

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP121821\  
 Data File : BP008501.D  
 Acq On : 18 Dec 2021 22:04  
 Operator : CG/JU  
 Sample : M5165-02  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 EXCAVATION-EFFLUENT

Quant Time: Dec 20 00:54:55 2021  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP121421.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Dec 18 06:49:58 2021  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|--------|------|----------|--------|-------|----------|
| -----                       |        |      |          |        |       |          |
| Internal Standards          |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.722  | 152  | 45737    | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.516 | 136  | 169026   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.381 | 164  | 109456   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.145 | 188  | 233972   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12            | 21.257 | 240  | 262574   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12            | 23.616 | 264  | 313460   | 20.000 | ng    | -0.02    |
| System Monitoring Compounds |        |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.328  | 112  | 110202   | 38.051 | ng    | 0.00     |
| 7) Phenol-d6                | 6.940  | 99   | 76090    | 19.562 | ng    | 0.01     |
| 23) Nitrobenzene-d5         | 8.887  | 82   | 333764   | 83.655 | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol    | 15.887 | 330  | 123992   | 77.084 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 12.993 | 172  | 689619   | 80.091 | ng    | -0.01    |
| 79) Terphenyl-d14           | 19.716 | 244  | 1036494  | 68.701 | ng    | -0.01    |

Target Compounds Qvalue

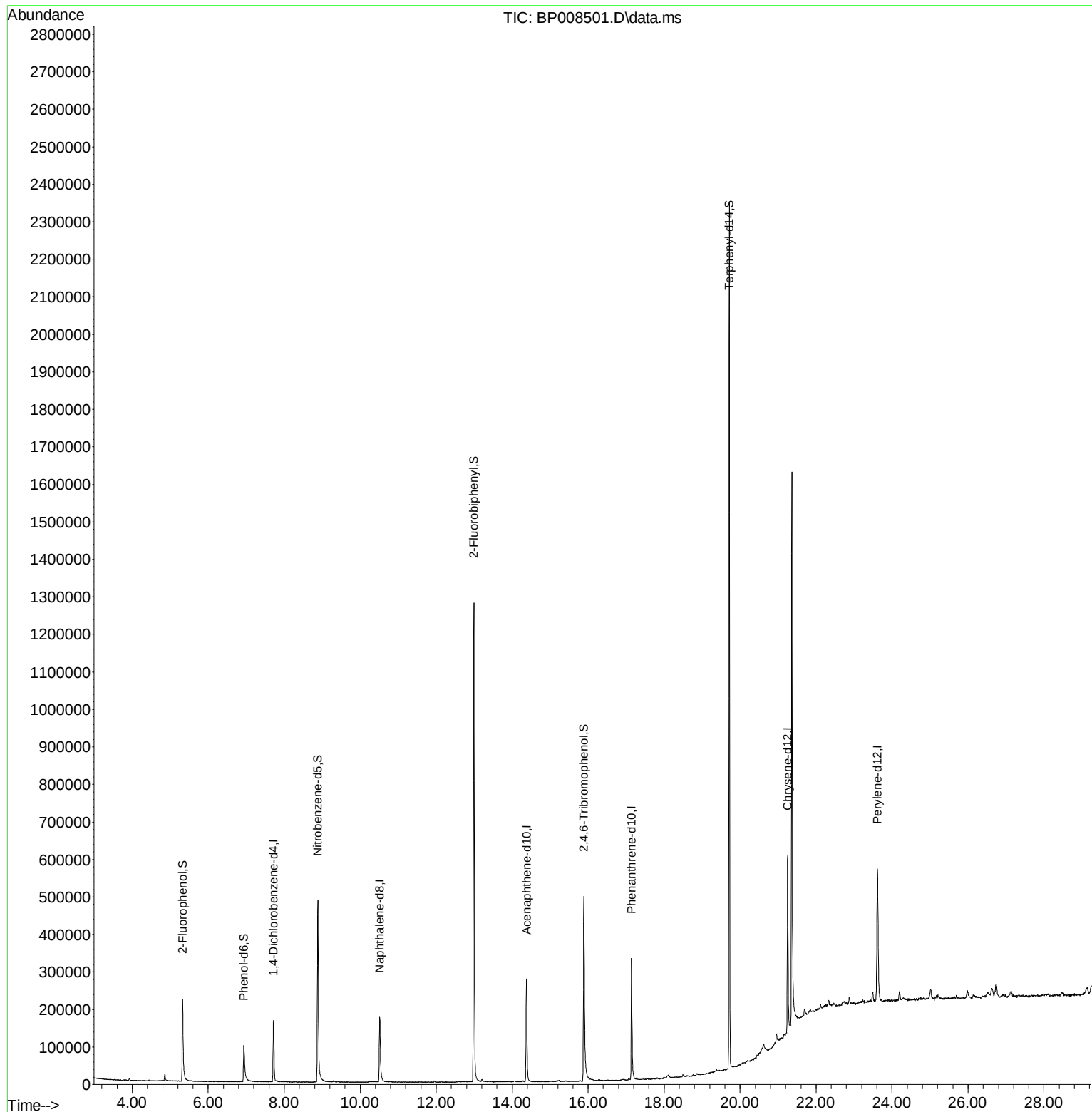
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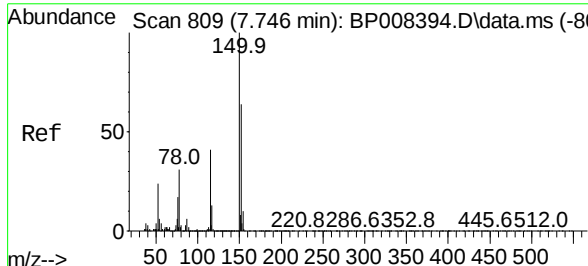
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP121821\  
Data File : BP008501.D  
Acq On : 18 Dec 2021 22:04  
Operator : CG/JU  
Sample : M5165-02  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
EXCAVATION-EFFLUENT

Quant Time: Dec 20 00:54:55 2021  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP121421.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sat Dec 18 06:49:58 2021  
Response via : Initial Calibration

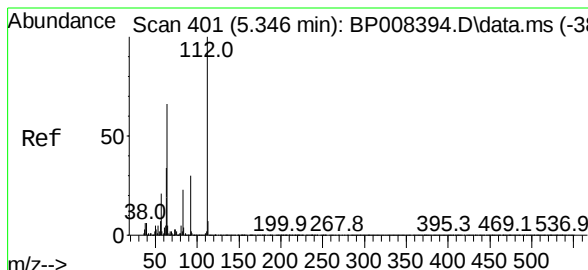
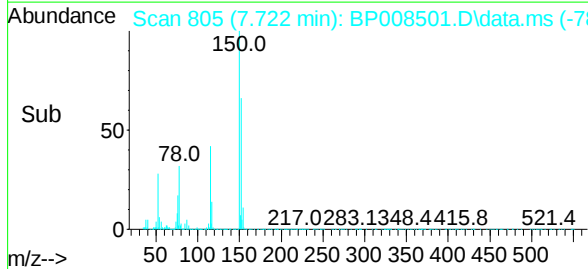
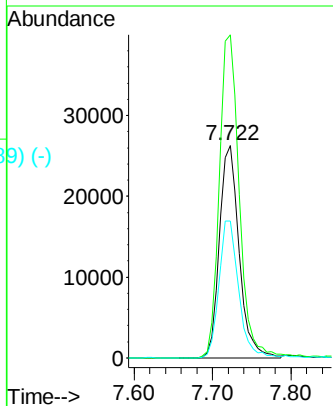
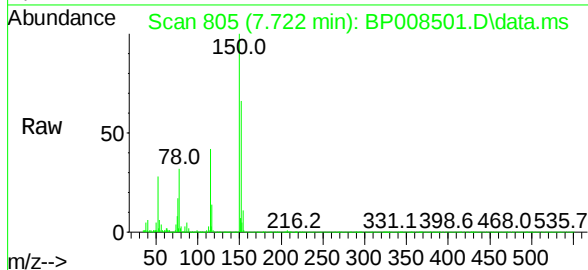




1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 7.722 min Scan# 805  
 Delta R.T. -0.006 min  
 Lab File: BP008501.D  
 Acq: 18 Dec 2021 22:04

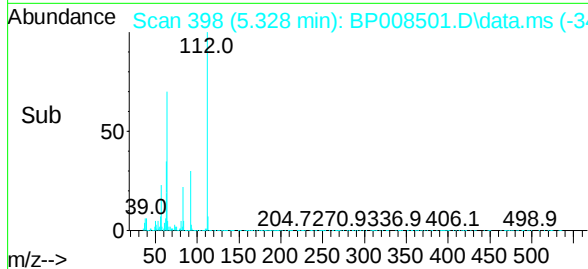
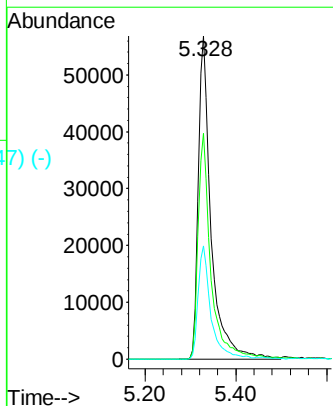
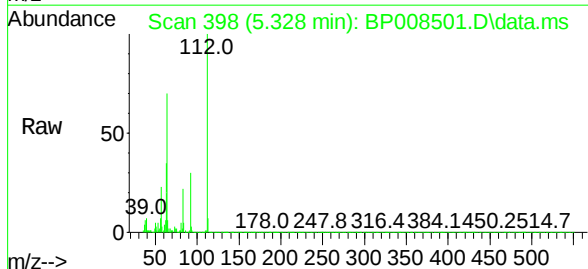
Instrument :  
 BNA\_P  
 ClientSampleId :  
 EXCAVATION-EFFLUENT

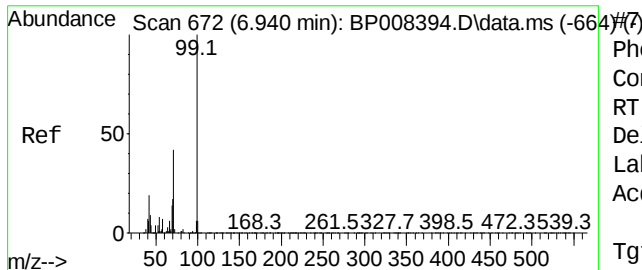
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 152   | Resp: | 45737 |
| Ion      | Ratio | Lower | Upper |
| 152      | 100   |       |       |
| 150      | 152.1 | 125.7 | 188.5 |
| 115      | 64.5  | 50.7  | 76.1  |



2-Fluorophenol  
 Concen: 38.051 ng  
 RT: 5.328 min Scan# 398  
 Delta R.T. -0.000 min  
 Lab File: BP008501.D  
 Acq: 18 Dec 2021 22:04

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 112   | Resp: | 110202 |
| Ion      | Ratio | Lower | Upper  |
| 112      | 100   |       |        |
| 64       | 69.8  | 53.4  | 80.2   |
| 63       | 35.0  | 27.8  | 41.8   |





Phenol-d6

Concen: 19.562 ng

RT: 6.940 min Scan# 672

Delta R.T. 0.012 min

Lab File: BP008501.D

Acq: 18 Dec 2021 22:04

Instrument :

BNA\_P

ClientSampleId :

EXCAVATION-EFFLUENT

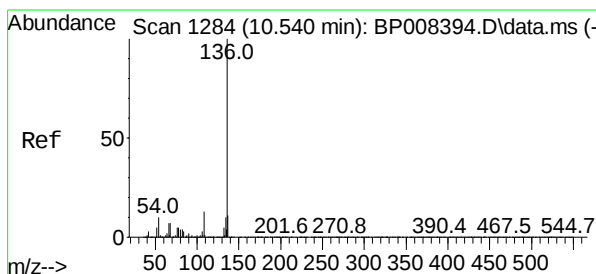
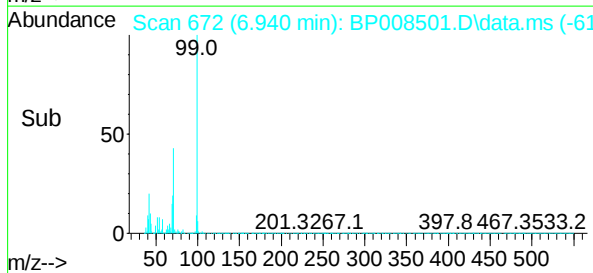
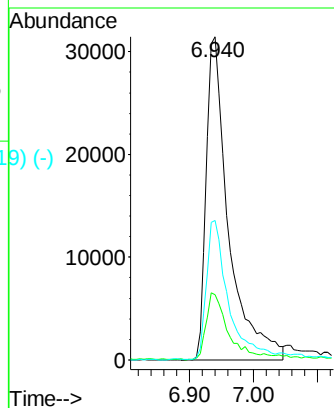
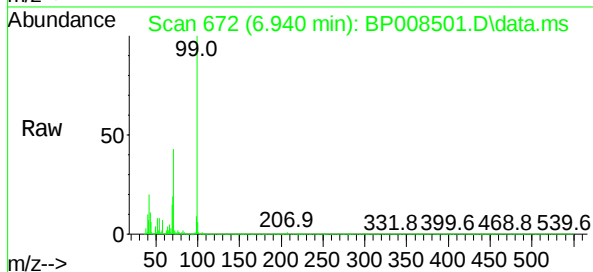
Tgt Ion: 99 Resp: 76090

Ion Ratio Lower Upper

99 100

42 20.2 14.6 22.0

71 43.3 31.1 46.7



Naphthalene-d8

Concen: 20.000 ng

RT: 10.516 min Scan# 1280

Delta R.T. -0.006 min

Lab File: BP008501.D

Acq: 18 Dec 2021 22:04

Tgt Ion: 136 Resp: 169026

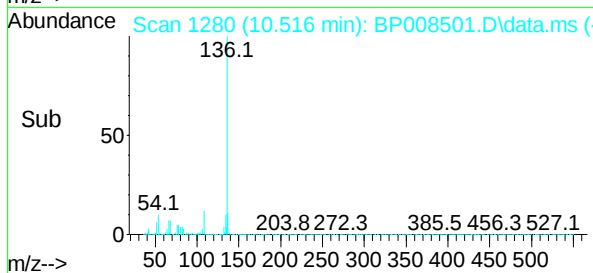
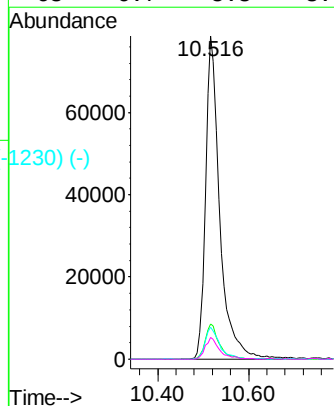
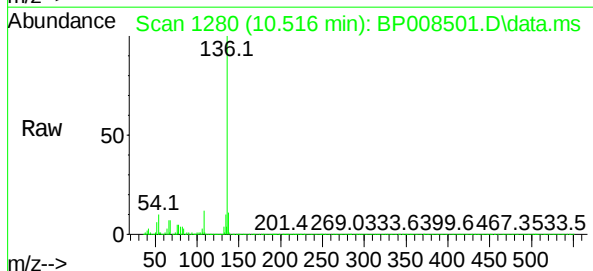
Ion Ratio Lower Upper

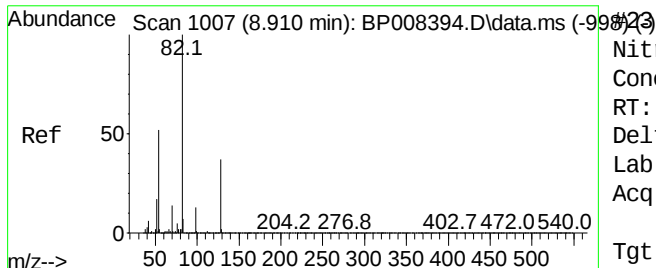
136 100

137 10.9 9.0 13.6

54 9.9 8.2 12.4

68 6.7 5.8 8.8





Nitrobenzene-d5

Concen: 83.655 ng

RT: 8.887 min Scan# 1

Delta R.T. -0.012 min

Lab File: BP008501.D

Acq: 18 Dec 2021 22:04

Instrument :

BNA\_P

ClientSampleId :

EXCAVATION-EFFLUENT

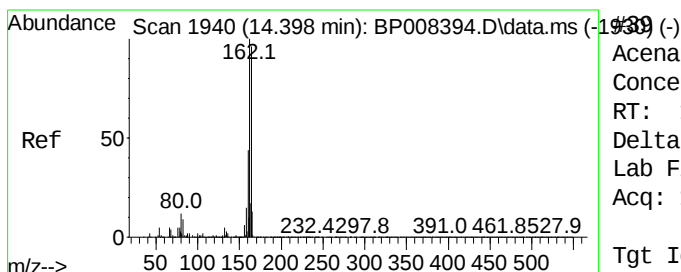
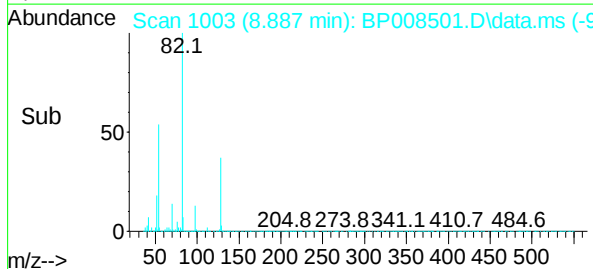
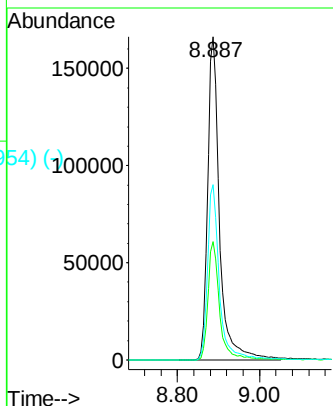
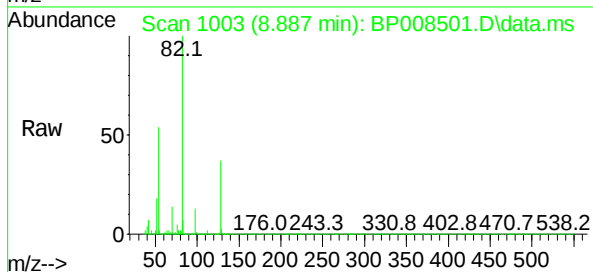
Tgt Ion: 82 Resp: 333764

Ion Ratio Lower Upper

82 100

128 36.6 29.6 44.4

54 54.2 42.7 64.1



Acenaphthene-d10

Concen: 20.000 ng

RT: 14.381 min Scan# 1937

Delta R.T. -0.006 min

Lab File: BP008501.D

Acq: 18 Dec 2021 22:04

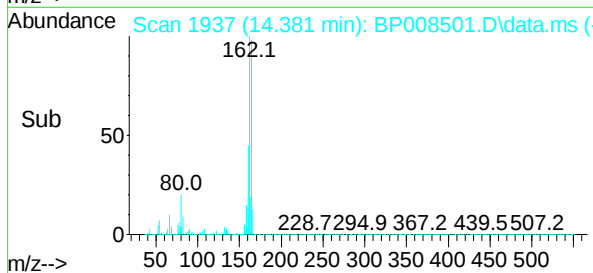
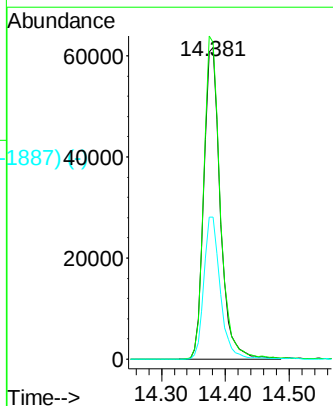
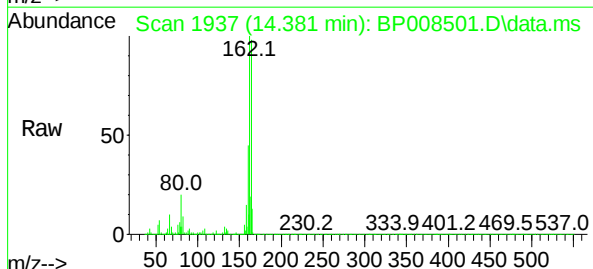
Tgt Ion:164 Resp: 109456

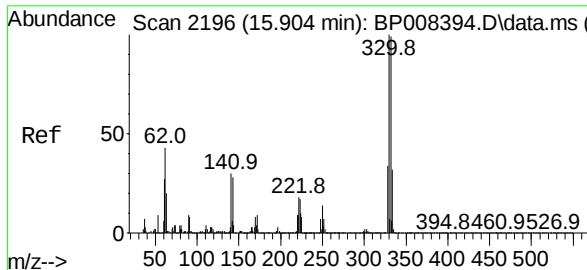
Ion Ratio Lower Upper

164 100

162 101.6 81.9 122.9

160 45.6 35.4 53.0

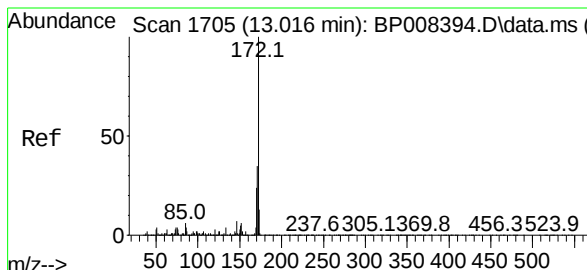
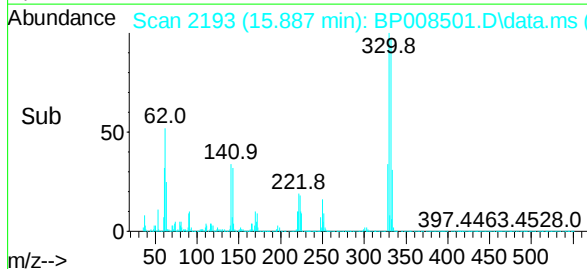
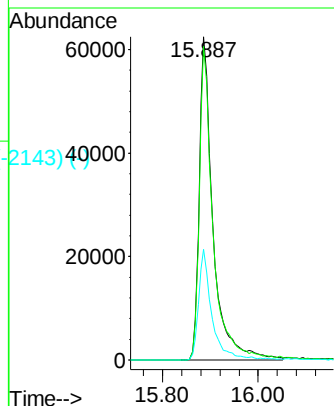
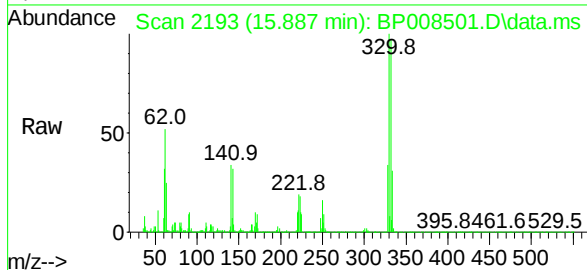




2,4,6-Tribromophenol  
 Concen: 77.084 ng  
 RT: 15.887 min Scan# 1140  
 Delta R.T. -0.006 min  
 Lab File: BP008501.D  
 Acq: 18 Dec 2021 22:04

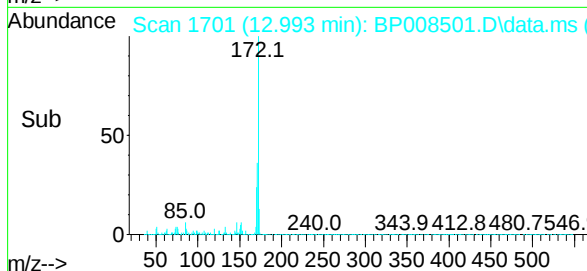
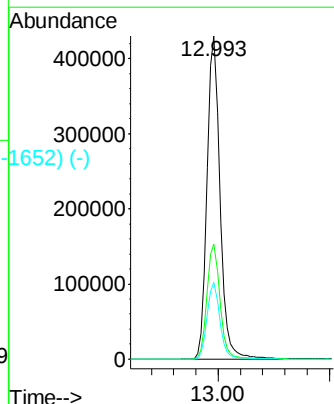
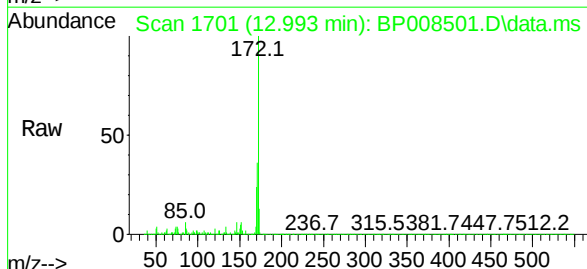
Instrument :  
 BNA\_P  
 ClientSampleId :  
 EXCAVATION-EFFLUENT

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 330   | Resp: | 123992 |
| Ion      | Ratio | Lower | Upper  |
| 330      | 100   |       |        |
| 332      | 97.0  | 77.0  | 115.4  |
| 141      | 33.1  | 28.4  | 42.6   |

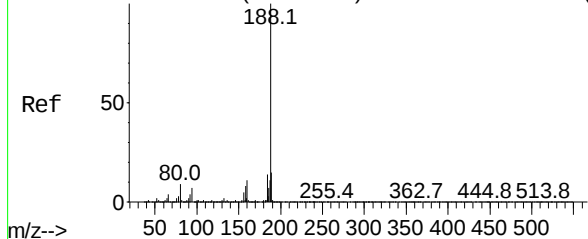


2-Fluorobiphenyl  
 Concen: 80.091 ng  
 RT: 12.993 min Scan# 1701  
 Delta R.T. -0.012 min  
 Lab File: BP008501.D  
 Acq: 18 Dec 2021 22:04

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 172   | Resp: | 689619 |
| Ion      | Ratio | Lower | Upper  |
| 172      | 100   |       |        |
| 171      | 35.6  | 28.0  | 42.0   |
| 170      | 23.7  | 18.9  | 28.3   |



Abundance Scan 2410 (17.163 min): BP008394.D\data.ms (-2404) (-)



Phenanthrene-d10

Concen: 20.000 ng

RT: 17.145 min Scan# 2407

Delta R.T. -0.006 min

Lab File: BP008501.D

Acq: 18 Dec 2021 22:04

Instrument :

BNA\_P

ClientSampleId :

EXCAVATION-EFFLUENT

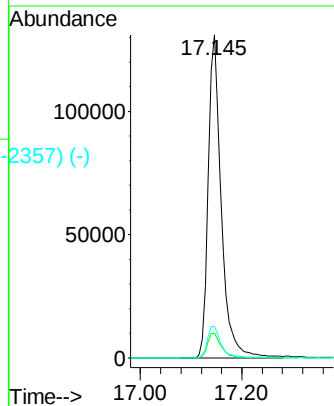
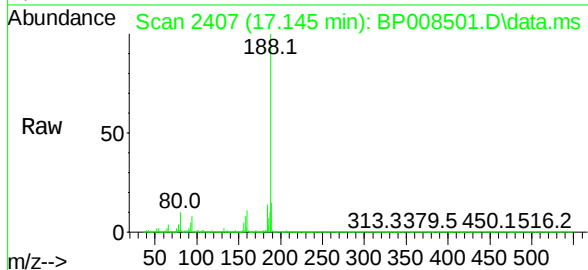
Tgt Ion:188 Resp: 233972

Ion Ratio Lower Upper

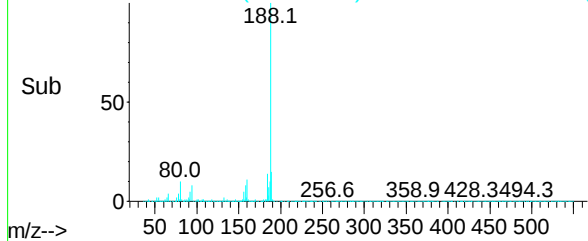
188 100

94 7.8 7.2 10.8

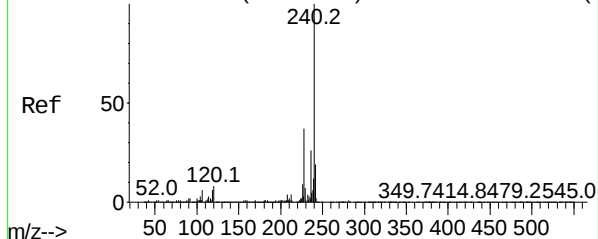
80 9.6 8.2 12.4



Abundance Scan 2407 (17.145 min): BP008501.D\data.ms (-2357) (-)



Abundance Scan 3108 (21.269 min): BP008394.D\data.ms (-3056) (-)



Chrysene-d12

Concen: 20.000 ng

RT: 21.257 min Scan# 3106

Delta R.T. -0.006 min

Lab File: BP008501.D

Acq: 18 Dec 2021 22:04

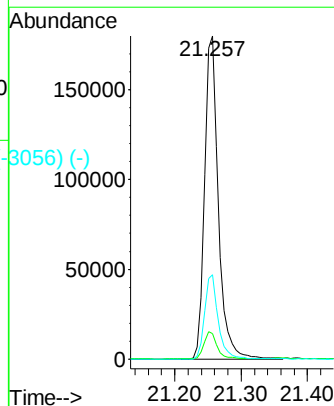
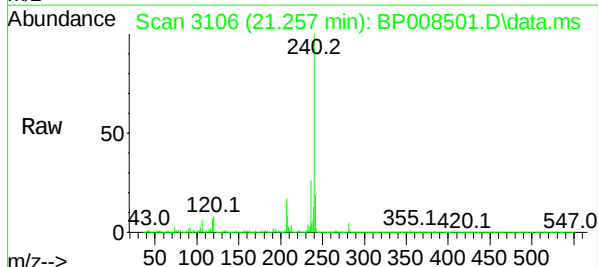
Tgt Ion:240 Resp: 262574

Ion Ratio Lower Upper

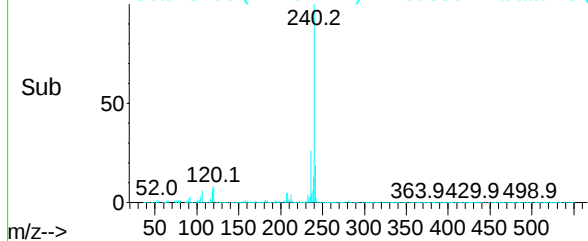
240 100

120 7.9 7.3 10.9

236 26.2 21.4 32.2



Abundance Scan 3106 (21.257 min): BP008501.D\data.ms (-3056) (-)



Abundance Scan 2847 (19.733 min): BP008394.D\data.ms (-2839) (-)

Terphenyl-d14

Concen: 68.701 ng

RT: 19.716 min Scan# 2844

Delta R.T. -0.012 min

Lab File: BP008501.D

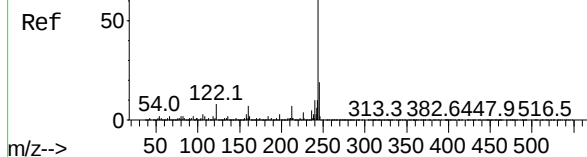
Acq: 18 Dec 2021 22:04

Instrument :

BNA\_P

ClientSampleId :

EXCAVATION-EFFLUENT



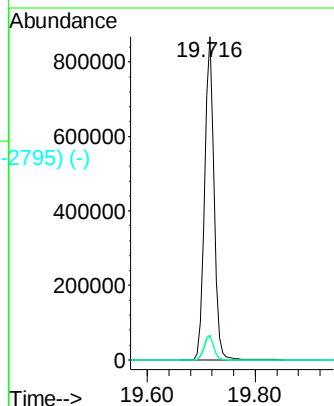
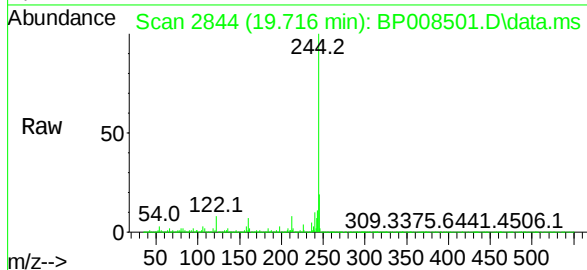
Tgt Ion:244 Resp: 1036494

Ion Ratio Lower Upper

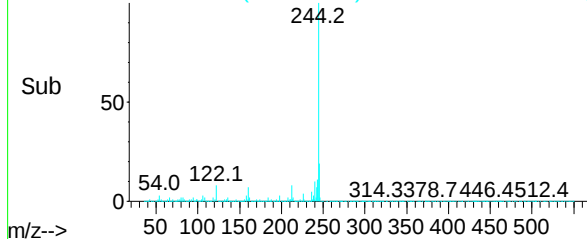
244 100

212 7.5 6.0 9.0

122 7.7 6.6 9.8



Abundance Scan 2844 (19.716 min): BP008501.D\data.ms (-2795) (-)



Abundance Scan 3511 (23.639 min): BP008394.D\data.ms (-3506) (-)

Perylene-d12

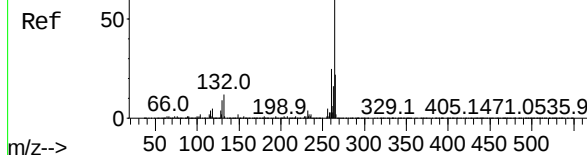
Concen: 20.000 ng

RT: 23.616 min Scan# 3507

Delta R.T. -0.018 min

Lab File: BP008501.D

Acq: 18 Dec 2021 22:04



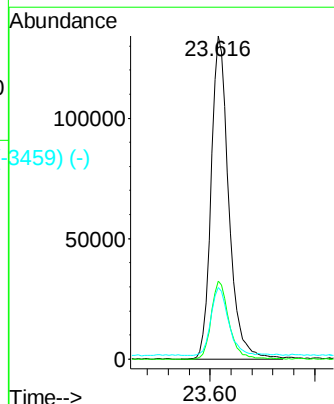
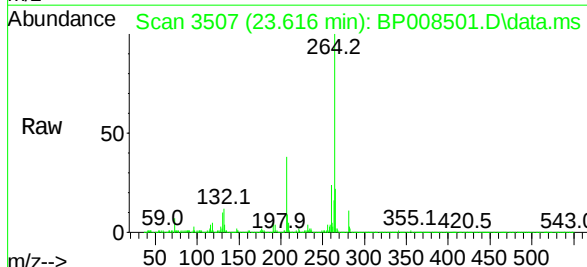
Tgt Ion:264 Resp: 313460

Ion Ratio Lower Upper

264 100

260 24.1 19.4 29.2

265 22.2 17.6 26.4



Abundance Scan 3507 (23.616 min): BP008501.D\data.ms (-3459) (-)

