

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071117\  
 Data File : BF096648.D  
 Acq On : 11 Jul 2017 17:01  
 Operator : SJ/JU  
 Sample : PB100554BL  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB100554BL

Quant Time: Jul 11 18:14:22 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF070117.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jul 07 13:02:33 2017  
 Response via : Initial Calibration

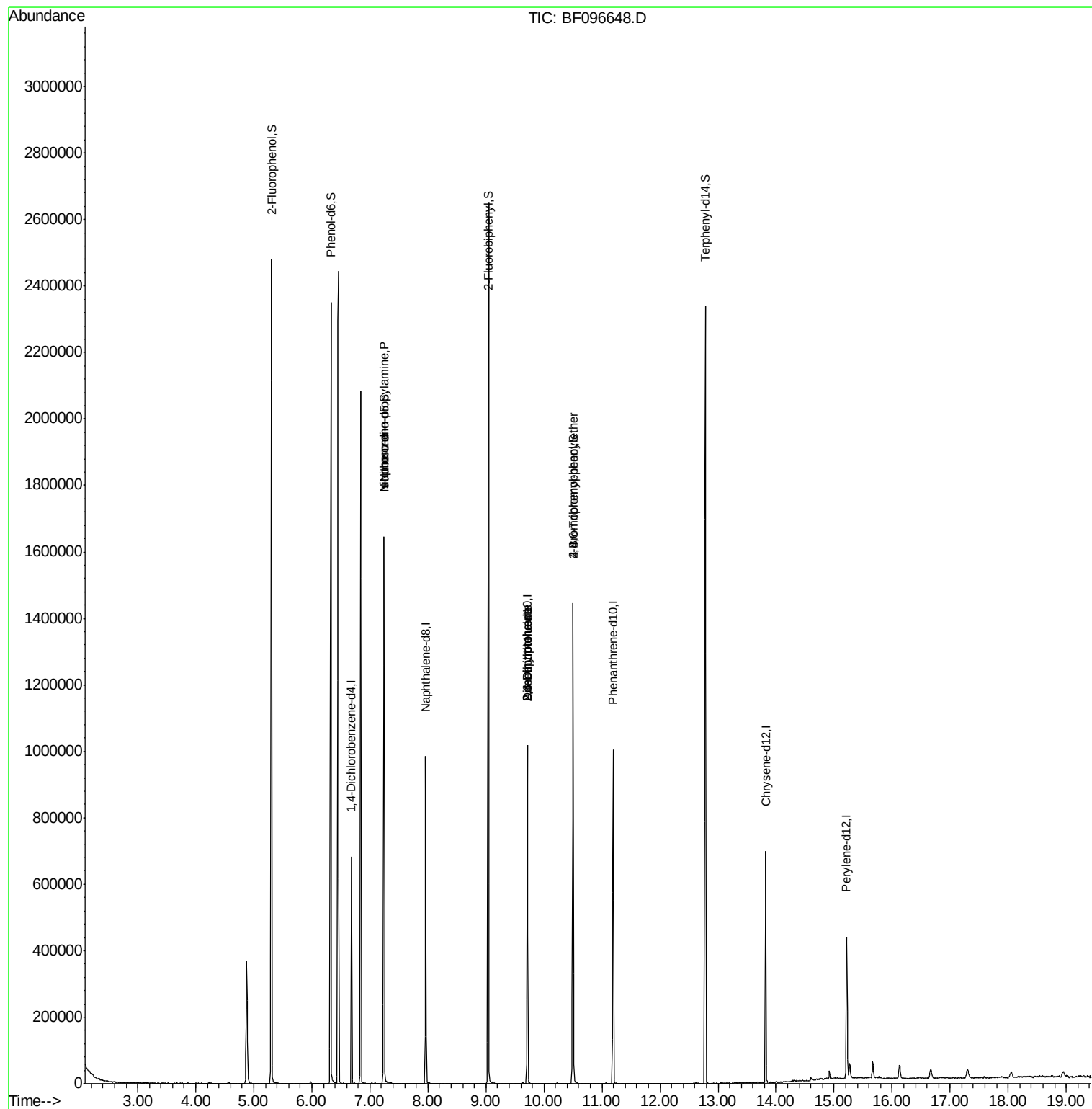
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.68  | 152  | 98634    | 20.00  | ng    | -0.02    |
| 21) Naphthalene-d8             | 7.96  | 136  | 458834   | 20.00  | ng    | -0.02    |
| 38) Acenaphthene-d10           | 9.72  | 164  | 198429   | 20.00  | ng    | -0.02    |
| 63) Phenanthrene-d10           | 11.19 | 188  | 332513   | 20.00  | ng    | -0.02    |
| 75) Chrysene-d12               | 13.82 | 240  | 228572   | 20.00  | ng    | -0.02    |
| 86) Perylene-d12               | 15.22 | 264  | 179960   | 20.00  | ng    | -0.03    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.30  | 112  | 695920   | 104.14 | ng    | 0.00     |
| 7) Phenol-d6                   | 6.33  | 99   | 836443   | 101.81 | ng    | -0.02    |
| 23) Nitrobenzene-d5            | 7.25  | 82   | 496326   | 65.00  | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol       | 10.50 | 330  | 178364   | 115.08 | ng    | -0.02    |
| 44) 2-Fluorobiphenyl           | 9.05  | 172  | 951781   | 82.01  | ng    | -0.02    |
| 78) Terphenyl-d14              | 12.78 | 244  | 728063   | 68.06  | ng    | -0.02    |
| Target Compounds               |       |      |          |        |       |          |
| 19) n-Nitroso-di-n-propylamine | 7.25  | 70   | 65744    | 13.433 | ng    | # 87     |
| 25) Isophorone                 | 7.25  | 82   | 494066   | 33.372 | ng    | # 67     |
| 49) Dimethylphthalate          | 9.72  | 163  | 57954    | 3.912  | ng    | # 1      |
| 50) 2,6-Dinitrotoluene         | 9.72  | 165  | 24297    | 7.417  | ng    | # 34     |
| 56) 2,4-Dinitrotoluene         | 9.72  | 165  | 24297    | 5.857  | ng    | # 33     |
| 66) 4-Bromophenyl-phenylether  | 10.50 | 248  | 11222    | 3.467  | ng    | # 1      |

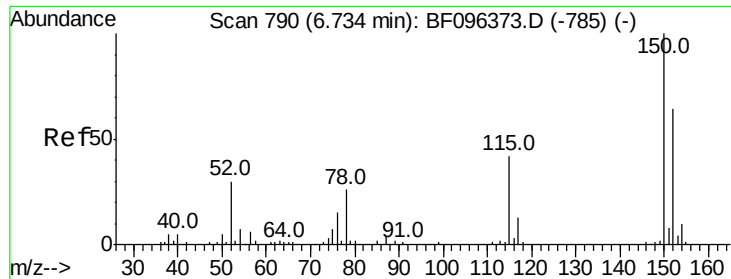
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :  
ALS Vial : 15 Sample Multiplier: 1

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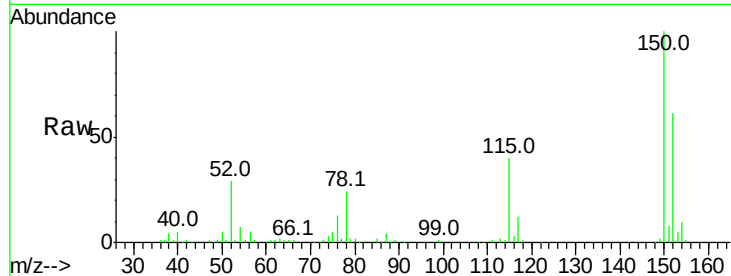


#1

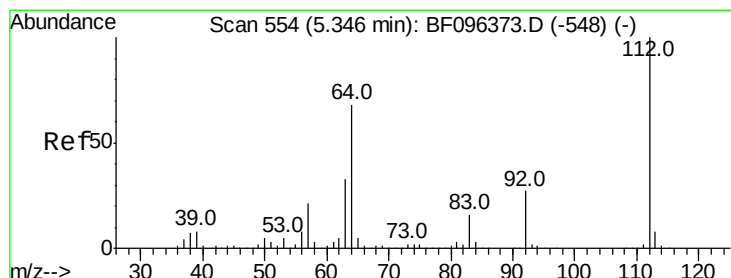
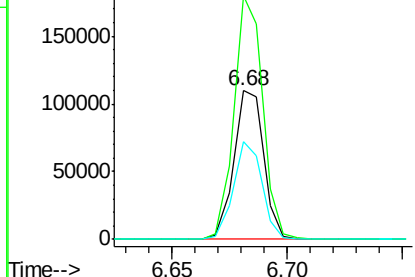
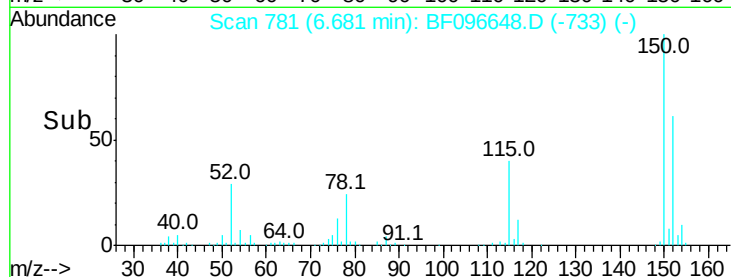
1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.68 min Scan# 781  
 Delta R.T. -0.02 min  
 Lab File: BF096648.D  
 Acq: 11 Jul 2017 17:01

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB100554BL

Tot Ion:152 Resp: 98634  
 Ion Ratio Lower Upper  
 152 100  
 150 164.0 126.2 189.2  
 115 66.0 52.2 78.2



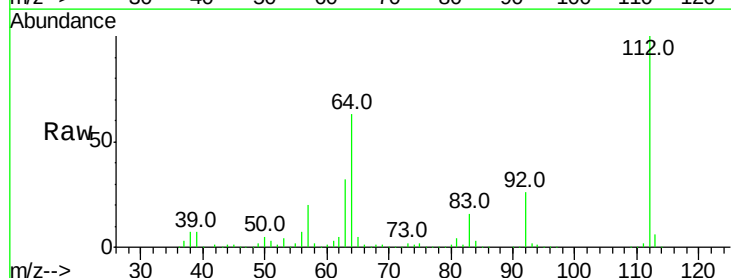
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



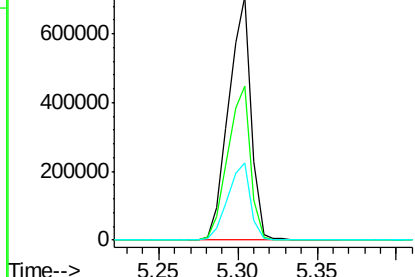
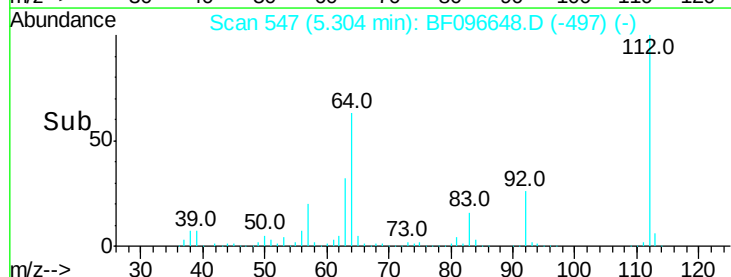
#5

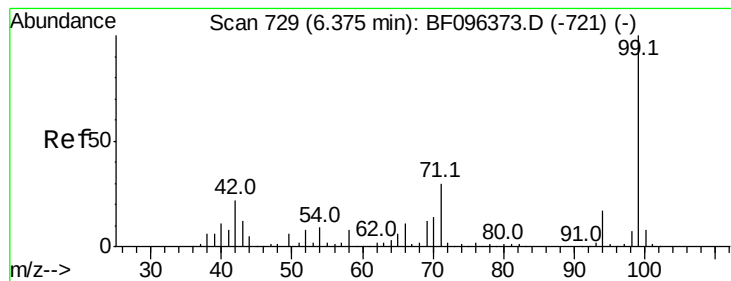
2-Fluorophenol  
 Concen: 104.138 ng  
 RT: 5.30 min Scan# 547  
 Delta R.T. -0.01 min  
 Lab File: BF096648.D  
 Acq: 11 Jul 2017 17:01

Tgt Ion:112 Resp: 695920  
 Ion Ratio Lower Upper  
 112 100  
 64 63.3 46.0 69.0  
 63 31.6 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: 101.814 ng

RT: 6.33 min Scan# 721

Delta R.T. -0.02 min

Lab File: BF096648.D

Acq: 11 Jul 2017 17:01

Instrument :

BNA\_F

ClientSampleId :

PB100554BL

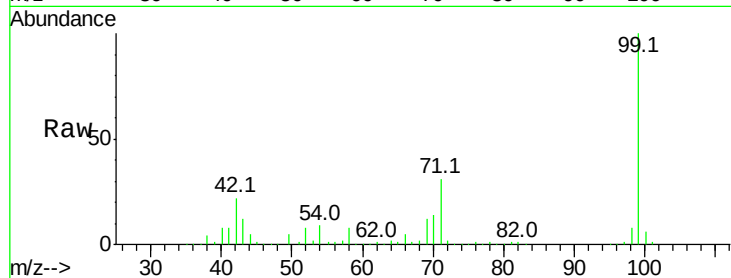
Tot Ion: 99 Resp: 836443

Ion Ratio Lower Upper

99 100

42 21.9 13.5 20.3#

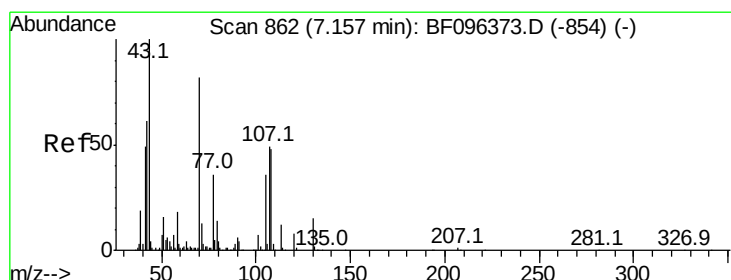
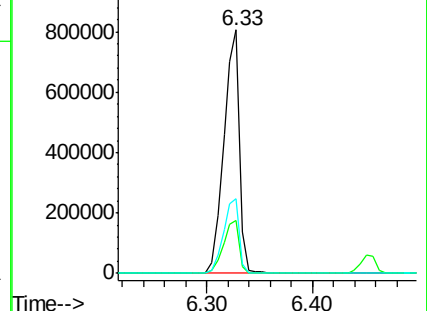
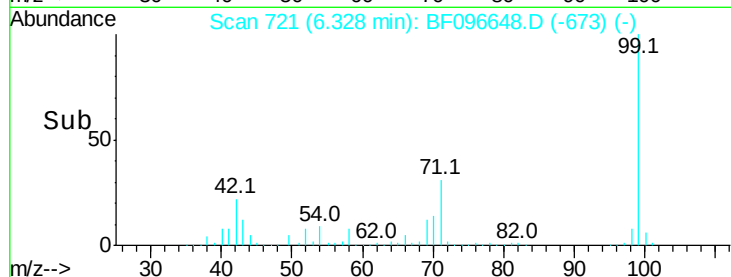
71 30.9 24.5 36.7



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: 13.433 ng

RT: 7.25 min Scan# 877

Delta R.T. 0.12 min

Lab File: BF096648.D

Acq: 11 Jul 2017 17:01

Tgt Ion: 70 Resp: 65744

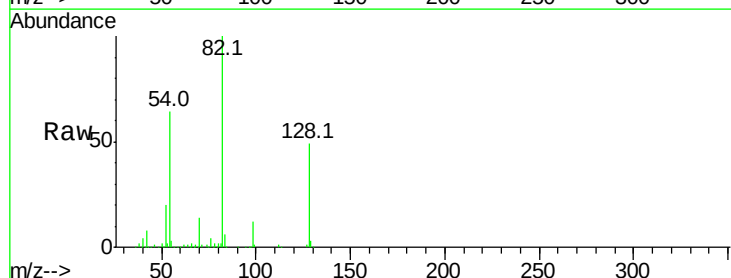
Ion Ratio Lower Upper

70 100

42 57.4 47.2 70.8

101 0.0 7.2 10.8#

130 2.5 15.9 23.9#

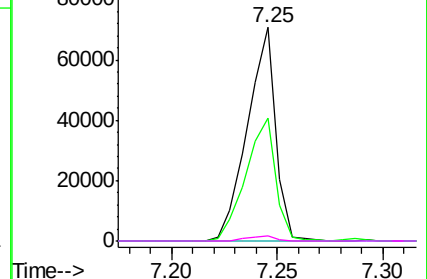
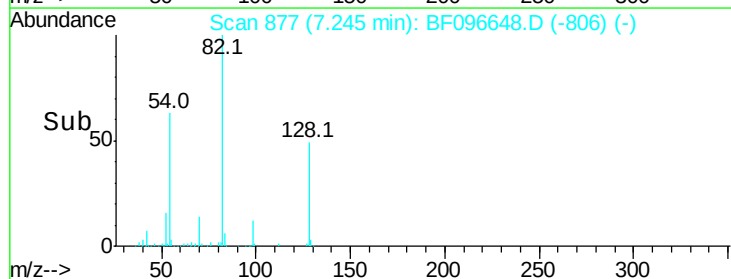


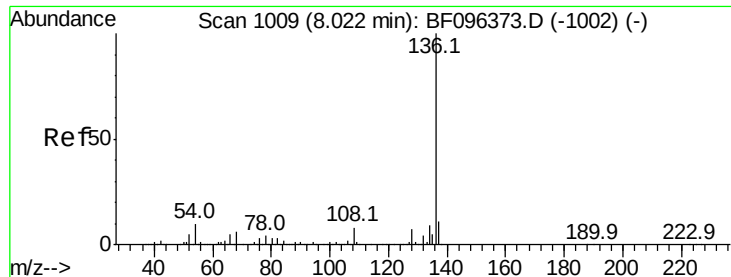
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

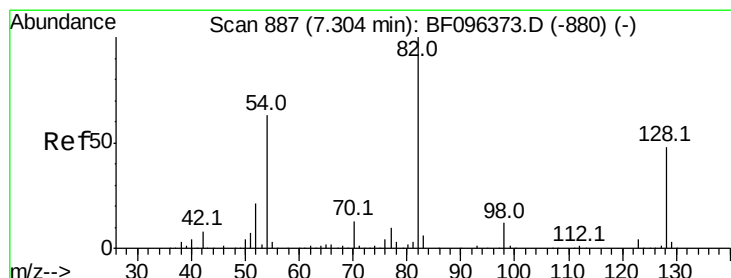
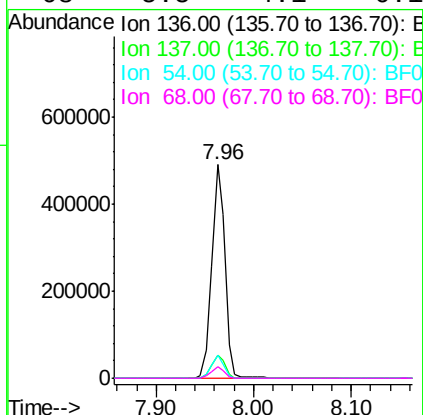
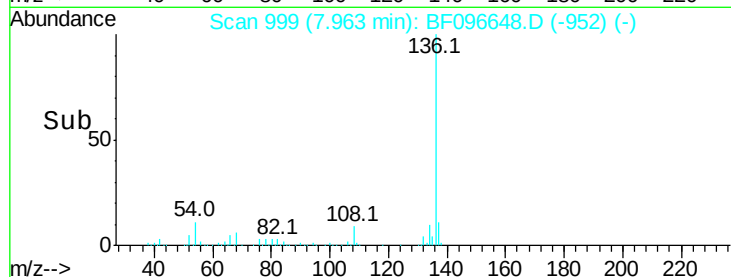
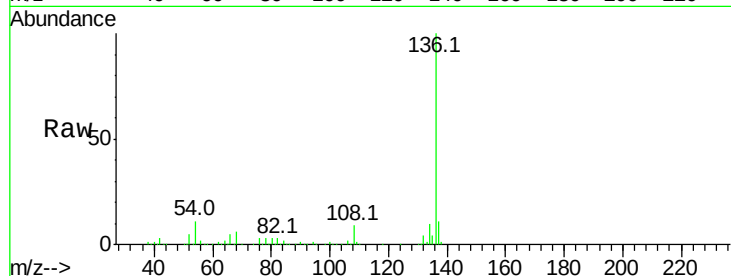




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 7.96 min Scan# 999  
Delta R.T. -0.02 min  
Lab File: BF096648.D  
Acq: 11 Jul 2017 17:01

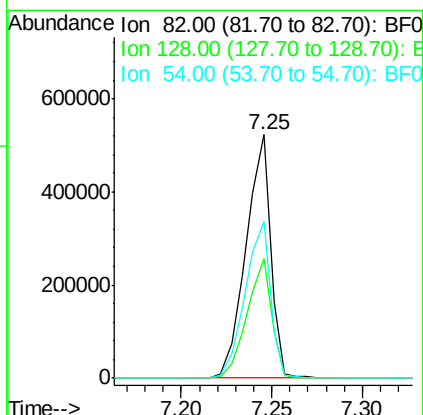
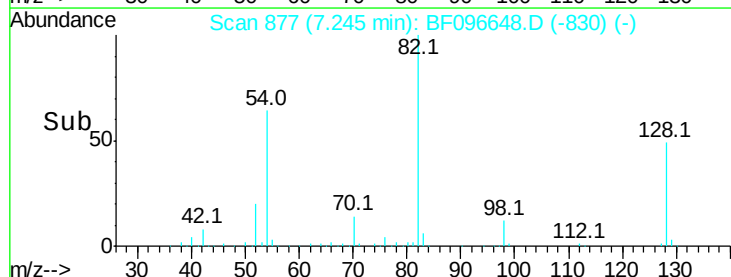
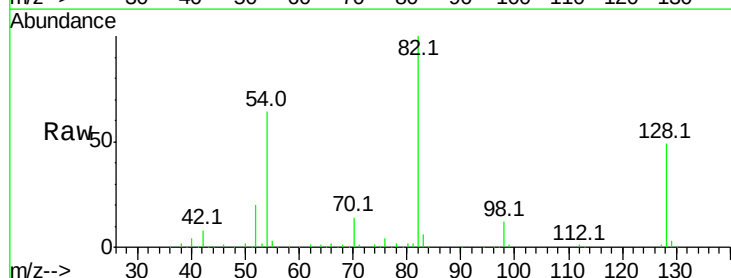
Instrument :  
BNA\_F  
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PB100554BL

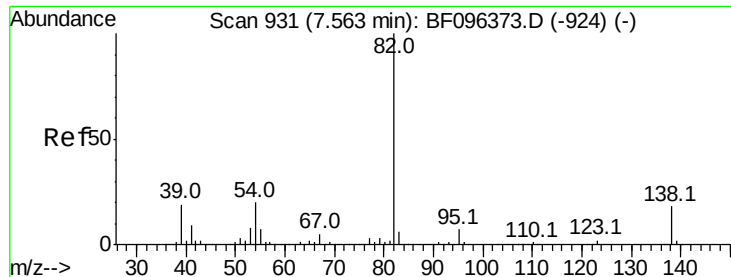
Tot Ion:136 Resp: 458834  
Ion Ratio Lower Upper  
136 100  
137 11.1 8.5 12.7  
54 11.0 4.9 7.3#  
68 5.5 4.1 6.1



#23  
Nitrobenzene-d5  
Concen: 65.001 ng  
RT: 7.25 min Scan# 877  
Delta R.T. -0.02 min  
Lab File: BF096648.D  
Acq: 11 Jul 2017 17:01

Tgt Ion: 82 Resp: 496326  
Ion Ratio Lower Upper  
82 100  
128 49.1 34.0 51.0  
54 64.3 42.2 63.2#





#25

Isophorone

Concen: 33.372 ng

RT: 7.25 min Scan# 877

Delta R.T. -0.28 min

Lab File: BF096648.D

Acq: 11 Jul 2017 17:01

Instrument :

BNA\_F

ClientSampleId :

PB100554BL

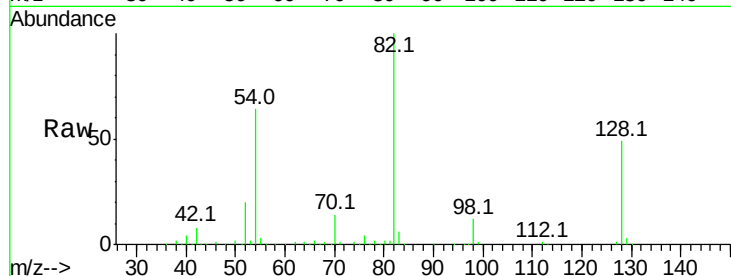
Tot Ion: 82 Resp: 494066

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

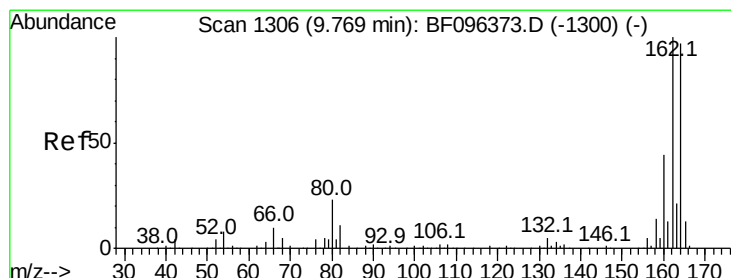
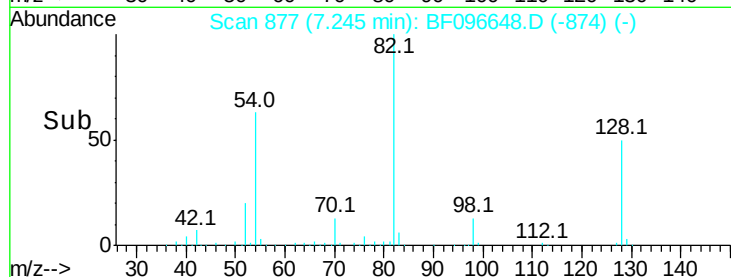
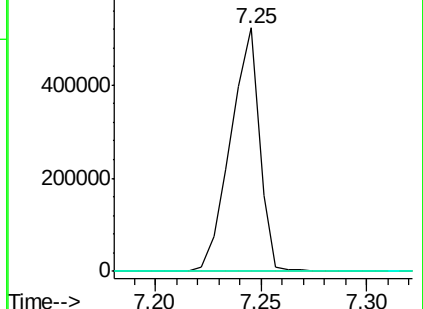
138 0.0 13.1 19.7#



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): BF0



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.72 min Scan# 1297

Delta R.T. -0.02 min

Lab File: BF096648.D

Acq: 11 Jul 2017 17:01

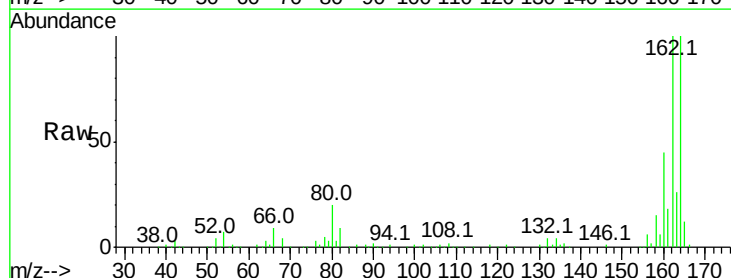
Tgt Ion:164 Resp: 198429

Ion Ratio Lower Upper

164 100

162 100.2 82.6 123.8

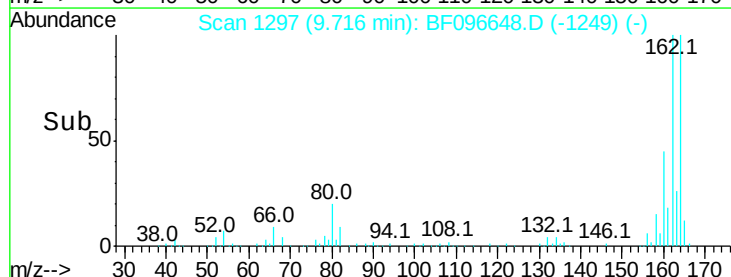
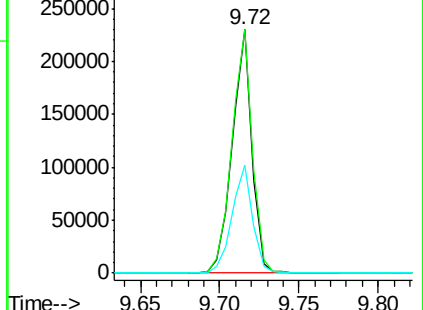
160 44.6 36.2 54.2

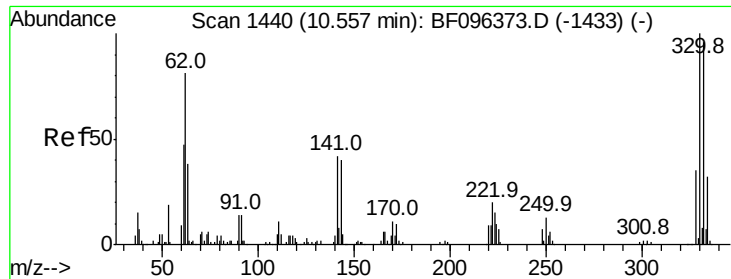


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

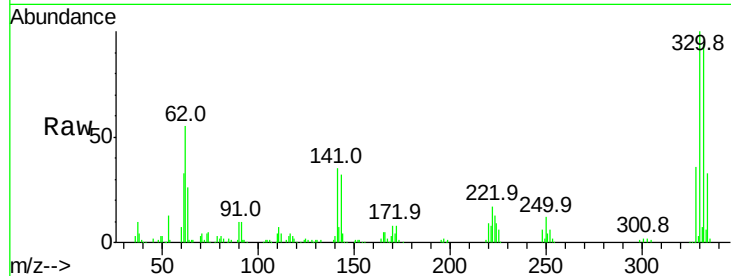




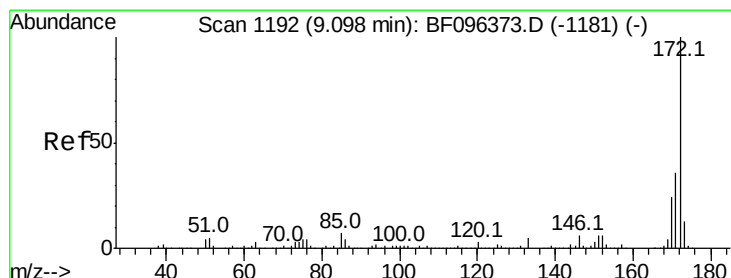
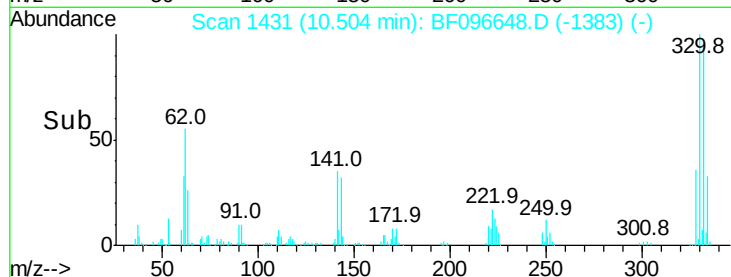
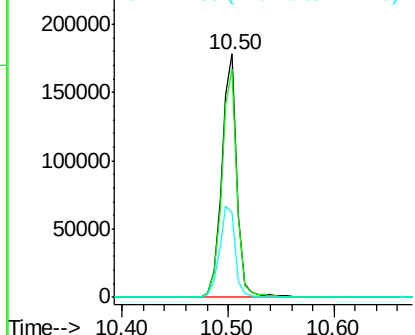
#41  
 2,4,6-Tribromophenol  
 Concen: 115.075 ng  
 RT: 10.50 min Scan# 1431  
 Delta R.T. -0.02 min  
 Lab File: BF096648.D  
 Acq: 11 Jul 2017 17:01

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB100554BL

Tot Ion:330 Resp: 178364  
 Ion Ratio Lower Upper  
 330 100  
 332 94.7 76.6 115.0  
 141 39.5 31.4 47.2

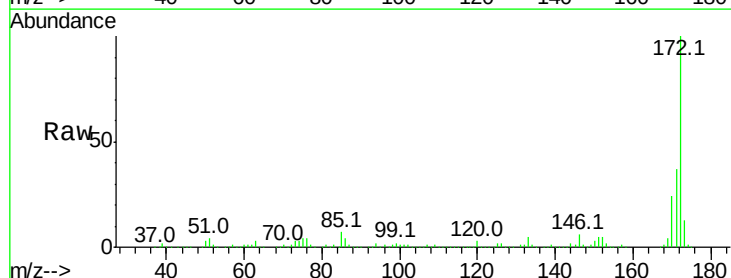


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

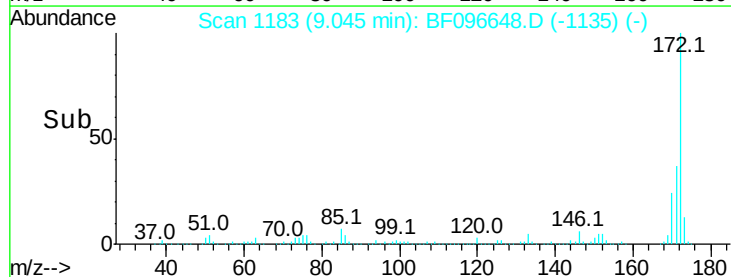
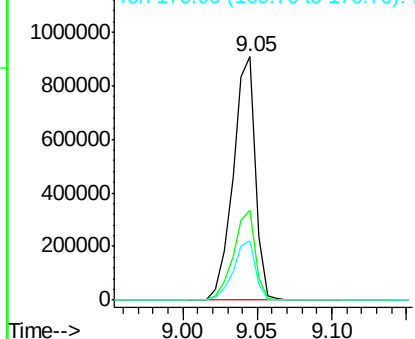


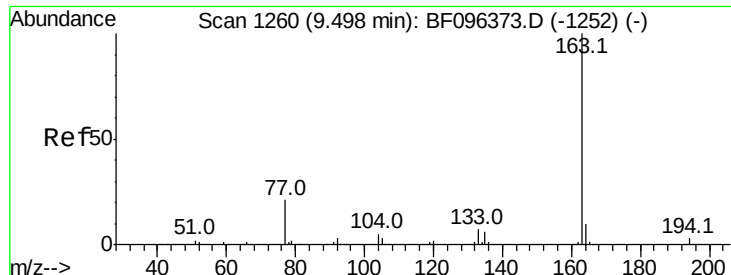
#44  
 2-Fluorobiphenyl  
 Concen: 82.011 ng  
 RT: 9.05 min Scan# 1183  
 Delta R.T. -0.02 min  
 Lab File: BF096648.D  
 Acq: 11 Jul 2017 17:01

Tgt Ion:172 Resp: 951781  
 Ion Ratio Lower Upper  
 172 100  
 171 37.0 29.6 44.4  
 170 24.3 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





#49

Dimethylphthalate

Concen: 3.912 ng

RT: 9.72 min Scan# 1297

Delta R.T. 0.25 min

Lab File: BF096648.D

Acq: 11 Jul 2017 17:01

Instrument :

BNA\_F

ClientSampleId :

PB100554BL

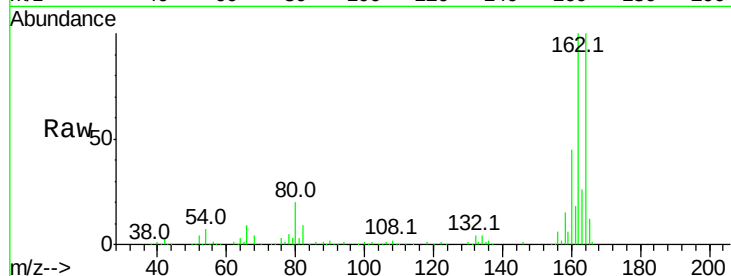
Tot Ion:163 Resp: 57954

Ion Ratio Lower Upper

163 100

194 0.0 2.6 4.0#

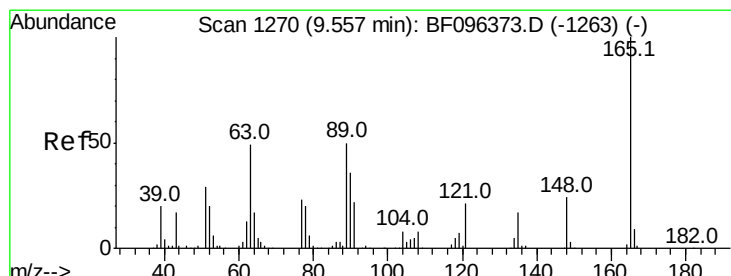
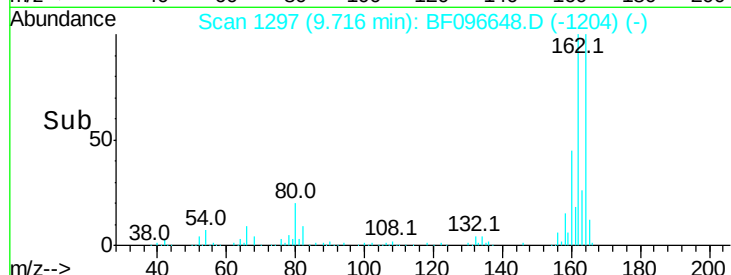
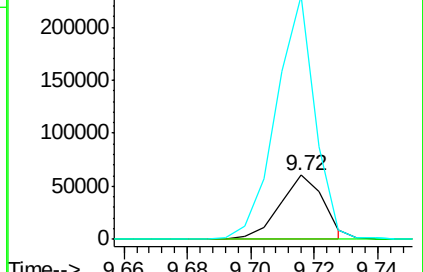
164 379.2 8.4 12.6#



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: 7.417 ng

RT: 9.72 min Scan# 1297

Delta R.T. 0.19 min

Lab File: BF096648.D

Acq: 11 Jul 2017 17:01

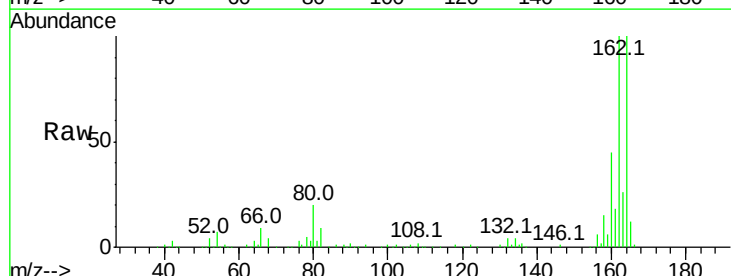
Tgt Ion:165 Resp: 24297

Ion Ratio Lower Upper

165 100

63 1.6 34.3 51.5#

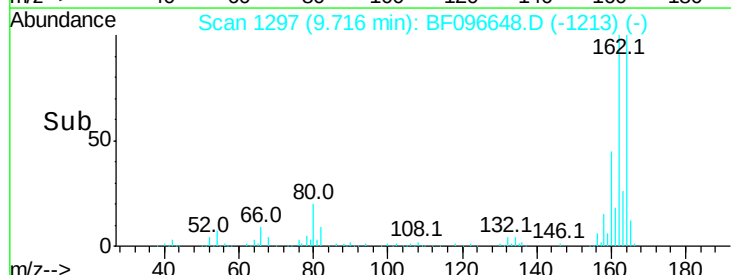
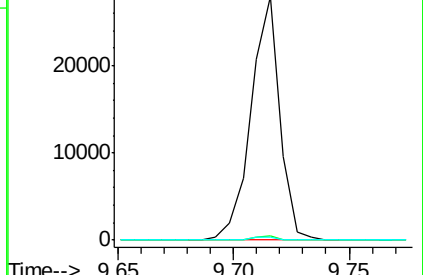
89 1.2 37.1 55.7#



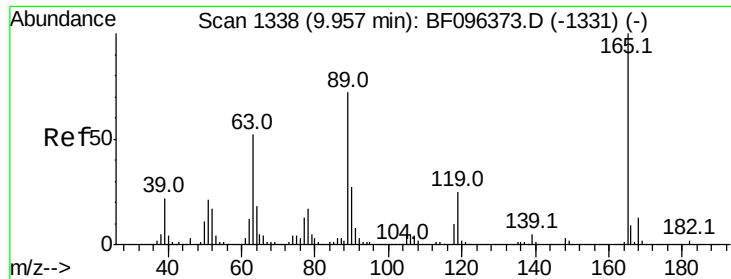
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0



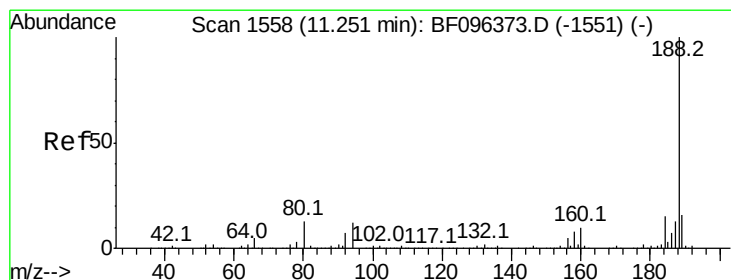
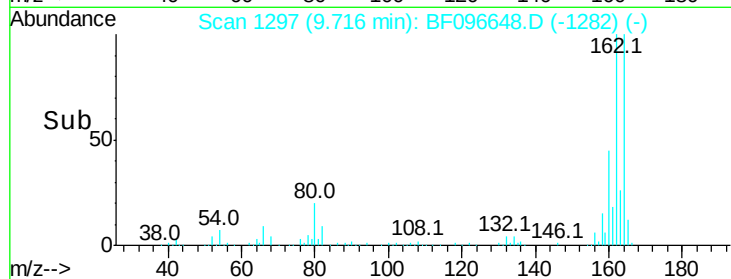
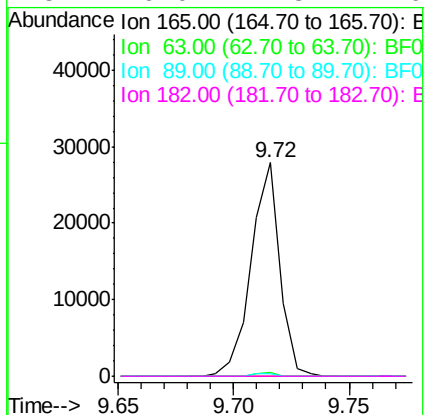
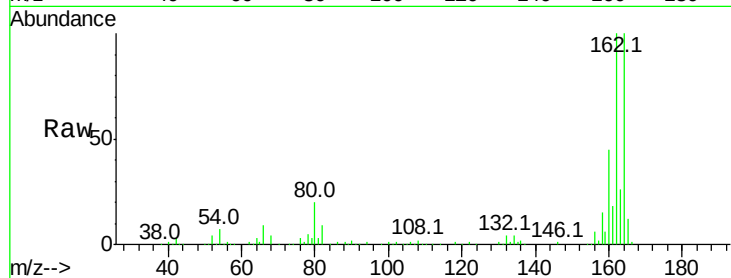




#56  
 2,4-Dinitrotoluene  
 Concen: 5.857 ng  
 RT: 9.72 min Scan# 1297  
 Delta R.T. -0.21 min  
 Lab File: BF096648.D  
 Acq: 11 Jul 2017 17:01

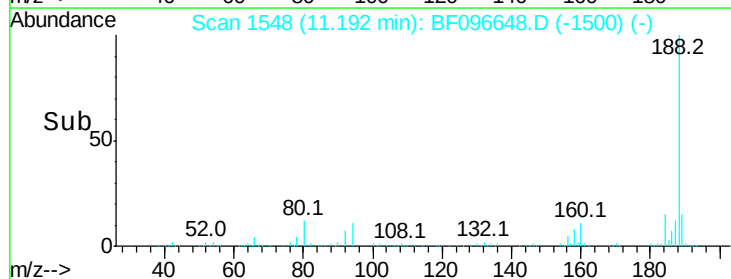
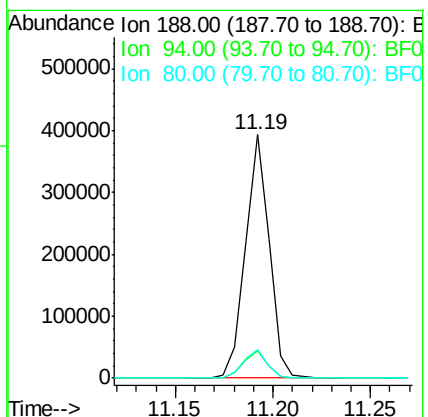
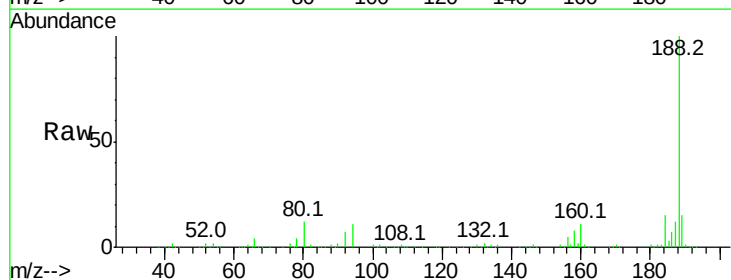
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB100554BL

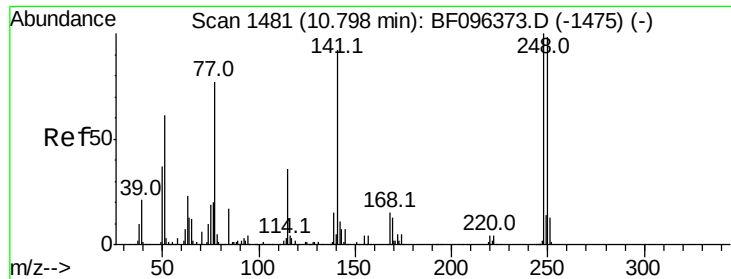
Tot Ion:165 Resp: 24297  
 Ion Ratio Lower Upper  
 165 100  
 63 1.6 25.4 38.0#  
 89 1.2 46.4 69.6#  
 182 0.0 1.8 2.6#



#63  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.19 min Scan# 1548  
 Delta R.T. -0.02 min  
 Lab File: BF096648.D  
 Acq: 11 Jul 2017 17:01

Tgt Ion:188 Resp: 332513  
 Ion Ratio Lower Upper  
 188 100  
 94 11.4 9.4 14.2  
 80 12.0 10.2 15.2

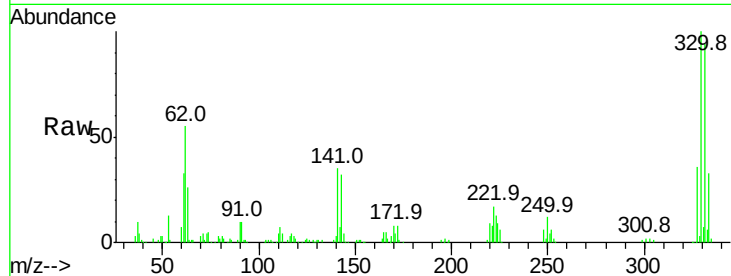




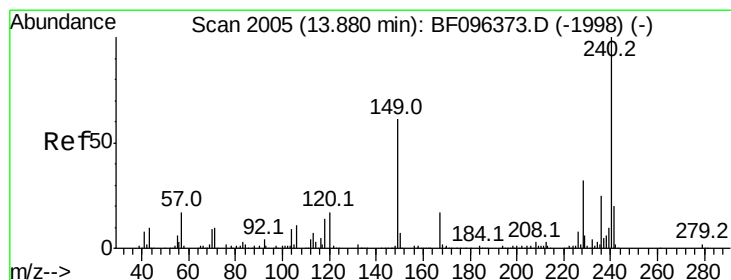
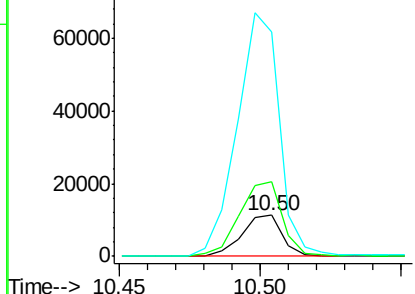
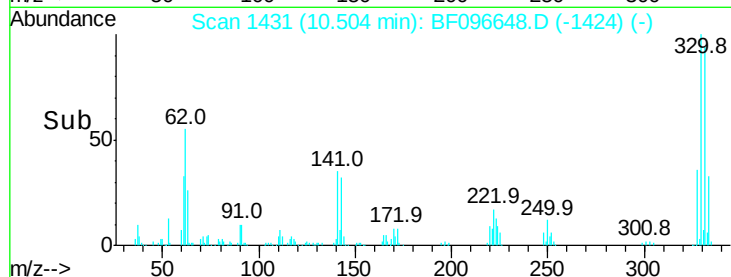
#66  
4-Bromophenyl-phenylether  
Concen: 3.467 ng  
RT: 10.50 min Scan# 1431  
Delta R.T. -0.26 min  
Lab File: BF096648.D  
Acq: 11 Jul 2017 17:01

Instrument :  
BNA\_F  
ClientSampleId :  
PB100554BL

Tot Ion:248 Resp: 11222  
Ion Ratio Lower Upper  
248 100  
250 181.6 76.8 115.2#  
141 544.4 68.6 103.0#

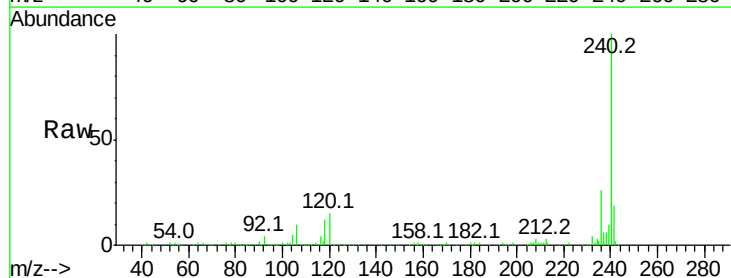


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

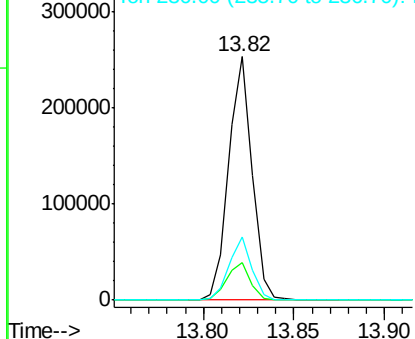
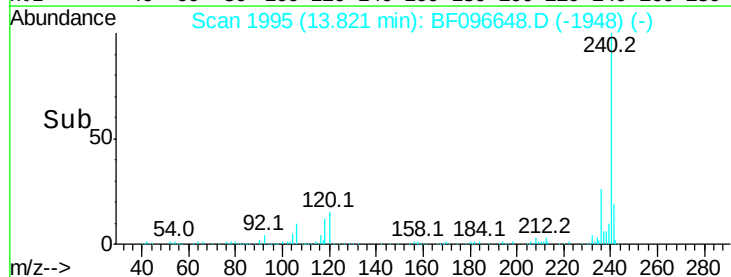


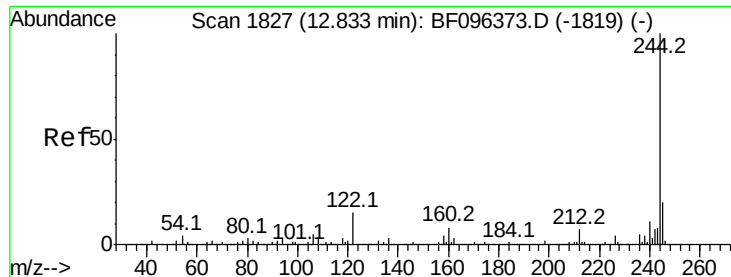
#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.82 min Scan# 1995  
Delta R.T. -0.02 min  
Lab File: BF096648.D  
Acq: 11 Jul 2017 17:01

Tgt Ion:240 Resp: 228572  
Ion Ratio Lower Upper  
240 100  
120 15.5 5.8 8.8#  
236 25.7 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: 68.064 ng

RT: 12.78 min Scan# 1818

Delta R.T. -0.02 min

Lab File: BF096648.D

Acq: 11 Jul 2017 17:01

Instrument :

BNA\_F

ClientSampleId :

PB100554BL

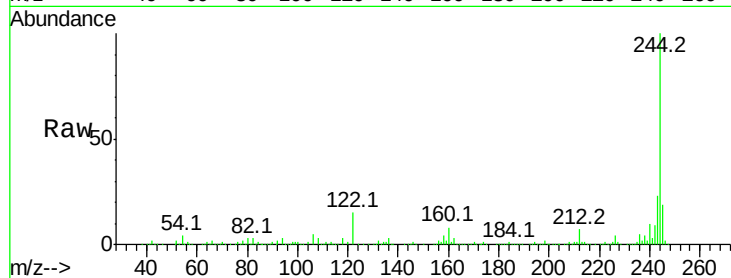
Tot Ion:244 Resp: 728063

Ion Ratio Lower Upper

244 100

212 6.8 6.0 9.0

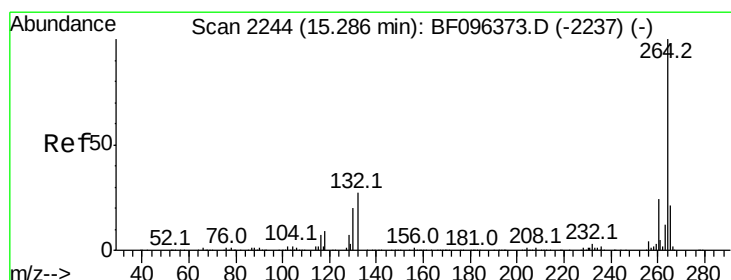
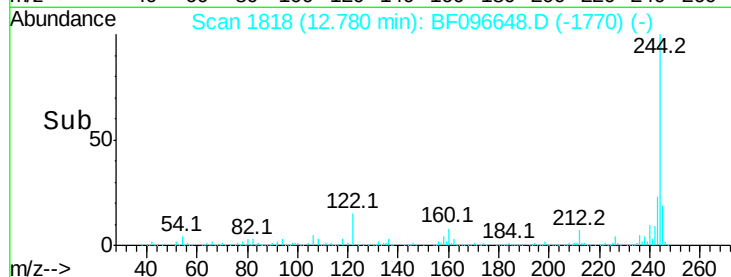
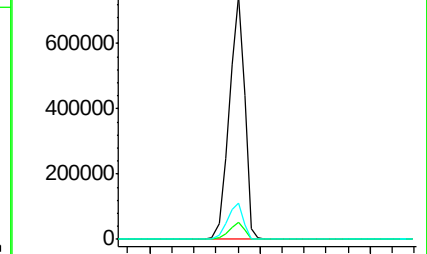
122 15.0 10.3 15.5



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: 15.22 min Scan# 2232

Delta R.T. -0.03 min

Lab File: BF096648.D

Acq: 11 Jul 2017 17:01

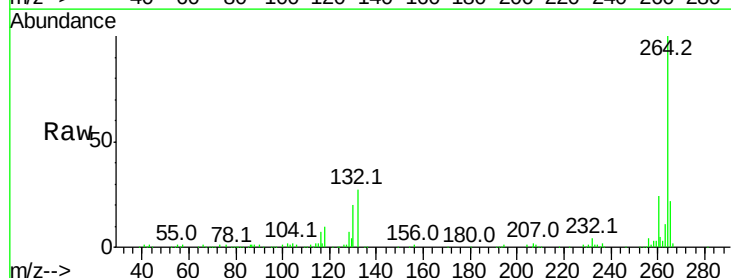
Tgt Ion:264 Resp: 179960

Ion Ratio Lower Upper

264 100

260 24.2 19.5 29.3

265 21.8 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

