

Data Path : Z:\HPCHEM1\BNA F\DATA\BF090915\  
 Data File : BF081560.D  
 Acq On : 9 Sep 2015 19:10  
 Operator : UM/IZ  
 Sample : G3608-01  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SES-EFFLUENT-CS-5

Quant Time: Sep 10 04:45:28 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF090115.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Sep 10 04:43:26 2015  
 Response via : Initial Calibration

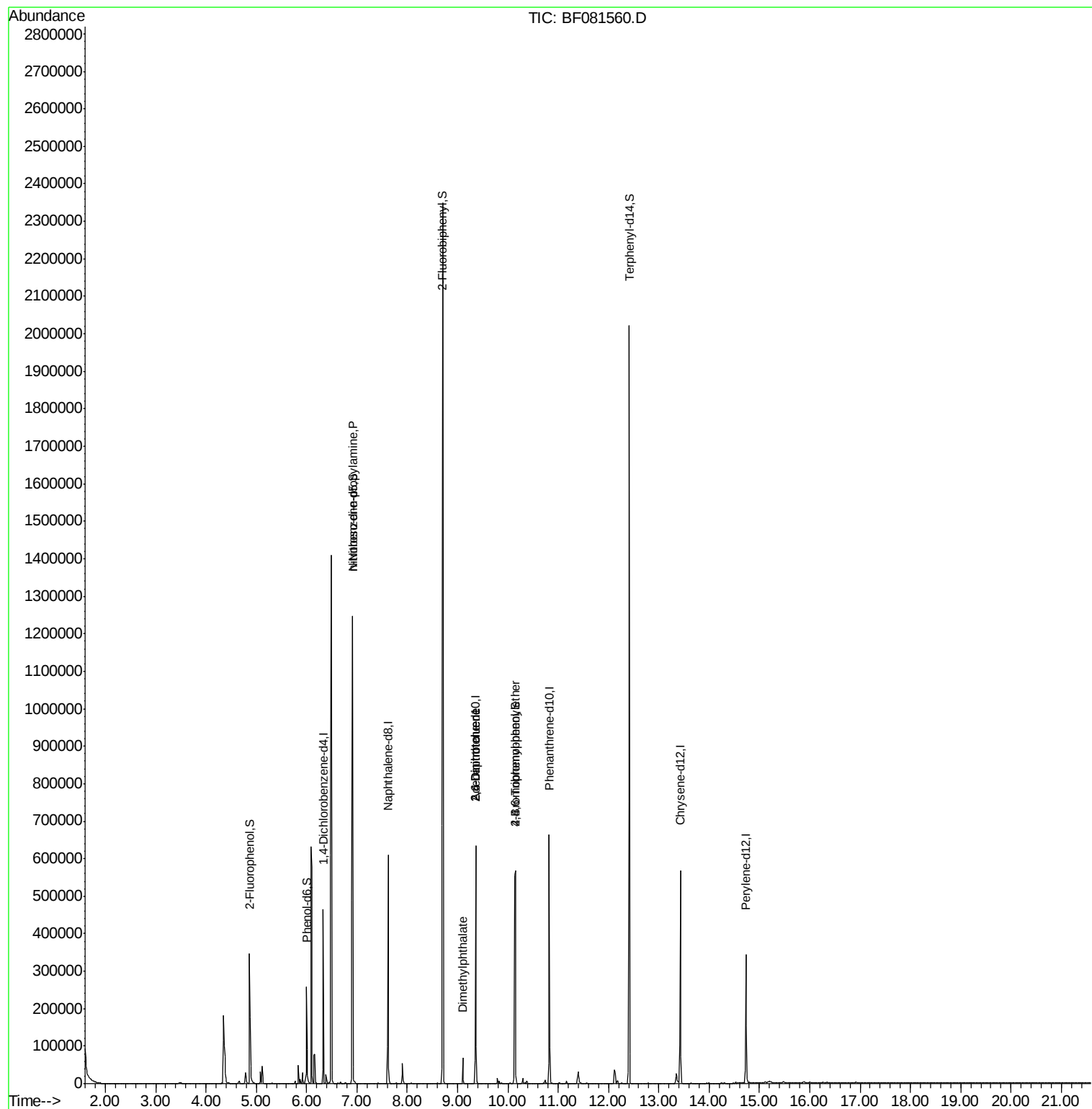
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.33  | 152  | 59491    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8             | 7.62  | 136  | 242978   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10           | 9.36  | 164  | 114039   | 20.00 | ng    | -0.01    |
| 63) Phenanthrene-d10           | 10.82 | 188  | 227584   | 20.00 | ng    | -0.01    |
| 75) Chrysene-d12               | 13.43 | 240  | 194866   | 20.00 | ng    | -0.01    |
| 86) Perylene-d12               | 14.73 | 264  | 142954   | 20.00 | ng    | -0.01    |
| System Monitoring Compounds    |       |      |          |       |       |          |
| 5) 2-Fluorophenol              | 4.87  | 112  | 106812   | 27.86 | ng    | 0.00     |
| 7) Phenol-d6                   | 6.00  | 99   | 81744    | 16.11 | ng    | -0.01    |
| 23) Nitrobenzene-d5            | 6.91  | 82   | 408790   | 81.17 | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol       | 10.15 | 330  | 89160    | 87.81 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl           | 8.71  | 172  | 700965   | 78.77 | ng    | 0.00     |
| 78) Terphenyl-d14              | 12.41 | 244  | 625967   | 74.78 | ng    | 0.00     |
| Target Compounds               |       |      |          |       |       |          |
| 19) n-Nitroso-di-n-propylamine | 6.91  | 70   | 56748    | 16.43 | ng    | # 63     |
| 49) Dimethylphthalate          | 9.11  | 163  | 24872    | 2.81  | ng    | # 97     |
| 50) 2,6-Dinitrotoluene         | 9.36  | 165  | 14704    | 7.31  | ng    | # 39     |
| 56) 2,4-Dinitrotoluene         | 9.36  | 165  | 14704    | 5.74  | ng    | # 33     |
| 66) 4-Bromophenyl-phenylether  | 10.15 | 248  | 6356     | 2.76  | ng    | # 1      |

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

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Misc :  
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SES-EFFLUENT-CS-5

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF090115.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Sep 10 04:43:26 2015  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.33 min Scan# 415

Delta R.T. -0.00 min

Lab File: BF081560.D

Acq: 9 Sep 2015 19:10

Instrument :

BNA\_F

ClientSampleId :

SES-EFFLUENT-CS-5

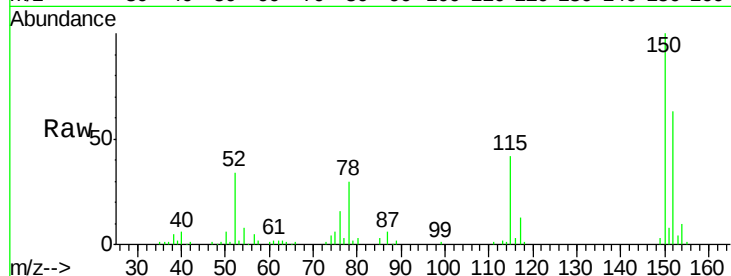
Tot Ion:152 Resp: 59491

Ion Ratio Lower Upper

152 100

150 158.5 124.7 187.1

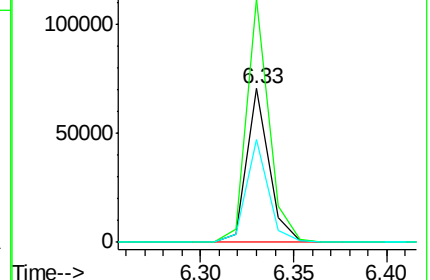
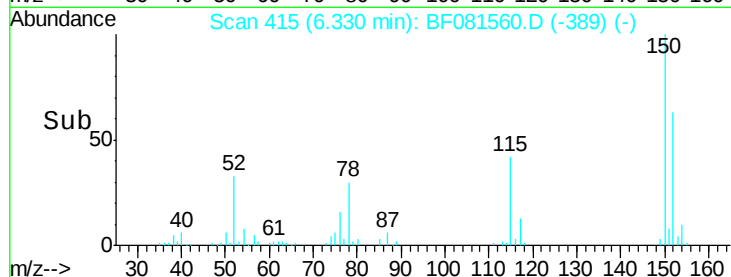
115 67.2 39.0 58.4#



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: 27.86 ng

RT: 4.87 min Scan# 287

Delta R.T. -0.00 min

Lab File: BF081560.D

Acq: 9 Sep 2015 19:10

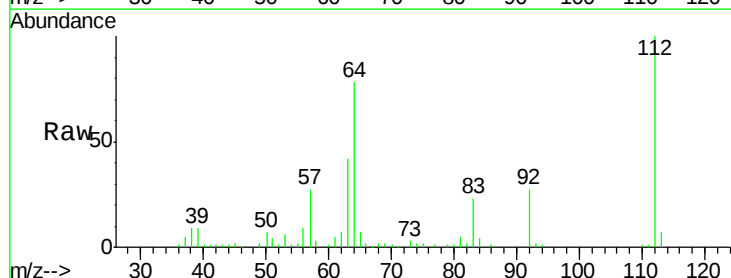
Tgt Ion:112 Resp: 106812

Ion Ratio Lower Upper

112 100

64 78.1 39.7 59.5#

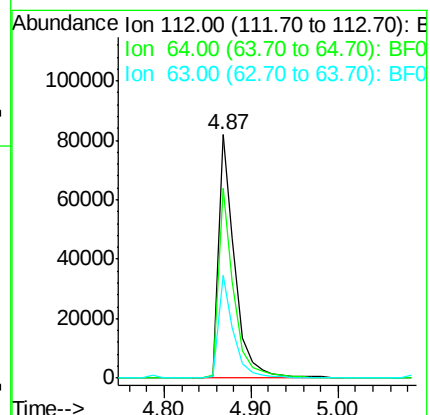
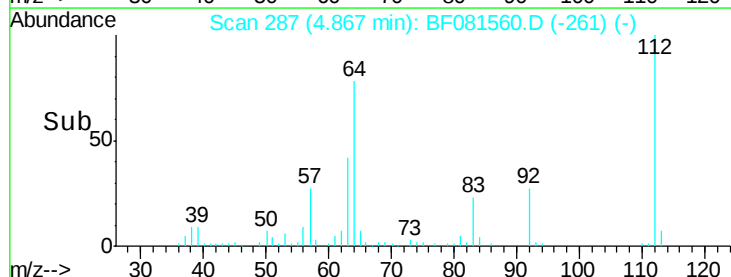
63 42.2 17.4 26.0#

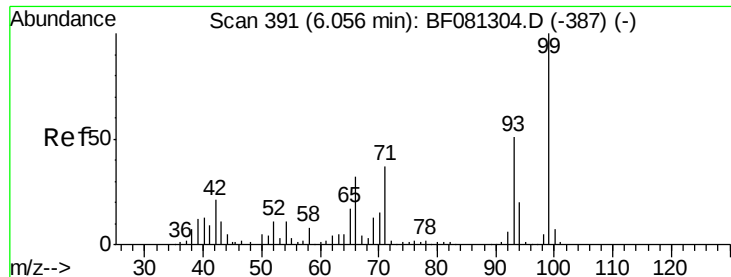


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 16.11 ng

RT: 6.00 min Scan# 386

Delta R.T. -0.01 min

Lab File: BF081560.D

Acq: 9 Sep 2015 19:10

Instrument :

BNA\_F

ClientSampleId :

SES-EFFLUENT-CS-5

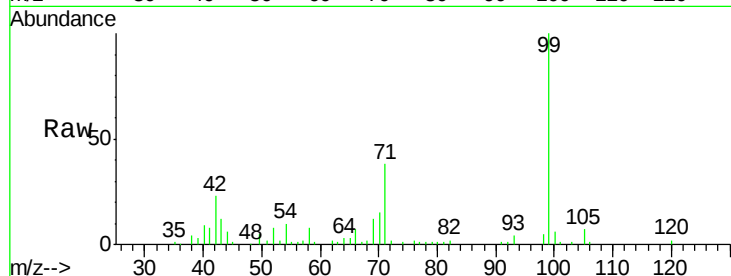
Tot Ion: 99 Resp: 81744

Ion Ratio Lower Upper

99 100

42 22.6 13.7 20.5#

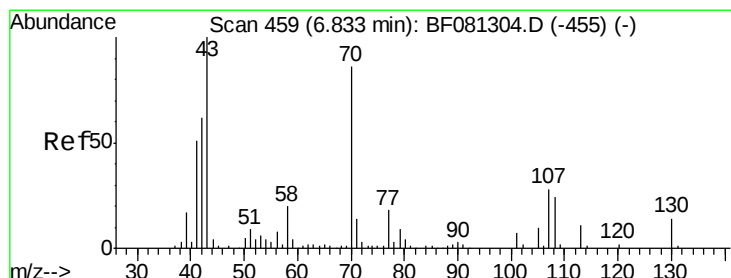
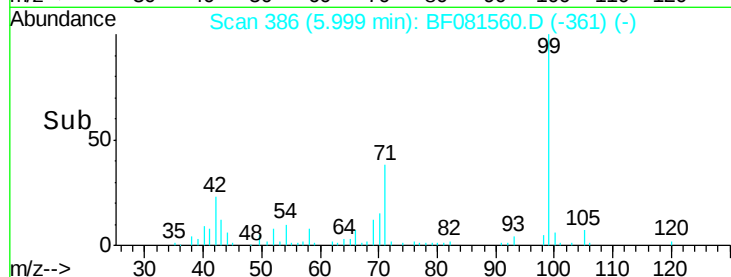
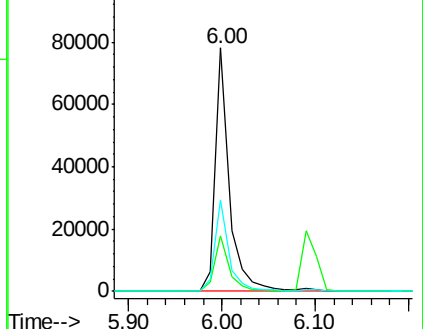
71 37.8 14.2 21.2#



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



#19

n-Nitroso-di-n-propylamine

Concen: 16.43 ng

RT: 6.91 min Scan# 466

Delta R.T. 0.13 min

Lab File: BF081560.D

Acq: 9 Sep 2015 19:10

Tgt Ion: 70 Resp: 56748

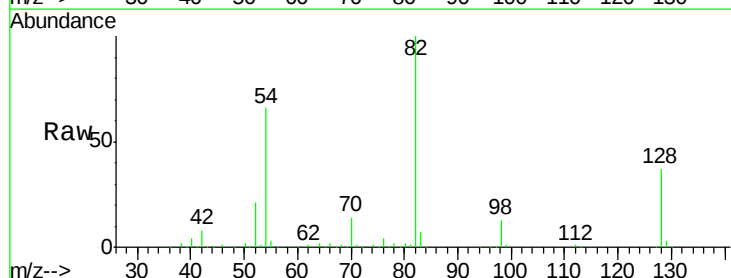
Ion Ratio Lower Upper

70 100

42 53.8 63.8 95.6#

101 0.0 9.2 13.8#

130 1.6 27.3 40.9#

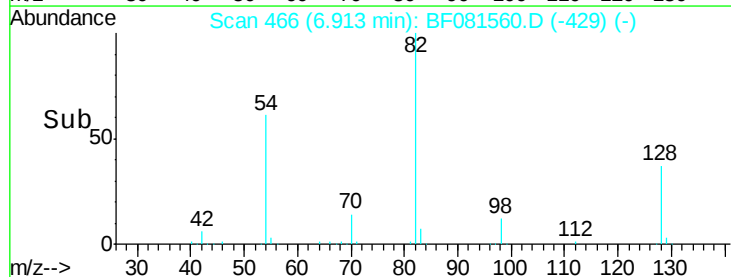
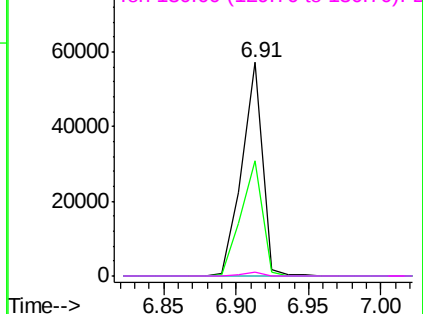


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E

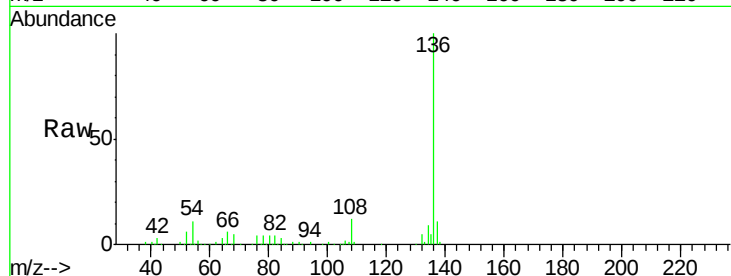




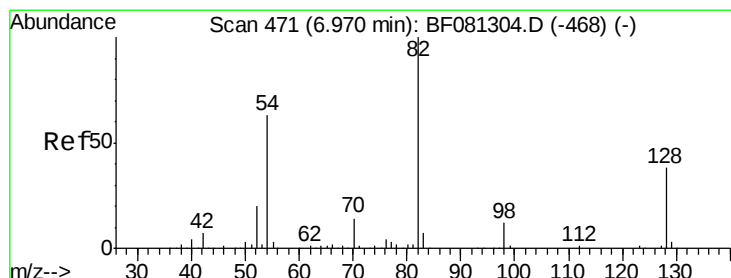
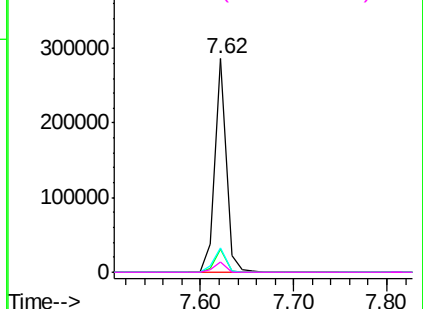
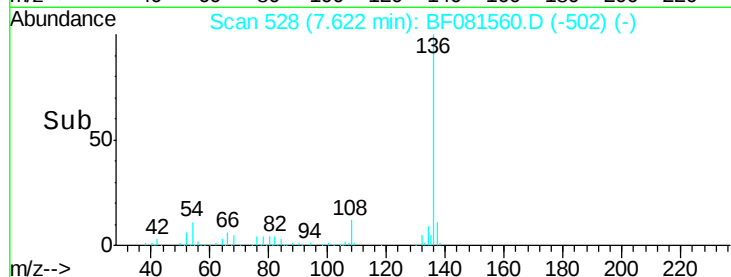
#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 7.62 min Scan# 528  
Delta R.T. -0.00 min  
Lab File: BF081560.D  
Acq: 9 Sep 2015 19:10

Instrument :  
BNA\_F  
ClientSampleId :  
SES-EFFLUENT-CS-5

|             |       |             |
|-------------|-------|-------------|
| Tot Ion:136 | Resp: | 242978      |
| Ion         | Ratio | Lower Upper |
| 136         | 100   |             |
| 137         | 10.9  | 9.0 13.6    |
| 54          | 11.3  | 8.2 12.2    |
| 68          | 4.7   | 5.8 8.6#    |

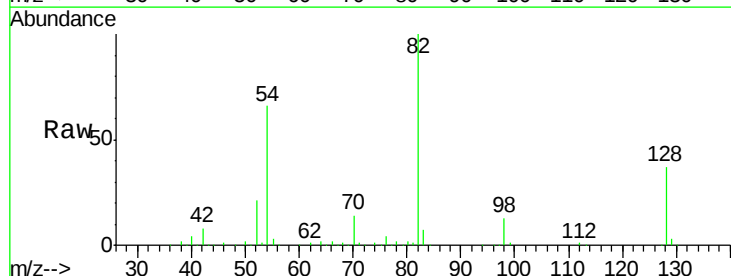


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF0  
Ion 68.00 (67.70 to 68.70): BF0

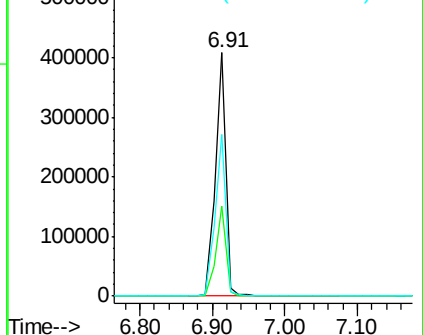
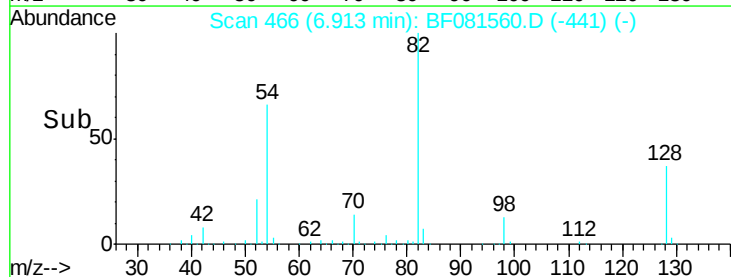


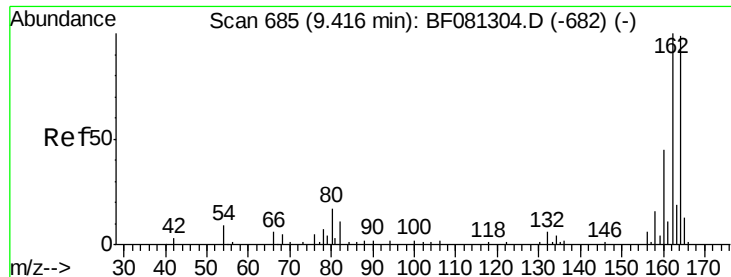
#23  
Nitrobenzene-d5  
Concen: 81.17 ng  
RT: 6.91 min Scan# 466  
Delta R.T. -0.01 min  
Lab File: BF081560.D  
Acq: 9 Sep 2015 19:10

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion: 82 | Resp: | 408790      |
| Ion         | Ratio | Lower Upper |
| 82          | 100   |             |
| 128         | 37.0  | 51.0 76.6#  |
| 54          | 66.3  | 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

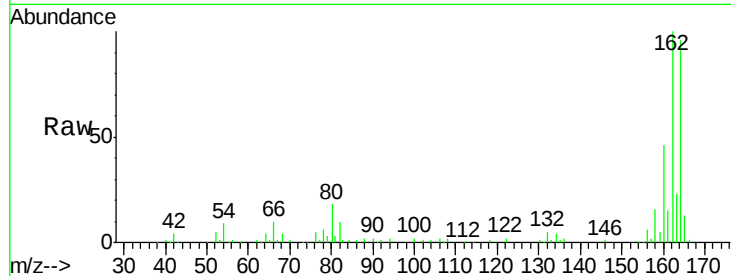




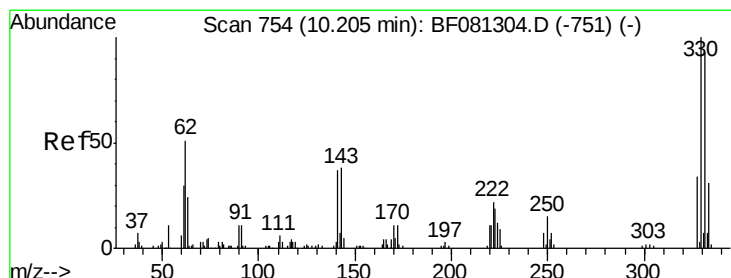
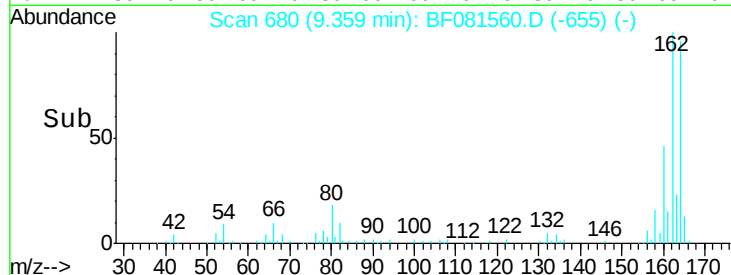
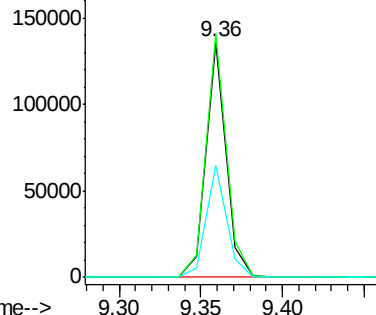
#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.36 min Scan# 680  
Delta R.T. -0.01 min  
Lab File: BF081560.D  
Acq: 9 Sep 2015 19:10

Instrument :  
BNA\_F  
ClientSampleId :  
SES-EFFLUENT-CS-5

Tot Ion:164 Resp: 114039  
Ion Ratio Lower Upper  
164 100  
162 103.8 75.2 112.8  
160 47.6 31.5 47.3#

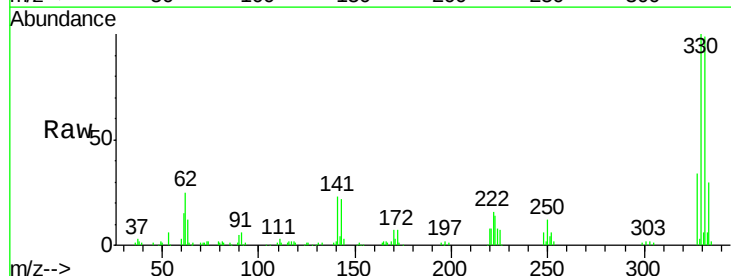


Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

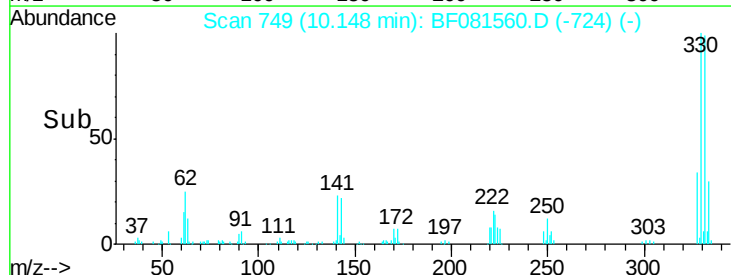
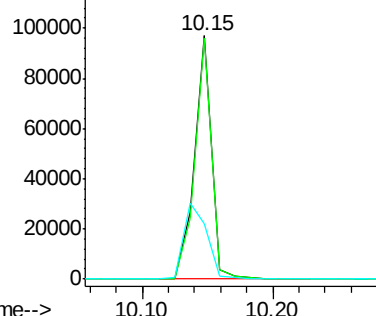


#41  
2,4,6-Tribromophenol  
Concen: 87.81 ng  
RT: 10.15 min Scan# 749  
Delta R.T. -0.01 min  
Lab File: BF081560.D  
Acq: 9 Sep 2015 19:10

Tgt Ion:330 Resp: 89160  
Ion Ratio Lower Upper  
330 100  
332 97.2 76.6 114.8  
141 41.8 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

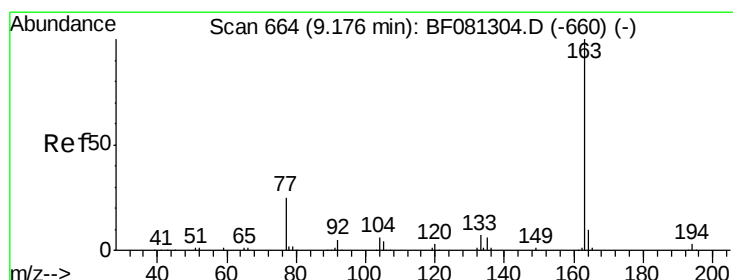
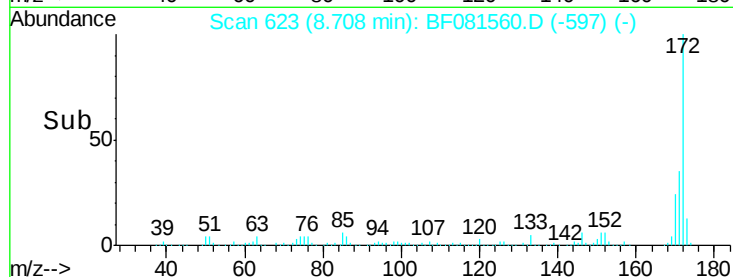
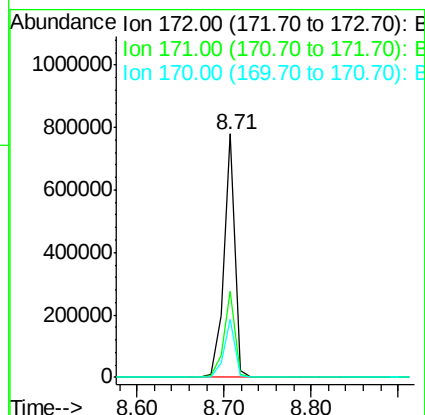
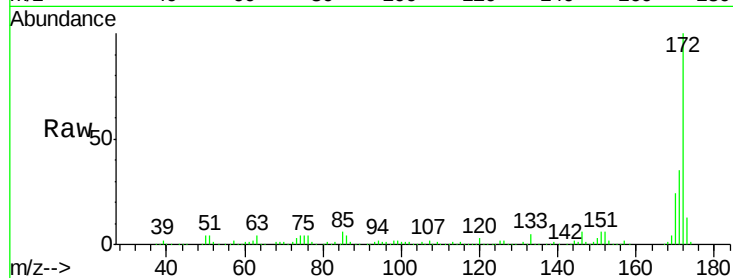




#44  
2-Fluorobiphenyl  
Concen: 78.77 ng  
RT: 8.71 min Scan# 623  
Delta R.T. -0.00 min  
Lab File: BF081560.D  
Acq: 9 Sep 2015 19:10

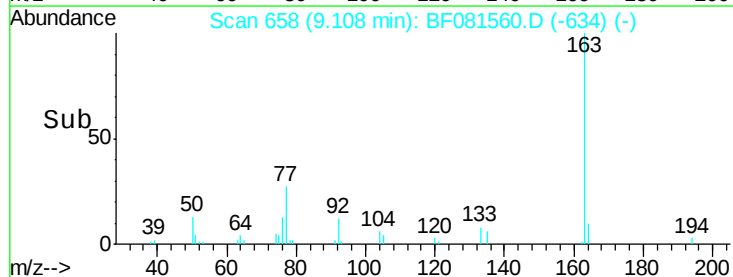
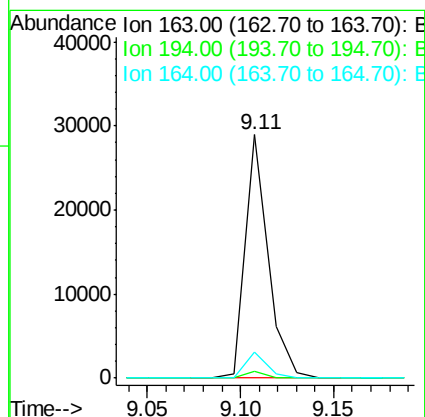
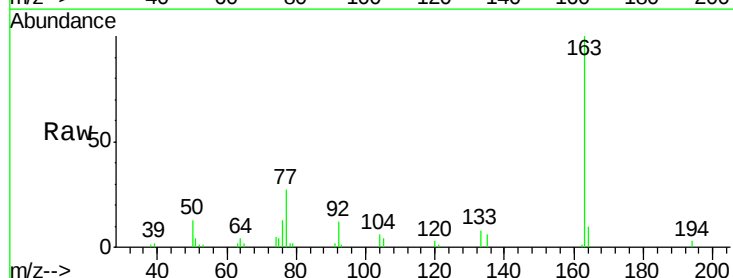
Instrument :  
BNA\_F  
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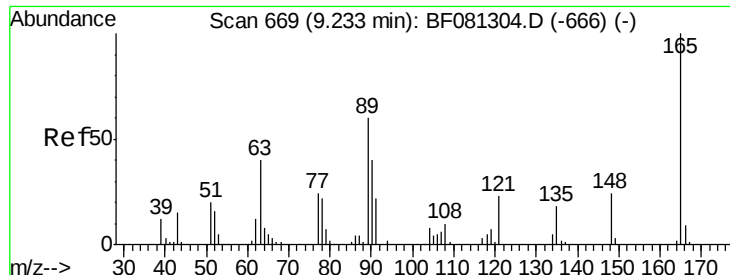
Tot Ion:172 Resp: 700965  
Ion Ratio Lower Upper  
172 100  
171 35.3 26.1 39.1  
170 24.0 17.4 26.2



#49  
Dimethylphthalate  
Concen: 2.81 ng  
RT: 9.11 min Scan# 658  
Delta R.T. -0.02 min  
Lab File: BF081560.D  
Acq: 9 Sep 2015 19:10

Tgt Ion:163 Resp: 24872  
Ion Ratio Lower Upper  
163 100  
194 2.7 4.4 6.6#  
164 10.4 8.3 12.5

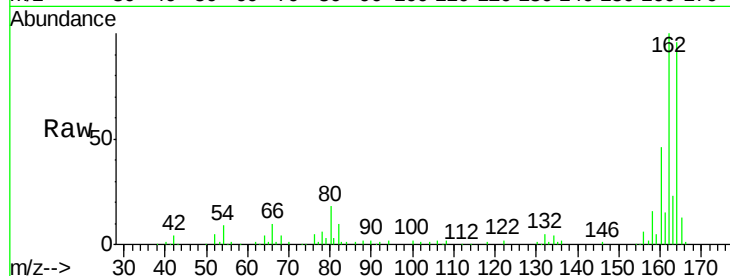




#50  
 2,6-Dinitrotoluene  
 Concen: 7.31 ng  
 RT: 9.36 min Scan# 680  
 Delta R.T. 0.17 min  
 Lab File: BF081560.D  
 Acq: 9 Sep 2015 19:10

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SES-EFFLUENT-CS-5

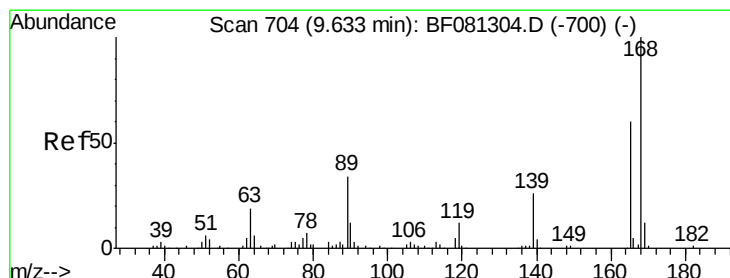
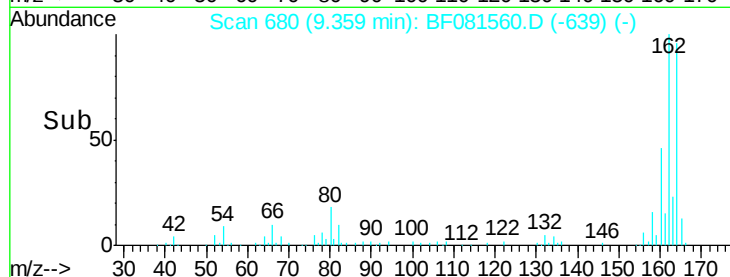
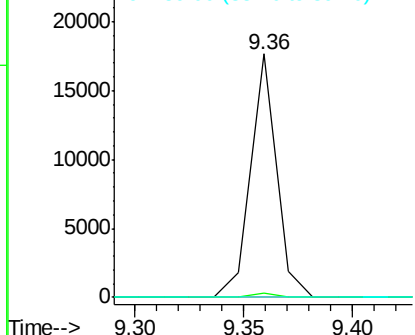
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 2.0   | 32.3  | 48.5# |
| 89      | 0.0   | 28.6  | 43.0# |



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: 5.74 ng  
 RT: 9.36 min Scan# 680  
 Delta R.T. -0.23 min  
 Lab File: BF081560.D  
 Acq: 9 Sep 2015 19:10

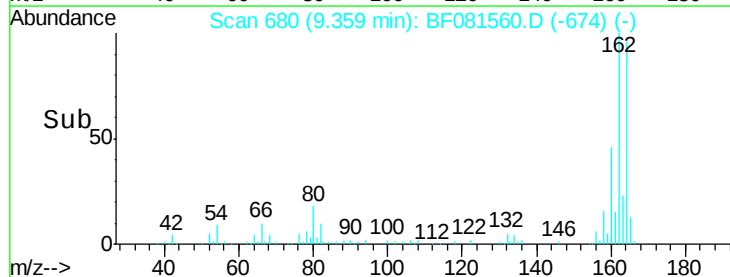
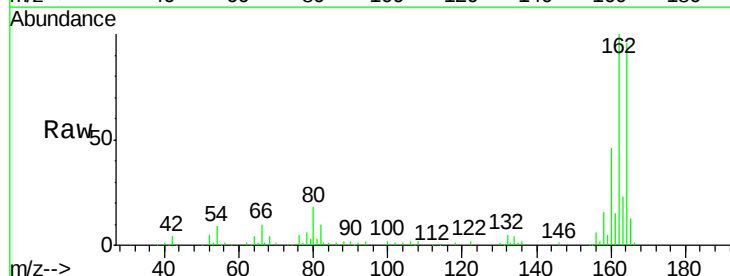
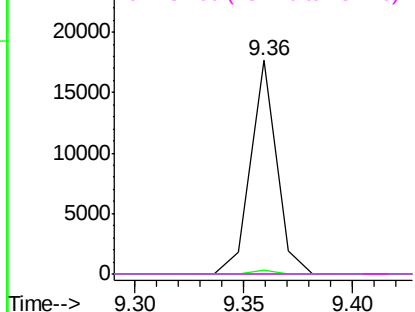
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 2.0   | 29.8  | 44.6# |
| 89      | 0.0   | 44.5  | 66.7# |
| 182     | 0.0   | 3.0   | 4.4#  |

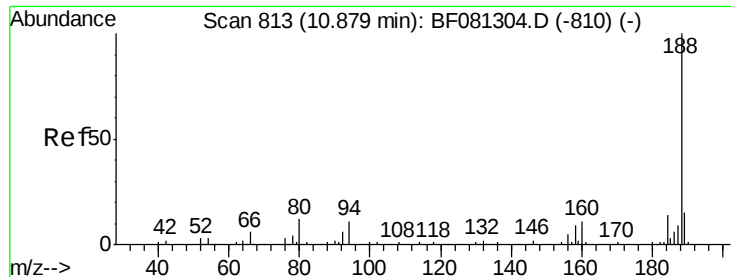
Abundance Ion 165.00 (164.70 to 165.70): E

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

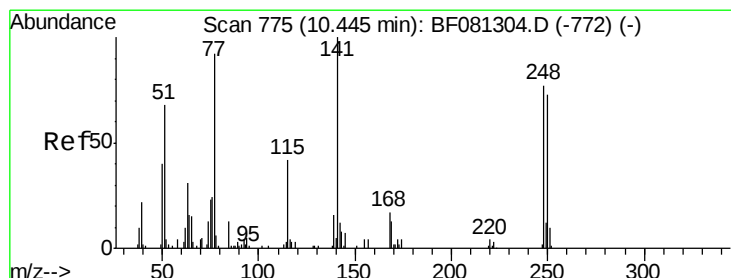
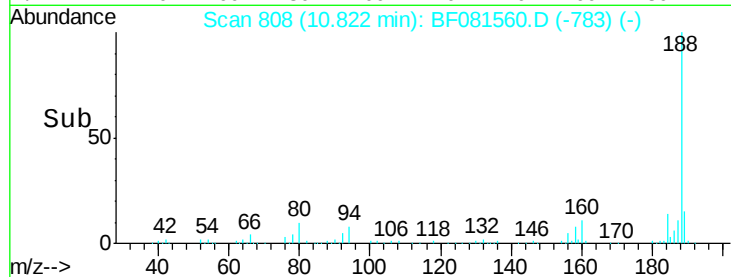
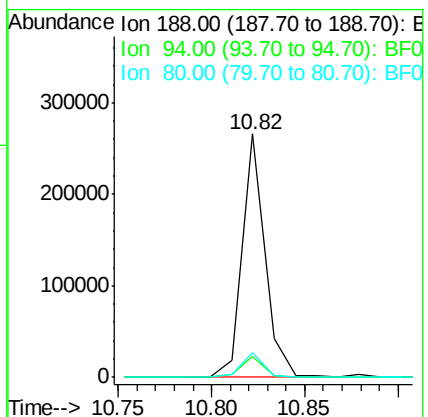
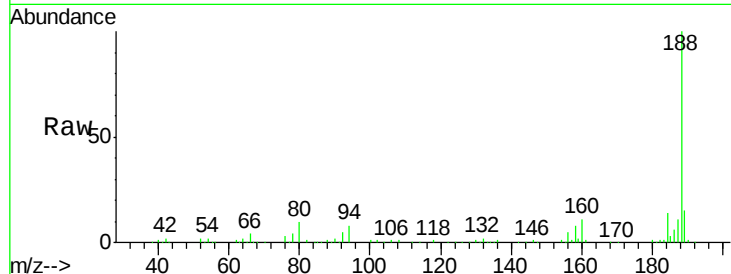




#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 10.82 min Scan# 808  
Delta R.T. -0.01 min  
Lab File: BF081560.D  
Acq: 9 Sep 2015 19:10

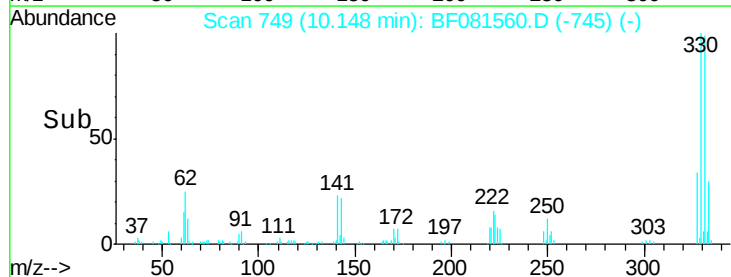
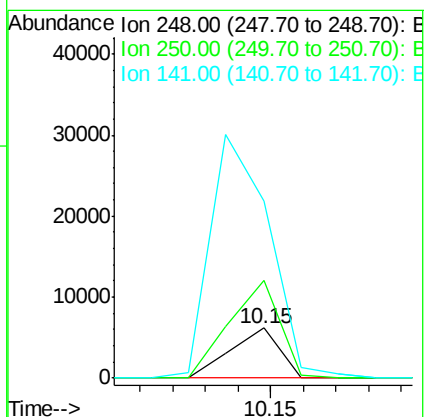
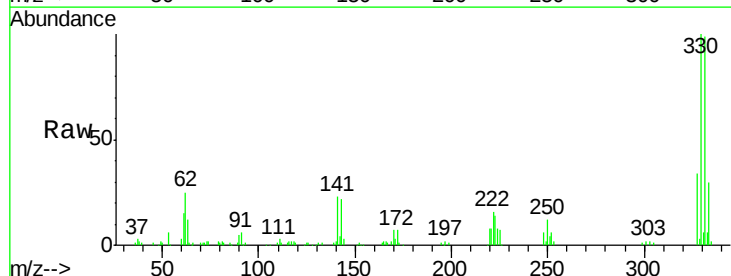
Instrument :  
BNA\_F  
ClientSampleId :  
SES-EFFLUENT-CS-5

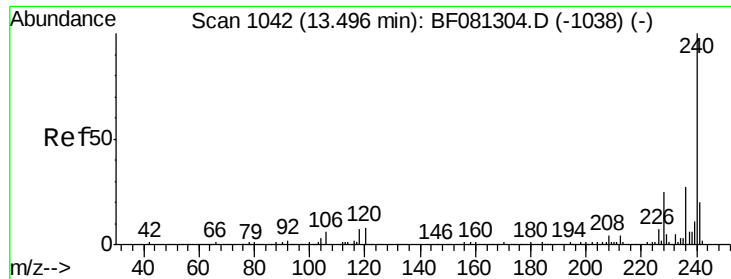
Tot Ion:188 Resp: 227584  
Ion Ratio Lower Upper  
188 100  
94 8.4 11.1 16.7#  
80 10.1 11.0 16.4#



#66  
4-Bromophenyl-phenylether  
Concen: 2.76 ng  
RT: 10.15 min Scan# 749  
Delta R.T. -0.25 min  
Lab File: BF081560.D  
Acq: 9 Sep 2015 19:10

Tgt Ion:248 Resp: 6356  
Ion Ratio Lower Upper  
248 100  
250 194.2 78.5 117.7#  
141 354.6 59.0 88.6#

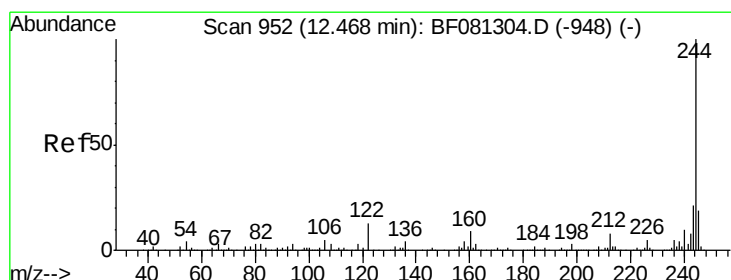
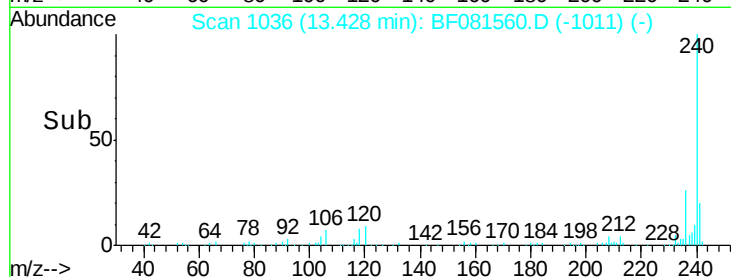
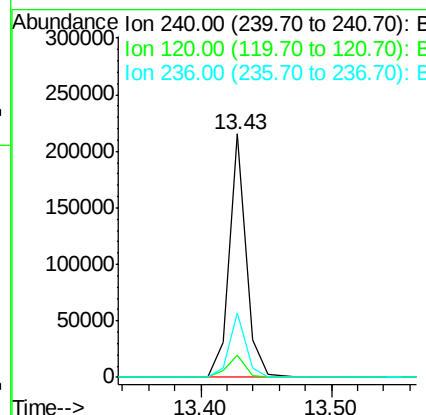
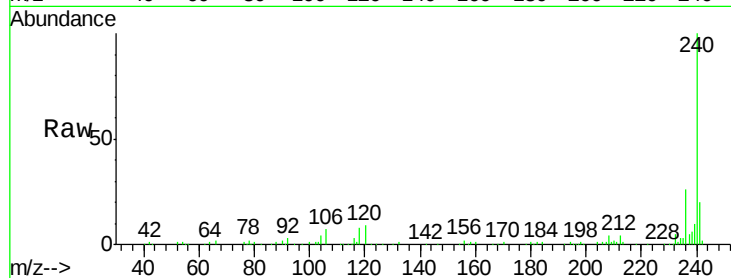




#75  
 Chrysene-d12  
 Concen: 20.00 ng  
 RT: 13.43 min Scan# 1036  
 Delta R.T. -0.01 min  
 Lab File: BF081560.D  
 Acq: 9 Sep 2015 19:10

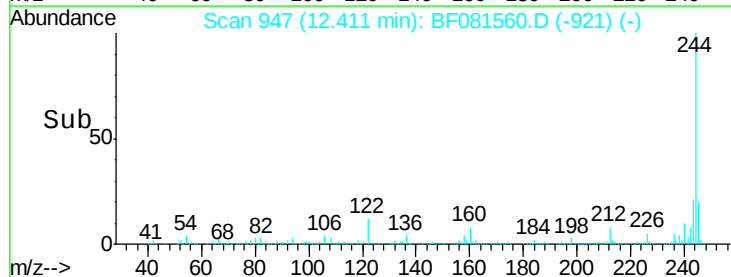
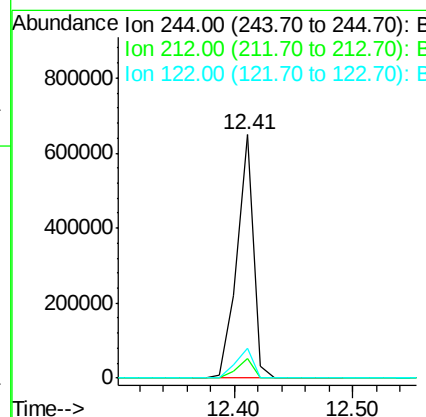
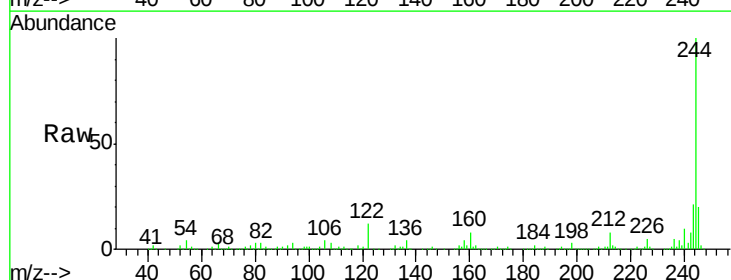
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SES-EFFLUENT-CS-5

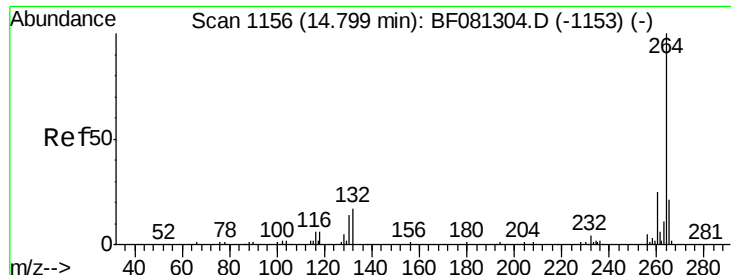
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 9.1   | 16.2  | 24.2# |
| 236     | 26.3  | 18.4  | 27.6  |



#78  
 Terphenyl-d14  
 Concen: 74.78 ng  
 RT: 12.41 min Scan# 947  
 Delta R.T. -0.00 min  
 Lab File: BF081560.D  
 Acq: 9 Sep 2015 19:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 7.8   | 4.3   | 6.5#  |
| 122     | 12.1  | 17.4  | 26.2# |

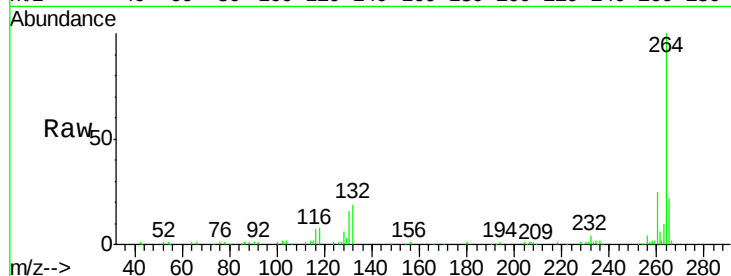




#86  
 Pervlene-d12  
 Concen: 20.00 ng  
 RT: 14.73 min Scan# 1150  
 Delta R.T. -0.01 min  
 Lab File: BF081560.D  
 Acq: 9 Sep 2015 19:10

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SES-EFFLUENT-CS-5

Tot Ion:264 Resp: 142954  
 Ion Ratio Lower Upper  
 264 100  
 260 25.0 16.7 25.1  
 265 21.8 17.2 25.8



Abundance Ion 264.00 (263.70 to 264.70): E  
 Ion 260.00 (259.70 to 260.70): E  
 Ion 265.00 (264.70 to 265.70): E

