

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF072618\  
 Data File : BF107708.D  
 Acq On : 26 Jul 2018 19:05  
 Operator : JU/SJ  
 Sample : J4095-03 10X  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CON-BALLARDS-0-2

Quant Time: Jul 27 01:13:23 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF072018.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jul 20 16:29:27 2018  
 Response via : Initial Calibration

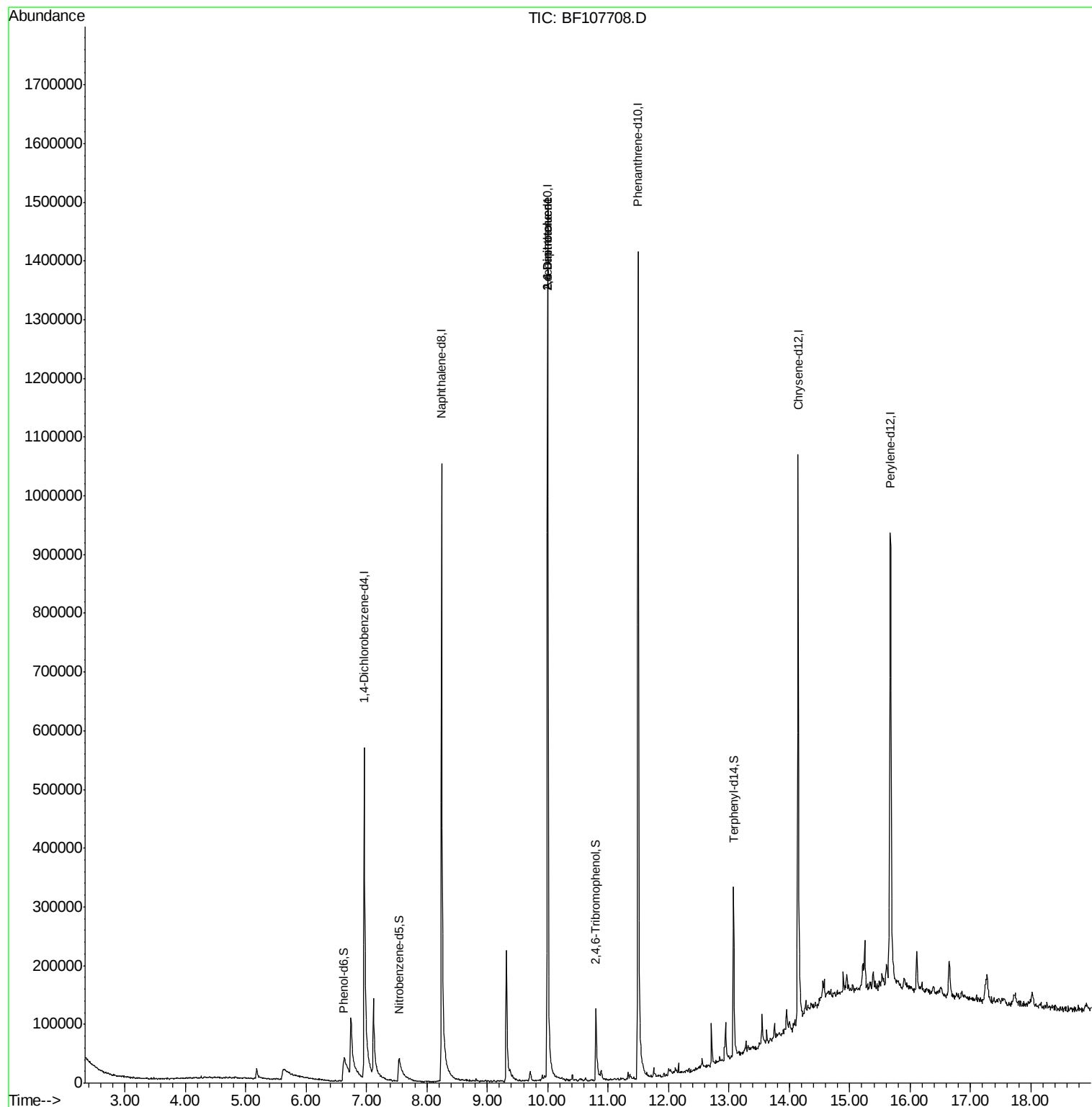
| Internal Standards          | R.T.  | QIon | Response | Conc      | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-----------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.96  | 152  | 164455   | 20.00     | ng    | -0.02    |
| 21) Naphthalene-d8          | 8.24  | 136  | 770028   | 20.00     | ng    | -0.02    |
| 38) Acenaphthene-d10        | 10.00 | 164  | 344047   | 20.00     | ng    | -0.02    |
| 63) Phenanthrene-d10        | 11.49 | 188  | 706233   | 20.00     | ng    | -0.02    |
| 75) Chrysene-d12            | 14.14 | 240  | 427534   | 20.00     | ng    | -0.02    |
| 86) Perylene-d12            | 15.67 | 264  | 478842   | 20.00     | ng    | -0.03    |
| System Monitoring Compounds |       |      |          |           |       |          |
| 5) 2-Fluorophenol           | 5.63  | 112  | 12271    | 1.20      | ng    | 0.02     |
| 7) Phenol-d6                | 6.63  | 99   | 70673    | 5.75      | ng    | 0.02     |
| 23) Nitrobenzene-d5         | 7.54  | 82   | 51614    | 4.52      | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 10.80 | 330  | 32250    | 8.24      | ng    | -0.02    |
| 44) 2-Fluorobiphenyl        | 9.31  | 172  | 142321   | 1.52      | ng    | -0.02    |
| 78) Terphenyl-d14           | 13.08 | 244  | 131522   | 7.88      | ng    | -0.02    |
| Target Compounds            |       |      |          |           |       |          |
| 9) Benzaldehyde             | 6.75  | 77   | 912      | Below Cal | #     | 81       |
| 50) 2,6-Dinitrotoluene      | 10.00 | 165  | 44203    | 8.586 ng  | #     | 26       |
| 56) 2,4-Dinitrotoluene      | 10.00 | 165  | 44795    | 7.208 ng  | #     | 24       |
| 73) Di-n-butylphthalate     | 12.04 | 149  | 1569     | Below Cal | #     | 78       |
| 81) 3,3'-Dichlorobenzidine  | 14.10 | 252  | 241      | Below Cal | #     | 1        |

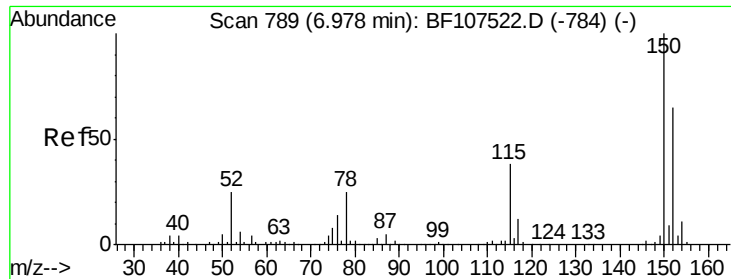
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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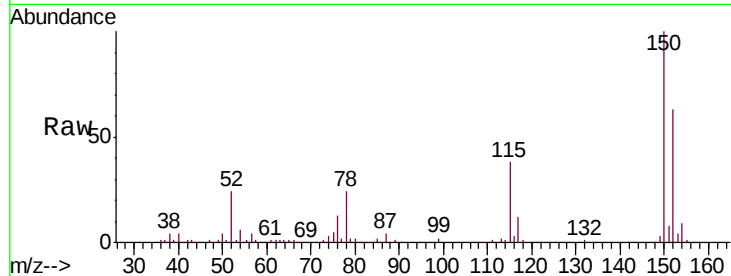


#1

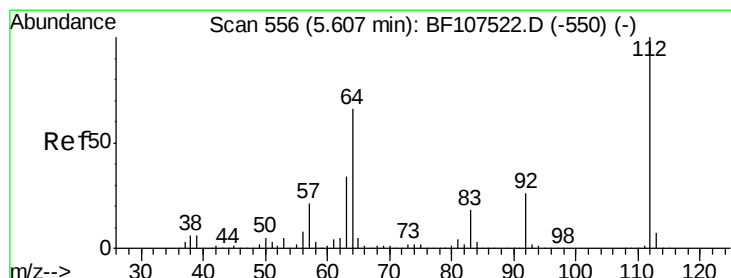
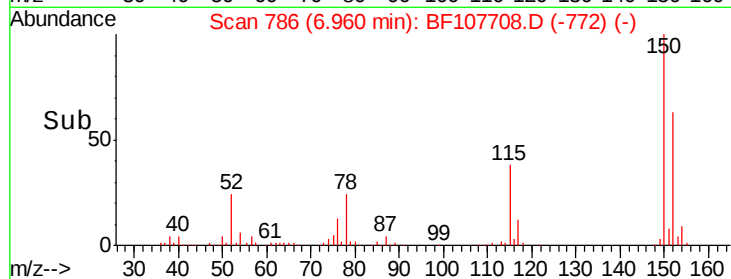
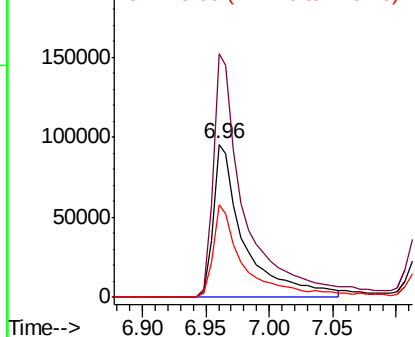
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.96 min Scan# 786  
Delta R.T. -0.02 min  
Lab File: BF107708.D  
Acq: 26 Jul 2018 19:05

Instrument :  
BNA\_F  
ClientSampleId :  
CON-BALLARDS-0-2

Tgt Ion:152 Resp: 164455  
Ion Ratio Lower Upper  
152 100  
150 158.9 124.6 186.8  
115 60.1 50.1 75.1



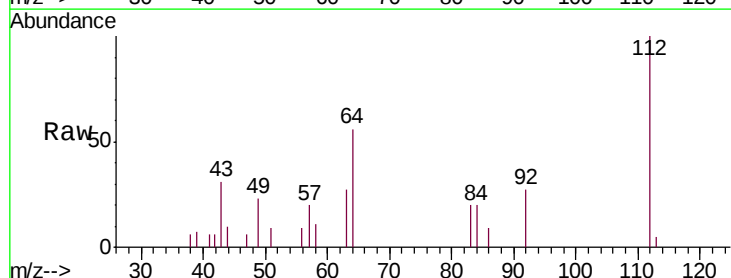
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



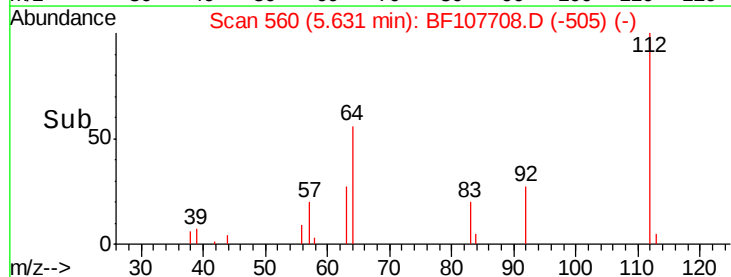
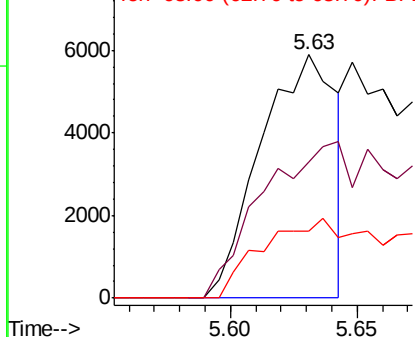
#5

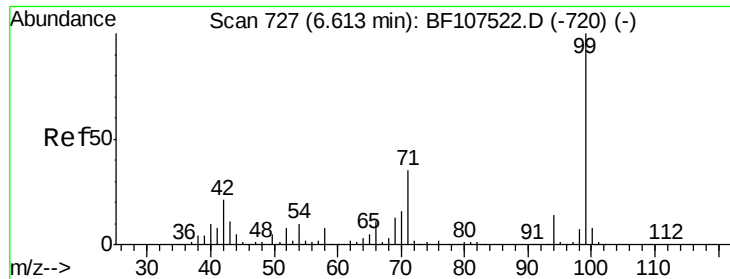
2-Fluorophenol  
Concen: 1.200 ng  
RT: 5.63 min Scan# 560  
Delta R.T. 0.02 min  
Lab File: BF107708.D  
Acq: 26 Jul 2018 19:05

Tgt Ion:112 Resp: 12271  
Ion Ratio Lower Upper  
112 100  
64 55.9 47.9 71.9  
63 27.5 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: 5.754 ng

RT: 6.63 min Scan# 730

Delta R.T. 0.02 min

Lab File: BF107708.D

Acq: 26 Jul 2018 19:05

Instrument :

BNA\_F

ClientSampleId :

CON-BALLARDS-0-2

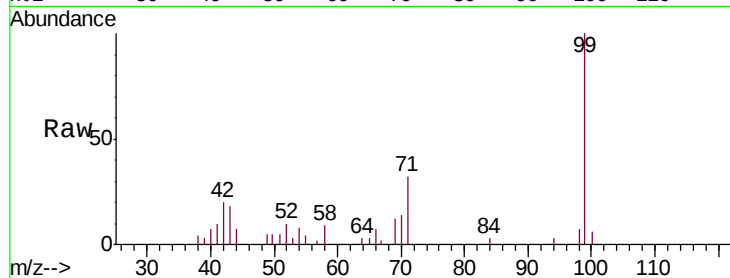
Tgt Ion: 99 Resp: 70673

Ion Ratio Lower Upper

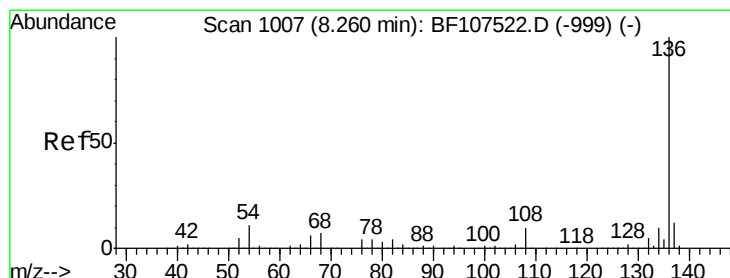
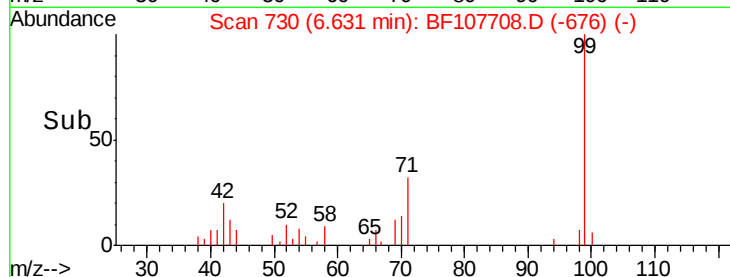
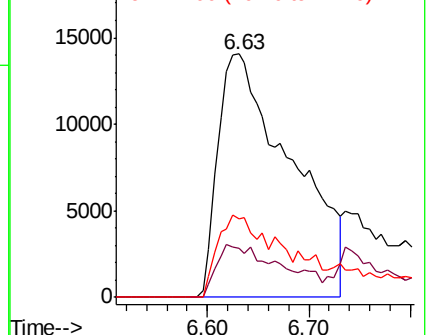
99 100

42 20.0 14.5 21.7

71 32.0 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1  
Ion 42.00 (41.70 to 42.70): BF1  
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.24 min Scan# 1004

Delta R.T. -0.02 min

Lab File: BF107708.D

Acq: 26 Jul 2018 19:05

Tgt Ion: 136 Resp: 770028

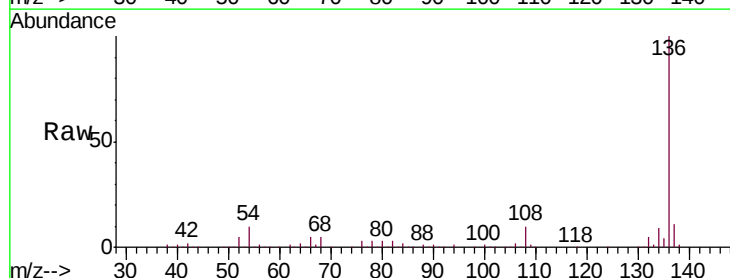
Ion Ratio Lower Upper

136 100

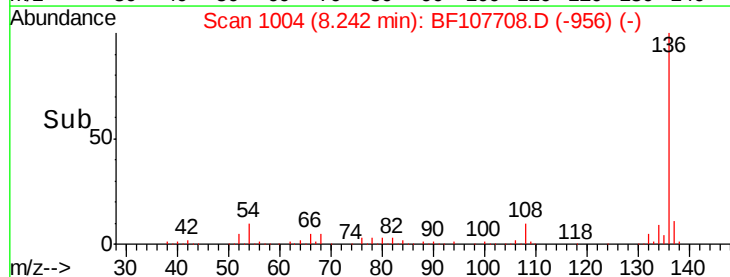
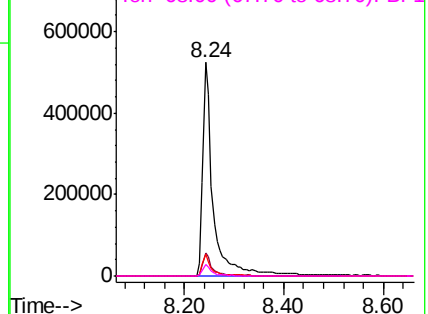
137 10.8 8.9 13.3

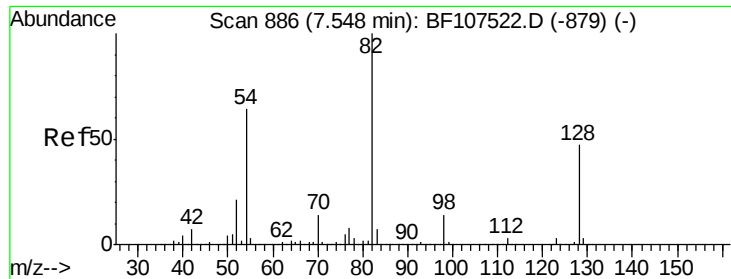
54 10.1 6.6 9.8#

68 5.5 5.0 7.4



Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF1  
Ion 68.00 (67.70 to 68.70): BF1

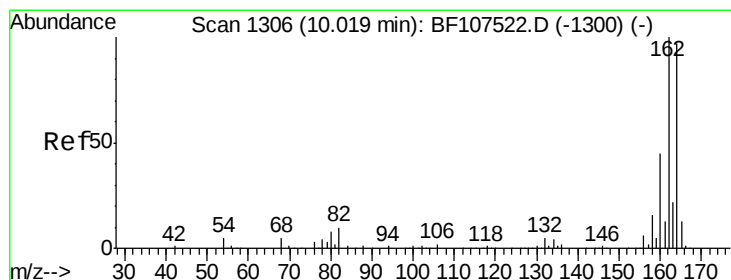
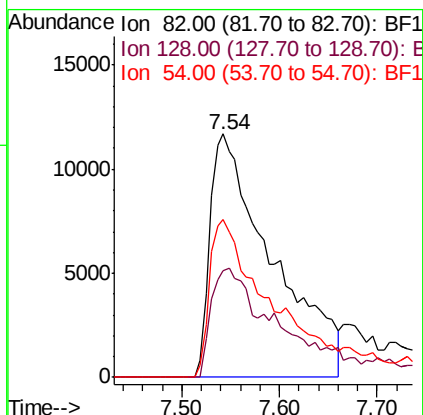
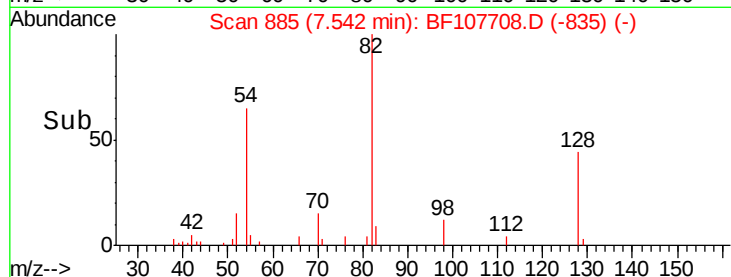
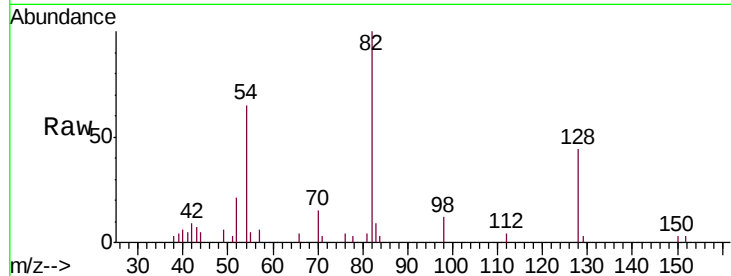




#23  
 Nitrobenzene-d5  
 Concen: 4.524 ng  
 RT: 7.54 min Scan# 885  
 Delta R.T. -0.01 min  
 Lab File: BF107708.D  
 Acq: 26 Jul 2018 19:05

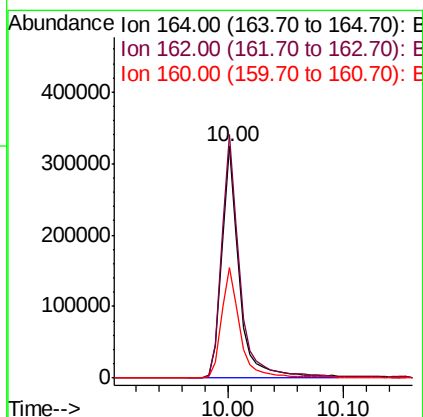
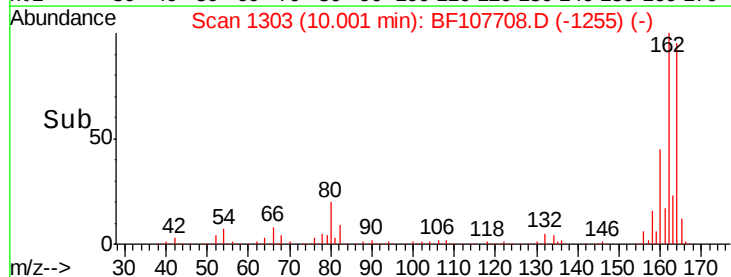
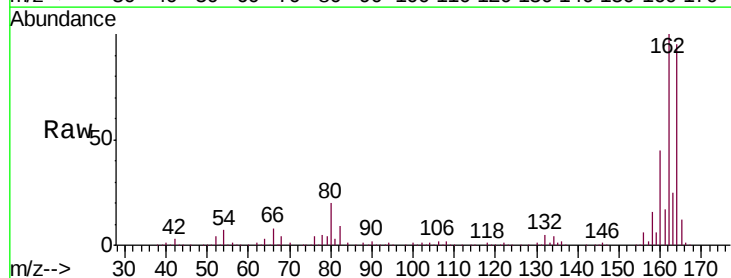
Instrument :  
 BNA\_F  
 ClientSampleId :  
 CON-BALLARDS-0-2

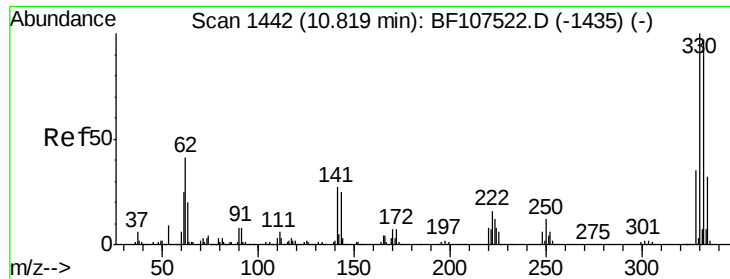
Tgt Ion: 82 Resp: 51614  
 Ion Ratio Lower Upper  
 82 100  
 128 43.8 36.1 54.1  
 54 64.9 41.4 62.2#



#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 10.00 min Scan# 1303  
 Delta R.T. -0.02 min  
 Lab File: BF107708.D  
 Acq: 26 Jul 2018 19:05

Tgt Ion: 164 Resp: 344047  
 Ion Ratio Lower Upper  
 164 100  
 162 105.1 86.1 129.1  
 160 47.6 38.3 57.5

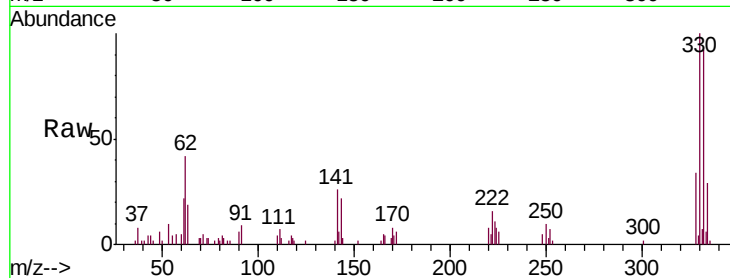




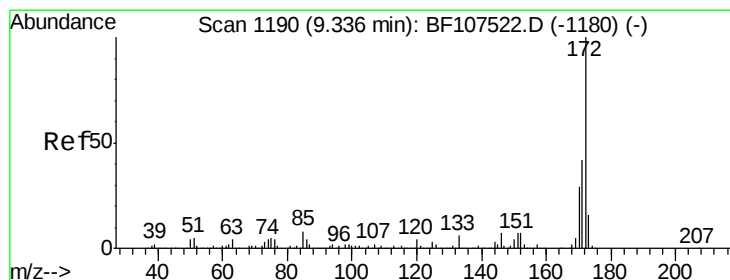
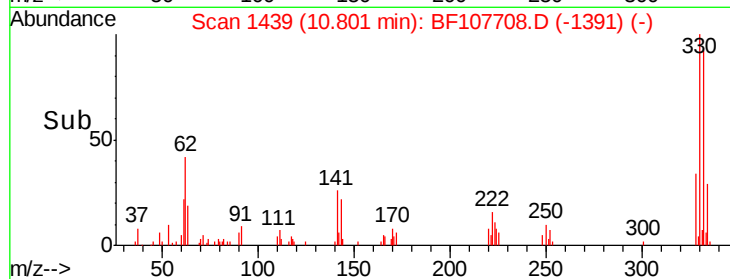
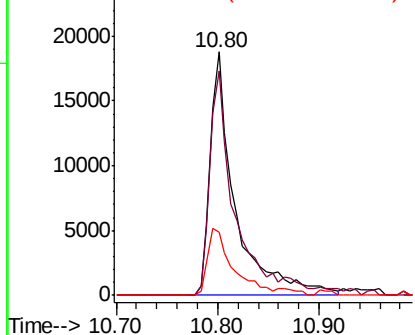
#41  
 2,4,6-Tribromophenol  
 Concen: 8.243 ng  
 RT: 10.80 min Scan# 1439  
 Delta R.T. -0.02 min  
 Lab File: BF107708.D  
 Acq: 26 Jul 2018 19:05

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CON-BALLARDS-0-2

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 92.1  | 77.0  | 115.6 |
| 141     | 30.2  | 29.9  | 44.9  |

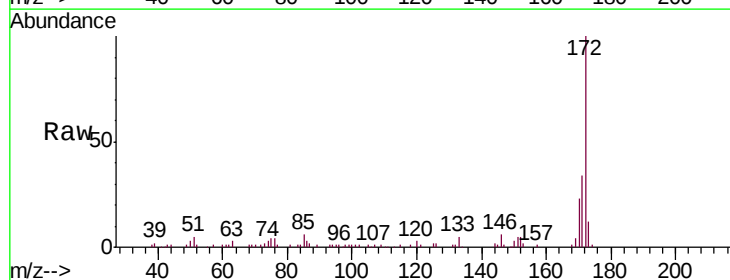


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

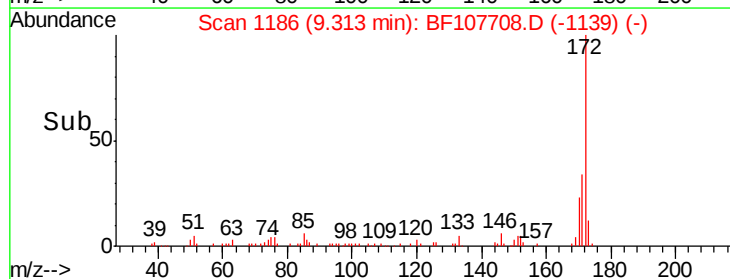
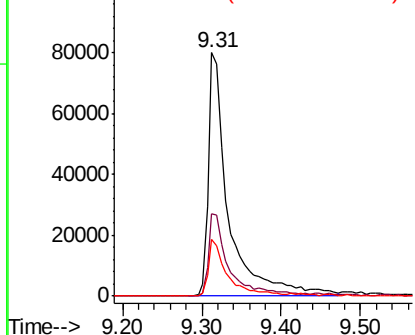


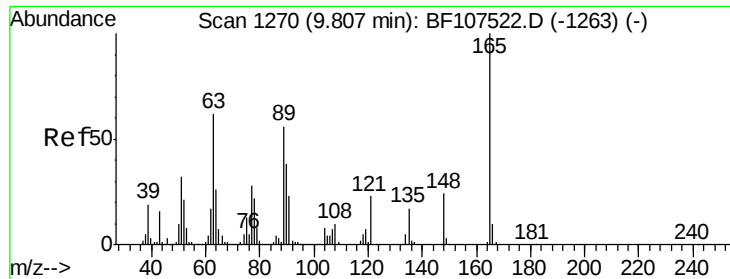
#44  
 2-Fluorobiphenyl  
 Concen: 1.522 ng  
 RT: 9.31 min Scan# 1186  
 Delta R.T. -0.02 min  
 Lab File: BF107708.D  
 Acq: 26 Jul 2018 19:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 33.6  | 29.7  | 44.5  |
| 170     | 23.1  | 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

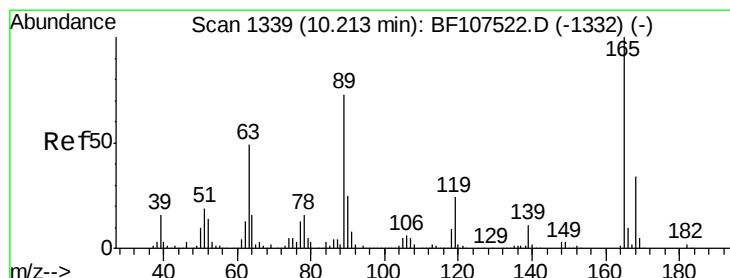
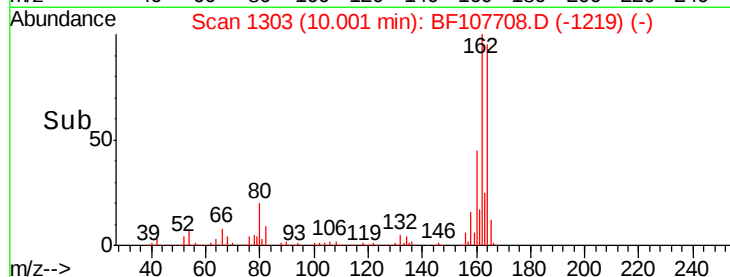
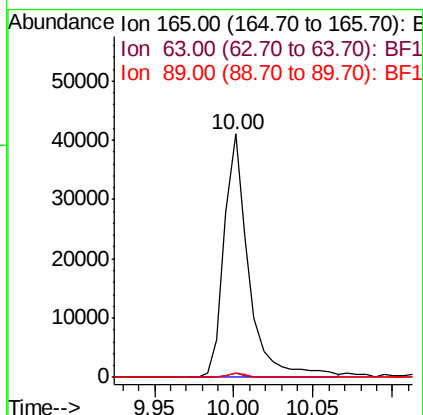
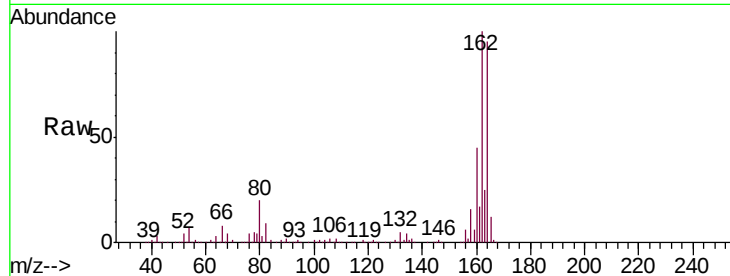




#50  
 2,6-Dinitrotoluene  
 Concen: 8.586 ng  
 RT: 10.00 min Scan# 1303  
 Delta R.T. 0.19 min  
 Lab File: BF107708.D  
 Acq: 26 Jul 2018 19:05

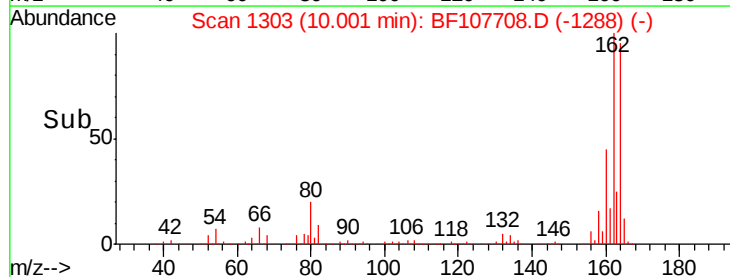
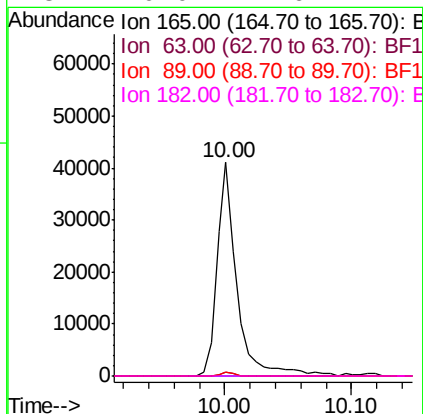
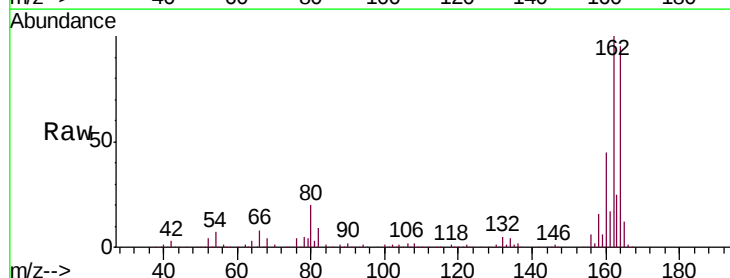
Instrument :  
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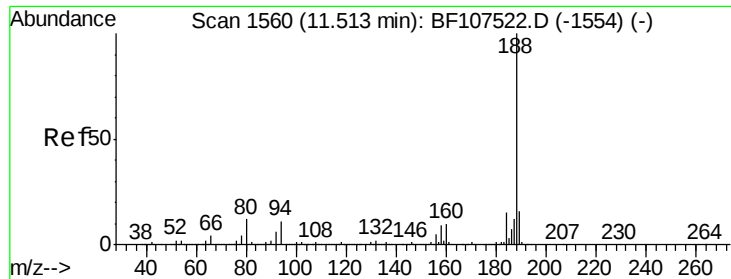
Tgt Ion:165 Resp: 44203  
 Ion Ratio Lower Upper  
 165 100  
 63 2.0 44.7 67.1#  
 89 1.7 44.0 66.0#



#56  
 2,4-Dinitrotoluene  
 Concen: 7.208 ng  
 RT: 10.00 min Scan# 1303  
 Delta R.T. -0.21 min  
 Lab File: BF107708.D  
 Acq: 26 Jul 2018 19:05

Tgt Ion:165 Resp: 44795  
 Ion Ratio Lower Upper  
 165 100  
 63 2.0 36.4 54.6#  
 89 1.7 57.8 86.6#  
 182 0.0 1.6 2.4#





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.49 min Scan# 1557

Delta R.T. -0.02 min

Lab File: BF107708.D

Acq: 26 Jul 2018 19:05

Instrument :

BNA\_F

ClientSampleId :

CON-BALLARDS-0-2

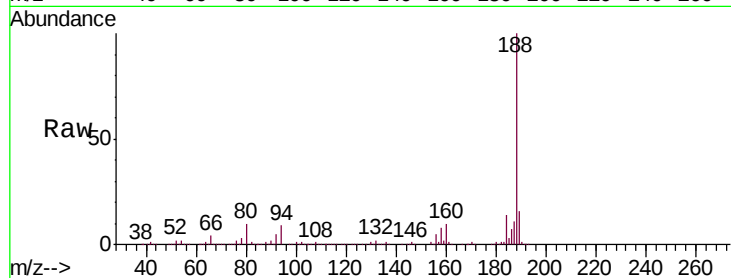
Tgt Ion:188 Resp: 706233

Ion Ratio Lower Upper

188 100

94 8.9 8.5 12.7

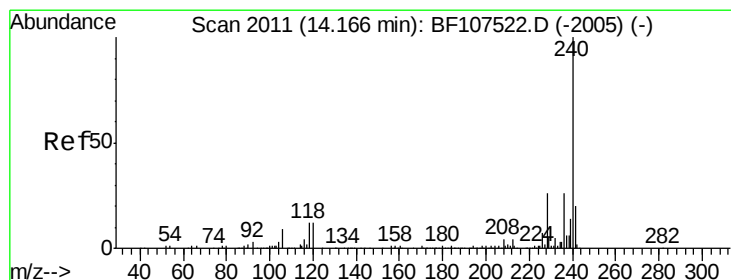
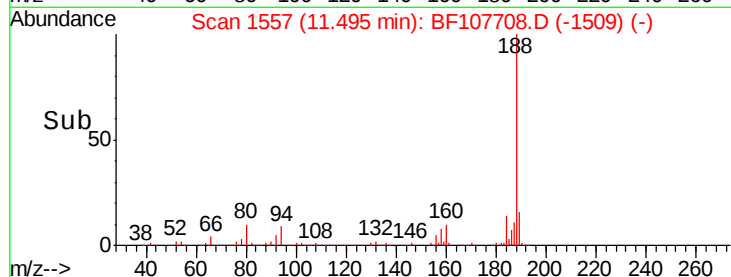
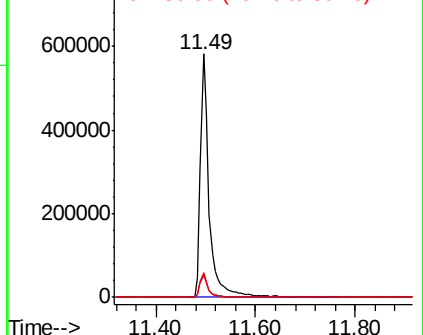
80 10.0 9.2 13.8



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.14 min Scan# 2007

Delta R.T. -0.02 min

Lab File: BF107708.D

Acq: 26 Jul 2018 19:05

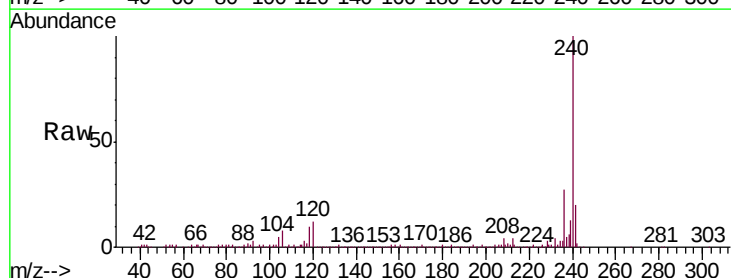
Tgt Ion:240 Resp: 427534

Ion Ratio Lower Upper

240 100

120 12.1 9.5 14.3

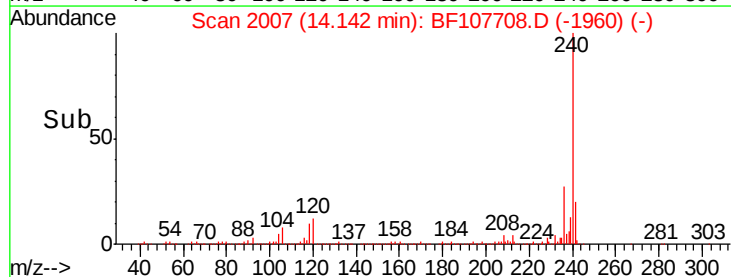
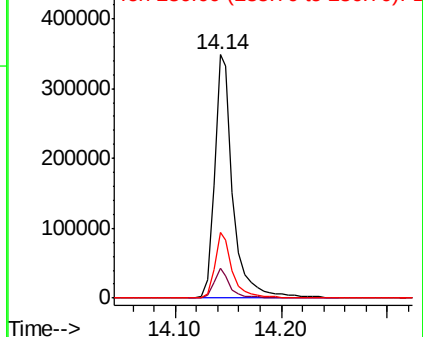
236 26.9 20.7 31.1

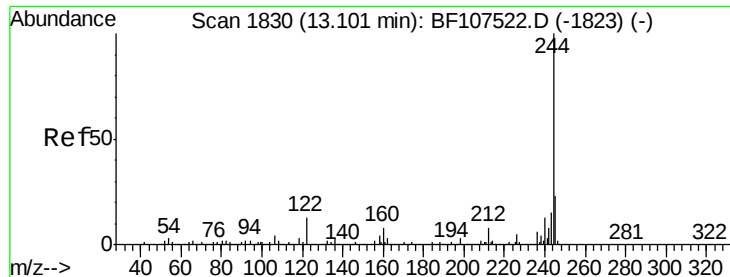


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 7.876 ng

RT: 13.08 min Scan# 1826

Delta R.T. -0.02 min

Lab File: BF107708.D

Acq: 26 Jul 2018 19:05

Instrument :

BNA\_F

ClientSampleId :

CON-BALLARDS-0-2

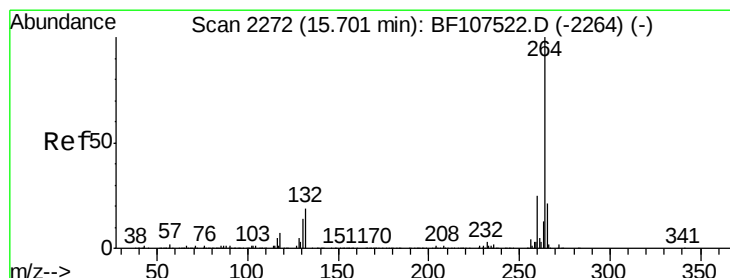
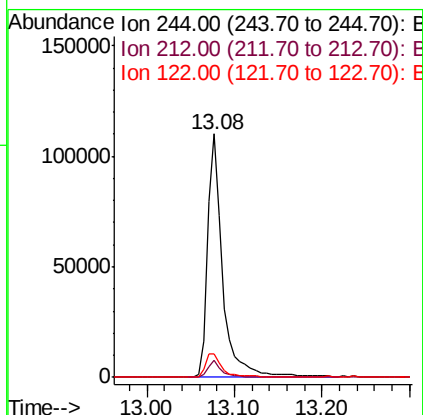
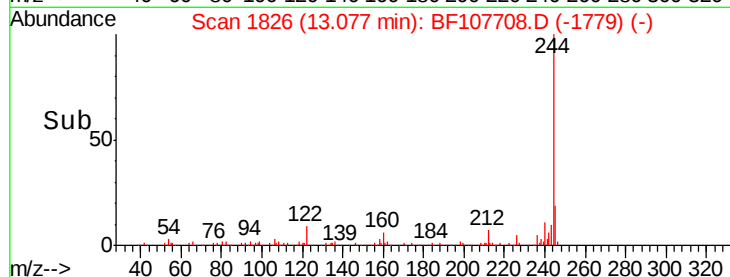
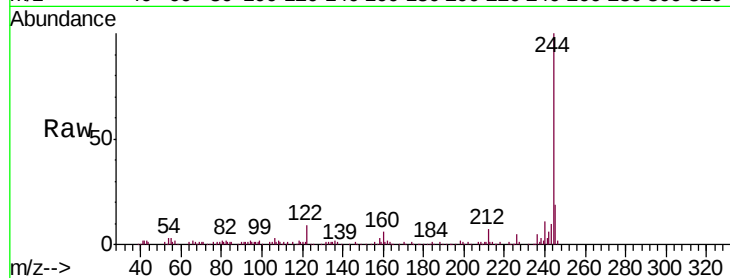
Tgt Ion:244 Resp: 131522

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

122 9.5 11.0 16.4#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.67 min Scan# 2267

Delta R.T. -0.03 min

Lab File: BF107708.D

Acq: 26 Jul 2018 19:05

Tgt Ion:264 Resp: 478842

Ion Ratio Lower Upper

264 100

260 24.6 19.2 28.8

265 21.6 17.5 26.3

