

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF110617\  
 Data File : BF100257.D  
 Acq On : 6 Nov 2017 18:12  
 Operator : SJ/JU  
 Sample : I6305-02  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PL-01-110317

Quant Time: Nov 07 01:27:03 2017  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF102317.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Nov 06 13:31:35 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.76  | 152  | 90126    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.04  | 136  | 380845   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 9.79  | 164  | 176103   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.29 | 188  | 329343   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 13.94 | 240  | 188178   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 15.40 | 264  | 144012   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.40  | 112  | 666095   | 116.03 | ng    | 0.02     |
| 7) Phenol-d6                | 6.42  | 99   | 726066   | 106.67 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.33  | 82   | 494847   | 83.65  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 10.59 | 330  | 208789   | 130.10 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.11  | 172  | 998128   | 87.45  | ng    | 0.00     |
| 78) Terphenyl-d14           | 12.87 | 244  | 881354   | 102.35 | ng    | 0.00     |

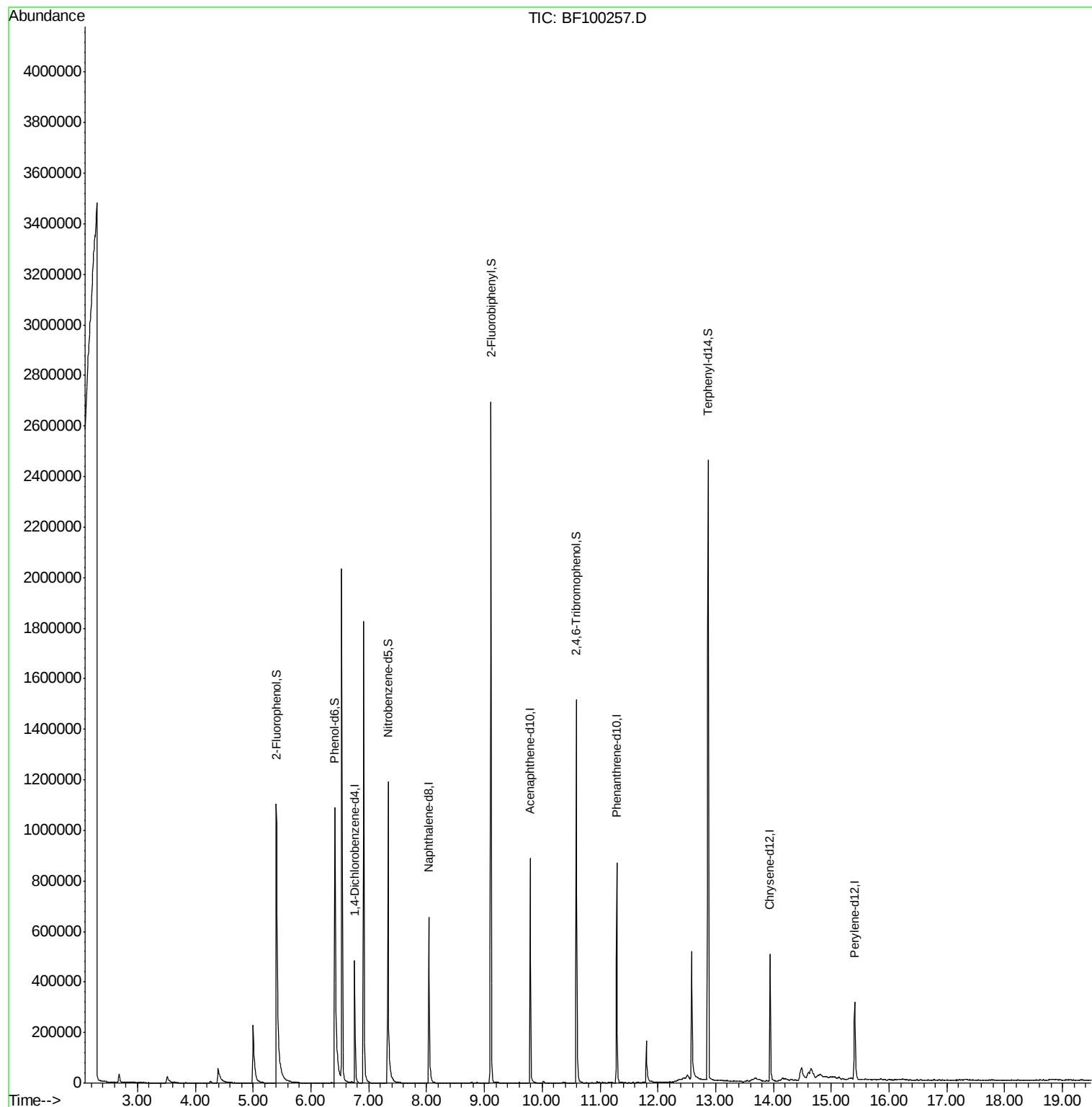
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

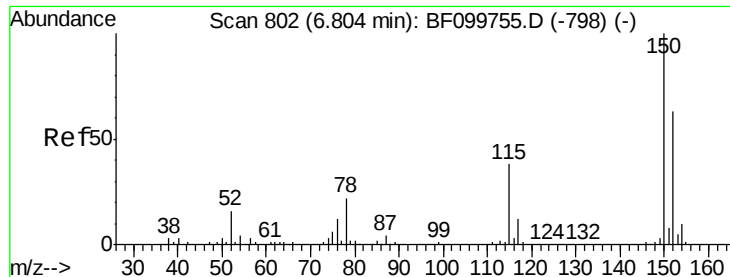
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
PL-01-110317

Quant Time: Nov 07 01:27:03 2017  
Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF102317.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Nov 06 13:31:35 2017  
Response via : Initial Calibration



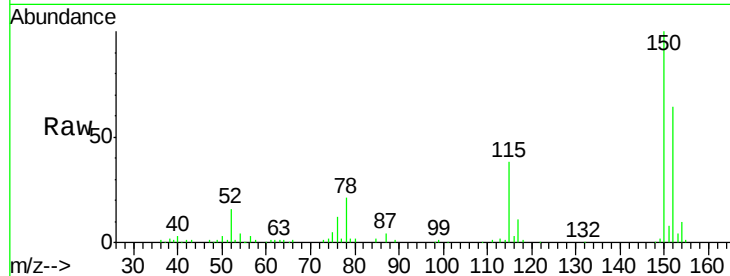


#1

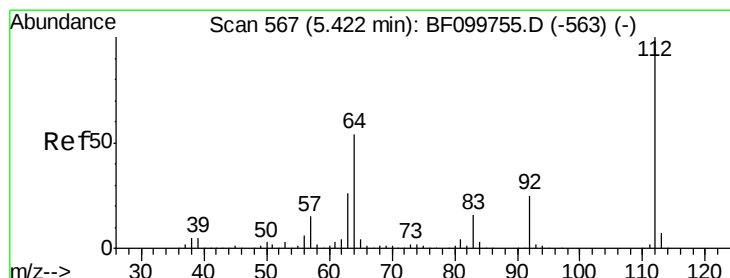
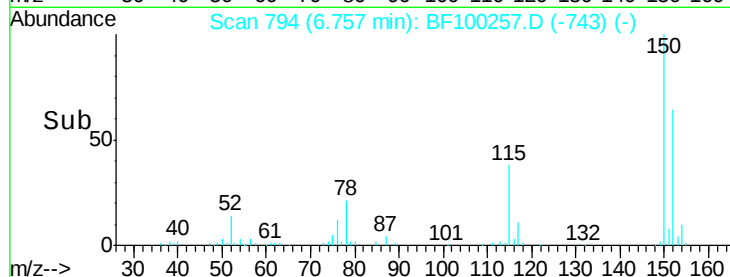
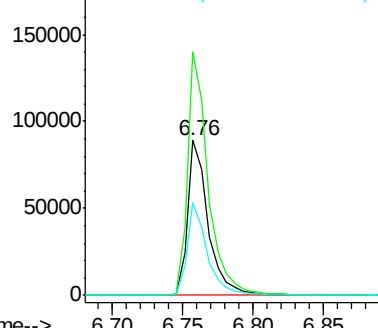
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.76 min Scan# 794  
Delta R.T. 0.00 min  
Lab File: BF100257.D  
Acq: 6 Nov 2017 18:12

Instrument :  
BNA\_F  
ClientSampleId :  
PL-01-110317

Tgt Ion:152 Resp: 90126  
Ion Ratio Lower Upper  
152 100  
150 156.9 124.6 186.8  
115 59.8 50.1 75.1



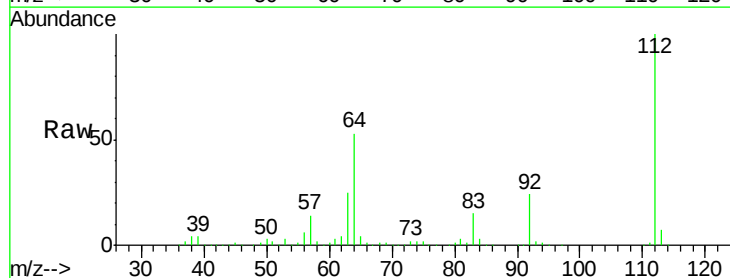
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



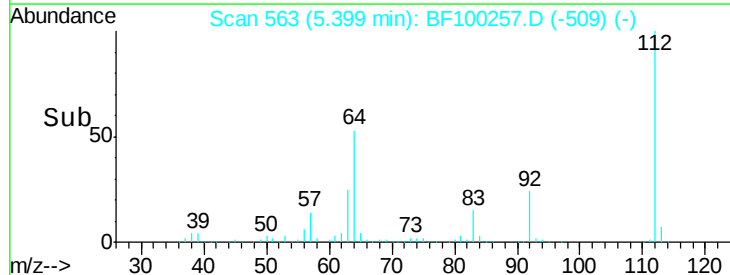
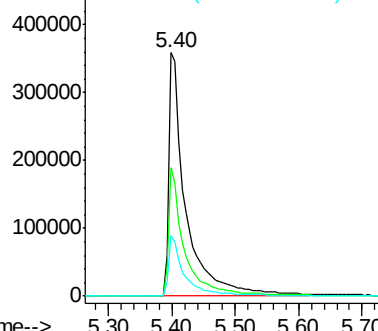
#5

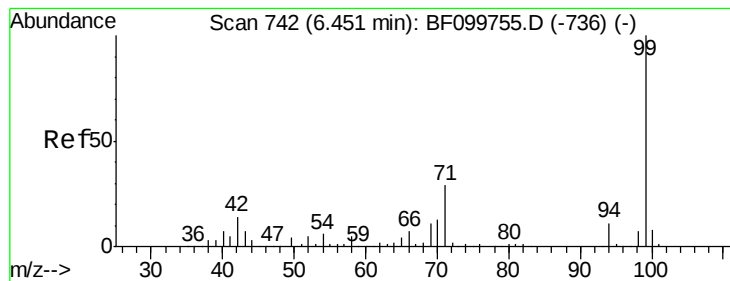
2-Fluorophenol  
Concen: 116.032 ng  
RT: 5.40 min Scan# 563  
Delta R.T. 0.02 min  
Lab File: BF100257.D  
Acq: 6 Nov 2017 18:12

Tgt Ion:112 Resp: 666095  
Ion Ratio Lower Upper  
112 100  
64 52.9 47.9 71.9  
63 24.6 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E  
Ion 64.00 (63.70 to 64.70): BF1  
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 106.668 ng

RT: 6.42 min Scan# 736

Delta R.T. 0.00 min

Lab File: BF100257.D

Acq: 6 Nov 2017 18:12

Instrument :

BNA\_F

ClientSampleId :

PL-01-110317

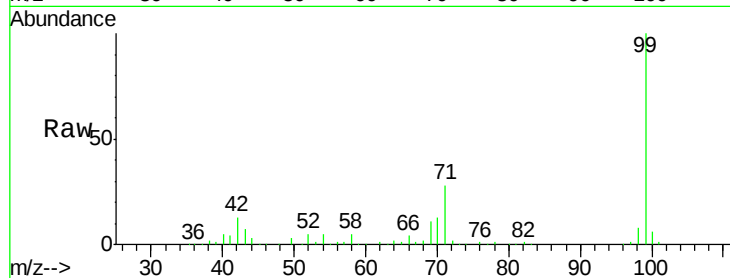
Tgt Ion: 99 Resp: 726066

Ion Ratio Lower Upper

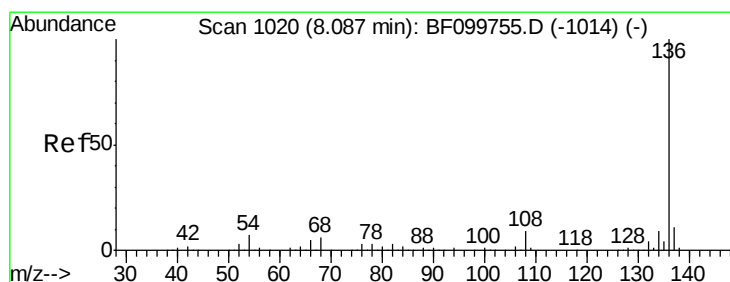
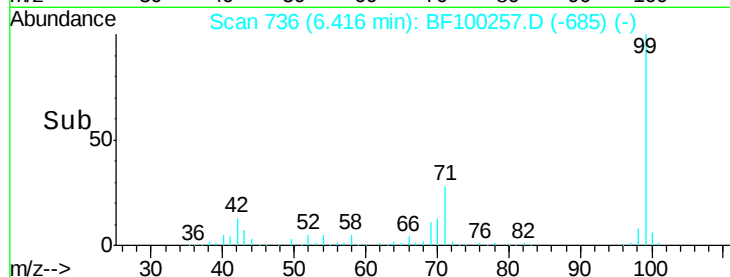
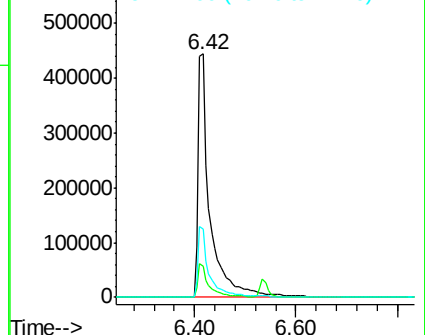
99 100

42 12.6 14.5 21.7#

71 27.9 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1  
Ion 42.00 (41.70 to 42.70): BF1  
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.04 min Scan# 1012

Delta R.T. 0.00 min

Lab File: BF100257.D

Acq: 6 Nov 2017 18:12

Tgt Ion: 136 Resp: 380845

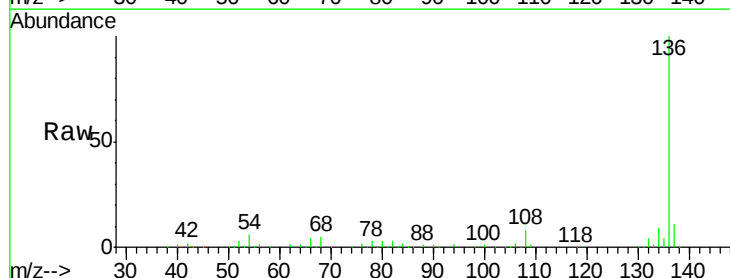
Ion Ratio Lower Upper

136 100

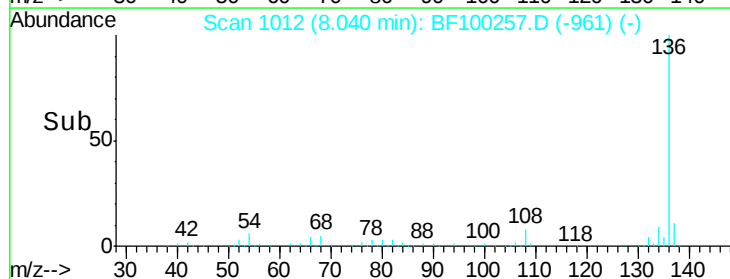
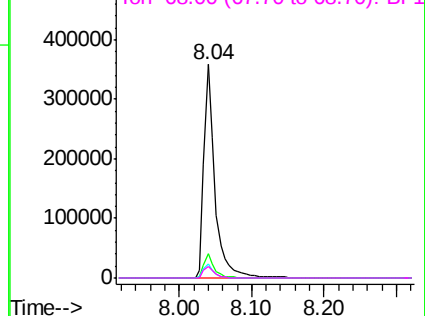
137 11.1 8.9 13.3

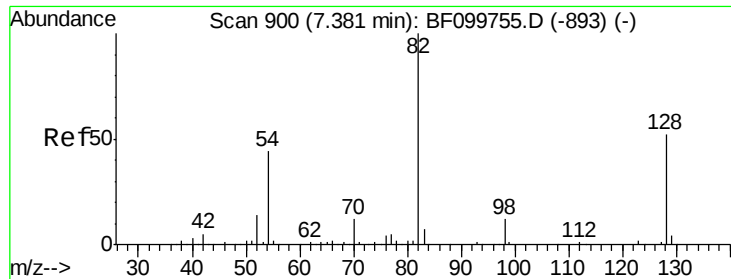
54 6.3 6.6 9.8#

68 5.4 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): BF1  
Ion 68.00 (67.70 to 68.70): BF1

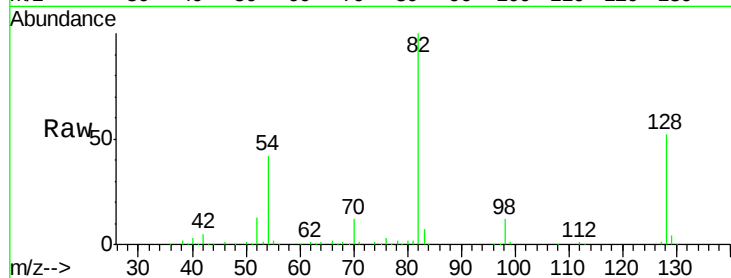




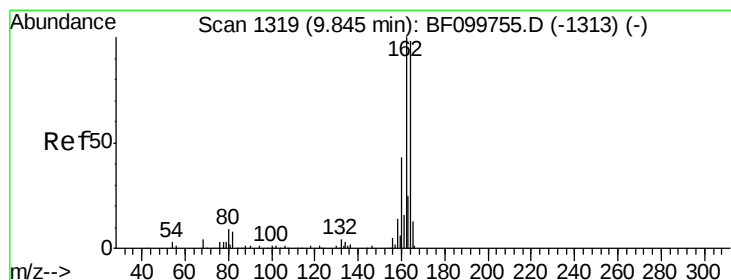
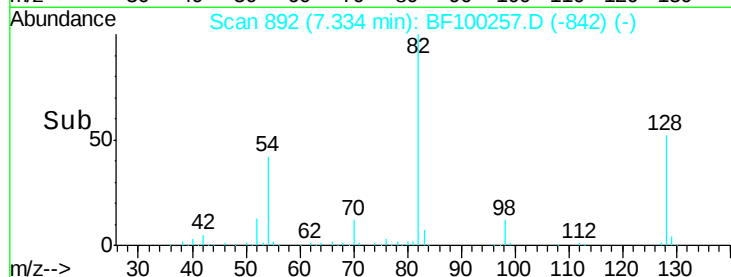
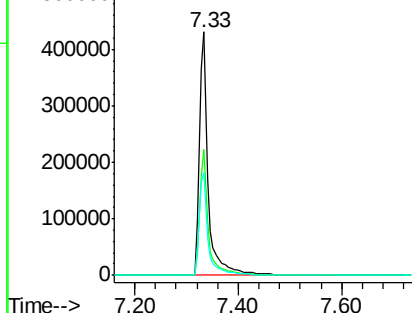
#23  
 Nitrobenzene-d5  
 Concen: 83.652 ng  
 RT: 7.33 min Scan# 892  
 Delta R.T. -0.01 min  
 Lab File: BF100257.D  
 Acq: 6 Nov 2017 18:12

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PL-01-110317

Tgt Ion: 82 Resp: 494847  
 Ion Ratio Lower Upper  
 82 100  
 128 51.9 36.1 54.1  
 54 42.1 41.4 62.2

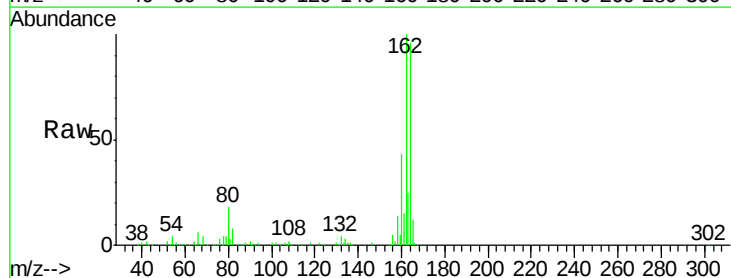


Abundance Ion 82.00 (81.70 to 82.70): BF1  
 Ion 128.00 (127.70 to 128.70): BF1  
 Ion 54.00 (53.70 to 54.70): BF1

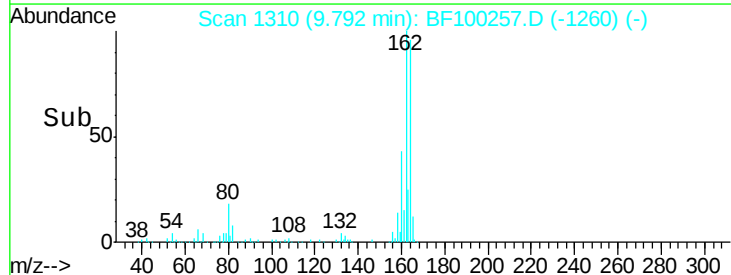
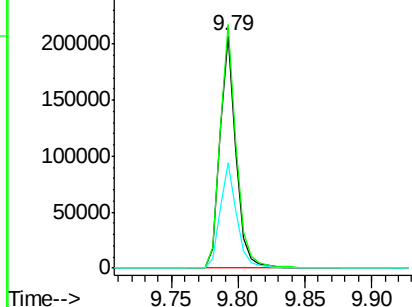


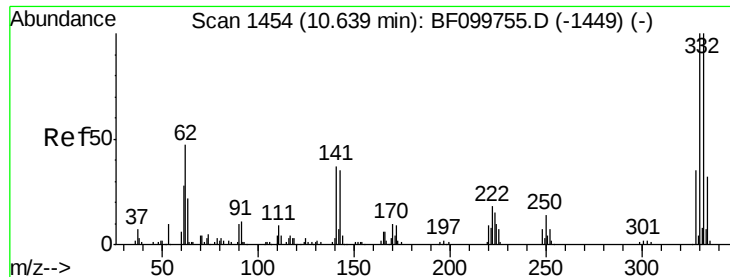
#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.79 min Scan# 1310  
 Delta R.T. -0.01 min  
 Lab File: BF100257.D  
 Acq: 6 Nov 2017 18:12

Tgt Ion: 164 Resp: 176103  
 Ion Ratio Lower Upper  
 164 100  
 162 104.7 86.1 129.1  
 160 45.2 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

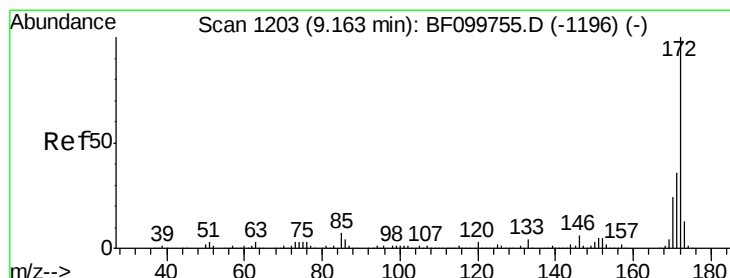
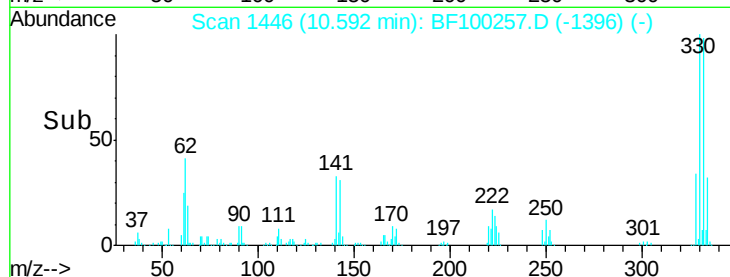
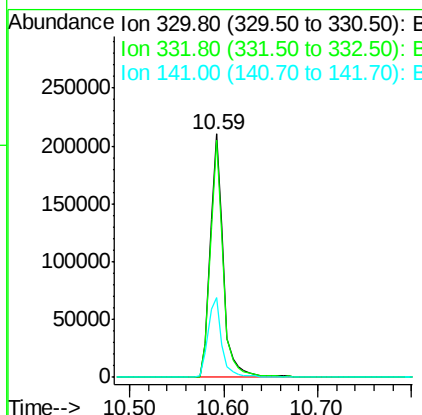
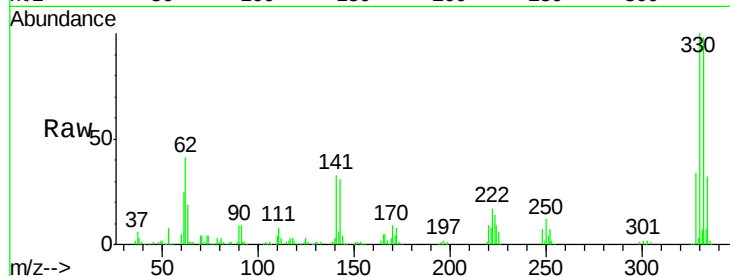




#41  
 2,4,6-Tribromophenol  
 Concen: 130.098 ng  
 RT: 10.59 min Scan# 1446  
 Delta R.T. -0.01 min  
 Lab File: BF100257.D  
 Acq: 6 Nov 2017 18:12

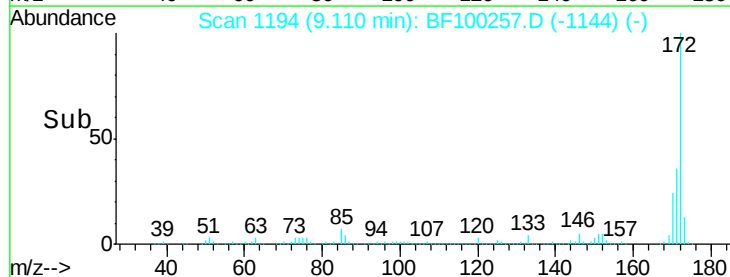
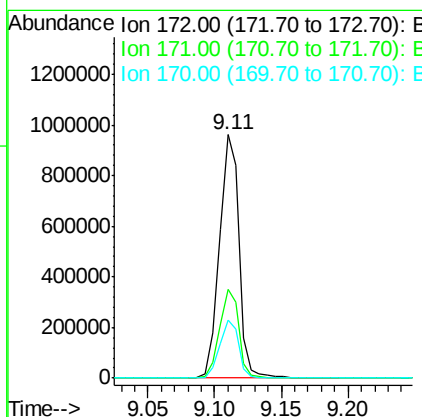
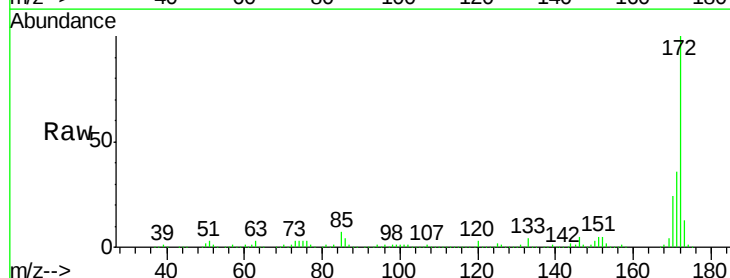
Instrument :  
 BNA\_F  
 ClientSampled :  
 PL-01-110317

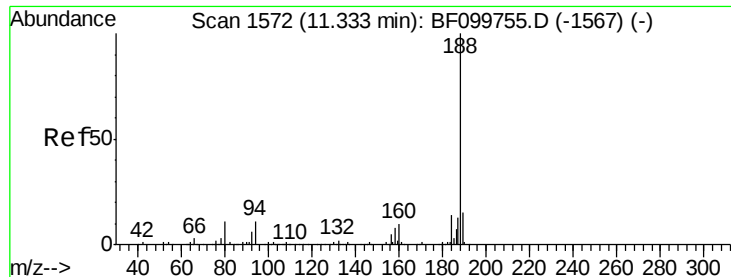
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.4  | 77.0  | 115.6 |
| 141     | 34.2  | 29.9  | 44.9  |



#44  
 2-Fluorobiphenyl  
 Concen: 87.446 ng  
 RT: 9.11 min Scan# 1194  
 Delta R.T. -0.01 min  
 Lab File: BF100257.D  
 Acq: 6 Nov 2017 18:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.2  | 29.7  | 44.5  |
| 170     | 23.7  | 19.6  | 29.4  |

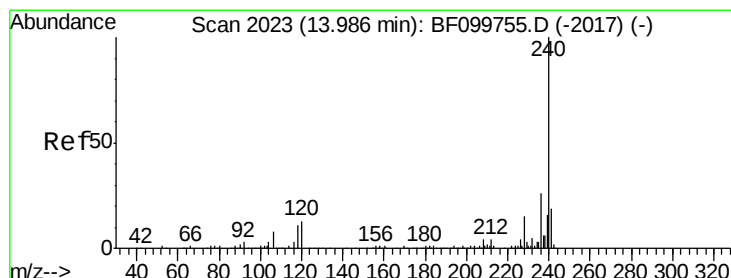
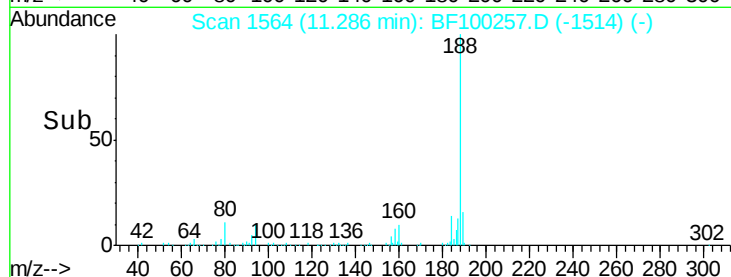
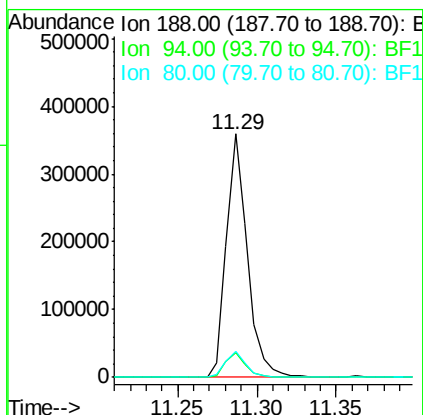
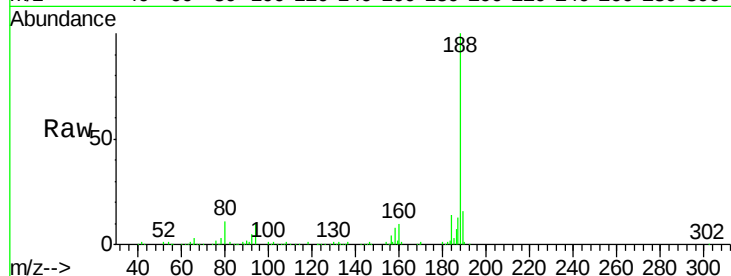




#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.29 min Scan# 1564  
Delta R.T. -0.01 min  
Lab File: BF100257.D  
Acq: 6 Nov 2017 18:12

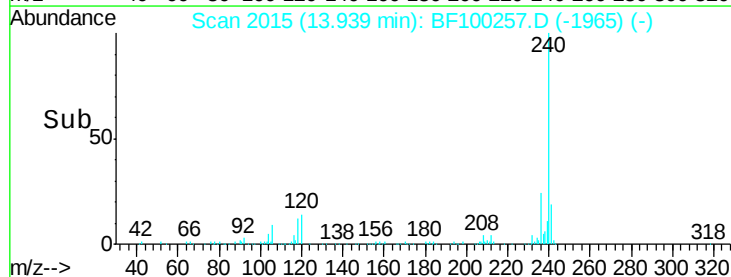
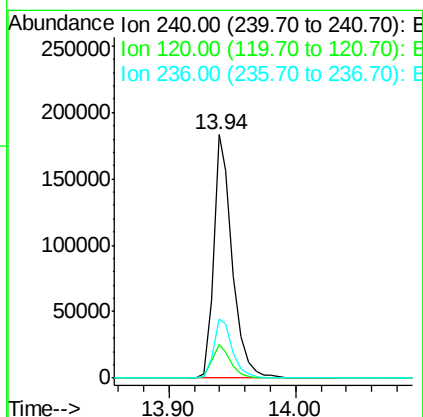
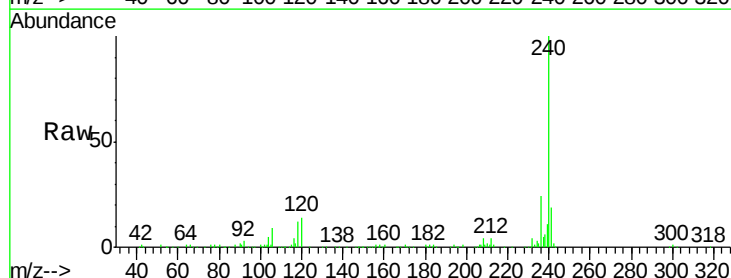
Instrument :  
BNA\_F  
ClientSampleId :  
PL-01-110317

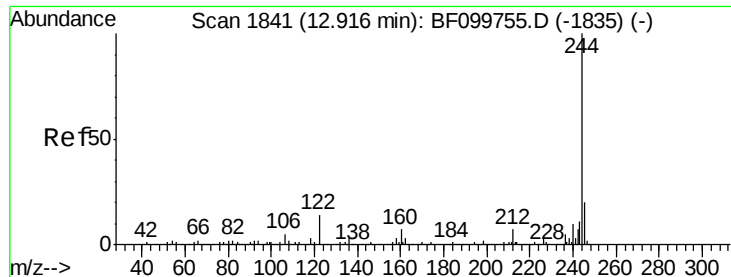
Tgt Ion:188 Resp: 329343  
Ion Ratio Lower Upper  
188 100  
94 10.3 8.5 12.7  
80 10.7 9.2 13.8



#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.94 min Scan# 2015  
Delta R.T. -0.01 min  
Lab File: BF100257.D  
Acq: 6 Nov 2017 18:12

Tgt Ion:240 Resp: 188178  
Ion Ratio Lower Upper  
240 100  
120 13.9 9.5 14.3  
236 24.1 20.7 31.1





#78

Terphenyl-d14

Concen: 102.354 ng

RT: 12.87 min Scan# 1833

Delta R.T. 0.00 min

Lab File: BF100257.D

Acq: 6 Nov 2017 18:12

Instrument :

BNA\_F

ClientSampleId :

PL-01-110317

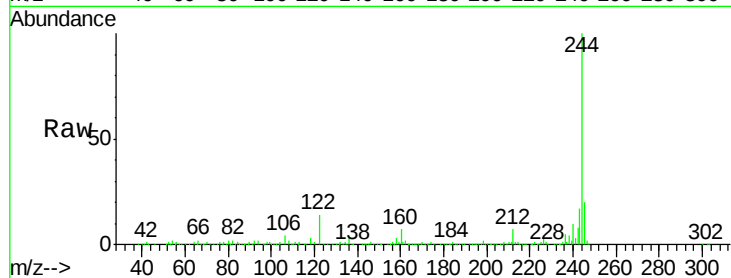
Tgt Ion:244 Resp: 881354

Ion Ratio Lower Upper

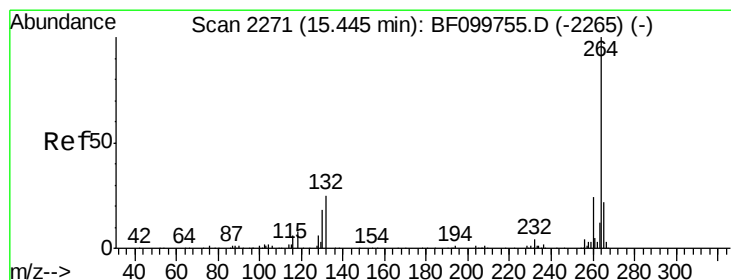
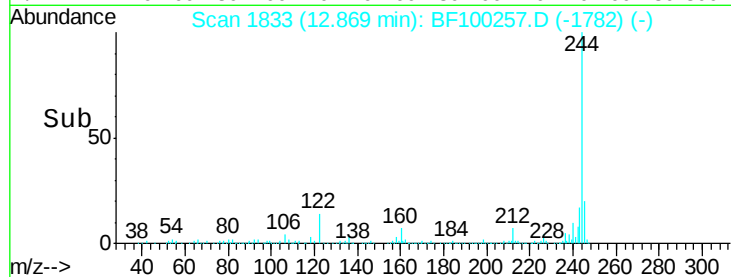
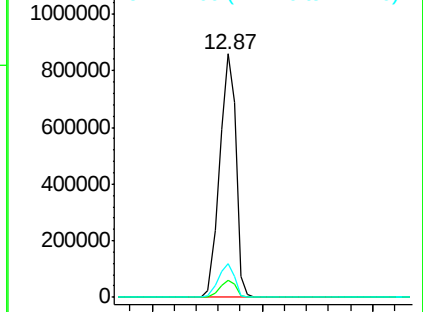
244 100

212 7.1 5.4 8.0

122 13.8 11.0 16.4



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: 20.000 ng

RT: 15.40 min Scan# 2264

Delta R.T. 0.00 min

Lab File: BF100257.D

Acq: 6 Nov 2017 18:12

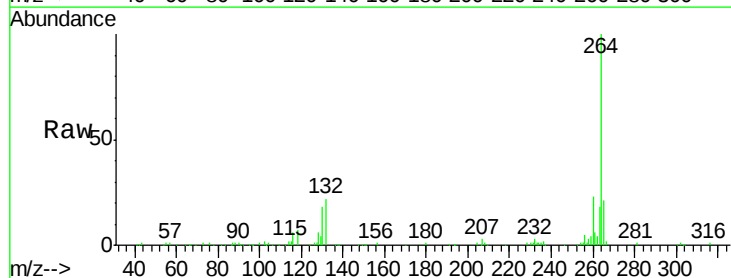
Tgt Ion:264 Resp: 144012

Ion Ratio Lower Upper

264 100

260 23.3 19.2 28.8

265 21.5 17.5 26.3



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

