

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100319\  
 Data File : BF117318.D  
 Acq On : 3 Oct 2019 16:07  
 Operator : JU  
 Sample : K5168-01  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 20190763-SS-COMPOSITE-3

Quant Time: Oct 04 04:02:29 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091319.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Sep 13 16:23:17 2019  
 Response via : Initial Calibration

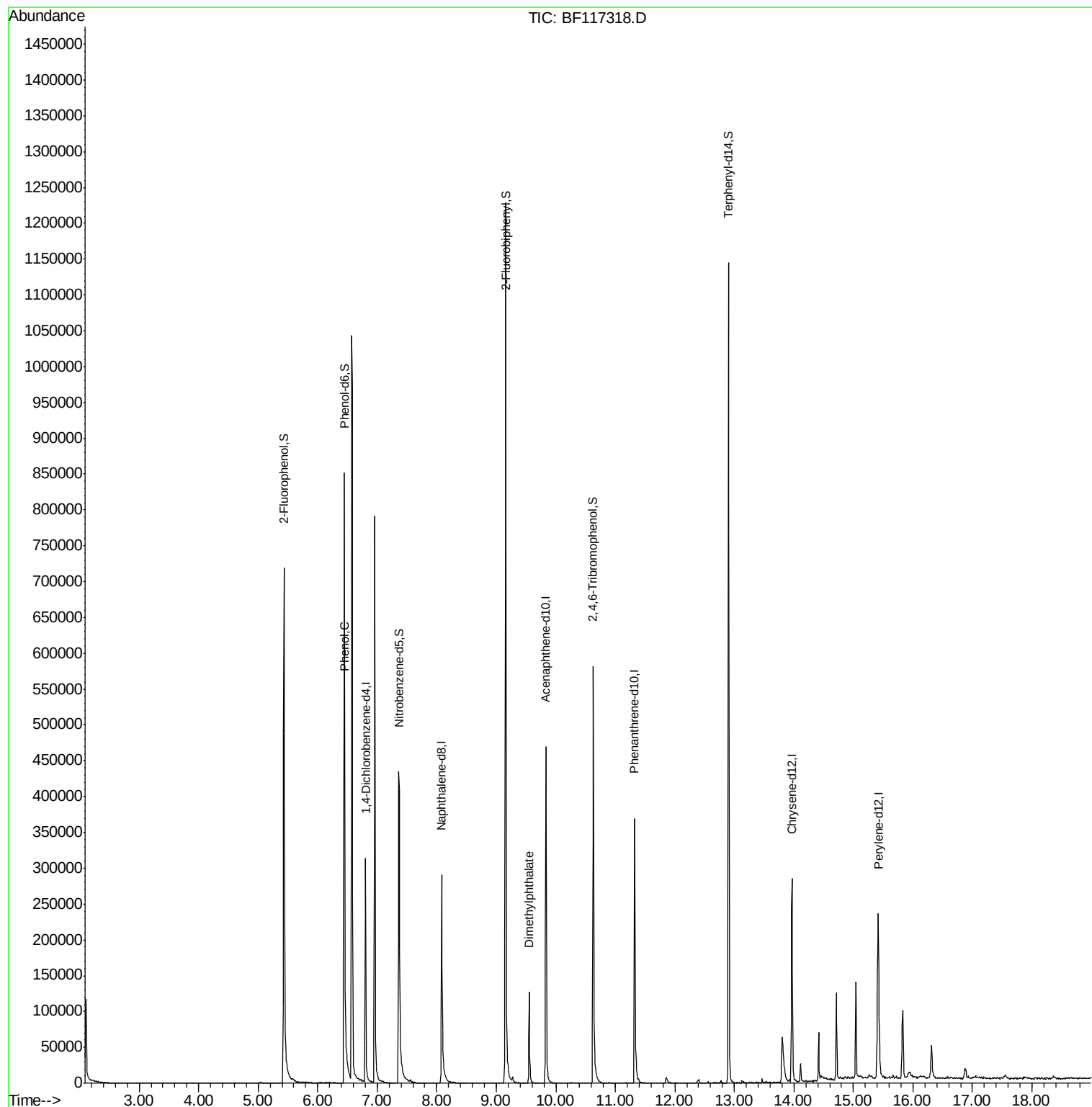
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.80  | 152  | 51409    | 20.00 | ng    | -0.02    |
| 21) Naphthalene-d8          | 8.09  | 136  | 219644   | 20.00 | ng    | -0.02    |
| 39) Acenaphthene-d10        | 9.83  | 164  | 113089   | 20.00 | ng    | -0.02    |
| 64) Phenanthrene-d10        | 11.32 | 188  | 187184   | 20.00 | ng    | -0.01    |
| 76) Chrysene-d12            | 13.97 | 240  | 115384   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12            | 15.42 | 264  | 97047    | 20.00 | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.43  | 112  | 253559   | 77.00 | ng    | 0.00     |
| 7) Phenol-d6                | 6.45  | 99   | 383362   | 90.09 | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.36  | 82   | 240439   | 57.52 | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol    | 10.63 | 330  | 79794    | 84.42 | ng    | -0.02    |
| 45) 2-Fluorobiphenyl        | 9.16  | 172  | 430242   | 59.49 | ng    | -0.02    |
| 79) Terphenyl-d14           | 12.90 | 244  | 391509   | 63.42 | ng    | -0.01    |
| Target Compounds            |       |      |          |       |       |          |
| 10) Phenol                  | 6.46  | 94   | 14385    | 3.066 | ng    | 85       |
| 50) Dimethylphthalate       | 9.55  | 163  | 64845    | 8.098 | ng    | 99       |

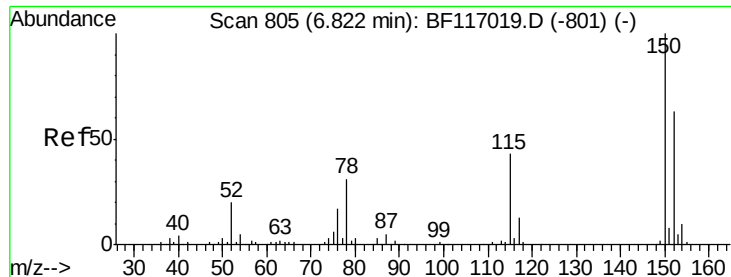
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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20190763-SS-COMPOSITE-3

Quant Time: Oct 04 04:02:29 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091319.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Sep 13 16:23:17 2019  
Response via : Initial Calibration



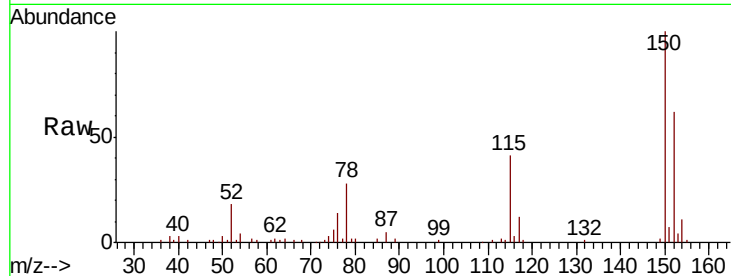


#1

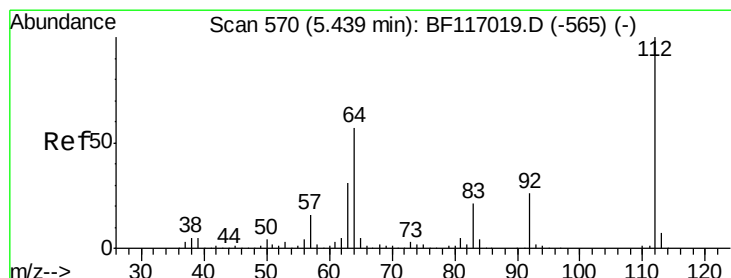
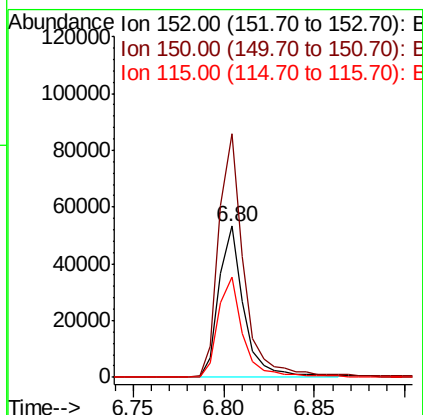
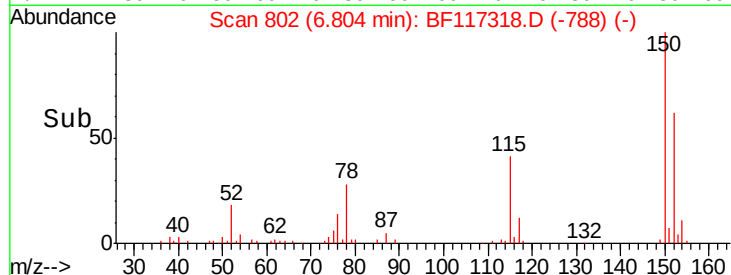
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.80 min Scan# 802  
Delta R.T. -0.02 min  
Lab File: BF117318.D  
Acq: 3 Oct 2019 16:07

Instrument :  
BNA\_F  
ClientSampleId :  
20190763-SS-COMPOSITE-3

Tot Ion:152 Resp: 51409  
Ion Ratio Lower Upper  
152 100  
150 161.0 127.5 191.3  
115 66.0 55.0 82.4



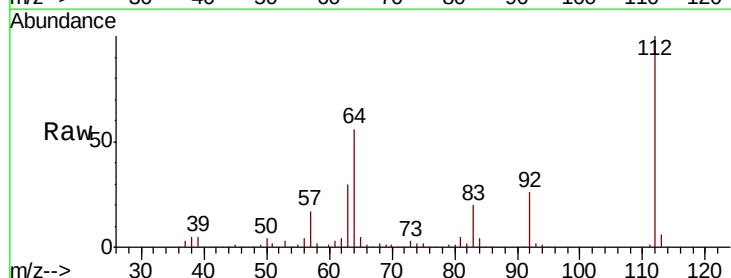
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



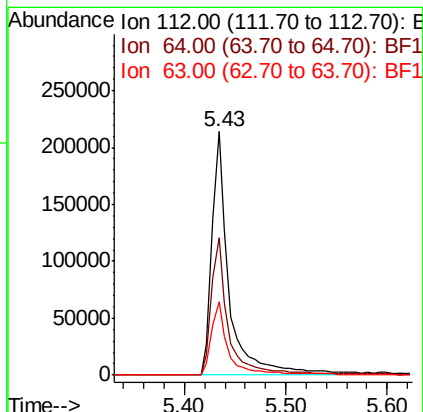
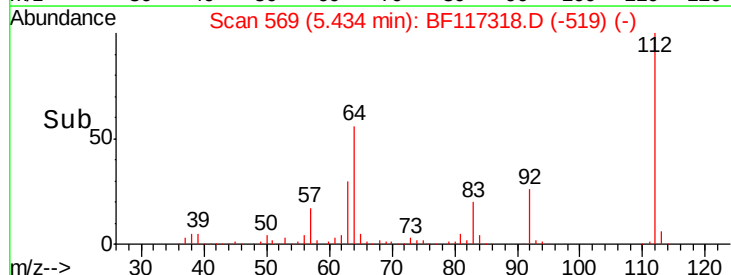
#5

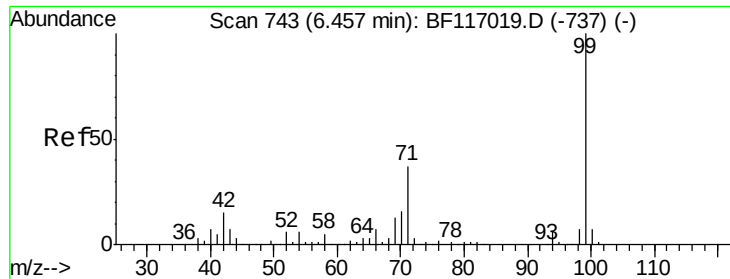
2-Fluorophenol  
Concen: 77.004 ng  
RT: 5.43 min Scan# 569  
Delta R.T. -0.01 min  
Lab File: BF117318.D  
Acq: 3 Oct 2019 16:07

Tgt Ion:112 Resp: 253559  
Ion Ratio Lower Upper  
112 100  
64 56.4 45.7 68.5  
63 30.2 24.9 37.3



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: 90.086 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.01 min

Lab File: BF117318.D

Acq: 3 Oct 2019 16:07

Instrument :

BNA\_F

ClientSampleId :

20190763-SS-COMPOSITE-3

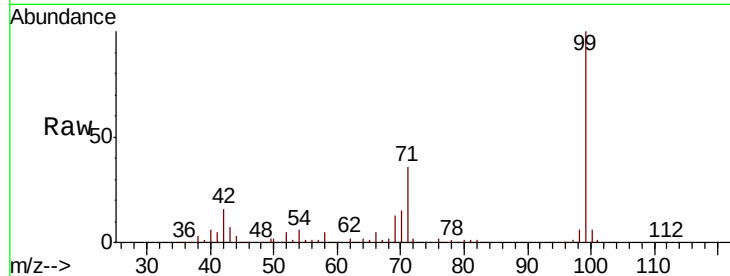
Tot Ion: 99 Resp: 383362

Ion Ratio Lower Upper

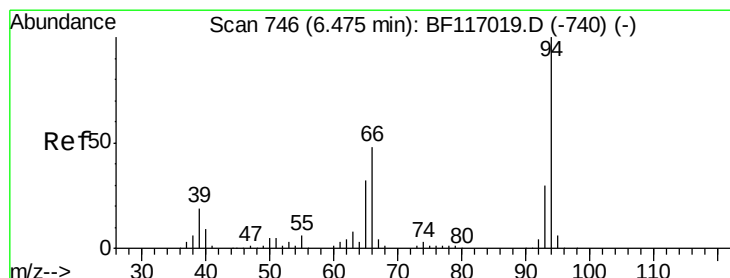
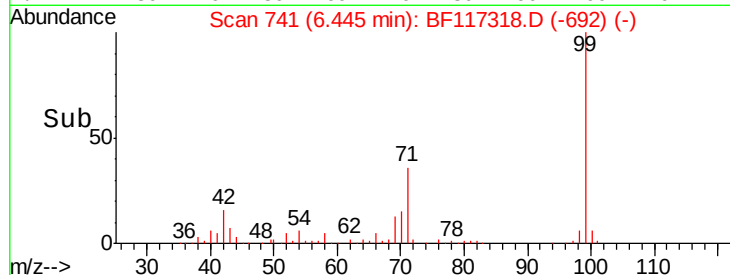
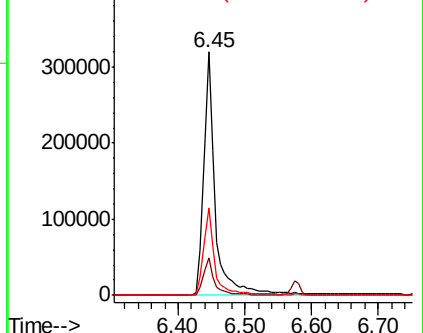
99 100

42 15.6 12.2 18.2

71 36.0 29.8 44.8



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



#10

Phenol

Concen: 3.066 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.02 min

Lab File: BF117318.D

Acq: 3 Oct 2019 16:07

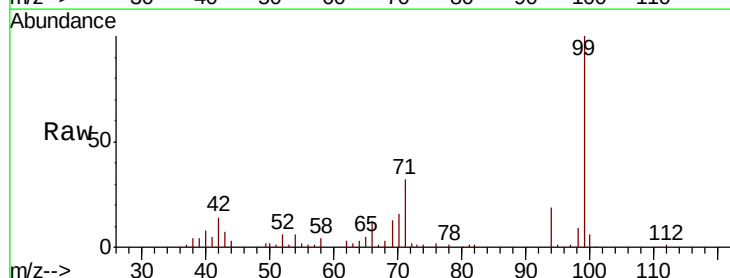
Tgt Ion: 94 Resp: 14385

Ion Ratio Lower Upper

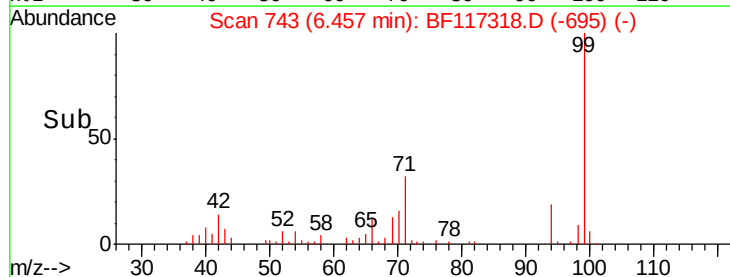
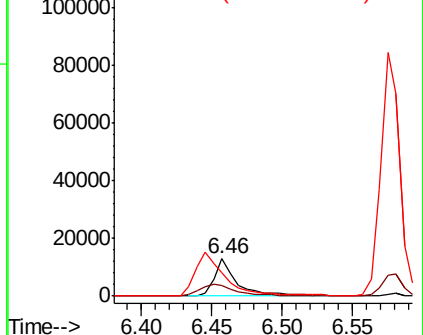
94 100

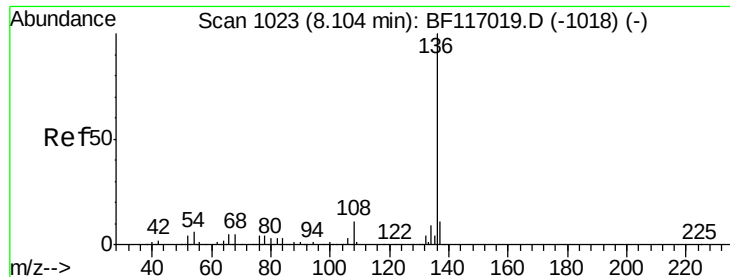
65 27.2 12.5 52.5

66 62.2 28.9 68.9



Abundance Ion 94.00 (93.70 to 94.70): BF1  
Ion 65.00 (64.70 to 65.70): BF1  
Ion 66.00 (65.70 to 66.70): BF1

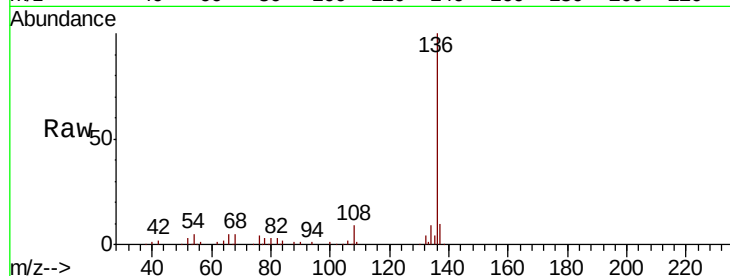




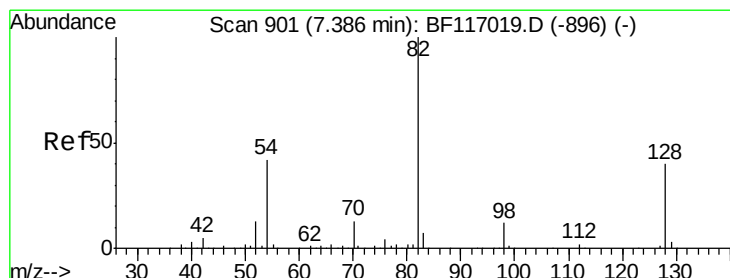
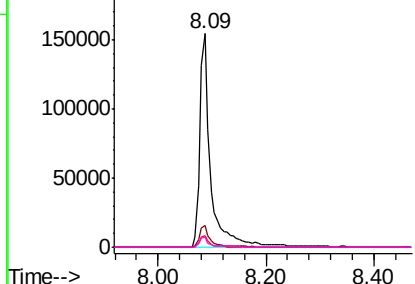
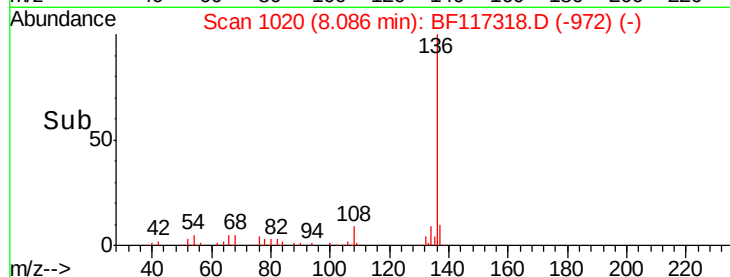
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.09 min Scan# 1020  
Delta R.T. -0.02 min  
Lab File: BF117318.D  
Acq: 3 Oct 2019 16:07

Instrument :  
BNA\_F  
ClientSampleId :  
20190763-SS-COMPOSITE-3

|             |       |             |
|-------------|-------|-------------|
| Tot Ion:136 | Resp: | 219644      |
| Ion         | Ratio | Lower Upper |
| 136         | 100   |             |
| 137         | 10.1  | 9.0 13.4    |
| 54          | 5.5   | 4.5 6.7     |
| 68          | 4.8   | 4.0 6.0     |

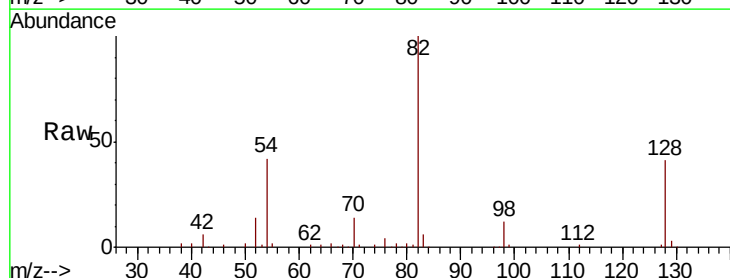


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF1  
Ion 68.00 (67.70 to 68.70): BF1

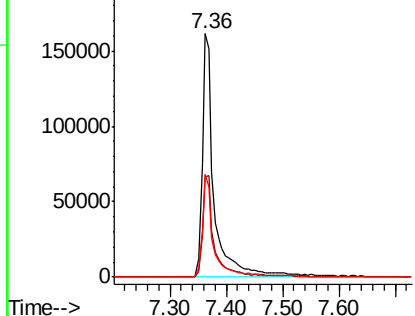
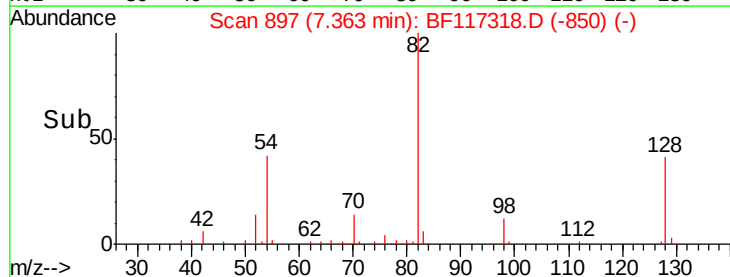


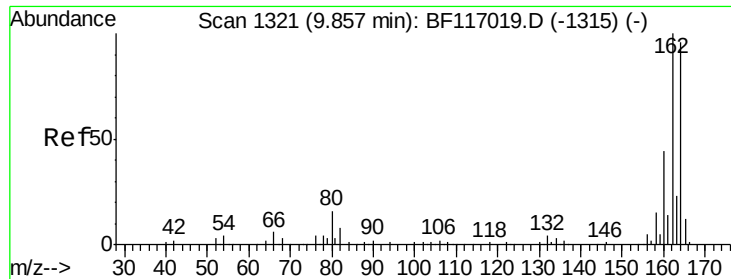
#23  
Nitrobenzene-d5  
Concen: 57.517 ng  
RT: 7.36 min Scan# 897  
Delta R.T. -0.02 min  
Lab File: BF117318.D  
Acq: 3 Oct 2019 16:07

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion: 82 | Resp: | 240439      |
| Ion         | Ratio | Lower Upper |
| 82          | 100   |             |
| 128         | 41.0  | 32.3 48.5   |
| 54          | 42.5  | 33.3 49.9   |



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: 9.83 min Scan# 1317

Delta R.T. -0.02 min

Lab File: BF117318.D

Acq: 3 Oct 2019 16:07

Instrument :

BNA\_F

ClientSampleId :

20190763-SS-COMPOSITE-3

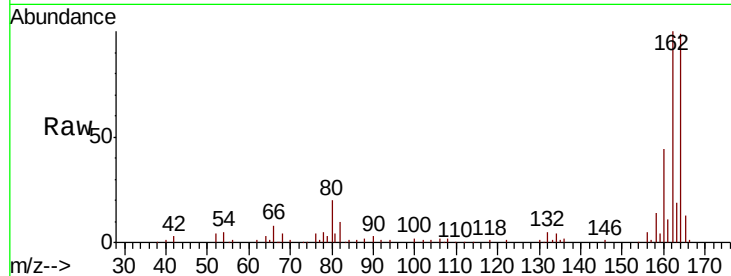
Tot Ion:164 Resp: 113089

Ion Ratio Lower Upper

164 100

162 100.9 83.4 125.2

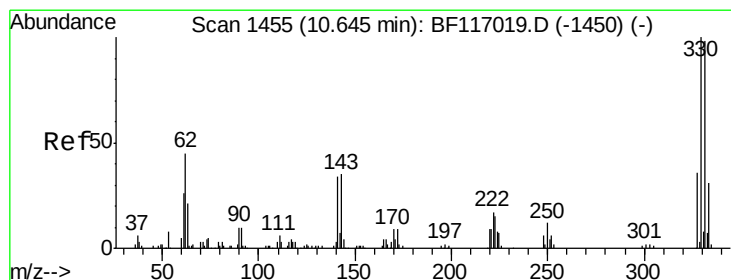
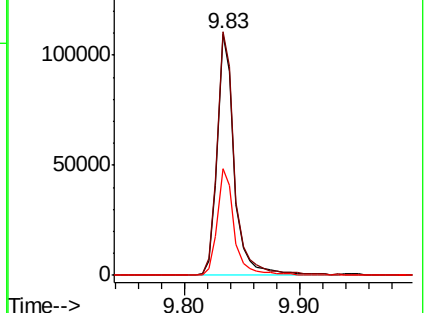
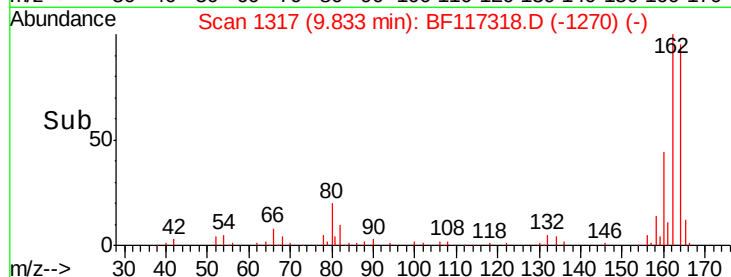
160 44.1 36.4 54.6



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: 84.423 ng

RT: 10.63 min Scan# 1452

Delta R.T. -0.02 min

Lab File: BF117318.D

Acq: 3 Oct 2019 16:07

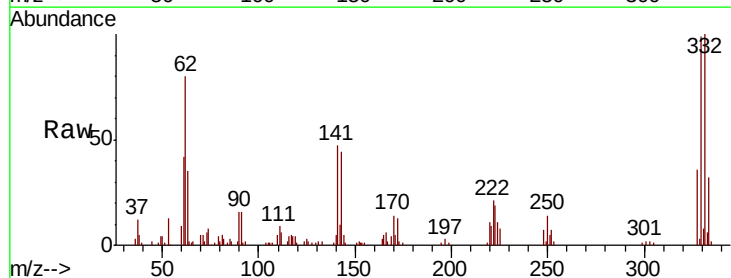
Tgt Ion:330 Resp: 79794

Ion Ratio Lower Upper

330 100

332 96.5 78.0 117.0

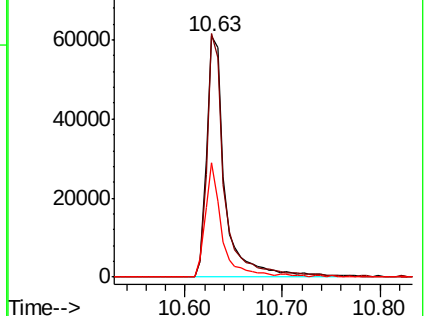
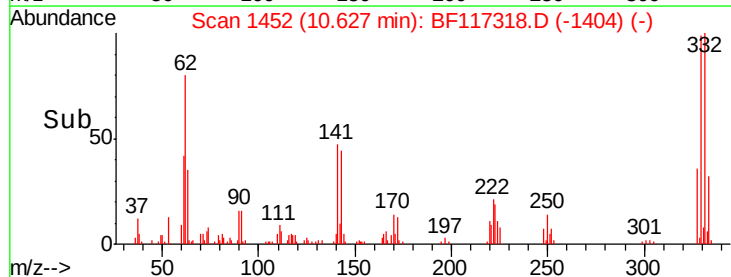
141 42.1 35.8 53.6

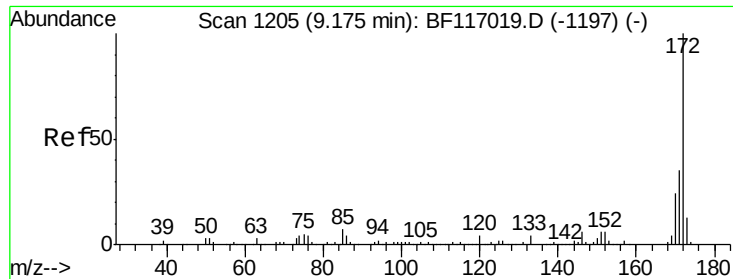


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

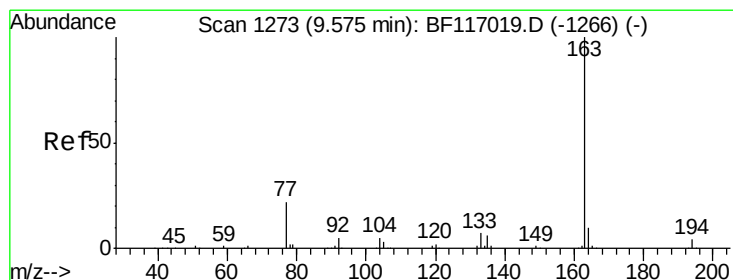
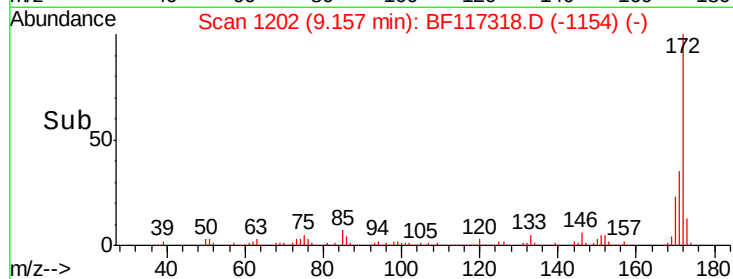
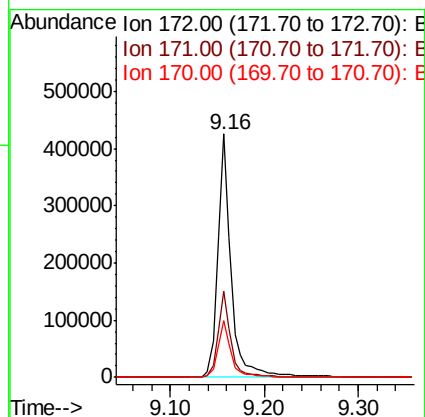
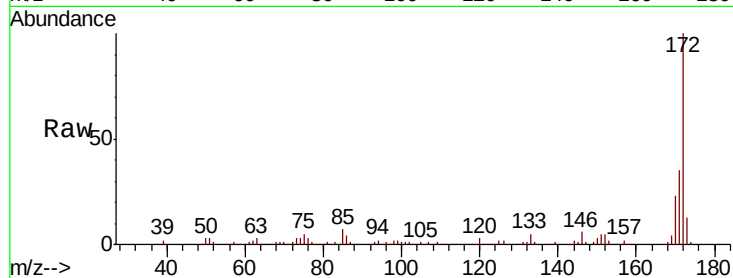




#45  
2-Fluorobiphenyl  
Concen: 59.486 ng  
RT: 9.16 min Scan# 1202  
Delta R.T. -0.02 min  
Lab File: BF117318.D  
Acq: 3 Oct 2019 16:07

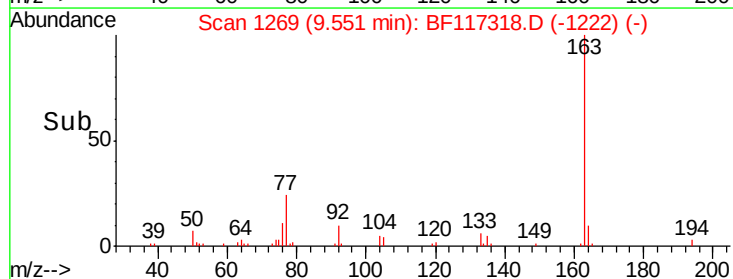
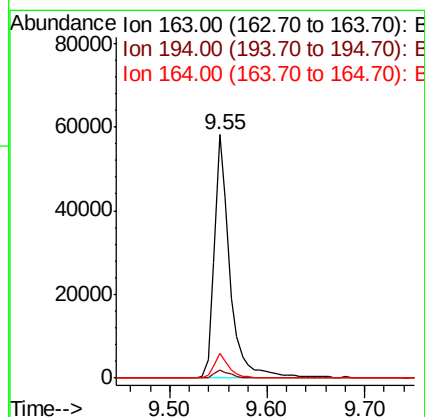
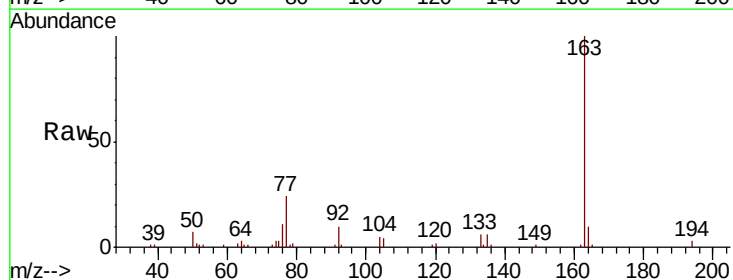
Instrument :  
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20190763-SS-COMPOSITE-3

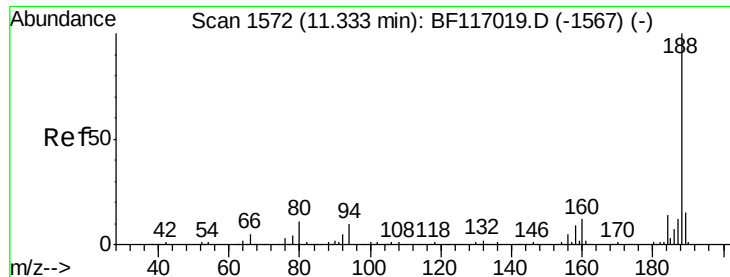
Tot Ion:172 Resp: 430242  
Ion Ratio Lower Upper  
172 100  
171 35.5 28.2 42.2  
170 23.3 18.9 28.3



#50  
Dimethylphthalate  
Concen: 8.098 ng  
RT: 9.55 min Scan# 1269  
Delta R.T. -0.02 min  
Lab File: BF117318.D  
Acq: 3 Oct 2019 16:07

Tgt Ion:163 Resp: 64845  
Ion Ratio Lower Upper  
163 100  
194 3.2 2.9 4.3  
164 10.1 8.2 12.4

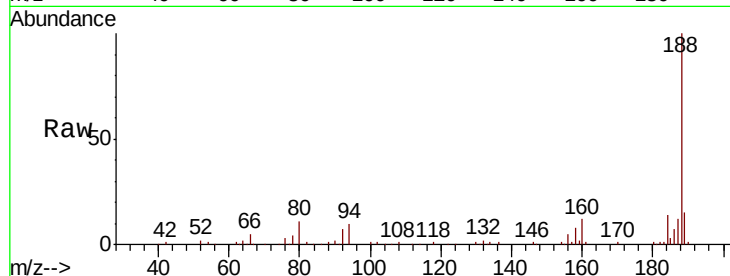




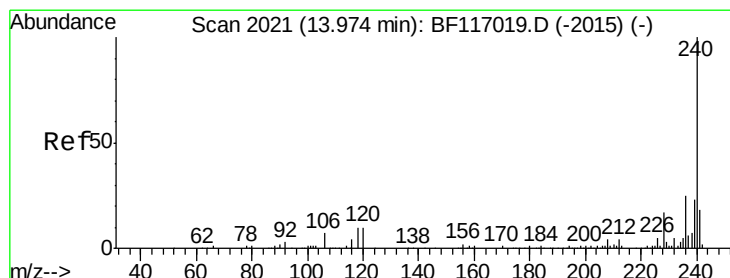
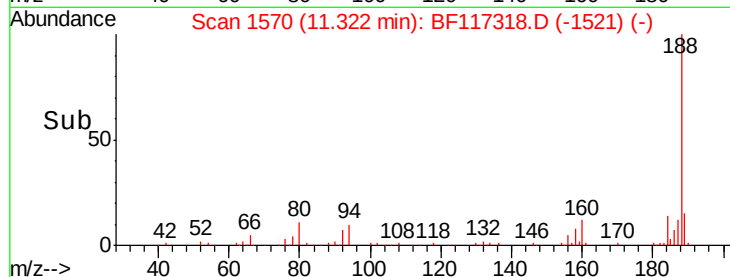
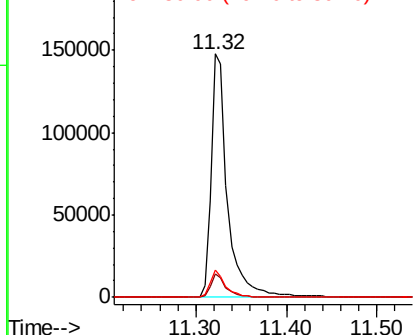
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.32 min Scan# 1570  
Delta R.T. -0.01 min  
Lab File: BF117318.D  
Acq: 3 Oct 2019 16:07

Instrument :  
BNA\_F  
ClientSampleId :  
20190763-SS-COMPOSITE-3

Tot Ion:188 Resp: 187184  
Ion Ratio Lower Upper  
188 100  
94 9.7 8.2 12.2  
80 11.0 9.0 13.6

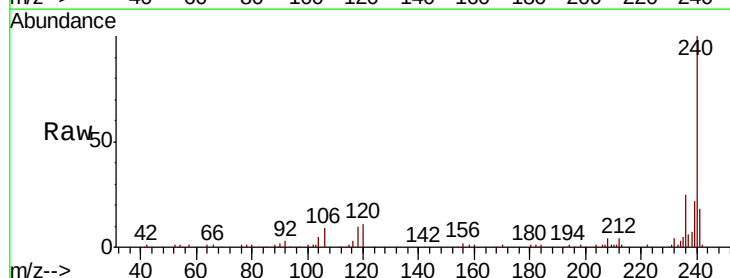


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF1  
Ion 80.00 (79.70 to 80.70): BF1

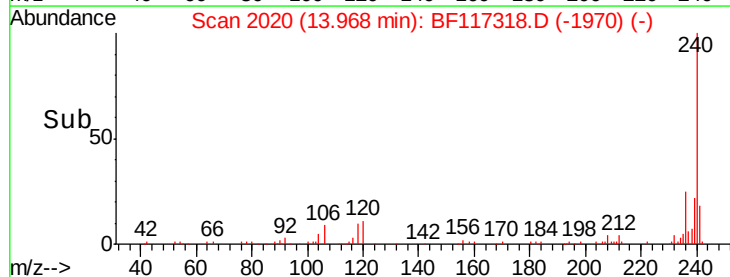
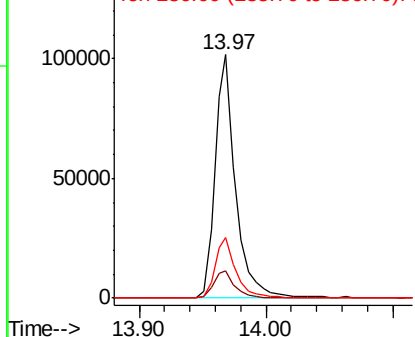


#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.97 min Scan# 2020  
Delta R.T. -0.01 min  
Lab File: BF117318.D  
Acq: 3 Oct 2019 16:07

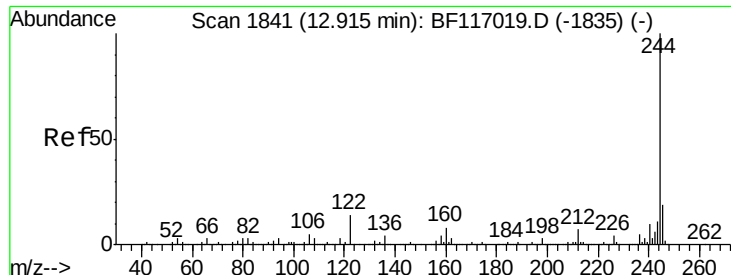
Tgt Ion:240 Resp: 115384  
Ion Ratio Lower Upper  
240 100  
120 11.0 8.3 12.5  
236 25.0 20.3 30.5



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: 63.425 ng

RT: 12.90 min Scan# 1839

Delta R.T. -0.01 min

Lab File: BF117318.D

Acq: 3 Oct 2019 16:07

Instrument :

BNA\_F

ClientSampleId :

20190763-SS-COMPOSITE-3

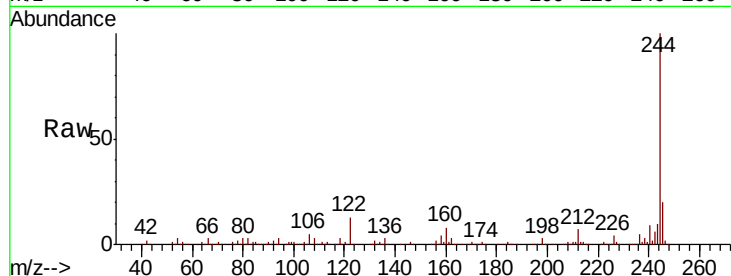
Tot Ion:244 Resp: 391509

Ion Ratio Lower Upper

244 100

212 6.9 5.8 8.8

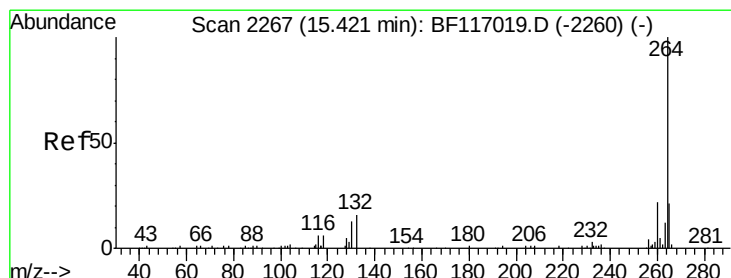
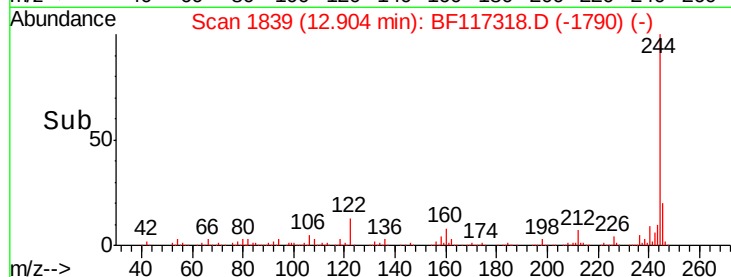
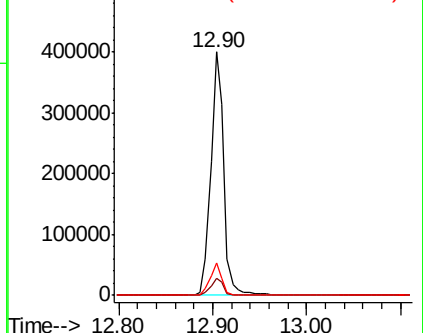
122 13.4 11.3 16.9



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: 15.42 min Scan# 2267

Delta R.T. 0.00 min

Lab File: BF117318.D

Acq: 3 Oct 2019 16:07

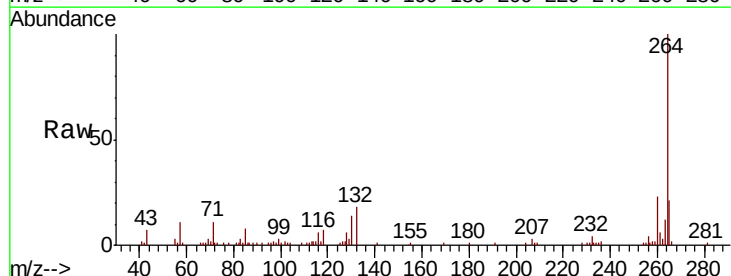
Tgt Ion:264 Resp: 97047

Ion Ratio Lower Upper

264 100

260 23.1 17.6 26.4

265 20.9 16.6 24.8



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

