

Data Path : Z:\HPCHEM1\BNA F\DATA\BF053117\  
 Data File : BF095587.D  
 Acq On : 1 Jun 2017 5:25  
 Operator : SJ/MA  
 Sample : I3354-01  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Jun 01 07:42:22 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jun 01 04:09:22 2017  
 Response via : Initial Calibration

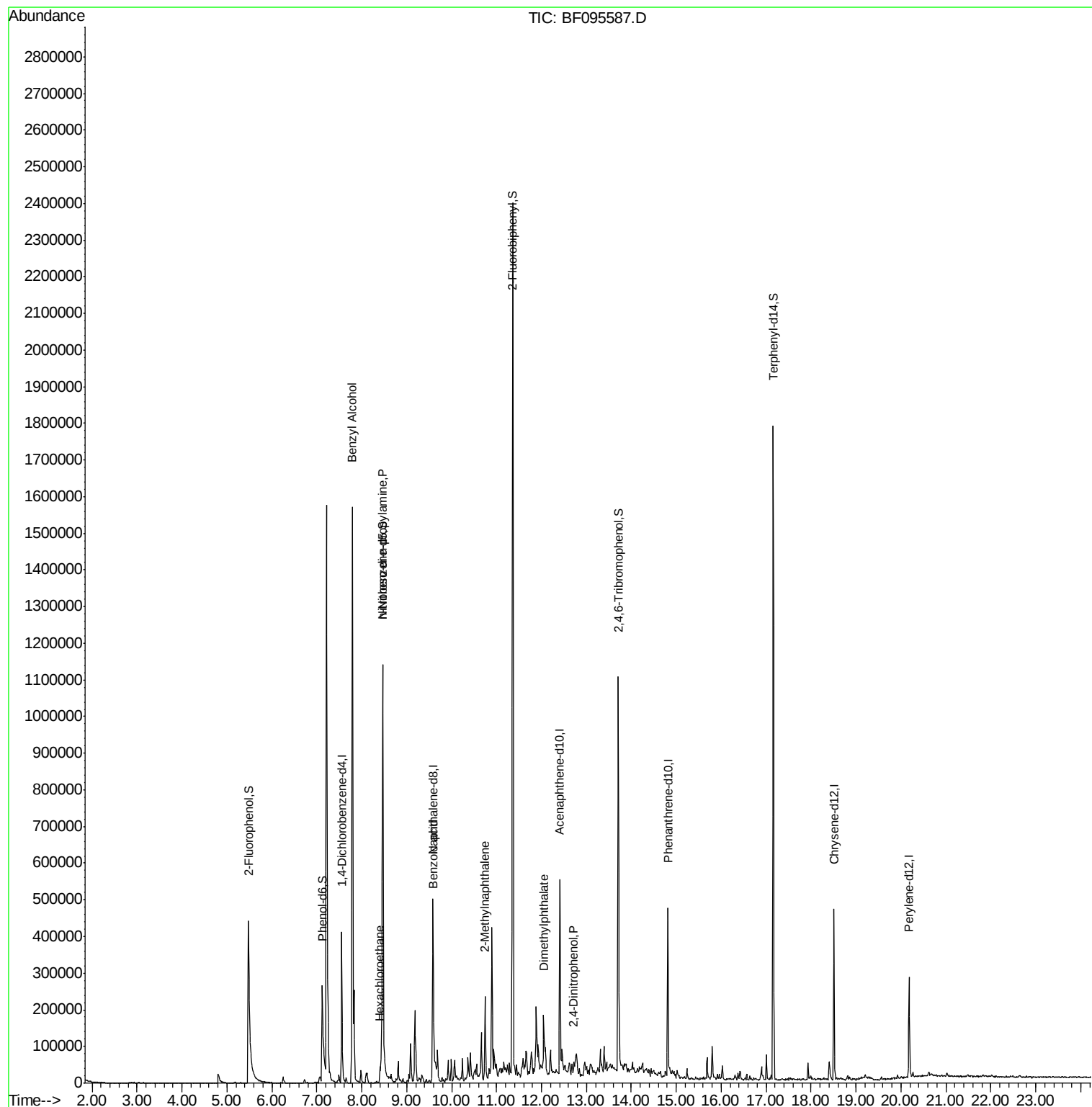
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.55  | 152  | 95674    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 9.58  | 136  | 326909   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10           | 12.41 | 164  | 149855   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10           | 14.81 | 188  | 229151   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12               | 18.51 | 240  | 194211   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12               | 20.18 | 264  | 129819   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.48  | 112  | 394761   | 68.79  | ng    | 0.01     |
| 7) Phenol-d6                   | 7.12  | 99   | 289862   | 42.10  | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 8.47  | 82   | 593141   | 114.41 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol       | 13.71 | 330  | 179801   | 146.51 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl           | 11.37 | 172  | 1121296  | 107.70 | ng    | 0.00     |
| 78) Terphenyl-d14              | 17.16 | 244  | 649538   | 73.66  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 15) Benzyl Alcohol             | 7.79  | 79   | 10084    | 2.28   | ng    | # 37     |
| 18) Hexachloroethane           | 8.41  | 117  | 17577    | 6.91   | ng    | # 1      |
| 19) n-Nitroso-di-n-propylamine | 8.47  | 70   | 74775    | 16.06  | ng    | # 78     |
| 32) Benzoic acid               | 9.60  | 122  | 117      | 5.12   | ng    | # 1      |
| 37) 2-Methylnaphthalene        | 10.75 | 142  | 84664    | 7.85   | ng    | 97       |
| 49) Dimethylphthalate          | 12.05 | 163  | 75229    | 6.12   | ng    | # 94     |
| 53) 2,4-Dinitrophenol          | 12.70 | 184  | 902      | 6.85   | ng    | # 4      |

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

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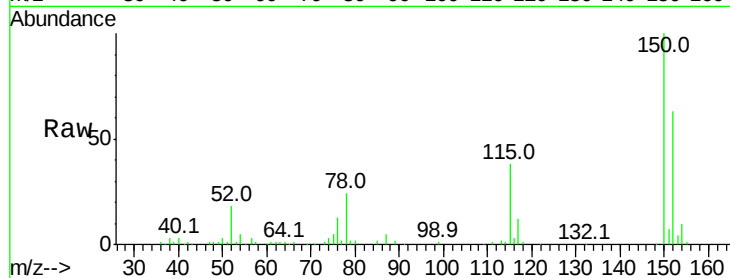


#1

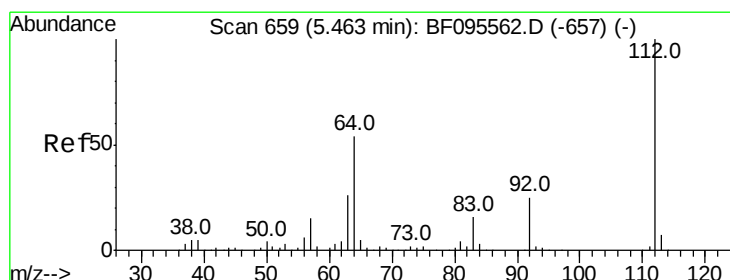
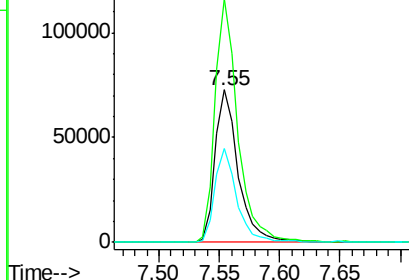
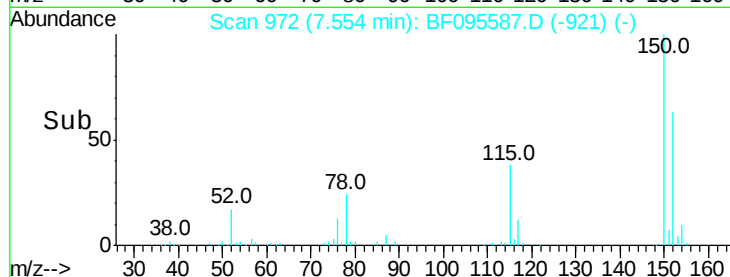
1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 7.55 min Scan# 972  
 Delta R.T. -0.00 min  
 Lab File: BF095587.D  
 Acq: 1 Jun 2017 5:25

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:152 Resp: 95674  
 Ion Ratio Lower Upper  
 152 100  
 150 159.6 126.2 189.2  
 115 61.4 52.2 78.2



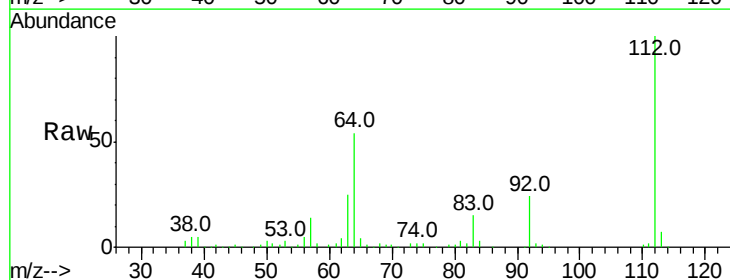
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



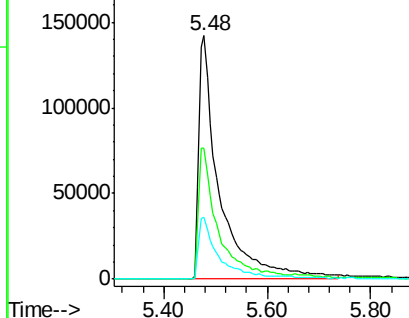
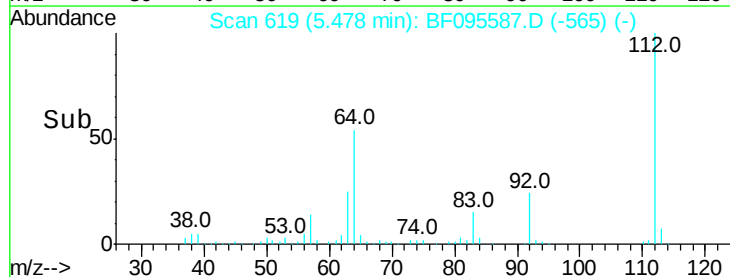
#5

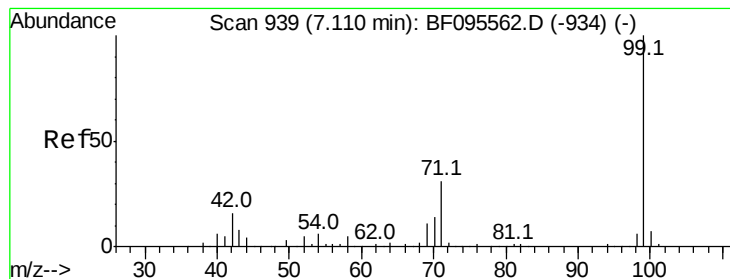
2-Fluorophenol  
 Concen: 68.79 ng  
 RT: 5.48 min Scan# 619  
 Delta R.T. 0.01 min  
 Lab File: BF095587.D  
 Acq: 1 Jun 2017 5:25

Tgt Ion:112 Resp: 394761  
 Ion Ratio Lower Upper  
 112 100  
 64 53.8 46.0 69.0  
 63 25.4 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: 42.10 ng

RT: 7.12 min Scan# 898

Delta R.T. 0.01 min

Lab File: BF095587.D

Acq: 1 Jun 2017 5:25

Instrument :

BNA\_F

ClientSampled :

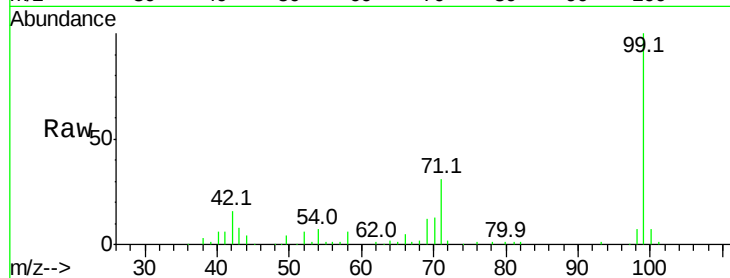
Tot Ion: 99 Resp: 289862

Ion Ratio Lower Upper

99 100

42 16.3 13.5 20.3

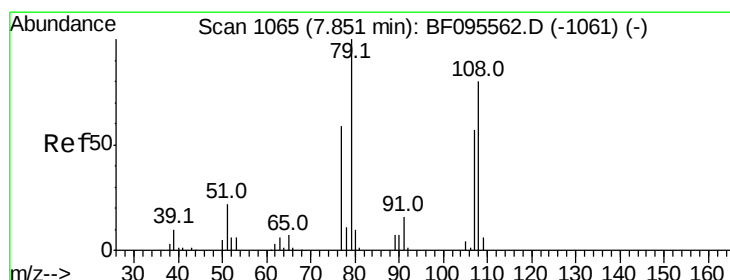
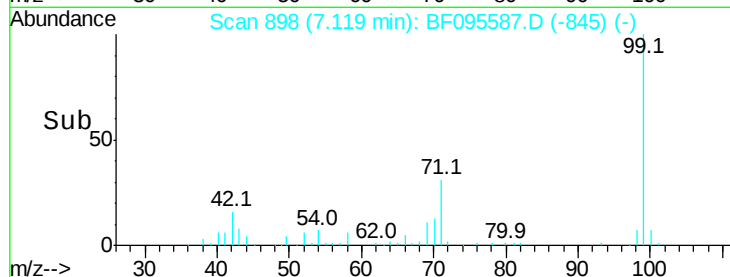
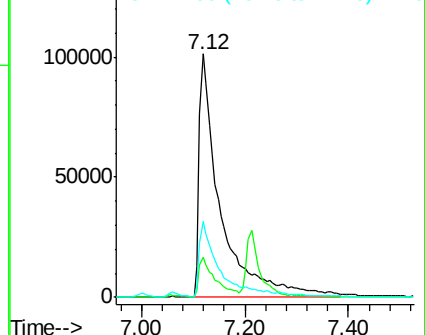
71 31.3 24.5 36.7



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: 2.28 ng

RT: 7.79 min Scan# 1012

Delta R.T. -0.06 min

Lab File: BF095587.D

Acq: 1 Jun 2017 5:25

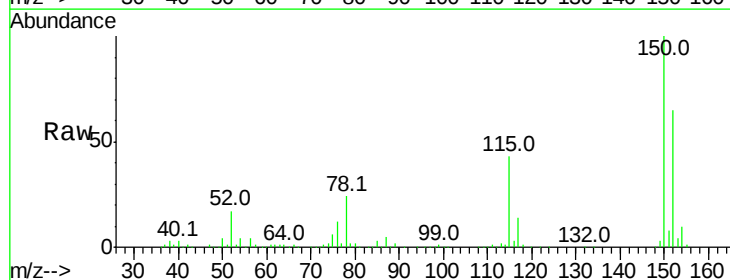
Tgt Ion: 79 Resp: 10084

Ion Ratio Lower Upper

79 100

108 28.0 63.4 95.0#

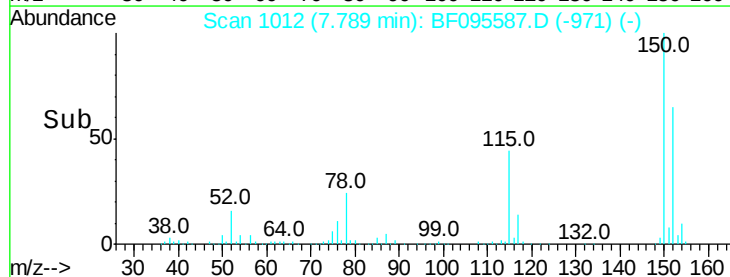
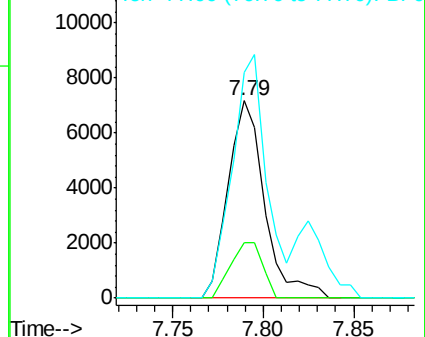
77 114.3 49.2 73.8#

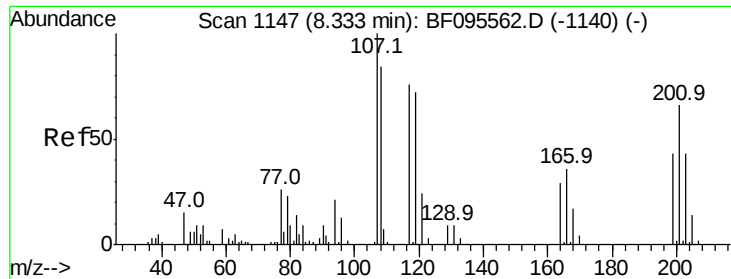


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

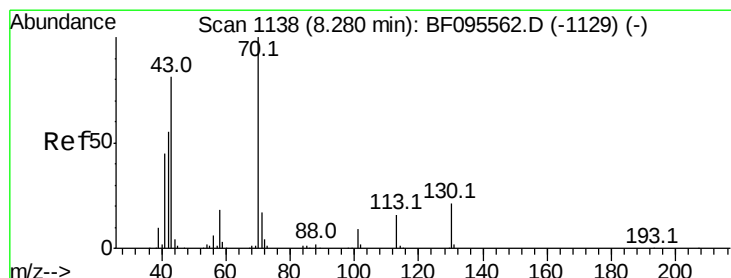
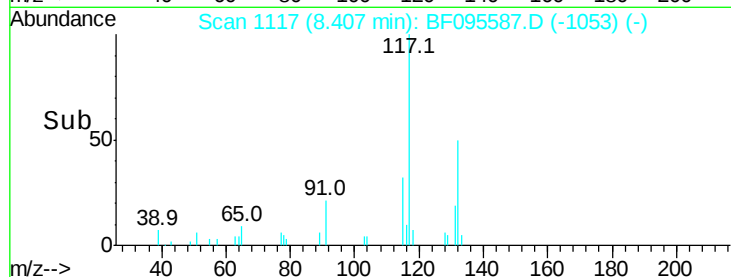
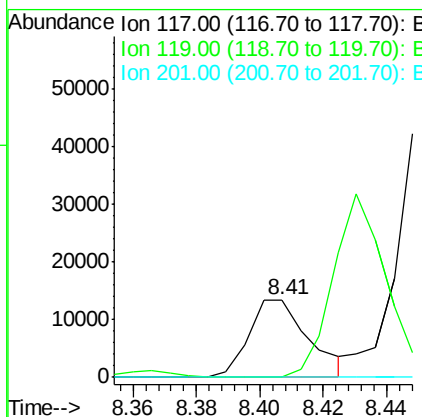
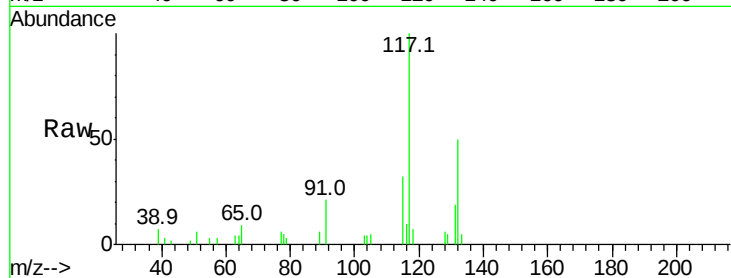




#18  
 Hexachloroethane  
 Concen: 6.91 ng  
 RT: 8.41 min Scan# 1117  
 Delta R.T. 0.07 min  
 Lab File: BF095587.D  
 Acq: 1 Jun 2017 5:25

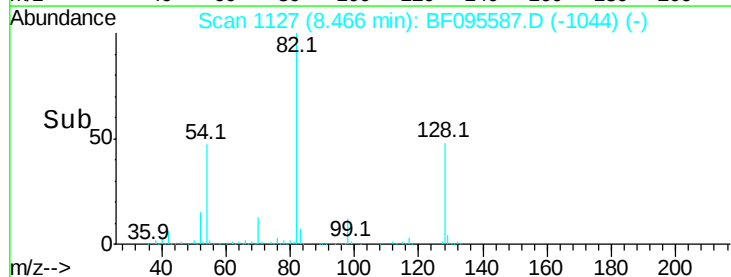
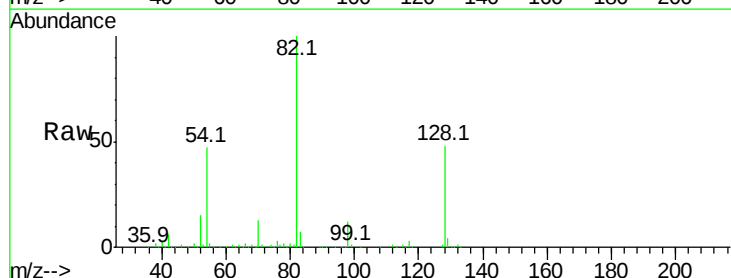
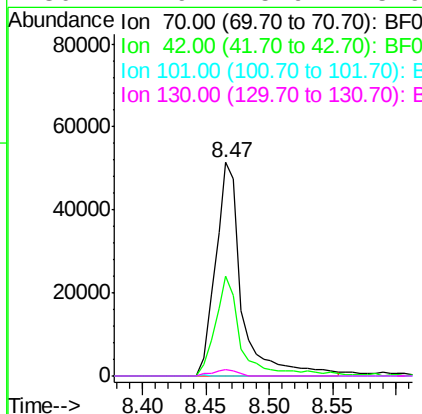
Instrument :  
 BNA\_F  
 ClientSampled :

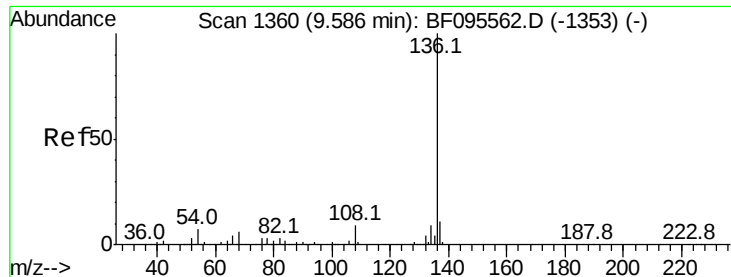
Tot Ion:117 Resp: 17577  
 Ion Ratio Lower Upper  
 117 100  
 119 0.0 77.4 116.0#  
 201 0.0 94.6 141.8#



#19  
 n-Nitroso-di-n-propylamine  
 Concen: 16.06 ng  
 RT: 8.47 min Scan# 1127  
 Delta R.T. 0.19 min  
 Lab File: BF095587.D  
 Acq: 1 Jun 2017 5:25

Tgt Ion: 70 Resp: 74775  
 Ion Ratio Lower Upper  
 70 100  
 42 46.7 47.2 70.8#  
 101 0.0 7.2 10.8#  
 130 2.9 15.9 23.9#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.58 min Scan# 1317

Delta R.T. -0.00 min

Lab File: BF095587.D

Acq: 1 Jun 2017 5:25

Instrument :

BNA\_F

ClientSampleId :

Tot Ion:136 Resp: 326909

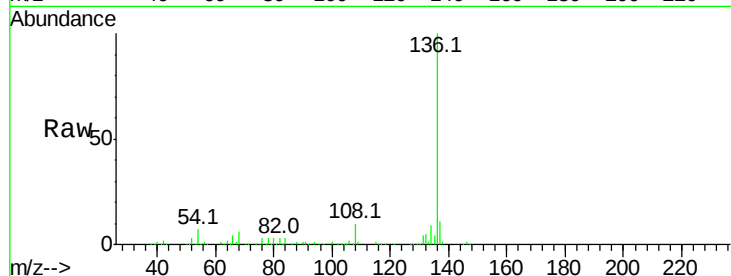
Ion Ratio Lower Upper

136 100

137 11.1 8.5 12.7

54 7.1 4.9 7.3

68 5.6 4.1 6.1

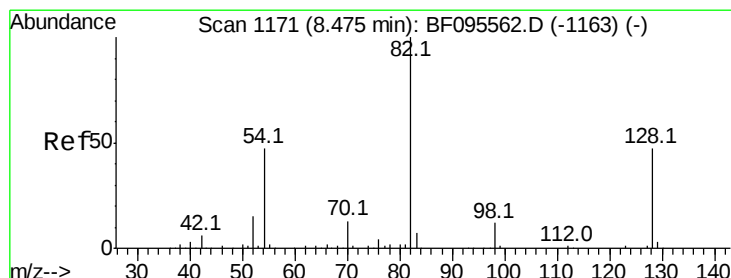
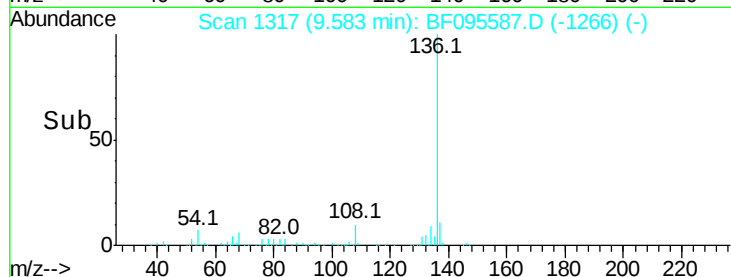
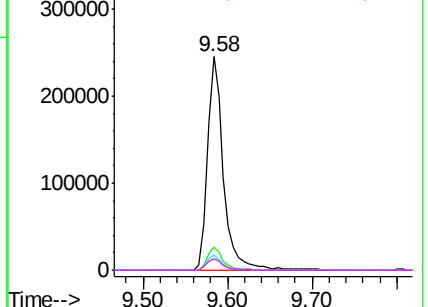


Abundance Ion 136.00 (135.70 to 136.70): E

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: 114.41 ng

RT: 8.47 min Scan# 1127

Delta R.T. -0.01 min

Lab File: BF095587.D

Acq: 1 Jun 2017 5:25

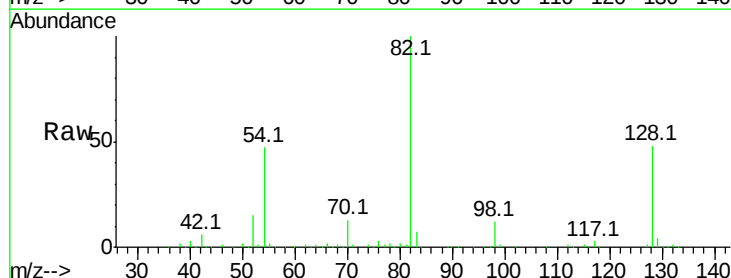
Tgt Ion: 82 Resp: 593141

Ion Ratio Lower Upper

82 100

128 47.7 34.0 51.0

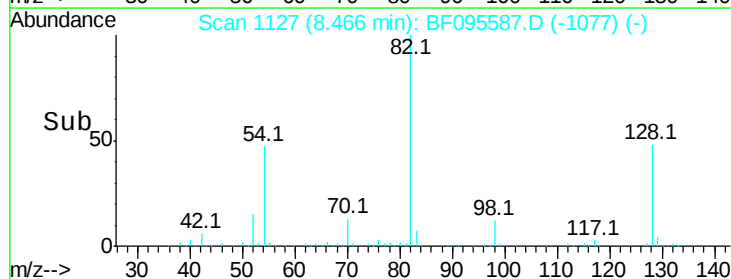
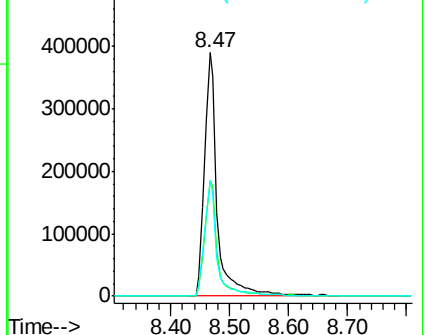
54 47.4 42.2 63.2

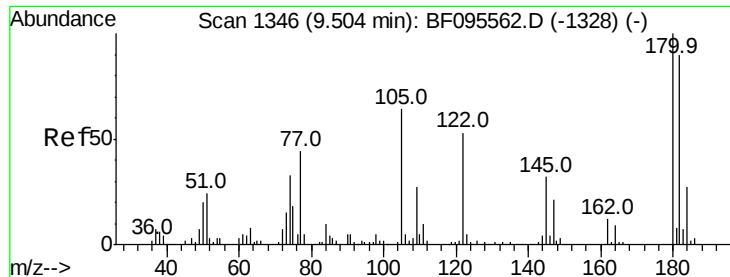


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

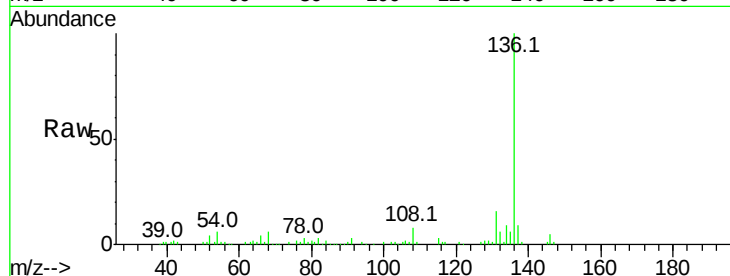




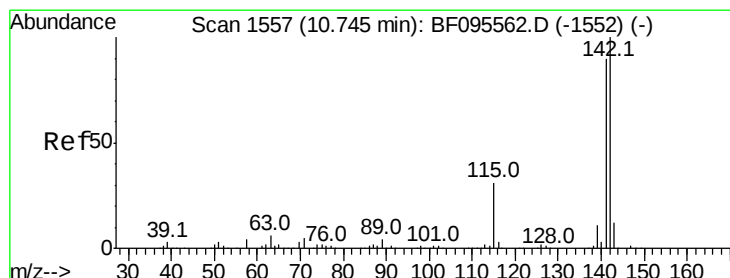
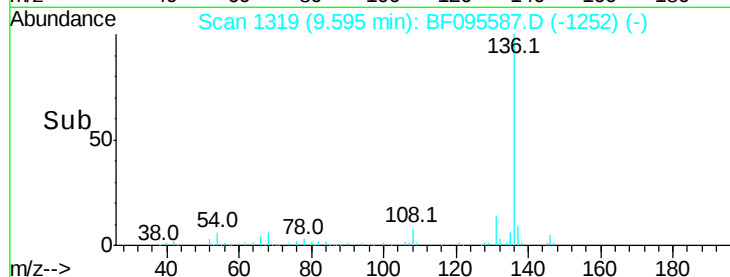
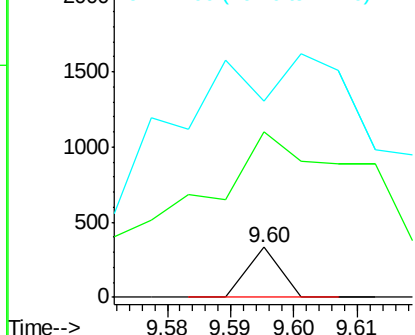
#32  
Benzoic acid  
Concen: 5.12 ng  
RT: 9.60 min Scan# 1319  
Delta R.T. 0.09 min  
Lab File: BF095587.D  
Acq: 1 Jun 2017 5:25

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:122 Resp: 117  
Ion Ratio Lower Upper  
122 100  
105 333.5 103.3 143.3#  
77 395.5 73.7 113.7#

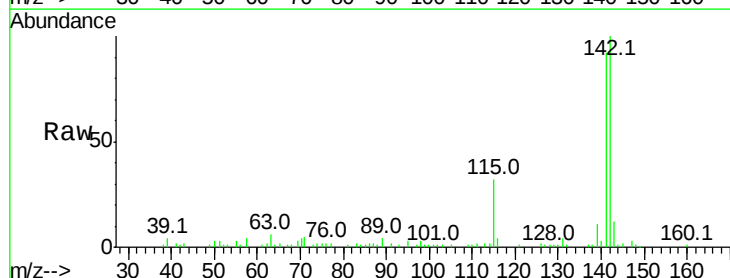


Abundance Ion 122.00 (121.70 to 122.70): E  
Ion 105.00 (104.70 to 105.70): E  
Ion 77.00 (76.70 to 77.70): BF0

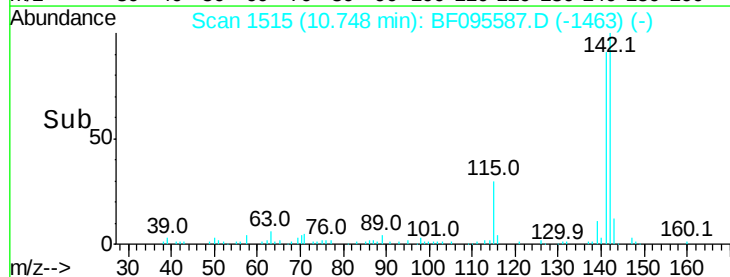
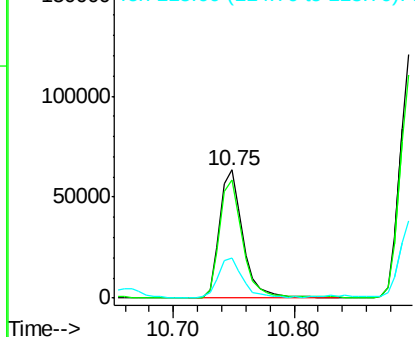


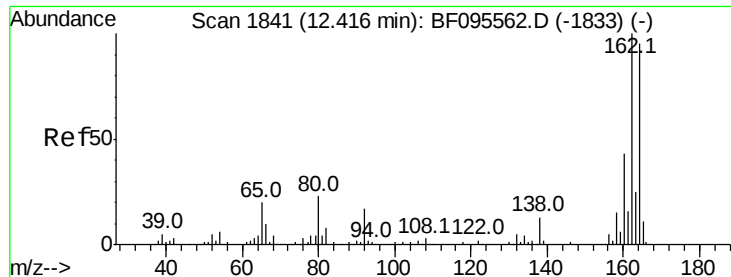
#37  
2-Methylnaphthalene  
Concen: 7.85 ng  
RT: 10.75 min Scan# 1515  
Delta R.T. 0.00 min  
Lab File: BF095587.D  
Acq: 1 Jun 2017 5:25

Tgt Ion:142 Resp: 84664  
Ion Ratio Lower Upper  
142 100  
141 91.9 71.3 106.9  
115 31.5 27.1 40.7



Abundance Ion 142.00 (141.70 to 142.70): E  
Ion 141.00 (140.70 to 141.70): E  
Ion 115.00 (114.70 to 115.70): E

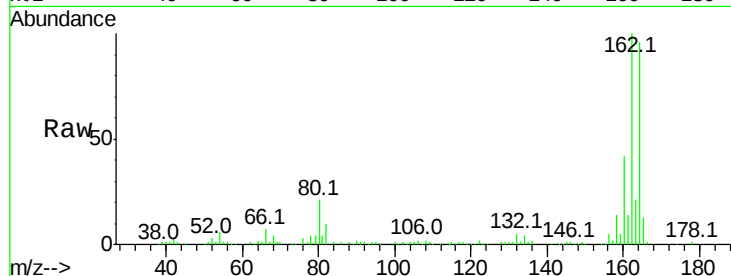




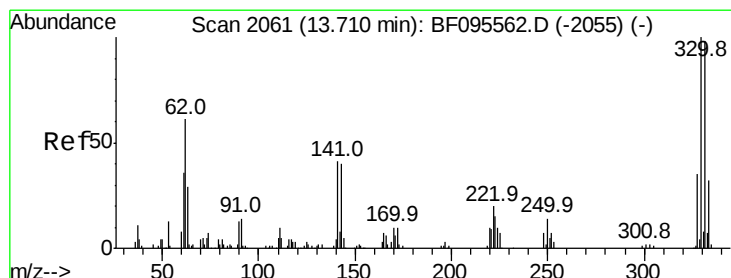
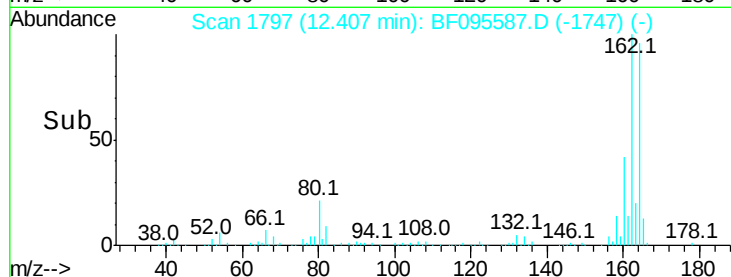
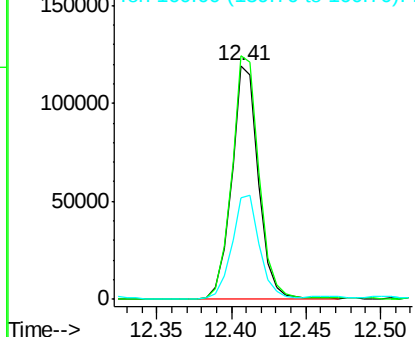
#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 12.41 min Scan# 1797  
Delta R.T. -0.01 min  
Lab File: BF095587.D  
Acq: 1 Jun 2017 5:25

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:164 Resp: 149855  
Ion Ratio Lower Upper  
164 100  
162 104.1 82.6 123.8  
160 43.7 36.2 54.2

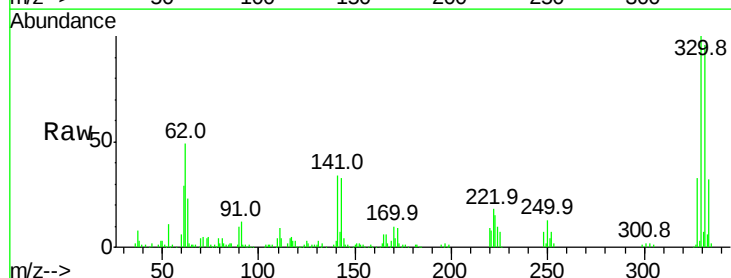


Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

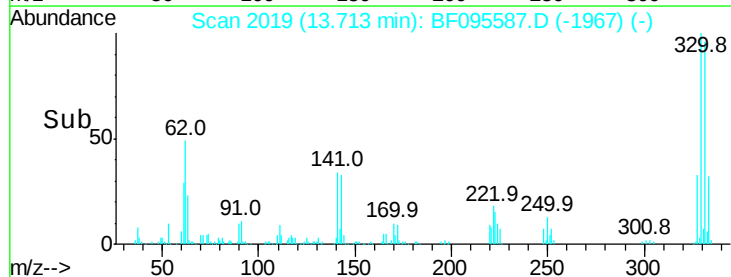
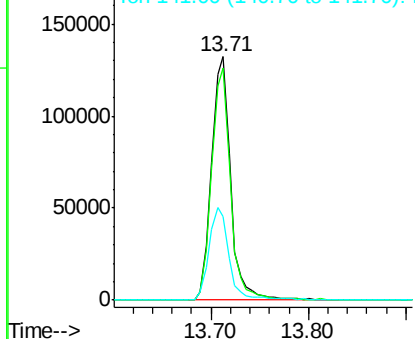


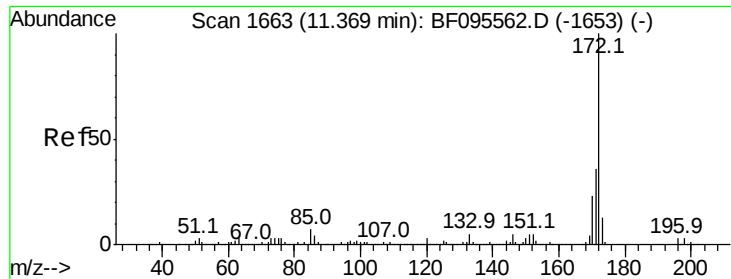
#41  
2,4,6-Tribromophenol  
Concen: 146.51 ng  
RT: 13.71 min Scan# 2019  
Delta R.T. 0.00 min  
Lab File: BF095587.D  
Acq: 1 Jun 2017 5:25

Tgt Ion:330 Resp: 179801  
Ion Ratio Lower Upper  
330 100  
332 94.3 76.6 115.0  
141 40.0 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

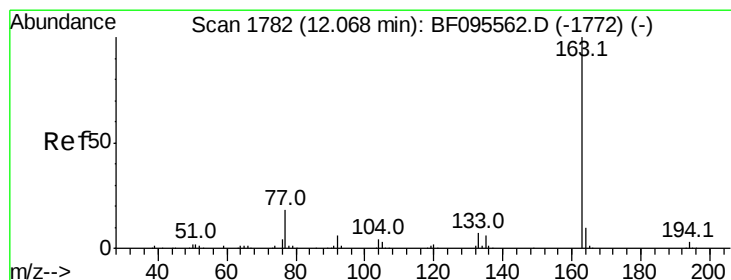
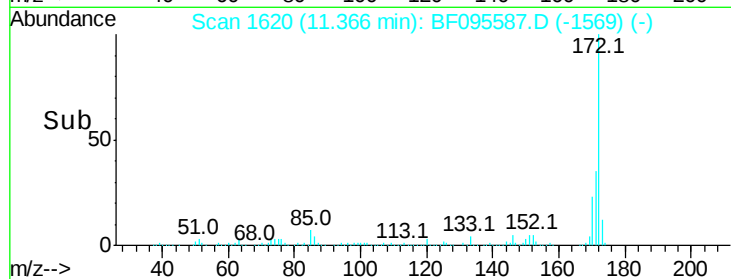
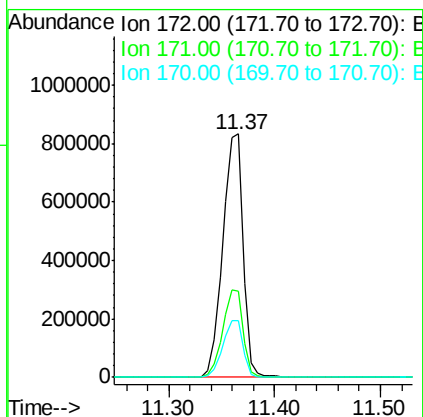
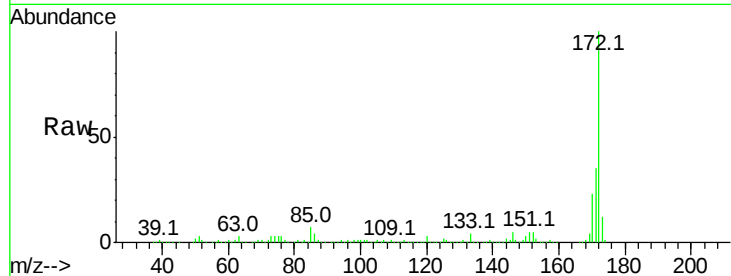




#44  
2-Fluorobiphenyl  
Concen: 107.70 ng  
RT: 11.37 min Scan# 1620  
Delta R.T. -0.00 min  
Lab File: BF095587.D  
Acq: 1 Jun 2017 5:25

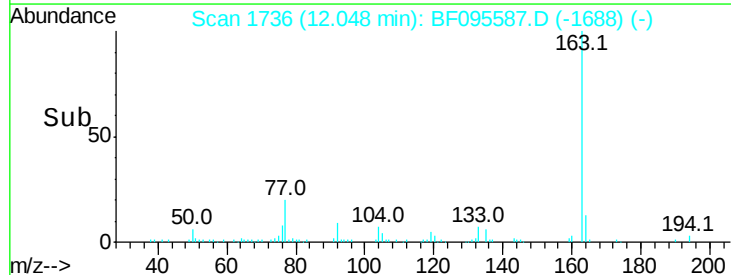
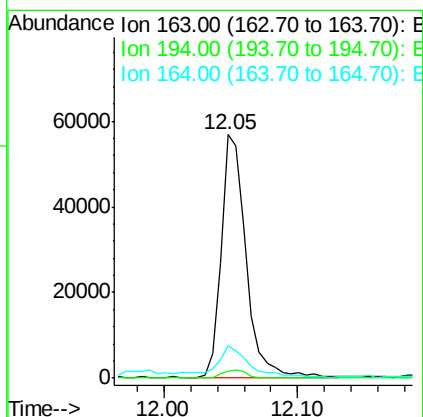
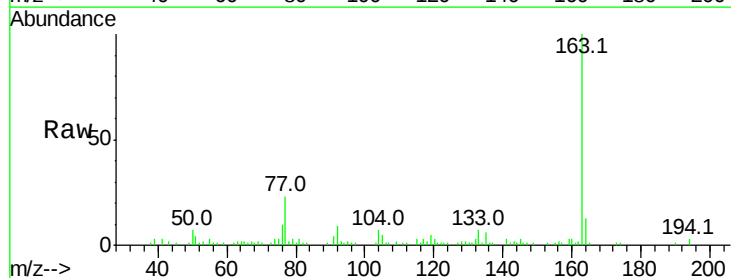
Instrument :  
BNA\_F  
ClientSampleId :

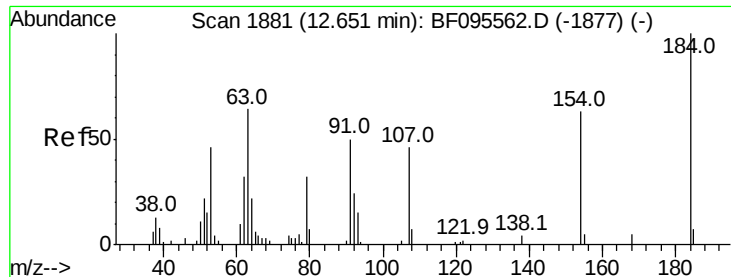
Tot Ion:172 Resp: 1121296  
Ion Ratio Lower Upper  
172 100  
171 35.5 29.6 44.4  
170 23.4 19.8 29.8



#49  
Dimethylphthalate  
Concen: 6.12 ng  
RT: 12.05 min Scan# 1736  
Delta R.T. -0.02 min  
Lab File: BF095587.D  
Acq: 1 Jun 2017 5:25

Tgt Ion:163 Resp: 75229  
Ion Ratio Lower Upper  
163 100  
194 3.0 2.6 4.0  
164 13.4 8.4 12.6#

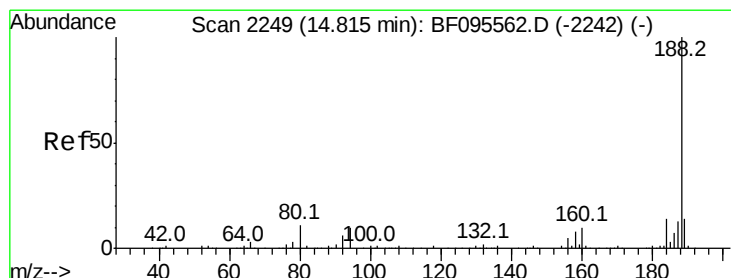
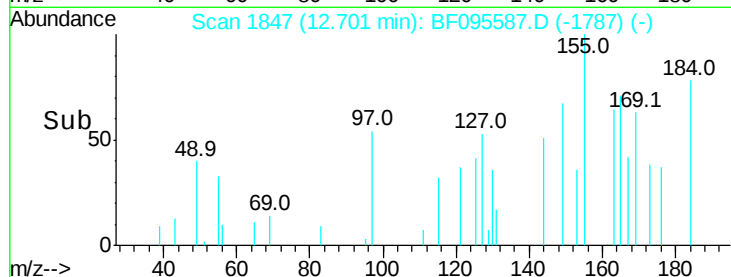
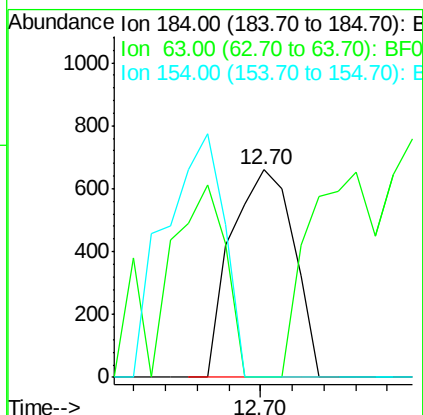
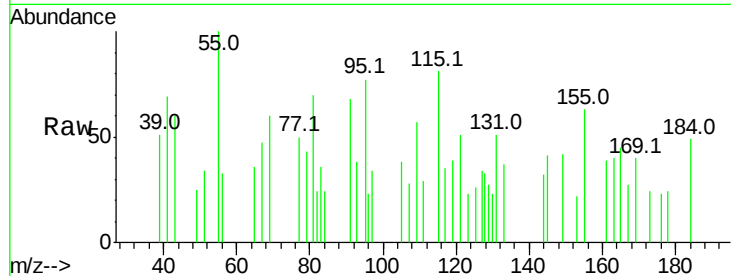




#53  
 2,4-Dinitrophenol  
 Concen: 6.85 ng  
 RT: 12.70 min Scan# 1847  
 Delta R.T. 0.05 min  
 Lab File: BF095587.D  
 Acq: 1 Jun 2017 5:25

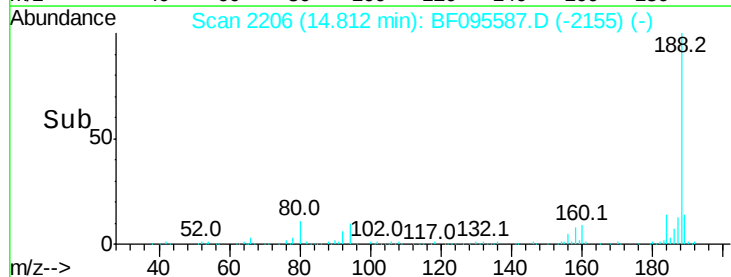
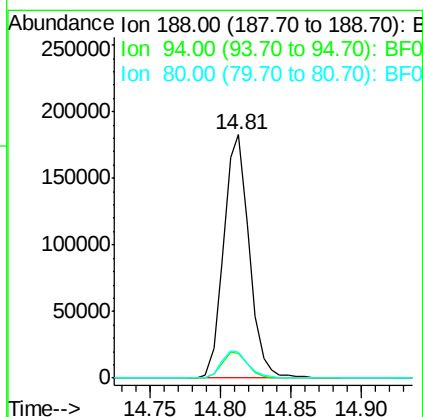
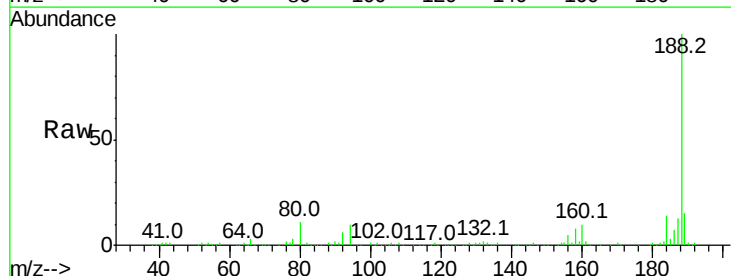
Instrument :  
 BNA\_F  
 ClientSampled :

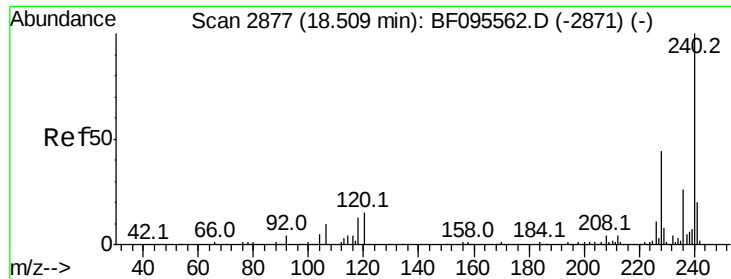
Tot Ion:184 Resp: 902  
 Ion Ratio Lower Upper  
 184 100  
 63 0.0 62.7 94.1#  
 154 0.0 81.1 121.7#



#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 14.81 min Scan# 2206  
 Delta R.T. -0.00 min  
 Lab File: BF095587.D  
 Acq: 1 Jun 2017 5:25

Tgt Ion:188 Resp: 229151  
 Ion Ratio Lower Upper  
 188 100  
 94 10.3 9.4 14.2  
 80 10.8 10.2 15.2

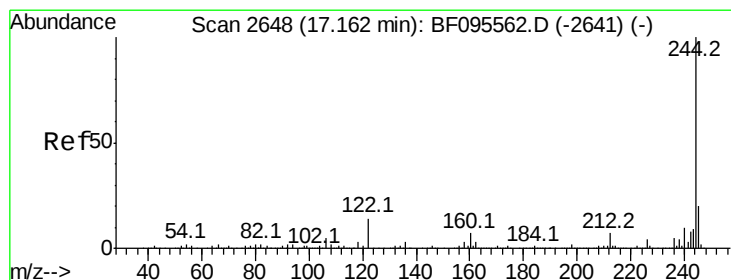
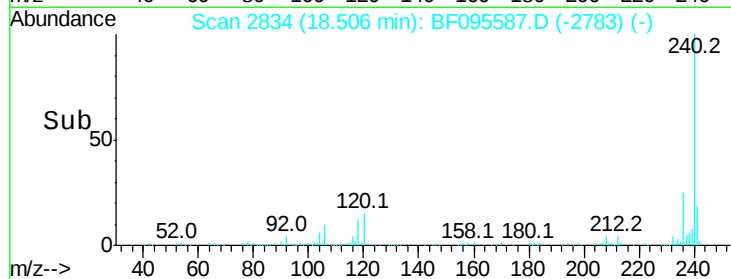
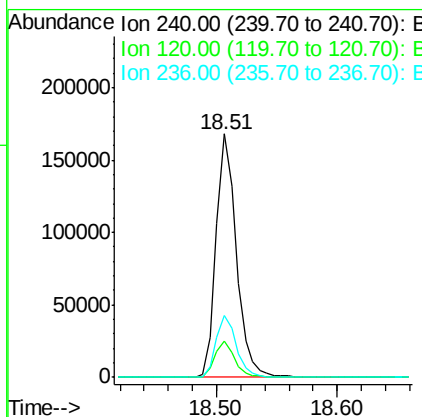
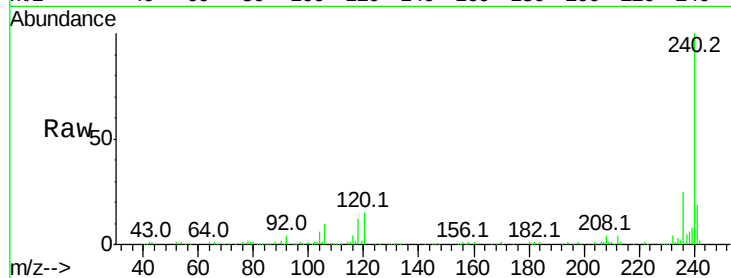




#75  
 Chrysene-d12  
 Concen: 20.00 ng  
 RT: 18.51 min Scan# 2834  
 Delta R.T. -0.00 min  
 Lab File: BF095587.D  
 Acq: 1 Jun 2017 5:25

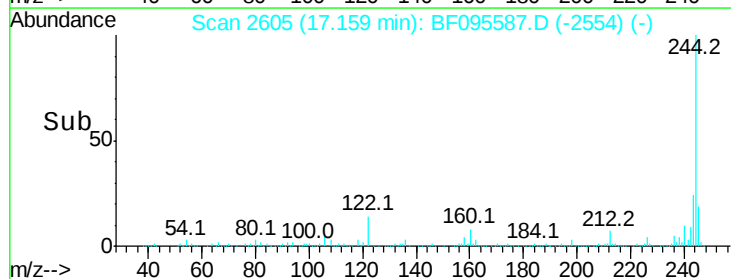
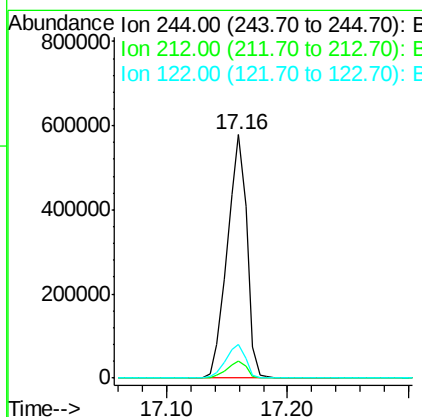
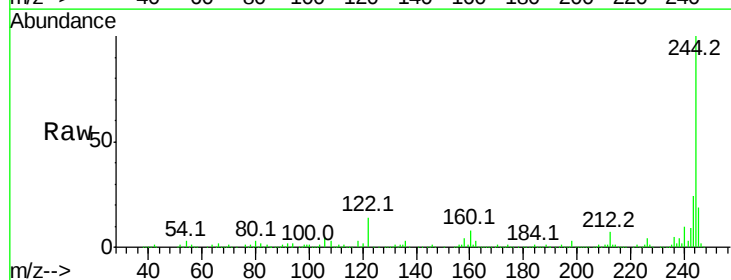
Instrument :  
 BNA\_F  
 ClientSampleId :

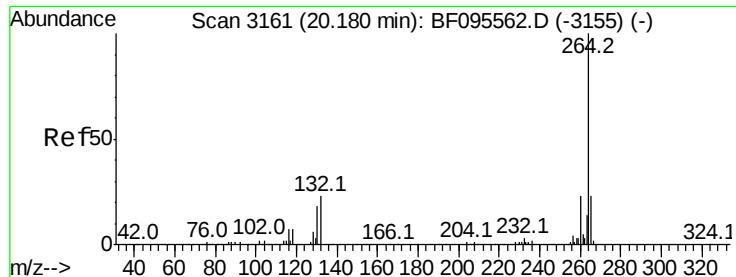
Tot Ion:240 Resp: 194211  
 Ion Ratio Lower Upper  
 240 100  
 120 14.8 5.8 8.8#  
 236 25.5 20.5 30.7



#78  
 Terphenyl-d14  
 Concen: 73.66 ng  
 RT: 17.16 min Scan# 2605  
 Delta R.T. -0.00 min  
 Lab File: BF095587.D  
 Acq: 1 Jun 2017 5:25

Tgt Ion:244 Resp: 649538  
 Ion Ratio Lower Upper  
 244 100  
 212 7.1 6.0 9.0  
 122 14.1 10.3 15.5

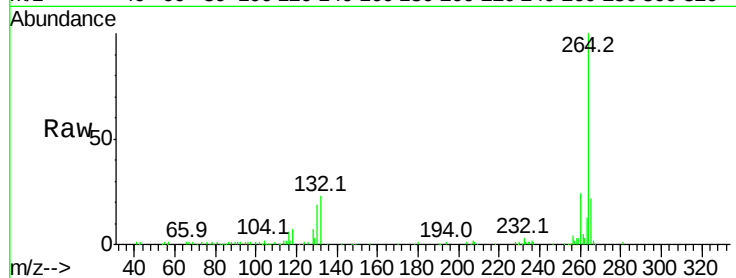




#86  
Pervlene-d12  
Concen: 20.00 ng  
RT: 20.18 min Scan# 3119  
Delta R.T. 0.00 min  
Lab File: BF095587.D  
Acq: 1 Jun 2017 5:25

Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.4  | 19.5  | 29.3  |
| 265     | 22.0  | 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

