

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051115\  
 Data File : BF079116.D  
 Acq On : 11 May 2015 15:22  
 Operator : TP/IZ  
 Sample : G2182-03  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 S32-0484

Quant Time: May 12 01:54:57 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue May 12 01:34:40 2015  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.30  | 152  | 54772    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.88  | 136  | 221691   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 11.05 | 164  | 114217   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 12.90 | 188  | 223402   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 16.22 | 240  | 242096   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12            | 18.05 | 264  | 252449   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.59  | 112  | 197961   | 62.21  | ng    | 0.00     |
| 7) Phenol-d6                | 6.86  | 99   | 159856   | 38.01  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.99  | 82   | 353230   | 91.57  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 12.03 | 330  | 181196   | 146.64 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 10.22 | 172  | 707943   | 86.35  | ng    | -0.01    |
| 78) Terphenyl-d14           | 14.90 | 244  | 819370   | 81.03  | ng    | 0.00     |

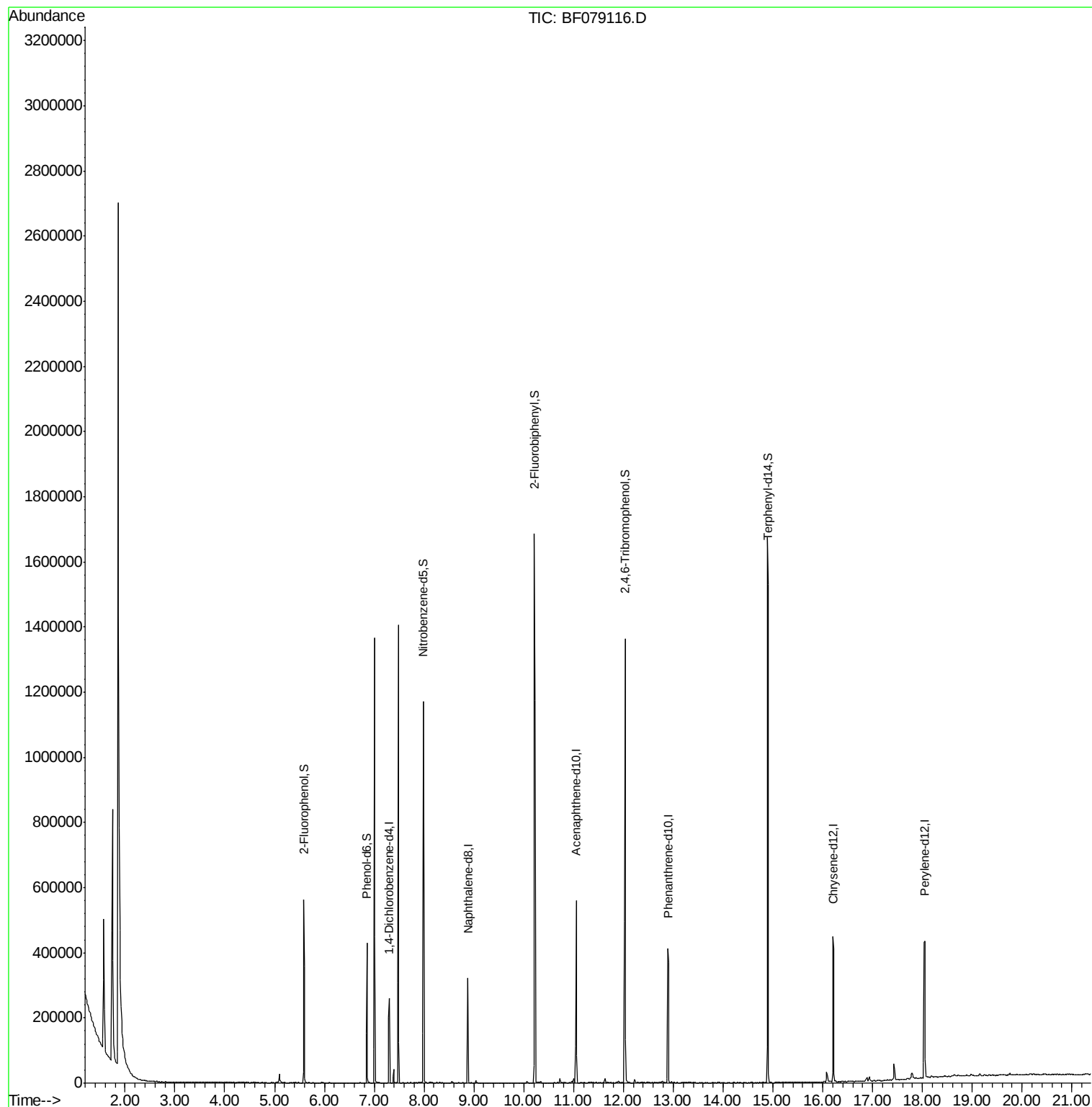
Target Compounds Qvalue

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

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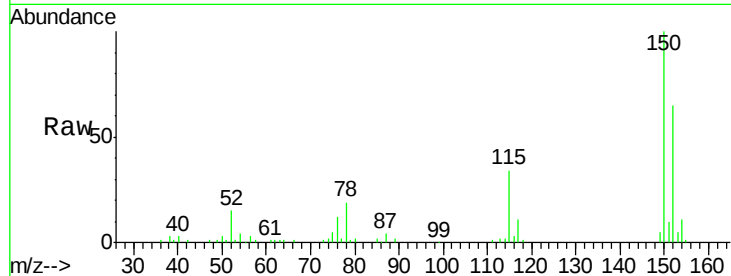


#1

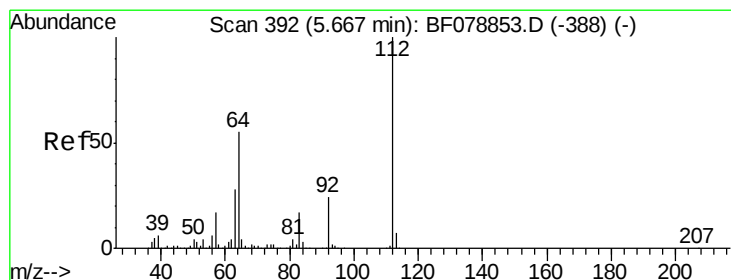
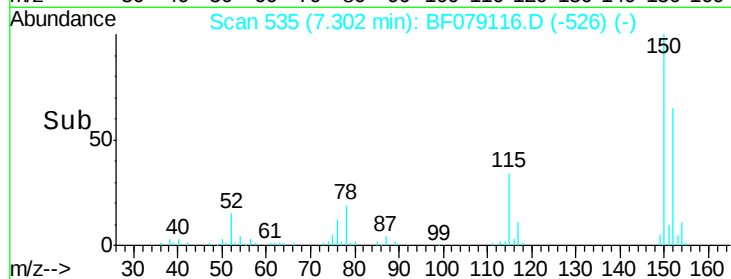
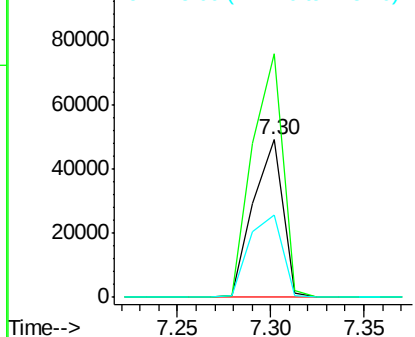
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 7.30 min Scan# 535  
Delta R.T. 0.00 min  
Lab File: BF079116.D  
Acq: 11 May 2015 15:22

Instrument :  
BNA\_F  
ClientSampleId :  
S32-0484

Tot Ion:152 Resp: 54772  
Ion Ratio Lower Upper  
152 100  
150 154.6 122.0 183.0  
115 52.7 46.3 69.5



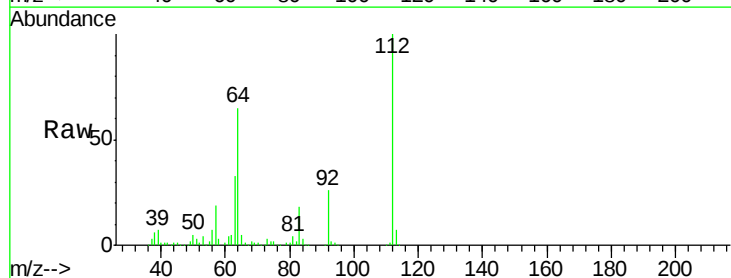
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



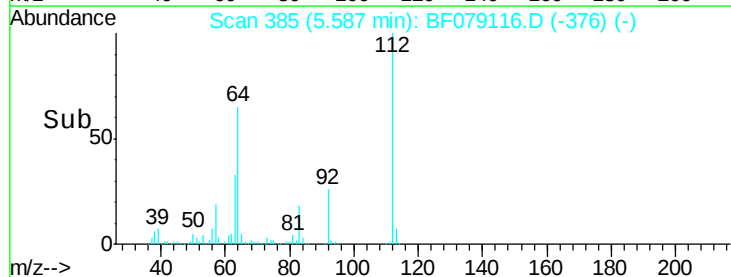
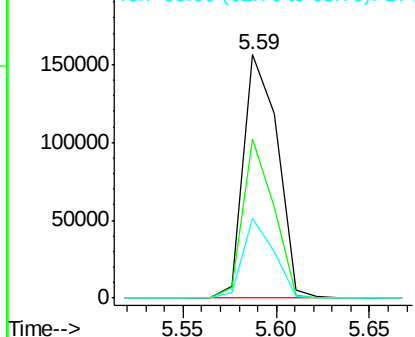
#5

2-Fluorophenol  
Concen: 62.21 ng  
RT: 5.59 min Scan# 385  
Delta R.T. 0.00 min  
Lab File: BF079116.D  
Acq: 11 May 2015 15:22

Tgt Ion:112 Resp: 197961  
Ion Ratio Lower Upper  
112 100  
64 65.3 53.5 80.3  
63 32.9 27.5 41.3



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: 38.01 ng

RT: 6.86 min Scan# 496

Delta R.T. 0.00 min

Lab File: BF079116.D

Acq: 11 May 2015 15:22

Instrument :

BNA\_F

ClientSampleId :

S32-0484

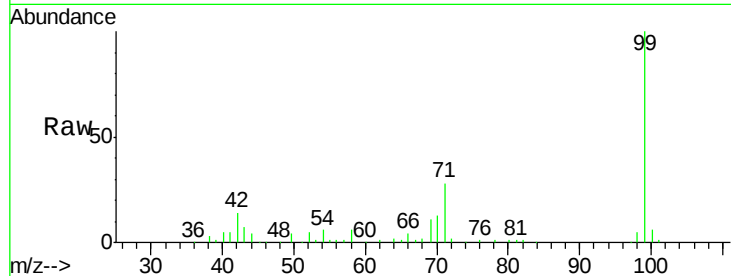
Tot Ion: 99 Resp: 159856

Ion Ratio Lower Upper

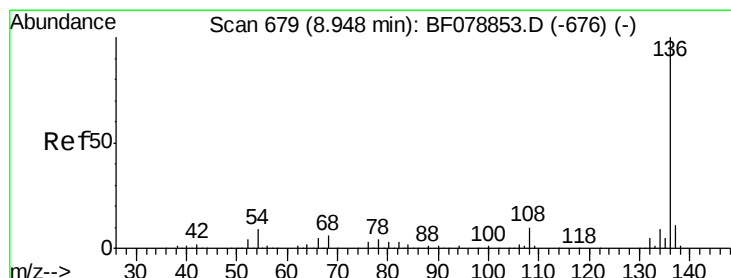
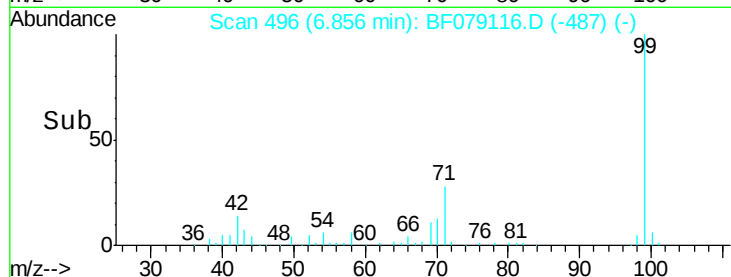
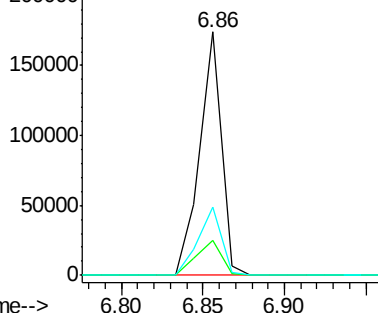
99 100

42 14.5 12.8 19.2

71 27.9 23.4 35.2



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: 8.88 min Scan# 673

Delta R.T. 0.00 min

Lab File: BF079116.D

Acq: 11 May 2015 15:22

Tgt Ion: 136 Resp: 221691

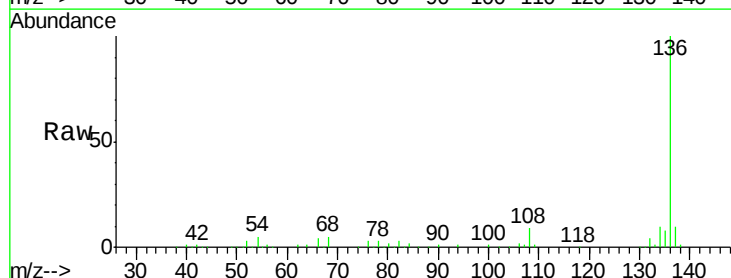
Ion Ratio Lower Upper

136 100

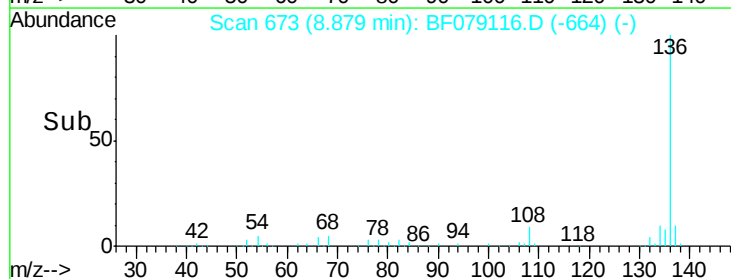
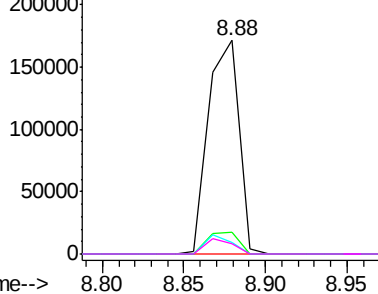
137 10.0 8.7 13.1

54 5.5 5.8 8.8#

68 4.6 4.2 6.4



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

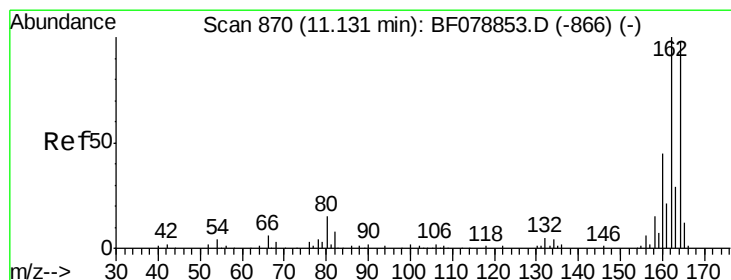
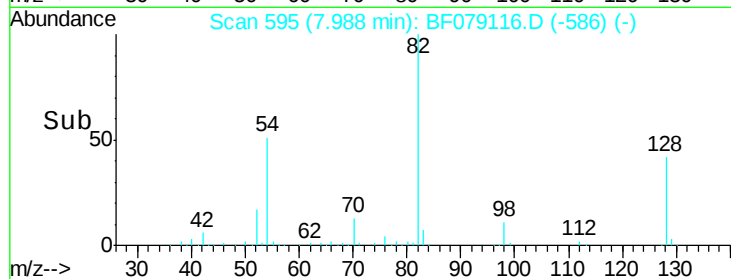
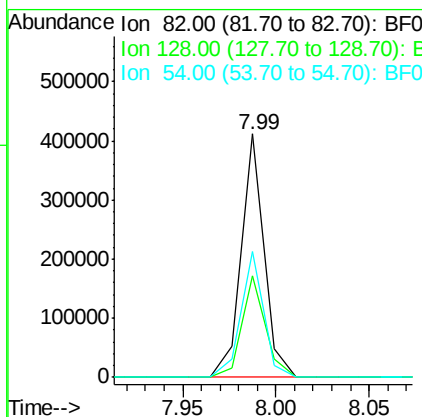
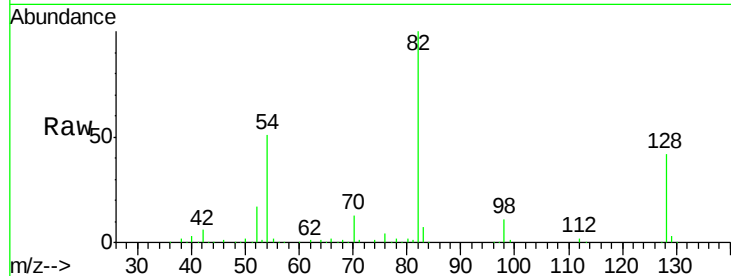




#23  
 Nitrobenzene-d5  
 Concen: 91.57 ng  
 RT: 7.99 min Scan# 595  
 Delta R.T. 0.00 min  
 Lab File: BF079116.D  
 Acq: 11 May 2015 15:22

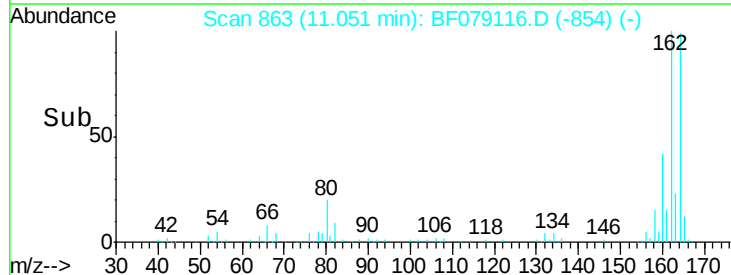
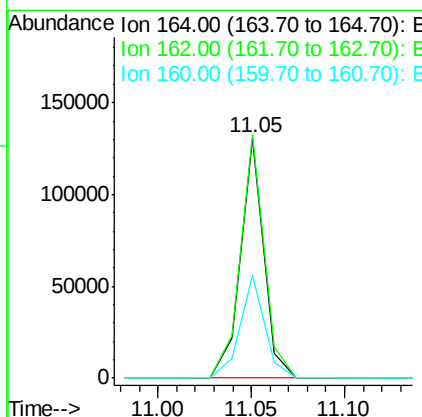
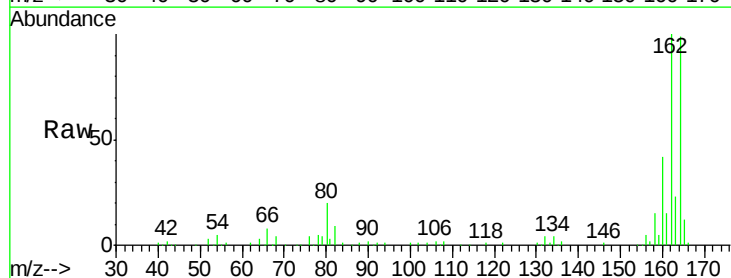
Instrument :  
 BNA\_F  
 ClientSampleId :  
 S32-0484

| Tot Ion   | 82    | Resp  | 353230 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 41.8  | 30.0  | 45.0   |
| 54        | 51.4  | 46.4  | 69.6   |



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 11.05 min Scan# 863  
 Delta R.T. 0.00 min  
 Lab File: BF079116.D  
 Acq: 11 May 2015 15:22

| Tgt Ion   | 164   | Resp  | 114217 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 162       | 101.5 | 82.7  | 124.1  |
| 160       | 43.0  | 35.8  | 53.8   |

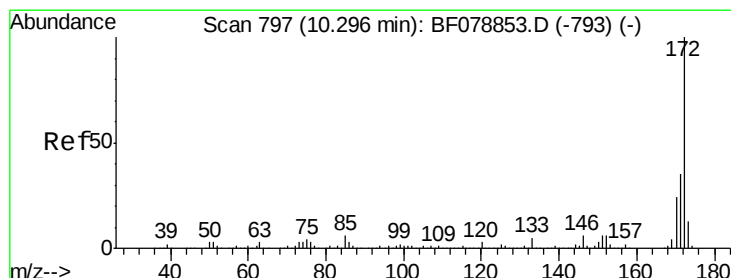
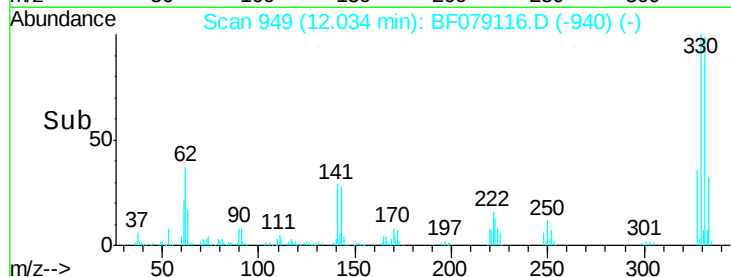
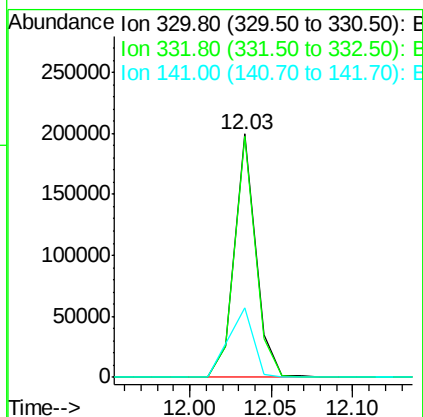
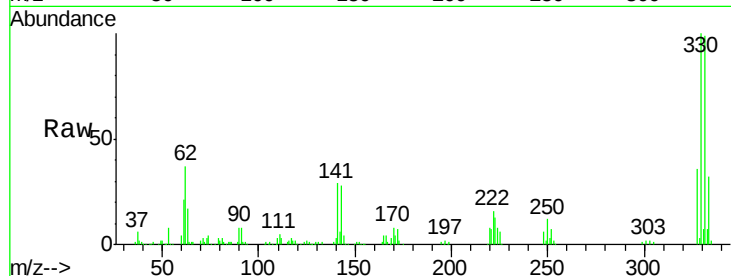




#41  
 2,4,6-Tribromophenol  
 Concen: 146.64 ng  
 RT: 12.03 min Scan# 949  
 Delta R.T. 0.00 min  
 Lab File: BF079116.D  
 Acq: 11 May 2015 15:22

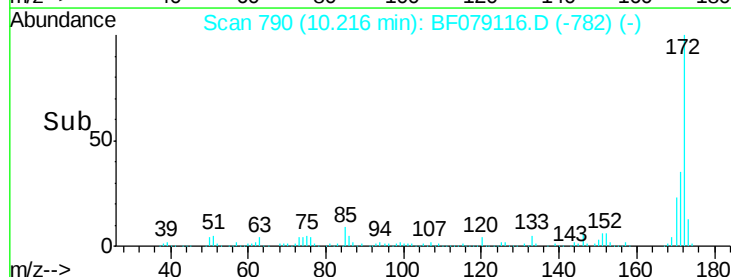
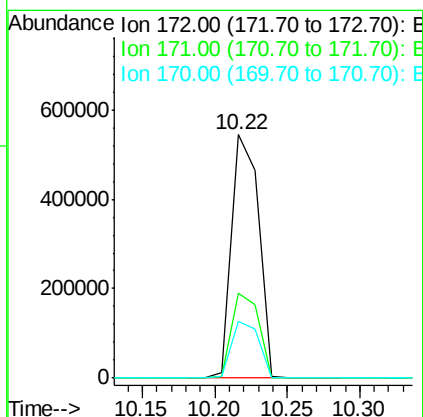
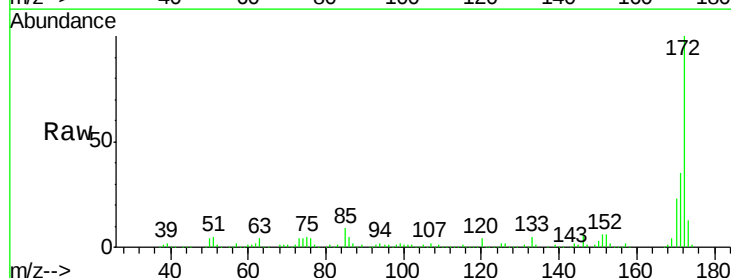
Instrument :  
 BNA\_F  
 ClientSampleId :  
 S32-0484

Tot Ion:330 Resp: 181196  
 Ion Ratio Lower Upper  
 330 100  
 332 97.9 0.0 0.0#  
 141 33.5 0.0 0.0#



#44  
 2-Fluorobiphenyl  
 Concen: 86.35 ng  
 RT: 10.22 min Scan# 790  
 Delta R.T. -0.01 min  
 Lab File: BF079116.D  
 Acq: 11 May 2015 15:22

Tgt Ion:172 Resp: 707943  
 Ion Ratio Lower Upper  
 172 100  
 171 34.7 27.9 41.9  
 170 23.3 19.4 29.0

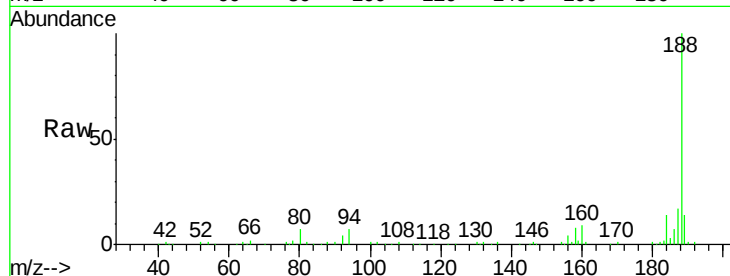




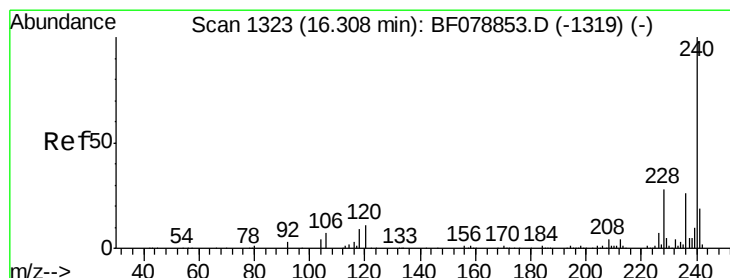
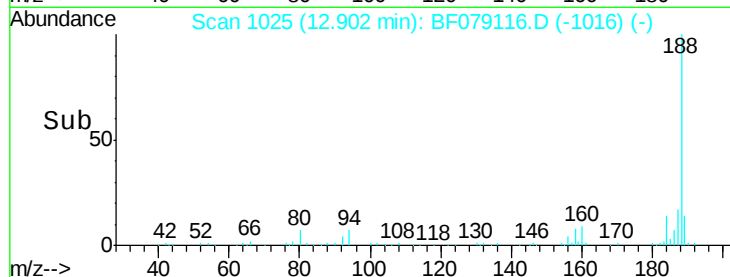
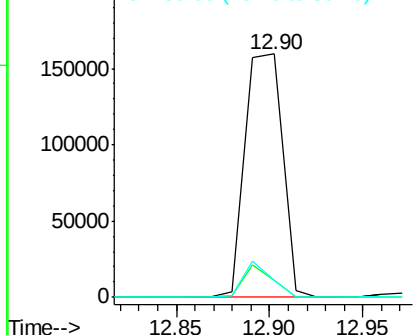
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 12.90 min Scan# 1025  
Delta R.T. 0.00 min  
Lab File: BF079116.D  
Acq: 11 May 2015 15:22

Instrument :  
BNA\_F  
ClientSampleId :  
S32-0484

Tot Ion:188 Resp: 223402  
Ion Ratio Lower Upper  
188 100  
94 7.1 8.2 12.2#  
80 6.9 8.9 13.3#

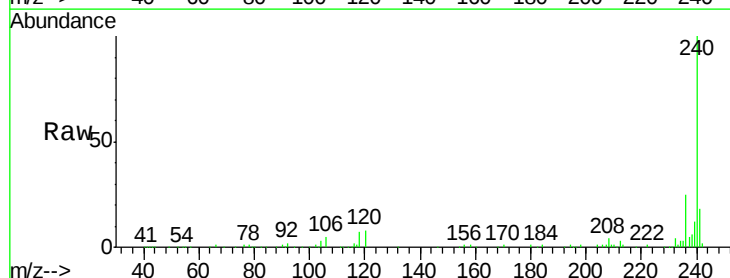


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

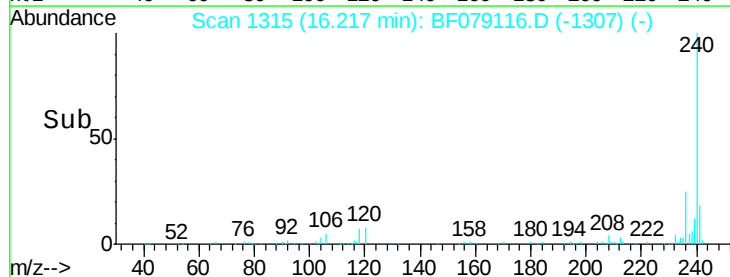
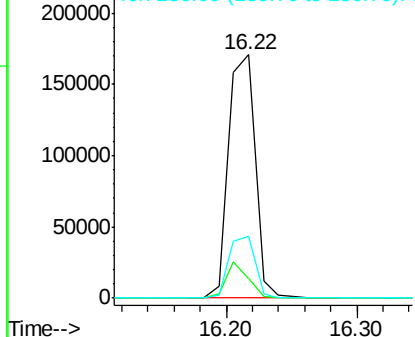


#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 16.22 min Scan# 1315  
Delta R.T. -0.01 min  
Lab File: BF079116.D  
Acq: 11 May 2015 15:22

Tgt Ion:240 Resp: 242096  
Ion Ratio Lower Upper  
240 100  
120 8.0 9.7 14.5#  
236 25.5 20.2 30.4



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

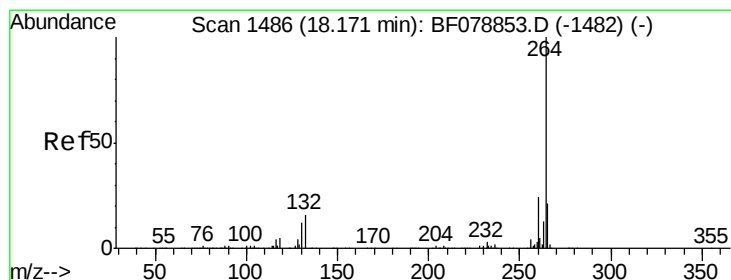
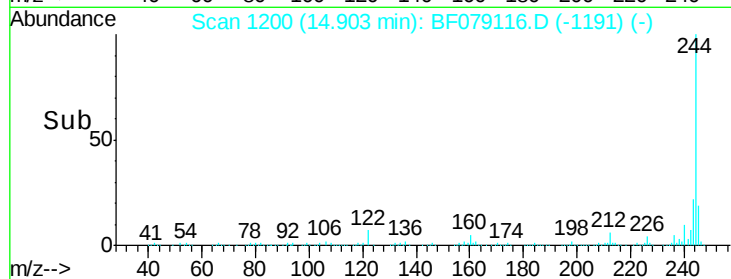
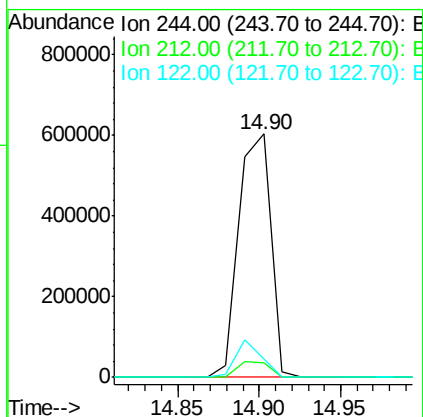
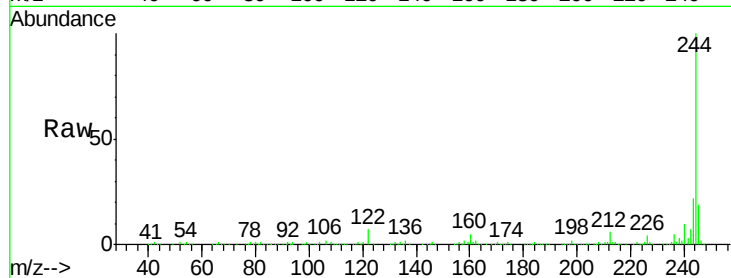




#78  
 Terphenyl-d14  
 Concen: 81.03 ng  
 RT: 14.90 min Scan# 1200  
 Delta R.T. 0.00 min  
 Lab File: BF079116.D  
 Acq: 11 May 2015 15:22

Instrument :  
 BNA\_F  
 ClientSampleId :  
 S32-0484

Tot Ion:244 Resp: 819370  
 Ion Ratio Lower Upper  
 244 100  
 212 6.0 5.6 8.4  
 122 7.3 10.3 15.5#



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 18.05 min Scan# 1475  
 Delta R.T. -0.01 min  
 Lab File: BF079116.D  
 Acq: 11 May 2015 15:22

Tgt Ion:264 Resp: 252449  
 Ion Ratio Lower Upper  
 264 100  
 260 23.5 19.4 29.2  
 265 21.5 18.3 27.5

