

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF040620\  
 Data File : BF119775.D  
 Acq On : 6 Apr 2020 16:44  
 Operator : MA/SJ  
 Sample : L2132-13  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CLEAN-GRAVEL

Quant Time: Apr 06 17:45:33 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF031820.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Apr 06 11:15:16 2020  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.78  | 152  | 160644   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.06  | 136  | 588338   | 20.00  | ng    | -0.01    |
| 39) Acenaphthene-d10        | 9.82  | 164  | 319279   | 20.00  | ng    | -0.01    |
| 64) Phenanthrene-d10        | 11.31 | 188  | 604993   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12            | 13.95 | 240  | 454613   | 20.00  | ng    | 0.00     |
| 87) Perylene-d12            | 15.39 | 264  | 448833   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.41  | 112  | 1503929  | 149.03 | ng    | 0.02     |
| 7) Phenol-d6                | 6.42  | 99   | 1705680  | 132.32 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.35  | 82   | 1218241  | 112.54 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.62 | 330  | 573641   | 174.15 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.15  | 172  | 2415117  | 112.06 | ng    | 0.00     |
| 79) Terphenyl-d14           | 12.90 | 244  | 2621164  | 112.96 | ng    | 0.00     |

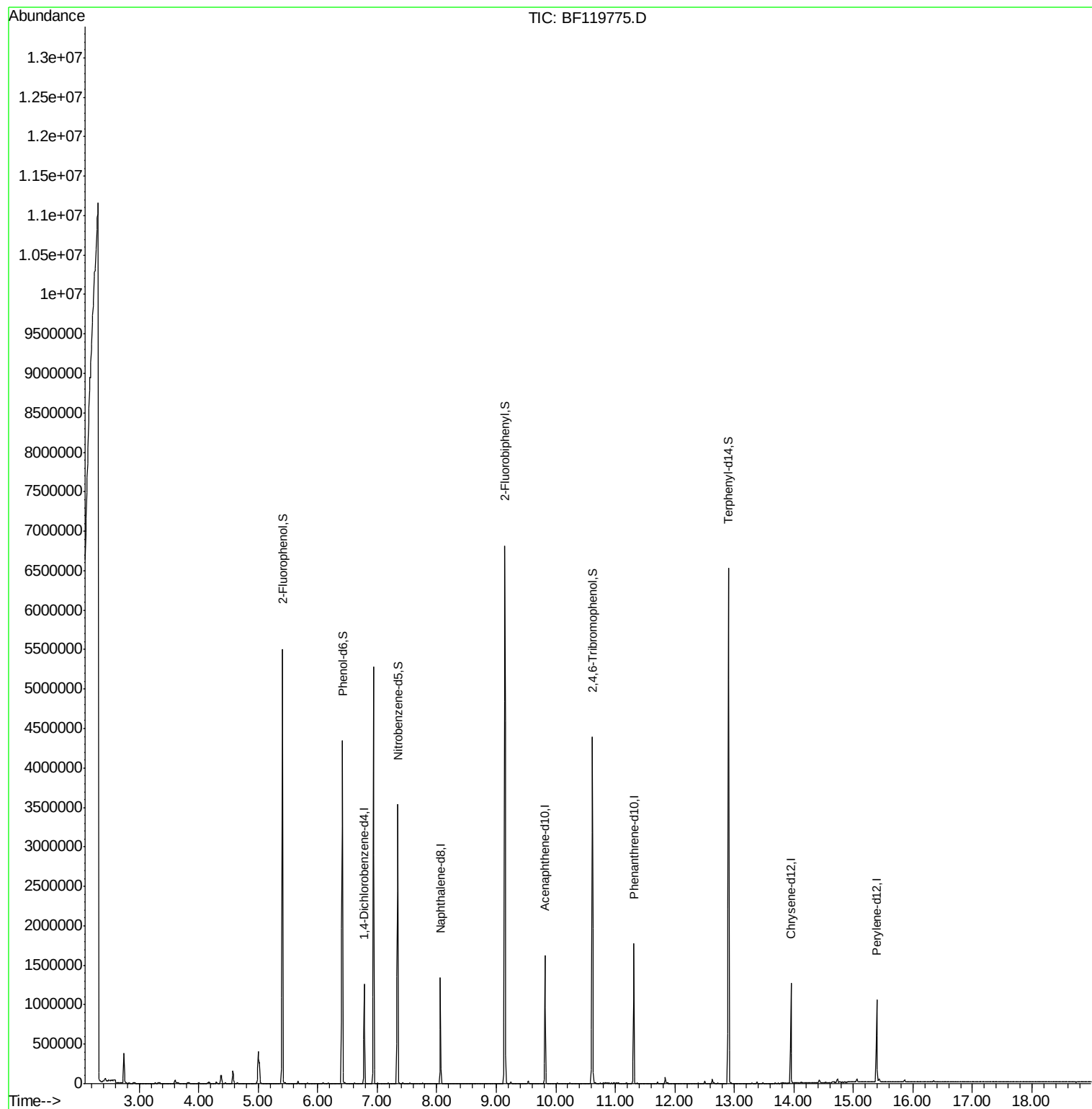
Target Compounds Qvalue

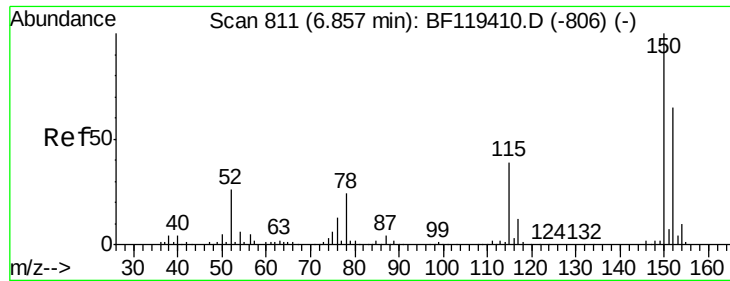
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF040620\  
Data File : BF119775.D  
Acq On : 6 Apr 2020 16:44  
Operator : MA/SJ  
Sample : L2132-13  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
CLEAN-GRAVEL

Quant Time: Apr 06 17:45:33 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF031820.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Apr 06 11:15:16 2020  
Response via : Initial Calibration

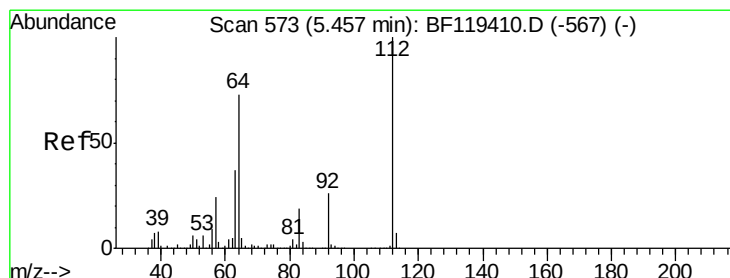
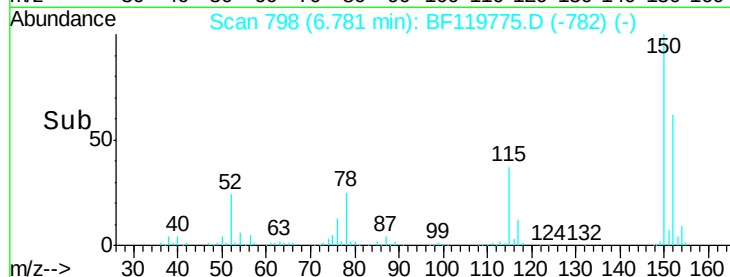
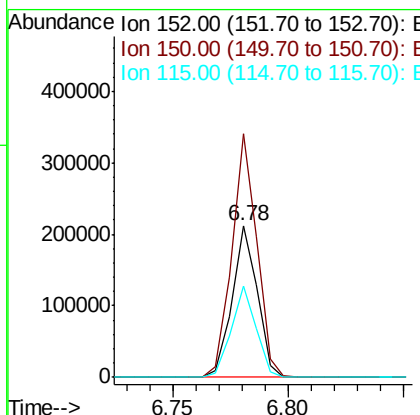
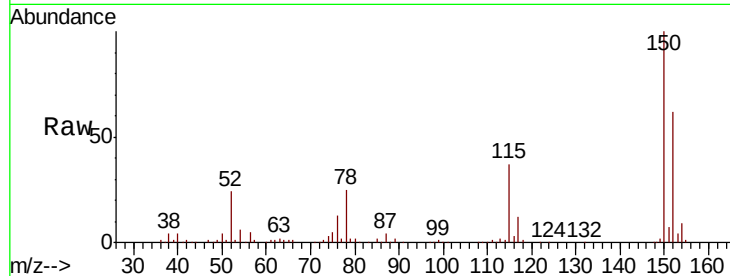




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.78 min Scan# 798  
 Delta R.T. -0.01 min  
 Lab File: BF119775.D  
 Acq: 6 Apr 2020 16:44

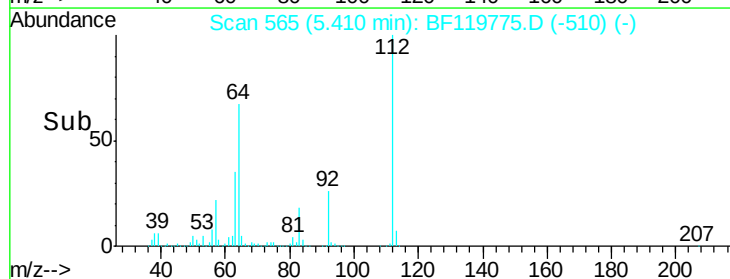
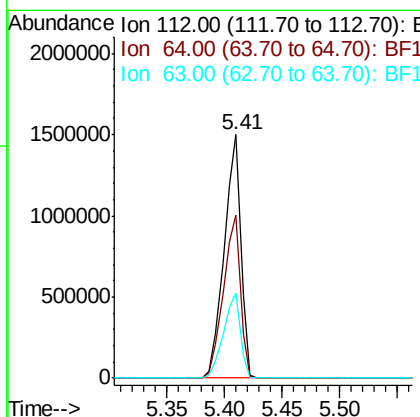
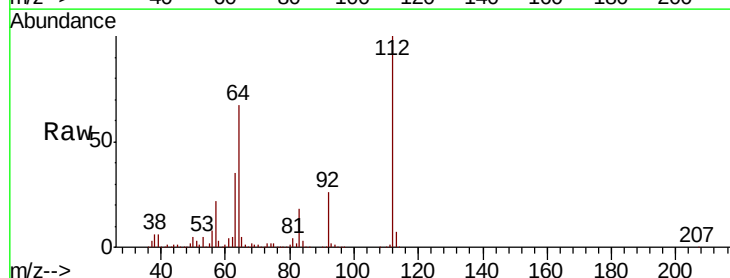
Instrument :  
 BNA\_F  
 ClientSampleId :  
 CLEAN-GRAVEL

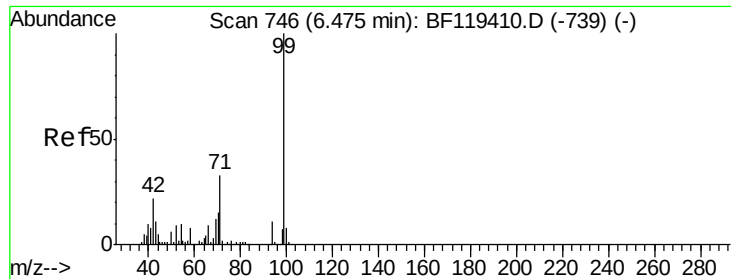
Tot Ion:152 Resp: 160644  
 Ion Ratio Lower Upper  
 152 100  
 150 160.3 124.5 186.7  
 115 59.8 49.6 74.4



#5  
 2-Fluorophenol  
 Concen: 149.032 ng  
 RT: 5.41 min Scan# 565  
 Delta R.T. 0.02 min  
 Lab File: BF119775.D  
 Acq: 6 Apr 2020 16:44

Tgt Ion:112 Resp: 1503929  
 Ion Ratio Lower Upper  
 112 100  
 64 67.1 56.7 85.1  
 63 35.0 29.5 44.3





#7

Phenol-d6

Concen: 132.316 ng

RT: 6.42 min Scan# 736

Delta R.T. -0.00 min

Lab File: BF119775.D

Acq: 6 Apr 2020 16:44

Instrument :

BNA\_F

ClientSampleId :

CLEAN-GRAVEL

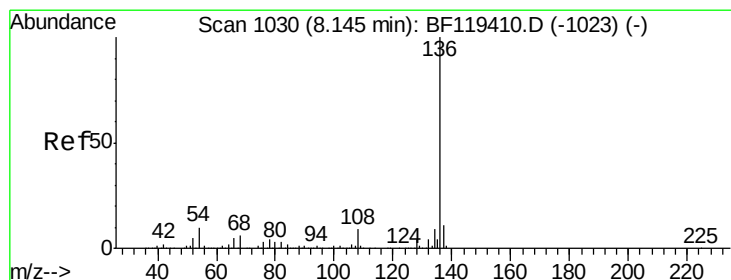
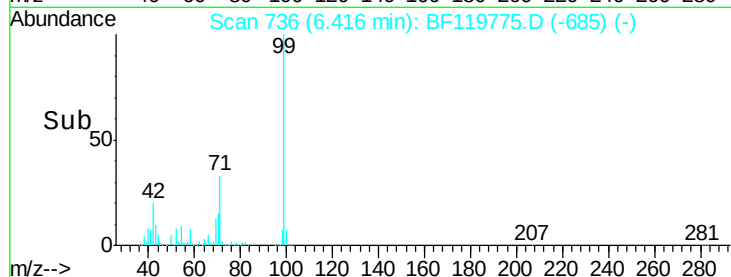
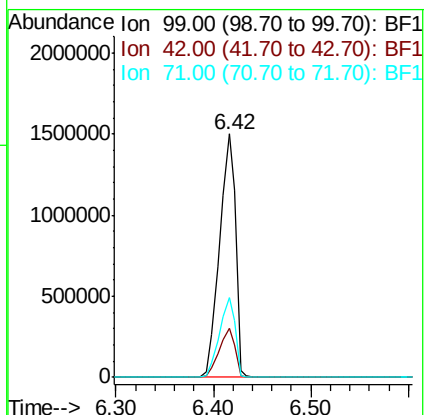
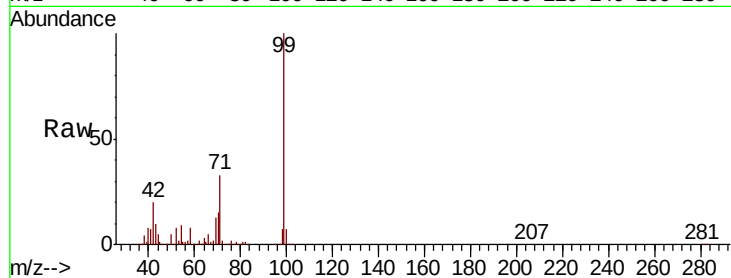
Tot Ion: 99 Resp: 1705680

Ion Ratio Lower Upper

99 100

42 20.3 16.6 24.8

71 32.9 26.4 39.6



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.06 min Scan# 1016

Delta R.T. -0.01 min

Lab File: BF119775.D

Acq: 6 Apr 2020 16:44

Tgt Ion: 136 Resp: 588338

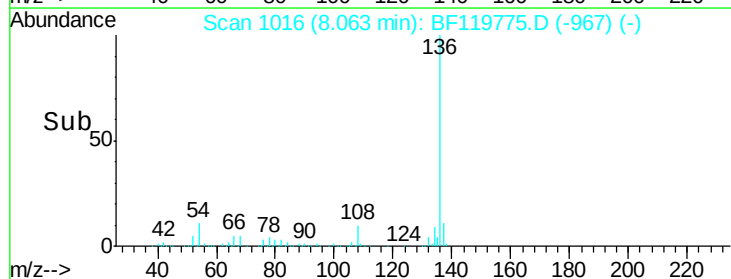
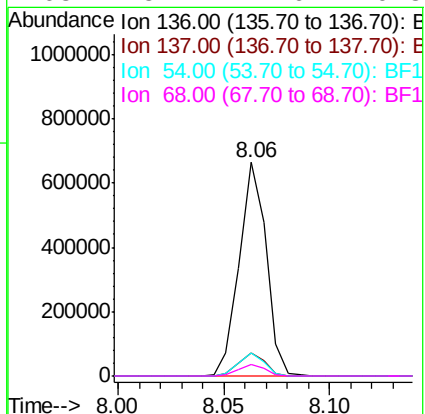
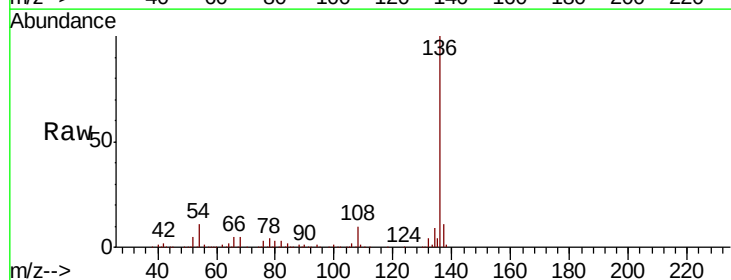
Ion Ratio Lower Upper

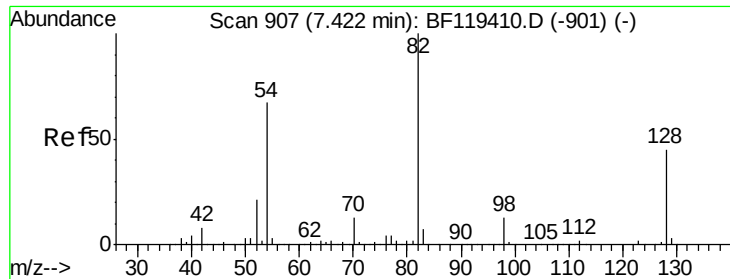
136 100

137 11.1 8.7 13.1

54 10.8 9.1 13.7

68 5.4 4.6 6.8

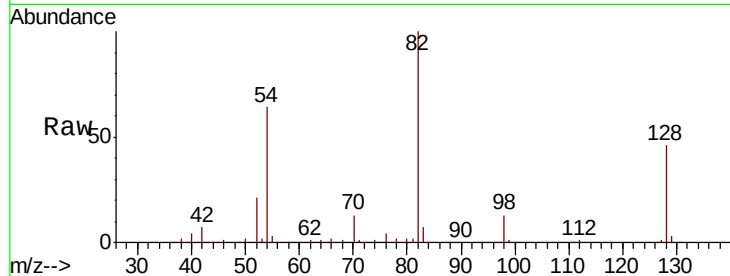




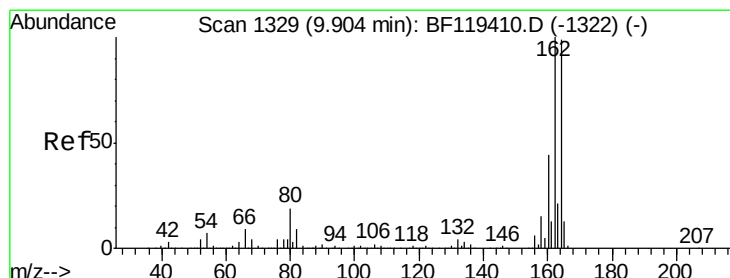
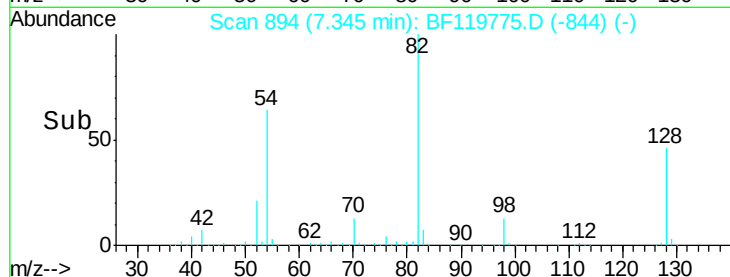
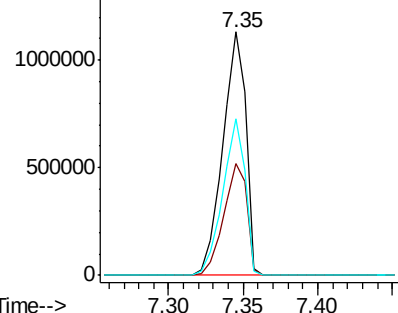
#23  
Nitrobenzene-d5  
Concen: 112.535 ng  
RT: 7.35 min Scan# 894  
Delta R.T. -0.01 min  
Lab File: BF119775.D  
Acq: 6 Apr 2020 16:44

Instrument :  
BNA\_F  
ClientSampleId :  
CLEAN-GRAVEL

Tot Ion: 82 Resp: 1218241  
Ion Ratio Lower Upper  
82 100  
128 46.0 36.3 54.5  
54 64.5 50.6 75.8

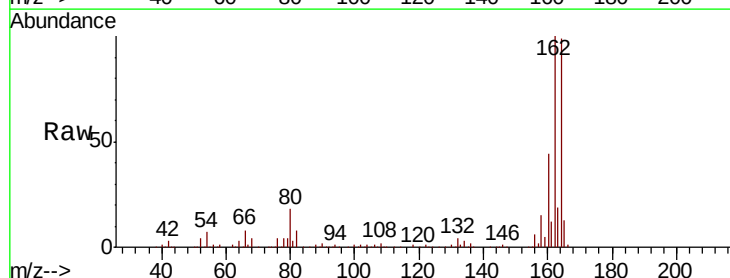


Abundance Ion 82.00 (81.70 to 82.70): BF1  
Ion 128.00 (127.70 to 128.70): BF1  
Ion 54.00 (53.70 to 54.70): BF1

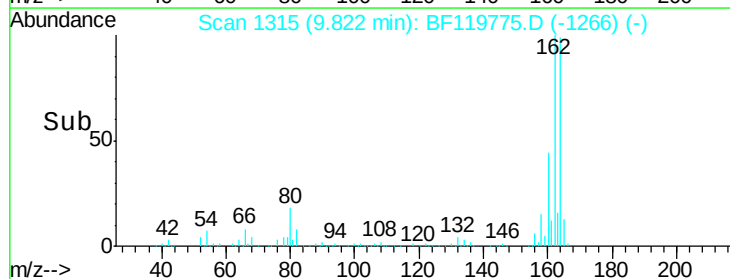
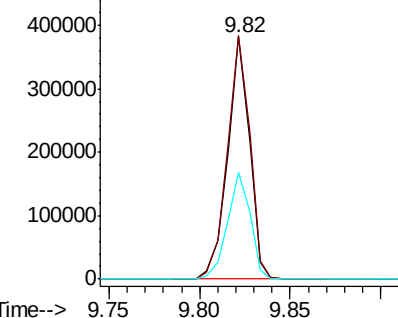


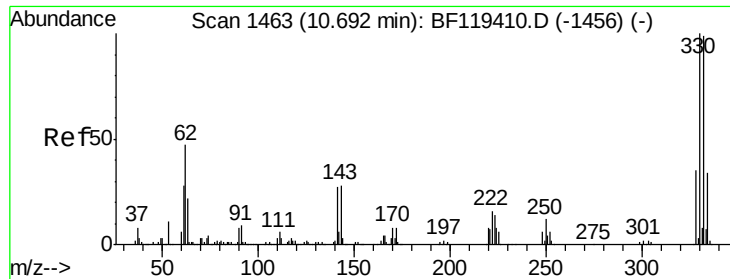
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.82 min Scan# 1315  
Delta R.T. -0.01 min  
Lab File: BF119775.D  
Acq: 6 Apr 2020 16:44

Tgt Ion: 164 Resp: 319279  
Ion Ratio Lower Upper  
164 100  
162 100.6 80.6 121.0  
160 44.2 35.7 53.5



Abundance Ion 164.00 (163.70 to 164.70): BF1  
Ion 162.00 (161.70 to 162.70): BF1  
Ion 160.00 (159.70 to 160.70): BF1

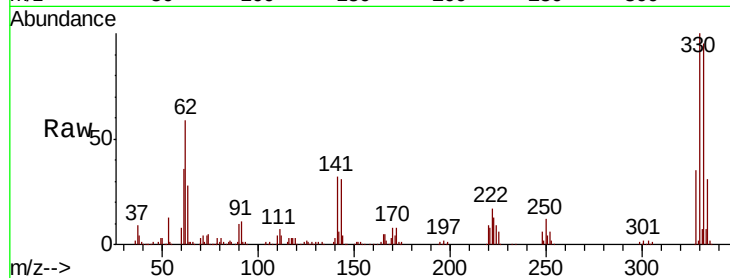




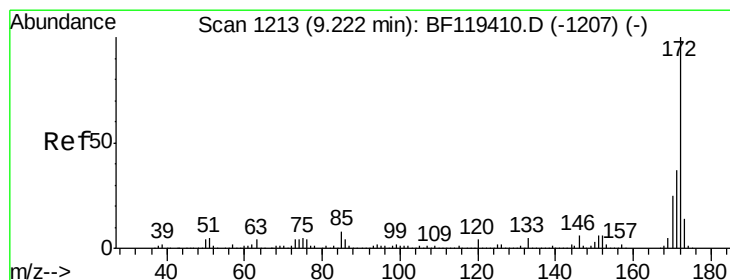
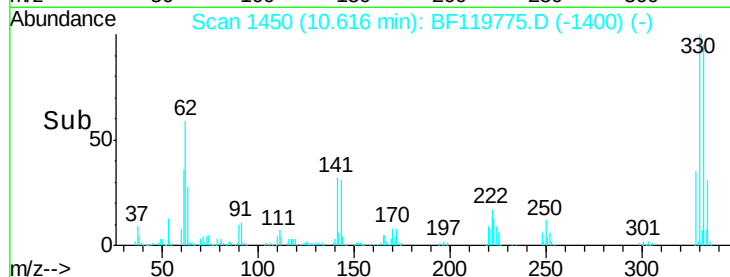
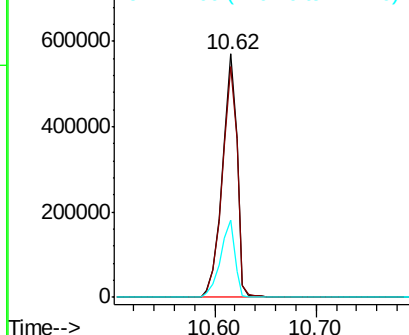
#42  
 2,4,6-Tribromophenol  
 Concen: 174.153 ng  
 RT: 10.62 min Scan# 1450  
 Delta R.T. -0.01 min  
 Lab File: BF119775.D  
 Acq: 6 Apr 2020 16:44

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CLEAN-GRAVEL

Tot Ion:330 Resp: 573641  
 Ion Ratio Lower Upper  
 330 100  
 332 97.2 75.7 113.5  
 141 31.1 25.4 38.0

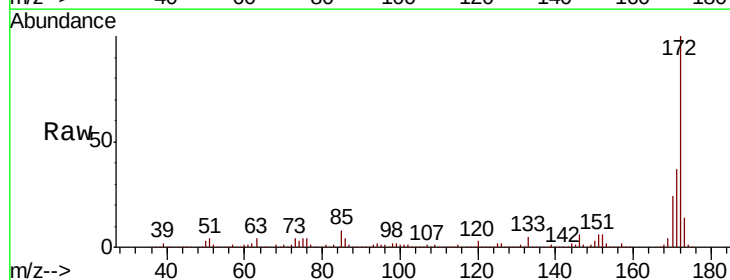


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

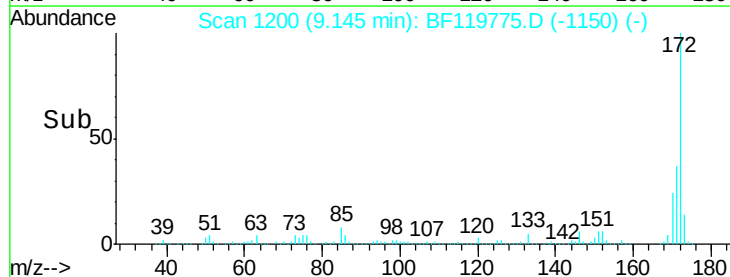
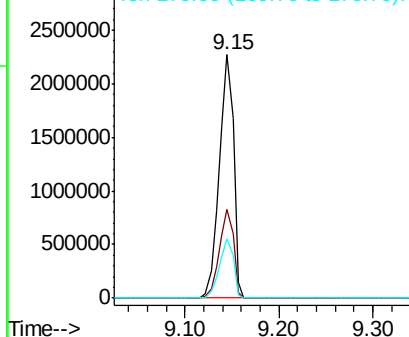


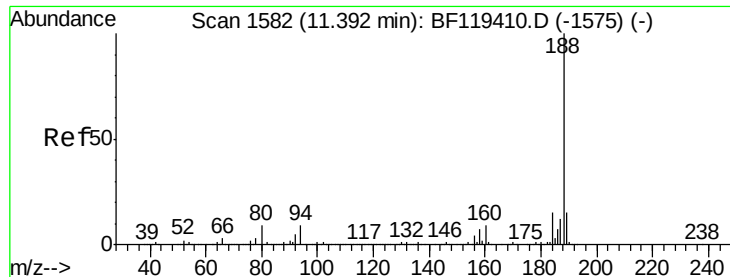
#45  
 2-Fluorobiphenyl  
 Concen: 112.063 ng  
 RT: 9.15 min Scan# 1200  
 Delta R.T. -0.01 min  
 Lab File: BF119775.D  
 Acq: 6 Apr 2020 16:44

Tgt Ion:172 Resp: 2415117  
 Ion Ratio Lower Upper  
 172 100  
 171 36.7 29.6 44.4  
 170 24.4 20.2 30.2



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

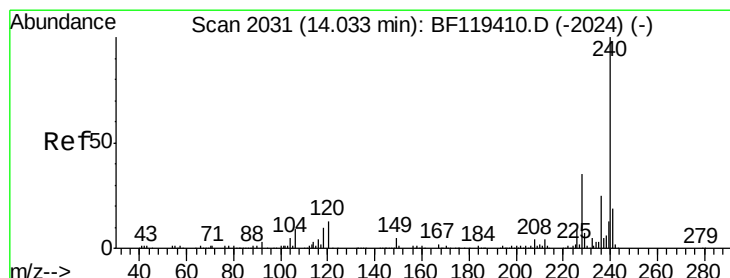
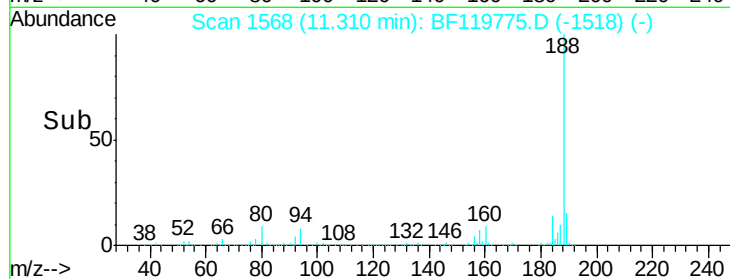
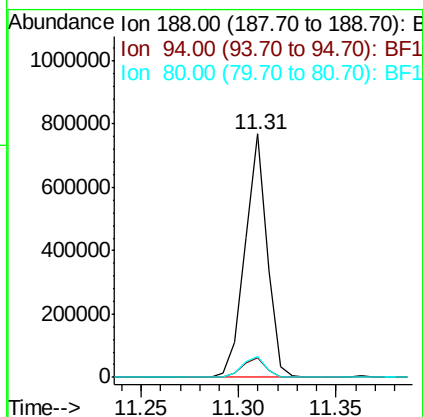
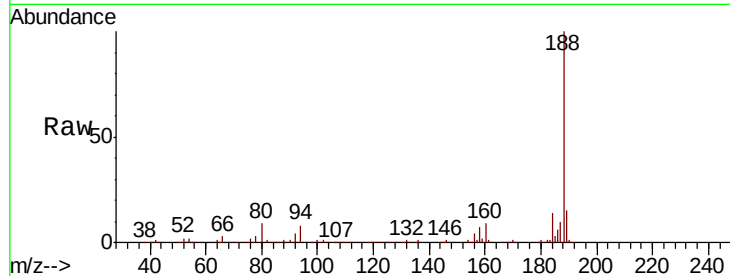




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.31 min Scan# 1568  
Delta R.T. -0.01 min  
Lab File: BF119775.D  
Acq: 6 Apr 2020 16:44

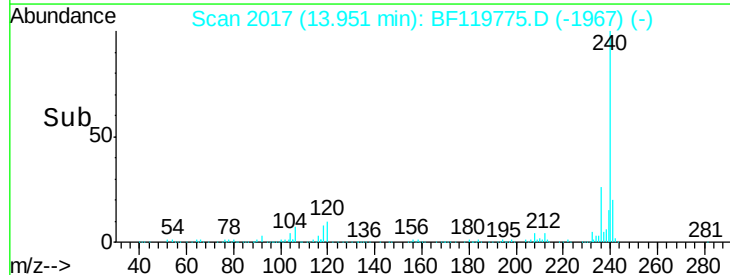
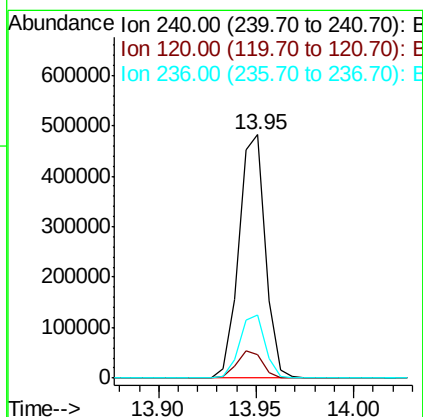
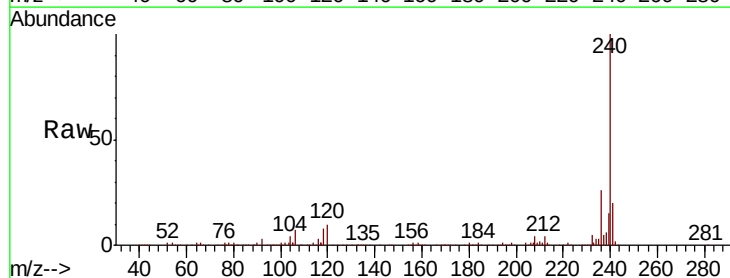
Instrument :  
BNA\_F  
ClientSampleId :  
CLEAN-GRAVEL

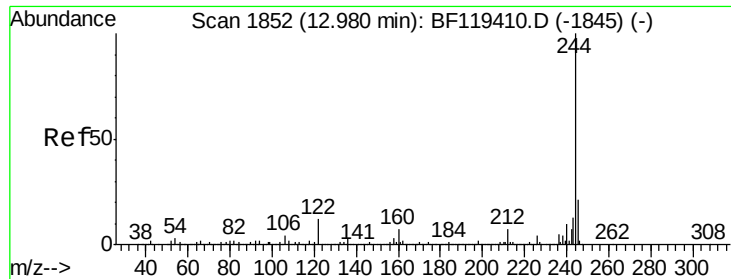
Tot Ion:188 Resp: 604993  
Ion Ratio Lower Upper  
188 100  
94 8.3 7.5 11.3  
80 8.7 9.0 13.4#



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.95 min Scan# 2017  
Delta R.T. -0.01 min  
Lab File: BF119775.D  
Acq: 6 Apr 2020 16:44

Tgt Ion:240 Resp: 454613  
Ion Ratio Lower Upper  
240 100  
120 9.7 10.6 15.8#  
236 25.7 20.2 30.2





#79

Terphenyl-d14

Concen: 112.962 ng

RT: 12.90 min Scan# 1839

Delta R.T. -0.00 min

Lab File: BF119775.D

Acq: 6 Apr 2020 16:44

Instrument :

BNA\_F

ClientSampleId :

CLEAN-GRAVEL

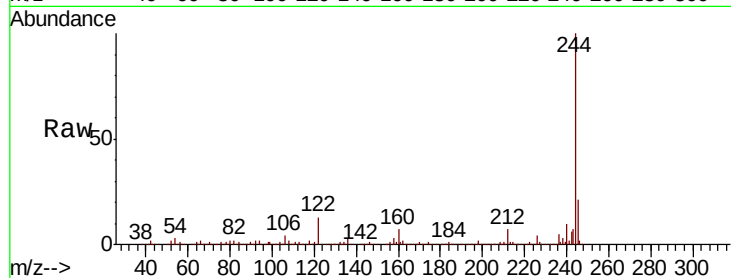
Tot Ion:244 Resp: 2621164

Ion Ratio Lower Upper

244 100

212 6.9 5.8 8.8

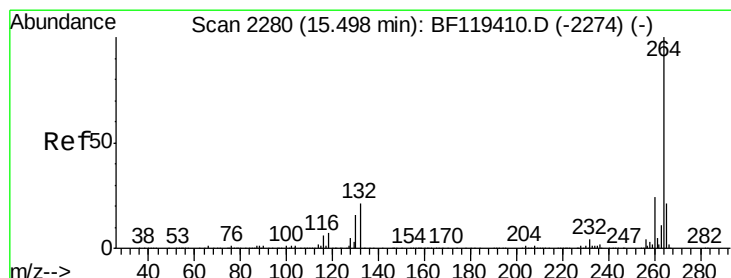
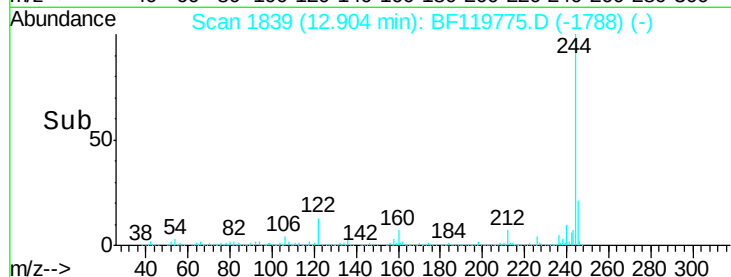
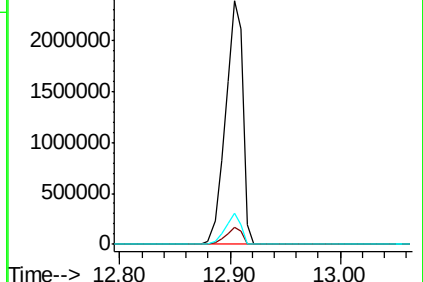
122 13.0 10.3 15.5



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: 15.39 min Scan# 2262

Delta R.T. -0.01 min

Lab File: BF119775.D

Acq: 6 Apr 2020 16:44

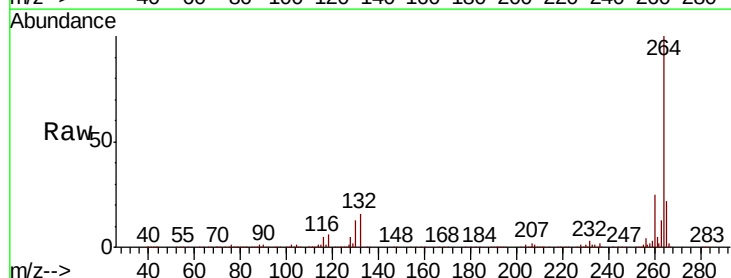
Tgt Ion:264 Resp: 448833

Ion Ratio Lower Upper

264 100

260 24.6 18.7 28.1

265 22.2 17.7 26.5



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

