

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092415\  
 Data File : BF081778.D  
 Acq On : 24 Sep 2015 22:30  
 Operator : UM/IZ  
 Sample : G3807-01  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SES-EFFLUENT-CS-8

Quant Time: Sep 25 06:05:39 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

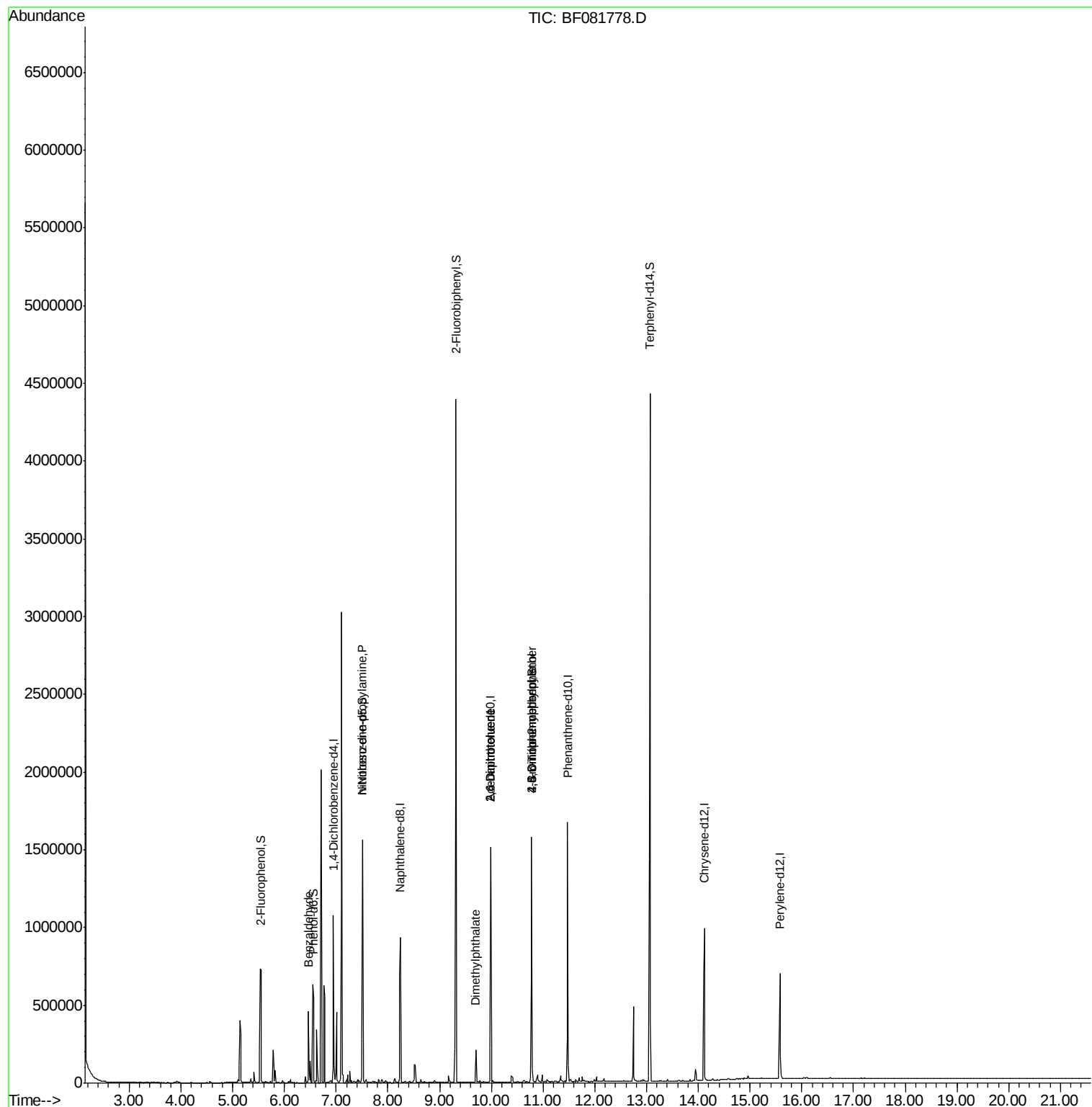
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.95  | 152  | 143672   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.24  | 136  | 565157   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10           | 9.99  | 164  | 288965   | 20.00 | ng    | -0.01    |
| 63) Phenanthrene-d10           | 11.47 | 188  | 561375   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12               | 14.12 | 240  | 451122   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12               | 15.58 | 264  | 323546   | 20.00 | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |       |       |          |
| 5) 2-Fluorophenol              | 5.54  | 112  | 255453   | 30.08 | ng    | 0.00     |
| 7) Phenol-d6                   | 6.56  | 99   | 198670   | 18.49 | ng    | -0.01    |
| 23) Nitrobenzene-d5            | 7.51  | 82   | 762491   | 89.02 | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol       | 10.78 | 330  | 198700   | 79.20 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl           | 9.31  | 172  | 1485718  | 84.40 | ng    | 0.00     |
| 78) Terphenyl-d14              | 13.06 | 244  | 1392543  | 70.51 | ng    | 0.00     |
| Target Compounds               |       |      |          |       |       | Qvalue   |
| 9) Benzaldehyde                | 6.47  | 77   | 18214    | 2.87  | ng    | # 1      |
| 19) n-Nitroso-di-n-propylamine | 7.51  | 70   | 100379   | 14.02 | ng    | # 64     |
| 49) Dimethylphthalate          | 9.70  | 163  | 79243    | 3.60  | ng    | # 98     |
| 50) 2,6-Dinitrotoluene         | 9.99  | 165  | 37373    | 8.81  | ng    | # 39     |
| 56) 2,4-Dinitrotoluene         | 9.99  | 165  | 37376    | 7.36  | ng    | # 33     |
| 64) 4,6-Dinitro-2-methylphenol | 10.78 | 198  | 378      | 7.85  | ng    | # 1      |
| 66) 4-Bromophenyl-phenylether  | 10.78 | 248  | 13706    | 2.19  | ng    | # 1      |

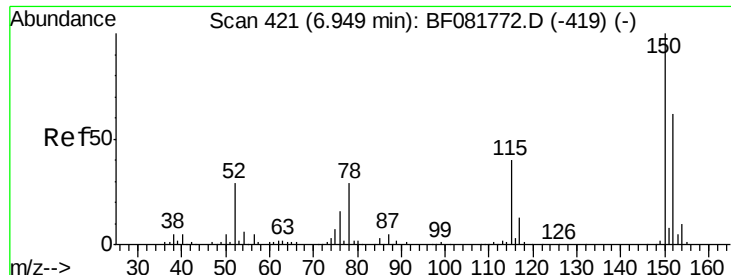
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.95 min Scan# 421

Delta R.T. -0.00 min

Lab File: BF081778.D

Acq: 24 Sep 2015 22:30

Instrument :

BNA\_F

ClientSampleId :

SES-EFFLUENT-CS-8

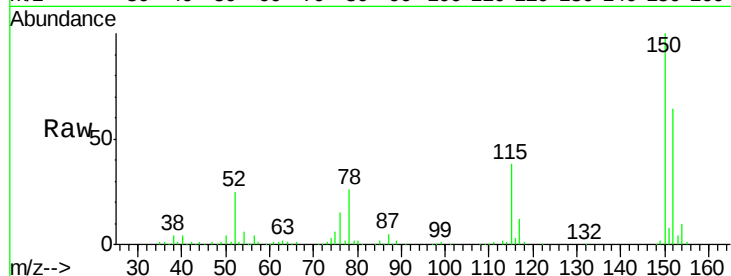
Tot Ion:152 Resp: 143672

Ion Ratio Lower Upper

152 100

150 156.4 124.7 187.1

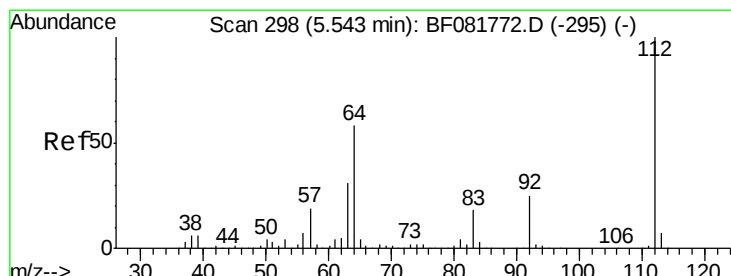
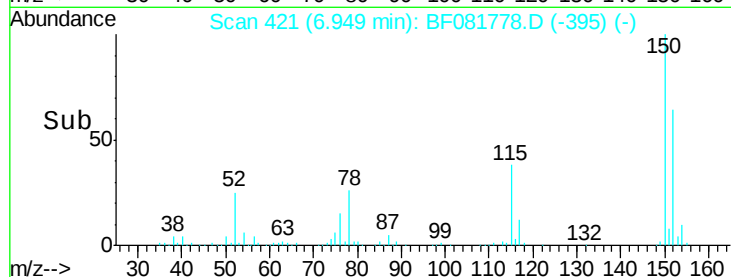
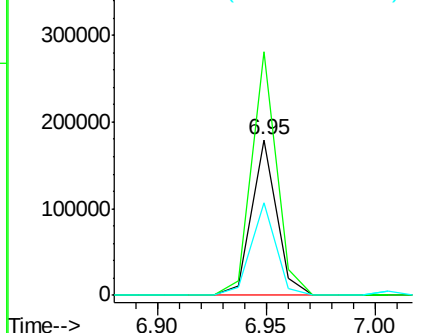
115 59.9 39.0 58.4#



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: 30.08 ng

RT: 5.54 min Scan# 298

Delta R.T. -0.00 min

Lab File: BF081778.D

Acq: 24 Sep 2015 22:30

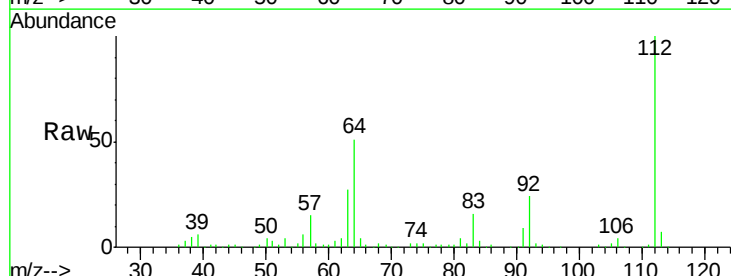
Tgt Ion:112 Resp: 255453

Ion Ratio Lower Upper

112 100

64 51.5 39.7 59.5

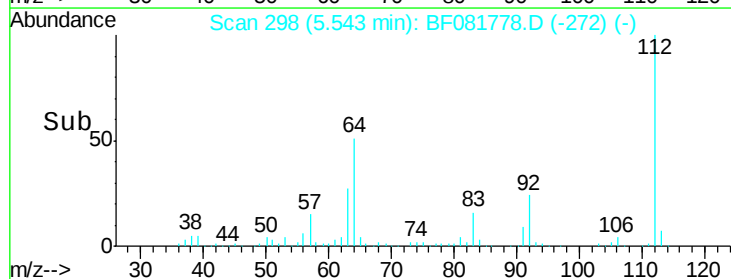
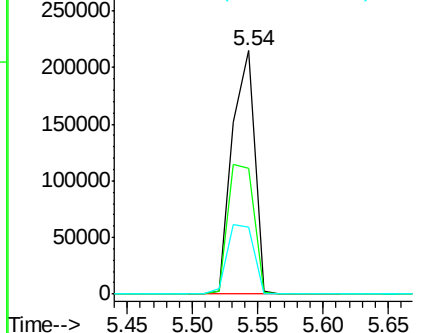
63 27.3 17.4 26.0#



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: 18.49 ng

RT: 6.56 min Scan# 387

Delta R.T. -0.01 min

Lab File: BF081778.D

Acq: 24 Sep 2015 22:30

Instrument :

BNA\_F

ClientSampleId :

SES-EFFLUENT-CS-8

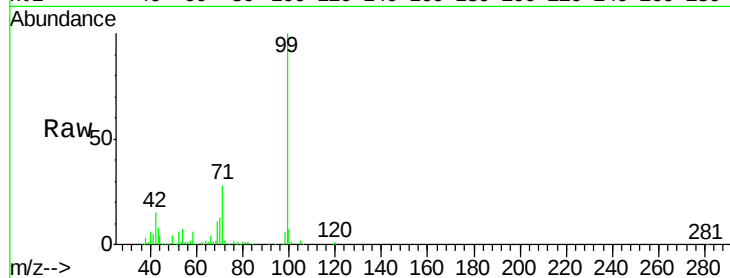
Tot Ion: 99 Resp: 198670

Ion Ratio Lower Upper

99 100

42 15.1 13.7 20.5

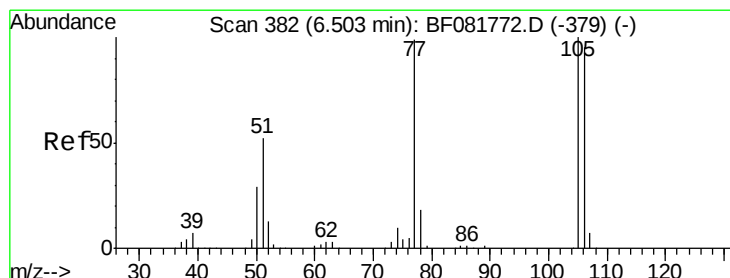
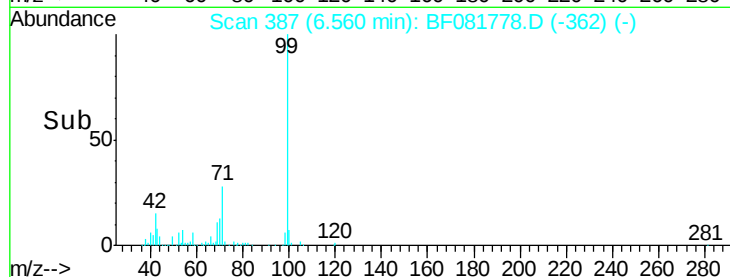
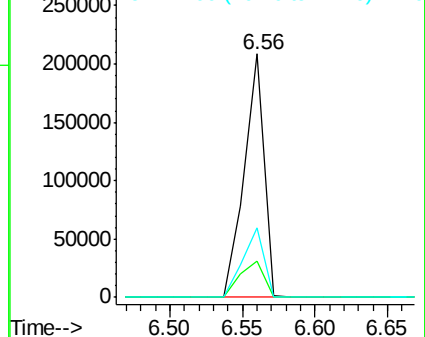
71 28.4 14.2 21.2#



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



#9

Benzaldehyde

Concen: 2.87 ng

RT: 6.47 min Scan# 379

Delta R.T. -0.03 min

Lab File: BF081778.D

Acq: 24 Sep 2015 22:30

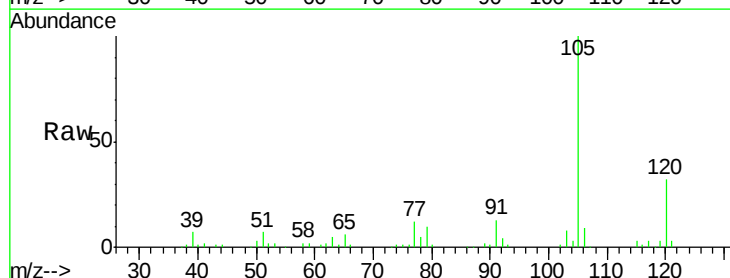
Tgt Ion: 77 Resp: 18214

Ion Ratio Lower Upper

77 100

105 821.9 91.6 131.6#

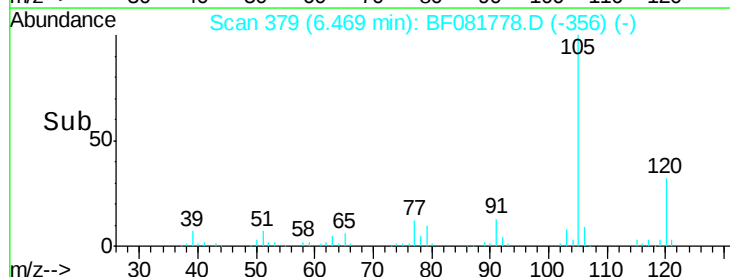
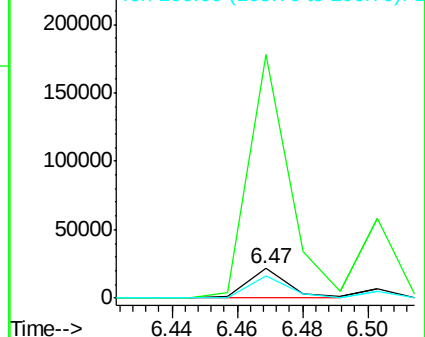
106 73.9 102.6 142.6#

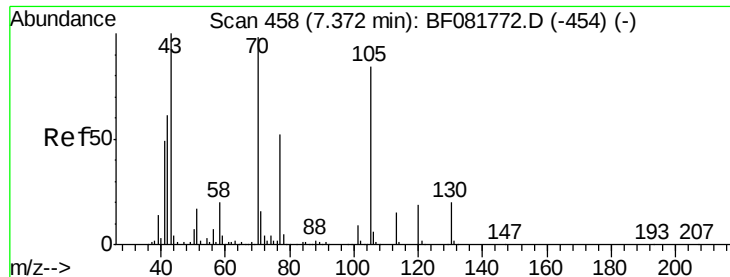


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

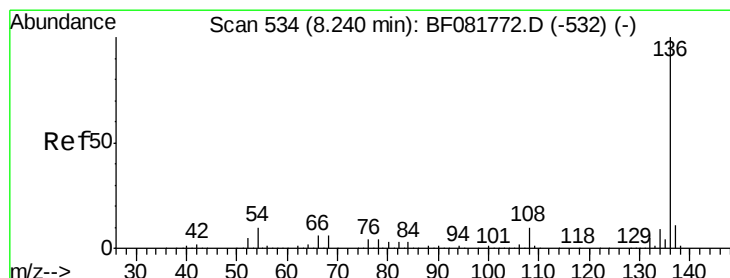
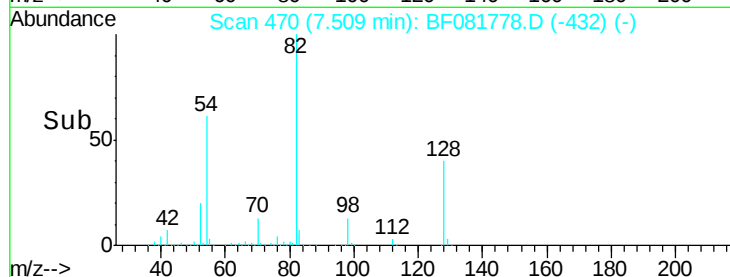
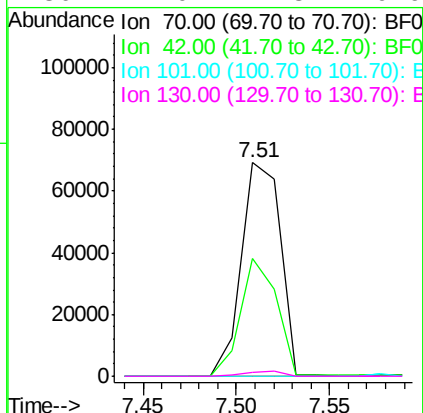
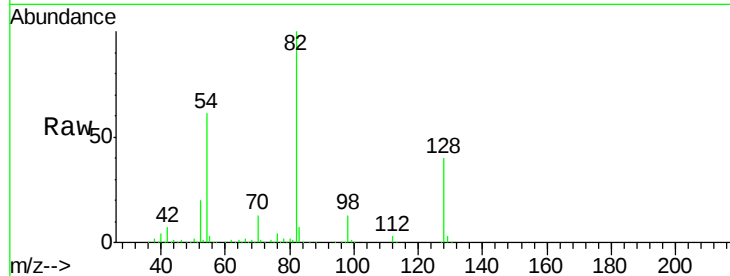




#19  
n-Nitroso-di-n-propylamine  
Concen: 14.02 ng  
RT: 7.51 min Scan# 470  
Delta R.T. 0.14 min  
Lab File: BF081778.D  
Acq: 24 Sep 2015 22:30

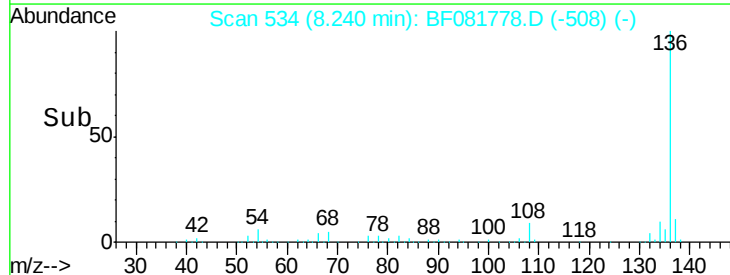
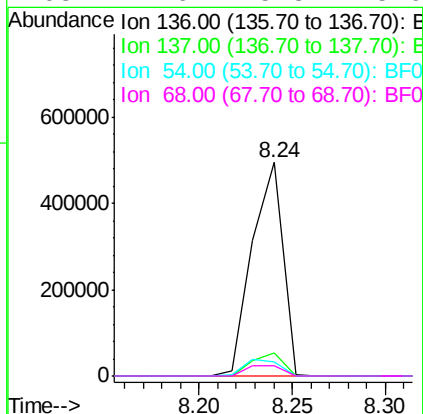
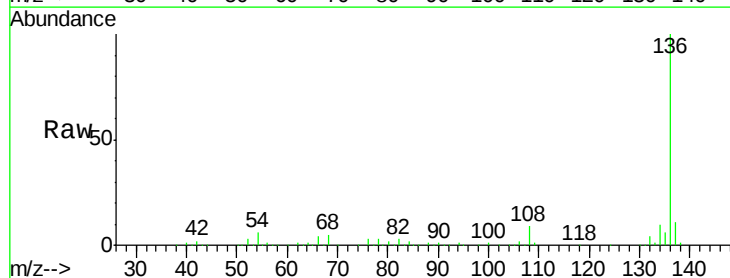
Instrument :  
BNA\_F  
ClientSampleId :  
SES-EFFLUENT-CS-8

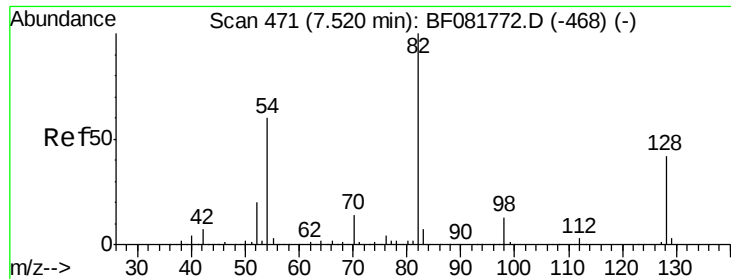
Tot Ion: 70 Resp: 100379  
Ion Ratio Lower Upper  
70 100  
42 55.4 63.8 95.6#  
101 0.0 9.2 13.8#  
130 2.0 27.3 40.9#



#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.24 min Scan# 534  
Delta R.T. -0.00 min  
Lab File: BF081778.D  
Acq: 24 Sep 2015 22:30

Tgt Ion:136 Resp: 565157  
Ion Ratio Lower Upper  
136 100  
137 10.7 9.0 13.6  
54 6.5 8.2 12.2#  
68 4.6 5.8 8.6#

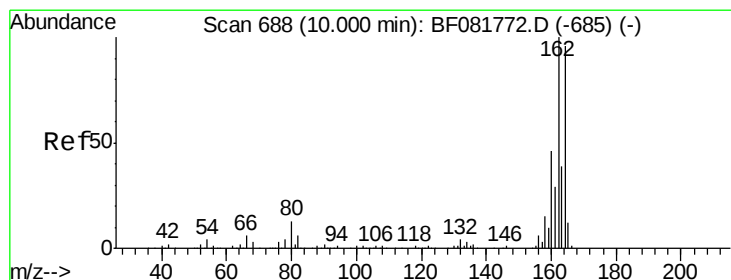
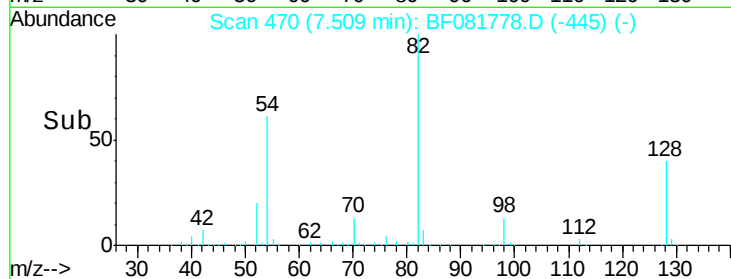
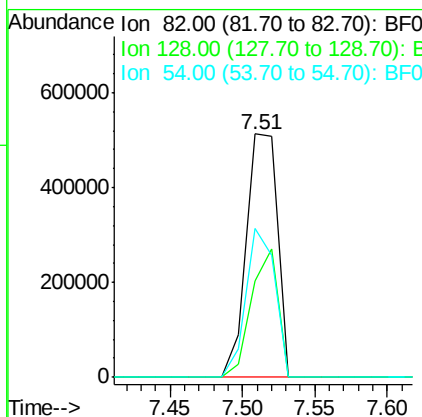
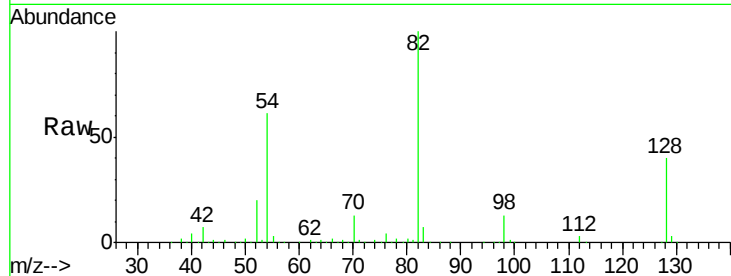




#23  
 Nitrobenzene-d5  
 Concen: 89.02 ng  
 RT: 7.51 min Scan# 470  
 Delta R.T. -0.01 min  
 Lab File: BF081778.D  
 Acq: 24 Sep 2015 22:30

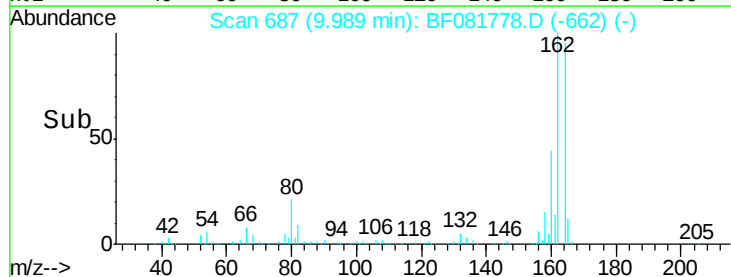
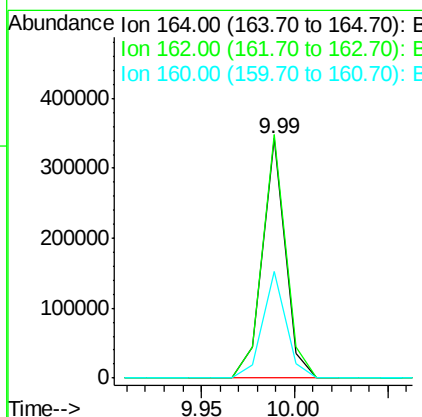
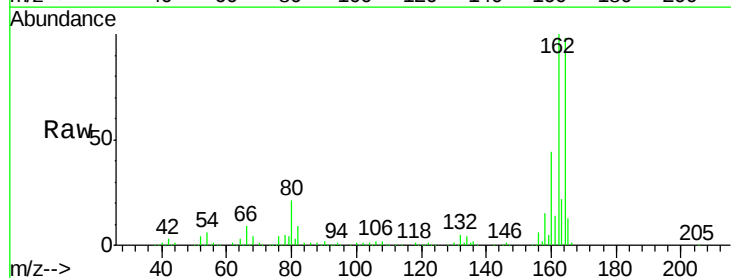
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SES-EFFLUENT-CS-8

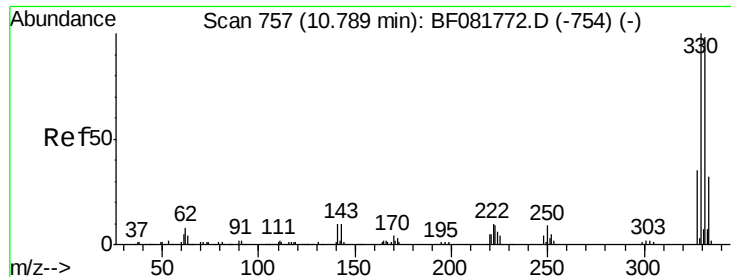
Tot Ion: 82 Resp: 762491  
 Ion Ratio Lower Upper  
 82 100  
 128 39.8 51.0 76.6#  
 54 61.1 47.5 71.3



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.99 min Scan# 687  
 Delta R.T. -0.01 min  
 Lab File: BF081778.D  
 Acq: 24 Sep 2015 22:30

Tgt Ion:164 Resp: 288965  
 Ion Ratio Lower Upper  
 164 100  
 162 101.7 75.2 112.8  
 160 44.5 31.5 47.3

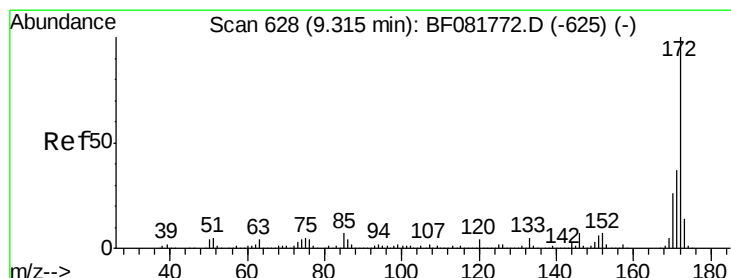
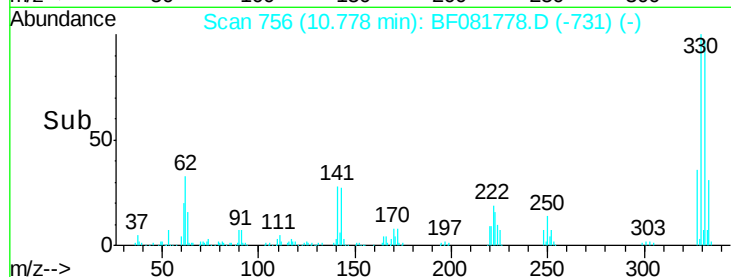
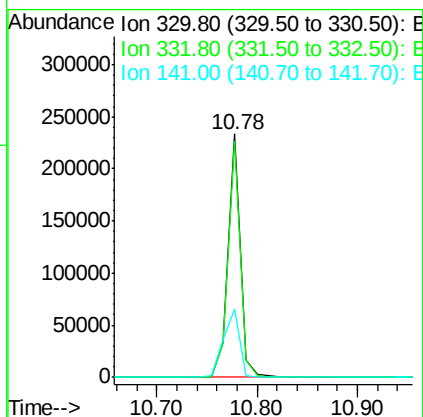
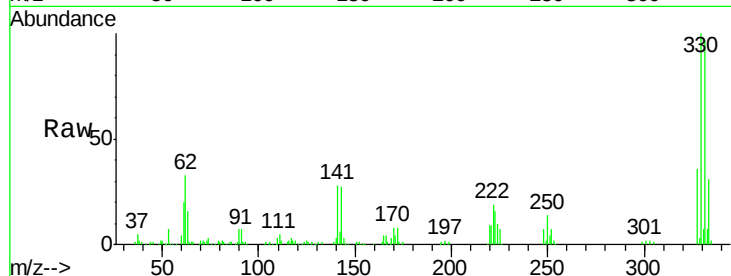




#41  
 2,4,6-Tribromophenol  
 Concen: 79.20 ng  
 RT: 10.78 min Scan# 756  
 Delta R.T. -0.01 min  
 Lab File: BF081778.D  
 Acq: 24 Sep 2015 22:30

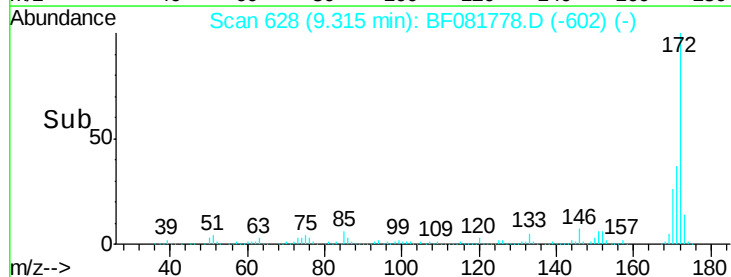
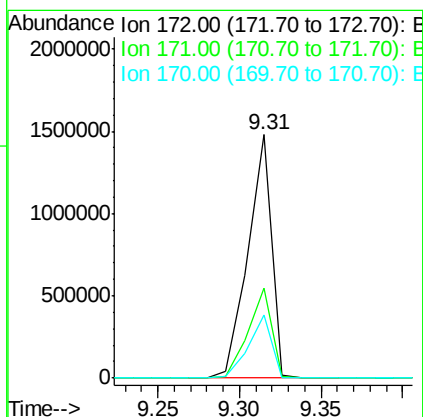
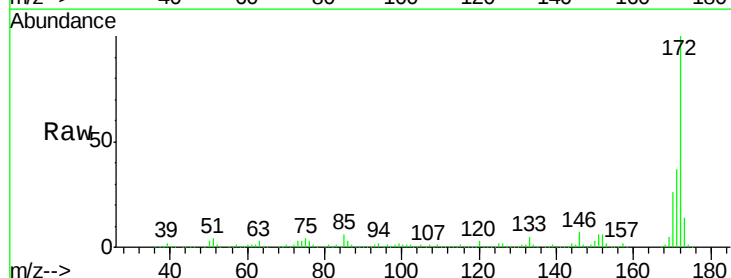
Instrument :  
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 SES-EFFLUENT-CS-8

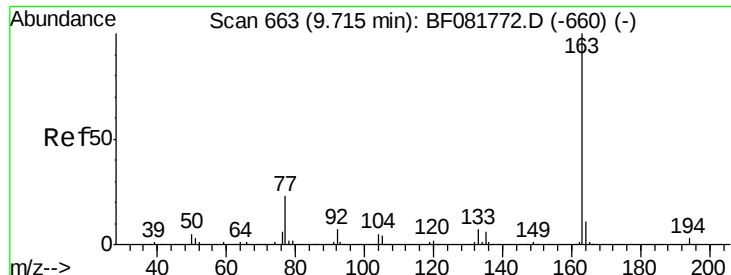
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 97.0  | 76.6  | 114.8 |
| 141     | 36.6  | 29.7  | 44.5  |



#44  
 2-Fluorobiphenyl  
 Concen: 84.40 ng  
 RT: 9.31 min Scan# 628  
 Delta R.T. -0.00 min  
 Lab File: BF081778.D  
 Acq: 24 Sep 2015 22:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 37.2  | 26.1  | 39.1  |
| 170     | 25.7  | 17.4  | 26.2  |

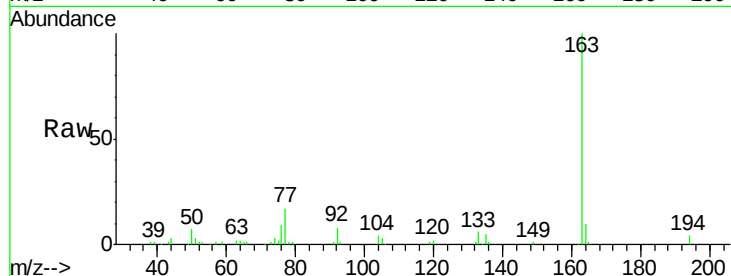




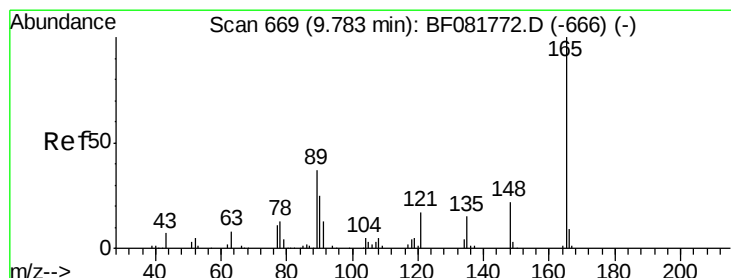
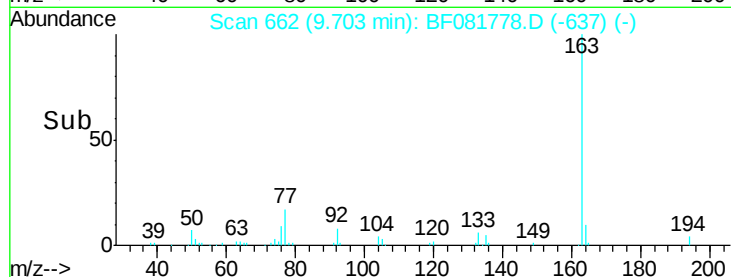
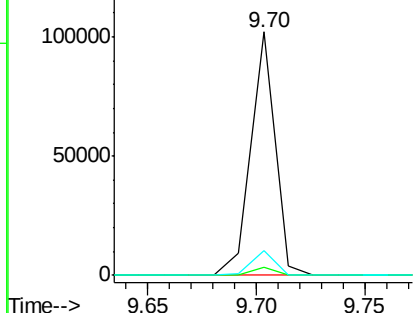
#49  
Dimethylphthalate  
Concen: 3.60 ng  
RT: 9.70 min Scan# 662  
Delta R.T. -0.01 min  
Lab File: BF081778.D  
Acq: 24 Sep 2015 22:30

Instrument :  
BNA\_F  
ClientSampleId :  
SES-EFFLUENT-CS-8

Tot Ion:163 Resp: 79243  
Ion Ratio Lower Upper  
163 100  
194 3.6 4.4 6.6#  
164 10.3 8.3 12.5

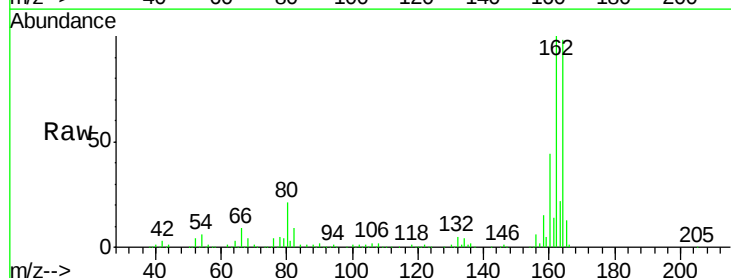


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

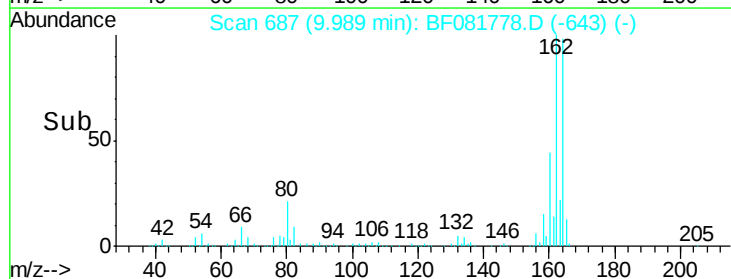
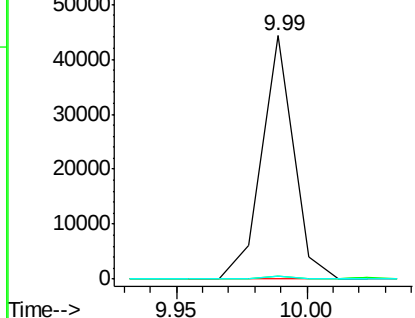


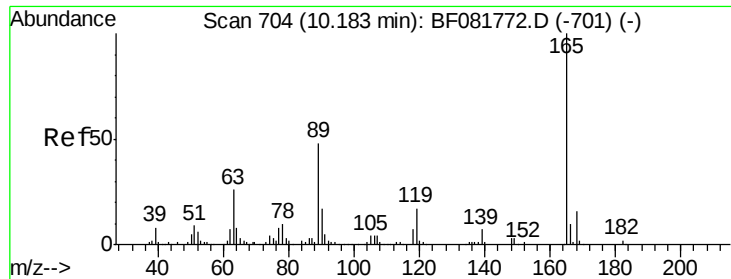
#50  
2,6-Dinitrotoluene  
Concen: 8.81 ng  
RT: 9.99 min Scan# 687  
Delta R.T. 0.21 min  
Lab File: BF081778.D  
Acq: 24 Sep 2015 22:30

Tgt Ion:165 Resp: 37373  
Ion Ratio Lower Upper  
165 100  
63 1.2 32.3 48.5#  
89 1.3 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

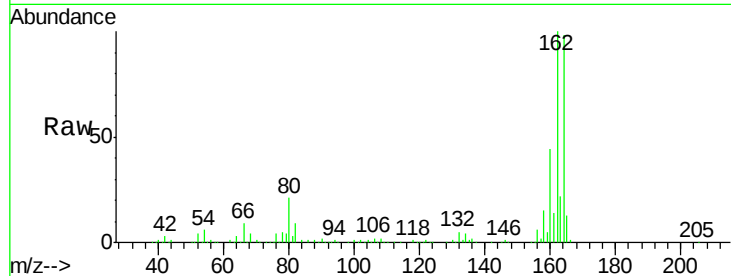




#56  
 2,4-Dinitrotoluene  
 Concen: 7.36 ng  
 RT: 9.99 min Scan# 687  
 Delta R.T. -0.19 min  
 Lab File: BF081778.D  
 Acq: 24 Sep 2015 22:30

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SES-EFFLUENT-CS-8

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.2   | 29.8  | 44.6# |
| 89      | 1.3   | 44.5  | 66.7# |
| 182     | 0.0   | 3.0   | 4.4#  |

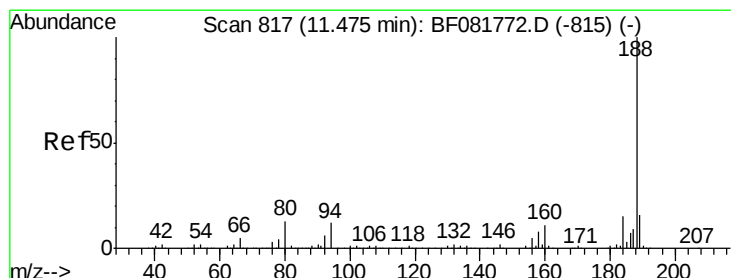
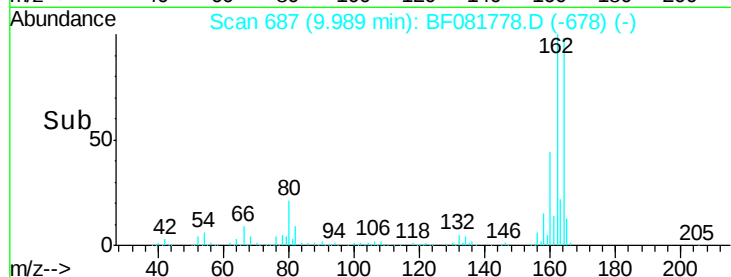
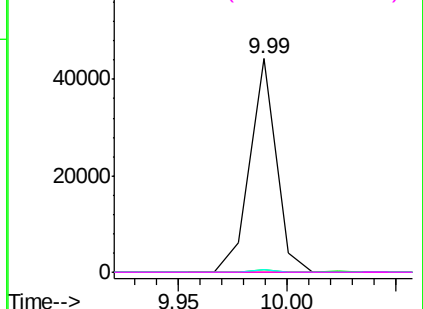


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

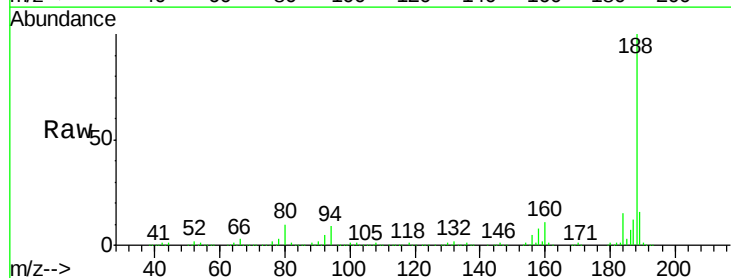
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 11.47 min Scan# 817  
 Delta R.T. -0.00 min  
 Lab File: BF081778.D  
 Acq: 24 Sep 2015 22:30

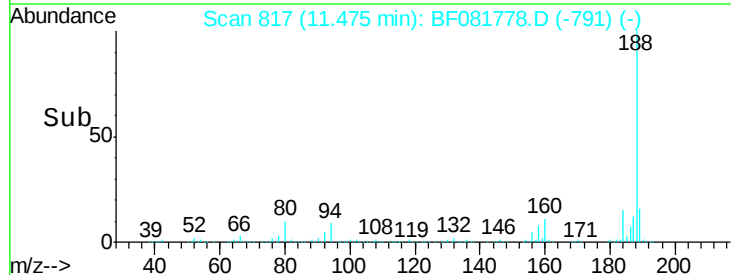
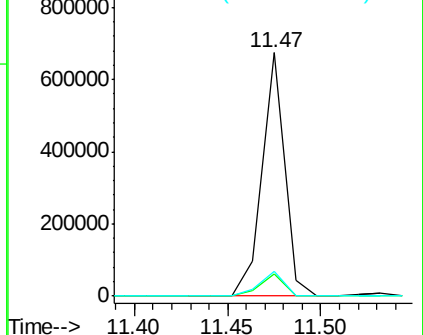
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 9.3   | 11.1  | 16.7# |
| 80      | 10.0  | 11.0  | 16.4# |

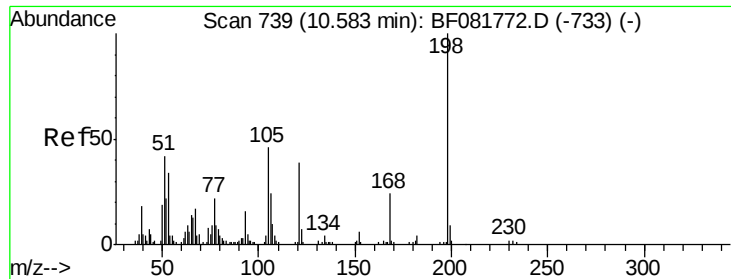


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

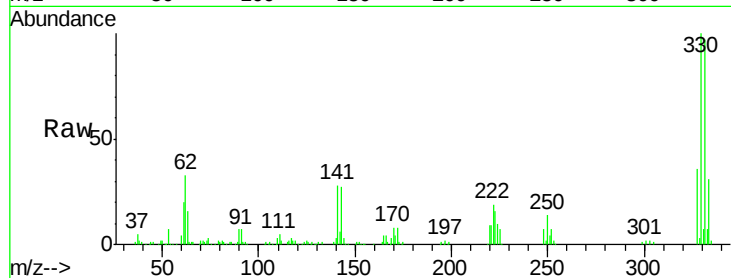




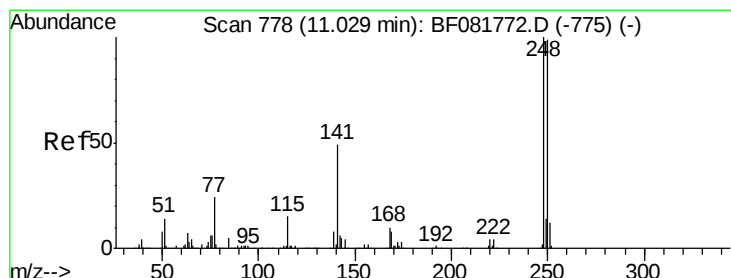
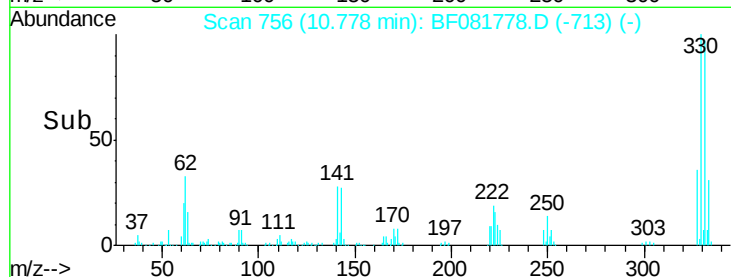
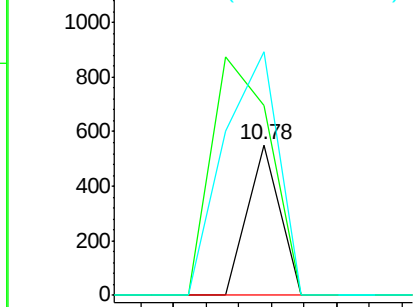
#64  
 4,6-Dinitro-2-methylphenol  
 Concen: 7.85 ng  
 RT: 10.78 min Scan# 756  
 Delta R.T. 0.19 min  
 Lab File: BF081778.D  
 Acq: 24 Sep 2015 22:30

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SES-EFFLUENT-CS-8

Tot Ion:198 Resp: 378  
 Ion Ratio Lower Upper  
 198 100  
 51 126.5 39.6 79.6#  
 105 162.1 28.5 68.5#

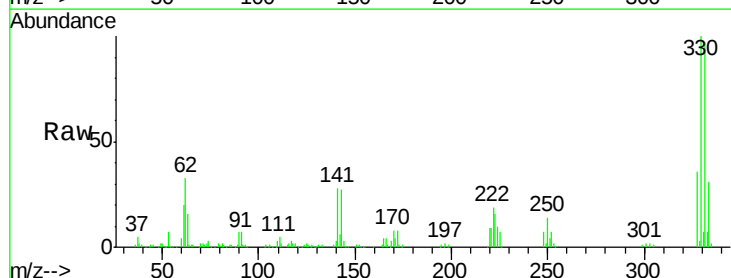


Abundance Ion 198.00 (197.70 to 198.70): E  
 Ion 51.00 (50.70 to 51.70): BF0  
 Ion 105.00 (104.70 to 105.70): E

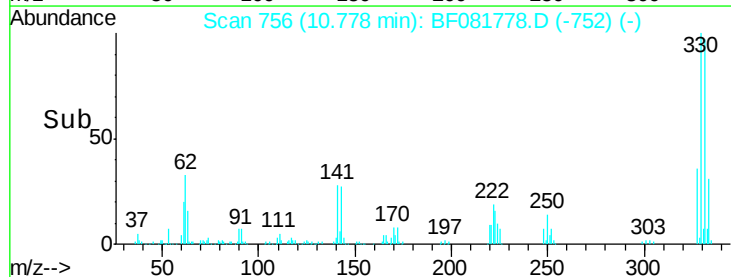
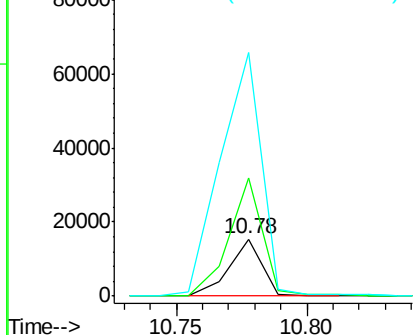


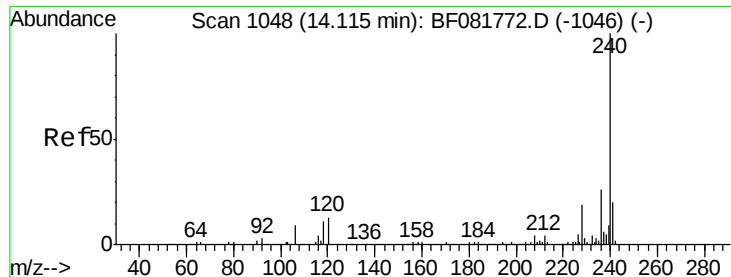
#66  
 4-Bromophenyl-phenylether  
 Concen: 2.19 ng  
 RT: 10.78 min Scan# 756  
 Delta R.T. -0.25 min  
 Lab File: BF081778.D  
 Acq: 24 Sep 2015 22:30

Tgt Ion:248 Resp: 13706  
 Ion Ratio Lower Upper  
 248 100  
 250 205.9 78.5 117.7#  
 141 425.6 59.0 88.6#



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: 14.12 min Scan# 1048

Delta R.T. -0.00 min

Lab File: BF081778.D

Acq: 24 Sep 2015 22:30

Instrument :

BNA\_F

ClientSampleId :

SES-EFFLUENT-CS-8

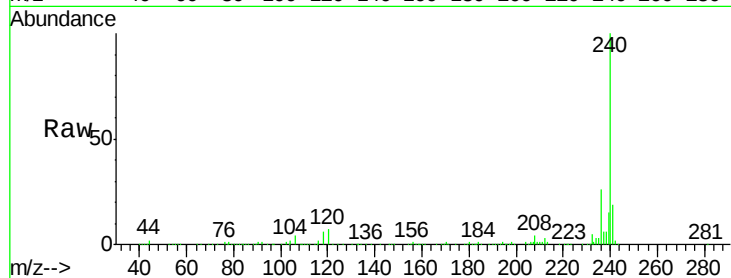
Tot Ion:240 Resp: 451122

Ion Ratio Lower Upper

240 100

120 6.9 16.2 24.2#

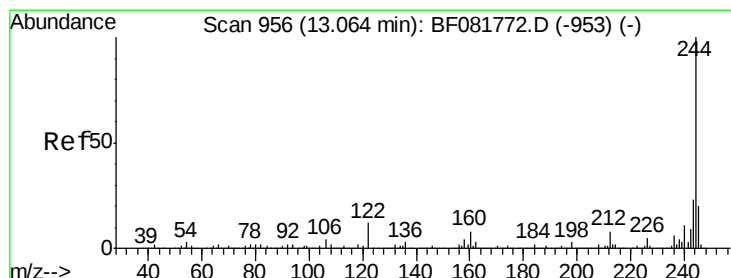
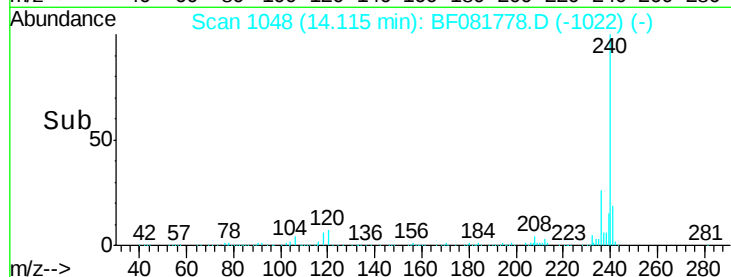
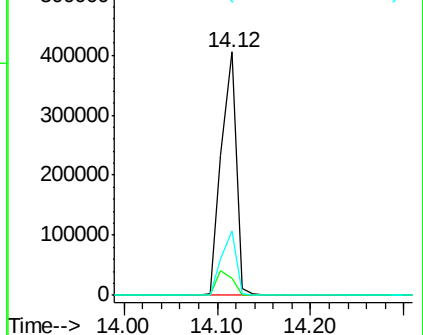
236 26.4 18.4 27.6



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: 70.51 ng

RT: 13.06 min Scan# 956

Delta R.T. -0.00 min

Lab File: BF081778.D

Acq: 24 Sep 2015 22:30

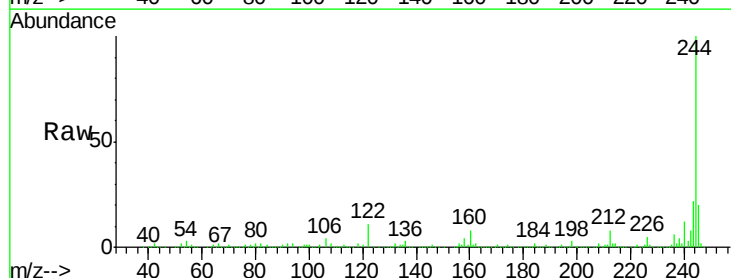
Tgt Ion:244 Resp: 1392543

Ion Ratio Lower Upper

244 100

212 8.4 4.3 6.5#

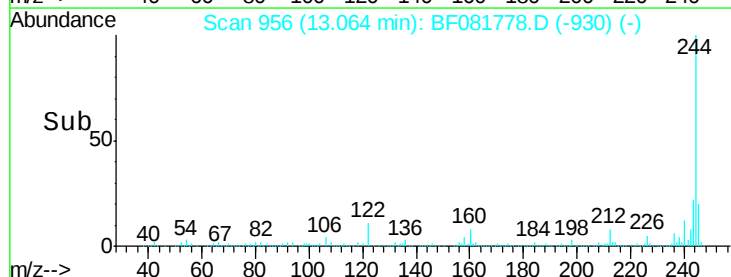
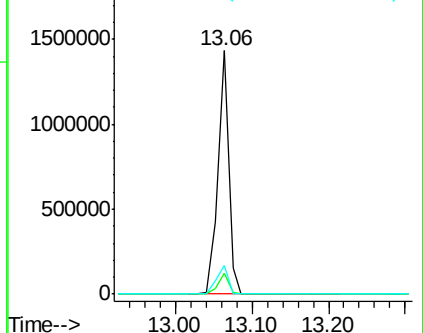
122 11.5 17.4 26.2#

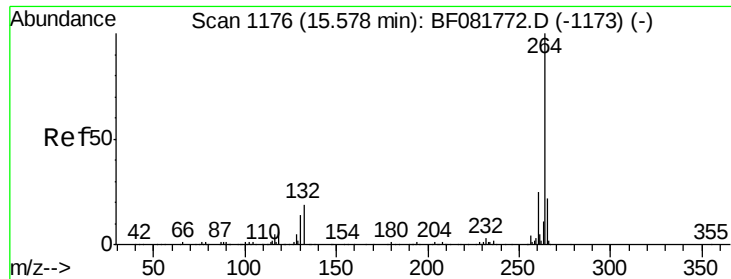


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86  
Pervlene-d12  
Concen: 20.00 ng  
RT: 15.58 min Scan# 1176  
Delta R.T. -0.00 min  
Lab File: BF081778.D  
Acq: 24 Sep 2015 22:30

Instrument :  
BNA\_F  
ClientSampleId :  
SES-EFFLUENT-CS-8

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.8  | 16.7  | 25.1  |
| 265     | 21.5  | 17.2  | 25.8  |

