

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112119\  
 Data File : BF117911.D  
 Acq On : 21 Nov 2019 14:46  
 Operator : JU  
 Sample : K5955-05  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 FOUNDATION-1

Quant Time: Nov 21 15:46:43 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Nov 13 18:36:07 2019  
 Response via : Initial Calibration

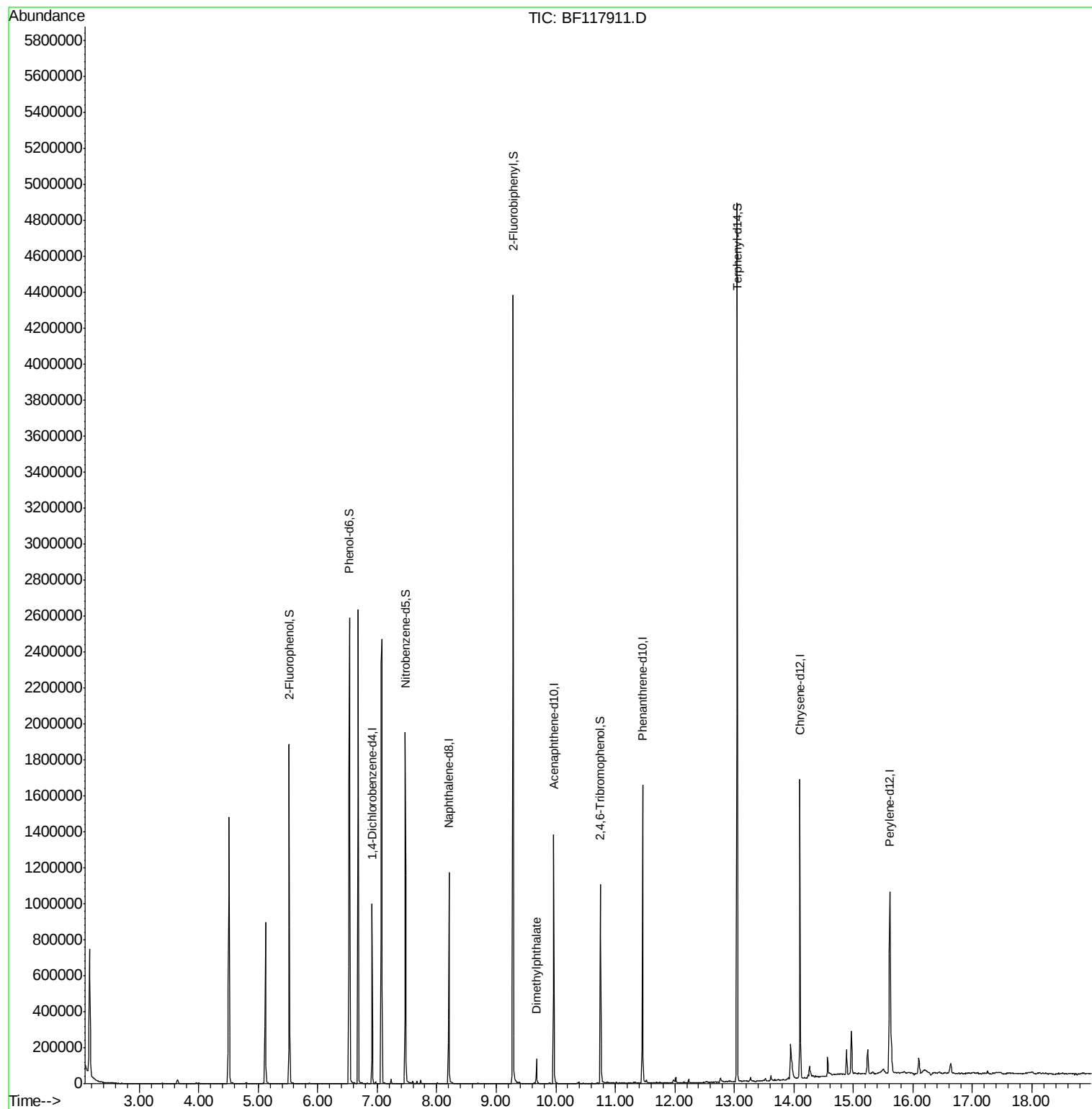
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min)  |
|-----------------------------|-------|------|----------|-------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.92  | 152  | 127518   | 20.00 | ng    | -0.01     |
| 21) Naphthalene-d8          | 8.20  | 136  | 518828   | 20.00 | ng    | -0.01     |
| 39) Acenaphthene-d10        | 9.96  | 164  | 283057   | 20.00 | ng    | -0.01     |
| 64) Phenanthrene-d10        | 11.46 | 188  | 568537   | 20.00 | ng    | -0.01     |
| 76) Chrysene-d12            | 14.10 | 240  | 506595   | 20.00 | ng    | -0.01     |
| 87) Perylene-d12            | 15.62 | 264  | 510822   | 20.00 | ng    | 0.00      |
| System Monitoring Compounds |       |      |          |       |       |           |
| 5) 2-Fluorophenol           | 5.52  | 112  | 515067   | 71.50 | ng    | -0.01     |
| 7) Phenol-d6                | 6.53  | 99   | 831013   | 95.64 | ng    | -0.01     |
| 23) Nitrobenzene-d5         | 7.47  | 82   | 585476   | 67.08 | ng    | -0.02     |
| 42) 2,4,6-Tribromophenol    | 10.75 | 330  | 129023   | 43.06 | ng    | -0.02     |
| 45) 2-Fluorobiphenyl        | 9.28  | 172  | 1233177  | 78.16 | ng    | -0.01     |
| 79) Terphenyl-d14           | 13.05 | 244  | 1670779  | 60.28 | ng    | 0.00      |
| Target Compounds            |       |      |          |       |       |           |
| 50) Dimethylphthalate       | 9.67  | 163  | 64951    | 3.272 | ng    | Qvalue 98 |

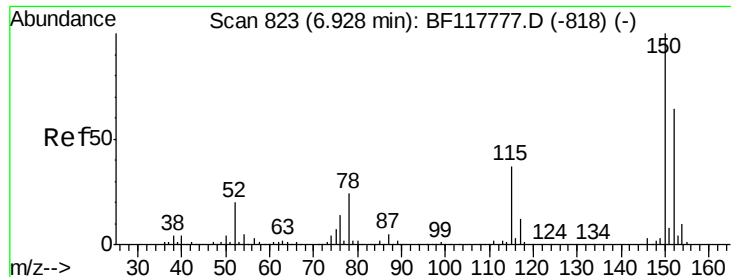
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Nov 13 18:36:07 2019  
Response via : Initial Calibration



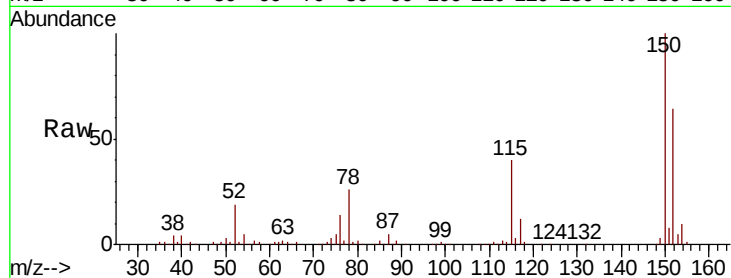


#1

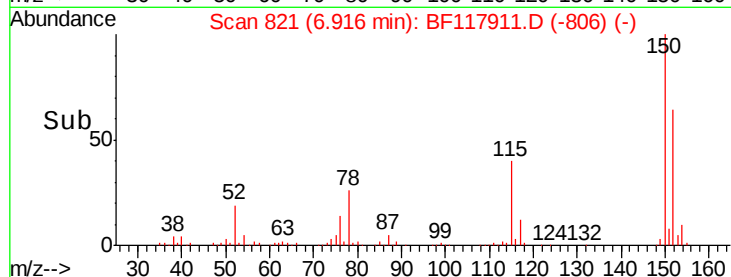
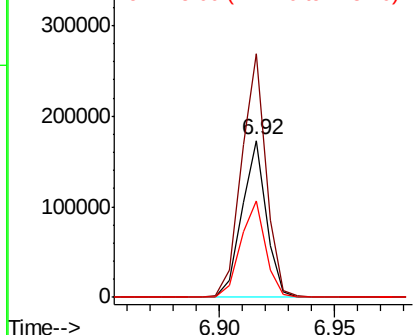
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.92 min Scan# 821  
Delta R.T. -0.01 min  
Lab File: BF117911.D  
Acq: 21 Nov 2019 14:46

Instrument :  
BNA\_F  
ClientSampleId :  
FOUNDATION-1

Tot Ion:152 Resp: 127518  
Ion Ratio Lower Upper  
152 100  
150 155.4 125.3 187.9  
115 61.7 47.0 70.4



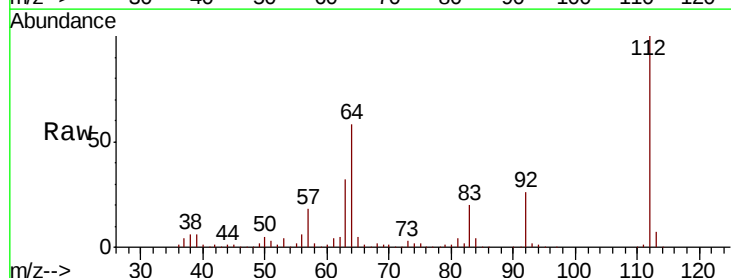
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



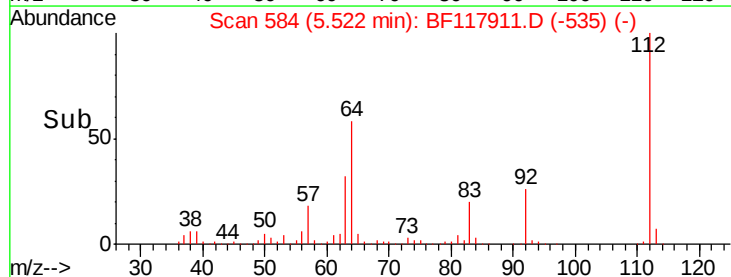
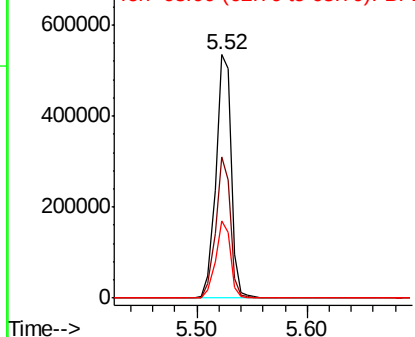
#5

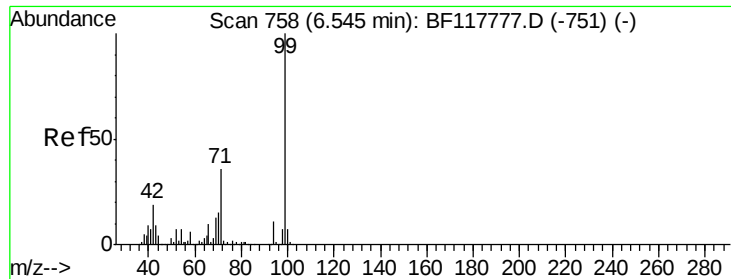
2-Fluorophenol  
Concen: 71.498 ng  
RT: 5.52 min Scan# 584  
Delta R.T. -0.01 min  
Lab File: BF117911.D  
Acq: 21 Nov 2019 14:46

Tgt Ion:112 Resp: 515067  
Ion Ratio Lower Upper  
112 100  
64 58.0 45.6 68.4  
63 31.7 24.1 36.1



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: 95.638 ng

RT: 6.53 min Scan# 756

Delta R.T. -0.01 min

Lab File: BF117911.D

Acq: 21 Nov 2019 14:46

Instrument :

BNA\_F

ClientSampleId :

FOUNDATION-1

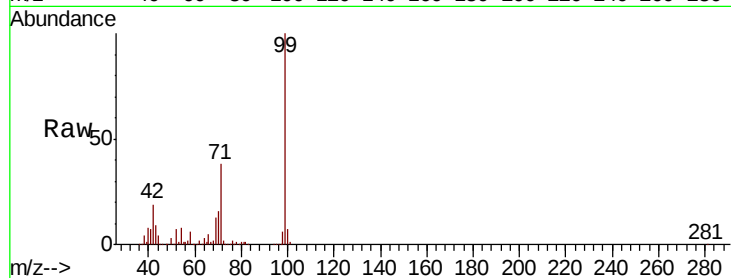
Tot Ion: 99 Resp: 831013

Ion Ratio Lower Upper

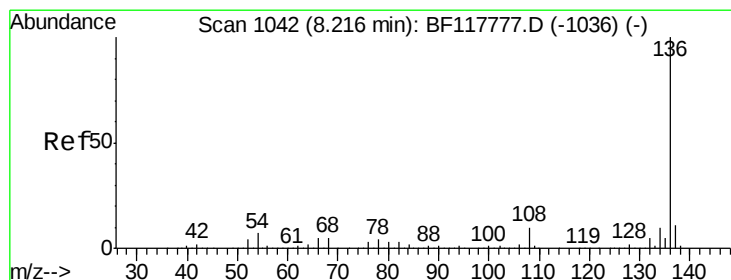
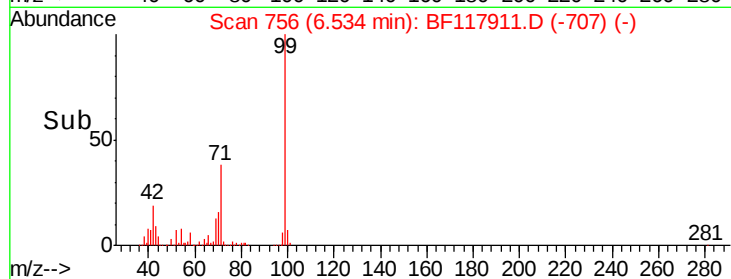
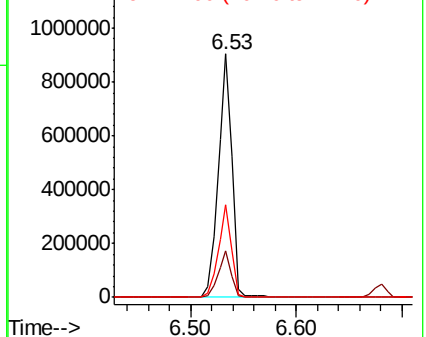
99 100

42 19.1 14.9 22.3

71 37.8 28.6 43.0



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: 8.20 min Scan# 1040

Delta R.T. -0.01 min

Lab File: BF117911.D

Acq: 21 Nov 2019 14:46

Tgt Ion: 136 Resp: 518828

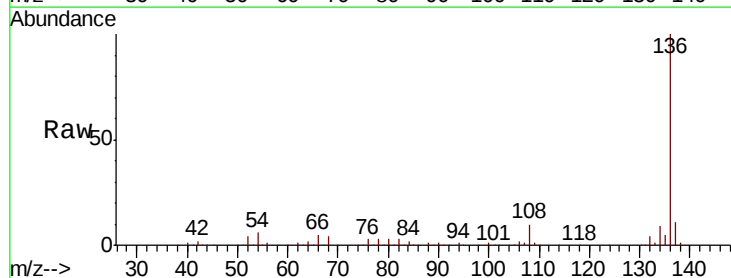
Ion Ratio Lower Upper

136 100

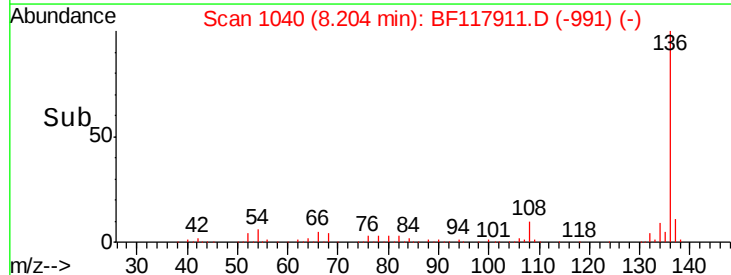
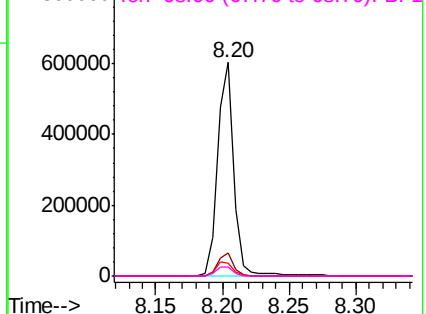
137 10.6 9.0 13.4

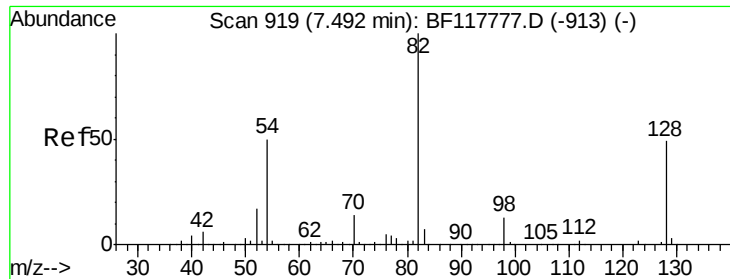
54 6.1 5.4 8.2

68 4.3 4.3 6.5#



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

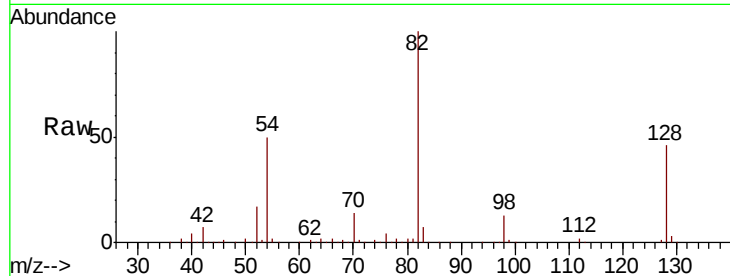




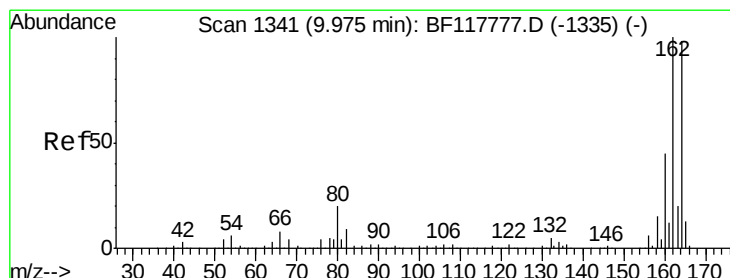
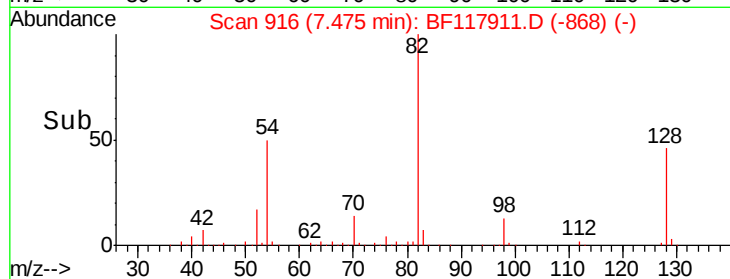
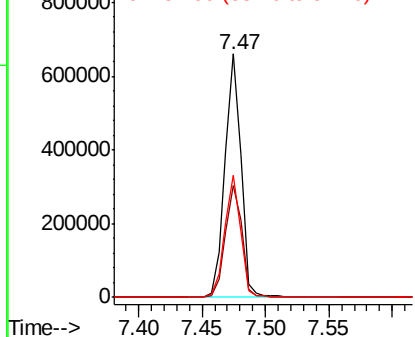
#23  
 Nitrobenzene-d5  
 Concen: 67.082 ng  
 RT: 7.47 min Scan# 916  
 Delta R.T. -0.02 min  
 Lab File: BF117911.D  
 Acq: 21 Nov 2019 14:46

Instrument :  
 BNA\_F  
 ClientSampleId :  
 FOUNDATION-1

Tot Ion: 82 Resp: 585476  
 Ion Ratio Lower Upper  
 82 100  
 128 46.1 38.9 58.3  
 54 50.1 39.8 59.6

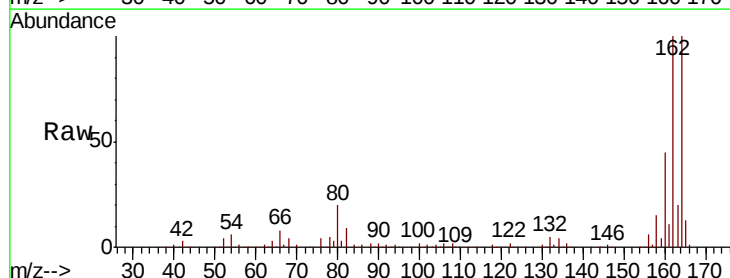


Abundance Ion 82.00 (81.70 to 82.70): BF1  
 Ion 128.00 (127.70 to 128.70): E  
 Ion 54.00 (53.70 to 54.70): BF1

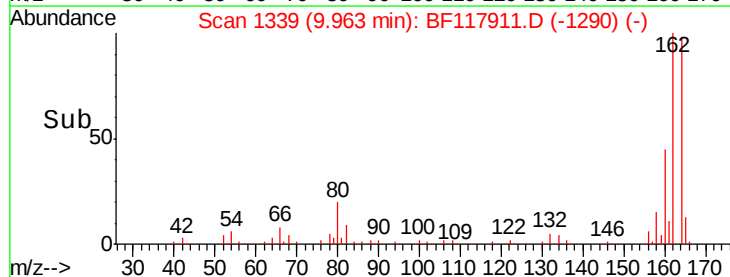
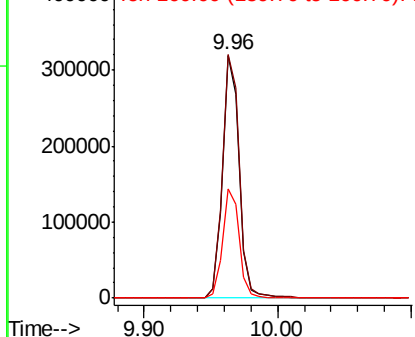


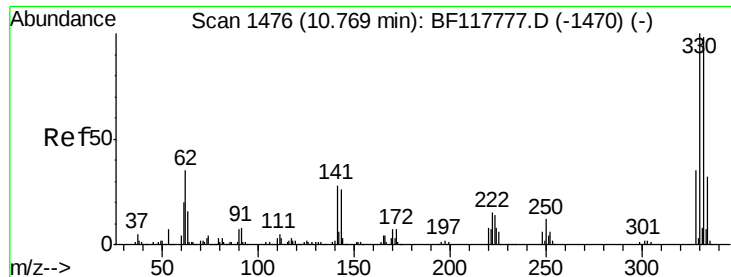
#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.96 min Scan# 1339  
 Delta R.T. -0.01 min  
 Lab File: BF117911.D  
 Acq: 21 Nov 2019 14:46

Tgt Ion:164 Resp: 283057  
 Ion Ratio Lower Upper  
 164 100  
 162 100.3 81.3 121.9  
 160 45.1 36.6 55.0



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: 43.055 ng

RT: 10.75 min Scan# 1473

Delta R.T. -0.02 min

Lab File: BF117911.D

Acq: 21 Nov 2019 14:46

Instrument :

BNA\_F

ClientSampleId :

FOUNDATION-1

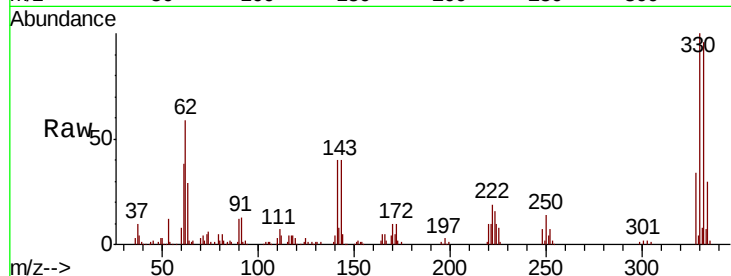
Tot Ion:330 Resp: 129023

Ion Ratio Lower Upper

330 100

332 95.4 76.7 115.1

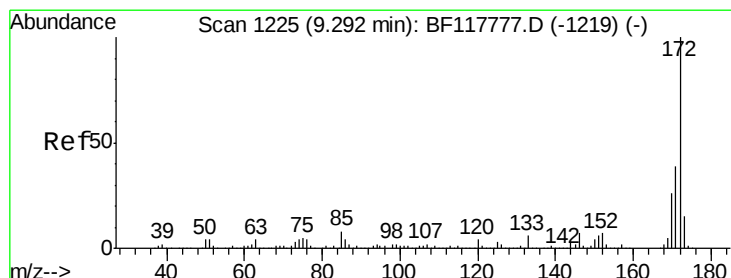
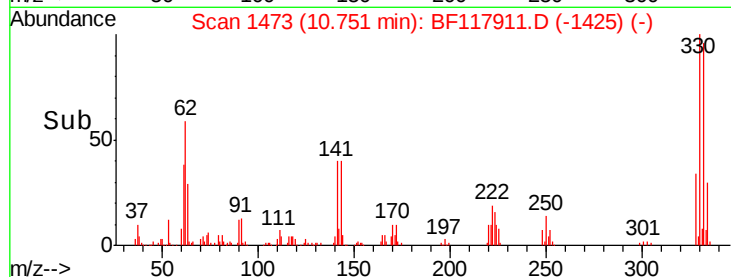
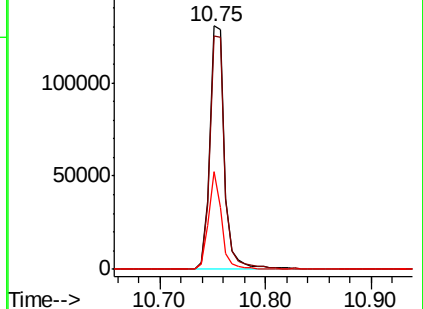
141 34.7 27.7 41.5



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: 78.160 ng

RT: 9.28 min Scan# 1223

Delta R.T. -0.01 min

Lab File: BF117911.D

Acq: 21 Nov 2019 14:46

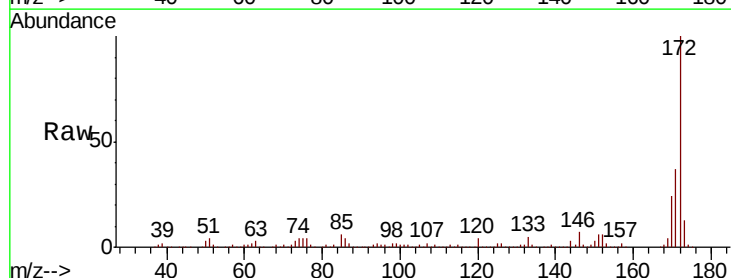
Tgt Ion:172 Resp: 1233177

Ion Ratio Lower Upper

172 100

171 36.5 30.9 46.3

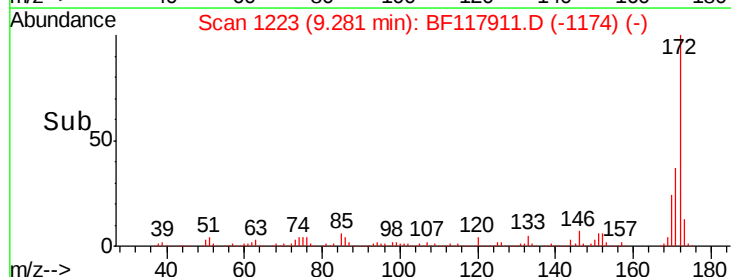
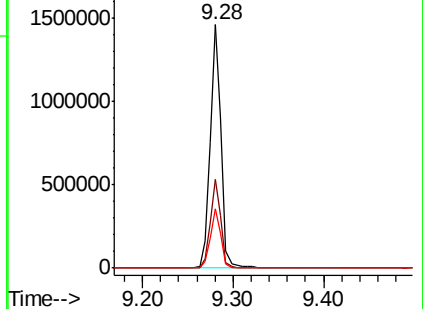
170 24.3 21.0 31.4

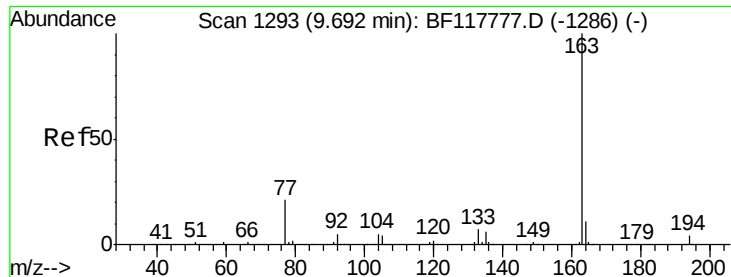


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 3.272 ng

RT: 9.67 min Scan# 1290

Delta R.T. -0.02 min

Lab File: BF117911.D

Acq: 21 Nov 2019 14:46

Instrument :

BNA\_F

ClientSampleId :

FOUNDATION-1

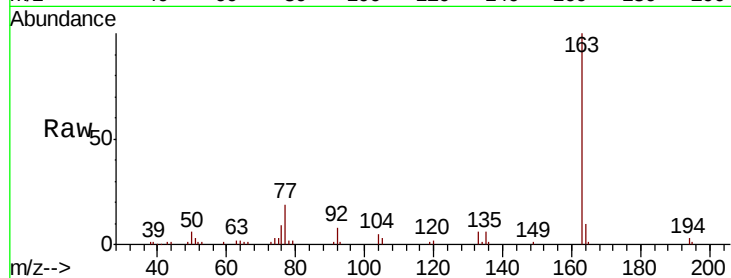
Tot Ion:163 Resp: 64951

Ion Ratio Lower Upper

163 100

194 3.5 3.3 4.9

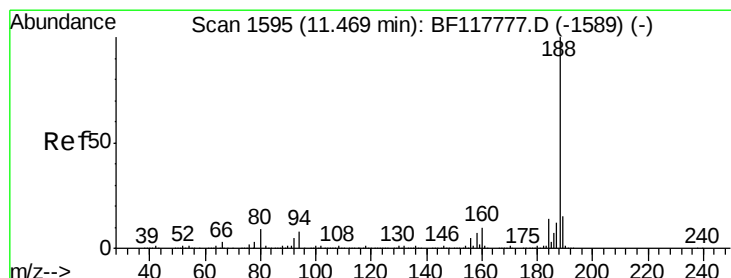
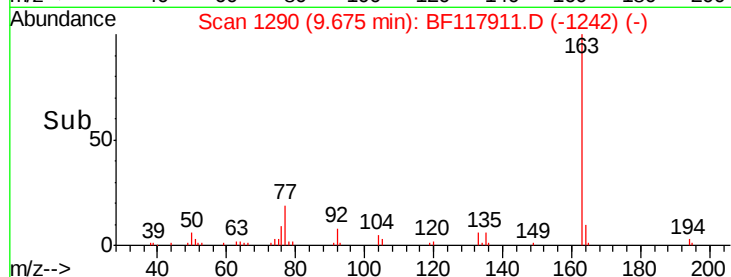
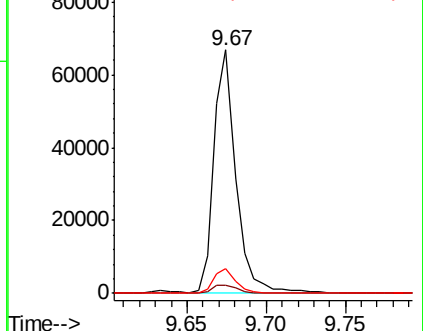
164 10.1 8.7 13.1



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: 11.46 min Scan# 1593

Delta R.T. -0.01 min

Lab File: BF117911.D

Acq: 21 Nov 2019 14:46

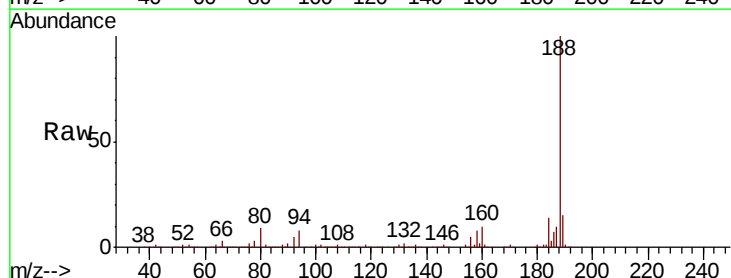
Tgt Ion:188 Resp: 568537

Ion Ratio Lower Upper

188 100

94 8.4 6.6 10.0

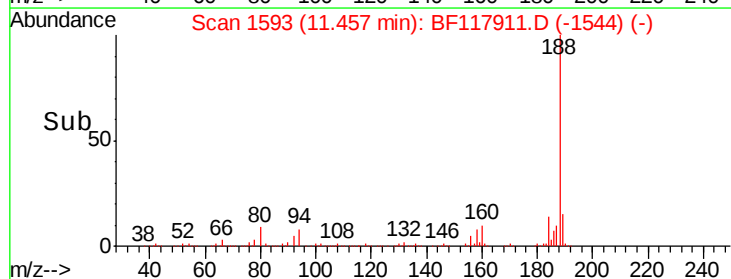
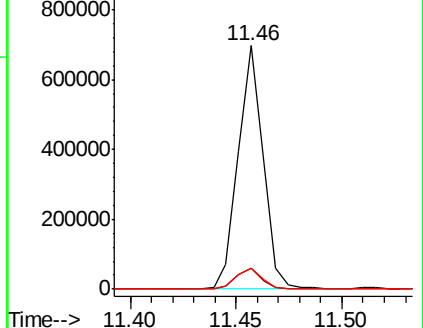
80 8.8 7.2 10.8

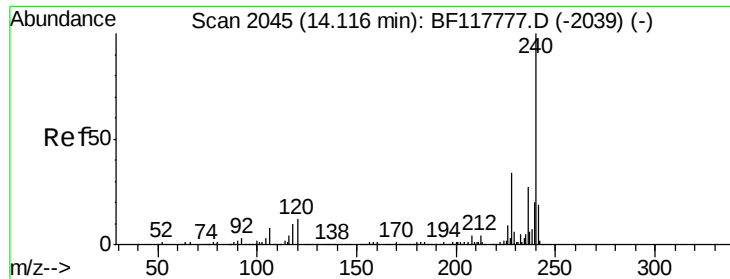


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

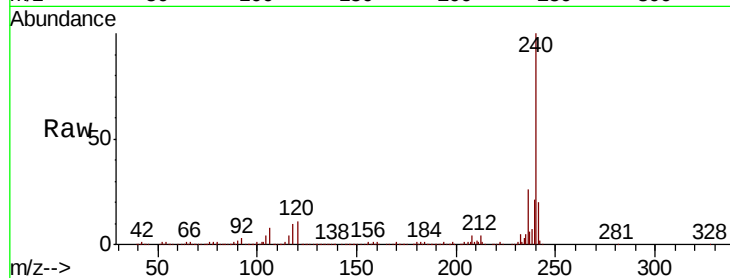




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.10 min Scan# 2043  
Delta R.T. -0.01 min  
Lab File: BF117911.D  
Acq: 21 Nov 2019 14:46

Instrument :  
BNA\_F  
ClientSampleId :  
FOUNDATION-1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 11.0  | 9.5   | 14.3  |
| 236     | 26.4  | 21.3  | 31.9  |

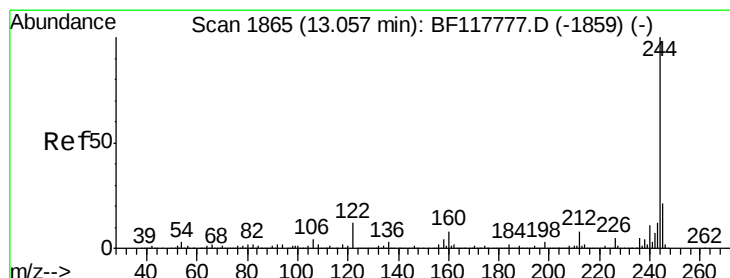
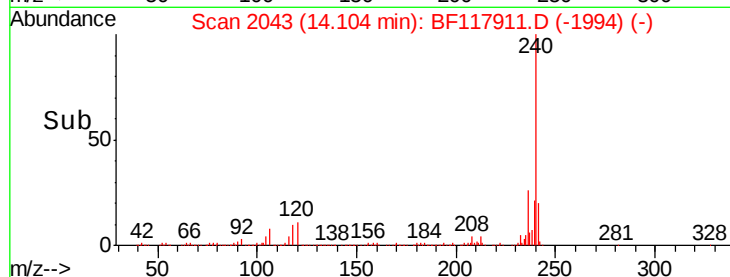
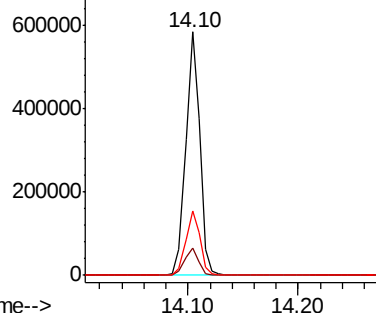


Abundance

Ion 240.00 (239.70 to 240.70): E

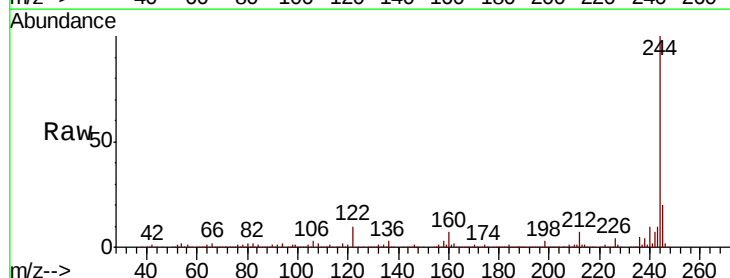
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#79  
Terphenyl-d14  
Concen: 60.276 ng  
RT: 13.05 min Scan# 1864  
Delta R.T. -0.01 min  
Lab File: BF117911.D  
Acq: 21 Nov 2019 14:46

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 7.0   | 6.3   | 9.5   |
| 122     | 9.6   | 9.4   | 14.2  |

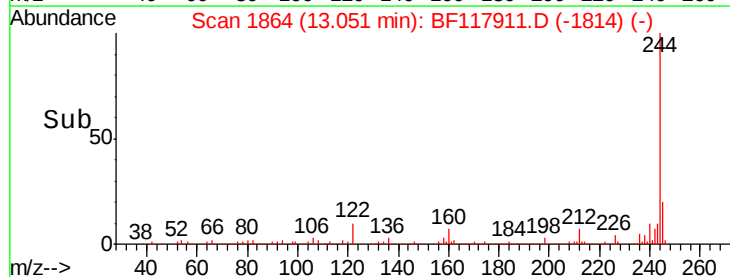
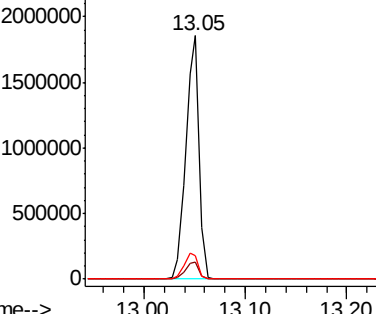


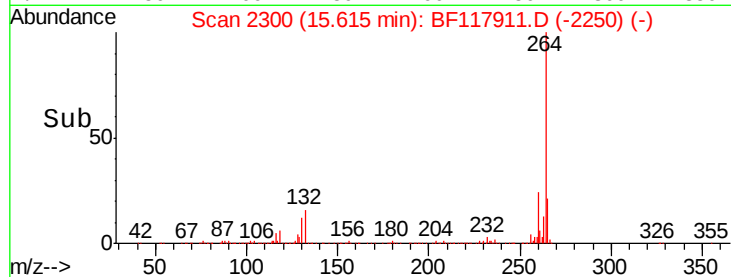
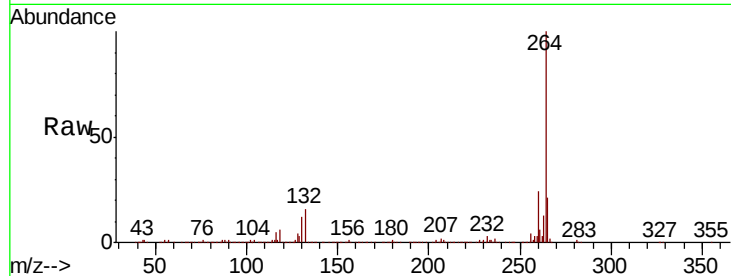
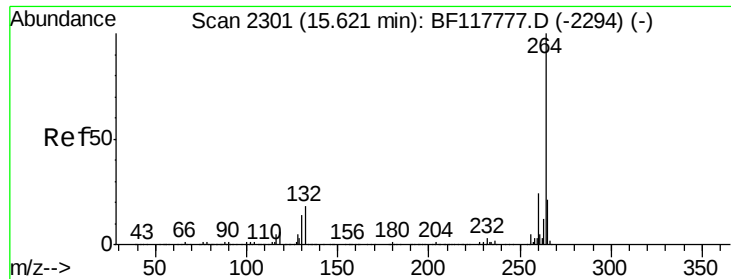
Abundance

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: 15.62 min Scan# 2300  
Delta R.T. -0.01 min  
Lab File: BF117911.D  
Acq: 21 Nov 2019 14:46

Instrument :  
BNA\_F  
ClientSampleId :  
FOUNDATION-1

Tot Ion: 264 Resp: 510822  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 24.3  | 19.4  | 29.0  |
| 265 | 20.8  | 17.1  | 25.7  |

