

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF112515\  
 Data File : BF083287.D  
 Acq On : 25 Nov 2015 21:49  
 Operator : UM/IZ  
 Sample : G4567-03 5X  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 STOCKPILE-COMPOSITE3

Quant Time: Nov 26 01:17:14 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\Methods\8270-BF112115.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sun Nov 22 09:22:46 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.74  | 152  | 145854   | 20.00 | ng    | 0.08     |
| 21) Naphthalene-d8        | 7.87  | 136  | 571328   | 20.00 | ng    | -0.08    |
| 38) Acenaphthene-d10      | 9.62  | 164  | 257406   | 20.00 | ng    | -0.08    |
| 63) Phenanthrene-d10      | 11.10 | 188  | 390980   | 20.00 | ng    | -0.08    |
| 75) Chrysene-d12          | 13.73 | 240  | 386455   | 20.00 | ng    | -0.08    |
| 86) Perylene-d12          | 15.09 | 264  | 423330   | 20.00 | ng    | -0.08    |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 5) 2-Fluorophenol           | 5.18  | 112  | 313974   | 32.55 | ng    | -0.10    |
| 7) Phenol-d6                | 6.25  | 99   | 442105   | 35.42 | ng    | -0.09    |
| 23) Nitrobenzene-d5         | 7.15  | 82   | 280142   | 22.41 | ng    | -0.08    |
| 41) 2,4,6-Tribromophenol    | 10.41 | 330  | 66136    | 25.11 | ng    | -0.08    |
| 44) 2-Fluorobiphenyl        | 8.96  | 172  | 381489   | 20.67 | ng    | -0.07    |
| 78) Terphenyl-d14           | 12.69 | 244  | 257670   | 15.70 | ng    | -0.08    |

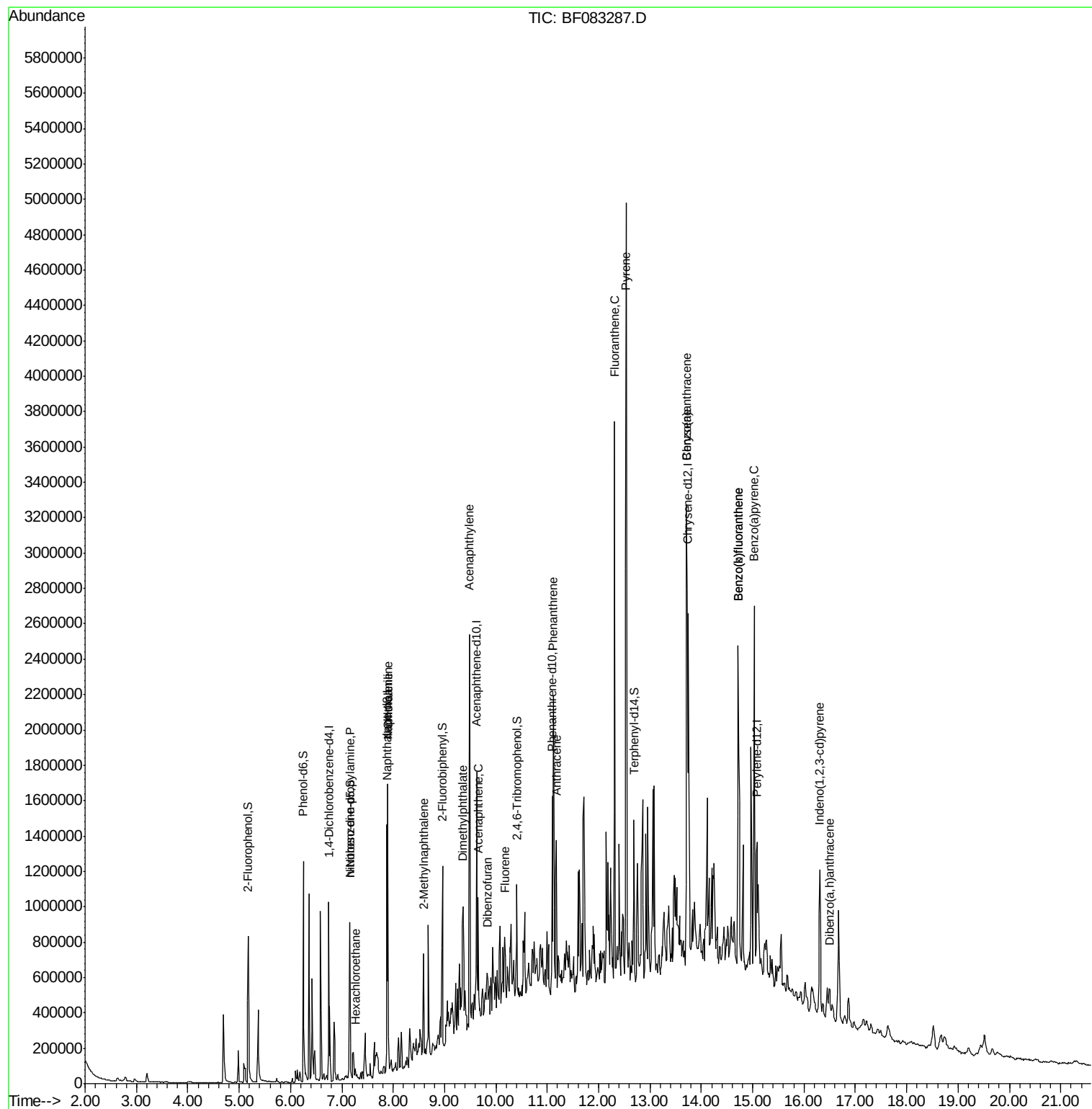
| Target Compounds               | R.T.  | QIon | Response | Conc      | Units | Qvalue |
|--------------------------------|-------|------|----------|-----------|-------|--------|
| 9) Benzaldehyde                | 6.26  | 77   | 3397     | Below Cal | #     | 1      |
| 18) Hexachloroethane           | 7.27  | 117  | 18450    | 4.35      | ng    | 1      |
| 19) n-Nitroso-di-n-propylamine | 7.15  | 70   | 36154    | 4.16      | ng    | 78     |
| 31) Naphthalene                | 7.90  | 128  | 639530   | 20.74     | ng    | 100    |
| 33) 4-Chloroaniline            | 7.90  | 127  | 86992    | 7.27      | ng    | 28     |
| 37) 2-Methylnaphthalene        | 8.59  | 142  | 179154   | 8.95      | ng    | 96     |
| 48) Acenaphthylene             | 9.48  | 152  | 828931   | 31.08     | ng    | 100    |
| 49) Dimethylphthalate          | 9.36  | 163  | 79486    | 4.01      | ng    | 99     |
| 51) Acenaphthene               | 9.66  | 154  | 140568   | 8.66      | ng    | 96     |
| 54) Dibenzofuran               | 9.83  | 168  | 49755    | 2.17      | ng    | 83     |
| 57) Fluorene                   | 10.17 | 166  | 218027   | 11.50     | ng    | 92     |
| 70) Phenanthrene               | 11.12 | 178  | 669775   | 29.73     | ng    | 98     |
| 71) Anthracene                 | 11.18 | 178  | 458365   | 19.94     | ng    | 98     |
| 74) Fluoranthene               | 12.31 | 202  | 1254762  | 54.43     | ng    | 99     |
| 77) Pyrene                     | 12.54 | 202  | 2043271  | 77.39     | ng    | 99     |
| 80) Benzo(a)anthracene         | 13.71 | 228  | 1062556  | 44.46     | ng    | 73     |
| 82) Chrysene                   | 13.71 | 228  | 1062556  | 47.94     | ng    | 77     |
| 85) Indeno(1,2,3-cd)pyrene     | 16.31 | 276  | 474424   | 23.53     | ng    | 99     |
| 87) Benzo(b)fluoranthene       | 14.72 | 252  | 1288715  | 44.55     | ng    | 95     |
| 88) Benzo(k)fluoranthene       | 14.72 | 252  | 1288046  | 59.77     | ng    | 96     |
| 89) Benzo(a)pyrene             | 15.03 | 252  | 1001608  | 41.94     | ng    | 94     |
| 90) Dibenzo(a,h)anthracene     | 16.50 | 278  | 116594   | 5.37      | ng    | 92     |

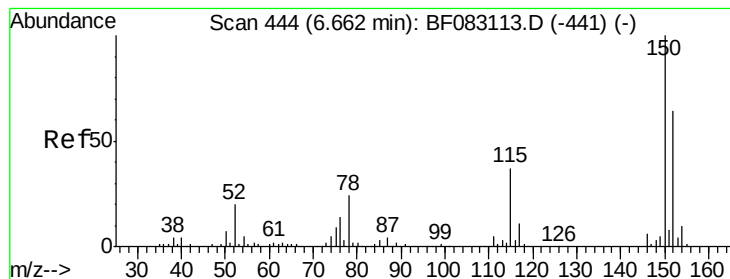
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF112515\  
Data File : BF083287.D  
Acq On : 25 Nov 2015 21:49  
Operator : UM/IZ  
Sample : G4567-03 5X  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
STOCKPILE-COMPOSITE3

Quant Time: Nov 26 01:17:14 2015  
Quant Method : Z:\HPCHEM1\BNA\_F\Methods\8270-BF112115.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sun Nov 22 09:22:46 2015  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.74 min Scan# 416

Delta R.T. 0.08 min

Lab File: BF083287.D

Acq: 25 Nov 2015 21:49

Instrument :

BNA\_F

ClientSampleId :

STOCKPILE-COMPOSITE3

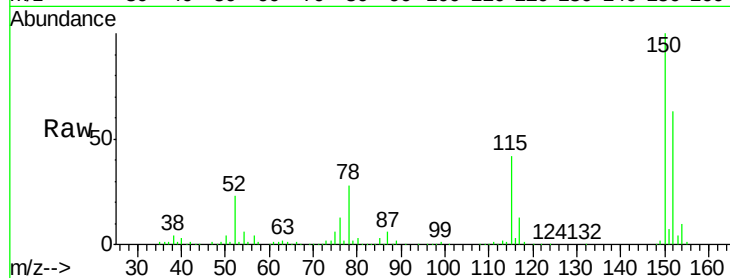
Tgt Ion:152 Resp: 145854

Ion Ratio Lower Upper

152 100

150 159.4 125.8 188.8

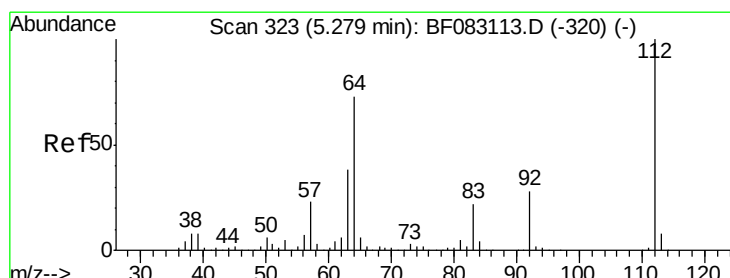
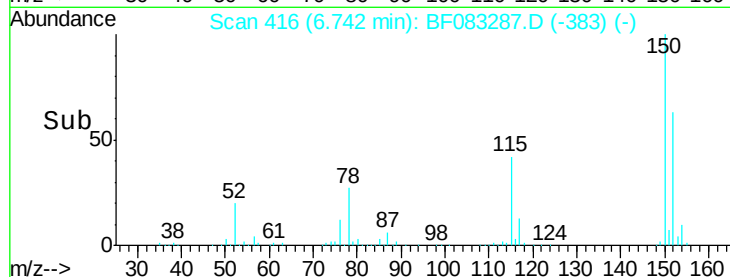
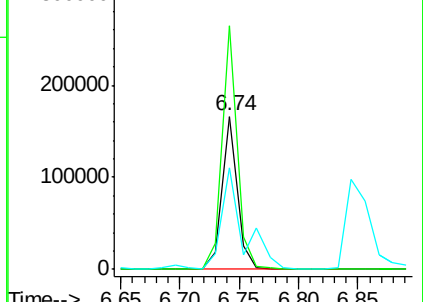
115 66.8 46.9 70.3



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: 32.55 ng

RT: 5.18 min Scan# 279

Delta R.T. -0.10 min

Lab File: BF083287.D

Acq: 25 Nov 2015 21:49

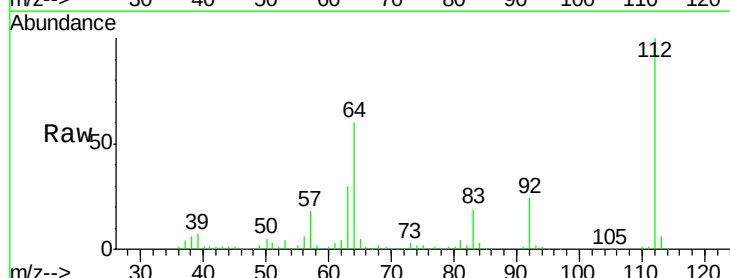
Tgt Ion:112 Resp: 313974

Ion Ratio Lower Upper

112 100

64 59.8 58.4 87.6

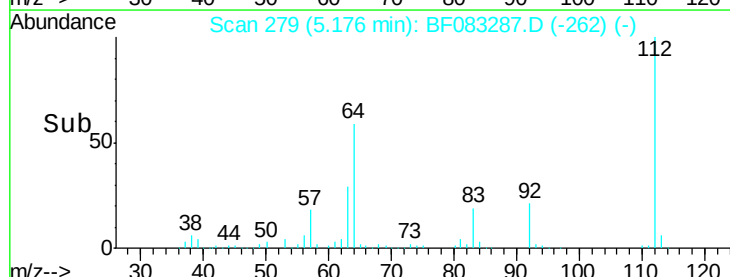
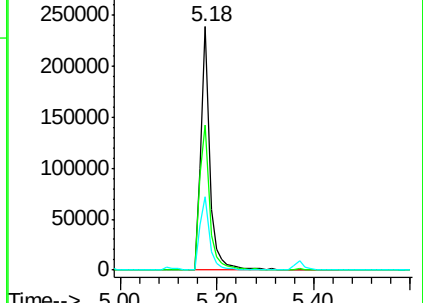
63 30.1 30.0 45.0

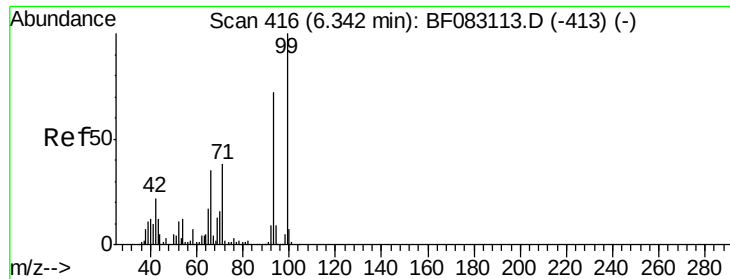


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 35.42 ng

RT: 6.25 min Scan# 373

Delta R.T. -0.09 min

Lab File: BF083287.D

Acq: 25 Nov 2015 21:49

Instrument :

BNA\_F

ClientSampleId :

STOCKPILE-COMPOSITE3

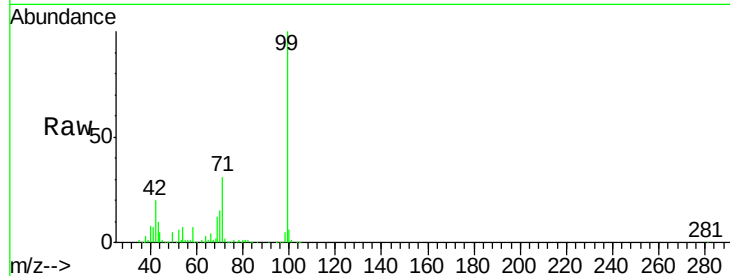
Tgt Ion: 99 Resp: 442105

Ion Ratio Lower Upper

99 100

42 19.5 17.7 26.5

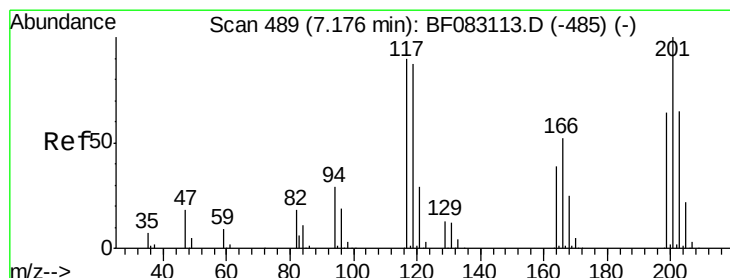
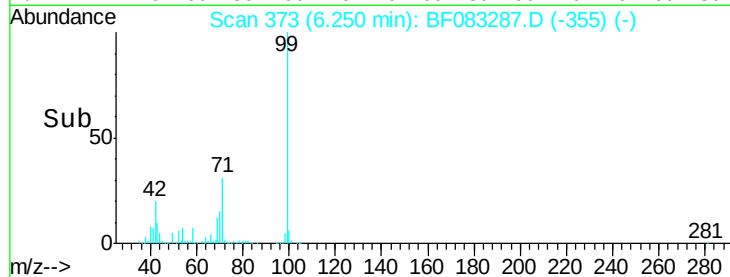
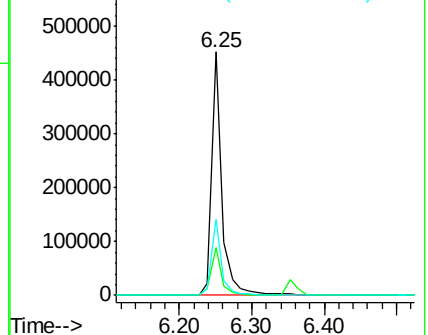
71 31.4 30.2 45.4



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#18

Hexachloroethane

Concen: 4.35 ng

RT: 7.27 min Scan# 462

Delta R.T. 0.09 min

Lab File: BF083287.D

Acq: 25 Nov 2015 21:49

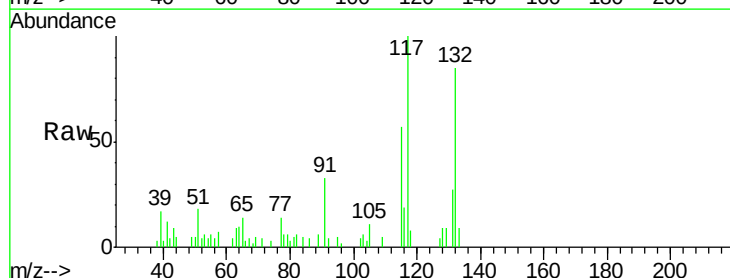
Tgt Ion: 117 Resp: 18450

Ion Ratio Lower Upper

117 100

119 0.0 76.8 115.2#

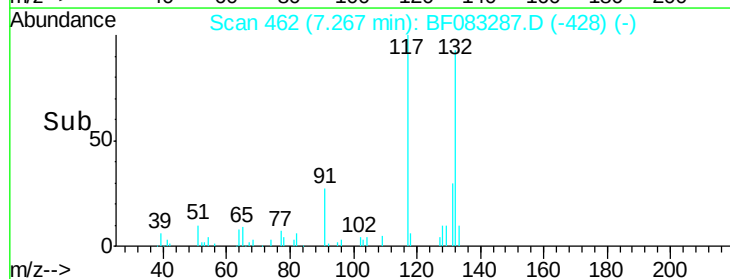
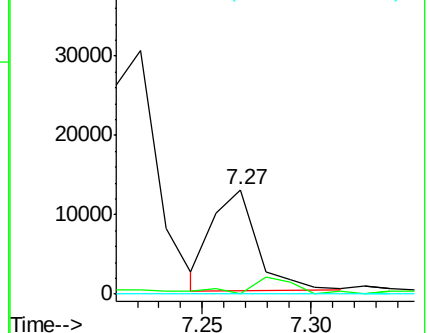
201 0.0 88.6 133.0#

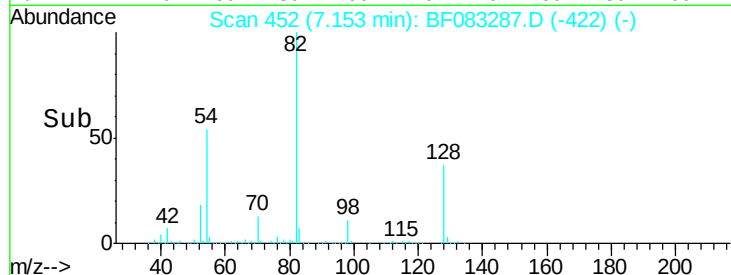
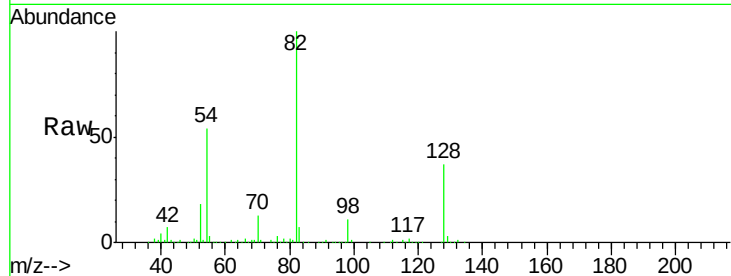
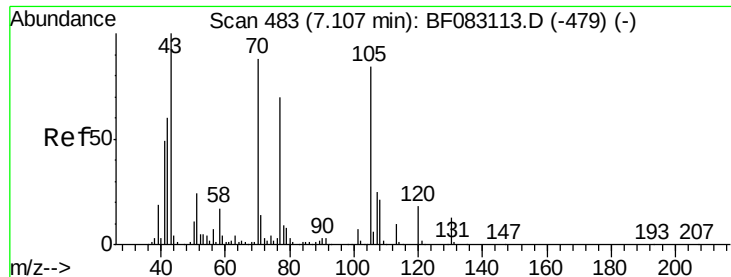


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

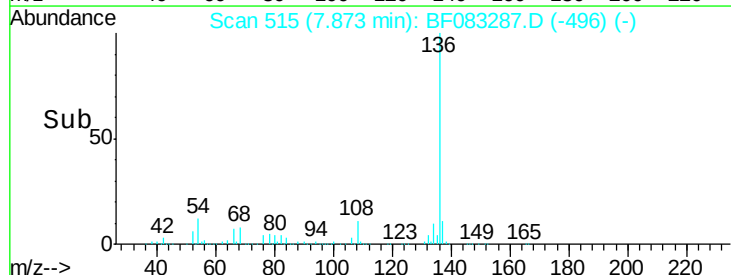
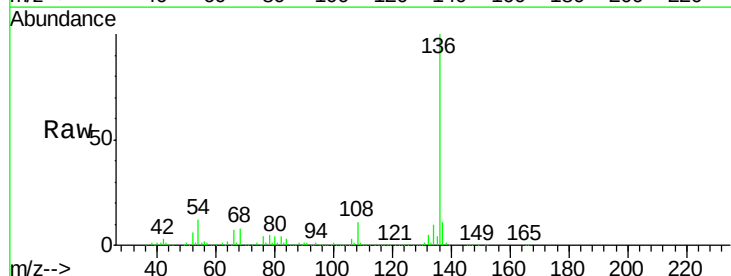
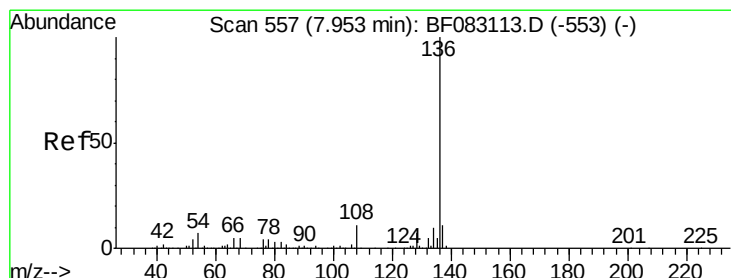
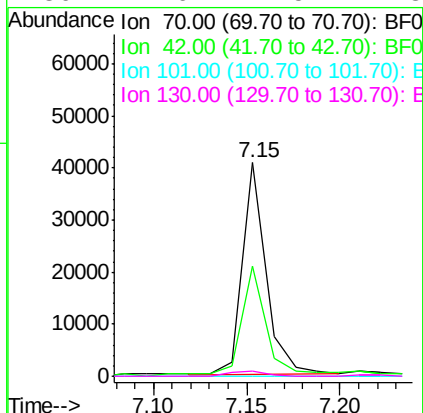




#19  
n-Nitroso-di-n-propylamine  
Concen: 4.16 ng  
RT: 7.15 min Scan# 452  
Delta R.T. 0.05 min  
Lab File: BF083287.D  
Acq: 25 Nov 2015 21:49

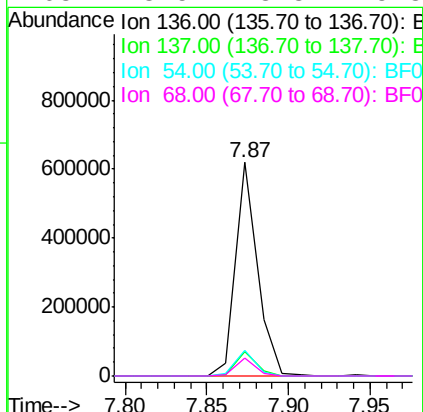
Instrument :  
BNA\_F  
ClientSampleId :  
STOCKPILE-COMPOSITE3

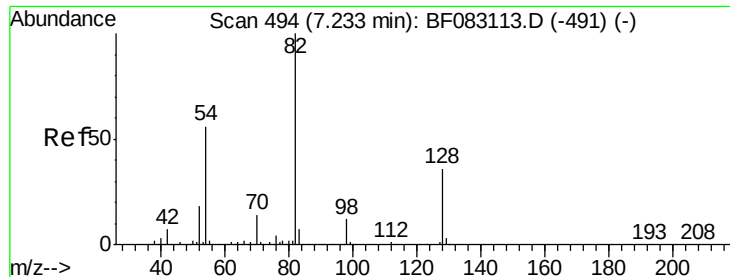
Tgt Ion: 70 Resp: 36154  
Ion Ratio Lower Upper  
70 100  
42 51.4 54.5 81.7#  
101 0.0 6.6 9.8#  
130 2.6 11.5 17.3#



#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 7.87 min Scan# 515  
Delta R.T. -0.08 min  
Lab File: BF083287.D  
Acq: 25 Nov 2015 21:49

Tgt Ion: 136 Resp: 571328  
Ion Ratio Lower Upper  
136 100  
137 11.4 8.7 13.1  
54 11.9 5.8 8.6#  
68 8.5 3.8 5.8#

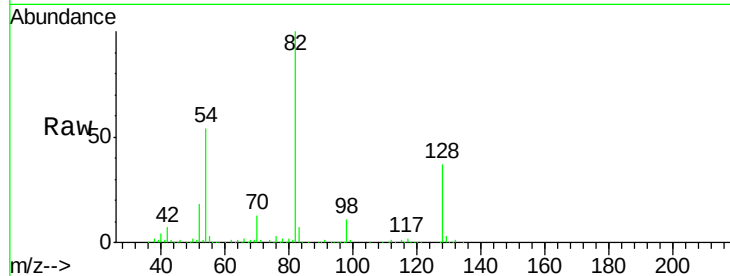




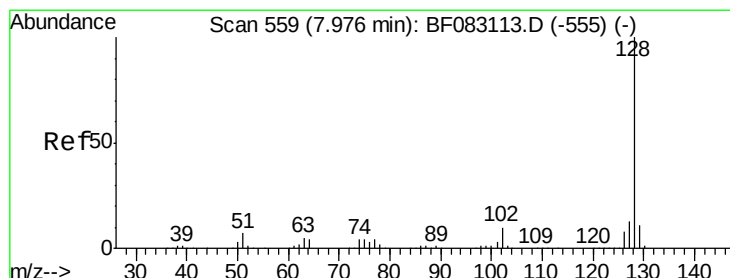
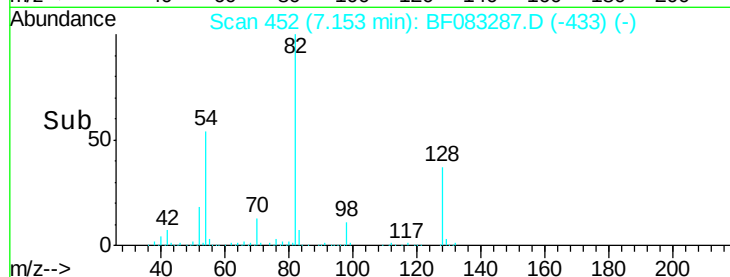
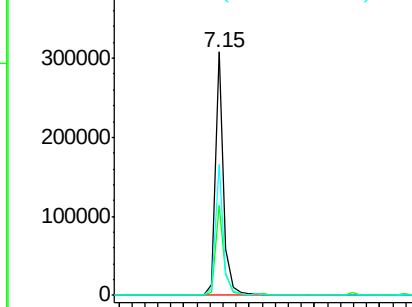
#23  
Nitrobenzene-d5  
Concen: 22.41 ng  
RT: 7.15 min Scan# 452  
Delta R.T. -0.08 min  
Lab File: BF083287.D  
Acq: 25 Nov 2015 21:49

Instrument :  
BNA\_F  
ClientSampleId :  
STOCKPILE-COMPOSITE3

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 36.8  | 28.5  | 42.7  |
| 54      | 54.0  | 44.6  | 67.0  |

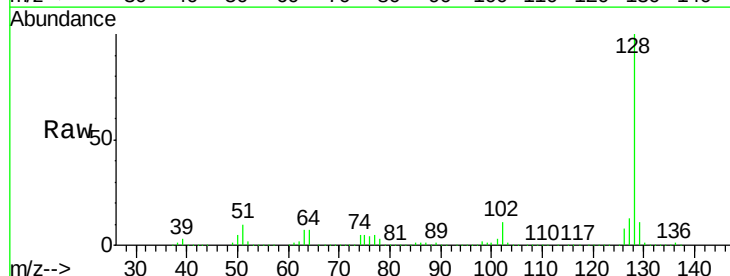


Abundance Ion 82.00 (81.70 to 82.70): BF0  
Ion 128.00 (127.70 to 128.70): E  
Ion 54.00 (53.70 to 54.70): BF0

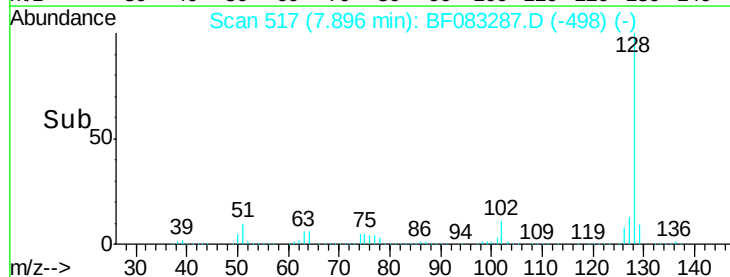
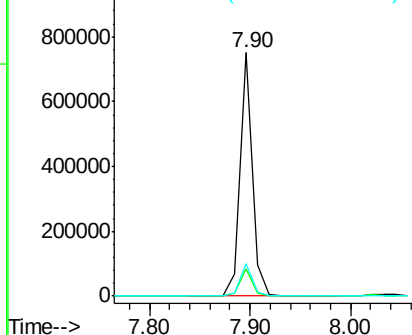


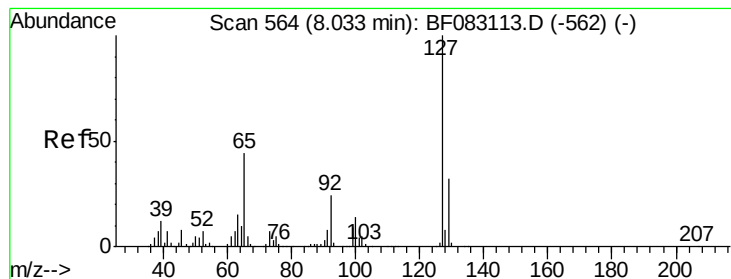
#31  
Naphthalene  
Concen: 20.74 ng  
RT: 7.90 min Scan# 517  
Delta R.T. -0.08 min  
Lab File: BF083287.D  
Acq: 25 Nov 2015 21:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 129     | 11.4  | 9.0   | 13.4  |
| 127     | 13.3  | 10.6  | 15.8  |



Abundance Ion 128.00 (127.70 to 128.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 127.00 (126.70 to 127.70): E





#33

4-Chloroaniline

Concen: 7.27 ng

RT: 7.90 min Scan# 517

Delta R.T. -0.14 min

Lab File: BF083287.D

Acq: 25 Nov 2015 21:49

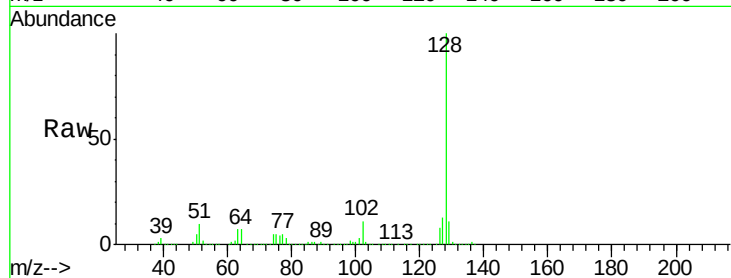
Instrument :

BNA\_F

ClientSampleId :

STOCKPILE-COMPOSITE3

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 127   | Resp: | 86992 |
| Ion      | Ratio | Lower | Upper |
| 127      | 100   |       |       |
| 129      | 85.5  | 25.7  | 38.5# |
| 65       | 0.0   | 35.5  | 53.3# |
| 92       | 0.0   | 19.4  | 29.2# |

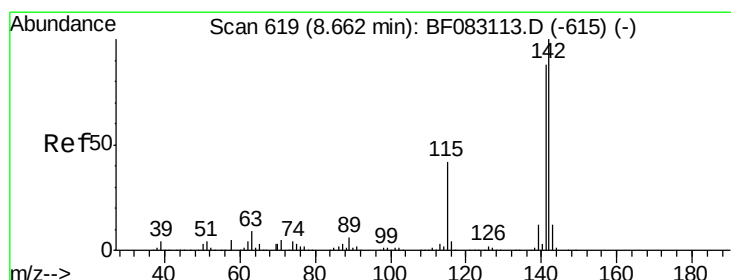
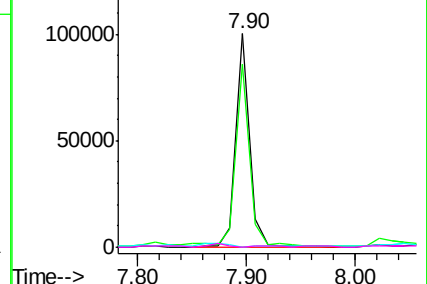
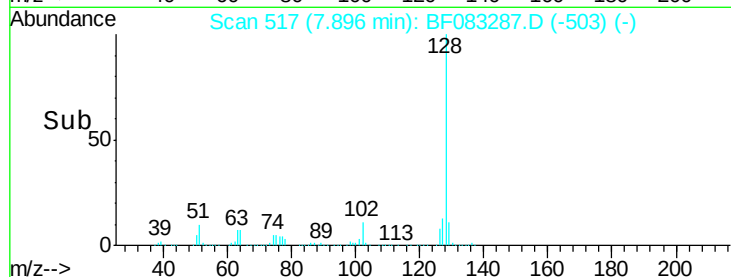


Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0



#37

2-Methylnaphthalene

Concen: 8.95 ng

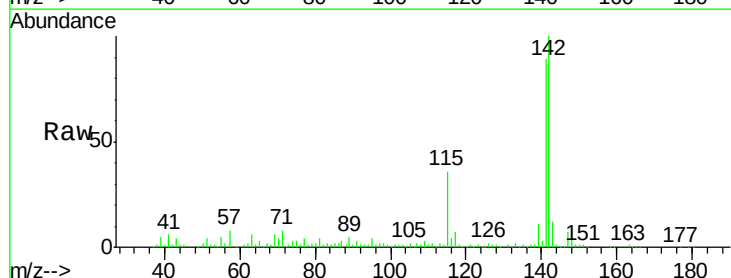
RT: 8.59 min Scan# 578

Delta R.T. -0.07 min

Lab File: BF083287.D

Acq: 25 Nov 2015 21:49

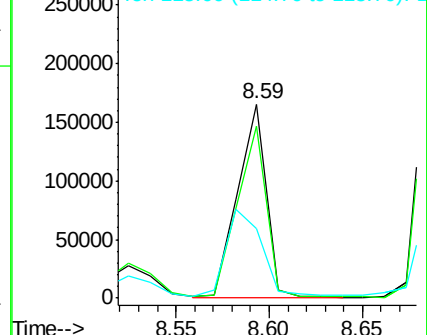
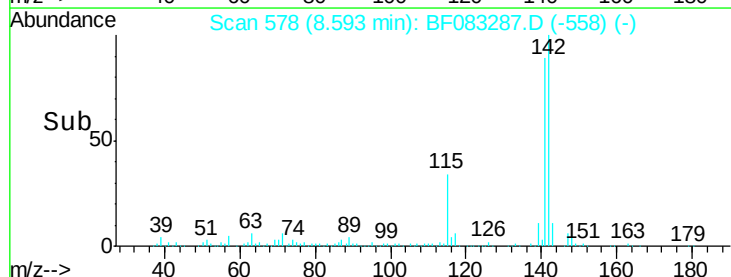
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 142   | Resp: | 179154 |
| Ion      | Ratio | Lower | Upper  |
| 142      | 100   |       |        |
| 141      | 89.0  | 70.3  | 105.5  |
| 115      | 35.7  | 33.4  | 50.2   |

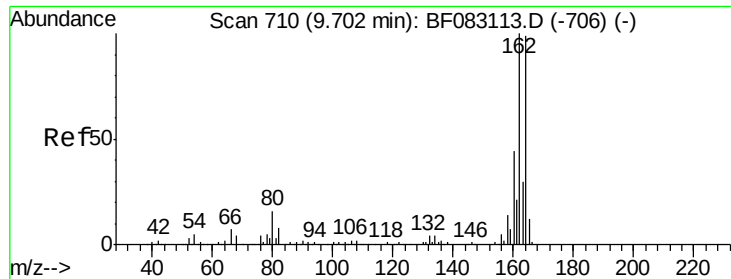


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.62 min Scan# 668

Delta R.T. -0.08 min

Lab File: BF083287.D

Acq: 25 Nov 2015 21:49

Instrument :

BNA\_F

ClientSampleId :

STOCKPILE-COMPOSITE3

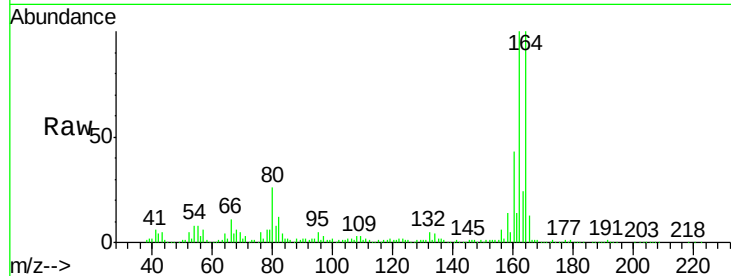
Tgt Ion:164 Resp: 257406

Ion Ratio Lower Upper

164 100

162 100.1 81.2 121.8

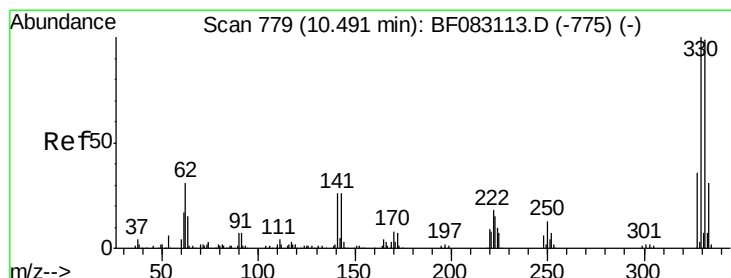
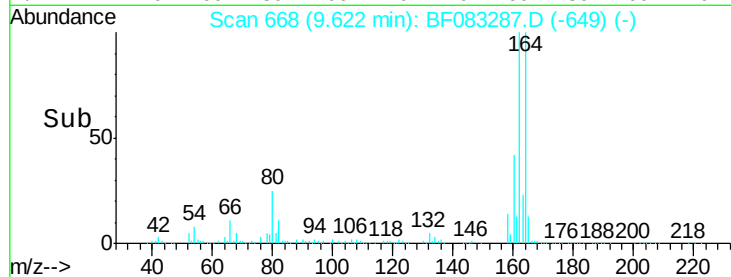
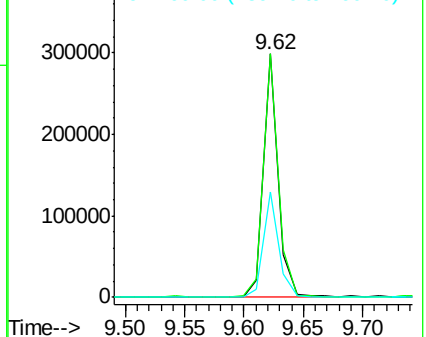
160 43.4 35.6 53.4



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



#41

2,4,6-Tribromophenol

Concen: 25.11 ng

RT: 10.41 min Scan# 737

Delta R.T. -0.08 min

Lab File: BF083287.D

Acq: 25 Nov 2015 21:49

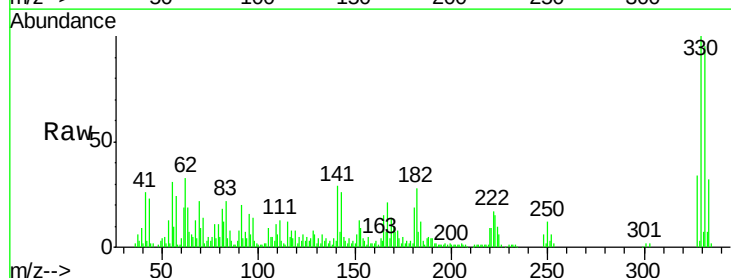
Tgt Ion:330 Resp: 66136

Ion Ratio Lower Upper

330 100

332 94.8 77.7 116.5

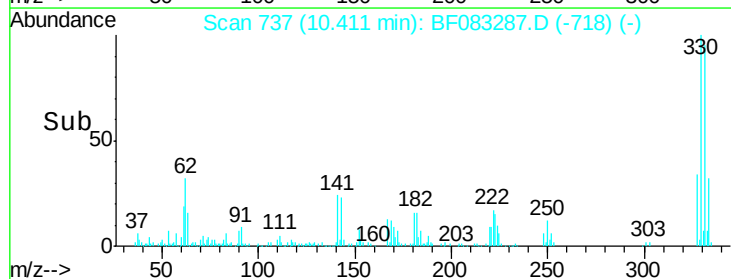
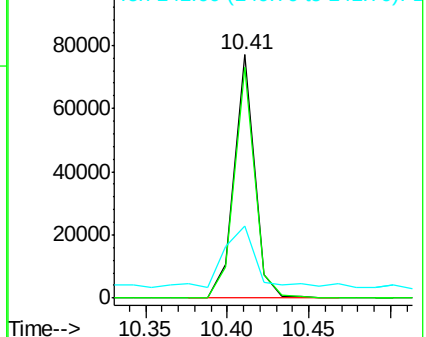
141 41.2 29.7 44.5



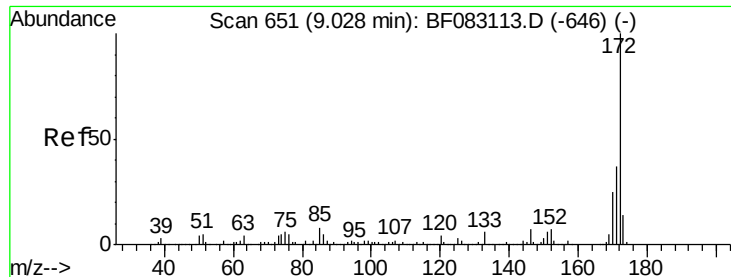
Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



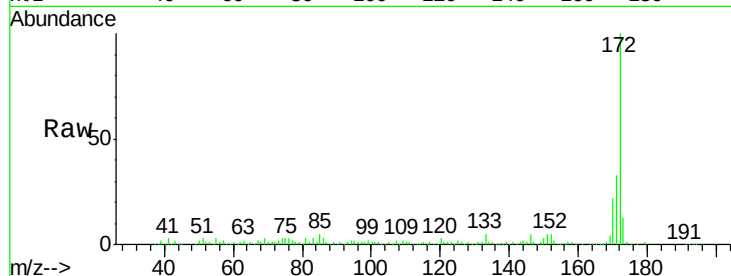




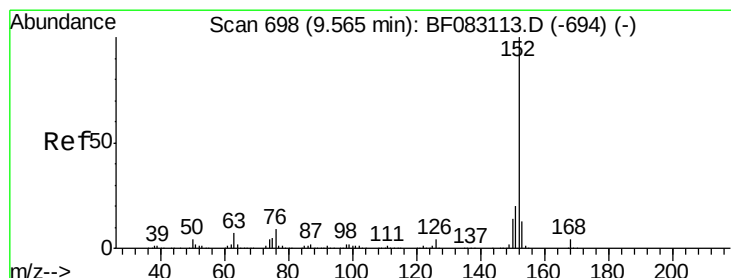
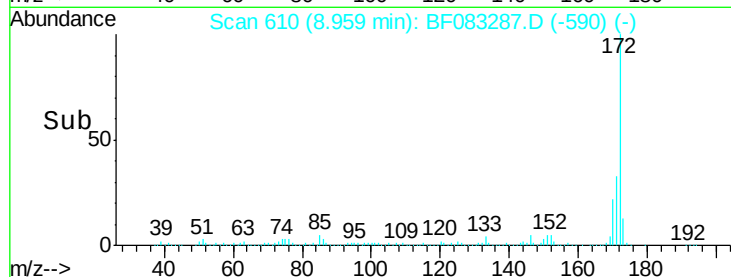
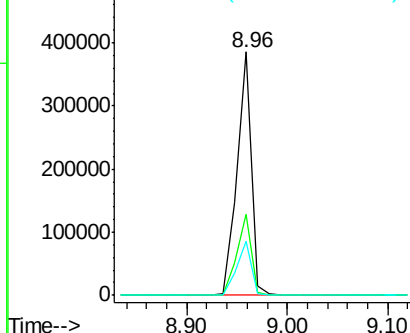
#44  
2-Fluorobiphenyl  
Concen: 20.67 ng  
RT: 8.96 min Scan# 610  
Delta R.T. -0.07 min  
Lab File: BF083287.D  
Acq: 25 Nov 2015 21:49

Instrument :  
BNA\_F  
ClientSampleId :  
STOCKPILE-COMPOSITE3

Tgt Ion:172 Resp: 381489  
Ion Ratio Lower Upper  
172 100  
171 33.2 29.5 44.3  
170 22.0 19.9 29.9

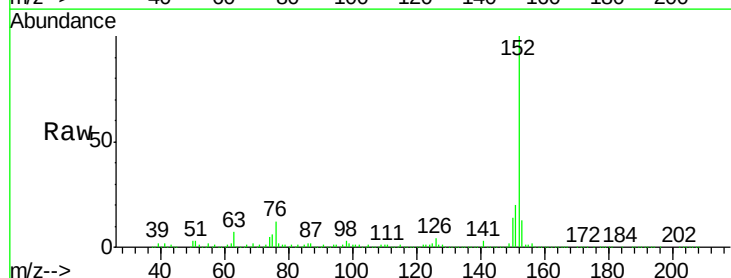


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

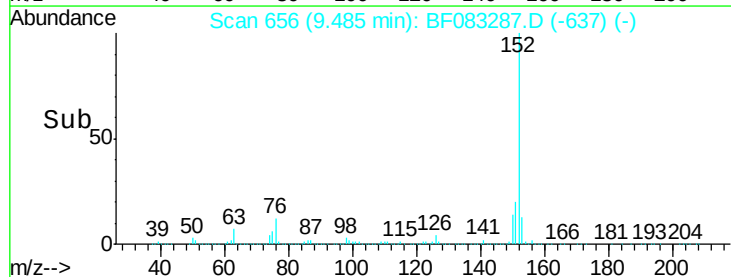
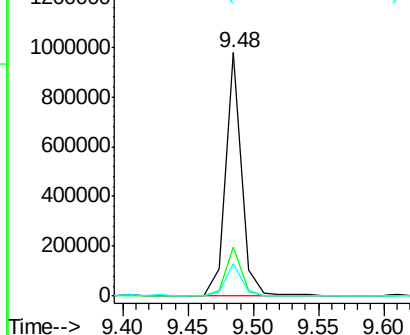


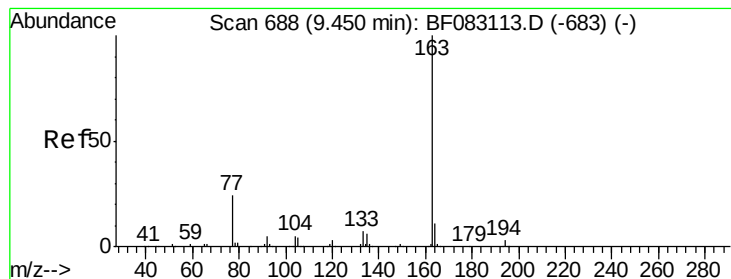
#48  
Acenaphthylene  
Concen: 31.08 ng  
RT: 9.48 min Scan# 656  
Delta R.T. -0.08 min  
Lab File: BF083287.D  
Acq: 25 Nov 2015 21:49

Tgt Ion:152 Resp: 828931  
Ion Ratio Lower Upper  
152 100  
151 20.4 16.3 24.5  
153 13.4 10.8 16.2



Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 151.00 (150.70 to 151.70): E  
Ion 153.00 (152.70 to 153.70): E





#49

Dimethylphthalate

Concen: 4.01 ng

RT: 9.36 min Scan# 645

Delta R.T. -0.09 min

Lab File: BF083287.D

Acq: 25 Nov 2015 21:49

Instrument :

BNA\_F

ClientSampleId :

STOCKPILE-COMPOSITE3

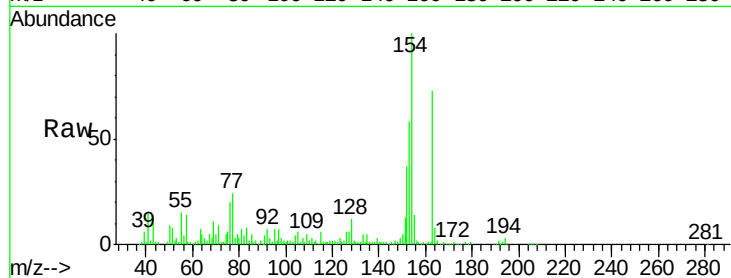
Tgt Ion:163 Resp: 79486

Ion Ratio Lower Upper

163 100

194 4.0 2.6 4.0#

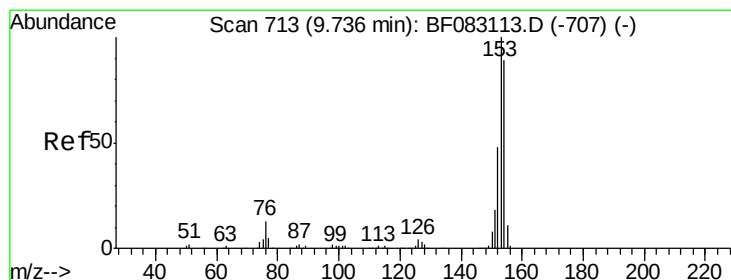
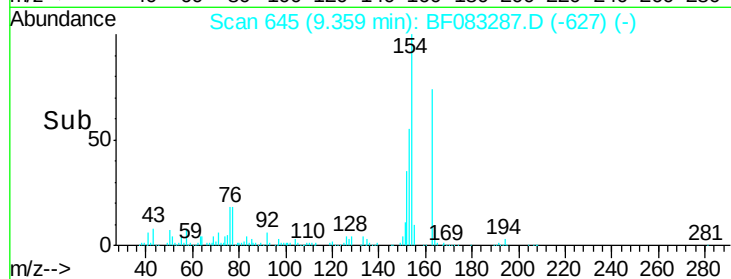
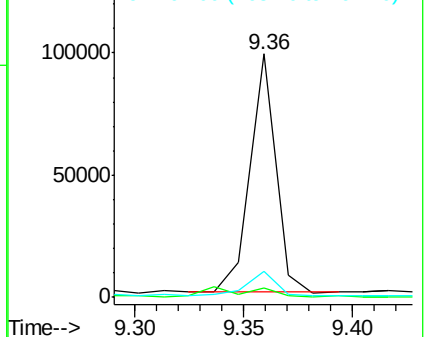
164 10.7 8.6 12.8



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



#51

Acenaphthene

Concen: 8.66 ng

RT: 9.66 min Scan# 671

Delta R.T. -0.08 min

Lab File: BF083287.D

Acq: 25 Nov 2015 21:49

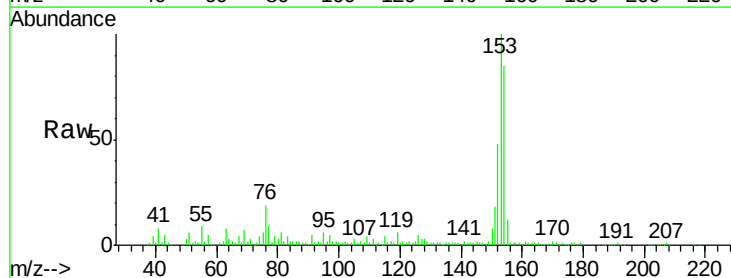
Tgt Ion:154 Resp: 140568

Ion Ratio Lower Upper

154 100

153 117.4 89.6 134.4

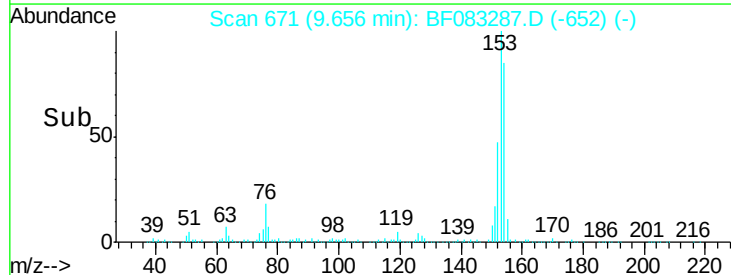
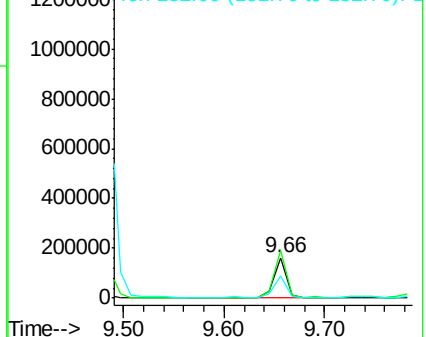
152 55.8 43.3 64.9

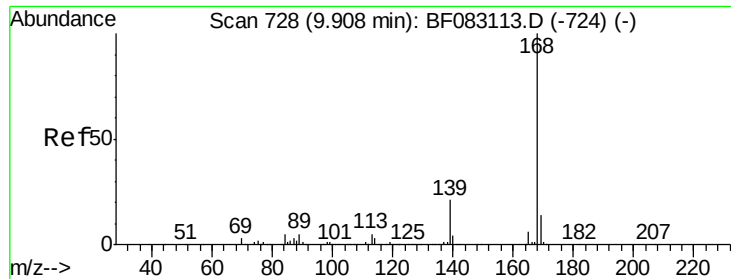


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#54

Dibenzenofuran

Concen: 2.17 ng

RT: 9.83 min Scan# 686

Delta R.T. -0.08 min

Lab File: BF083287.D

Acq: 25 Nov 2015 21:49

Instrument :

BNA\_F

ClientSampleId :

STOCKPILE-COMPOSITE3

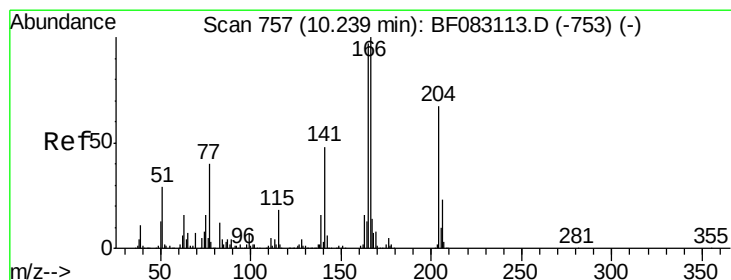
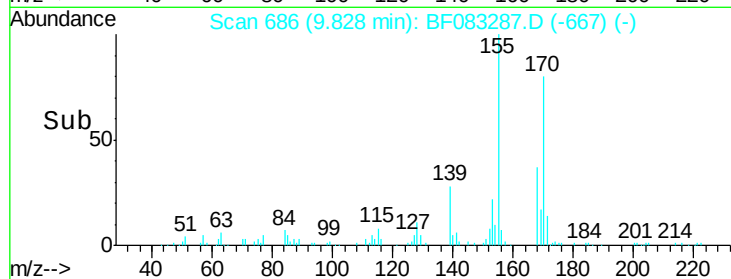
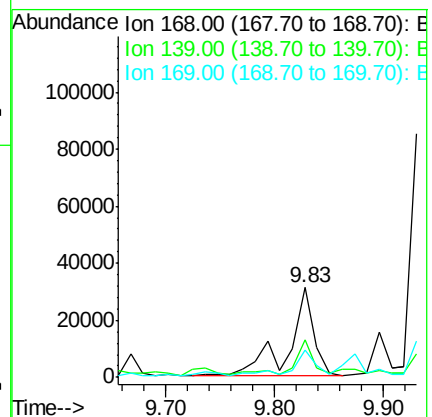
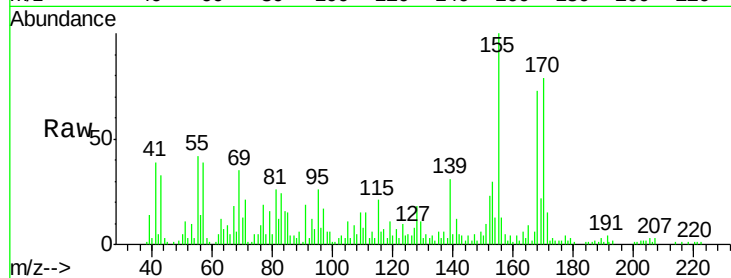
Tgt Ion:168 Resp: 49755

Ion Ratio Lower Upper

168 100

139 42.5 30.2 45.2

169 30.1 10.9 16.3#



#57

Fluorene

Concen: 11.50 ng

RT: 10.17 min Scan# 716

Delta R.T. -0.07 min

Lab File: BF083287.D

Acq: 25 Nov 2015 21:49

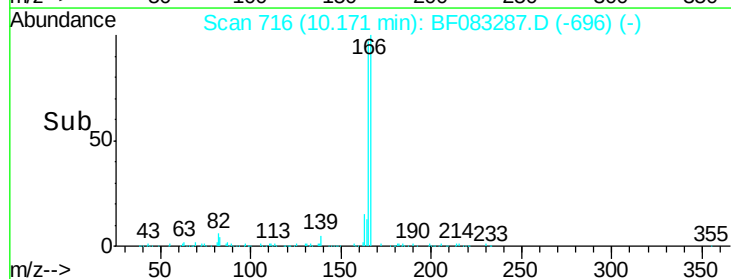
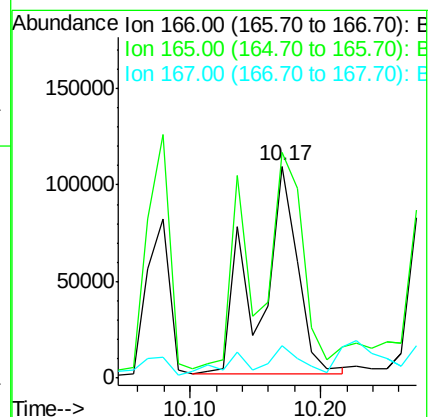
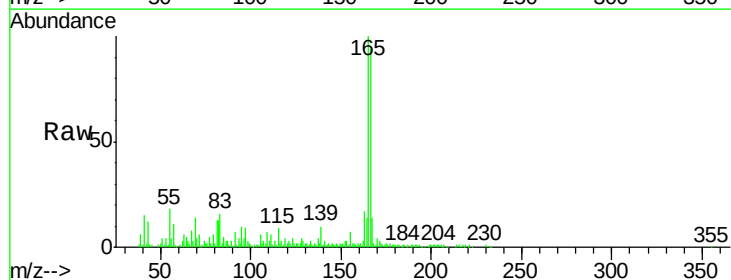
Tgt Ion:166 Resp: 218027

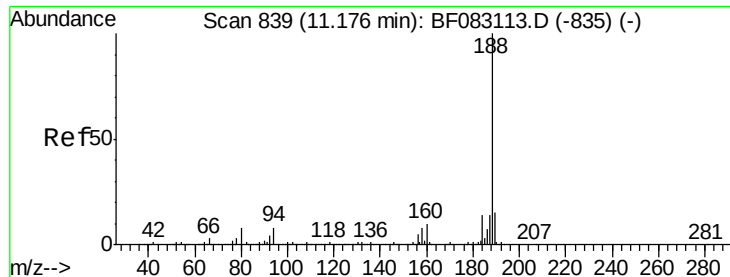
Ion Ratio Lower Upper

166 100

165 106.3 78.0 117.0

167 15.4 11.3 16.9

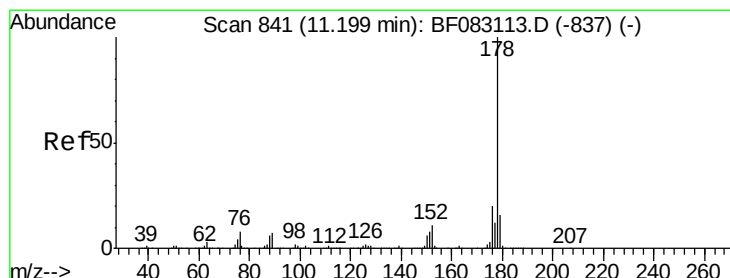
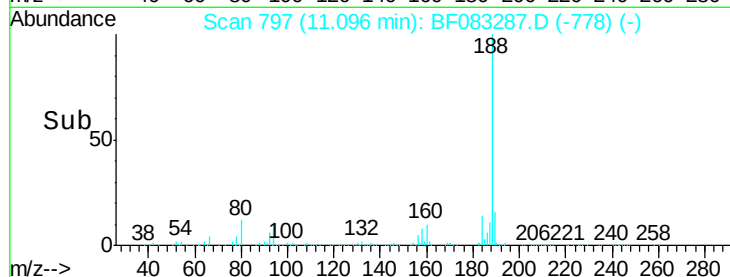
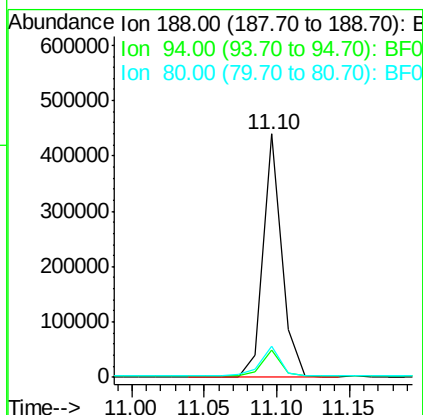
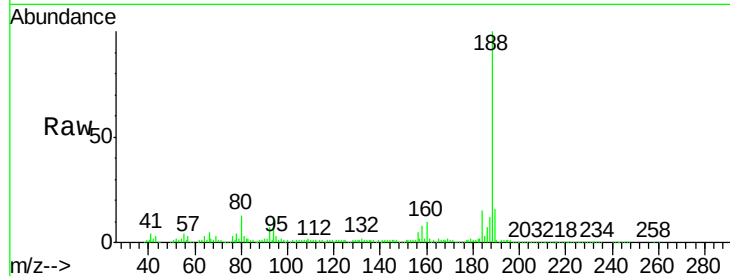




#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.10 min Scan# 797  
Delta R.T. -0.08 min  
Lab File: BF083287.D  
Acq: 25 Nov 2015 21:49

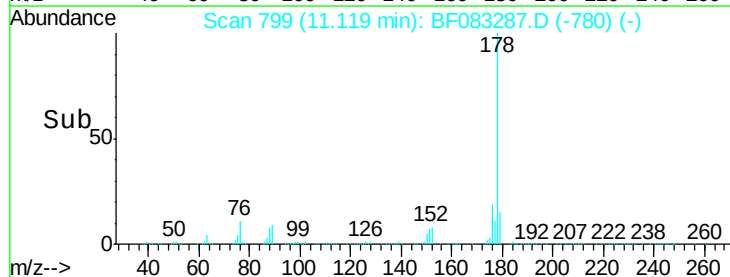
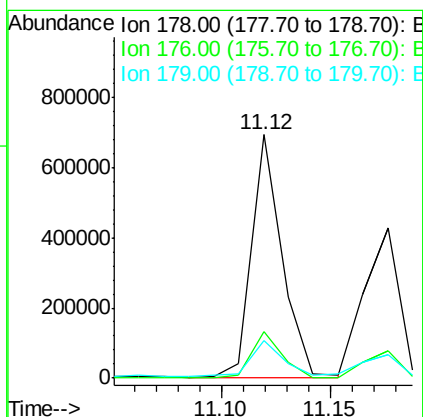
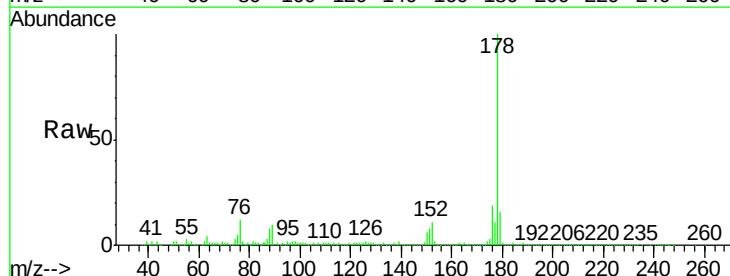
Instrument :  
BNA\_F  
ClientSampleId :  
STOCKPILE-COMPOSITE3

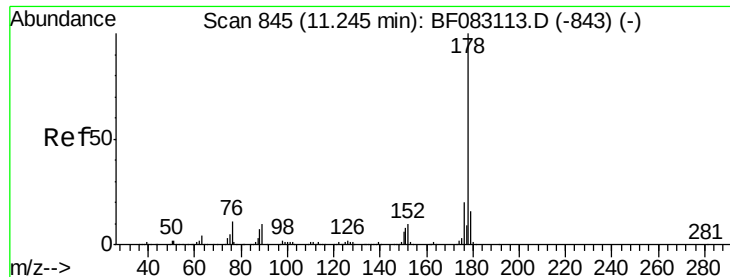
Tgt Ion:188 Resp: 390980  
Ion Ratio Lower Upper  
188 100  
94 11.3 6.0 9.0#  
80 12.9 6.7 10.1#



#70  
Phenanthrene  
Concen: 29.73 ng  
RT: 11.12 min Scan# 799  
Delta R.T. -0.08 min  
Lab File: BF083287.D  
Acq: 25 Nov 2015 21:49

Tgt Ion:178 Resp: 669775  
Ion Ratio Lower Upper  
178 100  
176 18.9 16.2 24.2  
179 15.7 12.8 19.2

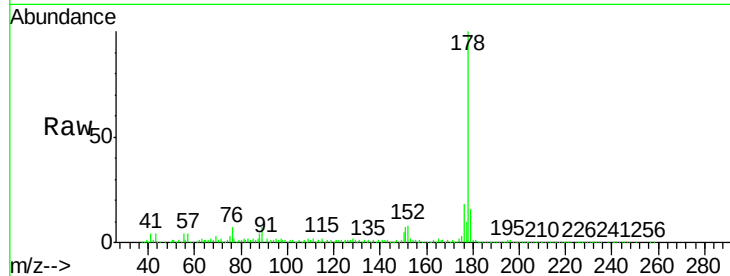




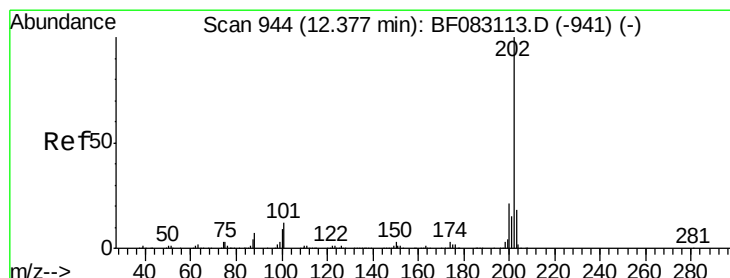
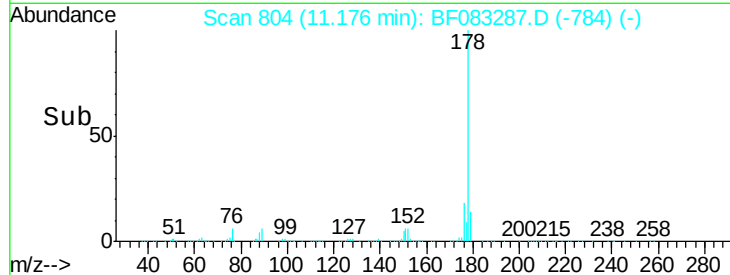
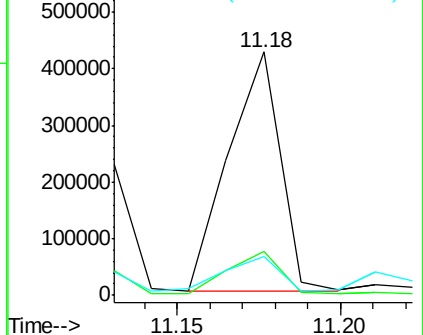
#71  
 Anthracene  
 Concen: 19.94 ng  
 RT: 11.18 min Scan# 804  
 Delta R.T. -0.07 min  
 Lab File: BF083287.D  
 Acq: 25 Nov 2015 21:49

Instrument :  
 BNA\_F  
 ClientSampleId :  
 STOCKPILE-COMPOSITE3

Tgt Ion:178 Resp: 458365  
 Ion Ratio Lower Upper  
 178 100  
 176 18.3 15.6 23.4  
 179 15.7 13.2 19.8

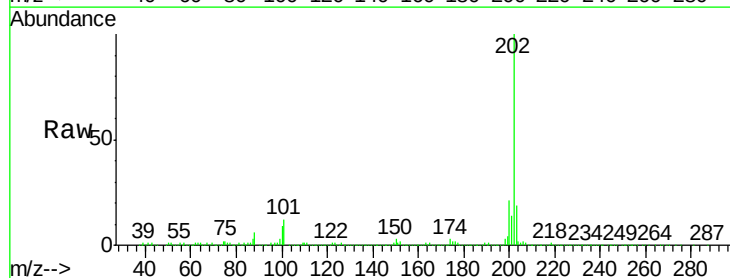


Abundance Ion 178.00 (177.70 to 178.70): E  
 Ion 176.00 (175.70 to 176.70): E  
 Ion 179.00 (178.70 to 179.70): E

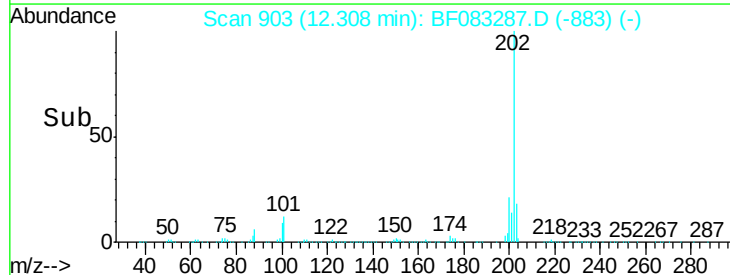
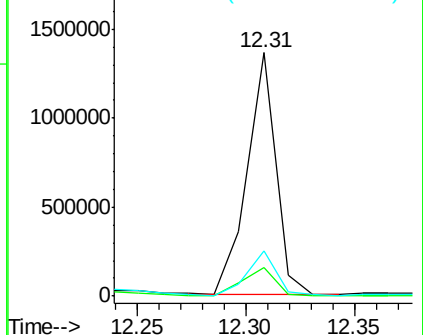


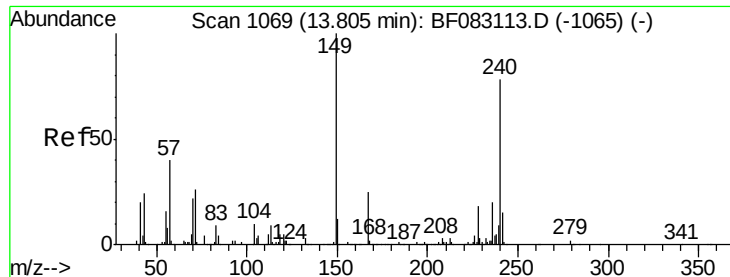
#74  
 Fluoranthene  
 Concen: 54.43 ng  
 RT: 12.31 min Scan# 903  
 Delta R.T. -0.07 min  
 Lab File: BF083287.D  
 Acq: 25 Nov 2015 21:49

Tgt Ion:202 Resp: 1254762  
 Ion Ratio Lower Upper  
 202 100  
 101 11.9 0.0 32.3  
 203 18.6 0.0 38.4



Abundance Ion 202.00 (201.70 to 202.70): E  
 Ion 101.00 (100.70 to 101.70): E  
 Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.73 min Scan# 1027

Delta R.T. -0.08 min

Lab File: BF083287.D

Acq: 25 Nov 2015 21:49

Instrument :

BNA\_F

ClientSampleId :

STOCKPILE-COMPOSITE3

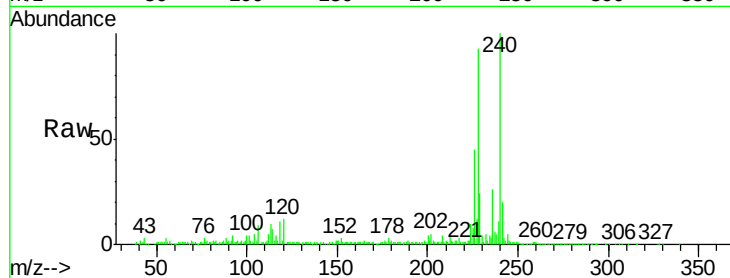
Tgt Ion:240 Resp: 386455

Ion Ratio Lower Upper

240 100

120 12.2 5.4 8.2#

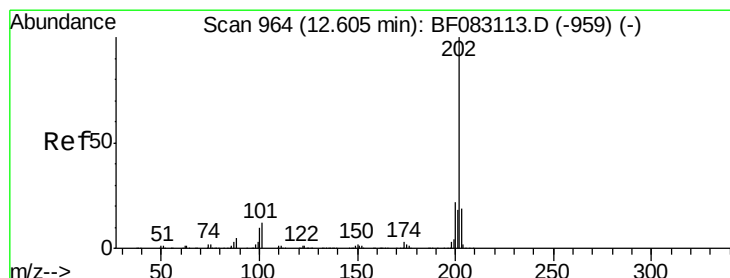
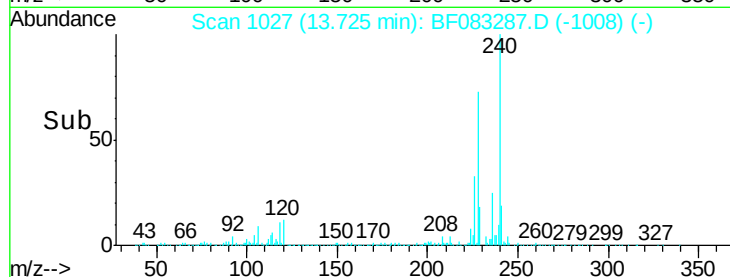
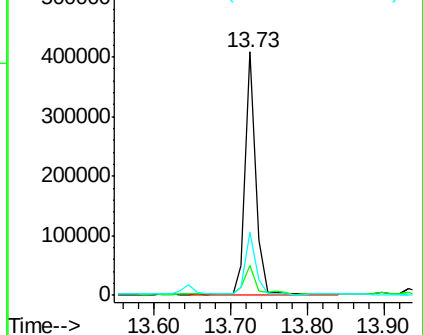
236 25.8 20.6 31.0



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



#77

Pyrene

Concen: 77.39 ng

RT: 12.54 min Scan# 923

Delta R.T. -0.07 min

Lab File: BF083287.D

Acq: 25 Nov 2015 21:49

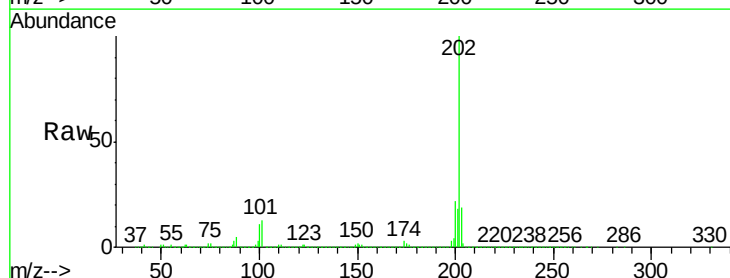
Tgt Ion:202 Resp: 2043271

Ion Ratio Lower Upper

202 100

200 21.7 17.8 26.6

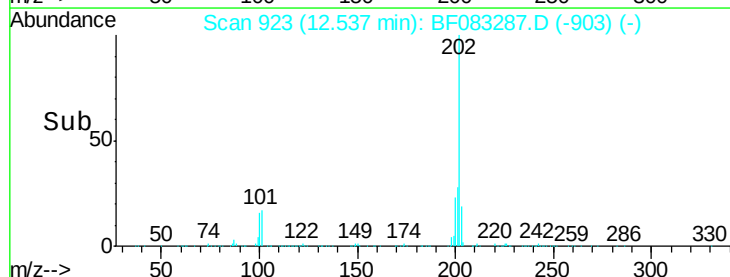
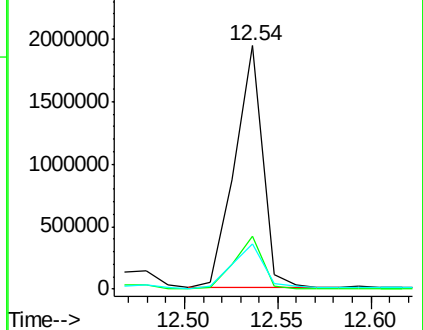
203 18.7 15.0 22.4

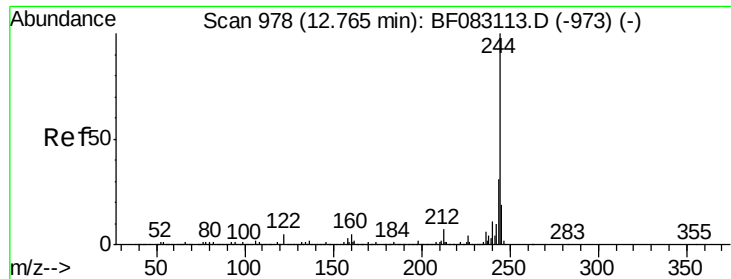


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

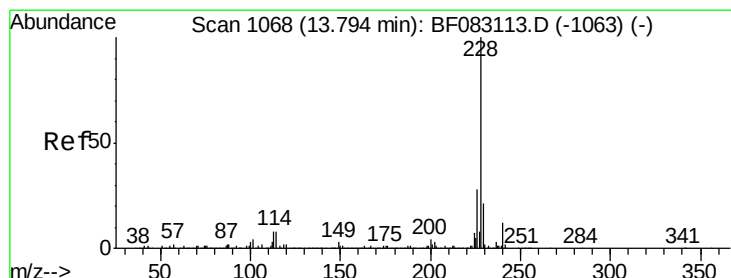
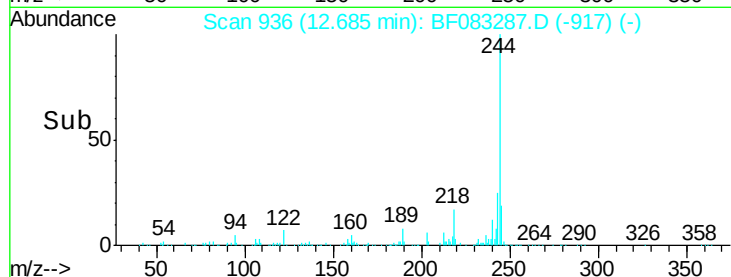
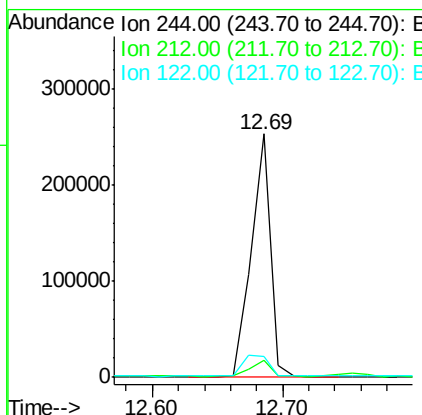
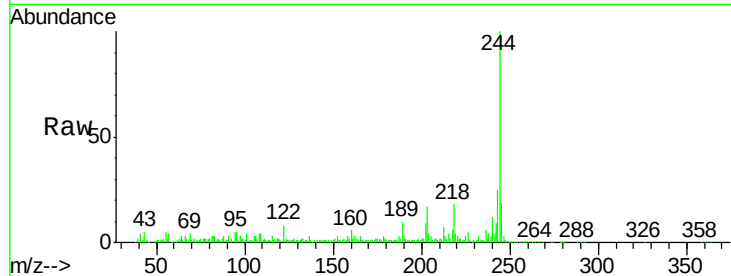




#78  
 Terphenyl-d14  
 Concen: 15.70 ng  
 RT: 12.69 min Scan# 936  
 Delta R.T. -0.08 min  
 Lab File: BF083287.D  
 Acq: 25 Nov 2015 21:49

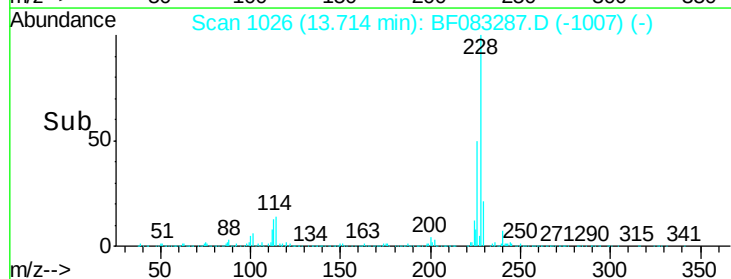
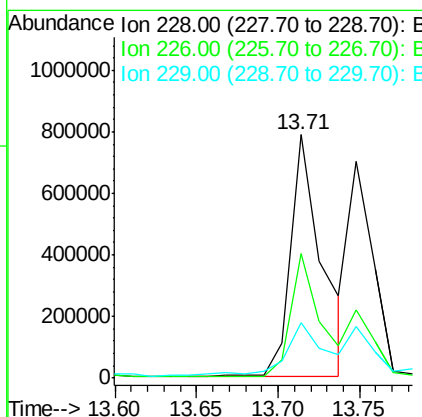
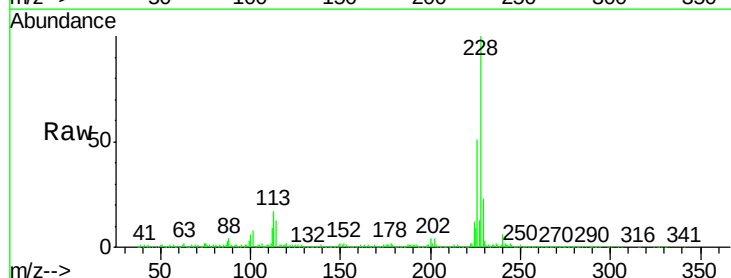
Instrument :  
 BNA\_F  
 ClientSampleId :  
 STOCKPILE-COMPOSITE3

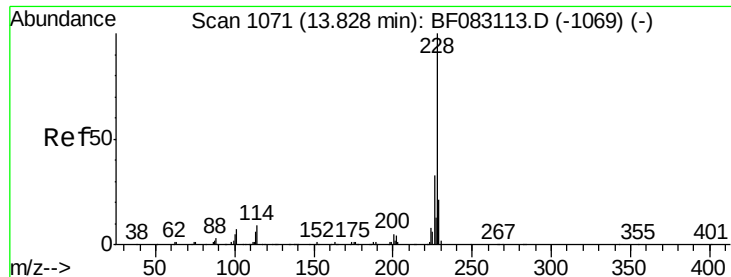
Tgt Ion:244 Resp: 257670  
 Ion Ratio Lower Upper  
 244 100  
 212 7.1 5.4 8.2  
 122 8.5 4.3 6.5#



#80  
 Benzo(a)anthracene  
 Concen: 44.46 ng  
 RT: 13.71 min Scan# 1026  
 Delta R.T. -0.08 min  
 Lab File: BF083287.D  
 Acq: 25 Nov 2015 21:49

Tgt Ion:228 Resp: 1062556  
 Ion Ratio Lower Upper  
 228 100  
 226 51.1 22.6 33.8#  
 229 22.7 16.6 24.8





#82

Chrysene

Concen: 47.94 ng

RT: 13.71 min Scan# 1026

Delta R.T. -0.11 min

Lab File: BF083287.D

Acq: 25 Nov 2015 21:49

Instrument :

BNA\_F

ClientSampleId :

STOCKPILE-COMPOSITE3

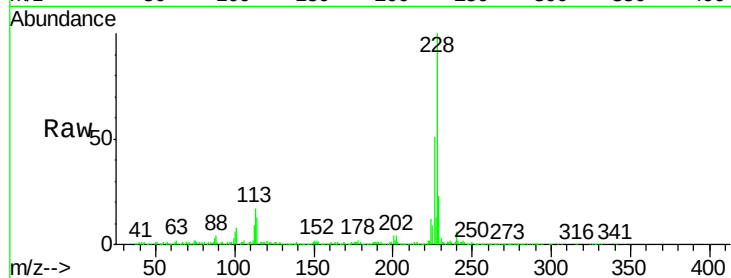
Tgt Ion:228 Resp: 1062556

Ion Ratio Lower Upper

228 100

226 51.1 25.5 38.3#

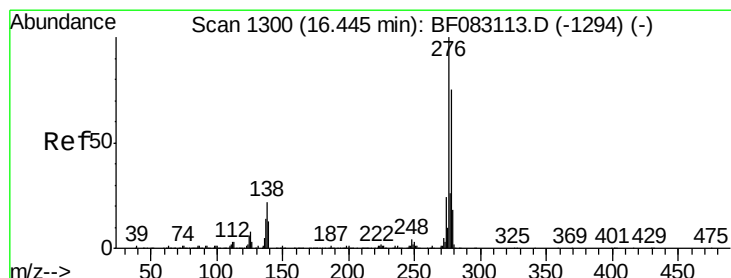
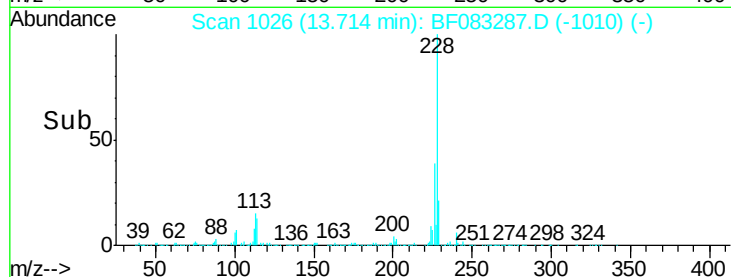
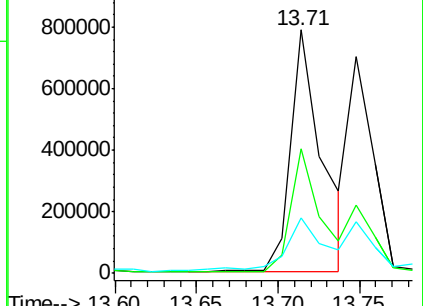
229 22.7 16.6 25.0



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 23.53 ng

RT: 16.31 min Scan# 1253

Delta R.T. -0.14 min

Lab File: BF083287.D

Acq: 25 Nov 2015 21:49

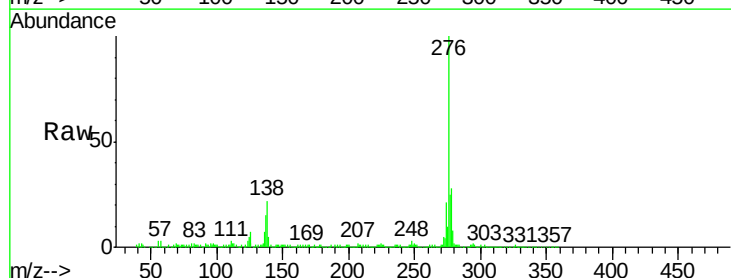
Tgt Ion:276 Resp: 474424

Ion Ratio Lower Upper

276 100

138 21.9 18.0 27.0

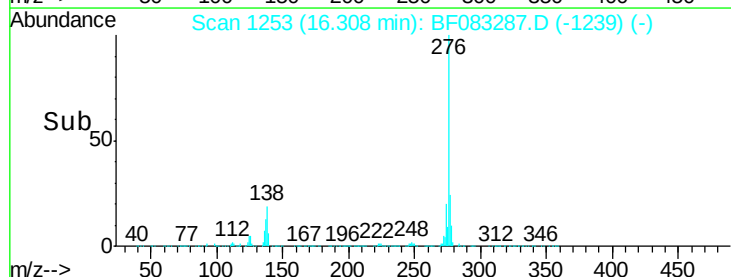
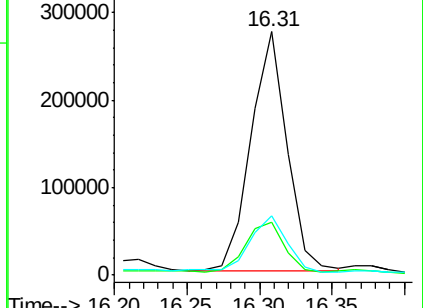
277 25.5 20.2 30.4



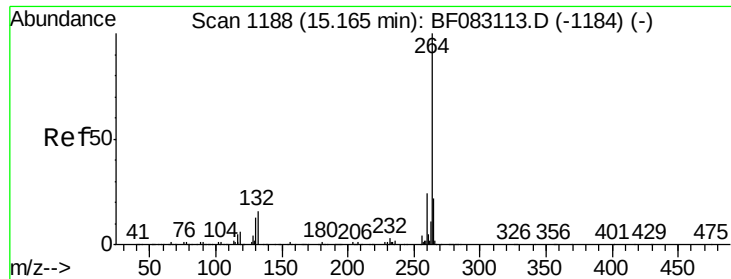
Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



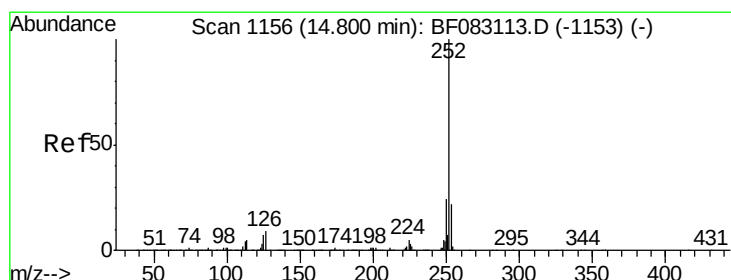
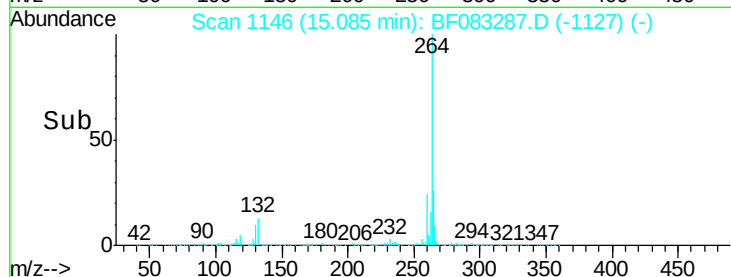
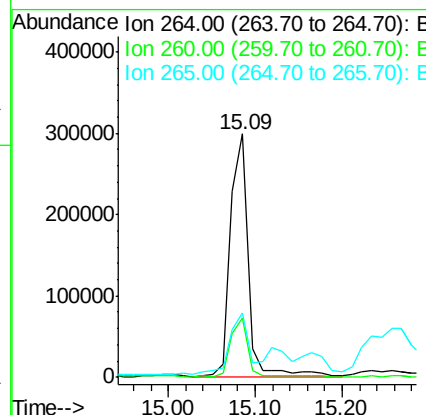
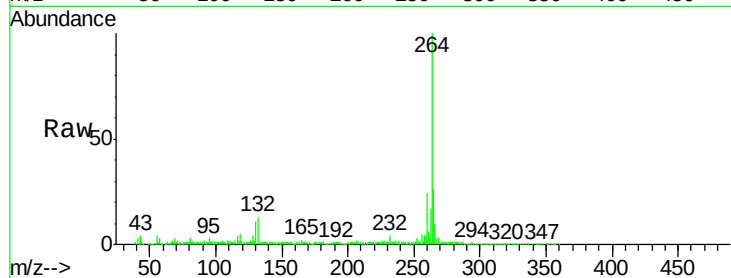




#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 15.09 min Scan# 1146  
Delta R.T. -0.08 min  
Lab File: BF083287.D  
Acq: 25 Nov 2015 21:49

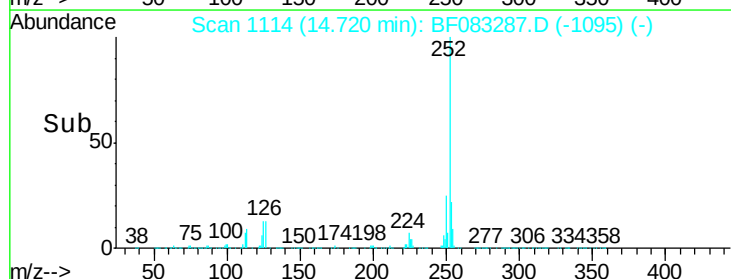
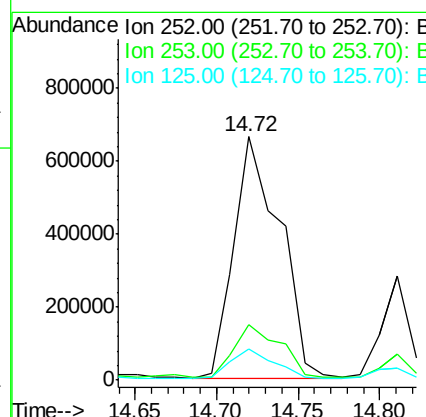
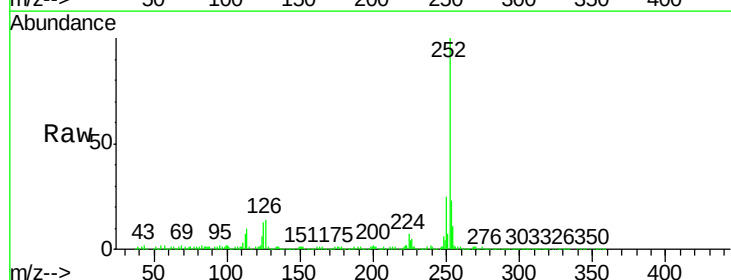
Instrument :  
BNA\_F  
ClientSampleId :  
STOCKPILE-COMPOSITE3

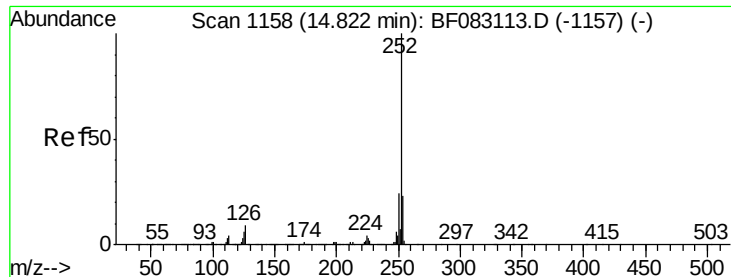
Tgt Ion:264 Resp: 423330  
Ion Ratio Lower Upper  
264 100  
260 24.3 19.1 28.7  
265 26.3 18.2 27.4



#87  
Benzo(b)fluoranthene  
Concen: 44.55 ng  
RT: 14.72 min Scan# 1114  
Delta R.T. -0.08 min  
Lab File: BF083287.D  
Acq: 25 Nov 2015 21:49

Tgt Ion:252 Resp: 1288715  
Ion Ratio Lower Upper  
252 100  
253 22.9 17.7 26.5  
125 12.9 5.6 8.4#

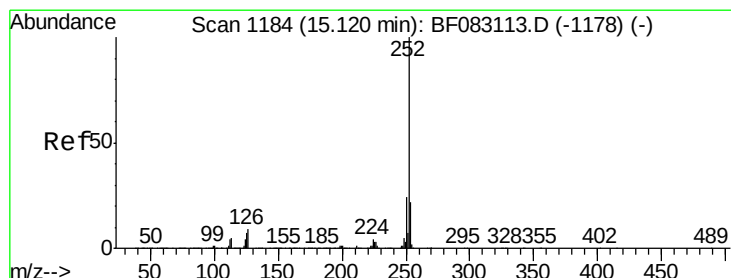
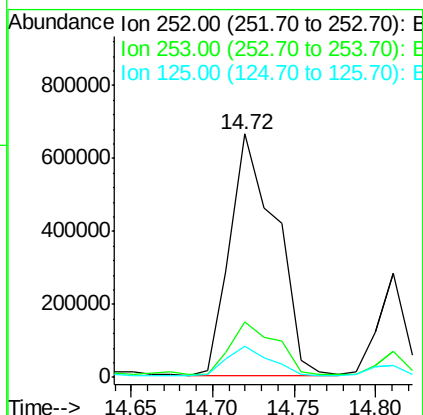
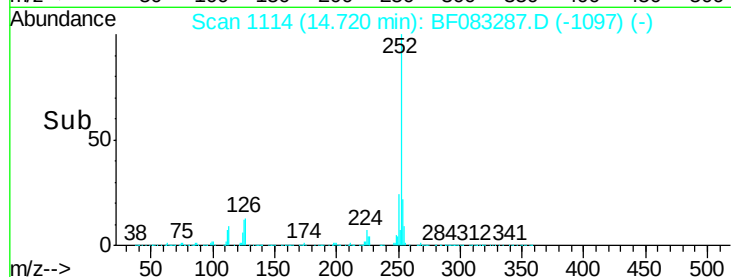
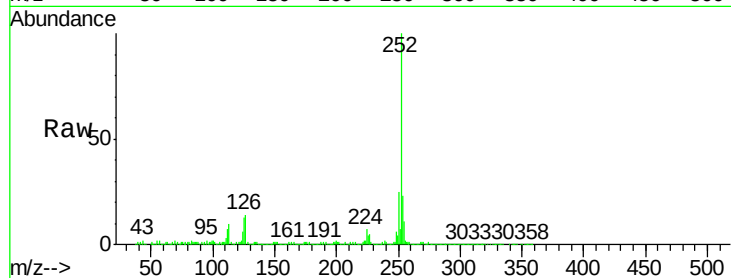




#88  
Benzo(k)fluoranthene  
Concen: 59.77 ng  
RT: 14.72 min Scan# 1114  
Delta R.T. -0.10 min  
Lab File: BF083287.D  
Acq: 25 Nov 2015 21:49

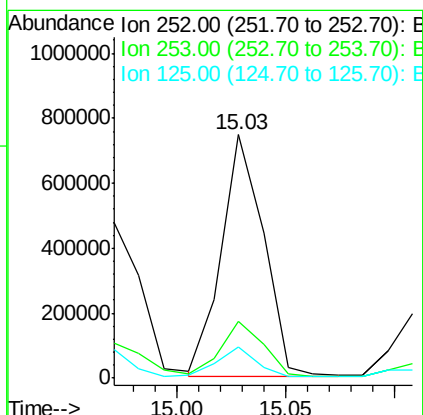
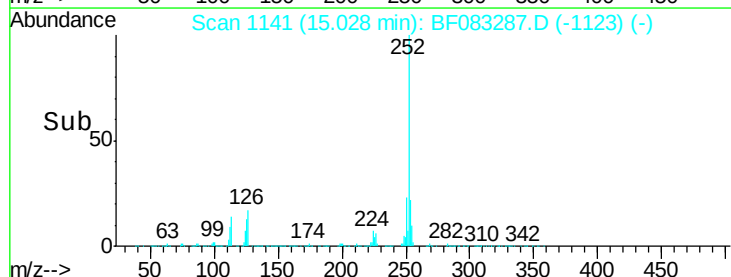
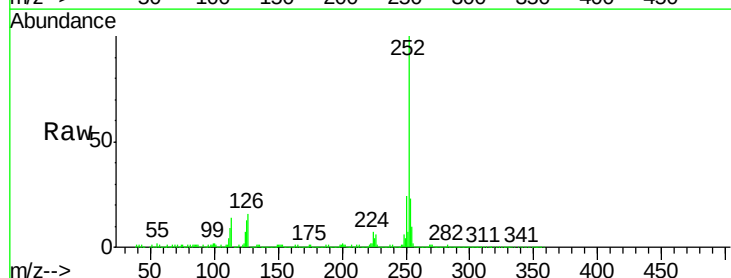
Instrument :  
BNA\_F  
ClientSampleId :  
STOCKPILE-COMPOSITE3

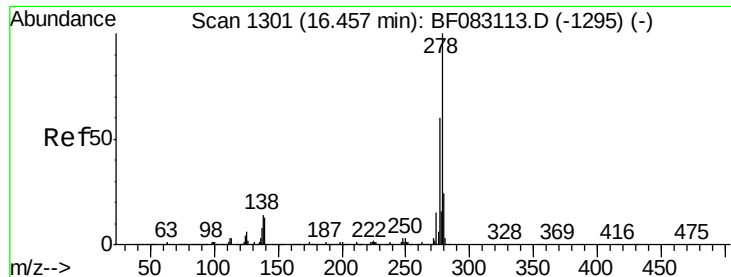
Tgt Ion:252 Resp: 1288046  
Ion Ratio Lower Upper  
252 100  
253 22.9 18.2 27.2  
125 12.9 6.8 10.2#



#89  
Benzo(a)pyrene  
Concen: 41.94 ng  
RT: 15.03 min Scan# 1141  
Delta R.T. -0.09 min  
Lab File: BF083287.D  
Acq: 25 Nov 2015 21:49

Tgt Ion:252 Resp: 1001608  
Ion Ratio Lower Upper  
252 100  
253 23.2 17.5 26.3  
125 12.8 5.4 8.0#





#90

Dibenzo(a,h)anthracene

Concen: 5.37 ng

RT: 16.50 min Scan# 1270

Delta R.T. 0.05 min

Lab File: BF083287.D

Acq: 25 Nov 2015 21:49

Instrument :

BNA\_F

ClientSampleId :

STOCKPILE-COMPOSITE3

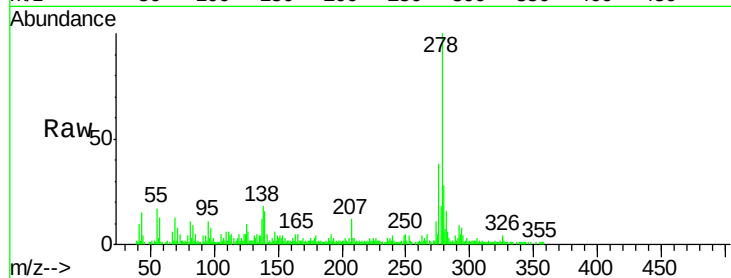
Tgt Ion:278 Resp: 116594

Ion Ratio Lower Upper

278 100

139 15.9 10.7 16.1

279 28.5 19.3 28.9



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

