

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF093016\  
 Data File : BF090322.D  
 Acq On : 30 Sep 2016 19:55  
 Operator : UM/SJ  
 Sample : H5023-03  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 WC-AREA-CD-09272016

Quant Time: Sep 30 22:58:31 2016  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF092016.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Sep 26 15:58:38 2016  
 Response via : Initial Calibration

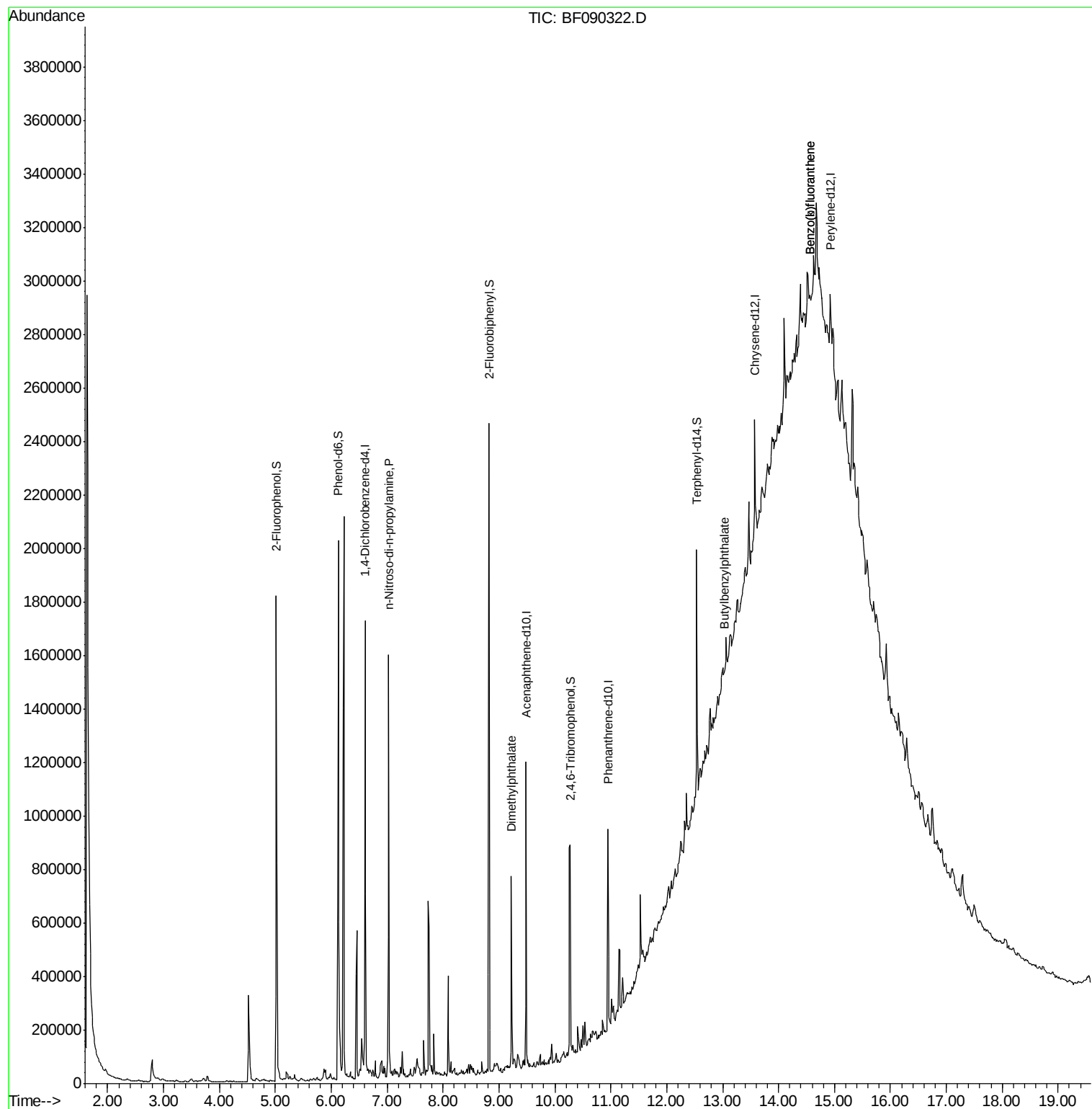
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.60  | 152  | 303279   | 20.00 | ng    | 0.13     |
| 21) Naphthalene-d8             | 0.00  | 136  | 0        | 0.00  | ng    | -7.77    |
| 38) Acenaphthene-d10           | 9.48  | 164  | 232915   | 20.00 | ng    | -0.02    |
| 63) Phenanthrene-d10           | 10.95 | 188  | 273979   | 20.00 | ng    | -0.03    |
| 75) Chrysene-d12               | 13.58 | 240  | 207501   | 20.00 | ng    | -0.02    |
| 86) Perylene-d12               | 14.93 | 264  | 146186   | 20.00 | ng    | 0.01     |
| System Monitoring Compounds    |       |      |          |       |       |          |
| 5) 2-Fluorophenol              | 5.02  | 112  | 718893   | 38.64 | ng    | -0.01    |
| 7) Phenol-d6                   | 6.12  | 99   | 909705   | 39.59 | ng    | -0.01    |
| 23) Nitrobenzene-d5            | 7.03  | 82   | 573670   | 0.00  | ng    | -0.03    |
| 41) 2,4,6-Tribromophenol       | 10.27 | 330  | 163683   | 81.91 | ng    | -0.02    |
| 44) 2-Fluorobiphenyl           | 8.82  | 172  | 708546   | 59.72 | ng    | -0.03    |
| 78) Terphenyl-d14              | 12.54 | 244  | 336912   | 41.22 | ng    | -0.02    |
| Target Compounds               |       |      |          |       |       |          |
| 19) n-Nitroso-di-n-propylamine | 7.03  | 70   | 73315    | 5.43  | ng    | # 81     |
| 49) Dimethylphthalate          | 9.22  | 163  | 281419   | 18.97 | ng    | # 99     |
| 79) Butylbenzylphthalate       | 13.03 | 149  | 13914    | 2.00  | ng    | # 53     |
| 87) Benzo(b)fluoranthene       | 14.57 | 252  | 16957    | 2.09  | ng    | # 1      |
| 88) Benzo(k)fluoranthene       | 14.57 | 252  | 16837    | 2.22  | ng    | # 1      |

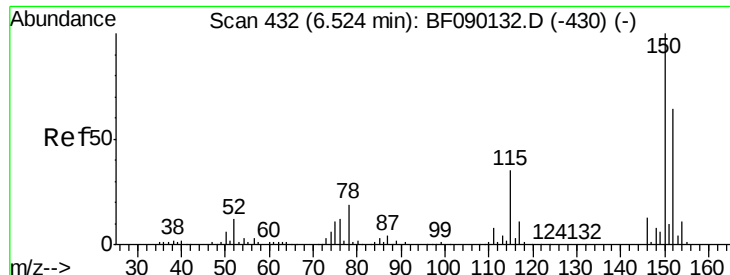
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF093016\  
Data File : BF090322.D  
Acq On : 30 Sep 2016 19:55  
Operator : UM/SJ  
Sample : H5023-03  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
WC-AREA-CD-09272016

Quant Time: Sep 30 22:58:31 2016  
Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF092016.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Sep 26 15:58:38 2016  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.60 min Scan# 439

Delta R.T. 0.13 min

Lab File: BF090322.D

Acq: 30 Sep 2016 19:55

Instrument :

BNA\_F

ClientSampleId :

WC-AREA-CD-09272016

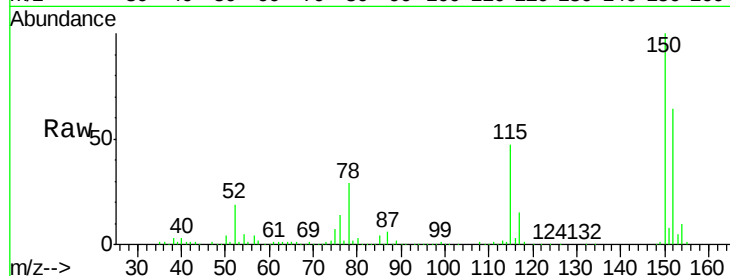
Tgt Ion:152 Resp: 303279

Ion Ratio Lower Upper

152 100

150 156.9 128.9 193.3

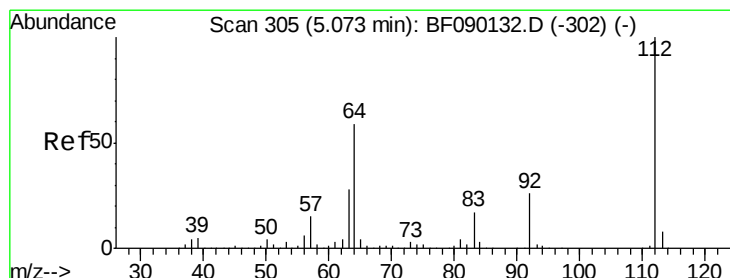
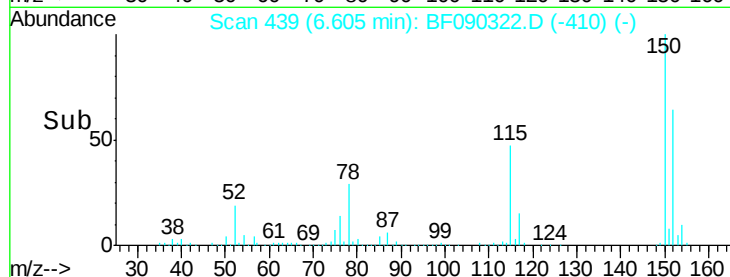
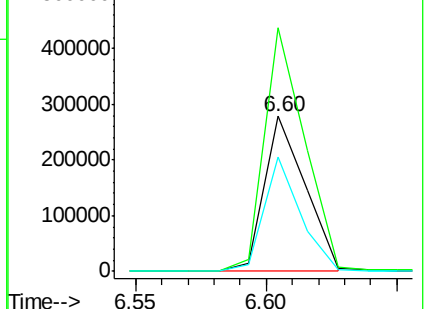
115 73.4 55.5 83.3



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: 38.64 ng

RT: 5.02 min Scan# 300

Delta R.T. -0.01 min

Lab File: BF090322.D

Acq: 30 Sep 2016 19:55

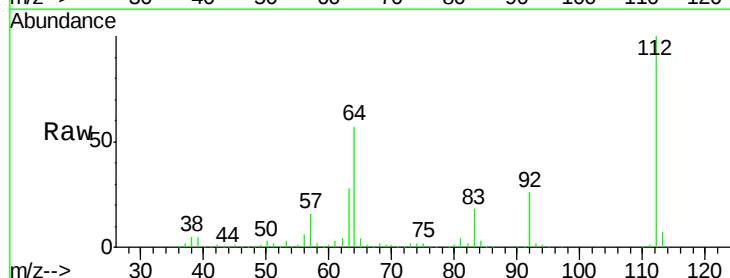
Tgt Ion:112 Resp: 718893

Ion Ratio Lower Upper

112 100

64 56.9 39.8 59.6

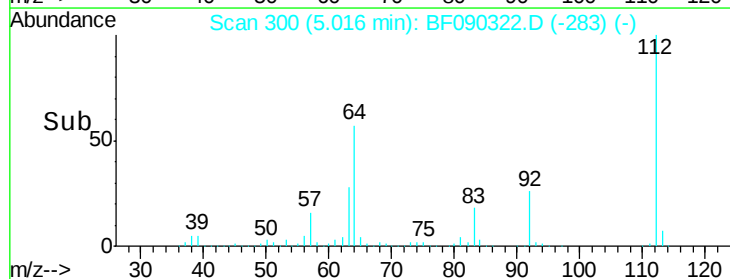
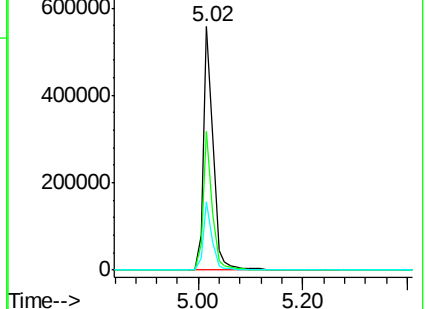
63 27.8 18.9 28.3



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: 39.59 ng

RT: 6.12 min Scan# 397

Delta R.T. -0.01 min

Lab File: BF090322.D

Acq: 30 Sep 2016 19:55

Instrument :

BNA\_F

ClientSampleId :

WC-AREA-CD-09272016

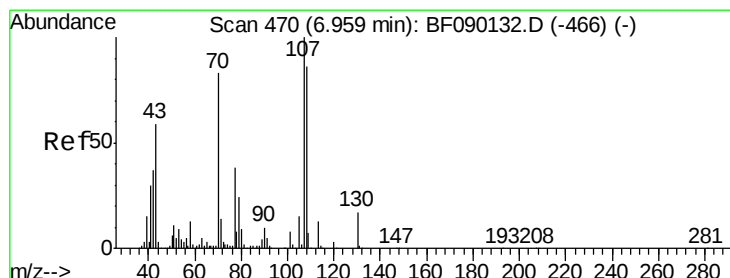
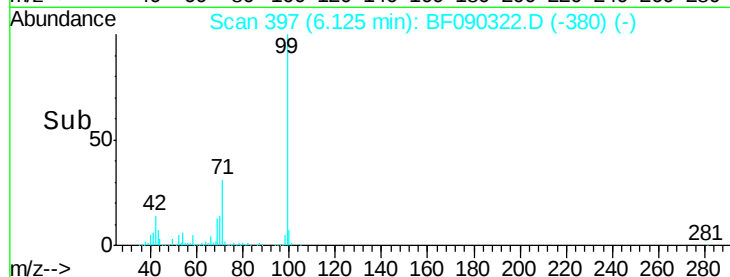
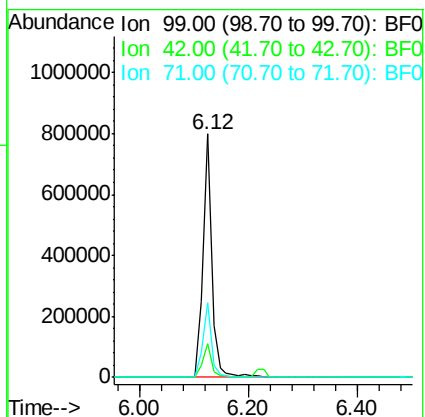
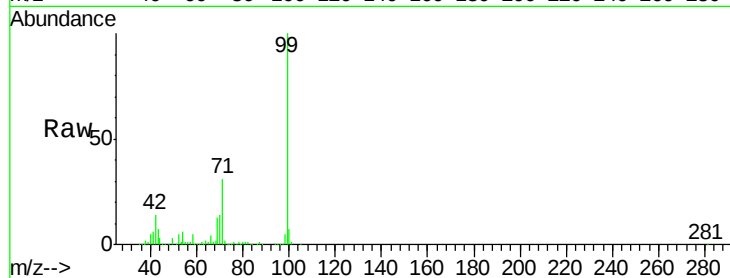
Tgt Ion: 99 Resp: 909705

Ion Ratio Lower Upper

99 100

42 13.6 10.6 15.8

71 30.8 23.0 34.6



#19

n-Nitroso-di-n-propylamine

Concen: 5.43 ng

RT: 7.03 min Scan# 476

Delta R.T. 0.11 min

Lab File: BF090322.D

Acq: 30 Sep 2016 19:55

Tgt Ion: 70 Resp: 73315

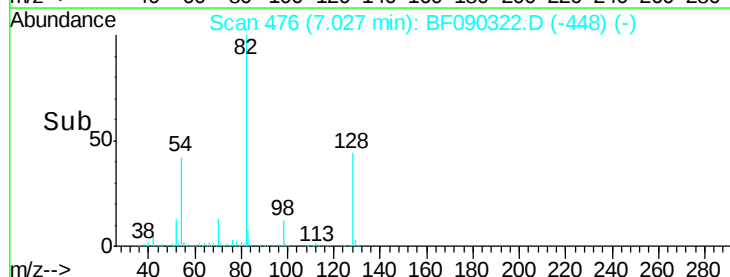
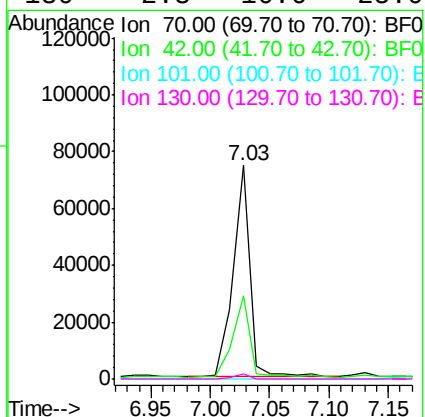
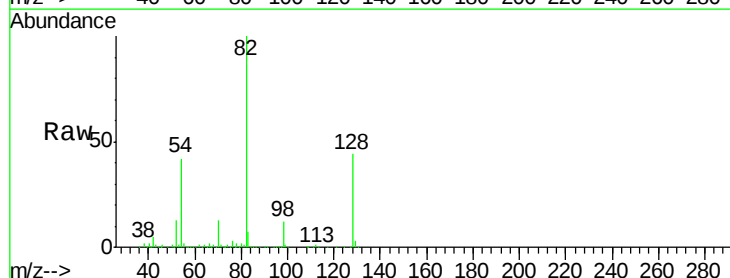
Ion Ratio Lower Upper

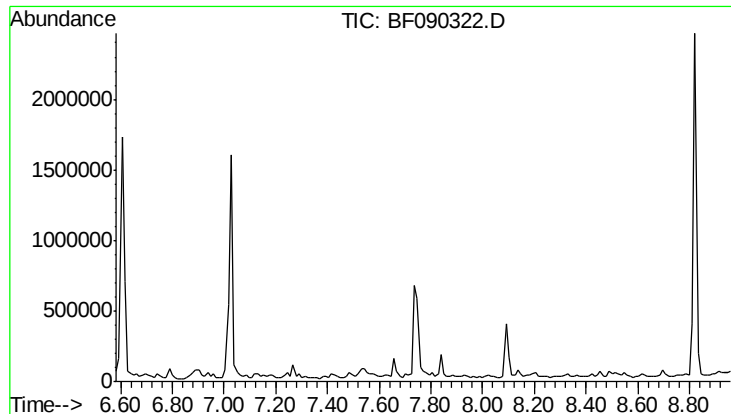
70 100

42 39.3 35.1 52.7

101 0.0 7.5 11.3#

130 2.3 16.6 25.0#

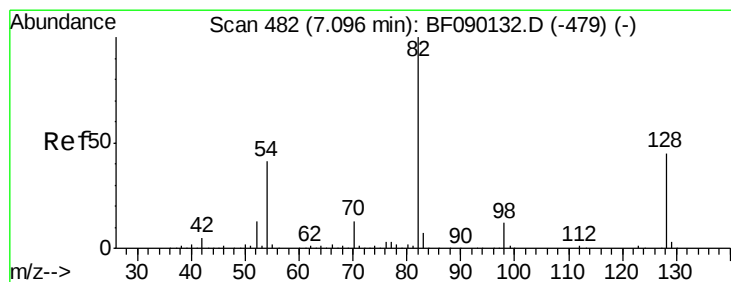
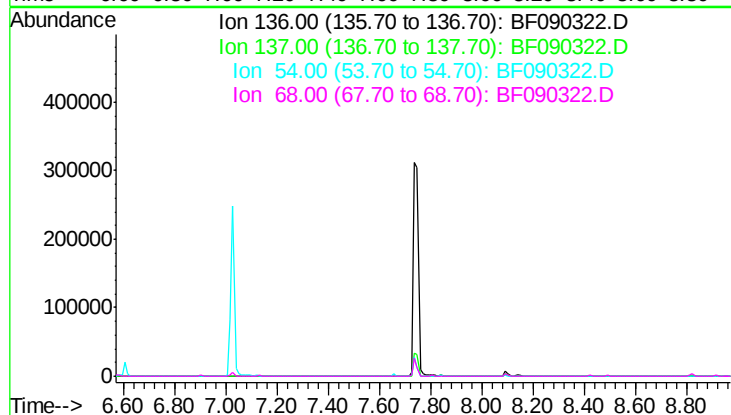




#21  
Naphthalene-d8  
Concen: 0.00 ng  
Expected RT: 7.77 min  
Lab File: BF090322.D  
Acq: 30 Sep 2016 19:55

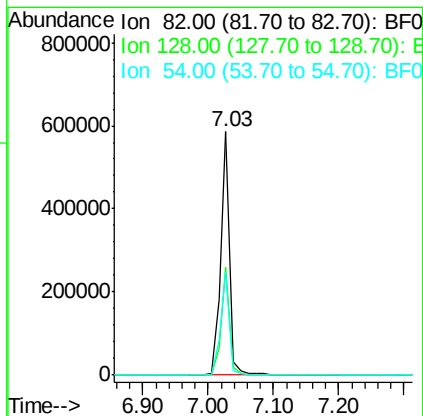
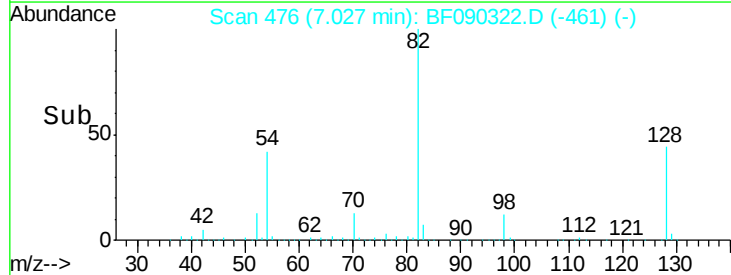
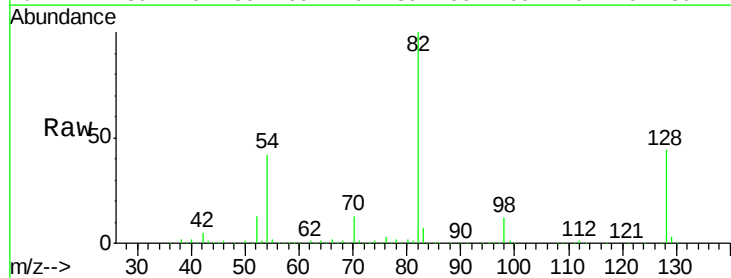
Instrument :  
BNA\_F  
ClientSampleId :  
WC-AREA-CD-09272016

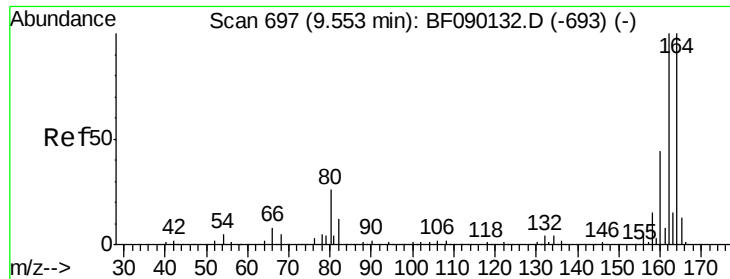
Tgt Ion: 136  
Sig Exp Ratio  
136 100  
137 11.2  
54 8.0  
68 7.9



#23  
Nitrobenzene-d5  
Concen: 0.00 ng  
RT: 7.03 min Scan# 476  
Delta R.T. -0.03 min  
Lab File: BF090322.D  
Acq: 30 Sep 2016 19:55

Tgt Ion: 82 Resp: 573670  
Ion Ratio Lower Upper  
82 100  
128 44.4 37.5 56.3  
54 42.3 31.9 47.9

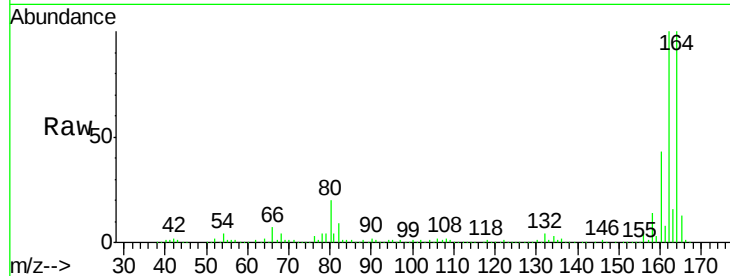




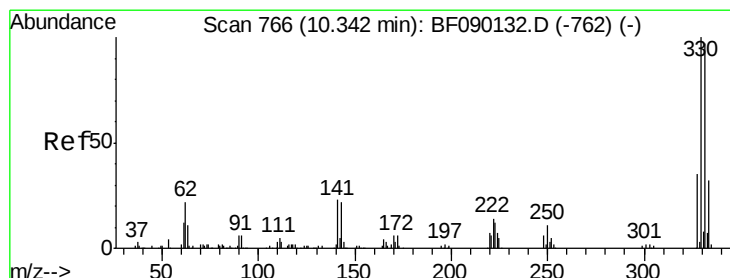
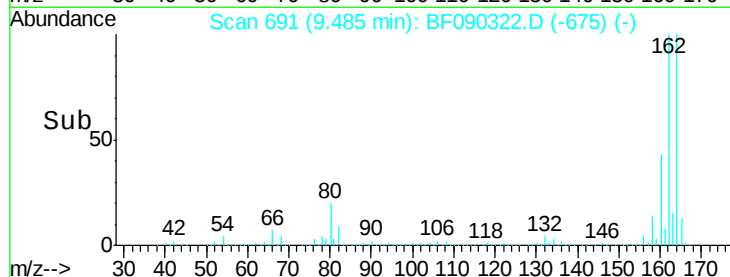
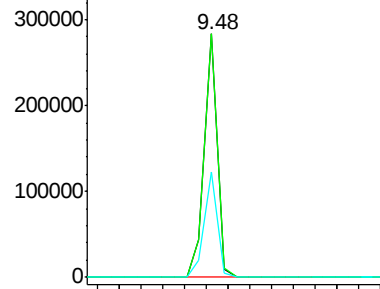
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.48 min Scan# 691  
 Delta R.T. -0.02 min  
 Lab File: BF090322.D  
 Acq: 30 Sep 2016 19:55

Instrument :  
 BNA\_F  
 ClientSampleId :  
 WC-AREA-CD-09272016

Tgt Ion:164 Resp: 232915  
 Ion Ratio Lower Upper  
 164 100  
 162 100.1 81.4 122.2  
 160 43.5 36.6 54.8

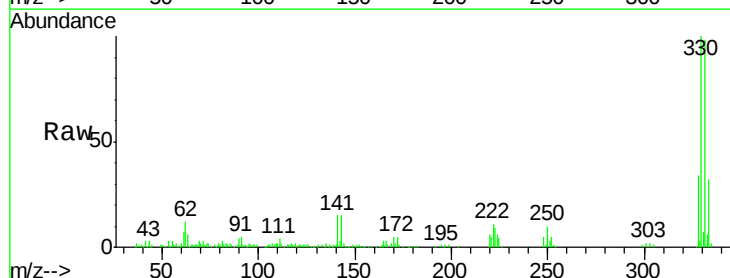


Abundance Ion 164.00 (163.70 to 164.70): E  
 Ion 162.00 (161.70 to 162.70): E  
 Ion 160.00 (159.70 to 160.70): E

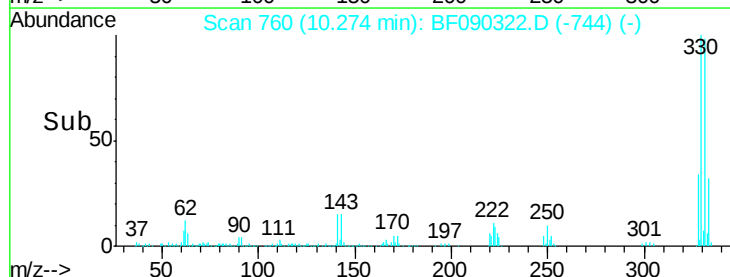
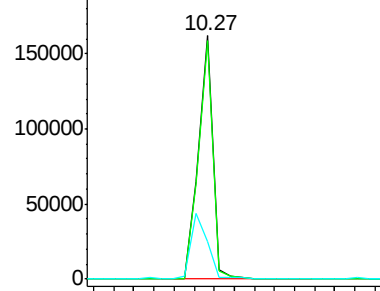


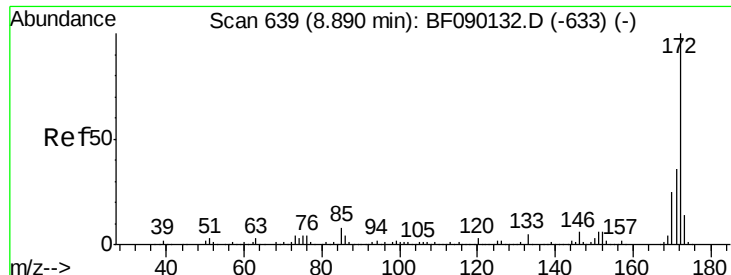
#41  
 2,4,6-Tribromophenol  
 Concen: 81.91 ng  
 RT: 10.27 min Scan# 760  
 Delta R.T. -0.02 min  
 Lab File: BF090322.D  
 Acq: 30 Sep 2016 19:55

Tgt Ion:330 Resp: 163683  
 Ion Ratio Lower Upper  
 330 100  
 332 98.2 78.1 117.1  
 141 30.1 23.9 35.9



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

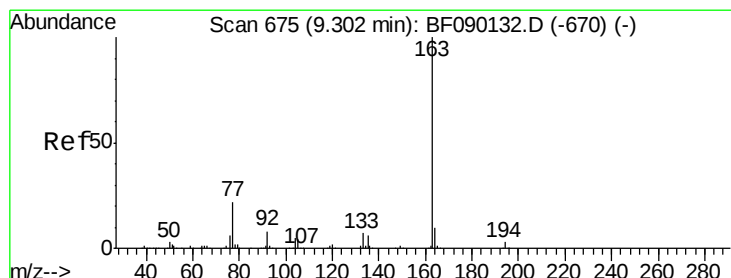
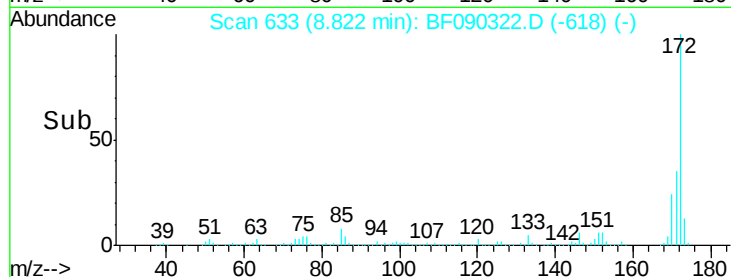
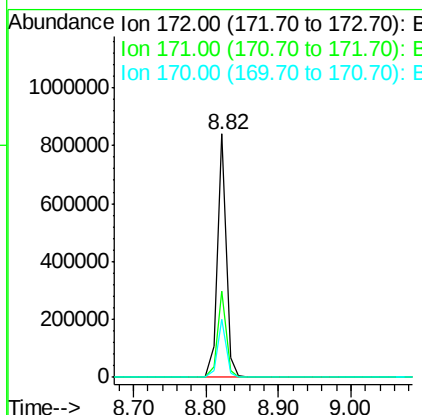
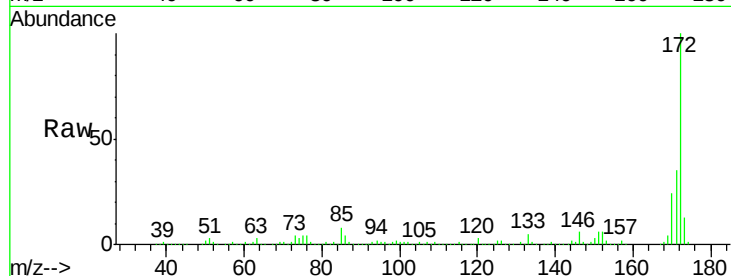




#44  
 2-Fluorobiphenyl  
 Concen: 59.72 ng  
 RT: 8.82 min Scan# 633  
 Delta R.T. -0.03 min  
 Lab File: BF090322.D  
 Acq: 30 Sep 2016 19:55

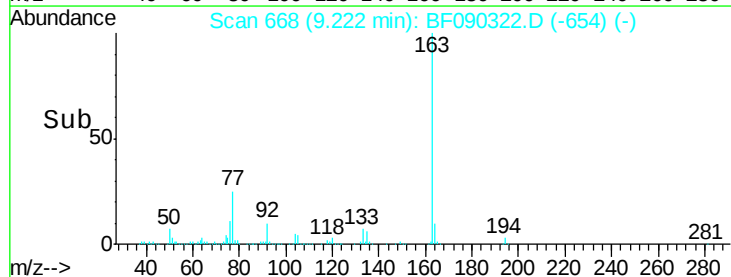
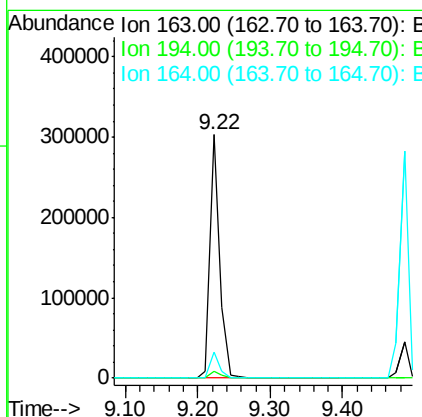
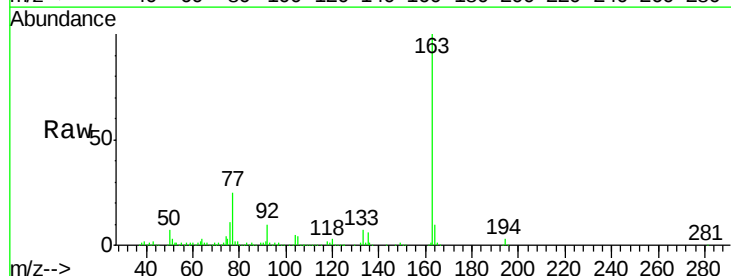
Instrument :  
 BNA\_F  
 ClientSampleId :  
 WC-AREA-CD-09272016

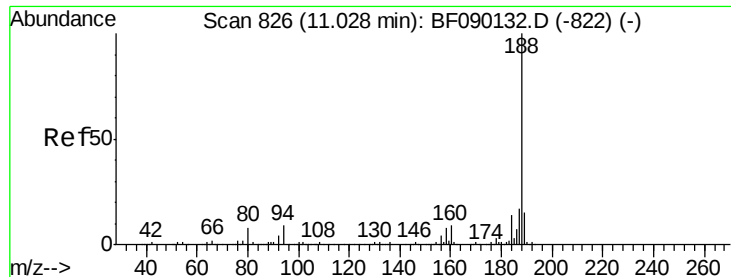
Tgt Ion:172 Resp: 708546  
 Ion Ratio Lower Upper  
 172 100  
 171 35.3 29.2 43.8  
 170 23.6 19.8 29.8



#49  
 Dimethylphthalate  
 Concen: 18.97 ng  
 RT: 9.22 min Scan# 668  
 Delta R.T. -0.05 min  
 Lab File: BF090322.D  
 Acq: 30 Sep 2016 19:55

Tgt Ion:163 Resp: 281419  
 Ion Ratio Lower Upper  
 163 100  
 194 2.8 2.8 4.2#  
 164 10.4 8.1 12.1

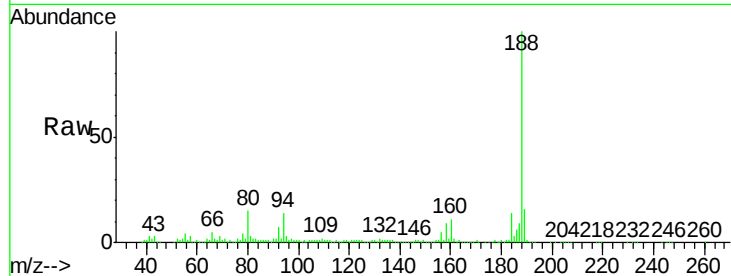




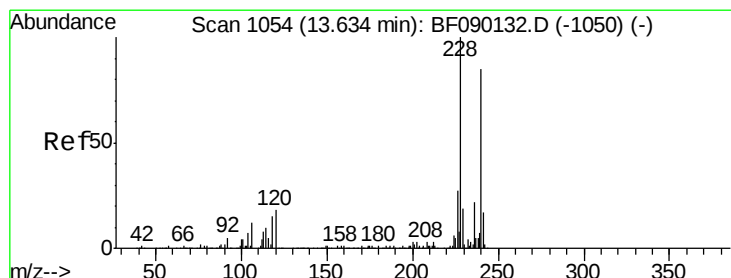
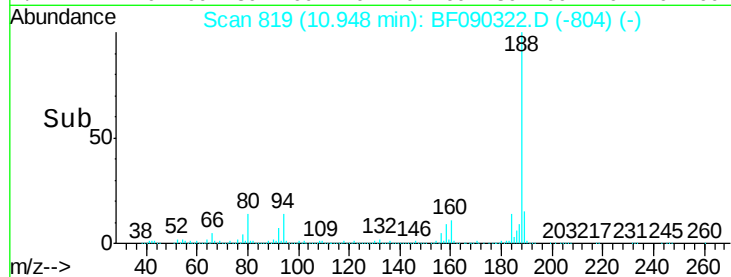
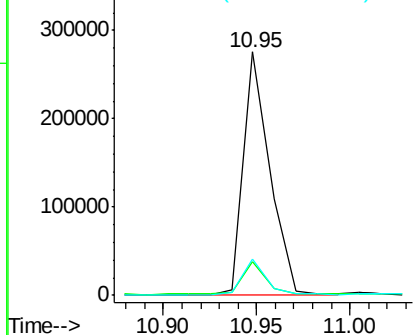
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 10.95 min Scan# 819  
Delta R.T. -0.03 min  
Lab File: BF090322.D  
Acq: 30 Sep 2016 19:55

Instrument :  
BNA\_F  
ClientSampleId :  
WC-AREA-CD-09272016

Tgt Ion:188 Resp: 273979  
Ion Ratio Lower Upper  
188 100  
94 14.0 10.5 15.7  
80 14.8 11.2 16.8

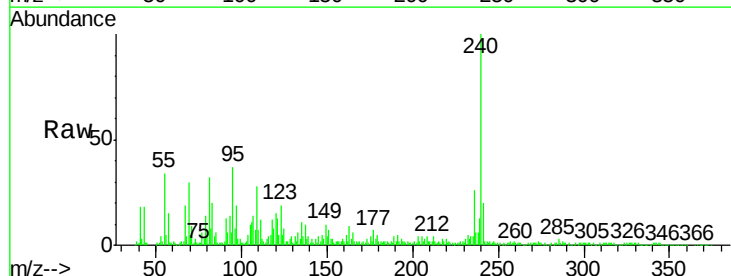


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

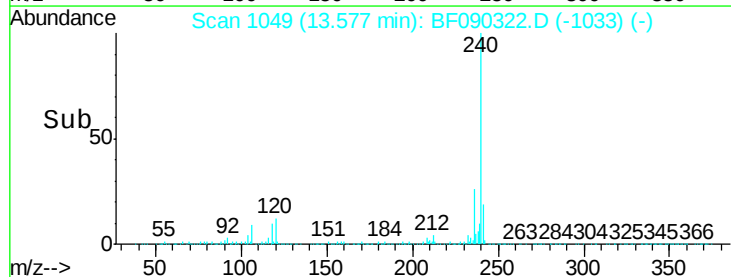
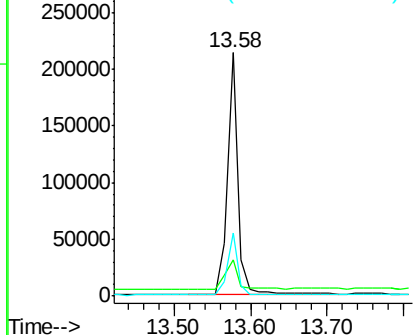


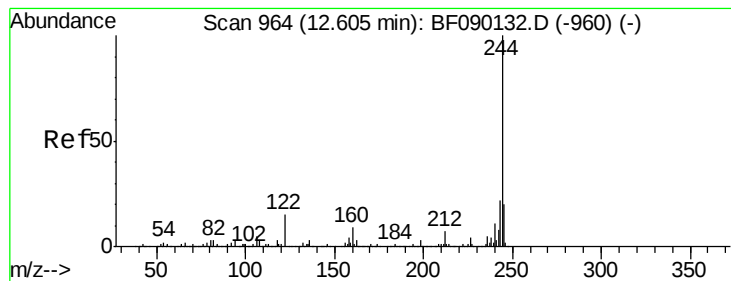
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 13.58 min Scan# 1049  
Delta R.T. -0.02 min  
Lab File: BF090322.D  
Acq: 30 Sep 2016 19:55

Tgt Ion:240 Resp: 207501  
Ion Ratio Lower Upper  
240 100  
120 14.9 10.6 16.0  
236 25.8 21.6 32.4



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: 41.22 ng

RT: 12.54 min Scan# 958

Delta R.T. -0.02 min

Lab File: BF090322.D

Acq: 30 Sep 2016 19:55

Instrument :

BNA\_F

ClientSampleId :

WC-AREA-CD-09272016

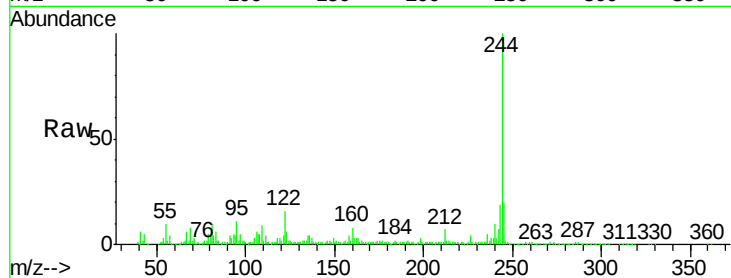
Tgt Ion:244 Resp: 336912

Ion Ratio Lower Upper

244 100

212 7.2 5.8 8.8

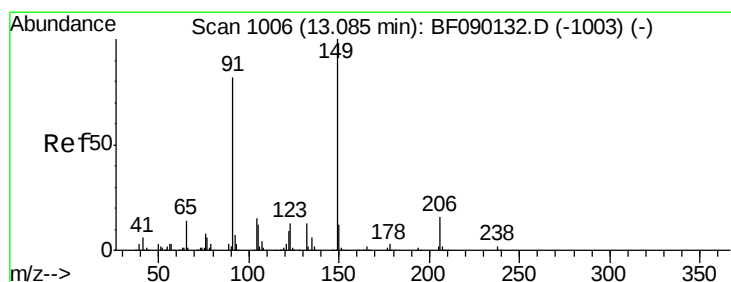
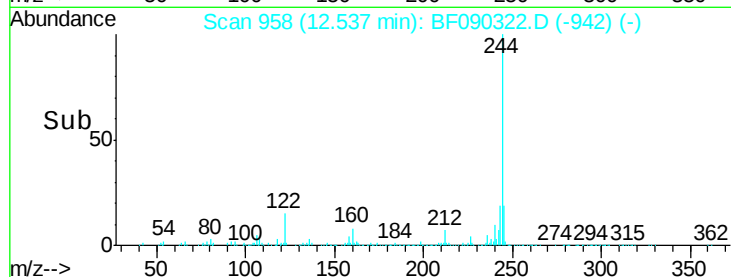
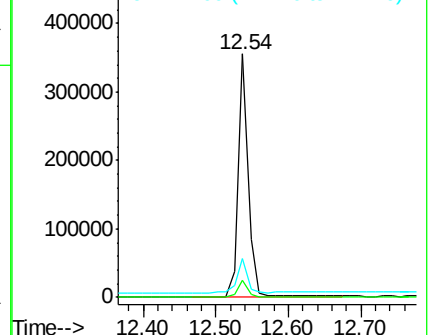
122 16.1 9.4 14.0#



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



#79

Butylbenzylphthalate

Concen: 2.00 ng

RT: 13.03 min Scan# 1001

Delta R.T. -0.02 min

Lab File: BF090322.D

Acq: 30 Sep 2016 19:55

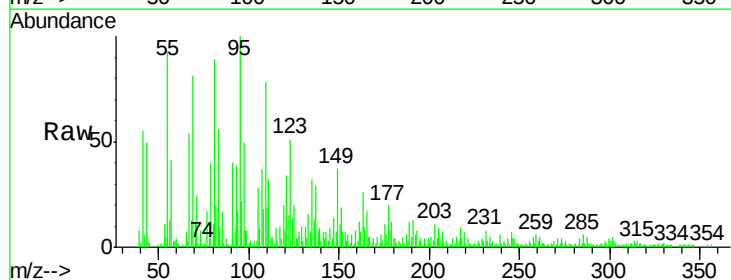
Tgt Ion:149 Resp: 13914

Ion Ratio Lower Upper

149 100

91 107.1 49.8 74.6#

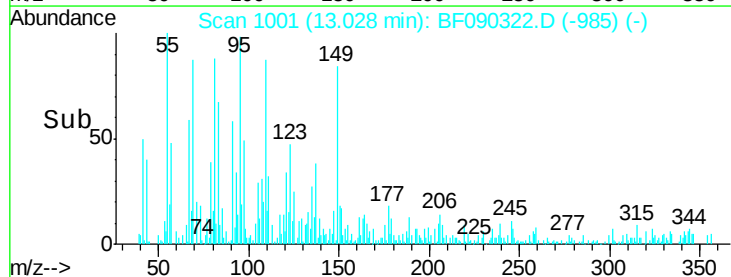
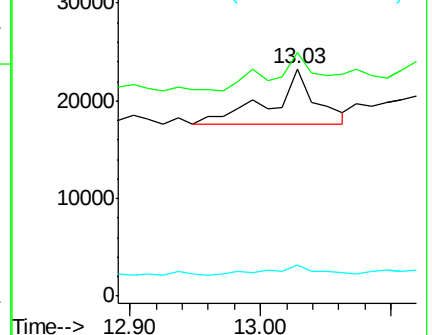
206 13.9 16.3 24.5#

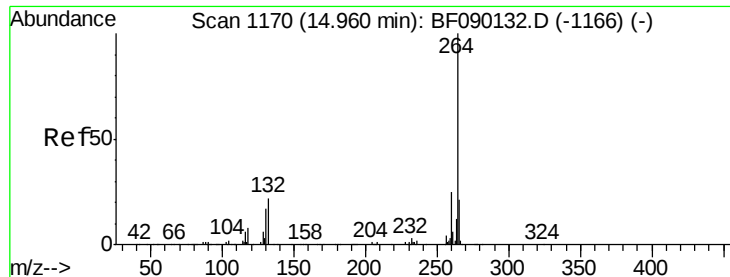


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E





#86

Perylene-d12

Concen: 20.00 ng

RT: 14.93 min Scan# 1167

Delta R.T. 0.01 min

Lab File: BF090322.D

Acq: 30 Sep 2016 19:55

Instrument :

BNA\_F

ClientSampleId :

WC-AREA-CD-09272016

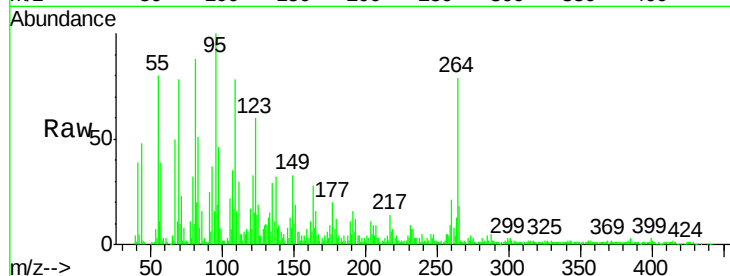
Tgt Ion:264 Resp: 146186

Ion Ratio Lower Upper

264 100

260 26.2 19.5 29.3

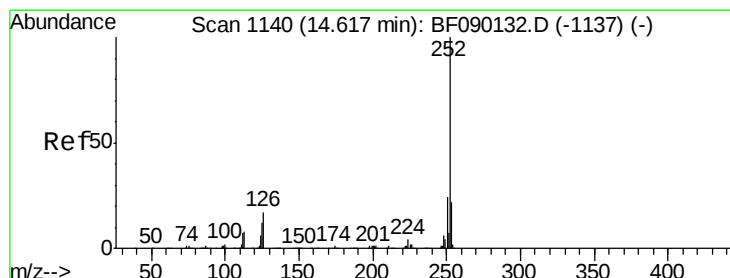
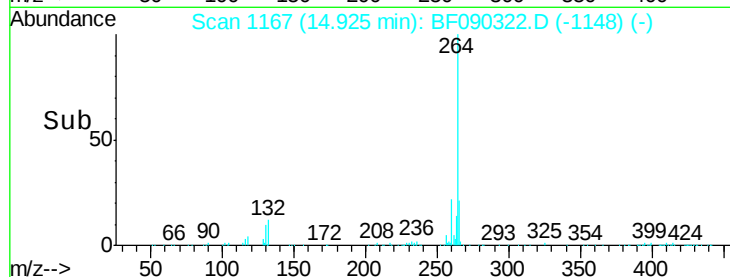
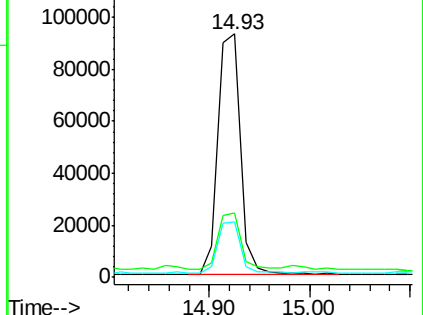
265 22.9 17.0 25.4



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



#87

Benzo(b)fluoranthene

Concen: 2.09 ng

RT: 14.57 min Scan# 1136

Delta R.T. 0.00 min

Lab File: BF090322.D

Acq: 30 Sep 2016 19:55

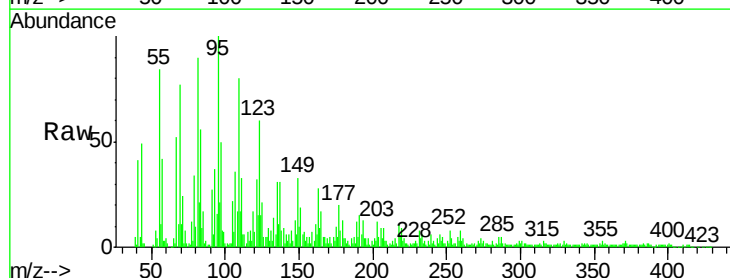
Tgt Ion:252 Resp: 16957

Ion Ratio Lower Upper

252 100

253 49.6 17.9 26.9#

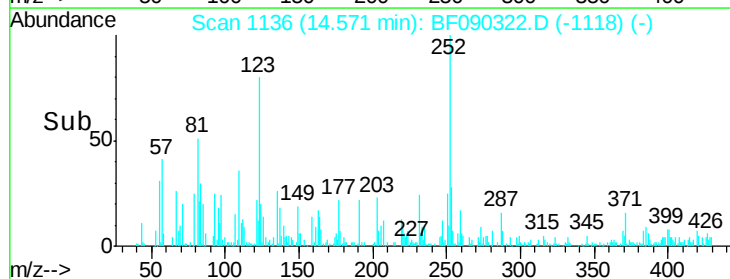
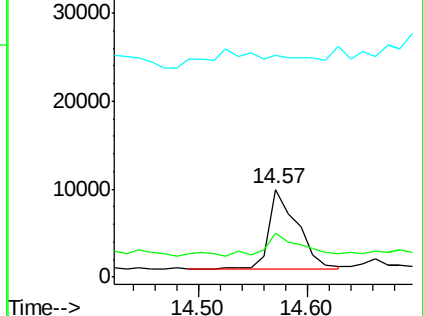
125 252.4 12.7 19.1#

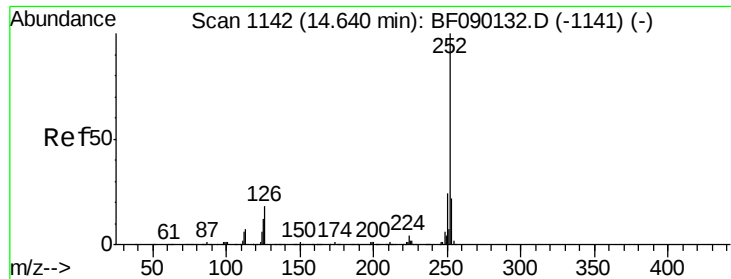


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 2.22 ng

RT: 14.57 min Scan# 1136

Delta R.T. -0.02 min

Lab File: BF090322.D

Acq: 30 Sep 2016 19:55

Instrument :

BNA\_F

ClientSampleId :

WC-AREA-CD-09272016

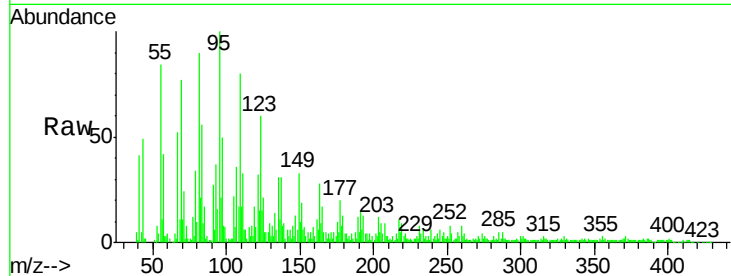
Tgt Ion: 252 Resp: 16837

Ion Ratio Lower Upper

252 100

253 49.6 17.8 26.8#

125 252.4 7.8 11.6#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

