

Data Path : Z:\HPCHEM1\BNA G\DATA\BG062316\  
 Data File : BG022505.D  
 Acq On : 23 Jun 2016 5:09  
 Operator : UM/SJ  
 Sample : H3623-01  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SC-STA-1442(0-4)

Quant Time: Jun 23 07:43:52 2016  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG060616.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jun 22 01:27:56 2016  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.96  | 152  | 30944    | 20.00  | ng    | -0.03    |
| 21) Naphthalene-d8          | 10.79 | 136  | 160747   | 20.00  | ng    | -0.02    |
| 38) Acenaphthene-d10        | 14.62 | 164  | 102177   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10        | 17.36 | 188  | 204194   | 20.00  | ng    | -0.02    |
| 75) Chrysene-d12            | 21.62 | 240  | 120118   | 20.00  | ng    | -0.02    |
| 86) Perylene-d12            | 24.80 | 264  | 109212   | 20.00  | ng    | -0.04    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.52  | 112  | 294592   | 184.07 | ng    | -0.03    |
| 7) Phenol-d6                | 7.15  | 99   | 410093   | 162.97 | ng    | -0.03    |
| 23) Nitrobenzene-d5         | 9.14  | 82   | 245069   | 106.29 | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol    | 16.11 | 330  | 147645   | 127.88 | ng    | -0.02    |
| 44) 2-Fluorobiphenyl        | 13.24 | 172  | 682933   | 101.86 | ng    | -0.01    |
| 78) Terphenyl-d14           | 19.96 | 244  | 685816   | 135.55 | ng    | -0.01    |

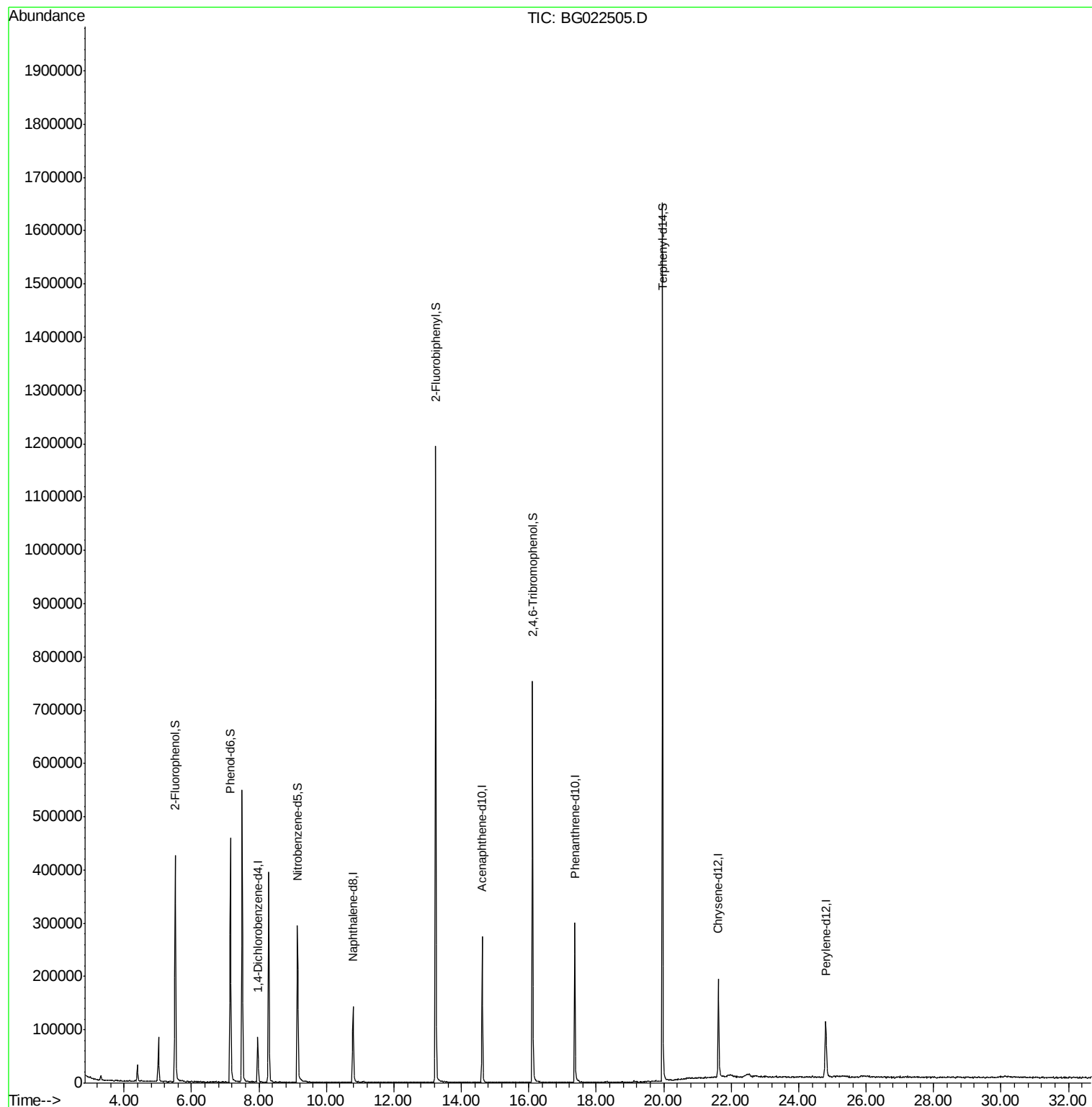
Target Compounds Qvalue

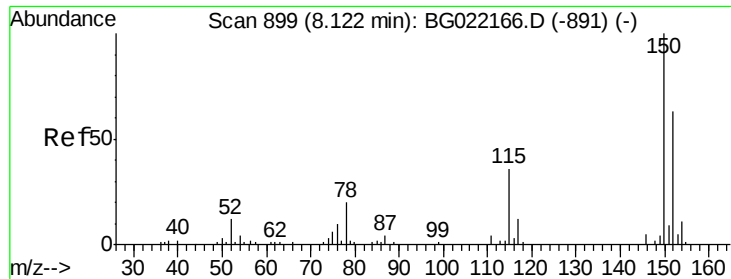
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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SC-STA-1442(0-4)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Jun 22 01:27:56 2016  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.96 min Scan# 872

Delta R.T. -0.03 min

Lab File: BG022505.D

Acq: 23 Jun 2016 5:09

Instrument :

BNA\_G

ClientSampleId :

SC-STA-1442(0-4)

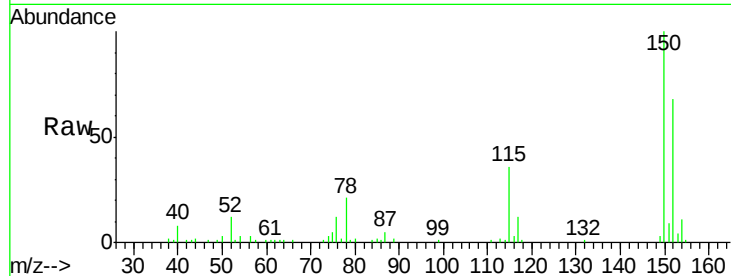
Tot Ion:152 Resp: 30944

Ion Ratio Lower Upper

152 100

150 146.3 130.1 195.1

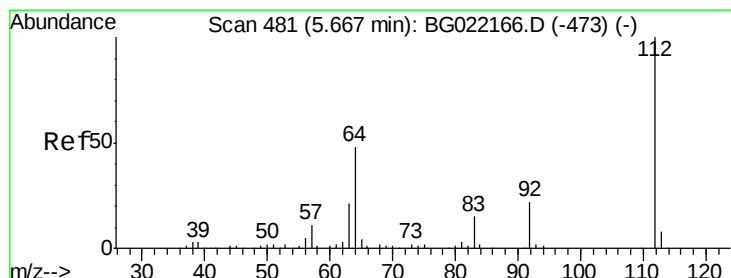
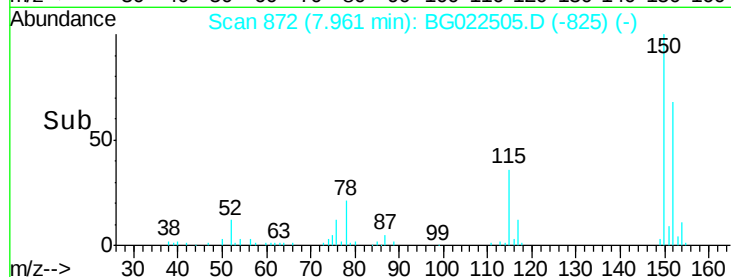
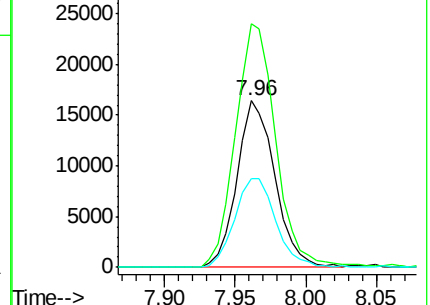
115 53.3 62.2 93.2#



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: 184.07 ng

RT: 5.52 min Scan# 456

Delta R.T. -0.03 min

Lab File: BG022505.D

Acq: 23 Jun 2016 5:09

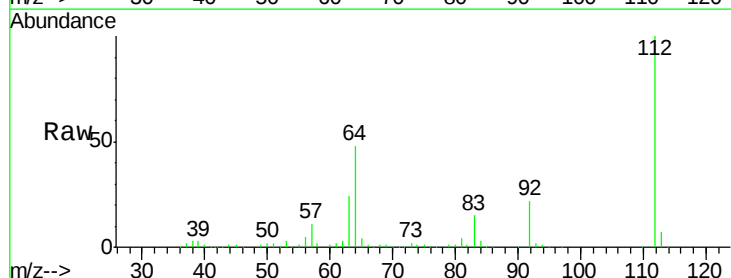
Tgt Ion:112 Resp: 294592

Ion Ratio Lower Upper

112 100

64 47.9 51.1 76.7#

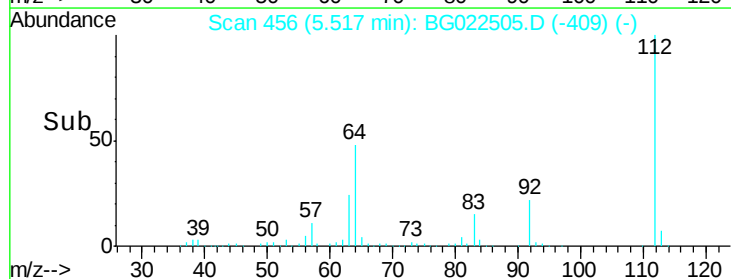
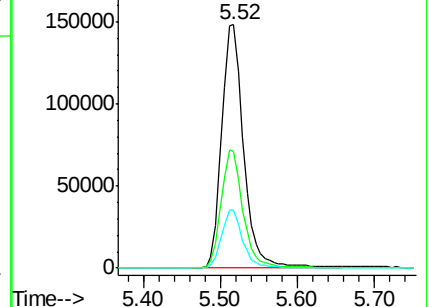
63 23.6 24.6 37.0#

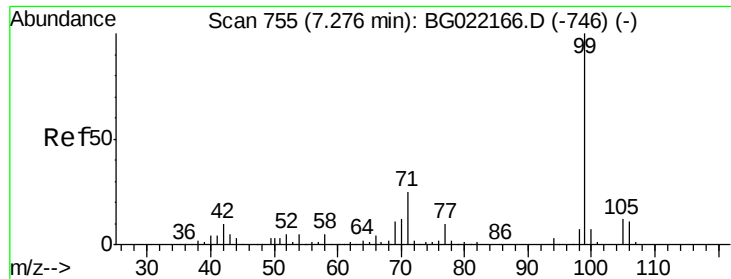


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 162.97 ng

RT: 7.15 min Scan# 734

Delta R.T. -0.03 min

Lab File: BG022505.D

Acq: 23 Jun 2016 5:09

Instrument :

BNA\_G

ClientSampleId :

SC-STA-1442(0-4)

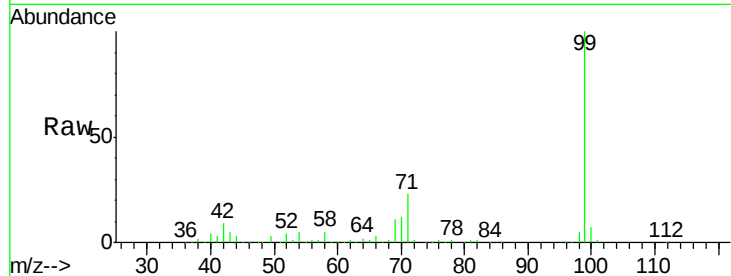
Tot Ion: 99 Resp: 410093

Ion Ratio Lower Upper

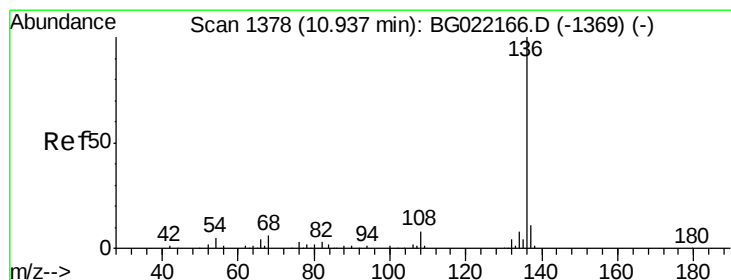
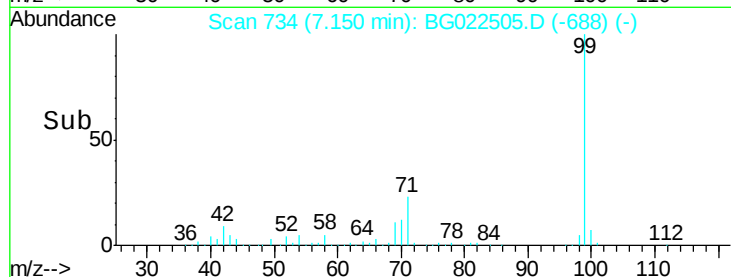
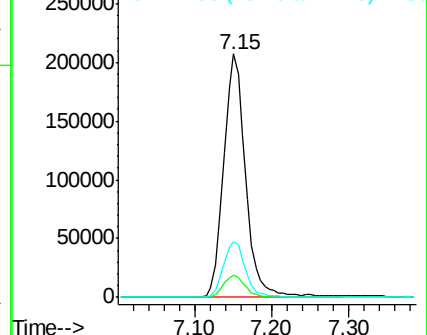
99 100

42 9.3 16.4 24.6#

71 23.0 25.0 37.4#



Abundance Ion 99.00 (98.70 to 99.70): BGC  
Ion 42.00 (41.70 to 42.70): BGC  
Ion 71.00 (70.70 to 71.70): BGC



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.79 min Scan# 1353

Delta R.T. -0.02 min

Lab File: BG022505.D

Acq: 23 Jun 2016 5:09

Tgt Ion: 136 Resp: 160747

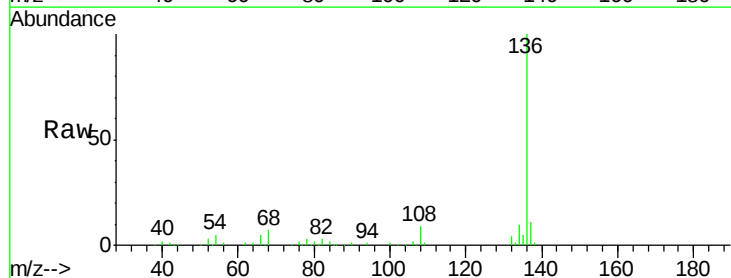
Ion Ratio Lower Upper

136 100

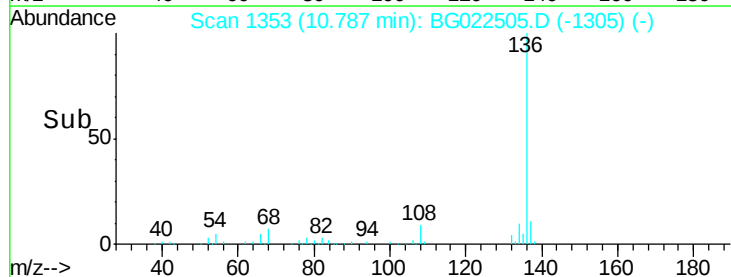
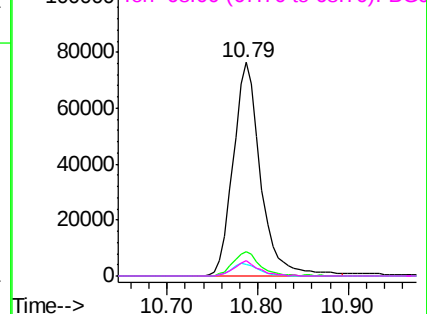
137 11.2 9.0 13.4

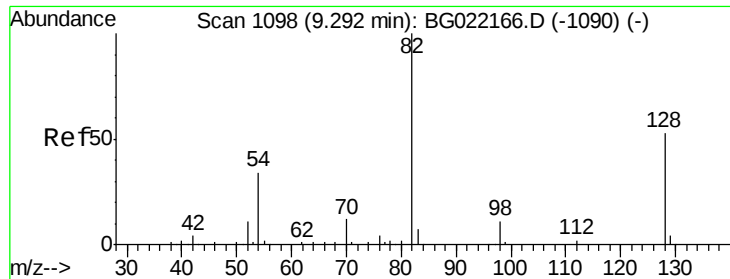
54 5.2 9.6 14.4#

68 6.9 6.4 9.6



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

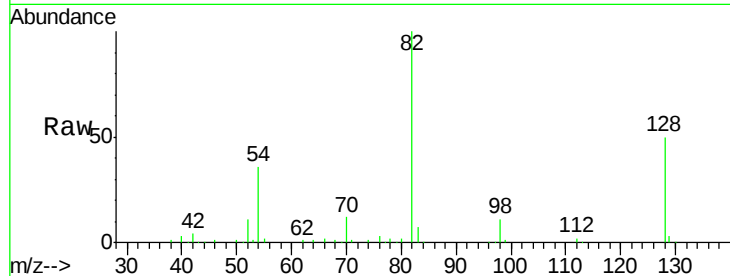




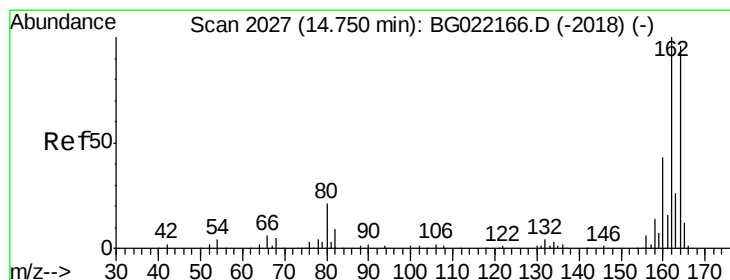
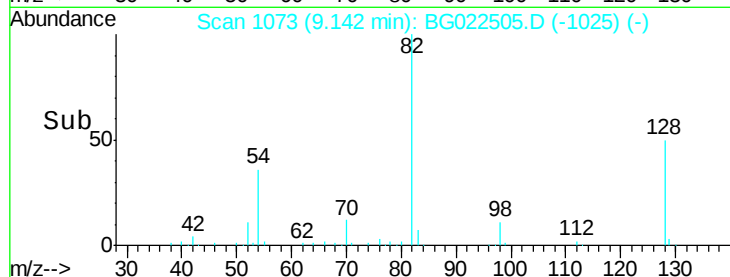
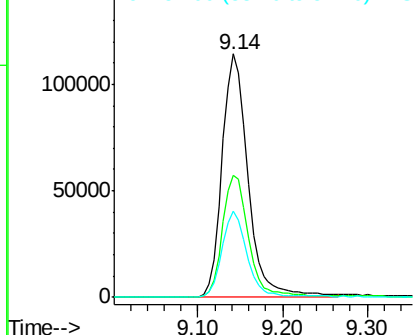
#23  
 Nitrobenzene-d5  
 Concen: 106.29 ng  
 RT: 9.14 min Scan# 1073  
 Delta R.T. -0.02 min  
 Lab File: BG022505.D  
 Acq: 23 Jun 2016 5:09

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SC-STA-1442(0-4)

Tot Ion: 82 Resp: 245069  
 Ion Ratio Lower Upper  
 82 100  
 128 50.1 33.4 50.0#  
 54 35.5 46.1 69.1#

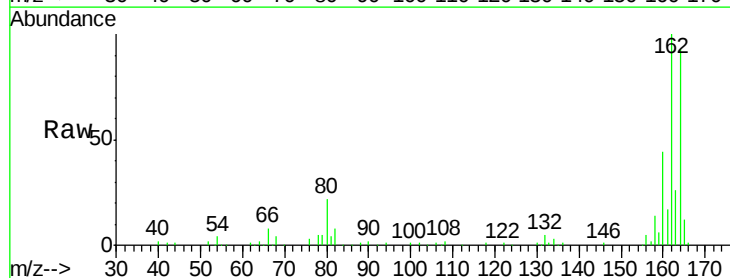


Abundance Ion 82.00 (81.70 to 82.70): BGC  
 Ion 128.00 (127.70 to 128.70): BGC  
 Ion 54.00 (53.70 to 54.70): BGC

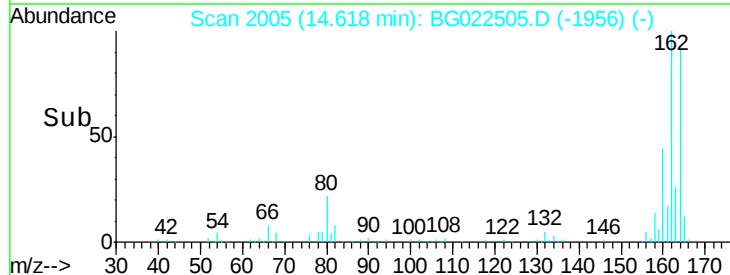
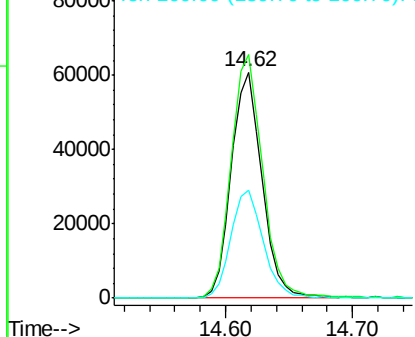


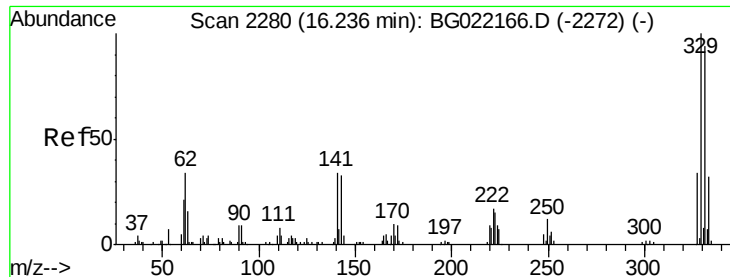
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 14.62 min Scan# 2005  
 Delta R.T. -0.01 min  
 Lab File: BG022505.D  
 Acq: 23 Jun 2016 5:09

Tgt Ion:164 Resp: 102177  
 Ion Ratio Lower Upper  
 164 100  
 162 107.7 78.0 117.0  
 160 47.8 32.9 49.3



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





#41

2,4,6-Tribromophenol

Concen: 127.88 ng

RT: 16.11 min Scan# 2259

Delta R.T. -0.02 min

Lab File: BG022505.D

Acq: 23 Jun 2016 5:09

Instrument :

BNA\_G

ClientSampleId :

SC-STA-1442(0-4)

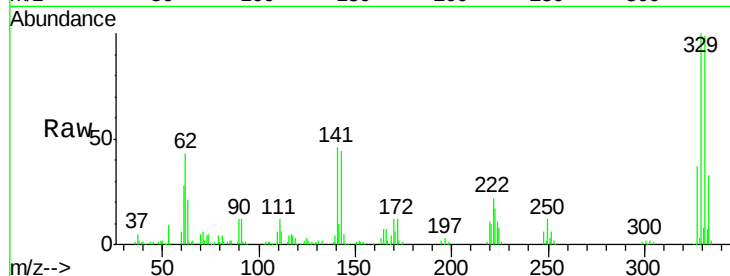
Tot Ion:330 Resp: 147645

Ion Ratio Lower Upper

330 100

332 95.2 78.0 117.0

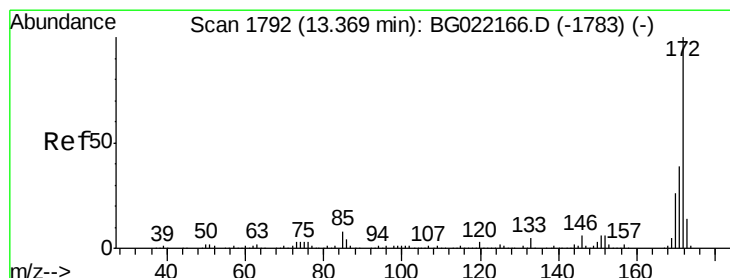
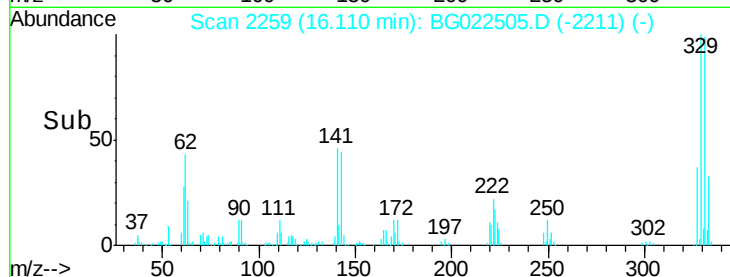
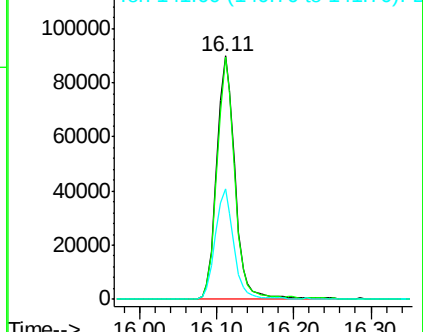
141 45.8 33.8 50.8



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: 101.86 ng

RT: 13.24 min Scan# 1770

Delta R.T. -0.01 min

Lab File: BG022505.D

Acq: 23 Jun 2016 5:09

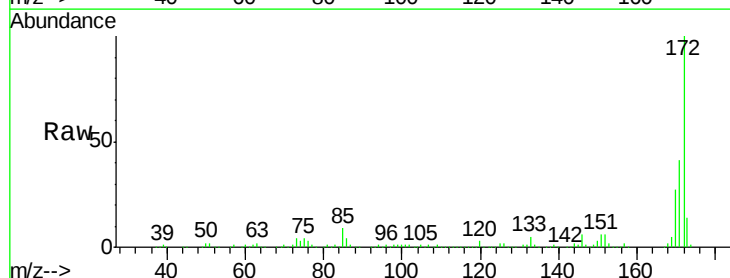
Tgt Ion:172 Resp: 682933

Ion Ratio Lower Upper

172 100

171 40.6 27.8 41.6

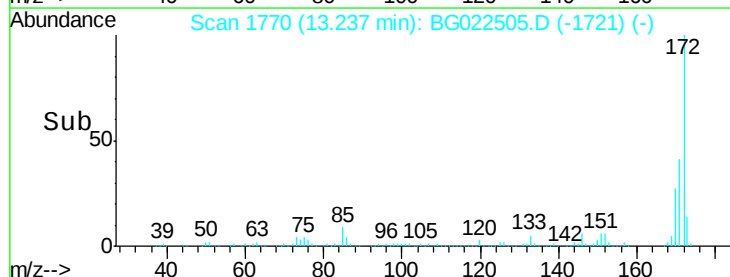
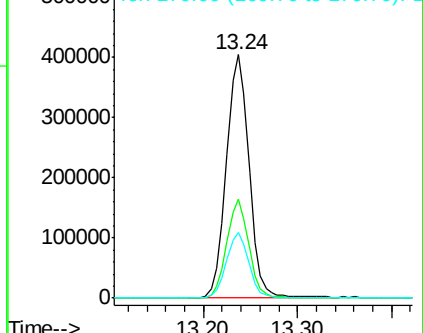
170 27.1 19.6 29.4

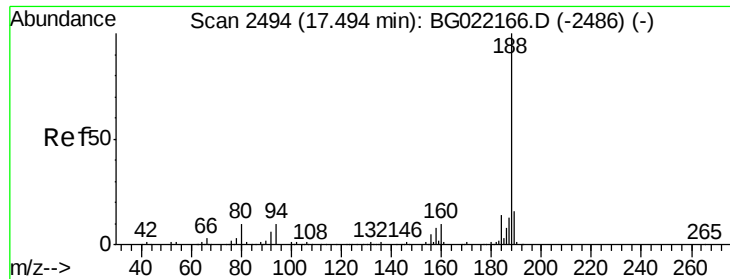


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

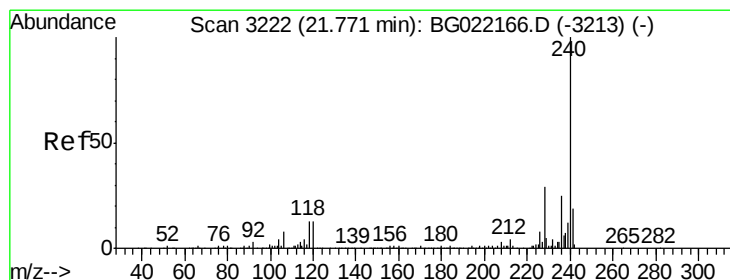
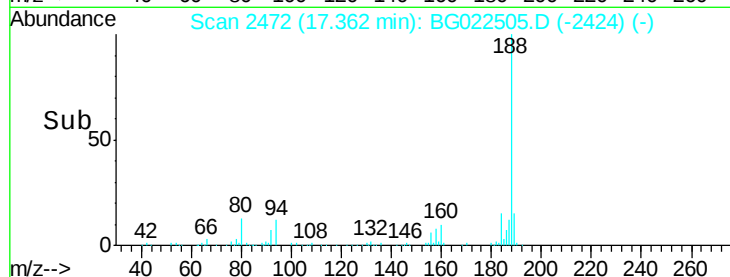
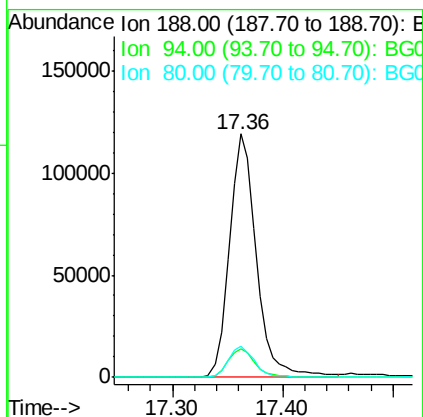
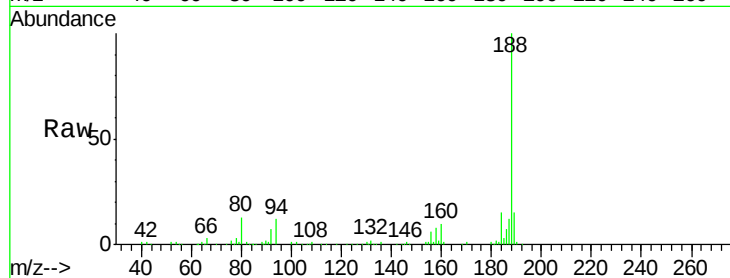




#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.36 min Scan# 2472  
Delta R.T. -0.02 min  
Lab File: BG022505.D  
Acq: 23 Jun 2016 5:09

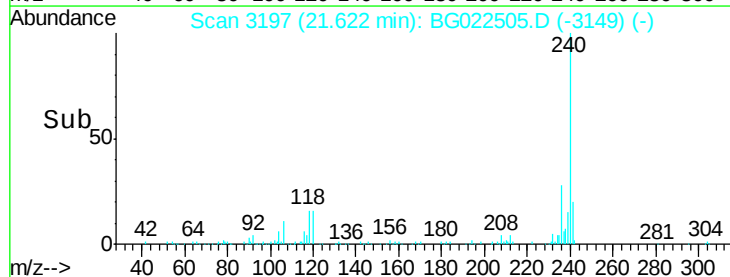
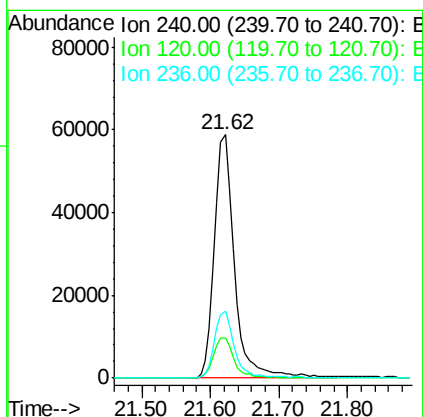
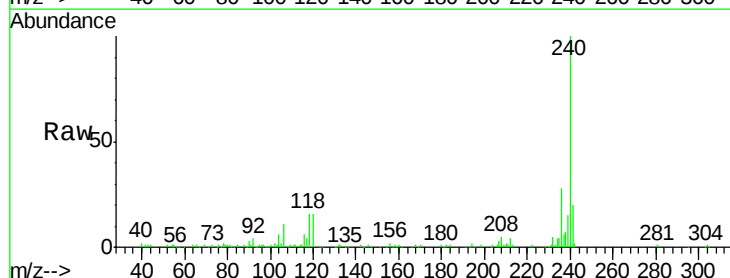
Instrument :  
BNA\_G  
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SC-STA-1442(0-4)

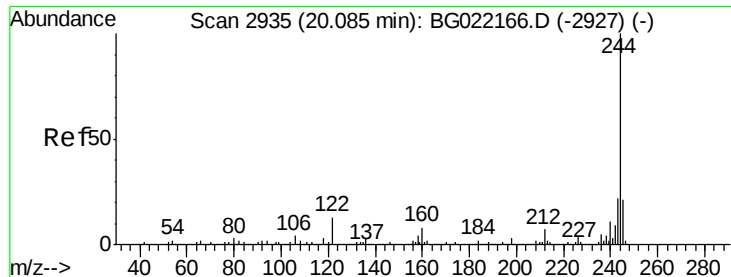
Tot Ion:188 Resp: 204194  
Ion Ratio Lower Upper  
188 100  
94 11.9 7.5 11.3#  
80 12.7 8.6 13.0



#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 21.62 min Scan# 3197  
Delta R.T. -0.02 min  
Lab File: BG022505.D  
Acq: 23 Jun 2016 5:09

Tgt Ion:240 Resp: 120118  
Ion Ratio Lower Upper  
240 100  
120 16.3 8.4 12.6#  
236 27.7 19.6 29.4





#78

Terphenyl-d14

Concen: 135.55 ng

RT: 19.96 min Scan# 2915

Delta R.T. -0.01 min

Lab File: BG022505.D

Acq: 23 Jun 2016 5:09

Instrument :

BNA\_G

ClientSampleId :

SC-STA-1442(0-4)

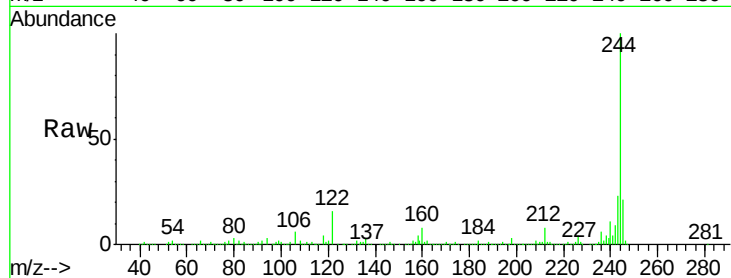
Tot Ion:244 Resp: 685816

Ion Ratio Lower Upper

244 100

212 7.8 6.5 9.7

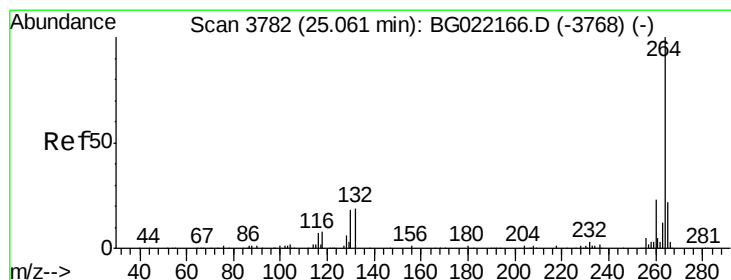
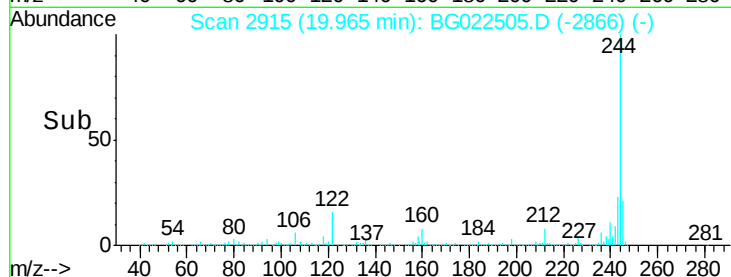
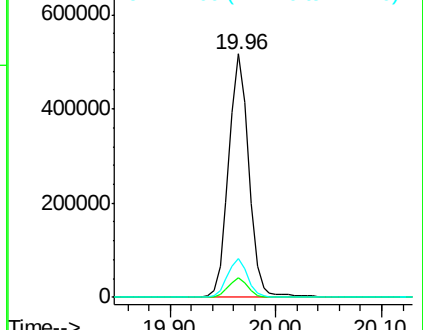
122 15.8 8.6 12.8#



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: 24.80 min Scan# 3738

Delta R.T. -0.04 min

Lab File: BG022505.D

Acq: 23 Jun 2016 5:09

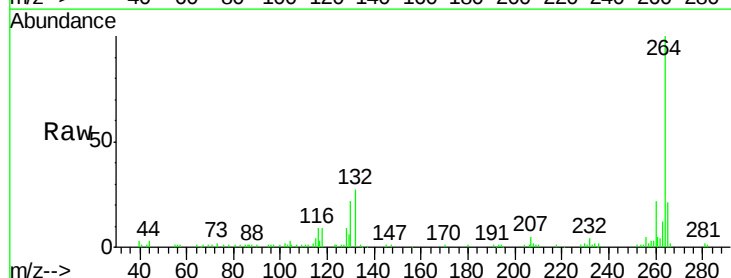
Tgt Ion:264 Resp: 109212

Ion Ratio Lower Upper

264 100

260 22.2 20.2 30.4

265 20.8 17.8 26.8



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

