

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092415\  
 Data File : BF081779.D  
 Acq On : 24 Sep 2015 23:01  
 Operator : UM/IZ  
 Sample : G3747-02 5X  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TRENCH-1-2DL

Quant Time: Sep 25 06:05:53 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092415.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Sep 25 06:04:07 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.95  | 152  | 195353   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.25  | 136  | 641644   | 20.00 | ng    | 0.01     |
| 38) Acenaphthene-d10      | 10.01 | 164  | 313509   | 20.00 | ng    | 0.01     |
| 63) Phenanthrene-d10      | 11.50 | 188  | 568022   | 20.00 | ng    | 0.02     |
| 75) Chrysene-d12          | 14.12 | 240  | 675096   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 15.58 | 264  | 526217   | 20.00 | ng    | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 5) 2-Fluorophenol           | 5.53  | 112  | 174407   | 15.10 | ng    | -0.01    |
| 7) Phenol-d6                | 6.56  | 99   | 234202   | 16.03 | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.51  | 82   | 169279   | 17.41 | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 10.80 | 330  | 26654    | 9.79  | ng    | 0.01     |
| 44) 2-Fluorobiphenyl        | 9.33  | 172  | 219157   | 11.48 | ng    | 0.01     |
| 78) Terphenyl-d14           | 13.06 | 244  | 272337   | 9.22  | ng    | 0.00     |

| Target Compounds               | R.T.  | QIon | Response | Conc  | Units | Qvalue |
|--------------------------------|-------|------|----------|-------|-------|--------|
| 18) Hexachloroethane           | 7.42  | 117  | 65050    | 13.11 | ng    | # 1    |
| 19) n-Nitroso-di-n-propylamine | 7.38  | 70   | 30161    | 3.10  | ng    | # 51   |
| 22) Acetophenone               | 7.42  | 105  | 72157    | 5.13  | ng    | # 54   |
| 24) Nitrobenzene               | 7.60  | 77   | 25973    | 2.39  | ng    | # 31   |
| 25) Isophorone                 | 7.77  | 82   | 130512   | 6.06  | ng    | # 1    |
| 26) 2-Nitrophenol              | 7.86  | 139  | 9525     | 2.42  | ng    | # 1    |
| 27) 2,4-Dimethylphenol         | 7.90  | 122  | 20486    | 2.10  | ng    | # 1    |
| 28) bis(2-Chloroethoxy)methane | 8.01  | 93   | 28747    | 2.28  | ng    | # 1    |
| 31) Naphthalene                | 8.27  | 128  | 880568   | 29.75 | ng    | # 92   |
| 32) Benzoic acid               | 8.03  | 122  | 13346    | 7.02  | ng    | # 1    |
| 33) 4-Chloroaniline            | 8.27  | 127  | 182163   | 14.02 | ng    | # 38   |
| 35) Caprolactam                | 8.67  | 113  | 159399   | 65.59 | ng    | # 2    |
| 36) 4-Chloro-3-methylphenol    | 8.78  | 107  | 31307    | 3.43  | ng    | # 21   |
| 37) 2-Methylnaphthalene        | 8.97  | 142  | 1863739  | 88.35 | ng    | # 86   |
| 45) 1,1'-Biphenyl              | 9.43  | 154  | 513580   | 20.95 | ng    | # 94   |
| 47) 2-Nitroaniline             | 9.52  | 65   | 24248    | 4.62  | ng    | # 35   |
| 49) Dimethylphthalate          | 9.71  | 163  | 69437    | 2.91  | ng    | # 73   |
| 50) 2,6-Dinitrotoluene         | 9.77  | 165  | 18791    | 4.08  | ng    | # 87   |
| 51) Acenaphthene               | 10.05 | 154  | 90496    | 4.71  | ng    | # 5    |
| 52) 3-Nitroaniline             | 9.95  | 138  | 22393    | 4.48  | ng    | # 58   |
| 53) 2,4-Dinitrophenol          | 10.08 | 184  | 3415     | 18.27 | ng    | # 1    |
| 54) Dibenzofuran               | 10.22 | 168  | 97642    | 3.46  | ng    | # 1    |
| 55) 4-Nitrophenol              | 10.11 | 139  | 90017    | 26.14 | ng    | # 49   |
| 56) 2,4-Dinitrotoluene         | 10.22 | 165  | 60041    | 10.89 | ng    | # 65   |
| 57) Fluorene                   | 10.56 | 166  | 247861   | 11.45 | ng    | # 82   |
| 61) 4-Nitroaniline             | 10.47 | 138  | 14947    | 3.08  | ng    | # 67   |
| 62) Azobenzene                 | 10.72 | 77   | 48095    | 2.04  | ng    | # 1    |
| 64) 4,6-Dinitro-2-methylphenol | 10.65 | 198  | 5038     | 13.23 | ng    | # 1    |
| 65) n-Nitrosodiphenylamine     | 10.66 | 169  | 307694   | 16.06 | ng    | # 47   |
| 69) Pentachlorophenol          | 11.33 | 266  | 2181     | 6.20  | ng    | # 35   |
| 70) Phenanthrene               | 11.52 | 178  | 712392   | 21.94 | ng    | # 92   |
| 71) Anthracene                 | 11.60 | 178  | 90771    | 2.90  | ng    | # 1    |

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Data File : BF081779.D  
Acq On : 24 Sep 2015 23:01  
Operator : UM/IZ  
Sample : G3747-02 5X  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

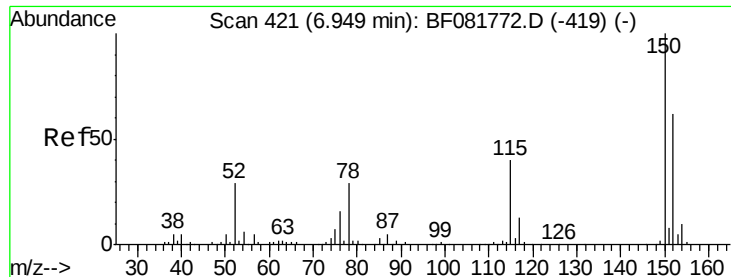
Instrument :  
BNA\_F  
ClientSampleId :  
TRENCH-1-2DL

Quant Time: Sep 25 06:05:53 2015  
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092415.M  
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QLast Update : Fri Sep 25 06:04:07 2015  
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|--------------------|------|------|----------|------|-------|----------|
|--------------------|------|------|----------|------|-------|----------|

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





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.95 min Scan# 421

Delta R.T. -0.00 min

Lab File: BF081779.D

Acq: 24 Sep 2015 23:01

Instrument :

BNA\_F

ClientSampleId :

TRENCH-1-2DL

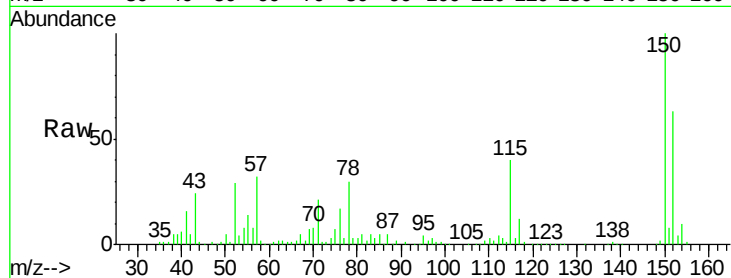
Tot Ion:152 Resp: 195353

Ion Ratio Lower Upper

152 100

150 159.0 124.7 187.1

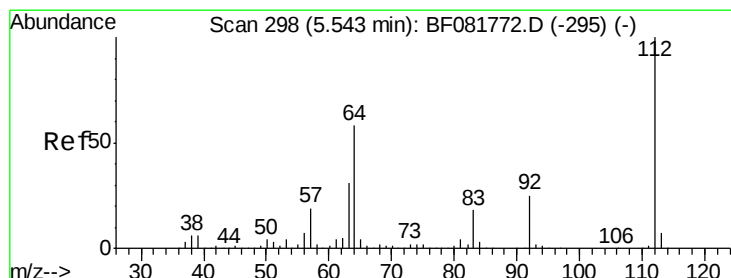
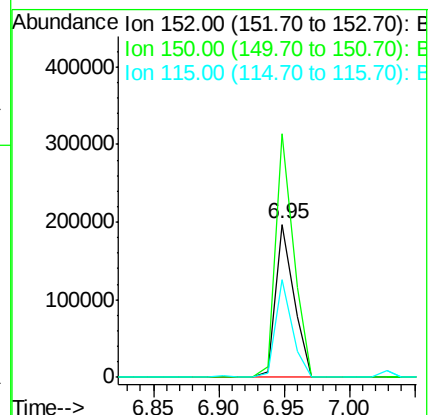
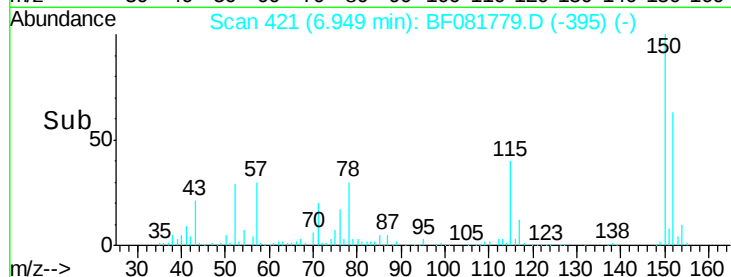
115 64.1 39.0 58.4#



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: 15.10 ng

RT: 5.53 min Scan# 297

Delta R.T. -0.01 min

Lab File: BF081779.D

Acq: 24 Sep 2015 23:01

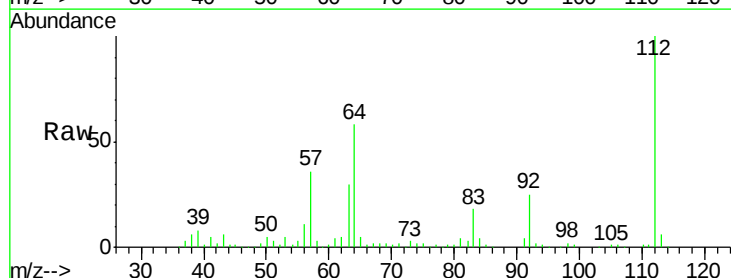
Tgt Ion:112 Resp: 174407

Ion Ratio Lower Upper

112 100

64 58.3 39.7 59.5

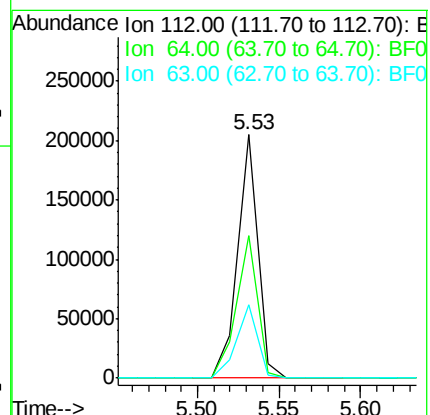
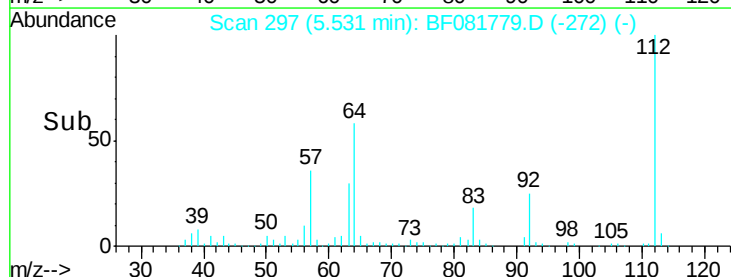
63 30.1 17.4 26.0#

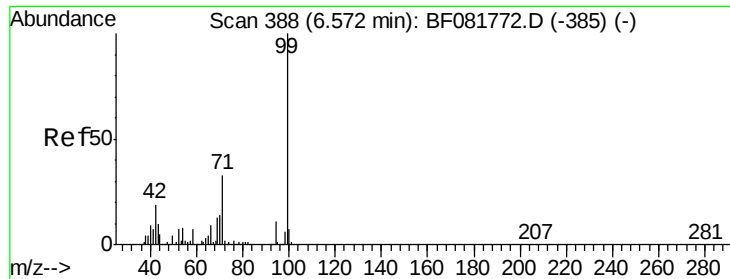


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 16.03 ng

RT: 6.56 min Scan# 387

Delta R.T. -0.01 min

Lab File: BF081779.D

Acq: 24 Sep 2015 23:01

Instrument :

BNA\_F

ClientSampleId :

TRENCH-1-2DL

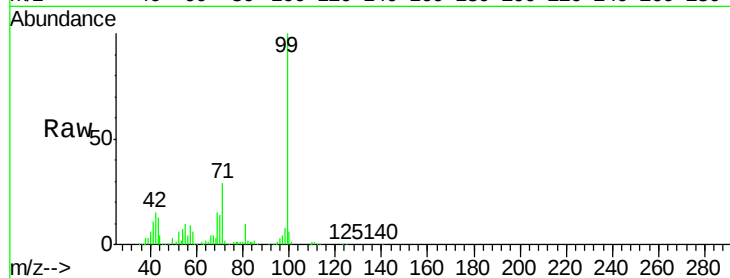
Tot Ion: 99 Resp: 234202

Ion Ratio Lower Upper

99 100

42 15.4 13.7 20.5

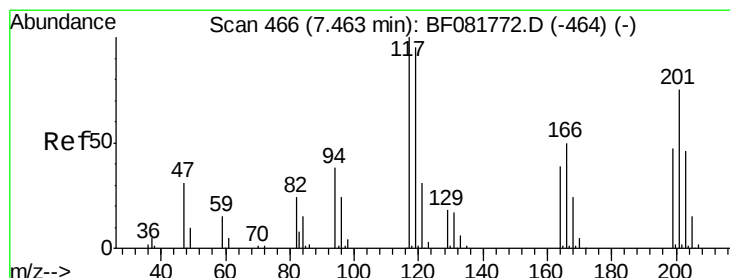
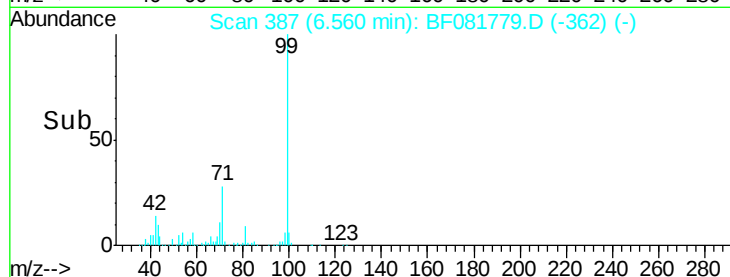
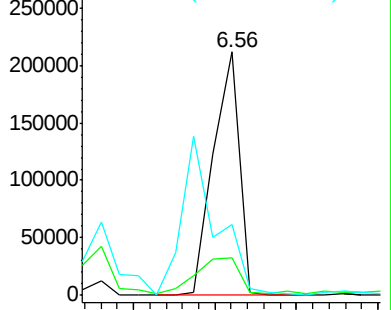
71 29.1 14.2 21.2#



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



#18

Hexachloroethane

Concen: 13.11 ng

RT: 7.42 min Scan# 462

Delta R.T. -0.05 min

Lab File: BF081779.D

Acq: 24 Sep 2015 23:01

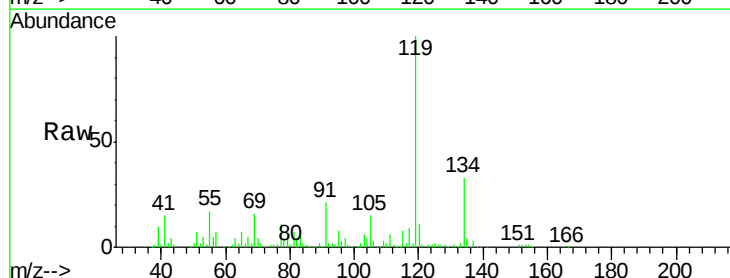
Tgt Ion: 117 Resp: 65050

Ion Ratio Lower Upper

117 100

119 1087.4 83.8 125.6#

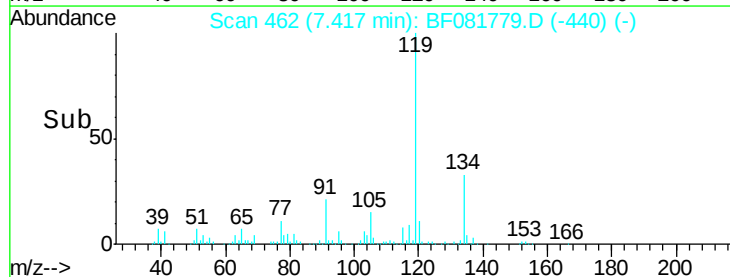
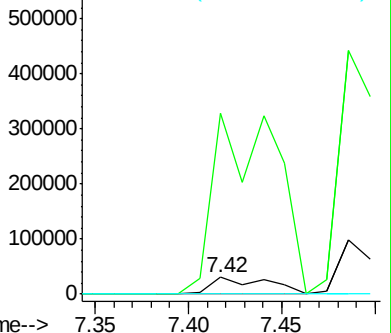
201 0.0 55.1 82.7#

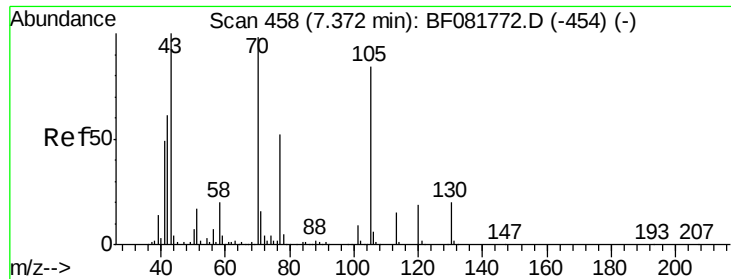


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

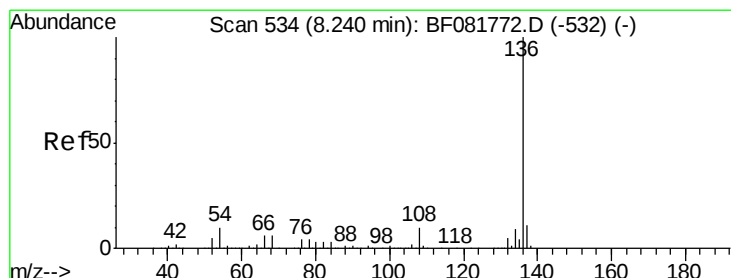
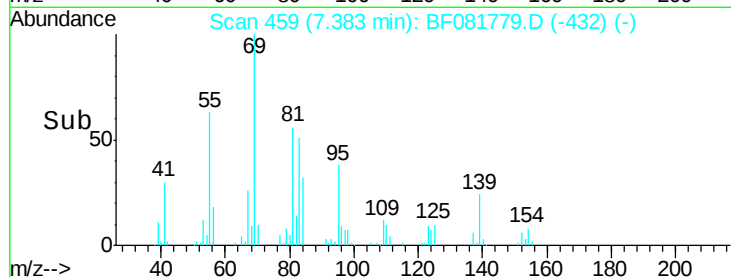
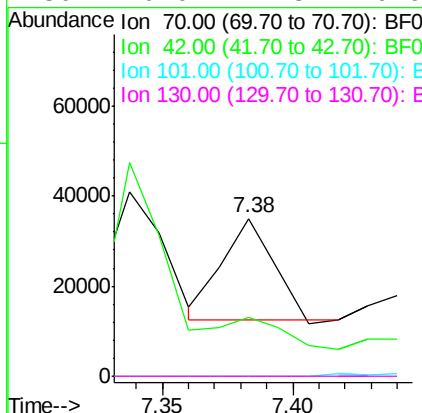
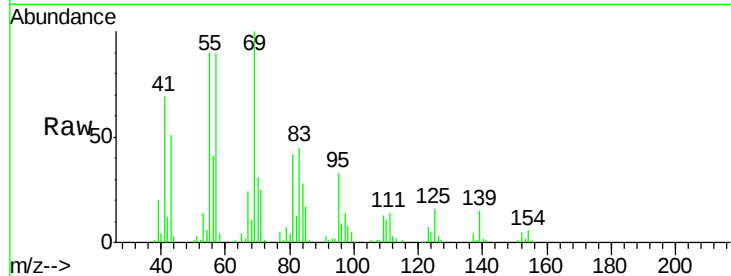




#19  
n-Nitroso-di-n-propylamine  
Concen: 3.10 ng  
RT: 7.38 min Scan# 459  
Delta R.T. 0.01 min  
Lab File: BF081779.D  
Acq: 24 Sep 2015 23:01

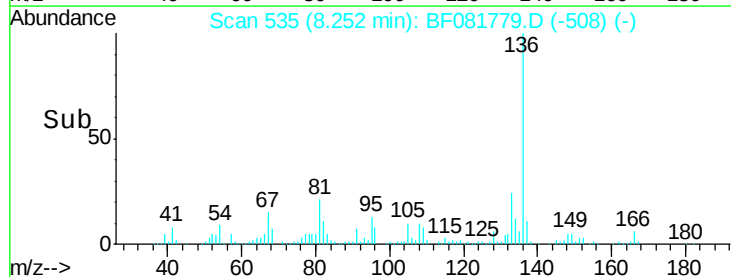
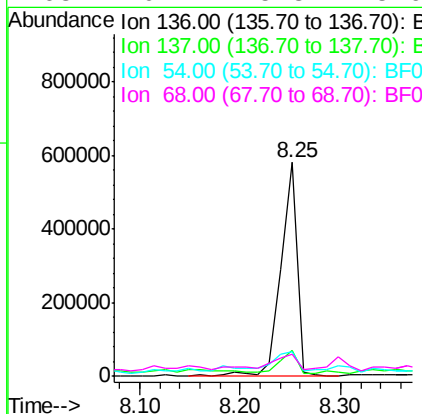
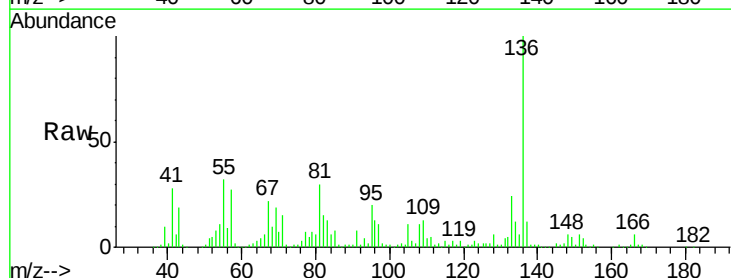
Instrument :  
BNA\_F  
ClientSampleId :  
TRENCH-1-2DL

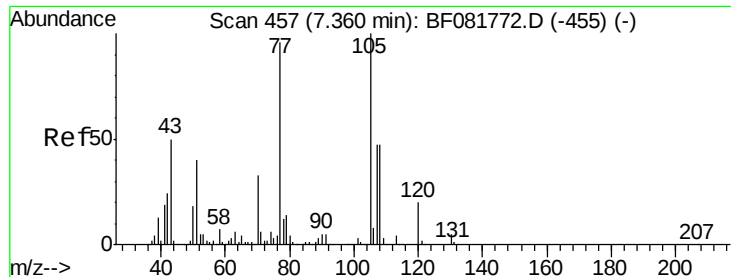
Tot Ion: 70 Resp: 30161  
Ion Ratio Lower Upper  
70 100  
42 37.4 63.8 95.6#  
101 0.0 9.2 13.8#  
130 0.0 27.3 40.9#



#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.25 min Scan# 535  
Delta R.T. 0.01 min  
Lab File: BF081779.D  
Acq: 24 Sep 2015 23:01

Tgt Ion: 136 Resp: 641644  
Ion Ratio Lower Upper  
136 100  
137 12.3 9.0 13.6  
54 11.2 8.2 12.2  
68 10.2 5.8 8.6#





#22

Acetophenone

Concen: 5.13 ng

RT: 7.42 min Scan# 462

Delta R.T. 0.06 min

Lab File: BF081779.D

Acq: 24 Sep 2015 23:01

Instrument :

BNA\_F

ClientSampleId :

TRENCH-1-2DL

Tot Ion:105 Resp: 72157

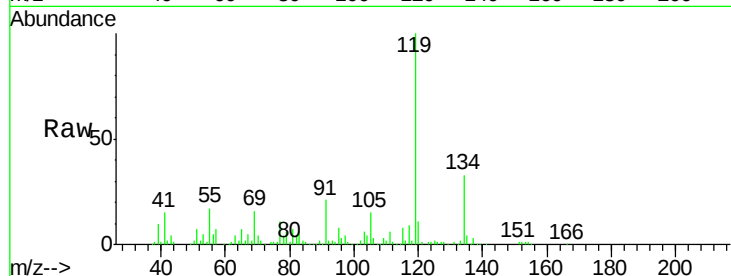
Ion Ratio Lower Upper

105 100

71 14.9 4.7 7.1#

51 47.4 22.0 33.0#

120 71.1 30.1 45.1#

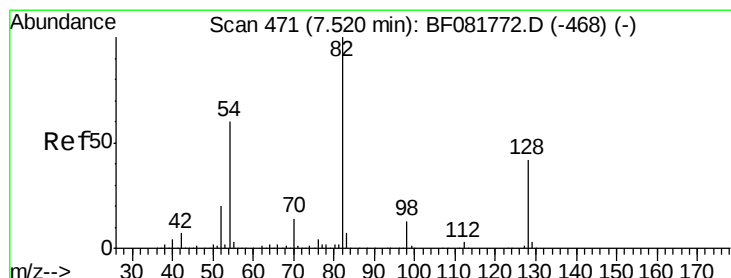
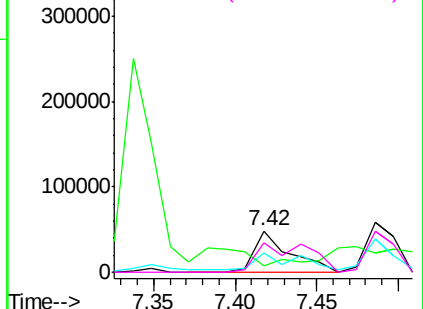
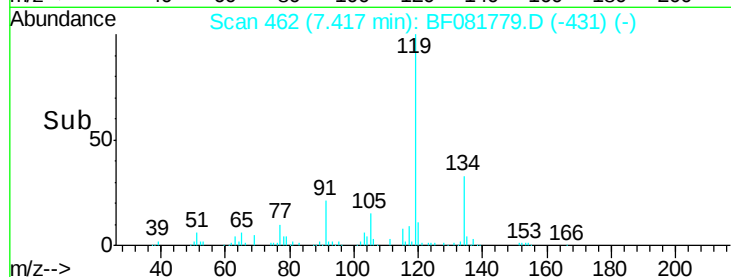


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E



#23

Nitrobenzene-d5

Concen: 17.41 ng

RT: 7.51 min Scan# 470

Delta R.T. -0.01 min

Lab File: BF081779.D

Acq: 24 Sep 2015 23:01

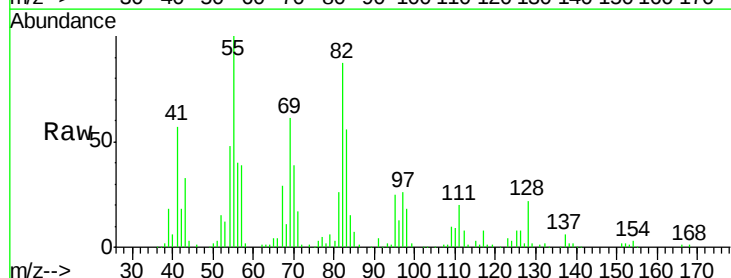
Tgt Ion: 82 Resp: 169279

Ion Ratio Lower Upper

82 100

128 25.2 51.0 76.6#

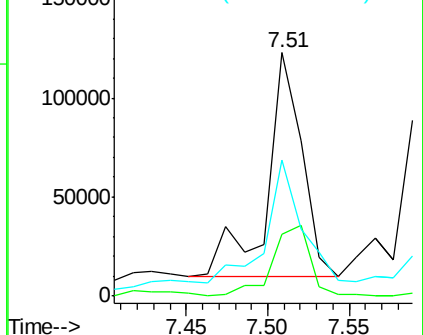
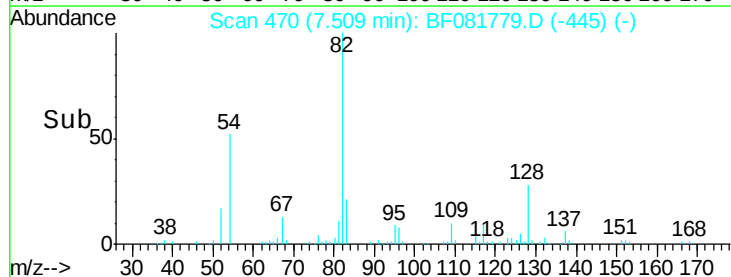
54 55.8 47.5 71.3

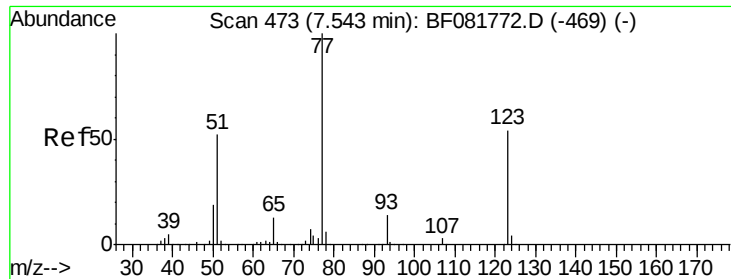


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#24

Nitrobenzene

Concen: 2.39 ng

RT: 7.60 min Scan# 478

Delta R.T. 0.06 min

Lab File: BF081779.D

Acq: 24 Sep 2015 23:01

Instrument :

BNA\_F

ClientSampleId :

TRENCH-1-2DL

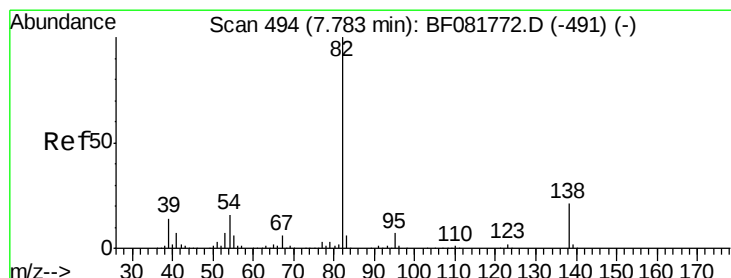
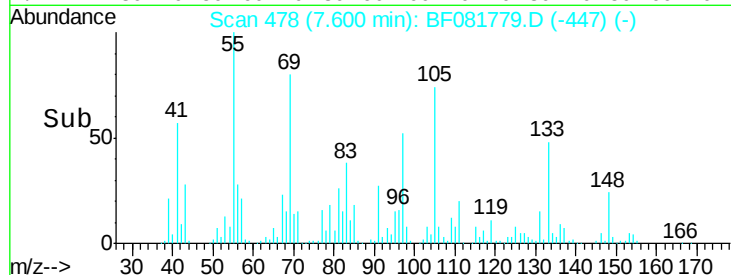
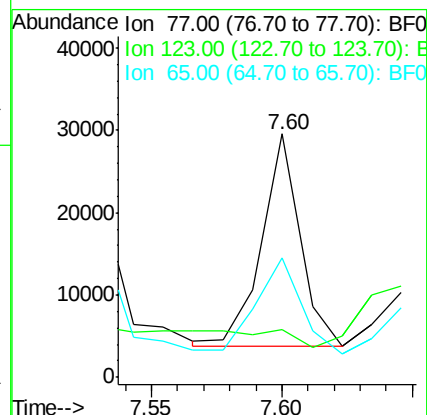
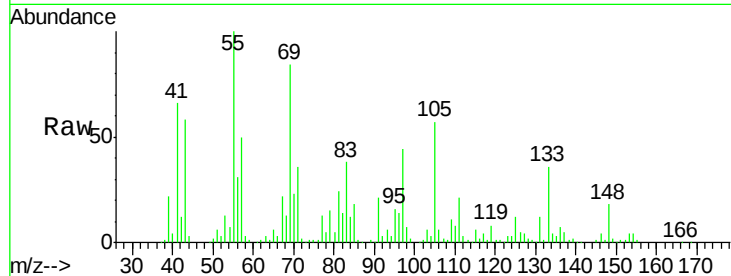
Tot Ion: 77 Resp: 25973

Ion Ratio Lower Upper

77 100

123 19.8 59.8 89.8#

65 49.1 10.2 15.4#



#25

Isophorone

Concen: 6.06 ng

RT: 7.77 min Scan# 493

Delta R.T. -0.01 min

Lab File: BF081779.D

Acq: 24 Sep 2015 23:01

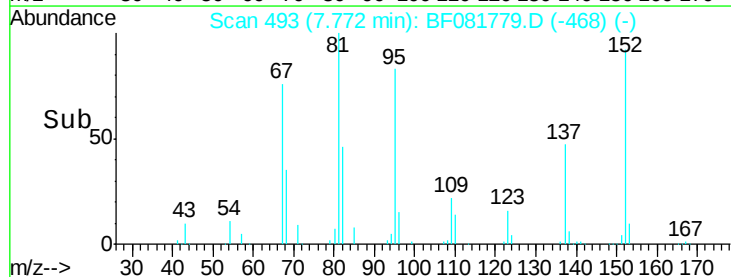
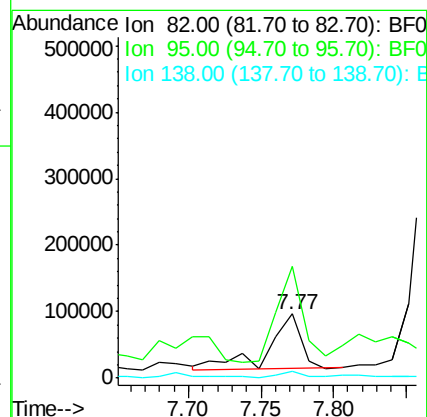
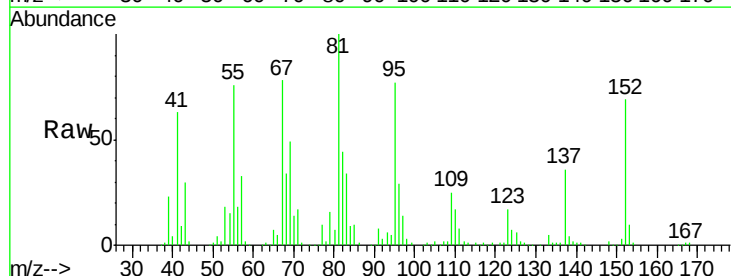
Tgt Ion: 82 Resp: 130512

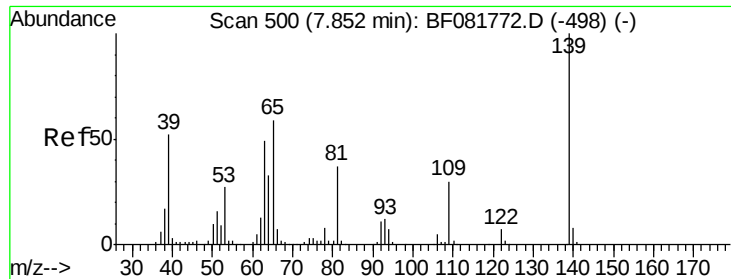
Ion Ratio Lower Upper

82 100

95 175.3 4.0 6.0#

138 10.2 18.3 27.5#

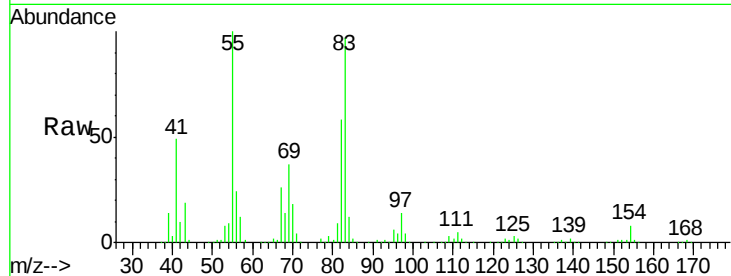




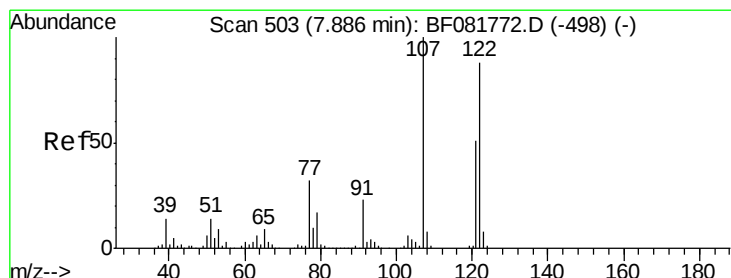
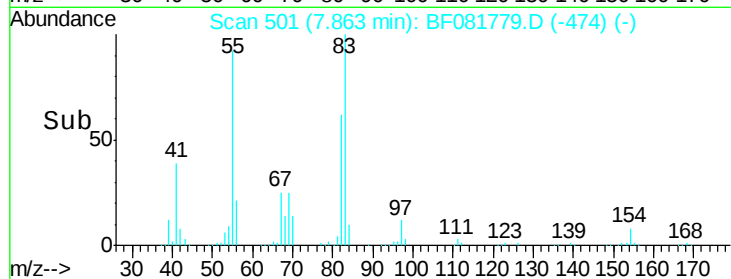
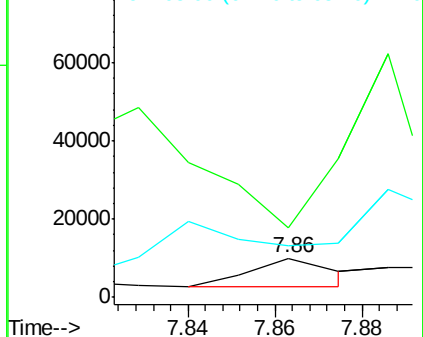
#26  
2-Nitrophenol  
Concen: 2.42 ng  
RT: 7.86 min Scan# 501  
Delta R.T. 0.01 min  
Lab File: BF081779.D  
Acq: 24 Sep 2015 23:01

Instrument :  
BNA\_F  
ClientSampleId :  
TRENCH-1-2DL

Tot Ion:139 Resp: 9525  
Ion Ratio Lower Upper  
139 100  
109 177.6 11.0 16.4#  
65 131.1 24.7 37.1#

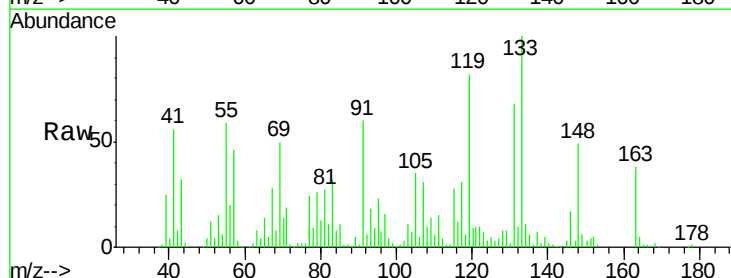


Abundance Ion 139.00 (138.70 to 139.70): E  
Ion 109.00 (108.70 to 109.70): E  
Ion 65.00 (64.70 to 65.70): E

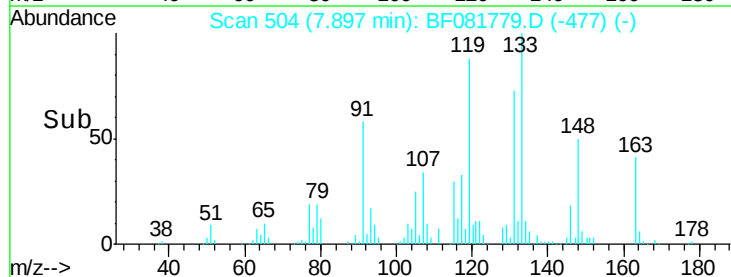
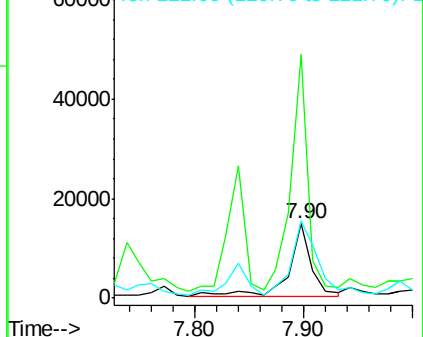


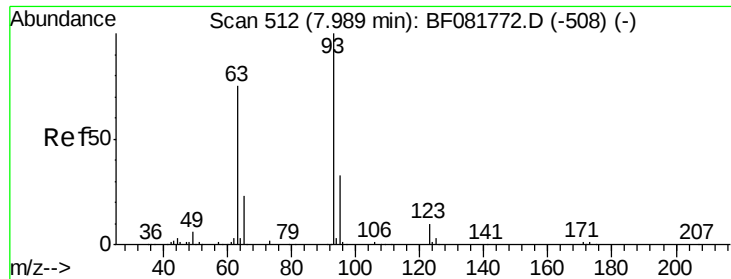
#27  
2,4-Dimethylphenol  
Concen: 2.10 ng  
RT: 7.90 min Scan# 504  
Delta R.T. 0.01 min  
Lab File: BF081779.D  
Acq: 24 Sep 2015 23:01

Tgt Ion:122 Resp: 20486  
Ion Ratio Lower Upper  
122 100  
107 327.8 71.8 107.6#  
121 104.4 42.3 63.5#



Abundance Ion 122.00 (121.70 to 122.70): E  
Ion 107.00 (106.70 to 107.70): E  
Ion 121.00 (120.70 to 121.70): E

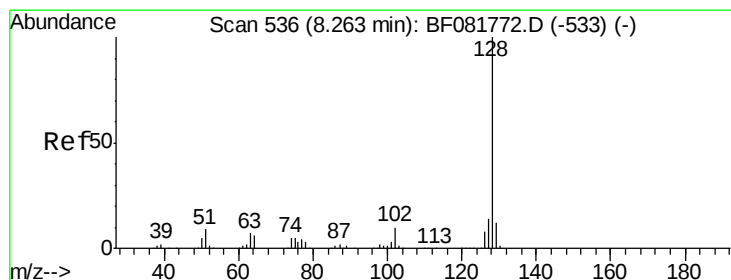
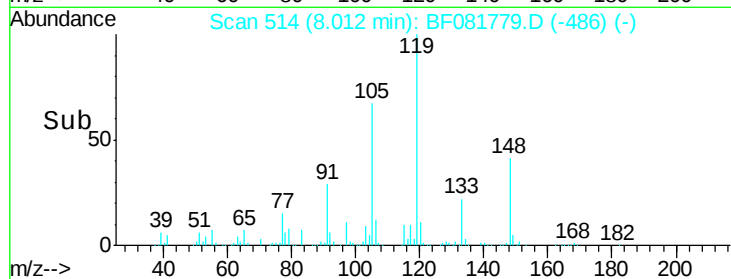
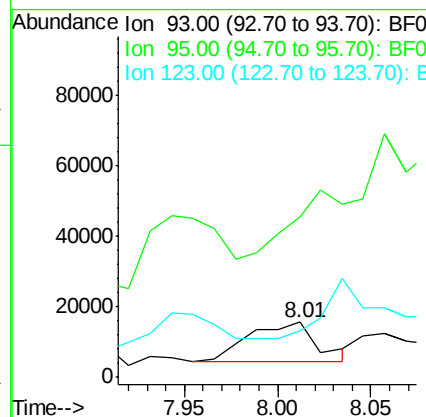
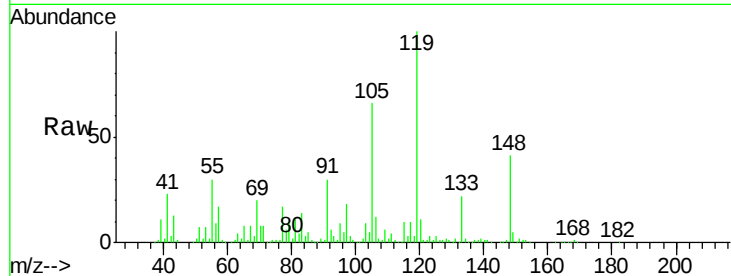




#28  
bis(2-Chloroethoxy)methane  
Concen: 2.28 ng  
RT: 8.01 min Scan# 514  
Delta R.T. 0.02 min  
Lab File: BF081779.D  
Acq: 24 Sep 2015 23:01

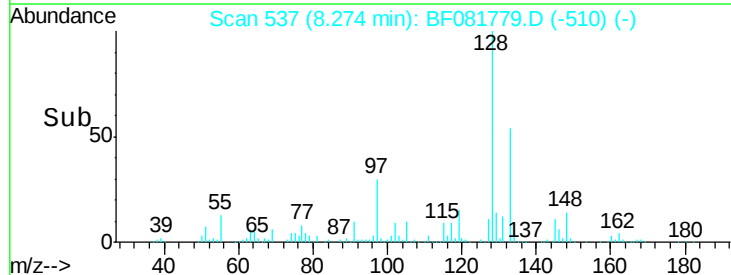
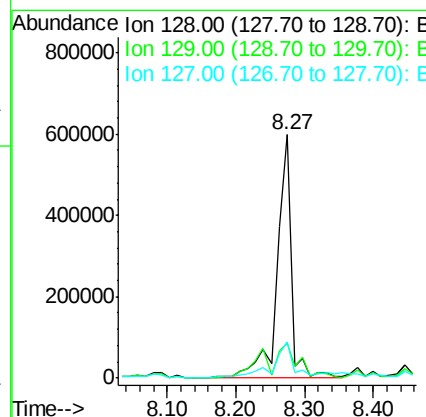
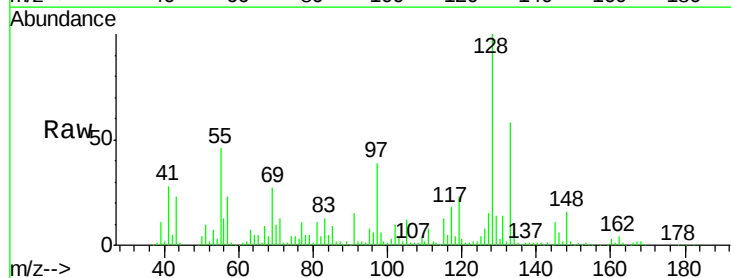
Instrument :  
BNA\_F  
ClientSampleId :  
TRENCH-1-2DL

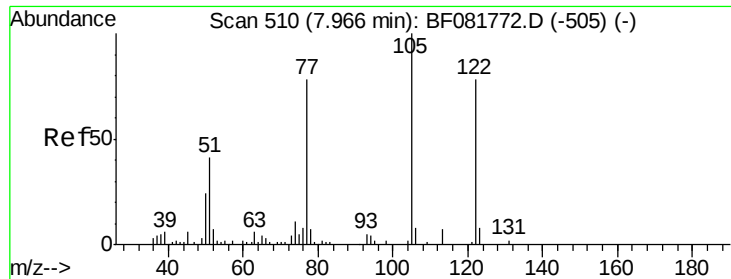
Tot Ion: 93 Resp: 28747  
Ion Ratio Lower Upper  
93 100  
95 291.2 27.5 41.3#  
123 83.8 13.7 20.5#



#31  
Naphthalene  
Concen: 29.75 ng  
RT: 8.27 min Scan# 537  
Delta R.T. 0.01 min  
Lab File: BF081779.D  
Acq: 24 Sep 2015 23:01

Tgt Ion: 128 Resp: 880568  
Ion Ratio Lower Upper  
128 100  
129 14.1 8.4 12.6#  
127 14.9 9.9 14.9#

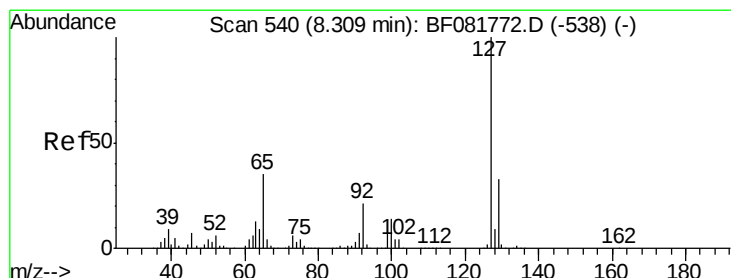
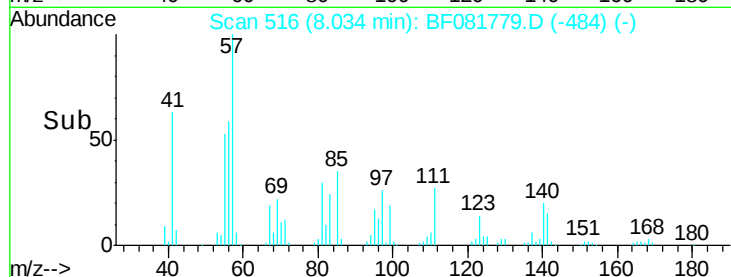
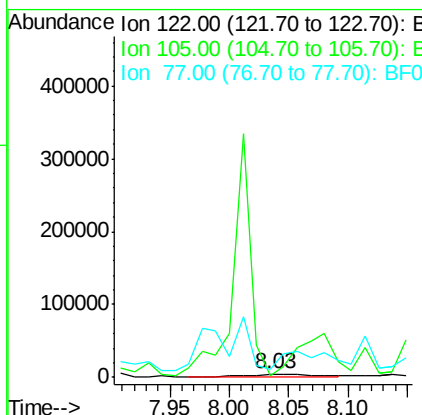
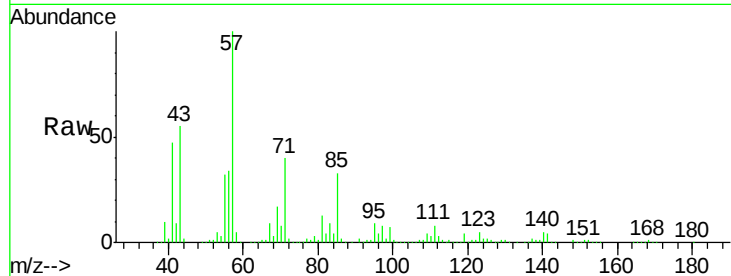




#32  
Benzoic acid  
Concen: 7.02 ng  
RT: 8.03 min Scan# 516  
Delta R.T. 0.07 min  
Lab File: BF081779.D  
Acq: 24 Sep 2015 23:01

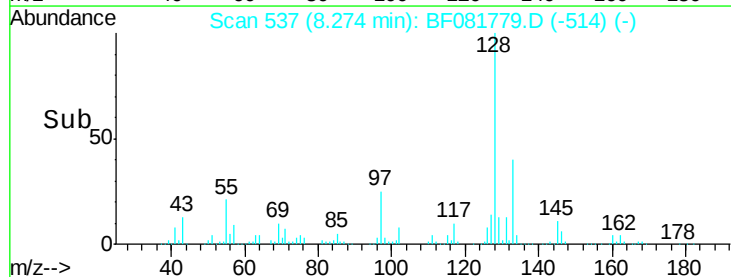
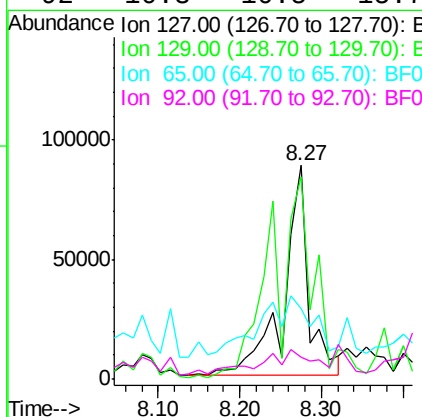
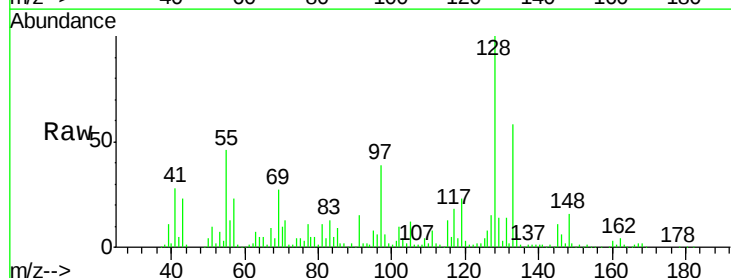
Instrument :  
BNA\_F  
ClientSampleId :  
TRENCH-1-2DL

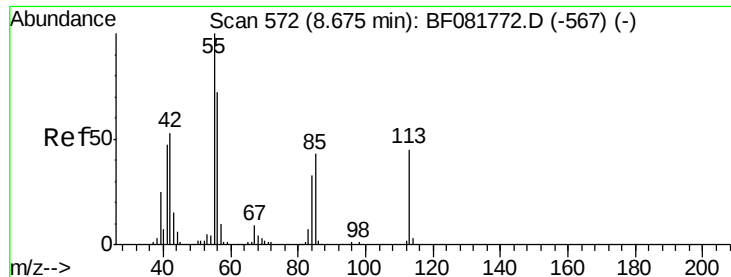
Tot Ion:122 Resp: 13346  
Ion Ratio Lower Upper  
122 100  
105 57.2 76.1 116.1#  
77 246.6 40.5 80.5#



#33  
4-Chloroaniline  
Concen: 14.02 ng  
RT: 8.27 min Scan# 537  
Delta R.T. -0.03 min  
Lab File: BF081779.D  
Acq: 24 Sep 2015 23:01

Tgt Ion:127 Resp: 182163  
Ion Ratio Lower Upper  
127 100  
129 94.6 25.8 38.6#  
65 32.7 17.9 26.9#  
92 10.3 10.5 15.7#





#35

Caprolactam

Concen: 65.59 ng

RT: 8.67 min Scan# 572

Delta R.T. -0.00 min

Lab File: BF081779.D

Acq: 24 Sep 2015 23:01

Instrument :

BNA\_F

ClientSampleId :

TRENCH-1-2DL

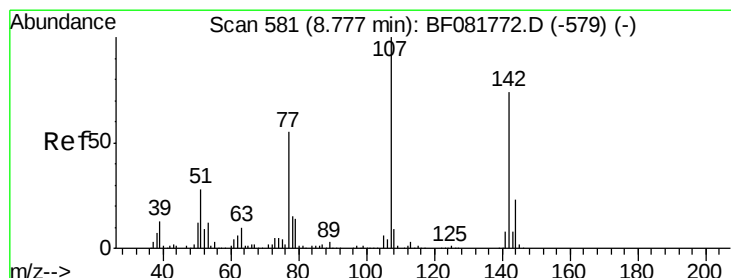
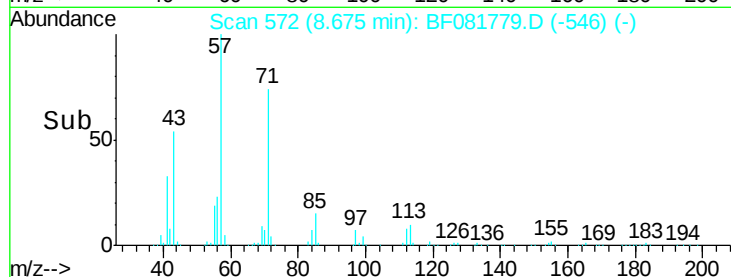
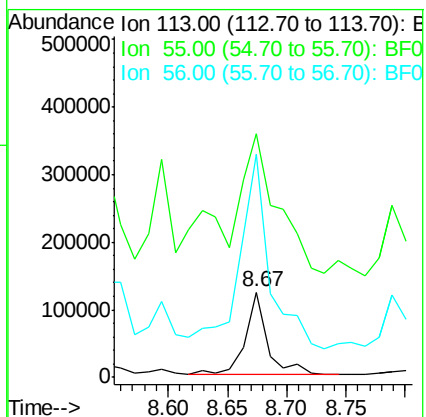
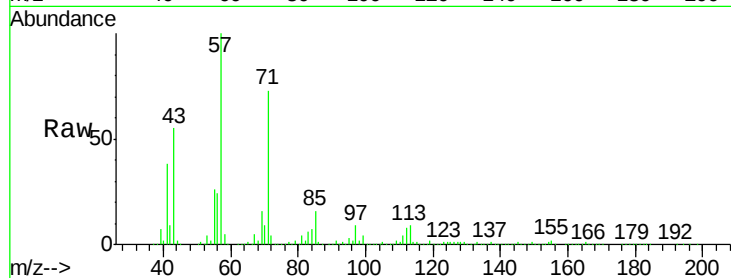
Tot Ion:113 Resp: 159399

Ion Ratio Lower Upper

113 100

55 285.4 152.4 192.4#

56 262.0 104.6 144.6#



#36

4-Chloro-3-methylphenol

Concen: 3.43 ng

RT: 8.78 min Scan# 581

Delta R.T. -0.00 min

Lab File: BF081779.D

Acq: 24 Sep 2015 23:01

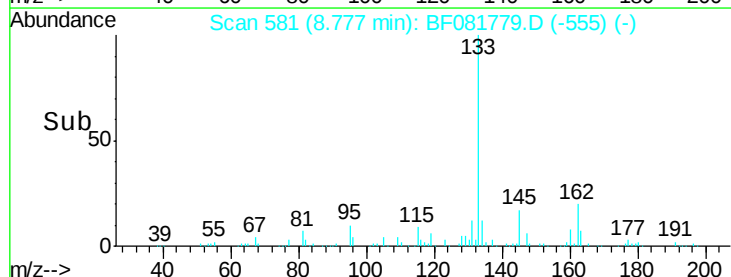
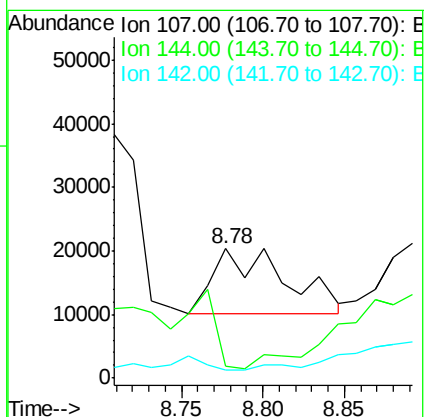
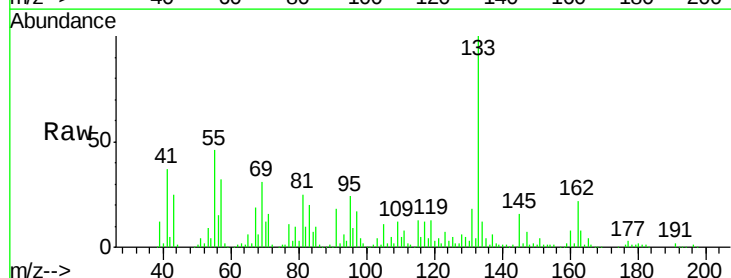
Tgt Ion:107 Resp: 31307

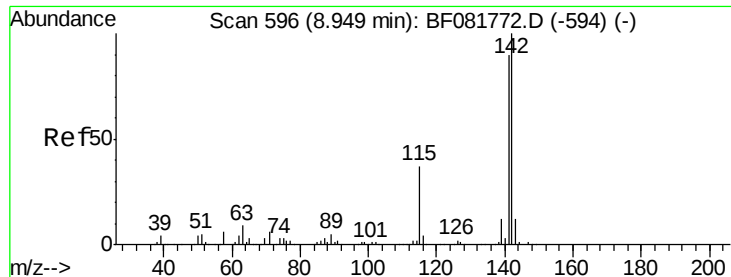
Ion Ratio Lower Upper

107 100

144 8.8 25.4 38.0#

142 6.5 77.3 115.9#

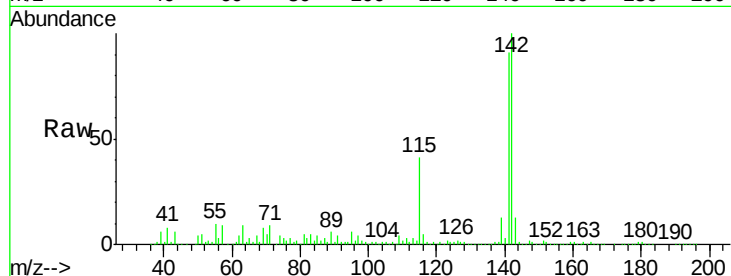




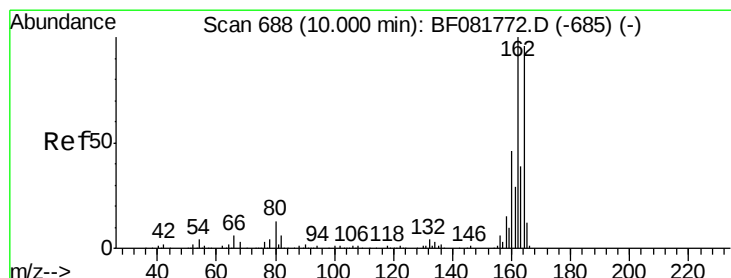
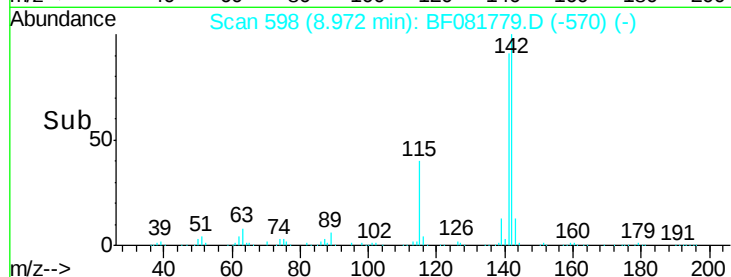
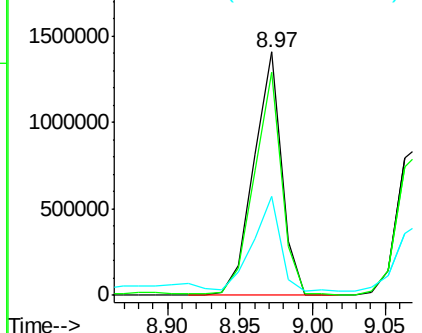
#37  
2-Methylnaphthalene  
Concen: 88.35 ng  
RT: 8.97 min Scan# 598  
Delta R.T. 0.02 min  
Lab File: BF081779.D  
Acq: 24 Sep 2015 23:01

Instrument :  
BNA\_F  
ClientSampleId :  
TRENCH-1-2DL

Tot Ion:142 Resp: 1863739  
Ion Ratio Lower Upper  
142 100  
141 91.4 67.5 101.3  
115 40.8 18.2 27.2#

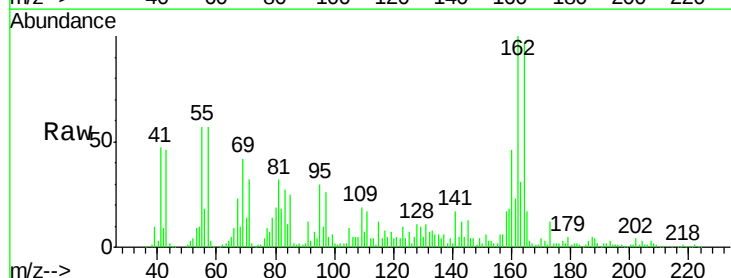


Abundance Ion 142.00 (141.70 to 142.70): E  
Ion 141.00 (140.70 to 141.70): E  
Ion 115.00 (114.70 to 115.70): E

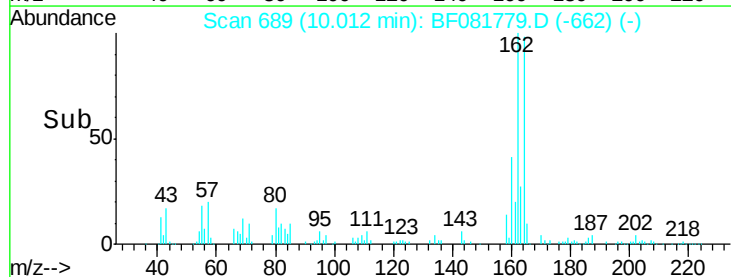
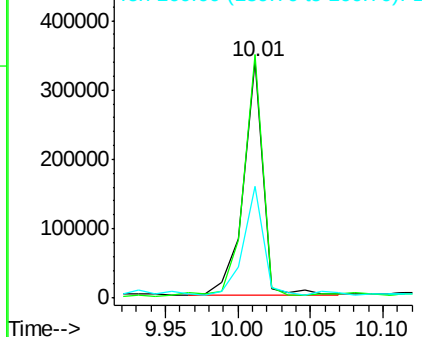


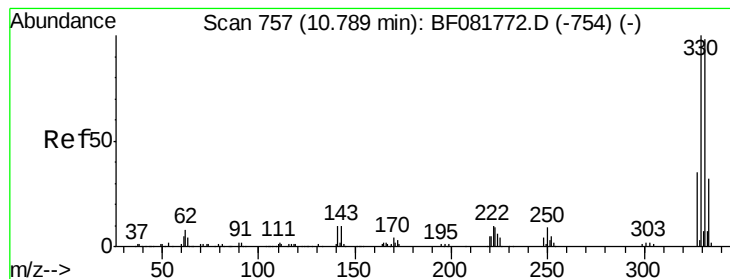
#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 10.01 min Scan# 689  
Delta R.T. 0.01 min  
Lab File: BF081779.D  
Acq: 24 Sep 2015 23:01

Tgt Ion:164 Resp: 313509  
Ion Ratio Lower Upper  
164 100  
162 102.7 75.2 112.8  
160 47.3 31.5 47.3#



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: 9.79 ng

RT: 10.80 min Scan# 758

Delta R.T. 0.01 min

Lab File: BF081779.D

Acq: 24 Sep 2015 23:01

Instrument :

BNA\_F

ClientSampleId :

TRENCH-1-2DL

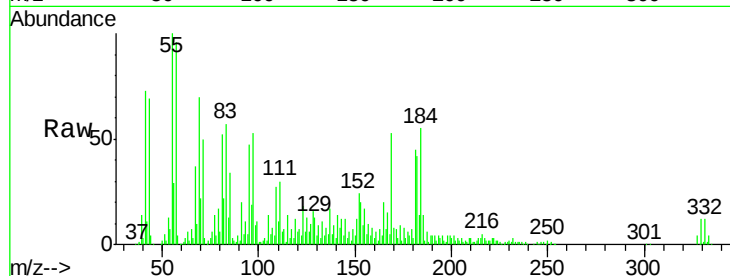
Tot Ion:330 Resp: 26654

Ion Ratio Lower Upper

330 100

332 97.0 76.6 114.8

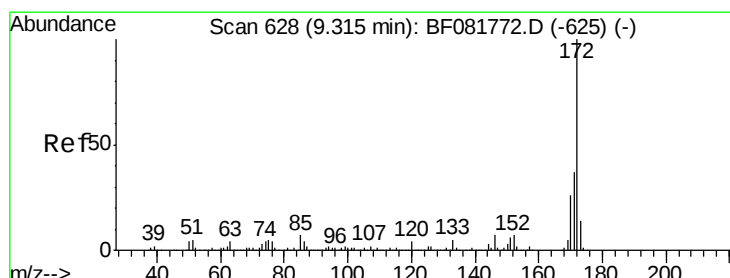
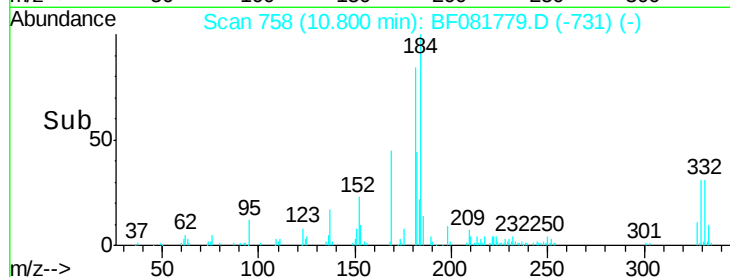
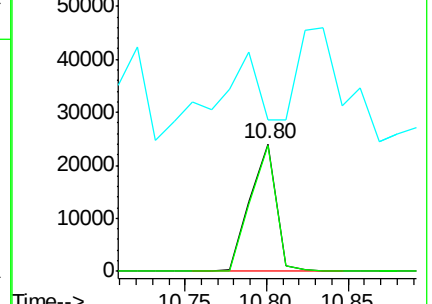
141 64.1 29.7 44.5#



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: 11.48 ng

RT: 9.33 min Scan# 629

Delta R.T. 0.01 min

Lab File: BF081779.D

Acq: 24 Sep 2015 23:01

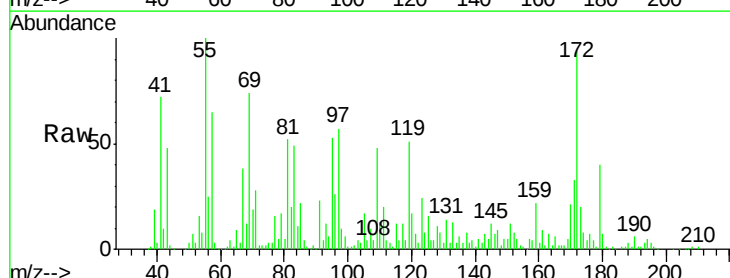
Tgt Ion:172 Resp: 219157

Ion Ratio Lower Upper

172 100

171 35.3 26.1 39.1

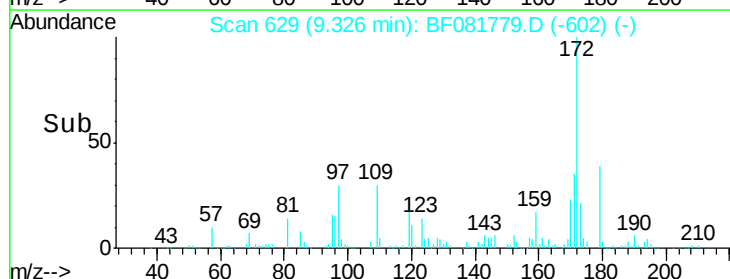
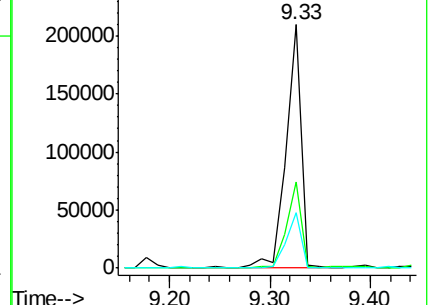
170 22.9 17.4 26.2

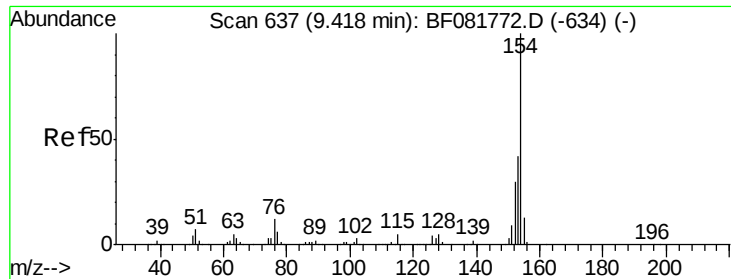


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

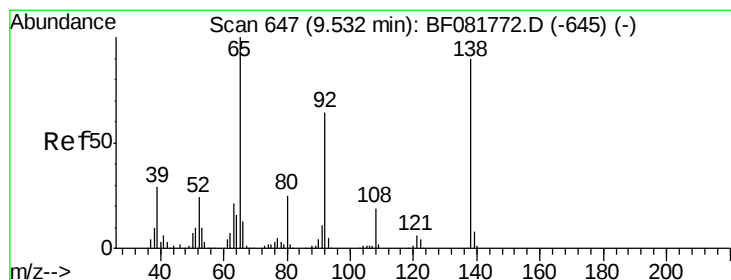
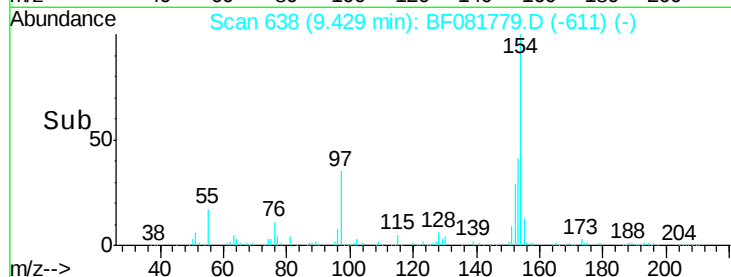
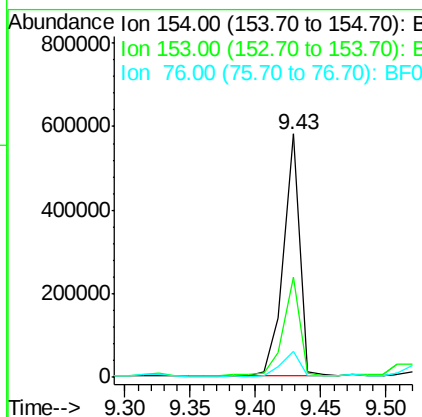
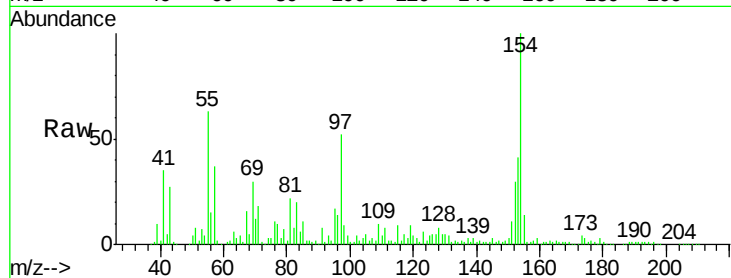




#45  
 1,1'-Biphenyl  
 Concen: 20.95 ng  
 RT: 9.43 min Scan# 638  
 Delta R.T. 0.01 min  
 Lab File: BF081779.D  
 Acq: 24 Sep 2015 23:01

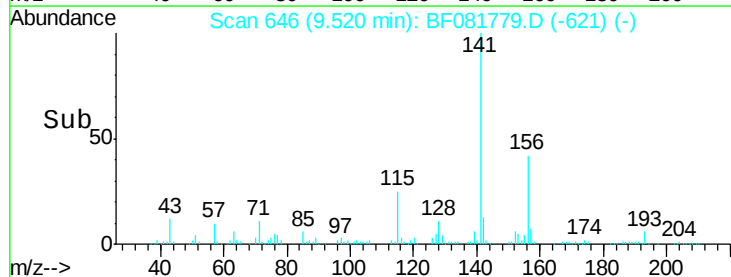
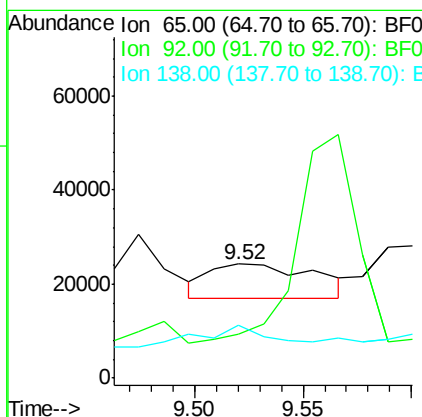
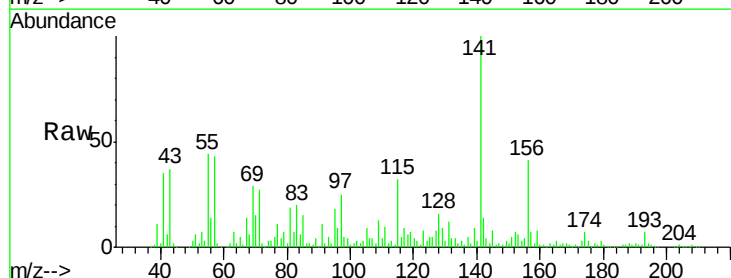
Instrument :  
 BNA\_F  
 ClientSampleId :  
 TRENCH-1-2DL

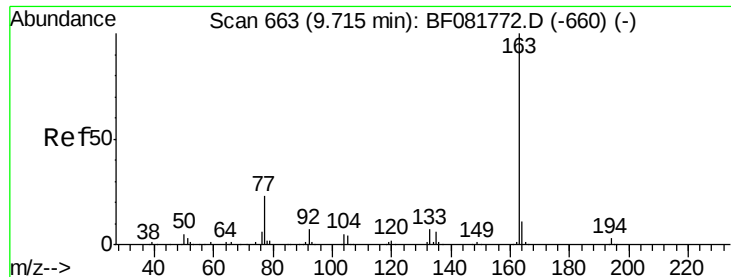
Tot Ion:154 Resp: 513580  
 Ion Ratio Lower Upper  
 154 100  
 153 41.4 17.1 57.1  
 76 10.8 0.0 31.6



#47  
 2-Nitroaniline  
 Concen: 4.62 ng  
 RT: 9.52 min Scan# 646  
 Delta R.T. -0.01 min  
 Lab File: BF081779.D  
 Acq: 24 Sep 2015 23:01

Tgt Ion: 65 Resp: 24248  
 Ion Ratio Lower Upper  
 65 100  
 92 38.8 55.4 83.0#  
 138 46.9 115.5 173.3#





#49

Dimethylphthalate

Concen: 2.91 ng

RT: 9.71 min Scan# 663

Delta R.T. -0.00 min

Lab File: BF081779.D

Acq: 24 Sep 2015 23:01

Instrument :

BNA\_F

ClientSampleId :

TRENCH-1-2DL

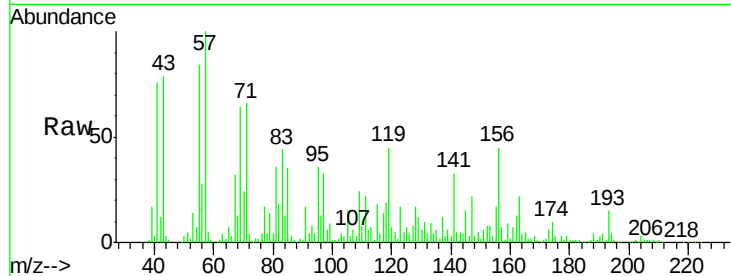
Tot Ion:163 Resp: 69437

Ion Ratio Lower Upper

163 100

194 18.4 4.4 6.6#

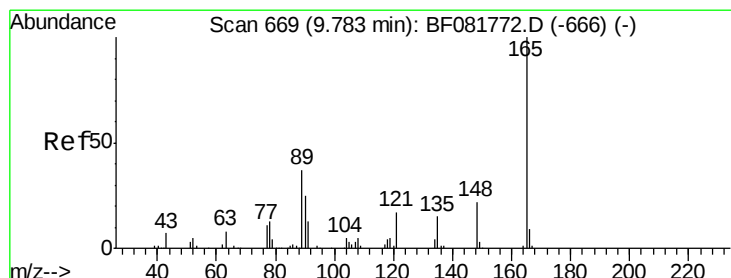
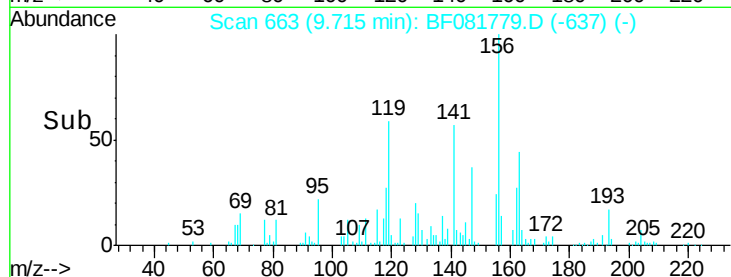
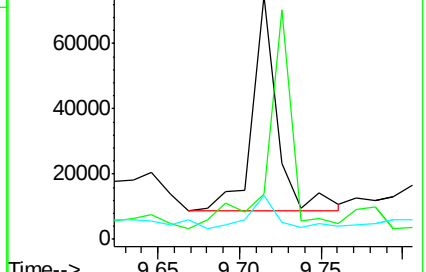
164 18.1 8.3 12.5#



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: 4.08 ng

RT: 9.77 min Scan# 668

Delta R.T. -0.01 min

Lab File: BF081779.D

Acq: 24 Sep 2015 23:01

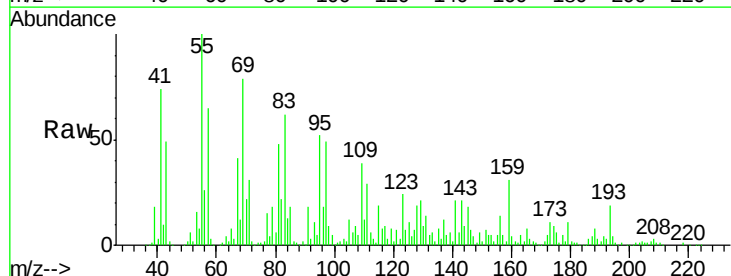
Tgt Ion:165 Resp: 18791

Ion Ratio Lower Upper

165 100

63 48.1 32.3 48.5

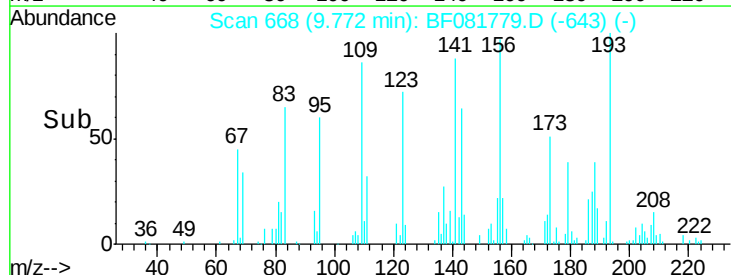
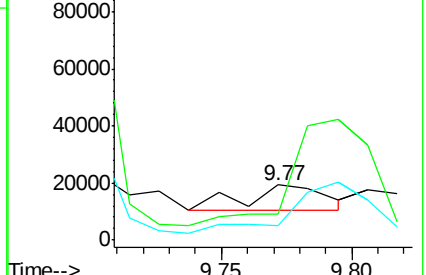
89 27.4 28.6 43.0#

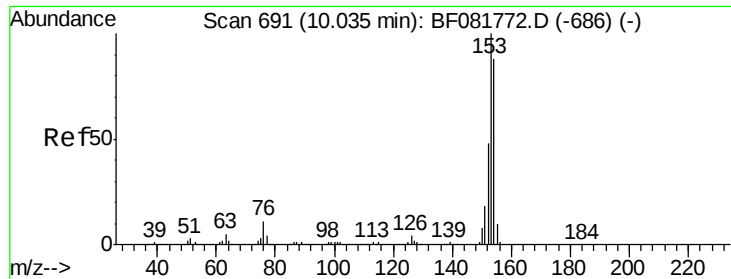


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 4.71 ng

RT: 10.05 min Scan# 692

Delta R.T. 0.01 min

Lab File: BF081779.D

Acq: 24 Sep 2015 23:01

Instrument :

BNA\_F

ClientSampleId :

TRENCH-1-2DL

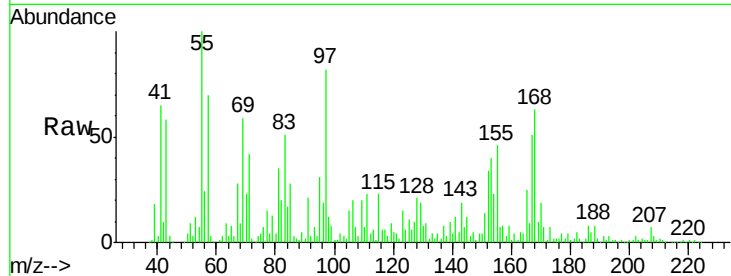
Tot Ion:154 Resp: 90496

Ion Ratio Lower Upper

154 100

153 174.5 82.1 123.1#

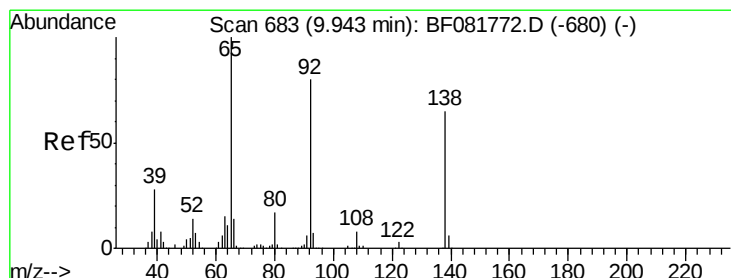
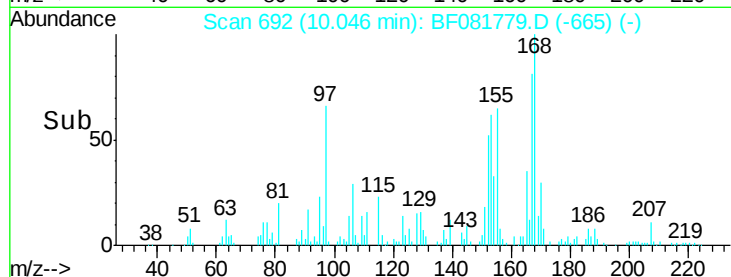
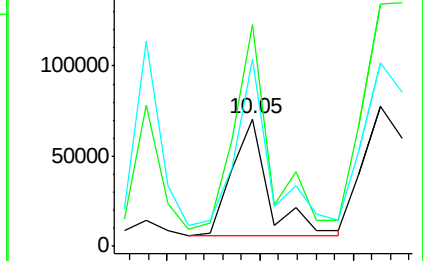
152 147.2 37.9 56.9#



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 4.48 ng

RT: 9.95 min Scan# 684

Delta R.T. 0.01 min

Lab File: BF081779.D

Acq: 24 Sep 2015 23:01

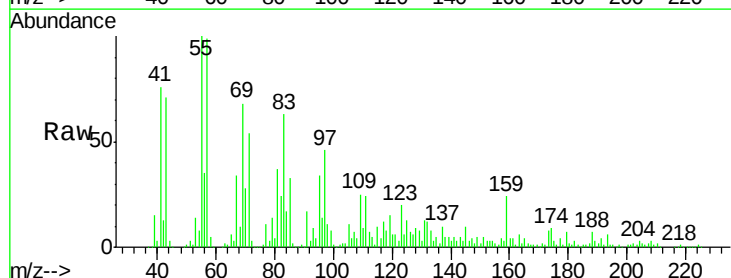
Tgt Ion:138 Resp: 22393

Ion Ratio Lower Upper

138 100

108 67.3 5.7 8.5#

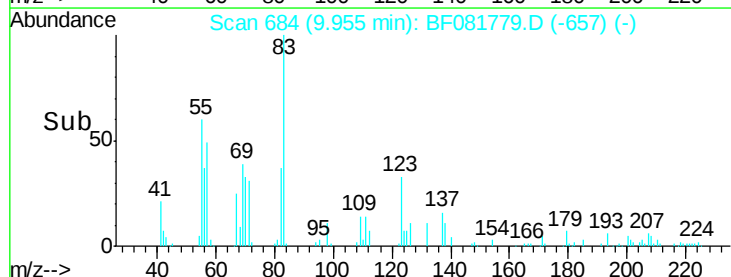
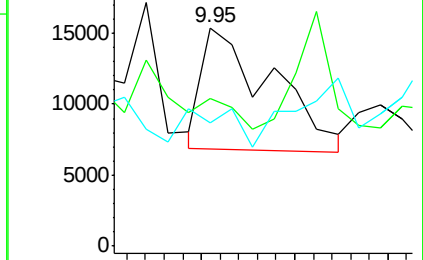
92 56.3 67.7 101.5#

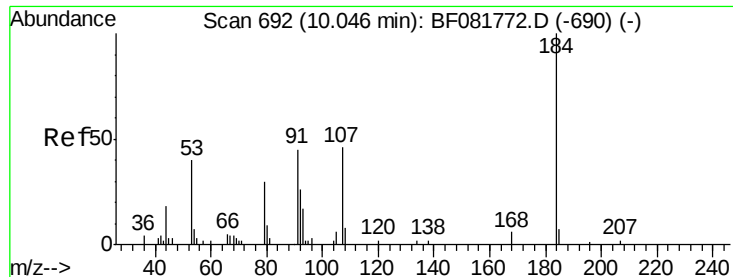


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0





#53

2,4-Dinitrophenol

Concen: 18.27 ng

RT: 10.08 min Scan# 695

Delta R.T. 0.03 min

Lab File: BF081779.D

Acq: 24 Sep 2015 23:01

Instrument :

BNA\_F

ClientSampleId :

TRENCH-1-2DL

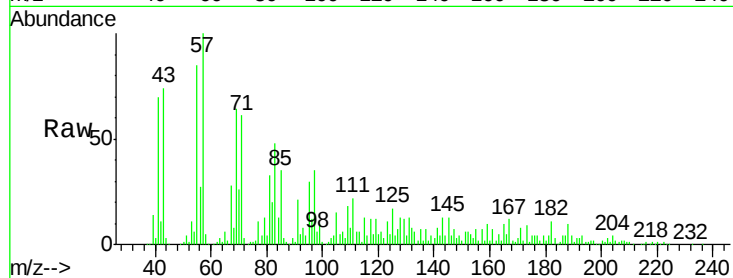
Tot Ion:184 Resp: 3415

Ion Ratio Lower Upper

184 100

63 667.4 35.4 53.2#

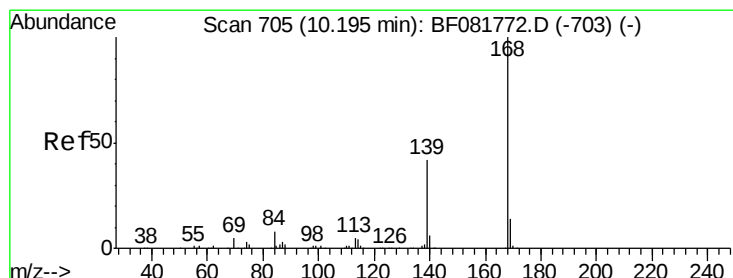
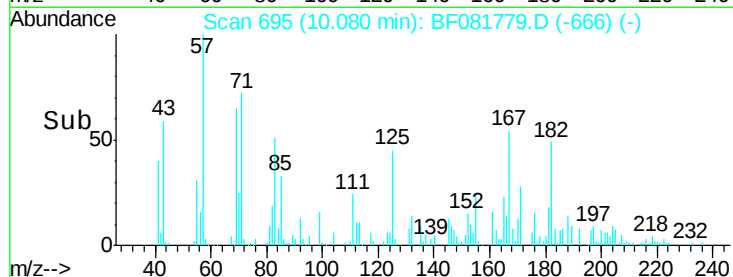
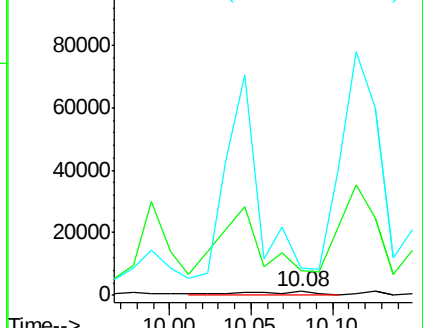
154 758.2 32.2 48.4#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E



#54

Dibenzofuran

Concen: 3.46 ng

RT: 10.22 min Scan# 707

Delta R.T. 0.02 min

Lab File: BF081779.D

Acq: 24 Sep 2015 23:01

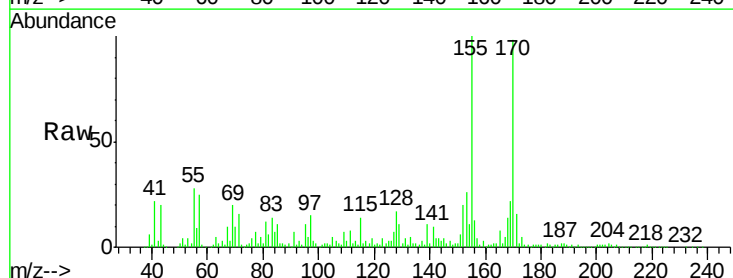
Tgt Ion:168 Resp: 97642

Ion Ratio Lower Upper

168 100

139 79.3 24.2 36.2#

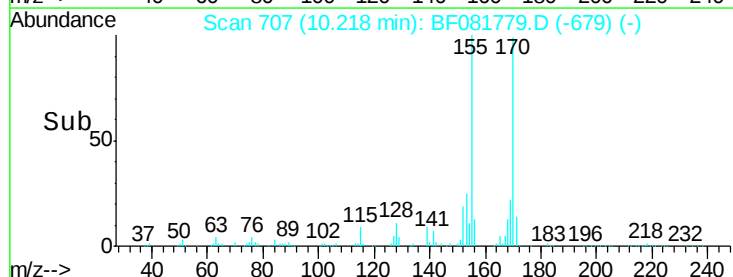
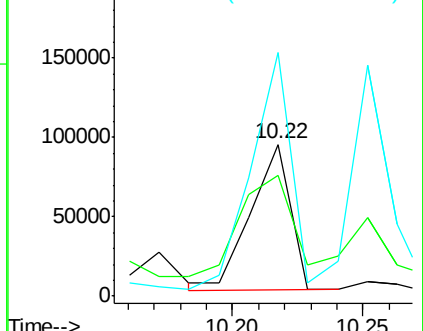
169 160.3 10.6 15.8#

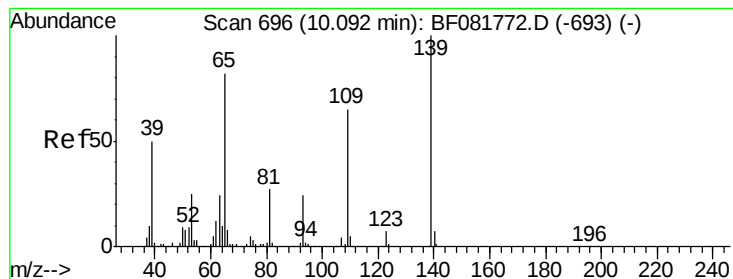


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#55

4-Nitrophenol

Concen: 26.14 ng

RT: 10.11 min Scan# 698

Delta R.T. 0.02 min

Lab File: BF081779.D

Acq: 24 Sep 2015 23:01

Instrument :

BNA\_F

ClientSampleId :

TRENCH-1-2DL

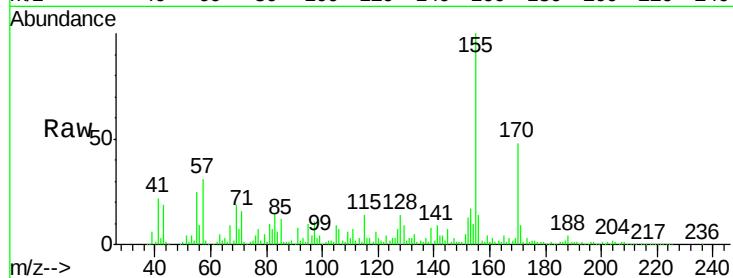
Tot Ion:139 Resp: 90017

Ion Ratio Lower Upper

139 100

109 80.7 12.7 52.7#

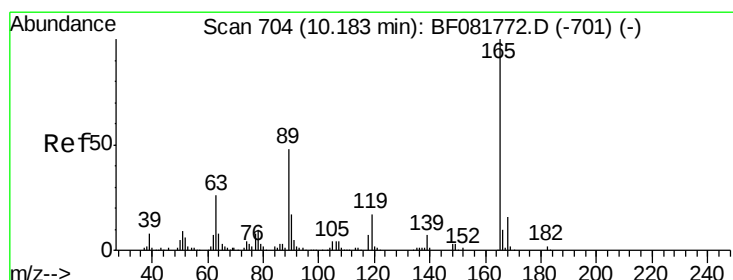
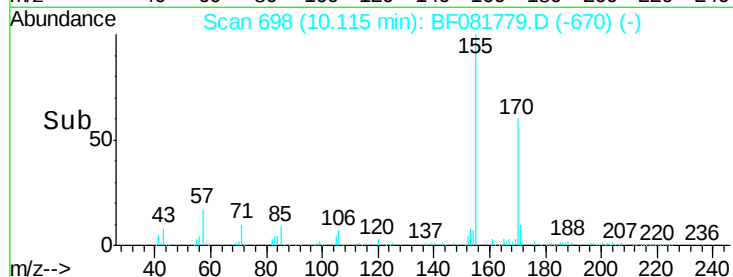
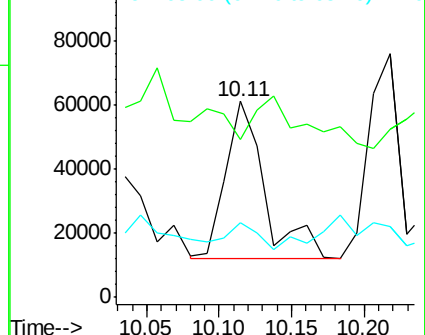
65 38.4 45.9 85.9#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0



#56

2,4-Dinitrotoluene

Concen: 10.89 ng

RT: 10.22 min Scan# 707

Delta R.T. 0.03 min

Lab File: BF081779.D

Acq: 24 Sep 2015 23:01

Tgt Ion:165 Resp: 60041

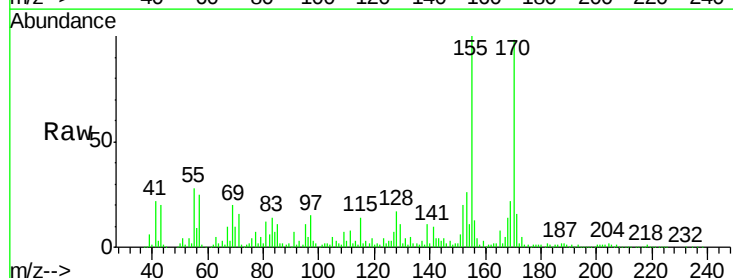
Ion Ratio Lower Upper

165 100

63 58.9 29.8 44.6#

89 31.3 44.5 66.7#

182 20.9 3.0 4.4#

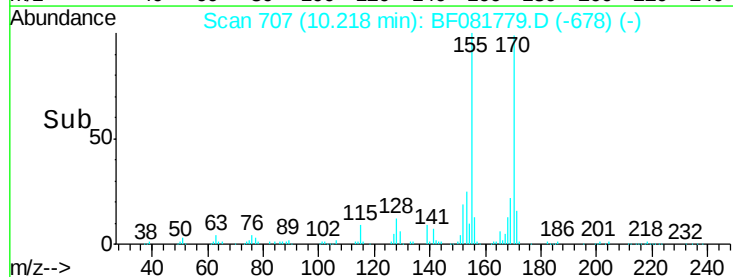
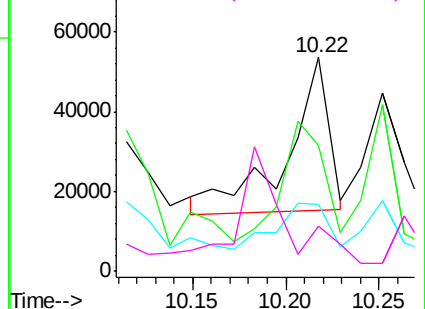


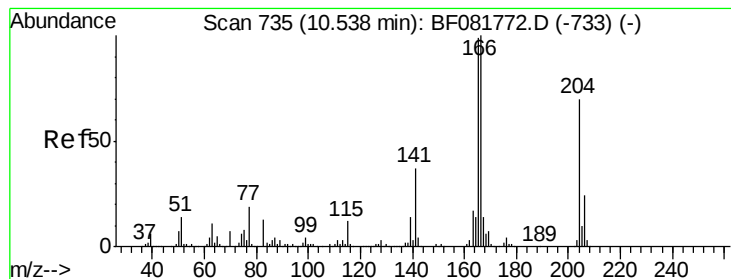
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E





#57

Fluorene

Concen: 11.45 ng

RT: 10.56 min Scan# 737

Delta R.T. 0.02 min

Lab File: BF081779.D

Acq: 24 Sep 2015 23:01

Instrument :

BNA\_F

ClientSampleId :

TRENCH-1-2DL

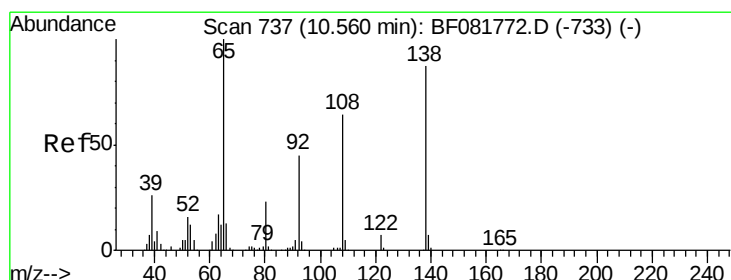
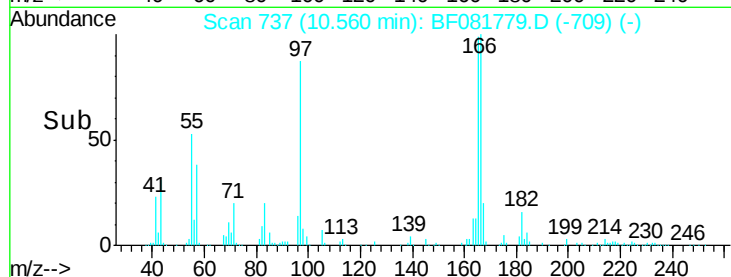
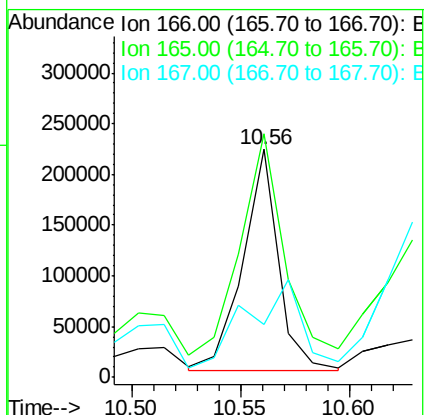
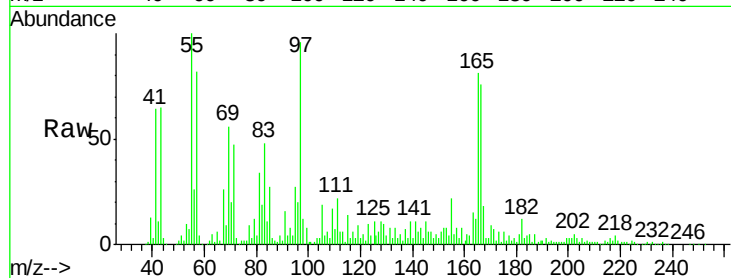
Tot Ion:166 Resp: 247861

Ion Ratio Lower Upper

166 100

165 106.9 72.6 109.0

167 23.2 10.6 16.0#



#61

4-Nitroaniline

Concen: 3.08 ng

RT: 10.47 min Scan# 729

Delta R.T. -0.09 min

Lab File: BF081779.D

Acq: 24 Sep 2015 23:01

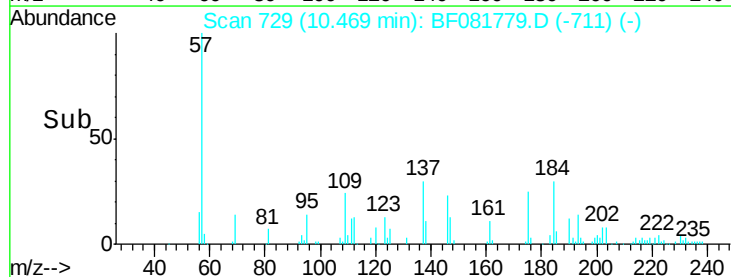
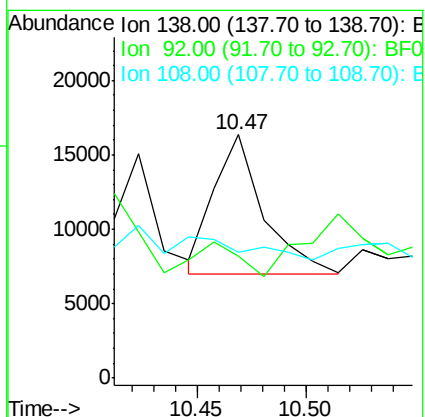
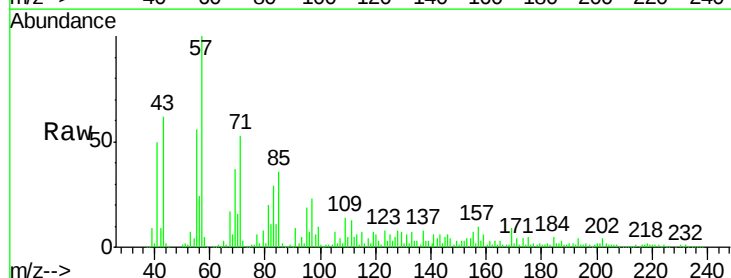
Tgt Ion:138 Resp: 14947

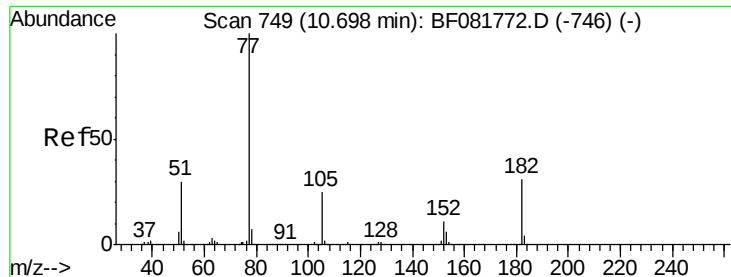
Ion Ratio Lower Upper

138 100

92 50.3 12.6 52.6

108 51.5 12.4 52.4





#62

Azobenzene

Concen: 2.04 ng

RT: 10.72 min Scan# 751

Delta R.T. 0.02 min

Lab File: BF081779.D

Acq: 24 Sep 2015 23:01

Instrument :

BNA\_F

ClientSampleId :

TRENCH-1-2DL

Tot Ion: 77 Resp: 48095

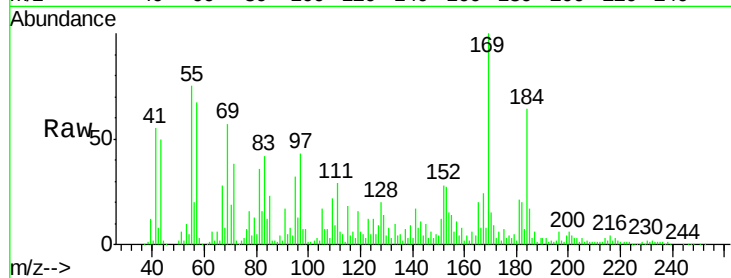
Ion Ratio Lower Upper

77 100

182 125.6 15.1 55.1#

105 107.6 3.4 43.4#

51 36.0 12.0 52.0

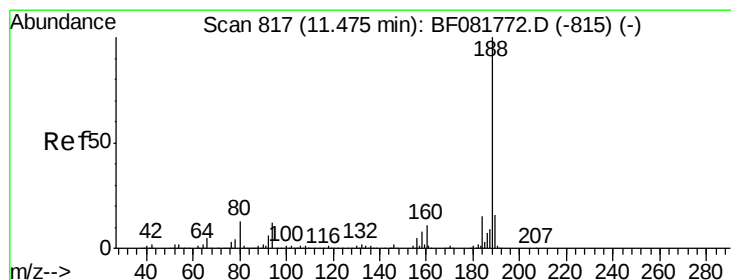
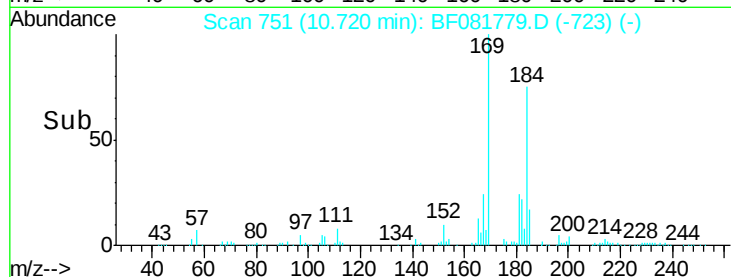
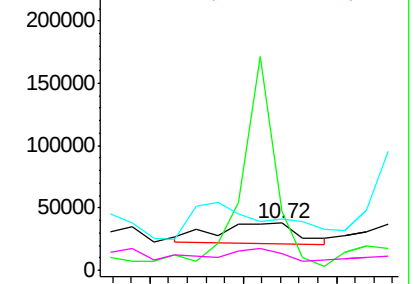


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.50 min Scan# 819

Delta R.T. 0.02 min

Lab File: BF081779.D

Acq: 24 Sep 2015 23:01

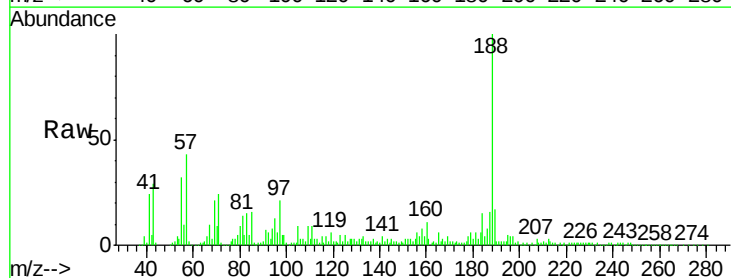
Tgt Ion: 188 Resp: 568022

Ion Ratio Lower Upper

188 100

94 8.4 11.1 16.7#

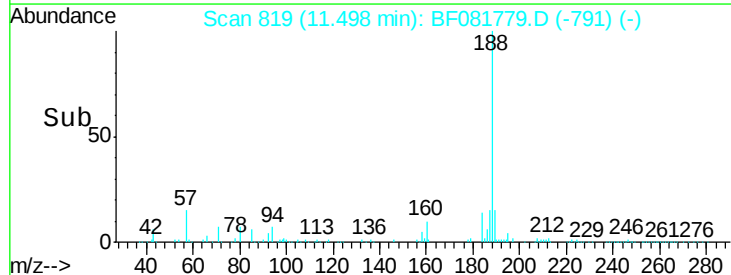
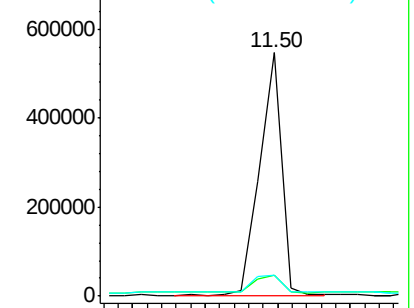
80 8.8 11.0 16.4#

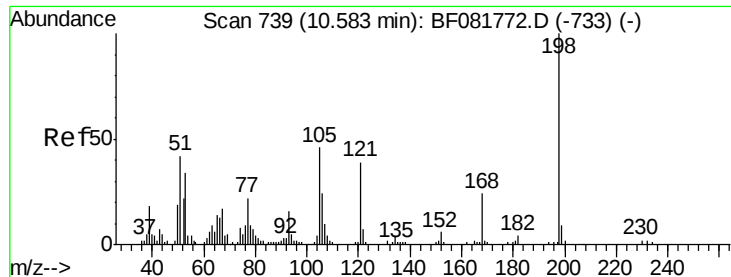


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#64

4,6-Dinitro-2-methylphenol

Concen: 13.23 ng

RT: 10.65 min Scan# 745

Delta R.T. 0.07 min

Lab File: BF081779.D

Acq: 24 Sep 2015 23:01

Instrument :

BNA\_F

ClientSampleId :

TRENCH-1-2DL

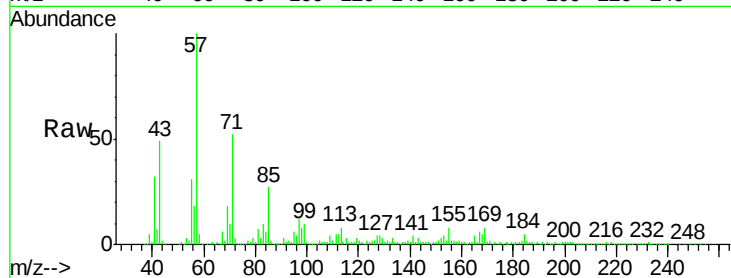
Tot Ion:198 Resp: 5038

Ion Ratio Lower Upper

198 100

51 174.5 39.6 79.6#

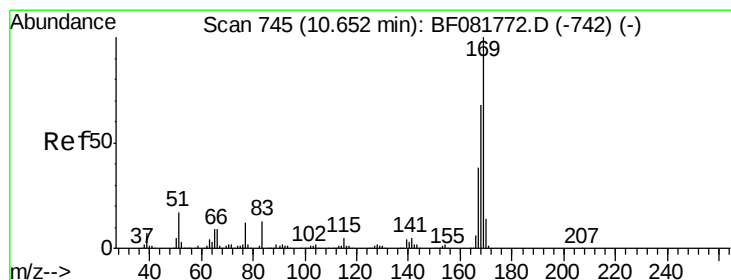
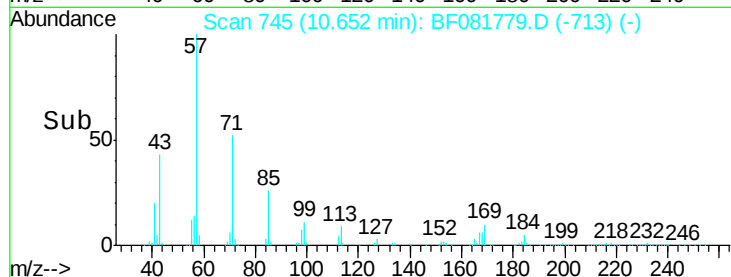
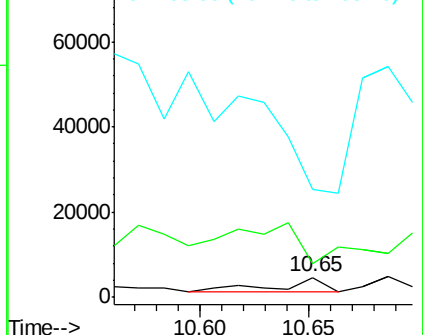
105 550.2 28.5 68.5#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E



#65

n-Nitrosodiphenylamine

Concen: 16.06 ng

RT: 10.66 min Scan# 746

Delta R.T. 0.01 min

Lab File: BF081779.D

Acq: 24 Sep 2015 23:01

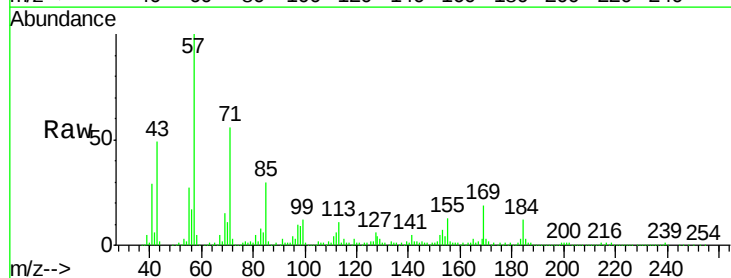
Tgt Ion:169 Resp: 307694

Ion Ratio Lower Upper

169 100

168 15.1 48.9 73.3#

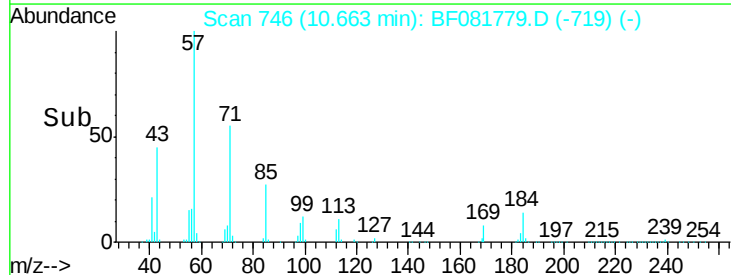
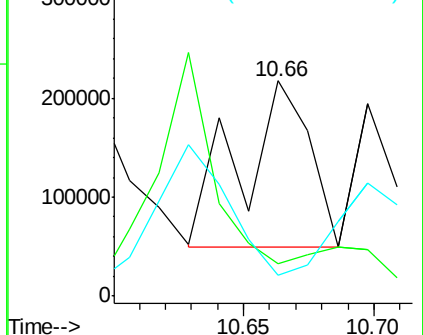
167 10.0 26.2 39.4#

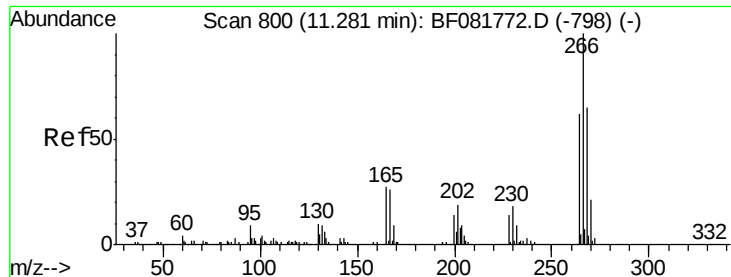


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

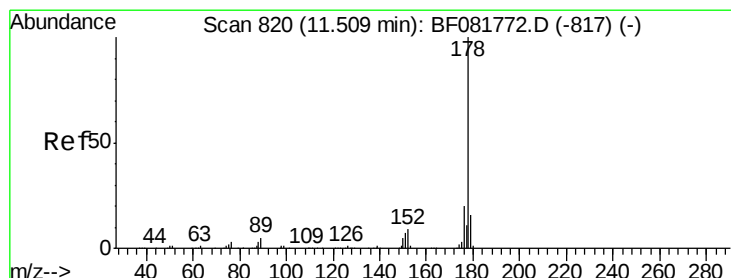
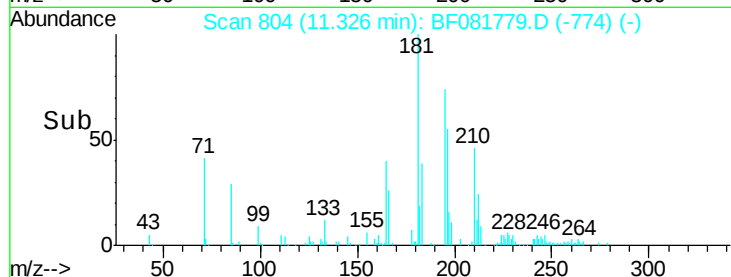
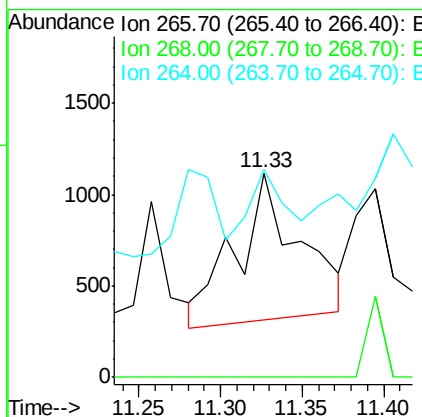
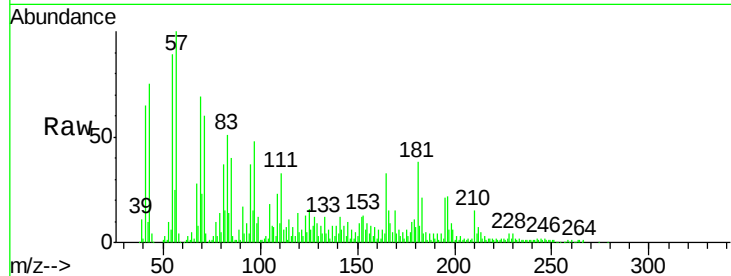




#69  
 Pentachlorophenol  
 Concen: 6.20 ng  
 RT: 11.33 min Scan# 804  
 Delta R.T. 0.05 min  
 Lab File: BF081779.D  
 Acq: 24 Sep 2015 23:01

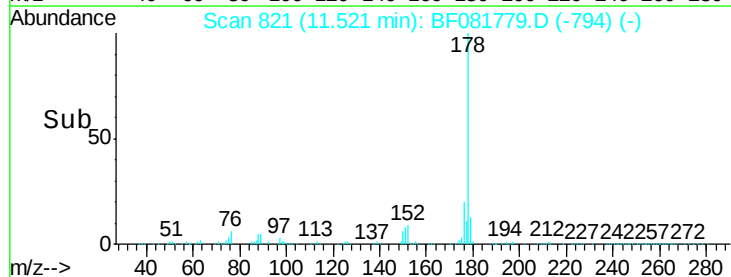
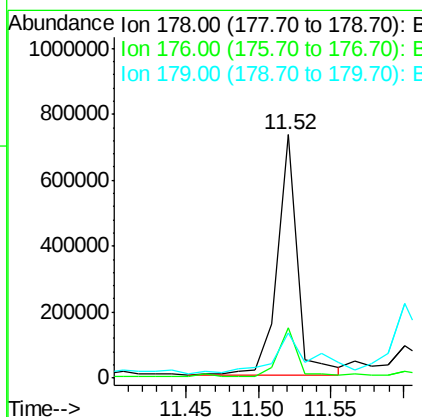
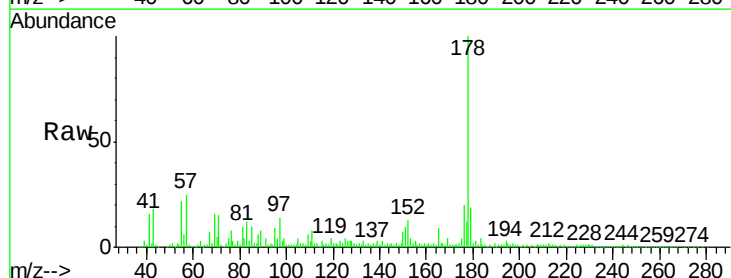
Instrument :  
 BNA\_F  
 ClientSampleId :  
 TRENCH-1-2DL

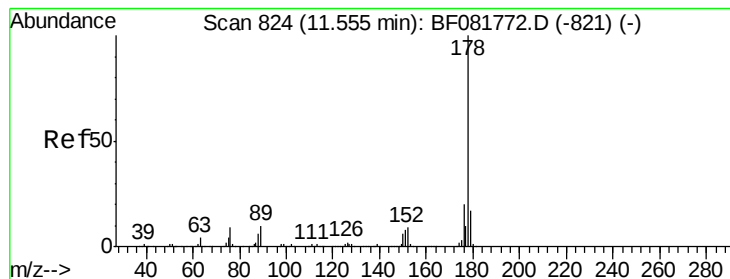
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 268     | 0.0   | 49.8  | 74.6# |
| 264     | 101.7 | 50.2  | 75.2# |



#70  
 Phenanthrene  
 Concen: 21.94 ng  
 RT: 11.52 min Scan# 821  
 Delta R.T. 0.01 min  
 Lab File: BF081779.D  
 Acq: 24 Sep 2015 23:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 20.5  | 13.8  | 20.8  |
| 179     | 18.6  | 12.2  | 18.2# |





#71

Anthracene

Concen: 2.90 ng

RT: 11.60 min Scan# 828

Delta R.T. 0.05 min

Lab File: BF081779.D

Acq: 24 Sep 2015 23:01

Instrument :

BNA\_F

ClientSampleId :

TRENCH-1-2DL

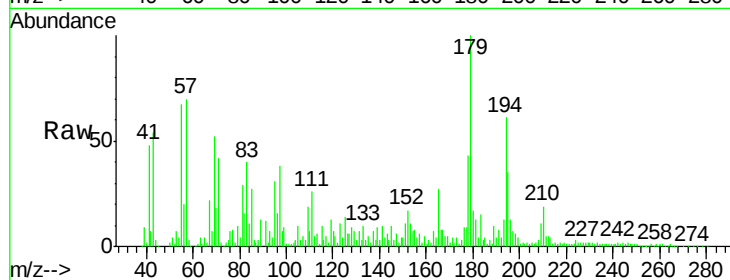
Tot Ion:178 Resp: 90771

Ion Ratio Lower Upper

178 100

176 21.1 14.1 21.1#

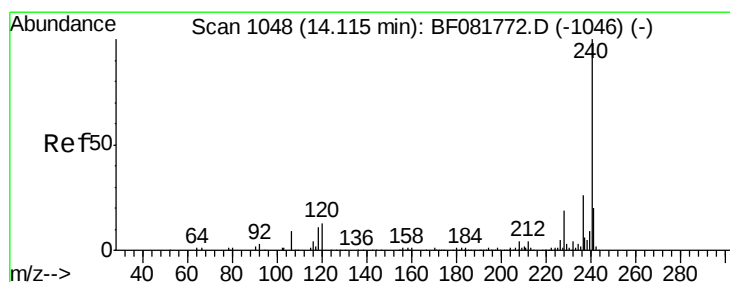
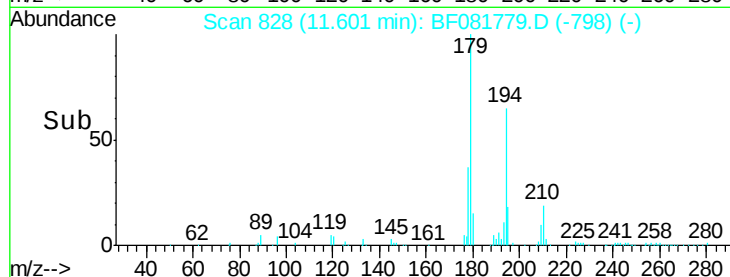
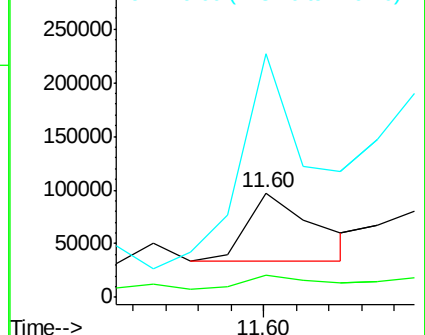
179 232.8 12.2 18.2#



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.12 min Scan# 1048

Delta R.T. -0.00 min

Lab File: BF081779.D

Acq: 24 Sep 2015 23:01

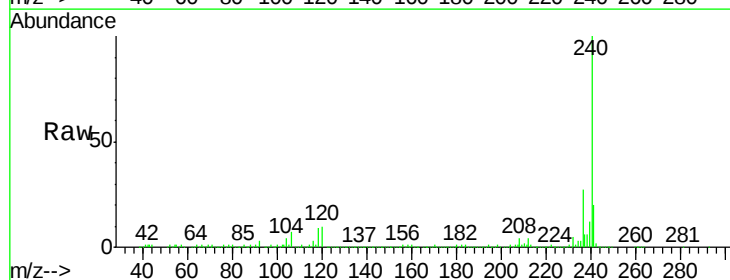
Tgt Ion:240 Resp: 675096

Ion Ratio Lower Upper

240 100

120 10.0 16.2 24.2#

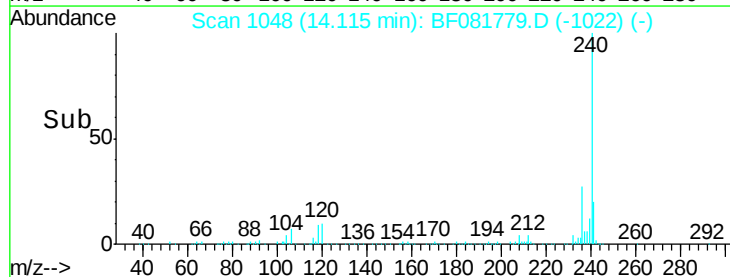
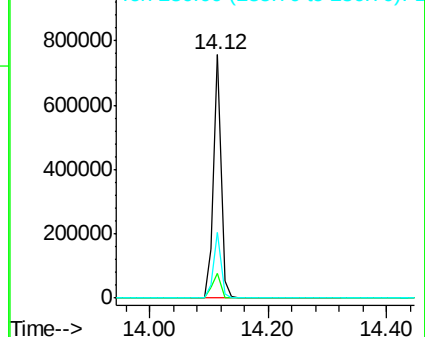
236 27.0 18.4 27.6

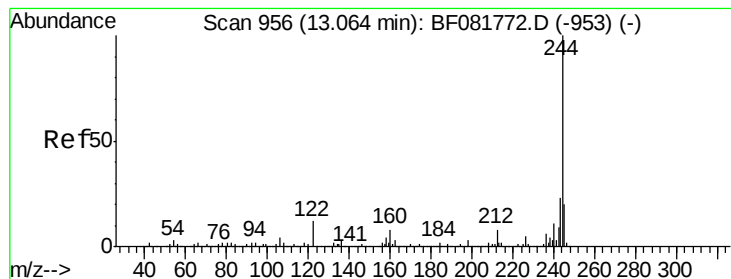


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 9.22 ng

RT: 13.06 min Scan# 956

Delta R.T. -0.00 min

Lab File: BF081779.D

Acq: 24 Sep 2015 23:01

Instrument :

BNA\_F

ClientSampleId :

TRENCH-1-2DL

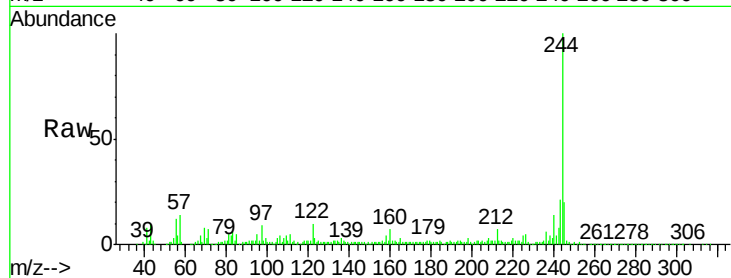
Tot Ion:244 Resp: 272337

Ion Ratio Lower Upper

244 100

212 7.4 4.3 6.5#

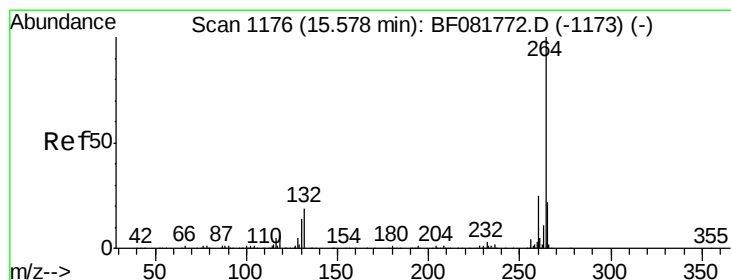
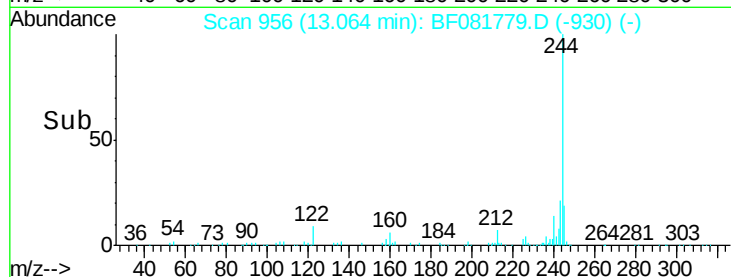
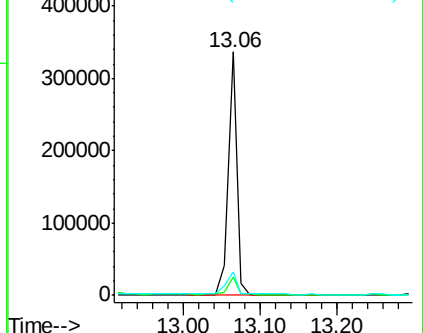
122 9.5 17.4 26.2#



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: 15.58 min Scan# 1176

Delta R.T. -0.00 min

Lab File: BF081779.D

Acq: 24 Sep 2015 23:01

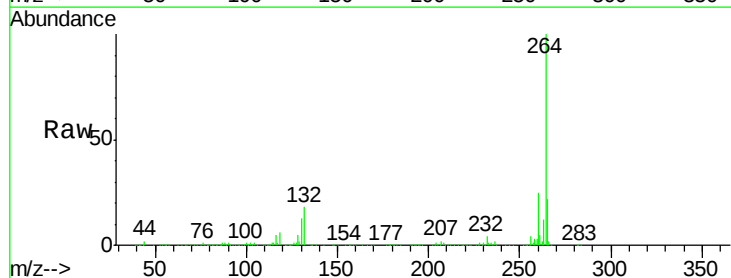
Tgt Ion:264 Resp: 526217

Ion Ratio Lower Upper

264 100

260 25.2 16.7 25.1#

265 22.1 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

