

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF092415\  
 Data File : BF081777.D  
 Acq On : 24 Sep 2015 21:59  
 Operator : UM/IZ  
 Sample : G3761-01  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SOIL-PILE

Quant Time: Sep 25 06:46:18 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF092415.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Sep 25 06:04:07 2015  
 Response via : Initial Calibration

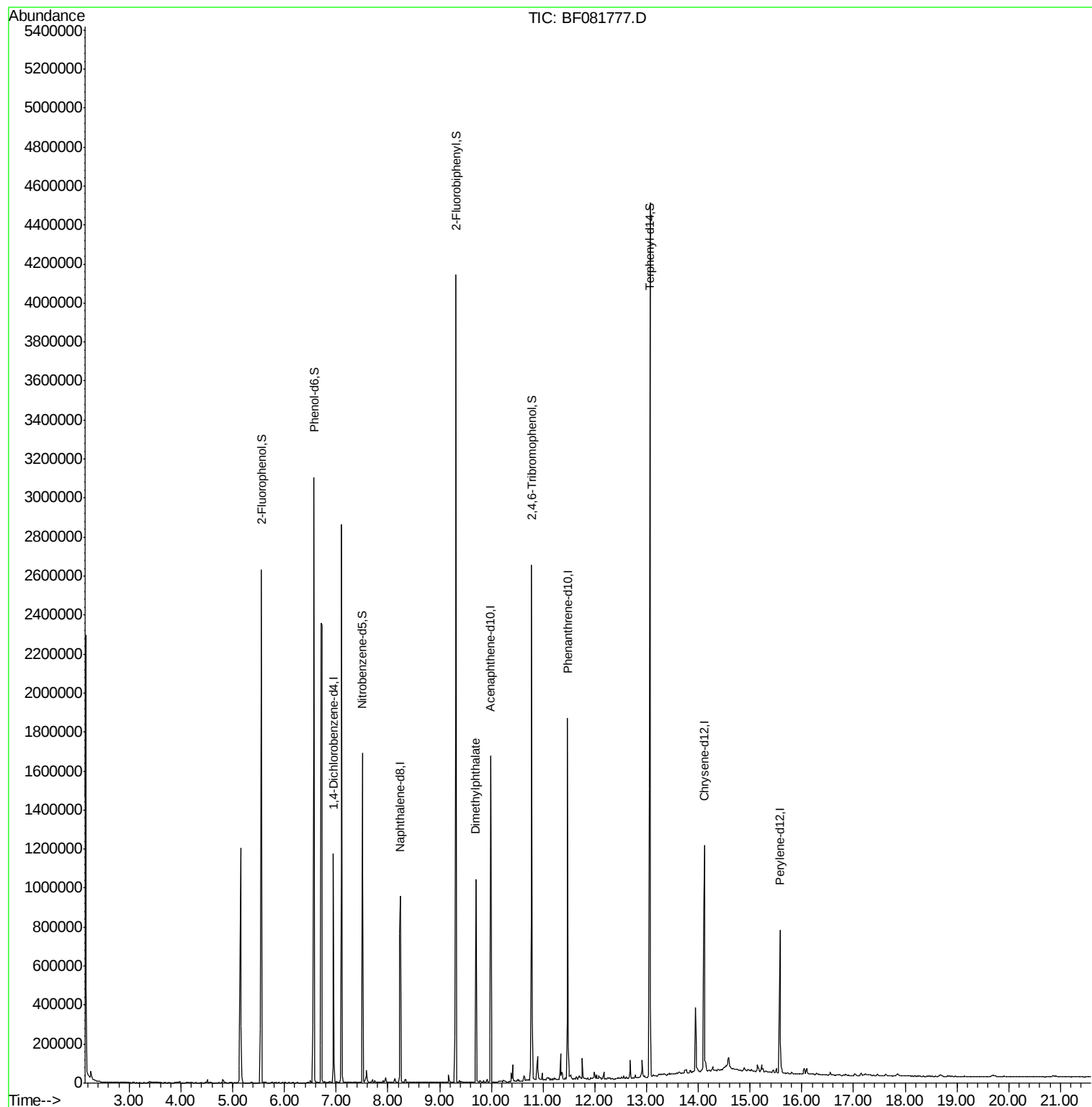
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.95  | 152  | 155335   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.24  | 136  | 598912   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 9.99  | 164  | 320704   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10        | 11.47 | 188  | 626019   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 14.12 | 240  | 511686   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 15.58 | 264  | 346998   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.55  | 112  | 937346   | 102.09 | ng    | 0.01     |
| 7) Phenol-d6                | 6.57  | 99   | 1220350  | 105.08 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.51  | 82   | 687913   | 75.78  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 10.78 | 330  | 306828   | 110.20 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 9.31  | 172  | 1448732  | 74.15  | ng    | 0.00     |
| 78) Terphenyl-d14           | 13.06 | 244  | 1404415  | 62.70  | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       | Qvalue   |
| 49) Dimethylphthalate       | 9.70  | 163  | 398639   | 16.34  | ng    | # 97     |

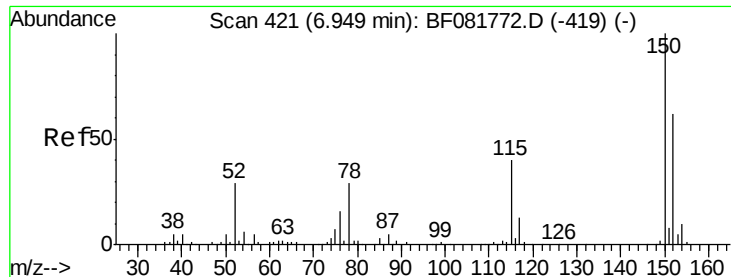
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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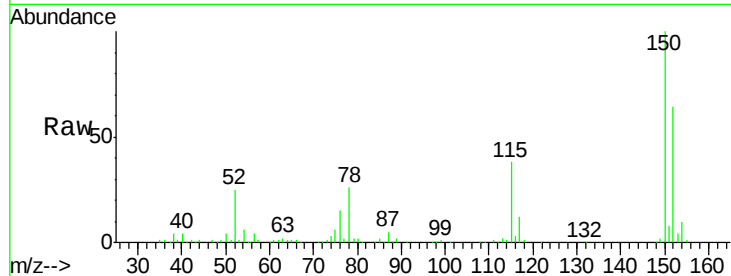


#1

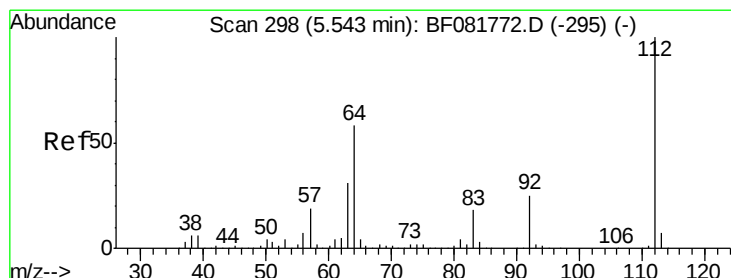
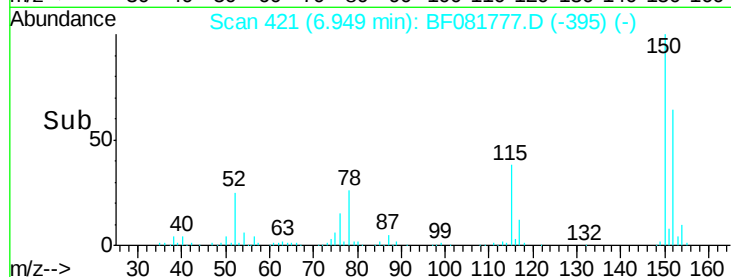
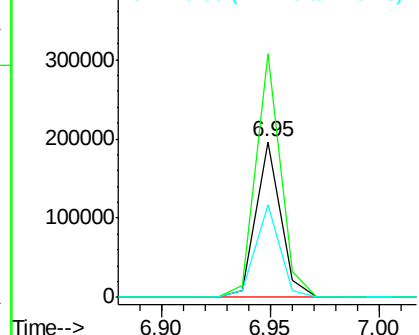
1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 6.95 min Scan# 421  
 Delta R.T. -0.00 min  
 Lab File: BF081777.D  
 Acq: 24 Sep 2015 21:59

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SOIL-PILE

Tgt Ion:152 Resp: 155335  
 Ion Ratio Lower Upper  
 152 100  
 150 156.6 124.7 187.1  
 115 59.9 39.0 58.4#



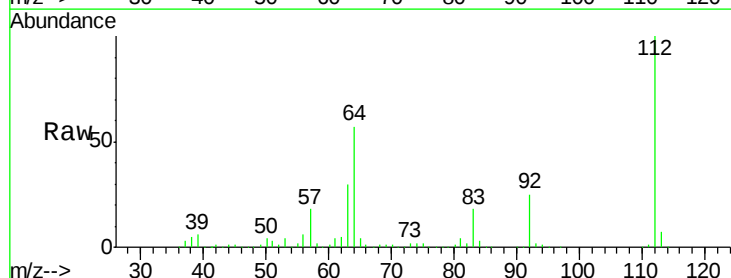
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



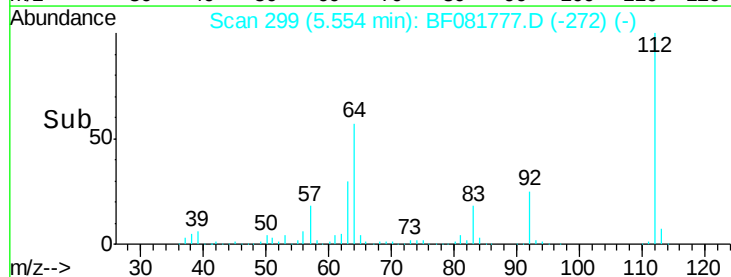
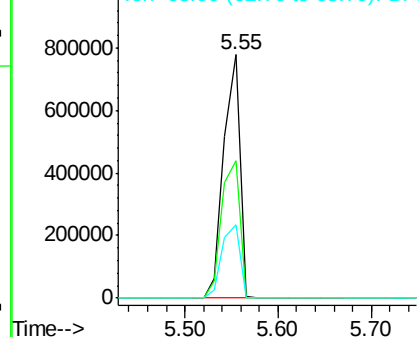
#5

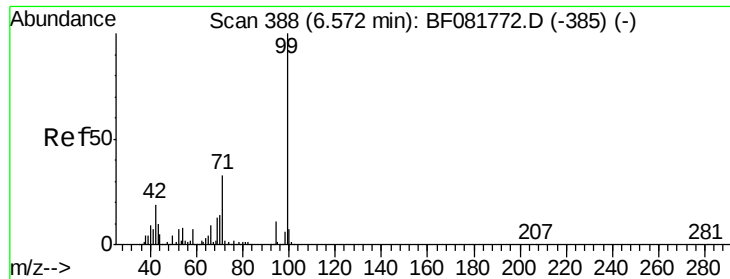
2-Fluorophenol  
 Concen: 102.09 ng  
 RT: 5.55 min Scan# 299  
 Delta R.T. 0.01 min  
 Lab File: BF081777.D  
 Acq: 24 Sep 2015 21:59

Tgt Ion:112 Resp: 937346  
 Ion Ratio Lower Upper  
 112 100  
 64 56.5 39.7 59.5  
 63 30.3 17.4 26.0#



Abundance Ion 112.00 (111.70 to 112.70): E  
 Ion 64.00 (63.70 to 64.70): BF0  
 Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 105.08 ng

RT: 6.57 min Scan# 388

Delta R.T. -0.00 min

Lab File: BF081777.D

Acq: 24 Sep 2015 21:59

Instrument :

BNA\_F

ClientSampled :

SOIL-PILE

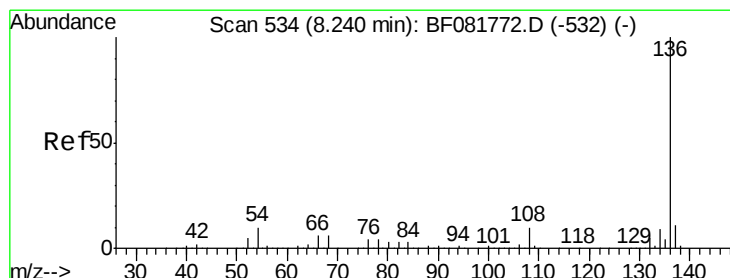
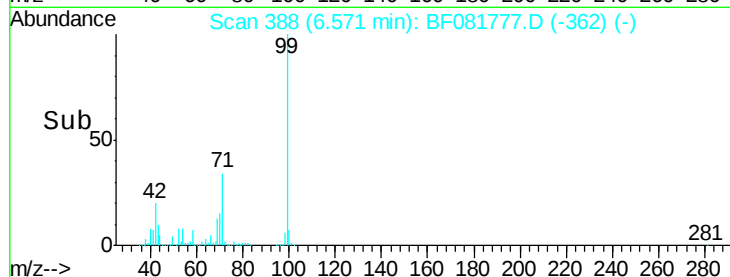
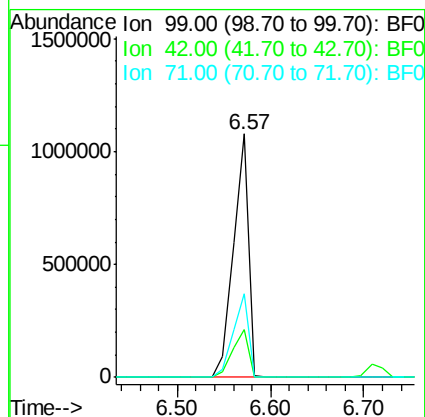
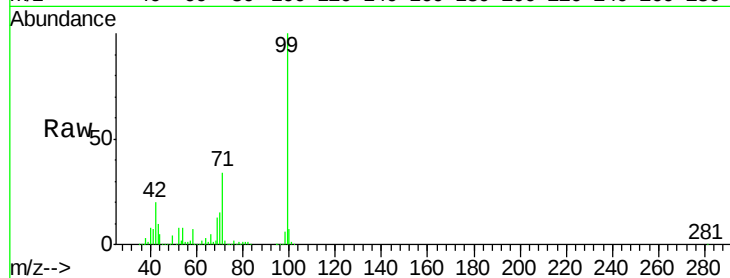
Tgt Ion: 99 Resp: 1220350

Ion Ratio Lower Upper

99 100

42 19.7 13.7 20.5

71 34.2 14.2 21.2#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.24 min Scan# 534

Delta R.T. -0.00 min

Lab File: BF081777.D

Acq: 24 Sep 2015 21:59

Tgt Ion: 136 Resp: 598912

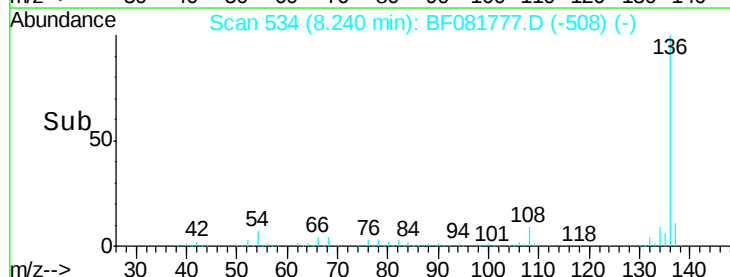
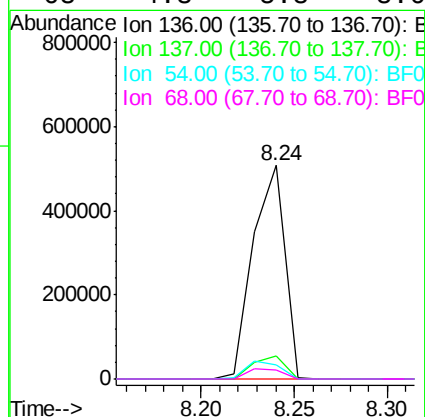
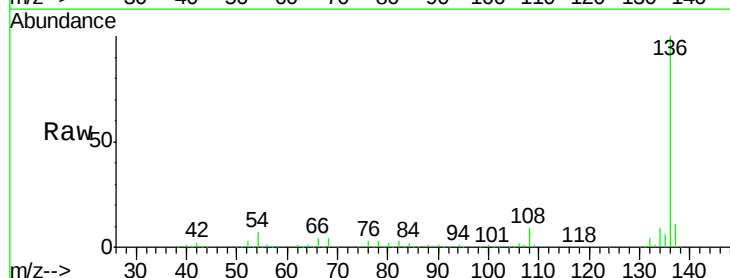
Ion Ratio Lower Upper

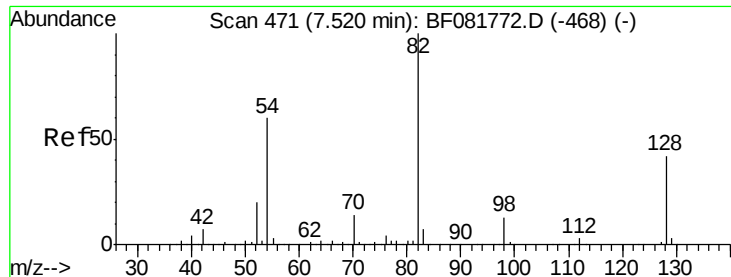
136 100

137 10.7 9.0 13.6

54 6.5 8.2 12.2#

68 4.3 5.8 8.6#





#23

Nitrobenzene-d5

Concen: 75.78 ng

RT: 7.51 min Scan# 470

Delta R.T. -0.01 min

Lab File: BF081777.D

Acq: 24 Sep 2015 21:59

Instrument :

BNA\_F

ClientSampleId :

SOIL-PILE

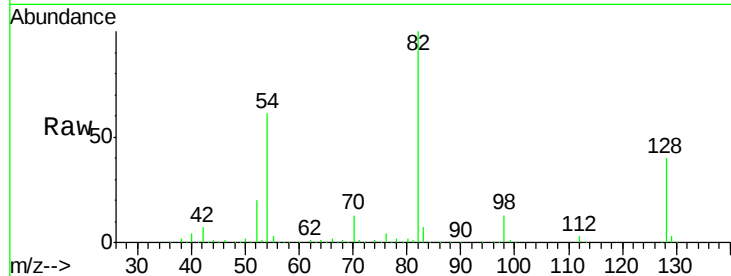
Tgt Ion: 82 Resp: 687913

Ion Ratio Lower Upper

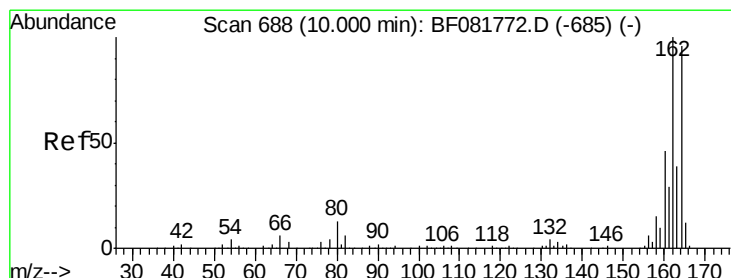
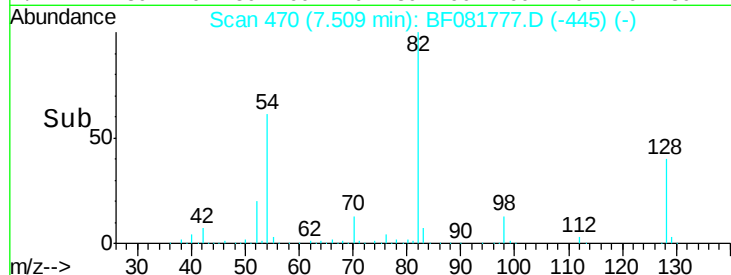
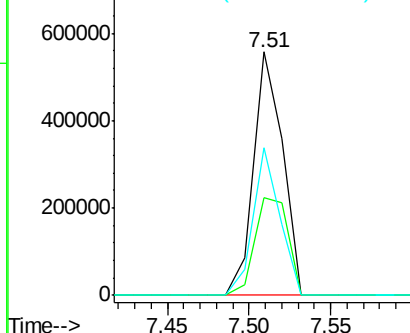
82 100

128 39.9 51.0 76.6#

54 60.8 47.5 71.3



Abundance Ion 82.00 (81.70 to 82.70): BF0  
Ion 128.00 (127.70 to 128.70): E  
Ion 54.00 (53.70 to 54.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.99 min Scan# 687

Delta R.T. -0.01 min

Lab File: BF081777.D

Acq: 24 Sep 2015 21:59

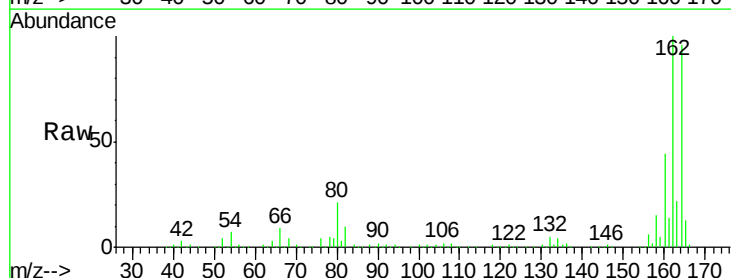
Tgt Ion: 164 Resp: 320704

Ion Ratio Lower Upper

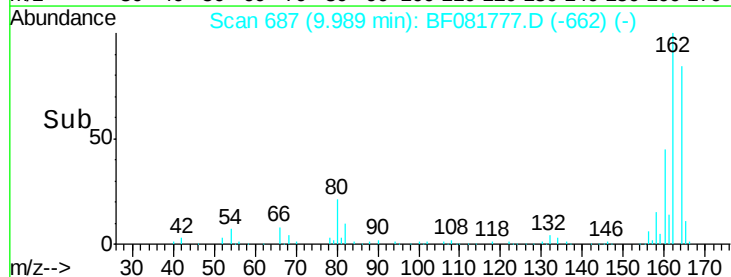
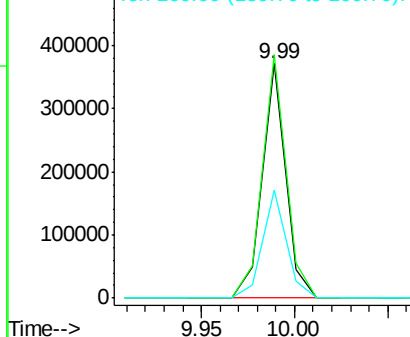
164 100

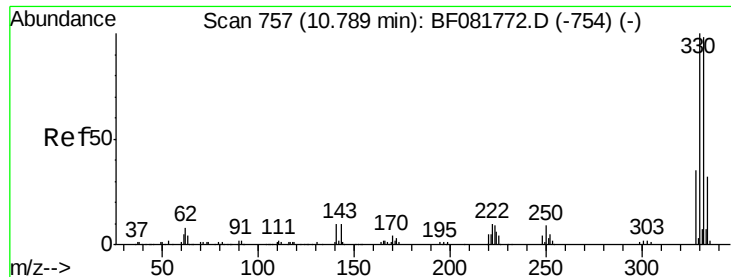
162 103.9 75.2 112.8

160 46.0 31.5 47.3



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

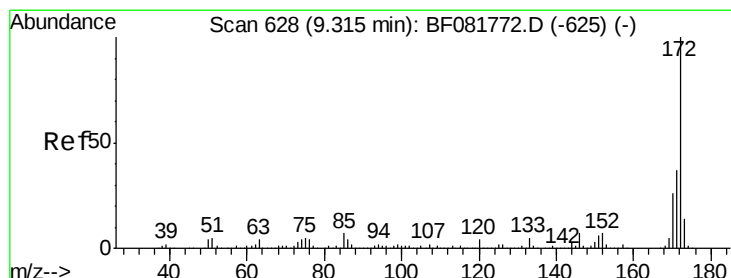
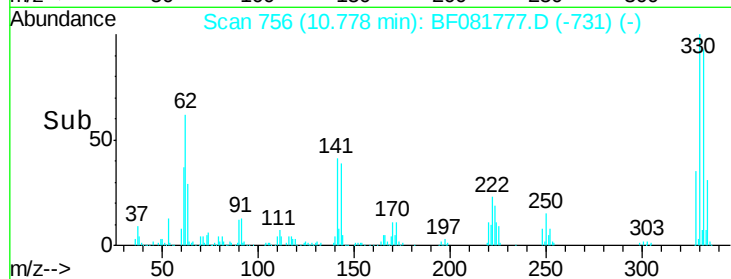
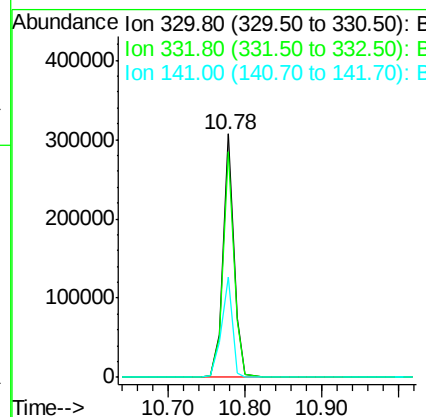
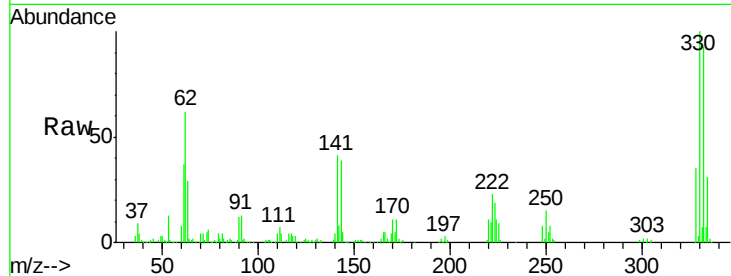




#41  
 2,4,6-Tribromophenol  
 Concen: 110.20 ng  
 RT: 10.78 min Scan# 756  
 Delta R.T. -0.01 min  
 Lab File: BF081777.D  
 Acq: 24 Sep 2015 21:59

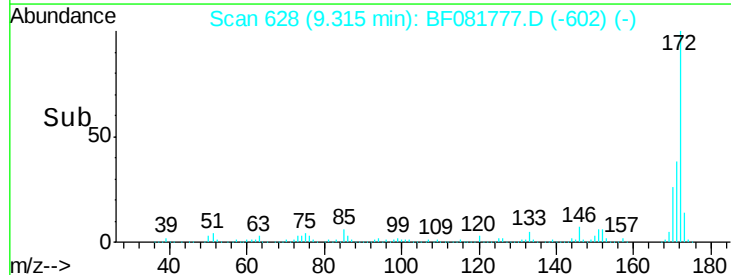
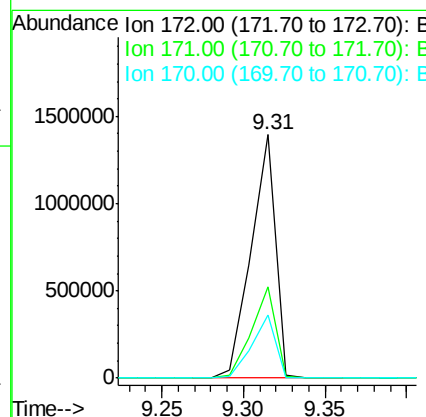
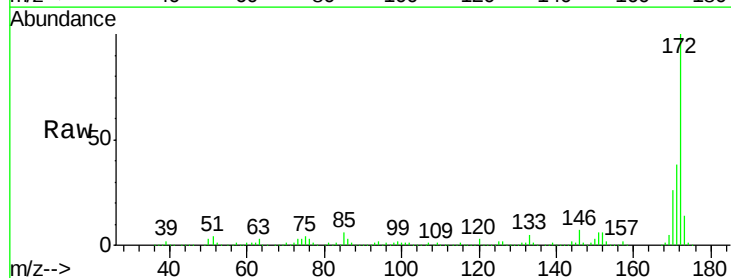
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SOIL-PILE

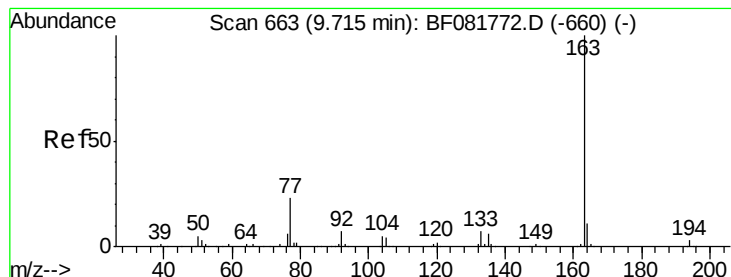
Tgt Ion:330 Resp: 306828  
 Ion Ratio Lower Upper  
 330 100  
 332 93.4 76.6 114.8  
 141 40.5 29.7 44.5



#44  
 2-Fluorobiphenyl  
 Concen: 74.15 ng  
 RT: 9.31 min Scan# 628  
 Delta R.T. -0.00 min  
 Lab File: BF081777.D  
 Acq: 24 Sep 2015 21:59

Tgt Ion:172 Resp: 1448732  
 Ion Ratio Lower Upper  
 172 100  
 171 37.6 26.1 39.1  
 170 25.8 17.4 26.2





#49

Dimethylphthalate

Concen: 16.34 ng

RT: 9.70 min Scan# 662

Delta R.T. -0.01 min

Lab File: BF081777.D

Acq: 24 Sep 2015 21:59

Instrument :

BNA\_F

ClientSampleId :

SOIL-PILE

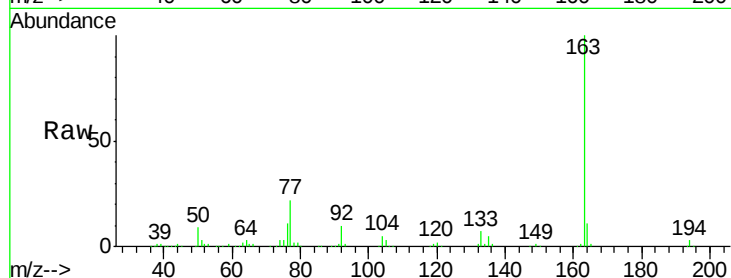
Tgt Ion:163 Resp: 398639

Ion Ratio Lower Upper

163 100

194 3.3 4.4 6.6#

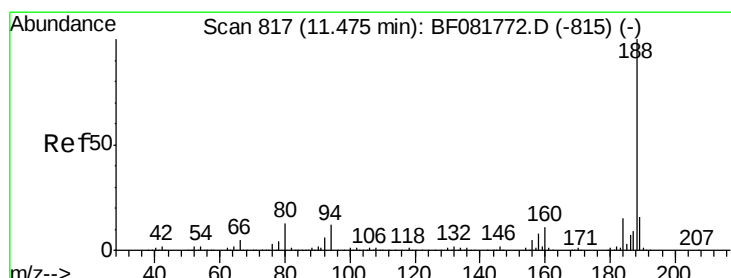
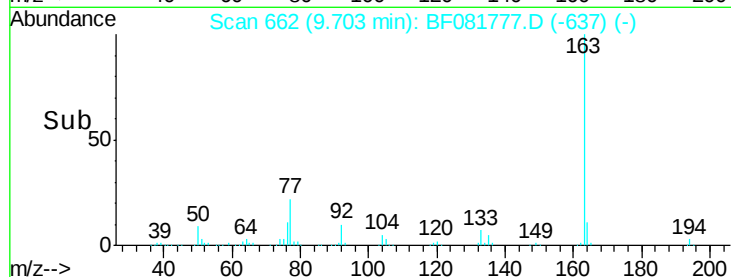
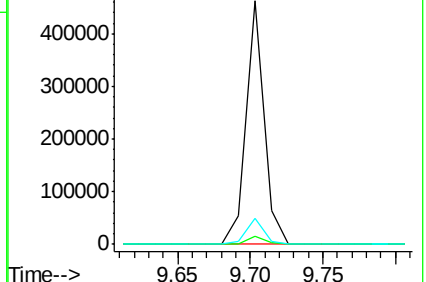
164 10.6 8.3 12.5



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.47 min Scan# 817

Delta R.T. -0.00 min

Lab File: BF081777.D

Acq: 24 Sep 2015 21:59

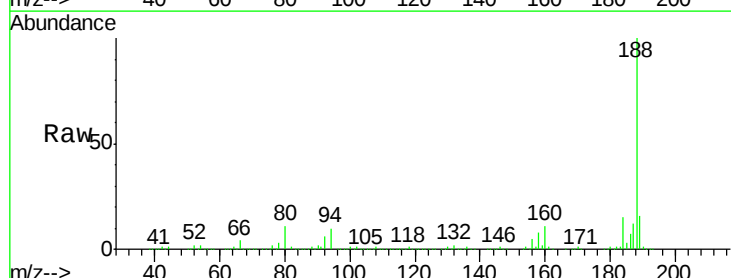
Tgt Ion:188 Resp: 626019

Ion Ratio Lower Upper

188 100

94 10.2 11.1 16.7#

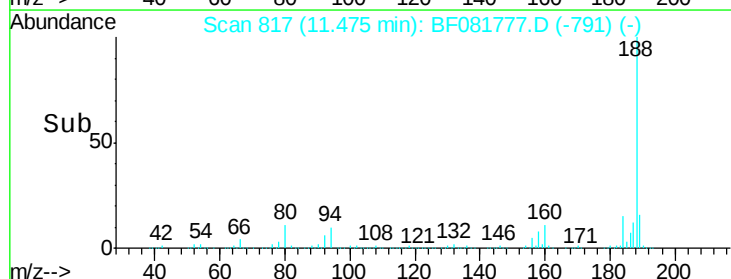
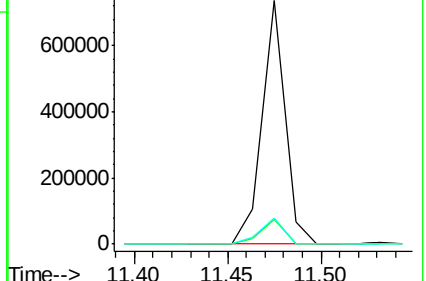
80 10.6 11.0 16.4#

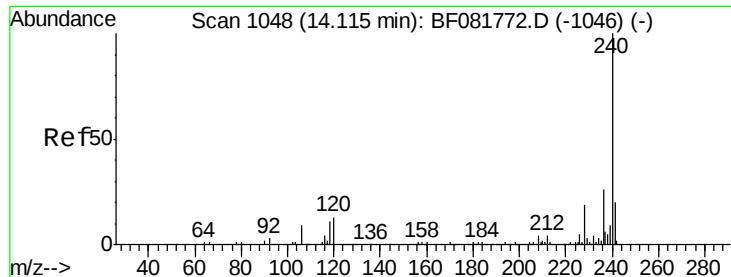


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.12 min Scan# 1048

Delta R.T. -0.00 min

Lab File: BF081777.D

Acq: 24 Sep 2015 21:59

Instrument :

BNA\_F

ClientSampleId :

SOIL-PILE

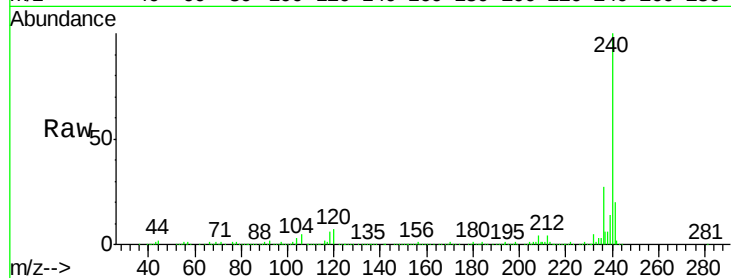
Tgt Ion:240 Resp: 511686

Ion Ratio Lower Upper

240 100

120 7.2 16.2 24.2#

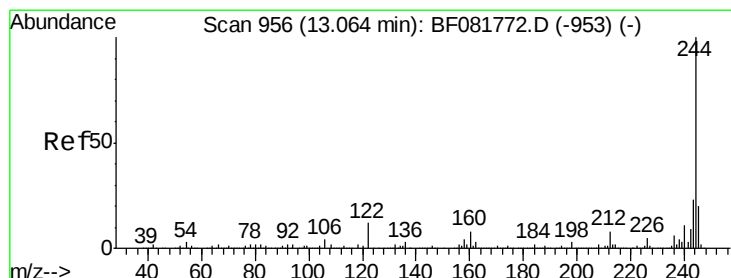
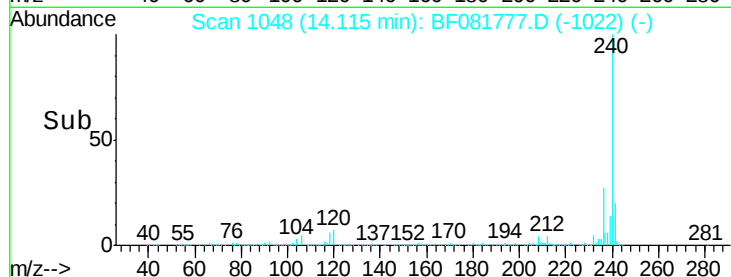
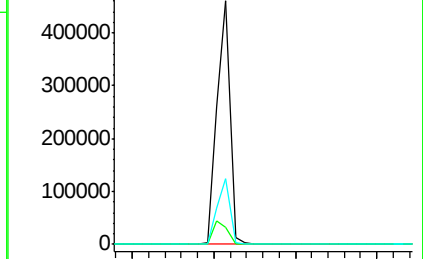
236 26.8 18.4 27.6



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

Terphenyl-d14

Concen: 62.70 ng

RT: 13.06 min Scan# 956

Delta R.T. -0.00 min

Lab File: BF081777.D

Acq: 24 Sep 2015 21:59

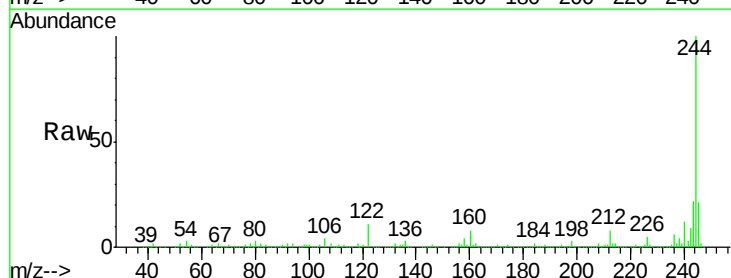
Tgt Ion:244 Resp: 1404415

Ion Ratio Lower Upper

244 100

212 8.4 4.3 6.5#

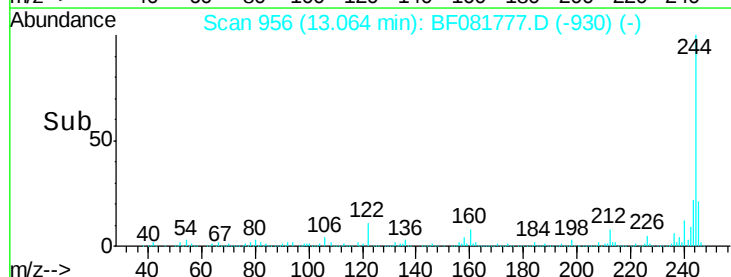
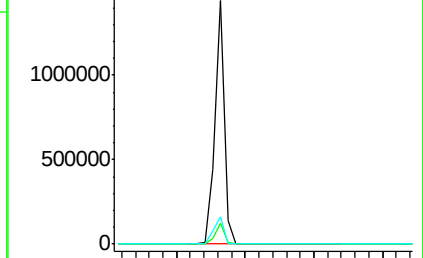
122 11.3 17.4 26.2#

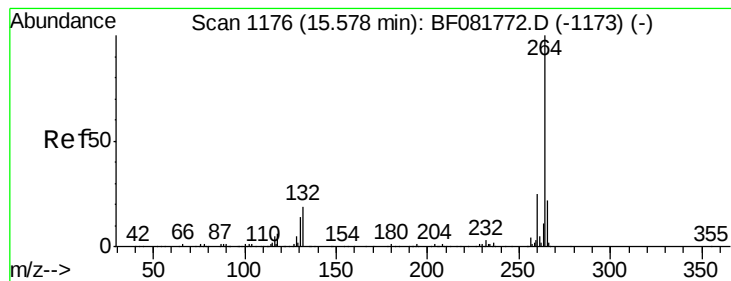


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 15.58 min Scan# 1176  
Delta R.T. -0.00 min  
Lab File: BF081777.D  
Acq: 24 Sep 2015 21:59

Instrument :  
BNA\_F  
ClientSampleId :  
SOIL-PILE

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.9  | 16.7  | 25.1  |
| 265     | 22.0  | 17.2  | 25.8  |

