

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF070317\  
 Data File : BF096435.D  
 Acq On : 3 Jul 2017 12:28  
 Operator : SJ/MA  
 Sample : I3908-01  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 G-55-0-1.5

Quant Time: Jul 03 16:34:00 2017  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF070117.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jul 03 01:43:12 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.72  | 152  | 138393   | 20.00 | ng    | -0.01    |
| 21) Naphthalene-d8          | 8.00  | 136  | 580989   | 20.00 | ng    | -0.02    |
| 38) Acenaphthene-d10        | 9.76  | 164  | 250948   | 20.00 | ng    | -0.01    |
| 63) Phenanthrene-d10        | 11.23 | 188  | 421949   | 20.00 | ng    | -0.02    |
| 75) Chrysene-d12            | 13.86 | 240  | 252699   | 20.00 | ng    | -0.02    |
| 86) Perylene-d12            | 15.27 | 264  | 233379   | 20.00 | ng    | -0.01    |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.32  | 112  | 37701    | 4.02  | ng    | -0.02    |
| 7) Phenol-d6                | 6.35  | 99   | 49722    | 4.31  | ng    | -0.03    |
| 23) Nitrobenzene-d5         | 7.27  | 82   | 26327    | 2.72  | ng    | -0.03    |
| 41) 2,4,6-Tribromophenol    | 10.54 | 330  | 8227     | 4.20  | ng    | -0.02    |
| 44) 2-Fluorobiphenyl        | 9.08  | 172  | 55754    | 3.80  | ng    | -0.02    |
| 78) Terphenyl-d14           | 12.82 | 244  | 34006    | 2.88  | ng    | -0.02    |

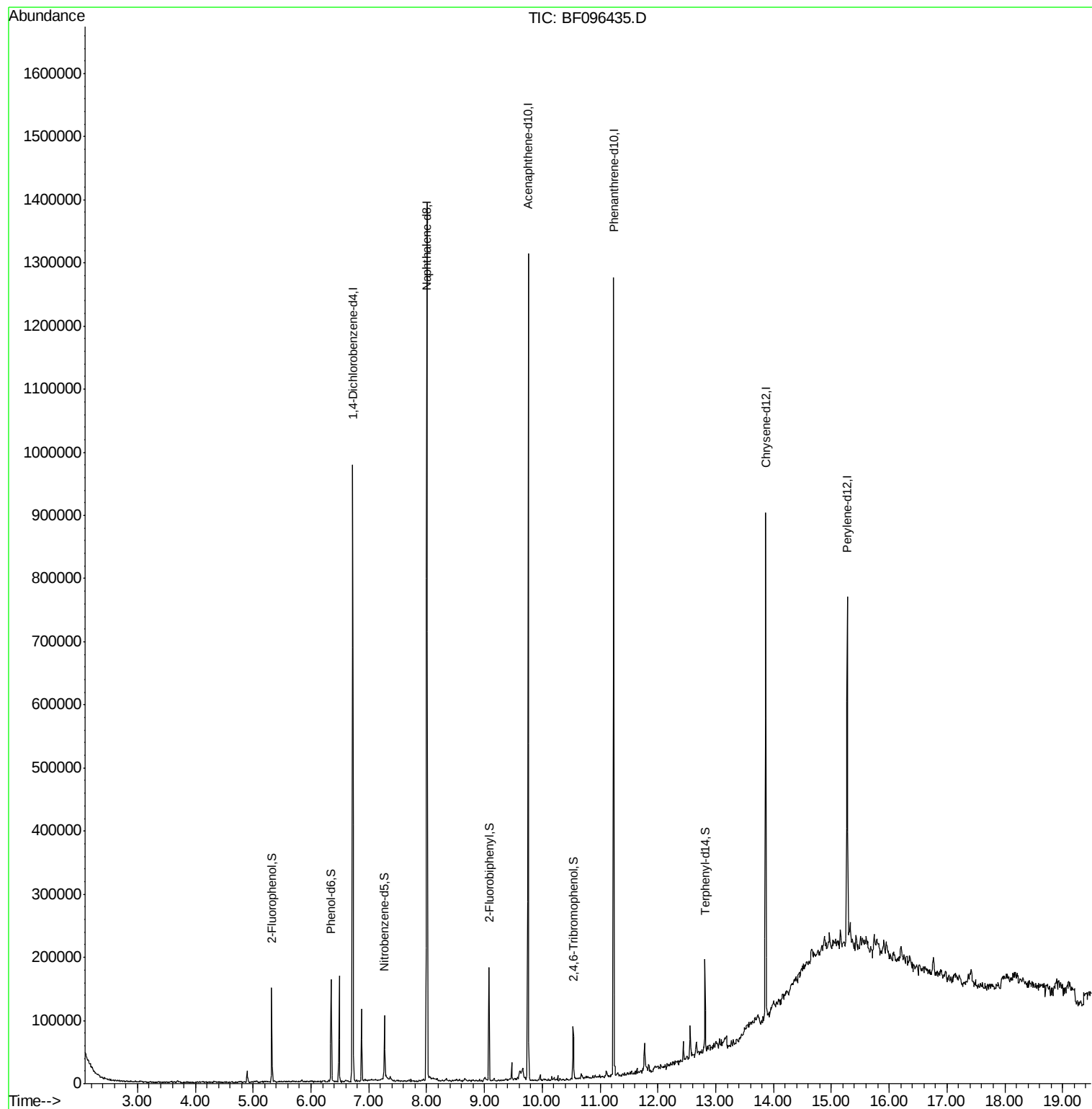
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

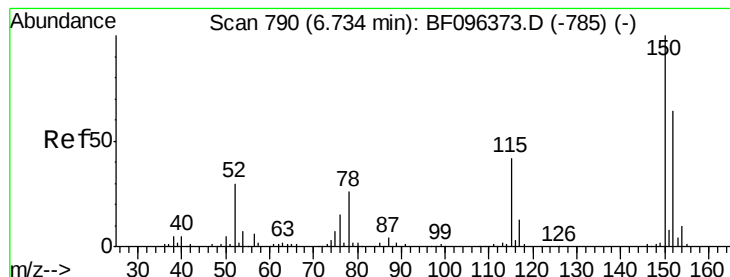
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

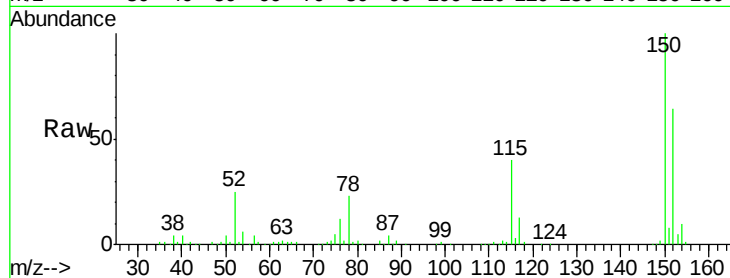




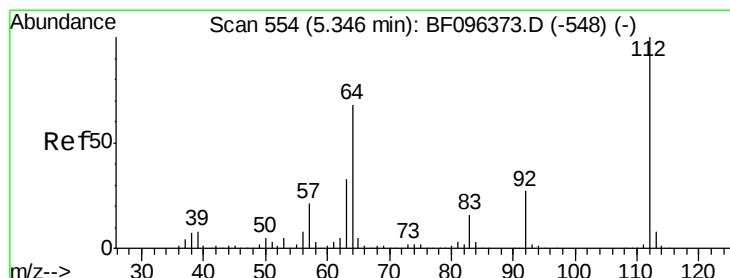
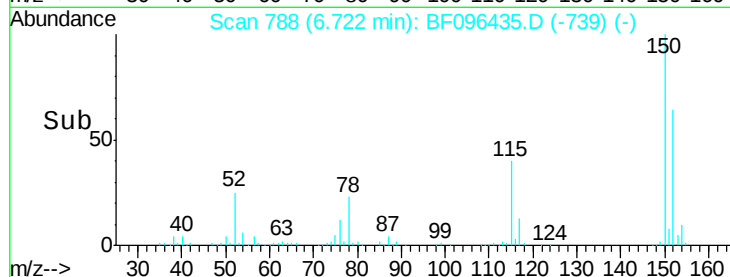
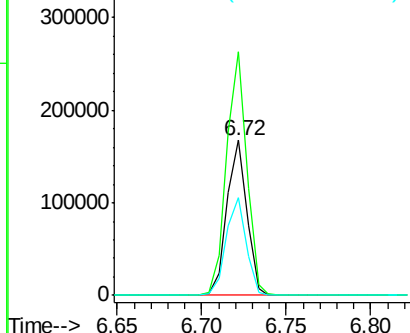
#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.72 min Scan# 788  
 Delta R.T. -0.01 min  
 Lab File: BF096435.D  
 Acq: 3 Jul 2017 12:28

Instrument :  
 BNA\_F  
 ClientSampleId :  
 G-55-0-1.5

Tgt Ion:152 Resp: 138393  
 Ion Ratio Lower Upper  
 152 100  
 150 157.3 126.2 189.2  
 115 62.9 52.2 78.2

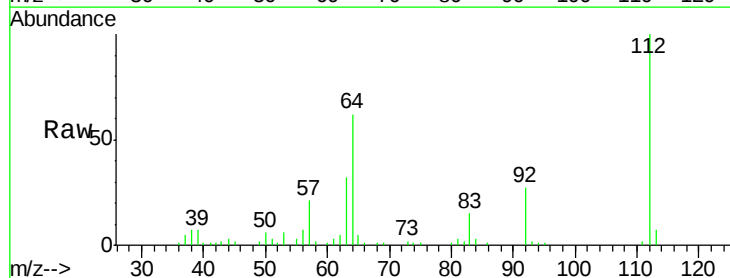


Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E

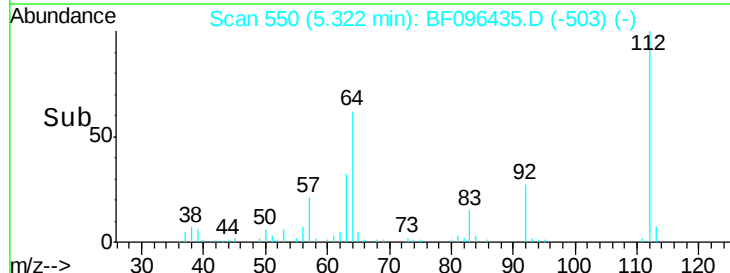
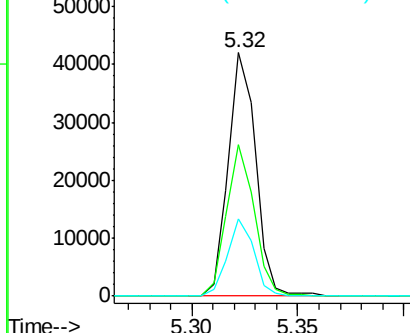


#5  
 2-Fluorophenol  
 Concen: 4.021 ng  
 RT: 5.32 min Scan# 550  
 Delta R.T. -0.02 min  
 Lab File: BF096435.D  
 Acq: 3 Jul 2017 12:28

Tgt Ion:112 Resp: 37701  
 Ion Ratio Lower Upper  
 112 100  
 64 61.9 46.0 69.0  
 63 31.8 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: 4.314 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.03 min

Lab File: BF096435.D

Acq: 3 Jul 2017 12:28

Instrument :

BNA\_F

ClientSampleId :

G-55-0-1.5

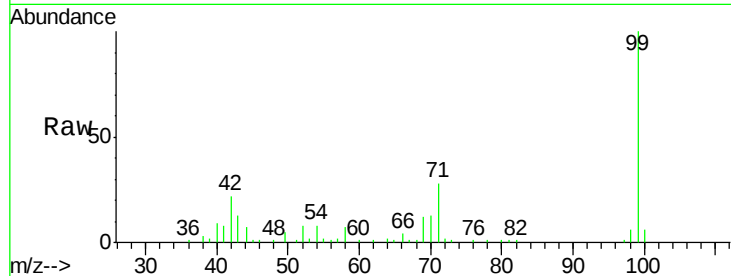
Tgt Ion: 99 Resp: 49722

Ion Ratio Lower Upper

99 100

42 22.0 13.5 20.3#

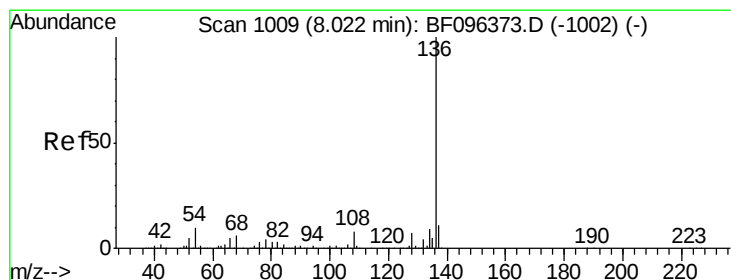
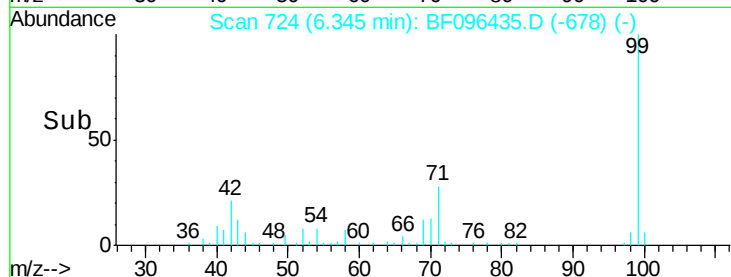
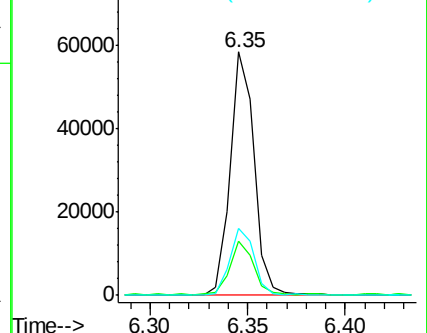
71 27.8 24.5 36.7



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: 8.00 min Scan# 1006

Delta R.T. -0.02 min

Lab File: BF096435.D

Acq: 3 Jul 2017 12:28

Tgt Ion: 136 Resp: 580989

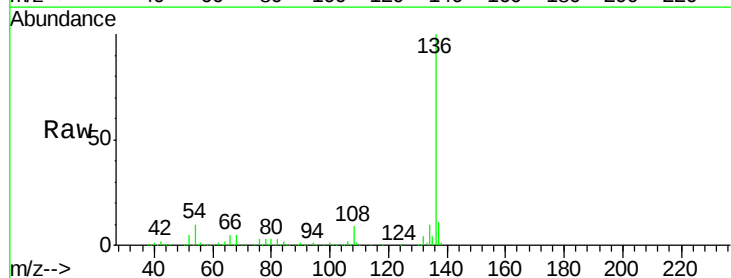
Ion Ratio Lower Upper

136 100

137 11.0 8.5 12.7

54 9.7 4.9 7.3#

68 5.0 4.1 6.1

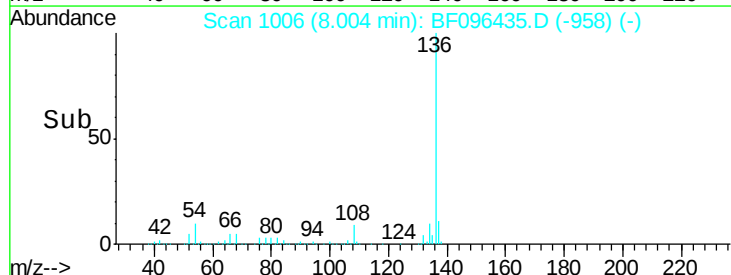
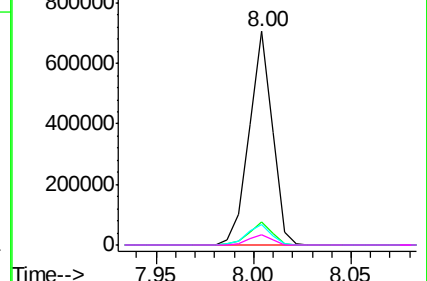


Abundance Ion 136.00 (135.70 to 136.70): E

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

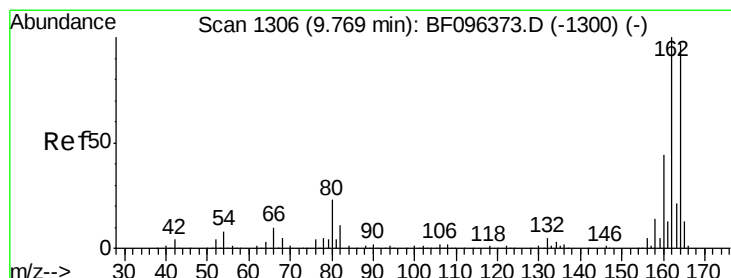
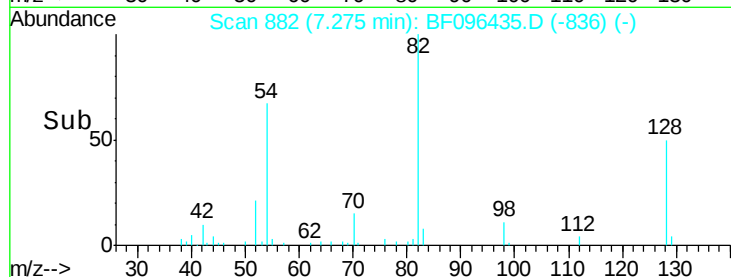
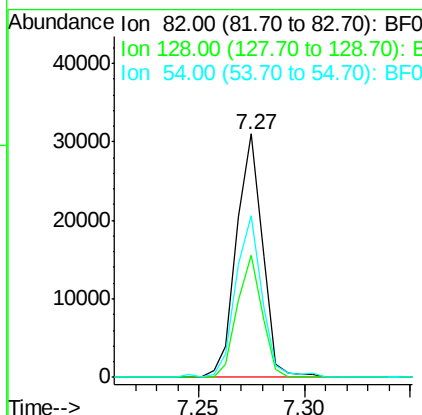
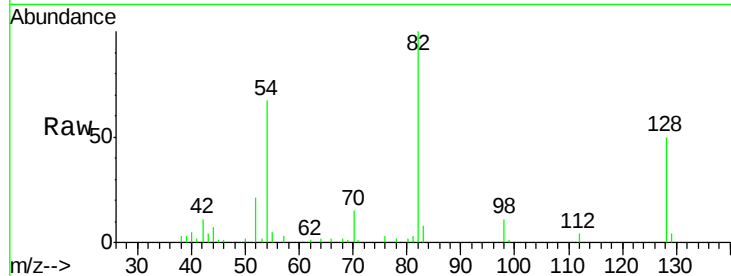




#23  
 Nitrobenzene-d5  
 Concen: 2.723 ng  
 RT: 7.27 min Scan# 882  
 Delta R.T. -0.03 min  
 Lab File: BF096435.D  
 Acq: 3 Jul 2017 12:28

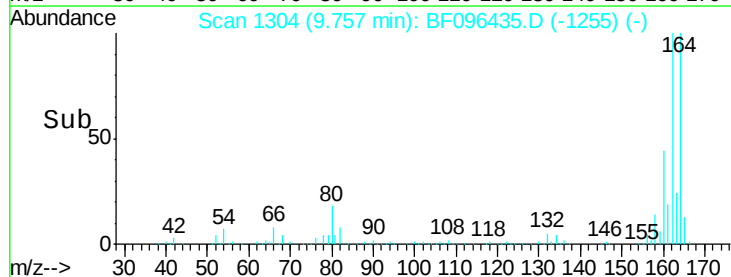
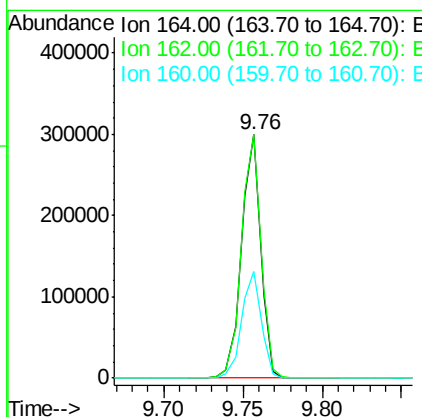
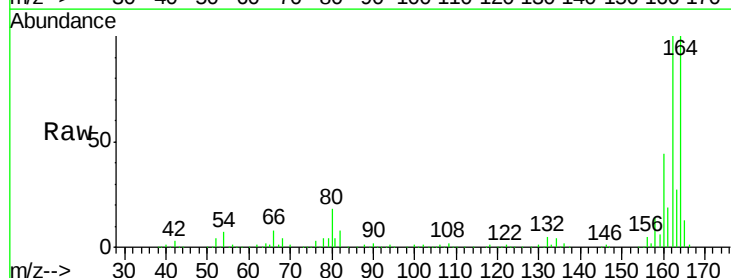
Instrument :  
 BNA\_F  
 ClientSampleId :  
 G-55-0-1.5

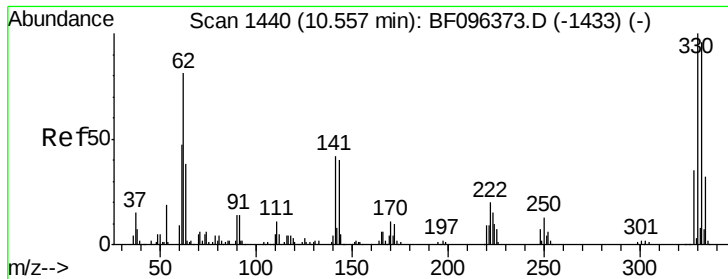
Tgt Ion: 82 Resp: 26327  
 Ion Ratio Lower Upper  
 82 100  
 128 50.3 34.0 51.0  
 54 66.5 42.2 63.2#



#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.76 min Scan# 1304  
 Delta R.T. -0.01 min  
 Lab File: BF096435.D  
 Acq: 3 Jul 2017 12:28

Tgt Ion: 164 Resp: 250948  
 Ion Ratio Lower Upper  
 164 100  
 162 100.0 82.6 123.8  
 160 43.7 36.2 54.2

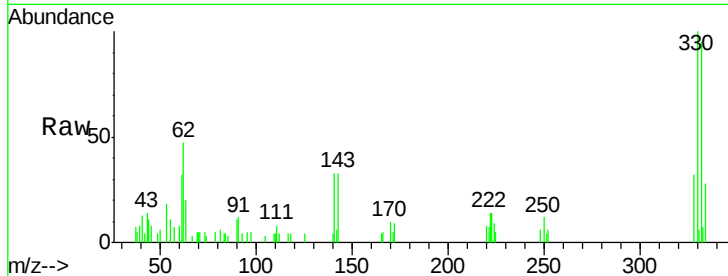




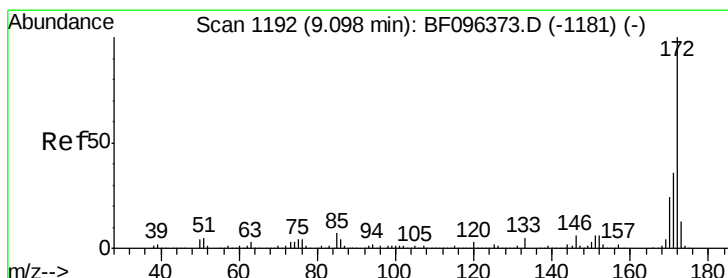
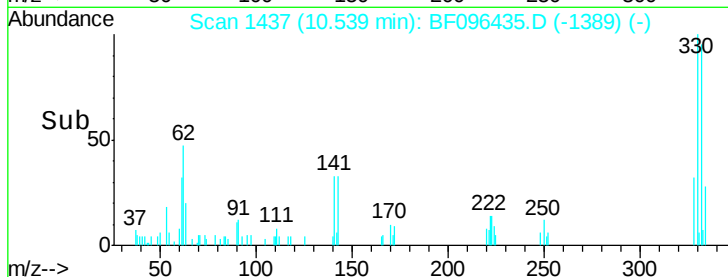
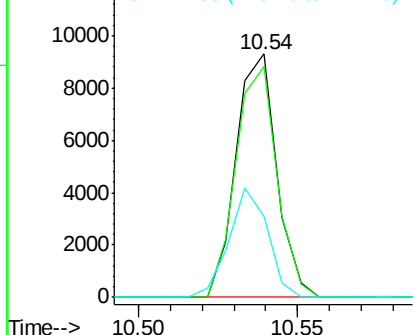
#41  
 2,4,6-Tribromophenol  
 Concen: 4.197 ng  
 RT: 10.54 min Scan# 1437  
 Delta R.T. -0.02 min  
 Lab File: BF096435.D  
 Acq: 3 Jul 2017 12:28

Instrument :  
 BNA\_F  
 ClientSampleId :  
 G-55-0-1.5

Tgt Ion: 330 Resp: 8227  
 Ion Ratio Lower Upper  
 330 100  
 332 96.1 76.6 115.0  
 141 42.6 31.4 47.2

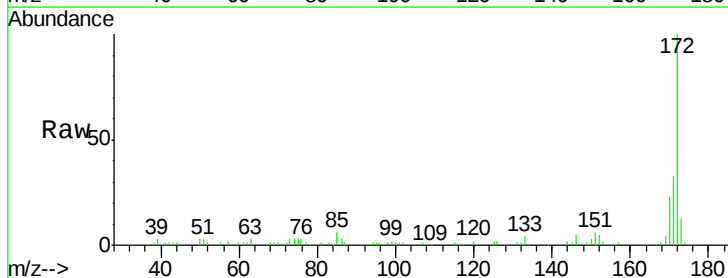


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

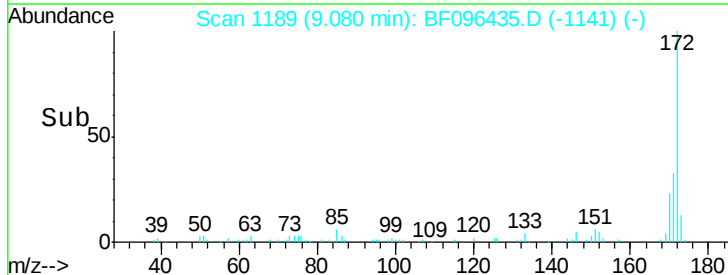
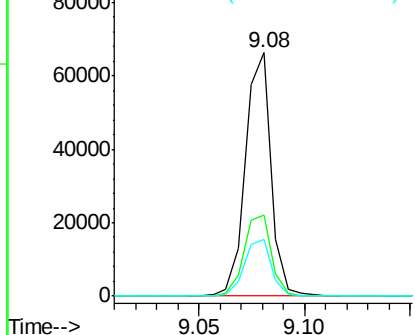


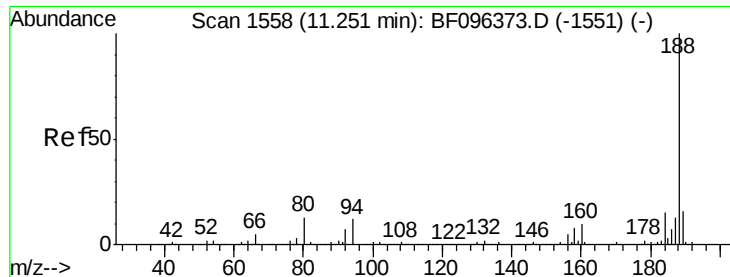
#44  
 2-Fluorobiphenyl  
 Concen: 3.799 ng  
 RT: 9.08 min Scan# 1189  
 Delta R.T. -0.02 min  
 Lab File: BF096435.D  
 Acq: 3 Jul 2017 12:28

Tgt Ion: 172 Resp: 55754  
 Ion Ratio Lower Upper  
 172 100  
 171 33.1 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

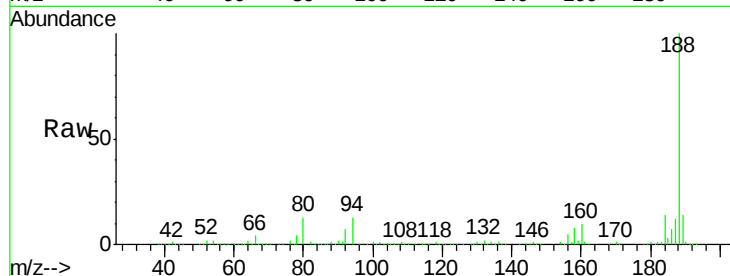




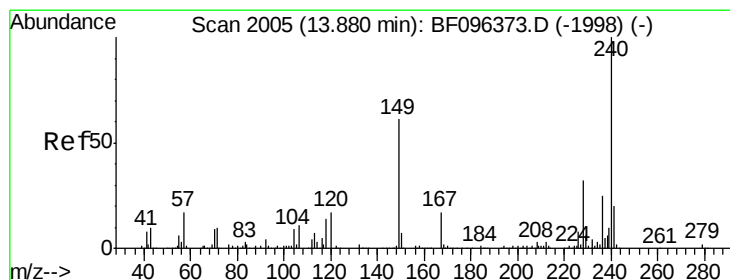
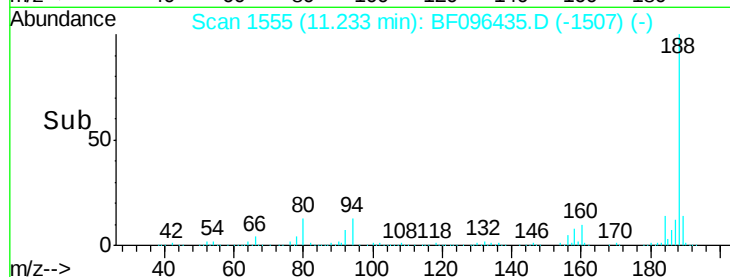
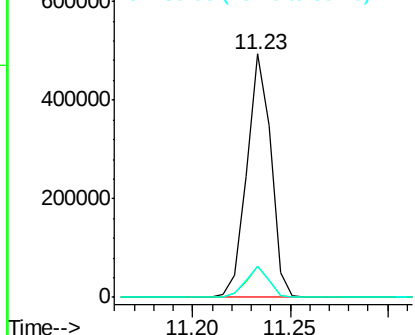
#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.23 min Scan# 1555  
Delta R.T. -0.02 min  
Lab File: BF096435.D  
Acq: 3 Jul 2017 12:28

Instrument :  
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Tgt Ion:188 Resp: 421949  
Ion Ratio Lower Upper  
188 100  
94 12.7 9.4 14.2  
80 12.6 10.2 15.2

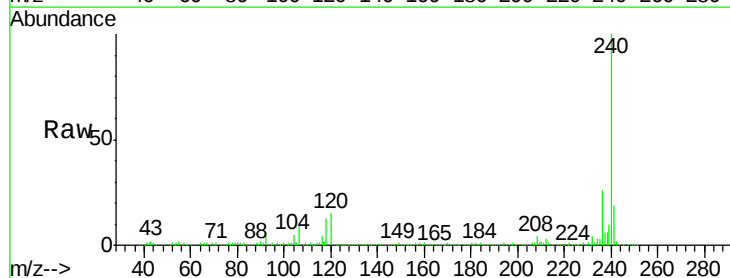


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

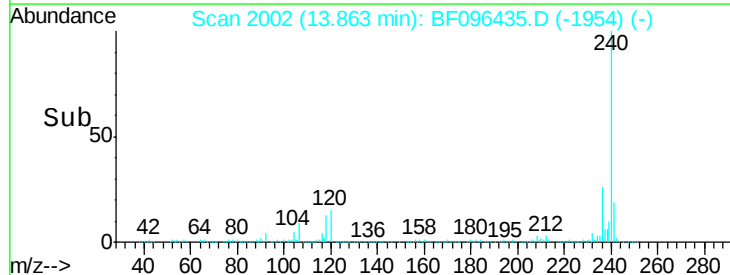
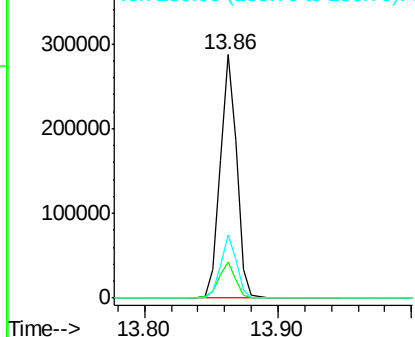


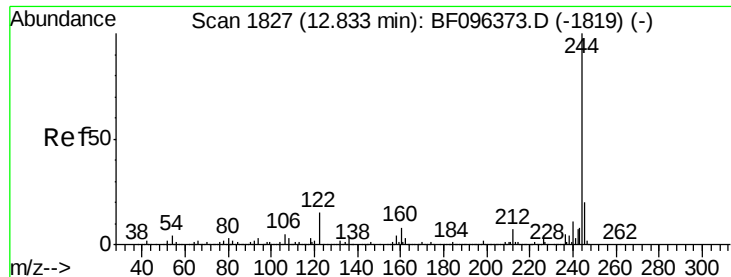
#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.86 min Scan# 2002  
Delta R.T. -0.02 min  
Lab File: BF096435.D  
Acq: 3 Jul 2017 12:28

Tgt Ion:240 Resp: 252699  
Ion Ratio Lower Upper  
240 100  
120 14.8 5.8 8.8#  
236 26.0 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

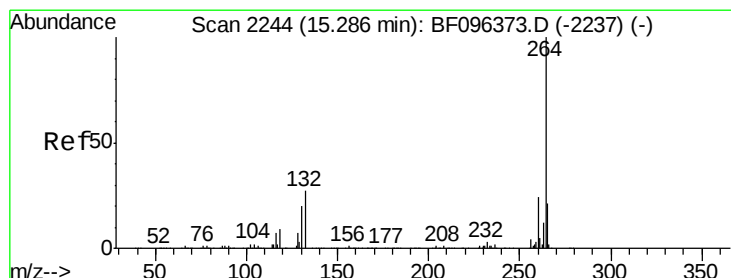
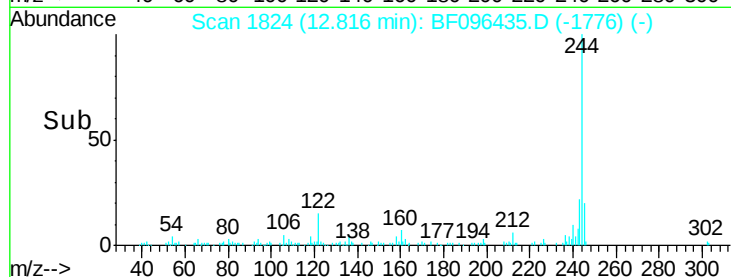
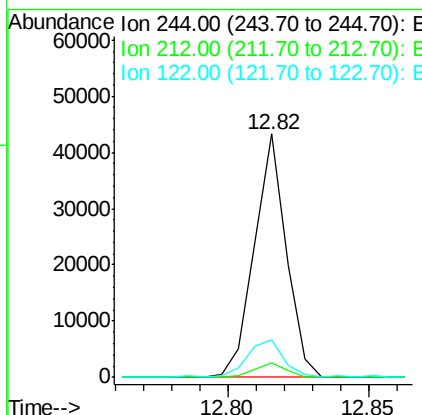
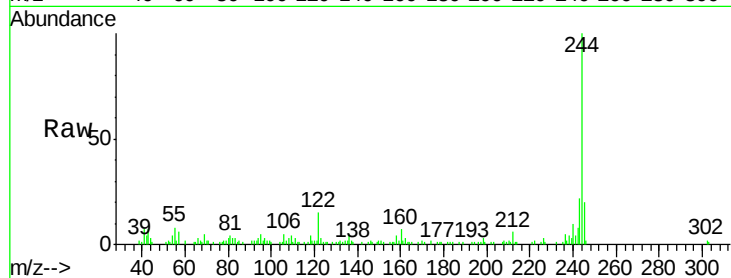




#78  
 Terphenyl-d14  
 Concen: 2.876 ng  
 RT: 12.82 min Scan# 1824  
 Delta R.T. -0.02 min  
 Lab File: BF096435.D  
 Acq: 3 Jul 2017 12:28

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Tgt Ion: 244 Resp: 34006  
 Ion Ratio Lower Upper  
 244 100  
 212 6.2 6.0 9.0  
 122 15.3 10.3 15.5



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.27 min Scan# 2242  
 Delta R.T. -0.01 min  
 Lab File: BF096435.D  
 Acq: 3 Jul 2017 12:28

Tgt Ion: 264 Resp: 233379  
 Ion Ratio Lower Upper  
 264 100  
 260 23.8 19.5 29.3  
 265 22.0 17.2 25.8

