

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM042123\  
 Data File : BM039570.D  
 Acq On : 22 Apr 2023 02:30  
 Operator : CG/JU  
 Sample : 02393-01 2X  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 VNJ-229

Quant Time: Apr 22 04:58:43 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM041723.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Apr 21 12:46:01 2023  
 Response via : Initial Calibration

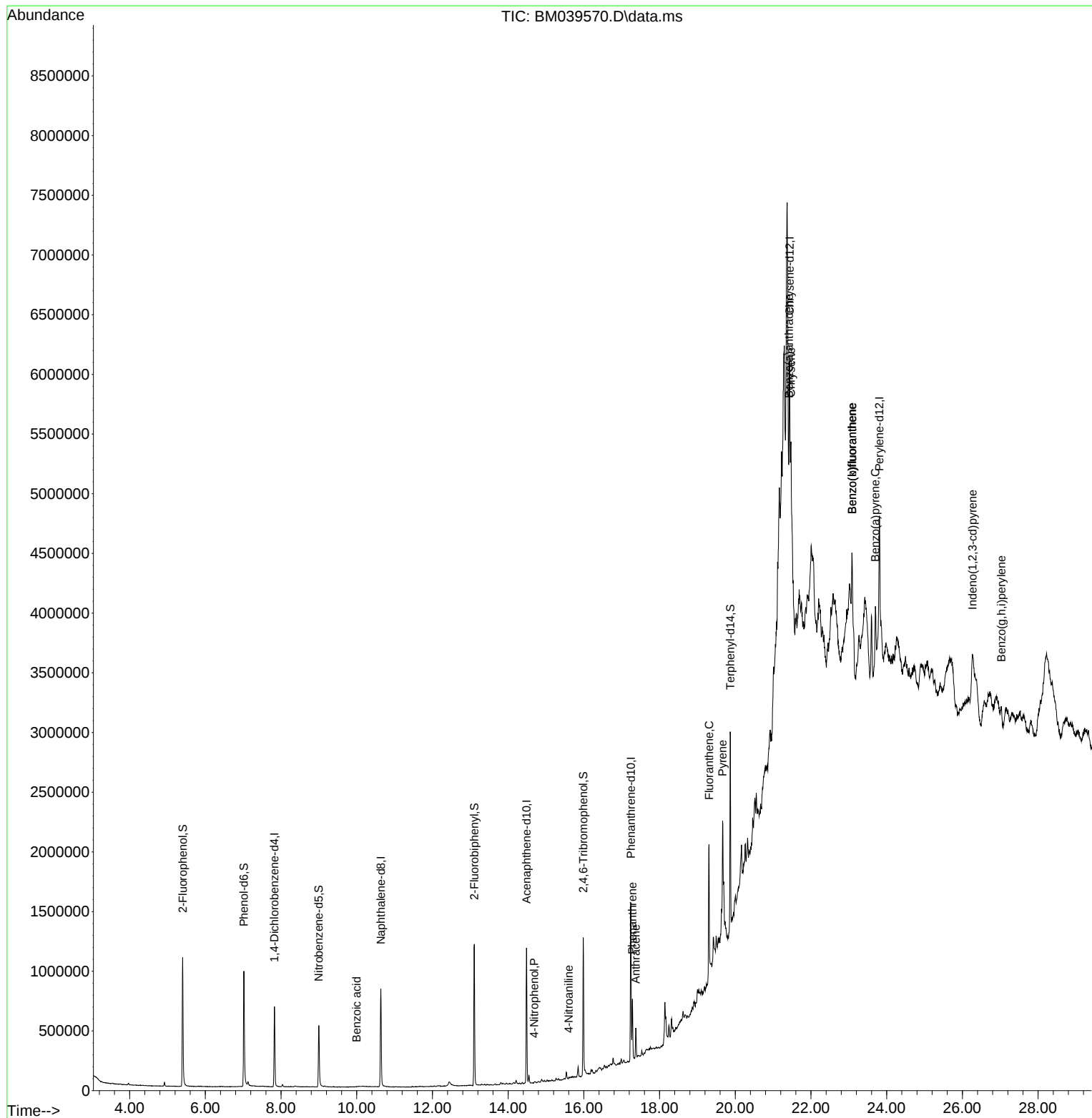
| Compound                    | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|--------|------|----------|--------|-------|----------|
| -----                       |        |      |          |        |       |          |
| Internal Standards          |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.825  | 152  | 182402   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.636 | 136  | 699202   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.483 | 164  | 400238   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.242 | 188  | 808831   | 20.000 | ng    | 0.01     |
| 76) Chrysene-d12            | 21.436 | 240  | 663224   | 20.000 | ng    | # 0.01   |
| 86) Perylene-d12            | 23.806 | 264  | 752517   | 20.000 | ng    | 0.02     |
|                             |        |      |          |        |       |          |
| System Monitoring Compounds |        |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.401  | 112  | 508109   | 45.513 | ng    | 0.01     |
| 7) Phenol-d6                | 7.019  | 99   | 640287   | 39.025 | ng    | 0.01     |
| 23) Nitrobenzene-d5         | 8.995  | 82   | 346433   | 24.263 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 15.983 | 330  | 205216   | 39.513 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.107 | 172  | 638921   | 22.088 | ng    | 0.00     |
| 79) Terphenyl-d14           | 19.871 | 244  | 822377   | 22.369 | ng    | 0.00     |
|                             |        |      |          |        |       |          |
| Target Compounds            |        |      |          |        |       | Qvalue   |
| 32) Benzoic acid            | 9.995  | 122  | 183      | 6.011  | ng    | # 1      |
| 56) 4-Nitrophenol           | 14.689 | 139  | 751      | 5.526  | ng    | # 53     |
| 62) 4-Nitroaniline          | 15.601 | 138  | 493      | 2.858  | ng    | # 1      |
| 71) Phenanthrene            | 17.283 | 178  | 307068   | 7.001  | ng    | 99       |
| 72) Anthracene              | 17.371 | 178  | 156054   | 3.469  | ng    | 98       |
| 75) Fluoranthene            | 19.306 | 202  | 662701   | 12.454 | ng    | 99       |
| 78) Pyrene                  | 19.665 | 202  | 582320   | 11.939 | ng    | 98       |
| 81) Benzo(a)anthracene      | 21.418 | 228  | 314310   | 6.673  | ng    | 96       |
| 83) Chrysene                | 21.471 | 228  | 474937   | 10.404 | ng    | 96       |
| 87) Indeno(1,2,3-cd)pyrene  | 26.265 | 276  | 243851   | 4.410  | ng    | 94       |
| 88) Benzo(b)fluoranthene    | 23.088 | 252  | 697710   | 15.207 | ng    | # 89     |
| 89) Benzo(k)fluoranthene    | 23.088 | 252  | 697710   | 14.545 | ng    | # 88     |
| 90) Benzo(a)pyrene          | 23.700 | 252  | 372106   | 8.160  | ng    | # 80     |
| 92) Benzo(g,h,i)perylene    | 27.029 | 276  | 229582   | 5.039  | ng    | # 90     |
| -----                       |        |      |          |        |       |          |

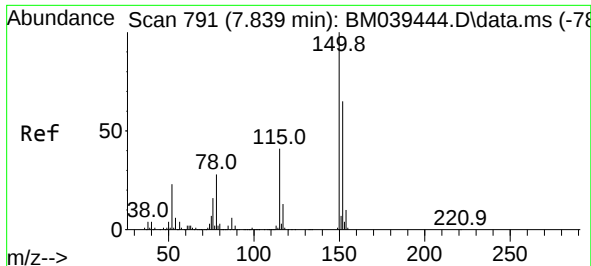
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM042123\  
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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM041723.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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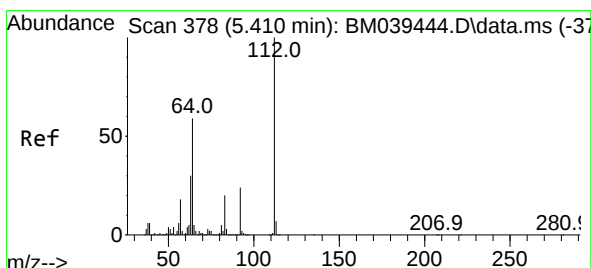
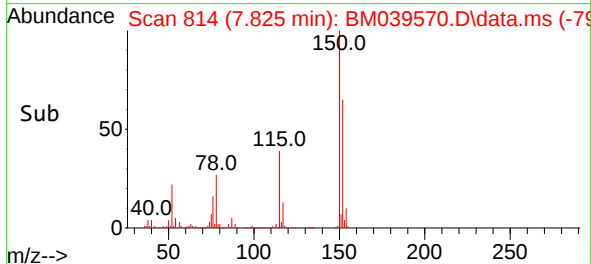
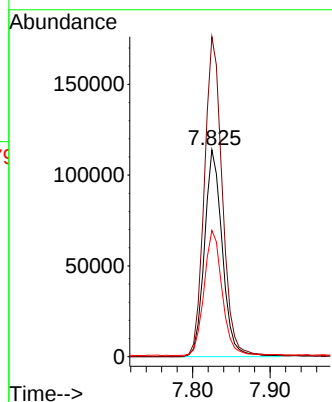
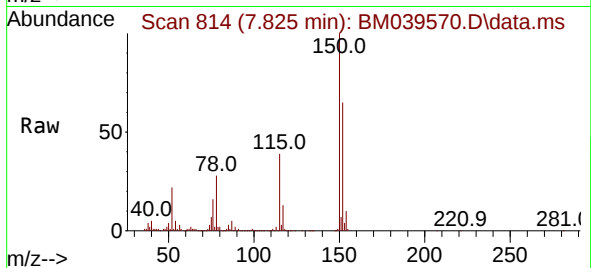




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.825 min Scan# 81  
Delta R.T. 0.006 min  
Lab File: BM039570.D  
Acq: 22 Apr 2023 02:30

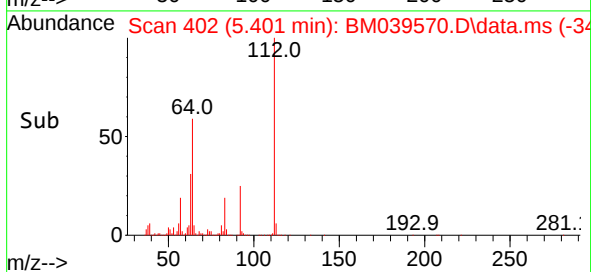
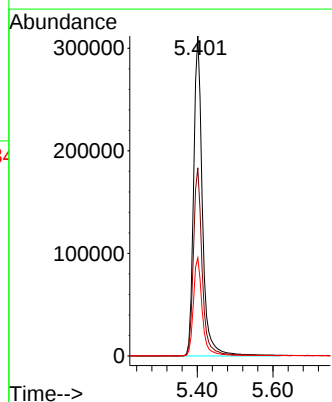
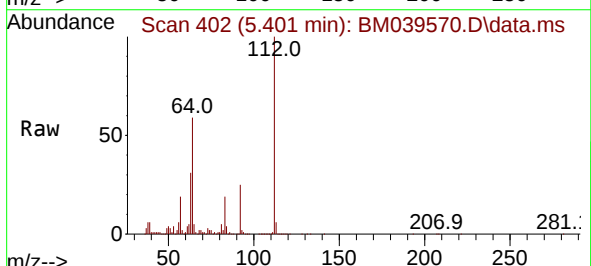
Instrument :  
BNA\_M  
ClientSampleId :  
VNJ-229

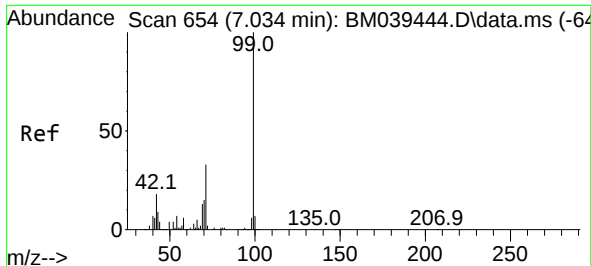
Tgt Ion:152 Resp: 182402  
Ion Ratio Lower Upper  
152 100  
150 154.7 123.0 184.4  
115 61.0 49.9 74.9



#5  
2-Fluorophenol  
Concen: 45.513 ng  
RT: 5.401 min Scan# 402  
Delta R.T. 0.012 min  
Lab File: BM039570.D  
Acq: 22 Apr 2023 02:30

Tgt Ion:112 Resp: 508109  
Ion Ratio Lower Upper  
112 100  
64 58.8 47.0 70.4  
63 30.7 24.2 36.4

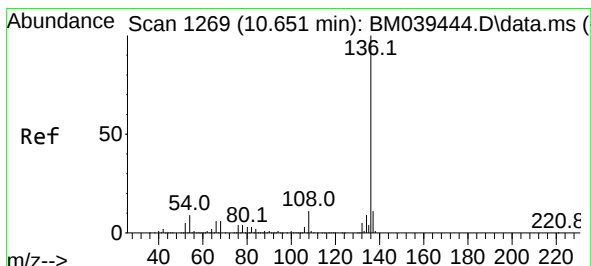
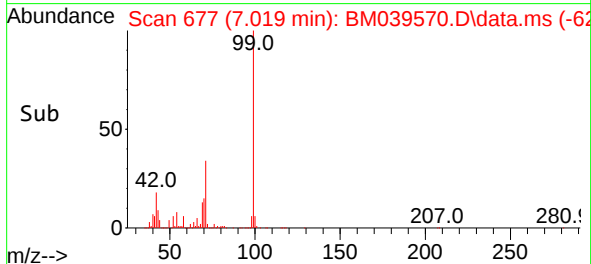
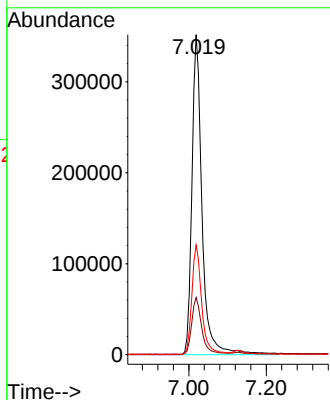
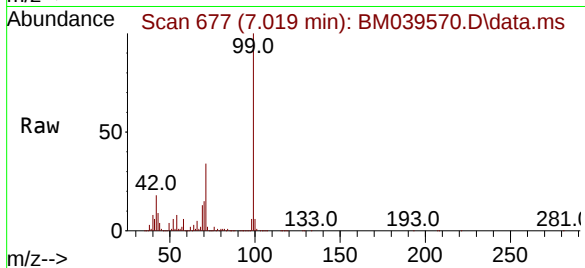




#7  
Phenol-d6  
Concen: 39.025 ng  
RT: 7.019 min Scan# 61  
Delta R.T. 0.012 min  
Lab File: BM039570.D  
Acq: 22 Apr 2023 02:30

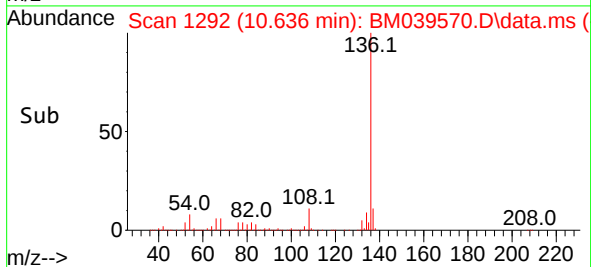
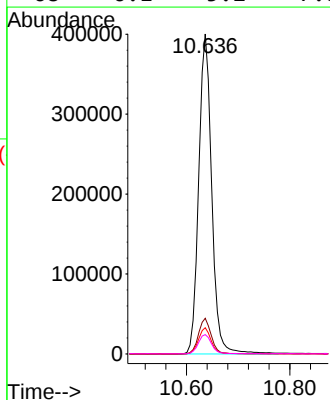
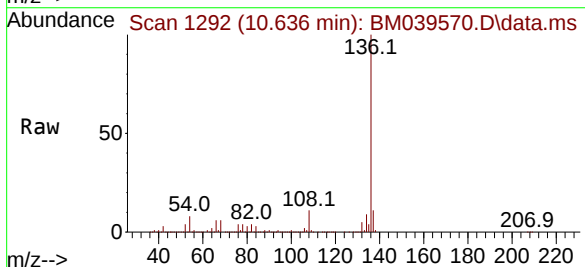
Instrument :  
BNA\_M  
ClientSampleId :  
VNJ-229

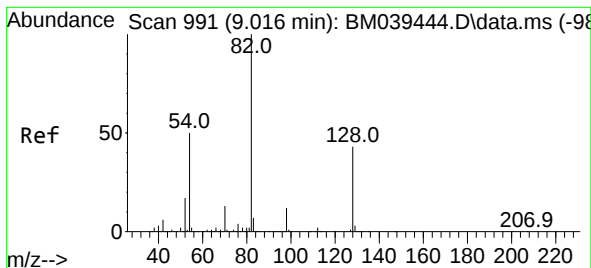
Tgt Ion: 99 Resp: 640287  
Ion Ratio Lower Upper  
99 100  
42 17.8 14.2 21.4  
71 34.3 26.8 40.2



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.636 min Scan# 1292  
Delta R.T. 0.006 min  
Lab File: BM039570.D  
Acq: 22 Apr 2023 02:30

Tgt Ion: 136 Resp: 699202  
Ion Ratio Lower Upper  
136 100  
137 11.2 8.6 13.0  
54 8.2 6.9 10.3  
68 6.1 5.2 7.8

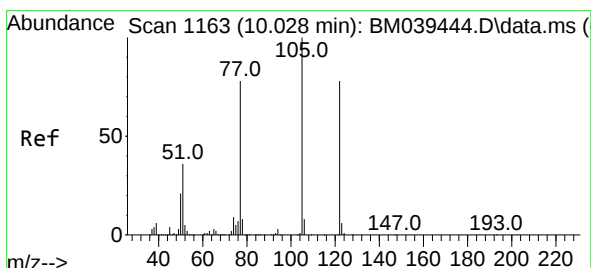
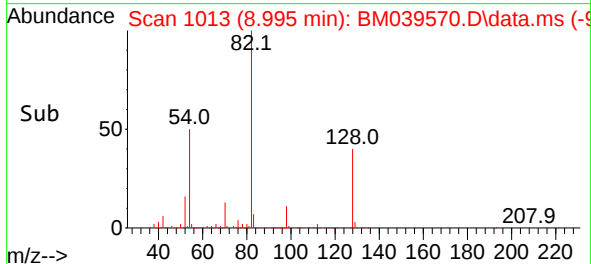
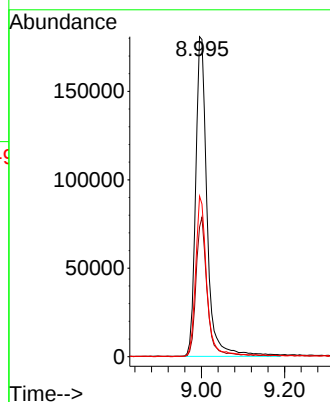
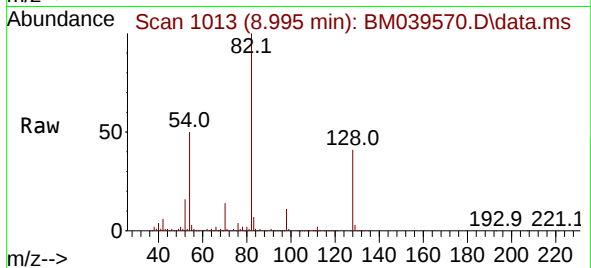




#23  
Nitrobenzene-d5  
Concen: 24.263 ng  
RT: 8.995 min Scan# 1183  
Delta R.T. -0.000 min  
Lab File: BM039570.D  
Acq: 22 Apr 2023 02:30

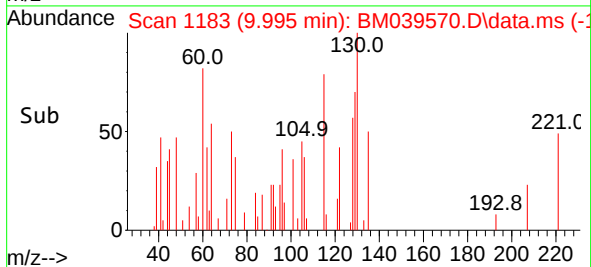
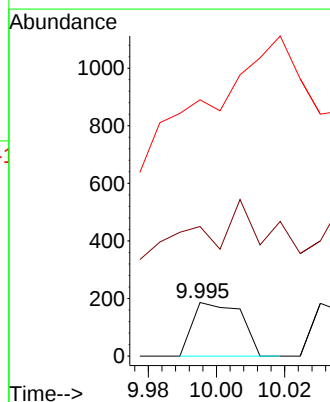
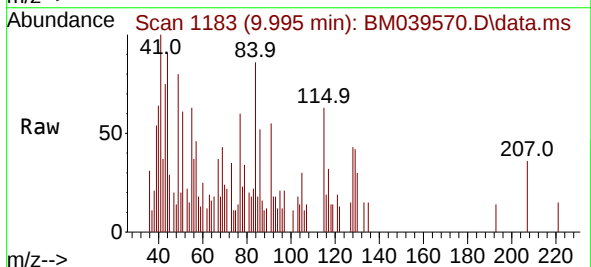
Instrument :  
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ClientSampleId :  
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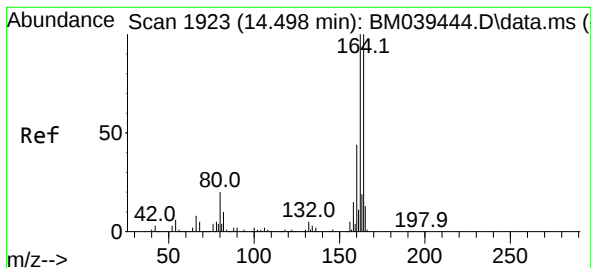
Tgt Ion: 82 Resp: 346433  
Ion Ratio Lower Upper  
82 100  
128 40.5 34.2 51.2  
54 50.2 39.7 59.5



#32  
Benzoic acid  
Concen: 6.011 ng  
RT: 9.995 min Scan# 1183  
Delta R.T. -0.012 min  
Lab File: BM039570.D  
Acq: 22 Apr 2023 02:30

Tgt Ion: 122 Resp: 183  
Ion Ratio Lower Upper  
122 100  
105 241.9 105.9 145.9#  
77 478.5 78.8 118.8#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.483 min Scan# 1923

Delta R.T. 0.006 min

Lab File: BM039570.D

Acq: 22 Apr 2023 02:30

Instrument :

BNA\_M

ClientSampleId :

VNJ-229

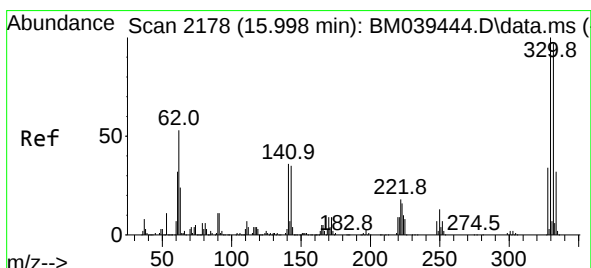
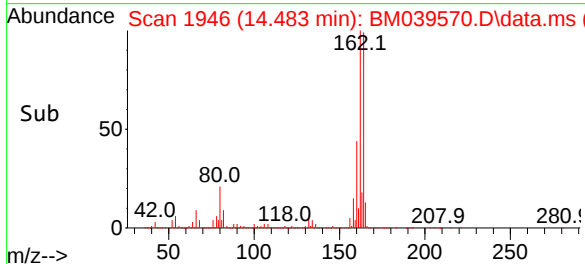
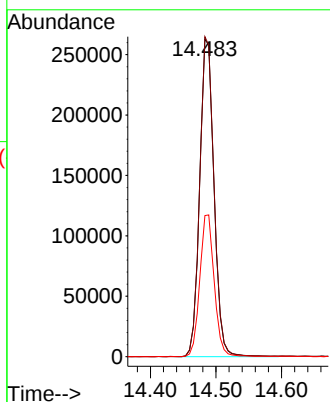
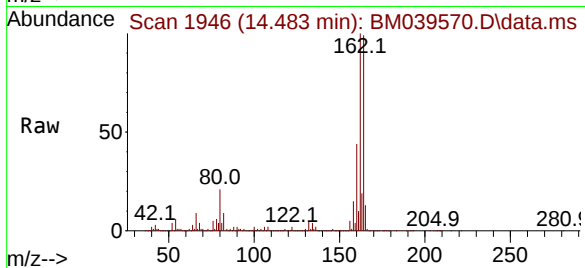
Tgt Ion:164 Resp: 400238

Ion Ratio Lower Upper

164 100

162 100.8 79.8 119.8

160 44.5 35.0 52.4



#42

2,4,6-Tribromophenol

Concen: 39.513 ng

RT: 15.983 min Scan# 2201

Delta R.T. 0.006 min

Lab File: BM039570.D

Acq: 22 Apr 2023 02:30

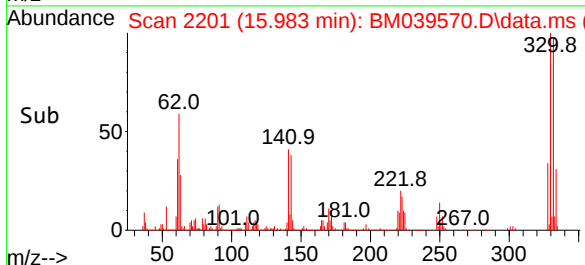
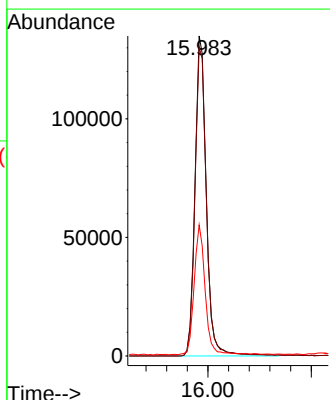
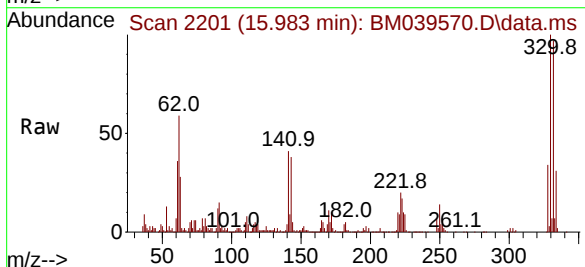
Tgt Ion:330 Resp: 205216

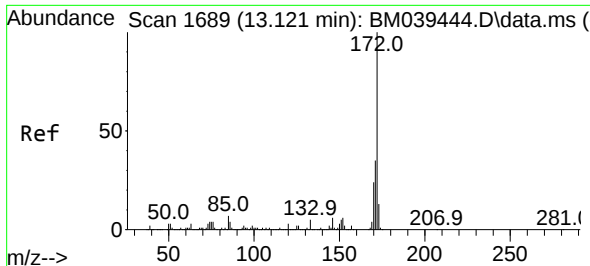
Ion Ratio Lower Upper

330 100

332 97.6 77.4 116.2

141 39.6 31.0 46.6

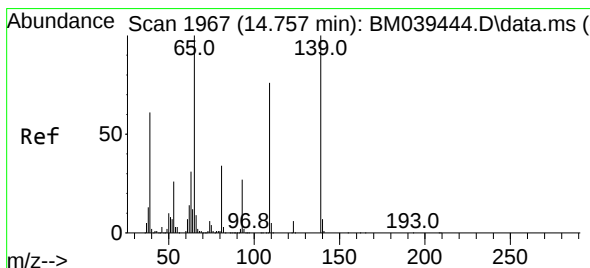
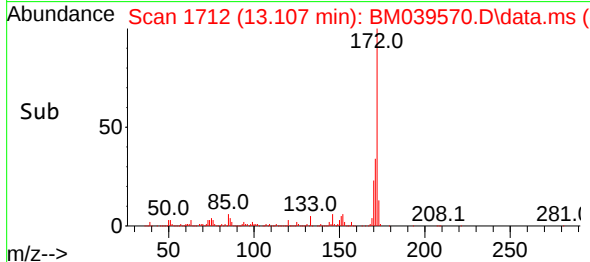
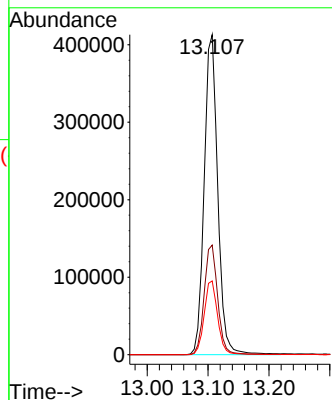
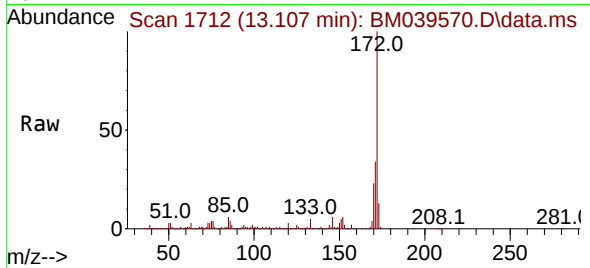




#45  
2-Fluorobiphenyl  
Concen: 22.088 ng  
RT: 13.107 min Scan# 1  
Delta R.T. 0.006 min  
Lab File: BM039570.D  
Acq: 22 Apr 2023 02:30

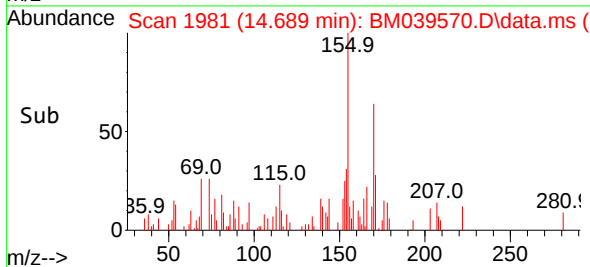
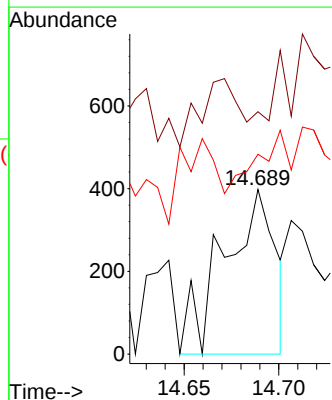
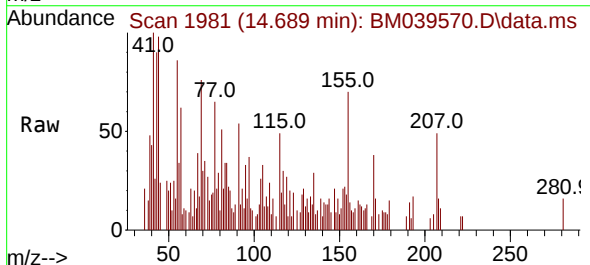
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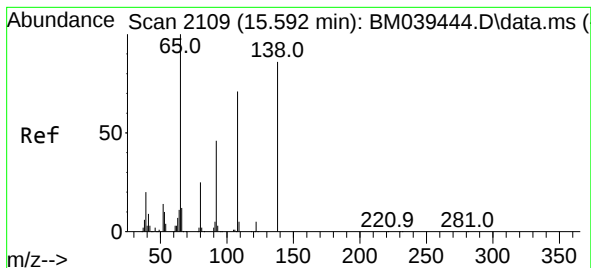
Tgt Ion:172 Resp: 638921  
Ion Ratio Lower Upper  
172 100  
171 34.2 27.8 41.8  
170 23.1 19.0 28.4



#56  
4-Nitrophenol  
Concen: 5.526 ng  
RT: 14.689 min Scan# 1981  
Delta R.T. -0.041 min  
Lab File: BM039570.D  
Acq: 22 Apr 2023 02:30

Tgt Ion:139 Resp: 751  
Ion Ratio Lower Upper  
139 100  
109 147.2 56.5 96.5#  
65 121.4 81.3 121.3#

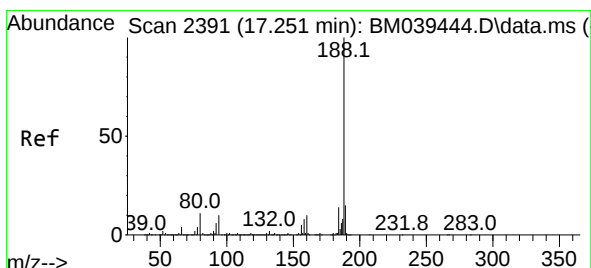
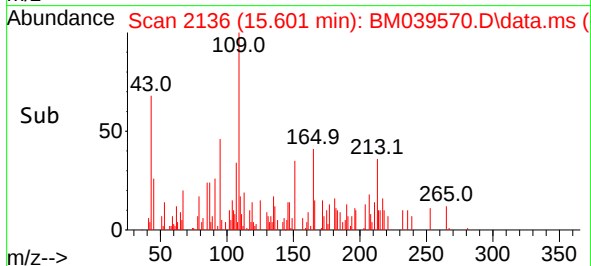
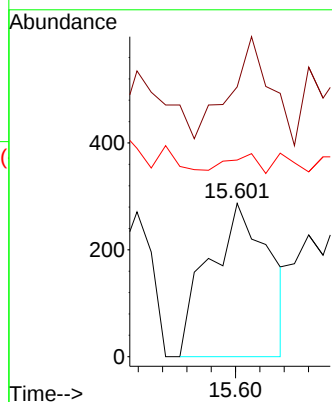
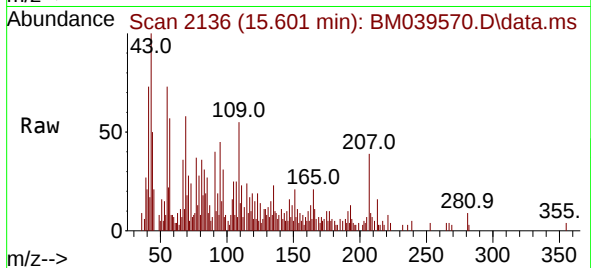




#62  
4-Nitroaniline  
Concen: 2.858 ng  
RT: 15.601 min Scan# 2109  
Delta R.T. 0.029 min  
Lab File: BM039570.D  
Acq: 22 Apr 2023 02:30

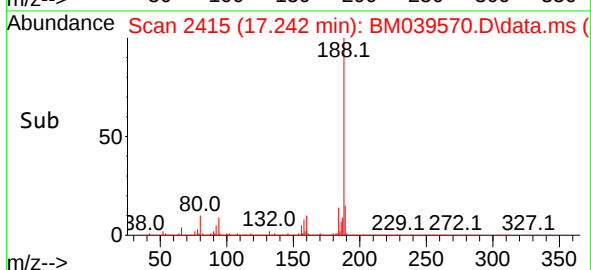
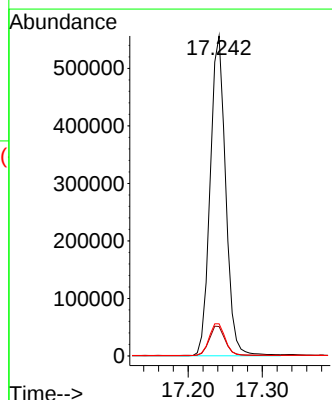
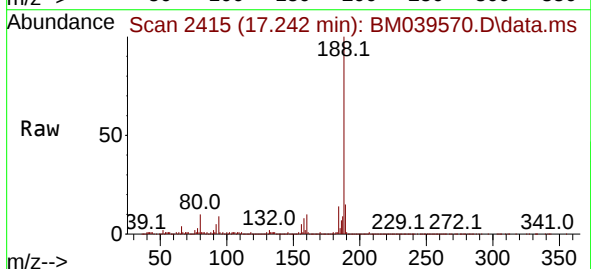
Instrument :  
BNA\_M  
ClientSampleId :  
VNJ-229

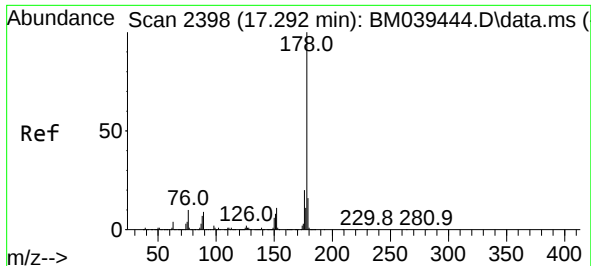
Tgt Ion:138 Resp: 493  
Ion Ratio Lower Upper  
138 100  
92 176.0 32.6 72.6#  
108 128.2 60.6 100.6#



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.242 min Scan# 2415  
Delta R.T. 0.012 min  
Lab File: BM039570.D  
Acq: 22 Apr 2023 02:30

Tgt Ion:188 Resp: 808831  
Ion Ratio Lower Upper  
188 100  
94 9.2 7.9 11.9  
80 10.0 8.9 13.3

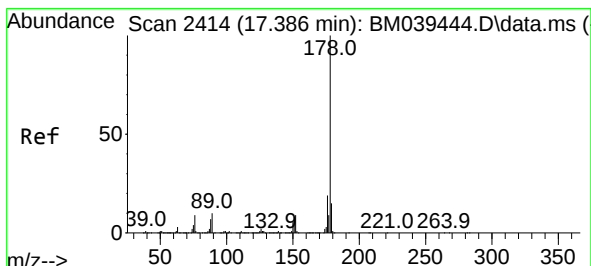
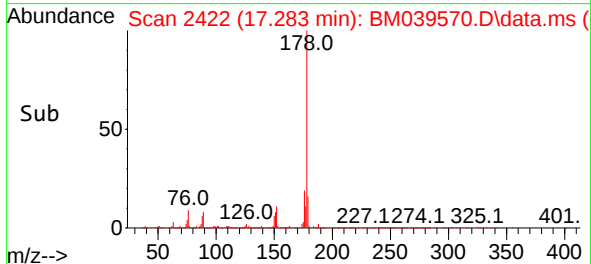
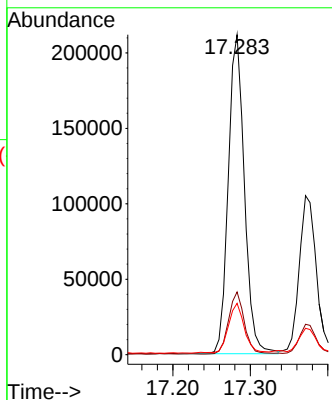
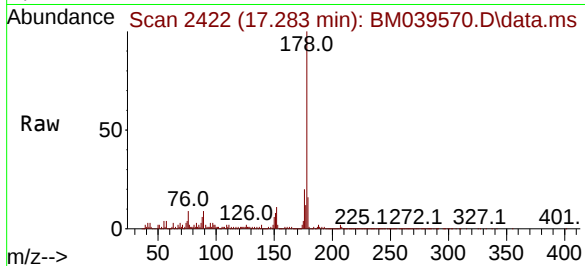




#71  
Phenanthrene  
Concen: 7.001 ng  
RT: 17.283 min Scan# 241  
Delta R.T. 0.006 min  
Lab File: BM039570.D  
Acq: 22 Apr 2023 02:30

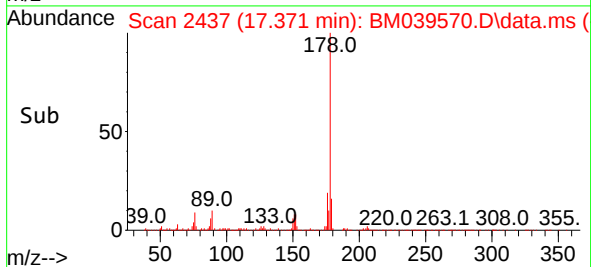
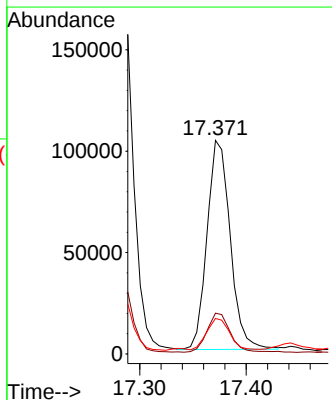
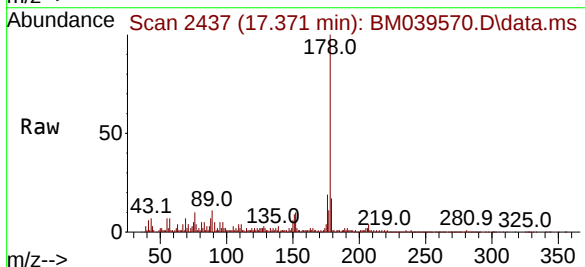
Instrument :  
BNA\_M  
ClientSampleId :  
VNJ-229

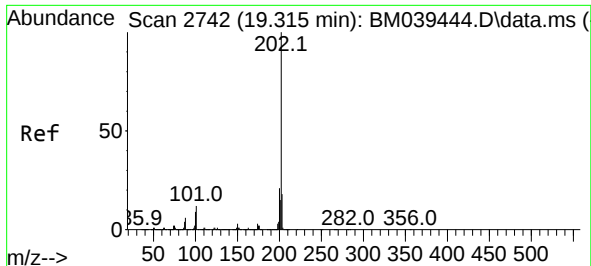
Tgt Ion:178 Resp: 307068  
Ion Ratio Lower Upper  
178 100  
176 19.6 15.6 23.4  
179 16.0 12.5 18.7



#72  
Anthracene  
Concen: 3.469 ng  
RT: 17.371 min Scan# 2437  
Delta R.T. 0.006 min  
Lab File: BM039570.D  
Acq: 22 Apr 2023 02:30

Tgt Ion:178 Resp: 156054  
Ion Ratio Lower Upper  
178 100  
176 19.1 15.2 22.8  
179 16.6 12.2 18.4

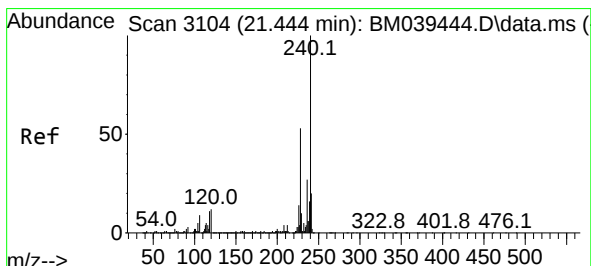
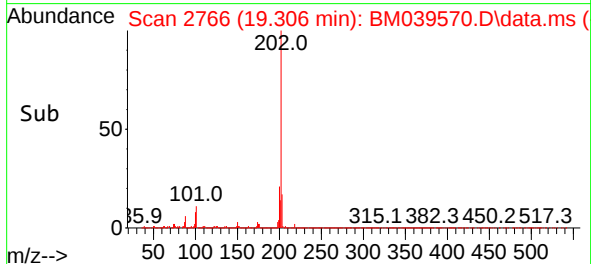
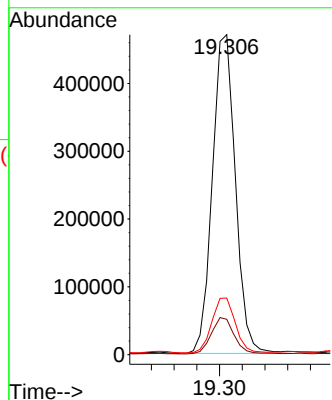
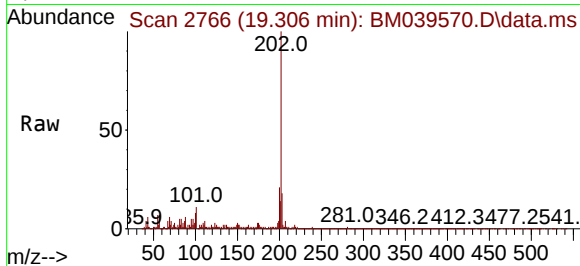




#75  
Fluoranthene  
Concen: 12.454 ng  
RT: 19.306 min Scan# 21  
Delta R.T. 0.012 min  
Lab File: BM039570.D  
Acq: 22 Apr 2023 02:30

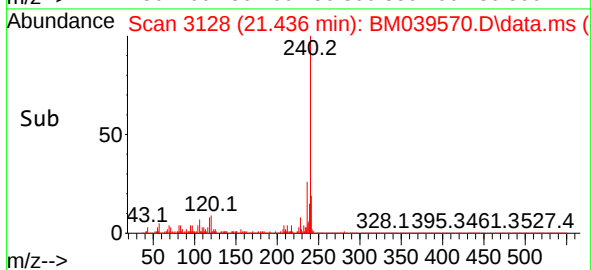
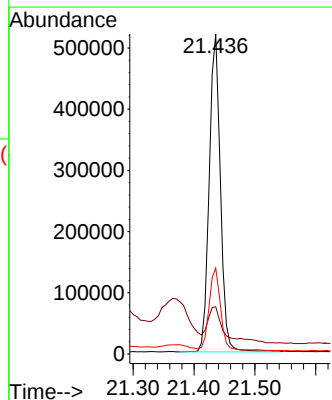
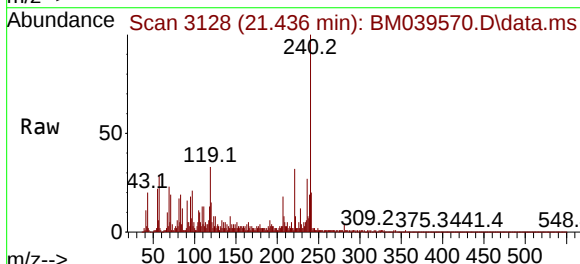
Instrument :  
BNA\_M  
ClientSampleId :  
VNJ-229

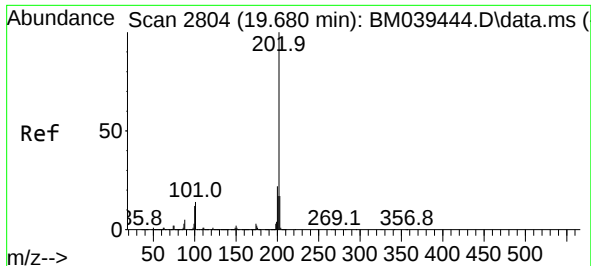
Tgt Ion:202 Resp: 662701  
Ion Ratio Lower Upper  
202 100  
101 11.1 0.0 32.1  
203 17.7 0.0 37.6



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.436 min Scan# 3128  
Delta R.T. 0.012 min  
Lab File: BM039570.D  
Acq: 22 Apr 2023 02:30

Tgt Ion:240 Resp: 663224  
Ion Ratio Lower Upper  
240 100  
120 14.8 9.4 14.2#  
236 26.8 21.2 31.8

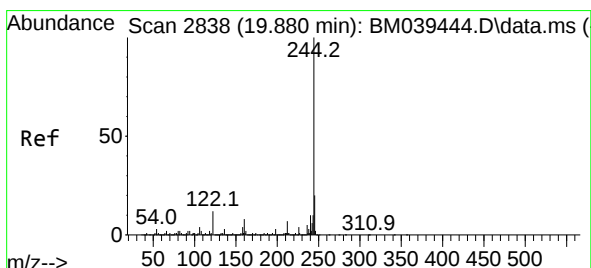
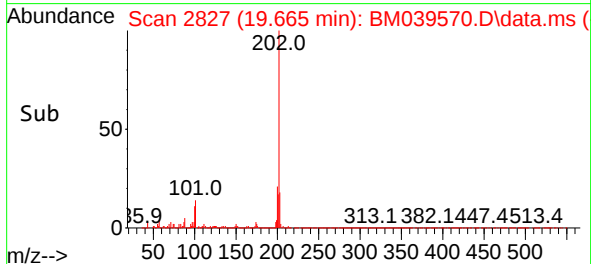
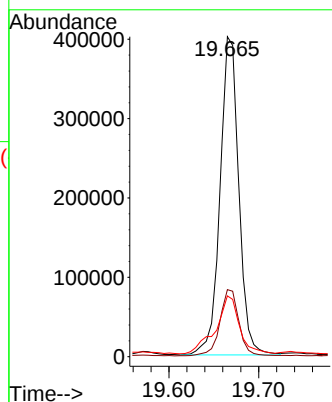
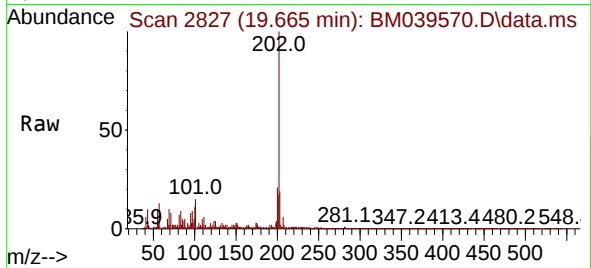




#78  
Pyrene  
Concen: 11.939 ng  
RT: 19.665 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: BM039570.D  
Acq: 22 Apr 2023 02:30

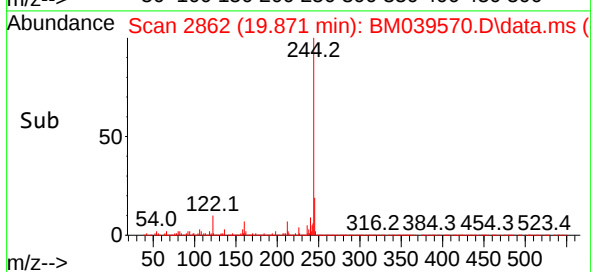
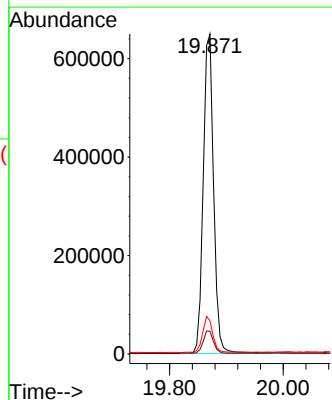
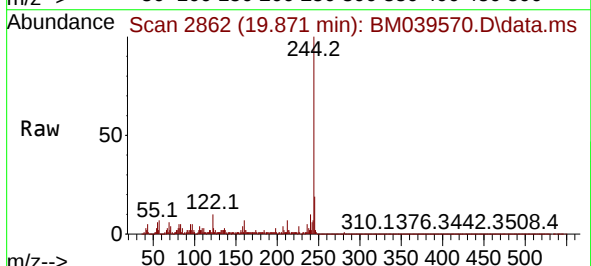
Instrument :  
BNA\_M  
ClientSampleId :  
VNJ-229

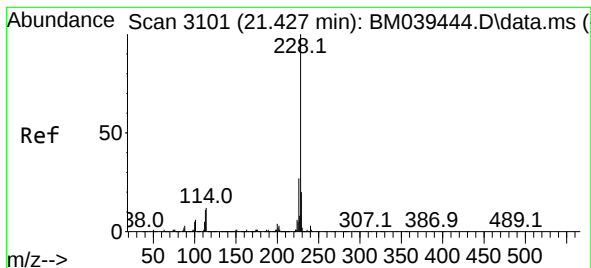
Tgt Ion:202 Resp: 582320  
Ion Ratio Lower Upper  
202 100  
200 21.0 17.2 25.8  
203 19.0 13.9 20.9



#79  
Terphenyl-d14  
Concen: 22.369 ng  
RT: 19.871 min Scan# 2862  
Delta R.T. 0.006 min  
Lab File: BM039570.D  
Acq: 22 Apr 2023 02:30

Tgt Ion:244 Resp: 822377  
Ion Ratio Lower Upper  
244 100  
212 7.1 5.8 8.8  
122 10.4 9.5 14.3





#81

Benzo(a)anthracene

Concen: 6.673 ng

RT: 21.418 min Scan# 3101

Delta R.T. 0.006 min

Lab File: BM039570.D

Acq: 22 Apr 2023 02:30

Instrument :

BNA\_M

ClientSampleId :

VNJ-229

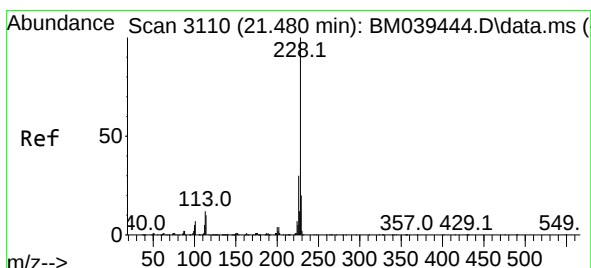
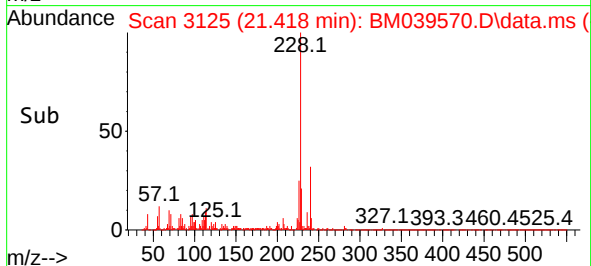
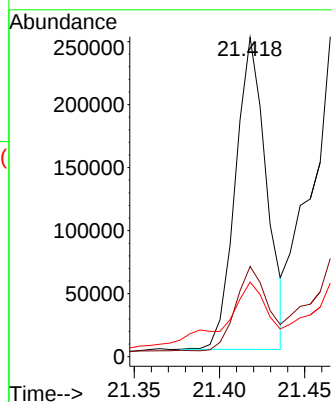
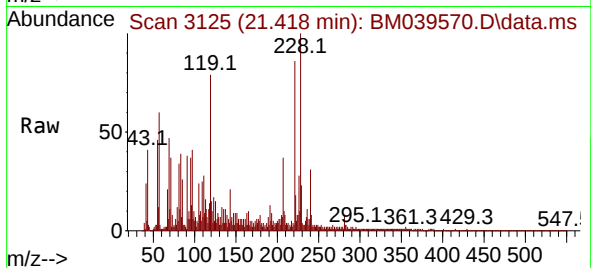
Tgt Ion:228 Resp: 314310

Ion Ratio Lower Upper

228 100

226 28.3 21.8 32.8

229 23.3 15.9 23.9



#83

Chrysene

Concen: 10.404 ng

RT: 21.471 min Scan# 3134

Delta R.T. 0.006 min

Lab File: BM039570.D

Acq: 22 Apr 2023 02:30

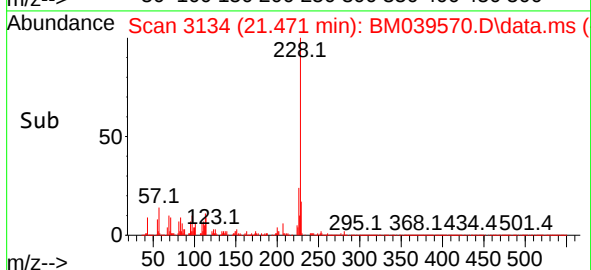
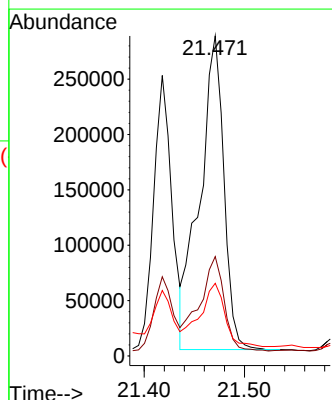
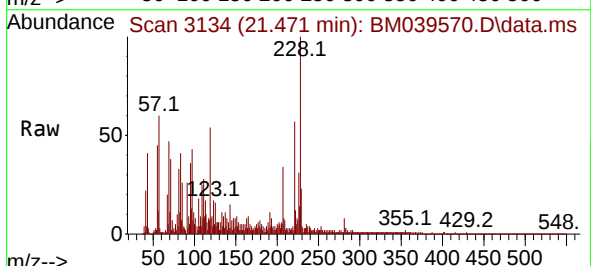
Tgt Ion:228 Resp: 474937

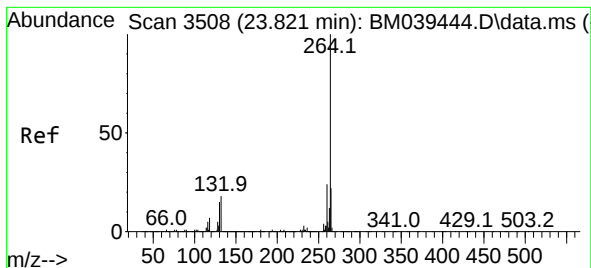
Ion Ratio Lower Upper

228 100

226 31.0 24.0 36.0

229 22.7 16.0 24.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.806 min Scan# 3

Delta R.T. 0.018 min

Lab File: BM039570.D

Acq: 22 Apr 2023 02:30

Instrument :

BNA\_M

ClientSampleId :

VNJ-229

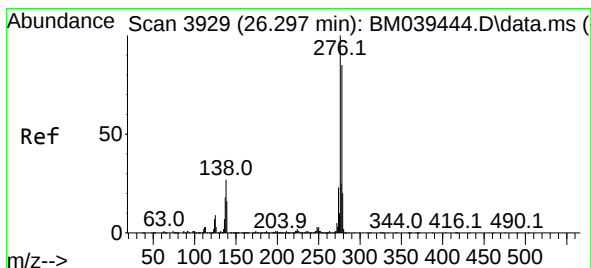
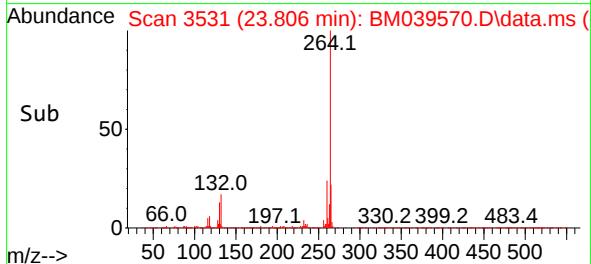
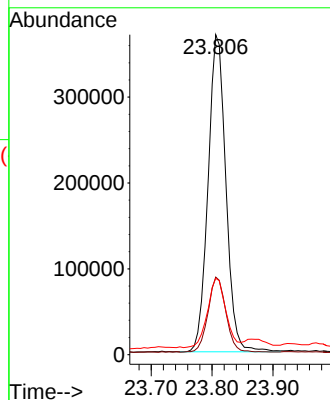
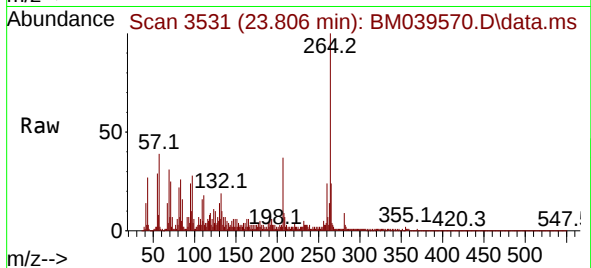
Tgt Ion:264 Resp: 752517

Ion Ratio Lower Upper

264 100

260 24.2 19.0 28.6

265 23.8 18.0 27.0



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.410 ng

RT: 26.265 min Scan# 3949

Delta R.T. 0.029 min

Lab File: BM039570.D

Acq: 22 Apr 2023 02:30

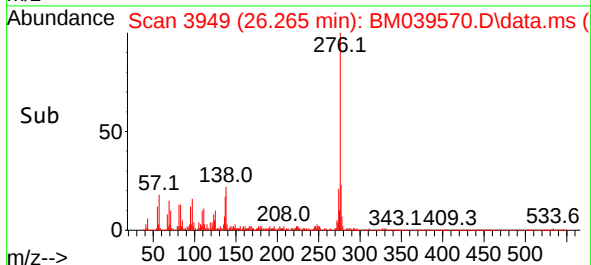
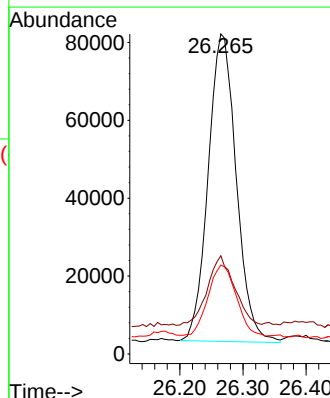
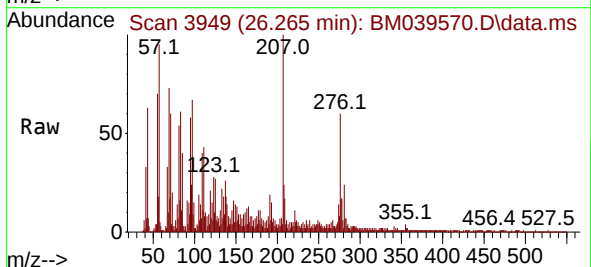
Tgt Ion:276 Resp: 243851

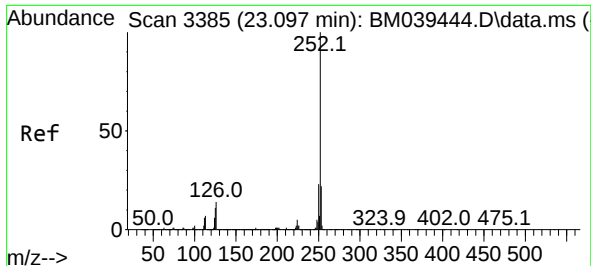
Ion Ratio Lower Upper

276 100

138 22.1 21.4 32.0

277 23.1 20.0 30.0

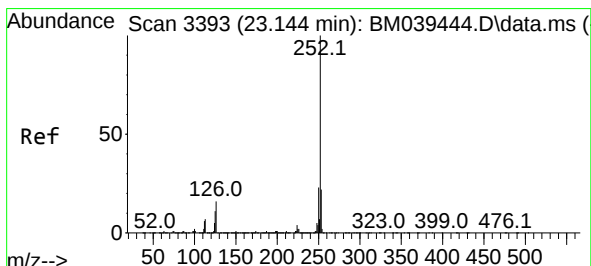
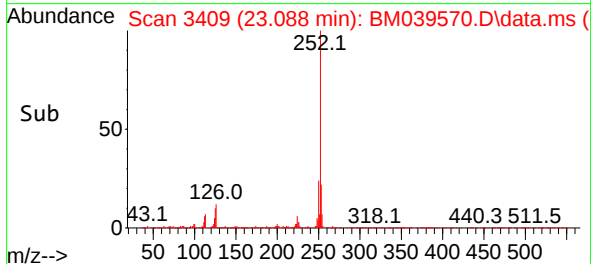
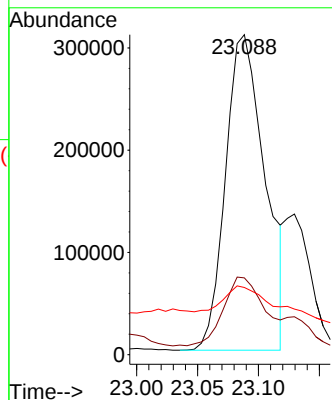
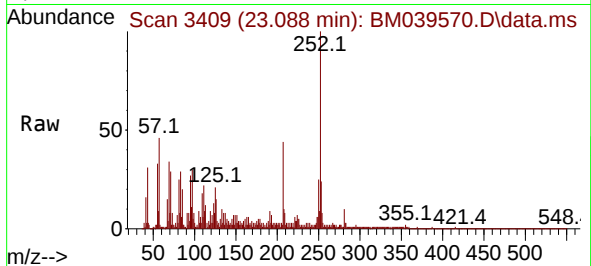




#88  
Benzo(b)fluoranthene  
Concen: 15.207 ng  
RT: 23.088 min Scan# 3409  
Delta R.T. 0.018 min  
Lab File: BM039570.D  
Acq: 22 Apr 2023 02:30

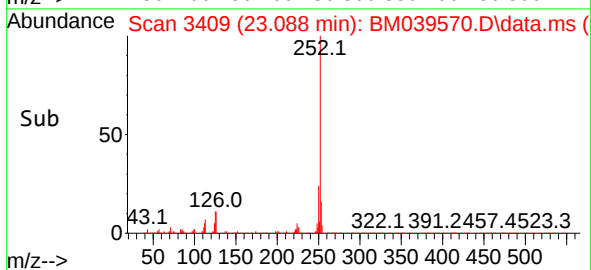
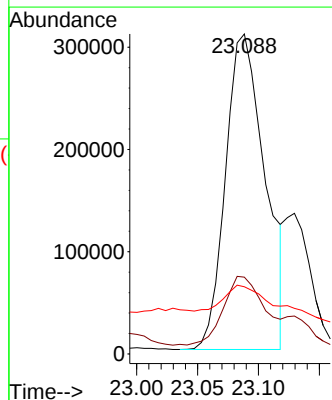
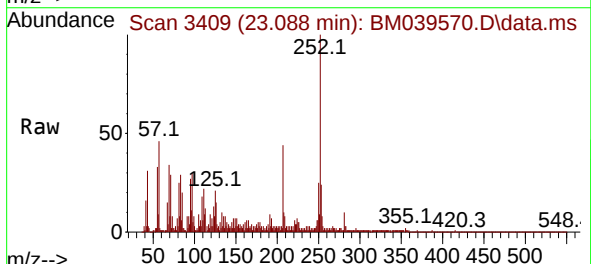
Instrument :  
BNA\_M  
ClientSampleId :  
VNJ-229

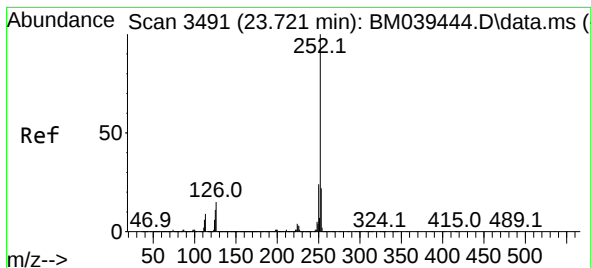
Tgt Ion:252 Resp: 697710  
Ion Ratio Lower Upper  
252 100  
253 24.0 17.8 26.6  
125 21.0 8.9 13.3#



#89  
Benzo(k)fluoranthene  
Concen: 14.545 ng  
RT: 23.088 min Scan# 3409  
Delta R.T. -0.030 min  
Lab File: BM039570.D  
Acq: 22 Apr 2023 02:30

Tgt Ion:252 Resp: 697710  
Ion Ratio Lower Upper  
252 100  
253 24.0 17.5 26.3  
125 21.0 8.8 13.2#





#90

Benzo(a)pyrene

Concen: 8.160 ng

RT: 23.700 min Scan# 3

Delta R.T. 0.018 min

Lab File: BM039570.D

Acq: 22 Apr 2023 02:30

Instrument :

BNA\_M

ClientSampleId :

VNJ-229

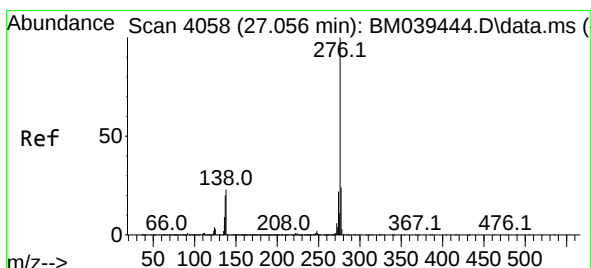
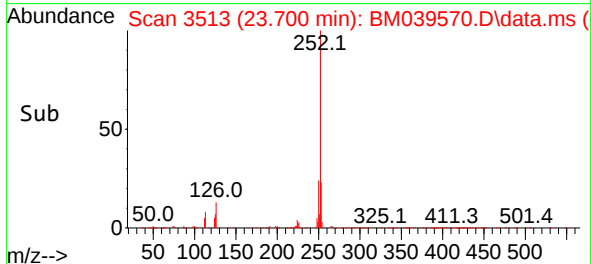
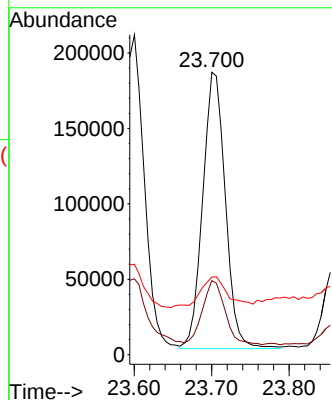
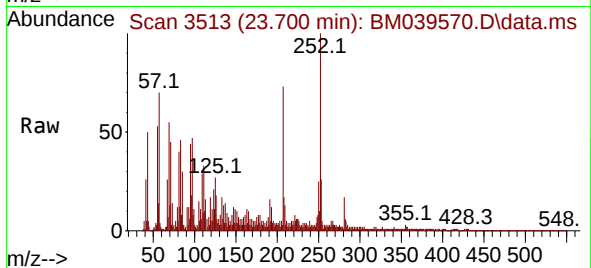
Tgt Ion:252 Resp: 372106

Ion Ratio Lower Upper

252 100

253 26.2 17.7 26.5

125 27.5 9.0 13.6#



#92

Benzo(g,h,i)perylene

Concen: 5.039 ng

RT: 27.029 min Scan# 4079

Delta R.T. 0.041 min

Lab File: BM039570.D

Acq: 22 Apr 2023 02:30

Tgt Ion:276 Resp: 229582

Ion Ratio Lower Upper

276 100

277 27.8 19.1 28.7

138 29.0 18.8 28.2#

