

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110918\  
 Data File : BF110629.D  
 Acq On : 9 Nov 2018 15:57  
 Operator : JU/SJ  
 Sample : J5832-02  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Nov 09 17:17:44 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF110818.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Nov 09 15:13:13 2018  
 Response via : Initial Calibration

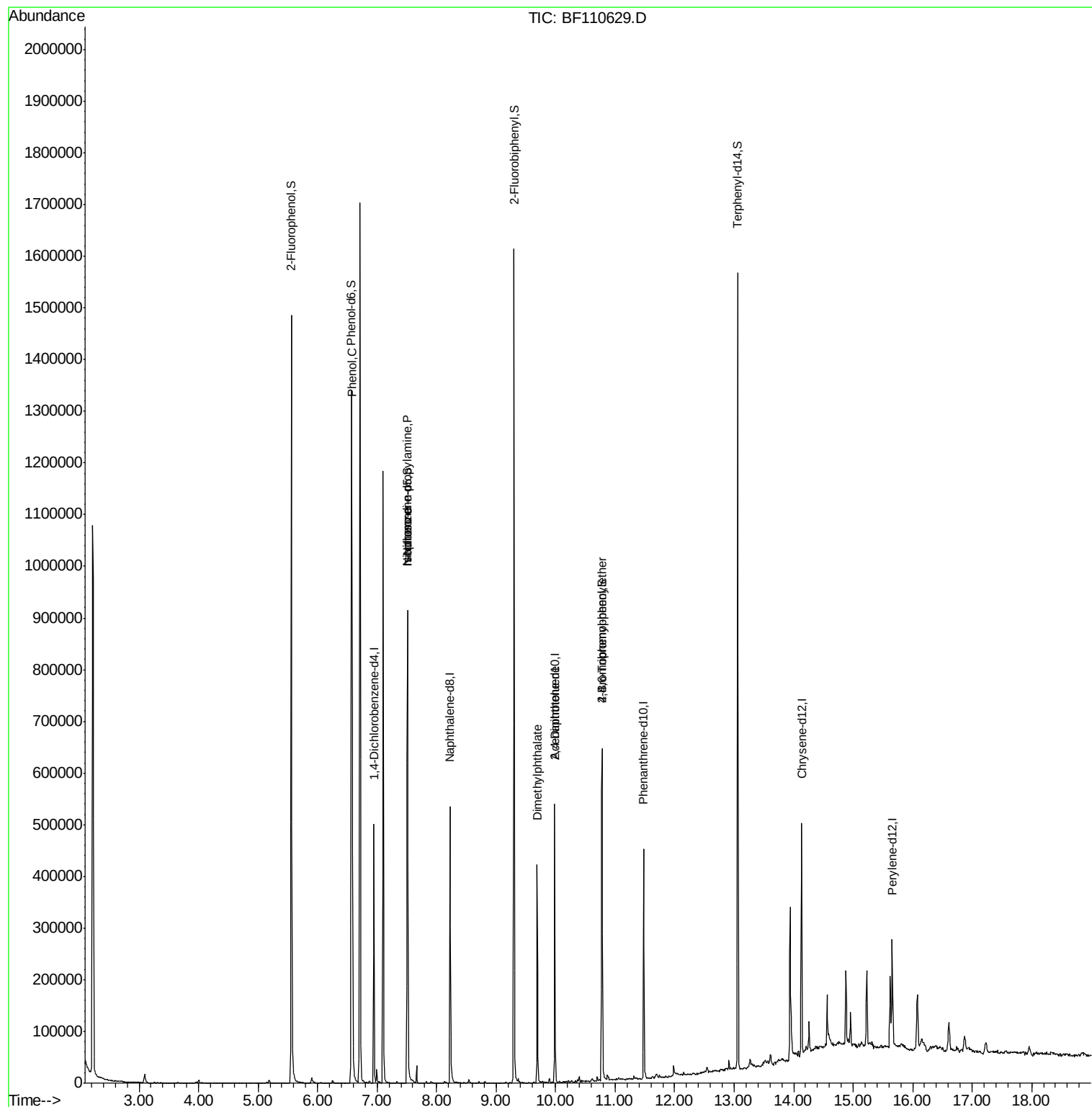
| Internal Standards             | R.T.  | QIon | Response | Conc      | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-----------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.95  | 152  | 70670    | 20.00     | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.23  | 136  | 250855   | 20.00     | ng    | 0.00     |
| 39) Acenaphthene-d10           | 9.99  | 164  | 96505    | 20.00     | ng    | 0.00     |
| 64) Phenanthrene-d10           | 11.48 | 188  | 162702   | 20.00     | ng    | 0.00     |
| 76) Chrysene-d12               | 14.13 | 240  | 144288   | 20.00     | ng    | 0.00     |
| 87) Perylene-d12               | 15.66 | 264  | 100902   | 20.00     | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |           |       |          |
| 5) 2-Fluorophenol              | 5.56  | 112  | 422851   | 97.19     | ng    | 0.00     |
| 7) Phenol-d6                   | 6.57  | 99   | 496532   | 89.25     | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.51  | 82   | 296524   | 68.07     | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol       | 10.78 | 330  | 80408    | 82.69     | ng    | 0.00     |
| 45) 2-Fluorobiphenyl           | 9.30  | 172  | 498553   | 73.78     | ng    | 0.00     |
| 79) Terphenyl-d14              | 13.06 | 244  | 458068   | 59.45     | ng    | 0.00     |
| Target Compounds               |       |      |          |           |       |          |
| 9) Benzaldehyde                | 6.58  | 77   | 1911     | Below Cal |       | Qvalue   |
| 10) Phenol                     | 6.58  | 94   | 151521   | 23.487 ng | #     | 1        |
| 19) n-Nitroso-di-n-propylamine | 7.51  | 70   | 38855    | 10.941 ng | #     | 67       |
| 25) Isophorone                 | 7.51  | 82   | 296522   | 41.533 ng | #     | 81       |
| 50) Dimethylphthalate          | 9.69  | 163  | 166595   | 23.135 ng | #     | 67       |
| 57) 2,4-Dinitrotoluene         | 9.99  | 165  | 12342    | 5.992 ng  | #     | 99       |
| 67) 4-Bromophenyl-phenylether  | 10.78 | 248  | 5167     | 2.873 ng  | #     | 17       |
|                                |       |      |          |           | #     | 1        |

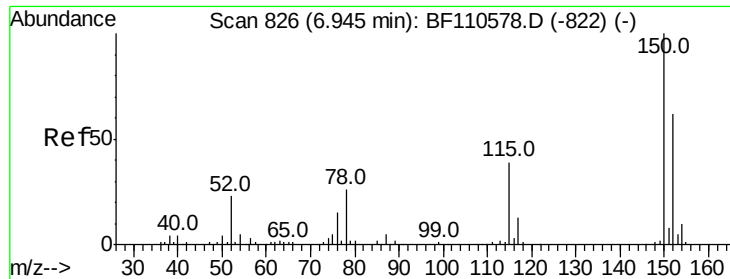
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : J5832-02  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
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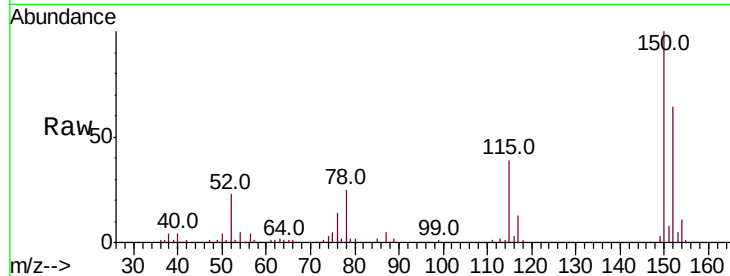


#1

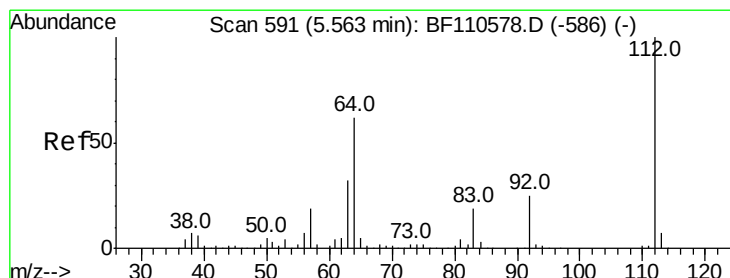
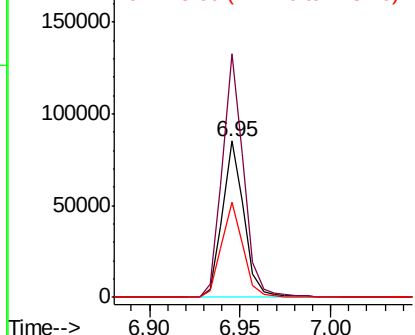
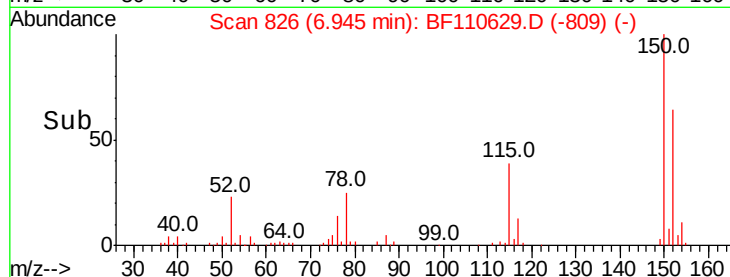
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.95 min Scan# 826  
Delta R.T. -0.00 min  
Lab File: BF110629.D  
Acq: 9 Nov 2018 15:57

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:152 Resp: 70670  
Ion Ratio Lower Upper  
152 100  
150 155.6 122.7 184.1  
115 60.9 49.1 73.7



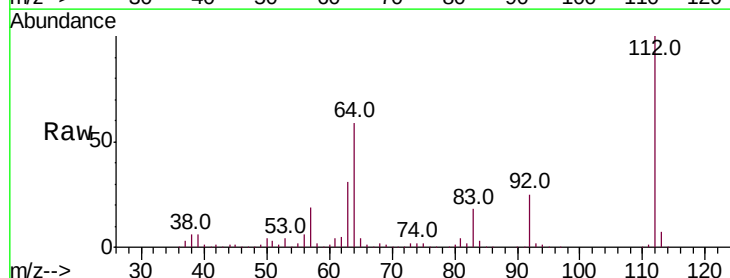
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



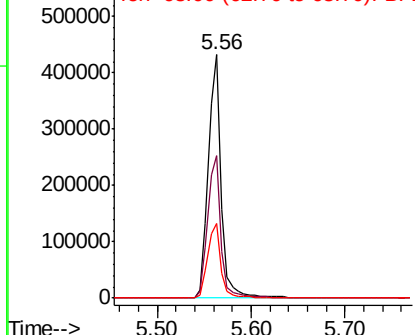
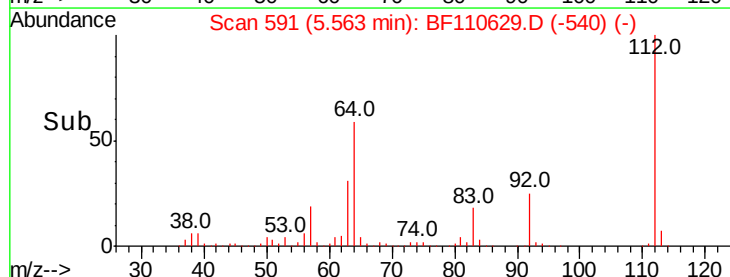
#5

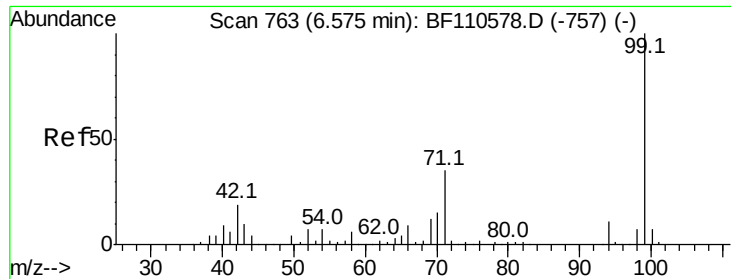
2-Fluorophenol  
Concen: 97.190 ng  
RT: 5.56 min Scan# 591  
Delta R.T. -0.00 min  
Lab File: BF110629.D  
Acq: 9 Nov 2018 15:57

Tgt Ion:112 Resp: 422851  
Ion Ratio Lower Upper  
112 100  
64 58.6 44.1 66.1  
63 30.7 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: 89.247 ng

RT: 6.57 min Scan# 762

Delta R.T. -0.01 min

Lab File: BF110629.D

Acq: 9 Nov 2018 15:57

Instrument :

BNA\_F

ClientSampleId :

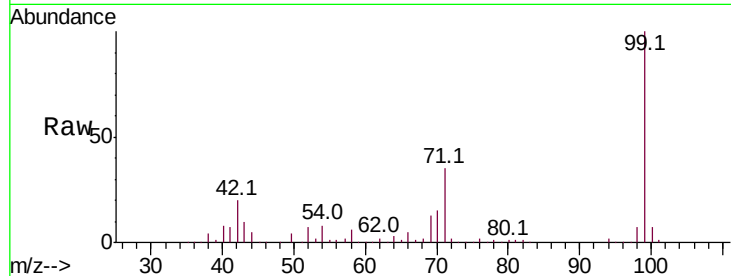
Tot Ion: 99 Resp: 496532

Ion Ratio Lower Upper

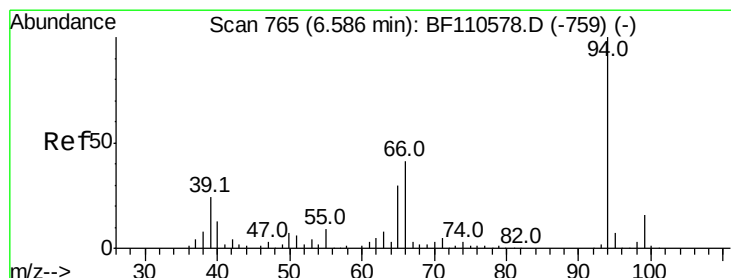
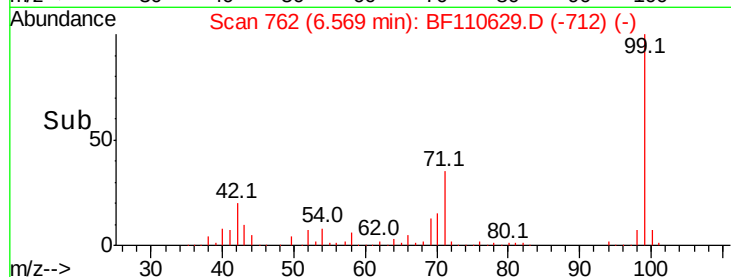
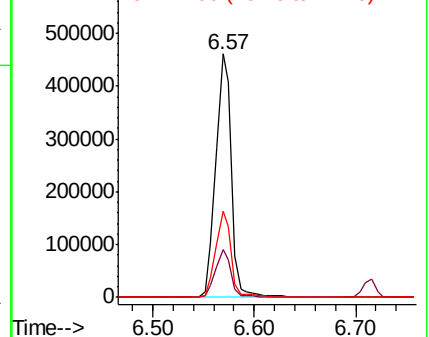
99 100

42 19.8 15.8 23.6

71 35.4 28.0 42.0



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



#10

Phenol

Concen: 23.487 ng

RT: 6.58 min Scan# 764

Delta R.T. -0.01 min

Lab File: BF110629.D

Acq: 9 Nov 2018 15:57

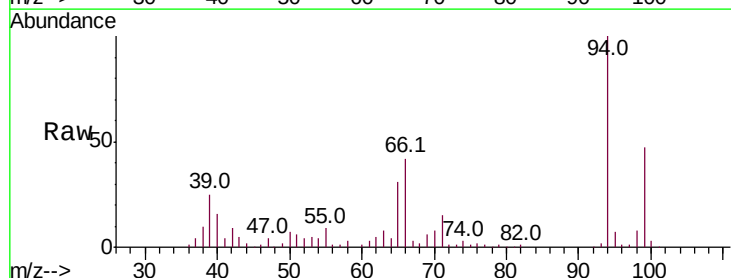
Tgt Ion: 94 Resp: 151521

Ion Ratio Lower Upper

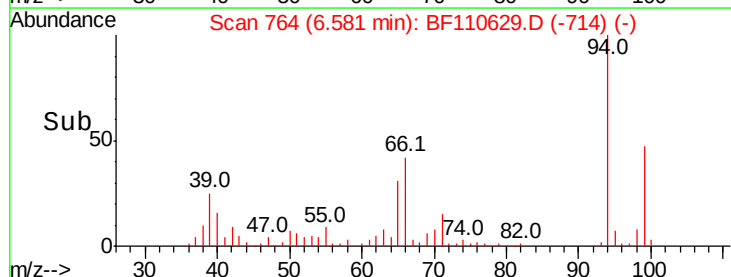
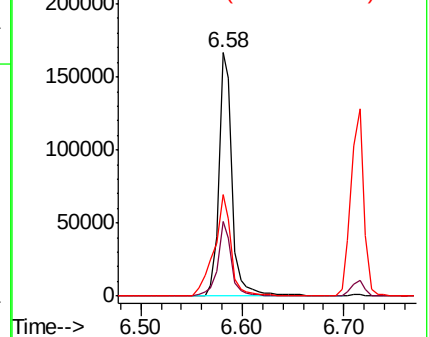
94 100

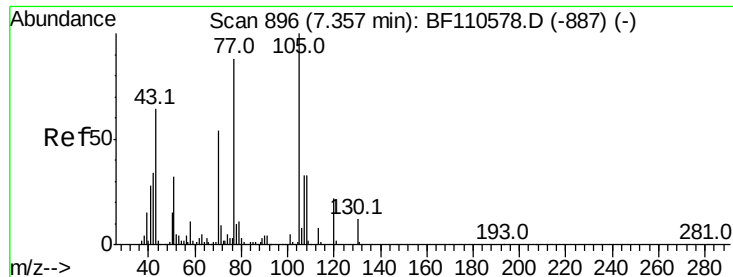
65 30.7 25.3 65.3

66 41.6 54.5 94.5#



Abundance Ion 94.00 (93.70 to 94.70): BF1  
Ion 65.00 (64.70 to 65.70): BF1  
Ion 66.00 (65.70 to 66.70): BF1

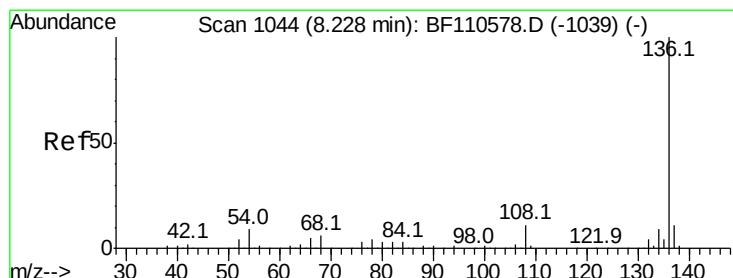
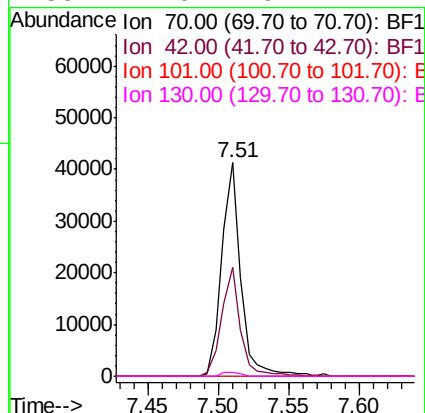
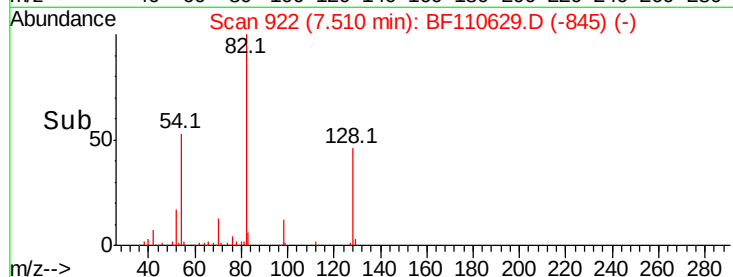
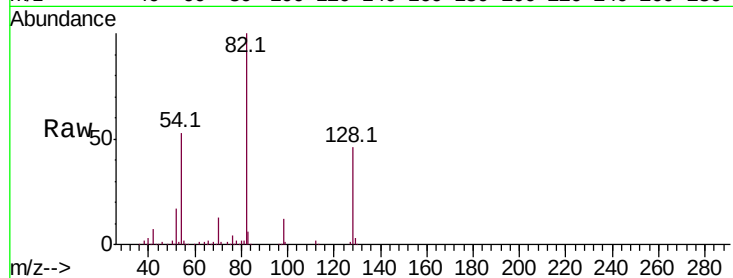




#19  
n-Nitroso-di-n-propylamine  
Concen: 10.941 ng  
RT: 7.51 min Scan# 922  
Delta R.T. 0.15 min  
Lab File: BF110629.D  
Acq: 9 Nov 2018 15:57

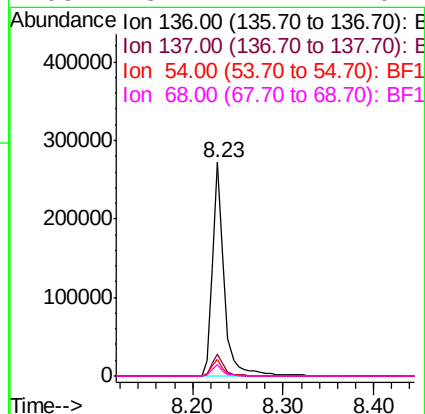
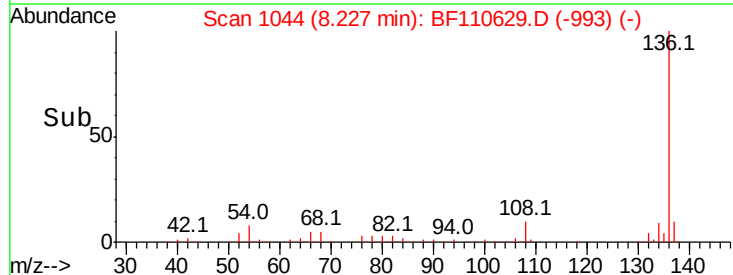
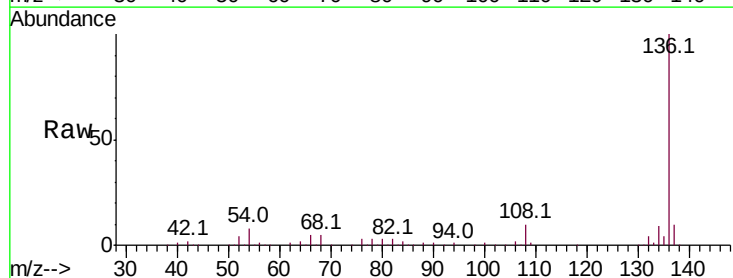
Instrument :  
BNA\_F  
ClientSampleId :

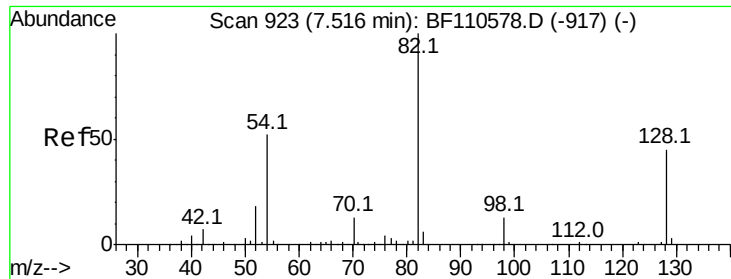
Tot Ion: 70 Resp: 38855  
Ion Ratio Lower Upper  
70 100  
42 50.9 47.4 71.2  
101 0.0 7.3 10.9#  
130 2.0 16.2 24.2#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.23 min Scan# 1044  
Delta R.T. -0.00 min  
Lab File: BF110629.D  
Acq: 9 Nov 2018 15:57

Tgt Ion: 136 Resp: 250855  
Ion Ratio Lower Upper  
136 100  
137 10.5 8.8 13.2  
54 7.8 5.4 8.2  
68 5.4 4.2 6.2

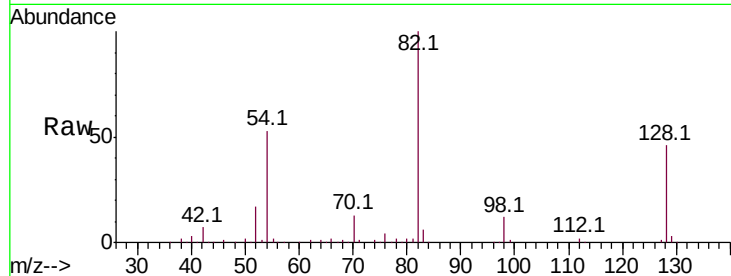




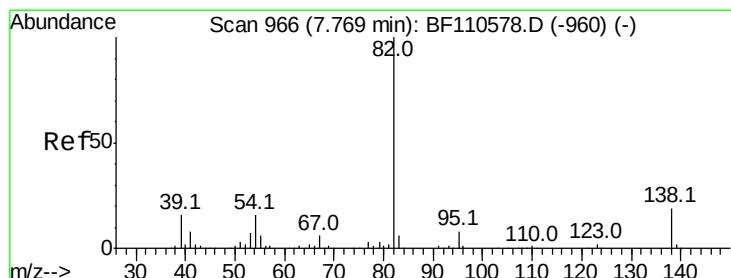
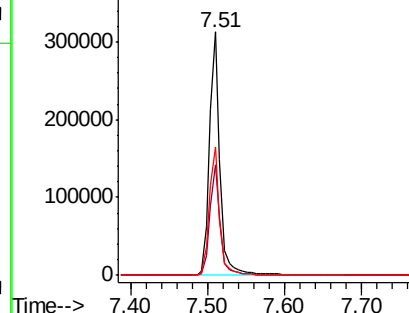
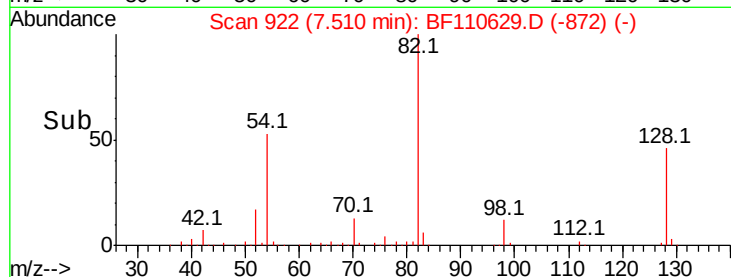
#23  
 Nitrobenzene-d5  
 Concen: 68.074 ng  
 RT: 7.51 min Scan# 922  
 Delta R.T. -0.01 min  
 Lab File: BF110629.D  
 Acq: 9 Nov 2018 15:57

Instrument :  
 BNA\_F  
 ClientSampled :

| Tot Ion   | 82    | Resp  | 296524 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 45.5  | 34.2  | 51.2   |
| 54        | 52.8  | 38.6  | 58.0   |

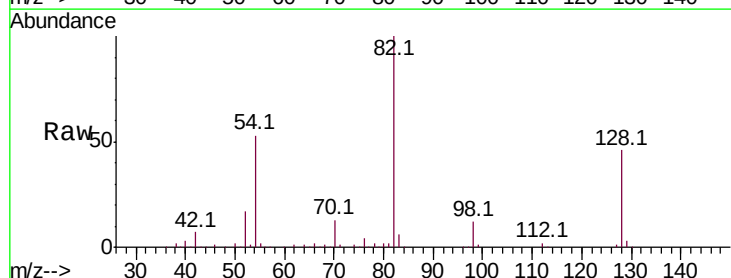


Abundance Ion 82.00 (81.70 to 82.70): BF1  
 Ion 128.00 (127.70 to 128.70): BF1  
 Ion 54.00 (53.70 to 54.70): BF1

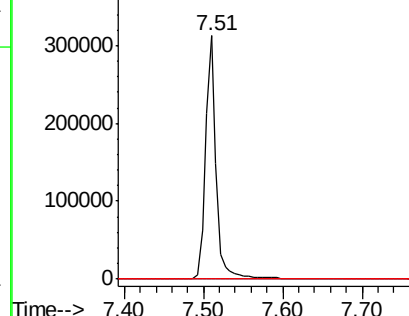
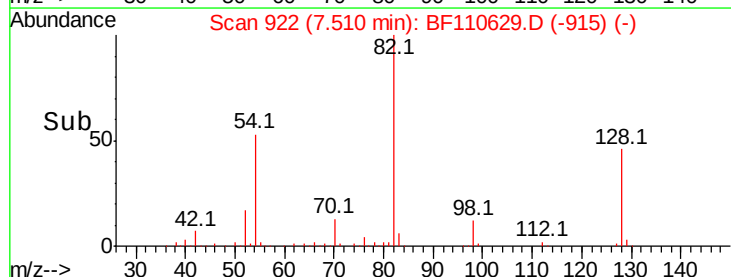


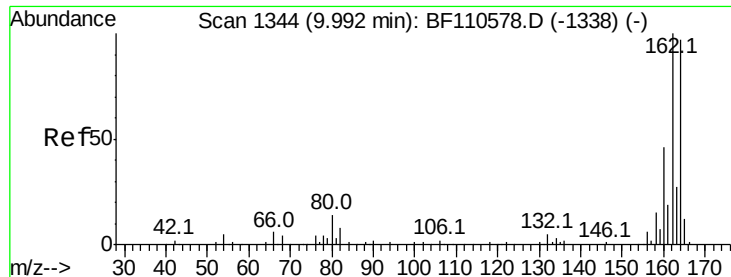
#25  
 Isophorone  
 Concen: 41.533 ng  
 RT: 7.51 min Scan# 922  
 Delta R.T. -0.26 min  
 Lab File: BF110629.D  
 Acq: 9 Nov 2018 15:57

| Tgt Ion   | 82    | Resp  | 296522 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 95        | 0.0   | 5.7   | 8.5#   |
| 138       | 0.0   | 13.2  | 19.8#  |



Abundance Ion 82.00 (81.70 to 82.70): BF1  
 Ion 95.00 (94.70 to 95.70): BF1  
 Ion 138.00 (137.70 to 138.70): BF1

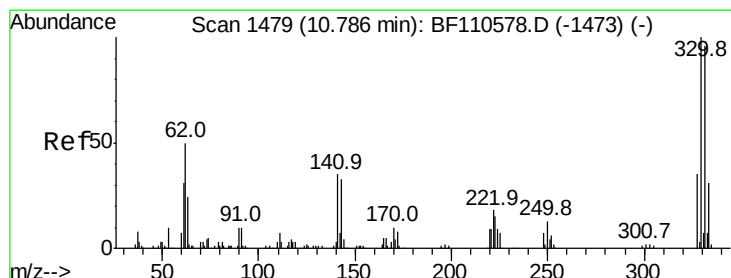
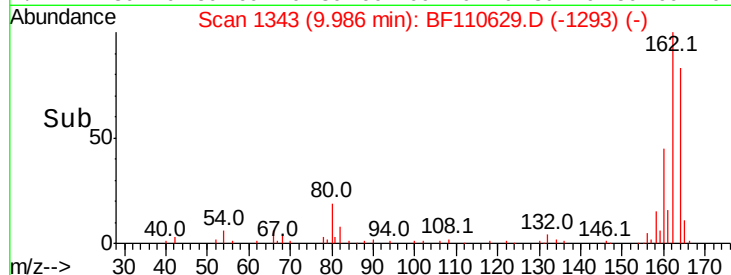
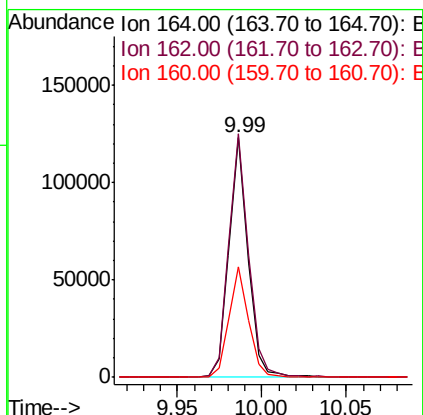
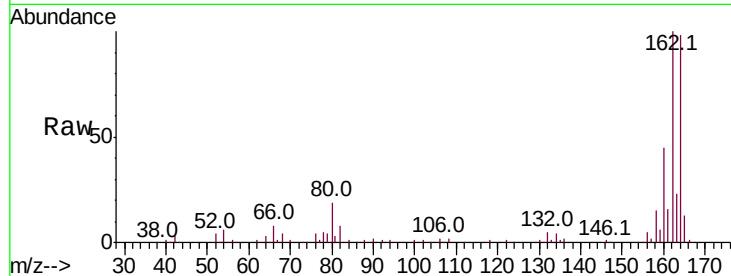




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.99 min Scan# 1343  
Delta R.T. -0.01 min  
Lab File: BF110629.D  
Acq: 9 Nov 2018 15:57

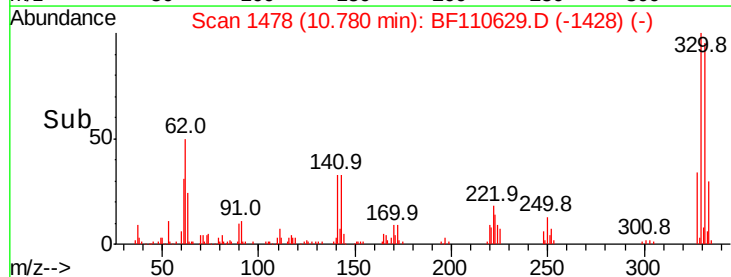
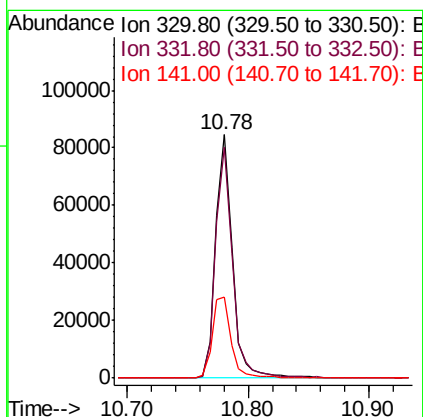
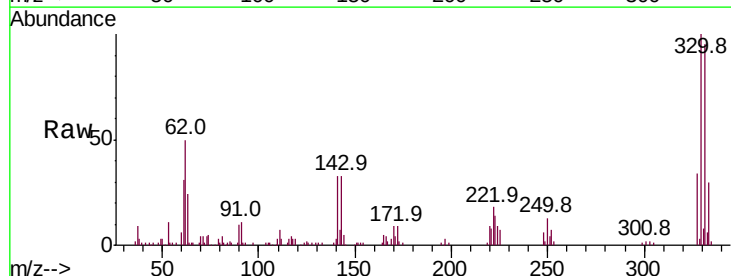
Instrument :  
BNA\_F  
ClientSampleId :

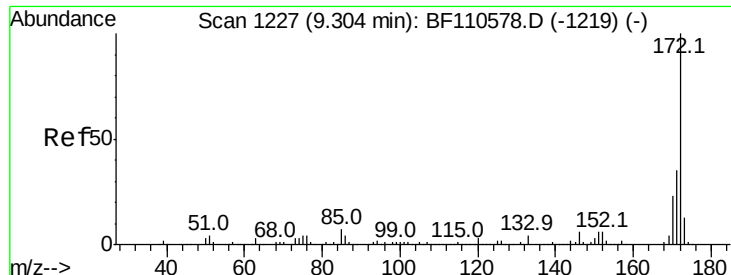
Tot Ion:164 Resp: 96505  
Ion Ratio Lower Upper  
164 100  
162 101.8 83.0 124.6  
160 46.0 37.0 55.6



#42  
2,4,6-Tribromophenol  
Concen: 82.690 ng  
RT: 10.78 min Scan# 1478  
Delta R.T. -0.01 min  
Lab File: BF110629.D  
Acq: 9 Nov 2018 15:57

Tgt Ion:330 Resp: 80408  
Ion Ratio Lower Upper  
330 100  
332 96.1 77.1 115.7  
141 37.4 27.0 40.4

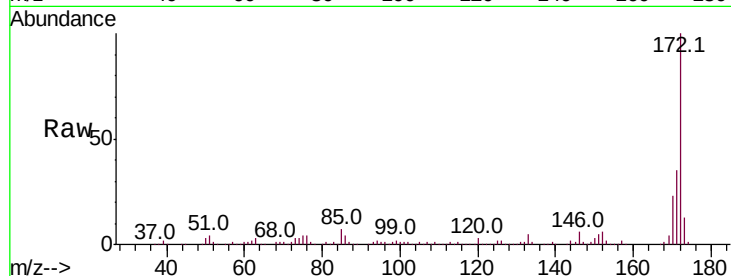




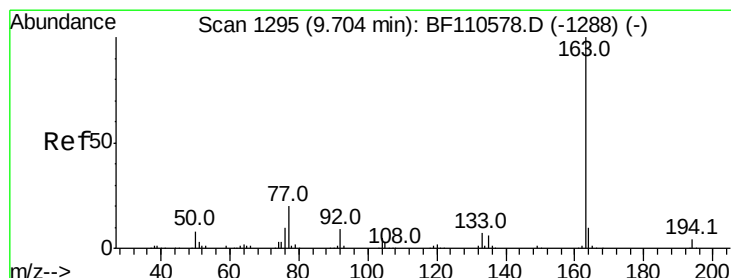
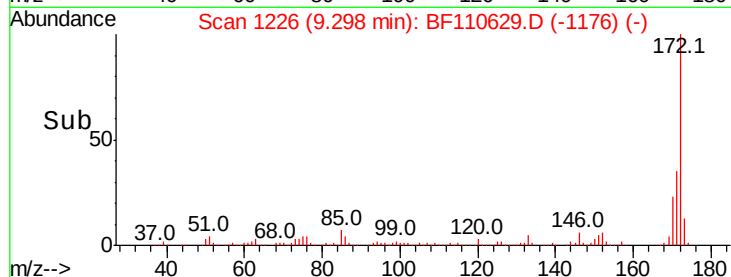
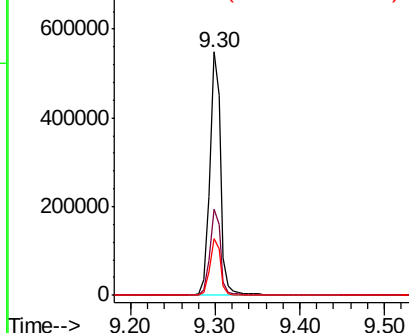
#45  
2-Fluorobiphenyl  
Concen: 73.781 ng  
RT: 9.30 min Scan# 1226  
Delta R.T. -0.01 min  
Lab File: BF110629.D  
Acq: 9 Nov 2018 15:57

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:172 Resp: 498553  
Ion Ratio Lower Upper  
172 100  
171 35.3 28.6 43.0  
170 23.4 19.7 29.5

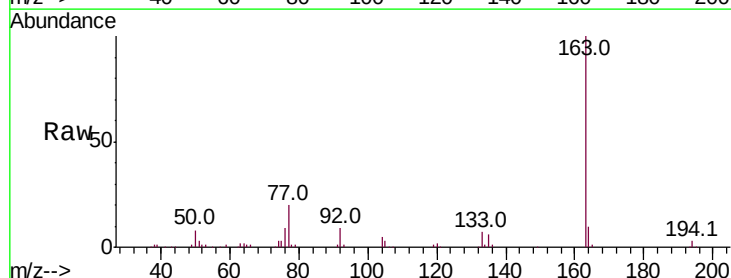


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

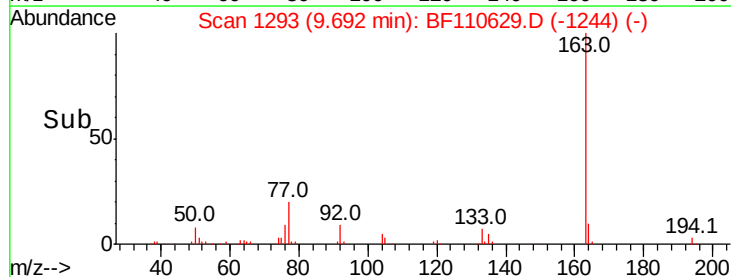
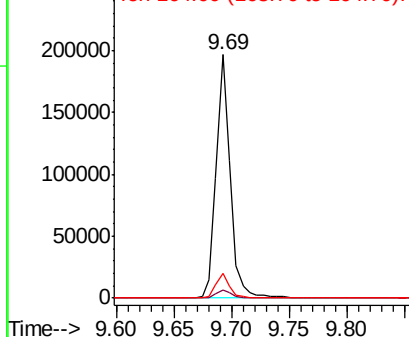


#50  
Dimethylphthalate  
Concen: 23.135 ng  
RT: 9.69 min Scan# 1293  
Delta R.T. -0.01 min  
Lab File: BF110629.D  
Acq: 9 Nov 2018 15:57

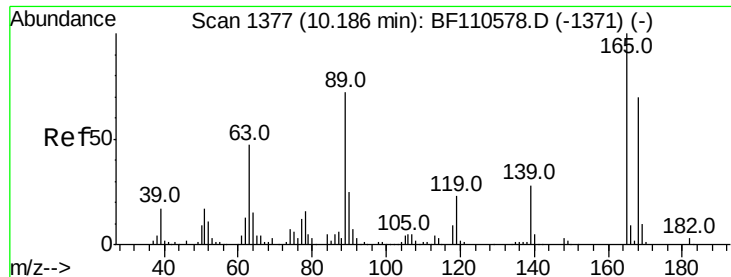
Tgt Ion:163 Resp: 166595  
Ion Ratio Lower Upper  
163 100  
194 3.5 3.2 4.8  
164 9.9 8.1 12.1



Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E



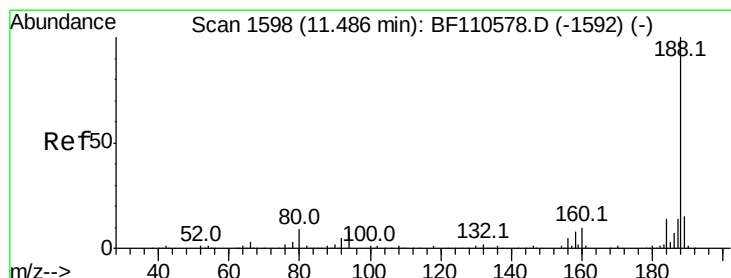
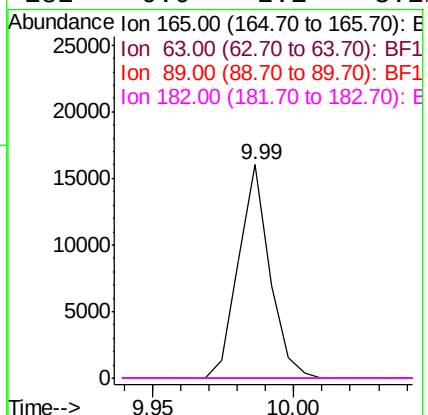
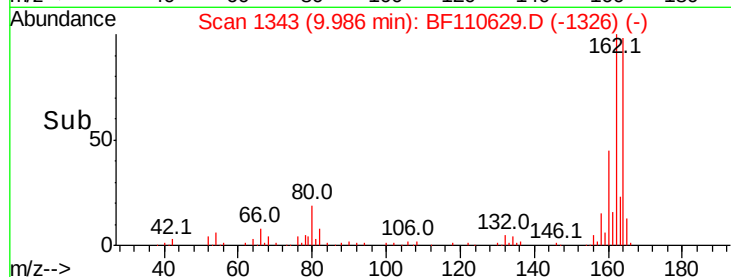
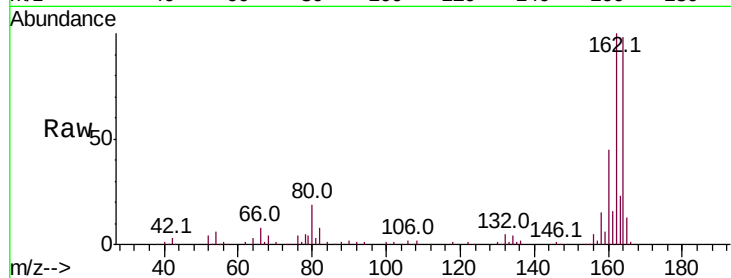




#57  
 2,4-Dinitrotoluene  
 Concen: 5.992 ng  
 RT: 9.99 min Scan# 1343  
 Delta R.T. -0.20 min  
 Lab File: BF110629.D  
 Acq: 9 Nov 2018 15:57

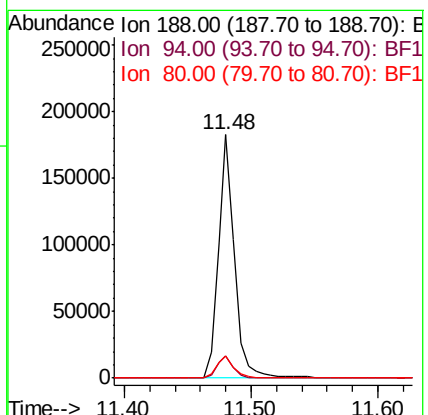
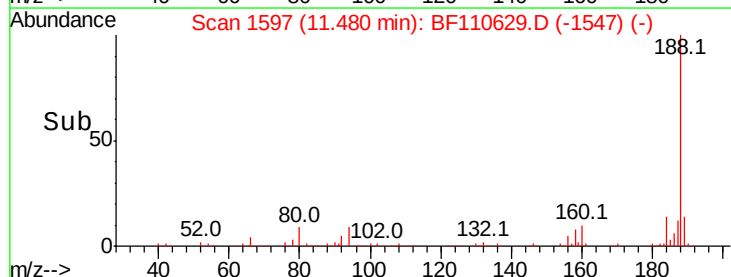
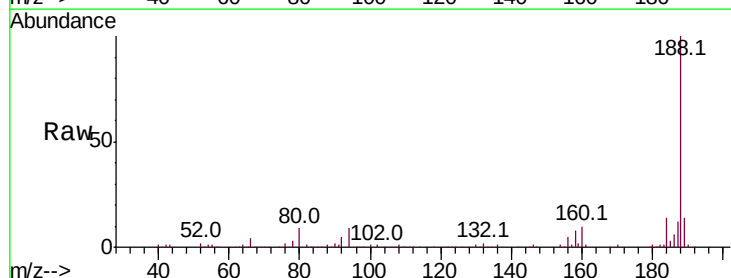
Instrument :  
 BNA\_F  
 ClientSampleId :

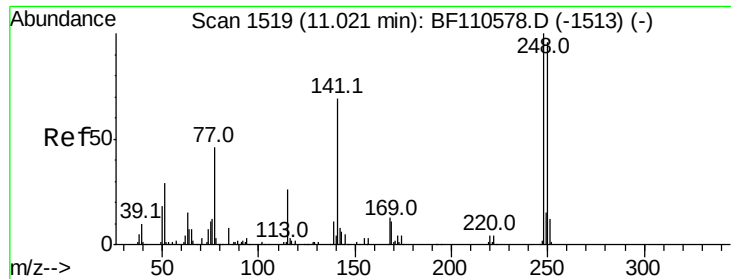
|             |       |            |
|-------------|-------|------------|
| Tot Ion:165 | Resp: | 12342      |
| Ion Ratio   | Lower | Upper      |
| 165         | 100   |            |
| 63          | 0.0   | 44.8 67.2# |
| 89          | 0.0   | 62.2 93.4# |
| 182         | 0.0   | 2.1 3.1#   |



#64  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.48 min Scan# 1597  
 Delta R.T. -0.01 min  
 Lab File: BF110629.D  
 Acq: 9 Nov 2018 15:57

|             |       |          |
|-------------|-------|----------|
| Tgt Ion:188 | Resp: | 162702   |
| Ion Ratio   | Lower | Upper    |
| 188         | 100   |          |
| 94          | 9.0   | 7.2 10.8 |
| 80          | 9.2   | 7.9 11.9 |

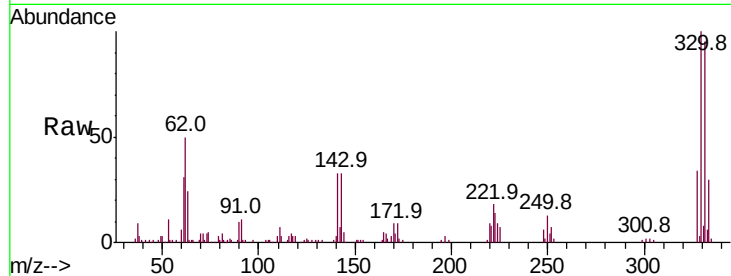




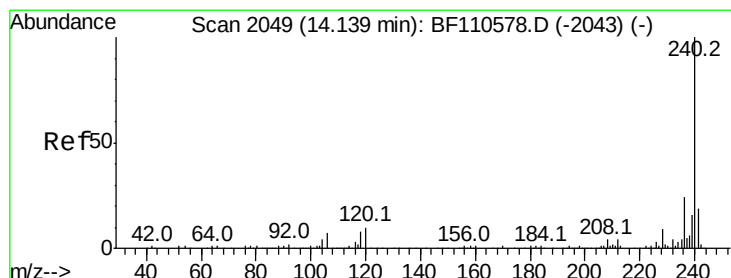
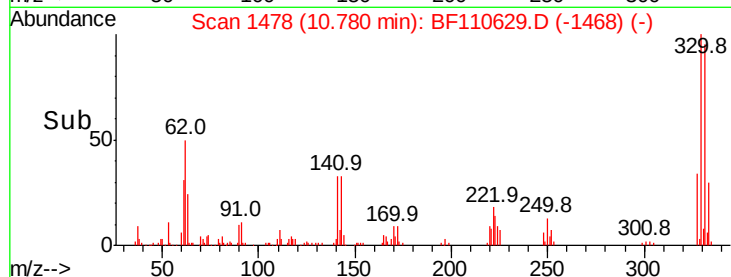
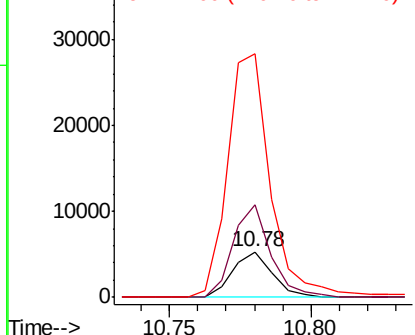
#67  
4-Bromophenyl-phenylether  
Concen: 2.873 ng  
RT: 10.78 min Scan# 1478  
Delta R.T. -0.24 min  
Lab File: BF110629.D  
Acq: 9 Nov 2018 15:57

Instrument :  
BNA\_F  
ClientSampled :

Tot Ion:248 Resp: 5167  
Ion Ratio Lower Upper  
248 100  
250 204.5 79.4 119.2#  
141 535.3 55.9 83.9#

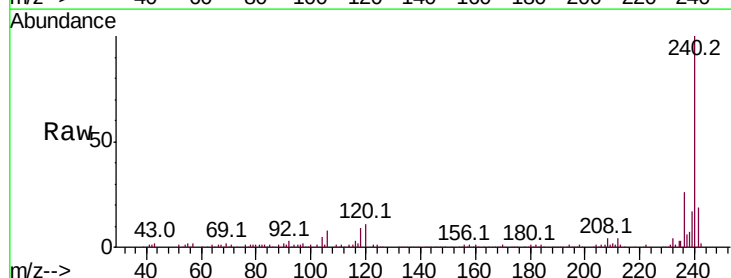


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

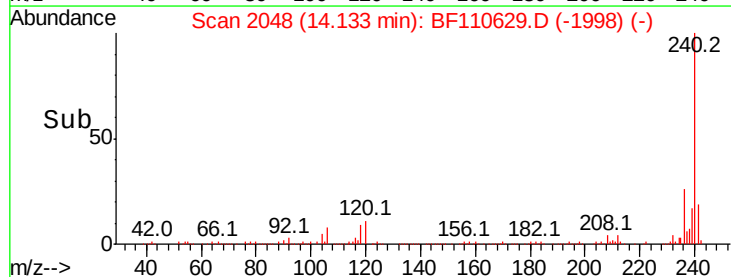
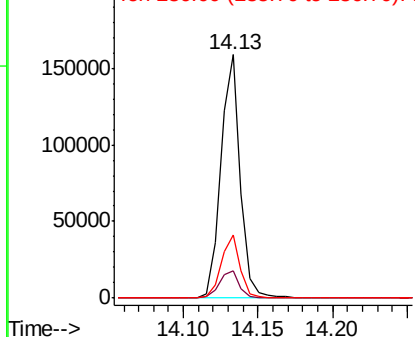


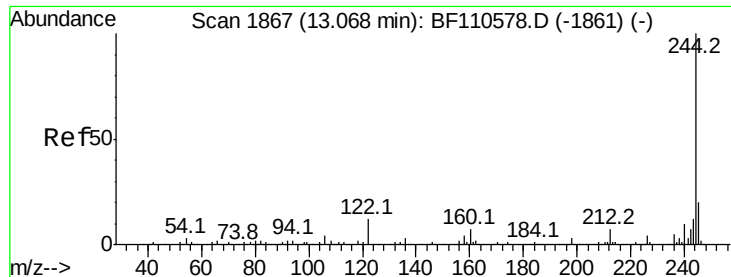
#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.13 min Scan# 2048  
Delta R.T. -0.01 min  
Lab File: BF110629.D  
Acq: 9 Nov 2018 15:57

Tgt Ion:240 Resp: 144288  
Ion Ratio Lower Upper  
240 100  
120 11.0 8.3 12.5  
236 25.8 21.2 31.8



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





#79

Terphenyl-d14

Concen: 59.454 ng

RT: 13.06 min Scan# 1866

Delta R.T. -0.01 min

Lab File: BF110629.D

Acq: 9 Nov 2018 15:57

Instrument :

BNA\_F

ClientSampleId :

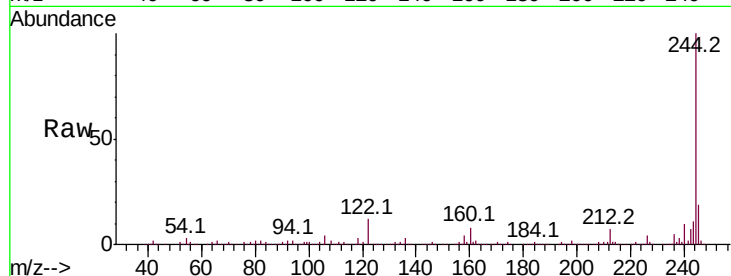
Tot Ion:244 Resp: 458068

Ion Ratio Lower Upper

244 100

212 6.8 5.8 8.8

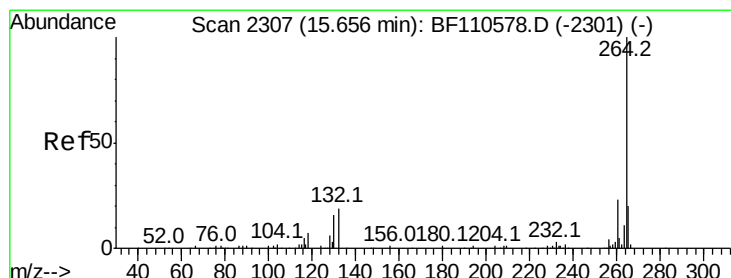
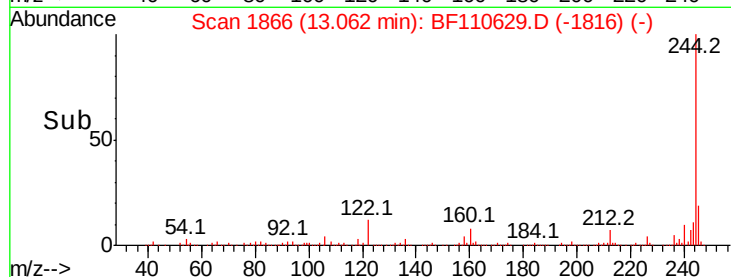
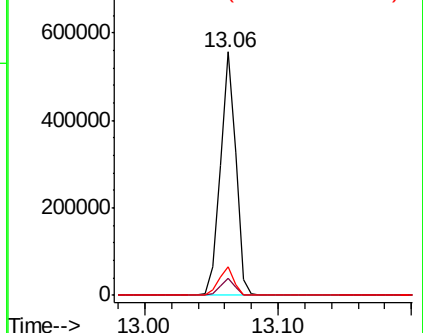
122 12.0 8.7 13.1



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.66 min Scan# 2307

Delta R.T. -0.00 min

Lab File: BF110629.D

Acq: 9 Nov 2018 15:57

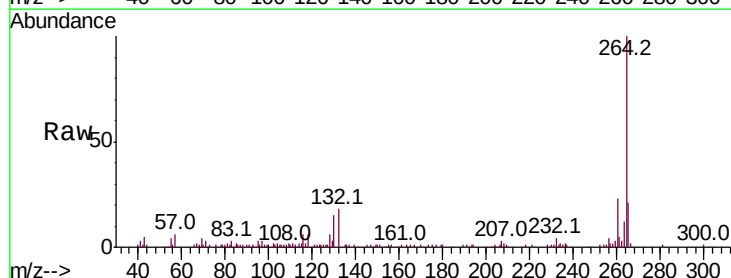
Tgt Ion:264 Resp: 100902

Ion Ratio Lower Upper

264 100

260 22.5 18.7 28.1

265 21.1 16.7 25.1



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

