

Data Path : Z:\svoasrv\HPCHEM1\BNA F\Data\BF052020\  
 Data File : BF120371.D  
 Acq On : 20 May 2020 15:58  
 Operator : MA/SJ  
 Sample : PB129015TB  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB129015TB

Quant Time: May 20 16:37:01 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051420.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed May 20 13:33:43 2020  
 Response via : Initial Calibration

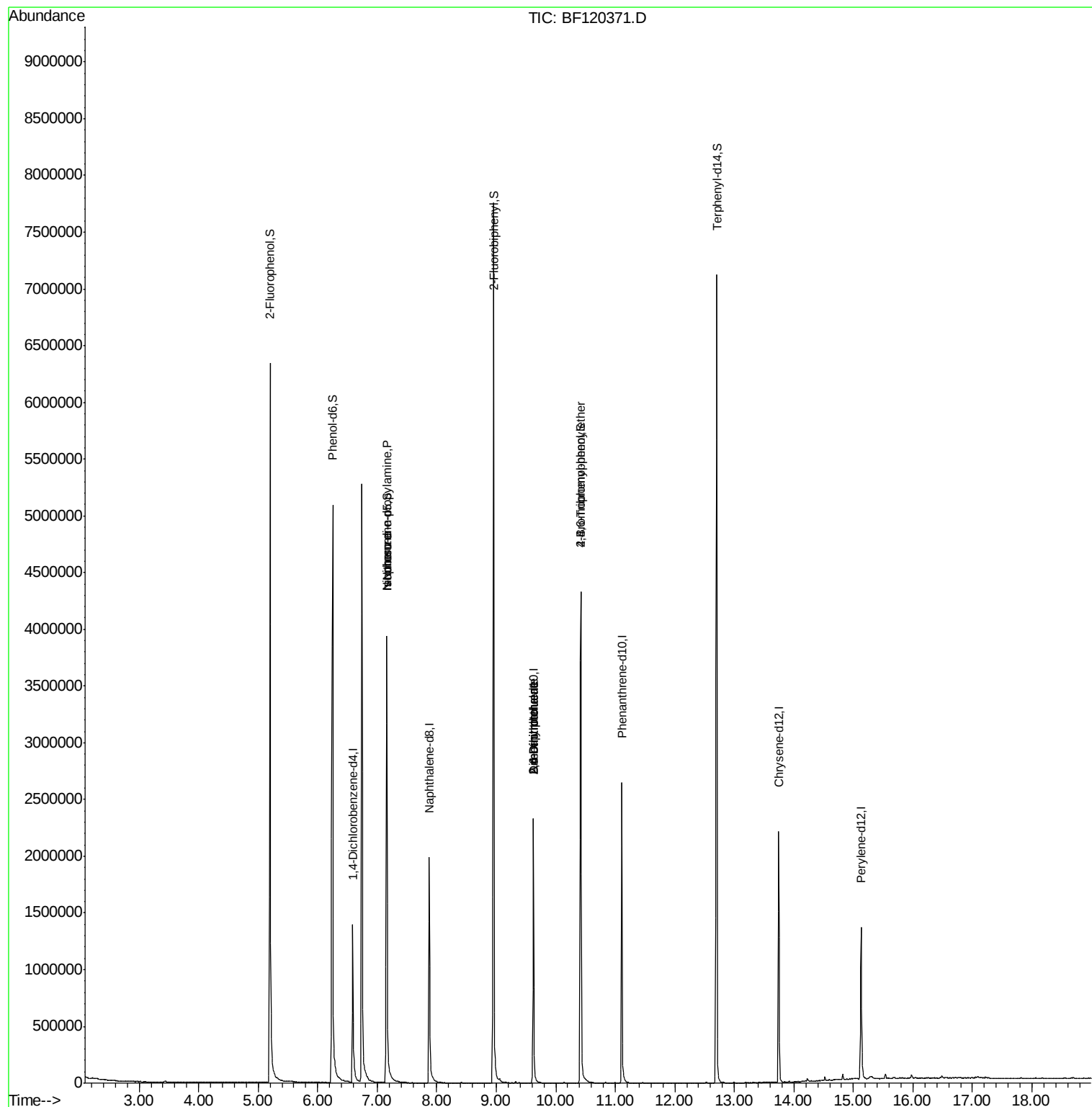
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.59  | 152  | 289047   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 7.87  | 136  | 1184880  | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10           | 9.63  | 164  | 566737   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10           | 11.11 | 188  | 1152776  | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12               | 13.74 | 240  | 790378   | 20.00  | ng    | 0.00     |
| 87) Perylene-d12               | 15.13 | 264  | 654036   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.20  | 112  | 2063547  | 138.91 | ng    | 0.00     |
| 7) Phenol-d6                   | 6.25  | 99   | 2734044  | 145.53 | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.16  | 82   | 1713416  | 99.01  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol       | 10.42 | 330  | 667358   | 144.42 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl           | 8.96  | 172  | 3078546  | 111.60 | ng    | 0.00     |
| 79) Terphenyl-d14              | 12.70 | 244  | 3054358  | 85.37  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 19) n-Nitroso-di-n-propylamine | 7.16  | 70   | 215548   | 17.514 | ng    | # 78     |
| 25) Isophorone                 | 7.16  | 82   | 1679003  | 46.628 | ng    | # 65     |
| 50) Dimethylphthalate          | 9.63  | 163  | 121463   | 3.390  | ng    | # 1      |
| 51) 2,6-Dinitrotoluene         | 9.63  | 165  | 73852    | 9.236  | ng    | # 23     |
| 57) 2,4-Dinitrotoluene         | 9.63  | 165  | 73961    | 7.885  | ng    | # 16     |
| 67) 4-Bromophenyl-phenylether  | 10.42 | 248  | 41402    | 3.701  | ng    | # 1      |

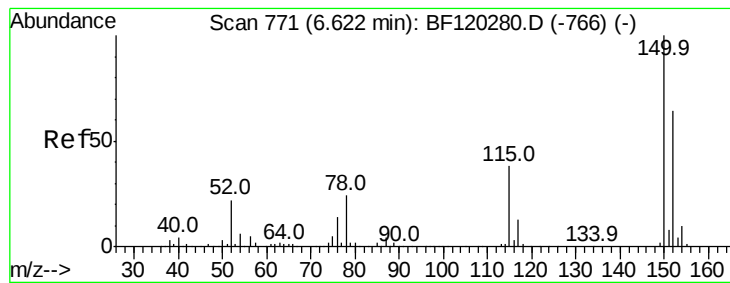
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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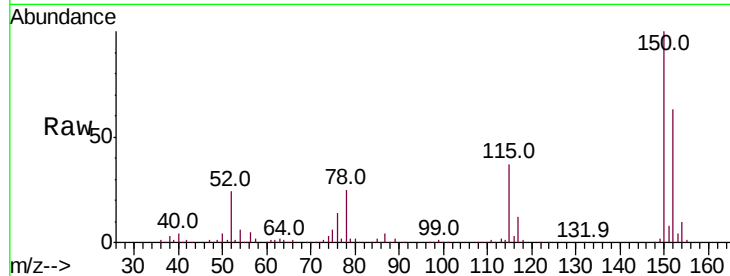


#1

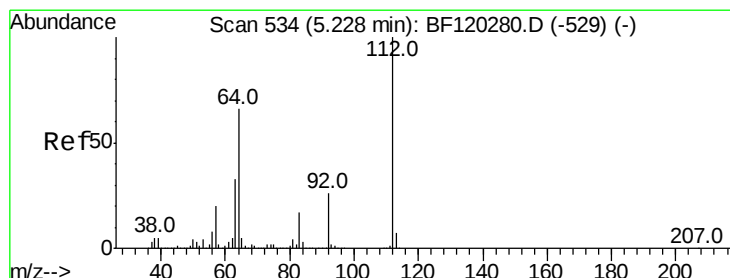
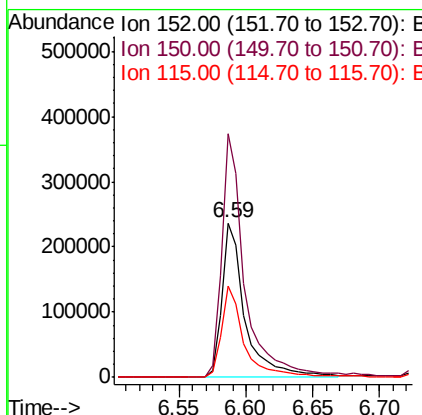
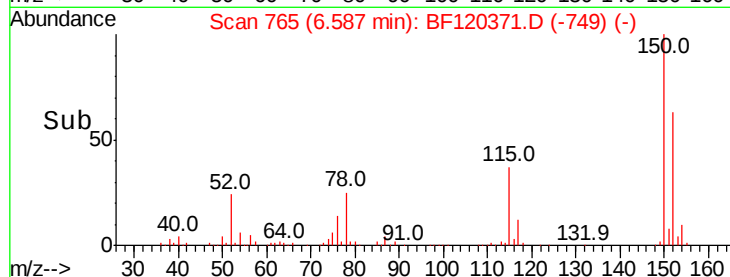
1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.59 min Scan# 765  
 Delta R.T. -0.01 min  
 Lab File: BF120371.D  
 Acq: 20 May 2020 15:58

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB129015TB

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 158.0 | 126.2 | 189.2 |
| 115     | 59.2  | 47.9  | 71.9  |



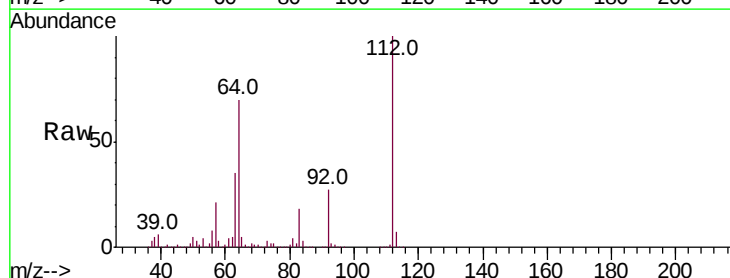
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



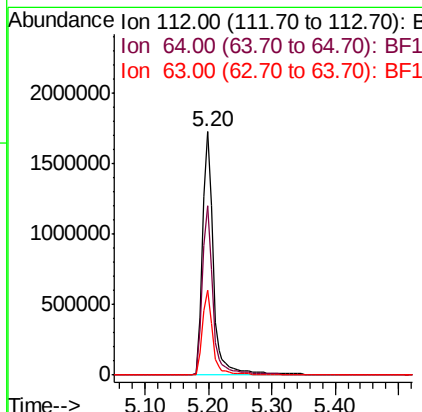
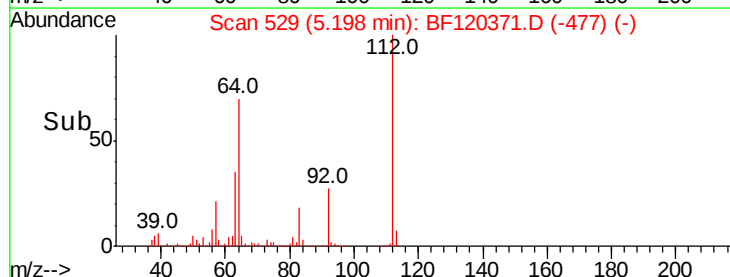
#5

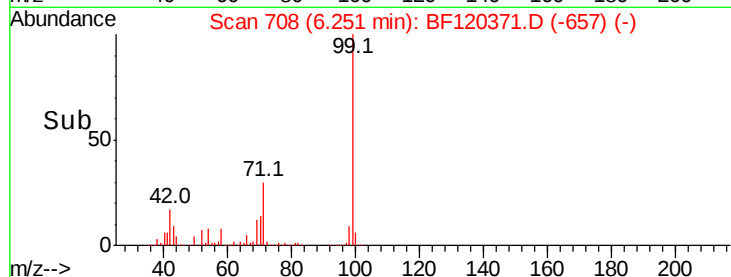
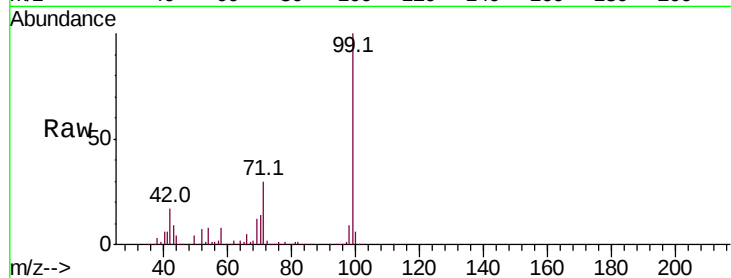
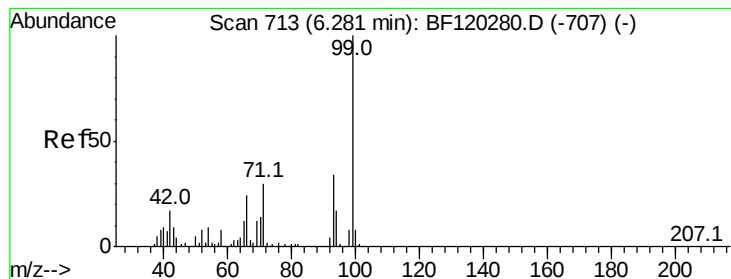
2-Fluorophenol  
 Concen: 138.907 ng  
 RT: 5.20 min Scan# 529  
 Delta R.T. 0.01 min  
 Lab File: BF120371.D  
 Acq: 20 May 2020 15:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 69.7  | 52.7  | 79.1  |
| 63      | 34.8  | 26.2  | 39.4  |



Abundance Ion 112.00 (111.70 to 112.70): E  
 Ion 64.00 (63.70 to 64.70): BF1  
 Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 145.534 ng

RT: 6.25 min Scan# 708

Delta R.T. 0.00 min

Lab File: BF120371.D

Acq: 20 May 2020 15:58

Instrument :

BNA\_M

ClientSampleId :

PB129015TB

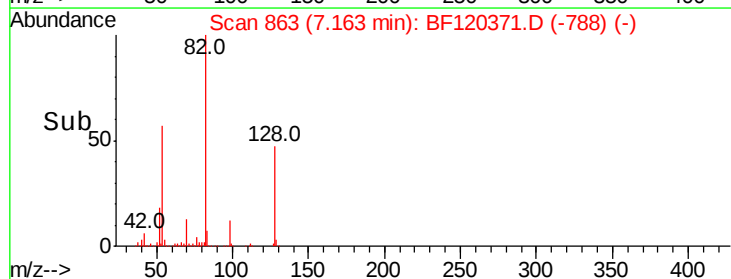
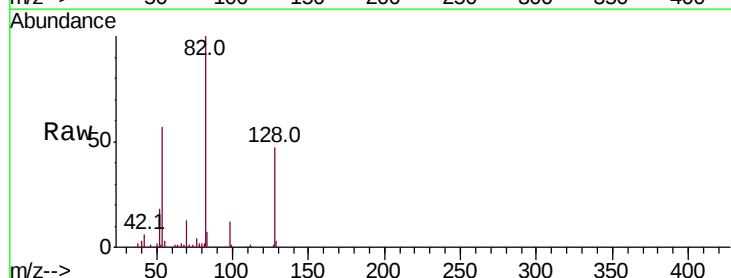
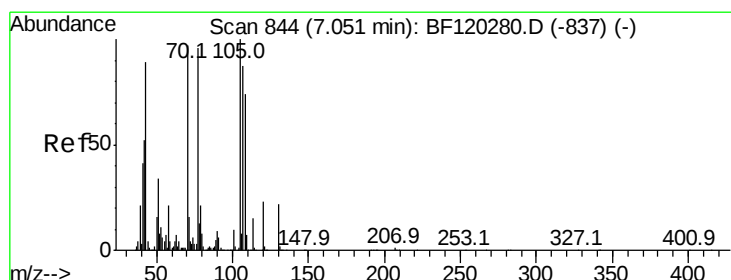
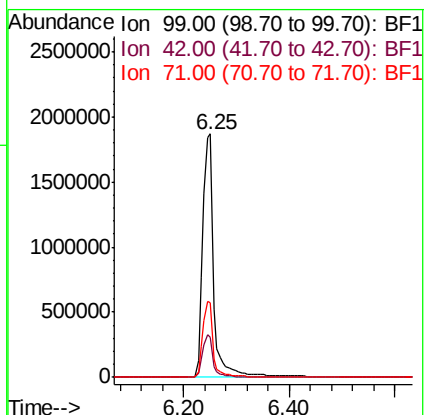
Tot Ion: 99 Resp: 2734044

Ion Ratio Lower Upper

99 100

42 16.6 13.6 20.4

71 30.5 24.2 36.4



#19

n-Nitroso-di-n-propylamine

Concen: 17.514 ng

RT: 7.16 min Scan# 863

Delta R.T. 0.14 min

Lab File: BF120371.D

Acq: 20 May 2020 15:58

Tgt Ion: 70 Resp: 215548

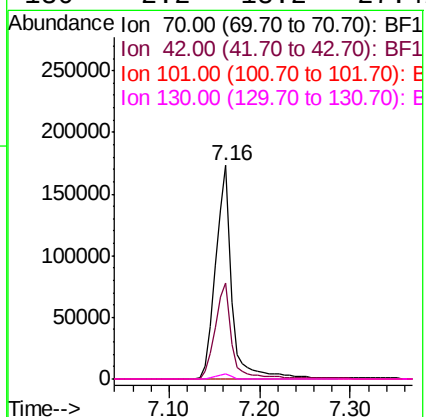
Ion Ratio Lower Upper

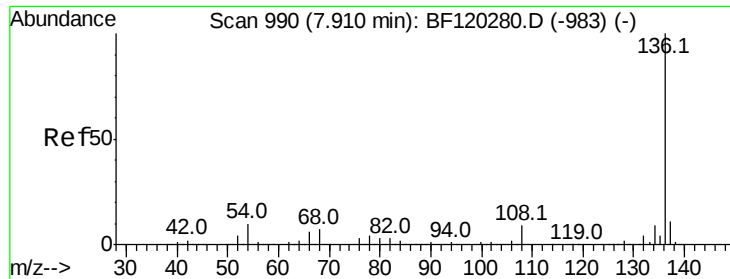
70 100

42 45.2 43.4 65.0

101 0.0 7.8 11.8#

130 2.2 18.2 27.4#

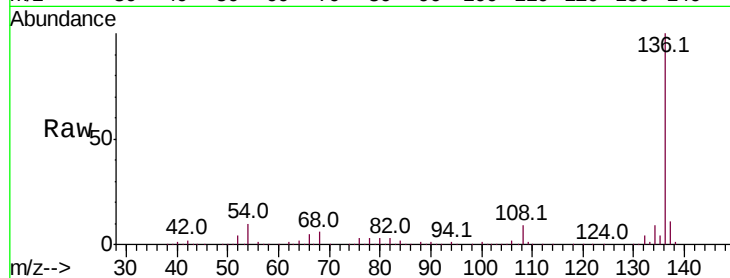




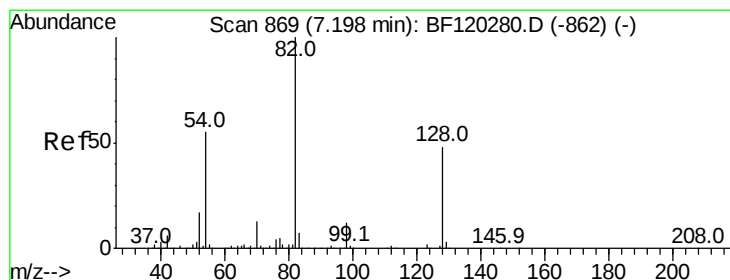
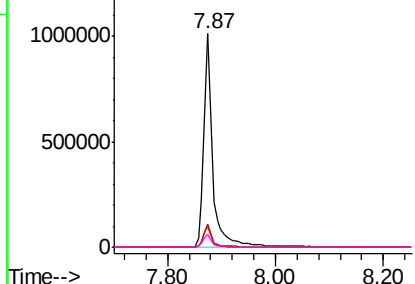
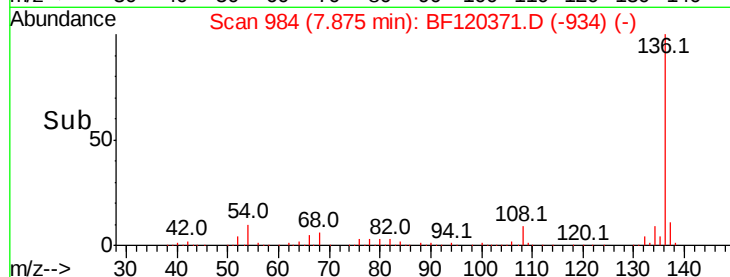
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 7.87 min Scan# 984  
Delta R.T. -0.01 min  
Lab File: BF120371.D  
Acq: 20 May 2020 15:58

Instrument :  
BNA\_M  
ClientSampleId :  
PB129015TB

Tot Ion:136 Resp: 1184880  
Ion Ratio Lower Upper  
136 100  
137 11.0 9.1 13.7  
54 9.7 7.9 11.9  
68 6.1 5.4 8.2

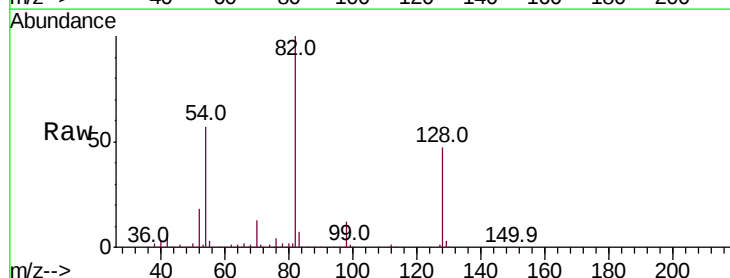


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF1  
Ion 68.00 (67.70 to 68.70): BF1

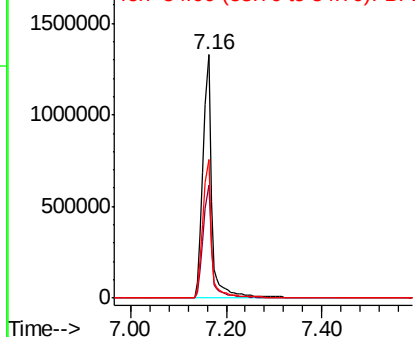
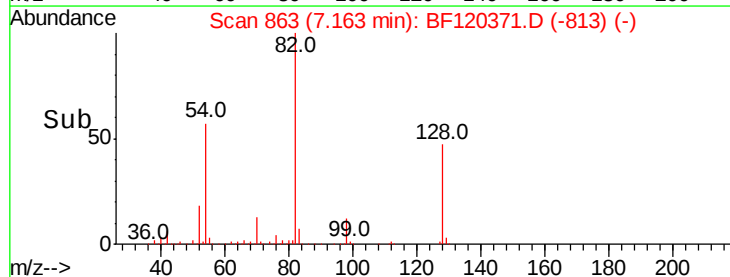


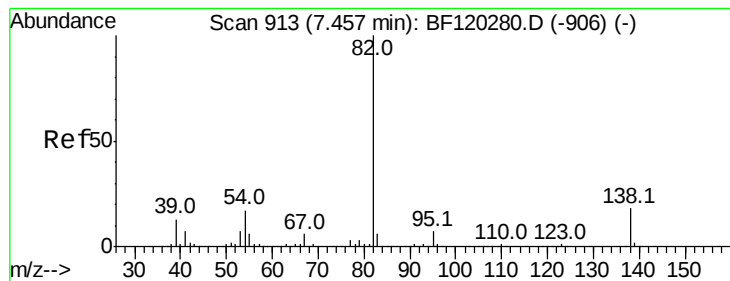
#23  
Nitrobenzene-d5  
Concen: 99.007 ng  
RT: 7.16 min Scan# 863  
Delta R.T. -0.01 min  
Lab File: BF120371.D  
Acq: 20 May 2020 15:58

Tgt Ion: 82 Resp: 1713416  
Ion Ratio Lower Upper  
82 100  
128 46.6 38.3 57.5  
54 56.9 43.9 65.9



Abundance Ion 82.00 (81.70 to 82.70): BF1  
Ion 128.00 (127.70 to 128.70): E  
Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 46.628 ng

RT: 7.16 min Scan# 863

Delta R.T. -0.26 min

Lab File: BF120371.D

Acq: 20 May 2020 15:58

Instrument :

BNA\_M

ClientSampleId :

PB129015TB

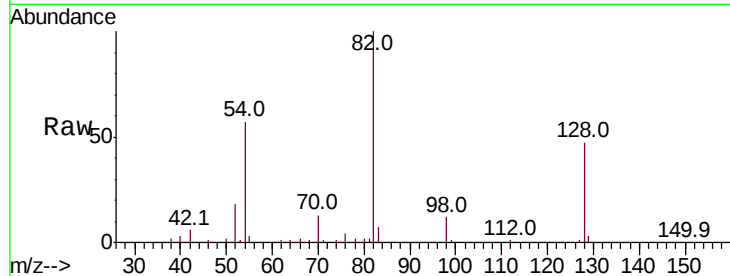
Tot Ion: 82 Resp: 1679003

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.0#

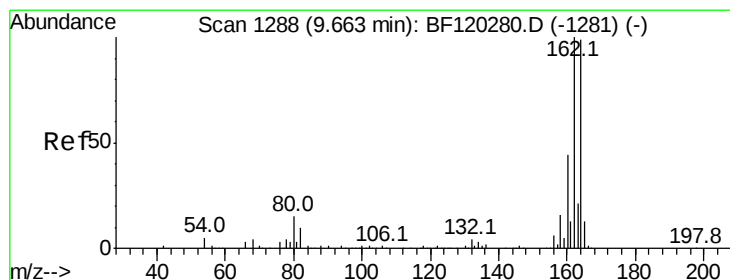
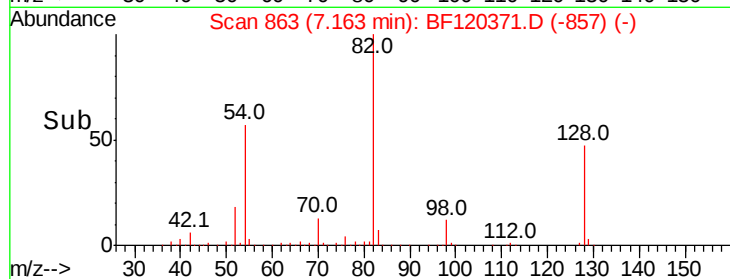
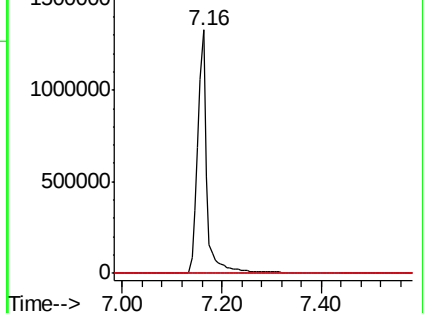
138 0.0 14.7 22.1#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.63 min Scan# 1282

Delta R.T. -0.01 min

Lab File: BF120371.D

Acq: 20 May 2020 15:58

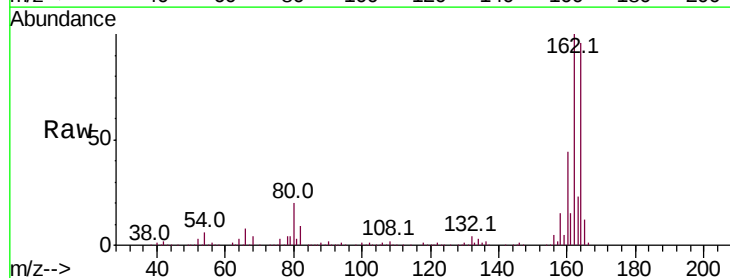
Tgt Ion:164 Resp: 566737

Ion Ratio Lower Upper

164 100

162 104.1 81.2 121.8

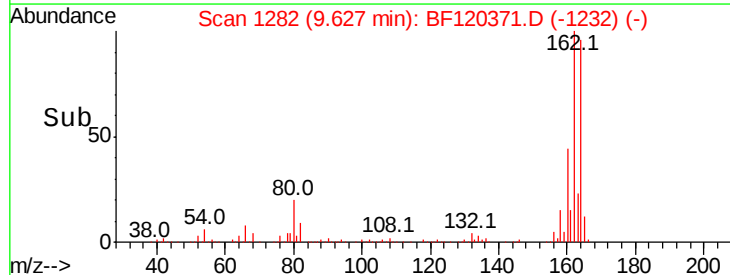
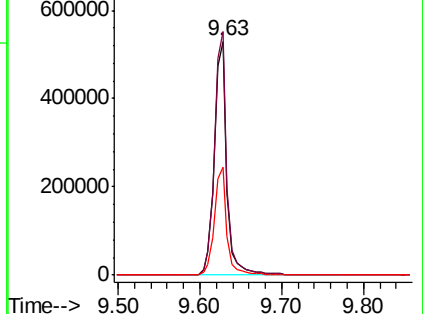
160 46.0 35.8 53.6

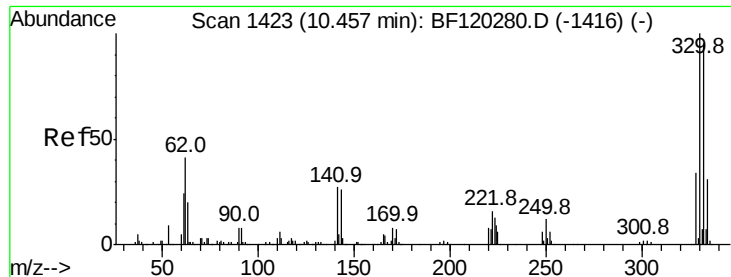


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

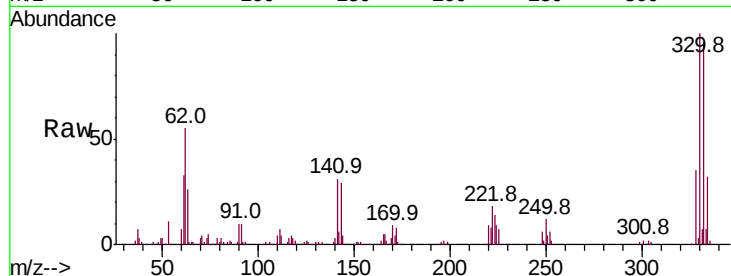




#42  
 2,4,6-Tribromophenol  
 Concen: 144.423 ng  
 RT: 10.42 min Scan# 1417  
 Delta R.T. 0.00 min  
 Lab File: BF120371.D  
 Acq: 20 May 2020 15:58

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB129015TB

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.4  | 76.5  | 114.7 |
| 141     | 32.5  | 25.4  | 38.0  |

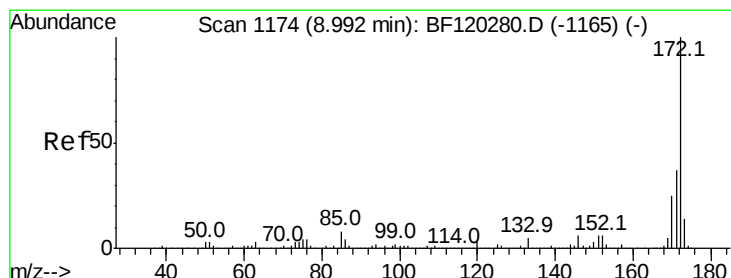
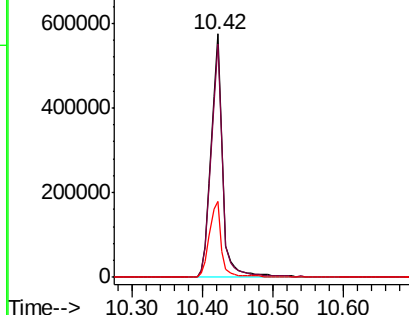
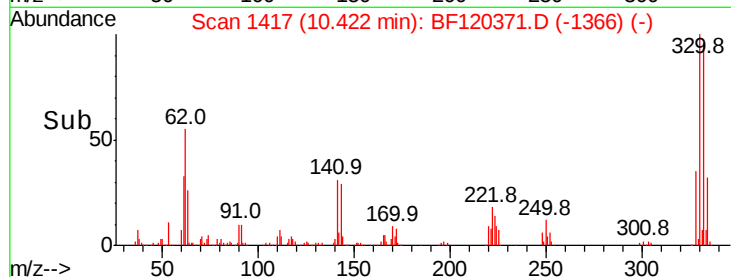


Abundance

Ion 329.80 (329.50 to 330.50): E

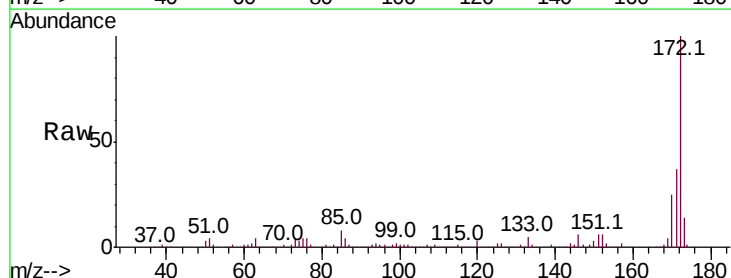
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45  
 2-Fluorobiphenyl  
 Concen: 111.600 ng  
 RT: 8.96 min Scan# 1168  
 Delta R.T. -0.00 min  
 Lab File: BF120371.D  
 Acq: 20 May 2020 15:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 37.1  | 29.7  | 44.5  |
| 170     | 25.0  | 19.9  | 29.9  |

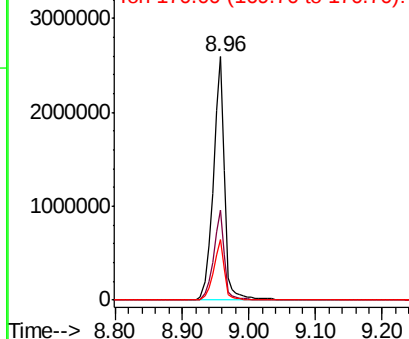
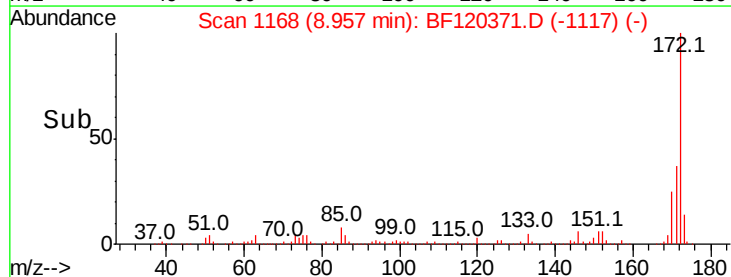


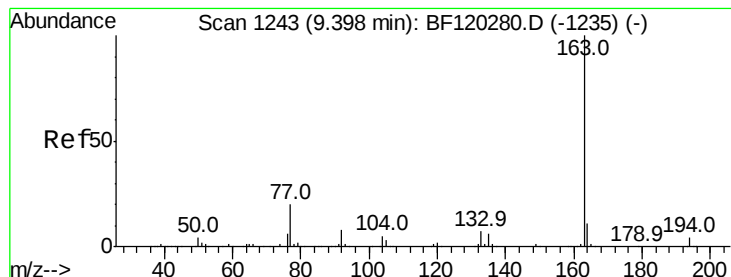
Abundance

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





#50

Dimethylphthalate

Concen: 3.390 ng

RT: 9.63 min Scan# 1282

Delta R.T. 0.26 min

Lab File: BF120371.D

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ClientSampleId :

PB129015TB

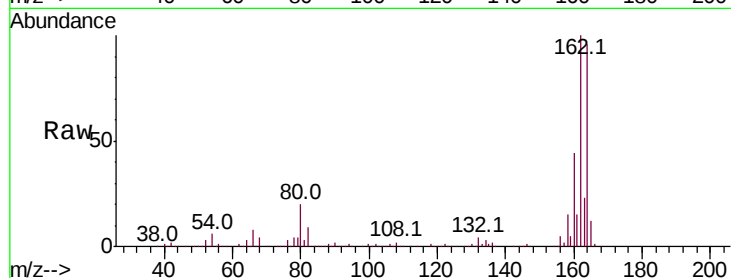
Tot Ion:163 Resp: 121463

Ion Ratio Lower Upper

163 100

194 0.0 3.1 4.7#

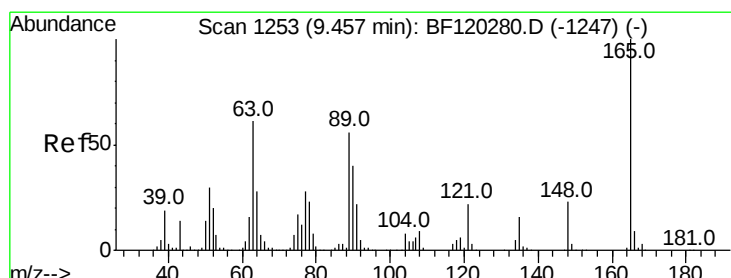
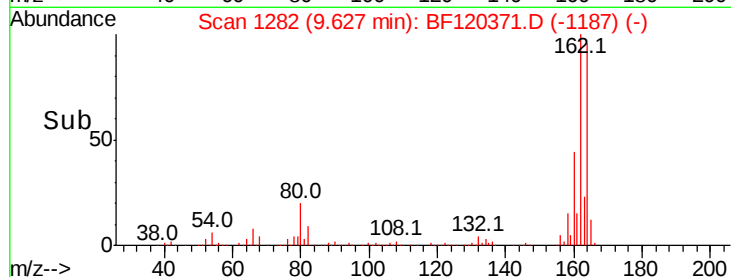
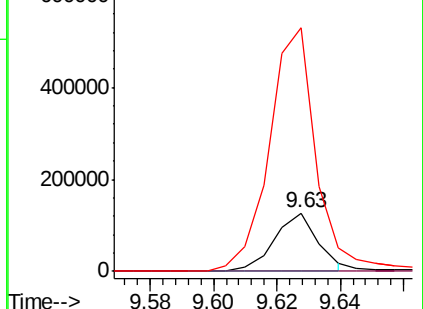
164 418.8 8.6 12.8#



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#51

2,6-Dinitrotoluene

Concen: 9.236 ng

RT: 9.63 min Scan# 1282

Delta R.T. 0.19 min

Lab File: BF120371.D

Acq: 20 May 2020 15:58

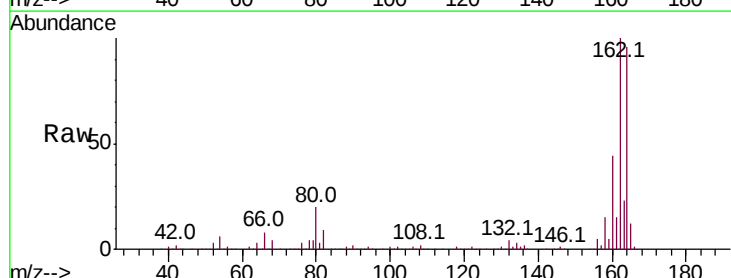
Tgt Ion:165 Resp: 73852

Ion Ratio Lower Upper

165 100

63 1.1 50.2 75.2#

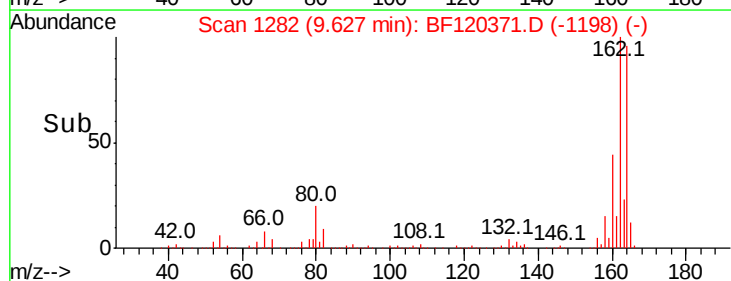
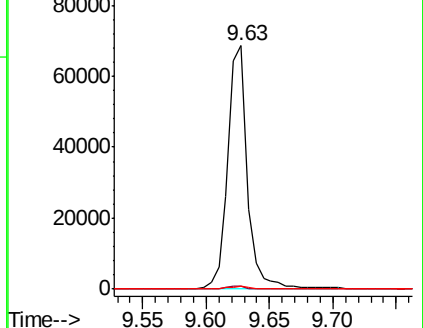
89 1.2 44.6 66.8#

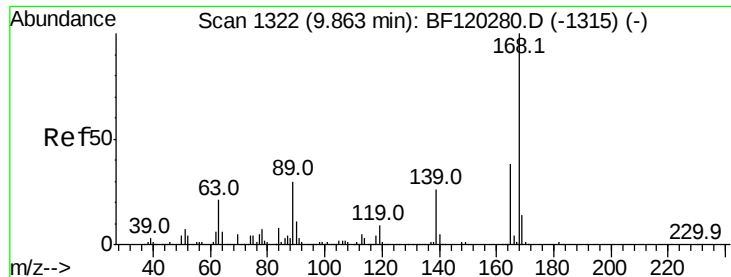


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

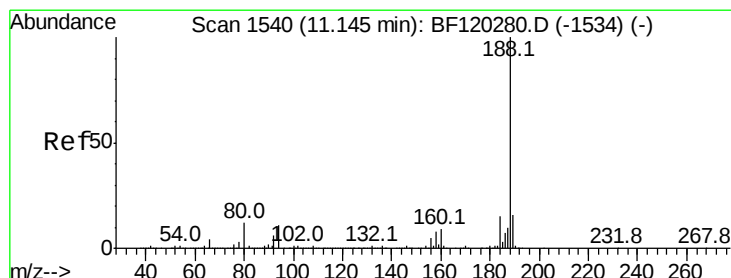
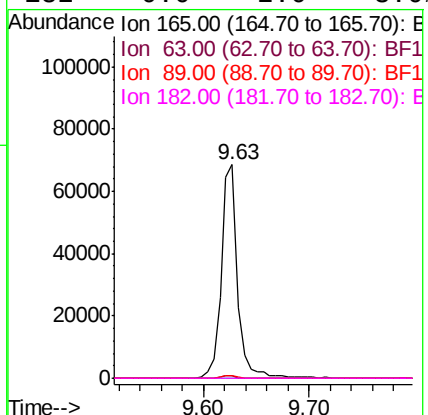
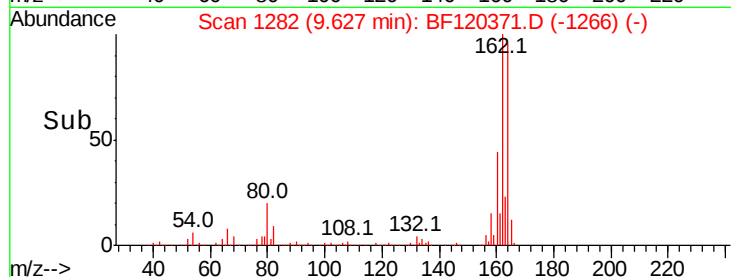
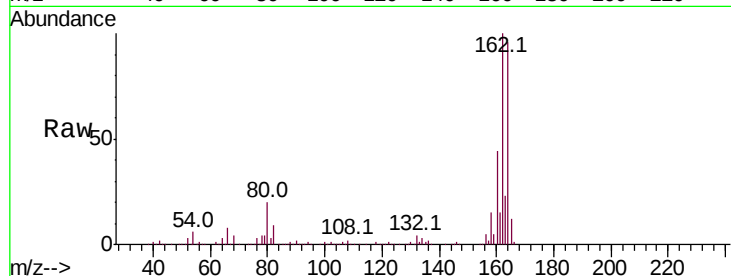




#57  
 2,4-Dinitrotoluene  
 Concen: 7.885 ng  
 RT: 9.63 min Scan# 1282  
 Delta R.T. -0.21 min  
 Lab File: BF120371.D  
 Acq: 20 May 2020 15:58

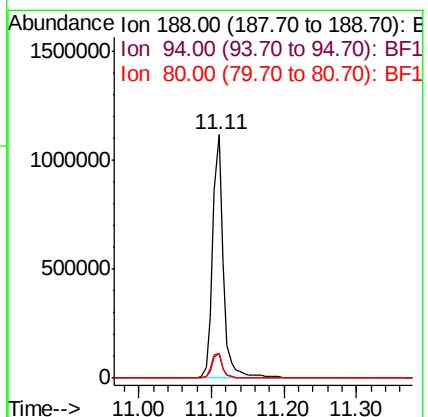
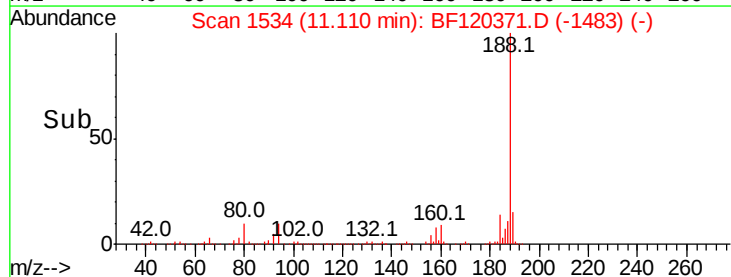
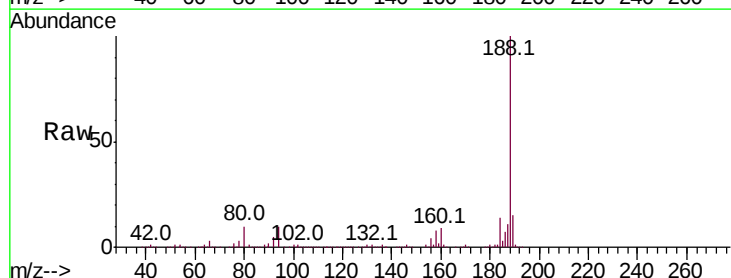
Instrument :  
 BNA\_M  
 ClientSampleID :  
 PB129015TB

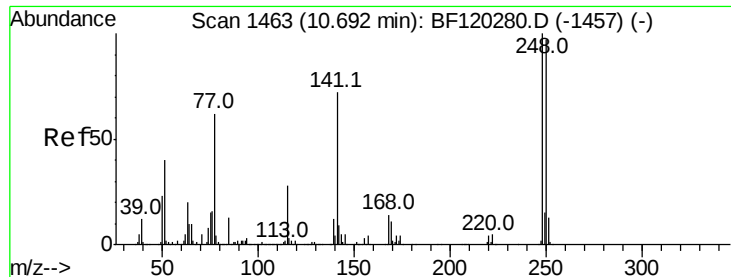
Tot Ion:165 Resp: 73961  
 Ion Ratio Lower Upper  
 165 100  
 63 1.1 51.8 77.8#  
 89 1.2 64.2 96.4#  
 182 0.0 2.0 3.0#



#64  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.11 min Scan# 1534  
 Delta R.T. -0.00 min  
 Lab File: BF120371.D  
 Acq: 20 May 2020 15:58

Tgt Ion:188 Resp: 1152776  
 Ion Ratio Lower Upper  
 188 100  
 94 10.1 8.6 13.0  
 80 10.2 9.2 13.8

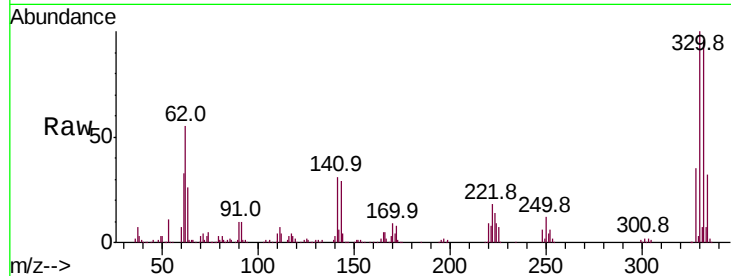




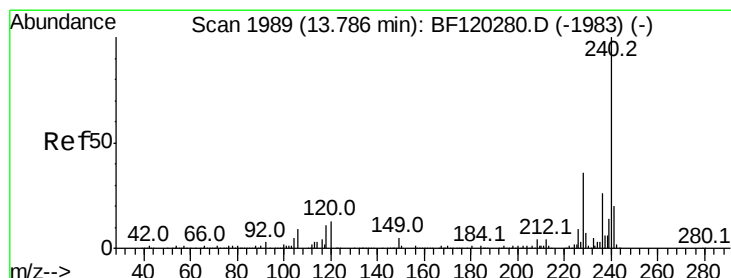
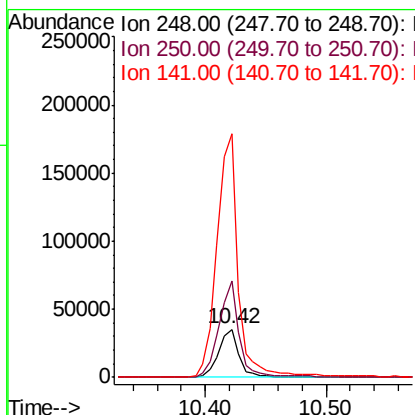
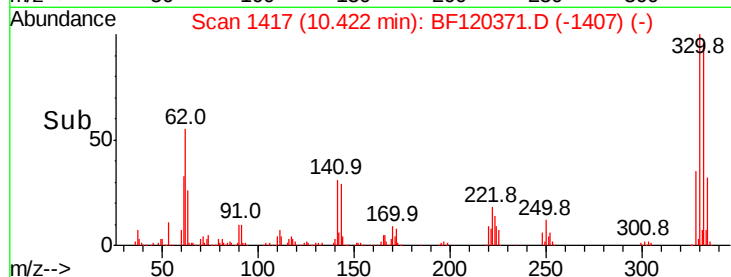
#67  
4-Bromophenyl-phenylether  
Concen: 3.701 ng  
RT: 10.42 min Scan# 1417  
Delta R.T. -0.24 min  
Lab File: BF120371.D  
Acq: 20 May 2020 15:58

Instrument :  
BNA\_M  
ClientSampleId :  
PB129015TB

Tot Ion:248 Resp: 41402  
Ion Ratio Lower Upper  
248 100  
250 202.2 77.8 116.6#  
141 508.4 57.7 86.5#

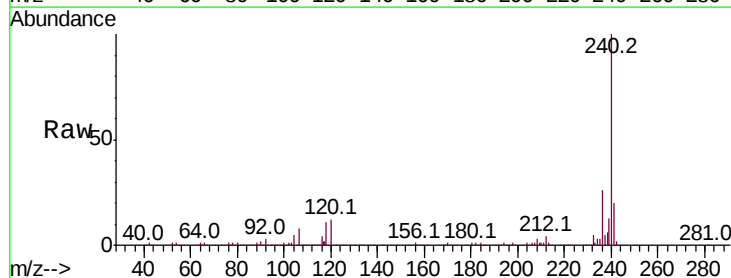


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

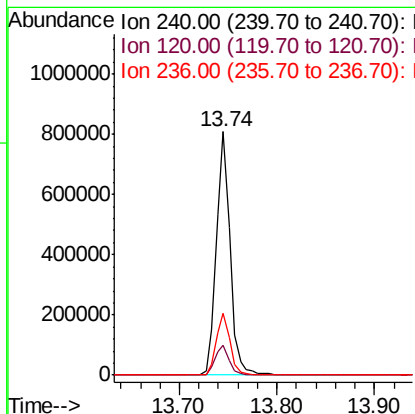
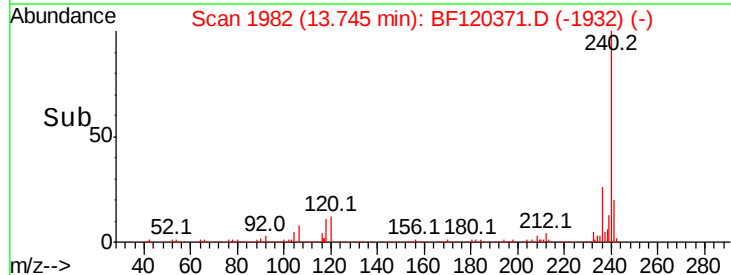


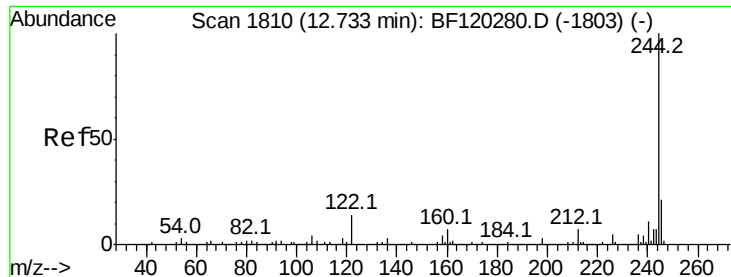
#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.74 min Scan# 1982  
Delta R.T. -0.01 min  
Lab File: BF120371.D  
Acq: 20 May 2020 15:58

Tgt Ion:240 Resp: 790378  
Ion Ratio Lower Upper  
240 100  
120 12.4 10.4 15.6  
236 25.6 21.0 31.6



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: 85.373 ng

RT: 12.70 min Scan# 1805

Delta R.T. 0.01 min

Lab File: BF120371.D

Acq: 20 May 2020 15:58

Instrument :

BNA\_M

ClientSampleId :

PB129015TB

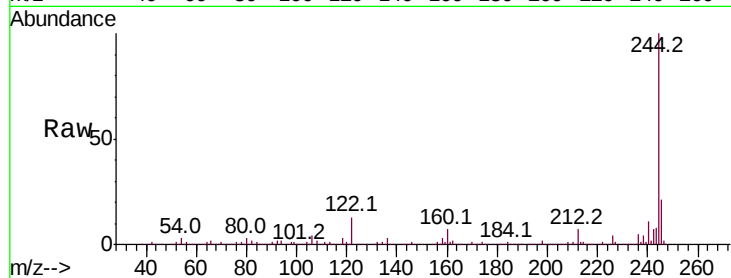
Tot Ion:244 Resp: 3054358

Ion Ratio Lower Upper

244 100

212 7.0 5.8 8.6

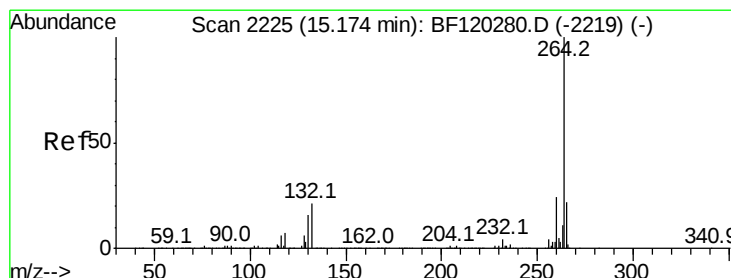
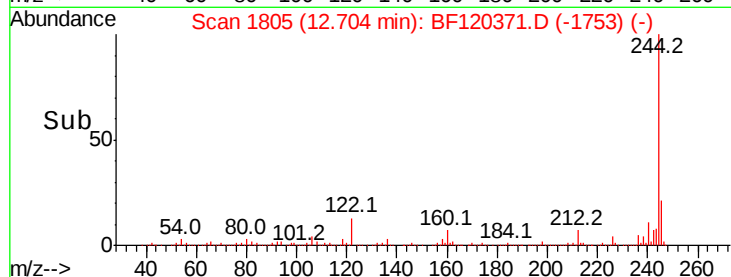
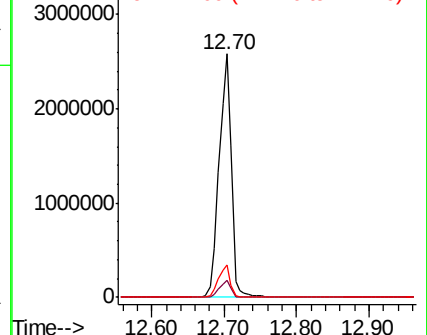
122 13.5 10.8 16.2



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: 20.000 ng

RT: 15.13 min Scan# 2217

Delta R.T. 0.00 min

Lab File: BF120371.D

Acq: 20 May 2020 15:58

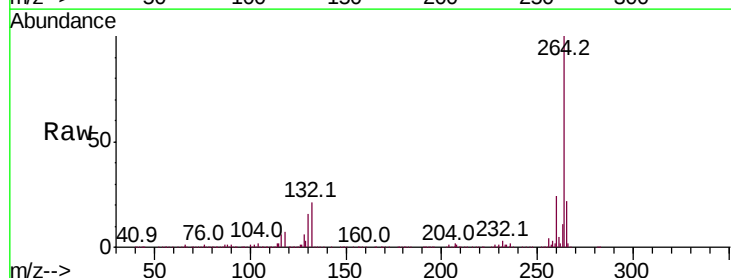
Tgt Ion:264 Resp: 654036

Ion Ratio Lower Upper

264 100

260 24.0 19.0 28.6

265 22.1 17.5 26.3



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

