

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112918\  
 Data File : BF111090.D  
 Acq On : 29 Nov 2018 14:54  
 Operator : JU/SJ  
 Sample : J5768-07  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 OK-01-112818

Quant Time: Nov 29 15:46:17 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF112618.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Nov 29 10:35:31 2018  
 Response via : Initial Calibration

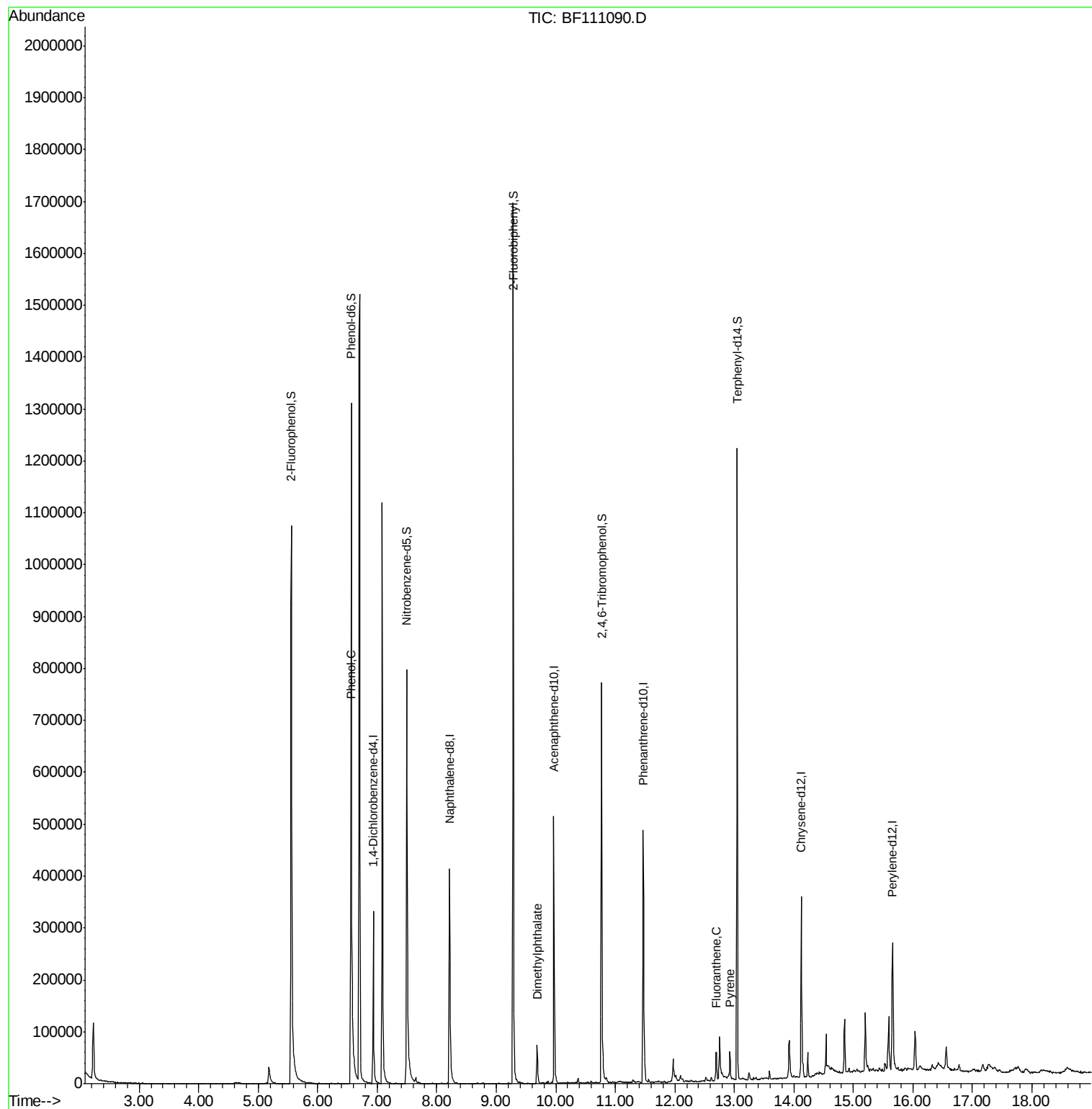
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)    |
|-----------------------------|-------|------|----------|--------|-------|-------------|
| 1) 1,4-Dichlorobenzene-d4   | 6.93  | 152  | 59941    | 20.00  | ng    | 0.00        |
| 21) Naphthalene-d8          | 8.22  | 136  | 251651   | 20.00  | ng    | 0.00        |
| 39) Acenaphthene-d10        | 9.97  | 164  | 118644   | 20.00  | ng    | -0.01       |
| 64) Phenanthrene-d10        | 11.47 | 188  | 196054   | 20.00  | ng    | 0.00        |
| 76) Chrysene-d12            | 14.13 | 240  | 126182   | 20.00  | ng    | 0.00        |
| 87) Perylene-d12            | 15.66 | 264  | 128494   | 20.00  | ng    | -0.01       |
| System Monitoring Compounds |       |      |          |        |       |             |
| 5) 2-Fluorophenol           | 5.56  | 112  | 392755   | 108.66 | ng    | 0.00        |
| 7) Phenol-d6                | 6.56  | 99   | 493939   | 104.86 | ng    | 0.00        |
| 23) Nitrobenzene-d5         | 7.50  | 82   | 316450   | 71.97  | ng    | -0.01       |
| 42) 2,4,6-Tribromophenol    | 10.77 | 330  | 100514   | 85.30  | ng    | -0.01       |
| 45) 2-Fluorobiphenyl        | 9.29  | 172  | 594200   | 72.56  | ng    | 0.00        |
| 79) Terphenyl-d14           | 13.04 | 244  | 409031   | 63.10  | ng    | -0.01       |
| Target Compounds            |       |      |          |        |       |             |
| 10) Phenol                  | 6.57  | 94   | 38658    | 7.287  | ng    | Qvalue # 75 |
| 50) Dimethylphthalate       | 9.69  | 163  | 37698    | 4.332  | ng    | 98          |
| 75) Fluoranthene            | 12.70 | 202  | 26872    | 2.518  | ng    | 98          |
| 78) Pyrene                  | 12.93 | 202  | 24179    | 2.624  | ng    | 97          |

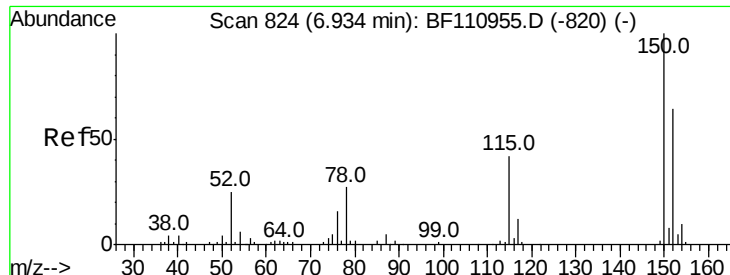
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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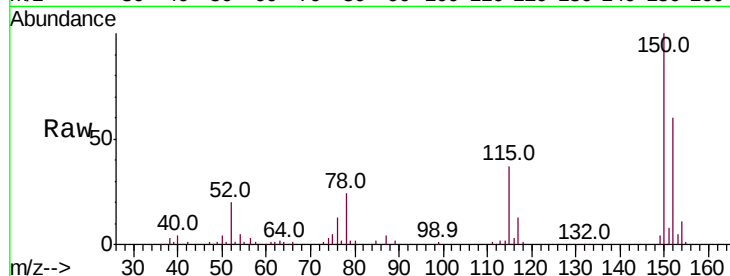


#1

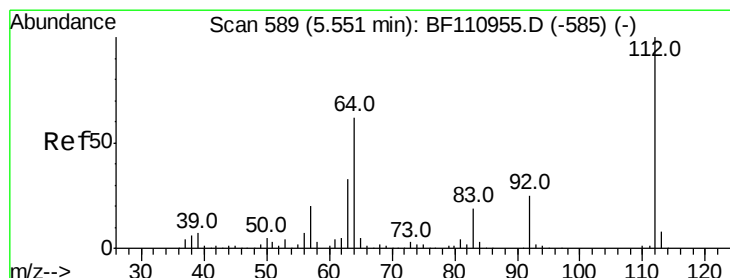
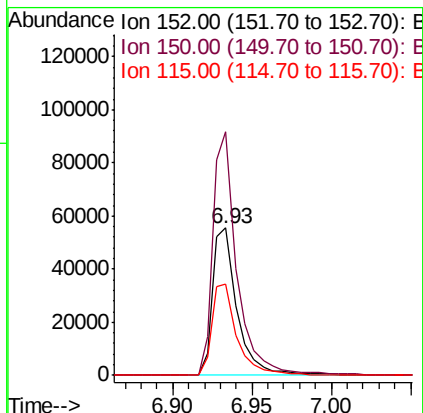
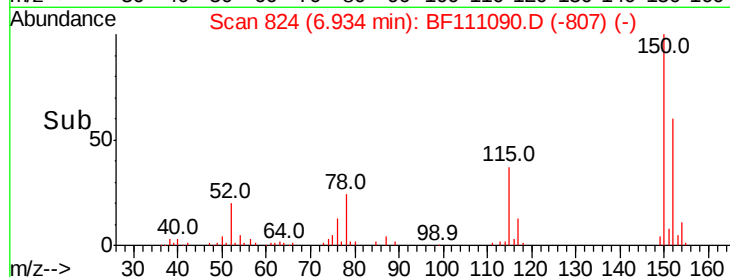
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.93 min Scan# 824  
Delta R.T. -0.00 min  
Lab File: BF111090.D  
Acq: 29 Nov 2018 14:54

Instrument :  
BNA\_F  
ClientSampleId :  
OK-01-112818

Tot Ion:152 Resp: 59941  
Ion Ratio Lower Upper  
152 100  
150 165.6 122.7 184.1  
115 61.8 49.1 73.7



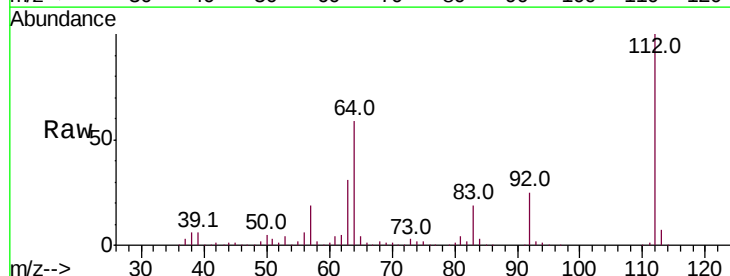
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



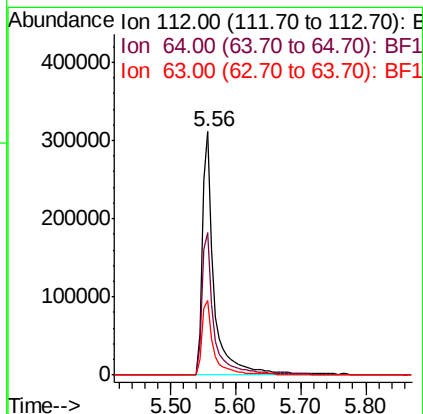
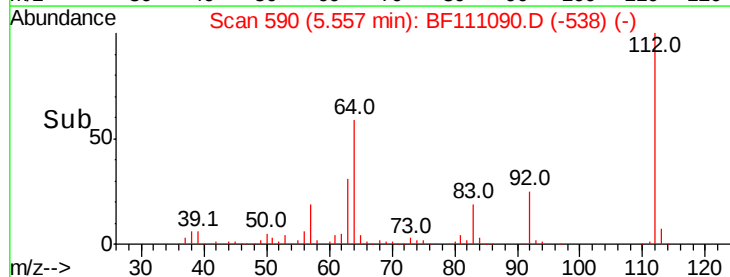
#5

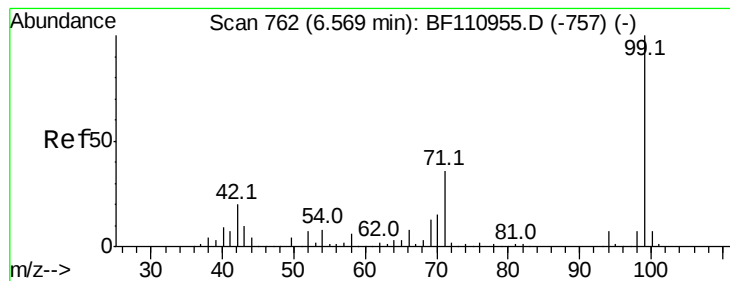
2-Fluorophenol  
Concen: 108.659 ng  
RT: 5.56 min Scan# 590  
Delta R.T. 0.01 min  
Lab File: BF111090.D  
Acq: 29 Nov 2018 14:54

Tgt Ion:112 Resp: 392755  
Ion Ratio Lower Upper  
112 100  
64 58.8 44.1 66.1  
63 30.7 23.7 35.5



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: 104.862 ng

RT: 6.56 min Scan# 761

Delta R.T. -0.01 min

Lab File: BF111090.D

Acq: 29 Nov 2018 14:54

Instrument :

BNA\_F

ClientSampleId :

OK-01-112818

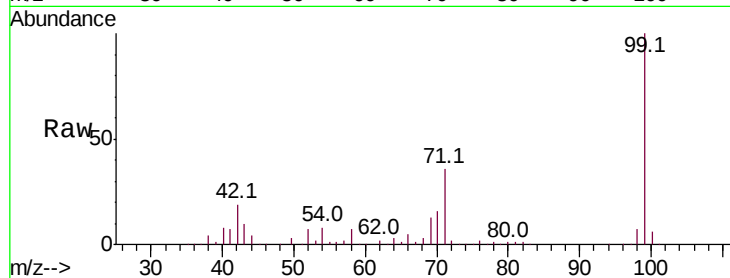
Tot Ion: 99 Resp: 493939

Ion Ratio Lower Upper

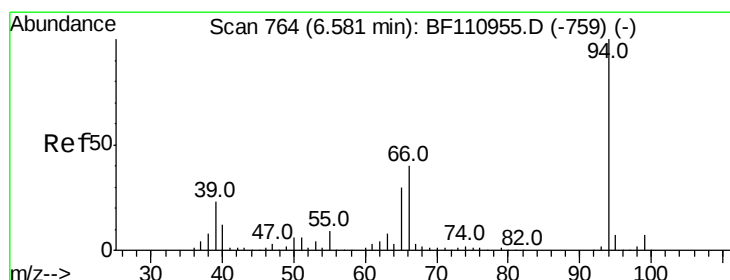
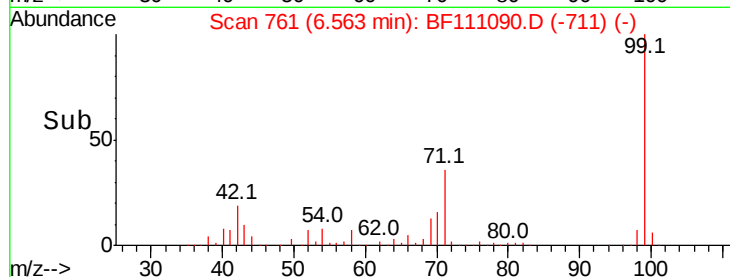
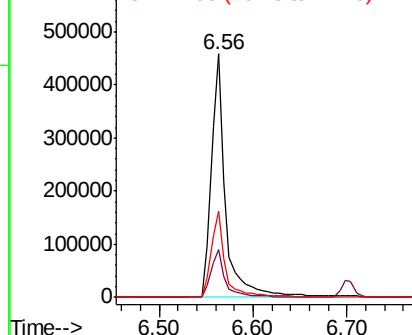
99 100

42 19.5 15.8 23.6

71 35.6 28.0 42.0



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



#10

Phenol

Concen: 7.287 ng

RT: 6.57 min Scan# 763

Delta R.T. -0.01 min

Lab File: BF111090.D

Acq: 29 Nov 2018 14:54

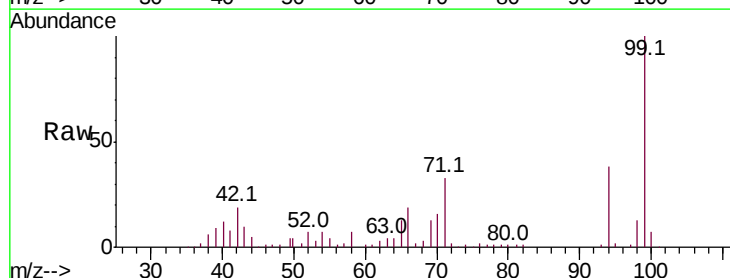
Tgt Ion: 94 Resp: 38658

Ion Ratio Lower Upper

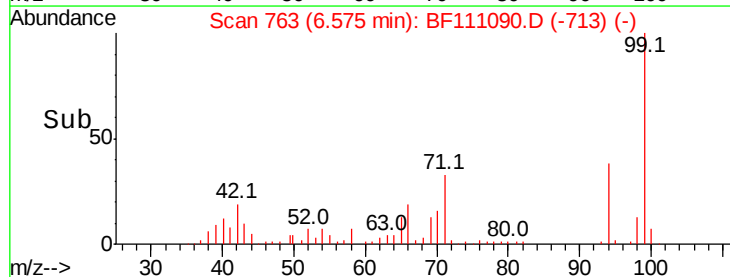
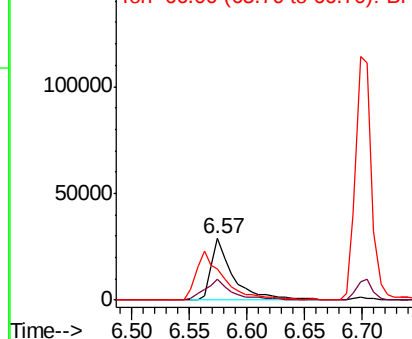
94 100

65 33.4 25.3 65.3

66 49.7 54.5 94.5#



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

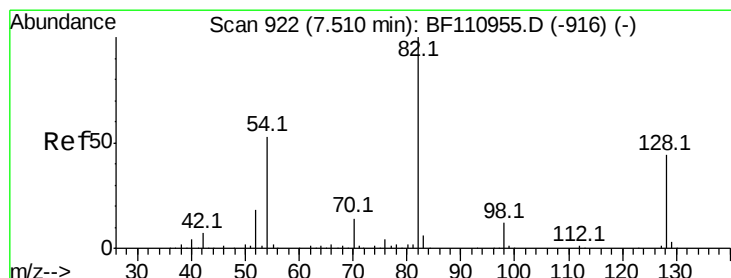
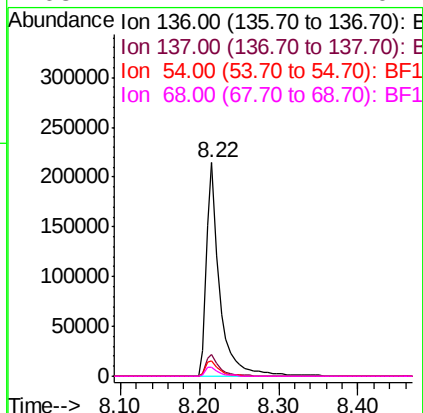
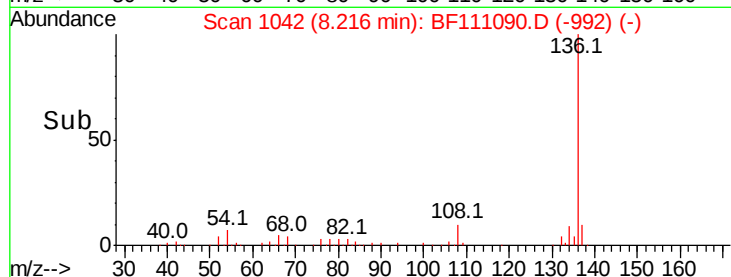
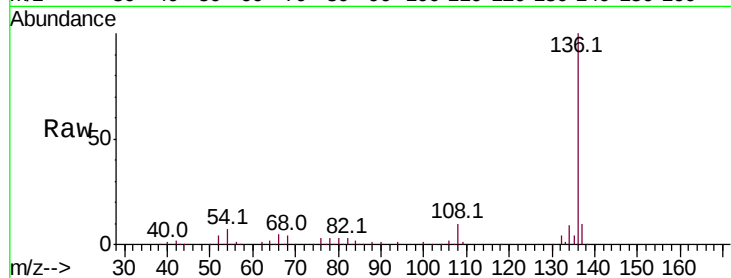




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.22 min Scan# 1042  
Delta R.T. -0.01 min  
Lab File: BF111090.D  
Acq: 29 Nov 2018 14:54

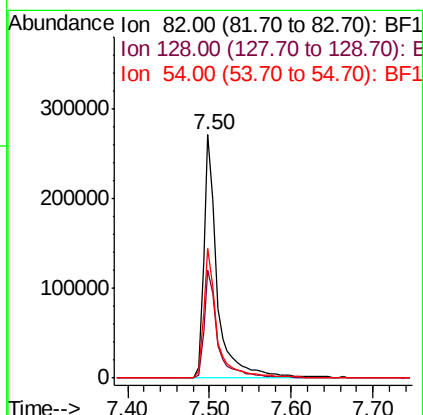
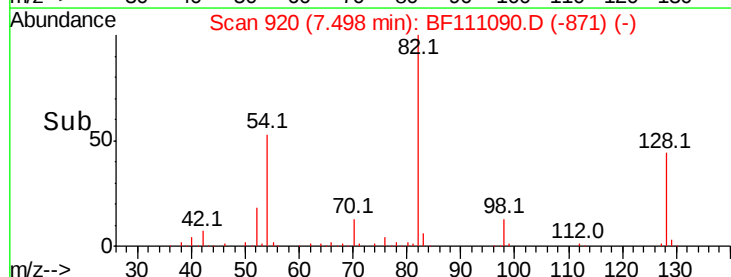
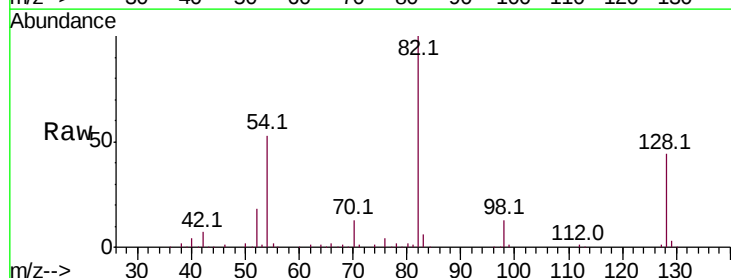
Instrument :  
BNA\_F  
ClientSampleId :  
OK-01-112818

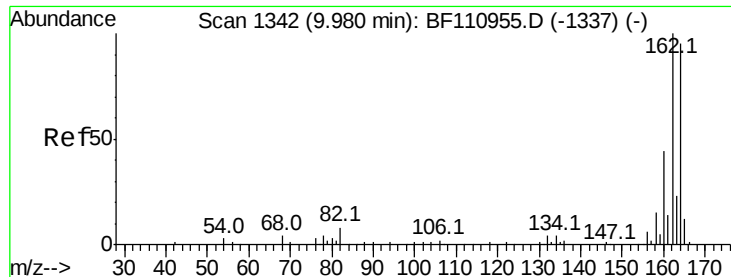
|             |       |        |
|-------------|-------|--------|
| Tot Ion:136 | Resp: | 251651 |
| Ion Ratio   | Lower | Upper  |
| 136 100     |       |        |
| 137 10.0    | 8.8   | 13.2   |
| 54 7.4      | 5.4   | 8.2    |
| 68 4.2      | 4.2   | 6.2    |



#23  
Nitrobenzene-d5  
Concen: 71.967 ng  
RT: 7.50 min Scan# 920  
Delta R.T. -0.01 min  
Lab File: BF111090.D  
Acq: 29 Nov 2018 14:54

|     |         |       |        |
|-----|---------|-------|--------|
| Tgt | Ion: 82 | Resp: | 316450 |
| Ion | Ratio   | Lower | Upper  |
| 82  | 100     |       |        |
| 128 | 44.2    | 34.2  | 51.2   |
| 54  | 53.1    | 38.6  | 58.0   |

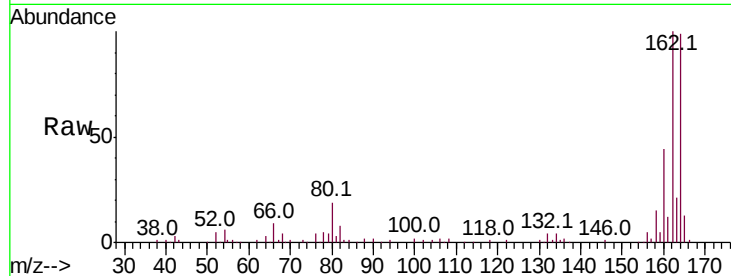




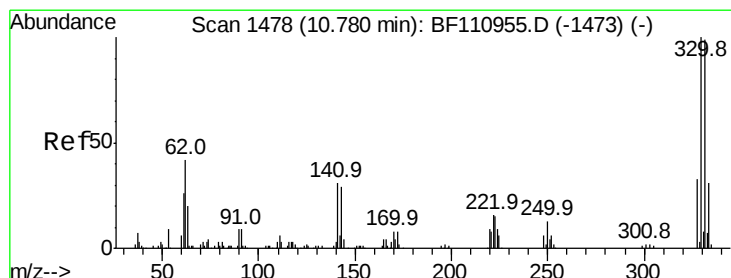
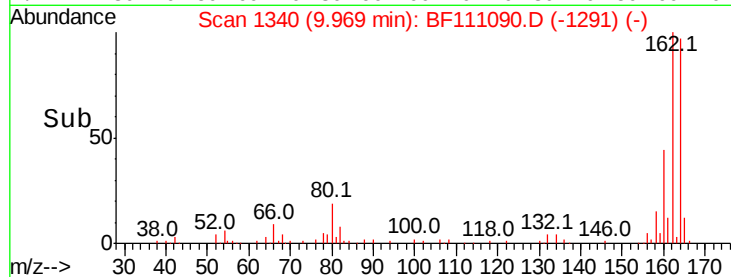
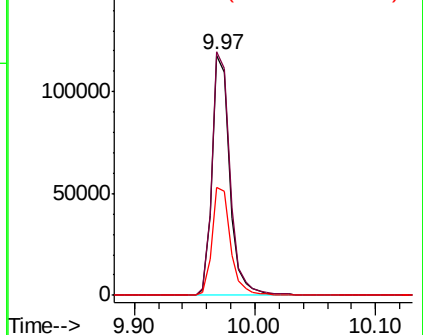
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.97 min Scan# 1340  
Delta R.T. -0.01 min  
Lab File: BF111090.D  
Acq: 29 Nov 2018 14:54

Instrument :  
BNA\_F  
ClientSampleId :  
OK-01-112818

Tot Ion:164 Resp: 118644  
Ion Ratio Lower Upper  
164 100  
162 101.3 83.0 124.6  
160 44.7 37.0 55.6

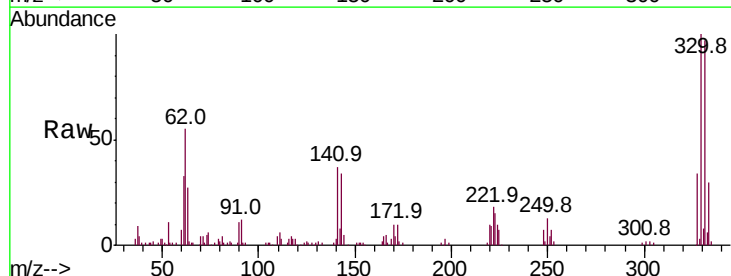


Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

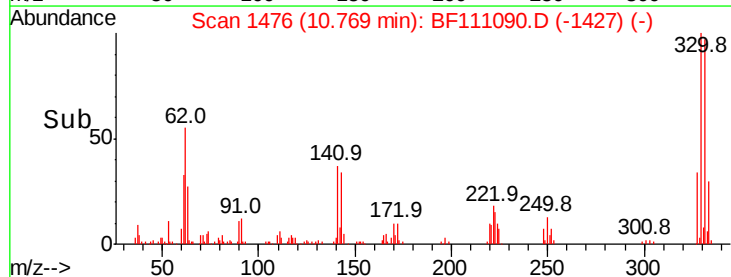
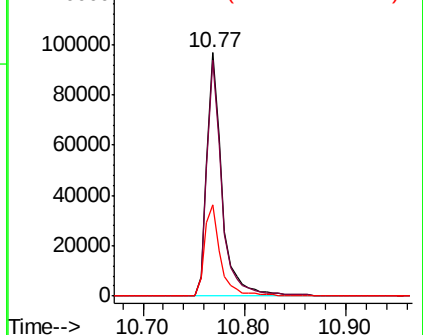


#42  
2,4,6-Tribromophenol  
Concen: 85.305 ng  
RT: 10.77 min Scan# 1476  
Delta R.T. -0.01 min  
Lab File: BF111090.D  
Acq: 29 Nov 2018 14:54

Tgt Ion:330 Resp: 100514  
Ion Ratio Lower Upper  
330 100  
332 96.3 77.1 115.7  
141 39.2 27.0 40.4



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

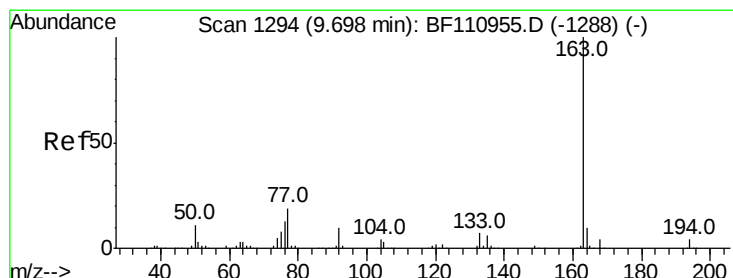
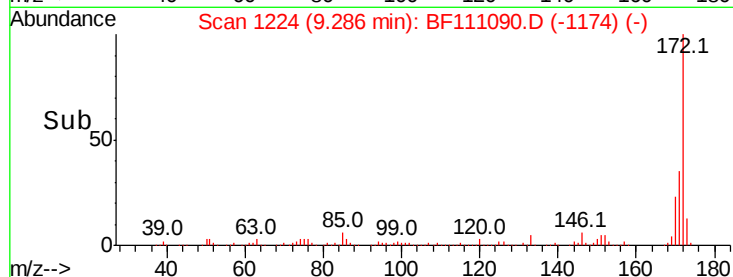
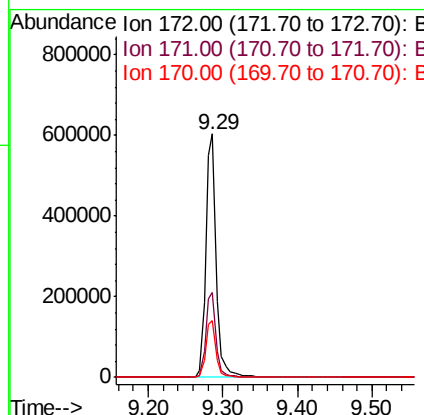
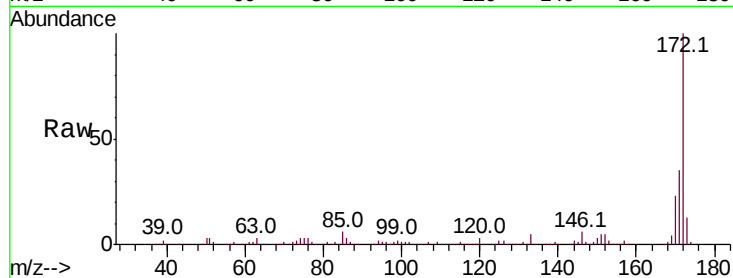




#45  
 2-Fluorobiphenyl  
 Concen: 72.558 ng  
 RT: 9.29 min Scan# 1224  
 Delta R.T. -0.01 min  
 Lab File: BF111090.D  
 Acq: 29 Nov 2018 14:54

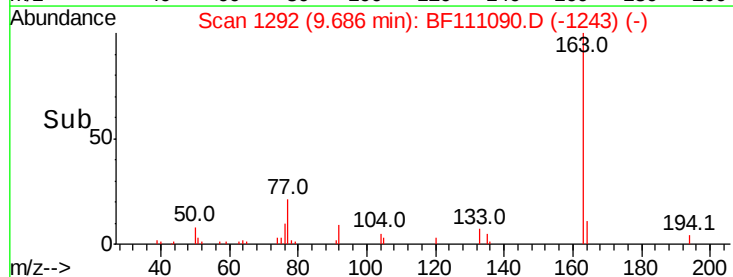
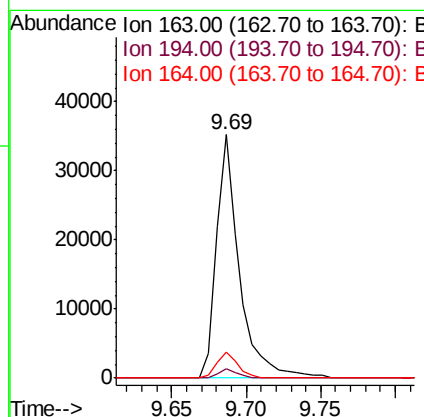
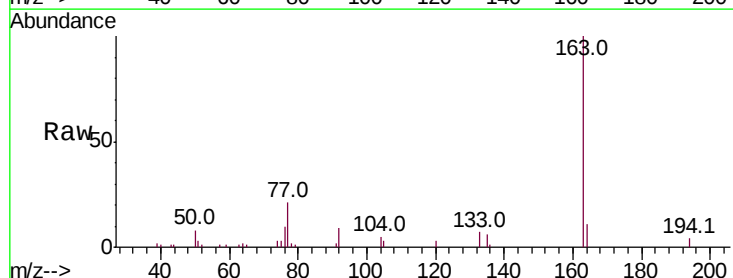
Instrument :  
 BNA\_F  
 ClientSampleId :  
 OK-01-112818

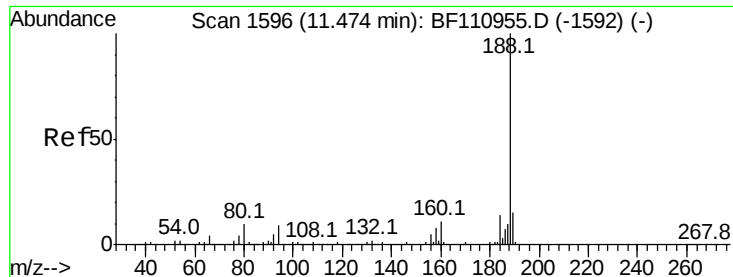
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 34.8  | 28.6  | 43.0  |
| 170     | 23.3  | 19.7  | 29.5  |



#50  
 Dimethylphthalate  
 Concen: 4.332 ng  
 RT: 9.69 min Scan# 1292  
 Delta R.T. -0.01 min  
 Lab File: BF111090.D  
 Acq: 29 Nov 2018 14:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 3.7   | 3.2   | 4.8   |
| 164     | 10.9  | 8.1   | 12.1  |

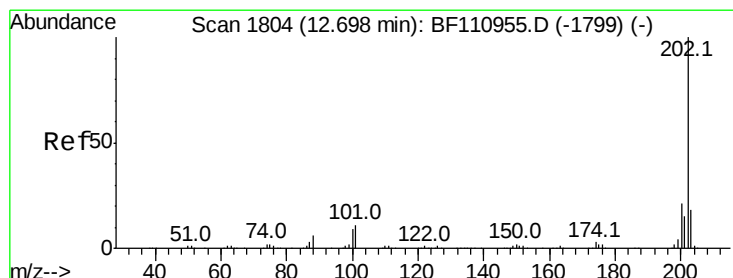
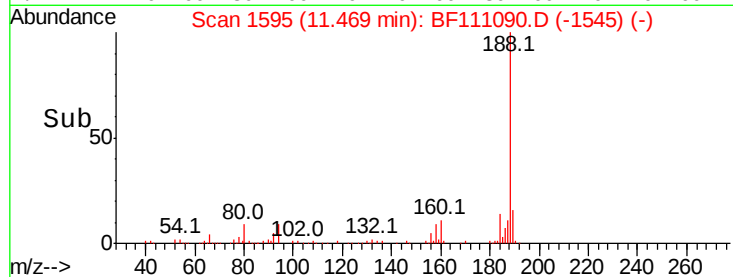
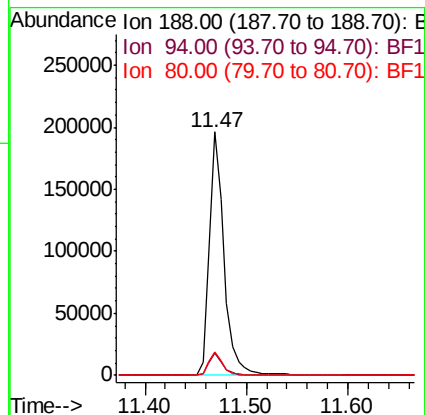
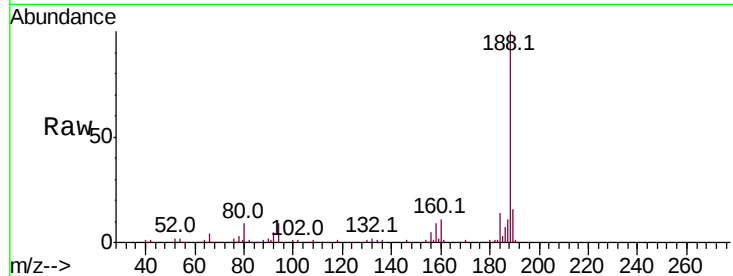




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.47 min Scan# 1595  
Delta R.T. -0.01 min  
Lab File: BF111090.D  
Acq: 29 Nov 2018 14:54

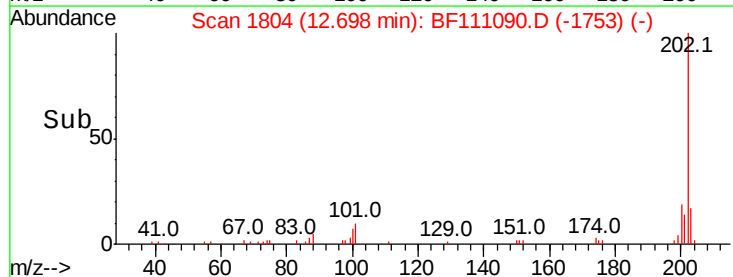
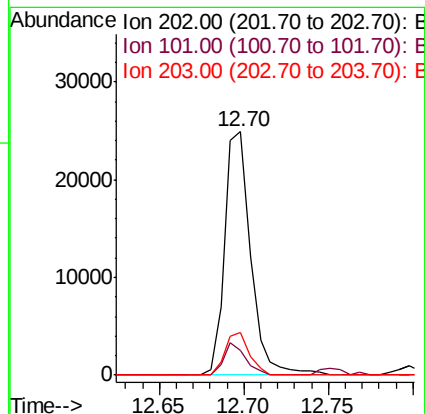
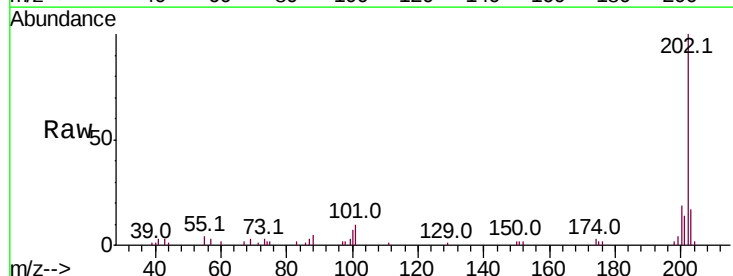
Instrument :  
BNA\_F  
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OK-01-112818

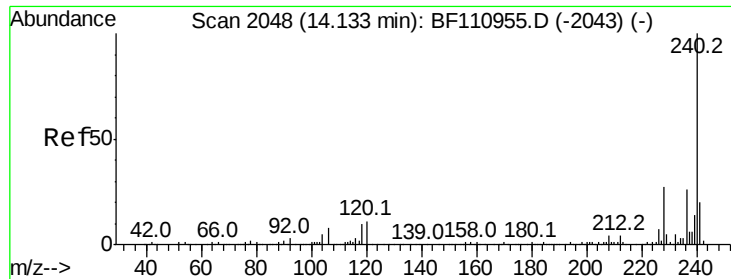
Tot Ion:188 Resp: 196054  
Ion Ratio Lower Upper  
188 100  
94 9.1 7.2 10.8  
80 9.5 7.9 11.9



#75  
Fluoranthene  
Concen: 2.518 ng  
RT: 12.70 min Scan# 1804  
Delta R.T. -0.00 min  
Lab File: BF111090.D  
Acq: 29 Nov 2018 14:54

Tgt Ion:202 Resp: 26872  
Ion Ratio Lower Upper  
202 100  
101 10.0 0.0 31.4  
203 17.3 0.0 37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.13 min Scan# 2047

Delta R.T. -0.01 min

Lab File: BF111090.D

Acq: 29 Nov 2018 14:54

Instrument :

BNA\_F

ClientSampleId :

OK-01-112818

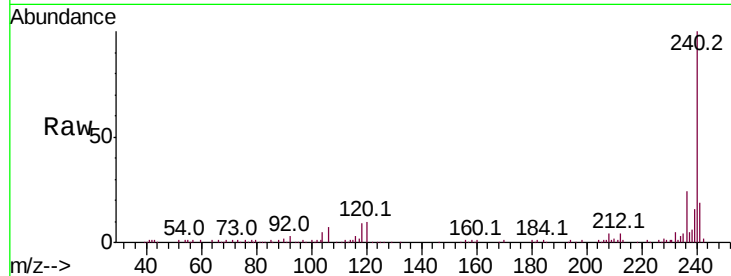
Tot Ion:240 Resp: 126182

Ion Ratio Lower Upper

240 100

120 10.0 8.3 12.5

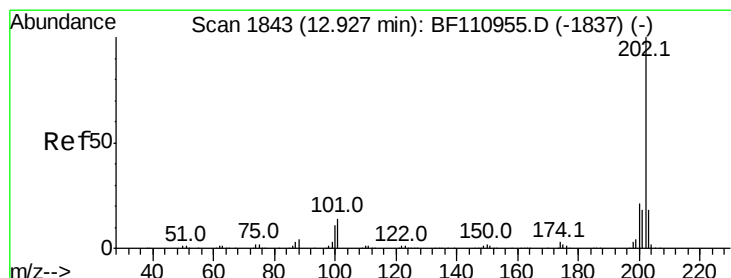
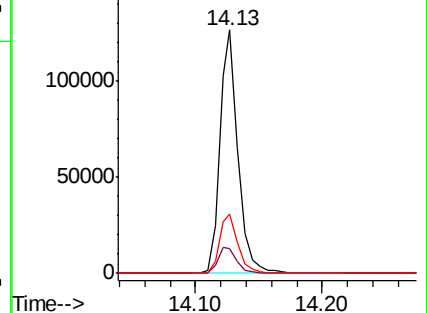
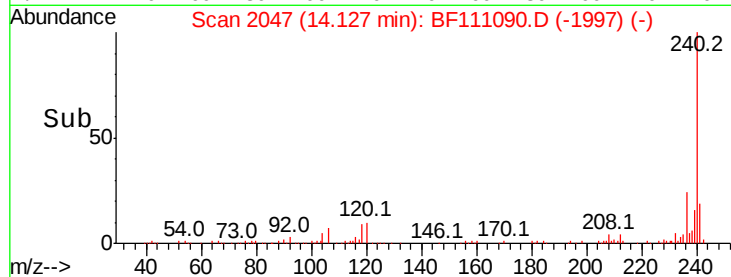
236 24.1 21.2 31.8



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



#78

Pyrene

Concen: 2.624 ng

RT: 12.93 min Scan# 1843

Delta R.T. -0.01 min

Lab File: BF111090.D

Acq: 29 Nov 2018 14:54

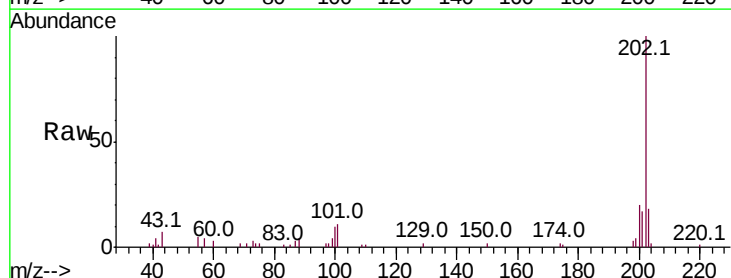
Tgt Ion:202 Resp: 24179

Ion Ratio Lower Upper

202 100

200 20.4 17.8 26.6

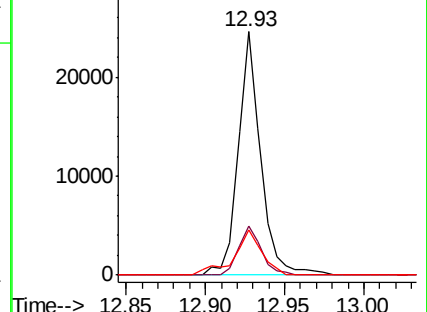
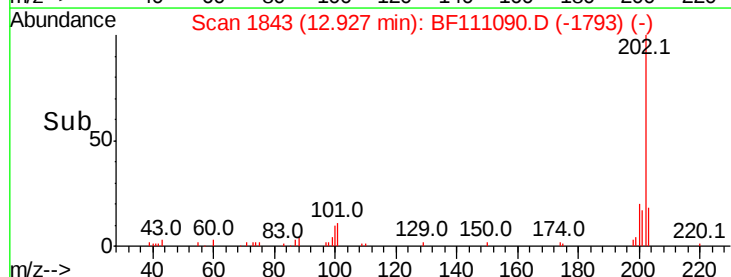
203 18.4 14.2 21.4

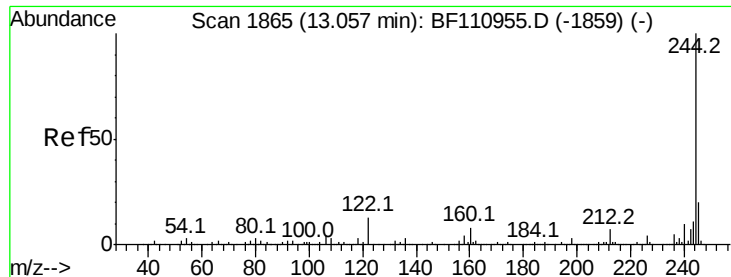


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 63.102 ng

RT: 13.04 min Scan# 1863

Delta R.T. -0.01 min

Lab File: BF111090.D

Acq: 29 Nov 2018 14:54

Instrument :

BNA\_F

ClientSampleId :

OK-01-112818

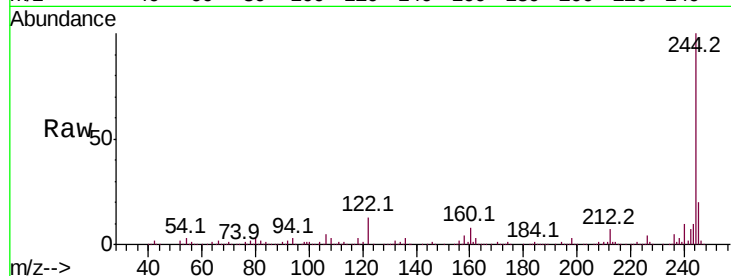
Tot Ion:244 Resp: 409031

Ion Ratio Lower Upper

244 100

212 7.1 5.8 8.8

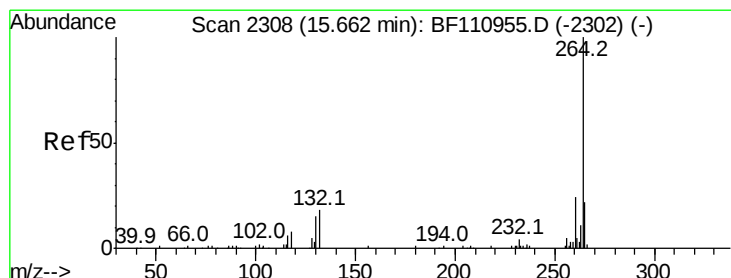
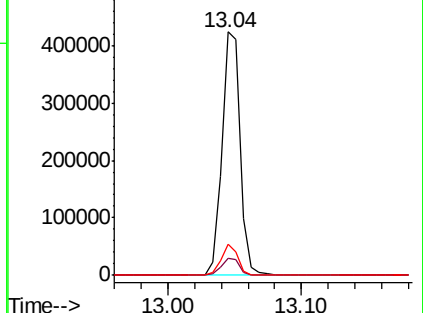
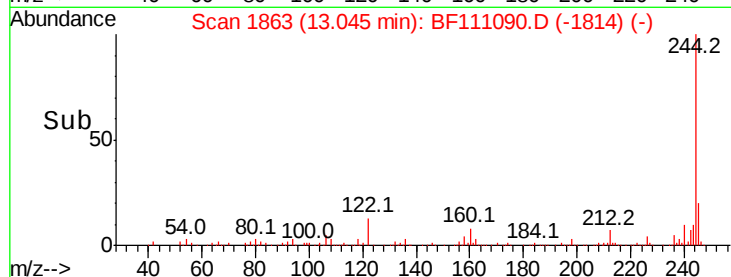
122 13.0 8.7 13.1



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: 15.66 min Scan# 2307

Delta R.T. -0.01 min

Lab File: BF111090.D

Acq: 29 Nov 2018 14:54

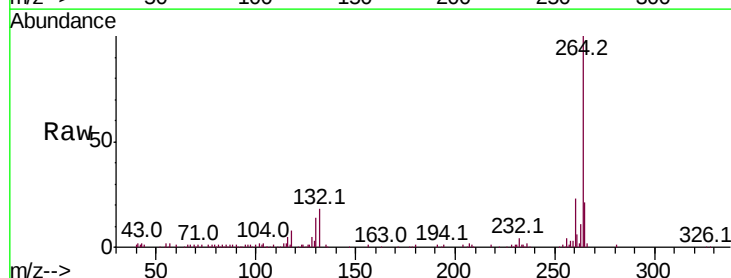
Tgt Ion:264 Resp: 128494

Ion Ratio Lower Upper

264 100

260 23.3 18.7 28.1

265 20.8 16.7 25.1



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

