

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM121821\  
 Data File : BM033517.D  
 Acq On : 18 Dec 2021 13:47  
 Operator : CG/JU  
 Sample : PB141511BL  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB141511BL

Quant Time: Dec 20 07:06:56 2021  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM121621.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Dec 16 17:10:15 2021  
 Response via : Initial Calibration

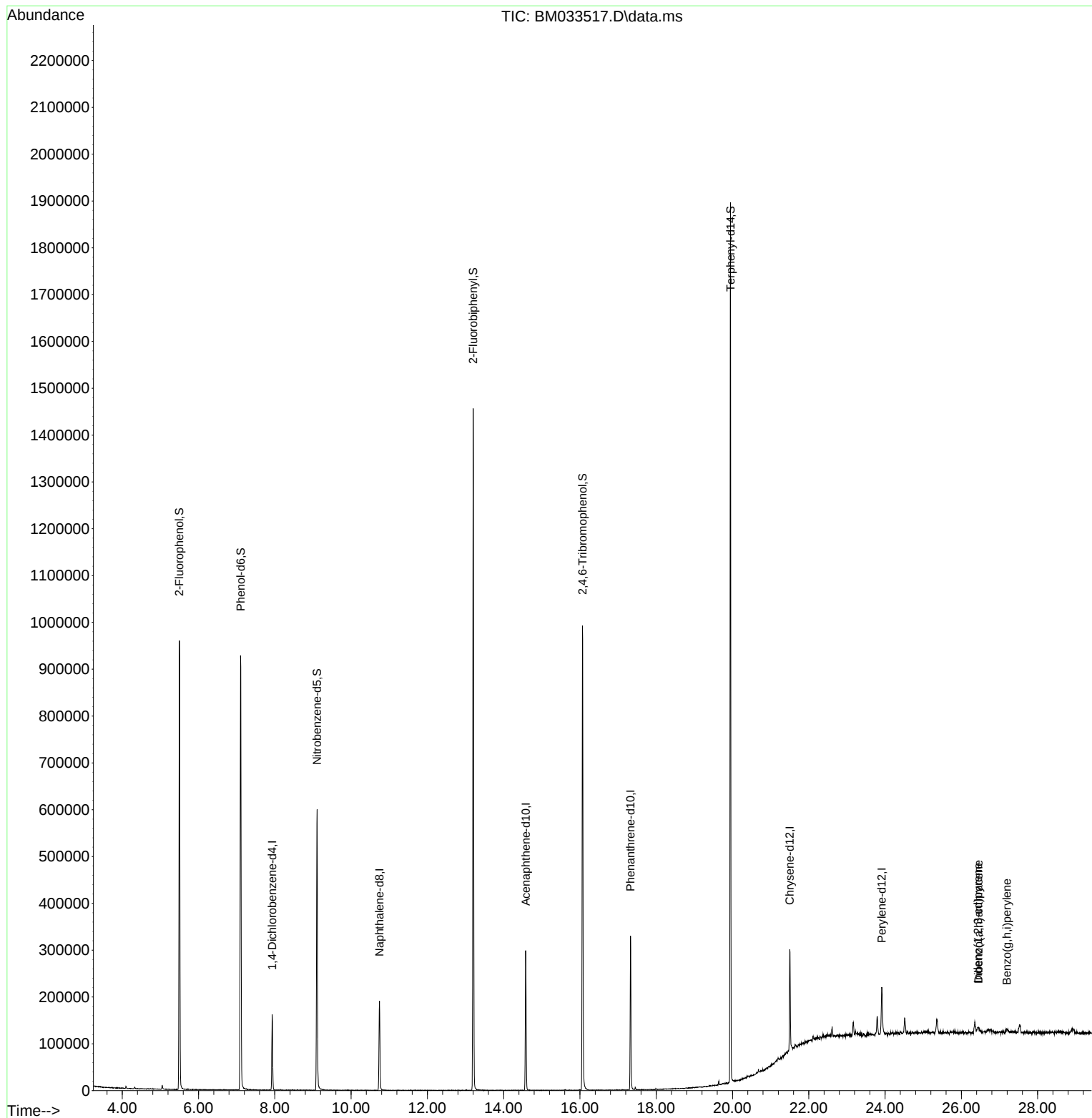
| Compound                    | R.T.   | QIon | Response | Conc      | Units | Dev(Min) |
|-----------------------------|--------|------|----------|-----------|-------|----------|
| -----                       |        |      |          |           |       |          |
| Internal Standards          |        |      |          |           |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.931  | 152  | 35640    | 20.000    | ng    | -0.01    |
| 21) Naphthalene-d8          | 10.742 | 136  | 144695   | 20.000    | ng    | -0.01    |
| 39) Acenaphthene-d10        | 14.577 | 164  | 97313    | 20.000    | ng    | -0.01    |
| 64) Phenanthrene-d10        | 17.324 | 188  | 188477   | 20.000    | ng    | -0.01    |
| 76) Chrysene-d12            | 21.501 | 240  | 114008   | 20.000    | ng    | -0.01    |
| 86) Perylene-d12            | 23.912 | 264  | 86587    | 20.000    | ng    | -0.02    |
|                             |        |      |          |           |       |          |
| System Monitoring Compounds |        |      |          |           |       |          |
| 5) 2-Fluorophenol           | 5.496  | 112  | 314734   | 152.381   | ng    | 0.00     |
| 7) Phenol-d6                | 7.101  | 99   | 411618   | 148.501   | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 9.107  | 82   | 318677   | 94.566    | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 16.072 | 330  | 139218   | 127.179   | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.201 | 172  | 645673   | 91.782    | ng    | -0.01    |
| 79) Terphenyl-d14           | 19.948 | 244  | 756345   | 104.443   | ng    | 0.00     |
|                             |        |      |          |           |       |          |
| Target Compounds            |        |      |          |           |       | Qvalue   |
| 2) 1,4-Dioxane              | 3.402  | 88   | 149      | Below Cal | #     | 23       |
| 9) Benzaldehyde             | 7.101  | 77   | 1290     | Below Cal | #     | 7        |
| 87) Indeno(1,2,3-cd)pyrene  | 26.436 | 276  | 16198    | 4.058     | ng    | # 67     |
| 91) Dibenzo(a,h)anthracene  | 26.447 | 278  | 13433    | 4.486     | ng    | # 80     |
| 92) Benzo(g,h,i)perylene    | 27.194 | 276  | 8829     | 2.293     | ng    | # 91     |
| -----                       |        |      |          |           |       |          |

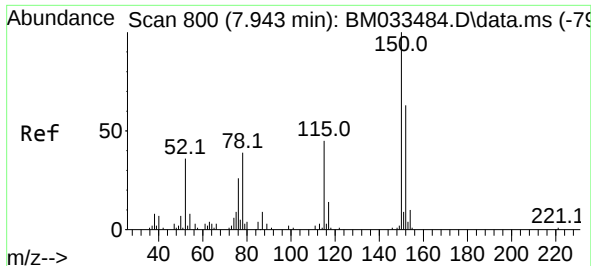
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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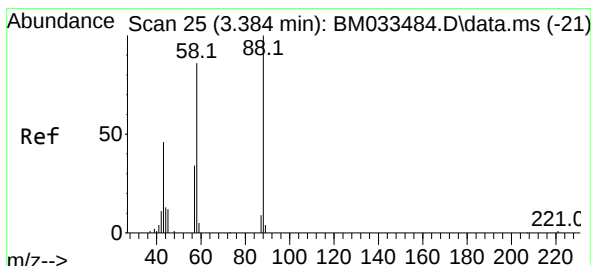
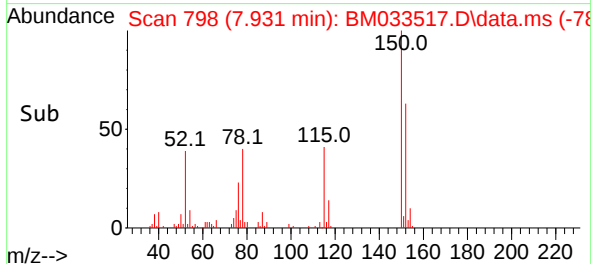
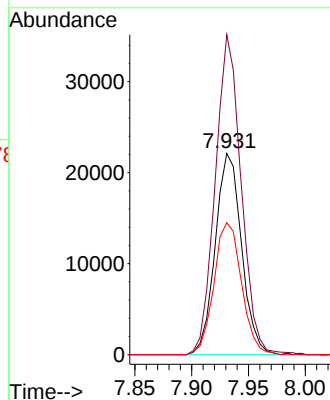
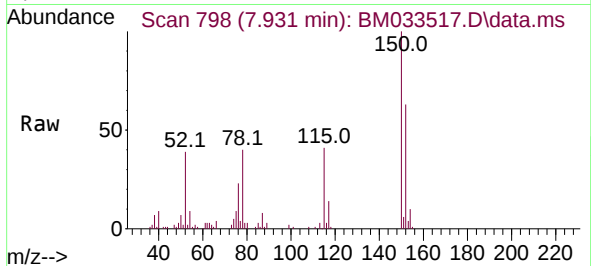




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.931 min Scan# 79  
Delta R.T. -0.012 min  
Lab File: BM033517.D  
Acq: 18 Dec 2021 13:47

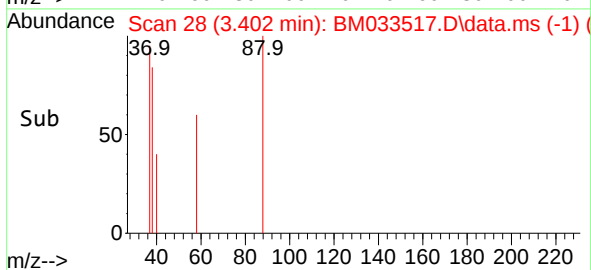
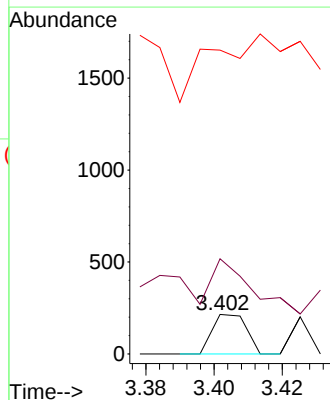
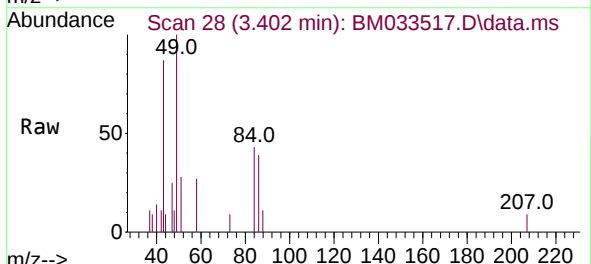
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BNA\_M  
ClientSampleId :  
PB141511BL

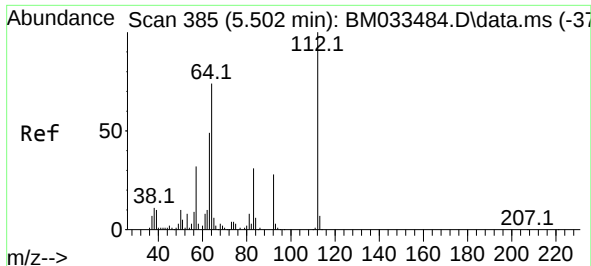
Tgt Ion:152 Resp: 35640  
Ion Ratio Lower Upper  
152 100  
150 159.0 128.9 193.3  
115 65.6 53.0 79.6



#2  
1,4-Dioxane  
Concen: Below Cal  
RT: 3.402 min Scan# 28  
Delta R.T. 0.018 min  
Lab File: BM033517.D  
Acq: 18 Dec 2021 13:47

Tgt Ion: 88 Resp: 149  
Ion Ratio Lower Upper  
88 100  
58 159.1 67.0 100.4#  
43 0.0 31.6 47.4#

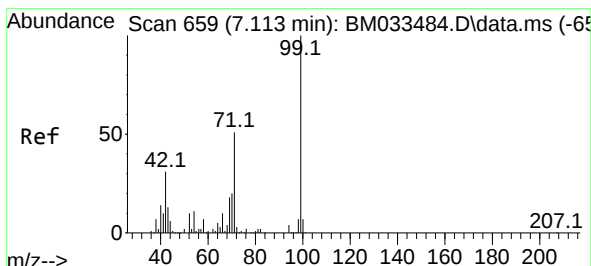
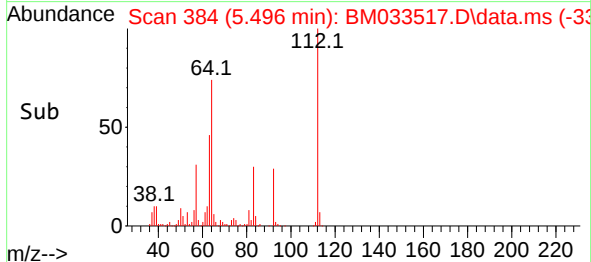
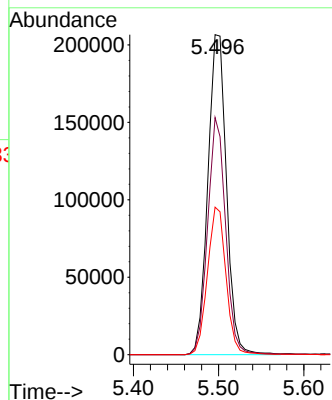
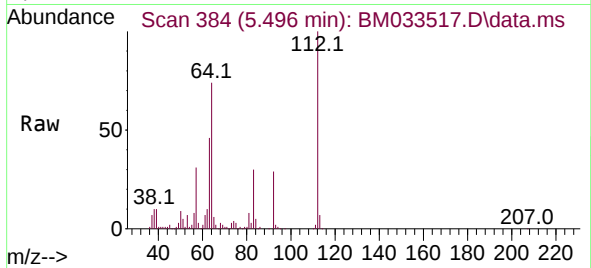




#5  
2-Fluorophenol  
Concen: 152.381 ng  
RT: 5.496 min Scan# 31  
Delta R.T. -0.006 min  
Lab File: BM033517.D  
Acq: 18 Dec 2021 13:47

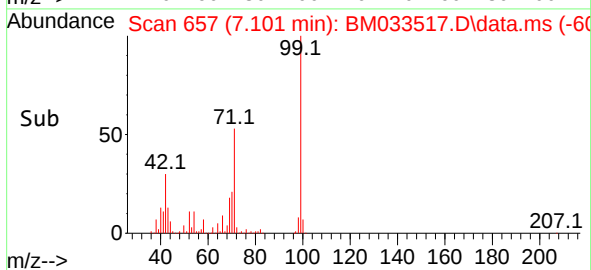
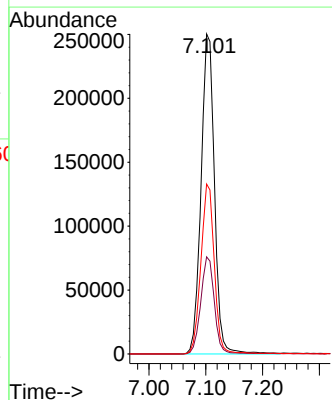
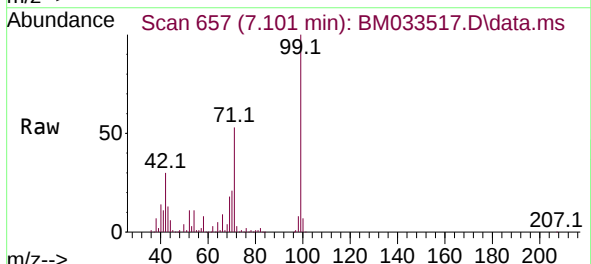
Instrument :  
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ClientSampleId :  
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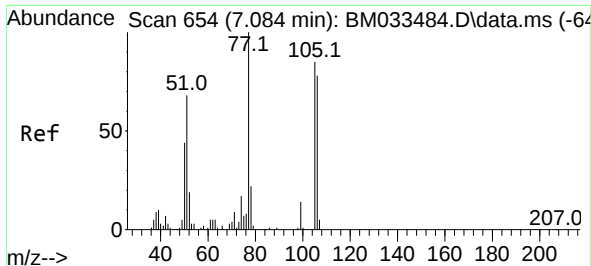
Tgt Ion:112 Resp: 314734  
Ion Ratio Lower Upper  
112 100  
64 74.1 55.5 83.3  
63 46.1 31.3 46.9



#7  
Phenol-d6  
Concen: 148.501 ng  
RT: 7.101 min Scan# 657  
Delta R.T. -0.012 min  
Lab File: BM033517.D  
Acq: 18 Dec 2021 13:47

Tgt Ion: 99 Resp: 411618  
Ion Ratio Lower Upper  
99 100  
42 30.3 20.3 30.5  
71 53.1 34.5 51.7#

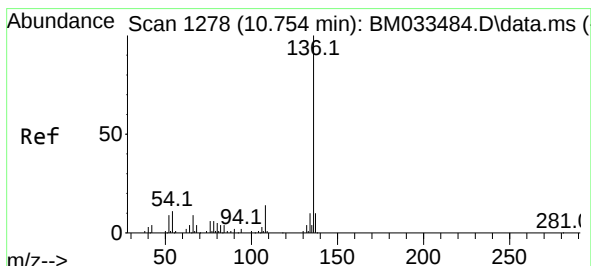
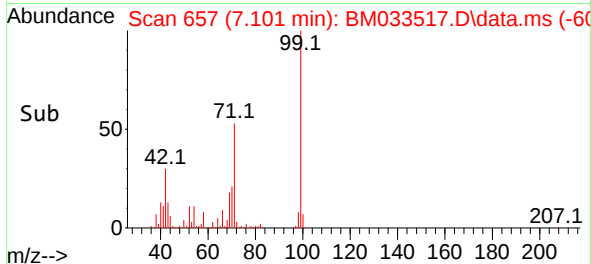
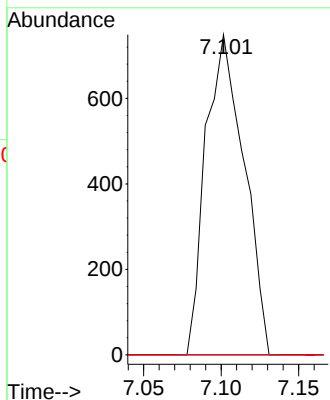
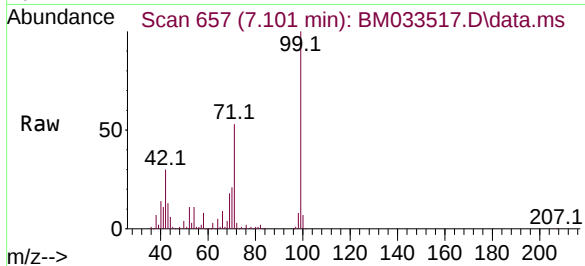




#9  
Benzaldehyde  
Concen: Below Cal  
RT: 7.101 min Scan# 61  
Delta R.T. 0.017 min  
Lab File: BM033517.D  
Acq: 18 Dec 2021 13:47

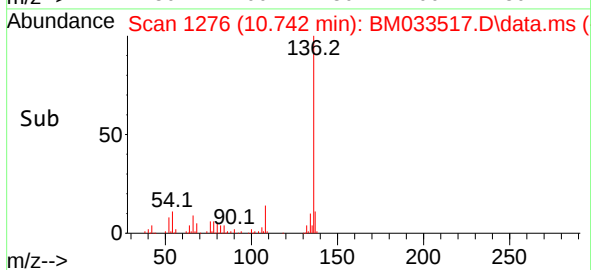
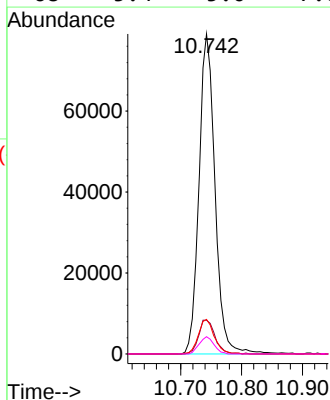
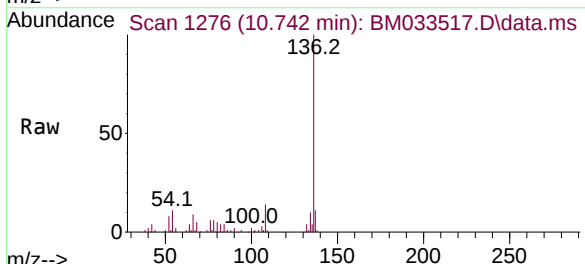
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ClientSampleId :  
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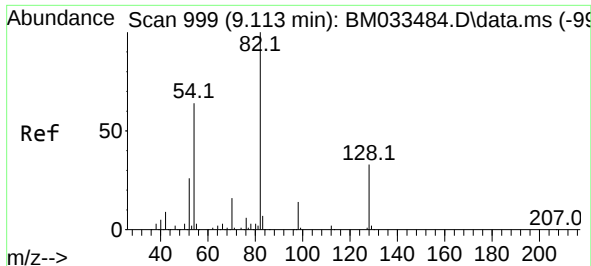
Tgt Ion: 77 Resp: 1290  
Ion Ratio Lower Upper  
77 100  
105 0.0 67.1 107.1#  
106 0.0 64.3 104.3#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.742 min Scan# 1276  
Delta R.T. -0.012 min  
Lab File: BM033517.D  
Acq: 18 Dec 2021 13:47

Tgt Ion:136 Resp: 144695  
Ion Ratio Lower Upper  
136 100  
137 10.5 8.6 13.0  
54 10.8 8.3 12.5  
68 5.4 5.0 7.6

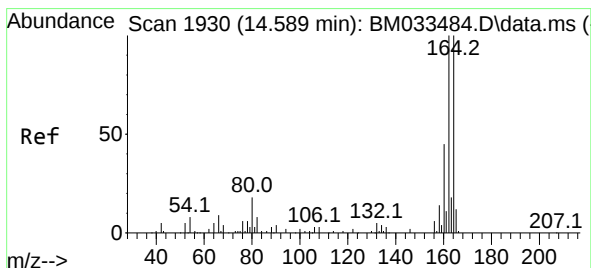
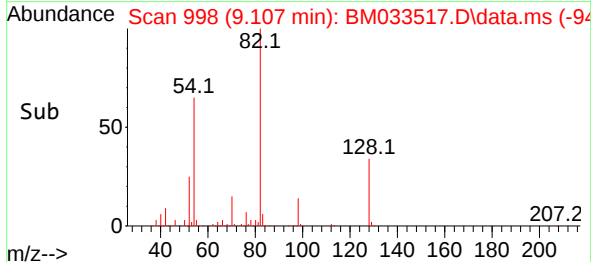
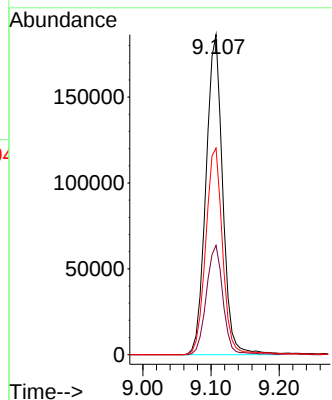
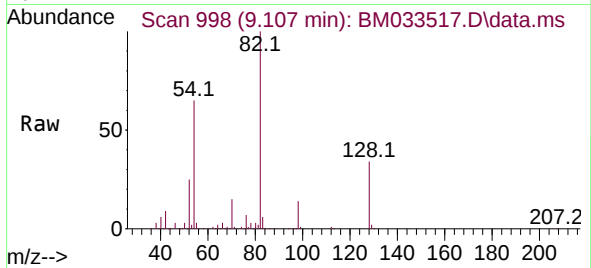




#23  
Nitrobenzene-d5  
Concen: 94.566 ng  
RT: 9.107 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: BM033517.D  
Acq: 18 Dec 2021 13:47

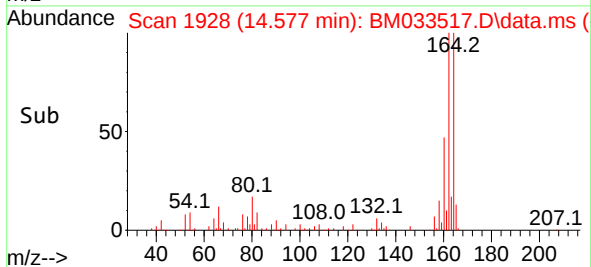
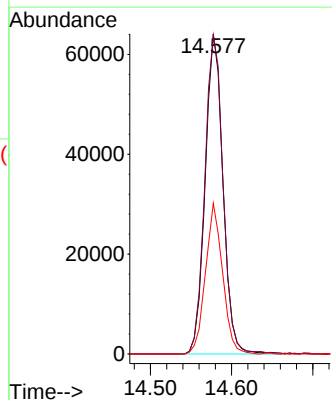
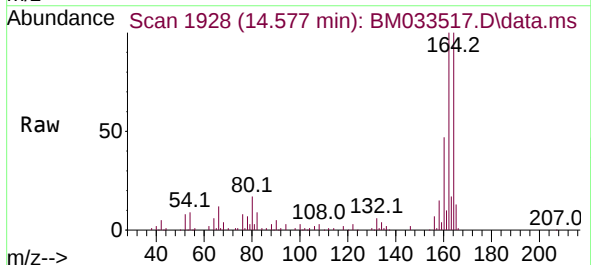
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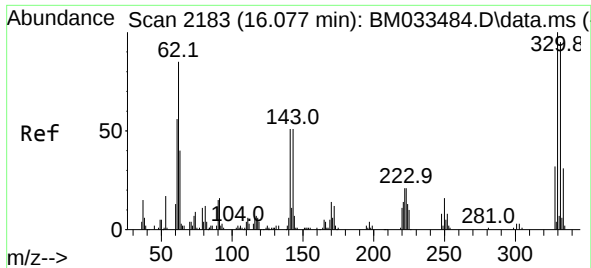
Tgt Ion: 82 Resp: 318677  
Ion Ratio Lower Upper  
82 100  
128 34.2 28.1 42.1  
54 64.6 46.1 69.1



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.577 min Scan# 1928  
Delta R.T. -0.012 min  
Lab File: BM033517.D  
Acq: 18 Dec 2021 13:47

Tgt Ion: 164 Resp: 97313  
Ion Ratio Lower Upper  
164 100  
162 99.6 79.7 119.5  
160 47.1 34.2 51.4

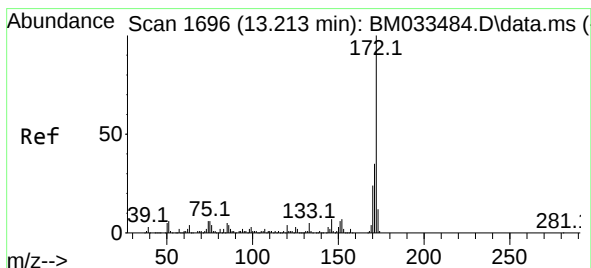
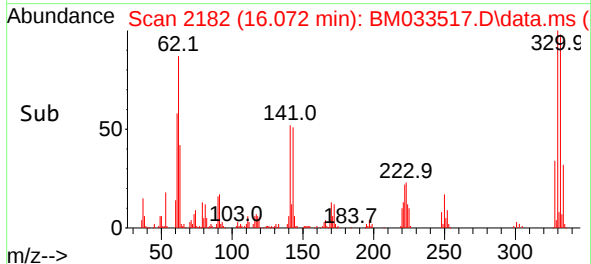
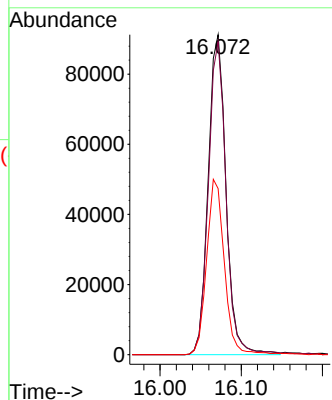
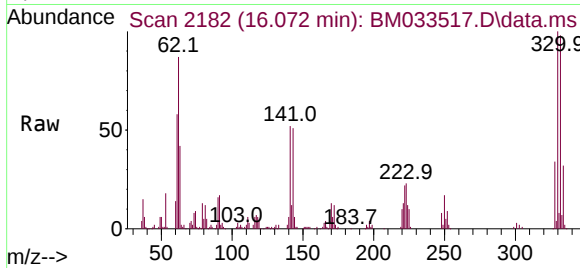




#42  
2,4,6-Tribromophenol  
Concen: 127.179 ng  
RT: 16.072 min Scan# 2183  
Delta R.T. -0.006 min  
Lab File: BM033517.D  
Acq: 18 Dec 2021 13:47

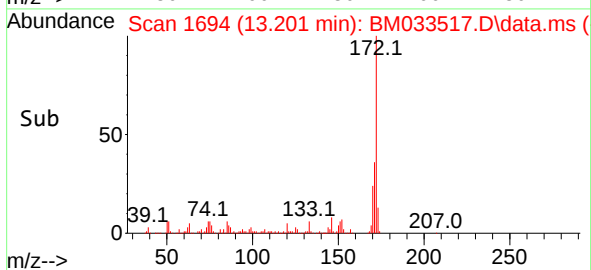
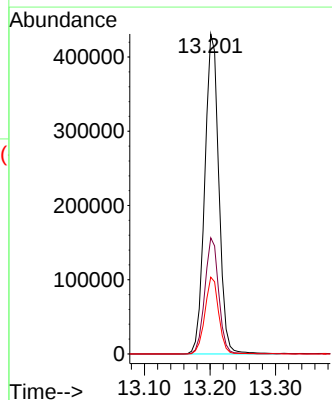
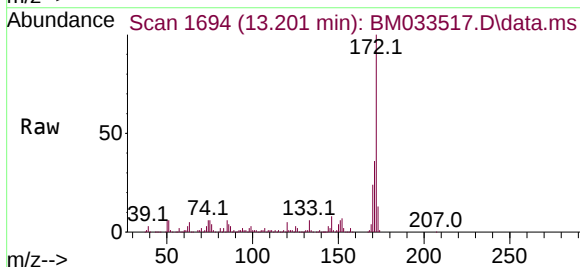
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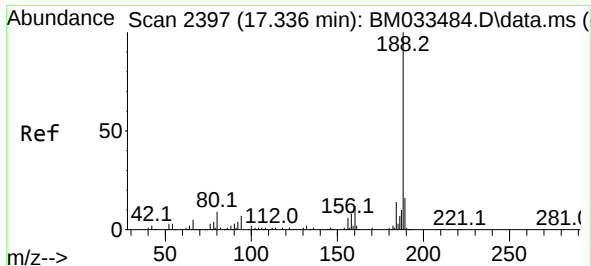
Tgt Ion:330 Resp: 139218  
Ion Ratio Lower Upper  
330 100  
332 97.5 76.5 114.7  
141 54.7 35.9 53.9#



#45  
2-Fluorobiphenyl  
Concen: 91.782 ng  
RT: 13.201 min Scan# 1694  
Delta R.T. -0.012 min  
Lab File: BM033517.D  
Acq: 18 Dec 2021 13:47

Tgt Ion:172 Resp: 645673  
Ion Ratio Lower Upper  
172 100  
171 36.3 27.2 40.8  
170 24.0 18.7 28.1

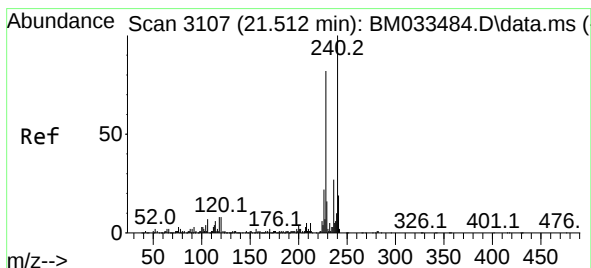
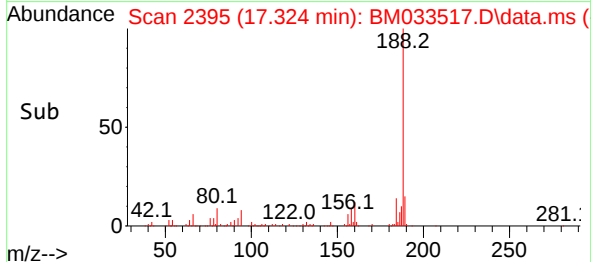
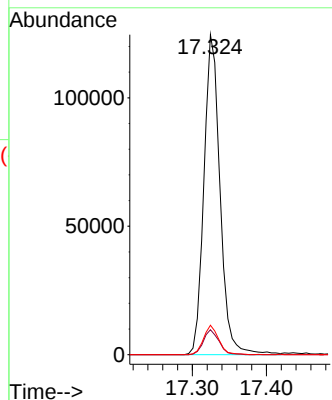
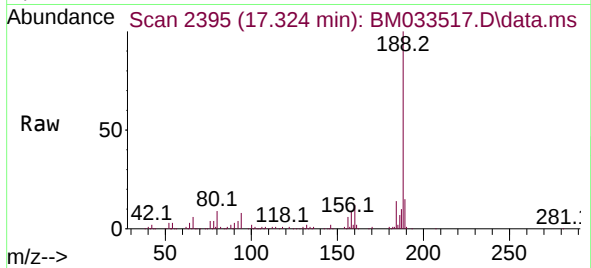




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.324 min Scan# 21  
Delta R.T. -0.012 min  
Lab File: BM033517.D  
Acq: 18 Dec 2021 13:47

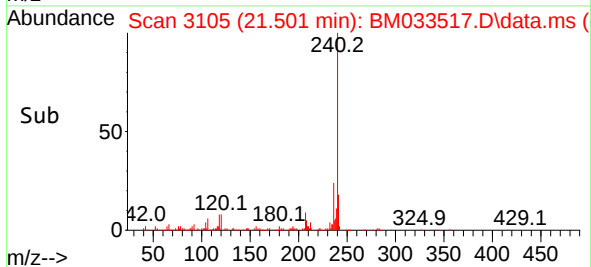
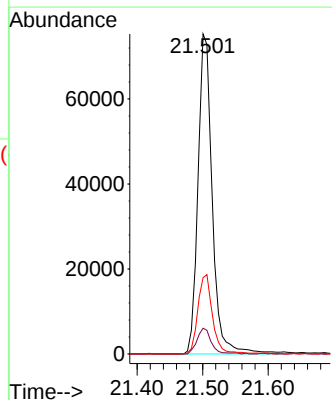
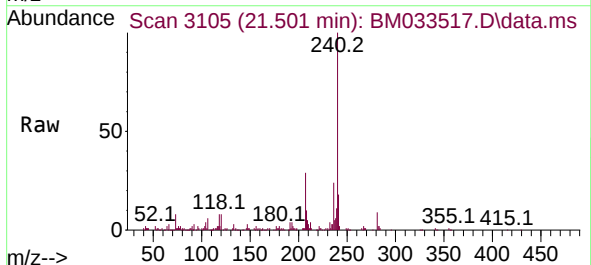
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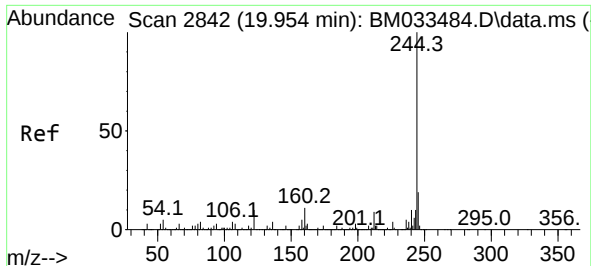
Tgt Ion:188 Resp: 188477  
Ion Ratio Lower Upper  
188 100  
94 7.8 7.5 11.3  
80 9.2 8.9 13.3



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.501 min Scan# 3105  
Delta R.T. -0.011 min  
Lab File: BM033517.D  
Acq: 18 Dec 2021 13:47

Tgt Ion:240 Resp: 114008  
Ion Ratio Lower Upper  
240 100  
120 8.1 7.8 11.6  
236 23.9 20.3 30.5

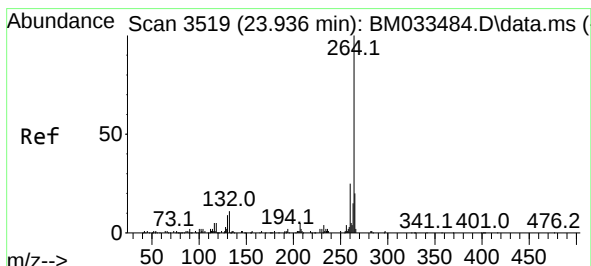
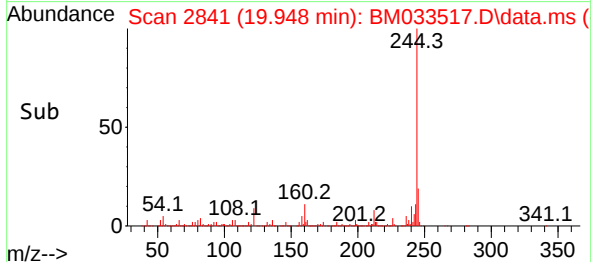
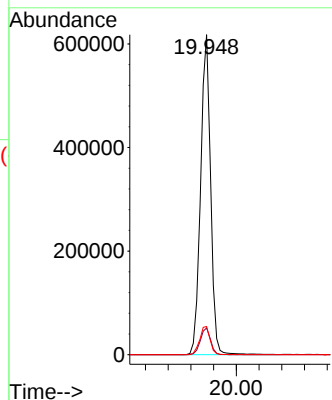
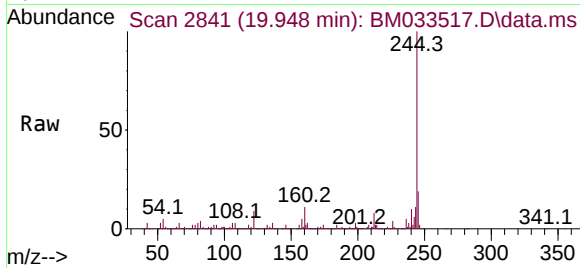




#79  
 Terphenyl-d14  
 Concen: 104.443 ng  
 RT: 19.948 min Scan# 21  
 Delta R.T. -0.006 min  
 Lab File: BM033517.D  
 Acq: 18 Dec 2021 13:47

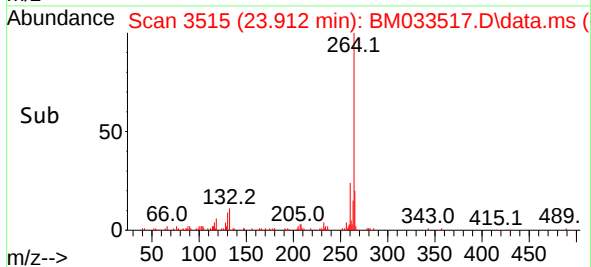
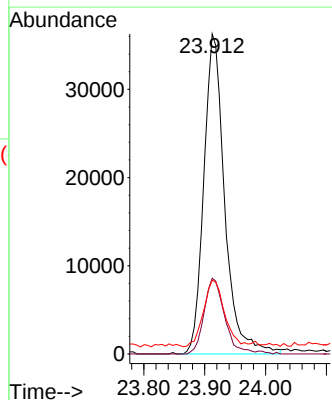
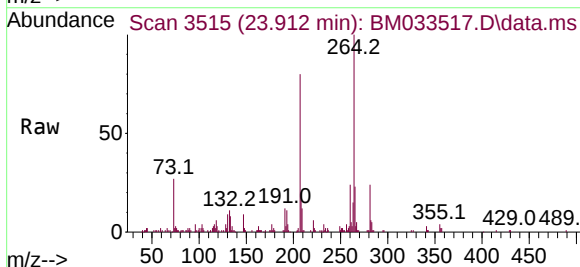
Instrument :  
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 ClientSampleId :  
 PB141511BL

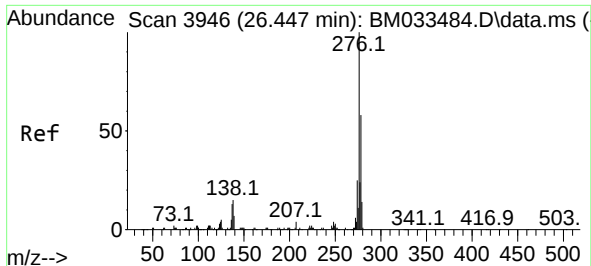
Tgt Ion:244 Resp: 756345  
 Ion Ratio Lower Upper  
 244 100  
 212 8.3 5.9 8.9  
 122 8.8 8.4 12.6



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 23.912 min Scan# 3515  
 Delta R.T. -0.024 min  
 Lab File: BM033517.D  
 Acq: 18 Dec 2021 13:47

Tgt Ion:264 Resp: 86587  
 Ion Ratio Lower Upper  
 264 100  
 260 23.7 17.7 26.5  
 265 23.0 17.7 26.5

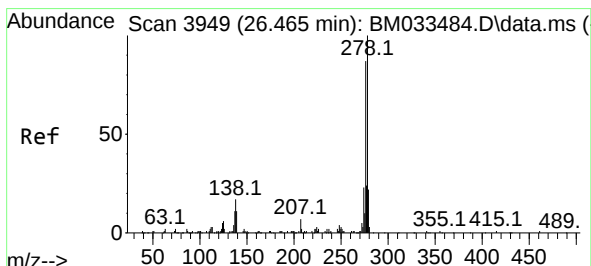
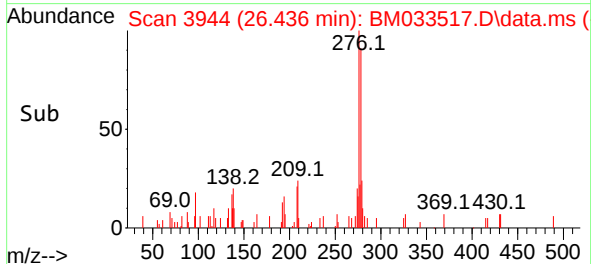
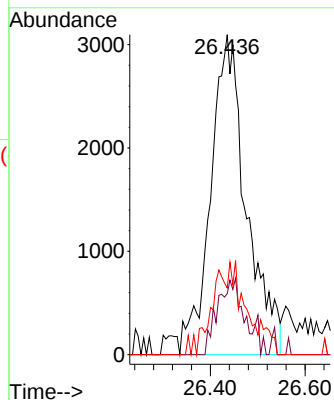
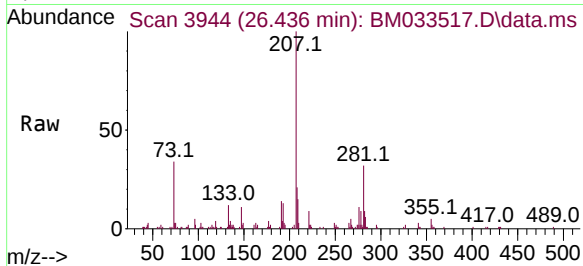




#87  
 Indeno(1,2,3-cd)pyrene  
 Concen: 4.058 ng  
 RT: 26.436 min Scan# 3944  
 Delta R.T. -0.011 min  
 Lab File: BM033517.D  
 Acq: 18 Dec 2021 13:47

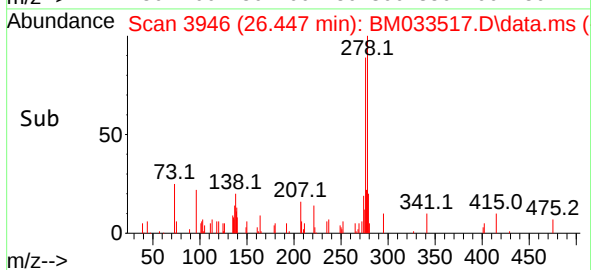
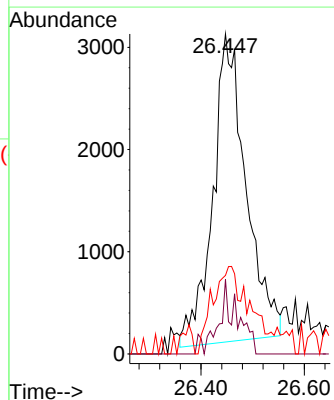
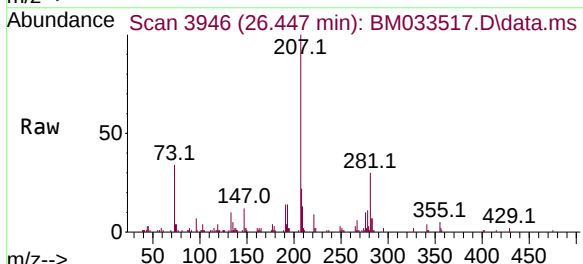
Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB141511BL

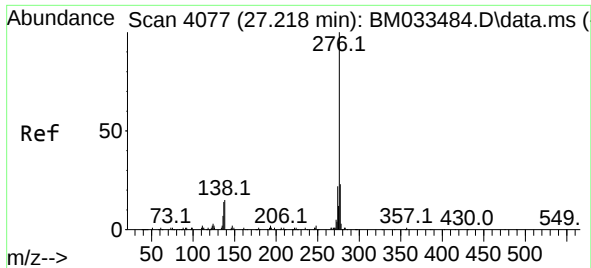
Tgt Ion:276 Resp: 16198  
 Ion Ratio Lower Upper  
 276 100  
 138 16.5 18.7 28.1#  
 277 0.0 20.2 30.4#



#91  
 Dibenzo(a,h)anthracene  
 Concen: 4.486 ng  
 RT: 26.447 min Scan# 3946  
 Delta R.T. -0.018 min  
 Lab File: BM033517.D  
 Acq: 18 Dec 2021 13:47

Tgt Ion:278 Resp: 13433  
 Ion Ratio Lower Upper  
 278 100  
 139 31.1 10.9 16.3#  
 279 24.6 17.7 26.5





#92

Benzo(g,h,i)perylene

Concen: 2.293 ng

RT: 27.194 min Scan# 40

Delta R.T. -0.024 min

Lab File: BM033517.D

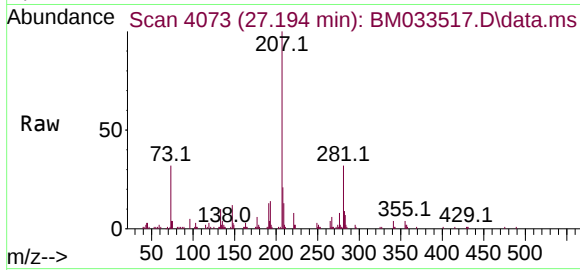
Acq: 18 Dec 2021 13:47

Instrument :

BNA\_M

ClientSampleId :

PB141511BL



Tgt Ion:276 Resp: 8829

Ion Ratio Lower Upper

276 100

277 30.0 19.1 28.7#

138 20.9 14.8 22.2

