

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG121115\  
 Data File : BG020077.D  
 Acq On : 10 Dec 2015 15:59  
 Operator : UM/SJ  
 Sample : G4683-04  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 S9-14.5

Quant Time: Dec 11 04:45:46 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG120215.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 02 18:50:01 2015  
 Response via : Initial Calibration

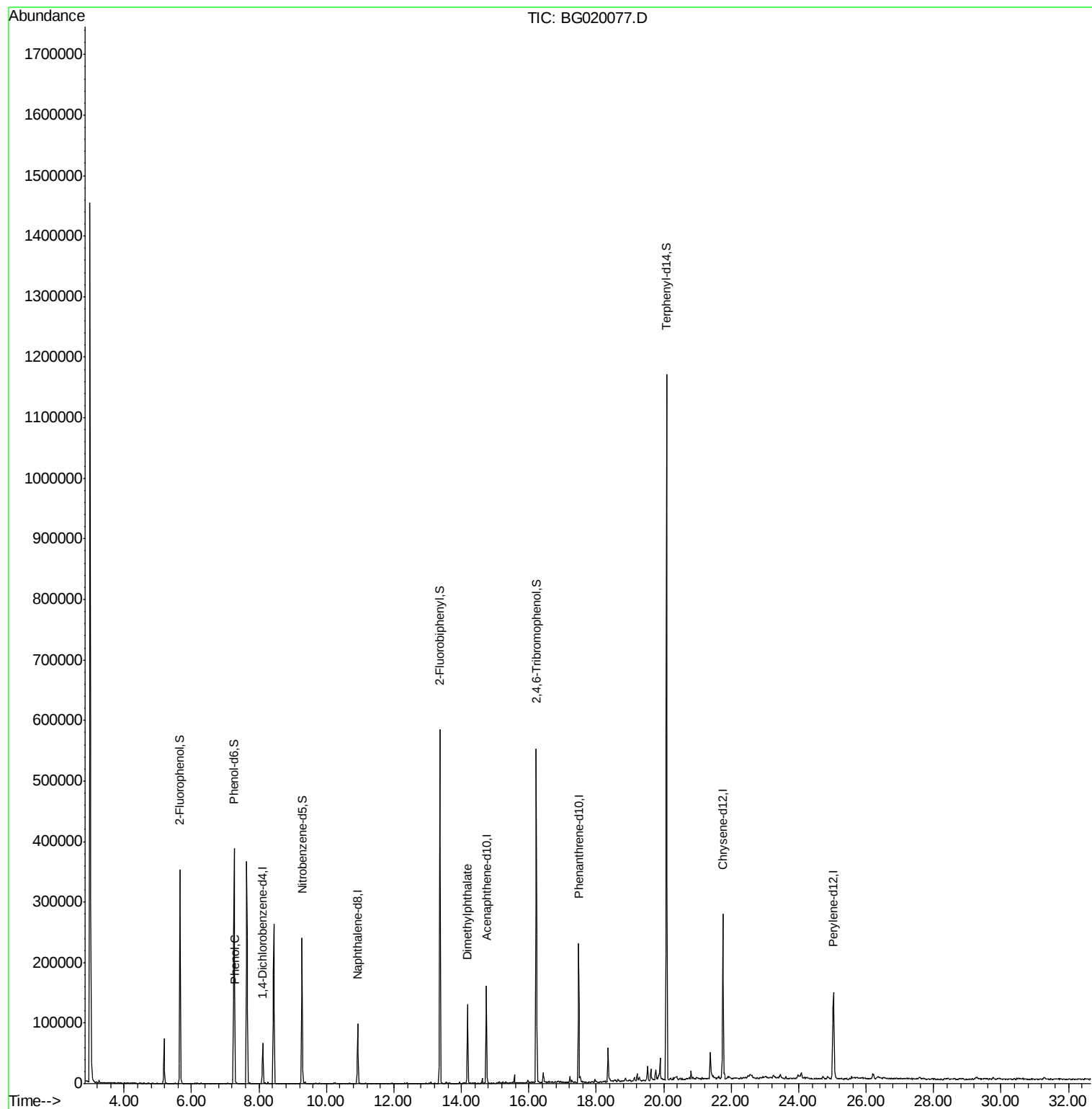
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)    |
|-----------------------------|-------|------|----------|--------|-------|-------------|
| 1) 1,4-Dichlorobenzene-d4   | 8.11  | 152  | 19074    | 20.00  | ng    | -0.02       |
| 21) Naphthalene-d8          | 10.93 | 136  | 82943    | 20.00  | ng    | -0.02       |
| 38) Acenaphthene-d10        | 14.74 | 164  | 56720    | 20.00  | ng    | -0.02       |
| 63) Phenanthrene-d10        | 17.48 | 188  | 139585   | 20.00  | ng    | -0.03       |
| 75) Chrysene-d12            | 21.75 | 240  | 167730   | 20.00  | ng    | -0.04       |
| 86) Perylene-d12            | 25.03 | 264  | 158291   | 20.00  | ng    | -0.07       |
| System Monitoring Compounds |       |      |          |        |       |             |
| 5) 2-Fluorophenol           | 5.66  | 112  | 145439   | 137.81 | ng    | -0.01       |
| 7) Phenol-d6                | 7.26  | 99   | 219278   | 137.61 | ng    | -0.01       |
| 23) Nitrobenzene-d5         | 9.28  | 82   | 144384   | 88.84  | ng    | -0.02       |
| 41) 2,4,6-Tribromophenol    | 16.22 | 330  | 102784   | 118.43 | ng    | -0.02       |
| 44) 2-Fluorobiphenyl        | 13.37 | 172  | 310125   | 74.66  | ng    | -0.02       |
| 78) Terphenyl-d14           | 20.08 | 244  | 518127   | 75.35  | ng    | -0.03       |
| Target Compounds            |       |      |          |        |       |             |
| 10) Phenol                  | 7.29  | 94   | 3758     | 2.24   | ng    | Qvalue # 51 |
| 49) Dimethylphthalate       | 14.18 | 163  | 80000    | 15.68  | ng    | 98          |

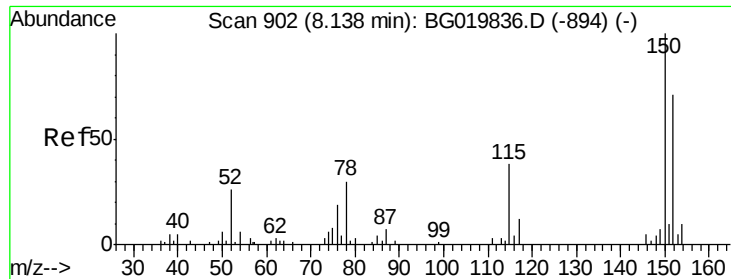
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG121115\  
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Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
S9-14.5

Quant Time: Dec 11 04:45:46 2015  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG120215.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Dec 02 18:50:01 2015  
Response via : Initial Calibration



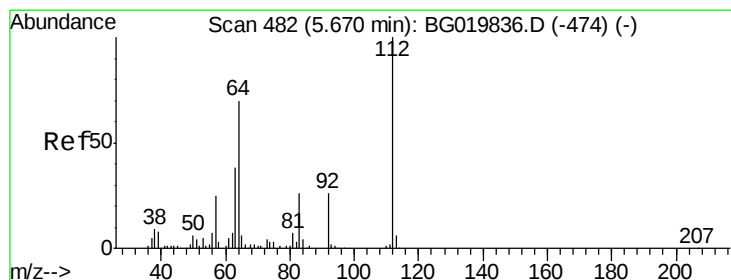
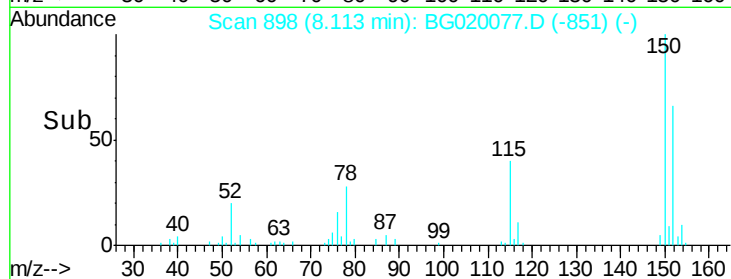
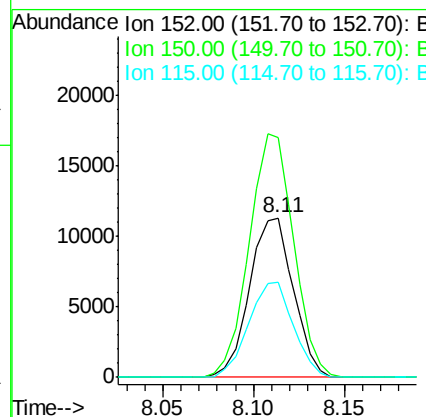
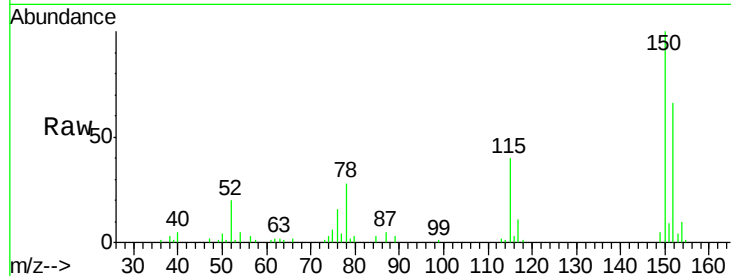


#1

1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 8.11 min Scan# 898  
 Delta R.T. -0.02 min  
 Lab File: BG020077.D  
 Acq: 10 Dec 2015 15:59

Instrument :  
 BNA\_F  
 ClientSampleId :  
 S9-14.5

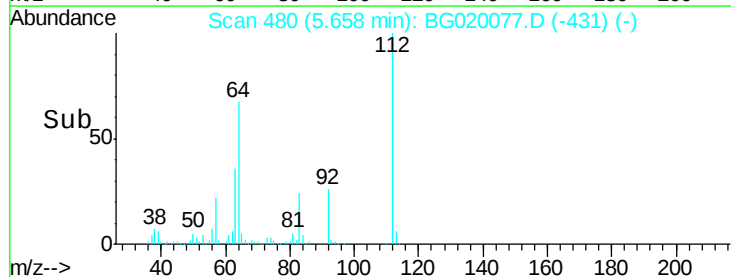
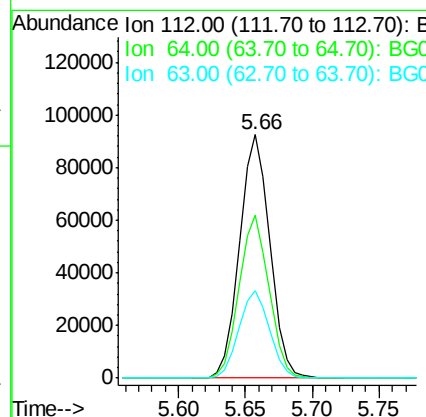
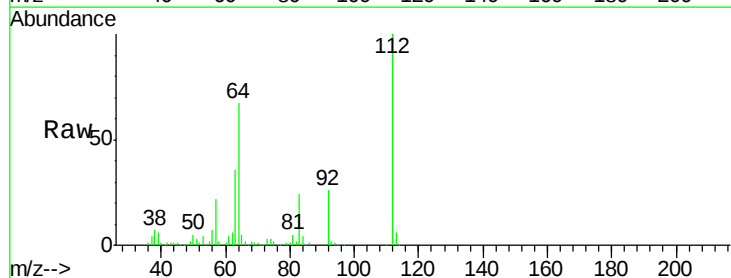
Tgt Ion:152 Resp: 19074  
 Ion Ratio Lower Upper  
 152 100  
 150 150.5 115.0 172.4  
 115 59.7 43.9 65.9

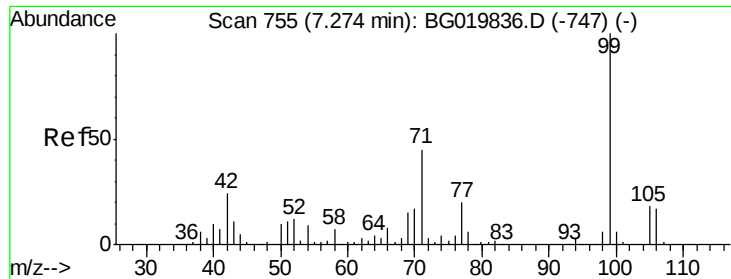


#5

2-Fluorophenol  
 Concen: 137.81 ng  
 RT: 5.66 min Scan# 480  
 Delta R.T. -0.01 min  
 Lab File: BG020077.D  
 Acq: 10 Dec 2015 15:59

Tgt Ion:112 Resp: 145439  
 Ion Ratio Lower Upper  
 112 100  
 64 66.8 43.7 65.5#  
 63 35.7 24.0 36.0





#7

Phenol-d6

Concen: 137.61 ng

RT: 7.26 min Scan# 753

Delta R.T. -0.01 min

Lab File: BG020077.D

Acq: 10 Dec 2015 15:59

Instrument :

BNA\_F

ClientSampleId :

S9-14.5

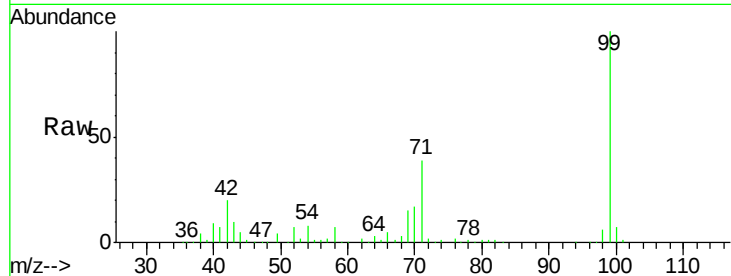
Tgt Ion: 99 Resp: 219278

Ion Ratio Lower Upper

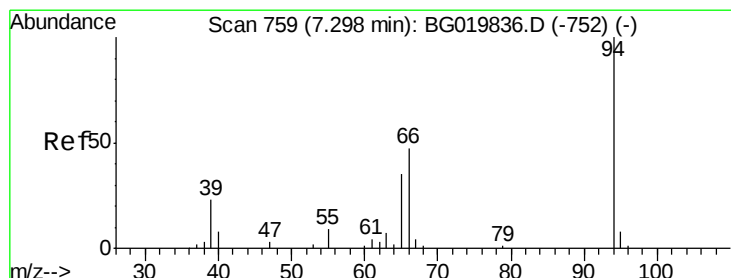
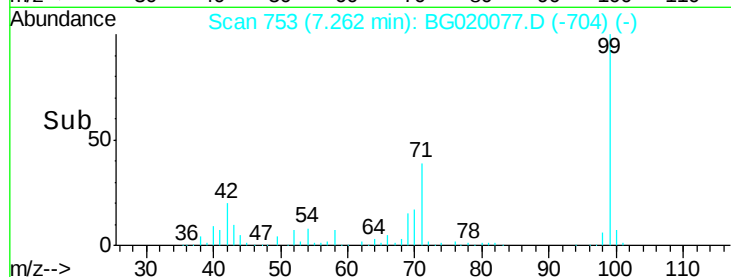
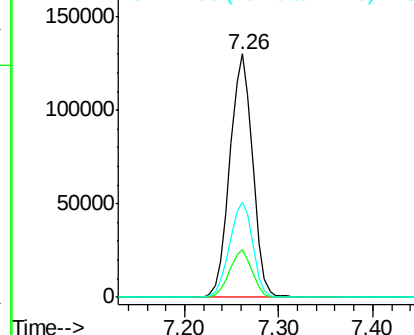
99 100

42 19.8 11.5 17.3#

71 39.3 22.6 34.0#



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



#10

Phenol

Concen: 2.24 ng

RT: 7.29 min Scan# 757

Delta R.T. -0.01 min

Lab File: BG020077.D

Acq: 10 Dec 2015 15:59

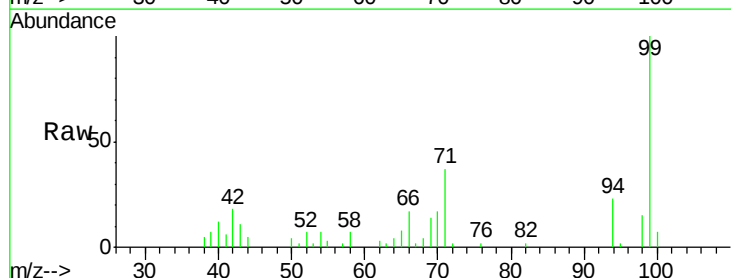
Tgt Ion: 94 Resp: 3758

Ion Ratio Lower Upper

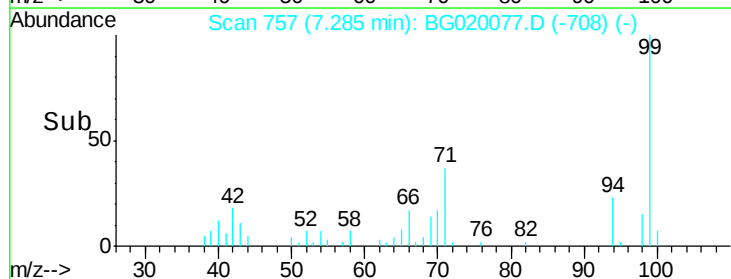
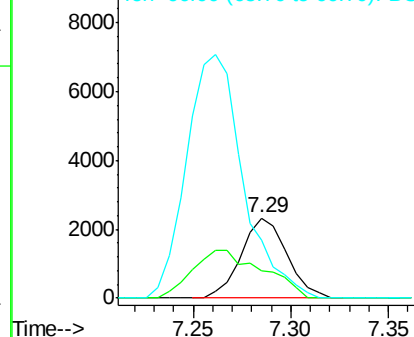
94 100

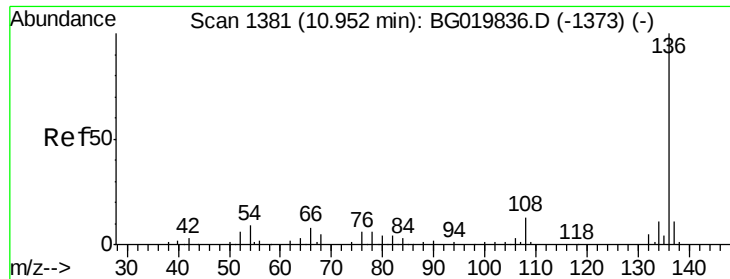
65 34.4 5.4 45.4

66 72.7 11.8 51.8#



Abundance Ion 94.00 (93.70 to 94.70): BGC  
Ion 65.00 (64.70 to 65.70): BGC  
Ion 66.00 (65.70 to 66.70): BGC

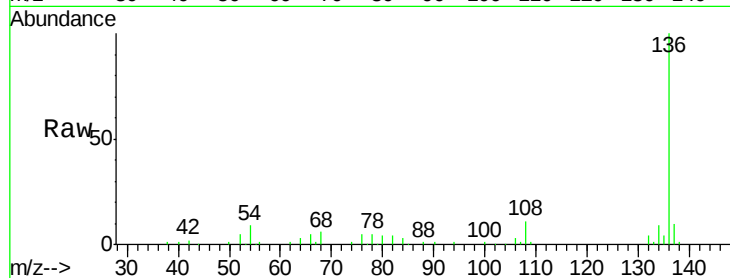




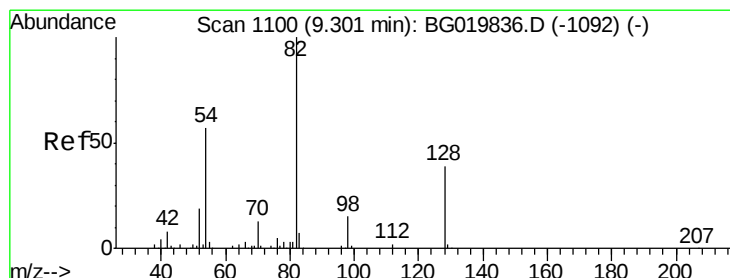
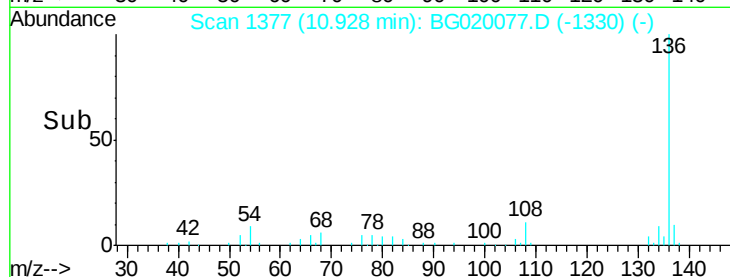
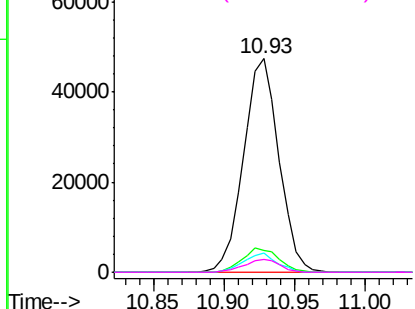
#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 10.93 min Scan# 1377  
Delta R.T. -0.02 min  
Lab File: BG020077.D  
Acq: 10 Dec 2015 15:59

Instrument :  
BNA\_F  
ClientSampleId :  
S9-14.5

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 136   | Resp: | 82943 |
| Ion      | Ratio | Lower | Upper |
| 136      | 100   |       |       |
| 137      | 10.5  | 8.6   | 12.8  |
| 54       | 8.9   | 5.4   | 8.2#  |
| 68       | 6.0   | 5.3   | 7.9   |

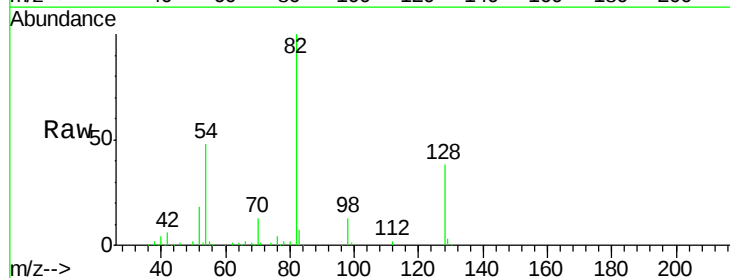


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BG  
Ion 68.00 (67.70 to 68.70): BG

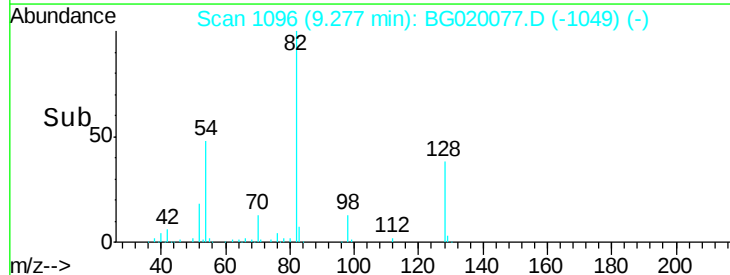
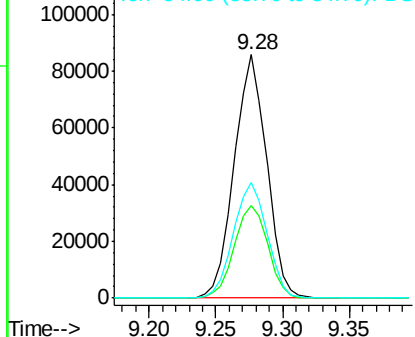


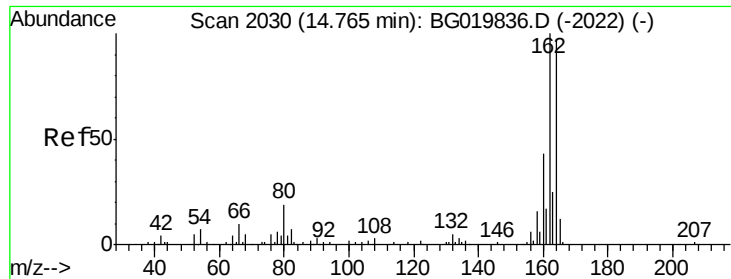
#23  
Nitrobenzene-d5  
Concen: 88.84 ng  
RT: 9.28 min Scan# 1096  
Delta R.T. -0.02 min  
Lab File: BG020077.D  
Acq: 10 Dec 2015 15:59

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 144384 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 38.0  | 36.7  | 55.1   |
| 54       | 47.6  | 33.8  | 50.8   |



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

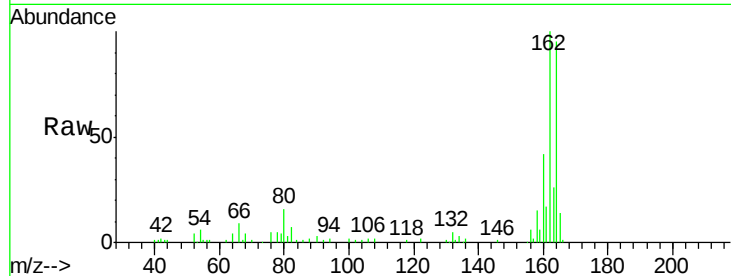




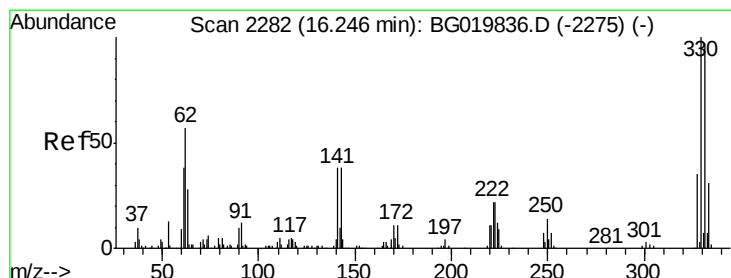
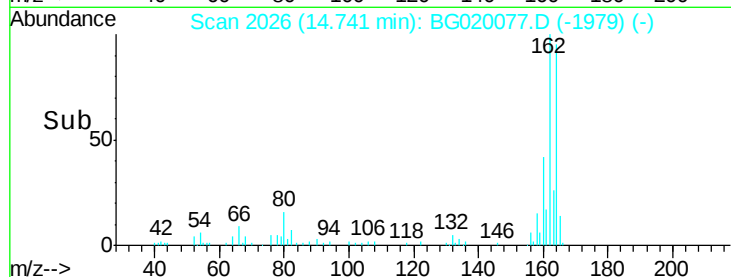
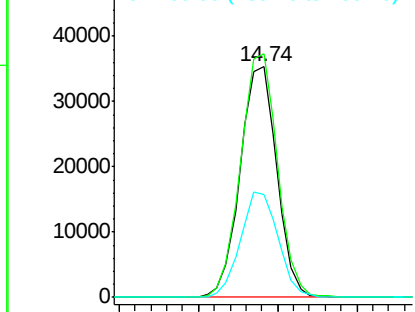
#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 14.74 min Scan# 2026  
Delta R.T. -0.02 min  
Lab File: BG020077.D  
Acq: 10 Dec 2015 15:59

Instrument :  
BNA\_F  
ClientSampleId :  
S9-14.5

Tgt Ion:164 Resp: 56720  
Ion Ratio Lower Upper  
164 100  
162 105.6 78.8 118.2  
160 44.7 36.4 54.6

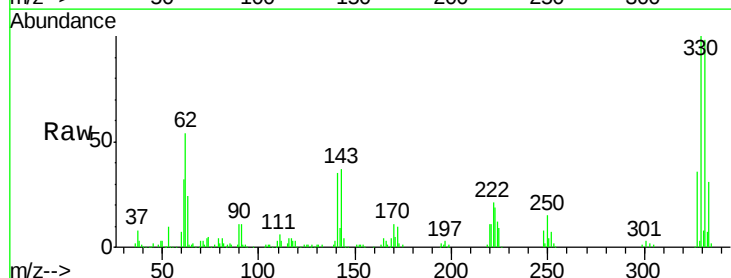


Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

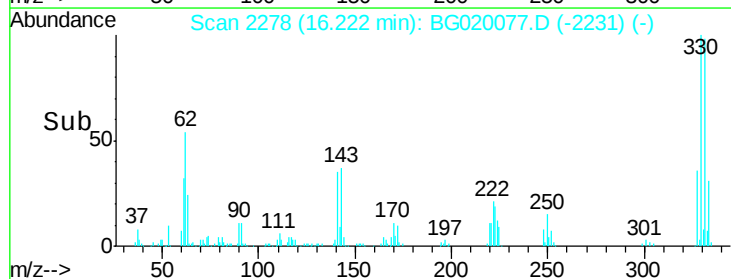
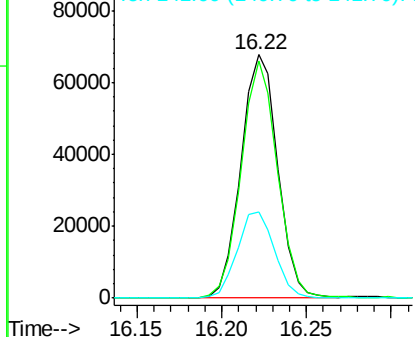


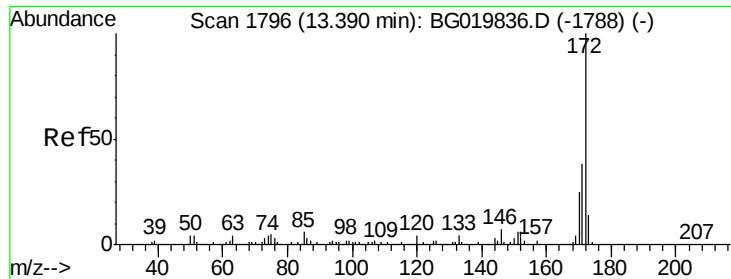
#41  
2,4,6-Tribromophenol  
Concen: 118.43 ng  
RT: 16.22 min Scan# 2278  
Delta R.T. -0.02 min  
Lab File: BG020077.D  
Acq: 10 Dec 2015 15:59

Tgt Ion:330 Resp: 102784  
Ion Ratio Lower Upper  
330 100  
332 96.0 78.1 117.1  
141 35.9 28.2 42.2



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

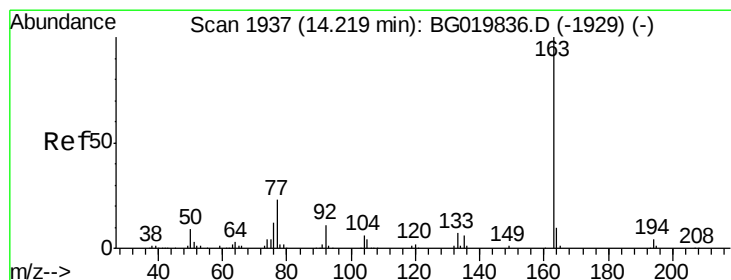
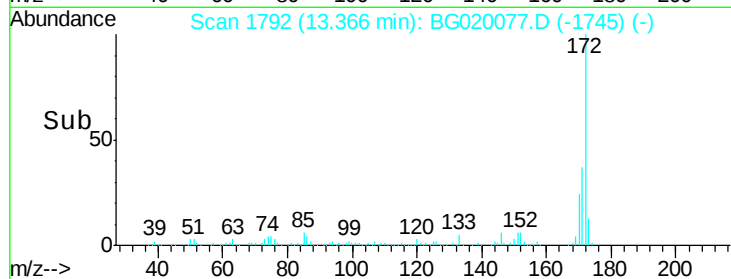
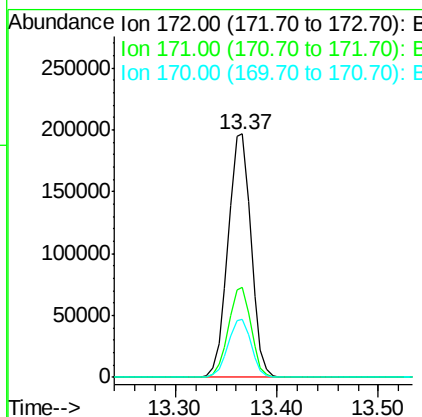
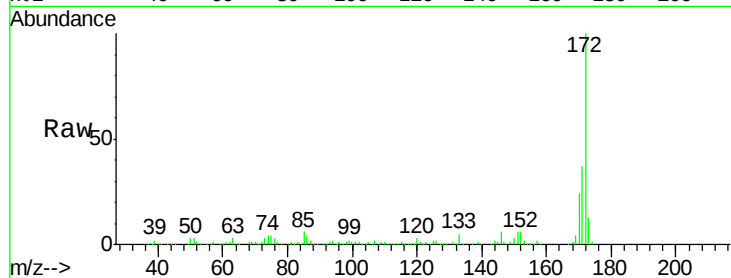




#44  
2-Fluorobiphenyl  
Concen: 74.66 ng  
RT: 13.37 min Scan# 1792  
Delta R.T. -0.02 min  
Lab File: BG020077.D  
Acq: 10 Dec 2015 15:59

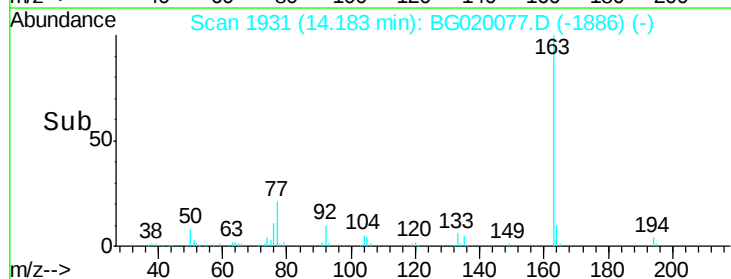
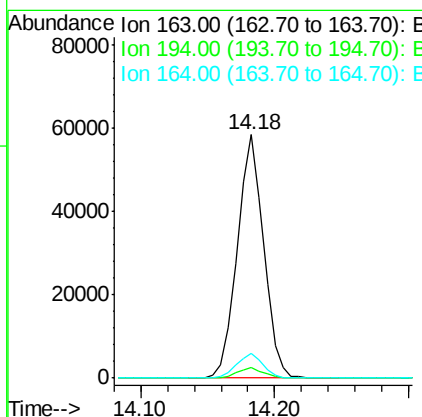
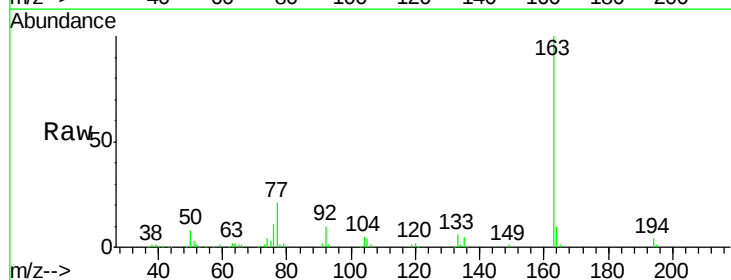
Instrument :  
BNA\_F  
ClientSampled :  
S9-14.5

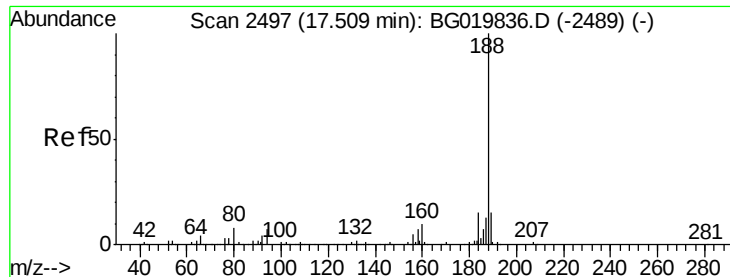
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 37.0  | 29.0  | 43.6  |
| 170     | 23.7  | 19.9  | 29.9  |



#49  
Dimethylphthalate  
Concen: 15.68 ng  
RT: 14.18 min Scan# 1931  
Delta R.T. -0.04 min  
Lab File: BG020077.D  
Acq: 10 Dec 2015 15:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 4.3   | 3.1   | 4.7   |
| 164     | 10.1  | 8.8   | 13.2  |

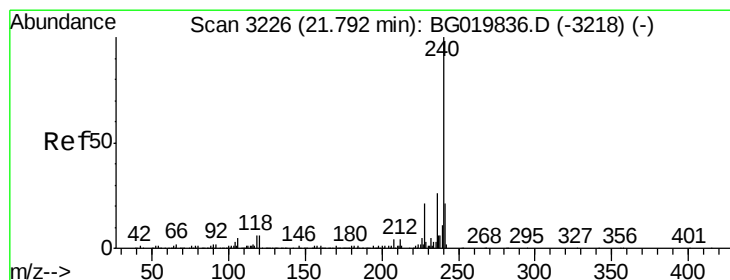
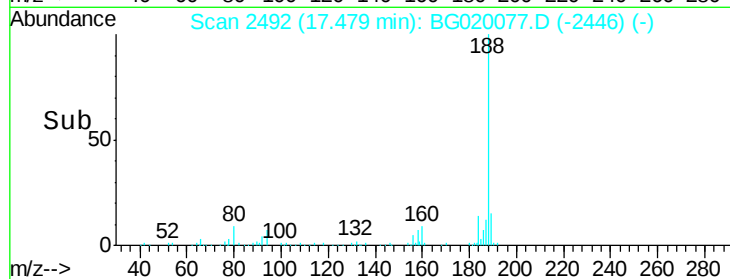
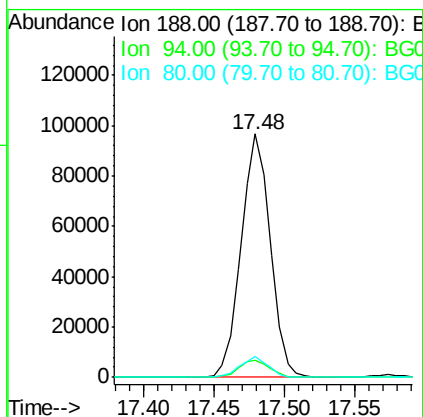
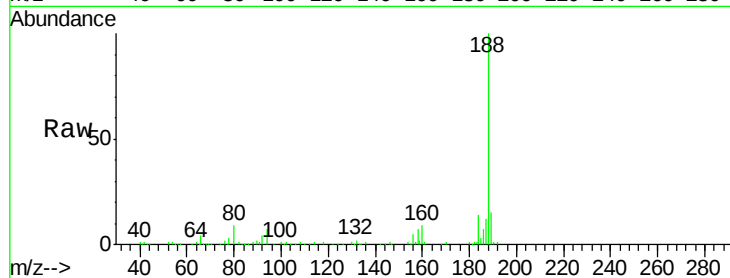




#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.48 min Scan# 2492  
Delta R.T. -0.03 min  
Lab File: BG020077.D  
Acq: 10 Dec 2015 15:59

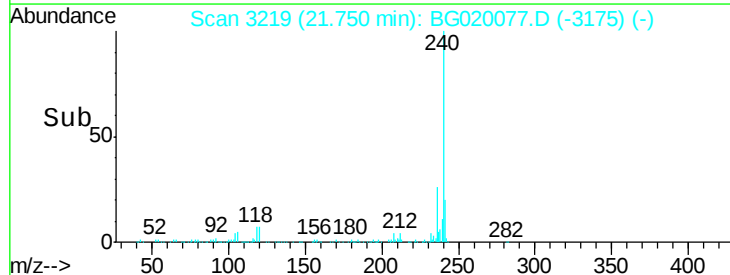
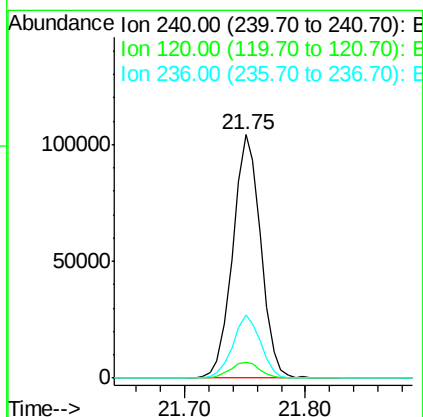
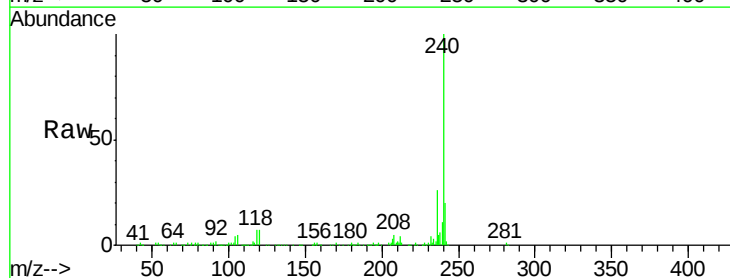
Instrument :  
BNA\_F  
ClientSampleId :  
S9-14.5

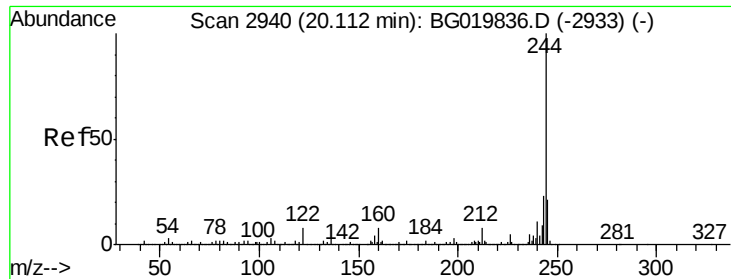
Tgt Ion:188 Resp: 139585  
Ion Ratio Lower Upper  
188 100  
94 7.1 7.7 11.5#  
80 8.7 7.8 11.8



#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 21.75 min Scan# 3219  
Delta R.T. -0.04 min  
Lab File: BG020077.D  
Acq: 10 Dec 2015 15:59

Tgt Ion:240 Resp: 167730  
Ion Ratio Lower Upper  
240 100  
120 6.6 7.4 11.0#  
236 25.9 20.7 31.1





#78

Terphenyl-d14

Concen: 75.35 ng

RT: 20.08 min Scan# 2935

Delta R.T. -0.03 min

Lab File: BG020077.D

Acq: 10 Dec 2015 15:59

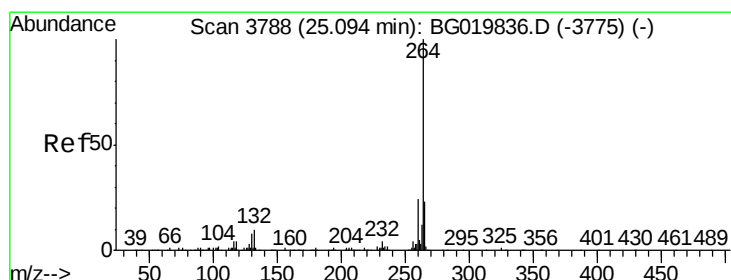
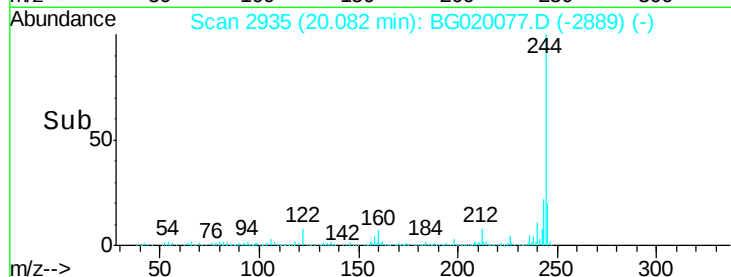
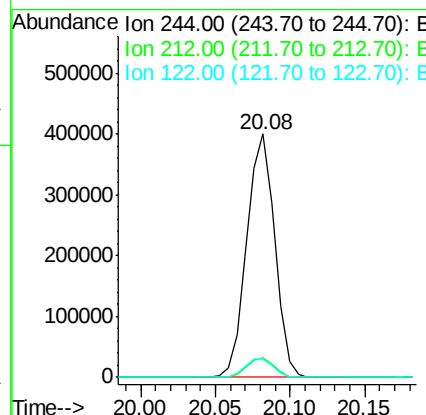
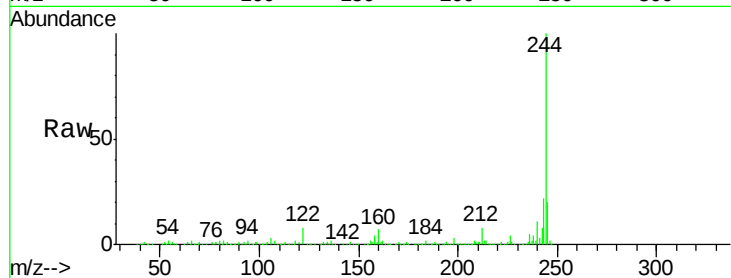
Instrument :

BNA\_F

ClientSampled :

S9-14.5

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 244   | Resp: | 518127 |
| Ion      | Ratio | Lower | Upper  |
| 244      | 100   |       |        |
| 212      | 7.8   | 6.9   | 10.3   |
| 122      | 7.8   | 10.2  | 15.2#  |



#86

Perylene-d12

Concen: 20.00 ng

RT: 25.03 min Scan# 3777

Delta R.T. -0.07 min

Lab File: BG020077.D

Acq: 10 Dec 2015 15:59

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 264   | Resp: | 158291 |
| Ion      | Ratio | Lower | Upper  |
| 264      | 100   |       |        |
| 260      | 24.0  | 18.5  | 27.7   |
| 265      | 21.5  | 17.2  | 25.8   |

