

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110918\  
 Data File : BF110619.D  
 Acq On : 9 Nov 2018 11:25  
 Operator : JU/SJ  
 Sample : J5835-01 10X  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 ES-OILY-DEBRI

Quant Time: Nov 09 15:58:02 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF110818.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Nov 09 15:13:13 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.95  | 152  | 65137    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.23  | 136  | 267375   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10        | 9.99  | 164  | 106335   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10        | 11.48 | 188  | 161809   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12            | 14.13 | 240  | 137937   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12            | 15.66 | 264  | 108007   | 20.00 | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.56  | 112  | 17448    | 4.35  | ng    | 0.00     |
| 7) Phenol-d6                | 6.57  | 99   | 26548    | 5.18  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.51  | 82   | 15941    | 3.43  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.79 | 330  | 2380     | 2.22  | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.30  | 172  | 34916    | 4.69  | ng    | 0.00     |
| 79) Terphenyl-d14           | 13.06 | 244  | 25560    | 3.47  | ng    | 0.00     |

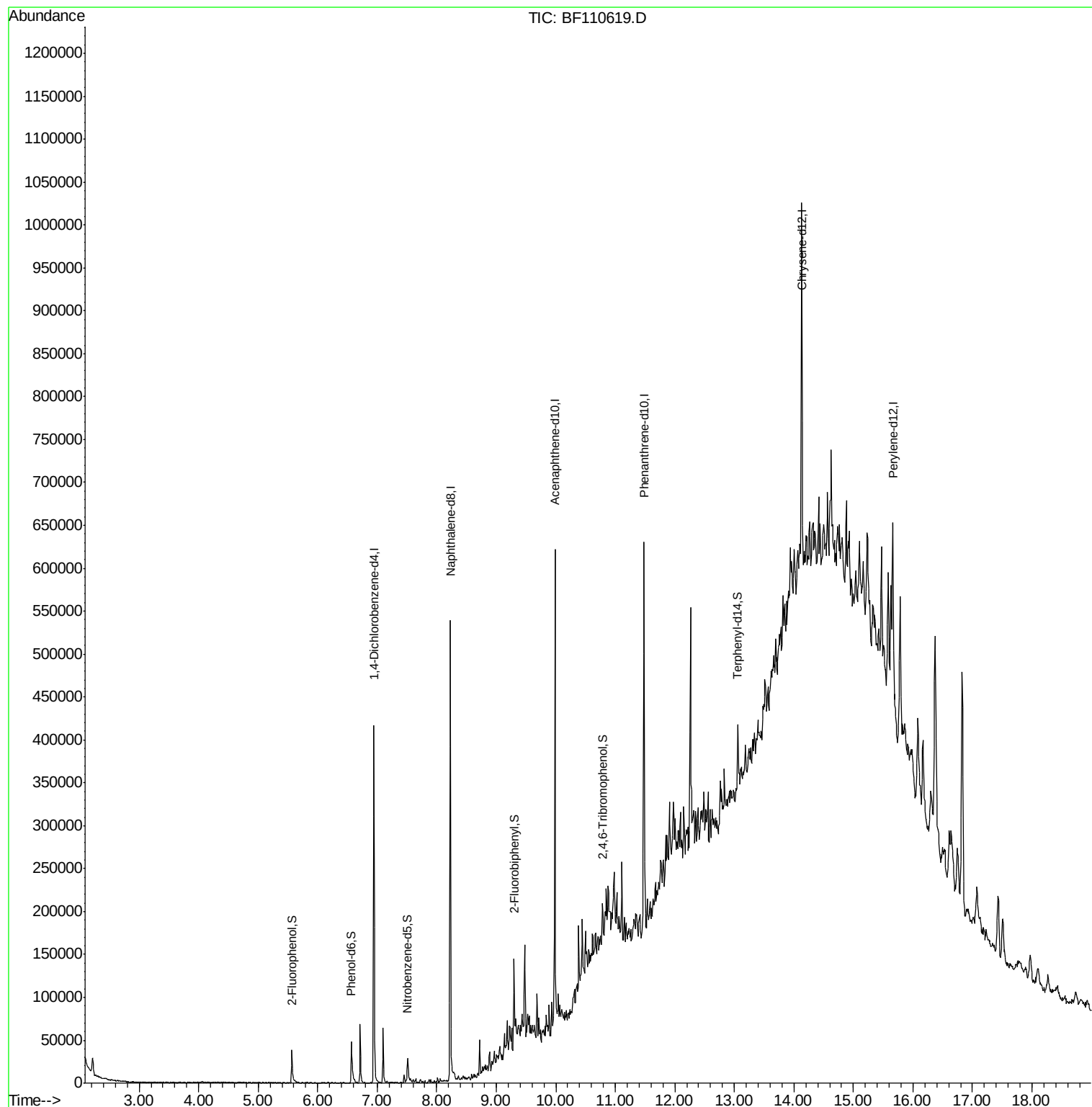
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

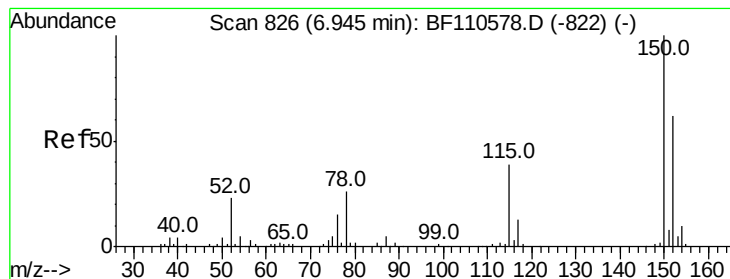
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 6 Sample Multiplier: 1

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BNA\_F  
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Response via : Initial Calibration



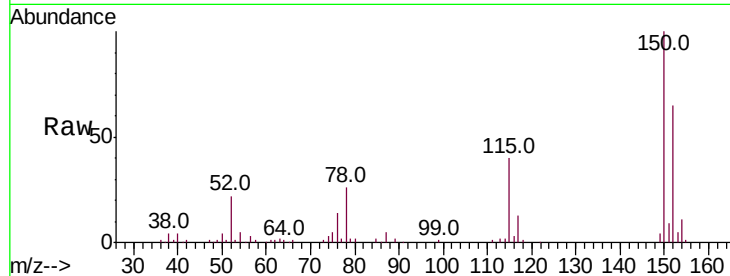


#1

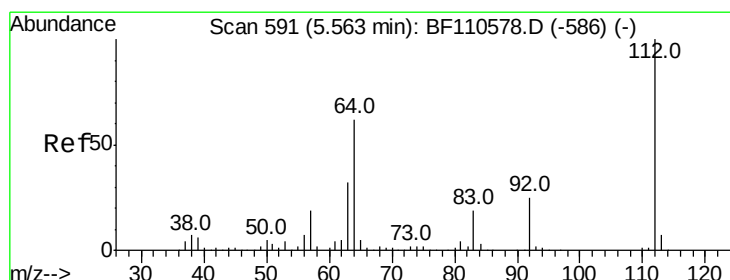
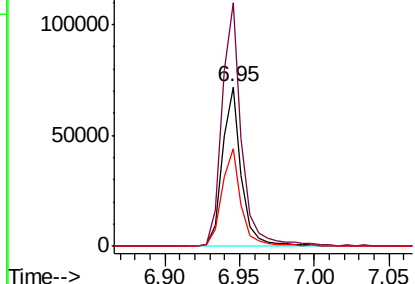
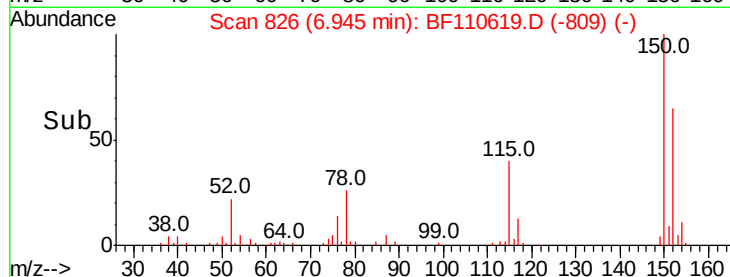
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.95 min Scan# 826  
Delta R.T. 0.00 min  
Lab File: BF110619.D  
Acq: 9 Nov 2018 11:25

Instrument :  
BNA\_F  
ClientSampleId :  
ES-OILY-DEBRI

Tot Ion:152 Resp: 65137  
Ion Ratio Lower Upper  
152 100  
150 152.7 122.7 184.1  
115 61.0 49.1 73.7



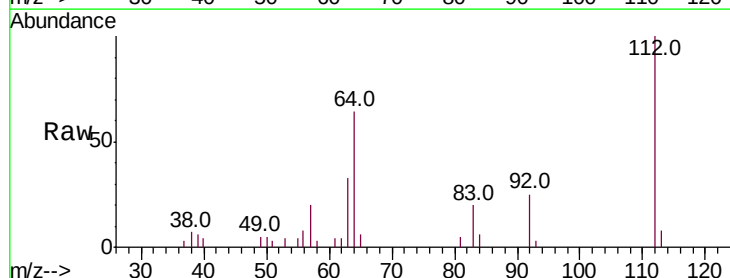
Abundance Ion 152.00 (151.70 to 152.70): E  
150000 Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



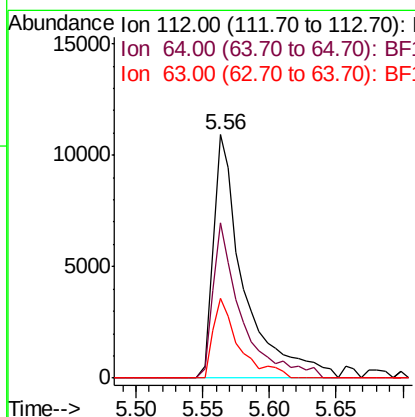
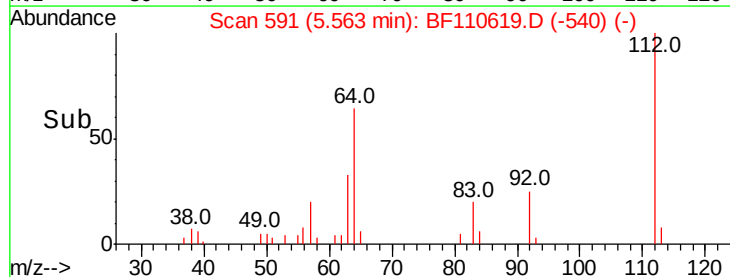
#5

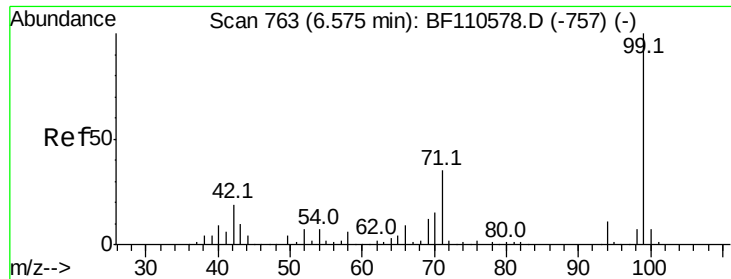
2-Fluorophenol  
Concen: 4.351 ng  
RT: 5.56 min Scan# 591  
Delta R.T. 0.00 min  
Lab File: BF110619.D  
Acq: 9 Nov 2018 11:25

Tgt Ion:112 Resp: 17448  
Ion Ratio Lower Upper  
112 100  
64 63.9 44.1 66.1  
63 32.8 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E  
15000 Ion 64.00 (63.70 to 64.70): BF1  
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 5.177 ng

RT: 6.57 min Scan# 762

Delta R.T. -0.01 min

Lab File: BF110619.D

Acq: 9 Nov 2018 11:25

Instrument :

BNA\_F

ClientSampleId :

ES-OILY-DEBRI

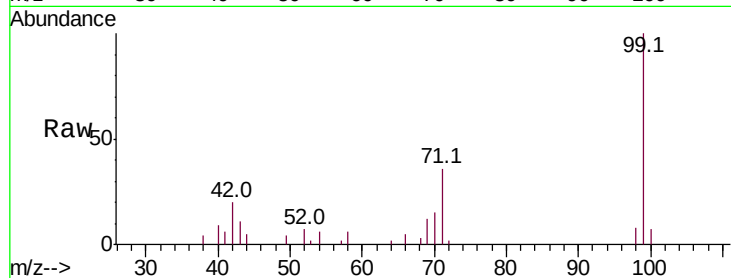
Tot Ion: 99 Resp: 26548

Ion Ratio Lower Upper

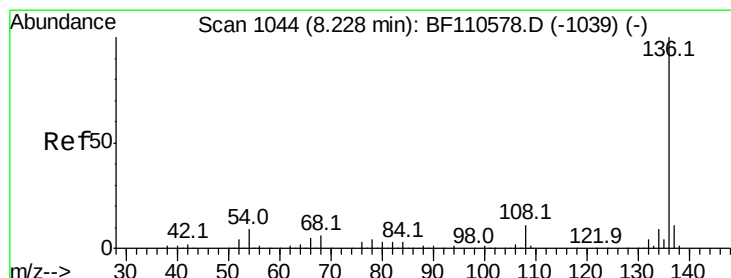
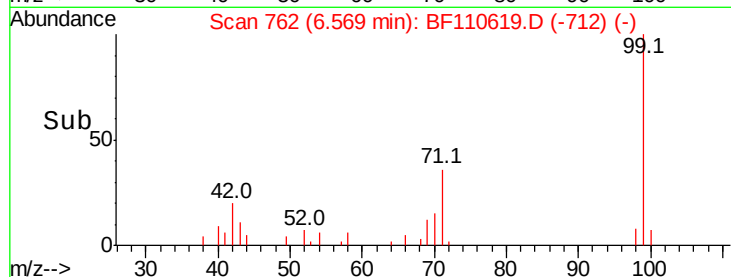
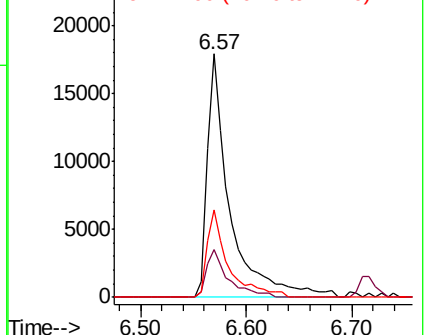
99 100

42 19.6 15.8 23.6

71 35.9 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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.23 min Scan# 1044

Delta R.T. 0.00 min

Lab File: BF110619.D

Acq: 9 Nov 2018 11:25

Tgt Ion: 136 Resp: 267375

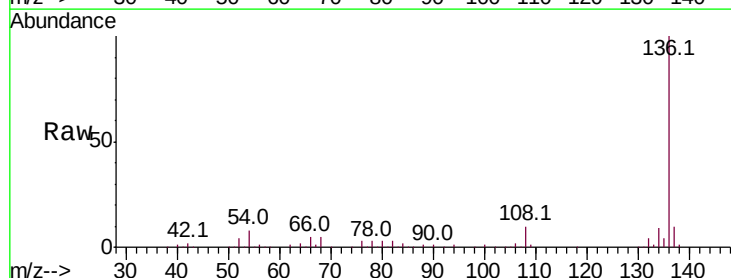
Ion Ratio Lower Upper

136 100

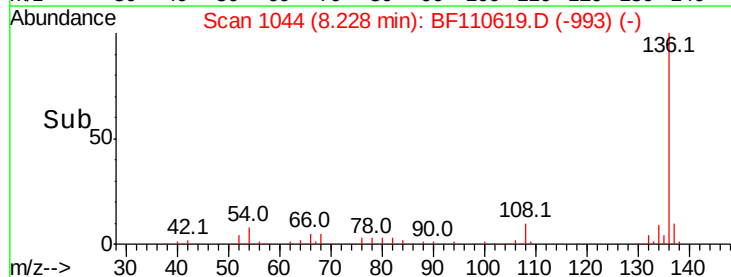
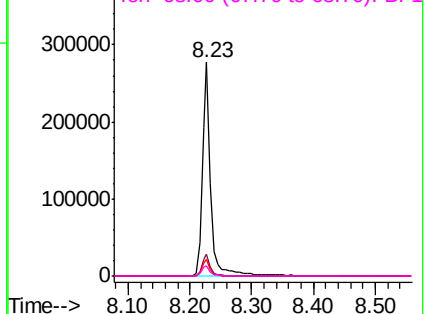
137 10.3 8.8 13.2

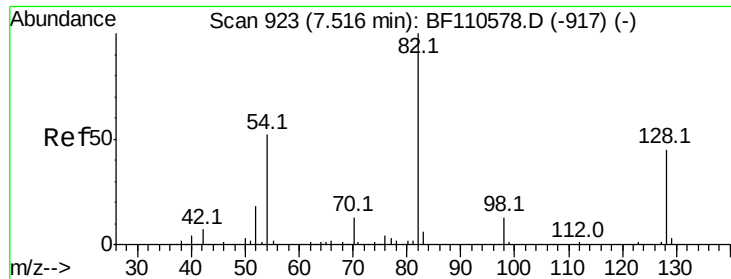
54 7.6 5.4 8.2

68 4.8 4.2 6.2



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

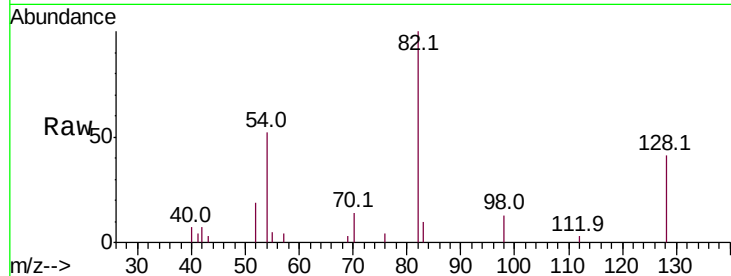




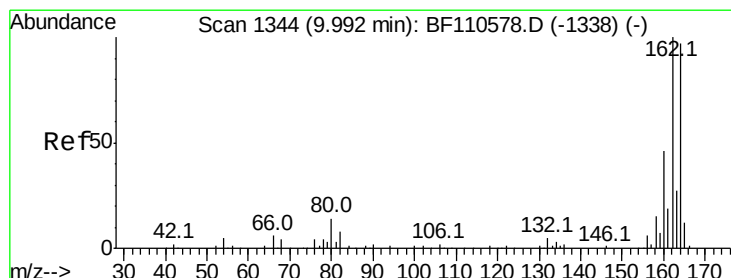
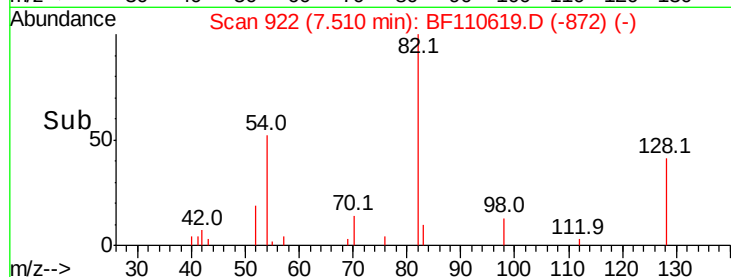
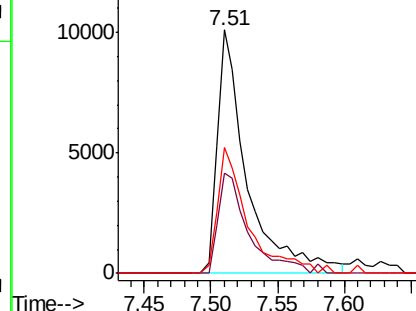
#23  
Nitrobenzene-d5  
Concen: 3.434 ng  
RT: 7.51 min Scan# 922  
Delta R.T. -0.01 min  
Lab File: BF110619.D  
Acq: 9 Nov 2018 11:25

Instrument :  
BNA\_F  
ClientSampleId :  
ES-OILY-DEBRI

Tot Ion: 82 Resp: 15941  
Ion Ratio Lower Upper  
82 100  
128 41.1 34.2 51.2  
54 51.7 38.6 58.0

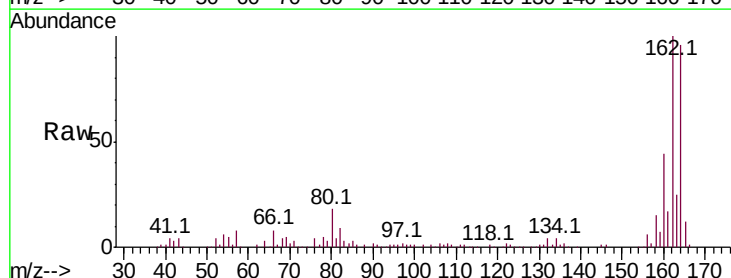


Abundance Ion 82.00 (81.70 to 82.70): BF1  
Ion 128.00 (127.70 to 128.70): E  
Ion 54.00 (53.70 to 54.70): BF1

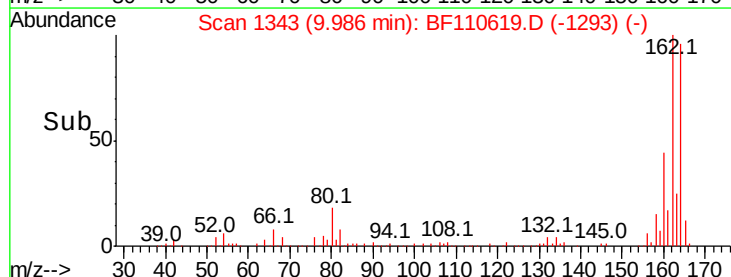
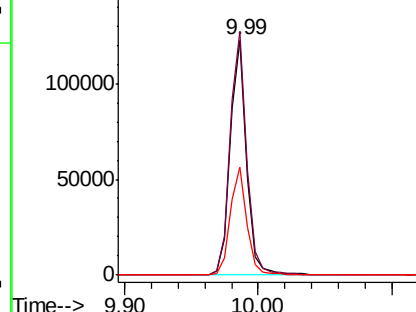


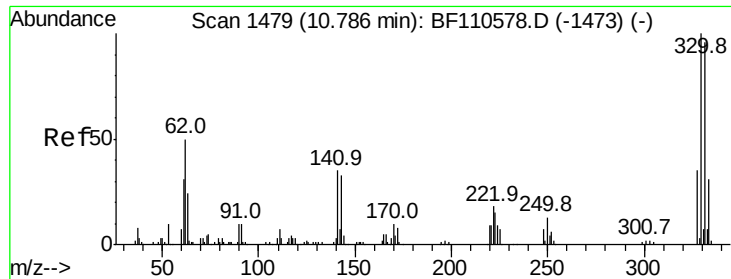
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.99 min Scan# 1343  
Delta R.T. -0.01 min  
Lab File: BF110619.D  
Acq: 9 Nov 2018 11:25

Tgt Ion:164 Resp: 106335  
Ion Ratio Lower Upper  
164 100  
162 103.7 83.0 124.6  
160 45.9 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

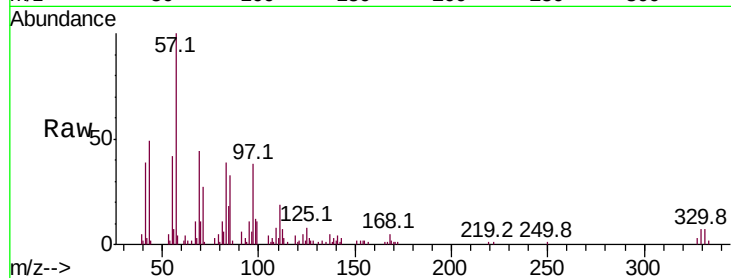




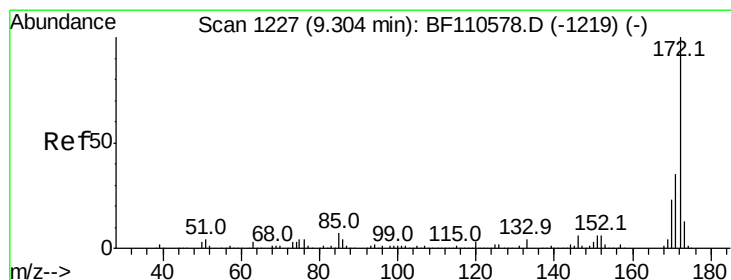
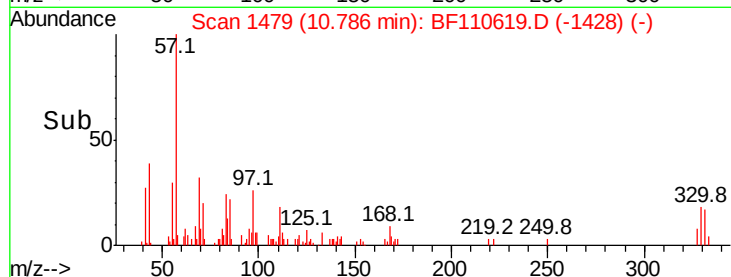
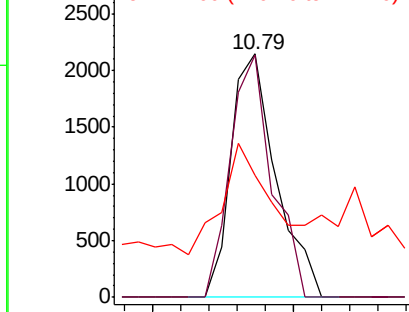
#42  
 2,4,6-Tribromophenol  
 Concen: 2.221 ng  
 RT: 10.79 min Scan# 1479  
 Delta R.T. 0.00 min  
 Lab File: BF110619.D  
 Acq: 9 Nov 2018 11:25

Instrument :  
 BNA\_F  
 ClientSampleId :  
 ES-OILY-DEBRI

Tot Ion:330 Resp: 2380  
 Ion Ratio Lower Upper  
 330 100  
 332 92.1 77.1 115.7  
 141 48.5 27.0 40.4#

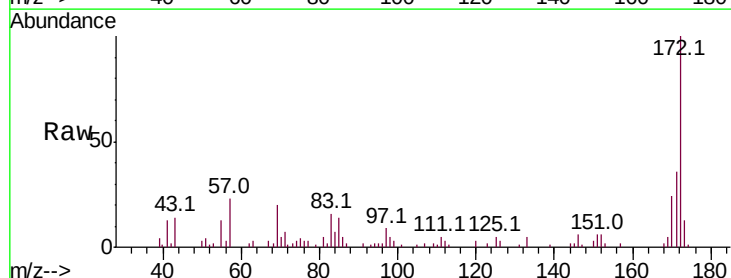


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

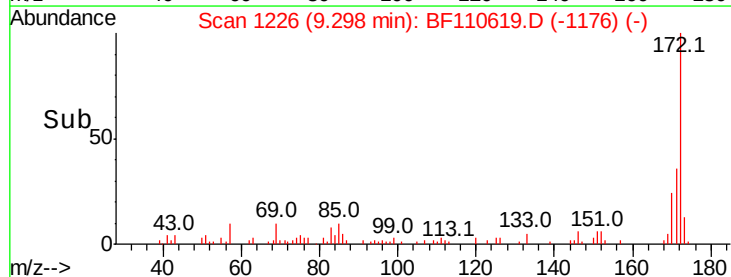
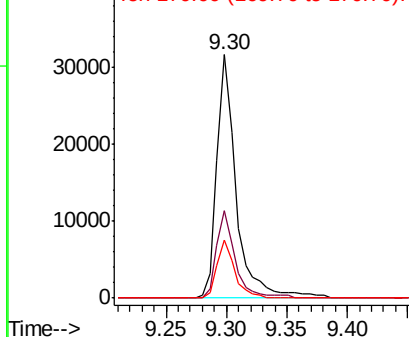


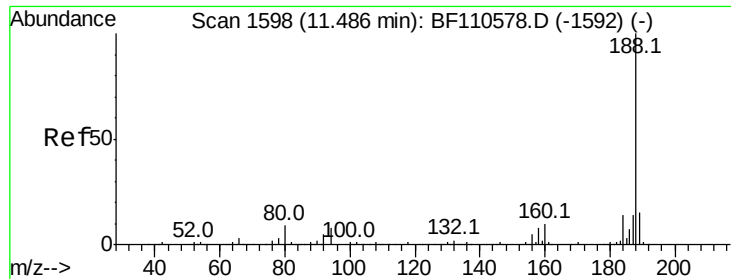
#45  
 2-Fluorobiphenyl  
 Concen: 4.690 ng  
 RT: 9.30 min Scan# 1226  
 Delta R.T. -0.01 min  
 Lab File: BF110619.D  
 Acq: 9 Nov 2018 11:25

Tgt Ion:172 Resp: 34916  
 Ion Ratio Lower Upper  
 172 100  
 171 36.0 28.6 43.0  
 170 23.7 19.7 29.5



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

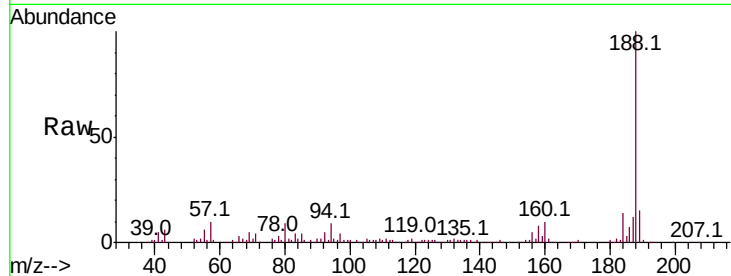




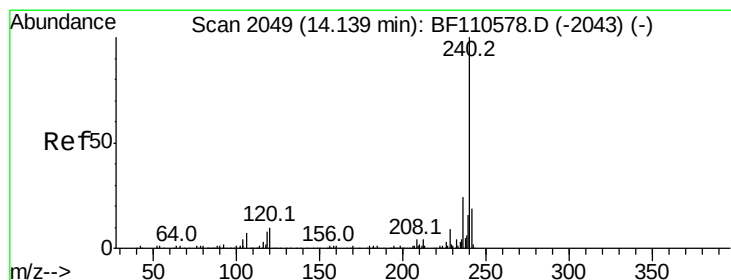
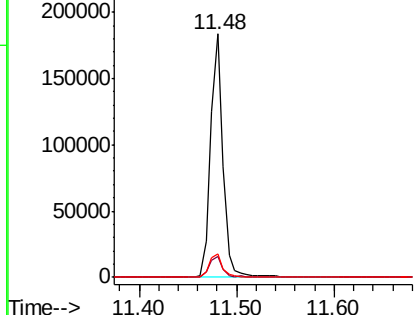
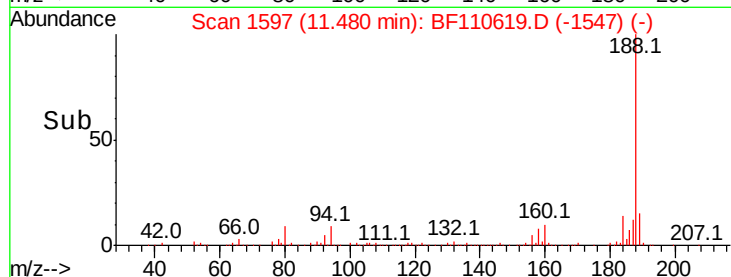
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.48 min Scan# 1597  
Delta R.T. -0.01 min  
Lab File: BF110619.D  
Acq: 9 Nov 2018 11:25

Instrument :  
BNA\_F  
ClientSampleId :  
ES-OILY-DEBRI

Tot Ion:188 Resp: 161809  
Ion Ratio Lower Upper  
188 100  
94 8.6 7.2 10.8  
80 9.4 7.9 11.9

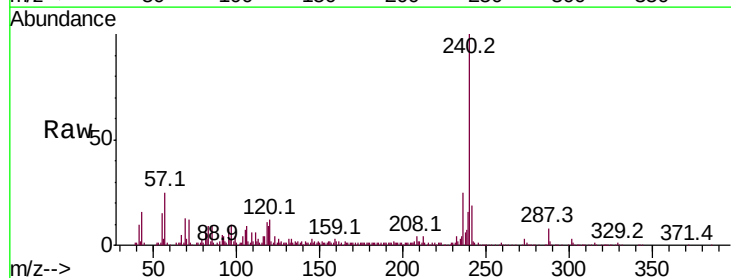


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF1  
Ion 80.00 (79.70 to 80.70): BF1

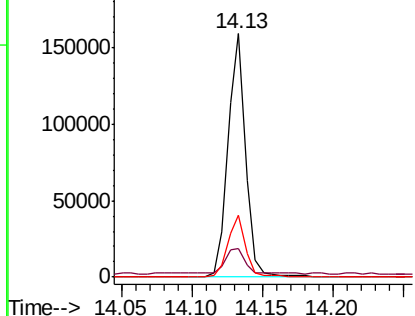
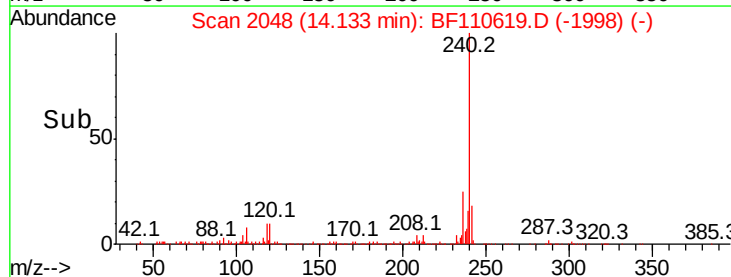


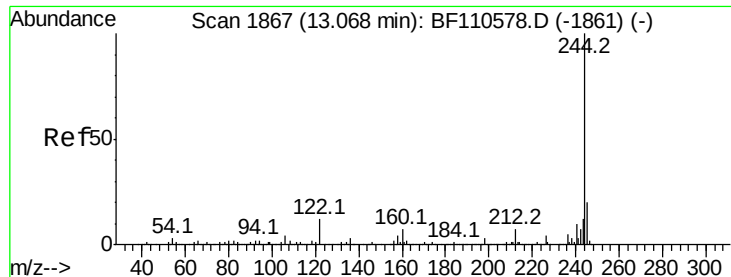
#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.13 min Scan# 2048  
Delta R.T. -0.01 min  
Lab File: BF110619.D  
Acq: 9 Nov 2018 11:25

Tgt Ion:240 Resp: 137937  
Ion Ratio Lower Upper  
240 100  
120 11.6 8.3 12.5  
236 25.3 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





#79

Terphenyl-d14

Concen: 3.470 ng

RT: 13.06 min Scan# 1866

Delta R.T. -0.01 min

Lab File: BF110619.D

Acq: 9 Nov 2018 11:25

Instrument :

BNA\_F

ClientSampleId :

ES-OILY-DEBRI

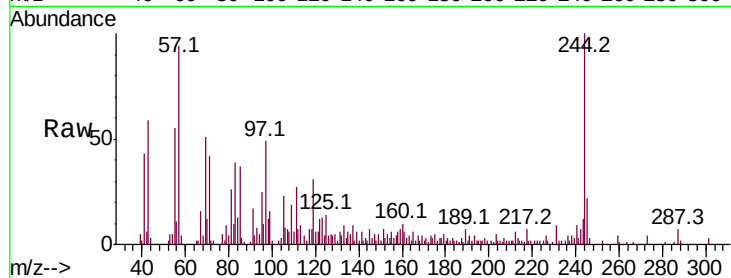
Tot Ion:244 Resp: 25560

Ion Ratio Lower Upper

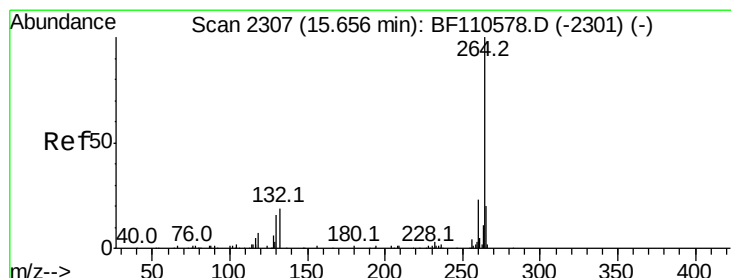
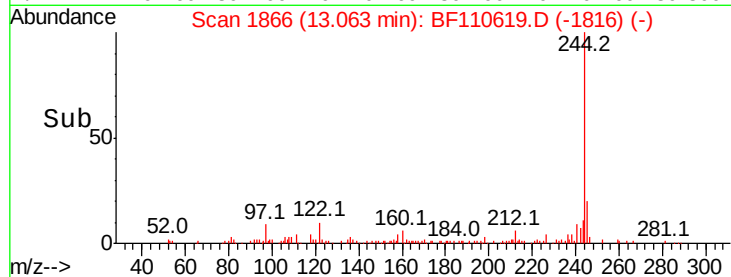
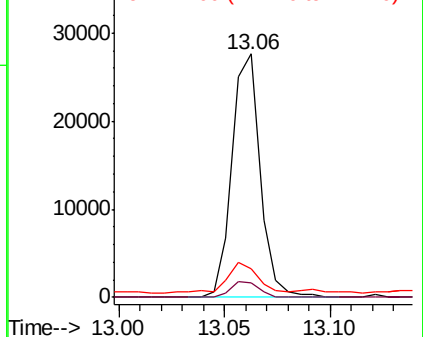
244 100

212 6.0 5.8 8.8

122 11.7 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# 2308

Delta R.T. 0.01 min

Lab File: BF110619.D

Acq: 9 Nov 2018 11:25

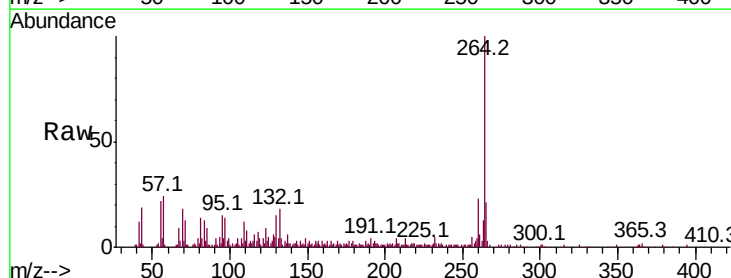
Tgt Ion:264 Resp: 108007

Ion Ratio Lower Upper

264 100

260 23.0 18.7 28.1

265 20.9 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

