

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061419\  
 Data File : BF115045.D  
 Acq On : 14 Jun 2019 17:45  
 Operator : HP/JU  
 Sample : K3369-01  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 FRAC-TANK-COMP

Quant Time: Jun 15 05:24:50 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061219.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jun 12 15:42:37 2019  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.65  | 152  | 249932   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 7.93  | 136  | 935044   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 9.67  | 164  | 420470   | 20.00  | ng    | -0.01    |
| 64) Phenanthrene-d10        | 11.15 | 188  | 713734   | 20.00  | ng    | -0.01    |
| 76) Chrysene-d12            | 13.76 | 240  | 515073   | 20.00  | ng    | -0.02    |
| 87) Perylene-d12            | 15.14 | 264  | 506489   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.25  | 112  | 876049   | 58.53  | ng    | 0.00     |
| 7) Phenol-d6                | 6.28  | 99   | 685581   | 37.97  | ng    | -0.02    |
| 23) Nitrobenzene-d5         | 7.21  | 82   | 1342372  | 86.41  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.46 | 330  | 459726   | 102.10 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl        | 9.00  | 172  | 2410081  | 97.15  | ng    | 0.00     |
| 79) Terphenyl-d14           | 12.73 | 244  | 2097514  | 76.59  | ng    | -0.01    |

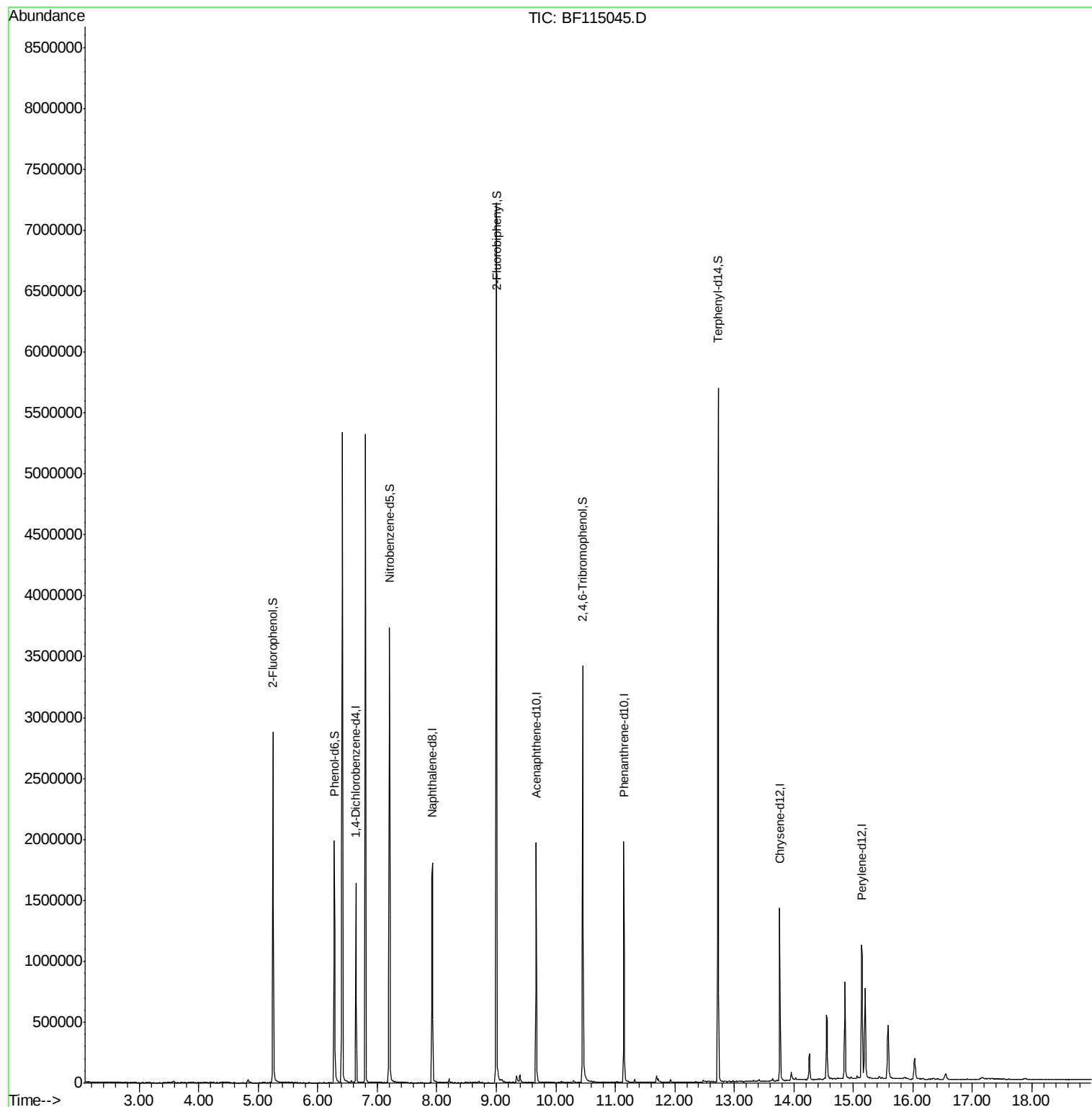
Target Compounds Qvalue

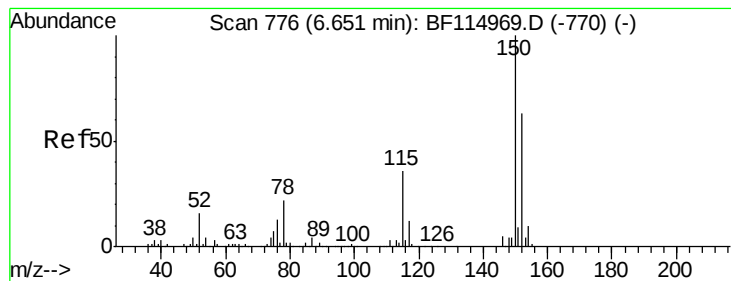
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
FRAC-TANK-COMP

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061219.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Jun 12 15:42:37 2019  
Response via : Initial Calibration



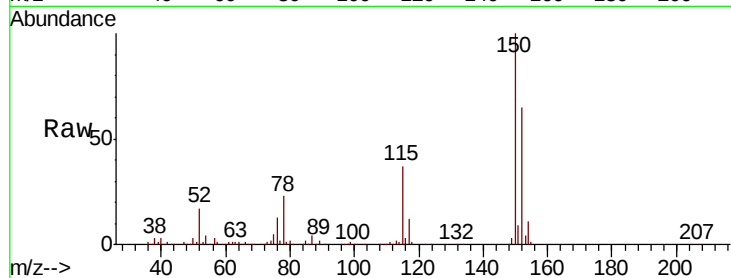


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.65 min Scan# 775  
Delta R.T. -0.01 min  
Lab File: BF115045.D  
Acq: 14 Jun 2019 17:45

Instrument :  
BNA\_F  
ClientSampleId :  
FRAC-TANK-COMP

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 154.3 | 127.4 | 191.0 |
| 115     | 57.2  | 46.0  | 69.0  |

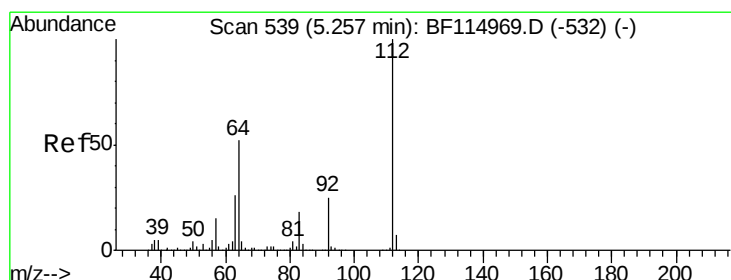
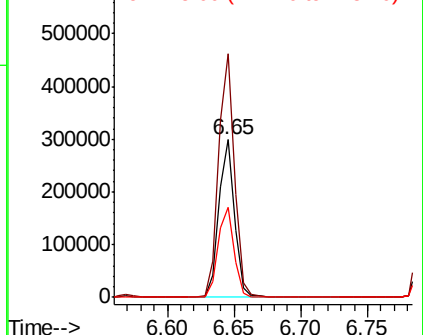
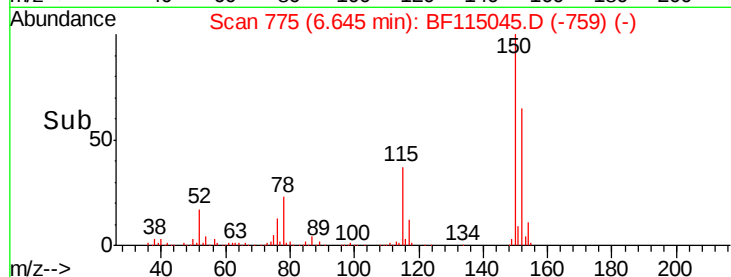


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

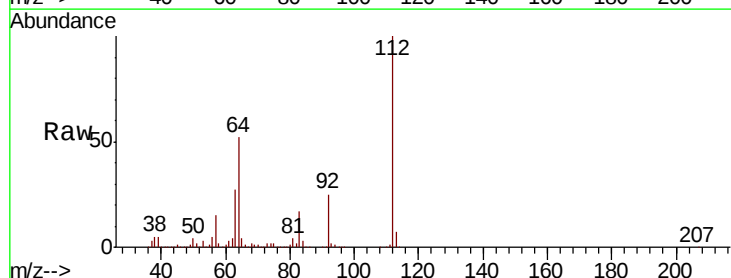
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol  
Concen: 58.529 ng  
RT: 5.25 min Scan# 538  
Delta R.T. -0.01 min  
Lab File: BF115045.D  
Acq: 14 Jun 2019 17:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 51.9  | 41.6  | 62.4  |
| 63      | 26.9  | 20.9  | 31.3  |

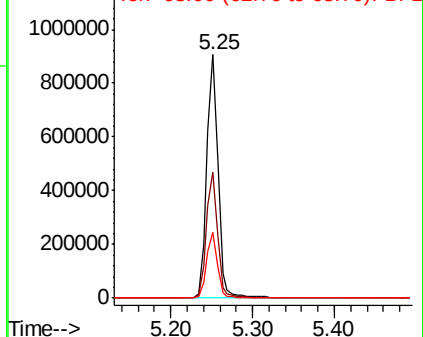
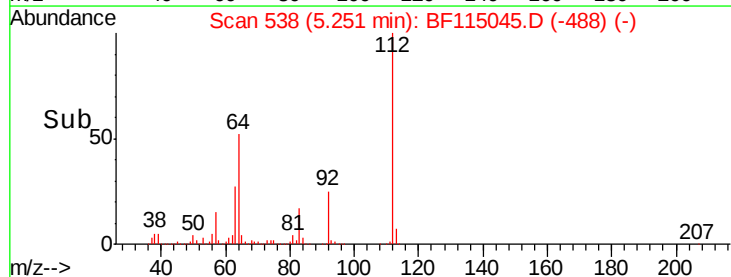


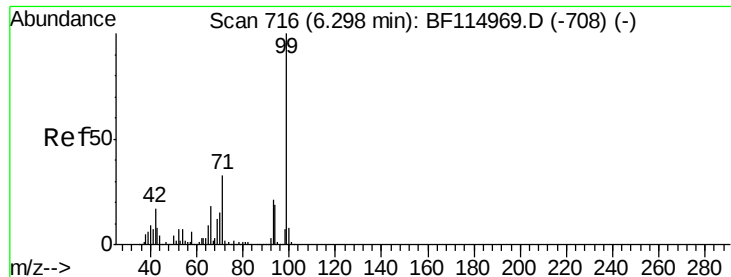
Abundance

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: 37.971 ng

RT: 6.28 min Scan# 713

Delta R.T. -0.02 min

Lab File: BF115045.D

Acq: 14 Jun 2019 17:45

Instrument :

BNA\_F

ClientSampleId :

FRAC-TANK-COMP

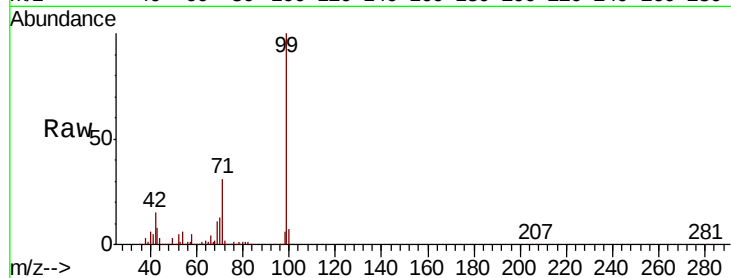
Tot Ion: 99 Resp: 685581

Ion Ratio Lower Upper

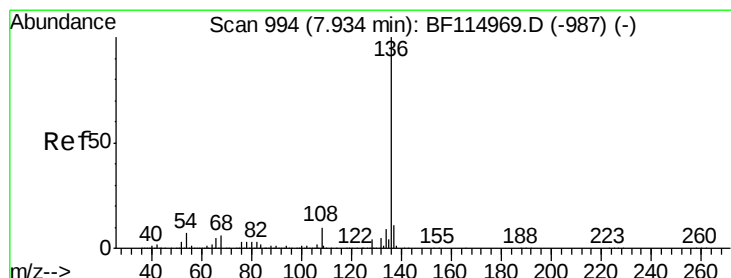
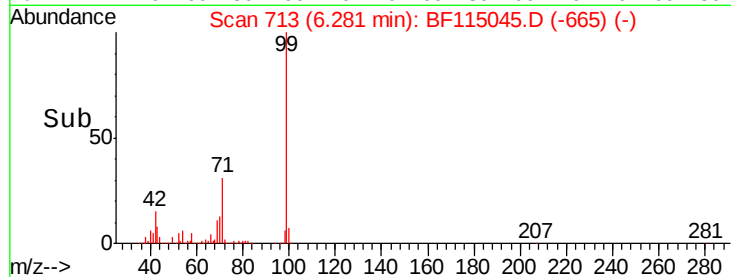
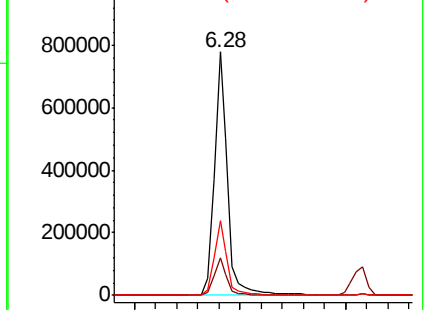
99 100

42 15.4 13.4 20.2

71 30.8 26.4 39.6



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: 7.93 min Scan# 993

Delta R.T. -0.01 min

Lab File: BF115045.D

Acq: 14 Jun 2019 17:45

Tgt Ion: 136 Resp: 935044

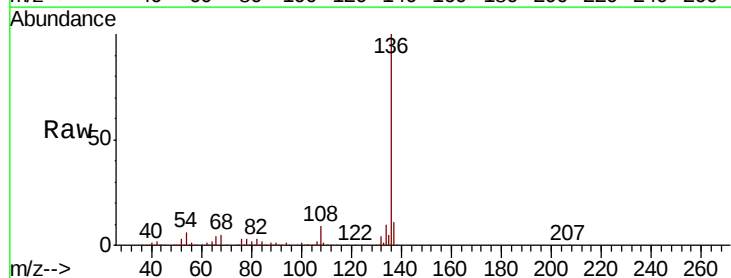
Ion Ratio Lower Upper

136 100

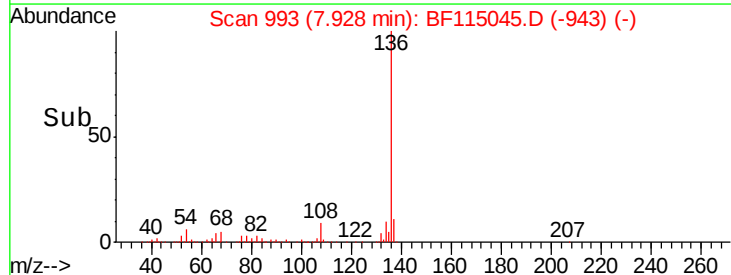
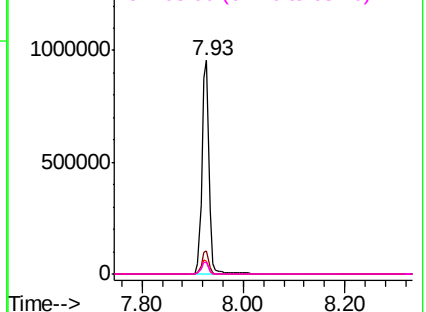
137 10.9 9.0 13.4

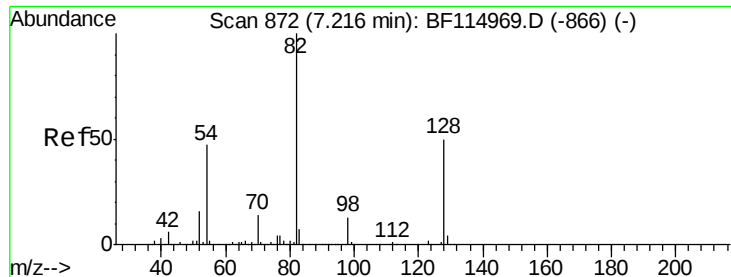
54 5.8 5.4 8.0

68 5.2 4.6 7.0



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

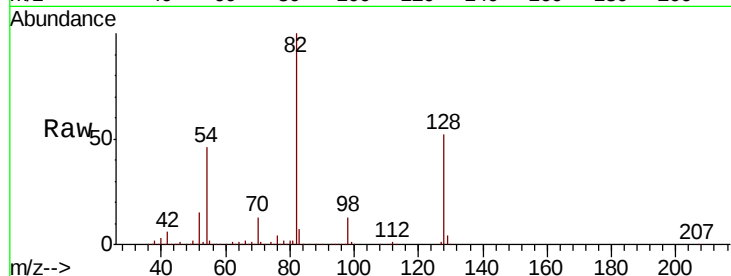




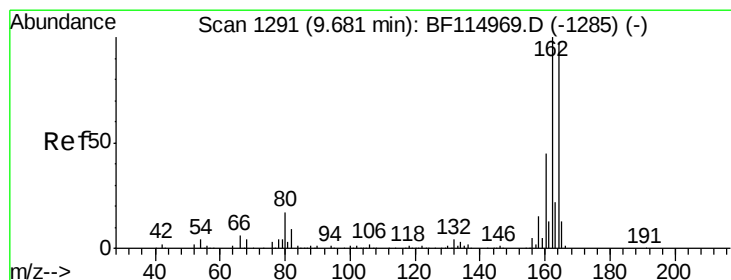
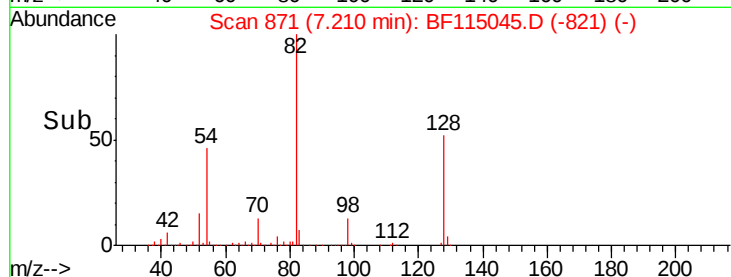
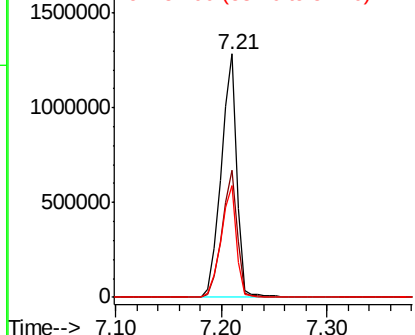
#23  
Nitrobenzene-d5  
Concen: 86.413 ng  
RT: 7.21 min Scan# 871  
Delta R.T. -0.01 min  
Lab File: BF115045.D  
Acq: 14 Jun 2019 17:45

Instrument :  
BNA\_F  
ClientSampleId :  
FRAC-TANK-COMP

Tot Ion: 82 Resp: 1342372  
Ion Ratio Lower Upper  
82 100  
128 52.0 39.9 59.9  
54 45.9 37.3 55.9

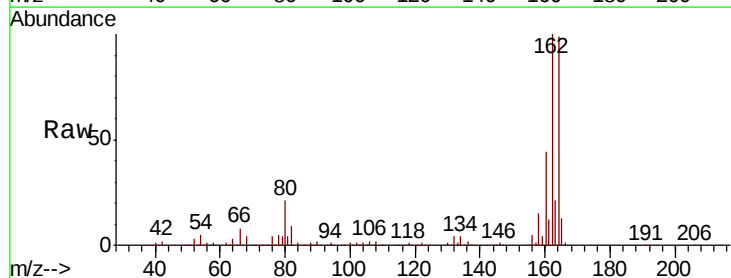


Abundance Ion 82.00 (81.70 to 82.70): BF1  
Ion 128.00 (127.70 to 128.70): E  
Ion 54.00 (53.70 to 54.70): BF1

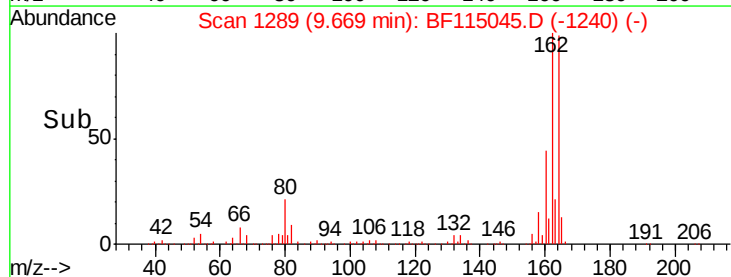
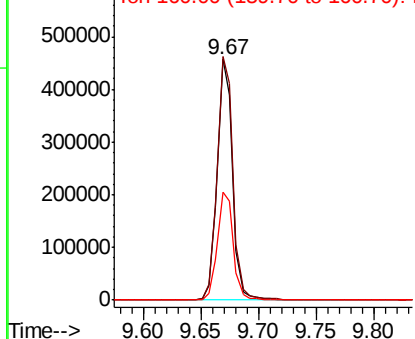


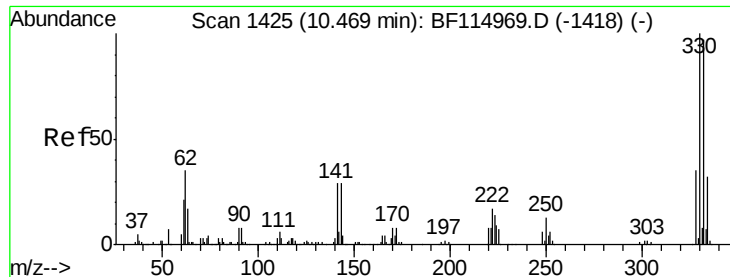
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.67 min Scan# 1289  
Delta R.T. -0.01 min  
Lab File: BF115045.D  
Acq: 14 Jun 2019 17:45

Tgt Ion:164 Resp: 420470  
Ion Ratio Lower Upper  
164 100  
162 101.1 82.6 124.0  
160 44.6 36.9 55.3



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

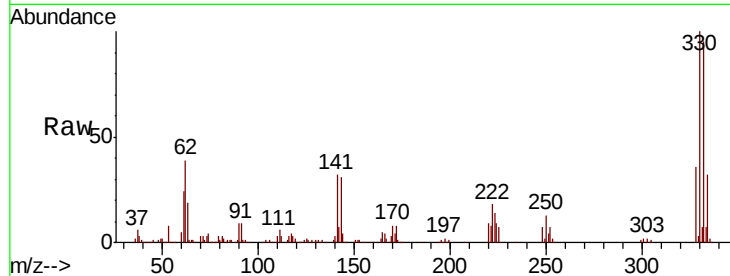




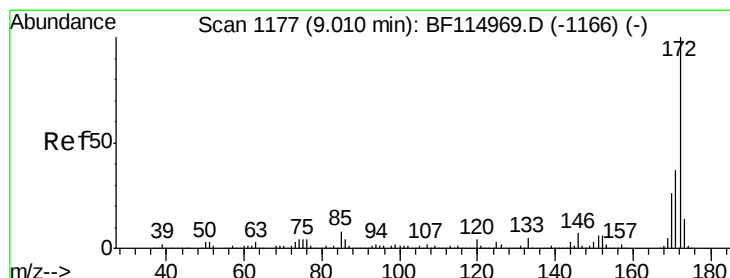
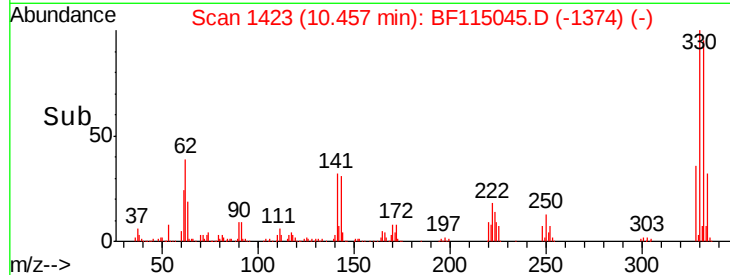
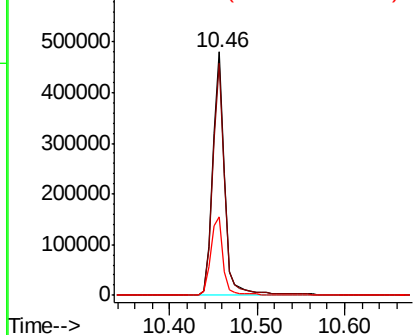
#42  
 2,4,6-Tribromophenol  
 Concen: 102.101 ng  
 RT: 10.46 min Scan# 1423  
 Delta R.T. -0.01 min  
 Lab File: BF115045.D  
 Acq: 14 Jun 2019 17:45

Instrument :  
 BNA\_F  
 ClientSampleId :  
 FRAC-TANK-COMP

Tot Ion:330 Resp: 459726  
 Ion Ratio Lower Upper  
 330 100  
 332 96.6 77.6 116.4  
 141 34.3 27.2 40.8

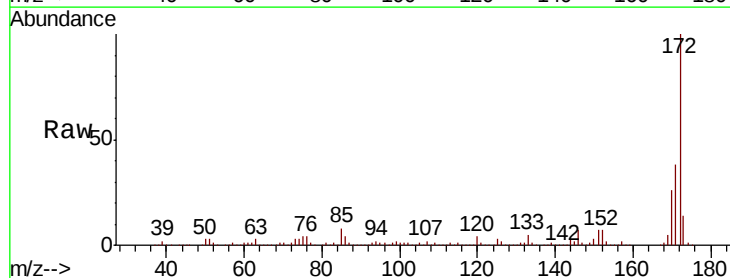


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

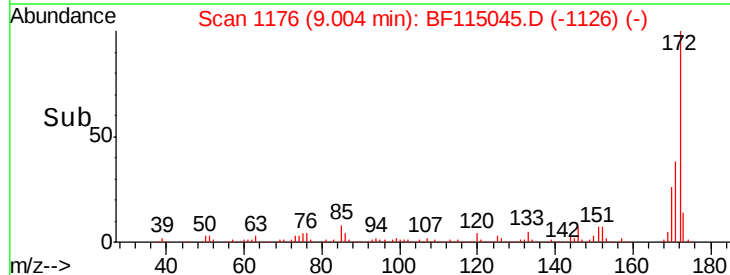
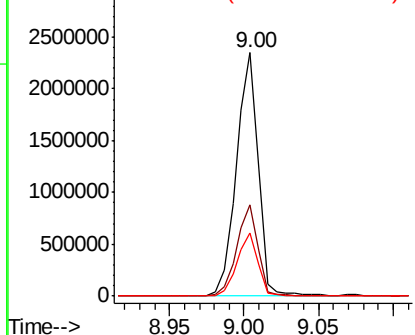


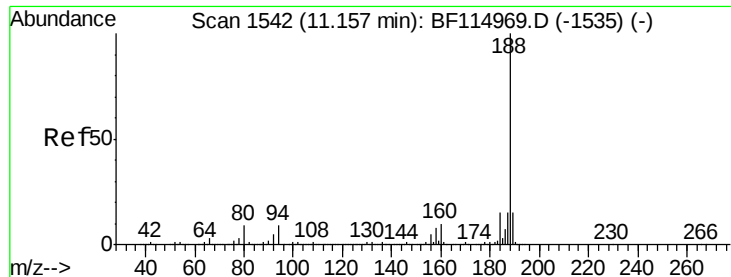
#45  
 2-Fluorobiphenyl  
 Concen: 97.146 ng  
 RT: 9.00 min Scan# 1176  
 Delta R.T. -0.01 min  
 Lab File: BF115045.D  
 Acq: 14 Jun 2019 17:45

Tgt Ion:172 Resp: 2410081  
 Ion Ratio Lower Upper  
 172 100  
 171 37.7 29.8 44.6  
 170 25.9 20.6 31.0



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

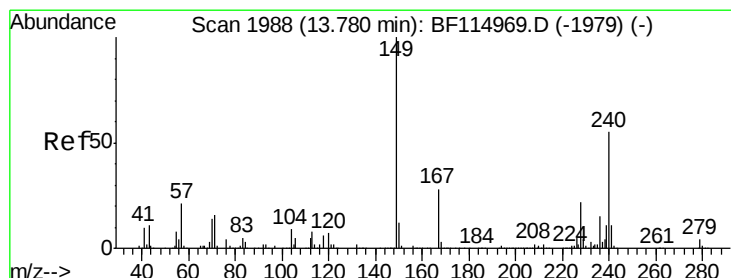
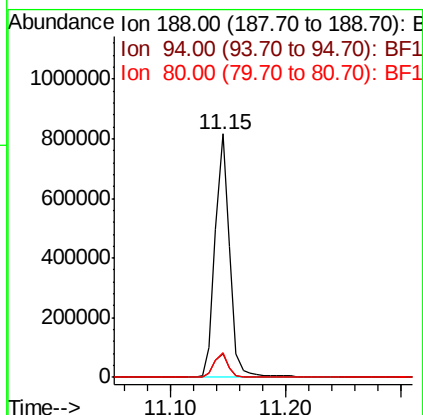
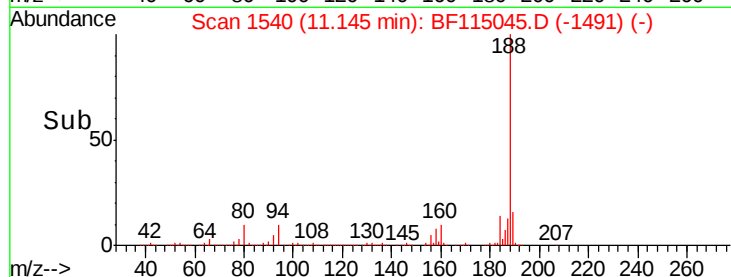
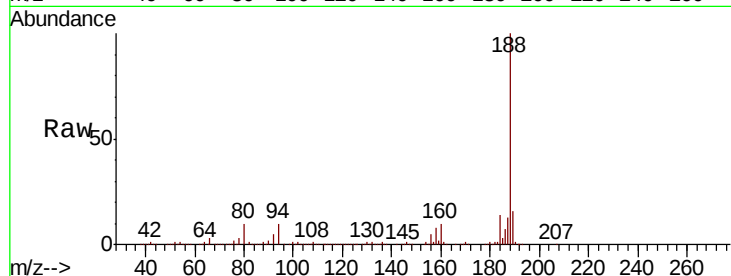




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.15 min Scan# 1540  
Delta R.T. -0.01 min  
Lab File: BF115045.D  
Acq: 14 Jun 2019 17:45

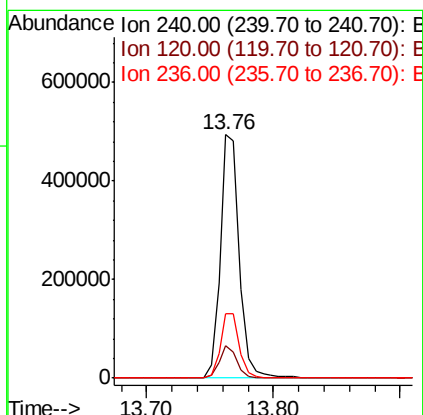
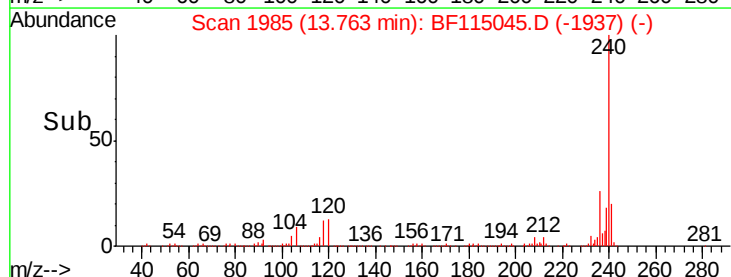
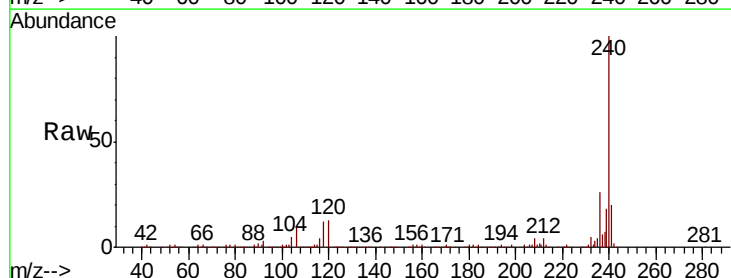
Instrument :  
BNA\_F  
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FRAC-TANK-COMP

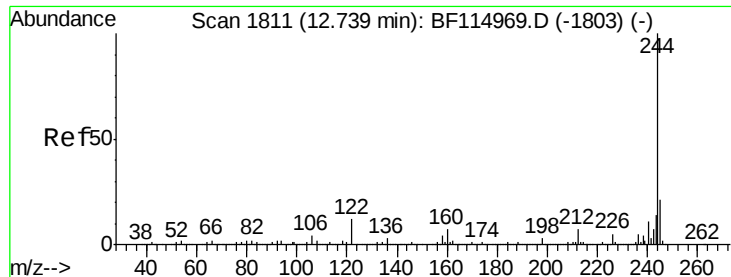
Tot Ion:188 Resp: 713734  
Ion Ratio Lower Upper  
188 100  
94 9.5 7.2 10.8  
80 10.1 7.4 11.2



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.76 min Scan# 1985  
Delta R.T. -0.02 min  
Lab File: BF115045.D  
Acq: 14 Jun 2019 17:45

Tgt Ion:240 Resp: 515073  
Ion Ratio Lower Upper  
240 100  
120 13.2 10.0 15.0  
236 26.4 21.6 32.4





#79

Terphenyl-d14

Concen: 76.594 ng

RT: 12.73 min Scan# 1809

Delta R.T. -0.01 min

Lab File: BF115045.D

Acq: 14 Jun 2019 17:45

Instrument :

BNA\_F

ClientSampleId :

FRAC-TANK-COMP

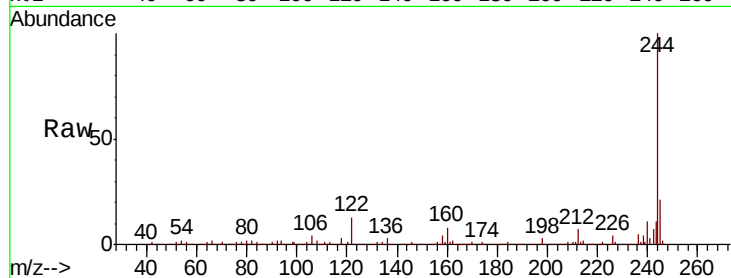
Tot Ion:244 Resp: 2097514

Ion Ratio Lower Upper

244 100

212 7.3 5.8 8.8

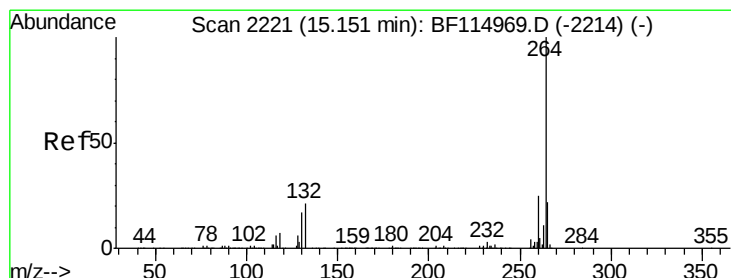
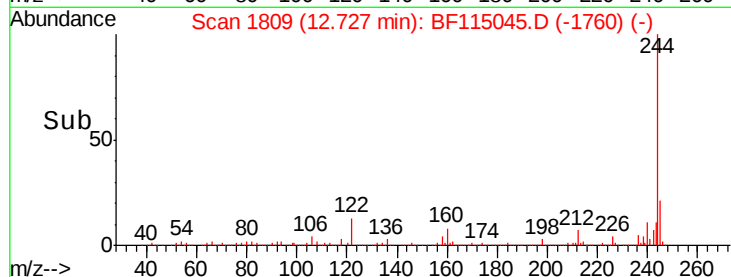
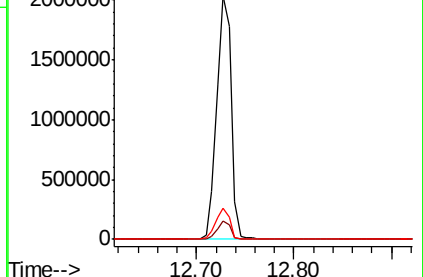
122 12.8 9.4 14.0



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: 15.14 min Scan# 2219

Delta R.T. -0.01 min

Lab File: BF115045.D

Acq: 14 Jun 2019 17:45

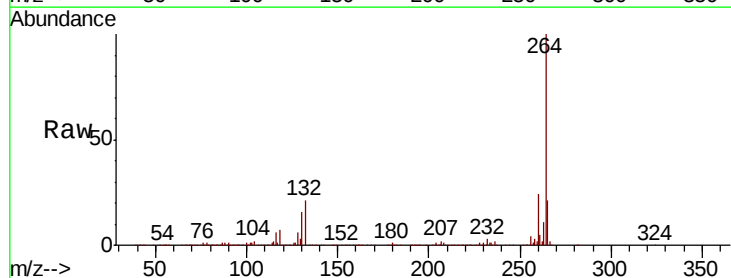
Tgt Ion:264 Resp: 506489

Ion Ratio Lower Upper

264 100

260 24.2 19.9 29.9

265 21.4 17.6 26.4



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

