

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102016\
 Data File : BF090686.D
 Acq On : 20 Oct 2016 17:03
 Operator : UM/SJ
 Sample : H5318-01 5X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-SUMP-1

Quant Time: Oct 20 18:01:45 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 19 15:13:23 2016
 Response via : Initial Calibration

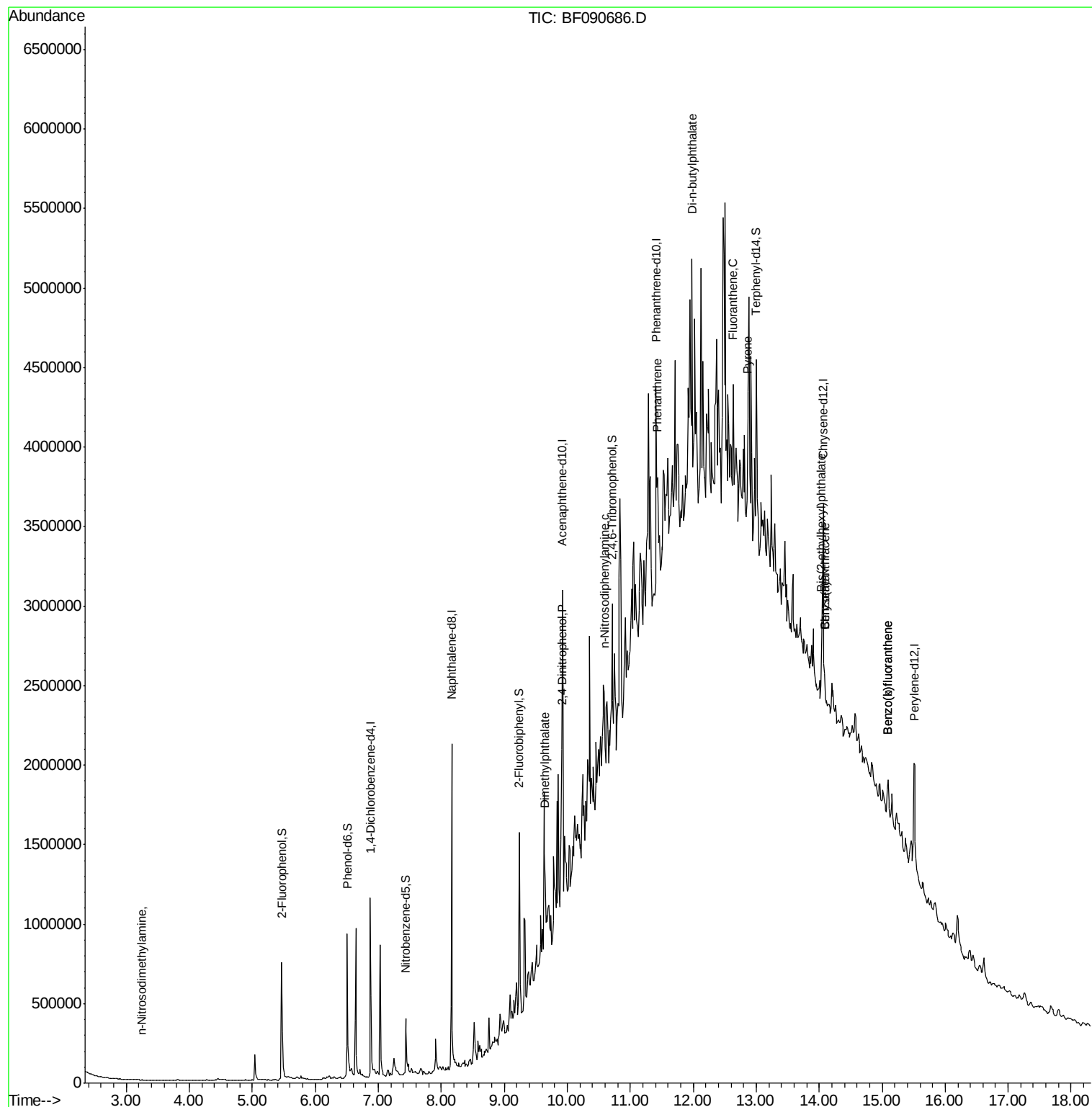
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	197267	20.00	ng	-0.01
21) Naphthalene-d8	8.17	136	861163	20.00	ng	-0.01
38) Acenaphthene-d10	9.93	164	418343	20.00	ng	-0.01
63) Phenanthrene-d10	11.41	188	575094	20.00	ng	-0.01
75) Chrysene-d12	14.06	240	537884	20.00	ng	0.00
86) Perylene-d12	15.52	264	381235	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	247023	22.96	ng	-0.02
7) Phenol-d6	6.51	99	358211	22.40	ng	-0.02
23) Nitrobenzene-d5	7.43	82	210639	13.59	ng	-0.02
41) 2,4,6-Tribromophenol	10.71	330	61541	16.50	ng	-0.01
44) 2-Fluorobiphenyl	9.24	172	325238	12.81	ng	-0.02
78) Terphenyl-d14	13.00	244	258141	11.17	ng	-0.01
Target Compounds						
4) n-Nitrosodimethylamine	3.25	42	1543	7.44	ng	# 1
49) Dimethylphthalate	9.64	163	78279	2.88	ng	# 95
53) 2,4-Dinitrophenol	9.91	184	245	5.75	ng	# 1
65) n-Nitrosodiphenylamine	10.59	169	164333	8.65	ng	# 41
70) Phenanthrene	11.43	178	332250	10.82	ng	# 94
73) Di-n-butylphthalate	11.98	149	835486	24.11	ng	98
74) Fluoranthene	12.63	202	267531	8.66	ng	89
77) Pyrene	12.86	202	400519	11.24	ng	97
80) Benzo(a)anthracene	14.09	228	156024	5.10	ng	# 83
82) Chrysene	14.09	228	156024	5.29	ng	# 85
83) Bis(2-ethylhexyl)phthalate	14.04	149	102931	4.83	ng	# 99
87) Benzo(b)fluoranthene	15.09	252	94436	3.79	ng	# 76
88) Benzo(k)fluoranthene	15.09	252	94436	3.52	ng	# 74

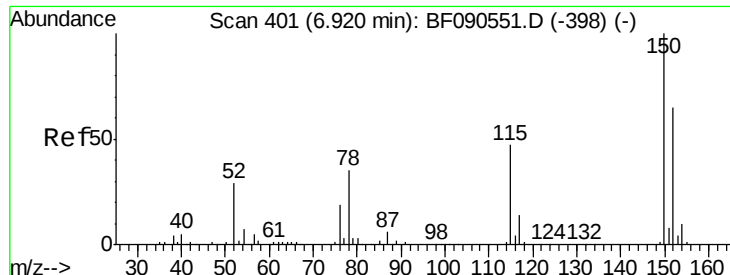
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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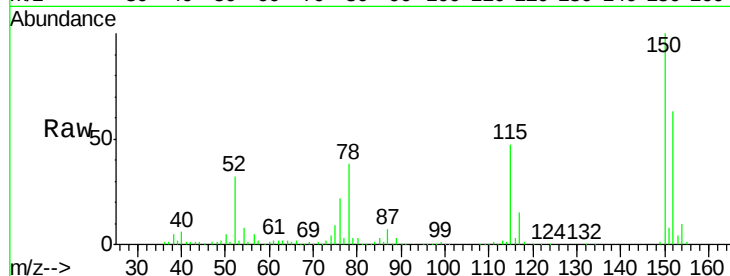


#1

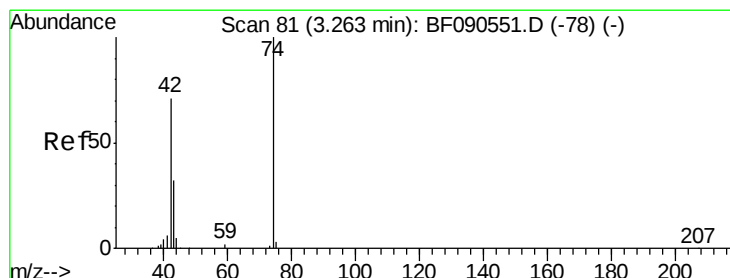
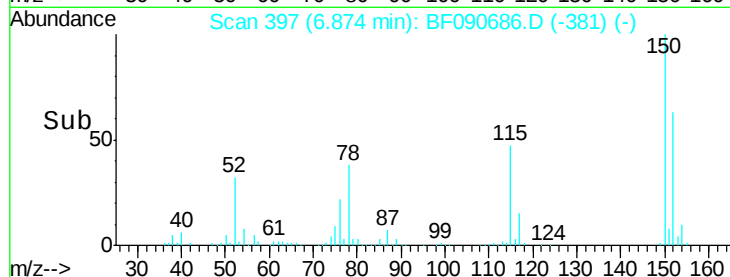
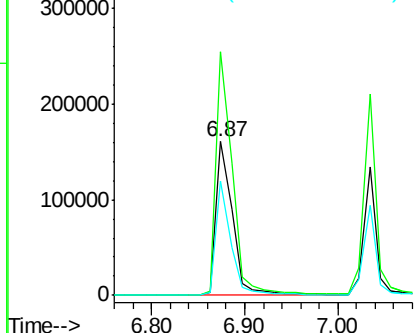
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.87 min Scan# 397
Delta R.T. -0.01 min
Lab File: BF090686.D
Acq: 20 Oct 2016 17:03

Instrument :
BNA_F
ClientSampleId :
B-SUMP-1

Tgt Ion:152 Resp: 197267
Ion Ratio Lower Upper
152 100
150 158.3 127.2 190.8
115 74.5 58.6 88.0



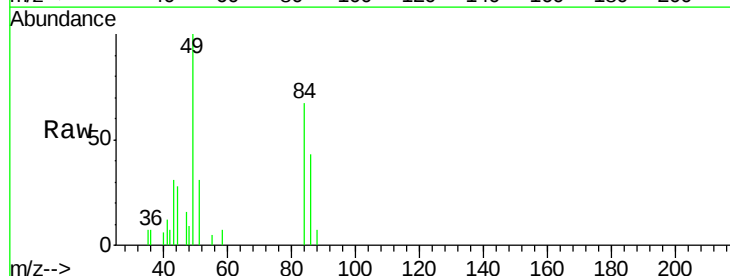
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



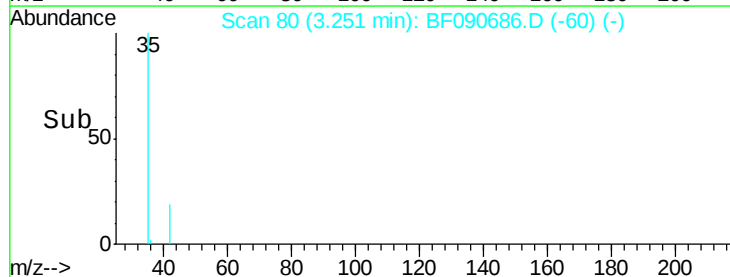
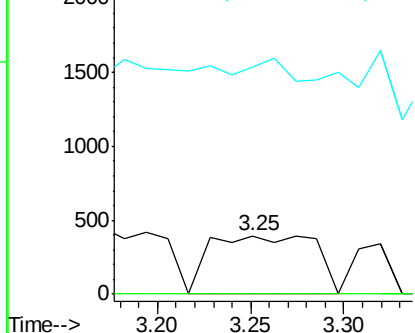
#4

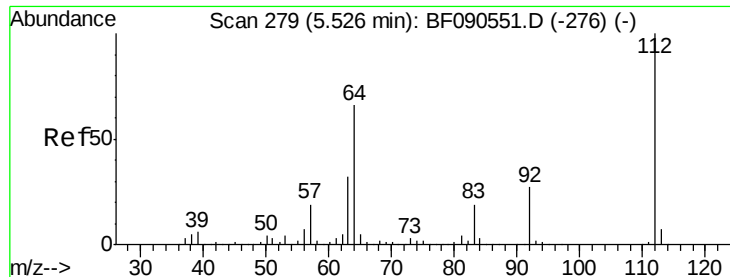
n-Nitrosodimethylamine
Concen: 7.44 ng
RT: 3.25 min Scan# 80
Delta R.T. 0.03 min
Lab File: BF090686.D
Acq: 20 Oct 2016 17:03

Tgt Ion: 42 Resp: 1543
Ion Ratio Lower Upper
42 100
74 0.0 113.3 169.9#
44 389.1 6.0 9.0#



Abundance Ion 42.00 (41.70 to 42.70): BF0
Ion 74.00 (73.70 to 74.70): BF0
Ion 44.00 (43.70 to 44.70): BF0





#5

2-Fluorophenol

Concen: 22.96 ng

RT: 5.47 min Scan# 274

Delta R.T. -0.02 min

Lab File: BF090686.D

Acq: 20 Oct 2016 17:03

Instrument :

BNA_F

ClientSampleId :

B-SUMP-1

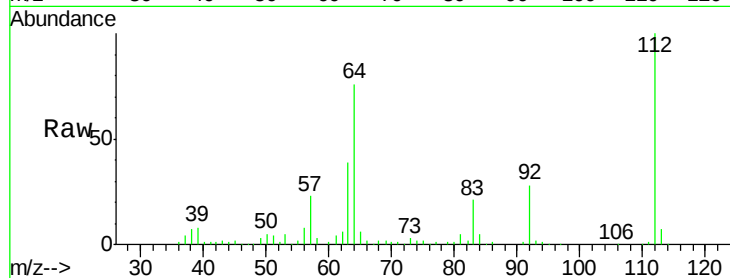
Tgt Ion: 112 Resp: 247023

Ion Ratio Lower Upper

112 100

64 76.4 52.6 78.8

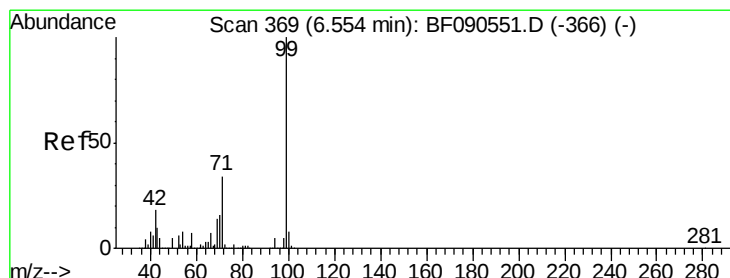
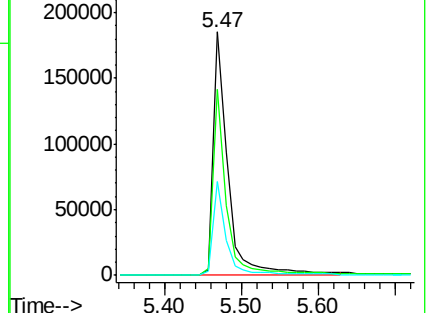
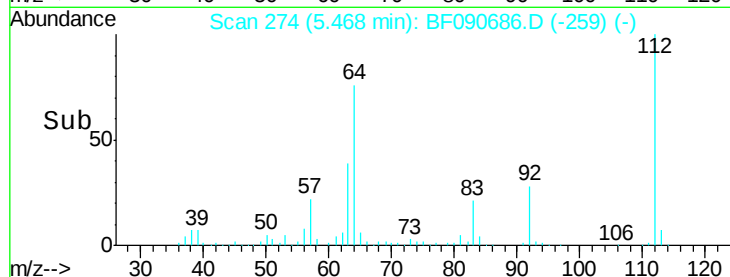
63 38.8 26.0 39.0



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: 22.40 ng

RT: 6.51 min Scan# 365

Delta R.T. -0.02 min

Lab File: BF090686.D

Acq: 20 Oct 2016 17:03

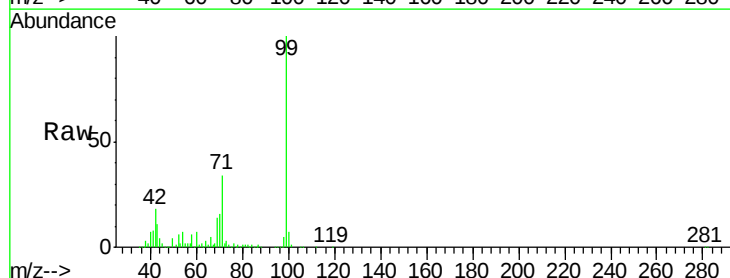
Tgt Ion: 99 Resp: 358211

Ion Ratio Lower Upper

99 100

42 18.3 14.7 22.1

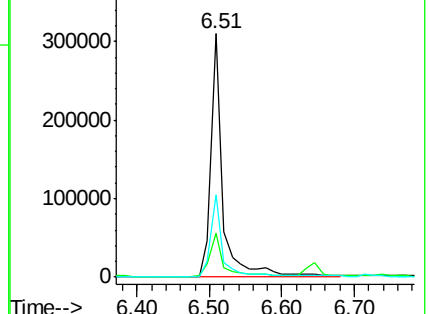
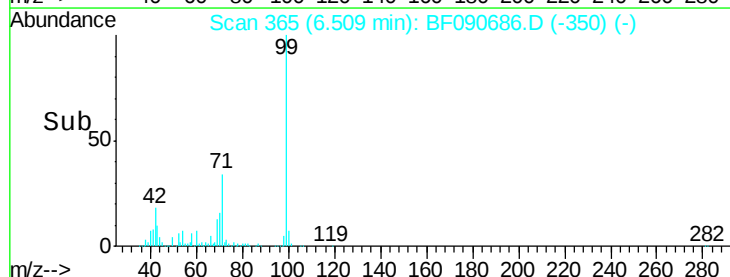
71 33.8 27.6 41.4

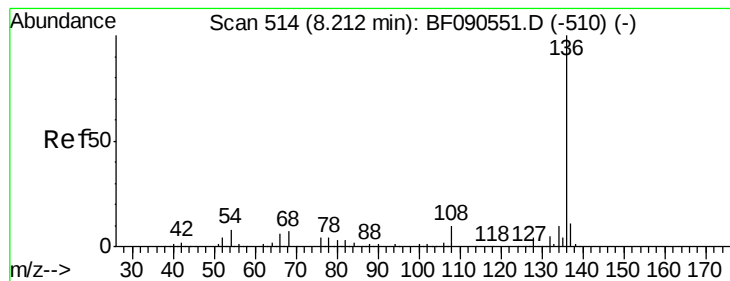


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.17 min Scan# 510

Delta R.T. -0.01 min

Lab File: BF090686.D

Acq: 20 Oct 2016 17:03

Instrument :

BNA_F

ClientSampleId :

B-SUMP-1

Tgt Ion: 136 Resp: 861163

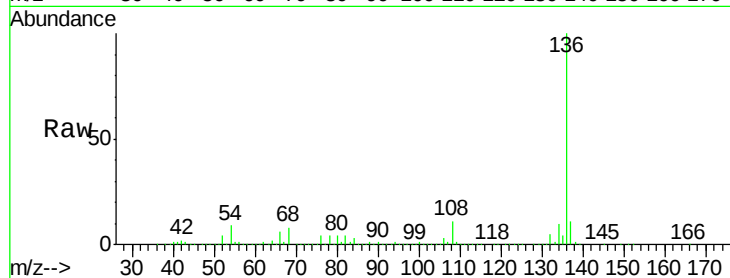
Ion Ratio Lower Upper

136 100

137 11.5 8.8 13.2

54 9.1 6.8 10.2

68 8.0 6.0 9.0

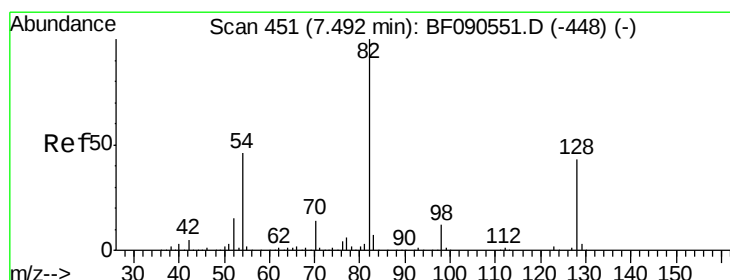
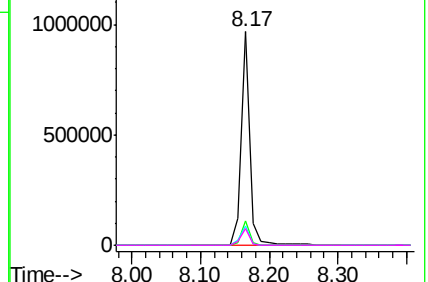
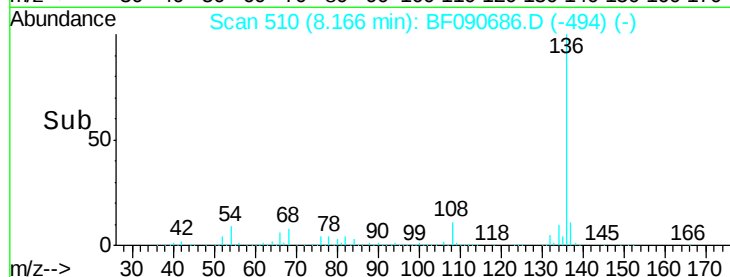


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 13.59 ng

RT: 7.43 min Scan# 446

Delta R.T. -0.02 min

Lab File: BF090686.D

Acq: 20 Oct 2016 17:03

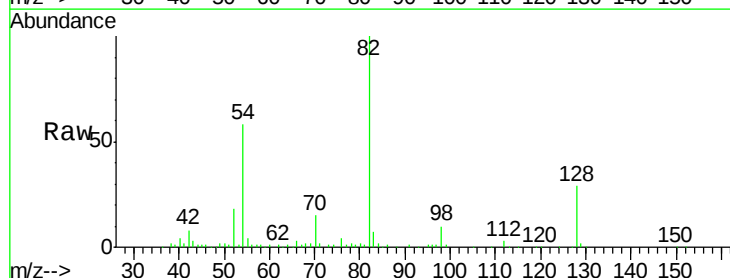
Tgt Ion: 82 Resp: 210639

Ion Ratio Lower Upper

82 100

128 29.3 34.3 51.5#

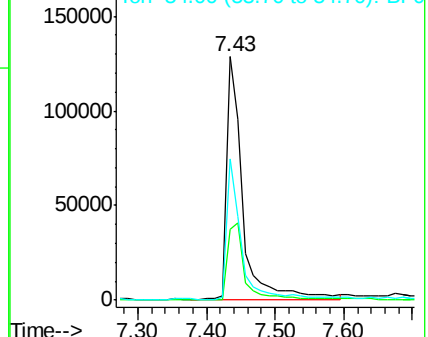
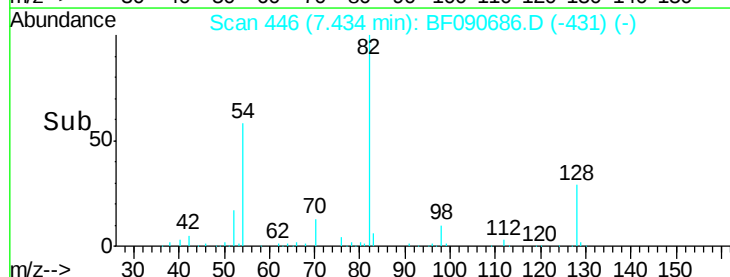
54 57.9 37.0 55.6#

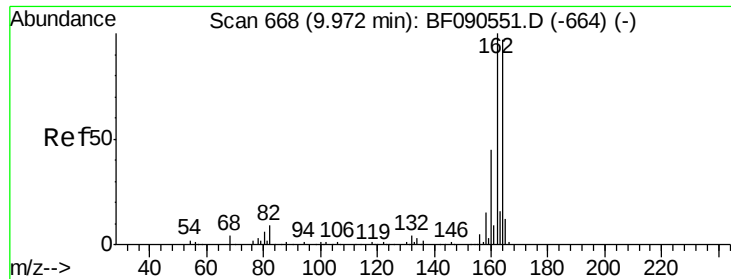


Abundance Ion 82.00 (81.70 to 82.70): BF0

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: 9.93 min Scan# 664

Delta R.T. -0.01 min

Lab File: BF090686.D

Acq: 20 Oct 2016 17:03

Instrument :

BNA_F

ClientSampleId :

B-SUMP-1

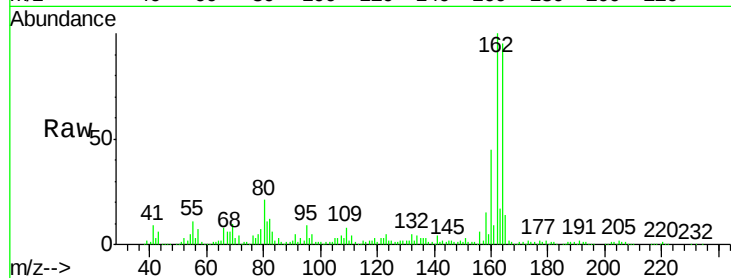
Tgt Ion:164 Resp: 418343

Ion Ratio Lower Upper

164 100

162 104.9 82.2 123.4

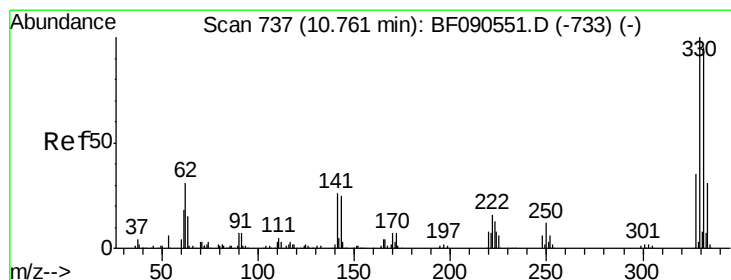
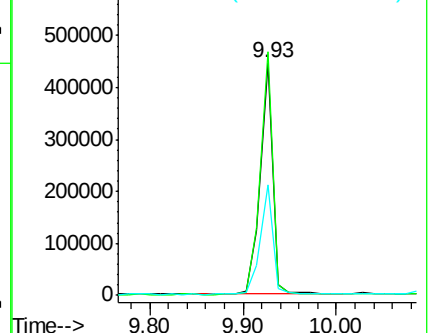
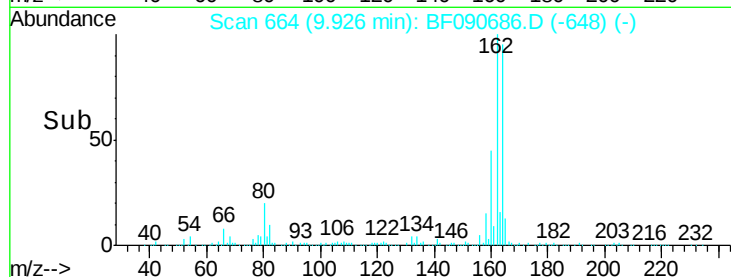
160 47.4 36.6 55.0



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: 16.50 ng

RT: 10.71 min Scan# 733

Delta R.T. -0.01 min

Lab File: BF090686.D

Acq: 20 Oct 2016 17:03

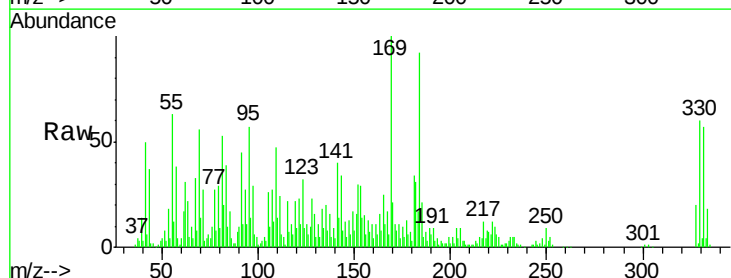
Tgt Ion:330 Resp: 61541

Ion Ratio Lower Upper

330 100

332 95.7 76.2 114.2

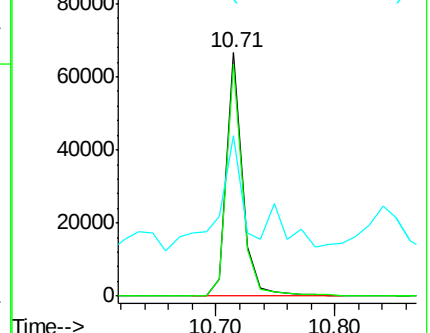
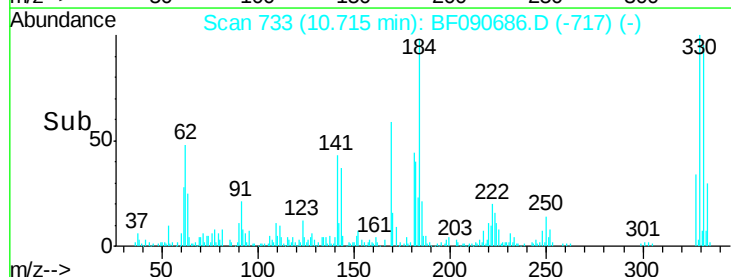
141 69.2 31.4 47.2#

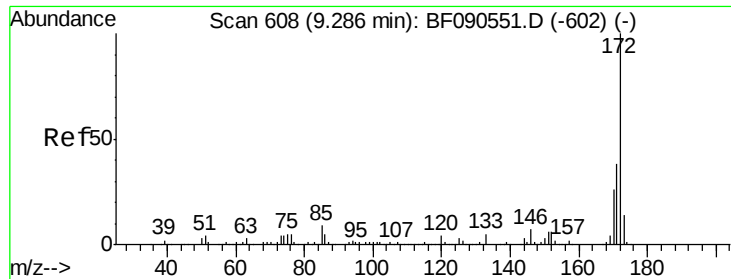


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

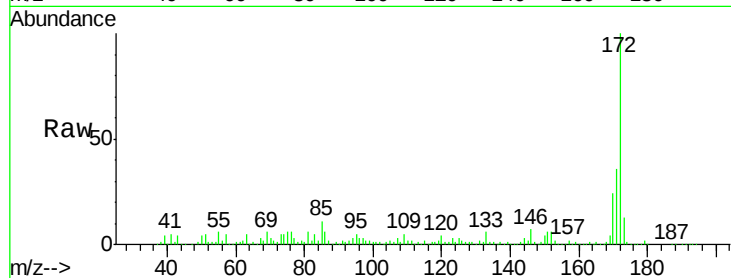




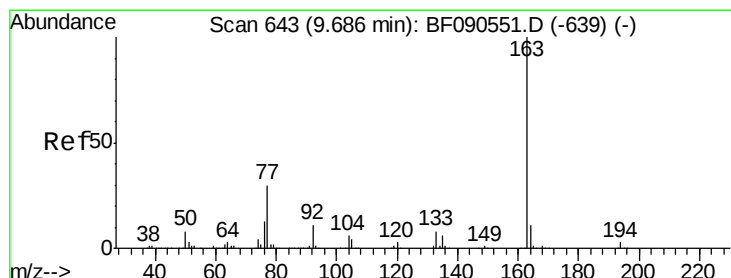
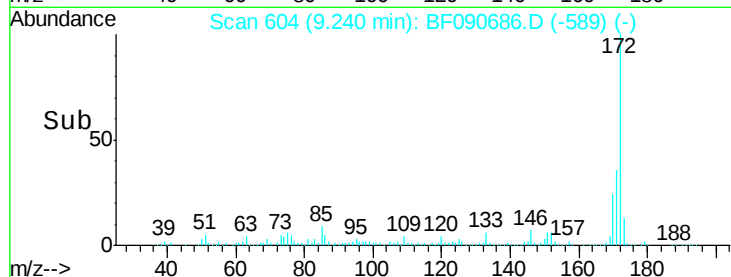
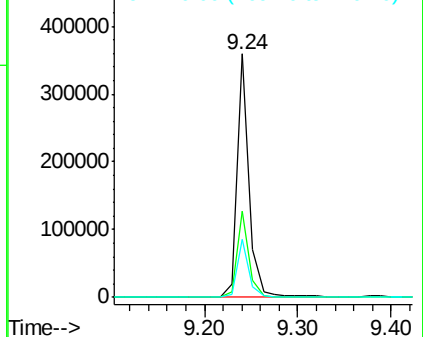
#44
2-Fluorobiphenyl
Concen: 12.81 ng
RT: 9.24 min Scan# 604
Delta R.T. -0.02 min
Lab File: BF090686.D
Acq: 20 Oct 2016 17:03

Instrument :
BNA_F
ClientSampleId :
B-SUMP-1

Tgt Ion:172 Resp: 325238
Ion Ratio Lower Upper
172 100
171 35.6 30.1 45.1
170 24.0 20.6 30.8

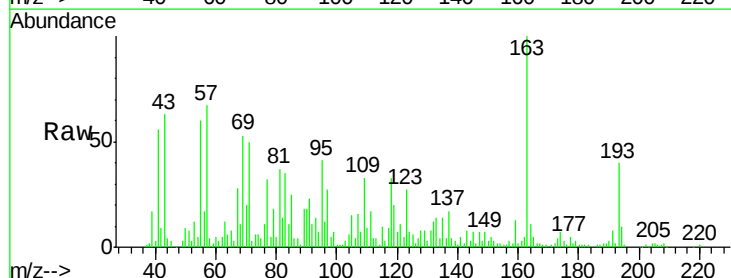


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

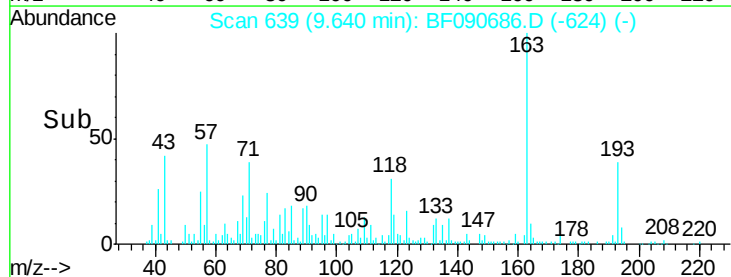
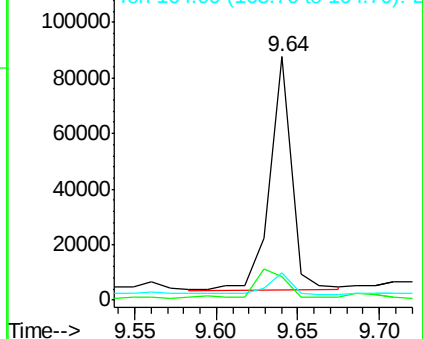


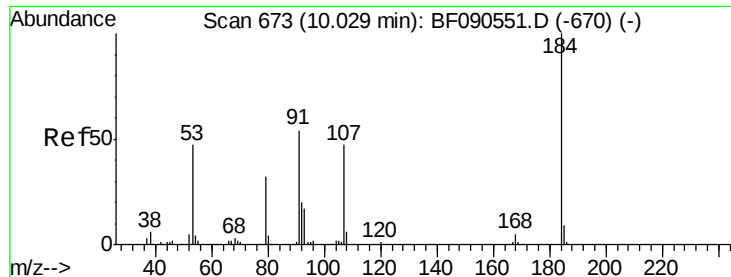
#49
Dimethylphthalate
Concen: 2.88 ng
RT: 9.64 min Scan# 639
Delta R.T. -0.02 min
Lab File: BF090686.D
Acq: 20 Oct 2016 17:03

Tgt Ion:163 Resp: 78279
Ion Ratio Lower Upper
163 100
194 9.6 2.3 3.5#
164 11.1 8.6 13.0



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

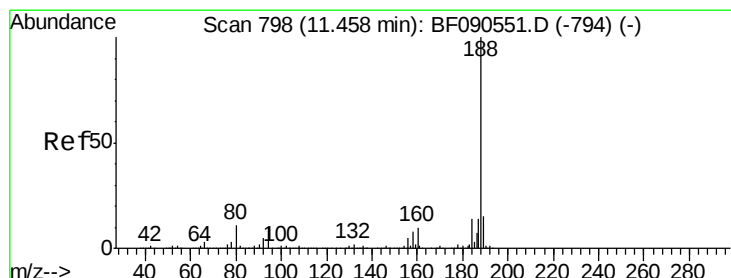
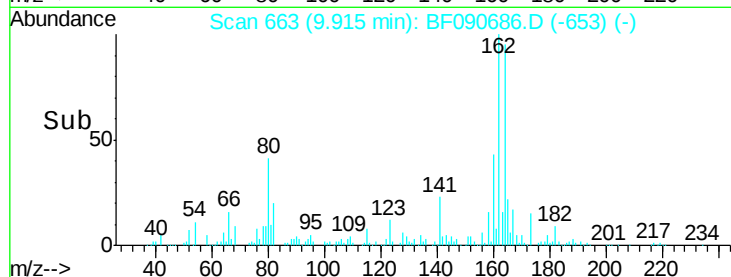
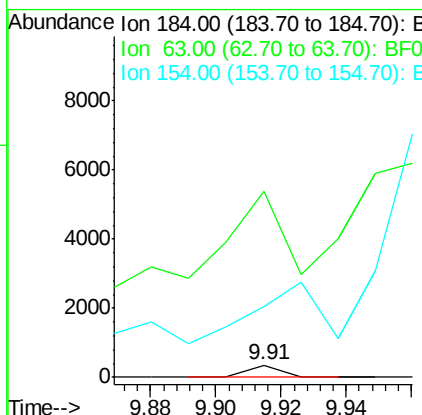
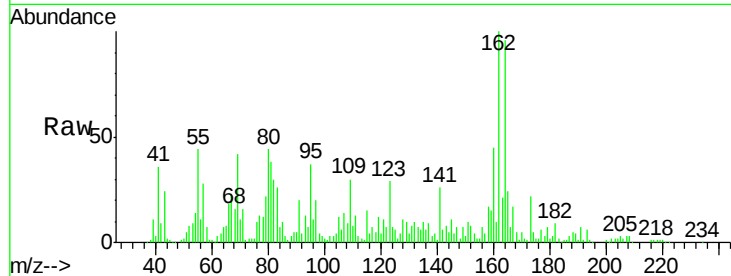




#53
 2,4-Dinitrophenol
 Concen: 5.75 ng
 RT: 9.91 min Scan# 663
 Delta R.T. -0.08 min
 Lab File: BF090686.D
 Acq: 20 Oct 2016 17:03

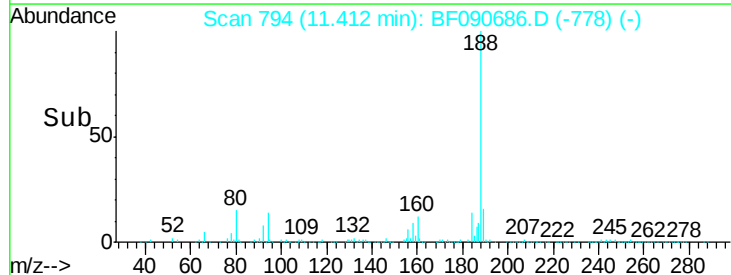
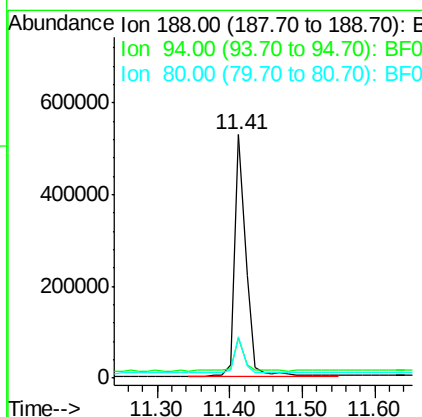
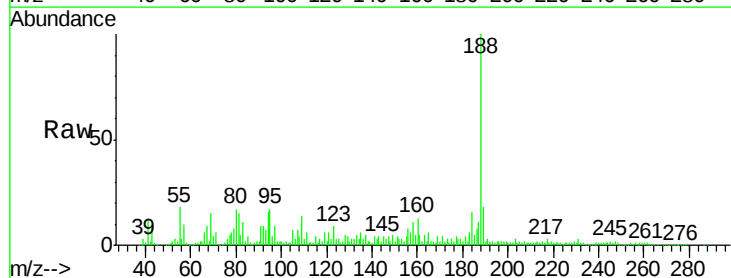
Instrument :
 BNA_F
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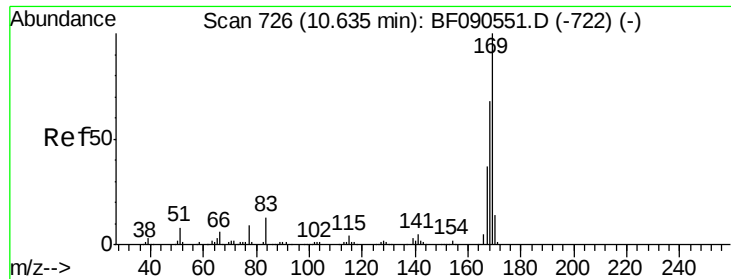
Tgt Ion:184 Resp: 245
 Ion Ratio Lower Upper
 184 100
 63 1502.5 60.2 90.2#
 154 570.9 86.1 129.1#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.41 min Scan# 794
 Delta R.T. -0.01 min
 Lab File: BF090686.D
 Acq: 20 Oct 2016 17:03

Tgt Ion:188 Resp: 575094
 Ion Ratio Lower Upper
 188 100
 94 16.3 7.7 11.5#
 80 16.9 8.6 12.8#

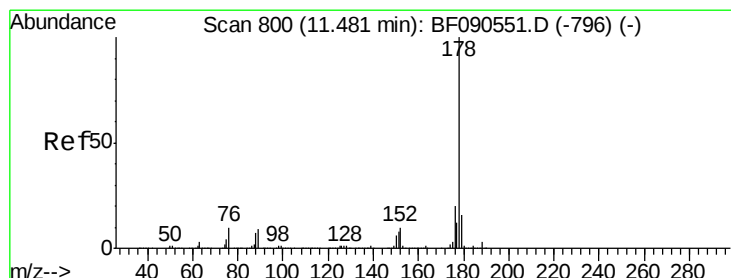
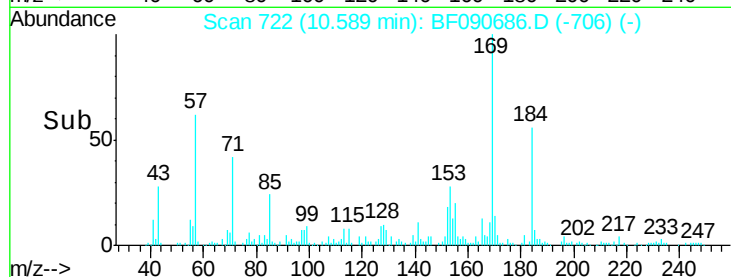
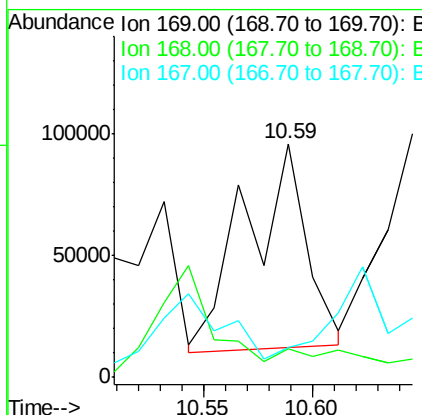
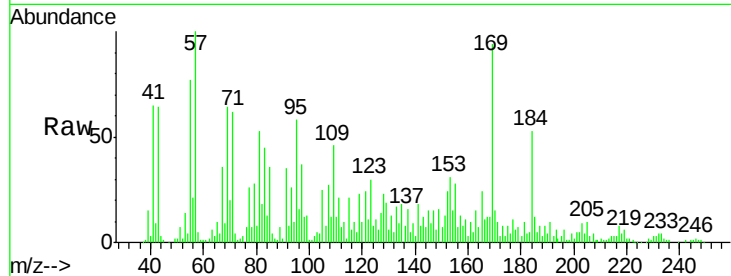




#65
n-Nitrosodiphenylamine
Concen: 8.65 ng
RT: 10.59 min Scan# 722
Delta R.T. -0.01 min
Lab File: BF090686.D
Acq: 20 Oct 2016 17:03

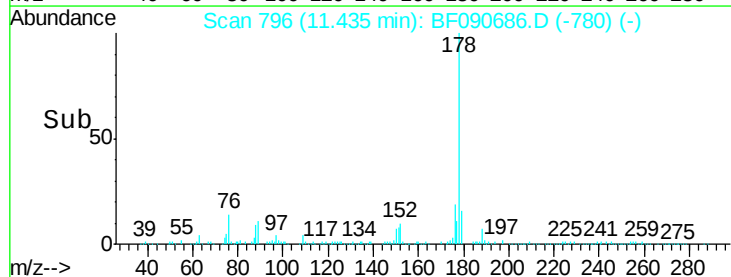
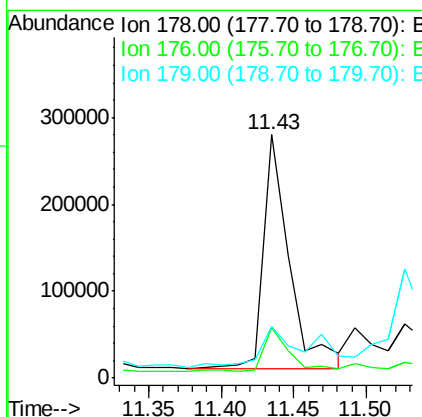
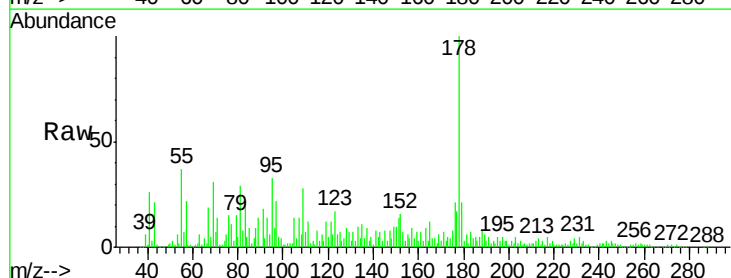
Instrument :
BNA_F
ClientSampleId :
B-SUMP-1

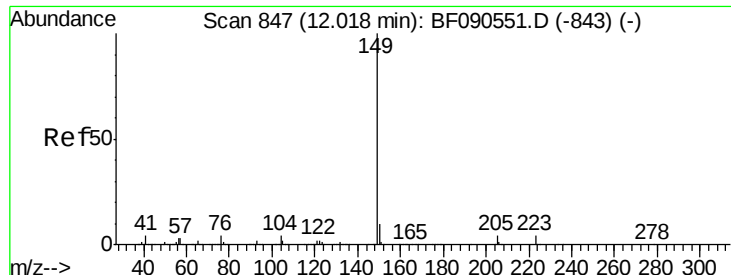
Tgt Ion:169 Resp: 164333
Ion Ratio Lower Upper
169 100
168 12.3 54.6 81.8#
167 12.5 29.8 44.8#



#70
Phenanthrene
Concen: 10.82 ng
RT: 11.43 min Scan# 796
Delta R.T. -0.01 min
Lab File: BF090686.D
Acq: 20 Oct 2016 17:03

Tgt Ion:178 Resp: 332250
Ion Ratio Lower Upper
178 100
176 20.7 16.1 24.1
179 21.1 12.6 19.0#

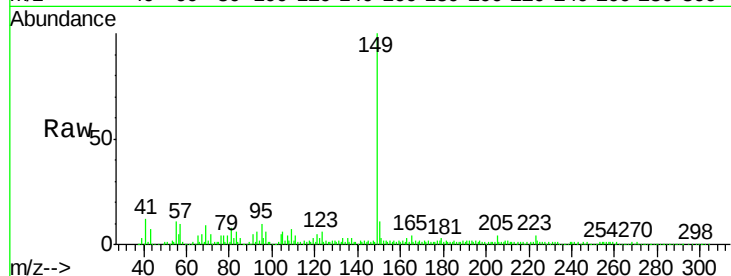




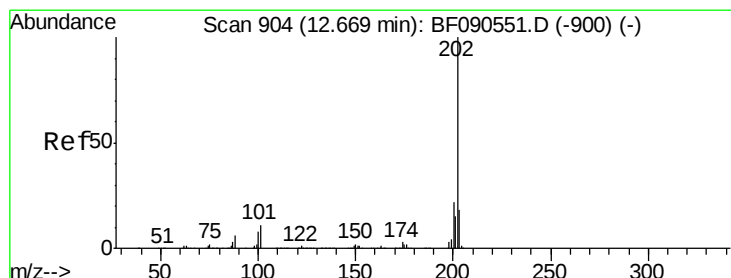
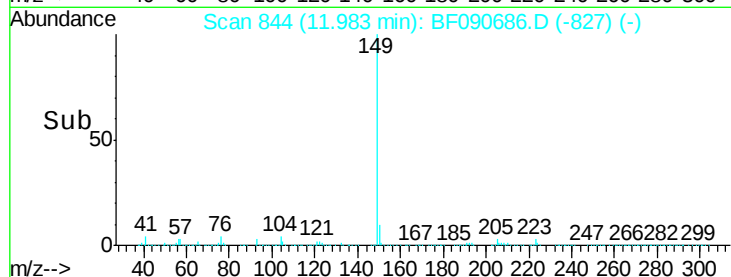
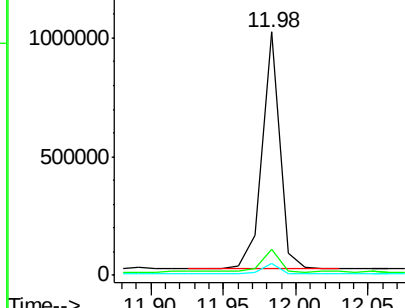
#73
Di-n-butylphthalate
Concen: 24.11 ng
RT: 11.98 min Scan# 844
Delta R.T. -0.00 min
Lab File: BF090686.D
Acq: 20 Oct 2016 17:03

Instrument :
BNA_F
ClientSampleId :
B-SUMP-1

Tgt Ion:149 Resp: 835486
Ion Ratio Lower Upper
149 100
150 10.5 7.8 11.6
104 4.9 3.3 4.9

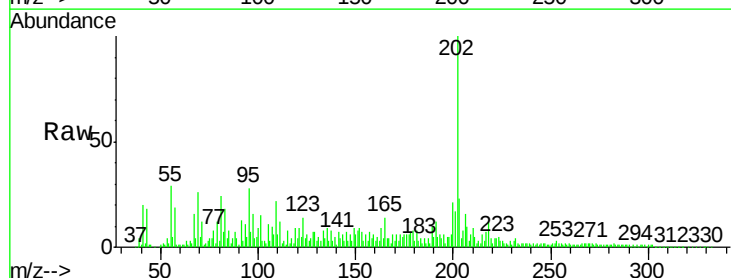


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 104.00 (103.70 to 104.70): E

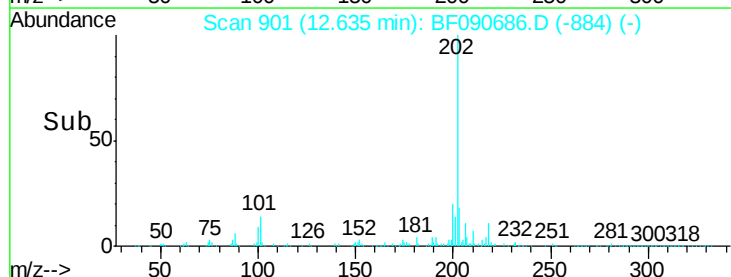
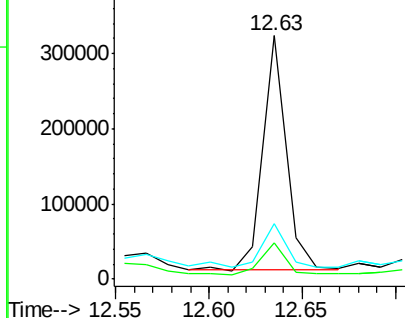


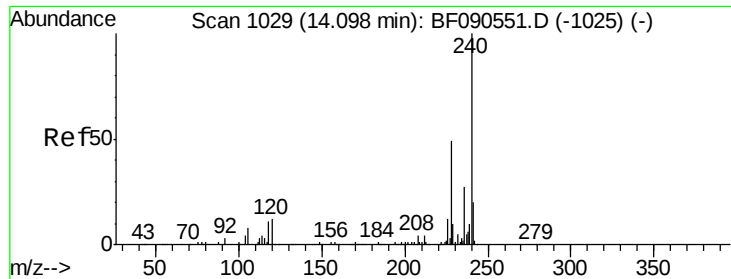
#74
Fluoranthene
Concen: 8.66 ng
RT: 12.63 min Scan# 901
Delta R.T. -0.00 min
Lab File: BF090686.D
Acq: 20 Oct 2016 17:03

Tgt Ion:202 Resp: 267531
Ion Ratio Lower Upper
202 100
101 15.0 0.0 31.1
203 22.8 0.0 38.0



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: 14.06 min Scan# 1026

Delta R.T. -0.00 min

Lab File: BF090686.D

Acq: 20 Oct 2016 17:03

Instrument :

BNA_F

ClientSampleId :

B-SUMP-1

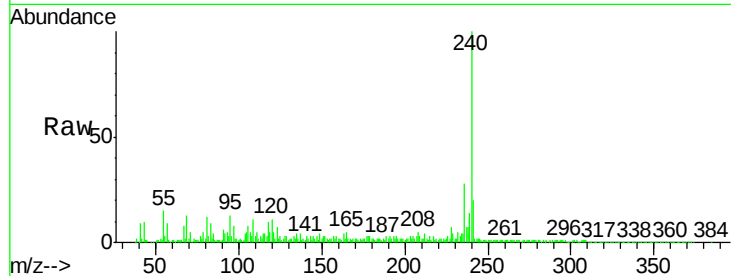
Tgt Ion:240 Resp: 537884

Ion Ratio Lower Upper

240 100

120 11.3 9.8 14.8

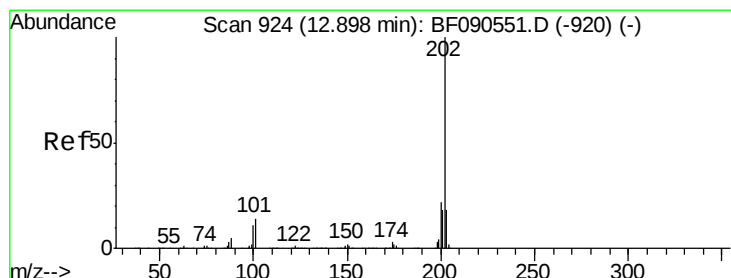
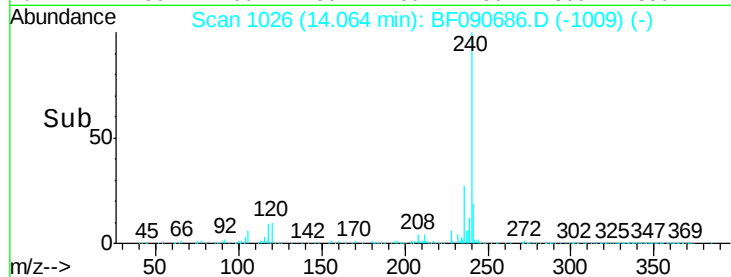
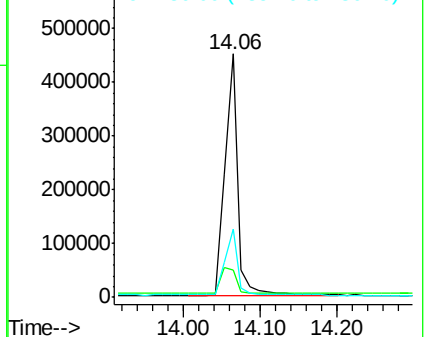
236 28.0 21.7 32.5



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: 11.24 ng

RT: 12.86 min Scan# 921

Delta R.T. -0.00 min

Lab File: BF090686.D

Acq: 20 Oct 2016 17:03

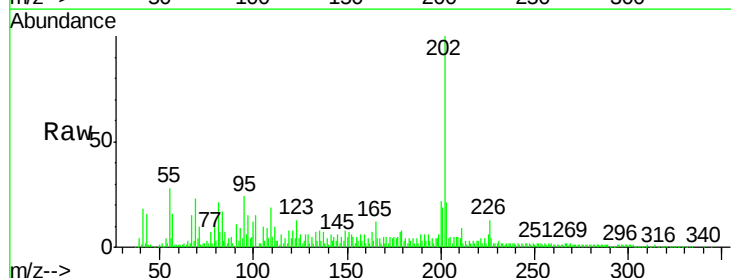
Tgt Ion:202 Resp: 400519

Ion Ratio Lower Upper

202 100

200 22.2 17.8 26.6

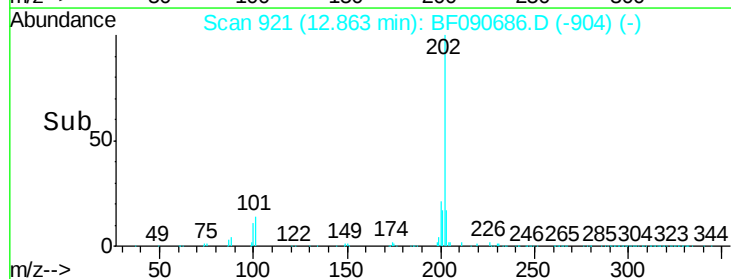
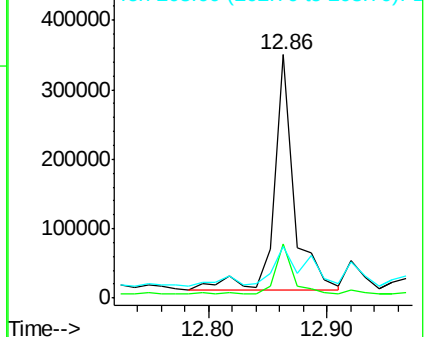
203 21.4 14.6 21.8

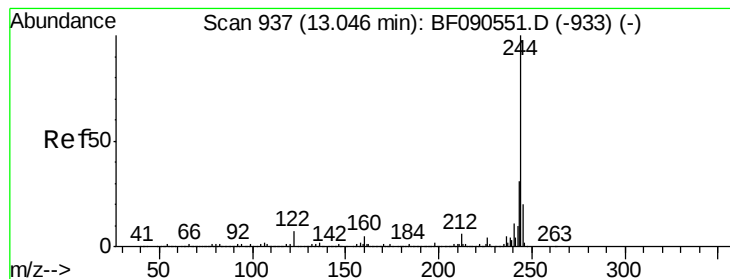


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 11.17 ng

RT: 13.00 min Scan# 933

Delta R.T. -0.01 min

Lab File: BF090686.D

Acq: 20 Oct 2016 17:03

Instrument :

BNA_F

ClientSampleId :

B-SUMP-1

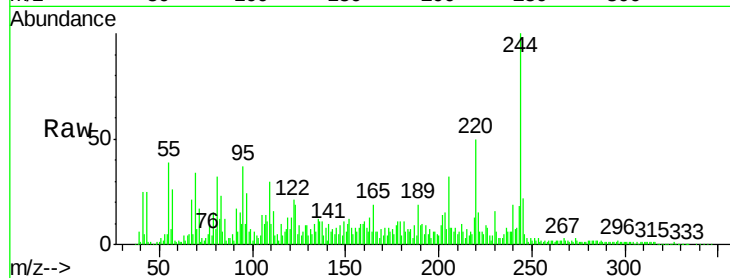
Tgt Ion:244 Resp: 258141

Ion Ratio Lower Upper

244 100

212 9.9 5.0 7.4#

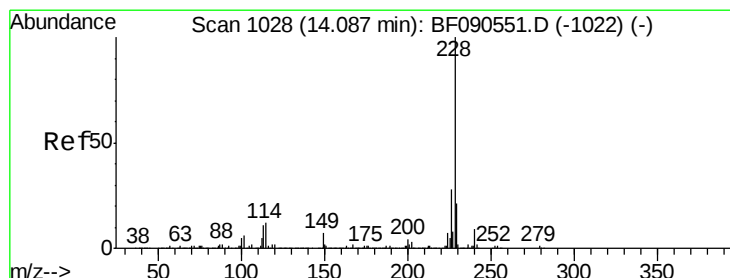
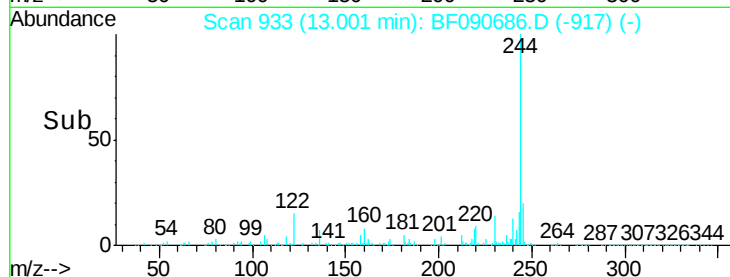
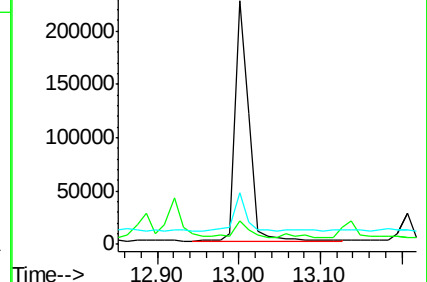
122 21.2 5.6 8.4#



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



#80

Benzo(a)anthracene

Concen: 5.10 ng

RT: 14.09 min Scan# 1028

Delta R.T. 0.03 min

Lab File: BF090686.D

Acq: 20 Oct 2016 17:03

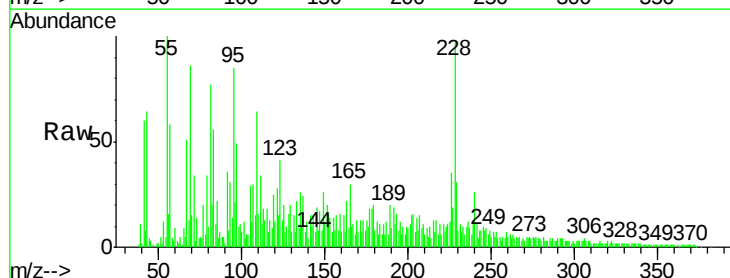
Tgt Ion:228 Resp: 156024

Ion Ratio Lower Upper

228 100

226 35.8 22.8 34.2#

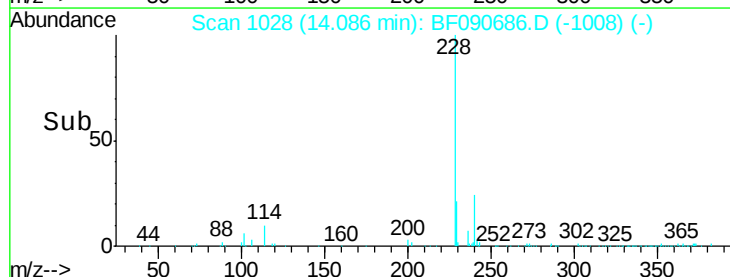
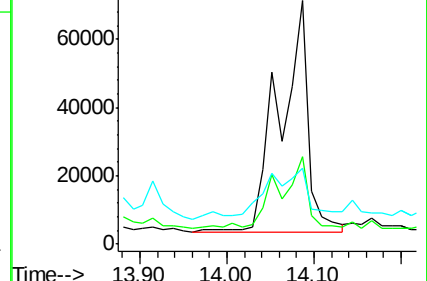
229 31.4 16.6 25.0#

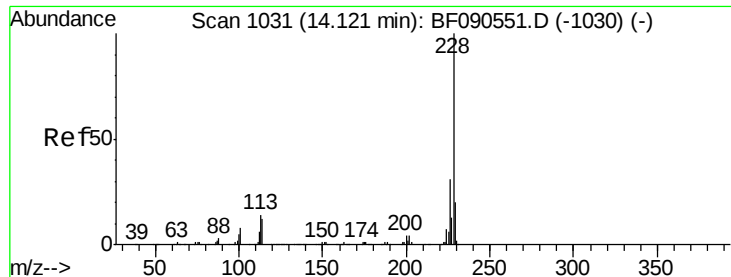


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 5.29 ng

RT: 14.09 min Scan# 1028

Delta R.T. -0.01 min

Lab File: BF090686.D

Acq: 20 Oct 2016 17:03

Instrument :

BNA_F

ClientSampleId :

B-SUMP-1

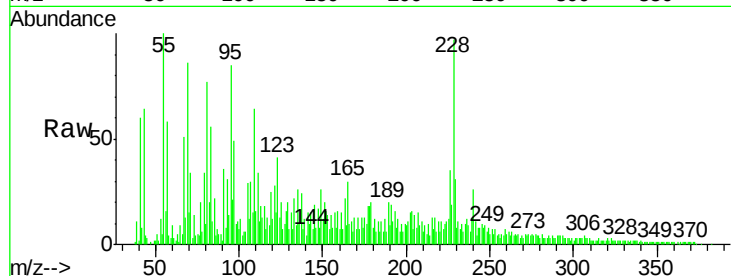
Tgt Ion: 228 Resp: 156024

Ion Ratio Lower Upper

228 100

226 35.8 24.8 37.2

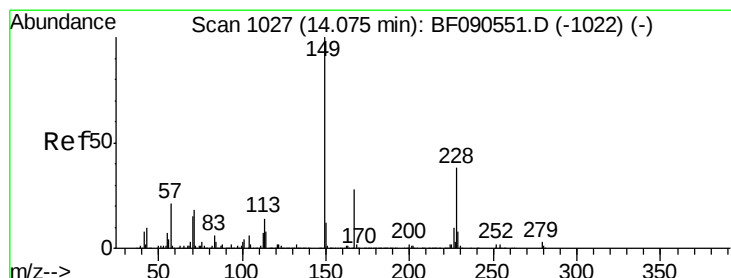
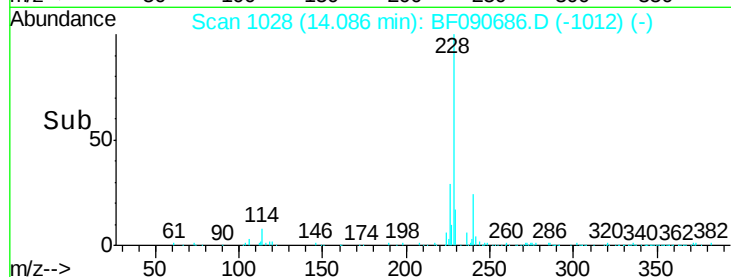
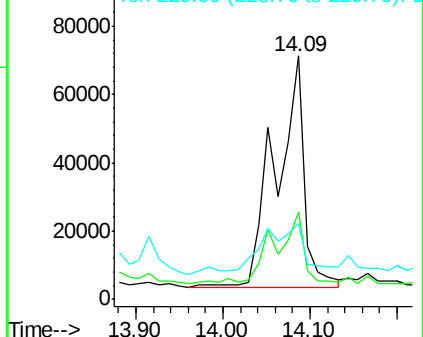
229 31.4 16.2 24.4#



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 4.83 ng

RT: 14.04 min Scan# 1024

Delta R.T. -0.00 min

Lab File: BF090686.D

Acq: 20 Oct 2016 17:03

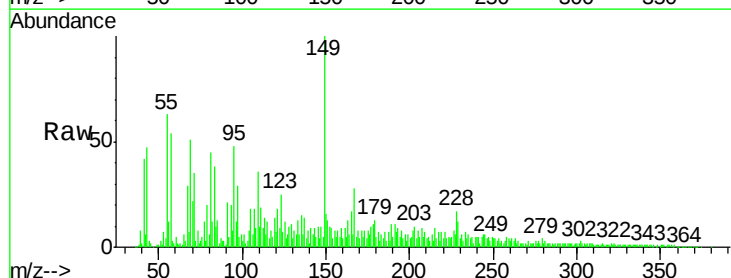
Tgt Ion: 149 Resp: 102931

Ion Ratio Lower Upper

149 100

167 28.0 22.1 33.1

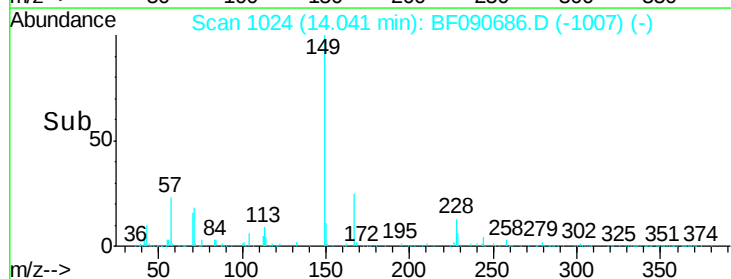
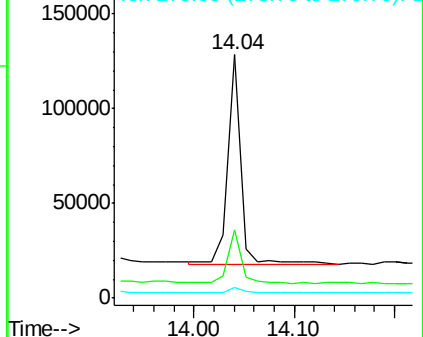
279 4.5 2.6 4.0#

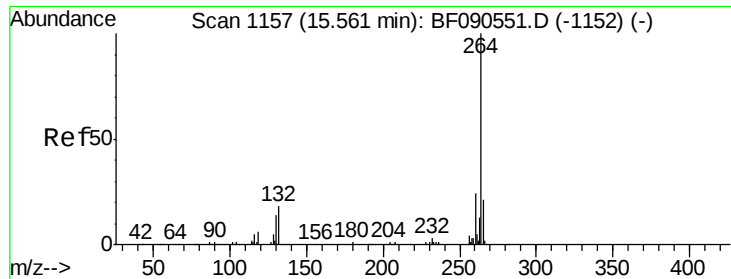


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



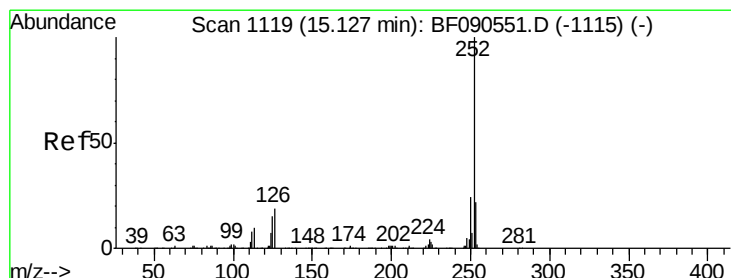
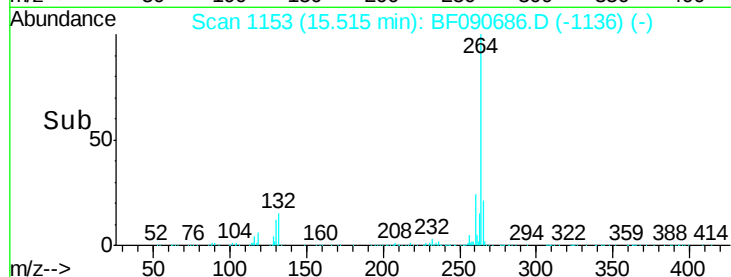
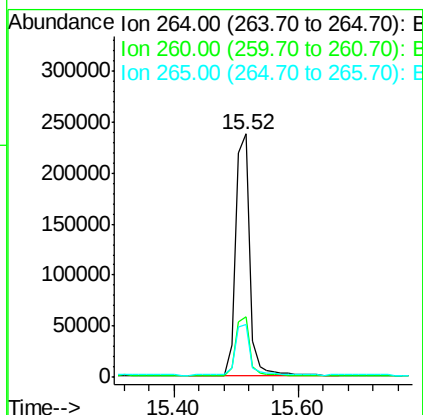
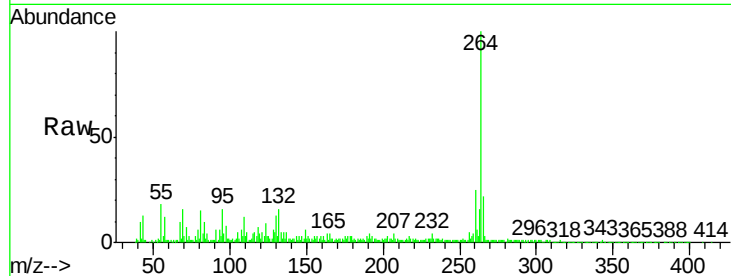


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.52 min Scan# 1153
Delta R.T. -0.00 min
Lab File: BF090686.D
Acq: 20 Oct 2016 17:03

Instrument :
BNA_F
ClientSampleId :
B-SUMP-1

Tgt Ion: 264 Resp: 381235

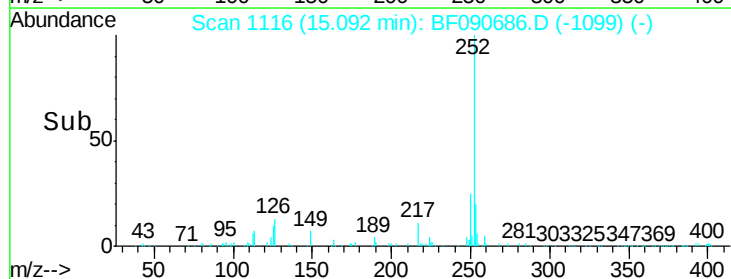
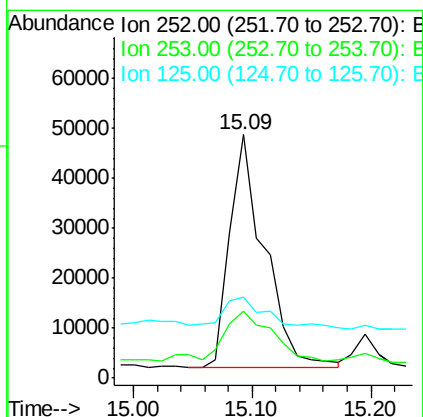
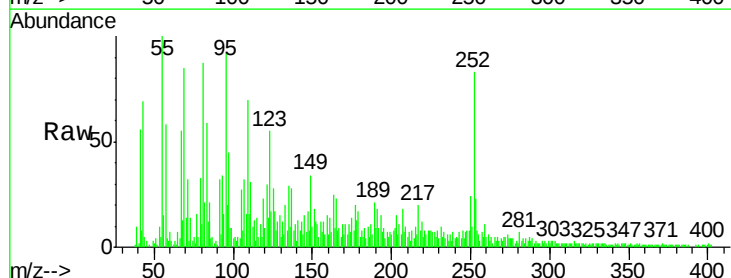
Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.3	28.9
265	21.7	16.7	25.1

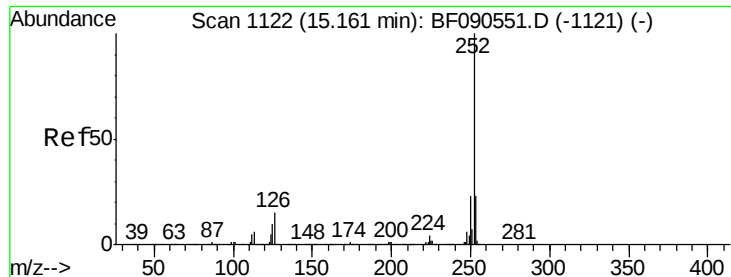


#87
Benzo(b)fluoranthene
Concen: 3.79 ng
RT: 15.09 min Scan# 1116
Delta R.T. -0.00 min
Lab File: BF090686.D
Acq: 20 Oct 2016 17:03

Tgt Ion: 252 Resp: 94436

Ion	Ratio	Lower	Upper
252	100		
253	27.6	17.8	26.8#
125	33.2	12.0	18.0#





#88

Benzo(k)fluoranthene

Concen: 3.52 ng

RT: 15.09 min Scan# 1116

Delta R.T. -0.03 min

Lab File: BF090686.D

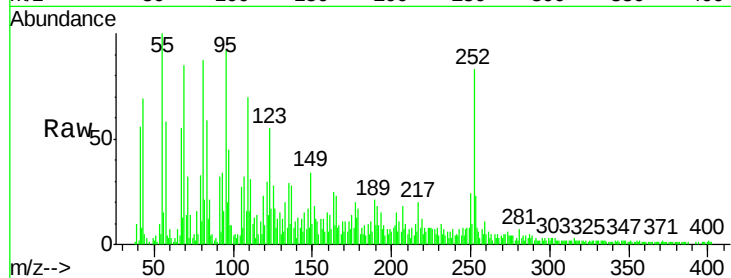
Acq: 20 Oct 2016 17:03

Instrument :

BNA_F

ClientSampleId :

B-SUMP-1



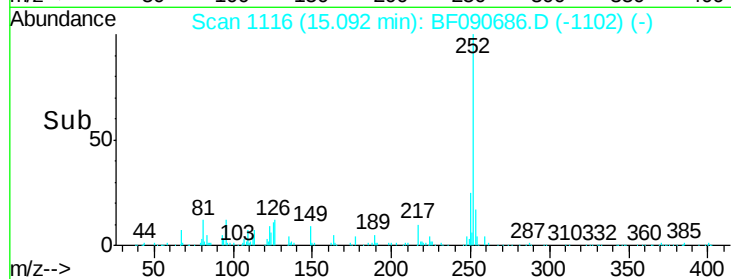
Tgt Ion: 252 Resp: 94436

Ion Ratio Lower Upper

252 100

253 27.6 18.0 27.0#

125 33.2 10.0 15.0#



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

