

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF030519\  
 Data File : BF112869.D  
 Acq On : 5 Mar 2019 23:10  
 Operator : JU/SJ  
 Sample : K1714-03  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-A-5-8

Quant Time: Mar 06 01:46:48 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF022719.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Mar 01 15:40:43 2019  
 Response via : Initial Calibration

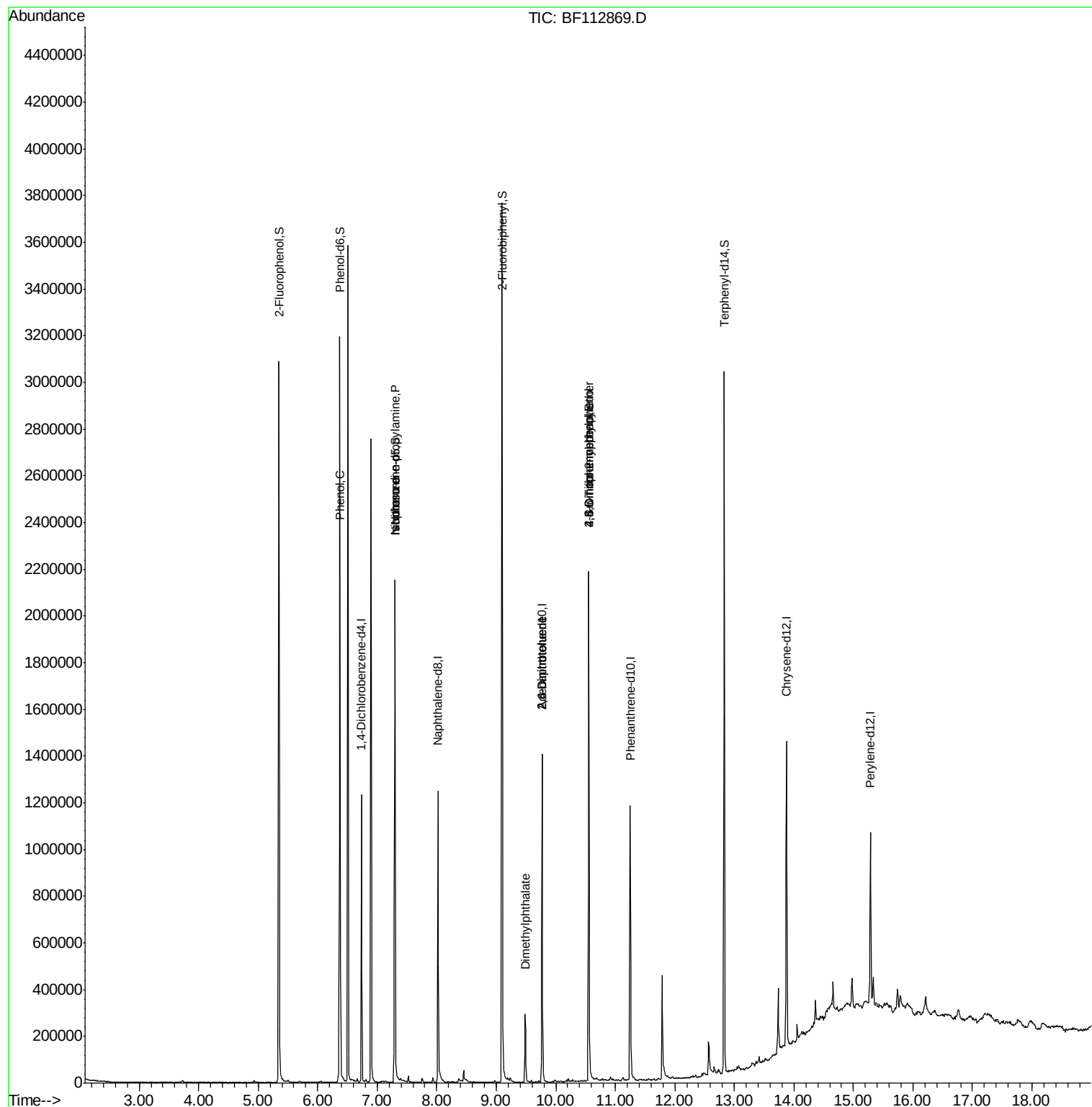
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.74  | 152  | 164694   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.02  | 136  | 622643   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10           | 9.77  | 164  | 286213   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10           | 11.25 | 188  | 524279   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12               | 13.87 | 240  | 455912   | 20.00  | ng    | 0.00     |
| 87) Perylene-d12               | 15.29 | 264  | 348786   | 20.00  | ng    | 0.01     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.35  | 112  | 875320   | 82.67  | ng    | 0.00     |
| 7) Phenol-d6                   | 6.37  | 99   | 1155929  | 86.91  | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.30  | 82   | 697776   | 67.06  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol       | 10.56 | 330  | 324708   | 106.86 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl           | 9.10  | 172  | 1239393  | 68.08  | ng    | 0.00     |
| 79) Terphenyl-d14              | 12.83 | 244  | 1132589  | 48.16  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 10) Phenol                     | 6.39  | 94   | 70469    | 4.541  | ng    | 90       |
| 19) n-Nitroso-di-n-propylamine | 7.30  | 70   | 91772    | 10.895 | ng    | # 78     |
| 25) Isophorone                 | 7.30  | 82   | 677435   | 30.220 | ng    | # 66     |
| 50) Dimethylphthalate          | 9.49  | 163  | 126398   | 5.989  | ng    | 100      |
| 51) 2,6-Dinitrotoluene         | 9.77  | 165  | 36376    | 8.277  | ng    | # 18     |
| 57) 2,4-Dinitrotoluene         | 9.77  | 165  | 36376    | 6.659  | ng    | # 18     |
| 65) 4,6-Dinitro-2-methylphenol | 10.55 | 198  | 502      | 4.823  | ng    | # 1      |
| 67) 4-Bromophenyl-phenylether  | 10.56 | 248  | 18147    | 3.286  | ng    | # 1      |

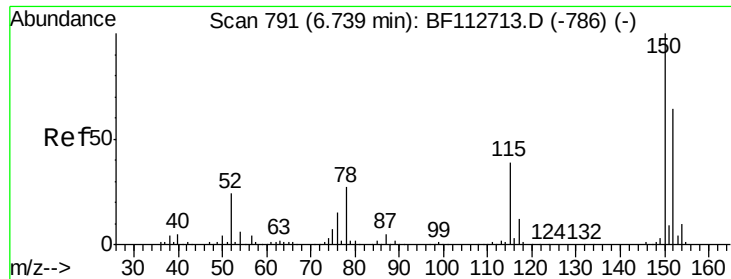
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF030519\  
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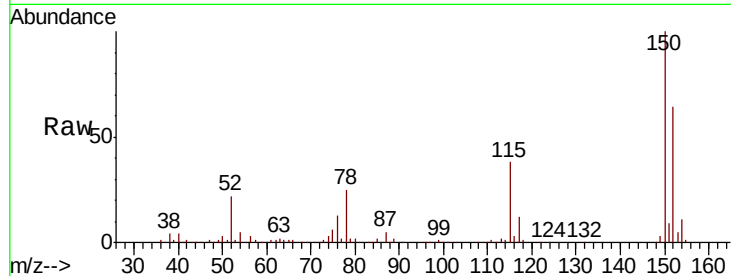


#1

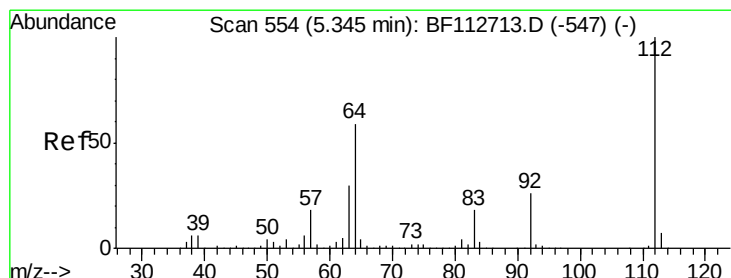
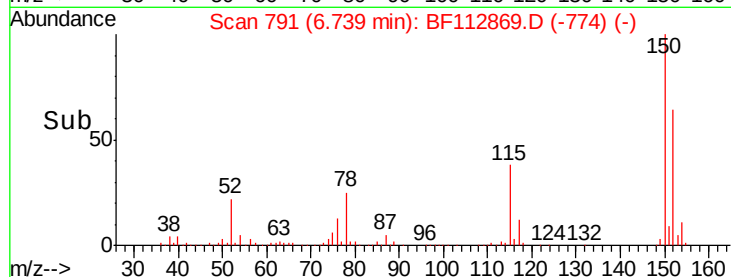
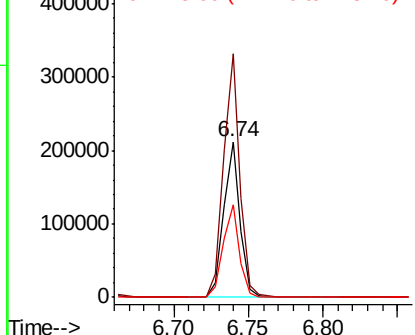
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.74 min Scan# 791  
Delta R.T. -0.00 min  
Lab File: BF112869.D  
Acq: 5 Mar 2019 23:10

Instrument :  
BNA\_F  
ClientSampleId :  
SB-A-5-8

Tgt Ion:152 Resp: 164694  
Ion Ratio Lower Upper  
152 100  
150 156.1 124.2 186.2  
115 59.0 48.2 72.4



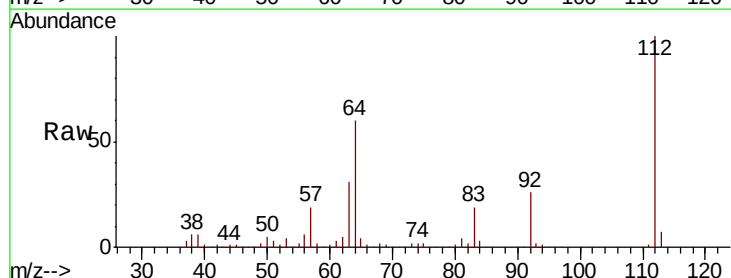
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



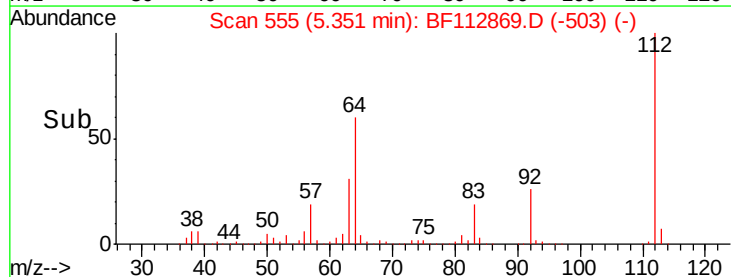
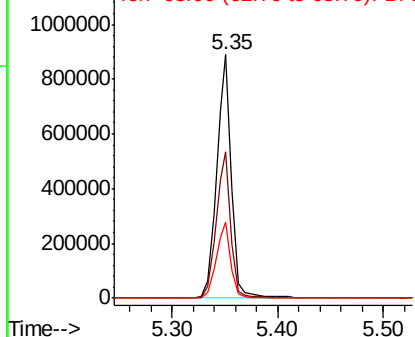
#5

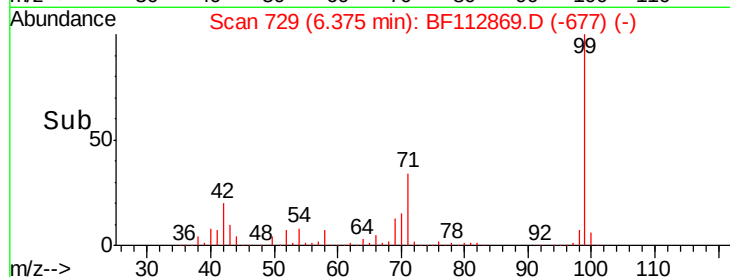
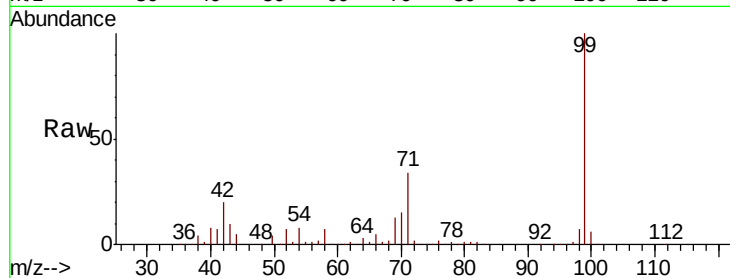
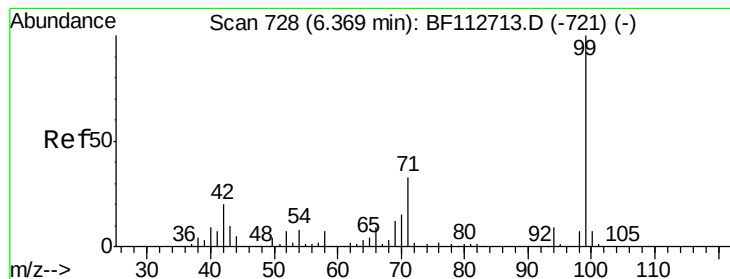
2-Fluorophenol  
Concen: 82.674 ng  
RT: 5.35 min Scan# 555  
Delta R.T. 0.01 min  
Lab File: BF112869.D  
Acq: 5 Mar 2019 23:10

Tgt Ion:112 Resp: 875320  
Ion Ratio Lower Upper  
112 100  
64 60.2 47.6 71.4  
63 31.1 24.4 36.6



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: 86.914 ng

RT: 6.37 min Scan# 729

Delta R.T. 0.01 min

Lab File: BF112869.D

Acq: 5 Mar 2019 23:10

Instrument :

BNA\_F

ClientSampled :

SB-A-5-8

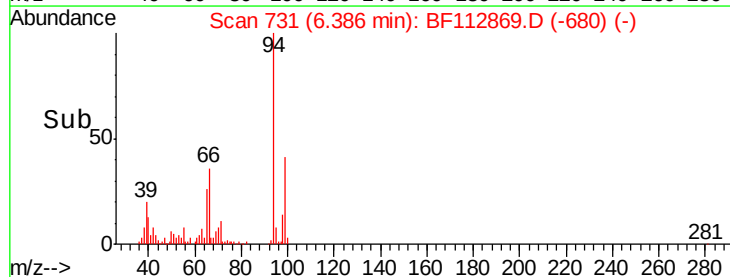
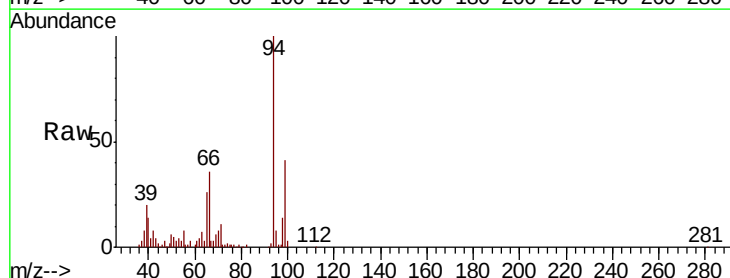
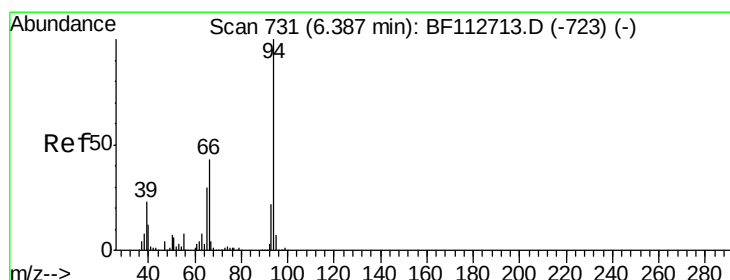
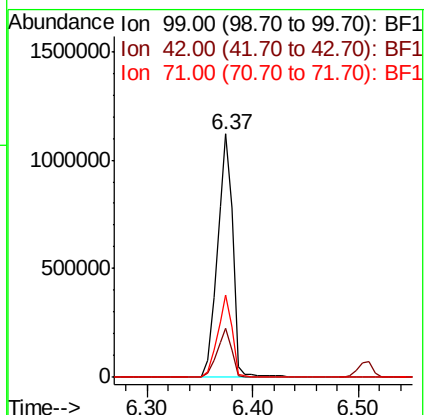
Tgt Ion: 99 Resp: 1155929

Ion Ratio Lower Upper

99 100

42 19.9 16.3 24.5

71 33.6 26.2 39.4



#10

Phenol

Concen: 4.541 ng

RT: 6.39 min Scan# 731

Delta R.T. -0.00 min

Lab File: BF112869.D

Acq: 5 Mar 2019 23:10

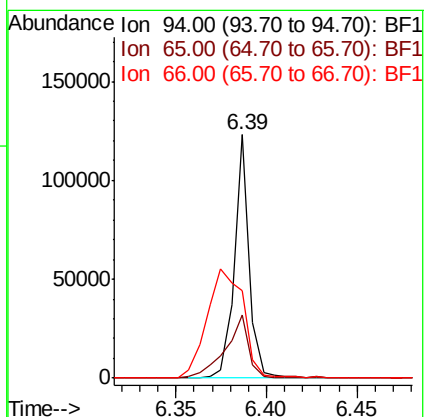
Tgt Ion: 94 Resp: 70469

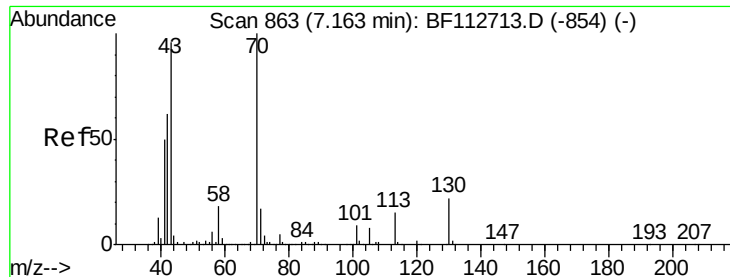
Ion Ratio Lower Upper

94 100

65 26.0 10.5 50.5

66 35.9 22.6 62.6

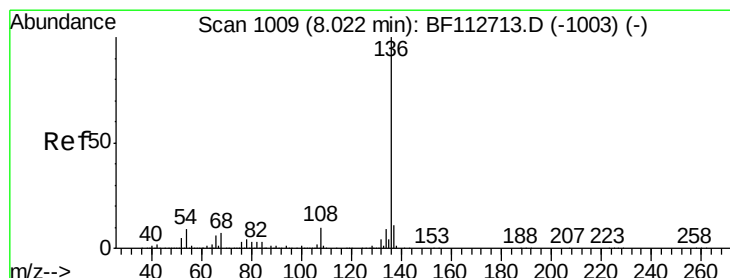
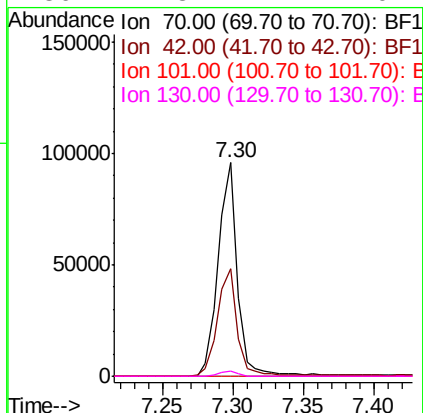
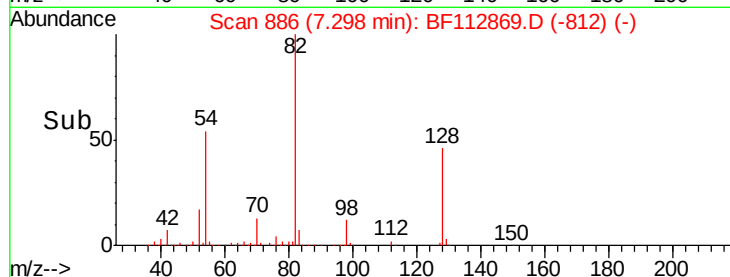
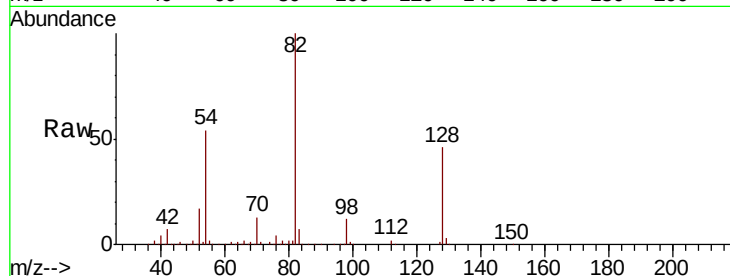




#19  
n-Nitroso-di-n-propylamine  
Concen: 10.895 ng  
RT: 7.30 min Scan# 886  
Delta R.T. 0.14 min  
Lab File: BF112869.D  
Acq: 5 Mar 2019 23:10

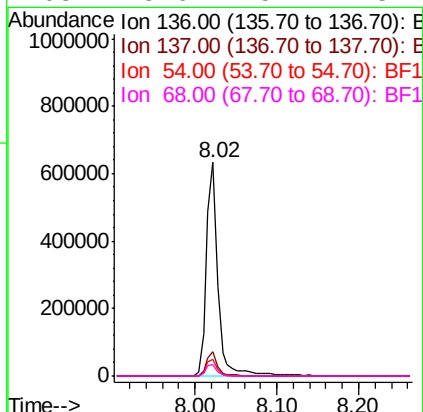
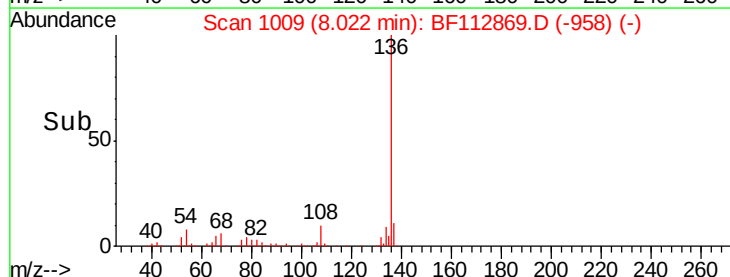
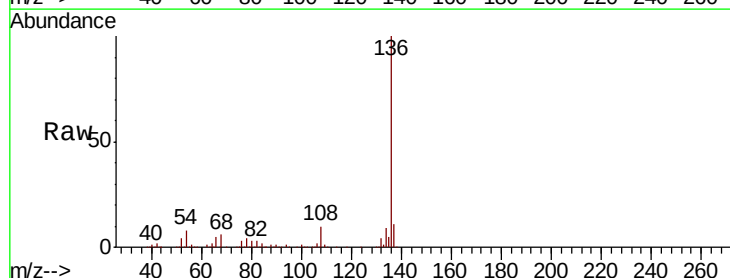
Instrument :  
BNA\_F  
ClientSampleId :  
SB-A-5-8

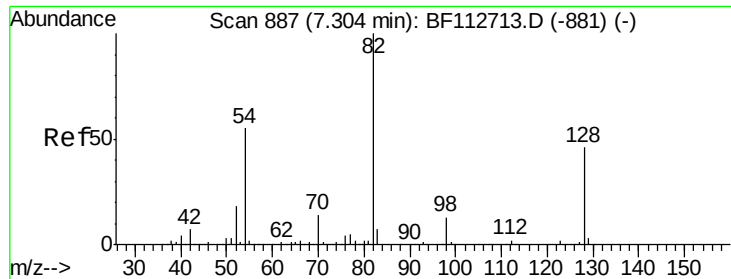
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 70    | Resp: | 91772 |
| Ion      | Ratio | Lower | Upper |
| 70       | 100   |       |       |
| 42       | 50.5  | 49.9  | 74.9  |
| 101      | 0.0   | 7.4   | 11.2# |
| 130      | 2.3   | 17.4  | 26.2# |



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.02 min Scan# 1009  
Delta R.T. -0.00 min  
Lab File: BF112869.D  
Acq: 5 Mar 2019 23:10

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 622643 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.1  | 8.9   | 13.3   |
| 54       | 7.9   | 7.3   | 10.9   |
| 68       | 5.6   | 5.4   | 8.2    |

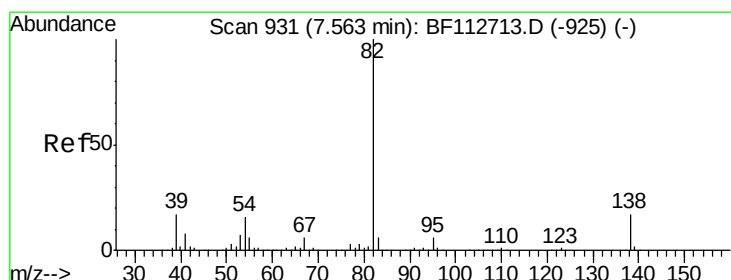
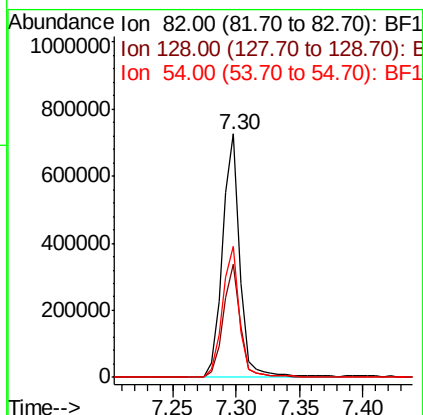
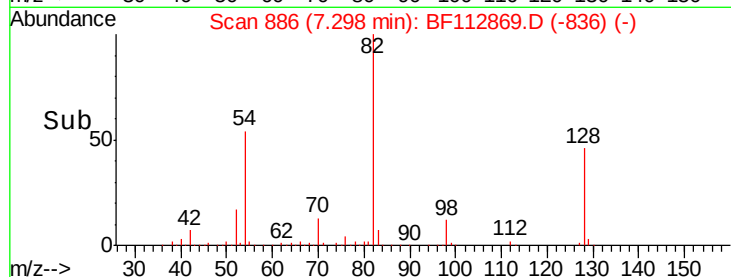
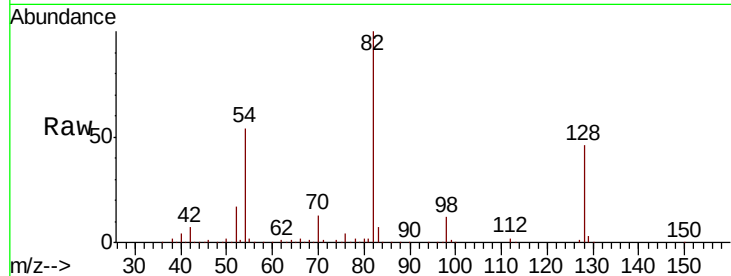




#23  
Nitrobenzene-d5  
Concen: 67.058 ng  
RT: 7.30 min Scan# 886  
Delta R.T. -0.01 min  
Lab File: BF112869.D  
Acq: 5 Mar 2019 23:10

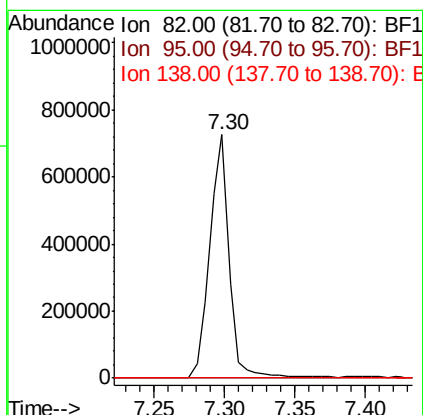
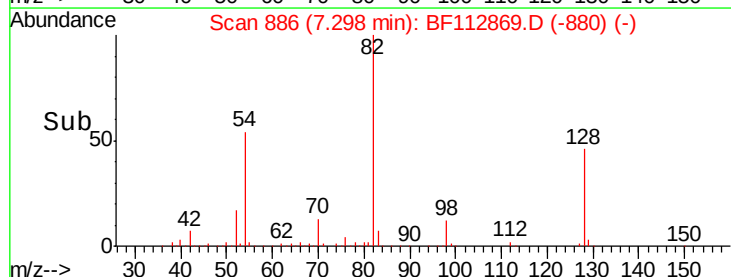
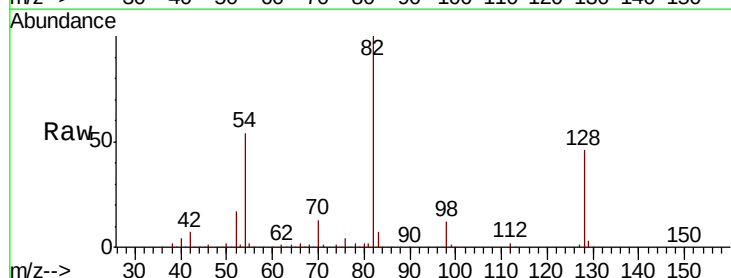
Instrument :  
BNA\_F  
ClientSampled :  
SB-A-5-8

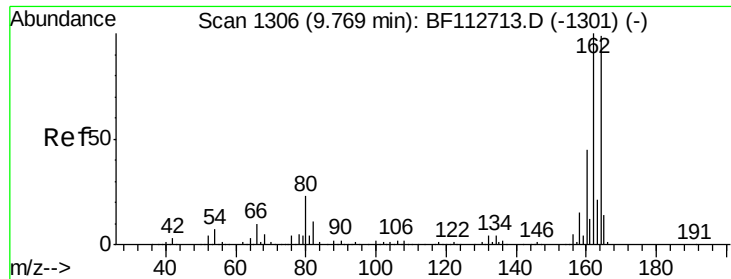
Tgt Ion: 82 Resp: 697776  
Ion Ratio Lower Upper  
82 100  
128 46.4 36.3 54.5  
54 53.8 43.7 65.5



#25  
Isophorone  
Concen: 30.220 ng  
RT: 7.30 min Scan# 886  
Delta R.T. -0.26 min  
Lab File: BF112869.D  
Acq: 5 Mar 2019 23:10

Tgt Ion: 82 Resp: 677435  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.2 7.8#  
138 0.0 13.8 20.8#

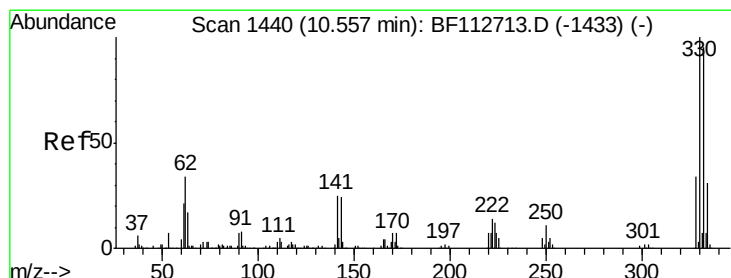
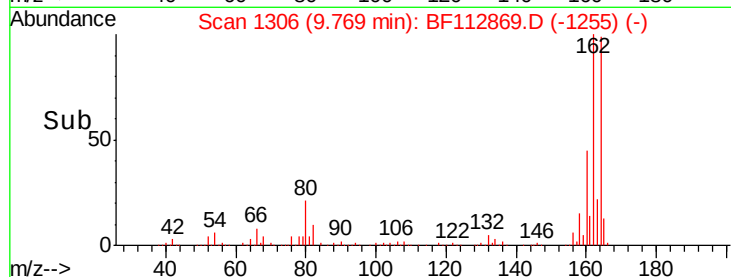
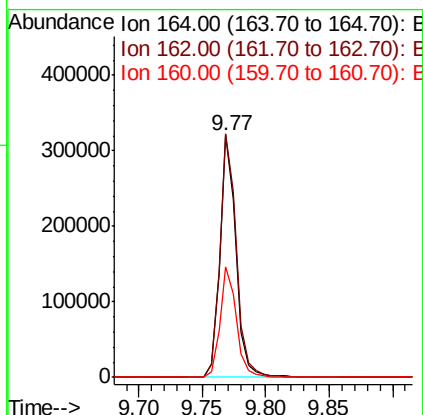
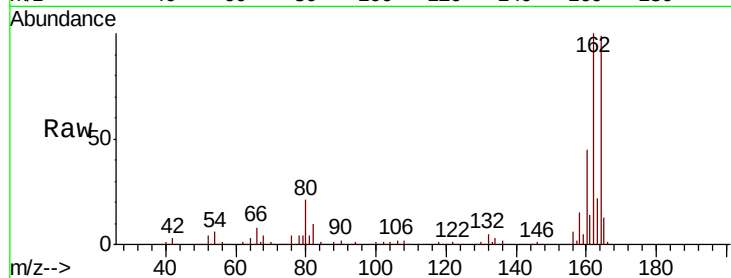




#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.77 min Scan# 1306  
 Delta R.T. -0.00 min  
 Lab File: BF112869.D  
 Acq: 5 Mar 2019 23:10

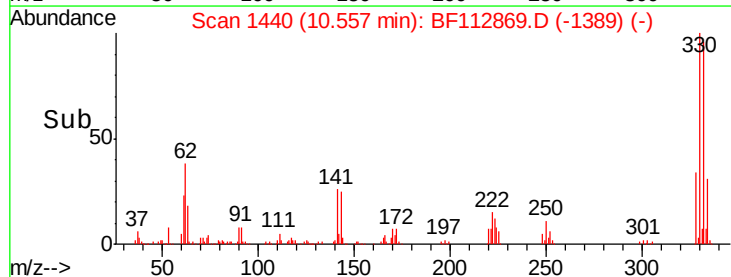
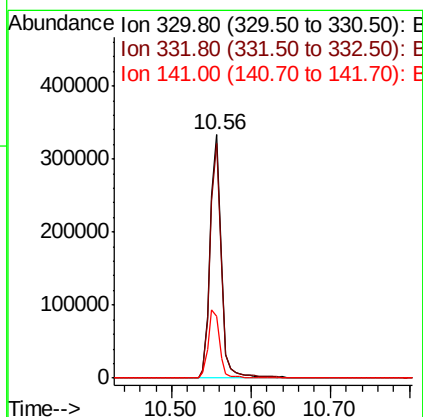
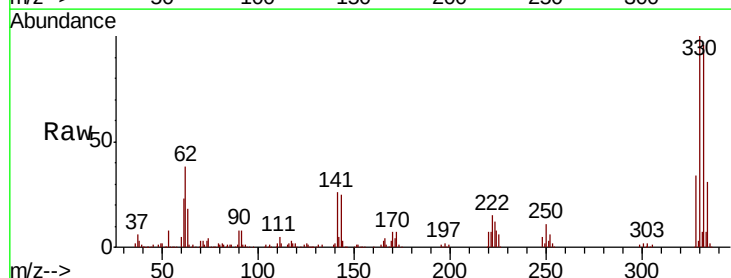
Instrument :  
 BNA\_F  
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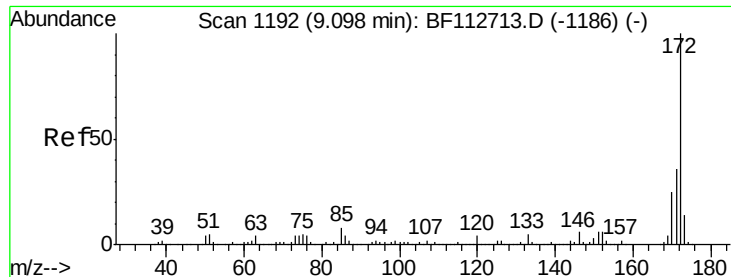
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 100.6 | 80.6  | 120.8 |
| 160     | 45.7  | 36.0  | 54.0  |



#42  
 2,4,6-Tribromophenol  
 Concen: 106.864 ng  
 RT: 10.56 min Scan# 1440  
 Delta R.T. -0.00 min  
 Lab File: BF112869.D  
 Acq: 5 Mar 2019 23:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.8  | 76.2  | 114.4 |
| 141     | 29.7  | 27.0  | 40.6  |

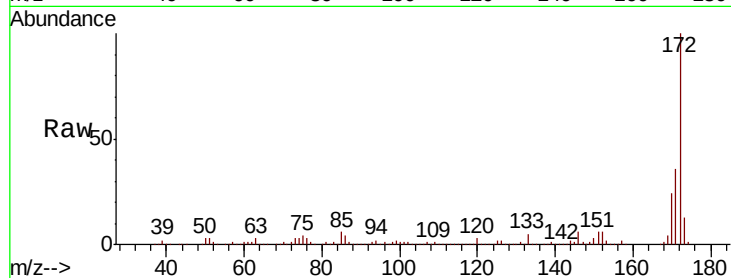




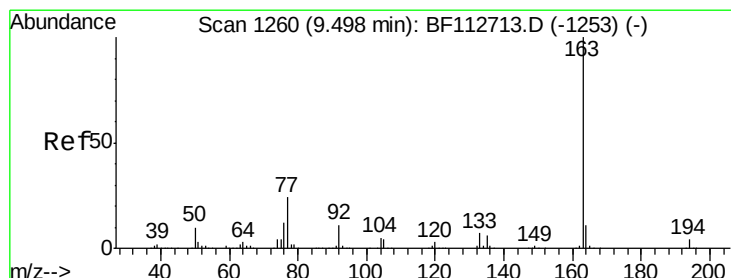
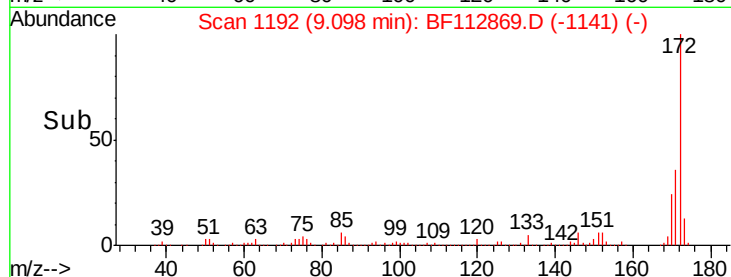
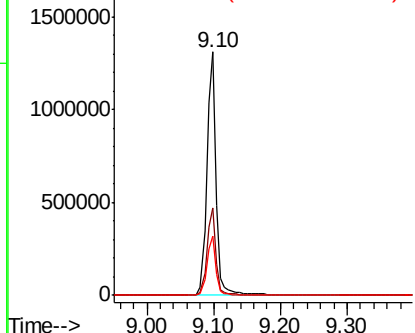
#45  
 2-Fluorobiphenyl  
 Concen: 68.078 ng  
 RT: 9.10 min Scan# 1192  
 Delta R.T. 0.00 min  
 Lab File: BF112869.D  
 Acq: 5 Mar 2019 23:10

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-A-5-8

Tgt Ion:172 Resp: 1239393  
 Ion Ratio Lower Upper  
 172 100  
 171 36.1 29.0 43.4  
 170 24.2 20.0 30.0

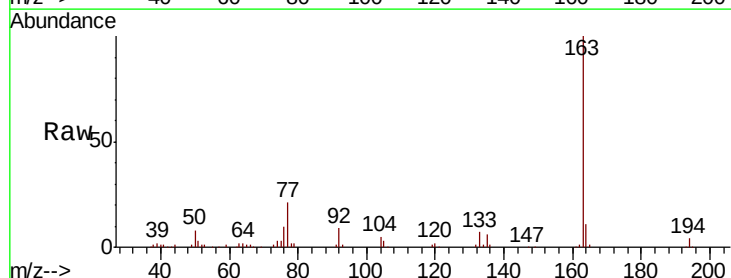


Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E

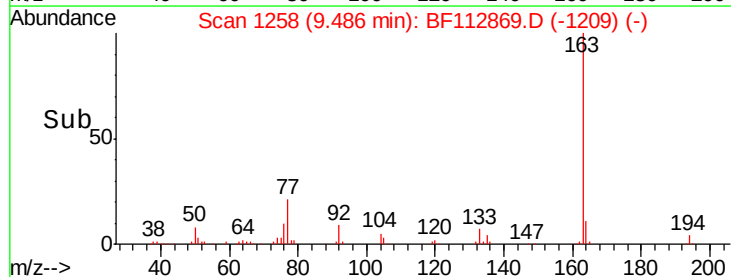
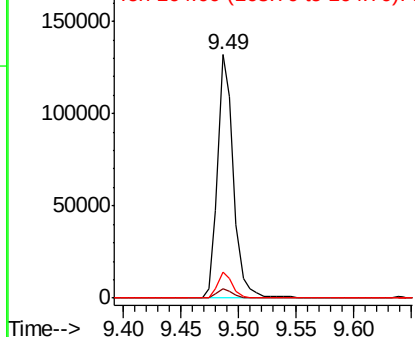


#50  
 Dimethylphthalate  
 Concen: 5.989 ng  
 RT: 9.49 min Scan# 1258  
 Delta R.T. -0.01 min  
 Lab File: BF112869.D  
 Acq: 5 Mar 2019 23:10

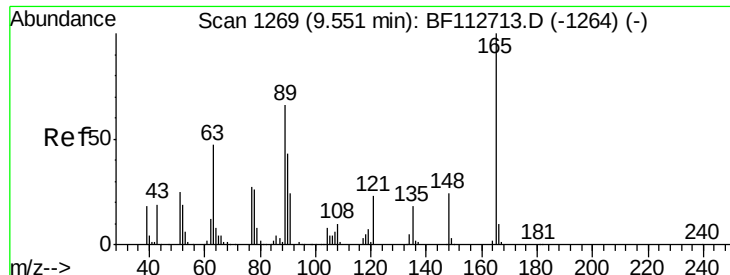
Tgt Ion:163 Resp: 126398  
 Ion Ratio Lower Upper  
 163 100  
 194 3.6 3.0 4.4  
 164 10.5 8.4 12.6



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



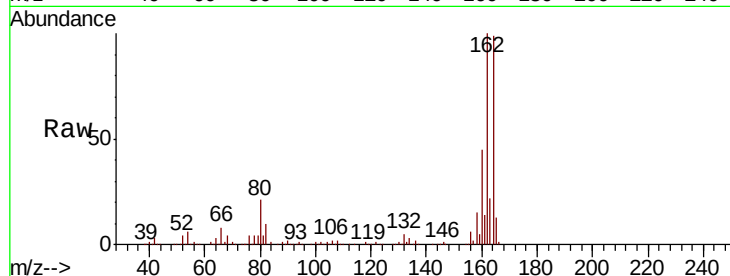




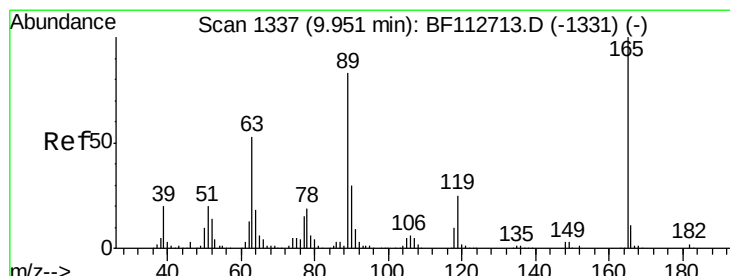
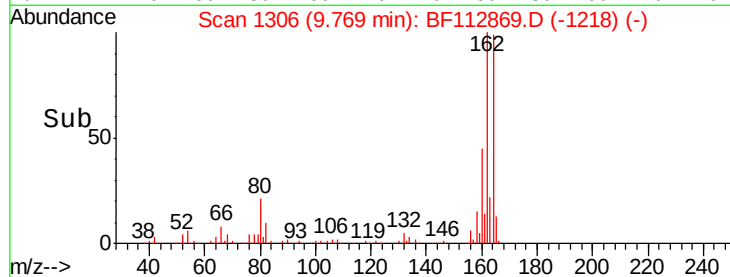
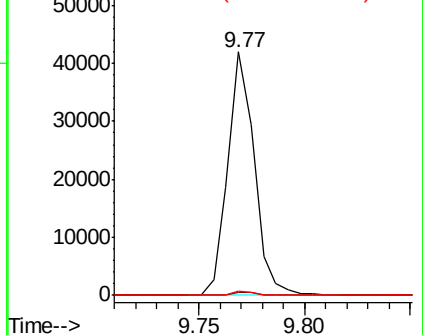
#51  
 2,6-Dinitrotoluene  
 Concen: 8.277 ng  
 RT: 9.77 min Scan# 1306  
 Delta R.T. 0.22 min  
 Lab File: BF112869.D  
 Acq: 5 Mar 2019 23:10

Instrument :  
 BNA\_F  
 ClientSampled :  
 SB-A-5-8

Tgt Ion:165 Resp: 36376  
 Ion Ratio Lower Upper  
 165 100  
 63 1.0 54.1 81.1#  
 89 1.8 52.8 79.2#

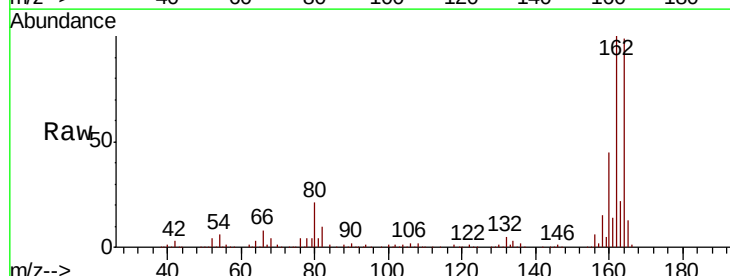


Abundance Ion 165.00 (164.70 to 165.70): E  
 Ion 63.00 (62.70 to 63.70): BF1  
 Ion 89.00 (88.70 to 89.70): BF1

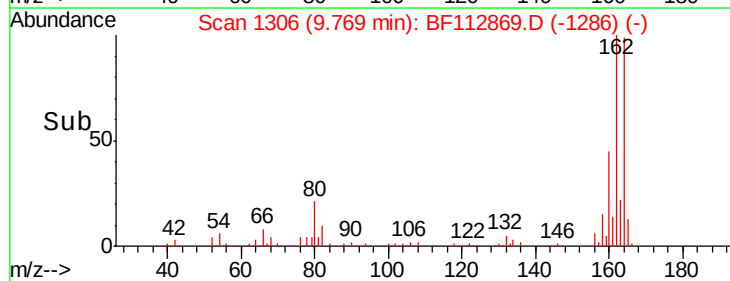
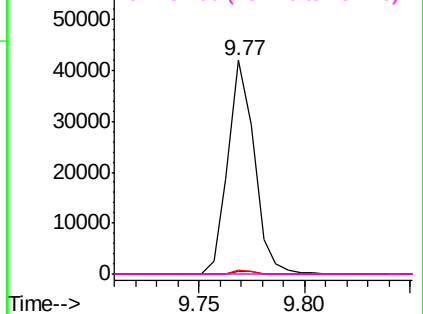


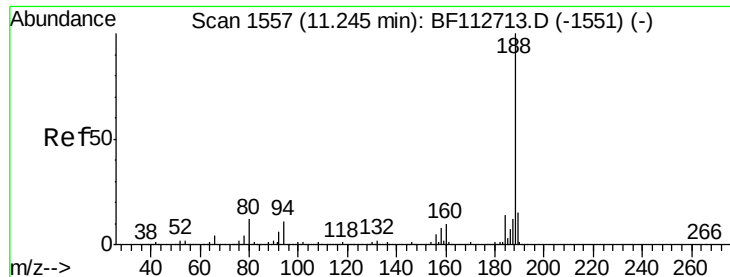
#57  
 2,4-Dinitrotoluene  
 Concen: 6.659 ng  
 RT: 9.77 min Scan# 1306  
 Delta R.T. -0.18 min  
 Lab File: BF112869.D  
 Acq: 5 Mar 2019 23:10

Tgt Ion:165 Resp: 36376  
 Ion Ratio Lower Upper  
 165 100  
 63 1.0 42.2 63.2#  
 89 1.8 66.2 99.4#  
 182 0.0 1.8 2.6#



Abundance Ion 165.00 (164.70 to 165.70): E  
 Ion 63.00 (62.70 to 63.70): BF1  
 Ion 89.00 (88.70 to 89.70): BF1  
 Ion 182.00 (181.70 to 182.70): E

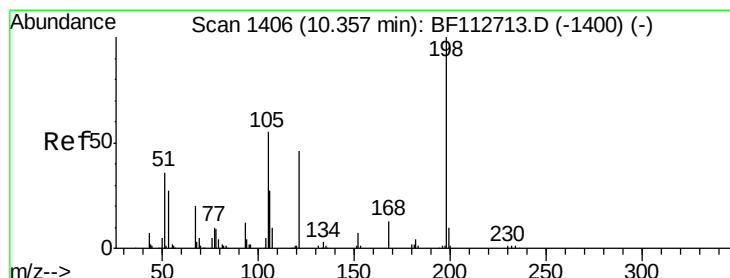
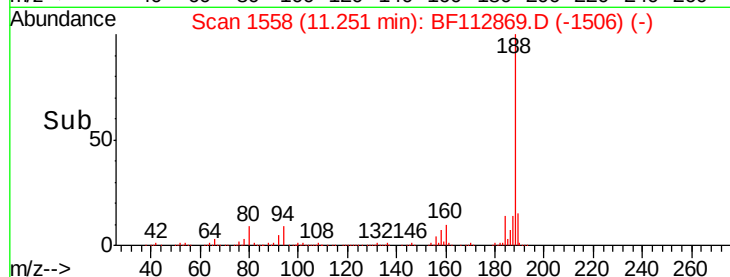
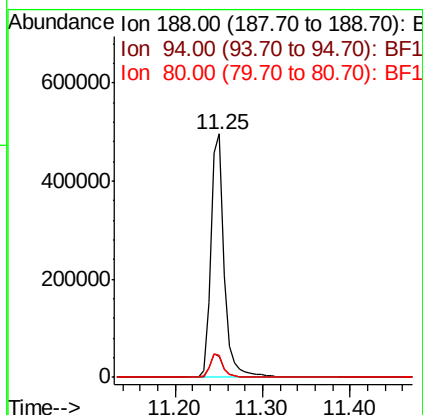
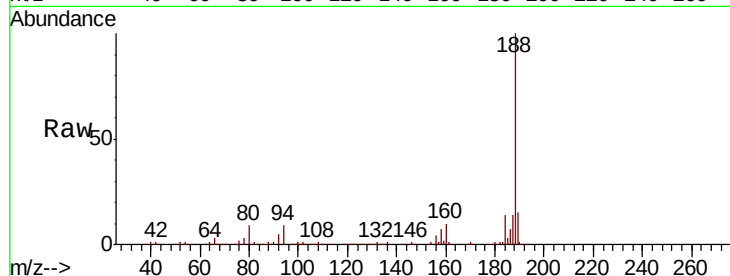




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.25 min Scan# 1558  
Delta R.T. 0.01 min  
Lab File: BF112869.D  
Acq: 5 Mar 2019 23:10

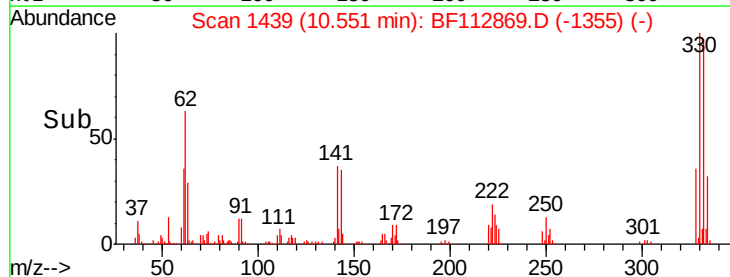
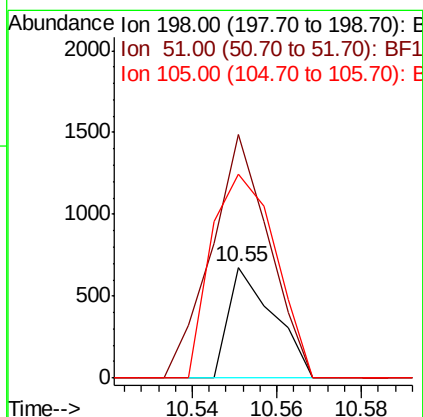
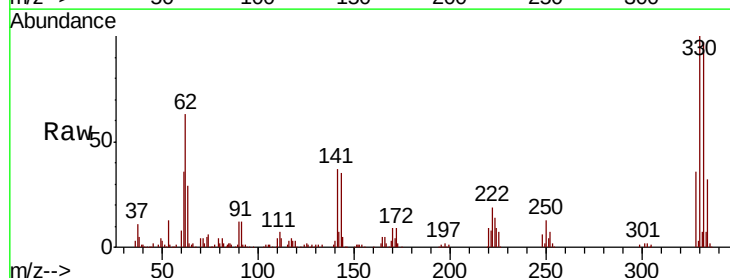
Instrument :  
BNA\_F  
ClientSampleId :  
SB-A-5-8

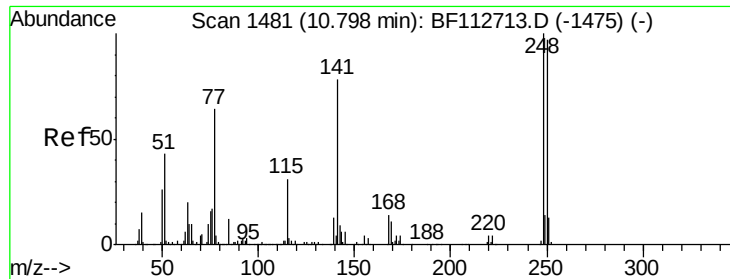
Tgt Ion:188 Resp: 524279  
Ion Ratio Lower Upper  
188 100  
94 8.8 9.0 13.4#  
80 9.0 9.2 13.8#



#65  
4,6-Dinitro-2-methylphenol  
Concen: 4.823 ng  
RT: 10.55 min Scan# 1439  
Delta R.T. 0.19 min  
Lab File: BF112869.D  
Acq: 5 Mar 2019 23:10

Tgt Ion:198 Resp: 502  
Ion Ratio Lower Upper  
198 100  
51 219.6 43.8 83.8#  
105 184.5 36.5 76.5#

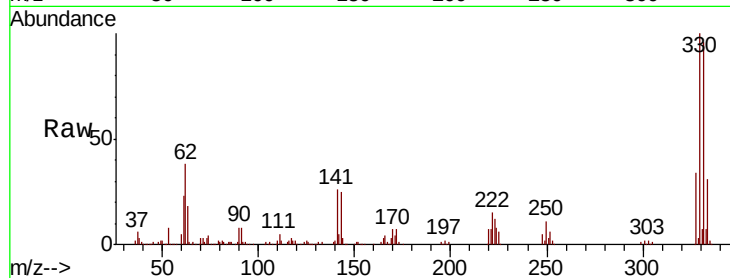




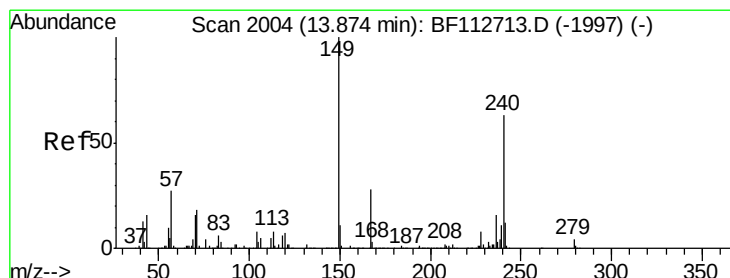
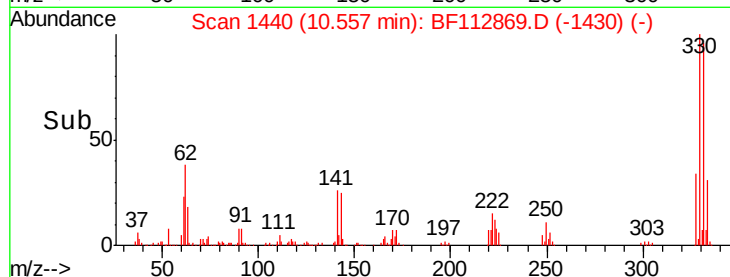
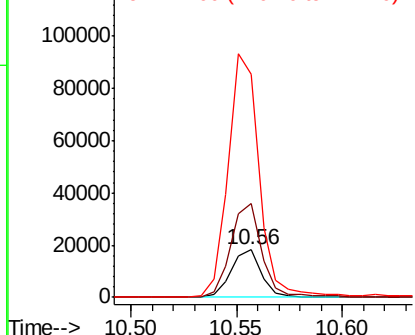
#67  
4-Bromophenyl-phenylether  
Concen: 3.286 ng  
RT: 10.56 min Scan# 1440  
Delta R.T. -0.24 min  
Lab File: BF112869.D  
Acq: 5 Mar 2019 23:10

Instrument :  
BNA\_F  
ClientSampleId :  
SB-A-5-8

Tgt Ion:248 Resp: 18147  
Ion Ratio Lower Upper  
248 100  
250 196.0 77.5 116.3#  
141 469.0 62.4 93.6#

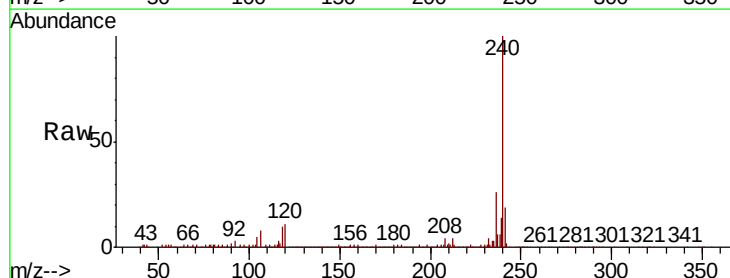


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

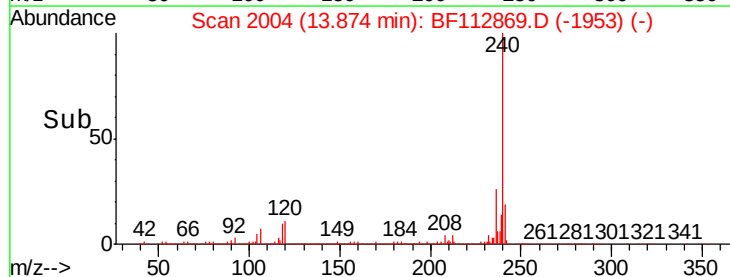
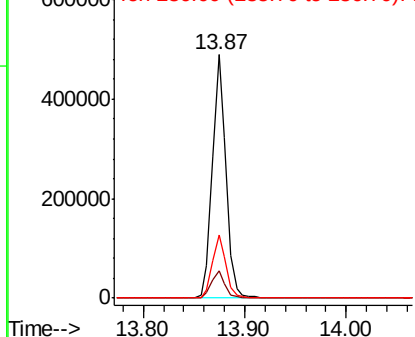


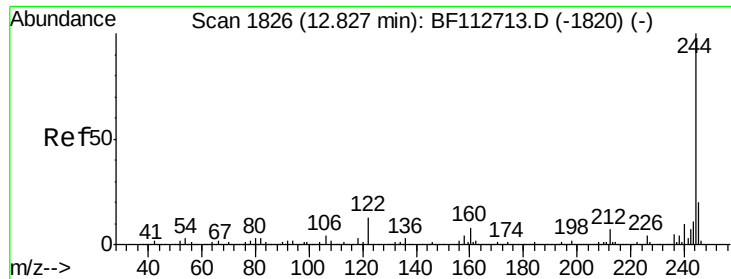
#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.87 min Scan# 2004  
Delta R.T. -0.00 min  
Lab File: BF112869.D  
Acq: 5 Mar 2019 23:10

Tgt Ion:240 Resp: 455912  
Ion Ratio Lower Upper  
240 100  
120 11.2 8.9 13.3  
236 25.7 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





#79

Terphenyl-d14

Concen: 48.157 ng

RT: 12.83 min Scan# 1827

Delta R.T. 0.01 min

Lab File: BF112869.D

Acq: 5 Mar 2019 23:10

Instrument :

BNA\_F

ClientSampleId :

SB-A-5-8

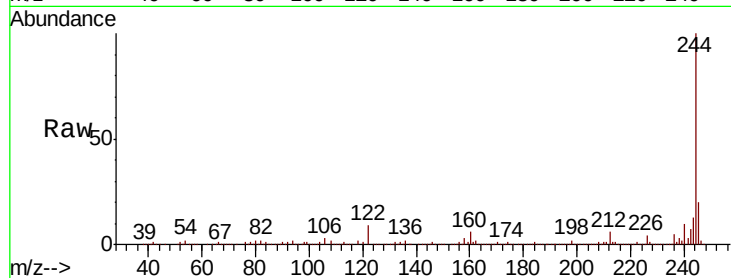
Tgt Ion:244 Resp: 1132589

Ion Ratio Lower Upper

244 100

212 6.5 5.6 8.4

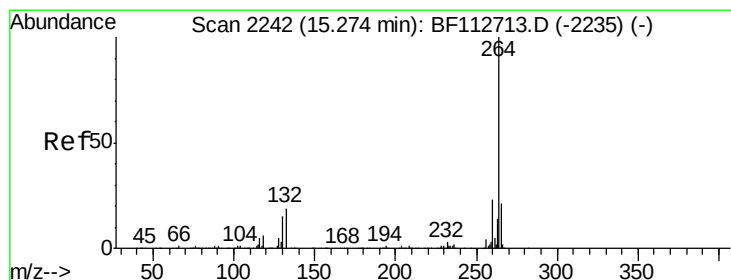
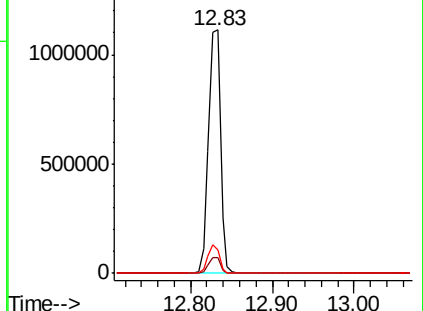
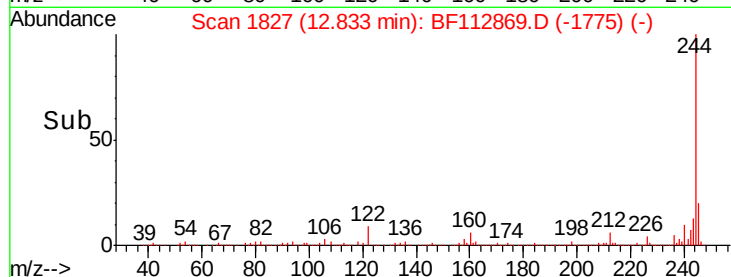
122 9.4 10.5 15.7#



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: 15.29 min Scan# 2244

Delta R.T. 0.01 min

Lab File: BF112869.D

Acq: 5 Mar 2019 23:10

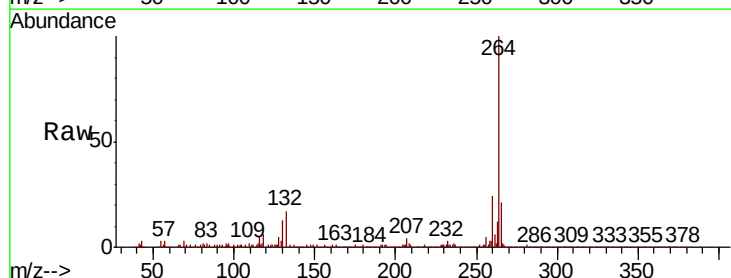
Tgt Ion:264 Resp: 348786

Ion Ratio Lower Upper

264 100

260 23.7 18.7 28.1

265 21.4 17.2 25.8



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

