

Data Path : Z:\HPCHEM1\BNA F\DATA\BF013017\  
 Data File : BF092666.D  
 Acq On : 31 Jan 2017 7:11  
 Operator : SJ/MA  
 Sample : I1529-05  
 Misc :  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 ELT-WCS012617(15-60)

Quant Time: Jan 31 09:43:36 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jan 30 14:50:05 2017  
 Response via : Initial Calibration

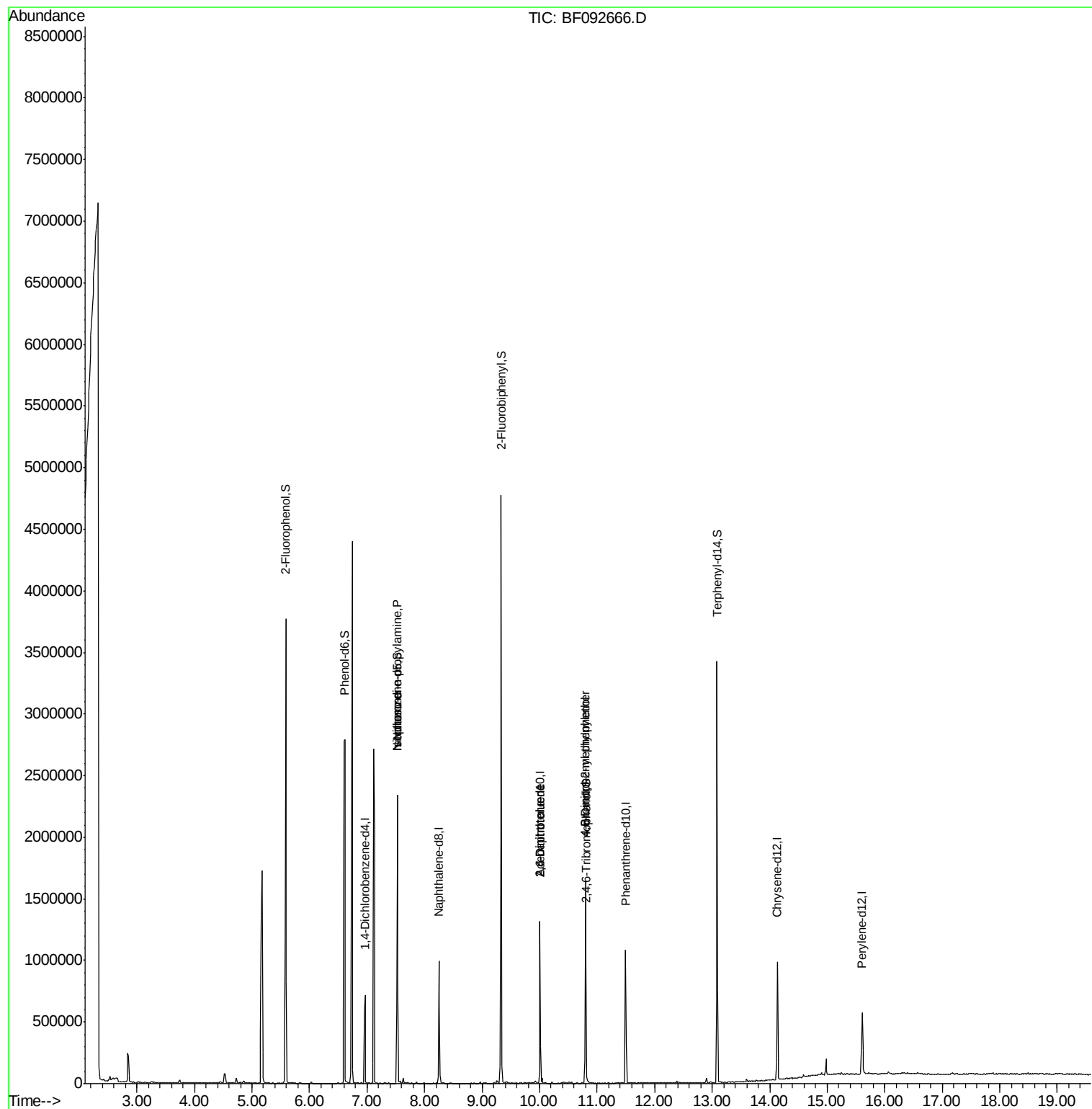
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.97  | 152  | 148459   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.25  | 136  | 578068   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10           | 10.01 | 164  | 278368   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10           | 11.49 | 188  | 399478   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12               | 14.13 | 240  | 311365   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12               | 15.61 | 264  | 229838   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.58  | 112  | 1116229  | 128.99 | ng    | 0.01     |
| 7) Phenol-d6                   | 6.61  | 99   | 1501287  | 134.84 | ng    | 0.01     |
| 23) Nitrobenzene-d5            | 7.53  | 82   | 878397   | 84.62  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol       | 10.81 | 330  | 255314   | 126.81 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl           | 9.33  | 172  | 1633861  | 106.33 | ng    | 0.00     |
| 78) Terphenyl-d14              | 13.08 | 244  | 1091957  | 82.40  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 19) n-Nitroso-di-n-propylamine | 7.53  | 70   | 115823   | 16.34  | ng    | # 84     |
| 25) Isophorone                 | 7.53  | 82   | 871792   | 45.07  | ng    | # 65     |
| 50) 2,6-Dinitrotoluene         | 10.01 | 165  | 35326    | 8.72   | ng    | # 31     |
| 56) 2,4-Dinitrotoluene         | 10.01 | 165  | 35329    | 6.55   | ng    | # 20     |
| 64) 4,6-Dinitro-2-methylphenol | 10.80 | 198  | 457      | 2.85   | ng    | # 1      |
| 66) 4-Bromophenyl-phenylether  | 10.80 | 248  | 18164    | 4.35   | ng    | # 1      |

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.97 min Scan# 427

Delta R.T. -0.00 min

Lab File: BF092666.D

Acq: 31 Jan 2017 7:11

Instrument :

BNA\_F

ClientSampleId :

ELT-WCS012617(15-60)

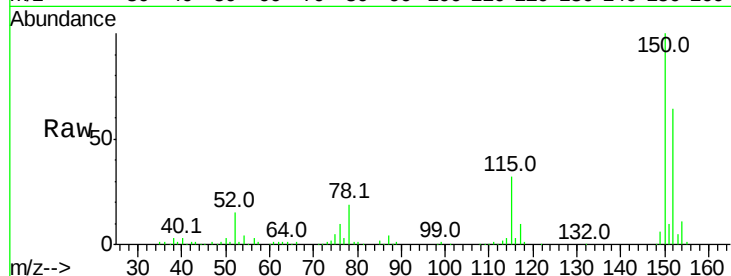
Tot Ion:152 Resp: 148459

Ion Ratio Lower Upper

152 100

150 156.2 124.9 187.3

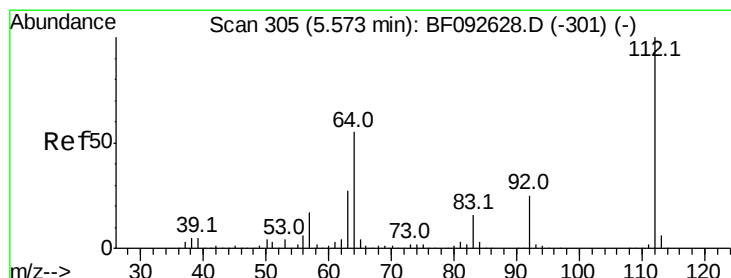
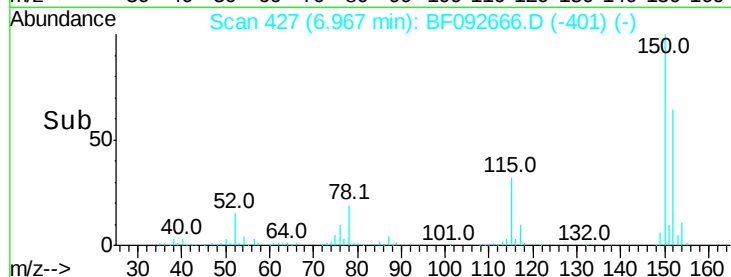
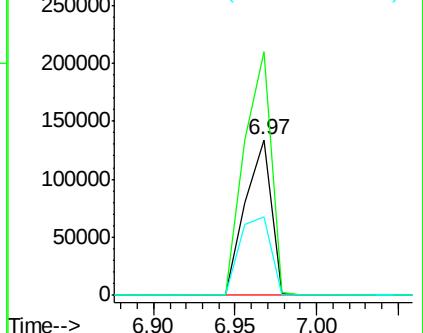
115 50.5 46.0 69.0



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: 128.99 ng

RT: 5.58 min Scan# 306

Delta R.T. 0.01 min

Lab File: BF092666.D

Acq: 31 Jan 2017 7:11

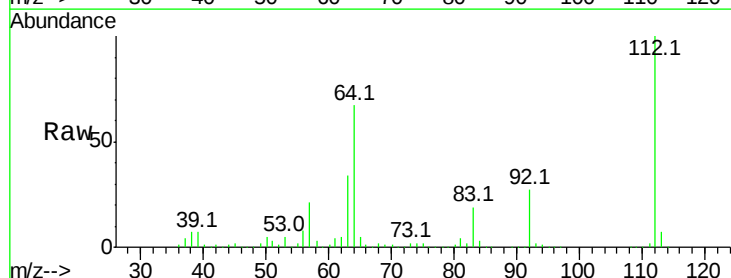
Tgt Ion:112 Resp: 1116229

Ion Ratio Lower Upper

112 100

64 67.0 46.1 69.1

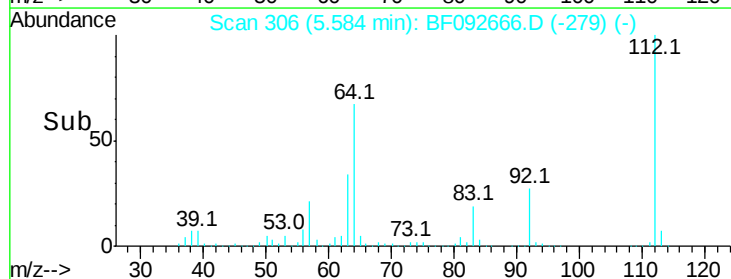
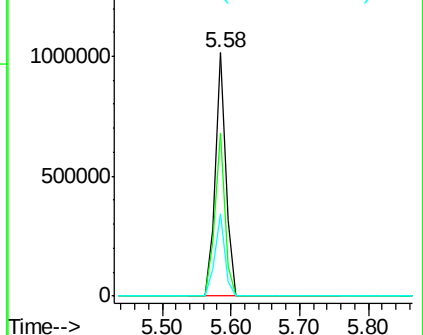
63 34.0 23.8 35.6



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: 134.84 ng

RT: 6.61 min Scan# 396

Delta R.T. 0.01 min

Lab File: BF092666.D

Acq: 31 Jan 2017 7:11

Instrument :

BNA\_F

ClientSampleId :

ELT-WCS012617(15-60)

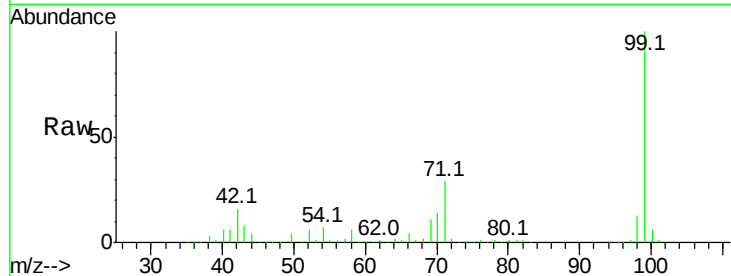
Tot Ion: 99 Resp: 1501287

Ion Ratio Lower Upper

99 100

42 16.1 15.6 23.4

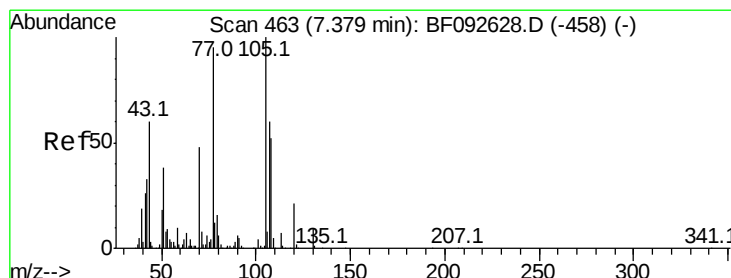
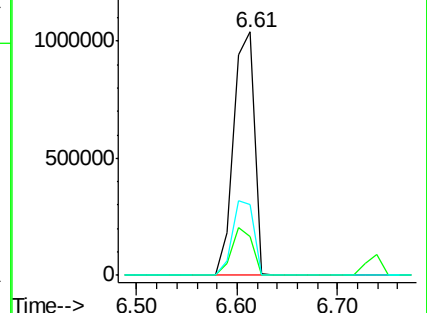
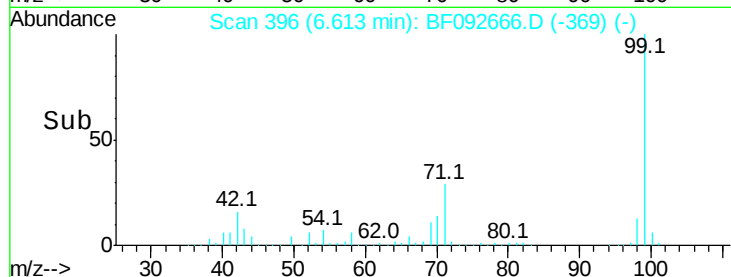
71 28.9 27.5 41.3



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: 16.34 ng

RT: 7.53 min Scan# 476

Delta R.T. 0.15 min

Lab File: BF092666.D

Acq: 31 Jan 2017 7:11

Tgt Ion: 70 Resp: 115823

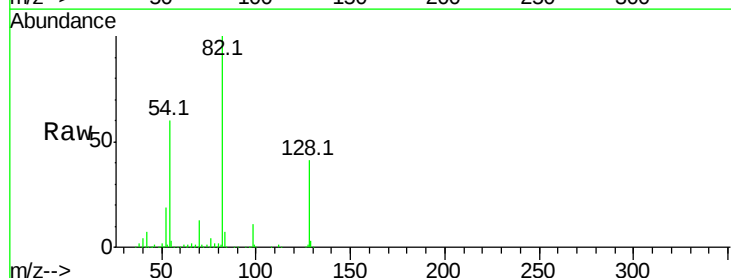
Ion Ratio Lower Upper

70 100

42 54.7 49.4 74.0

101 0.0 7.4 11.2#

130 1.9 14.2 21.4#

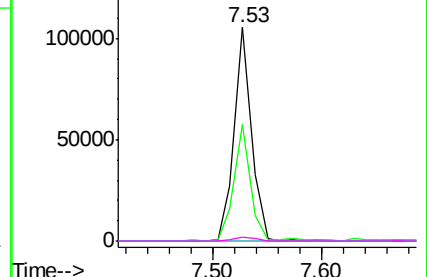
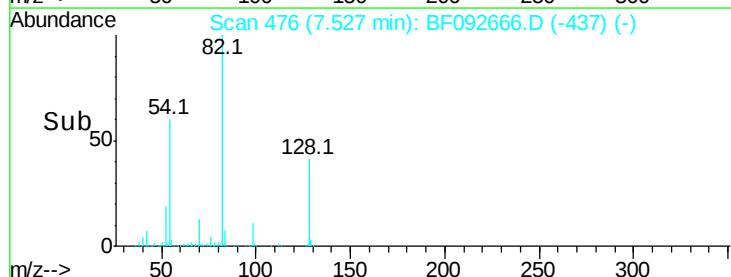


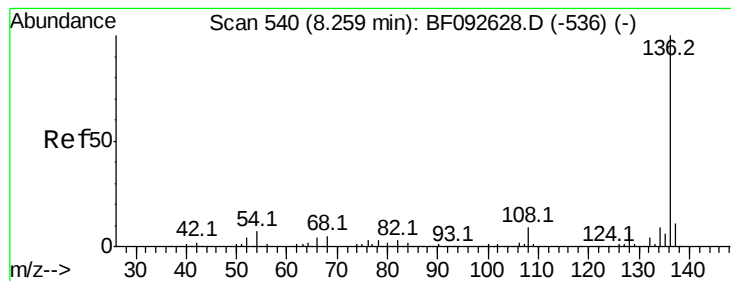
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

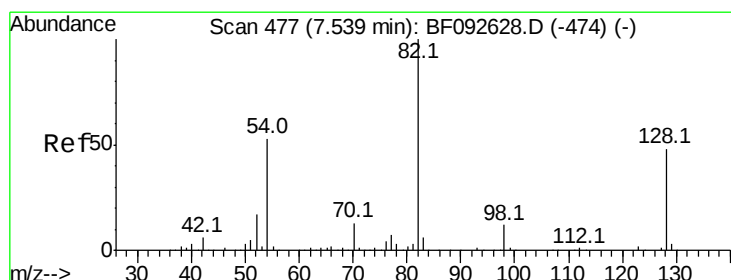
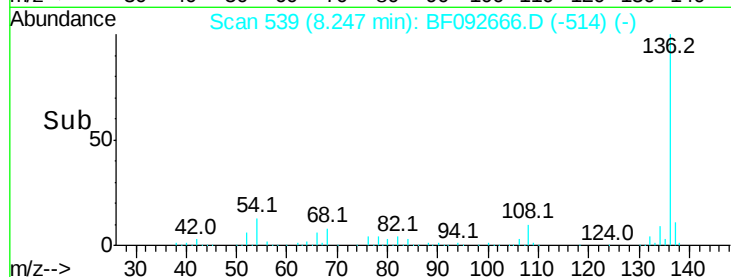
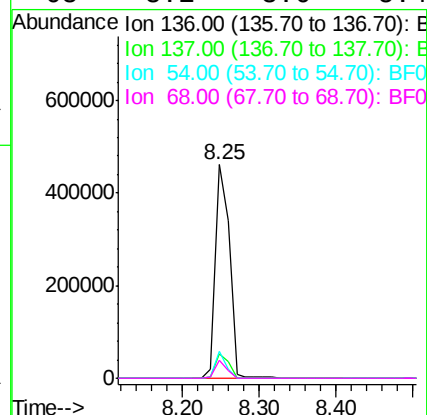
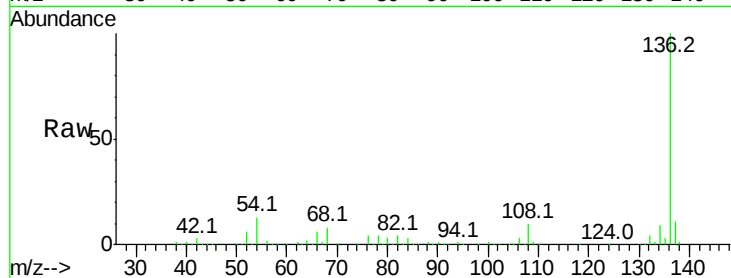




#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.25 min Scan# 539  
Delta R.T. -0.01 min  
Lab File: BF092666.D  
Acq: 31 Jan 2017 7:11

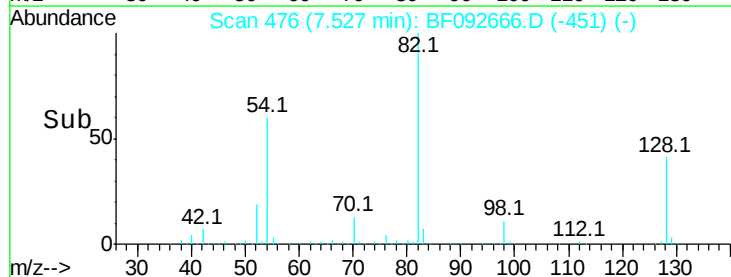
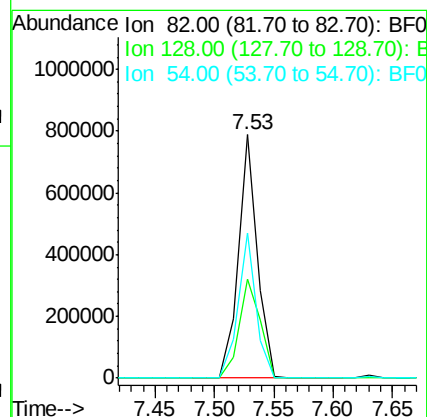
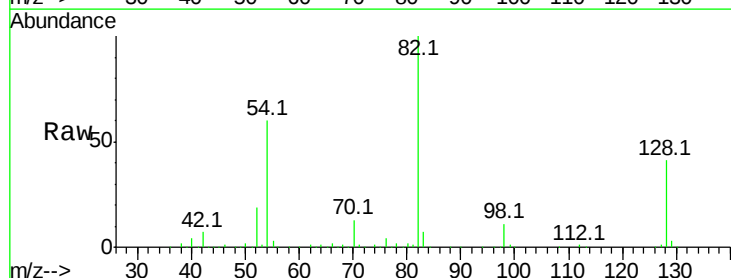
Instrument :  
BNA\_F  
ClientSampleId :  
ELT-WCS012617(15-60)

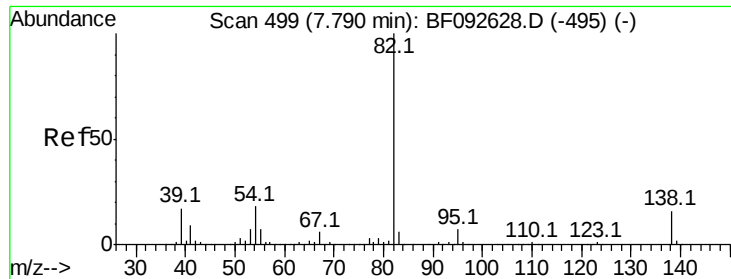
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 136   | Resp: | 578068 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.4  | 8.4   | 12.6   |
| 54       | 12.7  | 4.5   | 6.7#   |
| 68       | 8.1   | 3.6   | 5.4#   |



#23  
Nitrobenzene-d5  
Concen: 84.62 ng  
RT: 7.53 min Scan# 476  
Delta R.T. -0.01 min  
Lab File: BF092666.D  
Acq: 31 Jan 2017 7:11

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 878397 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 40.6  | 34.6  | 52.0   |
| 54       | 59.7  | 39.5  | 59.3#  |





#25

Isophorone

Concen: 45.07 ng

RT: 7.53 min Scan# 476

Delta R.T. -0.26 min

Lab File: BF092666.D

Acq: 31 Jan 2017 7:11

Instrument :

BNA\_F

ClientSampleId :

ELT-WCS012617(15-60)

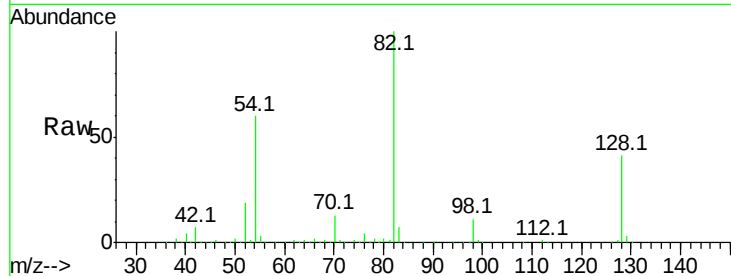
Tot Ion: 82 Resp: 871792

Ion Ratio Lower Upper

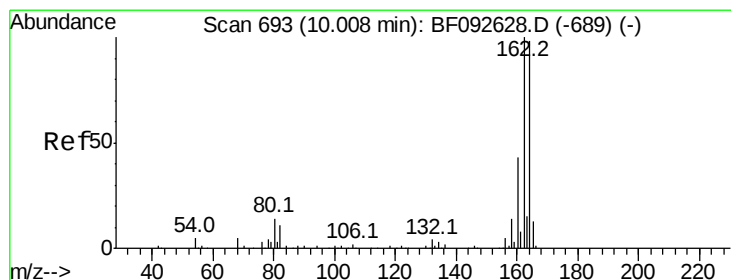
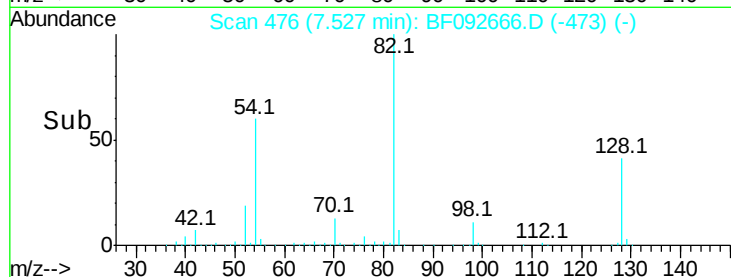
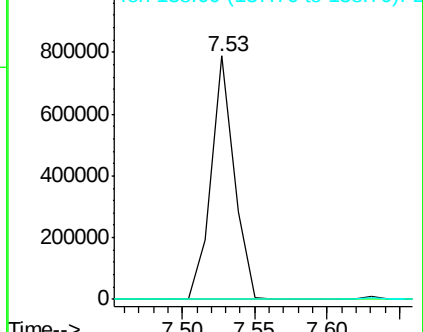
82 100

95 0.0 5.6 8.4#

138 0.0 14.6 22.0#



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: 10.01 min Scan# 693

Delta R.T. -0.00 min

Lab File: BF092666.D

Acq: 31 Jan 2017 7:11

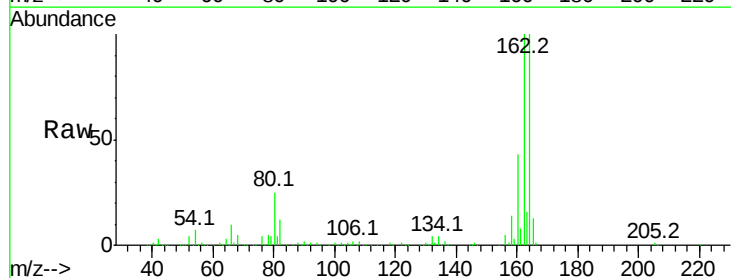
Tgt Ion:164 Resp: 278368

Ion Ratio Lower Upper

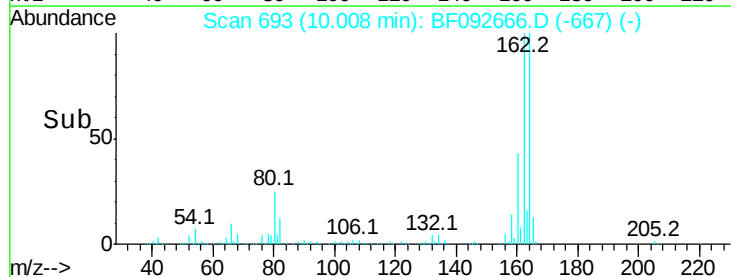
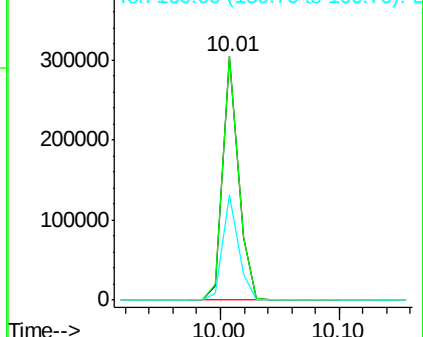
164 100

162 100.1 80.2 120.2

160 43.5 36.9 55.3



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

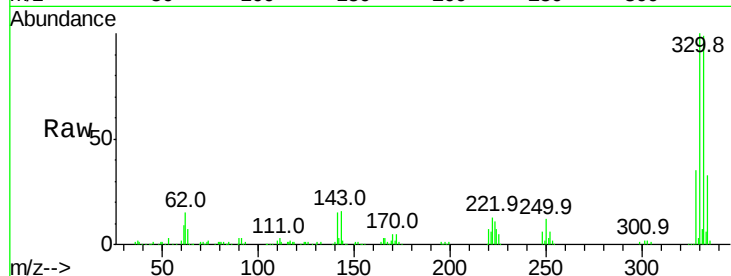




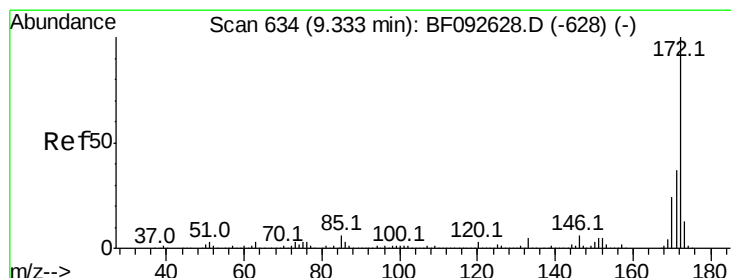
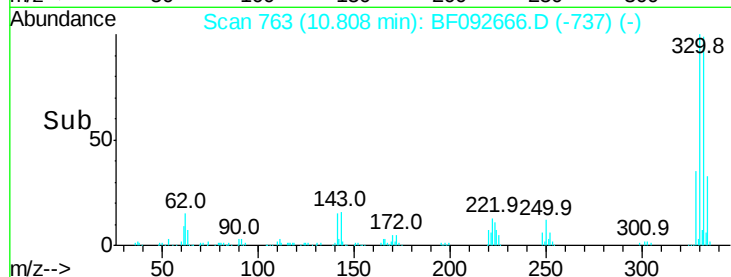
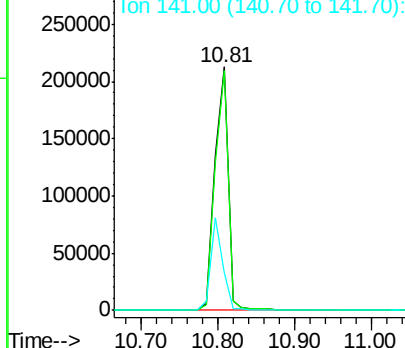
#41  
 2,4,6-Tribromophenol  
 Concen: 126.81 ng  
 RT: 10.81 min Scan# 763  
 Delta R.T. -0.00 min  
 Lab File: BF092666.D  
 Acq: 31 Jan 2017 7:11

Instrument :  
 BNA\_F  
 ClientSampleId :  
 ELT-WCS012617(15-60)

Tot Ion:330 Resp: 255314  
 Ion Ratio Lower Upper  
 330 100  
 332 96.9 77.4 116.2  
 141 34.3 34.1 51.1

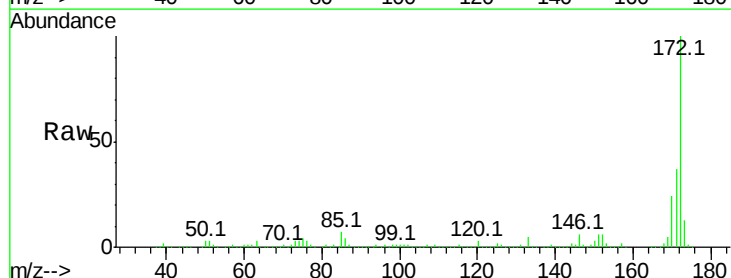


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

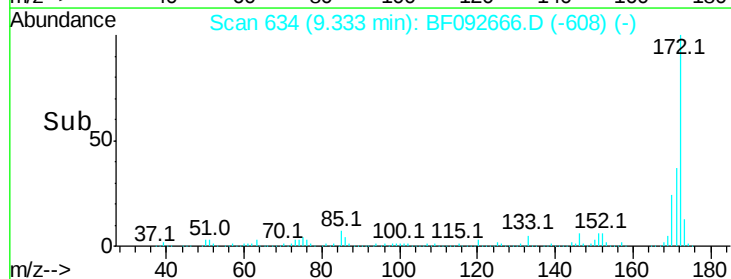
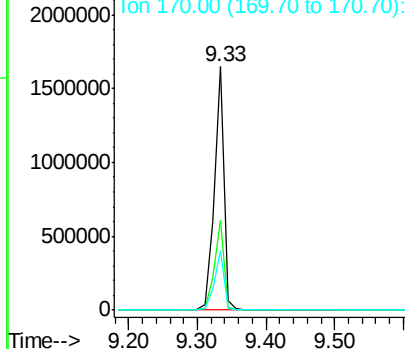


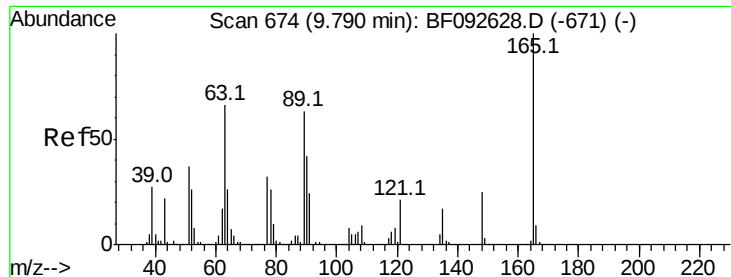
#44  
 2-Fluorobiphenyl  
 Concen: 106.33 ng  
 RT: 9.33 min Scan# 634  
 Delta R.T. -0.00 min  
 Lab File: BF092666.D  
 Acq: 31 Jan 2017 7:11

Tgt Ion:172 Resp: 1633861  
 Ion Ratio Lower Upper  
 172 100  
 171 37.0 29.4 44.0  
 170 24.3 20.2 30.4



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

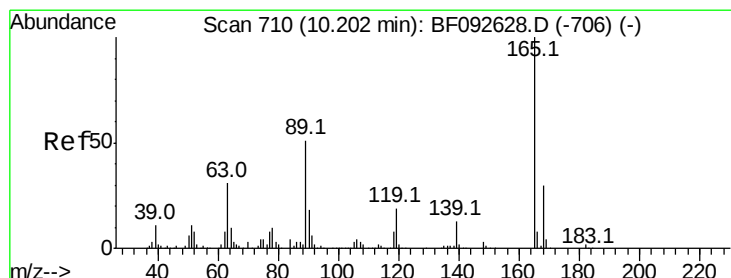
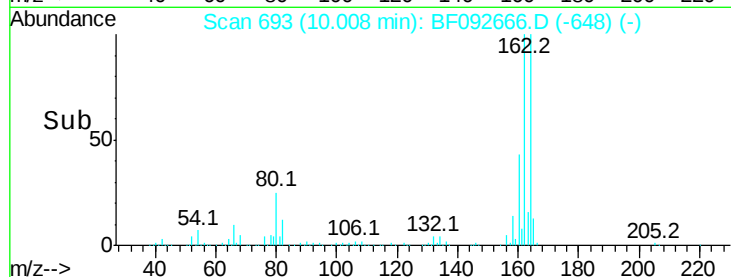
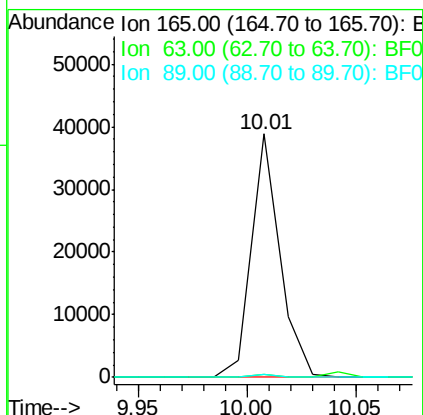
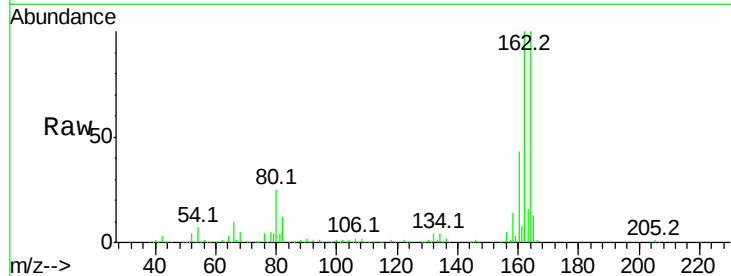




#50  
2,6-Dinitrotoluene  
Concen: 8.72 ng  
RT: 10.01 min Scan# 693  
Delta R.T. 0.22 min  
Lab File: BF092666.D  
Acq: 31 Jan 2017 7:11

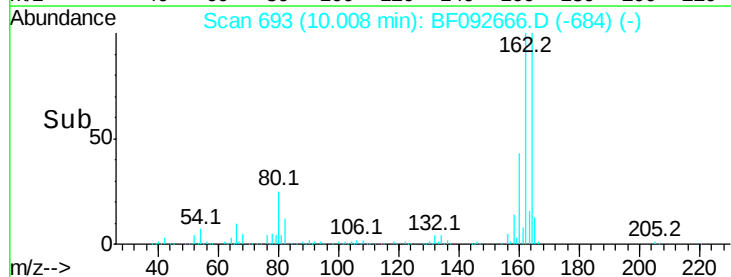
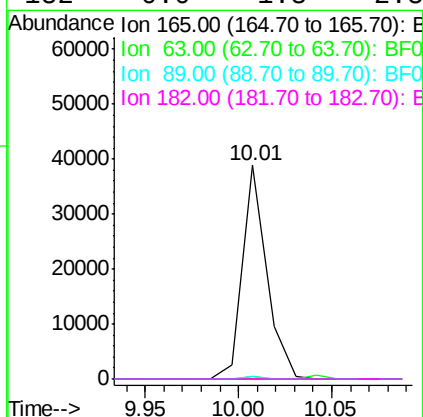
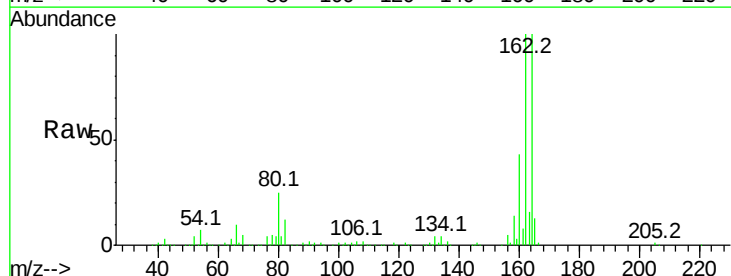
Instrument :  
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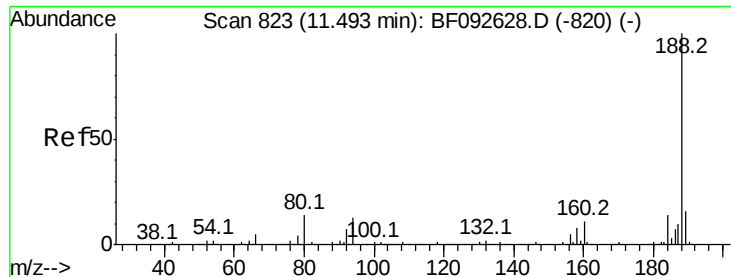
Tot Ion:165 Resp: 35326  
Ion Ratio Lower Upper  
165 100  
63 1.3 36.2 54.4#  
89 1.3 40.2 60.4#



#56  
2,4-Dinitrotoluene  
Concen: 6.55 ng  
RT: 10.01 min Scan# 693  
Delta R.T. -0.19 min  
Lab File: BF092666.D  
Acq: 31 Jan 2017 7:11

Tgt Ion:165 Resp: 35329  
Ion Ratio Lower Upper  
165 100  
63 1.3 40.2 60.4#  
89 1.3 62.5 93.7#  
182 0.0 1.8 2.8#

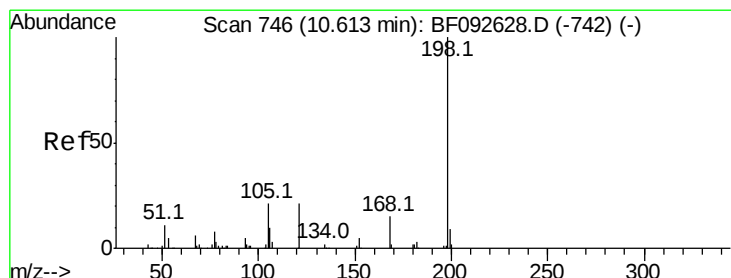
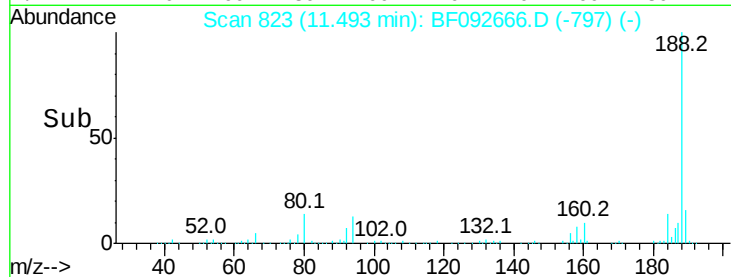
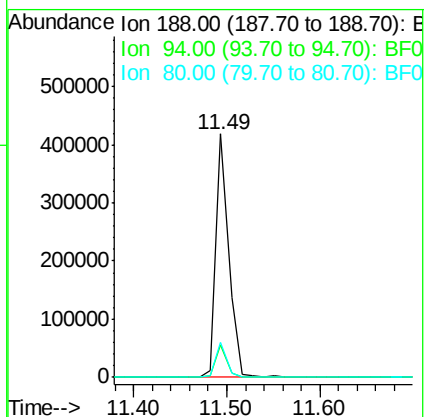
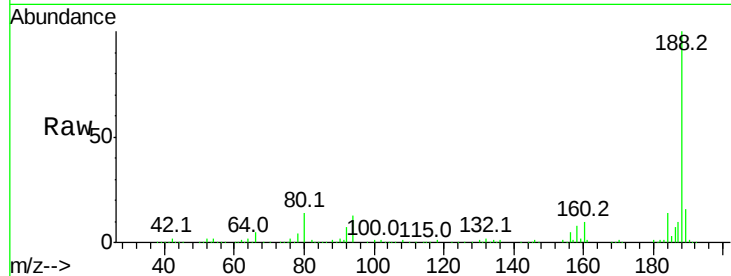




#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.49 min Scan# 823  
Delta R.T. -0.00 min  
Lab File: BF092666.D  
Acq: 31 Jan 2017 7:11

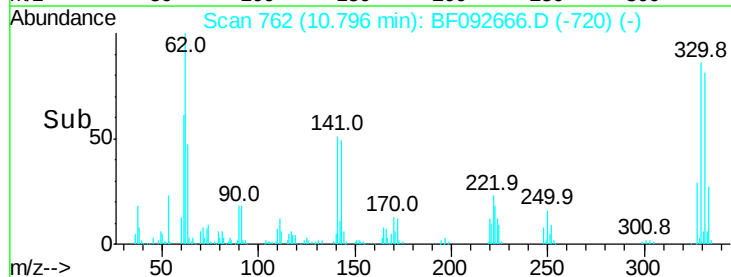
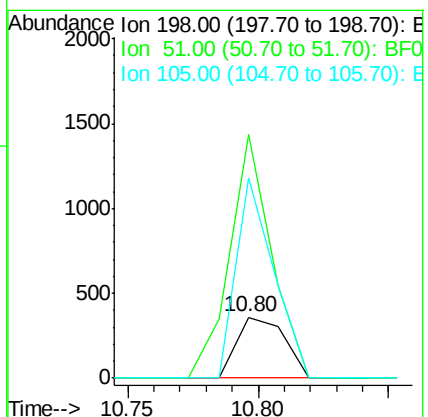
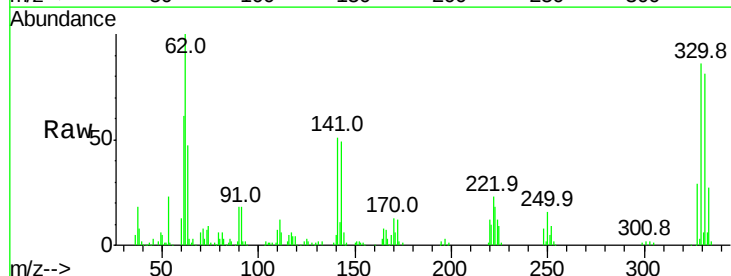
Instrument :  
BNA\_F  
ClientSampleId :  
ELT-WCS012617(15-60)

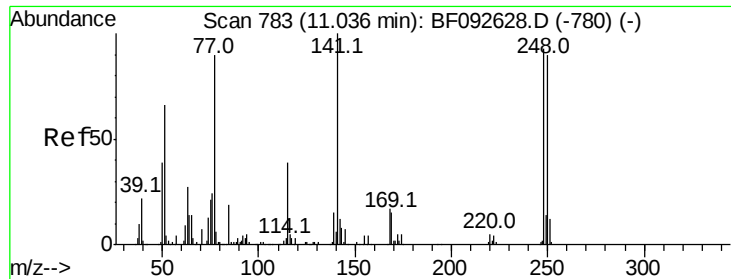
Tot Ion:188 Resp: 399478  
Ion Ratio Lower Upper  
188 100  
94 13.2 10.0 15.0  
80 14.4 11.2 16.8



#64  
4,6-Dinitro-2-methylphenol  
Concen: 2.85 ng  
RT: 10.80 min Scan# 762  
Delta R.T. 0.18 min  
Lab File: BF092666.D  
Acq: 31 Jan 2017 7:11

Tgt Ion:198 Resp: 457  
Ion Ratio Lower Upper  
198 100  
51 398.6 6.7 46.7#  
105 328.1 16.6 56.6#





#66

4-Bromophenyl-phenylether

Concen: 4.35 ng

RT: 10.80 min Scan# 762

Delta R.T. -0.24 min

Lab File: BF092666.D

Acq: 31 Jan 2017 7:11

Instrument :

BNA\_F

ClientSampleId :

ELT-WCS012617(15-60)

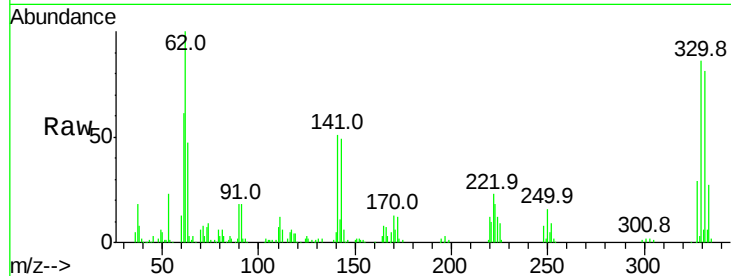
Tot Ion:248 Resp: 18164

Ion Ratio Lower Upper

248 100

250 194.4 76.9 115.3#

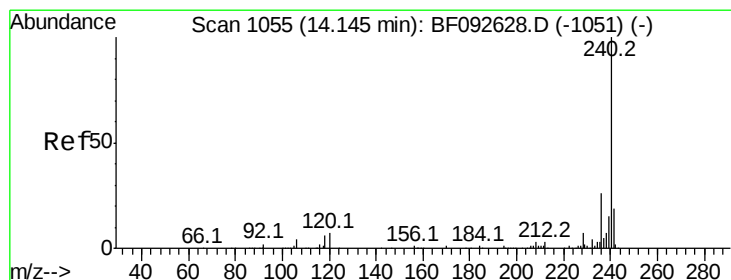
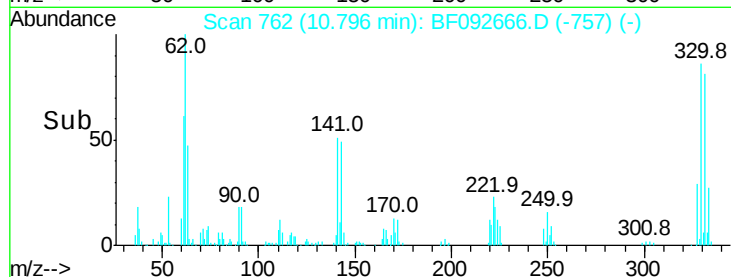
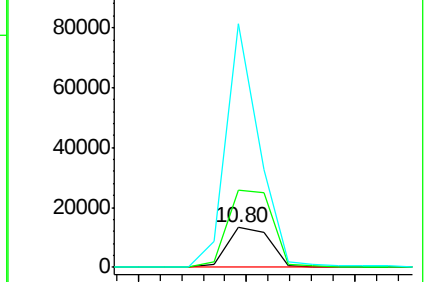
141 610.9 68.2 102.4#



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: 20.00 ng

RT: 14.13 min Scan# 1054

Delta R.T. -0.01 min

Lab File: BF092666.D

Acq: 31 Jan 2017 7:11

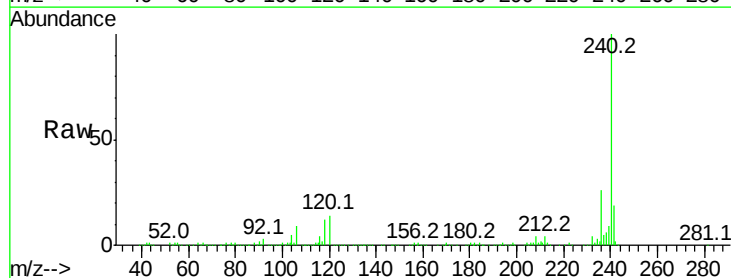
Tgt Ion:240 Resp: 311365

Ion Ratio Lower Upper

240 100

120 13.6 12.9 19.3

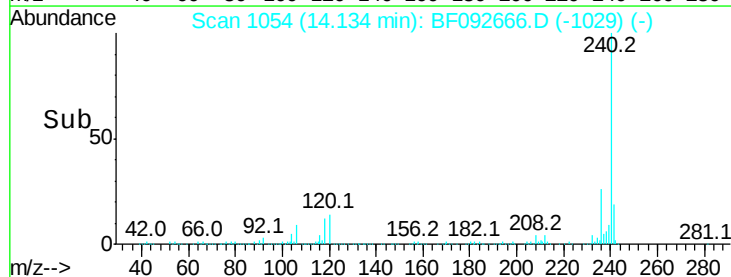
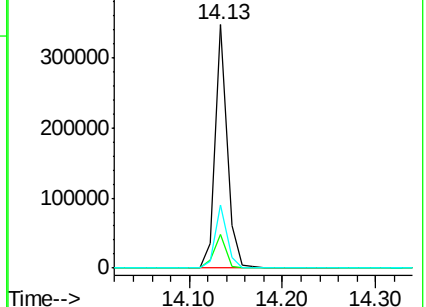
236 25.8 20.9 31.3

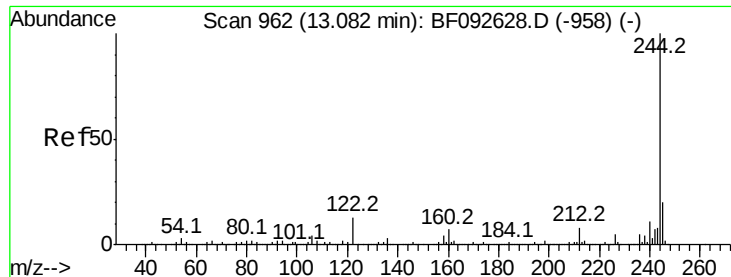


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 82.40 ng

RT: 13.08 min Scan# 962

Delta R.T. -0.00 min

Lab File: BF092666.D

Acq: 31 Jan 2017 7:11

Instrument :

BNA\_F

ClientSampleId :

ELT-WCS012617(15-60)

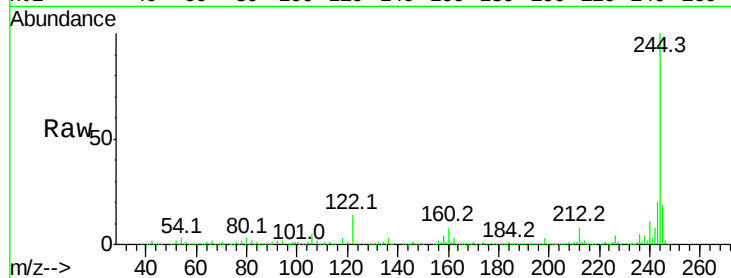
Tot Ion:244 Resp: 1091957

Ion Ratio Lower Upper

244 100

212 7.8 6.2 9.2

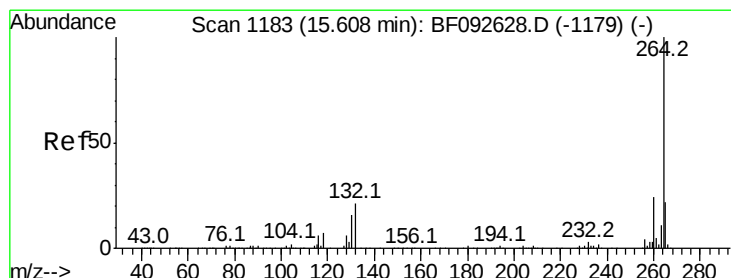
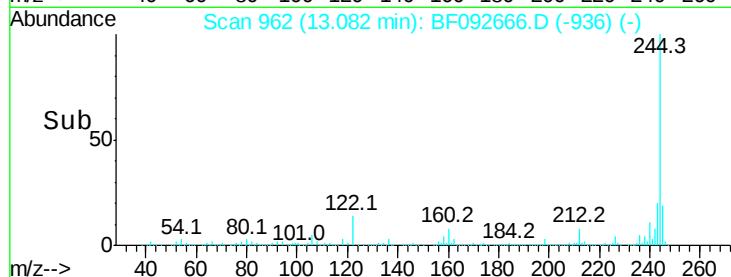
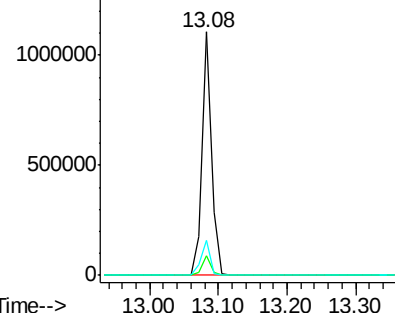
122 14.2 11.4 17.2



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: 20.00 ng

RT: 15.61 min Scan# 1183

Delta R.T. -0.00 min

Lab File: BF092666.D

Acq: 31 Jan 2017 7:11

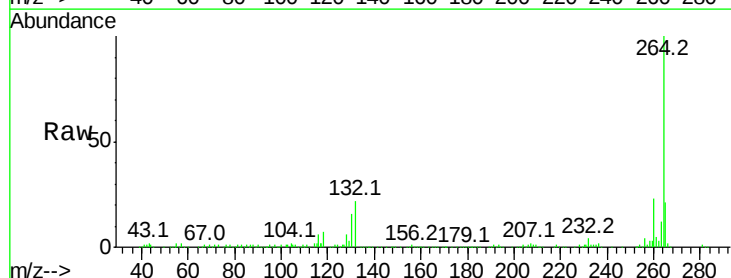
Tgt Ion:264 Resp: 229838

Ion Ratio Lower Upper

264 100

260 22.8 19.2 28.8

265 21.5 17.4 26.0



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

