

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081817\  
 Data File : BF097855.D  
 Acq On : 19 Aug 2017 1:47  
 Operator : SJ/JU  
 Sample : I4761-01RE  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 RUSB-01RE

Quant Time: Aug 19 02:12:13 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Aug 15 13:25:08 2017  
 Response via : Initial Calibration

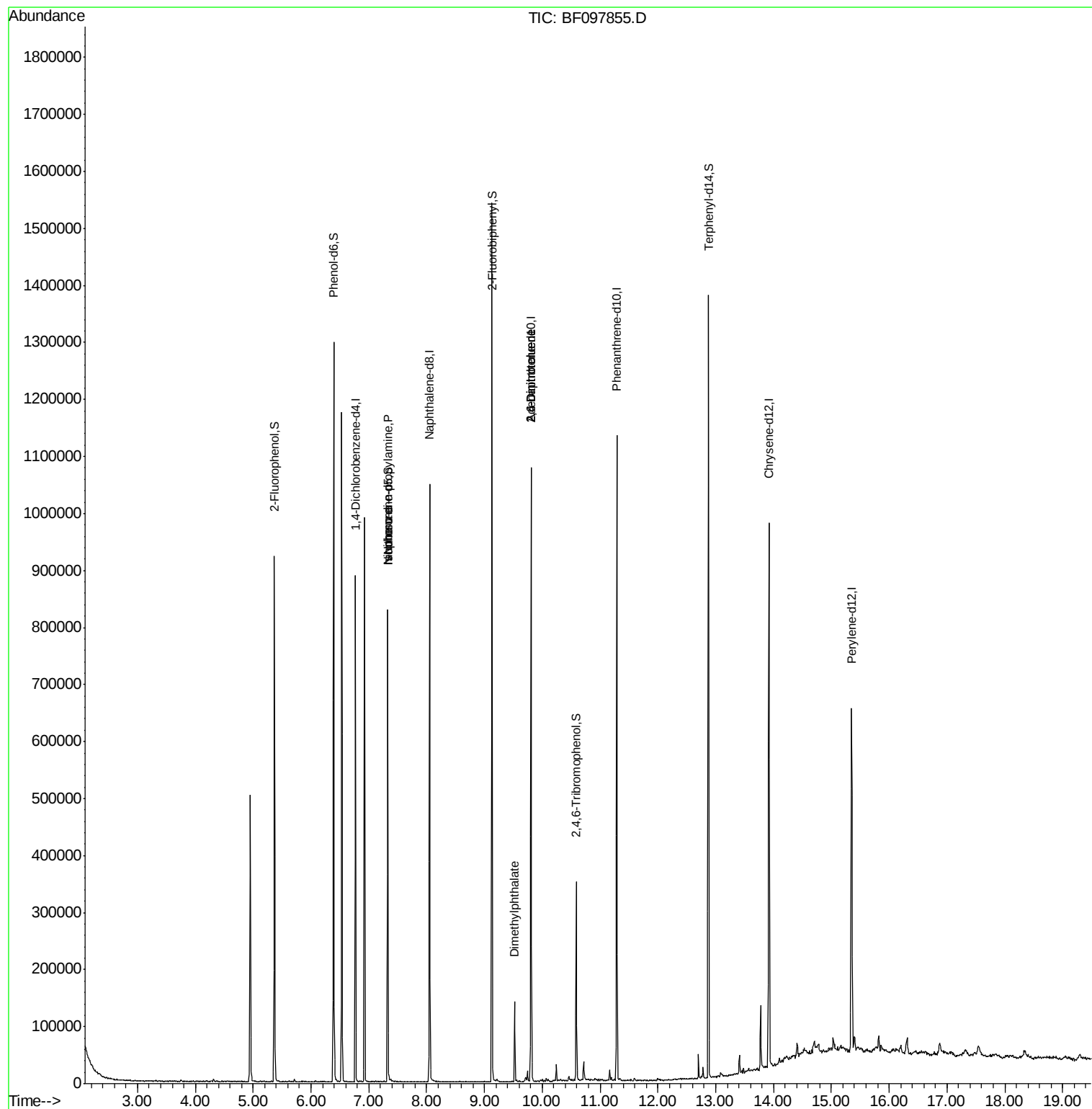
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.77  | 152  | 109964   | 20.00 | ng    | -0.02    |
| 21) Naphthalene-d8             | 8.05  | 136  | 442636   | 20.00 | ng    | -0.02    |
| 38) Acenaphthene-d10           | 9.80  | 164  | 199066   | 20.00 | ng    | -0.02    |
| 63) Phenanthrene-d10           | 11.29 | 188  | 389878   | 20.00 | ng    | -0.02    |
| 75) Chrysene-d12               | 13.92 | 240  | 292483   | 20.00 | ng    | -0.02    |
| 86) Perylene-d12               | 15.35 | 264  | 256325   | 20.00 | ng    | -0.01    |
| System Monitoring Compounds    |       |      |          |       |       |          |
| 5) 2-Fluorophenol              | 5.37  | 112  | 229382   | 31.73 | ng    | -0.02    |
| 7) Phenol-d6                   | 6.39  | 99   | 385781   | 39.27 | ng    | -0.02    |
| 23) Nitrobenzene-d5            | 7.33  | 82   | 261885   | 32.14 | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol       | 10.59 | 330  | 32770    | 18.97 | ng    | -0.02    |
| 44) 2-Fluorobiphenyl           | 9.13  | 172  | 419475   | 30.96 | ng    | -0.02    |
| 78) Terphenyl-d14              | 12.87 | 244  | 378417   | 26.98 | ng    | -0.02    |
| Target Compounds               |       |      |          |       |       |          |
| 19) n-Nitroso-di-n-propylamine | 7.33  | 70   | 35406    | 5.27  | ng    | # 73     |
| 25) Isophorone                 | 7.33  | 82   | 261881   | 15.46 | ng    | # 67     |
| 49) Dimethylphthalate          | 9.52  | 163  | 45003    | 3.09  | ng    | 99       |
| 50) 2,6-Dinitrotoluene         | 9.80  | 165  | 24873    | 8.56  | ng    | # 34     |
| 56) 2,4-Dinitrotoluene         | 9.80  | 165  | 24873    | 6.82  | ng    | # 33     |

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

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QLast Update : Tue Aug 15 13:25:08 2017  
Response via : Initial Calibration



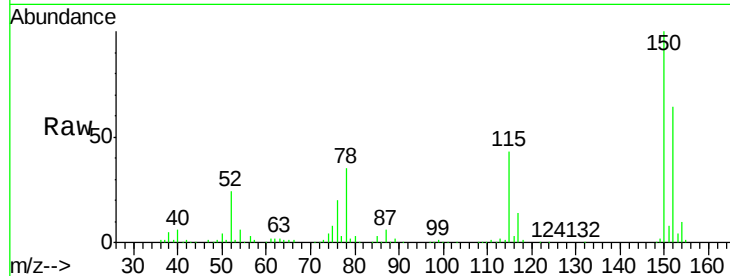


#1

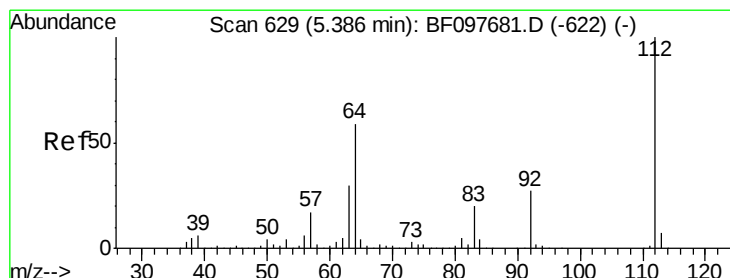
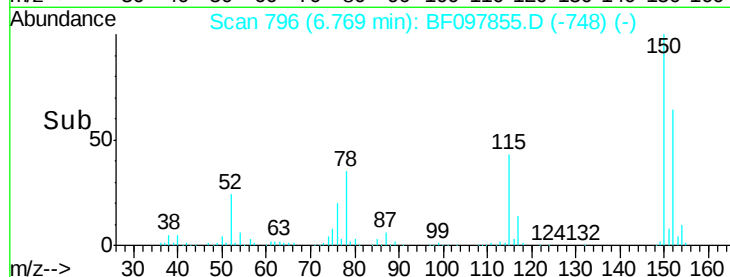
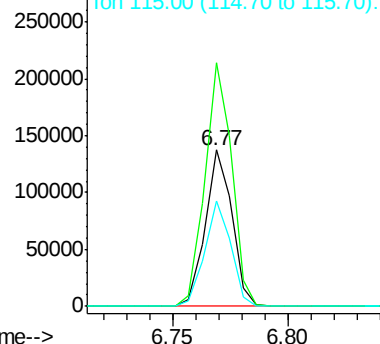
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.77 min Scan# 796  
Delta R.T. -0.02 min  
Lab File: BF097855.D  
Acq: 19 Aug 2017 1:47

Instrument :  
BNA\_F  
ClientSampleId :  
RUSB-01RE

Tot Ion:152 Resp: 109964  
Ion Ratio Lower Upper  
152 100  
150 155.6 126.2 189.2  
115 67.6 52.2 78.2



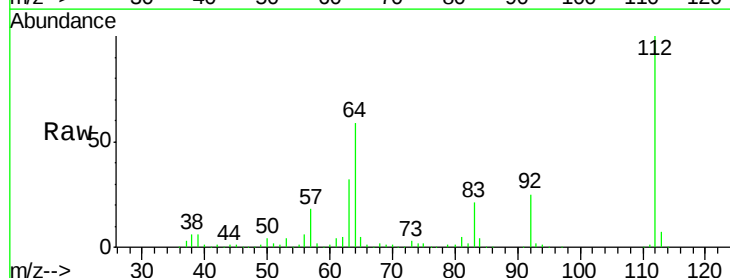
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



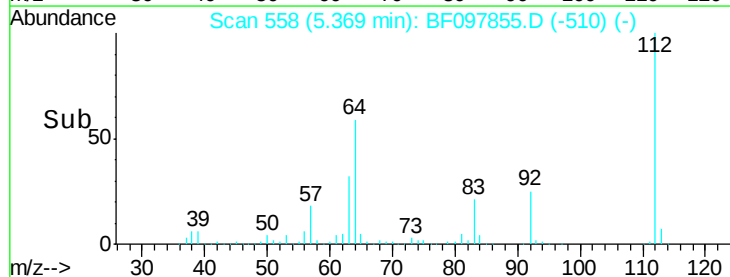
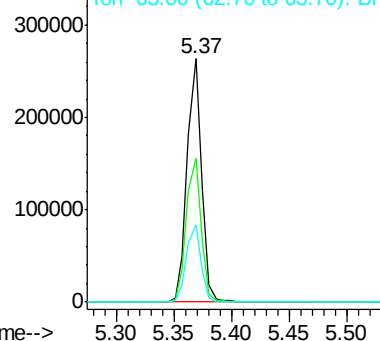
#5

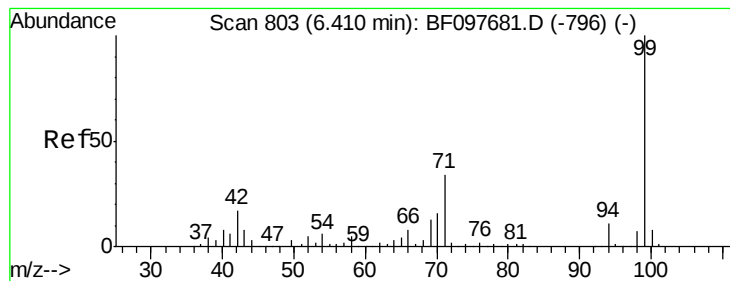
2-Fluorophenol  
Concen: 31.73 ng  
RT: 5.37 min Scan# 558  
Delta R.T. -0.02 min  
Lab File: BF097855.D  
Acq: 19 Aug 2017 1:47

Tgt Ion:112 Resp: 229382  
Ion Ratio Lower Upper  
112 100  
64 59.2 46.0 69.0  
63 31.7 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: 39.27 ng

RT: 6.39 min Scan# 732

Delta R.T. -0.02 min

Lab File: BF097855.D

Acq: 19 Aug 2017 1:47

Instrument :

BNA\_F

ClientSampleId :

RUSB-01RE

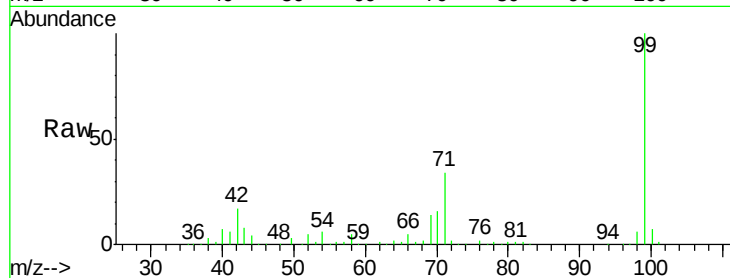
Tot Ion: 99 Resp: 385781

Ion Ratio Lower Upper

99 100

42 17.0 13.5 20.3

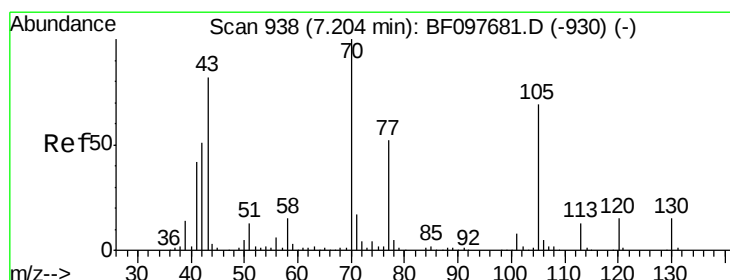
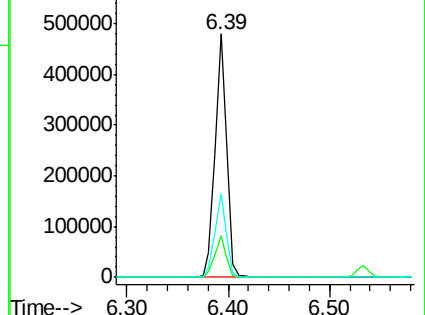
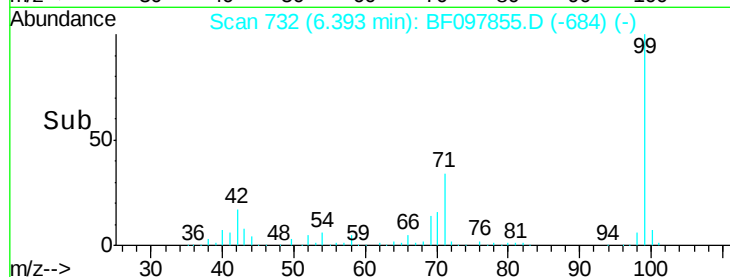
71 34.4 24.5 36.7



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



#19

n-Nitroso-di-n-propylamine

Concen: 5.27 ng

RT: 7.33 min Scan# 891

Delta R.T. 0.12 min

Lab File: BF097855.D

Acq: 19 Aug 2017 1:47

Tgt Ion: 70 Resp: 35406

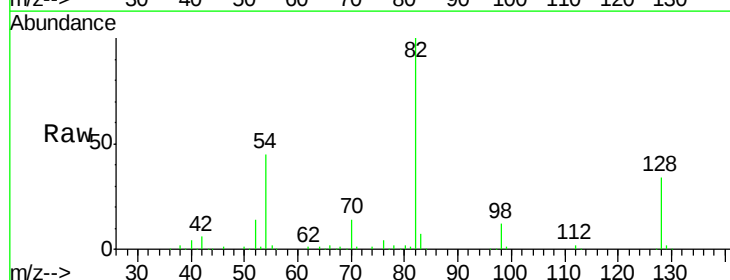
Ion Ratio Lower Upper

70 100

42 41.8 47.2 70.8#

101 0.0 7.2 10.8#

130 1.7 15.9 23.9#

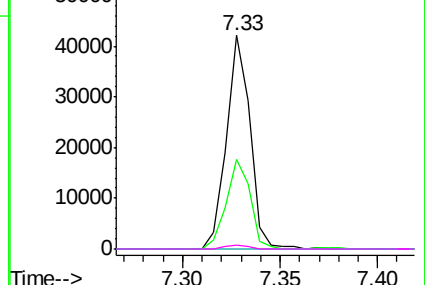
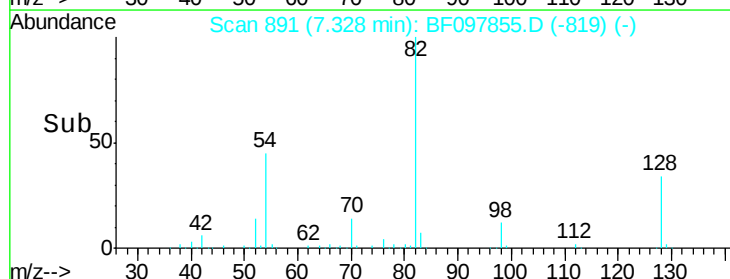


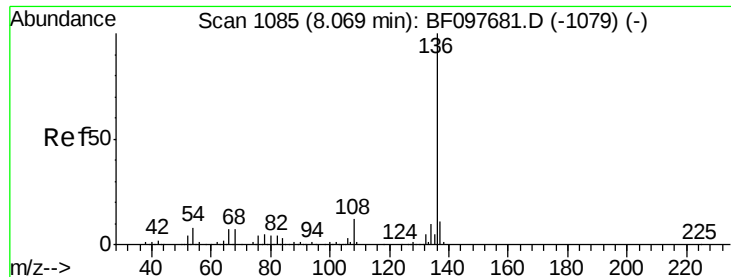
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.05 min Scan# 1014

Delta R.T. -0.02 min

Lab File: BF097855.D

Acq: 19 Aug 2017 1:47

Instrument :

BNA\_F

ClientSampleId :

RUSB-01RE

Tot Ion:136 Resp: 442636

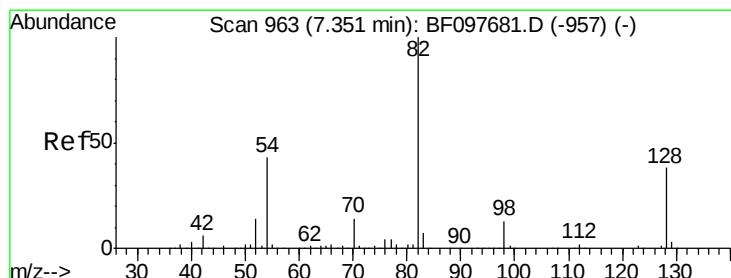
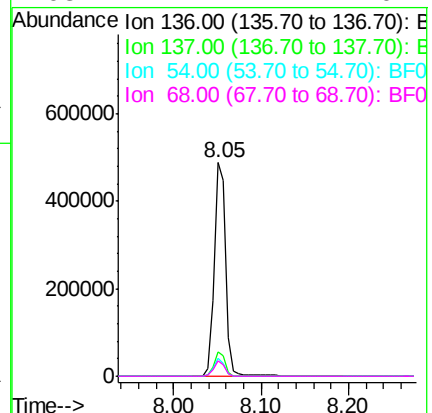
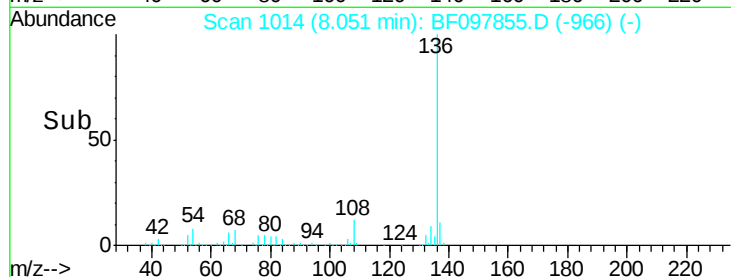
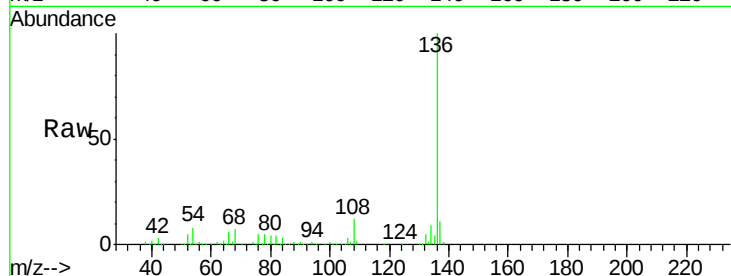
Ion Ratio Lower Upper

136 100

137 11.1 8.5 12.7

54 8.5 4.9 7.3#

68 7.4 4.1 6.1#



#23

Nitrobenzene-d5

Concen: 32.14 ng

RT: 7.33 min Scan# 891

Delta R.T. -0.02 min

Lab File: BF097855.D

Acq: 19 Aug 2017 1:47

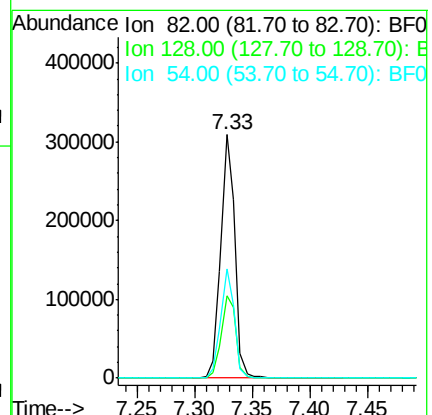
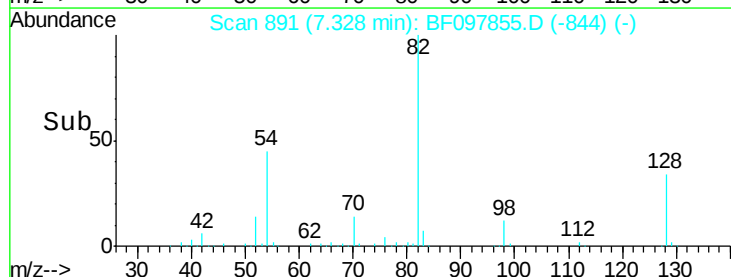
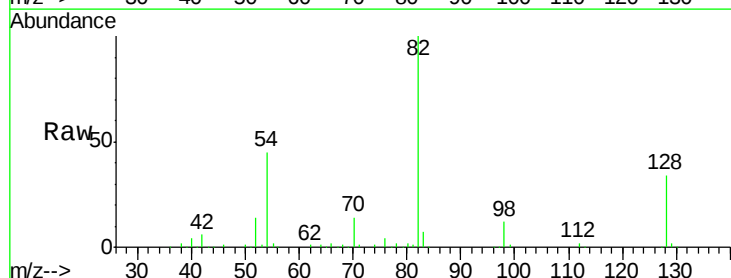
Tgt Ion: 82 Resp: 261885

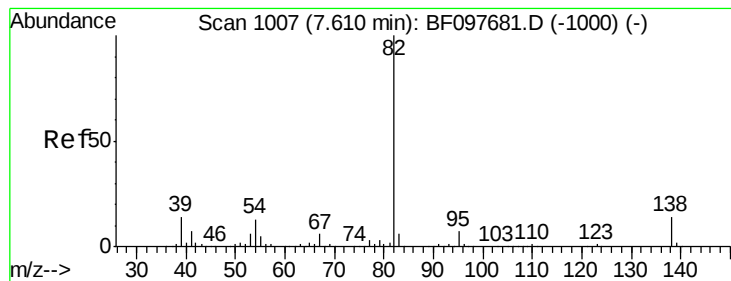
Ion Ratio Lower Upper

82 100

128 33.9 34.0 51.0#

54 45.0 42.2 63.2





#25

Isophorone

Concen: 15.46 ng

RT: 7.33 min Scan# 891

Delta R.T. -0.28 min

Lab File: BF097855.D

Acq: 19 Aug 2017 1:47

Instrument :

BNA\_F

ClientSampleId :

RUSB-01RE

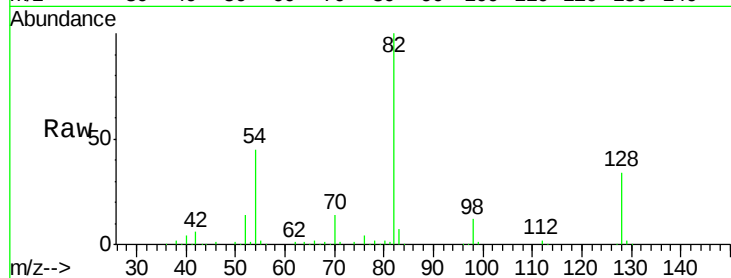
Tot Ion: 82 Resp: 261881

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

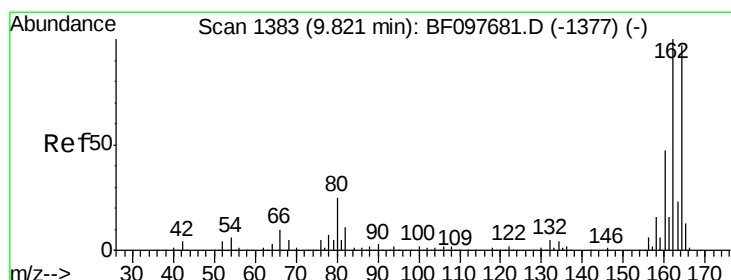
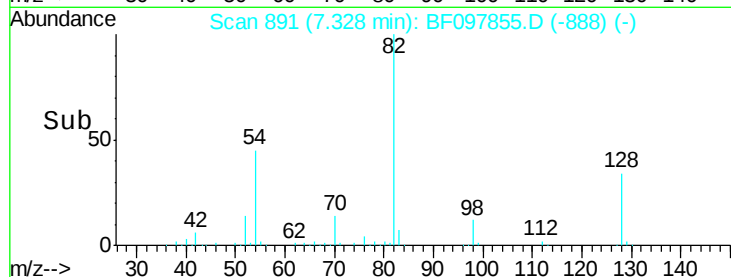
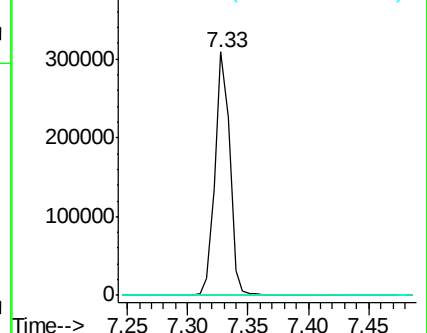
138 0.0 13.1 19.7#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.80 min Scan# 1312

Delta R.T. -0.02 min

Lab File: BF097855.D

Acq: 19 Aug 2017 1:47

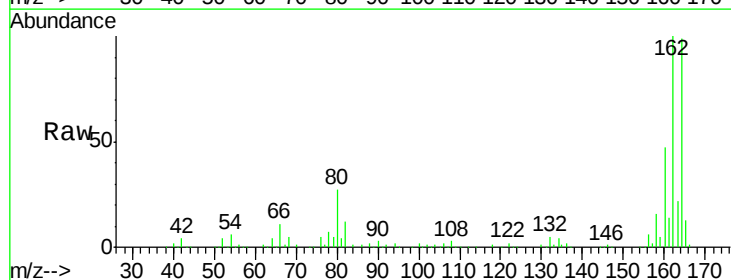
Tgt Ion: 164 Resp: 199066

Ion Ratio Lower Upper

164 100

162 101.5 82.6 123.8

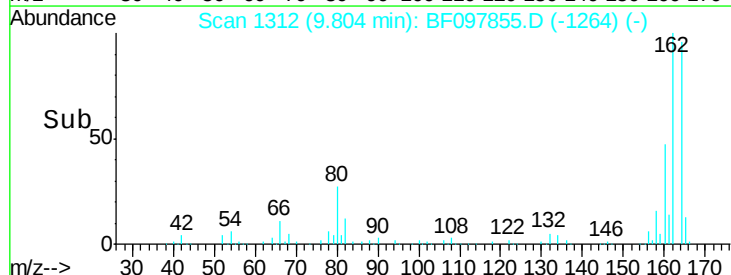
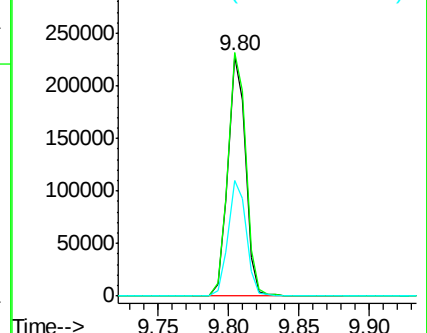
160 48.0 36.2 54.2

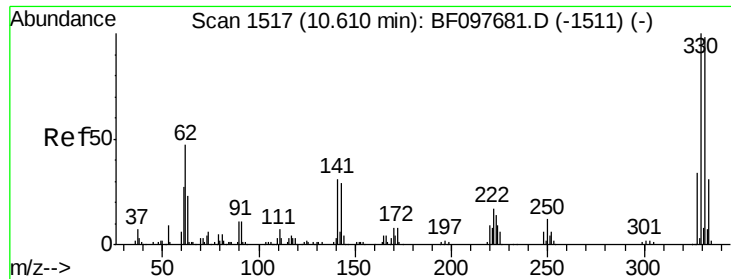


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

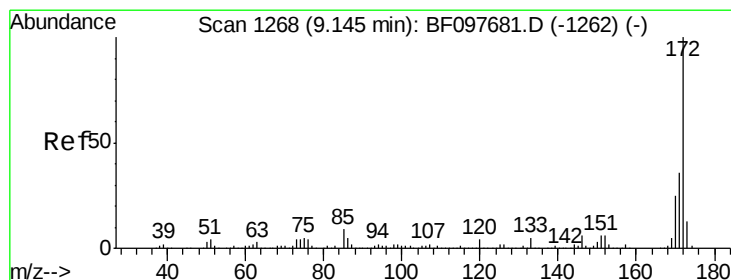
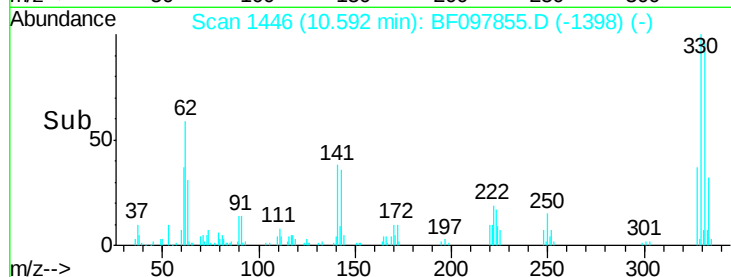
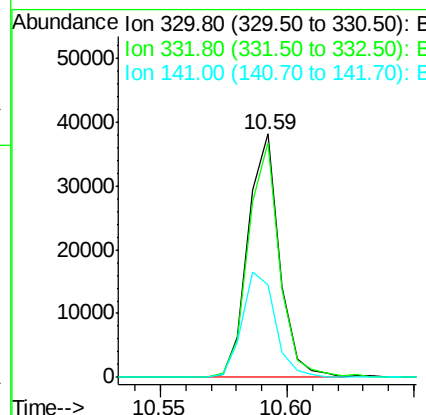
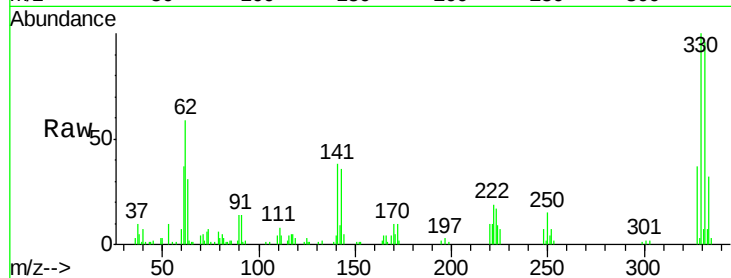




#41  
 2,4,6-Tribromophenol  
 Concen: 18.97 ng  
 RT: 10.59 min Scan# 1446  
 Delta R.T. -0.02 min  
 Lab File: BF097855.D  
 Acq: 19 Aug 2017 1:47

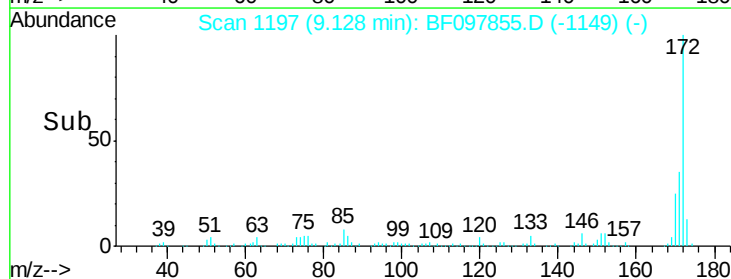
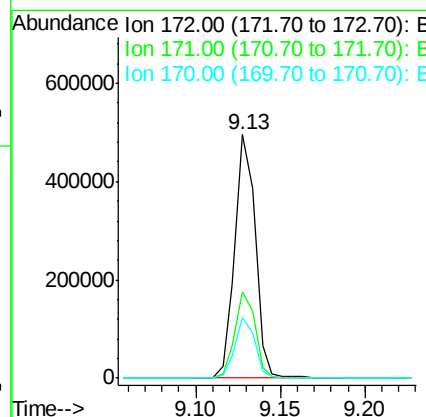
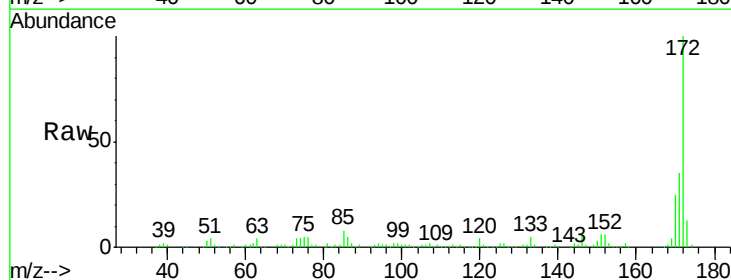
Instrument :  
 BNA\_F  
 ClientSampleId :  
 RUSB-01RE

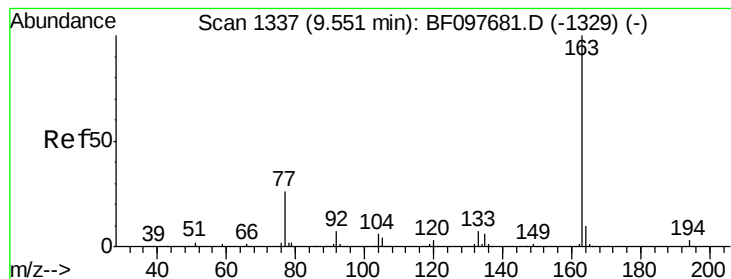
Tot Ion:330 Resp: 32770  
 Ion Ratio Lower Upper  
 330 100  
 332 96.8 76.6 115.0  
 141 45.7 31.4 47.2



#44  
 2-Fluorobiphenyl  
 Concen: 30.96 ng  
 RT: 9.13 min Scan# 1197  
 Delta R.T. -0.02 min  
 Lab File: BF097855.D  
 Acq: 19 Aug 2017 1:47

Tgt Ion:172 Resp: 419475  
 Ion Ratio Lower Upper  
 172 100  
 171 35.3 29.6 44.4  
 170 24.7 19.8 29.8





#49

Dimethylphthalate

Concen: 3.09 ng

RT: 9.52 min Scan# 1264

Delta R.T. -0.03 min

Lab File: BF097855.D

Acq: 19 Aug 2017 1:47

Instrument :

BNA\_F

ClientSampleId :

RUSB-01RE

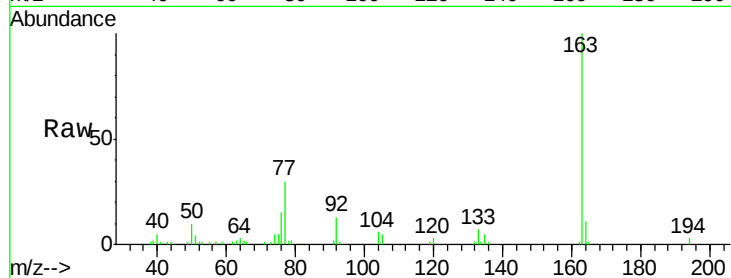
Tot Ion:163 Resp: 45003

Ion Ratio Lower Upper

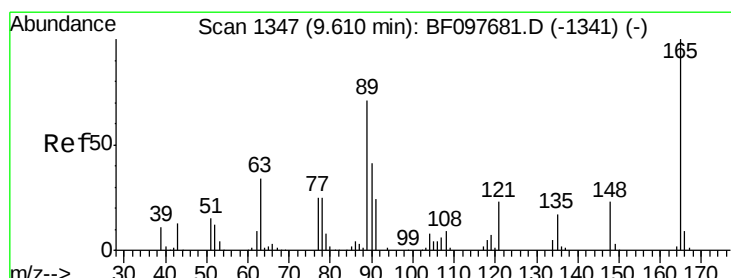
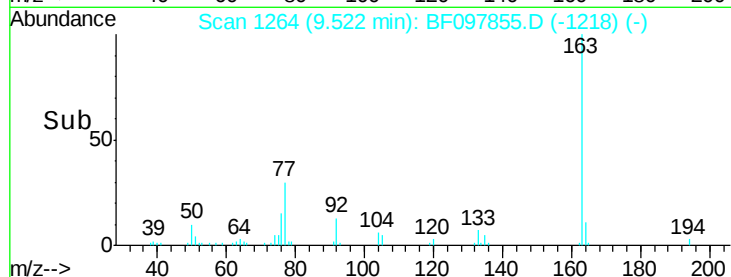
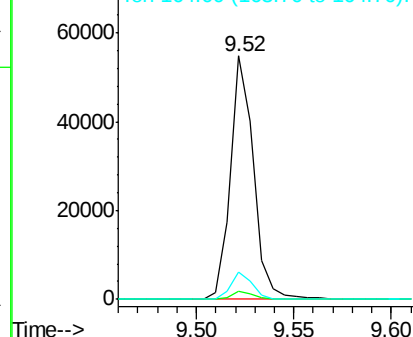
163 100

194 3.2 2.6 4.0

164 11.0 8.4 12.6



Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 8.56 ng

RT: 9.80 min Scan# 1312

Delta R.T. 0.19 min

Lab File: BF097855.D

Acq: 19 Aug 2017 1:47

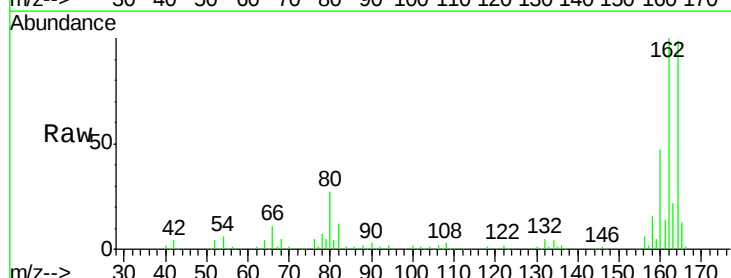
Tgt Ion:165 Resp: 24873

Ion Ratio Lower Upper

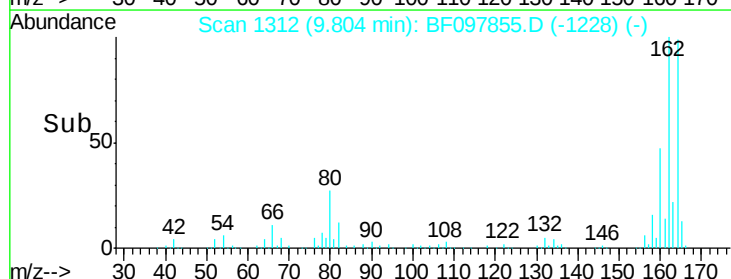
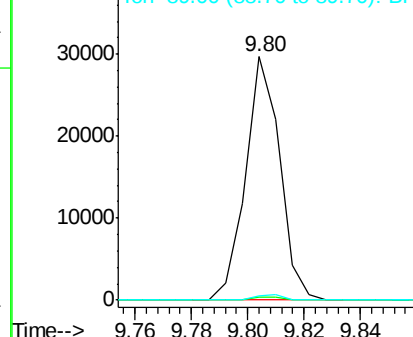
165 100

63 1.4 34.3 51.5#

89 1.9 37.1 55.7#



Abundance Ion 165.00 (164.70 to 165.70): E  
Ion 63.00 (62.70 to 63.70): BF0  
Ion 89.00 (88.70 to 89.70): BF0

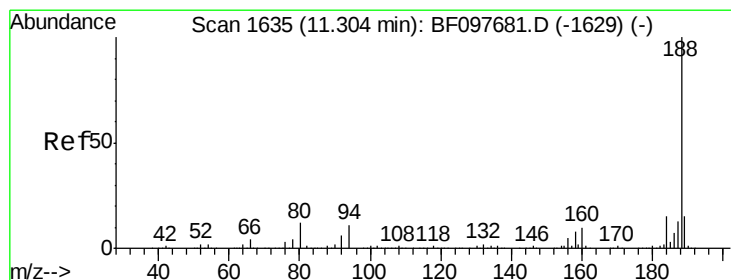
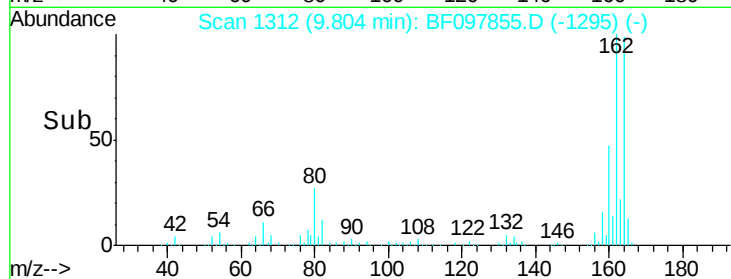
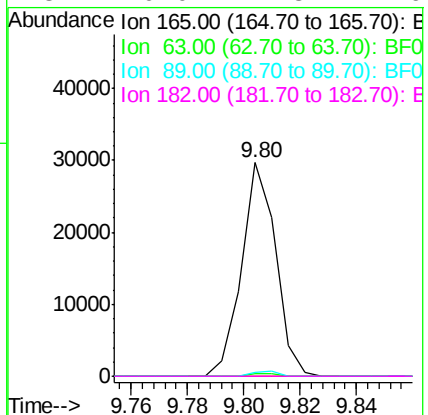
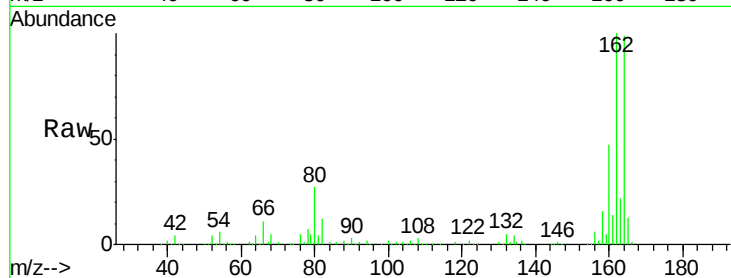




#56  
 2,4-Dinitrotoluene  
 Concen: 6.82 ng  
 RT: 9.80 min Scan# 1312  
 Delta R.T. -0.20 min  
 Lab File: BF097855.D  
 Acq: 19 Aug 2017 1:47

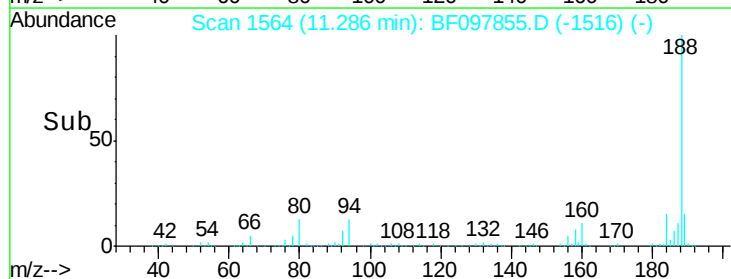
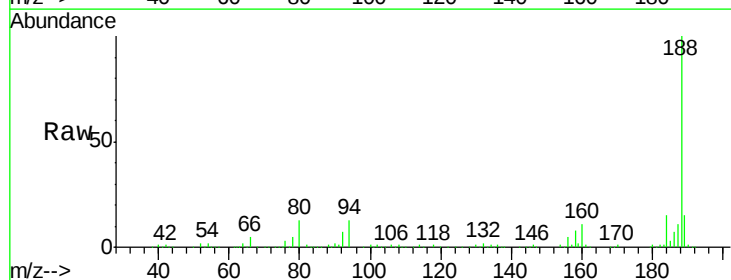
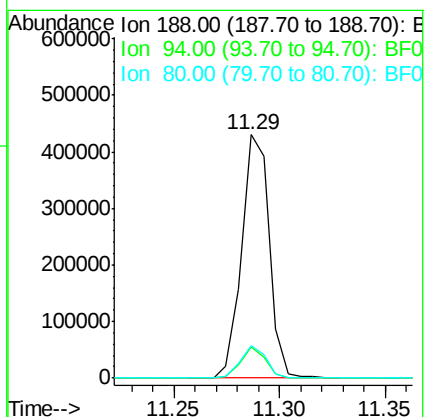
Instrument :  
 BNA\_F  
 ClientSampleId :  
 RUSB-01RE

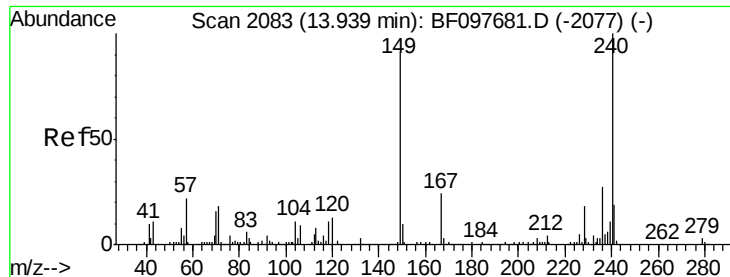
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.4   | 25.4  | 38.0# |
| 89      | 1.9   | 46.4  | 69.6# |
| 182     | 0.0   | 1.8   | 2.6#  |



#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 11.29 min Scan# 1564  
 Delta R.T. -0.02 min  
 Lab File: BF097855.D  
 Acq: 19 Aug 2017 1:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 12.7  | 9.4   | 14.2  |
| 80      | 13.4  | 10.2  | 15.2  |





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.92 min Scan# 2012

Delta R.T. -0.02 min

Lab File: BF097855.D

Acq: 19 Aug 2017 1:47

Instrument :

BNA\_F

ClientSampleId :

RUSB-01RE

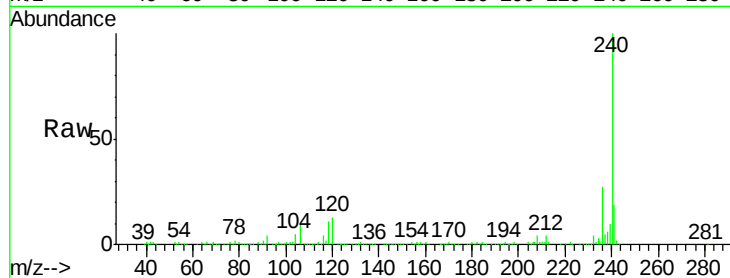
Tot Ion:240 Resp: 292483

Ion Ratio Lower Upper

240 100

120 13.0 5.8 8.8#

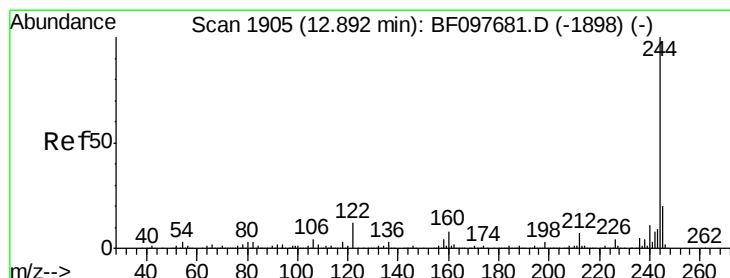
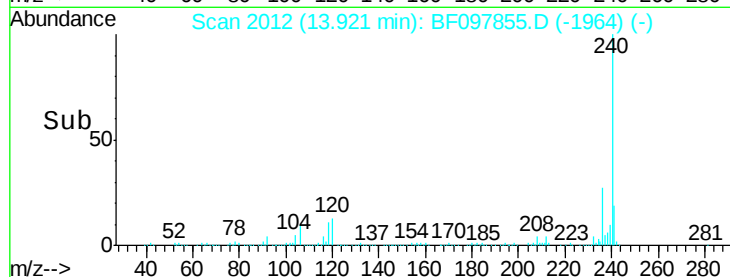
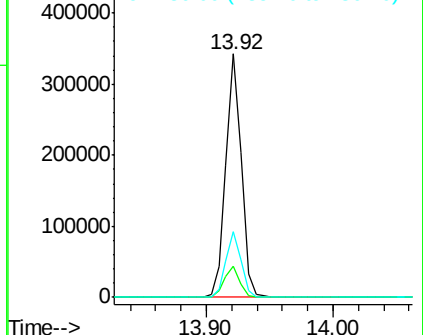
236 26.8 20.5 30.7



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: 26.98 ng

RT: 12.87 min Scan# 1834

Delta R.T. -0.02 min

Lab File: BF097855.D

Acq: 19 Aug 2017 1:47

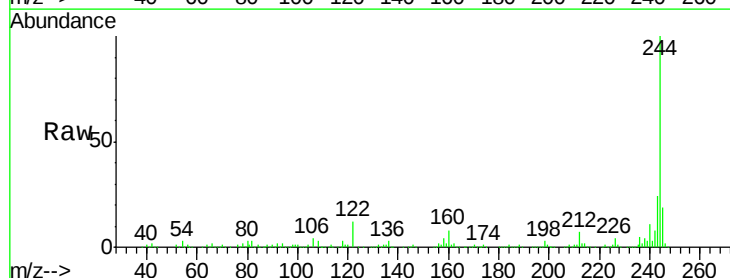
Tgt Ion:244 Resp: 378417

Ion Ratio Lower Upper

244 100

212 7.4 6.0 9.0

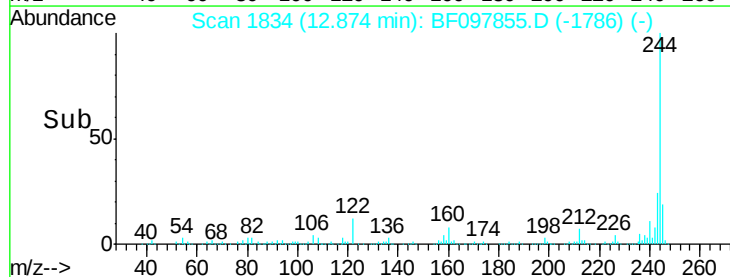
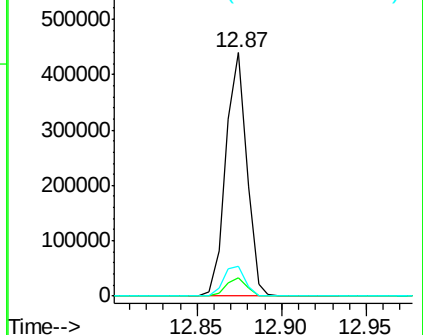
122 12.5 10.3 15.5

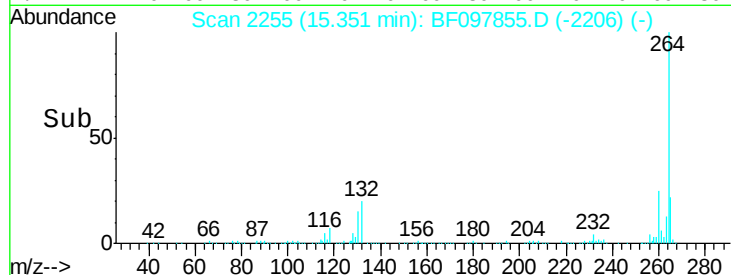
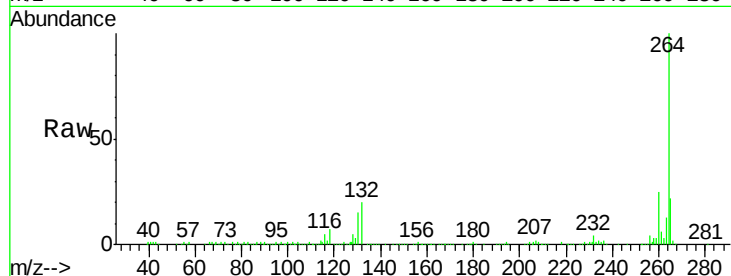
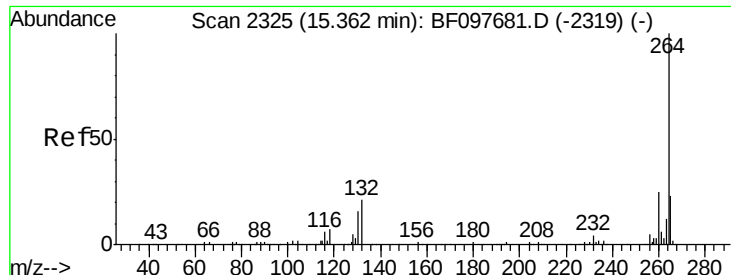


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86  
 Pervlene-d12  
 Concen: 20.00 ng  
 RT: 15.35 min Scan# 2255  
 Delta R.T. -0.01 min  
 Lab File: BF097855.D  
 Acq: 19 Aug 2017 1:47

Instrument :  
 BNA\_F  
 ClientSampleId :  
 RUSB-01RE

|             |       |           |
|-------------|-------|-----------|
| Tot Ion:264 | Resp: | 256325    |
| Ion Ratio   | Lower | Upper     |
| 264         | 100   |           |
| 260         | 25.0  | 19.5 29.3 |
| 265         | 21.6  | 17.2 25.8 |

