

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF020717\  
 Data File : BF092848.D  
 Acq On : 8 Feb 2017 2:43  
 Operator : SJ/MA  
 Sample : I1706-11  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 WC-SCW-COMP-04

Quant Time: Feb 08 03:34:40 2017  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF013017.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Feb 07 23:52:21 2017  
 Response via : Initial Calibration

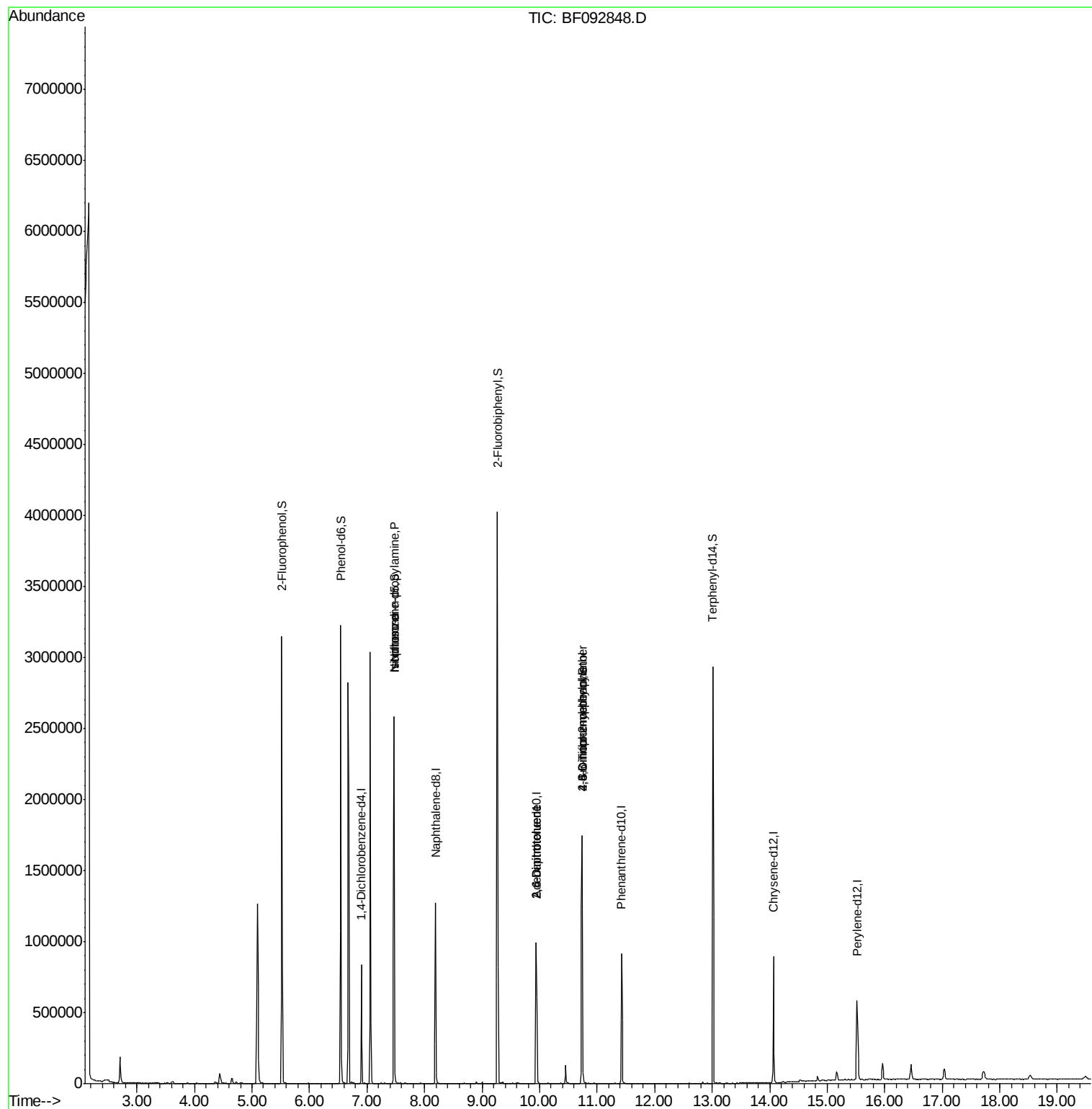
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.90  | 152  | 134583   | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8             | 8.19  | 136  | 560652   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10           | 9.94  | 164  | 273293   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10           | 11.42 | 188  | 388557   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12               | 14.07 | 240  | 299732   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12               | 15.52 | 264  | 259864   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.52  | 112  | 900357   | 114.77 | ng    | 0.01     |
| 7) Phenol-d6                   | 6.54  | 99   | 1084829  | 107.48 | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.47  | 82   | 839801   | 83.41  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol       | 10.74 | 330  | 267670   | 135.42 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl           | 9.26  | 172  | 1315758  | 87.22  | ng    | 0.00     |
| 78) Terphenyl-d14              | 13.01 | 244  | 1048307  | 82.18  | ng    | -0.01    |
| Target Compounds               |       |      |          |        |       |          |
| 19) n-Nitroso-di-n-propylamine | 7.47  | 70   | 113397   | 17.65  | ng    | # 81     |
| 25) Isophorone                 | 7.47  | 82   | 619561   | 33.02  | ng    | # 65     |
| 50) 2,6-Dinitrotoluene         | 9.94  | 165  | 35025    | 8.81   | ng    | # 30     |
| 56) 2,4-Dinitrotoluene         | 9.94  | 165  | 35026    | 6.62   | ng    | # 19     |
| 64) 4,6-Dinitro-2-methylphenol | 10.74 | 198  | 835      | 3.00   | ng    | # 1      |
| 66) 4-Bromophenyl-phenylether  | 10.74 | 248  | 20324    | 5.01   | ng    | # 1      |

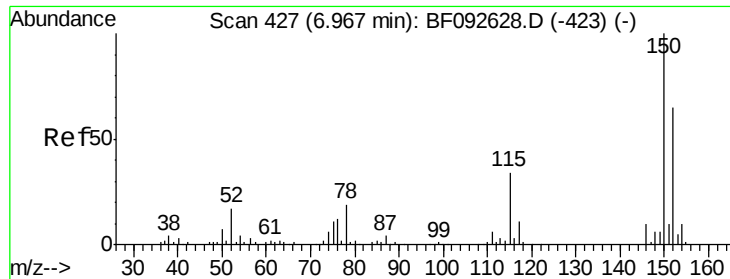
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.90 min Scan# 421

Delta R.T. -0.01 min

Lab File: BF092848.D

Acq: 8 Feb 2017 2:43

Instrument :

BNA\_F

ClientSampleId :

WC-SCW-COMP-04

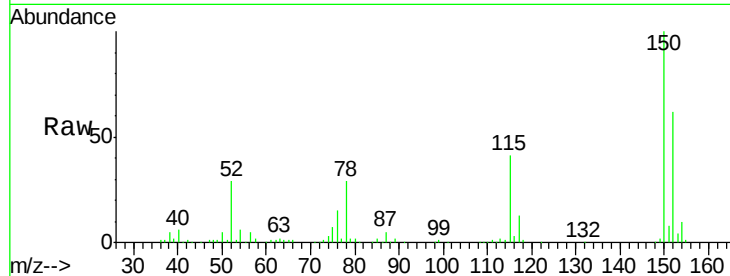
Tgt Ion:152 Resp: 134583

Ion Ratio Lower Upper

152 100

150 161.5 124.9 187.3

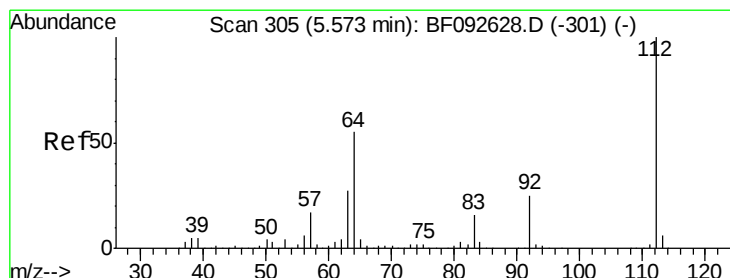
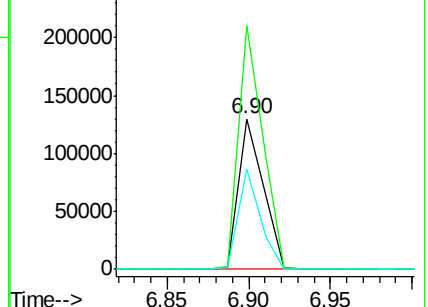
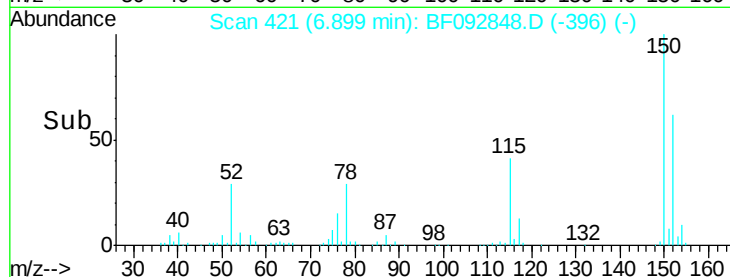
115 66.3 46.0 69.0



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: 114.77 ng

RT: 5.52 min Scan# 300

Delta R.T. 0.01 min

Lab File: BF092848.D

Acq: 8 Feb 2017 2:43

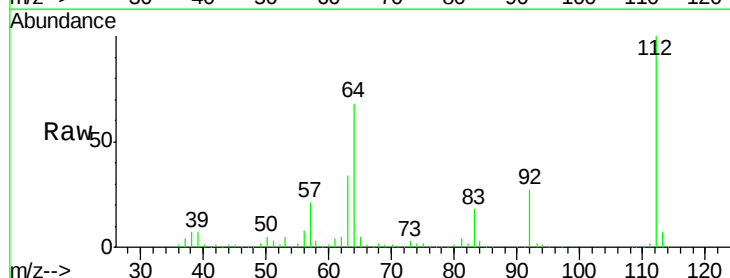
Tgt Ion:112 Resp: 900357

Ion Ratio Lower Upper

112 100

64 68.2 46.1 69.1

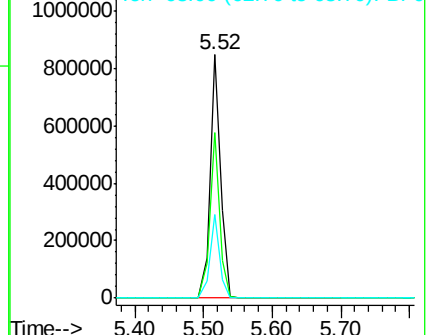
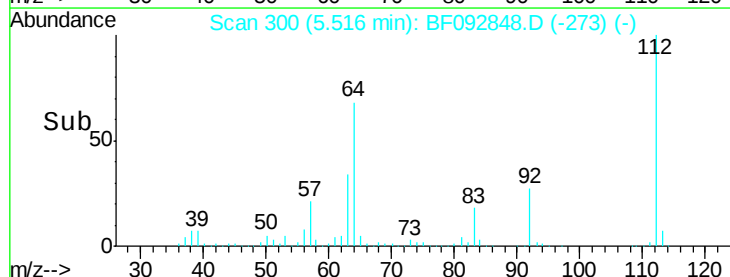
63 34.3 23.8 35.6

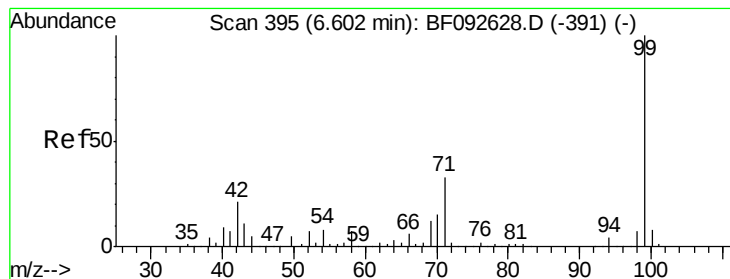


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 107.48 ng

RT: 6.54 min Scan# 390

Delta R.T. -0.00 min

Lab File: BF092848.D

Acq: 8 Feb 2017 2:43

Instrument :

BNA\_F

ClientSampleId :

WC-SCW-COMP-04

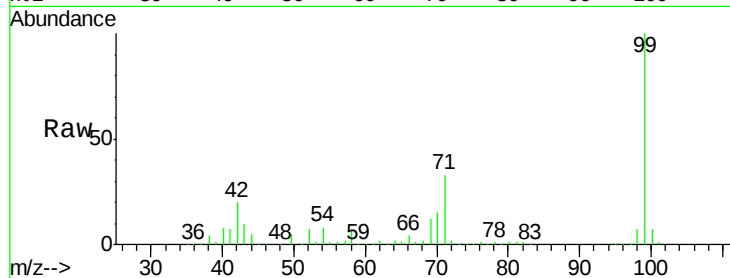
Tgt Ion: 99 Resp: 1084829

Ion Ratio Lower Upper

99 100

42 19.8 15.6 23.4

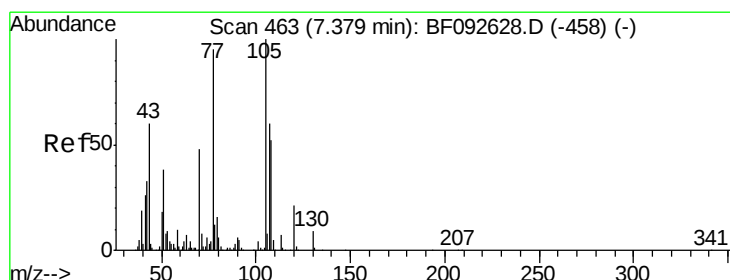
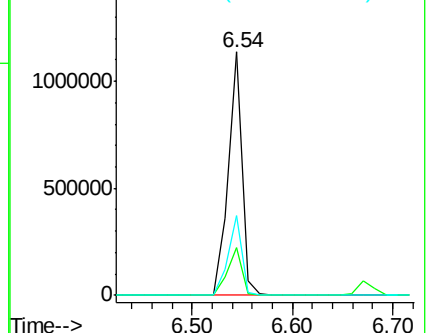
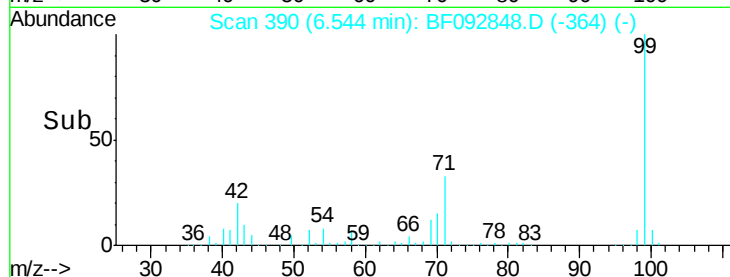
71 32.8 27.5 41.3



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: 17.65 ng

RT: 7.47 min Scan# 471

Delta R.T. 0.15 min

Lab File: BF092848.D

Acq: 8 Feb 2017 2:43

Tgt Ion: 70 Resp: 113397

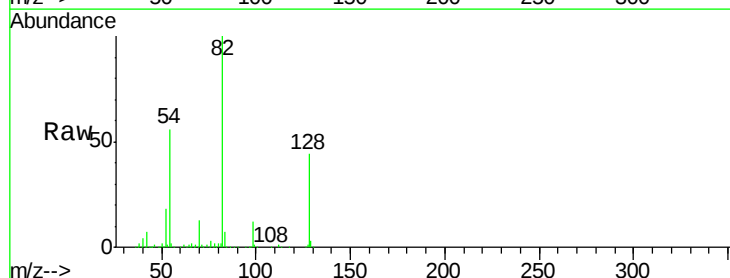
Ion Ratio Lower Upper

70 100

42 51.6 49.4 74.0

101 0.0 7.4 11.2#

130 1.8 14.2 21.4#

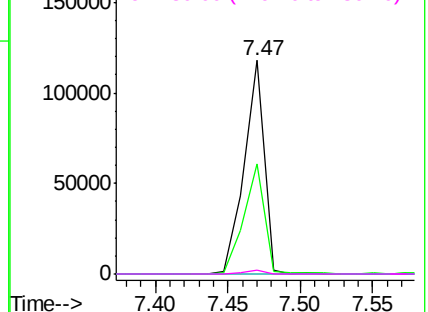
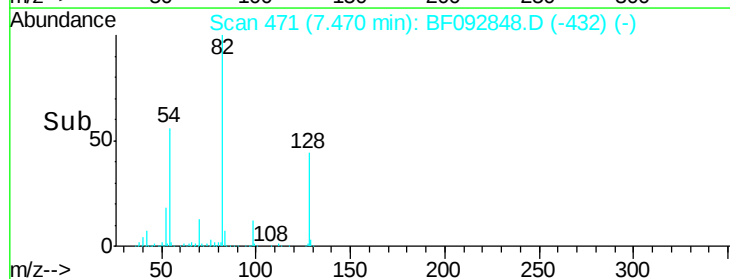


Abundance Ion 70.00 (69.70 to 70.70): BF0

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

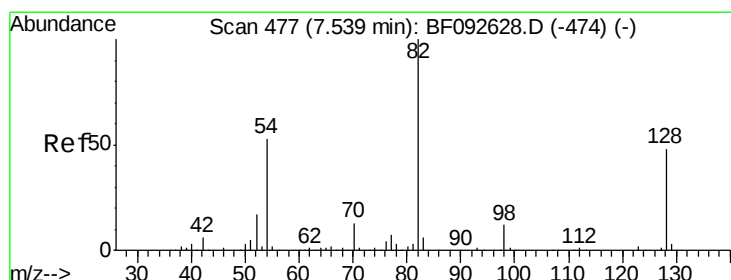
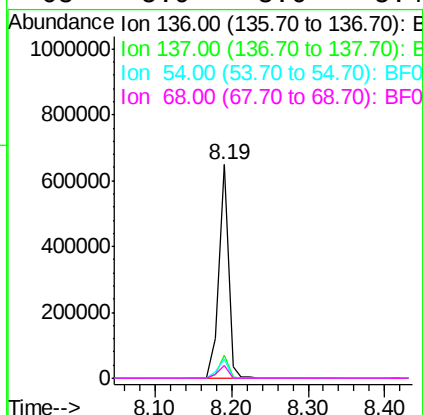
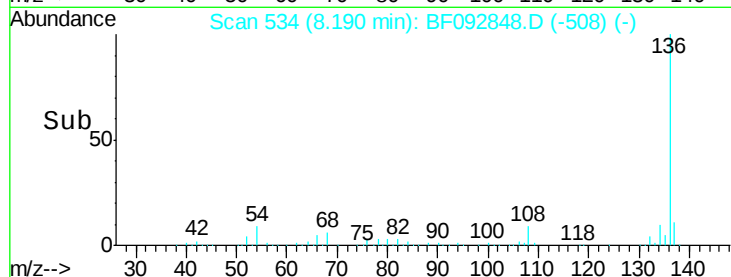
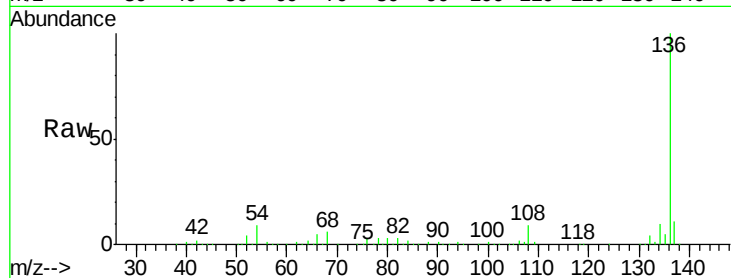




#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.19 min Scan# 534  
Delta R.T. -0.00 min  
Lab File: BF092848.D  
Acq: 8 Feb 2017 2:43

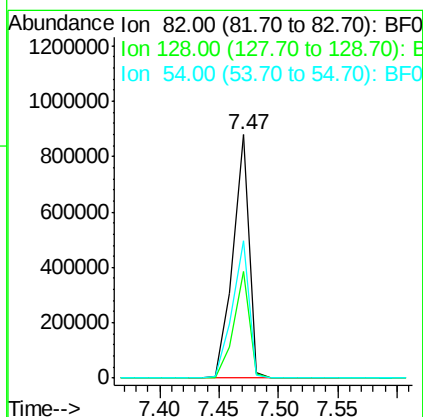
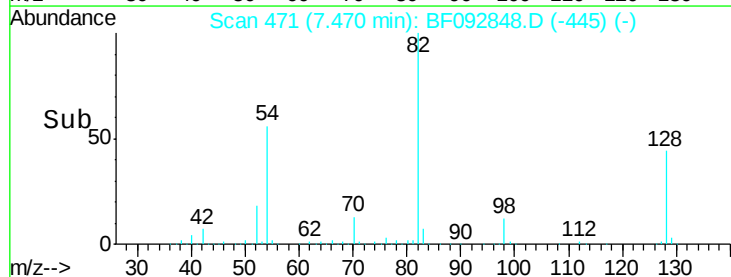
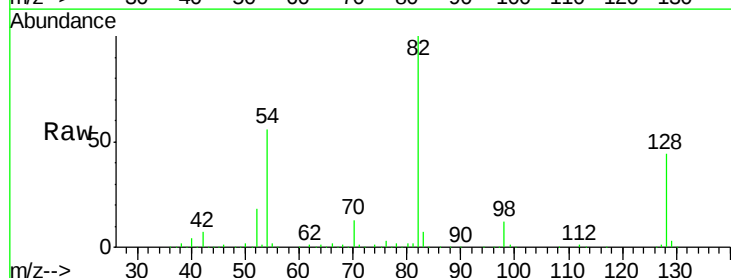
Instrument :  
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ClientSampleId :  
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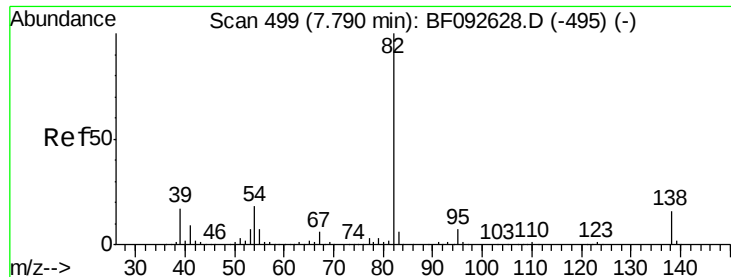
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 560652 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.6  | 8.4   | 12.6   |
| 54       | 8.7   | 4.5   | 6.7#   |
| 68       | 5.9   | 3.6   | 5.4#   |



#23  
Nitrobenzene-d5  
Concen: 83.41 ng  
RT: 7.47 min Scan# 471  
Delta R.T. -0.00 min  
Lab File: BF092848.D  
Acq: 8 Feb 2017 2:43

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 839801 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 43.7  | 34.6  | 52.0   |
| 54       | 56.2  | 39.5  | 59.3   |

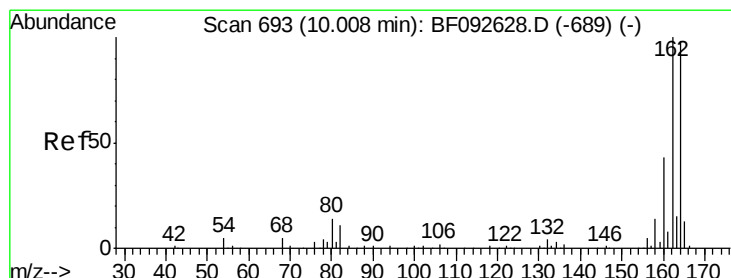
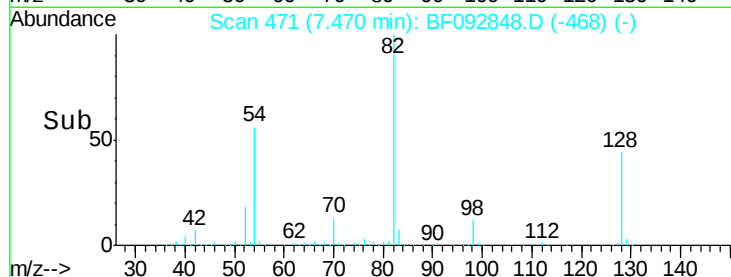
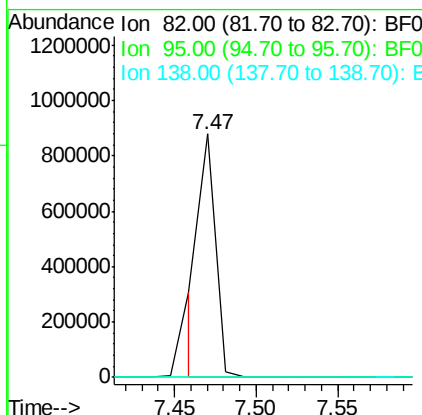
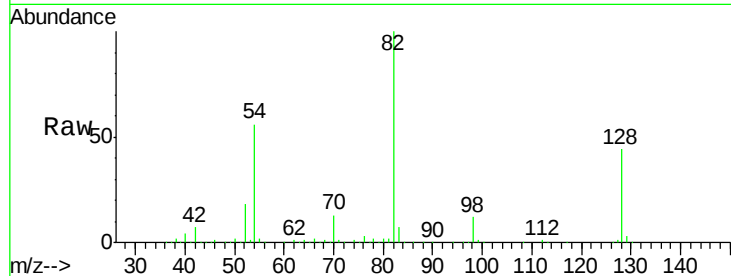




#25  
Isophorone  
Concen: 33.02 ng  
RT: 7.47 min Scan# 471  
Delta R.T. -0.26 min  
Lab File: BF092848.D  
Acq: 8 Feb 2017 2:43

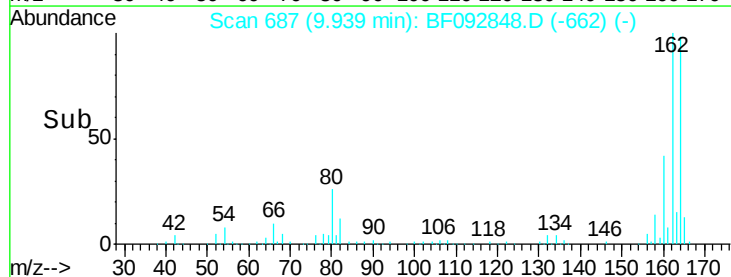
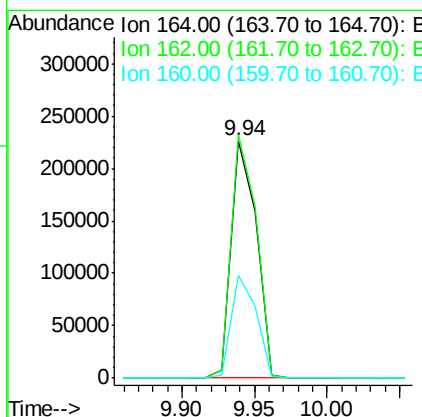
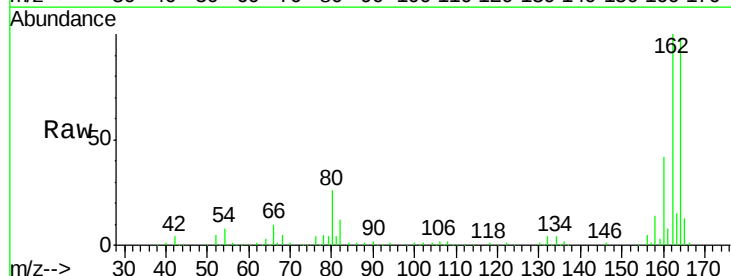
Instrument :  
BNA\_F  
ClientSampleId :  
WC-SCW-COMP-04

Tgt Ion: 82 Resp: 619561  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.6 8.4#  
138 0.0 14.6 22.0#



#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.94 min Scan# 687  
Delta R.T. -0.01 min  
Lab File: BF092848.D  
Acq: 8 Feb 2017 2:43

Tgt Ion: 164 Resp: 273293  
Ion Ratio Lower Upper  
164 100  
162 102.4 80.2 120.2  
160 43.2 36.9 55.3

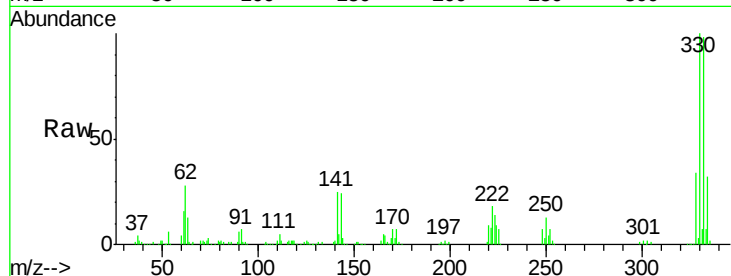




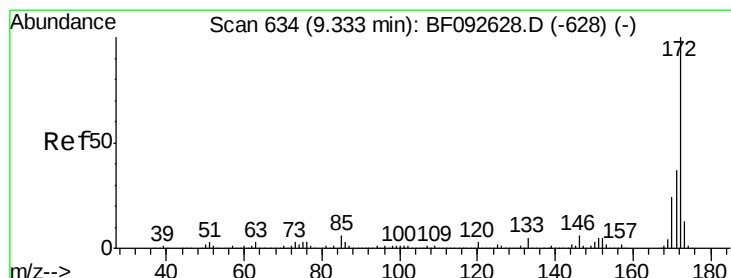
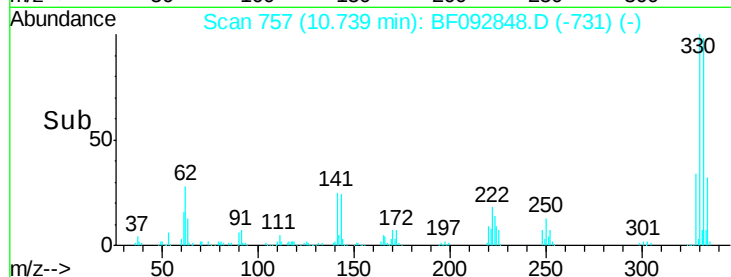
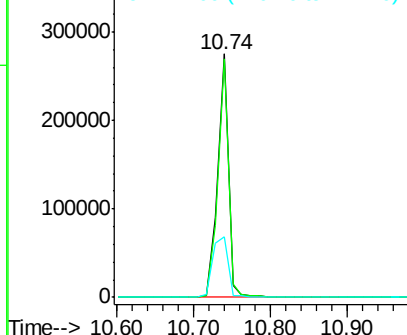
#41  
 2,4,6-Tribromophenol  
 Concen: 135.42 ng  
 RT: 10.74 min Scan# 757  
 Delta R.T. -0.00 min  
 Lab File: BF092848.D  
 Acq: 8 Feb 2017 2:43

Instrument :  
 BNA\_F  
 ClientSampleId :  
 WC-SCW-COMP-04

Tgt Ion:330 Resp: 267670  
 Ion Ratio Lower Upper  
 330 100  
 332 97.0 77.4 116.2  
 141 35.8 34.1 51.1

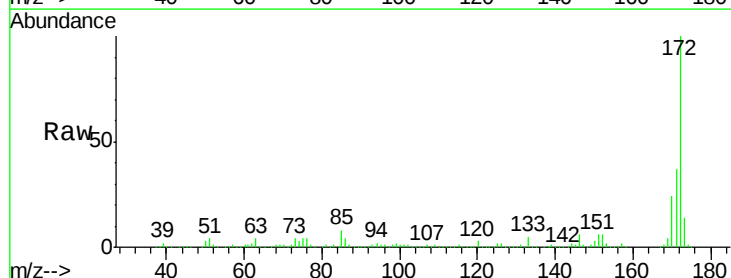


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

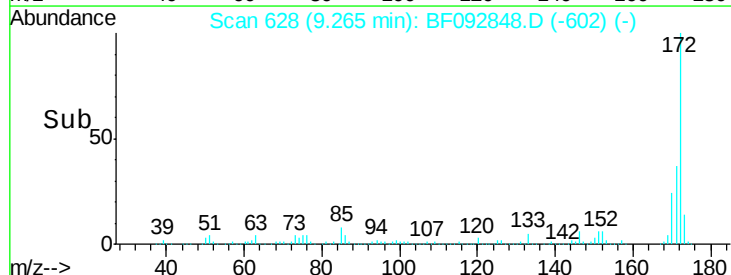
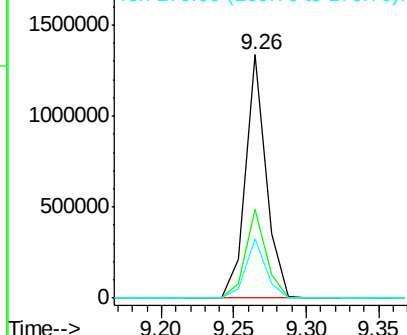


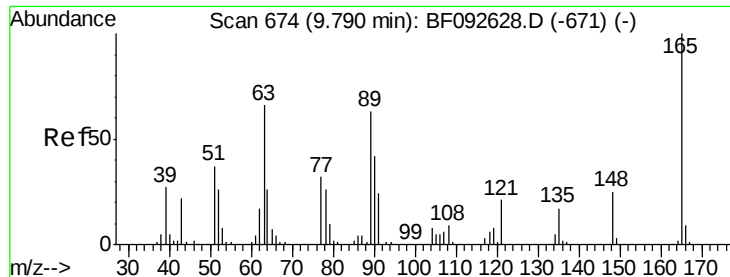
#44  
 2-Fluorobiphenyl  
 Concen: 87.22 ng  
 RT: 9.26 min Scan# 628  
 Delta R.T. -0.00 min  
 Lab File: BF092848.D  
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Tgt Ion:172 Resp: 1315758  
 Ion Ratio Lower Upper  
 172 100  
 171 36.6 29.4 44.0  
 170 24.3 20.2 30.4



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

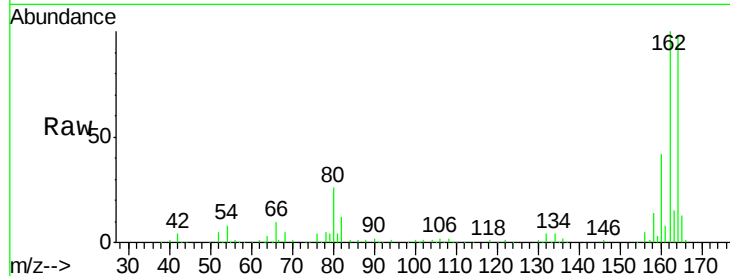




#50  
 2,6-Dinitrotoluene  
 Concen: 8.81 ng  
 RT: 9.94 min Scan# 687  
 Delta R.T. 0.21 min  
 Lab File: BF092848.D  
 Acq: 8 Feb 2017 2:43

Instrument :  
 BNA\_F  
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 WC-SCW-COMP-04

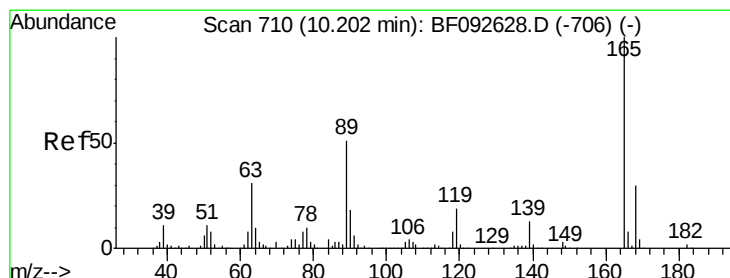
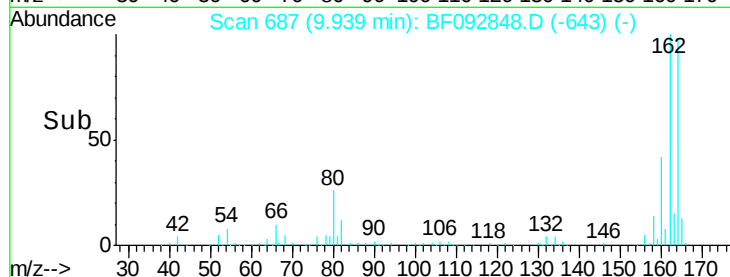
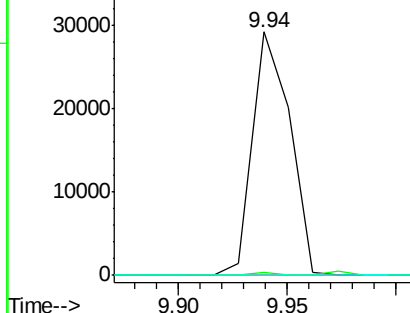
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.4   | 36.2  | 54.4# |
| 89      | 0.0   | 40.2  | 60.4# |



Abundance Ion 165.00 (164.70 to 165.70): E

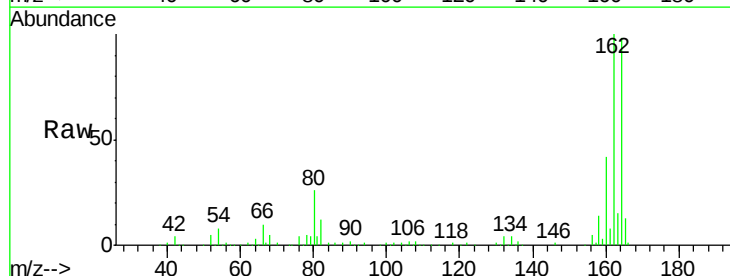
Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0



#56  
 2,4-Dinitrotoluene  
 Concen: 6.62 ng  
 RT: 9.94 min Scan# 687  
 Delta R.T. -0.21 min  
 Lab File: BF092848.D  
 Acq: 8 Feb 2017 2:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.4   | 40.2  | 60.4# |
| 89      | 0.0   | 62.5  | 93.7# |
| 182     | 0.0   | 1.8   | 2.8#  |

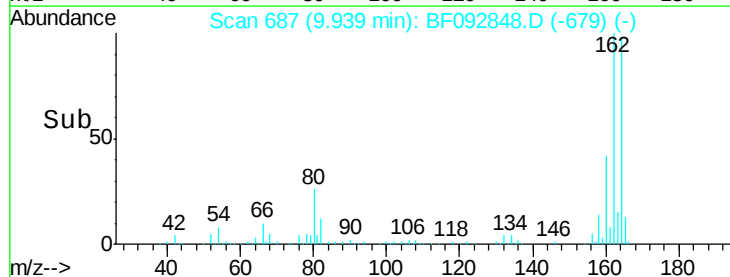
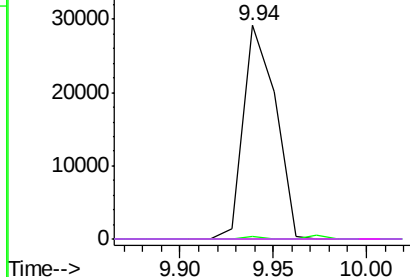


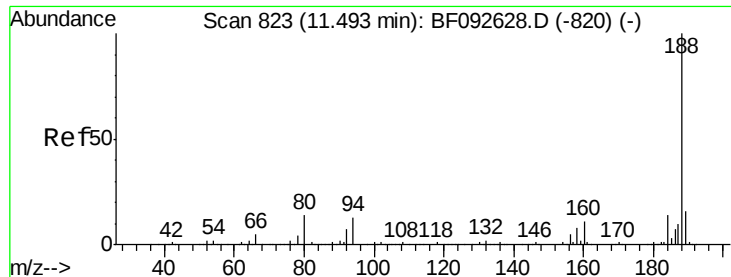
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E

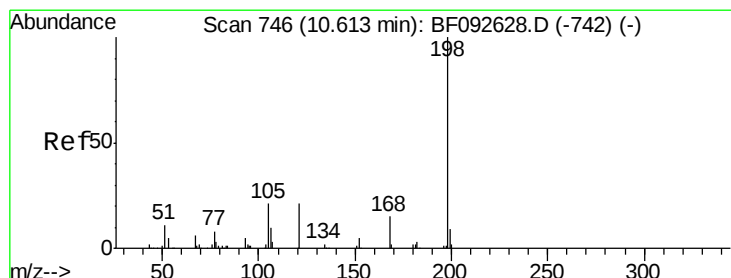
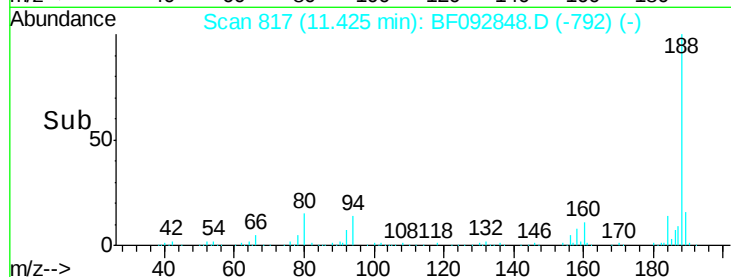
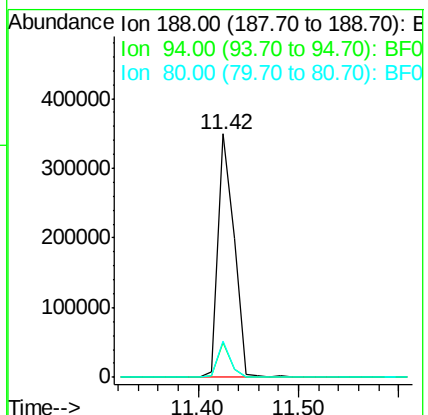
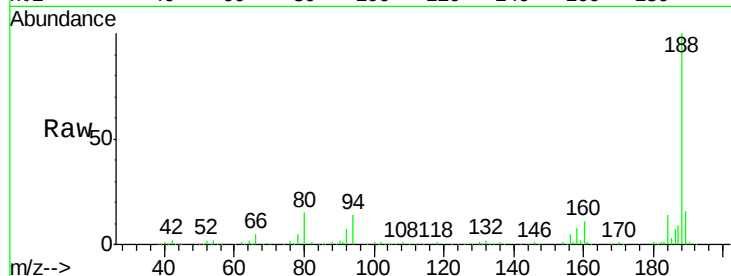




#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.42 min Scan# 817  
Delta R.T. -0.01 min  
Lab File: BF092848.D  
Acq: 8 Feb 2017 2:43

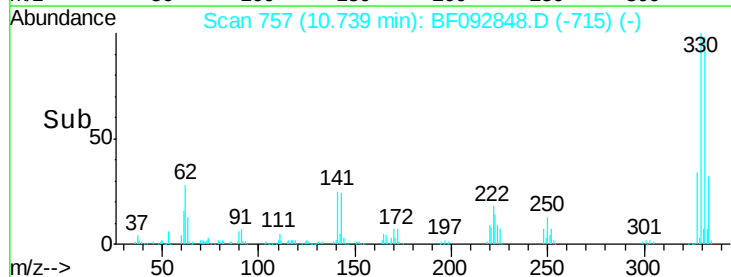
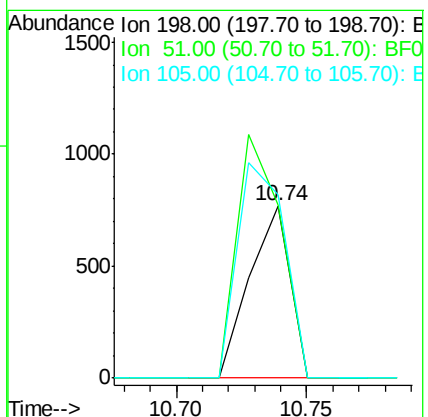
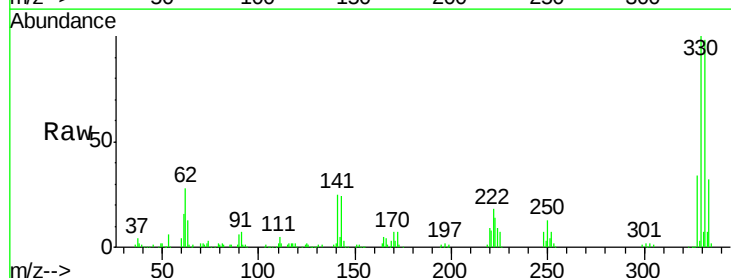
Instrument :  
BNA\_F  
ClientSampleId :  
WC-SCW-COMP-04

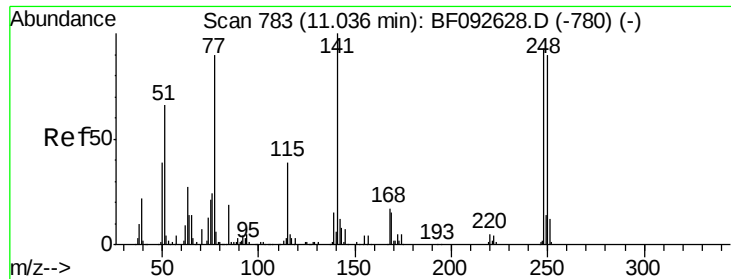
Tgt Ion:188 Resp: 388557  
Ion Ratio Lower Upper  
188 100  
94 14.5 10.0 15.0  
80 14.9 11.2 16.8



#64  
4,6-Dinitro-2-methylphenol  
Concen: 3.00 ng  
RT: 10.74 min Scan# 757  
Delta R.T. 0.18 min  
Lab File: BF092848.D  
Acq: 8 Feb 2017 2:43

Tgt Ion:198 Resp: 835  
Ion Ratio Lower Upper  
198 100  
51 100.5 6.7 46.7#  
105 107.0 16.6 56.6#





#66

4-Bromophenyl-phenylether

Concen: 5.01 ng

RT: 10.74 min Scan# 757

Delta R.T. -0.24 min

Lab File: BF092848.D

Acq: 8 Feb 2017 2:43

Instrument :

BNA\_F

ClientSampleId :

WC-SCW-COMP-04

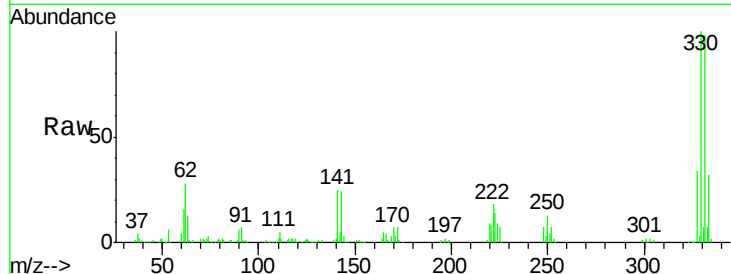
Tgt Ion:248 Resp: 20324

Ion Ratio Lower Upper

248 100

250 184.2 76.9 115.3#

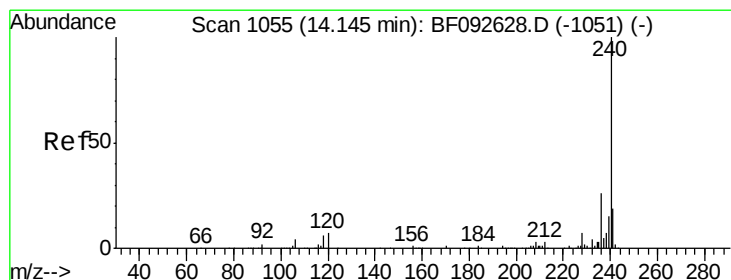
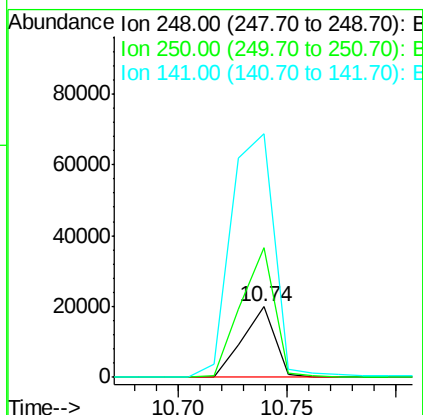
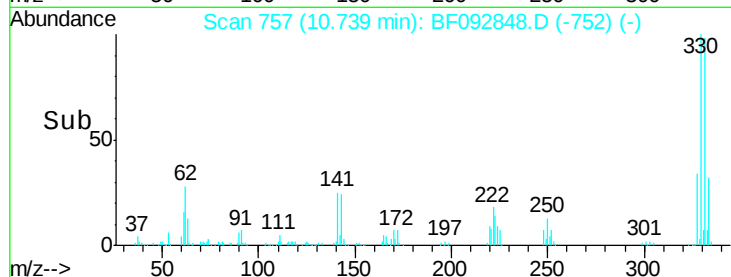
141 345.2 68.2 102.4#



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: 14.07 min Scan# 1048

Delta R.T. -0.01 min

Lab File: BF092848.D

Acq: 8 Feb 2017 2:43

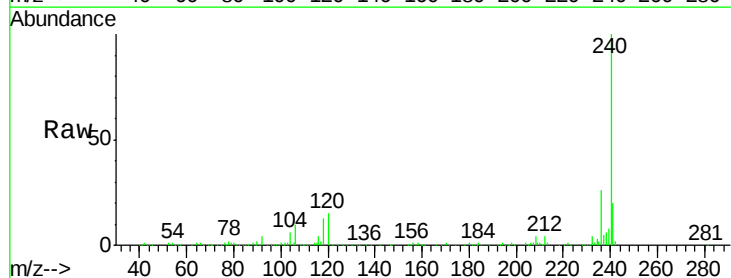
Tgt Ion:240 Resp: 299732

Ion Ratio Lower Upper

240 100

120 14.6 12.9 19.3

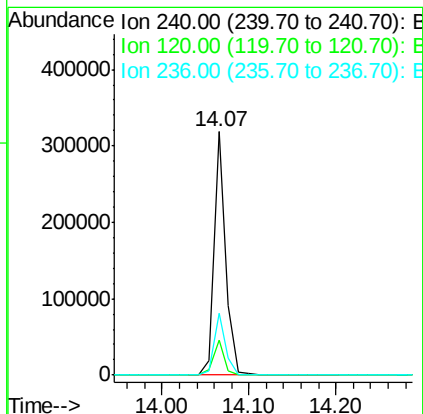
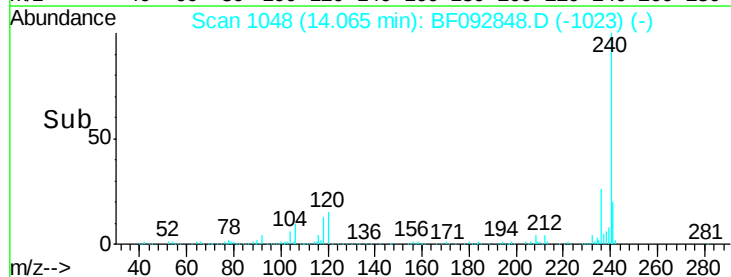
236 25.6 20.9 31.3

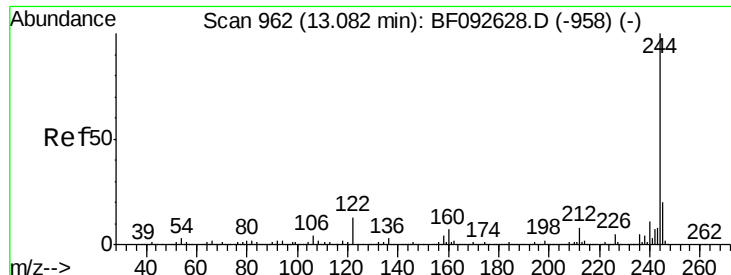


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

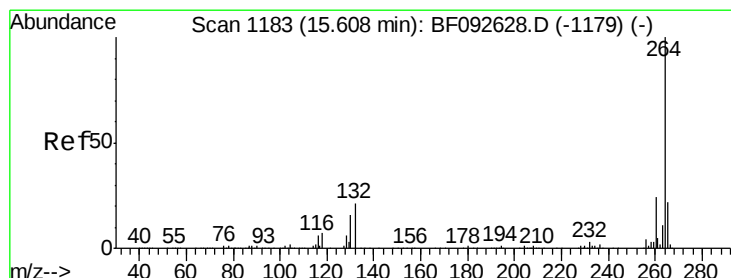
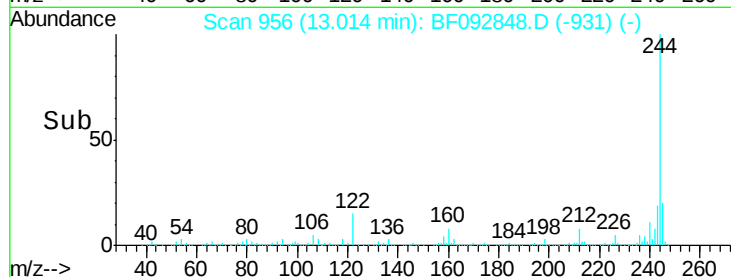
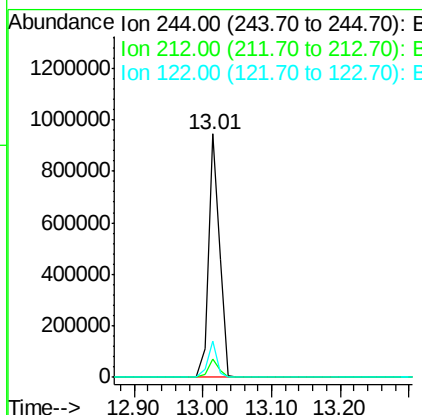
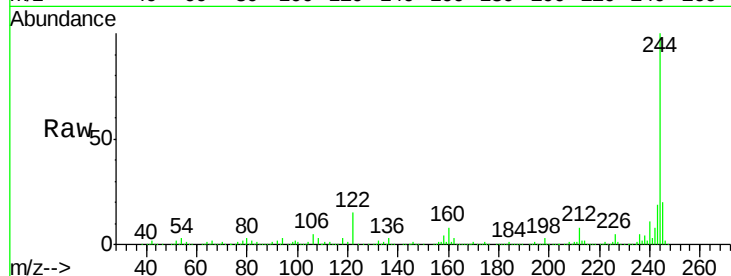




#78  
 Terphenyl-d14  
 Concen: 82.18 ng  
 RT: 13.01 min Scan# 956  
 Delta R.T. -0.01 min  
 Lab File: BF092848.D  
 Acq: 8 Feb 2017 2:43

Instrument :  
 BNA\_F  
 ClientSampleId :  
 WC-SCW-COMP-04

Tgt Ion:244 Resp: 1048307  
 Ion Ratio Lower Upper  
 244 100  
 212 7.6 6.2 9.2  
 122 15.2 11.4 17.2



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.52 min Scan# 1175  
 Delta R.T. -0.01 min  
 Lab File: BF092848.D  
 Acq: 8 Feb 2017 2:43

Tgt Ion:264 Resp: 259864  
 Ion Ratio Lower Upper  
 264 100  
 260 24.6 19.2 28.8  
 265 21.5 17.4 26.0

