

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP081721\  
 Data File : BP006705.D  
 Acq On : 17 Aug 2021 03:44  
 Operator : CG/JU  
 Sample : M3425-11  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 22N

Manual Integrations  
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 8/17/2021 1:25:14 PM

Quant Time: Aug 17 04:26:49 2021  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP080321.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Aug 16 18:17:59 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.704  | 152  | 185827   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.487 | 136  | 792468   | 20.000  | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 14.345 | 164  | 439833   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.098 | 188  | 887325   | 20.000  | ng    | # 0.00   |
| 76) Chrysene-d12              | 21.204 | 240  | 844658   | 20.000  | ng    | # 0.00   |
| 86) Perylene-d12              | 23.515 | 264  | 893690   | 20.000  | ng    | -0.01    |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.305  | 112  | 1488865  | 123.061 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.893  | 99   | 1943493  | 113.084 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 8.863  | 82   | 1332155  | 77.592  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 15.839 | 330  | 571930   | 124.421 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 12.969 | 172  | 2332078  | 79.328  | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.686 | 244  | 3394297  | 80.523  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 71) Phenanthrene              | 17.145 | 178  | 470345   | 9.397   | ng    | 100      |
| 72) Anthracene                | 17.233 | 178  | 100694   | 2.082   | ng    | 98       |
| 75) Fluoranthene              | 19.122 | 202  | 624883   | 11.124  | ng    | 94       |
| 78) Pyrene                    | 19.474 | 202  | 554717   | 9.832   | ng    | 99       |
| 81) Benzo(a)anthracene        | 21.192 | 228  | 278039   | 5.037   | ng    | 97       |
| 83) Chrysene                  | 21.239 | 228  | 250184m  | 4.675   | ng    |          |
| 84) Bis(2-ethylhexyl)phtha... | 21.133 | 149  | 162332   | 4.354   | ng    | # 95     |
| 87) Indeno(1,2,3-cd)pyrene    | 25.892 | 276  | 137243   | 2.118   | ng    | # 92     |
| 88) Benzo(b)fluoranthene      | 22.815 | 252  | 294006   | 5.062   | ng    | # 93     |
| 90) Benzo(a)pyrene            | 23.415 | 252  | 228871   | 4.393   | ng    | # 94     |
| 92) Benzo(g,h,i)perylene      | 26.627 | 276  | 124337   | 2.316   | ng    | # 90     |
| -----                         |        |      |          |         |       |          |

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

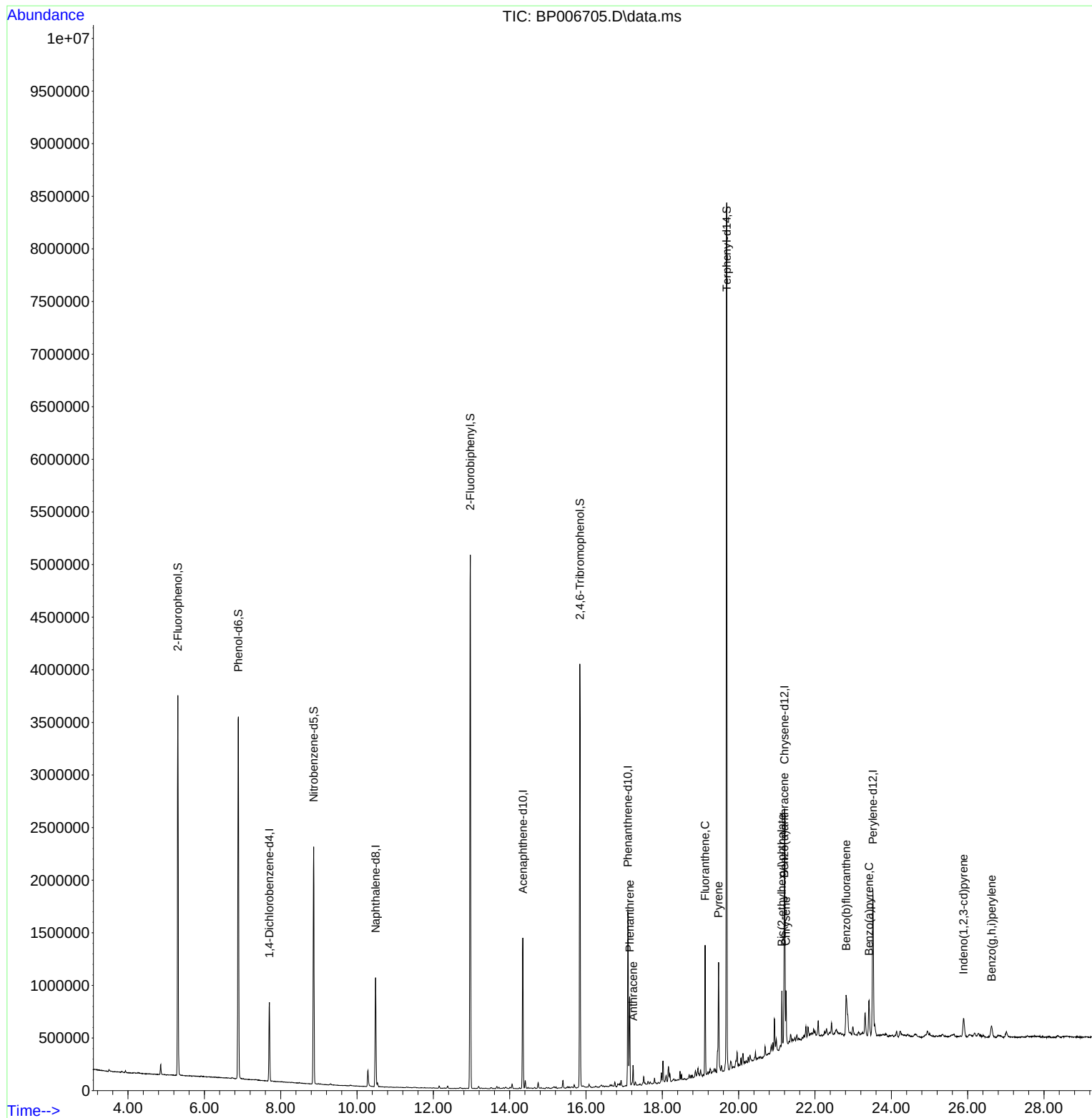
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP081721\  
Data File : BP006705.D  
Acq On : 17 Aug 2021 03:44  
Operator : CG/JU  
Sample : M3425-11  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

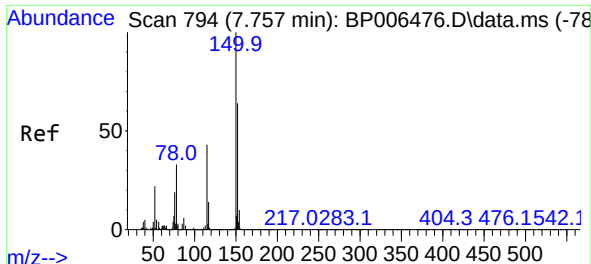
Instrument :  
BNA\_P  
ClientSampleId :  
22N

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Quant Time: Aug 17 04:26:49 2021  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP080321.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Aug 16 18:17:59 2021  
Response via : Initial Calibration





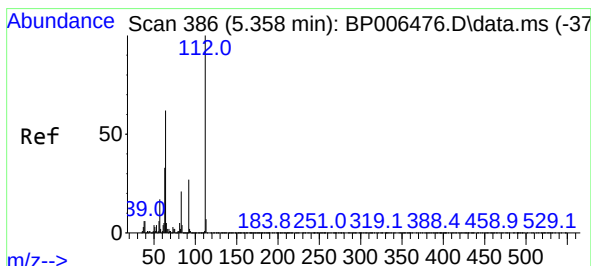
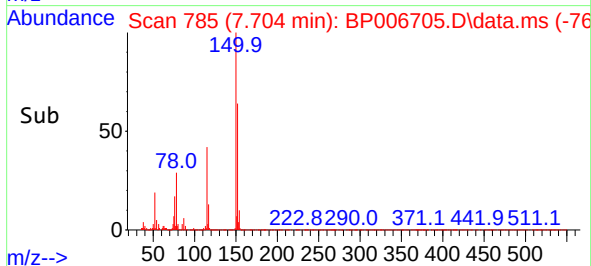
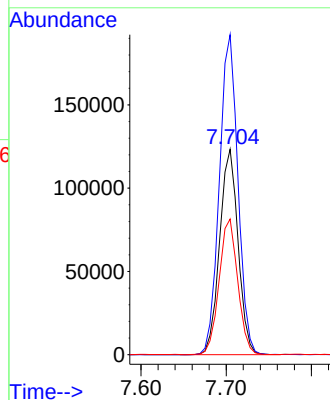
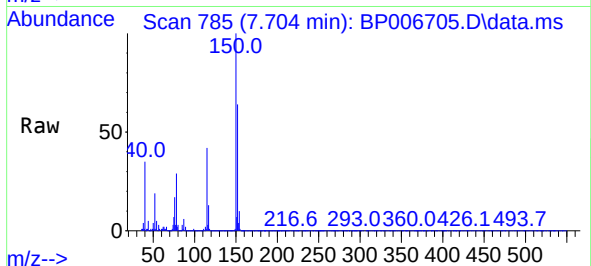
#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.704 min Scan# 785  
Delta R.T. -0.001 min  
Lab File: BP006705.D  
Acq: 17 Aug 2021 03:44

Tgt Ion:152 Resp: 185827  
Ion Ratio Lower Upper  
152 100  
150 155.8 125.6 188.4  
115 66.0 48.5 72.7

Instrument :  
BNA\_P  
ClientSampled :  
22N

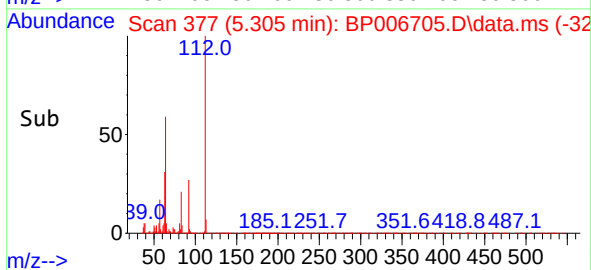
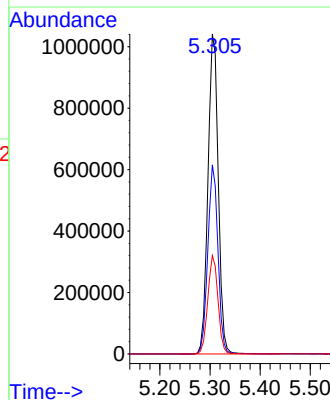
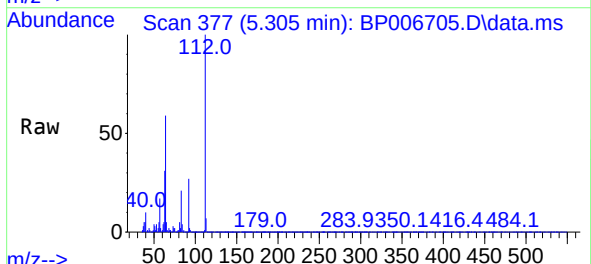
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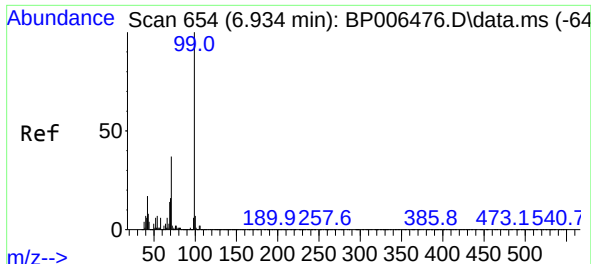
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#5  
2-Fluorophenol  
Concen: 123.061 ng  
RT: 5.305 min Scan# 377  
Delta R.T. -0.000 min  
Lab File: BP006705.D  
Acq: 17 Aug 2021 03:44

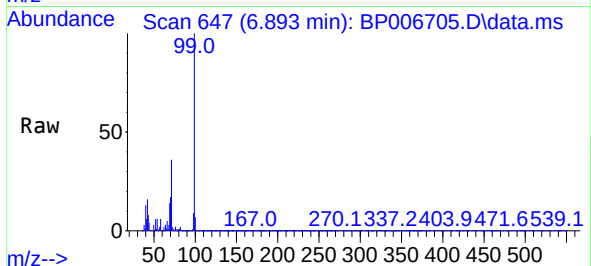
Tgt Ion:112 Resp: 1488865  
Ion Ratio Lower Upper  
112 100  
64 59.1 41.4 62.2  
63 30.8 23.8 35.8





#7  
Phenol-d6  
Concen: 113.084 ng  
RT: 6.893 min Scan# 647  
Delta R.T. 0.006 min  
Lab File: BP006705.D  
Acq: 17 Aug 2021 03:44

Instrument :  
BNA\_P  
ClientSampled :  
22N

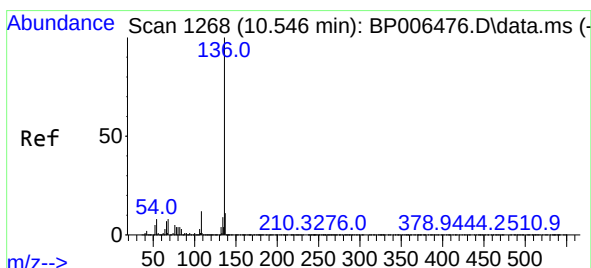
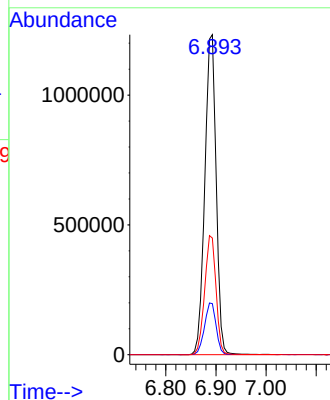
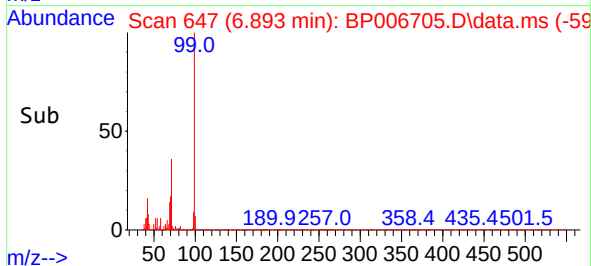


Tgt Ion: 99 Resp: 1943493

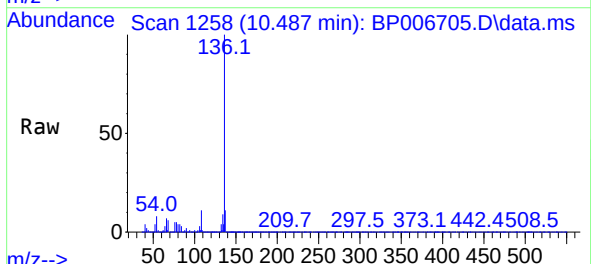
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 16.0  | 13.4  | 20.0  |
| 71  | 36.5  | 30.6  | 46.0  |

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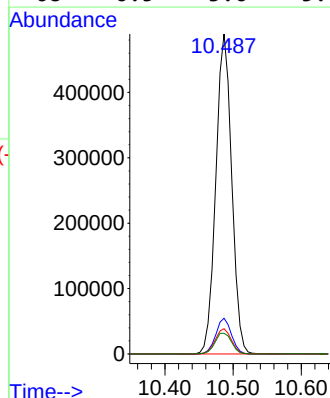
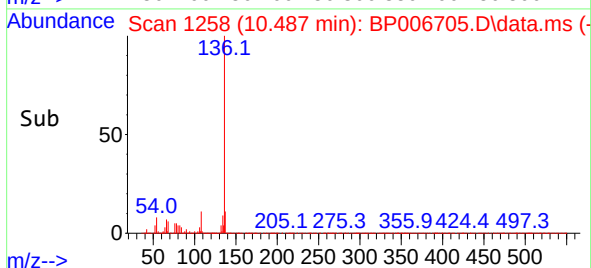


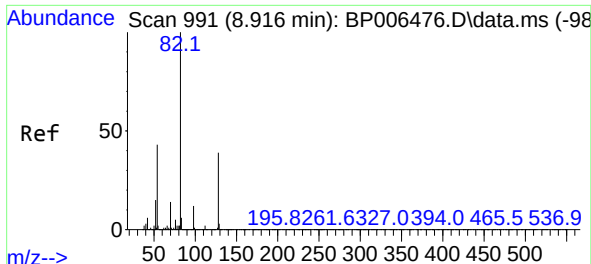
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.487 min Scan# 1258  
Delta R.T. -0.006 min  
Lab File: BP006705.D  
Acq: 17 Aug 2021 03:44



Tgt Ion: 136 Resp: 792468

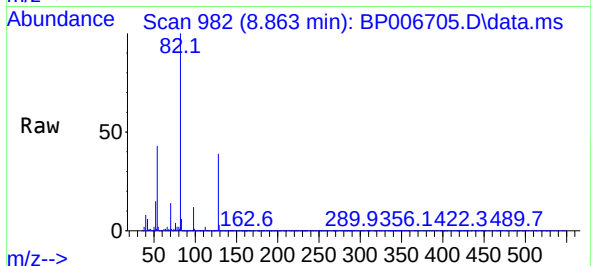
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 11.1  | 8.6   | 12.8  |
| 54  | 7.9   | 4.6   | 6.8#  |
| 68  | 6.5   | 3.6   | 5.4#  |





#23  
Nitrobenzene-d5  
Concen: 77.592 ng  
RT: 8.863 min Scan# 982  
Delta R.T. -0.000 min  
Lab File: BP006705.D  
Acq: 17 Aug 2021 03:44

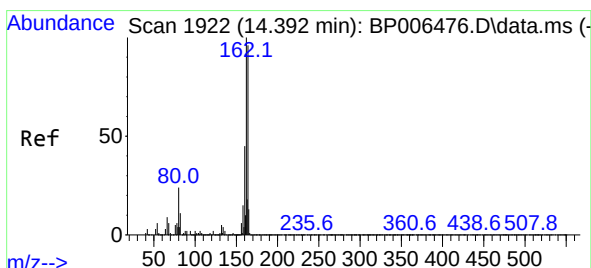
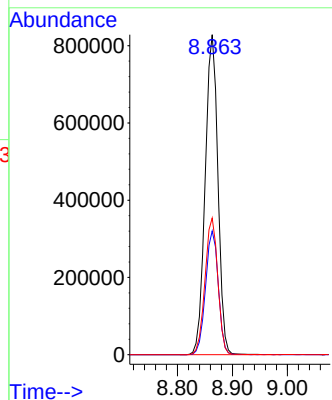
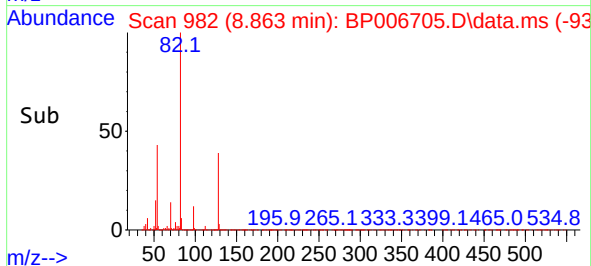
Instrument :  
BNA\_P  
ClientSampled :  
22N



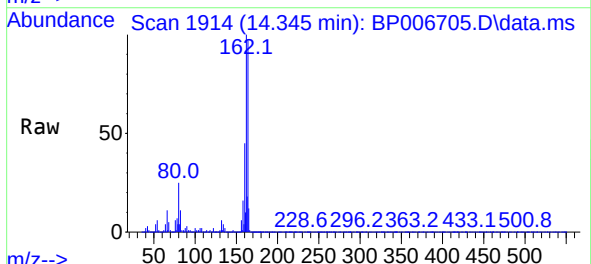
Tgt Ion: 82 Resp: 1332155  
Ion Ratio Lower Upper  
82 100  
128 38.6 35.7 53.5  
54 42.7 35.0 52.4

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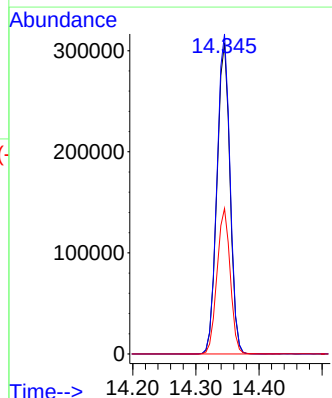
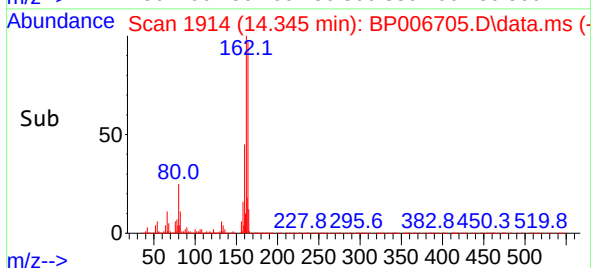
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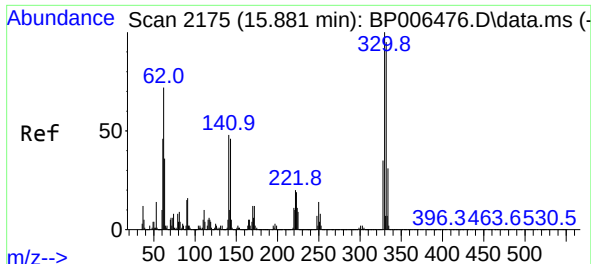


#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.345 min Scan# 1914  
Delta R.T. -0.000 min  
Lab File: BP006705.D  
Acq: 17 Aug 2021 03:44



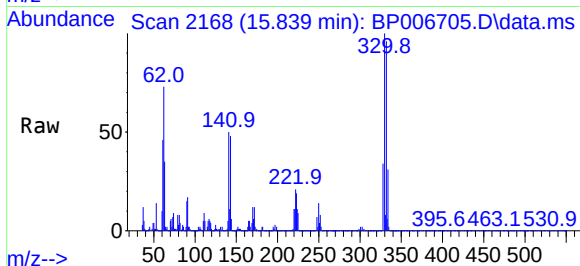
Tgt Ion: 164 Resp: 439833  
Ion Ratio Lower Upper  
164 100  
162 102.8 80.2 120.2  
160 46.7 34.5 51.7





#42  
2,4,6-Tribromophenol  
Concen: 124.421 ng  
RT: 15.839 min Scan# 2168  
Delta R.T. -0.006 min  
Lab File: BP006705.D  
Acq: 17 Aug 2021 03:44

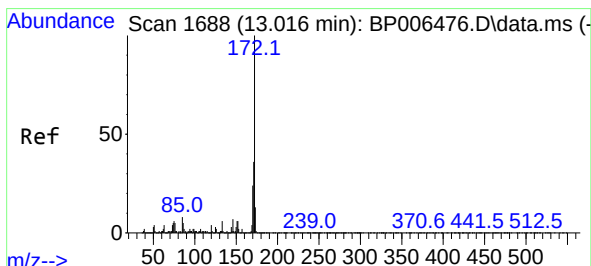
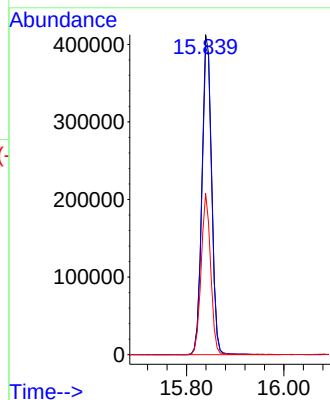
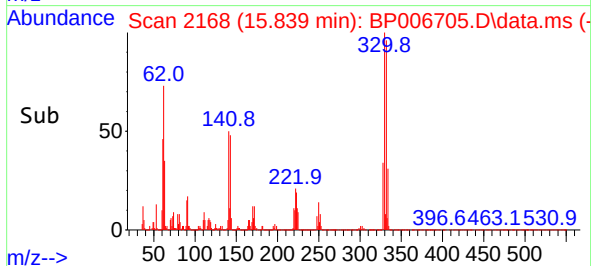
Instrument :  
BNA\_P  
ClientSampled :  
22N



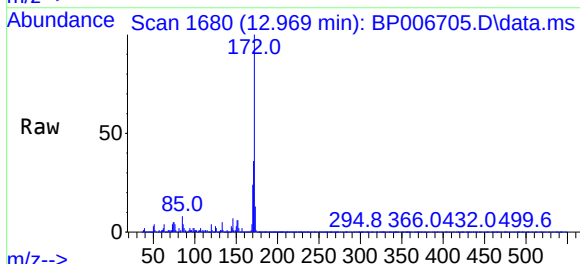
Tgt Ion:330 Resp: 571930  
Ion Ratio Lower Upper  
330 100  
332 96.8 77.8 116.8  
141 49.4 25.4 38.2#

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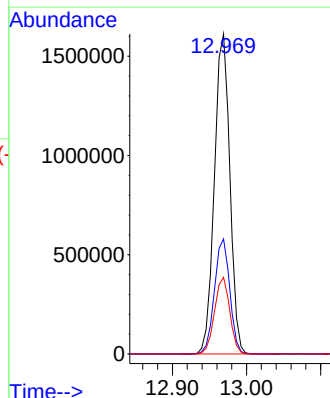
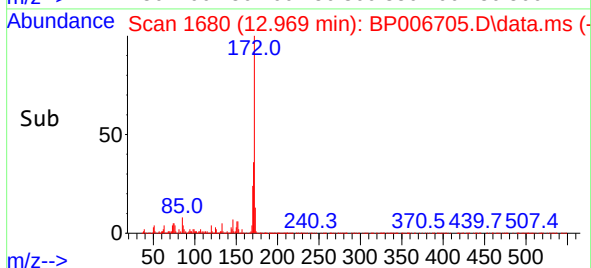
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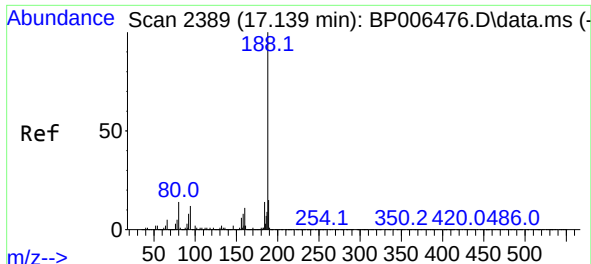


#45  
2-Fluorobiphenyl  
Concen: 79.328 ng  
RT: 12.969 min Scan# 1680  
Delta R.T. -0.000 min  
Lab File: BP006705.D  
Acq: 17 Aug 2021 03:44



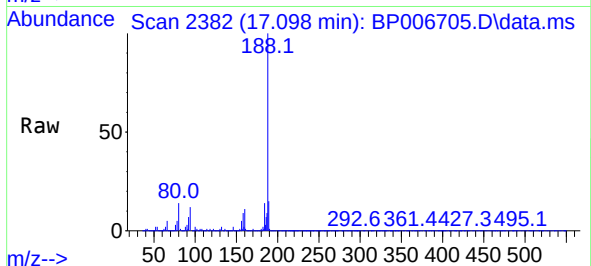
Tgt Ion:172 Resp: 2332078  
Ion Ratio Lower Upper  
172 100  
171 35.9 27.9 41.9  
170 24.0 18.6 27.8





#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.098 min Scan# 2382  
Delta R.T. -0.006 min  
Lab File: BP006705.D  
Acq: 17 Aug 2021 03:44

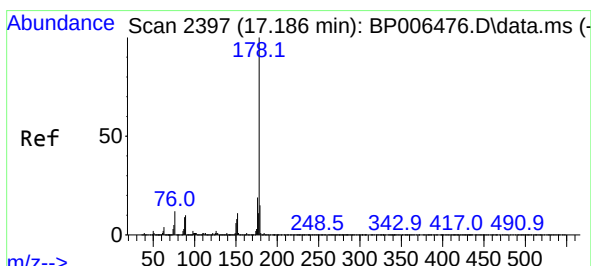
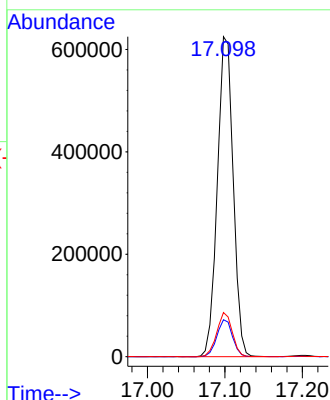
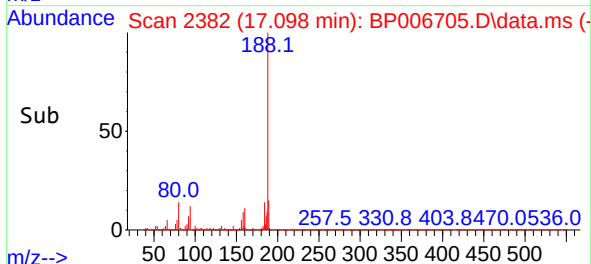
Instrument :  
BNA\_P  
ClientSampled :  
22N



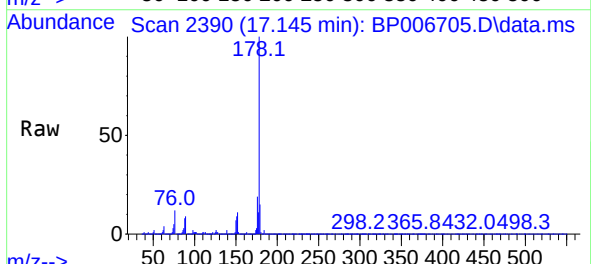
Tgt Ion:188 Resp: 887325  
Ion Ratio Lower Upper  
188 100  
94 11.5 5.6 8.4#  
80 13.8 6.3 9.5#

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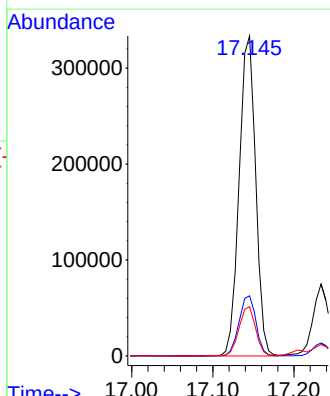
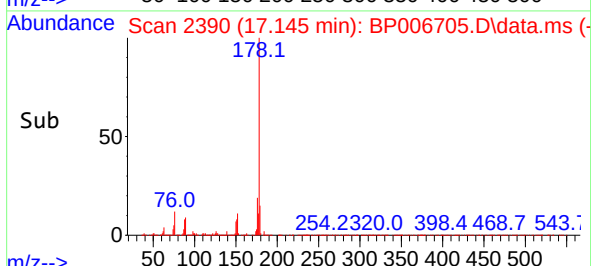
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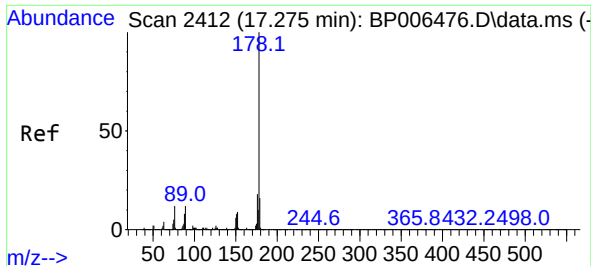


#71  
Phenanthrene  
Concen: 9.397 ng  
RT: 17.145 min Scan# 2390  
Delta R.T. -0.000 min  
Lab File: BP006705.D  
Acq: 17 Aug 2021 03:44



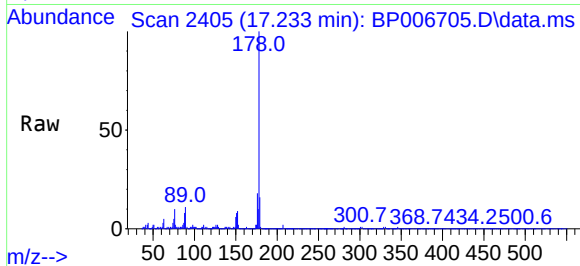
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Ion Ratio Lower Upper  
178 100  
176 18.8 15.1 22.7  
179 15.4 12.4 18.6





#72  
 Anthracene  
 Concen: 2.082 ng  
 RT: 17.233 min Scan# 2405  
 Delta R.T. -0.006 min  
 Lab File: BP006705.D  
 Acq: 17 Aug 2021 03:44

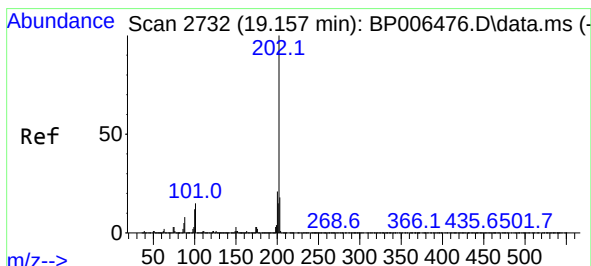
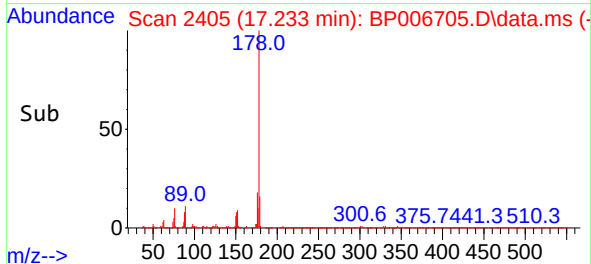
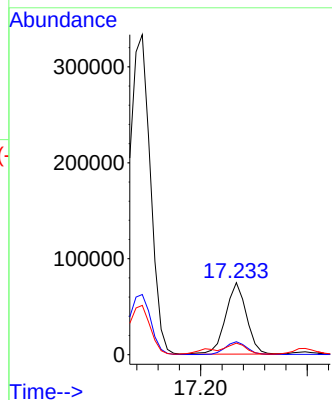
Instrument :  
 BNA\_P  
 ClientSampleId :  
 22N



Tgt Ion:178 Resp: 100694  
 Ion Ratio Lower Upper  
 178 100  
 176 18.0 14.9 22.3  
 179 16.0 12.2 18.2

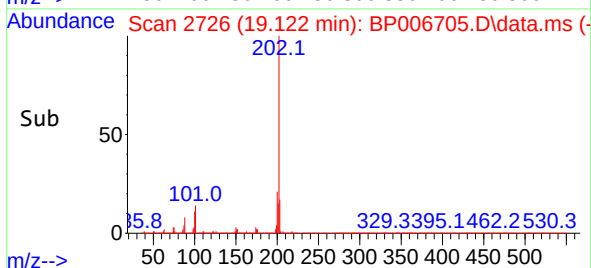
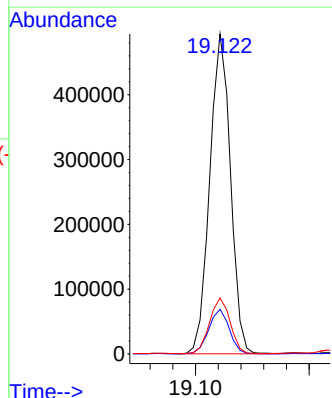
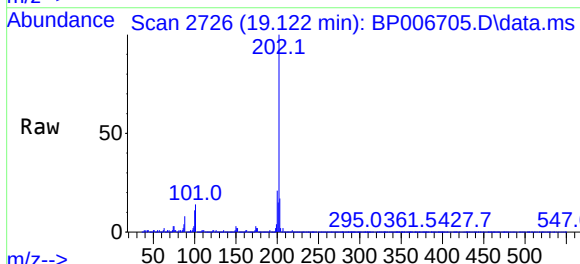
Manual Integrations  
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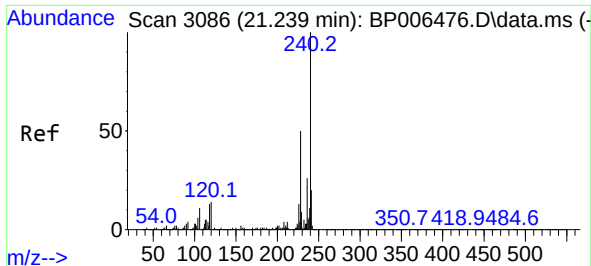


#75  
 Fluoranthene  
 Concen: 11.124 ng  
 RT: 19.122 min Scan# 2726  
 Delta R.T. -0.006 min  
 Lab File: BP006705.D  
 Acq: 17 Aug 2021 03:44

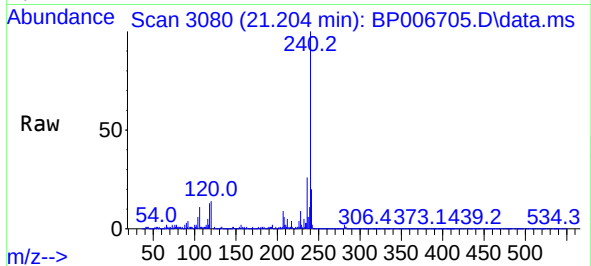
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 202 100  
 101 14.0 0.0 27.6  
 203 17.5 0.0 37.8



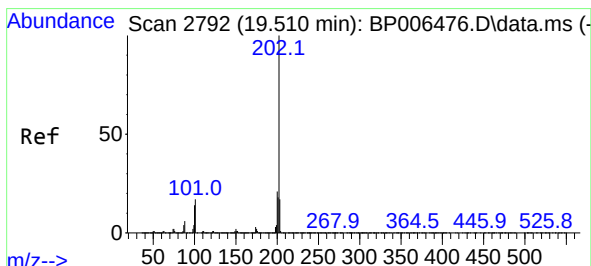
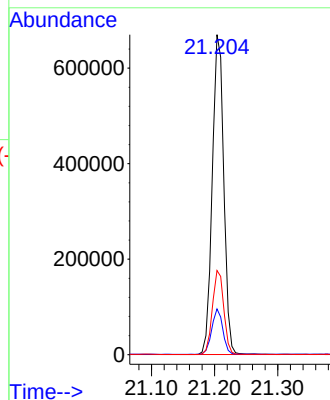
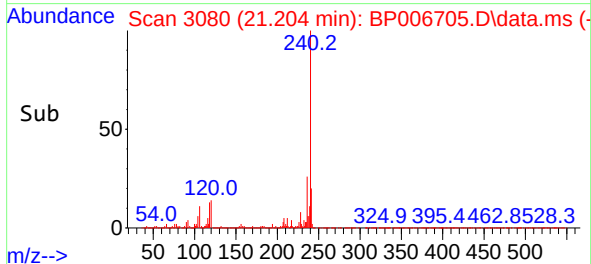




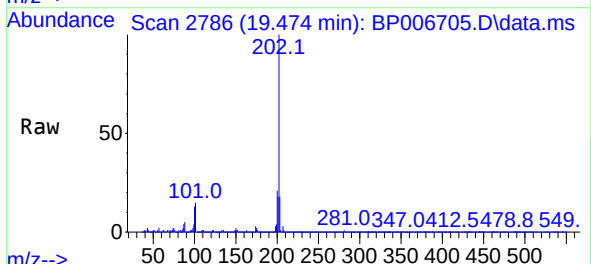
#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.204 min Scan# 3080  
Delta R.T. -0.006 min  
Lab File: BP006705.D  
Acq: 17 Aug 2021 03:44



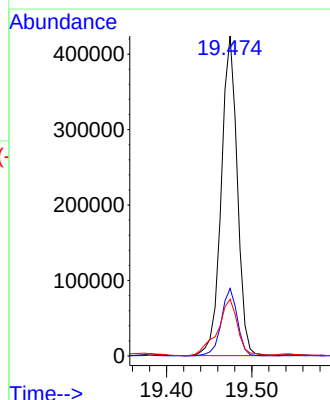
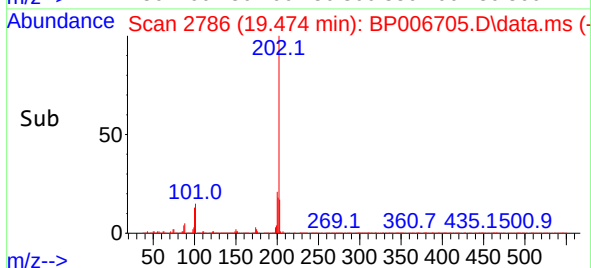
Tgt Ion:240 Resp: 844658  
Ion Ratio Lower Upper  
240 100  
120 14.3 6.5 9.7#  
236 26.3 20.6 31.0



#78  
Pyrene  
Concen: 9.832 ng  
RT: 19.474 min Scan# 2786  
Delta R.T. -0.006 min  
Lab File: BP006705.D  
Acq: 17 Aug 2021 03:44



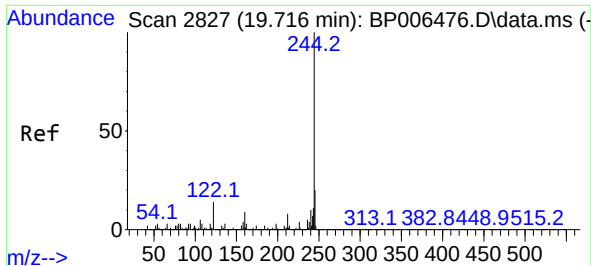
Tgt Ion:202 Resp: 554717  
Ion Ratio Lower Upper  
202 100  
200 21.1 16.3 24.5  
203 17.7 14.2 21.2



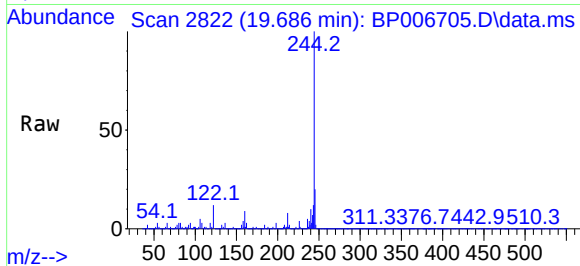
Instrument :  
BNA\_P  
ClientSampled :  
22N

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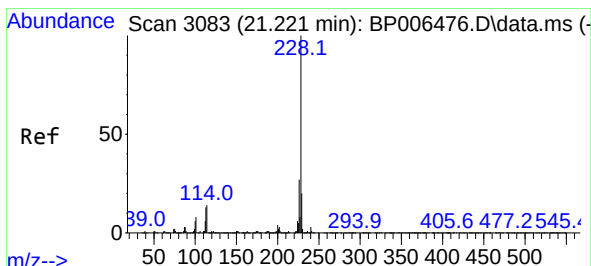
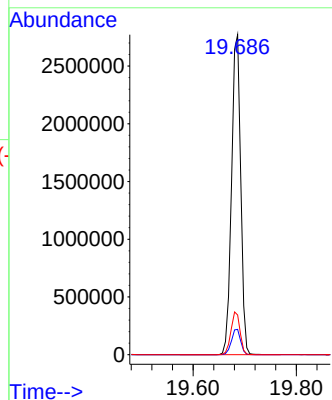
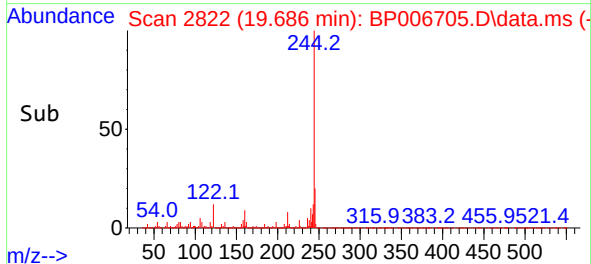
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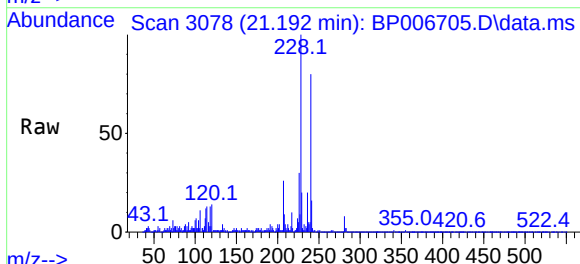
#79  
Terphenyl-d14  
Concen: 80.523 ng  
RT: 19.686 min Scan# 2822  
Delta R.T. -0.000 min  
Lab File: BP006705.D  
Acq: 17 Aug 2021 03:44



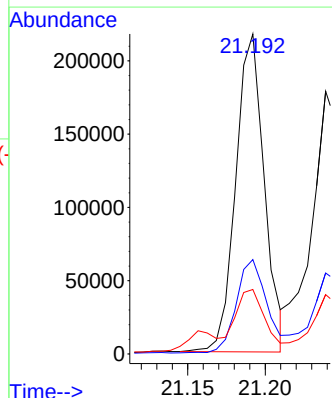
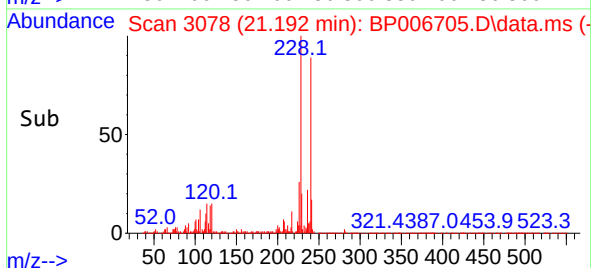
Tgt Ion:244 Resp: 3394297  
Ion Ratio Lower Upper  
244 100  
212 7.9 6.0 9.0  
122 12.4 7.1 10.7#



#81  
Benzo(a)anthracene  
Concen: 5.037 ng  
RT: 21.192 min Scan# 3078  
Delta R.T. -0.006 min  
Lab File: BP006705.D  
Acq: 17 Aug 2021 03:44



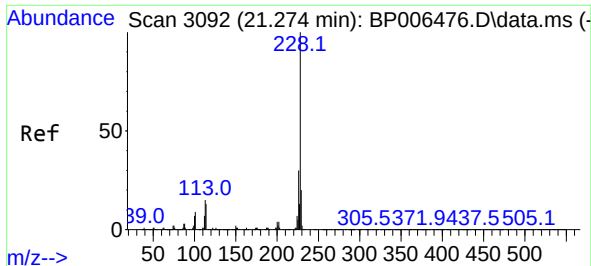
Tgt Ion:228 Resp: 278039  
Ion Ratio Lower Upper  
228 100  
226 29.5 21.6 32.4  
229 20.2 15.8 23.6



Instrument :  
BNA\_P  
ClientSampled :  
22N

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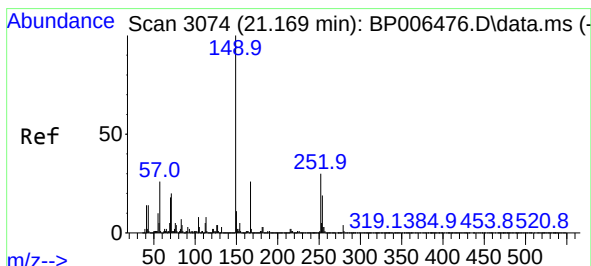
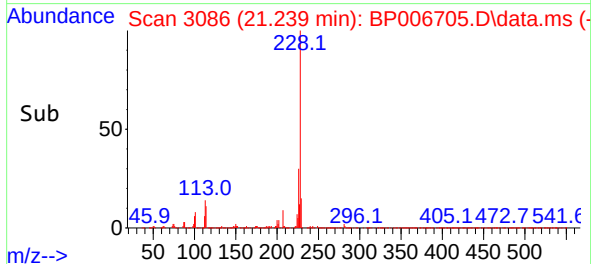
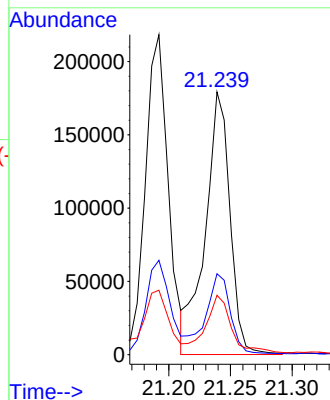
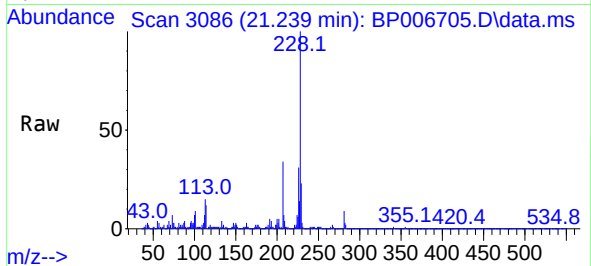
#83  
Chrysene  
Concen: 4.675 ng m  
RT: 21.239 min Scan# 3086  
Delta R.T. -0.012 min  
Lab File: BP006705.D  
Acq: 17 Aug 2021 03:44

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 228   | Resp: | 250184 |
| Ion      | Ratio | Lower | Upper  |
| 228      | 100   |       |        |
| 226      | 30.8  | 23.8  | 35.6   |
| 229      | 22.6  | 15.4  | 23.2   |

Instrument :  
BNA\_P  
ClientSampled :  
22N

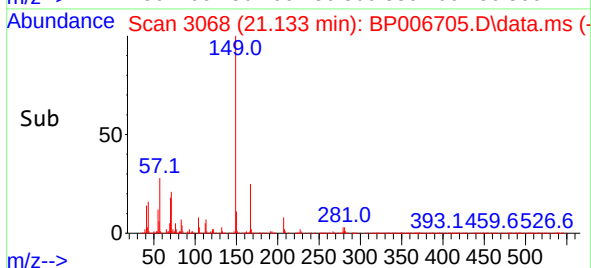
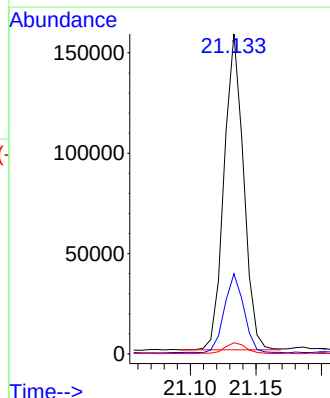
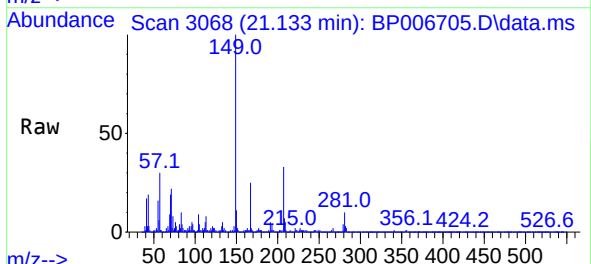
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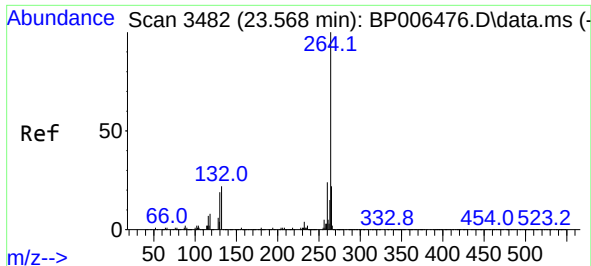
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#84  
Bis(2-ethylhexyl)phthalate  
Concen: 4.354 ng  
RT: 21.133 min Scan# 3068  
Delta R.T. -0.006 min  
Lab File: BP006705.D  
Acq: 17 Aug 2021 03:44

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 149   | Resp: | 162332 |
| Ion      | Ratio | Lower | Upper  |
| 149      | 100   |       |        |
| 167      | 25.1  | 21.9  | 32.9   |
| 279      | 3.5   | 4.3   | 6.5    |





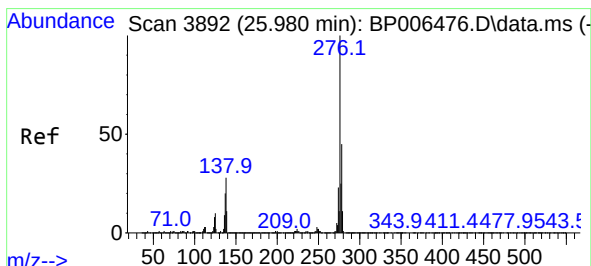
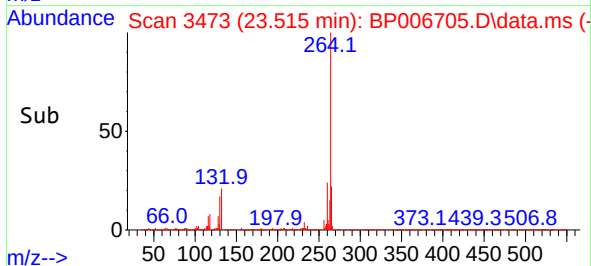
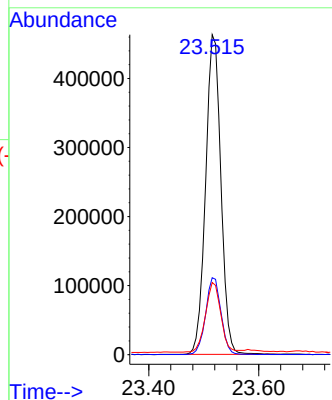
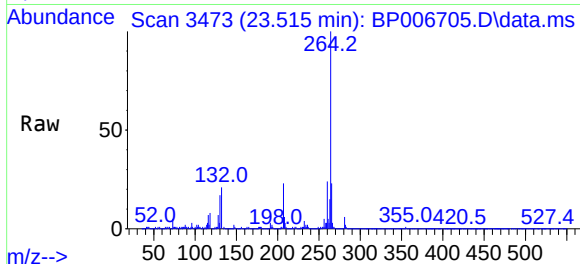
#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 23.515 min Scan# 3473  
Delta R.T. -0.012 min  
Lab File: BP006705.D  
Acq: 17 Aug 2021 03:44

Tgt Ion: 264 Resp: 893690  
Ion Ratio Lower Upper  
264 100  
260 24.0 18.6 28.0  
265 22.5 17.6 26.4

Instrument :  
BNA\_P  
ClientSampled :  
22N

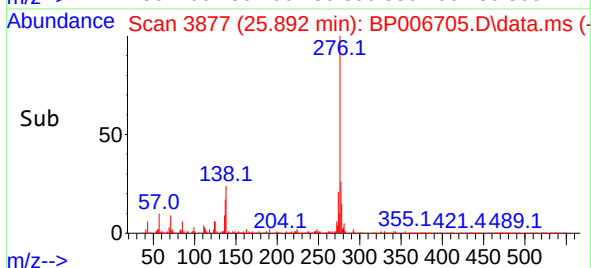
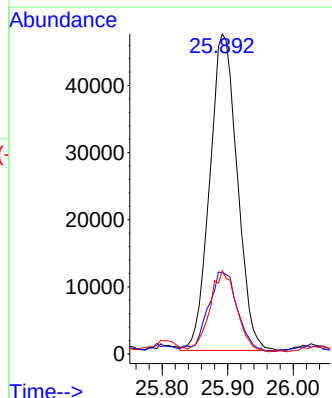
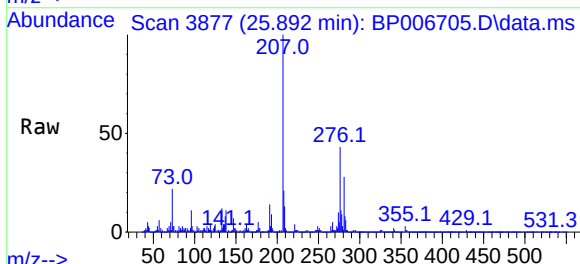
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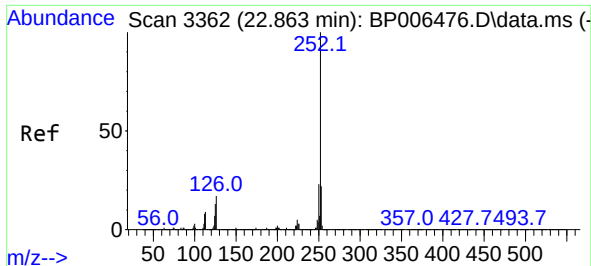
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#87  
Indeno(1,2,3-cd)pyrene  
Concen: 2.118 ng  
RT: 25.892 min Scan# 3877  
Delta R.T. -0.029 min  
Lab File: BP006705.D  
Acq: 17 Aug 2021 03:44

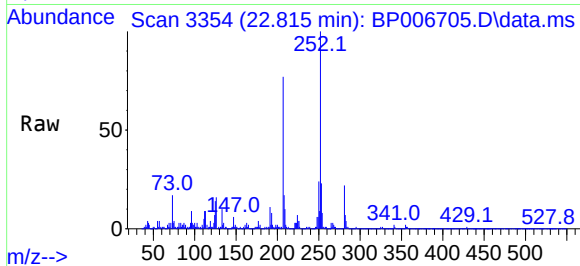
Tgt Ion: 276 Resp: 137243  
Ion Ratio Lower Upper  
276 100  
138 26.9 15.3 22.9#  
277 25.1 20.4 30.6





#88  
Benzo(b)fluoranthene  
Concen: 5.062 ng  
RT: 22.815 min Scan# 3354  
Delta R.T. -0.006 min  
Lab File: BP006705.D  
Acq: 17 Aug 2021 03:44

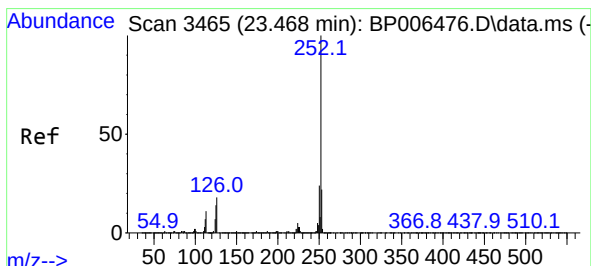
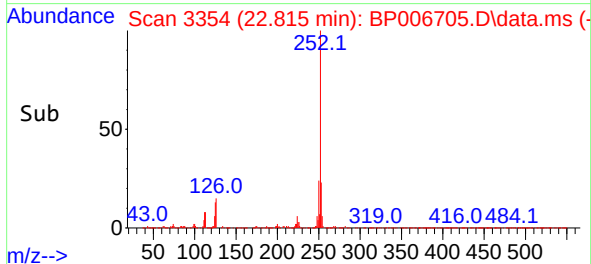
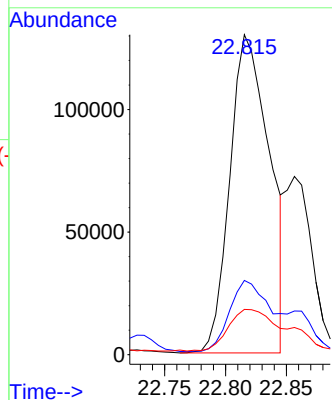
Instrument :  
BNA\_P  
ClientSampled :  
22N



Tgt Ion:252 Resp: 294006  
Ion Ratio Lower Upper  
252 100  
253 23.2 17.5 26.3  
125 14.1 6.2 9.4#

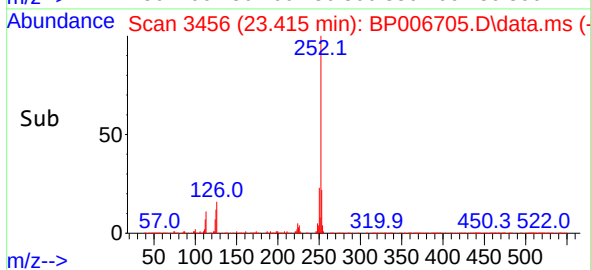
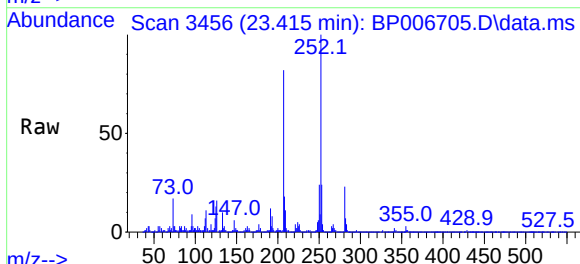
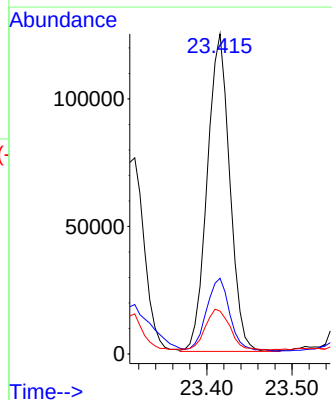
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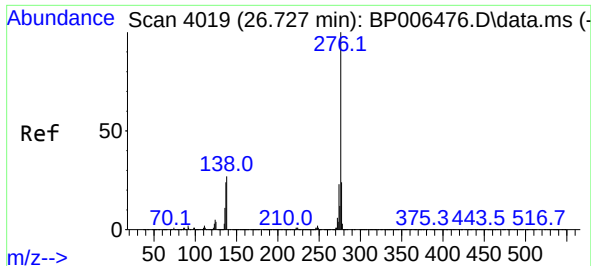
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#90  
Benzo(a)pyrene  
Concen: 4.393 ng  
RT: 23.415 min Scan# 3456  
Delta R.T. -0.006 min  
Lab File: BP006705.D  
Acq: 17 Aug 2021 03:44

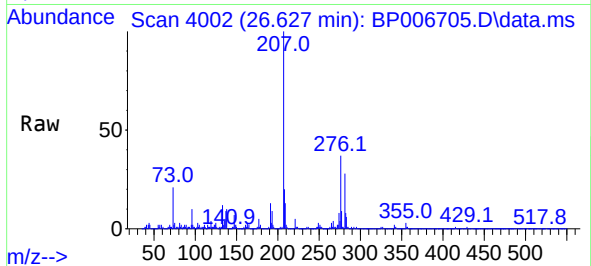
Tgt Ion:252 Resp: 228871  
Ion Ratio Lower Upper  
252 100  
253 23.6 17.9 26.9  
125 13.4 6.5 9.7#





#92  
 Benzo(g,h,i)perylene  
 Concen: 2.316 ng  
 RT: 26.627 min Scan# 4002  
 Delta R.T. -0.029 min  
 Lab File: BP006705.D  
 Acq: 17 Aug 2021 03:44

Instrument :  
 BNA\_P  
 ClientSampleId :  
 22N



|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 276   | Resp: | 124337 |
| Ion Ratio | Lower | Upper |        |
| 276       | 100   |       |        |
| 277       | 23.8  | 18.9  | 28.3   |
| 138       | 25.8  | 12.6  | 18.8#  |

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