

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_G\DATA\BG041719\  
 Data File : BG040544.D  
 Acq On : 18 Apr 2019 00:31  
 Operator : JU/SJ  
 Sample : K2197-14  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 CL-01-041619-E

Quant Time: Apr 18 04:38:59 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG032719.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Apr 13 00:33:11 2019  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.04  | 152  | 55673    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.86 | 136  | 199270   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.67 | 164  | 122503   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.42 | 188  | 320580   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12            | 21.69 | 240  | 329525   | 20.00  | ng    | 0.00     |
| 87) Perylene-d12            | 24.97 | 264  | 344190   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.60  | 112  | 370607   | 110.66 | ng    | 0.00     |
| 7) Phenol-d6                | 7.20  | 99   | 464349   | 100.33 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.22  | 82   | 350256   | 93.43  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 16.16 | 330  | 177637   | 134.17 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.29 | 172  | 732013   | 88.54  | ng    | 0.00     |
| 79) Terphenyl-d14           | 20.02 | 244  | 1325844  | 90.51  | ng    | 0.00     |

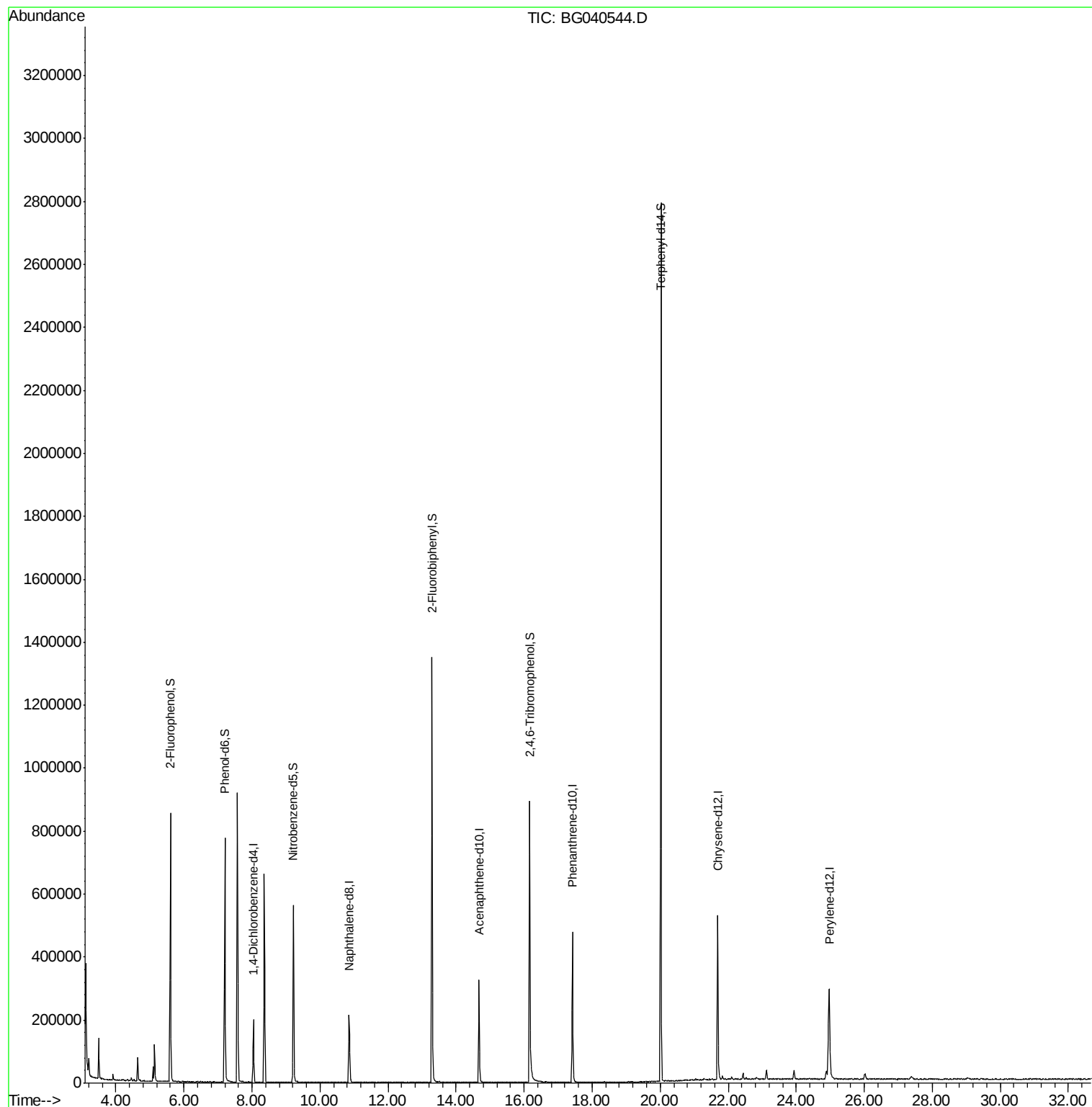
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

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

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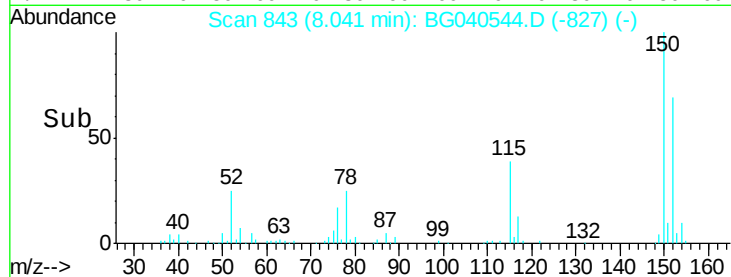
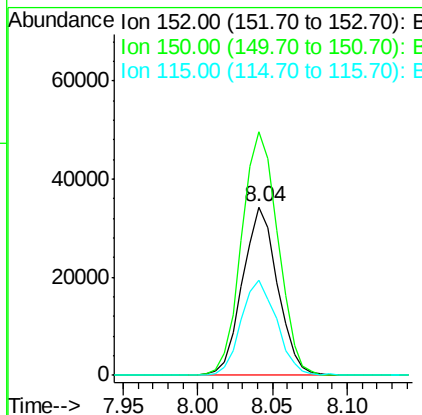
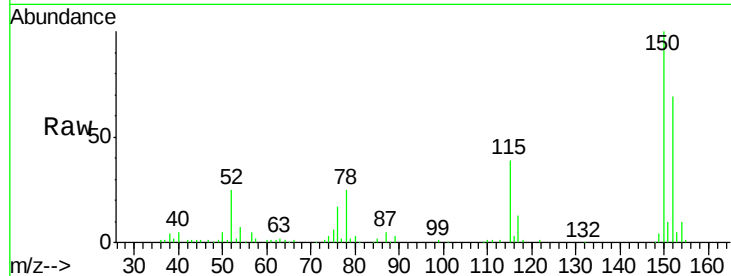


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.04 min Scan# 843  
Delta R.T. -0.00 min  
Lab File: BG040544.D  
Acq: 18 Apr 2019 00:31

Instrument :  
BNA\_G  
ClientSampleId :  
CL-01-041619-E

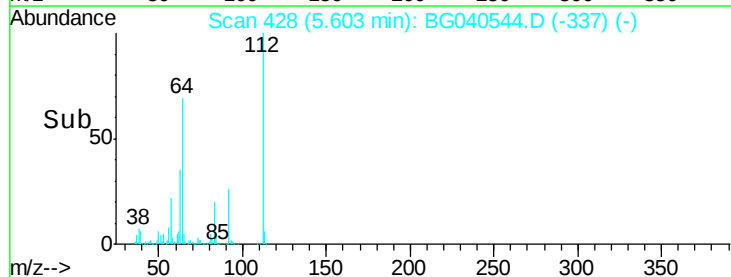
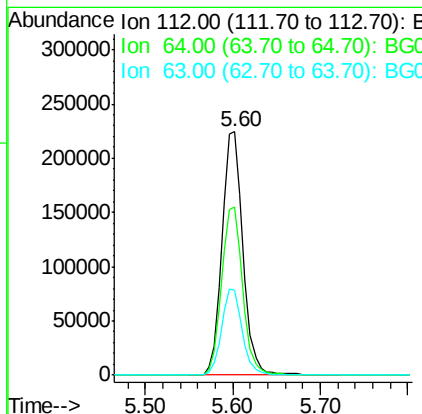
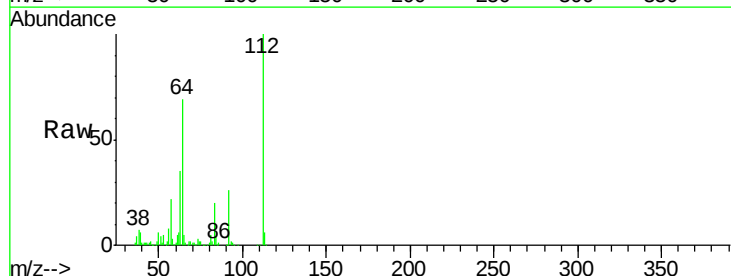
Tgt Ion:152 Resp: 55673  
Ion Ratio Lower Upper  
152 100  
150 144.4 123.7 185.5  
115 56.1 46.9 70.3



#5

2-Fluorophenol  
Concen: 110.664 ng  
RT: 5.60 min Scan# 428  
Delta R.T. 0.00 min  
Lab File: BG040544.D  
Acq: 18 Apr 2019 00:31

Tgt Ion:112 Resp: 370607  
Ion Ratio Lower Upper  
112 100  
64 69.0 54.2 81.2  
63 34.7 26.4 39.6





#7

Phenol-d6

Concen: 100.329 ng

RT: 7.20 min Scan# 700

Delta R.T. 0.00 min

Lab File: BG040544.D

Acq: 18 Apr 2019 00:31

Instrument :

BNA\_G

ClientSampleId :

CL-01-041619-E

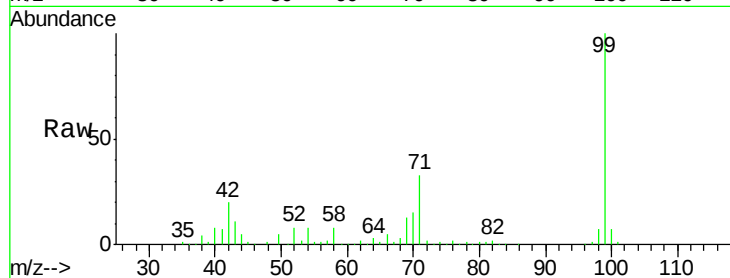
Tgt Ion: 99 Resp: 464349

Ion Ratio Lower Upper

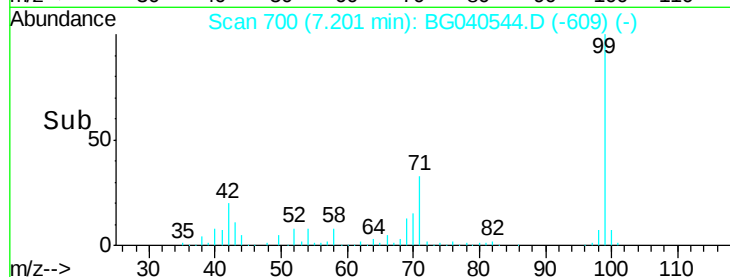
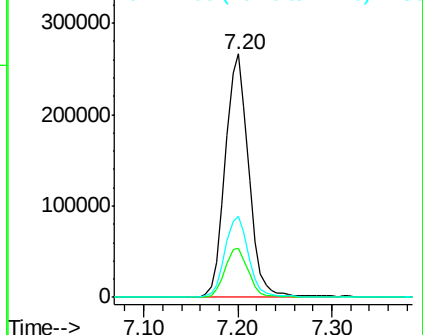
99 100

42 20.1 16.2 24.2

71 33.5 26.8 40.2



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: 20.000 ng

RT: 10.86 min Scan# 1322

Delta R.T. -0.00 min

Lab File: BG040544.D

Acq: 18 Apr 2019 00:31

Tgt Ion: 136 Resp: 199270

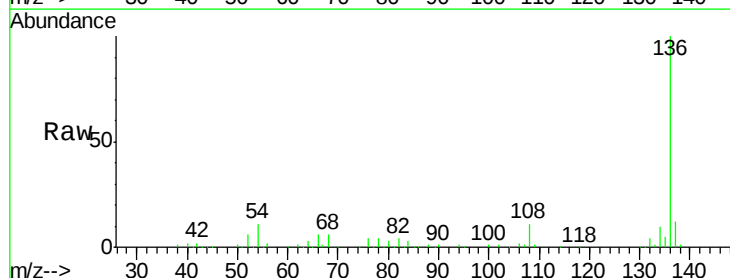
Ion Ratio Lower Upper

136 100

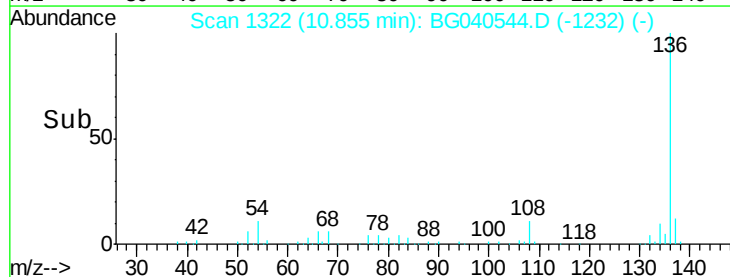
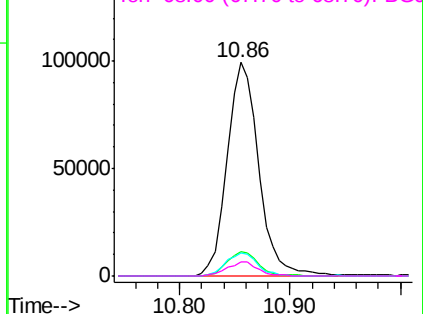
137 11.7 8.9 13.3

54 10.9 9.6 14.4

68 6.4 5.1 7.7



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

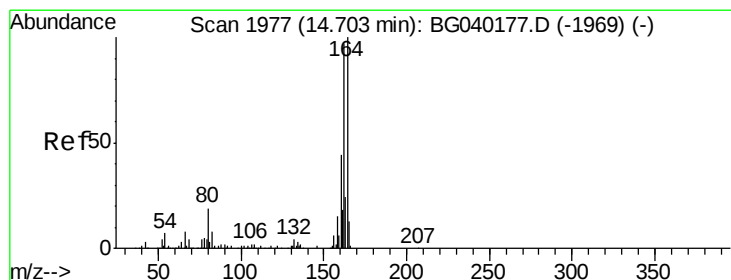
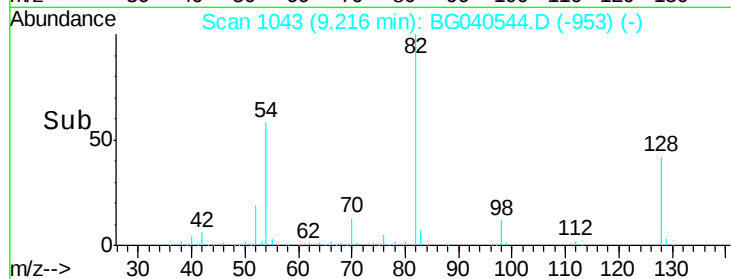
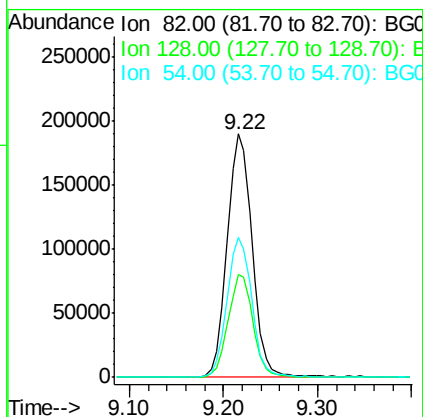
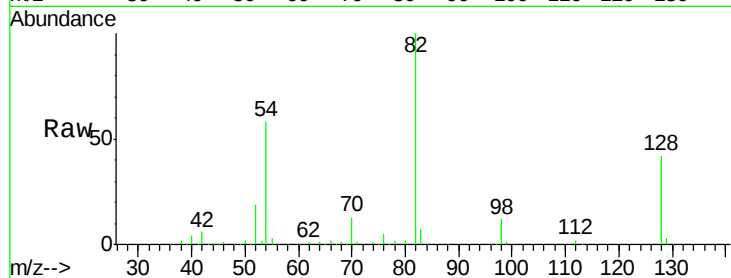




#23  
 Nitrobenzene-d5  
 Concen: 93.427 ng  
 RT: 9.22 min Scan# 1043  
 Delta R.T. -0.00 min  
 Lab File: BG040544.D  
 Acq: 18 Apr 2019 00:31

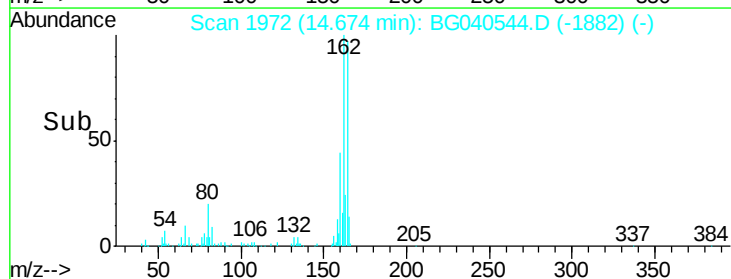
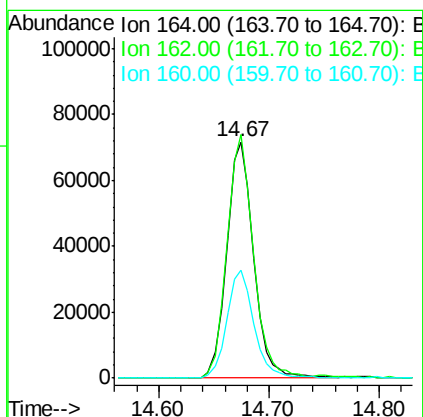
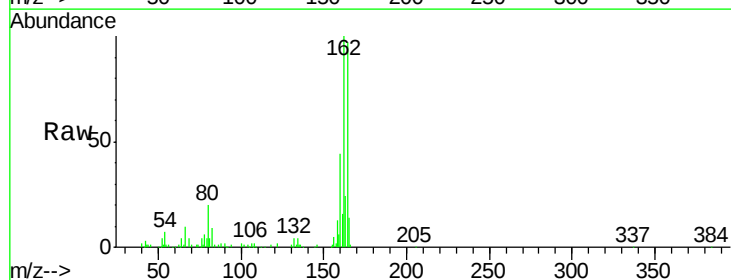
Instrument :  
 BNA\_G  
 ClientSampleId :  
 CL-01-041619-E

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 42.3  | 35.8  | 53.8  |
| 54      | 57.6  | 46.2  | 69.2  |



#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.67 min Scan# 1972  
 Delta R.T. -0.00 min  
 Lab File: BG040544.D  
 Acq: 18 Apr 2019 00:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 103.0 | 77.4  | 116.2 |
| 160     | 45.7  | 35.3  | 52.9  |

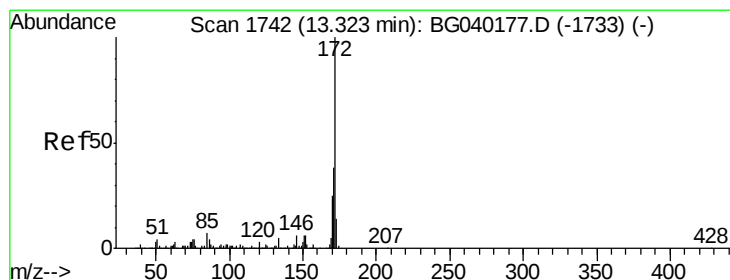
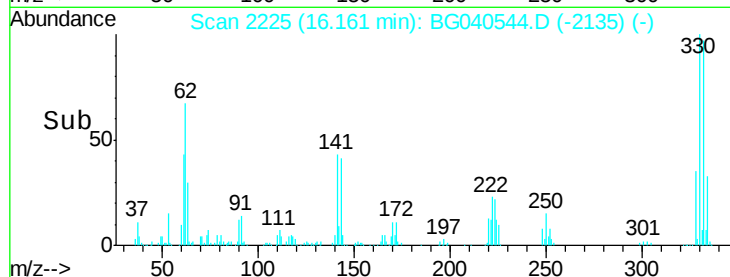
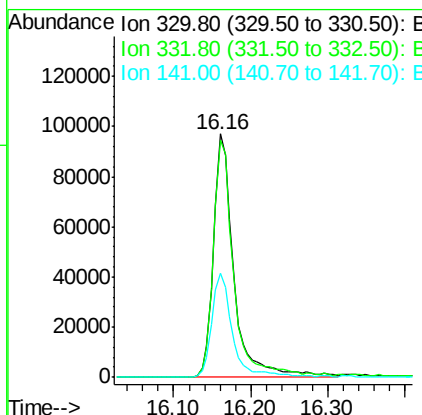
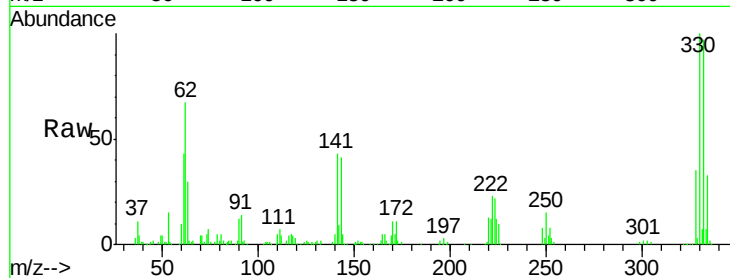




#42  
 2,4,6-Tribromophenol  
 Concen: 134.173 ng  
 RT: 16.16 min Scan# 2225  
 Delta R.T. -0.00 min  
 Lab File: BG040544.D  
 Acq: 18 Apr 2019 00:31

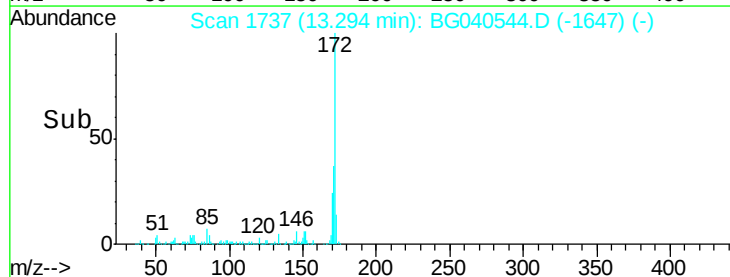
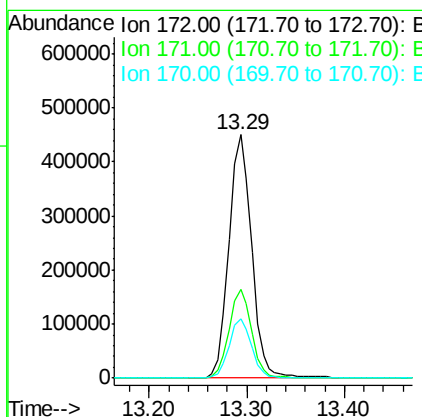
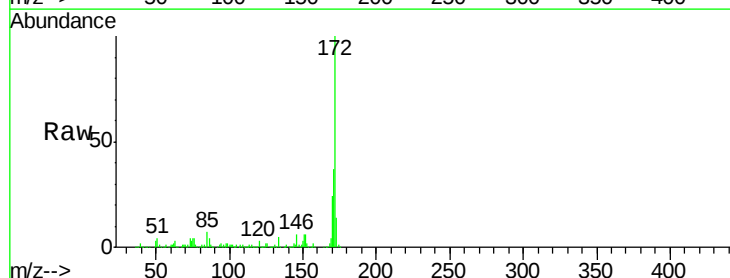
Instrument :  
 BNA\_G  
 ClientSampleId :  
 CL-01-041619-E

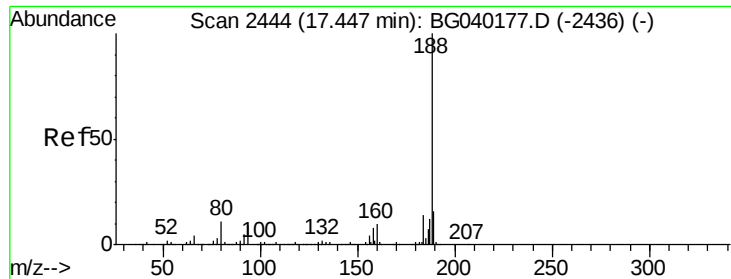
Tgt Ion:330 Resp: 177637  
 Ion Ratio Lower Upper  
 330 100  
 332 97.3 76.6 115.0  
 141 43.4 32.6 48.8



#45  
 2-Fluorobiphenyl  
 Concen: 88.542 ng  
 RT: 13.29 min Scan# 1737  
 Delta R.T. -0.00 min  
 Lab File: BG040544.D  
 Acq: 18 Apr 2019 00:31

Tgt Ion:172 Resp: 732013  
 Ion Ratio Lower Upper  
 172 100  
 171 36.5 30.5 45.7  
 170 24.5 20.1 30.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.42 min Scan# 2439

Delta R.T. -0.00 min

Lab File: BG040544.D

Acq: 18 Apr 2019 00:31

Instrument :

BNA\_G

ClientSampleId :

CL-01-041619-E

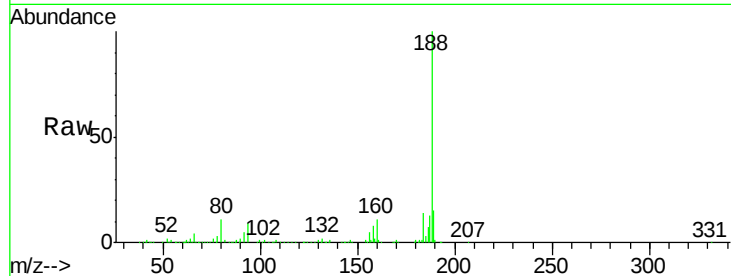
Tgt Ion:188 Resp: 320580

Ion Ratio Lower Upper

188 100

94 8.8 7.0 10.4

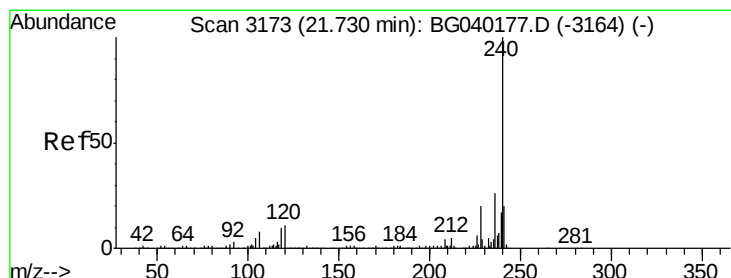
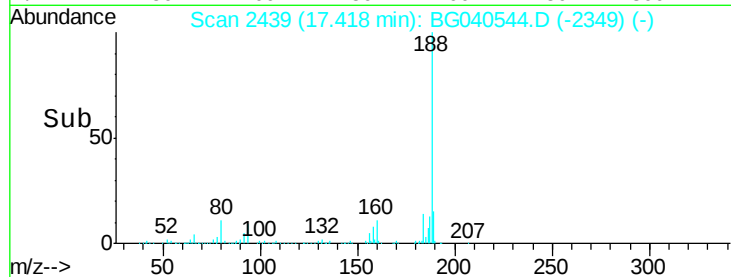
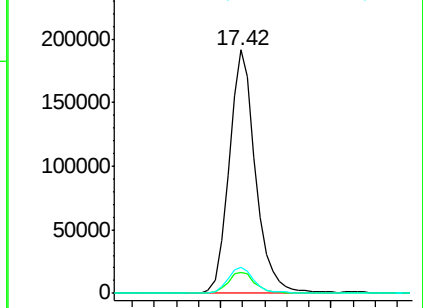
80 10.7 8.6 13.0



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.69 min Scan# 3166

Delta R.T. -0.01 min

Lab File: BG040544.D

Acq: 18 Apr 2019 00:31

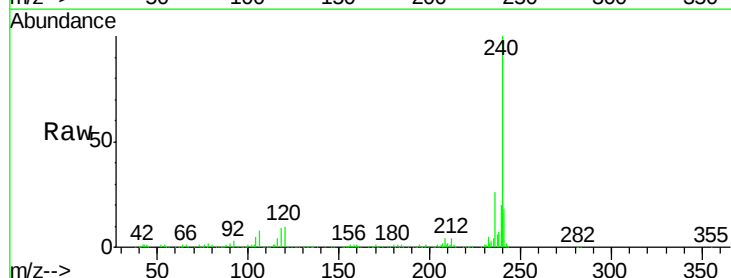
Tgt Ion:240 Resp: 329525

Ion Ratio Lower Upper

240 100

120 10.2 8.4 12.6

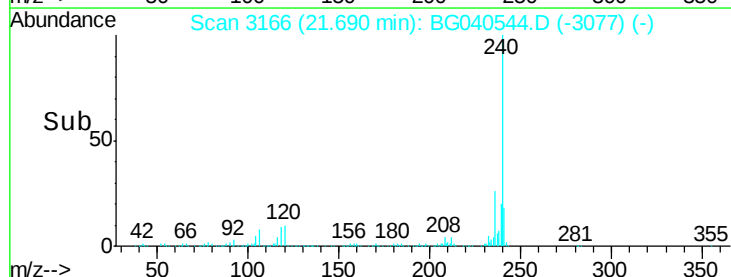
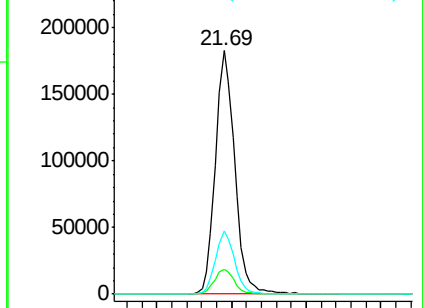
236 25.8 20.8 31.2



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





#79

Terphenyl-d14

Concen: 90.515 ng

RT: 20.02 min Scan# 2882

Delta R.T. -0.00 min

Lab File: BG040544.D

Acq: 18 Apr 2019 00:31

Instrument :

BNA\_G

ClientSampleId :

CL-01-041619-E

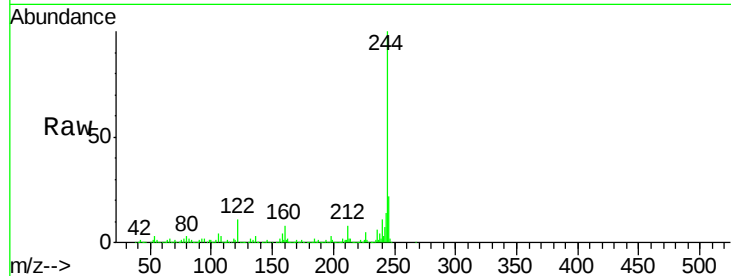
Tgt Ion:244 Resp: 1325844

Ion Ratio Lower Upper

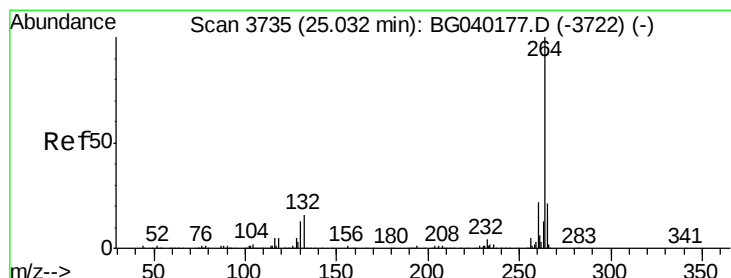
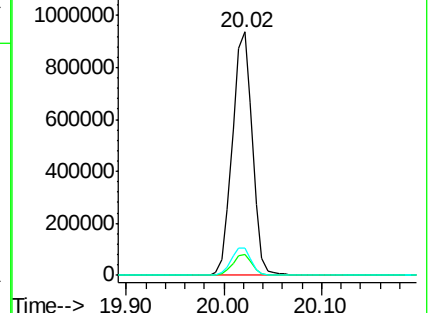
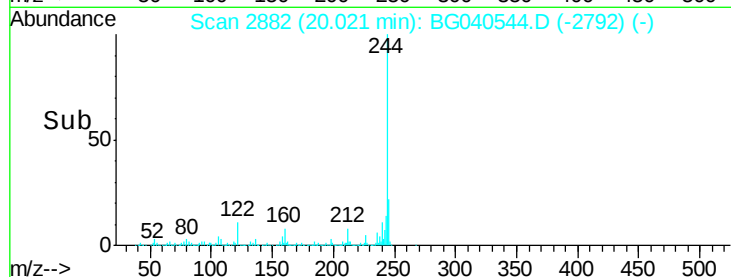
244 100

212 8.4 7.0 10.6

122 11.0 8.5 12.7



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 24.97 min Scan# 3724

Delta R.T. -0.00 min

Lab File: BG040544.D

Acq: 18 Apr 2019 00:31

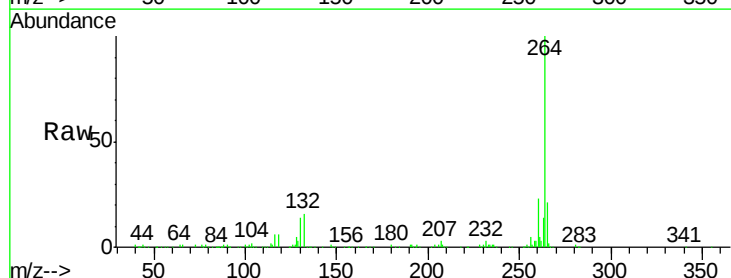
Tgt Ion:264 Resp: 344190

Ion Ratio Lower Upper

264 100

260 23.5 17.9 26.9

265 20.9 16.8 25.2



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

