

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032717\  
 Data File : BF093952.D  
 Acq On : 27 Mar 2017 20:00  
 Operator : SJ/MA  
 Sample : I2405-01  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 EX-L-10

Quant Time: Mar 28 00:28:08 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Mar 27 16:10:49 2017  
 Response via : Initial Calibration

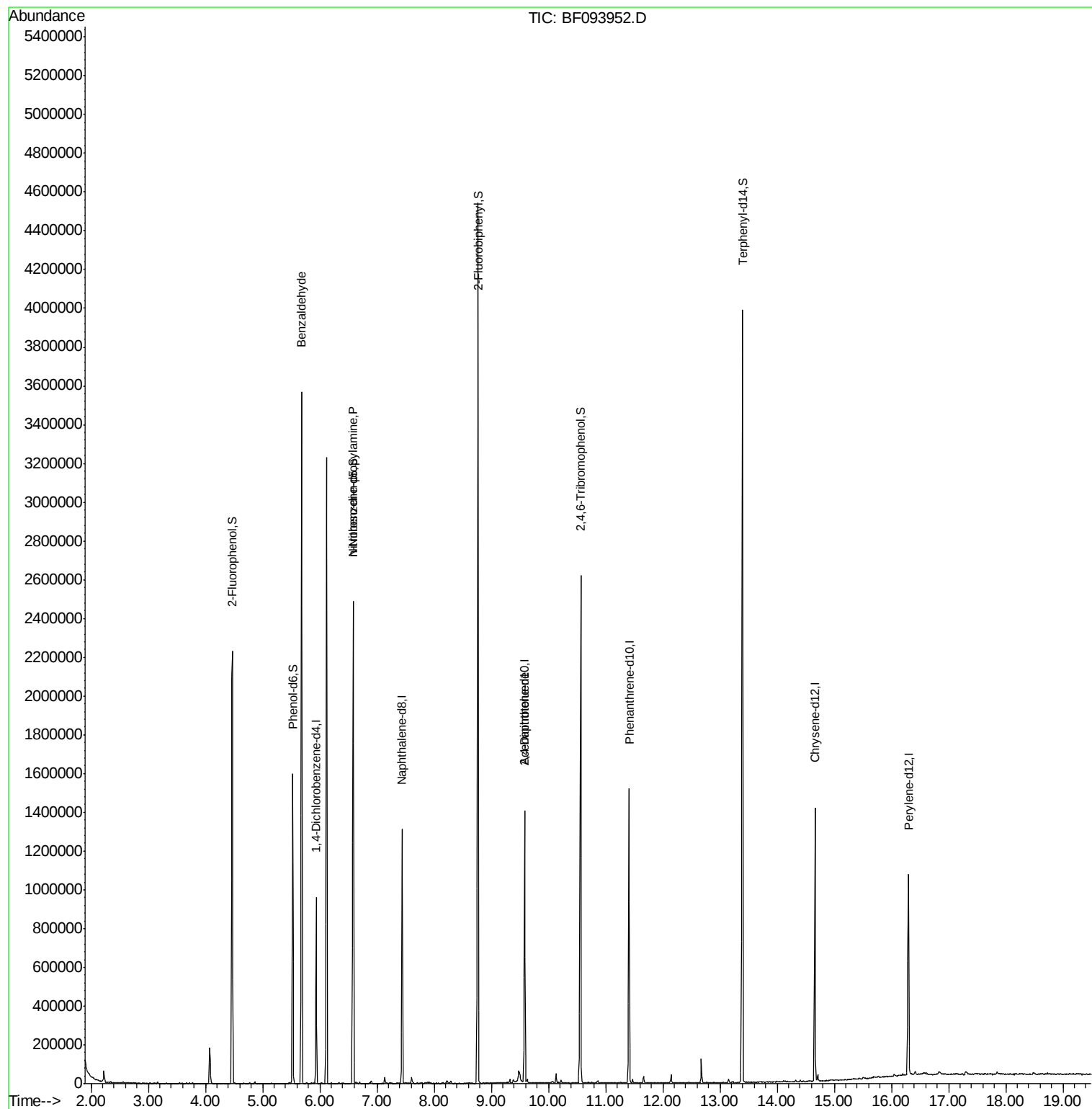
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 5.94  | 152  | 165823   | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8             | 7.44  | 136  | 673678   | 20.00  | ng    | -0.02    |
| 38) Acenaphthene-d10           | 9.59  | 164  | 318361   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10           | 11.41 | 188  | 589665   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12               | 14.66 | 240  | 533733   | 20.00  | ng    | -0.02    |
| 86) Perylene-d12               | 16.30 | 264  | 448233   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 4.47  | 112  | 662312   | 67.46  | ng    | 0.00     |
| 7) Phenol-d6                   | 5.53  | 99   | 536539   | 44.18  | ng    | -0.02    |
| 23) Nitrobenzene-d5            | 6.59  | 82   | 1050369  | 88.98  | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol       | 10.56 | 330  | 394497   | 156.81 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl           | 8.77  | 172  | 1872697  | 89.72  | ng    | -0.01    |
| 78) Terphenyl-d14              | 13.40 | 244  | 1662441  | 69.82  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 9) Benzaldehyde                | 5.68  | 77   | 23571    | 2.87   | ng    | # 78     |
| 19) n-Nitroso-di-n-propylamine | 6.59  | 70   | 138597   | 17.76  | ng    | # 78     |
| 56) 2,4-Dinitrotoluene         | 9.59  | 165  | 40605    | 6.23   | ng    | # 33     |

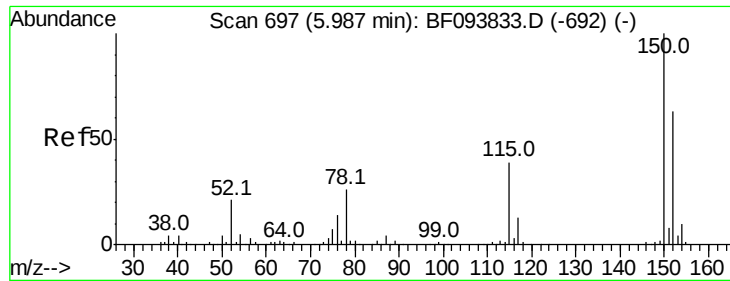
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 5.94 min Scan# 689

Delta R.T. -0.01 min

Lab File: BF093952.D

Acq: 27 Mar 2017 20:00

Instrument :

BNA\_F

ClientSampleId :

EX-L-10

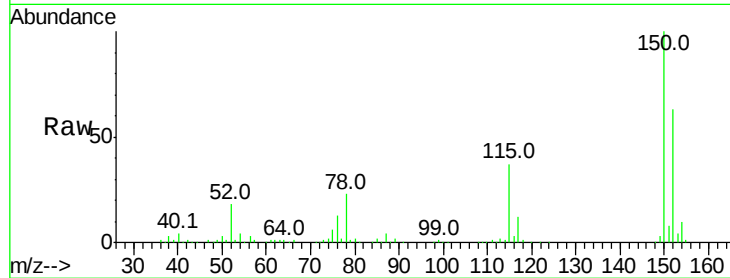
Tot Ion:152 Resp: 165823

Ion Ratio Lower Upper

152 100

150 157.7 126.2 189.2

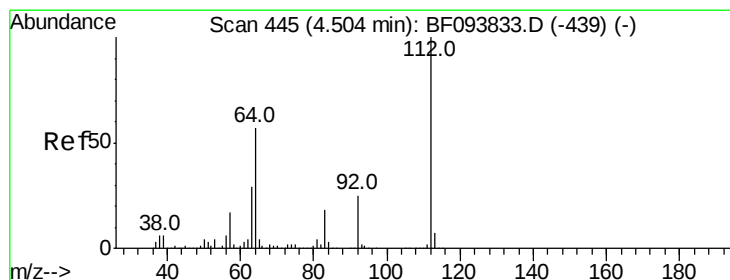
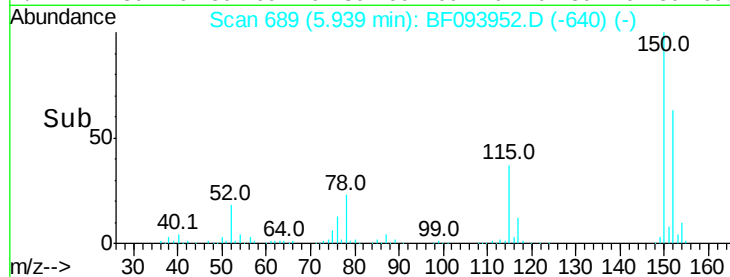
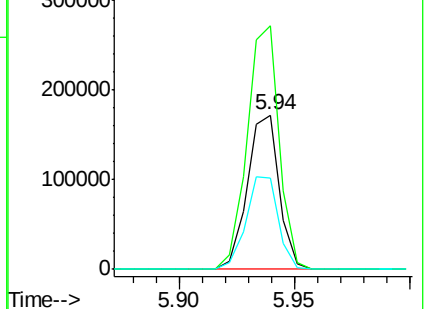
115 58.8 52.2 78.2



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: 67.46 ng

RT: 4.47 min Scan# 439

Delta R.T. -0.01 min

Lab File: BF093952.D

Acq: 27 Mar 2017 20:00

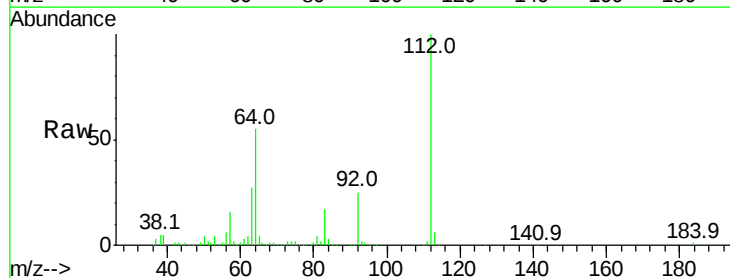
Tgt Ion:112 Resp: 662312

Ion Ratio Lower Upper

112 100

64 55.3 46.0 69.0

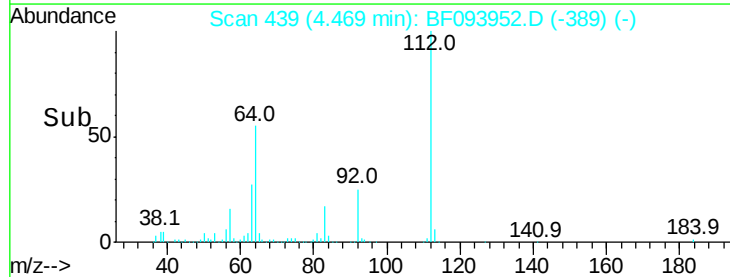
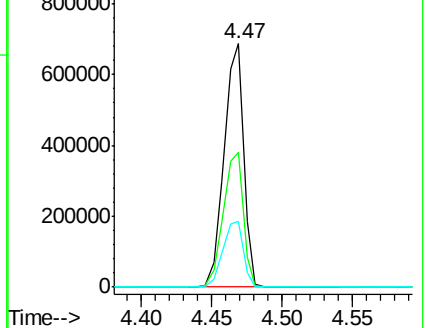
63 27.1 23.4 35.0

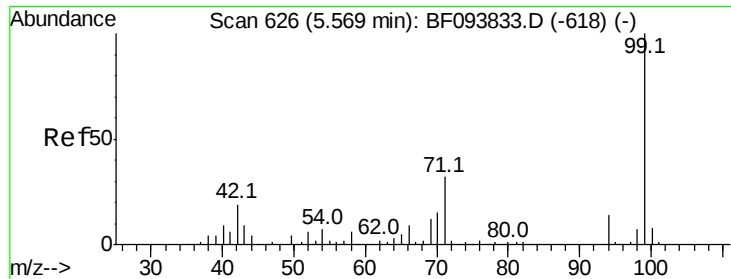


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 44.18 ng

RT: 5.53 min Scan# 619

Delta R.T. -0.02 min

Lab File: BF093952.D

Acq: 27 Mar 2017 20:00

Instrument :

BNA\_F

ClientSampleId :

EX-L-10

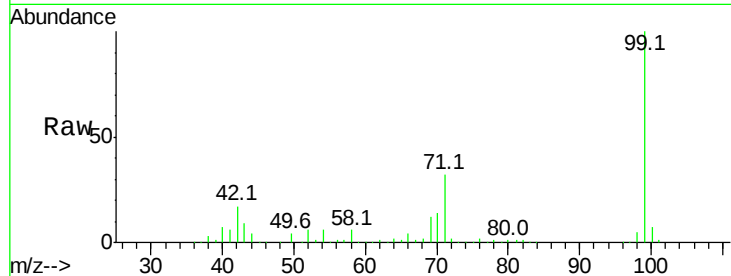
Tot Ion: 99 Resp: 536539

Ion Ratio Lower Upper

99 100

42 17.0 13.5 20.3

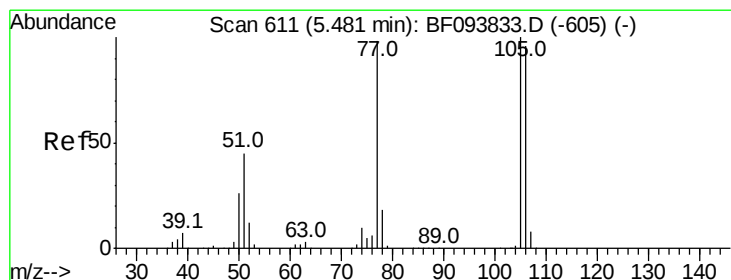
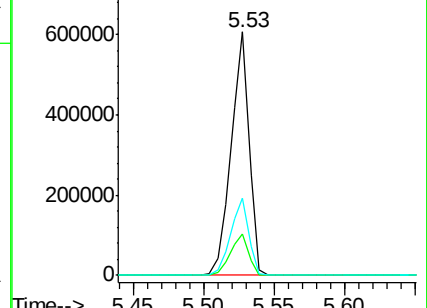
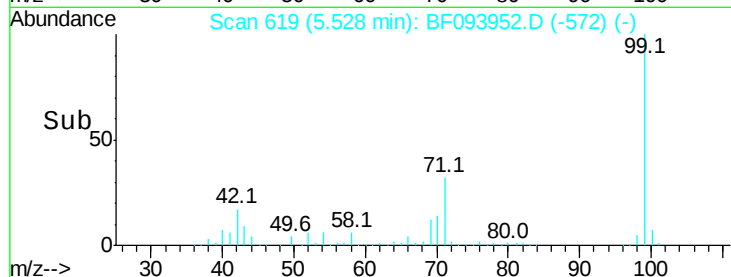
71 31.8 24.5 36.7



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



#9

Benzaldehyde

Concen: 2.87 ng

RT: 5.68 min Scan# 645

Delta R.T. 0.24 min

Lab File: BF093952.D

Acq: 27 Mar 2017 20:00

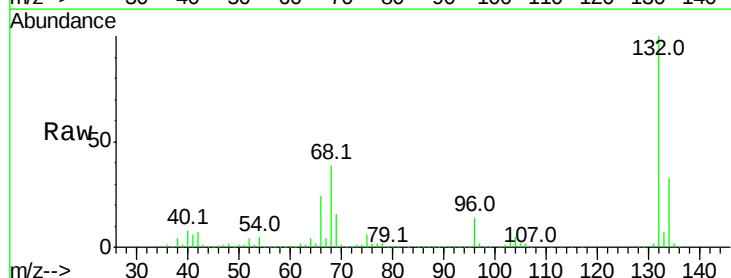
Tgt Ion: 77 Resp: 23571

Ion Ratio Lower Upper

77 100

105 79.9 83.8 123.8#

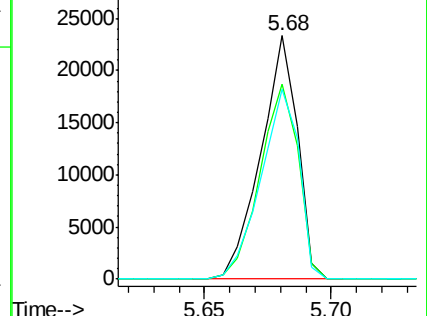
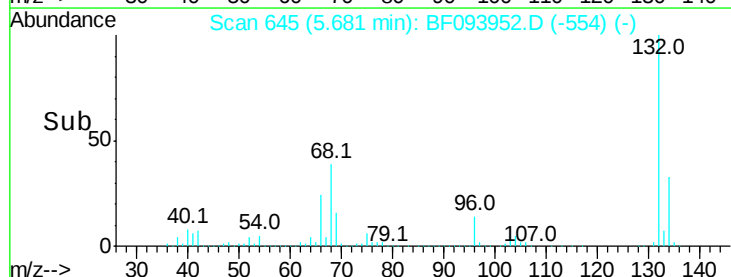
106 78.2 79.1 119.1#



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#19

n-Nitroso-di-n-propylamine

Concen: 17.76 ng

RT: 6.59 min Scan# 799

Delta R.T. 0.15 min

Lab File: BF093952.D

Acq: 27 Mar 2017 20:00

Instrument :

BNA\_F

ClientSampleId :

EX-L-10

Tot Ion: 70 Resp: 138597

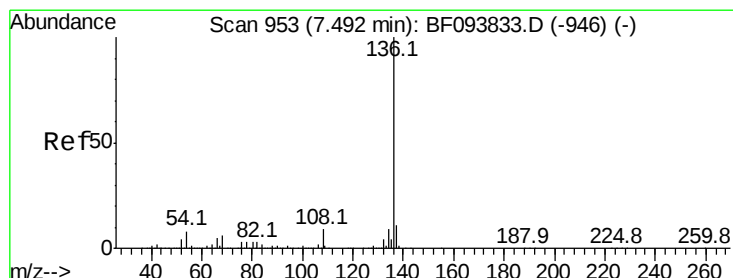
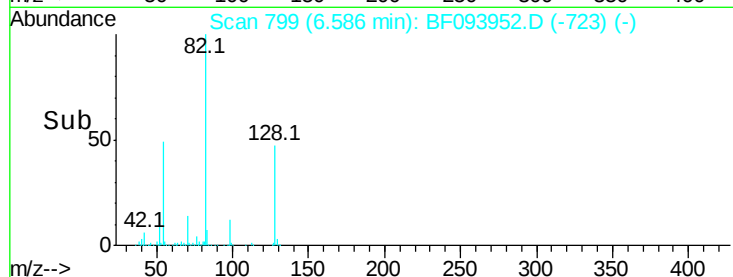
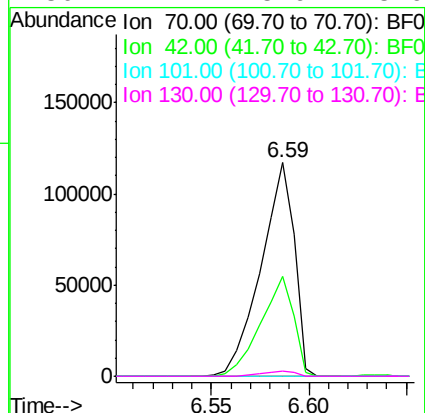
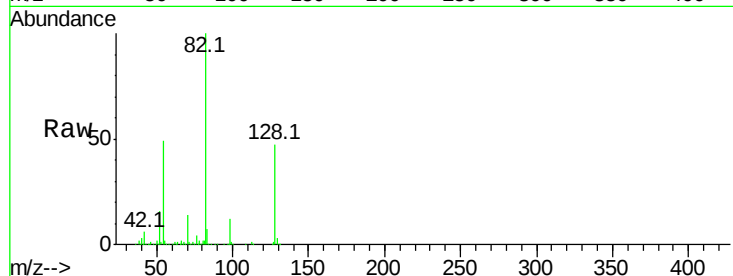
Ion Ratio Lower Upper

70 100

42 46.7 47.2 70.8#

101 0.0 7.2 10.8#

130 2.4 15.9 23.9#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.44 min Scan# 944

Delta R.T. -0.02 min

Lab File: BF093952.D

Acq: 27 Mar 2017 20:00

Tgt Ion: 136 Resp: 673678

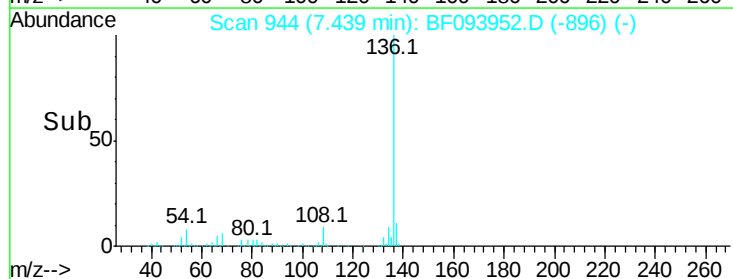
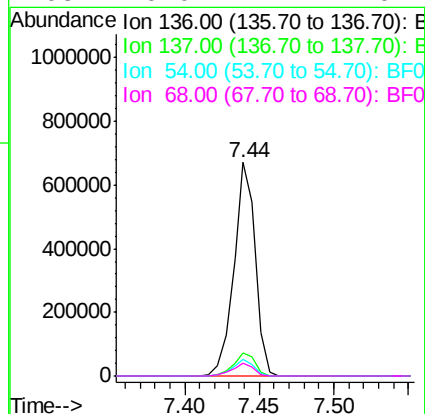
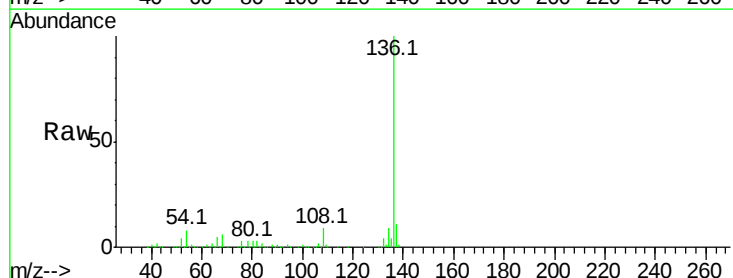
Ion Ratio Lower Upper

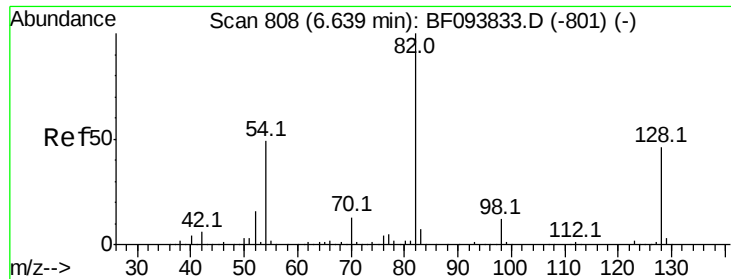
136 100

137 10.8 8.5 12.7

54 7.7 4.9 7.3#

68 6.0 4.1 6.1

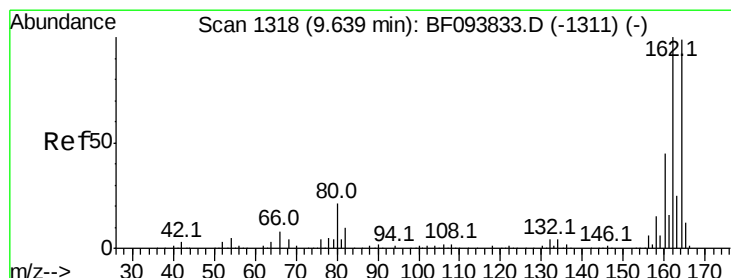
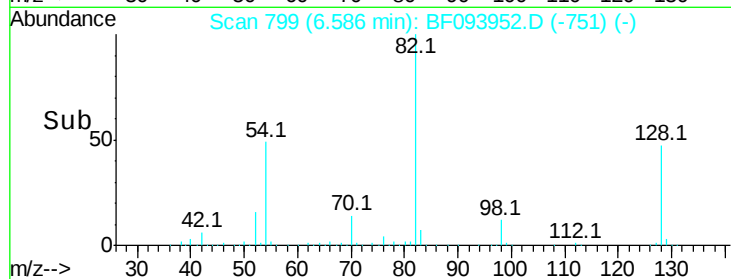
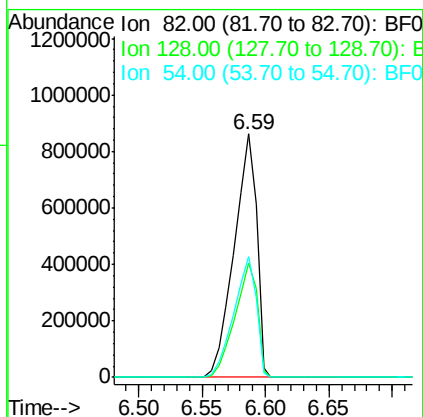
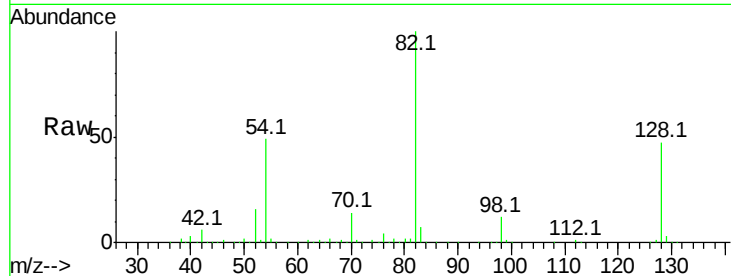




#23  
Nitrobenzene-d5  
Concen: 88.98 ng  
RT: 6.59 min Scan# 799  
Delta R.T. -0.02 min  
Lab File: BF093952.D  
Acq: 27 Mar 2017 20:00

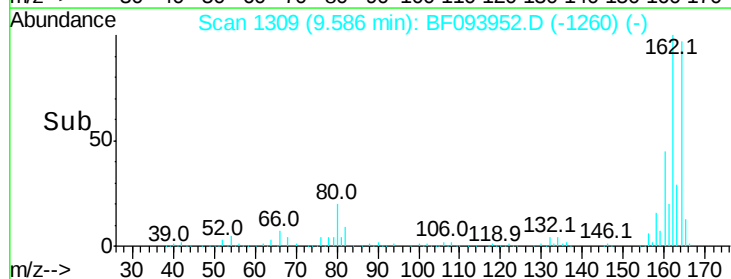
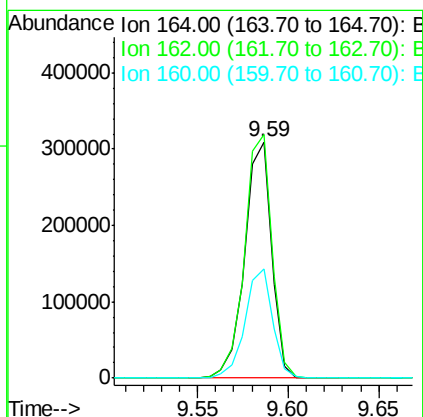
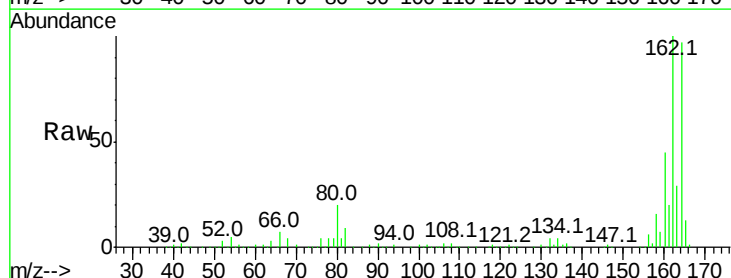
Instrument :  
BNA\_F  
ClientSampled :  
EX-L-10

Tot Ion: 82 Resp: 1050369  
Ion Ratio Lower Upper  
82 100  
128 46.8 34.0 51.0  
54 49.4 42.2 63.2



#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.59 min Scan# 1309  
Delta R.T. -0.01 min  
Lab File: BF093952.D  
Acq: 27 Mar 2017 20:00

Tgt Ion:164 Resp: 318361  
Ion Ratio Lower Upper  
164 100  
162 103.2 82.6 123.8  
160 46.1 36.2 54.2

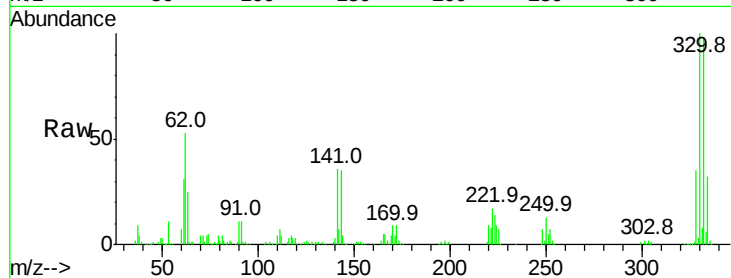




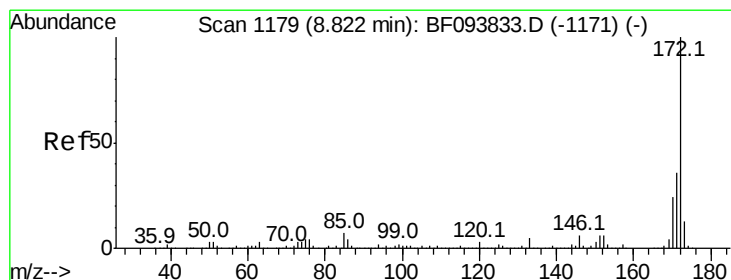
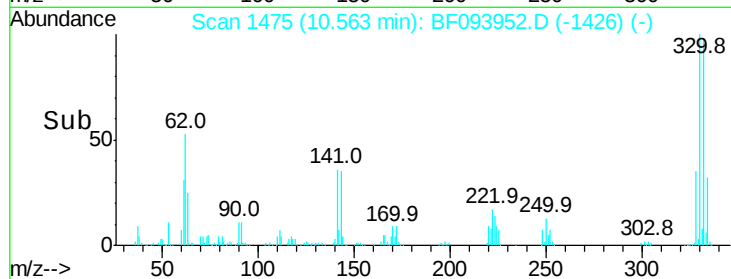
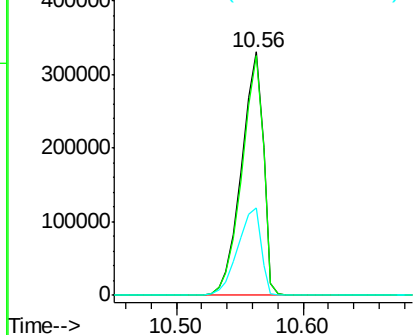
#41  
 2,4,6-Tribromophenol  
 Concen: 156.81 ng  
 RT: 10.56 min Scan# 1475  
 Delta R.T. -0.01 min  
 Lab File: BF093952.D  
 Acq: 27 Mar 2017 20:00

Instrument :  
 BNA\_F  
 ClientSampled :  
 EX-L-10

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.7  | 76.6  | 115.0 |
| 141     | 38.2  | 31.4  | 47.2  |

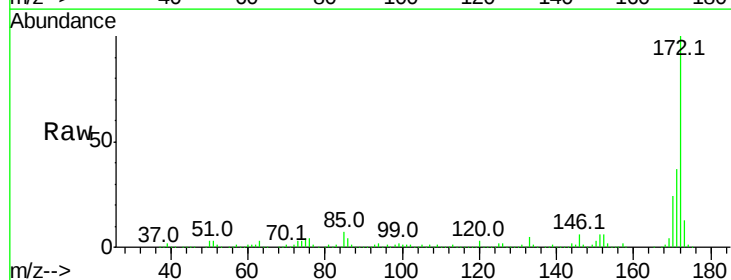


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

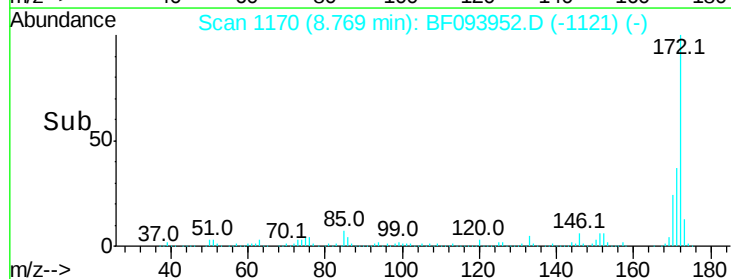
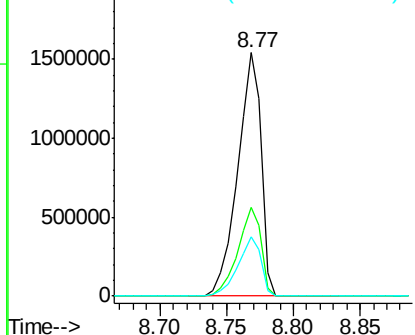


#44  
 2-Fluorobiphenyl  
 Concen: 89.72 ng  
 RT: 8.77 min Scan# 1170  
 Delta R.T. -0.01 min  
 Lab File: BF093952.D  
 Acq: 27 Mar 2017 20:00

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.6  | 29.6  | 44.4  |
| 170     | 24.1  | 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

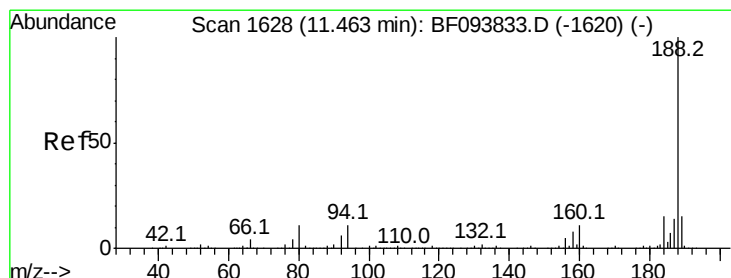
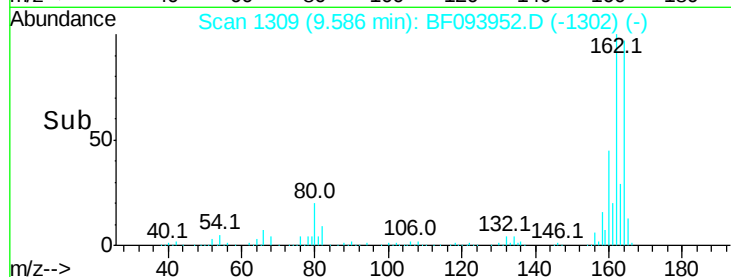
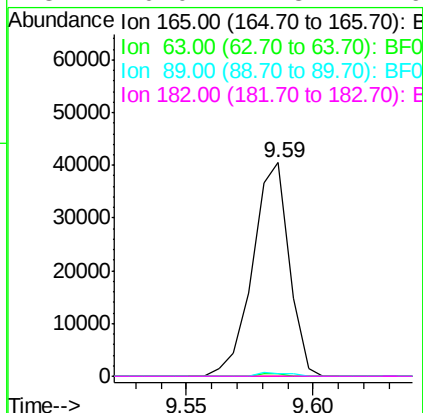
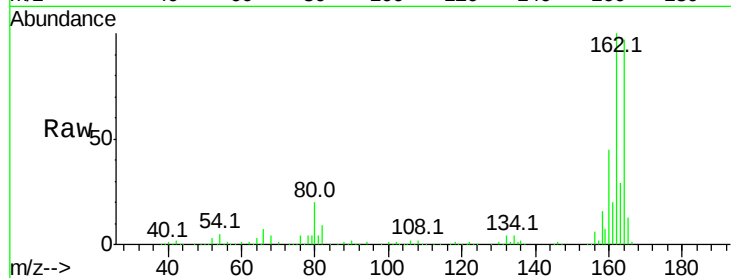




#56  
 2,4-Dinitrotoluene  
 Concen: 6.23 ng  
 RT: 9.59 min Scan# 1309  
 Delta R.T. -0.26 min  
 Lab File: BF093952.D  
 Acq: 27 Mar 2017 20:00

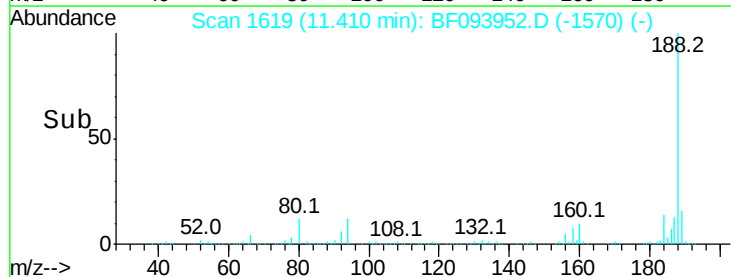
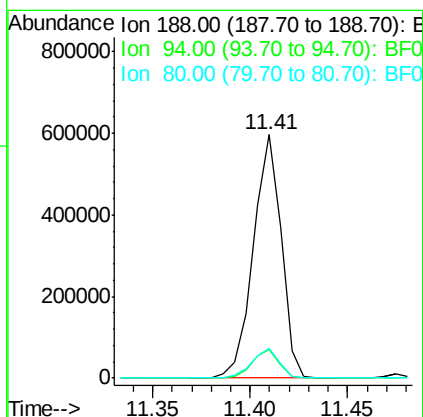
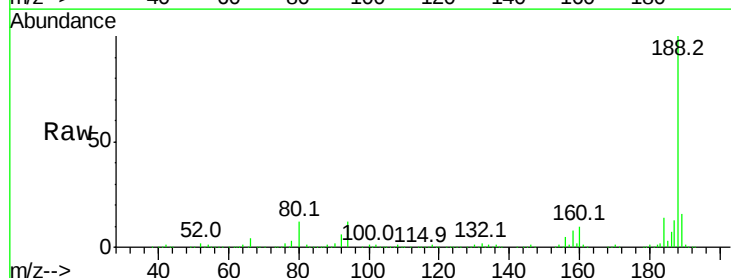
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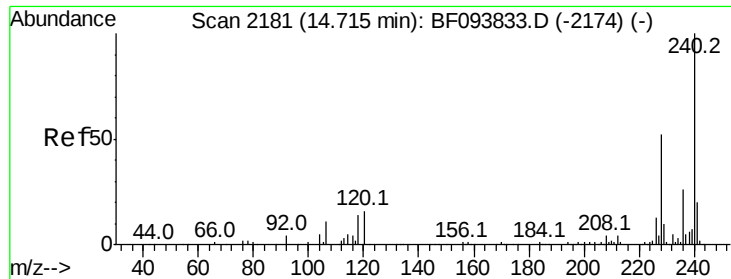
Tot Ion:165 Resp: 40605  
 Ion Ratio Lower Upper  
 165 100  
 63 1.2 25.4 38.0#  
 89 1.1 46.4 69.6#  
 182 0.0 1.8 2.6#



#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 11.41 min Scan# 1619  
 Delta R.T. -0.01 min  
 Lab File: BF093952.D  
 Acq: 27 Mar 2017 20:00

Tgt Ion:188 Resp: 589665  
 Ion Ratio Lower Upper  
 188 100  
 94 11.5 9.4 14.2  
 80 12.1 10.2 15.2

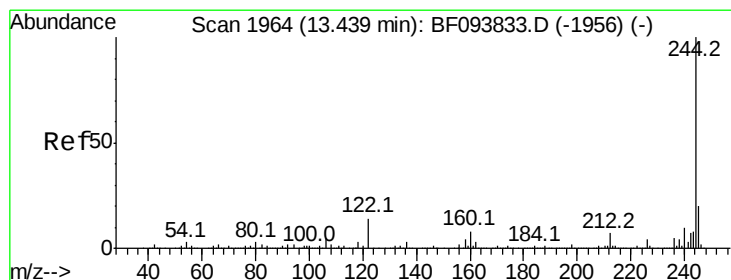
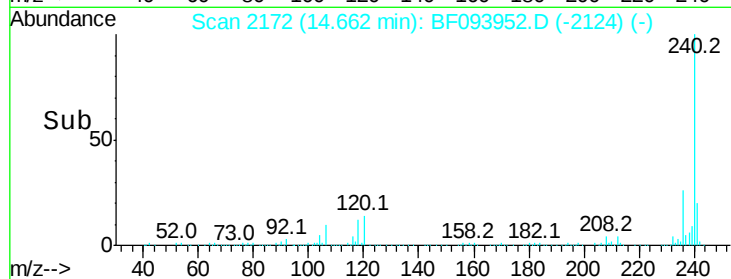
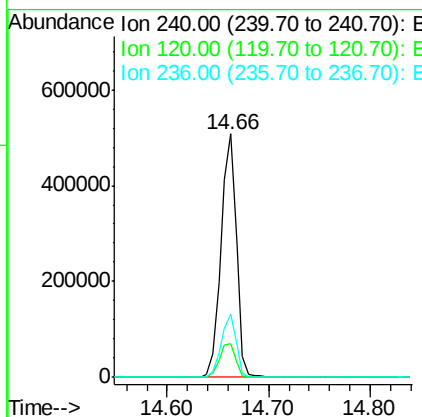
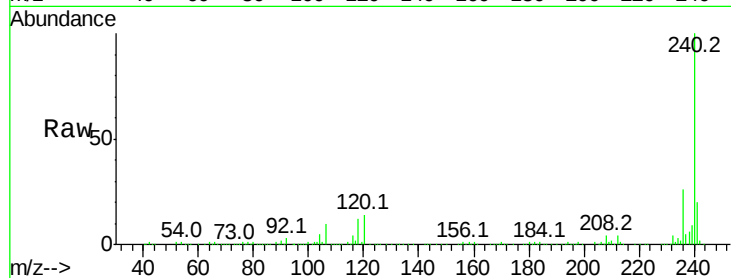




#75  
 Chrysene-d12  
 Concen: 20.00 ng  
 RT: 14.66 min Scan# 2172  
 Delta R.T. -0.02 min  
 Lab File: BF093952.D  
 Acq: 27 Mar 2017 20:00

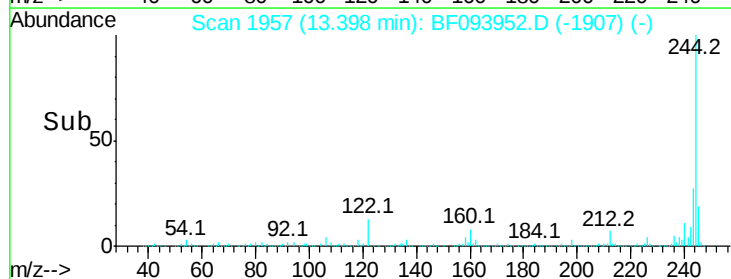
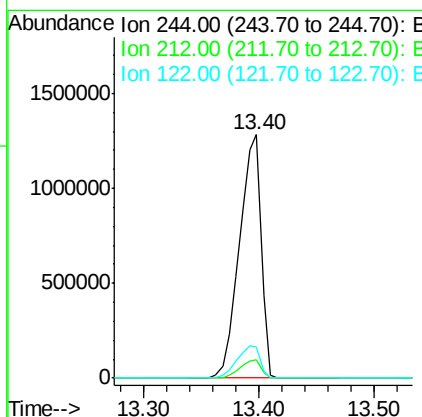
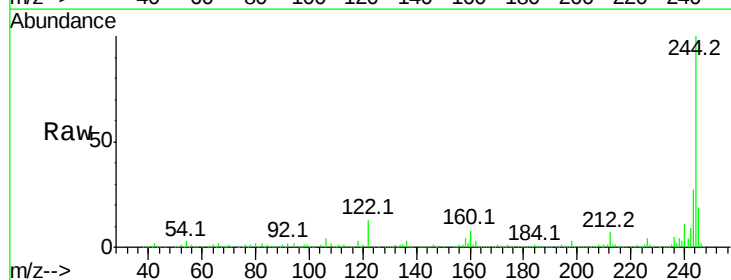
Instrument :  
 BNA\_F  
 ClientSampleId :  
 EX-L-10

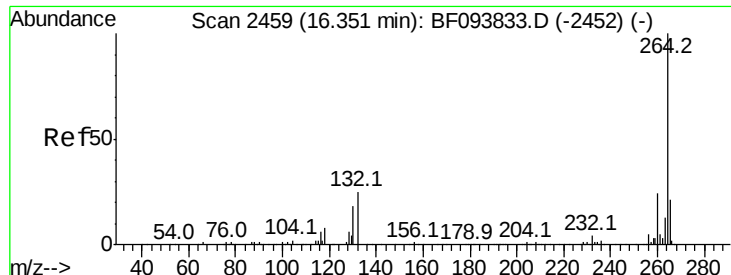
Tot Ion:240 Resp: 533733  
 Ion Ratio Lower Upper  
 240 100  
 120 14.1 5.8 8.8#  
 236 26.1 20.5 30.7



#78  
 Terphenyl-d14  
 Concen: 69.82 ng  
 RT: 13.40 min Scan# 1957  
 Delta R.T. -0.01 min  
 Lab File: BF093952.D  
 Acq: 27 Mar 2017 20:00

Tgt Ion:244 Resp: 1662441  
 Ion Ratio Lower Upper  
 244 100  
 212 7.4 6.0 9.0  
 122 12.6 10.3 15.5

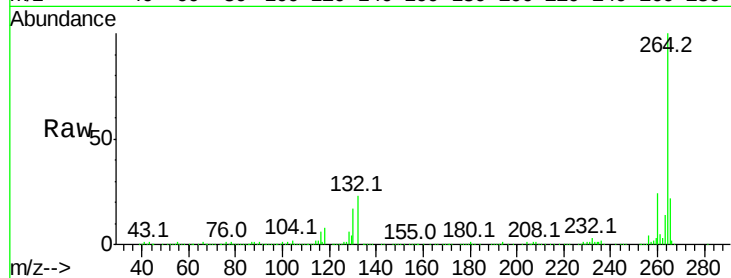




#86  
 Pervlene-d12  
 Concen: 20.00 ng  
 RT: 16.30 min Scan# 2450  
 Delta R.T. -0.01 min  
 Lab File: BF093952.D  
 Acq: 27 Mar 2017 20:00

Instrument :  
 BNA\_F  
 ClientSampleId :  
 EX-L-10

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.0  | 19.5  | 29.3  |
| 265     | 22.0  | 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

