

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG022520\  
 Data File : BG044596.D  
 Acq On : 26 Feb 2020 3:51  
 Operator : CG/JU  
 Sample : PB127049BL  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB127049BL

Quant Time: Feb 26 06:15:17 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG022420.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Feb 24 16:11:23 2020  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.87  | 152  | 61916    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.67 | 136  | 240117   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.52 | 164  | 159442   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.26 | 188  | 382638   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12            | 21.50 | 240  | 390362   | 20.00  | ng    | 0.00     |
| 87) Perylene-d12            | 24.56 | 264  | 405075   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.45  | 112  | 226751   | 58.76  | ng    | 0.00     |
| 7) Phenol-d6                | 7.05  | 99   | 165751   | 31.38  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.03  | 82   | 441826   | 94.80  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 16.01 | 330  | 326214   | 144.29 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.14 | 172  | 1061834  | 95.37  | ng    | 0.00     |
| 79) Terphenyl-d14           | 19.88 | 244  | 1833098  | 88.90  | ng    | 0.00     |

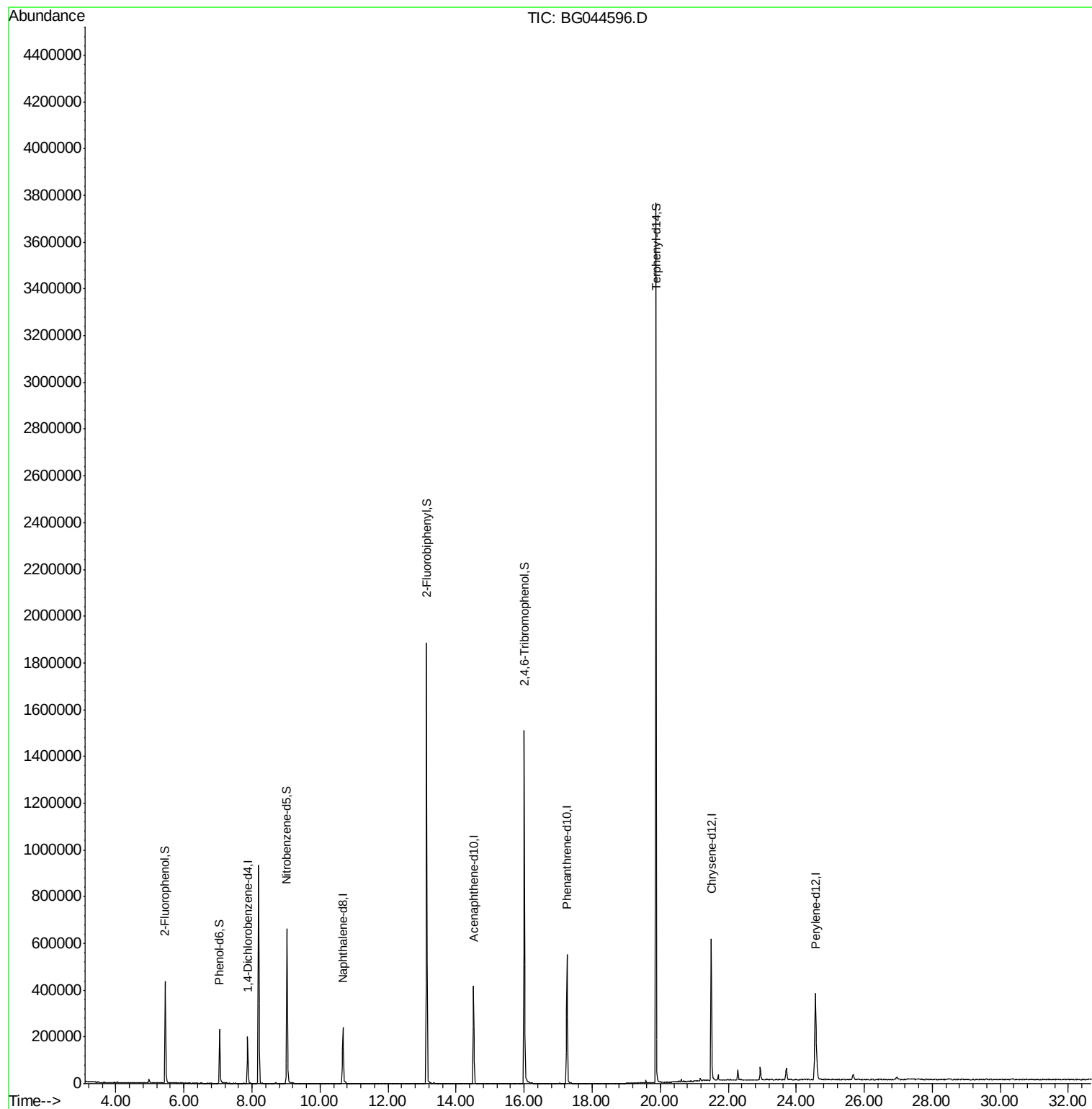
Target Compounds Qvalue

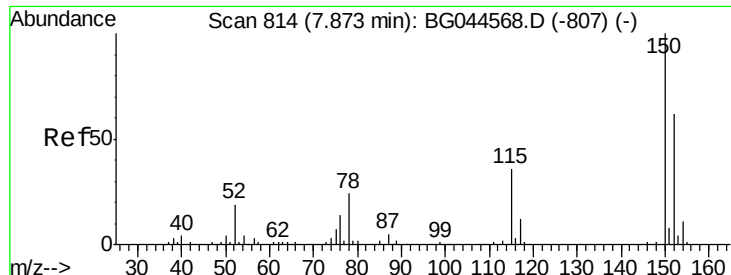
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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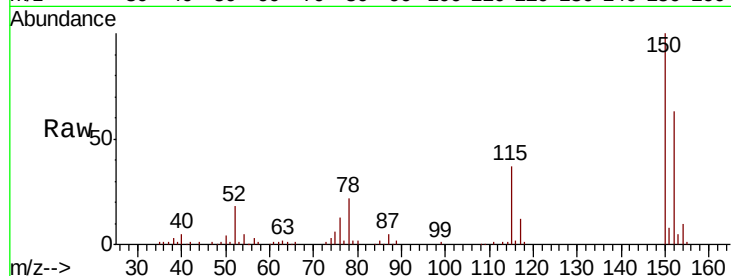


#1

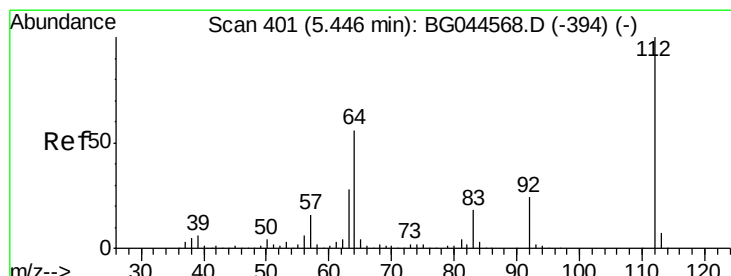
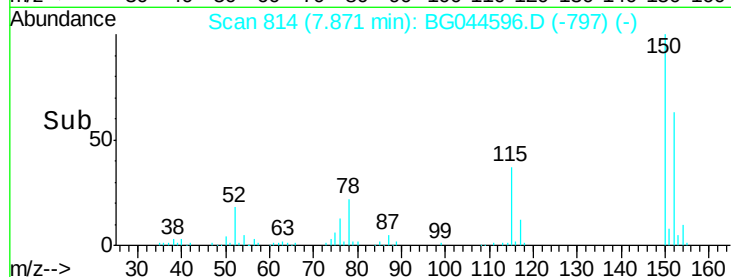
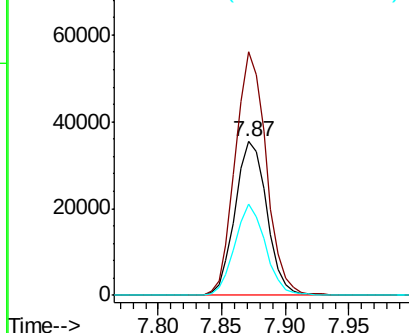
1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 7.87 min Scan# 814  
 Delta R.T. -0.00 min  
 Lab File: BG044596.D  
 Acq: 26 Feb 2020 3:51

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB127049BL

Tot Ion:152 Resp: 61916  
 Ion Ratio Lower Upper  
 152 100  
 150 158.7 128.9 193.3  
 115 59.1 47.0 70.4



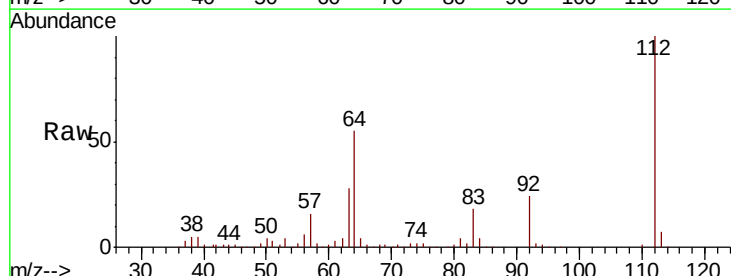
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



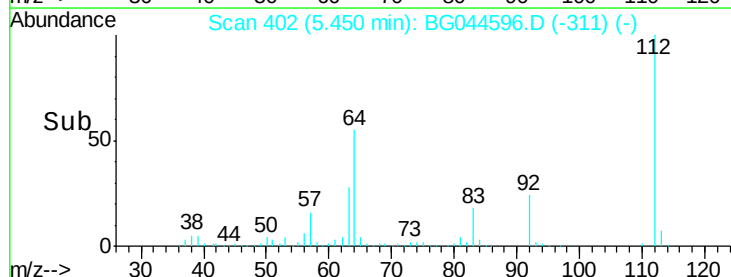
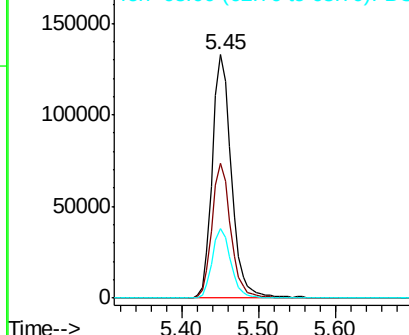
#5

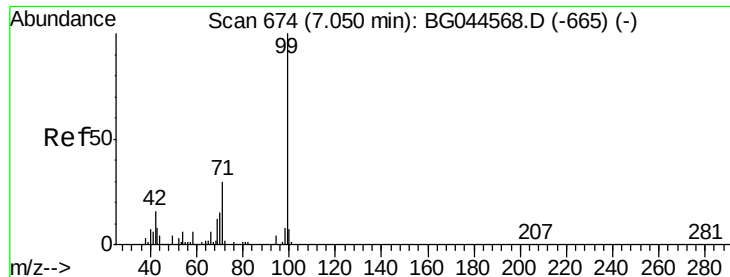
2-Fluorophenol  
 Concen: 58.759 ng  
 RT: 5.45 min Scan# 402  
 Delta R.T. 0.00 min  
 Lab File: BG044596.D  
 Acq: 26 Feb 2020 3:51

Tgt Ion:112 Resp: 226751  
 Ion Ratio Lower Upper  
 112 100  
 64 55.3 44.8 67.2  
 63 28.3 22.3 33.5



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: 31.379 ng

RT: 7.05 min Scan# 674

Delta R.T. -0.00 min

Lab File: BG044596.D

Acq: 26 Feb 2020 3:51

Instrument :

BNA\_G

ClientSampleId :

PB127049BL

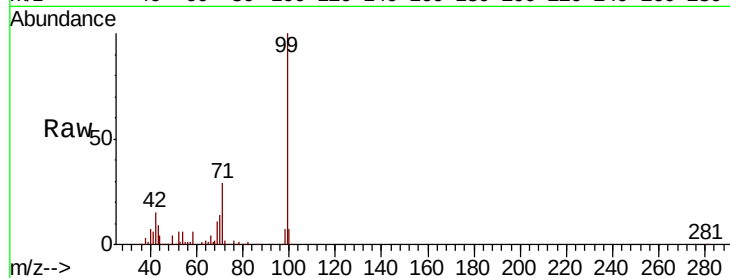
Tot Ion: 99 Resp: 165751

Ion Ratio Lower Upper

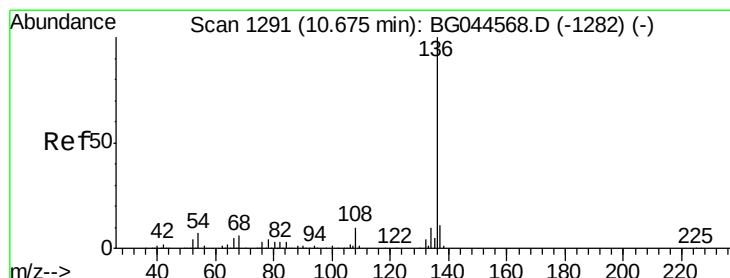
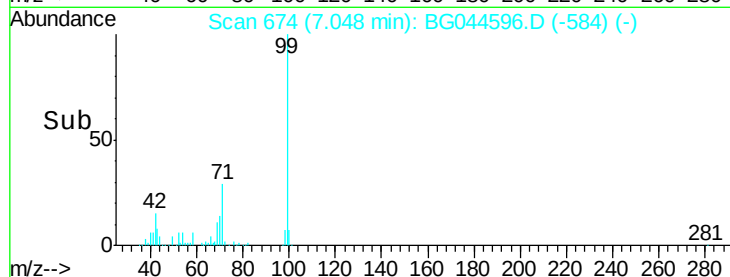
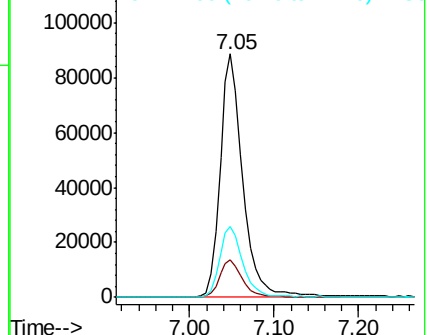
99 100

42 15.4 12.8 19.2

71 29.3 24.4 36.6



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: 10.67 min Scan# 1291

Delta R.T. -0.00 min

Lab File: BG044596.D

Acq: 26 Feb 2020 3:51

Tgt Ion: 136 Resp: 240117

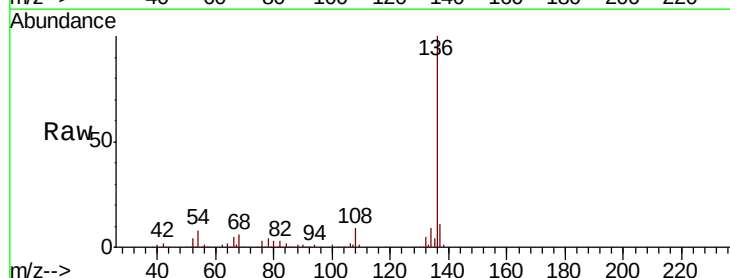
Ion Ratio Lower Upper

136 100

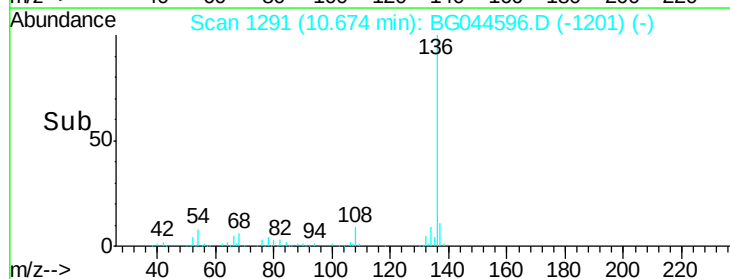
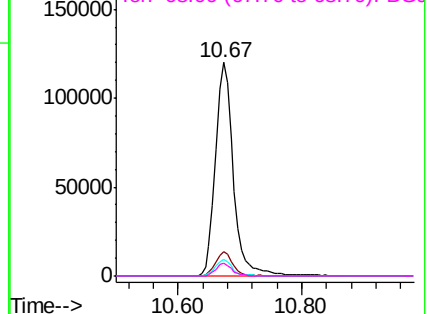
137 11.2 8.8 13.2

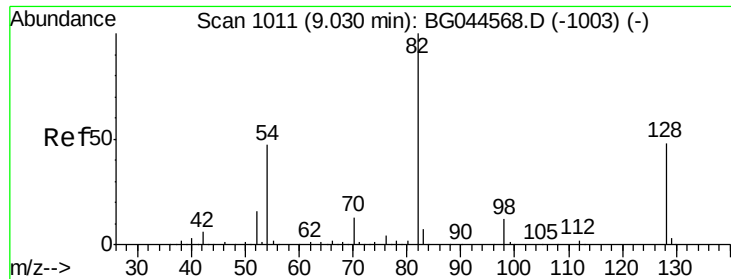
54 7.7 5.7 8.5

68 5.8 4.5 6.7



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

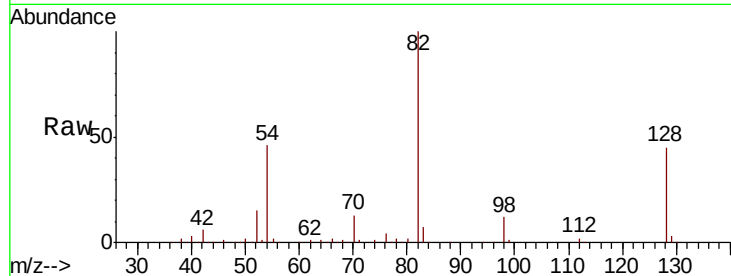




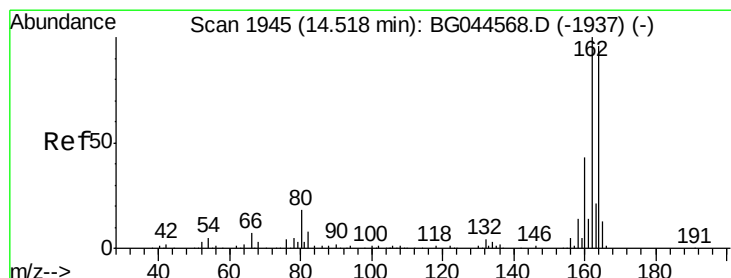
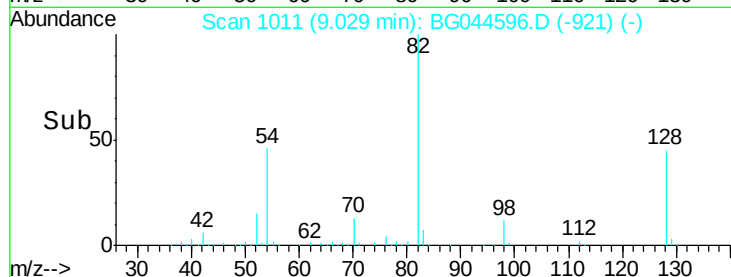
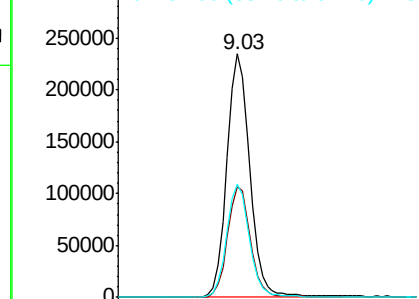
#23  
Nitrobenzene-d5  
Concen: 94.796 ng  
RT: 9.03 min Scan# 1011  
Delta R.T. -0.00 min  
Lab File: BG044596.D  
Acq: 26 Feb 2020 3:51

Instrument :  
BNA\_G  
ClientSampleId :  
PB127049BL

Tot Ion: 82 Resp: 441826  
Ion Ratio Lower Upper  
82 100  
128 45.4 38.1 57.1  
54 46.5 37.5 56.3

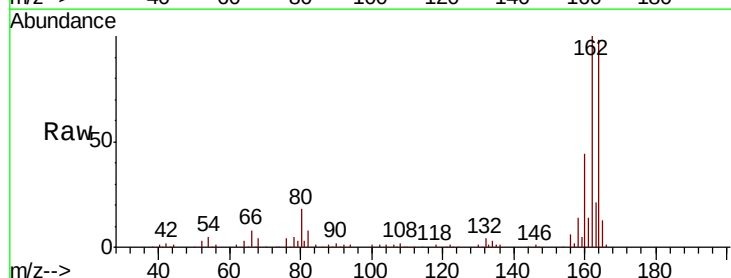


Abundance Ion 82.00 (81.70 to 82.70): BGC  
Ion 128.00 (127.70 to 128.70): BGC  
Ion 54.00 (53.70 to 54.70): BGC

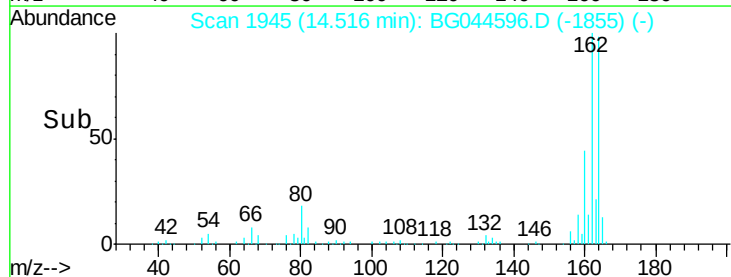
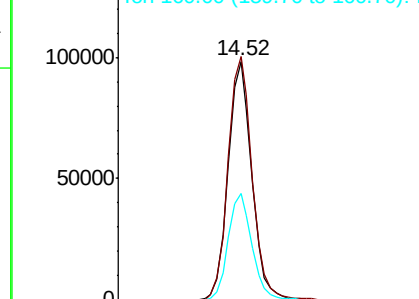


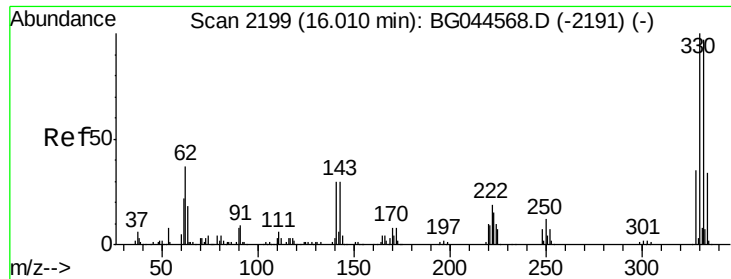
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.52 min Scan# 1945  
Delta R.T. -0.00 min  
Lab File: BG044596.D  
Acq: 26 Feb 2020 3:51

Tgt Ion:164 Resp: 159442  
Ion Ratio Lower Upper  
164 100  
162 102.0 83.6 125.4  
160 44.7 36.2 54.4



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

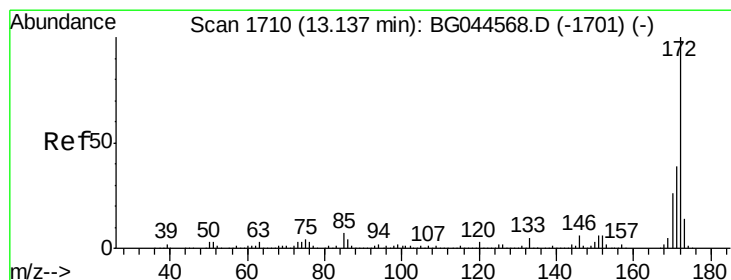
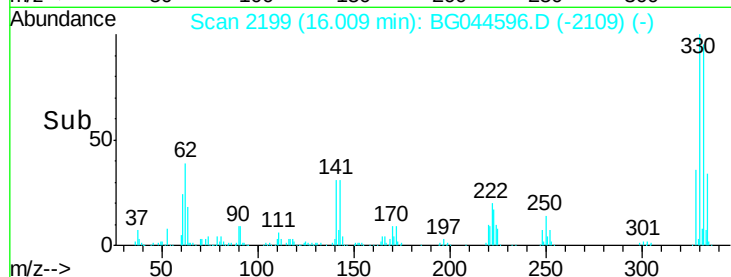
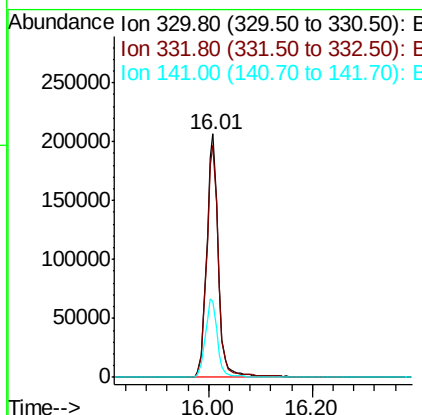
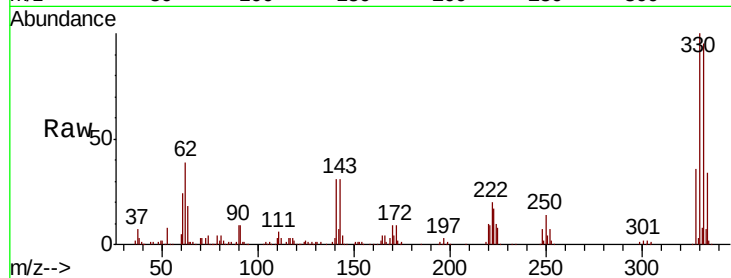




#42  
 2,4,6-Tribromophenol  
 Concen: 144.294 ng  
 RT: 16.01 min Scan# 2199  
 Delta R.T. -0.00 min  
 Lab File: BG044596.D  
 Acq: 26 Feb 2020 3:51

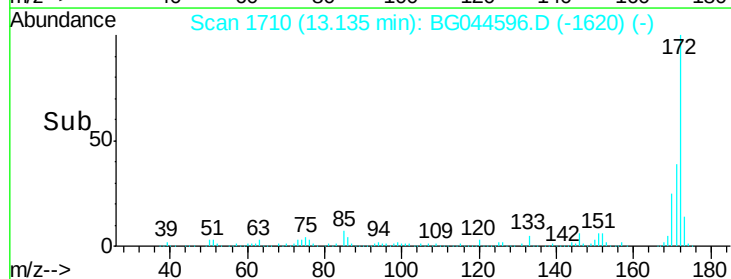
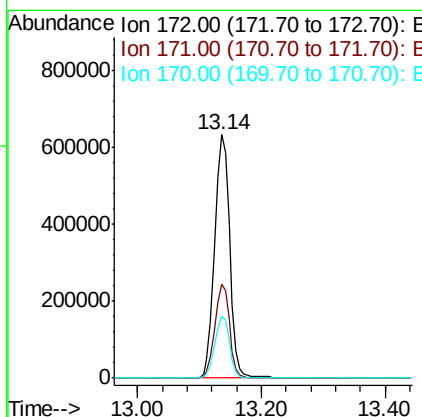
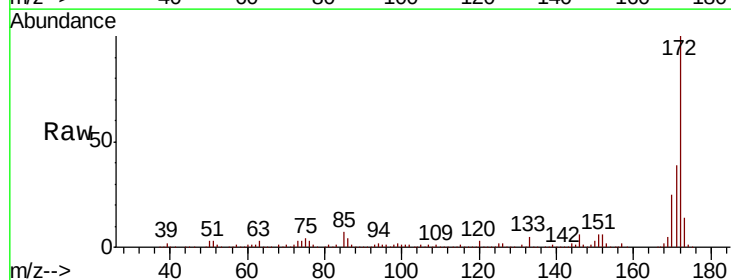
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB127049BL

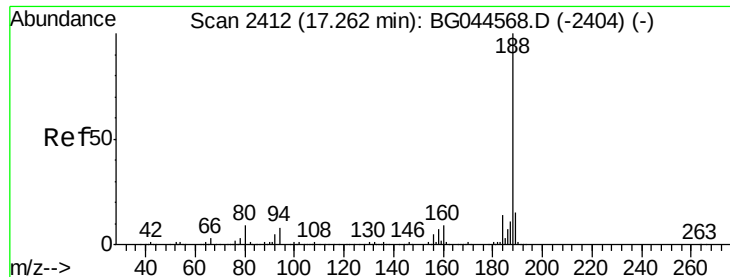
Tot Ion:330 Resp: 326214  
 Ion Ratio Lower Upper  
 330 100  
 332 95.5 77.4 116.0  
 141 32.8 26.1 39.1



#45  
 2-Fluorobiphenyl  
 Concen: 95.366 ng  
 RT: 13.14 min Scan# 1710  
 Delta R.T. -0.00 min  
 Lab File: BG044596.D  
 Acq: 26 Feb 2020 3:51

Tgt Ion:172 Resp: 1061834  
 Ion Ratio Lower Upper  
 172 100  
 171 38.6 31.3 46.9  
 170 25.4 21.0 31.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.26 min Scan# 2412

Delta R.T. -0.00 min

Lab File: BG044596.D

Acq: 26 Feb 2020 3:51

Instrument :

BNA\_G

ClientSampleId :

PB127049BL

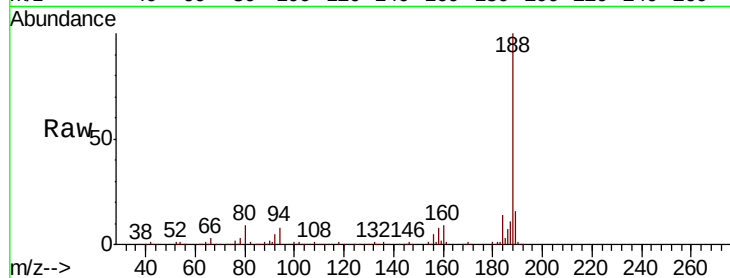
Tot Ion:188 Resp: 382638

Ion Ratio Lower Upper

188 100

94 7.9 6.7 10.1

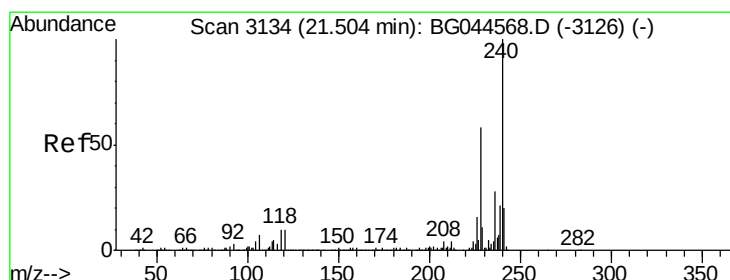
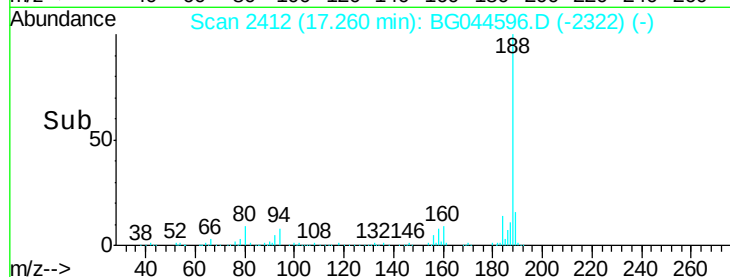
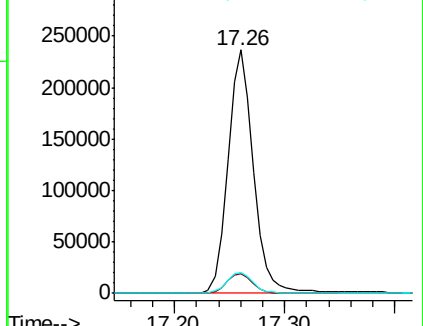
80 8.7 7.6 11.4



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.50 min Scan# 3134

Delta R.T. -0.00 min

Lab File: BG044596.D

Acq: 26 Feb 2020 3:51

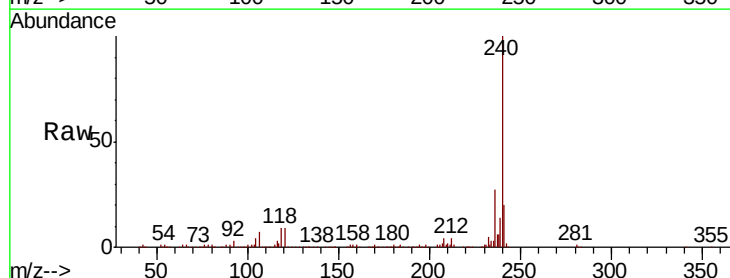
Tgt Ion:240 Resp: 390362

Ion Ratio Lower Upper

240 100

120 9.3 8.3 12.5

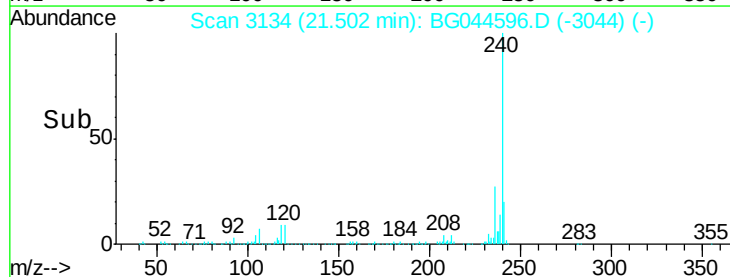
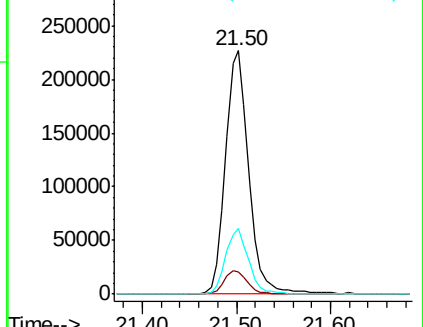
236 26.8 22.3 33.5

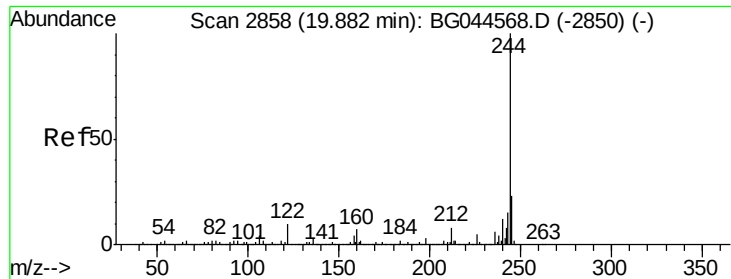


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 88.896 ng

RT: 19.88 min Scan# 2858

Delta R.T. -0.00 min

Lab File: BG044596.D

Acq: 26 Feb 2020 3:51

Instrument :

BNA\_G

ClientSampleId :

PB127049BL

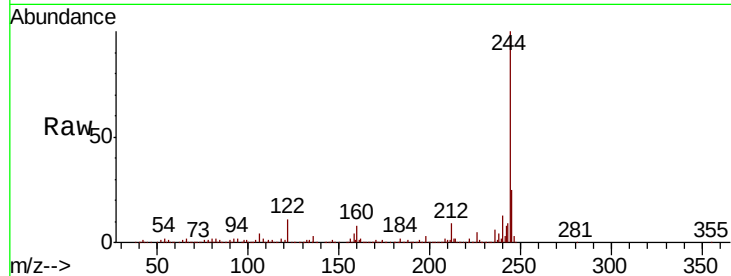
Tot Ion:244 Resp: 1833098

Ion Ratio Lower Upper

244 100

212 8.9 6.5 9.7

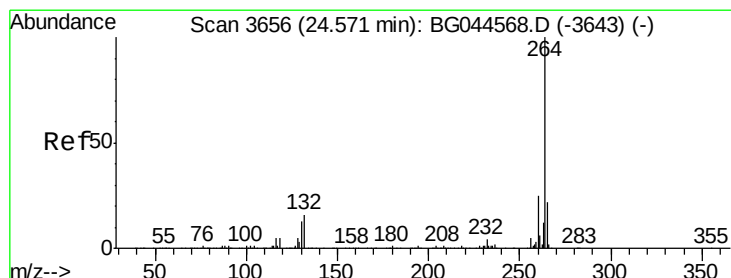
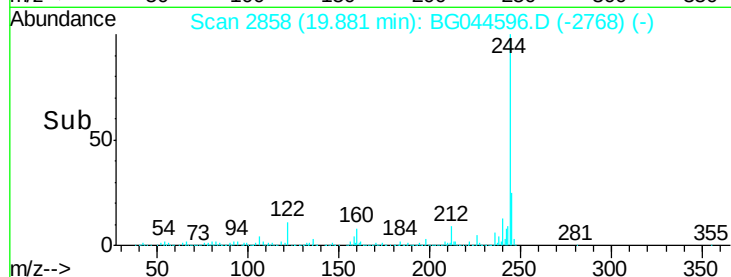
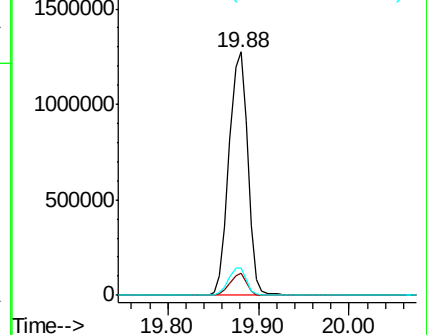
122 11.5 8.2 12.4



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: 24.56 min Scan# 3655

Delta R.T. -0.01 min

Lab File: BG044596.D

Acq: 26 Feb 2020 3:51

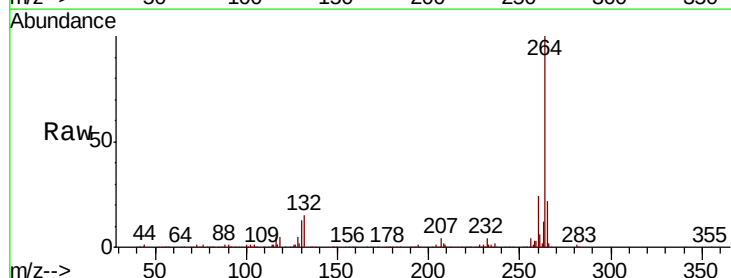
Tgt Ion:264 Resp: 405075

Ion Ratio Lower Upper

264 100

260 23.5 19.7 29.5

265 22.3 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

