

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110816\
 Data File : BF091105.D
 Acq On : 9 Nov 2016 2:48
 Operator : UM/SJ
 Sample : H5593-01
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WEST-SIDEWALL

Quant Time: Nov 09 06:02:42 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 08 12:59:29 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.66	152	175527	20.00	ng	0.00
21) Naphthalene-d8	7.95	136	736251	20.00	ng	0.00
38) Acenaphthene-d10	9.70	164	368108	20.00	ng	0.00
63) Phenanthrene-d10	11.17	188	527729	20.00	ng	0.00
75) Chrysene-d12	13.80	240	358759	20.00	ng	-0.01
86) Perylene-d12	15.19	264	346921	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.25	112	1047284	98.54	ng	0.01
7) Phenol-d6	6.32	99	1424440	98.74	ng	0.00
23) Nitrobenzene-d5	7.23	82	922011	68.31	ng	-0.01
41) 2,4,6-Tribromophenol	10.49	330	307439	92.38	ng	0.00
44) 2-Fluorobiphenyl	9.02	172	1310047	61.27	ng	-0.01
78) Terphenyl-d14	12.76	244	1101348	76.61	ng	0.00

Target Compounds						Qvalue
9) Benzaldehyde	6.43	77	27372	3.42	ng	86
10) Phenol	6.33	94	77139	4.83	ng	# 60
19) n-Nitroso-di-n-propylamine	7.23	70	131370	13.14	ng	# 78
25) Isophorone	7.23	82	780647	30.02	ng	# 67
32) Benzoic acid	7.95	122	241	5.10	ng	# 1
49) Dimethylphthalate	9.42	163	276020	11.44	ng	98
55) 4-Nitrophenol	9.84	139	210	5.78	ng	# 1
56) 2,4-Dinitrotoluene	9.70	165	51025	7.75	ng	# 26
66) 4-Bromophenyl-phenylether	10.49	248	21663	3.95	ng	# 1
74) Fluoranthene	12.38	202	92758	3.19	ng	92
77) Pyrene	12.61	202	84828	3.61	ng	97
80) Benzo(a)anthracene	13.79	228	52394	2.57	ng	98
82) Chrysene	13.79	228	52394	2.61	ng	97
87) Benzo(b)fluoranthene	14.81	252	74416	3.16	ng	# 87
88) Benzo(k)fluoranthene	14.81	252	74416	3.61	ng	# 91

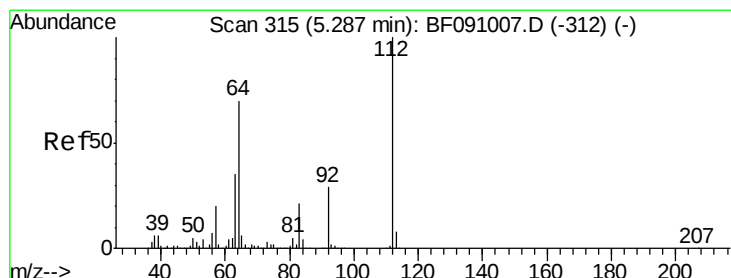
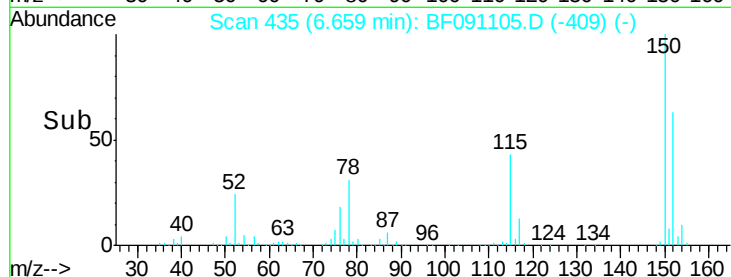
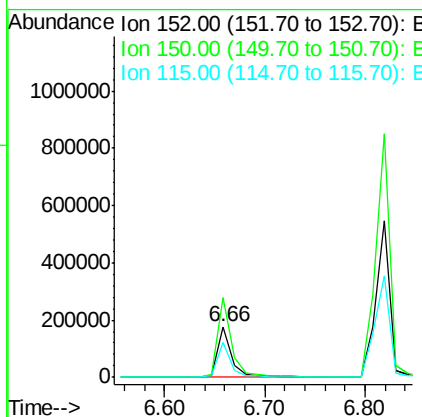
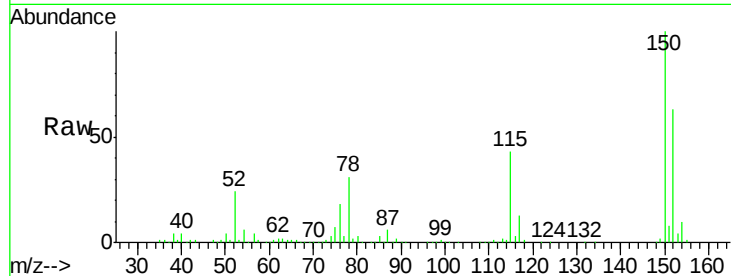
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.66 min Scan# 435
 Delta R.T. -0.00 min
 Lab File: BF091105.D
 Acq: 9 Nov 2016 2:48

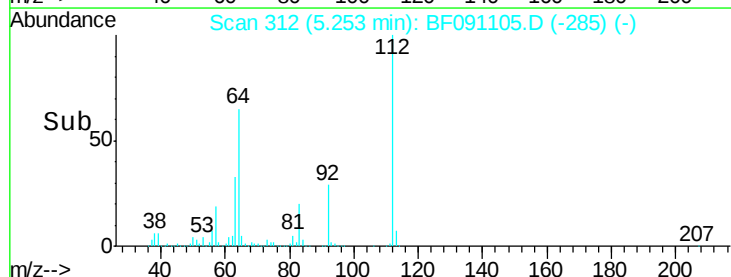
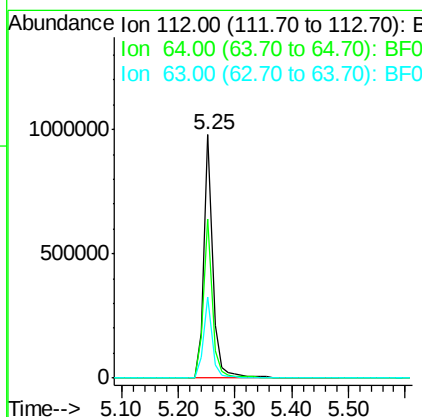
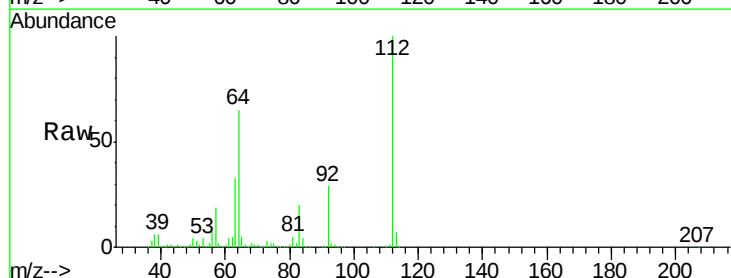
Instrument :
 BNA_F
 ClientSampleId :
 WEST-SIDEWALL

Tgt Ion:152 Resp: 175527
 Ion Ratio Lower Upper
 152 100
 150 158.4 126.8 190.2
 115 68.8 53.3 79.9



#5
 2-Fluorophenol
 Concen: 98.54 ng
 RT: 5.25 min Scan# 312
 Delta R.T. 0.01 min
 Lab File: BF091105.D
 Acq: 9 Nov 2016 2:48

Tgt Ion:112 Resp: 1047284
 Ion Ratio Lower Upper
 112 100
 64 65.5 55.8 83.6
 63 33.2 28.0 42.0





#7

Phenol-d6

Concen: 98.74 ng

RT: 6.32 min Scan# 405

Delta R.T. -0.00 min

Lab File: BF091105.D

Acq: 9 Nov 2016 2:48

Instrument :

BNA_F

ClientSampleId :

WEST-SIDEWALL

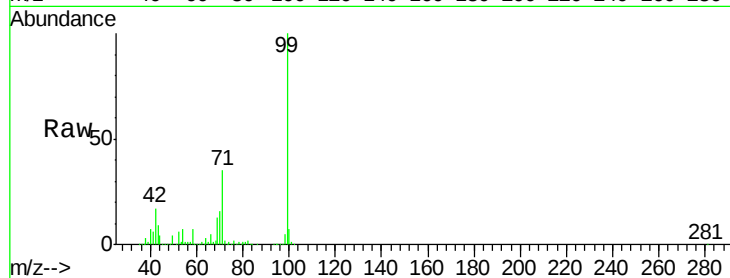
Tgt Ion: 99 Resp: 1424440

Ion Ratio Lower Upper

99 100

42 17.2 13.9 20.9

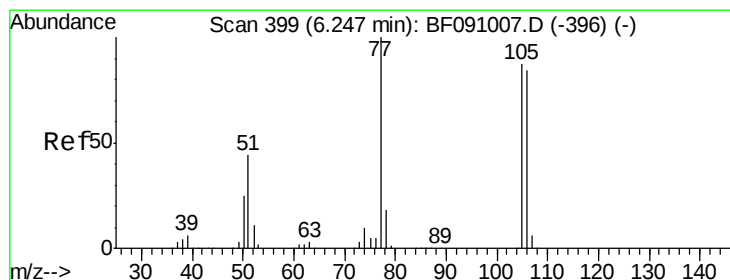
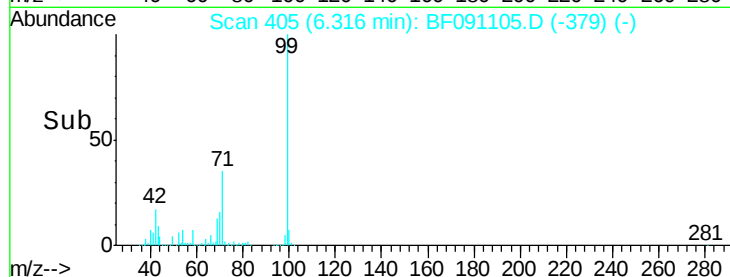
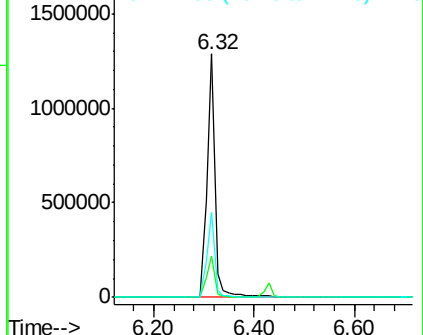
71 34.8 27.8 41.8



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



#9

Benzaldehyde

Concen: 3.42 ng

RT: 6.43 min Scan# 415

Delta R.T. 0.23 min

Lab File: BF091105.D

Acq: 9 Nov 2016 2:48

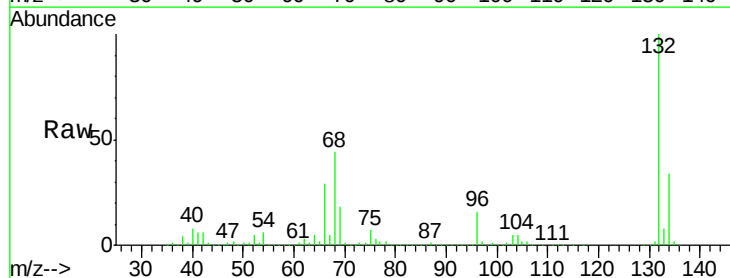
Tgt Ion: 77 Resp: 27372

Ion Ratio Lower Upper

77 100

105 78.5 66.8 106.8

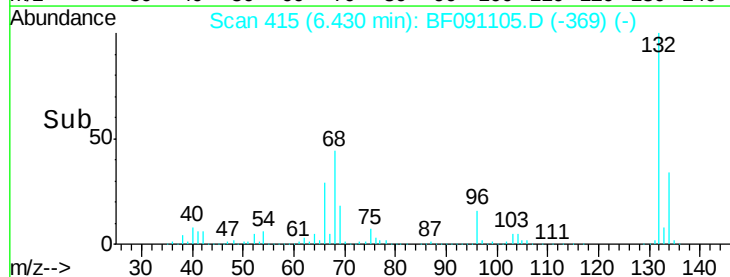
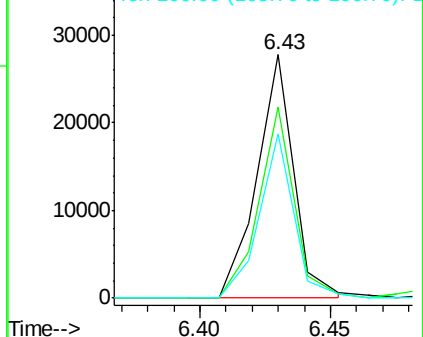
106 67.4 64.0 104.0

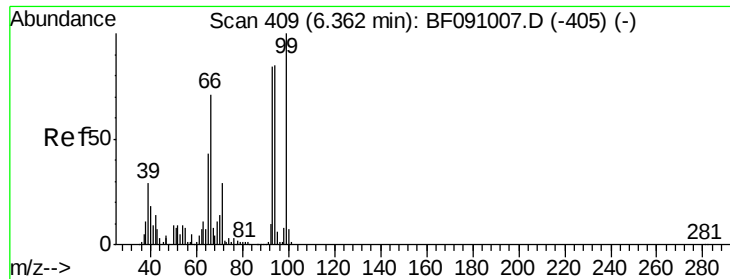


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B





#10

Phenol

Concen: 4.83 ng

RT: 6.33 min Scan# 406

Delta R.T. -0.00 min

Lab File: BF091105.D

Acq: 9 Nov 2016 2:48

Instrument :

BNA_F

ClientSampleId :

WEST-SIDEWALL

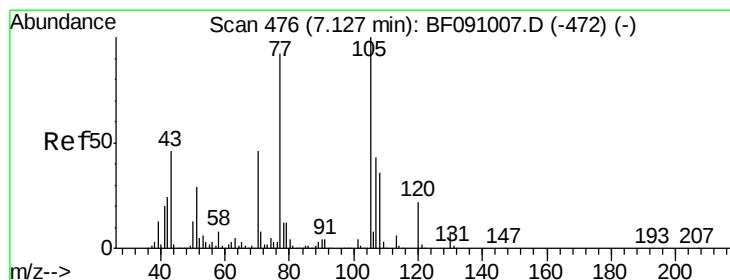
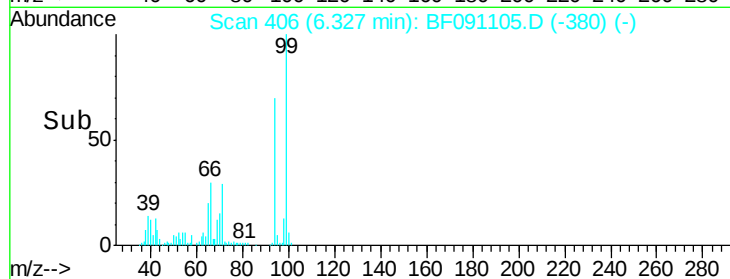
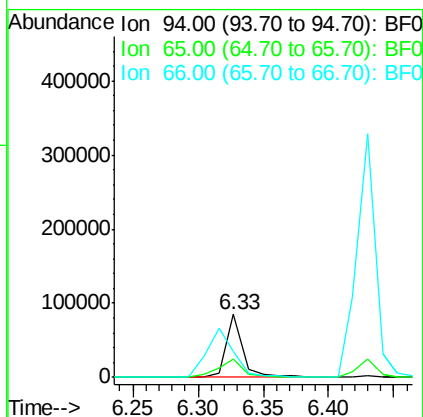
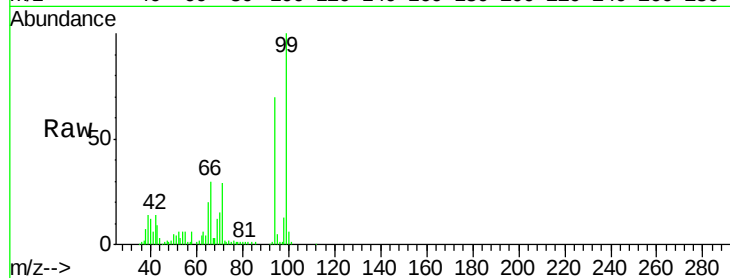
Tgt Ion: 94 Resp: 77139

Ion Ratio Lower Upper

94 100

65 29.3 30.4 70.4#

66 42.3 62.9 102.9#



#19

n-Nitroso-di-n-propylamine

Concen: 13.14 ng

RT: 7.23 min Scan# 485

Delta R.T. 0.14 min

Lab File: BF091105.D

Acq: 9 Nov 2016 2:48

Tgt Ion: 70 Resp: 131370

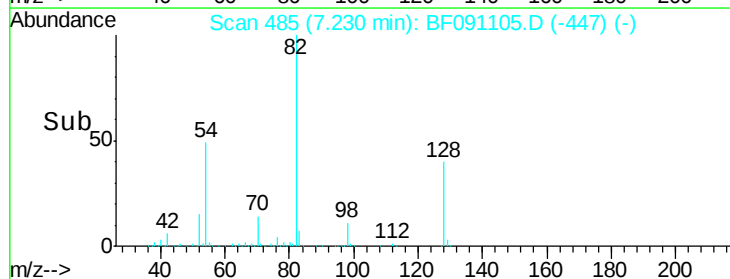
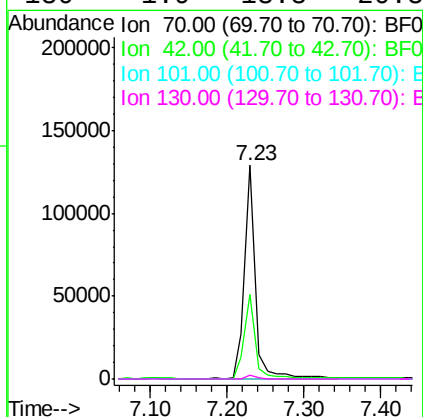
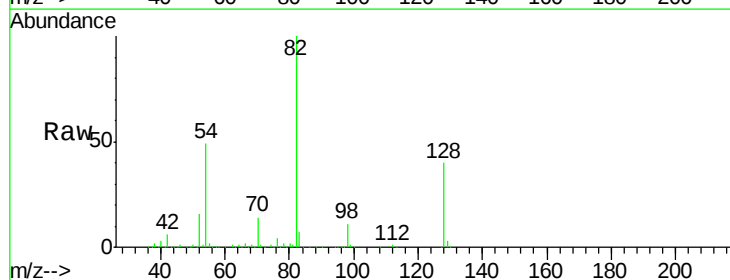
Ion Ratio Lower Upper

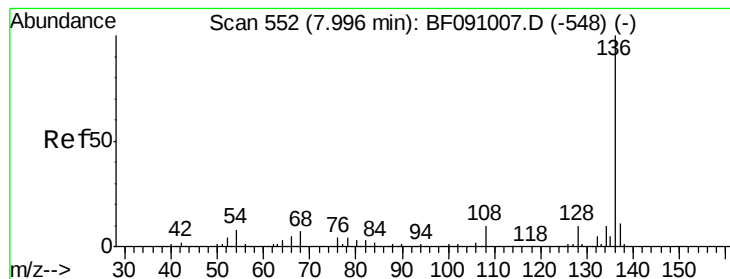
70 100

42 39.8 41.7 62.5#

101 0.0 6.7 10.1#

130 1.9 13.8 20.8#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.95 min Scan# 548

Delta R.T. -0.00 min

Lab File: BF091105.D

Acq: 9 Nov 2016 2:48

Instrument :

BNA_F

ClientSampleId :

WEST-SIDEWALL

Tgt Ion: 136 Resp: 736251

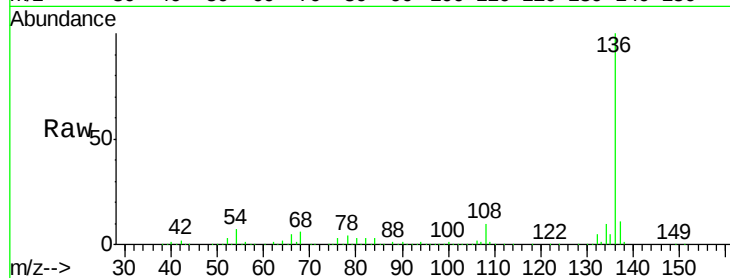
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 7.1 6.2 9.2

68 6.4 5.5 8.3

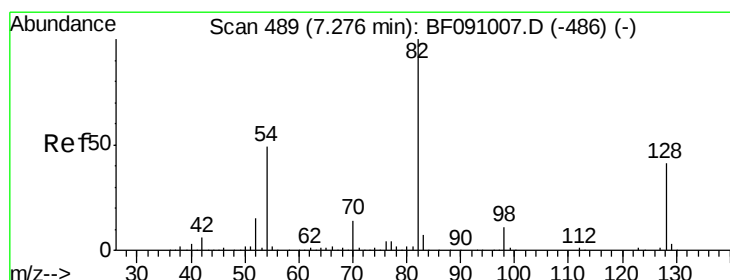
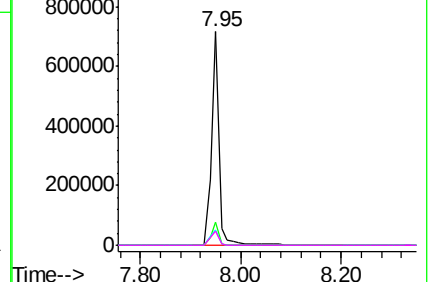
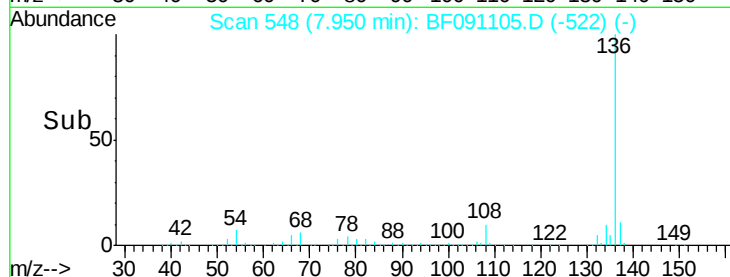


Abundance Ion 136.00 (135.70 to 136.70): E

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: 68.31 ng

RT: 7.23 min Scan# 485

Delta R.T. -0.01 min

Lab File: BF091105.D

Acq: 9 Nov 2016 2:48

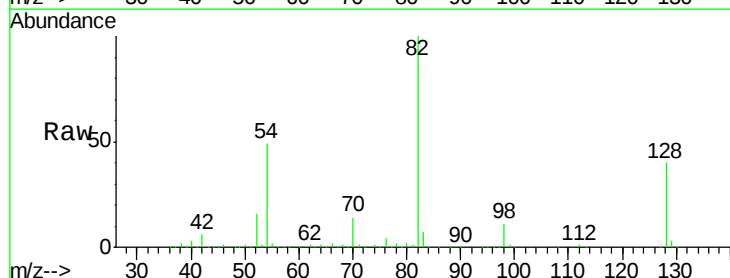
Tgt Ion: 82 Resp: 922011

Ion Ratio Lower Upper

82 100

128 39.9 32.4 48.6

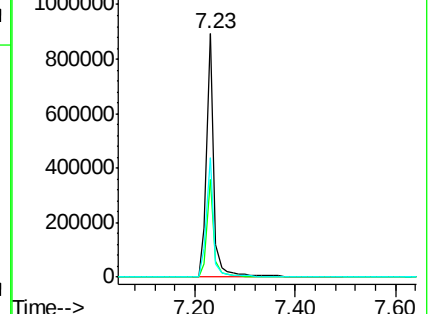
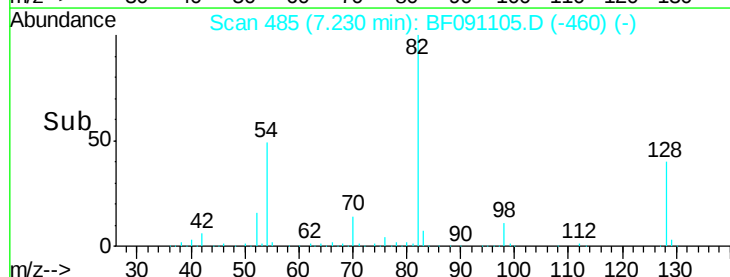
54 49.2 39.2 58.8

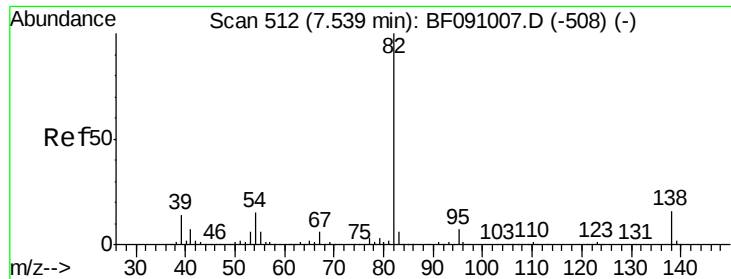


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 30.02 ng

RT: 7.23 min Scan# 485

Delta R.T. -0.26 min

Lab File: BF091105.D

Acq: 9 Nov 2016 2:48

Instrument :

BNA_F

ClientSampleId :

WEST-SIDEWALL

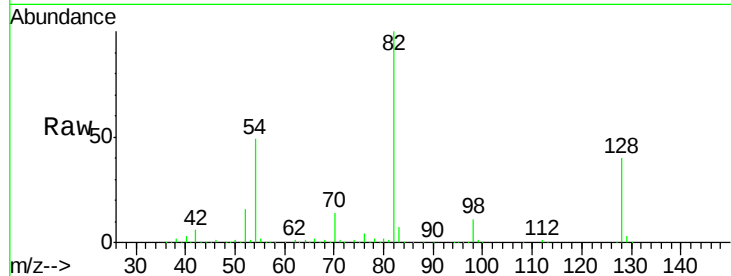
Tgt Ion: 82 Resp: 780647

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.0#

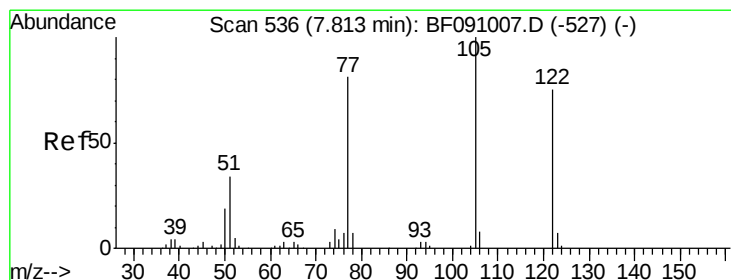
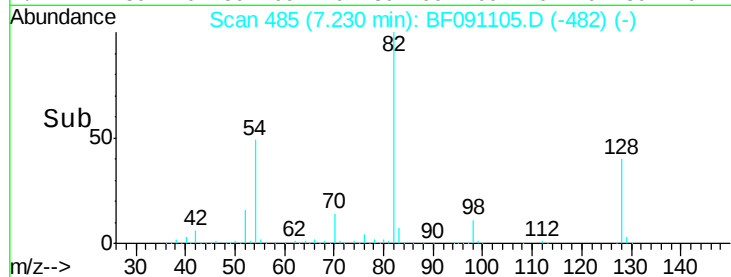
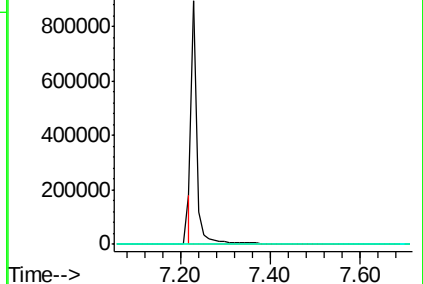
138 0.0 13.0 19.4#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0



#32

Benzoic acid

Concen: 5.10 ng

RT: 7.95 min Scan# 548

Delta R.T. 0.17 min

Lab File: BF091105.D

Acq: 9 Nov 2016 2:48

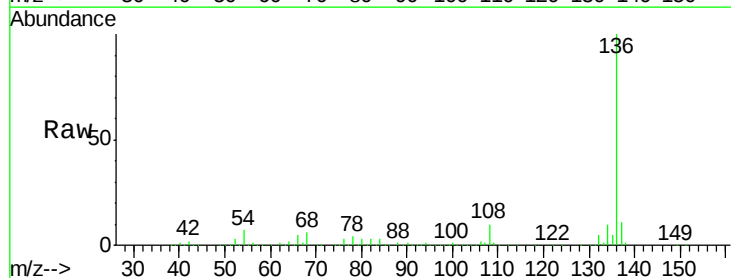
Tgt Ion: 122 Resp: 241

Ion Ratio Lower Upper

122 100

105 225.4 105.9 145.9#

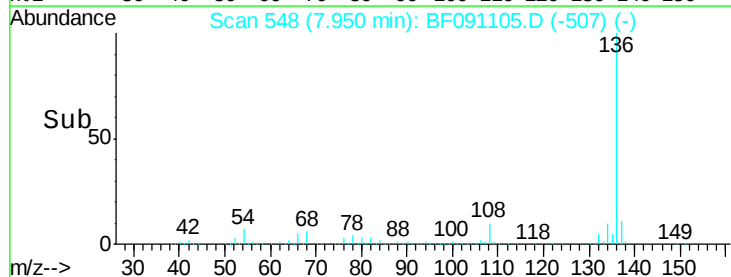
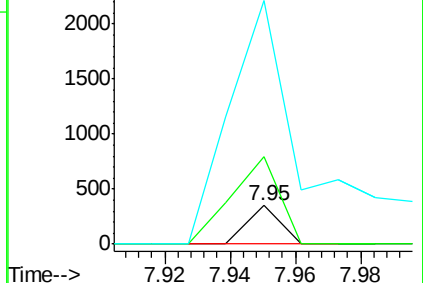
77 630.2 84.0 124.0#

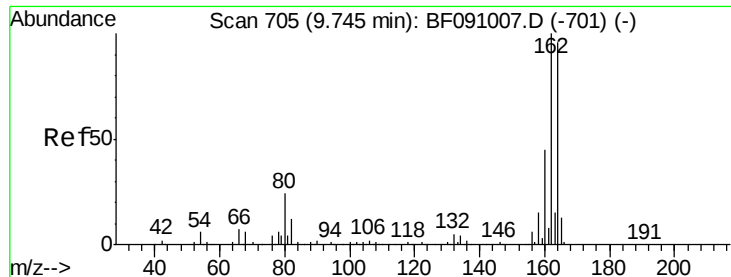


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.70 min Scan# 701

Delta R.T. -0.00 min

Lab File: BF091105.D

Acq: 9 Nov 2016 2:48

Instrument :

BNA_F

ClientSampleId :

WEST-SIDEWALL

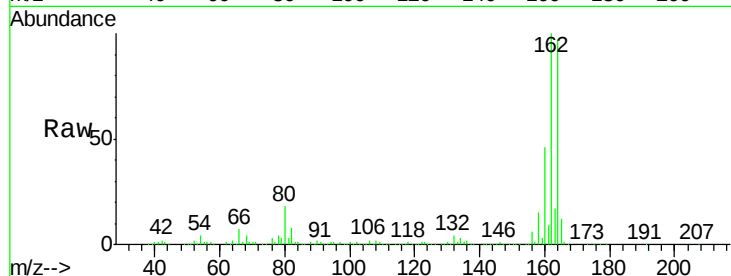
Tgt Ion:164 Resp: 368108

Ion Ratio Lower Upper

164 100

162 103.2 83.6 125.4

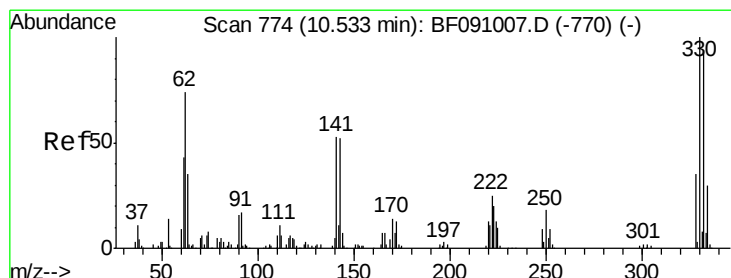
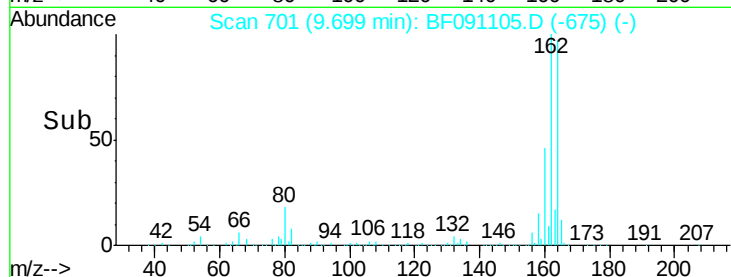
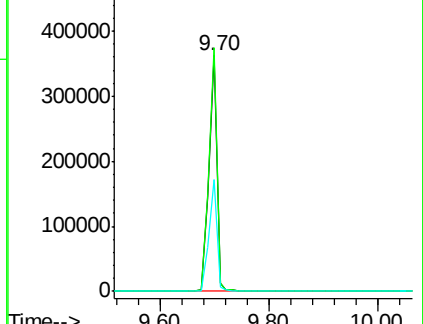
160 47.4 37.9 56.9



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: 92.38 ng

RT: 10.49 min Scan# 770

Delta R.T. -0.00 min

Lab File: BF091105.D

Acq: 9 Nov 2016 2:48

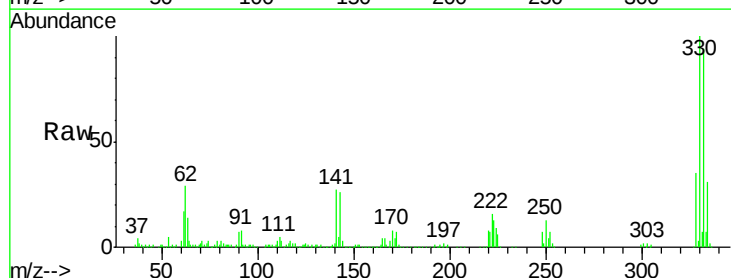
Tgt Ion:330 Resp: 307439

Ion Ratio Lower Upper

330 100

332 94.5 75.9 113.9

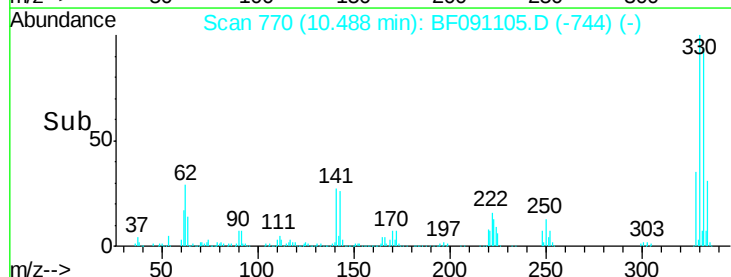
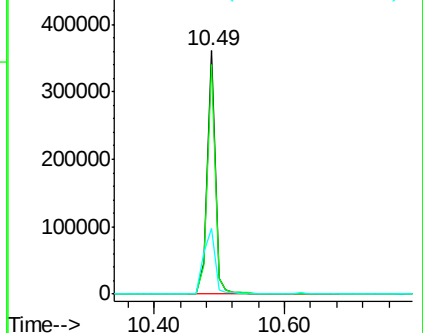
141 38.4 36.1 54.1

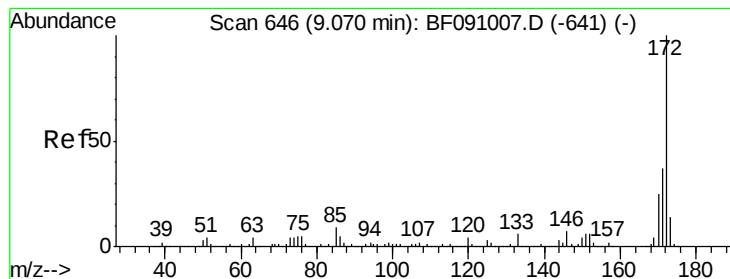


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

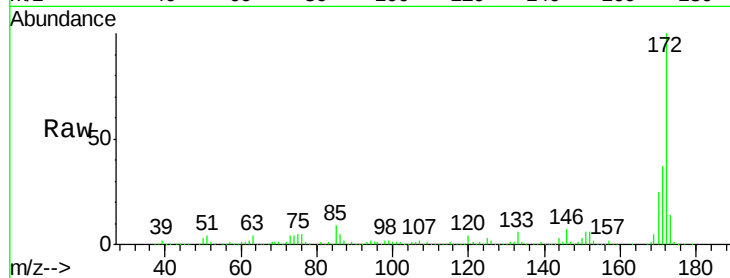




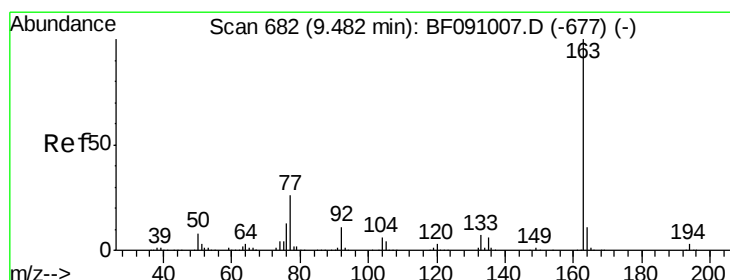
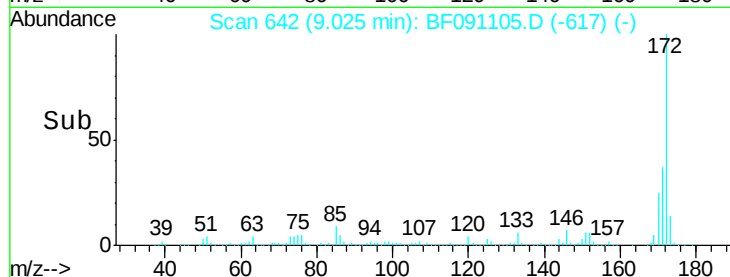
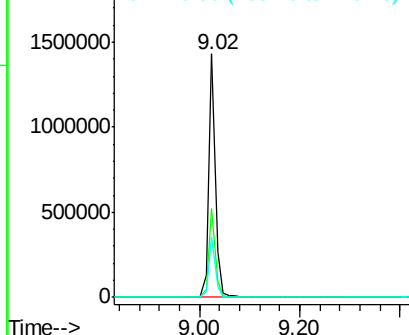
#44
 2-Fluorobiphenyl
 Concen: 61.27 ng
 RT: 9.02 min Scan# 642
 Delta R.T. -0.01 min
 Lab File: BF091105.D
 Acq: 9 Nov 2016 2:48

Instrument :
 BNA_F
 ClientSampleId :
 WEST-SIDEWALL

Tgt Ion:172 Resp: 1310047
 Ion Ratio Lower Upper
 172 100
 171 36.6 29.8 44.6
 170 24.9 20.3 30.5

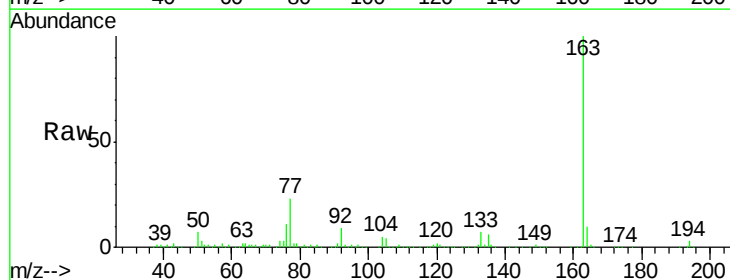


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

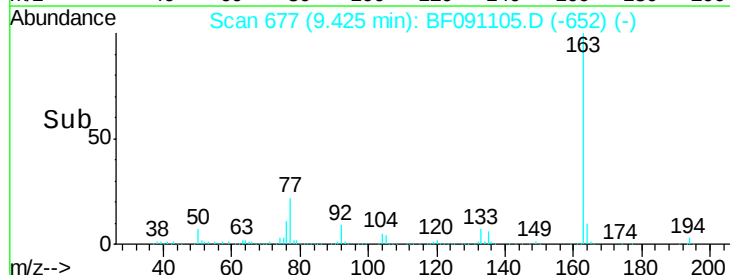
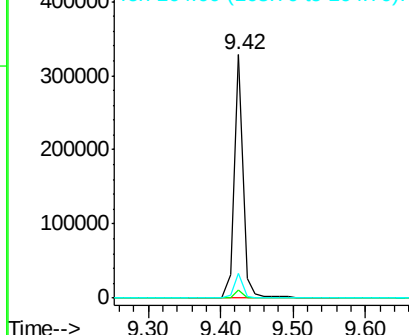


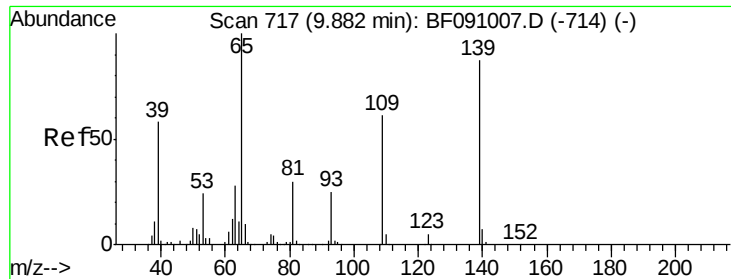
#49
 Dimethylphthalate
 Concen: 11.44 ng
 RT: 9.42 min Scan# 677
 Delta R.T. -0.01 min
 Lab File: BF091105.D
 Acq: 9 Nov 2016 2:48

Tgt Ion:163 Resp: 276020
 Ion Ratio Lower Upper
 163 100
 194 3.1 2.6 4.0
 164 10.0 8.7 13.1



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

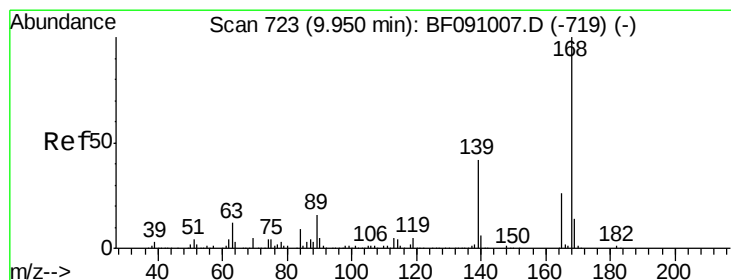
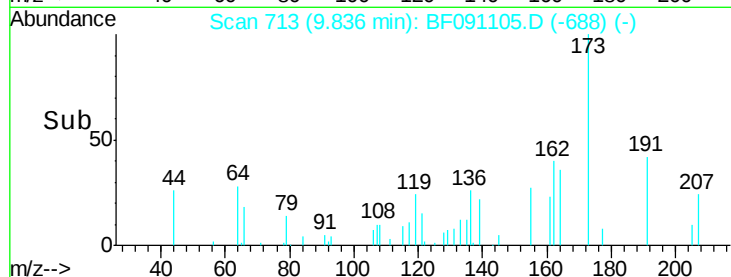
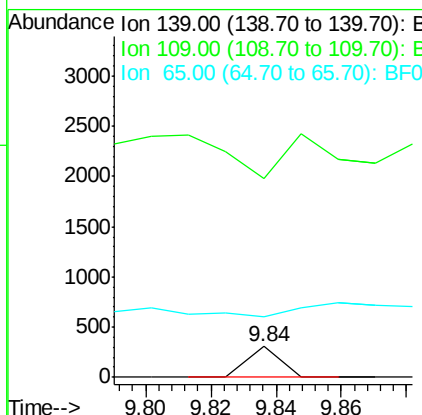
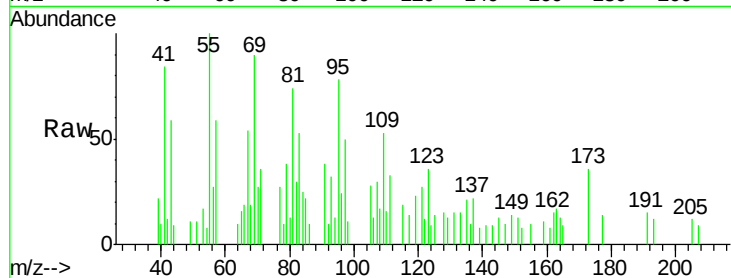




#55
4-Nitrophenol
Concen: 5.78 ng
RT: 9.84 min Scan# 713
Delta R.T. -0.01 min
Lab File: BF091105.D
Acq: 9 Nov 2016 2:48

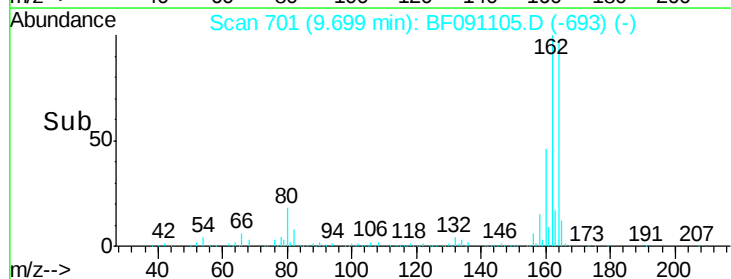
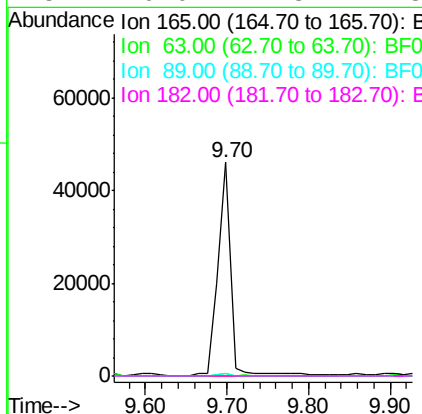
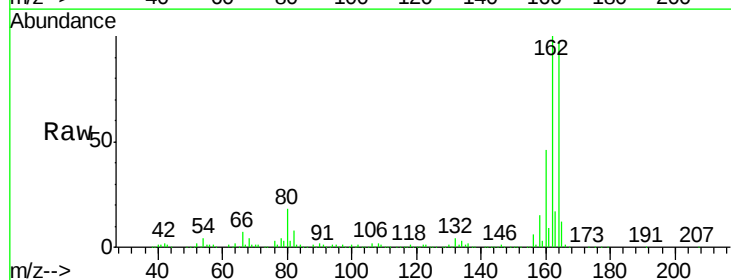
Instrument :
BNA_F
ClientSampleId :
WEST-SIDEWALL

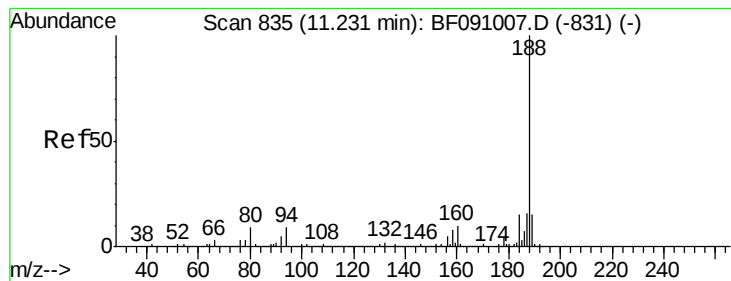
Tgt Ion:139 Resp: 210
Ion Ratio Lower Upper
139 100
109 645.4 50.5 90.5#
65 198.7 97.1 137.1#



#56
2,4-Dinitrotoluene
Concen: 7.75 ng
RT: 9.70 min Scan# 701
Delta R.T. -0.21 min
Lab File: BF091105.D
Acq: 9 Nov 2016 2:48

Tgt Ion:165 Resp: 51025
Ion Ratio Lower Upper
165 100
63 0.9 38.7 58.1#
89 1.2 50.6 76.0#
182 0.0 1.8 2.8#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.17 min Scan# 830

Delta R.T. -0.00 min

Lab File: BF091105.D

Acq: 9 Nov 2016 2:48

Instrument :

BNA_F

ClientSampleId :

WEST-SIDEWALL

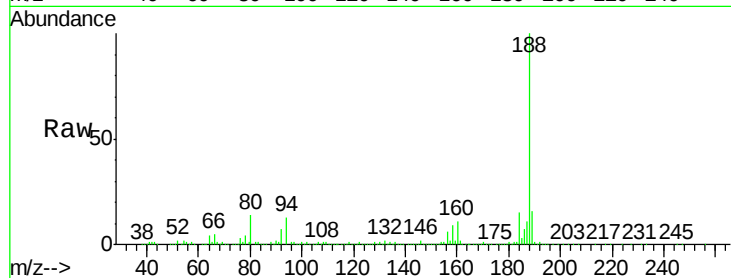
Tgt Ion:188 Resp: 527729

Ion Ratio Lower Upper

188 100

94 12.6 7.0 10.4#

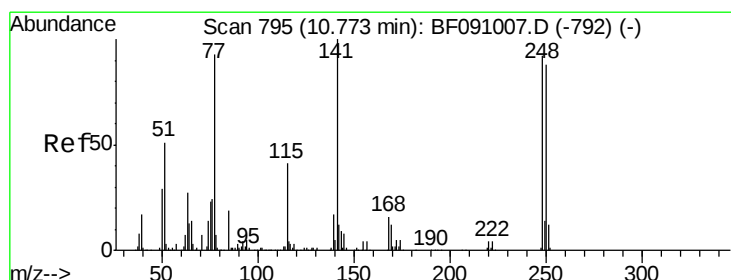
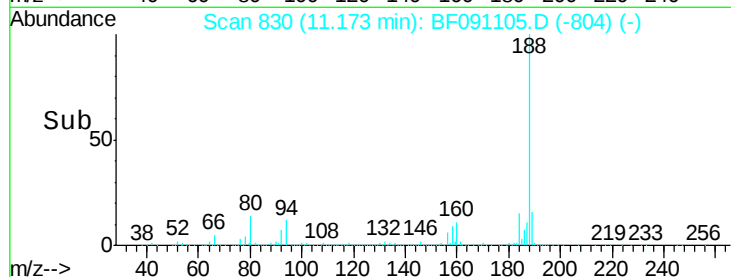
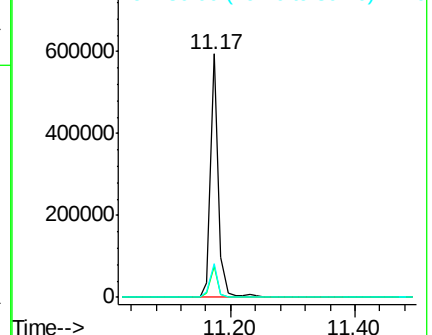
80 14.0 7.5 11.3#



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



#66

4-Bromophenyl-phenylether

Concen: 3.95 ng

RT: 10.49 min Scan# 770

Delta R.T. -0.24 min

Lab File: BF091105.D

Acq: 9 Nov 2016 2:48

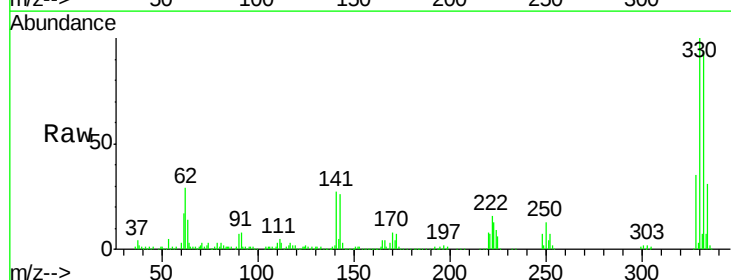
Tgt Ion:248 Resp: 21663

Ion Ratio Lower Upper

248 100

250 195.1 76.3 114.5#

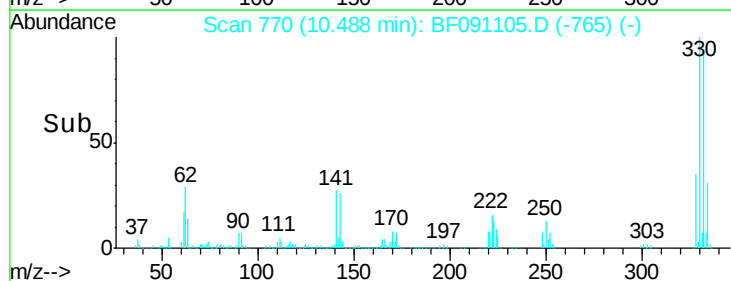
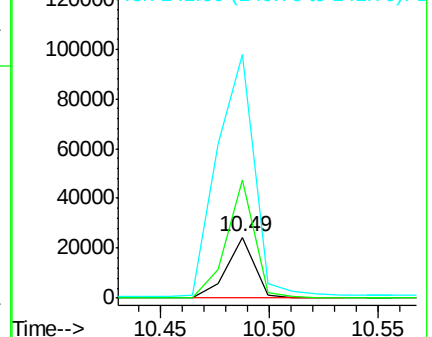
141 401.8 86.8 130.2#

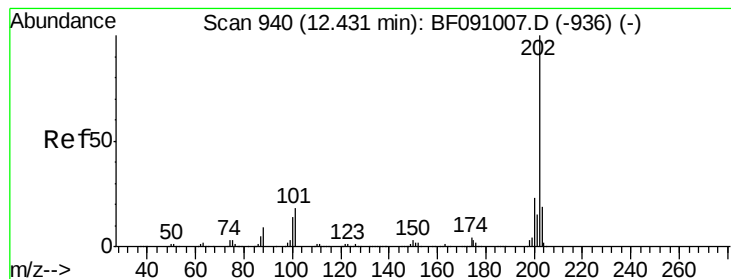


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#74

Fluoranthene

Concen: 3.19 ng

RT: 12.38 min Scan# 936

Delta R.T. -0.00 min

Lab File: BF091105.D

Acq: 9 Nov 2016 2:48

Instrument :

BNA_F

ClientSampleId :

WEST-SIDEWALL

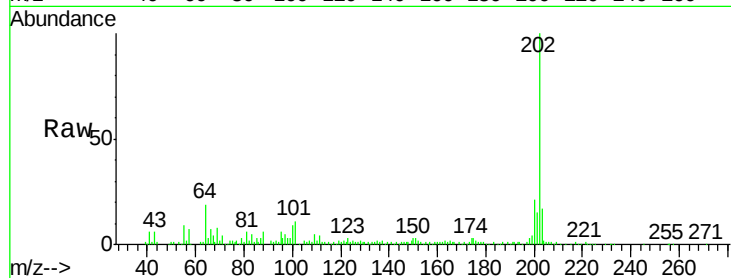
Tgt Ion:202 Resp: 92758

Ion Ratio Lower Upper

202 100

101 11.4 0.0 37.6

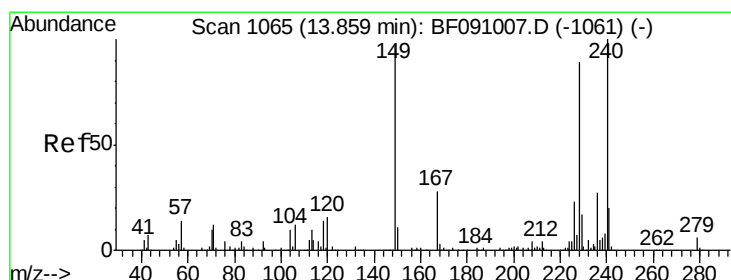
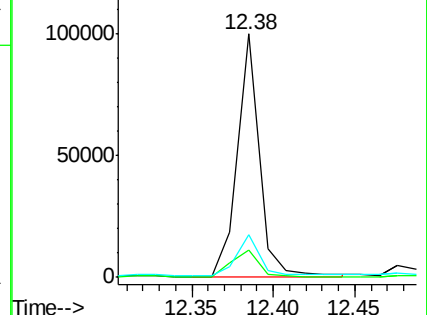
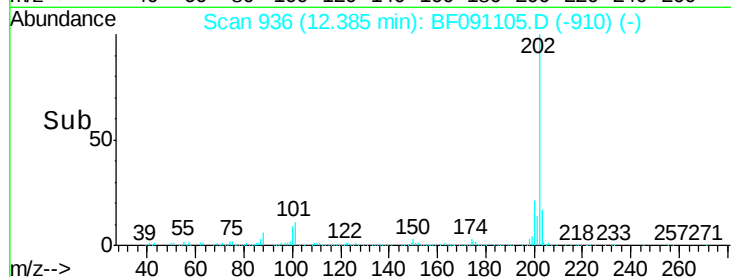
203 17.5 0.0 38.6



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: 13.80 min Scan# 1060

Delta R.T. -0.01 min

Lab File: BF091105.D

Acq: 9 Nov 2016 2:48

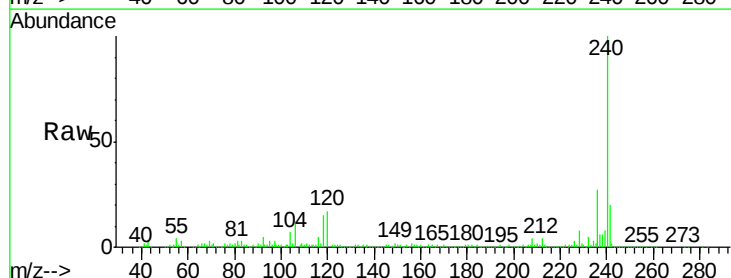
Tgt Ion:240 Resp: 358759

Ion Ratio Lower Upper

240 100

120 17.3 12.9 19.3

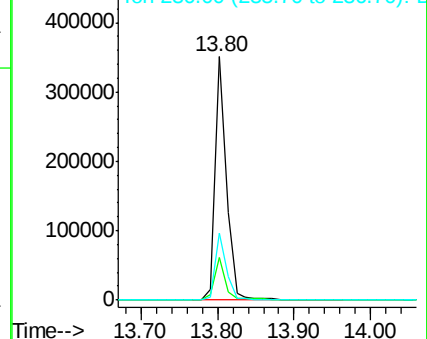
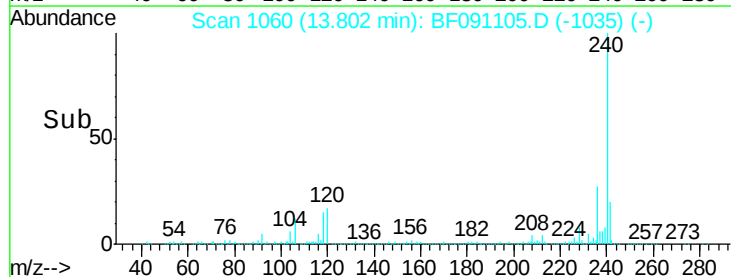
236 27.4 21.9 32.9

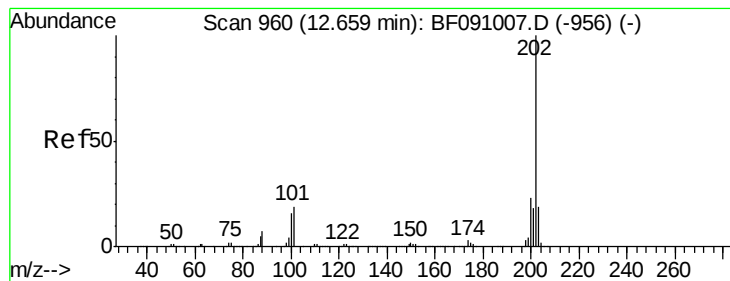


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 3.61 ng

RT: 12.61 min Scan# 956

Delta R.T. -0.00 min

Lab File: BF091105.D

Acq: 9 Nov 2016 2:48

Instrument :

BNA_F

ClientSampleId :

WEST-SIDEWALL

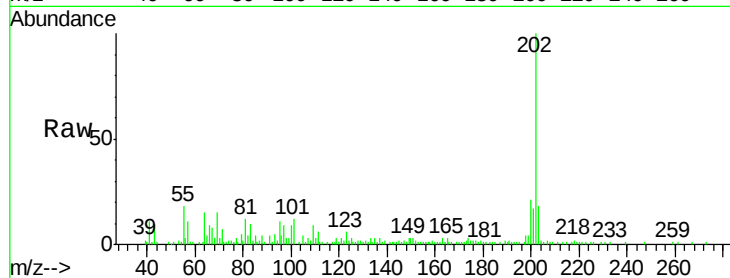
Tgt Ion:202 Resp: 84828

Ion Ratio Lower Upper

202 100

200 21.1 18.4 27.6

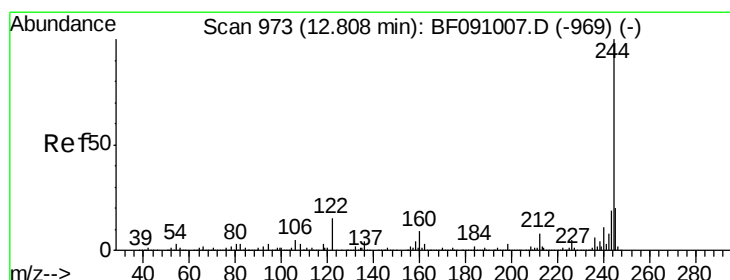
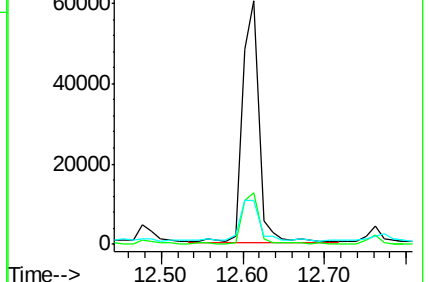
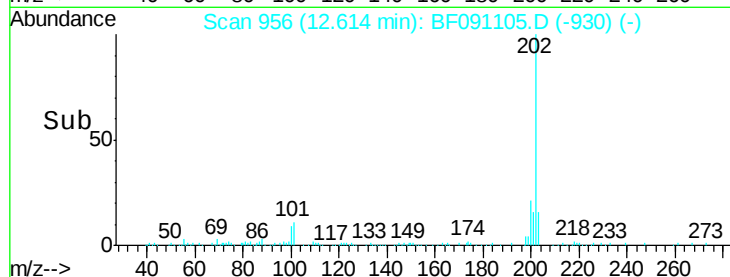
203 18.0 15.0 22.6



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: 76.61 ng

RT: 12.76 min Scan# 969

Delta R.T. -0.00 min

Lab File: BF091105.D

Acq: 9 Nov 2016 2:48

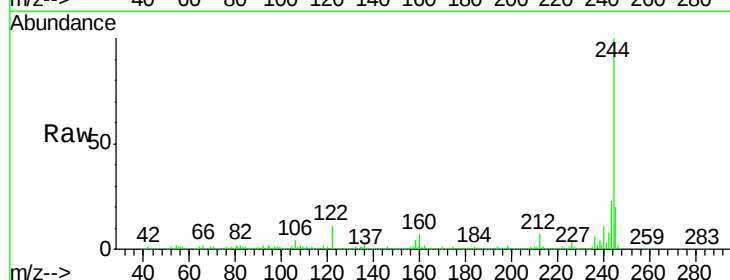
Tgt Ion:244 Resp: 1101348

Ion Ratio Lower Upper

244 100

212 7.4 6.4 9.6

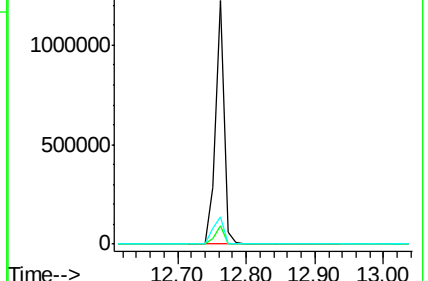
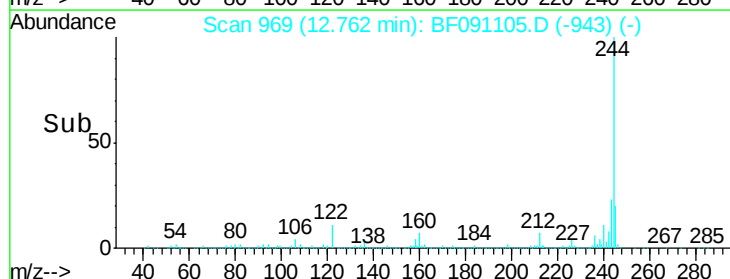
122 11.4 12.3 18.5#

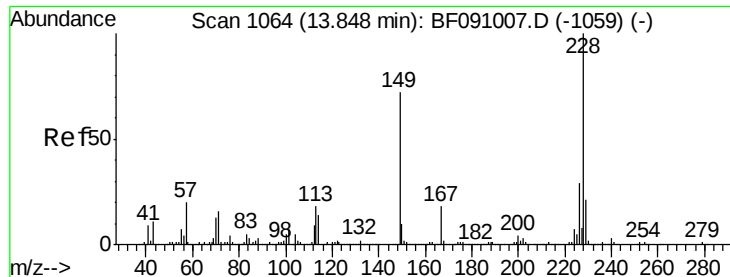


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 2.57 ng

RT: 13.79 min Scan# 1059

Delta R.T. -0.01 min

Lab File: BF091105.D

Acq: 9 Nov 2016 2:48

Instrument :

BNA_F

ClientSampleId :

WEST-SIDEWALL

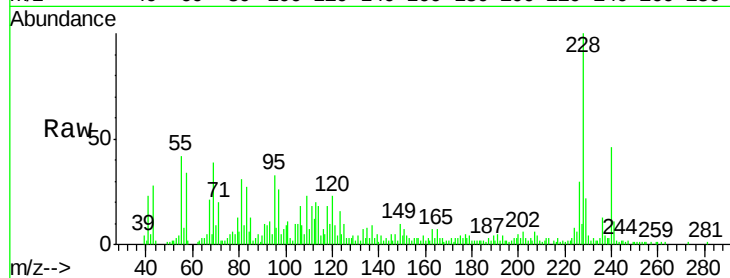
Tgt Ion:228 Resp: 52394

Ion Ratio Lower Upper

228 100

226 29.7 23.0 34.6

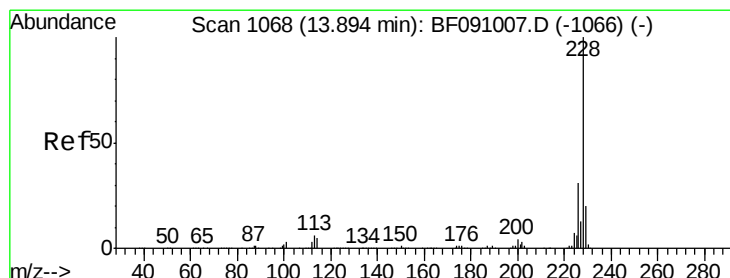
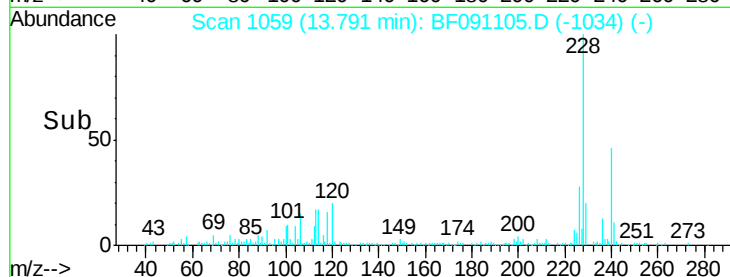
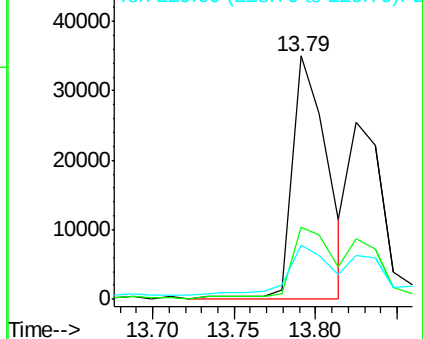
229 22.2 16.6 24.8



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: 2.61 ng

RT: 13.79 min Scan# 1059

Delta R.T. -0.05 min

Lab File: BF091105.D

Acq: 9 Nov 2016 2:48

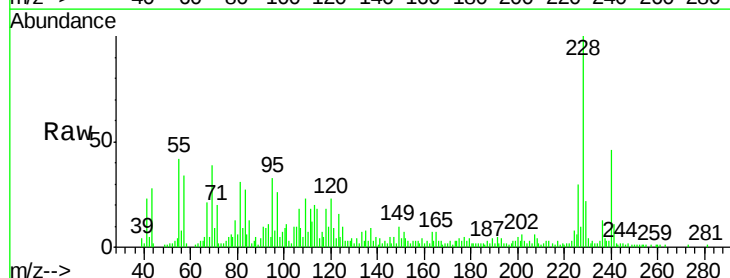
Tgt Ion:228 Resp: 52394

Ion Ratio Lower Upper

228 100

226 29.7 24.9 37.3

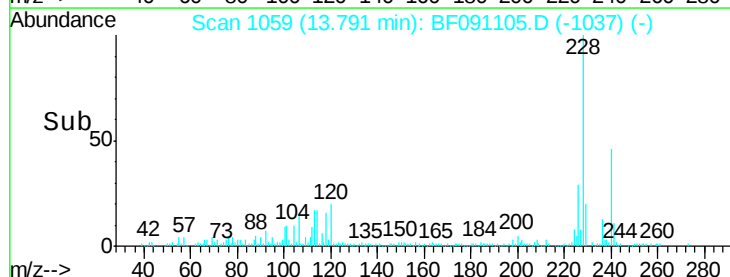
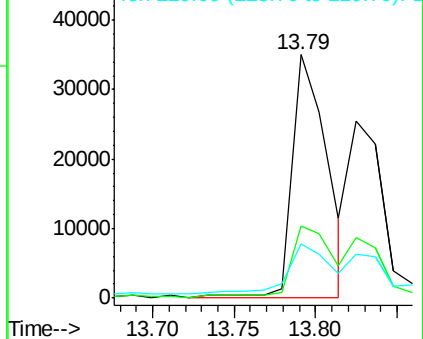
229 22.2 15.9 23.9

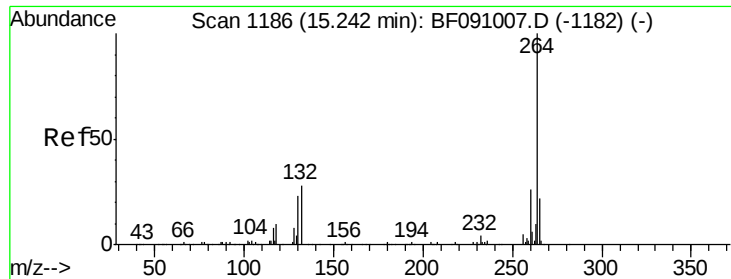


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

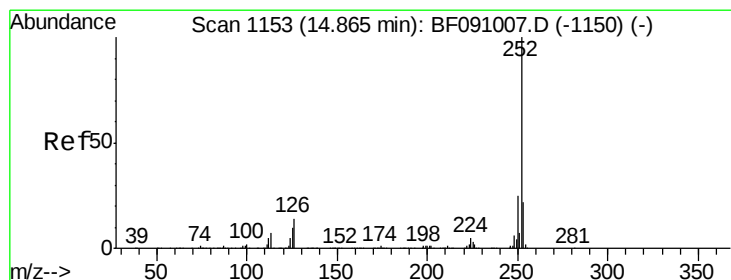
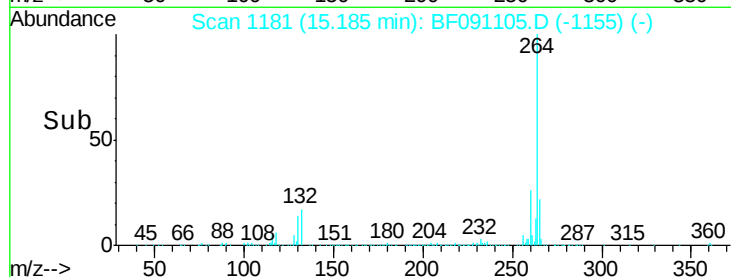
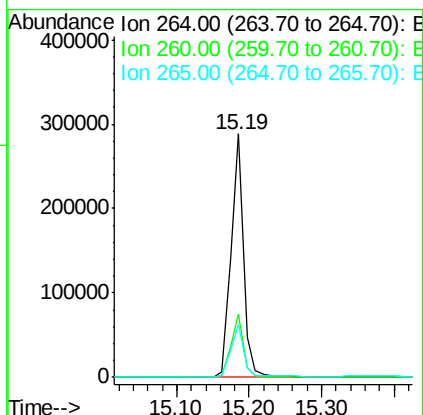
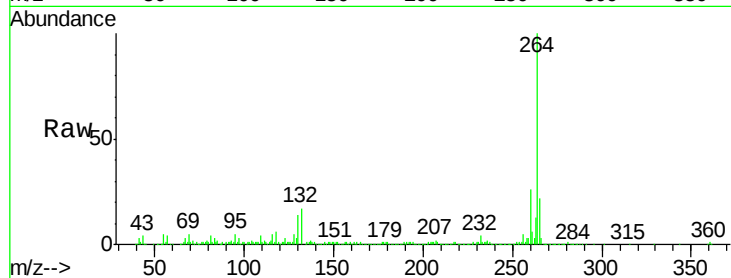




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.19 min Scan# 1181
Delta R.T. -0.00 min
Lab File: BF091105.D
Acq: 9 Nov 2016 2:48

Instrument :
BNA_F
ClientSampleId :
WEST-SIDEWALL

Tgt Ion:264 Resp: 346921
Ion Ratio Lower Upper
264 100
260 25.8 20.6 30.8
265 21.9 17.8 26.8



#87
Benzo(b)fluoranthene
Concen: 3.16 ng
RT: 14.81 min Scan# 1148
Delta R.T. -0.00 min
Lab File: BF091105.D
Acq: 9 Nov 2016 2:48

Tgt Ion:252 Resp: 74416
Ion Ratio Lower Upper
252 100
253 24.0 18.0 27.0
125 22.8 8.3 12.5#

