

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062819\  
 Data File : BF115293.D  
 Acq On : 28 Jun 2019 20:37  
 Operator : HP/JU  
 Sample : K3555-08  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SAMPLE-18

Quant Time: Jun 29 05:40:22 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  | 240911   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 7.88  | 136  | 926659   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 9.62  | 164  | 464476   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 11.10 | 188  | 949064   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12            | 13.71 | 240  | 790499   | 20.00  | ng    | 0.00     |
| 87) Perylene-d12            | 15.07 | 264  | 788660   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.21  | 112  | 1480152  | 94.81  | ng    | 0.02     |
| 7) Phenol-d6                | 6.24  | 99   | 1673523  | 88.32  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.16  | 82   | 1257494  | 83.48  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.41 | 330  | 641923   | 131.06 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 8.95  | 172  | 2468559  | 90.28  | ng    | 0.00     |
| 79) Terphenyl-d14           | 12.68 | 244  | 2953012  | 79.43  | ng    | 0.00     |

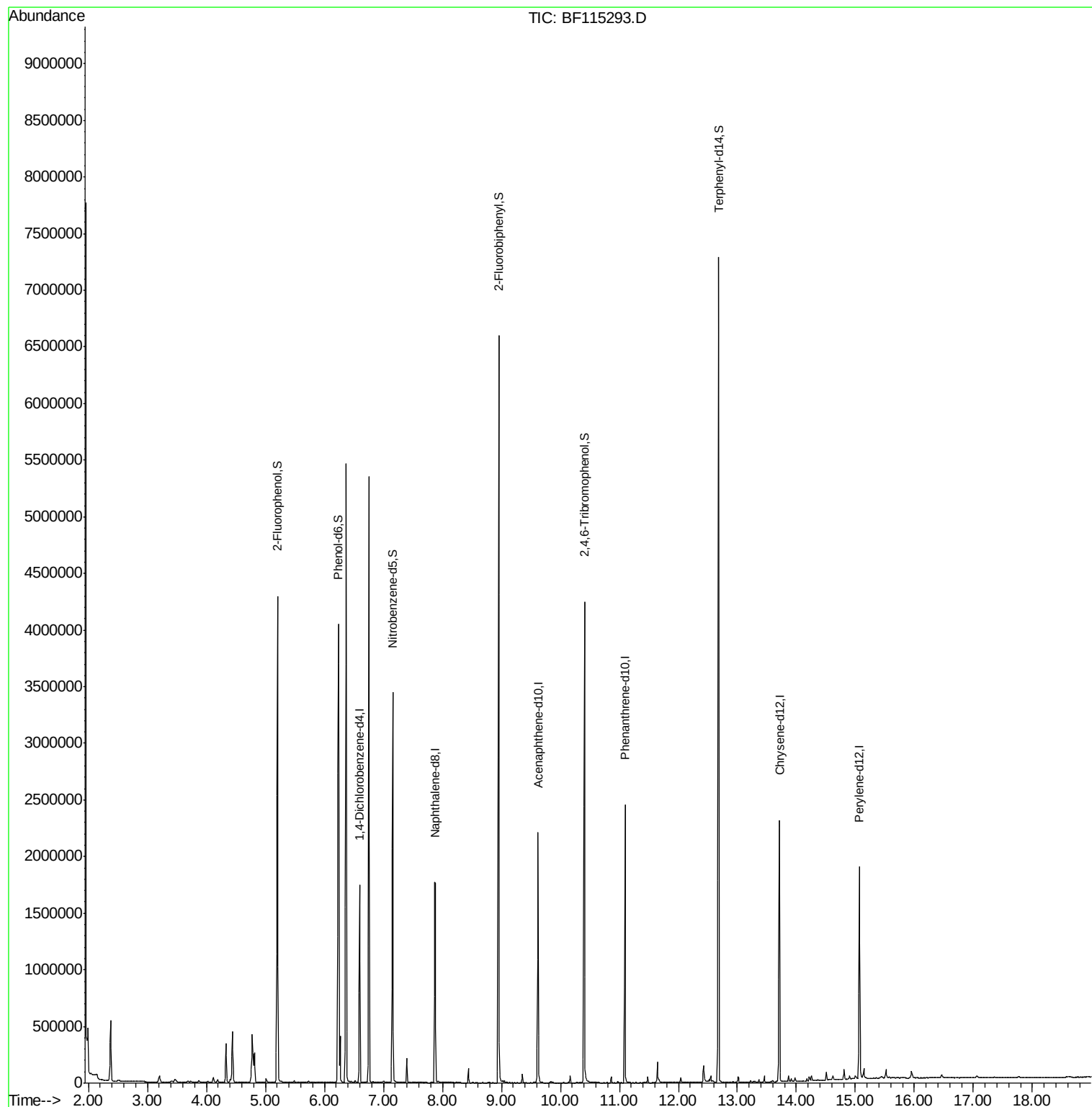
Target Compounds Qvalue

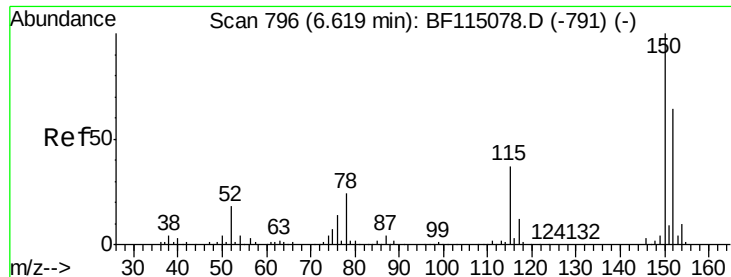
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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SAMPLE-18

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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



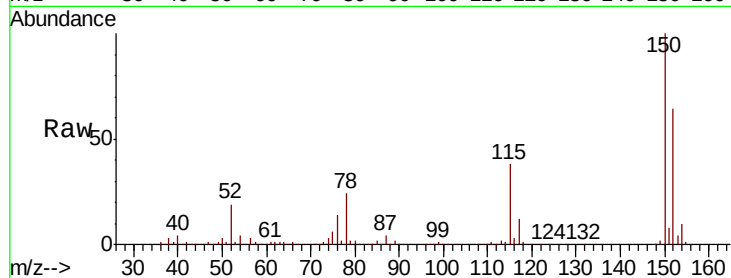


#1

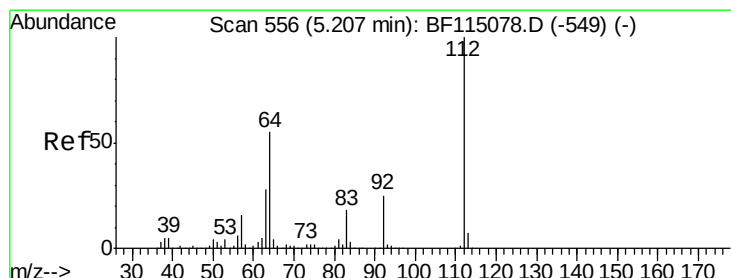
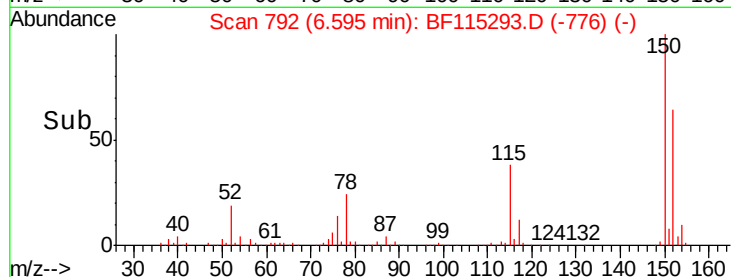
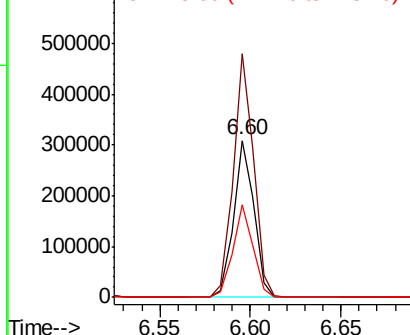
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.60 min Scan# 792  
Delta R.T. -0.01 min  
Lab File: BF115293.D  
Acq: 28 Jun 2019 20:37

Instrument :  
BNA\_F  
ClientSampleId :  
SAMPLE-18

Tot Ion:152 Resp: 240911  
Ion Ratio Lower Upper  
152 100  
150 155.1 124.2 186.2  
115 59.4 46.1 69.1



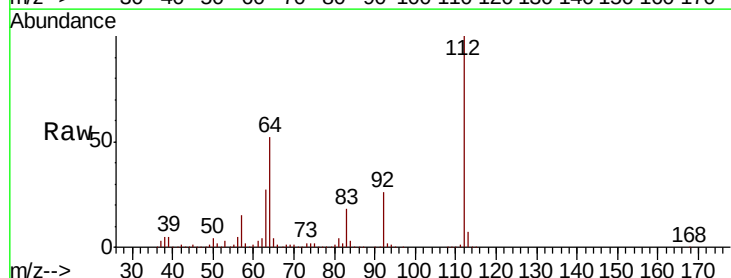
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



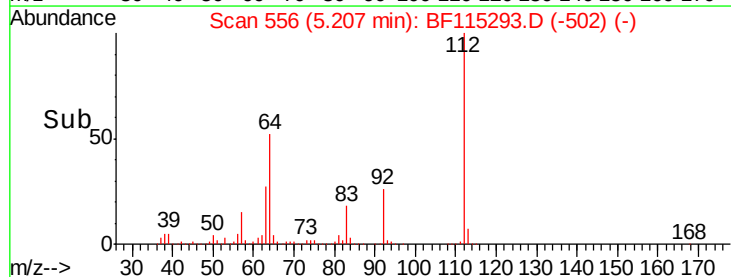
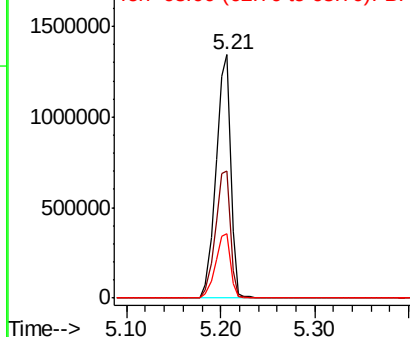
#5

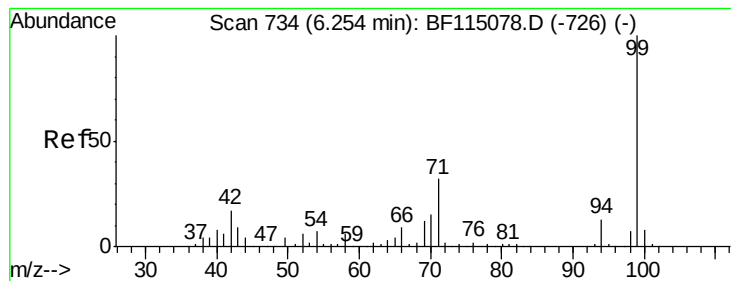
2-Fluorophenol  
Concen: 94.812 ng  
RT: 5.21 min Scan# 556  
Delta R.T. 0.02 min  
Lab File: BF115293.D  
Acq: 28 Jun 2019 20:37

Tgt Ion:112 Resp: 1480152  
Ion Ratio Lower Upper  
112 100  
64 52.2 43.8 65.6  
63 26.5 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: 88.320 ng

RT: 6.24 min Scan# 731

Delta R.T. 0.00 min

Lab File: BF115293.D

Acq: 28 Jun 2019 20:37

Instrument :

BNA\_F

ClientSampleId :

SAMPLE-18

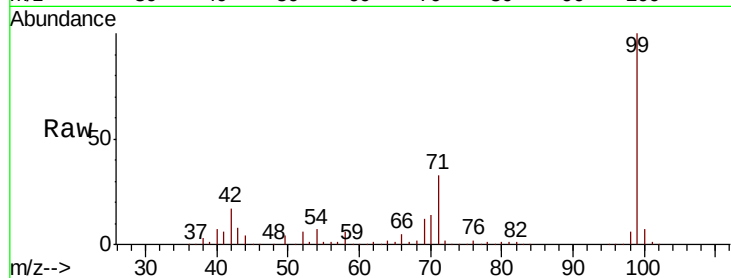
Tot Ion: 99 Resp: 1673523

Ion Ratio Lower Upper

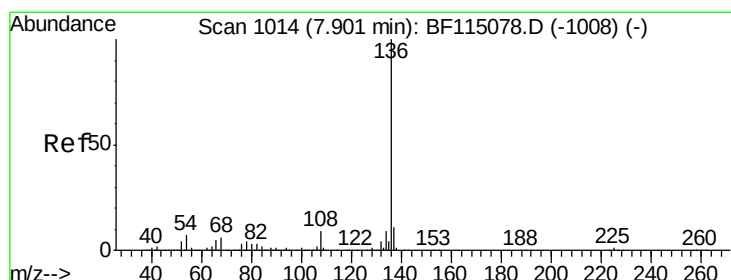
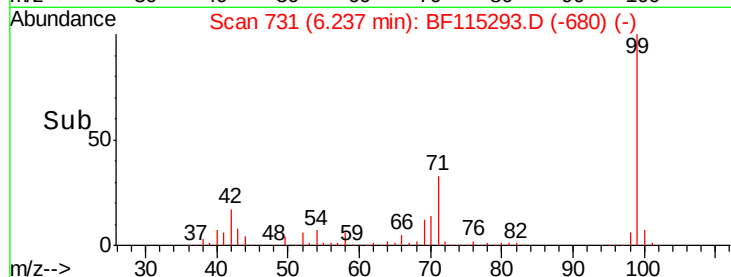
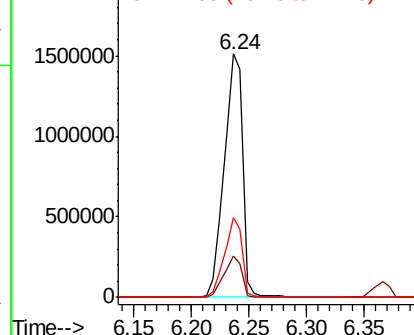
99 100

42 16.9 13.6 20.4

71 32.7 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# 1010

Delta R.T. -0.01 min

Lab File: BF115293.D

Acq: 28 Jun 2019 20:37

Tgt Ion: 136 Resp: 926659

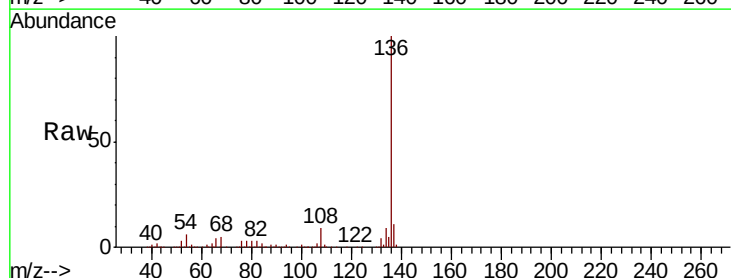
Ion Ratio Lower Upper

136 100

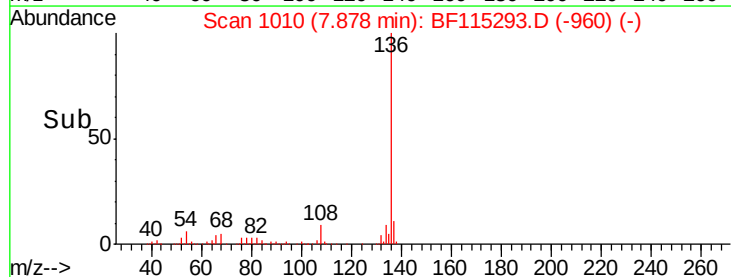
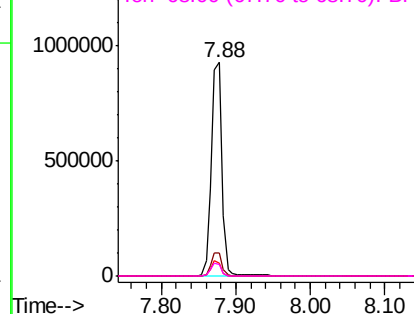
137 10.7 8.9 13.3

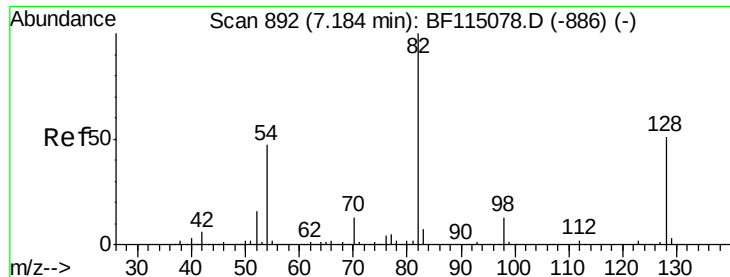
54 6.3 5.6 8.4

68 5.2 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

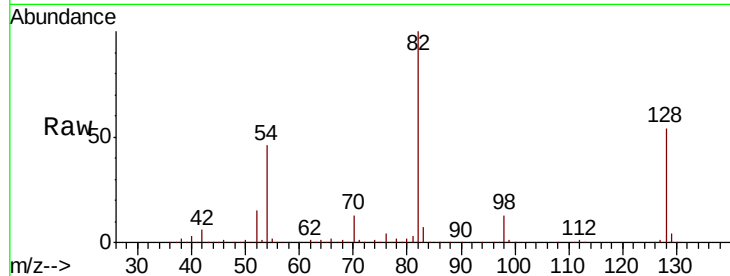




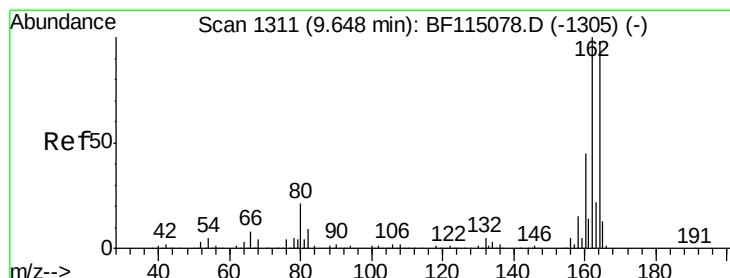
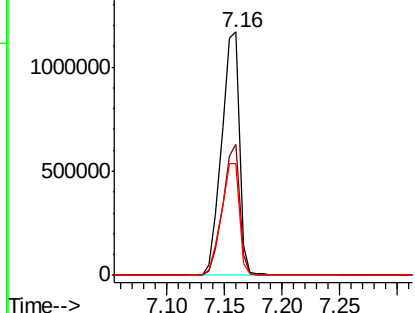
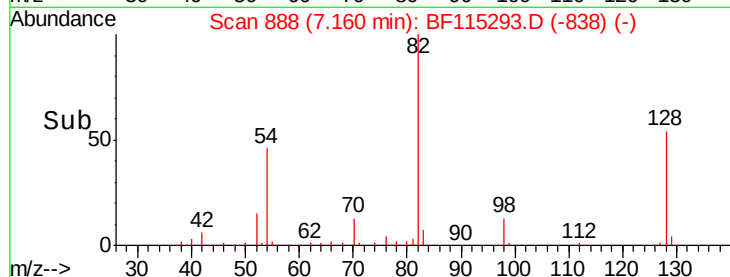
#23  
 Nitrobenzene-d5  
 Concen: 83.478 ng  
 RT: 7.16 min Scan# 888  
 Delta R.T. -0.01 min  
 Lab File: BF115293.D  
 Acq: 28 Jun 2019 20:37

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SAMPLE-18

Tot Ion: 82 Resp: 1257494  
 Ion Ratio Lower Upper  
 82 100  
 128 53.7 40.4 60.6  
 54 46.0 37.5 56.3

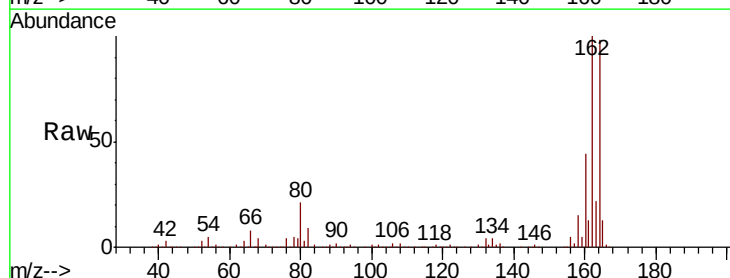


Abundance Ion 82.00 (81.70 to 82.70): BF1  
 Ion 128.00 (127.70 to 128.70): E  
 Ion 54.00 (53.70 to 54.70): BF1

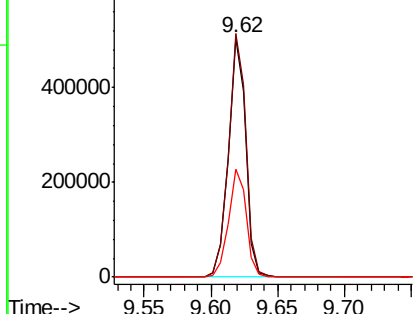
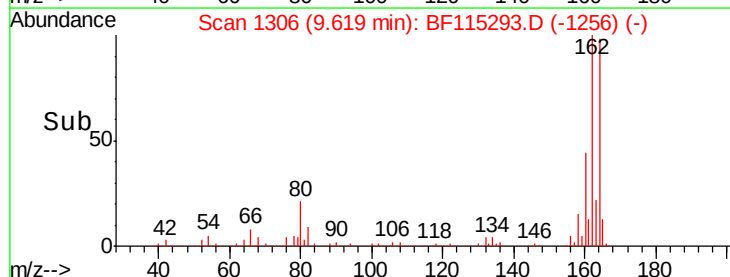


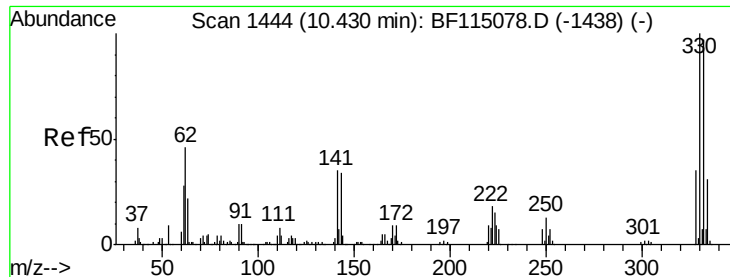
#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.62 min Scan# 1306  
 Delta R.T. -0.01 min  
 Lab File: BF115293.D  
 Acq: 28 Jun 2019 20:37

Tgt Ion:164 Resp: 464476  
 Ion Ratio Lower Upper  
 164 100  
 162 102.0 81.7 122.5  
 160 45.3 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: 131.056 ng

RT: 10.41 min Scan# 1440

Delta R.T. 0.00 min

Lab File: BF115293.D

Acq: 28 Jun 2019 20:37

Instrument :

BNA\_F

ClientSampleId :

SAMPLE-18

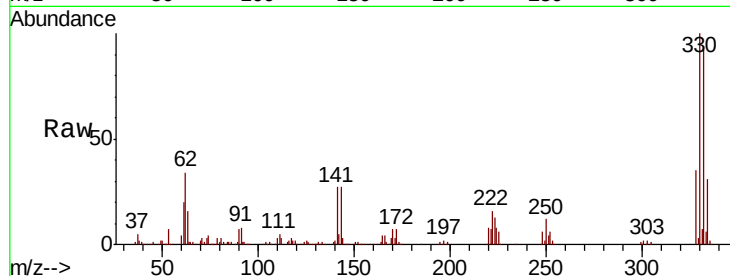
Tot Ion:330 Resp: 641923

Ion Ratio Lower Upper

330 100

332 95.3 77.3 115.9

141 31.7 28.2 42.2

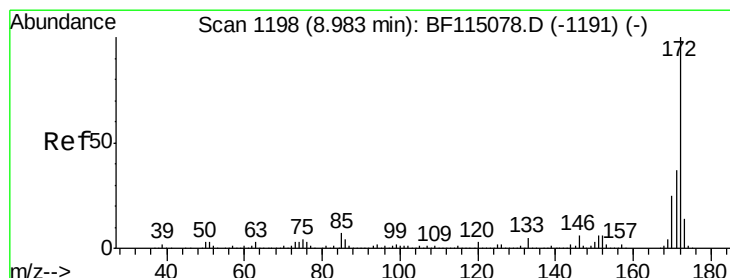
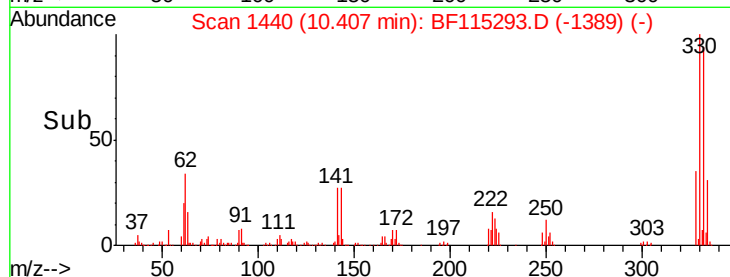
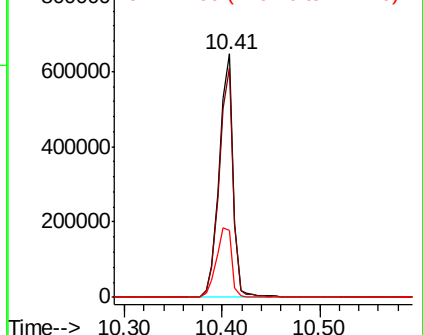


Abundance

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: 90.277 ng

RT: 8.95 min Scan# 1193

Delta R.T. -0.01 min

Lab File: BF115293.D

Acq: 28 Jun 2019 20:37

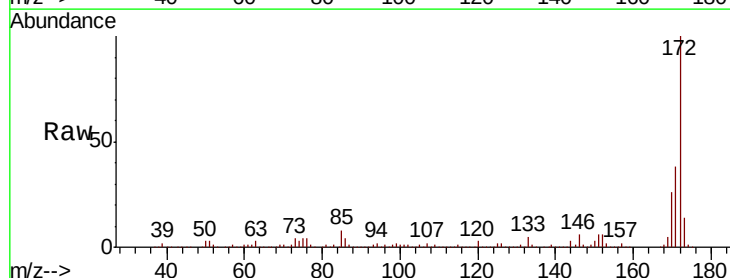
Tgt Ion:172 Resp: 2468559

Ion Ratio Lower Upper

172 100

171 37.9 29.8 44.6

170 25.5 20.3 30.5

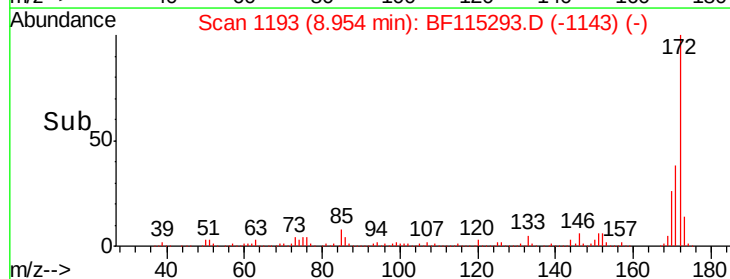
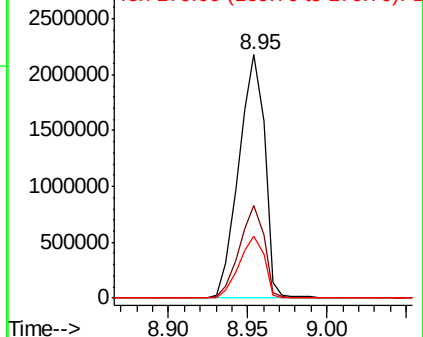


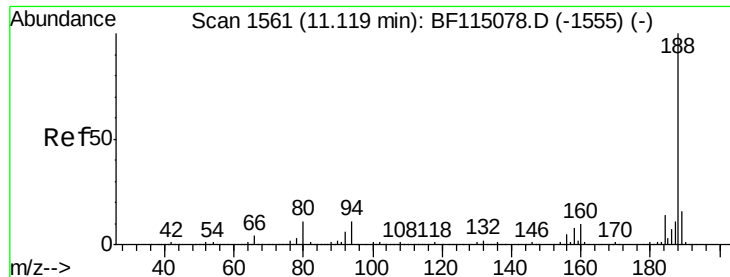
Abundance

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: 11.10 min Scan# 1557

Delta R.T. 0.00 min

Lab File: BF115293.D

Acq: 28 Jun 2019 20:37

Instrument :

BNA\_F

ClientSampled :

SAMPLE-18

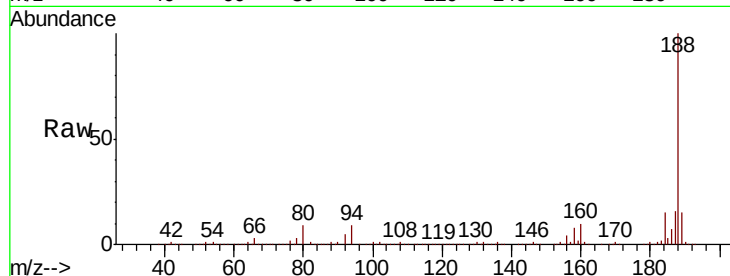
Tot Ion:188 Resp: 949064

Ion Ratio Lower Upper

188 100

94 8.7 8.6 12.8

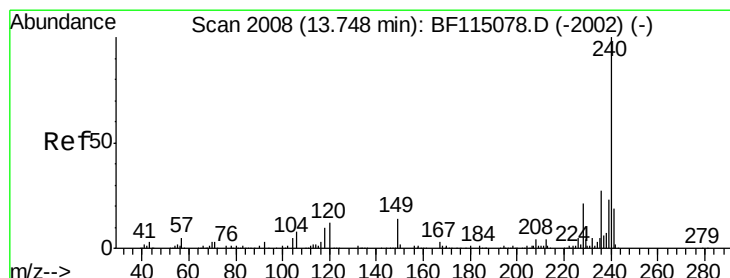
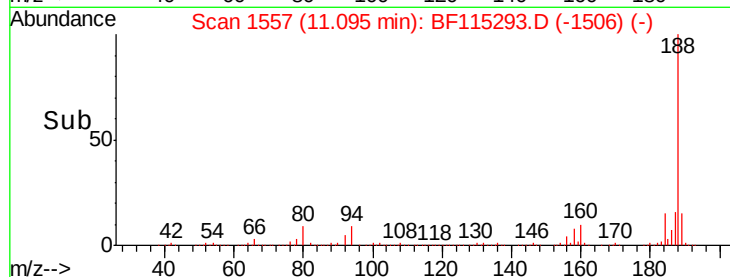
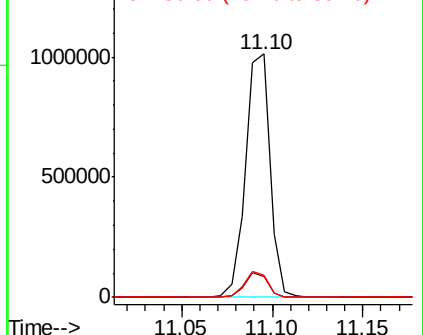
80 9.0 8.8 13.2



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: 13.71 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BF115293.D

Acq: 28 Jun 2019 20:37

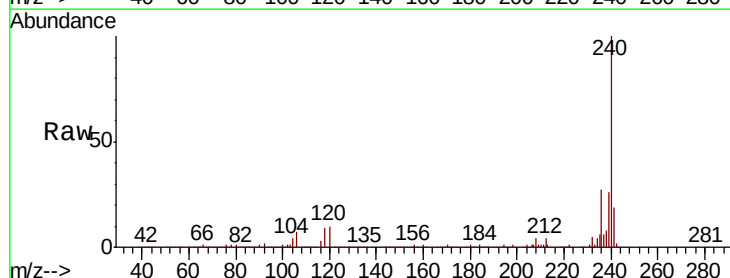
Tgt Ion:240 Resp: 790499

Ion Ratio Lower Upper

240 100

120 10.4 9.4 14.2

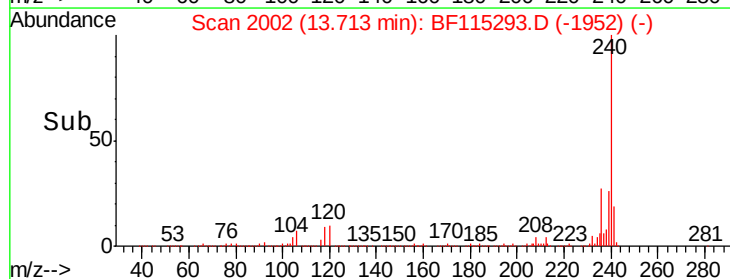
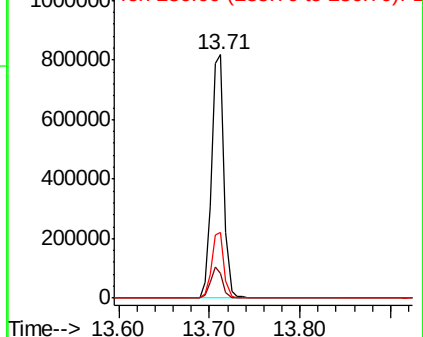
236 27.1 21.7 32.5

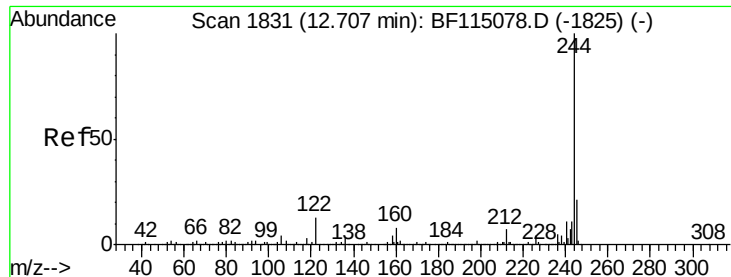


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 79.425 ng

RT: 12.68 min Scan# 1827

Delta R.T. 0.00 min

Lab File: BF115293.D

Acq: 28 Jun 2019 20:37

Instrument :

BNA\_F

ClientSampleId :

SAMPLE-18

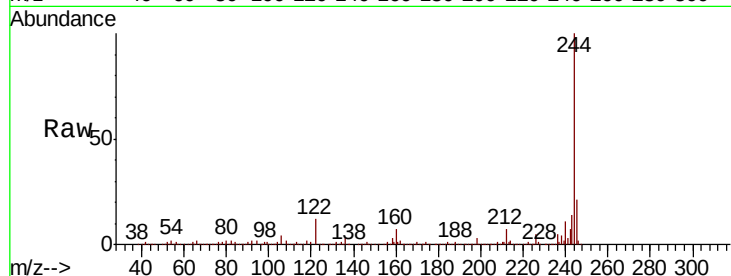
Tot Ion:244 Resp: 2953012

Ion Ratio Lower Upper

244 100

212 7.4 5.8 8.6

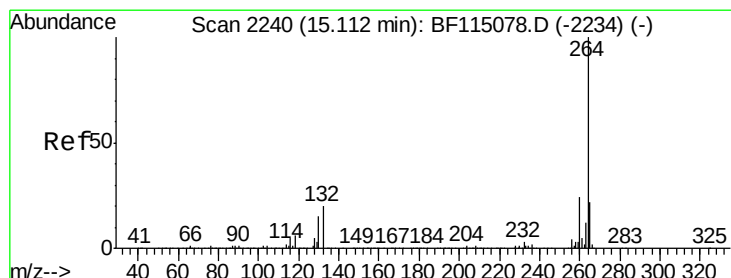
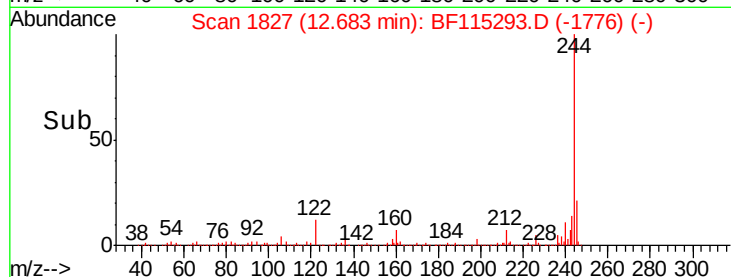
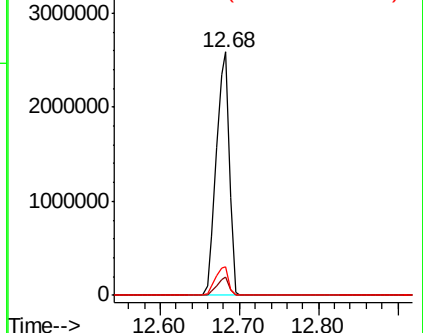
122 11.7 10.4 15.6



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: 15.07 min Scan# 2233

Delta R.T. -0.01 min

Lab File: BF115293.D

Acq: 28 Jun 2019 20:37

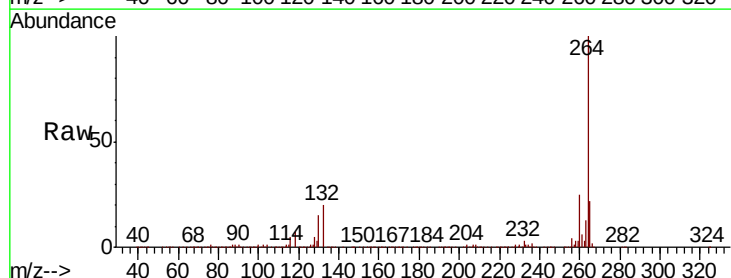
Tgt Ion:264 Resp: 788660

Ion Ratio Lower Upper

264 100

260 25.2 19.6 29.4

265 22.2 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

