

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF071519\  
 Data File : BF115553.D  
 Acq On : 15 Jul 2019 9:27  
 Operator : HP/JU  
 Sample : PB121250BL  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB121250BL

Quant Time: Jul 16 02:35:23 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF071219.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jul 12 14:03:52 2019  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.88  | 152  | 352216   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.16  | 136  | 1378420  | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10        | 9.92  | 164  | 705869   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10        | 11.40 | 188  | 1316309  | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12            | 14.04 | 240  | 898946   | 20.00 | ng    | -0.01    |
| 87) Perylene-d12            | 15.51 | 264  | 772226   | 20.00 | ng    | -0.01    |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.52  | 112  | 1384154  | 64.28 | ng    | 0.01     |
| 7) Phenol-d6                | 6.52  | 99   | 1800340  | 65.89 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.44  | 82   | 1169018  | 49.31 | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol    | 10.71 | 330  | 557979   | 67.72 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.24  | 172  | 2121121  | 52.60 | ng    | -0.01    |
| 79) Terphenyl-d14           | 12.99 | 244  | 2289132  | 46.99 | ng    | 0.00     |

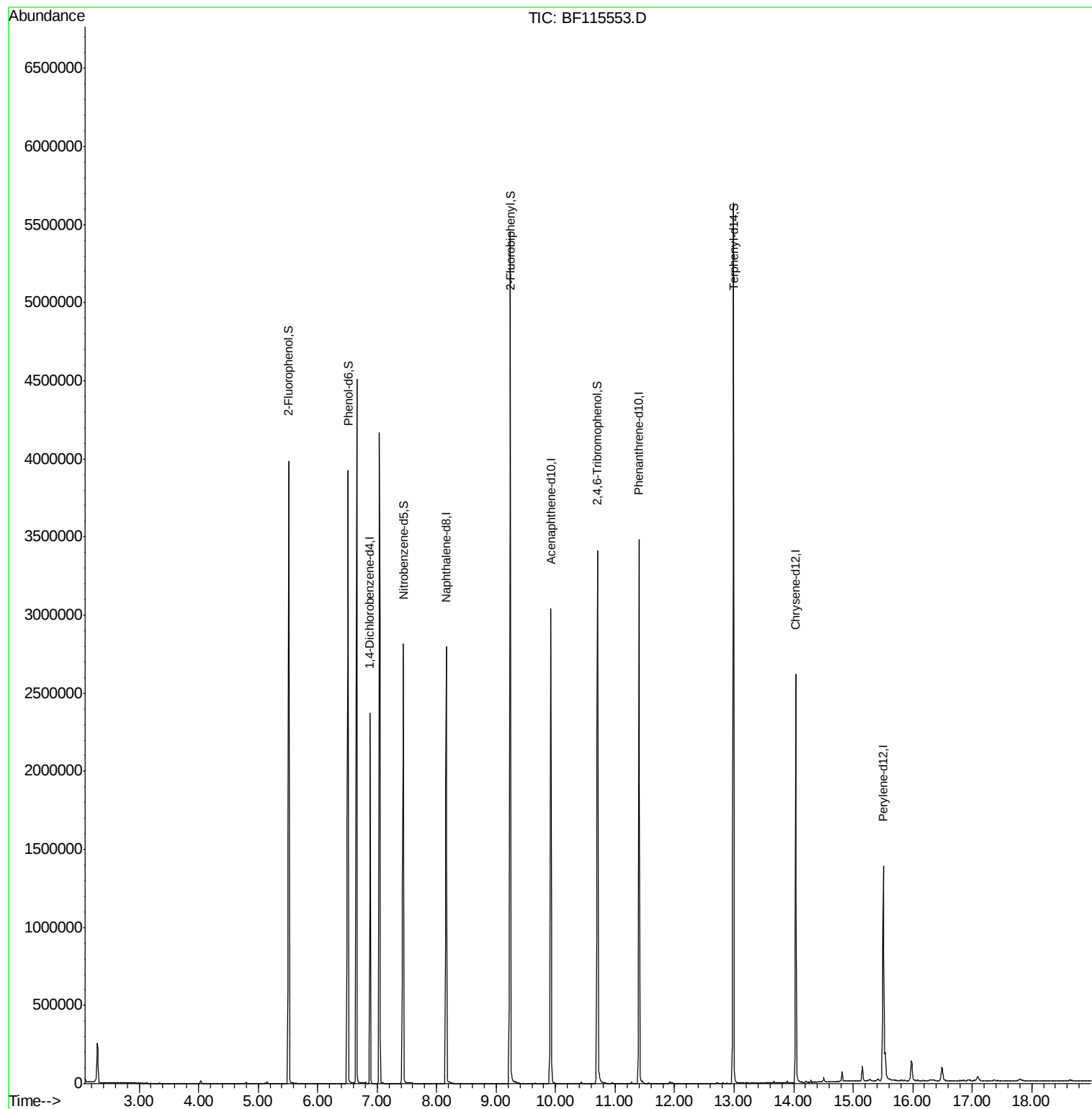
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

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

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF071519\  
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BNA\_F  
ClientSampleId :  
PB121250BL

Quant Time: Jul 16 02:35:23 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF071219.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Jul 12 14:03:52 2019  
Response via : Initial Calibration



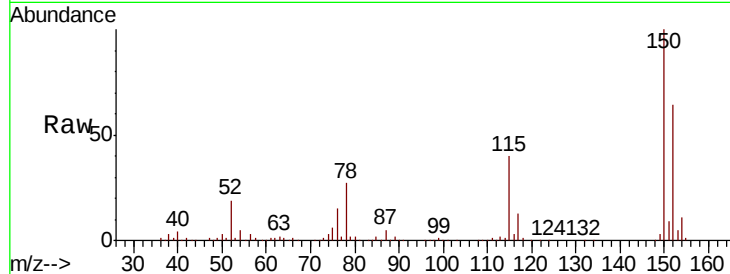


#1

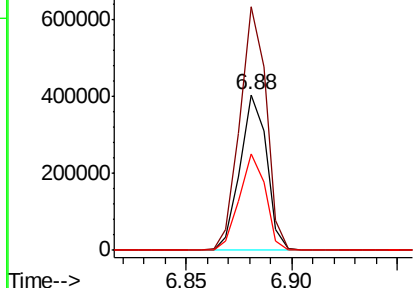
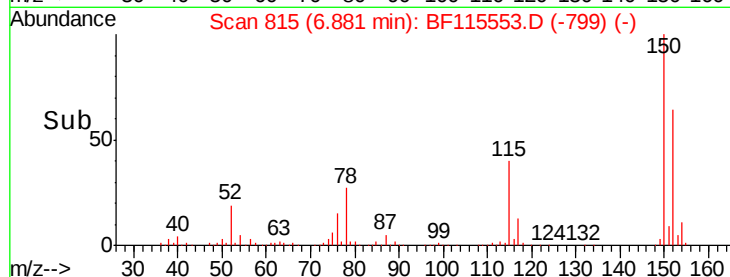
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.88 min Scan# 815  
Delta R.T. -0.01 min  
Lab File: BF115553.D  
Acq: 15 Jul 2019 9:27

Instrument :  
BNA\_F  
ClientSampleId :  
PB121250BL

Tgt Ion:152 Resp: 352216  
Ion Ratio Lower Upper  
152 100  
150 156.2 129.7 194.5  
115 62.0 48.2 72.4



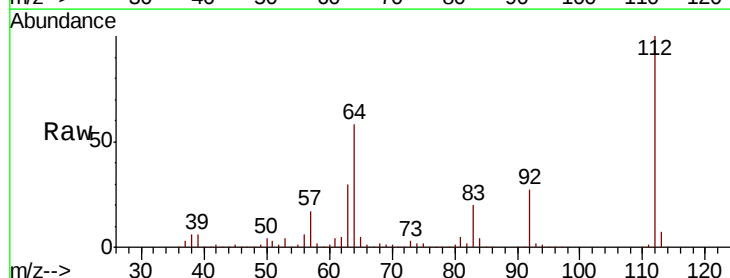
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



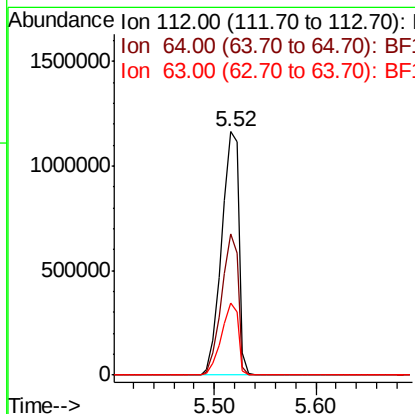
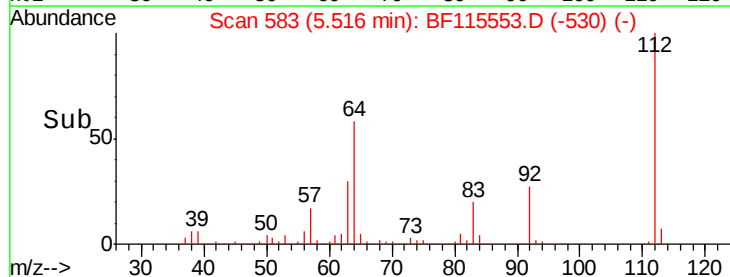
#5

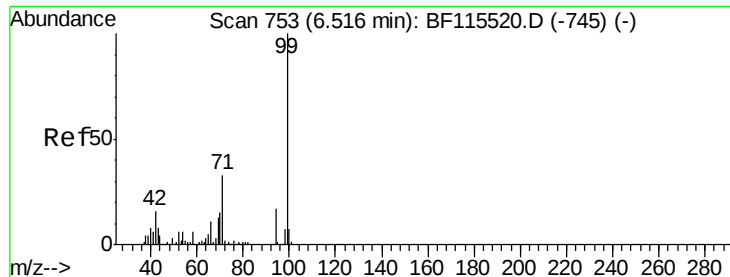
2-Fluorophenol  
Concen: 64.281 ng  
RT: 5.52 min Scan# 583  
Delta R.T. 0.01 min  
Lab File: BF115553.D  
Acq: 15 Jul 2019 9:27

Tgt Ion:112 Resp: 1384154  
Ion Ratio Lower Upper  
112 100  
64 57.8 46.8 70.2  
63 29.8 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: 65.892 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.00 min

Lab File: BF115553.D

Acq: 15 Jul 2019 9:27

Instrument :

BNA\_F

ClientSampleId :

PB121250BL

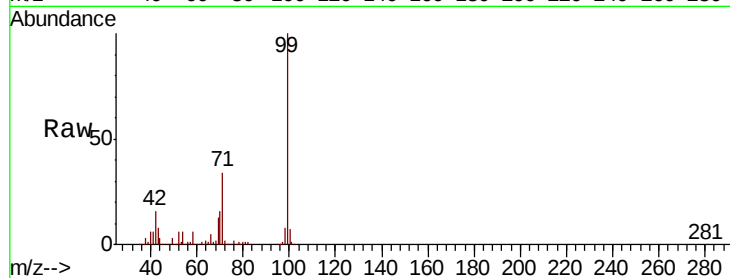
Tgt Ion: 99 Resp: 1800340

Ion Ratio Lower Upper

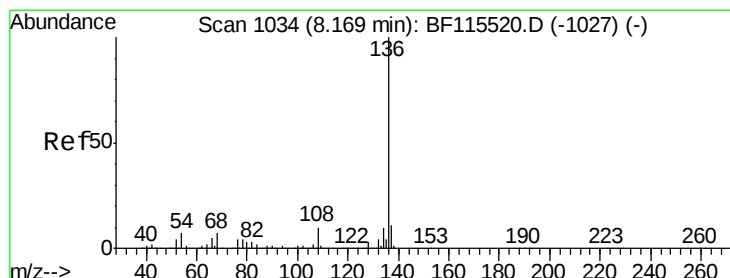
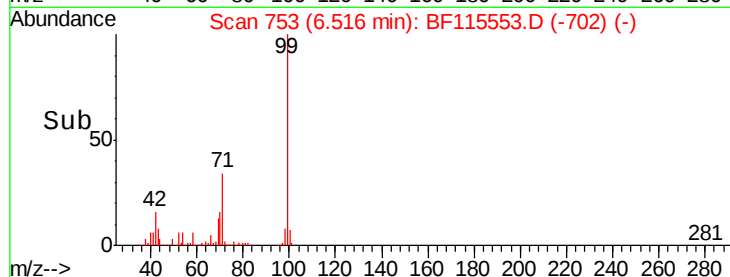
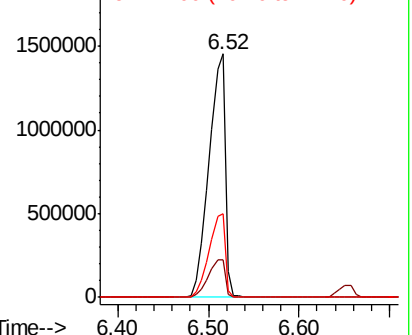
99 100

42 15.5 13.6 20.4

71 34.3 28.5 42.7



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: 8.16 min Scan# 1033

Delta R.T. -0.01 min

Lab File: BF115553.D

Acq: 15 Jul 2019 9:27

Tgt Ion: 136 Resp: 1378420

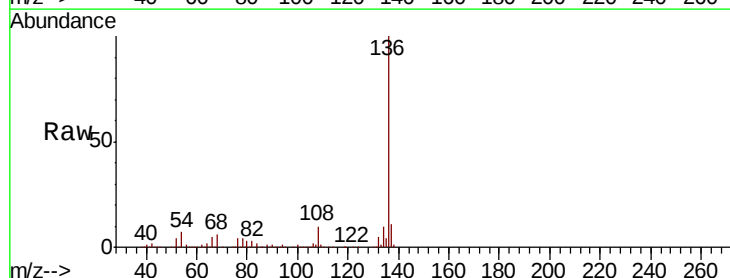
Ion Ratio Lower Upper

136 100

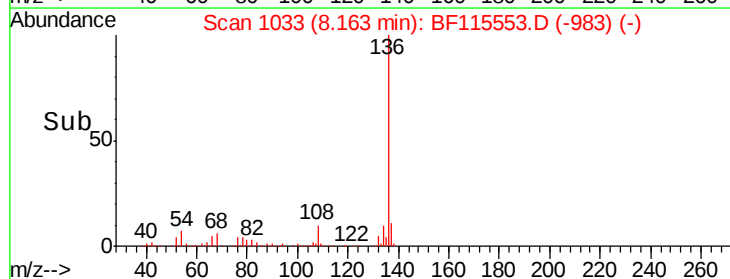
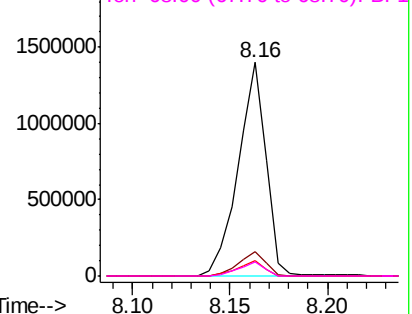
137 11.3 9.0 13.4

54 6.9 5.6 8.4

68 6.3 5.0 7.6



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

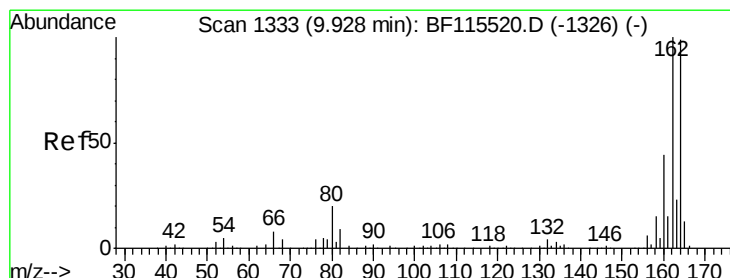
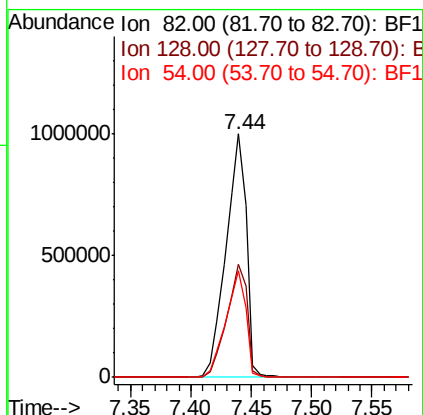
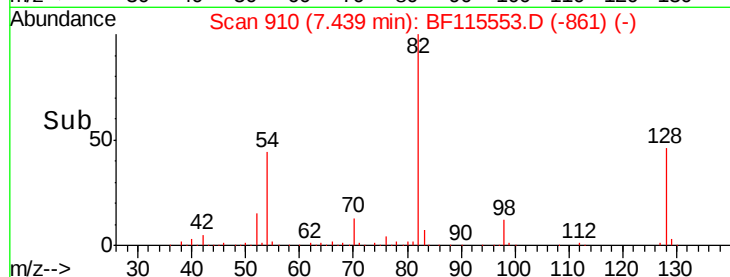
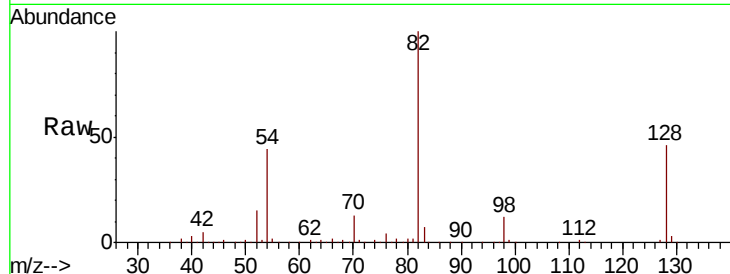




#23  
 Nitrobenzene-d5  
 Concen: 49.313 ng  
 RT: 7.44 min Scan# 910  
 Delta R.T. -0.01 min  
 Lab File: BF115553.D  
 Acq: 15 Jul 2019 9:27

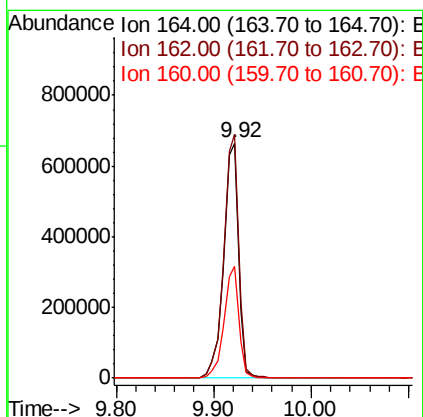
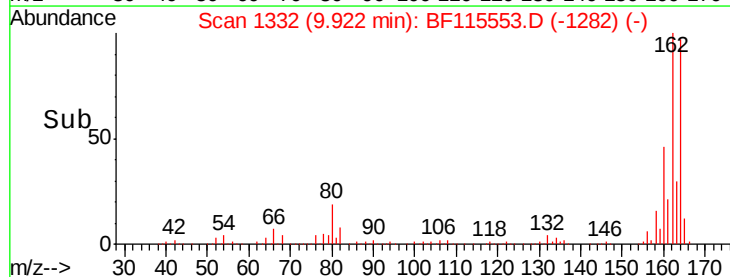
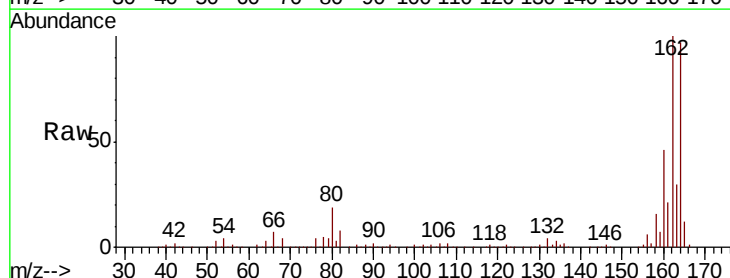
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB121250BL

Tgt Ion: 82 Resp: 1169018  
 Ion Ratio Lower Upper  
 82 100  
 128 46.3 38.6 57.8  
 54 43.8 35.6 53.4



#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.92 min Scan# 1332  
 Delta R.T. -0.01 min  
 Lab File: BF115553.D  
 Acq: 15 Jul 2019 9:27

Tgt Ion: 164 Resp: 705869  
 Ion Ratio Lower Upper  
 164 100  
 162 103.6 82.9 124.3  
 160 47.4 36.8 55.2

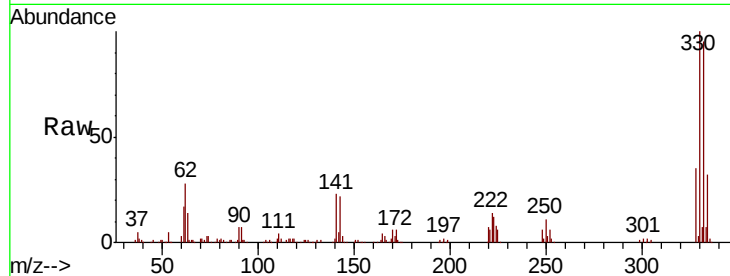




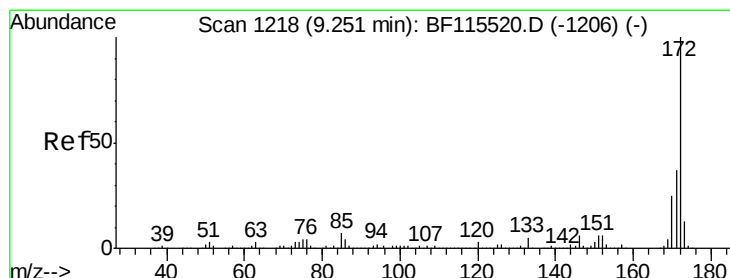
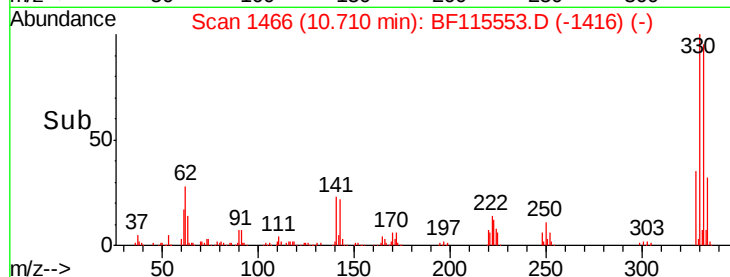
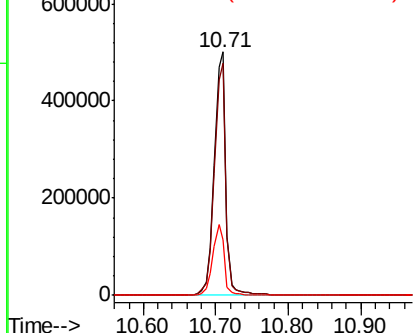
#42  
 2,4,6-Tribromophenol  
 Concen: 67.722 ng  
 RT: 10.71 min Scan# 1466  
 Delta R.T. -0.01 min  
 Lab File: BF115553.D  
 Acq: 15 Jul 2019 9:27

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB121250BL

Tgt Ion:330 Resp: 557979  
 Ion Ratio Lower Upper  
 330 100  
 332 94.6 77.4 116.2  
 141 29.5 22.4 33.6

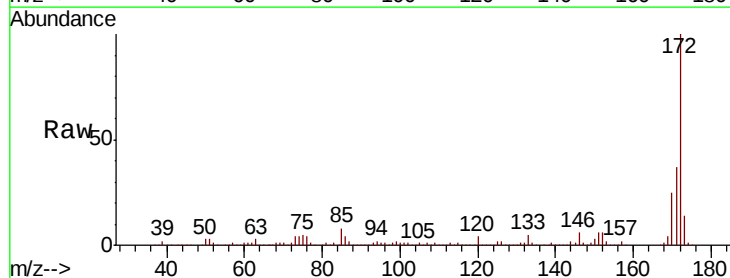


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

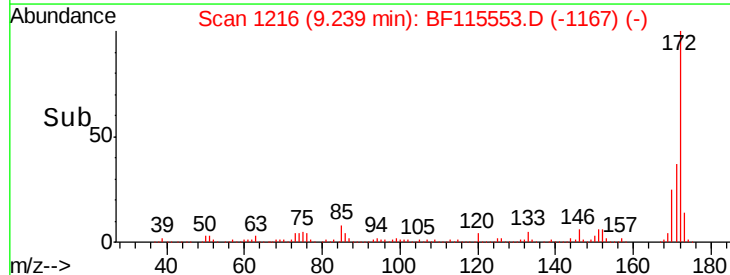
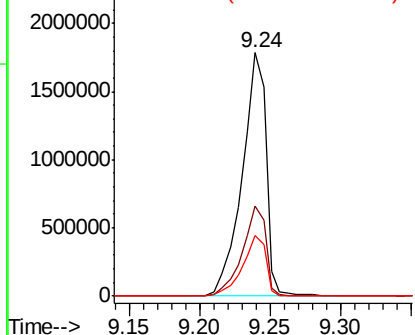


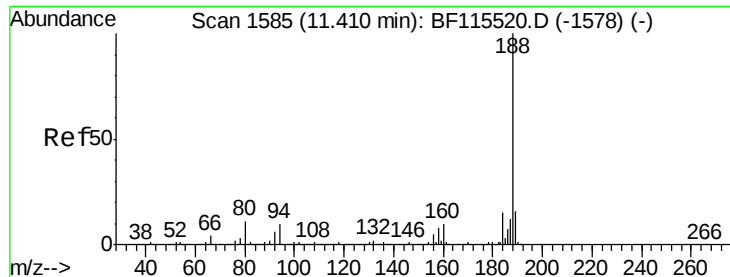
#45  
 2-Fluorobiphenyl  
 Concen: 52.596 ng  
 RT: 9.24 min Scan# 1216  
 Delta R.T. -0.01 min  
 Lab File: BF115553.D  
 Acq: 15 Jul 2019 9:27

Tgt Ion:172 Resp: 2121121  
 Ion Ratio Lower Upper  
 172 100  
 171 37.1 30.6 46.0  
 170 24.7 20.5 30.7



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

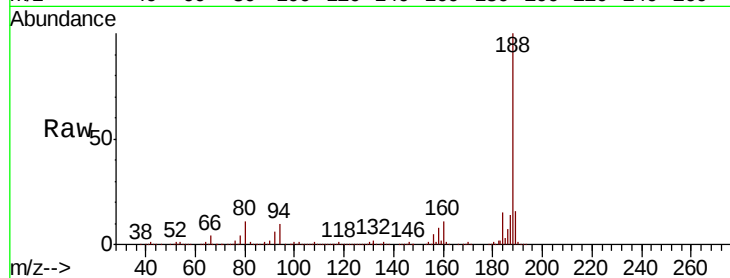




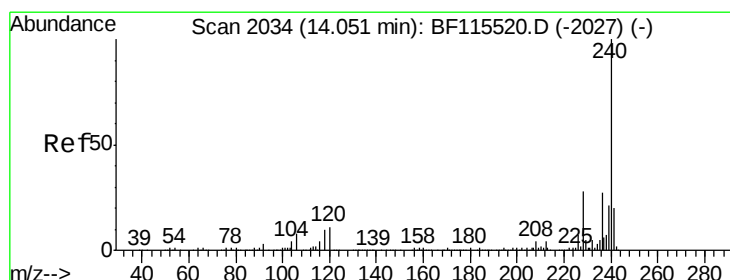
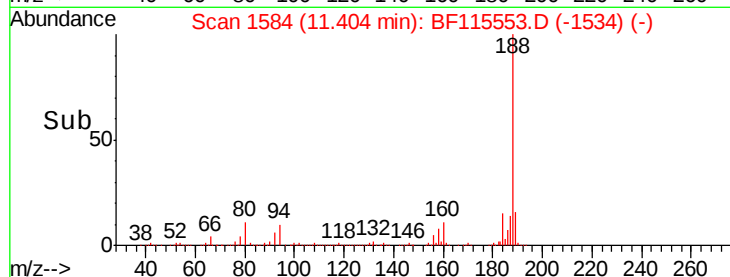
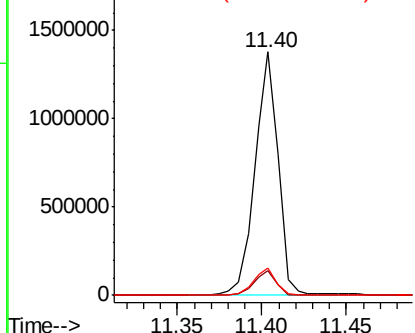
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.40 min Scan# 1584  
Delta R.T. -0.01 min  
Lab File: BF115553.D  
Acq: 15 Jul 2019 9:27

Instrument :  
BNA\_F  
ClientSampleId :  
PB121250BL

Tgt Ion:188 Resp: 1316309  
Ion Ratio Lower Upper  
188 100  
94 10.1 7.8 11.6  
80 11.1 8.6 13.0

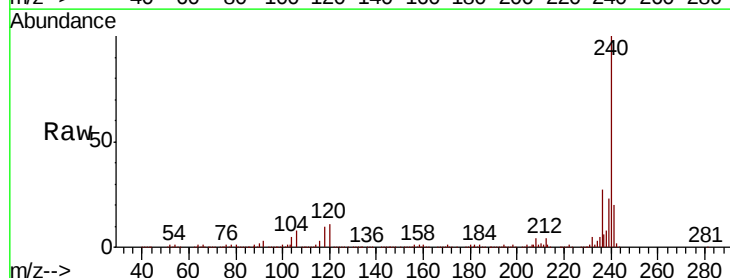


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF1  
Ion 80.00 (79.70 to 80.70): BF1

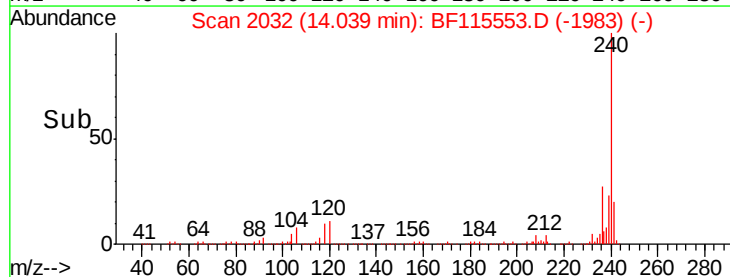
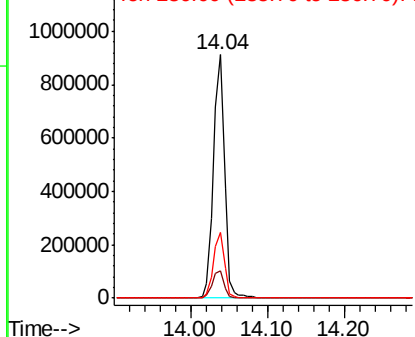


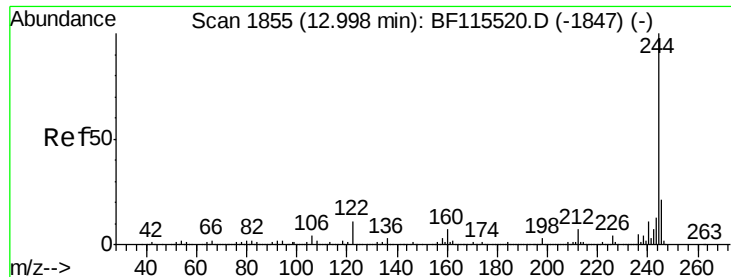
#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.04 min Scan# 2032  
Delta R.T. -0.01 min  
Lab File: BF115553.D  
Acq: 15 Jul 2019 9:27

Tgt Ion:240 Resp: 898946  
Ion Ratio Lower Upper  
240 100  
120 11.2 8.6 13.0  
236 27.2 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: 46.987 ng

RT: 12.99 min Scan# 1854

Delta R.T. -0.01 min

Lab File: BF115553.D

Acq: 15 Jul 2019 9:27

Instrument :

BNA\_F

ClientSampleId :

PB121250BL

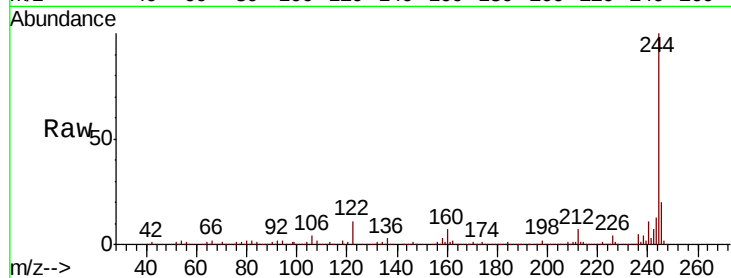
Tgt Ion:244 Resp: 2289132

Ion Ratio Lower Upper

244 100

212 7.1 6.0 9.0

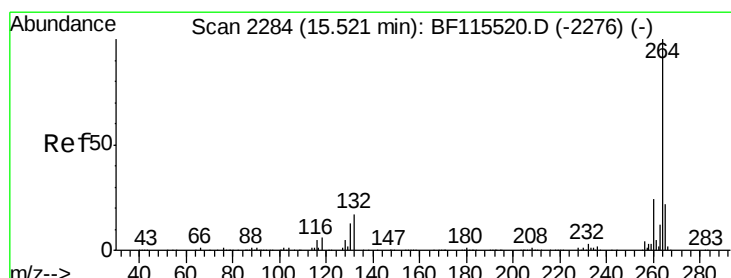
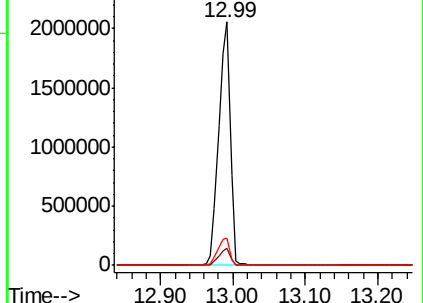
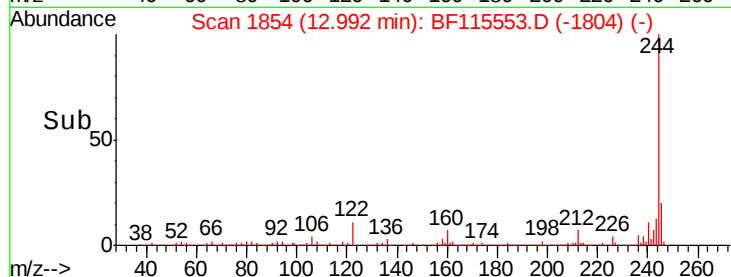
122 11.0 8.6 12.8



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: 15.51 min Scan# 2282

Delta R.T. -0.01 min

Lab File: BF115553.D

Acq: 15 Jul 2019 9:27

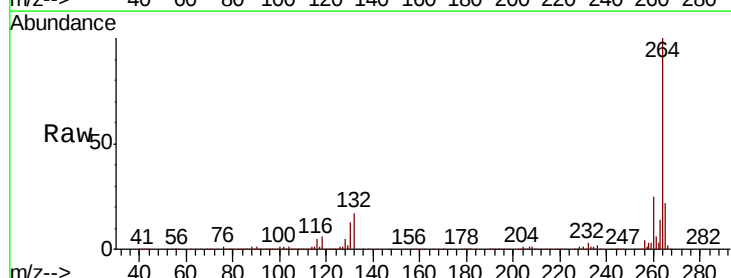
Tgt Ion:264 Resp: 772226

Ion Ratio Lower Upper

264 100

260 24.6 19.8 29.8

265 22.1 17.7 26.5



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

