

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP111121\  
 Data File : BP007956.D  
 Acq On : 11 Nov 2021 21:11  
 Operator : CG/JU  
 Sample : M4630-03  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SB-13E-25.5-26

Quant Time: Nov 12 00:32:40 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

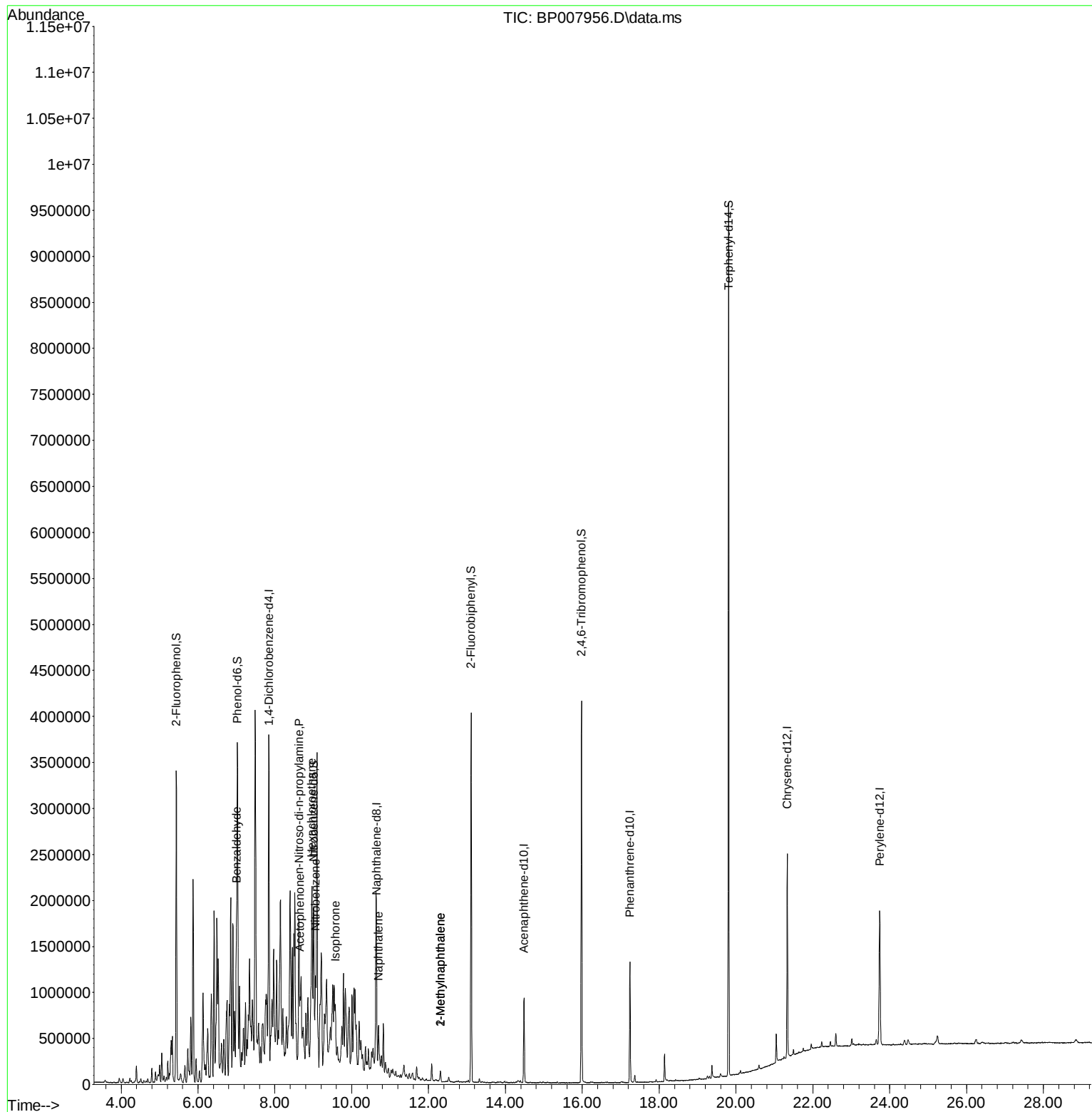
| Compound                      | R.T.   | QIon | Response | Conc      | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|-------|----------|
| -----                         |        |      |          |           |       |          |
| Internal Standards            |        |      |          |           |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.846  | 152  | 130585   | 20.00     | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.646 | 136  | 451737   | 20.00     | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.487 | 164  | 326266   | 20.00     | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.239 | 188  | 792970   | 20.00     | ng    | # 0.00   |
| 76) Chrysene-d12              | 21.333 | 240  | 1076822  | 20.00     | ng    | 0.00     |
| 86) Perylene-d12              | 23.739 | 264  | 1136089  | 20.00     | ng    | -0.01    |
| System Monitoring Compounds   |        |      |          |           |       |          |
| 5) 2-Fluorophenol             | 5.434  | 112  | 1210679  | 157.23    | ng    | 0.00     |
| 7) Phenol-d6                  | 7.028  | 99   | 1376032  | 123.47    | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.010  | 82   | 890579   | 105.90    | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 15.981 | 330  | 846882   | 181.88    | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.110 | 172  | 1996723  | 89.12     | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.810 | 244  | 4410627  | 83.41     | ng    | 0.00     |
| Target Compounds              |        |      |          |           |       |          |
| 2) 1,4-Dioxane                | 3.322  | 88   | 268      | Below Cal | #     | 1        |
| 9) Benzaldehyde               | 6.999  | 77   | 31142    | 5.14      | ng    | # 1      |
| 18) Hexachloroethane          | 8.957  | 117  | 98611    | 29.57     | ng    | # 1      |
| 19) n-Nitroso-di-n-propyla... | 8.628  | 70   | 59108    | 8.67      | ng    | # 51     |
| 22) Acetophenone              | 8.657  | 105  | 322220   | 28.31     | ng    | # 59     |
| 24) Nitrobenzene              | 9.057  | 77   | 17810    | 2.23      | ng    | # 47     |
| 25) Isophorone                | 9.575  | 82   | 62772    | 4.11      | ng    | # 1      |
| 31) Naphthalene               | 10.699 | 128  | 306808   | 13.43     | ng    | 96       |
| 37) 2-Methylnaphthalene       | 12.304 | 142  | 50069    | 2.97      | ng    | 93       |
| 38) 1-Methylnaphthalene       | 12.304 | 142  | 49995    | 3.03      | ng    | 98       |
| -----                         |        |      |          |           |       |          |

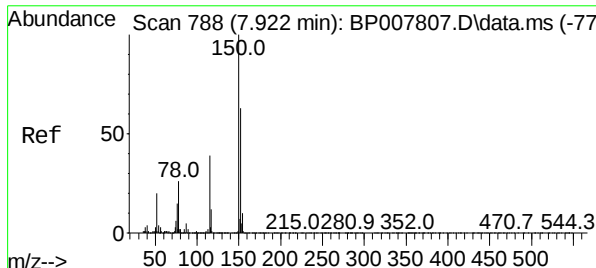
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP111121\  
Data File : BP007956.D  
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Misc :  
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Instrument :  
BNA\_P  
ClientSampleId :  
SB-13E-25.5-26

Quant Time: Nov 12 00:32:40 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

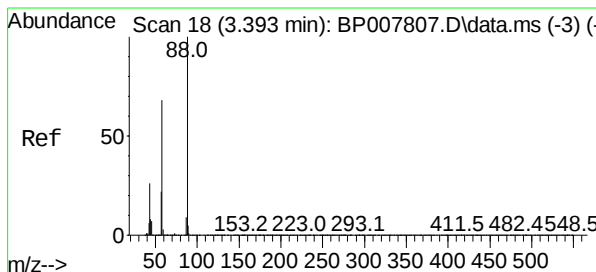
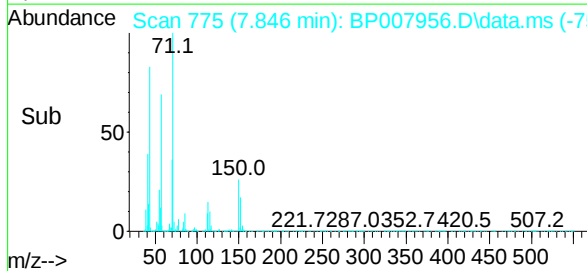
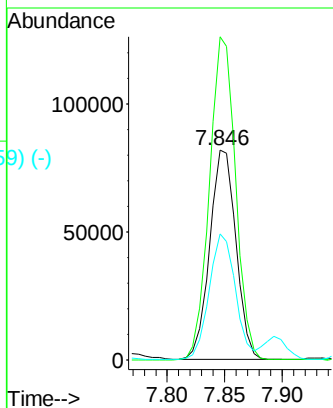
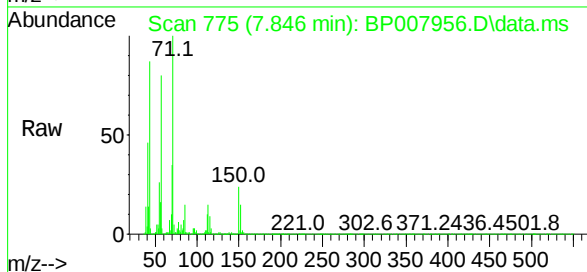




1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 7.846 min Scan#  
 Delta R.T. -0.006 min  
 Lab File: BP007956.D  
 Acq: 11 Nov 2021 21:11

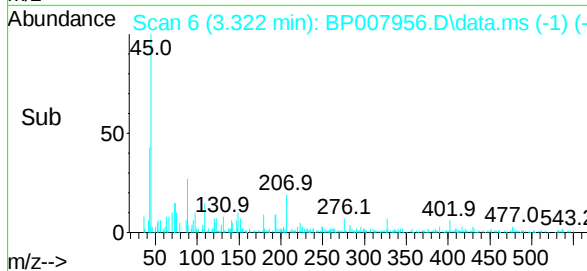
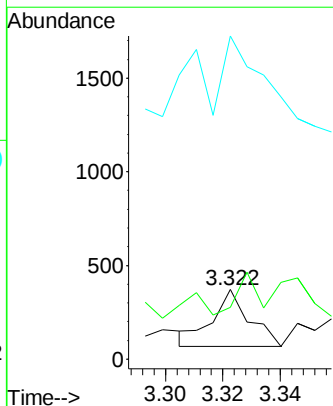
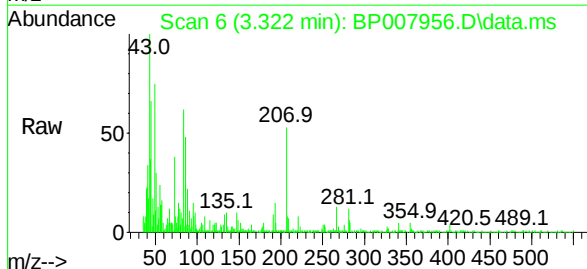
Instrument :  
 BNA\_P  
 ClientSampleId :  
 SB-13E-25.5-26

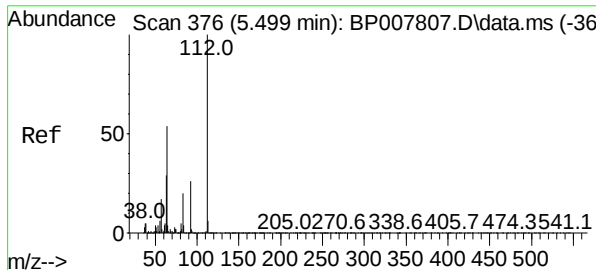
Tgt Ion: 152 Resp: 130585  
 Ion Ratio Lower Upper  
 152 100  
 150 153.9 124.1 186.1  
 115 59.9 48.1 72.1



1,4-Dioxane  
 Concen: Below Cal  
 RT: 3.322 min Scan# 6  
 Delta R.T. -0.018 min  
 Lab File: BP007956.D  
 Acq: 11 Nov 2021 21:11

Tgt Ion: 88 Resp: 268  
 Ion Ratio Lower Upper  
 88 100  
 58 39.9 58.1 87.1#  
 43 191.8 22.2 33.4#





2-Fluorophenol

Concen: 157.23 ng

RT: 5.434 min Scan# 365

Delta R.T. -0.000 min

Lab File: BP007956.D

Acq: 11 Nov 2021 21:11

Instrument :

BNA\_P

ClientSampleId :

SB-13E-25.5-26

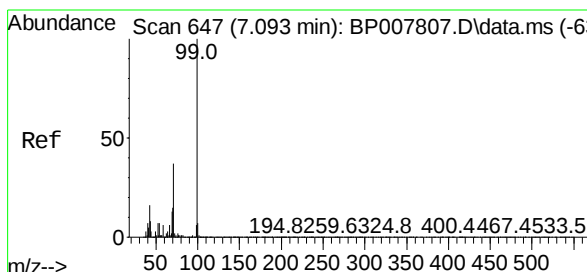
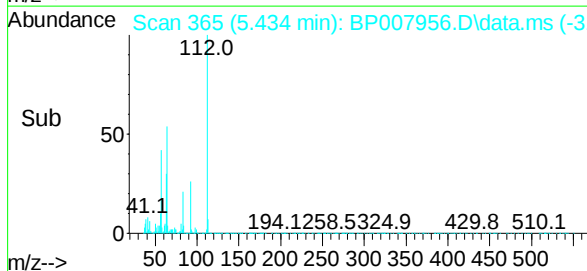
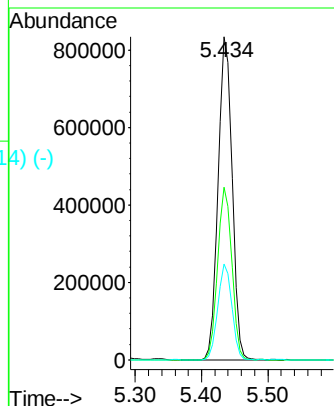
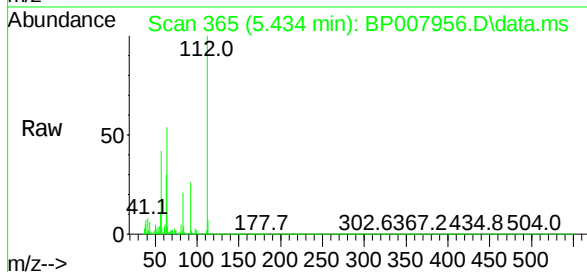
Tgt Ion:112 Resp: 1210679

Ion Ratio Lower Upper

112 100

64 53.5 46.6 70.0

63 29.7 25.0 37.6



Phenol-d6

Concen: 123.47 ng

RT: 7.028 min Scan# 636

Delta R.T. -0.000 min

Lab File: BP007956.D

Acq: 11 Nov 2021 21:11

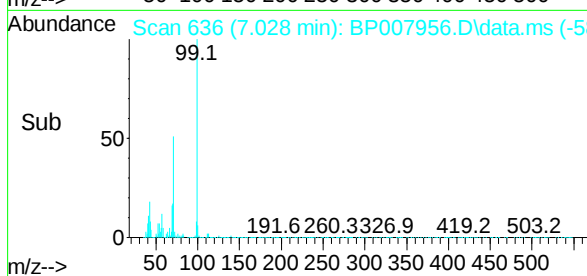
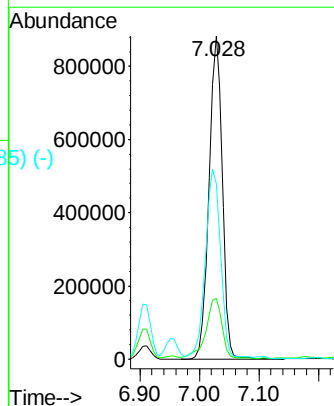
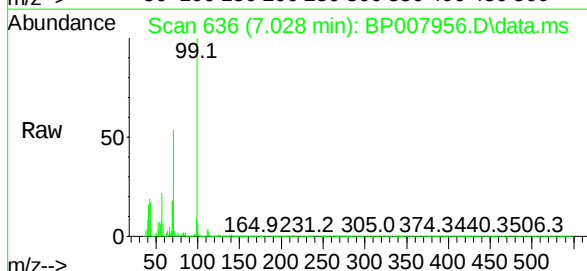
Tgt Ion: 99 Resp: 1376032

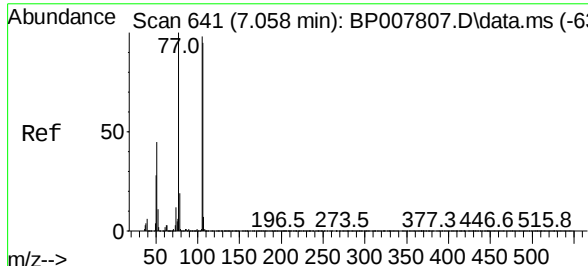
Ion Ratio Lower Upper

99 100

42 18.8 14.9 22.3

71 54.2 29.2 43.8#





Benzaldehyde

Concen: 5.14 ng

RT: 6.999 min Scan#

Delta R.T. 0.006 min

Lab File: BP007956.D

Acq: 11 Nov 2021 21:11

Instrument :

BNA\_P

ClientSampleId :

SB-13E-25.5-26

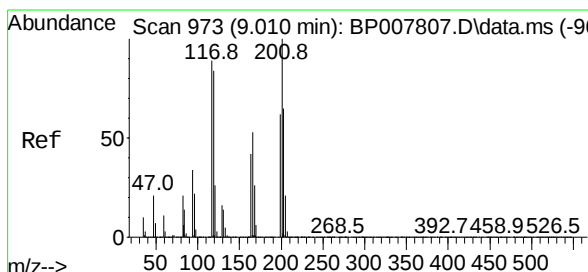
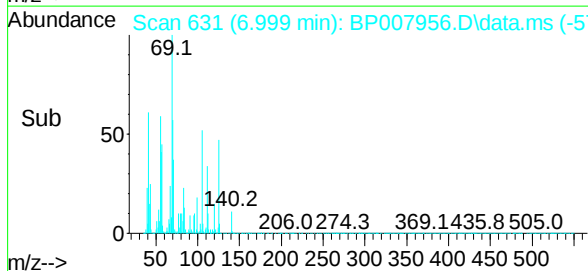
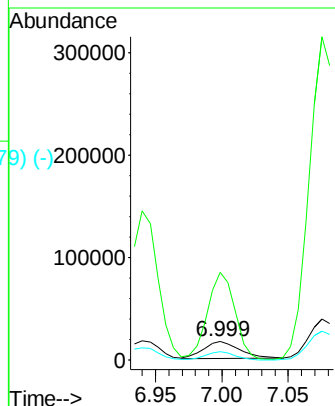
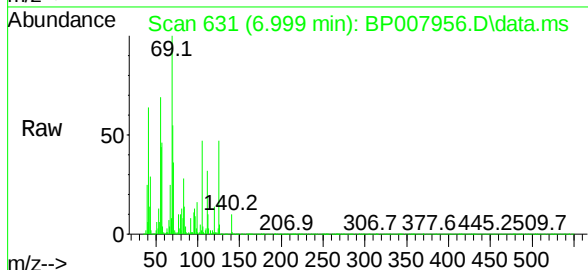
Tgt Ion: 77 Resp: 31142

Ion Ratio Lower Upper

77 100

105 474.0 77.5 117.5#

106 43.7 72.1 112.1#



Hexachloroethane

Concen: 29.57 ng

RT: 8.957 min Scan# 964

Delta R.T. 0.023 min

Lab File: BP007956.D

Acq: 11 Nov 2021 21:11

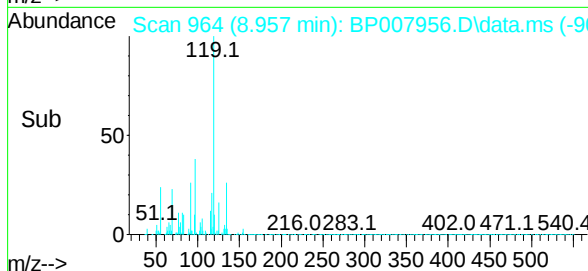
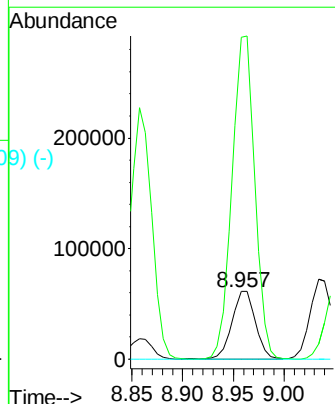
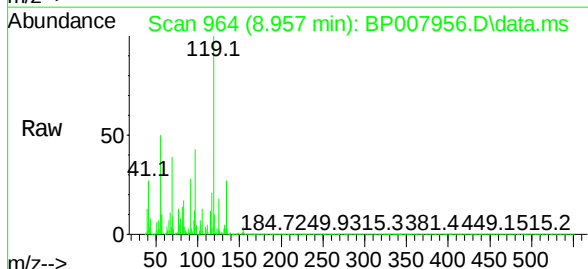
Tgt Ion: 117 Resp: 98611

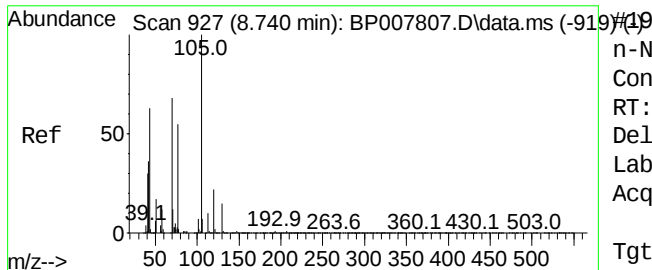
Ion Ratio Lower Upper

117 100

119 476.6 77.6 116.4#

201 0.0 82.9 124.3#

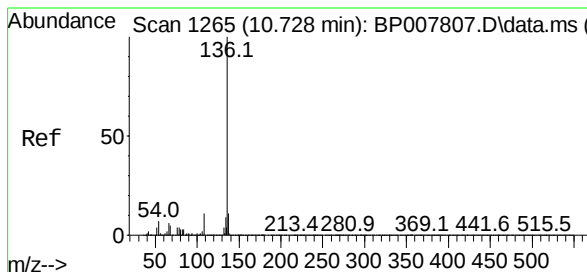
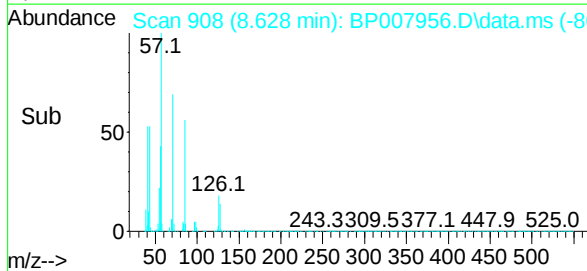
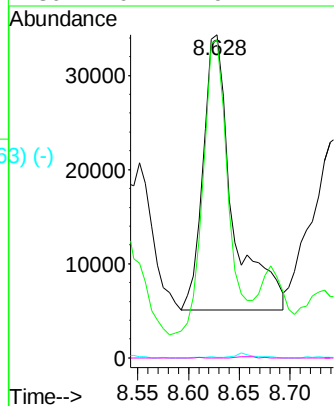
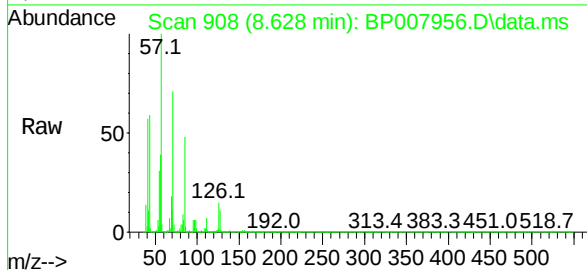




n-Nitroso-di-n-propylamine  
 Concen: 8.67 ng  
 RT: 8.628 min Scan# 119  
 Delta R.T. -0.035 min  
 Lab File: BP007956.D  
 Acq: 11 Nov 2021 21:11

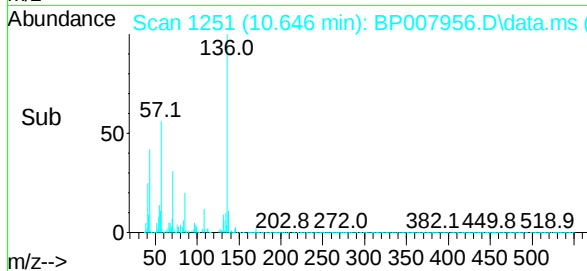
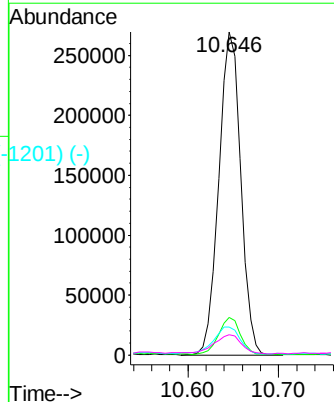
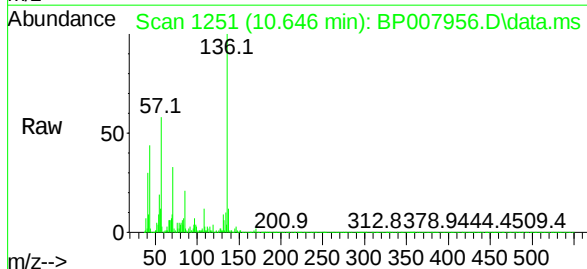
Instrument :  
 BNA\_P  
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 SB-13E-25.5-26

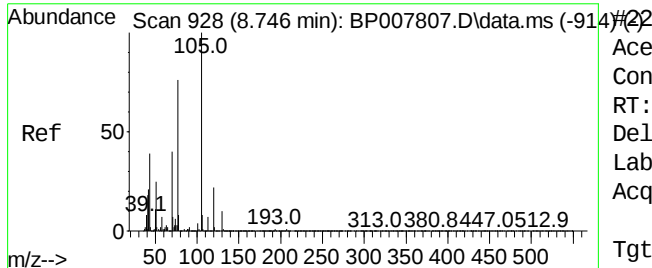
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|----------|-------|-------|-------|
| Tgt Ion: | 70    | Resp: | 59108 |
| Ion      | Ratio | Lower | Upper |
| 70       | 100   |       |       |
| 42       | 98.4  | 46.2  | 69.2# |
| 101      | 0.2   | 7.7   | 11.5# |
| 130      | 0.1   | 16.2  | 24.4# |



Naphthalene-d8  
 Concen: 20.00 ng  
 RT: 10.646 min Scan# 1251  
 Delta R.T. -0.006 min  
 Lab File: BP007956.D  
 Acq: 11 Nov 2021 21:11

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 451737 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.6  | 8.6   | 13.0   |
| 54       | 8.6   | 6.2   | 9.4    |
| 68       | 6.3   | 4.7   | 7.1    |





Acetophenone

Concen: 28.31 ng

RT: 8.657 min Scan#

Delta R.T. -0.018 min

Lab File: BP007956.D

Acq: 11 Nov 2021 21:11

Instrument :

BNA\_P

ClientSampleId :

SB-13E-25.5-26

Tgt Ion:105 Resp: 322220

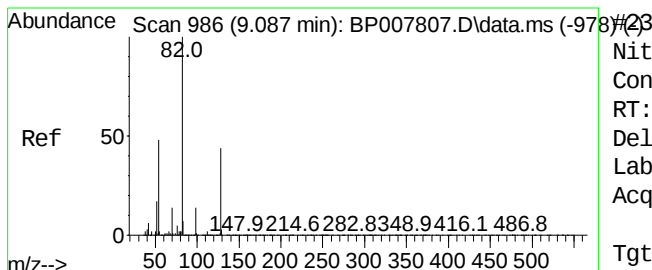
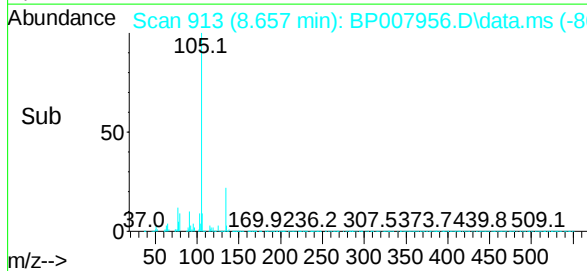
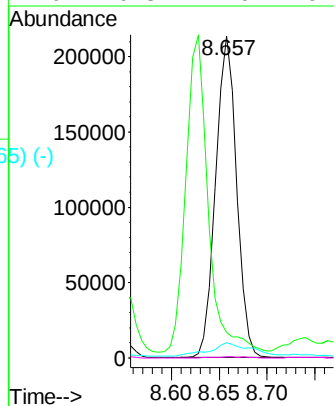
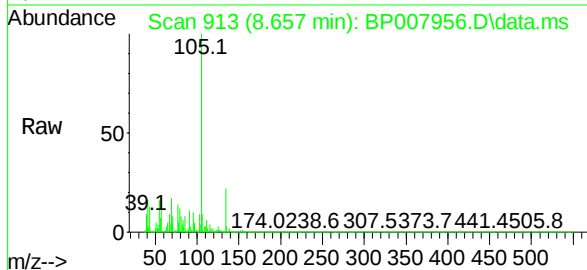
Ion Ratio Lower Upper

105 100

71 7.9 4.5 6.7#

51 4.7 21.8 32.8#

120 0.3 17.6 26.4#



Nitrobenzene-d5

Concen: 105.90 ng

RT: 9.010 min Scan# 973

Delta R.T. -0.000 min

Lab File: BP007956.D

Acq: 11 Nov 2021 21:11

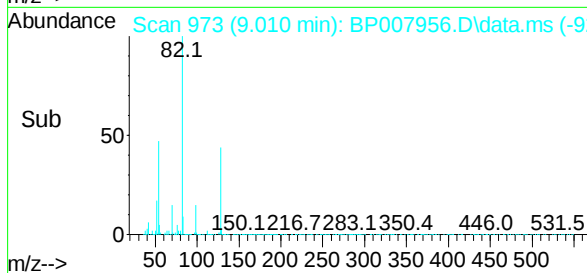
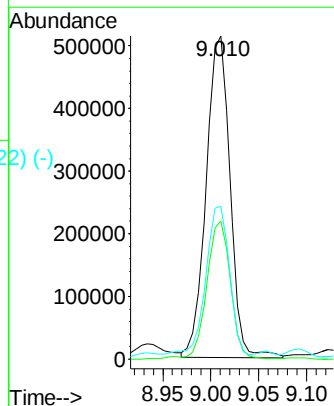
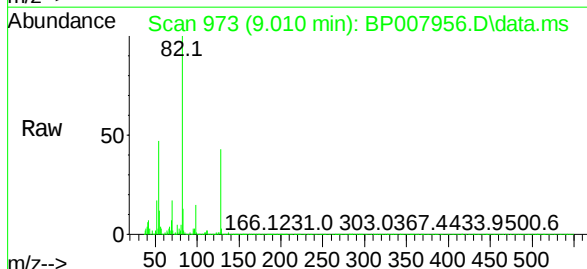
Tgt Ion: 82 Resp: 890579

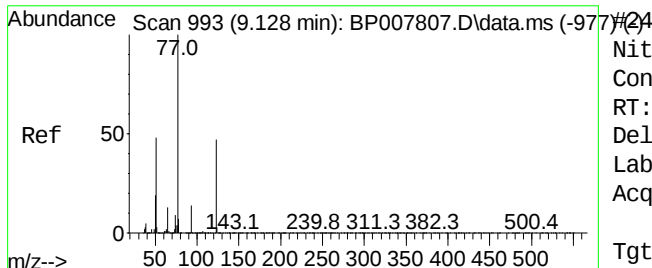
Ion Ratio Lower Upper

82 100

128 42.8 32.6 48.8

54 47.3 40.4 60.6





Nitrobenzene

Concen: 2.23 ng

RT: 9.057 min Scan# 1069

Delta R.T. 0.006 min

Lab File: BP007956.D

Acq: 11 Nov 2021 21:11

Instrument :

BNA\_P

ClientSampleId :

SB-13E-25.5-26

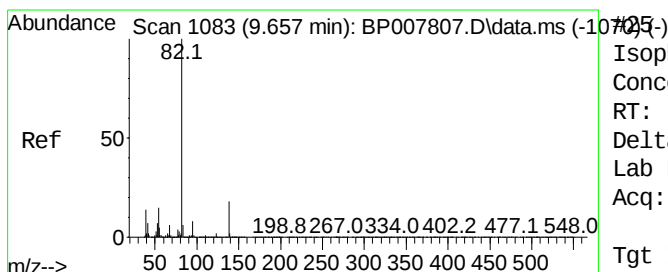
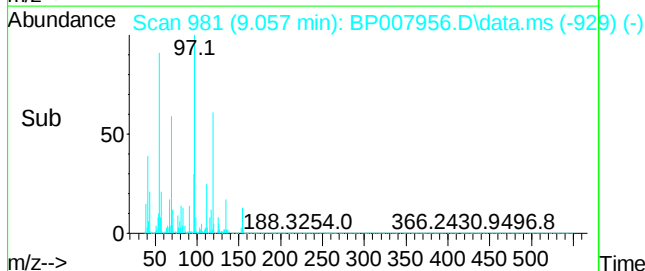
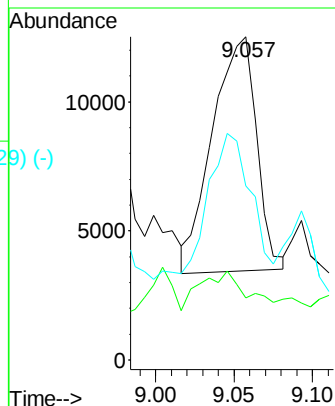
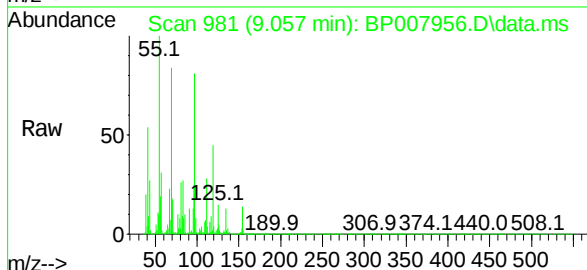
Tgt Ion: 77 Resp: 17810

Ion Ratio Lower Upper

77 100

123 19.2 35.3 52.9#

65 53.9 10.9 16.3#



Isophorone

Concen: 4.11 ng

RT: 9.575 min Scan# 1069

Delta R.T. -0.012 min

Lab File: BP007956.D

Acq: 11 Nov 2021 21:11

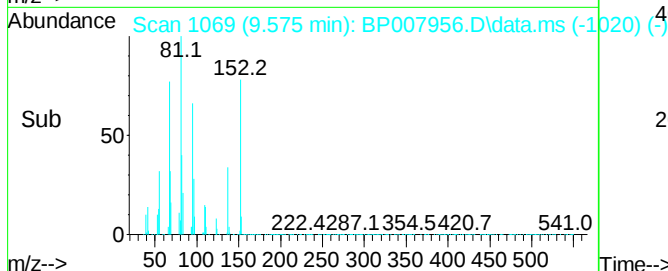
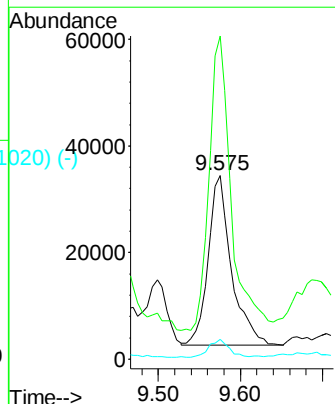
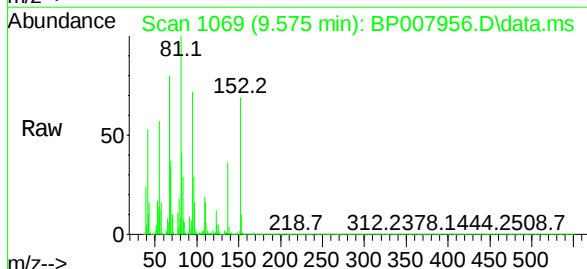
Tgt Ion: 82 Resp: 62772

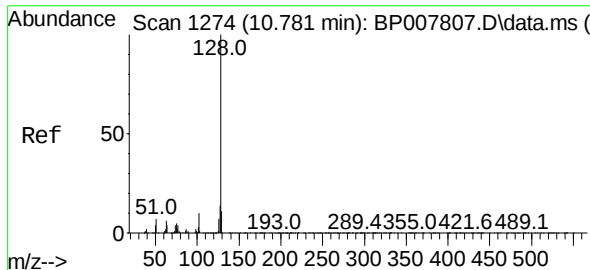
Ion Ratio Lower Upper

82 100

95 176.0 6.2 9.2#

138 10.6 14.0 21.0#

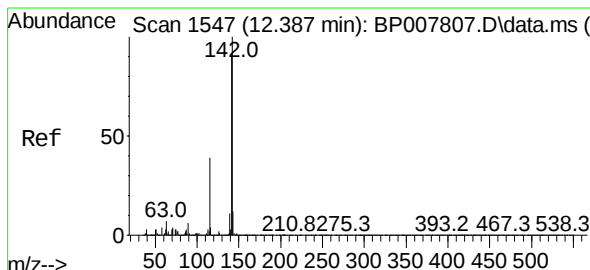
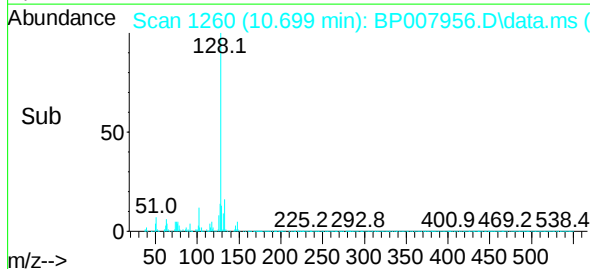
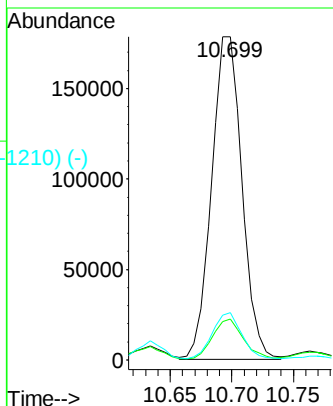
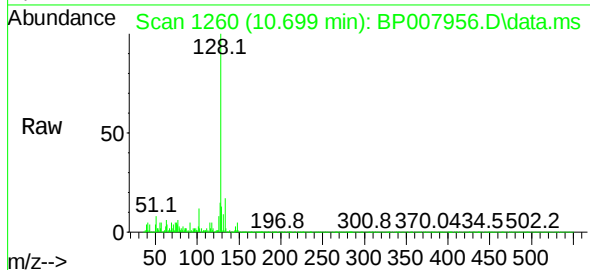




Naphthalene  
Concen: 13.43 ng  
RT: 10.699 min Scan# 1260  
Delta R.T. -0.006 min  
Lab File: BP007956.D  
Acq: 11 Nov 2021 21:11

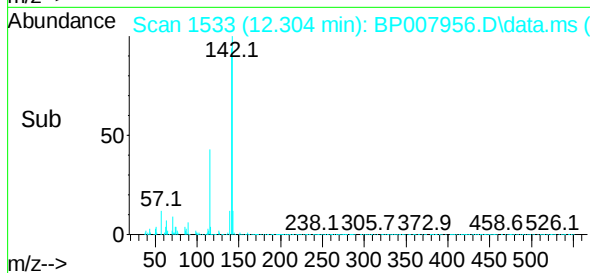
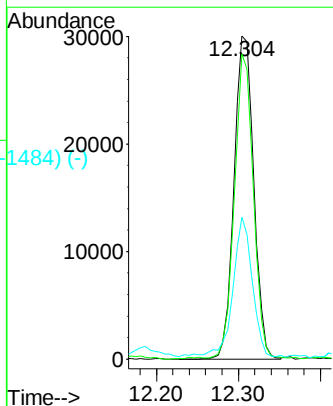
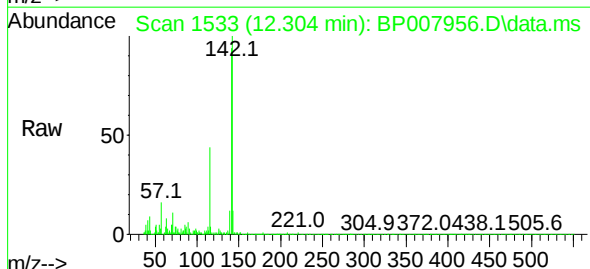
Instrument :  
BNA\_P  
ClientSampleId :  
SB-13E-25.5-26

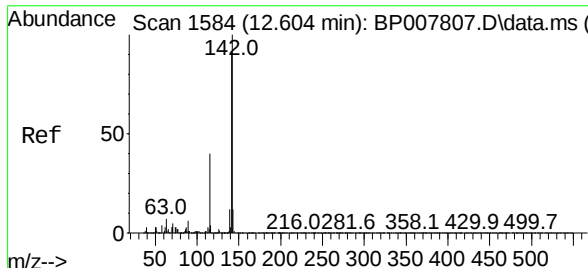
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|----------|-------|-------|--------|
| Tgt Ion: | 128   | Resp: | 306808 |
| Ion      | Ratio | Lower | Upper  |
| 128      | 100   |       |        |
| 129      | 12.6  | 8.9   | 13.3   |
| 127      | 14.6  | 10.2  | 15.4   |



2-Methylnaphthalene  
Concen: 2.97 ng  
RT: 12.304 min Scan# 1533  
Delta R.T. -0.012 min  
Lab File: BP007956.D  
Acq: 11 Nov 2021 21:11

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 142   | Resp: | 50069 |
| Ion      | Ratio | Lower | Upper |
| 142      | 100   |       |       |
| 141      | 94.5  | 71.4  | 107.0 |
| 115      | 43.9  | 29.5  | 44.3  |

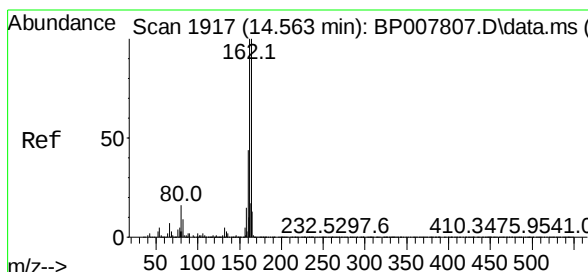
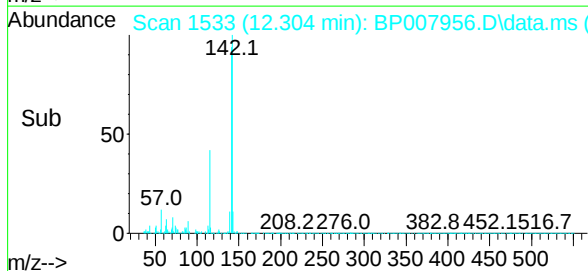
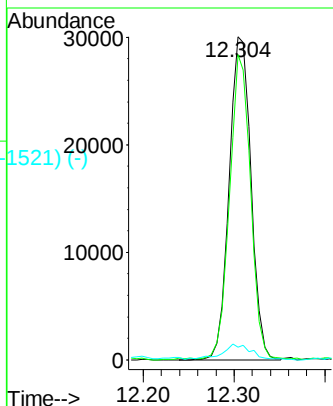
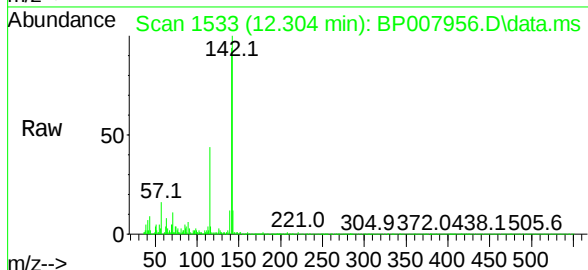




1-Methylnaphthalene  
 Concen: 3.03 ng  
 RT: 12.304 min Scan# 1584  
 Delta R.T. -0.230 min  
 Lab File: BP007956.D  
 Acq: 11 Nov 2021 21:11

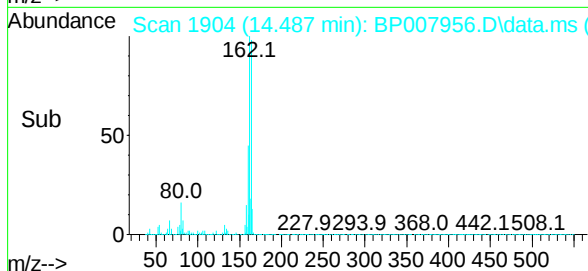
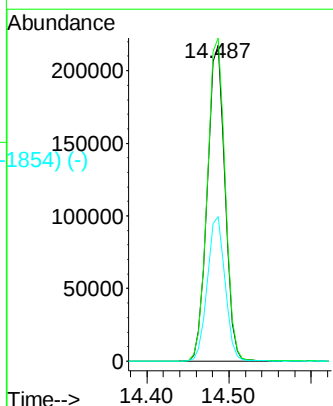
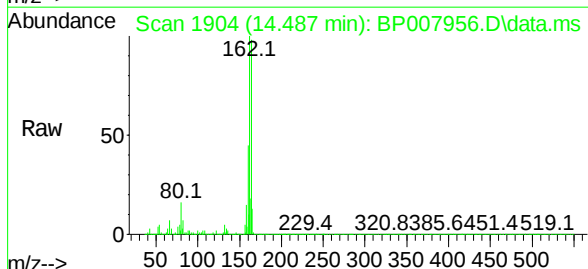
Instrument :  
 BNA\_P  
 ClientSampleId :  
 SB-13E-25.5-26

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 142   | Resp: | 49995 |
| Ion      | Ratio | Lower | Upper |
| 142      | 100   |       |       |
| 141      | 94.5  | 74.4  | 111.6 |
| 116      | 4.0   | 3.4   | 5.0   |



Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 14.487 min Scan# 1904  
 Delta R.T. -0.006 min  
 Lab File: BP007956.D  
 Acq: 11 Nov 2021 21:11

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 164   | Resp: | 326266 |
| Ion      | Ratio | Lower | Upper  |
| 164      | 100   |       |        |
| 162      | 102.2 | 81.1  | 121.7  |
| 160      | 45.7  | 36.0  | 54.0   |



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

2,4,6-Tribromophenol

Concen: 181.88 ng

RT: 15.981 min Scan# 1602

Delta R.T. -0.006 min

Lab File: BP007956.D

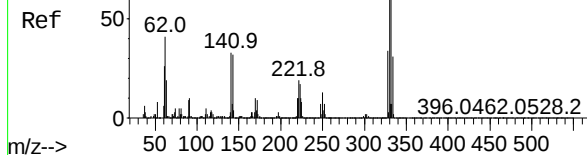
Acq: 11 Nov 2021 21:11

Instrument :

BNA\_P

ClientSampleId :

SB-13E-25.5-26



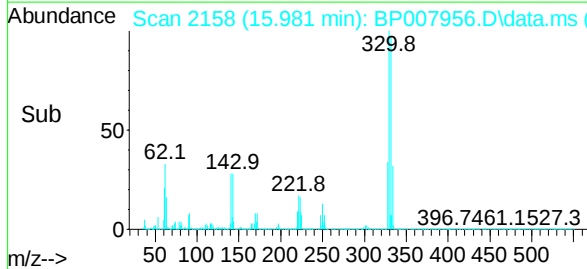
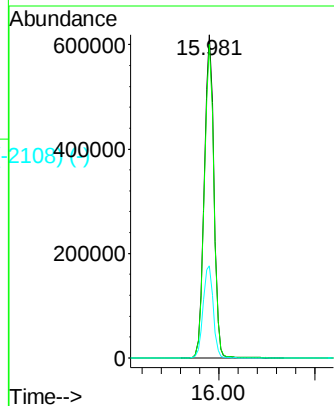
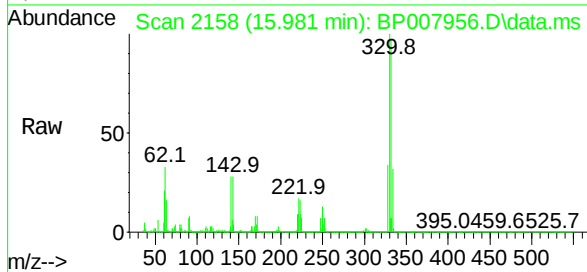
Tgt Ion:330 Resp: 846882

Ion Ratio Lower Upper

330 100

332 96.6 78.9 118.3

141 30.0 30.7 46.1#



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

2-Fluorobiphenyl

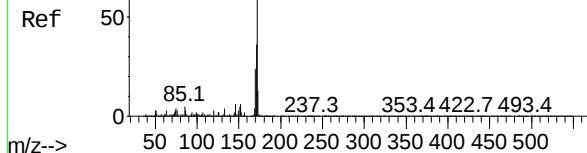
Concen: 89.12 ng

RT: 13.110 min Scan# 1670

Delta R.T. -0.006 min

Lab File: BP007956.D

Acq: 11 Nov 2021 21:11



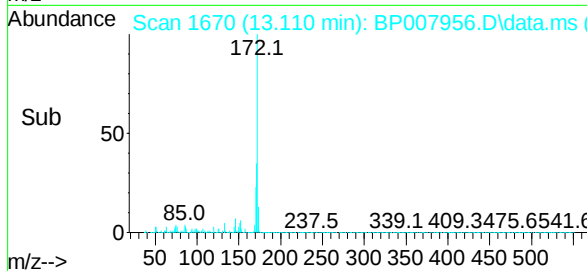
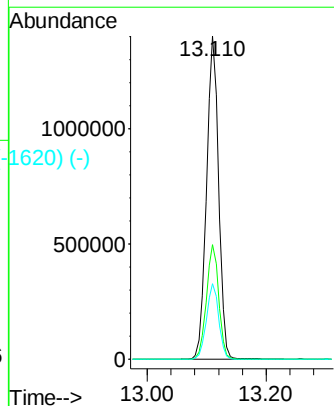
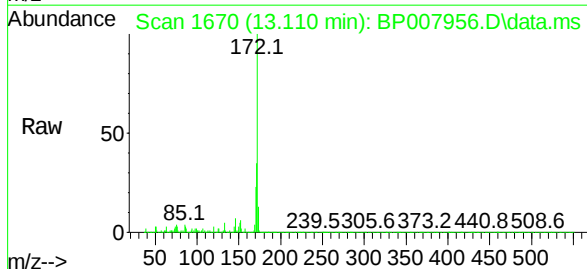
Tgt Ion:172 Resp: 1996723

Ion Ratio Lower Upper

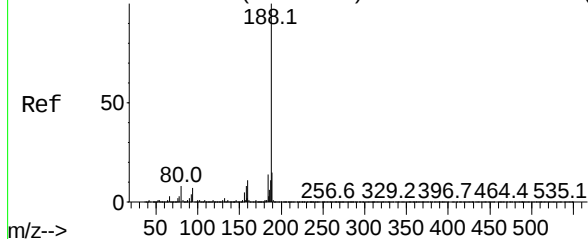
172 100

171 35.5 28.2 42.2

170 23.4 19.0 28.4



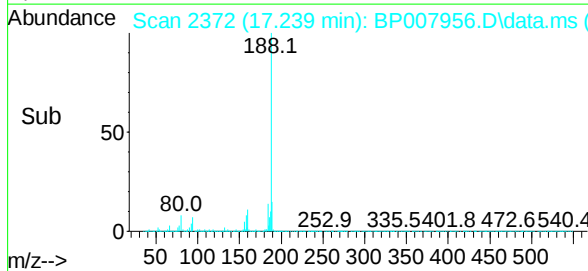
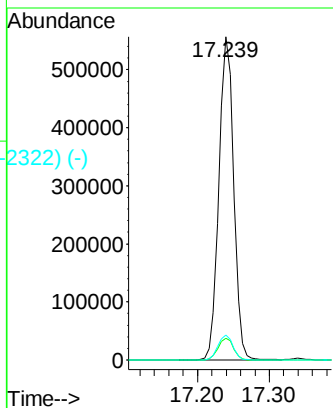
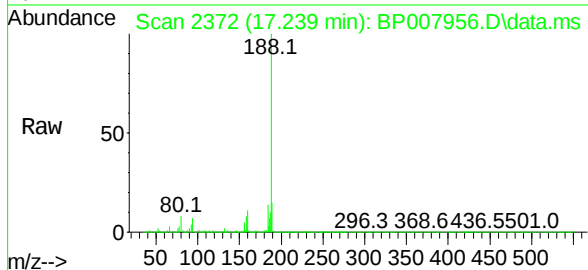
Abundance Scan 2386 (17.322 min): BP007807.D\data.ms (-2386) (-)



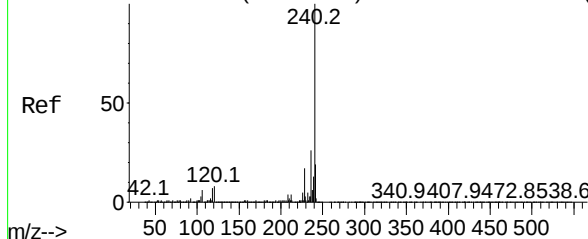
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.239 min Scan# 1  
Delta R.T. -0.006 min  
Lab File: BP007956.D  
Acq: 11 Nov 2021 21:11

Instrument :  
BNA\_P  
ClientSampleId :  
SB-13E-25.5-26

Tgt Ion:188 Resp: 792970  
Ion Ratio Lower Upper  
188 100  
94 6.7 7.1 10.7#  
80 7.6 7.8 11.6#

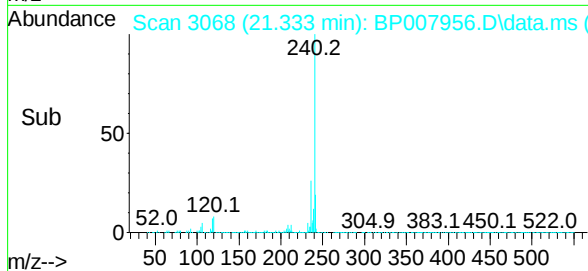
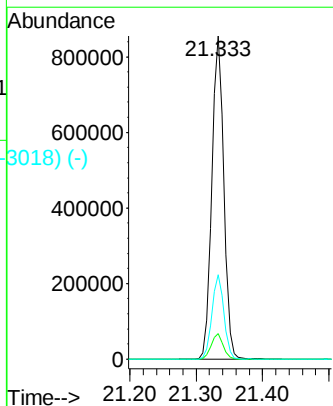
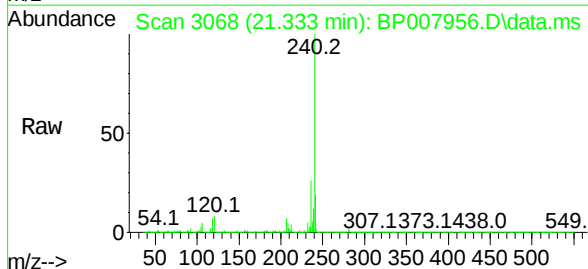


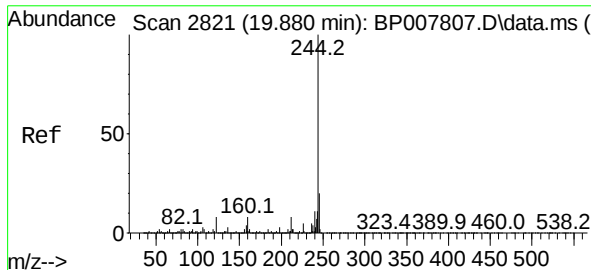
Abundance Scan 3082 (21.416 min): BP007807.D\data.ms (-3073) (-)



Chrysene-d12  
Concen: 20.00 ng  
RT: 21.333 min Scan# 3068  
Delta R.T. -0.006 min  
Lab File: BP007956.D  
Acq: 11 Nov 2021 21:11

Tgt Ion:240 Resp: 1076822  
Ion Ratio Lower Upper  
240 100  
120 7.9 7.8 11.8  
236 26.2 20.6 30.8





Terphenyl-d14

Concen: 83.41 ng

RT: 19.810 min Scan# 1

Delta R.T. -0.000 min

Lab File: BP007956.D

Acq: 11 Nov 2021 21:11

Instrument :

BNA\_P

ClientSampleId :

SB-13E-25.5-26

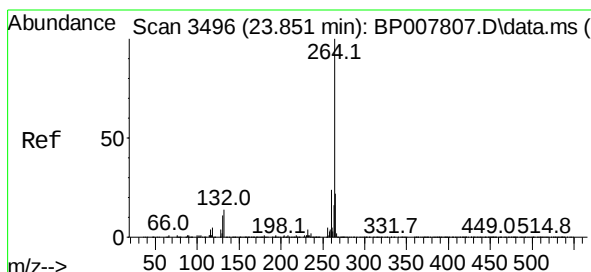
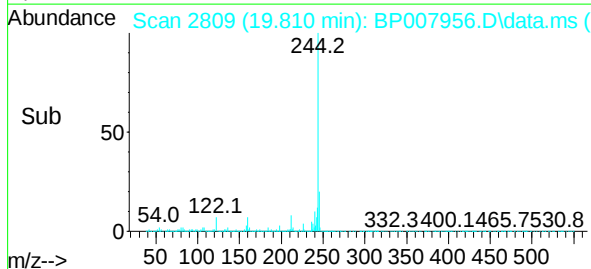
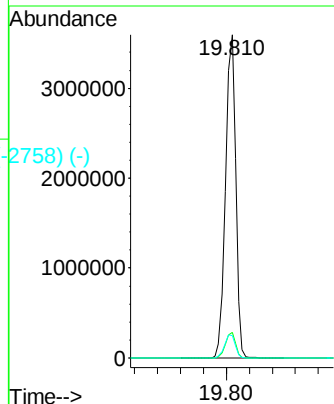
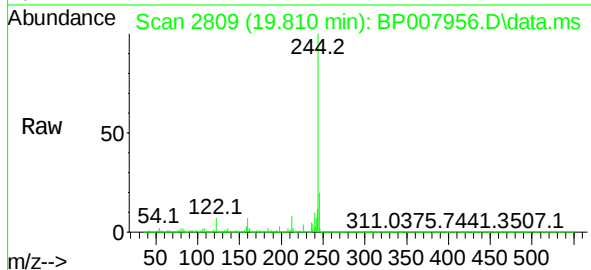
Tgt Ion:244 Resp: 4410627

Ion Ratio Lower Upper

244 100

212 7.8 6.2 9.2

122 7.0 7.8 11.8#



Perylene-d12

Concen: 20.00 ng

RT: 23.739 min Scan# 3477

Delta R.T. -0.012 min

Lab File: BP007956.D

Acq: 11 Nov 2021 21:11

Tgt Ion:264 Resp: 1136089

Ion Ratio Lower Upper

264 100

260 23.7 19.1 28.7

265 22.2 16.7 25.1

