

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022420\  
 Data File : BF119031.D  
 Acq On : 24 Feb 2020 20:02  
 Operator : CG/JU  
 Sample : L1650-04  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 EP-4

Quant Time: Feb 25 01:04:48 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022020.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Feb 20 17:40:17 2020  
 Response via : Initial Calibration

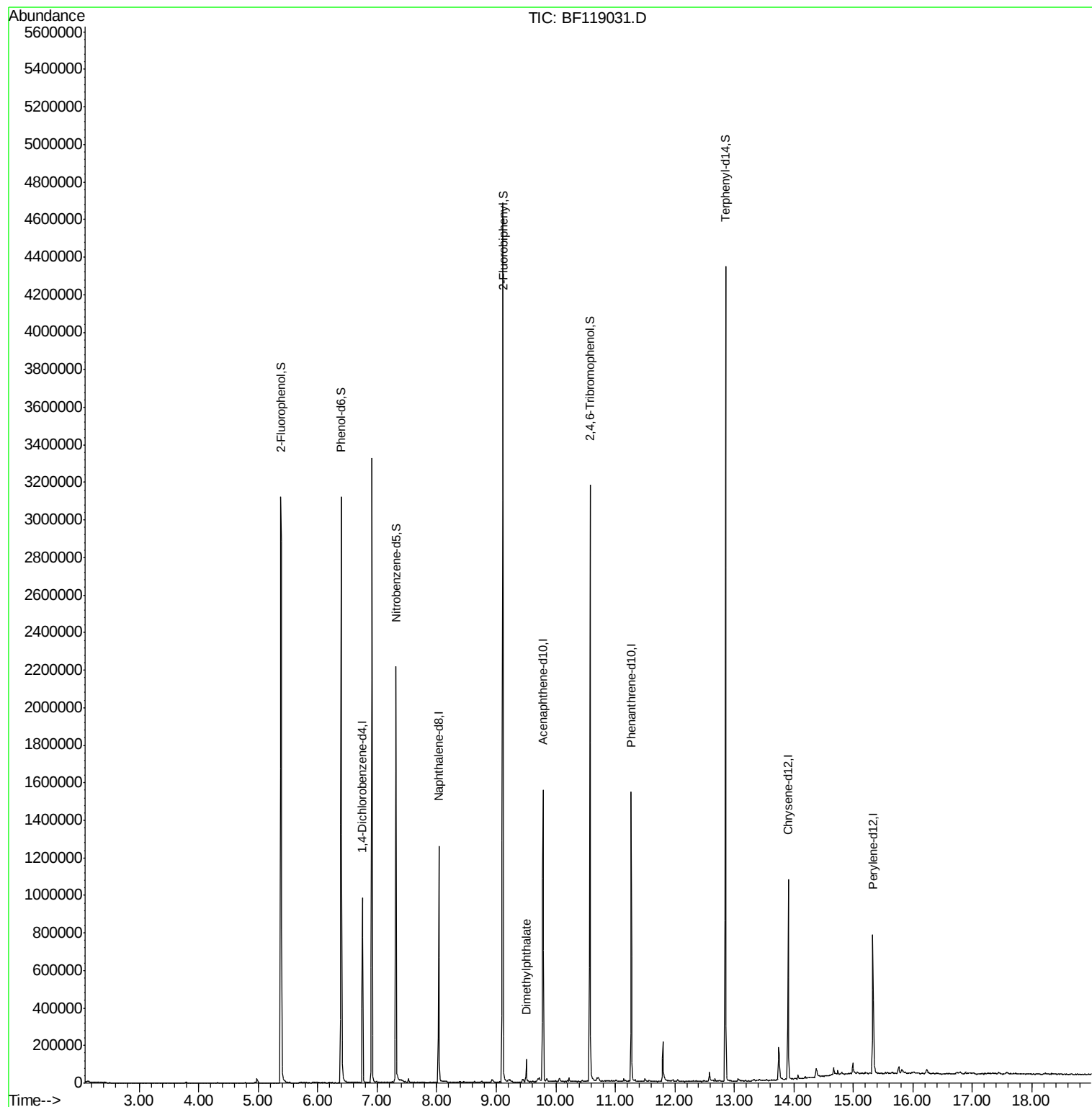
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)     |
|-----------------------------|-------|------|----------|--------|-------|--------------|
| 1) 1,4-Dichlorobenzene-d4   | 6.75  | 152  | 155169   | 20.00  | ng    | -0.01        |
| 21) Naphthalene-d8          | 8.03  | 136  | 587906   | 20.00  | ng    | -0.01        |
| 39) Acenaphthene-d10        | 9.79  | 164  | 313084   | 20.00  | ng    | 0.00         |
| 64) Phenanthrene-d10        | 11.27 | 188  | 545789   | 20.00  | ng    | 0.00         |
| 76) Chrysene-d12            | 13.90 | 240  | 361477   | 20.00  | ng    | 0.00         |
| 87) Perylene-d12            | 15.33 | 264  | 359774   | 20.00  | ng    | 0.00         |
| System Monitoring Compounds |       |      |          |        |       |              |
| 5) 2-Fluorophenol           | 5.38  | 112  | 1002868  | 108.01 | ng    | 0.00         |
| 7) Phenol-d6                | 6.40  | 99   | 1187593  | 105.17 | ng    | 0.00         |
| 23) Nitrobenzene-d5         | 7.32  | 82   | 790129   | 70.96  | ng    | -0.01        |
| 42) 2,4,6-Tribromophenol    | 10.57 | 330  | 410877   | 100.32 | ng    | 0.00         |
| 45) 2-Fluorobiphenyl        | 9.11  | 172  | 1520278  | 71.53  | ng    | -0.01        |
| 79) Terphenyl-d14           | 12.85 | 244  | 1535000  | 73.11  | ng    | 0.00         |
| Target Compounds            |       |      |          |        |       |              |
| 50) Dimethylphthalate       | 9.50  | 163  | 48065    | 2.008  | ng    | Qvalue<br>97 |

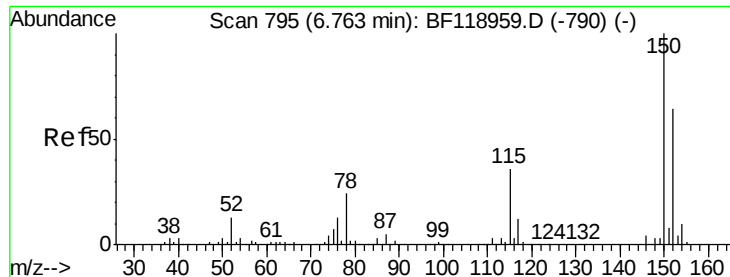
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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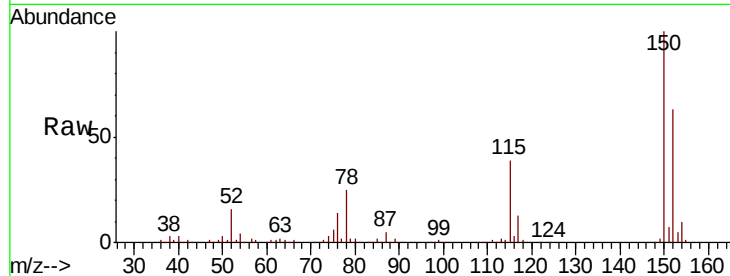


#1

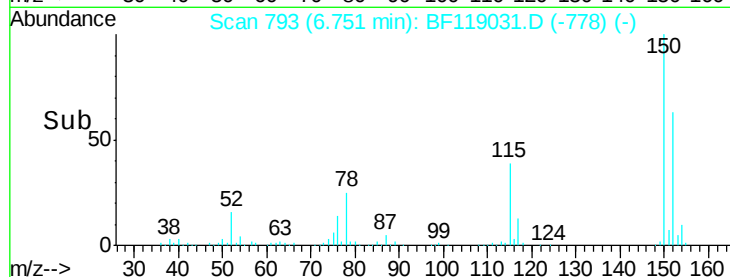
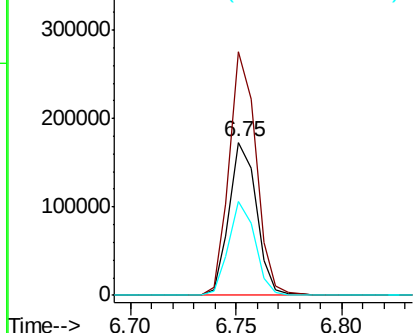
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.75 min Scan# 793  
Delta R.T. -0.01 min  
Lab File: BF119031.D  
Acq: 24 Feb 2020 20:02

Instrument :  
BNA\_F  
ClientSampleId :  
EP-4

Tot Ion:152 Resp: 155169  
Ion Ratio Lower Upper  
152 100  
150 159.2 124.3 186.5  
115 61.8 44.6 67.0



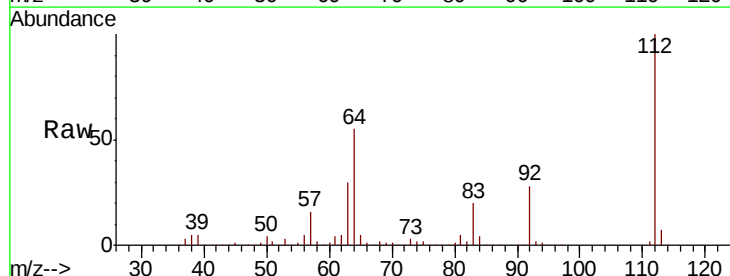
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



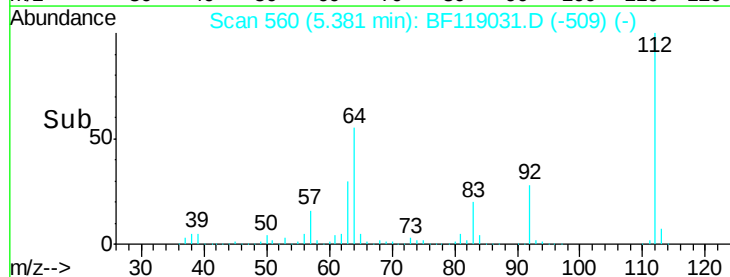
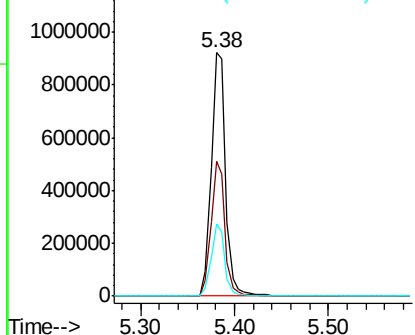
#5

2-Fluorophenol  
Concen: 108.009 ng  
RT: 5.38 min Scan# 560  
Delta R.T. -0.00 min  
Lab File: BF119031.D  
Acq: 24 Feb 2020 20:02

Tgt Ion:112 Resp: 1002868  
Ion Ratio Lower Upper  
112 100  
64 55.2 40.4 60.6  
63 29.8 21.3 31.9



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: 105.169 ng

RT: 6.40 min Scan# 733

Delta R.T. -0.01 min

Lab File: BF119031.D

Acq: 24 Feb 2020 20:02

Instrument :

BNA\_F

ClientSampleId :

EP-4

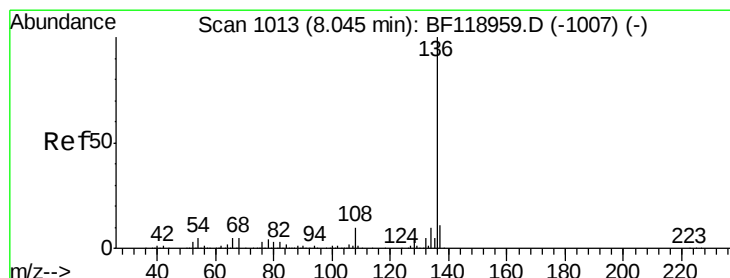
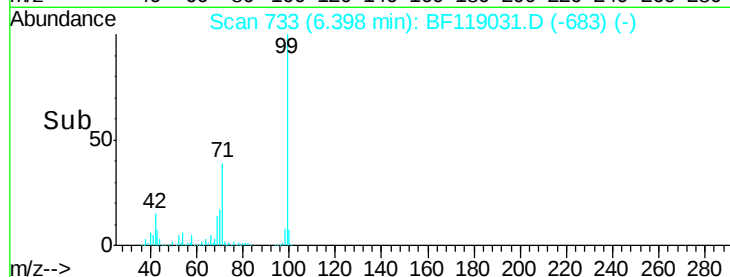
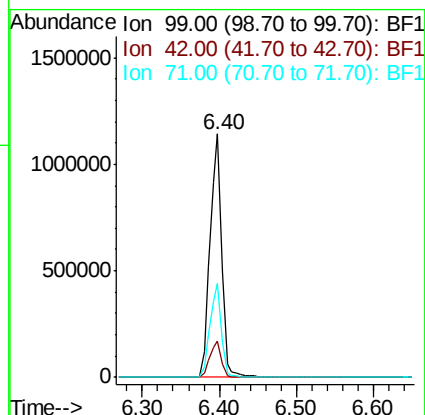
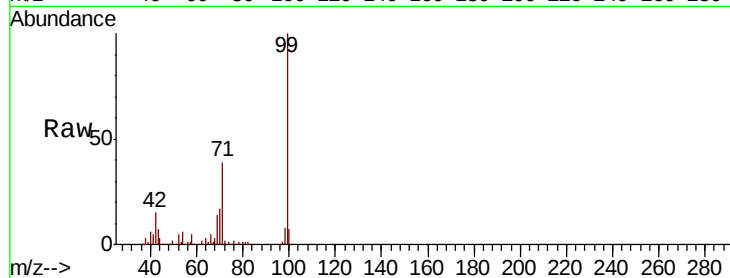
Tot Ion: 99 Resp: 1187593

Ion Ratio Lower Upper

99 100

42 15.1 11.4 17.0

71 38.6 29.8 44.6



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.03 min Scan# 1011

Delta R.T. -0.01 min

Lab File: BF119031.D

Acq: 24 Feb 2020 20:02

Tgt Ion: 136 Resp: 587906

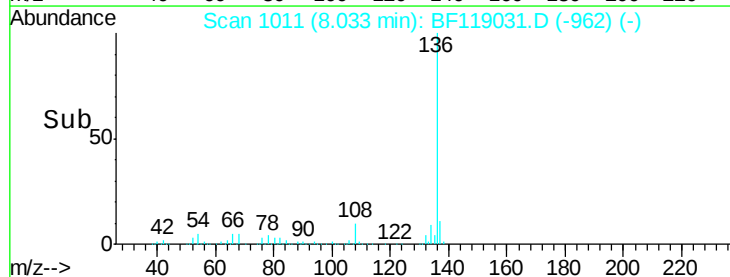
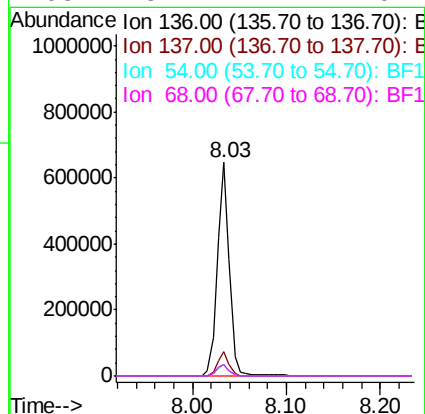
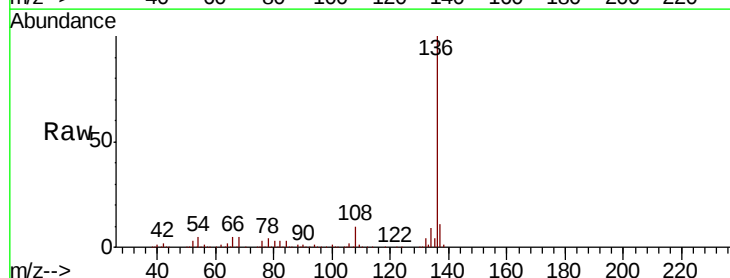
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 5.3 3.8 5.6

68 5.2 4.2 6.2

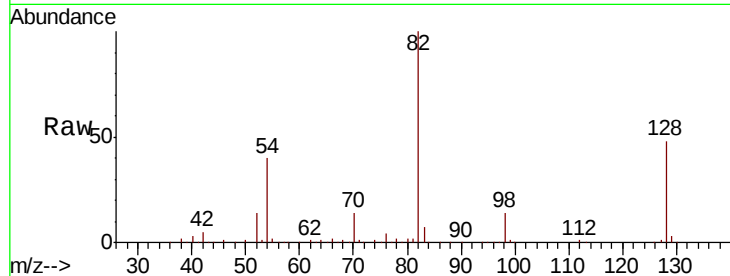




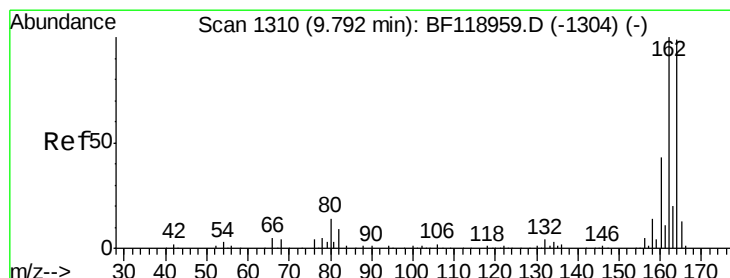
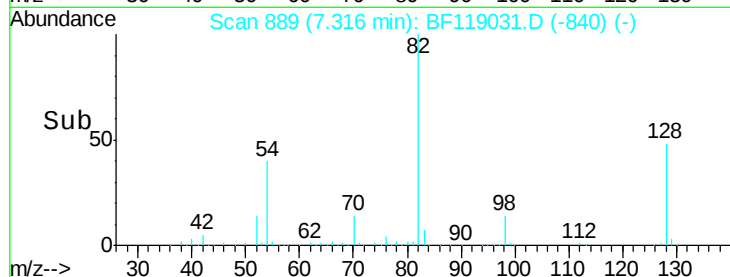
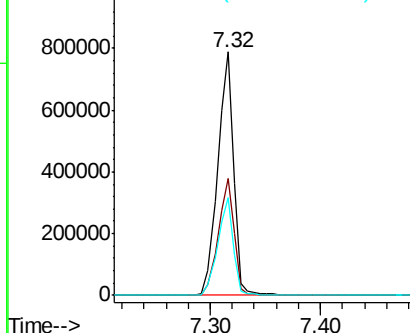
#23  
Nitrobenzene-d5  
Concen: 70.962 ng  
RT: 7.32 min Scan# 889  
Delta R.T. -0.01 min  
Lab File: BF119031.D  
Acq: 24 Feb 2020 20:02

Instrument :  
BNA\_F  
ClientSampled :  
EP-4

| Tot Ion   | 82   | Resp | 790129 |
|-----------|------|------|--------|
| Ion Ratio | 100  |      |        |
| Lower     | 38.2 |      |        |
| Upper     | 57.2 |      |        |
| 128       | 47.9 |      |        |
| 54        | 40.1 |      |        |

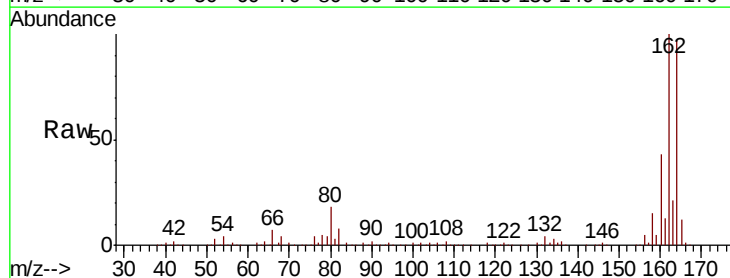


Abundance Ion 82.00 (81.70 to 82.70): BF1  
Ion 128.00 (127.70 to 128.70): E  
Ion 54.00 (53.70 to 54.70): BF1

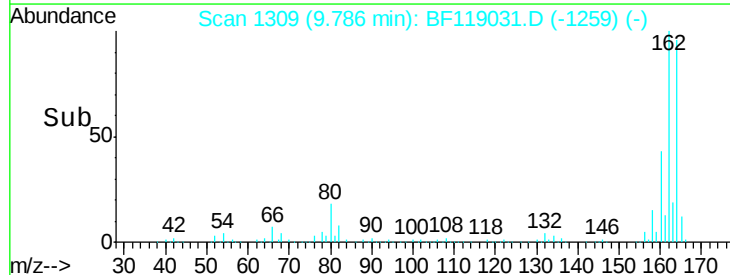
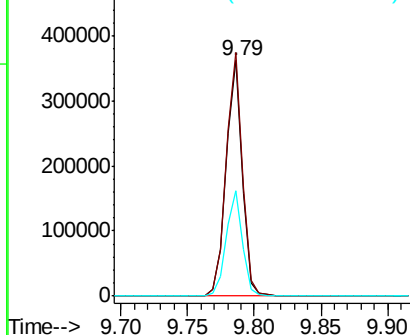


#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.79 min Scan# 1309  
Delta R.T. -0.01 min  
Lab File: BF119031.D  
Acq: 24 Feb 2020 20:02

| Tgt Ion   | 164   | Resp | 313084 |
|-----------|-------|------|--------|
| Ion Ratio | 100   |      |        |
| Lower     | 81.2  |      |        |
| Upper     | 121.8 |      |        |
| 162       | 103.3 |      |        |
| 160       | 44.7  |      |        |



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

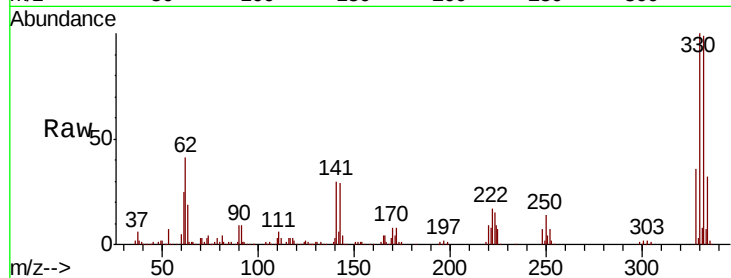




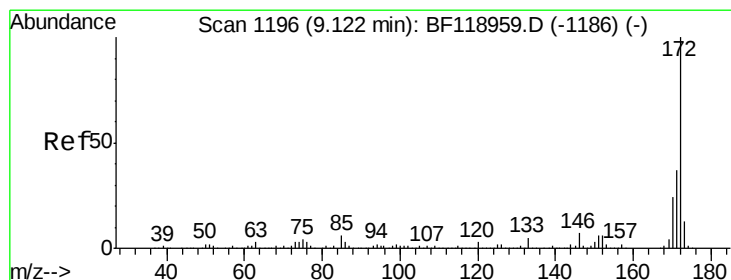
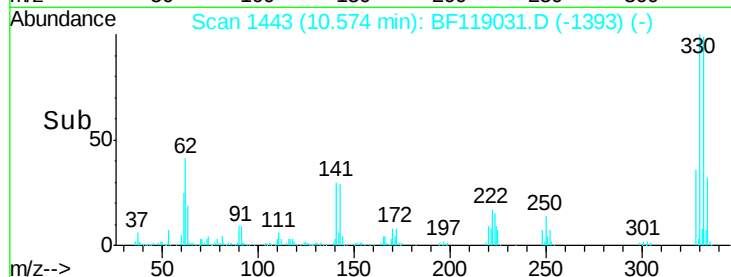
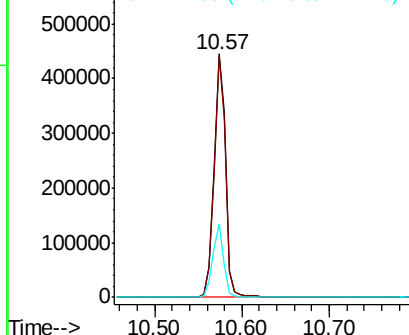
#42  
 2,4,6-Tribromophenol  
 Concen: 100.320 ng  
 RT: 10.57 min Scan# 1443  
 Delta R.T. -0.01 min  
 Lab File: BF119031.D  
 Acq: 24 Feb 2020 20:02

Instrument :  
 BNA\_F  
 ClientSampleId :  
 EP-4

Tot Ion:330 Resp: 410877  
 Ion Ratio Lower Upper  
 330 100  
 332 97.2 77.1 115.7  
 141 28.6 23.0 34.6

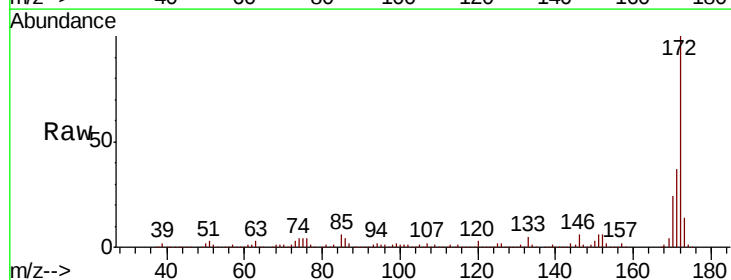


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

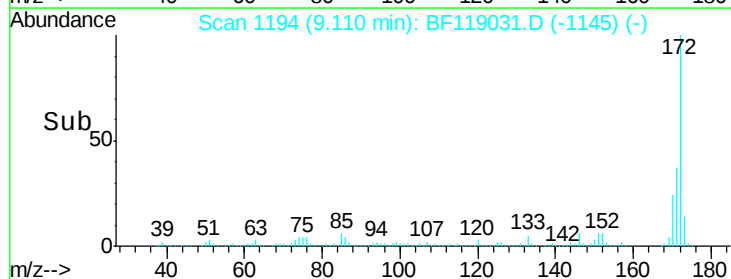
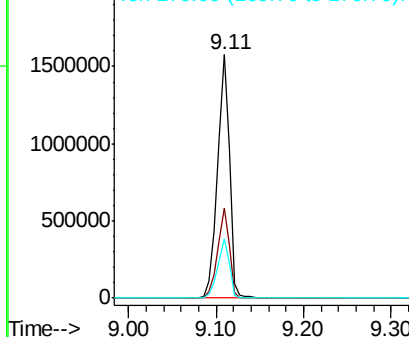


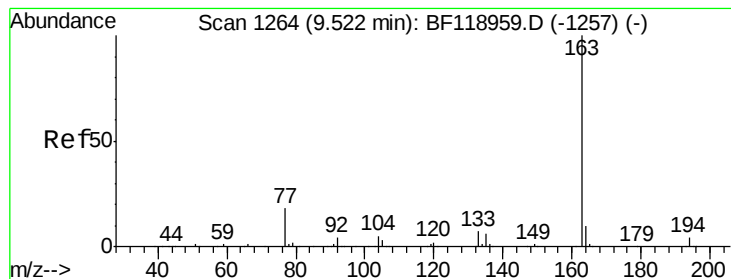
#45  
 2-Fluorobiphenyl  
 Concen: 71.535 ng  
 RT: 9.11 min Scan# 1194  
 Delta R.T. -0.01 min  
 Lab File: BF119031.D  
 Acq: 24 Feb 2020 20:02

Tgt Ion:172 Resp: 1520278  
 Ion Ratio Lower Upper  
 172 100  
 171 36.9 29.4 44.2  
 170 24.2 19.6 29.4



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





#50

Dimethylphthalate

Concen: 2.008 ng

RT: 9.50 min Scan# 1261

Delta R.T. -0.02 min

Lab File: BF119031.D

Acq: 24 Feb 2020 20:02

Instrument :

BNA\_F

ClientSampleId :

EP-4

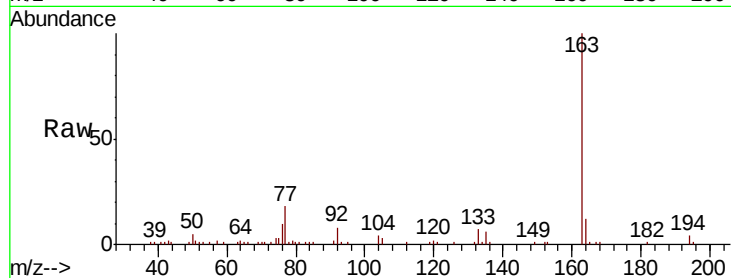
Tot Ion:163 Resp: 48065

Ion Ratio Lower Upper

163 100

194 4.2 3.4 5.2

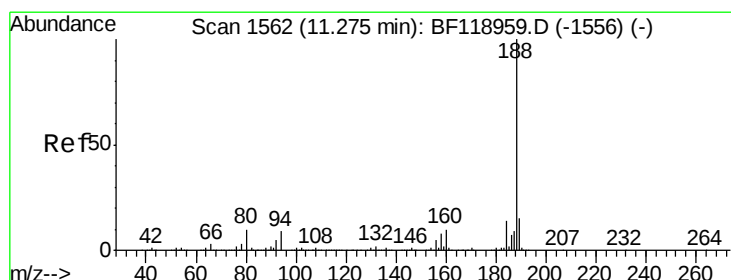
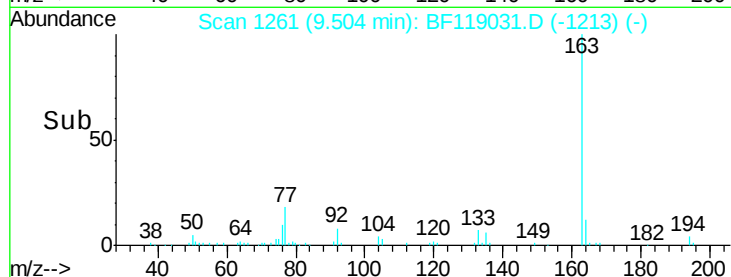
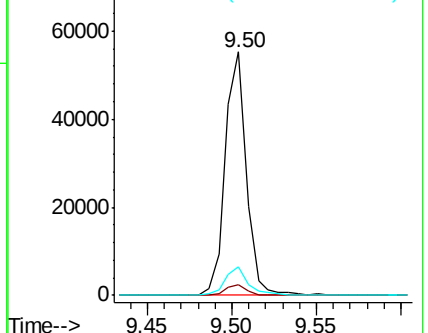
164 11.6 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.27 min Scan# 1561

Delta R.T. -0.01 min

Lab File: BF119031.D

Acq: 24 Feb 2020 20:02

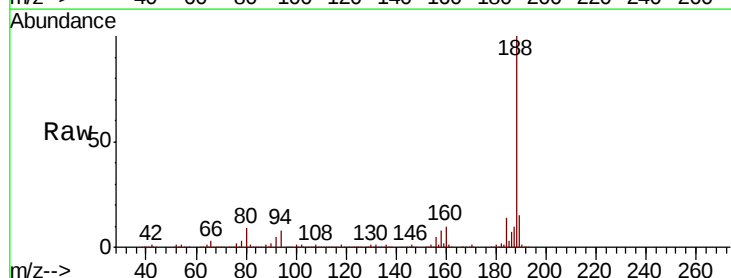
Tgt Ion:188 Resp: 545789

Ion Ratio Lower Upper

188 100

94 8.2 7.0 10.6

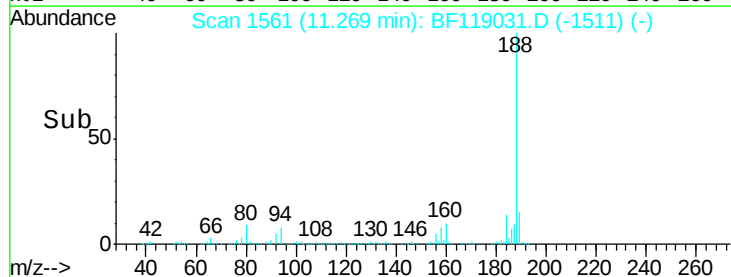
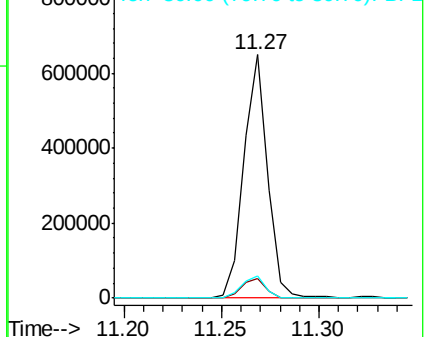
80 9.3 7.9 11.9

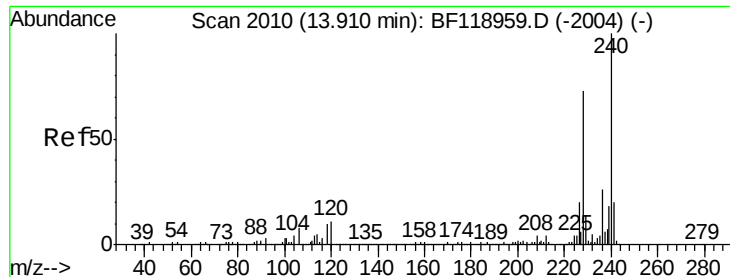


Abundance Ion 188.00 (187.70 to 188.70): E

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: 13.90 min Scan# 2009

Delta R.T. -0.01 min

Lab File: BF119031.D

Acq: 24 Feb 2020 20:02

Instrument :

BNA\_F

ClientSampled :

EP-4

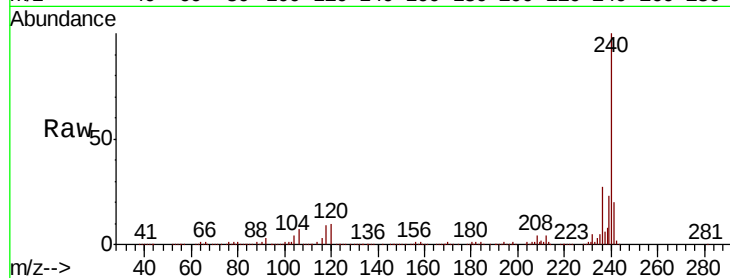
Tot Ion:240 Resp: 361477

Ion Ratio Lower Upper

240 100

120 9.9 8.9 13.3

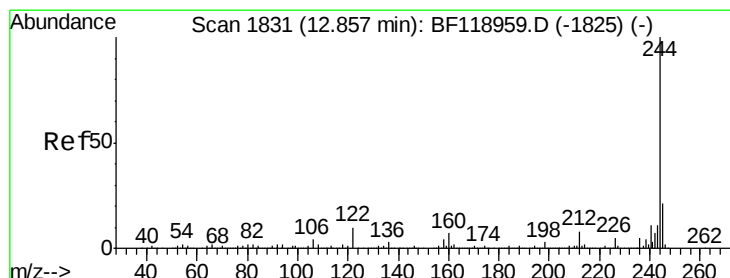
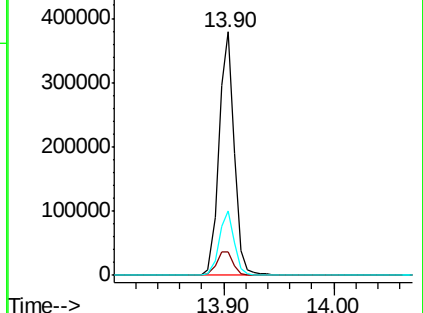
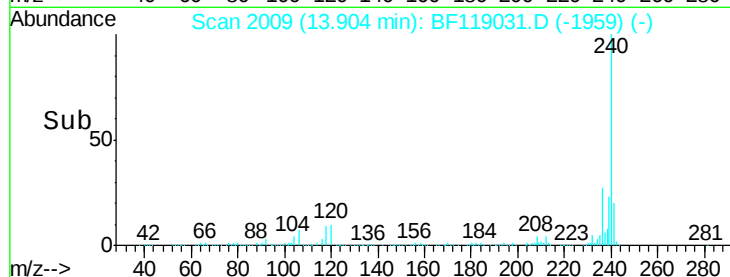
236 26.6 20.6 30.8



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: 73.110 ng

RT: 12.85 min Scan# 1830

Delta R.T. -0.01 min

Lab File: BF119031.D

Acq: 24 Feb 2020 20:02

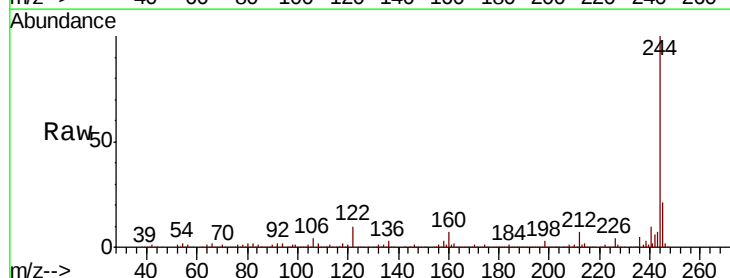
Tgt Ion:244 Resp: 1535000

Ion Ratio Lower Upper

244 100

212 7.3 6.3 9.5

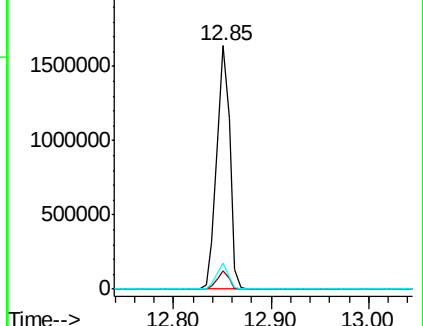
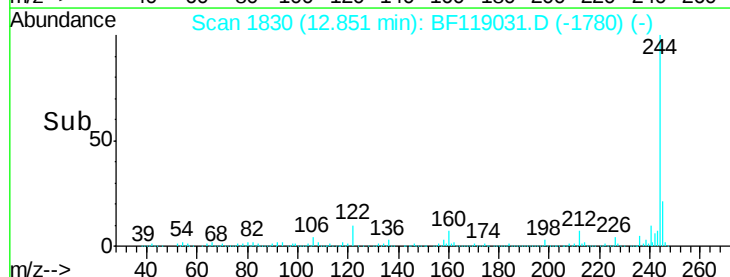
122 10.5 8.4 12.6

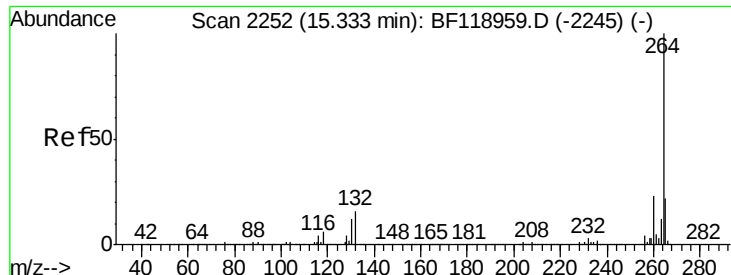


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

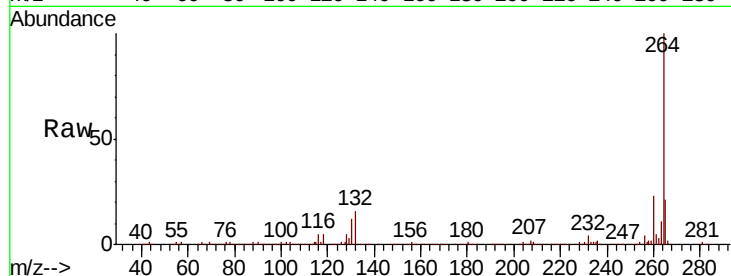




#87  
 Pervlene-d12  
 Concen: 20.000 ng  
 RT: 15.33 min Scan# 2251  
 Delta R.T. -0.01 min  
 Lab File: BF119031.D  
 Acq: 24 Feb 2020 20:02

Instrument :  
 BNA\_F  
 ClientSampleId :  
 EP-4

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.2  | 18.6  | 28.0  |
| 265     | 21.4  | 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

