

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP111121\  
 Data File : BP007952.D  
 Acq On : 11 Nov 2021 18:56  
 Operator : CG/JU  
 Sample : M4630-09  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SB-13S-5.0

Quant Time: Nov 12 00:29:43 2021  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP110221.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Nov 11 13:53:53 2021  
 Response via : Initial Calibration

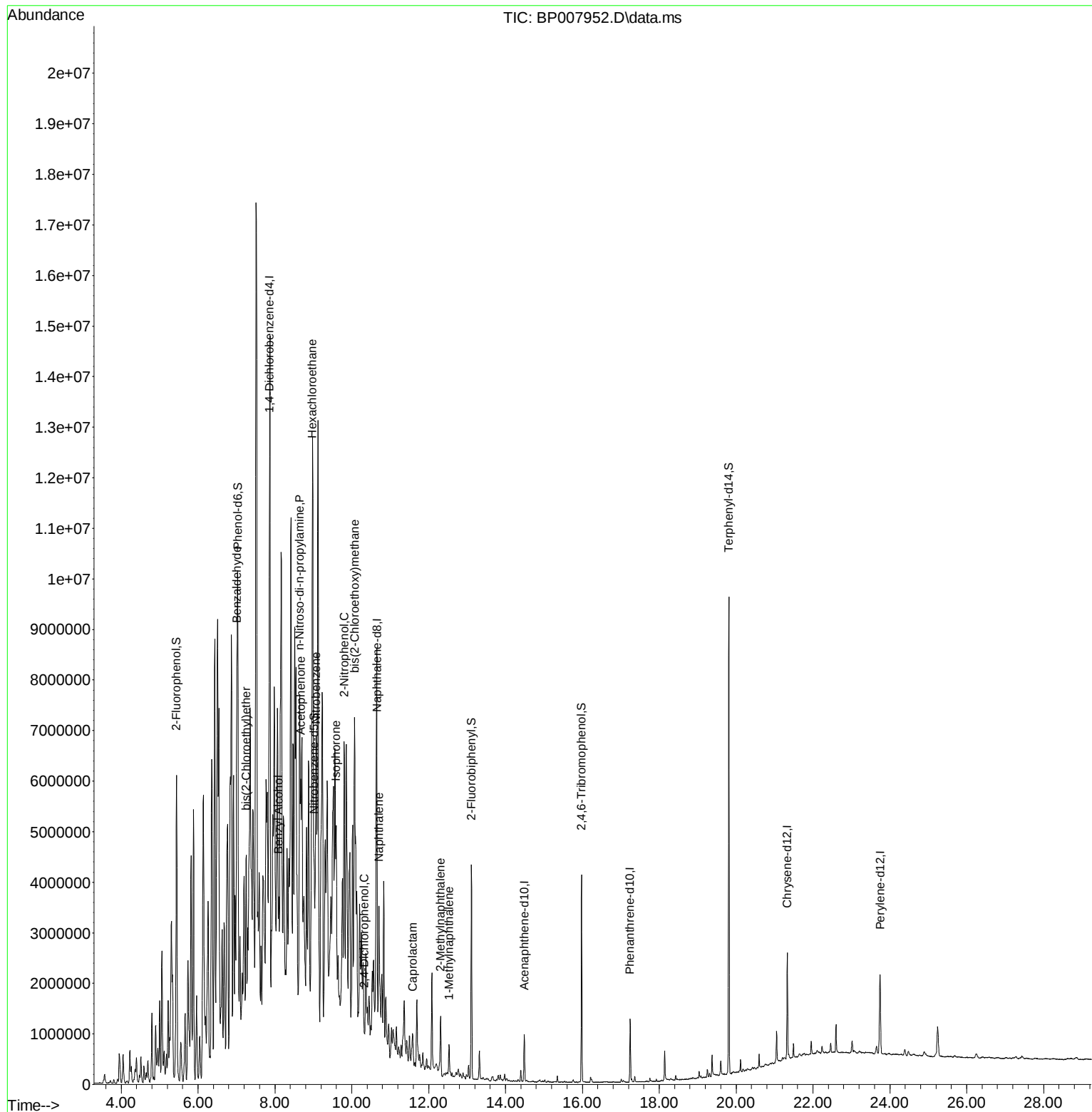
| Compound                      | R.T.   | QIon | Response | Conc      | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|-------|----------|
| -----                         |        |      |          |           |       |          |
| Internal Standards            |        |      |          |           |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.858  | 152  | 122520   | 20.00     | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.657 | 136  | 438585   | 20.00     | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 14.487 | 164  | 322860   | 20.00     | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.239 | 188  | 755380   | 20.00     | ng    | # 0.00   |
| 76) Chrysene-d12              | 21.333 | 240  | 1036758  | 20.00     | ng    | # 0.00   |
| 86) Perylene-d12              | 23.745 | 264  | 1256459  | 20.00     | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |           |       |          |
| 5) 2-Fluorophenol             | 5.440  | 112  | 1148105  | 158.92    | ng    | 0.00     |
| 7) Phenol-d6                  | 7.034  | 99   | 1211171  | 115.83    | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.016  | 82   | 1058760  | 129.68    | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 15.981 | 330  | 843762   | 183.12    | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.110 | 172  | 2113451  | 95.33     | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.810 | 244  | 4376363  | 85.96     | ng    | 0.00     |
| Target Compounds              |        |      |          |           |       |          |
| 2) 1,4-Dioxane                | 3.317  | 88   | 83       | Below Cal | #     | 1        |
| 9) Benzaldehyde               | 7.011  | 77   | 115867   | 20.38     | ng    | # 1      |
| 11) bis(2-Chloroethyl)ether   | 7.252  | 93   | 25286    | 3.17      | ng    | # 1      |
| 15) Benzyl Alcohol            | 8.099  | 79   | 51991    | 6.57      | ng    | # 65     |
| 18) Hexachloroethane          | 8.975  | 117  | 805442   | 257.46    | ng    | # 1      |
| 19) n-Nitroso-di-n-propyla... | 8.646  | 70   | 255396   | 39.91     | ng    | # 57     |
| 22) Acetophenone              | 8.675  | 105  | 2036045  | 184.24    | ng    | # 59     |
| 24) Nitrobenzene              | 9.063  | 77   | 147655   | 19.00     | ng    | # 43     |
| 25) Isophorone                | 9.593  | 82   | 394042   | 26.56     | ng    | # 1      |
| 26) 2-Nitrophenol             | 9.799  | 139  | 36778    | 9.35      | ng    | # 1      |
| 28) bis(2-Chloroethoxy)met... | 10.075 | 93   | 57772    | 5.90      | ng    | # 1      |
| 29) 2,4-Dichlorophenol        | 10.322 | 162  | 17423    | 2.40      | ng    | # 28     |
| 31) Naphthalene               | 10.704 | 128  | 1451929  | 65.44     | ng    | 96       |
| 35) Caprolactam               | 11.587 | 113  | 12854    | 5.07      | ng    | # 1      |
| 37) 2-Methylnaphthalene       | 12.310 | 142  | 459815   | 28.10     | ng    | 98       |
| 38) 1-Methylnaphthalene       | 12.528 | 142  | 266405   | 16.61     | ng    | 99       |
| -----                         |        |      |          |           |       |          |

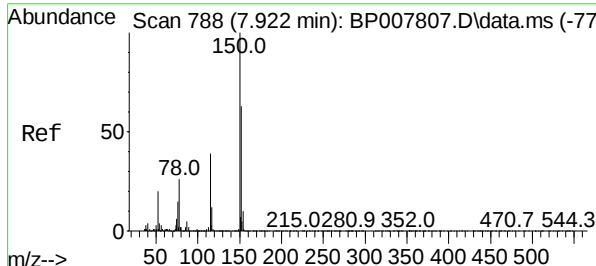
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Nov 11 13:53:53 2021  
Response via : Initial Calibration

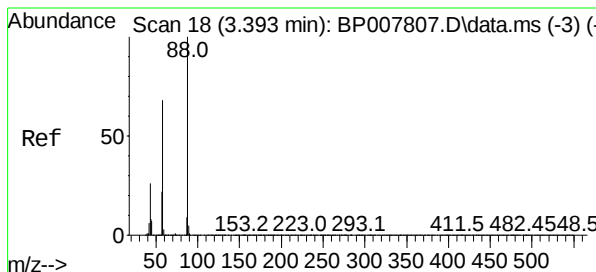
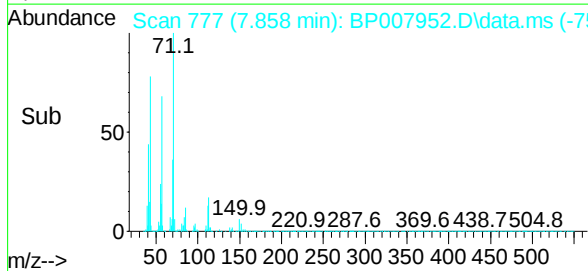
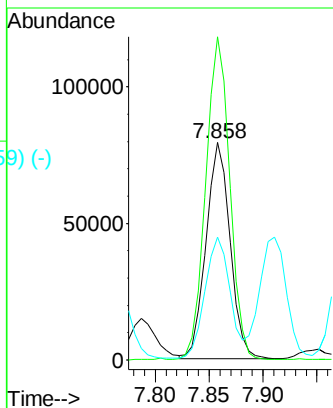
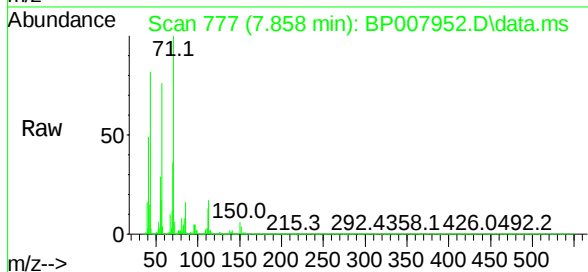




Scan 788 (7.922 min): BP007807.D\data.ms (-777) #1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 7.858 min Scan#  
 Delta R.T. 0.006 min  
 Lab File: BP007952.D  
 Acq: 11 Nov 2021 18:56

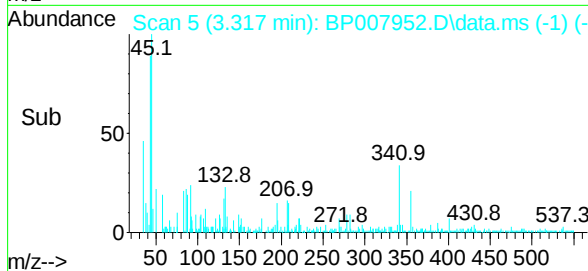
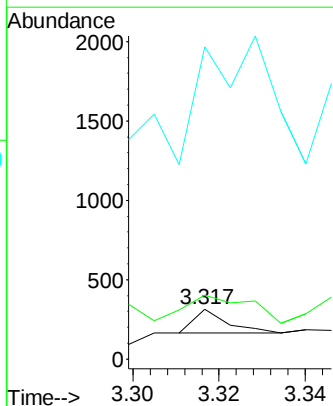
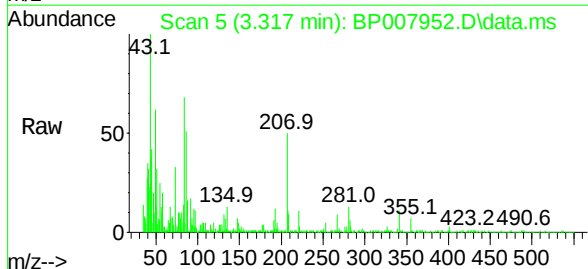
Instrument :  
 BNA\_P  
 ClientSampleId :  
 SB-13S-5.0

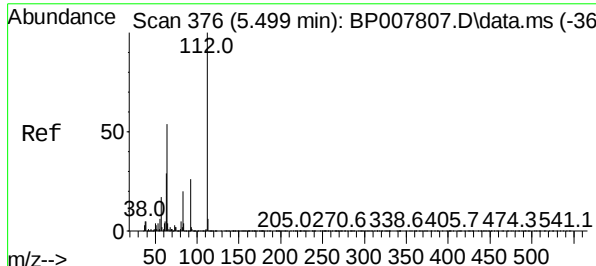
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 152   | Resp: | 122520 |
| Ion      | Ratio | Lower | Upper  |
| 152      | 100   |       |        |
| 150      | 148.6 | 124.1 | 186.1  |
| 115      | 56.4  | 48.1  | 72.1   |



Scan 18 (3.393 min): BP007807.D\data.ms (-3) (-) #2  
 1,4-Dioxane  
 Concen: Below Cal  
 RT: 3.317 min Scan# 5  
 Delta R.T. -0.024 min  
 Lab File: BP007952.D  
 Acq: 11 Nov 2021 18:56

|          |        |       |       |
|----------|--------|-------|-------|
| Tgt Ion: | 88     | Resp: | 83    |
| Ion      | Ratio  | Lower | Upper |
| 88       | 100    |       |       |
| 58       | 227.7  | 58.1  | 87.1# |
| 43       | 1010.8 | 22.2  | 33.4# |





2-Fluorophenol

Concen: 158.92 ng

RT: 5.440 min Scan# 637

Delta R.T. 0.006 min

Lab File: BP007952.D

Acq: 11 Nov 2021 18:56

Instrument :

BNA\_P

ClientSampleId :

SB-13S-5.0

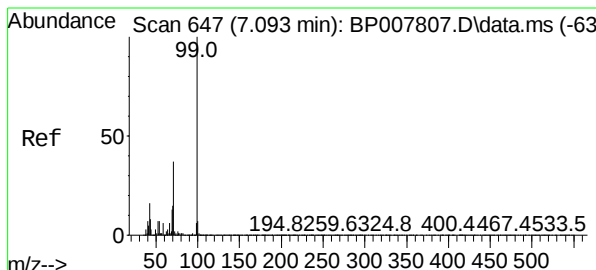
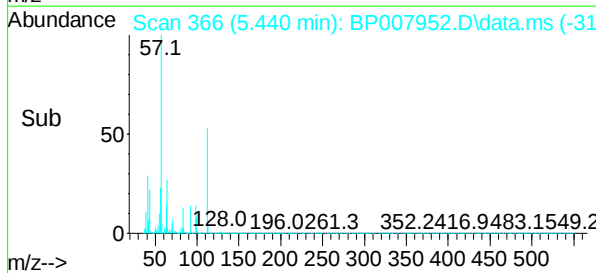
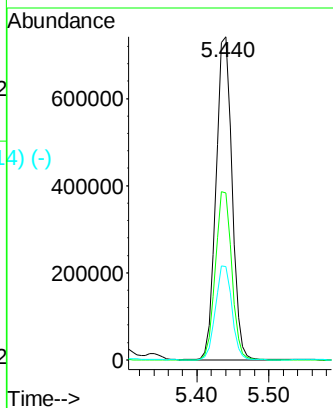
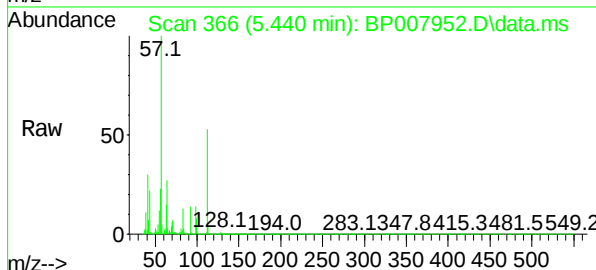
Tgt Ion:112 Resp: 1148105

Ion Ratio Lower Upper

112 100

64 51.6 46.6 70.0

63 29.0 25.0 37.6



Phenol-d6

Concen: 115.83 ng

RT: 7.034 min Scan# 637

Delta R.T. 0.006 min

Lab File: BP007952.D

Acq: 11 Nov 2021 18:56

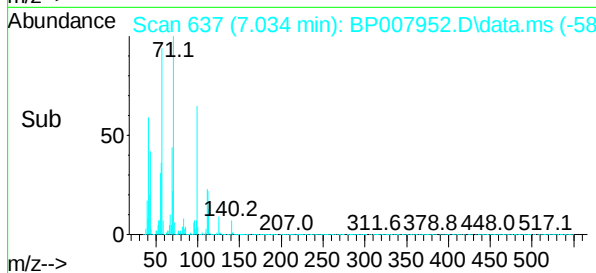
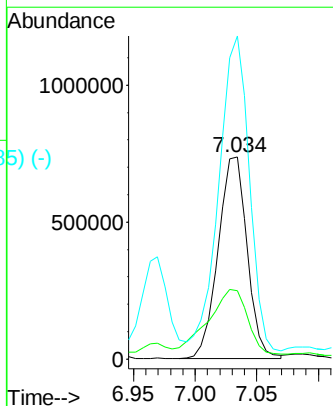
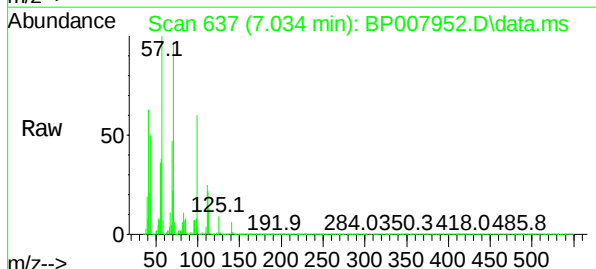
Tgt Ion: 99 Resp: 1211171

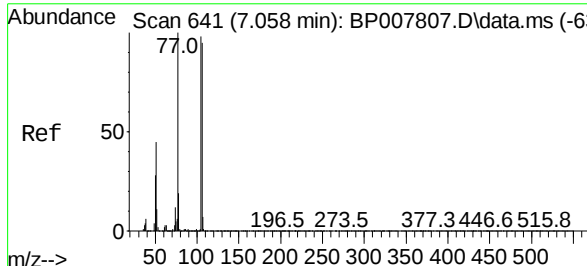
Ion Ratio Lower Upper

99 100

42 34.0 14.9 22.3#

71 159.9 29.2 43.8#





Benzaldehyde

Concen: 20.38 ng

RT: 7.011 min Scan# 674

Delta R.T. 0.018 min

Lab File: BP007952.D

Acq: 11 Nov 2021 18:56

Instrument :

BNA\_P

ClientSampleId :

SB-13S-5.0

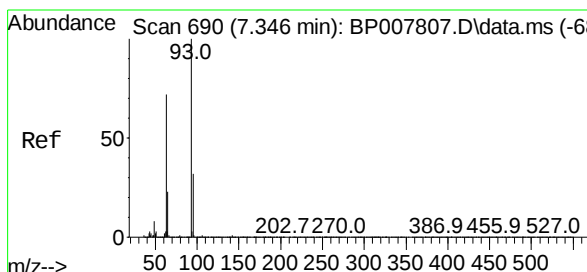
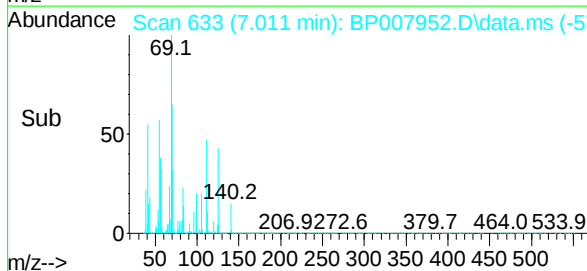
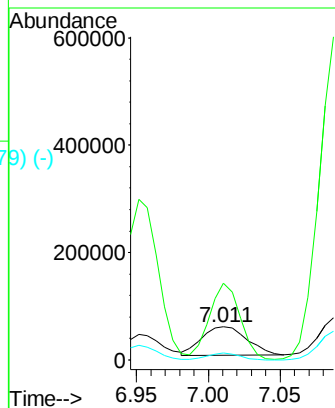
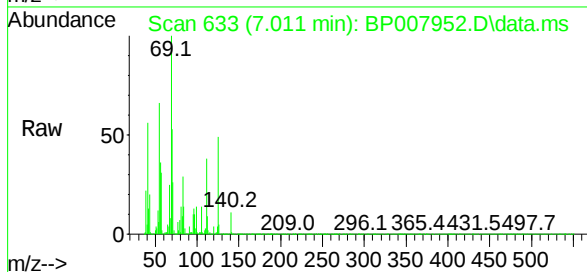
Tgt Ion: 77 Resp: 115867

Ion Ratio Lower Upper

77 100

105 231.2 77.5 117.5#

106 20.5 72.1 112.1#



bis(2-Chloroethyl)ether

Concen: 3.17 ng

RT: 7.252 min Scan# 674

Delta R.T. -0.029 min

Lab File: BP007952.D

Acq: 11 Nov 2021 18:56

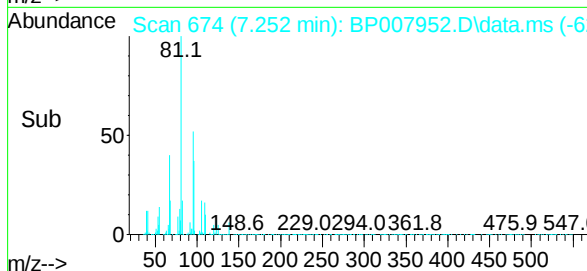
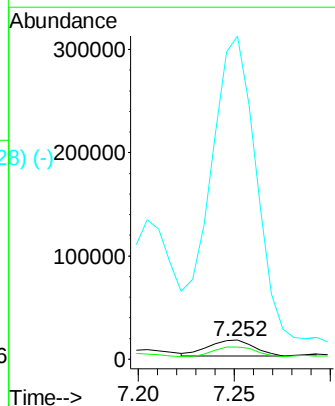
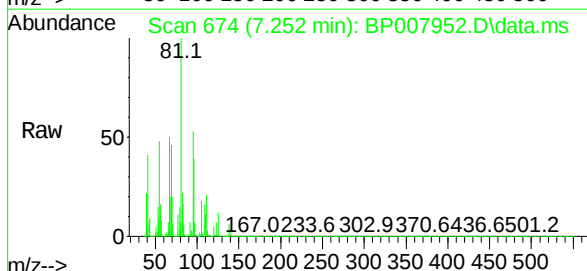
Tgt Ion: 93 Resp: 25286

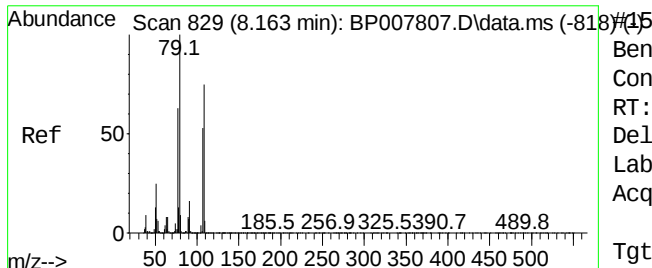
Ion Ratio Lower Upper

93 100

63 65.0 55.7 95.7

95 1712.4 12.7 52.7#





Benzyl Alcohol

Concen: 6.57 ng

RT: 8.099 min Scan# 818

Delta R.T. -0.000 min

Lab File: BP007952.D

Acq: 11 Nov 2021 18:56

Instrument :

BNA\_P

ClientSampleId :

SB-13S-5.0

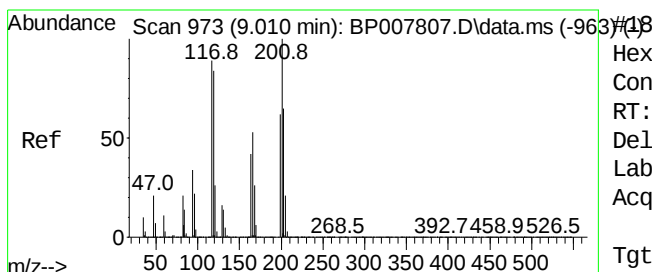
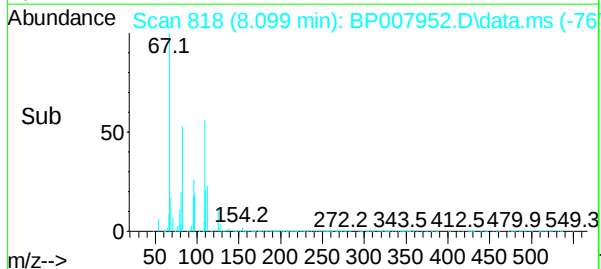
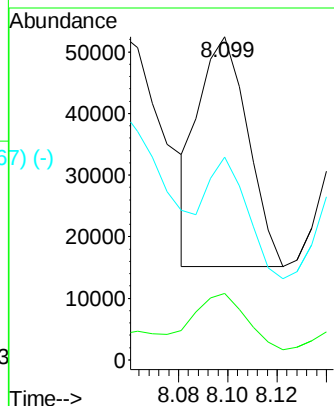
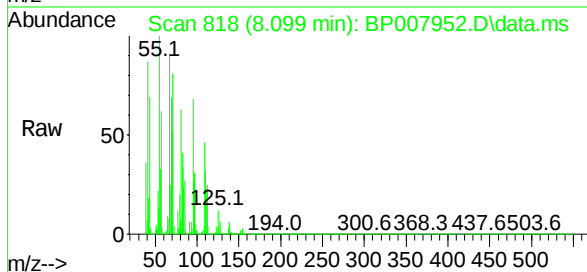
Tgt Ion: 79 Resp: 51991

Ion Ratio Lower Upper

79 100

108 20.6 59.9 89.9#

77 62.9 51.1 76.7



Hexachloroethane

Concen: 257.46 ng

RT: 8.975 min Scan# 967

Delta R.T. 0.041 min

Lab File: BP007952.D

Acq: 11 Nov 2021 18:56

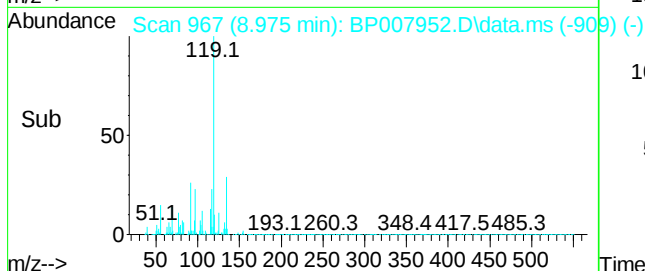
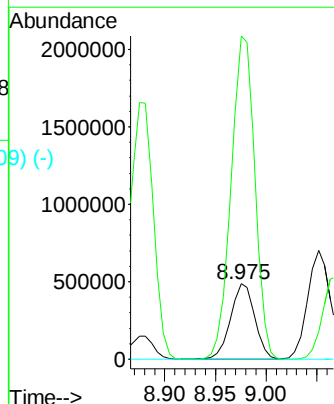
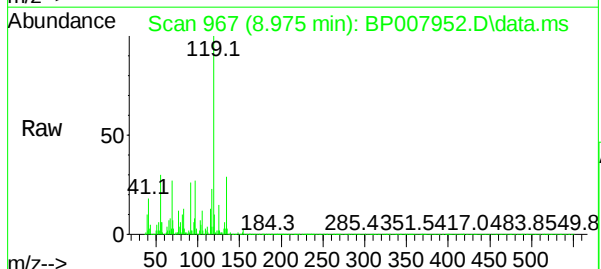
Tgt Ion: 117 Resp: 805442

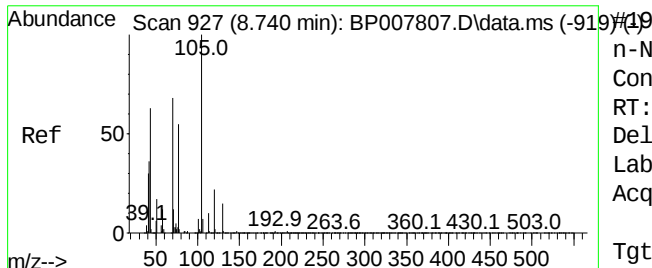
Ion Ratio Lower Upper

117 100

119 429.8 77.6 116.4#

201 0.0 82.9 124.3#

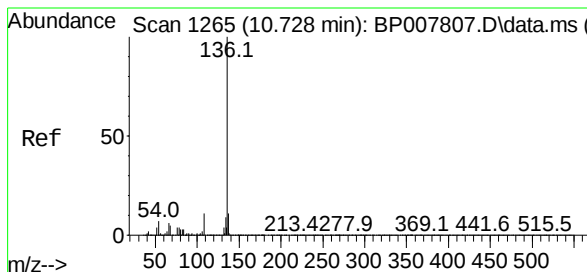
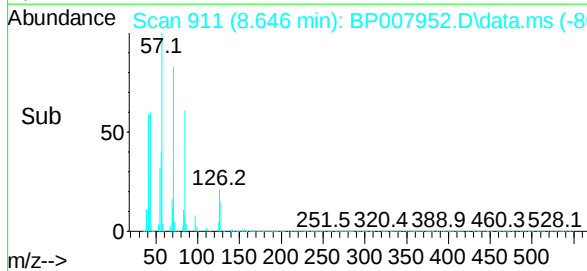
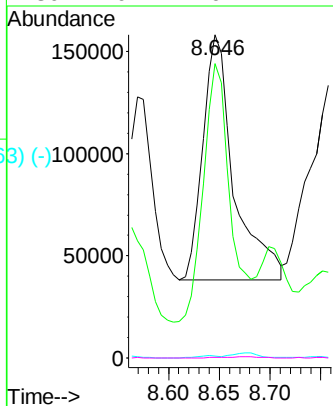
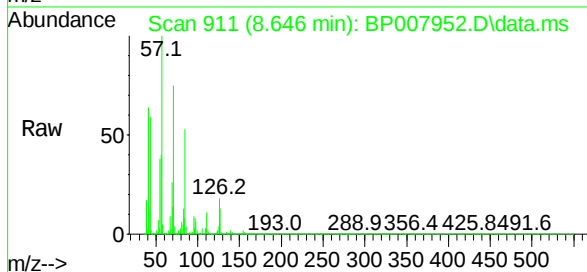




n-Nitroso-di-n-propylamine  
 Concen: 39.91 ng  
 RT: 8.646 min Scan# 119  
 Delta R.T. -0.018 min  
 Lab File: BP007952.D  
 Acq: 11 Nov 2021 18:56

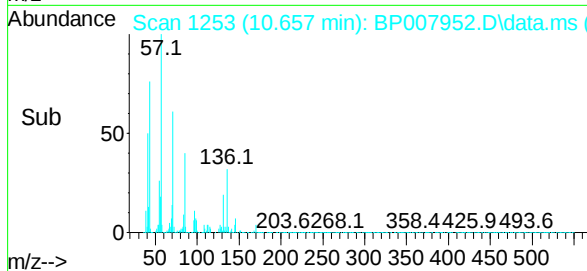
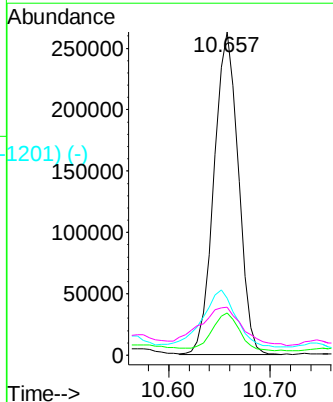
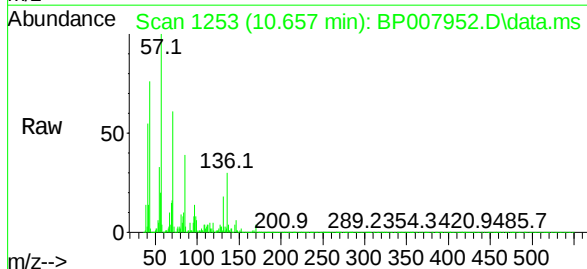
Instrument :  
 BNA\_P  
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 SB-13S-5.0

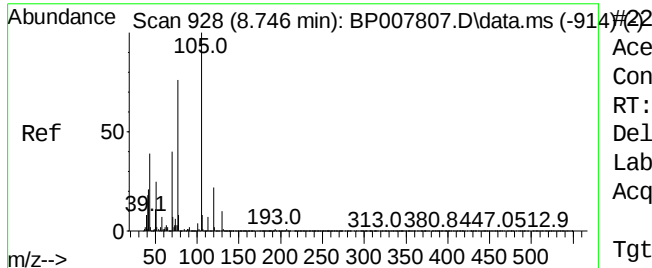
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|----------|-------|-------|--------|
| Tgt Ion: | 70    | Resp: | 255396 |
| Ion      | Ratio | Lower | Upper  |
| 70       | 100   |       |        |
| 42       | 91.1  | 46.2  | 69.2#  |
| 101      | 0.5   | 7.7   | 11.5#  |
| 130      | 0.1   | 16.2  | 24.4#  |



Naphthalene-d8  
 Concen: 20.00 ng  
 RT: 10.657 min Scan# 1253  
 Delta R.T. 0.006 min  
 Lab File: BP007952.D  
 Acq: 11 Nov 2021 18:56

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 438585 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 13.1  | 8.6   | 13.0#  |
| 54       | 17.5  | 6.2   | 9.4#   |
| 68       | 14.9  | 4.7   | 7.1#   |





Acetophenone

Concen: 184.24 ng

RT: 8.675 min Scan#

Delta R.T. -0.000 min

Lab File: BP007952.D

Acq: 11 Nov 2021 18:56

Instrument :

BNA\_P

ClientSampleId :

SB-13S-5.0

Tgt Ion:105 Resp: 2036045

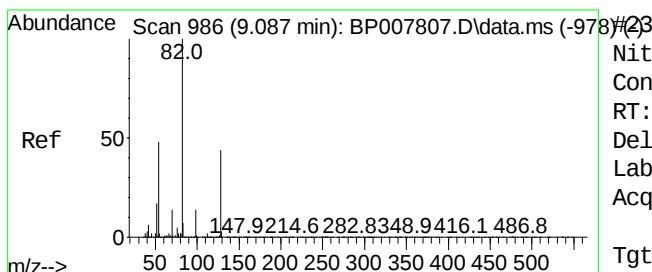
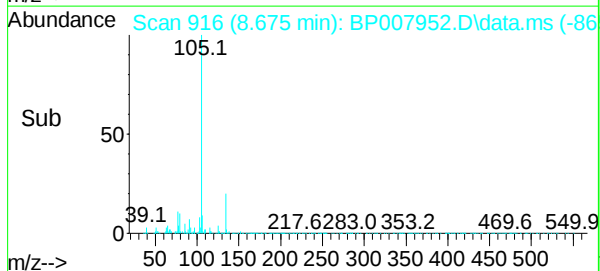
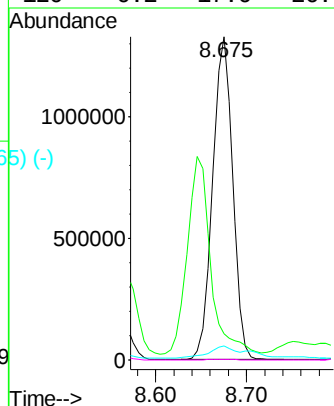
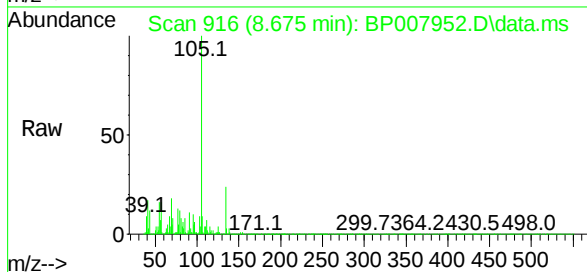
Ion Ratio Lower Upper

105 100

71 8.1 4.5 6.7#

51 4.3 21.8 32.8#

120 0.2 17.6 26.4#



Nitrobenzene-d5

Concen: 129.68 ng

RT: 9.016 min Scan# 974

Delta R.T. 0.006 min

Lab File: BP007952.D

Acq: 11 Nov 2021 18:56

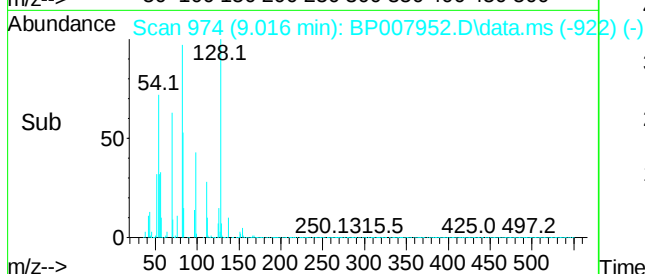
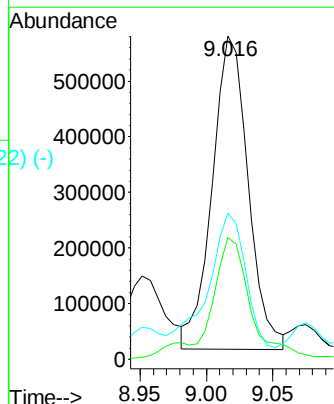
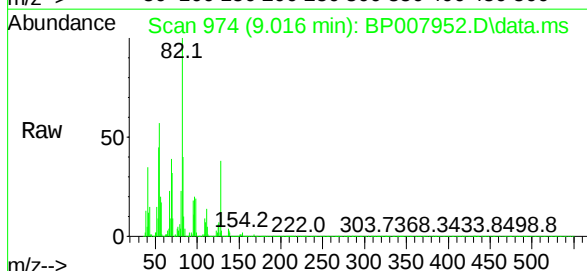
Tgt Ion: 82 Resp: 1058760

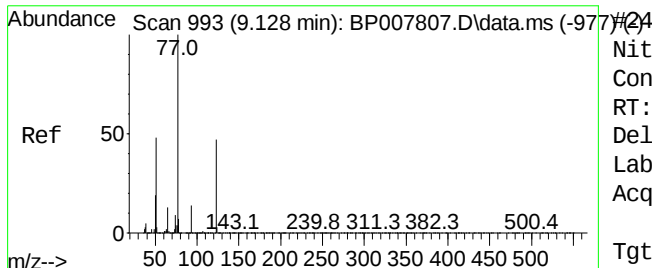
Ion Ratio Lower Upper

82 100

128 37.6 32.6 48.8

54 45.1 40.4 60.6





Nitrobenzene

Concen: 19.00 ng

RT: 9.063 min Scan# 1072

Delta R.T. 0.012 min

Lab File: BP007952.D

Acq: 11 Nov 2021 18:56

Instrument :

BNA\_P

ClientSampleId :

SB-13S-5.0

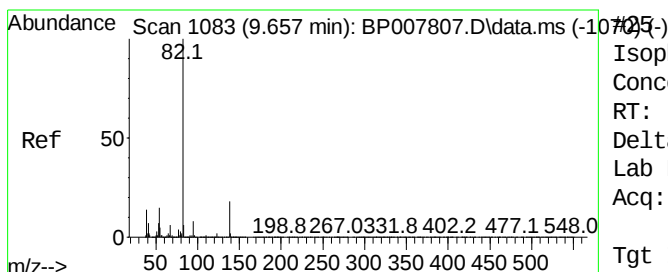
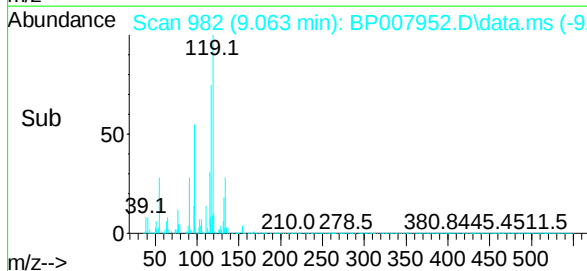
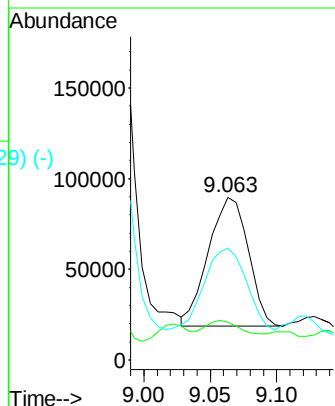
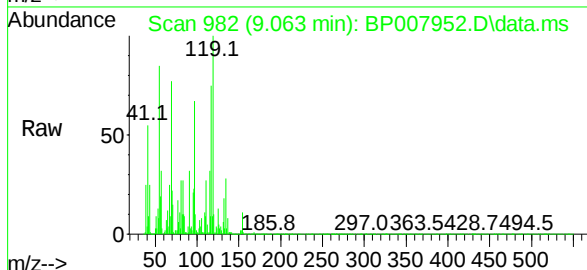
Tgt Ion: 77 Resp: 147655

Ion Ratio Lower Upper

77 100

123 23.0 35.3 52.9#

65 68.9 10.9 16.3#



Isophorone

Concen: 26.56 ng

RT: 9.593 min Scan# 1072

Delta R.T. 0.006 min

Lab File: BP007952.D

Acq: 11 Nov 2021 18:56

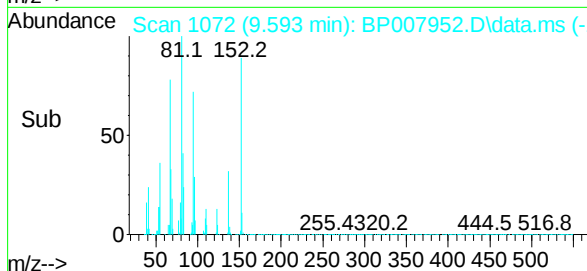
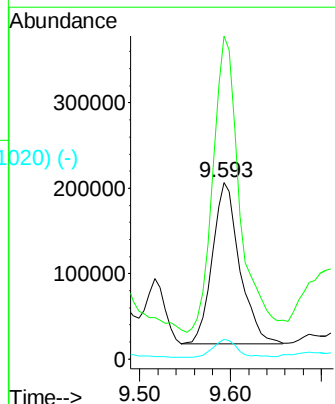
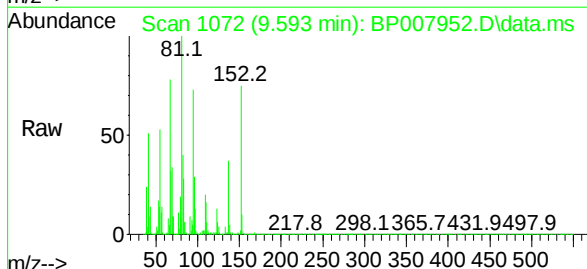
Tgt Ion: 82 Resp: 394042

Ion Ratio Lower Upper

82 100

95 182.7 6.2 9.2#

138 11.3 14.0 21.0#



Abundance Scan 1114 (9.840 min): BP007807.D\data.ms (-1106) (-)

2-Nitrophenol

Concen: 9.35 ng

RT: 9.799 min Scan# 1106

Delta R.T. 0.035 min

Lab File: BP007952.D

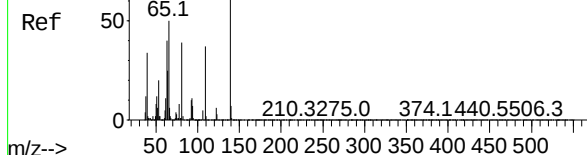
Acq: 11 Nov 2021 18:56

Instrument :

BNA\_P

ClientSampleId :

SB-13S-5.0



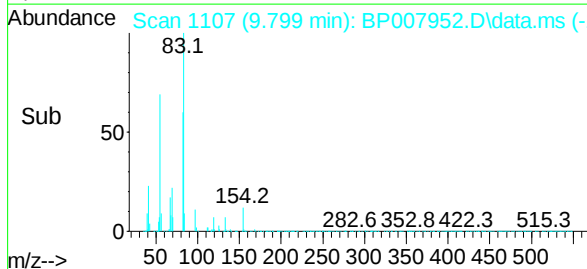
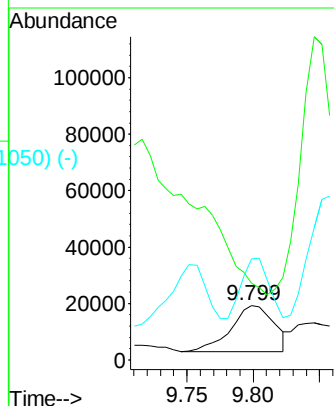
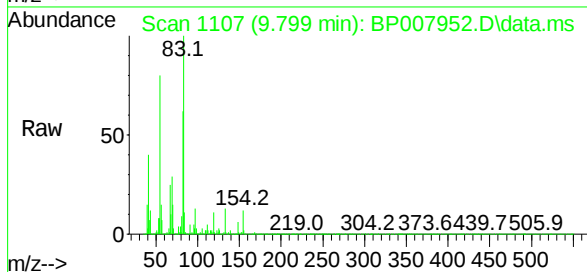
Tgt Ion:139 Resp: 36778

Ion Ratio Lower Upper

139 100

109 140.8 26.2 39.2#

65 185.6 40.3 60.5#



Abundance Scan 1165 (10.140 min): BP007807.D\data.ms (-1128) (-)

bis(2-Chloroethoxy)methane

Concen: 5.90 ng

RT: 10.075 min Scan# 1154

Delta R.T. 0.012 min

Lab File: BP007952.D

Acq: 11 Nov 2021 18:56

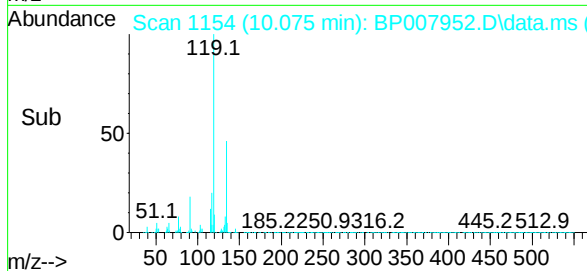
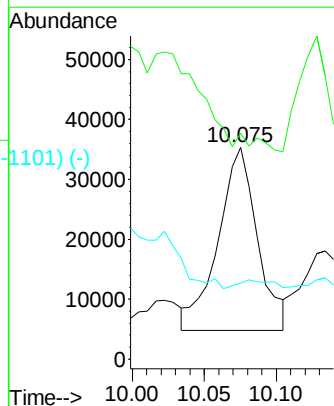
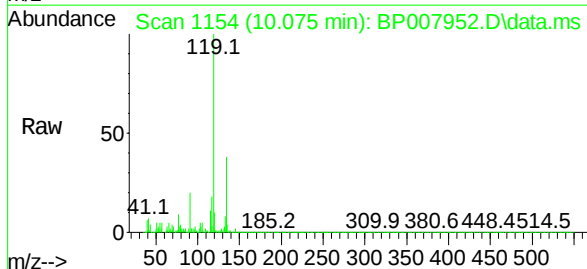
Tgt Ion: 93 Resp: 57772

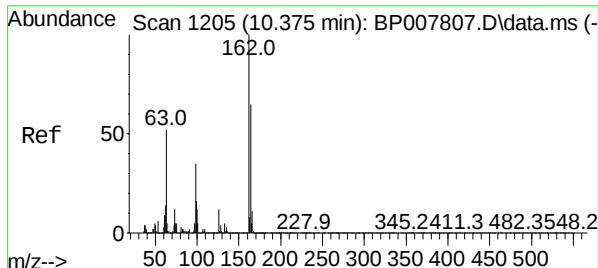
Ion Ratio Lower Upper

93 100

95 106.6 26.1 39.1#

123 35.8 8.5 12.7#

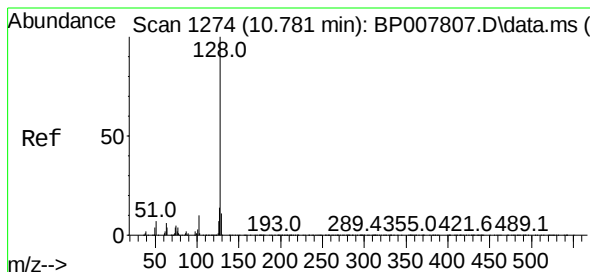
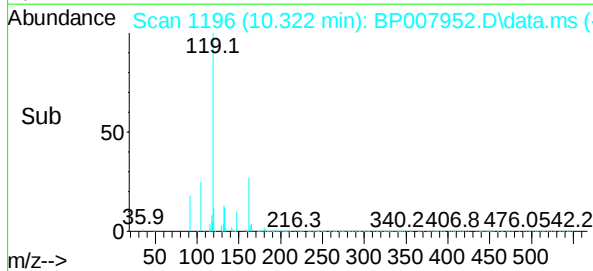
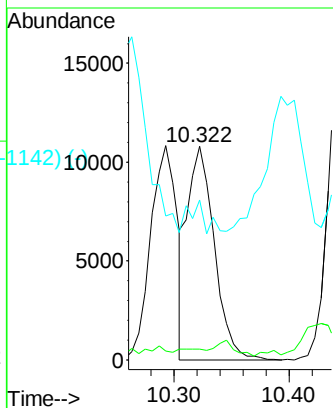
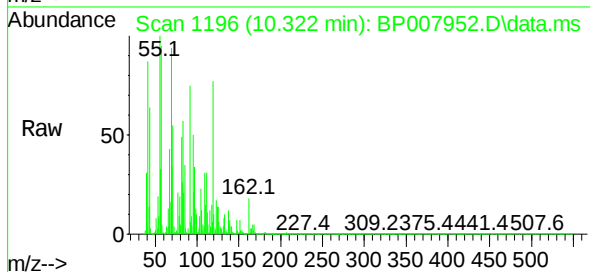




Scan 1205 (10.375 min): BP007807.D\data.ms (-1129) (-)  
 2,4-Dichlorophenol  
 Concen: 2.40 ng  
 RT: 10.322 min Scan# 1196  
 Delta R.T. 0.018 min  
 Lab File: BP007952.D  
 Acq: 11 Nov 2021 18:56

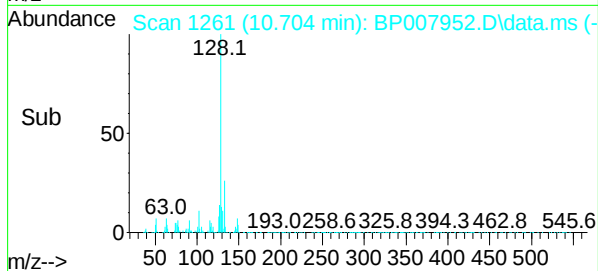
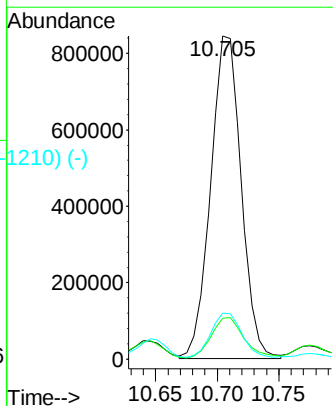
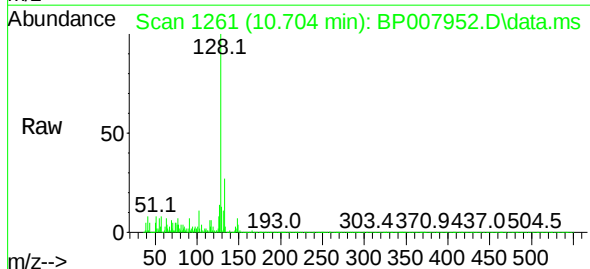
Instrument :  
 BNA\_P  
 Client Sample Id :  
 SB-13S-5.0

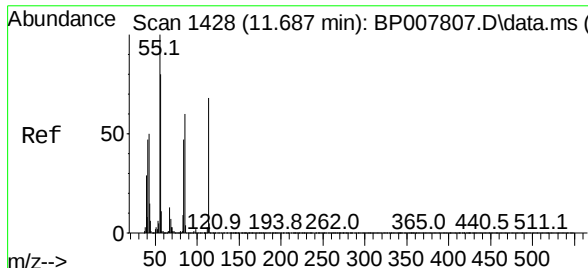
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 162   | Resp: | 17423 |
| Ion      | Ratio | Lower | Upper |
| 162      | 100   |       |       |
| 164      | 5.1   | 44.0  | 84.0# |
| 98       | 74.9  | 16.3  | 56.3# |



Scan 1274 (10.781 min): BP007807.D\data.ms (-1261) (-)  
 Naphthalene  
 Concen: 65.44 ng  
 RT: 10.704 min Scan# 1261  
 Delta R.T. -0.000 min  
 Lab File: BP007952.D  
 Acq: 11 Nov 2021 18:56

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 128   | Resp: | 1451929 |
| Ion      | Ratio | Lower | Upper   |
| 128      | 100   |       |         |
| 129      | 12.6  | 8.9   | 13.3    |
| 127      | 14.3  | 10.2  | 15.4    |

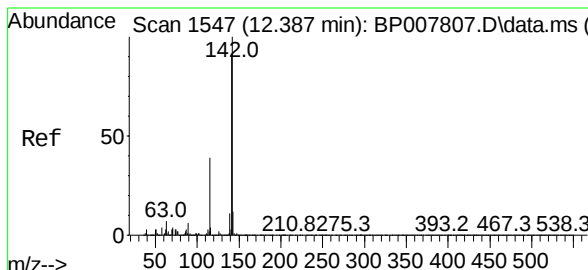
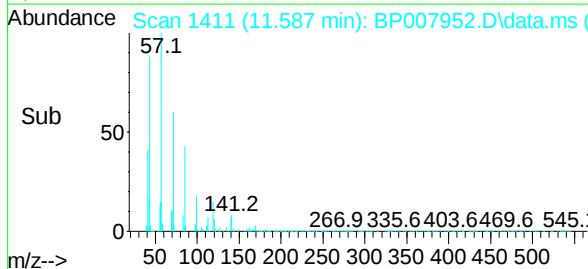
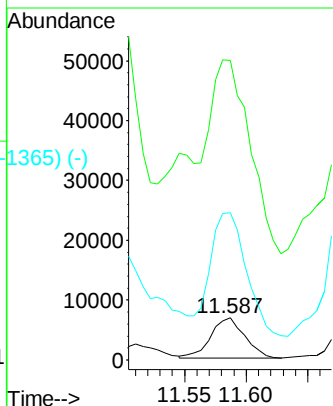
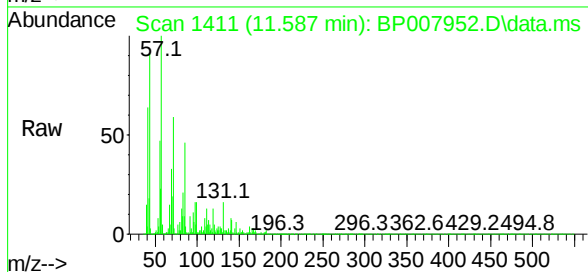




Caprolactam  
Concen: 5.07 ng  
RT: 11.587 min Scan# 1435  
Delta R.T. -0.029 min  
Lab File: BP007952.D  
Acq: 11 Nov 2021 18:56

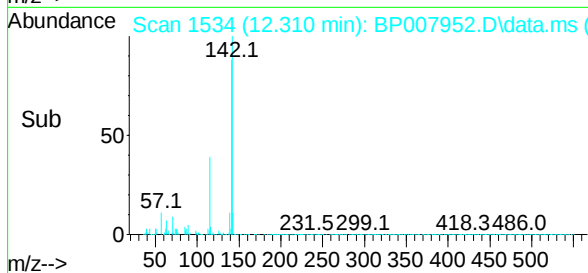
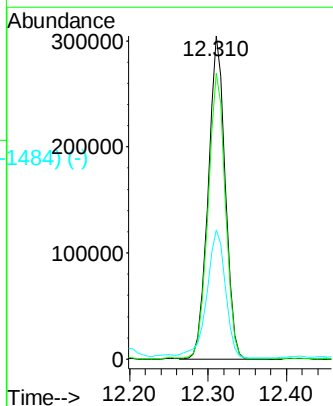
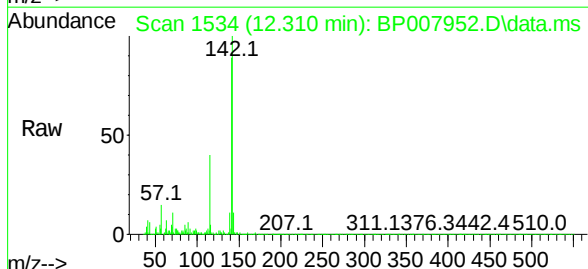
Instrument :  
BNA\_P  
ClientSampleId :  
SB-13S-5.0

Tgt Ion:113 Resp: 12854  
Ion Ratio Lower Upper  
113 100  
55 705.7 143.9 183.9#  
56 346.5 101.6 141.6#

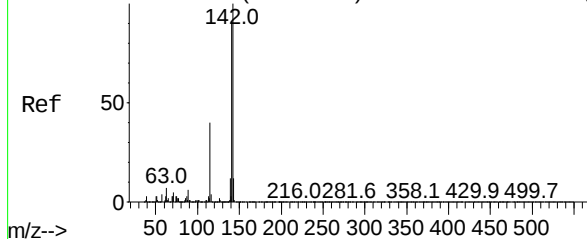


2-Methylnaphthalene  
Concen: 28.10 ng  
RT: 12.310 min Scan# 1534  
Delta R.T. -0.006 min  
Lab File: BP007952.D  
Acq: 11 Nov 2021 18:56

Tgt Ion:142 Resp: 459815  
Ion Ratio Lower Upper  
142 100  
141 88.5 71.4 107.0  
115 40.0 29.5 44.3



Abundance Scan 1584 (12.604 min): BP007807.D\data.ms (-1578) (-)



1-Methylnaphthalene

Concen: 16.61 ng

RT: 12.528 min Scan#

Delta R.T. -0.006 min

Lab File: BP007952.D

Acq: 11 Nov 2021 18:56

Instrument :

BNA\_P

ClientSampleId :

SB-13S-5.0

Tgt Ion:142 Resp: 266405

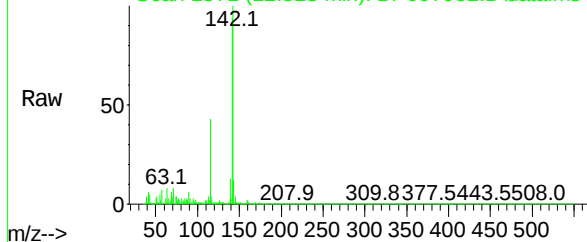
Ion Ratio Lower Upper

142 100

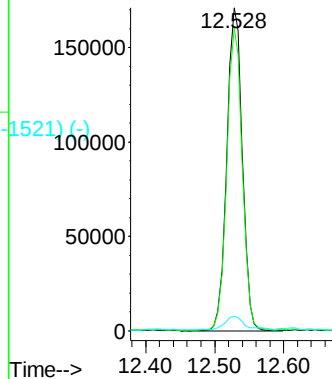
141 93.6 74.4 111.6

116 4.5 3.4 5.0

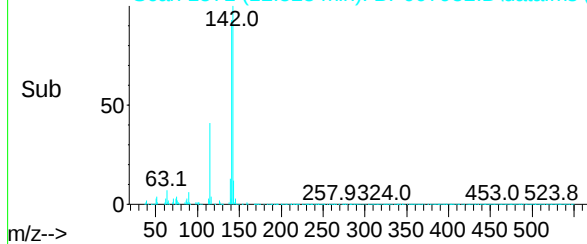
Abundance Scan 1571 (12.528 min): BP007952.D\data.ms



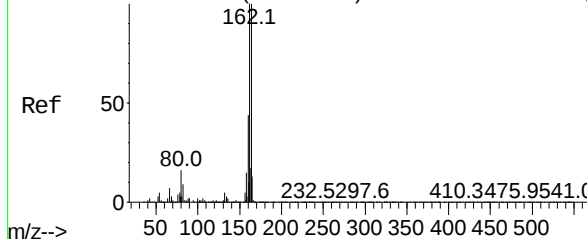
Abundance



Abundance Scan 1571 (12.528 min): BP007952.D\data.ms (-1521) (-)



Abundance Scan 1917 (14.563 min): BP007807.D\data.ms (-1904) (-)



Acenaphthene-d10

Concen: 20.00 ng

RT: 14.487 min Scan# 1904

Delta R.T. -0.006 min

Lab File: BP007952.D

Acq: 11 Nov 2021 18:56

Tgt Ion:164 Resp: 322860

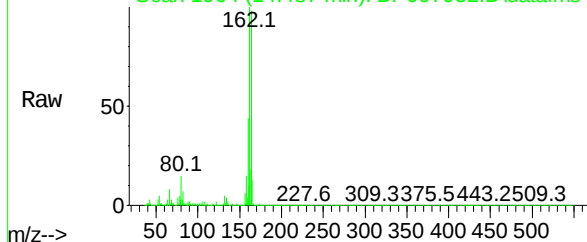
Ion Ratio Lower Upper

164 100

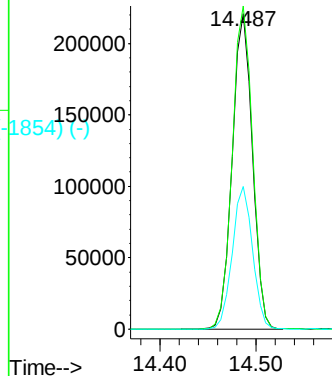
162 102.4 81.1 121.7

160 45.3 36.0 54.0

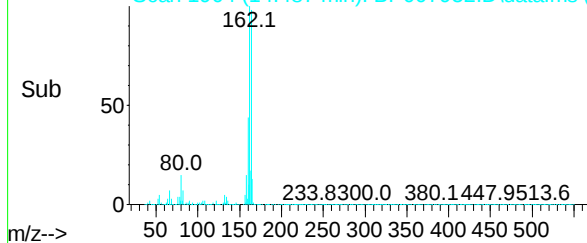
Abundance Scan 1904 (14.487 min): BP007952.D\data.ms



Abundance



Abundance Scan 1904 (14.487 min): BP007952.D\data.ms (-1854) (-)



Abundance Scan 2171 (16.057 min): BP007807.D\data.ms (-2162) (-)

2,4,6-Tribromophenol

Concen: 183.12 ng

RT: 15.981 min Scan# 1

Delta R.T. -0.006 min

Lab File: BP007952.D

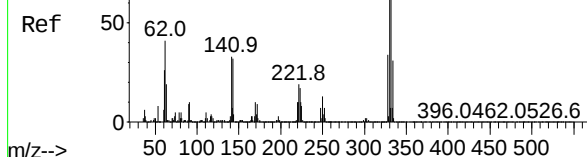
Acq: 11 Nov 2021 18:56

Instrument :

BNA\_P

ClientSampleId :

SB-13S-5.0



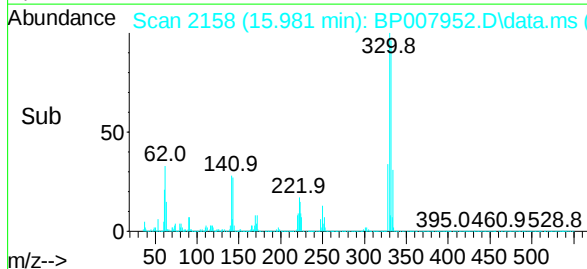
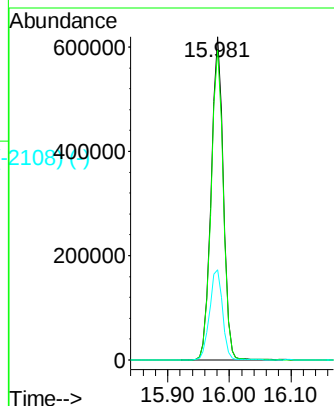
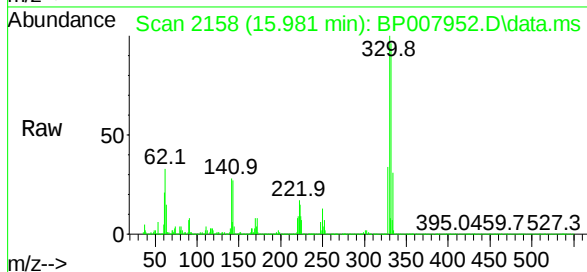
Tgt Ion:330 Resp: 843762

Ion Ratio Lower Upper

330 100

332 96.5 78.9 118.3

141 29.6 30.7 46.1#



Abundance Scan 1684 (13.192 min): BP007807.D\data.ms (-1674) (-)

2-Fluorobiphenyl

Concen: 95.33 ng

RT: 13.110 min Scan# 1670

Delta R.T. -0.006 min

Lab File: BP007952.D

Acq: 11 Nov 2021 18:56

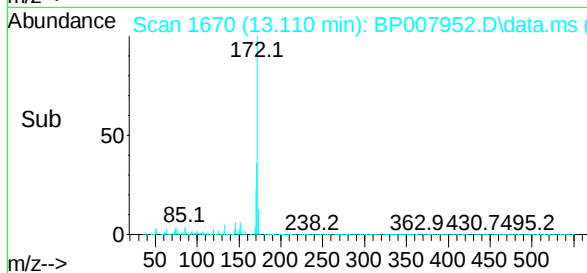
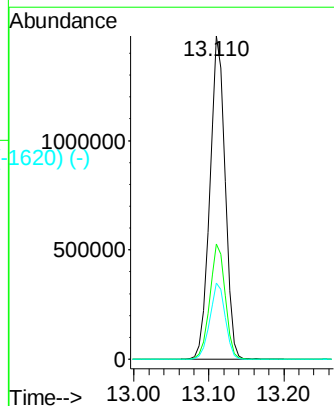
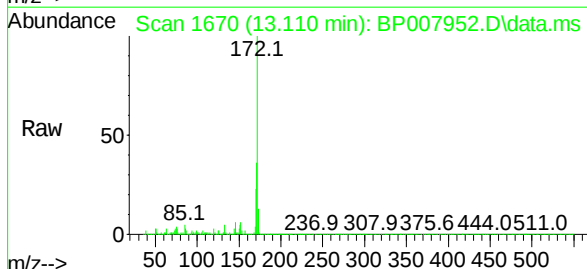
Tgt Ion:172 Resp: 2113451

Ion Ratio Lower Upper

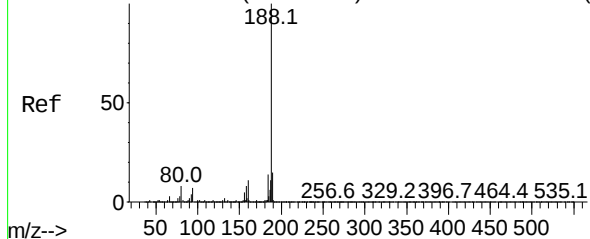
172 100

171 35.6 28.2 42.2

170 23.5 19.0 28.4



Abundance Scan 2386 (17.322 min): BP007807.D\data.ms (-2386) (-)



Phenanthrene-d10

Concen: 20.00 ng

RT: 17.239 min Scan# 1

Delta R.T. -0.006 min

Lab File: BP007952.D

Acq: 11 Nov 2021 18:56

Instrument :

BNA\_P

ClientSampleId :

SB-13S-5.0

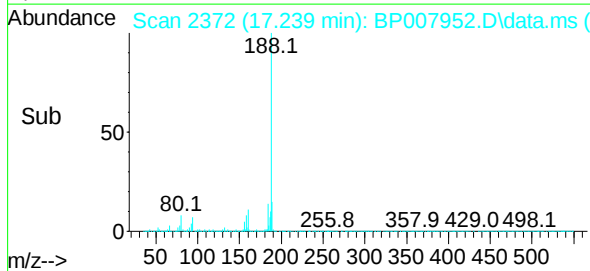
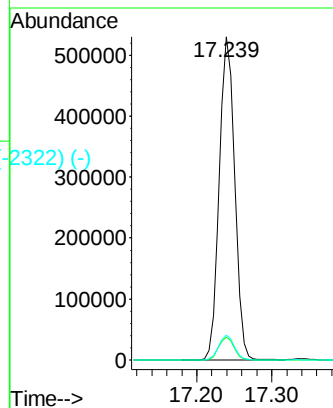
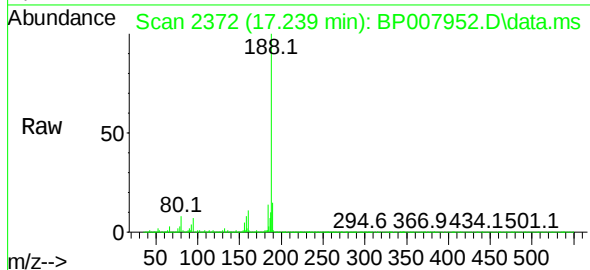
Tgt Ion:188 Resp: 755380

Ion Ratio Lower Upper

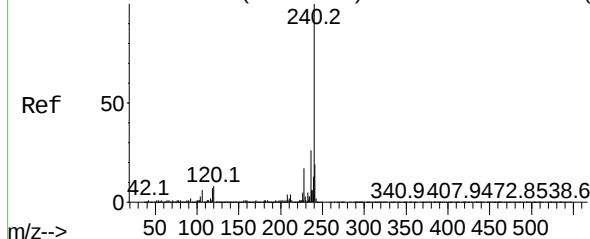
188 100

94 7.1 7.1 10.7#

80 7.6 7.8 11.6#



Abundance Scan 3082 (21.416 min): BP007807.D\data.ms (-3073) (-)



Chrysene-d12

Concen: 20.00 ng

RT: 21.333 min Scan# 3068

Delta R.T. -0.006 min

Lab File: BP007952.D

Acq: 11 Nov 2021 18:56

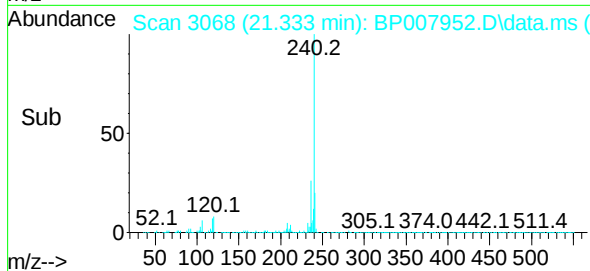
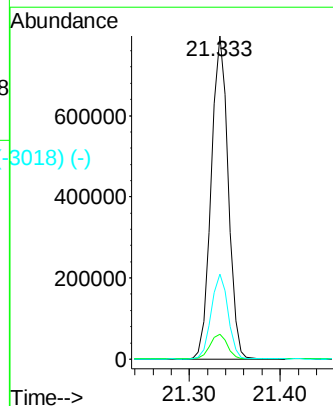
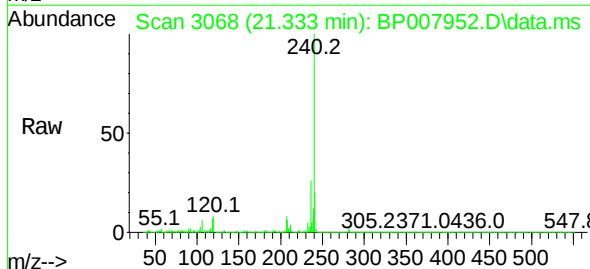
Tgt Ion:240 Resp: 1036758

Ion Ratio Lower Upper

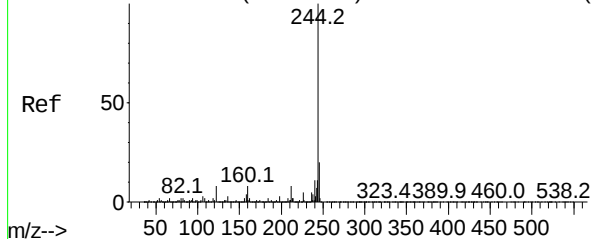
240 100

120 7.7 7.8 11.8#

236 26.3 20.6 30.8



Abundance Scan 2821 (19.880 min): BP007807.D\data.ms (-2819) (-)



Terphenyl-d14

Concen: 85.96 ng

RT: 19.810 min Scan# 1

Delta R.T. -0.000 min

Lab File: BP007952.D

Acq: 11 Nov 2021 18:56

Instrument :

BNA\_P

ClientSampleId :

SB-13S-5.0

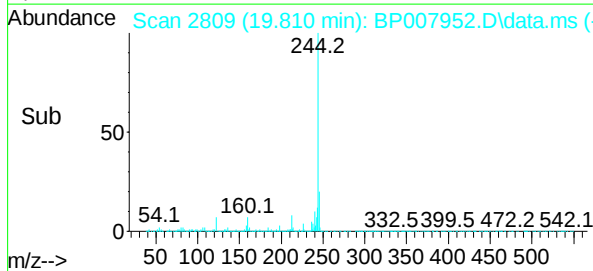
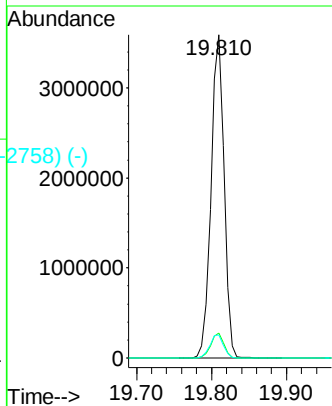
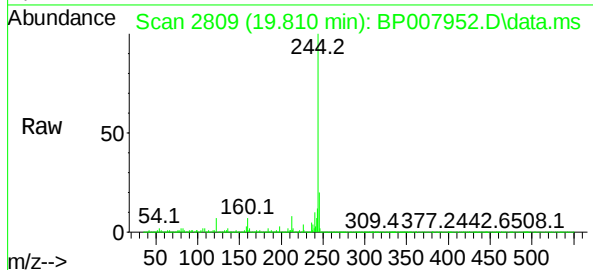
Tgt Ion:244 Resp: 4376363

Ion Ratio Lower Upper

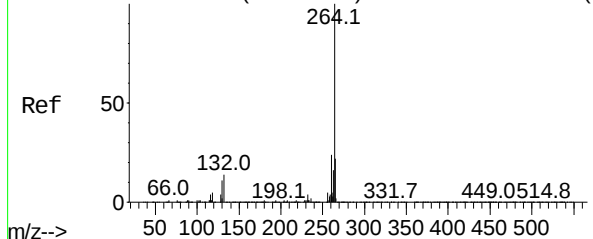
244 100

212 7.7 6.2 9.2

122 7.1 7.8 11.8#



Abundance Scan 3496 (23.851 min): BP007807.D\data.ms (-3488) (-)



Perylene-d12

Concen: 20.00 ng

RT: 23.745 min Scan# 3478

Delta R.T. -0.006 min

Lab File: BP007952.D

Acq: 11 Nov 2021 18:56

Tgt Ion:264 Resp: 1256459

Ion Ratio Lower Upper

264 100

260 24.3 19.1 28.7

265 21.9 16.7 25.1

