

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070119\  
 Data File : BF115331.D  
 Acq On : 1 Jul 2019 11:31  
 Operator : HP/JU  
 Sample : PB121019BL  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB121019BL

Quant Time: Jul 02 08:37:29 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF062119.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jun 28 05:26:43 2019  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.60  | 152  | 251519   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 7.88  | 136  | 962827   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 9.63  | 164  | 466173   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 11.11 | 188  | 923136   | 20.00  | ng    | 0.01     |
| 76) Chrysene-d12            | 13.72 | 240  | 752850   | 20.00  | ng    | 0.00     |
| 87) Perylene-d12            | 15.10 | 264  | 806889   | 20.00  | ng    | 0.02     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.21  | 112  | 1634949  | 100.31 | ng    | 0.02     |
| 7) Phenol-d6                | 6.25  | 99   | 2032820  | 102.76 | ng    | 0.01     |
| 23) Nitrobenzene-d5         | 7.17  | 82   | 1241569  | 79.32  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.42 | 330  | 560888   | 114.10 | ng    | 0.01     |
| 45) 2-Fluorobiphenyl        | 8.97  | 172  | 2274130  | 82.86  | ng    | 0.00     |
| 79) Terphenyl-d14           | 12.70 | 244  | 2528874  | 71.42  | ng    | 0.01     |

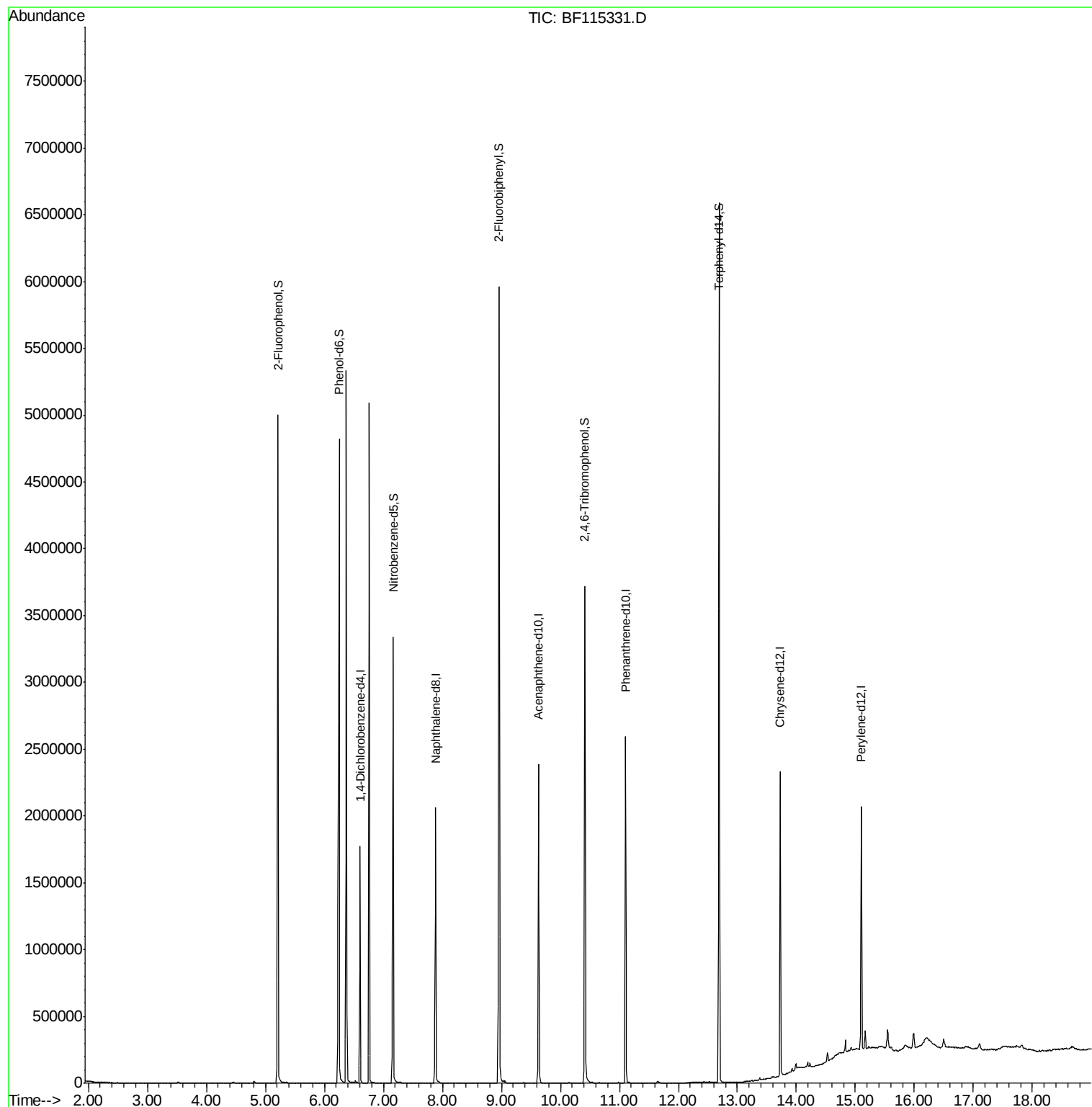
Target Compounds Qvalue

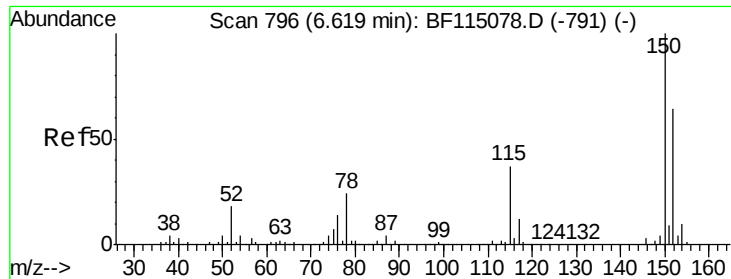
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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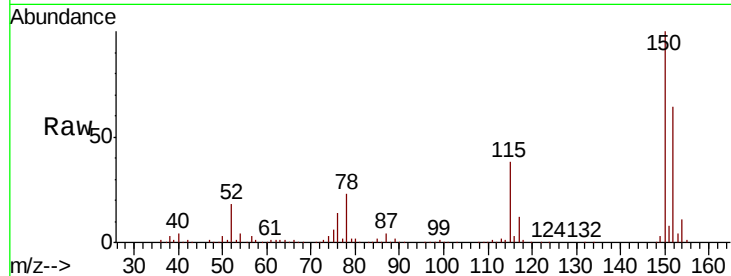


#1

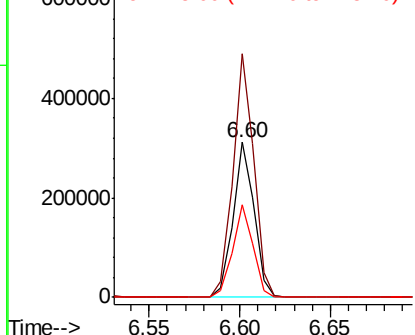
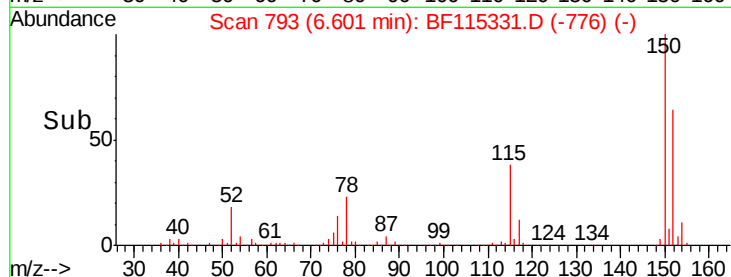
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.60 min Scan# 793  
Delta R.T. 0.00 min  
Lab File: BF115331.D  
Acq: 1 Jul 2019 11:31

Instrument :  
BNA\_F  
ClientSampleId :  
PB121019BL

Tot Ion:152 Resp: 251519  
Ion Ratio Lower Upper  
152 100  
150 157.0 124.2 186.2  
115 59.6 46.1 69.1



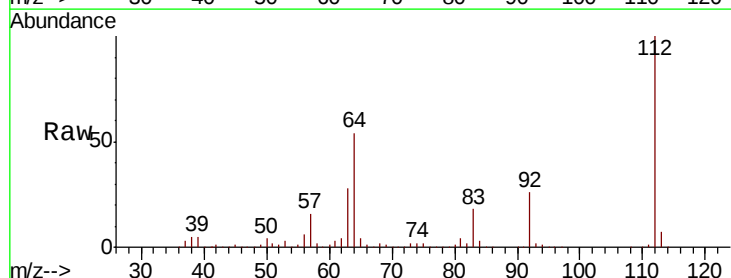
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



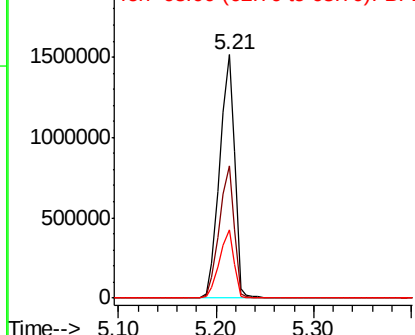
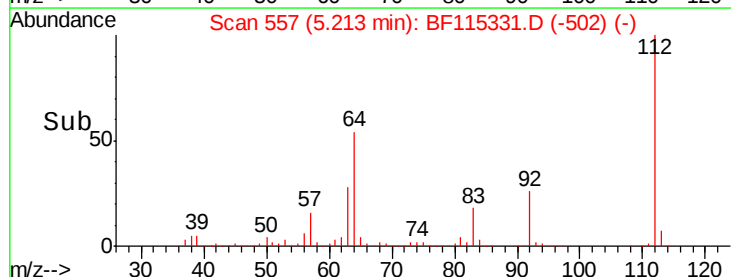
#5

2-Fluorophenol  
Concen: 100.311 ng  
RT: 5.21 min Scan# 557  
Delta R.T. 0.02 min  
Lab File: BF115331.D  
Acq: 1 Jul 2019 11:31

Tgt Ion:112 Resp: 1634949  
Ion Ratio Lower Upper  
112 100  
64 54.4 43.8 65.6  
63 28.3 22.2 33.4



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: 102.757 ng

RT: 6.25 min Scan# 733

Delta R.T. 0.01 min

Lab File: BF115331.D

Acq: 1 Jul 2019 11:31

Instrument :

BNA\_F

ClientSampleId :

PB121019BL

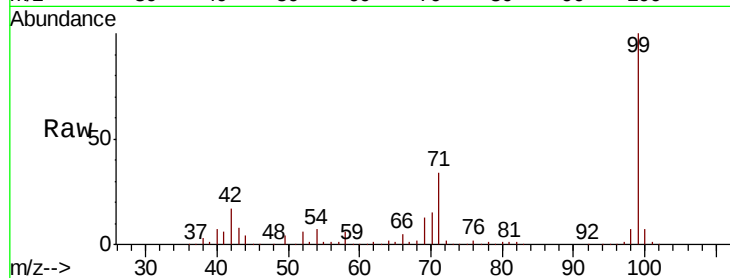
Tot Ion: 99 Resp: 2032820

Ion Ratio Lower Upper

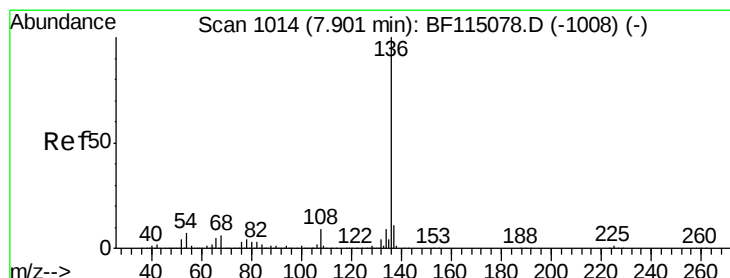
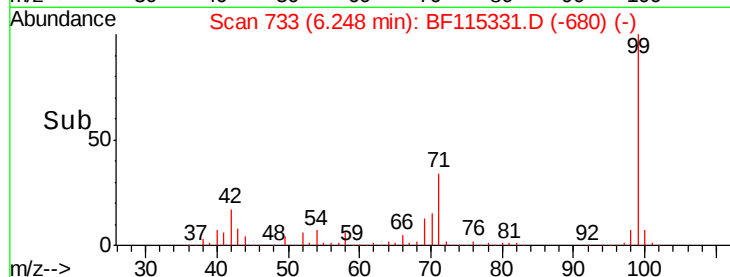
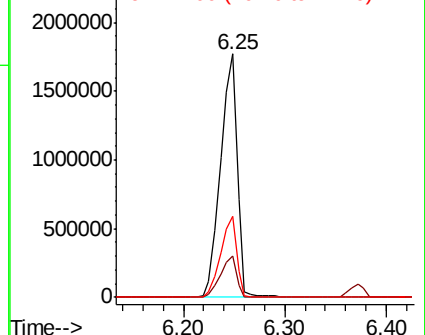
99 100

42 16.9 13.6 20.4

71 33.5 25.5 38.3



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: 7.88 min Scan# 1011

Delta R.T. 0.00 min

Lab File: BF115331.D

Acq: 1 Jul 2019 11:31

Tgt Ion: 136 Resp: 962827

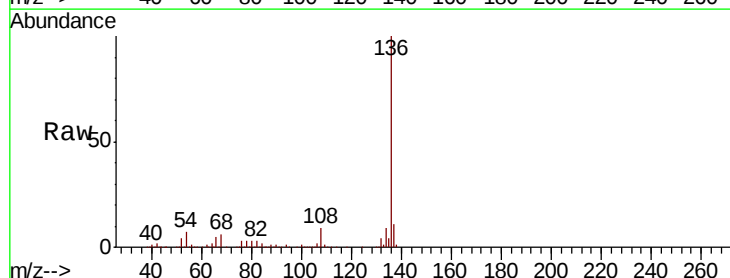
Ion Ratio Lower Upper

136 100

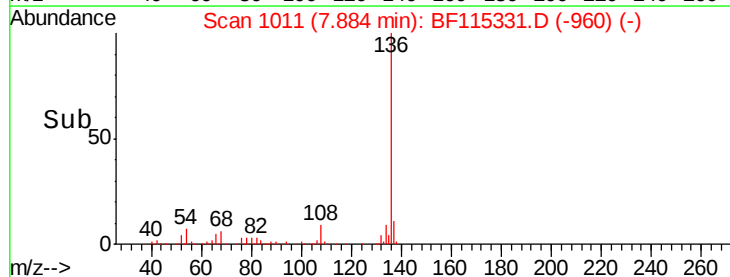
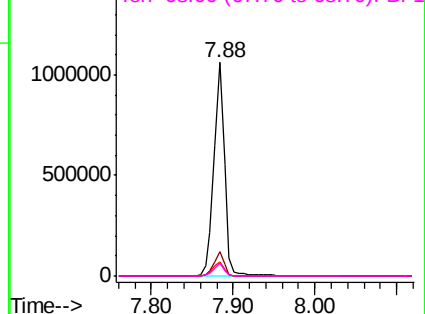
137 11.1 8.9 13.3

54 6.8 5.6 8.4

68 6.1 4.8 7.2



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

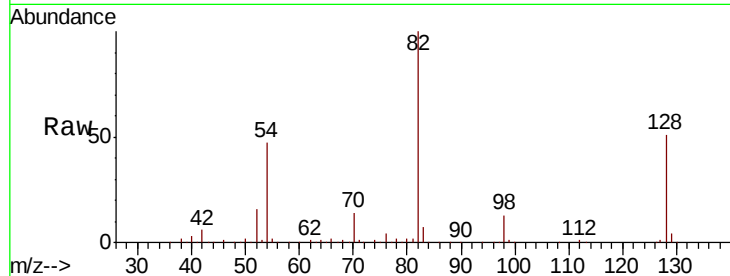




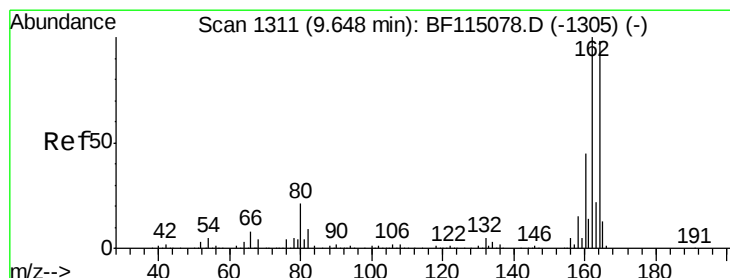
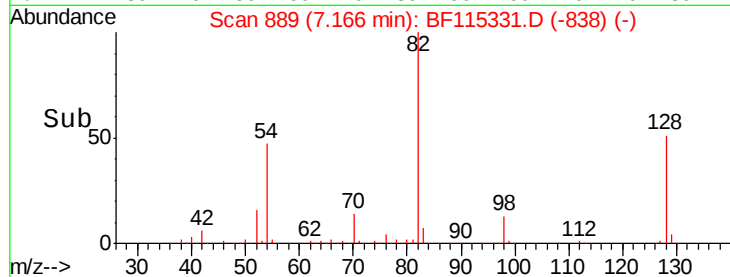
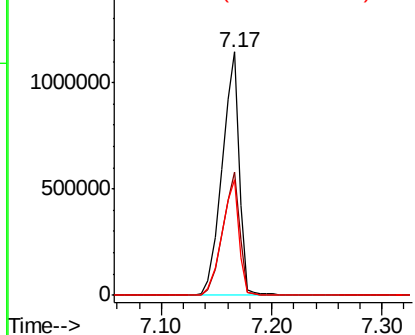
#23  
 Nitrobenzene-d5  
 Concen: 79.324 ng  
 RT: 7.17 min Scan# 889  
 Delta R.T. 0.00 min  
 Lab File: BF115331.D  
 Acq: 1 Jul 2019 11:31

Instrument :  
 BNA\_F  
 ClientSampleID :  
 PB121019BL

Tot Ion: 82 Resp: 1241569  
 Ion Ratio Lower Upper  
 82 100  
 128 50.9 40.4 60.6  
 54 47.4 37.5 56.3

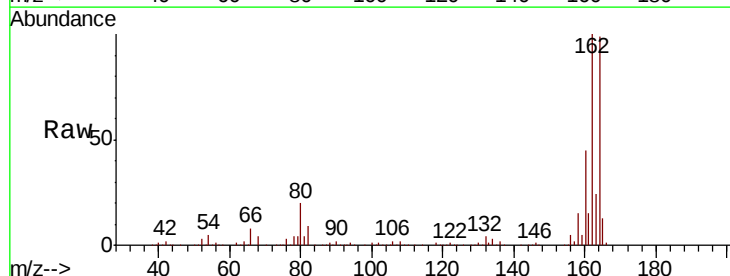


Abundance Ion 82.00 (81.70 to 82.70): BF1  
 Ion 128.00 (127.70 to 128.70): BF1  
 Ion 54.00 (53.70 to 54.70): BF1

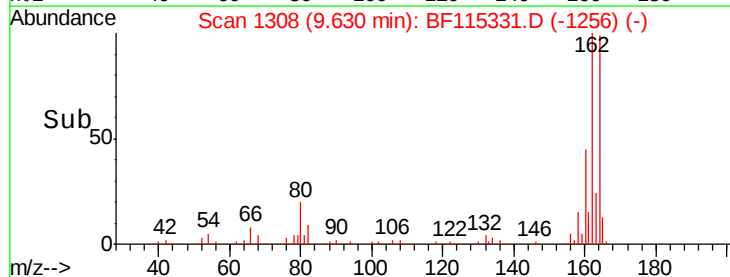
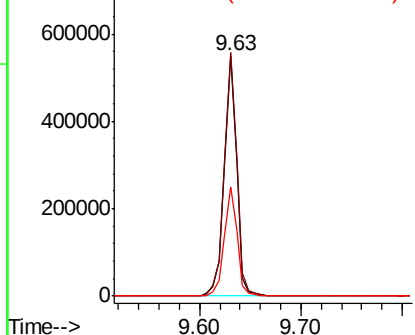


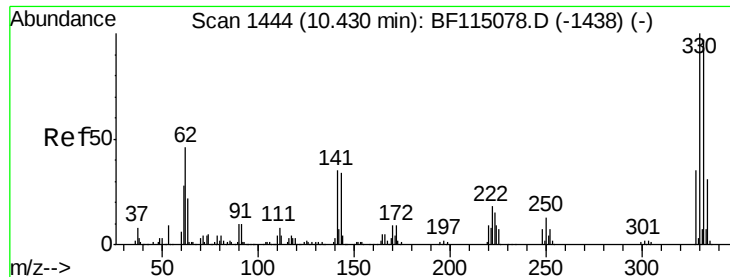
#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.63 min Scan# 1308  
 Delta R.T. 0.01 min  
 Lab File: BF115331.D  
 Acq: 1 Jul 2019 11:31

Tgt Ion:164 Resp: 466173  
 Ion Ratio Lower Upper  
 164 100  
 162 101.5 81.7 122.5  
 160 45.8 37.0 55.4



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: 114.095 ng

RT: 10.42 min Scan# 1442

Delta R.T. 0.01 min

Lab File: BF115331.D

Acq: 1 Jul 2019 11:31

Instrument :

BNA\_F

ClientSampleId :

PB121019BL

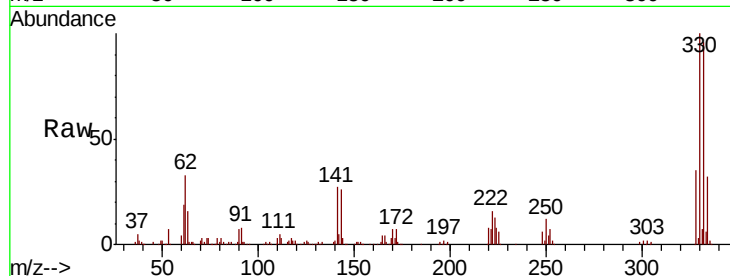
Tot Ion:330 Resp: 560888

Ion Ratio Lower Upper

330 100

332 96.8 77.3 115.9

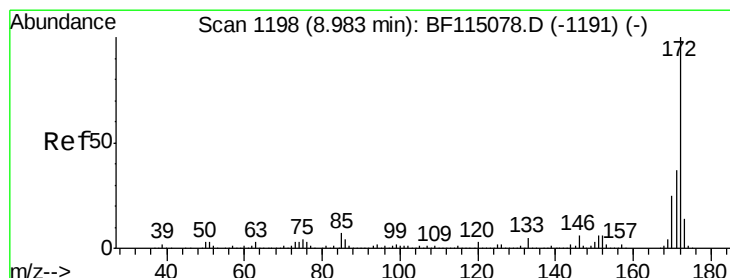
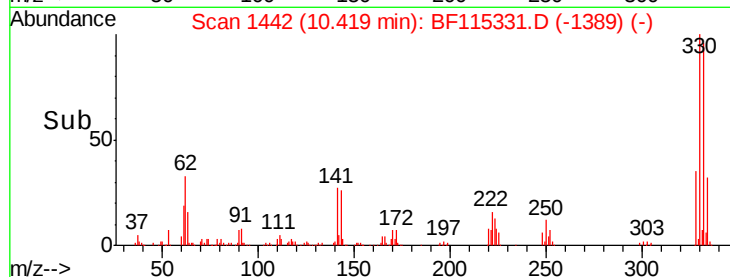
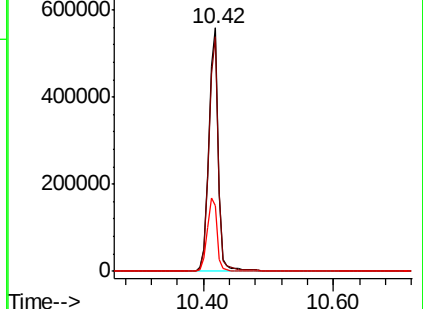
141 32.1 28.2 42.2



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: 82.864 ng

RT: 8.97 min Scan# 1195

Delta R.T. 0.01 min

Lab File: BF115331.D

Acq: 1 Jul 2019 11:31

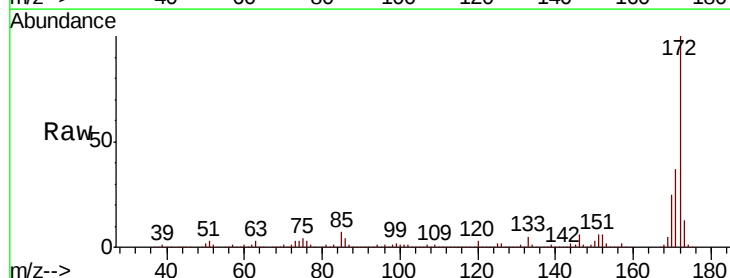
Tgt Ion:172 Resp: 2274130

Ion Ratio Lower Upper

172 100

171 36.9 29.8 44.6

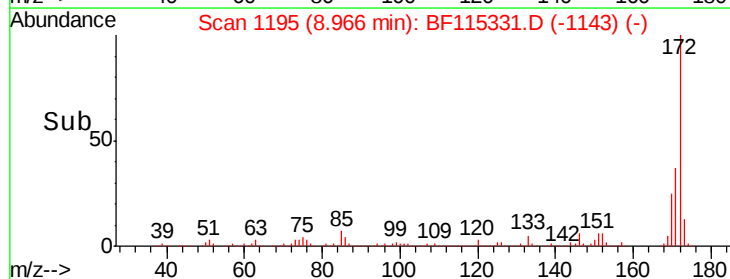
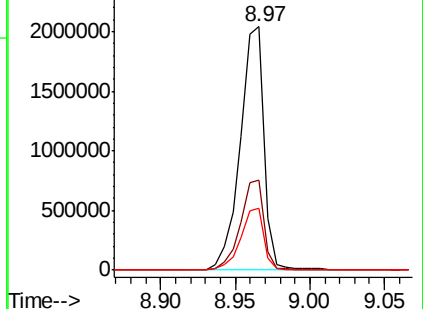
170 25.4 20.3 30.5

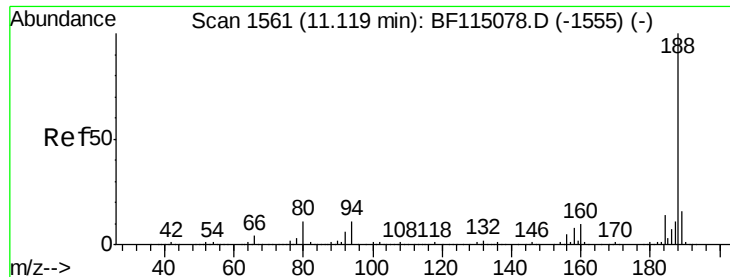


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

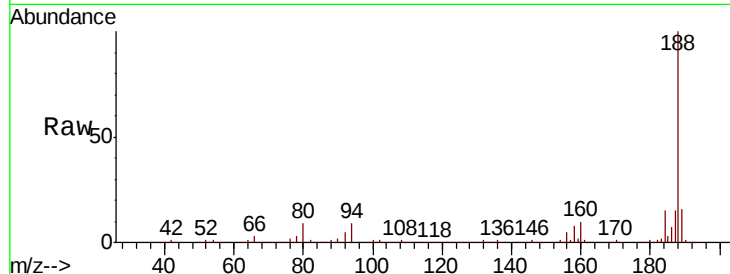




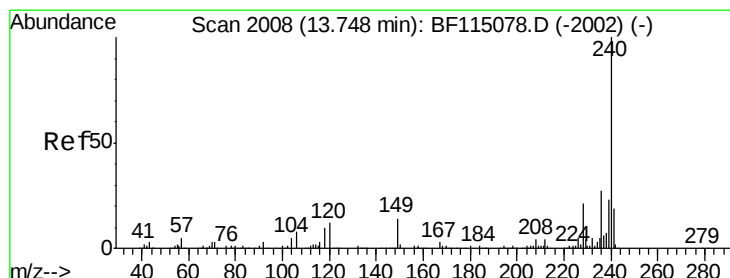
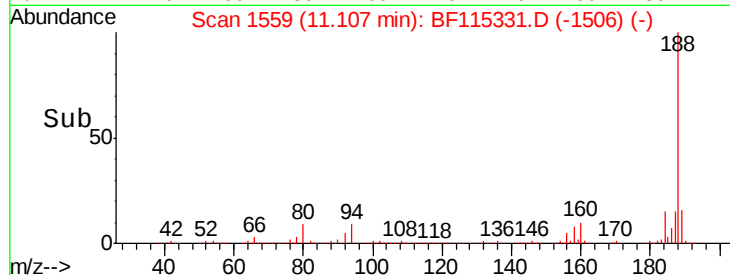
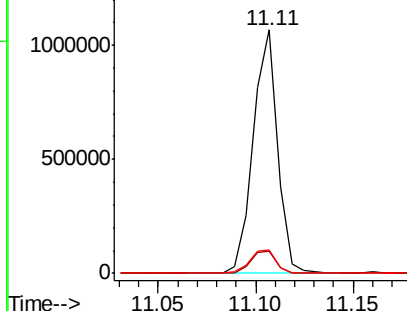
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.11 min Scan# 1559  
Delta R.T. 0.01 min  
Lab File: BF115331.D  
Acq: 1 Jul 2019 11:31

Instrument :  
BNA\_F  
ClientSampled :  
PB121019BL

Tot Ion:188 Resp: 923136  
Ion Ratio Lower Upper  
188 100  
94 9.0 8.6 12.8  
80 9.4 8.8 13.2

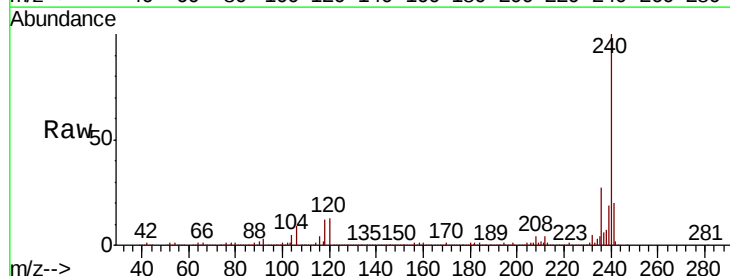


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF1  
Ion 80.00 (79.70 to 80.70): BF1

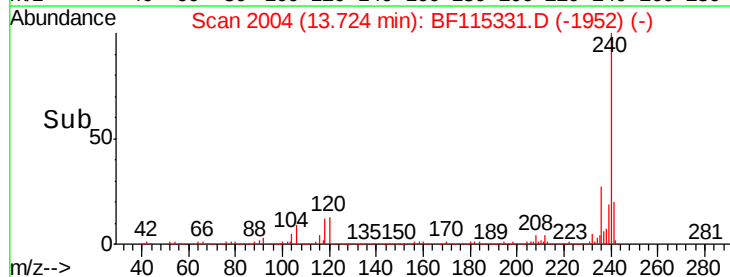
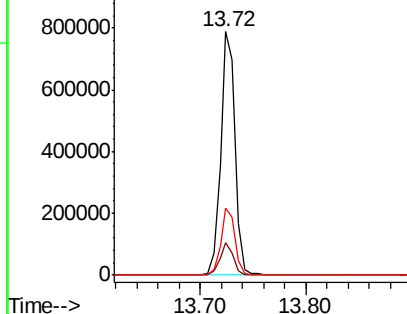


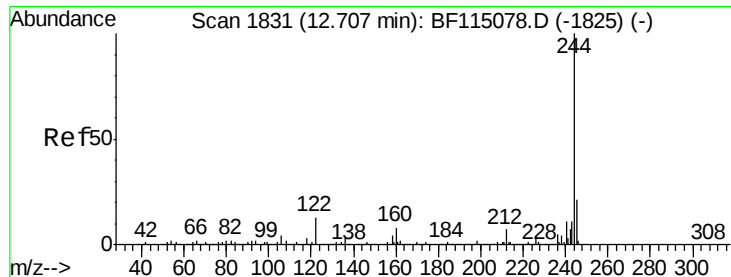
#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.72 min Scan# 2004  
Delta R.T. 0.01 min  
Lab File: BF115331.D  
Acq: 1 Jul 2019 11:31

Tgt Ion:240 Resp: 752850  
Ion Ratio Lower Upper  
240 100  
120 13.3 9.4 14.2  
236 27.4 21.7 32.5



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: 71.419 ng

RT: 12.70 min Scan# 1829

Delta R.T. 0.01 min

Lab File: BF115331.D

Acq: 1 Jul 2019 11:31

Instrument :

BNA\_F

ClientSampleId :

PB121019BL

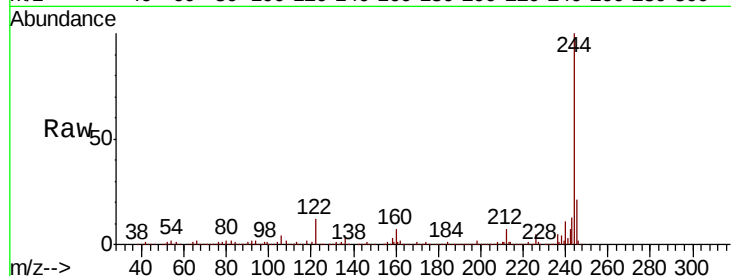
Tot Ion:244 Resp: 2528874

Ion Ratio Lower Upper

244 100

212 7.1 5.8 8.6

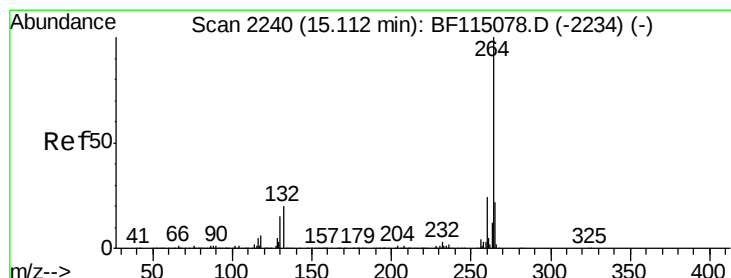
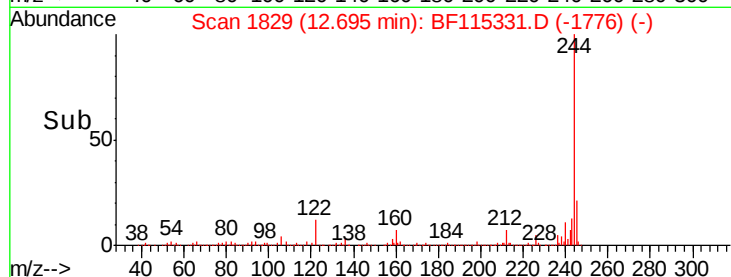
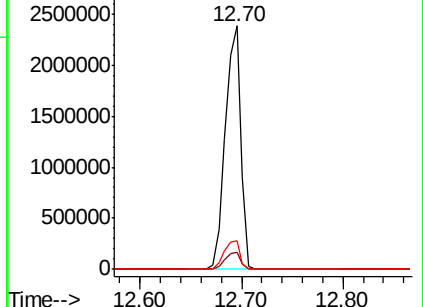
122 11.5 10.4 15.6



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: 15.10 min Scan# 2238

Delta R.T. 0.02 min

Lab File: BF115331.D

Acq: 1 Jul 2019 11:31

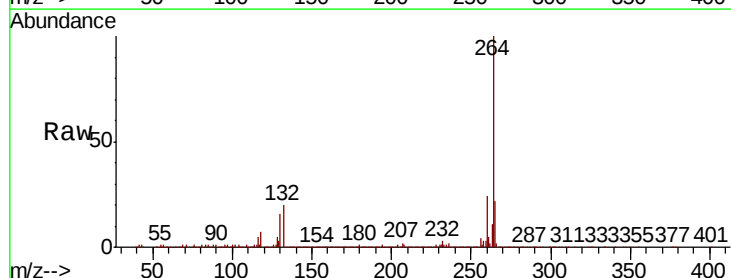
Tgt Ion:264 Resp: 806889

Ion Ratio Lower Upper

264 100

260 24.3 19.6 29.4

265 21.9 17.3 25.9



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

