

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM012921\  
 Data File : BM028617.D  
 Acq On : 29 Jan 2021 21:53  
 Operator : CG/JU  
 Sample : M1241-01RE 5X  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 FACILITY-1RE

Manual Integrations  
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Quant Time: Jan 29 23:51:07 2021  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM012021.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jan 29 16:19:07 2021  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|--------|------|----------|-------|-------|----------|
| -----                       |        |      |          |       |       |          |
| Internal Standards          |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.934  | 152  | 33339    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.739 | 136  | 128769   | 20.00 | ng    | # 0.00   |
| 39) Acenaphthene-d10        | 14.580 | 164  | 71440    | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.315 | 188  | 138960   | 20.00 | ng    | # 0.00   |
| 76) Chrysene-d12            | 21.456 | 240  | 134209   | 20.00 | ng    | #-0.01   |
| 86) Perylene-d12            | 23.715 | 264  | 138345   | 20.00 | ng    | -0.01    |
| System Monitoring Compounds |        |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.481  | 112  | 257      | 0.12  | ng    | 0.00     |
| 7) Phenol-d6                | 7.110  | 99   | 5655     | 1.97  | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 9.104  | 82   | 22869    | 8.42  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 0.000  | 330  | 0        | 0.00  | ng    |          |
| 45) 2-Fluorobiphenyl        | 13.204 | 172  | 52313    | 9.19  | ng    | 0.00     |
| 79) Terphenyl-d14           | 19.915 | 244  | 64729    | 8.71  | ng    | 0.00     |
| Target Compounds            |        |      |          |       |       |          |
|                             |        |      |          |       |       | Qvalue   |
| 71) Phenanthrene            | 17.357 | 178  | 29962    | 3.51  | ng    | 99       |
| 75) Fluoranthene            | 19.356 | 202  | 37507    | 3.91  | ng    | 95       |
| 78) Pyrene                  | 19.721 | 202  | 34451    | 3.58  | ng    | 98       |
| 81) Benzo(a)anthracene      | 21.445 | 228  | 19317    | 2.08  | ng    | 97       |
| 88) Benzo(b)fluoranthene    | 23.039 | 252  | 20010m   | 2.13  | ng    |          |
| -----                       |        |      |          |       |       |          |

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

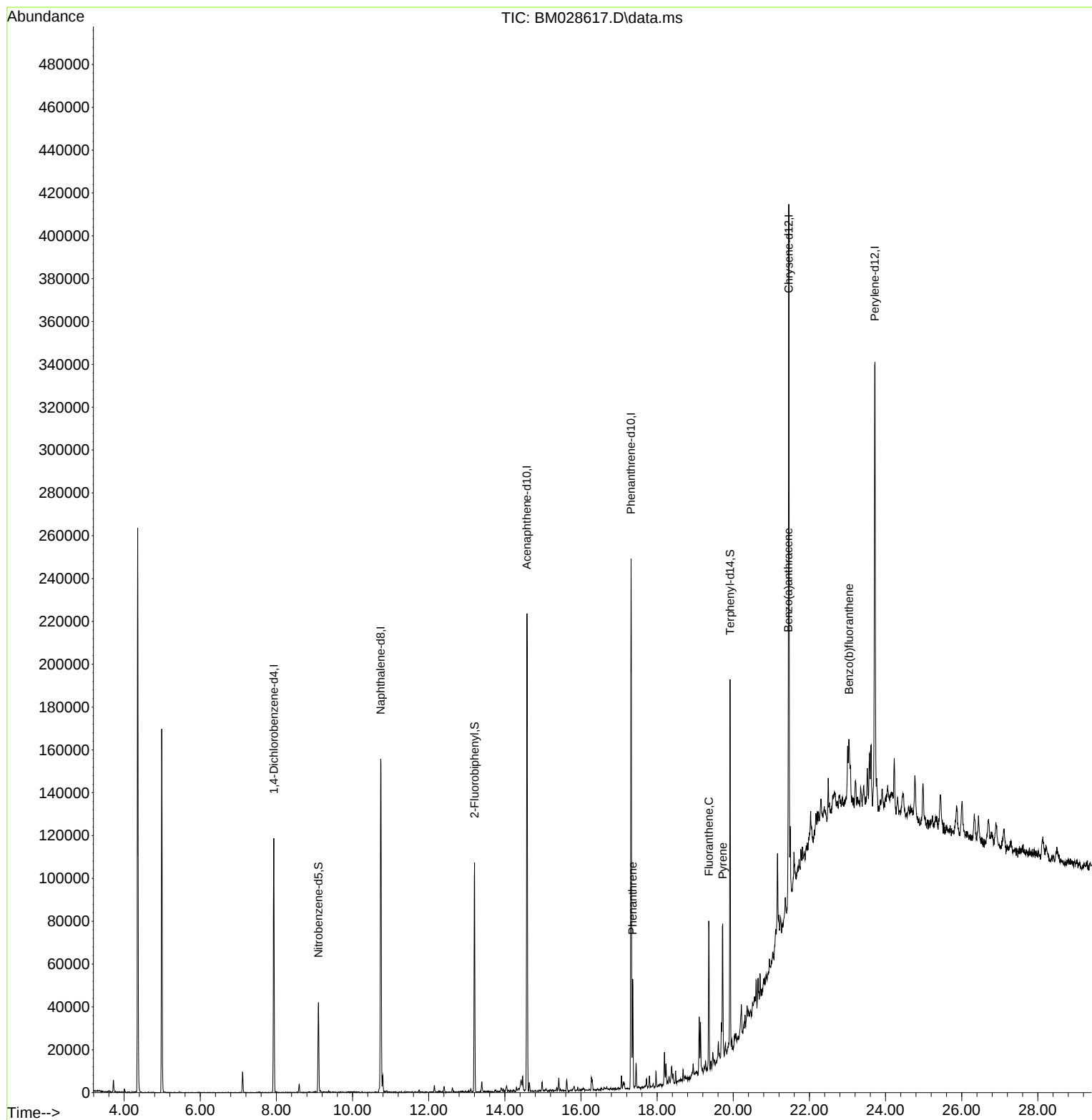
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM012921\  
Data File : BM028617.D  
Acq On : 29 Jan 2021 21:53  
Operator : CG/JU  
Sample : M1241-01RE 5X  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

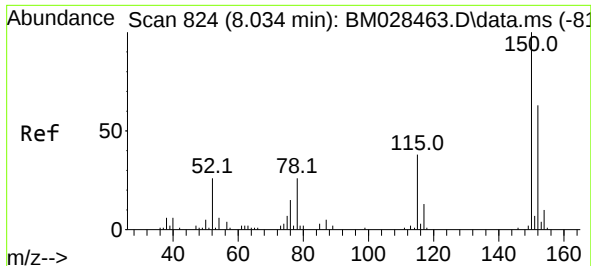
Instrument :  
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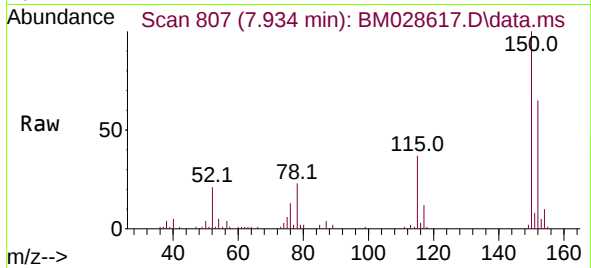
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Quant Time: Jan 29 23:51:07 2021  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM012021.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Jan 29 16:19:07 2021  
Response via : Initial Calibration

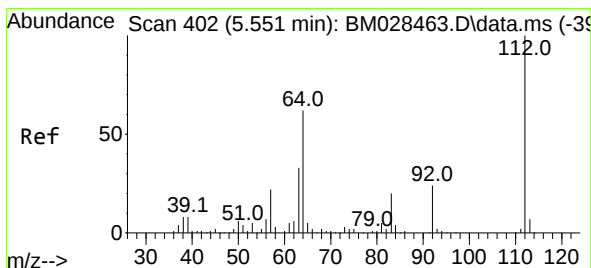
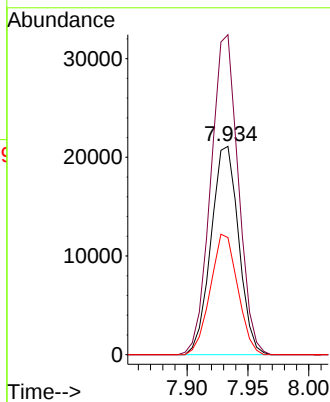
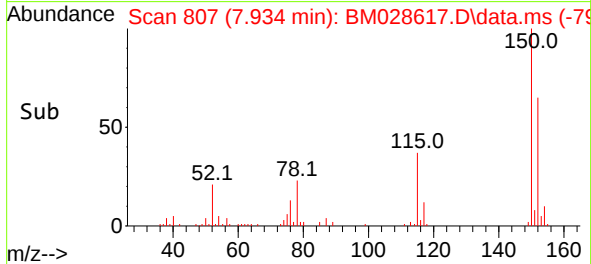




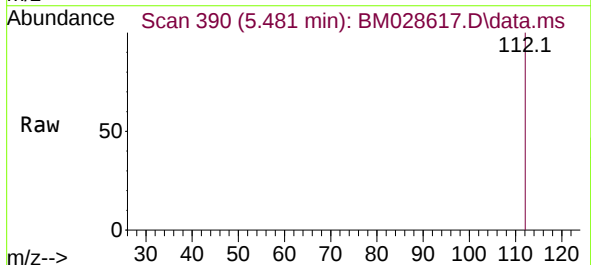
#1  
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 7.934 min Scan# 807  
Delta R.T. -0.000 min  
Lab File: BM028617.D  
Acq: 29 Jan 2021 21:53



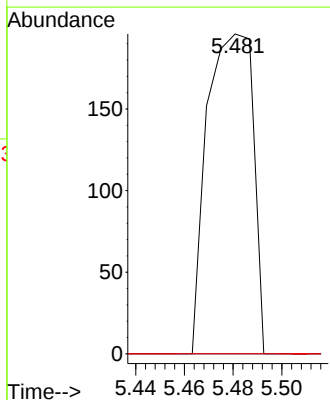
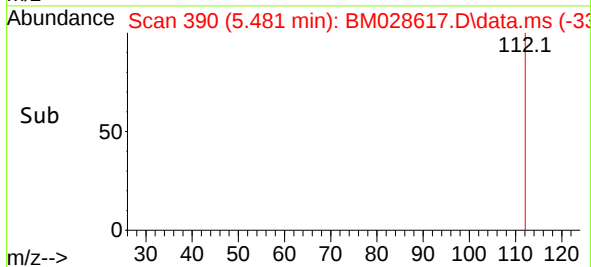
Tgt Ion:152 Resp: 33339  
Ion Ratio Lower Upper  
152 100  
150 153.6 120.6 181.0  
115 56.2 47.2 70.8



#5  
2-Fluorophenol  
Concen: 0.12 ng  
RT: 5.481 min Scan# 390  
Delta R.T. -0.000 min  
Lab File: BM028617.D  
Acq: 29 Jan 2021 21:53



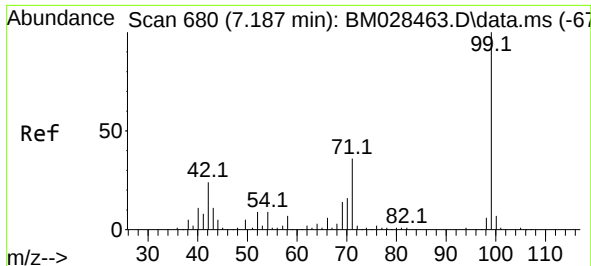
Tgt Ion:112 Resp: 257  
Ion Ratio Lower Upper  
112 100  
64 0.0 50.6 76.0#  
63 0.0 31.0 46.6#



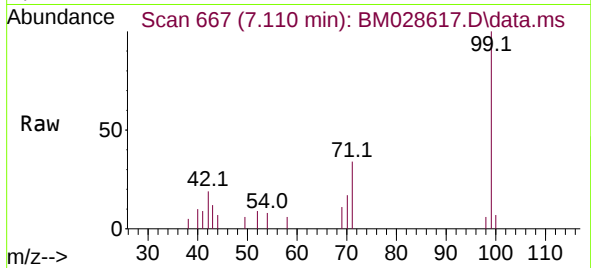
Instrument :  
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ClientSampleId :  
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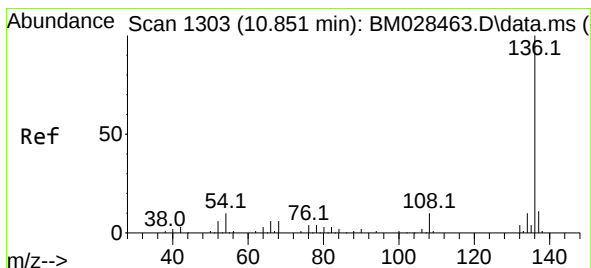
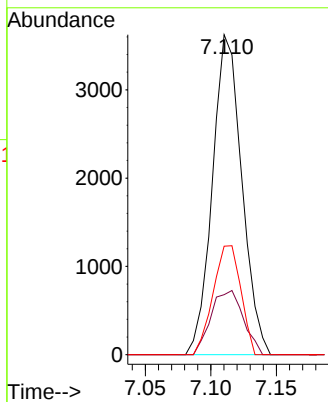
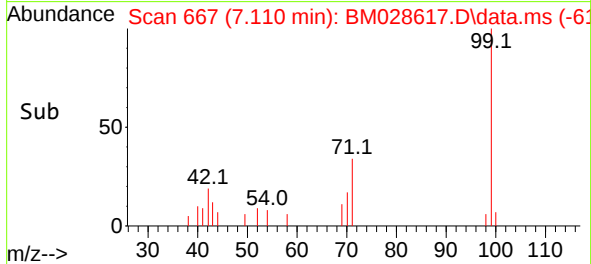
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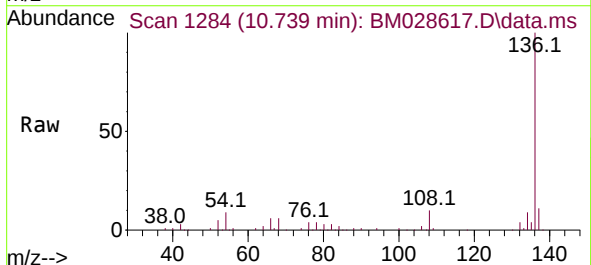
#7  
Phenol-d6  
Concen: 1.97 ng  
RT: 7.110 min Scan# 667  
Delta R.T. -0.012 min  
Lab File: BM028617.D  
Acq: 29 Jan 2021 21:53



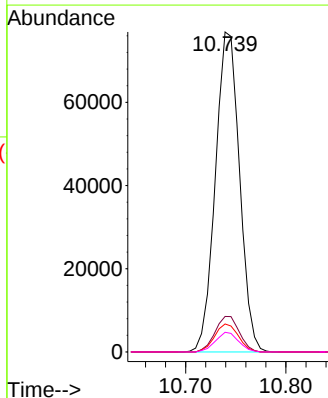
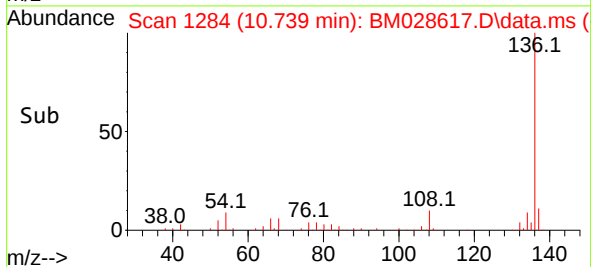
Tgt Ion: 99 Resp: 5655  
Ion Ratio Lower Upper  
99 100  
42 18.7 13.5 20.3  
71 33.9 39.4 59.0#



#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 10.739 min Scan# 1284  
Delta R.T. -0.006 min  
Lab File: BM028617.D  
Acq: 29 Jan 2021 21:53



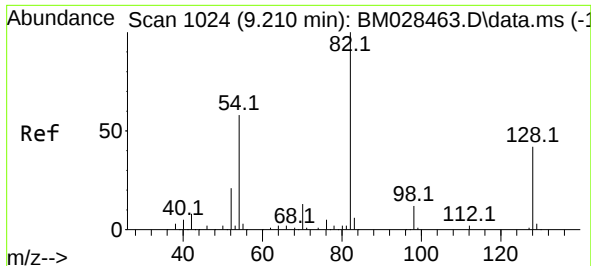
Tgt Ion: 136 Resp: 128769  
Ion Ratio Lower Upper  
136 100  
137 11.1 8.6 12.8  
54 8.7 4.6 7.0#  
68 6.2 4.1 6.1#



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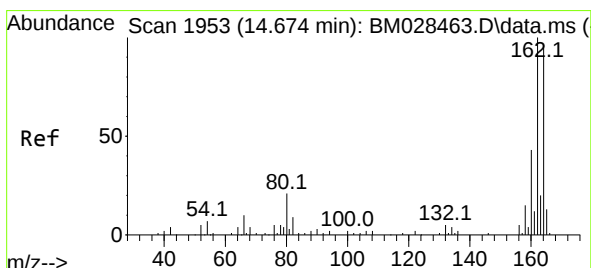
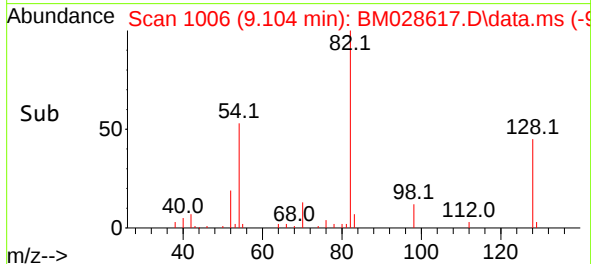
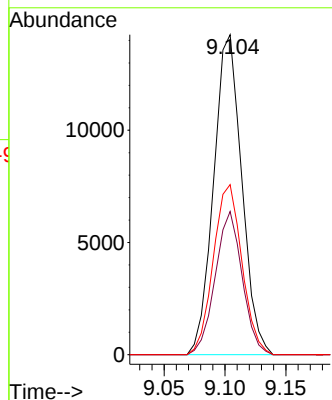
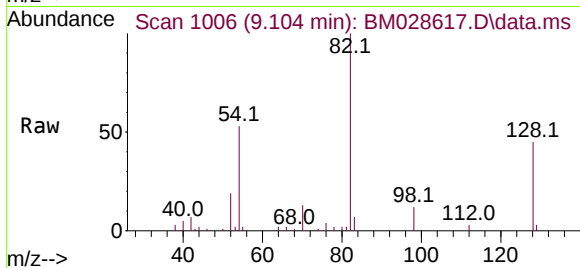
#23  
Nitrobenzene-d5  
Concen: 8.42 ng  
RT: 9.104 min Scan# 1006  
Delta R.T. -0.006 min  
Lab File: BM028617.D  
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Tgt Ion: 82 Resp: 22869  
Ion Ratio Lower Upper  
82 100  
128 44.7 27.4 41.0#  
54 53.1 31.4 47.0#

Instrument :  
BNA\_M  
ClientSampleId :  
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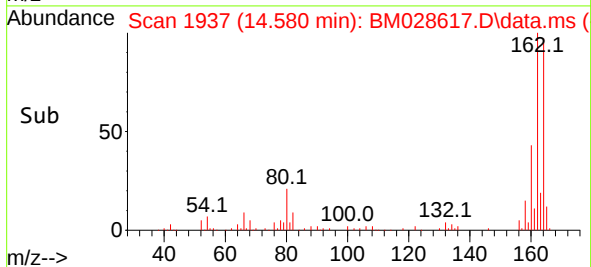
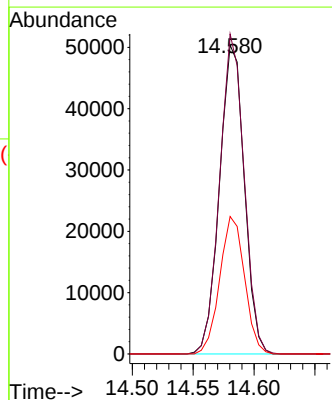
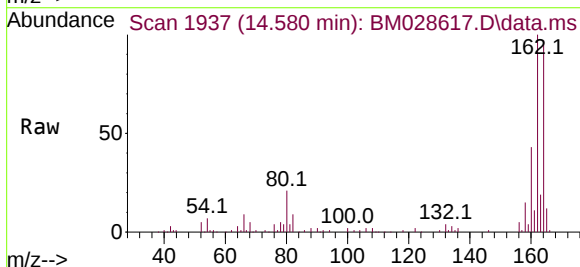
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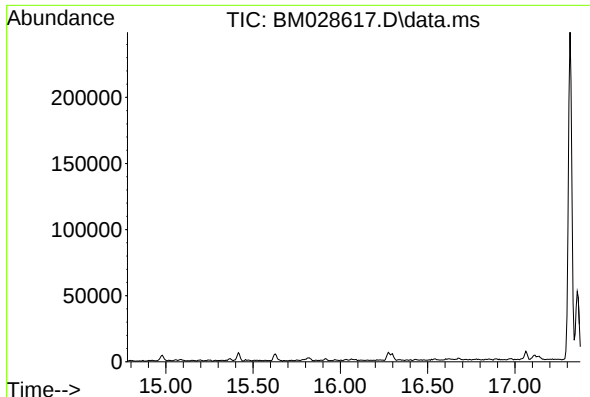
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#39  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 14.580 min Scan# 1937  
Delta R.T. -0.006 min  
Lab File: BM028617.D  
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Tgt Ion:164 Resp: 71440  
Ion Ratio Lower Upper  
164 100  
162 103.6 80.4 120.6  
160 44.5 35.9 53.9





#42  
2,4,6-Tribromophenol  
Concen: 0.00 ng  
Expected RT: 16.07 min

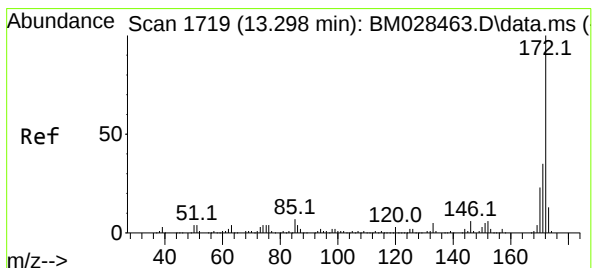
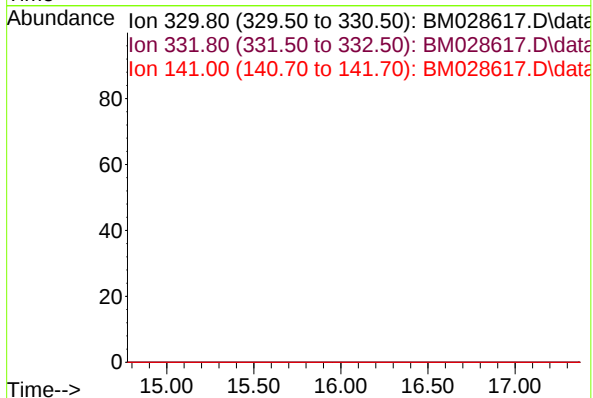
Lab File: BM028617.D  
Acq: 29 Jan 2021 21:53

Tgt Ion: 330  
Sig Exp Ratio  
330 100  
332 97.3  
141 35.5

Instrument :  
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ClientSampleId :  
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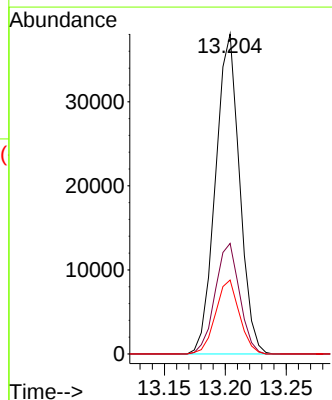
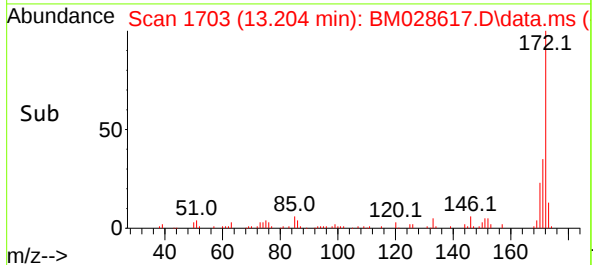
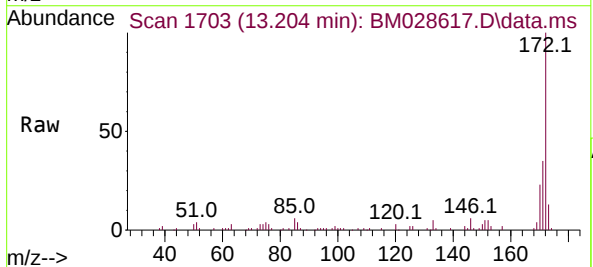
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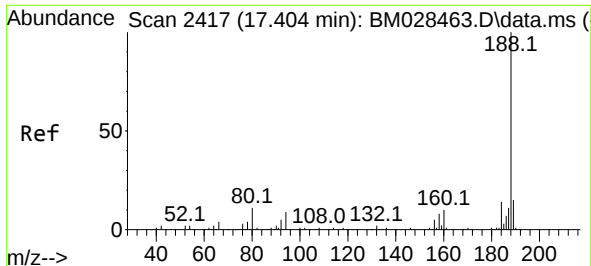
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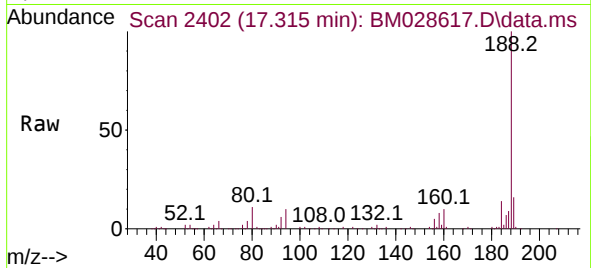
#45  
2-Fluorobiphenyl  
Concen: 9.19 ng  
RT: 13.204 min Scan# 1703  
Delta R.T. -0.006 min  
Lab File: BM028617.D  
Acq: 29 Jan 2021 21:53

Tgt Ion: 172 Resp: 52313  
Ion Ratio Lower Upper  
172 100  
171 34.6 27.8 41.8  
170 23.1 18.6 27.8

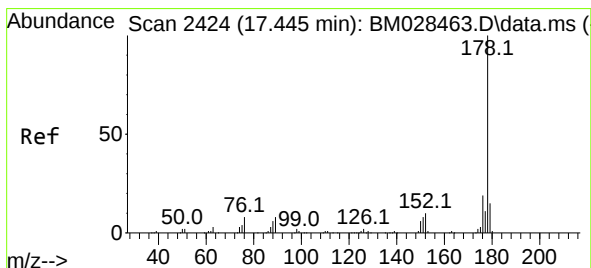
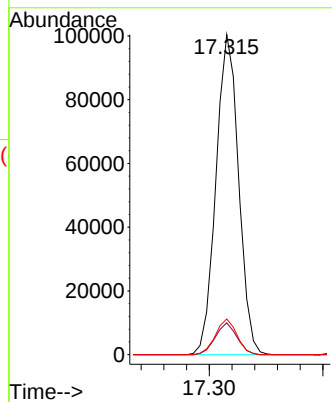
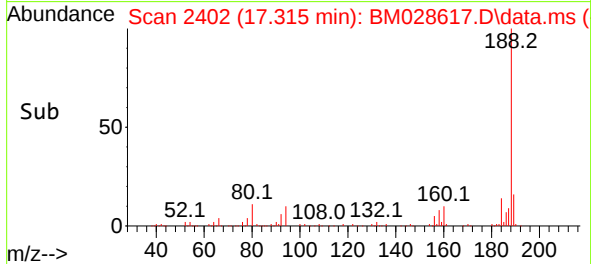




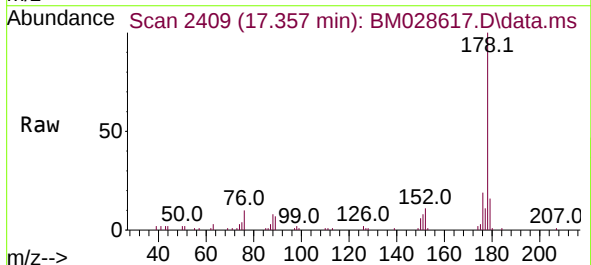
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Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.315 min Scan# 2402  
Delta R.T. -0.006 min  
Lab File: BM028617.D  
Acq: 29 Jan 2021 21:53



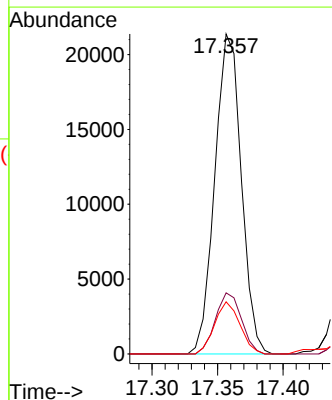
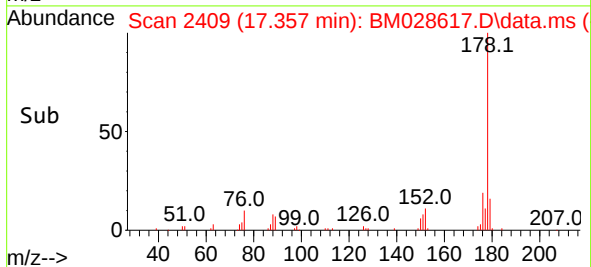
Tgt Ion:188 Resp: 138960  
Ion Ratio Lower Upper  
188 100  
94 9.9 6.2 9.4#  
80 11.2 7.5 11.3



#71  
Phenanthrene  
Concen: 3.51 ng  
RT: 17.357 min Scan# 2409  
Delta R.T. -0.006 min  
Lab File: BM028617.D  
Acq: 29 Jan 2021 21:53



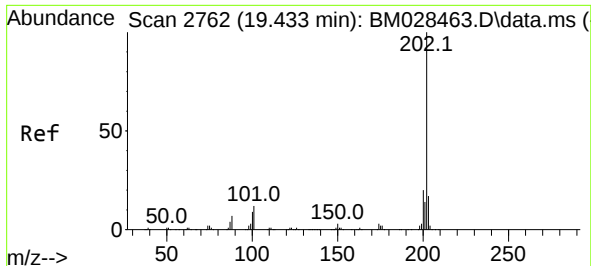
Tgt Ion:178 Resp: 29962  
Ion Ratio Lower Upper  
178 100  
176 19.1 15.0 22.6  
179 16.3 12.2 18.4



Instrument :  
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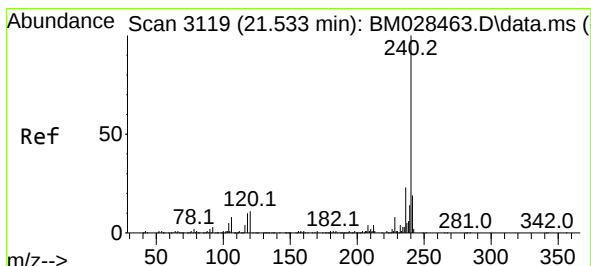
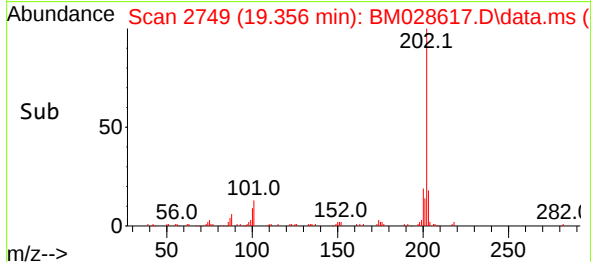
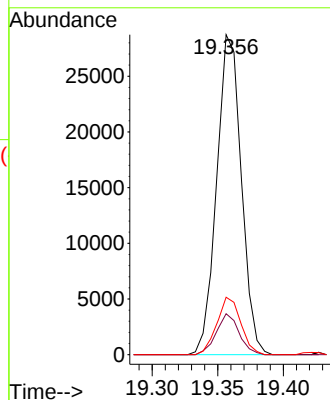
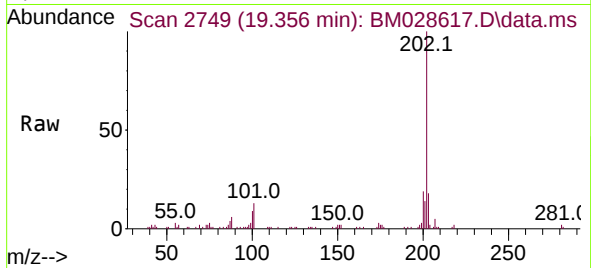
#75  
Fluoranthene  
Concen: 3.91 ng  
RT: 19.356 min Scan# 2749  
Delta R.T. -0.012 min  
Lab File: BM028617.D  
Acq: 29 Jan 2021 21:53

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 202   | Resp: | 37507 |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 101       | 12.8  | 0.0   | 28.5  |
| 203       | 17.9  | 0.0   | 37.3  |

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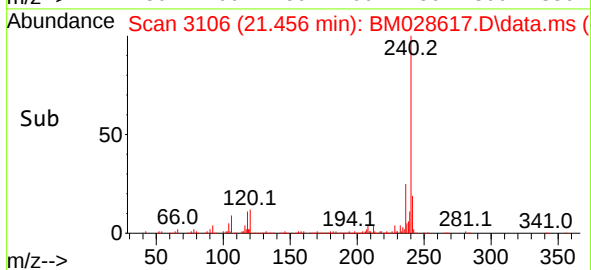
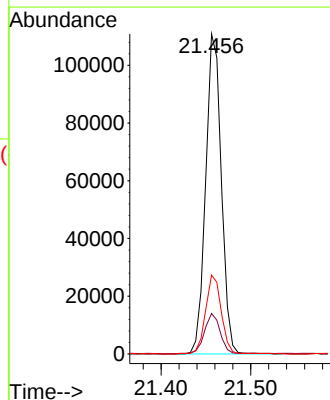
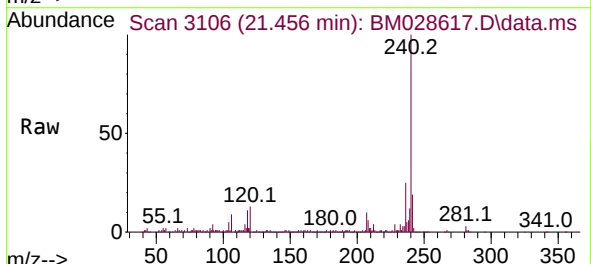
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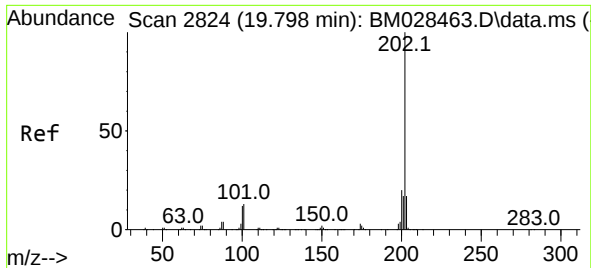
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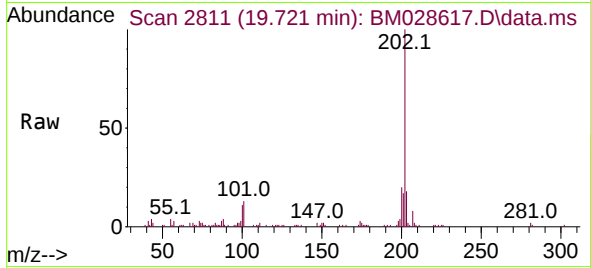
#76  
Chrysene-d12  
Concen: 20.00 ng  
RT: 21.456 min Scan# 3106  
Delta R.T. -0.012 min  
Lab File: BM028617.D  
Acq: 29 Jan 2021 21:53

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 240   | Resp: | 134209 |
| Ion Ratio | Lower | Upper |        |
| 240       | 100   |       |        |
| 120       | 12.6  | 6.4   | 9.6#   |
| 236       | 24.7  | 20.1  | 30.1   |

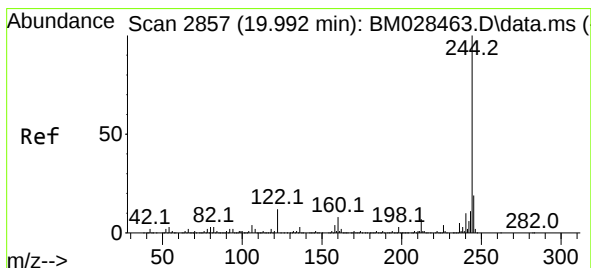
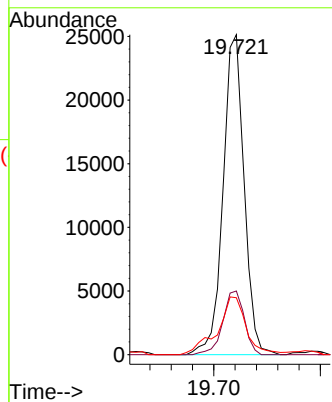
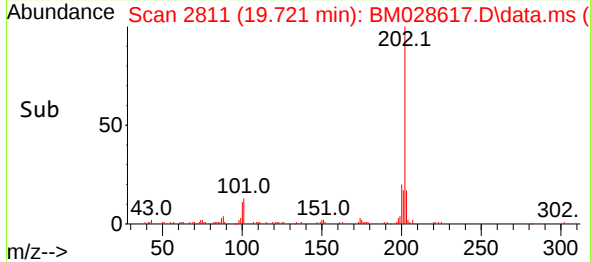




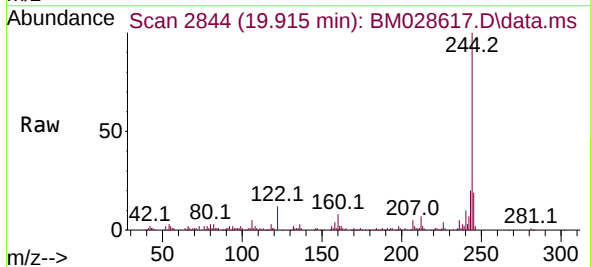
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Pyrene  
Concen: 3.58 ng  
RT: 19.721 min Scan# 2811  
Delta R.T. -0.006 min  
Lab File: BM028617.D  
Acq: 29 Jan 2021 21:53



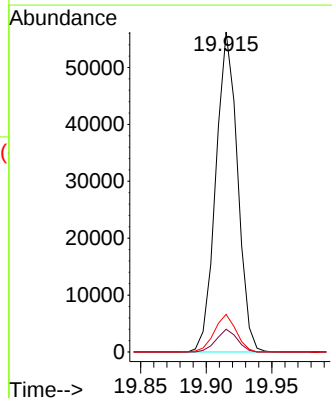
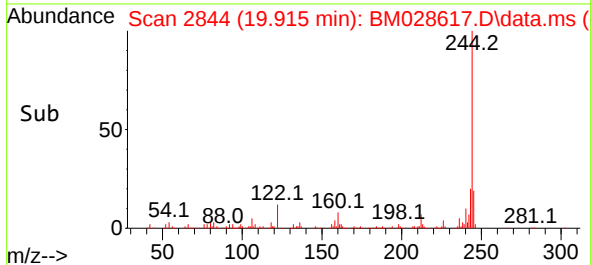
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Ion Ratio Lower Upper  
202 100  
200 19.9 16.6 24.8  
203 17.8 13.8 20.6



#79  
Terphenyl-d14  
Concen: 8.71 ng  
RT: 19.915 min Scan# 2844  
Delta R.T. -0.006 min  
Lab File: BM028617.D  
Acq: 29 Jan 2021 21:53



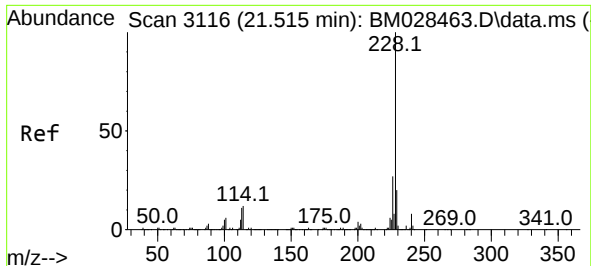
Tgt Ion:244 Resp: 64729  
Ion Ratio Lower Upper  
244 100  
212 7.1 5.8 8.8  
122 11.7 6.5 9.7#



Instrument :  
BNA\_M  
ClientSampleId :  
FACILITY-1RE

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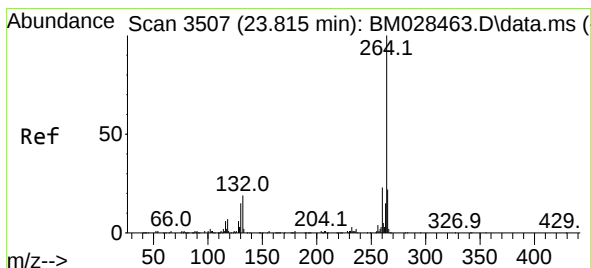
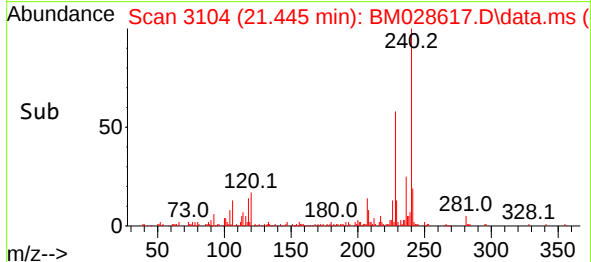
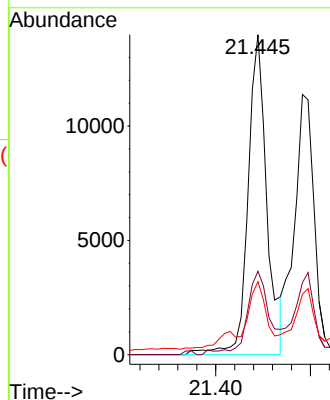
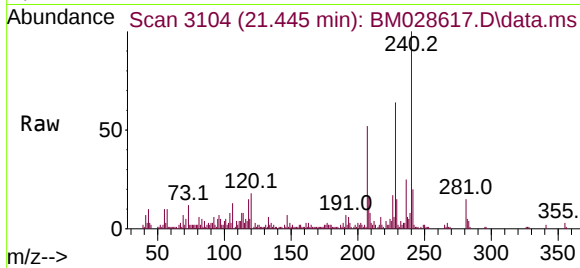
#81  
Benzo(a)anthracene  
Concen: 2.08 ng  
RT: 21.445 min Scan# 3104  
Delta R.T. -0.006 min  
Lab File: BM028617.D  
Acq: 29 Jan 2021 21:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 26.1  | 21.1  | 31.7  |
| 229     | 22.8  | 15.7  | 23.5  |

Instrument :  
BNA\_M  
ClientSampleId :  
FACILITY-1RE

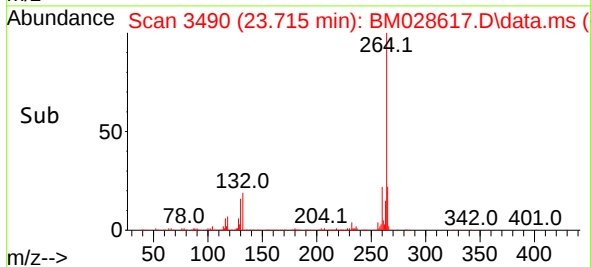
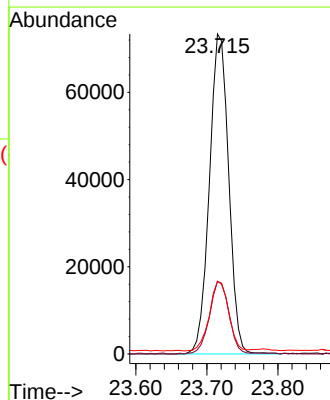
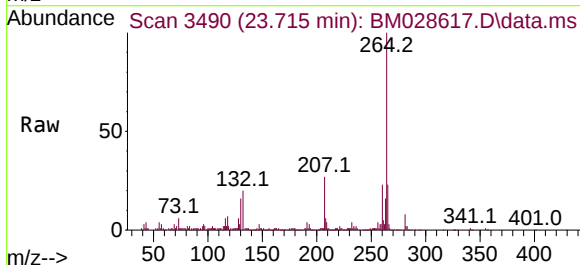
Manual Integrations  
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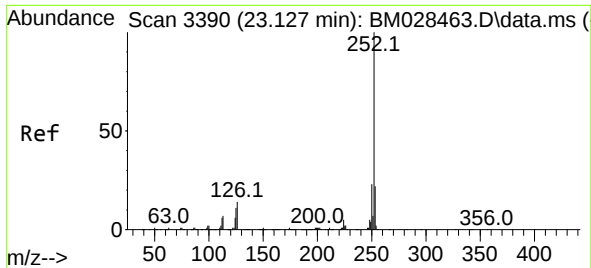
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#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 23.715 min Scan# 3490  
Delta R.T. -0.012 min  
Lab File: BM028617.D  
Acq: 29 Jan 2021 21:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 22.7  | 19.0  | 28.4  |
| 265     | 22.7  | 17.7  | 26.5  |





#88  
Benzo(b)fluoranthene  
Concen: 2.13 ng m  
RT: 23.039 min Scan# 3375  
Delta R.T. -0.012 min  
Lab File: BM028617.D  
Acq: 29 Jan 2021 21:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 28.2  | 17.4  | 26.0# |
| 125     | 18.3  | 5.7   | 8.5#  |

Instrument :  
BNA\_M  
ClientSampleId :  
FACILITY-1RE

Manual Integrations  
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