

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022819\  
 Data File : BF112788.D  
 Acq On : 1 Mar 2019 3:38  
 Operator : JU/SJ  
 Sample : K1650-01 10X  
 Misc :  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Mar 01 16:08:16 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

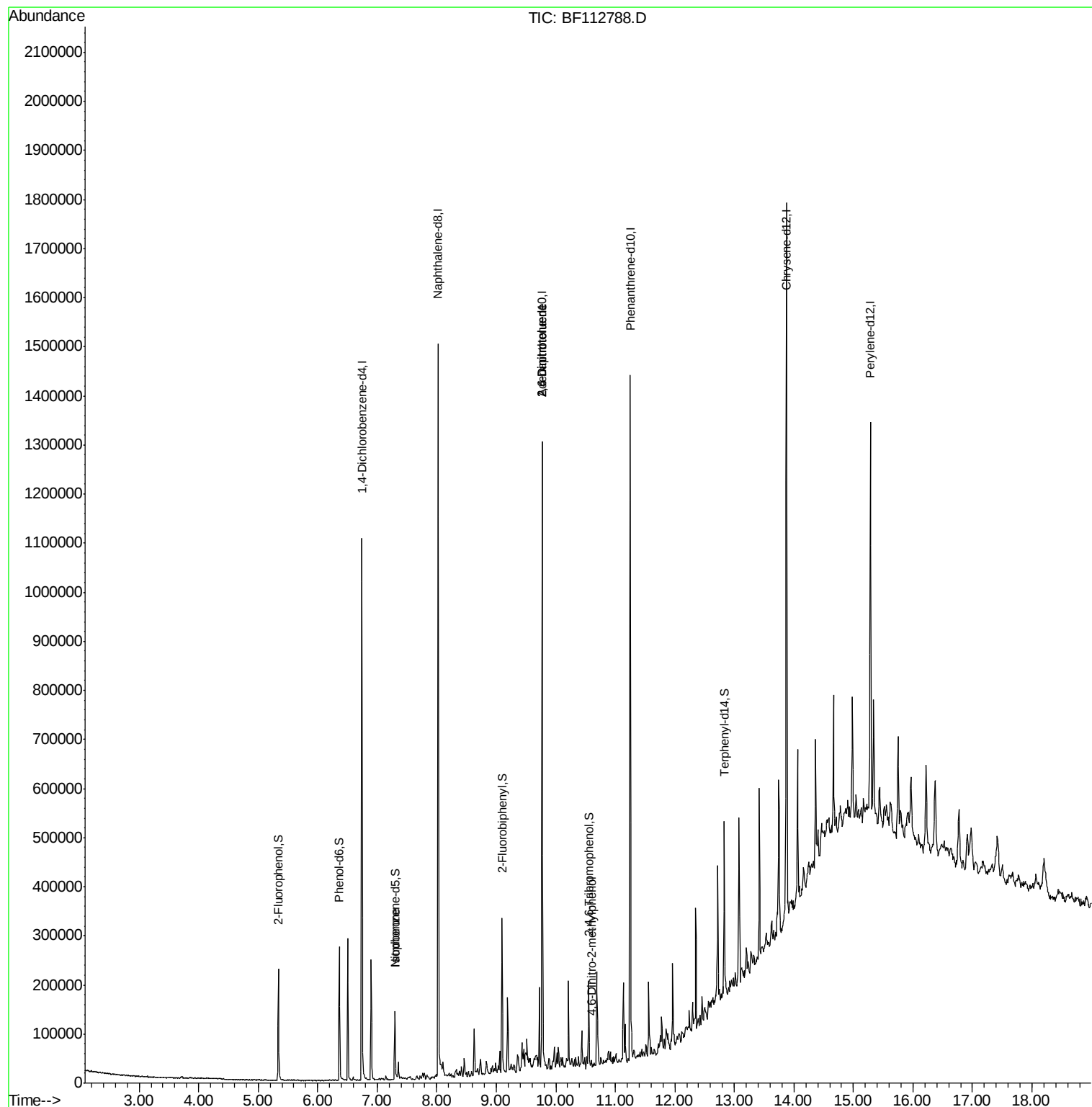
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.75  | 152  | 170437   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.02  | 136  | 638176   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10           | 9.77  | 164  | 263037   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10           | 11.25 | 188  | 506740   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12               | 13.87 | 240  | 481884   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12               | 15.29 | 264  | 357819   | 20.00 | ng    | 0.01     |
| System Monitoring Compounds    |       |      |          |       |       |          |
| 5) 2-Fluorophenol              | 5.34  | 112  | 64942    | 5.93  | ng    | 0.00     |
| 7) Phenol-d6                   | 6.36  | 99   | 86958    | 6.32  | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.30  | 82   | 48611    | 4.56  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol       | 10.55 | 330  | 19251    | 6.89  | ng    | 0.00     |
| 45) 2-Fluorobiphenyl           | 9.10  | 172  | 95914    | 3.44  | ng    | 0.00     |
| 79) Terphenyl-d14              | 12.83 | 244  | 105977   | 4.26  | ng    | 0.00     |
| Target Compounds               |       |      |          |       |       |          |
| 25) Isophorone                 | 7.30  | 82   | 48618    | 2.116 | ng    | # 66     |
| 51) 2,6-Dinitrotoluene         | 9.77  | 165  | 34994    | 8.664 | ng    | # 18     |
| 57) 2,4-Dinitrotoluene         | 9.77  | 165  | 34994    | 6.970 | ng    | # 18     |
| 65) 4,6-Dinitro-2-methylphenol | 10.60 | 198  | 122      | 4.666 | ng    | # 1      |

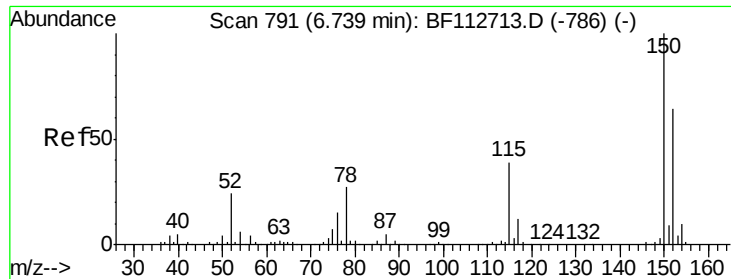
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BNA\_F  
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Response via : Initial Calibration



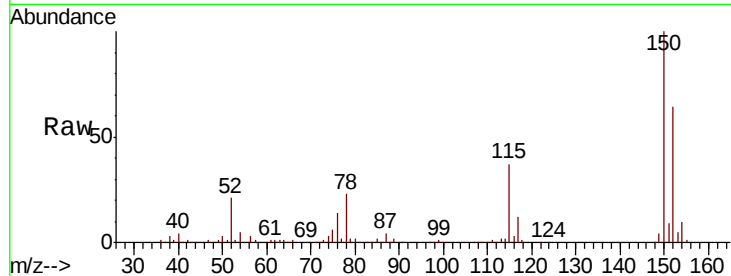


#1

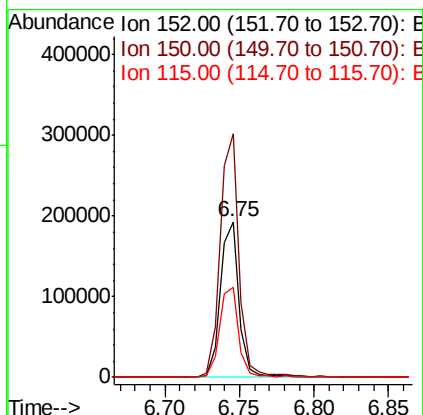
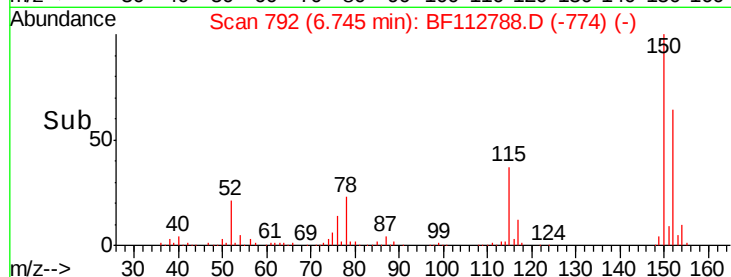
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.75 min Scan# 792  
Delta R.T. 0.01 min  
Lab File: BF112788.D  
Acq: 1 Mar 2019 3:38

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:152 Resp: 170437  
Ion Ratio Lower Upper  
152 100  
150 156.8 124.2 186.2  
115 58.1 48.2 72.4



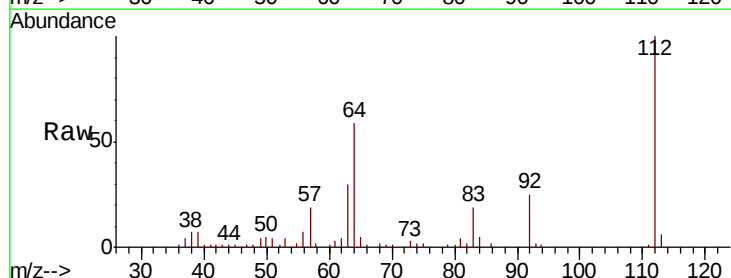
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



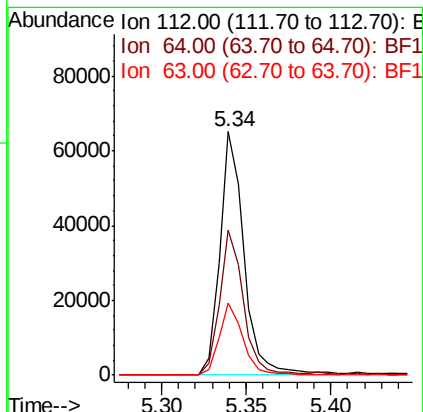
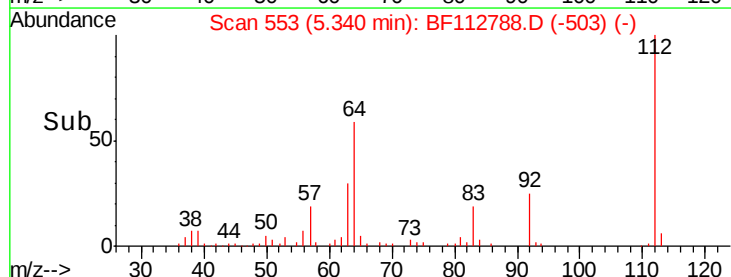
#5

2-Fluorophenol  
Concen: 5.927 ng  
RT: 5.34 min Scan# 553  
Delta R.T. -0.01 min  
Lab File: BF112788.D  
Acq: 1 Mar 2019 3:38

Tgt Ion:112 Resp: 64942  
Ion Ratio Lower Upper  
112 100  
64 59.3 47.6 71.4  
63 29.8 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: 6.318 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF112788.D

Acq: 1 Mar 2019 3:38

Instrument :

BNA\_F

ClientSampled :

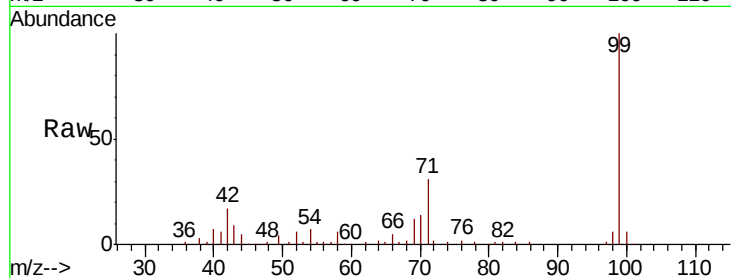
Tot Ion: 99 Resp: 86958

Ion Ratio Lower Upper

99 100

42 17.0 16.3 24.5

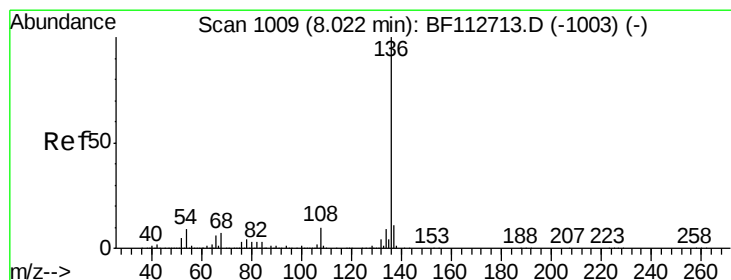
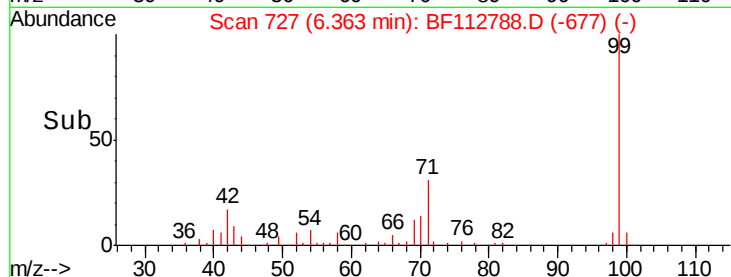
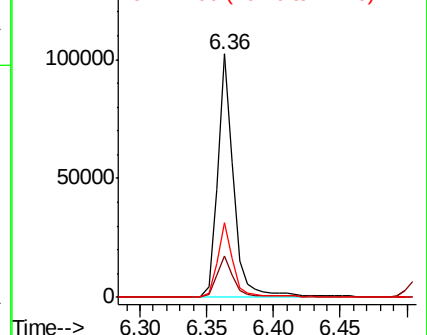
71 30.9 26.2 39.4



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: 8.02 min Scan# 1009

Delta R.T. 0.00 min

Lab File: BF112788.D

Acq: 1 Mar 2019 3:38

Tgt Ion: 136 Resp: 638176

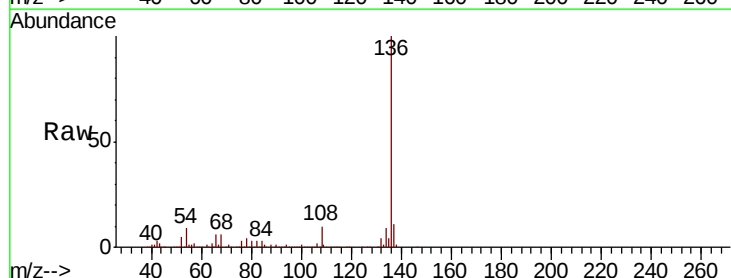
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 8.8 7.3 10.9

68 6.4 5.4 8.2

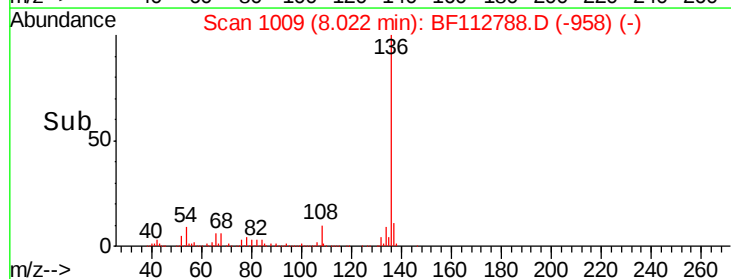
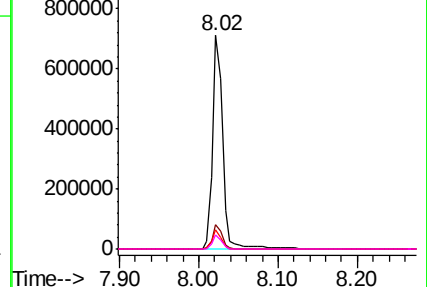


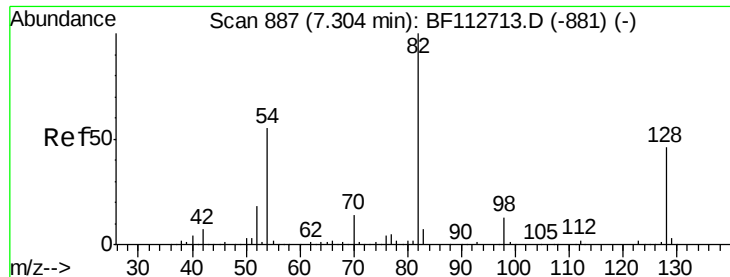
Abundance Ion 136.00 (135.70 to 136.70): E

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

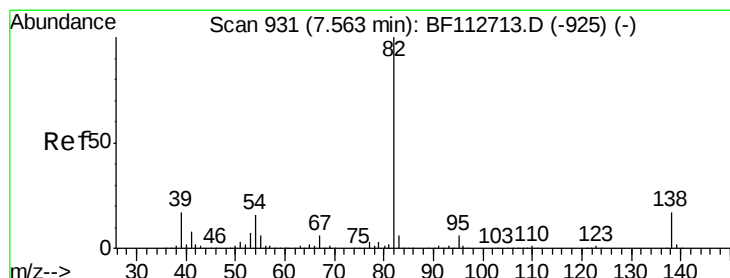
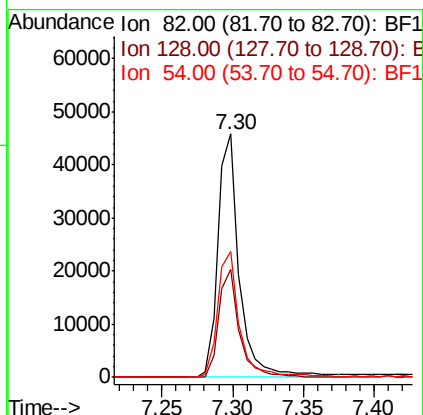
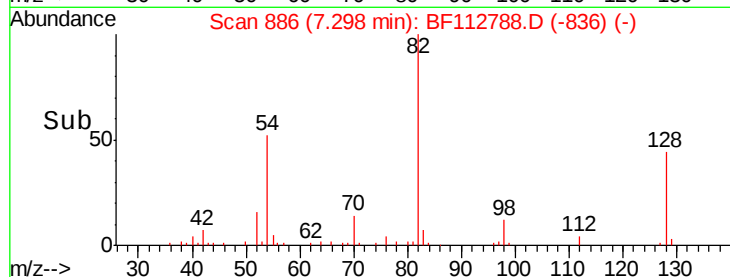
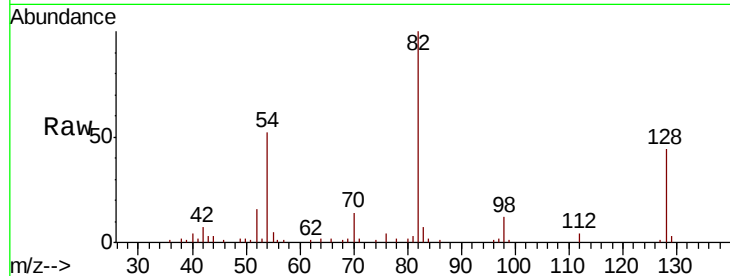




#23  
Nitrobenzene-d5  
Concen: 4.558 ng  
RT: 7.30 min Scan# 886  
Delta R.T. -0.01 min  
Lab File: BF112788.D  
Acq: 1 Mar 2019 3:38

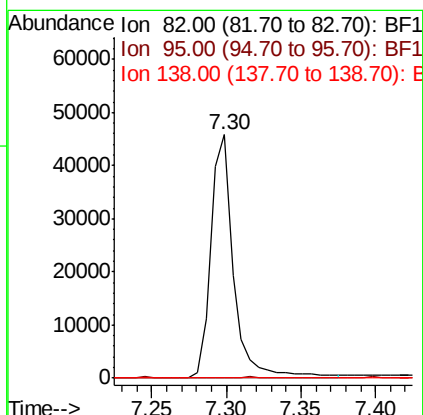
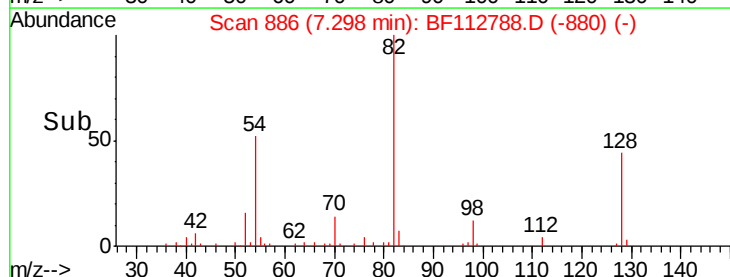
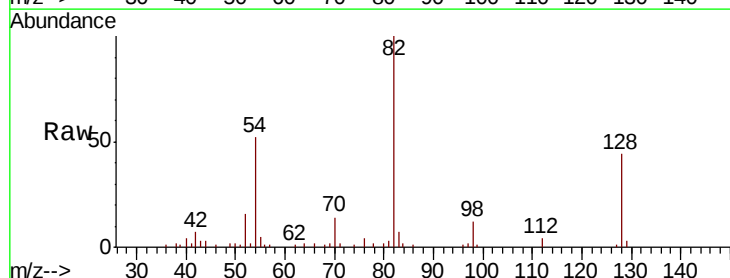
Instrument :  
BNA\_F  
ClientSampled :

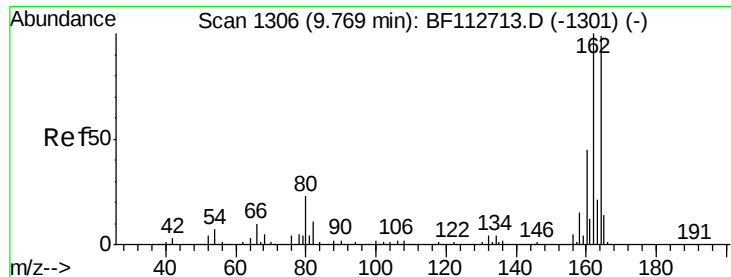
Tot Ion: 82 Resp: 48611  
Ion Ratio Lower Upper  
82 100  
128 44.3 36.3 54.5  
54 51.8 43.7 65.5



#25  
Isophorone  
Concen: 2.116 ng  
RT: 7.30 min Scan# 886  
Delta R.T. -0.26 min  
Lab File: BF112788.D  
Acq: 1 Mar 2019 3:38

Tgt Ion: 82 Resp: 48618  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.2 7.8#  
138 0.0 13.8 20.8#

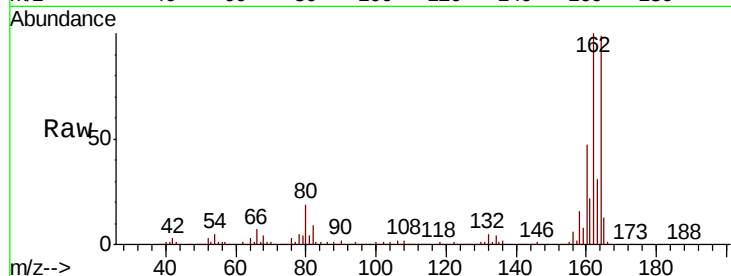




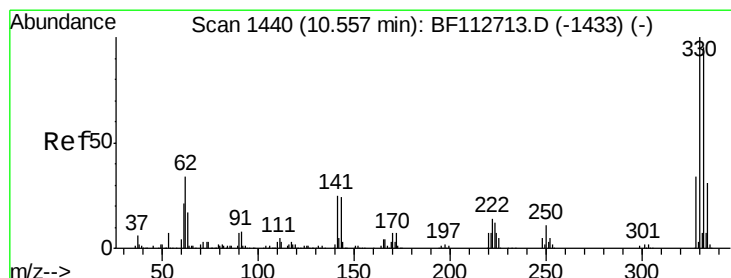
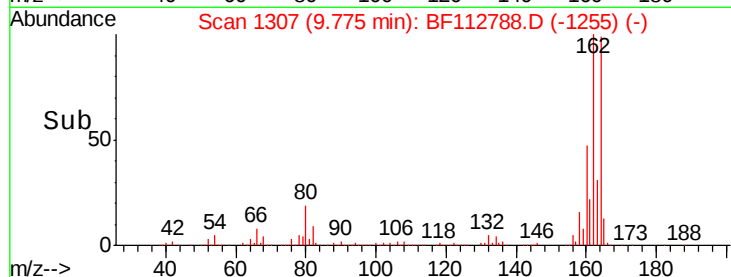
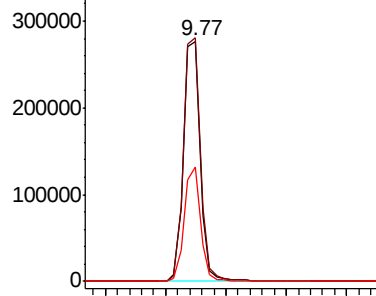
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.77 min Scan# 1307  
Delta R.T. 0.01 min  
Lab File: BF112788.D  
Acq: 1 Mar 2019 3:38

Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 101.3 | 80.6  | 120.8 |
| 160     | 47.4  | 36.0  | 54.0  |

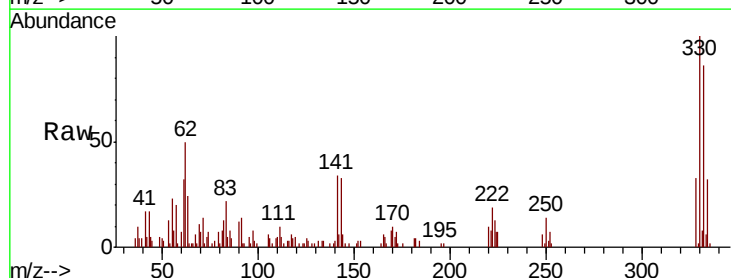


Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

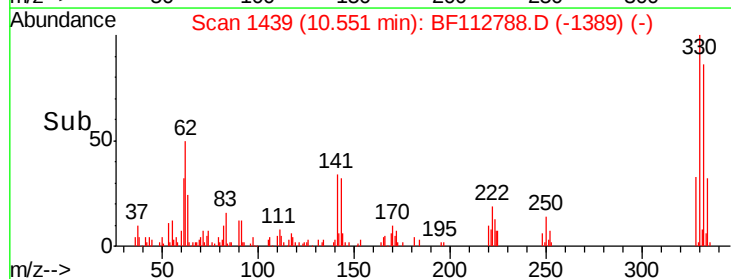
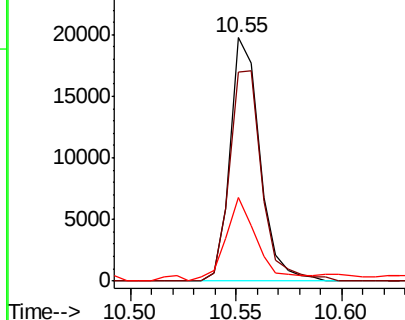


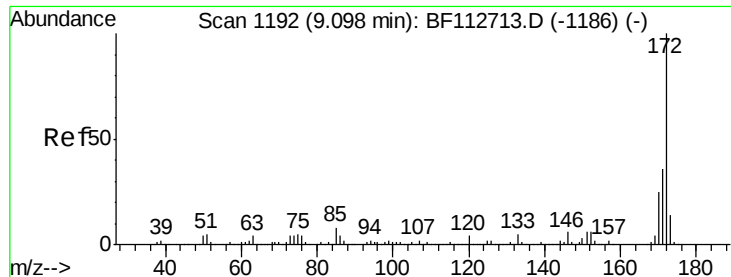
#42  
2,4,6-Tribromophenol  
Concen: 6.894 ng  
RT: 10.55 min Scan# 1439  
Delta R.T. -0.01 min  
Lab File: BF112788.D  
Acq: 1 Mar 2019 3:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 93.4  | 76.2  | 114.4 |
| 141     | 35.7  | 27.0  | 40.6  |



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

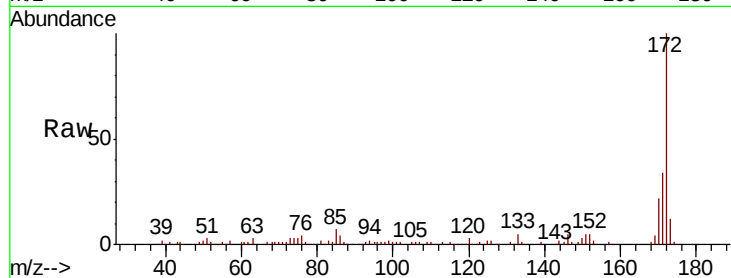




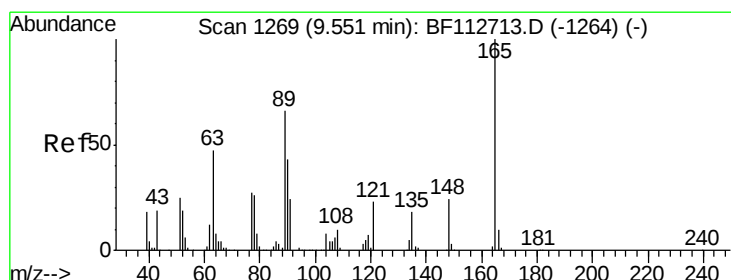
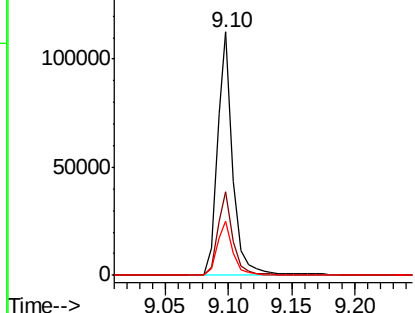
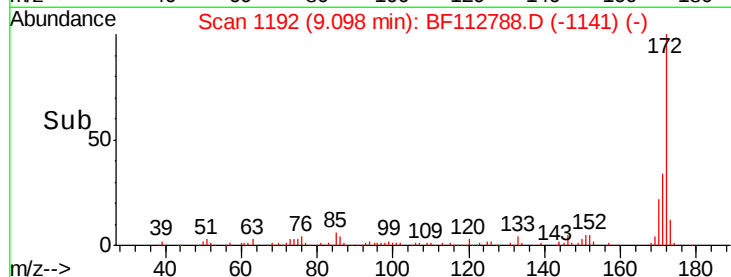
#45  
2-Fluorobiphenyl  
Concen: 3.443 ng  
RT: 9.10 min Scan# 1192  
Delta R.T. 0.00 min  
Lab File: BF112788.D  
Acq: 1 Mar 2019 3:38

Instrument :  
BNA\_F  
ClientSampled :

Tot Ion:172 Resp: 95914  
Ion Ratio Lower Upper  
172 100  
171 34.1 29.0 43.4  
170 22.0 20.0 30.0

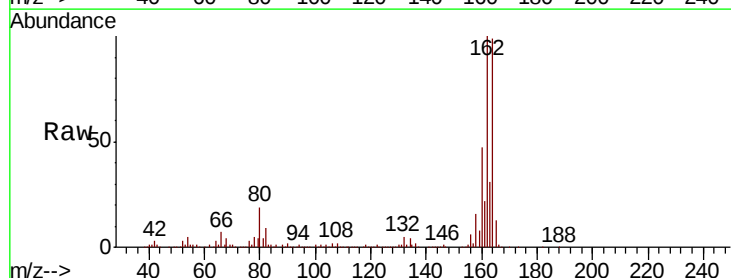


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

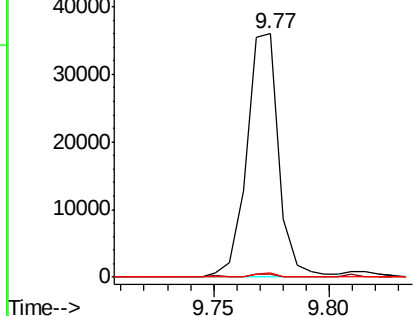
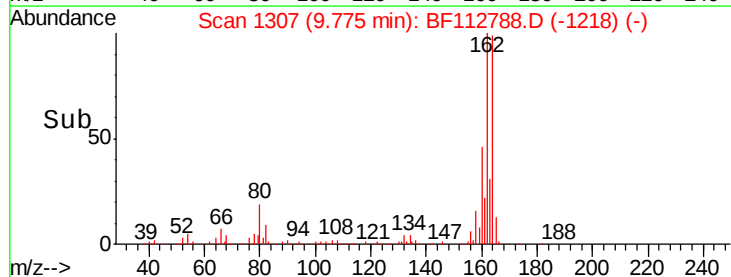


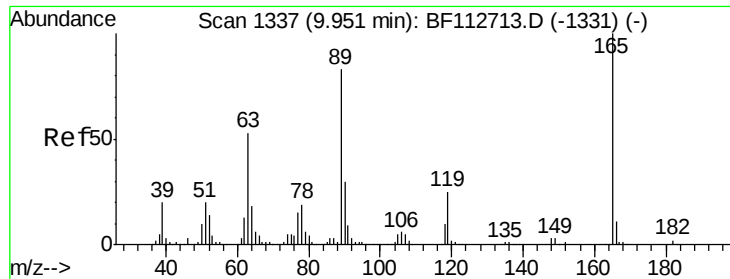
#51  
2,6-Dinitrotoluene  
Concen: 8.664 ng  
RT: 9.77 min Scan# 1307  
Delta R.T. 0.22 min  
Lab File: BF112788.D  
Acq: 1 Mar 2019 3:38

Tgt Ion:165 Resp: 34994  
Ion Ratio Lower Upper  
165 100  
63 1.2 54.1 81.1#  
89 1.7 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

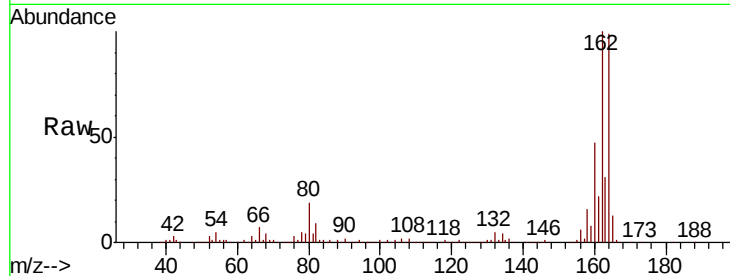




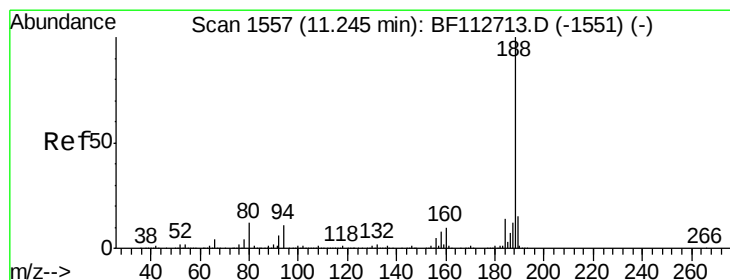
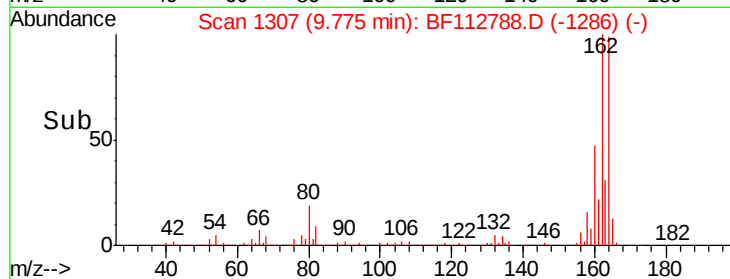
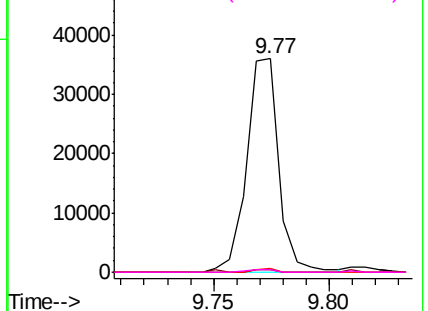
#57  
 2,4-Dinitrotoluene  
 Concen: 6.970 ng  
 RT: 9.77 min Scan# 1307  
 Delta R.T. -0.18 min  
 Lab File: BF112788.D  
 Acq: 1 Mar 2019 3:38

Instrument :  
 BNA\_F  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.2   | 42.2  | 63.2# |
| 89      | 1.7   | 66.2  | 99.4# |
| 182     | 1.0   | 1.8   | 2.6#  |

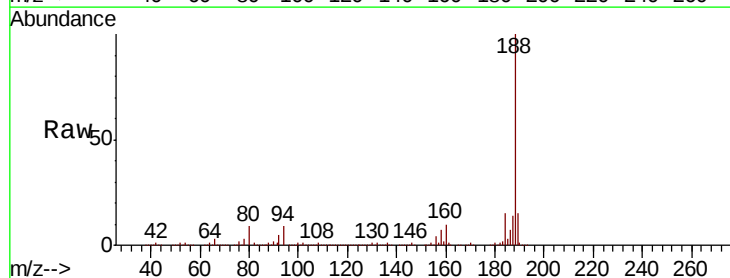


Abundance Ion 165.00 (164.70 to 165.70): E  
 Ion 63.00 (62.70 to 63.70): BF1  
 Ion 89.00 (88.70 to 89.70): BF1  
 Ion 182.00 (181.70 to 182.70): E

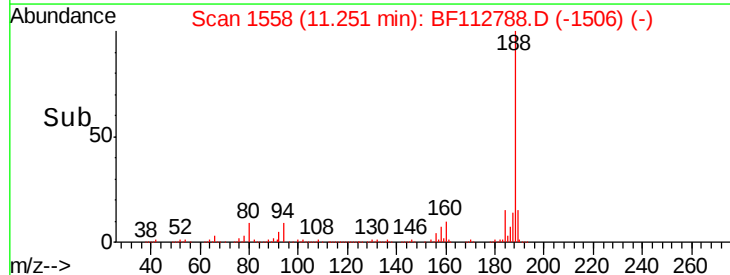
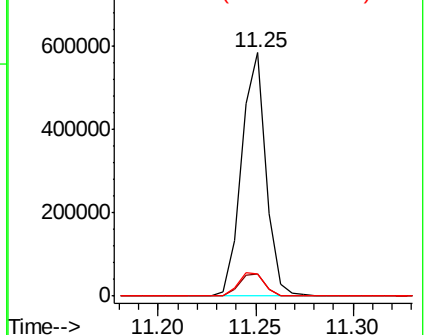


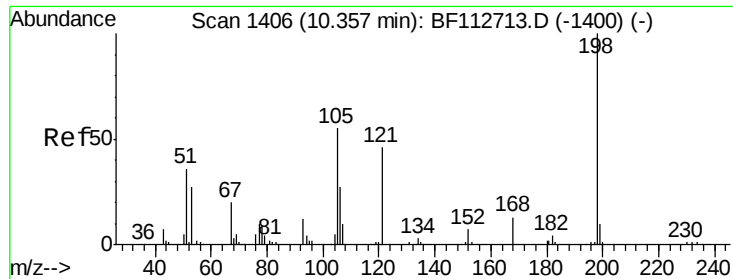
#64  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.25 min Scan# 1558  
 Delta R.T. 0.01 min  
 Lab File: BF112788.D  
 Acq: 1 Mar 2019 3:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 9.1   | 9.0   | 13.4  |
| 80      | 9.1   | 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

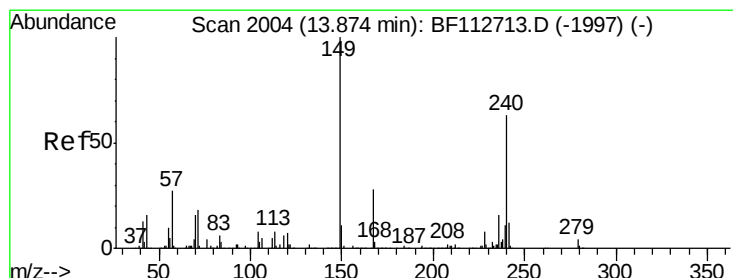
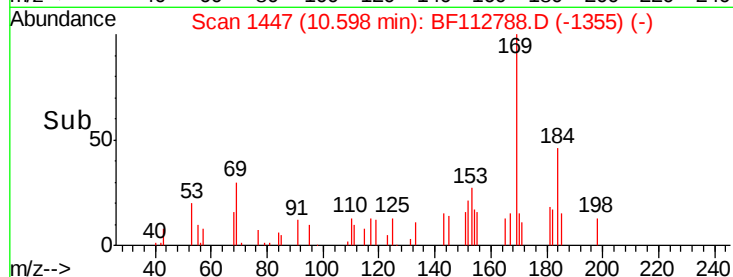
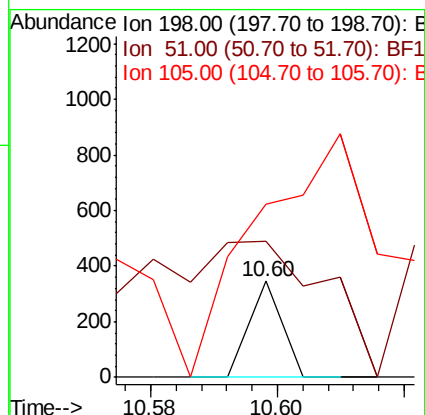
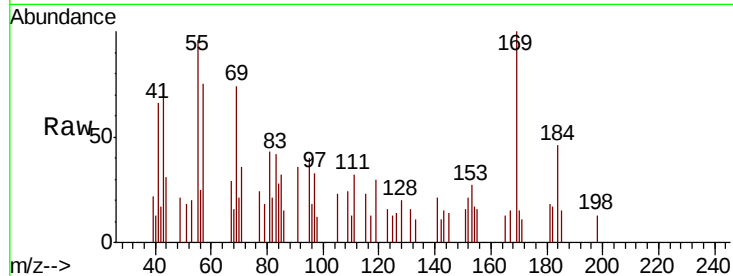




#65  
 4,6-Dinitro-2-methylphenol  
 Concen: 4.666 ng  
 RT: 10.60 min Scan# 1447  
 Delta R.T. 0.24 min  
 Lab File: BF112788.D  
 Acq: 1 Mar 2019 3:38

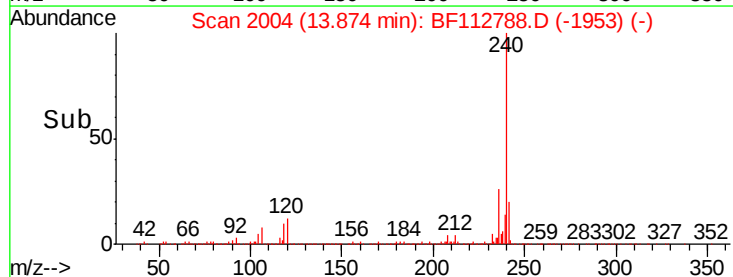
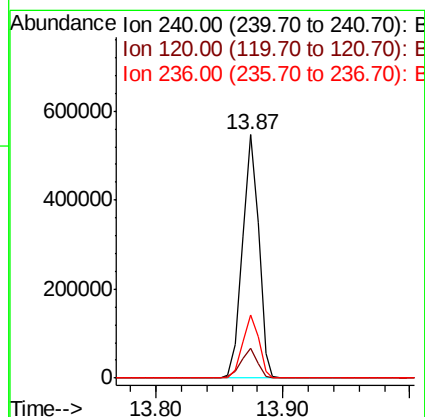
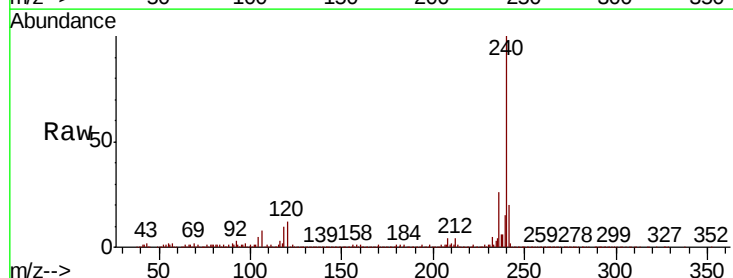
Instrument :  
 BNA\_F  
 ClientSampleID :

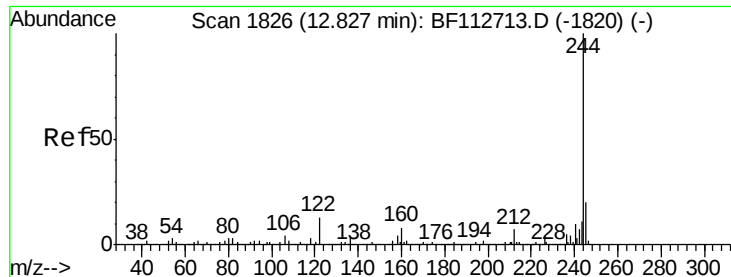
Tot Ion:198 Resp: 122  
 Ion Ratio Lower Upper  
 198 100  
 51 141.6 43.8 83.8#  
 105 180.6 36.5 76.5#



#76  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 13.87 min Scan# 2004  
 Delta R.T. 0.00 min  
 Lab File: BF112788.D  
 Acq: 1 Mar 2019 3:38

Tgt Ion:240 Resp: 481884  
 Ion Ratio Lower Upper  
 240 100  
 120 12.3 8.9 13.3  
 236 25.8 20.7 31.1

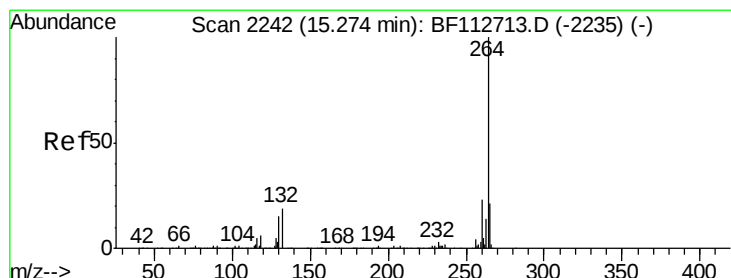
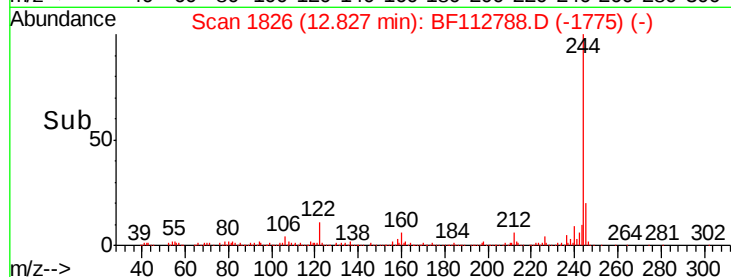
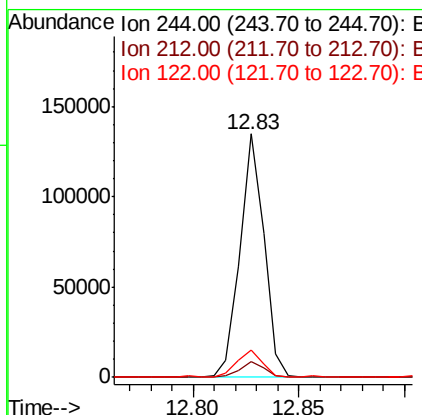
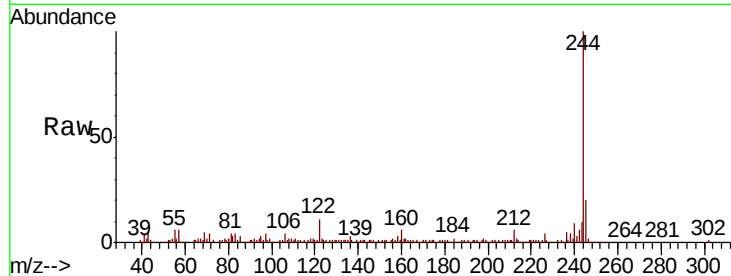




#79  
 Terphenyl-d14  
 Concen: 4.263 ng  
 RT: 12.83 min Scan# 1826  
 Delta R.T. 0.00 min  
 Lab File: BF112788.D  
 Acq: 1 Mar 2019 3:38

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:244 Resp: 105977  
 Ion Ratio Lower Upper  
 244 100  
 212 6.3 5.6 8.4  
 122 11.2 10.5 15.7



#87  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.29 min Scan# 2244  
 Delta R.T. 0.01 min  
 Lab File: BF112788.D  
 Acq: 1 Mar 2019 3:38

Tgt Ion:264 Resp: 357819  
 Ion Ratio Lower Upper  
 264 100  
 260 24.9 18.7 28.1  
 265 22.7 17.2 25.8

