

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080118\  
 Data File : BF107893.D  
 Acq On : 1 Aug 2018 17:07  
 Operator : JU/SJ  
 Sample : J4234-01 5X  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 OILY-STONE-CONCRETE

Manual Integrations  
 APPROVED

Sohil  
 8/2/2018 9:17:14 AM

Quant Time: Aug 01 17:55:58 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073018.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jul 30 17:48:53 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.97  | 152  | 98547    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.24  | 136  | 445287   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10        | 10.00 | 164  | 176595   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.50 | 188  | 354620   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12            | 14.15 | 240  | 343777   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12            | 15.69 | 264  | 391873   | 20.00 | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.61  | 112  | 83901m   | 14.47 | ng    | 0.02     |
| 7) Phenol-d6                | 6.62  | 99   | 178310   | 23.33 | ng    | 0.01     |
| 23) Nitrobenzene-d5         | 7.54  | 82   | 132946m  | 17.20 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 10.80 | 330  | 26928m   | 11.22 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.31  | 172  | 286665   | 22.62 | ng    | 0.00     |
| 78) Terphenyl-d14           | 13.08 | 244  | 319836   | 20.17 | ng    | 0.00     |

Target Compounds Qvalue

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

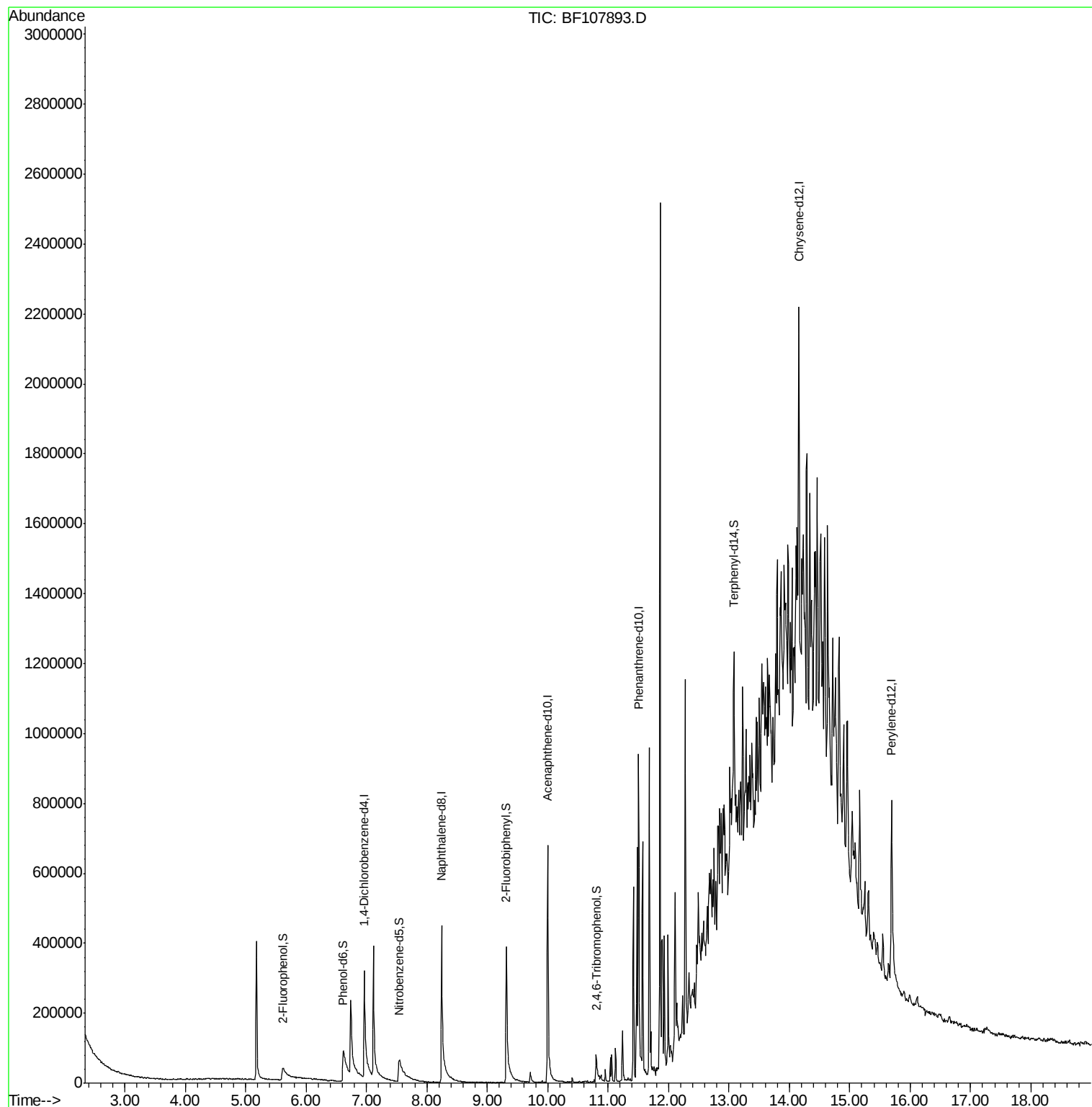
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080118\  
Data File : BF107893.D  
Acq On : 1 Aug 2018 17:07  
Operator : JU/SJ  
Sample : J4234-01 5X  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

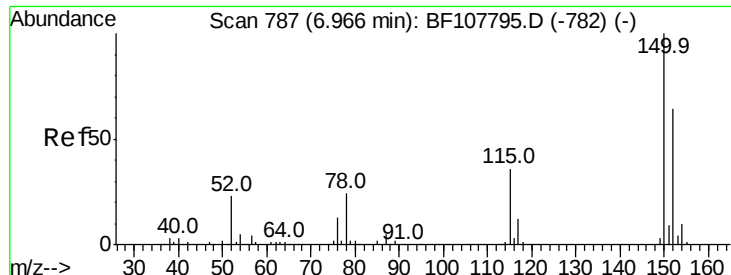
Instrument :  
BNA\_F  
ClientSampleId :  
OILY-STONE-CONCRETE

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Quant Time: Aug 01 17:55:58 2018  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073018.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Jul 30 17:48:53 2018  
Response via : Initial Calibration





#1

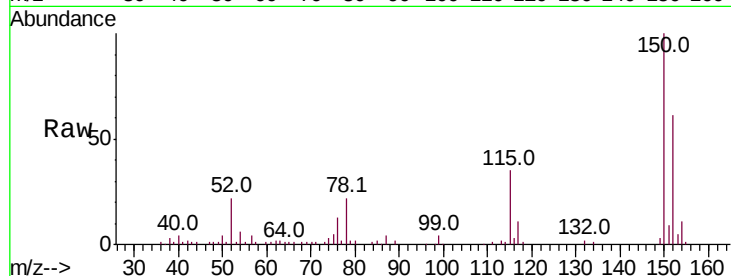
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.97 min Scan# 787  
Delta R.T. -0.00 min  
Lab File: BF107893.D  
Acq: 1 Aug 2018 17:07

Instrument :  
BNA\_F  
ClientSampleId :  
OILY-STONE-CONCRETE

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 163.5 | 124.6 | 186.8 |
| 115     | 57.4  | 50.1  | 75.1  |

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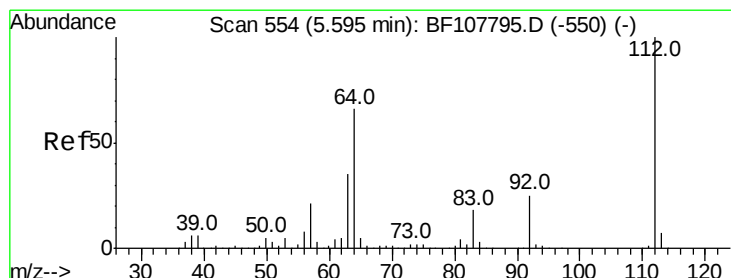
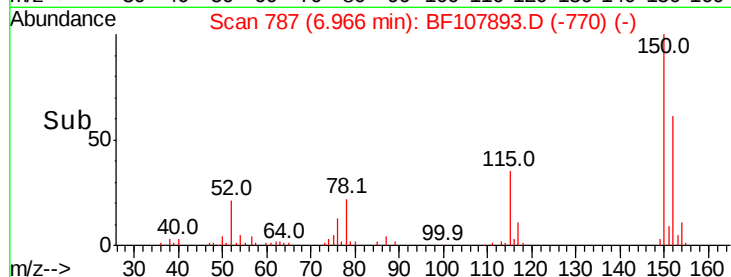
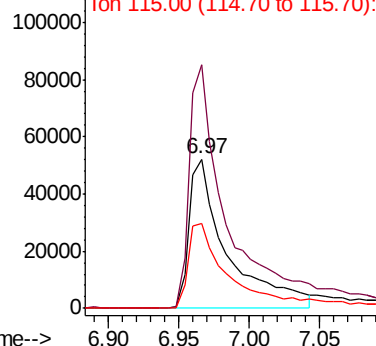


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

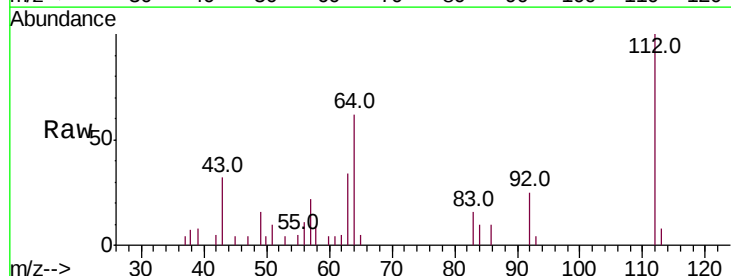
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol  
Concen: 14.470 ng m  
RT: 5.61 min Scan# 557  
Delta R.T. 0.02 min  
Lab File: BF107893.D  
Acq: 1 Aug 2018 17:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 62.3  | 47.9  | 71.9  |
| 63      | 34.2  | 23.7  | 35.5  |

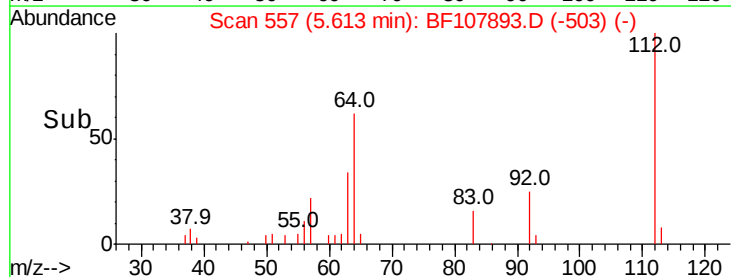
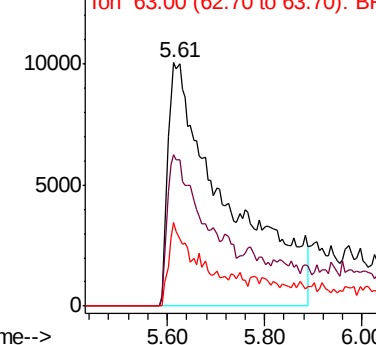


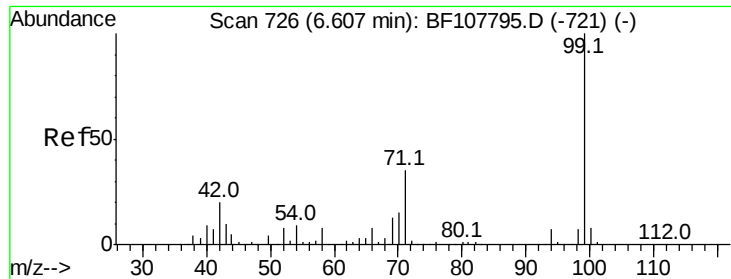
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 23.333 ng

RT: 6.62 min Scan# 728

Delta R.T. 0.01 min

Lab File: BF107893.D

Acq: 1 Aug 2018 17:07

Instrument :

BNA\_F

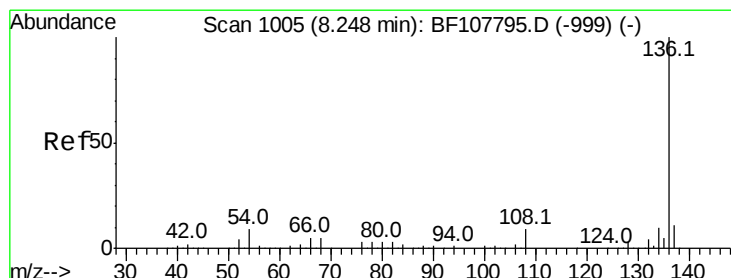
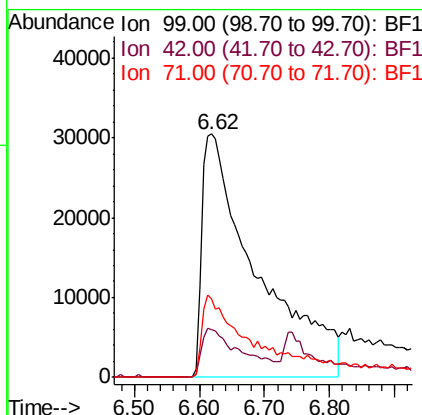
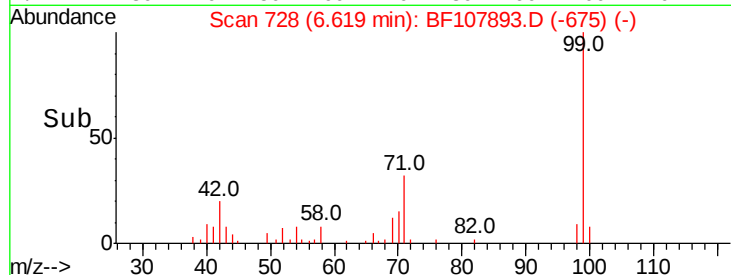
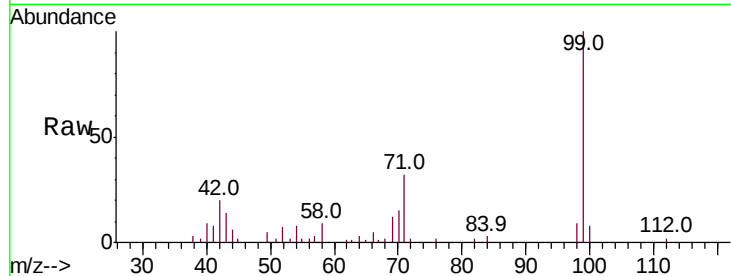
ClientSampleId :

OILY-STONE-CONCRETE

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 99    | Resp: | 178310 |
| Ion Ratio | Lower | Upper |        |
| 99        | 100   |       |        |
| 42        | 19.9  | 14.5  | 21.7   |
| 71        | 32.3  | 25.4  | 38.0   |

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#21

Naphthalene-d8

Concen: 20.000 ng

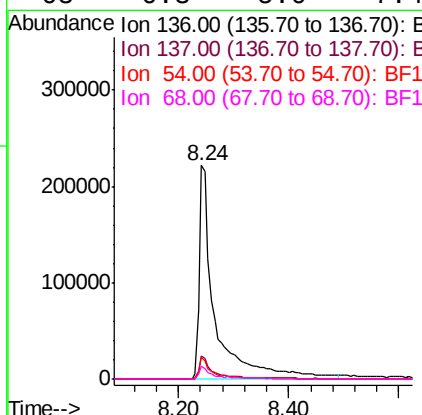
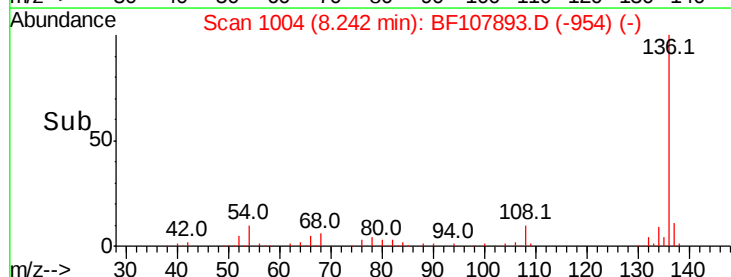
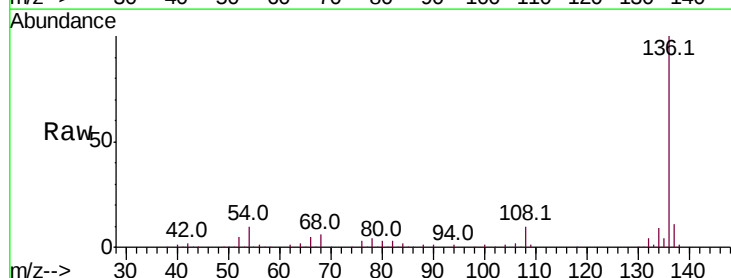
RT: 8.24 min Scan# 1004

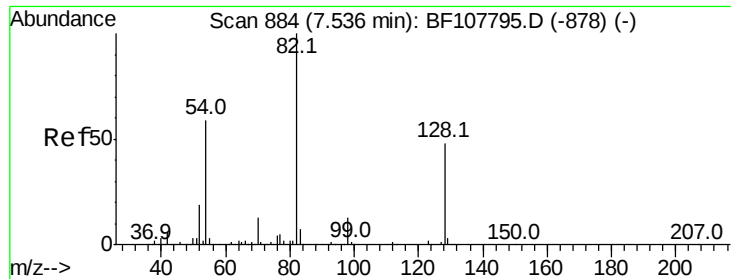
Delta R.T. -0.01 min

Lab File: BF107893.D

Acq: 1 Aug 2018 17:07

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 136   | Resp: | 445287 |
| Ion Ratio | Lower | Upper |        |
| 136       | 100   |       |        |
| 137       | 11.0  | 8.9   | 13.3   |
| 54        | 10.1  | 6.6   | 9.8    |
| 68        | 6.3   | 5.0   | 7.4    |





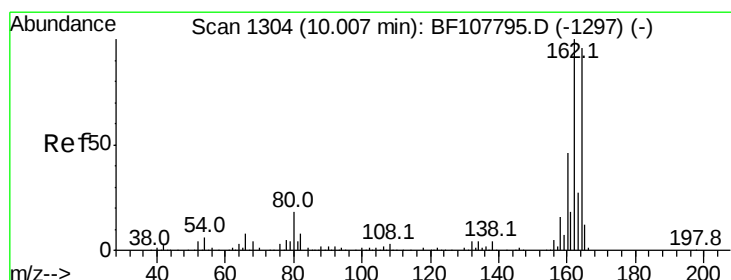
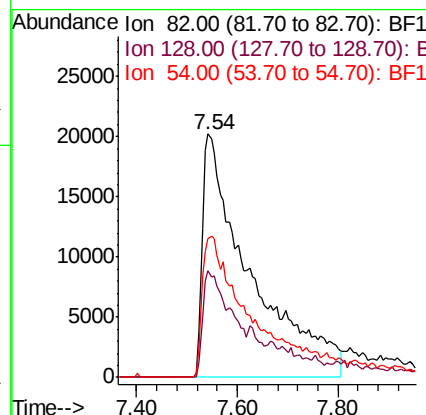
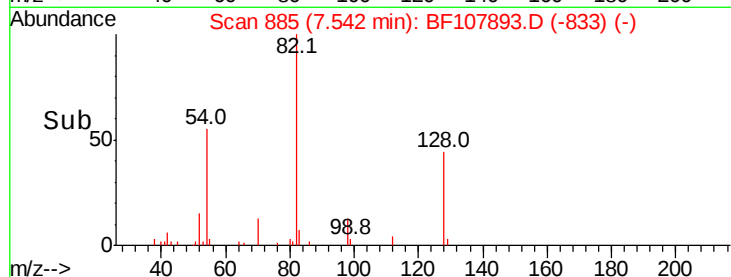
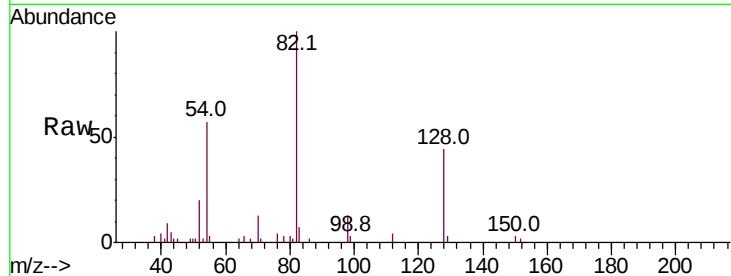
#23  
 Nitrobenzene-d5  
 Concen: 17.200 ng m  
 RT: 7.54 min Scan# 885  
 Delta R.T. 0.01 min  
 Lab File: BF107893.D  
 Acq: 1 Aug 2018 17:07

Instrument :  
 BNA\_F  
 ClientSampleId :  
 OILY-STONE-CONCRETE

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 43.7  | 36.1  | 54.1  |
| 54      | 56.9  | 41.4  | 62.2  |

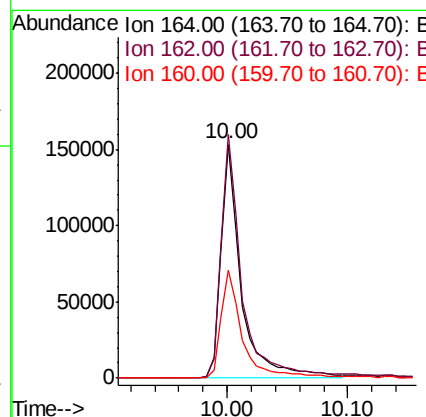
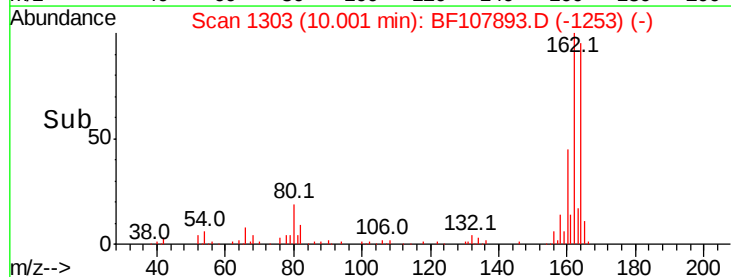
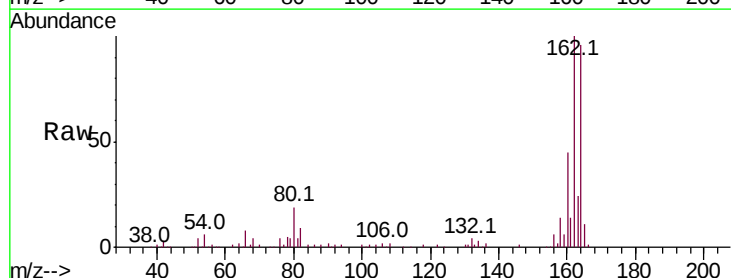
Manual Integrations  
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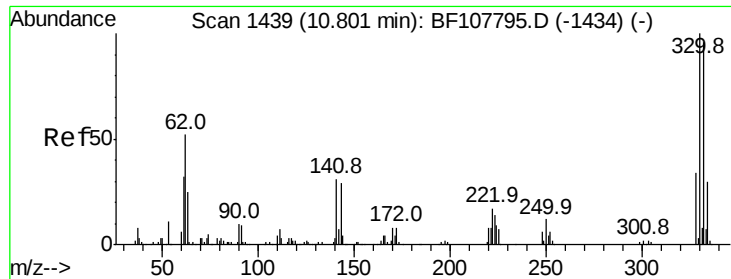
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#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 10.00 min Scan# 1303  
 Delta R.T. -0.01 min  
 Lab File: BF107893.D  
 Acq: 1 Aug 2018 17:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 104.1 | 86.1  | 129.1 |
| 160     | 46.3  | 38.3  | 57.5  |





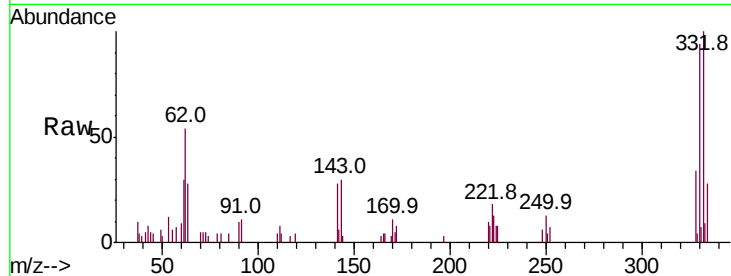
#41  
 2,4,6-Tribromophenol  
 Concen: 11.222 ng  
 RT: 10.80 min Scan# 1439  
 Delta R.T. -0.00 min  
 Lab File: BF107893.D  
 Acq: 1 Aug 2018 17:07

Instrument :  
 BNA\_F  
 ClientSampleId :  
 OILY-STONE-CONCRETE

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 83.5  | 77.0  | 115.6 |
| 141     | 29.5  | 29.9  | 44.9# |

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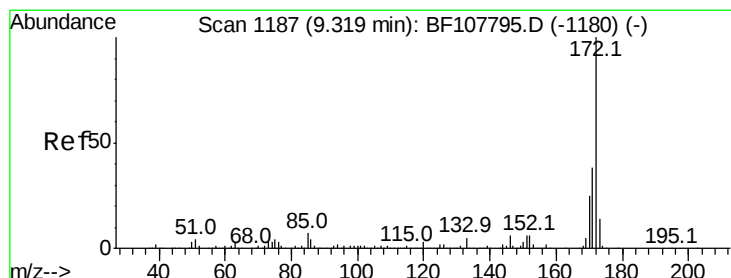
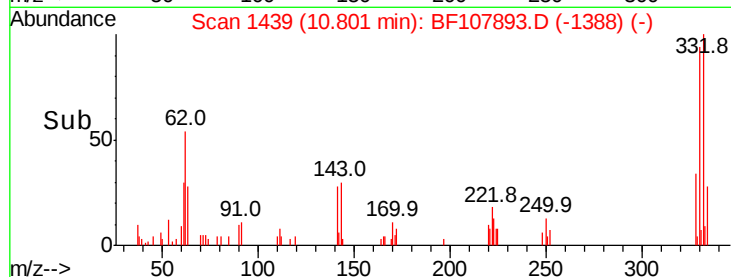
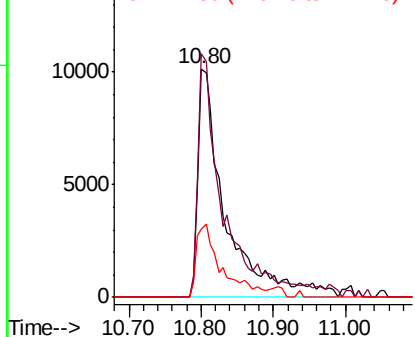


Abundance

Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44  
 2-Fluorobiphenyl  
 Concen: 22.620 ng  
 RT: 9.31 min Scan# 1186  
 Delta R.T. -0.01 min  
 Lab File: BF107893.D  
 Acq: 1 Aug 2018 17:07

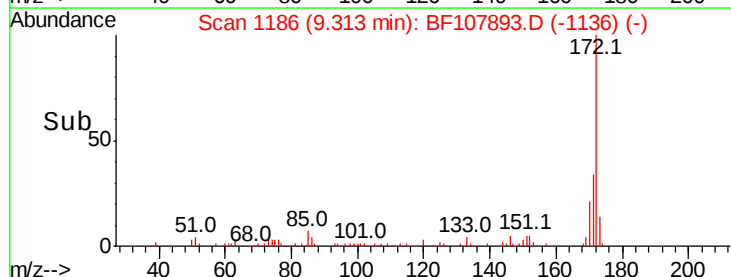
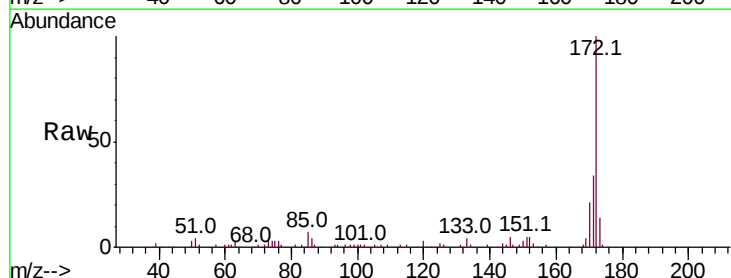
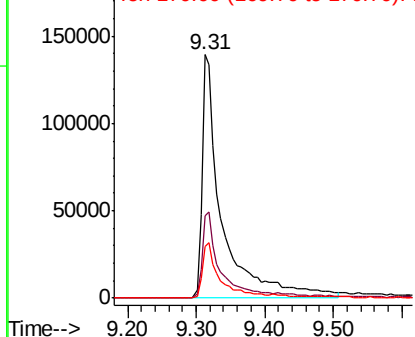
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 33.9  | 29.7  | 44.5  |
| 170     | 21.3  | 19.6  | 29.4  |

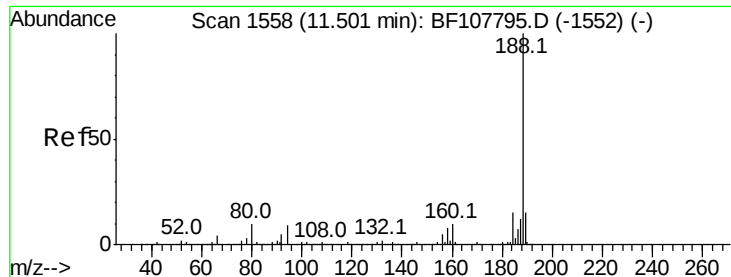
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





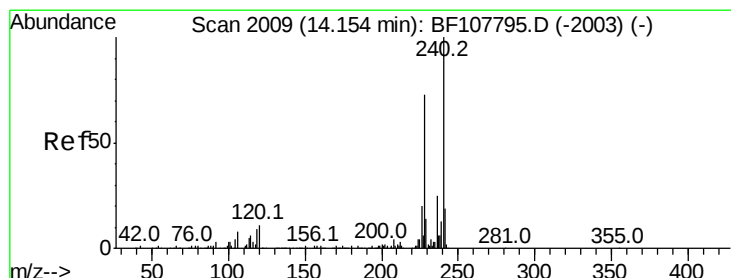
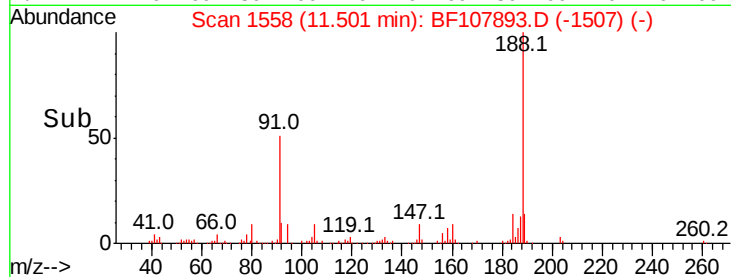
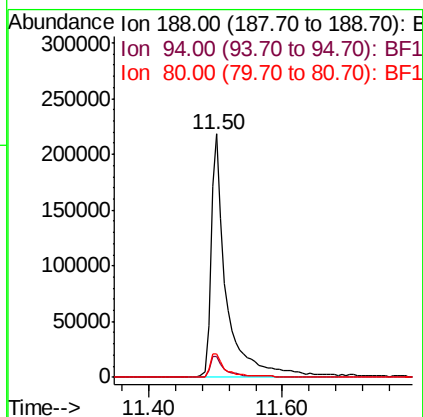
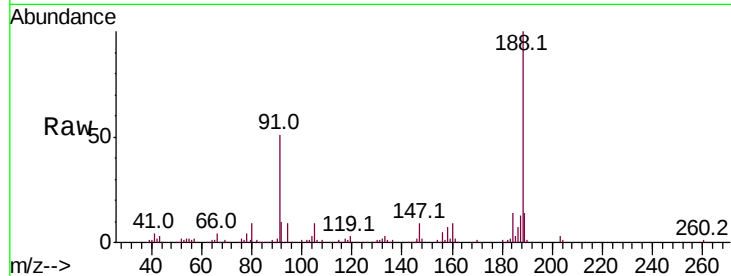
#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.50 min Scan# 1558  
Delta R.T. -0.00 min  
Lab File: BF107893.D  
Acq: 1 Aug 2018 17:07

Instrument :  
BNA\_F  
ClientSampleId :  
OILY-STONE-CONCRETE

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 188     | 100   | 354620 |       |       |
| 94      | 8.5   |        | 8.5   | 12.7  |
| 80      | 9.5   |        | 9.2   | 13.8  |

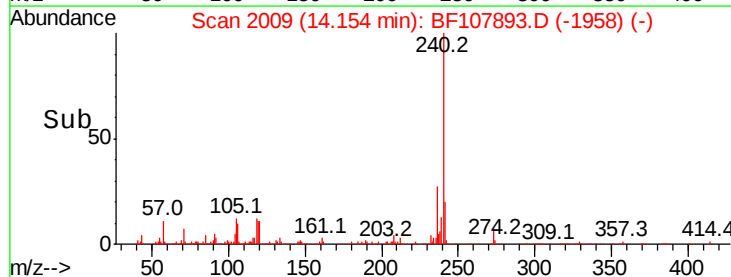
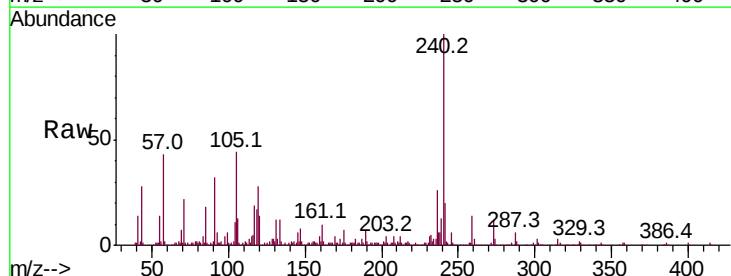
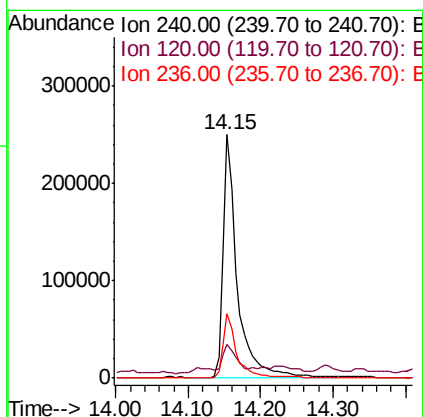
Manual Integrations  
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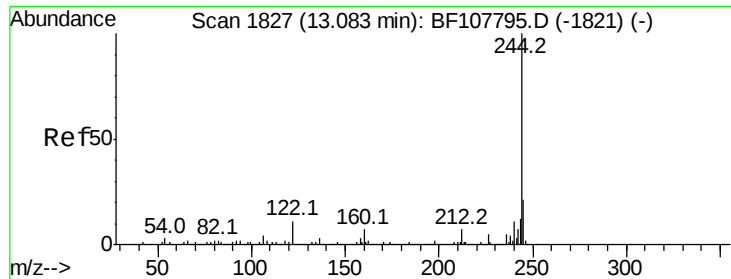
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#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.15 min Scan# 2009  
Delta R.T. -0.00 min  
Lab File: BF107893.D  
Acq: 1 Aug 2018 17:07

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 240     | 100   | 343777 |       |       |
| 120     | 13.6  |        | 9.5   | 14.3  |
| 236     | 26.4  |        | 20.7  | 31.1  |





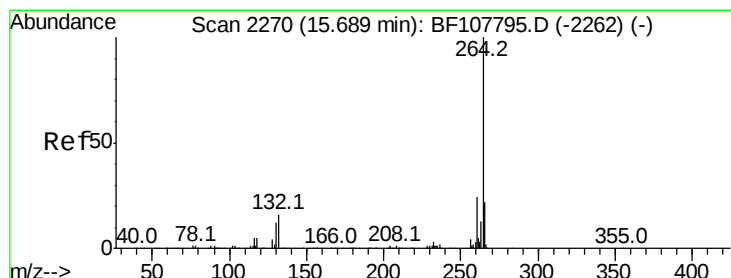
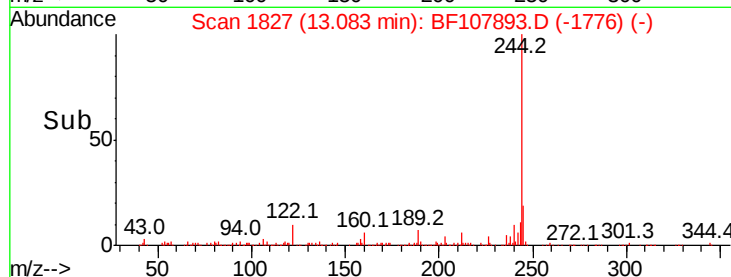
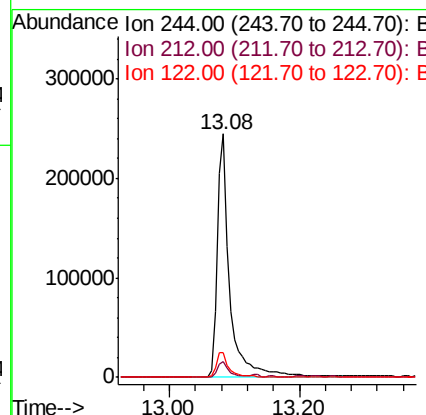
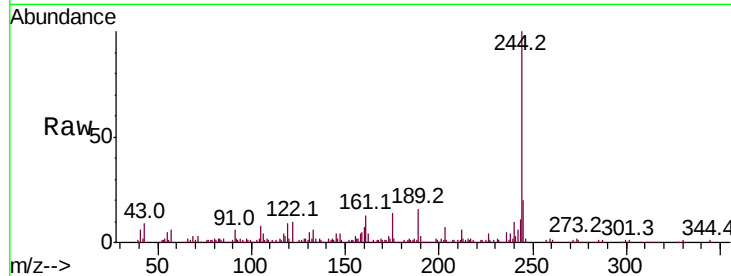
#78  
 Terphenyl-d14  
 Concen: 20.174 ng  
 RT: 13.08 min Scan# 1827  
 Delta R.T. -0.00 min  
 Lab File: BF107893.D  
 Acq: 1 Aug 2018 17:07

Instrument :  
 BNA\_F  
 ClientSampleId :  
 OILY-STONE-CONCRETE

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 6.2   | 5.4   | 8.0   |
| 122     | 10.4  | 11.0  | 16.4  |

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#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.69 min Scan# 2271  
 Delta R.T. 0.01 min  
 Lab File: BF107893.D  
 Acq: 1 Aug 2018 17:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.7  | 19.2  | 28.8  |
| 265     | 22.1  | 17.5  | 26.3  |

