

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120216\
 Data File : BF091406.D
 Acq On : 2 Dec 2016 23:06
 Operator : UM/SJ
 Sample : H5829-03
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WESTWALL-120116

Quant Time: Dec 02 23:29:40 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 29 13:33:46 2016
 Response via : Initial Calibration

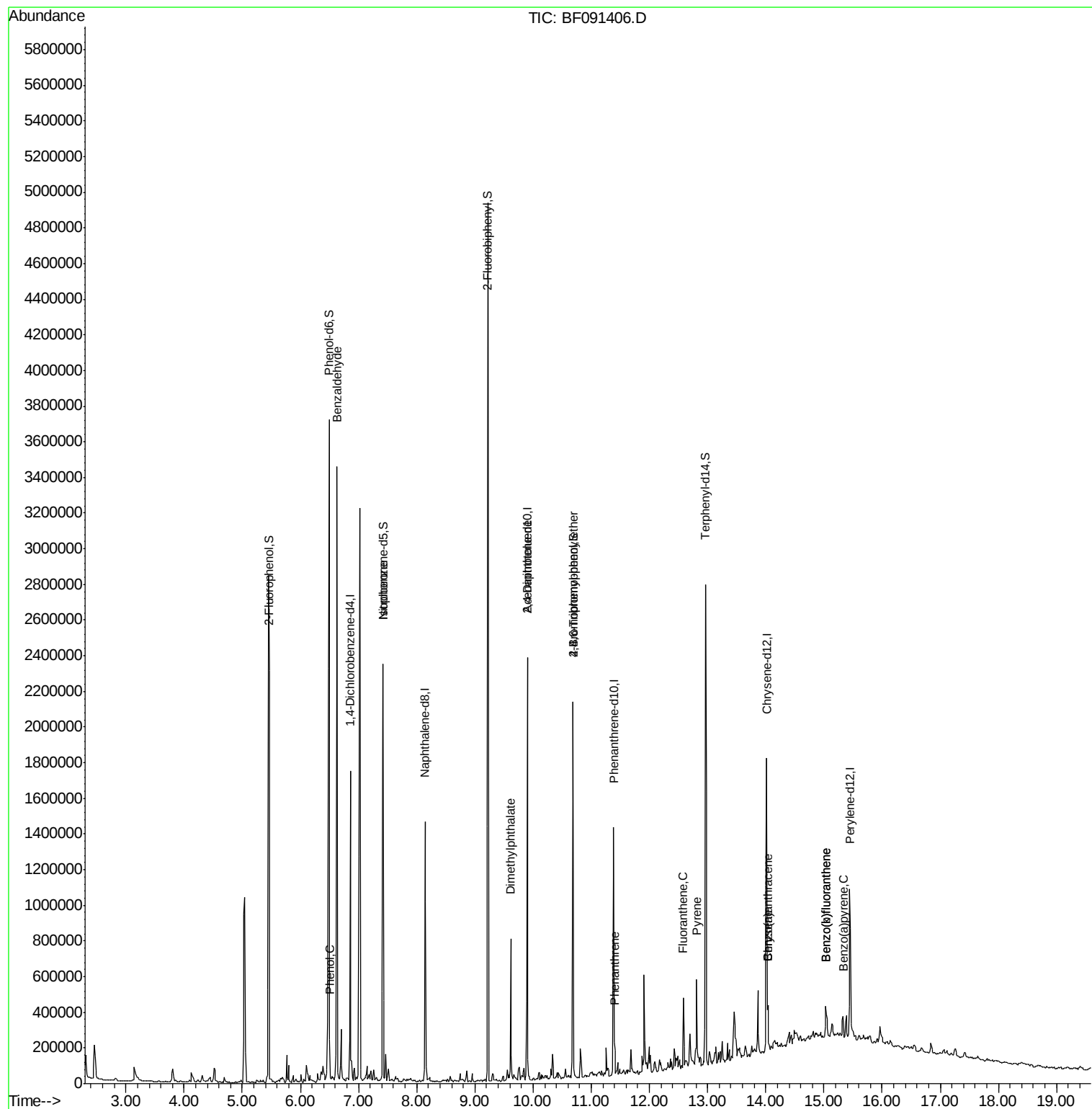
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	222473	20.00	ng	-0.02
21) Naphthalene-d8	8.14	136	809885	20.00	ng	-0.03
38) Acenaphthene-d10	9.90	164	486490	20.00	ng	-0.02
63) Phenanthrene-d10	11.38	188	722892	20.00	ng	-0.02
75) Chrysene-d12	14.01	240	539876	20.00	ng	-0.03
86) Perylene-d12	15.44	264	463974	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	1014761	74.51	ng	0.00
7) Phenol-d6	6.49	99	1388071	82.80	ng	0.00
23) Nitrobenzene-d5	7.42	82	712649	49.31	ng	-0.03
41) 2,4,6-Tribromophenol	10.69	330	336414	73.04	ng	-0.02
44) 2-Fluorobiphenyl	9.22	172	1479182	55.05	ng	-0.02
78) Terphenyl-d14	12.96	244	1057490	42.57	ng	-0.03
Target Compounds						Qvalue
9) Benzaldehyde	6.63	77	26442	2.45	ng	91
10) Phenol	6.50	94	66394	3.37	ng	78
25) Isophorone	7.42	82	605023	23.63	ng	# 67
49) Dimethylphthalate	9.61	163	267913	9.10	ng	97
56) 2,4-Dinitrotoluene	9.90	165	64231	7.52	ng	# 34
66) 4-Bromophenyl-phenylether	10.69	248	22677	2.92	ng	# 1
70) Phenanthrene	11.41	178	90781	2.42	ng	98
74) Fluoranthene	12.59	202	152837	4.30	ng	98
77) Pyrene	12.81	202	193555	4.72	ng	98
80) Benzo(a)anthracene	14.04	228	104464	3.31	ng	96
82) Chrysene	14.04	228	104454	3.34	ng	95
87) Benzo(b)fluoranthene	15.03	252	134049	4.65	ng	97
88) Benzo(k)fluoranthene	15.03	252	134049	5.53	ng	96
89) Benzo(a)pyrene	15.33	252	61820	2.39	ng	96

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.86 min Scan# 400

Delta R.T. -0.02 min

Lab File: BF091406.D

Acq: 2 Dec 2016 23:06

Instrument :

BNA_F

ClientSampleId :

WESTWALL-120116

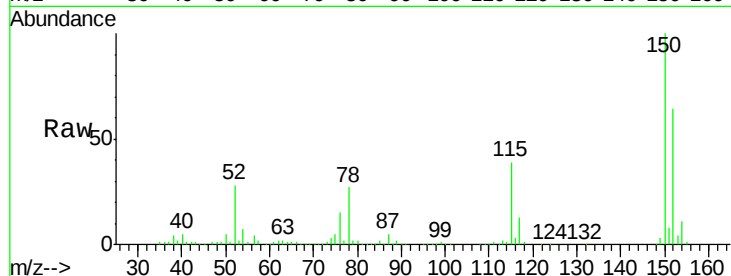
Tgt Ion:152 Resp: 222473

Ion Ratio Lower Upper

152 100

150 155.7 122.5 183.7

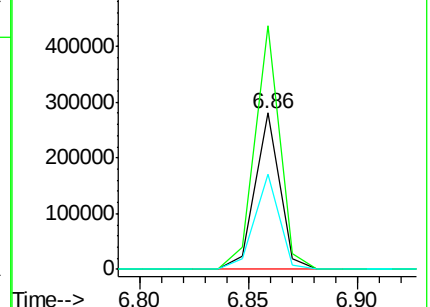
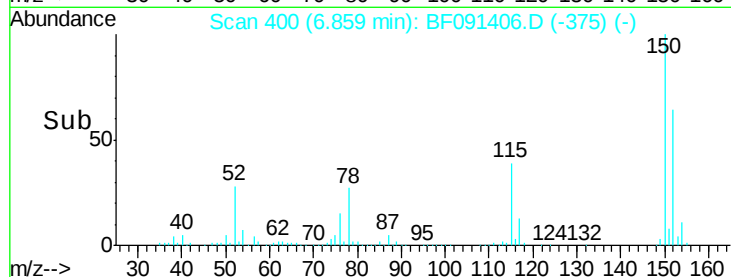
115 61.2 51.8 77.8



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: 74.51 ng

RT: 5.46 min Scan# 278

Delta R.T. -0.00 min

Lab File: BF091406.D

Acq: 2 Dec 2016 23:06

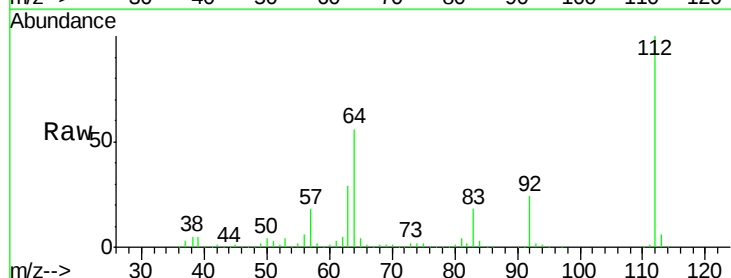
Tgt Ion:112 Resp: 1014761

Ion Ratio Lower Upper

112 100

64 55.5 61.5 92.3#

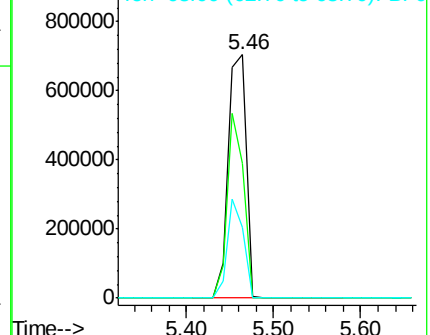
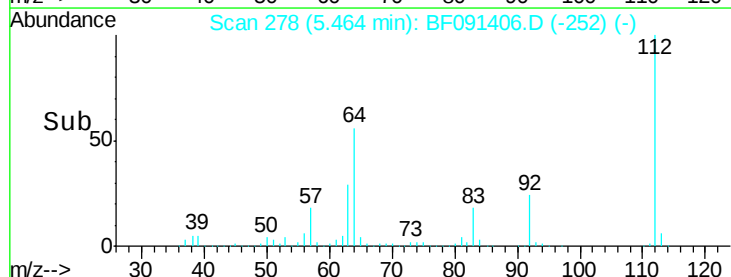
63 29.2 33.3 49.9#

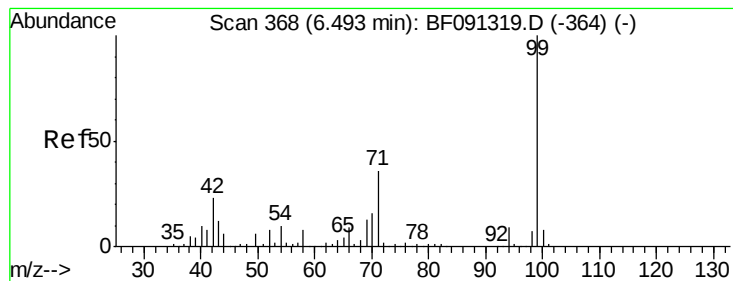


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 82.80 ng

RT: 6.49 min Scan# 368

Delta R.T. -0.01 min

Lab File: BF091406.D

Acq: 2 Dec 2016 23:06

Instrument :

BNA_F

ClientSampleId :

WESTWALL-120116

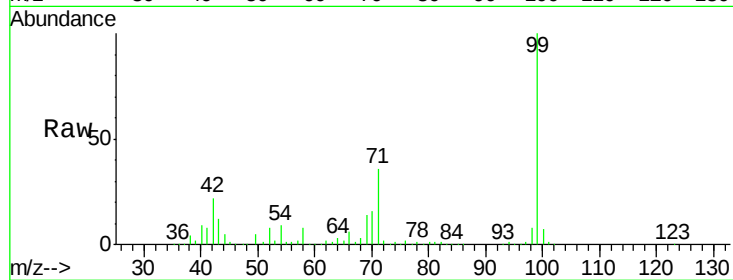
Tgt Ion: 99 Resp: 1388071

Ion Ratio Lower Upper

99 100

42 21.8 20.6 31.0

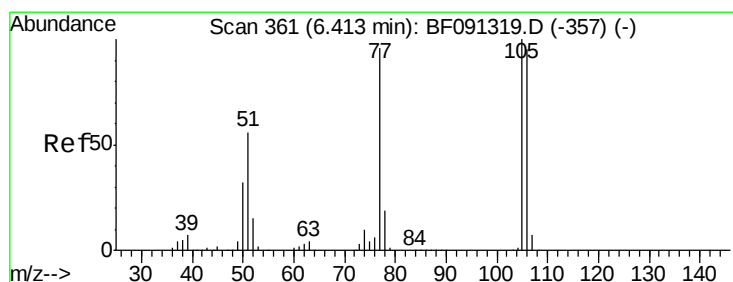
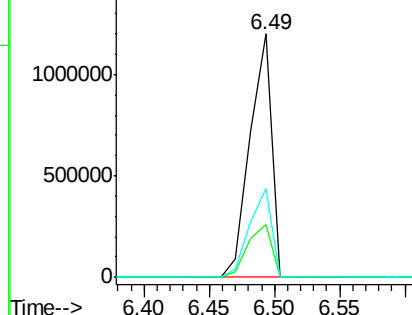
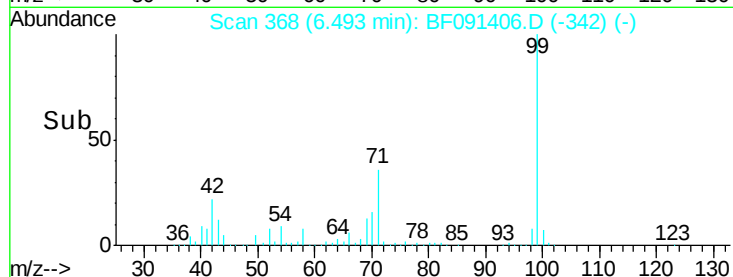
71 36.3 29.9 44.9



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: 2.45 ng

RT: 6.63 min Scan# 380

Delta R.T. 0.21 min

Lab File: BF091406.D

Acq: 2 Dec 2016 23:06

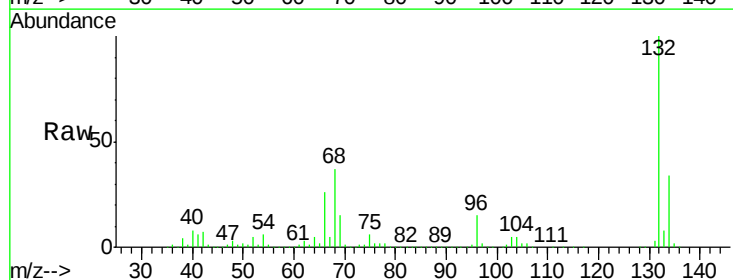
Tgt Ion: 77 Resp: 26442

Ion Ratio Lower Upper

77 100

105 79.8 66.4 106.4

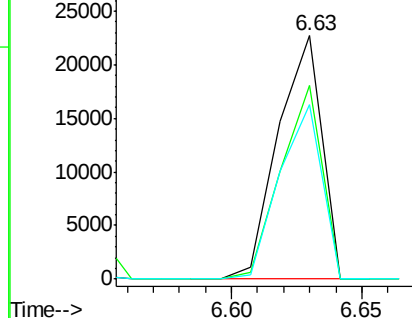
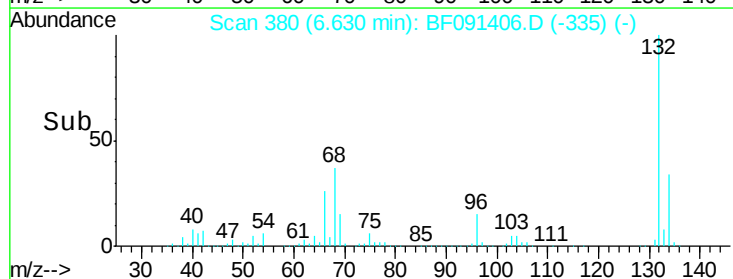
106 71.9 60.9 100.9

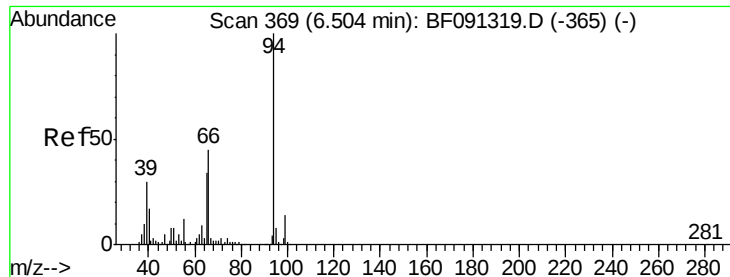


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B





#10

Phenol

Concen: 3.37 ng

RT: 6.50 min Scan# 369

Delta R.T. -0.02 min

Lab File: BF091406.D

Acq: 2 Dec 2016 23:06

Instrument :

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WESTWALL-120116

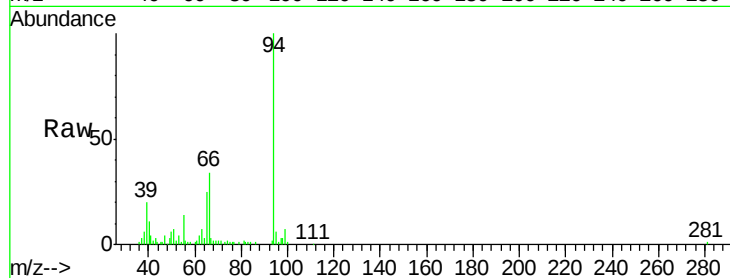
Tgt Ion: 94 Resp: 66394

Ion Ratio Lower Upper

94 100

65 25.4 16.9 56.9

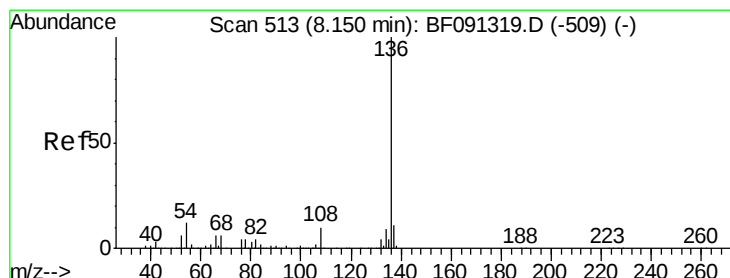
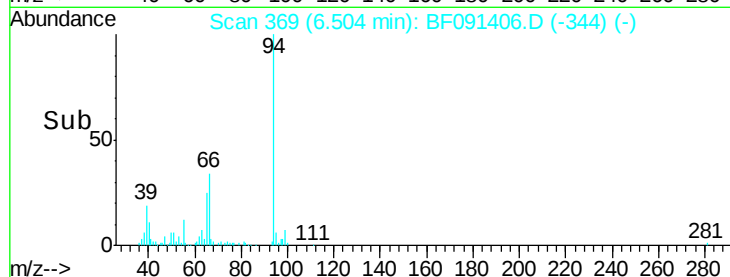
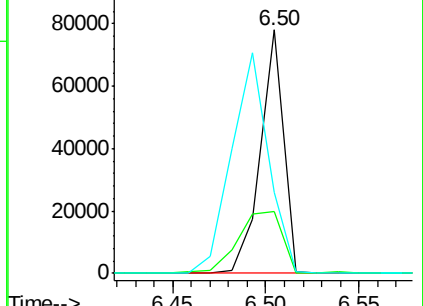
66 33.6 30.6 70.6



Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.14 min Scan# 512

Delta R.T. -0.03 min

Lab File: BF091406.D

Acq: 2 Dec 2016 23:06

Tgt Ion: 136 Resp: 809885

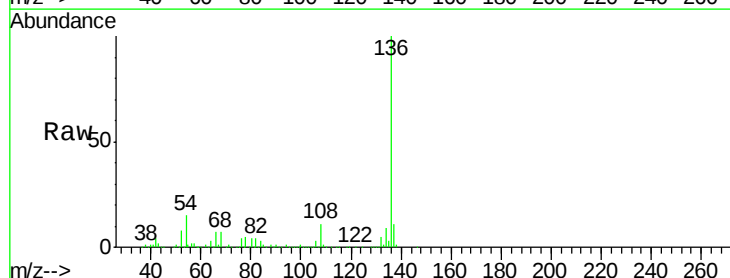
Ion Ratio Lower Upper

136 100

137 11.3 9.1 13.7

54 14.9 9.1 13.7#

68 6.9 5.9 8.9

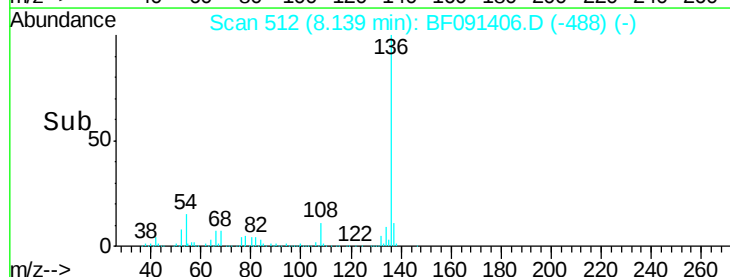
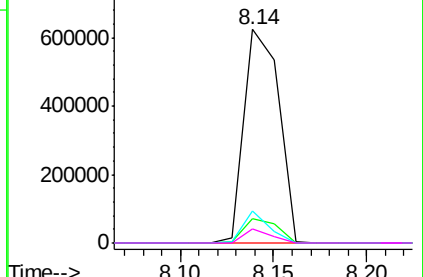


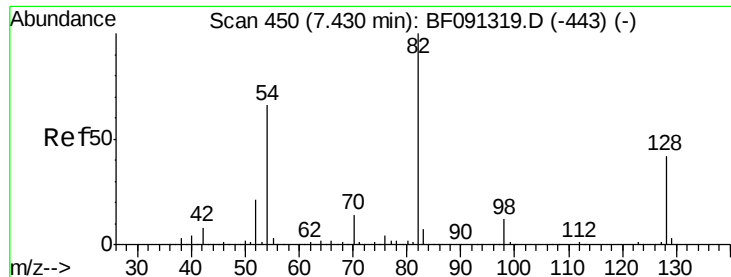
Abundance Ion 136.00 (135.70 to 136.70): E

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

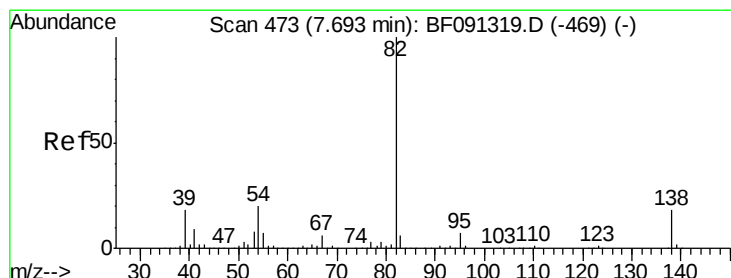
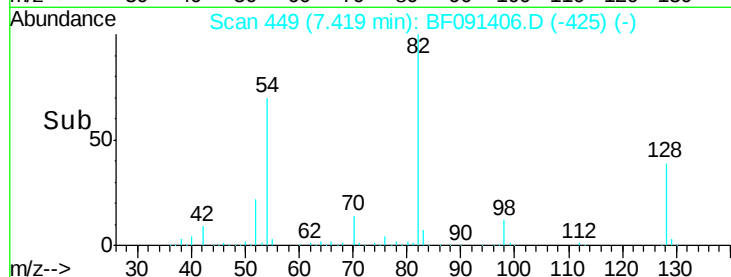
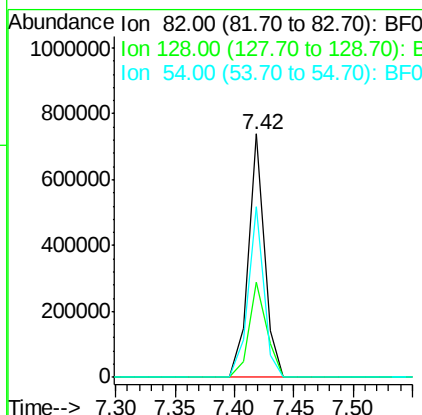
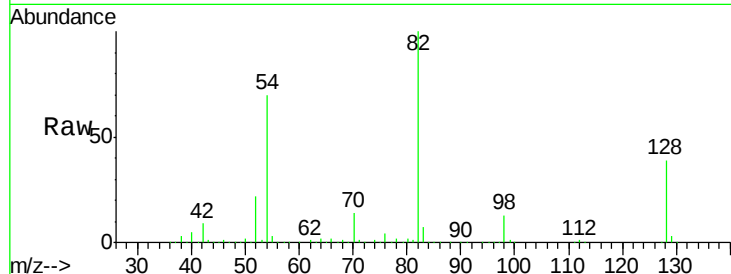




#23
 Nitrobenzene-d5
 Concen: 49.31 ng
 RT: 7.42 min Scan# 449
 Delta R.T. -0.03 min
 Lab File: BF091406.D
 Acq: 2 Dec 2016 23:06

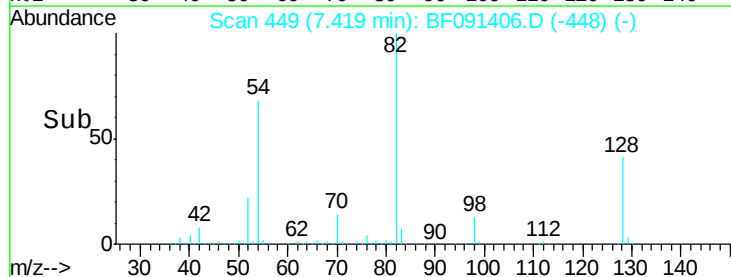
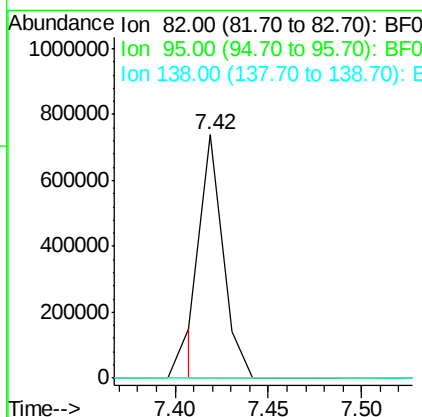
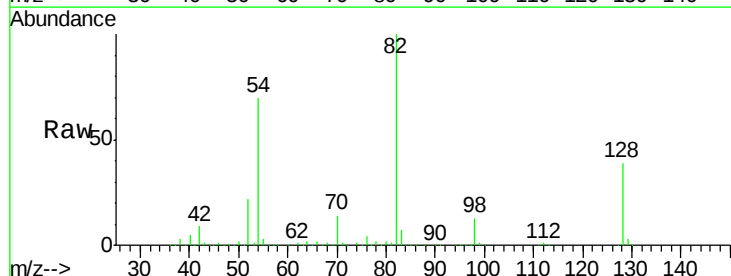
Instrument :
 BNA_F
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 WESTWALL-120116

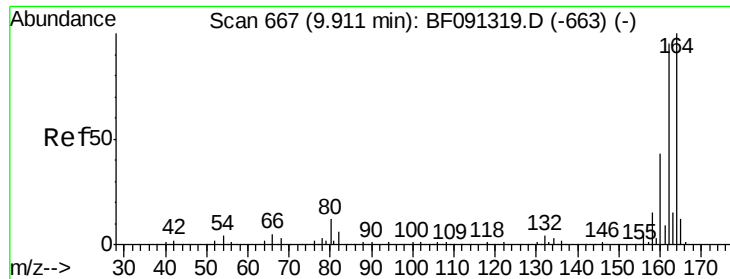
Tgt Ion	Ratio	Lower	Upper
82	100		
128	39.2	31.8	47.6
54	69.9	49.1	73.7



#25
 Isophorone
 Concen: 23.63 ng
 RT: 7.42 min Scan# 449
 Delta R.T. -0.29 min
 Lab File: BF091406.D
 Acq: 2 Dec 2016 23:06

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.1	5.7	8.5#
138	0.0	13.4	20.0#

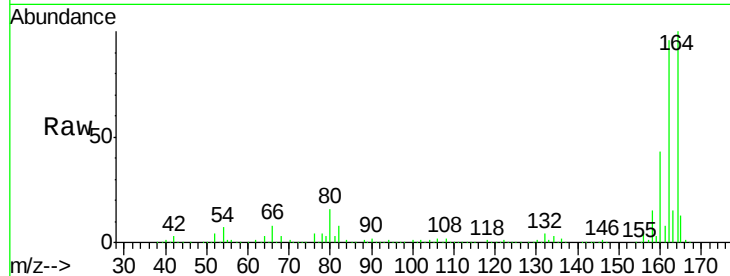




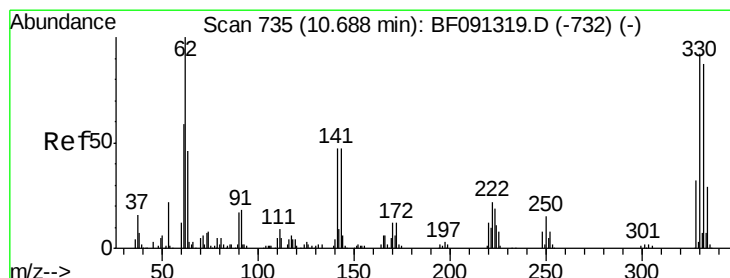
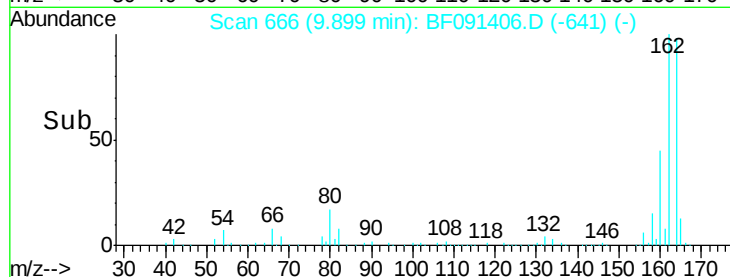
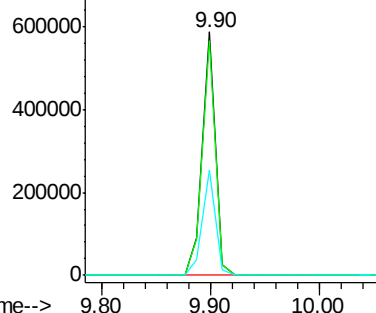
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.90 min Scan# 666
 Delta R.T. -0.02 min
 Lab File: BF091406.D
 Acq: 2 Dec 2016 23:06

Instrument :
 BNA_F
 ClientSampleId :
 WESTWALL-120116

Tgt Ion:164 Resp: 486490
 Ion Ratio Lower Upper
 164 100
 162 96.5 82.6 124.0
 160 43.0 36.7 55.1

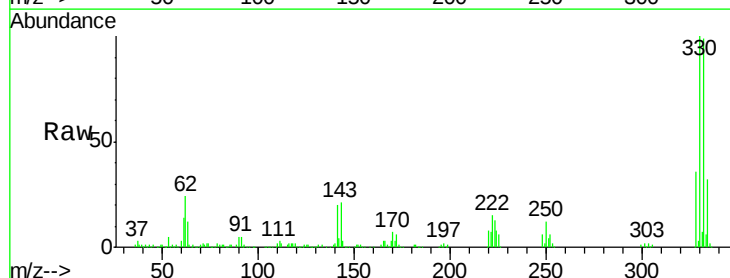


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

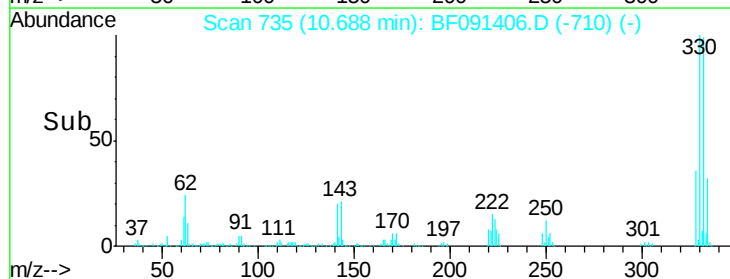
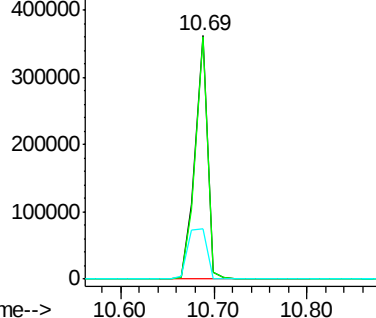


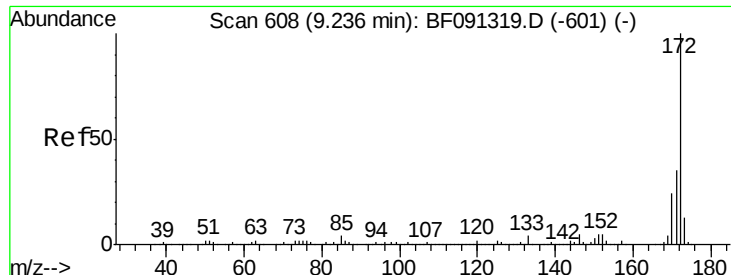
#41
 2,4,6-Tribromophenol
 Concen: 73.04 ng
 RT: 10.69 min Scan# 735
 Delta R.T. -0.02 min
 Lab File: BF091406.D
 Acq: 2 Dec 2016 23:06

Tgt Ion:330 Resp: 336414
 Ion Ratio Lower Upper
 330 100
 332 97.9 76.2 114.4
 141 31.5 33.6 50.4#



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

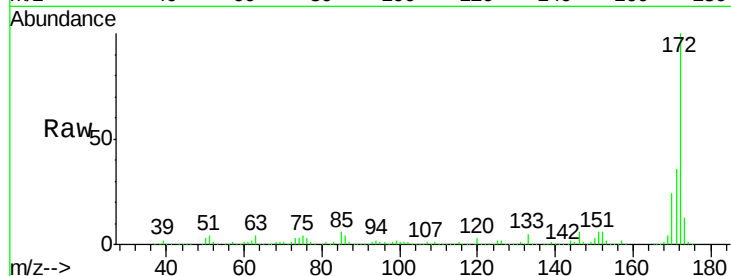




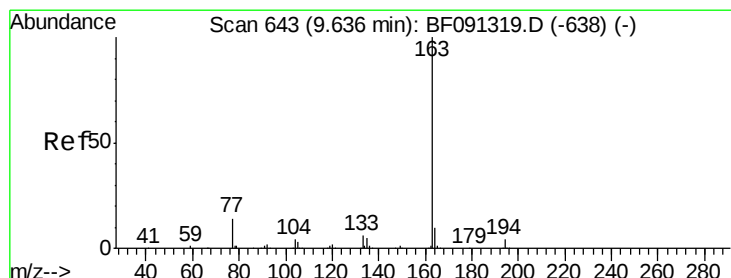
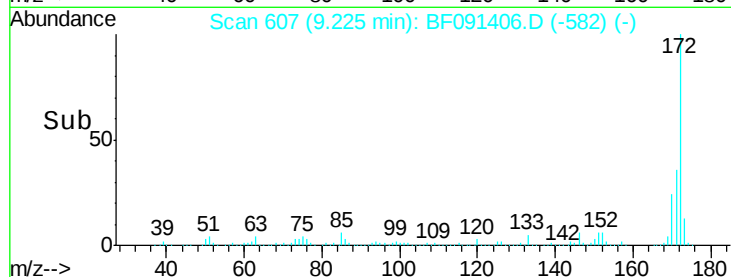
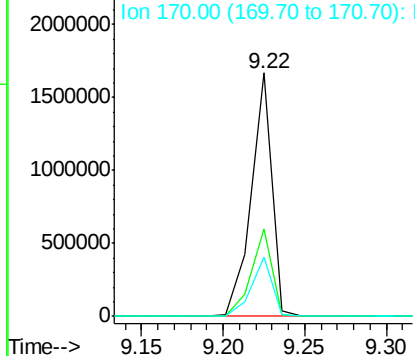
#44
2-Fluorobiphenyl
Concen: 55.05 ng
RT: 9.22 min Scan# 607
Delta R.T. -0.02 min
Lab File: BF091406.D
Acq: 2 Dec 2016 23:06

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion:172 Resp: 1479182
Ion Ratio Lower Upper
172 100
171 36.2 29.4 44.0
170 24.4 19.7 29.5

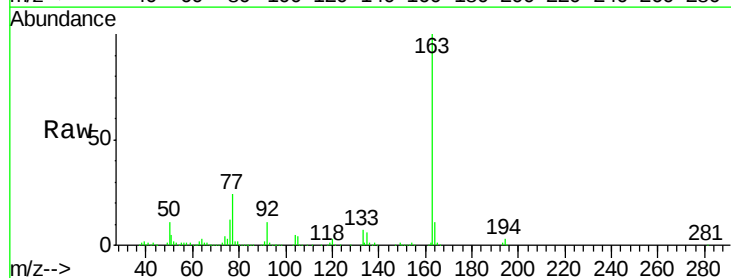


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

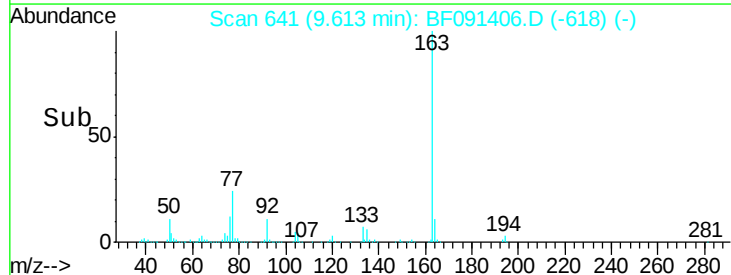
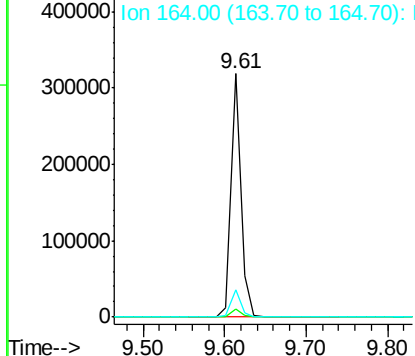


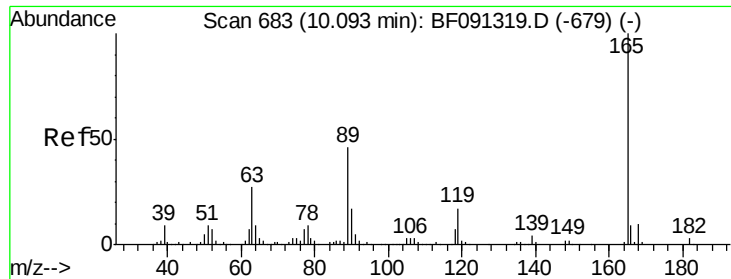
#49
Dimethylphthalate
Concen: 9.10 ng
RT: 9.61 min Scan# 641
Delta R.T. -0.04 min
Lab File: BF091406.D
Acq: 2 Dec 2016 23:06

Tgt Ion:163 Resp: 267913
Ion Ratio Lower Upper
163 100
194 3.3 3.0 4.4
164 11.0 7.8 11.8



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

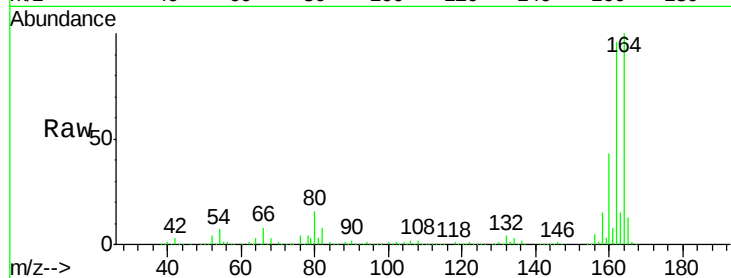




#56
 2,4-Dinitrotoluene
 Concen: 7.52 ng
 RT: 9.90 min Scan# 666
 Delta R.T. -0.20 min
 Lab File: BF091406.D
 Acq: 2 Dec 2016 23:06

Instrument :
 BNA_F
 ClientSampleId :
 WESTWALL-120116

Tgt Ion:	165	Resp:	64231
Ion	Ratio	Lower	Upper
165	100		
63	1.3	29.0	43.4#
89	1.0	43.1	64.7#
182	0.0	1.9	2.9#

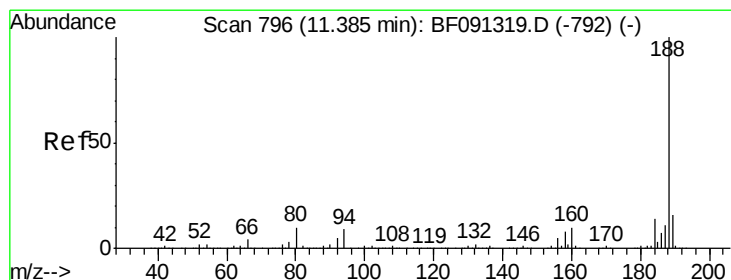
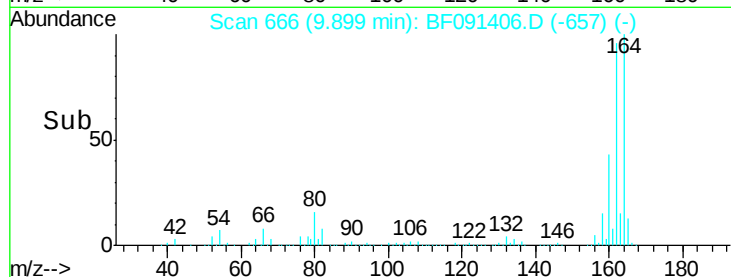
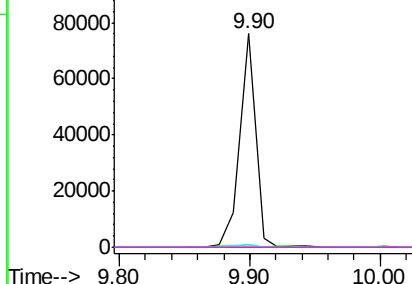


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

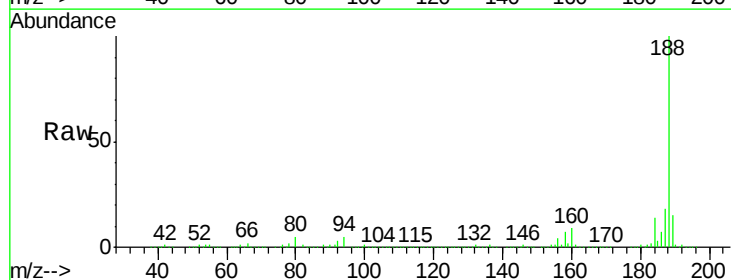
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.38 min Scan# 796
 Delta R.T. -0.02 min
 Lab File: BF091406.D
 Acq: 2 Dec 2016 23:06

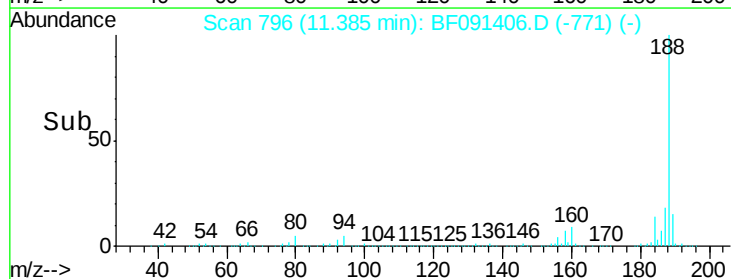
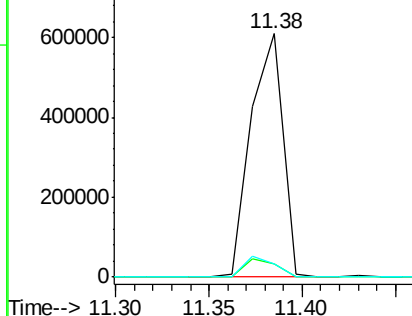
Tgt Ion:	188	Resp:	722892
Ion	Ratio	Lower	Upper
188	100		
94	5.3	9.2	13.8#
80	5.2	10.5	15.7#

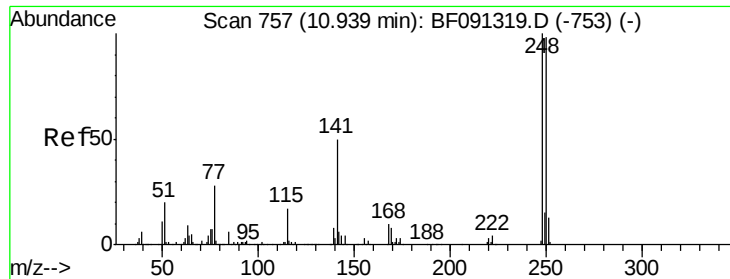


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

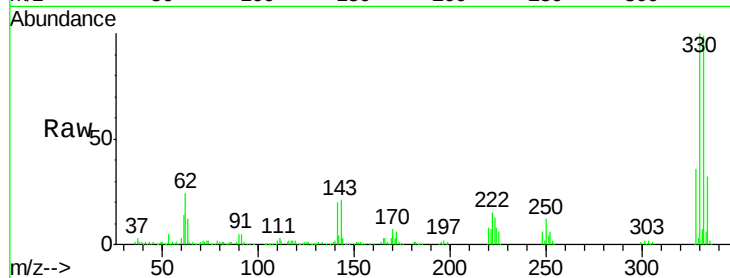




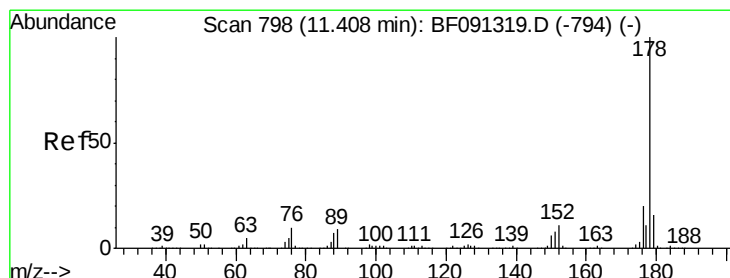
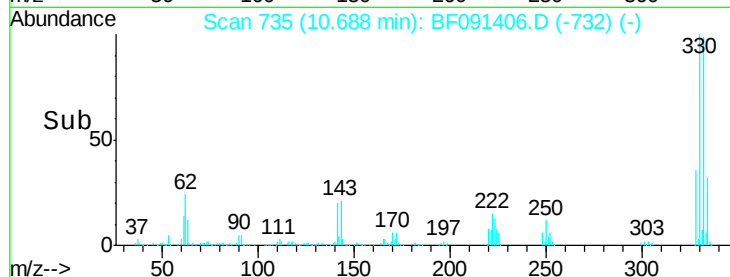
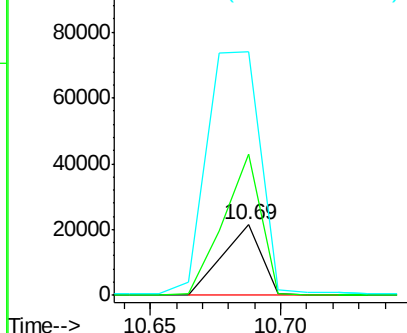
#66
4-Bromophenyl-phenylether
Concen: 2.92 ng
RT: 10.69 min Scan# 735
Delta R.T. -0.27 min
Lab File: BF091406.D
Acq: 2 Dec 2016 23:06

Instrument :
BNA_F
ClientSampleId :
WESTWALL-120116

Tgt Ion:248 Resp: 22677
Ion Ratio Lower Upper
248 100
250 199.4 78.2 117.4#
141 345.1 71.9 107.9#

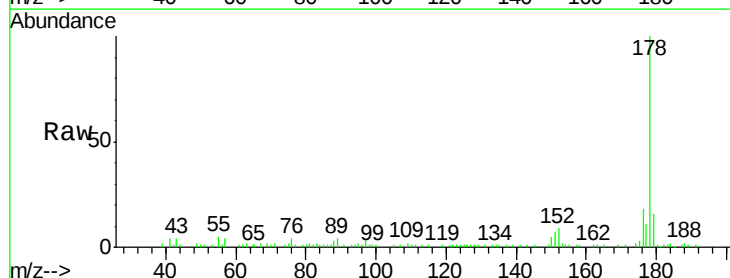


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

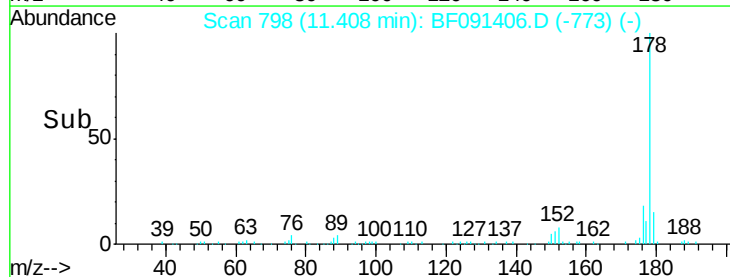
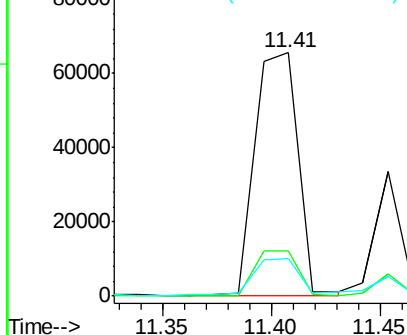


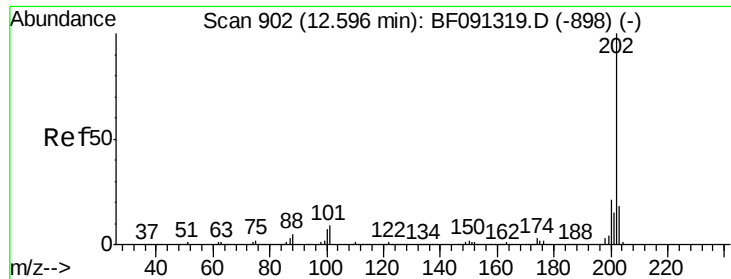
#70
Phenanthrene
Concen: 2.42 ng
RT: 11.41 min Scan# 798
Delta R.T. -0.02 min
Lab File: BF091406.D
Acq: 2 Dec 2016 23:06

Tgt Ion:178 Resp: 90781
Ion Ratio Lower Upper
178 100
176 18.3 15.9 23.9
179 15.5 12.6 18.8



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

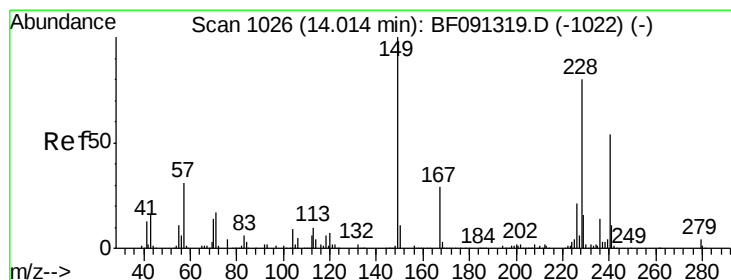
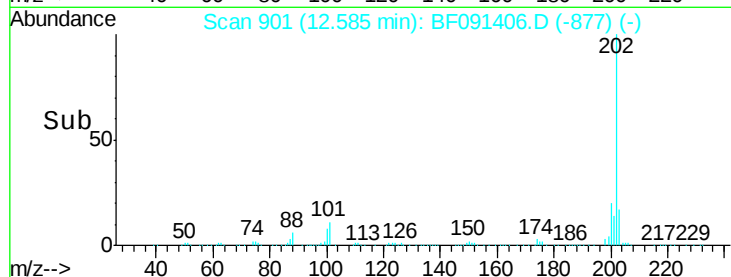
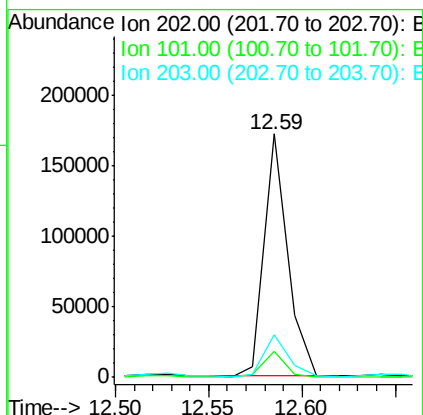
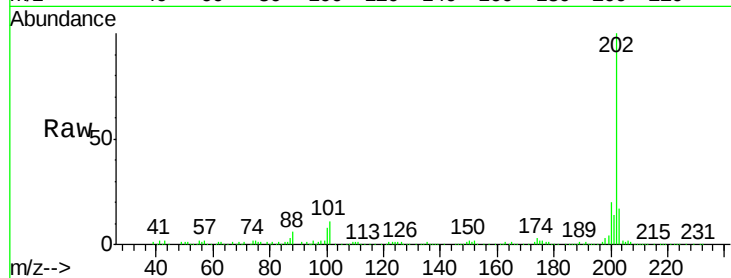




#74
Fluoranthene
Concen: 4.30 ng
RT: 12.59 min Scan# 901
Delta R.T. -0.03 min
Lab File: BF091406.D
Acq: 2 Dec 2016 23:06

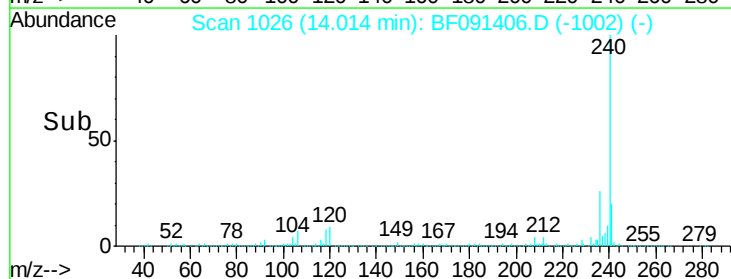
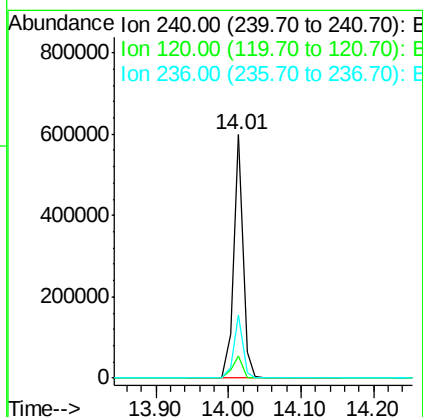
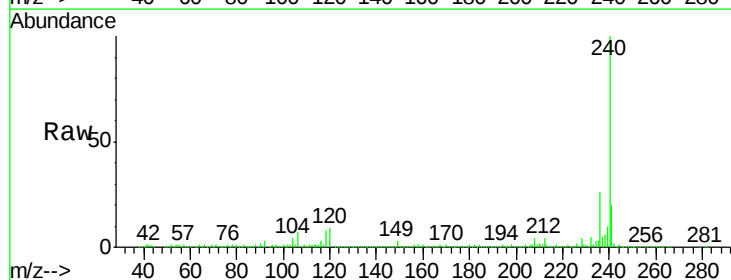
Instrument :
BNA_F
ClientSampleId :
WESTWALL-120116

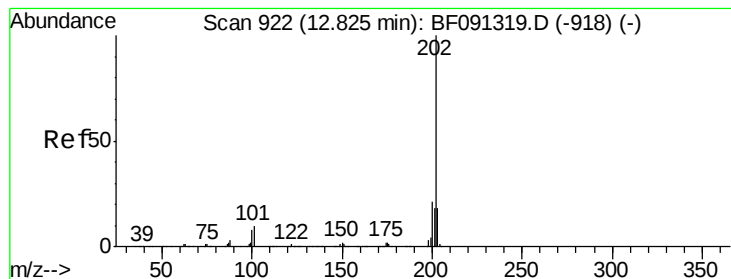
Tgt Ion: 202 Resp: 152837
Ion Ratio Lower Upper
202 100
101 10.7 0.0 29.5
203 17.3 0.0 37.8



#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.01 min Scan# 1026
Delta R.T. -0.03 min
Lab File: BF091406.D
Acq: 2 Dec 2016 23:06

Tgt Ion: 240 Resp: 539876
Ion Ratio Lower Upper
240 100
120 9.3 12.1 18.1#
236 26.1 21.0 31.6





#77

Pyrene

Concen: 4.72 ng

RT: 12.81 min Scan# 921

Delta R.T. -0.03 min

Lab File: BF091406.D

Acq: 2 Dec 2016 23:06

Instrument :

BNA_F

ClientSampleId :

WESTWALL-120116

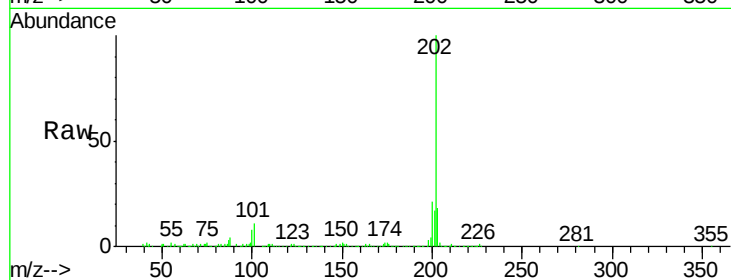
Tgt Ion:202 Resp: 193555

Ion Ratio Lower Upper

202 100

200 20.5 17.6 26.4

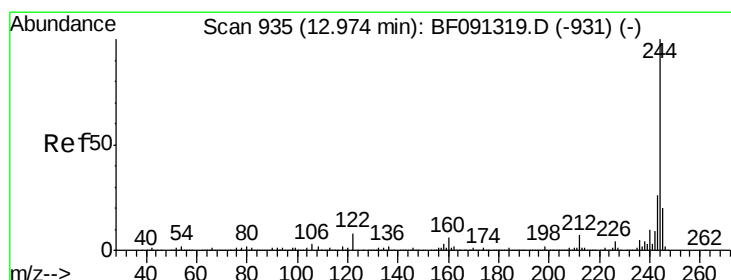
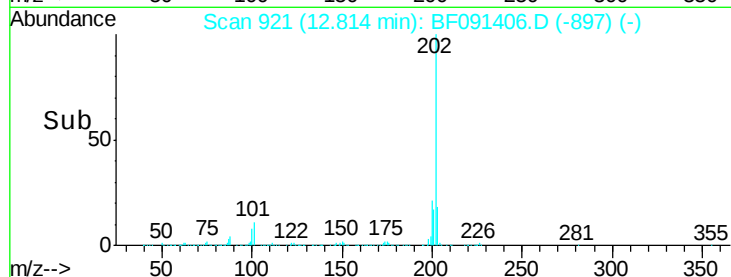
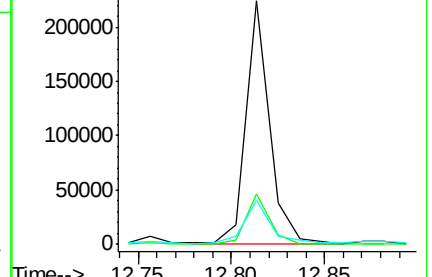
203 17.9 14.0 21.0



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: 42.57 ng

RT: 12.96 min Scan# 934

Delta R.T. -0.03 min

Lab File: BF091406.D

Acq: 2 Dec 2016 23:06

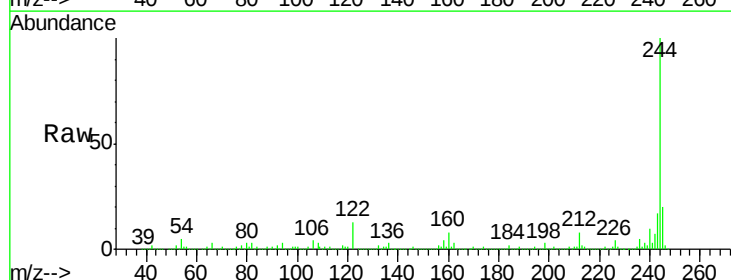
Tgt Ion:244 Resp: 1057490

Ion Ratio Lower Upper

244 100

212 7.7 6.5 9.7

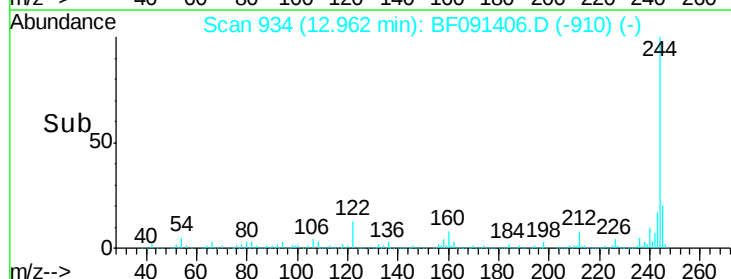
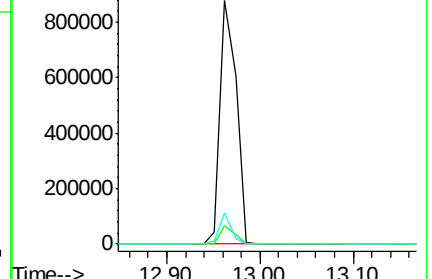
122 12.7 9.5 14.3

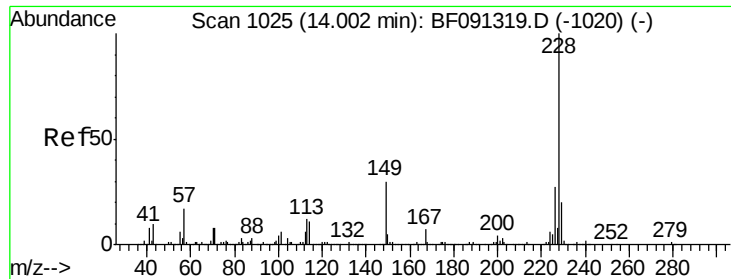


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 3.31 ng

RT: 14.04 min Scan# 1028

Delta R.T. 0.02 min

Lab File: BF091406.D

Acq: 2 Dec 2016 23:06

Instrument :

BNA_F

ClientSampleId :

WESTWALL-120116

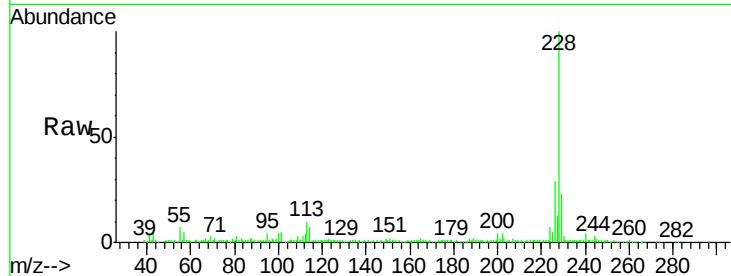
Tgt Ion:228 Resp: 104464

Ion Ratio Lower Upper

228 100

226 29.5 22.5 33.7

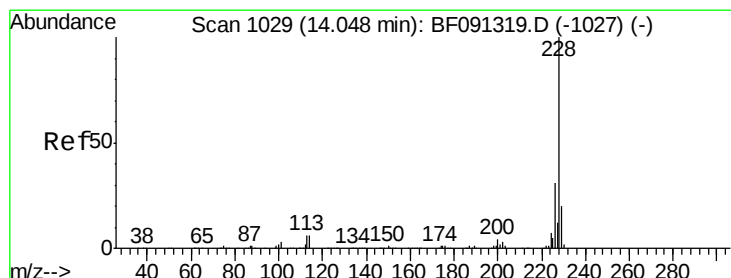
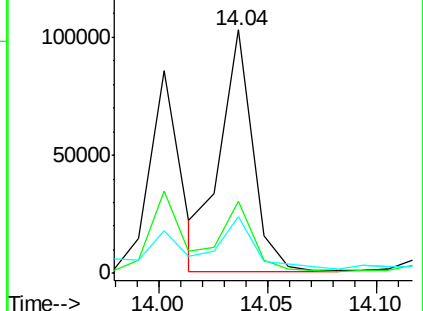
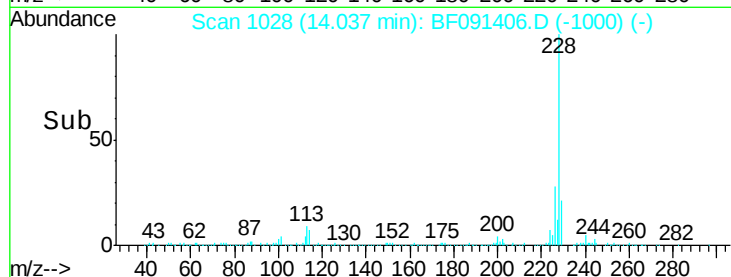
229 23.3 16.4 24.6



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: 3.34 ng

RT: 14.04 min Scan# 1028

Delta R.T. -0.03 min

Lab File: BF091406.D

Acq: 2 Dec 2016 23:06

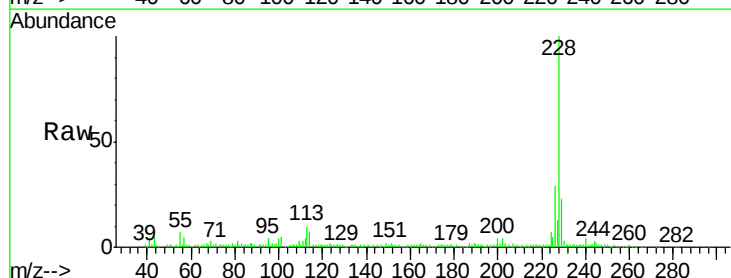
Tgt Ion:228 Resp: 104454

Ion Ratio Lower Upper

228 100

226 29.5 25.0 37.4

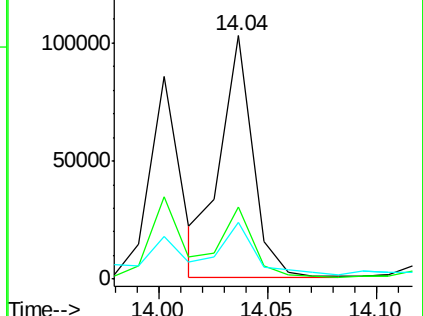
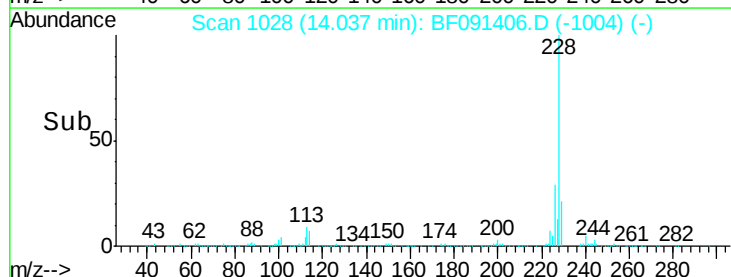
229 23.3 16.0 24.0

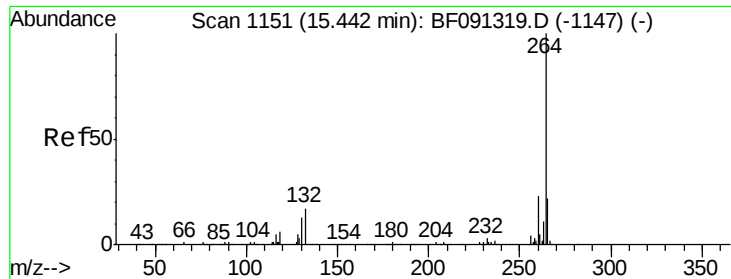


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

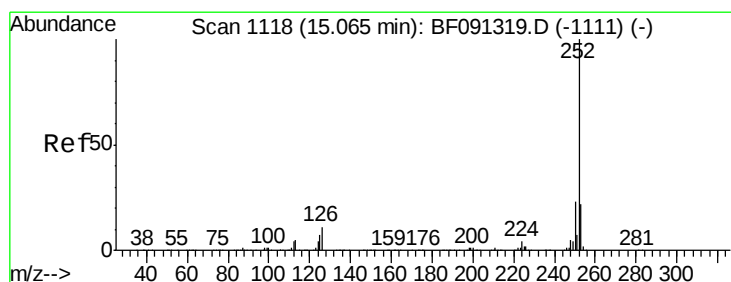
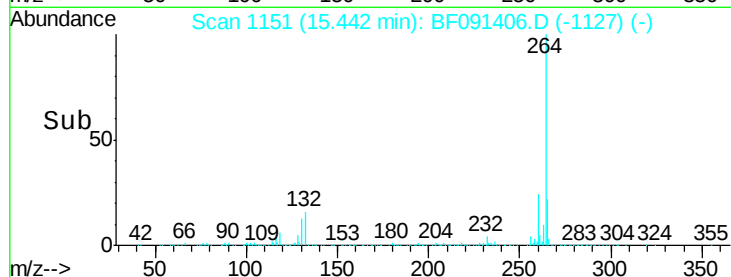
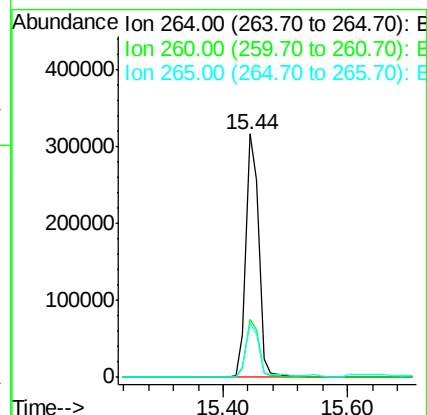
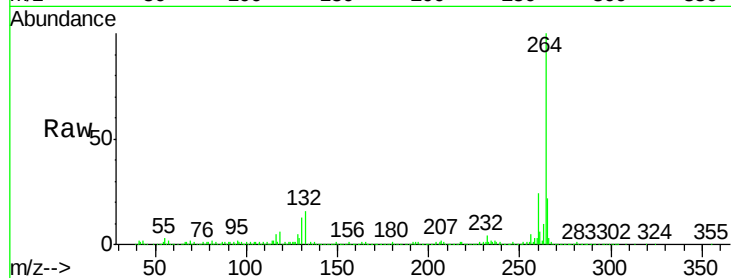




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.44 min Scan# 1151
Delta R.T. -0.03 min
Lab File: BF091406.D
Acq: 2 Dec 2016 23:06

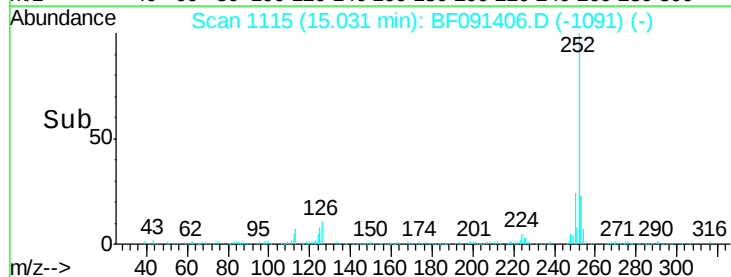
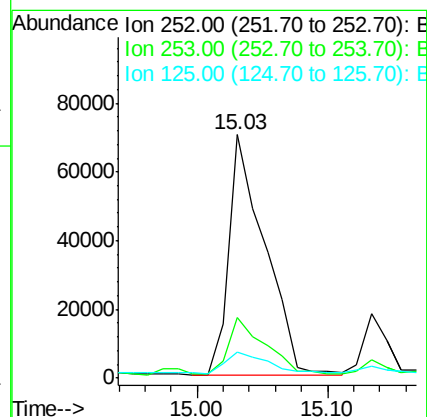
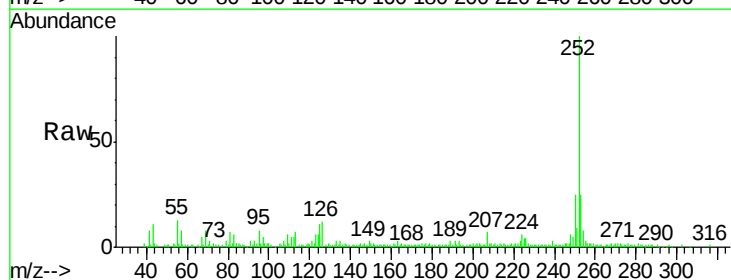
Instrument :
BNA_F
ClientSampleId :
WESTWALL-120116

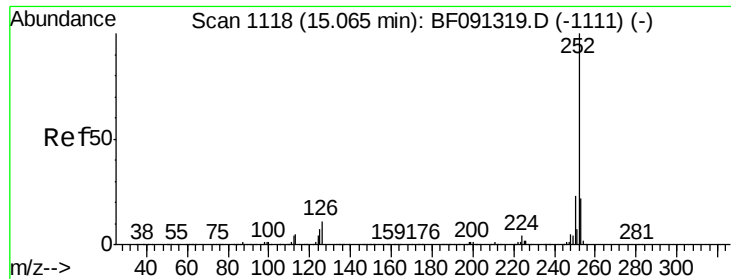
Tgt Ion:264 Resp: 463974
Ion Ratio Lower Upper
264 100
260 24.0 18.8 28.2
265 22.2 17.0 25.6



#87
Benzo(b)fluoranthene
Concen: 4.65 ng
RT: 15.03 min Scan# 1115
Delta R.T. -0.03 min
Lab File: BF091406.D
Acq: 2 Dec 2016 23:06

Tgt Ion:252 Resp: 134049
Ion Ratio Lower Upper
252 100
253 24.7 18.2 27.2
125 10.9 8.6 13.0





#88

Benzo(k)fluoranthene

Concen: 5.53 ng

RT: 15.03 min Scan# 1115

Delta R.T. -0.05 min

Lab File: BF091406.D

Acq: 2 Dec 2016 23:06

Instrument :

BNA_F

ClientSampleId :

WESTWALL-120116

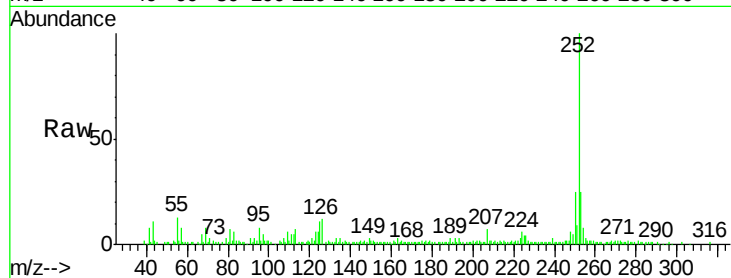
Tgt Ion:252 Resp: 134049

Ion Ratio Lower Upper

252 100

253 24.7 17.8 26.8

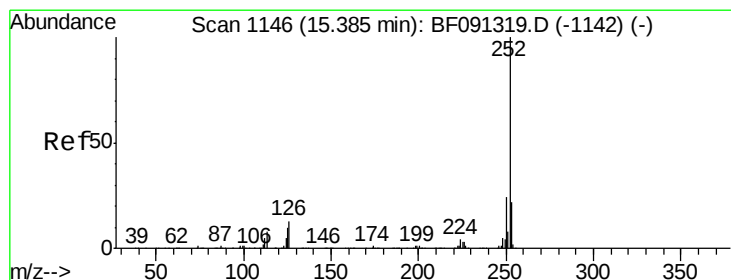
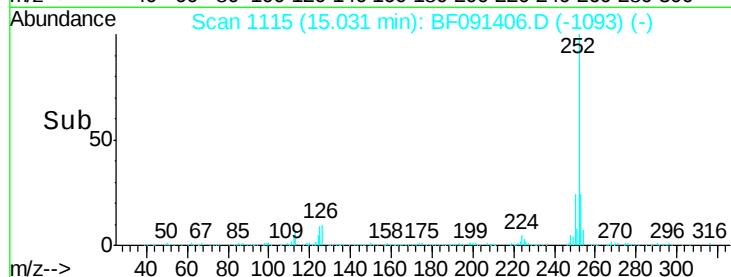
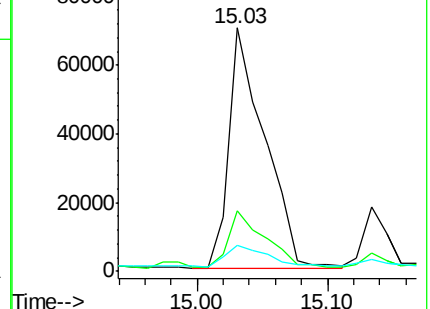
125 10.9 9.6 14.4



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



#89

Benzo(a)pyrene

Concen: 2.39 ng

RT: 15.33 min Scan# 1141

Delta R.T. -0.09 min

Lab File: BF091406.D

Acq: 2 Dec 2016 23:06

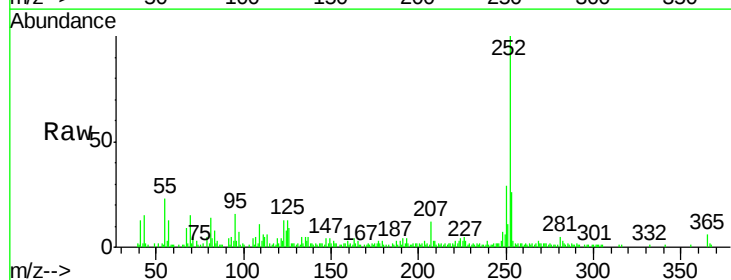
Tgt Ion:252 Resp: 61820

Ion Ratio Lower Upper

252 100

253 25.6 18.2 27.4

125 13.3 10.4 15.6



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

