

Data Path : Z:\HPCHEM1\BNA F\DATA\BF053017\  
 Data File : BF095557.D  
 Acq On : 31 May 2017 6:07  
 Operator : SJ/MA  
 Sample : I3354-01  
 Misc :  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: May 31 08:37:56 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri May 26 16:50:16 2017  
 Response via : Initial Calibration

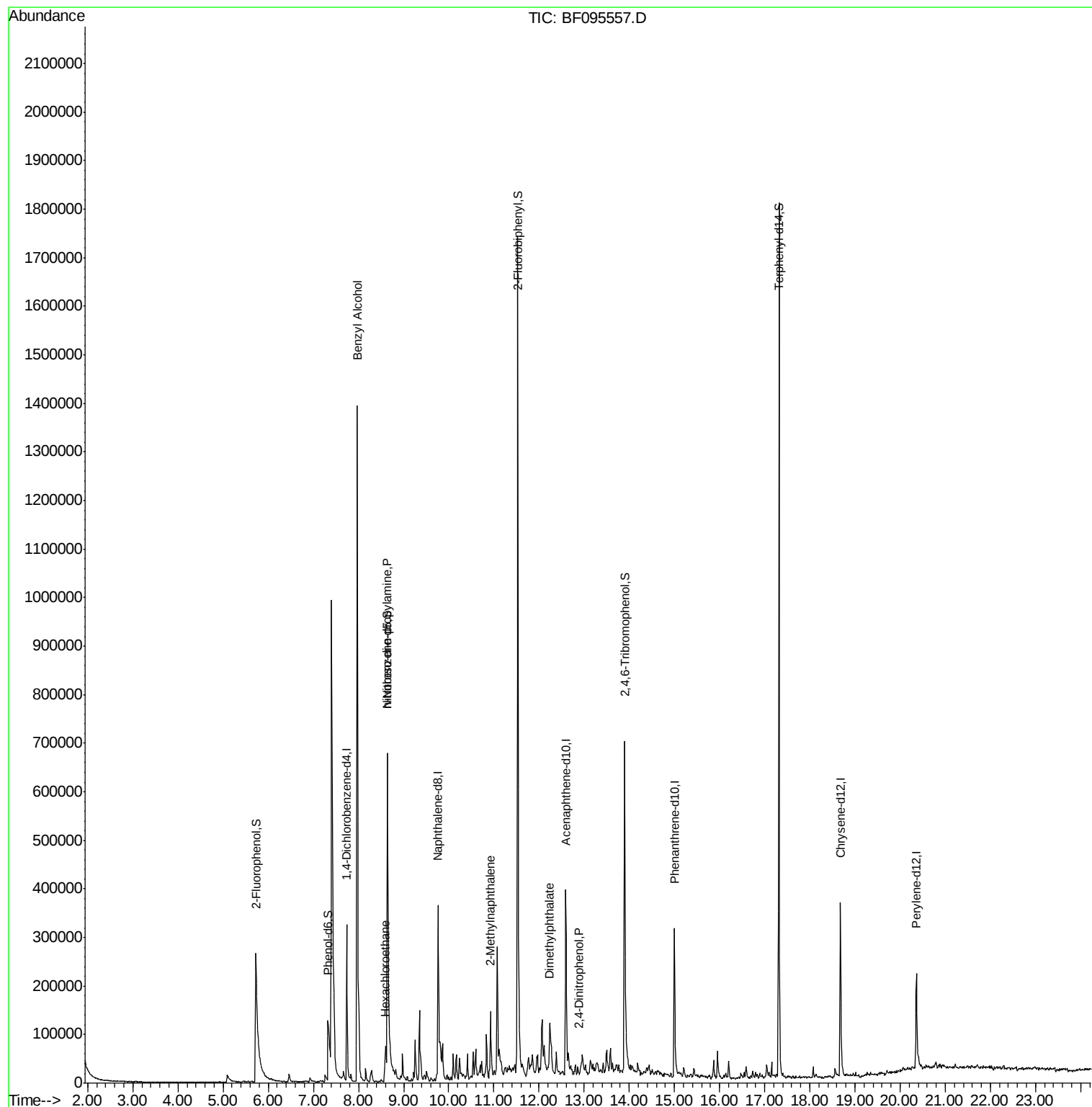
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.74  | 152  | 80581    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 9.76  | 136  | 308568   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10           | 12.59 | 164  | 121825   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10           | 15.00 | 188  | 178550   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12               | 18.68 | 240  | 189671   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12               | 20.36 | 264  | 120572   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.72  | 112  | 320371   | 66.28  | ng    | 0.02     |
| 7) Phenol-d6                   | 7.32  | 99   | 221997   | 38.28  | ng    | 0.03     |
| 23) Nitrobenzene-d5            | 8.64  | 82   | 487065   | 99.54  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol       | 13.89 | 330  | 141197   | 141.52 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl           | 11.53 | 172  | 890874   | 105.26 | ng    | 0.00     |
| 78) Terphenyl-d14              | 17.32 | 244  | 719909   | 83.60  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 15) Benzyl Alcohol             | 7.97  | 79   | 8621     | 2.31   | ng    | # 37     |
| 18) Hexachloroethane           | 8.58  | 117  | 17073    | 7.96   | ng    | # 1      |
| 19) n-Nitroso-di-n-propylamine | 8.64  | 70   | 55919    | 14.26  | ng    | # 73     |
| 37) 2-Methylnaphthalene        | 10.92 | 142  | 68277    | 6.71   | ng    | 96       |
| 49) Dimethylphthalate          | 12.24 | 163  | 60884    | 6.09   | ng    | # 95     |
| 53) 2,4-Dinitrophenol          | 12.89 | 184  | 285      | 6.48   | ng    | # 4      |

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

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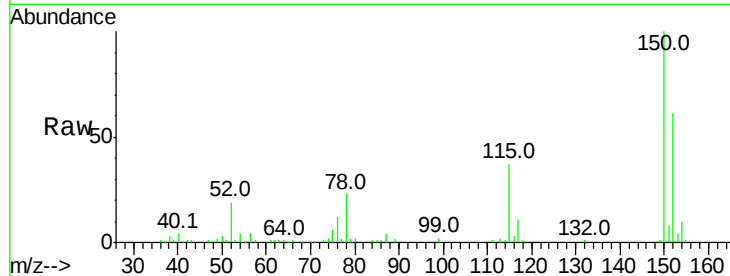


#1

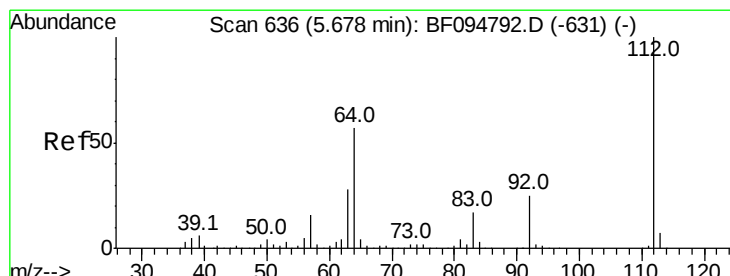
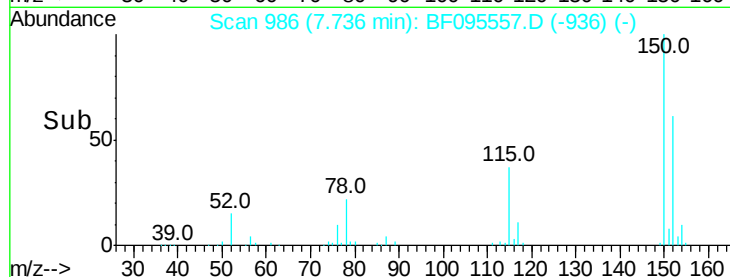
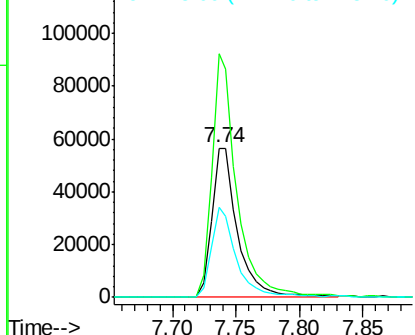
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 7.74 min Scan# 986  
Delta R.T. -0.01 min  
Lab File: BF095557.D  
Acq: 31 May 2017 6:07

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:152 Resp: 80581  
Ion Ratio Lower Upper  
152 100  
150 162.8 126.2 189.2  
115 60.2 52.2 78.2



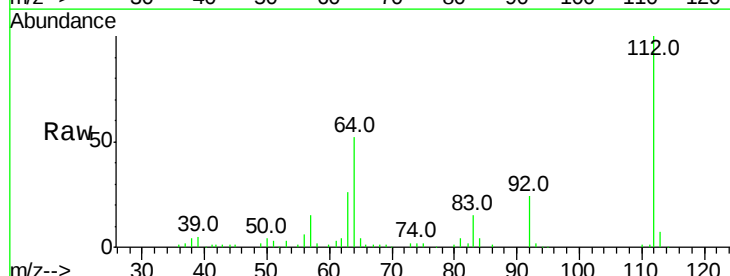
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



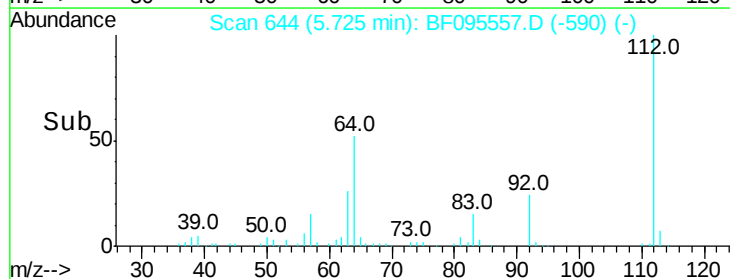
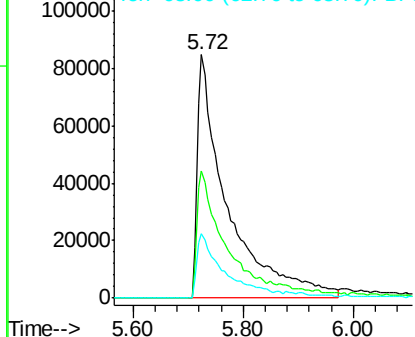
#5

2-Fluorophenol  
Concen: 66.28 ng  
RT: 5.72 min Scan# 644  
Delta R.T. 0.02 min  
Lab File: BF095557.D  
Acq: 31 May 2017 6:07

Tgt Ion:112 Resp: 320371  
Ion Ratio Lower Upper  
112 100  
64 52.1 46.0 69.0  
63 26.3 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: 38.28 ng

RT: 7.32 min Scan# 916

Delta R.T. 0.03 min

Lab File: BF095557.D

Acq: 31 May 2017 6:07

Instrument :

BNA\_F

ClientSampleId :

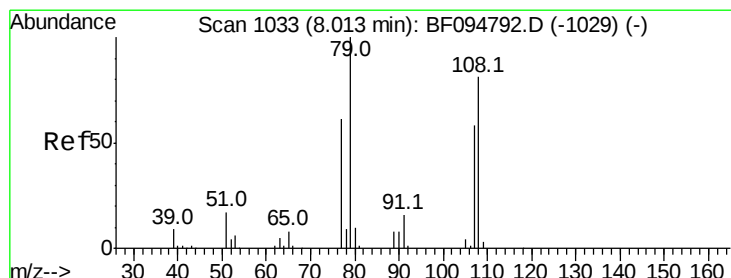
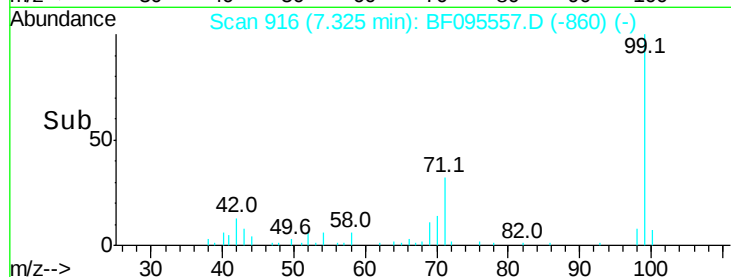
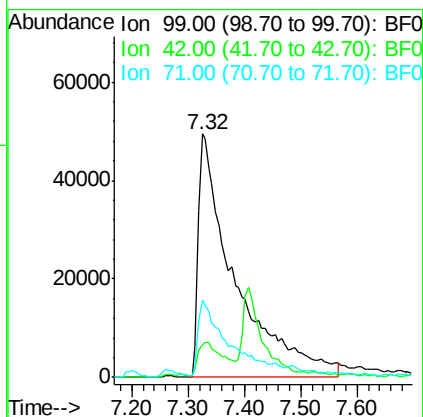
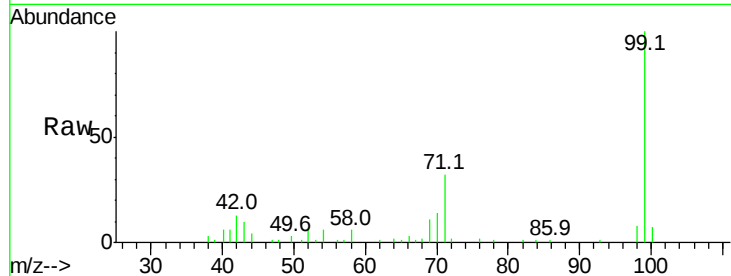
Tot Ion: 99 Resp: 221997

Ion Ratio Lower Upper

99 100

42 13.3 13.5 20.3#

71 31.8 24.5 36.7



#15

Benzyl Alcohol

Concen: 2.31 ng

RT: 7.97 min Scan# 1026

Delta R.T. -0.06 min

Lab File: BF095557.D

Acq: 31 May 2017 6:07

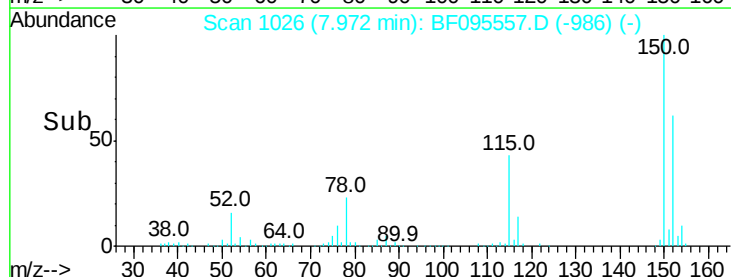
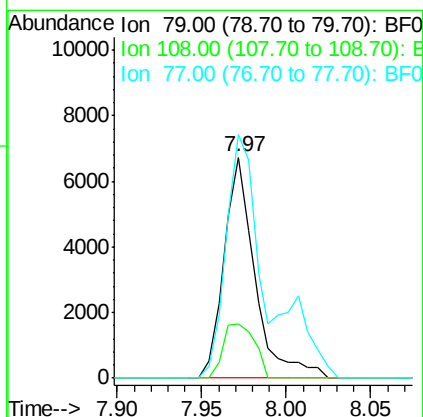
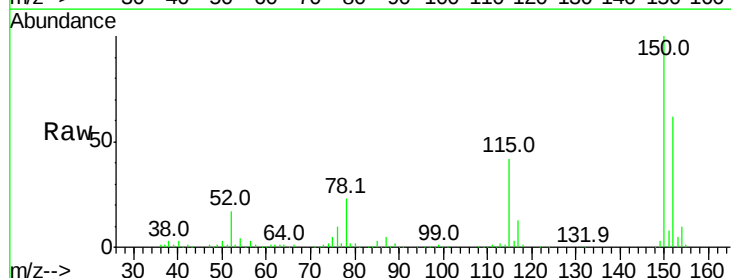
Tgt Ion: 79 Resp: 8621

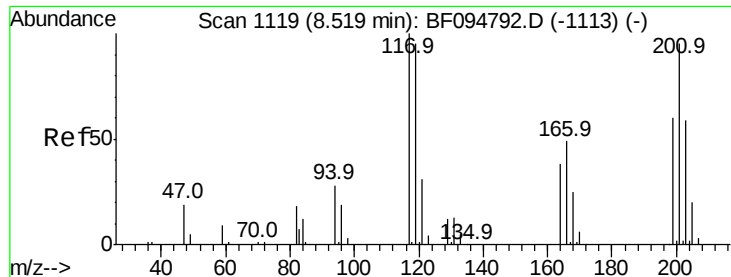
Ion Ratio Lower Upper

79 100

108 24.3 63.4 95.0#

77 110.1 49.2 73.8#

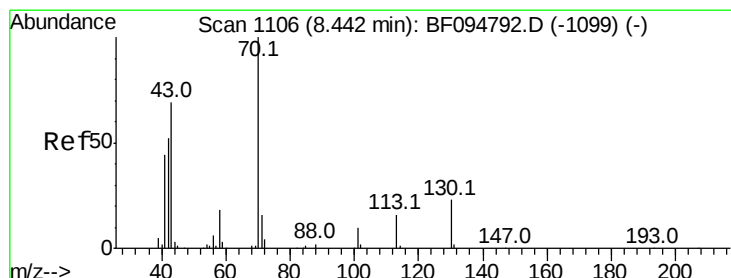
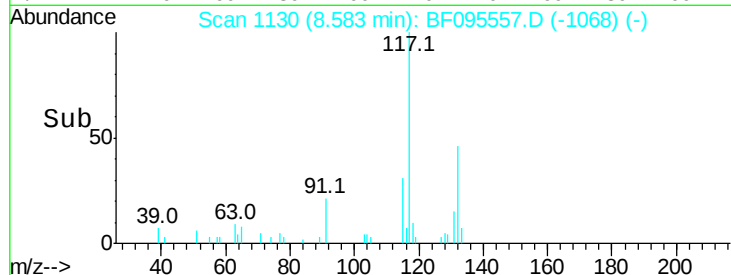
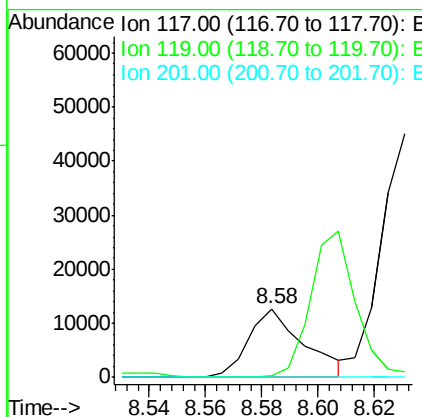
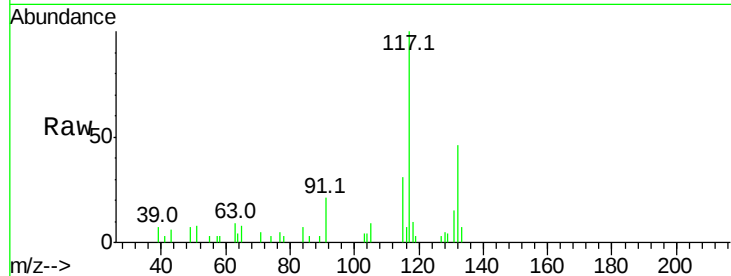




#18  
Hexachloroethane  
Concen: 7.96 ng  
RT: 8.58 min Scan# 1130  
Delta R.T. 0.06 min  
Lab File: BF095557.D  
Acq: 31 May 2017 6:07

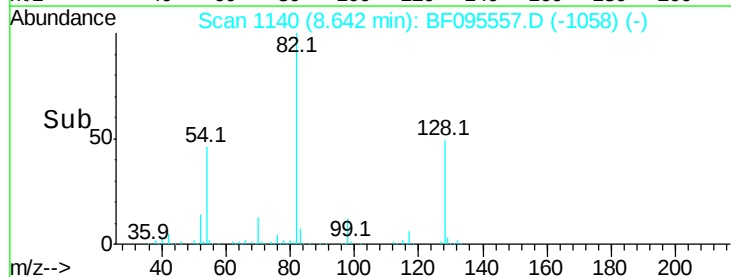
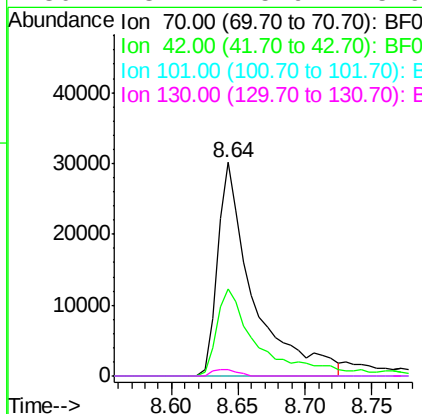
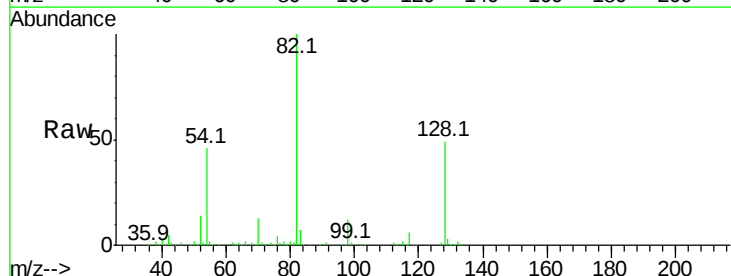
Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:117 Resp: 17073  
Ion Ratio Lower Upper  
117 100  
119 3.1 77.4 116.0#  
201 0.0 94.6 141.8#



#19  
n-Nitroso-di-n-propylamine  
Concen: 14.26 ng  
RT: 8.64 min Scan# 1140  
Delta R.T. 0.18 min  
Lab File: BF095557.D  
Acq: 31 May 2017 6:07

Tgt Ion: 70 Resp: 55919  
Ion Ratio Lower Upper  
70 100  
42 41.0 47.2 70.8#  
101 0.0 7.2 10.8#  
130 3.1 15.9 23.9#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.76 min Scan# 1330

Delta R.T. -0.00 min

Lab File: BF095557.D

Acq: 31 May 2017 6:07

Instrument :

BNA\_F

ClientSampleId :

Tot Ion:136 Resp: 308568

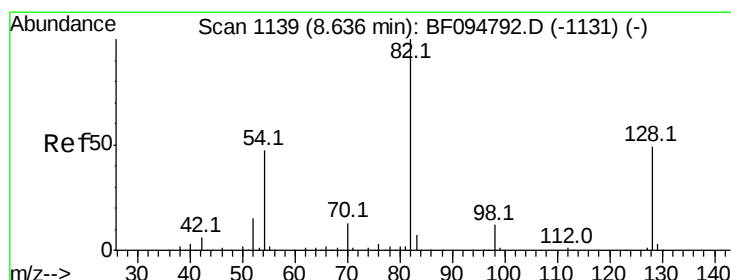
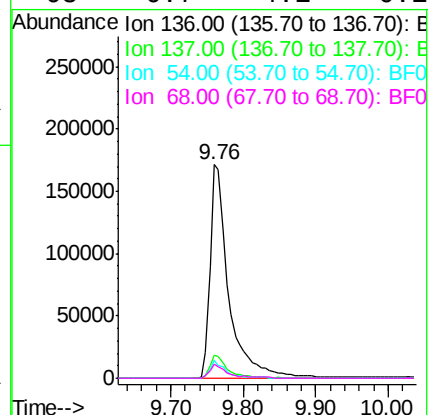
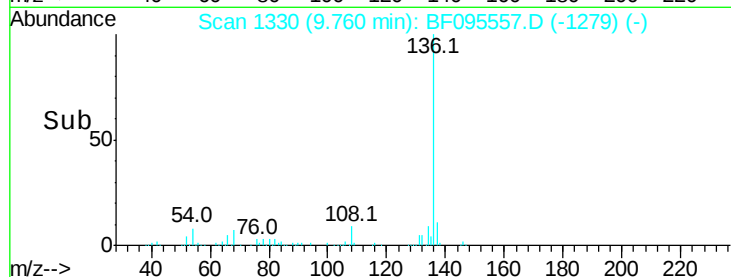
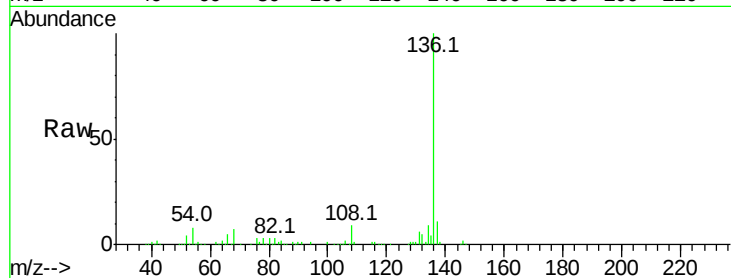
Ion Ratio Lower Upper

136 100

137 10.9 8.5 12.7

54 8.2 4.9 7.3#

68 6.7 4.1 6.1#



#23

Nitrobenzene-d5

Concen: 99.54 ng

RT: 8.64 min Scan# 1140

Delta R.T. -0.01 min

Lab File: BF095557.D

Acq: 31 May 2017 6:07

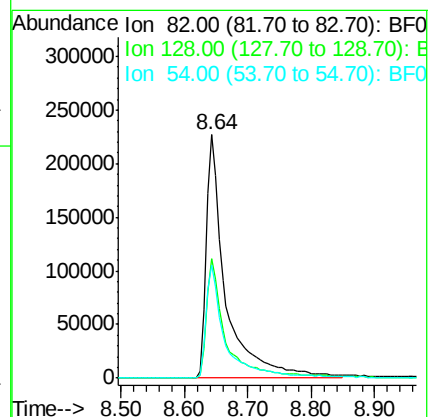
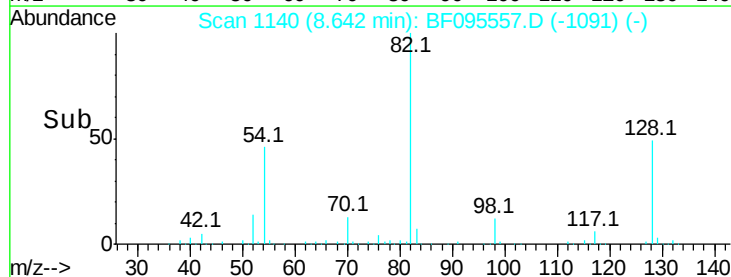
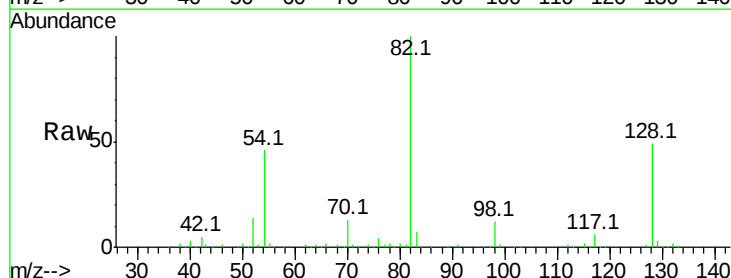
Tgt Ion: 82 Resp: 487065

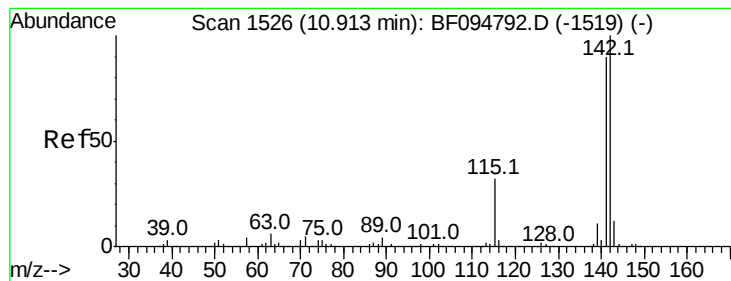
Ion Ratio Lower Upper

82 100

128 49.2 34.0 51.0

54 46.4 42.2 63.2





#37

2-Methylnaphthalene

Concen: 6.71 ng

RT: 10.92 min Scan# 1528

Delta R.T. 0.00 min

Lab File: BF095557.D

Acq: 31 May 2017 6:07

Instrument :

BNA\_F

ClientSampled :

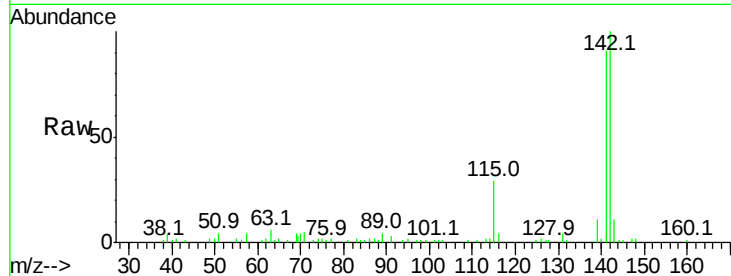
Tot Ion:142 Resp: 68277

Ion Ratio Lower Upper

142 100

141 91.1 71.3 106.9

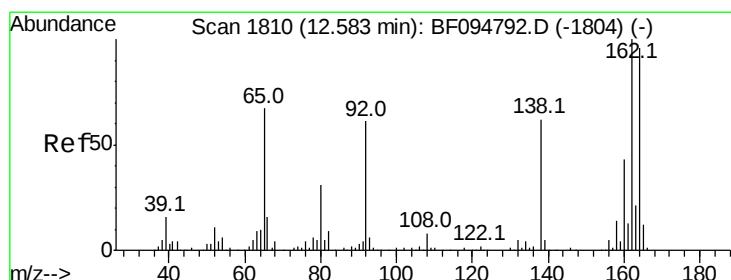
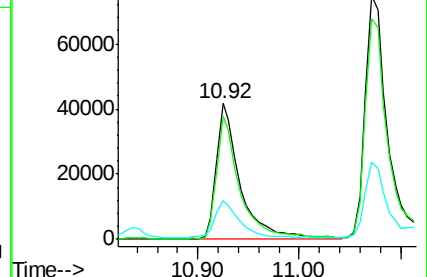
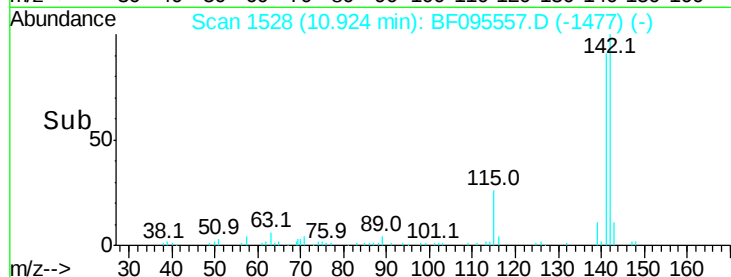
115 28.8 27.1 40.7



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: 12.59 min Scan# 1812

Delta R.T. 0.00 min

Lab File: BF095557.D

Acq: 31 May 2017 6:07

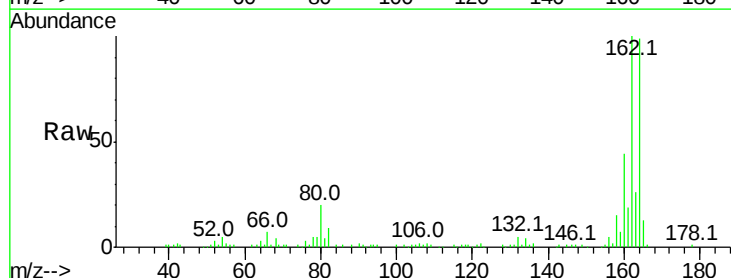
Tgt Ion:164 Resp: 121825

Ion Ratio Lower Upper

164 100

162 100.5 82.6 123.8

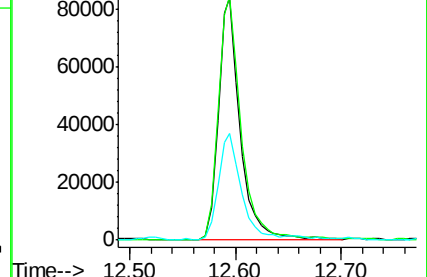
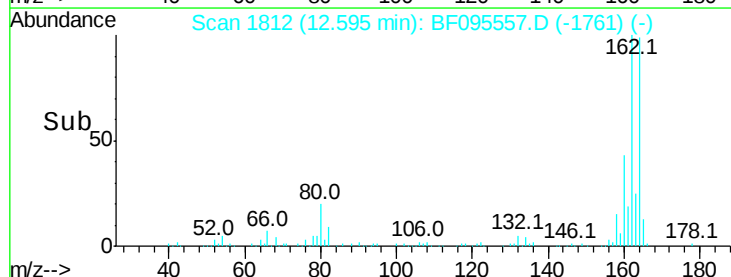
160 43.9 36.2 54.2

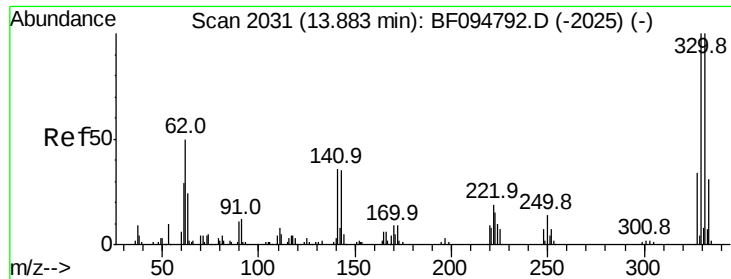


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

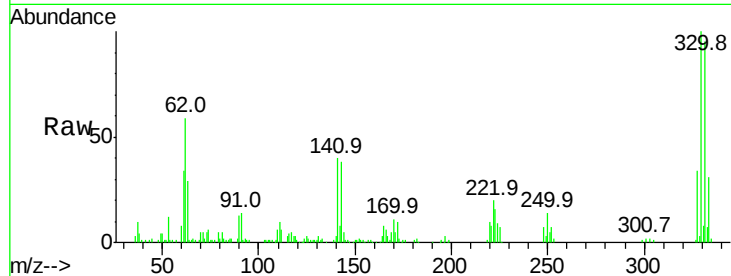




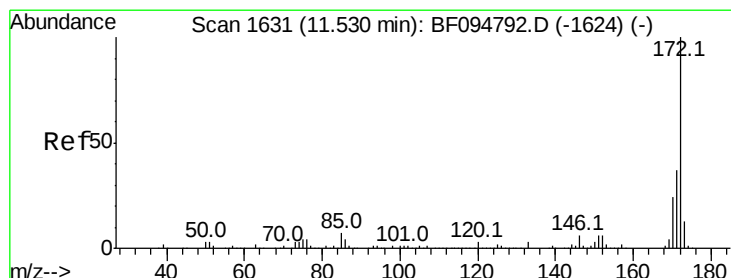
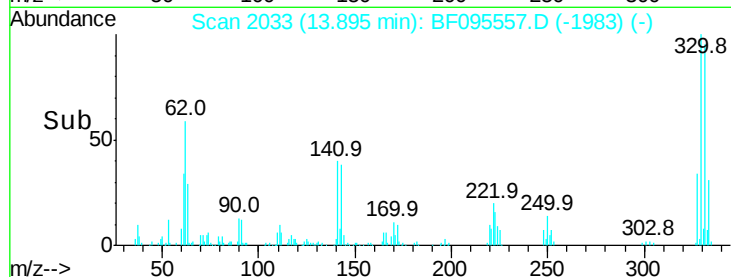
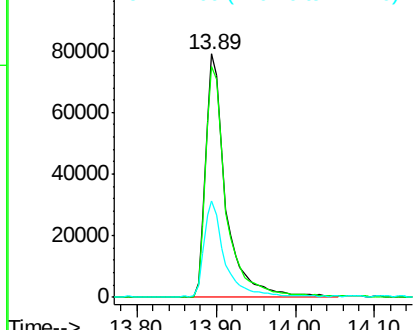
#41  
 2,4,6-Tribromophenol  
 Concen: 141.52 ng  
 RT: 13.89 min Scan# 2033  
 Delta R.T. -0.01 min  
 Lab File: BF095557.D  
 Acq: 31 May 2017 6:07

Instrument :  
 BNA\_F  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.6  | 76.6  | 115.0 |
| 141     | 40.4  | 31.4  | 47.2  |

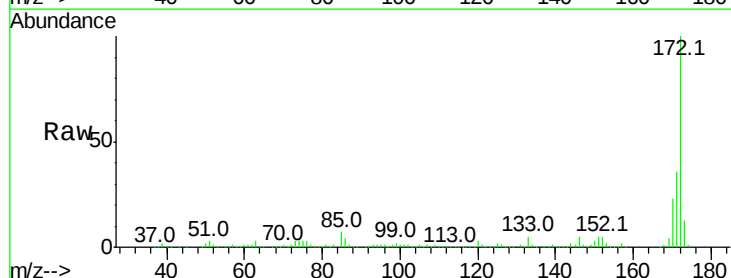


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

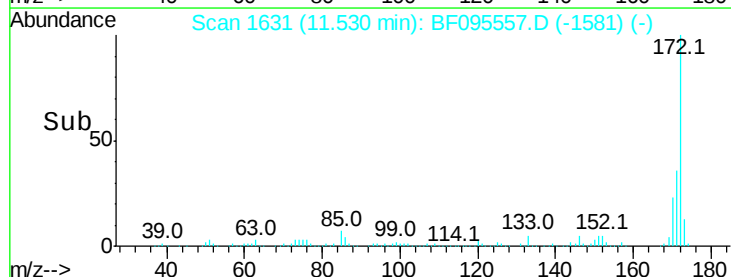
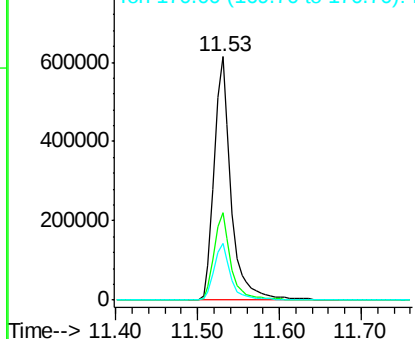


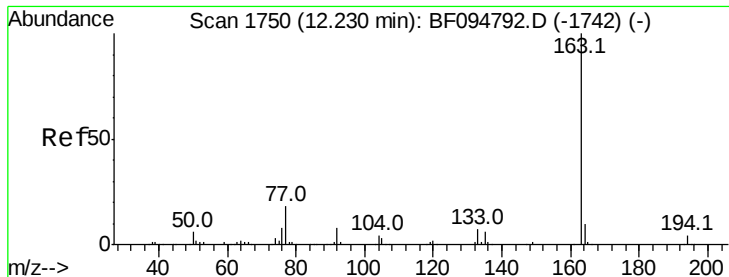
#44  
 2-Fluorobiphenyl  
 Concen: 105.26 ng  
 RT: 11.53 min Scan# 1631  
 Delta R.T. -0.01 min  
 Lab File: BF095557.D  
 Acq: 31 May 2017 6:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.0  | 29.6  | 44.4  |
| 170     | 23.2  | 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





#49

Dimethylphthalate

Concen: 6.09 ng

RT: 12.24 min Scan# 1751

Delta R.T. -0.01 min

Lab File: BF095557.D

Acq: 31 May 2017 6:07

Instrument :

BNA\_F

ClientSampleId :

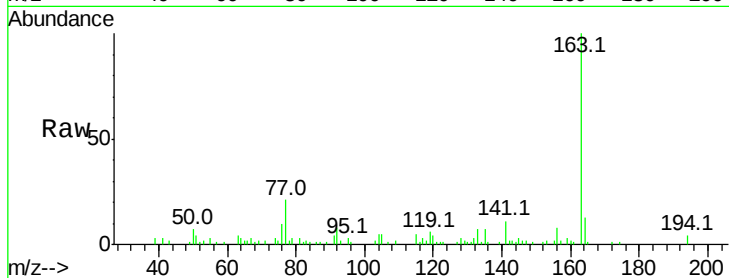
Tot Ion:163 Resp: 60884

Ion Ratio Lower Upper

163 100

194 4.1 2.6 4.0#

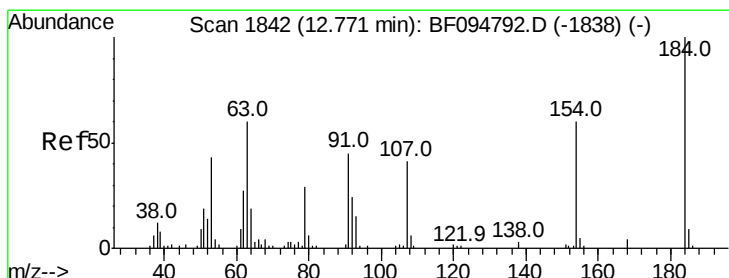
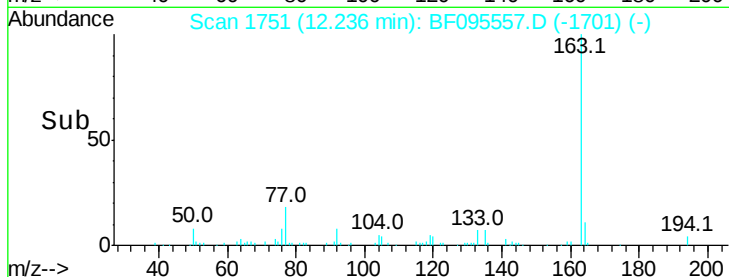
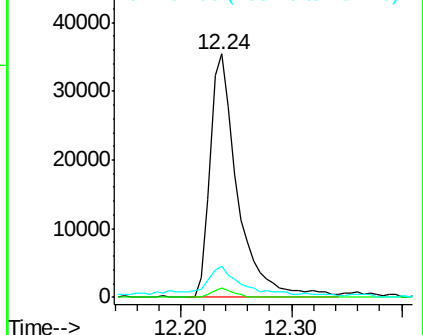
164 12.7 8.4 12.6#



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#53

2,4-Dinitrophenol

Concen: 6.48 ng

RT: 12.89 min Scan# 1862

Delta R.T. 0.05 min

Lab File: BF095557.D

Acq: 31 May 2017 6:07

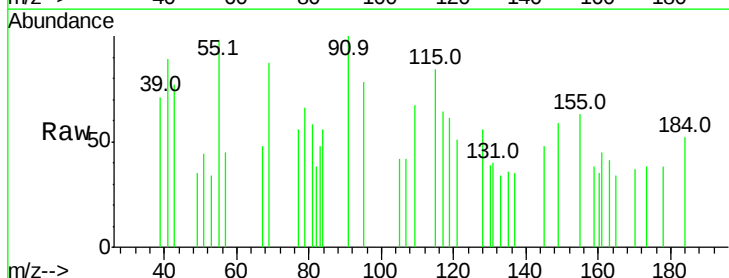
Tgt Ion:184 Resp: 285

Ion Ratio Lower Upper

184 100

63 0.0 62.7 94.1#

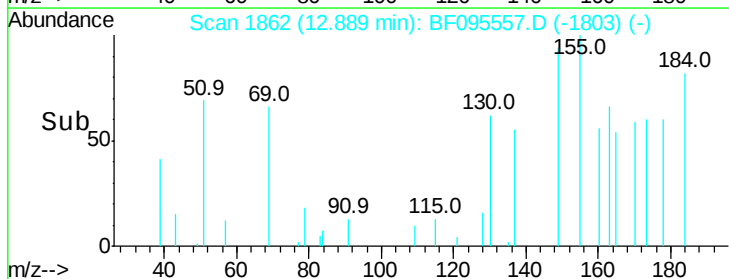
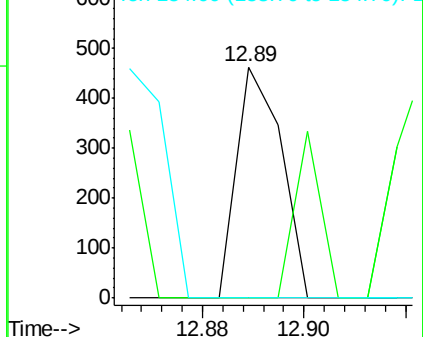
154 0.0 81.1 121.7#

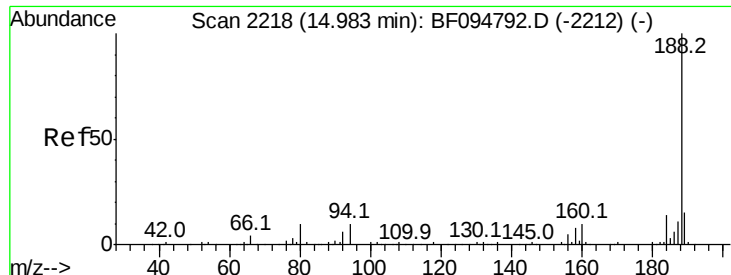


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E

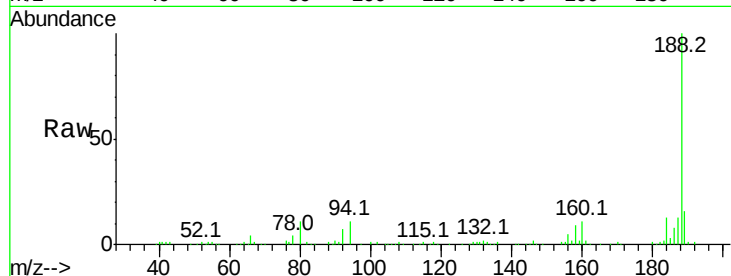




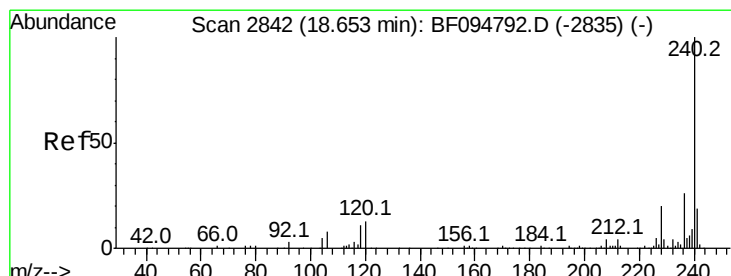
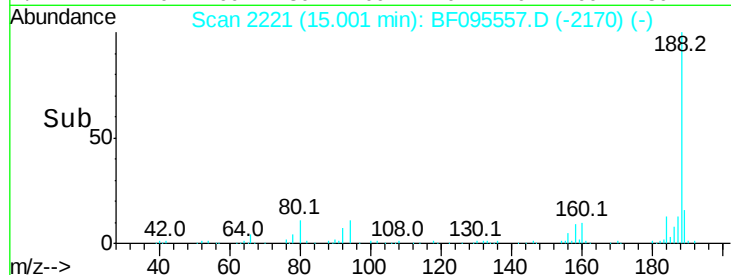
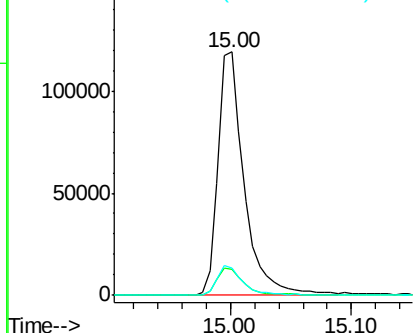
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 15.00 min Scan# 2221  
Delta R.T. -0.00 min  
Lab File: BF095557.D  
Acq: 31 May 2017 6:07

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:188 Resp: 178550  
Ion Ratio Lower Upper  
188 100  
94 10.8 9.4 14.2  
80 11.3 10.2 15.2

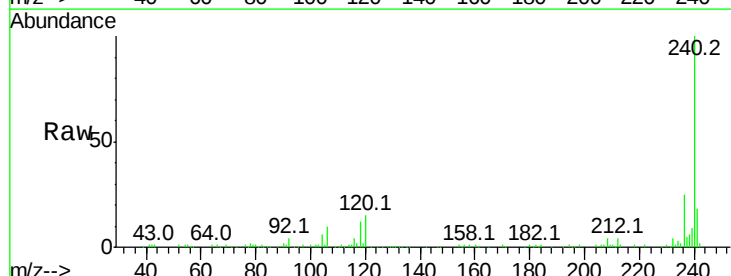


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

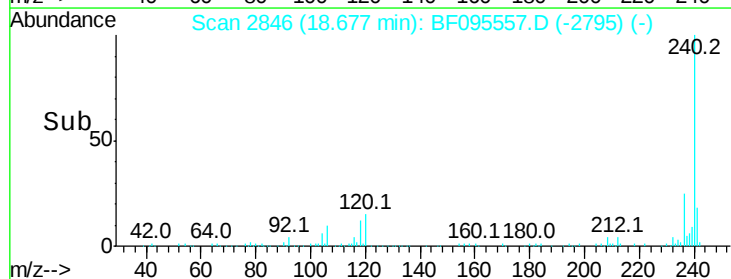
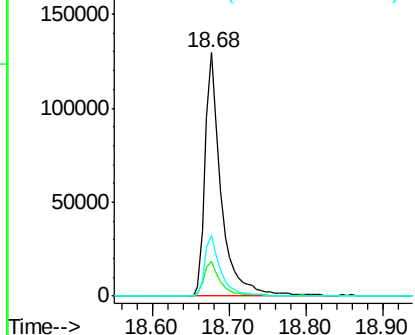


#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 18.68 min Scan# 2846  
Delta R.T. -0.00 min  
Lab File: BF095557.D  
Acq: 31 May 2017 6:07

Tgt Ion:240 Resp: 189671  
Ion Ratio Lower Upper  
240 100  
120 14.5 5.8 8.8#  
236 24.9 20.5 30.7



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

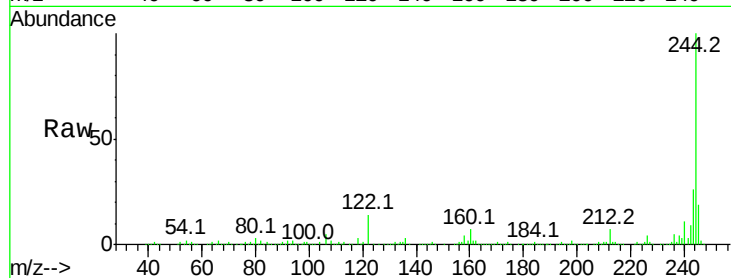




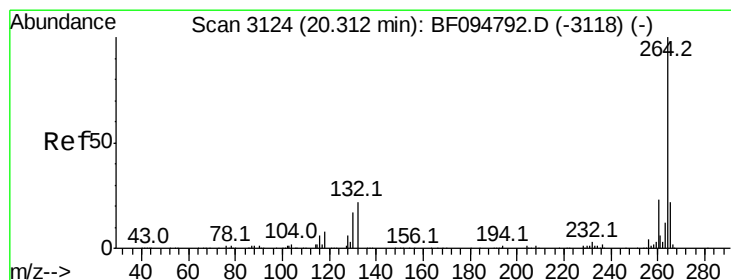
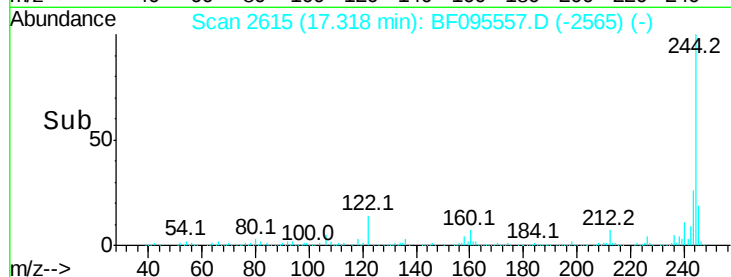
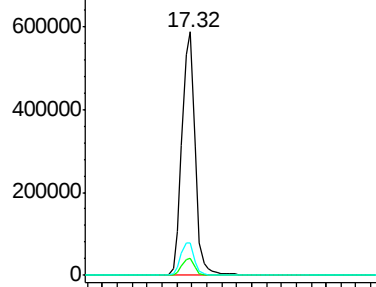
#78  
 Terphenyl-d14  
 Concen: 83.60 ng  
 RT: 17.32 min Scan# 2615  
 Delta R.T. -0.01 min  
 Lab File: BF095557.D  
 Acq: 31 May 2017 6:07

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:244 Resp: 719909  
 Ion Ratio Lower Upper  
 244 100  
 212 6.8 6.0 9.0  
 122 13.6 10.3 15.5

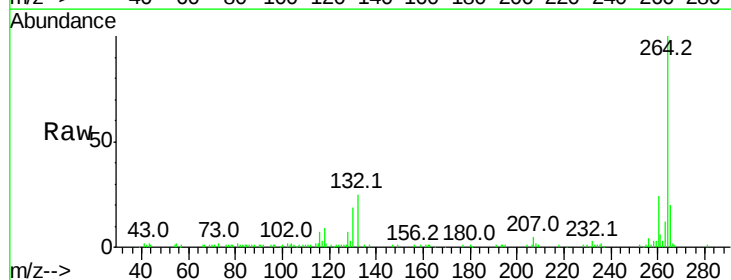


Abundance Ion 244.00 (243.70 to 244.70): E  
 Ion 212.00 (211.70 to 212.70): E  
 Ion 122.00 (121.70 to 122.70): E



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 20.36 min Scan# 3132  
 Delta R.T. 0.01 min  
 Lab File: BF095557.D  
 Acq: 31 May 2017 6:07

Tgt Ion:264 Resp: 120572  
 Ion Ratio Lower Upper  
 264 100  
 260 23.8 19.5 29.3  
 265 20.5 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

