

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF090617\  
 Data File : BF098295.D  
 Acq On : 7 Sep 2017 1:47  
 Operator : SJ/JU  
 Sample : I5052-11 5X  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 G27A-0-1.5

Quant Time: Sep 07 07:13:08 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Sep 05 17:28:20 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.70  | 152  | 104983   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8          | 7.98  | 136  | 390042   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10        | 9.73  | 164  | 148972   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.22 | 188  | 250566   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12            | 13.84 | 240  | 234547   | 20.00 | ng    | -0.02    |
| 86) Perylene-d12            | 15.26 | 264  | 160843   | 20.00 | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.30  | 112  | 137086   | 19.86 | ng    | 0.00     |
| 7) Phenol-d6                | 6.33  | 99   | 179389   | 19.13 | ng    | -0.02    |
| 23) Nitrobenzene-d5         | 7.26  | 82   | 98628    | 13.74 | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol    | 10.52 | 330  | 20129    | 15.57 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 9.06  | 172  | 160456   | 15.82 | ng    | -0.01    |
| 78) Terphenyl-d14           | 12.79 | 244  | 118525   | 10.54 | ng    | -0.02    |

Target Compounds Qvalue

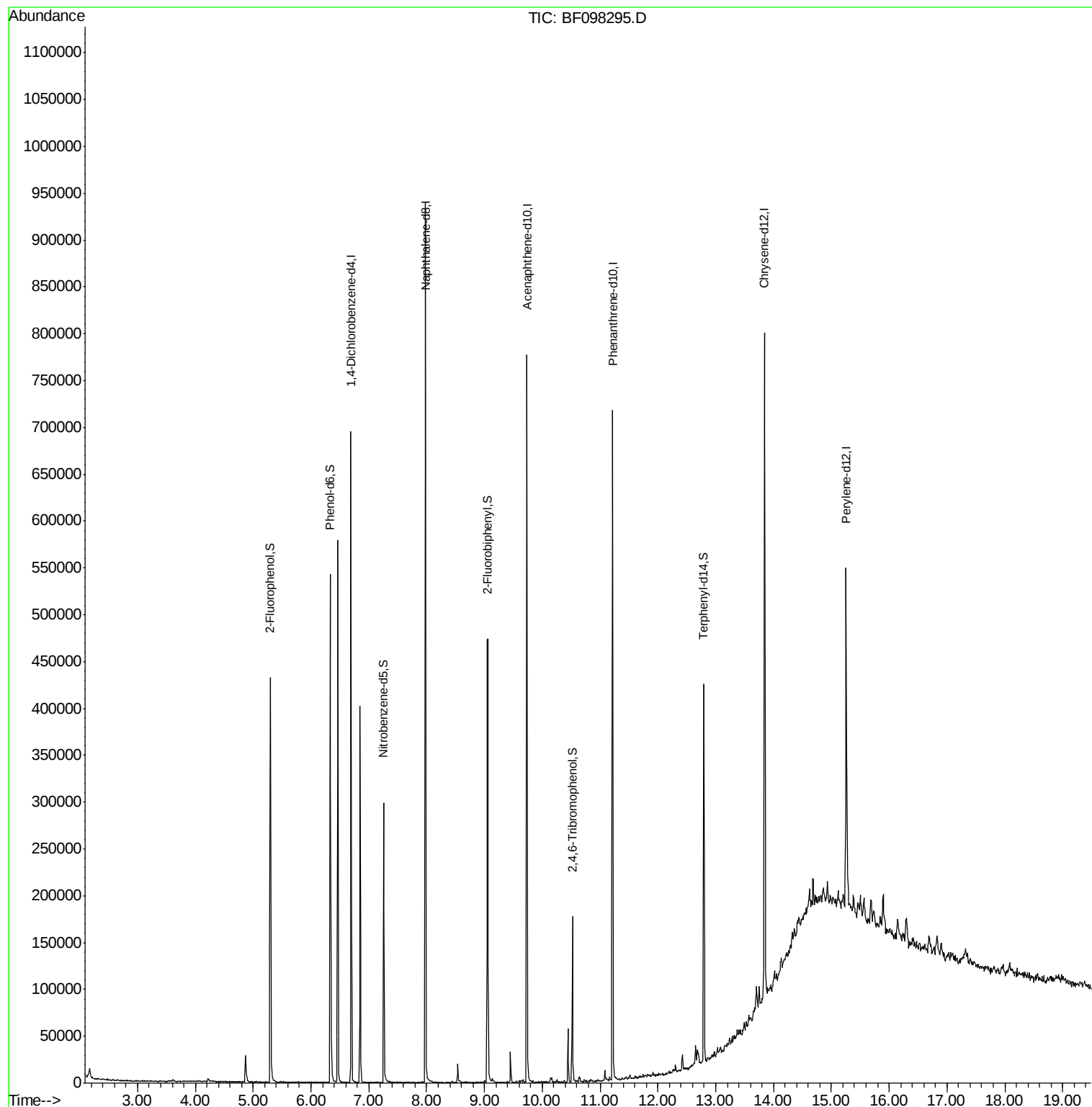
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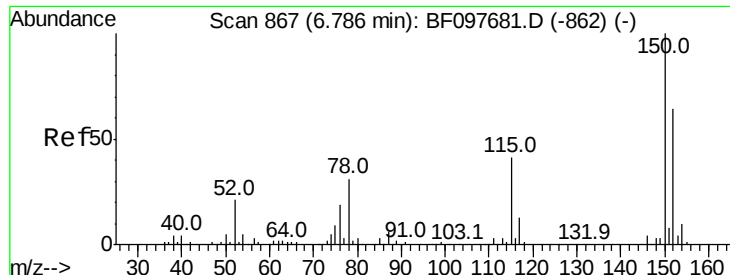
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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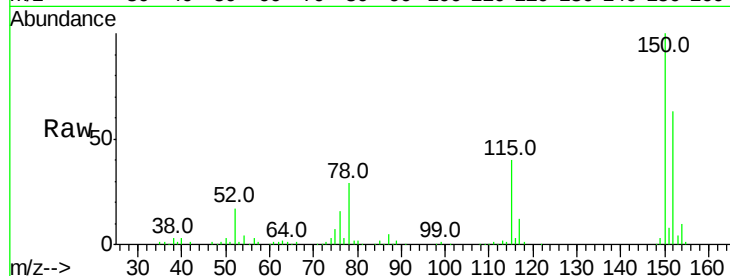


#1

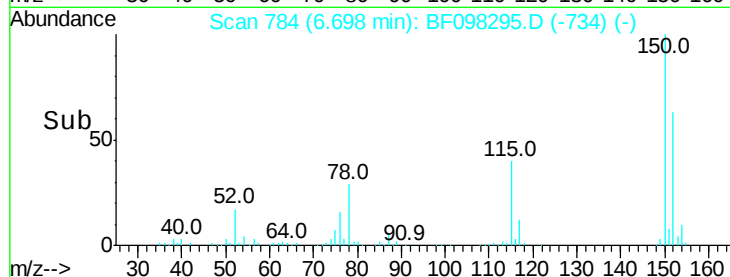
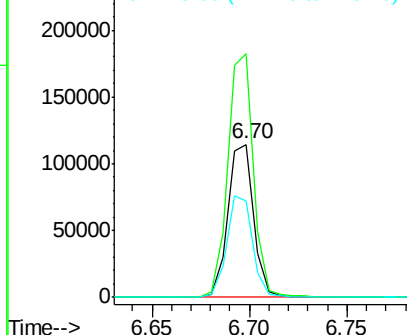
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.70 min Scan# 784  
Delta R.T. -0.01 min  
Lab File: BF098295.D  
Acq: 7 Sep 2017 1:47

Instrument :  
BNA\_F  
ClientSampleId :  
G27A-0-1.5

Tot Ion:152 Resp: 104983  
Ion Ratio Lower Upper  
152 100  
150 159.1 126.2 189.2  
115 63.1 52.2 78.2



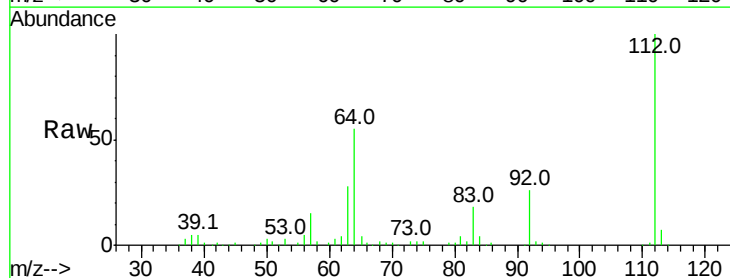
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



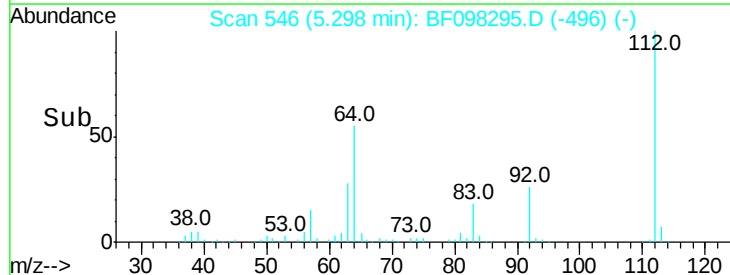
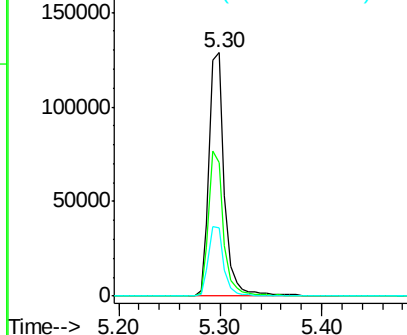
#5

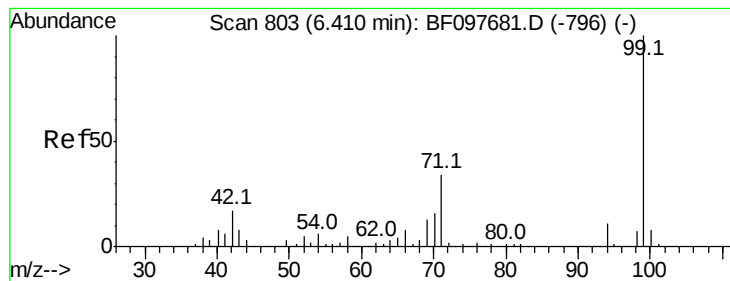
2-Fluorophenol  
Concen: 19.862 ng  
RT: 5.30 min Scan# 546  
Delta R.T. -0.01 min  
Lab File: BF098295.D  
Acq: 7 Sep 2017 1:47

Tgt Ion:112 Resp: 137086  
Ion Ratio Lower Upper  
112 100  
64 54.8 46.0 69.0  
63 27.9 23.4 35.0



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: 19.129 ng

RT: 6.33 min Scan# 722

Delta R.T. -0.02 min

Lab File: BF098295.D

Acq: 7 Sep 2017 1:47

Instrument :

BNA\_F

ClientSampleId :

G27A-0-1.5

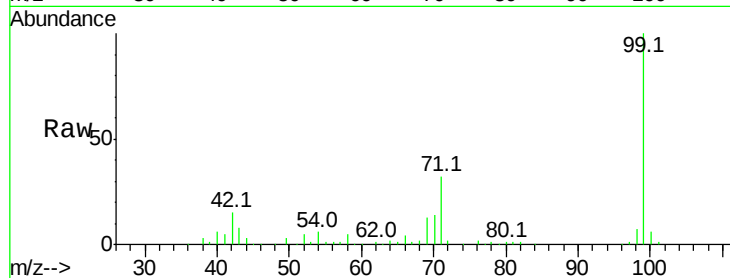
Tot Ion: 99 Resp: 179389

Ion Ratio Lower Upper

99 100

42 15.5 13.5 20.3

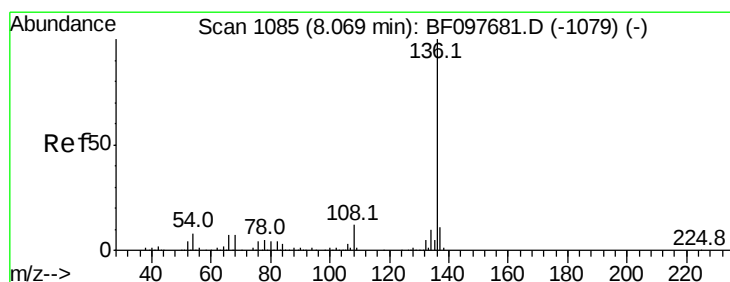
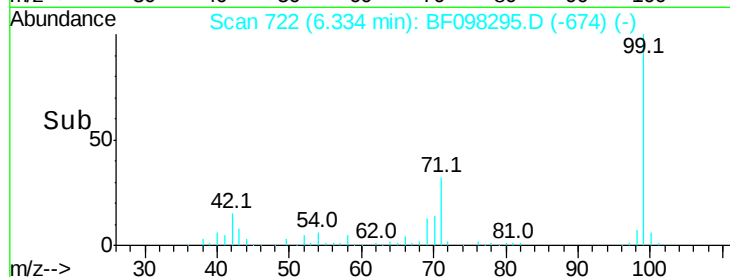
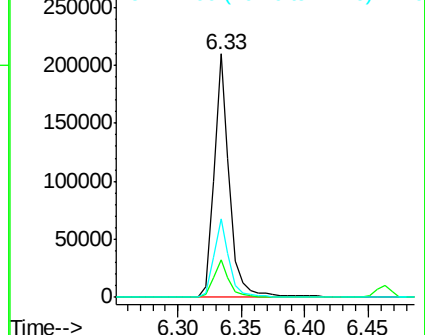
71 32.2 24.5 36.7



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: 20.000 ng

RT: 7.98 min Scan# 1002

Delta R.T. -0.01 min

Lab File: BF098295.D

Acq: 7 Sep 2017 1:47

Tgt Ion: 136 Resp: 390042

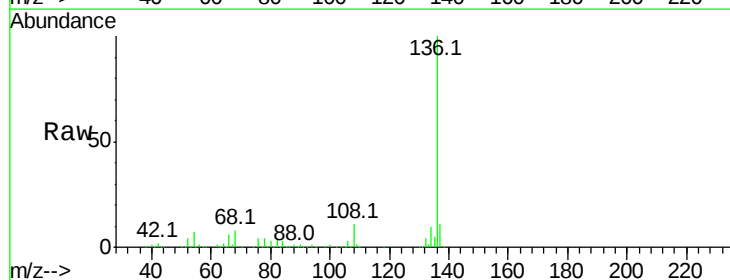
Ion Ratio Lower Upper

136 100

137 10.9 8.5 12.7

54 6.8 4.9 7.3

68 7.5 4.1 6.1#

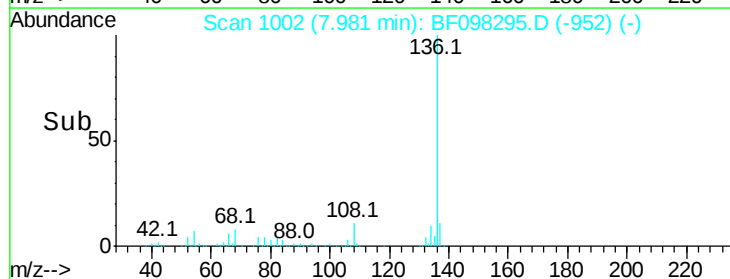
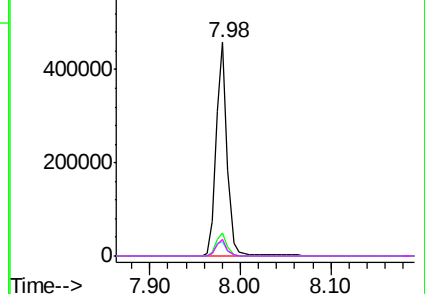


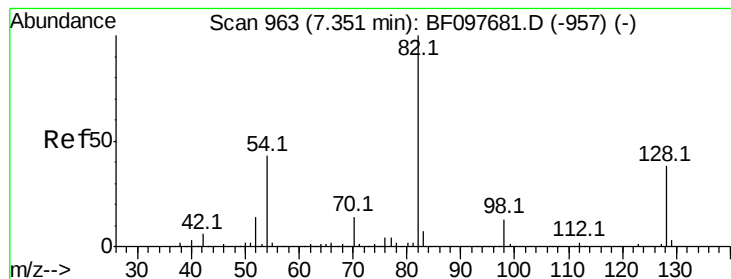
Abundance Ion 136.00 (135.70 to 136.70): E

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: 13.737 ng

RT: 7.26 min Scan# 879

Delta R.T. -0.02 min

Lab File: BF098295.D

Acq: 7 Sep 2017 1:47

Instrument :

BNA\_F

ClientSampleId :

G27A-0-1.5

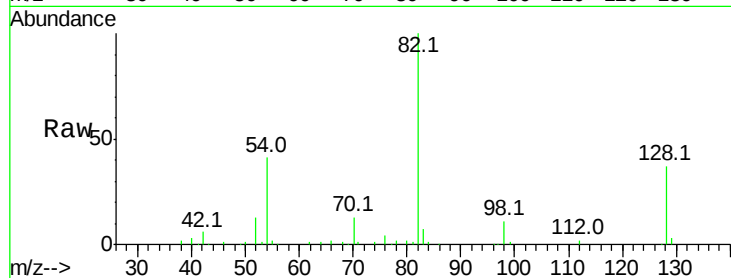
Tot Ion: 82 Resp: 98628

Ion Ratio Lower Upper

82 100

128 36.8 34.0 51.0

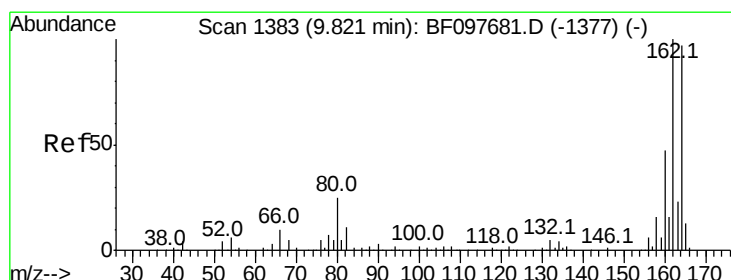
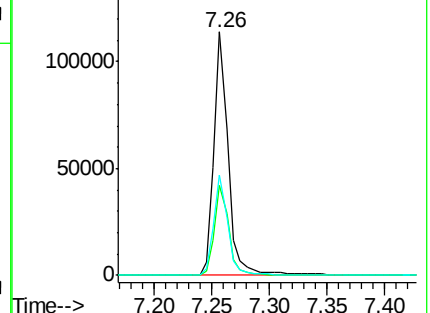
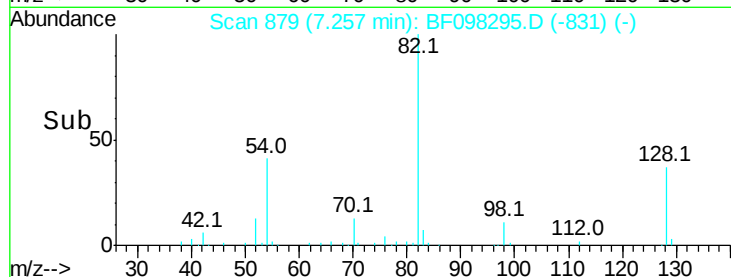
54 41.0 42.2 63.2#



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: 20.000 ng

RT: 9.73 min Scan# 1300

Delta R.T. -0.01 min

Lab File: BF098295.D

Acq: 7 Sep 2017 1:47

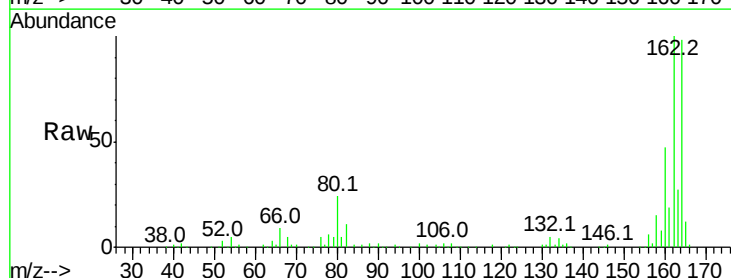
Tgt Ion:164 Resp: 148972

Ion Ratio Lower Upper

164 100

162 102.3 82.6 123.8

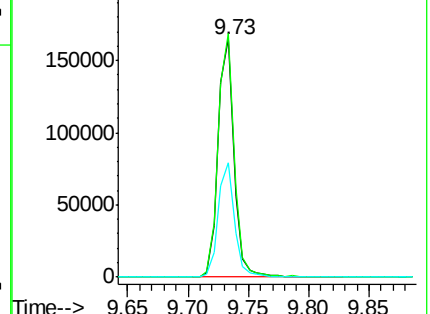
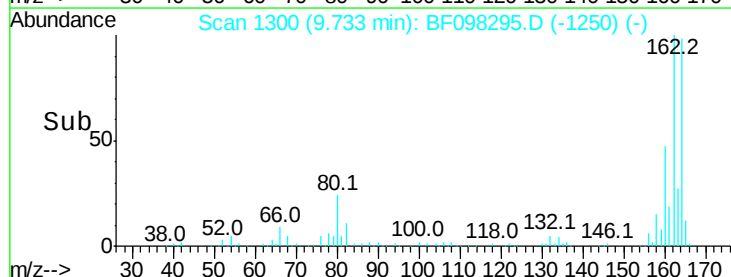
160 48.0 36.2 54.2

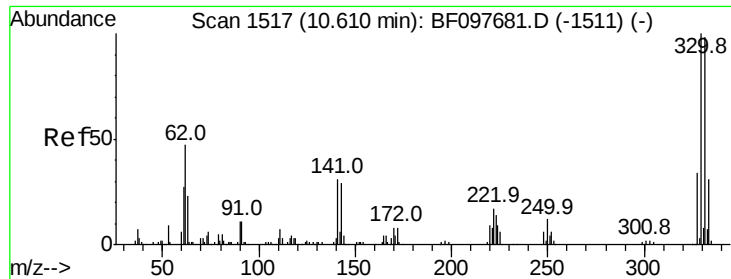


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

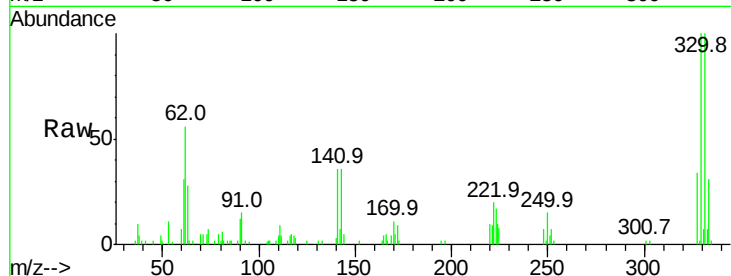




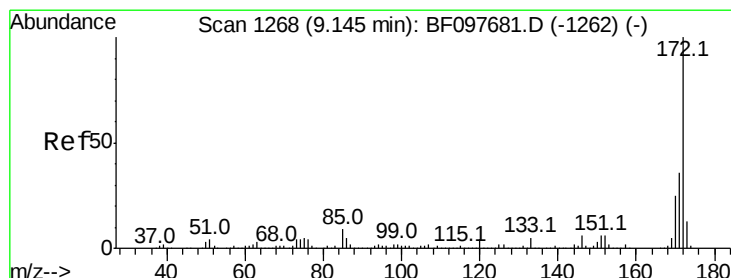
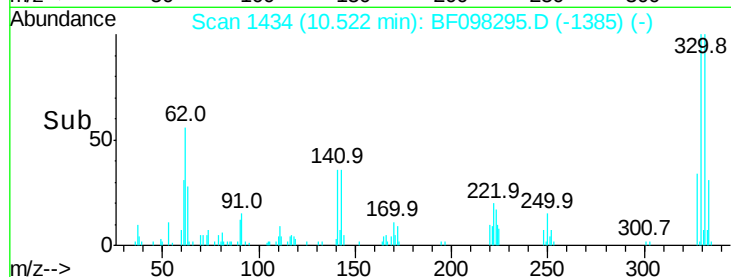
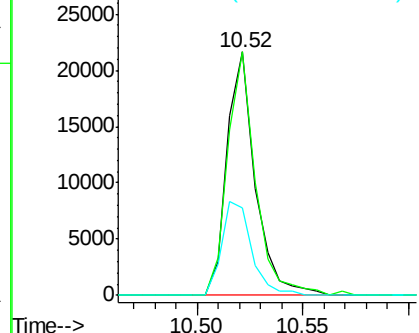
#41  
 2,4,6-Tribromophenol  
 Concen: 15.573 ng  
 RT: 10.52 min Scan# 1434  
 Delta R.T. -0.01 min  
 Lab File: BF098295.D  
 Acq: 7 Sep 2017 1:47

Instrument :  
 BNA\_F  
 ClientSampleId :  
 G27A-0-1.5

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 99.1  | 76.6  | 115.0 |
| 141     | 41.0  | 31.4  | 47.2  |

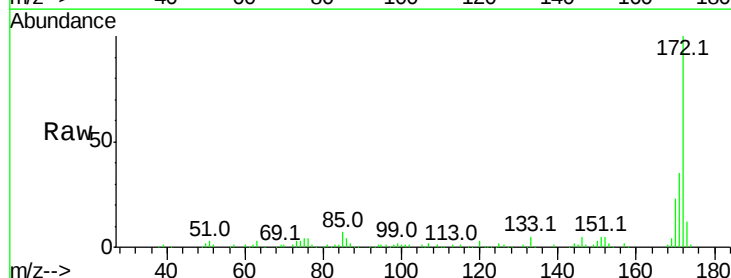


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

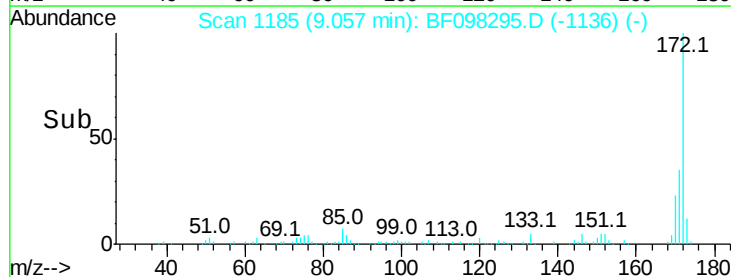
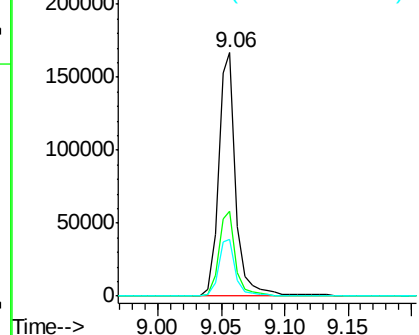


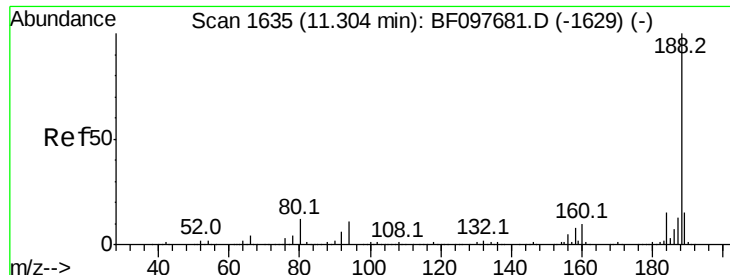
#44  
 2-Fluorobiphenyl  
 Concen: 15.825 ng  
 RT: 9.06 min Scan# 1185  
 Delta R.T. -0.01 min  
 Lab File: BF098295.D  
 Acq: 7 Sep 2017 1:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 34.8  | 29.6  | 44.4  |
| 170     | 23.4  | 19.8  | 29.8  |



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

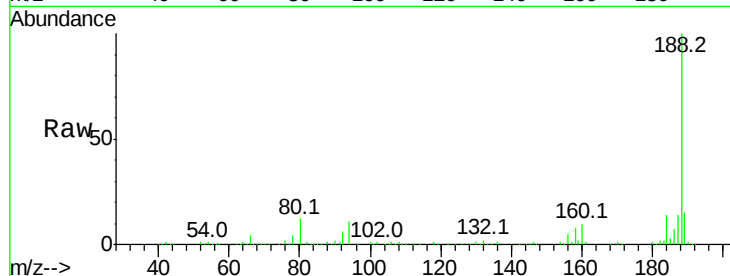




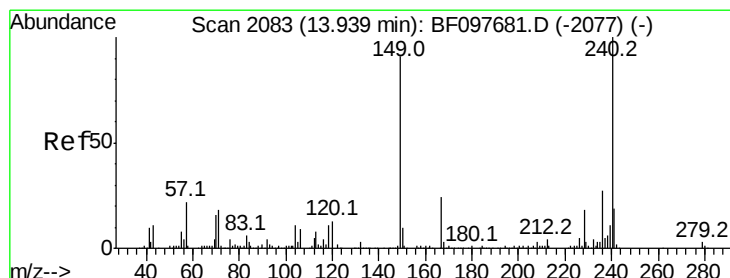
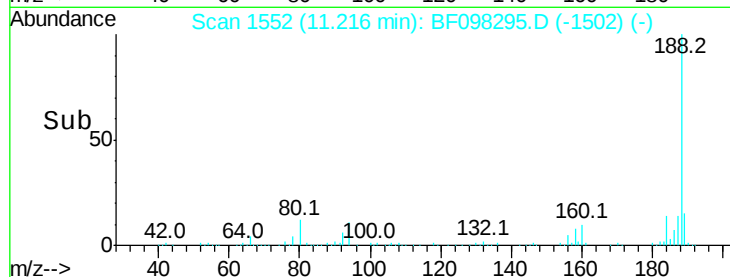
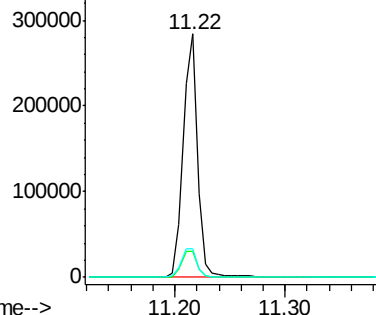
#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.22 min Scan# 1552  
Delta R.T. -0.01 min  
Lab File: BF098295.D  
Acq: 7 Sep 2017 1:47

Instrument :  
BNA\_F  
ClientSampleId :  
G27A-0-1.5

Tot Ion:188 Resp: 250566  
Ion Ratio Lower Upper  
188 100  
94 10.7 9.4 14.2  
80 11.8 10.2 15.2

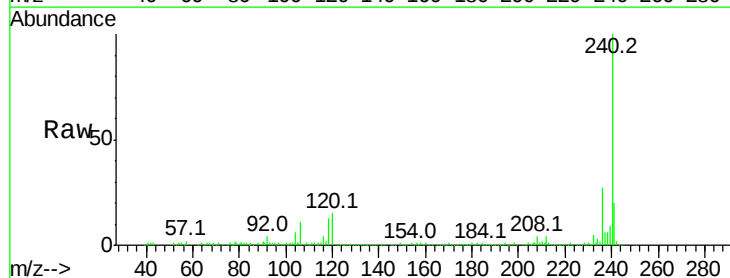


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

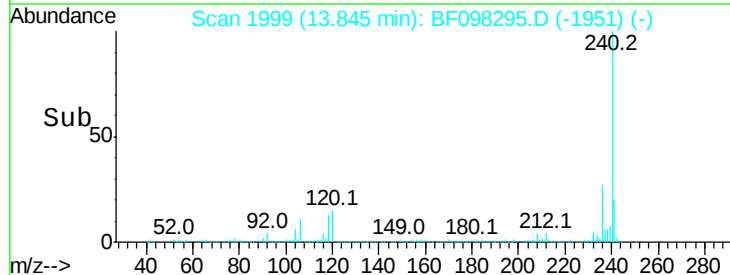
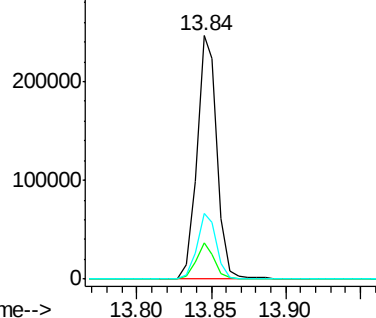


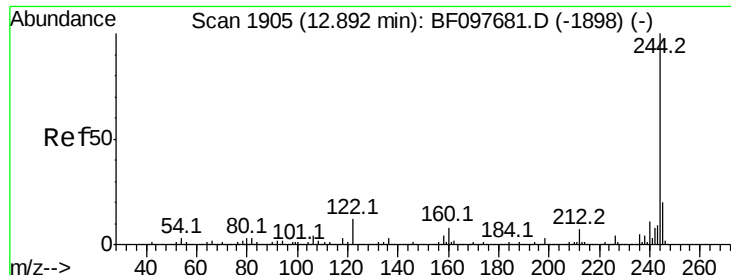
#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.84 min Scan# 1999  
Delta R.T. -0.02 min  
Lab File: BF098295.D  
Acq: 7 Sep 2017 1:47

Tgt Ion:240 Resp: 234547  
Ion Ratio Lower Upper  
240 100  
120 15.1 5.8 8.8#  
236 26.8 20.5 30.7



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: 10.538 ng

RT: 12.79 min Scan# 1820

Delta R.T. -0.02 min

Lab File: BF098295.D

Acq: 7 Sep 2017 1:47

Instrument :

BNA\_F

ClientSampleId :

G27A-0-1.5

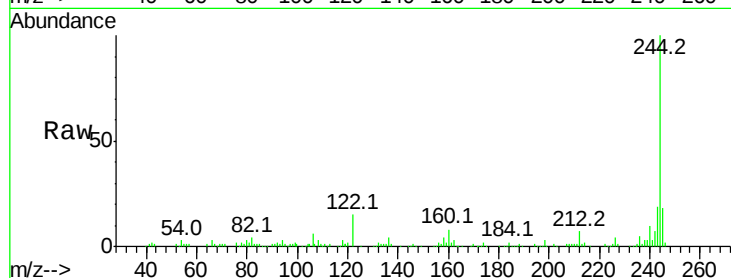
Tot Ion:244 Resp: 118525

Ion Ratio Lower Upper

244 100

212 7.1 6.0 9.0

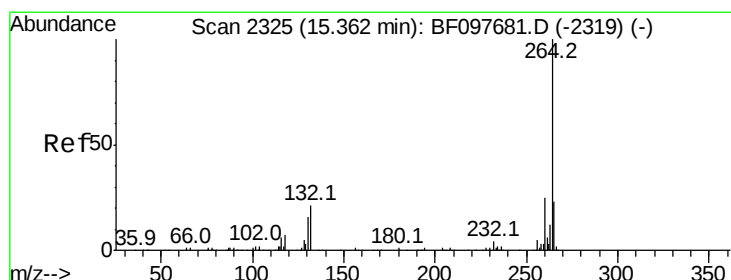
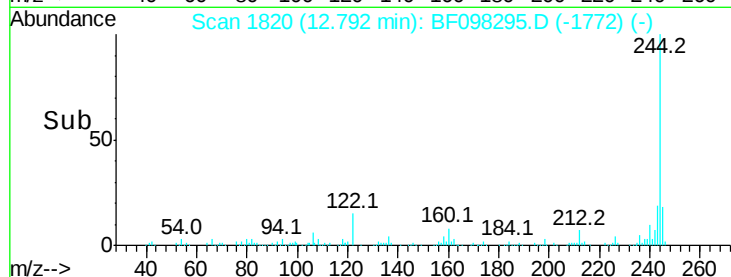
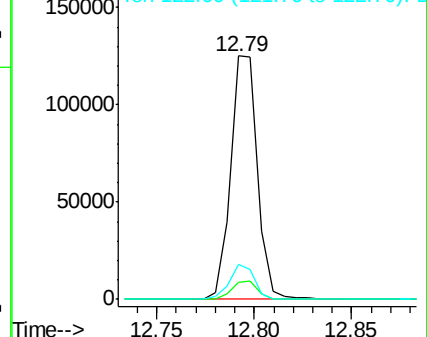
122 14.6 10.3 15.5



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: 15.26 min Scan# 2239

Delta R.T. -0.01 min

Lab File: BF098295.D

Acq: 7 Sep 2017 1:47

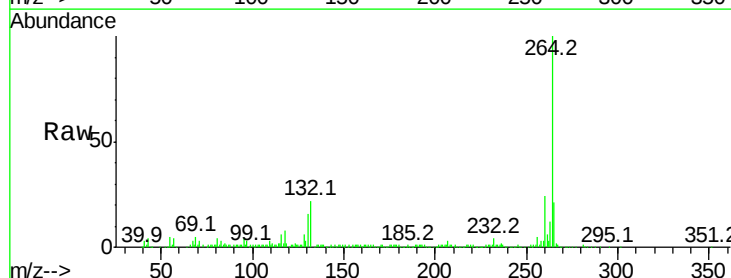
Tgt Ion:264 Resp: 160843

Ion Ratio Lower Upper

264 100

260 23.7 19.5 29.3

265 20.8 17.2 25.8



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

