

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF110317\  
 Data File : BF100157.D  
 Acq On : 4 Nov 2017 2:41  
 Operator : SJ/JU  
 Sample : I6160-03  
 Misc :  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 RLF-SW-4

Quant Time: Nov 04 04:19:14 2017  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF102317.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Nov 03 15:46:10 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.77  | 152  | 101840   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.05  | 136  | 415058   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 9.80  | 164  | 179687   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.30 | 188  | 288103   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 13.95 | 240  | 161781   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 15.41 | 264  | 166862   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.39  | 112  | 417961   | 64.43  | ng    | 0.00     |
| 7) Phenol-d6                | 6.42  | 99   | 319647   | 41.56  | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.35  | 82   | 590717   | 91.63  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 10.60 | 330  | 193919   | 118.42 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.13  | 172  | 1114009  | 95.65  | ng    | 0.00     |
| 78) Terphenyl-d14           | 12.88 | 244  | 765884   | 103.46 | ng    | 0.00     |

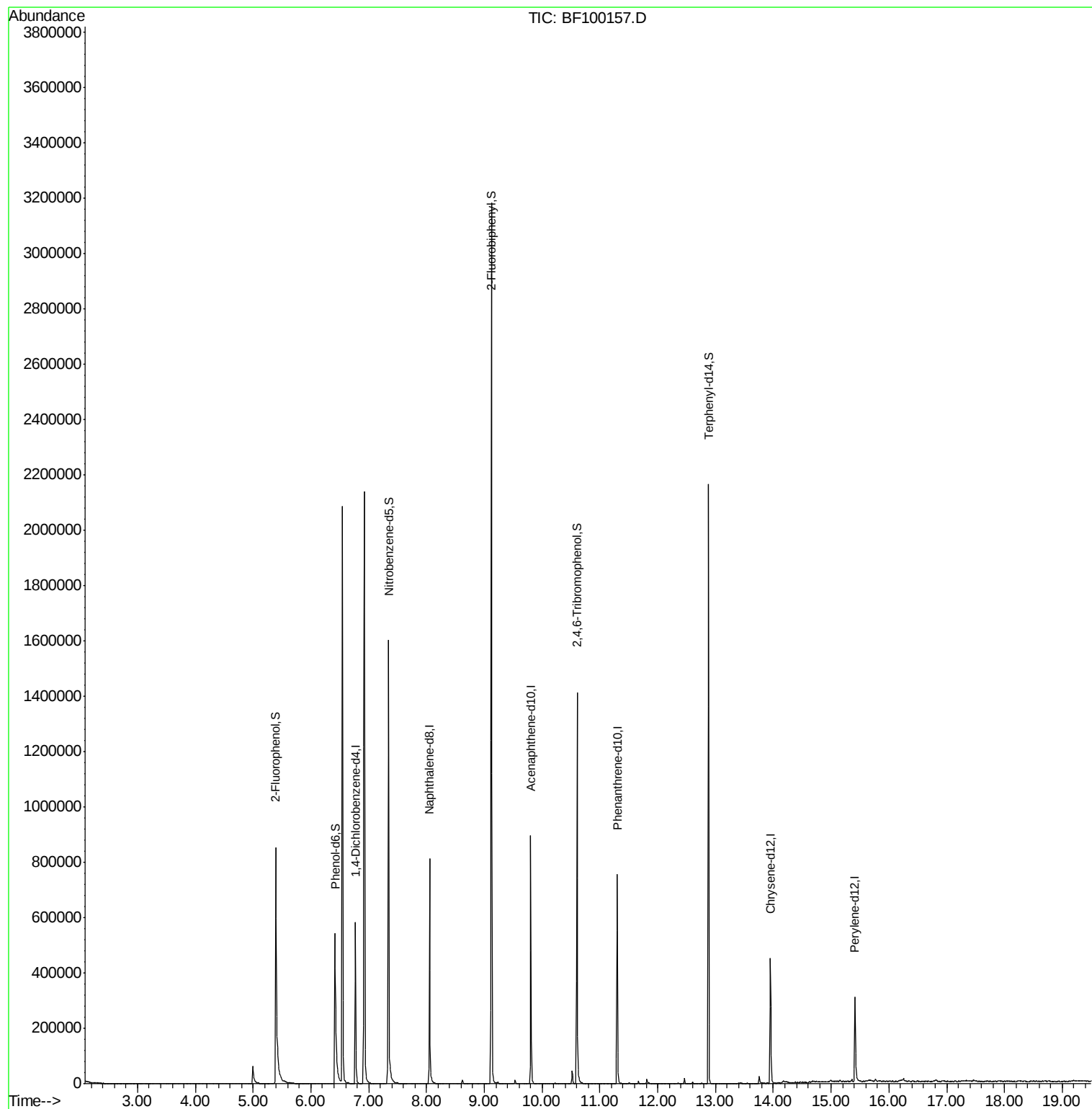
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

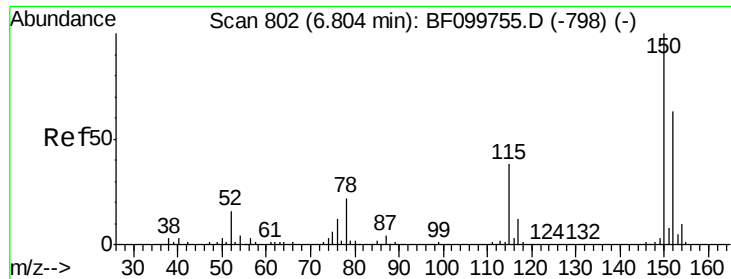
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 26 Sample Multiplier: 1

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ClientSampleId :  
RLF-SW-4

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Response via : Initial Calibration



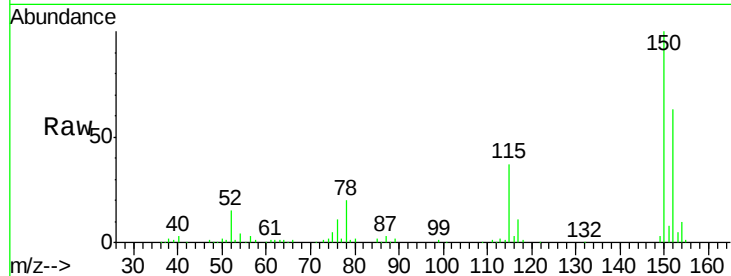


#1

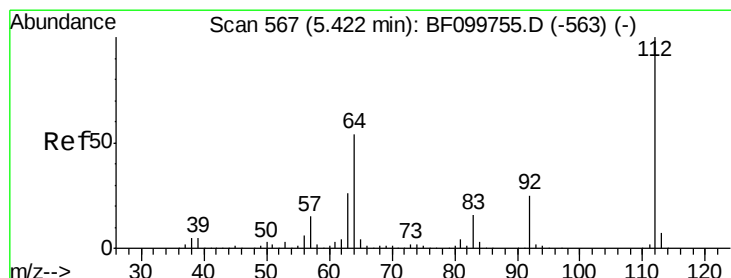
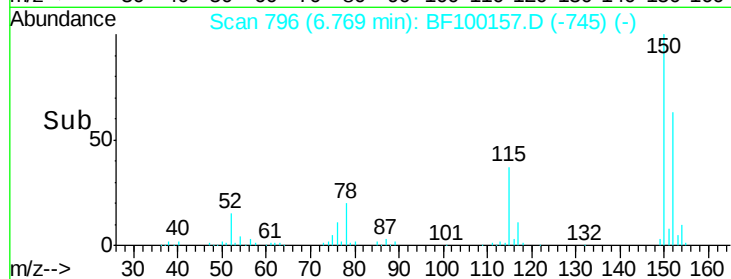
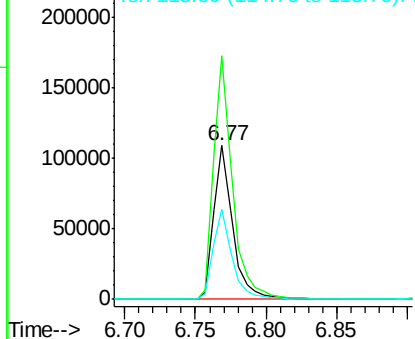
1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.77 min Scan# 796  
 Delta R.T. 0.00 min  
 Lab File: BF100157.D  
 Acq: 4 Nov 2017 2:41

Instrument :  
 BNA\_F  
 ClientSampleId :  
 RLF-SW-4

Tgt Ion:152 Resp: 101840  
 Ion Ratio Lower Upper  
 152 100  
 150 158.5 124.6 186.8  
 115 58.6 50.1 75.1



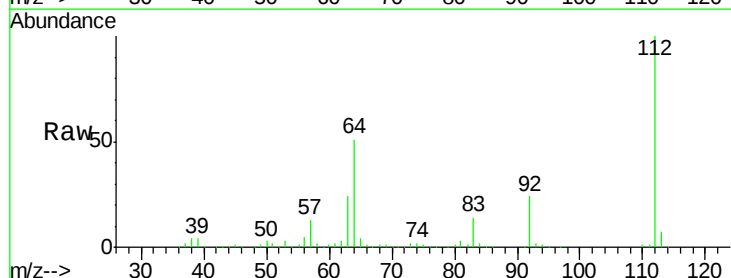
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



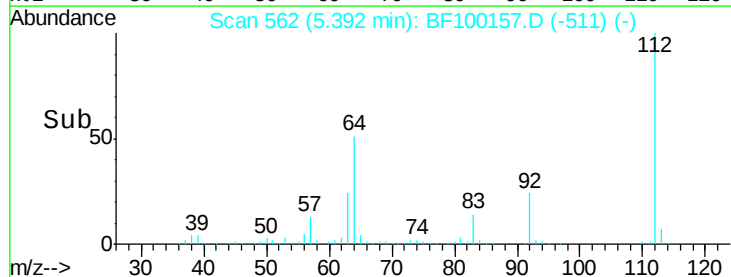
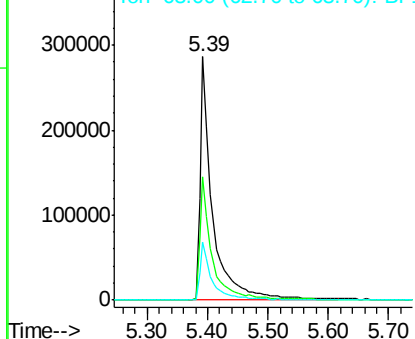
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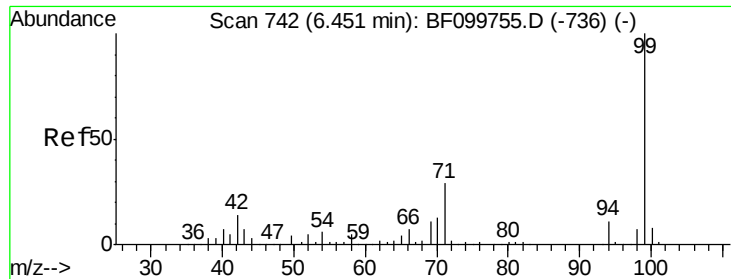
2-Fluorophenol  
 Concen: 64.433 ng  
 RT: 5.39 min Scan# 562  
 Delta R.T. -0.00 min  
 Lab File: BF100157.D  
 Acq: 4 Nov 2017 2:41

Tgt Ion:112 Resp: 417961  
 Ion Ratio Lower Upper  
 112 100  
 64 50.7 47.9 71.9  
 63 23.9 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: 41.559 ng

RT: 6.42 min Scan# 736

Delta R.T. -0.01 min

Lab File: BF100157.D

Acq: 4 Nov 2017 2:41

Instrument :

BNA\_F

ClientSampleId :

RLF-SW-4

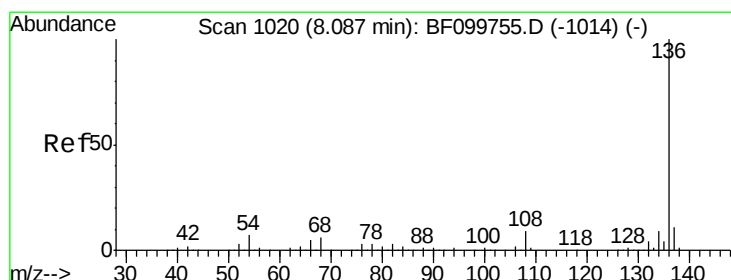
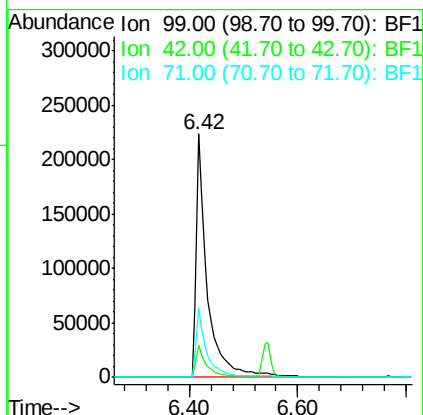
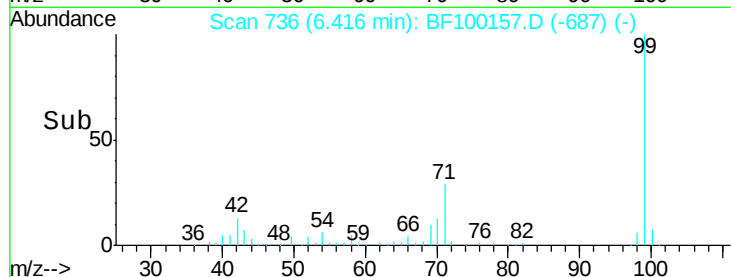
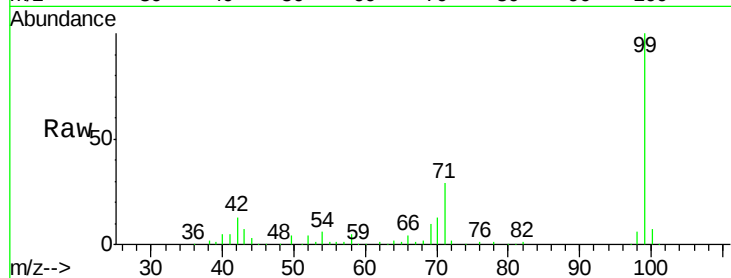
Tgt Ion: 99 Resp: 319647

Ion Ratio Lower Upper

99 100

42 13.1 14.5 21.7#

71 28.6 25.4 38.0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.05 min Scan# 1014

Delta R.T. -0.00 min

Lab File: BF100157.D

Acq: 4 Nov 2017 2:41

Tgt Ion: 136 Resp: 415058

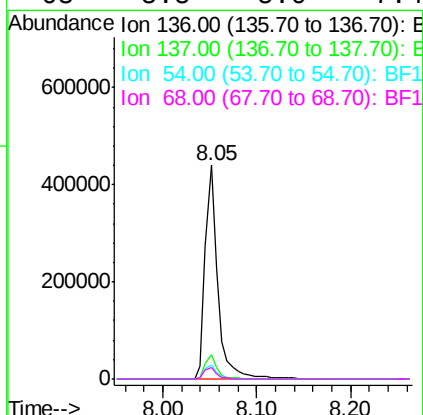
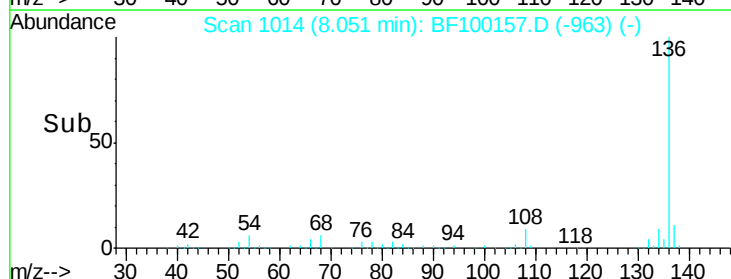
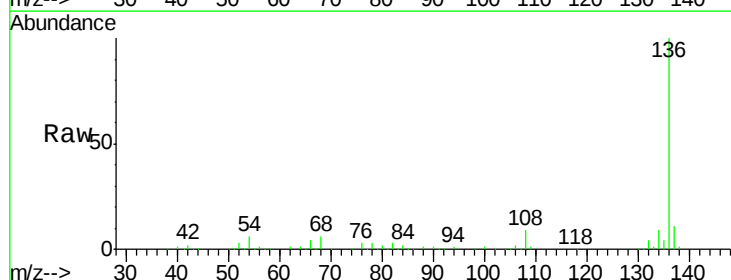
Ion Ratio Lower Upper

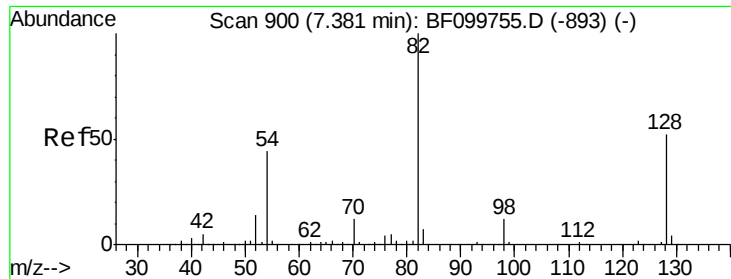
136 100

137 11.3 8.9 13.3

54 6.3 6.6 9.8#

68 5.5 5.0 7.4

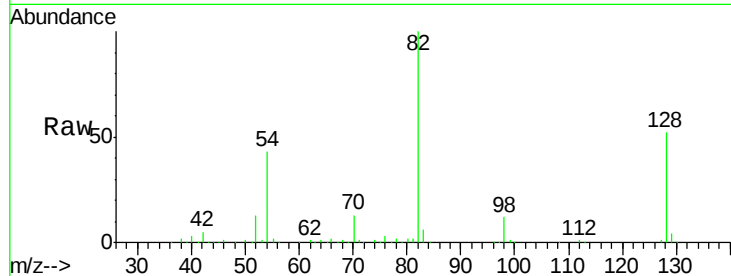




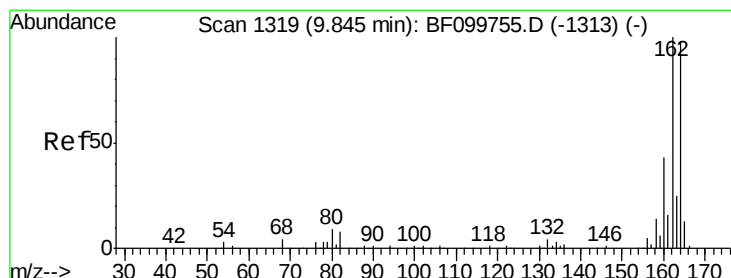
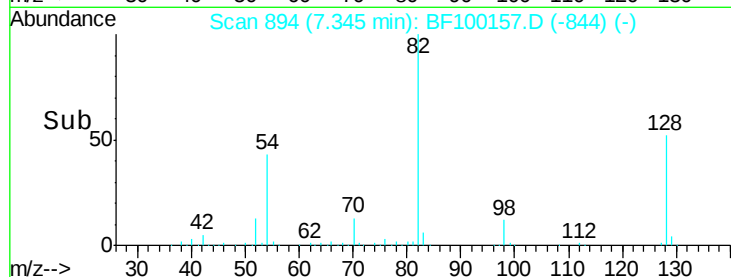
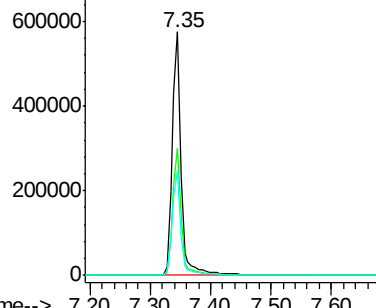
#23  
 Nitrobenzene-d5  
 Concen: 91.627 ng  
 RT: 7.35 min Scan# 894  
 Delta R.T. -0.01 min  
 Lab File: BF100157.D  
 Acq: 4 Nov 2017 2:41

Instrument :  
 BNA\_F  
 ClientSampleId :  
 RLF-SW-4

Tgt Ion: 82 Resp: 590717  
 Ion Ratio Lower Upper  
 82 100  
 128 52.0 36.1 54.1  
 54 42.7 41.4 62.2

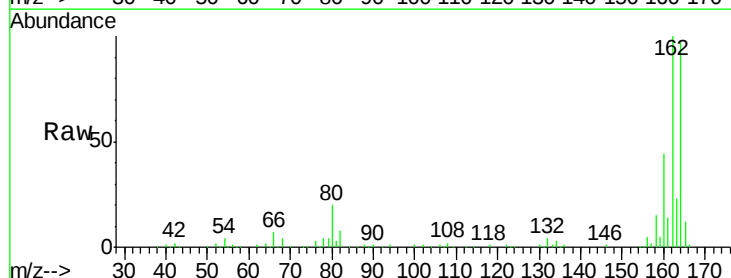


Abundance Ion 82.00 (81.70 to 82.70): BF1  
 Ion 128.00 (127.70 to 128.70): BF1  
 Ion 54.00 (53.70 to 54.70): BF1

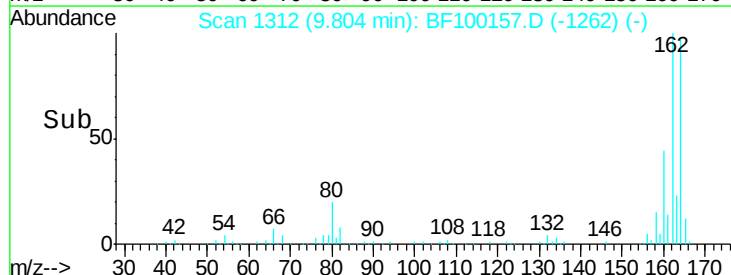
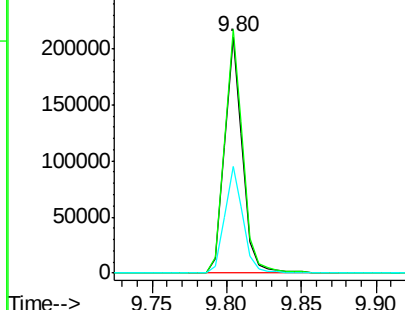


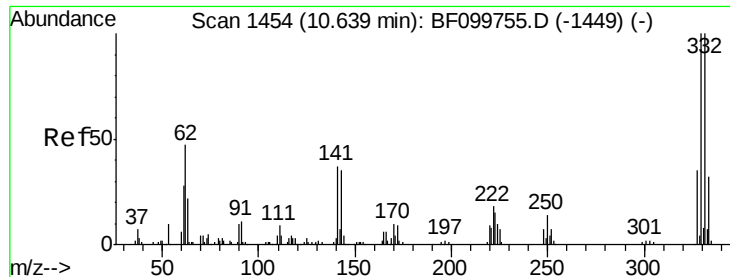
#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.80 min Scan# 1312  
 Delta R.T. -0.01 min  
 Lab File: BF100157.D  
 Acq: 4 Nov 2017 2:41

Tgt Ion: 164 Resp: 179687  
 Ion Ratio Lower Upper  
 164 100  
 162 103.0 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

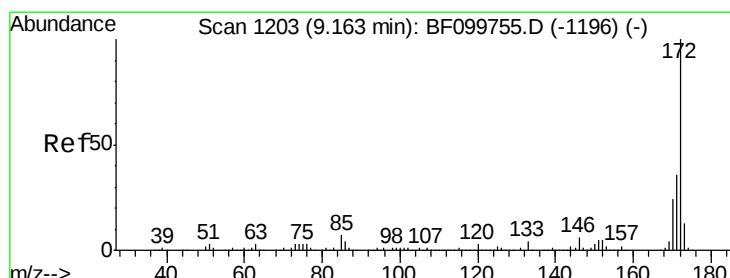
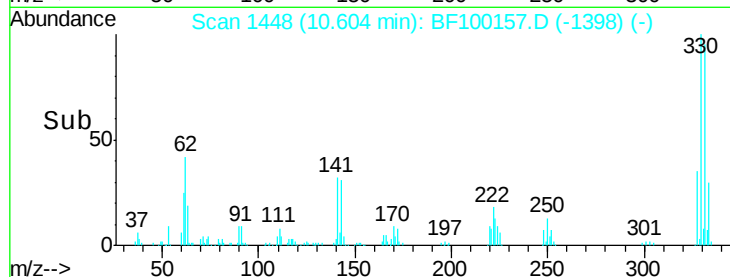
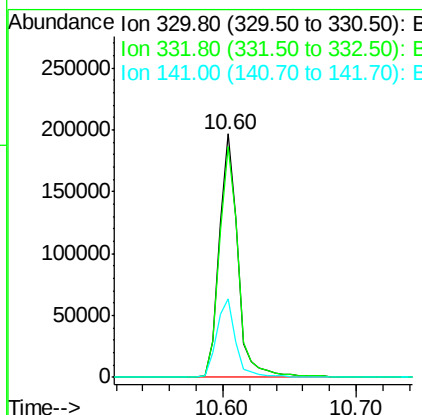
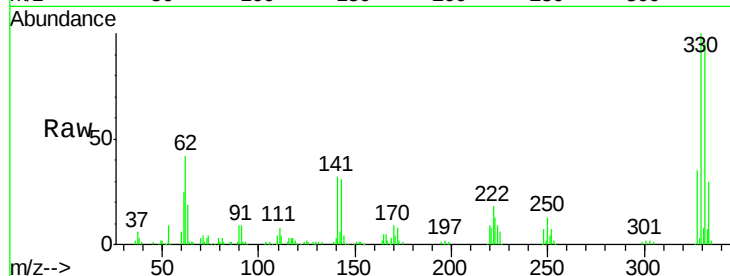




#41  
 2,4,6-Tribromophenol  
 Concen: 118.423 ng  
 RT: 10.60 min Scan# 1448  
 Delta R.T. -0.01 min  
 Lab File: BF100157.D  
 Acq: 4 Nov 2017 2:41

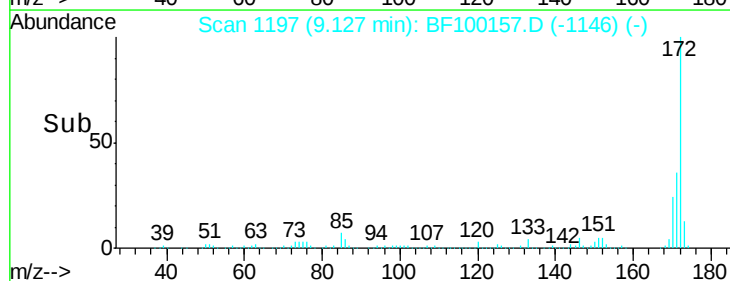
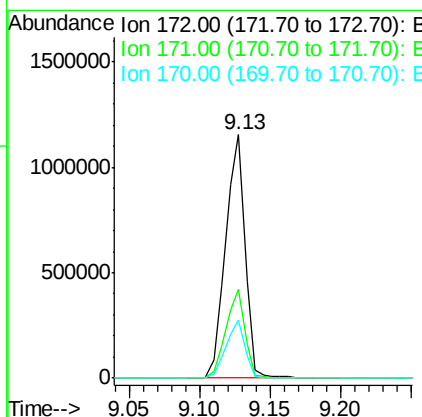
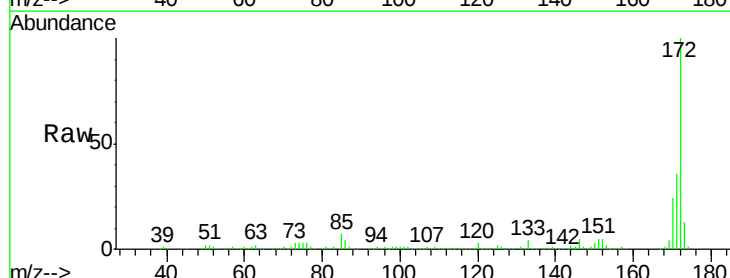
Instrument :  
 BNA\_F  
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 RLF-SW-4

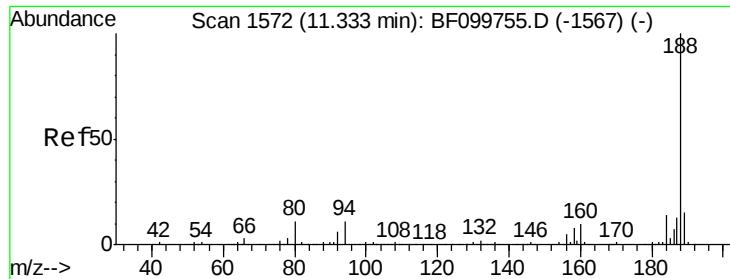
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 97.5  | 77.0  | 115.6 |
| 141     | 33.8  | 29.9  | 44.9  |



#44  
 2-Fluorobiphenyl  
 Concen: 95.652 ng  
 RT: 9.13 min Scan# 1197  
 Delta R.T. -0.00 min  
 Lab File: BF100157.D  
 Acq: 4 Nov 2017 2:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.3  | 29.7  | 44.5  |
| 170     | 23.8  | 19.6  | 29.4  |

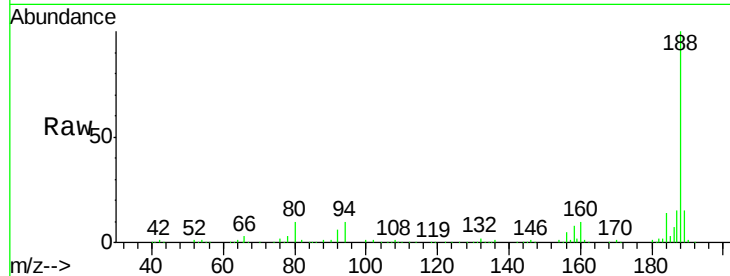




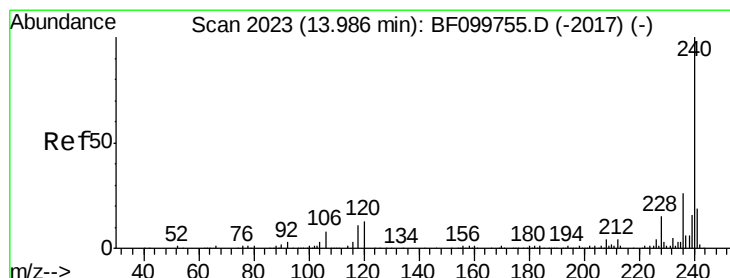
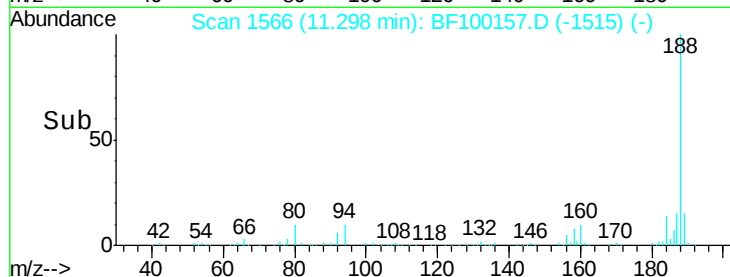
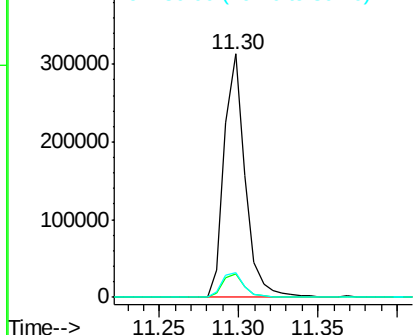
#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.30 min Scan# 1566  
Delta R.T. 0.00 min  
Lab File: BF100157.D  
Acq: 4 Nov 2017 2:41

Instrument :  
BNA\_F  
ClientSampleId :  
RLF-SW-4

Tgt Ion:188 Resp: 288103  
Ion Ratio Lower Upper  
188 100  
94 9.9 8.5 12.7  
80 10.1 9.2 13.8

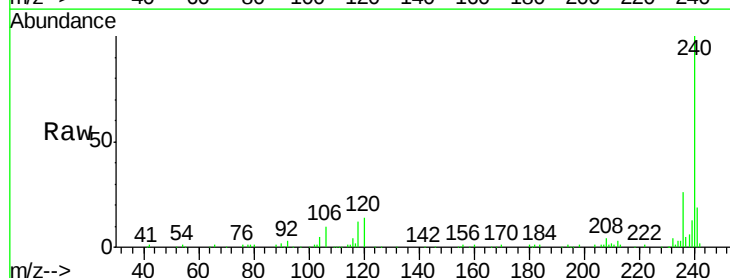


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF1  
Ion 80.00 (79.70 to 80.70): BF1

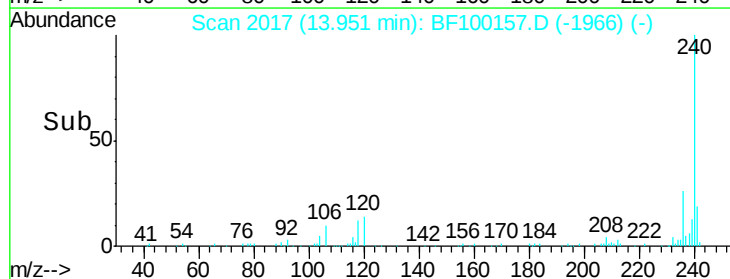
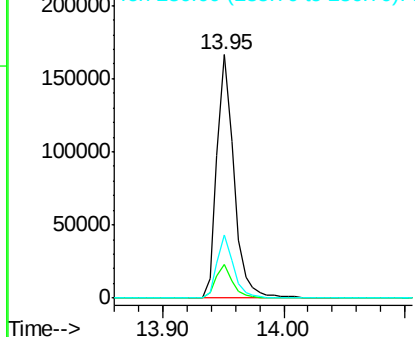


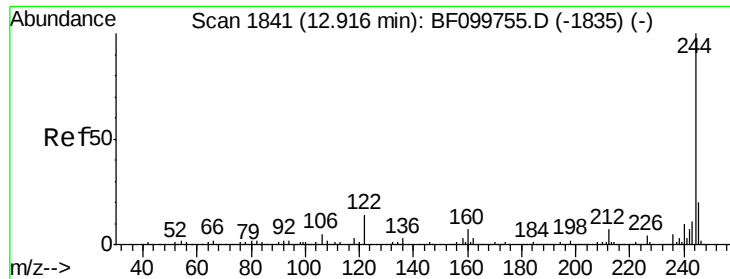
#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.95 min Scan# 2017  
Delta R.T. -0.00 min  
Lab File: BF100157.D  
Acq: 4 Nov 2017 2:41

Tgt Ion:240 Resp: 161781  
Ion Ratio Lower Upper  
240 100  
120 14.1 9.5 14.3  
236 26.0 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

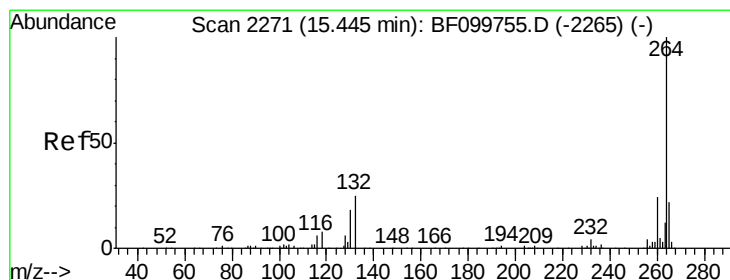
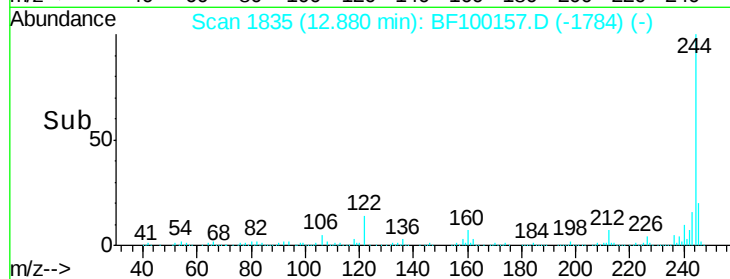
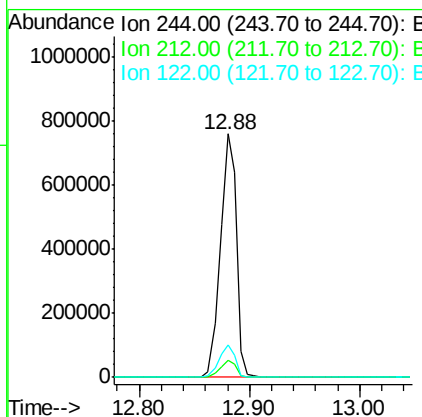
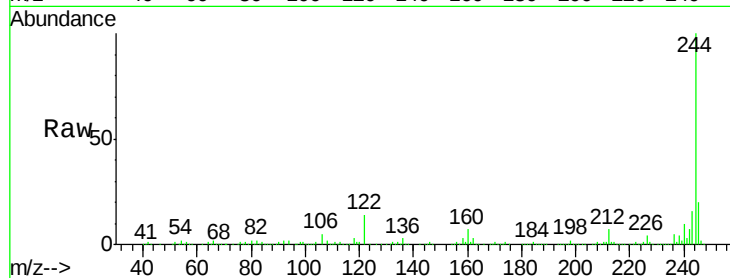




#78  
 Terphenyl-d14  
 Concen: 103.457 ng  
 RT: 12.88 min Scan# 1835  
 Delta R.T. 0.00 min  
 Lab File: BF100157.D  
 Acq: 4 Nov 2017 2:41

Instrument :  
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 RLF-SW-4

Tgt Ion:244 Resp: 765884  
 Ion Ratio Lower Upper  
 244 100  
 212 6.9 5.4 8.0  
 122 13.5 11.0 16.4



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.41 min Scan# 2265  
 Delta R.T. 0.00 min  
 Lab File: BF100157.D  
 Acq: 4 Nov 2017 2:41

Tgt Ion:264 Resp: 166862  
 Ion Ratio Lower Upper  
 264 100  
 260 23.1 19.2 28.8  
 265 21.5 17.5 26.3

