

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070119\  
 Data File : BF115329.D  
 Acq On : 1 Jul 2019 10:30  
 Operator : HP/JU  
 Sample : PB121041BL  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB121041BL

Quant Time: Jul 02 08:31:26 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  | 251911   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 7.88  | 136  | 978008   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 9.63  | 164  | 474904   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 11.11 | 188  | 948391   | 20.00  | ng    | 0.01     |
| 76) Chrysene-d12            | 13.73 | 240  | 780959   | 20.00  | ng    | 0.01     |
| 87) Perylene-d12            | 15.11 | 264  | 845473   | 20.00  | ng    | 0.02     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.21  | 112  | 1604793  | 98.31  | ng    | 0.02     |
| 7) Phenol-d6                | 6.25  | 99   | 2029290  | 102.42 | ng    | 0.01     |
| 23) Nitrobenzene-d5         | 7.17  | 82   | 1233217  | 77.57  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.42 | 330  | 571065   | 114.03 | ng    | 0.01     |
| 45) 2-Fluorobiphenyl        | 8.97  | 172  | 2254945  | 80.65  | ng    | 0.00     |
| 79) Terphenyl-d14           | 12.70 | 244  | 2591863  | 70.56  | ng    | 0.01     |

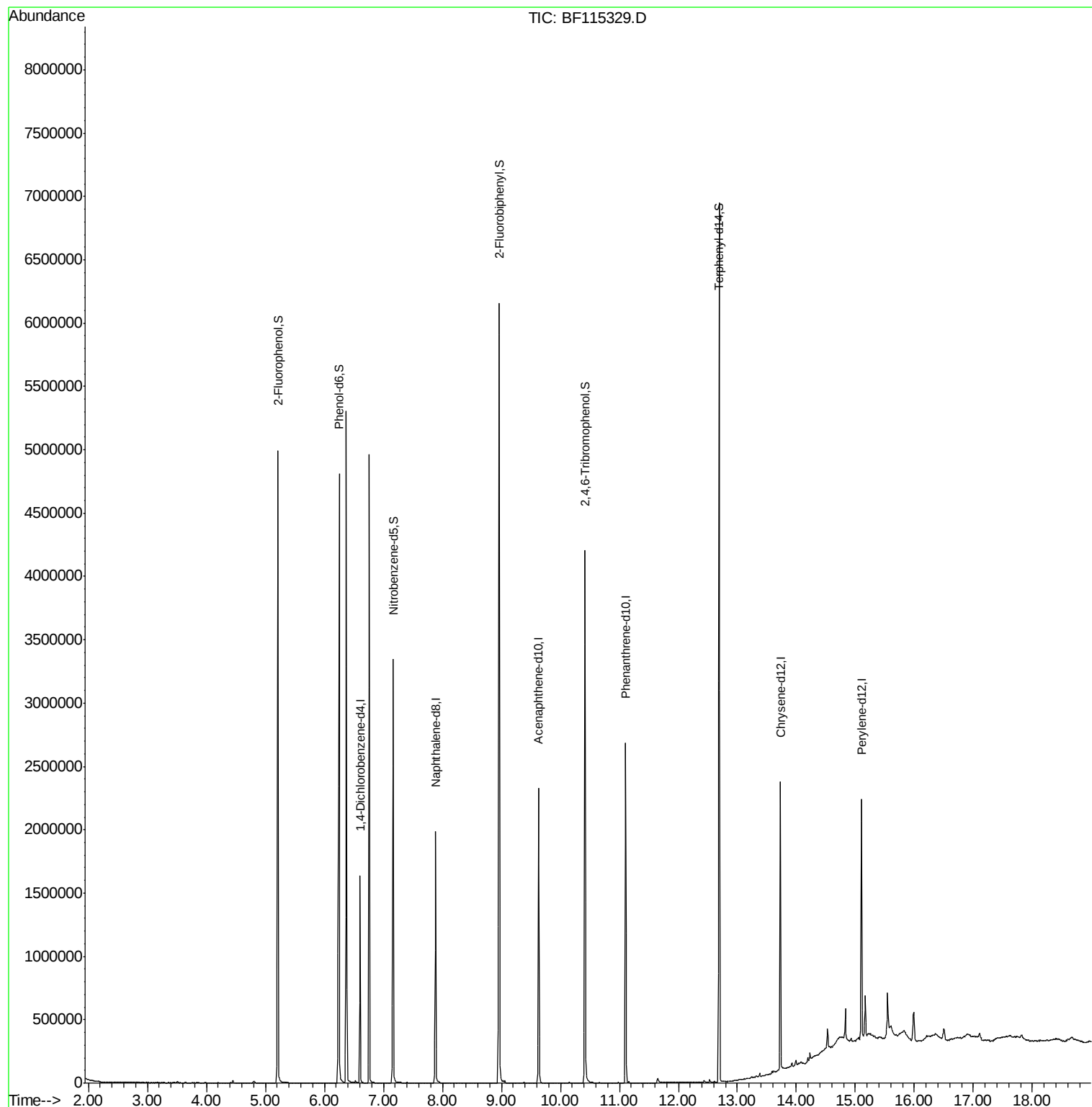
Target Compounds Qvalue

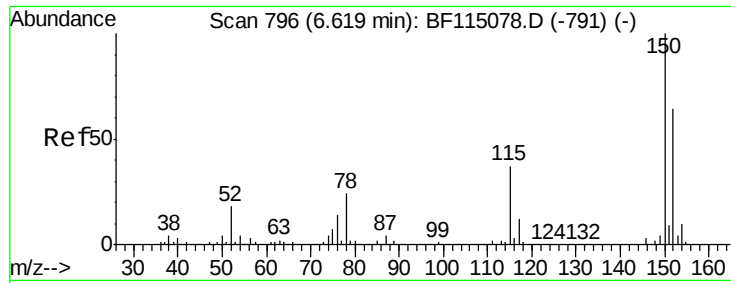
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Jun 28 05:26:43 2019  
Response via : Initial Calibration



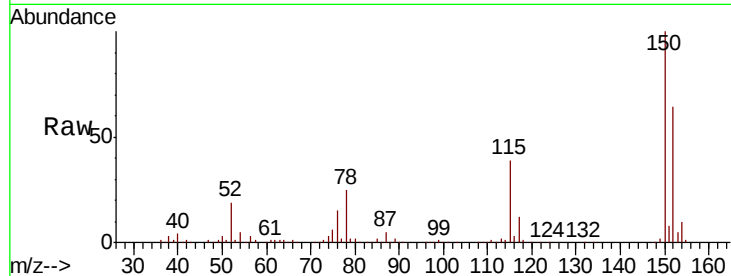


#1

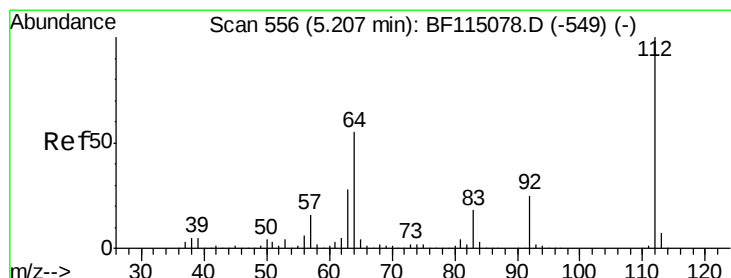
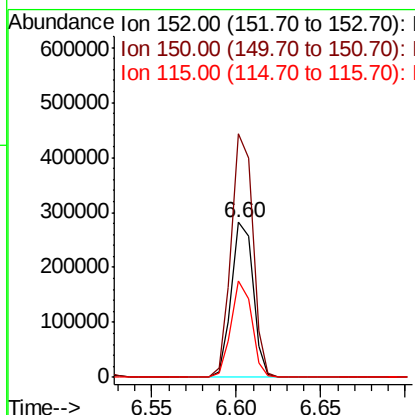
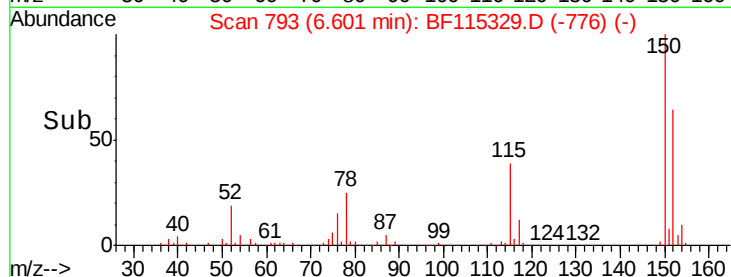
1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.60 min Scan# 793  
 Delta R.T. 0.00 min  
 Lab File: BF115329.D  
 Acq: 1 Jul 2019 10:30

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB121041BL

Tot Ion:152 Resp: 251911  
 Ion Ratio Lower Upper  
 152 100  
 150 157.0 124.2 186.2  
 115 61.9 46.1 69.1



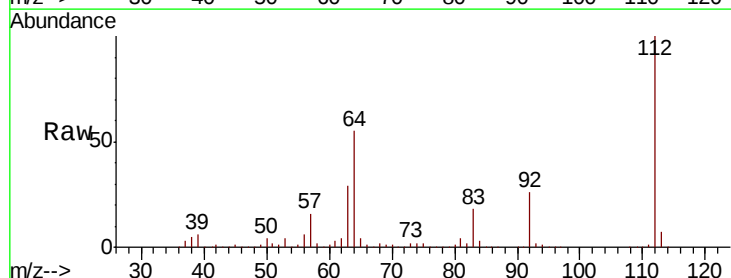
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



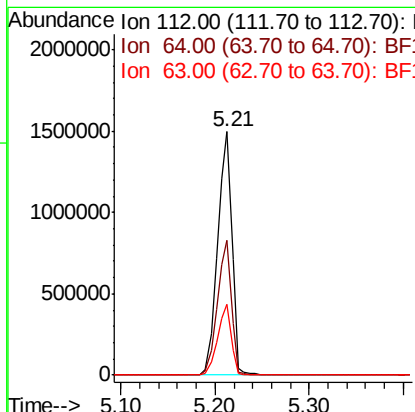
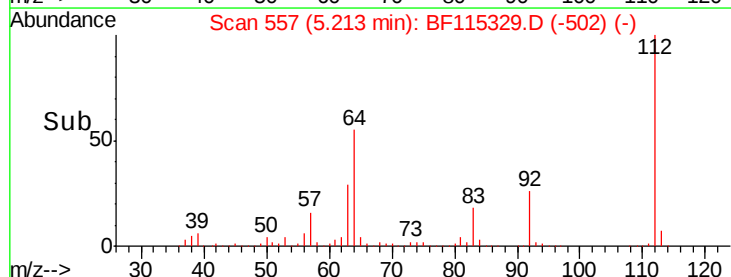
#5

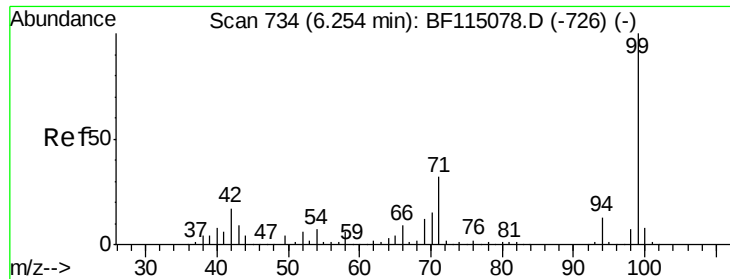
2-Fluorophenol  
 Concen: 98.307 ng  
 RT: 5.21 min Scan# 557  
 Delta R.T. 0.02 min  
 Lab File: BF115329.D  
 Acq: 1 Jul 2019 10:30

Tgt Ion:112 Resp: 1604793  
 Ion Ratio Lower Upper  
 112 100  
 64 55.3 43.8 65.6  
 63 28.9 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: 102.419 ng

RT: 6.25 min Scan# 733

Delta R.T. 0.01 min

Lab File: BF115329.D

Acq: 1 Jul 2019 10:30

Instrument :

BNA\_F

ClientSampleId :

PB121041BL

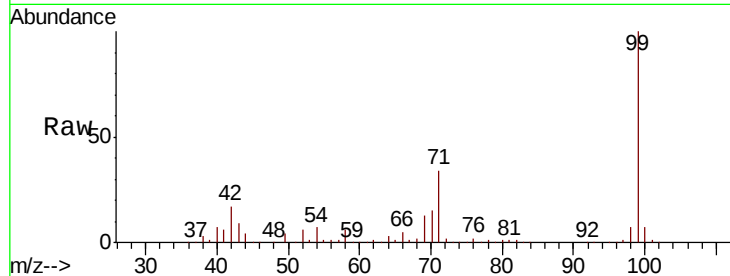
Tot Ion: 99 Resp: 2029290

Ion Ratio Lower Upper

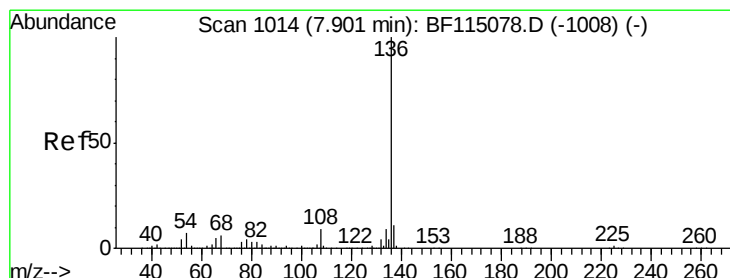
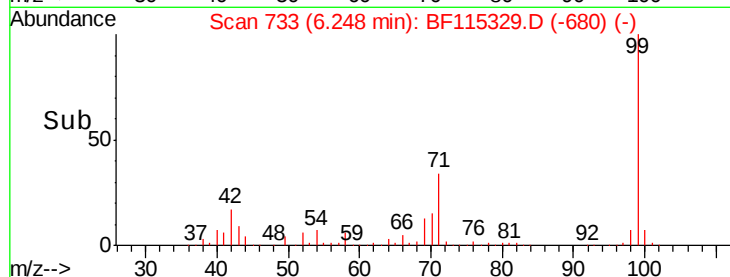
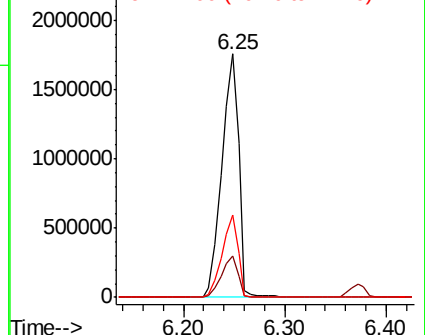
99 100

42 17.2 13.6 20.4

71 33.6 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: BF115329.D

Acq: 1 Jul 2019 10:30

Tgt Ion: 136 Resp: 978008

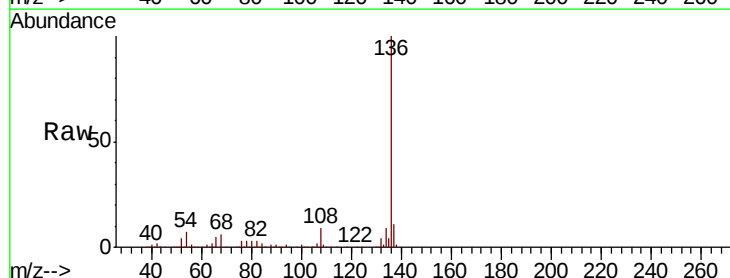
Ion Ratio Lower Upper

136 100

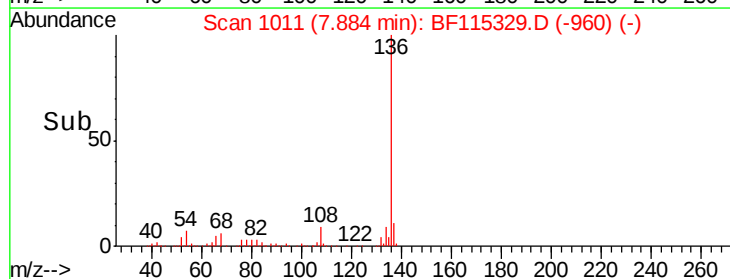
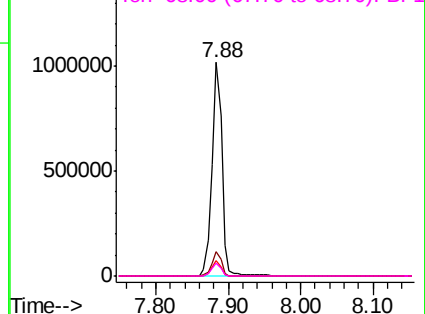
137 11.2 8.9 13.3

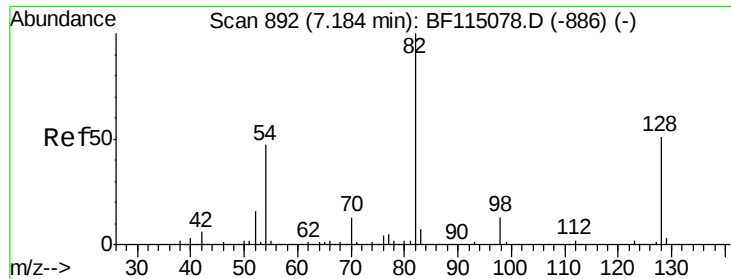
54 7.2 5.6 8.4

68 6.0 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

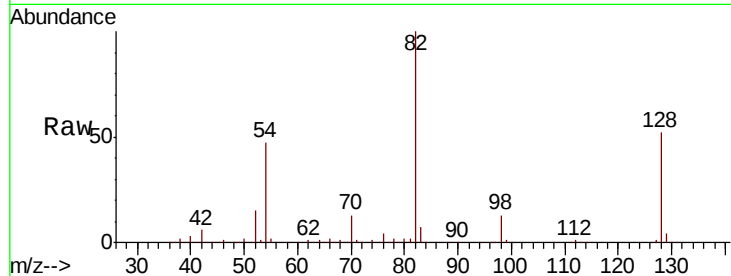




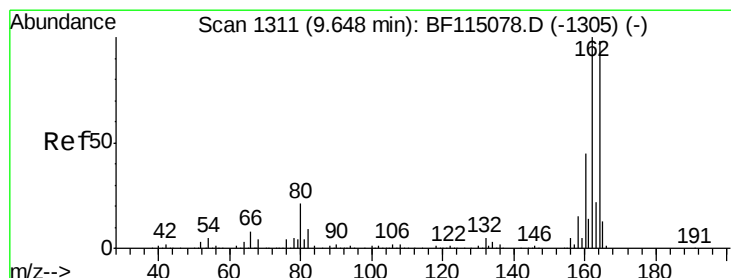
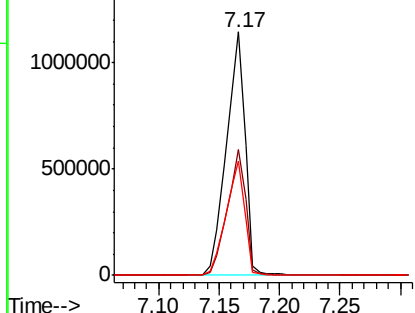
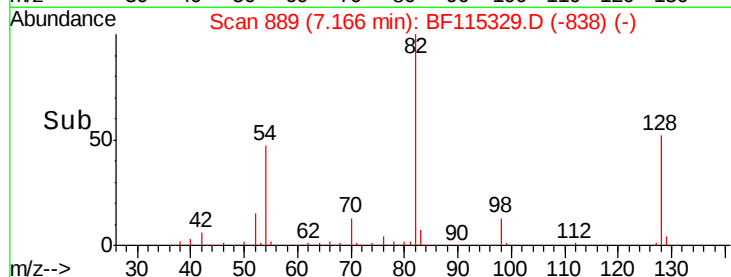
#23  
 Nitrobenzene-d5  
 Concen: 77.568 ng  
 RT: 7.17 min Scan# 889  
 Delta R.T. 0.00 min  
 Lab File: BF115329.D  
 Acq: 1 Jul 2019 10:30

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB121041BL

Tot Ion: 82 Resp: 1233217  
 Ion Ratio Lower Upper  
 82 100  
 128 51.7 40.4 60.6  
 54 46.9 37.5 56.3

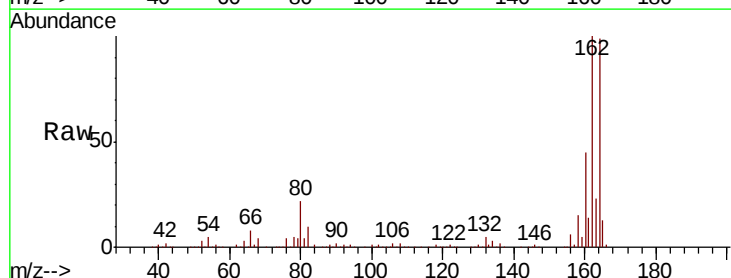


Abundance Ion 82.00 (81.70 to 82.70): BF1  
 Ion 128.00 (127.70 to 128.70): E  
 Ion 54.00 (53.70 to 54.70): BF1

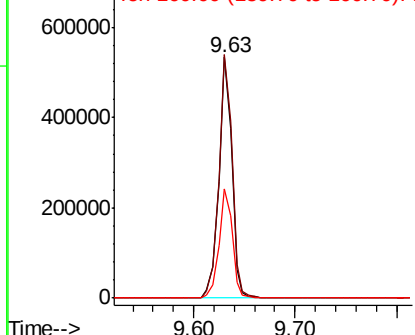
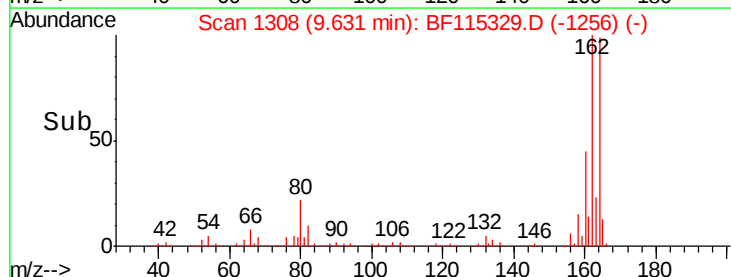


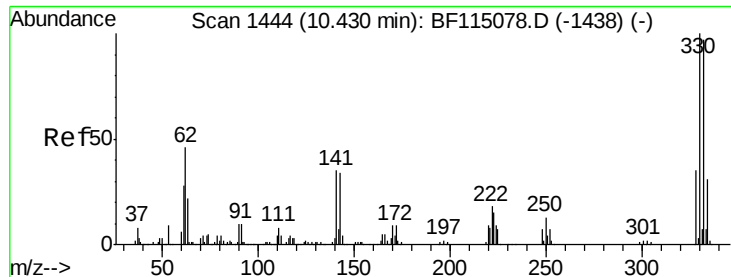
#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.63 min Scan# 1308  
 Delta R.T. 0.01 min  
 Lab File: BF115329.D  
 Acq: 1 Jul 2019 10:30

Tgt Ion:164 Resp: 474904  
 Ion Ratio Lower Upper  
 164 100  
 162 101.1 81.7 122.5  
 160 45.1 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

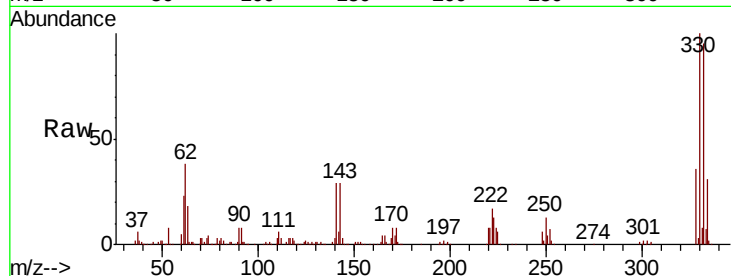




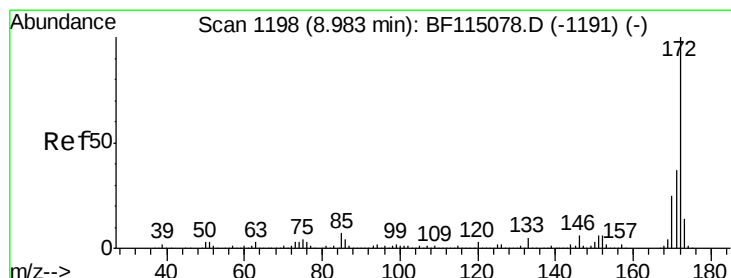
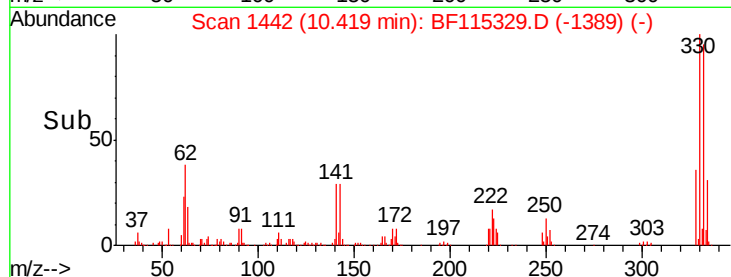
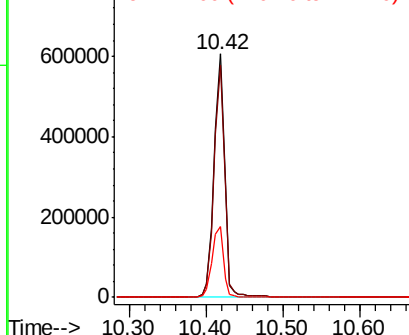
#42  
 2,4,6-Tribromophenol  
 Concen: 114.030 ng  
 RT: 10.42 min Scan# 1442  
 Delta R.T. 0.01 min  
 Lab File: BF115329.D  
 Acq: 1 Jul 2019 10:30

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB121041BL

Tot Ion:330 Resp: 571065  
 Ion Ratio Lower Upper  
 330 100  
 332 96.2 77.3 115.9  
 141 32.1 28.2 42.2

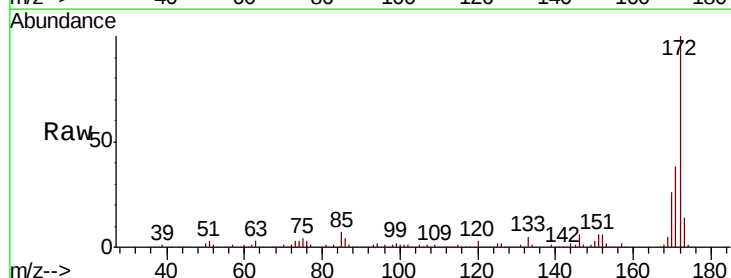


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

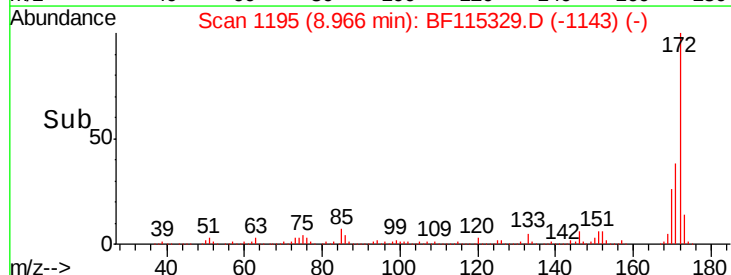
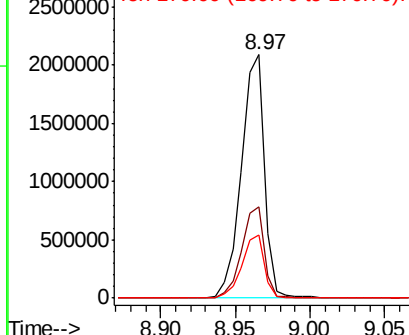


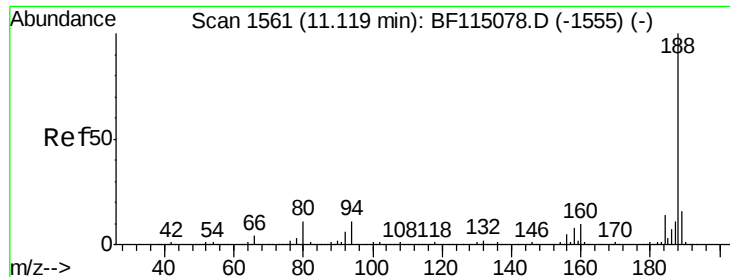
#45  
 2-Fluorobiphenyl  
 Concen: 80.654 ng  
 RT: 8.97 min Scan# 1195  
 Delta R.T. 0.01 min  
 Lab File: BF115329.D  
 Acq: 1 Jul 2019 10:30

Tgt Ion:172 Resp: 2254945  
 Ion Ratio Lower Upper  
 172 100  
 171 37.7 29.8 44.6  
 170 25.8 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

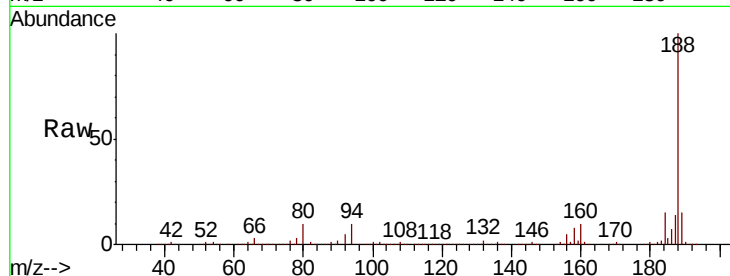




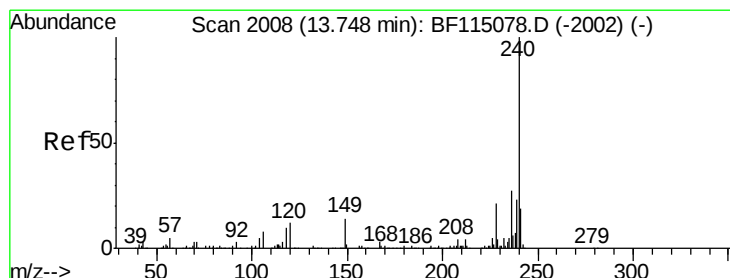
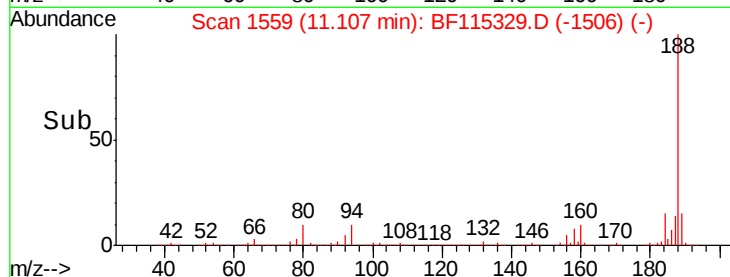
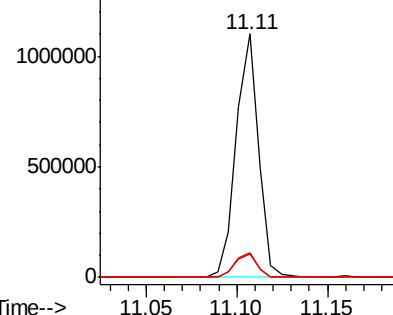
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.11 min Scan# 1559  
Delta R.T. 0.01 min  
Lab File: BF115329.D  
Acq: 1 Jul 2019 10:30

Instrument :  
BNA\_F  
ClientSampled :  
PB121041BL

Tot Ion:188 Resp: 948391  
Ion Ratio Lower Upper  
188 100  
94 9.6 8.6 12.8  
80 10.0 8.8 13.2

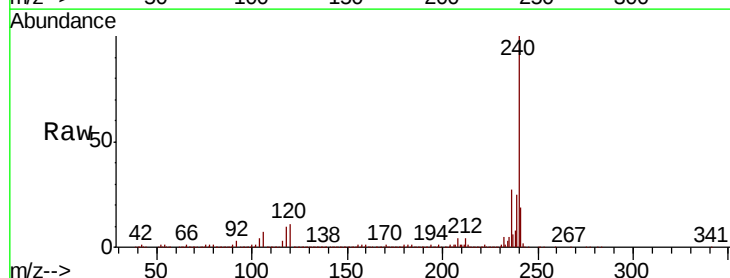


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF1  
Ion 80.00 (79.70 to 80.70): BF1

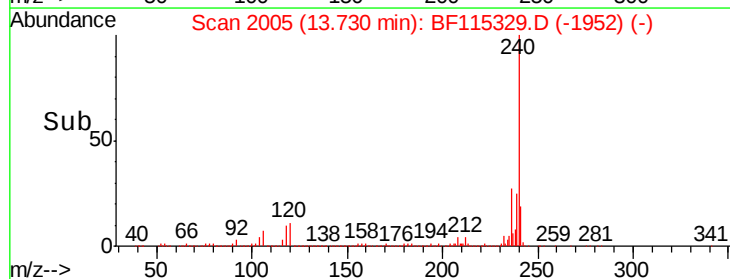
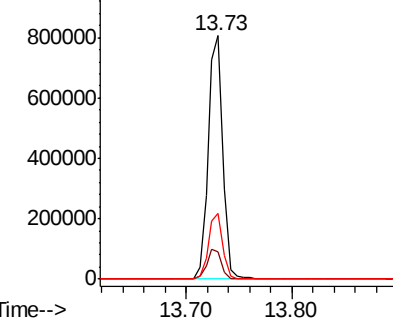


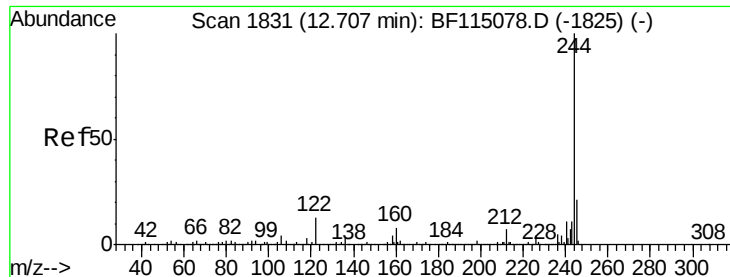
#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.73 min Scan# 2005  
Delta R.T. 0.01 min  
Lab File: BF115329.D  
Acq: 1 Jul 2019 10:30

Tgt Ion:240 Resp: 780959  
Ion Ratio Lower Upper  
240 100  
120 11.1 9.4 14.2  
236 27.2 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: 70.563 ng

RT: 12.70 min Scan# 1829

Delta R.T. 0.01 min

Lab File: BF115329.D

Acq: 1 Jul 2019 10:30

Instrument :

BNA\_F

ClientSampleId :

PB121041BL

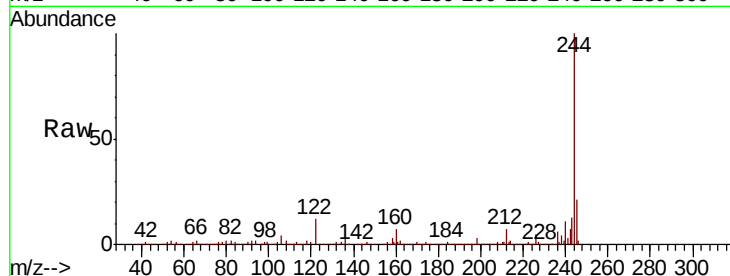
Tot Ion:244 Resp: 2591863

Ion Ratio Lower Upper

244 100

212 7.3 5.8 8.6

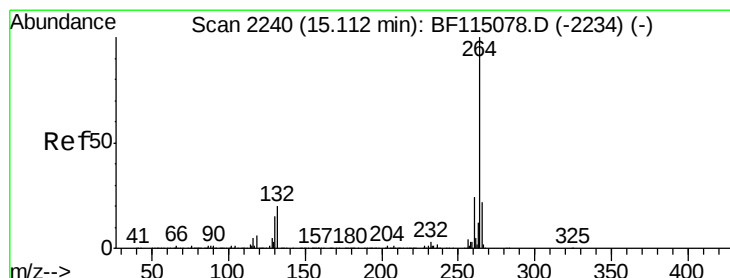
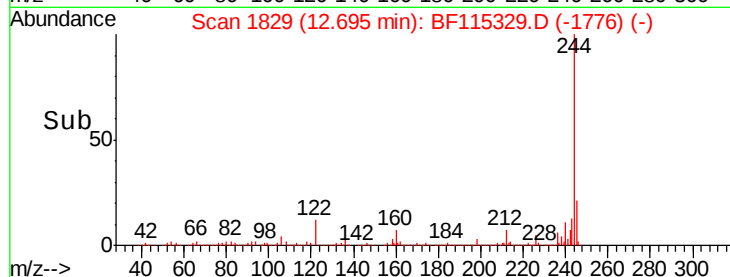
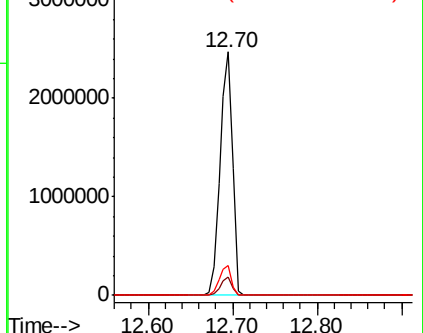
122 12.0 10.4 15.6



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: 15.11 min Scan# 2239

Delta R.T. 0.02 min

Lab File: BF115329.D

Acq: 1 Jul 2019 10:30

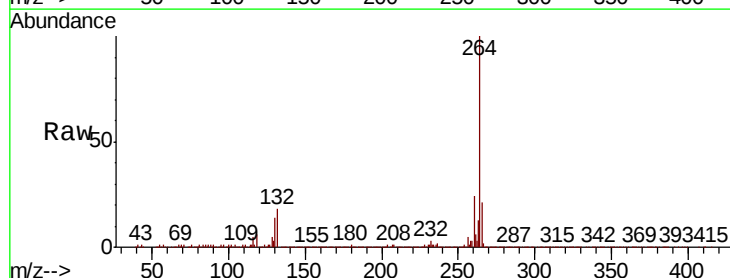
Tgt Ion:264 Resp: 845473

Ion Ratio Lower Upper

264 100

260 24.2 19.6 29.4

265 21.5 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

