

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF031919\  
 Data File : BF113139.D  
 Acq On : 19 Mar 2019 21:37  
 Operator : JU/SJ  
 Sample : K1971-01 20X  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-8(9-10)-031519

Quant Time: Mar 20 01:49:41 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF022719.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Mar 13 03:42:55 2019  
 Response via : Initial Calibration

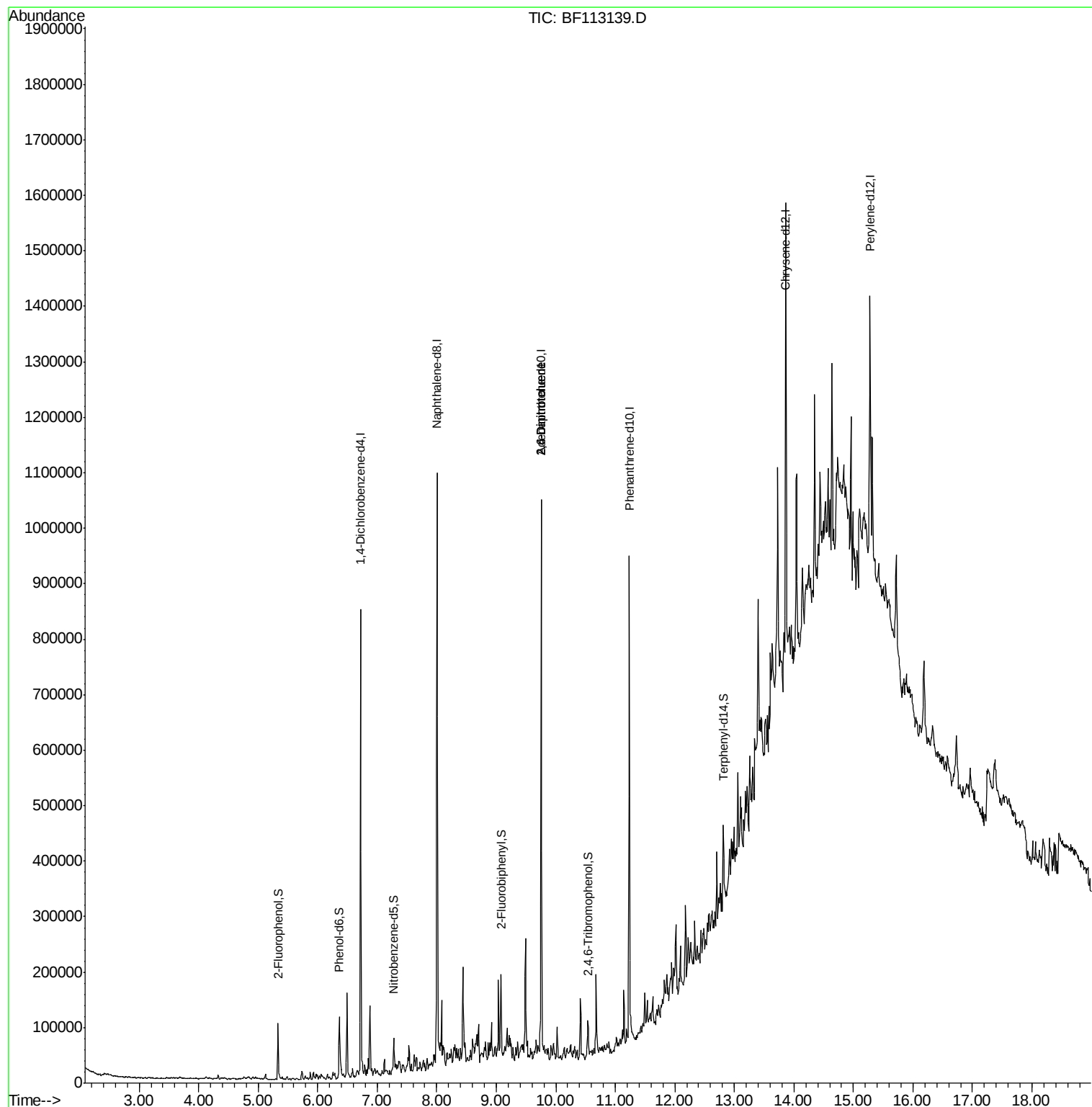
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.72  | 152  | 126049   | 20.00 | ng    | -0.01    |
| 21) Naphthalene-d8          | 8.00  | 136  | 470149   | 20.00 | ng    | -0.01    |
| 39) Acenaphthene-d10        | 9.76  | 164  | 199996   | 20.00 | ng    | -0.01    |
| 64) Phenanthrene-d10        | 11.23 | 188  | 331889   | 20.00 | ng    | -0.01    |
| 76) Chrysene-d12            | 13.86 | 240  | 309148   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12            | 15.27 | 264  | 253382   | 20.00 | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.33  | 112  | 33512    | 4.14  | ng    | -0.01    |
| 7) Phenol-d6                | 6.36  | 99   | 45985    | 4.52  | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.28  | 82   | 26064    | 3.32  | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol    | 10.55 | 330  | 9417     | 4.44  | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.08  | 172  | 56926    | 2.34  | ng    | -0.01    |
| 79) Terphenyl-d14           | 12.81 | 244  | 43858    | 2.75  | ng    | -0.01    |
| Target Compounds            |       |      |          |       |       |          |
| 51) 2,6-Dinitrotoluene      | 9.76  | 165  | 26452    | 8.614 | ng    | # 19     |
| 57) 2,4-Dinitrotoluene      | 9.76  | 165  | 26452    | 6.930 | ng    | # 18     |

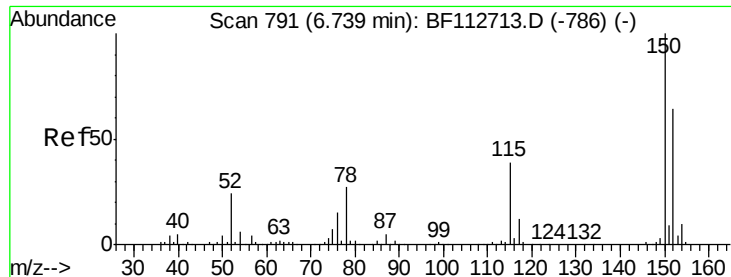
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF031919\  
Data File : BF113139.D  
Acq On : 19 Mar 2019 21:37  
Operator : JU/SJ  
Sample : K1971-01 20X  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SB-8(9-10)-031519

Quant Time: Mar 20 01:49:41 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF022719.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Mar 13 03:42:55 2019  
Response via : Initial Calibration

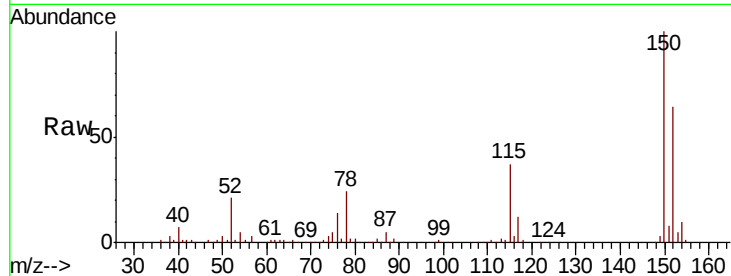




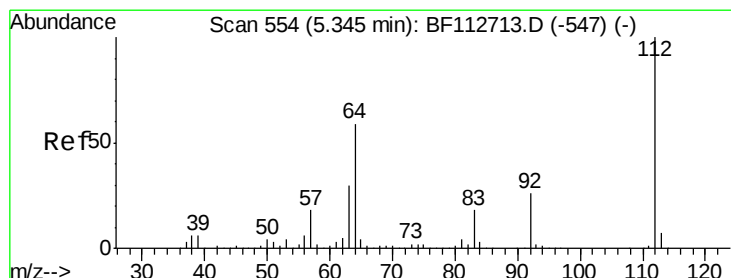
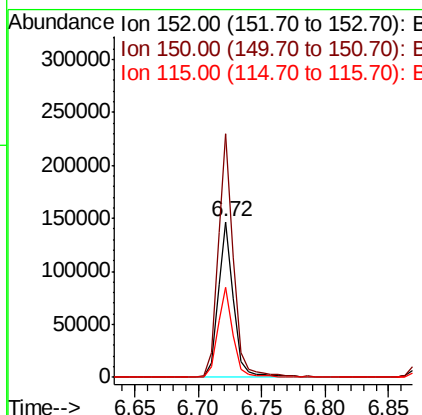
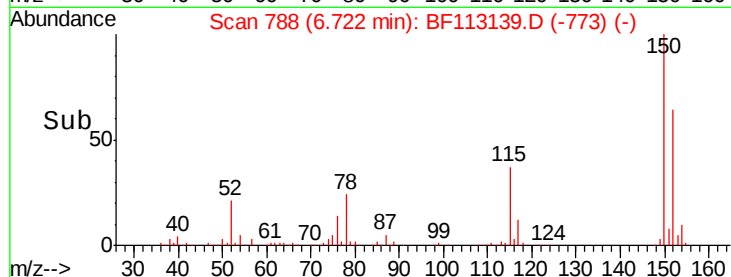
#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.72 min Scan# 788  
 Delta R.T. -0.01 min  
 Lab File: BF113139.D  
 Acq: 19 Mar 2019 21:37

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-8(9-10)-031519

Tgt Ion:152 Resp: 126049  
 Ion Ratio Lower Upper  
 152 100  
 150 156.7 124.2 186.2  
 115 57.8 48.2 72.4

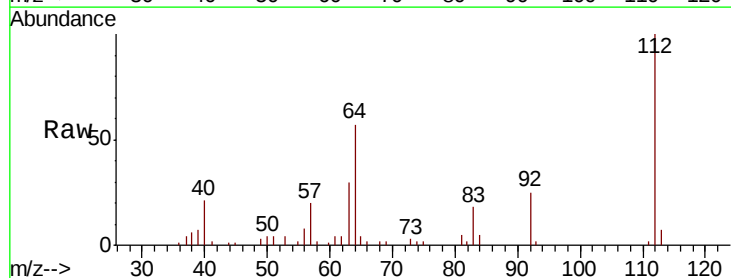


Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E

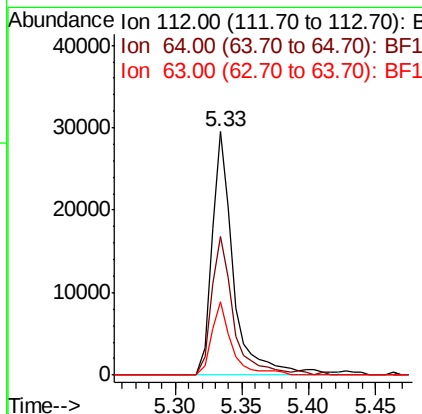
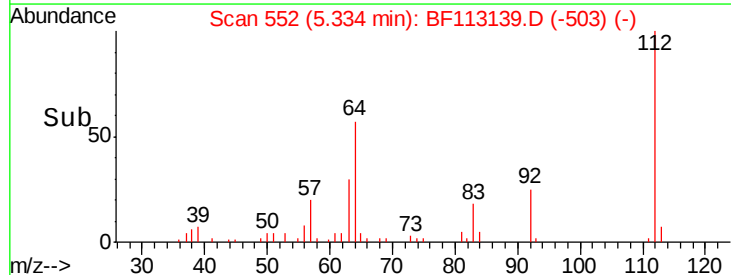


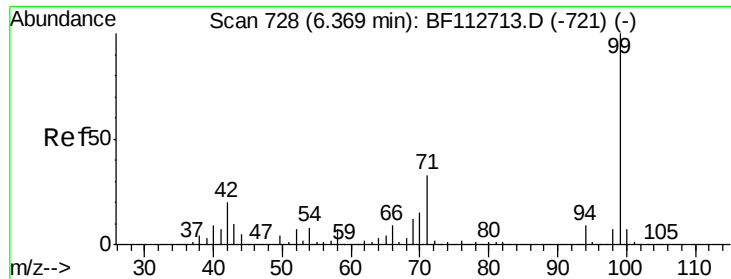
#5  
 2-Fluorophenol  
 Concen: 4.136 ng  
 RT: 5.33 min Scan# 552  
 Delta R.T. -0.01 min  
 Lab File: BF113139.D  
 Acq: 19 Mar 2019 21:37

Tgt Ion:112 Resp: 33512  
 Ion Ratio Lower Upper  
 112 100  
 64 56.8 47.6 71.4  
 63 30.0 24.4 36.6



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: 4.518 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF113139.D

Acq: 19 Mar 2019 21:37

Instrument :

BNA\_F

ClientSampleId :

SB-8(9-10)-031519

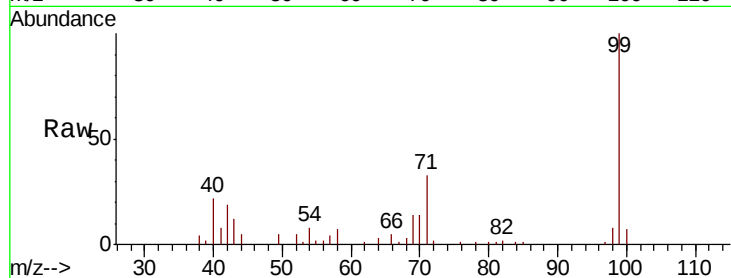
Tgt Ion: 99 Resp: 45985

Ion Ratio Lower Upper

99 100

42 19.2 16.3 24.5

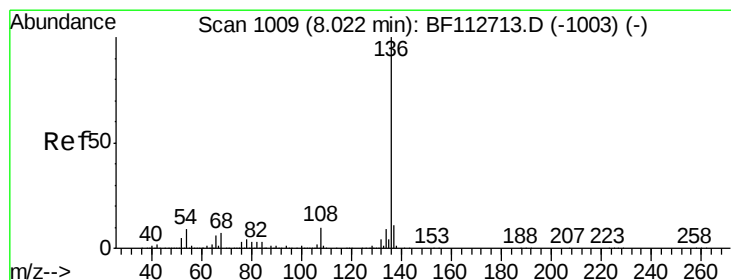
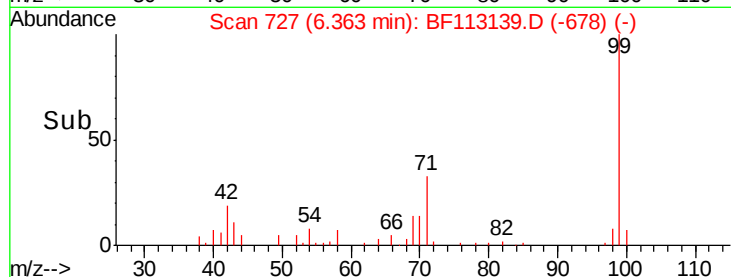
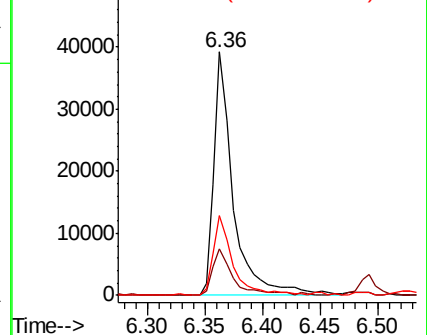
71 32.6 26.2 39.4



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: 8.00 min Scan# 1006

Delta R.T. -0.01 min

Lab File: BF113139.D

Acq: 19 Mar 2019 21:37

Tgt Ion: 136 Resp: 470149

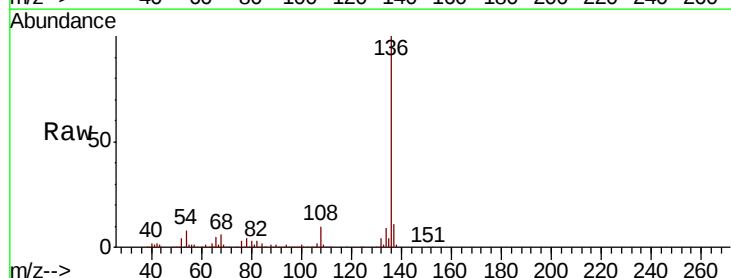
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 8.0 7.3 10.9

68 5.8 5.4 8.2

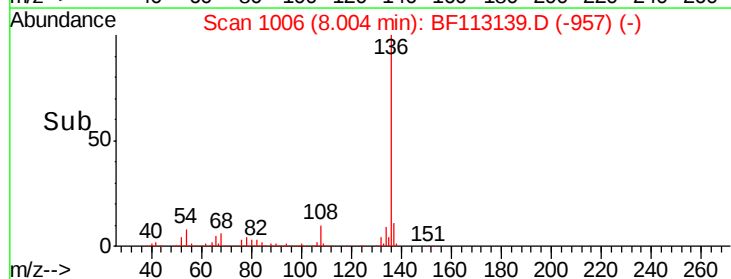
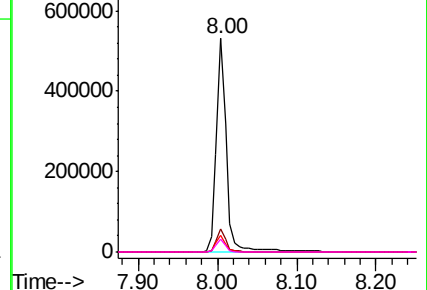


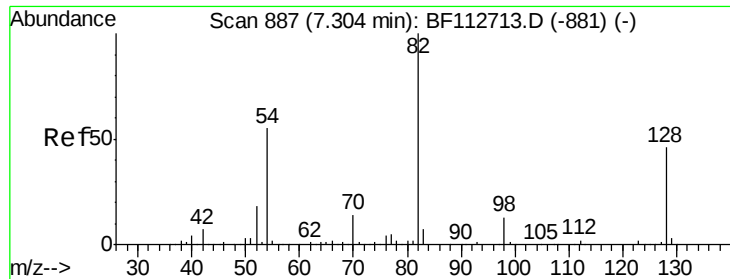
Abundance Ion 136.00 (135.70 to 136.70): E

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

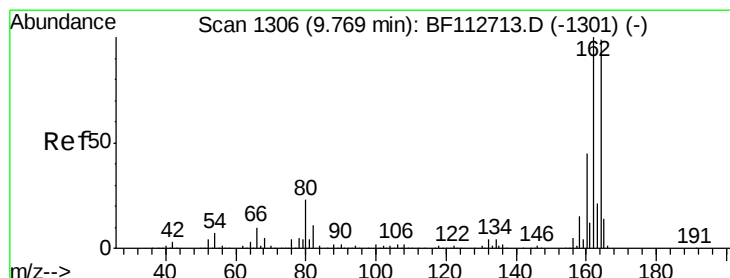
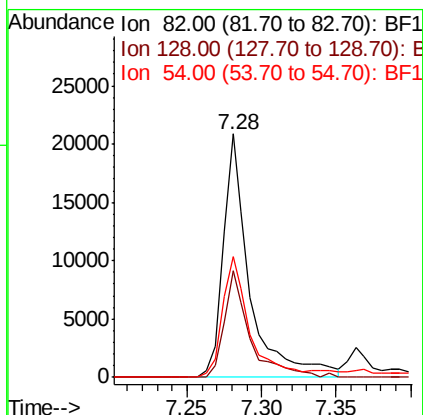
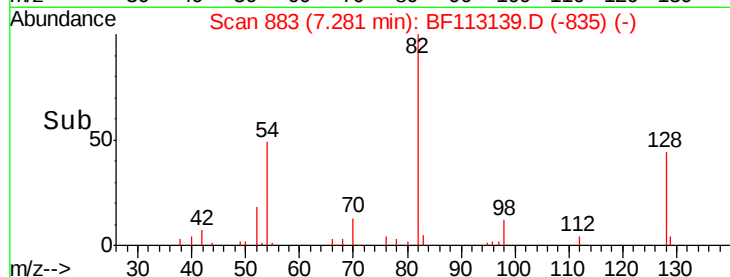
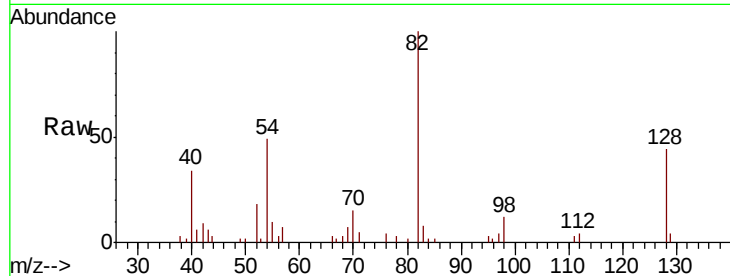




#23  
 Nitrobenzene-d5  
 Concen: 3.317 ng  
 RT: 7.28 min Scan# 883  
 Delta R.T. -0.02 min  
 Lab File: BF113139.D  
 Acq: 19 Mar 2019 21:37

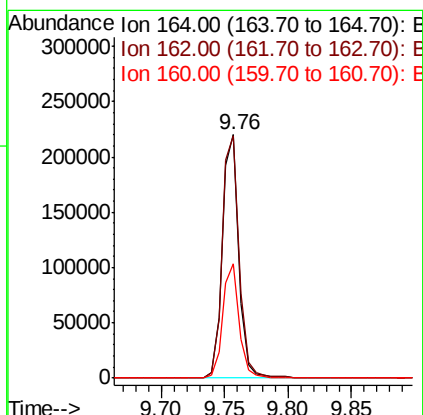
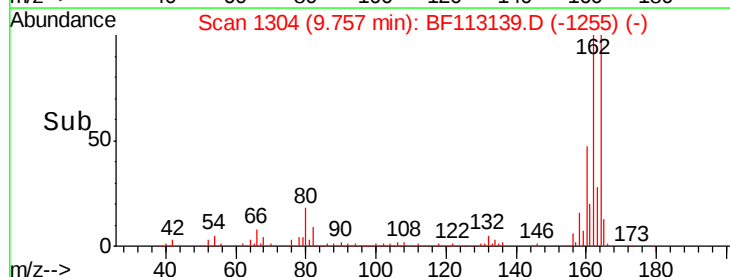
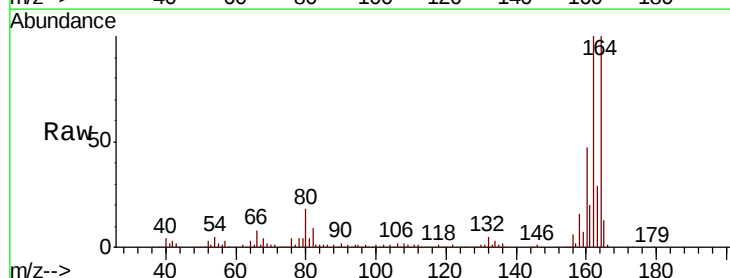
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-8(9-10)-031519

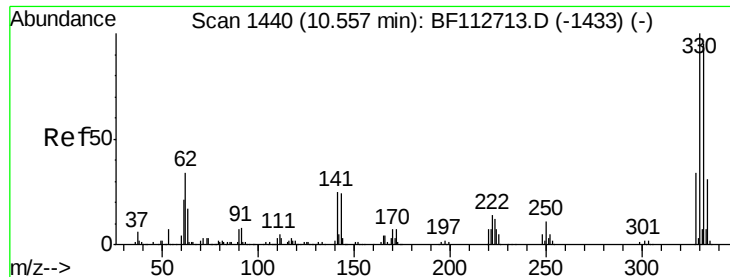
Tgt Ion: 82 Resp: 26064  
 Ion Ratio Lower Upper  
 82 100  
 128 43.9 36.3 54.5  
 54 49.5 43.7 65.5



#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.76 min Scan# 1304  
 Delta R.T. -0.01 min  
 Lab File: BF113139.D  
 Acq: 19 Mar 2019 21:37

Tgt Ion: 164 Resp: 199996  
 Ion Ratio Lower Upper  
 164 100  
 162 99.6 80.6 120.8  
 160 46.8 36.0 54.0

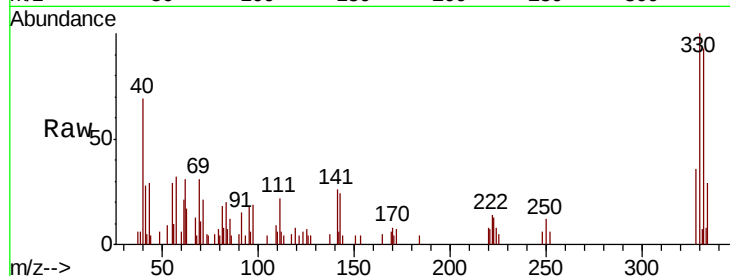




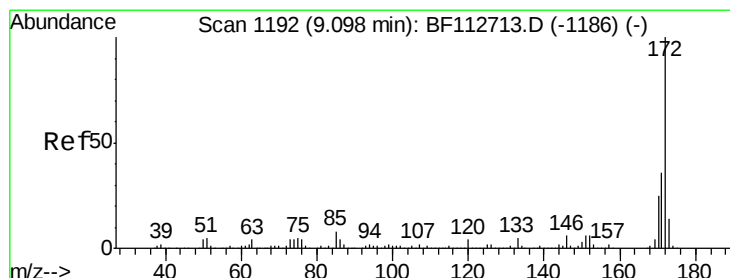
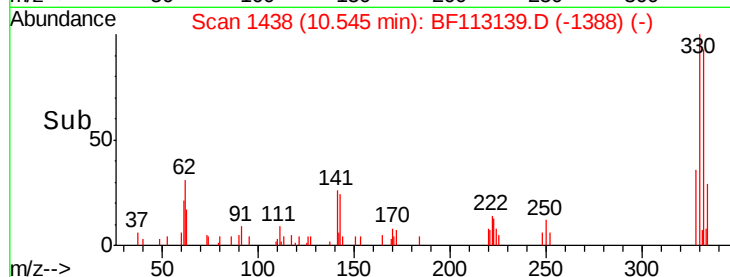
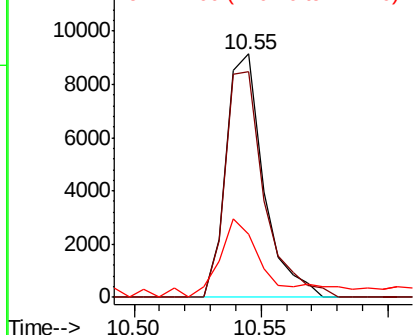
#42  
 2,4,6-Tribromophenol  
 Concen: 4.435 ng  
 RT: 10.55 min Scan# 1438  
 Delta R.T. -0.01 min  
 Lab File: BF113139.D  
 Acq: 19 Mar 2019 21:37

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-8(9-10)-031519

Tgt Ion:330 Resp: 9417  
 Ion Ratio Lower Upper  
 330 100  
 332 96.8 76.2 114.4  
 141 35.1 27.0 40.6

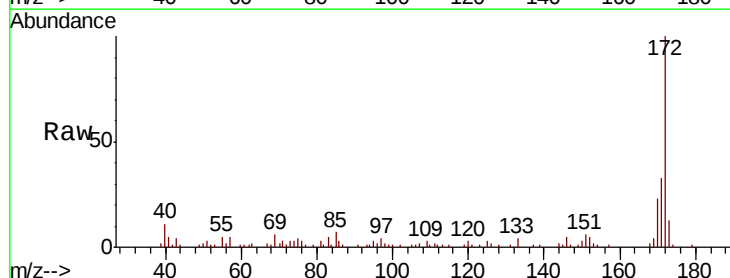


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

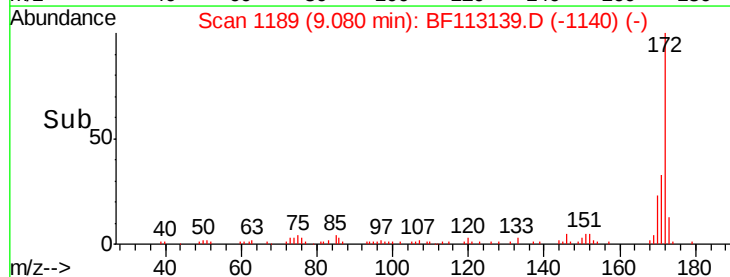
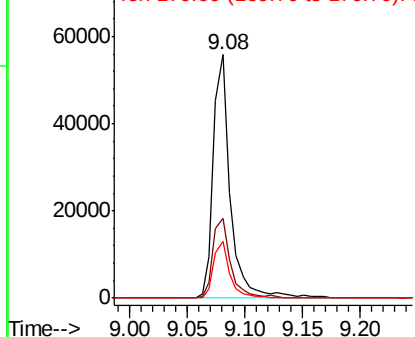


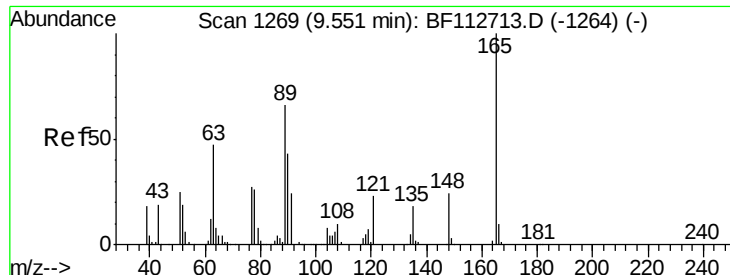
#45  
 2-Fluorobiphenyl  
 Concen: 2.342 ng  
 RT: 9.08 min Scan# 1189  
 Delta R.T. -0.01 min  
 Lab File: BF113139.D  
 Acq: 19 Mar 2019 21:37

Tgt Ion:172 Resp: 56926  
 Ion Ratio Lower Upper  
 172 100  
 171 32.5 29.0 43.4  
 170 23.4 20.0 30.0



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





#51

2,6-Dinitrotoluene

Concen: 8.614 ng

RT: 9.76 min Scan# 1304

Delta R.T. 0.21 min

Lab File: BF113139.D

Acq: 19 Mar 2019 21:37

Instrument :

BNA\_F

ClientSampleId :

SB-8(9-10)-031519

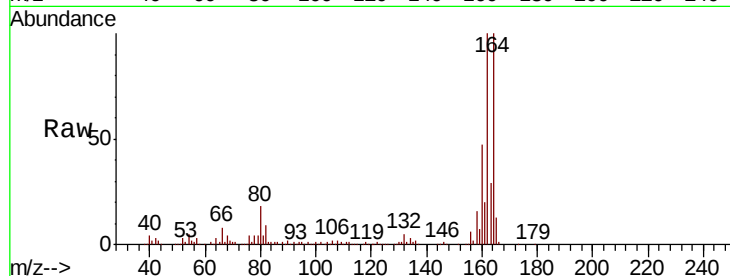
Tgt Ion:165 Resp: 26452

Ion Ratio Lower Upper

165 100

63 1.6 54.1 81.1#

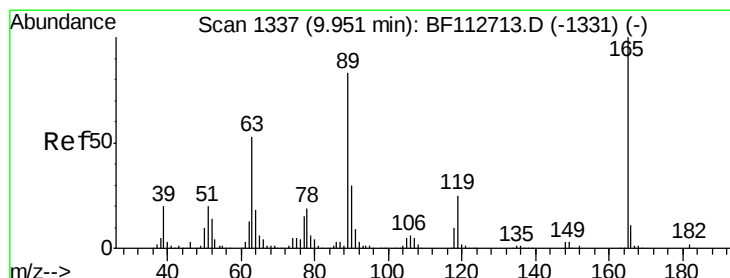
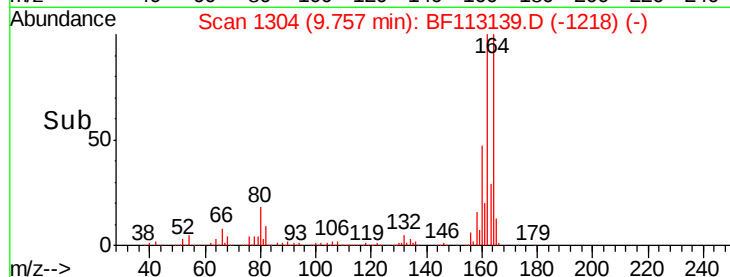
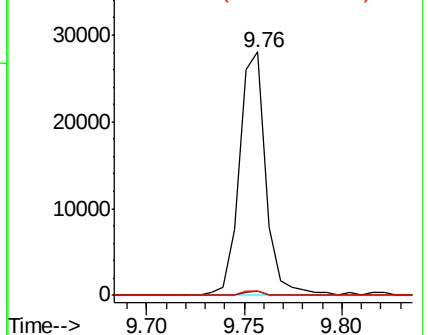
89 1.8 52.8 79.2#



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: 6.930 ng

RT: 9.76 min Scan# 1304

Delta R.T. -0.20 min

Lab File: BF113139.D

Acq: 19 Mar 2019 21:37

Tgt Ion:165 Resp: 26452

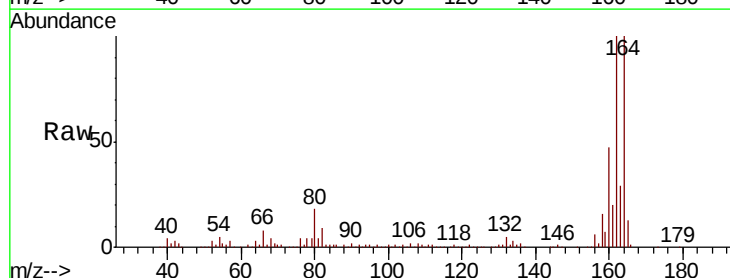
Ion Ratio Lower Upper

165 100

63 1.6 42.2 63.2#

89 1.8 66.2 99.4#

182 0.0 1.8 2.6#

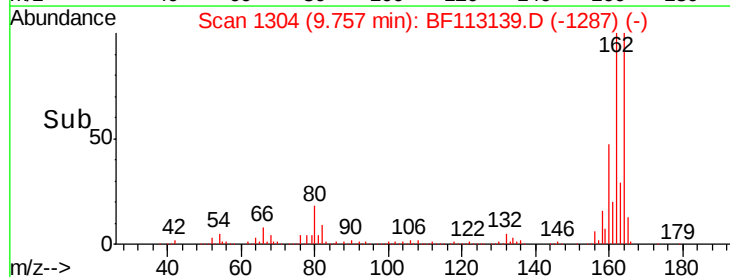
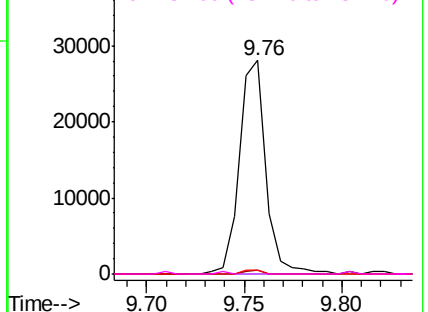


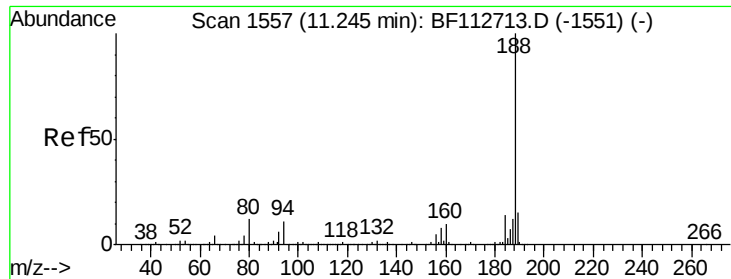
Abundance Ion 165.00 (164.70 to 165.70): E

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

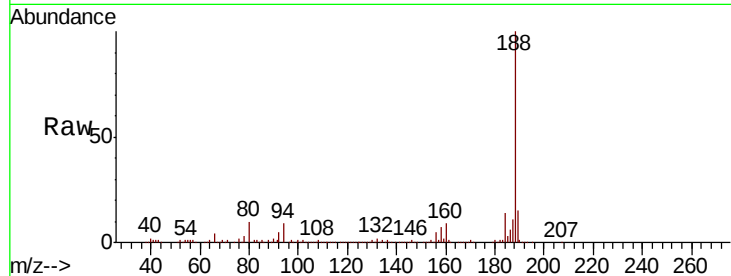




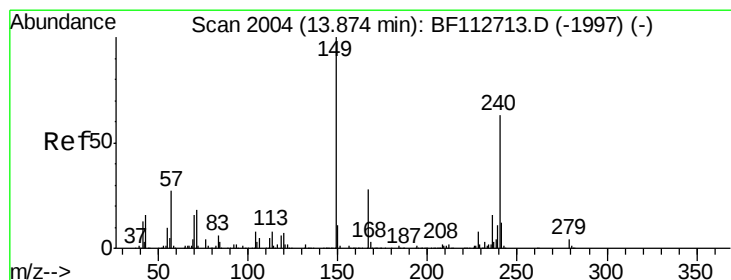
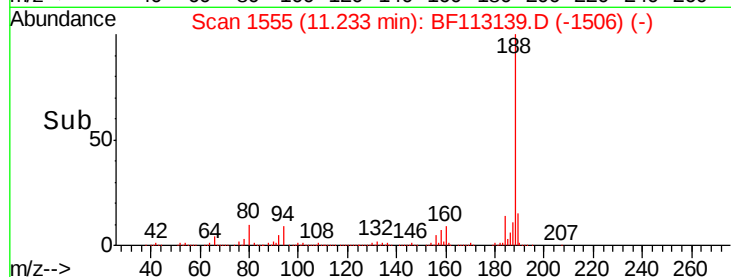
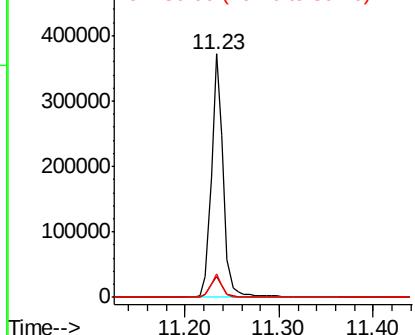
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.23 min Scan# 1555  
Delta R.T. -0.01 min  
Lab File: BF113139.D  
Acq: 19 Mar 2019 21:37

Instrument :  
BNA\_F  
ClientSampleId :  
SB-8(9-10)-031519

Tgt Ion:188 Resp: 331889  
Ion Ratio Lower Upper  
188 100  
94 8.7 9.0 13.4#  
80 9.7 9.2 13.8

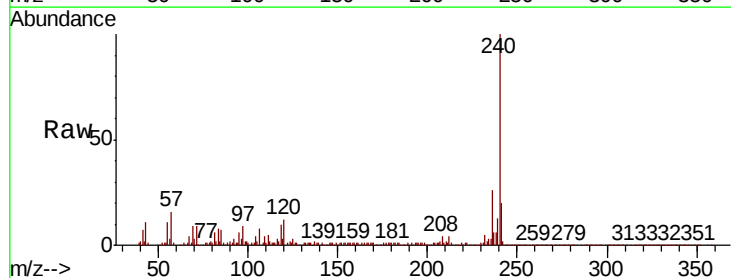


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF1  
Ion 80.00 (79.70 to 80.70): BF1

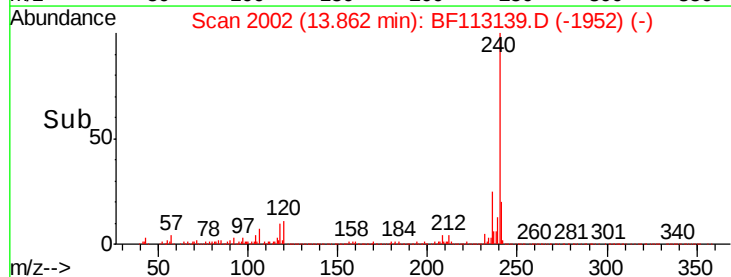
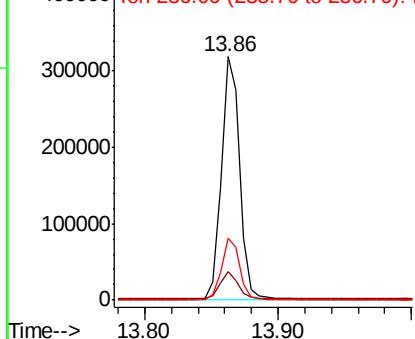


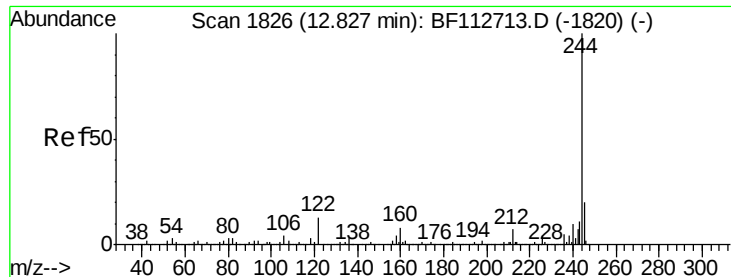
#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.86 min Scan# 2002  
Delta R.T. -0.01 min  
Lab File: BF113139.D  
Acq: 19 Mar 2019 21:37

Tgt Ion:240 Resp: 309148  
Ion Ratio Lower Upper  
240 100  
120 11.9 8.9 13.3  
236 25.6 20.7 31.1



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: 2.750 ng

RT: 12.81 min Scan# 1823

Delta R.T. -0.01 min

Lab File: BF113139.D

Acq: 19 Mar 2019 21:37

Instrument :

BNA\_F

ClientSampleId :

SB-8(9-10)-031519

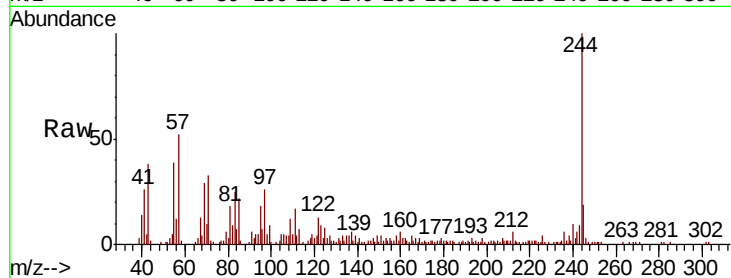
Tgt Ion:244 Resp: 43858

Ion Ratio Lower Upper

244 100

212 5.6 5.6 8.4#

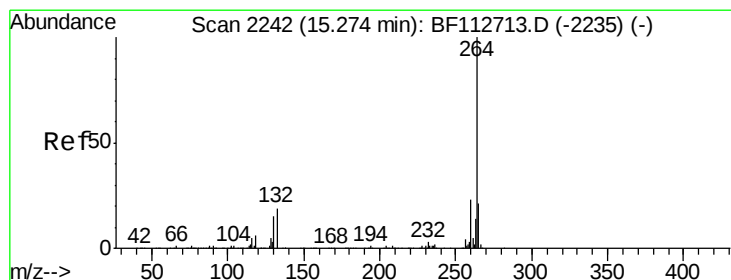
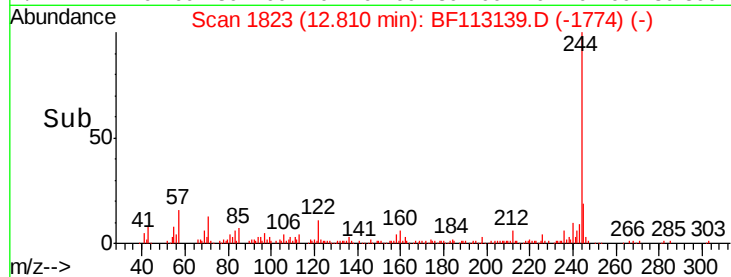
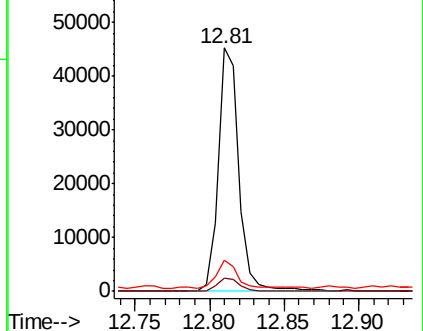
122 12.6 10.5 15.7



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: 15.27 min Scan# 2242

Delta R.T. -0.00 min

Lab File: BF113139.D

Acq: 19 Mar 2019 21:37

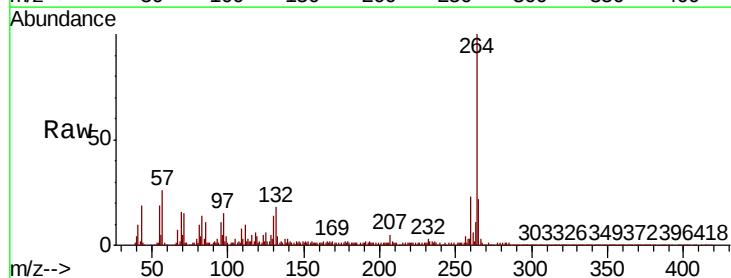
Tgt Ion:264 Resp: 253382

Ion Ratio Lower Upper

264 100

260 23.4 18.7 28.1

265 21.7 17.2 25.8



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

