

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF100617\  
 Data File : BF099171.D  
 Acq On : 7 Oct 2017 2:18  
 Operator : SJ/JU  
 Sample : I5542-06  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 OWL-C7-GW

Quant Time: Oct 07 04:06:07 2017  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF092317.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Oct 05 17:20:48 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.86  | 152  | 138799   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.15  | 136  | 560449   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 9.90  | 164  | 250921   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.39 | 188  | 399309   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 14.02 | 240  | 213154   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12            | 15.50 | 264  | 230722   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.48  | 112  | 601905   | 69.03  | ng    | 0.00     |
| 7) Phenol-d6                | 6.49  | 99   | 462050   | 42.96  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.43  | 82   | 796381   | 91.13  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 10.69 | 330  | 265464   | 129.29 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.22  | 172  | 1374147  | 91.42  | ng    | 0.00     |
| 78) Terphenyl-d14           | 12.97 | 244  | 858948   | 91.64  | ng    | 0.00     |

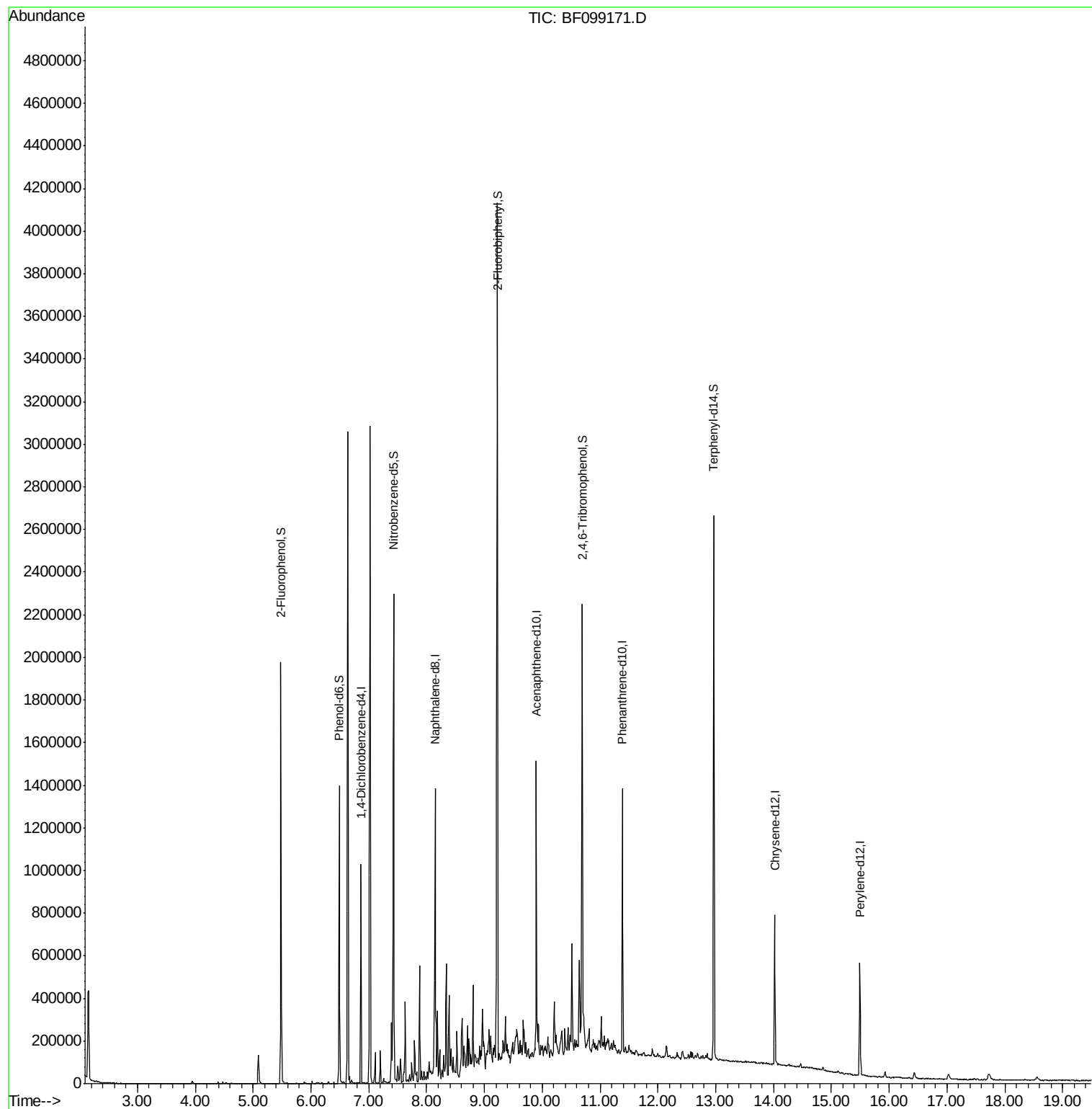
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

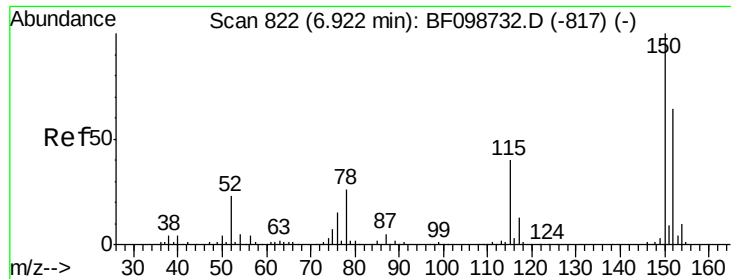
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Oct 05 17:20:48 2017  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.86 min Scan# 812

Delta R.T. -0.01 min

Lab File: BF099171.D

Acq: 7 Oct 2017 2:18

Instrument :

BNA\_F

ClientSampleId :

OWL-C7-GW

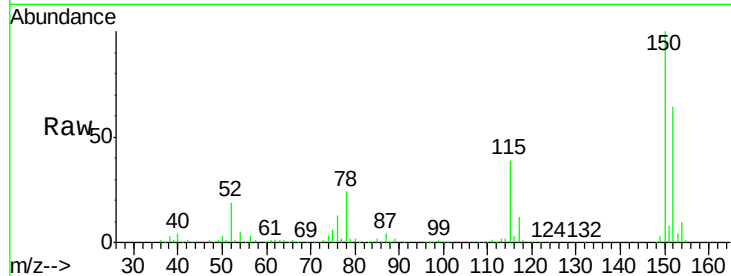
Tgt Ion:152 Resp: 138799

Ion Ratio Lower Upper

152 100

150 156.0 124.6 186.8

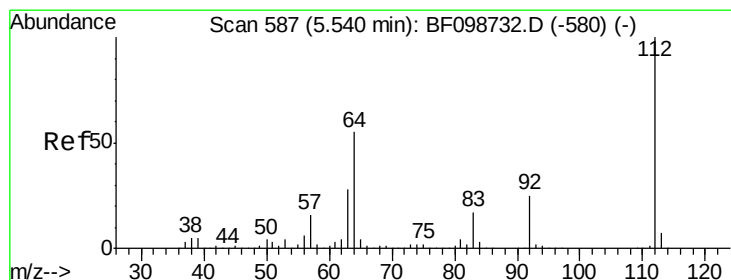
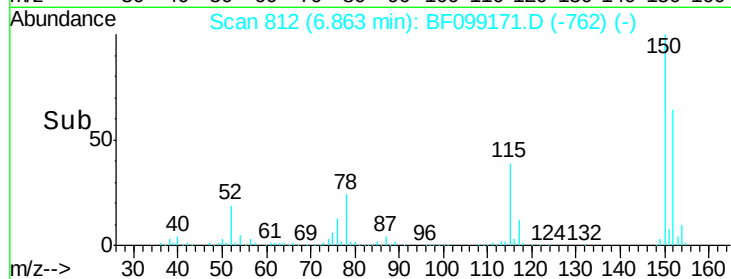
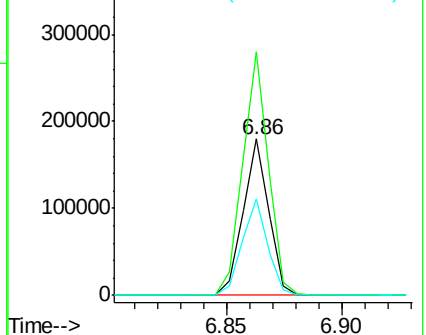
115 61.5 50.1 75.1



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: 69.03 ng

RT: 5.48 min Scan# 577

Delta R.T. -0.00 min

Lab File: BF099171.D

Acq: 7 Oct 2017 2:18

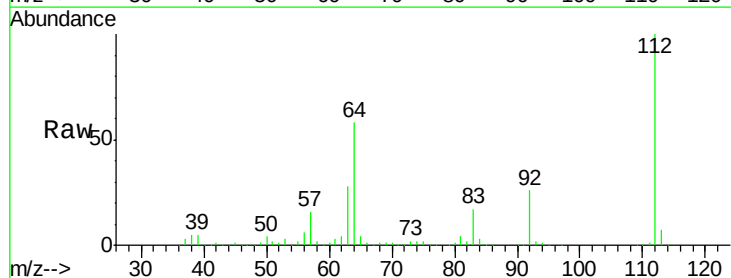
Tgt Ion:112 Resp: 601905

Ion Ratio Lower Upper

112 100

64 57.6 47.9 71.9

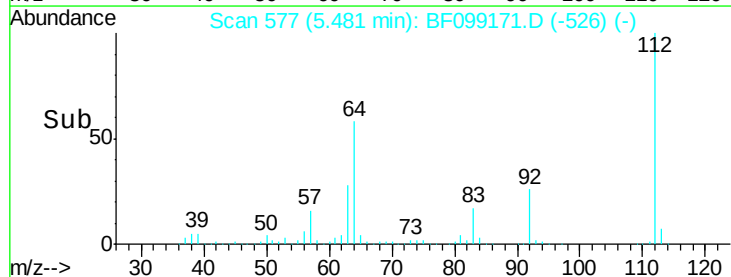
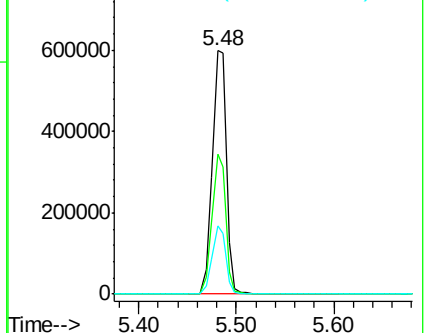
63 28.3 23.7 35.5

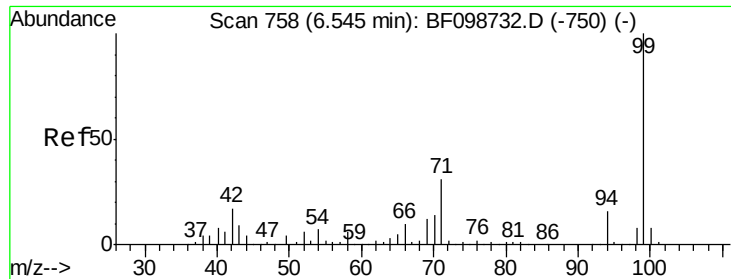


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 42.96 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF099171.D

Acq: 7 Oct 2017 2:18

Instrument :

BNA\_F

ClientSampleId :

OWL-C7-GW

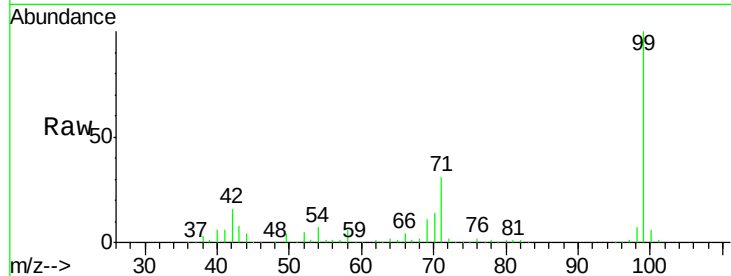
Tgt Ion: 99 Resp: 462050

Ion Ratio Lower Upper

99 100

42 15.6 14.5 21.7

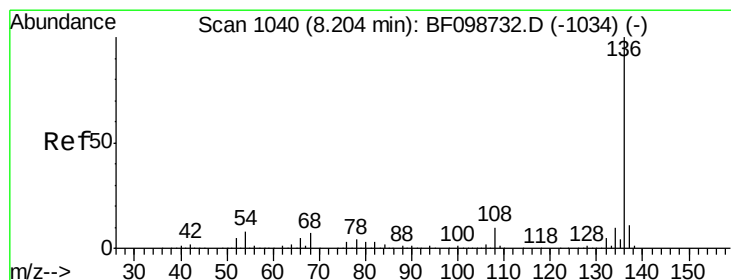
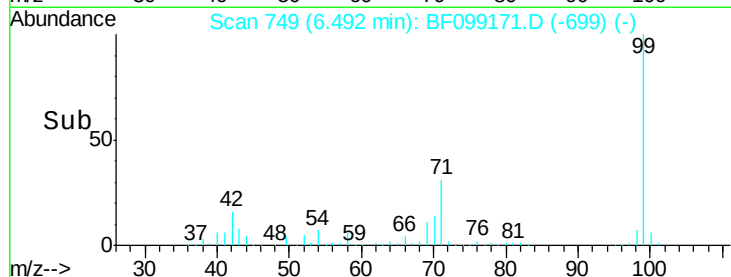
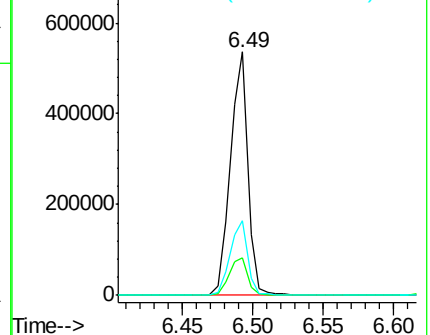
71 30.7 25.4 38.0



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: 8.15 min Scan# 1030

Delta R.T. -0.01 min

Lab File: BF099171.D

Acq: 7 Oct 2017 2:18

Tgt Ion: 136 Resp: 560449

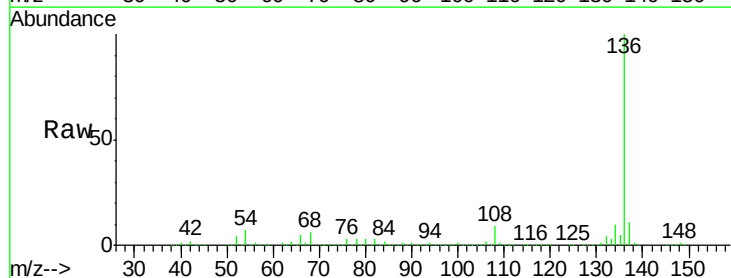
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 7.0 6.6 9.8

68 6.1 5.0 7.4

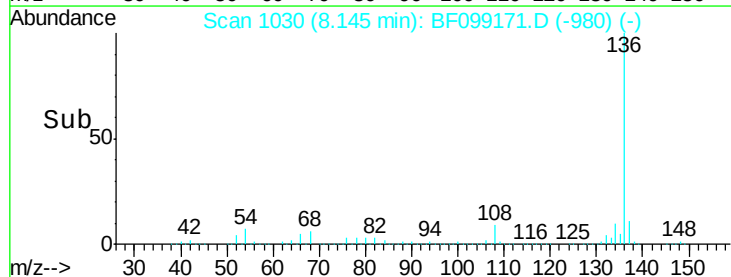
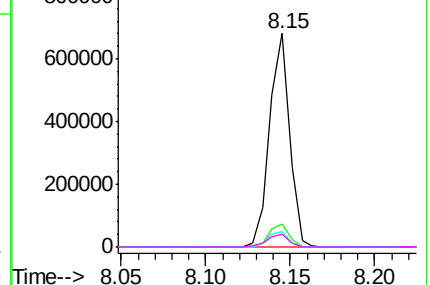


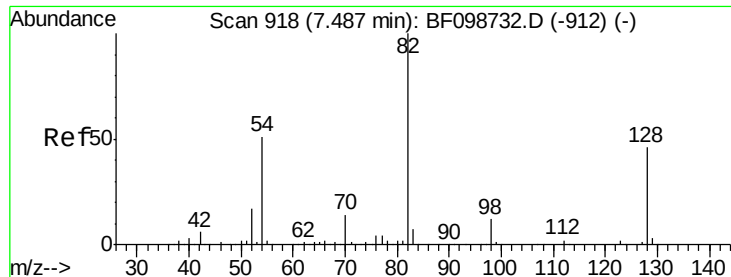
Abundance Ion 136.00 (135.70 to 136.70): E

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

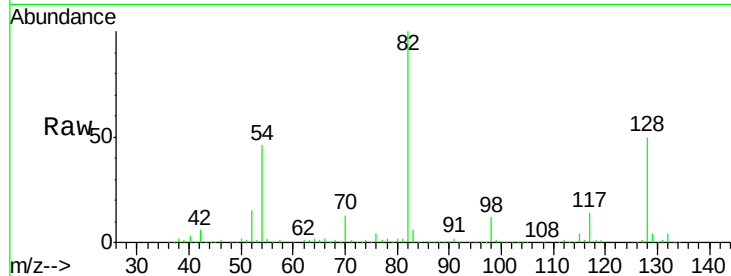




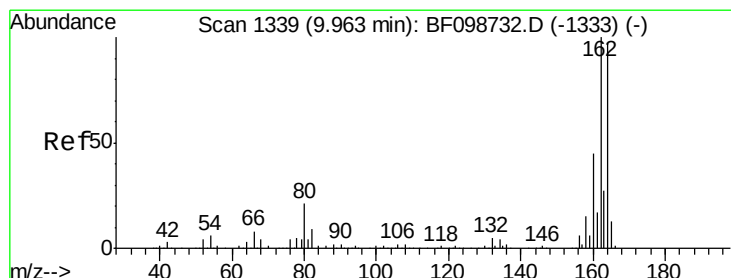
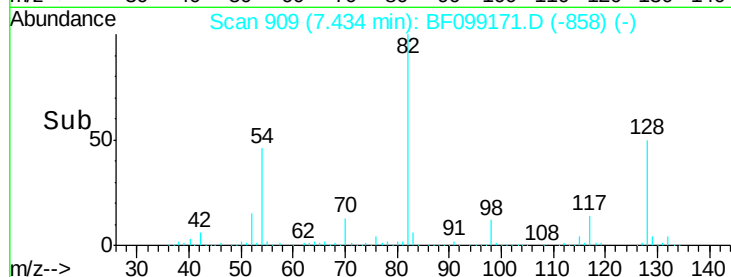
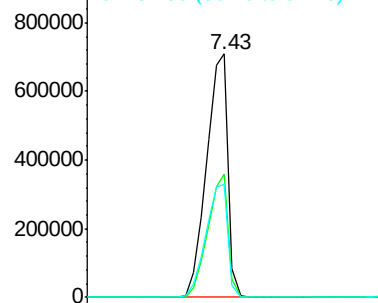
#23  
Nitrobenzene-d5  
Concen: 91.13 ng  
RT: 7.43 min Scan# 909  
Delta R.T. -0.00 min  
Lab File: BF099171.D  
Acq: 7 Oct 2017 2:18

Instrument :  
BNA\_F  
ClientSampleId :  
OWL-C7-GW

Tgt Ion: 82 Resp: 796381  
Ion Ratio Lower Upper  
82 100  
128 50.5 36.1 54.1  
54 46.4 41.4 62.2

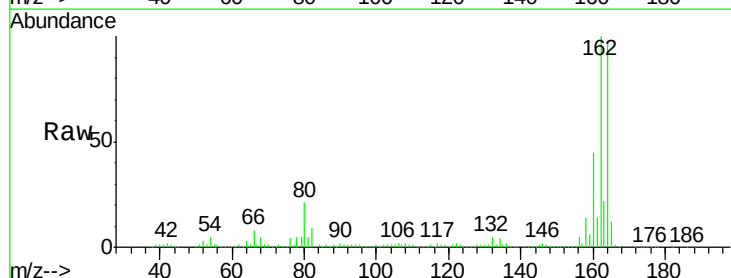


Abundance Ion 82.00 (81.70 to 82.70): BF0  
Ion 128.00 (127.70 to 128.70): E  
Ion 54.00 (53.70 to 54.70): BF0

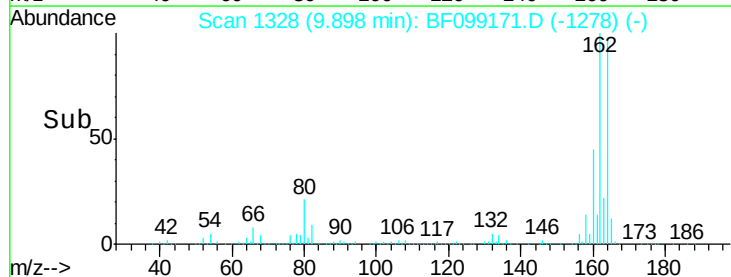
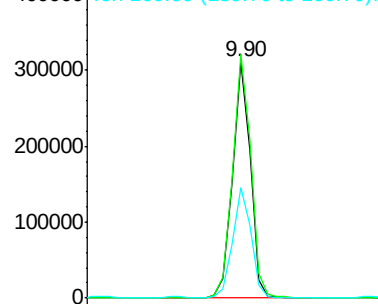


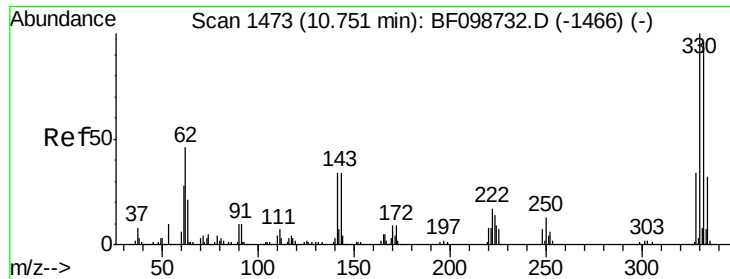
#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.90 min Scan# 1328  
Delta R.T. -0.01 min  
Lab File: BF099171.D  
Acq: 7 Oct 2017 2:18

Tgt Ion: 164 Resp: 250921  
Ion Ratio Lower Upper  
164 100  
162 103.0 86.1 129.1  
160 46.6 38.3 57.5



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

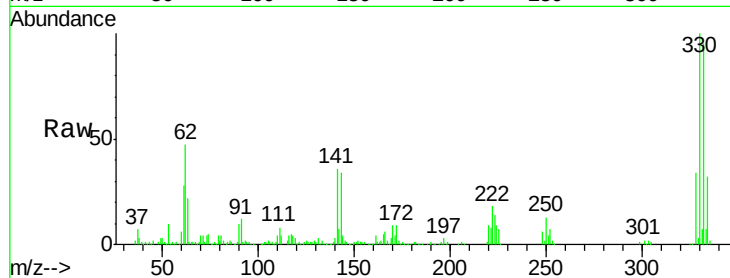




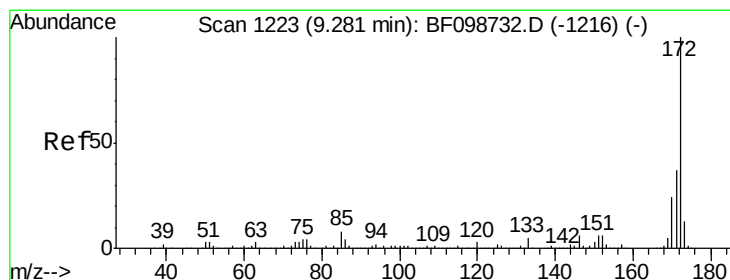
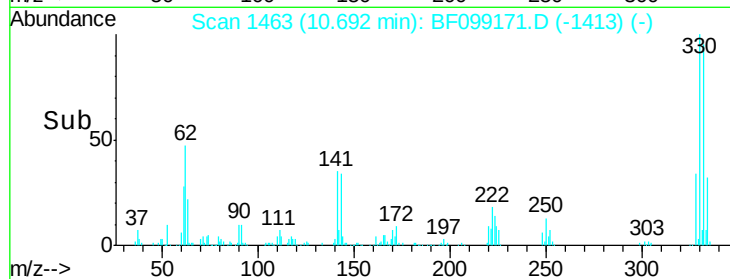
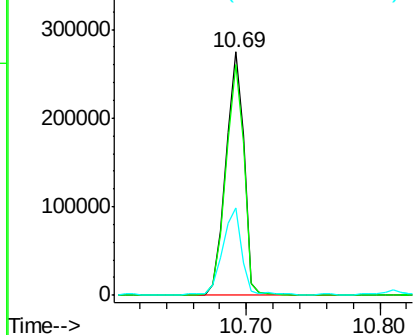
#41  
 2,4,6-Tribromophenol  
 Concen: 129.29 ng  
 RT: 10.69 min Scan# 1463  
 Delta R.T. -0.01 min  
 Lab File: BF099171.D  
 Acq: 7 Oct 2017 2:18

Instrument :  
 BNA\_F  
 ClientSampleId :  
 OWL-C7-GW

Tgt Ion: 330 Resp: 265464  
 Ion Ratio Lower Upper  
 330 100  
 332 95.2 77.0 115.6  
 141 37.4 29.9 44.9

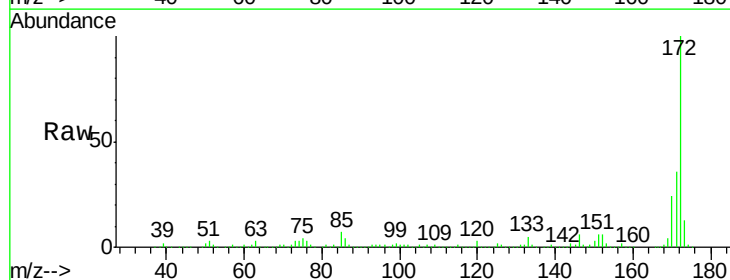


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

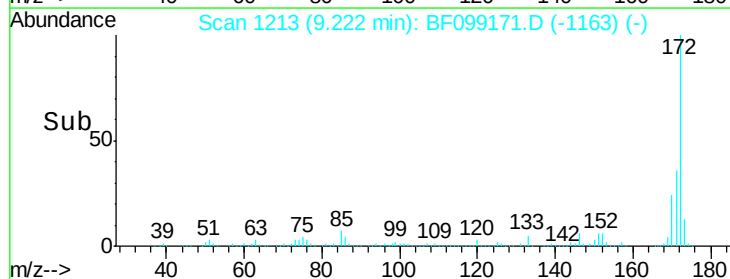
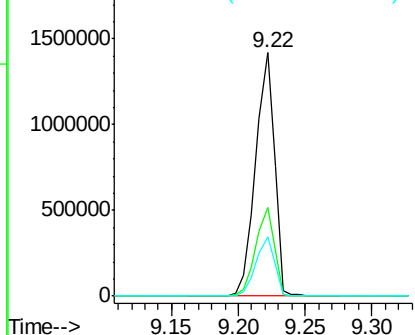


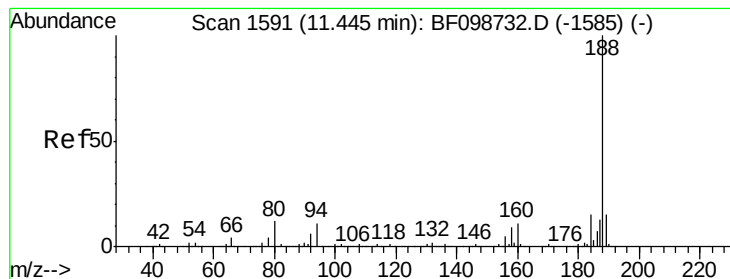
#44  
 2-Fluorobiphenyl  
 Concen: 91.42 ng  
 RT: 9.22 min Scan# 1213  
 Delta R.T. -0.01 min  
 Lab File: BF099171.D  
 Acq: 7 Oct 2017 2:18

Tgt Ion: 172 Resp: 1374147  
 Ion Ratio Lower Upper  
 172 100  
 171 36.2 29.7 44.5  
 170 24.4 19.6 29.4



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





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.39 min Scan# 1581

Delta R.T. -0.01 min

Lab File: BF099171.D

Acq: 7 Oct 2017 2:18

Instrument :

BNA\_F

ClientSampleId :

OWL-C7-GW

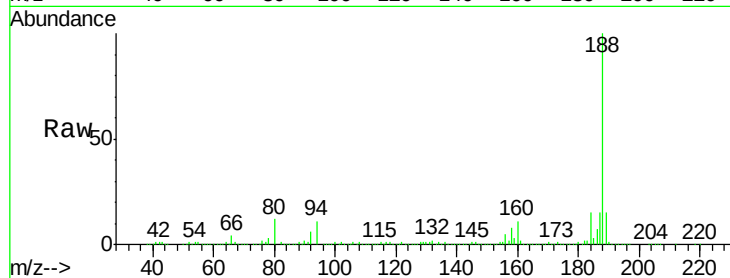
Tgt Ion:188 Resp: 399309

Ion Ratio Lower Upper

188 100

94 11.5 8.5 12.7

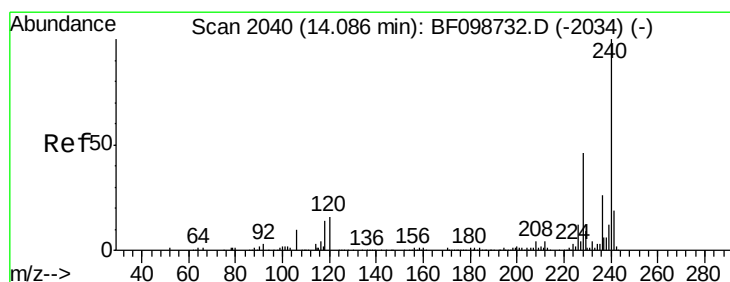
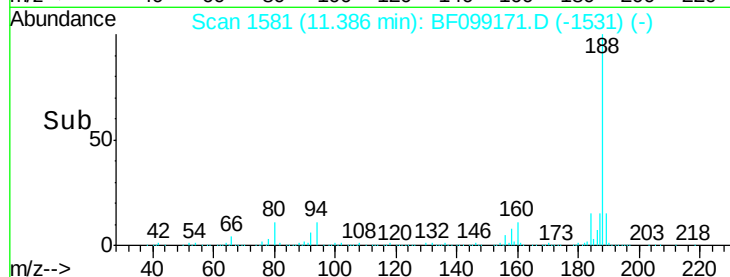
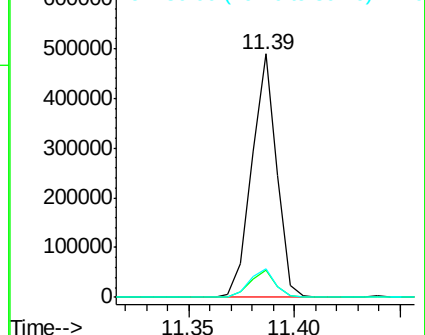
80 11.6 9.2 13.8



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: 14.02 min Scan# 2029

Delta R.T. -0.01 min

Lab File: BF099171.D

Acq: 7 Oct 2017 2:18

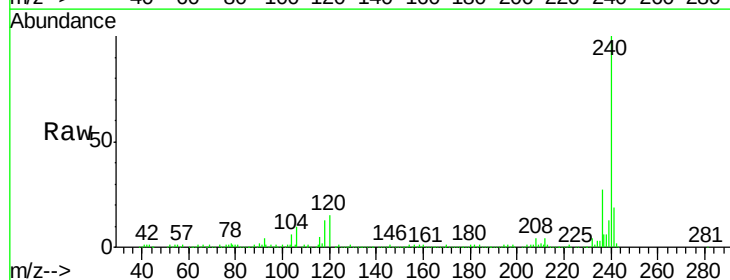
Tgt Ion:240 Resp: 213154

Ion Ratio Lower Upper

240 100

120 15.3 9.5 14.3#

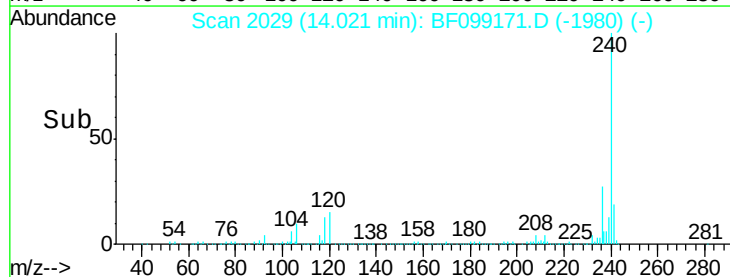
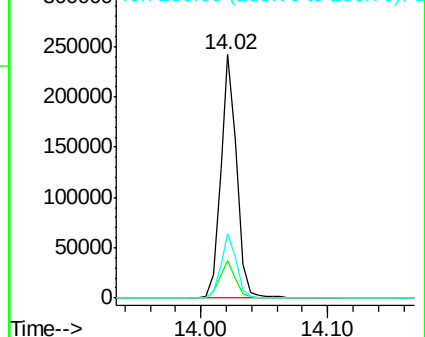
236 26.6 20.7 31.1

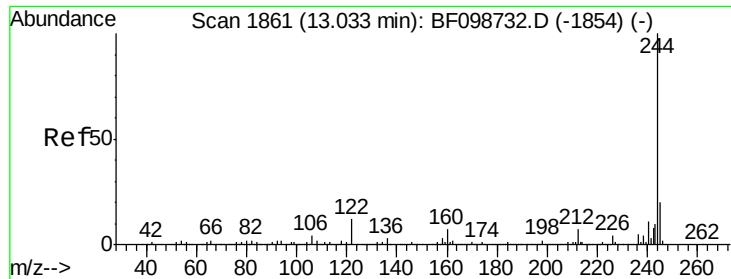


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

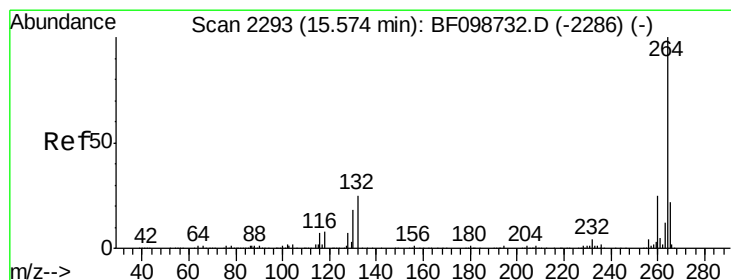
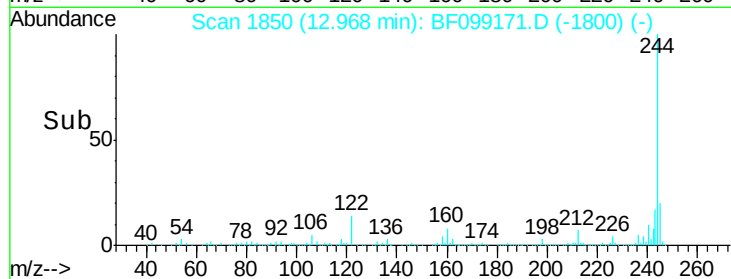
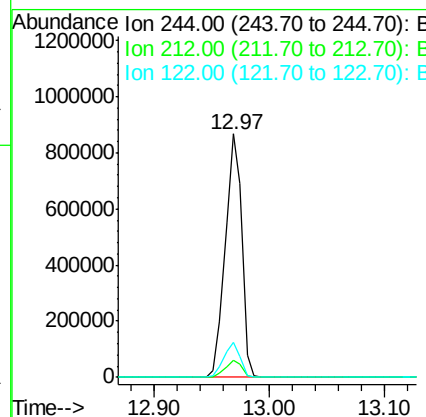
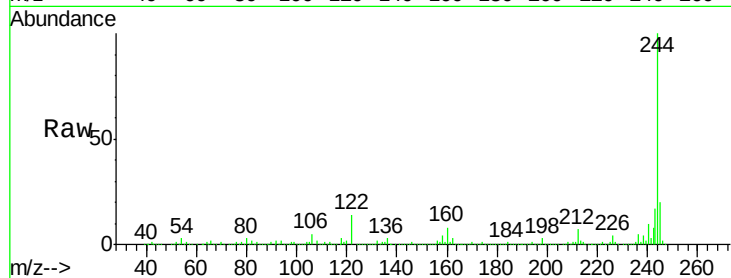




#78  
 Terphenyl-d14  
 Concen: 91.64 ng  
 RT: 12.97 min Scan# 1850  
 Delta R.T. -0.01 min  
 Lab File: BF099171.D  
 Acq: 7 Oct 2017 2:18

Instrument :  
 BNA\_F  
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 OWL-C7-GW

Tgt Ion:244 Resp: 858948  
 Ion Ratio Lower Upper  
 244 100  
 212 7.2 5.4 8.0  
 122 14.5 11.0 16.4



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.50 min Scan# 2280  
 Delta R.T. -0.01 min  
 Lab File: BF099171.D  
 Acq: 7 Oct 2017 2:18

Tgt Ion:264 Resp: 230722  
 Ion Ratio Lower Upper  
 264 100  
 260 23.7 19.2 28.8  
 265 21.7 17.5 26.3

