

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF121217\  
 Data File : BF101357.D  
 Acq On : 13 Dec 2017 4:37  
 Operator : SJ/JU  
 Sample : I6764-02  
 Misc :  
 ALS Vial : 30 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Dec 13 05:09:21 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Dec 08 18:17:31 2017  
 Response via : Initial Calibration

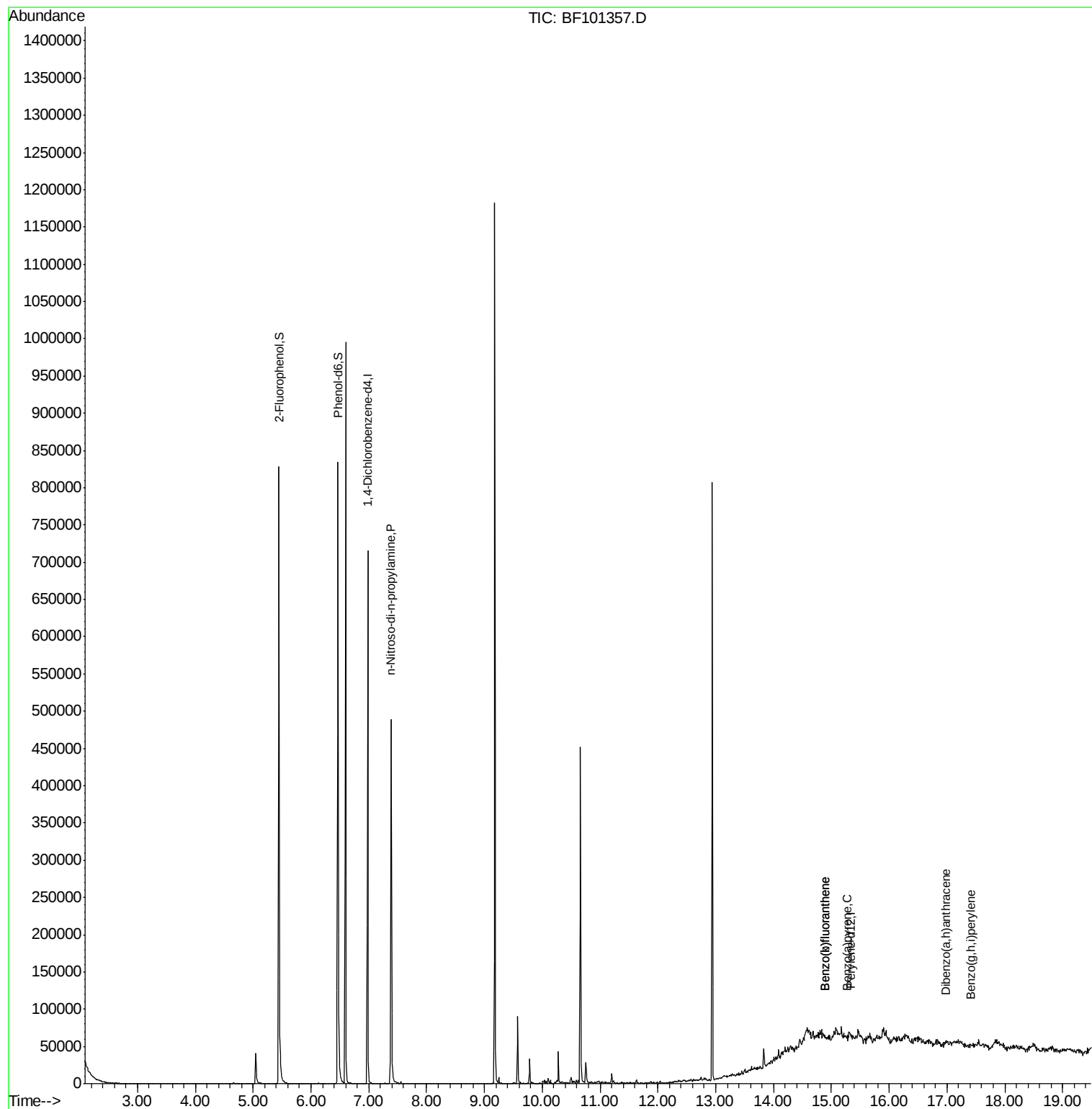
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.98  | 152  | 118384   | 20.00  | ng    | 0.16     |
| 21) Naphthalene-d8             | 0.00  | 136  | 0        | 0.00   | ng    | -8.11    |
| 38) Acenaphthene-d10           | 0.00  | 164  | 0        | 0.00   | ng    | -9.87    |
| 63) Phenanthrene-d10           | 0.00  | 188  | 0        | 0.00   | ng    | -11.36   |
| 75) Chrysene-d12               | 0.00  | 240  | 0        | 0.00   | ng    | -14.00   |
| 86) Perylene-d12               | 15.34 | 264  | 116      | 20.00  | ng    | -0.13    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.45  | 112  | 246703   | 34.44  | ng    | 0.00     |
| 7) Phenol-d6                   | 6.46  | 99   | 297443   | 34.20  | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.39  | 82   | 165792   | 0.00   | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol       | 10.66 | 330  | 56674    | 0.00   | ng    | 0.00     |
| 44) 2-Fluorobiphenyl           | 9.18  | 172  | 340315   | 0.00   | ng    | 0.00     |
| 78) Terphenyl-d14              | 12.94 | 244  | 280542   | 0.00   | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 19) n-Nitroso-di-n-propylamine | 7.39  | 70   | 20738    | 3.540  | ng    | # 85     |
| 87) Benzo(b)fluoranthene       | 14.89 | 252  | 131      | 18.854 | ng    | # 1      |
| 88) Benzo(k)fluoranthene       | 14.89 | 252  | 131      | 19.137 | ng    | # 1      |
| 89) Benzo(a)pyrene             | 15.27 | 252  | 146      | 23.113 | ng    | # 1      |
| 90) Dibenzo(a,h)anthracene     | 16.98 | 278  | 137      | 24.601 | ng    | # 1      |
| 91) Benzo(g,h,i)perylene       | 17.40 | 276  | 127      | 24.199 | ng    | # 1      |

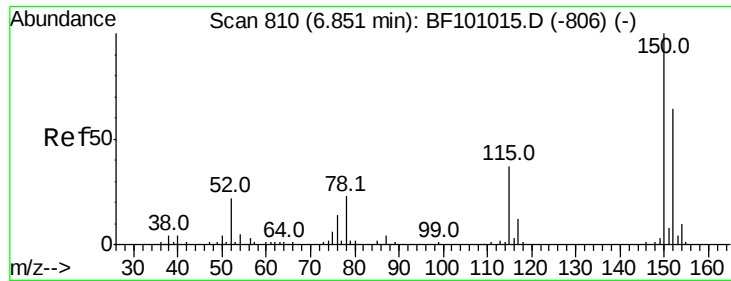
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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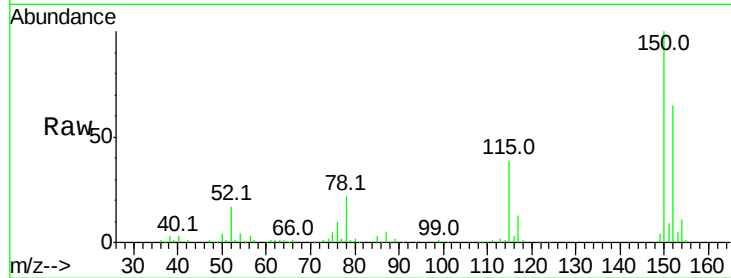


#1

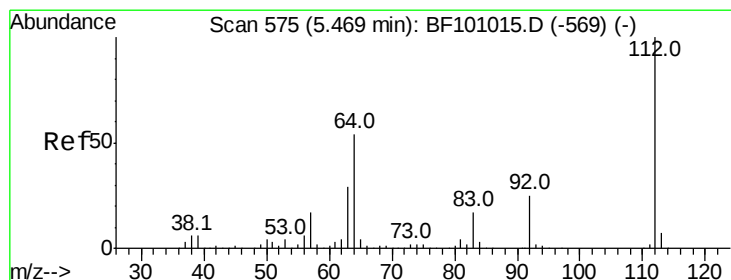
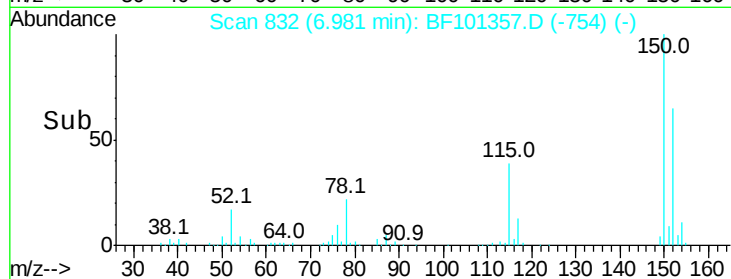
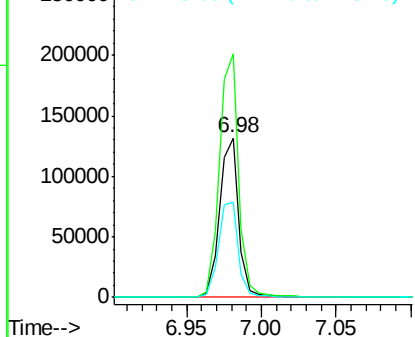
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.98 min Scan# 832  
Delta R.T. 0.16 min  
Lab File: BF101357.D  
Acq: 13 Dec 2017 4:37

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:152 Resp: 118384  
Ion Ratio Lower Upper  
152 100  
150 152.7 124.6 186.8  
115 59.4 50.1 75.1



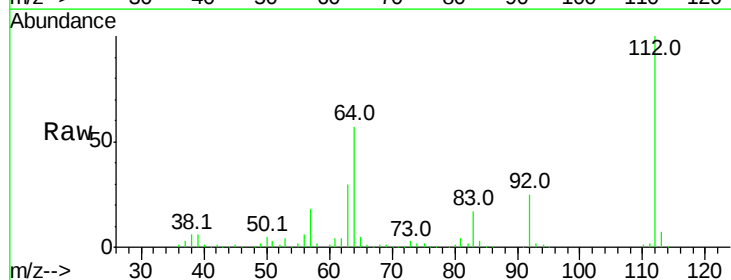
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



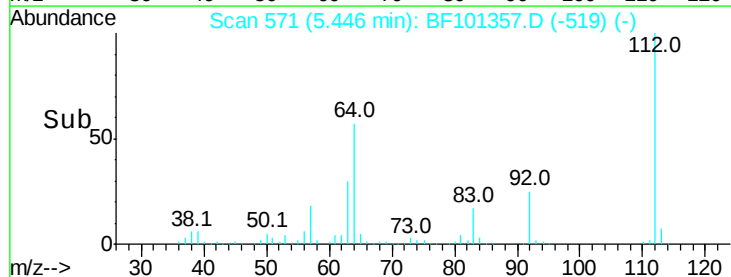
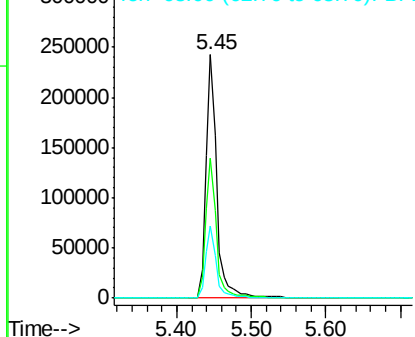
#5

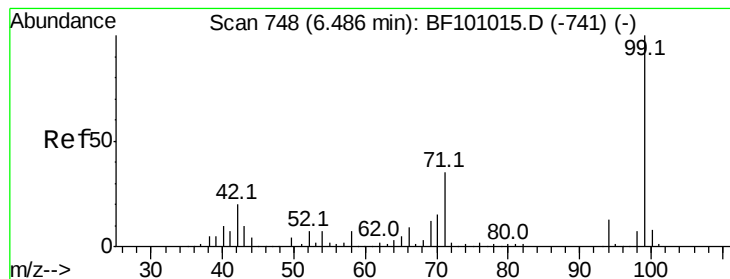
2-Fluorophenol  
Concen: 34.436 ng  
RT: 5.45 min Scan# 571  
Delta R.T. 0.01 min  
Lab File: BF101357.D  
Acq: 13 Dec 2017 4:37

Tgt Ion:112 Resp: 246703  
Ion Ratio Lower Upper  
112 100  
64 57.4 47.9 71.9  
63 29.8 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: 34.197 ng

RT: 6.46 min Scan# 744

Delta R.T. 0.00 min

Lab File: BF101357.D

Acq: 13 Dec 2017 4:37

Instrument :

BNA\_F

ClientSampleId :

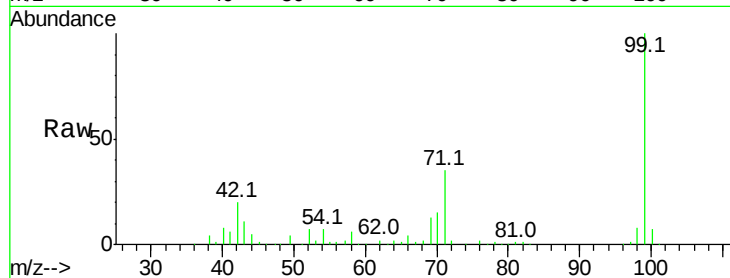
Tot Ion: 99 Resp: 297443

Ion Ratio Lower Upper

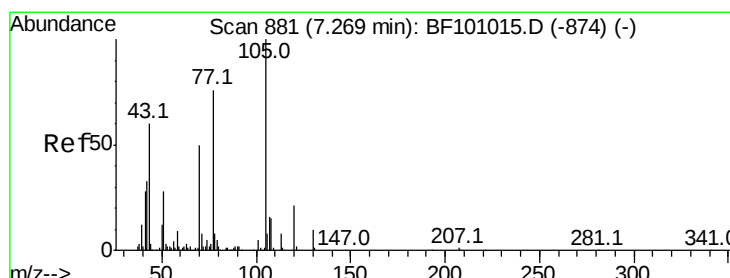
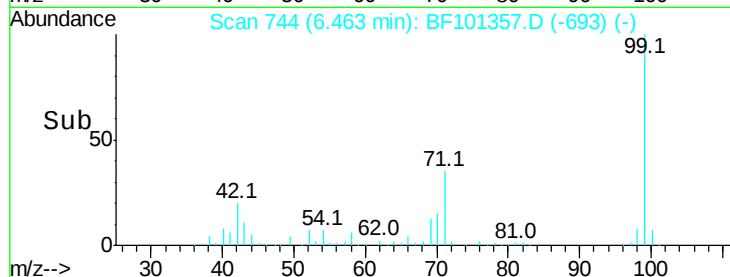
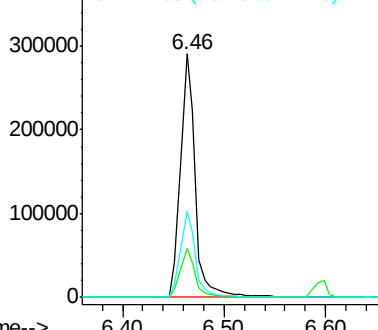
99 100

42 20.1 14.5 21.7

71 35.5 25.4 38.0



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: 3.540 ng

RT: 7.39 min Scan# 901

Delta R.T. 0.15 min

Lab File: BF101357.D

Acq: 13 Dec 2017 4:37

Tgt Ion: 70 Resp: 20738

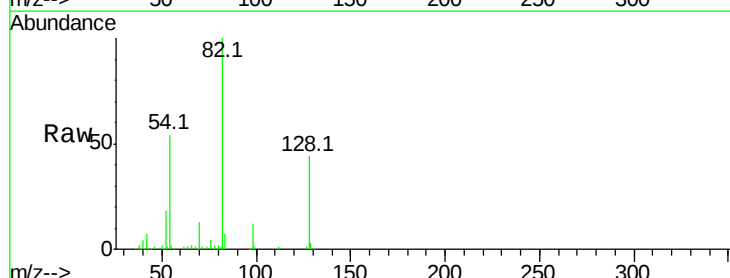
Ion Ratio Lower Upper

70 100

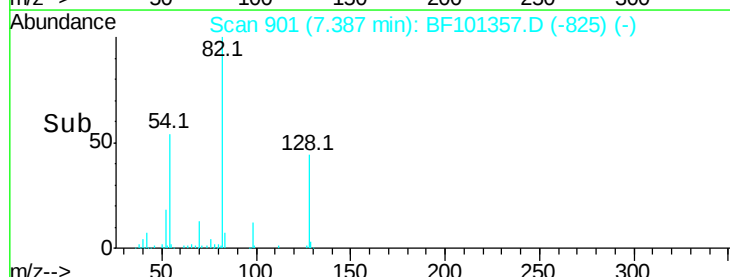
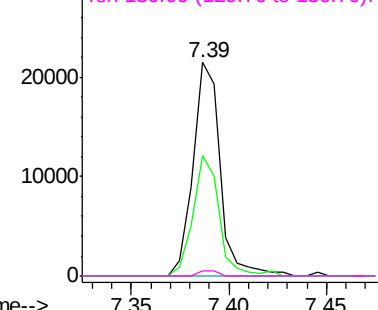
42 56.3 47.5 71.3

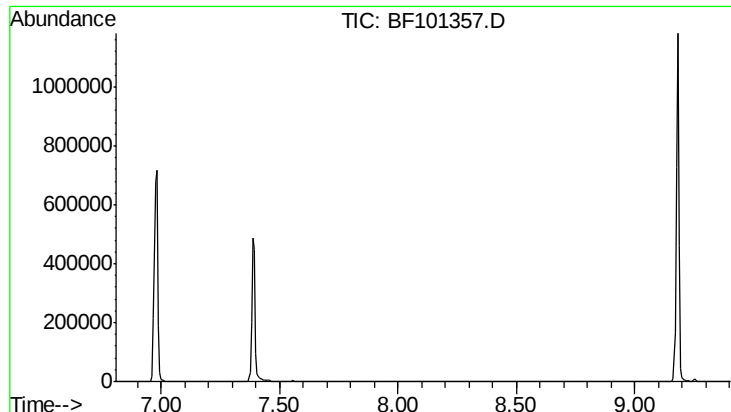
101 0.0 7.4 11.2#

130 2.3 16.6 25.0#



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

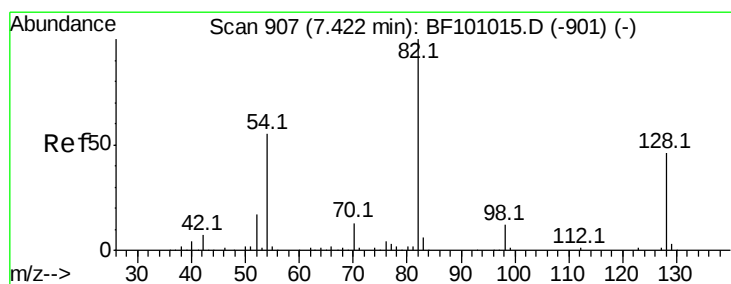
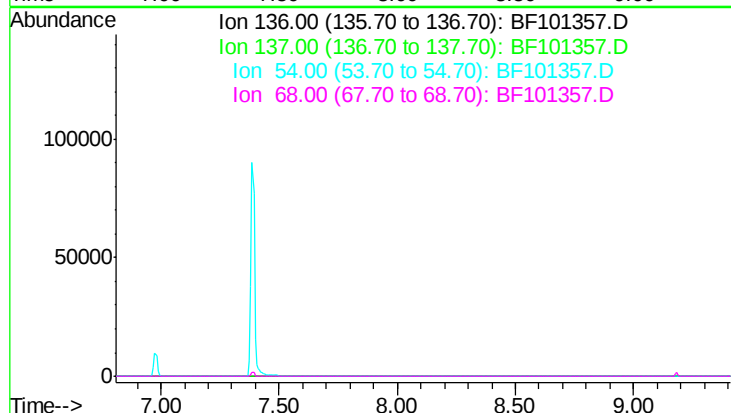




#21  
Naphthalene-d8  
Concen: 0.000 ng  
Expected RT: 8.11 min  
Lab File: BF101357.D  
Acq: 13 Dec 2017 4:37

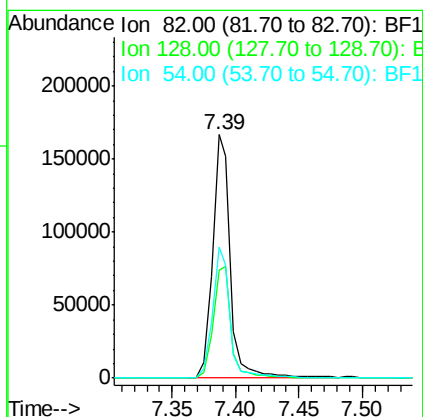
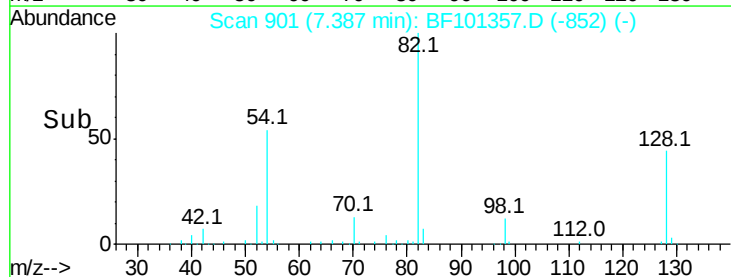
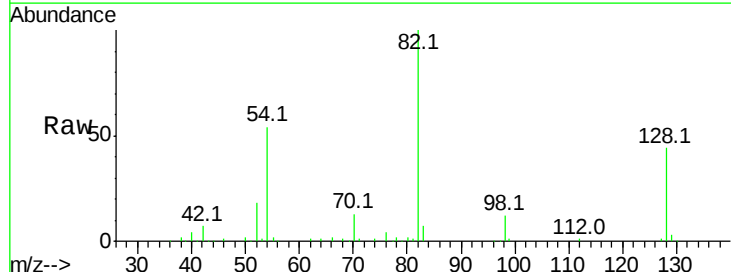
Instrument :  
BNA\_F  
ClientSampleId :

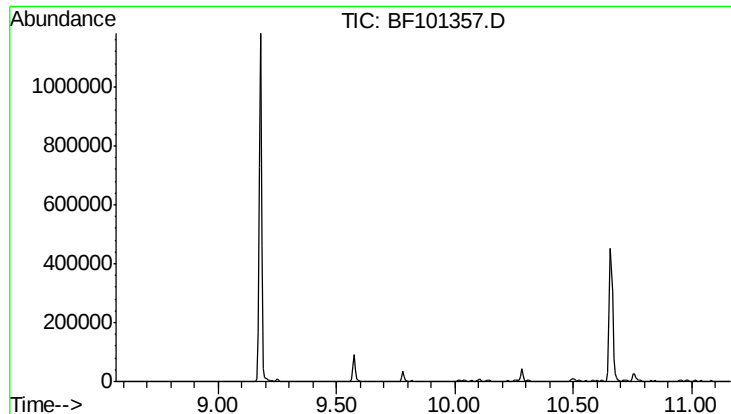
Tot Ion: 136  
Sig Exp Ratio  
136 100  
137 11.1  
54 8.2  
68 6.2



#23  
Nitrobenzene-d5  
Concen: 0.000 ng  
RT: 7.39 min Scan# 901  
Delta R.T. -0.01 min  
Lab File: BF101357.D  
Acq: 13 Dec 2017 4:37

Tgt Ion: 82 Resp: 165792  
Ion Ratio Lower Upper  
82 100  
128 44.4 36.1 54.1  
54 54.0 41.4 62.2





#38

Acenaphthene-d10

Concen: 0.000 ng

Expected RT: 9.87 min

Lab File: BF101357.D

Acq: 13 Dec 2017 4:37

Instrument :

BNA\_F

ClientSampleId :

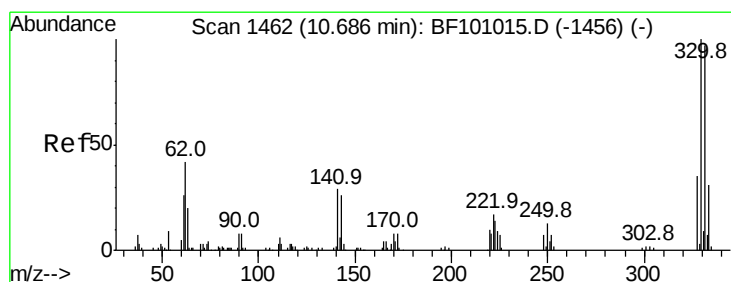
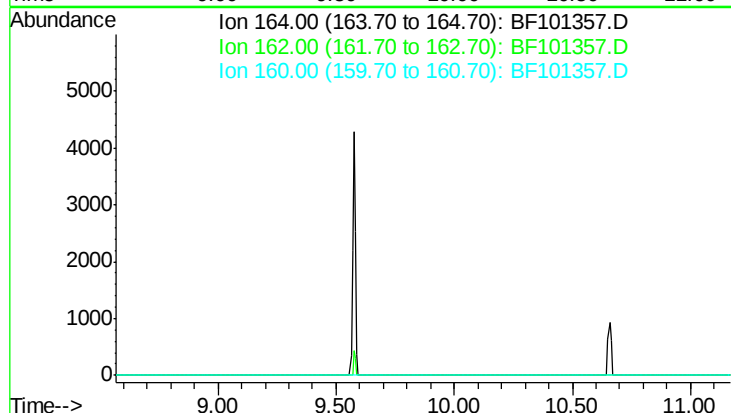
Tot Ion: 164

Sig Exp Ratio

164 100

162 107.6

160 47.9



#41

2,4,6-Tribromophenol

Concen: 0.000 ng

RT: 10.66 min Scan# 1457

Delta R.T. -0.01 min

Lab File: BF101357.D

Acq: 13 Dec 2017 4:37

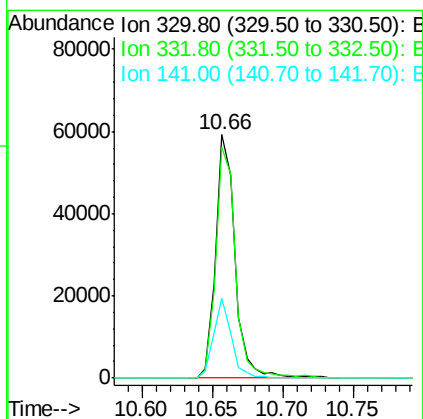
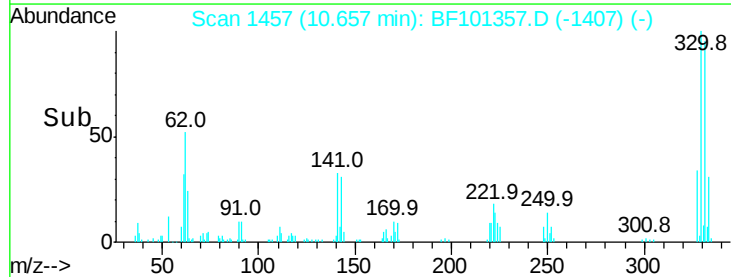
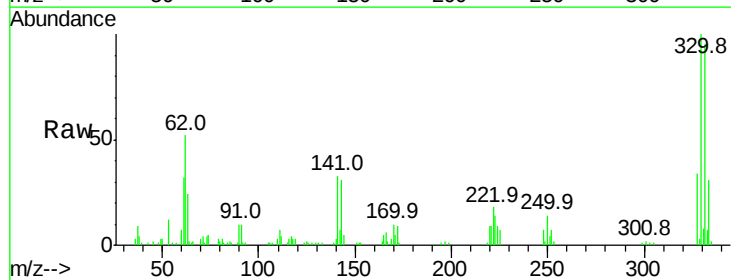
Tgt Ion: 330 Resp: 56674

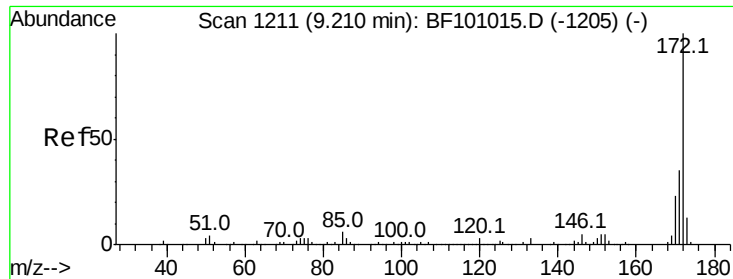
Ion Ratio Lower Upper

330 100

332 96.5 77.0 115.6

141 29.9 29.9 44.9#

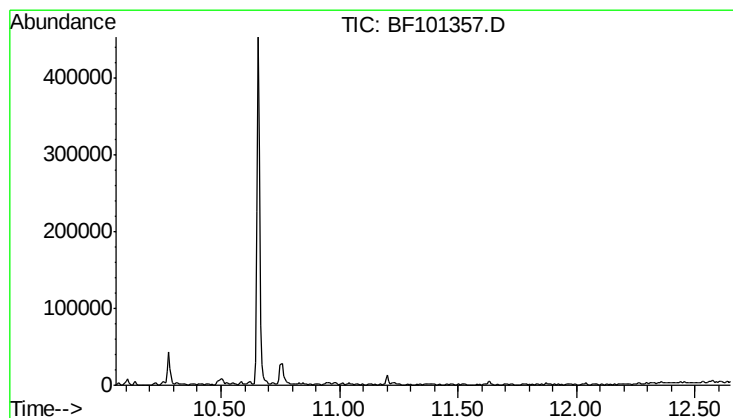
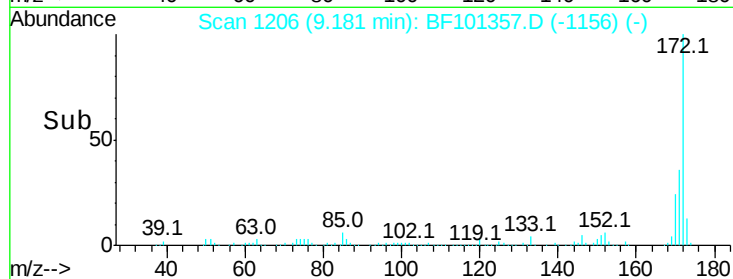
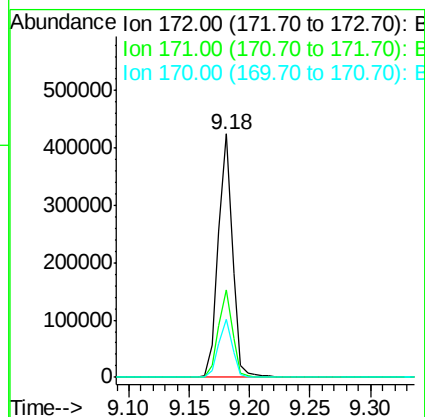
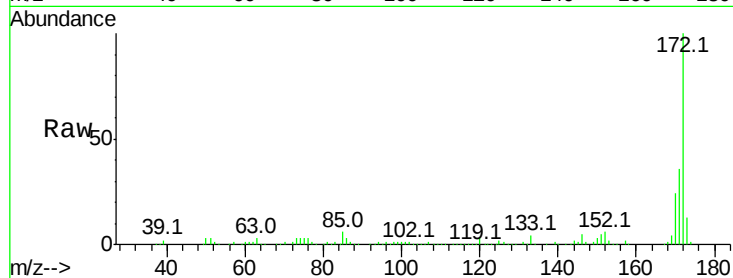




#44  
 2-Fluorobiphenyl  
 Concen: 0.000 ng  
 RT: 9.18 min Scan# 1206  
 Delta R.T. -0.01 min  
 Lab File: BF101357.D  
 Acq: 13 Dec 2017 4:37

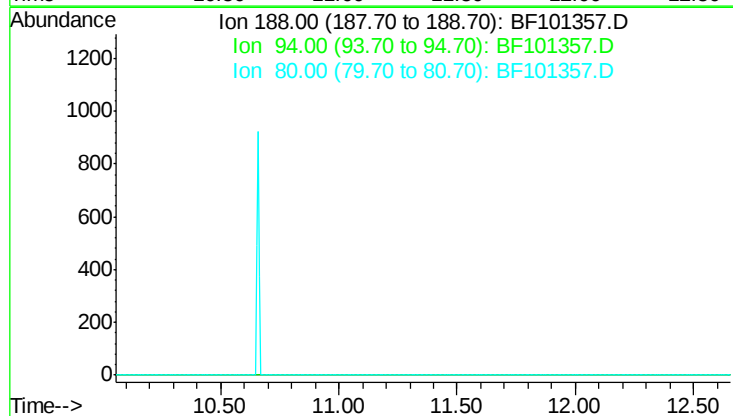
Instrument :  
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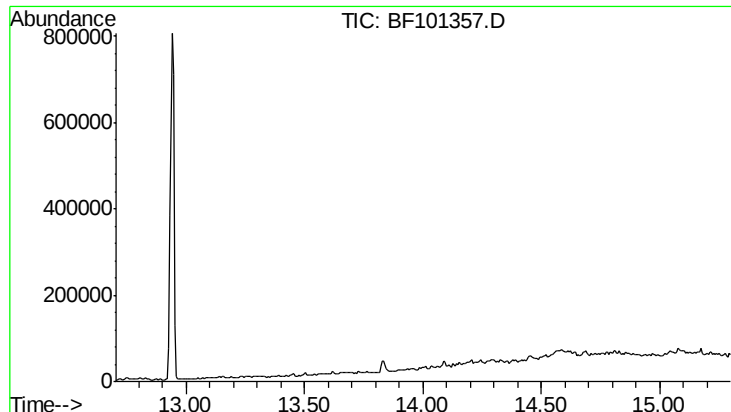
Tot Ion:172 Resp: 340315  
 Ion Ratio Lower Upper  
 172 100  
 171 36.0 29.7 44.5  
 170 23.9 19.6 29.4



#63  
 Phenanthrene-d10  
 Concen: 0.000 ng  
 Expected RT: 11.36 min  
 Lab File: BF101357.D  
 Acq: 13 Dec 2017 4:37

Tgt Ion: 188  
 Sig Exp Ratio  
 188 100  
 94 10.6  
 80 11.5

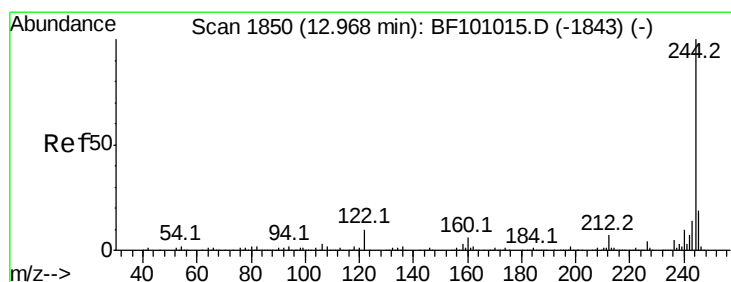
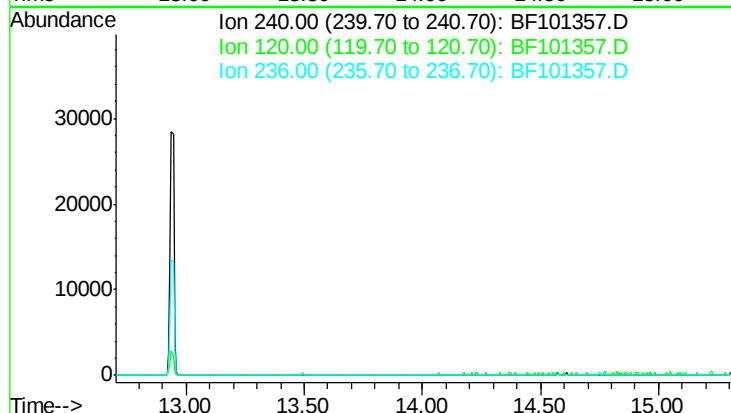




#75  
 Chrvsene-d12  
 Concen: 0.000 ng  
 Expected RT: 14.00 min  
 Lab File: BF101357.D  
 Acq: 13 Dec 2017 4:37

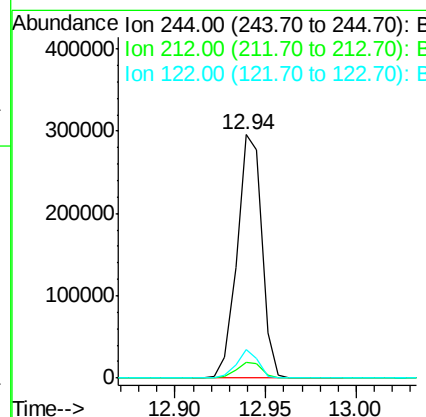
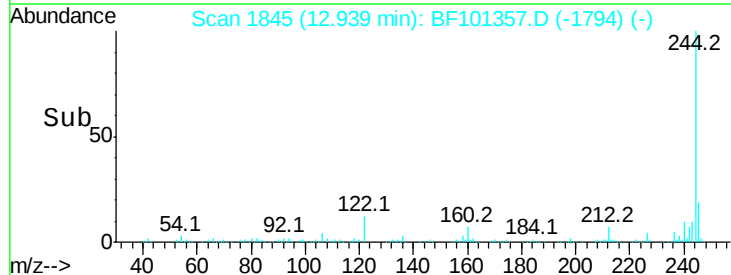
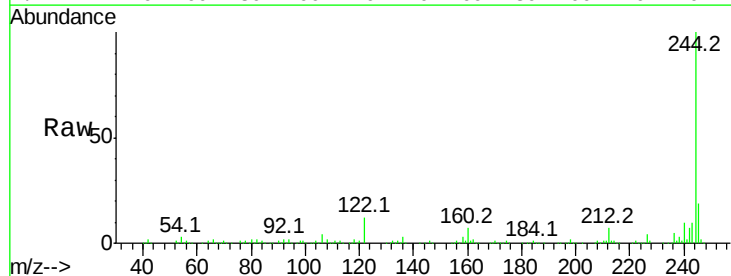
Instrument :  
 BNA\_F  
 ClientSampleId :

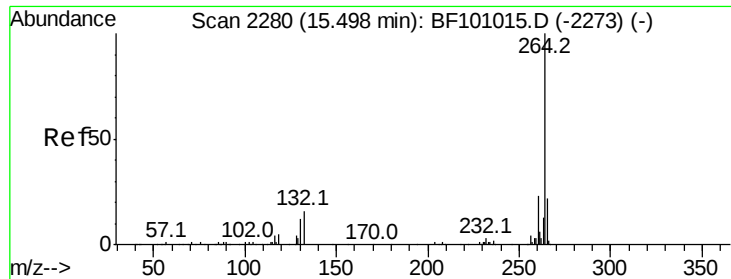
Tot Ion: 240  
 Sig Exp Ratio  
 240 100  
 120 11.9  
 236 25.9



#78  
 Terphenyl-d14  
 Concen: 0.000 ng  
 RT: 12.94 min Scan# 1845  
 Delta R.T. 0.00 min  
 Lab File: BF101357.D  
 Acq: 13 Dec 2017 4:37

Tgt Ion:244 Resp: 280542  
 Ion Ratio Lower Upper  
 244 100  
 212 6.7 5.4 8.0  
 122 11.7 11.0 16.4

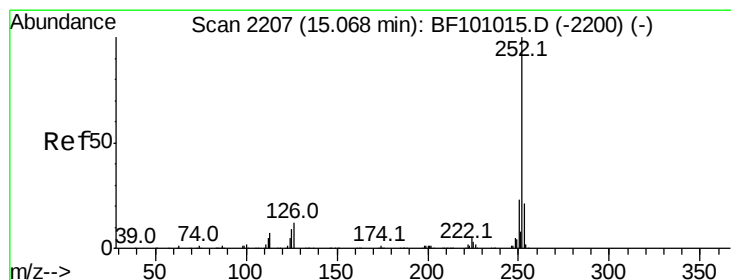
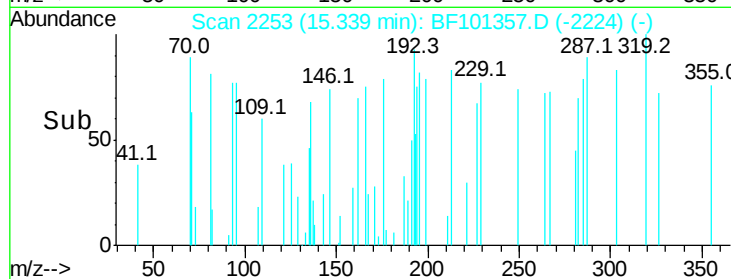
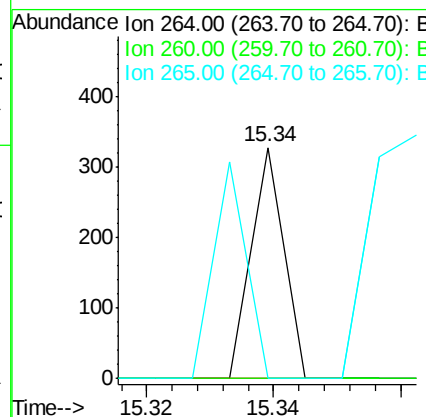
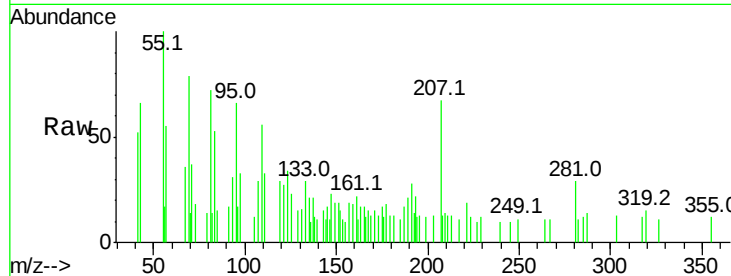




#86  
Pervlene-d12  
Concen: 20.000 ng  
RT: 15.34 min Scan# 2253  
Delta R.T. -0.13 min  
Lab File: BF101357.D  
Acq: 13 Dec 2017 4:37

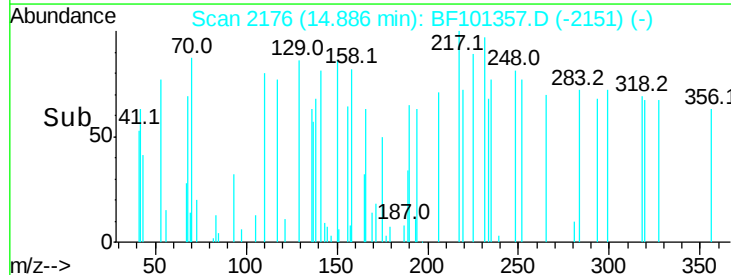
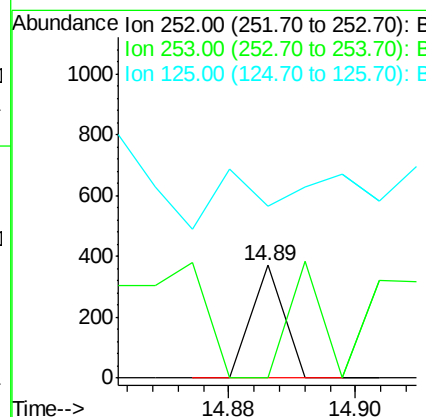
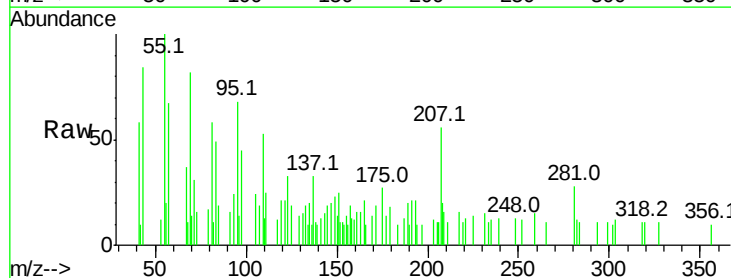
Instrument :  
BNA\_F  
ClientSampled :

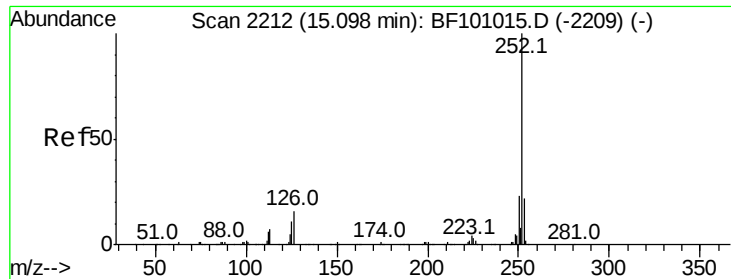
Tot Ion:264 Resp: 116  
Ion Ratio Lower Upper  
264 100  
260 0.0 19.2 28.8#  
265 0.0 17.5 26.3#



#87  
Benzo(b)fluoranthene  
Concen: 18.854 ng  
RT: 14.89 min Scan# 2176  
Delta R.T. -0.15 min  
Lab File: BF101357.D  
Acq: 13 Dec 2017 4:37

Tgt Ion:252 Resp: 131  
Ion Ratio Lower Upper  
252 100  
253 0.0 17.0 25.6#  
125 152.6 9.0 13.6#

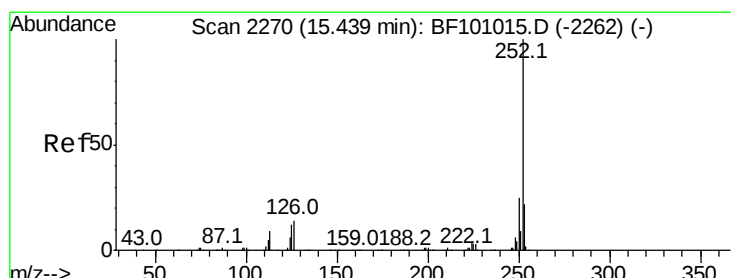
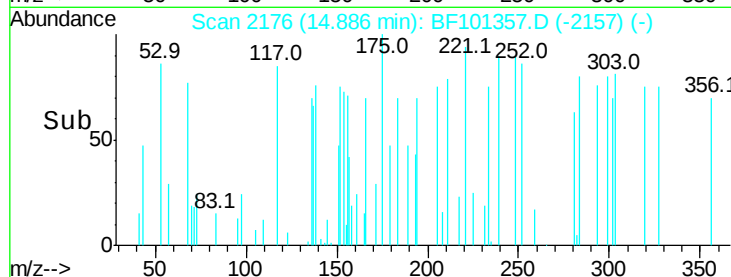
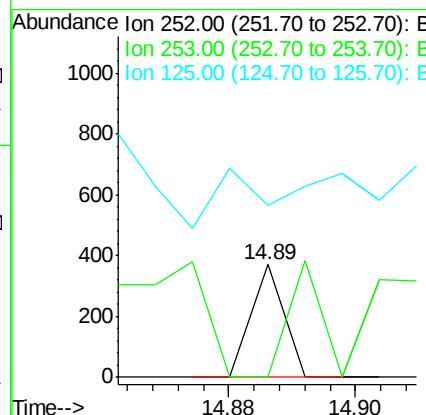
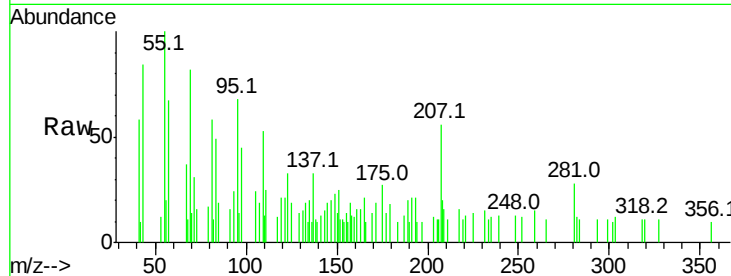




#88  
Benzo(k)fluoranthene  
Concen: 19.137 ng  
RT: 14.89 min Scan# 2176  
Delta R.T. -0.19 min  
Lab File: BF101357.D  
Acq: 13 Dec 2017 4:37

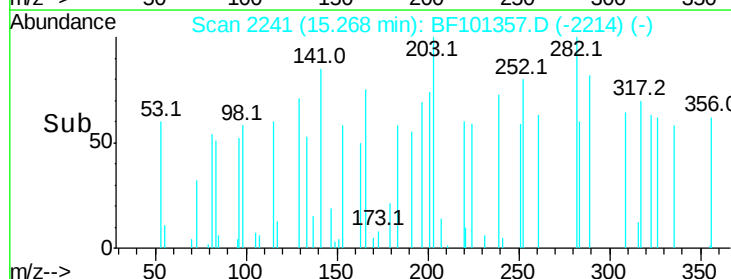
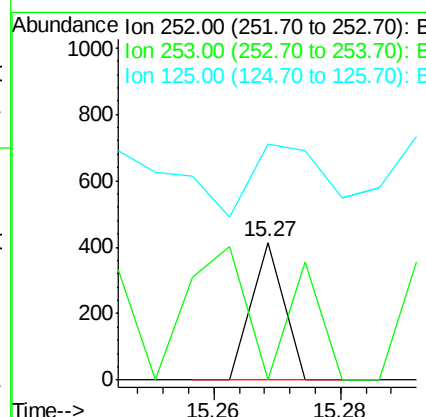
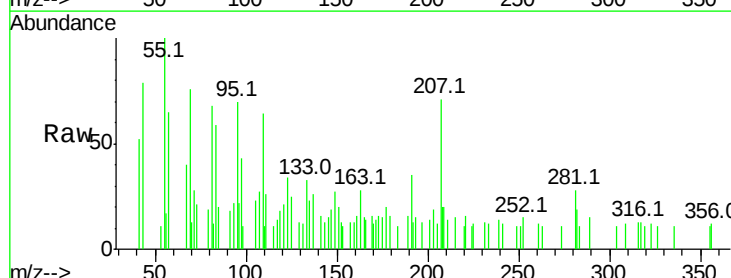
Instrument :  
BNA\_F  
ClientSampleId :

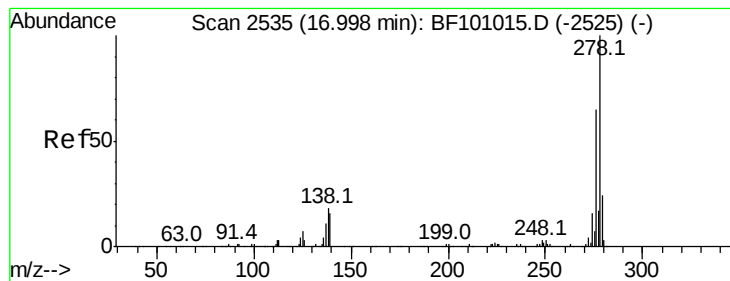
Tot Ion:252 Resp: 131  
Ion Ratio Lower Upper  
252 100  
253 0.0 17.9 26.9#  
125 152.6 10.2 15.2#



#89  
Benzo(a)pyrene  
Concen: 23.113 ng  
RT: 15.27 min Scan# 2241  
Delta R.T. -0.14 min  
Lab File: BF101357.D  
Acq: 13 Dec 2017 4:37

Tgt Ion:252 Resp: 146  
Ion Ratio Lower Upper  
252 100  
253 0.0 17.1 25.7#  
125 171.3 9.8 14.6#





#90

Dibenzo(a,h)anthracene

Concen: 24.601 ng

RT: 16.98 min Scan# 2532

Delta R.T. 0.02 min

Lab File: BF101357.D

Acq: 13 Dec 2017 4:37

Instrument :

BNA\_F

ClientSampleId :

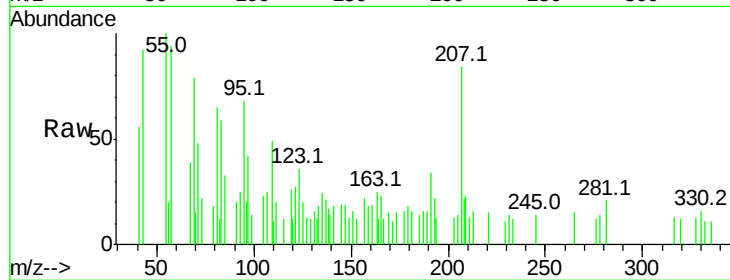
Tot Ion:278 Resp: 137

Ion Ratio Lower Upper

278 100

139 100.3 15.9 23.9#

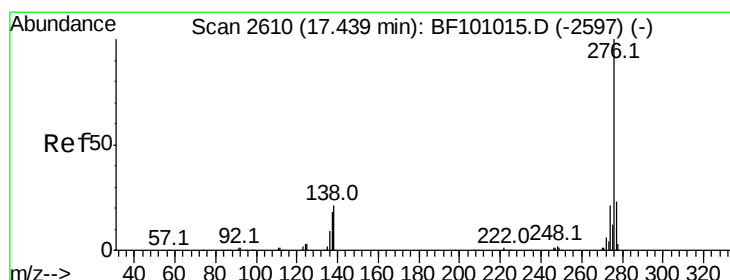
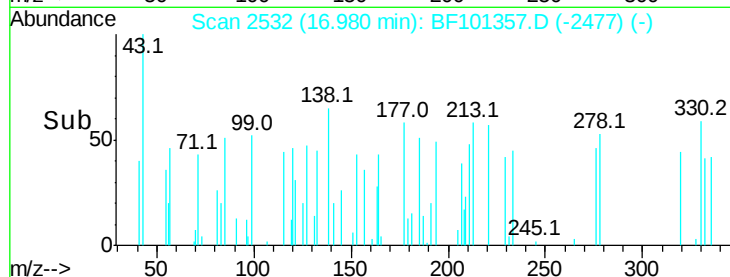
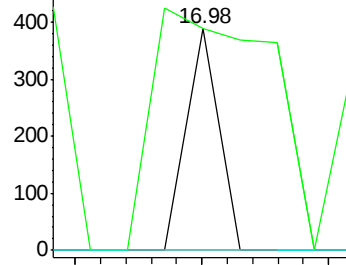
279 0.0 19.0 28.4#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 24.199 ng

RT: 17.40 min Scan# 2604

Delta R.T. 0.01 min

Lab File: BF101357.D

Acq: 13 Dec 2017 4:37

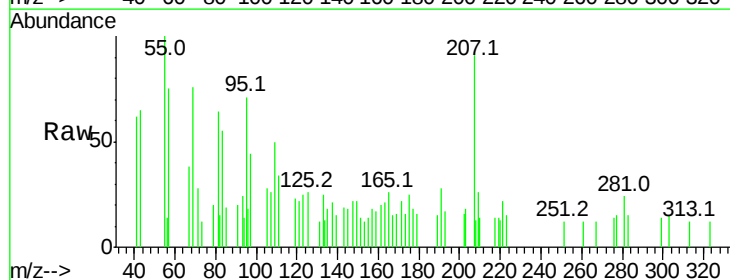
Tgt Ion:276 Resp: 127

Ion Ratio Lower Upper

276 100

277 102.5 17.9 26.9#

138 0.0 21.8 32.8#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

