

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF100918\  
 Data File : BF109727.D  
 Acq On : 10 Oct 2018 6:16  
 Operator : JU/SJ  
 Sample : J5309-20  
 Misc :  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 S-28

Quant Time: Oct 10 06:43:15 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF100818.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Oct 08 16:02:11 2018  
 Response via : Initial Calibration

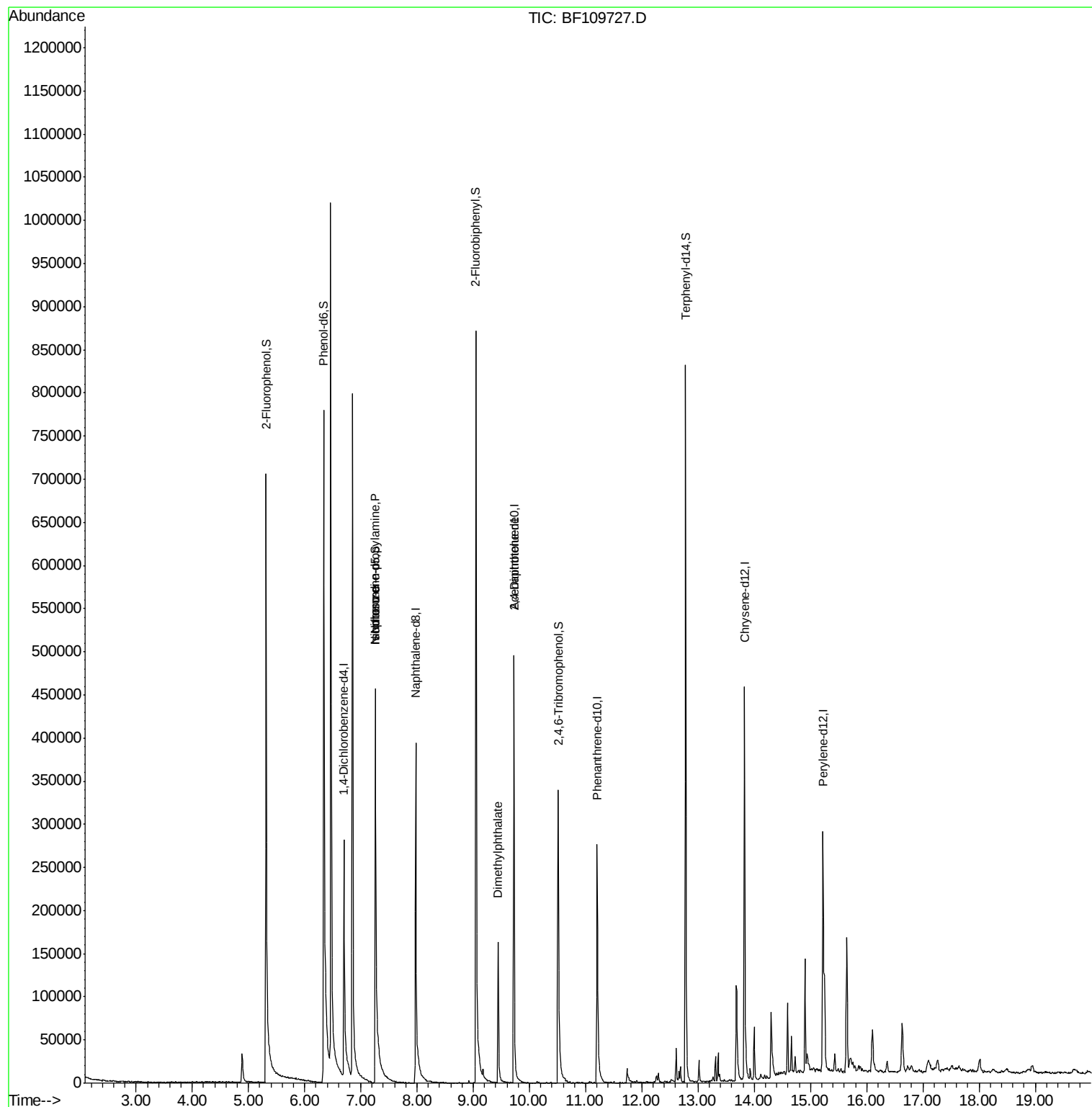
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.70  | 152  | 70518    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 7.97  | 136  | 284567   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10           | 9.72  | 164  | 111624   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10           | 11.20 | 188  | 188998   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12               | 13.83 | 240  | 204443   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12               | 15.22 | 264  | 165804   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.31  | 112  | 301408   | 75.87  | ng    | -0.01    |
| 7) Phenol-d6                   | 6.34  | 99   | 456613   | 86.04  | ng    | -0.02    |
| 23) Nitrobenzene-d5            | 7.26  | 82   | 289397   | 56.06  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol       | 10.51 | 330  | 73731    | 60.62  | ng    | 0.00     |
| 44) 2-Fluorobiphenyl           | 9.05  | 172  | 399806   | 49.33  | ng    | -0.01    |
| 78) Terphenyl-d14              | 12.77 | 244  | 341046   | 32.29  | ng    | -0.01    |
| Target Compounds               |       |      |          |        |       |          |
| 19) n-Nitroso-di-n-propylamine | 7.26  | 70   | 35880    | 9.641  | ng    | # 75     |
| 25) Isophorone                 | 7.26  | 82   | 294015   | 34.298 | ng    | # 67     |
| 49) Dimethylphthalate          | 9.45  | 163  | 95391    | 11.652 | ng    | 99       |
| 56) 2,4-Dinitrotoluene         | 9.72  | 165  | 13840    | 6.249  | ng    | # 17     |

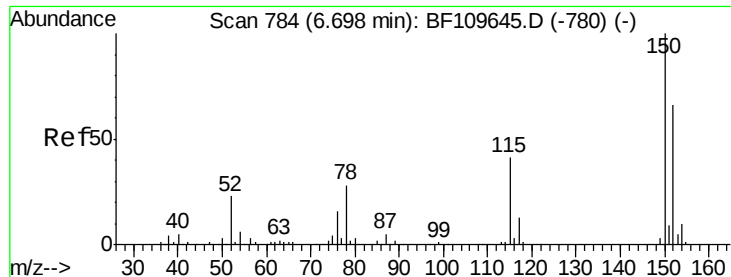
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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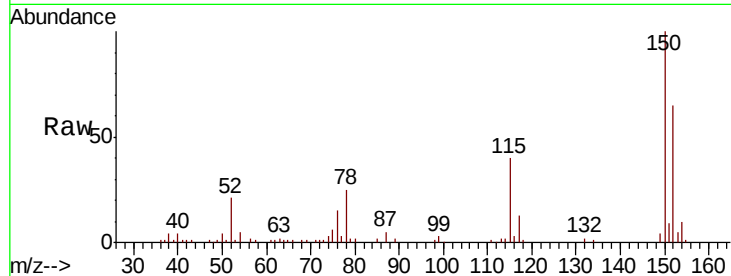


#1

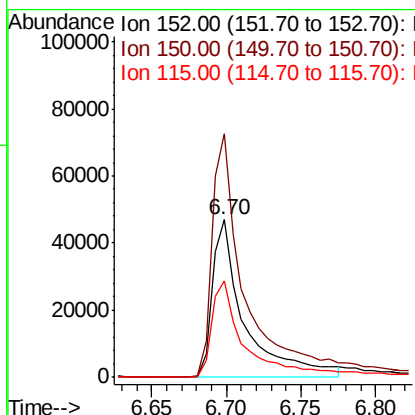
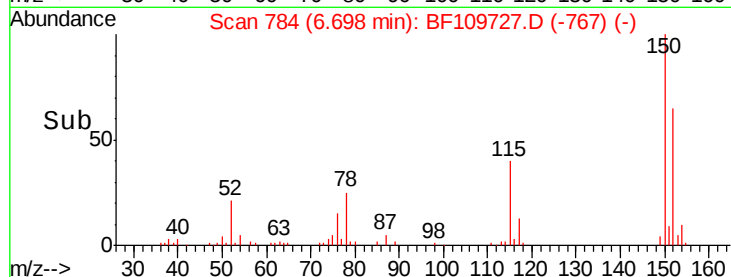
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.70 min Scan# 784  
Delta R.T. 0.00 min  
Lab File: BF109727.D  
Acq: 10 Oct 2018 6:16

Instrument :  
BNA\_F  
ClientSampleId :  
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Tgt Ion:152 Resp: 70518  
Ion Ratio Lower Upper  
152 100  
150 154.4 122.7 184.1  
115 61.2 49.1 73.7



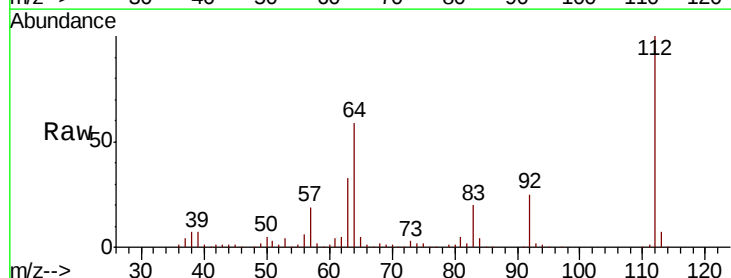
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



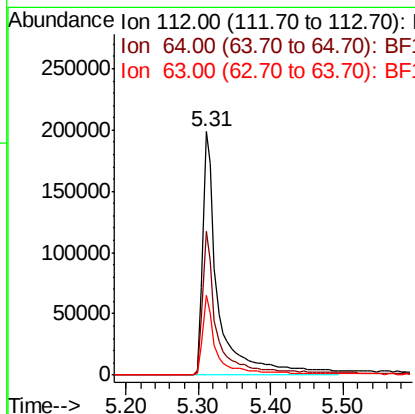
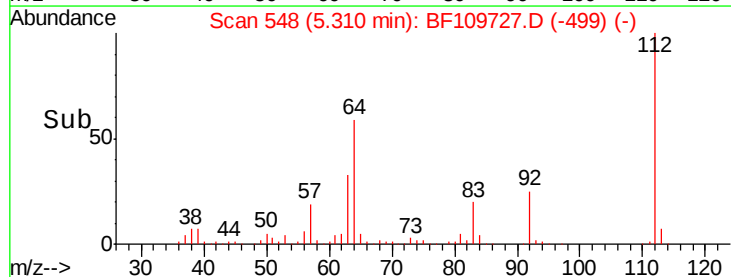
#5

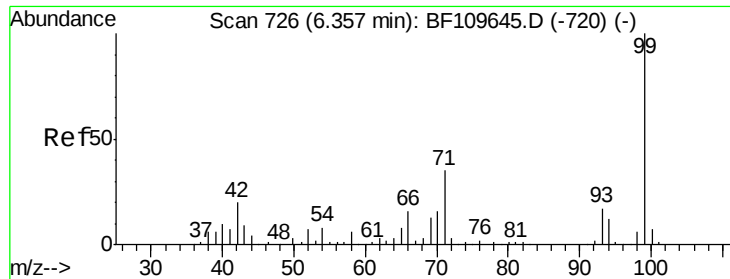
2-Fluorophenol  
Concen: 75.868 ng  
RT: 5.31 min Scan# 548  
Delta R.T. -0.01 min  
Lab File: BF109727.D  
Acq: 10 Oct 2018 6:16

Tgt Ion:112 Resp: 301408  
Ion Ratio Lower Upper  
112 100  
64 59.0 44.1 66.1  
63 32.6 23.7 35.5



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: 86.037 ng

RT: 6.34 min Scan# 723

Delta R.T. -0.02 min

Lab File: BF109727.D

Acq: 10 Oct 2018 6:16

Instrument :

BNA\_F

ClientSampleId :

S-28

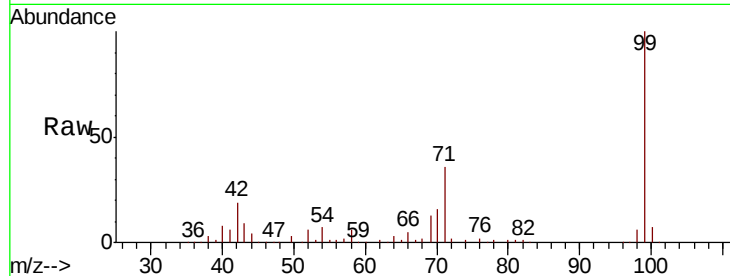
Tgt Ion: 99 Resp: 456613

Ion Ratio Lower Upper

99 100

42 19.5 15.8 23.6

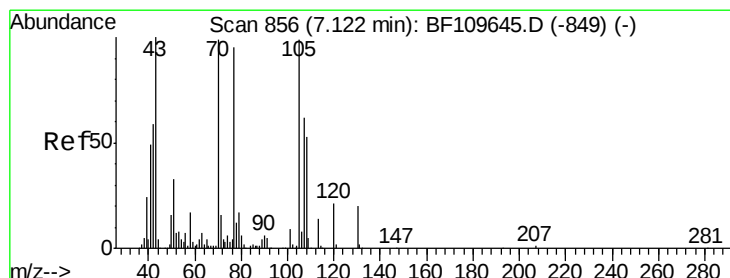
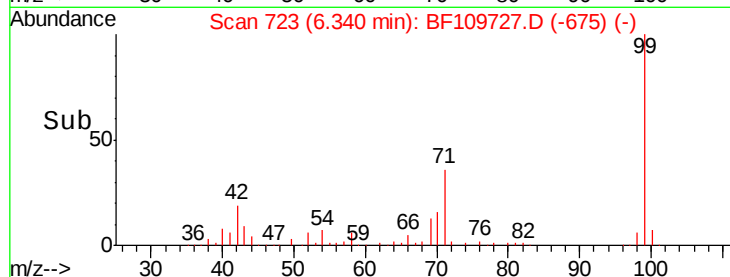
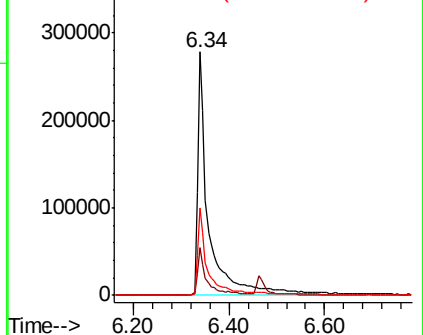
71 36.0 28.0 42.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 9.641 ng

RT: 7.26 min Scan# 879

Delta R.T. 0.14 min

Lab File: BF109727.D

Acq: 10 Oct 2018 6:16

Tgt Ion: 70 Resp: 35880

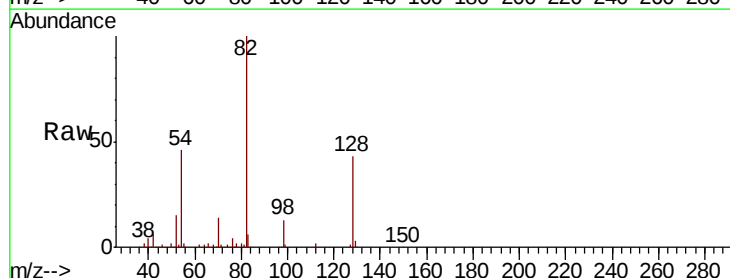
Ion Ratio Lower Upper

70 100

42 44.8 47.4 71.2#

101 0.0 7.3 10.9#

130 1.5 16.2 24.2#

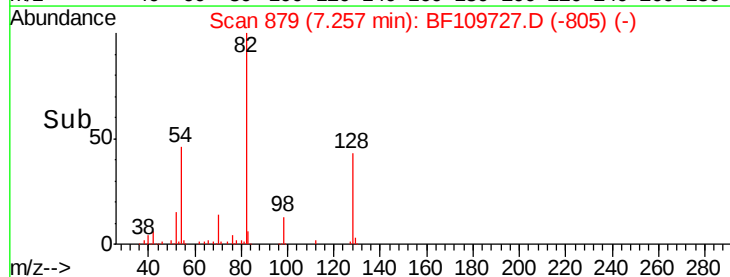
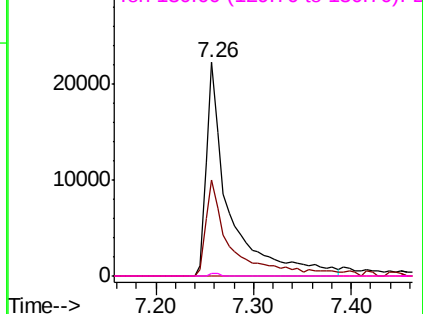


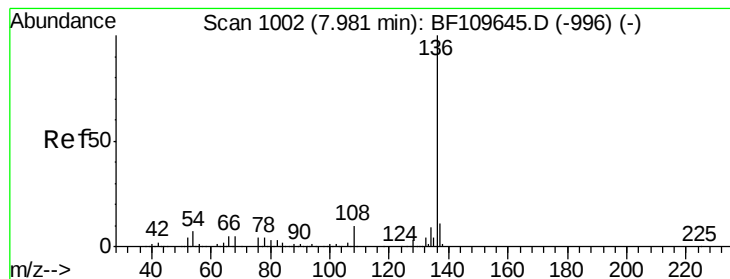
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.97 min Scan# 1001

Delta R.T. -0.01 min

Lab File: BF109727.D

Acq: 10 Oct 2018 6:16

Instrument :

BNA\_F

ClientSampleId :

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Tgt Ion: 136 Resp: 284567

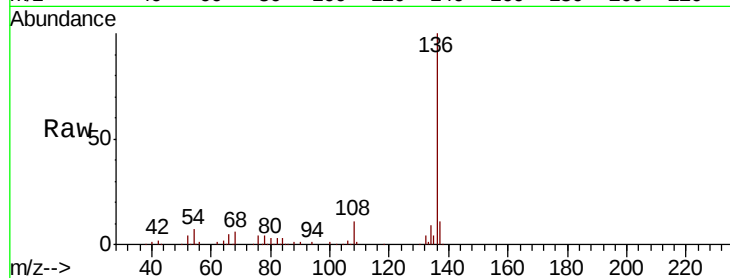
Ion Ratio Lower Upper

136 100

137 10.7 8.8 13.2

54 7.2 5.4 8.2

68 5.6 4.2 6.2

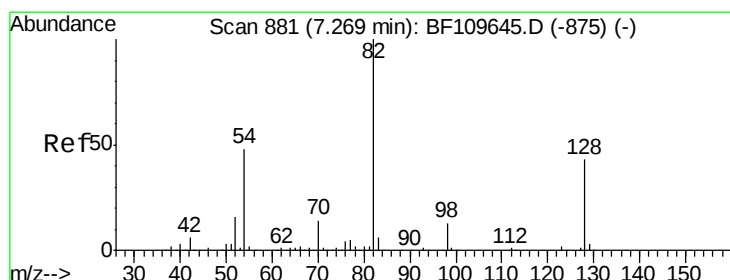
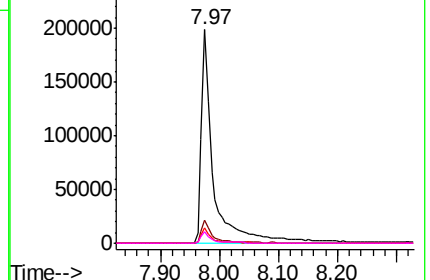
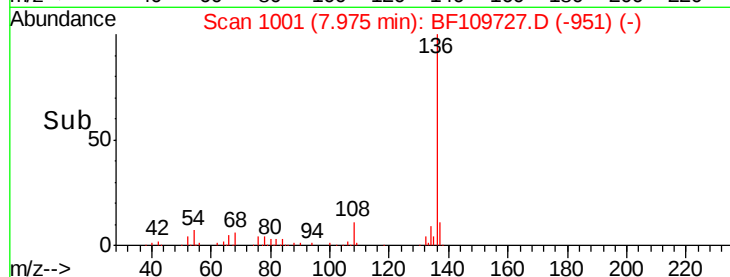


Abundance Ion 136.00 (135.70 to 136.70): E

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: 56.059 ng

RT: 7.26 min Scan# 879

Delta R.T. -0.01 min

Lab File: BF109727.D

Acq: 10 Oct 2018 6:16

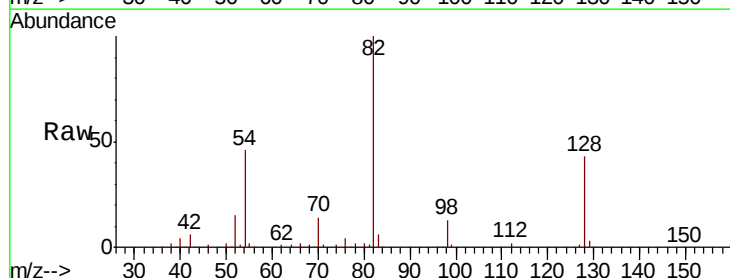
Tgt Ion: 82 Resp: 289397

Ion Ratio Lower Upper

82 100

128 42.9 34.2 51.2

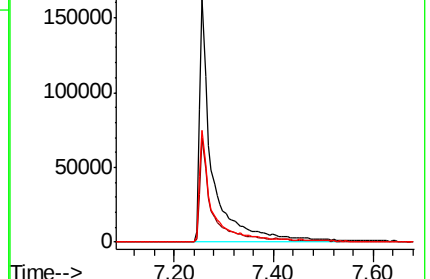
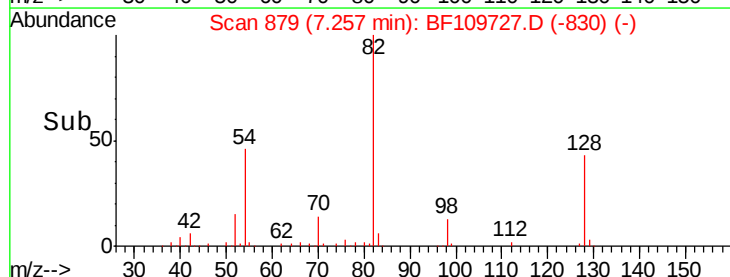
54 45.8 38.6 58.0

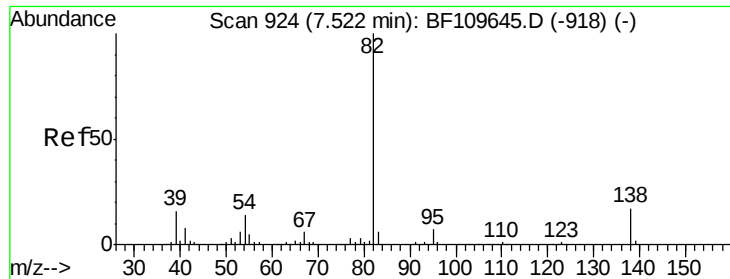


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 34.298 ng

RT: 7.26 min Scan# 879

Delta R.T. -0.26 min

Lab File: BF109727.D

Acq: 10 Oct 2018 6:16

Instrument :

BNA\_F

ClientSampleId :

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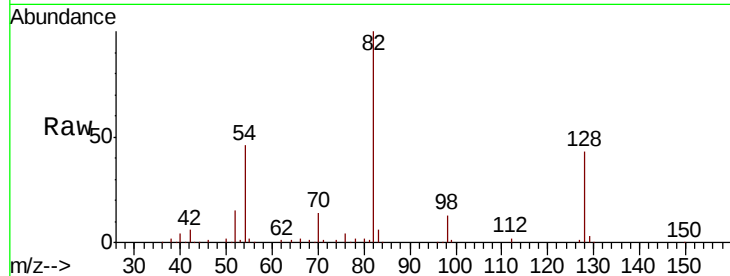
Tgt Ion: 82 Resp: 294015

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

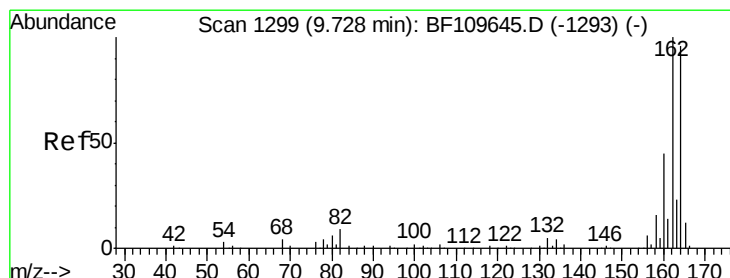
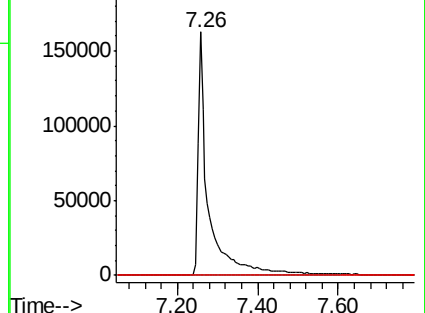
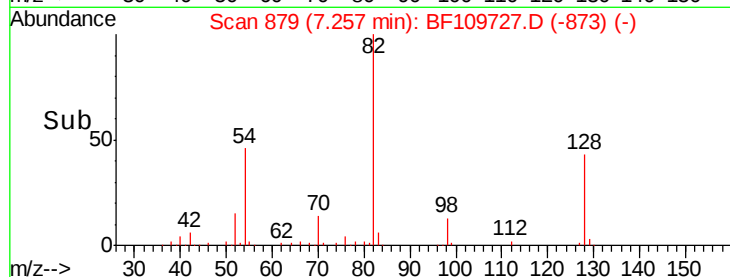
138 0.0 13.2 19.8#



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



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.72 min Scan# 1298

Delta R.T. -0.01 min

Lab File: BF109727.D

Acq: 10 Oct 2018 6:16

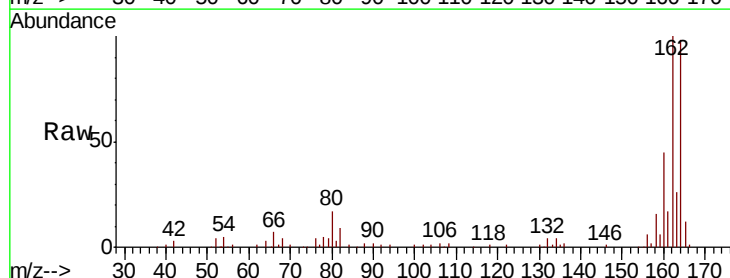
Tgt Ion: 164 Resp: 111624

Ion Ratio Lower Upper

164 100

162 101.9 83.0 124.6

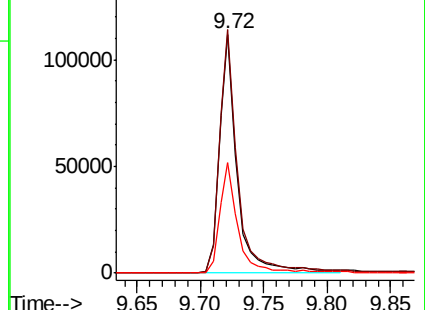
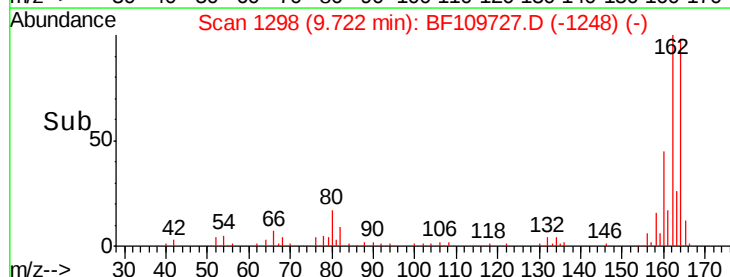
160 46.4 37.0 55.6

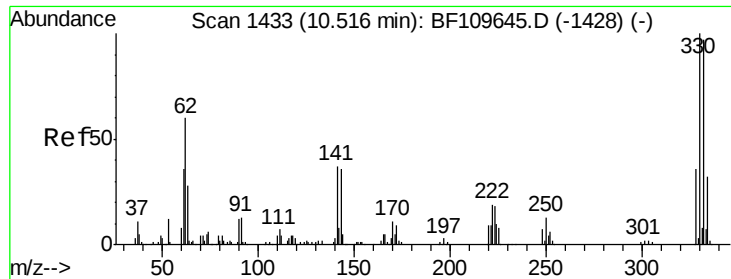


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

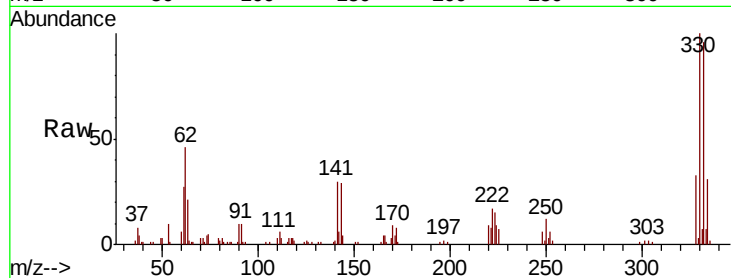




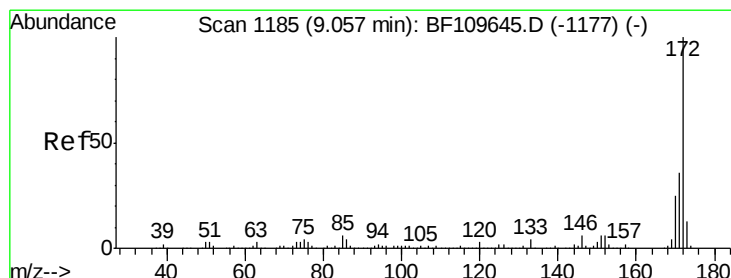
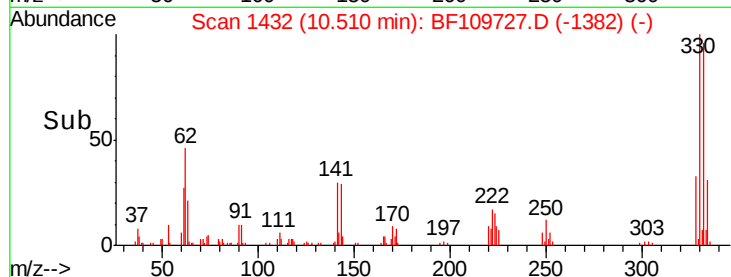
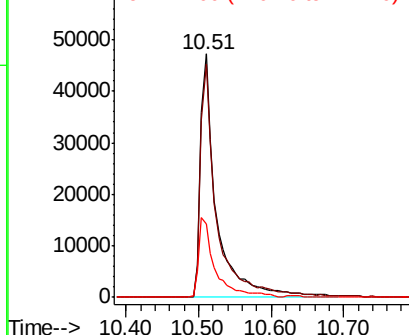
#41  
 2,4,6-Tribromophenol  
 Concen: 60.621 ng  
 RT: 10.51 min Scan# 1432  
 Delta R.T. -0.01 min  
 Lab File: BF109727.D  
 Acq: 10 Oct 2018 6:16

Instrument :  
 BNA\_F  
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Tgt Ion:330 Resp: 73731  
 Ion Ratio Lower Upper  
 330 100  
 332 96.8 77.1 115.7  
 141 33.2 27.0 40.4

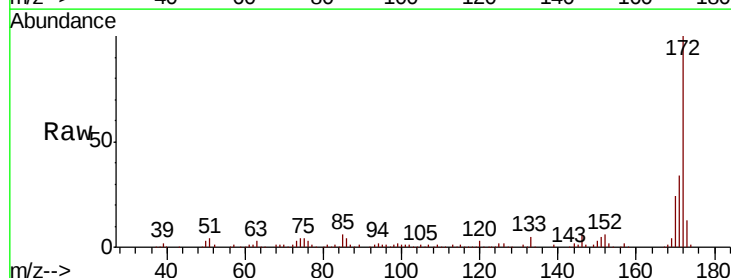


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

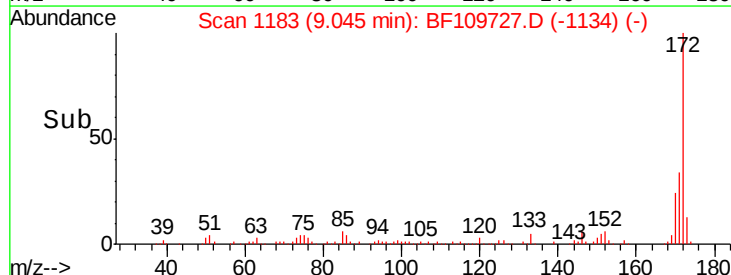
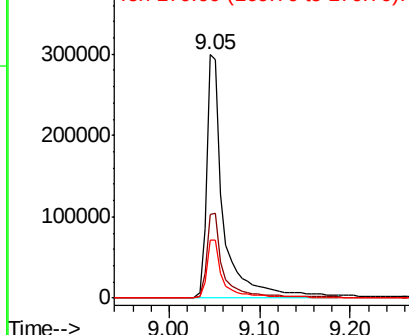


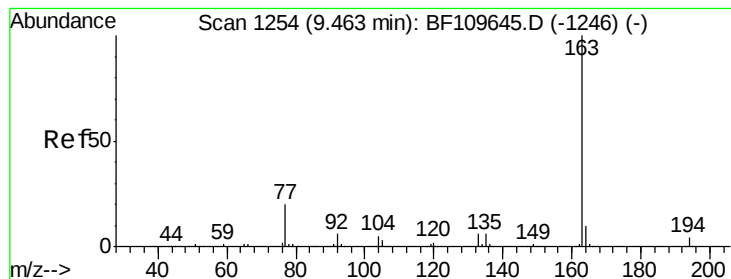
#44  
 2-Fluorobiphenyl  
 Concen: 49.329 ng  
 RT: 9.05 min Scan# 1183  
 Delta R.T. -0.01 min  
 Lab File: BF109727.D  
 Acq: 10 Oct 2018 6:16

Tgt Ion:172 Resp: 399806  
 Ion Ratio Lower Upper  
 172 100  
 171 34.4 28.6 43.0  
 170 23.8 19.7 29.5



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





#49

Dimethylphthalate

Concen: 11.652 ng

RT: 9.45 min Scan# 1251

Delta R.T. -0.02 min

Lab File: BF109727.D

Acq: 10 Oct 2018 6:16

Instrument :

BNA\_F

ClientSampled :

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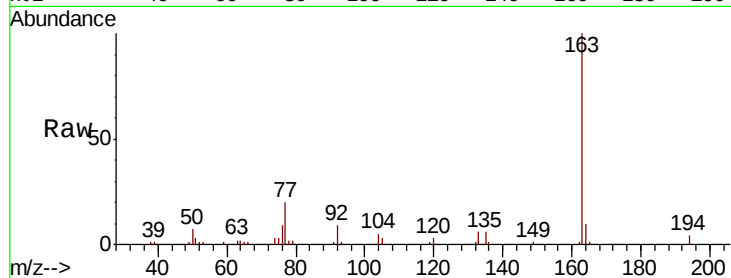
Tgt Ion:163 Resp: 95391

Ion Ratio Lower Upper

163 100

194 3.9 3.2 4.8

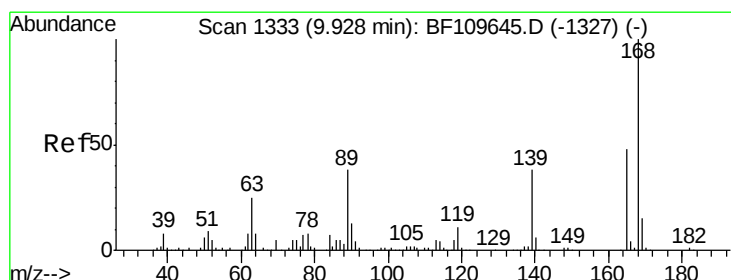
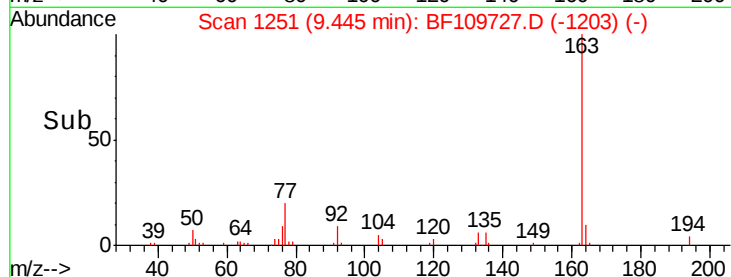
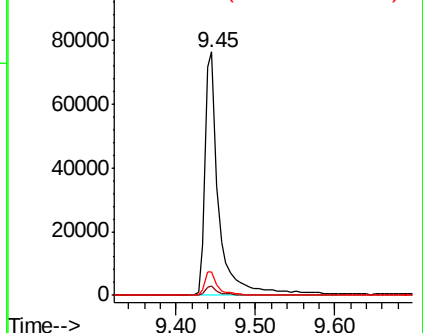
164 9.8 8.1 12.1



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



#56

2,4-Dinitrotoluene

Concen: 6.249 ng

RT: 9.72 min Scan# 1298

Delta R.T. -0.21 min

Lab File: BF109727.D

Acq: 10 Oct 2018 6:16

Tgt Ion:165 Resp: 13840

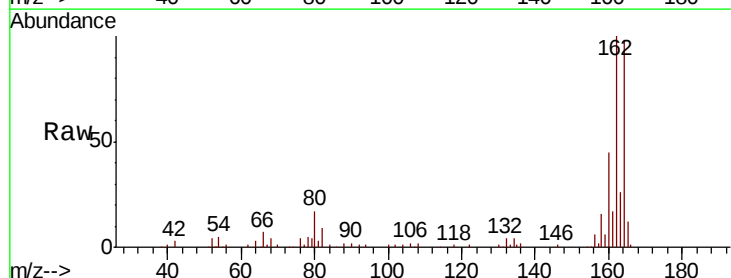
Ion Ratio Lower Upper

165 100

63 0.0 44.8 67.2#

89 0.0 62.2 93.4#

182 0.0 2.1 3.1#

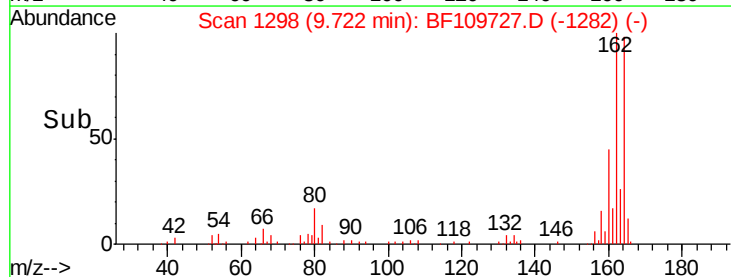
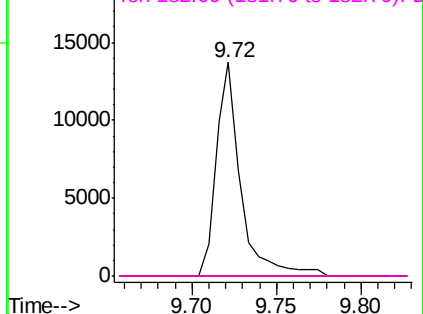


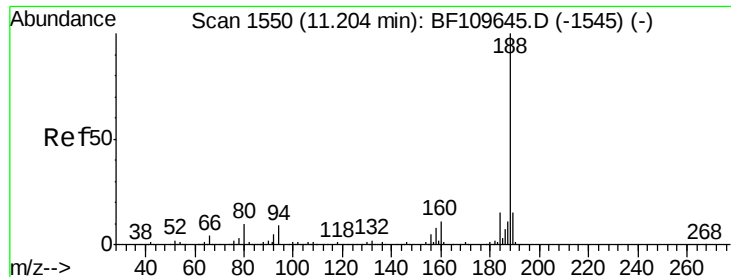
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.20 min Scan# 1549

Delta R.T. -0.01 min

Lab File: BF109727.D

Acq: 10 Oct 2018 6:16

Instrument :

BNA\_F

ClientSampleId :

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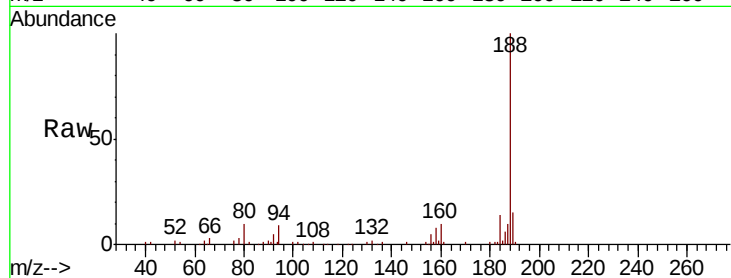
Tgt Ion:188 Resp: 188998

Ion Ratio Lower Upper

188 100

94 9.5 7.2 10.8

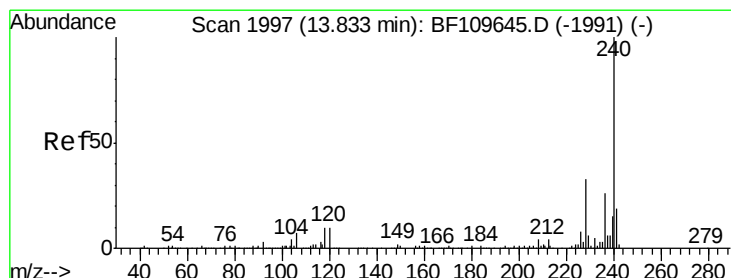
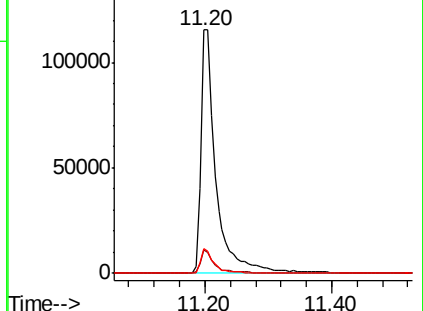
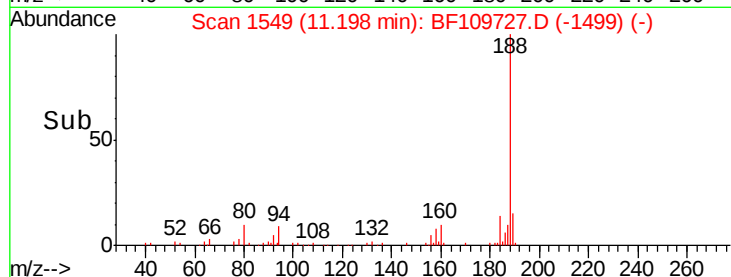
80 10.3 7.9 11.9



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



#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.83 min Scan# 1996

Delta R.T. -0.01 min

Lab File: BF109727.D

Acq: 10 Oct 2018 6:16

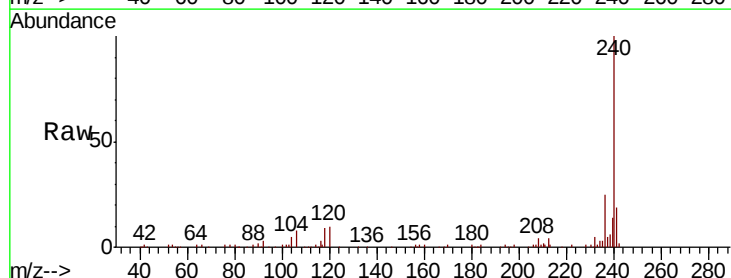
Tgt Ion:240 Resp: 204443

Ion Ratio Lower Upper

240 100

120 9.8 8.3 12.5

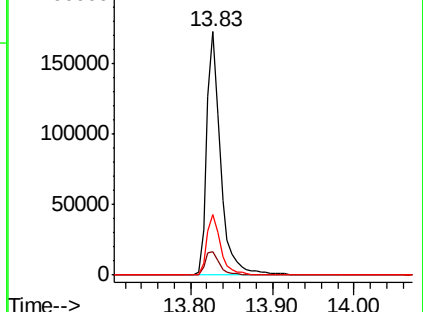
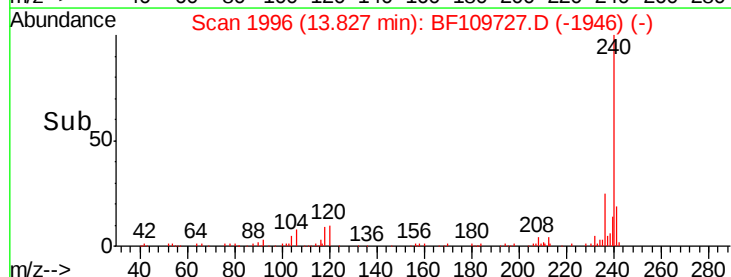
236 24.8 21.2 31.8

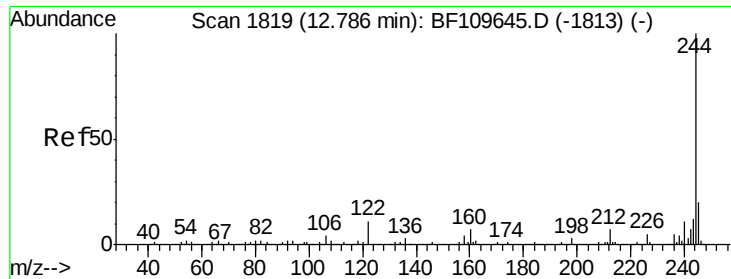


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 32.293 ng

RT: 12.77 min Scan# 1817

Delta R.T. -0.01 min

Lab File: BF109727.D

Acq: 10 Oct 2018 6:16

Instrument :

BNA\_F

ClientSampleId :

S-28

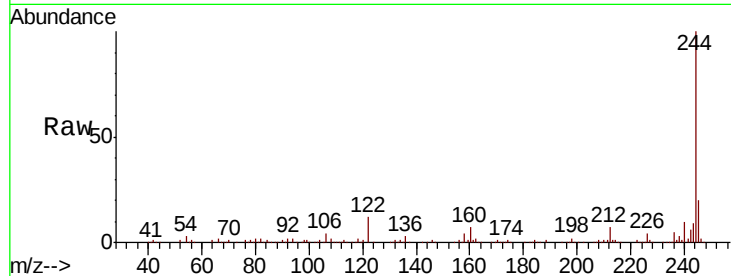
Tgt Ion:244 Resp: 341046

Ion Ratio Lower Upper

244 100

212 6.9 5.8 8.8

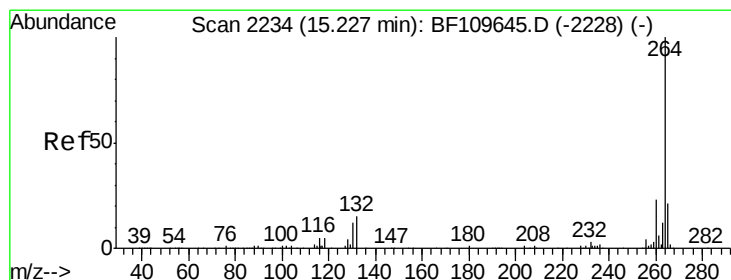
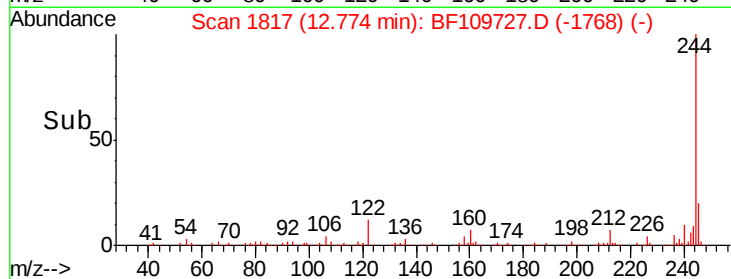
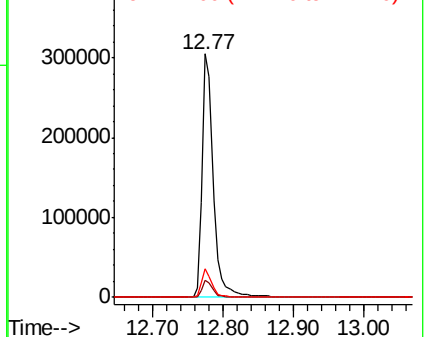
122 11.6 8.7 13.1



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.22 min Scan# 2233

Delta R.T. -0.01 min

Lab File: BF109727.D

Acq: 10 Oct 2018 6:16

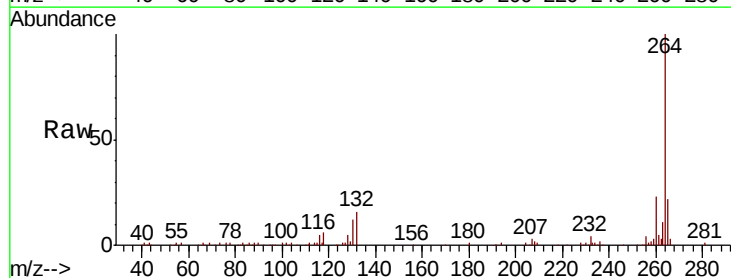
Tgt Ion:264 Resp: 165804

Ion Ratio Lower Upper

264 100

260 23.4 18.7 28.1

265 21.8 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

