

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051817\  
 Data File : BF095238.D  
 Acq On : 18 May 2017 23:40  
 Operator : SJ/MA  
 Sample : I3187-05  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SP-COMP

Quant Time: May 19 03:57:36 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu May 18 17:07:53 2017  
 Response via : Initial Calibration

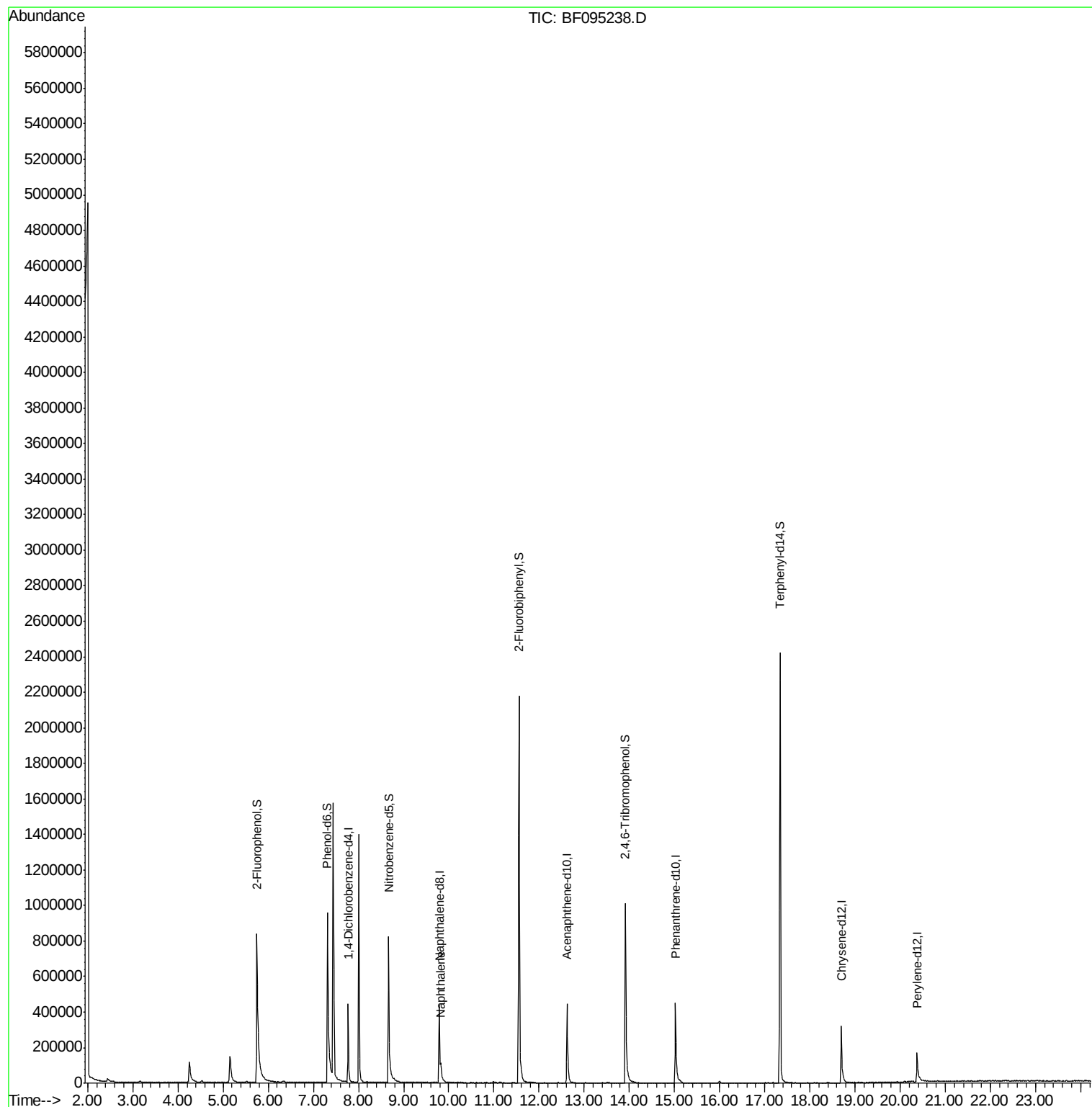
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)      |
|-----------------------------|-------|------|----------|--------|-------|---------------|
| 1) 1,4-Dichlorobenzene-d4   | 7.77  | 152  | 100076   | 20.00  | ng    | 0.00          |
| 21) Naphthalene-d8          | 9.79  | 136  | 402352   | 20.00  | ng    | 0.00          |
| 38) Acenaphthene-d10        | 12.62 | 164  | 172793   | 20.00  | ng    | 0.00          |
| 63) Phenanthrene-d10        | 15.02 | 188  | 312087   | 20.00  | ng    | 0.00          |
| 75) Chrysene-d12            | 18.69 | 240  | 224015   | 20.00  | ng    | 0.00          |
| 86) Perylene-d12            | 20.38 | 264  | 115909   | 20.00  | ng    | 0.01          |
| System Monitoring Compounds |       |      |          |        |       |               |
| 5) 2-Fluorophenol           | 5.75  | 112  | 669220   | 111.49 | ng    | 0.01          |
| 7) Phenol-d6                | 7.31  | 99   | 779125   | 108.18 | ng    | 0.00          |
| 23) Nitrobenzene-d5         | 8.67  | 82   | 481179   | 75.41  | ng    | 0.00          |
| 41) 2,4,6-Tribromophenol    | 13.92 | 330  | 220841   | 156.06 | ng    | 0.00          |
| 44) 2-Fluorobiphenyl        | 11.55 | 172  | 1172625  | 97.68  | ng    | 0.00          |
| 78) Terphenyl-d14           | 17.34 | 244  | 1081699  | 106.35 | ng    | 0.00          |
| Target Compounds            |       |      |          |        |       |               |
| 31) Naphthalene             | 9.82  | 128  | 54656    | 2.70   | ng    | Qvalue<br>100 |

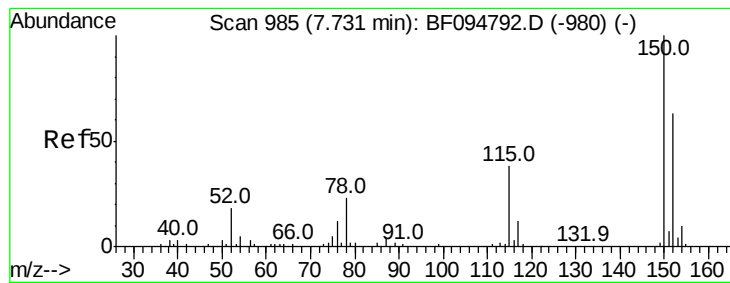
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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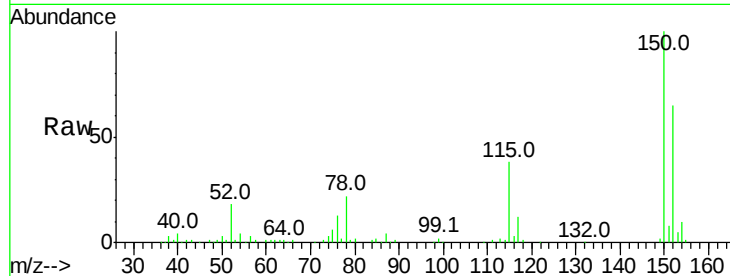


#1

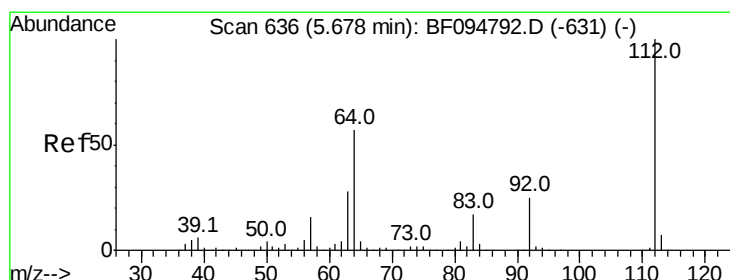
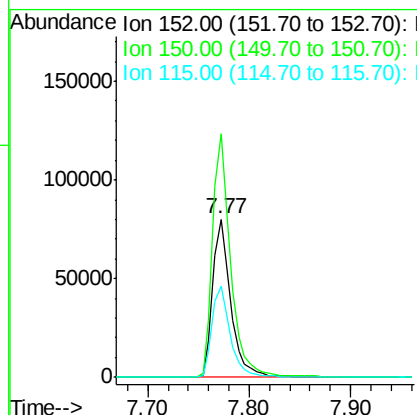
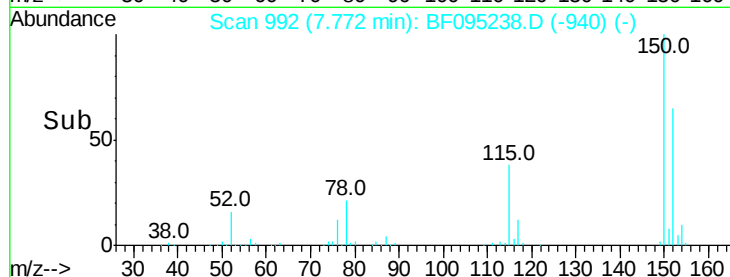
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 7.77 min Scan# 992  
Delta R.T. 0.01 min  
Lab File: BF095238.D  
Acq: 18 May 2017 23:40

Instrument :  
BNA\_F  
ClientSampleId :  
SP-COMP

Tot Ion:152 Resp: 100076  
Ion Ratio Lower Upper  
152 100  
150 153.6 126.2 189.2  
115 58.0 52.2 78.2



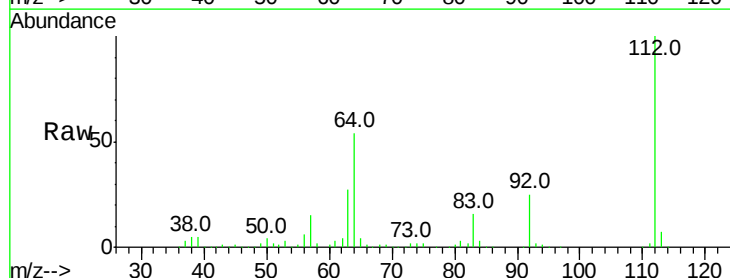
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



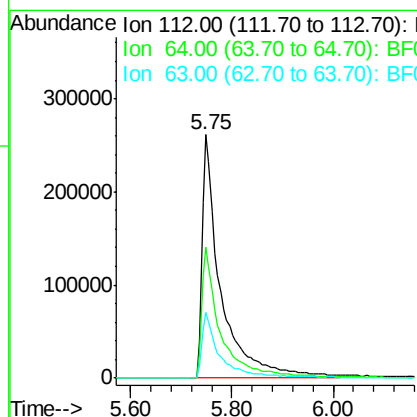
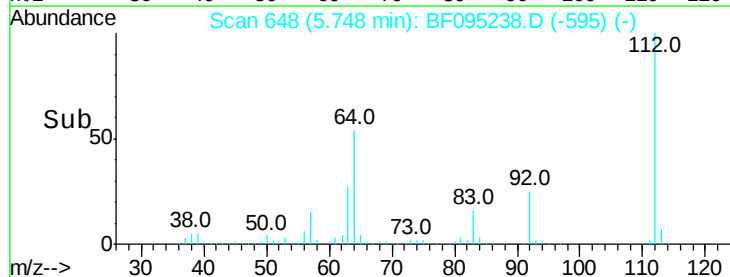
#5

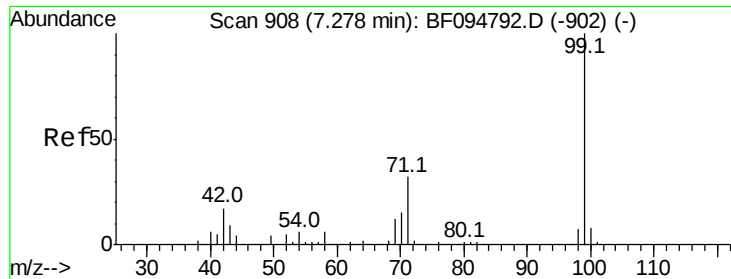
2-Fluorophenol  
Concen: 111.49 ng  
RT: 5.75 min Scan# 648  
Delta R.T. 0.01 min  
Lab File: BF095238.D  
Acq: 18 May 2017 23:40

Tgt Ion:112 Resp: 669220  
Ion Ratio Lower Upper  
112 100  
64 54.0 46.0 69.0  
63 27.0 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: 108.18 ng

RT: 7.31 min Scan# 914

Delta R.T. 0.00 min

Lab File: BF095238.D

Acq: 18 May 2017 23:40

Instrument :

BNA\_F

ClientSampleId :

SP-COMP

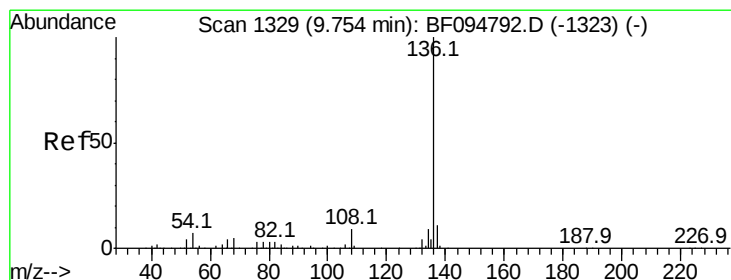
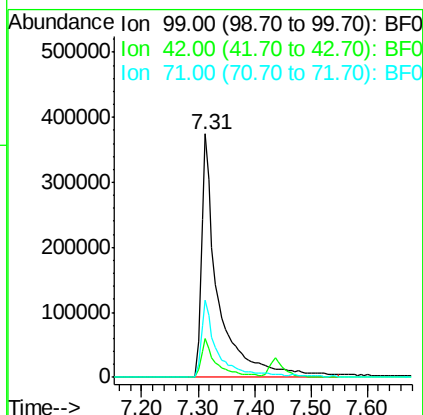
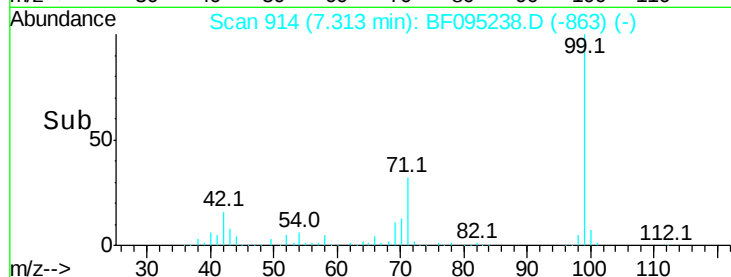
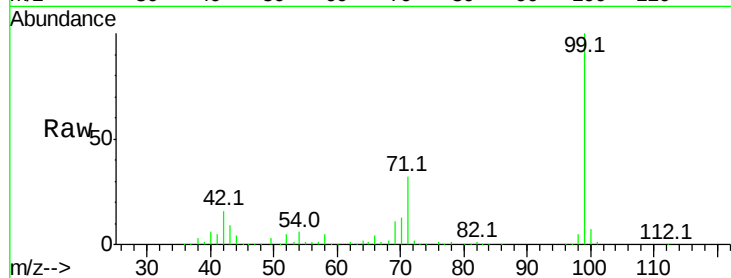
Tot Ion: 99 Resp: 779125

Ion Ratio Lower Upper

99 100

42 16.0 13.5 20.3

71 31.8 24.5 36.7



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.79 min Scan# 1335

Delta R.T. 0.01 min

Lab File: BF095238.D

Acq: 18 May 2017 23:40

Tgt Ion: 136 Resp: 402352

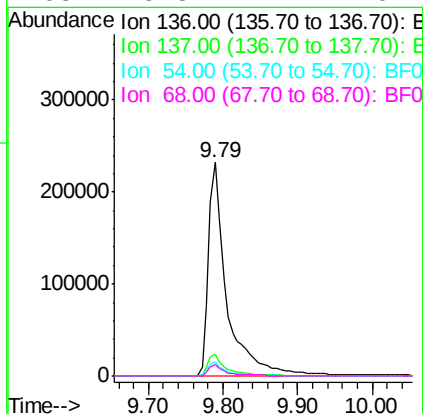
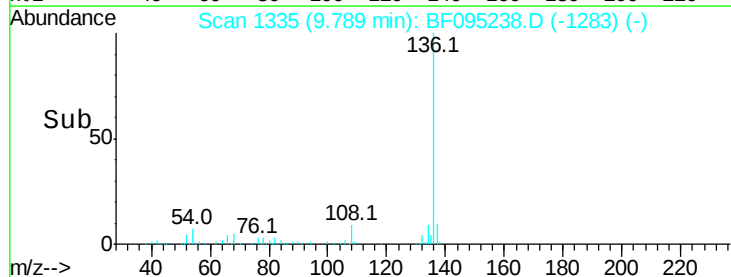
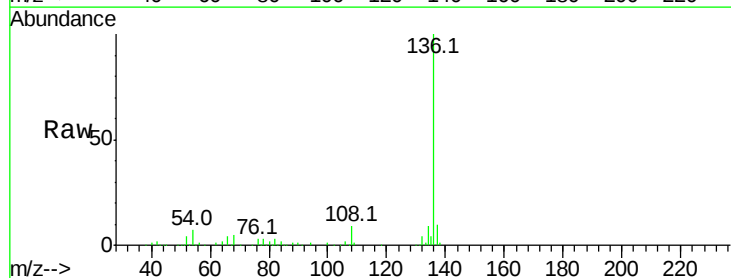
Ion Ratio Lower Upper

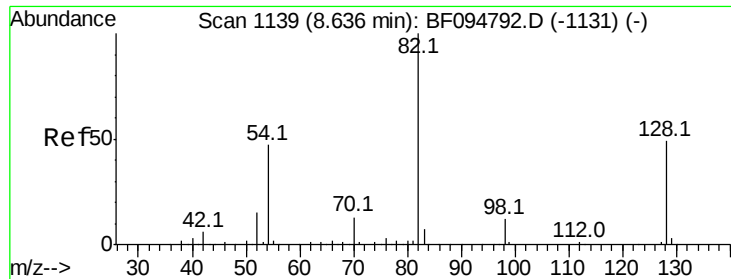
136 100

137 10.5 8.5 12.7

54 6.7 4.9 7.3

68 5.3 4.1 6.1

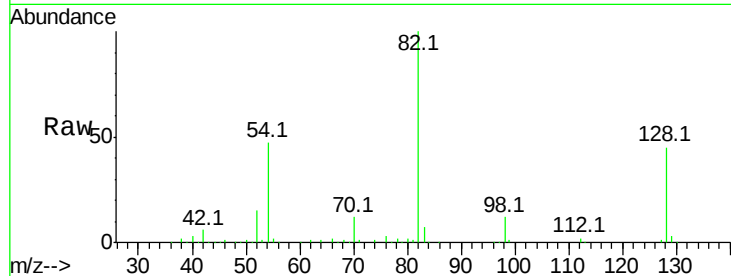




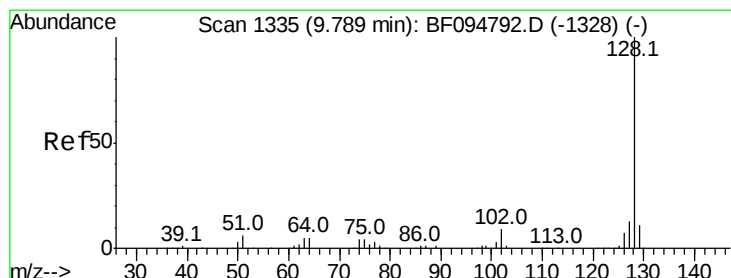
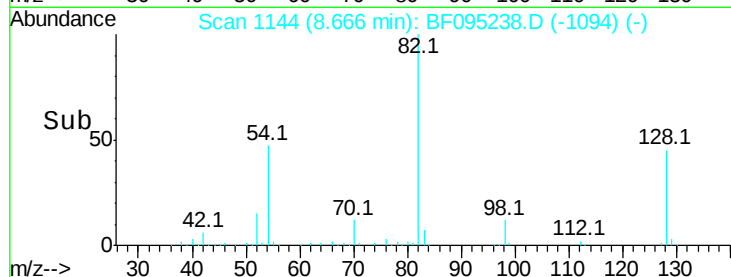
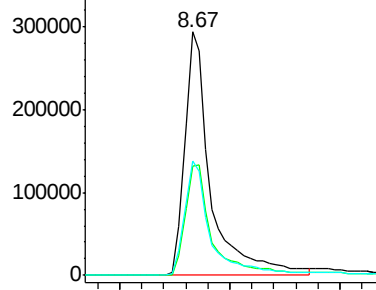
#23  
 Nitrobenzene-d5  
 Concen: 75.41 ng  
 RT: 8.67 min Scan# 1144  
 Delta R.T. -0.01 min  
 Lab File: BF095238.D  
 Acq: 18 May 2017 23:40

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SP-COMP

Tot Ion: 82 Resp: 481179  
 Ion Ratio Lower Upper  
 82 100  
 128 45.1 34.0 51.0  
 54 46.7 42.2 63.2

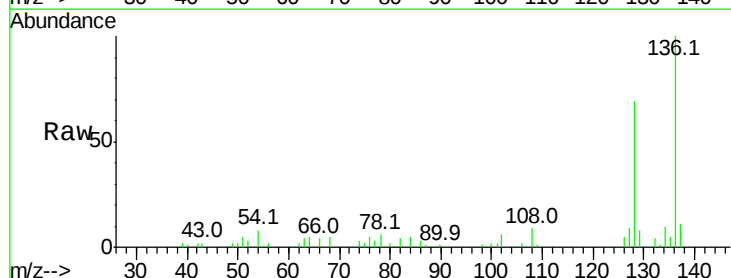


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): E  
 Ion 54.00 (53.70 to 54.70): BF0

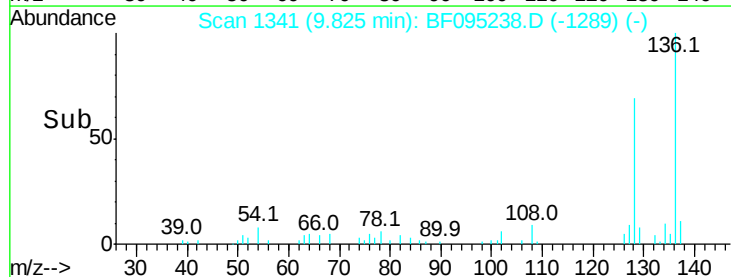
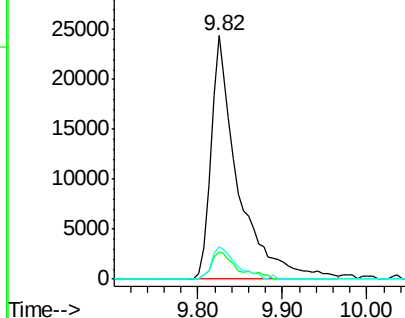


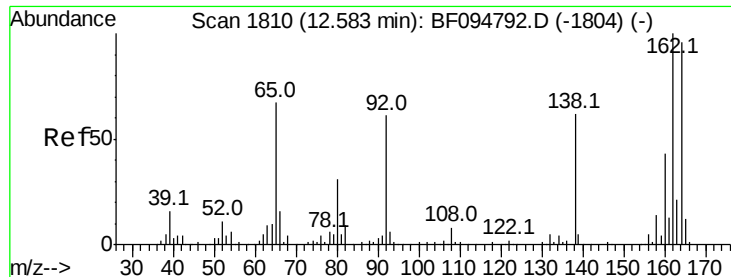
#31  
 Naphthalene  
 Concen: 2.70 ng  
 RT: 9.82 min Scan# 1341  
 Delta R.T. 0.01 min  
 Lab File: BF095238.D  
 Acq: 18 May 2017 23:40

Tgt Ion: 128 Resp: 54656  
 Ion Ratio Lower Upper  
 128 100  
 129 11.2 9.0 13.6  
 127 13.5 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): E  
 Ion 129.00 (128.70 to 129.70): E  
 Ion 127.00 (126.70 to 127.70): E





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 12.62 min Scan# 1816

Delta R.T. 0.00 min

Lab File: BF095238.D

Acq: 18 May 2017 23:40

Instrument :

BNA\_F

ClientSampleId :

SP-COMP

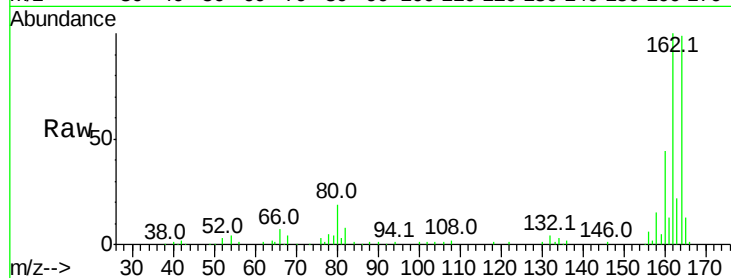
Tot Ion:164 Resp: 172793

Ion Ratio Lower Upper

164 100

162 101.4 82.6 123.8

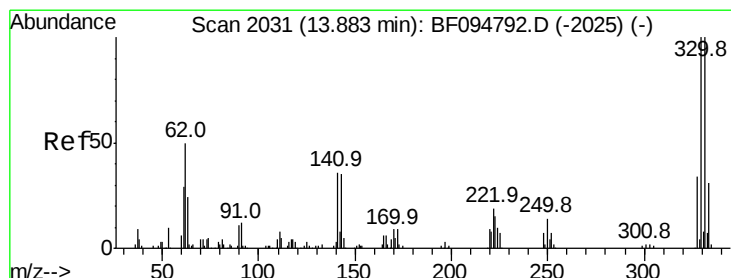
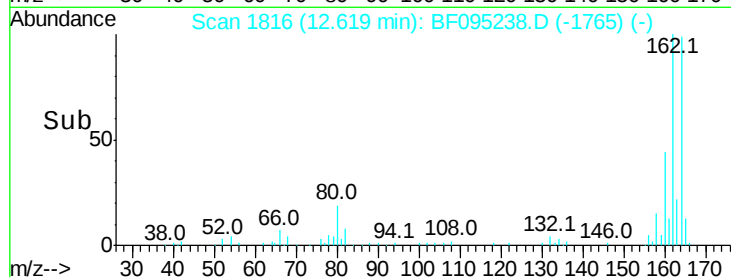
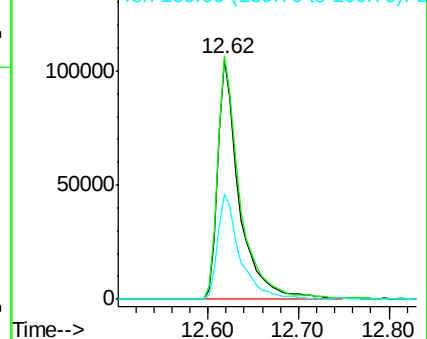
160 44.1 36.2 54.2



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: 156.06 ng

RT: 13.92 min Scan# 2037

Delta R.T. 0.00 min

Lab File: BF095238.D

Acq: 18 May 2017 23:40

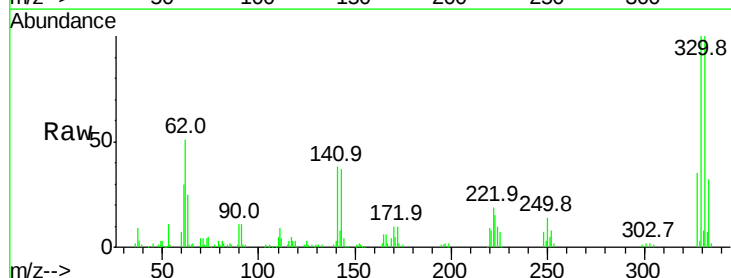
Tgt Ion:330 Resp: 220841

Ion Ratio Lower Upper

330 100

332 97.4 76.6 115.0

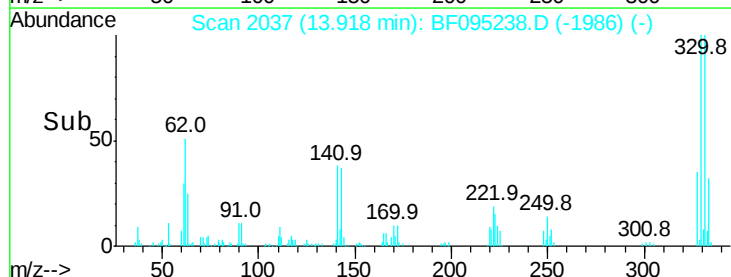
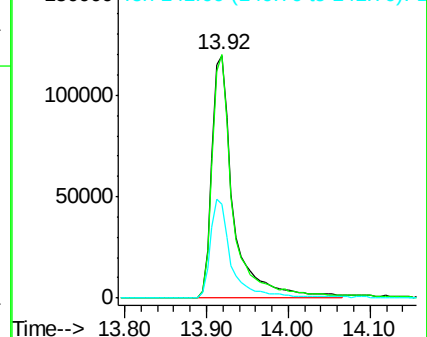
141 40.3 31.4 47.2

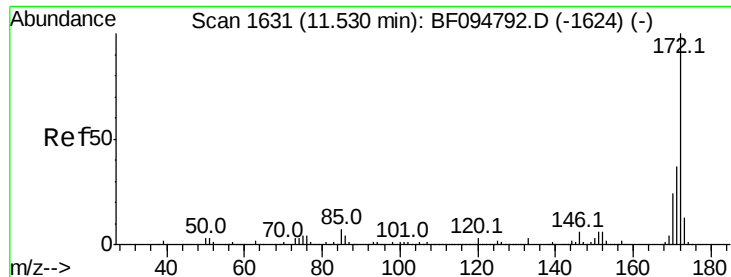


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

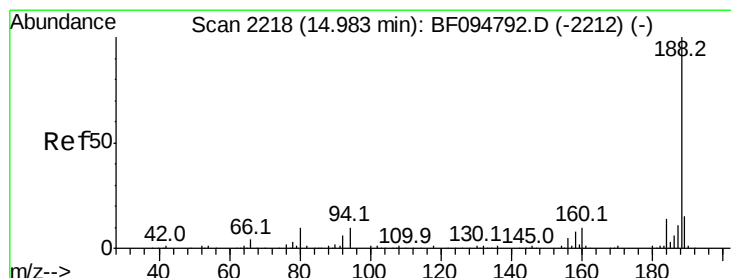
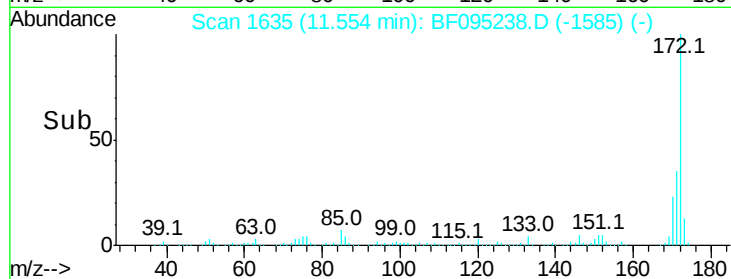
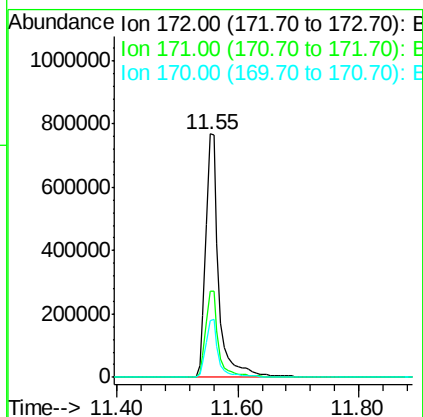
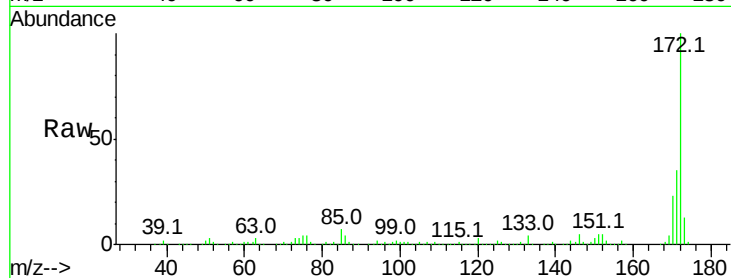




#44  
 2-Fluorobiphenyl  
 Concen: 97.68 ng  
 RT: 11.55 min Scan# 1635  
 Delta R.T. -0.01 min  
 Lab File: BF095238.D  
 Acq: 18 May 2017 23:40

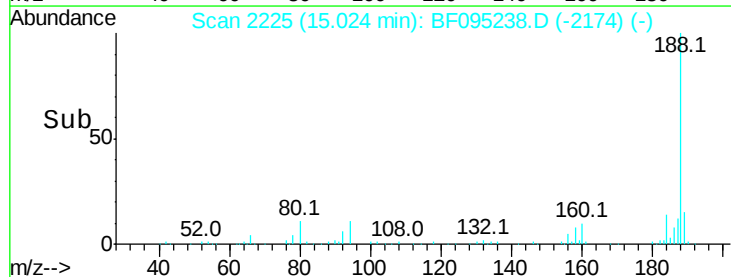
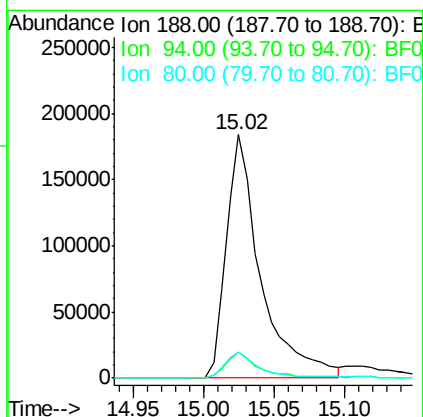
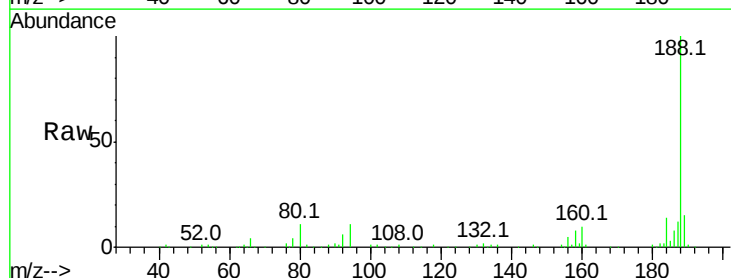
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SP-COMP

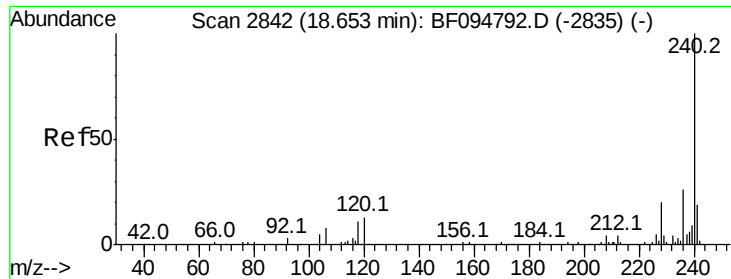
Tot Ion:172 Resp: 1172625  
 Ion Ratio Lower Upper  
 172 100  
 171 35.2 29.6 44.4  
 170 23.2 19.8 29.8



#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 15.02 min Scan# 2225  
 Delta R.T. 0.00 min  
 Lab File: BF095238.D  
 Acq: 18 May 2017 23:40

Tgt Ion:188 Resp: 312087  
 Ion Ratio Lower Upper  
 188 100  
 94 10.8 9.4 14.2  
 80 10.9 10.2 15.2





#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.69 min Scan# 2849

Delta R.T. 0.00 min

Lab File: BF095238.D

Acq: 18 May 2017 23:40

Instrument :

BNA\_F

ClientSampleId :

SP-COMP

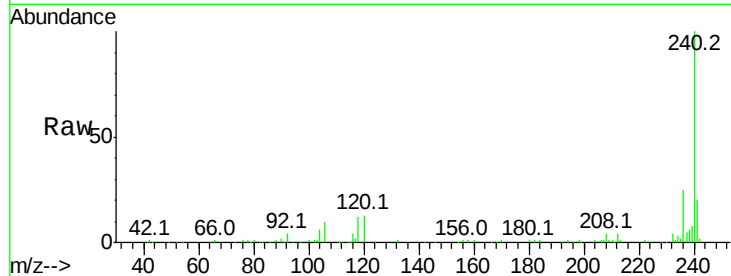
Tot Ion:240 Resp: 224015

Ion Ratio Lower Upper

240 100

120 13.3 5.8 8.8#

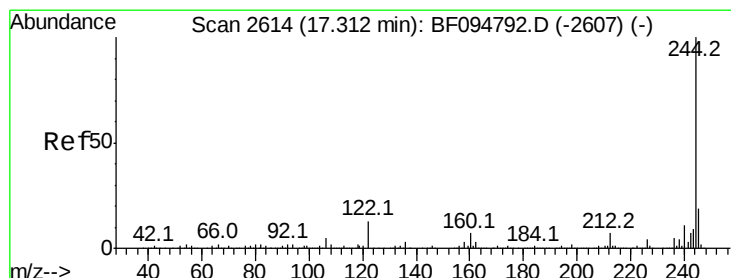
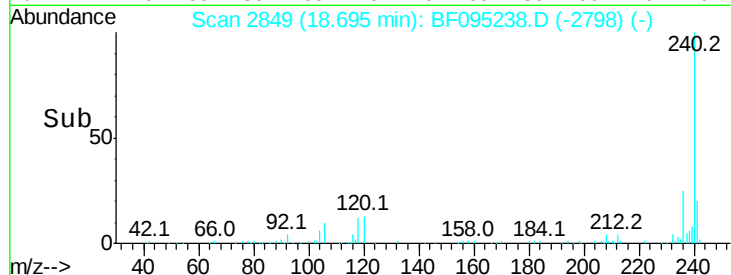
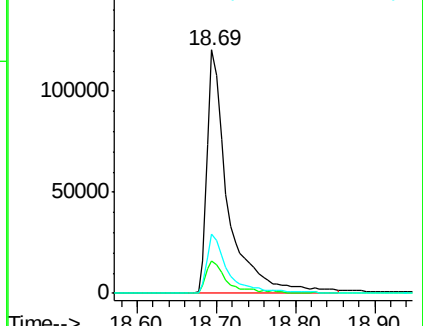
236 24.5 20.5 30.7



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: 106.35 ng

RT: 17.34 min Scan# 2619

Delta R.T. -0.01 min

Lab File: BF095238.D

Acq: 18 May 2017 23:40

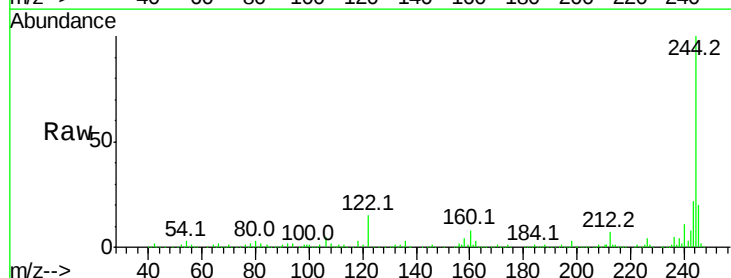
Tgt Ion:244 Resp: 1081699

Ion Ratio Lower Upper

244 100

212 7.1 6.0 9.0

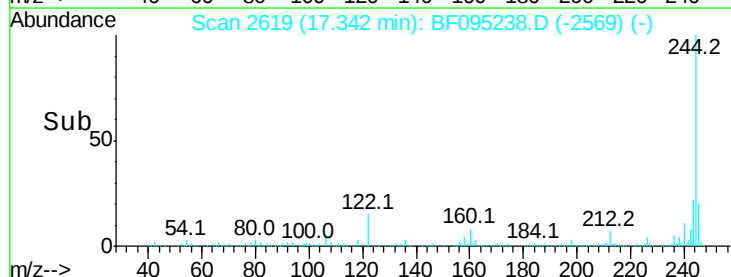
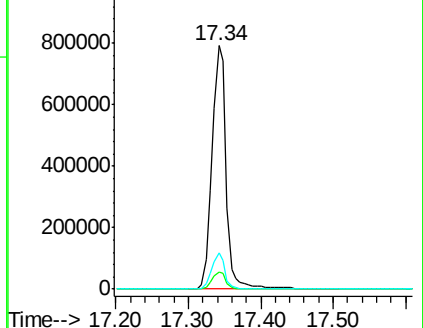
122 14.7 10.3 15.5

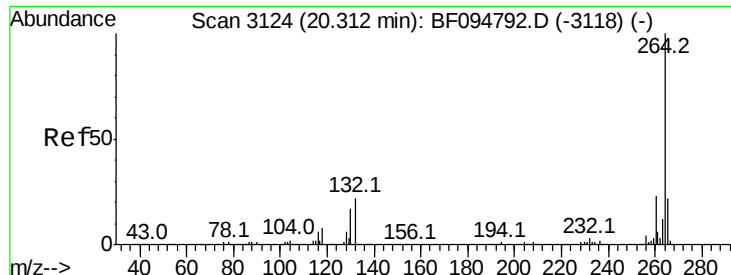


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

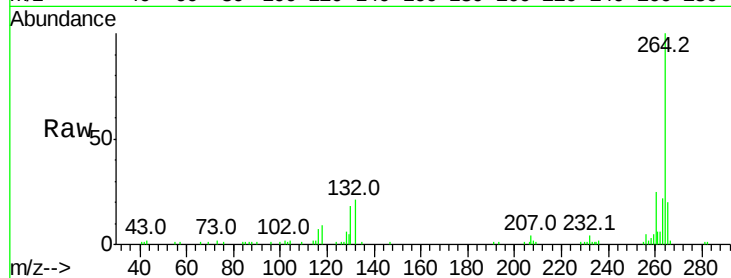




#86  
 Pervlene-d12  
 Concen: 20.00 ng  
 RT: 20.38 min Scan# 3135  
 Delta R.T. 0.01 min  
 Lab File: BF095238.D  
 Acq: 18 May 2017 23:40

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SP-COMP

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 25.0  | 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

