

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062117\  
 Data File : BF096108.D  
 Acq On : 22 Jun 2017 5:52  
 Operator : SJ/MA  
 Sample : I3747-05  
 Misc :  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 E2-R5-NSW

Quant Time: Jun 22 07:37:08 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jun 20 16:05:47 2017  
 Response via : Initial Calibration

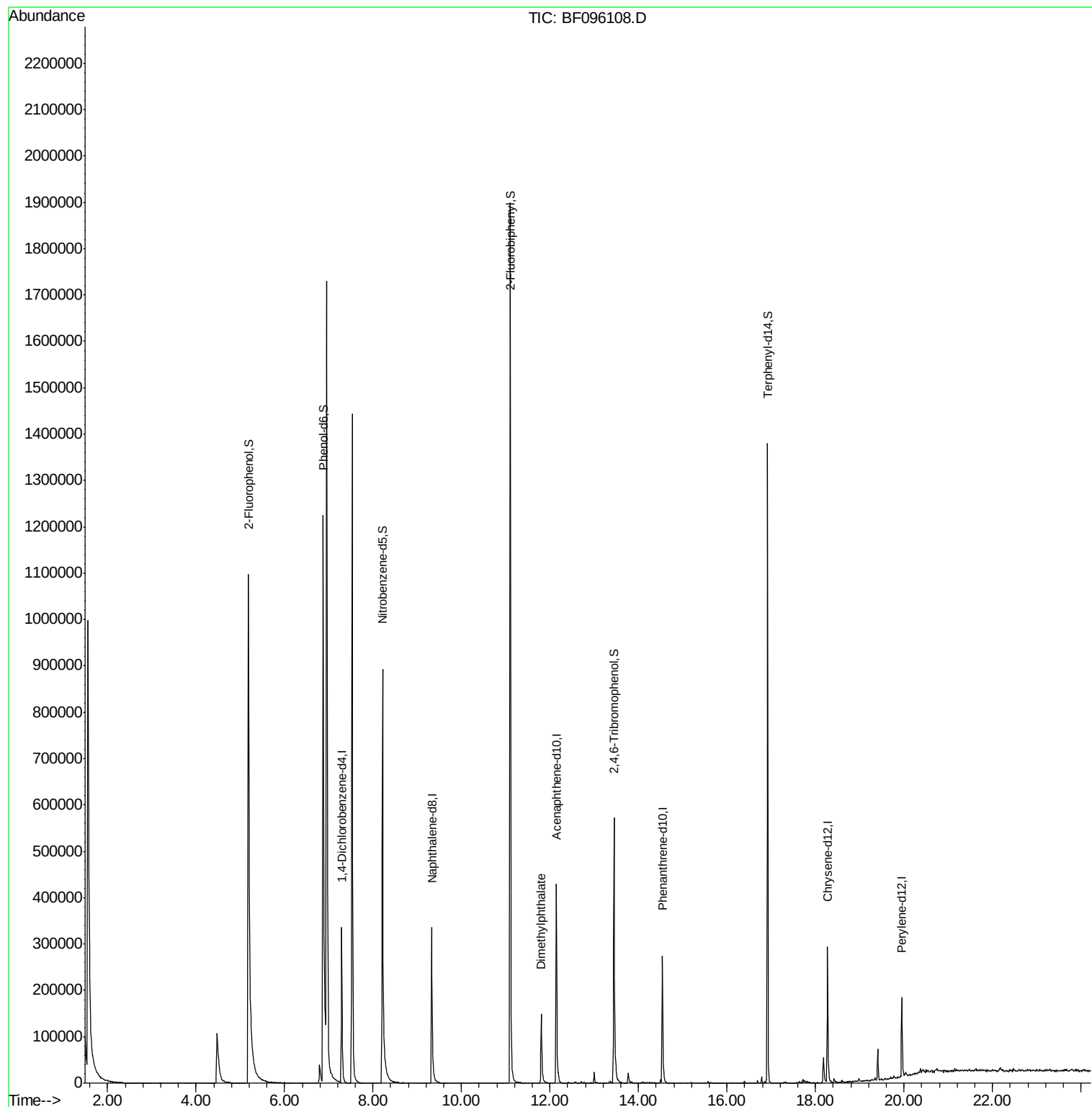
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)     |
|-----------------------------|-------|------|----------|--------|-------|--------------|
| 1) 1,4-Dichlorobenzene-d4   | 7.29  | 152  | 85318    | 20.00  | ng    | 0.00         |
| 21) Naphthalene-d8          | 9.33  | 136  | 300644   | 20.00  | ng    | 0.00         |
| 38) Acenaphthene-d10        | 12.14 | 164  | 129695   | 20.00  | ng    | 0.00         |
| 63) Phenanthrene-d10        | 14.54 | 188  | 173740   | 20.00  | ng    | 0.00         |
| 75) Chrysene-d12            | 18.27 | 240  | 148060   | 20.00  | ng    | 0.00         |
| 86) Perylene-d12            | 19.95 | 264  | 96034    | 20.00  | ng    | 0.01         |
| System Monitoring Compounds |       |      |          |        |       |              |
| 5) 2-Fluorophenol           | 5.19  | 112  | 809757   | 151.24 | ng    | 0.00         |
| 7) Phenol-d6                | 6.87  | 99   | 963118   | 150.25 | ng    | 0.00         |
| 23) Nitrobenzene-d5         | 8.22  | 82   | 545250   | 112.63 | ng    | 0.00         |
| 41) 2,4,6-Tribromophenol    | 13.44 | 330  | 117383   | 102.29 | ng    | 0.00         |
| 44) 2-Fluorobiphenyl        | 11.10 | 172  | 888459   | 95.33  | ng    | 0.00         |
| 78) Terphenyl-d14           | 16.92 | 244  | 530801   | 88.97  | ng    | 0.00         |
| Target Compounds            |       |      |          |        |       |              |
| 49) Dimethylphthalate       | 11.80 | 163  | 124924   | 12.69  | ng    | Qvalue<br>98 |

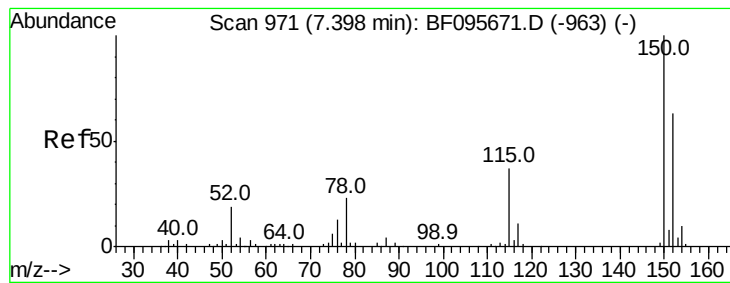
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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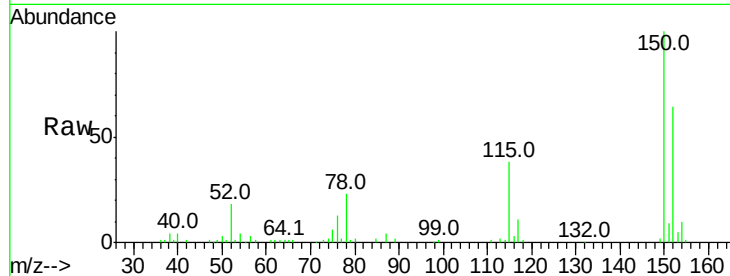


#1

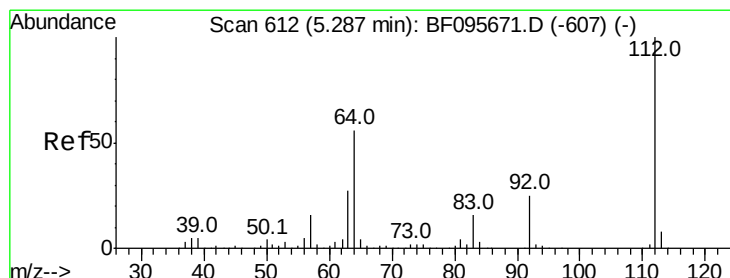
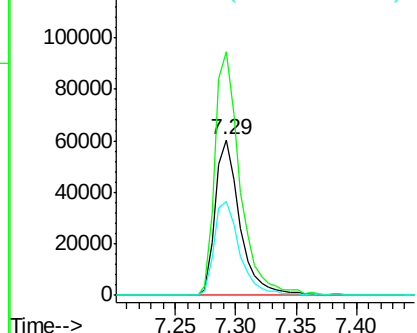
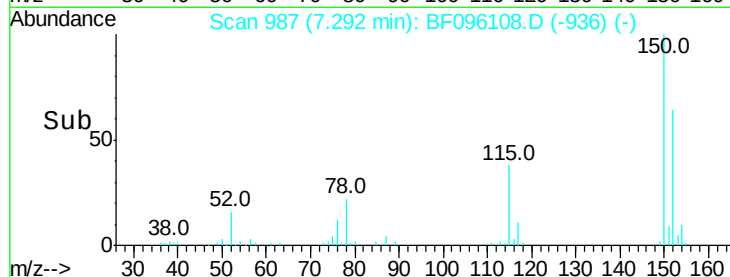
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 7.29 min Scan# 987  
Delta R.T. 0.00 min  
Lab File: BF096108.D  
Acq: 22 Jun 2017 5:52

Instrument :  
BNA\_F  
ClientSampleId :  
E2-R5-NSW

Tot Ion:152 Resp: 85318  
Ion Ratio Lower Upper  
152 100  
150 156.3 126.2 189.2  
115 59.8 52.2 78.2



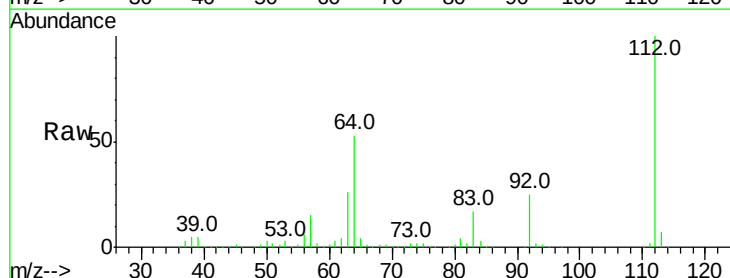
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



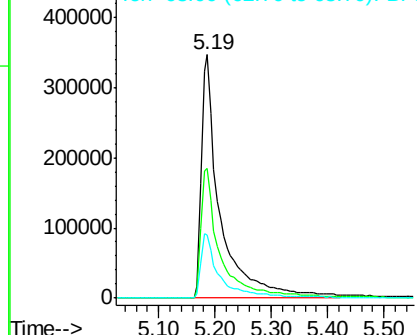
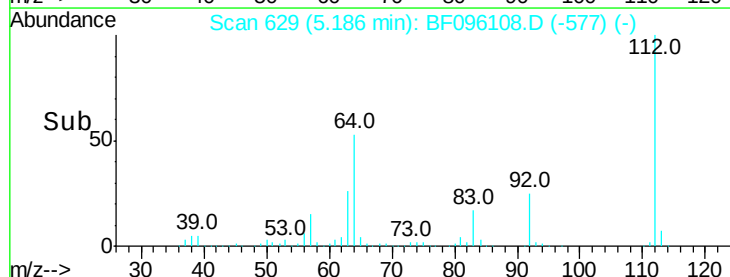
#5

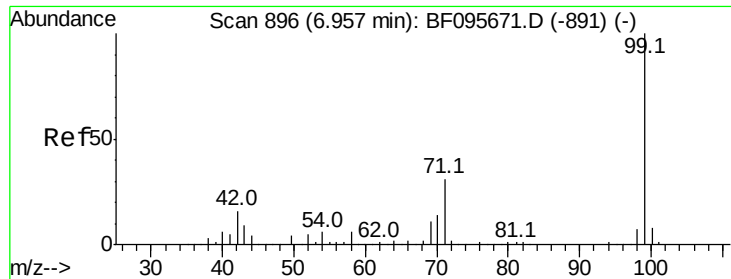
2-Fluorophenol  
Concen: 151.24 ng  
RT: 5.19 min Scan# 629  
Delta R.T. 0.01 min  
Lab File: BF096108.D  
Acq: 22 Jun 2017 5:52

Tgt Ion:112 Resp: 809757  
Ion Ratio Lower Upper  
112 100  
64 53.5 46.0 69.0  
63 26.1 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: 150.25 ng

RT: 6.87 min Scan# 915

Delta R.T. -0.01 min

Lab File: BF096108.D

Acq: 22 Jun 2017 5:52

Instrument :

BNA\_F

ClientSampleId :

E2-R5-NSW

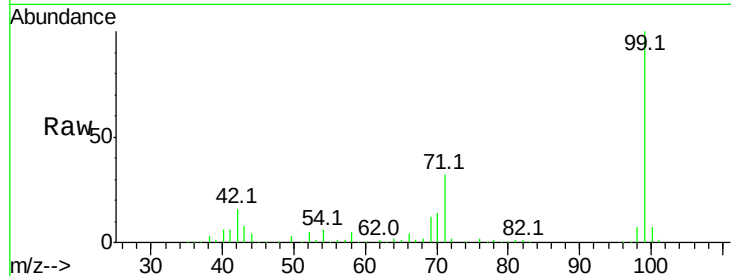
Tot Ion: 99 Resp: 963118

Ion Ratio Lower Upper

99 100

42 16.2 13.5 20.3

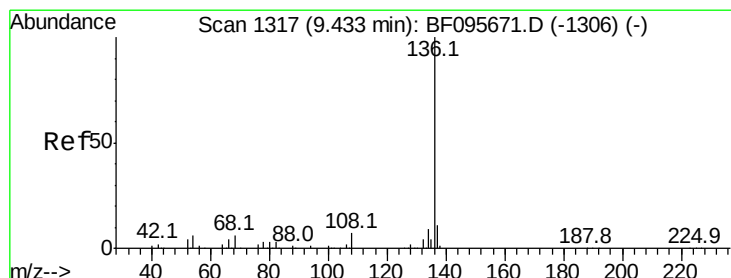
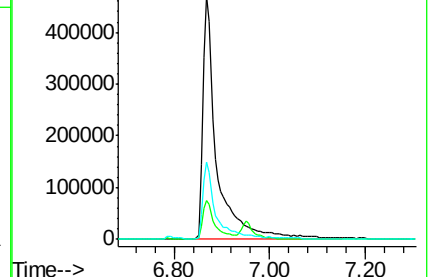
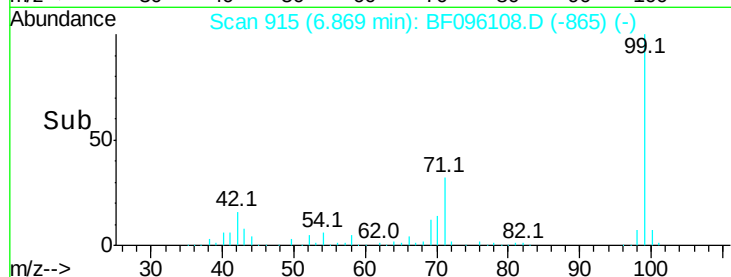
71 31.7 24.5 36.7



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.33 min Scan# 1333

Delta R.T. 0.00 min

Lab File: BF096108.D

Acq: 22 Jun 2017 5:52

Tgt Ion: 136 Resp: 300644

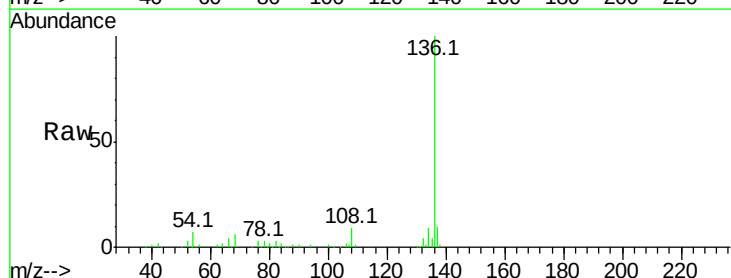
Ion Ratio Lower Upper

136 100

137 10.0 8.5 12.7

54 7.1 4.9 7.3

68 6.1 4.1 6.1#

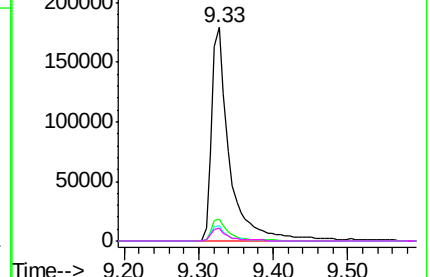
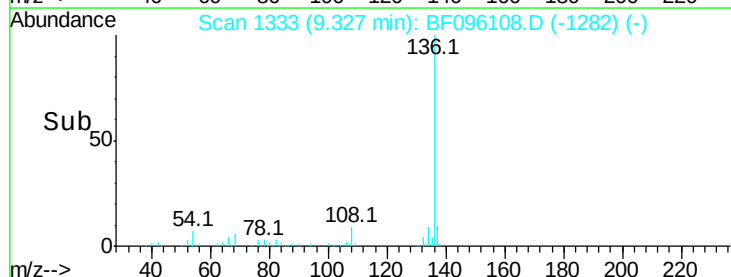


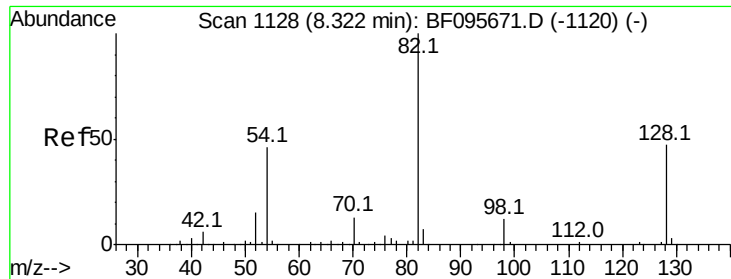
Abundance Ion 136.00 (135.70 to 136.70): E

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

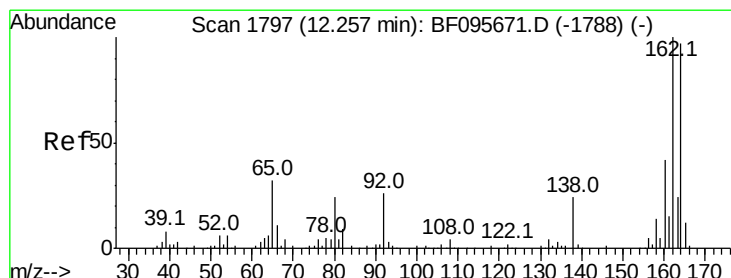
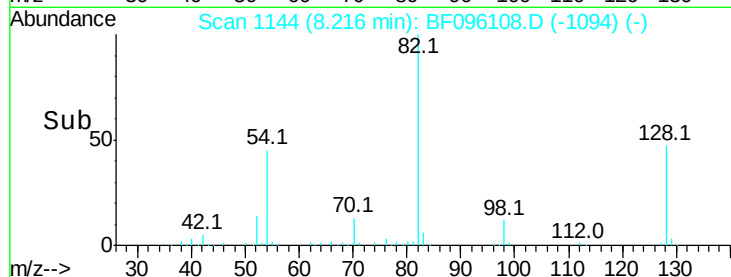
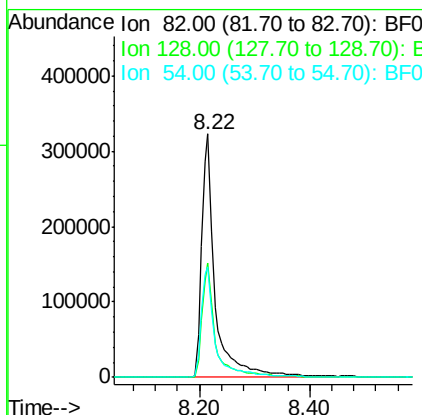
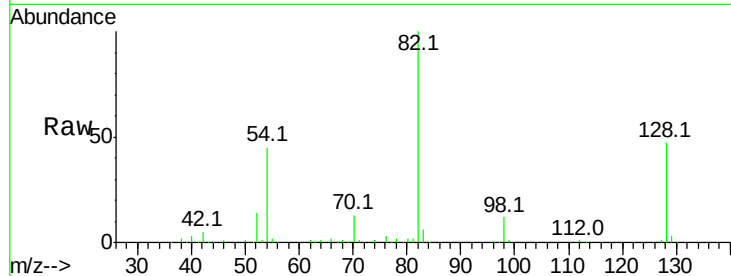




#23  
Nitrobenzene-d5  
Concen: 112.63 ng  
RT: 8.22 min Scan# 1144  
Delta R.T. -0.01 min  
Lab File: BF096108.D  
Acq: 22 Jun 2017 5:52

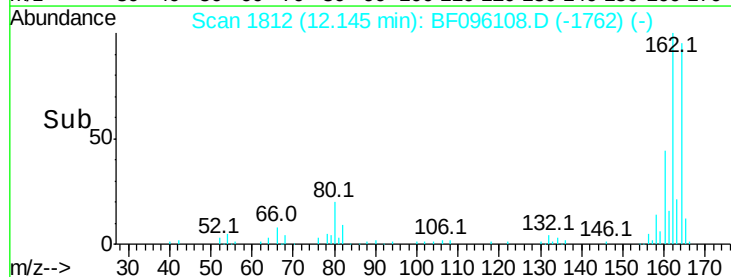
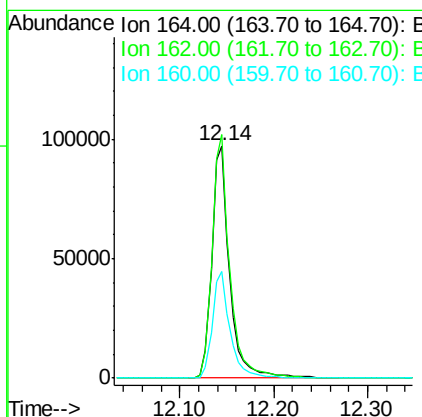
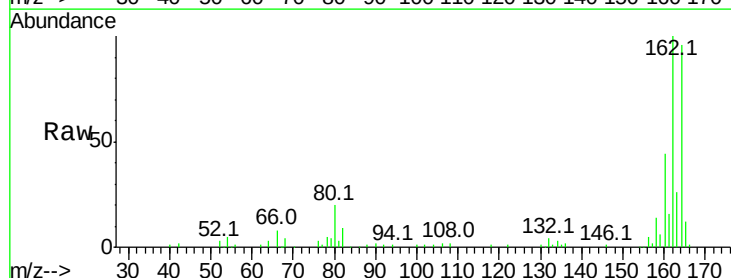
Instrument :  
BNA\_F  
ClientSampleId :  
E2-R5-NSW

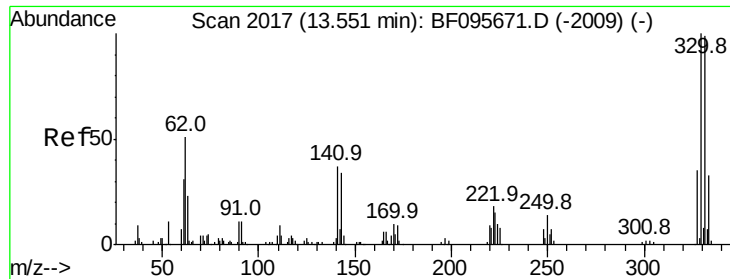
Tot Ion: 82 Resp: 545250  
Ion Ratio Lower Upper  
82 100  
128 46.7 34.0 51.0  
54 45.3 42.2 63.2



#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 12.14 min Scan# 1812  
Delta R.T. -0.01 min  
Lab File: BF096108.D  
Acq: 22 Jun 2017 5:52

Tgt Ion:164 Resp: 129695  
Ion Ratio Lower Upper  
164 100  
162 104.7 82.6 123.8  
160 45.8 36.2 54.2

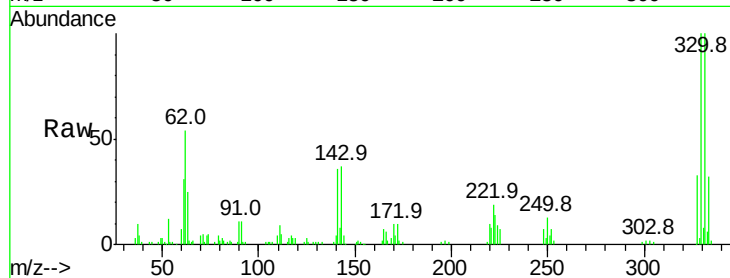




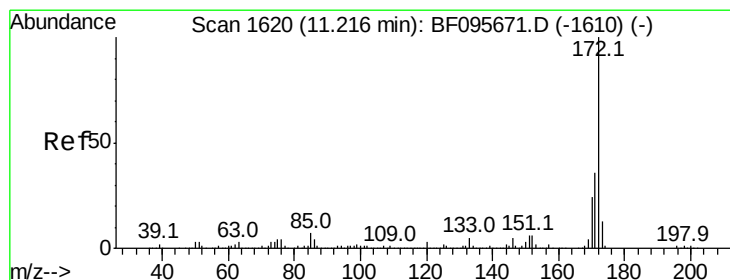
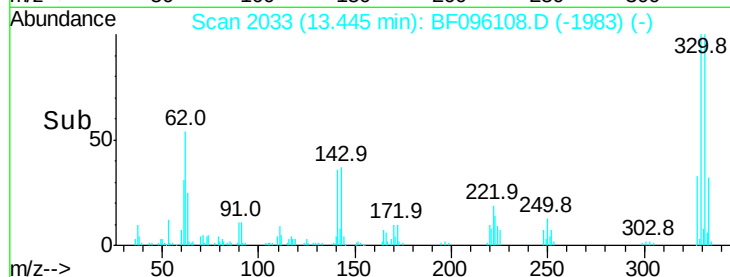
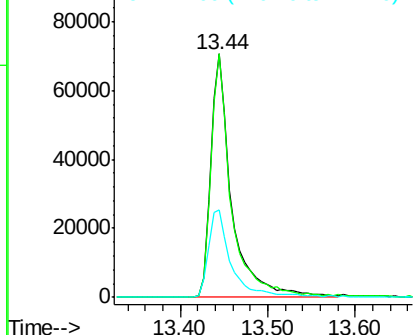
#41  
 2,4,6-Tribromophenol  
 Concen: 102.29 ng  
 RT: 13.44 min Scan# 2033  
 Delta R.T. -0.01 min  
 Lab File: BF096108.D  
 Acq: 22 Jun 2017 5:52

Instrument :  
 BNA\_F  
 ClientSampleId :  
 E2-R5-NSW

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 97.0  | 76.6  | 115.0 |
| 141     | 39.4  | 31.4  | 47.2  |

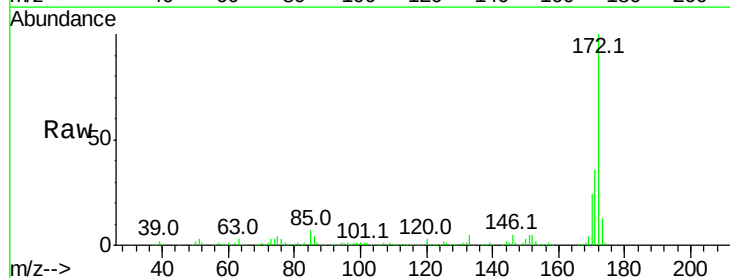


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

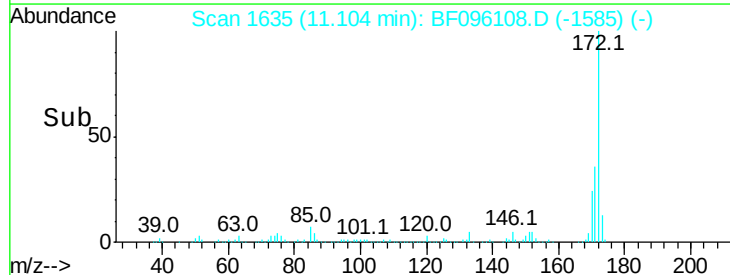
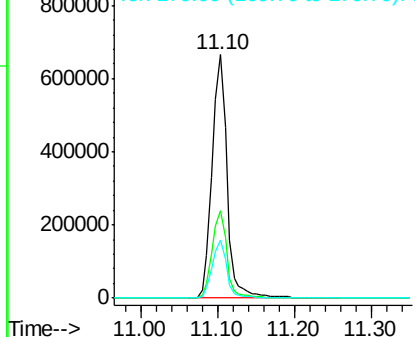


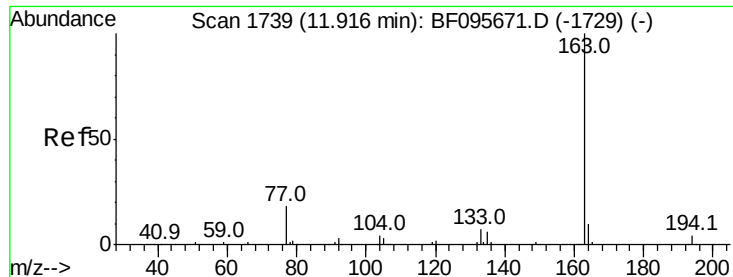
#44  
 2-Fluorobiphenyl  
 Concen: 95.33 ng  
 RT: 11.10 min Scan# 1635  
 Delta R.T. -0.01 min  
 Lab File: BF096108.D  
 Acq: 22 Jun 2017 5:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.0  | 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





#49

Dimethylphthalate

Concen: 12.69 ng

RT: 11.80 min Scan# 1754

Delta R.T. -0.02 min

Lab File: BF096108.D

Acq: 22 Jun 2017 5:52

Instrument :

BNA\_F

ClientSampleId :

E2-R5-NSW

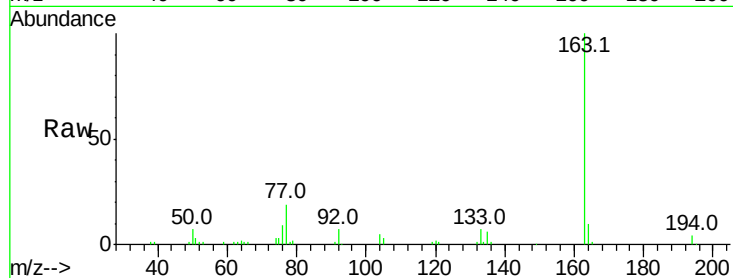
Tot Ion:163 Resp: 124924

Ion Ratio Lower Upper

163 100

194 3.7 2.6 4.0

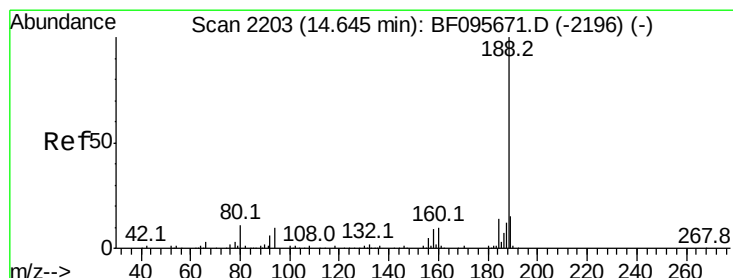
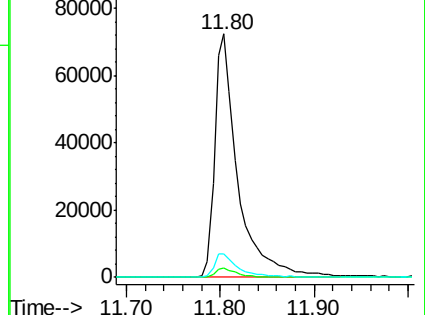
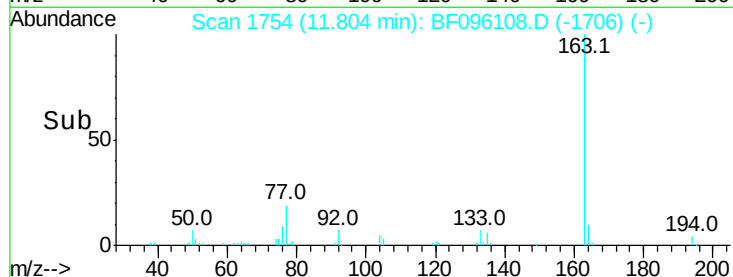
164 9.7 8.4 12.6



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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 14.54 min Scan# 2219

Delta R.T. 0.00 min

Lab File: BF096108.D

Acq: 22 Jun 2017 5:52

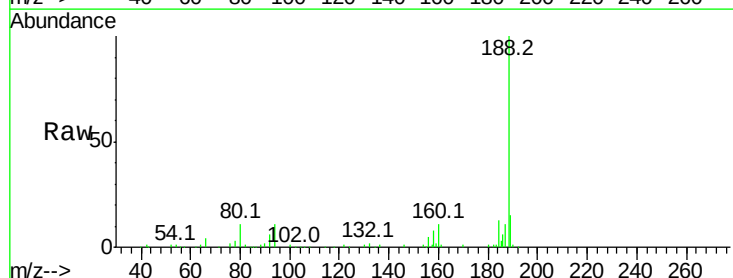
Tgt Ion:188 Resp: 173740

Ion Ratio Lower Upper

188 100

94 10.8 9.4 14.2

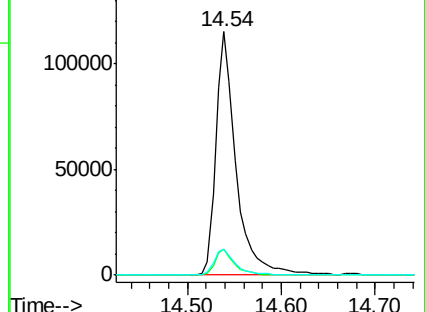
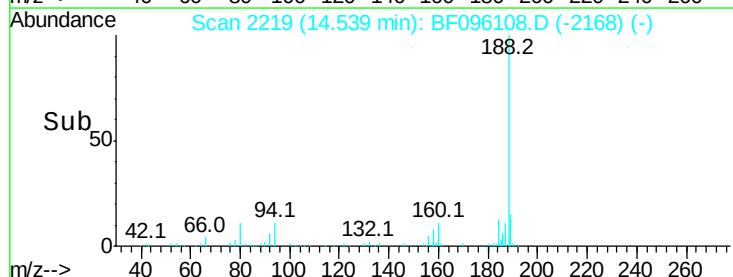
80 10.7 10.2 15.2

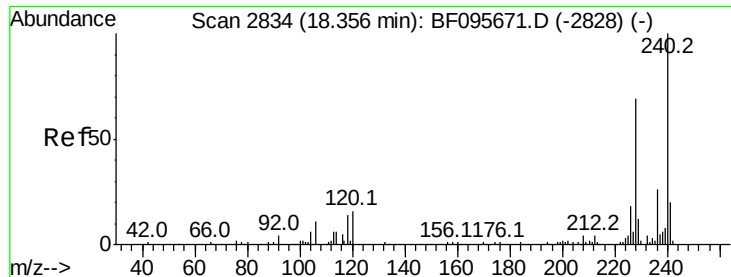


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

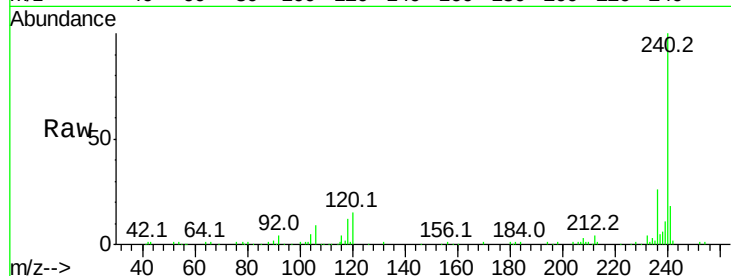




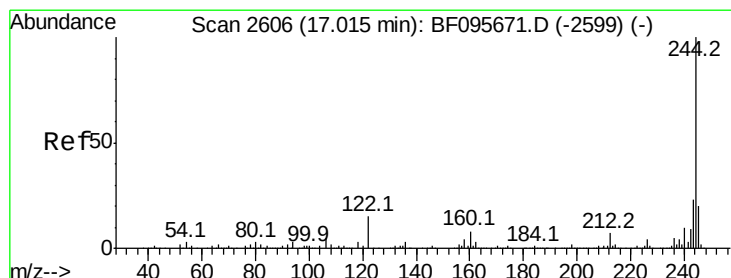
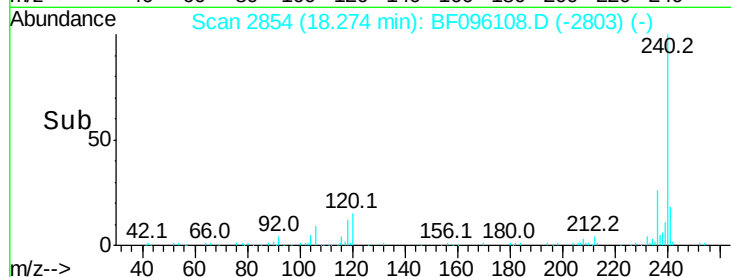
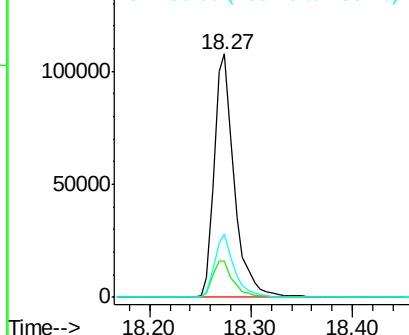
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 18.27 min Scan# 2854  
Delta R.T. -0.00 min  
Lab File: BF096108.D  
Acq: 22 Jun 2017 5:52

Instrument :  
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Tot Ion:240 Resp: 148060  
Ion Ratio Lower Upper  
240 100  
120 15.0 5.8 8.8#  
236 25.8 20.5 30.7

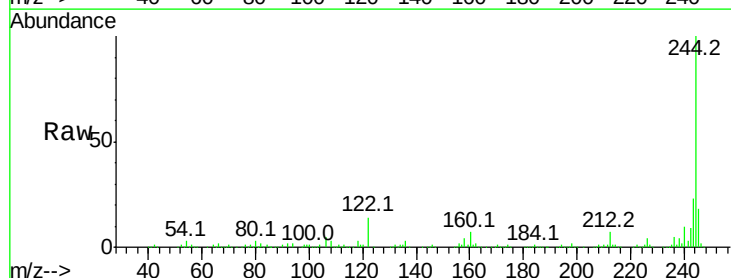


Abundance Ion 240.00 (239.70 to 240.70): E  
Ion 120.00 (119.70 to 120.70): E  
Ion 236.00 (235.70 to 236.70): E

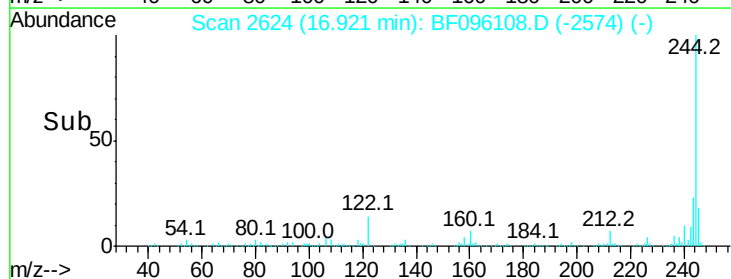
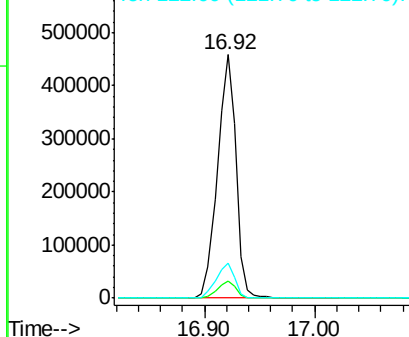


#78  
Terphenyl-d14  
Concen: 88.97 ng  
RT: 16.92 min Scan# 2624  
Delta R.T. -0.01 min  
Lab File: BF096108.D  
Acq: 22 Jun 2017 5:52

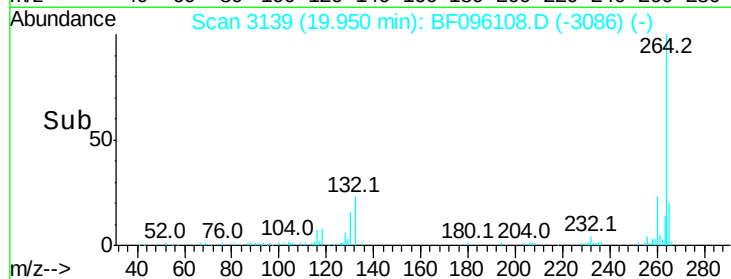
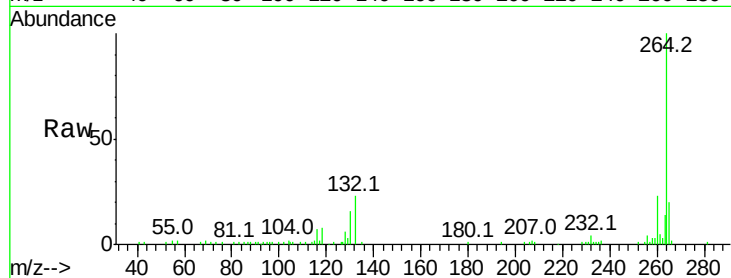
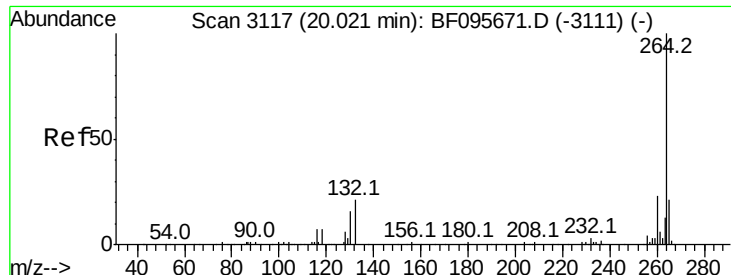
Tgt Ion:244 Resp: 530801  
Ion Ratio Lower Upper  
244 100  
212 6.8 6.0 9.0  
122 14.2 10.3 15.5



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: 19.95 min Scan# 3139  
 Delta R.T. 0.01 min  
 Lab File: BF096108.D  
 Acq: 22 Jun 2017 5:52

Instrument :  
 BNA\_F  
 ClientSampleId :  
 E2-R5-NSW

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.0  | 19.5  | 29.3  |
| 265     | 20.1  | 17.2  | 25.8  |

