

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP111121\  
 Data File : BP007951.D  
 Acq On : 11 Nov 2021 18:22  
 Operator : CG/JU  
 Sample : M4630-10  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SB-13S-16.0-16.5

Quant Time: Nov 12 00:28:41 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

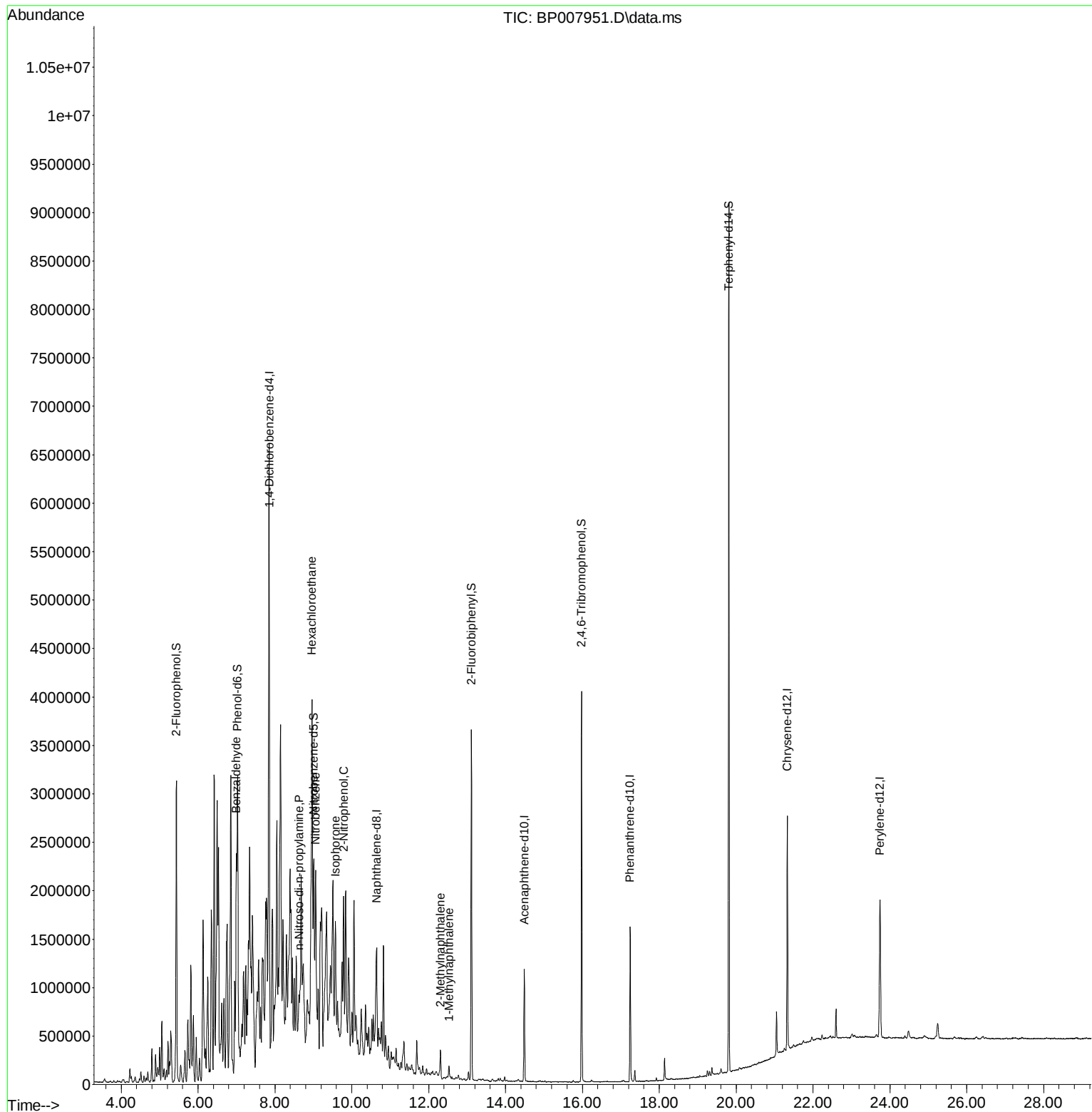
| Compound                      | R.T.   | QIon | Response | Conc      | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|-------|----------|
| -----                         |        |      |          |           |       |          |
| Internal Standards            |        |      |          |           |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.852  | 152  | 152502   | 20.00     | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.646 | 136  | 559779   | 20.00     | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.487 | 164  | 401654   | 20.00     | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.239 | 188  | 951183   | 20.00     | ng    | # 0.00   |
| 76) Chrysene-d12              | 21.333 | 240  | 1180465  | 20.00     | ng    | 0.00     |
| 86) Perylene-d12              | 23.739 | 264  | 1153714  | 20.00     | ng    | -0.01    |
| System Monitoring Compounds   |        |      |          |           |       |          |
| 5) 2-Fluorophenol             | 5.440  | 112  | 1241990  | 138.12    | ng    | 0.00     |
| 7) Phenol-d6                  | 7.028  | 99   | 1439801  | 110.62    | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.010  | 82   | 844567   | 81.05     | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 15.981 | 330  | 826205   | 144.13    | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.110 | 172  | 1853287  | 67.19     | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.810 | 244  | 4119457  | 71.06     | ng    | 0.00     |
| Target Compounds              |        |      |          |           |       |          |
|                               |        |      |          |           |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.340  | 88   | 48       | Below Cal | #     | 1        |
| 9) Benzaldehyde               | 6.993  | 77   | 34575    | 4.89      | ng    | # 7      |
| 18) Hexachloroethane          | 8.963  | 117  | 186642   | 47.93     | ng    | # 1      |
| 19) n-Nitroso-di-n-propyla... | 8.628  | 70   | 55350    | 6.95      | ng    | # 76     |
| 24) Nitrobenzene              | 9.052  | 77   | 44992    | 4.54      | ng    | # 44     |
| 25) Isophorone                | 9.575  | 82   | 121544   | 6.42      | ng    | # 1      |
| 26) 2-Nitrophenol             | 9.787  | 139  | 11732    | 2.34      | ng    | # 1      |
| 37) 2-Methylnaphthalene       | 12.310 | 142  | 107353   | 5.14      | ng    | 95       |
| 38) 1-Methylnaphthalene       | 12.528 | 142  | 53447    | 2.61      | ng    | 100      |
| -----                         |        |      |          |           |       |          |

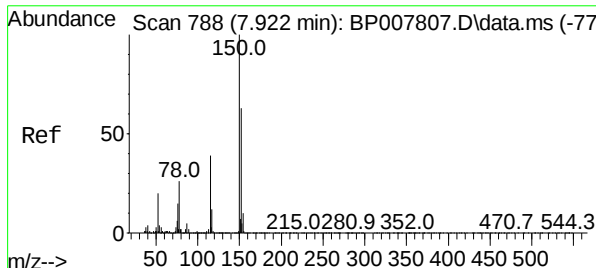
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP111121\  
Data File : BP007951.D  
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Sample : M4630-10  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
SB-13S-16.0-16.5

Quant Time: Nov 12 00:28:41 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

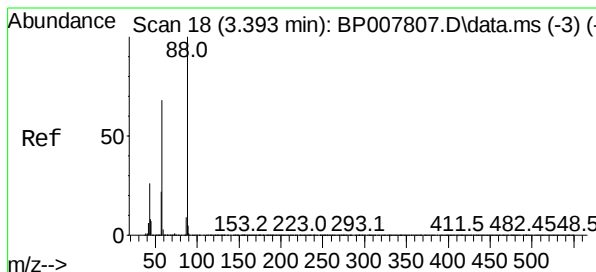
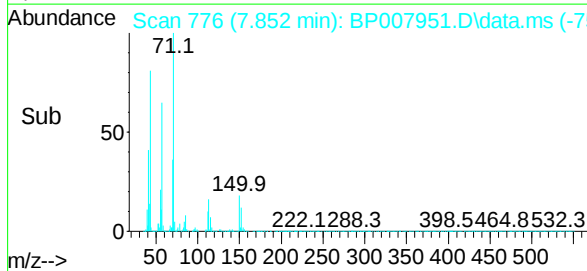
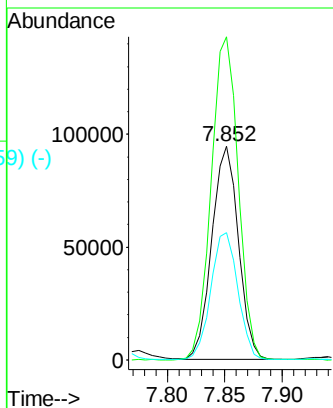
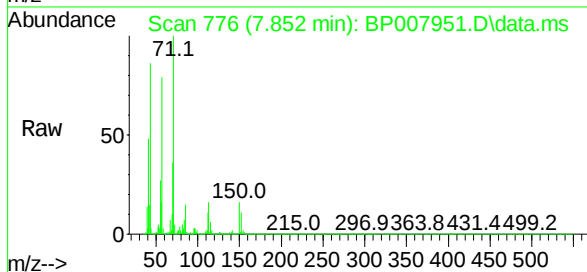




1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 7.852 min Scan#  
 Delta R.T. -0.000 min  
 Lab File: BP007951.D  
 Acq: 11 Nov 2021 18:22

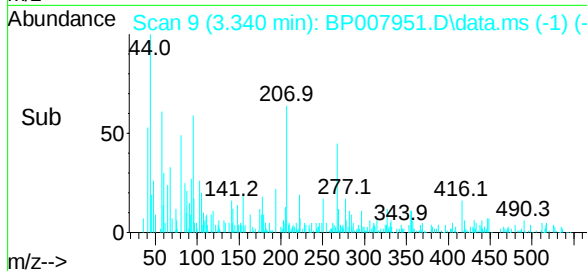
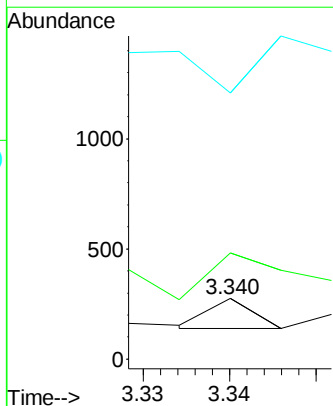
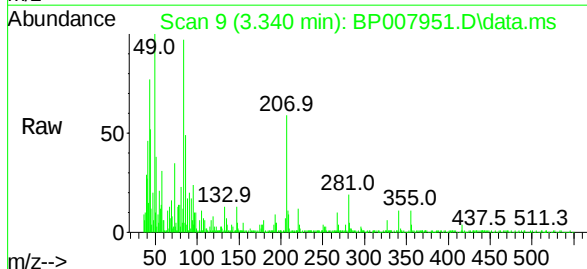
Instrument :  
 BNA\_P  
 ClientSampleId :  
 SB-13S-16.0-16.5

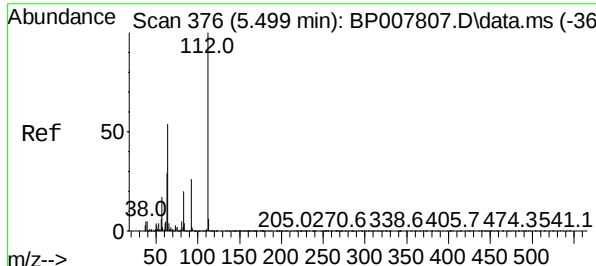
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 152   | Resp: | 152502 |
| Ion      | Ratio | Lower | Upper  |
| 152      | 100   |       |        |
| 150      | 151.0 | 124.1 | 186.1  |
| 115      | 59.5  | 48.1  | 72.1   |



1,4-Dioxane  
 Concen: Below Cal  
 RT: 3.340 min Scan# 9  
 Delta R.T. -0.000 min  
 Lab File: BP007951.D  
 Acq: 11 Nov 2021 18:22

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 88    | Resp: | 48    |
| Ion      | Ratio | Lower | Upper |
| 88       | 100   |       |       |
| 58       | 631.3 | 58.1  | 87.1# |
| 43       | 0.0   | 22.2  | 33.4# |





2-Fluorophenol

Concen: 138.12 ng

RT: 5.440 min Scan# 366

Delta R.T. 0.006 min

Lab File: BP007951.D

Acq: 11 Nov 2021 18:22

Instrument :

BNA\_P

ClientSampleId :

SB-13S-16.0-16.5

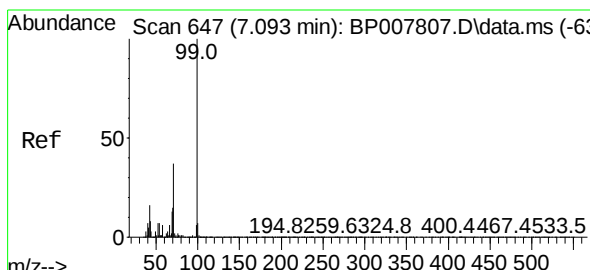
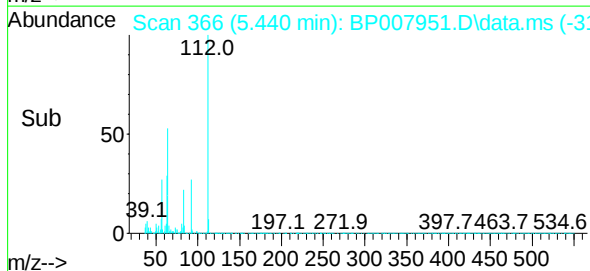
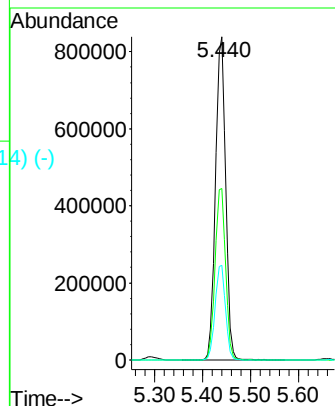
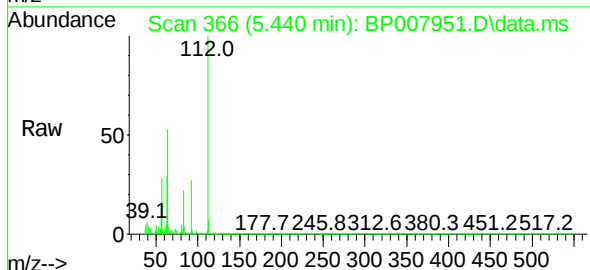
Tgt Ion:112 Resp: 1241990

Ion Ratio Lower Upper

112 100

64 53.0 46.6 70.0

63 29.2 25.0 37.6



Phenol-d6

Concen: 110.62 ng

RT: 7.028 min Scan# 636

Delta R.T. -0.000 min

Lab File: BP007951.D

Acq: 11 Nov 2021 18:22

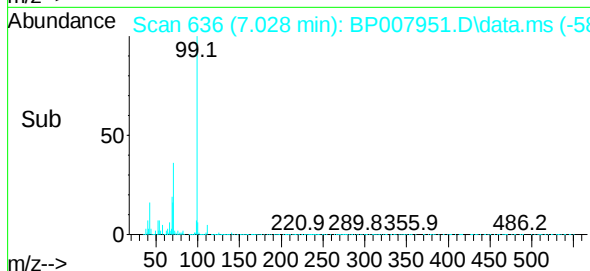
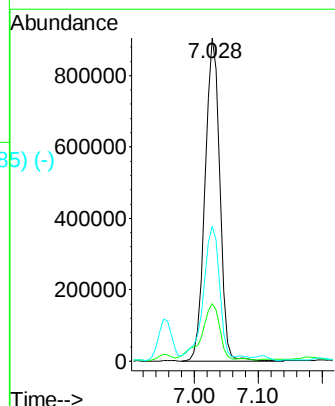
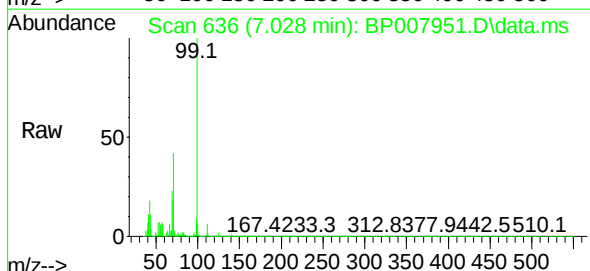
Tgt Ion: 99 Resp: 1439801

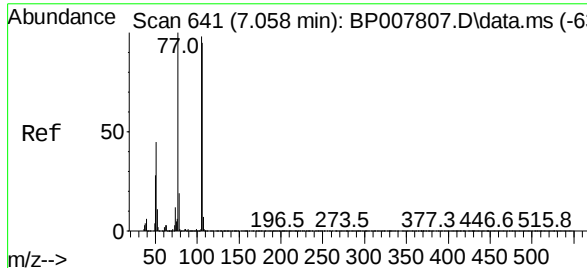
Ion Ratio Lower Upper

99 100

42 17.7 14.9 22.3

71 41.8 29.2 43.8





Benzaldehyde

Concen: 4.89 ng

RT: 6.993 min Scan# 9

Delta R.T. -0.000 min

Lab File: BP007951.D

Acq: 11 Nov 2021 18:22

Instrument :

BNA\_P

ClientSampleId :

SB-13S-16.0-16.5

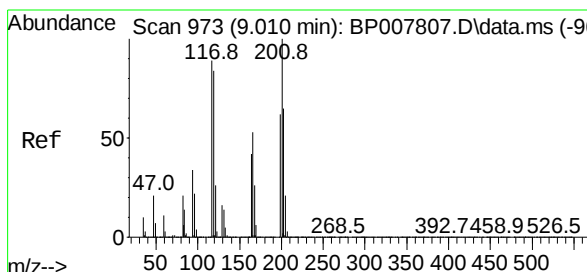
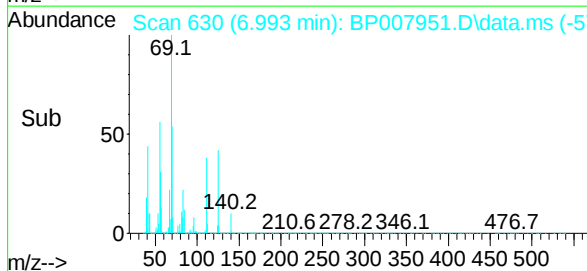
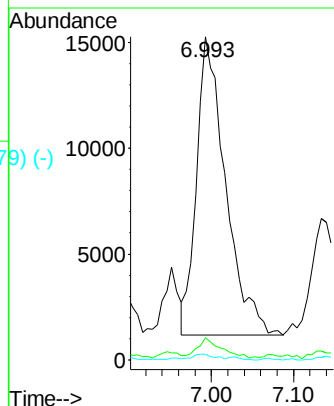
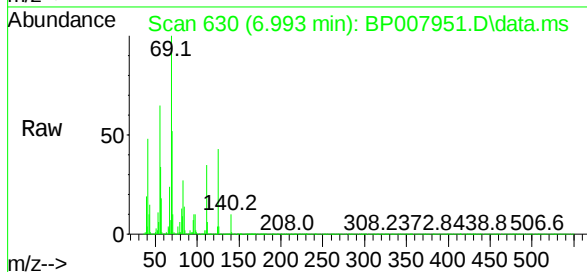
Tgt Ion: 77 Resp: 34575

Ion Ratio Lower Upper

77 100

105 6.9 77.5 117.5#

106 1.7 72.1 112.1#



Hexachloroethane

Concen: 47.93 ng

RT: 8.963 min Scan# 965

Delta R.T. 0.029 min

Lab File: BP007951.D

Acq: 11 Nov 2021 18:22

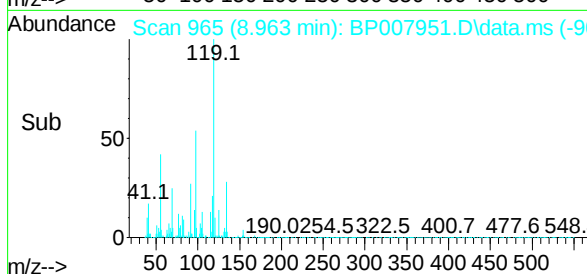
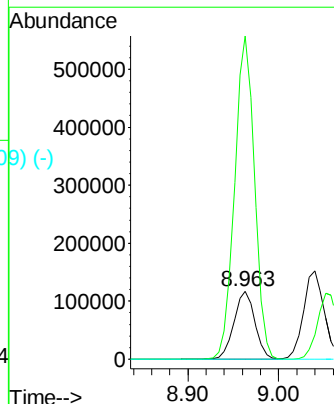
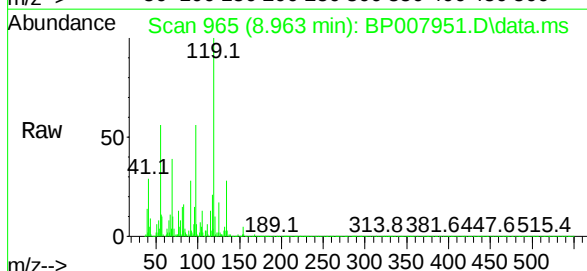
Tgt Ion: 117 Resp: 186642

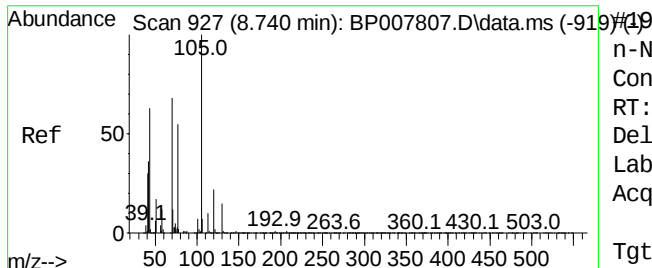
Ion Ratio Lower Upper

117 100

119 475.1 77.6 116.4#

201 0.0 82.9 124.3#

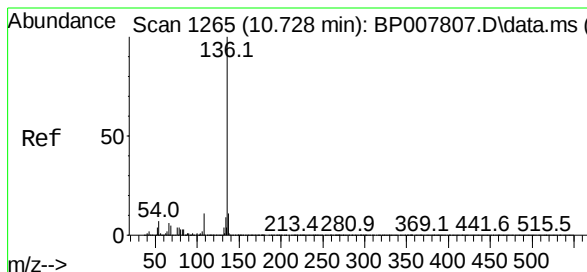
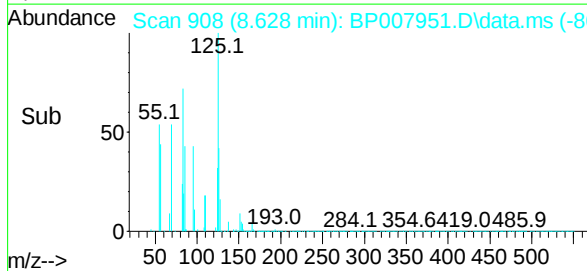
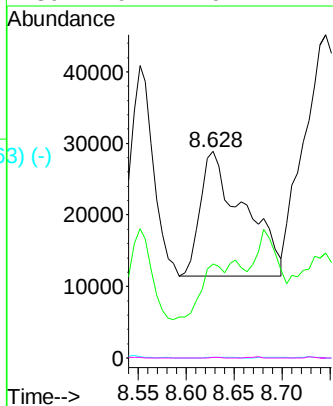
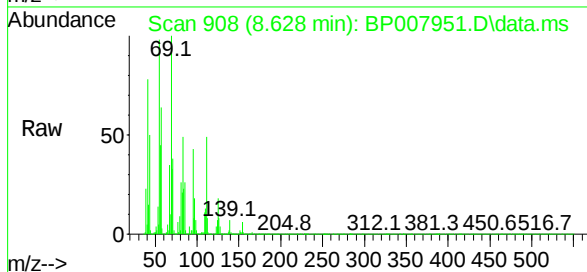




n-Nitroso-di-n-propylamine  
 Concen: 6.95 ng  
 RT: 8.628 min Scan# 119  
 Delta R.T. -0.035 min  
 Lab File: BP007951.D  
 Acq: 11 Nov 2021 18:22

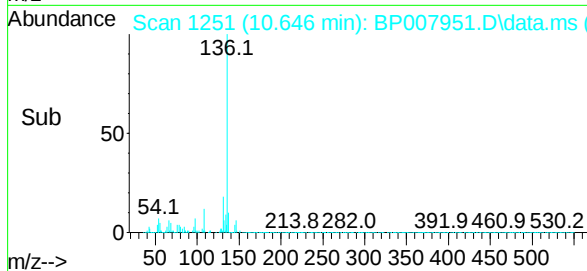
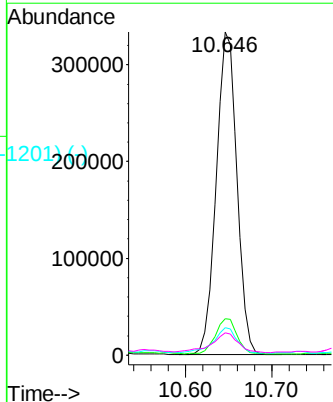
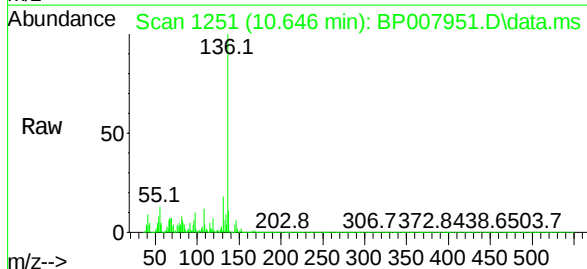
Instrument :  
 BNA\_P  
 ClientSampleId :  
 SB-13S-16.0-16.5

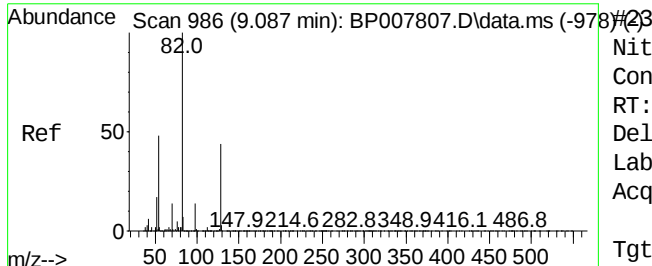
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 70    | Resp: | 55350 |
| Ion      | Ratio | Lower | Upper |
| 70       | 100   |       |       |
| 42       | 45.5  | 46.2  | 69.2# |
| 101      | 0.3   | 7.7   | 11.5# |
| 130      | 0.1   | 16.2  | 24.4# |



Naphthalene-d8  
 Concen: 20.00 ng  
 RT: 10.646 min Scan# 1251  
 Delta R.T. -0.006 min  
 Lab File: BP007951.D  
 Acq: 11 Nov 2021 18:22

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 559779 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.4  | 8.6   | 13.0   |
| 54       | 8.4   | 6.2   | 9.4    |
| 68       | 7.0   | 4.7   | 7.1    |





Nitrobenzene-d5

Concen: 81.05 ng

RT: 9.010 min Scan#

Delta R.T. -0.000 min

Lab File: BP007951.D

Acq: 11 Nov 2021 18:22

Instrument :

BNA\_P

ClientSampleId :

SB-13S-16.0-16.5

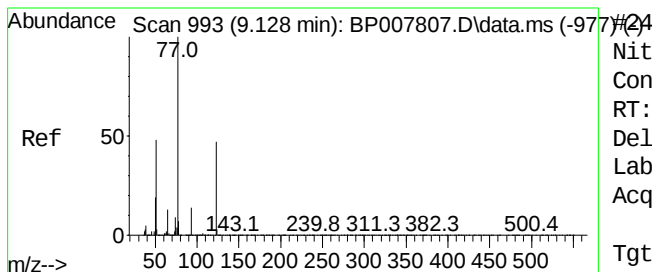
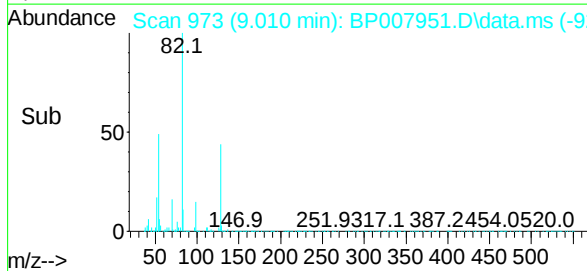
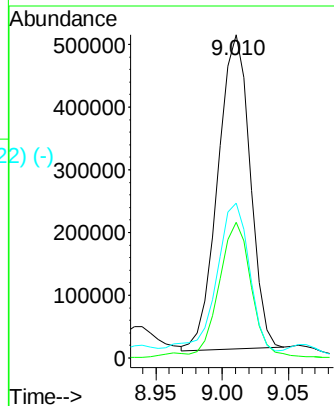
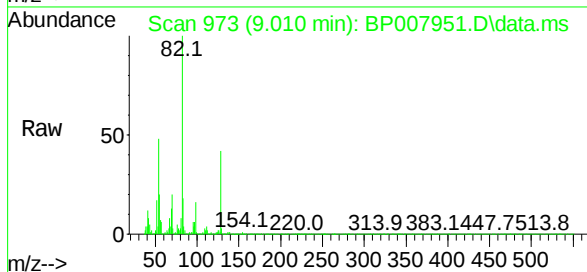
Tgt Ion: 82 Resp: 844567

Ion Ratio Lower Upper

82 100

128 41.9 32.6 48.8

54 47.9 40.4 60.6



Nitrobenzene

Concen: 4.54 ng

RT: 9.052 min Scan# 980

Delta R.T. -0.000 min

Lab File: BP007951.D

Acq: 11 Nov 2021 18:22

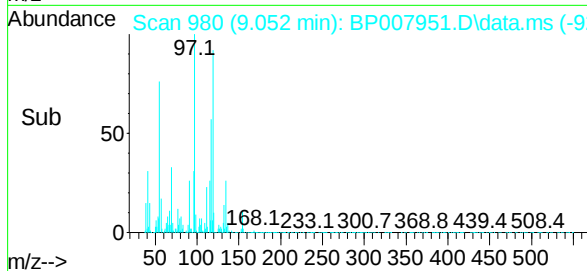
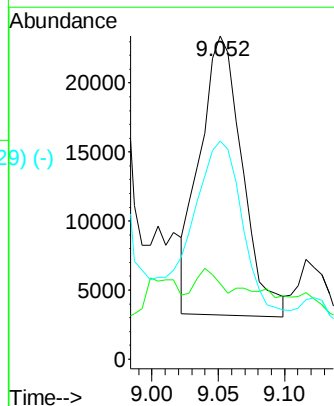
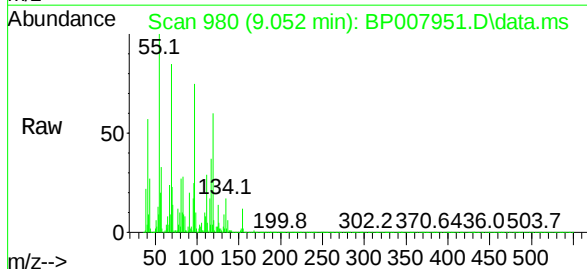
Tgt Ion: 77 Resp: 44992

Ion Ratio Lower Upper

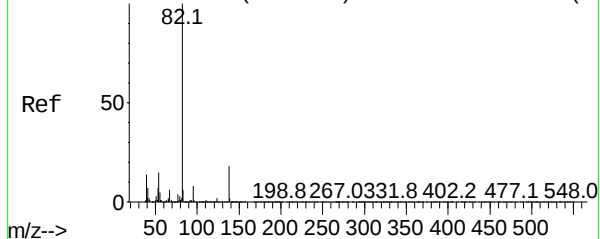
77 100

123 23.3 35.3 52.9#

65 67.4 10.9 16.3#



Abundance Scan 1083 (9.657 min): BP007807.D\data.ms (-1025-)



Isophorone

Concen: 6.42 ng

RT: 9.575 min Scan# 1083

Delta R.T. -0.012 min

Lab File: BP007951.D

Acq: 11 Nov 2021 18:22

Instrument :

BNA\_P

ClientSampleId :

SB-13S-16.0-16.5

Tgt Ion: 82 Resp: 121544

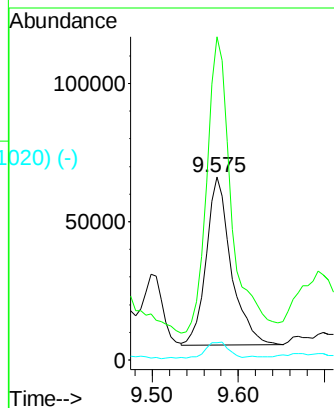
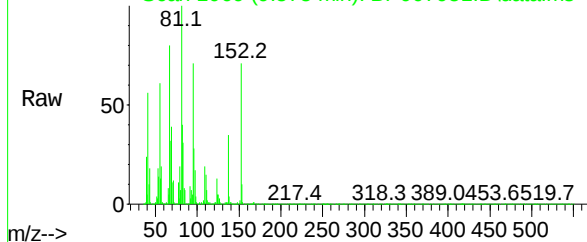
Ion Ratio Lower Upper

82 100

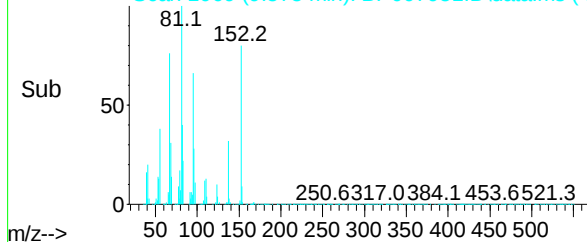
95 176.9 6.2 9.2#

138 9.6 14.0 21.0#

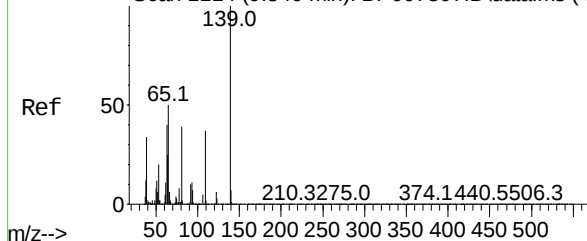
Abundance Scan 1069 (9.575 min): BP007951.D\data.ms



Abundance Scan 1069 (9.575 min): BP007951.D\data.ms (-1020-)



Abundance Scan 1114 (9.840 min): BP007807.D\data.ms (-1102-)



2-Nitrophenol

Concen: 2.34 ng

RT: 9.787 min Scan# 1105

Delta R.T. 0.023 min

Lab File: BP007951.D

Acq: 11 Nov 2021 18:22

Tgt Ion:139 Resp: 11732

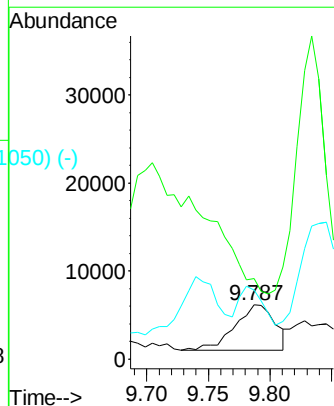
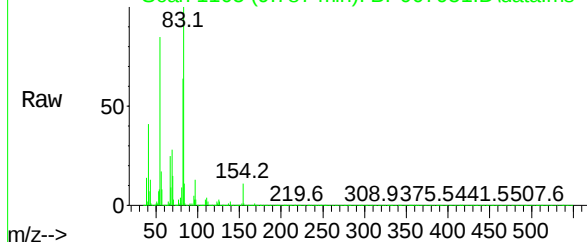
Ion Ratio Lower Upper

139 100

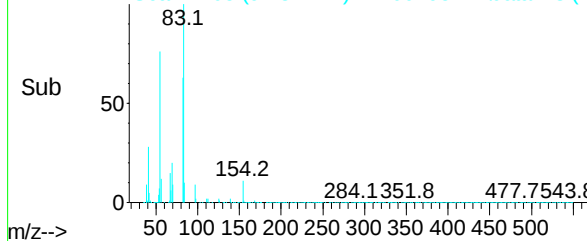
109 149.3 26.2 39.2#

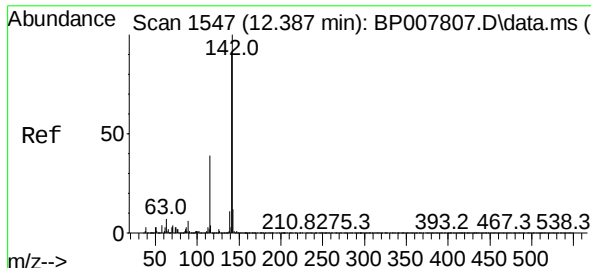
65 127.8 40.3 60.5#

Abundance Scan 1105 (9.787 min): BP007951.D\data.ms



Abundance Scan 1105 (9.787 min): BP007951.D\data.ms (-1050-)

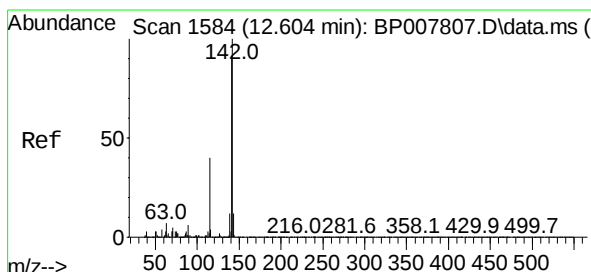
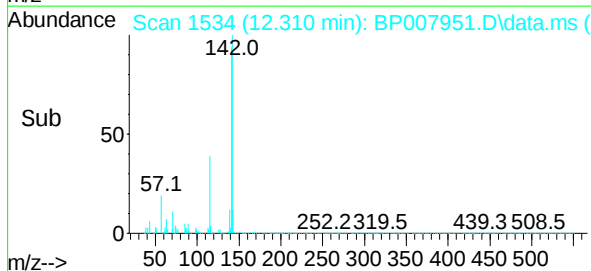
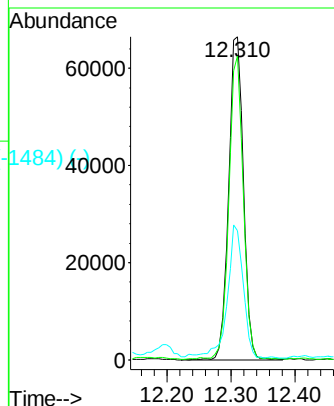
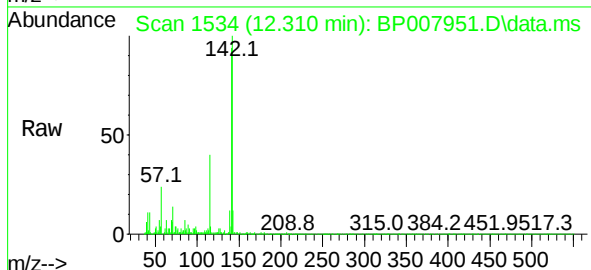




2-Methylnaphthalene  
Concen: 5.14 ng  
RT: 12.310 min Scan# 1537  
Delta R.T. -0.006 min  
Lab File: BP007951.D  
Acq: 11 Nov 2021 18:22

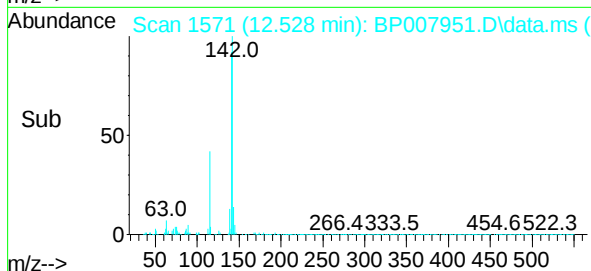
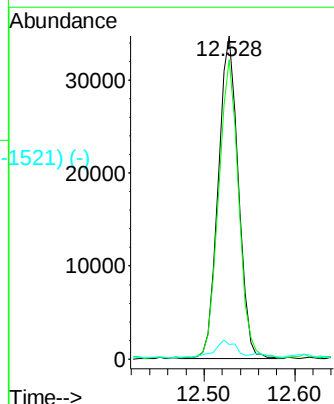
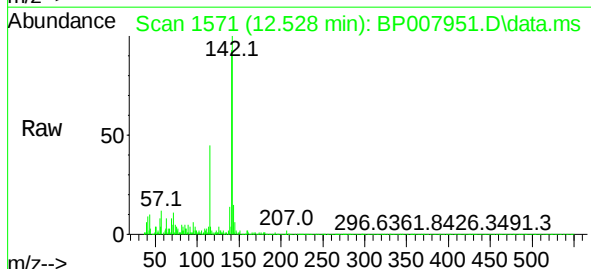
Instrument :  
BNA\_P  
ClientSampleId :  
SB-13S-16.0-16.5

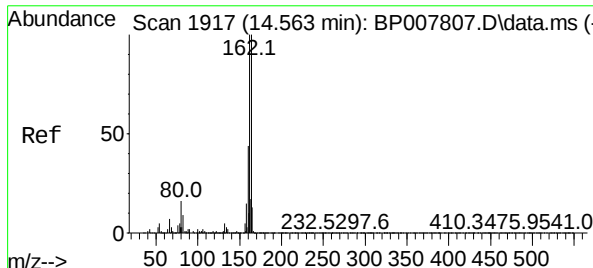
Tgt Ion:142 Resp: 107353  
Ion Ratio Lower Upper  
142 100  
141 94.0 71.4 107.0  
115 39.9 29.5 44.3



1-Methylnaphthalene  
Concen: 2.61 ng  
RT: 12.528 min Scan# 1571  
Delta R.T. -0.006 min  
Lab File: BP007951.D  
Acq: 11 Nov 2021 18:22

Tgt Ion:142 Resp: 53447  
Ion Ratio Lower Upper  
142 100  
141 92.8 74.4 111.6  
116 4.4 3.4 5.0

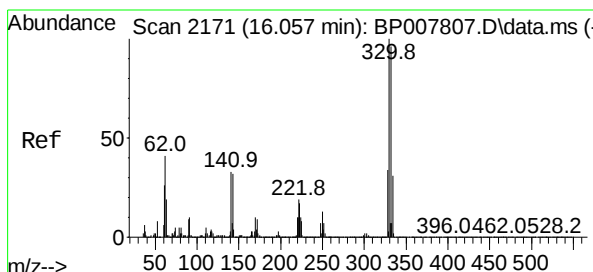
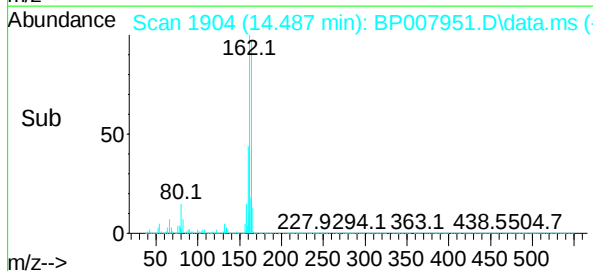
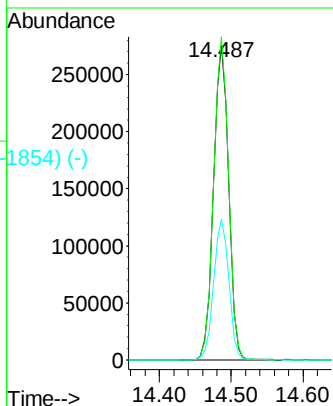
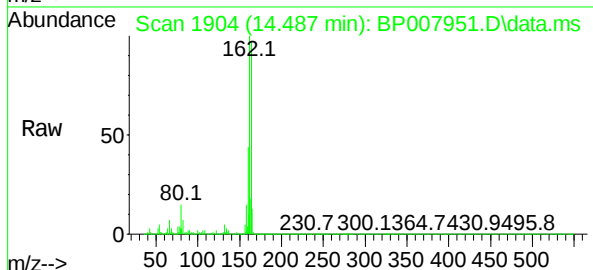




Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 14.487 min Scan# 1904  
 Delta R.T. -0.006 min  
 Lab File: BP007951.D  
 Acq: 11 Nov 2021 18:22

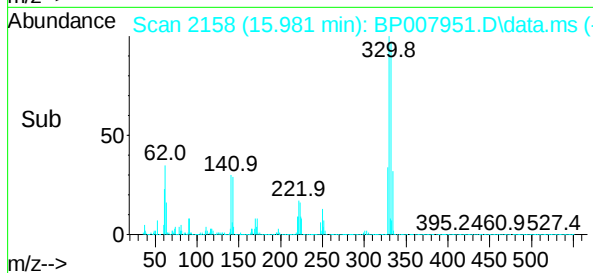
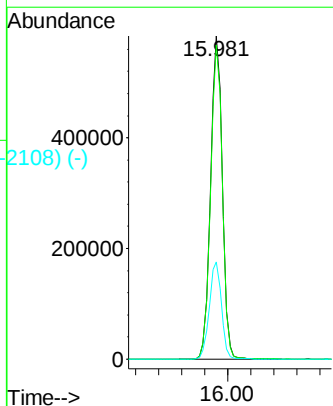
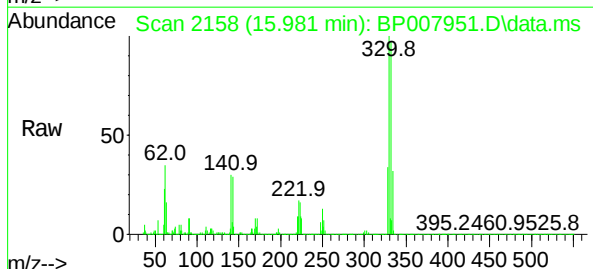
Instrument :  
 BNA\_P  
 ClientSampleId :  
 SB-13S-16.0-16.5

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 164   | Resp: | 401654 |
| Ion      | Ratio | Lower | Upper  |
| 164      | 100   |       |        |
| 162      | 102.7 | 81.1  | 121.7  |
| 160      | 44.8  | 36.0  | 54.0   |

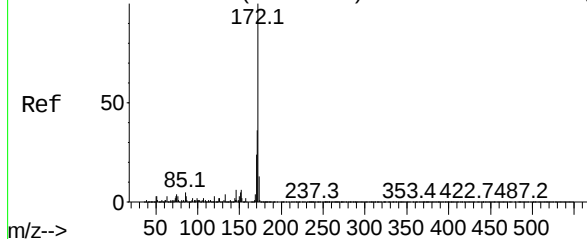


2,4,6-Tribromophenol  
 Concen: 144.13 ng  
 RT: 15.981 min Scan# 2158  
 Delta R.T. -0.006 min  
 Lab File: BP007951.D  
 Acq: 11 Nov 2021 18:22

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 330   | Resp: | 826205 |
| Ion      | Ratio | Lower | Upper  |
| 330      | 100   |       |        |
| 332      | 97.8  | 78.9  | 118.3  |
| 141      | 31.1  | 30.7  | 46.1   |



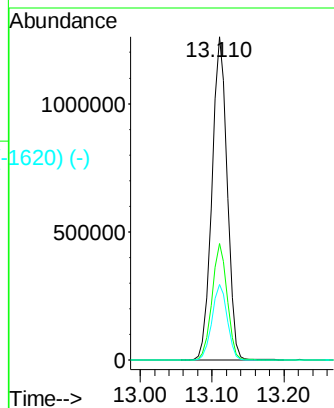
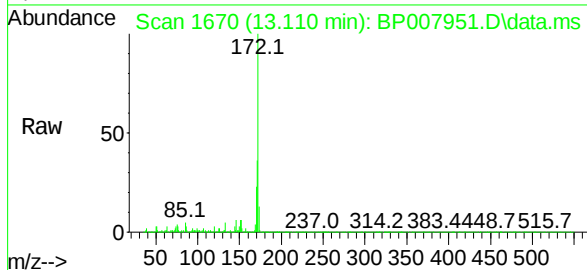
Abundance Scan 1684 (13.192 min): BP007807.D\data.ms (-16745) (-)



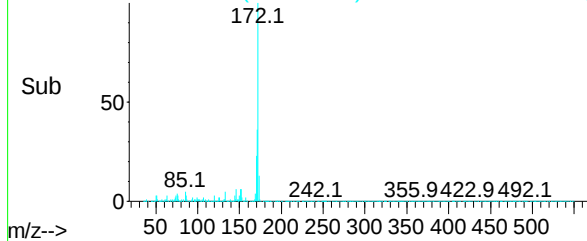
2-Fluorobiphenyl  
Concen: 67.19 ng  
RT: 13.110 min Scan# 16745  
Delta R.T. -0.006 min  
Lab File: BP007951.D  
Acq: 11 Nov 2021 18:22

Instrument :  
BNA\_P  
ClientSampleId :  
SB-13S-16.0-16.5

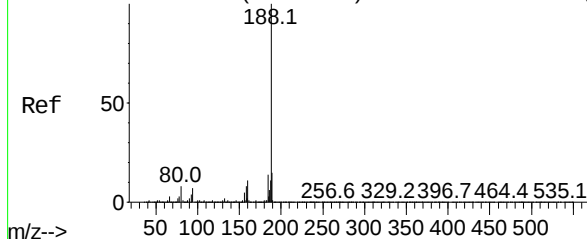
|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 172   | Resp: | 1853287 |
| Ion      | Ratio | Lower | Upper   |
| 172      | 100   |       |         |
| 171      | 36.0  | 28.2  | 42.2    |
| 170      | 23.4  | 19.0  | 28.4    |



Abundance Scan 1670 (13.110 min): BP007951.D\data.ms (-1620) (-)

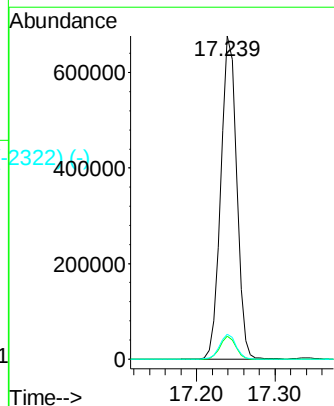
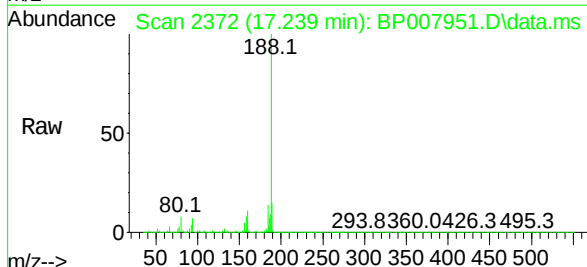


Abundance Scan 2386 (17.322 min): BP007807.D\data.ms (-23784) (-)

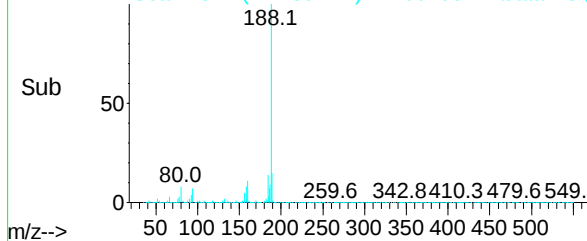


Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.239 min Scan# 2372  
Delta R.T. -0.006 min  
Lab File: BP007951.D  
Acq: 11 Nov 2021 18:22

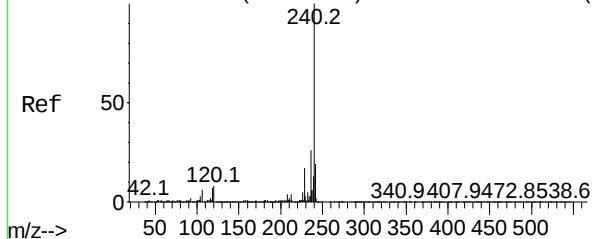
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 188   | Resp: | 951183 |
| Ion      | Ratio | Lower | Upper  |
| 188      | 100   |       |        |
| 94       | 7.1   | 7.1   | 10.7#  |
| 80       | 7.8   | 7.8   | 11.6#  |



Abundance Scan 2372 (17.239 min): BP007951.D\data.ms (-2322) (-)



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: BP007951.D

Acq: 11 Nov 2021 18:22

Instrument :

BNA\_P

ClientSampleId :

SB-13S-16.0-16.5

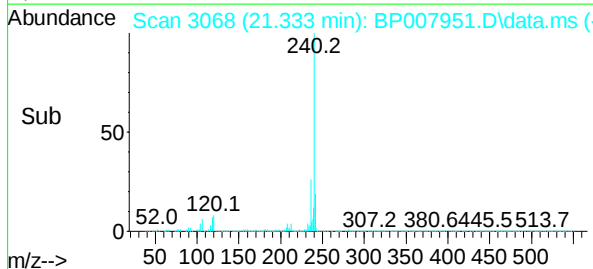
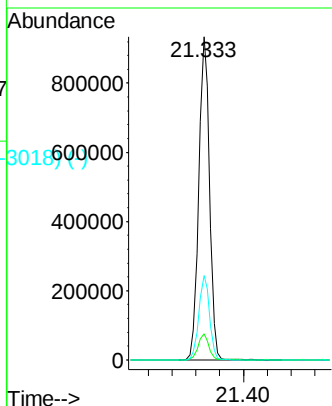
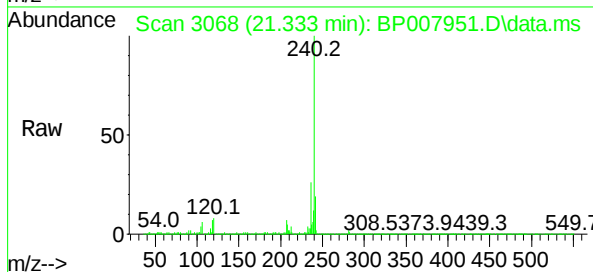
Tgt Ion:240 Resp: 1180465

Ion Ratio Lower Upper

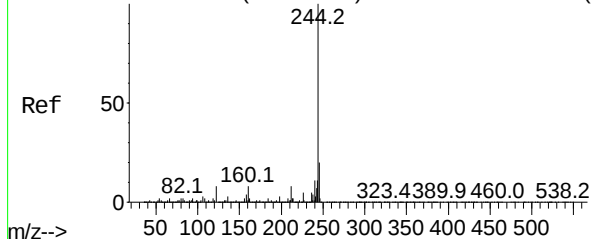
240 100

120 8.0 7.8 11.8

236 26.2 20.6 30.8



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



Terphenyl-d14

Concen: 71.06 ng

RT: 19.810 min Scan# 2809

Delta R.T. -0.000 min

Lab File: BP007951.D

Acq: 11 Nov 2021 18:22

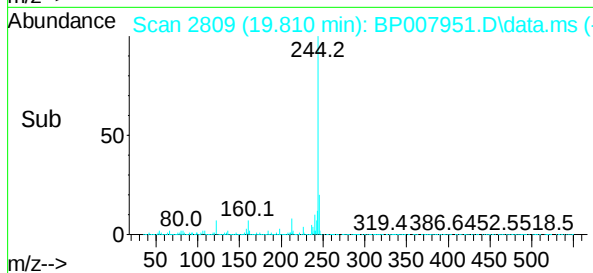
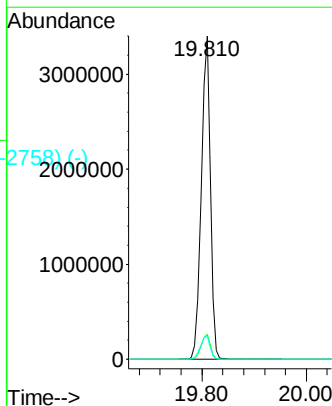
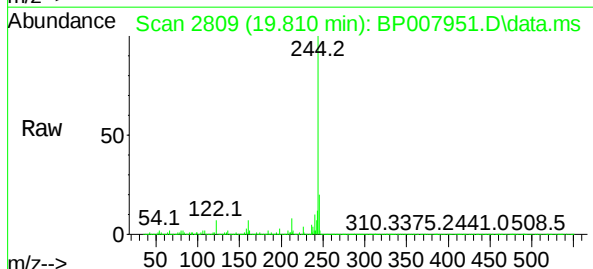
Tgt Ion:244 Resp: 4119457

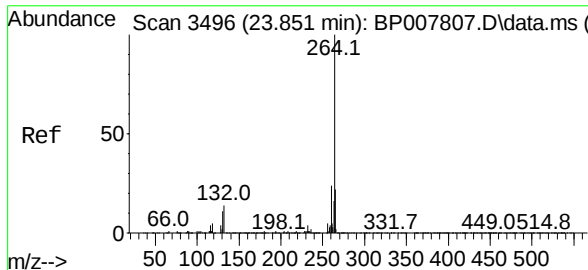
Ion Ratio Lower Upper

244 100

212 7.8 6.2 9.2

122 7.2 7.8 11.8#





Perylene-d12  
 Concen: 20.00 ng  
 RT: 23.739 min Scan# 488  
 Delta R.T. -0.012 min  
 Lab File: BP007951.D  
 Acq: 11 Nov 2021 18:22

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SB-13S-16.0-16.5

Tgt Ion:264 Resp: 1153714  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 24.1  | 19.1  | 28.7  |
| 265 | 22.1  | 16.7  | 25.1  |

