

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081719\  
 Data File : BF116353.D  
 Acq On : 17 Aug 2019 13:24  
 Operator : HP/JU  
 Sample : K4380-01  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 STOCKPILE-175-LANDERS-PIT

Quant Time: Aug 19 06:46:39 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Aug 07 11:13:18 2019  
 Response via : Initial Calibration

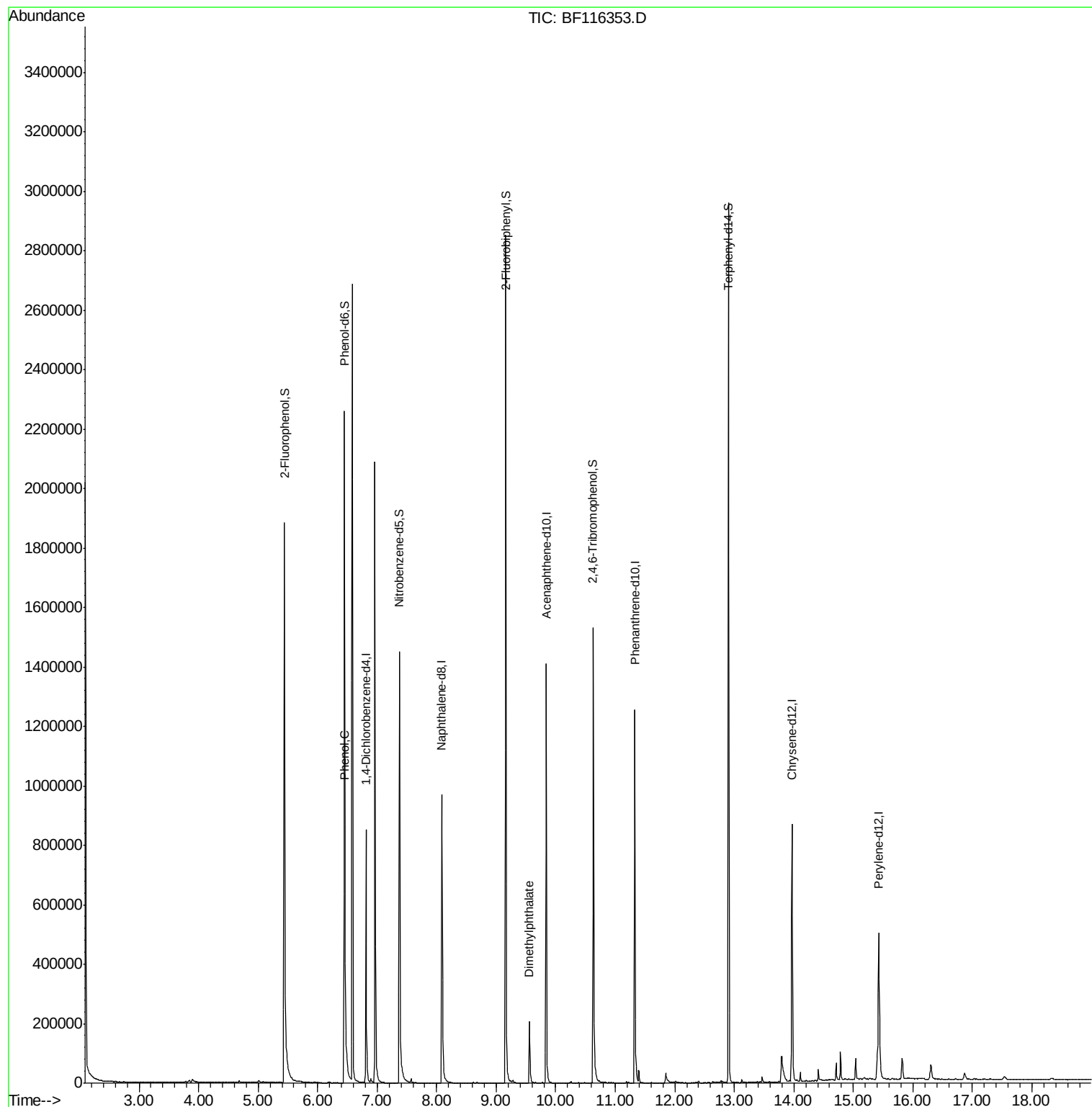
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.81  | 152  | 133560   | 20.00 | ng    | -0.04    |
| 21) Naphthalene-d8          | 8.09  | 136  | 520481   | 20.00 | ng    | -0.04    |
| 39) Acenaphthene-d10        | 9.84  | 164  | 271077   | 20.00 | ng    | -0.05    |
| 64) Phenanthrene-d10        | 11.33 | 188  | 469868   | 20.00 | ng    | -0.04    |
| 76) Chrysene-d12            | 13.97 | 240  | 315333   | 20.00 | ng    | -0.04    |
| 87) Perylene-d12            | 15.43 | 264  | 298141   | 20.00 | ng    | -0.05    |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.44  | 112  | 702414   | 88.04 | ng    | -0.03    |
| 7) Phenol-d6                | 6.45  | 99   | 897601   | 89.17 | ng    | -0.04    |
| 23) Nitrobenzene-d5         | 7.37  | 82   | 565746   | 62.74 | ng    | -0.04    |
| 42) 2,4,6-Tribromophenol    | 10.63 | 330  | 211085   | 80.32 | ng    | -0.04    |
| 45) 2-Fluorobiphenyl        | 9.16  | 172  | 954081   | 65.92 | ng    | -0.04    |
| 79) Terphenyl-d14           | 12.90 | 244  | 960602   | 64.19 | ng    | -0.05    |
| Target Compounds            |       |      |          |       |       |          |
| 10) Phenol                  | 6.46  | 94   | 46217    | 3.899 | ng    | 94       |
| 50) Dimethylphthalate       | 9.56  | 163  | 100691   | 5.455 | ng    | 98       |

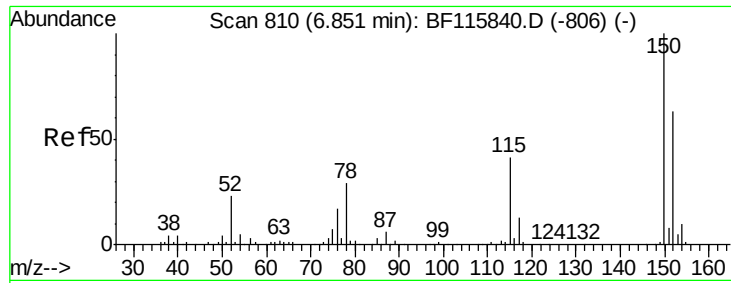
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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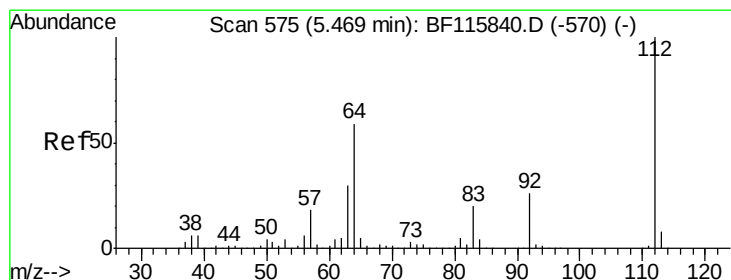
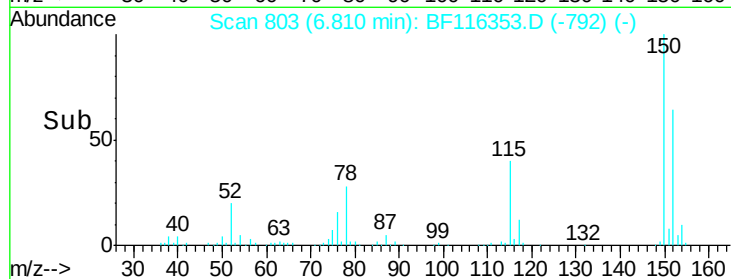
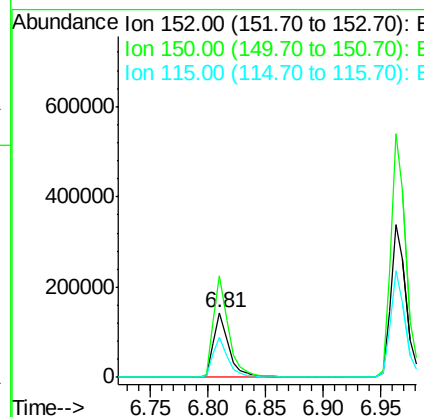
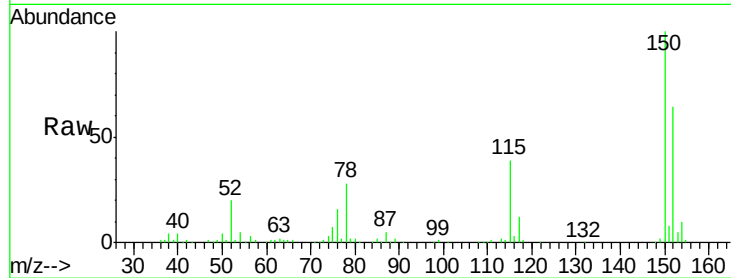


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.81 min Scan# 803  
Delta R.T. -0.04 min  
Lab File: BF116353.D  
Acq: 17 Aug 2019 13:24

Instrument :  
BNA\_F  
ClientSampleId :  
STOCKPILE-175-LANDERS-PIT

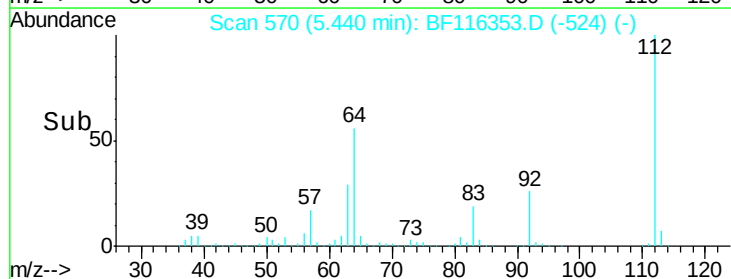
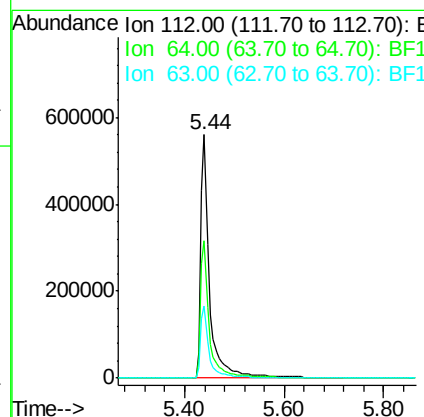
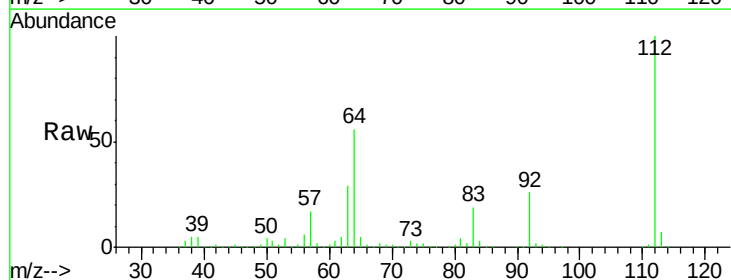
Tot Ion:152 Resp: 133560  
Ion Ratio Lower Upper  
152 100  
150 157.0 126.2 189.2  
115 62.0 49.9 74.9

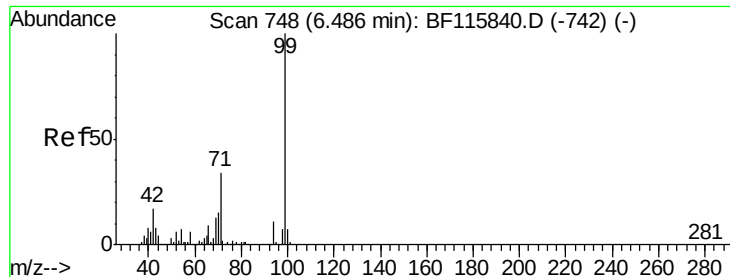


#5

2-Fluorophenol  
Concen: 88.042 ng  
RT: 5.44 min Scan# 570  
Delta R.T. -0.03 min  
Lab File: BF116353.D  
Acq: 17 Aug 2019 13:24

Tgt Ion:112 Resp: 702414  
Ion Ratio Lower Upper  
112 100  
64 56.4 45.4 68.2  
63 29.4 23.7 35.5





#7

Phenol-d6

Concen: 89.172 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.04 min

Lab File: BF116353.D

Acq: 17 Aug 2019 13:24

Instrument :

BNA\_F

ClientSampleId :

STOCKPILE-175-LANDERS-PIT

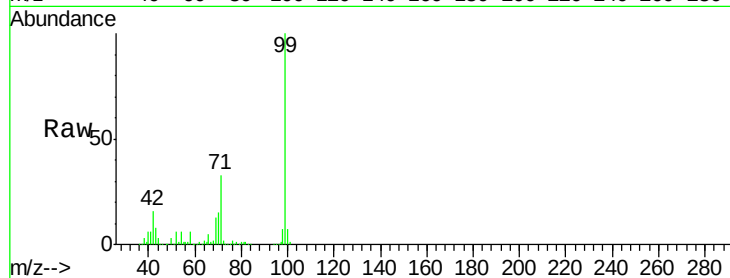
Tot Ion: 99 Resp: 897601

Ion Ratio Lower Upper

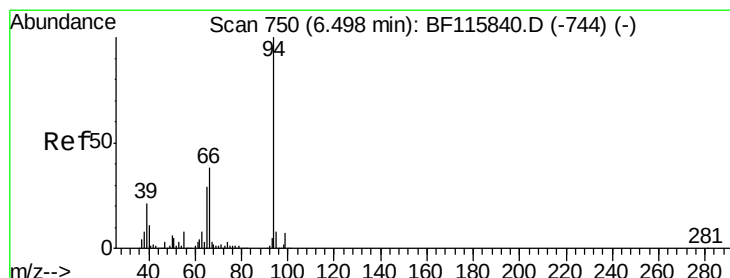
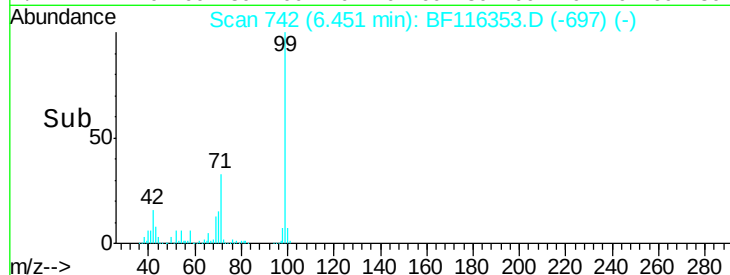
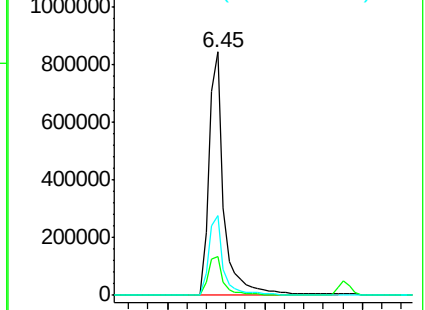
99 100

42 16.1 13.8 20.8

71 32.8 27.3 40.9



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: 3.899 ng

RT: 6.46 min Scan# 744

Delta R.T. -0.04 min

Lab File: BF116353.D

Acq: 17 Aug 2019 13:24

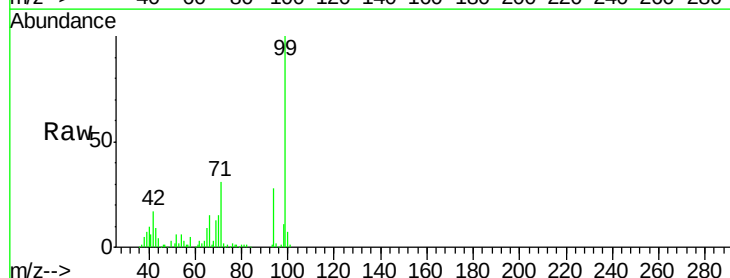
Tgt Ion: 94 Resp: 46217

Ion Ratio Lower Upper

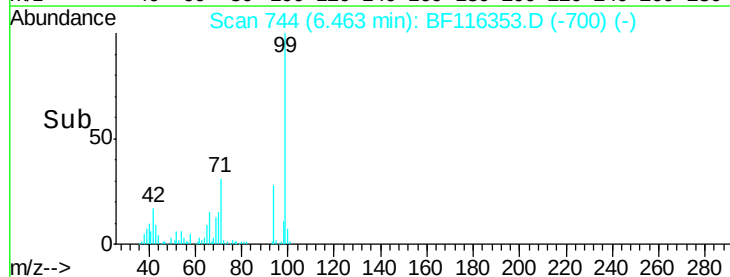
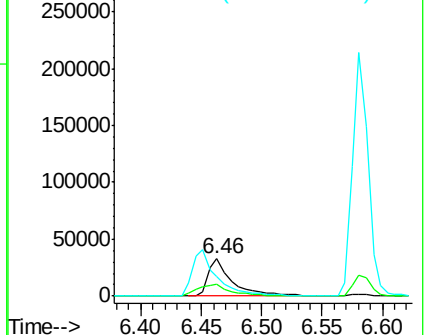
94 100

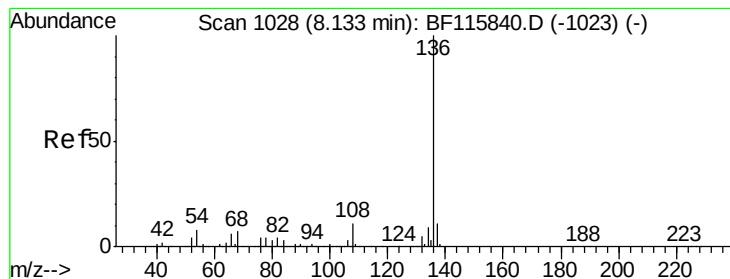
65 31.2 16.8 56.8

66 51.9 34.2 74.2



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: 8.09 min Scan# 1020

Delta R.T. -0.04 min

Lab File: BF116353.D

Acq: 17 Aug 2019 13:24

Instrument :

BNA\_F

ClientSampleId :

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Tot Ion:136 Resp: 520481

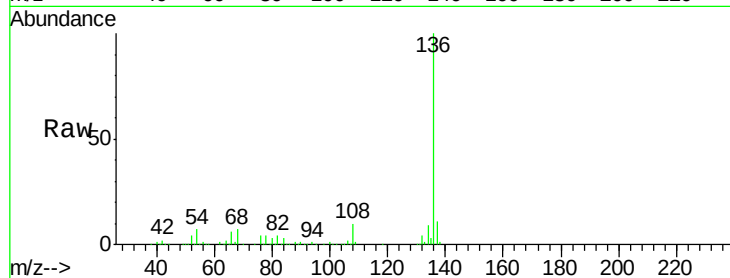
Ion Ratio Lower Upper

136 100

137 11.4 9.0 13.4

54 7.5 5.8 8.6

68 6.6 5.2 7.8

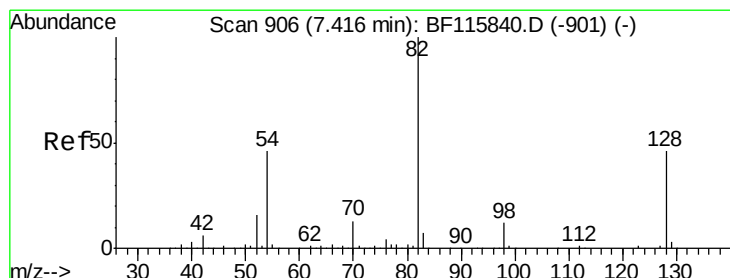
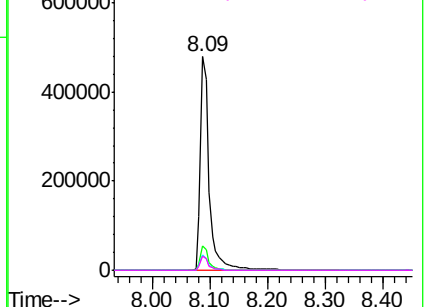
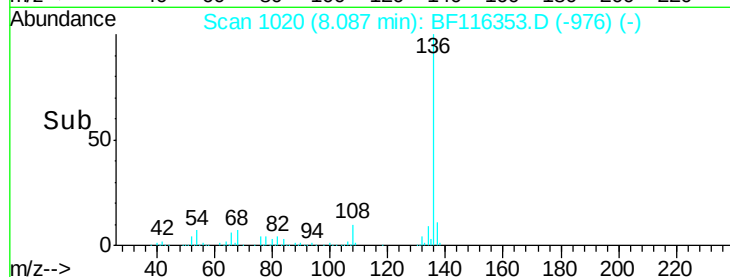


Abundance Ion 136.00 (135.70 to 136.70): E

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: 62.743 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.04 min

Lab File: BF116353.D

Acq: 17 Aug 2019 13:24

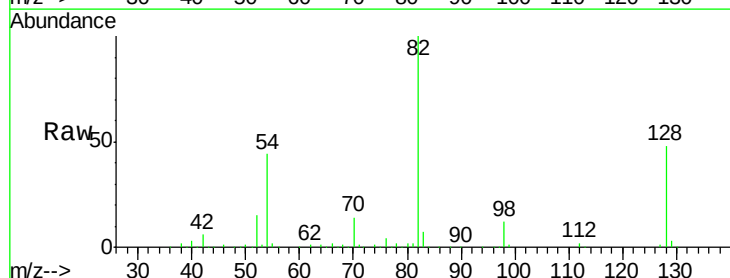
Tgt Ion: 82 Resp: 565746

Ion Ratio Lower Upper

82 100

128 47.7 36.5 54.7

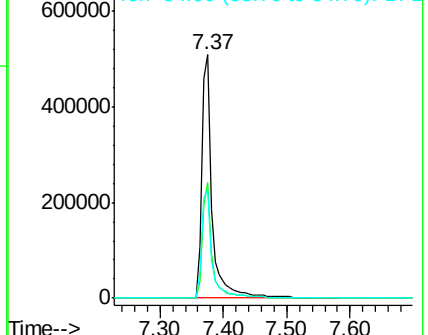
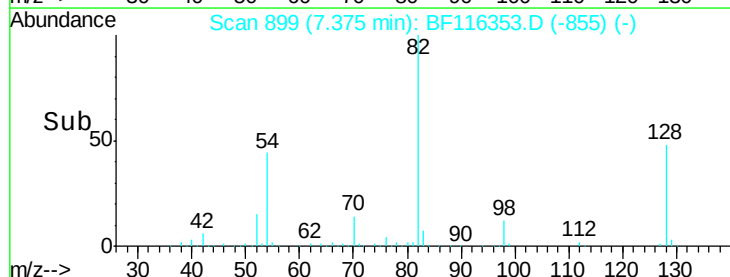
54 44.2 36.0 54.0

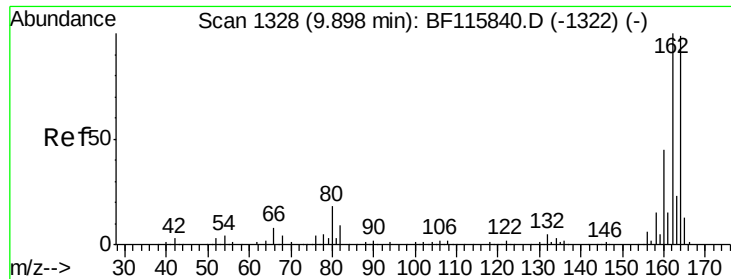


Abundance Ion 82.00 (81.70 to 82.70): BF1

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: 9.84 min Scan# 1318

Delta R.T. -0.05 min

Lab File: BF116353.D

Acq: 17 Aug 2019 13:24

Instrument :

BNA\_F

ClientSampleId :

STOCKPILE-175-LANDERS-PIT

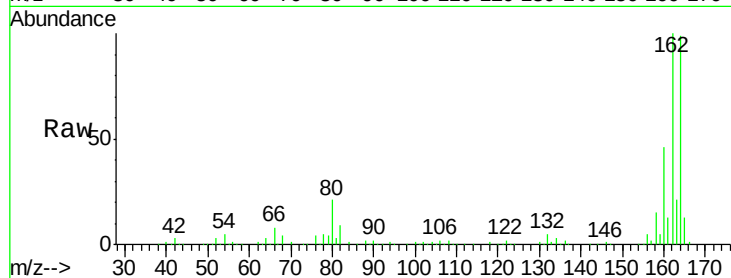
Tot Ion:164 Resp: 271077

Ion Ratio Lower Upper

164 100

162 100.7 82.6 124.0

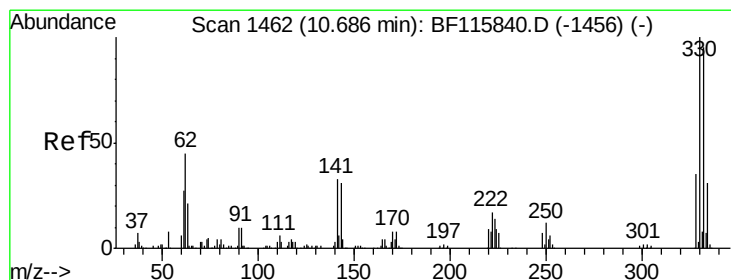
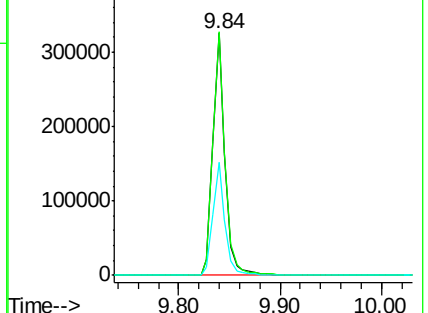
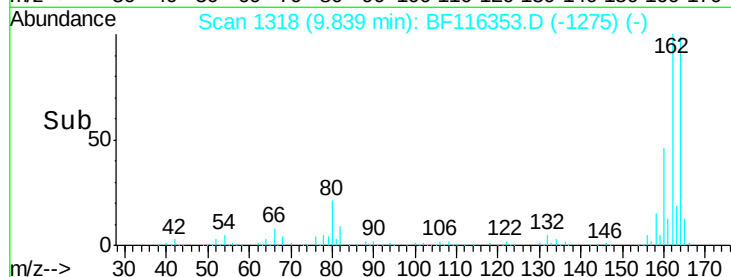
160 46.7 37.6 56.4



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: 80.316 ng

RT: 10.63 min Scan# 1453

Delta R.T. -0.04 min

Lab File: BF116353.D

Acq: 17 Aug 2019 13:24

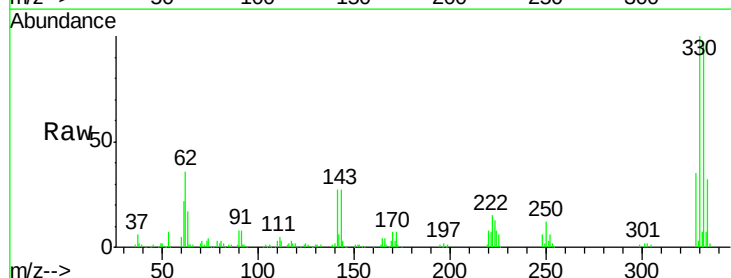
Tgt Ion:330 Resp: 211085

Ion Ratio Lower Upper

330 100

332 96.9 76.8 115.2

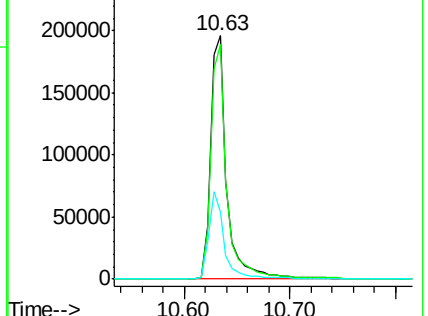
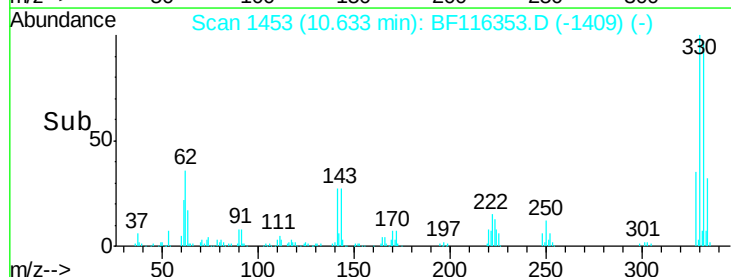
141 34.6 26.3 39.5

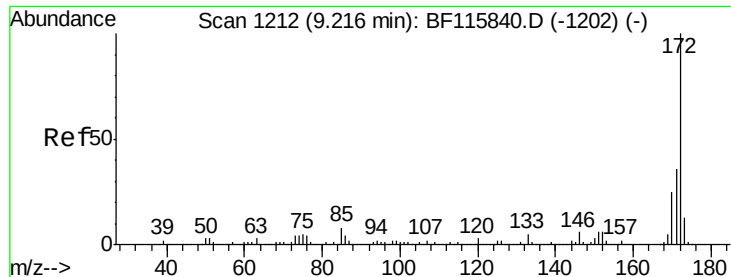


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

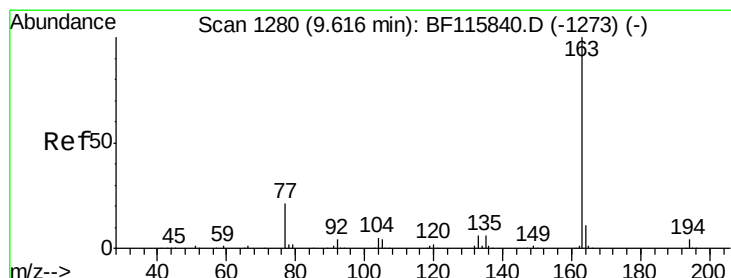
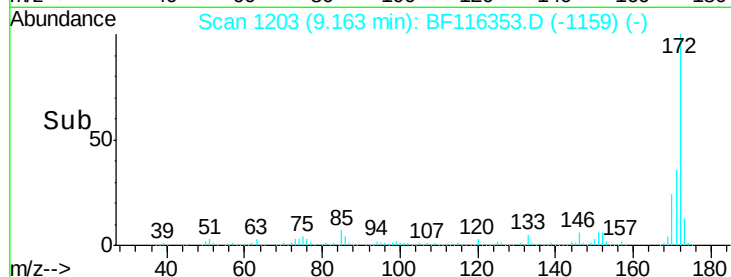
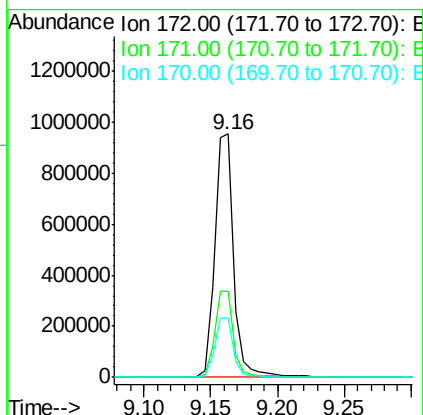
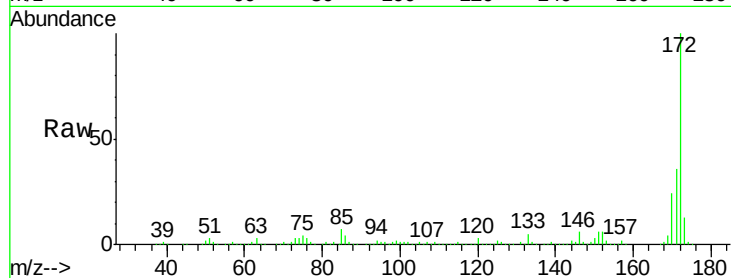




#45  
2-Fluorobiphenyl  
Concen: 65.925 ng  
RT: 9.16 min Scan# 1203  
Delta R.T. -0.04 min  
Lab File: BF116353.D  
Acq: 17 Aug 2019 13:24

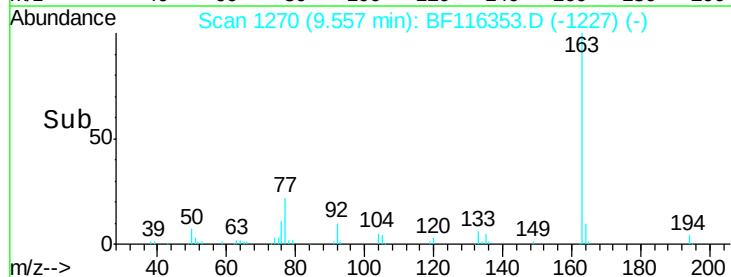
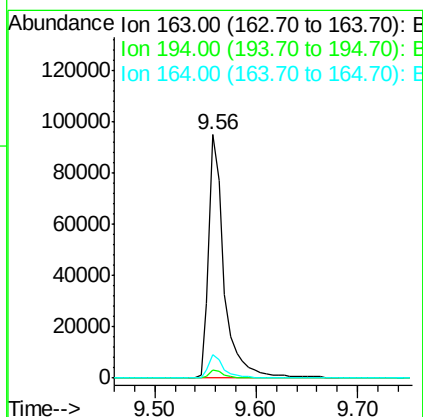
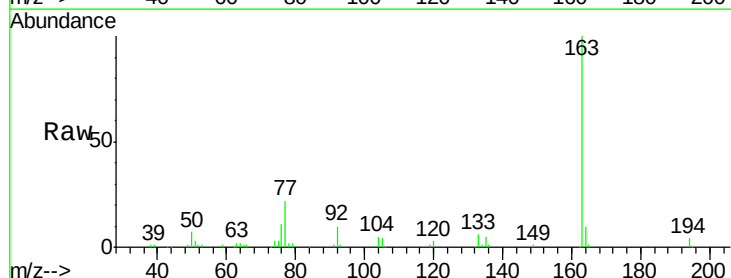
Instrument :  
BNA\_F  
ClientSampleId :  
STOCKPILE-175-LANDERS-PIT

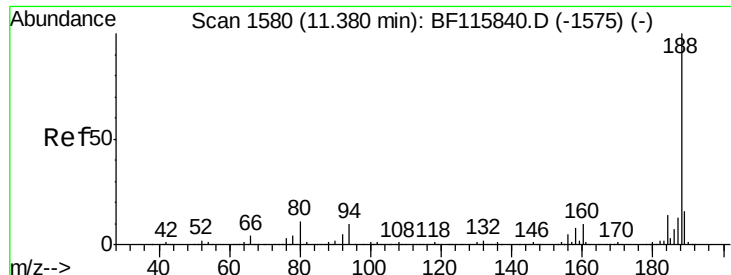
Tot Ion:172 Resp: 954081  
Ion Ratio Lower Upper  
172 100  
171 35.6 29.6 44.4  
170 24.5 20.1 30.1



#50  
Dimethylphthalate  
Concen: 5.455 ng  
RT: 9.56 min Scan# 1270  
Delta R.T. -0.05 min  
Lab File: BF116353.D  
Acq: 17 Aug 2019 13:24

Tgt Ion:163 Resp: 100691  
Ion Ratio Lower Upper  
163 100  
194 3.5 3.0 4.6  
164 9.8 8.4 12.6

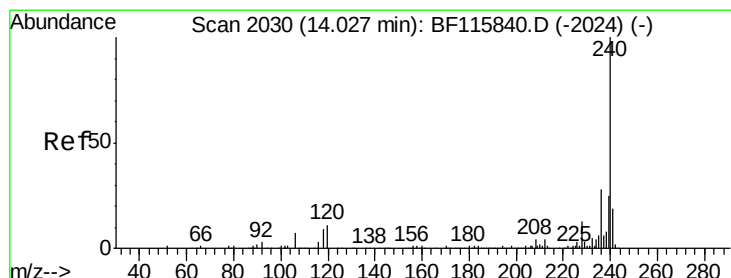
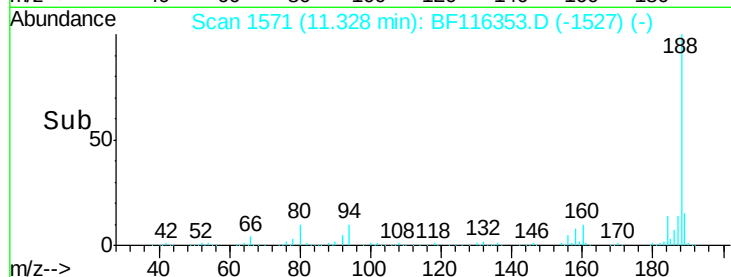
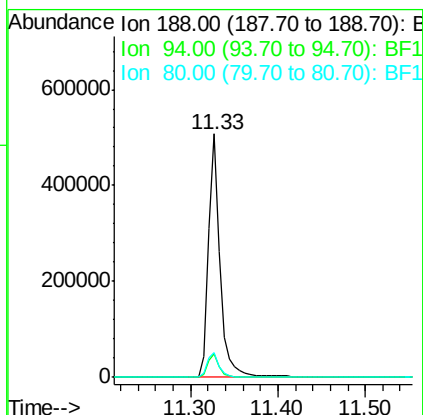
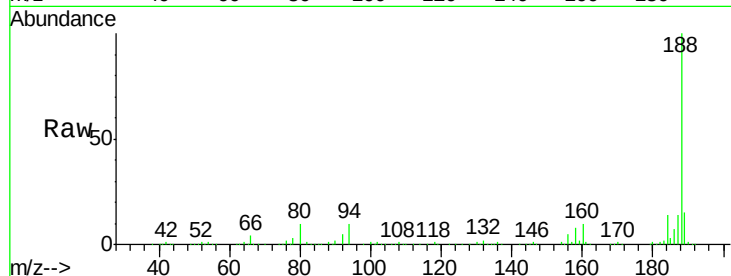




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.33 min Scan# 1571  
Delta R.T. -0.04 min  
Lab File: BF116353.D  
Acq: 17 Aug 2019 13:24

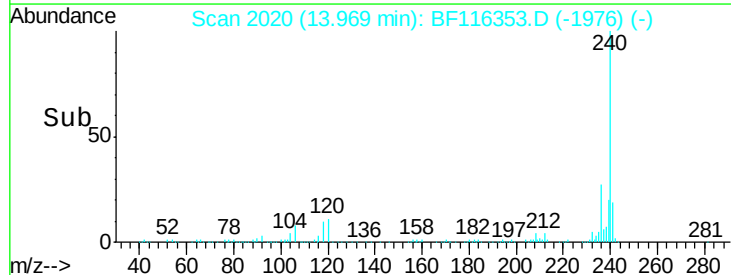
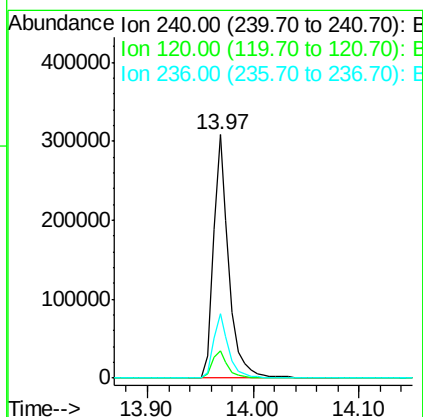
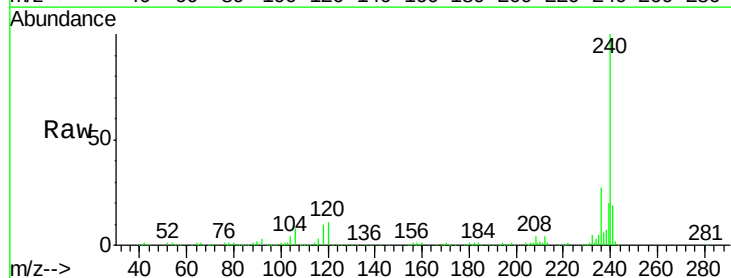
Instrument :  
BNA\_F  
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STOCKPILE-175-LANDERS-PIT

Tot Ion:188 Resp: 469868  
Ion Ratio Lower Upper  
188 100  
94 9.8 8.1 12.1  
80 10.4 8.7 13.1

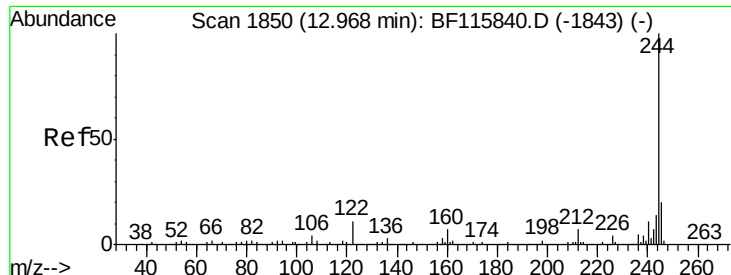


#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.97 min Scan# 2020  
Delta R.T. -0.04 min  
Lab File: BF116353.D  
Acq: 17 Aug 2019 13:24

Tgt Ion:240 Resp: 315333  
Ion Ratio Lower Upper  
240 100  
120 11.2 10.7 16.1  
236 26.6 22.2 33.2



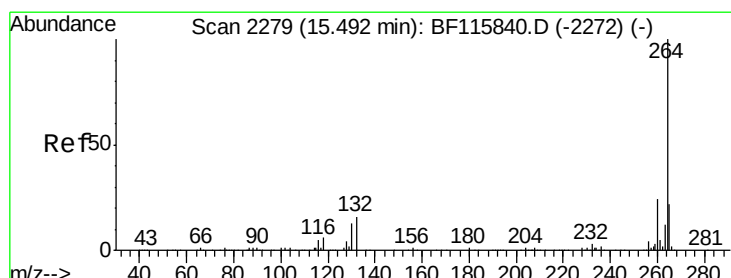
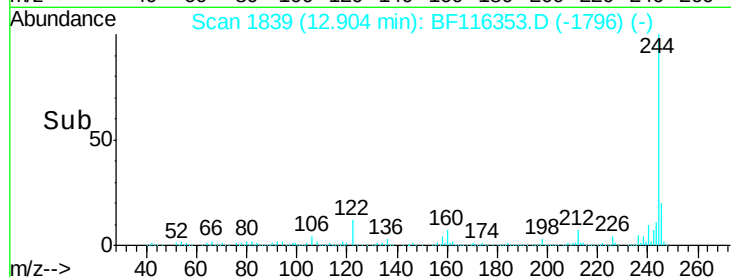
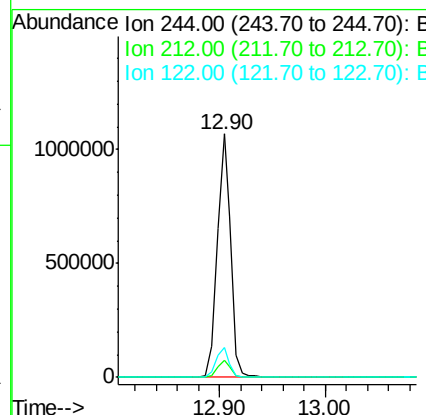
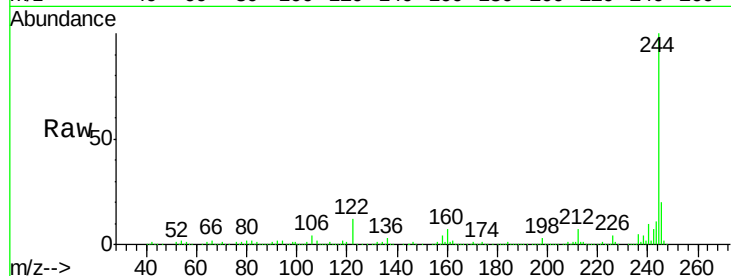




#79  
 Terphenyl-d14  
 Concen: 64.191 ng  
 RT: 12.90 min Scan# 1839  
 Delta R.T. -0.05 min  
 Lab File: BF116353.D  
 Acq: 17 Aug 2019 13:24

Instrument :  
 BNA\_F  
 ClientSampleId :  
 STOCKPILE-175-LANDERS-PIT

Tot Ion:244 Resp: 960602  
 Ion Ratio Lower Upper  
 244 100  
 212 7.0 5.8 8.8  
 122 12.2 9.0 13.4



#87  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.43 min Scan# 2268  
 Delta R.T. -0.05 min  
 Lab File: BF116353.D  
 Acq: 17 Aug 2019 13:24

Tgt Ion:264 Resp: 298141  
 Ion Ratio Lower Upper  
 264 100  
 260 23.8 19.7 29.5  
 265 21.9 17.4 26.0

