

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110718\  
 Data File : BF110573.D  
 Acq On : 7 Nov 2018 23:16  
 Operator : JU/SJ  
 Sample : J5835-01 10X  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Nov 08 16:24:17 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Nov 01 16:06:12 2018  
 Response via : Initial Calibration

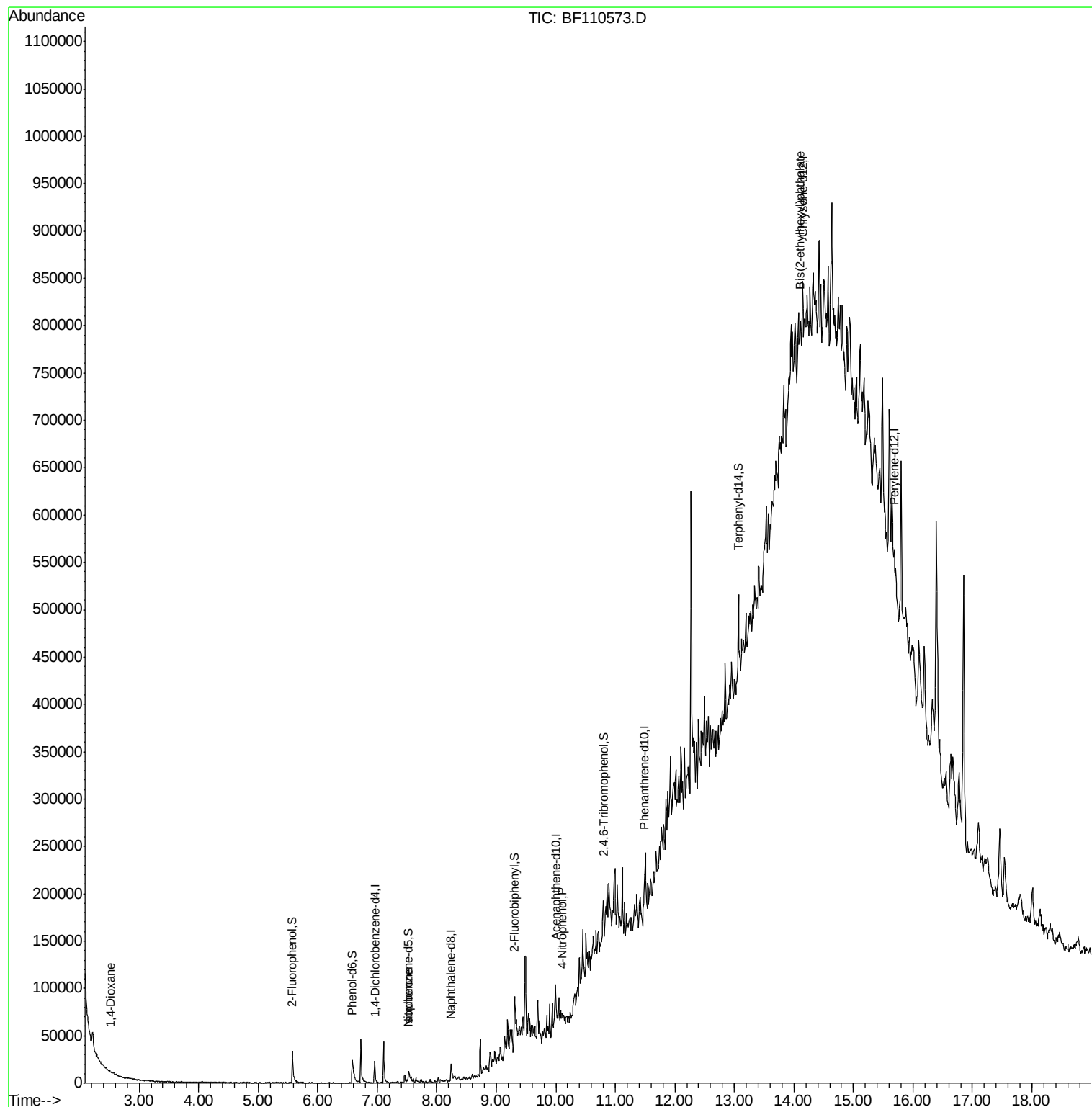
| Internal Standards             | R.T.  | QIon | Response | Conc      | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-----------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.96  | 152  | 5616     | 20.00     | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.24  | 136  | 22427    | 20.00     | ng    | 0.00     |
| 39) Acenaphthene-d10           | 10.00 | 164  | 9564     | 20.00     | ng    | 0.00     |
| 64) Phenanthrene-d10           | 11.49 | 188  | 19183    | 20.00     | ng    | 0.00     |
| 76) Chrysene-d12               | 14.14 | 240  | 20465    | 20.00     | ng    | 0.00     |
| 87) Perylene-d12               | 15.68 | 264  | 12415    | 20.00     | ng    | 0.02     |
| System Monitoring Compounds    |       |      |          |           |       |          |
| 5) 2-Fluorophenol              | 5.57  | 112  | 16488    | 47.81     | ng    | 0.00     |
| 7) Phenol-d6                   | 6.58  | 99   | 21425    | 48.57     | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.53  | 82   | 9720     | 25.71     | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol       | 10.80 | 330  | 3135     | 33.09     | ng    | 0.00     |
| 45) 2-Fluorobiphenyl           | 9.31  | 172  | 26832    | 44.05     | ng    | 0.00     |
| 79) Terphenyl-d14              | 13.07 | 244  | 30861    | 31.36     | ng    | 0.00     |
| Target Compounds               |       |      |          |           |       |          |
| 2) 1,4-Dioxane                 | 2.53  | 88   | 376      | 2.081     | ng    | # 23     |
| 25) Isophorone                 | 7.53  | 82   | 9720     | 15.081    | ng    | # 67     |
| 56) 4-Nitrophenol              | 10.10 | 139  | 646      | 4.826     | ng    | # 1      |
| 77) Benzidine                  | 12.84 | 184  | 147      | Below Cal |       | # 1      |
| 84) Bis(2-ethylhexyl)phthalate | 14.09 | 149  | 5044     | 5.859     | ng    | # 79     |

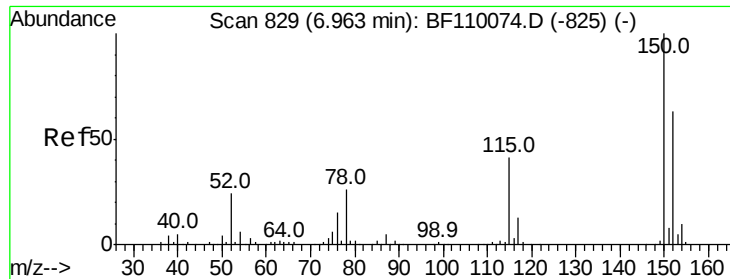
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110718\  
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Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampled :

Quant Time: Nov 08 16:24:17 2018  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Nov 01 16:06:12 2018  
Response via : Initial Calibration



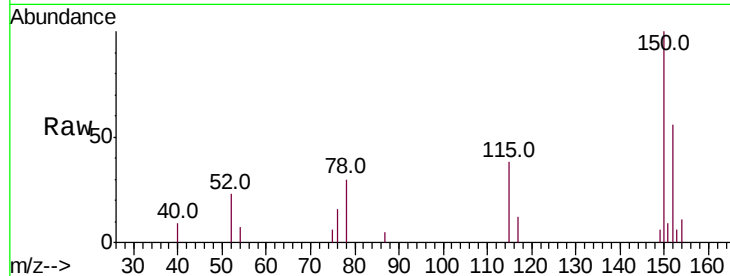


#1

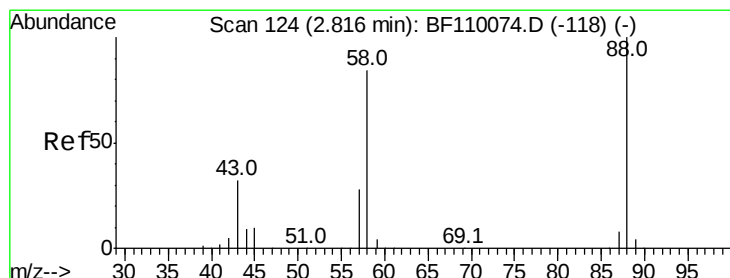
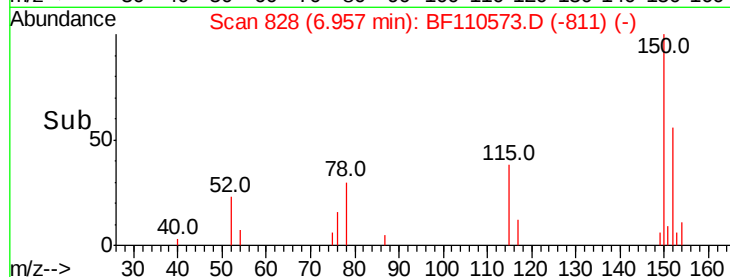
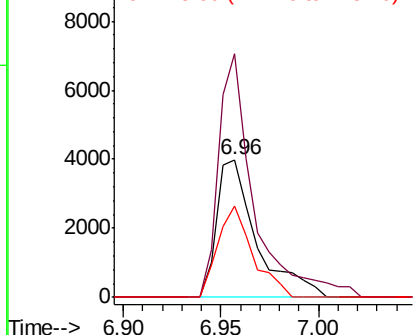
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.96 min Scan# 828  
Delta R.T. 0.00 min  
Lab File: BF110573.D  
Acq: 7 Nov 2018 23:16

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:152 Resp: 5616  
Ion Ratio Lower Upper  
152 100  
150 177.0 122.7 184.1  
115 66.4 49.1 73.7



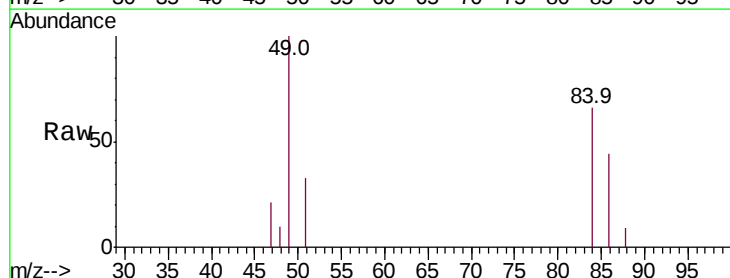
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



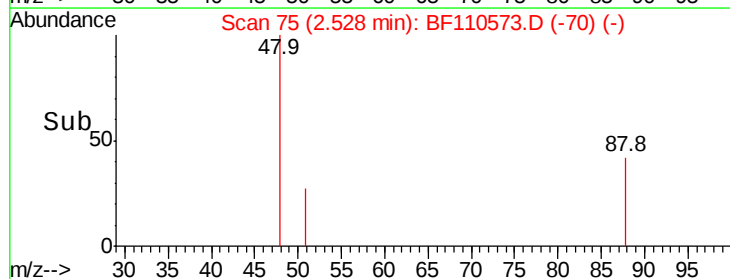
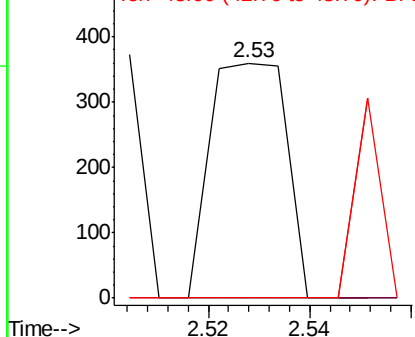
#2

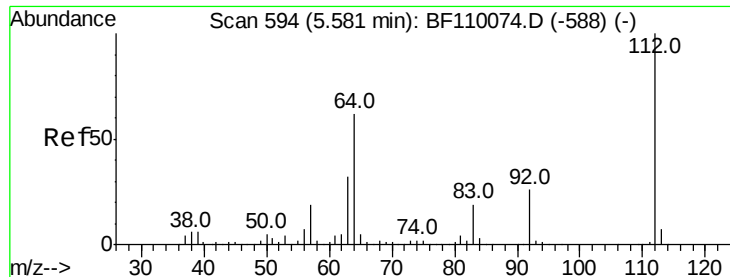
1,4-Dioxane  
Concen: 2.081 ng  
RT: 2.53 min Scan# 75  
Delta R.T. -0.27 min  
Lab File: BF110573.D  
Acq: 7 Nov 2018 23:16

Tgt Ion: 88 Resp: 376  
Ion Ratio Lower Upper  
88 100  
58 0.0 57.1 85.7#  
43 0.0 24.1 36.1#



Abundance Ion 88.00 (87.70 to 88.70): BF1  
Ion 58.00 (57.70 to 58.70): BF1  
Ion 43.00 (42.70 to 43.70): BF1





#5

2-Fluorophenol

Concen: 47.810 ng

RT: 5.57 min Scan# 593

Delta R.T. 0.00 min

Lab File: BF110573.D

Acq: 7 Nov 2018 23:16

Instrument :

BNA\_F

ClientSampled :

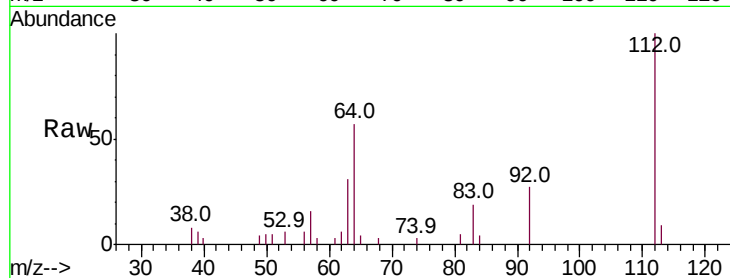
Tot Ion:112 Resp: 16488

Ion Ratio Lower Upper

112 100

64 57.0 44.1 66.1

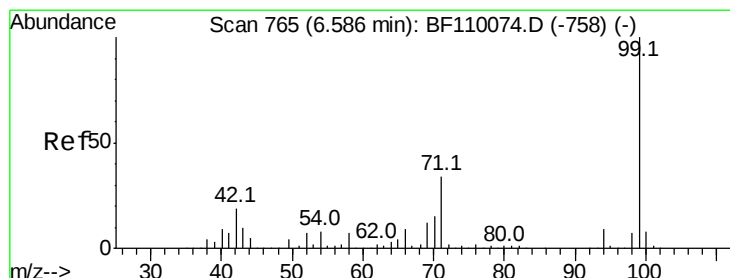
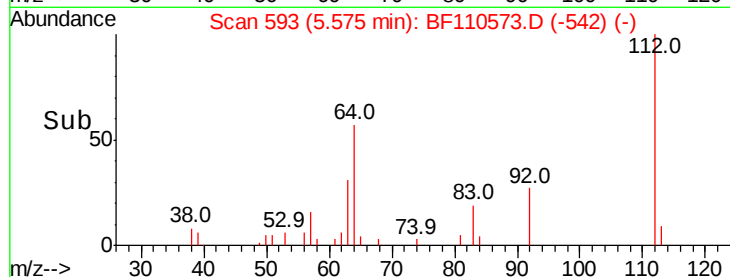
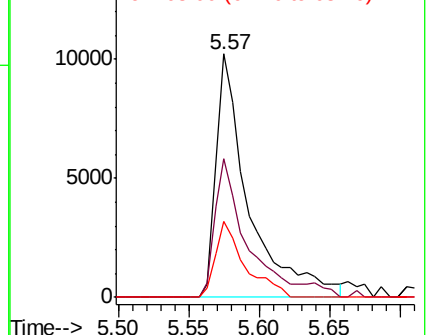
63 31.4 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): BF1

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#7

Phenol-d6

Concen: 48.570 ng

RT: 6.58 min Scan# 764

Delta R.T. 0.00 min

Lab File: BF110573.D

Acq: 7 Nov 2018 23:16

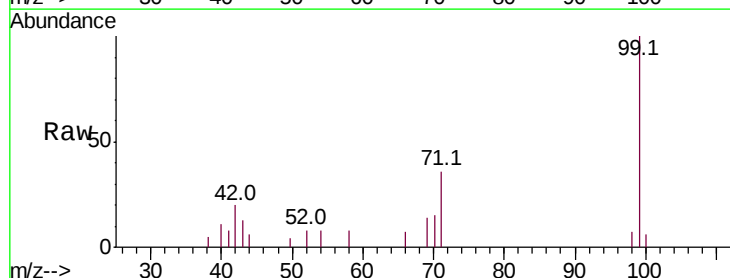
Tgt Ion: 99 Resp: 21425

Ion Ratio Lower Upper

99 100

42 19.9 15.8 23.6

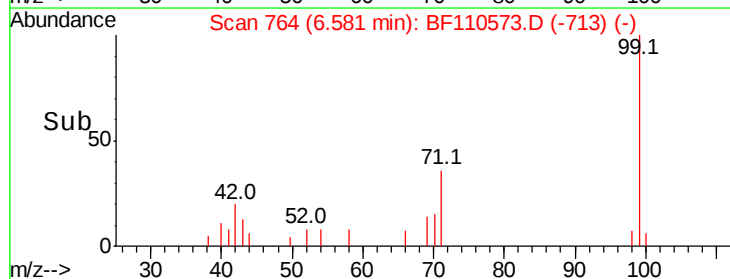
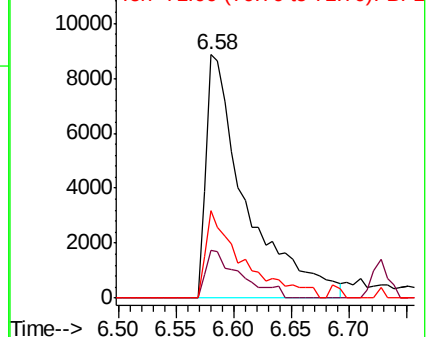
71 35.7 28.0 42.0



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.24 min Scan# 1046

Delta R.T. 0.00 min

Lab File: BF110573.D

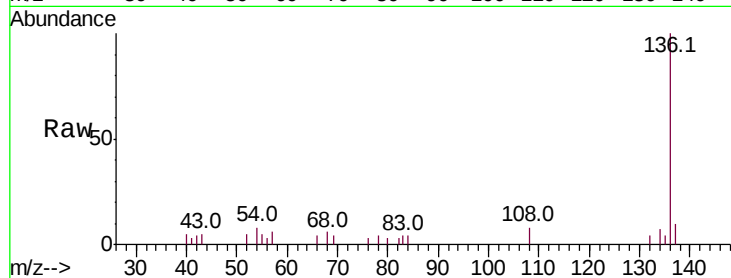
Acq: 7 Nov 2018 23:16

Instrument :

BNA\_F

ClientSampled :

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 136   | Resp: | 22427 |
| Ion      | Ratio | Lower | Upper |
| 136      | 100   |       |       |
| 137      | 9.8   | 8.8   | 13.2  |
| 54       | 8.3   | 5.4   | 8.2#  |
| 68       | 6.0   | 4.2   | 6.2   |

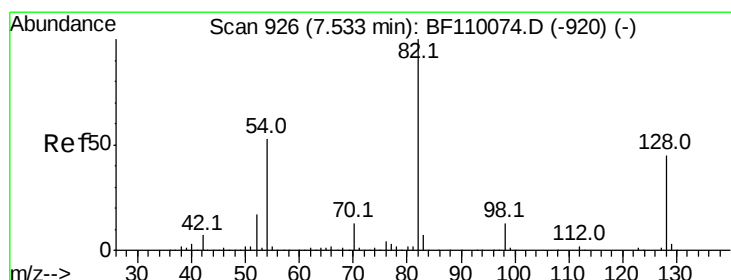
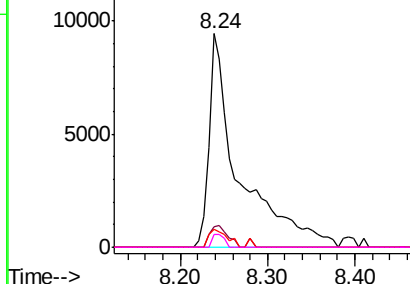
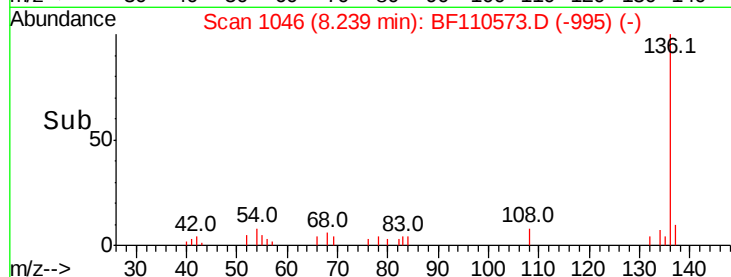


Abundance Ion 136.00 (135.70 to 136.70): E

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: 25.707 ng

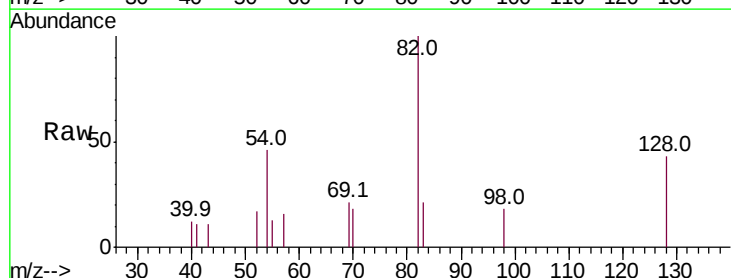
RT: 7.53 min Scan# 925

Delta R.T. 0.01 min

Lab File: BF110573.D

Acq: 7 Nov 2018 23:16

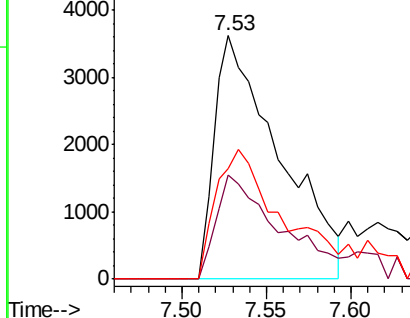
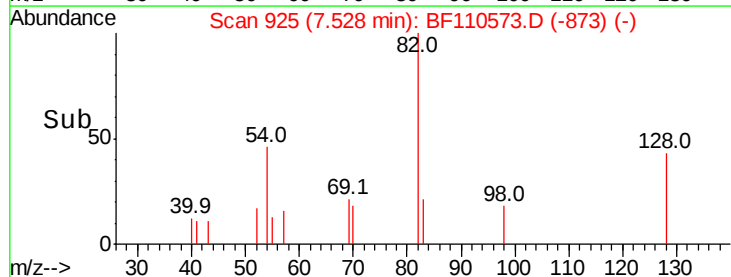
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 82    | Resp: | 9720  |
| Ion      | Ratio | Lower | Upper |
| 82       | 100   |       |       |
| 128      | 42.5  | 34.2  | 51.2  |
| 54       | 45.6  | 38.6  | 58.0  |

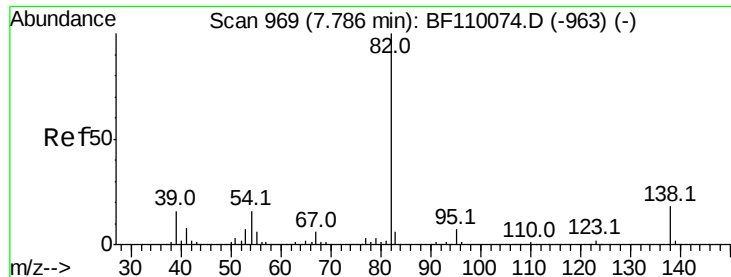


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 15.081 ng

RT: 7.53 min Scan# 925

Delta R.T. -0.25 min

Lab File: BF110573.D

Acq: 7 Nov 2018 23:16

Instrument :

BNA\_F

ClientSampled :

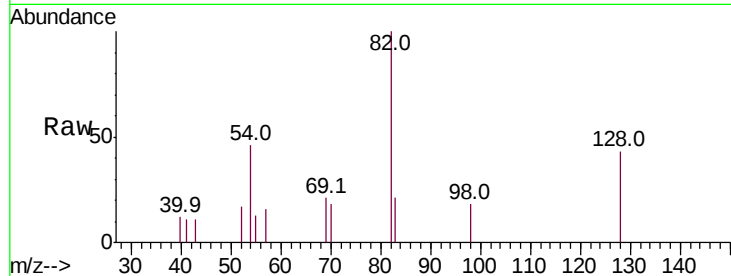
Tot Ion: 82 Resp: 9720

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

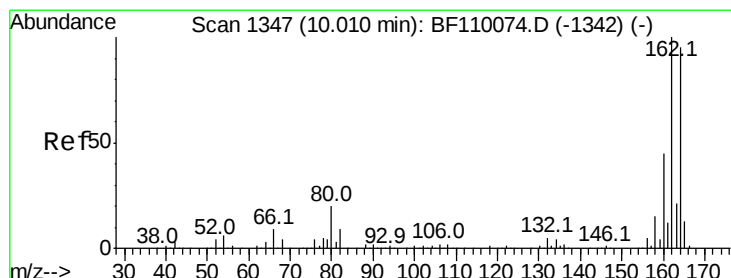
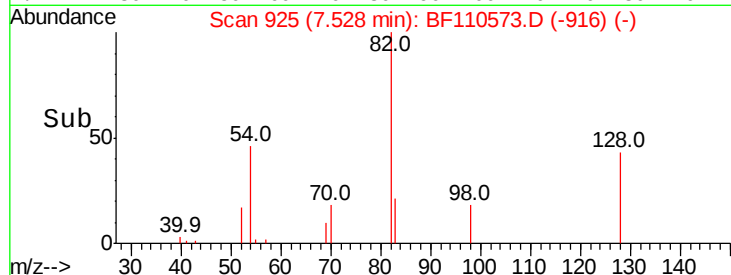
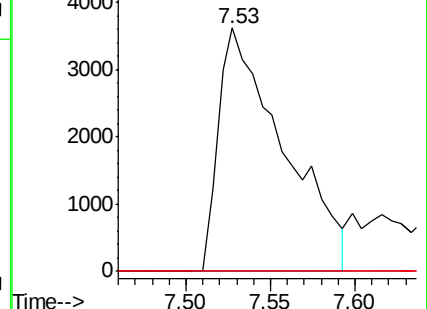
138 0.0 13.2 19.8#



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: 10.00 min Scan# 1345

Delta R.T. 0.00 min

Lab File: BF110573.D

Acq: 7 Nov 2018 23:16

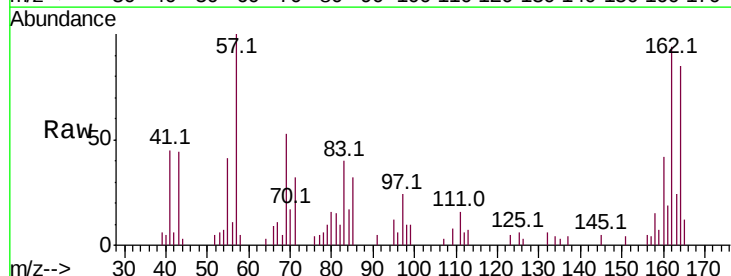
Tgt Ion:164 Resp: 9564

Ion Ratio Lower Upper

164 100

162 110.0 83.0 124.6

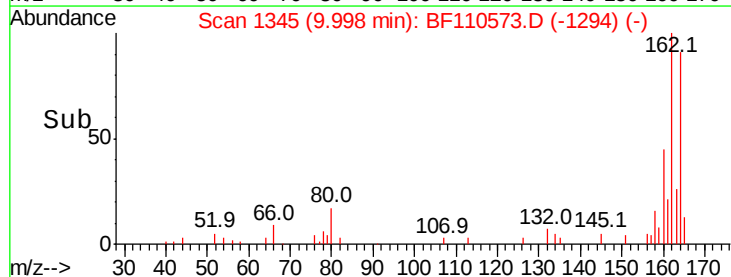
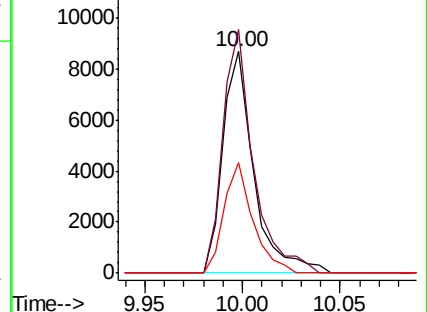
160 49.7 37.0 55.6

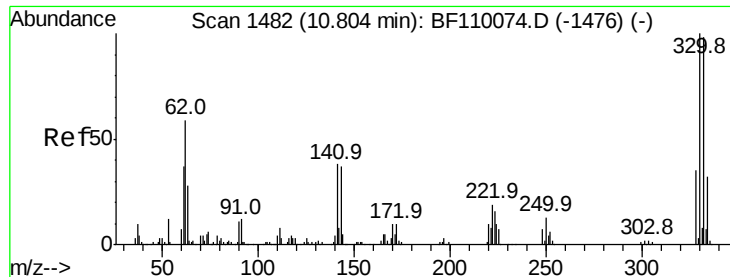


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

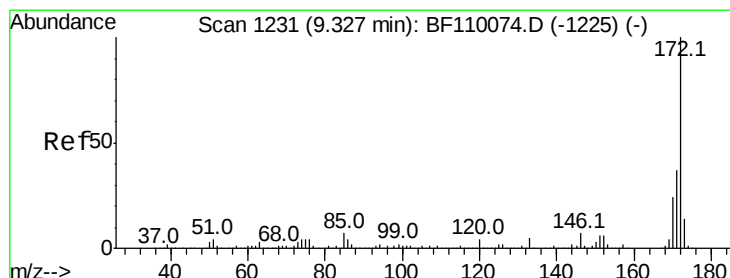
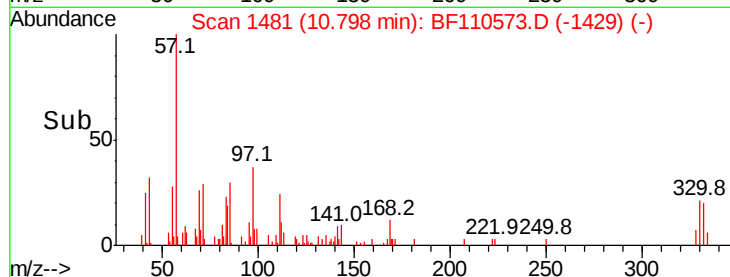
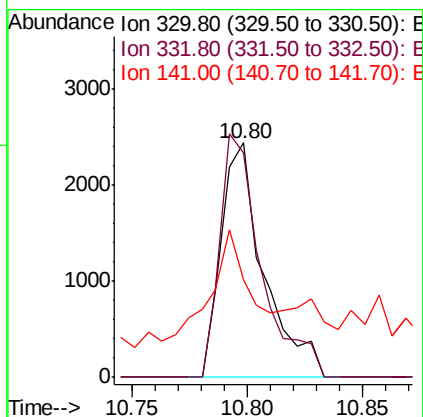
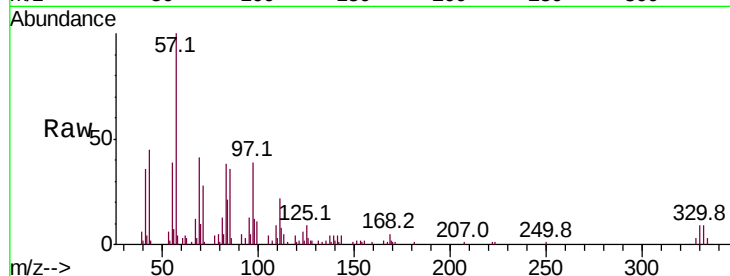




#42  
 2,4,6-Tribromophenol  
 Concen: 33.091 ng  
 RT: 10.80 min Scan# 1481  
 Delta R.T. 0.01 min  
 Lab File: BF110573.D  
 Acq: 7 Nov 2018 23:16

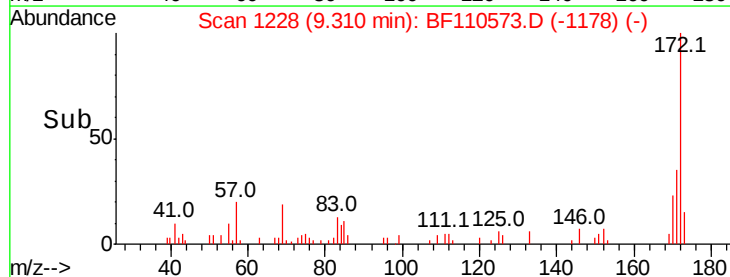
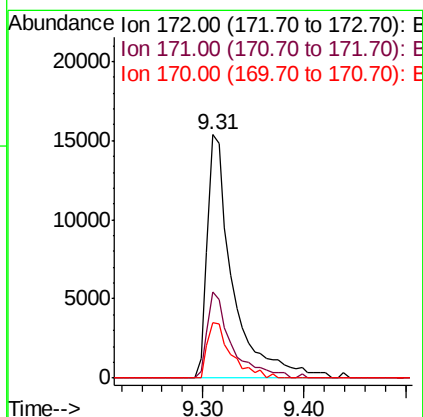
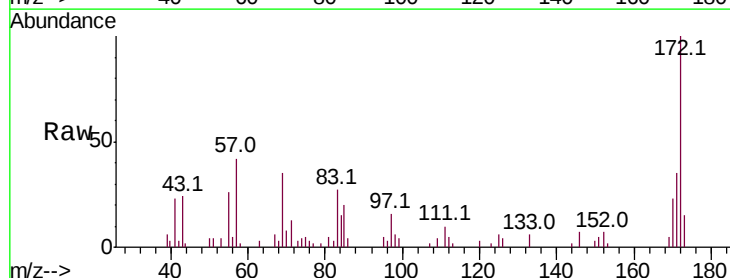
Instrument :  
 BNA\_F  
 ClientSampleId :

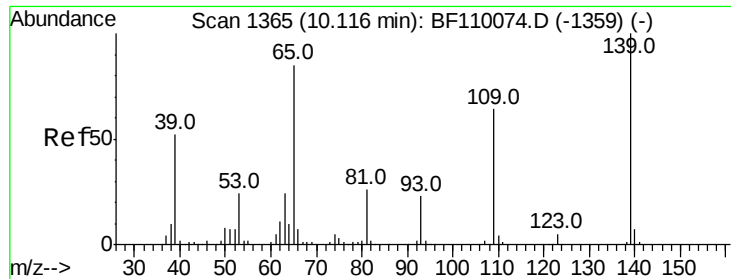
Tot Ion:330 Resp: 3135  
 Ion Ratio Lower Upper  
 330 100  
 332 101.5 77.1 115.7  
 141 41.2 27.0 40.4#



#45  
 2-Fluorobiphenyl  
 Concen: 44.054 ng  
 RT: 9.31 min Scan# 1228  
 Delta R.T. -0.01 min  
 Lab File: BF110573.D  
 Acq: 7 Nov 2018 23:16

Tgt Ion:172 Resp: 26832  
 Ion Ratio Lower Upper  
 172 100  
 171 35.5 28.6 43.0  
 170 22.7 19.7 29.5

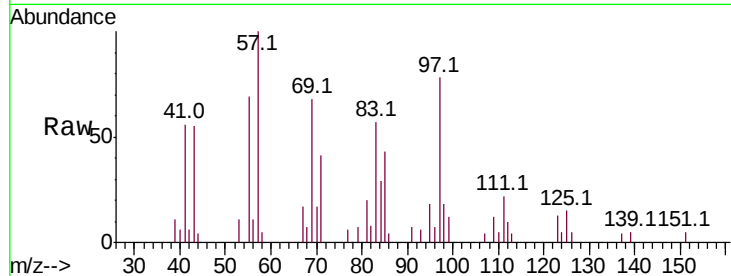




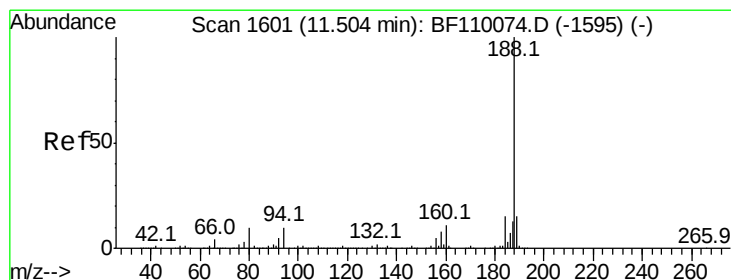
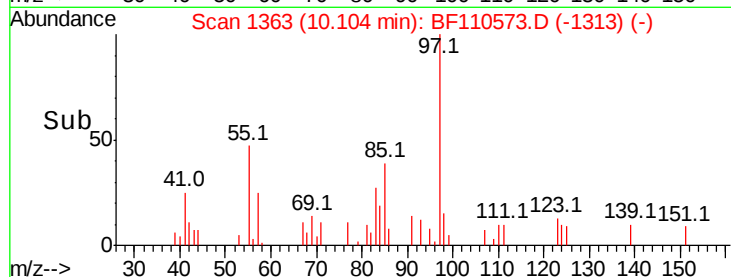
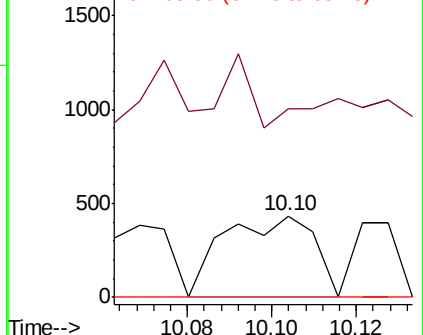
#56  
4-Nitrophenol  
Concen: 4.826 ng  
RT: 10.10 min Scan# 1363  
Delta R.T. -0.01 min  
Lab File: BF110573.D  
Acq: 7 Nov 2018 23:16

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:139 Resp: 646  
Ion Ratio Lower Upper  
139 100  
109 230.6 55.8 95.8#  
65 0.0 77.9 117.9#

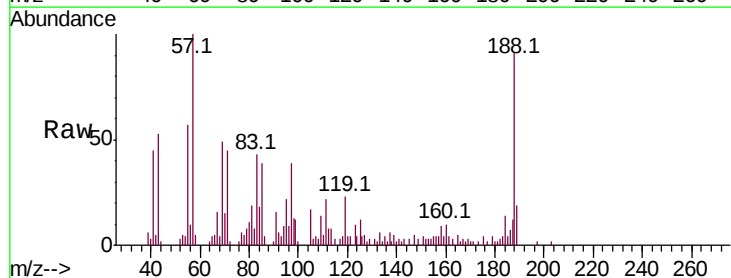


Abundance Ion 139.00 (138.70 to 139.70): E  
Ion 109.00 (108.70 to 109.70): E  
Ion 65.00 (64.70 to 65.70): BF1

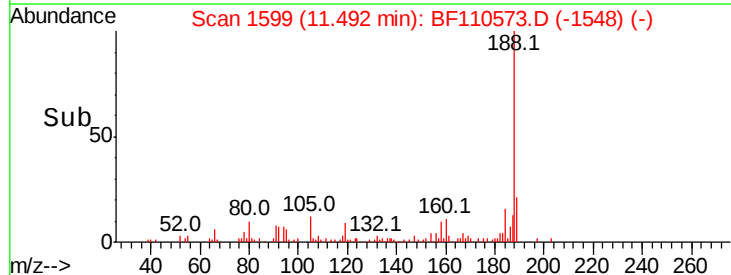
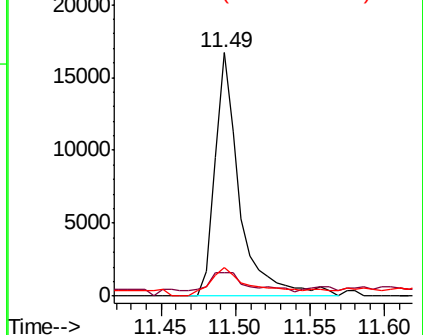


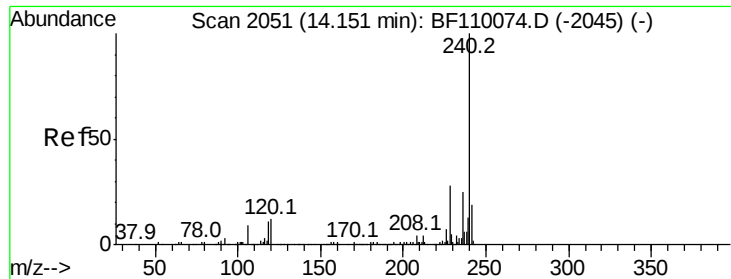
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.49 min Scan# 1599  
Delta R.T. 0.00 min  
Lab File: BF110573.D  
Acq: 7 Nov 2018 23:16

Tgt Ion:188 Resp: 19183  
Ion Ratio Lower Upper  
188 100  
94 9.5 7.2 10.8  
80 11.9 7.9 11.9#



Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF1  
Ion 80.00 (79.70 to 80.70): BF1

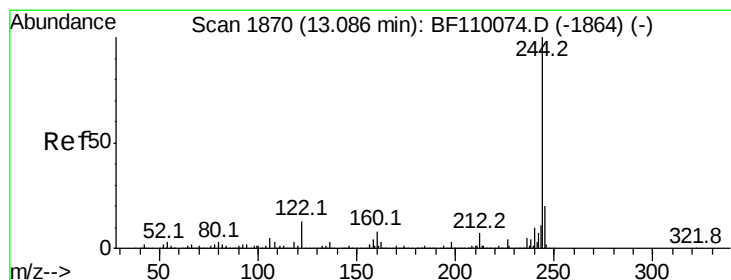
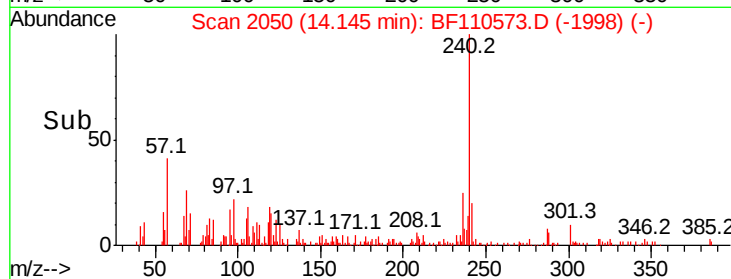
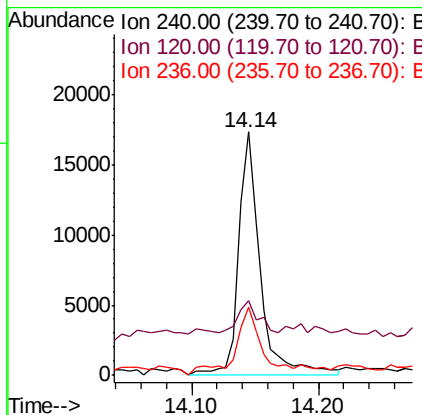
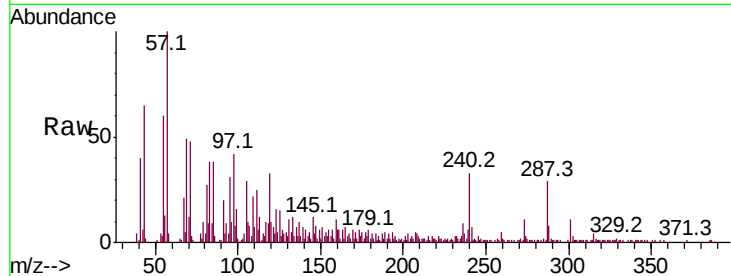




#76  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 14.14 min Scan# 2050  
 Delta R.T. 0.01 min  
 Lab File: BF110573.D  
 Acq: 7 Nov 2018 23:16

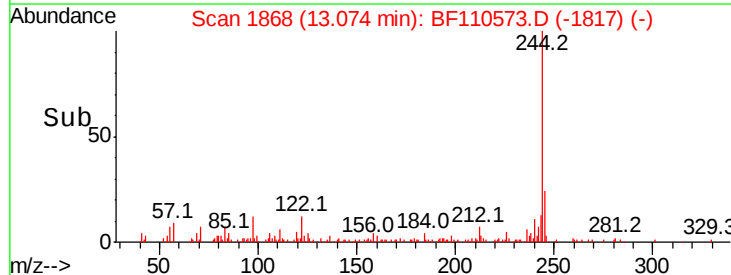
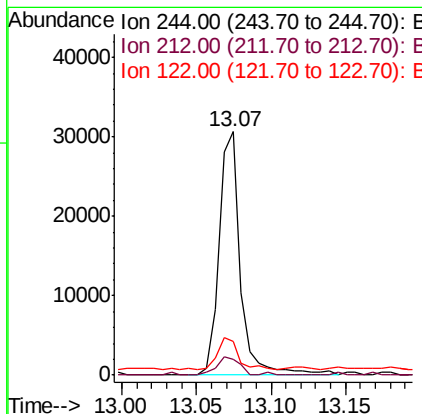
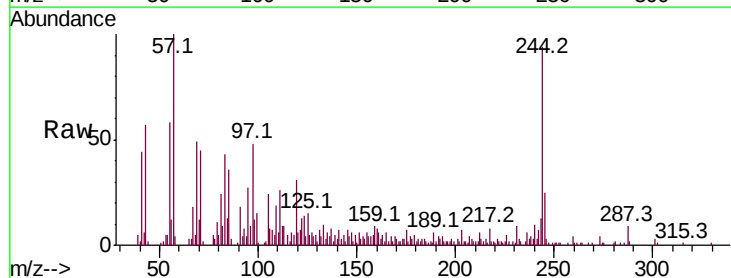
Instrument :  
 BNA\_F  
 ClientSampleId :

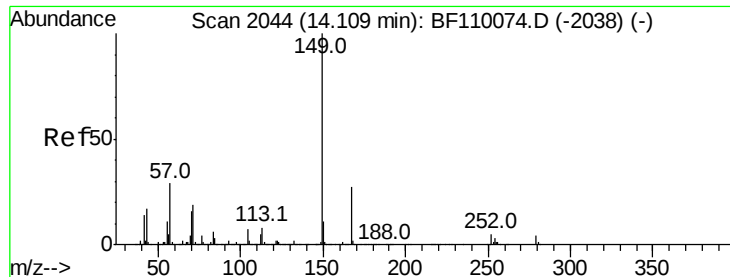
Tot Ion:240 Resp: 20465  
 Ion Ratio Lower Upper  
 240 100  
 120 30.6 8.3 12.5#  
 236 28.2 21.2 31.8



#79  
 Terphenyl-d14  
 Concen: 31.362 ng  
 RT: 13.07 min Scan# 1868  
 Delta R.T. 0.00 min  
 Lab File: BF110573.D  
 Acq: 7 Nov 2018 23:16

Tgt Ion:244 Resp: 30861  
 Ion Ratio Lower Upper  
 244 100  
 212 6.6 5.8 8.8  
 122 13.9 8.7 13.1#





#84

Bis(2-ethylhexyl)phthalate

Concen: 5.859 ng

RT: 14.09 min Scan# 2041

Delta R.T. 0.01 min

Lab File: BF110573.D

Acq: 7 Nov 2018 23:16

Instrument :

BNA\_F

ClientSampleId :

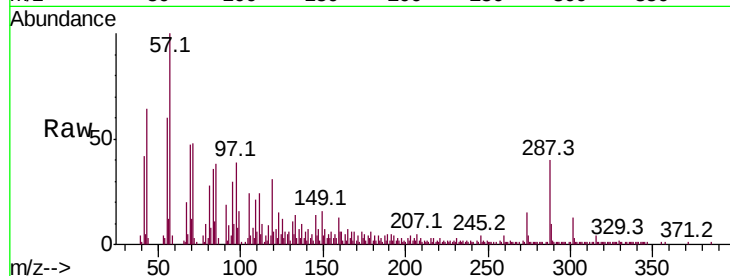
Tot Ion:149 Resp: 5044

Ion Ratio Lower Upper

149 100

167 35.7 19.8 29.8#

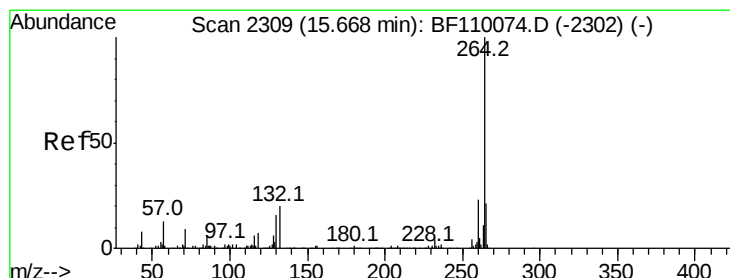
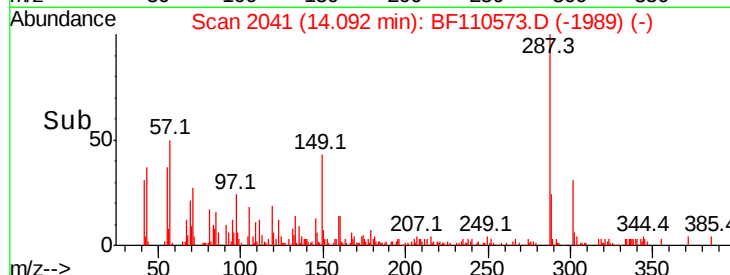
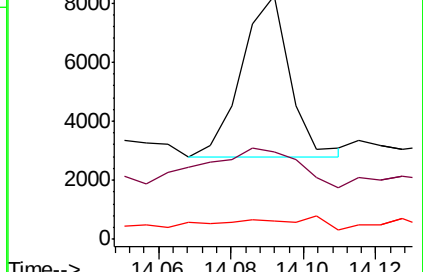
279 7.5 2.7 4.1#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.68 min Scan# 2311

Delta R.T. 0.02 min

Lab File: BF110573.D

Acq: 7 Nov 2018 23:16

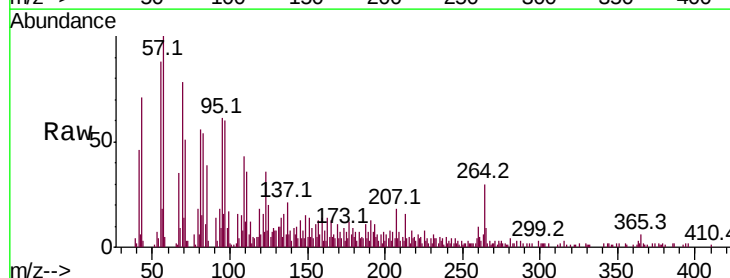
Tgt Ion:264 Resp: 12415

Ion Ratio Lower Upper

264 100

260 33.4 18.7 28.1#

265 29.0 16.7 25.1#



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

