

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP070821\  
 Data File : BP006150.D  
 Acq On : 08 Jul 2021 20:59  
 Operator : CG/JU  
 Sample : M2965-01  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 RO-ETGI-345

Manual Integrations  
 APPROVED

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 7/9/2021 2:46:03 PM

Quant Time: Jul 09 04:30:30 2021  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP070721.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jul 07 16:08:13 2021  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|--------|------|----------|--------|-------|----------|
| -----                       |        |      |          |        |       |          |
| Internal Standards          |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.875  | 152  | 220048   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.681 | 136  | 843635   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.510 | 164  | 473958   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.263 | 188  | 849832   | 20.000 | ng    | # 0.00   |
| 76) Chrysene-d12            | 21.345 | 240  | 816138   | 20.000 | ng    | # 0.00   |
| 86) Perylene-d12            | 23.733 | 264  | 943105   | 20.000 | ng    | 0.00     |
|                             |        |      |          |        |       |          |
| System Monitoring Compounds |        |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.452  | 112  | 1110015  | 86.796 | ng    | 0.00     |
| 7) Phenol-d6                | 7.063  | 99   | 1322892  | 78.204 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.046  | 82   | 758120   | 56.762 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 16.010 | 330  | 456993   | 80.987 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.134 | 172  | 1769329  | 55.188 | ng    | 0.00     |
| 79) Terphenyl-d14           | 19.816 | 244  | 2127029  | 51.385 | ng    | 0.00     |
|                             |        |      |          |        |       |          |
| Target Compounds            |        |      |          |        |       | Qvalue   |
| 49) Acenaphthylene          | 14.234 | 152  | 184807   | 4.193  | ng    | 99       |
| 71) Phenanthrene            | 17.304 | 178  | 231039   | 4.814  | ng    | # 95     |
| 72) Anthracene              | 17.398 | 178  | 105507   | 2.244  | ng    | # 92     |
| 75) Fluoranthene            | 19.275 | 202  | 900631   | 17.121 | ng    | 96       |
| 78) Pyrene                  | 19.622 | 202  | 1385409  | 25.115 | ng    | 98       |
| 81) Benzo(a)anthracene      | 21.327 | 228  | 623702   | 12.083 | ng    | 96       |
| 83) Chrysene                | 21.380 | 228  | 568024   | 11.135 | ng    | 97       |
| 87) Indeno(1,2,3-cd)pyrene  | 26.245 | 276  | 587284   | 8.446  | ng    | # 92     |
| 88) Benzo(b)fluoranthene    | 23.004 | 252  | 856018   | 14.963 | ng    | # 94     |
| 89) Benzo(k)fluoranthene    | 23.045 | 252  | 244705m  | 4.376  | ng    |          |
| 90) Benzo(a)pyrene          | 23.627 | 252  | 695247   | 12.951 | ng    | # 94     |
| 91) Dibenzo(a,h)anthracene  | 26.251 | 278  | 130361   | 2.177  | ng    | # 77     |
| 92) Benzo(g,h,i)perylene    | 27.027 | 276  | 778682   | 13.215 | ng    | # 89     |
| -----                       |        |      |          |        |       |          |

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

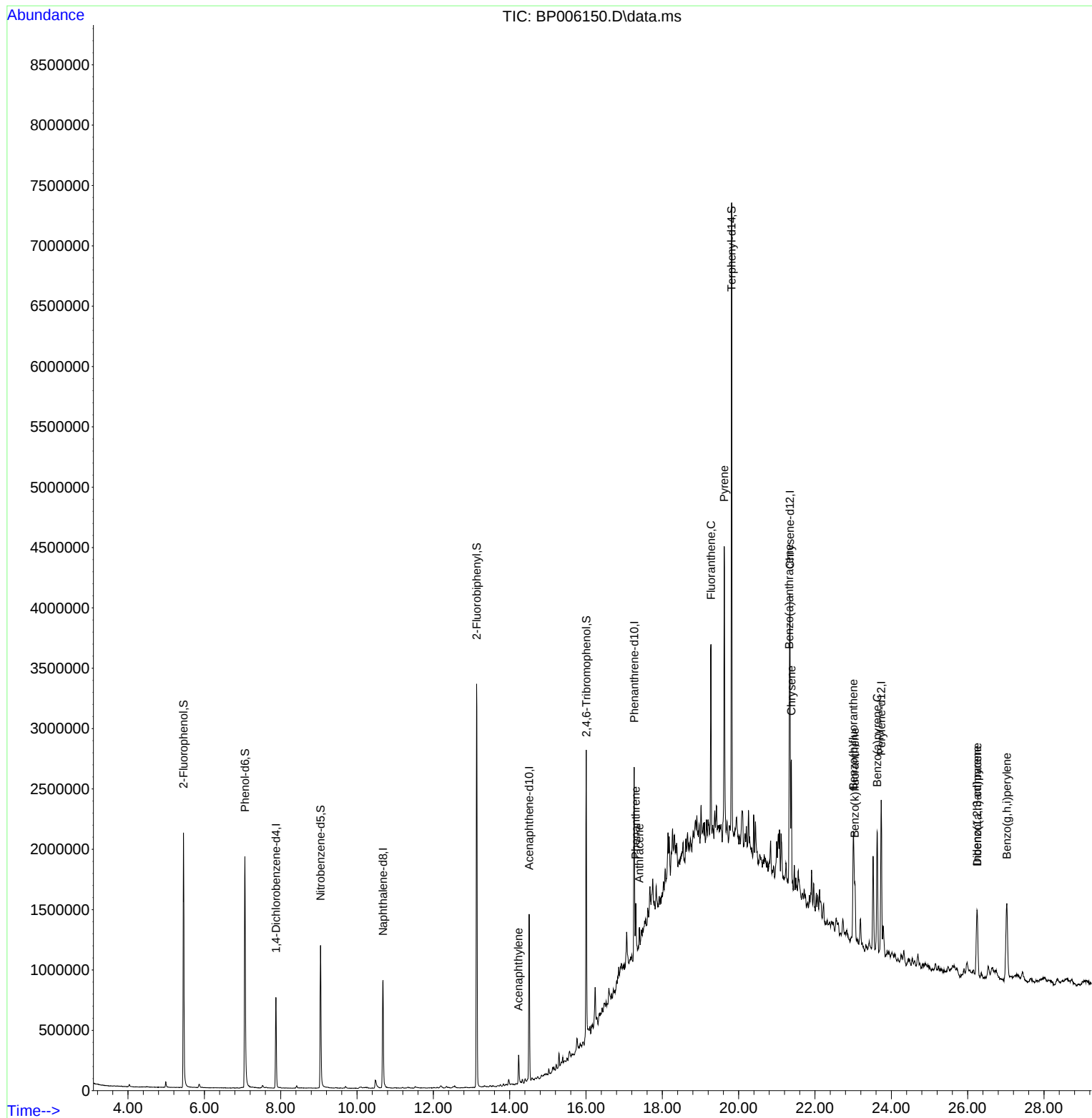
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP070821\  
Data File : BP006150.D  
Acq On : 08 Jul 2021 20:59  
Operator : CG/JU  
Sample : M2965-01  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

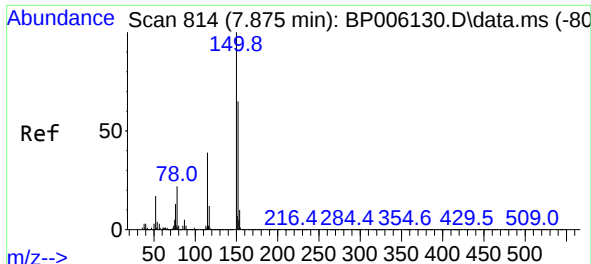
Instrument :  
BNA\_P  
ClientSampleId :  
RO-ETGI-345

Manual Integrations  
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Quant Time: Jul 09 04:30:30 2021  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP070721.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Jul 07 16:08:13 2021  
Response via : Initial Calibration





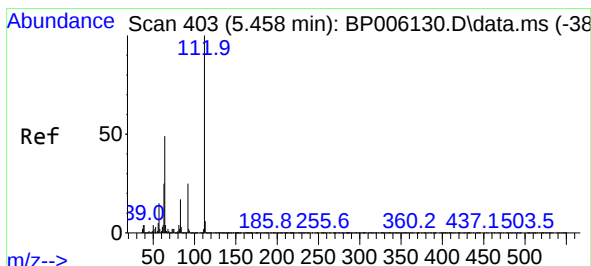
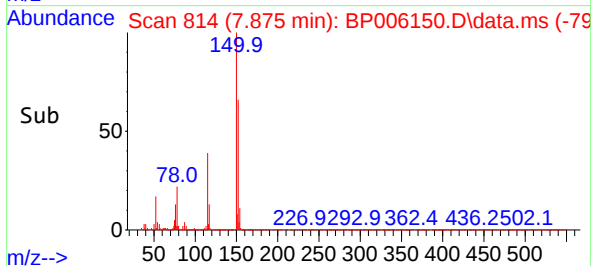
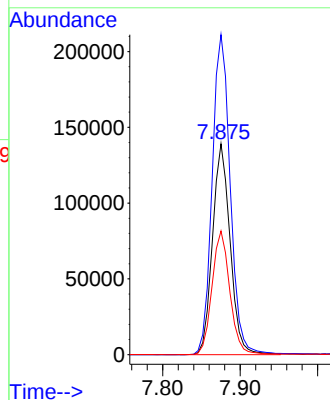
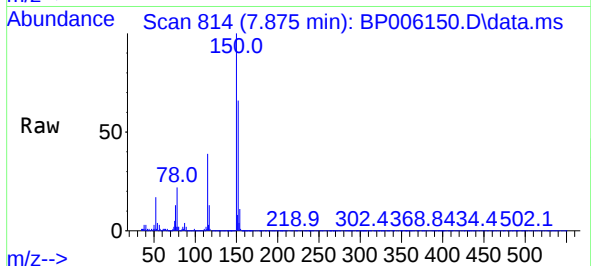
#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.875 min Scan# 814  
Delta R.T. 0.000 min  
Lab File: BP006150.D  
Acq: 08 Jul 2021 20:59

Tgt Ion:152 Resp: 220048  
Ion Ratio Lower Upper  
152 100  
150 151.7 125.6 188.4  
115 58.6 48.5 72.7

Instrument :  
BNA\_P  
ClientSampleId :  
RO-ETGI-345

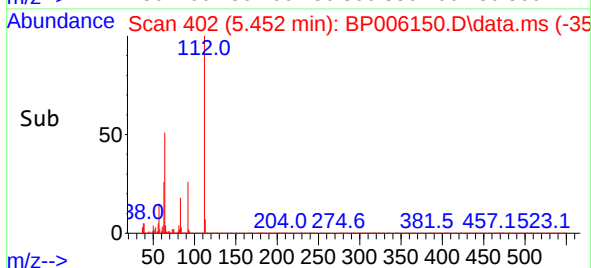
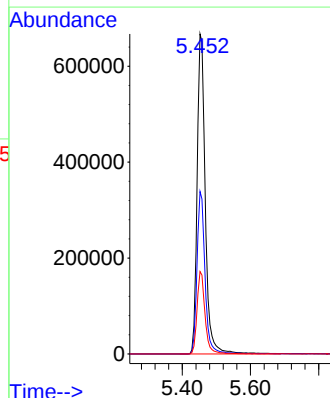
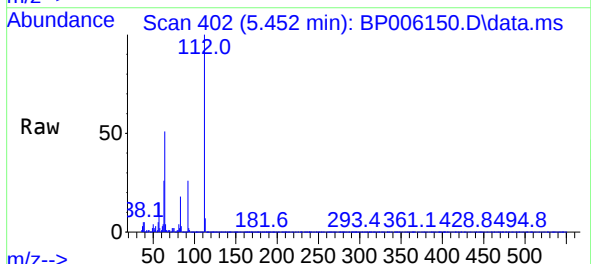
Manual Integrations  
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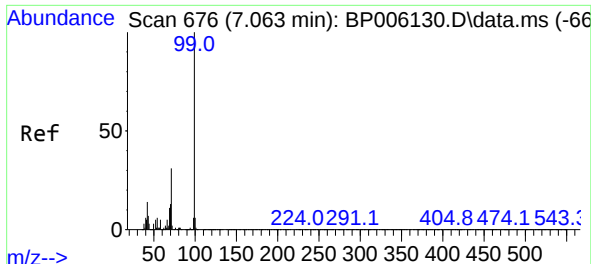
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#5  
2-Fluorophenol  
Concen: 86.796 ng  
RT: 5.452 min Scan# 402  
Delta R.T. -0.006 min  
Lab File: BP006150.D  
Acq: 08 Jul 2021 20:59

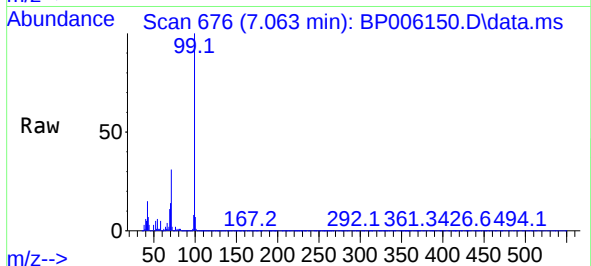
Tgt Ion:112 Resp: 1110015  
Ion Ratio Lower Upper  
112 100  
64 50.7 41.4 62.2  
63 25.8 23.8 35.8





#7  
Phenol-d6  
Concen: 78.204 ng  
RT: 7.063 min Scan# 676  
Delta R.T. 0.000 min  
Lab File: BP006150.D  
Acq: 08 Jul 2021 20:59

Instrument :  
BNA\_P  
ClientSampleId :  
RO-ETGI-345

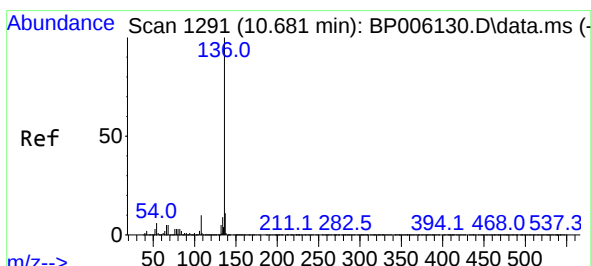
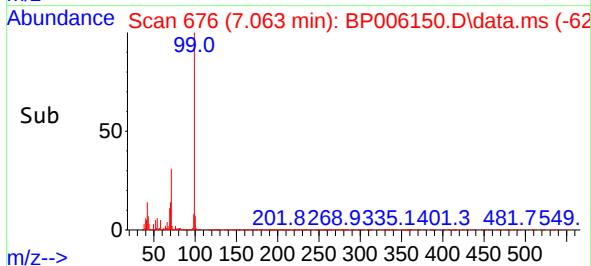
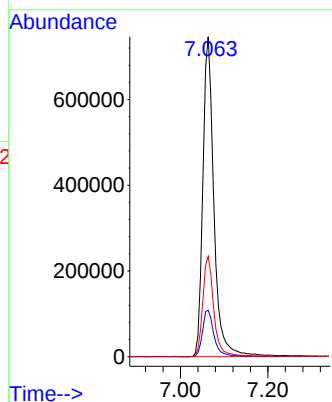


Tgt Ion: 99 Resp: 1322892

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 14.5  | 13.4  | 20.0  |
| 71  | 31.4  | 30.6  | 46.0  |

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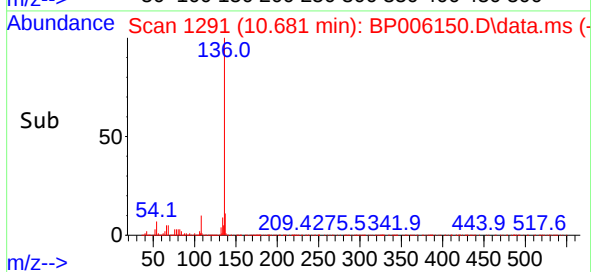
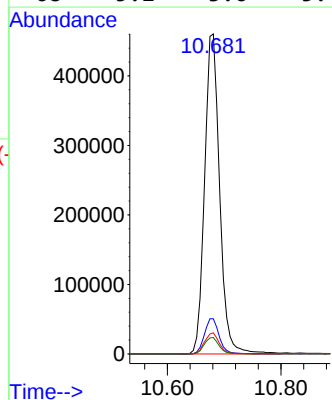
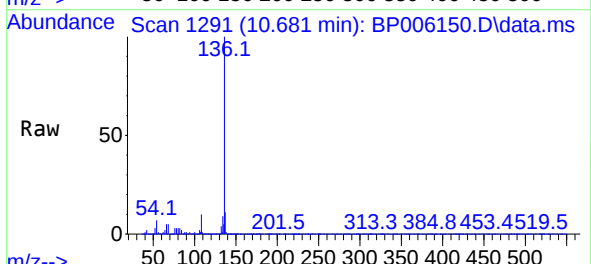
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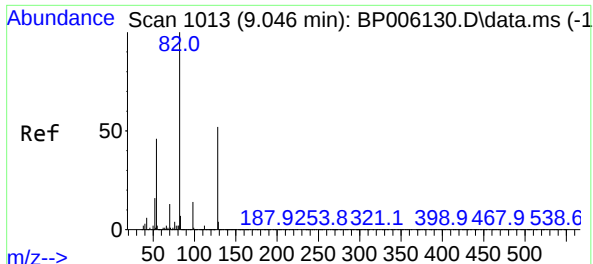


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.681 min Scan# 1291  
Delta R.T. -0.000 min  
Lab File: BP006150.D  
Acq: 08 Jul 2021 20:59

Tgt Ion: 136 Resp: 843635

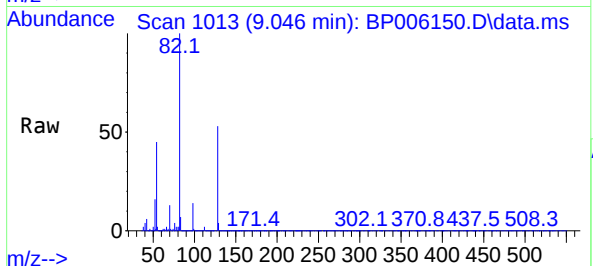
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 11.0  | 8.6   | 12.8  |
| 54  | 6.6   | 4.6   | 6.8   |
| 68  | 5.2   | 3.6   | 5.4   |





#23  
Nitrobenzene-d5  
Concen: 56.762 ng  
RT: 9.046 min Scan# 1013  
Delta R.T. 0.000 min  
Lab File: BP006150.D  
Acq: 08 Jul 2021 20:59

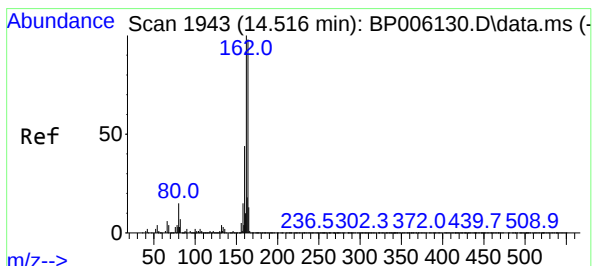
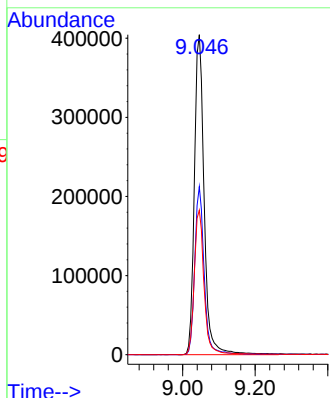
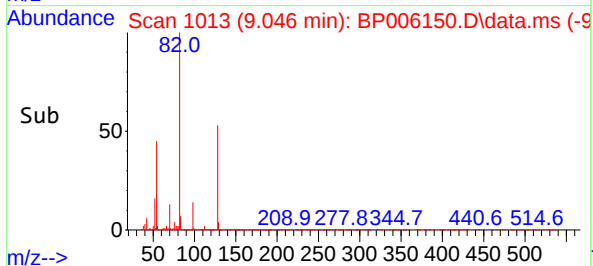
Instrument :  
BNA\_P  
ClientSampleId :  
RO-ETGI-345



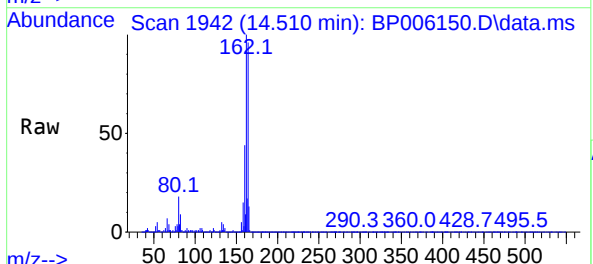
Tgt Ion: 82 Resp: 758120  
Ion Ratio Lower Upper  
82 100  
128 52.5 35.7 53.5  
54 45.2 35.0 52.4

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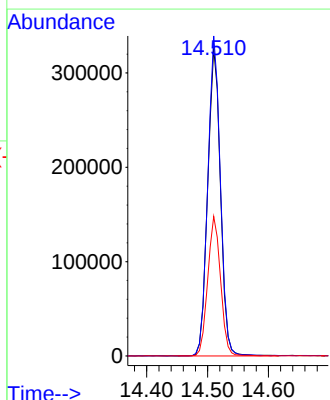
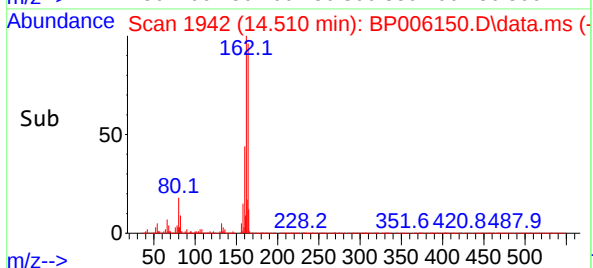
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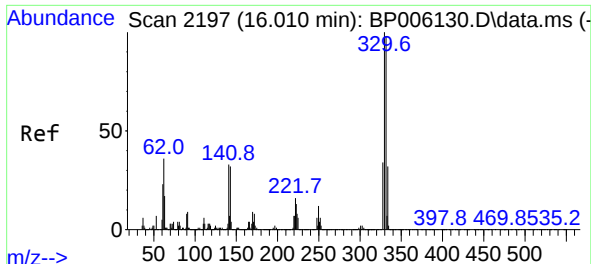


#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.510 min Scan# 1942  
Delta R.T. -0.006 min  
Lab File: BP006150.D  
Acq: 08 Jul 2021 20:59



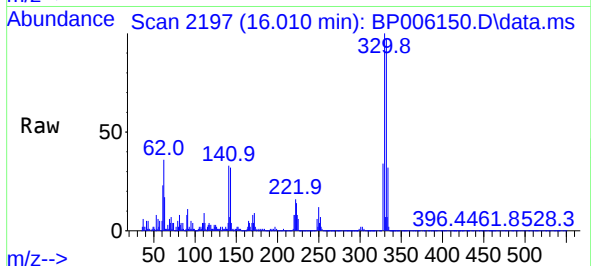
Tgt Ion: 164 Resp: 473958  
Ion Ratio Lower Upper  
164 100  
162 104.0 80.2 120.2  
160 45.4 34.5 51.7





#42  
2,4,6-Tribromophenol  
Concen: 80.987 ng  
RT: 16.010 min Scan# 2197  
Delta R.T. 0.000 min  
Lab File: BP006150.D  
Acq: 08 Jul 2021 20:59

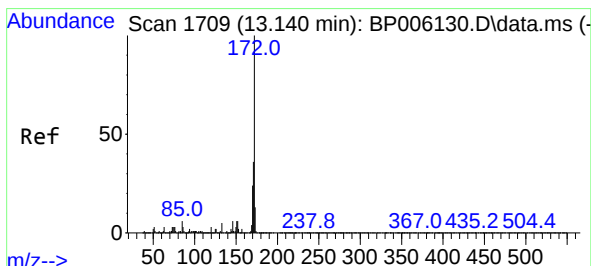
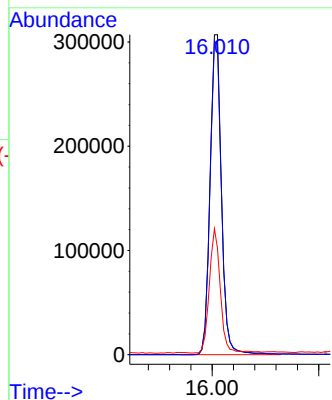
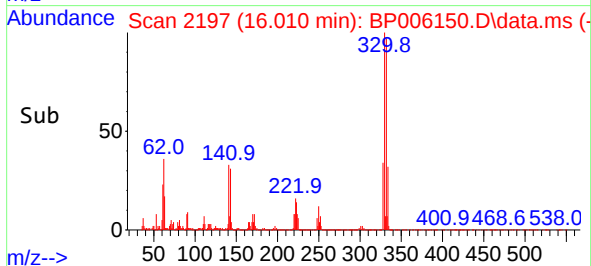
Instrument :  
BNA\_P  
ClientSampleId :  
RO-ETGI-345



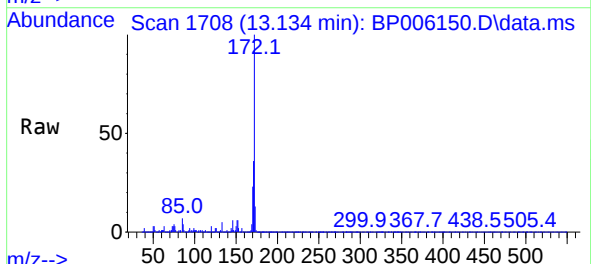
Tgt Ion:330 Resp: 456993  
Ion Ratio Lower Upper  
330 100  
332 97.0 77.8 116.8  
141 37.5 25.4 38.2

Manual Integrations  
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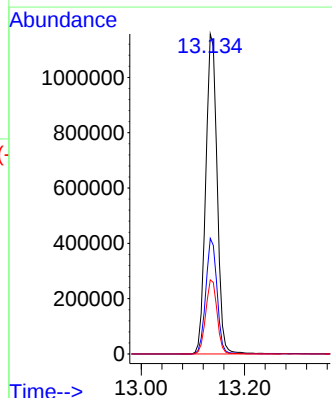
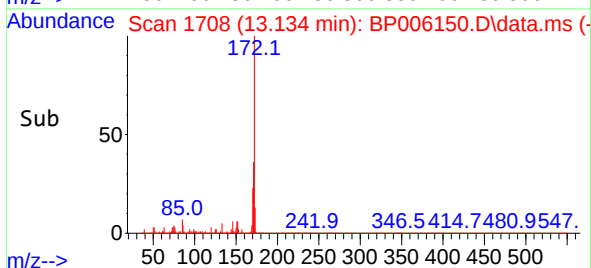
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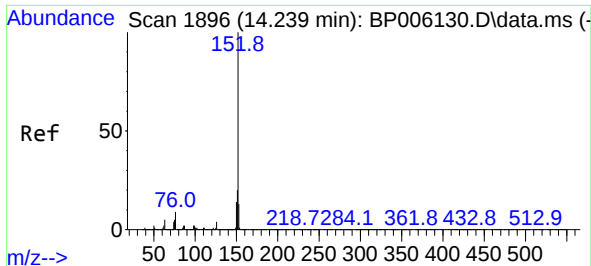


#45  
2-Fluorobiphenyl  
Concen: 55.188 ng  
RT: 13.134 min Scan# 1708  
Delta R.T. -0.006 min  
Lab File: BP006150.D  
Acq: 08 Jul 2021 20:59



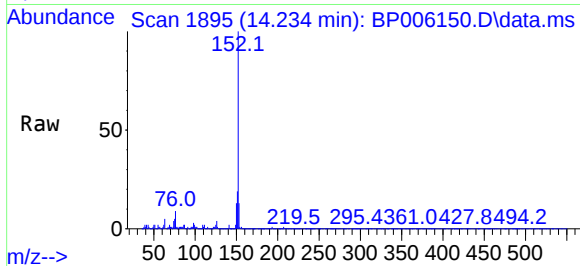
Tgt Ion:172 Resp: 1769329  
Ion Ratio Lower Upper  
172 100  
171 36.1 27.9 41.9  
170 23.2 18.6 27.8





#49  
Acenaphthylene  
Concen: 4.193 ng  
RT: 14.234 min Scan# 1895  
Delta R.T. -0.006 min  
Lab File: BP006150.D  
Acq: 08 Jul 2021 20:59

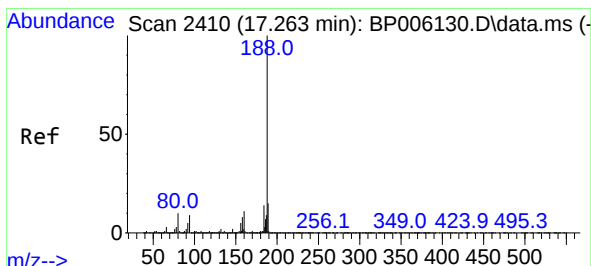
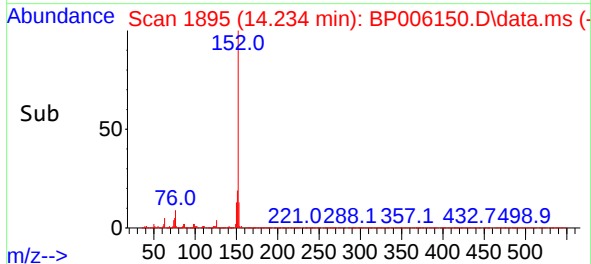
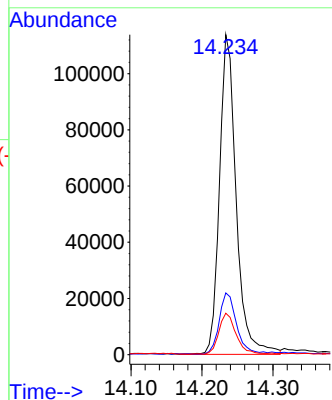
Instrument :  
BNA\_P  
ClientSampleId :  
RO-ETGI-345



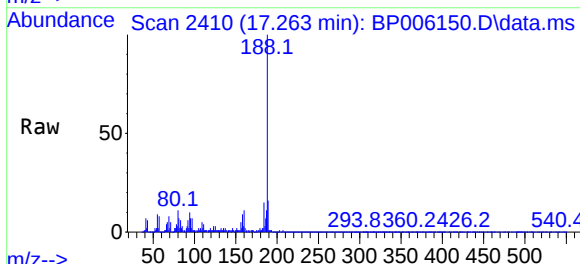
Tgt Ion:152 Resp: 184807  
Ion Ratio Lower Upper  
152 100  
151 19.3 16.2 24.2  
153 13.0 10.6 16.0

Manual Integrations  
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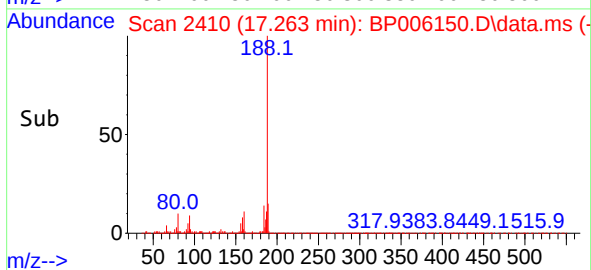
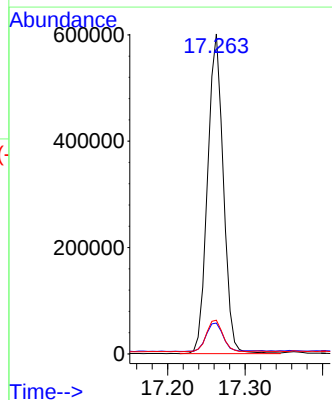
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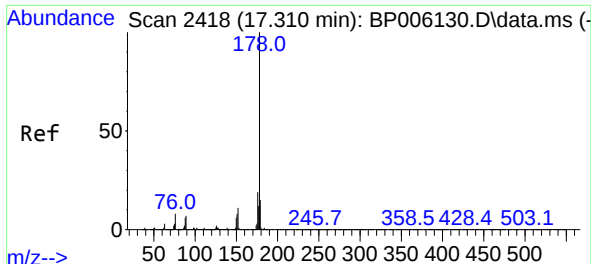


#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.263 min Scan# 2410  
Delta R.T. -0.000 min  
Lab File: BP006150.D  
Acq: 08 Jul 2021 20:59



Tgt Ion:188 Resp: 849832  
Ion Ratio Lower Upper  
188 100  
94 9.7 5.6 8.4#  
80 10.6 6.3 9.5#





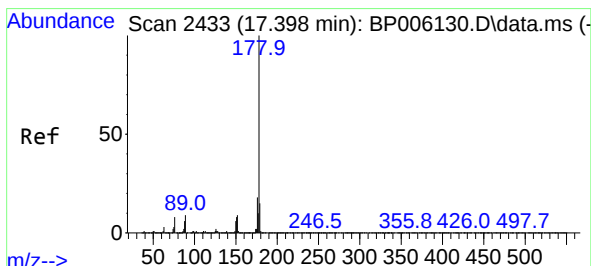
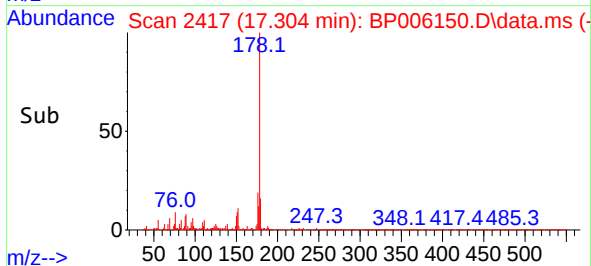
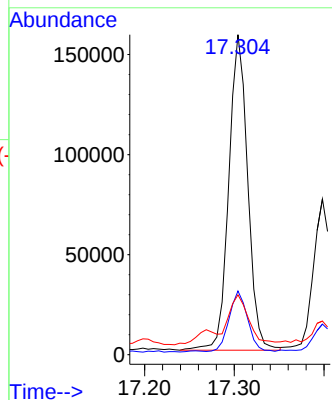
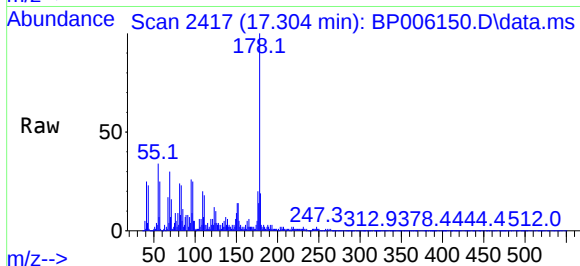
#71  
Phenanthrene  
Concen: 4.814 ng  
RT: 17.304 min Scan# 2417  
Delta R.T. -0.006 min  
Lab File: BP006150.D  
Acq: 08 Jul 2021 20:59

Tgt Ion:178 Resp: 231039  
Ion Ratio Lower Upper  
178 100  
176 19.9 15.1 22.7  
179 18.7 12.4 18.6#

Instrument :  
BNA\_P  
ClientSampleId :  
RO-ETGI-345

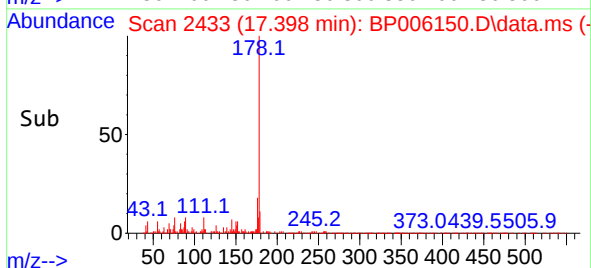
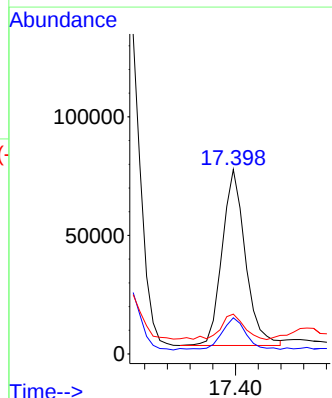
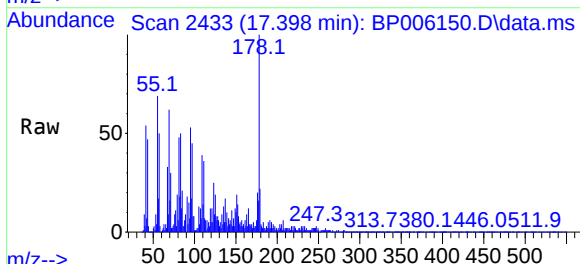
Manual Integrations  
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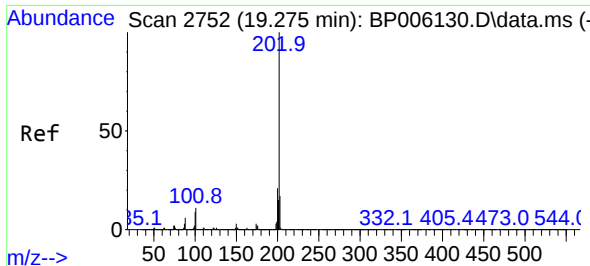
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#72  
Anthracene  
Concen: 2.244 ng  
RT: 17.398 min Scan# 2433  
Delta R.T. 0.000 min  
Lab File: BP006150.D  
Acq: 08 Jul 2021 20:59

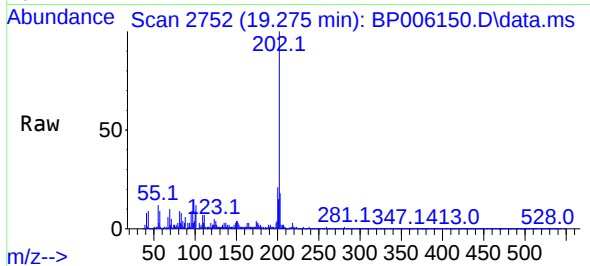
Tgt Ion:178 Resp: 105507  
Ion Ratio Lower Upper  
178 100  
176 19.6 14.9 22.3  
179 21.6 12.2 18.2#





#75  
Fluoranthene  
Concen: 17.121 ng  
RT: 19.275 min Scan# 2752  
Delta R.T. 0.000 min  
Lab File: BP006150.D  
Acq: 08 Jul 2021 20:59

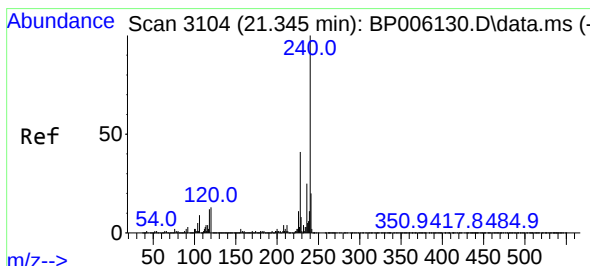
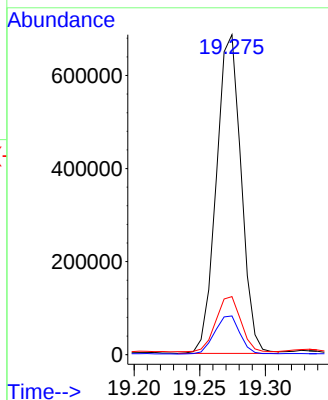
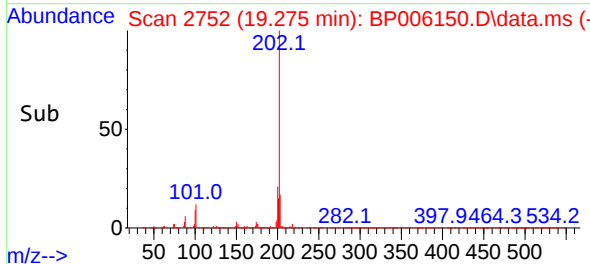
Instrument :  
BNA\_P  
ClientSampleId :  
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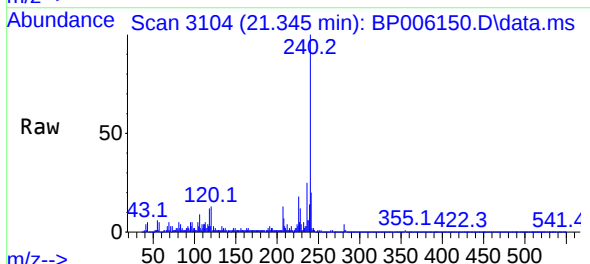
Tgt Ion:202 Resp: 900631  
Ion Ratio Lower Upper  
202 100  
101 12.1 0.0 27.6  
203 18.2 0.0 37.8

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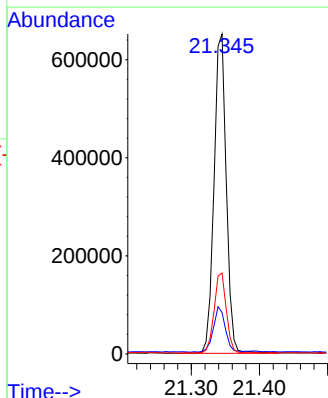
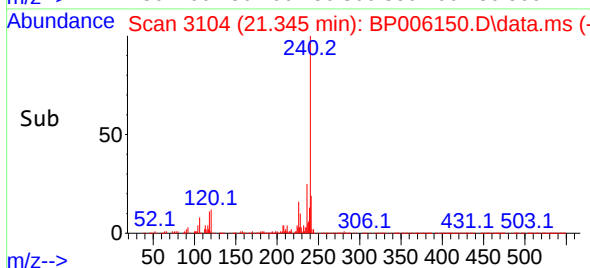
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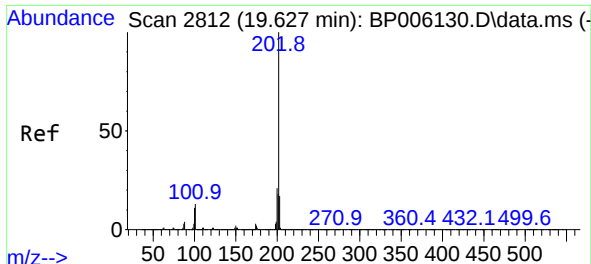


#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.345 min Scan# 3104  
Delta R.T. 0.000 min  
Lab File: BP006150.D  
Acq: 08 Jul 2021 20:59



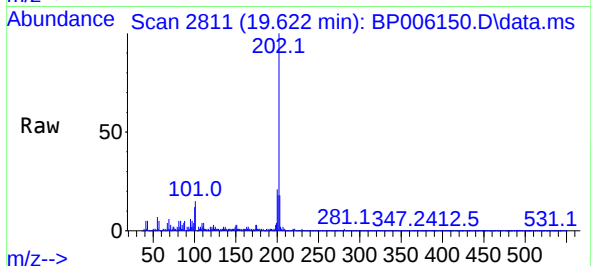
Tgt Ion:240 Resp: 816138  
Ion Ratio Lower Upper  
240 100  
120 13.0 6.5 9.7#  
236 25.3 20.6 31.0





#78  
Pyrene  
Concen: 25.115 ng  
RT: 19.622 min Scan# 2811  
Delta R.T. -0.006 min  
Lab File: BP006150.D  
Acq: 08 Jul 2021 20:59

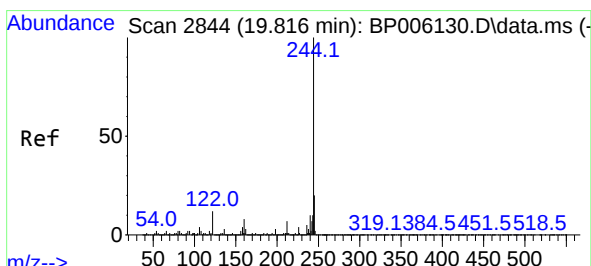
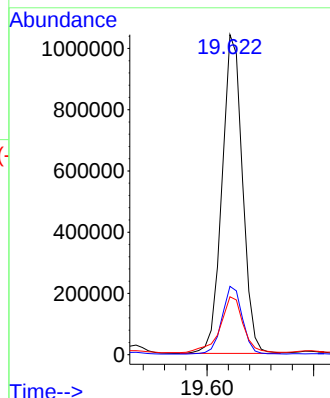
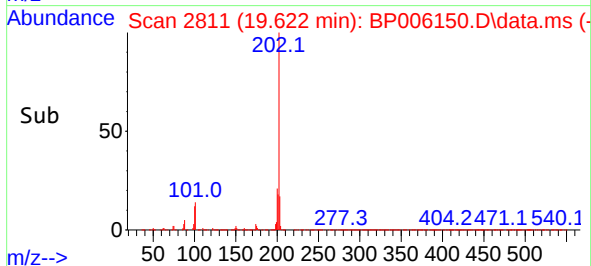
Instrument :  
BNA\_P  
ClientSampleId :  
RO-ETGI-345



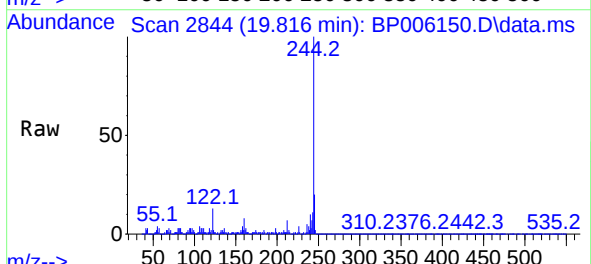
Tgt Ion:202 Resp: 1385409  
Ion Ratio Lower Upper  
202 100  
200 21.3 16.3 24.5  
203 18.1 14.2 21.2

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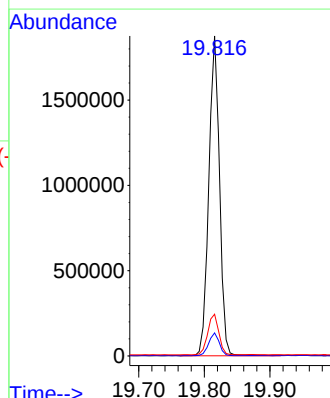
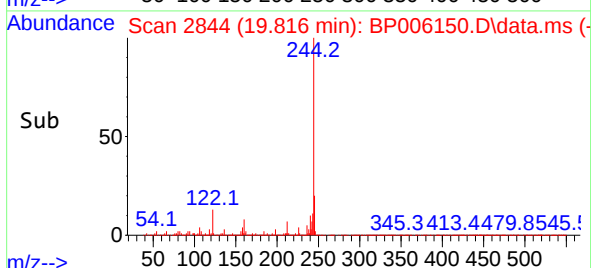
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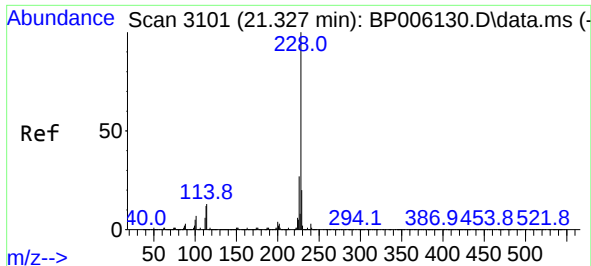


#79  
Terphenyl-d14  
Concen: 51.385 ng  
RT: 19.816 min Scan# 2844  
Delta R.T. 0.000 min  
Lab File: BP006150.D  
Acq: 08 Jul 2021 20:59



Tgt Ion:244 Resp: 2127029  
Ion Ratio Lower Upper  
244 100  
212 7.2 6.0 9.0  
122 13.1 7.1 10.7#





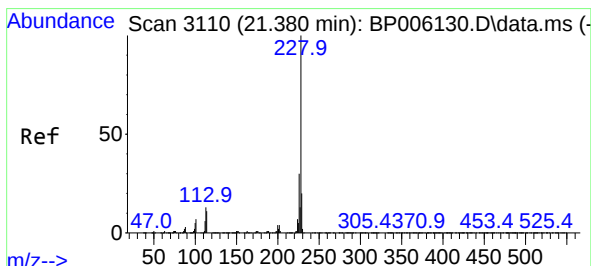
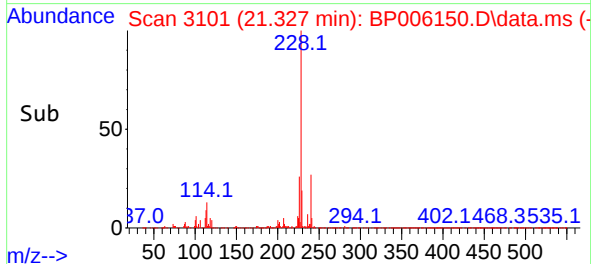
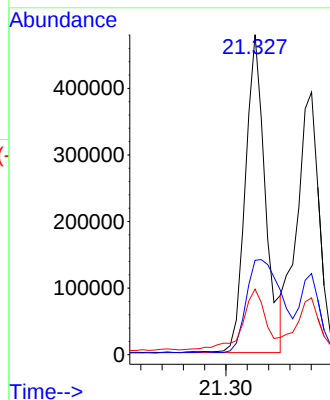
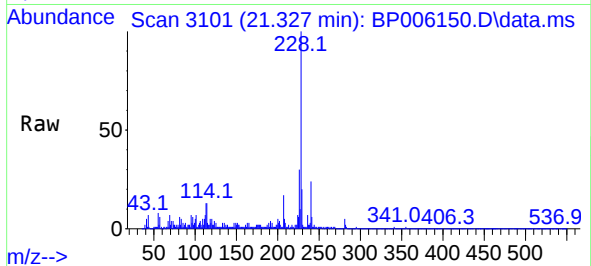
#81  
Benzo(a)anthracene  
Concen: 12.083 ng  
RT: 21.327 min Scan# 3101  
Delta R.T. 0.000 min  
Lab File: BP006150.D  
Acq: 08 Jul 2021 20:59

Tgt Ion:228 Resp: 623702  
Ion Ratio Lower Upper  
228 100  
226 29.5 21.6 32.4  
229 20.5 15.8 23.6

Instrument :  
BNA\_P  
ClientSampleId :  
RO-ETGI-345

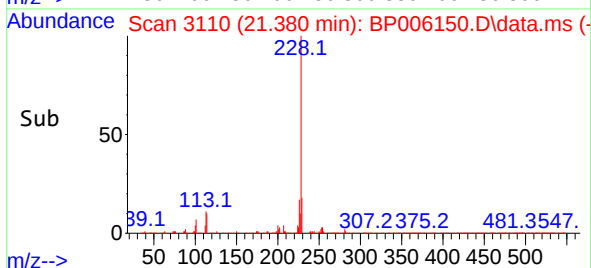
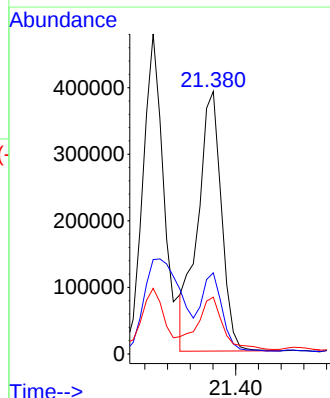
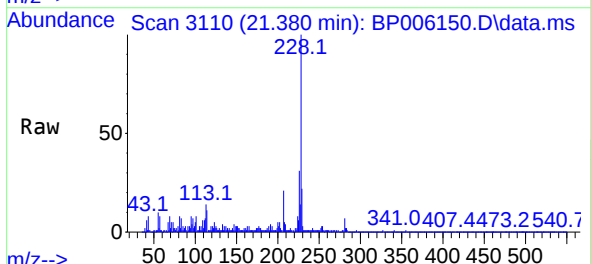
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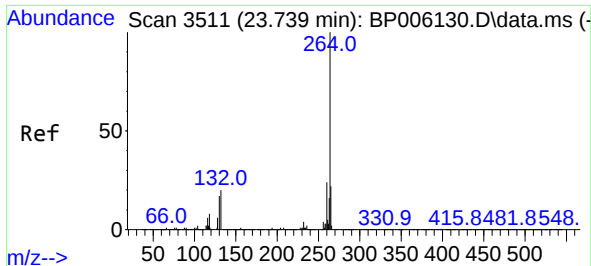
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#83  
Chrysene  
Concen: 11.135 ng  
RT: 21.380 min Scan# 3110  
Delta R.T. 0.000 min  
Lab File: BP006150.D  
Acq: 08 Jul 2021 20:59

Tgt Ion:228 Resp: 568024  
Ion Ratio Lower Upper  
228 100  
226 30.9 23.8 35.6  
229 21.7 15.4 23.2





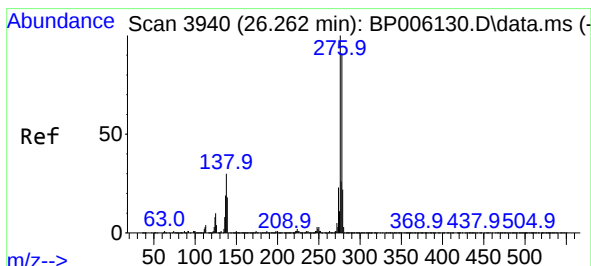
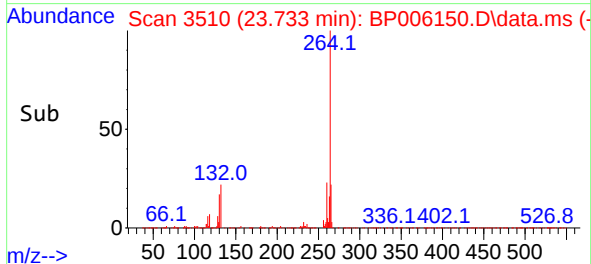
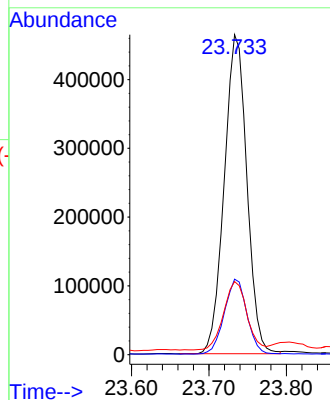
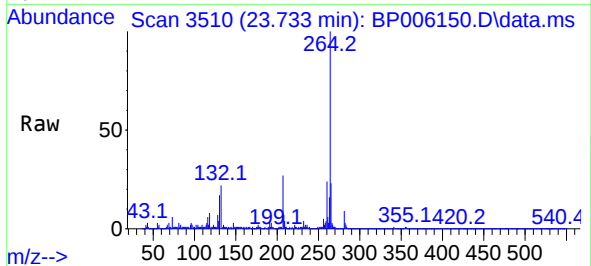
#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 23.733 min Scan# 3510  
Delta R.T. -0.006 min  
Lab File: BP006150.D  
Acq: 08 Jul 2021 20:59

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 264   | Resp: | 943105 |
| Ion Ratio | Lower | Upper |        |
| 264       | 100   |       |        |
| 260       | 23.6  | 18.6  | 28.0   |
| 265       | 22.8  | 17.6  | 26.4   |

Instrument :  
BNA\_P  
ClientSampleId :  
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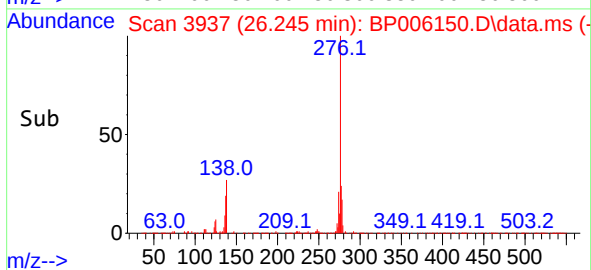
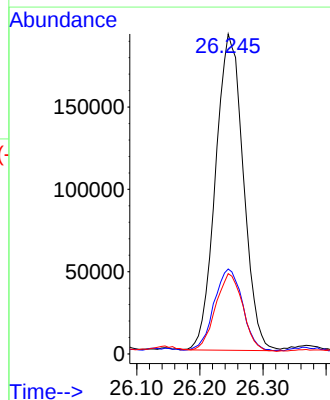
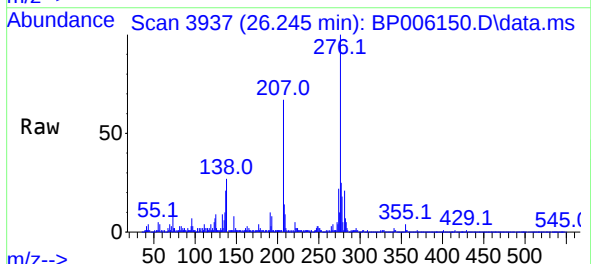
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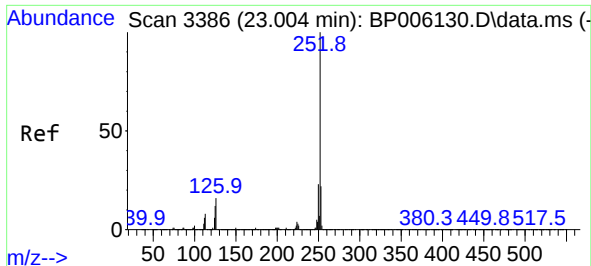
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#87  
Indeno(1,2,3-cd)pyrene  
Concen: 8.446 ng  
RT: 26.245 min Scan# 3937  
Delta R.T. -0.018 min  
Lab File: BP006150.D  
Acq: 08 Jul 2021 20:59

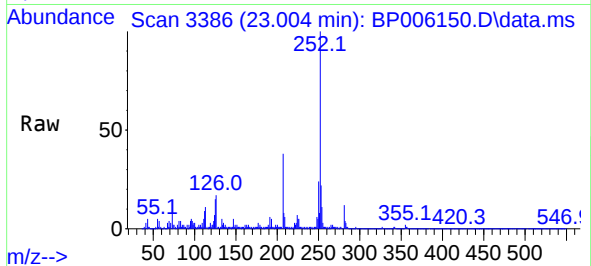
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 276   | Resp: | 587284 |
| Ion Ratio | Lower | Upper |        |
| 276       | 100   |       |        |
| 138       | 26.1  | 15.3  | 22.9   |
| 277       | 24.3  | 20.4  | 30.6   |





#88  
Benzo(b)fluoranthene  
Concen: 14.963 ng  
RT: 23.004 min Scan# 3386  
Delta R.T. 0.000 min  
Lab File: BP006150.D  
Acq: 08 Jul 2021 20:59

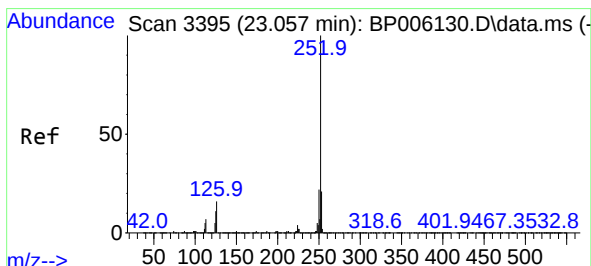
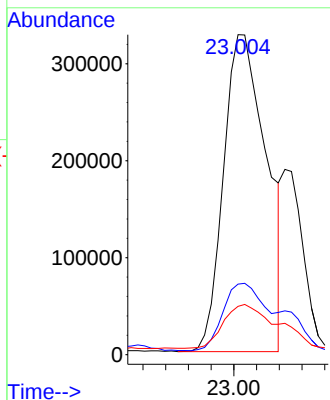
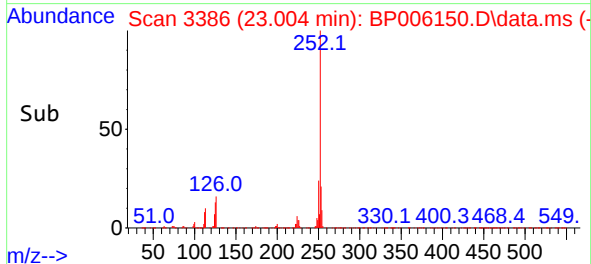
Instrument :  
BNA\_P  
ClientSampleId :  
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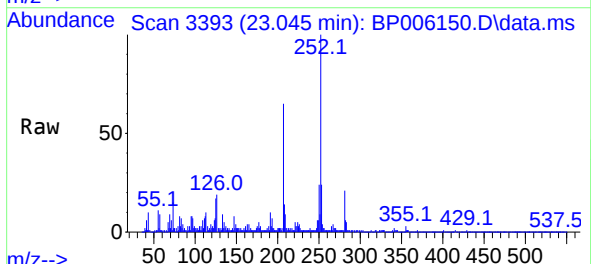
Tgt Ion:252 Resp: 856018  
Ion Ratio Lower Upper  
252 100  
253 22.0 17.5 26.3  
125 15.1 6.2 9.4#

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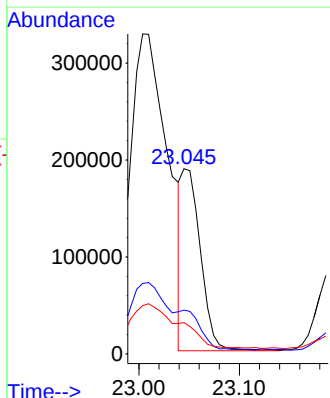
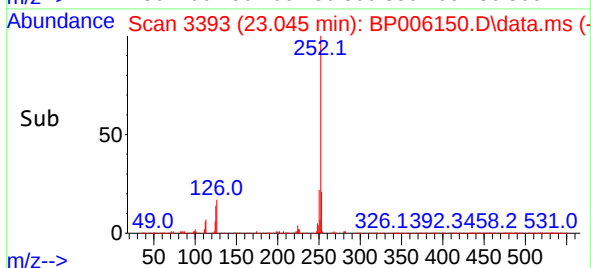
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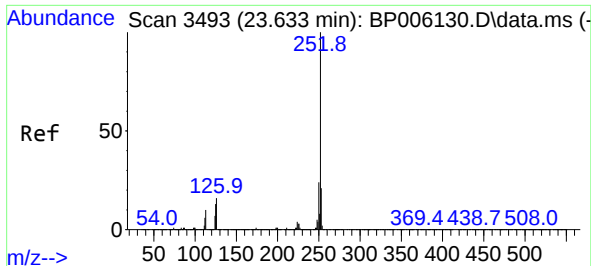


#89  
Benzo(k)fluoranthene  
Concen: 4.376 ng m  
RT: 23.045 min Scan# 3393  
Delta R.T. -0.012 min  
Lab File: BP006150.D  
Acq: 08 Jul 2021 20:59



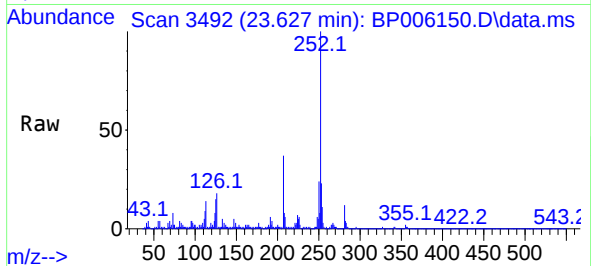
Tgt Ion:252 Resp: 244705  
Ion Ratio Lower Upper  
252 100  
253 23.7 17.6 26.4  
125 16.9 6.0 9.0#





#90  
Benzo(a)pyrene  
Concen: 12.951 ng  
RT: 23.627 min Scan# 3492  
Delta R.T. -0.006 min  
Lab File: BP006150.D  
Acq: 08 Jul 2021 20:59

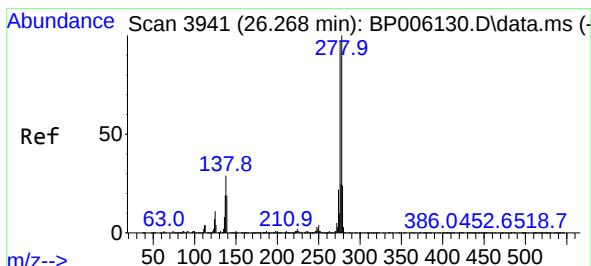
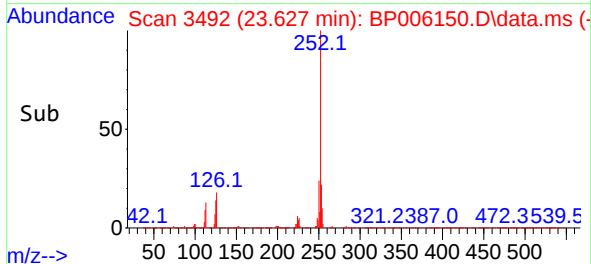
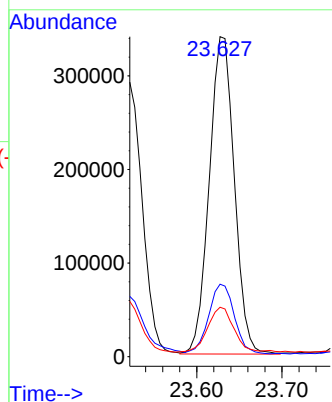
Instrument :  
BNA\_P  
ClientSampleId :  
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Tgt Ion:252 Resp: 695247  
Ion Ratio Lower Upper  
252 100  
253 22.7 17.9 26.9  
125 15.5 6.5 9.7#

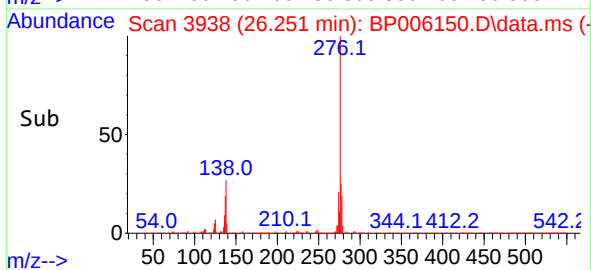
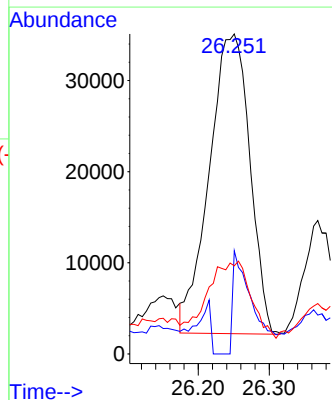
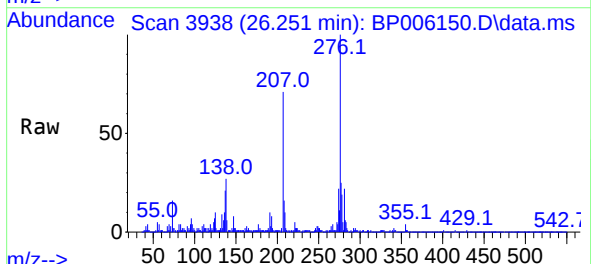
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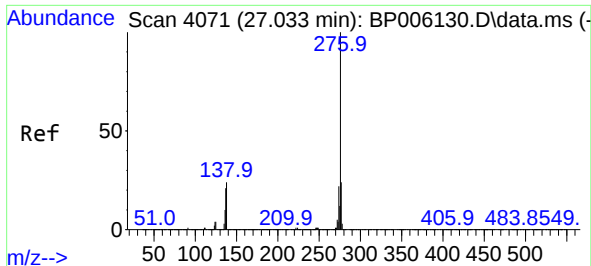
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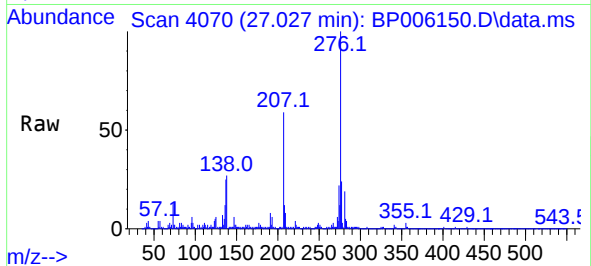
#91  
Dibenzo(a,h)anthracene  
Concen: 2.177 ng  
RT: 26.251 min Scan# 3938  
Delta R.T. -0.018 min  
Lab File: BP006150.D  
Acq: 08 Jul 2021 20:59

Tgt Ion:278 Resp: 130361  
Ion Ratio Lower Upper  
278 100  
139 32.3 9.3 13.9#  
279 27.5 18.8 28.2

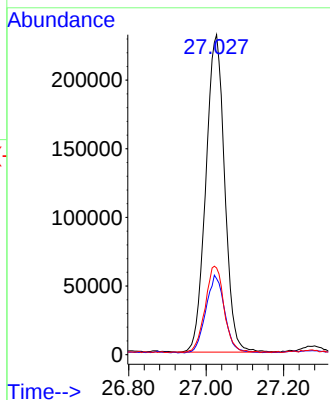
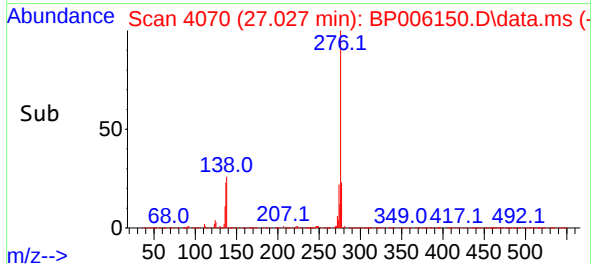




#92  
Benzo(g,h,i)perylene  
Concen: 13.215 ng  
RT: 27.027 min Scan# 4070  
Delta R.T. -0.006 min  
Lab File: BP006150.D  
Acq: 08 Jul 2021 20:59



Tgt Ion:276 Resp: 778682  
Ion Ratio Lower Upper  
276 100  
277 23.7 18.9 28.3  
138 27.1 12.6 18.8#



Instrument :  
BNA\_P  
ClientSampleId :  
RO-ETGI-345

Manual Integrations  
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