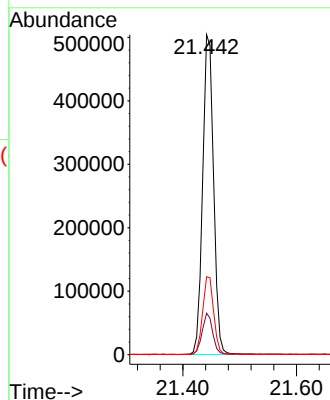
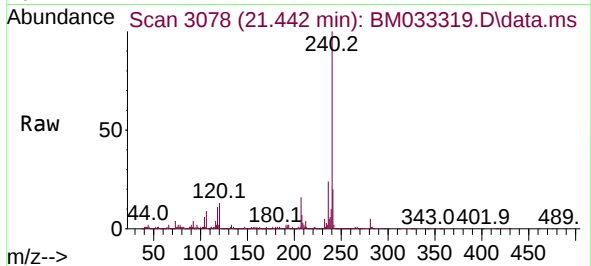




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.442 min Scan# 3080  
Delta R.T. -0.012 min  
Lab File: BM033319.D  
Acq: 06 Dec 2021 19:12

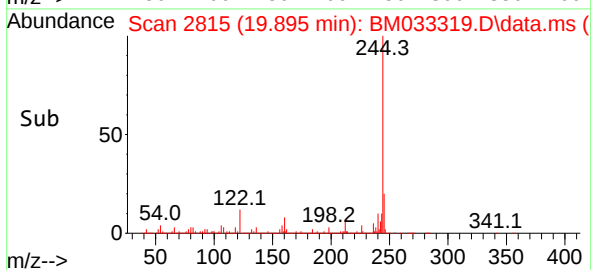
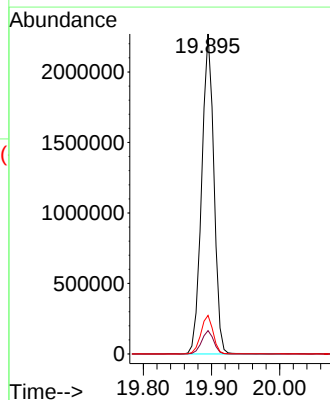
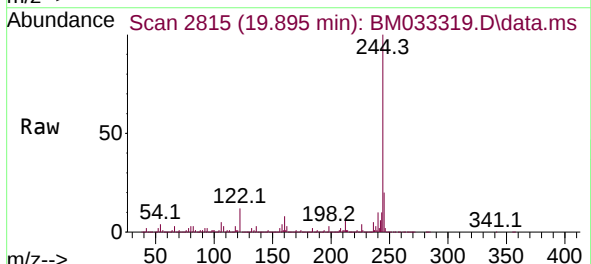
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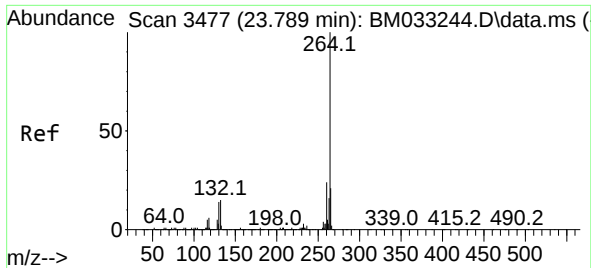
Tgt Ion:240 Resp: 672904  
Ion Ratio Lower Upper  
240 100  
120 12.9 7.8 11.6#  
236 24.4 20.9 31.3



#79  
Terphenyl-d14  
Concen: 82.936 ng  
RT: 19.895 min Scan# 2815  
Delta R.T. -0.012 min  
Lab File: BM033319.D  
Acq: 06 Dec 2021 19:12

Tgt Ion:244 Resp: 2822291  
Ion Ratio Lower Upper  
244 100  
212 7.3 6.5 9.7  
122 12.1 8.7 13.1





#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 23.777 min Scan# 34  
 Delta R.T. -0.012 min  
 Lab File: BM033319.D  
 Acq: 06 Dec 2021 19:12

Instrument :  
 BNA\_M  
 ClientSampleId :  
 MW-40

Tgt Ion:264 Resp: 685483  
 Ion Ratio Lower Upper  
 264 100  
 260 23.4 19.3 28.9  
 265 22.4 18.3 27.5

