

Data Path : Z:\HPCHEM1\BNA F\Data\BF020515\  
 Data File : BF077198.D  
 Acq On : 5 Feb 2015 23:57  
 Operator : TP/IZ  
 Sample : G1217-01  
 Misc : TCLP  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Feb 06 02:29:54 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF011415.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Feb 06 01:12:44 2015  
 Response via : Initial Calibration

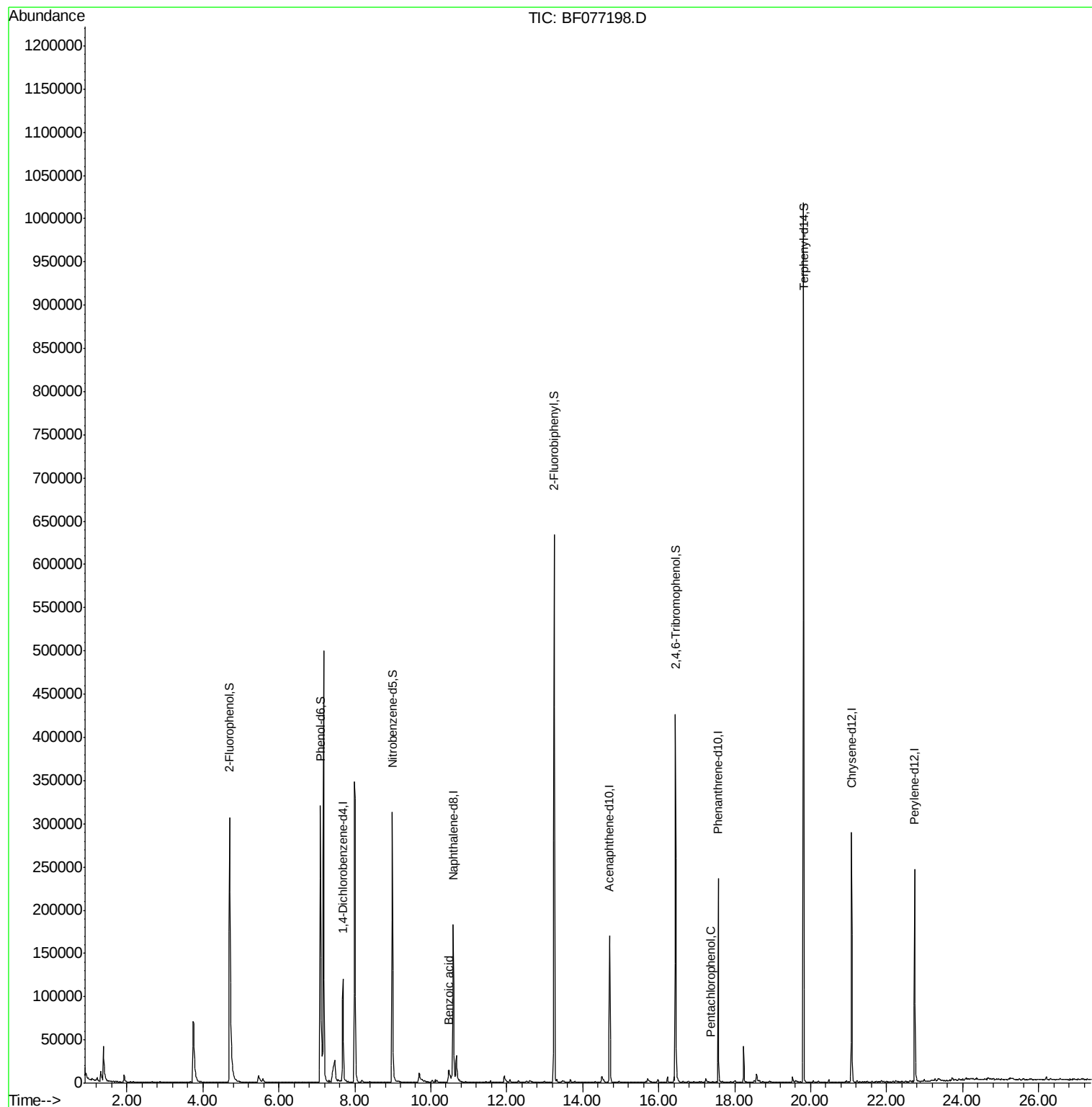
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.69  | 152  | 34223    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.59 | 136  | 137687   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 14.71 | 164  | 74066    | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10        | 17.56 | 188  | 124759   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 21.07 | 240  | 131133   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 22.74 | 264  | 124502   | 20.00  | ng    | 0.02     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 4.70  | 112  | 200711   | 96.43  | ng    | 0.01     |
| 7) Phenol-d6                | 7.09  | 99   | 227555   | 86.66  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 8.99  | 82   | 164355   | 66.13  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 16.44 | 330  | 63467    | 105.56 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 13.24 | 172  | 341137   | 70.09  | ng    | 0.00     |
| 78) Terphenyl-d14           | 19.81 | 244  | 382660   | 67.18  | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       |          |
| 32) Benzoic acid            | 10.48 | 122  | 7578     | 6.99   | ng    | 95       |
| 69) Pentachlorophenol       | 17.36 | 266  | 466      | 7.61   | ng    | # 20     |

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

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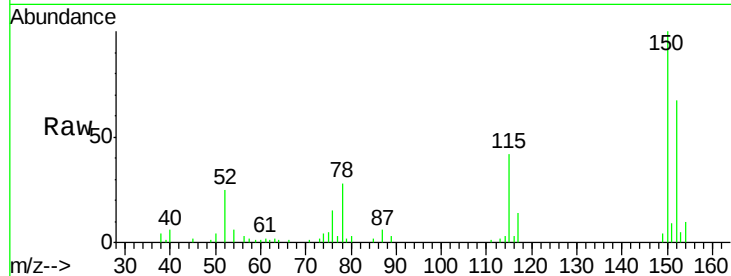


#1

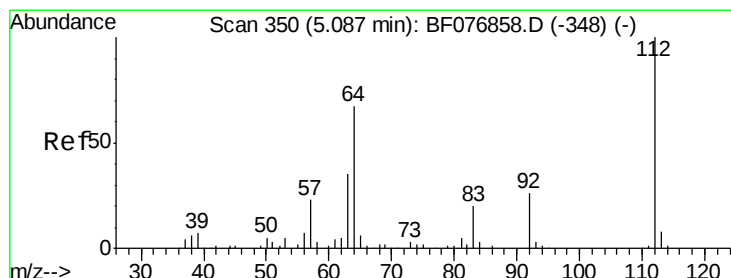
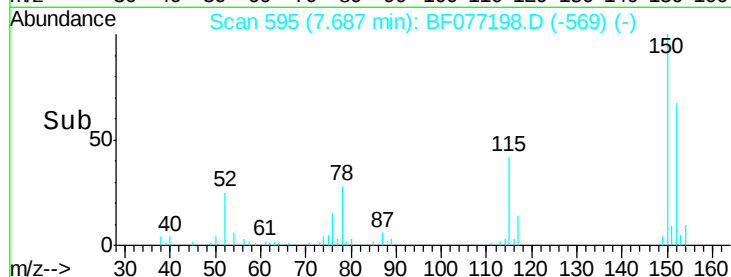
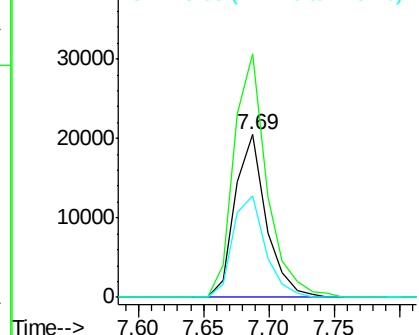
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 7.69 min Scan# 595  
Delta R.T. -0.00 min  
Lab File: BF077198.D  
Acq: 5 Feb 2015 23:57

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:152 Resp: 34223  
Ion Ratio Lower Upper  
152 100  
150 149.8 121.7 182.5  
115 62.9 47.0 70.6



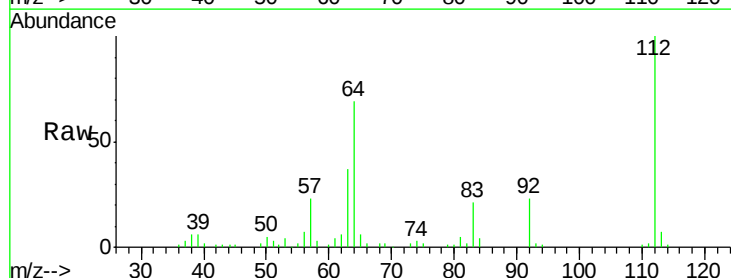
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



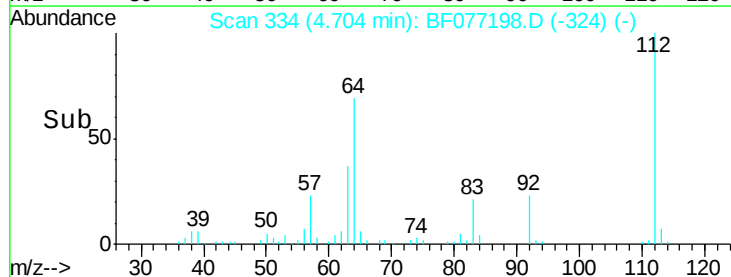
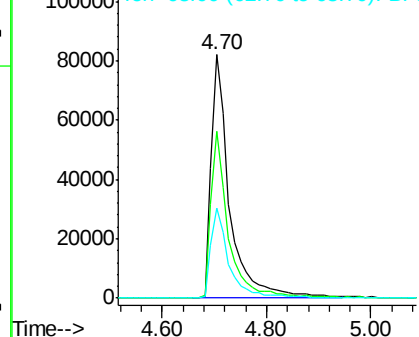
#5

2-Fluorophenol  
Concen: 96.43 ng  
RT: 4.70 min Scan# 334  
Delta R.T. 0.01 min  
Lab File: BF077198.D  
Acq: 5 Feb 2015 23:57

Tgt Ion:112 Resp: 200711  
Ion Ratio Lower Upper  
112 100  
64 68.6 54.2 81.4  
63 37.0 28.4 42.6



Abundance Ion 112.00 (111.70 to 112.70): E  
Ion 64.00 (63.70 to 64.70): BF0  
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 86.66 ng

RT: 7.09 min Scan# 543

Delta R.T. -0.00 min

Lab File: BF077198.D

Acq: 5 Feb 2015 23:57

Instrument :

BNA\_F

ClientSampleId :

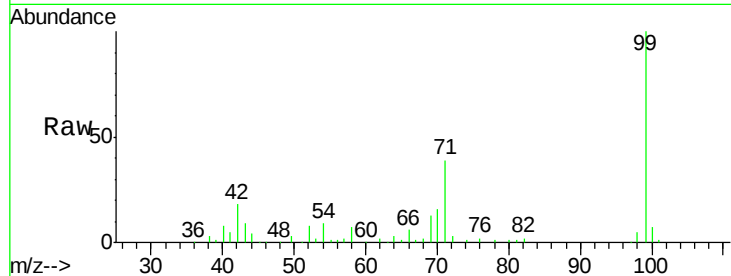
Tot Ion: 99 Resp: 227555

Ion Ratio Lower Upper

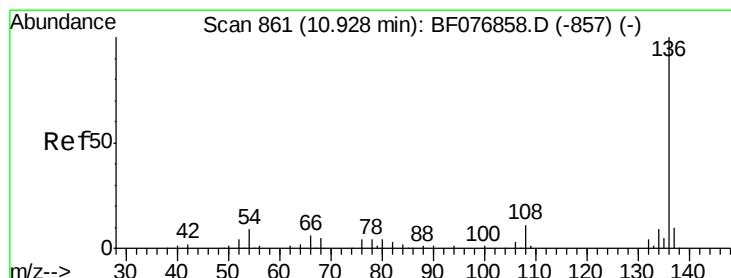
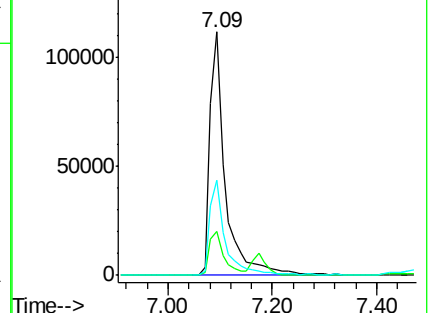
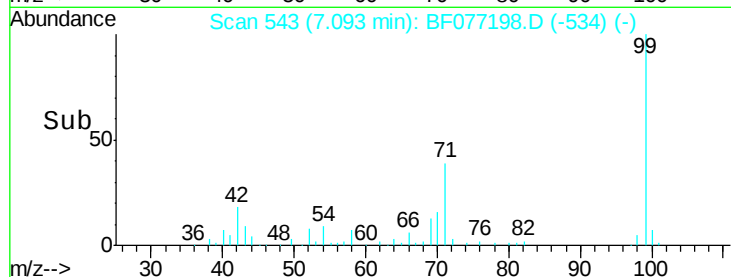
99 100

42 18.0 15.0 22.4

71 39.2 30.5 45.7



Abundance Ion 99.00 (98.70 to 99.70): BF0  
Ion 42.00 (41.70 to 42.70): BF0  
Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.59 min Scan# 849

Delta R.T. -0.00 min

Lab File: BF077198.D

Acq: 5 Feb 2015 23:57

Tgt Ion: 136 Resp: 137687

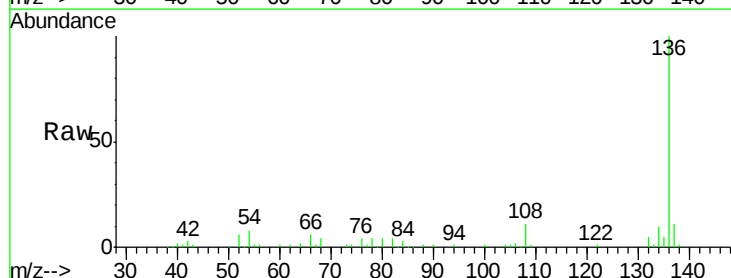
Ion Ratio Lower Upper

136 100

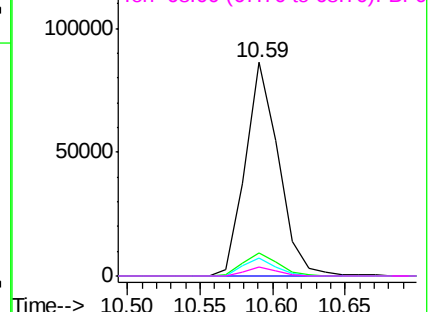
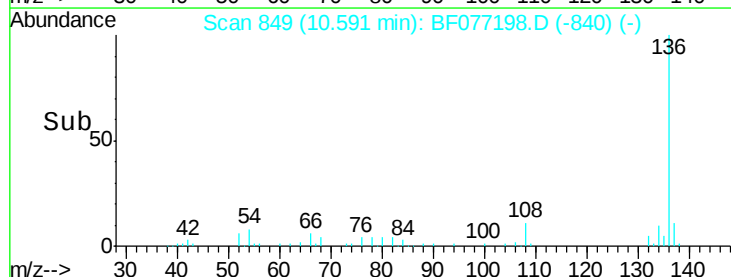
137 10.8 8.1 12.1

54 8.4 7.0 10.4

68 3.9 3.7 5.5



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): BF0  
Ion 68.00 (67.70 to 68.70): BF0

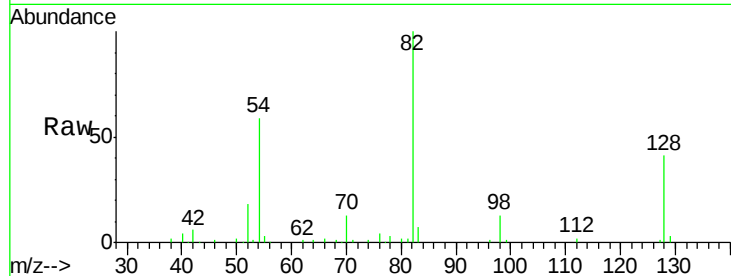




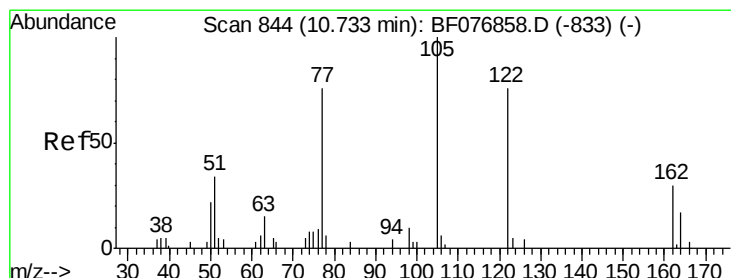
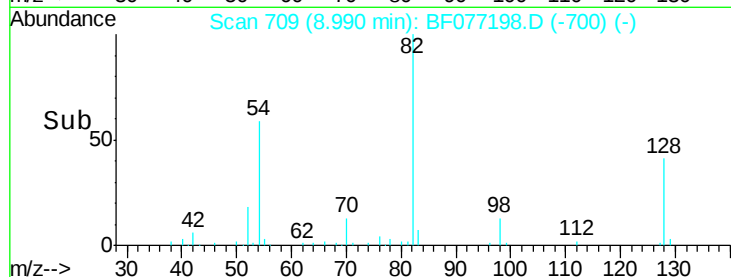
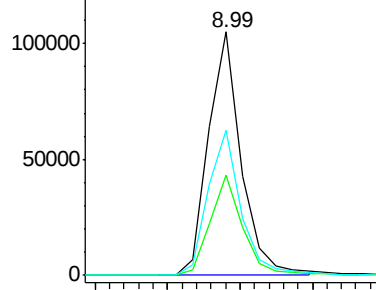
#23  
Nitrobenzene-d5  
Concen: 66.13 ng  
RT: 8.99 min Scan# 709  
Delta R.T. -0.00 min  
Lab File: BF077198.D  
Acq: 5 Feb 2015 23:57

Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 41.2  | 33.1  | 49.7  |
| 54      | 59.5  | 48.3  | 72.5  |

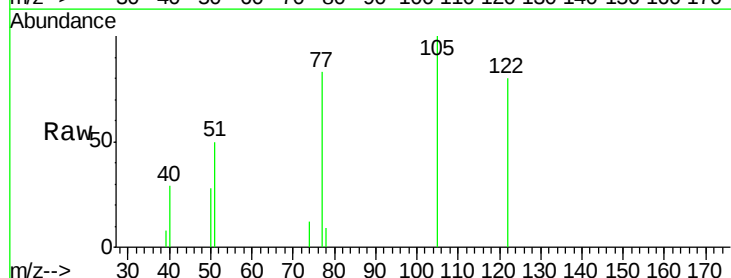


Abundance Ion 82.00 (81.70 to 82.70): BF0  
Ion 128.00 (127.70 to 128.70): E  
Ion 54.00 (53.70 to 54.70): BF0

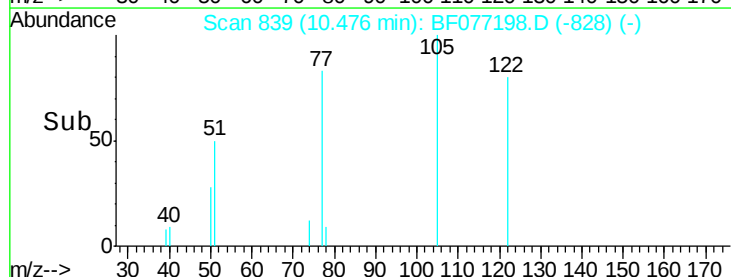
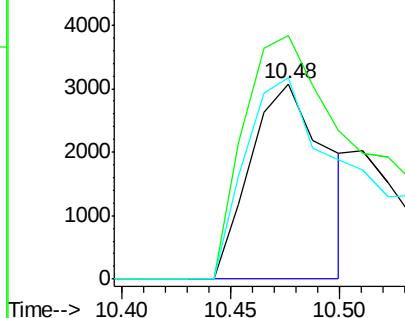


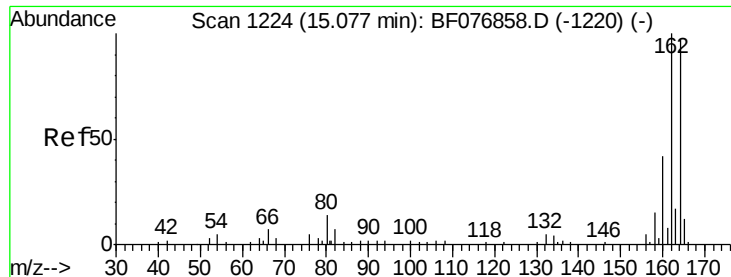
#32  
Benzoic acid  
Concen: 6.99 ng  
RT: 10.48 min Scan# 839  
Delta R.T. 0.02 min  
Lab File: BF077198.D  
Acq: 5 Feb 2015 23:57

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 105     | 124.5 | 111.3 | 151.3 |
| 77      | 102.9 | 79.2  | 119.2 |



Abundance Ion 122.00 (121.70 to 122.70): E  
Ion 105.00 (104.70 to 105.70): E  
Ion 77.00 (76.70 to 77.70): BF0

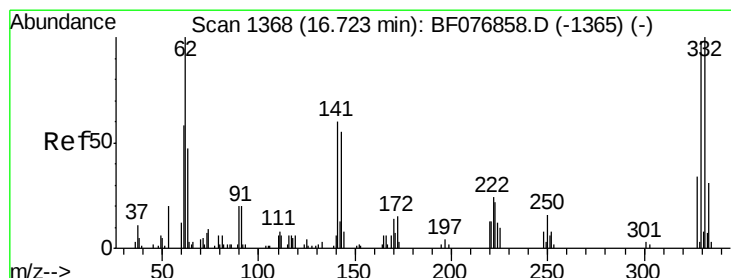
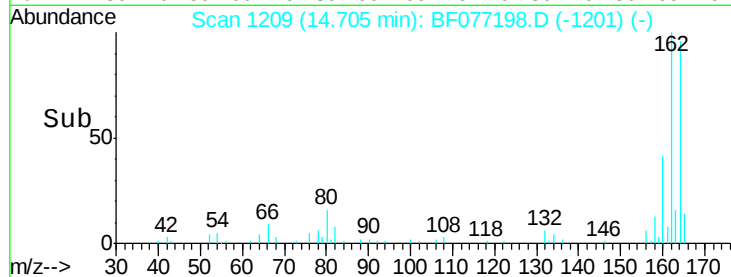
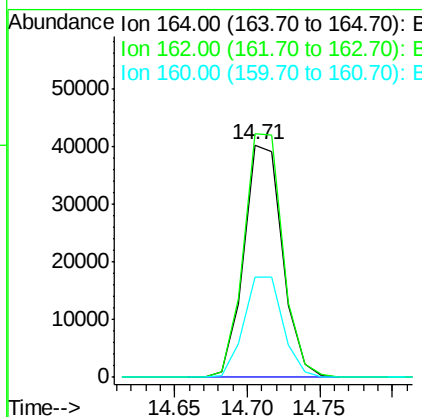
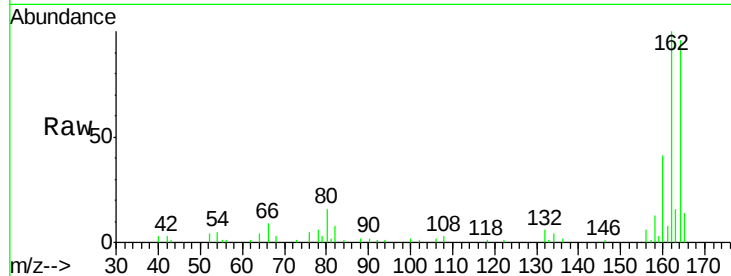




#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 14.71 min Scan# 1209  
 Delta R.T. -0.01 min  
 Lab File: BF077198.D  
 Acq: 5 Feb 2015 23:57

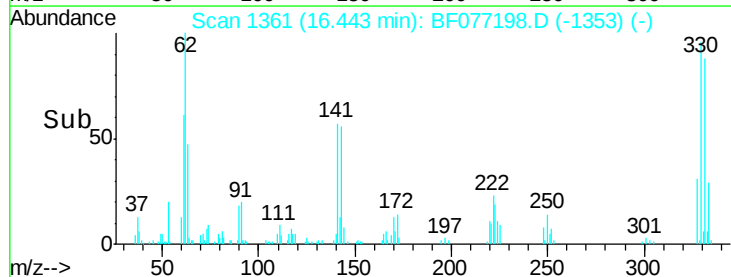
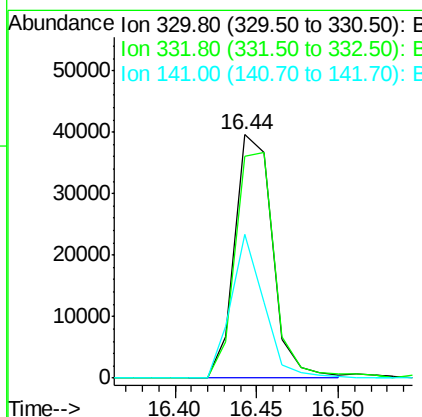
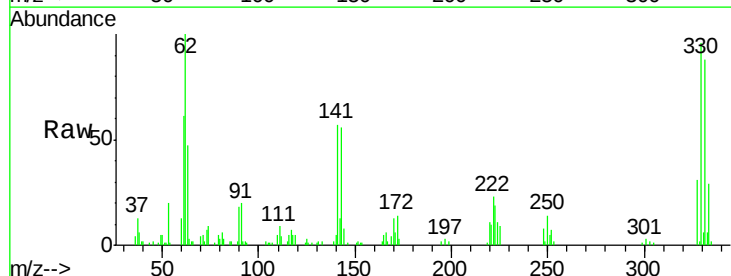
Instrument :  
 BNA\_F  
 ClientSampled :

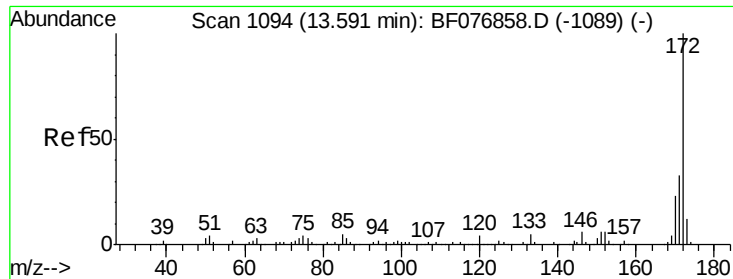
Tot Ion:164 Resp: 74066  
 Ion Ratio Lower Upper  
 164 100  
 162 104.7 82.4 123.6  
 160 43.1 34.8 52.2



#41  
 2,4,6-Tribromophenol  
 Concen: 105.56 ng  
 RT: 16.44 min Scan# 1361  
 Delta R.T. -0.01 min  
 Lab File: BF077198.D  
 Acq: 5 Feb 2015 23:57

Tgt Ion:330 Resp: 63467  
 Ion Ratio Lower Upper  
 330 100  
 332 96.0 77.8 116.6  
 141 51.7 38.5 57.7

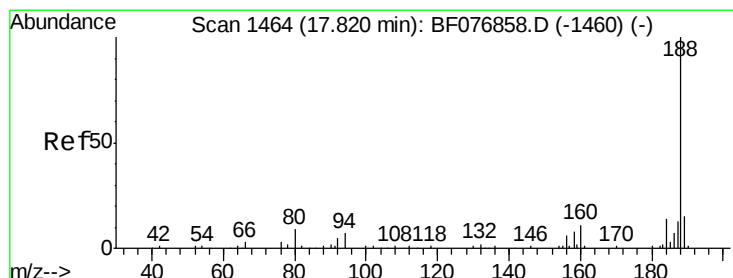
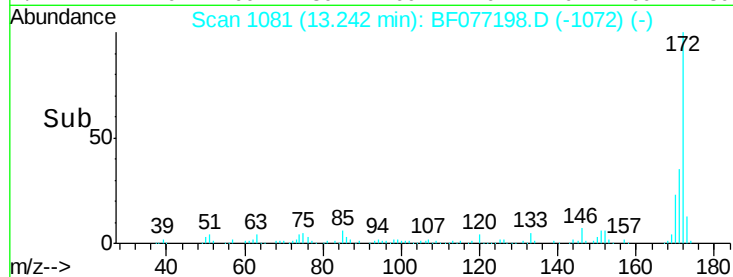
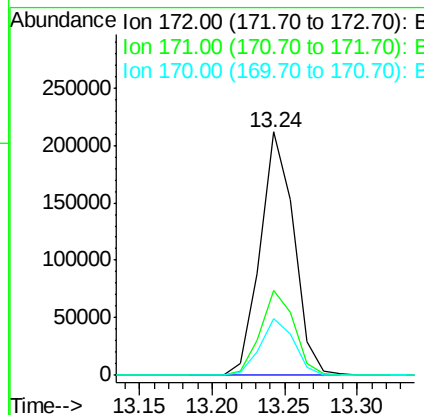
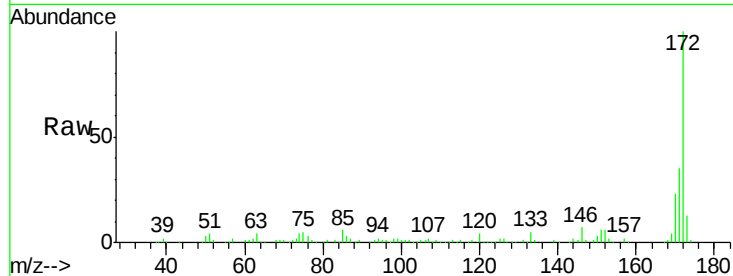




#44  
 2-Fluorobiphenyl  
 Concen: 70.09 ng  
 RT: 13.24 min Scan# 1081  
 Delta R.T. -0.00 min  
 Lab File: BF077198.D  
 Acq: 5 Feb 2015 23:57

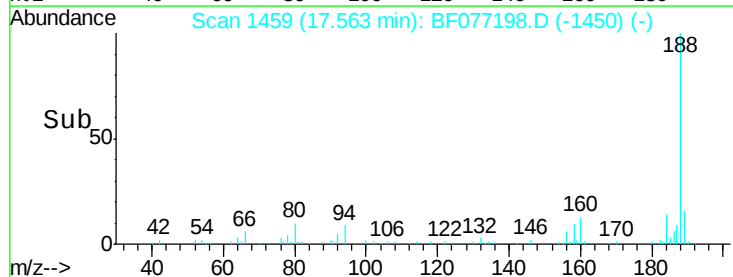
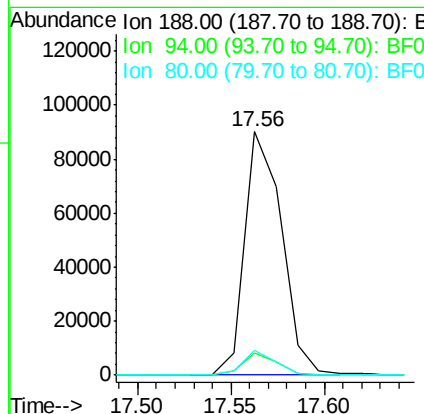
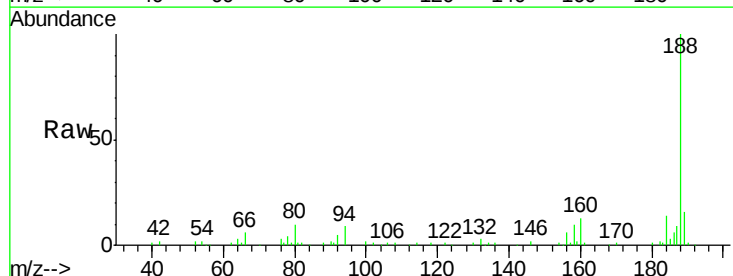
Instrument :  
 BNA\_F  
 ClientSampleId :

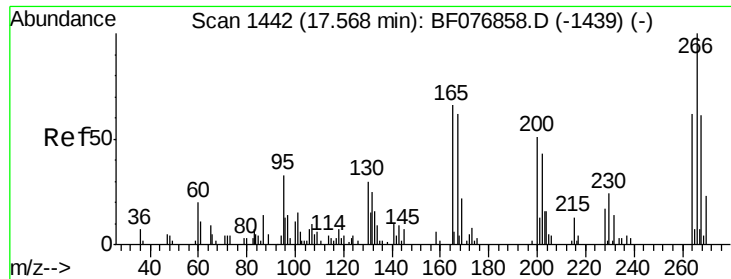
Tot Ion:172 Resp: 341137  
 Ion Ratio Lower Upper  
 172 100  
 171 34.6 26.6 40.0  
 170 23.2 18.0 27.0



#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 17.56 min Scan# 1459  
 Delta R.T. -0.00 min  
 Lab File: BF077198.D  
 Acq: 5 Feb 2015 23:57

Tgt Ion:188 Resp: 124759  
 Ion Ratio Lower Upper  
 188 100  
 94 9.2 6.0 9.0#  
 80 11.2 6.9 10.3#

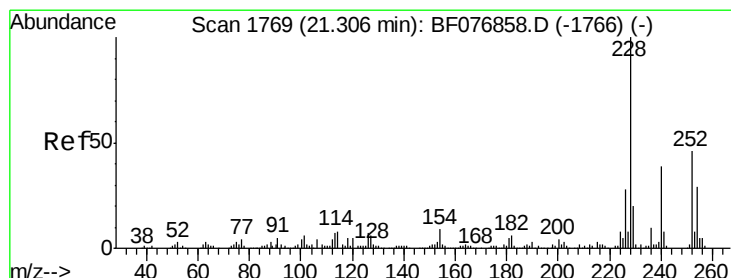
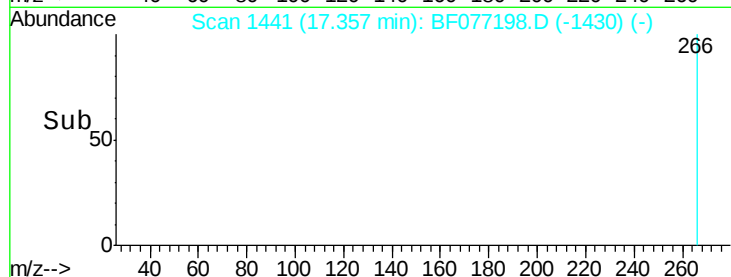
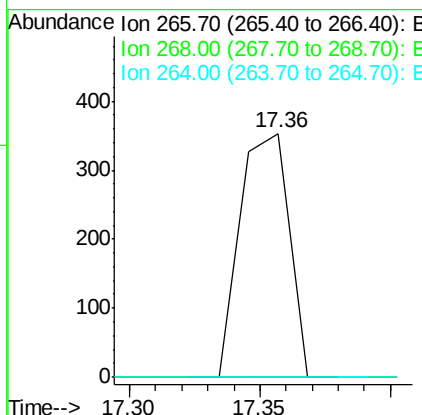
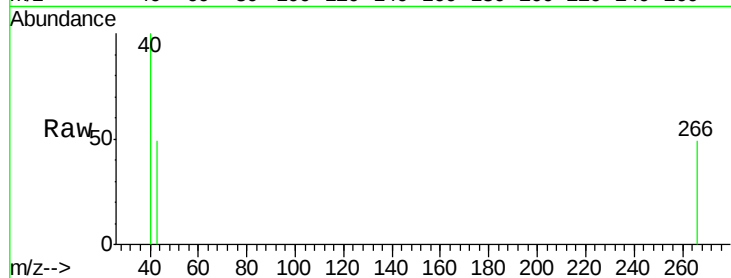




#69  
 Pentachlorophenol  
 Concen: 7.61 ng  
 RT: 17.36 min Scan# 1441  
 Delta R.T. 0.02 min  
 Lab File: BF077198.D  
 Acq: 5 Feb 2015 23:57

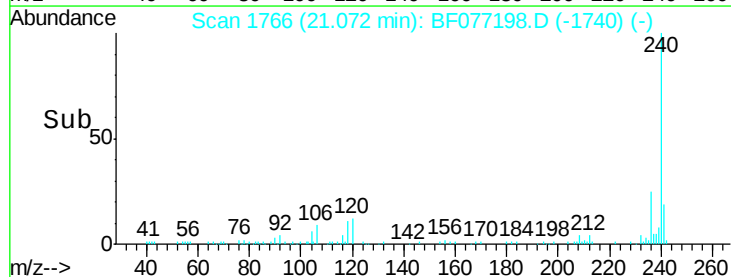
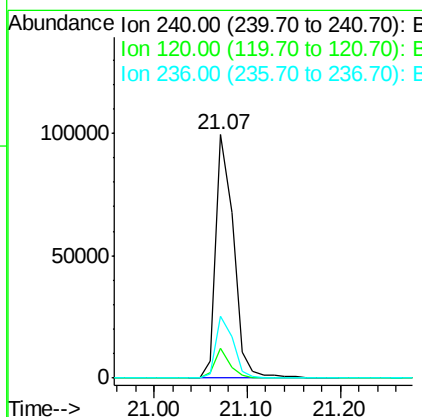
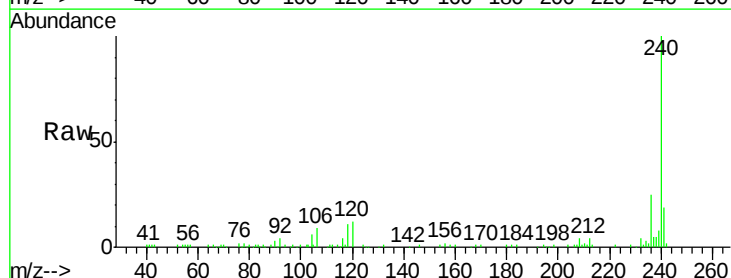
Instrument :  
 BNA\_F  
 ClientSampleId :

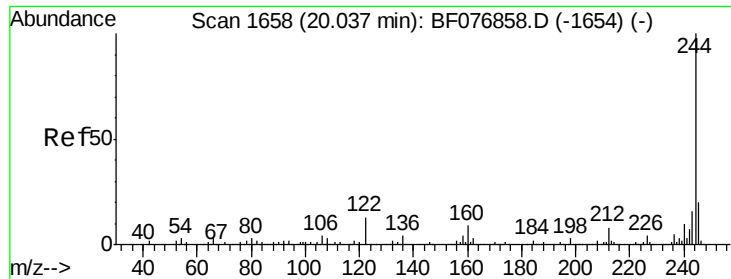
Tot Ion:266 Resp: 466  
 Ion Ratio Lower Upper  
 266 100  
 268 0.0 48.6 72.8#  
 264 0.0 49.5 74.3#



#75  
 Chrysene-d12  
 Concen: 20.00 ng  
 RT: 21.07 min Scan# 1766  
 Delta R.T. -0.00 min  
 Lab File: BF077198.D  
 Acq: 5 Feb 2015 23:57

Tgt Ion:240 Resp: 131133  
 Ion Ratio Lower Upper  
 240 100  
 120 12.2 10.4 15.6  
 236 25.2 20.2 30.2

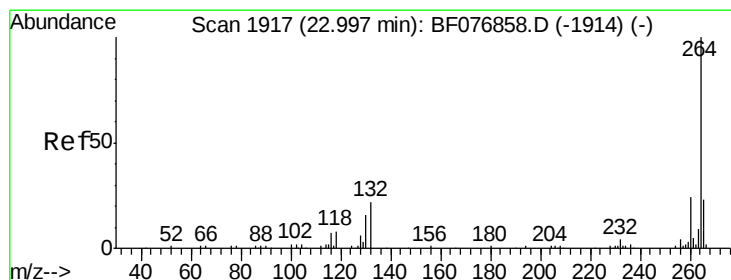
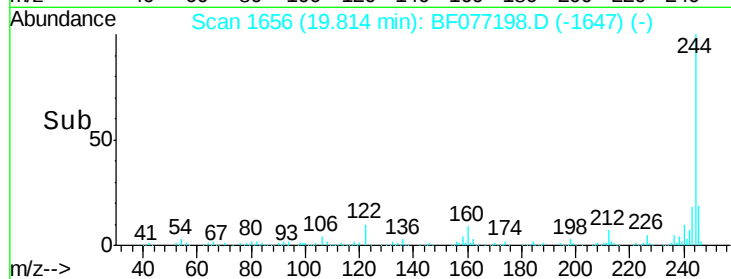
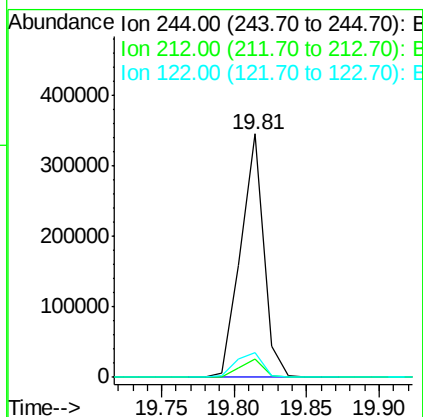
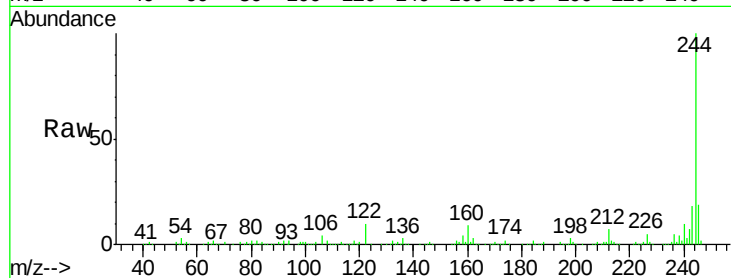




#78  
 Terphenyl-d14  
 Concen: 67.18 ng  
 RT: 19.81 min Scan# 1656  
 Delta R.T. -0.00 min  
 Lab File: BF077198.D  
 Acq: 5 Feb 2015 23:57

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:244 Resp: 382660  
 Ion Ratio Lower Upper  
 244 100  
 212 7.5 6.3 9.5  
 122 10.0 10.1 15.1#



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 22.74 min Scan# 1912  
 Delta R.T. 0.02 min  
 Lab File: BF077198.D  
 Acq: 5 Feb 2015 23:57

Tgt Ion:264 Resp: 124502  
 Ion Ratio Lower Upper  
 264 100  
 260 23.9 19.0 28.4  
 265 21.4 18.1 27.1

