

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050517\  
 Data File : BF094944.D  
 Acq On : 6 May 2017 5:52  
 Operator : SJ/MA  
 Sample : PB98586BL  
 Misc :  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: May 08 01:35:11 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed May 03 17:24:51 2017  
 Response via : Initial Calibration

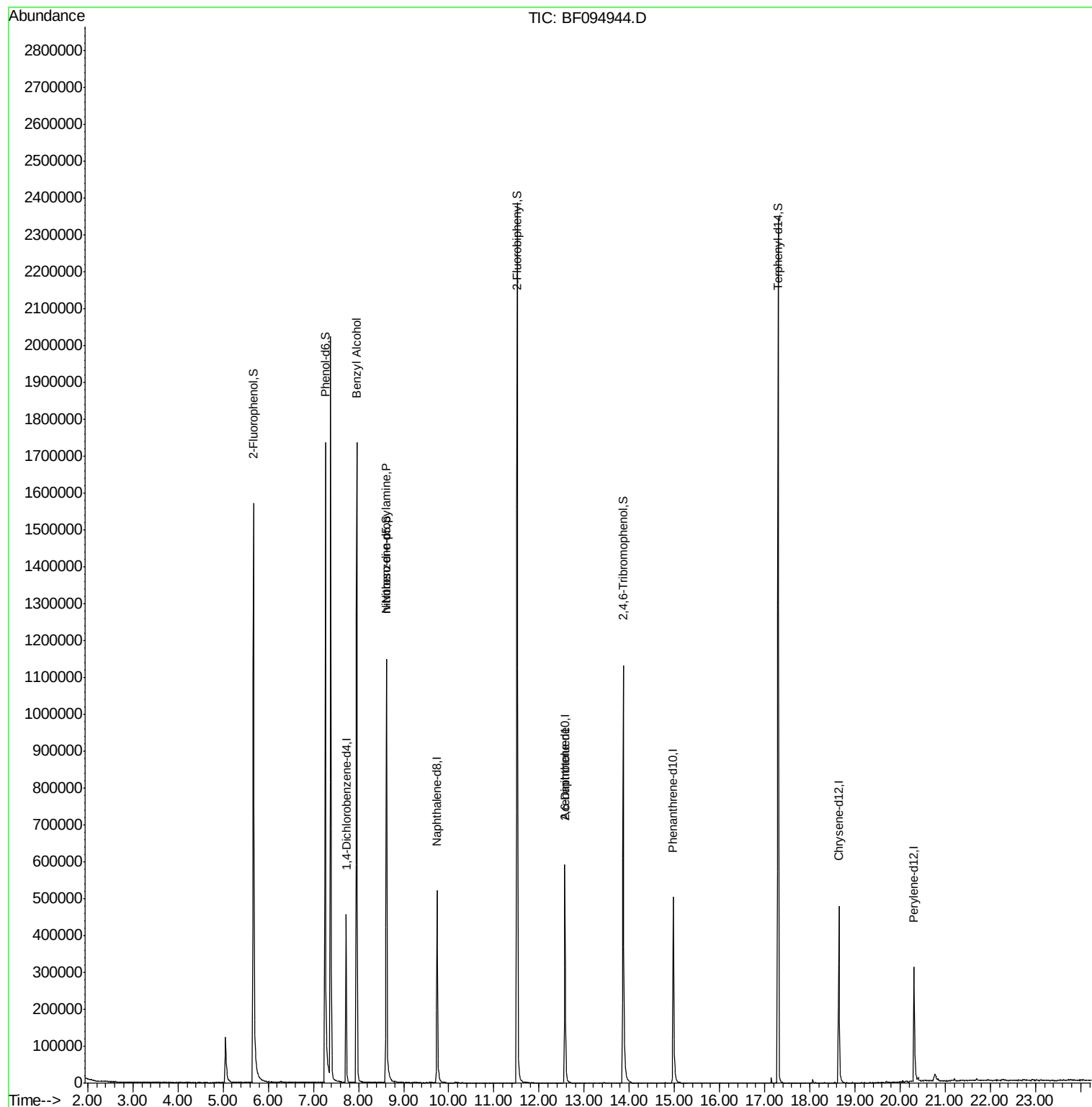
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.72  | 152  | 97514    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 9.74  | 136  | 403025   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10           | 12.57 | 164  | 193324   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10           | 14.97 | 188  | 347017   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12               | 18.64 | 240  | 263439   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12               | 20.31 | 264  | 187399   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.67  | 112  | 764152   | 130.65 | ng    | 0.00     |
| 7) Phenol-d6                   | 7.27  | 99   | 962042   | 137.09 | ng    | -0.01    |
| 23) Nitrobenzene-d5            | 8.62  | 82   | 567134   | 88.74  | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol       | 13.87 | 330  | 217081   | 137.11 | ng    | -0.02    |
| 44) 2-Fluorobiphenyl           | 11.52 | 172  | 1155499  | 86.03  | ng    | -0.01    |
| 78) Terphenyl-d14              | 17.30 | 244  | 934301   | 78.12  | ng    | -0.01    |
| Target Compounds               |       |      |          |        |       |          |
| 15) Benzyl Alcohol             | 7.96  | 79   | 9366     | 2.07   | ng    | # 47     |
| 19) n-Nitroso-di-n-propylamine | 8.62  | 70   | 72938    | 15.37  | ng    | # 78     |
| 50) 2,6-Dinitrotoluene         | 12.57 | 165  | 18340    | 5.66   | ng    | # 31     |

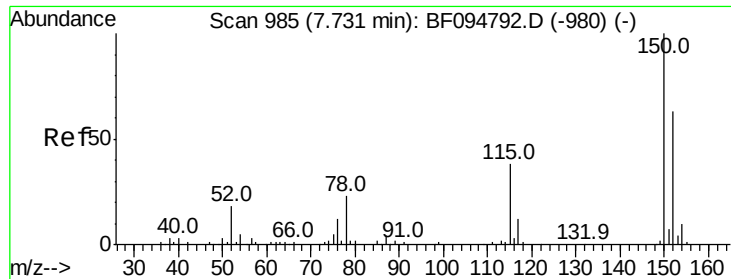
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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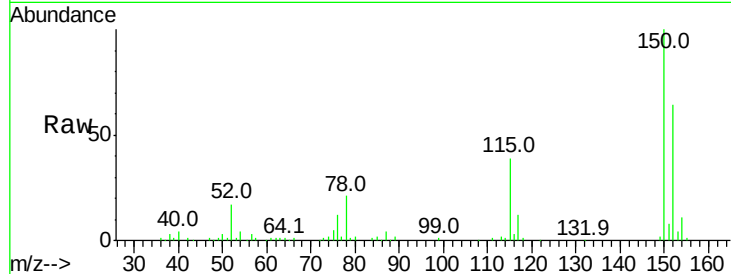


#1

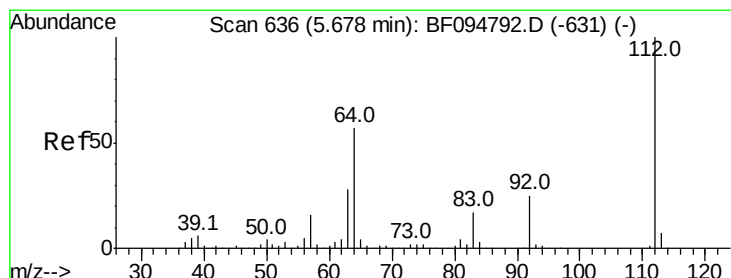
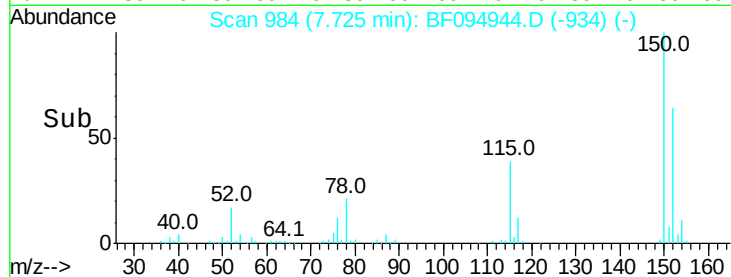
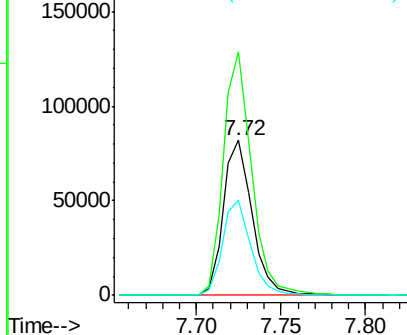
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 7.72 min Scan# 984  
Delta R.T. -0.01 min  
Lab File: BF094944.D  
Acq: 6 May 2017 5:52

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:152 Resp: 97514  
Ion Ratio Lower Upper  
152 100  
150 157.0 126.2 189.2  
115 61.7 52.2 78.2



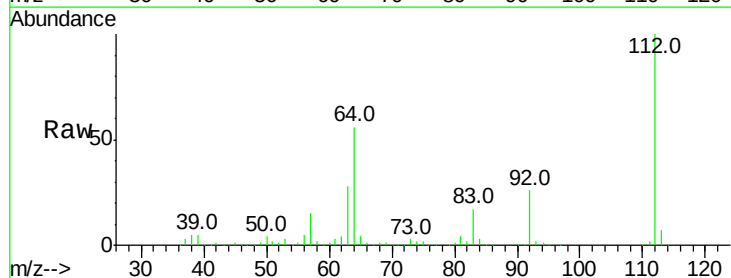
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



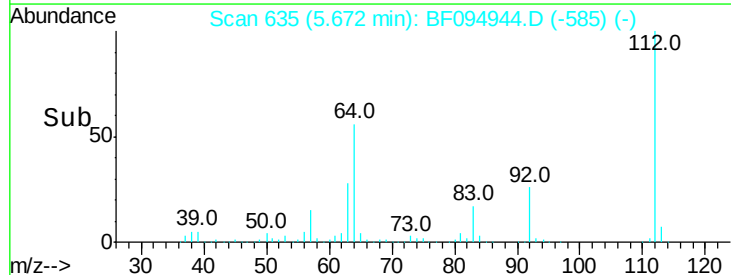
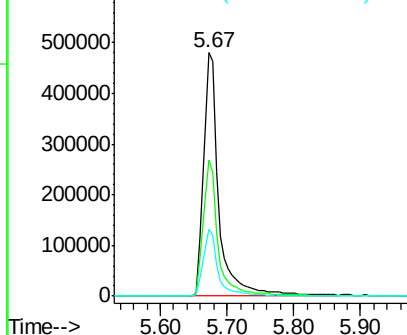
#5

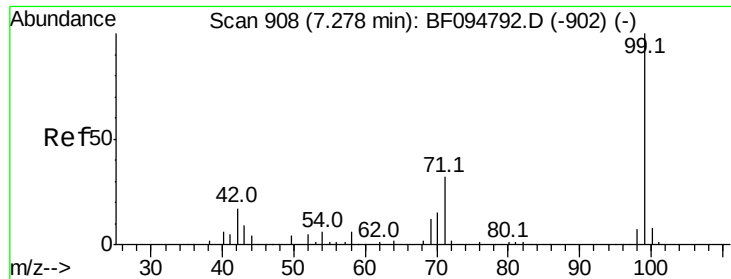
2-Fluorophenol  
Concen: 130.65 ng  
RT: 5.67 min Scan# 635  
Delta R.T. -0.01 min  
Lab File: BF094944.D  
Acq: 6 May 2017 5:52

Tgt Ion:112 Resp: 764152  
Ion Ratio Lower Upper  
112 100  
64 56.1 46.0 69.0  
63 27.8 23.4 35.0



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: 137.09 ng

RT: 7.27 min Scan# 906

Delta R.T. -0.01 min

Lab File: BF094944.D

Acq: 6 May 2017 5:52

Instrument :

BNA\_F

ClientSampleId :

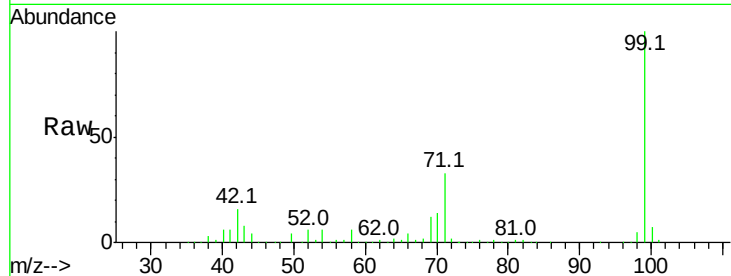
Tot Ion: 99 Resp: 962042

Ion Ratio Lower Upper

99 100

42 16.0 13.5 20.3

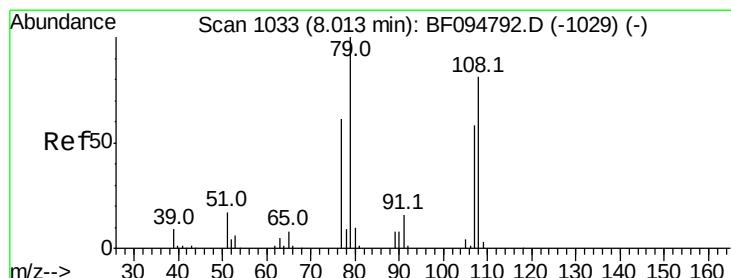
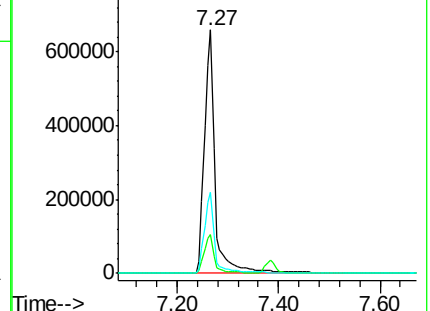
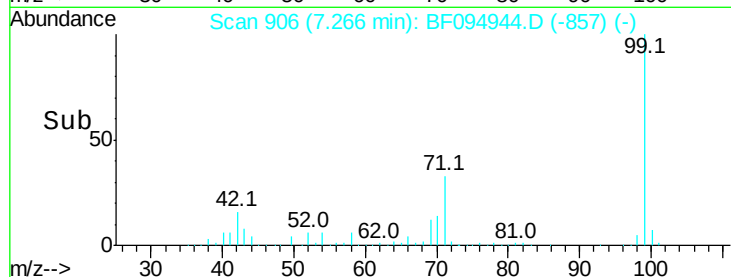
71 33.4 24.5 36.7



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



#15

Benzyl Alcohol

Concen: 2.07 ng

RT: 7.96 min Scan# 1024

Delta R.T. -0.05 min

Lab File: BF094944.D

Acq: 6 May 2017 5:52

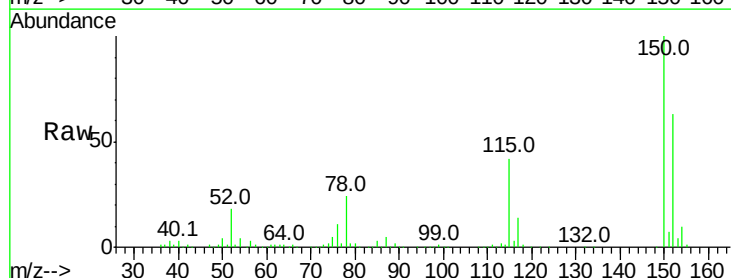
Tgt Ion: 79 Resp: 9366

Ion Ratio Lower Upper

79 100

108 29.7 63.4 95.0#

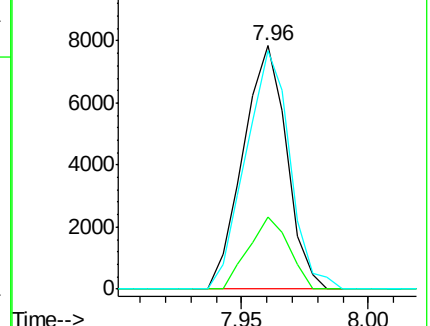
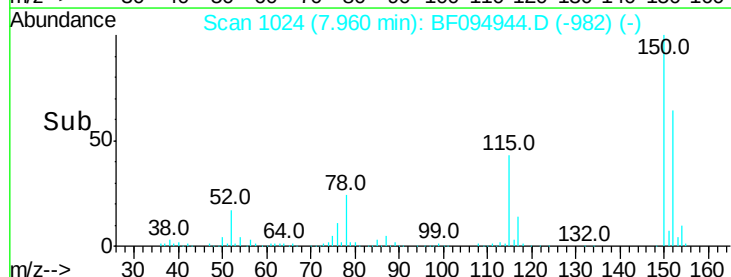
77 98.1 49.2 73.8#

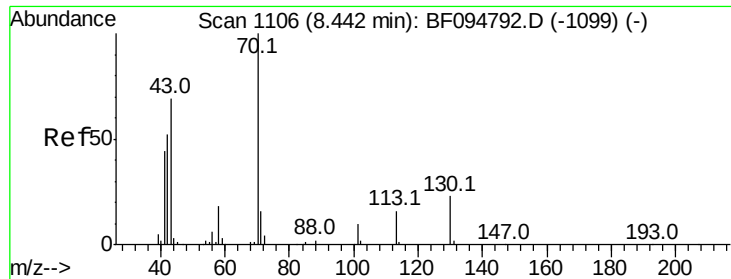


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

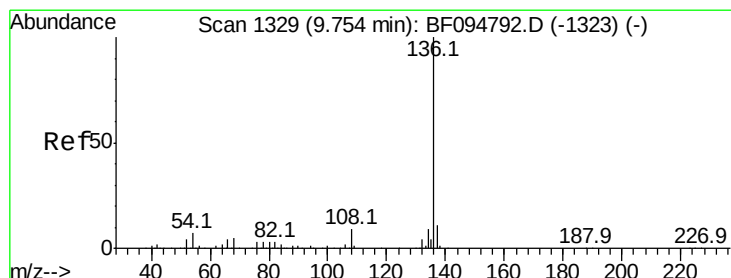
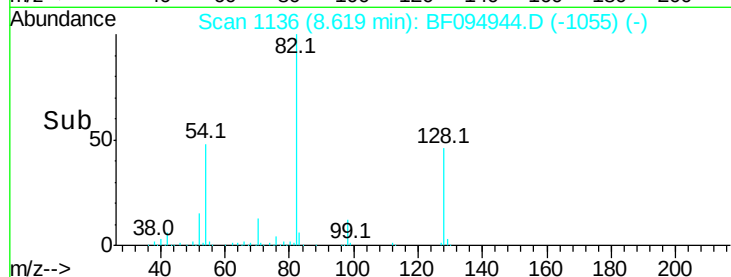
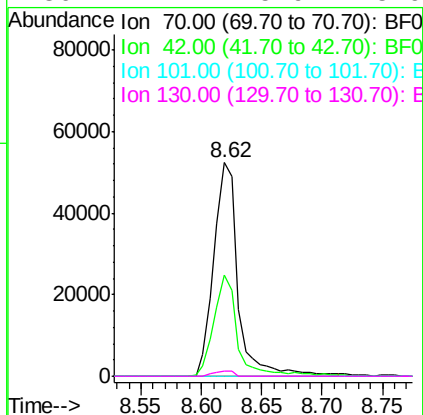
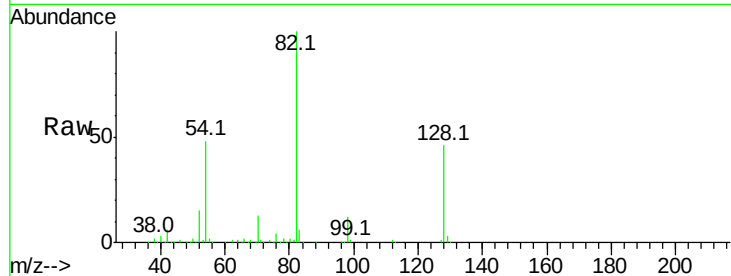




#19  
n-Nitroso-di-n-propylamine  
Concen: 15.37 ng  
RT: 8.62 min Scan# 1136  
Delta R.T. 0.18 min  
Lab File: BF094944.D  
Acq: 6 May 2017 5:52

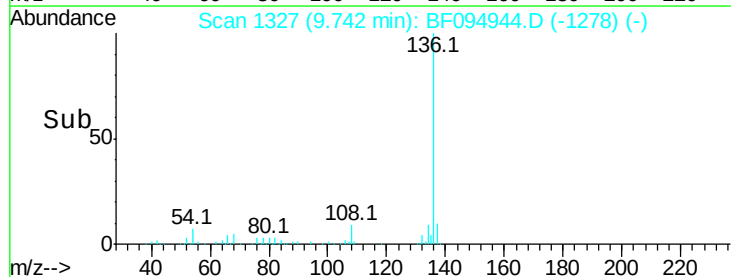
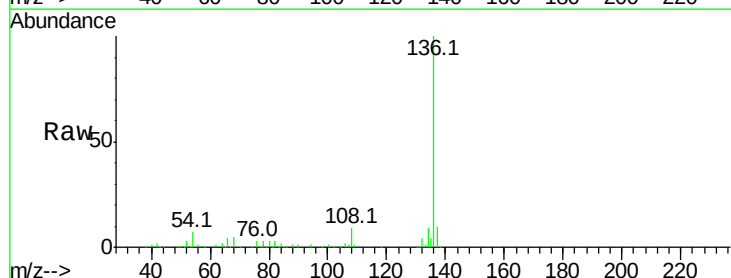
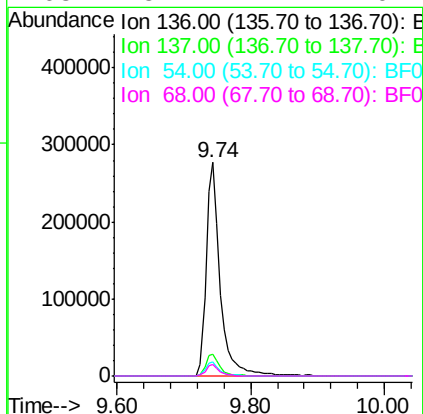
Instrument :  
BNA\_F  
ClientSampleId :

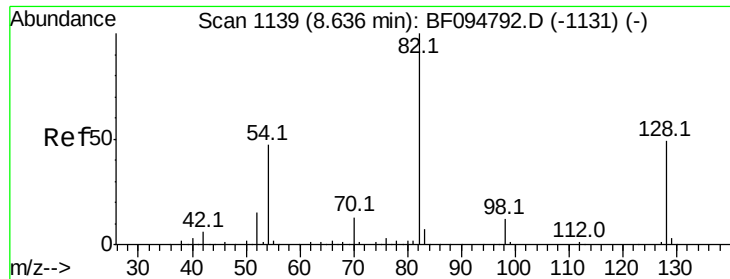
Tot Ion: 70 Resp: 72938  
Ion Ratio Lower Upper  
70 100  
42 47.1 47.2 70.8#  
101 0.0 7.2 10.8#  
130 2.2 15.9 23.9#



#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 9.74 min Scan# 1327  
Delta R.T. -0.01 min  
Lab File: BF094944.D  
Acq: 6 May 2017 5:52

Tgt Ion:136 Resp: 403025  
Ion Ratio Lower Upper  
136 100  
137 10.5 8.5 12.7  
54 6.7 4.9 7.3  
68 5.2 4.1 6.1

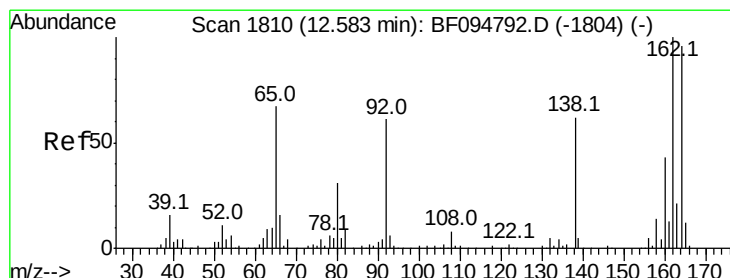
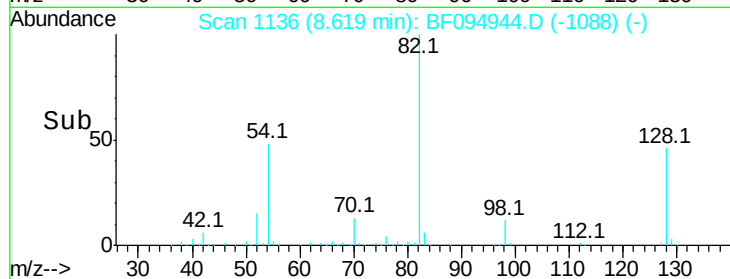
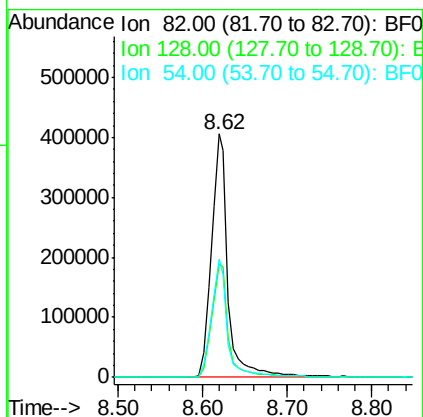
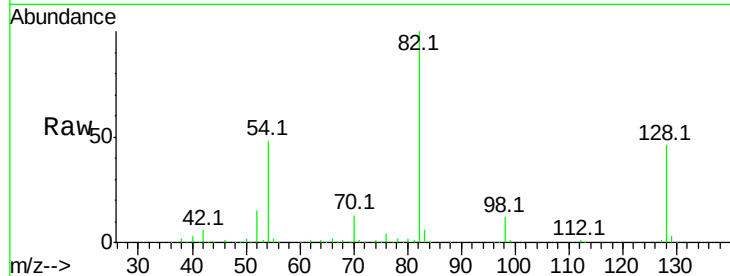




#23  
 Nitrobenzene-d5  
 Concen: 88.74 ng  
 RT: 8.62 min Scan# 1136  
 Delta R.T. -0.02 min  
 Lab File: BF094944.D  
 Acq: 6 May 2017 5:52

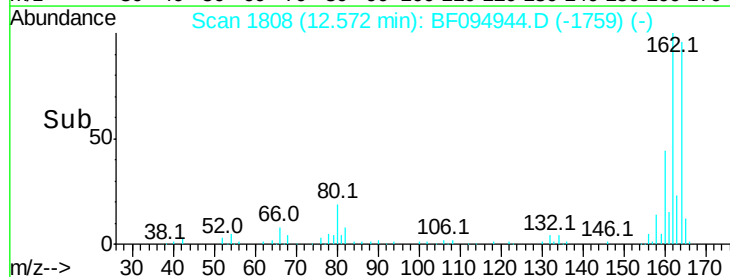
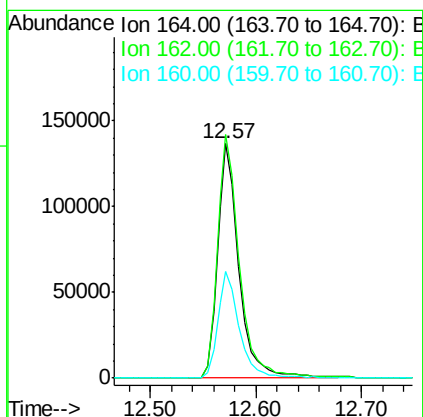
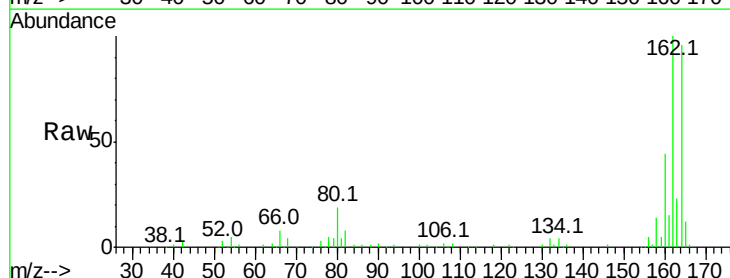
Instrument :  
 BNA\_F  
 ClientSampled :

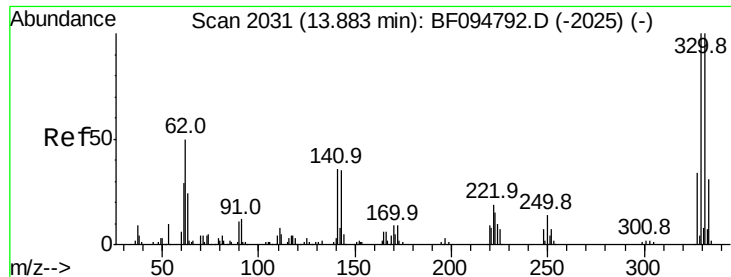
Tot Ion: 82 Resp: 567134  
 Ion Ratio Lower Upper  
 82 100  
 128 46.3 34.0 51.0  
 54 48.5 42.2 63.2



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 12.57 min Scan# 1808  
 Delta R.T. -0.01 min  
 Lab File: BF094944.D  
 Acq: 6 May 2017 5:52

Tgt Ion: 164 Resp: 193324  
 Ion Ratio Lower Upper  
 164 100  
 162 103.9 82.6 123.8  
 160 45.4 36.2 54.2

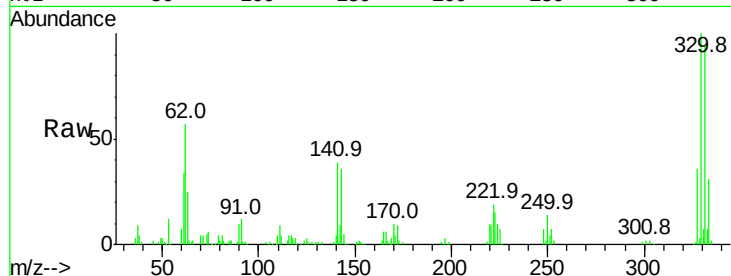




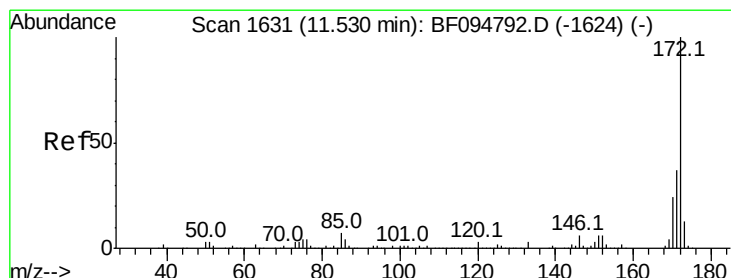
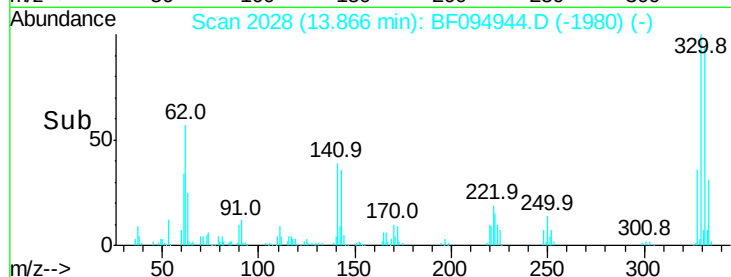
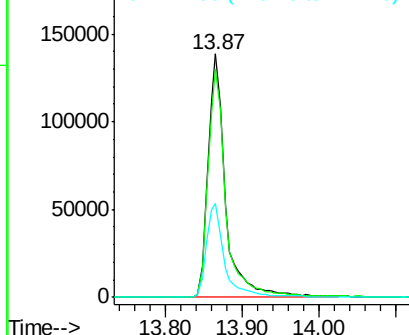
#41  
 2,4,6-Tribromophenol  
 Concen: 137.11 ng  
 RT: 13.87 min Scan# 2028  
 Delta R.T. -0.02 min  
 Lab File: BF094944.D  
 Acq: 6 May 2017 5:52

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:330 Resp: 217081  
 Ion Ratio Lower Upper  
 330 100  
 332 95.3 76.6 115.0  
 141 39.4 31.4 47.2

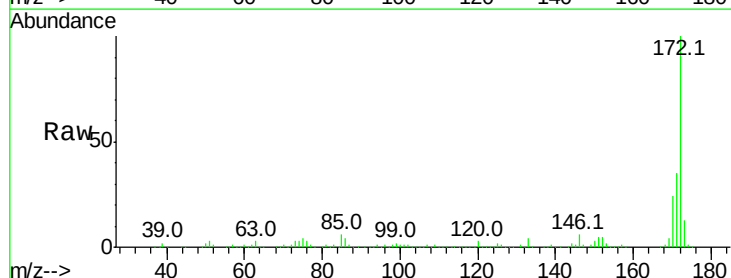


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

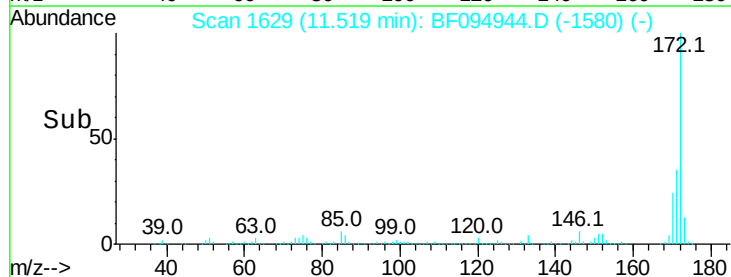
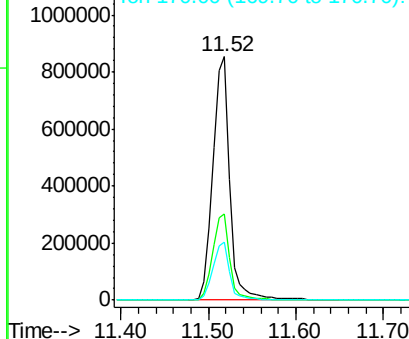


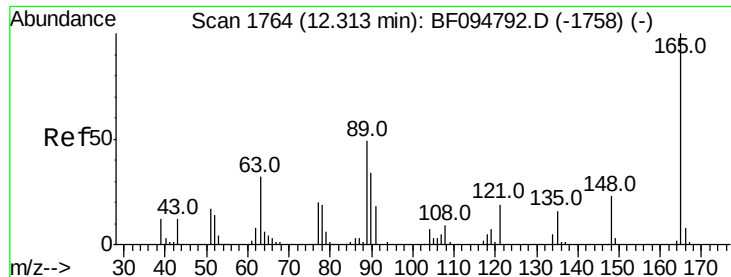
#44  
 2-Fluorobiphenyl  
 Concen: 86.03 ng  
 RT: 11.52 min Scan# 1629  
 Delta R.T. -0.01 min  
 Lab File: BF094944.D  
 Acq: 6 May 2017 5:52

Tgt Ion:172 Resp: 1155499  
 Ion Ratio Lower Upper  
 172 100  
 171 35.4 29.6 44.4  
 170 23.9 19.8 29.8



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

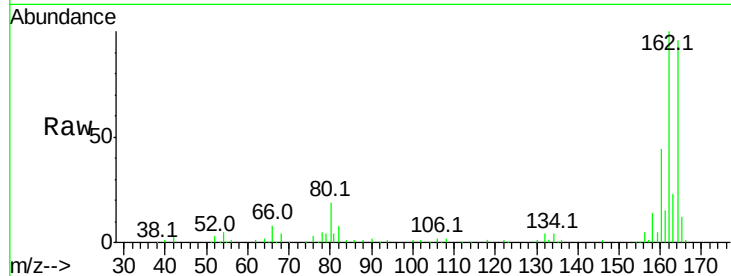




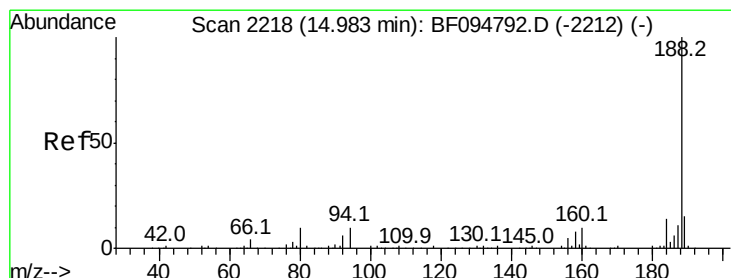
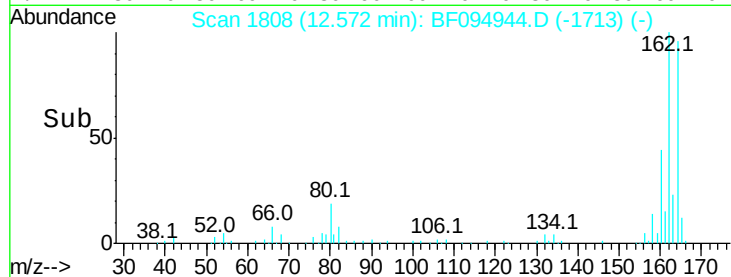
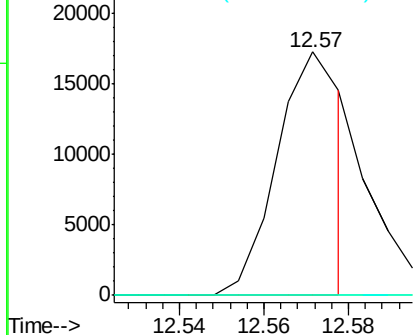
#50  
 2,6-Dinitrotoluene  
 Concen: 5.66 ng  
 RT: 12.57 min Scan# 1808  
 Delta R.T. 0.26 min  
 Lab File: BF094944.D  
 Acq: 6 May 2017 5:52

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:165 Resp: 18340  
 Ion Ratio Lower Upper  
 165 100  
 63 0.0 34.3 51.5#  
 89 0.0 37.1 55.7#

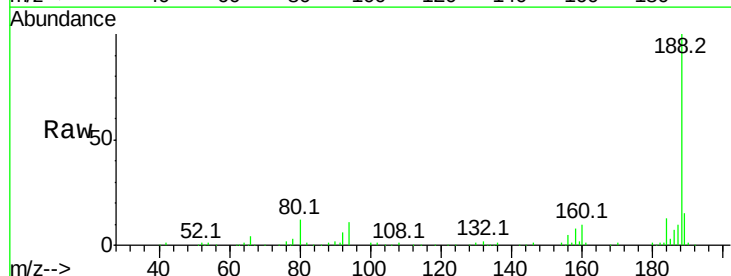


Abundance Ion 165.00 (164.70 to 165.70): E  
 Ion 63.00 (62.70 to 63.70): BF0  
 Ion 89.00 (88.70 to 89.70): BF0

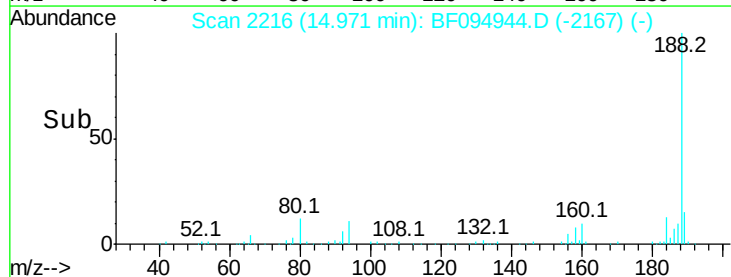
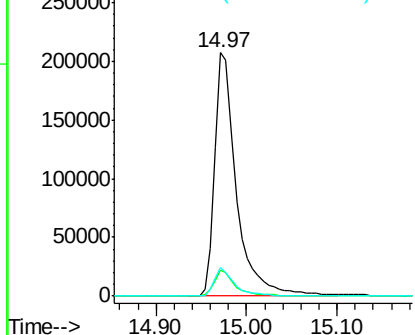


#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 14.97 min Scan# 2216  
 Delta R.T. -0.01 min  
 Lab File: BF094944.D  
 Acq: 6 May 2017 5:52

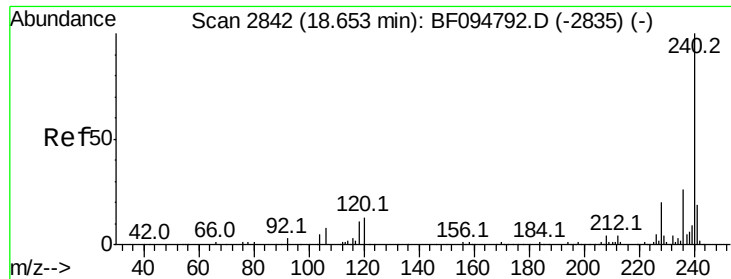
Tgt Ion:188 Resp: 347017  
 Ion Ratio Lower Upper  
 188 100  
 94 10.9 9.4 14.2  
 80 11.8 10.2 15.2



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



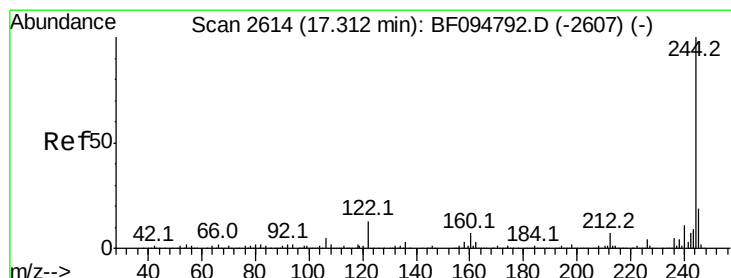
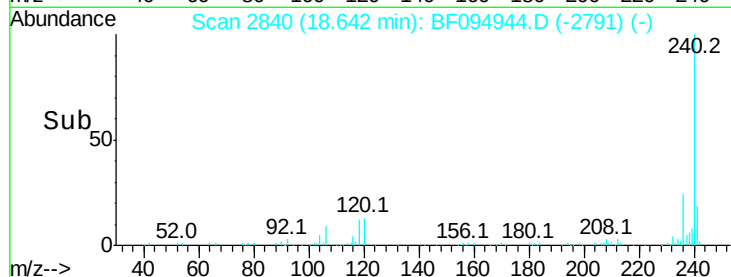
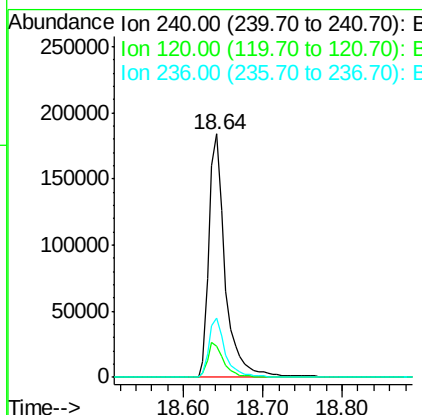
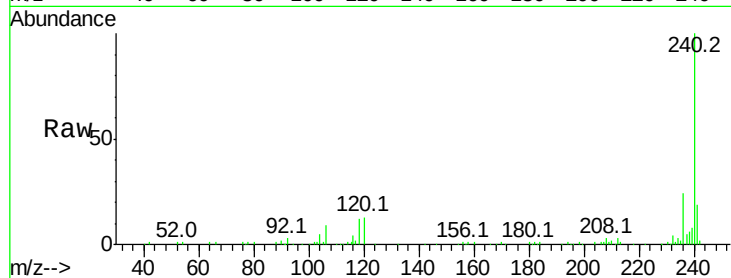




#75  
 Chrysene-d12  
 Concen: 20.00 ng  
 RT: 18.64 min Scan# 2840  
 Delta R.T. -0.01 min  
 Lab File: BF094944.D  
 Acq: 6 May 2017 5:52

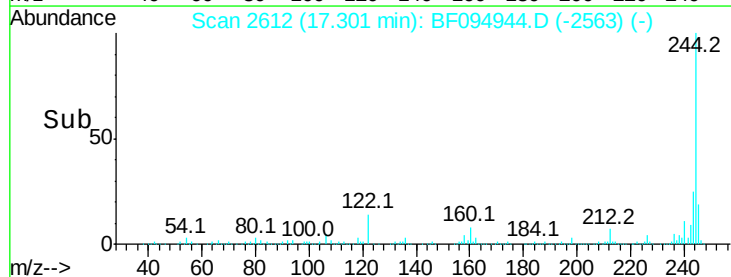
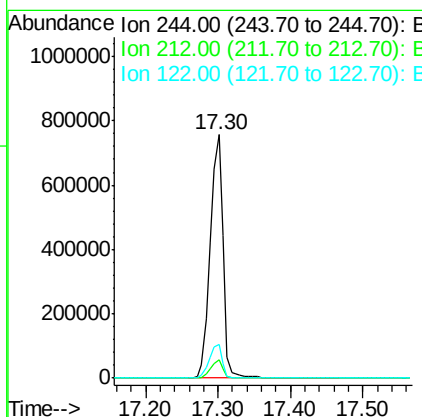
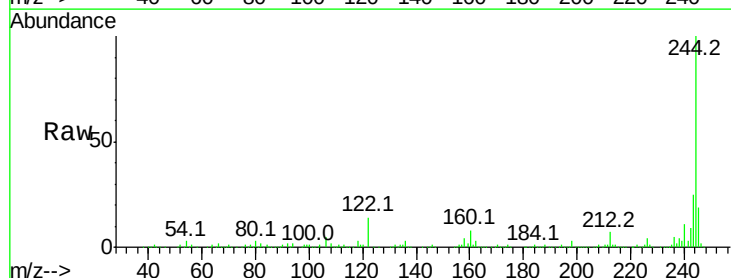
Instrument :  
 BNA\_F  
 ClientSampleId :

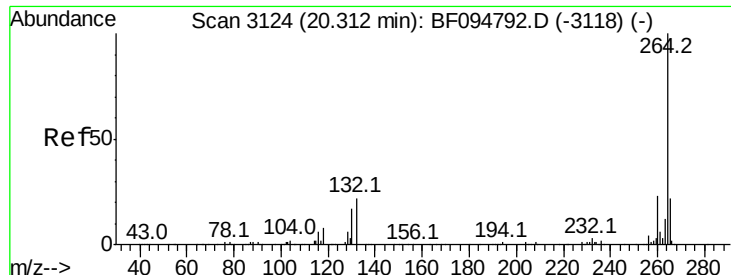
Tot Ion:240 Resp: 263439  
 Ion Ratio Lower Upper  
 240 100  
 120 12.9 5.8 8.8#  
 236 24.1 20.5 30.7



#78  
 Terphenyl-d14  
 Concen: 78.12 ng  
 RT: 17.30 min Scan# 2612  
 Delta R.T. -0.01 min  
 Lab File: BF094944.D  
 Acq: 6 May 2017 5:52

Tgt Ion:244 Resp: 934301  
 Ion Ratio Lower Upper  
 244 100  
 212 7.3 6.0 9.0  
 122 13.7 10.3 15.5

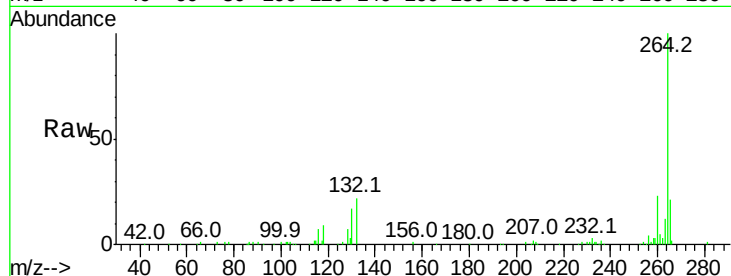




#86  
Pervlene-d12  
Concen: 20.00 ng  
RT: 20.31 min Scan# 3123  
Delta R.T. -0.01 min  
Lab File: BF094944.D  
Acq: 6 May 2017 5:52

Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.2  | 19.5  | 29.3  |
| 265     | 21.5  | 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

