

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF100617\  
 Data File : BF099144.D  
 Acq On : 6 Oct 2017 13:04  
 Operator : SJ/JU  
 Sample : I5616-04  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 STONE-SP-A-COMP

Quant Time: Oct 06 14:46:53 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

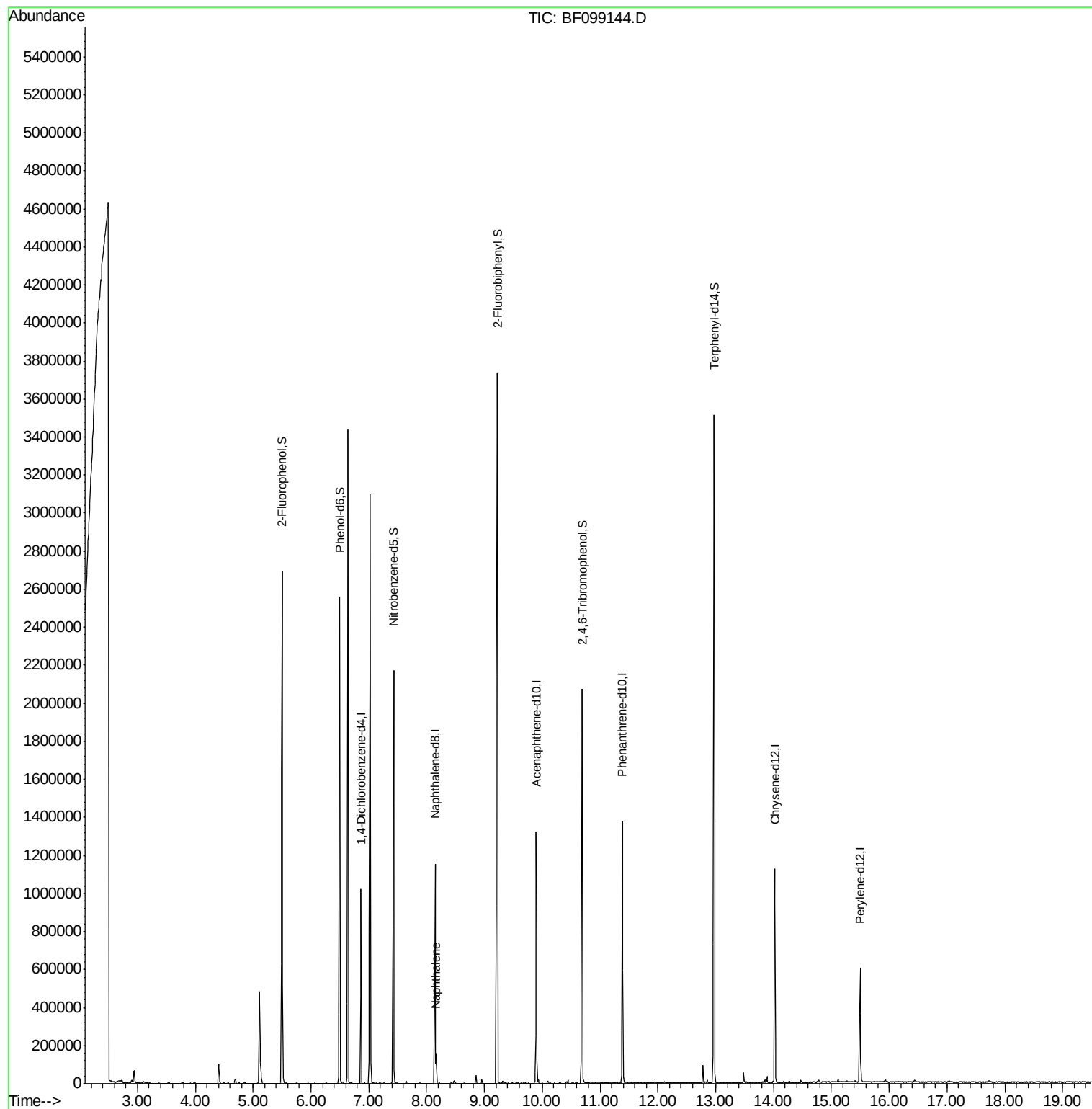
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)     |
|-----------------------------|-------|------|----------|--------|-------|--------------|
| 1) 1,4-Dichlorobenzene-d4   | 6.86  | 152  | 134902   | 20.00  | ng    | 0.00         |
| 21) Naphthalene-d8          | 8.15  | 136  | 558028   | 20.00  | ng    | 0.00         |
| 38) Acenaphthene-d10        | 9.90  | 164  | 251334   | 20.00  | ng    | 0.00         |
| 63) Phenanthrene-d10        | 11.39 | 188  | 458524   | 20.00  | ng    | 0.00         |
| 75) Chrysene-d12            | 14.02 | 240  | 366309   | 20.00  | ng    | -0.01        |
| 86) Perylene-d12            | 15.50 | 264  | 269913   | 20.00  | ng    | 0.00         |
| System Monitoring Compounds |       |      |          |        |       |              |
| 5) 2-Fluorophenol           | 5.50  | 112  | 909195   | 107.29 | ng    | 0.02         |
| 7) Phenol-d6                | 6.50  | 99   | 942144   | 90.12  | ng    | 0.00         |
| 23) Nitrobenzene-d5         | 7.43  | 82   | 792513   | 91.08  | ng    | 0.00         |
| 41) 2,4,6-Tribromophenol    | 10.69 | 330  | 282471   | 137.35 | ng    | 0.00         |
| 44) 2-Fluorobiphenyl        | 9.22  | 172  | 1413307  | 93.88  | ng    | 0.00         |
| 78) Terphenyl-d14           | 12.97 | 244  | 1290259  | 80.10  | ng    | 0.00         |
| Target Compounds            |       |      |          |        |       |              |
| 31) Naphthalene             | 8.16  | 128  | 63802    | 2.43   | ng    | Qvalue<br>99 |

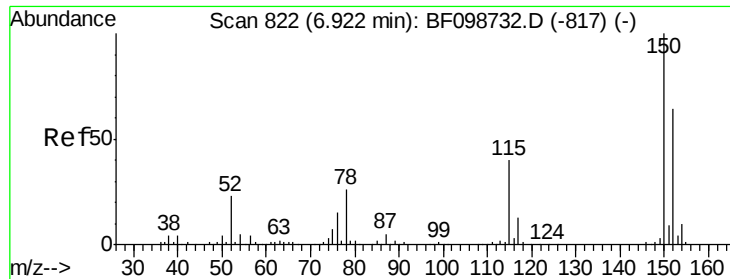
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.86 min Scan# 812

Delta R.T. -0.01 min

Lab File: BF099144.D

Acq: 6 Oct 2017 13:04

Instrument :

BNA\_F

ClientSampleId :

STONE-SP-A-COMP

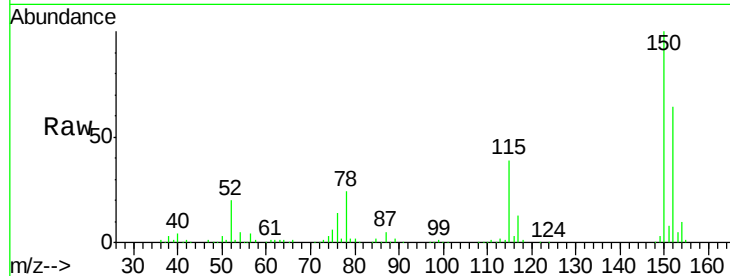
Tgt Ion:152 Resp: 134902

Ion Ratio Lower Upper

152 100

150 156.9 124.6 186.8

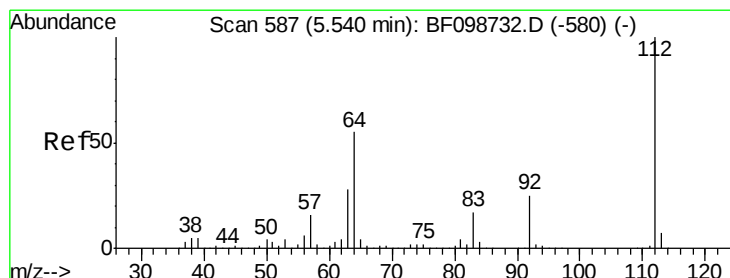
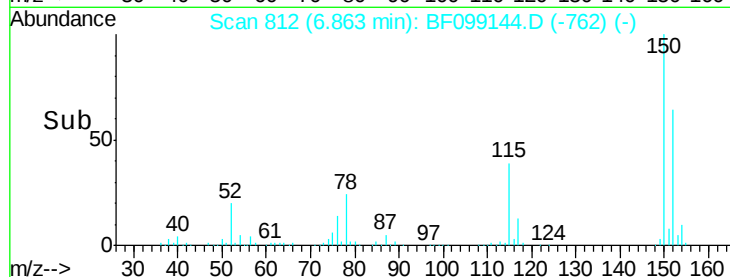
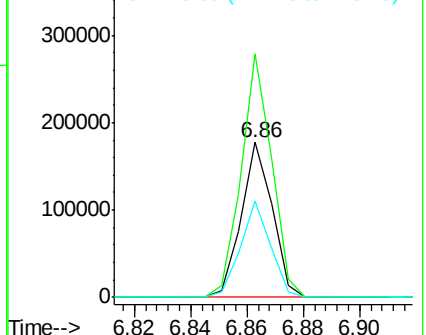
115 61.8 50.1 75.1



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: 107.29 ng

RT: 5.50 min Scan# 581

Delta R.T. 0.02 min

Lab File: BF099144.D

Acq: 6 Oct 2017 13:04

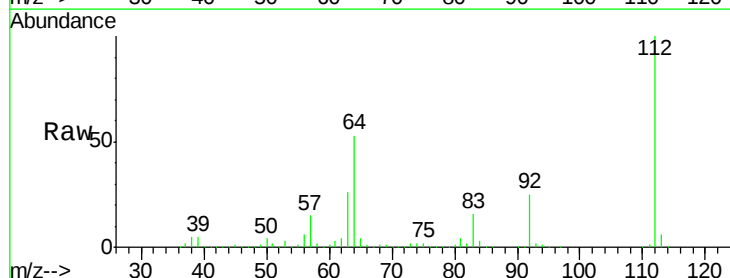
Tgt Ion:112 Resp: 909195

Ion Ratio Lower Upper

112 100

64 52.9 47.9 71.9

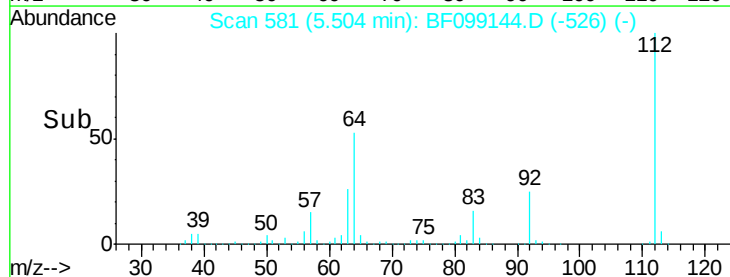
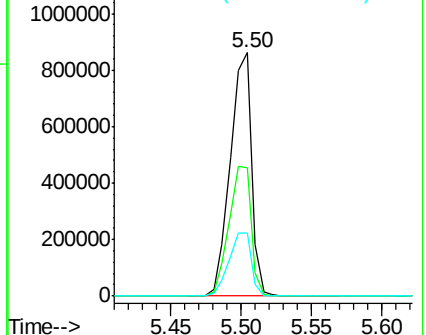
63 26.0 23.7 35.5

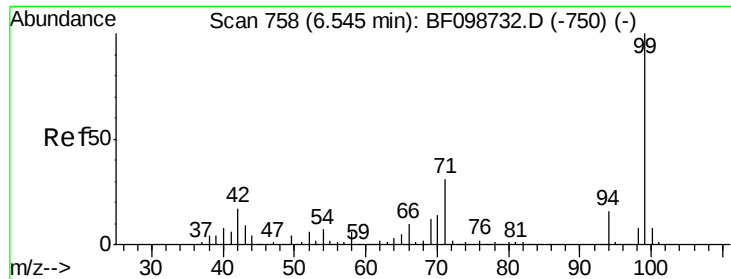


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 90.12 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.00 min

Lab File: BF099144.D

Acq: 6 Oct 2017 13:04

Instrument :

BNA\_F

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STONE-SP-A-COMP

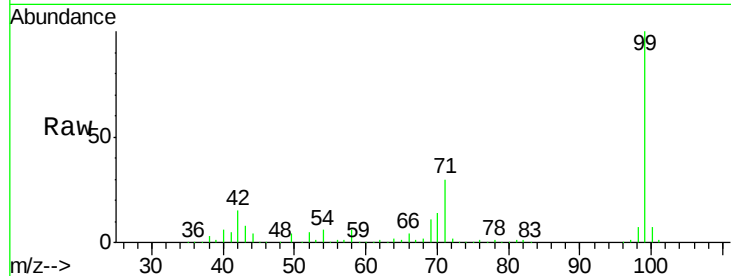
Tgt Ion: 99 Resp: 942144

Ion Ratio Lower Upper

99 100

42 15.3 14.5 21.7

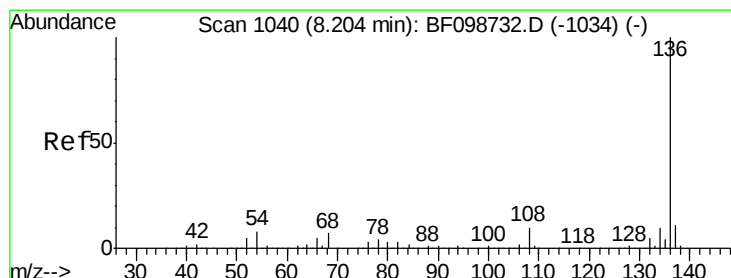
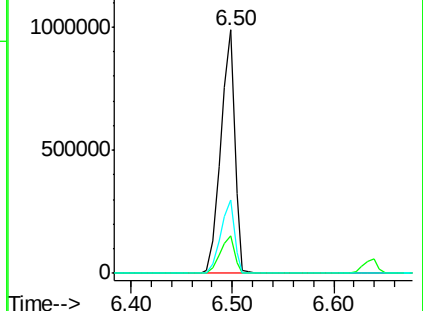
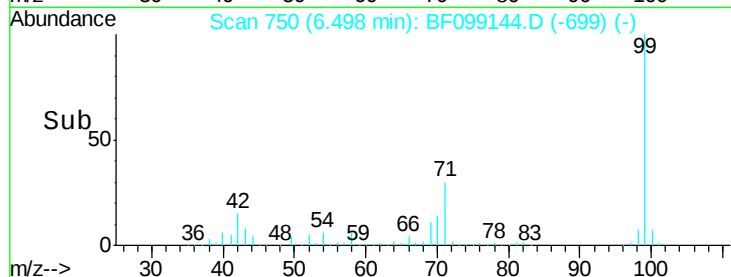
71 30.3 25.4 38.0



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: BF099144.D

Acq: 6 Oct 2017 13:04

Tgt Ion: 136 Resp: 558028

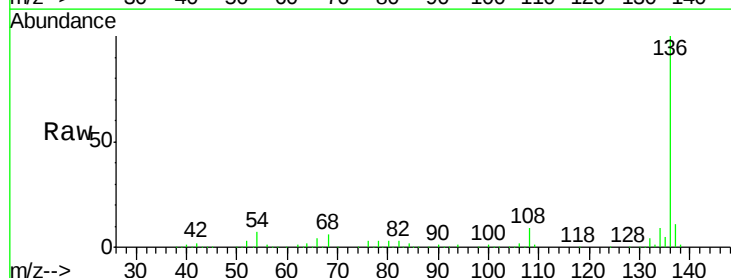
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 7.0 6.6 9.8

68 5.8 5.0 7.4

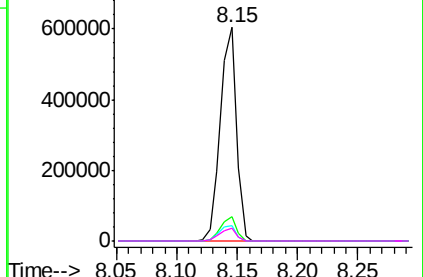
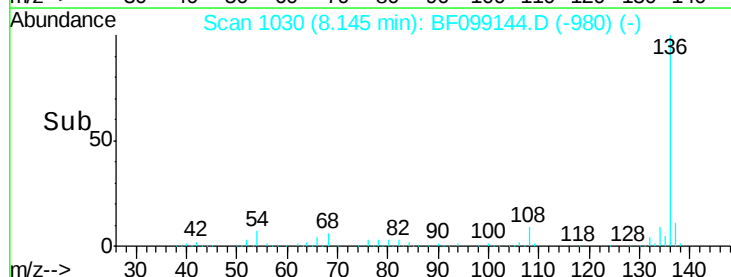


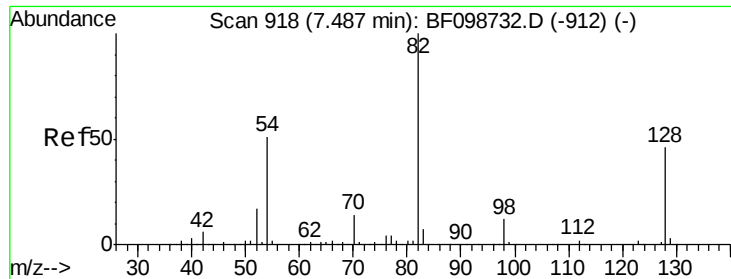
Abundance Ion 136.00 (135.70 to 136.70): E

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

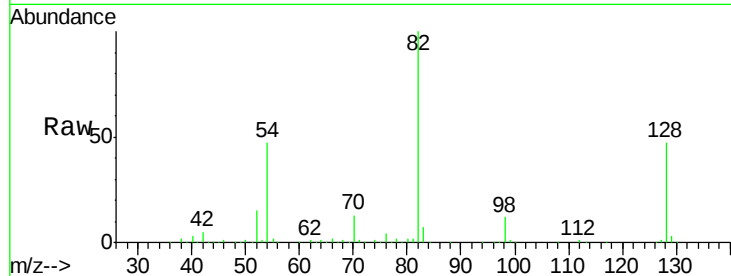




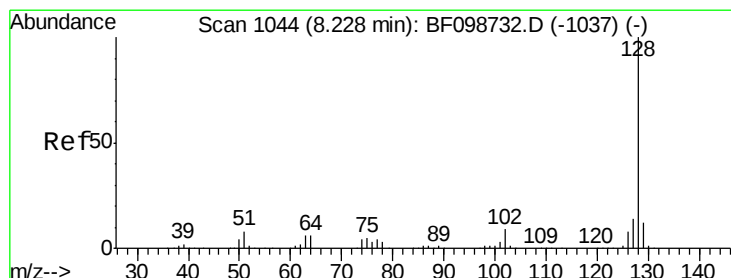
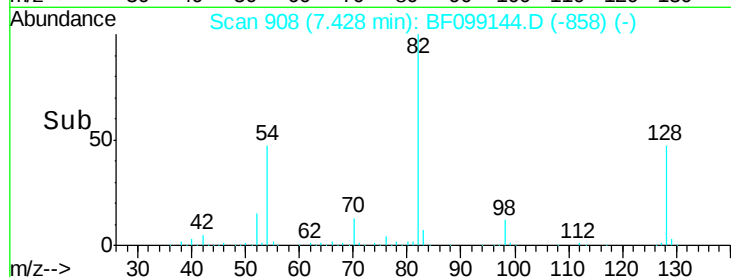
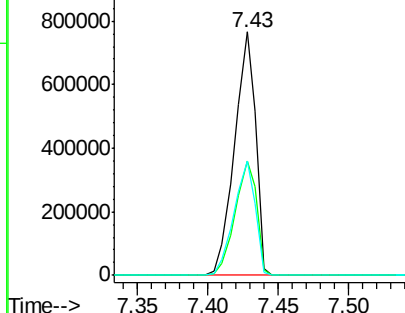
#23  
Nitrobenzene-d5  
Concen: 91.08 ng  
RT: 7.43 min Scan# 908  
Delta R.T. -0.01 min  
Lab File: BF099144.D  
Acq: 6 Oct 2017 13:04

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Tgt Ion: 82 Resp: 792513  
Ion Ratio Lower Upper  
82 100  
128 47.2 36.1 54.1  
54 47.1 41.4 62.2

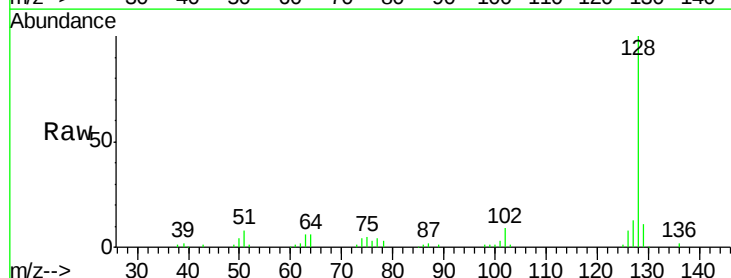


Abundance Ion 82.00 (81.70 to 82.70): BF0  
Ion 128.00 (127.70 to 128.70): E  
Ion 54.00 (53.70 to 54.70): BF0

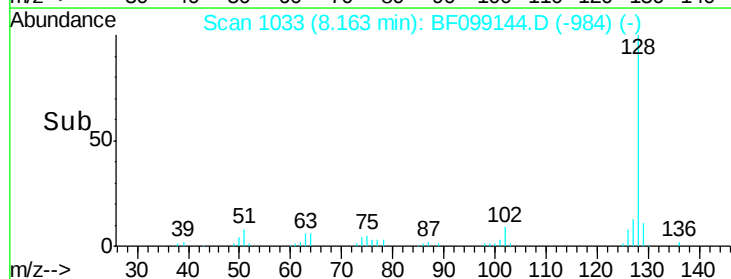
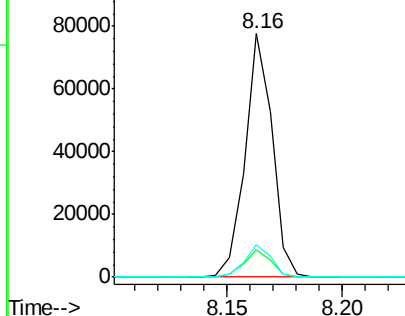


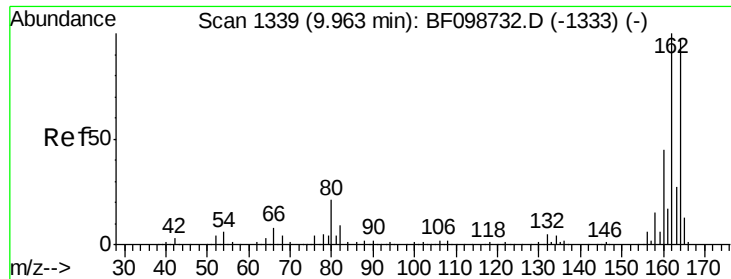
#31  
Naphthalene  
Concen: 2.43 ng  
RT: 8.16 min Scan# 1033  
Delta R.T. -0.01 min  
Lab File: BF099144.D  
Acq: 6 Oct 2017 13:04

Tgt Ion: 128 Resp: 63802  
Ion Ratio Lower Upper  
128 100  
129 11.1 8.8 13.2  
127 13.3 10.9 16.3



Abundance Ion 128.00 (127.70 to 128.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 127.00 (126.70 to 127.70): E

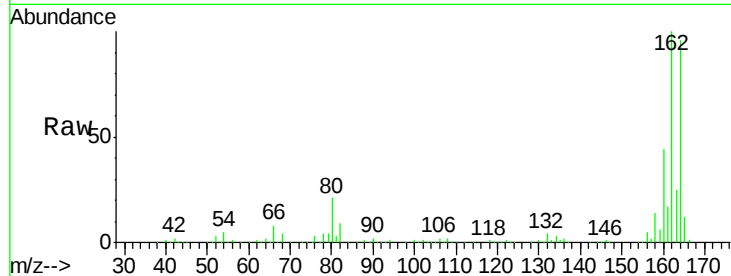




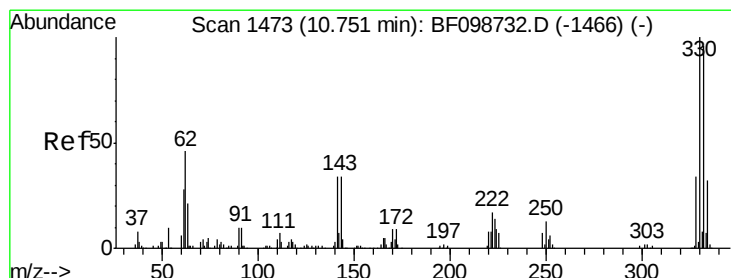
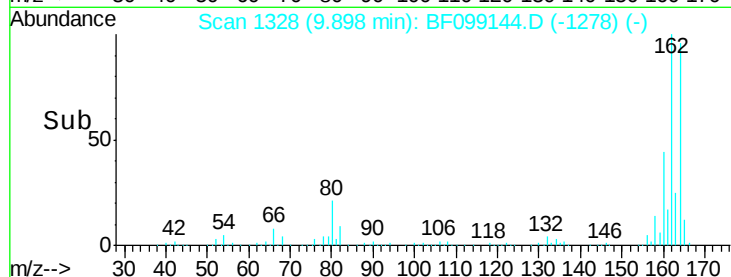
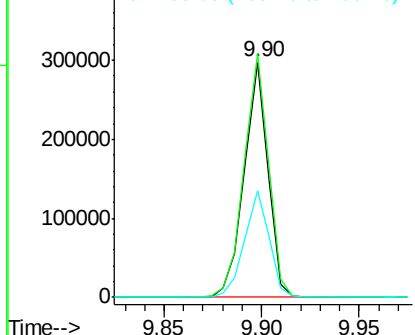
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.90 min Scan# 1328  
 Delta R.T. -0.01 min  
 Lab File: BF099144.D  
 Acq: 6 Oct 2017 13:04

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 STONE-SP-A-COMP

Tgt Ion:164 Resp: 251334  
 Ion Ratio Lower Upper  
 164 100  
 162 103.7 86.1 129.1  
 160 45.3 38.3 57.5

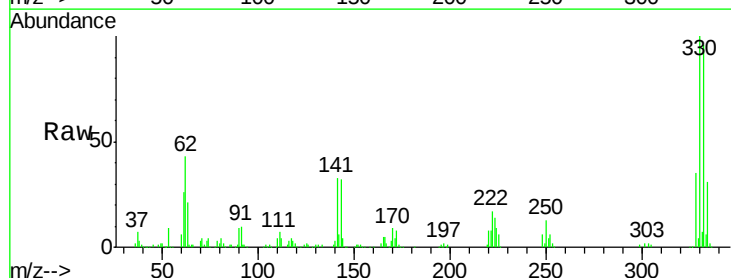


Abundance Ion 164.00 (163.70 to 164.70): E  
 Ion 162.00 (161.70 to 162.70): E  
 Ion 160.00 (159.70 to 160.70): E

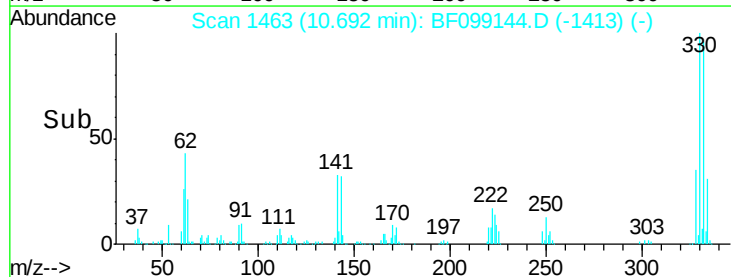
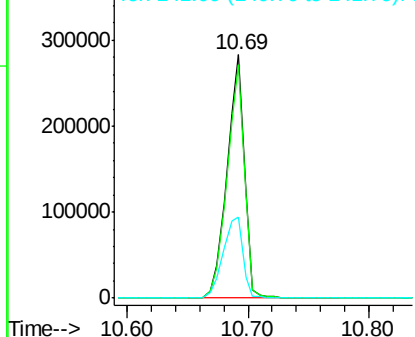


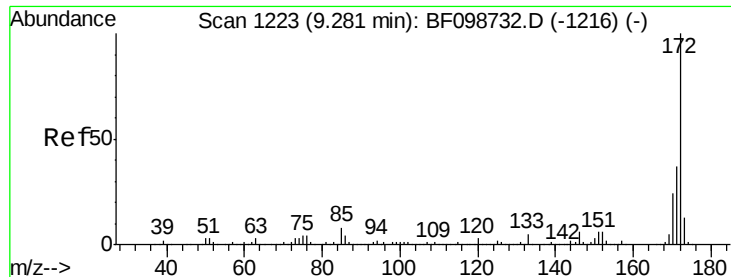
#41  
 2,4,6-Tribromophenol  
 Concen: 137.35 ng  
 RT: 10.69 min Scan# 1463  
 Delta R.T. -0.01 min  
 Lab File: BF099144.D  
 Acq: 6 Oct 2017 13:04

Tgt Ion:330 Resp: 282471  
 Ion Ratio Lower Upper  
 330 100  
 332 96.3 77.0 115.6  
 141 37.8 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

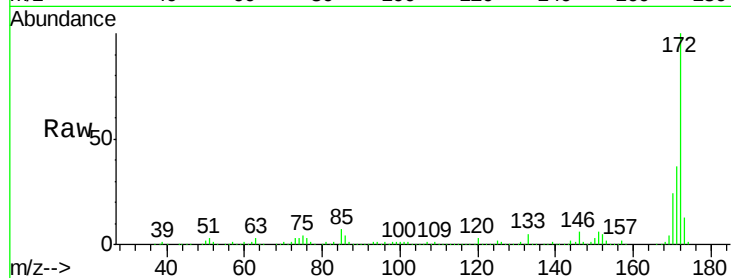




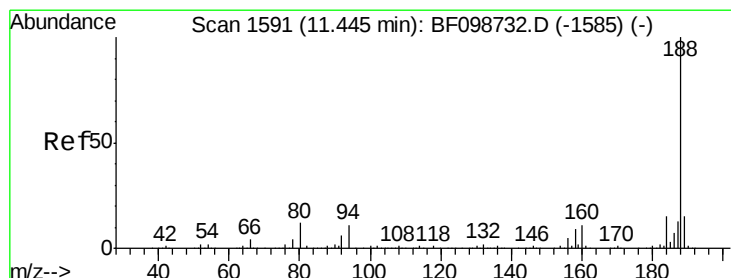
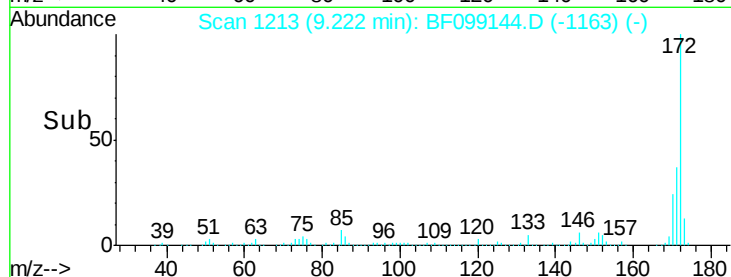
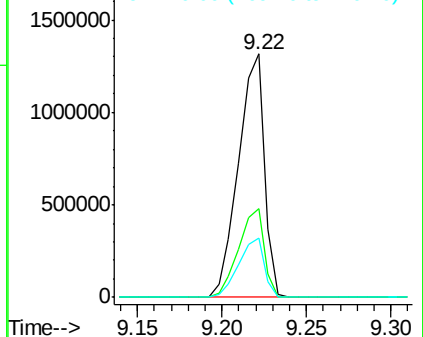
#44  
 2-Fluorobiphenyl  
 Concen: 93.88 ng  
 RT: 9.22 min Scan# 1213  
 Delta R.T. -0.01 min  
 Lab File: BF099144.D  
 Acq: 6 Oct 2017 13:04

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 STONE-SP-A-COMP

Tgt Ion:172 Resp: 1413307  
 Ion Ratio Lower Upper  
 172 100  
 171 36.7 29.7 44.5  
 170 24.4 19.6 29.4

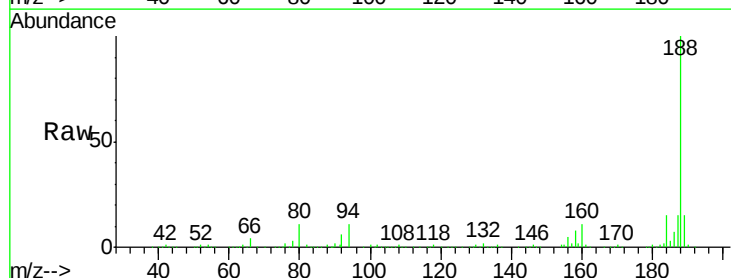


Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E

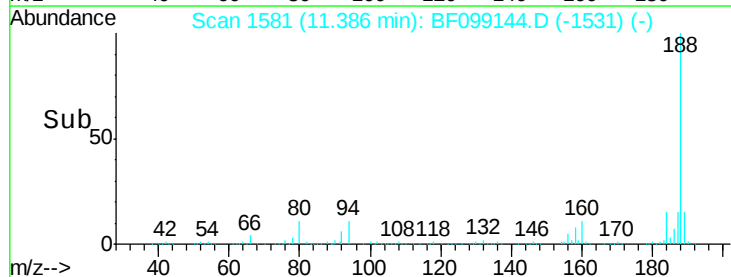
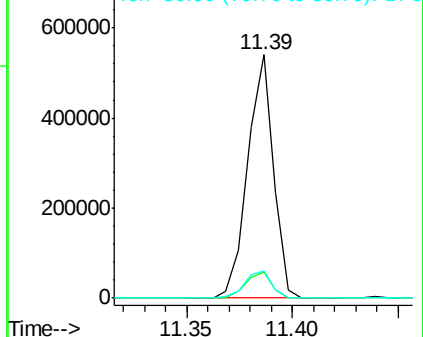


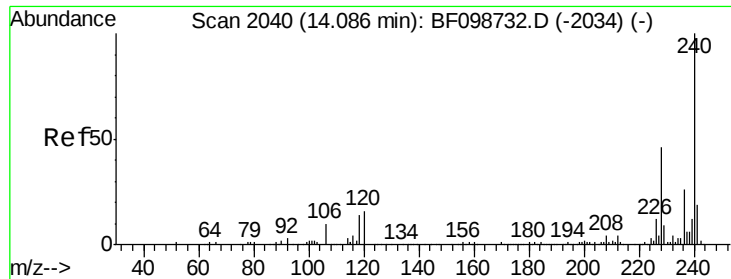
#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 11.39 min Scan# 1581  
 Delta R.T. -0.01 min  
 Lab File: BF099144.D  
 Acq: 6 Oct 2017 13:04

Tgt Ion:188 Resp: 458524  
 Ion Ratio Lower Upper  
 188 100  
 94 10.7 8.5 12.7  
 80 11.1 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

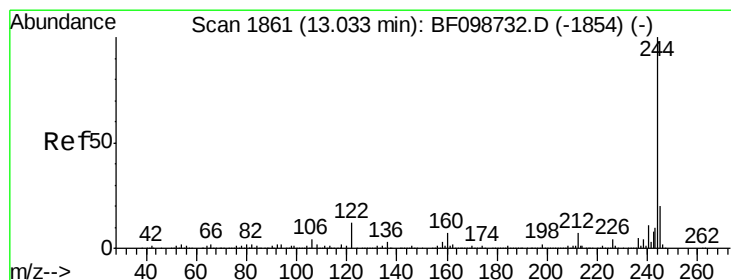
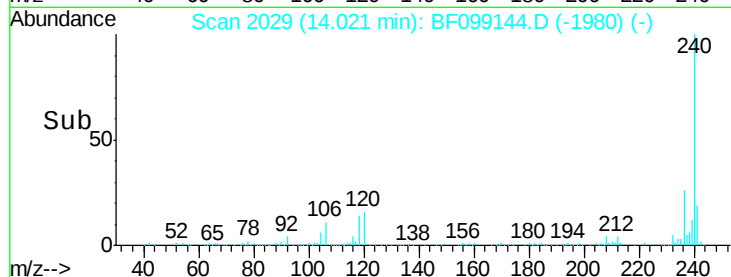
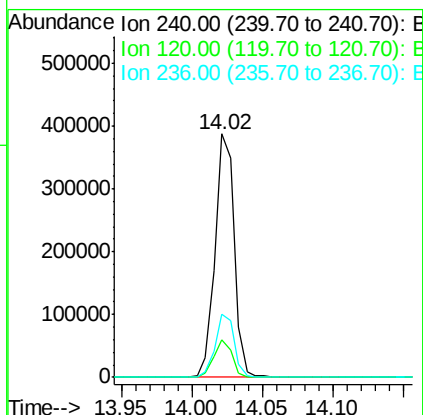
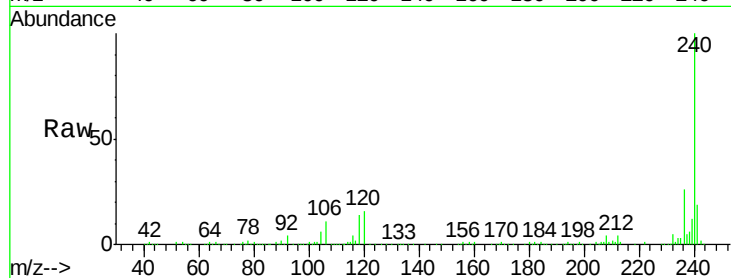




#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 14.02 min Scan# 2029  
Delta R.T. -0.01 min  
Lab File: BF099144.D  
Acq: 6 Oct 2017 13:04

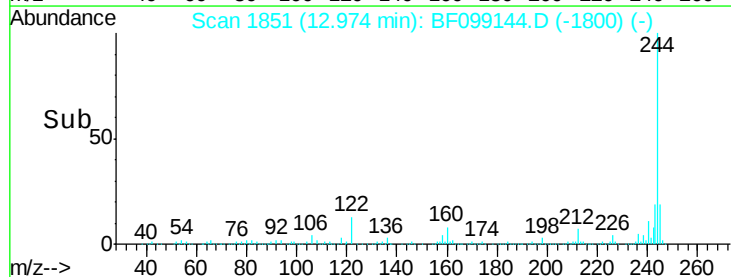
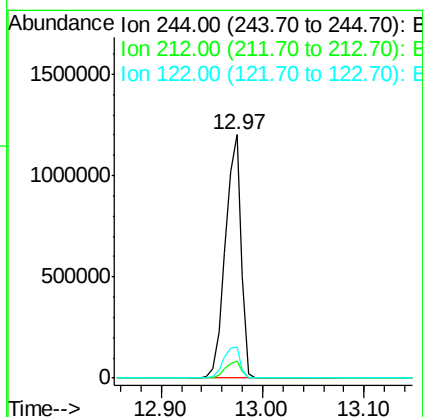
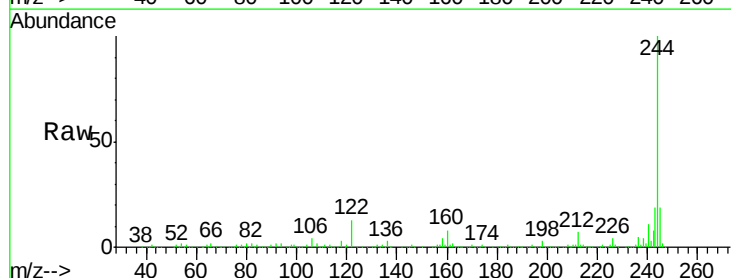
Instrument :  
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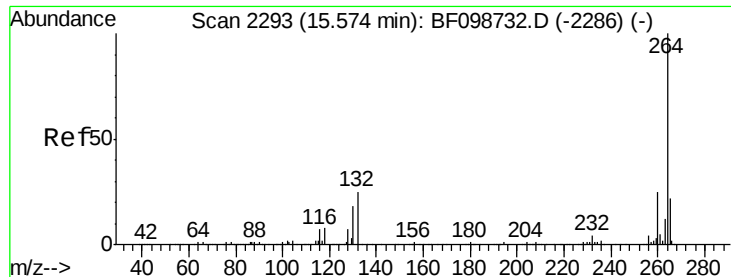
Tgt Ion:240 Resp: 366309  
Ion Ratio Lower Upper  
240 100  
120 15.6 9.5 14.3#  
236 25.9 20.7 31.1



#78  
Terphenyl-d14  
Concen: 80.10 ng  
RT: 12.97 min Scan# 1851  
Delta R.T. -0.00 min  
Lab File: BF099144.D  
Acq: 6 Oct 2017 13:04

Tgt Ion:244 Resp: 1290259  
Ion Ratio Lower Upper  
244 100  
212 7.2 5.4 8.0  
122 12.9 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: BF099144.D  
Acq: 6 Oct 2017 13:04

Instrument :  
BNA\_F  
ClientSampleId :  
STONE-SP-A-COMP

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.7  | 19.2  | 28.8  |
| 265     | 21.2  | 17.5  | 26.3  |

