

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101817\  
 Data File : BF099657.D  
 Acq On : 19 Oct 2017 10:34  
 Operator : SJ/JU  
 Sample : I5935-12  
 Misc :  
 ALS Vial : 38 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CL-02-101617-D

Quant Time: Oct 19 17:39:43 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Oct 18 15:18:49 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.83  | 152  | 89167    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.11  | 136  | 315354   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 9.86  | 164  | 112494   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.35 | 188  | 179286   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 13.99 | 240  | 182552   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 15.46 | 264  | 143752   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.47  | 112  | 703169   | 125.54 | ng    | 0.02     |
| 7) Phenol-d6                | 6.47  | 99   | 729875   | 105.63 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.39  | 82   | 497790   | 101.23 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 10.66 | 330  | 131993   | 143.39 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.18  | 172  | 834761   | 123.88 | ng    | 0.00     |
| 78) Terphenyl-d14           | 12.93 | 244  | 678148   | 84.48  | ng    | 0.00     |

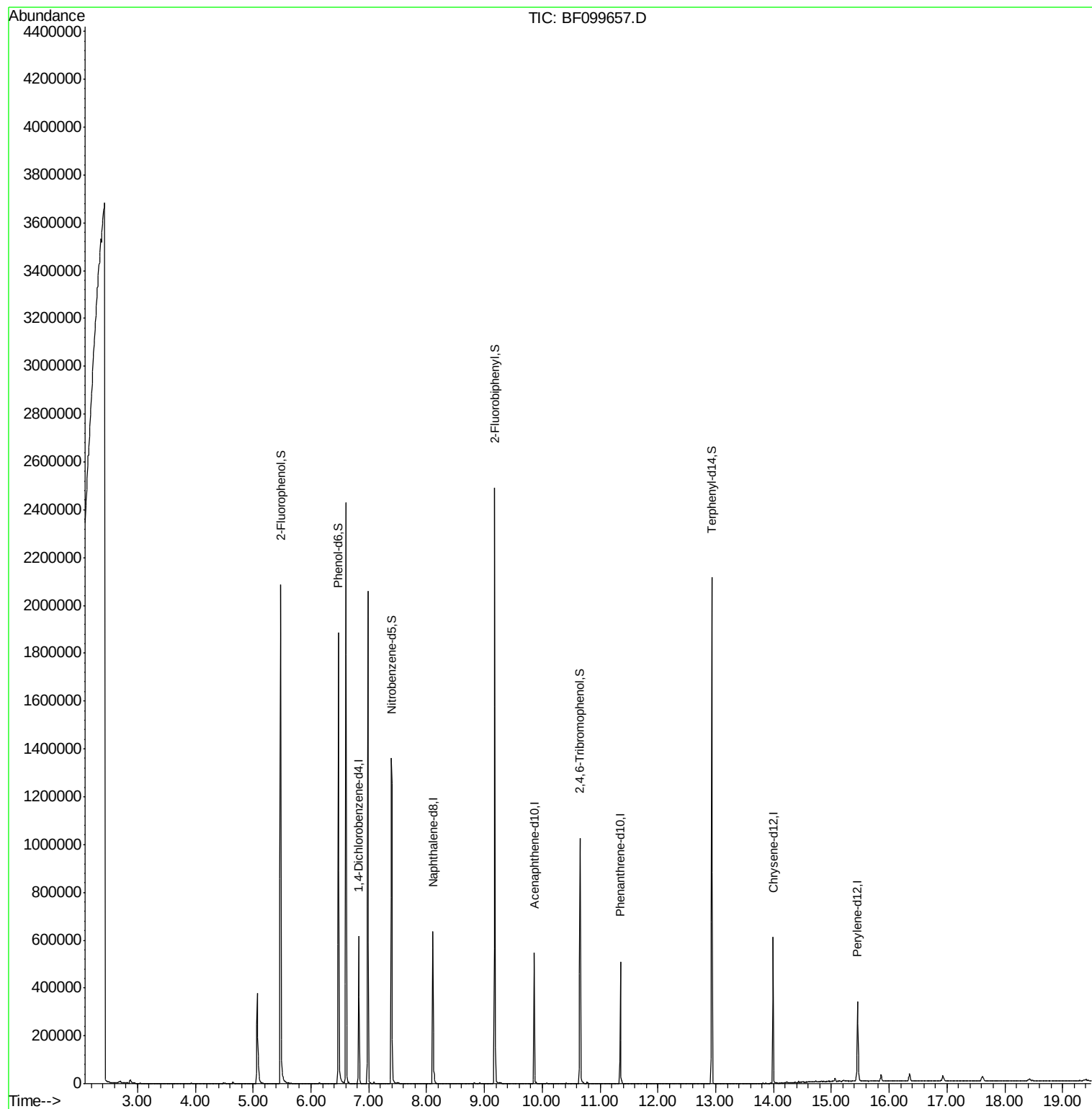
Target Compounds Qvalue

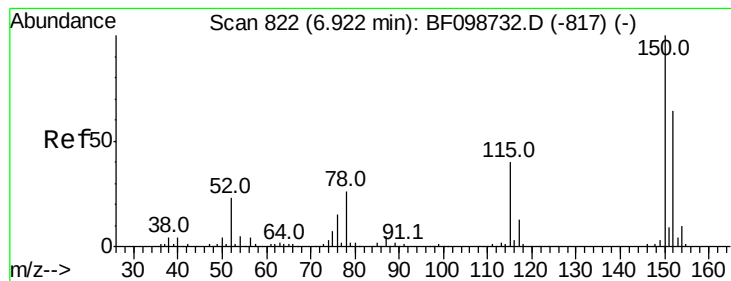
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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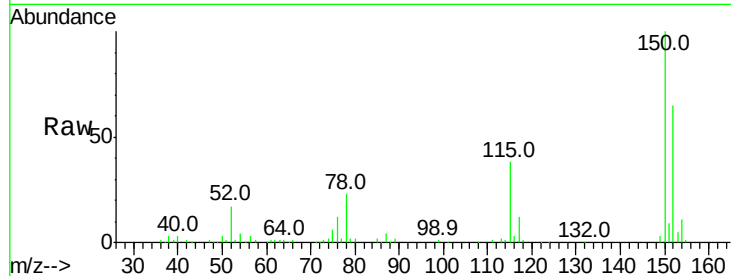


#1

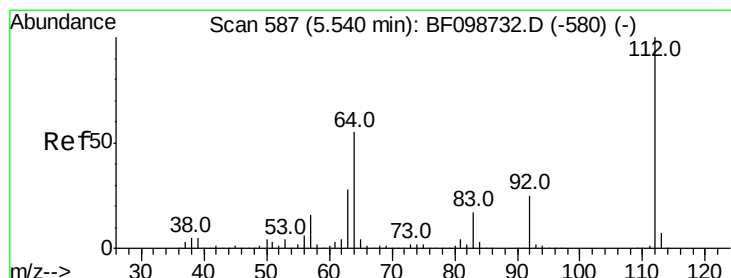
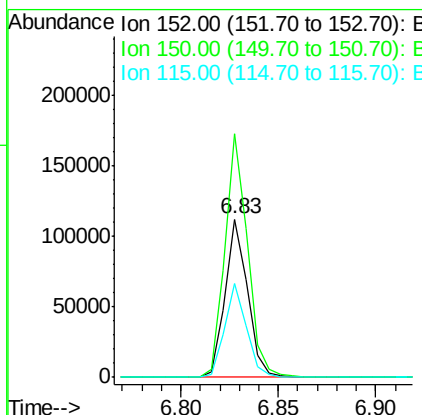
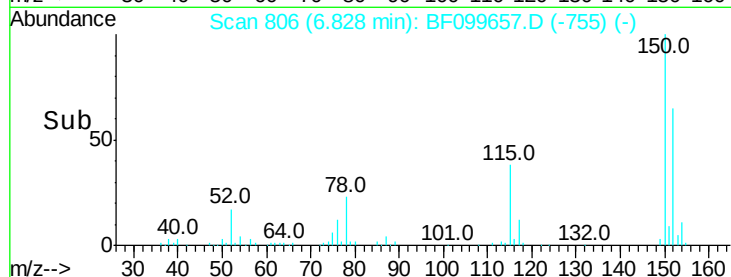
1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.83 min Scan# 806  
 Delta R.T. 0.00 min  
 Lab File: BF099657.D  
 Acq: 19 Oct 2017 10:34

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CL-02-101617-D

Tot Ion:152 Resp: 89167  
 Ion Ratio Lower Upper  
 152 100  
 150 154.1 124.6 186.8  
 115 59.1 50.1 75.1



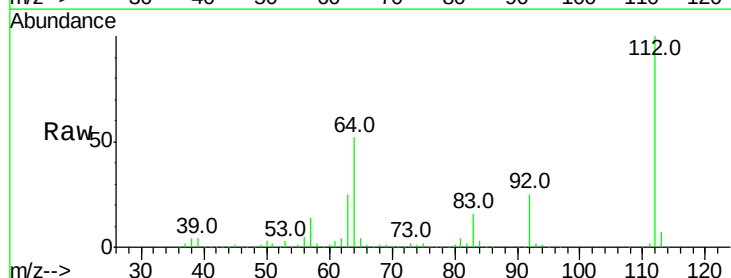
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



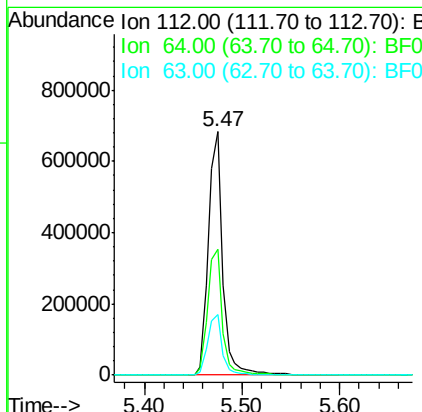
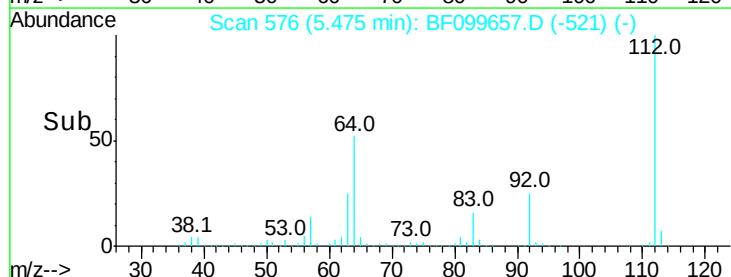
#5

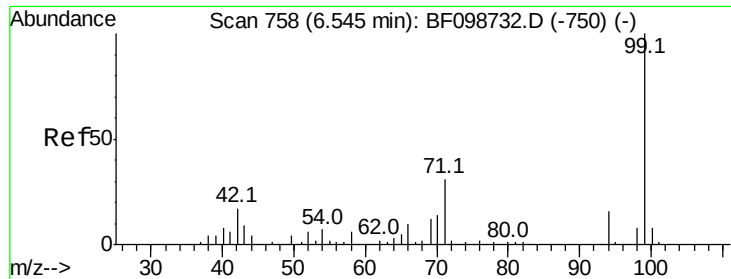
2-Fluorophenol  
 Concen: 125.537 ng  
 RT: 5.47 min Scan# 576  
 Delta R.T. 0.02 min  
 Lab File: BF099657.D  
 Acq: 19 Oct 2017 10:34

Tgt Ion:112 Resp: 703169  
 Ion Ratio Lower Upper  
 112 100  
 64 51.8 47.9 71.9  
 63 24.9 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: 105.629 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF099657.D

Acq: 19 Oct 2017 10:34

Instrument :

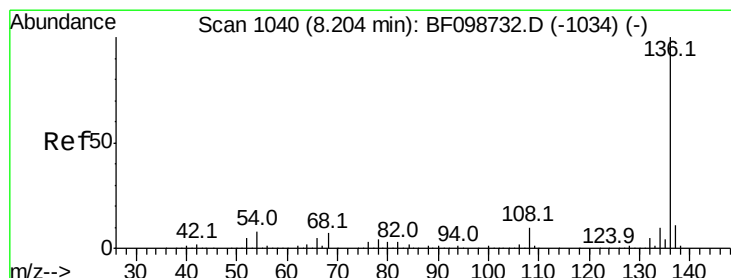
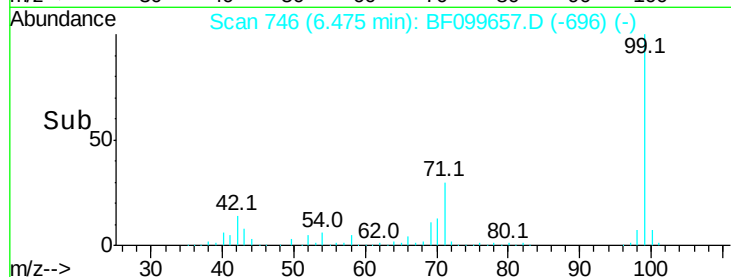
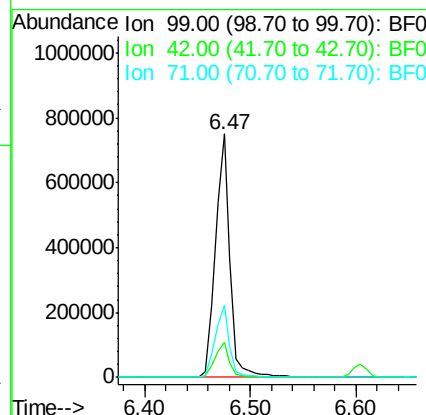
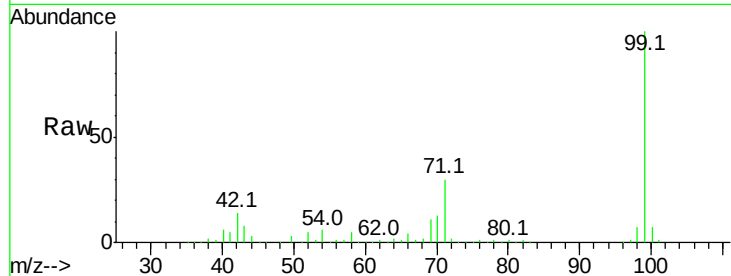
BNA\_F

ClientSampleId :

CL-02-101617-D

Tot Ion: 99 Resp: 729875

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 14.5  | 14.5  | 21.7# |
| 71  | 29.5  | 25.4  | 38.0  |



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.11 min Scan# 1024

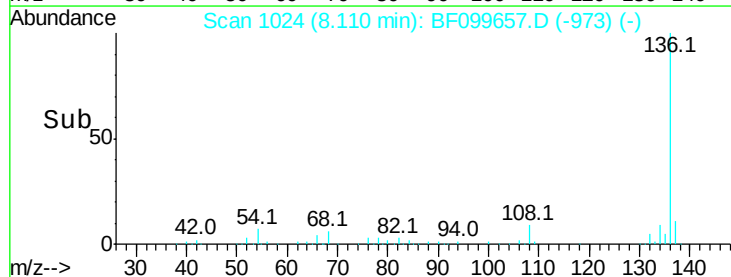
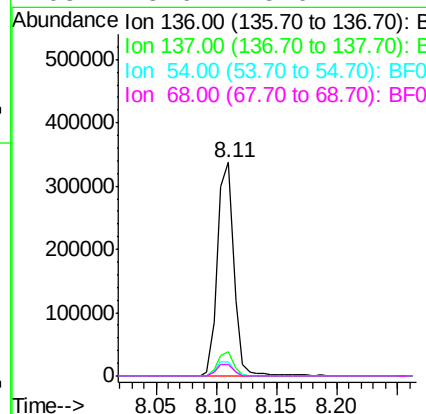
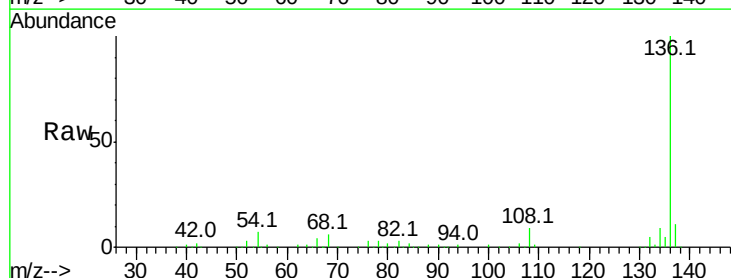
Delta R.T. 0.00 min

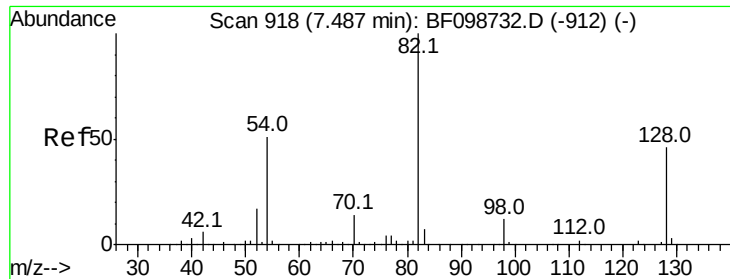
Lab File: BF099657.D

Acq: 19 Oct 2017 10:34

Tgt Ion: 136 Resp: 315354

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 11.1  | 8.9   | 13.3  |
| 54  | 6.9   | 6.6   | 9.8   |
| 68  | 5.6   | 5.0   | 7.4   |

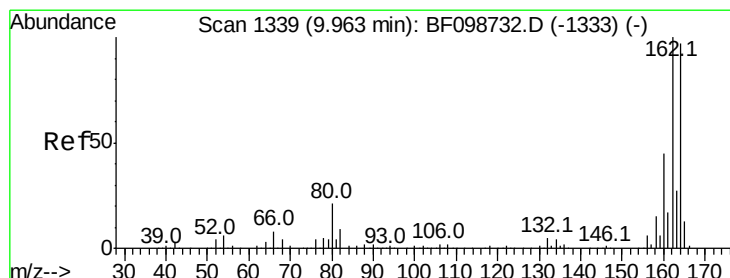
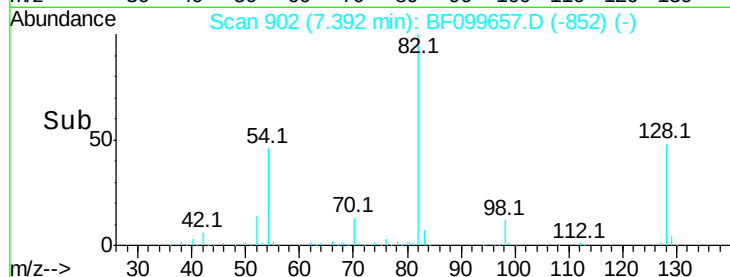
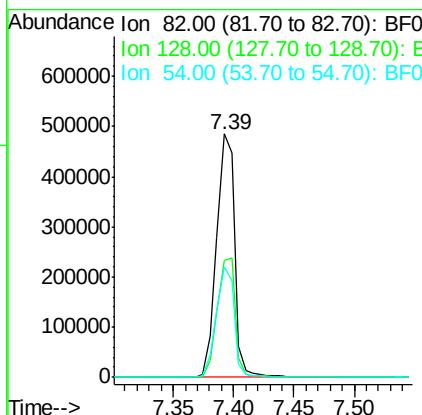
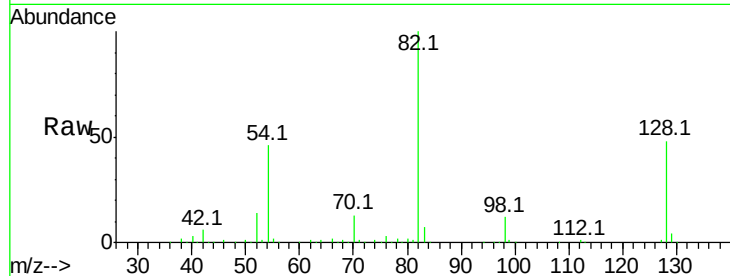




#23  
 Nitrobenzene-d5  
 Concen: 101.230 ng  
 RT: 7.39 min Scan# 902  
 Delta R.T. -0.01 min  
 Lab File: BF099657.D  
 Acq: 19 Oct 2017 10:34

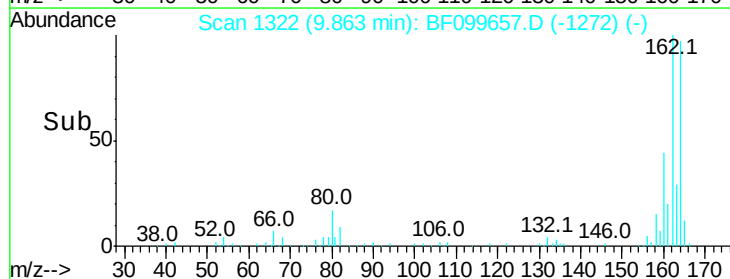
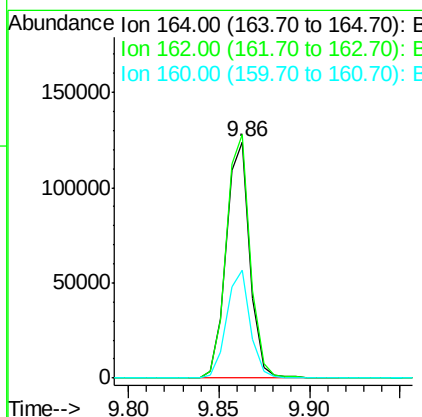
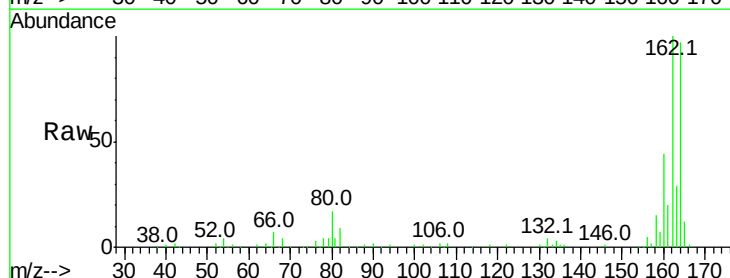
Instrument :  
 BNA\_F  
 ClientSampleId :  
 CL-02-101617-D

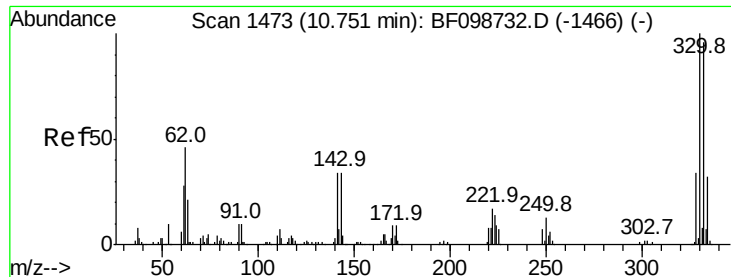
Tot Ion: 82 Resp: 497790  
 Ion Ratio Lower Upper  
 82 100  
 128 48.1 36.1 54.1  
 54 45.6 41.4 62.2



#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.86 min Scan# 1322  
 Delta R.T. -0.01 min  
 Lab File: BF099657.D  
 Acq: 19 Oct 2017 10:34

Tgt Ion:164 Resp: 112494  
 Ion Ratio Lower Upper  
 164 100  
 162 102.9 86.1 129.1  
 160 45.7 38.3 57.5

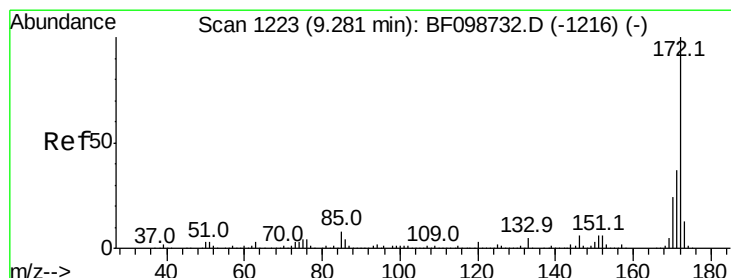
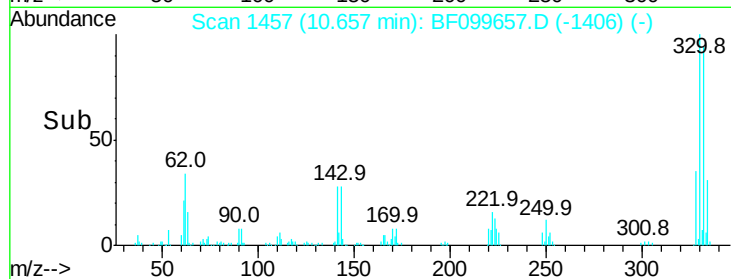
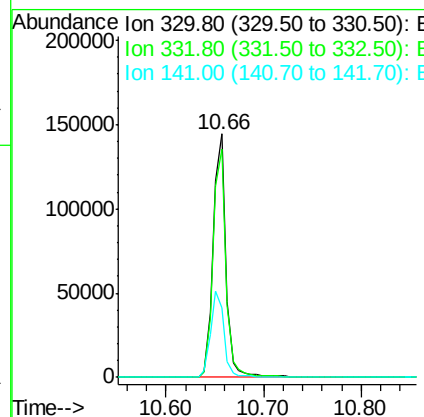
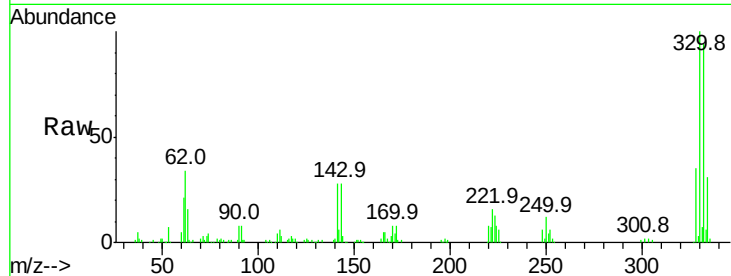




#41  
 2,4,6-Tribromophenol  
 Concen: 143.392 ng  
 RT: 10.66 min Scan# 1457  
 Delta R.T. 0.00 min  
 Lab File: BF099657.D  
 Acq: 19 Oct 2017 10:34

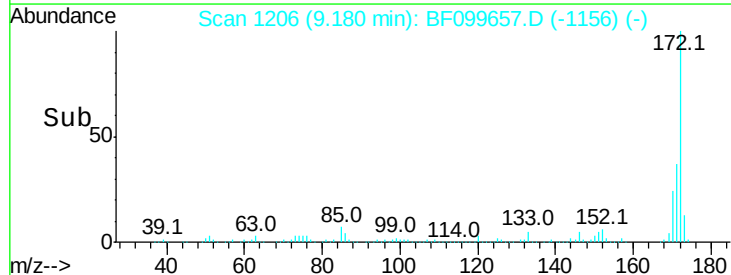
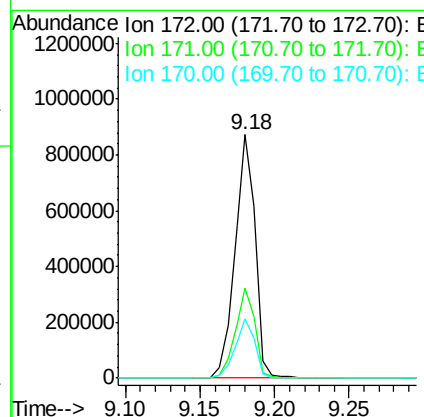
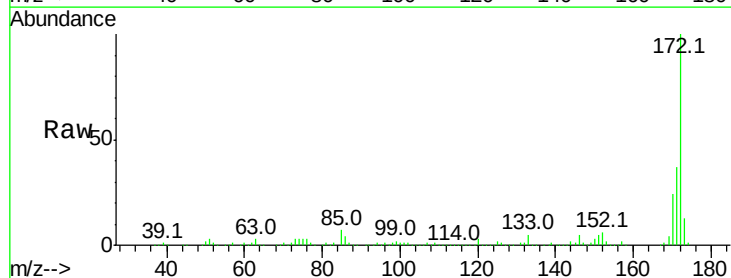
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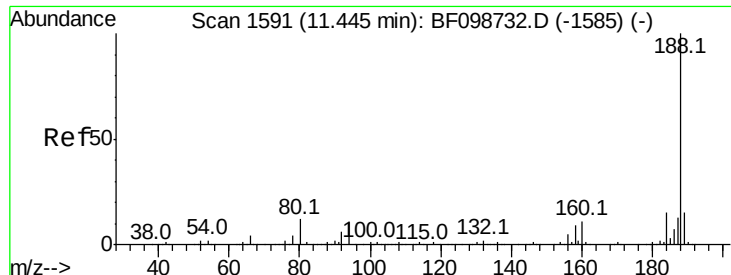
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.1  | 77.0  | 115.6 |
| 141     | 36.9  | 29.9  | 44.9  |



#44  
 2-Fluorobiphenyl  
 Concen: 123.879 ng  
 RT: 9.18 min Scan# 1206  
 Delta R.T. -0.01 min  
 Lab File: BF099657.D  
 Acq: 19 Oct 2017 10:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.8  | 29.7  | 44.5  |
| 170     | 24.3  | 19.6  | 29.4  |

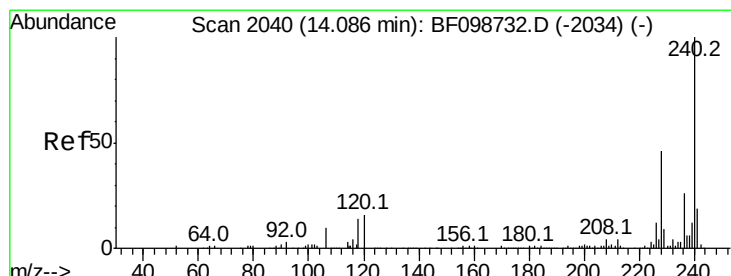
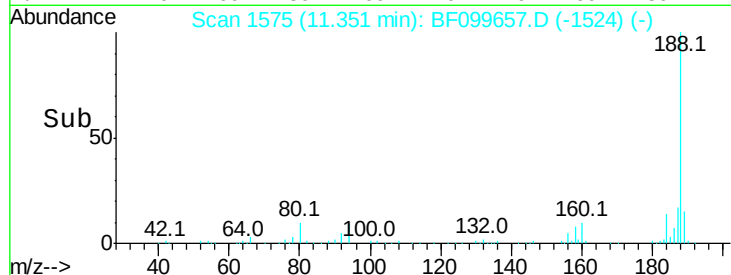
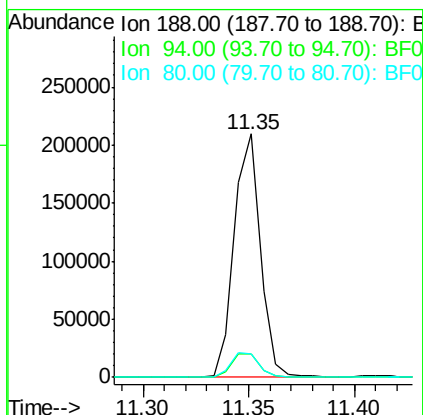
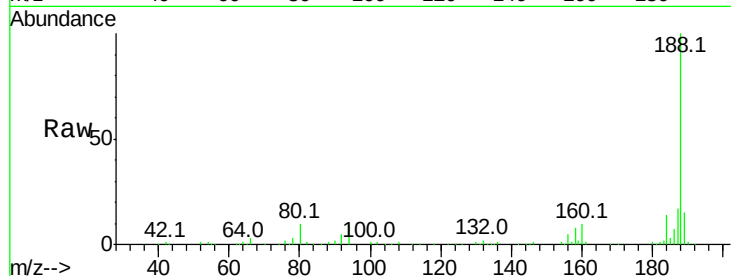




#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.35 min Scan# 1575  
Delta R.T. 0.00 min  
Lab File: BF099657.D  
Acq: 19 Oct 2017 10:34

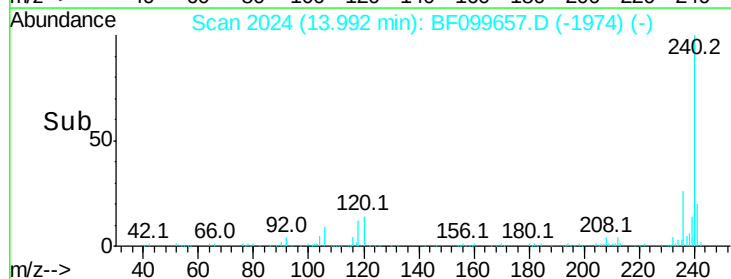
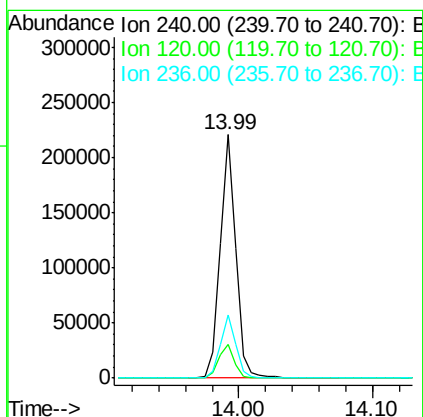
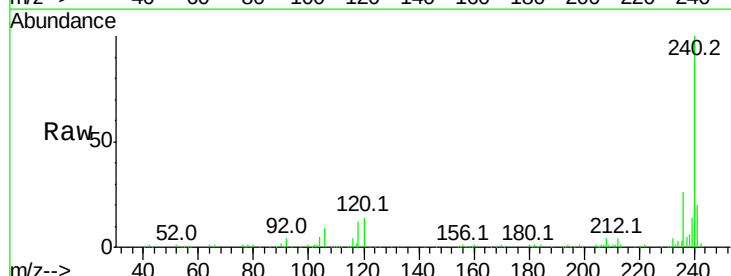
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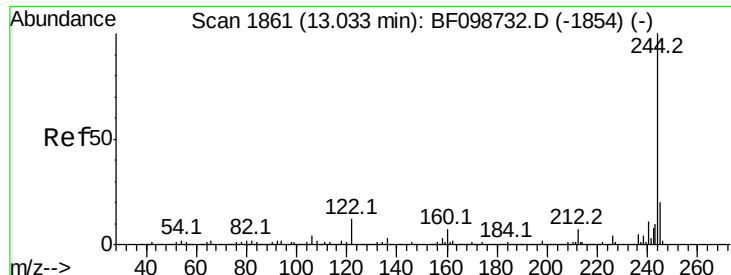
Tot Ion:188 Resp: 179286  
Ion Ratio Lower Upper  
188 100  
94 9.5 8.5 12.7  
80 9.9 9.2 13.8



#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.99 min Scan# 2024  
Delta R.T. -0.01 min  
Lab File: BF099657.D  
Acq: 19 Oct 2017 10:34

Tgt Ion:240 Resp: 182552  
Ion Ratio Lower Upper  
240 100  
120 13.9 9.5 14.3  
236 25.9 20.7 31.1





#78

Terphenyl-d14

Concen: 84.483 ng

RT: 12.93 min Scan# 1844

Delta R.T. 0.00 min

Lab File: BF099657.D

Acq: 19 Oct 2017 10:34

Instrument :

BNA\_F

ClientSampleId :

CL-02-101617-D

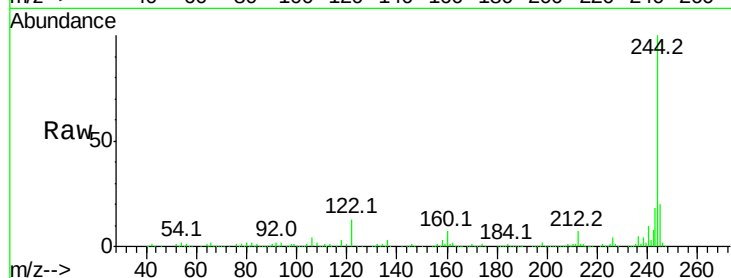
Tot Ion:244 Resp: 678148

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

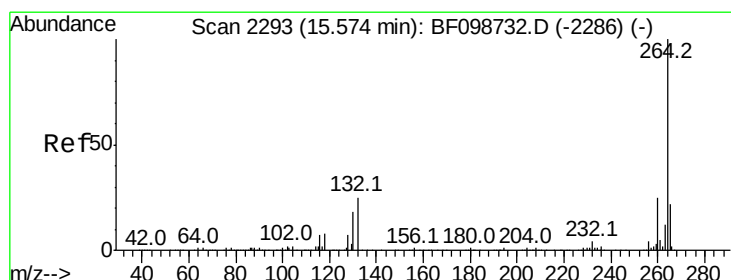
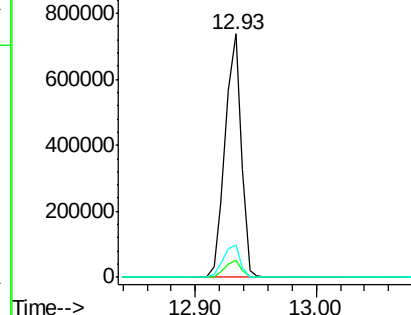
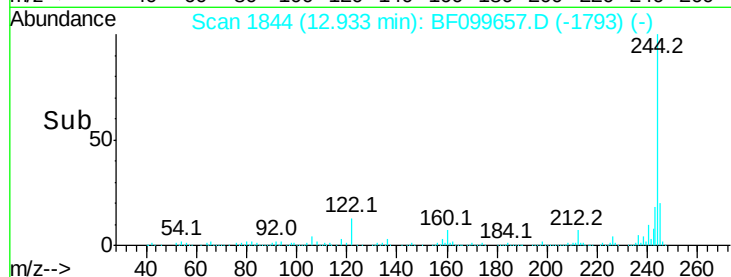
122 13.1 11.0 16.4



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: 15.46 min Scan# 2273

Delta R.T. 0.00 min

Lab File: BF099657.D

Acq: 19 Oct 2017 10:34

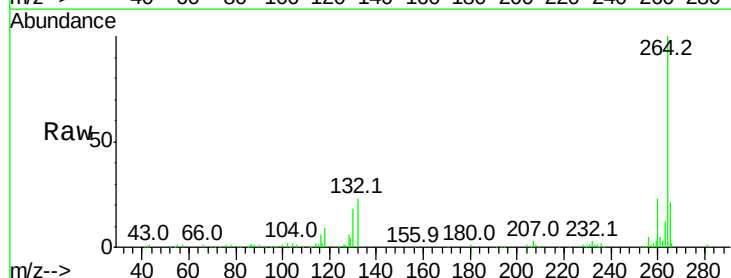
Tgt Ion:264 Resp: 143752

Ion Ratio Lower Upper

264 100

260 22.6 19.2 28.8

265 20.5 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

