

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082218\  
 Data File : BF108396.D  
 Acq On : 22 Aug 2018 21:12  
 Operator : JU/SJ  
 Sample : J4278-09 10X  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Aug 23 02:17:27 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Aug 22 11:01:45 2018  
 Response via : Initial Calibration

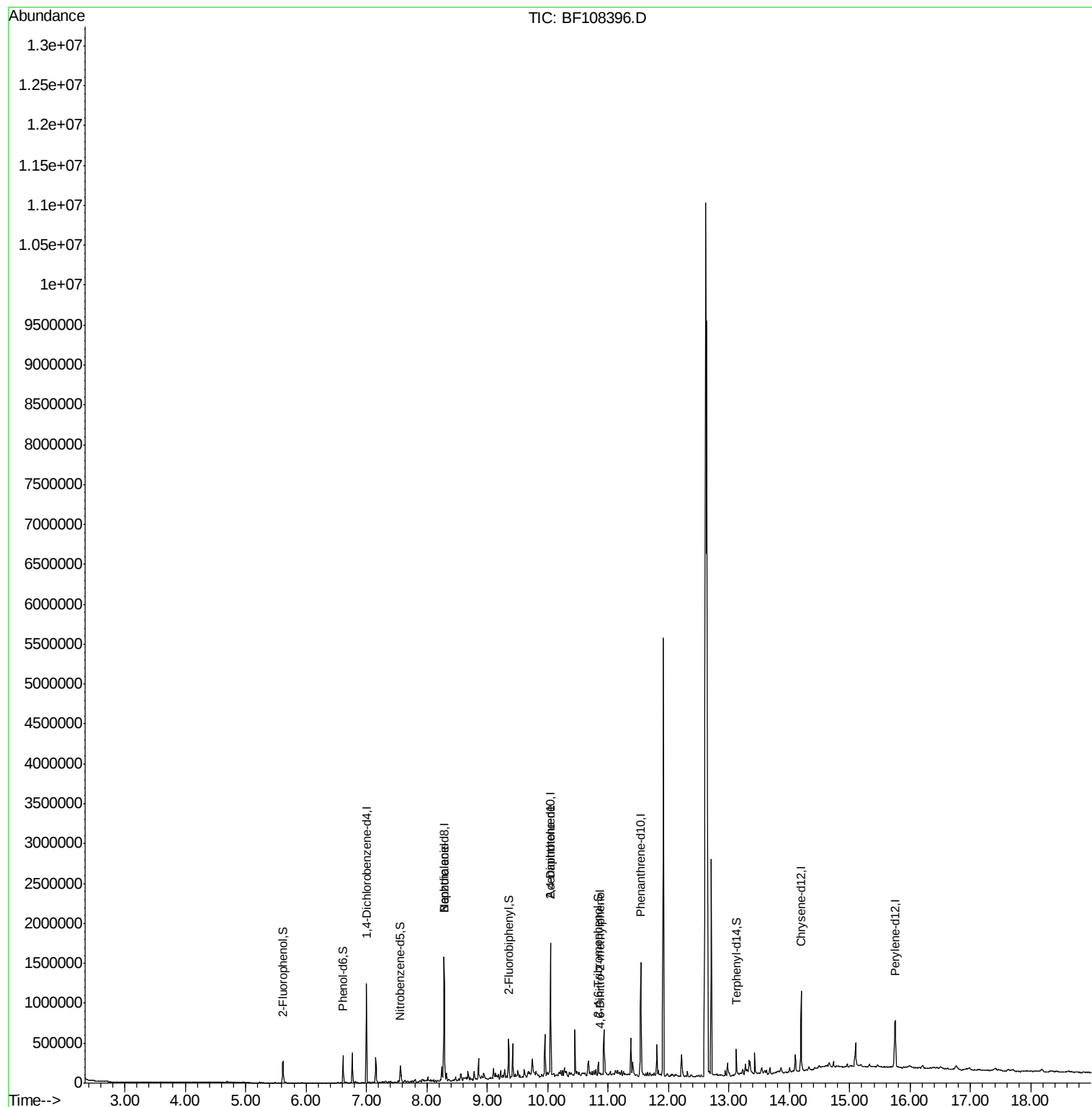
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.00  | 152  | 167866   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.28  | 136  | 644438   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10           | 10.05 | 164  | 292890   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10           | 11.54 | 188  | 482774   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12               | 14.19 | 240  | 326248   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12               | 15.75 | 264  | 299511   | 20.00 | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |       |       |          |
| 5) 2-Fluorophenol              | 5.62  | 112  | 75566    | 8.15  | ng    | -0.01    |
| 7) Phenol-d6                   | 6.61  | 99   | 104354   | 8.47  | ng    | -0.02    |
| 23) Nitrobenzene-d5            | 7.56  | 82   | 64584    | 5.59  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol       | 10.84 | 330  | 18818    | 6.44  | ng    | -0.01    |
| 44) 2-Fluorobiphenyl           | 9.35  | 172  | 136366   | 7.47  | ng    | -0.01    |
| 78) Terphenyl-d14              | 13.12 | 244  | 95130    | 7.41  | ng    | 0.00     |
| Target Compounds               |       |      |          |       |       |          |
| 32) Benzoic acid               | 8.29  | 122  | 108      | 5.991 | ng    | # 1      |
| 56) 2,4-Dinitrotoluene         | 10.05 | 165  | 42499    | 7.735 | ng    | # 24     |
| 64) 4,6-Dinitro-2-methylphenol | 10.87 | 198  | 219      | 5.466 | ng    | # 1      |

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

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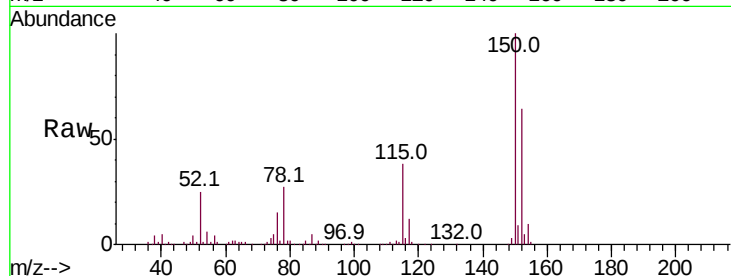


#1

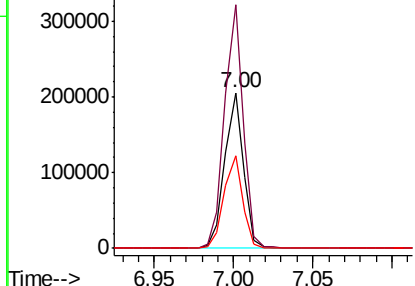
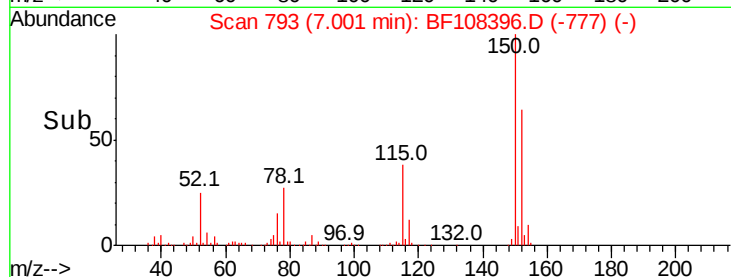
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.00 min Scan# 793  
Delta R.T. -0.01 min  
Lab File: BF108396.D  
Acq: 22 Aug 2018 21:12

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:152 Resp: 167866  
Ion Ratio Lower Upper  
152 100  
150 156.7 124.6 186.8  
115 59.9 50.1 75.1



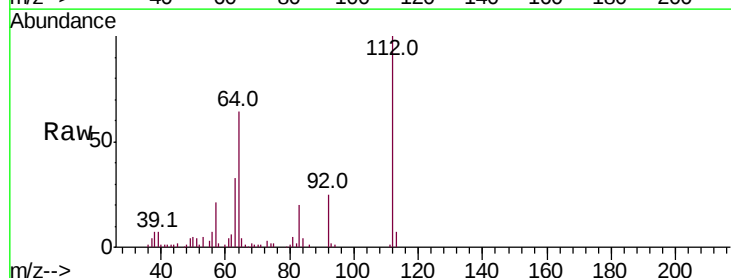
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



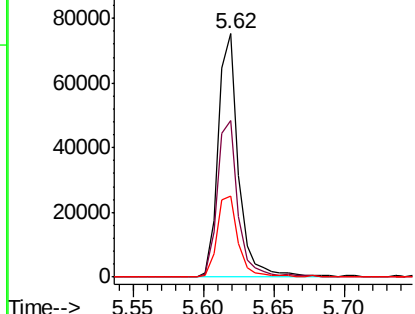
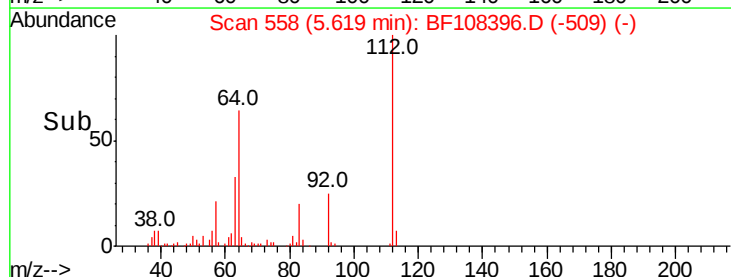
#5

2-Fluorophenol  
Concen: 8.150 ng  
RT: 5.62 min Scan# 558  
Delta R.T. -0.01 min  
Lab File: BF108396.D  
Acq: 22 Aug 2018 21:12

Tgt Ion:112 Resp: 75566  
Ion Ratio Lower Upper  
112 100  
64 64.1 47.9 71.9  
63 33.3 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: 8.469 ng

RT: 6.61 min Scan# 727

Delta R.T. -0.02 min

Lab File: BF108396.D

Acq: 22 Aug 2018 21:12

Instrument :

BNA\_F

ClientSampleId :

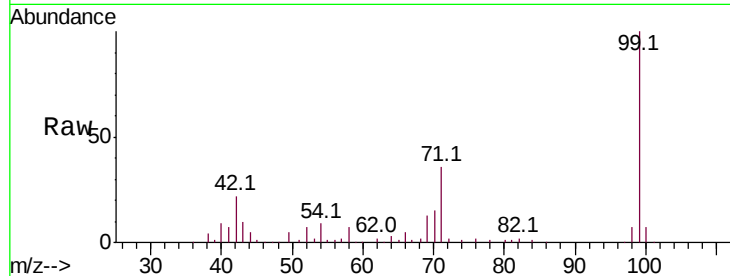
Tot Ion: 99 Resp: 104354

Ion Ratio Lower Upper

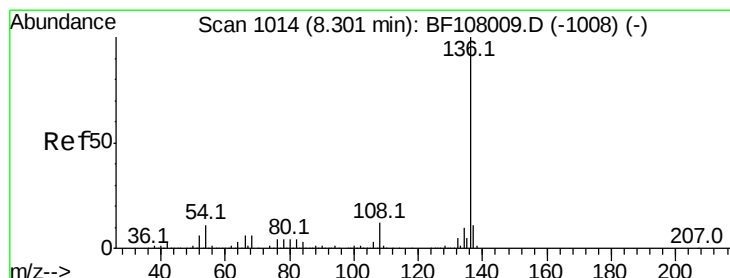
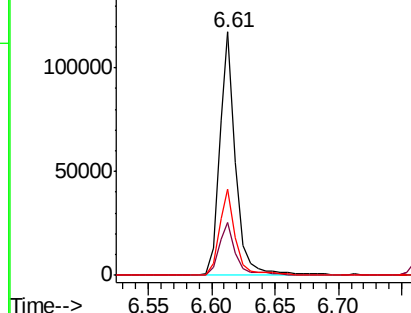
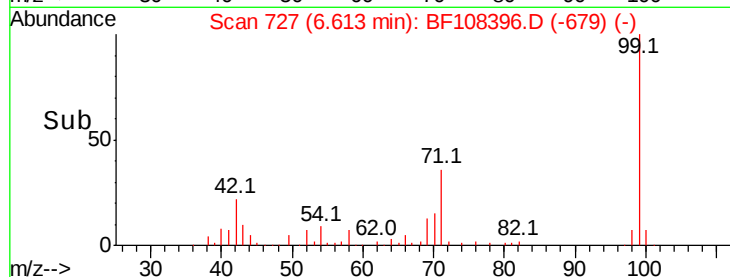
99 100

42 21.7 14.5 21.7

71 35.6 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: 8.28 min Scan# 1011

Delta R.T. -0.01 min

Lab File: BF108396.D

Acq: 22 Aug 2018 21:12

Tgt Ion: 136 Resp: 644438

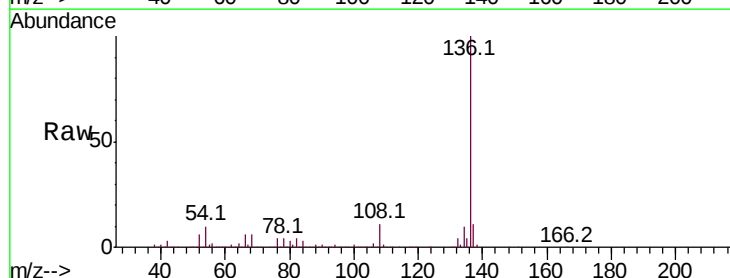
Ion Ratio Lower Upper

136 100

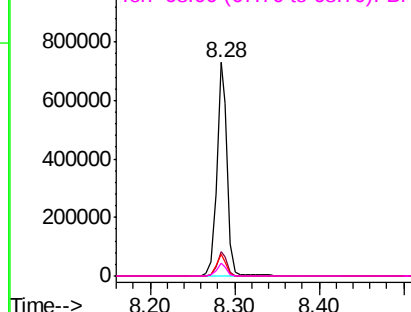
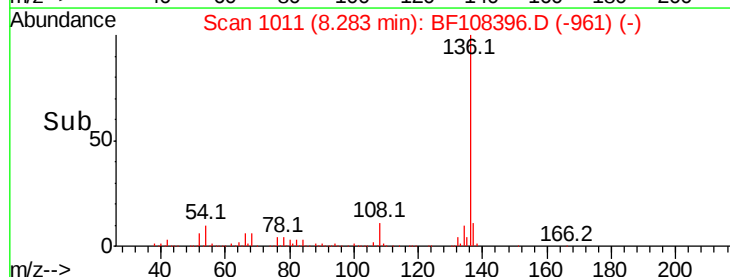
137 11.2 8.9 13.3

54 10.0 6.6 9.8#

68 6.2 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

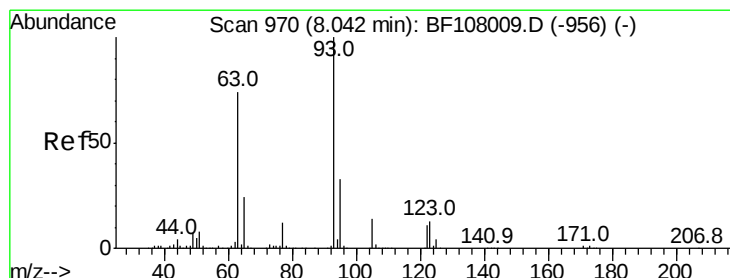
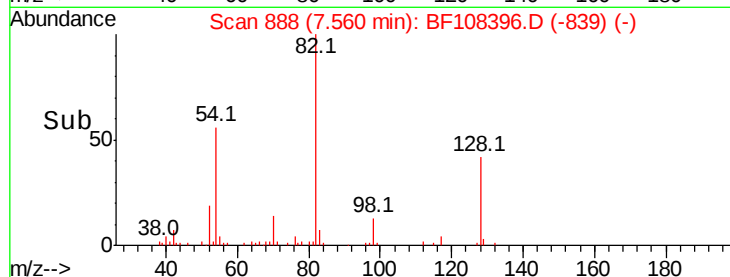
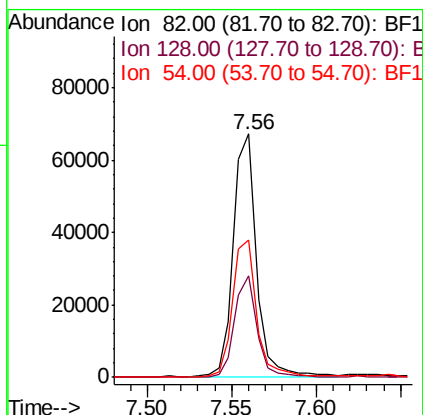
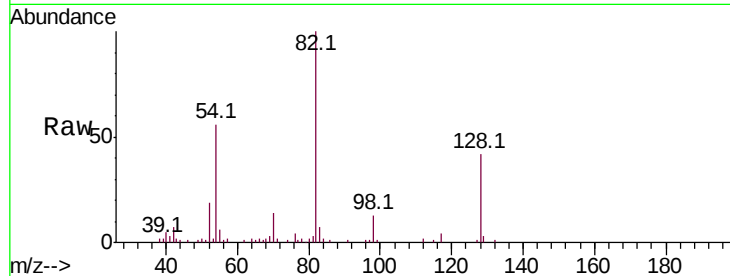




#23  
 Nitrobenzene-d5  
 Concen: 5.592 ng  
 RT: 7.56 min Scan# 888  
 Delta R.T. -0.01 min  
 Lab File: BF108396.D  
 Acq: 22 Aug 2018 21:12

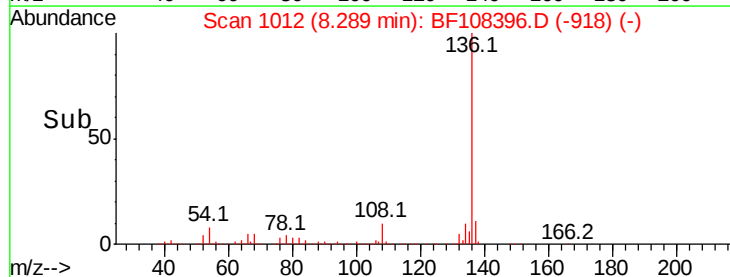
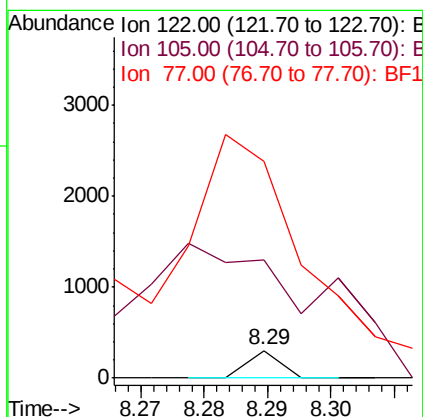
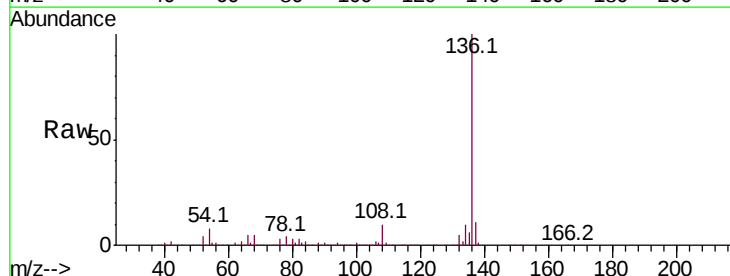
Instrument :  
 BNA\_F  
 ClientSampled :

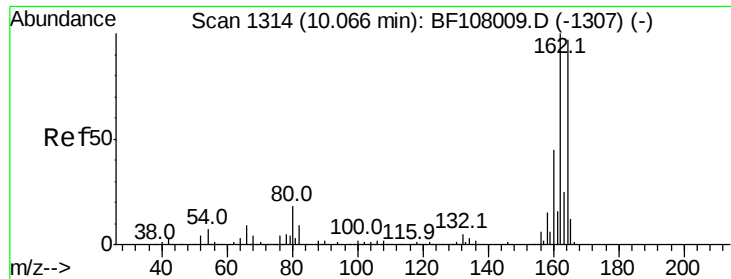
Tot Ion: 82 Resp: 64584  
 Ion Ratio Lower Upper  
 82 100  
 128 41.6 36.1 54.1  
 54 56.3 41.4 62.2



#32  
 Benzoic acid  
 Concen: 5.991 ng  
 RT: 8.29 min Scan# 1012  
 Delta R.T. 0.25 min  
 Lab File: BF108396.D  
 Acq: 22 Aug 2018 21:12

Tgt Ion:122 Resp: 108  
 Ion Ratio Lower Upper  
 122 100  
 105 424.5 101.1 141.1#  
 77 780.1 70.7 110.7#

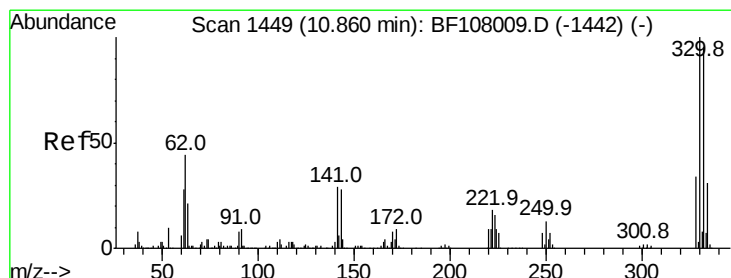
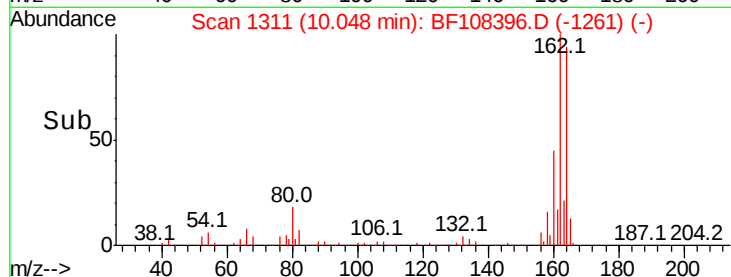
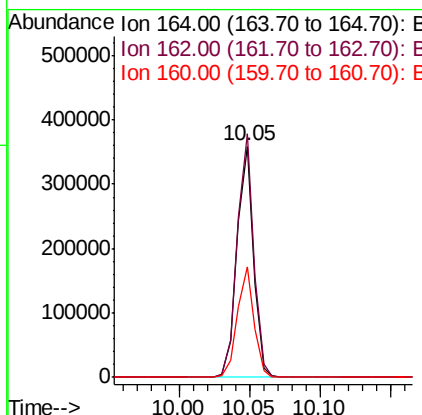
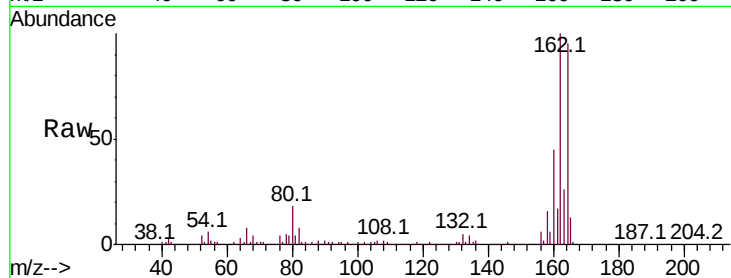




#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 10.05 min Scan# 1311  
 Delta R.T. -0.01 min  
 Lab File: BF108396.D  
 Acq: 22 Aug 2018 21:12

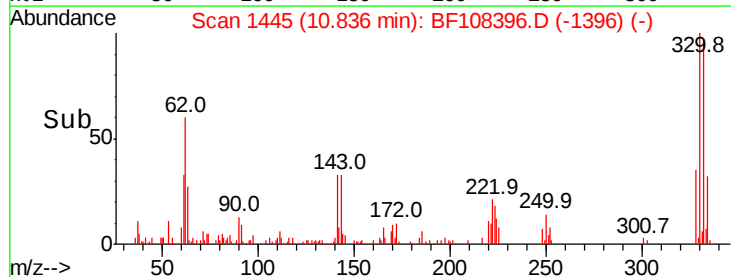
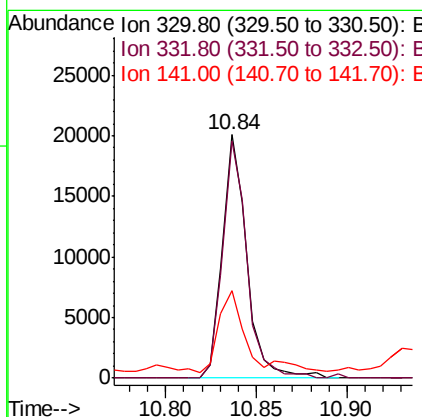
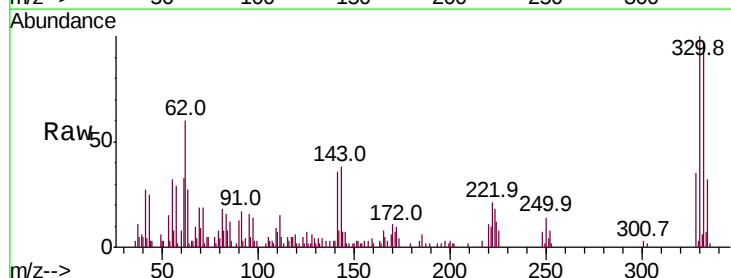
Instrument :  
 BNA\_F  
 ClientSampleId :

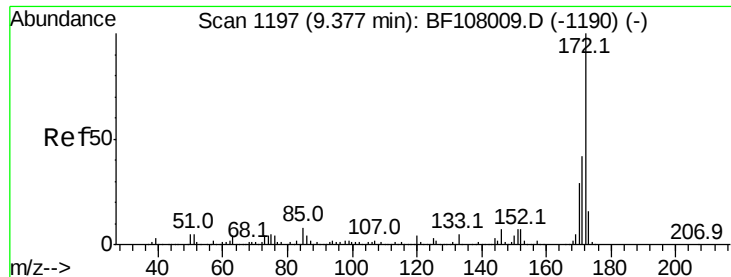
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 105.5 | 86.1  | 129.1 |
| 160     | 47.8  | 38.3  | 57.5  |



#41  
 2,4,6-Tribromophenol  
 Concen: 6.441 ng  
 RT: 10.84 min Scan# 1445  
 Delta R.T. -0.01 min  
 Lab File: BF108396.D  
 Acq: 22 Aug 2018 21:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 97.0  | 77.0  | 115.6 |
| 141     | 32.8  | 29.9  | 44.9  |

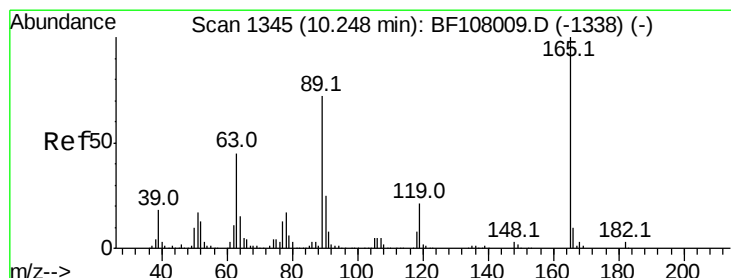
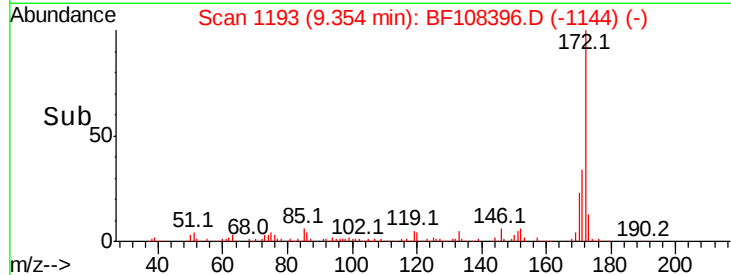
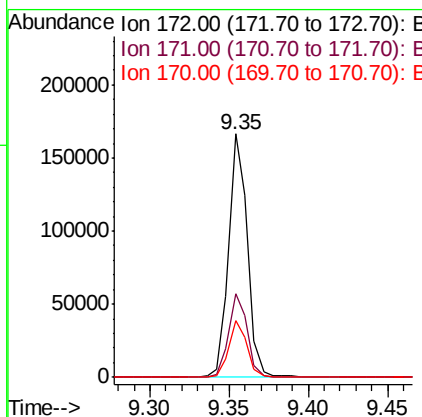
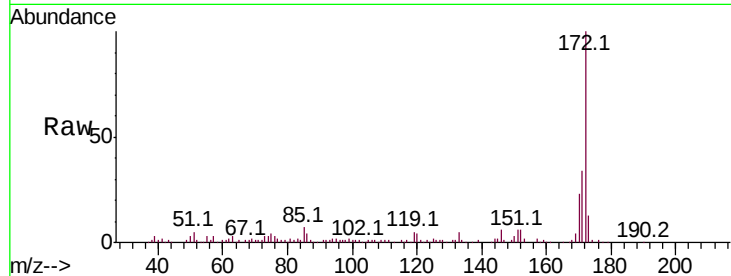




#44  
 2-Fluorobiphenyl  
 Concen: 7.475 ng  
 RT: 9.35 min Scan# 1193  
 Delta R.T. -0.01 min  
 Lab File: BF108396.D  
 Acq: 22 Aug 2018 21:12

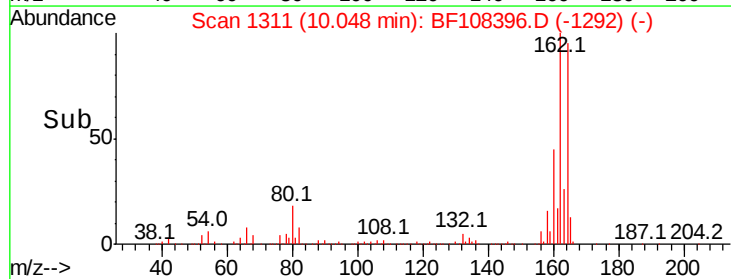
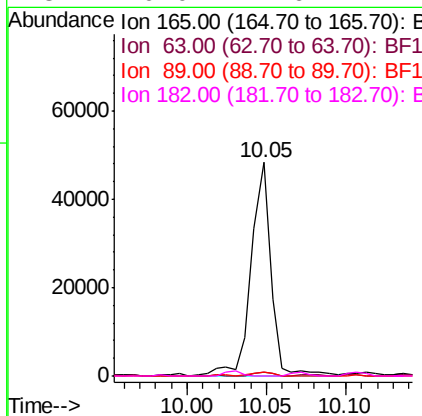
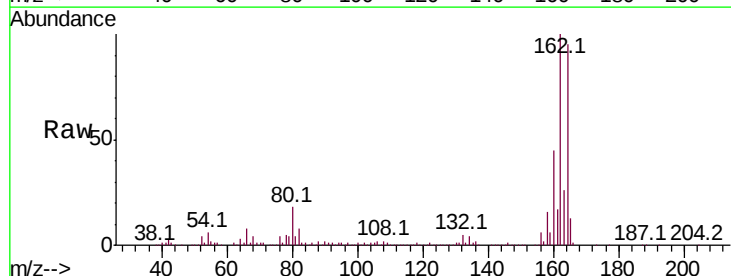
Instrument :  
 BNA\_F  
 ClientSampleId :

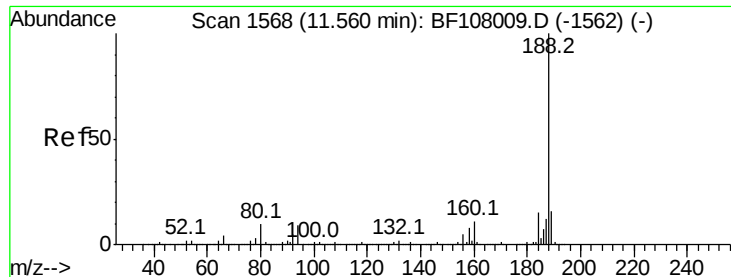
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 172   | Resp: | 136366 |
| Ion      | Ratio | Lower | Upper  |
| 172      | 100   |       |        |
| 171      | 34.4  | 29.7  | 44.5   |
| 170      | 23.4  | 19.6  | 29.4   |



#56  
 2,4-Dinitrotoluene  
 Concen: 7.735 ng  
 RT: 10.05 min Scan# 1311  
 Delta R.T. -0.19 min  
 Lab File: BF108396.D  
 Acq: 22 Aug 2018 21:12

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 165   | Resp: | 42499 |
| Ion      | Ratio | Lower | Upper |
| 165      | 100   |       |       |
| 63       | 2.1   | 36.4  | 54.6# |
| 89       | 1.8   | 57.8  | 86.6# |
| 182      | 0.0   | 1.6   | 2.4#  |

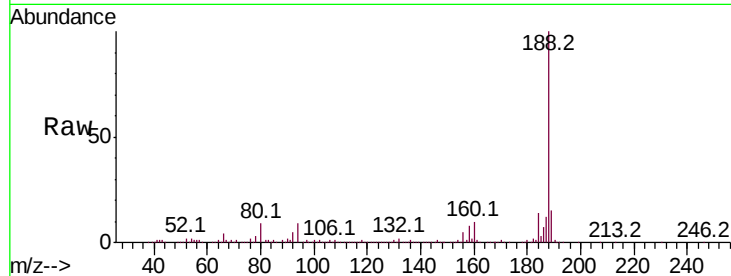




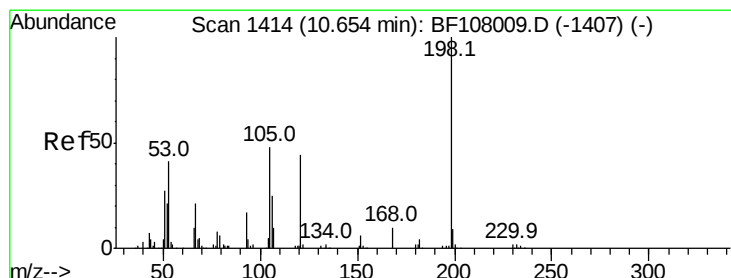
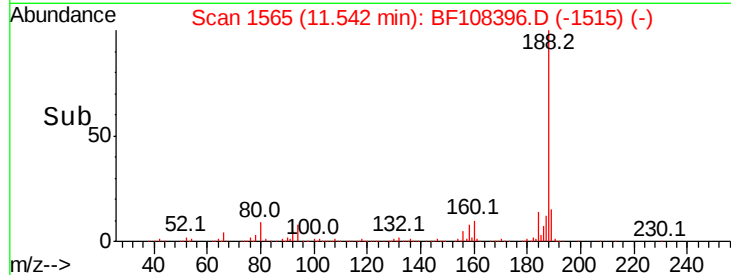
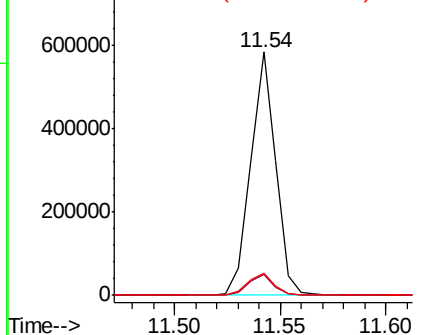
#63  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.54 min Scan# 1565  
 Delta R.T. -0.01 min  
 Lab File: BF108396.D  
 Acq: 22 Aug 2018 21:12

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:188 Resp: 482774  
 Ion Ratio Lower Upper  
 188 100  
 94 8.5 8.5 12.7  
 80 9.1 9.2 13.8#

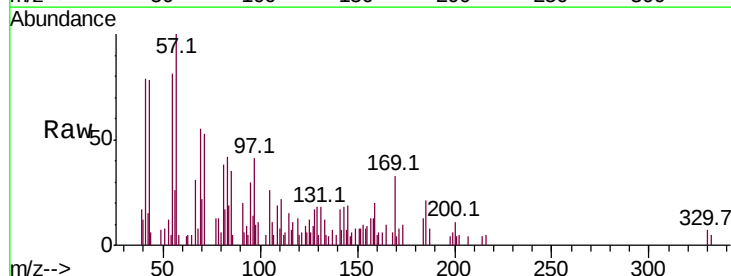


Abundance Ion 188.00 (187.70 to 188.70): E  
 800000  
 Ion 94.00 (93.70 to 94.70): BF1  
 Ion 80.00 (79.70 to 80.70): BF1

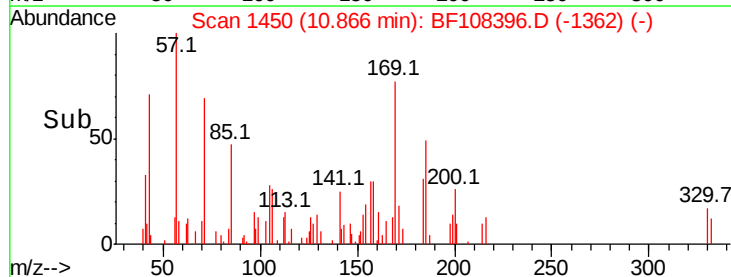
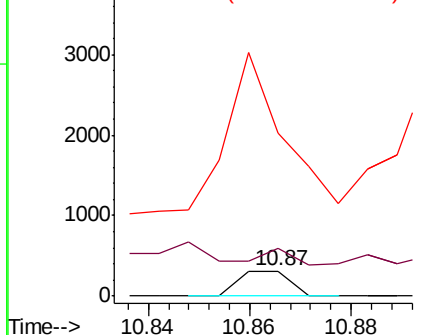


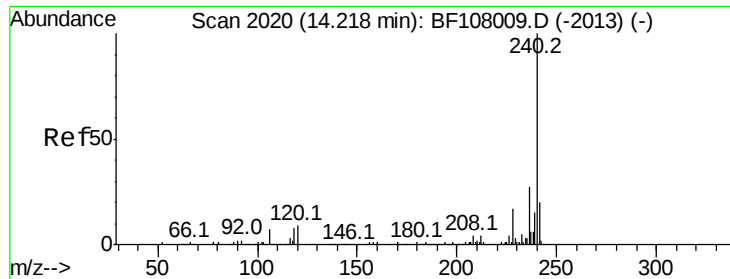
#64  
 4,6-Dinitro-2-methylphenol  
 Concen: 5.466 ng  
 RT: 10.87 min Scan# 1450  
 Delta R.T. 0.22 min  
 Lab File: BF108396.D  
 Acq: 22 Aug 2018 21:12

Tgt Ion:198 Resp: 219  
 Ion Ratio Lower Upper  
 198 100  
 51 188.4 37.7 77.7#  
 105 650.8 36.3 76.3#



Abundance Ion 198.00 (197.70 to 198.70): E  
 4000  
 Ion 51.00 (50.70 to 51.70): BF1  
 Ion 105.00 (104.70 to 105.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.19 min Scan# 2016

Delta R.T. -0.01 min

Lab File: BF108396.D

Acq: 22 Aug 2018 21:12

Instrument :

BNA\_F

ClientSampleId :

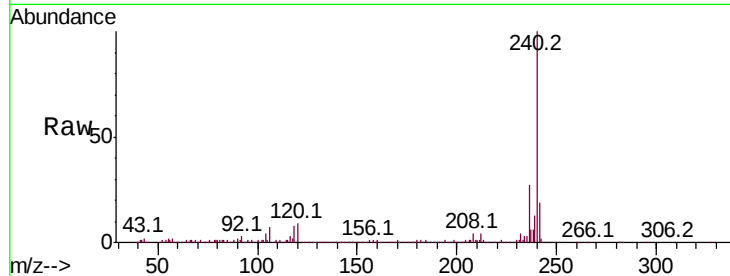
Tot Ion:240 Resp: 326248

Ion Ratio Lower Upper

240 100

120 9.1 9.5 14.3#

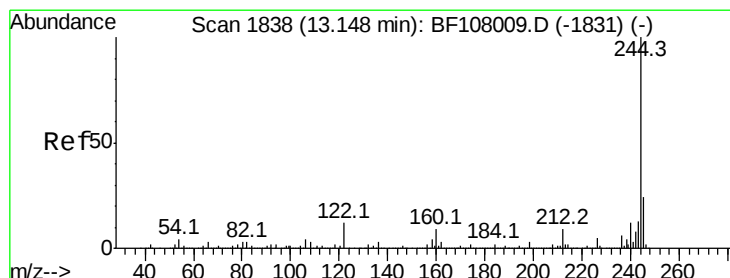
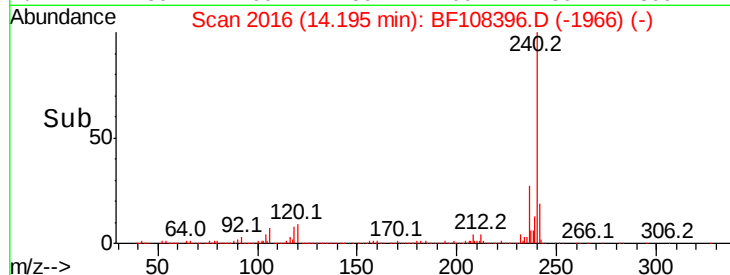
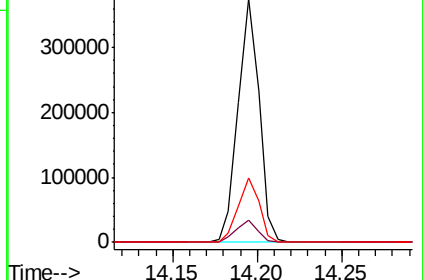
236 26.5 20.7 31.1



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: 7.414 ng

RT: 13.12 min Scan# 1834

Delta R.T. -0.01 min

Lab File: BF108396.D

Acq: 22 Aug 2018 21:12

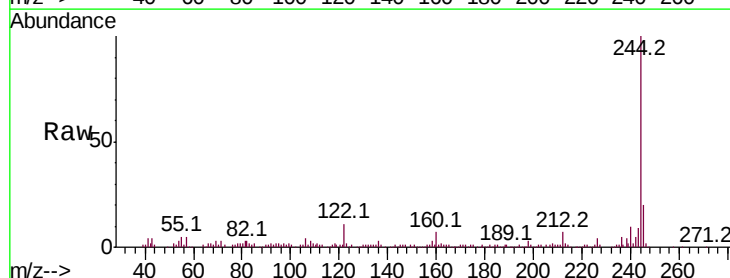
Tgt Ion:244 Resp: 95130

Ion Ratio Lower Upper

244 100

212 7.3 5.4 8.0

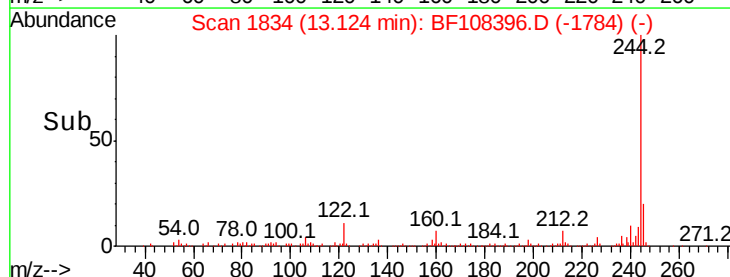
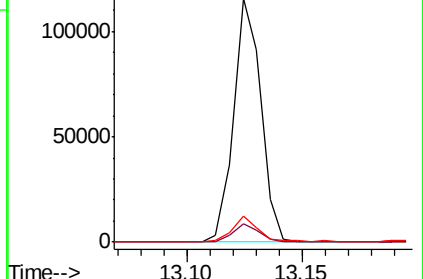
122 10.9 11.0 16.4#

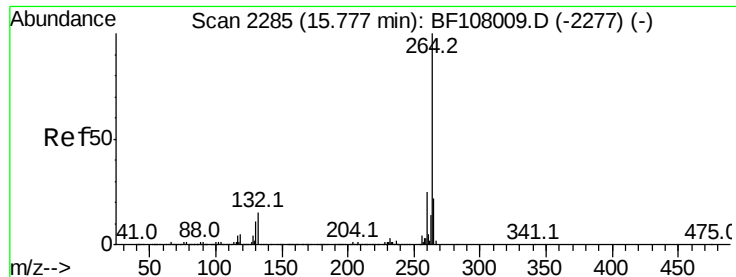


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

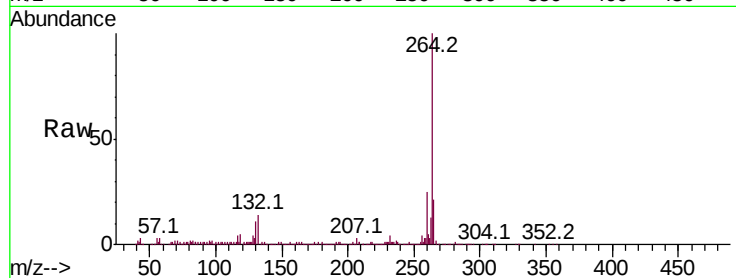




#86  
Pervlene-d12  
Concen: 20.000 ng  
RT: 15.75 min Scan# 2281  
Delta R.T. -0.01 min  
Lab File: BF108396.D  
Acq: 22 Aug 2018 21:12

Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.8  | 19.2  | 28.8  |
| 265     | 21.3  | 17.5  | 26.3  |



Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

