

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG062416\  
 Data File : BG022527.D  
 Acq On : 24 Jun 2016 6:14  
 Operator : UM/SJ  
 Sample : H3625-01  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SC-STA-1476(0-4)

Quant Time: Jun 24 07:18:08 2016  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG062416.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jun 24 04:19:57 2016  
 Response via : Initial Calibration

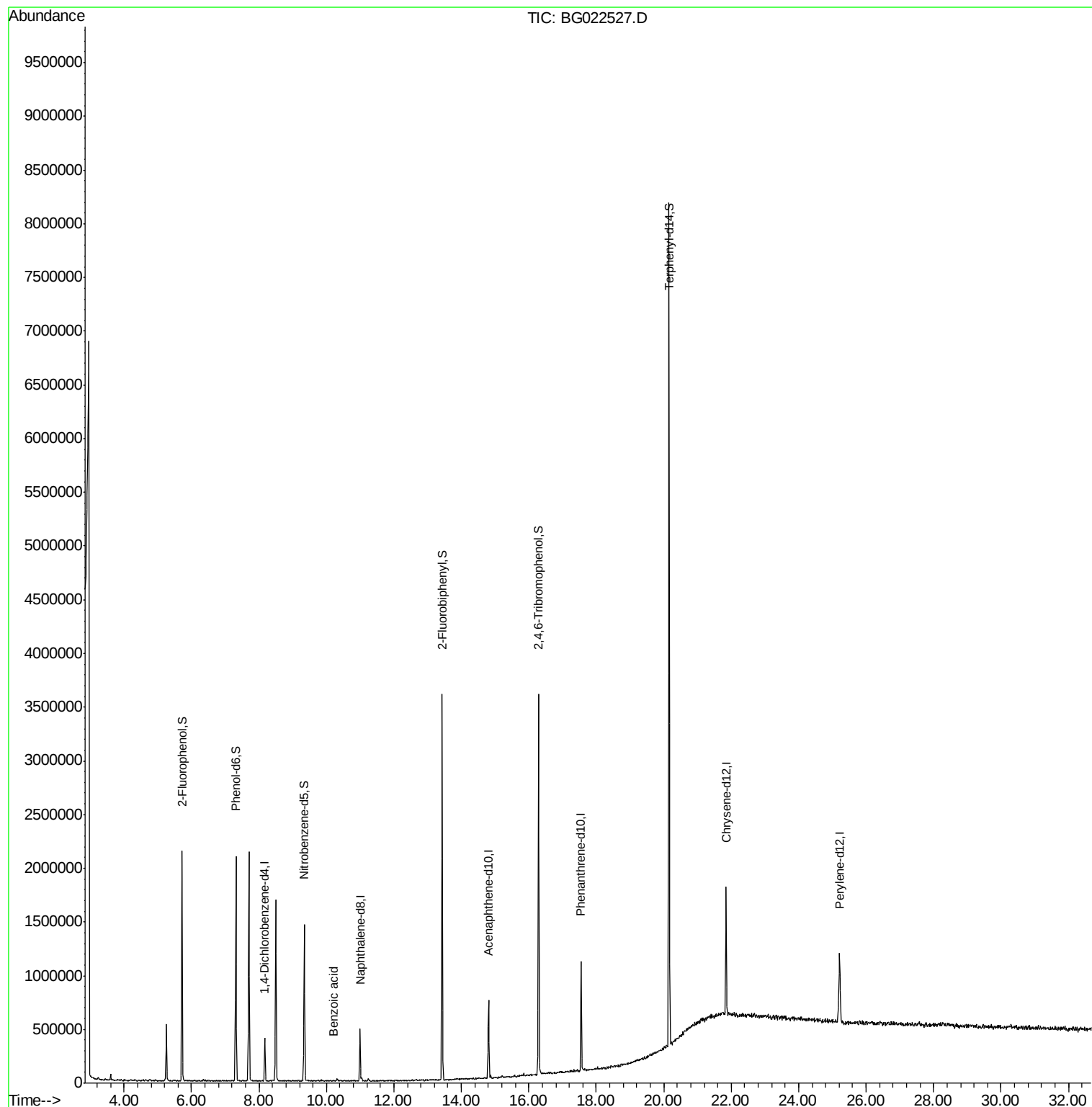
| Internal Standards             | R.T.  | QIon | Response | Conc      | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-----------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 8.17  | 152  | 95016    | 20.00     | ng    | 0.00     |
| 21) Naphthalene-d8             | 11.00 | 136  | 357701   | 20.00     | ng    | 0.00     |
| 38) Acenaphthene-d10           | 14.81 | 164  | 238793   | 20.00     | ng    | -0.01    |
| 63) Phenanthrene-d10           | 17.55 | 188  | 627134   | 20.00     | ng    | -0.02    |
| 75) Chrysene-d12               | 21.85 | 240  | 748324   | 20.00     | ng    | -0.01    |
| 86) Perylene-d12               | 25.21 | 264  | 722563   | 20.00     | ng    | -0.01    |
| System Monitoring Compounds    |       |      |          |           |       |          |
| 5) 2-Fluorophenol              | 5.72  | 112  | 774178   | 131.95    | ng    | 0.00     |
| 7) Phenol-d6                   | 7.32  | 99   | 1046165  | 127.36    | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 9.34  | 82   | 865385   | 103.58    | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol       | 16.29 | 330  | 626732   | 169.12    | ng    | -0.01    |
| 44) 2-Fluorobiphenyl           | 13.43 | 172  | 1666435  | 106.52    | ng    | -0.01    |
| 78) Terphenyl-d14              | 20.16 | 244  | 2773027  | 120.48    | ng    | 0.00     |
| Target Compounds               |       |      |          |           |       |          |
| 32) Benzoic acid               | 10.21 | 122  | 168      | 3.91      | ng    | # 4      |
| 53) 2,4-Dinitrophenol          | 14.99 | 184  | 71       | Below Cal | #     | 10       |
| 64) 4,6-Dinitro-2-methylphenol | 15.90 | 198  | 113      | Below Cal | #     | 61       |
| 73) Di-n-butylphthalate        | 18.50 | 149  | 3317     | Below Cal | #     | 70       |
| 74) Fluoranthene               | 19.59 | 202  | 3023     | Below Cal | #     | 51       |

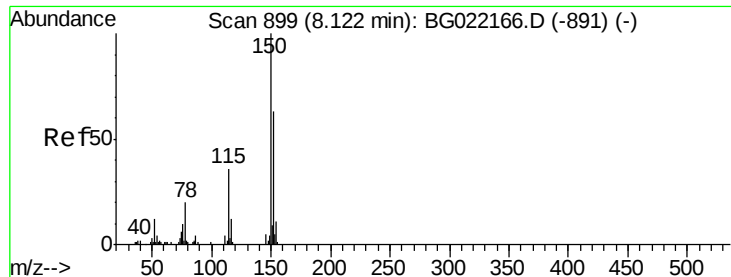
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG062416\  
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Misc :  
ALS Vial : 15 Sample Multiplier: 1

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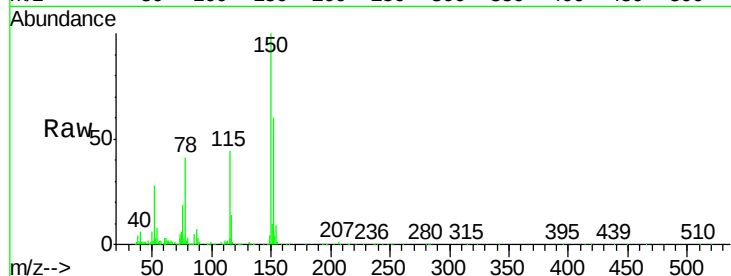


#1

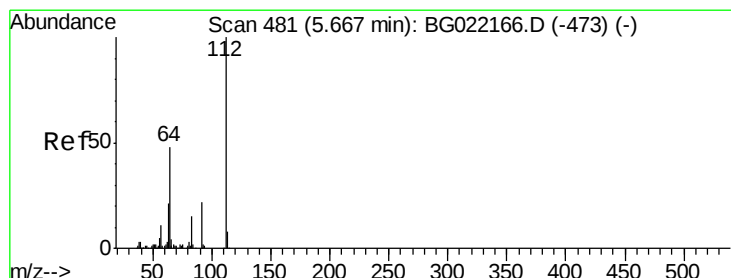
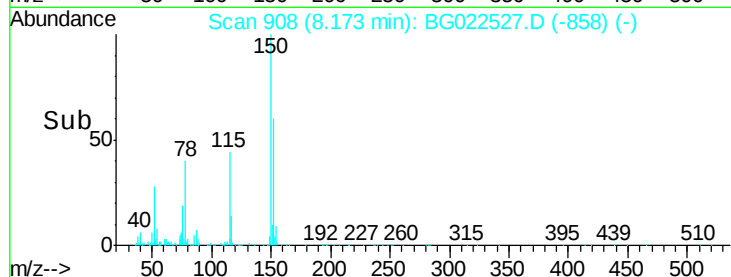
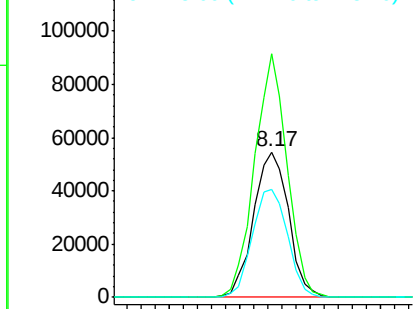
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 8.17 min Scan# 908  
Delta R.T. -0.01 min  
Lab File: BG022527.D  
Acq: 24 Jun 2016 6:14

Instrument :  
BNA\_G  
ClientSampleId :  
SC-STA-1476(0-4)

Tgt Ion:152 Resp: 95016  
Ion Ratio Lower Upper  
152 100  
150 167.4 144.7 217.1  
115 74.0 64.0 96.0



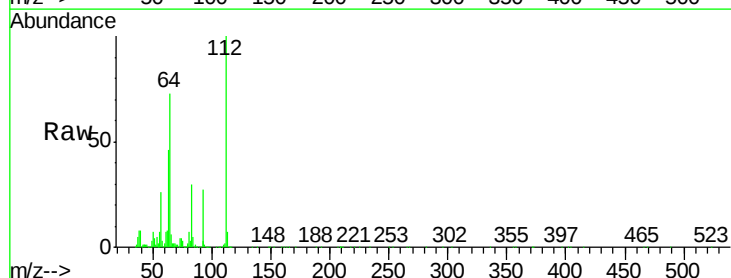
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



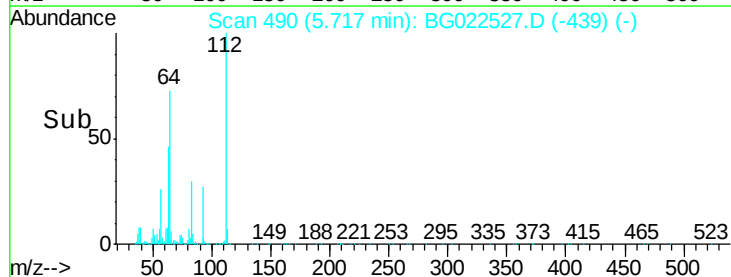
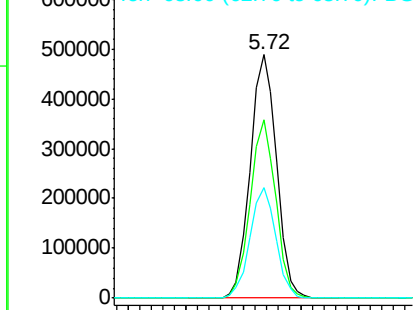
#5

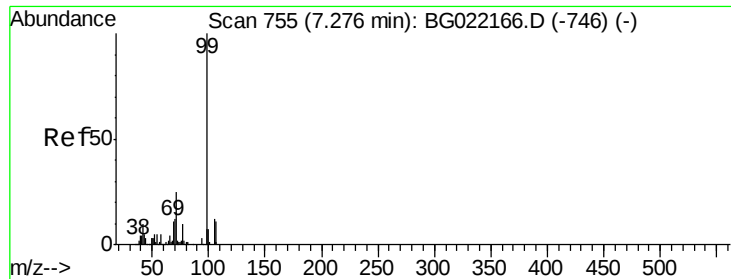
2-Fluorophenol  
Concen: 131.95 ng  
RT: 5.72 min Scan# 490  
Delta R.T. -0.00 min  
Lab File: BG022527.D  
Acq: 24 Jun 2016 6:14

Tgt Ion:112 Resp: 774178  
Ion Ratio Lower Upper  
112 100  
64 73.1 59.0 88.4  
63 45.6 37.8 56.8



Abundance Ion 112.00 (111.70 to 112.70): E  
Ion 64.00 (63.70 to 64.70): BG  
Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 127.36 ng

RT: 7.32 min Scan# 762

Delta R.T. -0.00 min

Lab File: BG022527.D

Acq: 24 Jun 2016 6:14

Instrument :

BNA\_G

ClientSampleId :

SC-STA-1476(0-4)

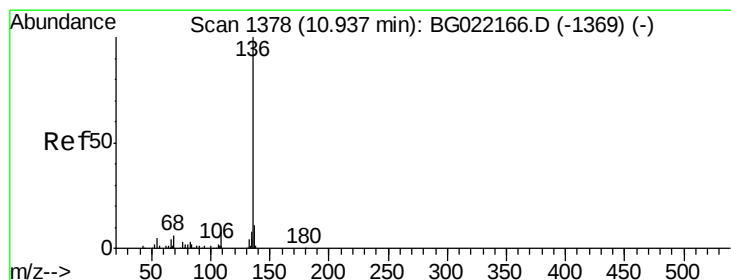
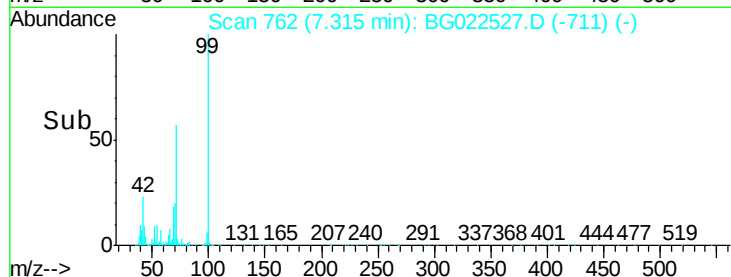
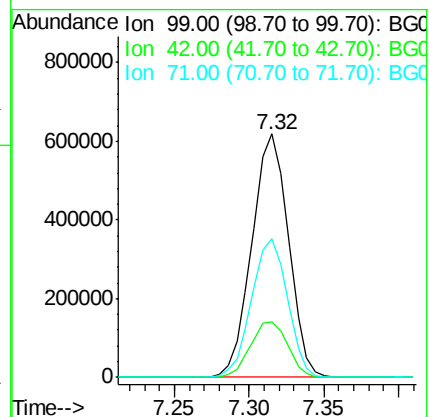
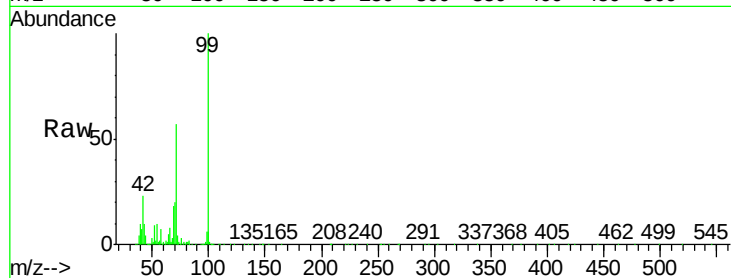
Tgt Ion: 99 Resp: 1046165

Ion Ratio Lower Upper

99 100

42 22.9 17.8 26.6

71 57.0 41.5 62.3



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 11.00 min Scan# 1389

Delta R.T. -0.01 min

Lab File: BG022527.D

Acq: 24 Jun 2016 6:14

Tgt Ion: 136 Resp: 357701

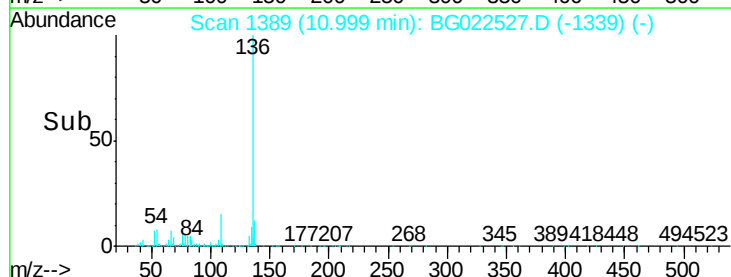
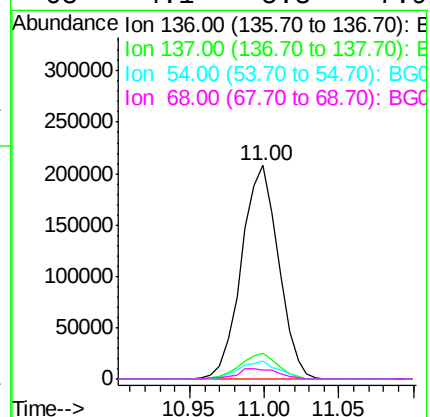
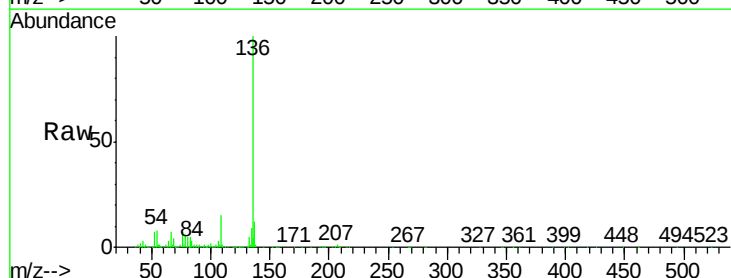
Ion Ratio Lower Upper

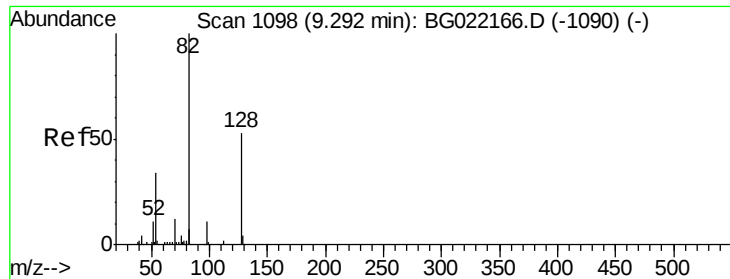
136 100

137 11.9 9.6 14.4

54 8.3 7.3 10.9

68 4.1 5.3 7.9#

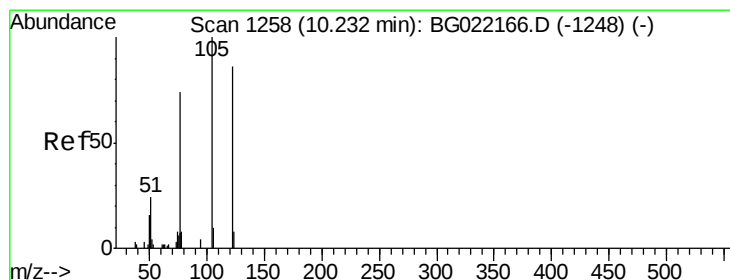
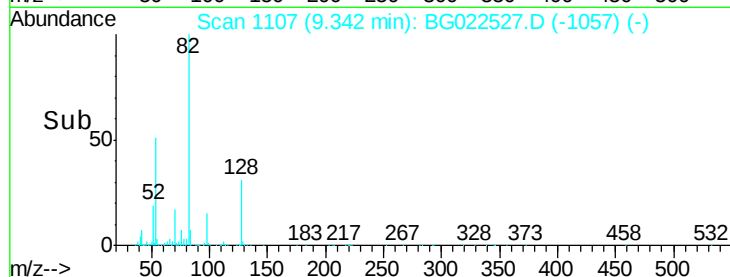
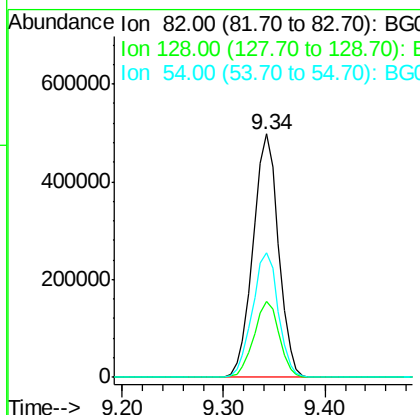
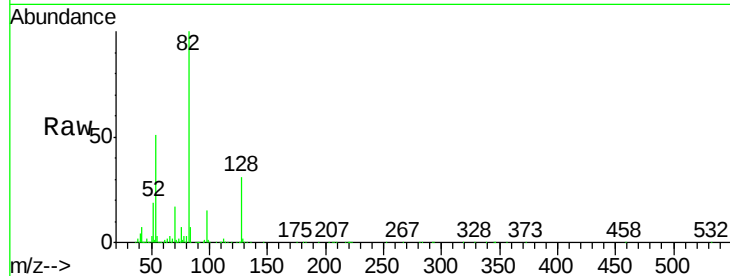




#23  
 Nitrobenzene-d5  
 Concen: 103.58 ng  
 RT: 9.34 min Scan# 1107  
 Delta R.T. -0.01 min  
 Lab File: BG022527.D  
 Acq: 24 Jun 2016 6:14

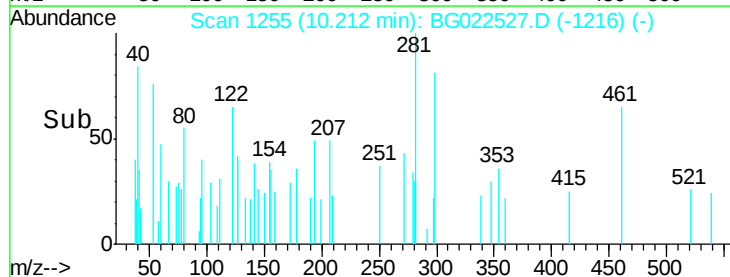
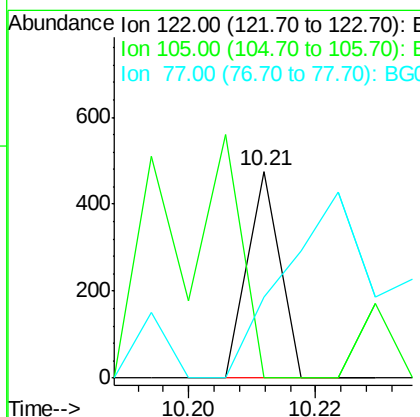
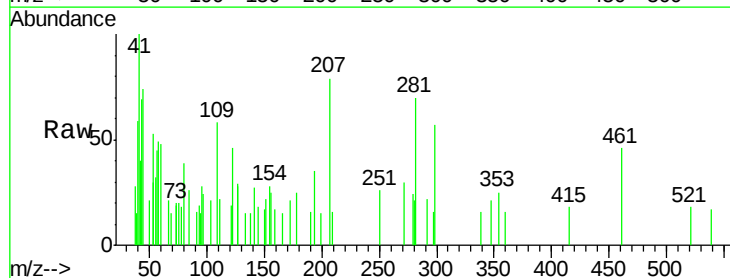
Instrument :  
 BNA\_G  
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 SC-STA-1476(0-4)

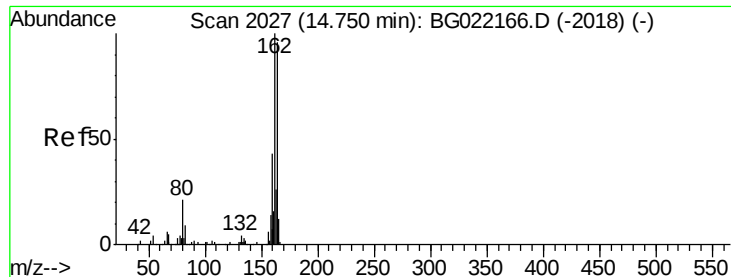
Tgt Ion: 82 Resp: 865385  
 Ion Ratio Lower Upper  
 82 100  
 128 31.4 24.4 36.6  
 54 51.0 41.4 62.0



#32  
 Benzoic acid  
 Concen: 3.91 ng  
 RT: 10.21 min Scan# 1255  
 Delta R.T. -0.07 min  
 Lab File: BG022527.D  
 Acq: 24 Jun 2016 6:14

Tgt Ion: 122 Resp: 168  
 Ion Ratio Lower Upper  
 122 100  
 105 0.0 117.2 157.2#  
 77 39.1 109.2 149.2#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.81 min Scan# 2037

Delta R.T. -0.01 min

Lab File: BG022527.D

Acq: 24 Jun 2016 6:14

Instrument :

BNA\_G

ClientSampleId :

SC-STA-1476(0-4)

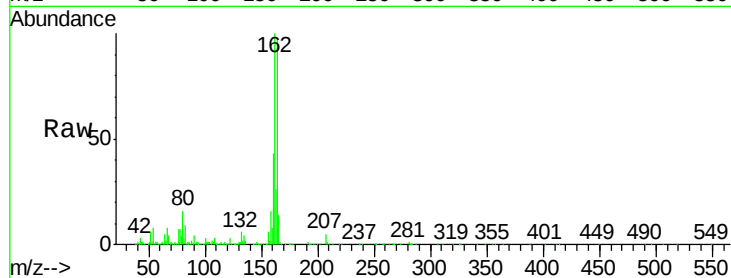
Tgt Ion:164 Resp: 238793

Ion Ratio Lower Upper

164 100

162 103.0 87.7 131.5

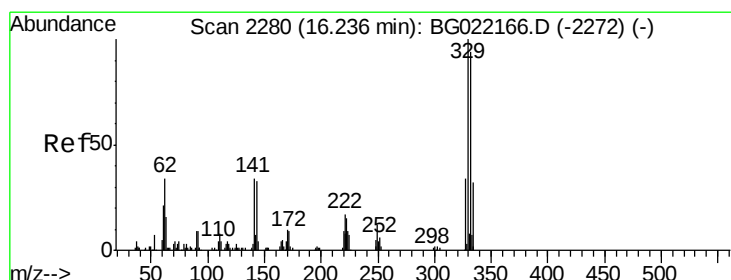
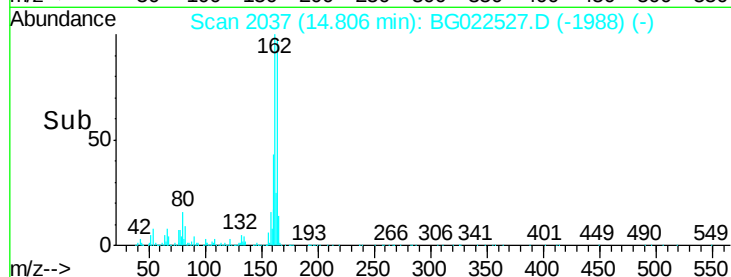
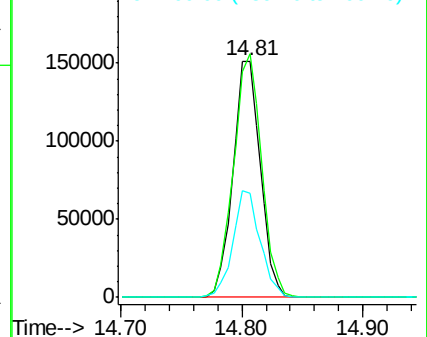
160 44.1 37.2 55.8



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: 169.12 ng

RT: 16.29 min Scan# 2290

Delta R.T. -0.01 min

Lab File: BG022527.D

Acq: 24 Jun 2016 6:14

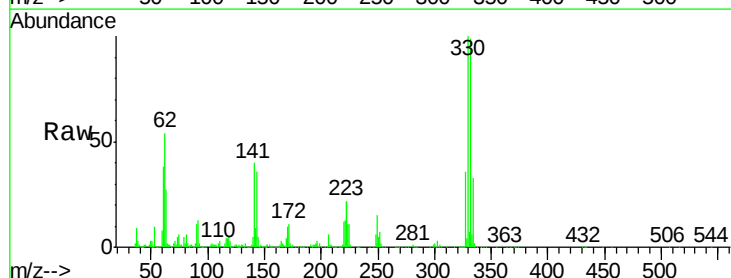
Tgt Ion:330 Resp: 626732

Ion Ratio Lower Upper

330 100

332 97.4 77.4 116.2

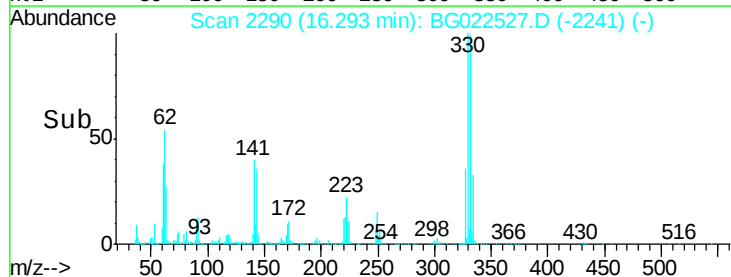
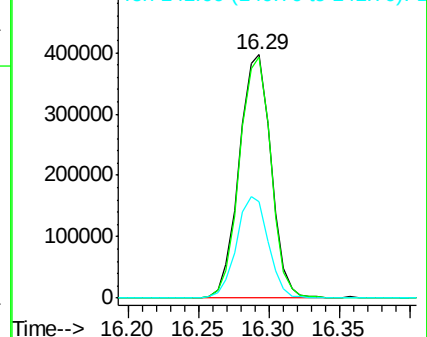
141 41.6 31.7 47.5

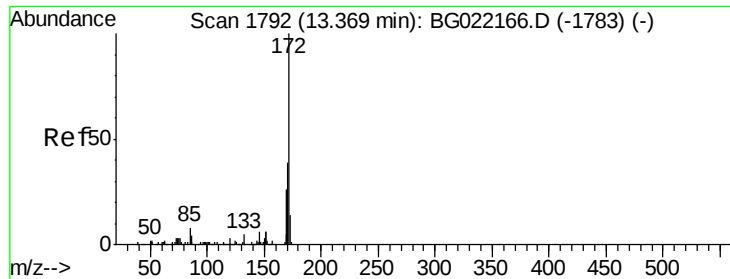


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

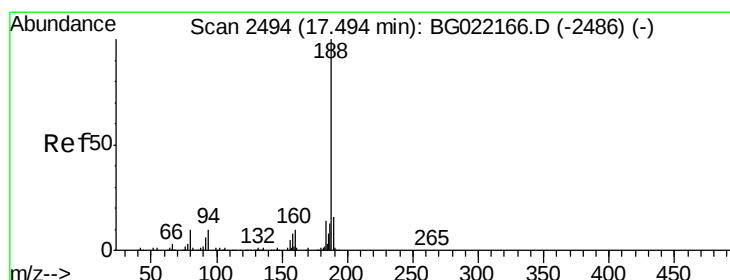
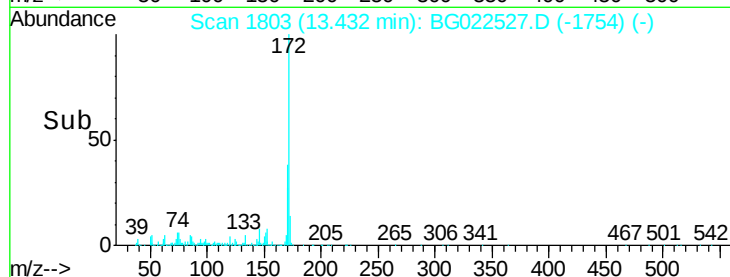
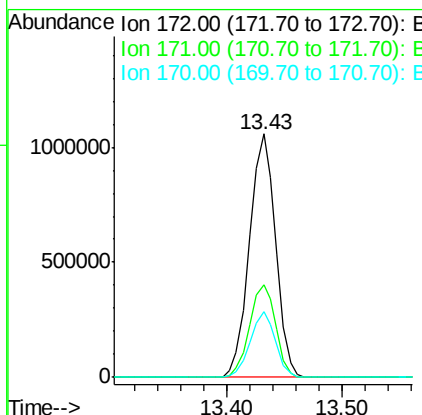
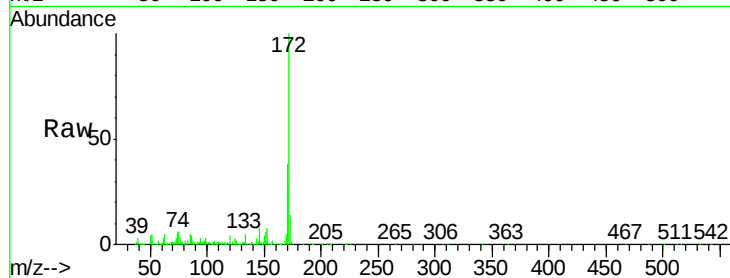




#44  
2-Fluorobiphenyl  
Concen: 106.52 ng  
RT: 13.43 min Scan# 1803  
Delta R.T. -0.01 min  
Lab File: BG022527.D  
Acq: 24 Jun 2016 6:14

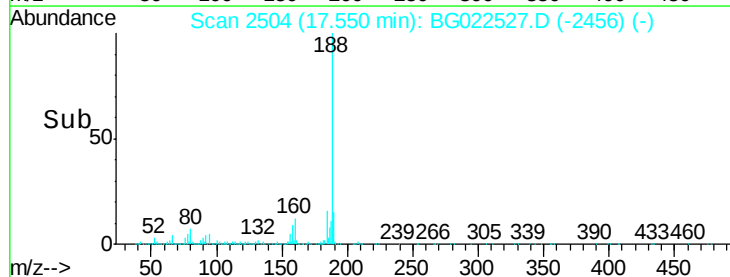
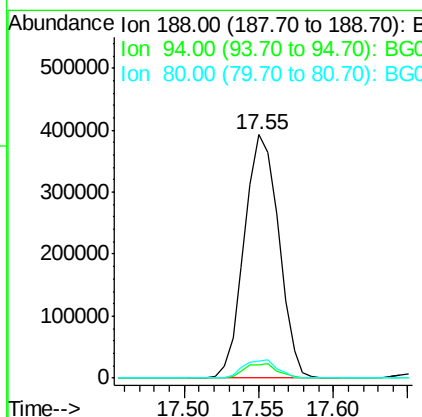
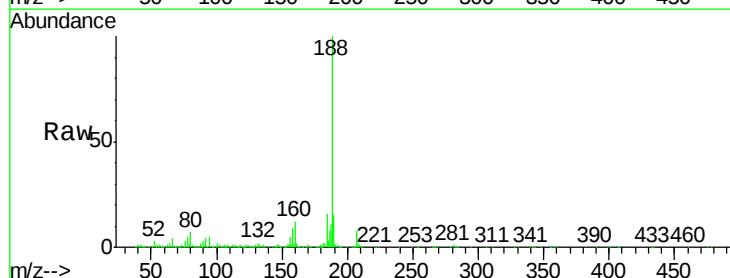
Instrument :  
BNA\_G  
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SC-STA-1476(0-4)

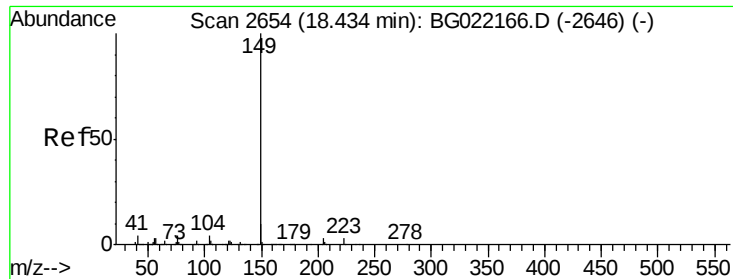
Tgt Ion:172 Resp: 1666435  
Ion Ratio Lower Upper  
172 100  
171 38.2 31.6 47.4  
170 27.1 21.3 31.9



#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.55 min Scan# 2504  
Delta R.T. -0.02 min  
Lab File: BG022527.D  
Acq: 24 Jun 2016 6:14

Tgt Ion:188 Resp: 627134  
Ion Ratio Lower Upper  
188 100  
94 5.4 5.2 7.8  
80 7.2 7.2 10.8





#73

Di-n-butylphthalate

Concen: Below Cal

RT: 18.50 min Scan# 2666

Delta R.T. -0.02 min

Lab File: BG022527.D

Acq: 24 Jun 2016 6:14

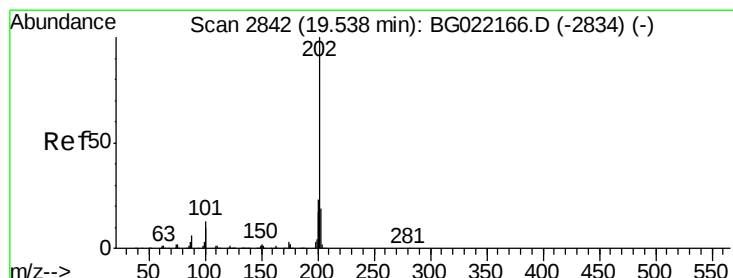
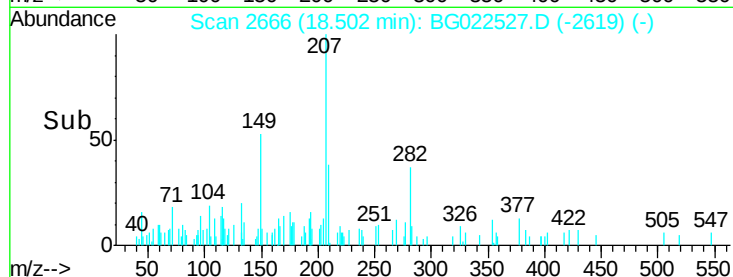
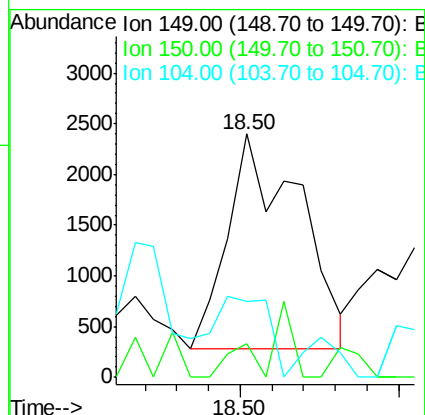
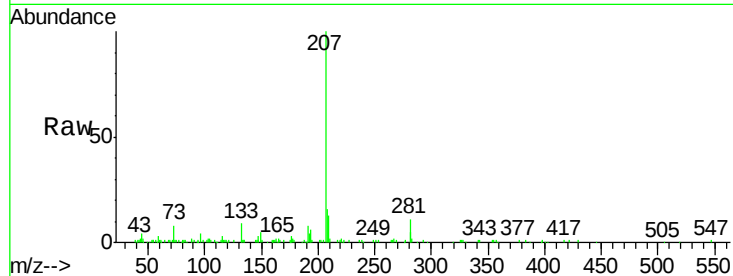
Instrument :

BNA\_G

ClientSampleId :

SC-STA-1476(0-4)

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 149   | Resp: | 3317  |
| Ion      | Ratio | Lower | Upper |
| 149      | 100   |       |       |
| 150      | 13.7  | 9.1   | 13.7  |
| 104      | 30.9  | 6.9   | 10.3# |



#74

Fluoranthene

Concen: Below Cal

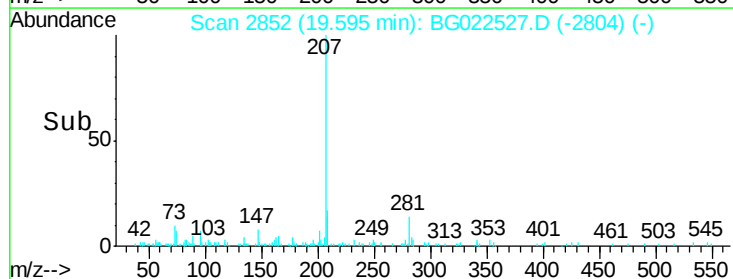
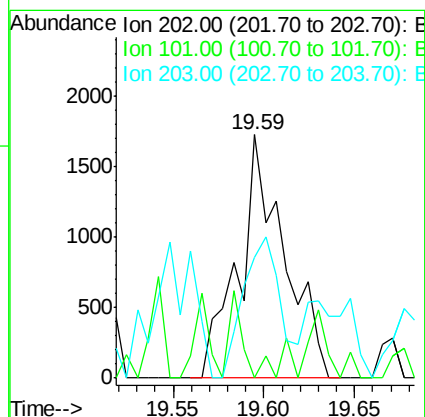
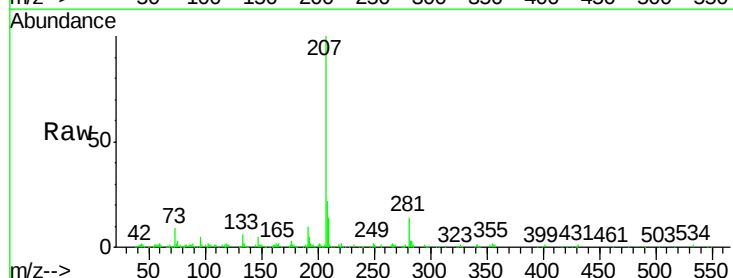
RT: 19.59 min Scan# 2852

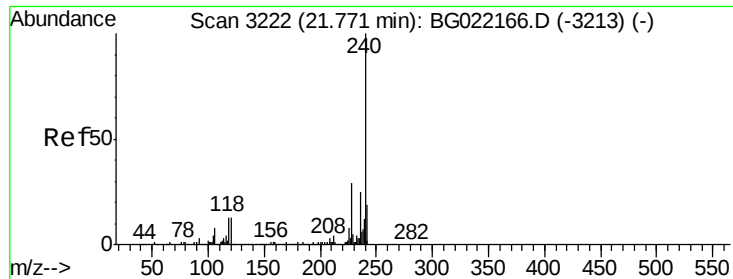
Delta R.T. -0.02 min

Lab File: BG022527.D

Acq: 24 Jun 2016 6:14

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 202   | Resp: | 3023  |
| Ion      | Ratio | Lower | Upper |
| 202      | 100   |       |       |
| 101      | 0.0   | 0.0   | 27.4  |
| 203      | 49.5  | 1.7   | 41.7# |





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.85 min Scan# 3236

Delta R.T. -0.01 min

Lab File: BG022527.D

Acq: 24 Jun 2016 6:14

Instrument :

BNA\_G

ClientSampleId :

SC-STA-1476(0-4)

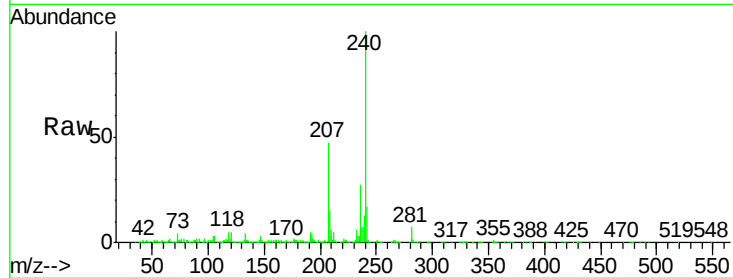
Tgt Ion:240 Resp: 748324

Ion Ratio Lower Upper

240 100

120 4.8 4.1 6.1

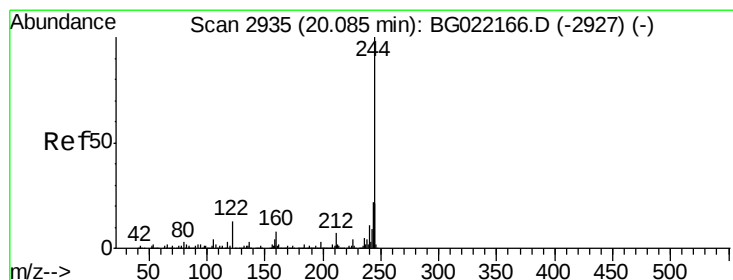
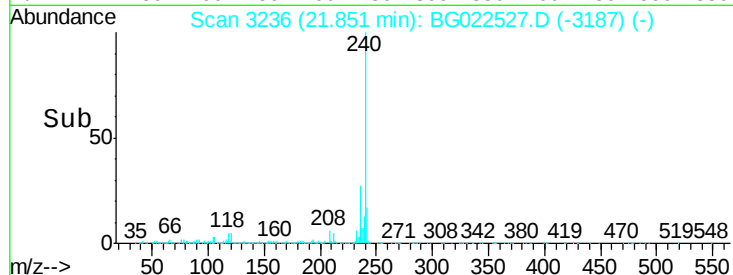
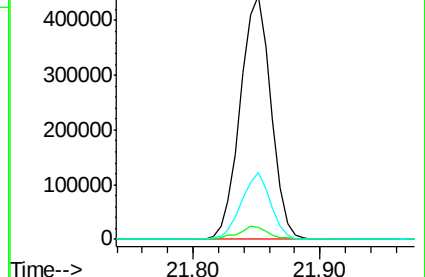
236 27.3 21.1 31.7



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: 120.48 ng

RT: 20.16 min Scan# 2948

Delta R.T. -0.01 min

Lab File: BG022527.D

Acq: 24 Jun 2016 6:14

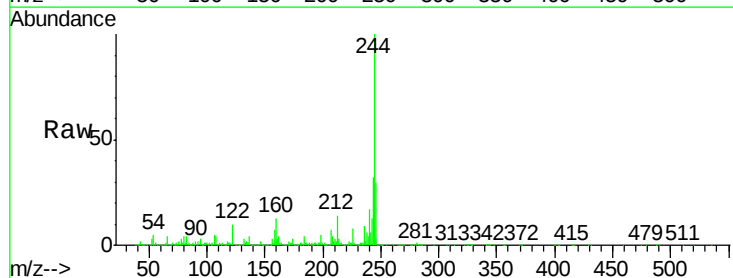
Tgt Ion:244 Resp: 2773027

Ion Ratio Lower Upper

244 100

212 14.2 10.8 16.2

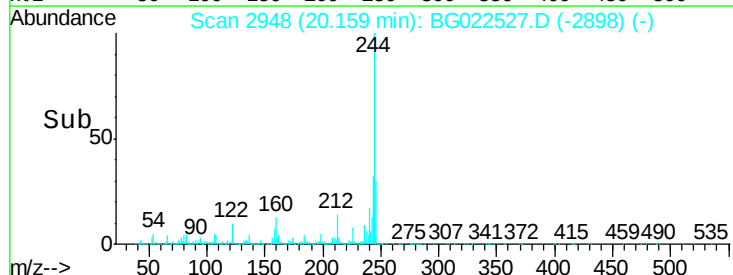
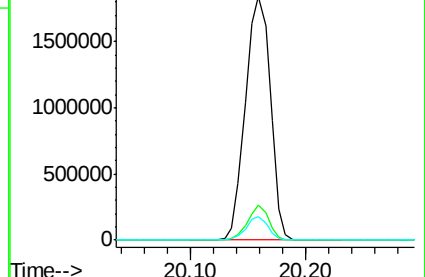
122 9.7 8.0 12.0

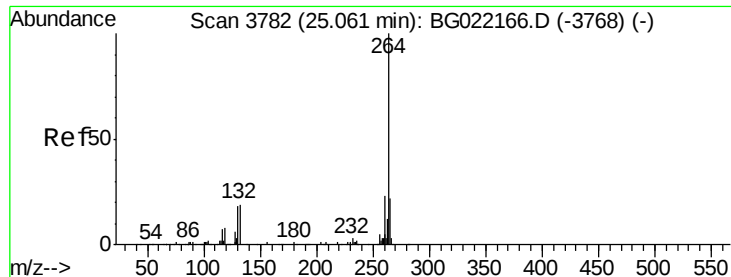


Abundance Ion 244.00 (243.70 to 244.70): E

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: 25.21 min Scan# 3808

Delta R.T. -0.01 min

Lab File: BG022527.D

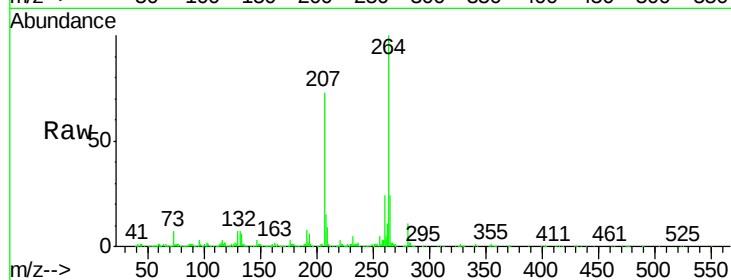
Acq: 24 Jun 2016 6:14

Instrument :

BNA\_G

ClientSampleId :

SC-STA-1476(0-4)



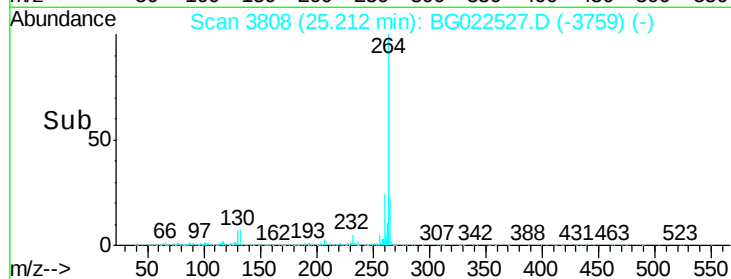
Tgt Ion: 264 Resp: 722563

Ion Ratio Lower Upper

264 100

260 23.8 18.4 27.6

265 23.9 18.9 28.3



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

