

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF082615\  
 Data File : BF081226.D  
 Acq On : 26 Aug 2015 22:19  
 Operator : UM/IZ  
 Sample : G3433-01  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SES EFFLUENT CS-1

Quant Time: Aug 27 01:23:31 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF081715.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Aug 24 13:58:19 2015  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.51  | 152  | 47216    | 20.00 | ng    | -0.02    |
| 21) Naphthalene-d8          | 7.81  | 136  | 170846   | 20.00 | ng    | -0.02    |
| 38) Acenaphthene-d10        | 9.54  | 164  | 83685    | 20.00 | ng    | -0.04    |
| 63) Phenanthrene-d10        | 11.01 | 188  | 158228   | 20.00 | ng    | -0.04    |
| 75) Chrysene-d12            | 13.62 | 240  | 146916   | 20.00 | ng    | -0.04    |
| 86) Perylene-d12            | 14.95 | 264  | 107031   | 20.00 | ng    | -0.04    |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.07  | 112  | 106736   | 34.00 | ng    | -0.02    |
| 7) Phenol-d6                | 6.16  | 99   | 88963    | 21.72 | ng    | -0.04    |
| 23) Nitrobenzene-d5         | 7.09  | 82   | 317072   | 84.78 | ng    | -0.04    |
| 41) 2,4,6-Tribromophenol    | 10.33 | 330  | 60259    | 83.07 | ng    | -0.02    |
| 44) 2-Fluorobiphenyl        | 8.88  | 172  | 499913   | 78.27 | ng    | -0.02    |
| 78) Terphenyl-d14           | 12.59 | 244  | 465116   | 67.87 | ng    | -0.04    |

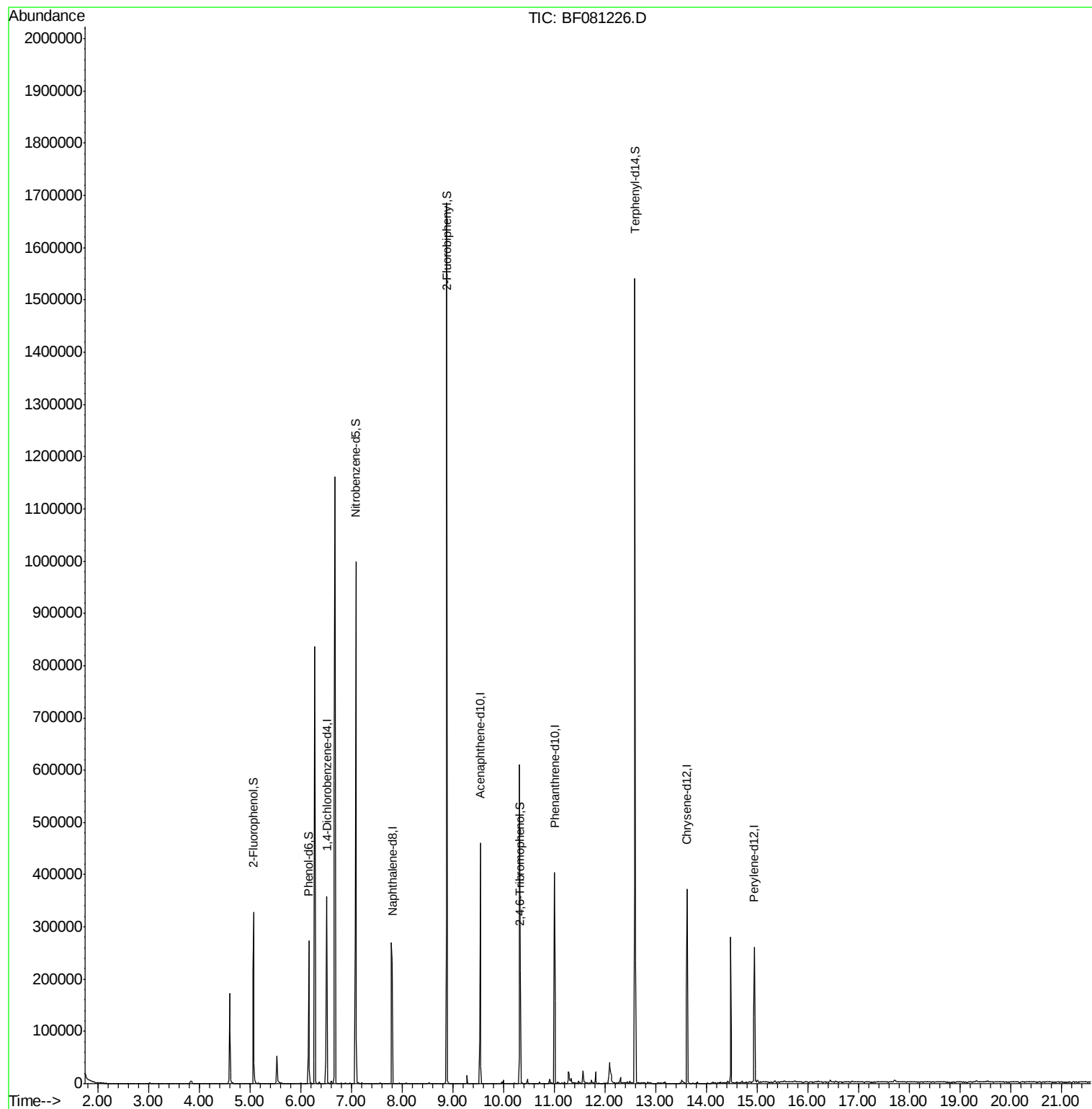
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

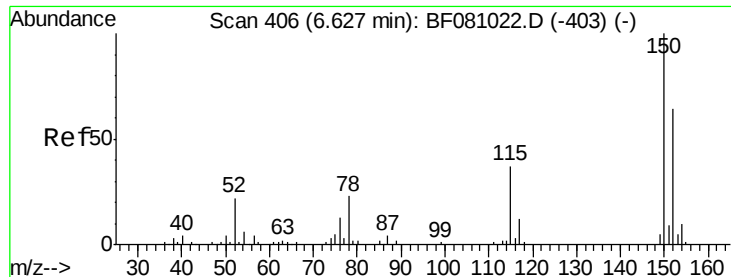
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 12 Sample Multiplier: 1

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QLast Update : Mon Aug 24 13:58:19 2015  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.51 min Scan# 418

Delta R.T. -0.02 min

Lab File: BF081226.D

Acq: 26 Aug 2015 22:19

Instrument :

BNA\_F

ClientSampleId :

SES EFFLUENT CS-1

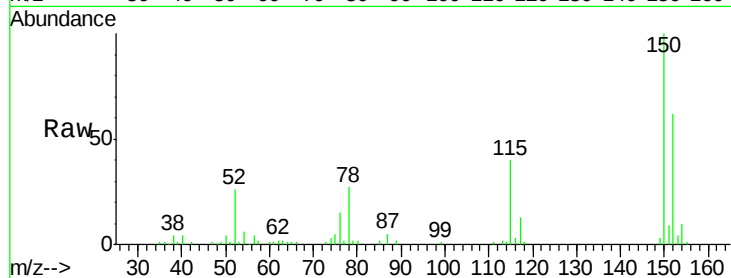
Tgt Ion:152 Resp: 47216

Ion Ratio Lower Upper

152 100

150 160.9 123.8 185.6

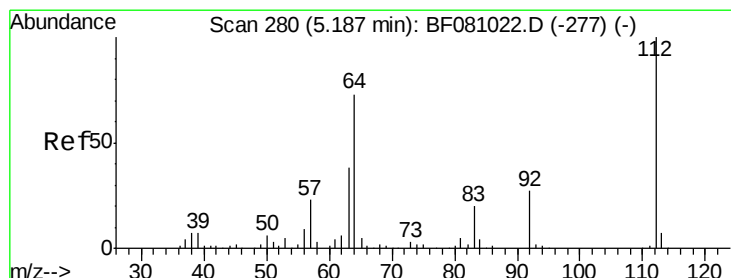
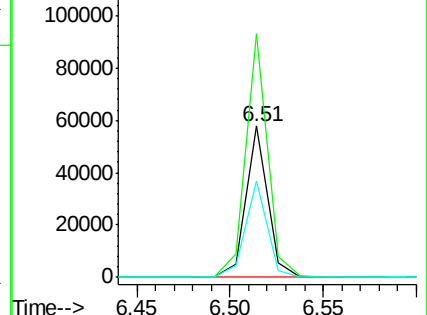
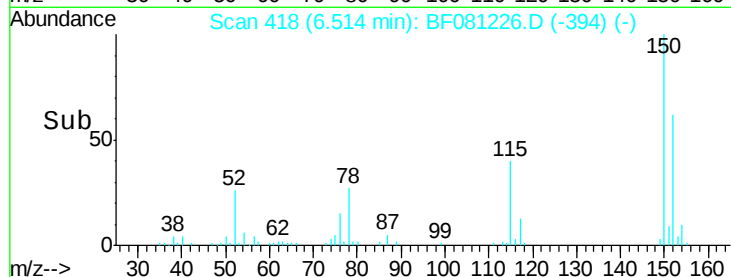
115 64.0 52.1 78.1



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: 34.00 ng

RT: 5.07 min Scan# 292

Delta R.T. -0.02 min

Lab File: BF081226.D

Acq: 26 Aug 2015 22:19

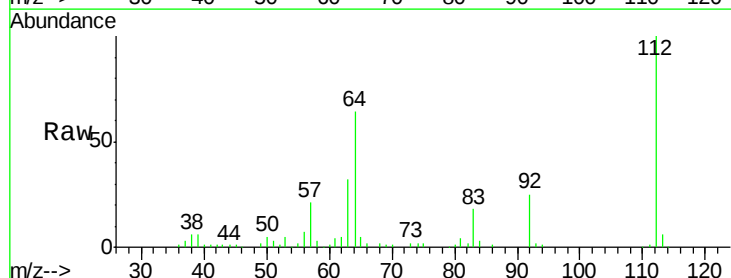
Tgt Ion:112 Resp: 106736

Ion Ratio Lower Upper

112 100

64 63.7 66.9 100.3#

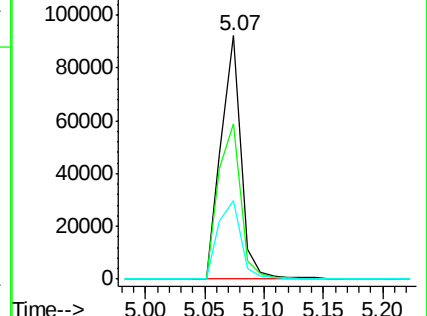
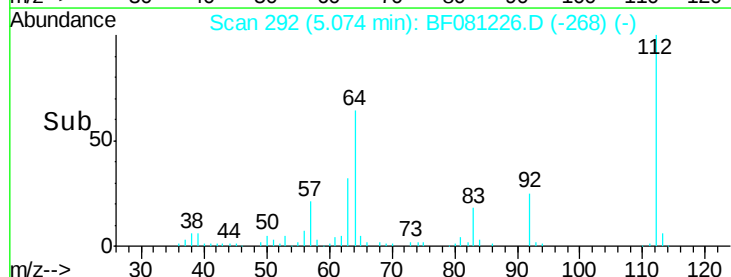
63 32.4 38.1 57.1#

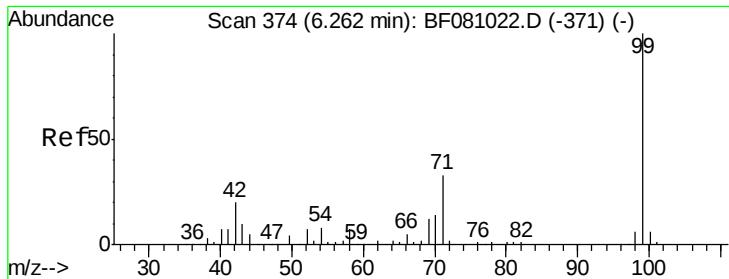


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 21.72 ng

RT: 6.16 min Scan# 387

Delta R.T. -0.04 min

Lab File: BF081226.D

Acq: 26 Aug 2015 22:19

Instrument :

BNA\_F

ClientSampleId :

SES EFFLUENT CS-1

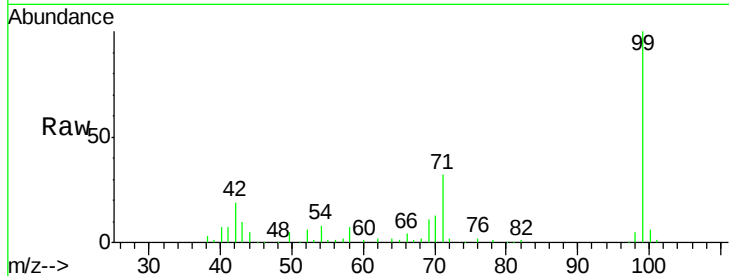
Tgt Ion: 99 Resp: 88963

Ion Ratio Lower Upper

99 100

42 18.9 19.6 29.4#

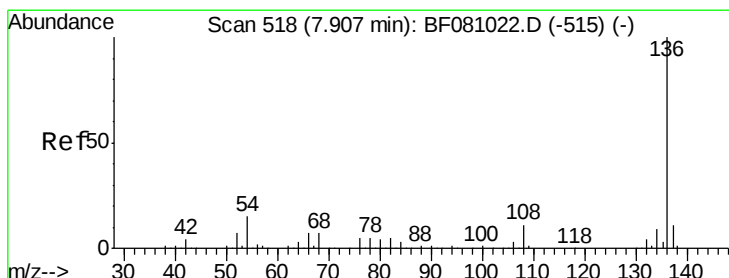
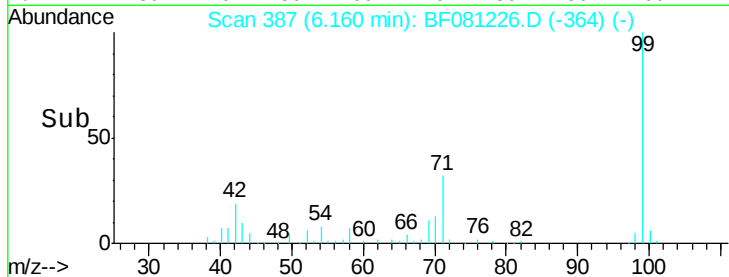
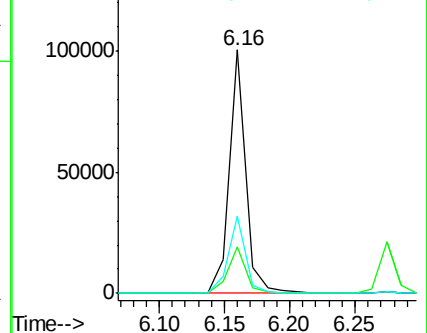
71 31.7 31.2 46.8



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.81 min Scan# 531

Delta R.T. -0.02 min

Lab File: BF081226.D

Acq: 26 Aug 2015 22:19

Tgt Ion: 136 Resp: 170846

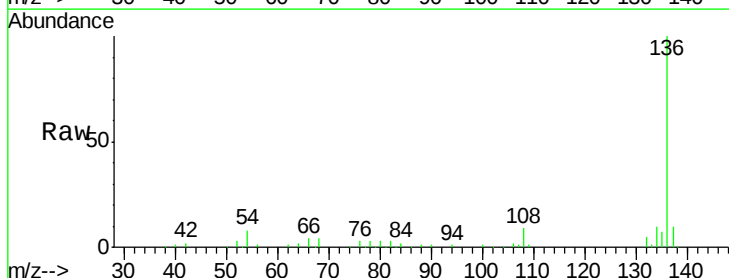
Ion Ratio Lower Upper

136 100

137 10.4 8.2 12.2

54 7.9 7.7 11.5

68 4.3 3.4 5.2

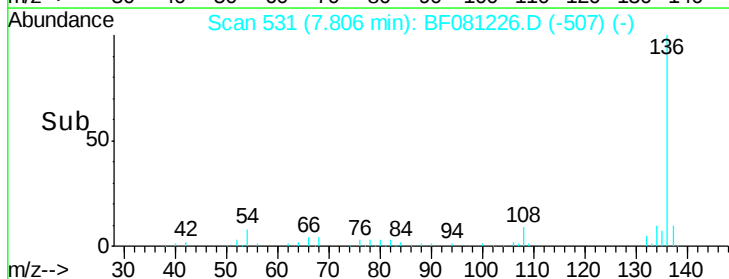
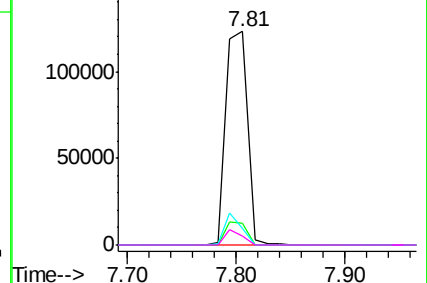


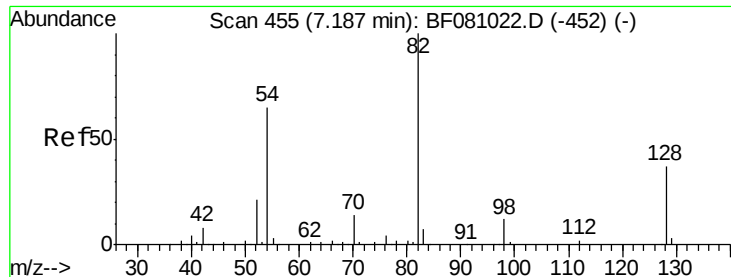
Abundance Ion 136.00 (135.70 to 136.70): E

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

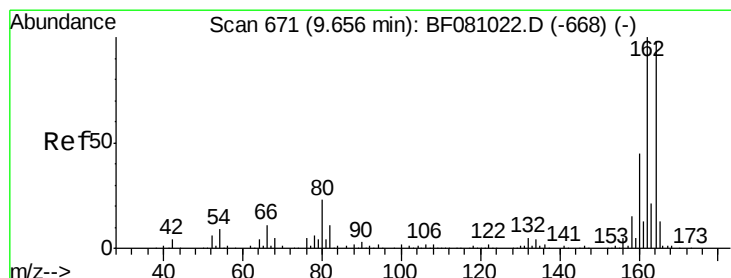
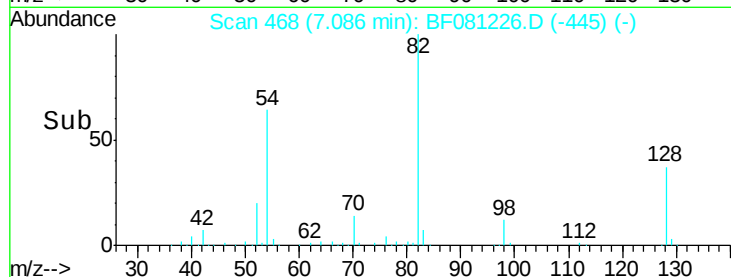
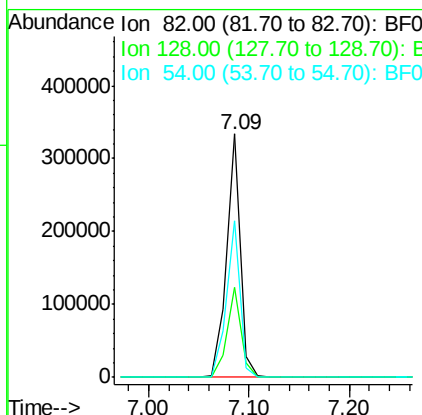
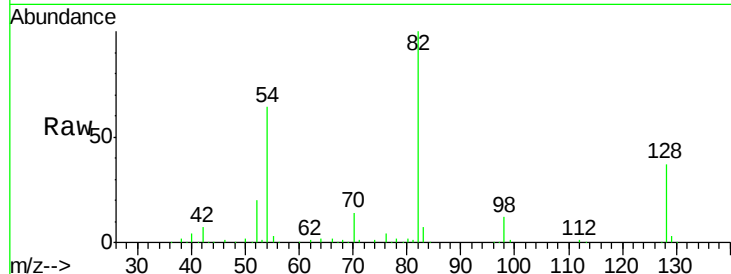




#23  
 Nitrobenzene-d5  
 Concen: 84.78 ng  
 RT: 7.09 min Scan# 468  
 Delta R.T. -0.04 min  
 Lab File: BF081226.D  
 Acq: 26 Aug 2015 22:19

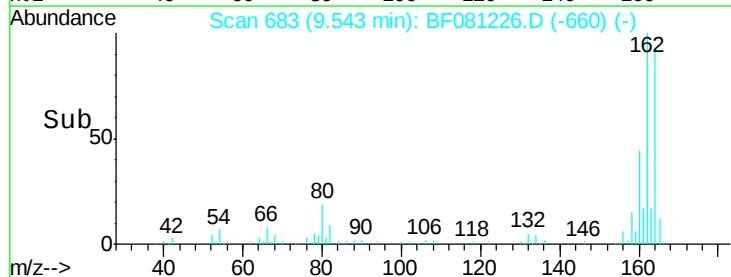
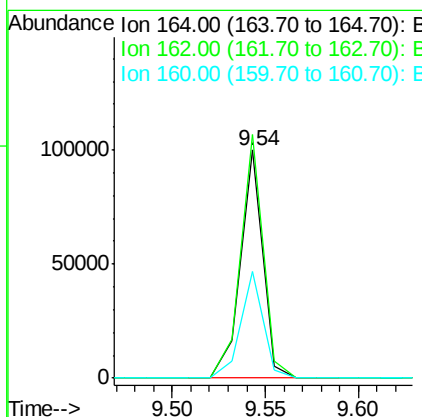
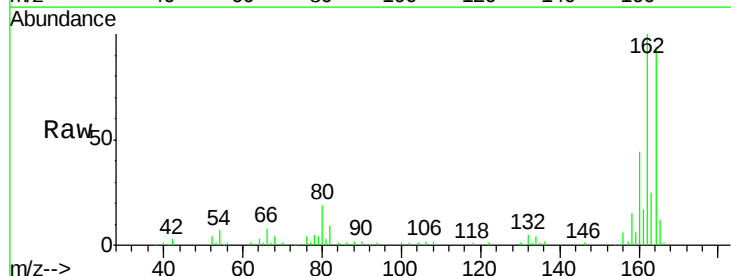
Instrument :  
 BNA\_F  
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 SES EFFLUENT CS-1

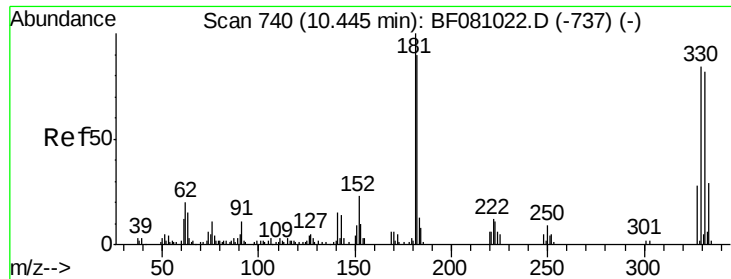
Tgt Ion: 82 Resp: 317072  
 Ion Ratio Lower Upper  
 82 100  
 128 36.7 28.6 42.8  
 54 64.2 55.1 82.7



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.54 min Scan# 683  
 Delta R.T. -0.04 min  
 Lab File: BF081226.D  
 Acq: 26 Aug 2015 22:19

Tgt Ion: 164 Resp: 83685  
 Ion Ratio Lower Upper  
 164 100  
 162 106.8 83.8 125.8  
 160 47.0 39.8 59.8

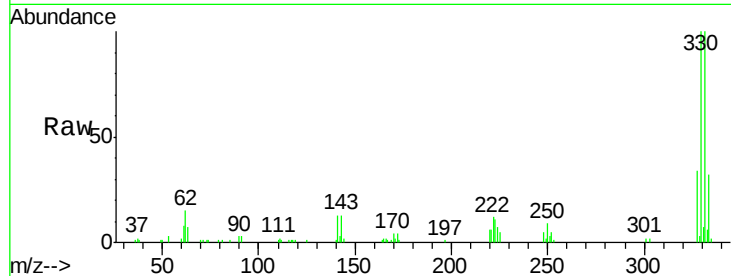




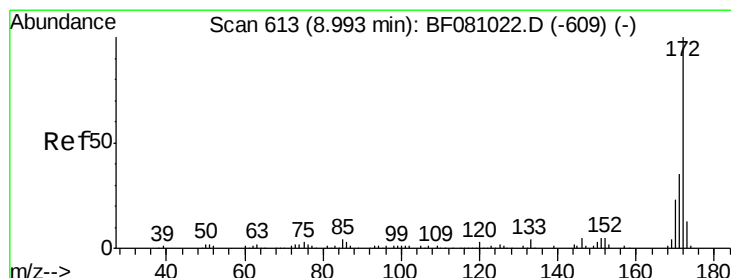
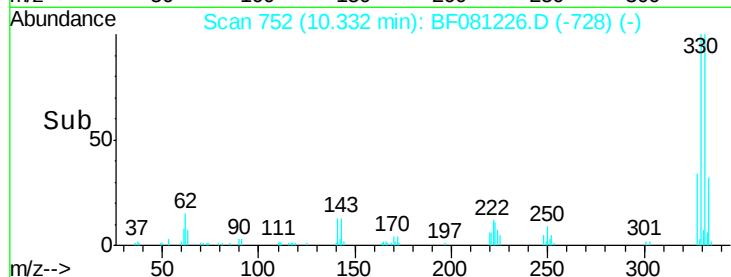
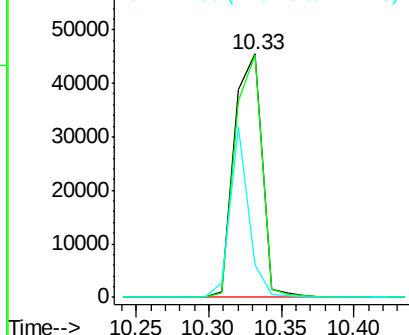
#41  
 2,4,6-Tribromophenol  
 Concen: 83.07 ng  
 RT: 10.33 min Scan# 752  
 Delta R.T. -0.02 min  
 Lab File: BF081226.D  
 Acq: 26 Aug 2015 22:19

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SES EFFLUENT CS-1

Tgt Ion:330 Resp: 60259  
 Ion Ratio Lower Upper  
 330 100  
 332 97.3 77.3 115.9  
 141 47.2 44.9 67.3

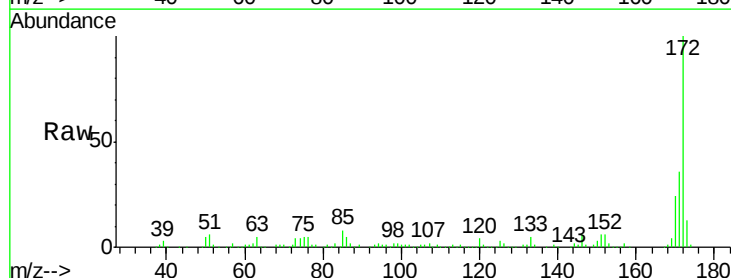


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

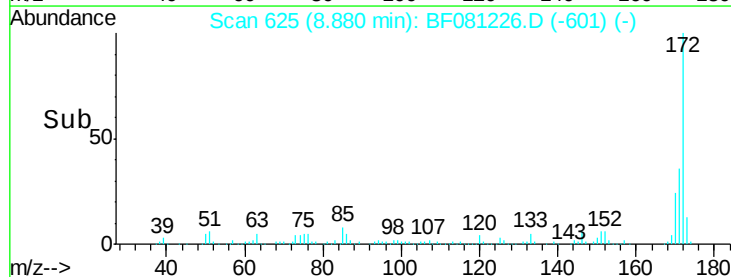
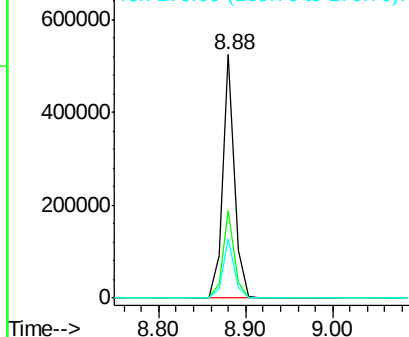


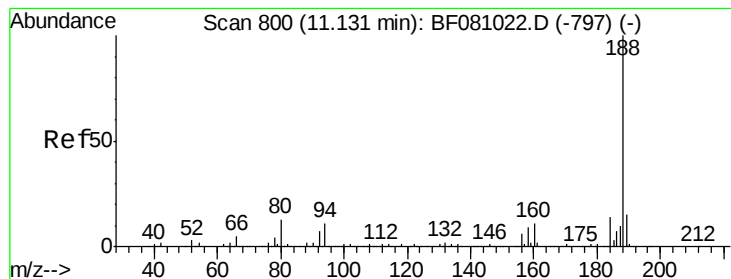
#44  
 2-Fluorobiphenyl  
 Concen: 78.27 ng  
 RT: 8.88 min Scan# 625  
 Delta R.T. -0.02 min  
 Lab File: BF081226.D  
 Acq: 26 Aug 2015 22:19

Tgt Ion:172 Resp: 499913  
 Ion Ratio Lower Upper  
 172 100  
 171 35.9 28.9 43.3  
 170 24.5 19.4 29.2



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





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.01 min Scan# 811

Delta R.T. -0.04 min

Lab File: BF081226.D

Acq: 26 Aug 2015 22:19

Instrument :

BNA\_F

ClientSampleId :

SES EFFLUENT CS-1

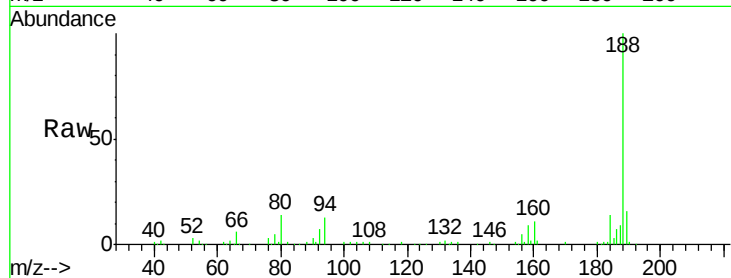
Tgt Ion:188 Resp: 158228

Ion Ratio Lower Upper

188 100

94 12.5 8.2 12.2#

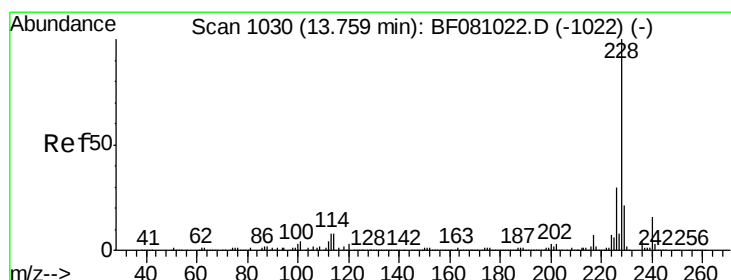
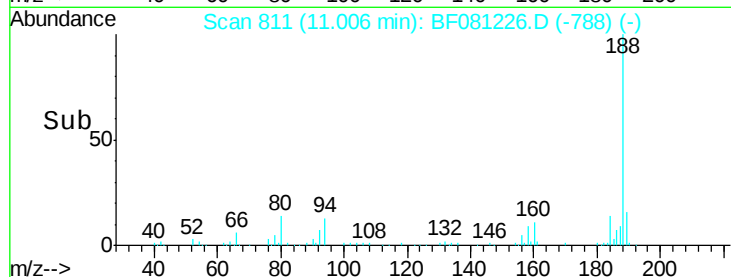
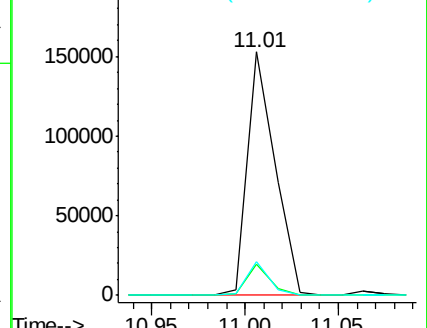
80 14.0 9.5 14.3



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



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.62 min Scan# 1040

Delta R.T. -0.04 min

Lab File: BF081226.D

Acq: 26 Aug 2015 22:19

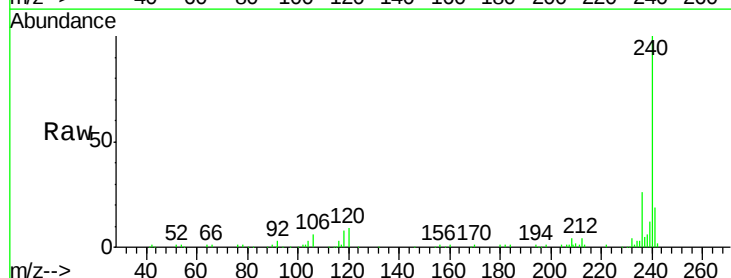
Tgt Ion:240 Resp: 146916

Ion Ratio Lower Upper

240 100

120 8.5 5.6 8.4#

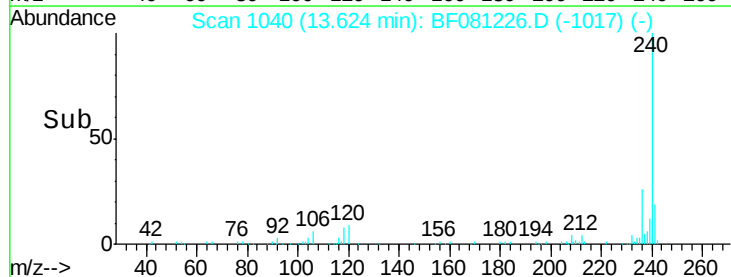
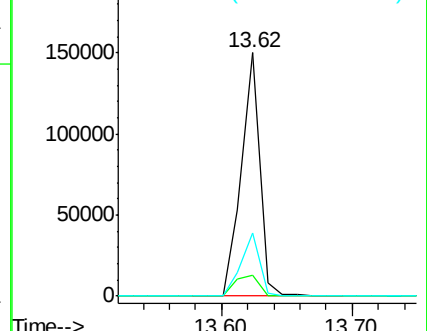
236 25.8 20.6 30.8

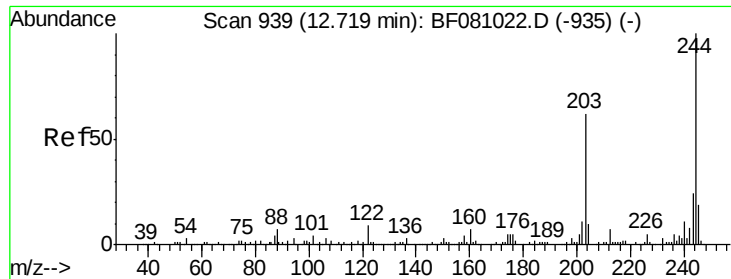


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

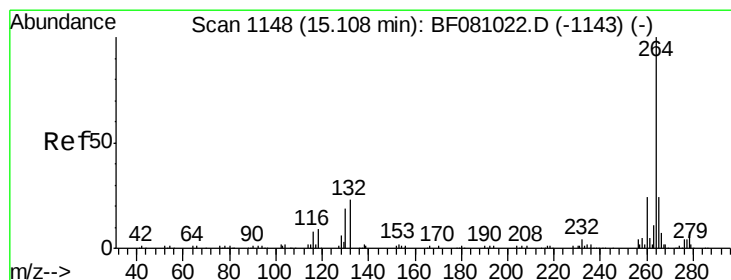
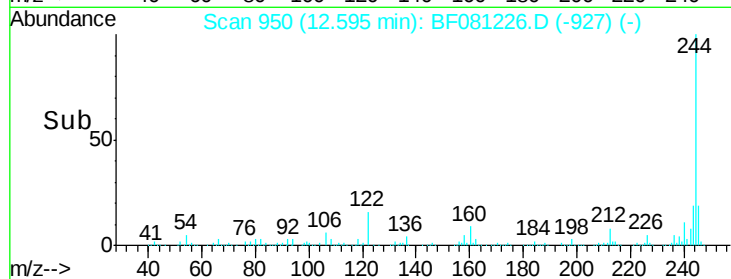
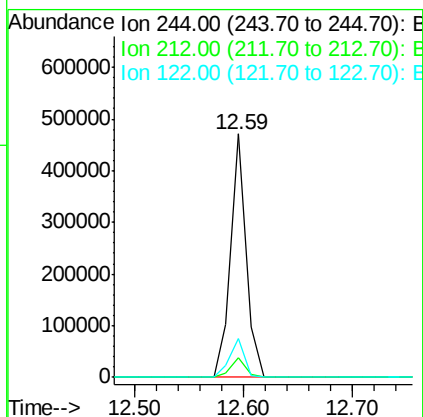
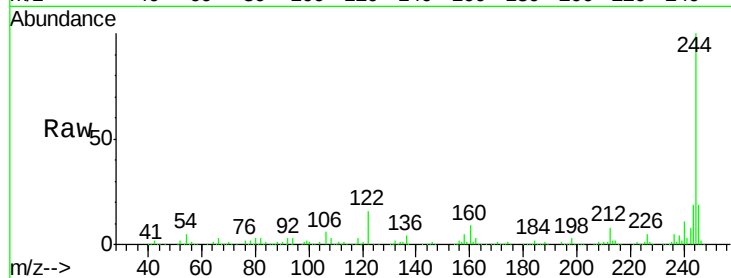




#78  
 Terphenyl-d14  
 Concen: 67.87 ng  
 RT: 12.59 min Scan# 950  
 Delta R.T. -0.04 min  
 Lab File: BF081226.D  
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Tgt Ion:244 Resp: 465116  
 Ion Ratio Lower Upper  
 244 100  
 212 8.0 5.8 8.8  
 122 15.7 8.2 12.4#



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 14.95 min Scan# 1156  
 Delta R.T. -0.04 min  
 Lab File: BF081226.D  
 Acq: 26 Aug 2015 22:19

Tgt Ion:264 Resp: 107031  
 Ion Ratio Lower Upper  
 264 100  
 260 24.1 19.6 29.4  
 265 20.6 17.5 26.3

