

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF060117\  
 Data File : BF095620.D  
 Acq On : 2 Jun 2017 6:01  
 Operator : SJ/MA  
 Sample : I3420-10  
 Misc :  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-1-TP-2

Quant Time: Jun 02 08:18:53 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 18:51:16 2017  
 Response via : Initial Calibration

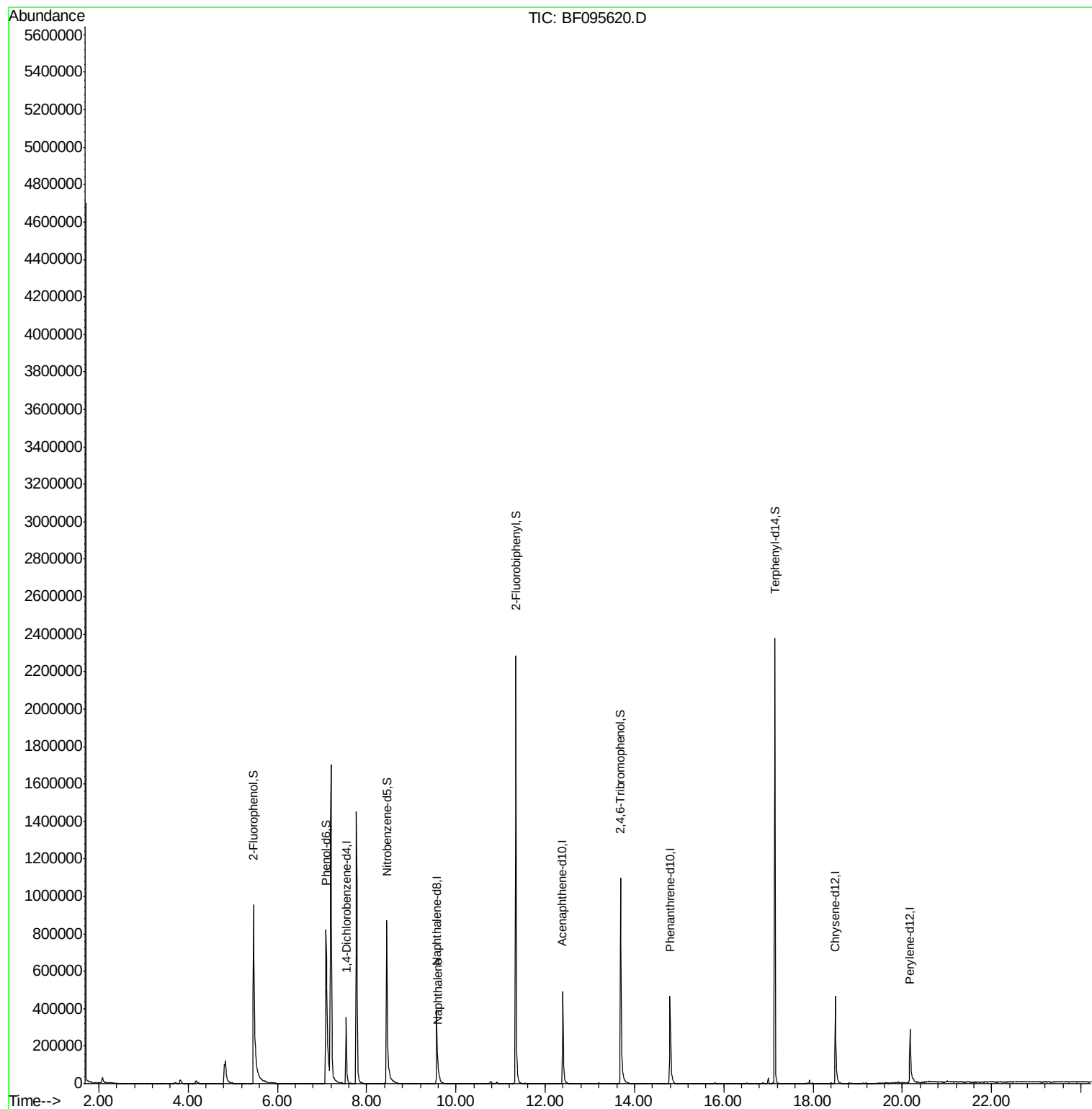
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)  |
|-----------------------------|-------|------|----------|--------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.54  | 152  | 89168    | 20.00  | ng    | 0.00      |
| 21) Naphthalene-d8          | 9.57  | 136  | 367618   | 20.00  | ng    | 0.00      |
| 38) Acenaphthene-d10        | 12.39 | 164  | 169658   | 20.00  | ng    | 0.00      |
| 63) Phenanthrene-d10        | 14.80 | 188  | 334894   | 20.00  | ng    | 0.00      |
| 75) Chrysene-d12            | 18.50 | 240  | 291387   | 20.00  | ng    | 0.00      |
| 86) Perylene-d12            | 20.17 | 264  | 201195   | 20.00  | ng    | 0.00      |
| System Monitoring Compounds |       |      |          |        |       |           |
| 5) 2-Fluorophenol           | 5.46  | 112  | 720277   | 134.67 | ng    | 0.02      |
| 7) Phenol-d6                | 7.09  | 99   | 812592   | 126.63 | ng    | 0.00      |
| 23) Nitrobenzene-d5         | 8.45  | 82   | 560726   | 96.18  | ng    | -0.01     |
| 41) 2,4,6-Tribromophenol    | 13.69 | 330  | 222301   | 159.99 | ng    | 0.00      |
| 44) 2-Fluorobiphenyl        | 11.34 | 172  | 1135328  | 96.32  | ng    | 0.00      |
| 78) Terphenyl-d14           | 17.15 | 244  | 1024246  | 77.42  | ng    | 0.00      |
| Target Compounds            |       |      |          |        |       |           |
| 31) Naphthalene             | 9.61  | 128  | 40263    | 2.179  | ng    | Qvalue 97 |

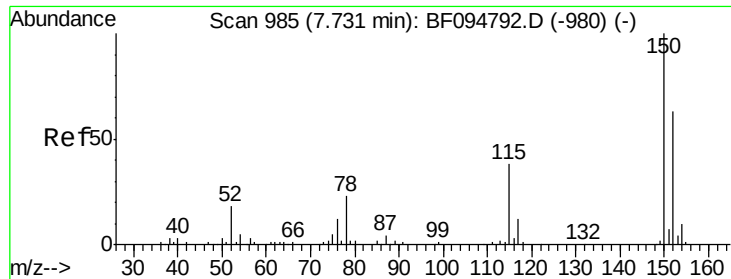
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF060117\  
Data File : BF095620.D  
Acq On : 2 Jun 2017 6:01  
Operator : SJ/MA  
Sample : I3420-10  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TP-1-TP-2

Quant Time: Jun 02 08:18:53 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 18:51:16 2017  
Response via : Initial Calibration



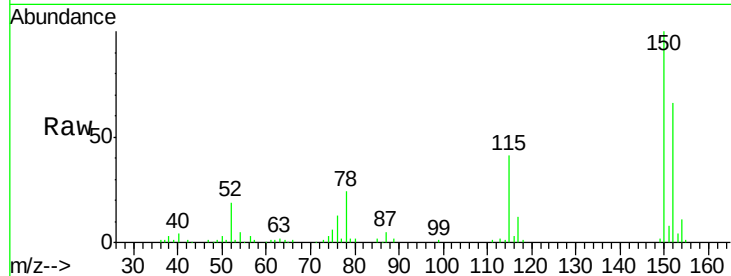


#1

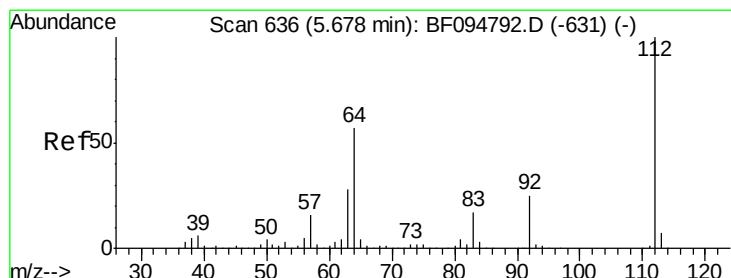
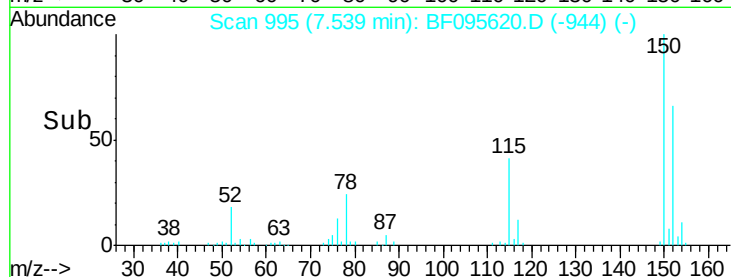
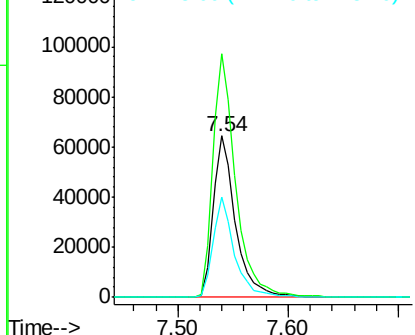
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.54 min Scan# 995  
Delta R.T. -0.00 min  
Lab File: BF095620.D  
Acq: 2 Jun 2017 6:01

Instrument :  
BNA\_F  
ClientSampleId :  
TP-1-TP-2

Tgt Ion:152 Resp: 89168  
Ion Ratio Lower Upper  
152 100  
150 150.9 126.2 189.2  
115 62.4 52.2 78.2



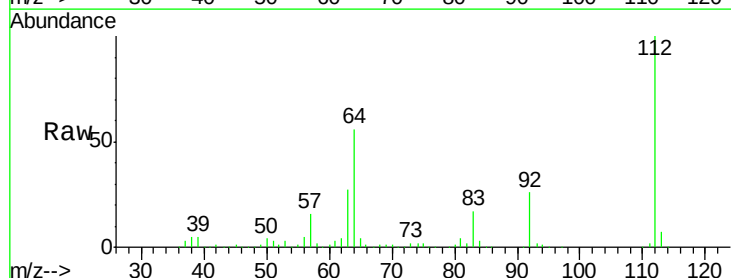
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



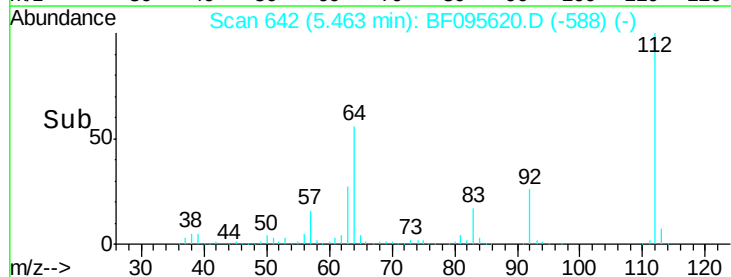
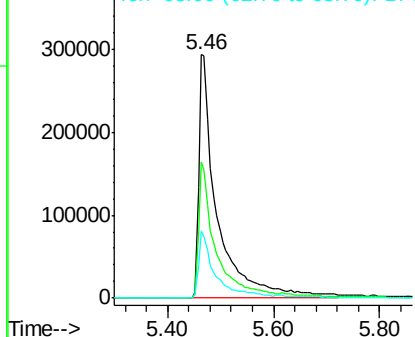
#5

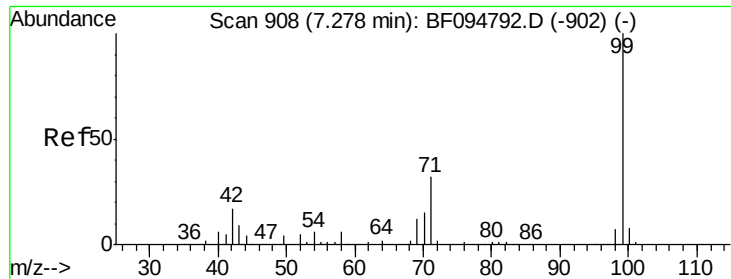
2-Fluorophenol  
Concen: 134.673 ng  
RT: 5.46 min Scan# 642  
Delta R.T. 0.02 min  
Lab File: BF095620.D  
Acq: 2 Jun 2017 6:01

Tgt Ion:112 Resp: 720277  
Ion Ratio Lower Upper  
112 100  
64 55.8 46.0 69.0  
63 27.4 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: 126.628 ng

RT: 7.09 min Scan# 919

Delta R.T. -0.01 min

Lab File: BF095620.D

Acq: 2 Jun 2017 6:01

Instrument :

BNA\_F

ClientSampleId :

TP-1-TP-2

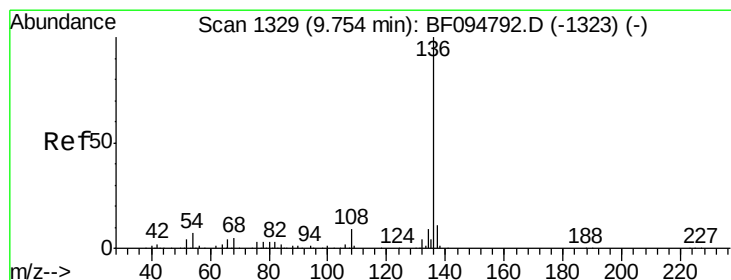
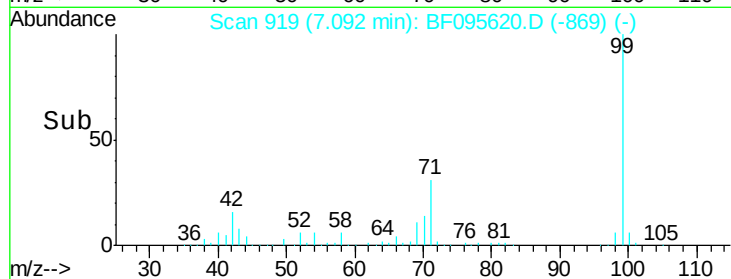
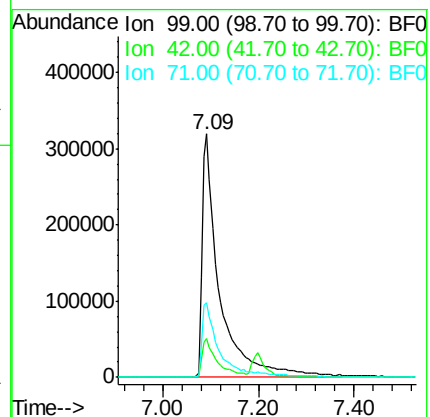
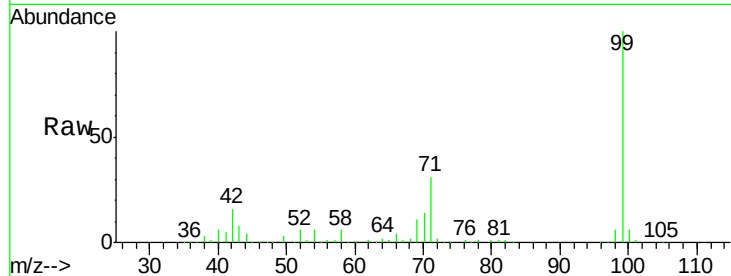
Tgt Ion: 99 Resp: 812592

Ion Ratio Lower Upper

99 100

42 15.8 13.5 20.3

71 30.7 24.5 36.7



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 9.57 min Scan# 1340

Delta R.T. -0.01 min

Lab File: BF095620.D

Acq: 2 Jun 2017 6:01

Tgt Ion: 136 Resp: 367618

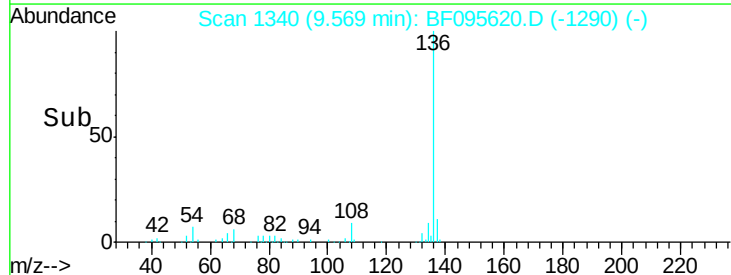
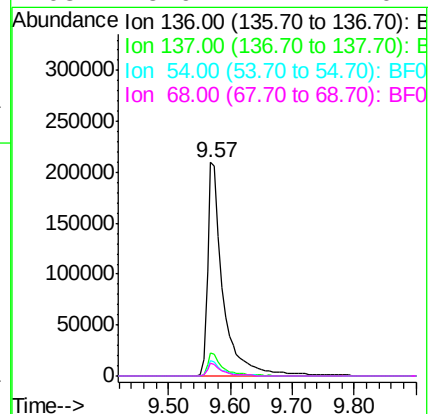
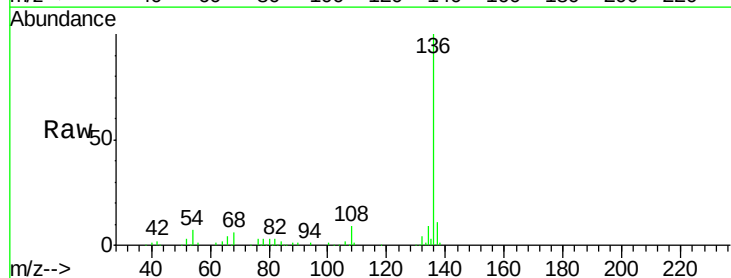
Ion Ratio Lower Upper

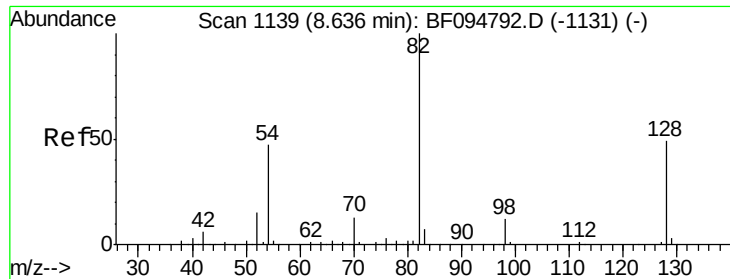
136 100

137 10.6 8.5 12.7

54 7.2 4.9 7.3

68 5.9 4.1 6.1

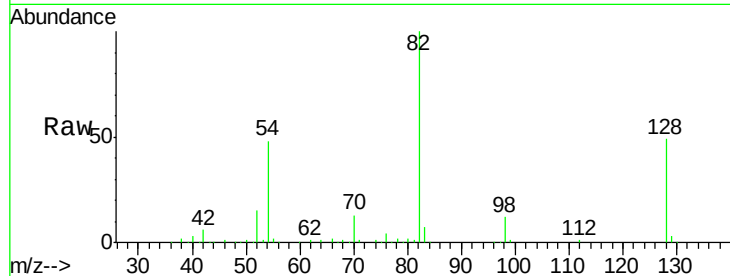




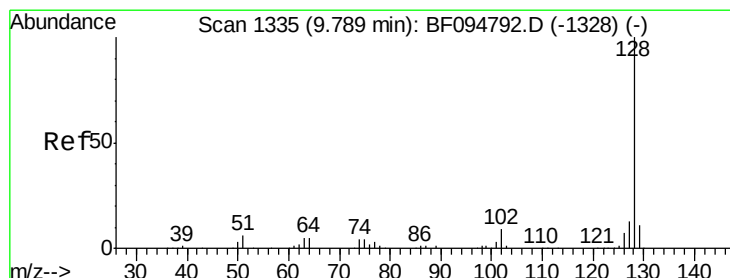
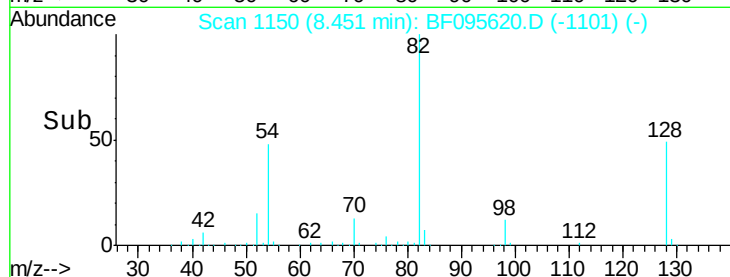
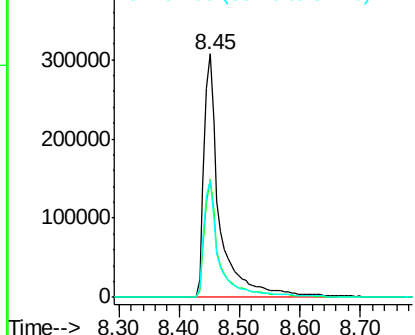
#23  
 Nitrobenzene-d5  
 Concen: 96.183 ng  
 RT: 8.45 min Scan# 1150  
 Delta R.T. -0.01 min  
 Lab File: BF095620.D  
 Acq: 2 Jun 2017 6:01

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-1-TP-2

Tgt Ion: 82 Resp: 560726  
 Ion Ratio Lower Upper  
 82 100  
 128 48.6 34.0 51.0  
 54 47.8 42.2 63.2

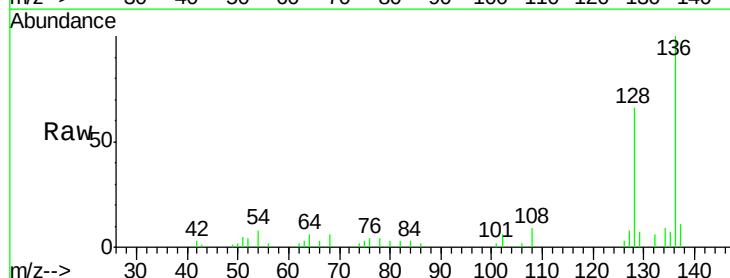


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): E  
 Ion 54.00 (53.70 to 54.70): BF0

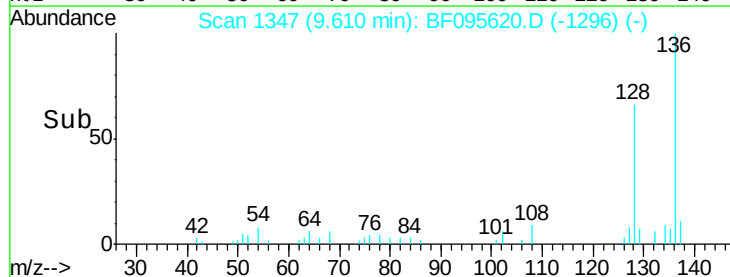
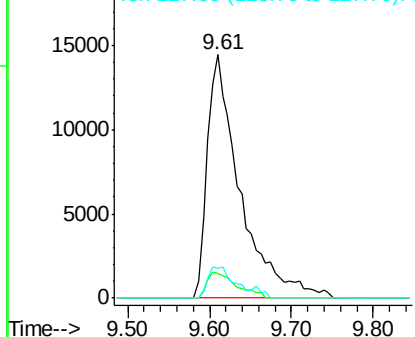


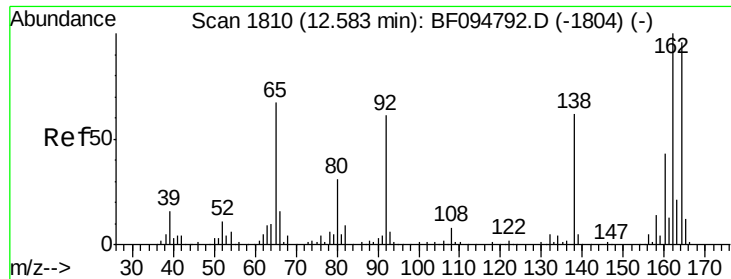
#31  
 Naphthalene  
 Concen: 2.179 ng  
 RT: 9.61 min Scan# 1347  
 Delta R.T. -0.00 min  
 Lab File: BF095620.D  
 Acq: 2 Jun 2017 6:01

Tgt Ion: 128 Resp: 40263  
 Ion Ratio Lower Upper  
 128 100  
 129 10.3 9.0 13.6  
 127 12.3 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: 20.000 ng

RT: 12.39 min Scan# 1820

Delta R.T. -0.01 min

Lab File: BF095620.D

Acq: 2 Jun 2017 6:01

Instrument :

BNA\_F

ClientSampleId :

TP-1-TP-2

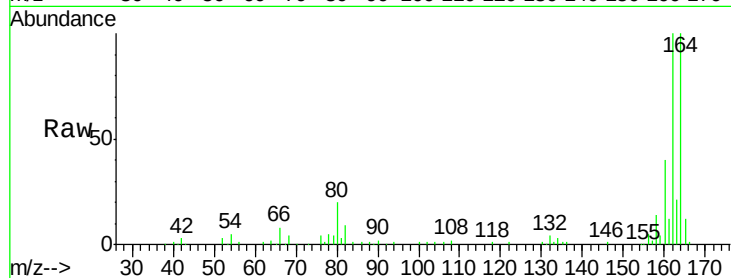
Tgt Ion:164 Resp: 169658

Ion Ratio Lower Upper

164 100

162 99.6 82.6 123.8

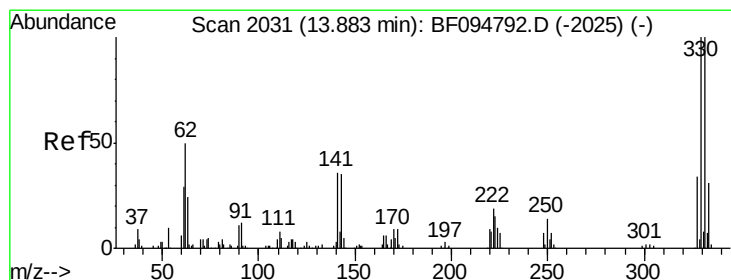
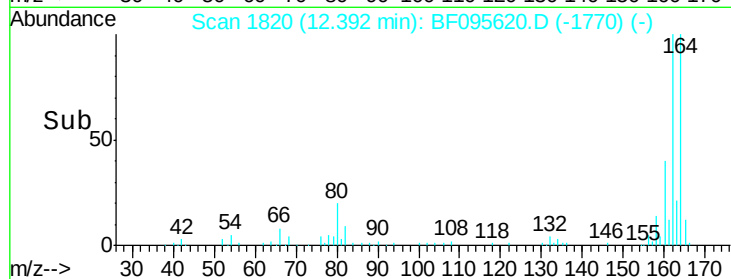
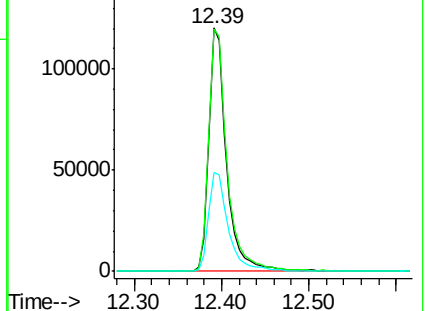
160 40.5 36.2 54.2



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: 159.993 ng

RT: 13.69 min Scan# 2041

Delta R.T. -0.01 min

Lab File: BF095620.D

Acq: 2 Jun 2017 6:01

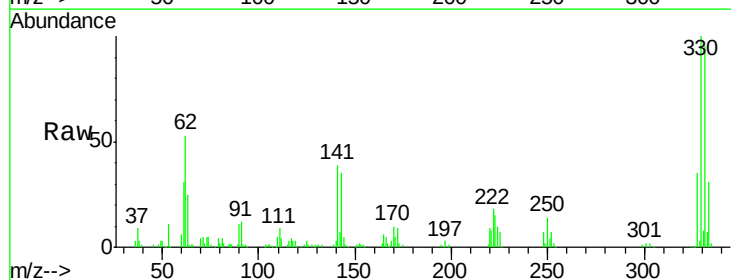
Tgt Ion:330 Resp: 222301

Ion Ratio Lower Upper

330 100

332 94.8 76.6 115.0

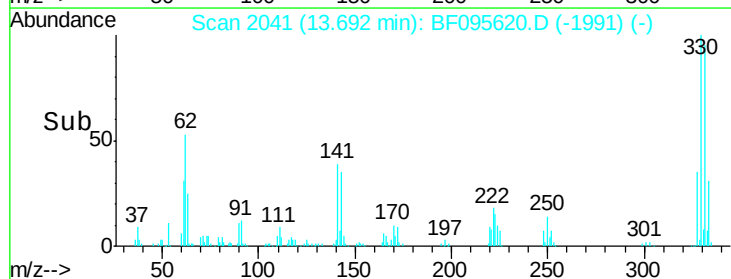
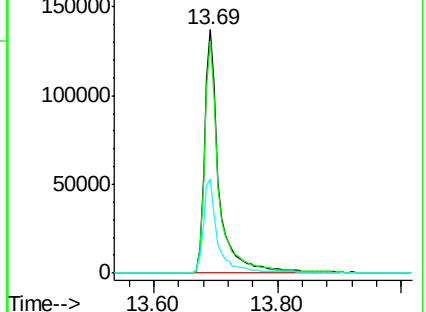
141 38.9 31.4 47.2

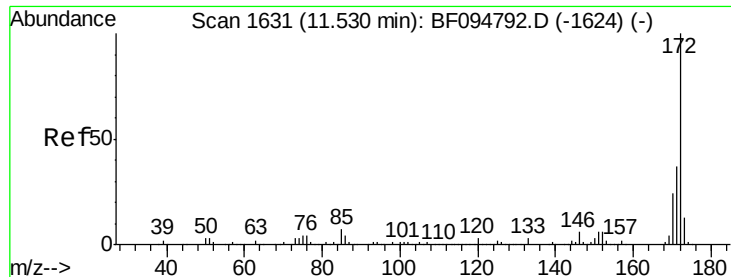


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

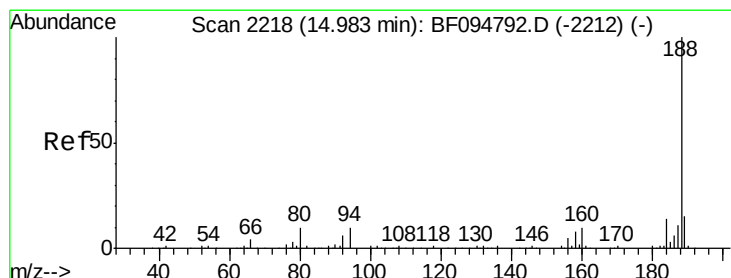
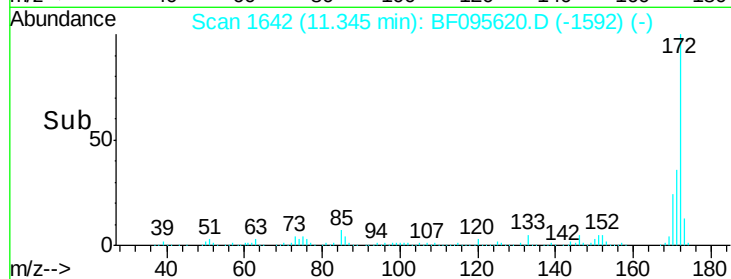
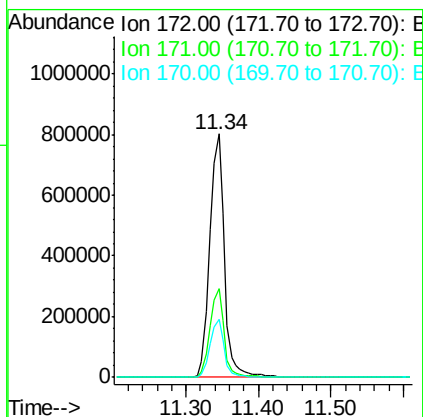
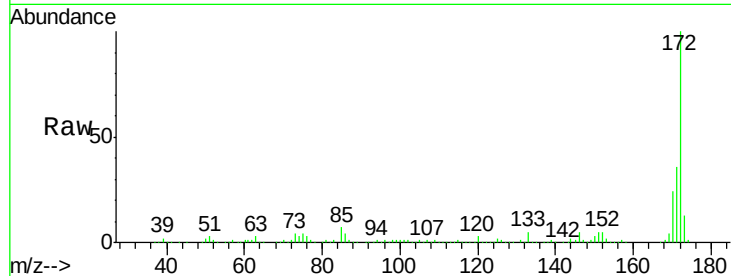




#44  
 2-Fluorobiphenyl  
 Concen: 96.319 ng  
 RT: 11.34 min Scan# 1642  
 Delta R.T. -0.01 min  
 Lab File: BF095620.D  
 Acq: 2 Jun 2017 6:01

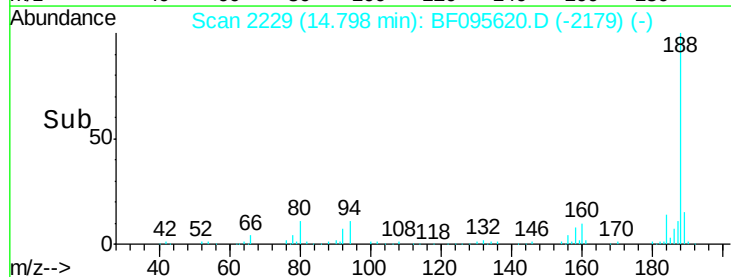
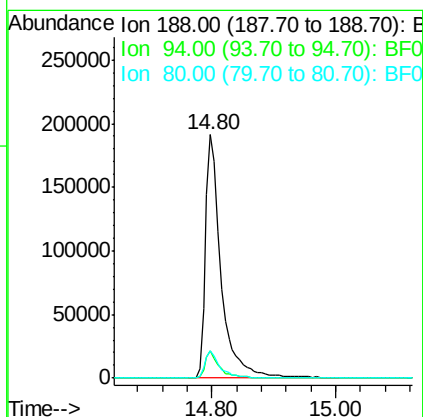
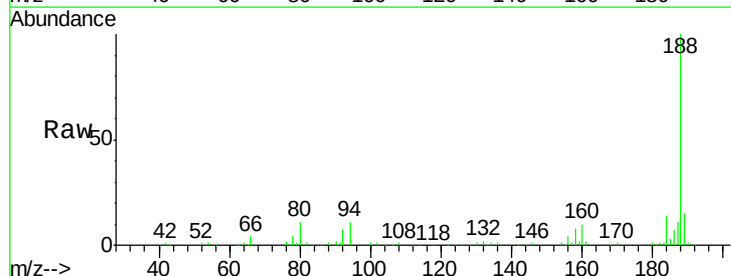
Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-1-TP-2

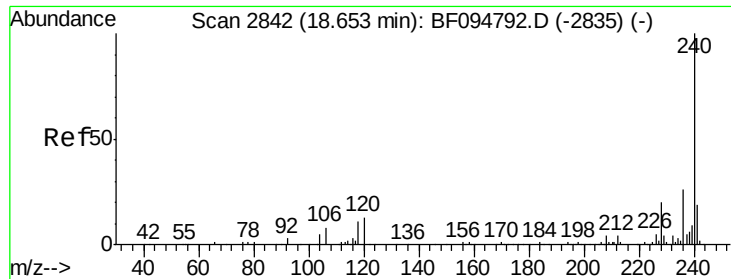
Tgt Ion:172 Resp: 1135328  
 Ion Ratio Lower Upper  
 172 100  
 171 36.3 29.6 44.4  
 170 23.8 19.8 29.8



#63  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 14.80 min Scan# 2229  
 Delta R.T. -0.01 min  
 Lab File: BF095620.D  
 Acq: 2 Jun 2017 6:01

Tgt Ion:188 Resp: 334894  
 Ion Ratio Lower Upper  
 188 100  
 94 11.3 9.4 14.2  
 80 11.1 10.2 15.2

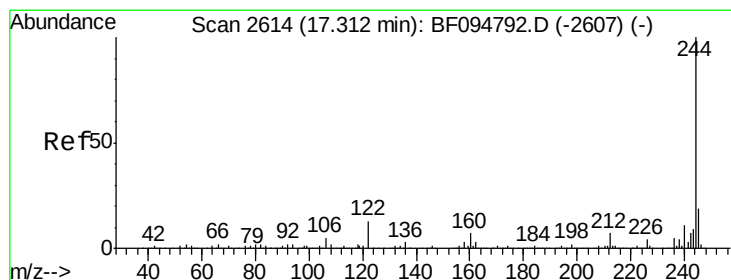
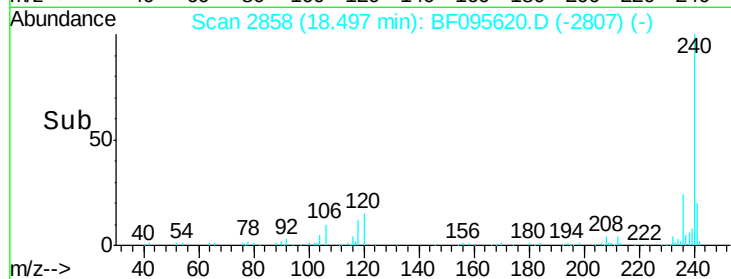
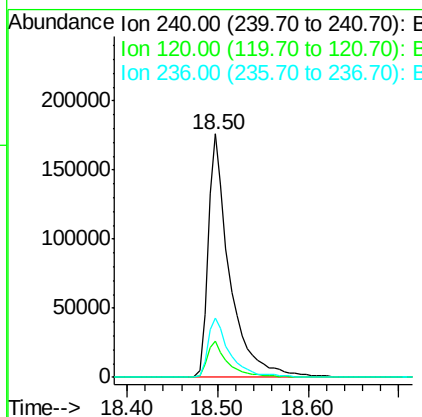
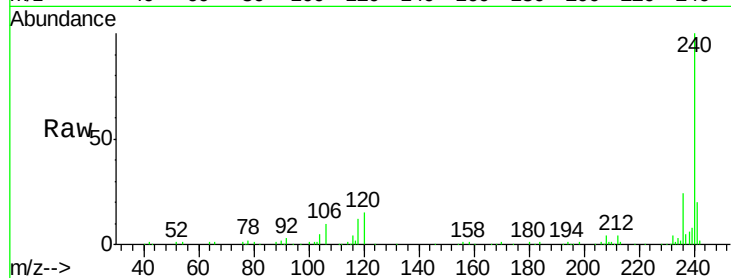




#75  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 18.50 min Scan# 2858  
 Delta R.T. -0.00 min  
 Lab File: BF095620.D  
 Acq: 2 Jun 2017 6:01

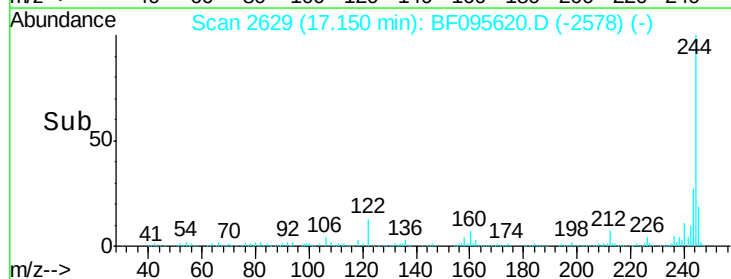
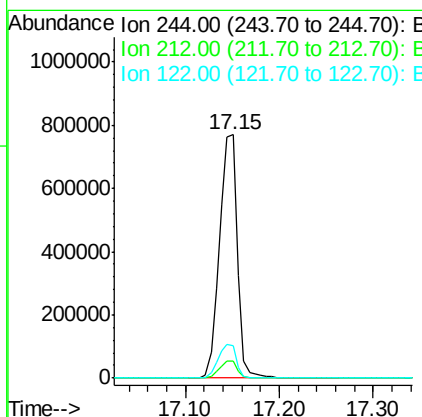
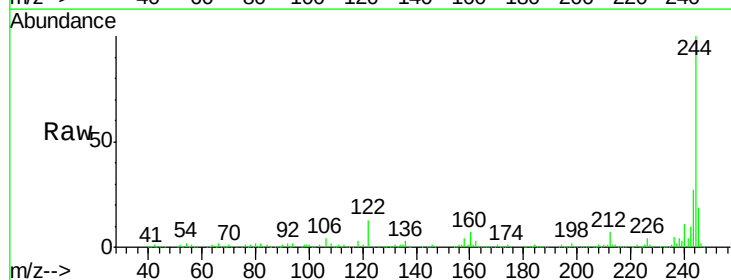
Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-1-TP-2

Tgt Ion:240 Resp: 291387  
 Ion Ratio Lower Upper  
 240 100  
 120 14.6 5.8 8.8#  
 236 24.3 20.5 30.7

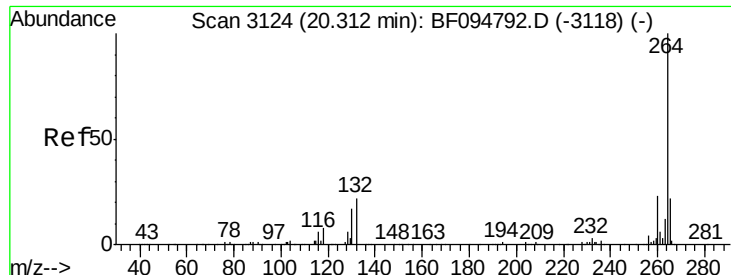


#78  
 Terphenyl-d14  
 Concen: 77.422 ng  
 RT: 17.15 min Scan# 2629  
 Delta R.T. -0.00 min  
 Lab File: BF095620.D  
 Acq: 2 Jun 2017 6:01

Tgt Ion:244 Resp: 1024246  
 Ion Ratio Lower Upper  
 244 100  
 212 7.0 6.0 9.0  
 122 13.1 10.3 15.5



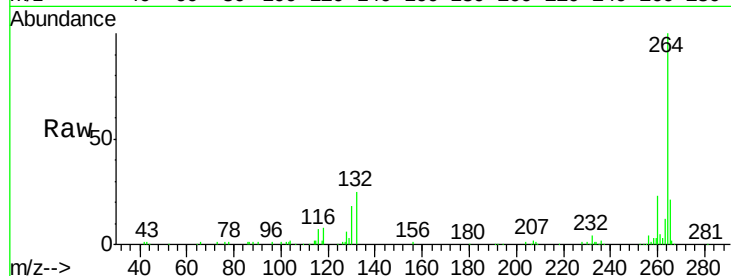




#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 20.17 min Scan# 3143  
Delta R.T. 0.01 min  
Lab File: BF095620.D  
Acq: 2 Jun 2017 6:01

Instrument :  
BNA\_F  
ClientSampleId :  
TP-1-TP-2

Tgt Ion: 264 Resp: 201195  
Ion Ratio Lower Upper  
264 100  
260 23.3 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

