

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP060421\  
 Data File : BP005733.D  
 Acq On : 05 Jun 2021 03:21  
 Operator : CG/JU  
 Sample : M2589-17 5X  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 FOUNDATION-EXCAVATION-SAMP

Manual Integrations  
 APPROVED

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 6/7/2021 12:26:00 PM

Quant Time: Jun 05 04:35:59 2021  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP052721.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu May 27 16:11:11 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.987  | 152  | 150504   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.793 | 136  | 577207   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.610 | 164  | 354155   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.357 | 188  | 749295   | 20.000 | ng    | # 0.00   |
| 76) Chrysene-d12              | 21.422 | 240  | 754572   | 20.000 | ng    | # 0.00   |
| 86) Perylene-d12              | 23.874 | 264  | 883084   | 20.000 | ng    | 0.01     |
|                               |        |      |          |        |       |          |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.552  | 112  | 42524    | 4.393  | ng    | 0.00     |
| 7) Phenol-d6                  | 7.152  | 99   | 65717    | 4.980  | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.152  | 82   | 49302    | 4.750  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.098 | 330  | 17889    | 3.939  | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.240 | 172  | 126144   | 4.714  | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.892 | 244  | 199747   | 4.967  | ng    | 0.00     |
|                               |        |      |          |        |       |          |
| Target Compounds              |        |      |          |        |       | Qvalue   |
| 50) Dimethylphthalate         | 14.063 | 163  | 84146    | 2.987  | ng    | 97       |
| 71) Phenanthrene              | 17.398 | 178  | 563794   | 12.078 | ng    | 100      |
| 72) Anthracene                | 17.486 | 178  | 150154   | 3.258  | ng    | 99       |
| 75) Fluoranthene              | 19.357 | 202  | 891864   | 15.916 | ng    | 97       |
| 78) Pyrene                    | 19.704 | 202  | 795477   | 14.940 | ng    | 99       |
| 80) Butylbenzylphthalate      | 20.563 | 149  | 16311    | 4.823  | ng    | 97       |
| 81) Benzo(a)anthracene        | 21.410 | 228  | 432988   | 7.819  | ng    | 97       |
| 83) Chrysene                  | 21.463 | 228  | 405291m  | 7.558  | ng    |          |
| 84) Bis(2-ethylhexyl)phtha... | 21.322 | 149  | 195213   | 6.490  | ng    | 98       |
| 87) Indeno(1,2,3-cd)pyrene    | 26.445 | 276  | 294793   | 3.924  | ng    | # 94     |
| 88) Benzo(b)fluoranthene      | 23.121 | 252  | 573306   | 8.948  | ng    | # 93     |
| 89) Benzo(k)fluoranthene      | 23.163 | 252  | 159801m  | 2.632  | ng    |          |
| 90) Benzo(a)pyrene            | 23.763 | 252  | 408970   | 7.016  | ng    | # 89     |
| 92) Benzo(g,h,i)perylene      | 27.245 | 276  | 280163   | 4.455  | ng    | # 90     |
| -----                         |        |      |          |        |       |          |

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

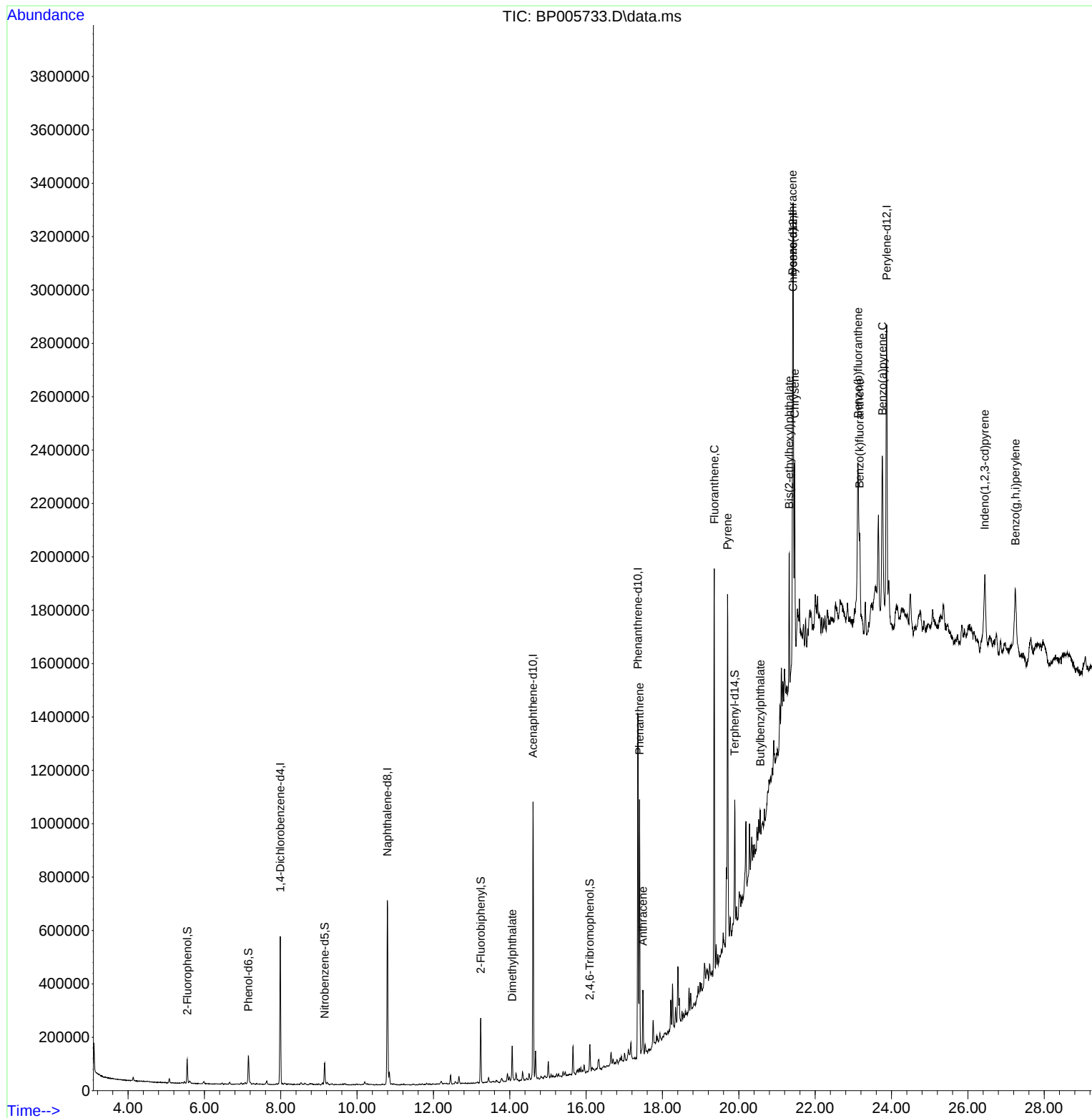
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP060421\  
Data File : BP005733.D  
Acq On : 05 Jun 2021 03:21  
Operator : CG/JU  
Sample : M2589-17 5X  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

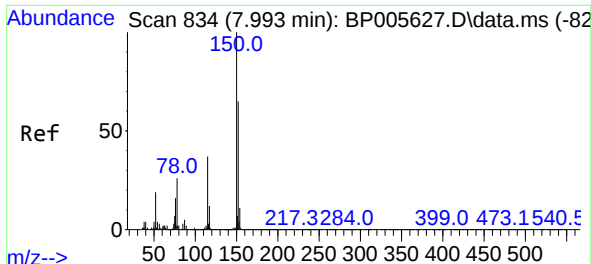
Instrument :  
BNA\_P  
ClientSampleId :  
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Quant Time: Jun 05 04:35:59 2021  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP052721.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu May 27 16:11:11 2021  
Response via : Initial Calibration





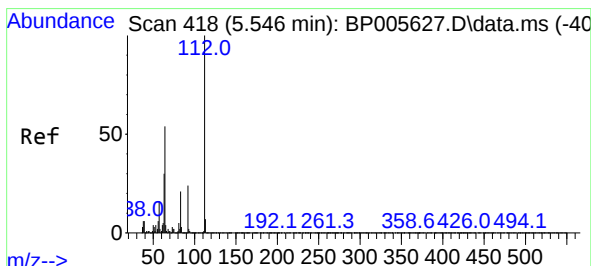
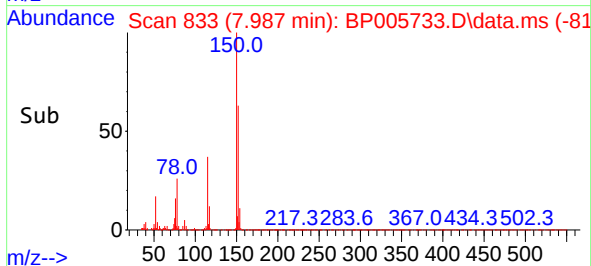
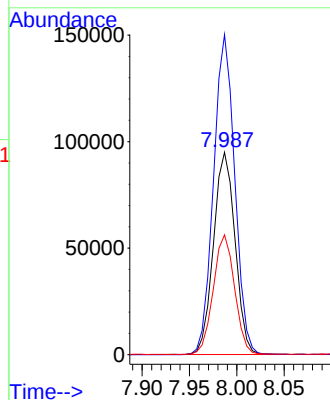
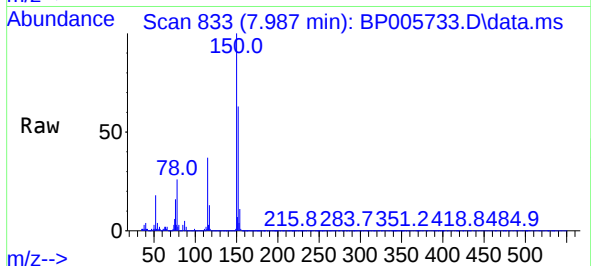
#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.987 min Scan# 833  
Delta R.T. -0.006 min  
Lab File: BP005733.D  
Acq: 05 Jun 2021 03:21

Tgt Ion:152 Resp: 150504  
Ion Ratio Lower Upper  
152 100  
150 158.1 119.8 179.8  
115 59.3 49.0 73.4

Instrument :  
BNA\_P  
ClientSampleId :  
FOUNDATION-EXCAVATION-SAMP

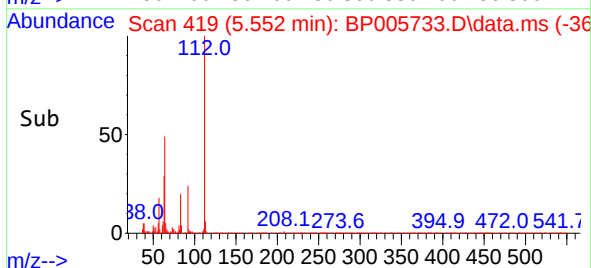
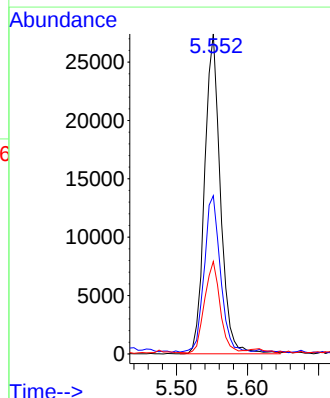
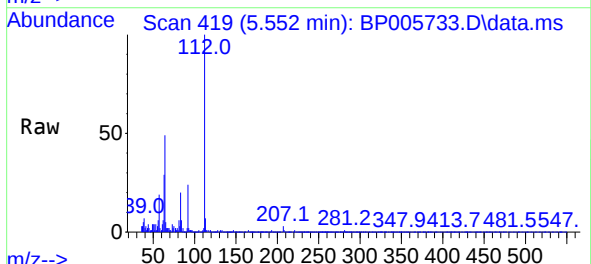
Manual Integrations  
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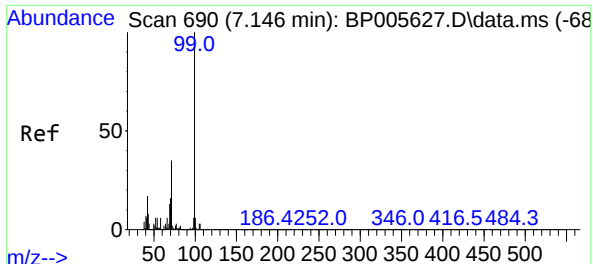
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#5  
2-Fluorophenol  
Concen: 4.393 ng  
RT: 5.552 min Scan# 419  
Delta R.T. 0.006 min  
Lab File: BP005733.D  
Acq: 05 Jun 2021 03:21

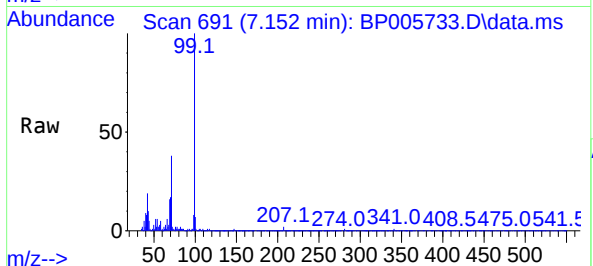
Tgt Ion:112 Resp: 42524  
Ion Ratio Lower Upper  
112 100  
64 49.5 33.6 50.4  
63 28.9 18.6 27.8#





#7  
Phenol-d6  
Concen: 4.980 ng  
RT: 7.152 min Scan# 691  
Delta R.T. 0.006 min  
Lab File: BP005733.D  
Acq: 05 Jun 2021 03:21

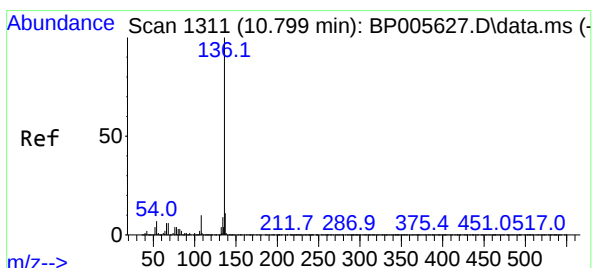
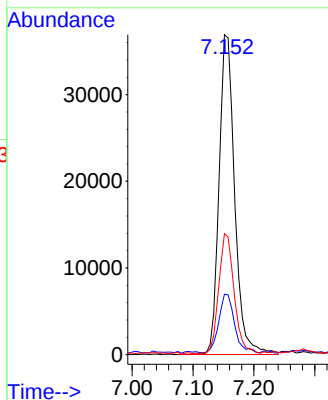
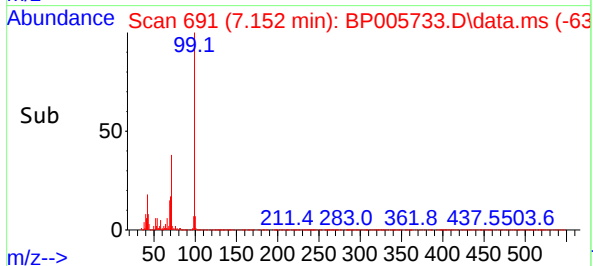
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ClientSampleId :  
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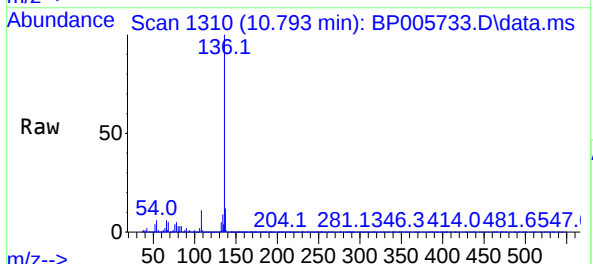
Tgt Ion: 99 Resp: 65717  
Ion Ratio Lower Upper  
99 100  
42 18.9 12.9 19.3  
71 37.8 26.7 40.1

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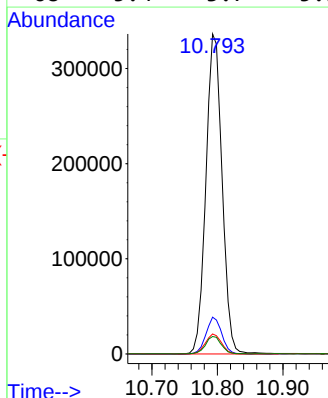
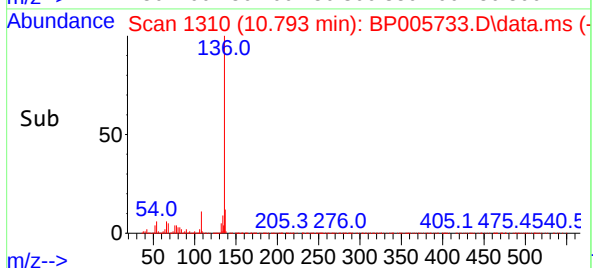
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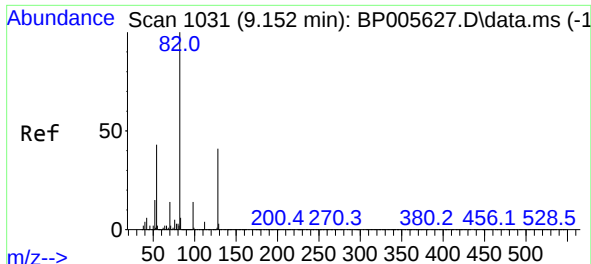


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.793 min Scan# 1310  
Delta R.T. -0.006 min  
Lab File: BP005733.D  
Acq: 05 Jun 2021 03:21



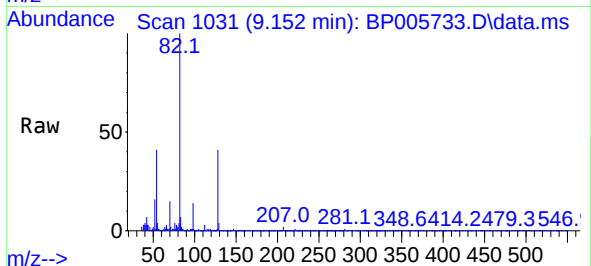
Tgt Ion: 136 Resp: 577207  
Ion Ratio Lower Upper  
136 100  
137 11.5 8.9 13.3  
54 6.2 5.0 7.4  
68 5.4 3.7 5.5





#23  
Nitrobenzene-d5  
Concen: 4.750 ng  
RT: 9.152 min Scan# 1031  
Delta R.T. -0.000 min  
Lab File: BP005733.D  
Acq: 05 Jun 2021 03:21

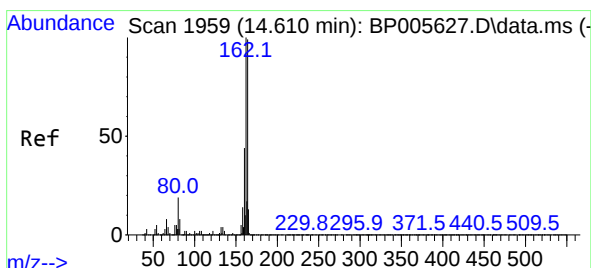
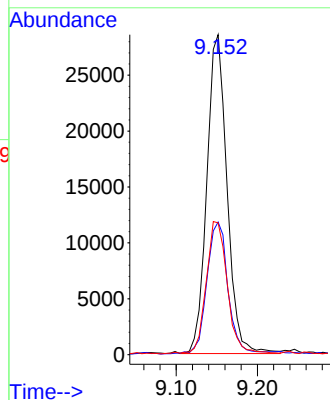
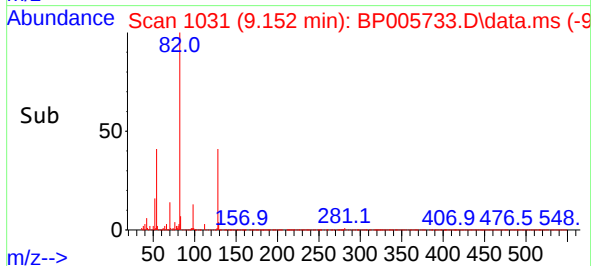
Instrument :  
BNA\_P  
ClientSampleId :  
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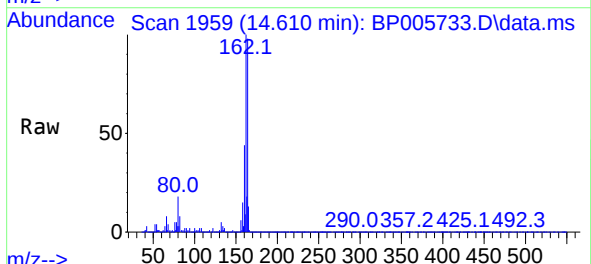
Tgt Ion: 82 Resp: 49302  
Ion Ratio Lower Upper  
82 100  
128 41.5 30.5 45.7  
54 41.2 33.9 50.9

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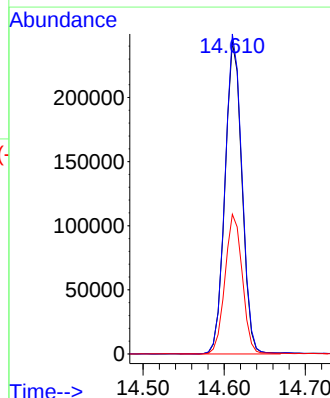
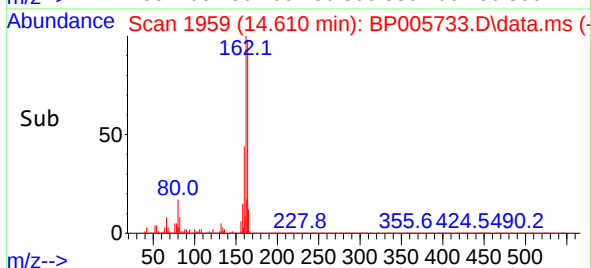
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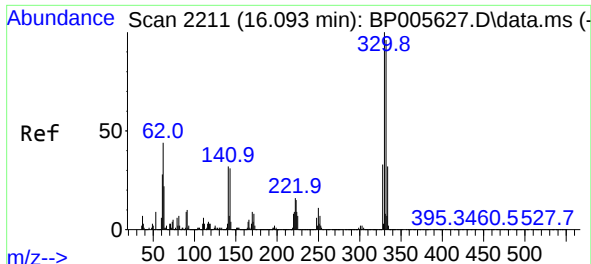


#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.610 min Scan# 1959  
Delta R.T. 0.000 min  
Lab File: BP005733.D  
Acq: 05 Jun 2021 03:21



Tgt Ion: 164 Resp: 354155  
Ion Ratio Lower Upper  
164 100  
162 102.6 73.5 110.3  
160 44.8 40.6 61.0





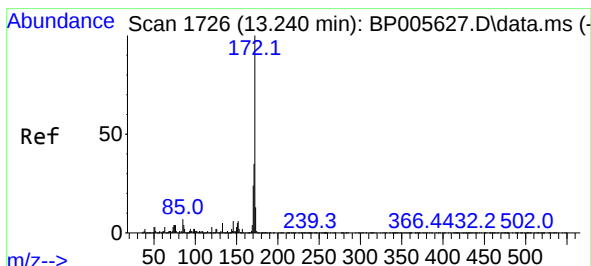
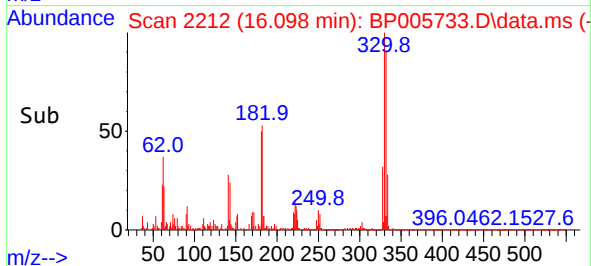
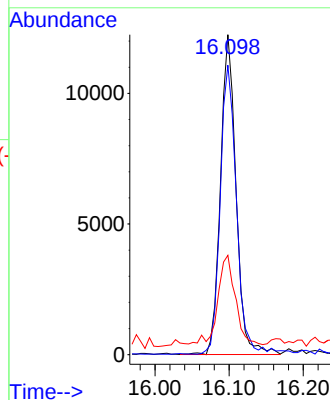
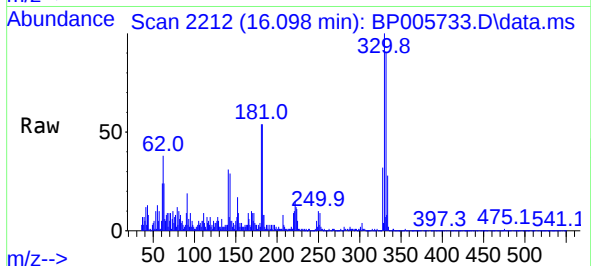
#42  
2,4,6-Tribromophenol  
Concen: 3.939 ng  
RT: 16.098 min Scan# 2212  
Delta R.T. 0.006 min  
Lab File: BP005733.D  
Acq: 05 Jun 2021 03:21

Tgt Ion: 330 Resp: 17889  
Ion Ratio Lower Upper  
330 100  
332 94.7 76.3 114.5  
141 31.0 22.8 34.2

Instrument :  
BNA\_P  
ClientSampleId :  
FOUNDATION-EXCAVATION-SAMP

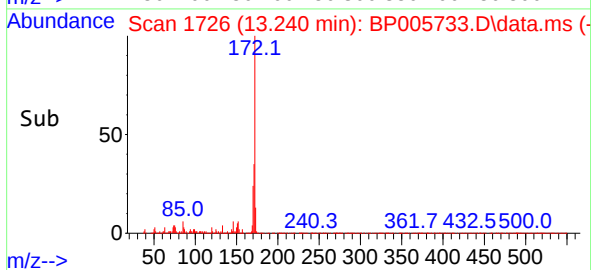
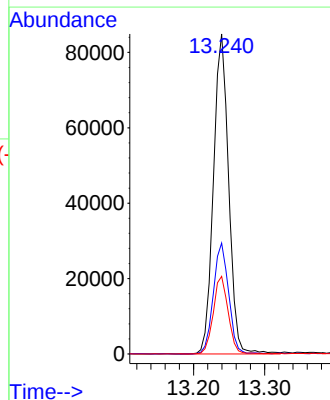
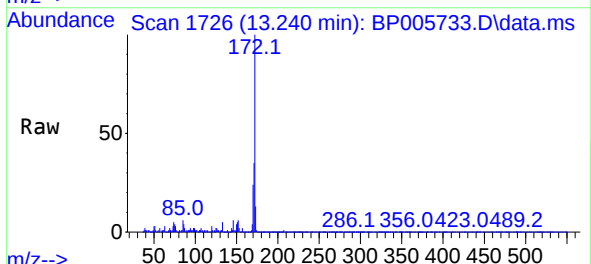
Manual Integrations  
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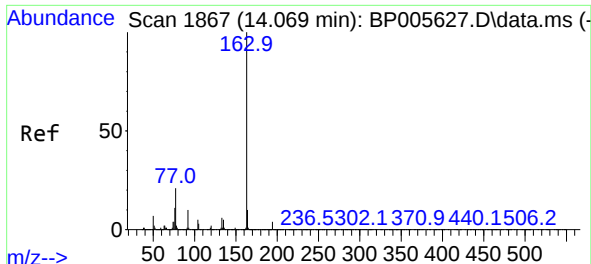
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#45  
2-Fluorobiphenyl  
Concen: 4.714 ng  
RT: 13.240 min Scan# 1726  
Delta R.T. -0.000 min  
Lab File: BP005733.D  
Acq: 05 Jun 2021 03:21

Tgt Ion: 172 Resp: 126144  
Ion Ratio Lower Upper  
172 100  
171 34.6 28.1 42.1  
170 24.3 19.6 29.4





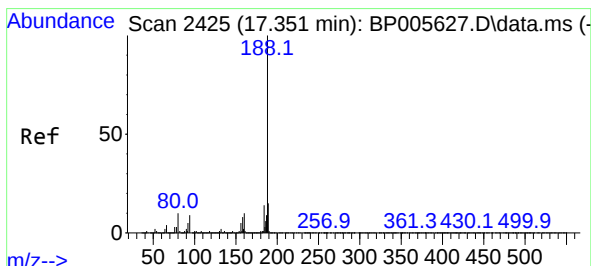
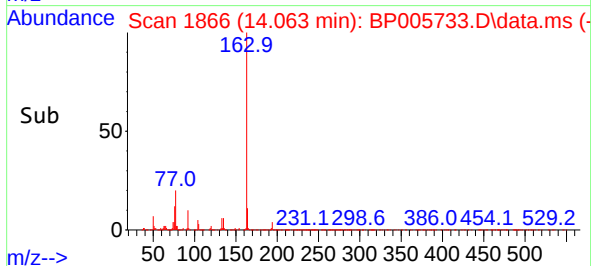
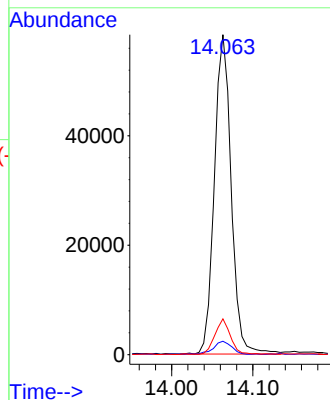
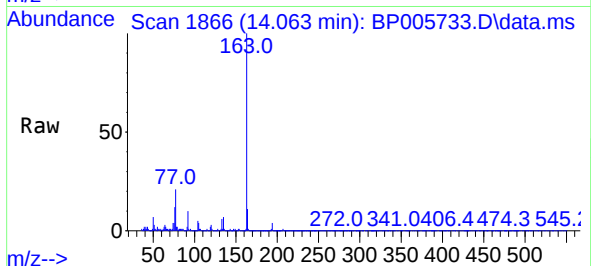
#50  
Dimethylphthalate  
Concen: 2.987 ng  
RT: 14.063 min Scan# 1866  
Delta R.T. -0.006 min  
Lab File: BP005733.D  
Acq: 05 Jun 2021 03:21

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 163   | Resp: | 84146 |
| Ion Ratio | Lower | Upper |       |
| 163       | 100   |       |       |
| 194       | 4.2   | 3.9   | 5.9   |
| 164       | 11.2  | 8.1   | 12.1  |

Instrument :  
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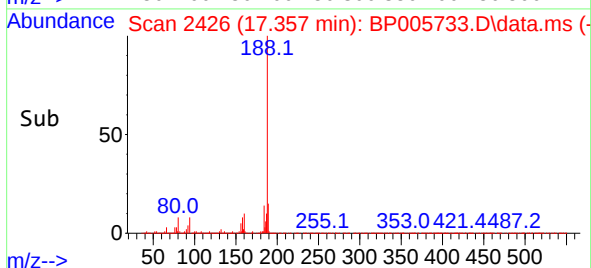
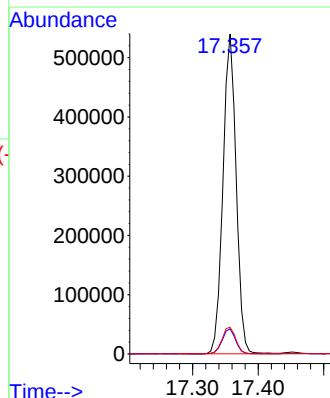
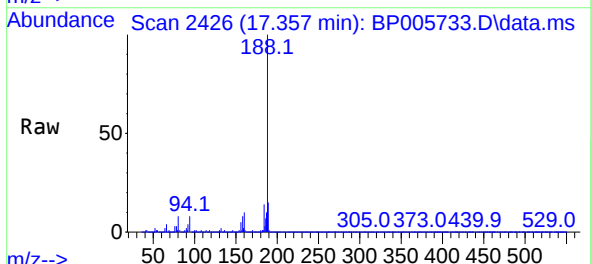
Manual Integrations  
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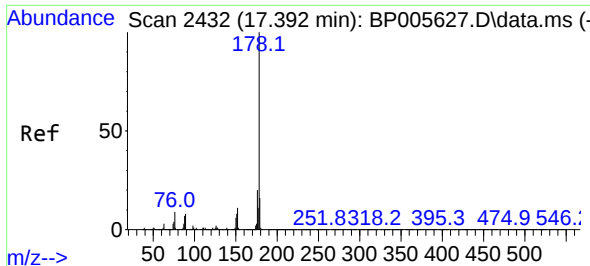
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6/7/2021 12:26:00 PM



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.357 min Scan# 2426  
Delta R.T. 0.006 min  
Lab File: BP005733.D  
Acq: 05 Jun 2021 03:21

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 188   | Resp: | 749295 |
| Ion Ratio | Lower | Upper |        |
| 188       | 100   |       |        |
| 94        | 7.9   | 5.0   | 7.6#   |
| 80        | 8.3   | 5.9   | 8.9    |





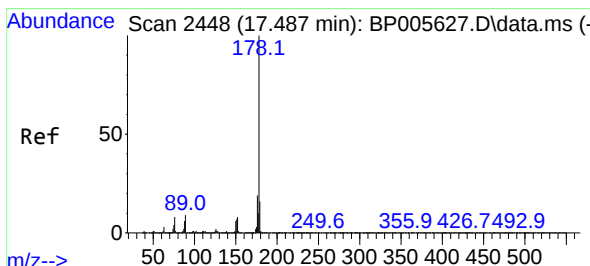
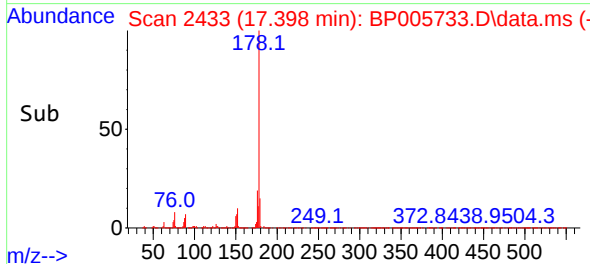
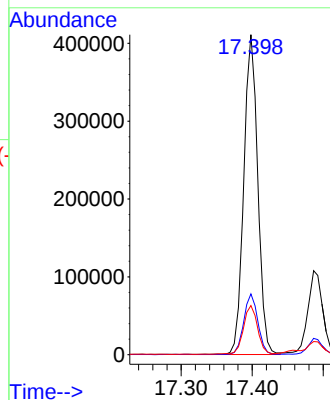
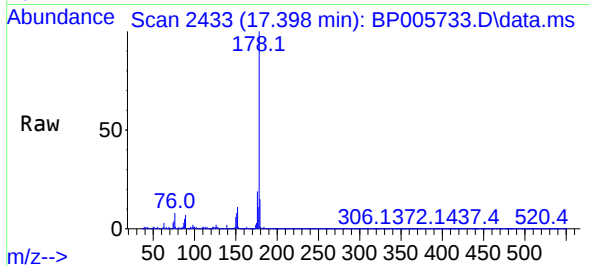
#71  
Phenanthrene  
Concen: 12.078 ng  
RT: 17.398 min Scan# 2433  
Delta R.T. 0.006 min  
Lab File: BP005733.D  
Acq: 05 Jun 2021 03:21

Tgt Ion:178 Resp: 563794  
Ion Ratio Lower Upper  
178 100  
176 19.0 15.4 23.2  
179 15.4 12.3 18.5

Instrument :  
BNA\_P  
ClientSampleId :  
FOUNDATION-EXCAVATION-SAMP

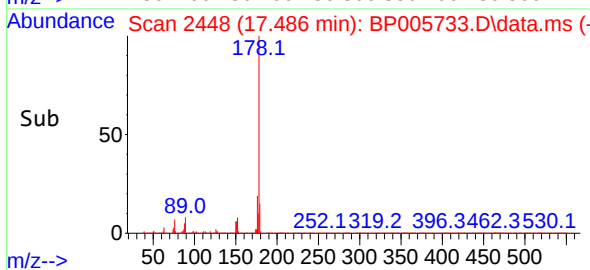
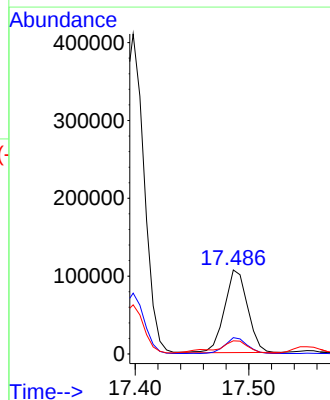
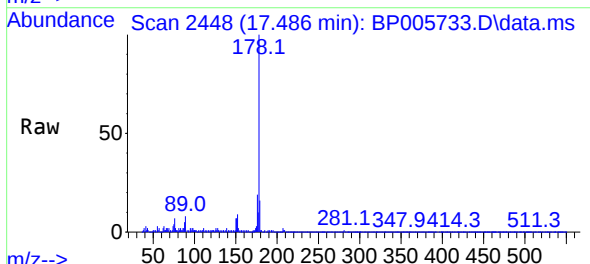
Manual Integrations  
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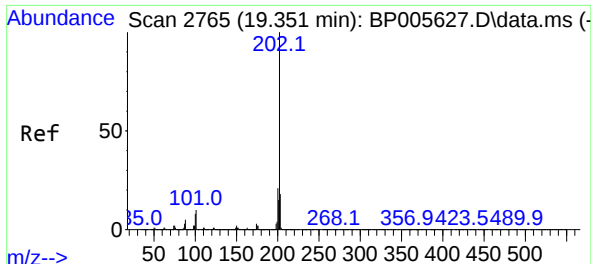
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#72  
Anthracene  
Concen: 3.258 ng  
RT: 17.486 min Scan# 2448  
Delta R.T. -0.000 min  
Lab File: BP005733.D  
Acq: 05 Jun 2021 03:21

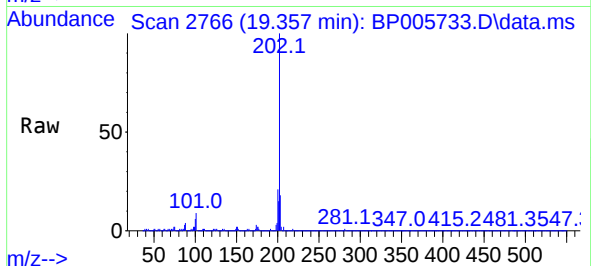
Tgt Ion:178 Resp: 150154  
Ion Ratio Lower Upper  
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176 19.4 15.2 22.8  
179 15.7 12.6 19.0





#75  
Fluoranthene  
Concen: 15.916 ng  
RT: 19.357 min Scan# 2766  
Delta R.T. 0.006 min  
Lab File: BP005733.D  
Acq: 05 Jun 2021 03:21

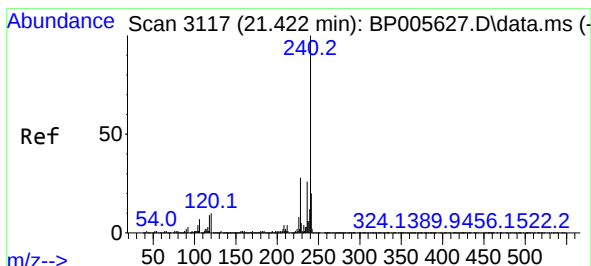
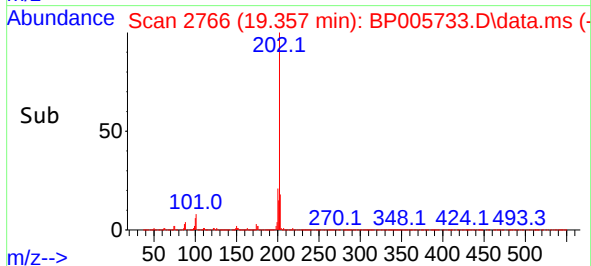
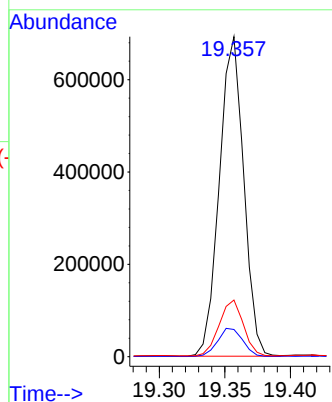
Instrument :  
BNA\_P  
ClientSampleId :  
FOUNDATION-EXCAVATION-SAMP



Tgt Ion:202 Resp: 891864  
Ion Ratio Lower Upper  
202 100  
101 8.5 0.0 26.1  
203 17.7 0.0 37.2

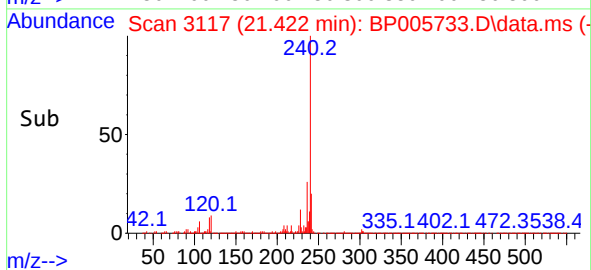
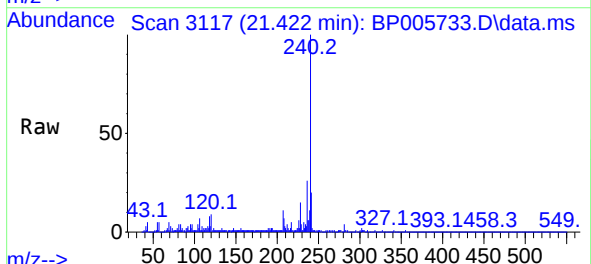
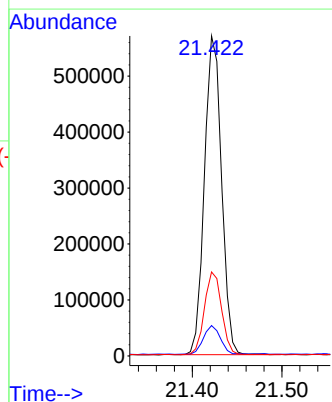
Manual Integrations  
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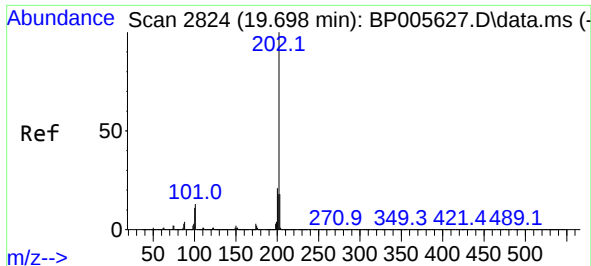
mohammad  
6/7/2021 12:26:00 PM



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.422 min Scan# 3117  
Delta R.T. -0.000 min  
Lab File: BP005733.D  
Acq: 05 Jun 2021 03:21

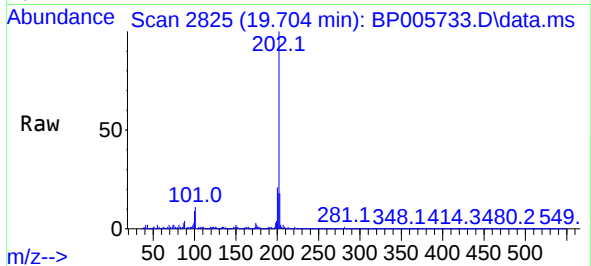
Tgt Ion:240 Resp: 754572  
Ion Ratio Lower Upper  
240 100  
120 9.5 4.2 6.2#  
236 26.2 20.2 30.2





#78  
 Pyrene  
 Concen: 14.940 ng  
 RT: 19.704 min Scan# 2825  
 Delta R.T. 0.006 min  
 Lab File: BP005733.D  
 Acq: 05 Jun 2021 03:21

Instrument :  
 BNA\_P  
 ClientSampleId :  
 FOUNDATION-EXCAVATION-SAMP

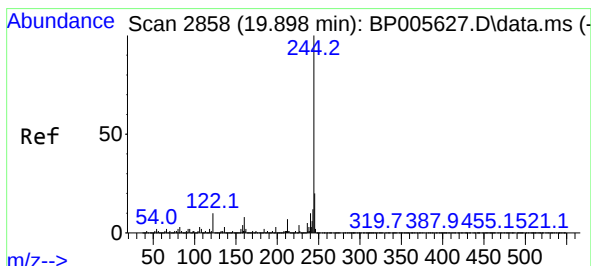
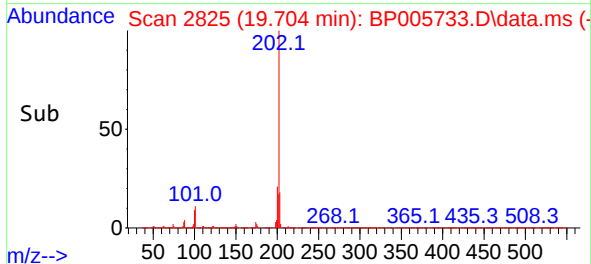
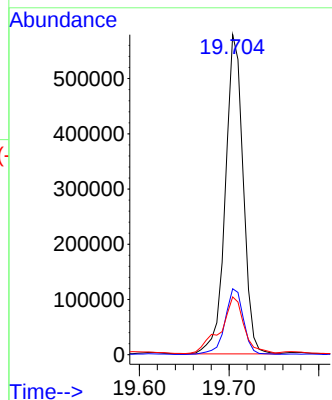


Tgt Ion:202 Resp: 795477

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 202 | 100   |       |       |
| 200 | 20.6  | 16.9  | 25.3  |
| 203 | 18.1  | 13.8  | 20.6  |

Manual Integrations  
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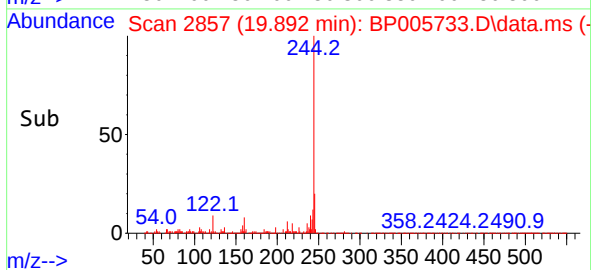
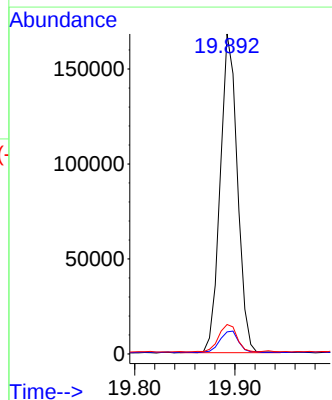
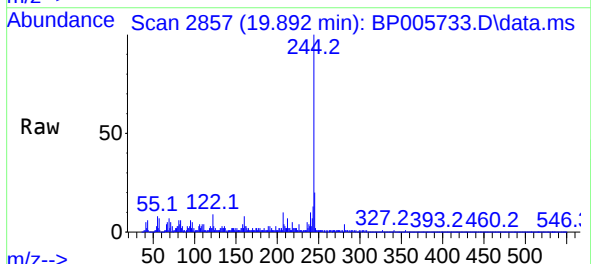
mohammad  
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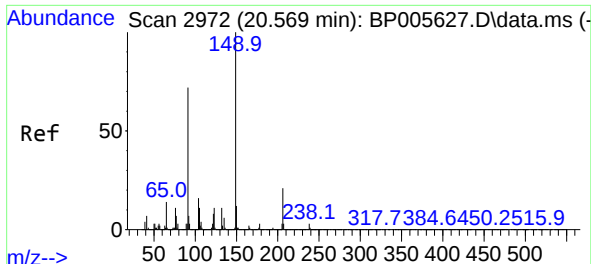


#79  
 Terphenyl-d14  
 Concen: 4.967 ng  
 RT: 19.892 min Scan# 2857  
 Delta R.T. -0.006 min  
 Lab File: BP005733.D  
 Acq: 05 Jun 2021 03:21

Tgt Ion:244 Resp: 199747

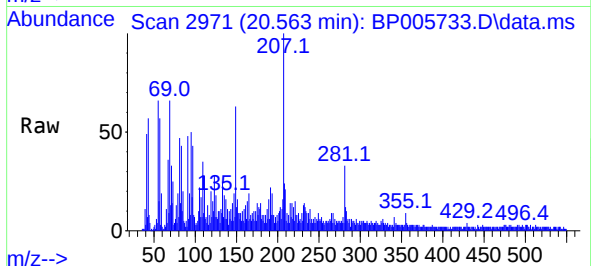
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 6.9   | 5.8   | 8.6   |
| 122 | 9.2   | 5.2   | 7.8#  |





#80  
Butylbenzylphthalate  
Concen: 4.823 ng  
RT: 20.563 min Scan# 2971  
Delta R.T. -0.006 min  
Lab File: BP005733.D  
Acq: 05 Jun 2021 03:21

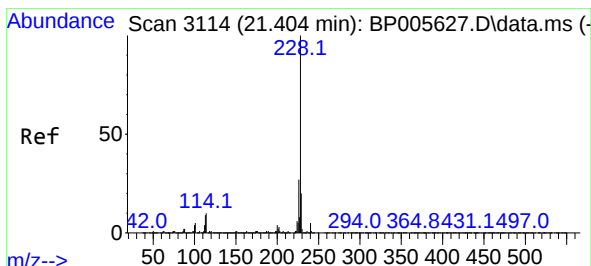
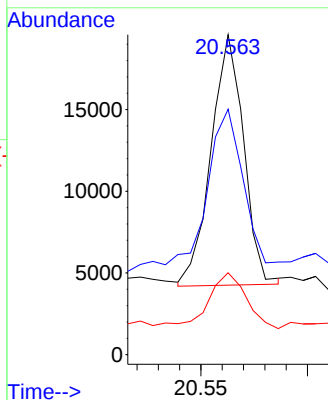
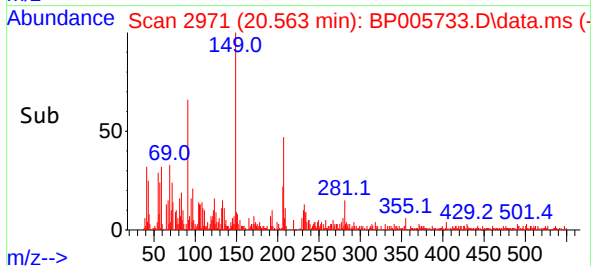
Instrument :  
BNA\_P  
ClientSampleId :  
FOUNDATION-EXCAVATION-SAMP



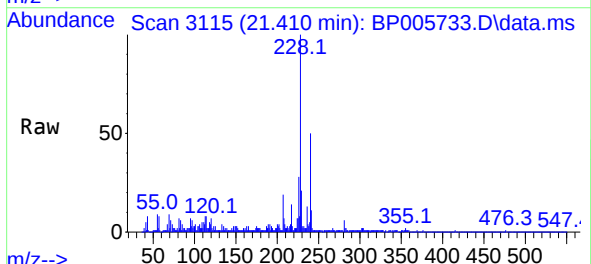
Tgt Ion:149 Resp: 16311  
Ion Ratio Lower Upper  
149 100  
91 76.7 60.2 90.4  
206 25.6 23.9 35.9

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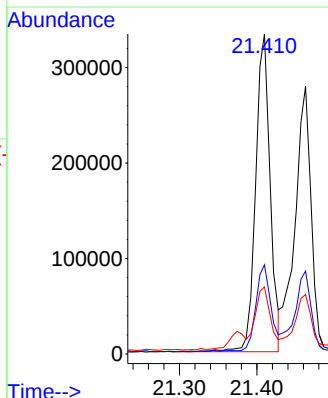
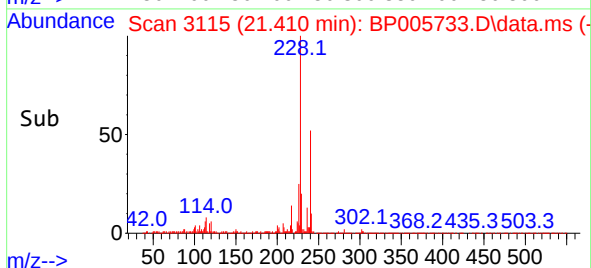
mohammad  
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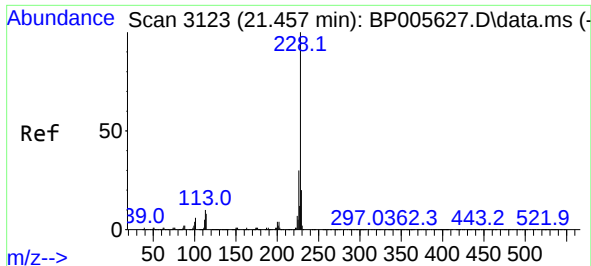


#81  
Benzo(a)anthracene  
Concen: 7.819 ng  
RT: 21.410 min Scan# 3115  
Delta R.T. 0.006 min  
Lab File: BP005733.D  
Acq: 05 Jun 2021 03:21



Tgt Ion:228 Resp: 432988  
Ion Ratio Lower Upper  
228 100  
226 27.8 21.2 31.8  
229 21.0 15.6 23.4





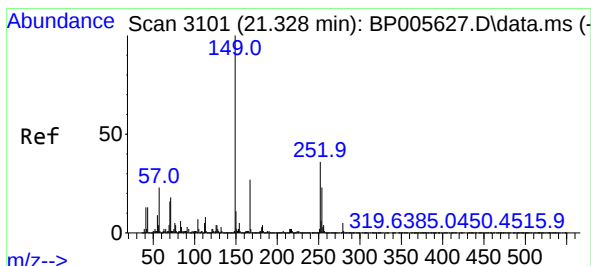
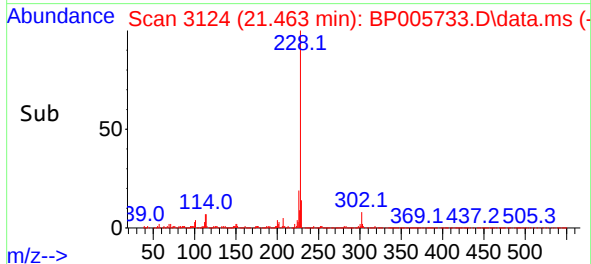
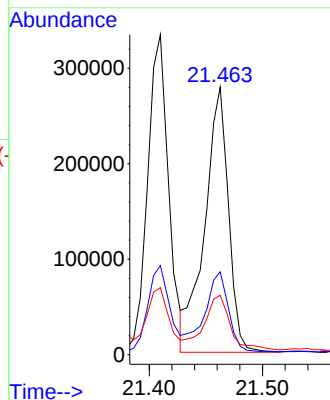
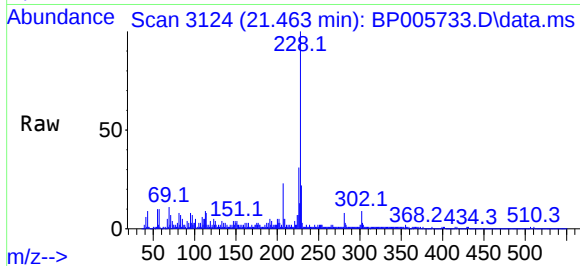
#83  
Chrysene  
Concen: 7.558 ng m  
RT: 21.463 min Scan# 3124  
Delta R.T. 0.006 min  
Lab File: BP005733.D  
Acq: 05 Jun 2021 03:21

Tgt Ion:228 Resp: 405291  
Ion Ratio Lower Upper  
228 100  
226 31.0 24.8 37.2  
229 22.2 15.4 23.0

Instrument :  
BNA\_P  
ClientSampleId :  
FOUNDATION-EXCAVATION-SAMP

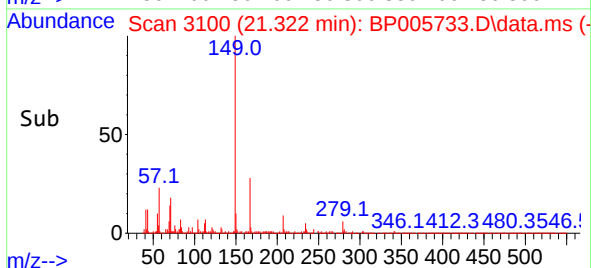
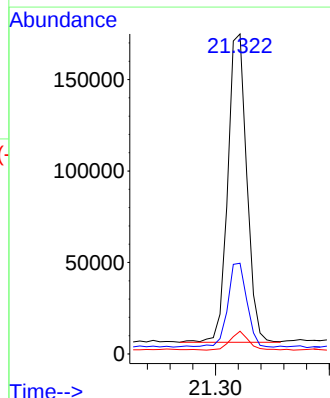
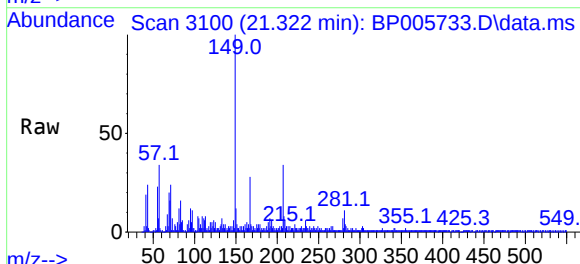
Manual Integrations  
APPROVED

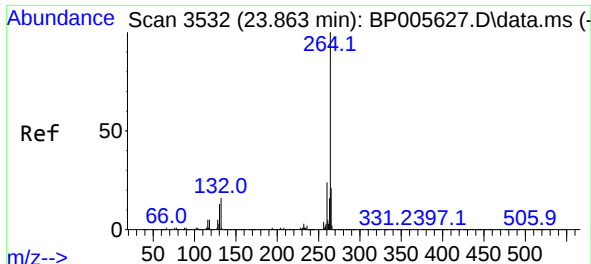
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#84  
Bis(2-ethylhexyl)phthalate  
Concen: 6.490 ng  
RT: 21.322 min Scan# 3100  
Delta R.T. -0.006 min  
Lab File: BP005733.D  
Acq: 05 Jun 2021 03:21

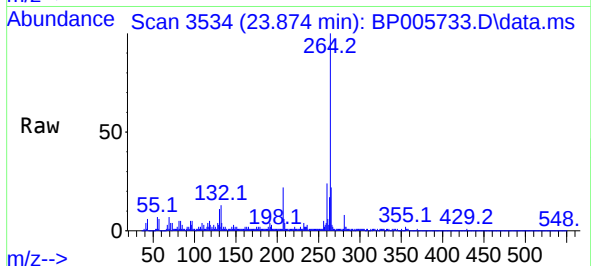
Tgt Ion:149 Resp: 195213  
Ion Ratio Lower Upper  
149 100  
167 28.4 23.8 35.8  
279 7.1 5.7 8.5





#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 23.874 min Scan# 3534  
Delta R.T. 0.012 min  
Lab File: BP005733.D  
Acq: 05 Jun 2021 03:21

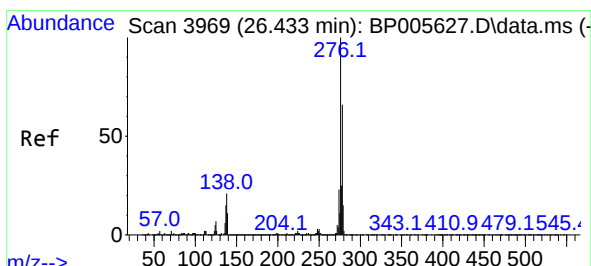
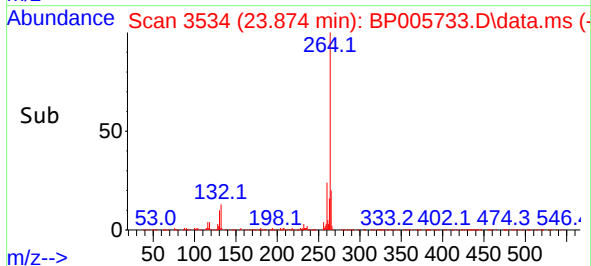
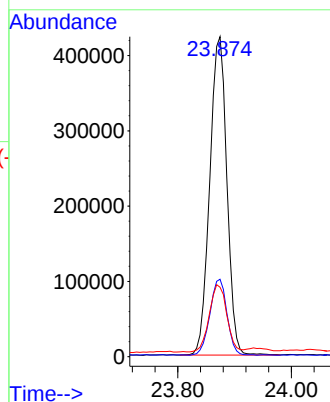
Instrument :  
BNA\_P  
ClientSampleId :  
FOUNDATION-EXCAVATION-SAMP



Tgt Ion:264 Resp: 883084  
Ion Ratio Lower Upper  
264 100  
260 24.2 20.6 30.8  
265 21.7 19.0 28.6

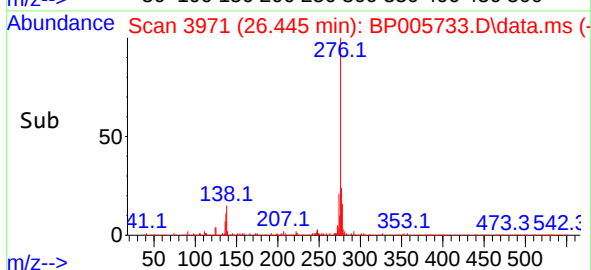
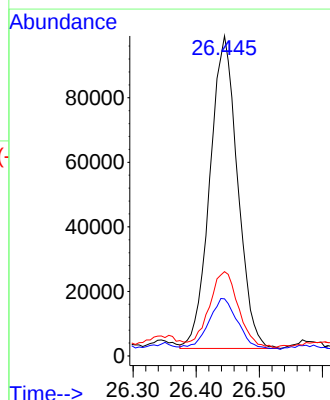
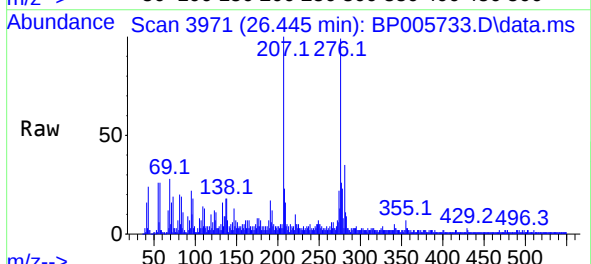
Manual Integrations  
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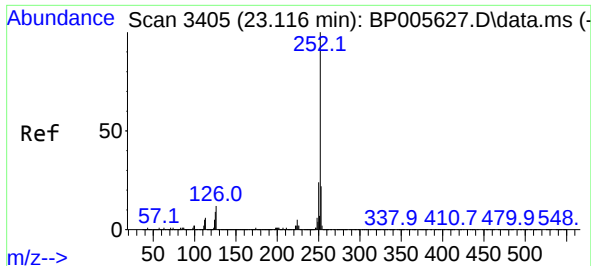
mohammad  
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#87  
Indeno(1,2,3-cd)pyrene  
Concen: 3.924 ng  
RT: 26.445 min Scan# 3971  
Delta R.T. 0.012 min  
Lab File: BP005733.D  
Acq: 05 Jun 2021 03:21

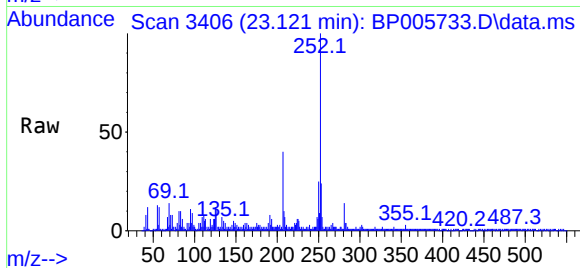
Tgt Ion:276 Resp: 294793  
Ion Ratio Lower Upper  
276 100  
138 17.3 8.4 12.6#  
277 25.4 20.6 31.0





#88  
Benzo(b)fluoranthene  
Concen: 8.948 ng  
RT: 23.121 min Scan# 3406  
Delta R.T. 0.006 min  
Lab File: BP005733.D  
Acq: 05 Jun 2021 03:21

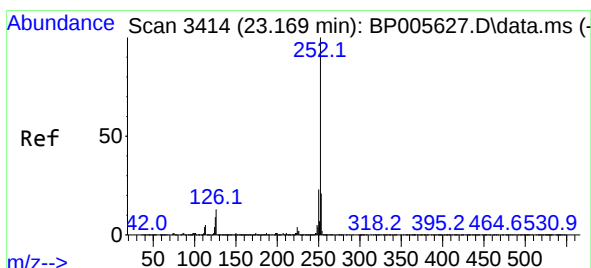
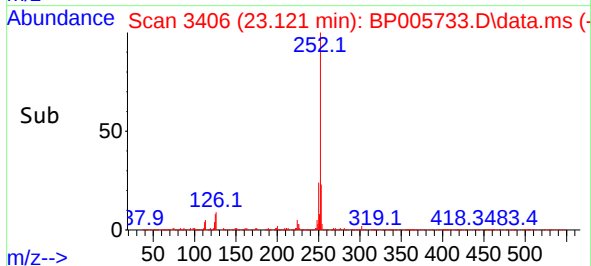
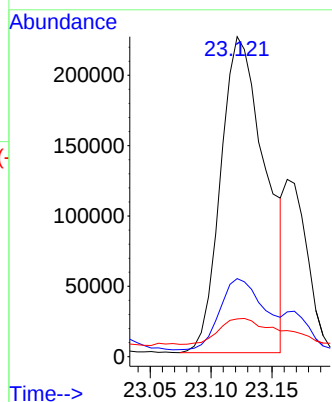
Instrument :  
BNA\_P  
ClientSampleId :  
FOUNDATION-EXCAVATION-SAMP



Tgt Ion:252 Resp: 573306  
Ion Ratio Lower Upper  
252 100  
253 24.4 18.2 27.2  
125 11.8 3.4 5.0#

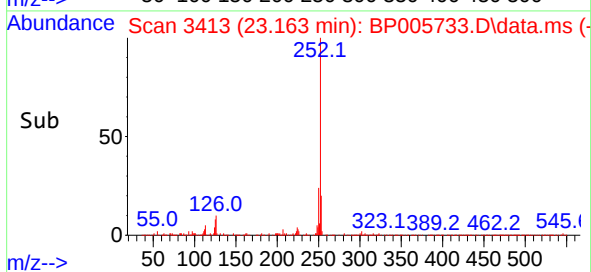
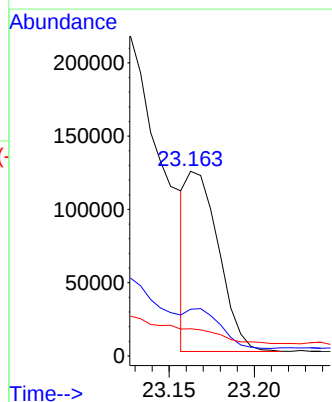
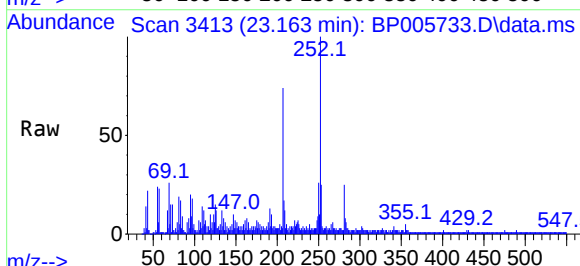
Manual Integrations  
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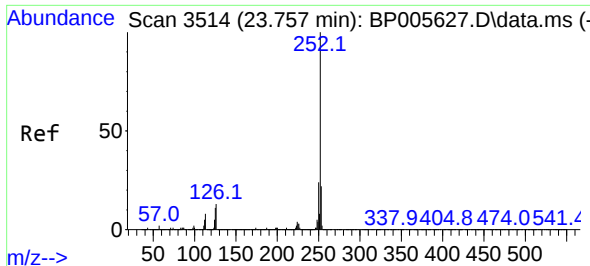
mohammad  
6/7/2021 12:26:00 PM



#89  
Benzo(k)fluoranthene  
Concen: 2.632 ng m  
RT: 23.163 min Scan# 3413  
Delta R.T. -0.006 min  
Lab File: BP005733.D  
Acq: 05 Jun 2021 03:21

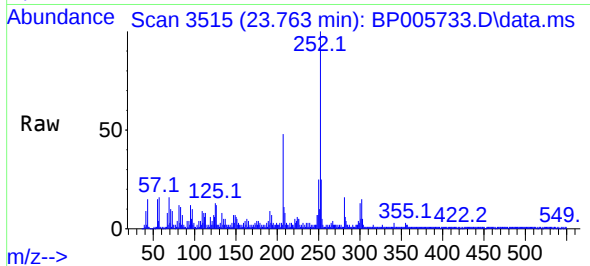
Tgt Ion:252 Resp: 159801  
Ion Ratio Lower Upper  
252 100  
253 25.3 17.2 25.8  
125 14.7 3.8 5.6#





#90  
Benzo(a)pyrene  
Concen: 7.016 ng  
RT: 23.763 min Scan# 3515  
Delta R.T. 0.006 min  
Lab File: BP005733.D  
Acq: 05 Jun 2021 03:21

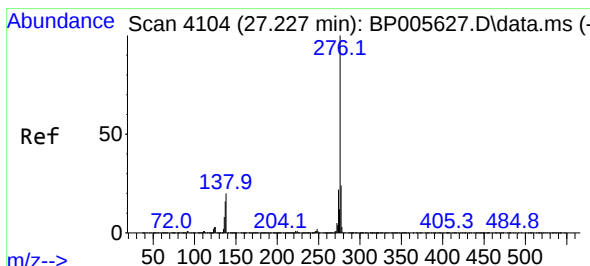
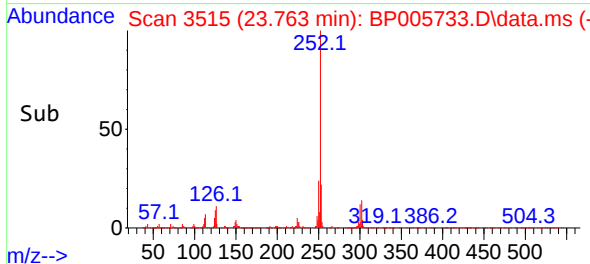
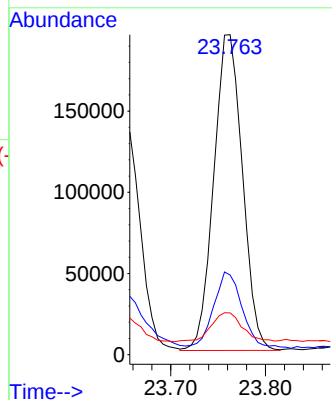
Instrument :  
BNA\_P  
ClientSampleId :  
FOUNDATION-EXCAVATION-SAMP



Tgt Ion:252 Resp: 408970  
Ion Ratio Lower Upper  
252 100  
253 24.9 17.1 25.7  
125 13.0 3.8 5.6#

Manual Integrations  
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#92  
Benzo(g,h,i)perylene  
Concen: 4.455 ng  
RT: 27.245 min Scan# 4107  
Delta R.T. 0.017 min  
Lab File: BP005733.D  
Acq: 05 Jun 2021 03:21

Tgt Ion:276 Resp: 280163  
Ion Ratio Lower Upper  
276 100  
277 26.8 19.8 29.8  
138 18.3 7.7 11.5#

