

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP112320\  
 Data File : BP004063.D  
 Acq On : 23 Nov 2020 19:38  
 Operator : CG/JU  
 Sample : L4857-03  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 340EM-STOCKPILE-WEST

Manual Integrations  
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 11/25/2020 12:49:46 PM

Quant Time: Nov 24 06:23:35 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_P\METHODS\8270E-BP110320.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Nov 23 16:42:41 2020  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|--------|------|----------|--------|-------|----------|
| -----                       |        |      |          |        |       |          |
| Internal Standards          |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 8.263  | 152  | 120678   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 11.098 | 136  | 471776   | 20.00  | ng    | # 0.00   |
| 39) Acenaphthene-d10        | 14.886 | 164  | 292620   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.621 | 188  | 605861   | 20.00  | ng    | # 0.00   |
| 76) Chrysene-d12            | 21.656 | 240  | 558011   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 24.127 | 264  | 570564   | 20.00  | ng    | 0.00     |
|                             |        |      |          |        |       |          |
| System Monitoring Compounds |        |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.798  | 112  | 724627   | 100.22 | ng    | 0.00     |
| 7) Phenol-d6                | 7.451  | 99   | 956458   | 92.15  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.428  | 82   | 604171   | 62.72  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 16.374 | 330  | 336816   | 92.03  | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.510 | 172  | 1270129  | 60.68  | ng    | 0.00     |
| 79) Terphenyl-d14           | 20.121 | 244  | 1580461  | 54.72  | ng    | 0.00     |
|                             |        |      |          |        |       |          |
| Target Compounds            |        |      |          |        |       | Qvalue   |
| 10) Phenol                  | 7.475  | 94   | 37915    | 3.79   | ng    | 71       |
| 50) Dimethylphthalate       | 14.310 | 163  | 80224    | 3.51   | ng    | 99       |
| 71) Phenanthrene            | 17.663 | 178  | 234035   | 6.88   | ng    | 98       |
| 75) Fluoranthene            | 19.598 | 202  | 631094   | 16.09  | ng    | 99       |
| 78) Pyrene                  | 19.951 | 202  | 549625   | 14.51  | ng    | 98       |
| 81) Benzo(a)anthracene      | 21.639 | 228  | 282473   | 7.68   | ng    | 97       |
| 83) Chrysene                | 21.692 | 228  | 303605   | 8.59   | ng    | 95       |
| 87) Indeno(1,2,3-cd)pyrene  | 26.674 | 276  | 204285   | 4.96   | ng    | # 93     |
| 88) Benzo(b)fluoranthene    | 23.374 | 252  | 427207m  | 11.44  | ng    |          |
| 89) Benzo(k)fluoranthene    | 23.415 | 252  | 120156m  | 3.26   | ng    |          |
| 90) Benzo(a)pyrene          | 24.015 | 252  | 274769   | 7.95   | ng    | 98       |
| 92) Benzo(g,h,i)perylene    | 27.462 | 276  | 203725   | 6.13   | ng    | 96       |
| -----                       |        |      |          |        |       |          |

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

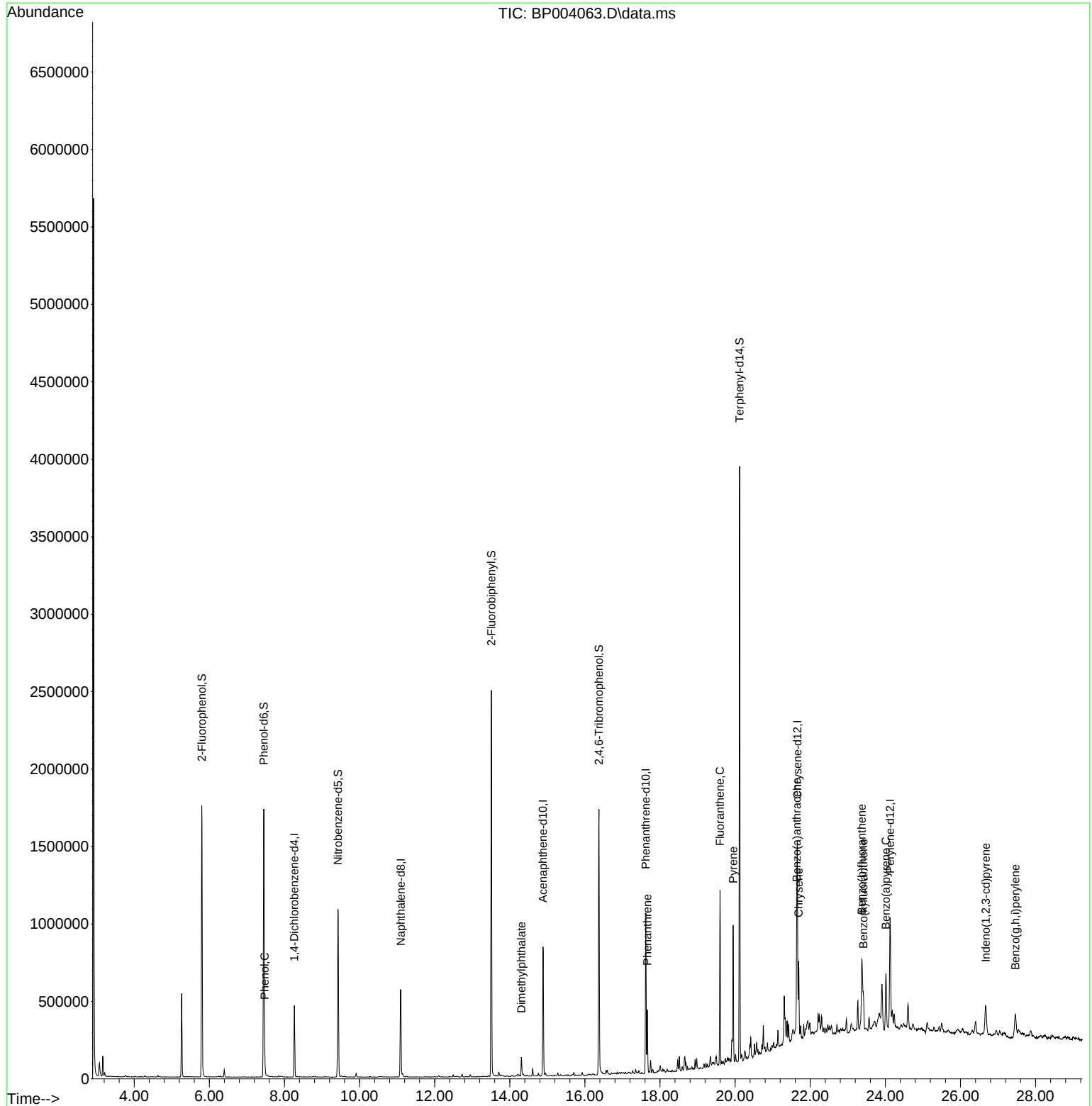
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP112320\  
Data File : BP004063.D  
Acq On : 23 Nov 2020 19:38  
Operator : CG/JU  
Sample : L4857-03  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

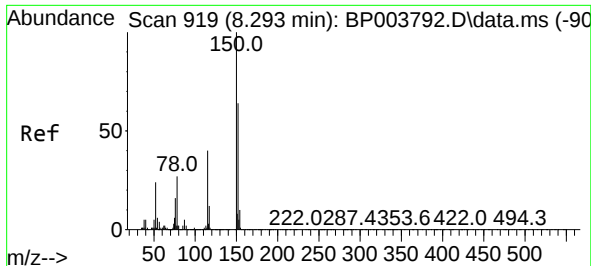
Instrument :  
BNA\_P  
ClientSampleId :  
340EM-STOCKPILE-WEST

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Quant Time: Nov 24 06:23:35 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_P\METHODS\8270E-BP110320.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Nov 23 16:42:41 2020  
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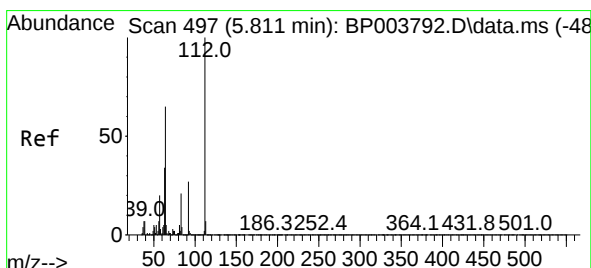
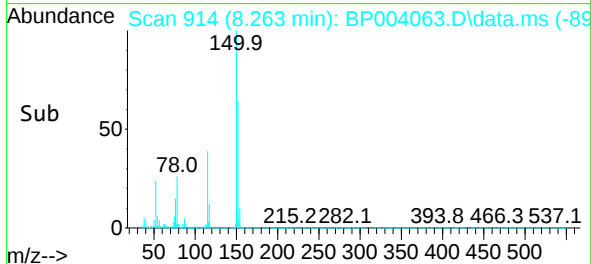
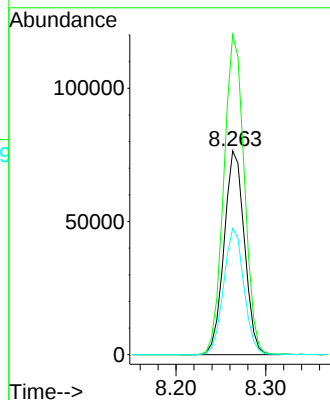
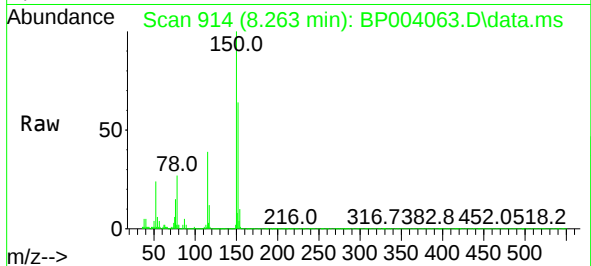
#1  
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 8.263 min Scan# 914  
Delta R.T. -0.006 min  
Lab File: BP004063.D  
Acq: 23 Nov 2020 19:38

Tgt Ion:152 Resp: 120678  
Ion Ratio Lower Upper  
152 100  
150 157.0 123.8 185.6  
115 61.9 43.8 65.6

Instrument :  
BNA\_P  
ClientSampleId :  
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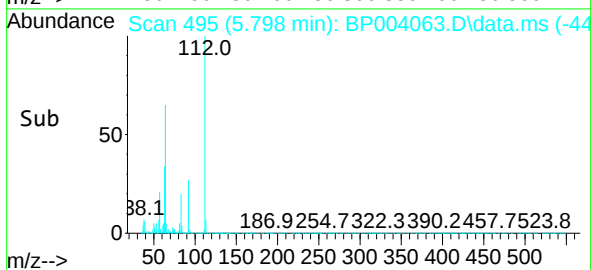
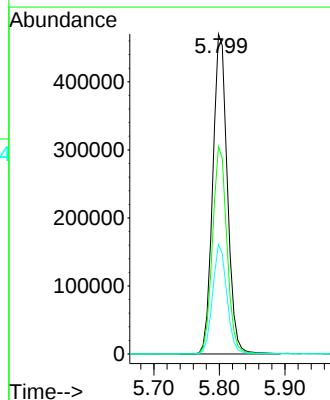
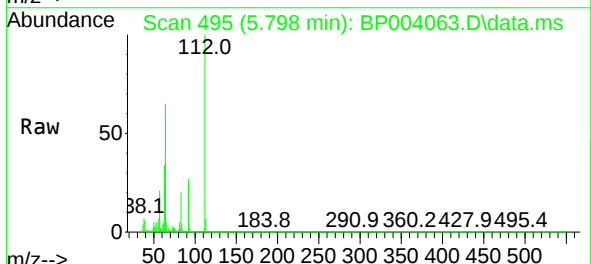
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#5  
2-Fluorophenol  
Concen: 100.22 ng  
RT: 5.798 min Scan# 495  
Delta R.T. -0.006 min  
Lab File: BP004063.D  
Acq: 23 Nov 2020 19:38

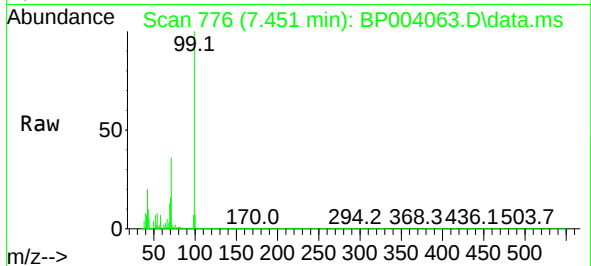
Tgt Ion:112 Resp: 724627  
Ion Ratio Lower Upper  
112 100  
64 64.8 32.8 49.2#  
63 34.2 17.0 25.4#





#7  
Phenol-d6  
Concen: 92.15 ng  
RT: 7.451 min Scan# 776  
Delta R.T. -0.000 min  
Lab File: BP004063.D  
Acq: 23 Nov 2020 19:38

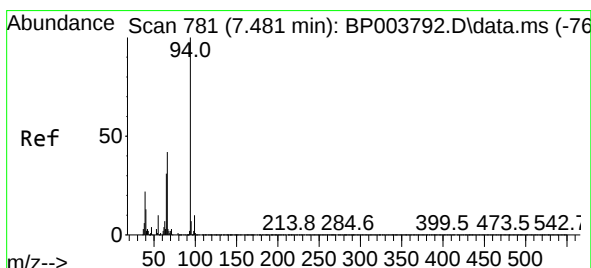
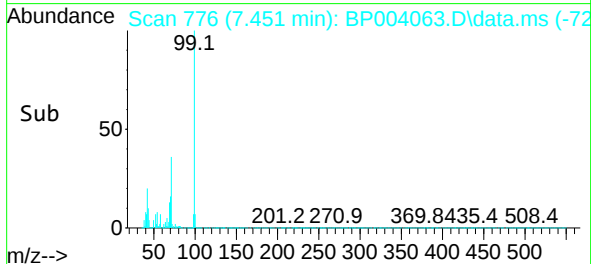
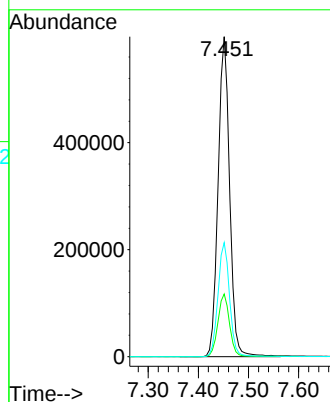
Instrument :  
BNA\_P  
ClientSampleId :  
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Tgt Ion: 99 Resp: 956458  
Ion Ratio Lower Upper  
99 100  
42 19.6 8.6 13.0#  
71 35.7 23.4 35.2#

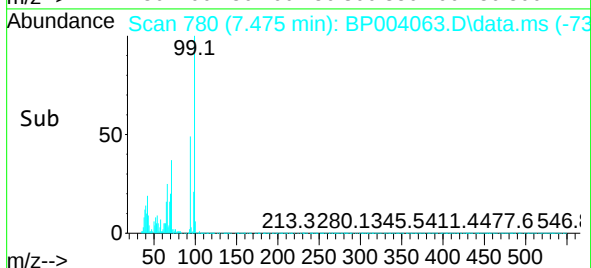
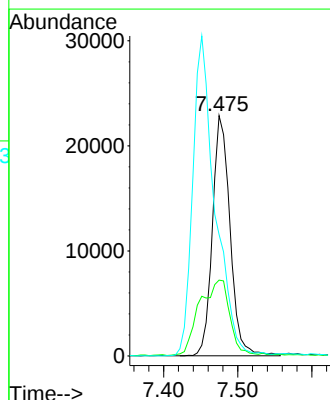
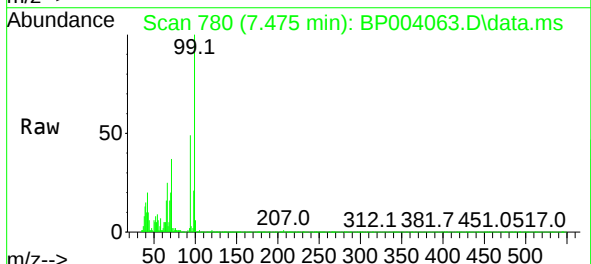
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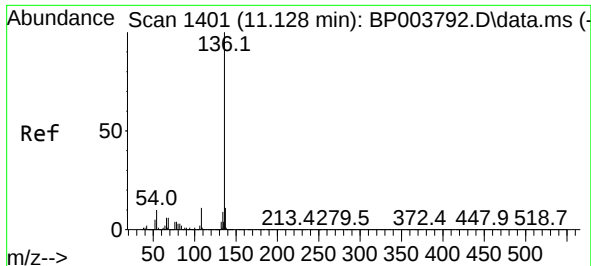
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#10  
Phenol  
Concen: 3.79 ng  
RT: 7.475 min Scan# 780  
Delta R.T. -0.006 min  
Lab File: BP004063.D  
Acq: 23 Nov 2020 19:38

Tgt Ion: 94 Resp: 37915  
Ion Ratio Lower Upper  
94 100  
65 31.6 2.3 42.3  
66 50.6 10.9 50.9





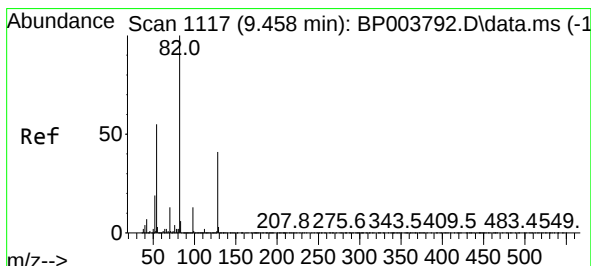
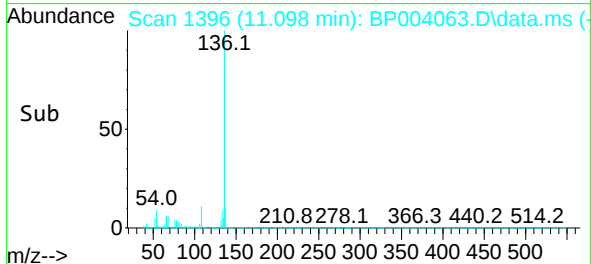
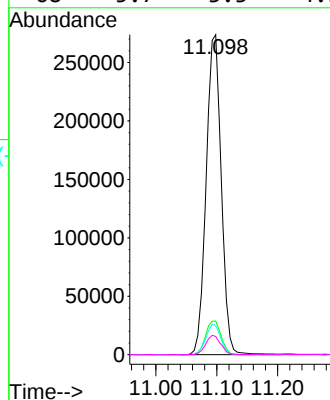
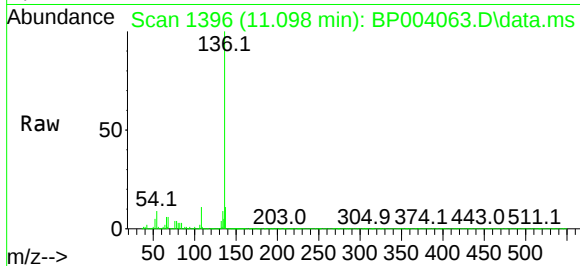
#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 11.098 min Scan# 1396  
Delta R.T. -0.000 min  
Lab File: BP004063.D  
Acq: 23 Nov 2020 19:38

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 136   | Resp: | 471776 |
| Ion Ratio | Lower | Upper |        |
| 136       | 100   |       |        |
| 137       | 10.5  | 8.6   | 13.0   |
| 54        | 9.1   | 3.6   | 5.4#   |
| 68        | 5.7   | 3.3   | 4.9#   |

Instrument :  
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ClientSampleId :  
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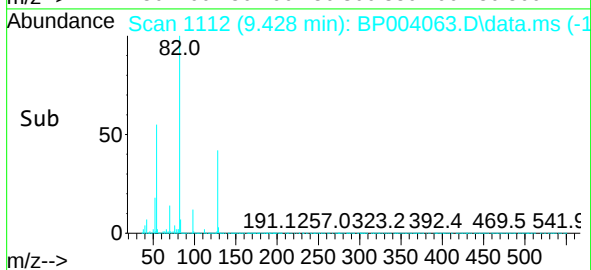
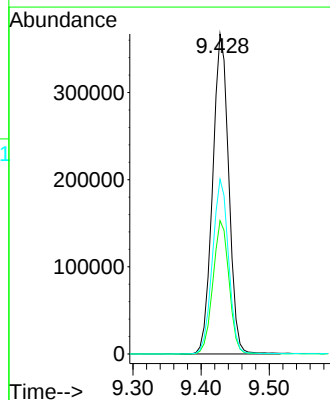
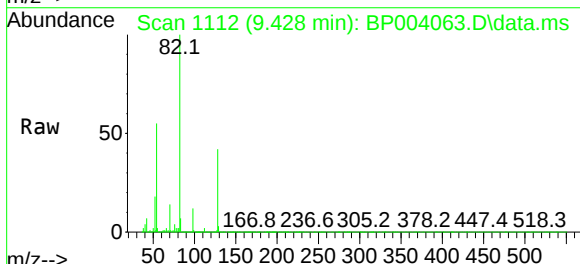
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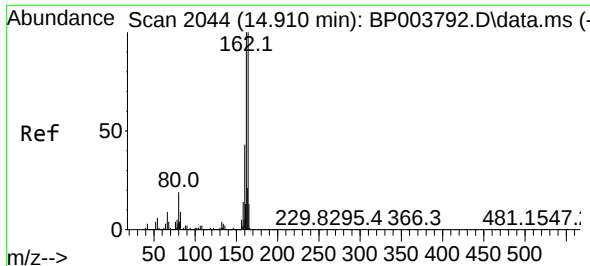
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#23  
Nitrobenzene-d5  
Concen: 62.72 ng  
RT: 9.428 min Scan# 1112  
Delta R.T. -0.006 min  
Lab File: BP004063.D  
Acq: 23 Nov 2020 19:38

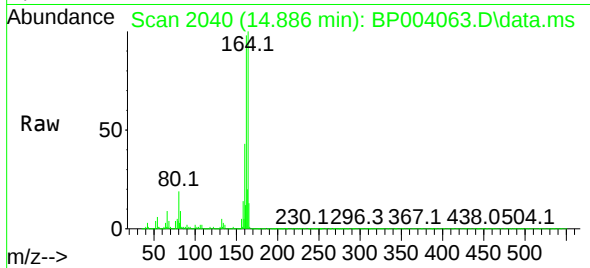
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 82    | Resp: | 604171 |
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 41.7  | 45.6  | 68.4#  |
| 54        | 54.6  | 30.1  | 45.1#  |





#39  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 14.886 min Scan# 2040  
Delta R.T. -0.006 min  
Lab File: BP004063.D  
Acq: 23 Nov 2020 19:38

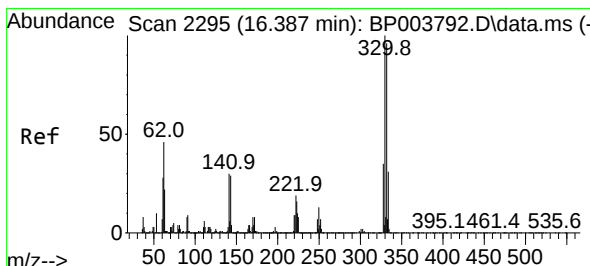
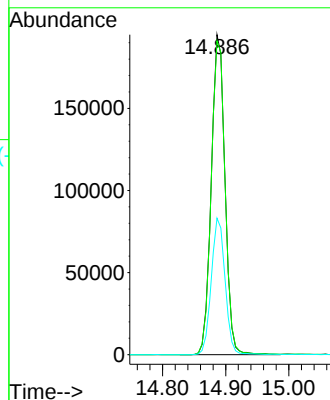
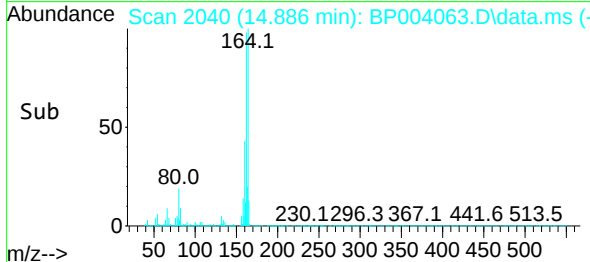
Instrument :  
BNA\_P  
ClientSampleId :  
340EM-STOCKPILE-WEST



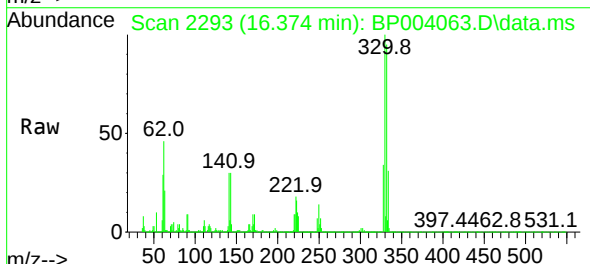
Tgt Ion:164 Resp: 292620  
Ion Ratio Lower Upper  
164 100  
162 98.1 79.4 119.2  
160 42.6 36.1 54.1

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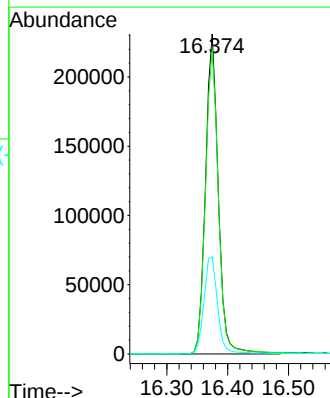
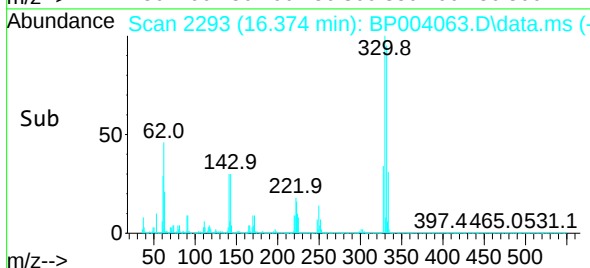
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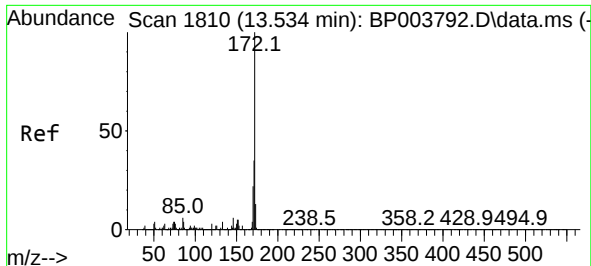


#42  
2,4,6-Tribromophenol  
Concen: 92.03 ng  
RT: 16.374 min Scan# 2293  
Delta R.T. -0.000 min  
Lab File: BP004063.D  
Acq: 23 Nov 2020 19:38



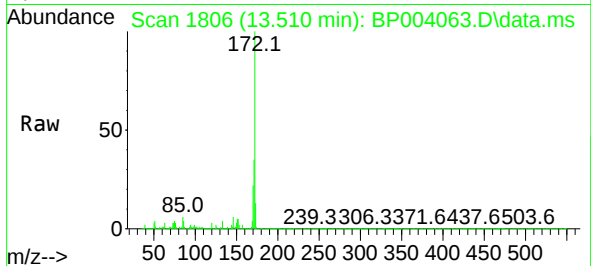
Tgt Ion:330 Resp: 336816  
Ion Ratio Lower Upper  
330 100  
332 97.2 77.1 115.7  
141 32.3 23.4 35.2





#45  
2-Fluorobiphenyl  
Concen: 60.68 ng  
RT: 13.510 min Scan# 1806  
Delta R.T. -0.000 min  
Lab File: BP004063.D  
Acq: 23 Nov 2020 19:38

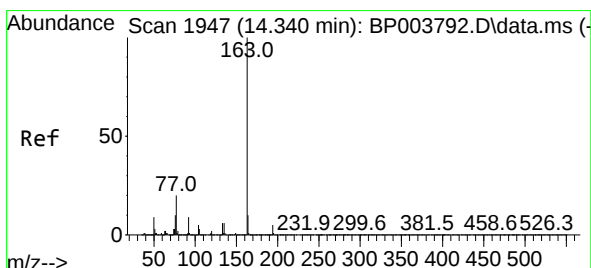
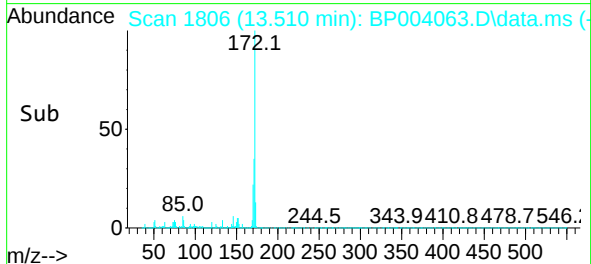
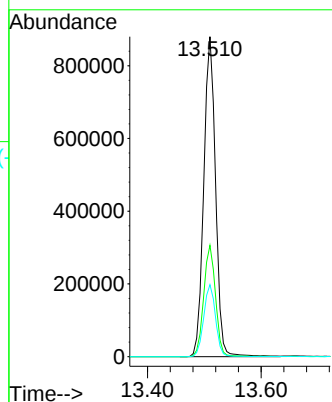
Instrument :  
BNA\_P  
ClientSampleId :  
340EM-STOCKPILE-WEST



Tgt Ion:172 Resp: 1270129  
Ion Ratio Lower Upper  
172 100  
171 34.8 28.5 42.7  
170 22.5 19.2 28.8

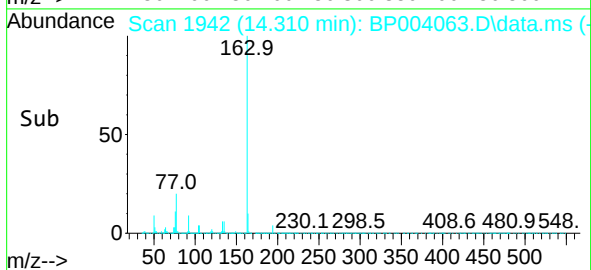
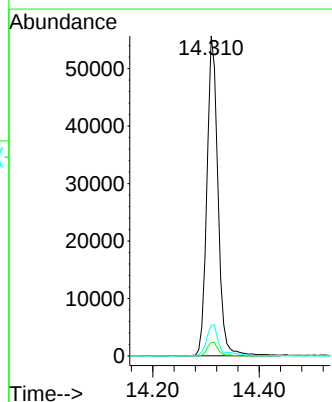
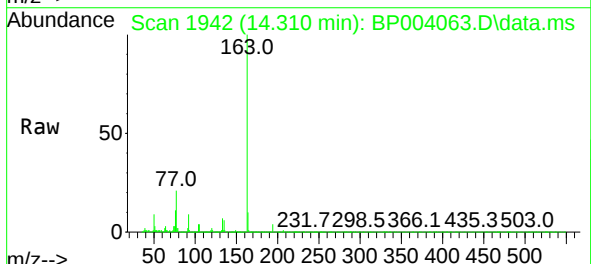
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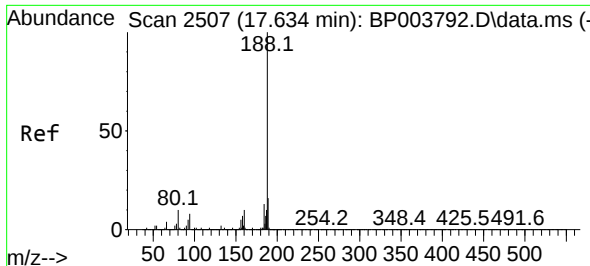
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#50  
Dimethylphthalate  
Concen: 3.51 ng  
RT: 14.310 min Scan# 1942  
Delta R.T. -0.012 min  
Lab File: BP004063.D  
Acq: 23 Nov 2020 19:38

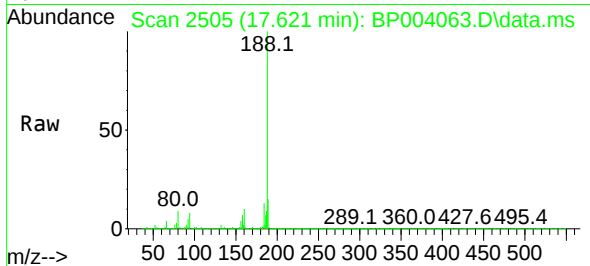
Tgt Ion:163 Resp: 80224  
Ion Ratio Lower Upper  
163 100  
194 4.3 3.3 4.9  
164 9.5 8.2 12.2





#64  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.621 min Scan# 2505  
Delta R.T. -0.000 min  
Lab File: BP004063.D  
Acq: 23 Nov 2020 19:38

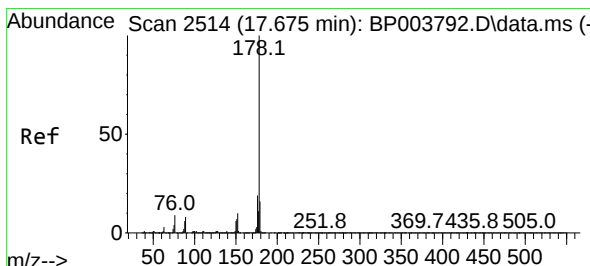
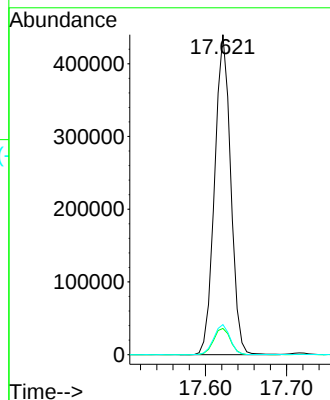
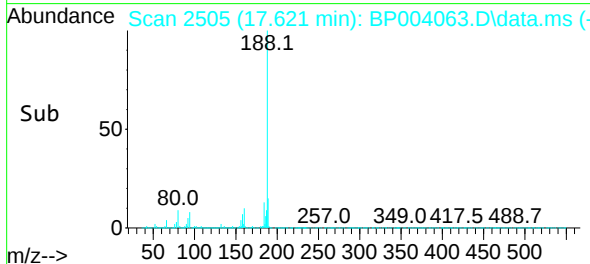
Instrument :  
BNA\_P  
ClientSampleId :  
340EM-STOCKPILE-WEST



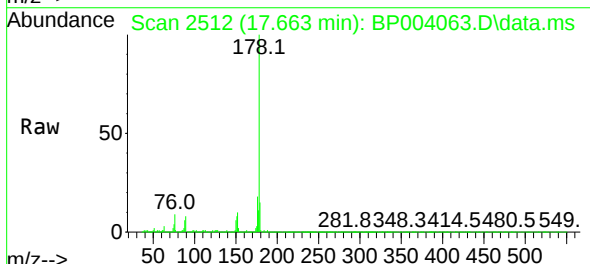
Tgt Ion:188 Resp: 605861  
Ion Ratio Lower Upper  
188 100  
94 8.2 6.2 9.2  
80 9.4 6.2 9.2#

Manual Integrations  
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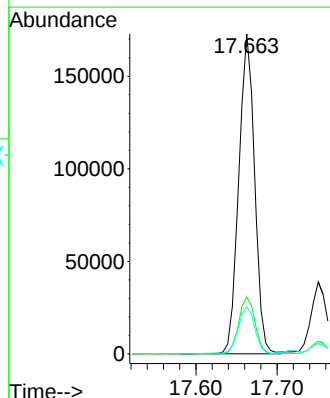
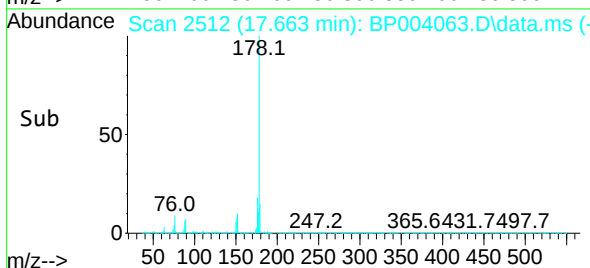
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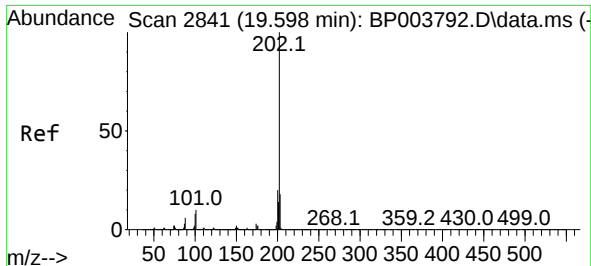


#71  
Phenanthrene  
Concen: 6.88 ng  
RT: 17.663 min Scan# 2512  
Delta R.T. -0.006 min  
Lab File: BP004063.D  
Acq: 23 Nov 2020 19:38



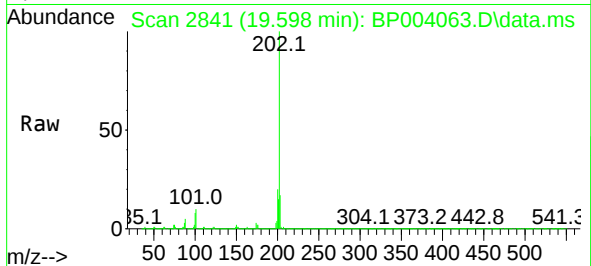
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Ion Ratio Lower Upper  
178 100  
176 17.8 15.3 22.9  
179 14.8 12.5 18.7





#75  
Fluoranthene  
Concen: 16.09 ng  
RT: 19.598 min Scan# 2841  
Delta R.T. -0.006 min  
Lab File: BP004063.D  
Acq: 23 Nov 2020 19:38

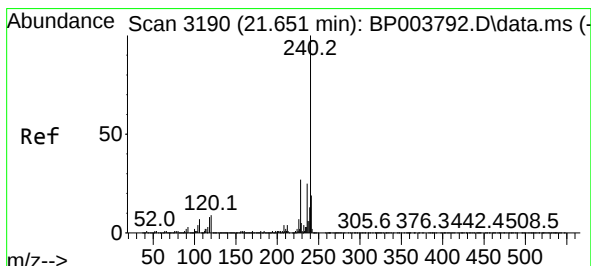
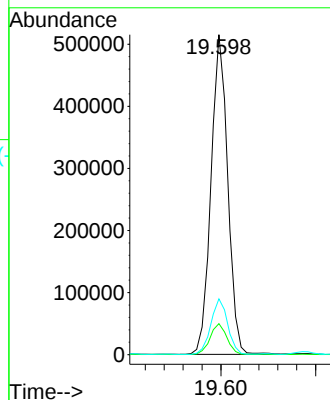
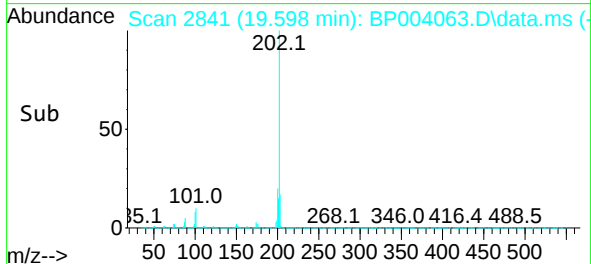
Instrument :  
BNA\_P  
ClientSampleId :  
340EM-STOCKPILE-WEST



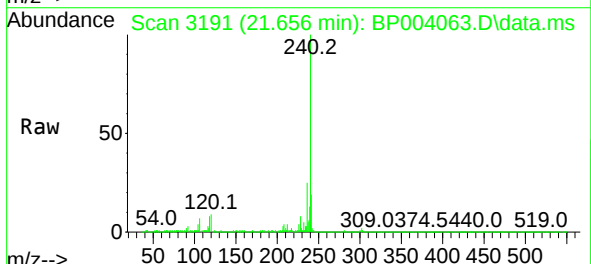
Tgt Ion:202 Resp: 631094  
Ion Ratio Lower Upper  
202 100  
101 9.7 0.0 29.4  
203 17.5 0.0 37.8

Manual Integrations  
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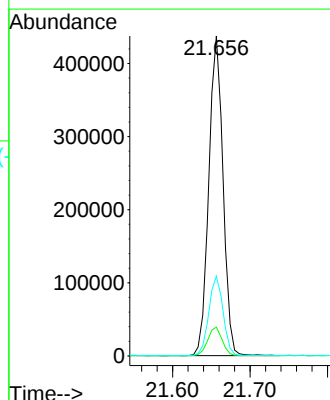
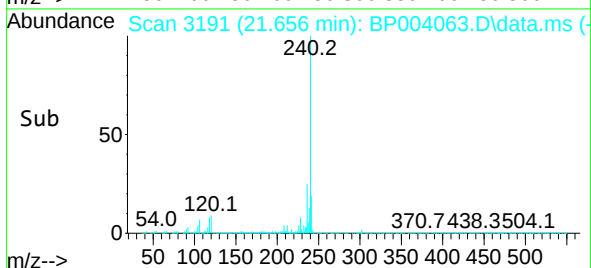
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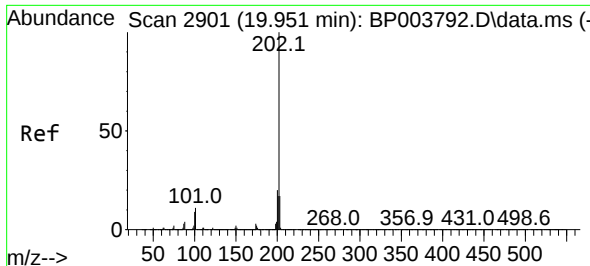


#76  
Chrysene-d12  
Concen: 20.00 ng  
RT: 21.656 min Scan# 3191  
Delta R.T. -0.006 min  
Lab File: BP004063.D  
Acq: 23 Nov 2020 19:38



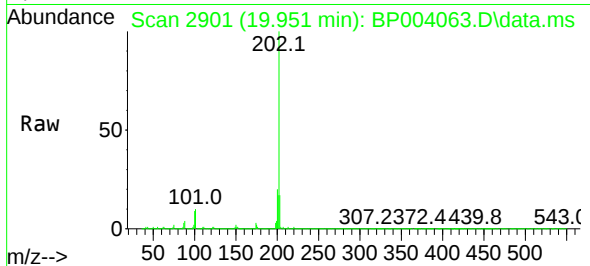
Tgt Ion:240 Resp: 558011  
Ion Ratio Lower Upper  
240 100  
120 9.0 7.8 11.6  
236 24.9 20.8 31.2





#78  
Pyrene  
Concen: 14.51 ng  
RT: 19.951 min Scan# 2901  
Delta R.T. -0.000 min  
Lab File: BP004063.D  
Acq: 23 Nov 2020 19:38

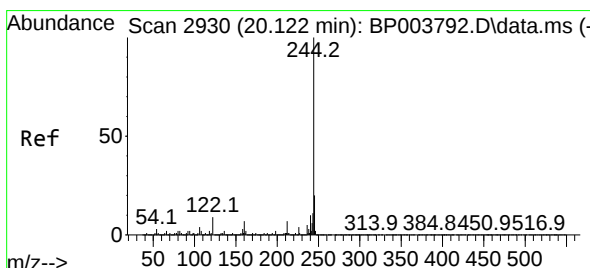
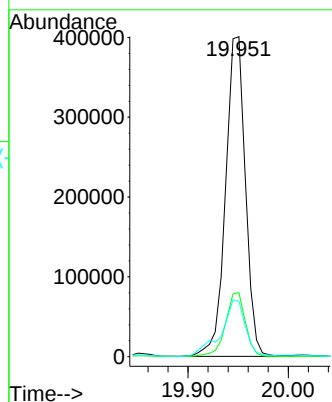
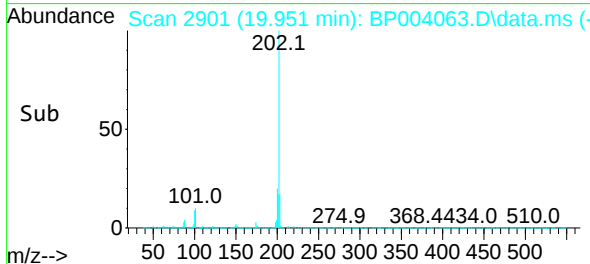
Instrument :  
BNA\_P  
ClientSampleId :  
340EM-STOCKPILE-WEST



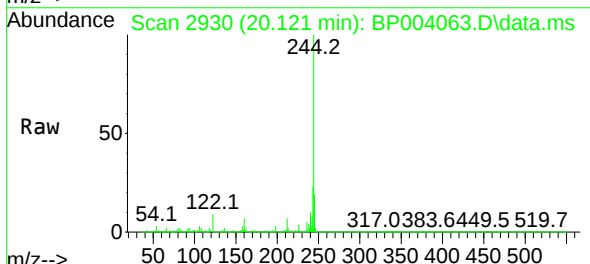
Tgt Ion:202 Resp: 549625  
Ion Ratio Lower Upper  
202 100  
200 20.0 17.1 25.7  
203 17.3 14.2 21.2

Manual Integrations  
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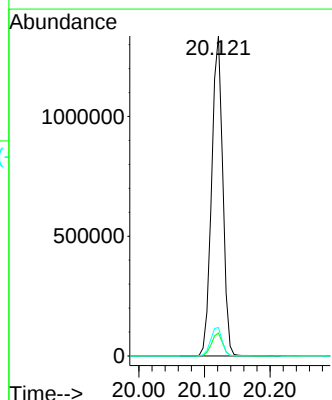
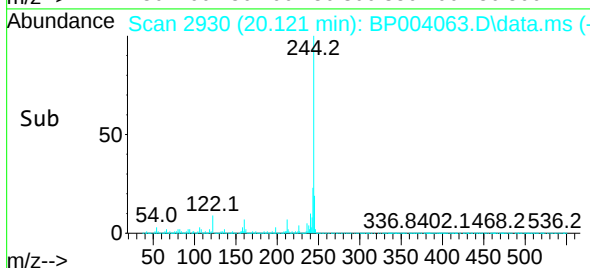
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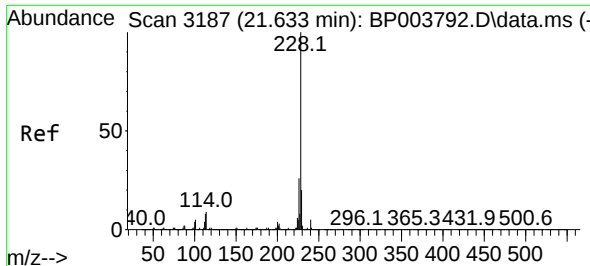


#79  
Terphenyl-d14  
Concen: 54.72 ng  
RT: 20.121 min Scan# 2930  
Delta R.T. -0.000 min  
Lab File: BP004063.D  
Acq: 23 Nov 2020 19:38



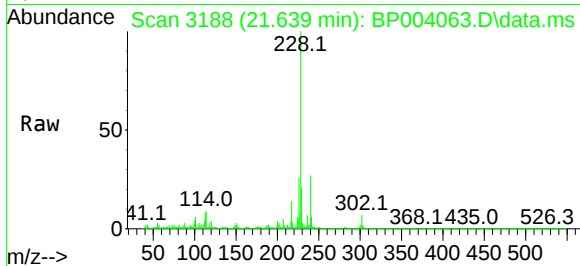
Tgt Ion:244 Resp: 1580461  
Ion Ratio Lower Upper  
244 100  
212 7.1 5.8 8.6  
122 8.9 7.8 11.8





#81  
Benzo(a)anthracene  
Concen: 7.68 ng  
RT: 21.639 min Scan# 3188  
Delta R.T. -0.006 min  
Lab File: BP004063.D  
Acq: 23 Nov 2020 19:38

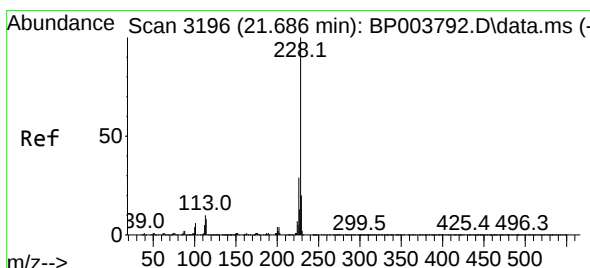
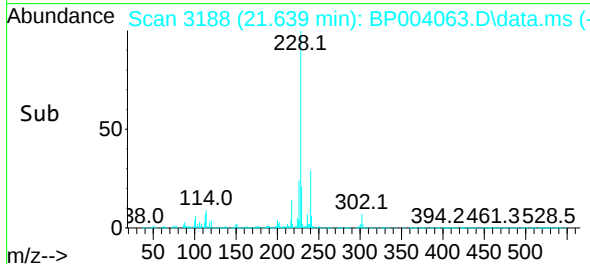
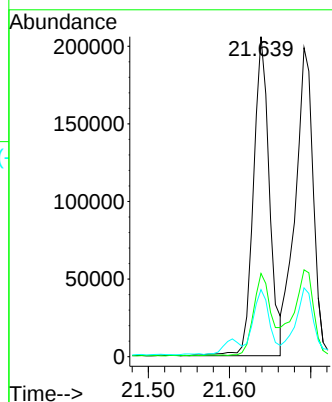
Instrument :  
BNA\_P  
ClientSampleId :  
340EM-STOCKPILE-WEST



Tgt Ion:228 Resp: 282473  
Ion Ratio Lower Upper  
228 100  
226 26.0 22.1 33.1  
229 20.9 15.9 23.9

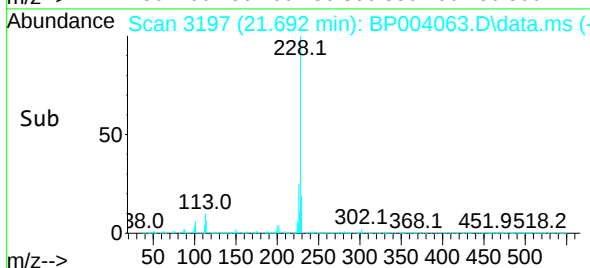
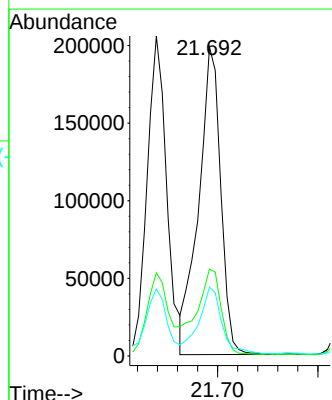
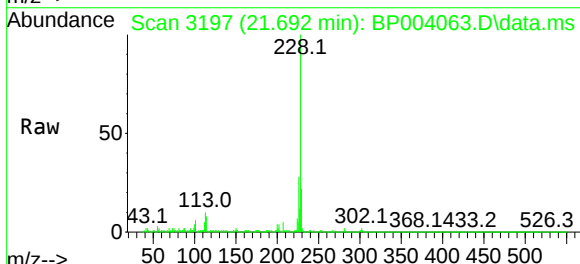
Manual Integrations  
APPROVED

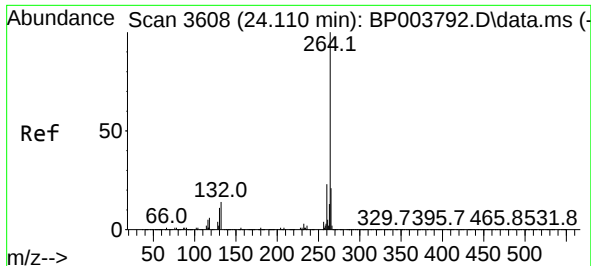
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#83  
Chrysene  
Concen: 8.59 ng  
RT: 21.692 min Scan# 3197  
Delta R.T. -0.006 min  
Lab File: BP004063.D  
Acq: 23 Nov 2020 19:38

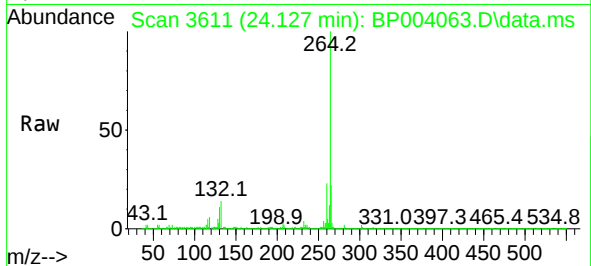
Tgt Ion:228 Resp: 303605  
Ion Ratio Lower Upper  
228 100  
226 28.1 24.4 36.6  
229 22.3 15.8 23.6





#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 24.127 min Scan# 3611  
Delta R.T. -0.000 min  
Lab File: BP004063.D  
Acq: 23 Nov 2020 19:38

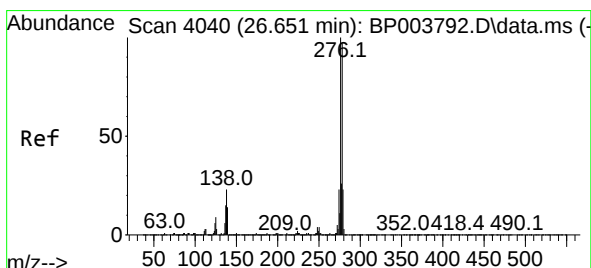
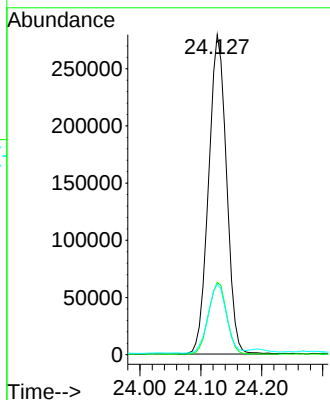
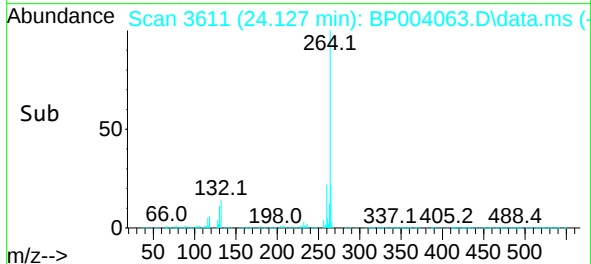
Instrument :  
BNA\_P  
ClientSampleId :  
340EM-STOCKPILE-WEST



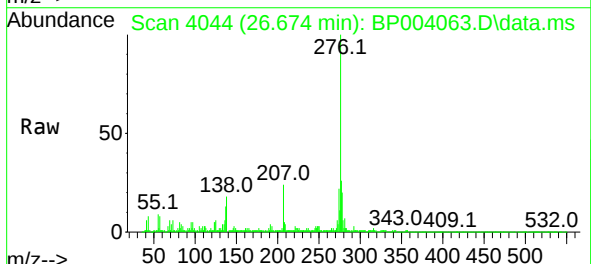
Tgt Ion:264 Resp: 570564  
Ion Ratio Lower Upper  
264 100  
260 22.6 18.8 28.2  
265 22.1 17.4 26.2

Manual Integrations  
APPROVED

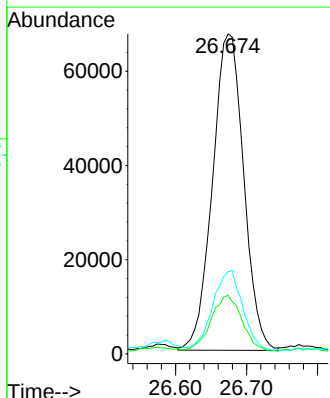
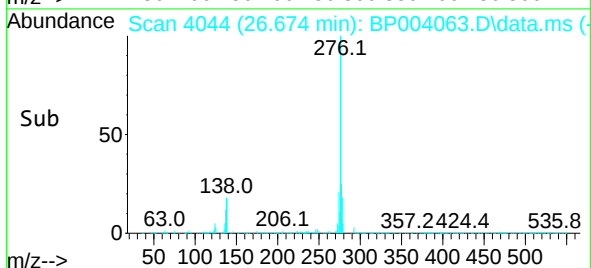
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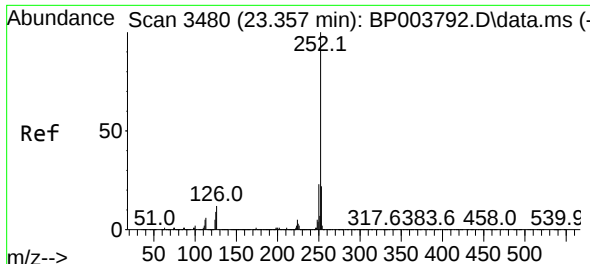


#87  
Indeno(1,2,3-cd)pyrene  
Concen: 4.96 ng  
RT: 26.674 min Scan# 4044  
Delta R.T. -0.018 min  
Lab File: BP004063.D  
Acq: 23 Nov 2020 19:38



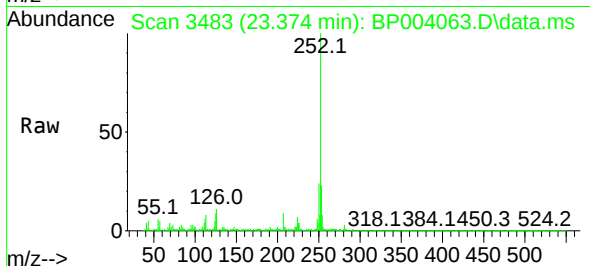
Tgt Ion:276 Resp: 204285  
Ion Ratio Lower Upper  
276 100  
138 17.7 18.7 28.1#  
277 24.5 20.4 30.6





#88  
Benzo(b)fluoranthene  
Concen: 11.44 ng m  
RT: 23.374 min Scan# 3483  
Delta R.T. -0.006 min  
Lab File: BP004063.D  
Acq: 23 Nov 2020 19:38

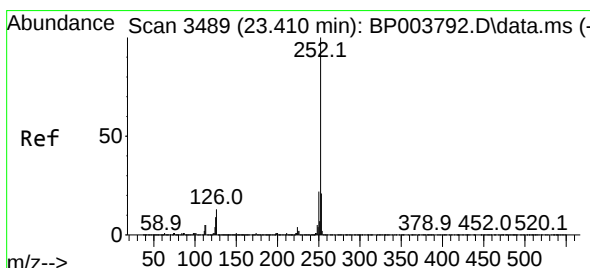
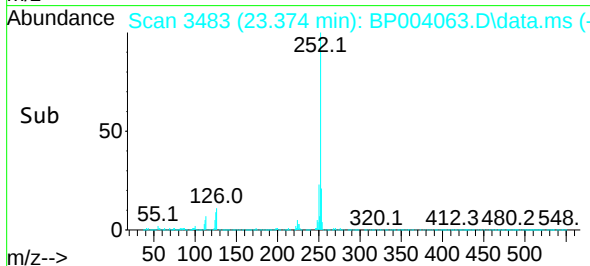
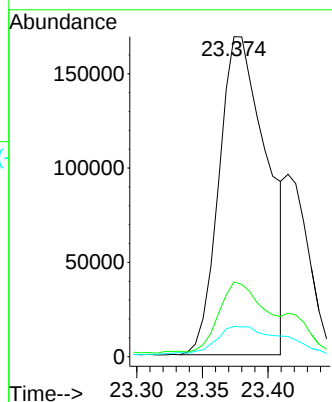
Instrument :  
BNA\_P  
ClientSampleId :  
340EM-STOCKPILE-WEST



Tgt Ion:252 Resp: 427207  
Ion Ratio Lower Upper  
252 100  
253 23.3 17.6 26.4  
125 9.5 7.3 10.9

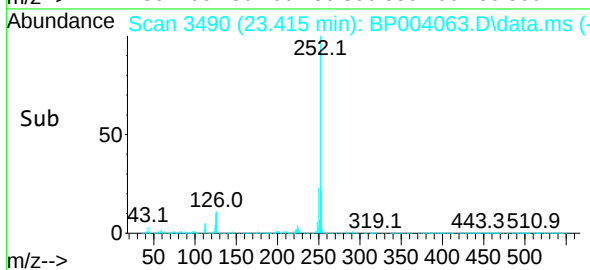
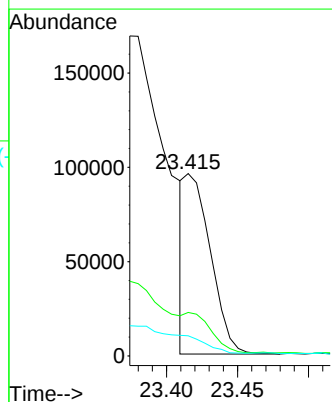
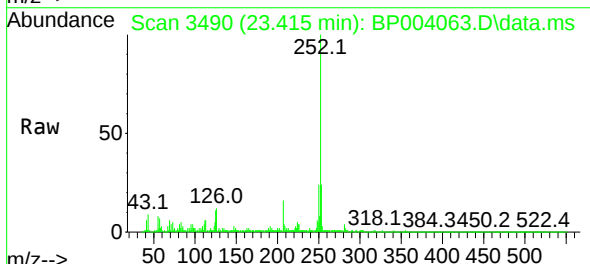
Manual Integrations  
APPROVED

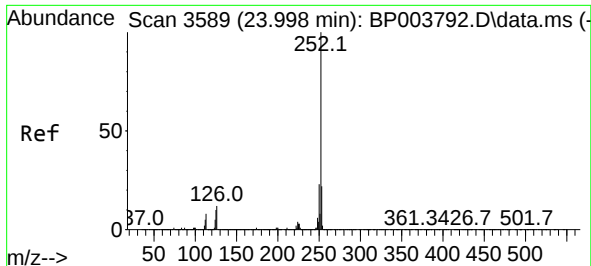
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#89  
Benzo(k)fluoranthene  
Concen: 3.26 ng m  
RT: 23.415 min Scan# 3490  
Delta R.T. -0.012 min  
Lab File: BP004063.D  
Acq: 23 Nov 2020 19:38

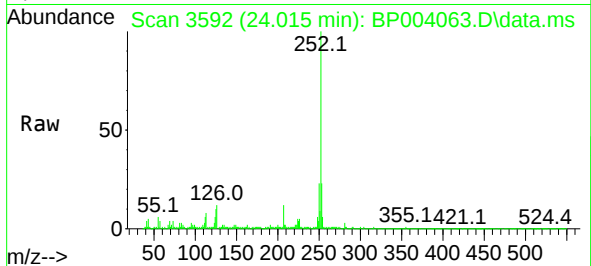
Tgt Ion:252 Resp: 120156  
Ion Ratio Lower Upper  
252 100  
253 23.8 17.8 26.8  
125 11.0 7.4 11.2





#90  
Benzo(a)pyrene  
Concen: 7.95 ng  
RT: 24.015 min Scan# 3592  
Delta R.T. -0.006 min  
Lab File: BP004063.D  
Acq: 23 Nov 2020 19:38

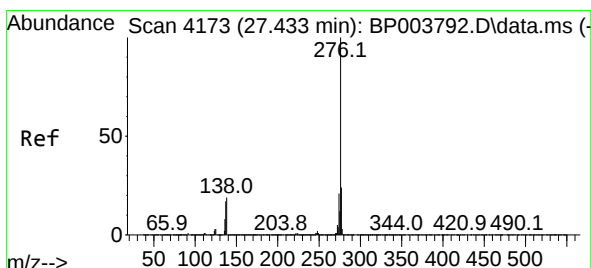
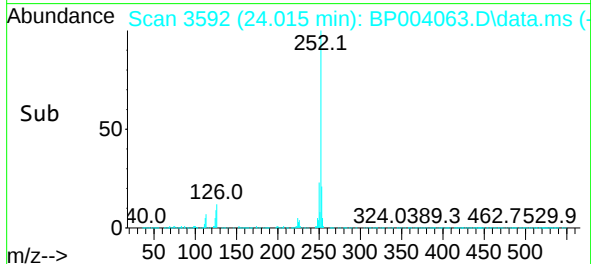
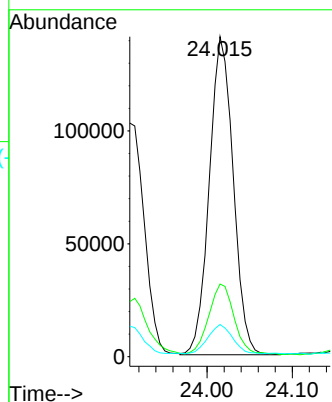
Instrument :  
BNA\_P  
ClientSampleId :  
340EM-STOCKPILE-WEST



Tgt Ion:252 Resp: 274769  
Ion Ratio Lower Upper  
252 100  
253 22.7 17.4 26.0  
125 10.0 8.2 12.4

Manual Integrations  
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#92  
Benzo(g,h,i)perylene  
Concen: 6.13 ng  
RT: 27.462 min Scan# 4178  
Delta R.T. -0.018 min  
Lab File: BP004063.D  
Acq: 23 Nov 2020 19:38

Tgt Ion:276 Resp: 203725  
Ion Ratio Lower Upper  
276 100  
277 25.2 19.0 28.6  
138 17.9 16.6 24.8

