

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_G\DATA\BG052920\  
 Data File : BG045536.D  
 Acq On : 30 May 2020 2:02  
 Operator : CG/JU  
 Sample : PB129185BL  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB129185BL

Quant Time: May 30 06:40:21 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG051520.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri May 29 11:17:45 2020  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.95  | 152  | 64883    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.76 | 136  | 265145   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.59 | 164  | 201030   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.34 | 188  | 474882   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12            | 21.60 | 240  | 468691   | 20.00  | ng    | 0.00     |
| 87) Perylene-d12            | 24.75 | 264  | 486952   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.54  | 112  | 453855   | 136.70 | ng    | 0.00     |
| 7) Phenol-d6                | 7.15  | 99   | 660160   | 139.71 | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 9.11  | 82   | 478386   | 98.39  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 16.09 | 330  | 388093   | 150.95 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.22 | 172  | 1166669  | 98.44  | ng    | 0.00     |
| 79) Terphenyl-d14           | 19.96 | 244  | 2007342  | 99.89  | ng    | 0.00     |

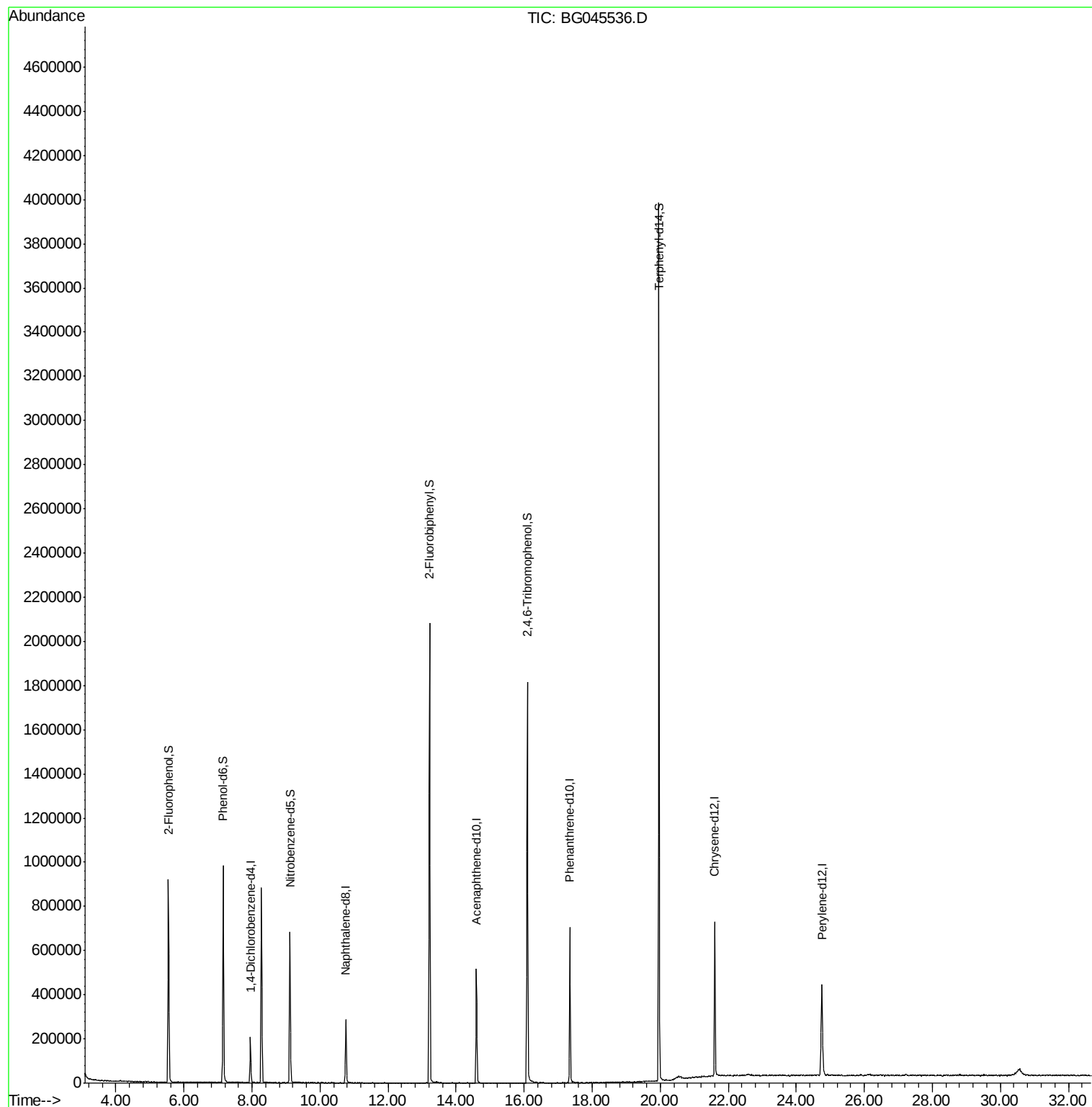
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

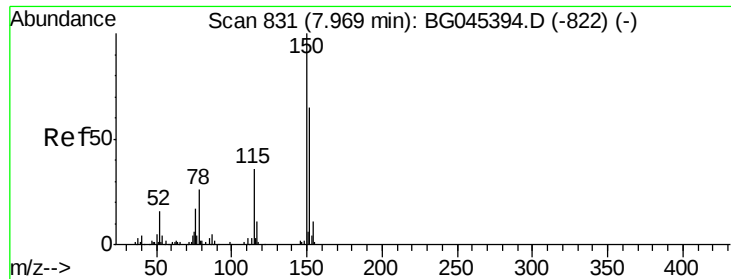
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri May 29 11:17:45 2020  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.95 min Scan# 828

Delta R.T. -0.01 min

Lab File: BG045536.D

Acq: 30 May 2020 2:02

Instrument :

BNA\_G

ClientSampleId :

PB129185BL

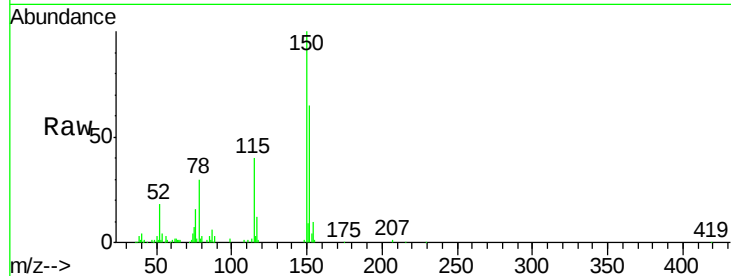
Tgt Ion:152 Resp: 64883

Ion Ratio Lower Upper

152 100

150 154.6 122.4 183.6

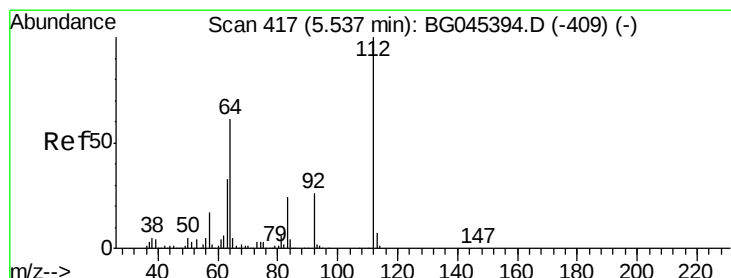
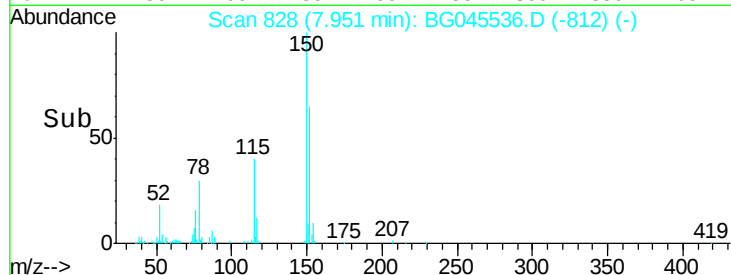
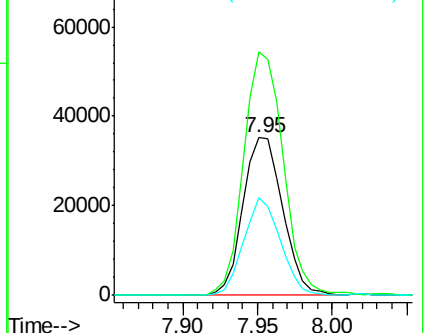
115 61.8 44.2 66.4



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: 136.70 ng

RT: 5.54 min Scan# 418

Delta R.T. -0.01 min

Lab File: BG045536.D

Acq: 30 May 2020 2:02

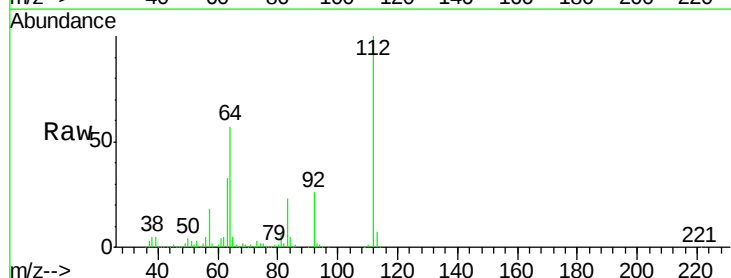
Tgt Ion:112 Resp: 453855

Ion Ratio Lower Upper

112 100

64 57.0 48.6 72.8

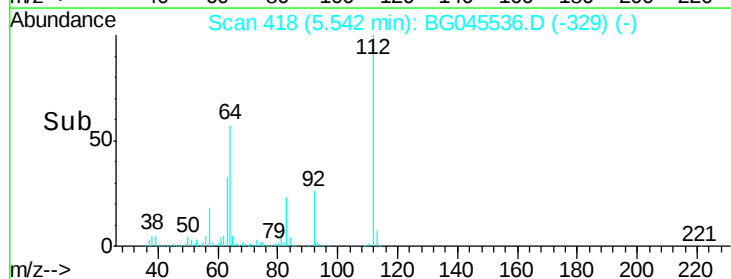
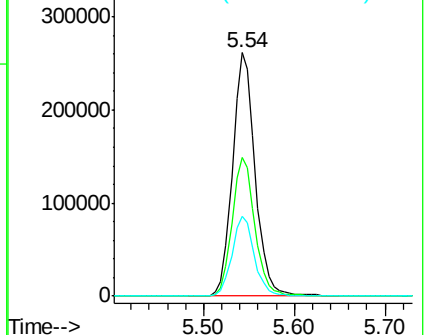
63 33.0 26.5 39.7

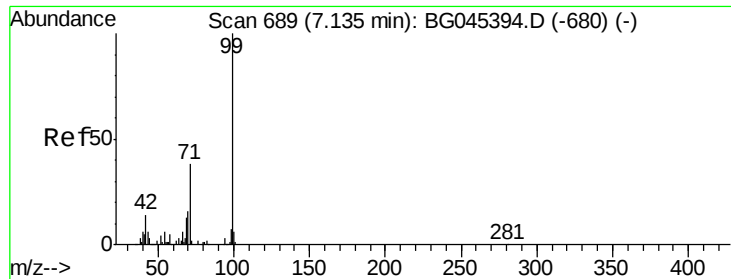


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 139.71 ng

RT: 7.15 min Scan# 692

Delta R.T. -0.01 min

Lab File: BG045536.D

Acq: 30 May 2020 2:02

Instrument :

BNA\_G

ClientSampleId :

PB129185BL

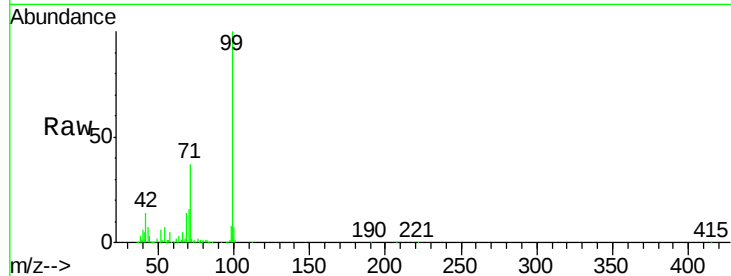
Tgt Ion: 99 Resp: 660160

Ion Ratio Lower Upper

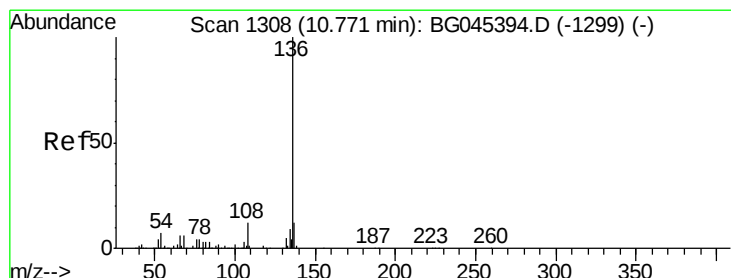
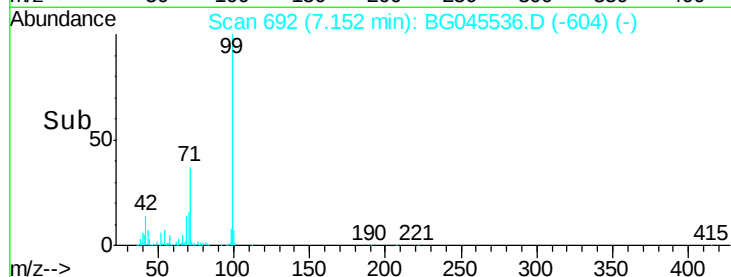
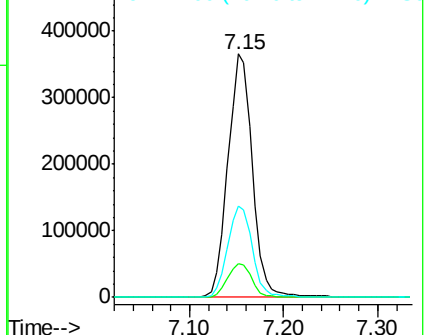
99 100

42 13.7 11.3 16.9

71 37.2 30.8 46.2



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: 20.00 ng

RT: 10.76 min Scan# 1306

Delta R.T. -0.01 min

Lab File: BG045536.D

Acq: 30 May 2020 2:02

Tgt Ion: 136 Resp: 265145

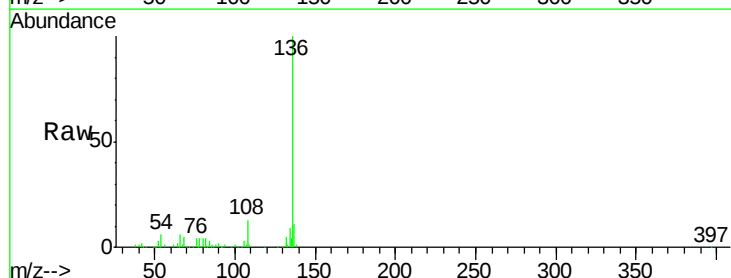
Ion Ratio Lower Upper

136 100

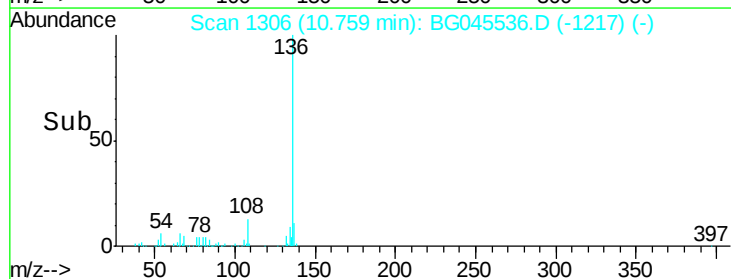
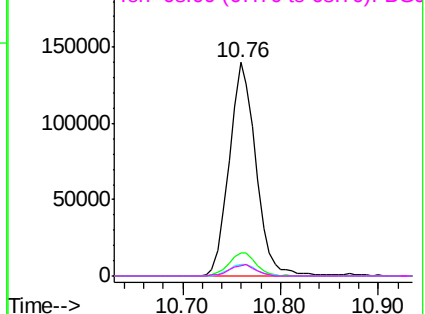
137 10.6 9.4 14.2

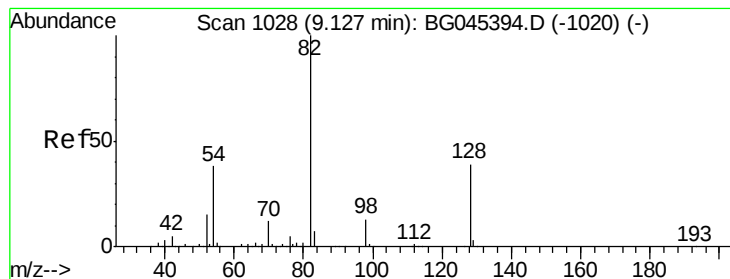
54 5.7 5.8 8.6#

68 4.9 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: 98.39 ng

RT: 9.11 min Scan# 1026

Delta R.T. -0.00 min

Lab File: BG045536.D

Acq: 30 May 2020 2:02

Instrument :

BNA\_G

ClientSampleId :

PB129185BL

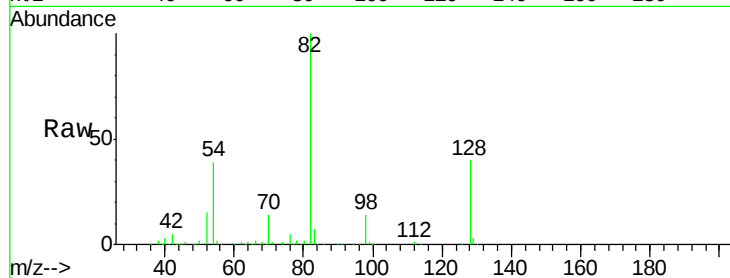
Tgt Ion: 82 Resp: 478386

Ion Ratio Lower Upper

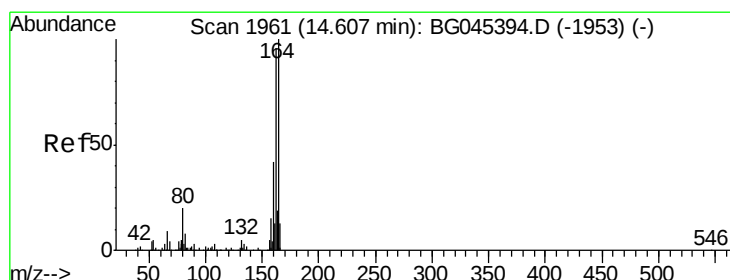
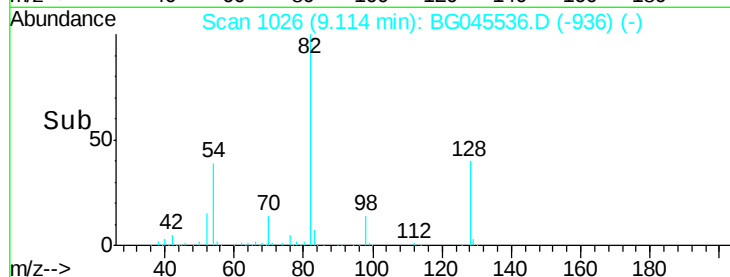
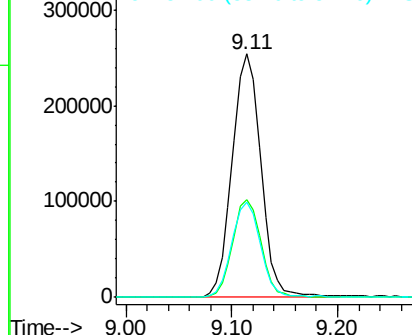
82 100

128 39.9 30.9 46.3

54 39.1 30.3 45.5



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: 20.00 ng

RT: 14.59 min Scan# 1959

Delta R.T. -0.01 min

Lab File: BG045536.D

Acq: 30 May 2020 2:02

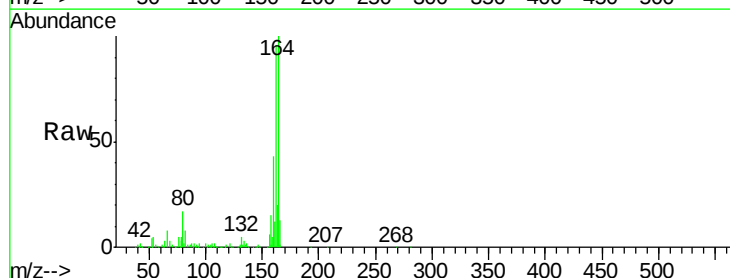
Tgt Ion: 164 Resp: 201030

Ion Ratio Lower Upper

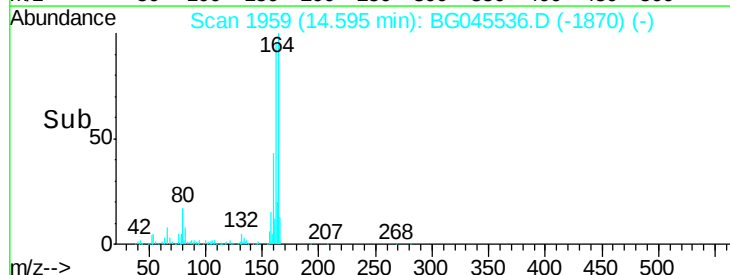
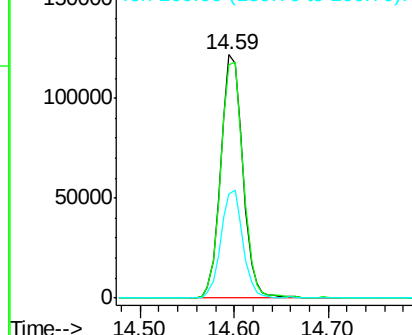
164 100

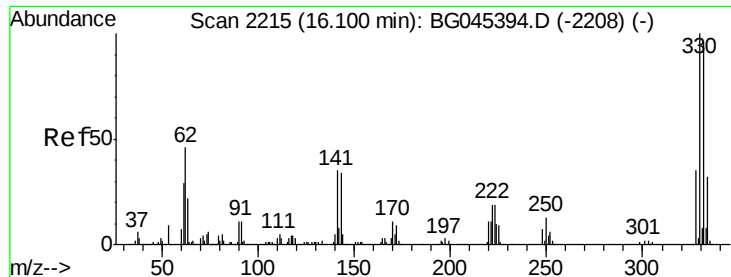
162 96.0 76.9 115.3

160 42.5 33.8 50.8



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: 150.95 ng

RT: 16.09 min Scan# 2214

Delta R.T. -0.00 min

Lab File: BG045536.D

Acq: 30 May 2020 2:02

Instrument :

BNA\_G

ClientSampleId :

PB129185BL

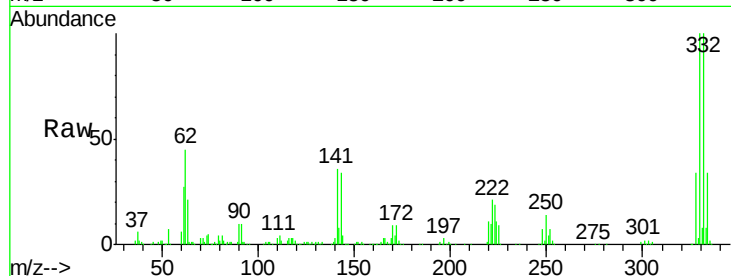
Tgt Ion:330 Resp: 388093

Ion Ratio Lower Upper

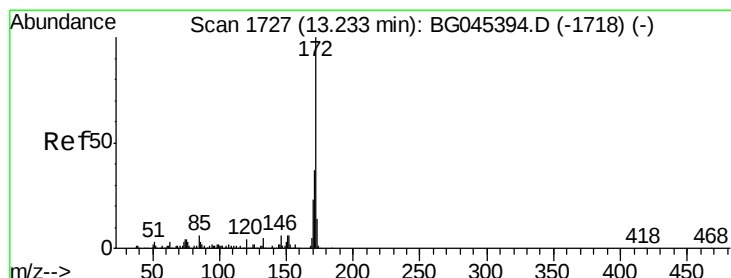
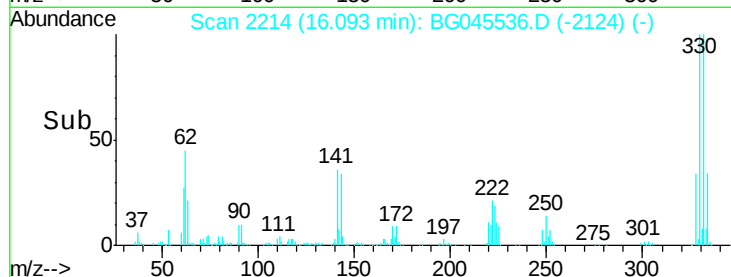
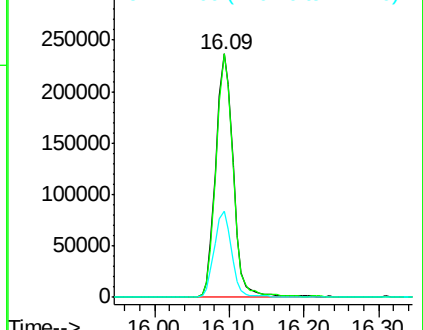
330 100

332 97.3 78.2 117.4

141 34.5 28.2 42.4



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



#45

2-Fluorobiphenyl

Concen: 98.44 ng

RT: 13.22 min Scan# 1725

Delta R.T. -0.00 min

Lab File: BG045536.D

Acq: 30 May 2020 2:02

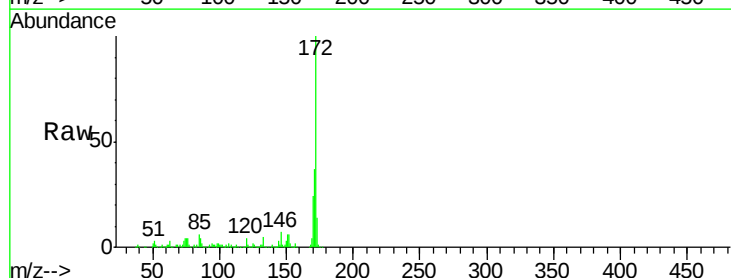
Tgt Ion:172 Resp: 1166669

Ion Ratio Lower Upper

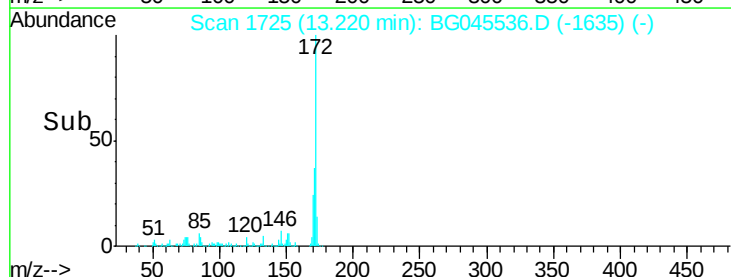
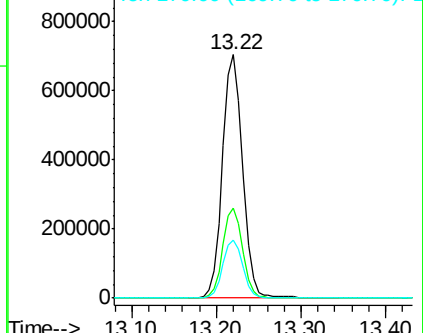
172 100

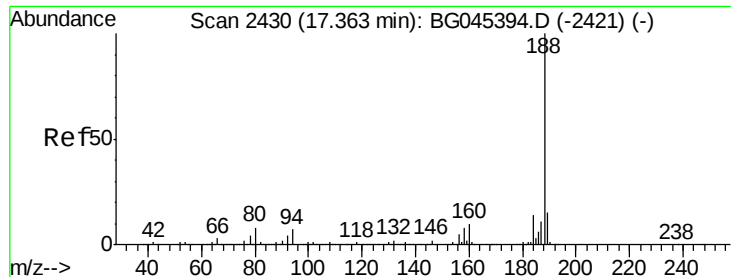
171 36.9 29.5 44.3

170 23.8 18.5 27.7



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





#64

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.34 min Scan# 2427

Delta R.T. -0.00 min

Lab File: BG045536.D

Acq: 30 May 2020 2:02

Instrument :

BNA\_G

ClientSampleId :

PB129185BL

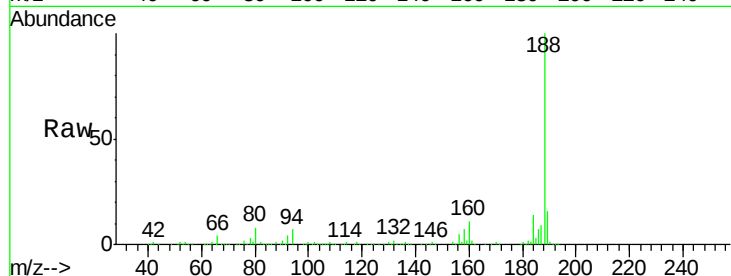
Tgt Ion:188 Resp: 474882

Ion Ratio Lower Upper

188 100

94 7.5 5.5 8.3

80 7.9 6.6 10.0



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

400000

300000

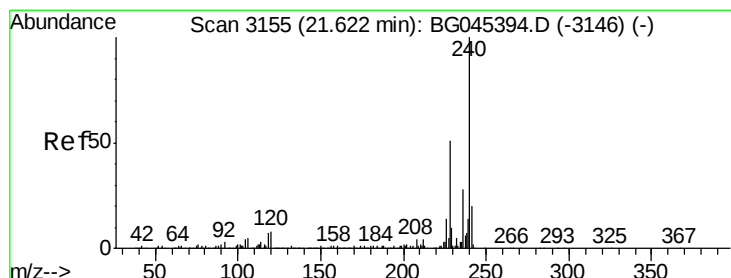
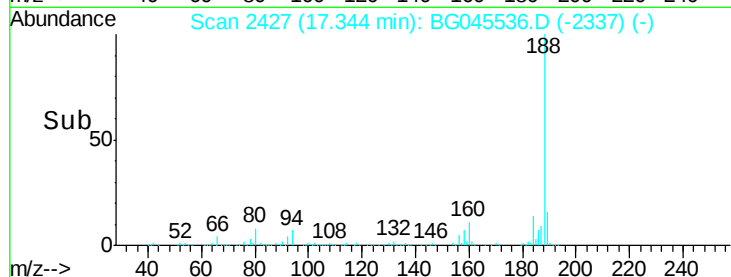
200000

100000

0

17.30 17.34 17.40

Time-->



#76

Chrysene-d12

Concen: 20.00 ng

RT: 21.60 min Scan# 3152

Delta R.T. -0.01 min

Lab File: BG045536.D

Acq: 30 May 2020 2:02

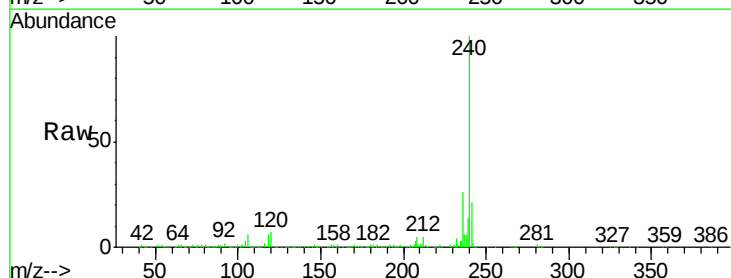
Tgt Ion:240 Resp: 468691

Ion Ratio Lower Upper

240 100

120 7.1 6.1 9.1

236 26.4 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

300000

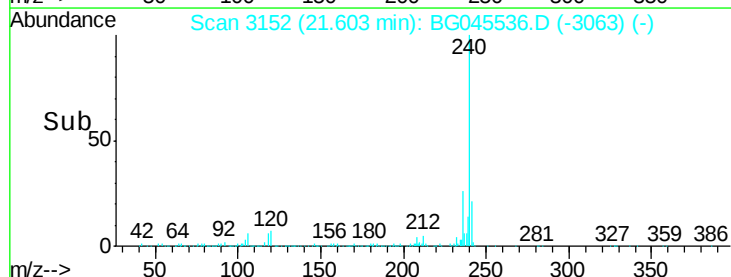
200000

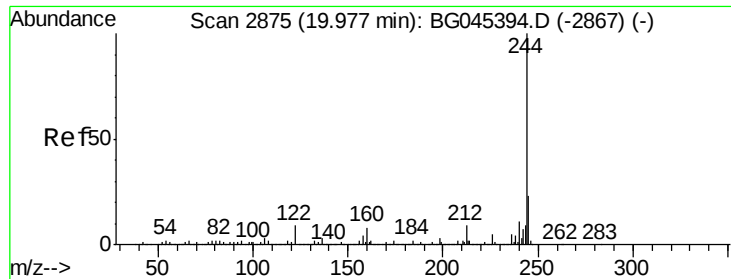
100000

0

21.50 21.60 21.70

Time-->





#79

Terphenyl-d14

Concen: 99.89 ng

RT: 19.96 min Scan# 2873

Delta R.T. 0.00 min

Lab File: BG045536.D

Acq: 30 May 2020 2:02

Instrument :

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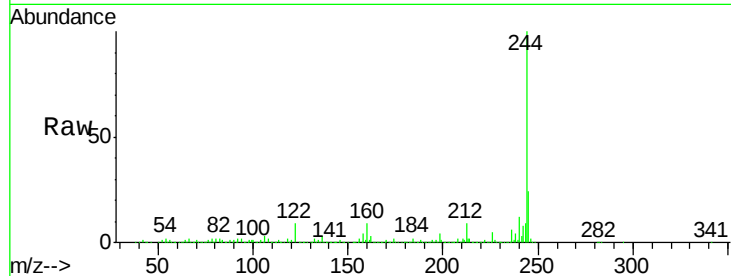
Tgt Ion:244 Resp: 2007342

Ion Ratio Lower Upper

244 100

212 9.5 7.4 11.0

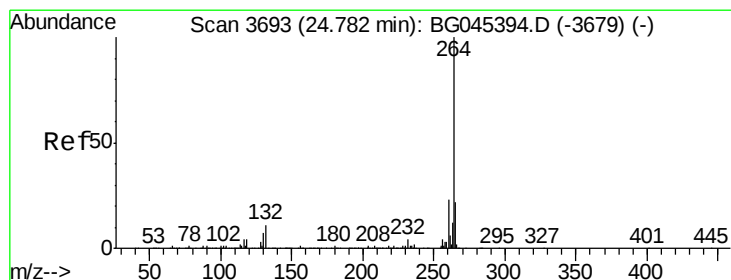
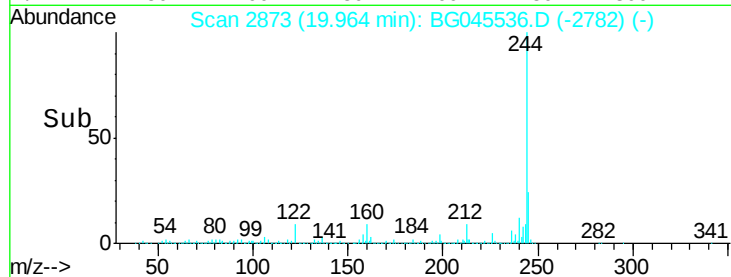
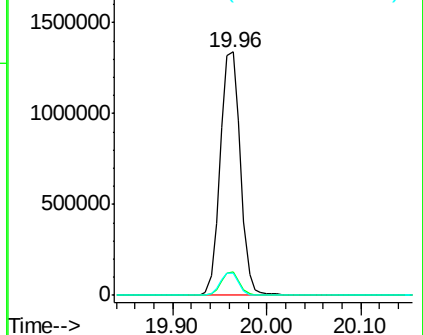
122 8.9 6.8 10.2



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: 20.00 ng

RT: 24.75 min Scan# 3688

Delta R.T. -0.00 min

Lab File: BG045536.D

Acq: 30 May 2020 2:02

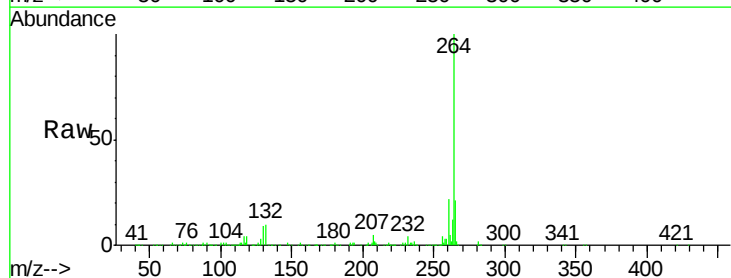
Tgt Ion:264 Resp: 486952

Ion Ratio Lower Upper

264 100

260 22.2 18.2 27.4

265 20.9 17.6 26.4



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

