

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110416\
 Data File : BF091040.D
 Acq On : 5 Nov 2016 00:19
 Operator : UM/SJ
 Sample : H5526-20
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-108-0.5-1.0

Quant Time: Nov 05 00:22:58 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 04 11:03:12 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	194437	20.00	ng	0.00
21) Naphthalene-d8	7.98	136	727479	20.00	ng	-0.01
38) Acenaphthene-d10	9.74	164	369584	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	474260	20.00	ng	-0.01
75) Chrysene-d12	13.86	240	428357	20.00	ng	0.00
86) Perylene-d12	15.24	264	312010	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.31	112	1399245	118.85	ng	0.02
7) Phenol-d6	6.36	99	1749437	109.48	ng	0.01
23) Nitrobenzene-d5	7.28	82	1117199	83.77	ng	0.00
41) 2,4,6-Tribromophenol	10.53	330	318185	95.23	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	1504681	70.09	ng	0.00
78) Terphenyl-d14	12.81	244	1271260	74.06	ng	0.00

Target Compounds

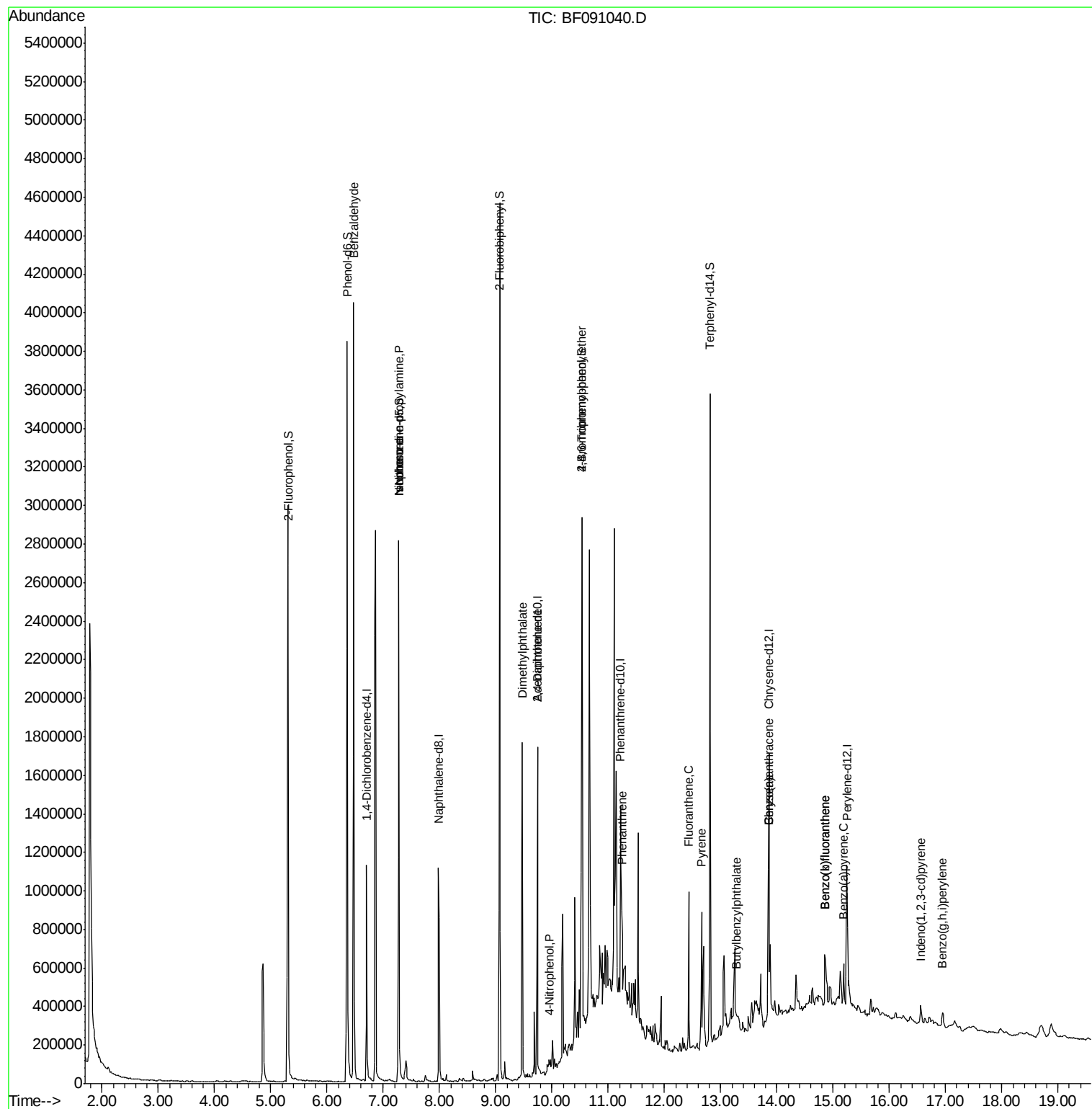
						Qvalue
9) Benzaldehyde	6.48	77	28219	3.18	ng	90
19) n-Nitroso-di-n-propylamine	7.28	70	151811	13.71	ng	# 75
25) Isophorone	7.28	82	1072842	41.75	ng	# 67
49) Dimethylphthalate	9.47	163	624472	25.77	ng	99
55) 4-Nitrophenol	9.95	139	2955	6.40	ng	# 45
56) 2,4-Dinitrotoluene	9.74	165	49416	7.48	ng	# 26
66) 4-Bromophenyl-phenylether	10.53	248	22673	4.60	ng	# 1
70) Phenanthrene	11.24	178	163572	6.49	ng	97
74) Fluoranthene	12.43	202	299125	11.44	ng	97
77) Pyrene	12.66	202	272818	9.73	ng	97
79) Butylbenzylphthalate	13.28	149	47010	3.50	ng	# 70
80) Benzo(a)anthracene	13.85	228	167420	6.88	ng	99
82) Chrysene	13.85	228	167420	6.98	ng	97
85) Indeno(1,2,3-cd)pyrene	16.56	276	57135	2.87	ng	96
87) Benzo(b)fluoranthene	14.85	252	216634	10.24	ng	# 95
88) Benzo(k)fluoranthene	14.85	252	216634	11.67	ng	99
89) Benzo(a)pyrene	15.19	252	93087	5.05	ng	# 90
91) Benzo(g,h,i)perylene	16.95	276	51023	3.54	ng	94

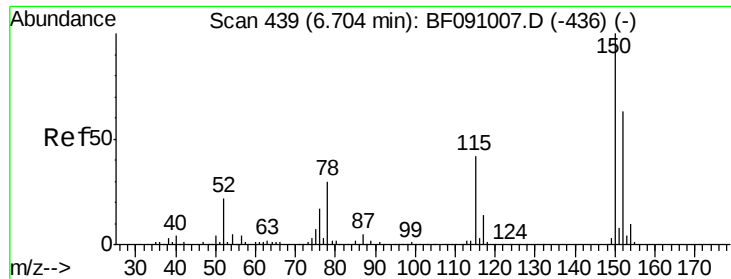
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.70 min Scan# 439

Delta R.T. 0.00 min

Lab File: BF091040.D

Acq: 5 Nov 2016 00:19

Instrument :

BNA_F

ClientSampleId :

SB-108-0.5-1.0

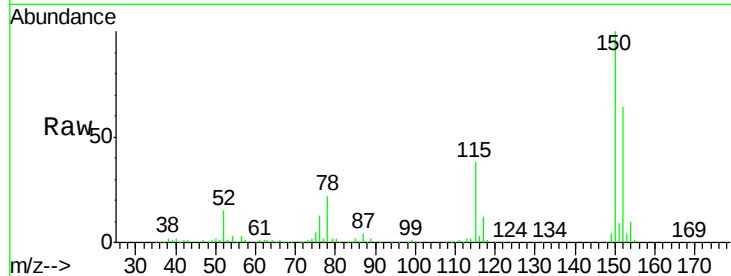
Tgt Ion:152 Resp: 194437

Ion Ratio Lower Upper

152 100

150 156.1 126.8 190.2

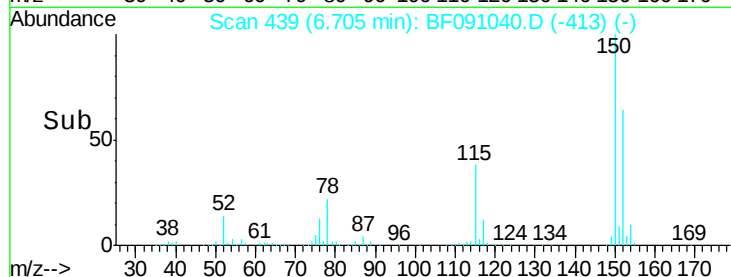
115 58.5 53.3 79.9



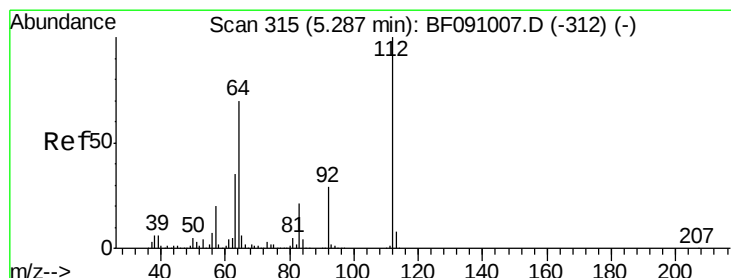
Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



Time--> 6.60 6.70 6.80



#5

2-Fluorophenol

Concen: 118.85 ng

RT: 5.31 min Scan# 317

Delta R.T. 0.02 min

Lab File: BF091040.D

Acq: 5 Nov 2016 00:19

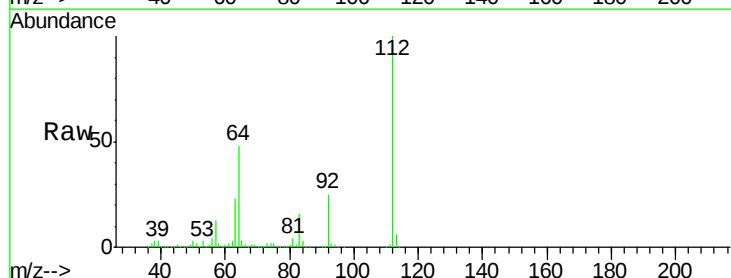
Tgt Ion:112 Resp: 1399245

Ion Ratio Lower Upper

112 100

64 48.0 55.8 83.6#

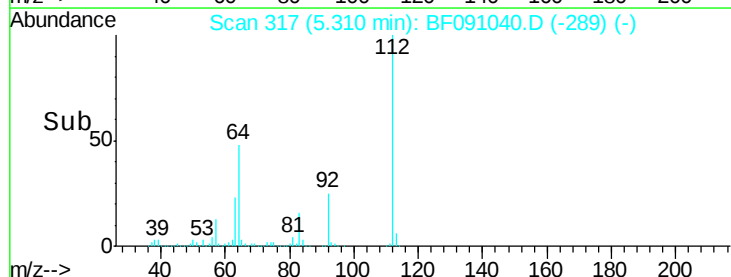
63 23.5 28.0 42.0#



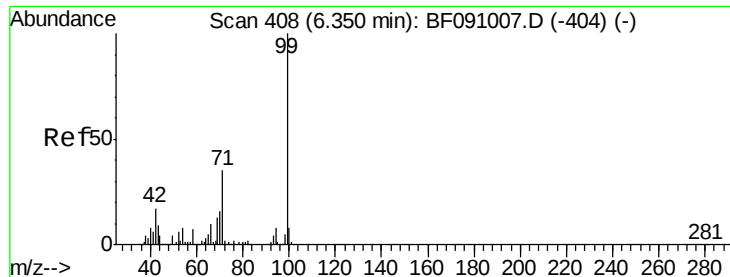
Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



Time--> 5.20 5.30 5.40 5.50 5.60



#7

Phenol-d6

Concen: 109.48 ng

RT: 6.36 min Scan# 409

Delta R.T. 0.01 min

Lab File: BF091040.D

Acq: 5 Nov 2016 00:19

Instrument :

BNA_F

ClientSampleId :

SB-108-0.5-1.0

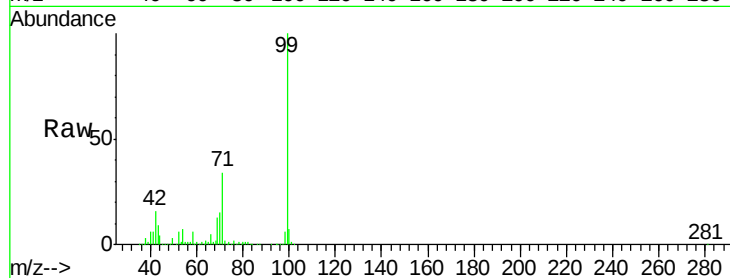
Tgt Ion: 99 Resp: 1749437

Ion Ratio Lower Upper

99 100

42 16.1 13.9 20.9

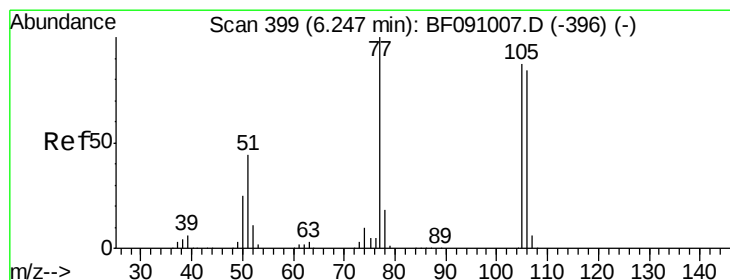
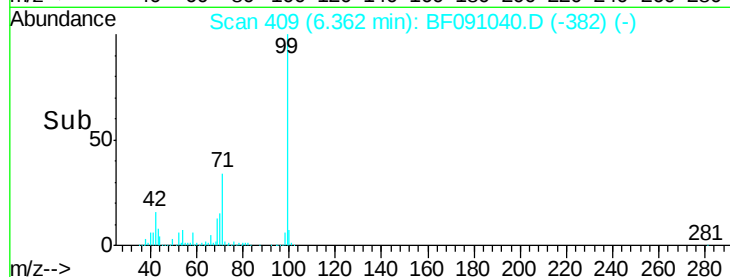
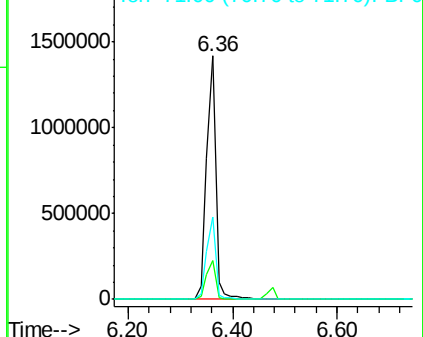
71 33.6 27.8 41.8



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: 3.18 ng

RT: 6.48 min Scan# 419

Delta R.T. 0.23 min

Lab File: BF091040.D

Acq: 5 Nov 2016 00:19

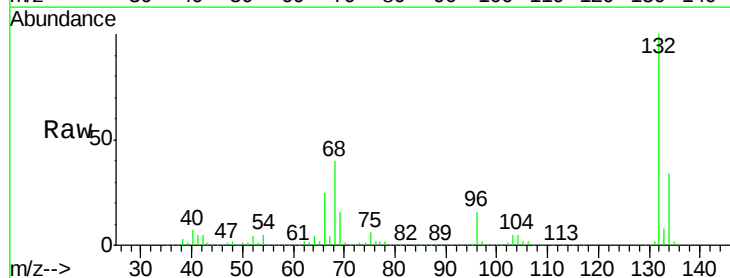
Tgt Ion: 77 Resp: 28219

Ion Ratio Lower Upper

77 100

105 79.7 66.8 106.8

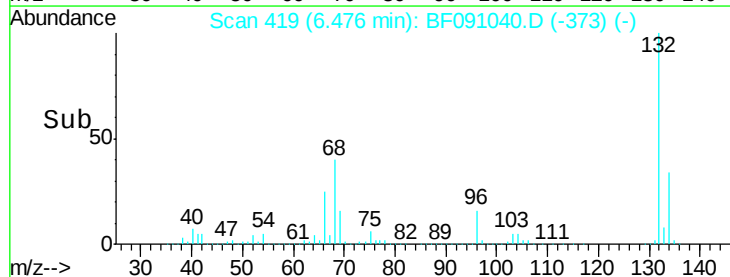
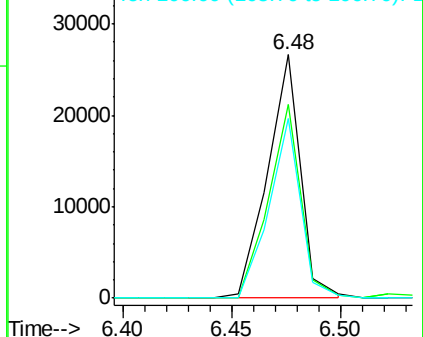
106 73.6 64.0 104.0

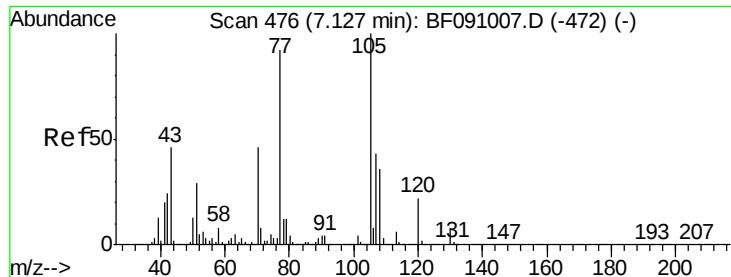


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B

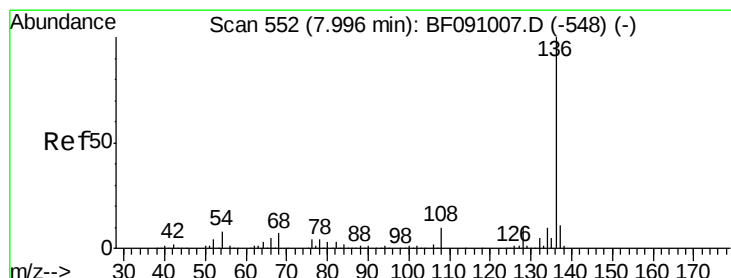
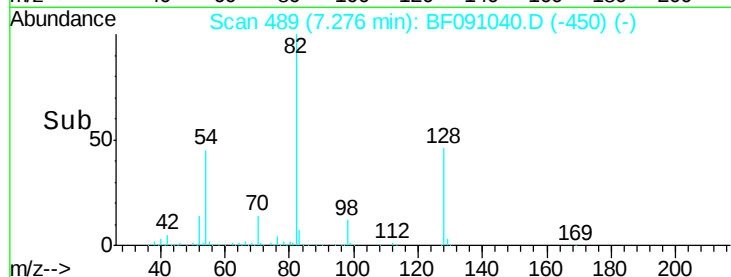
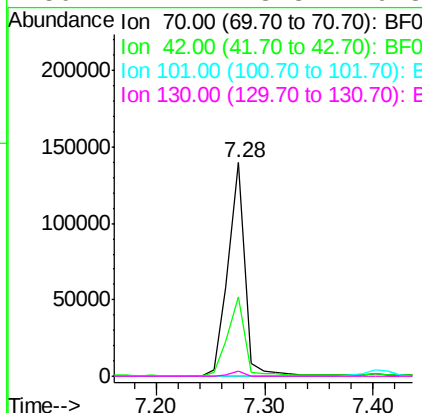
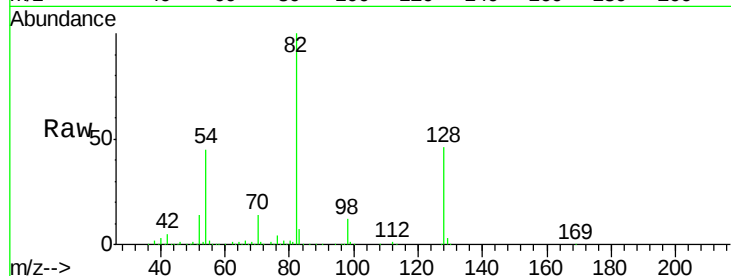




#19
n-Nitroso-di-n-propylamine
Concen: 13.71 ng
RT: 7.28 min Scan# 489
Delta R.T. 0.15 min
Lab File: BF091040.D
Acq: 5 Nov 2016 00:19

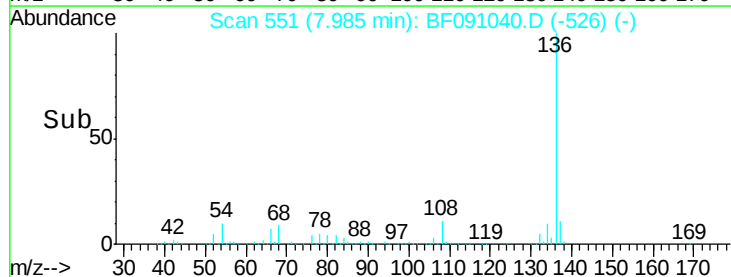
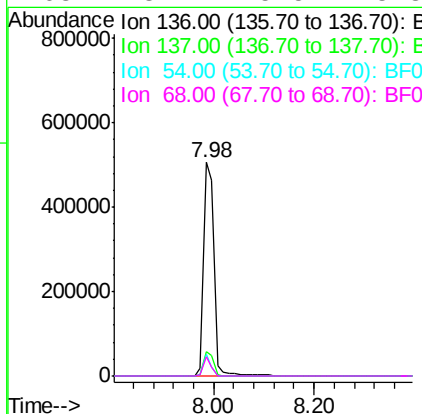
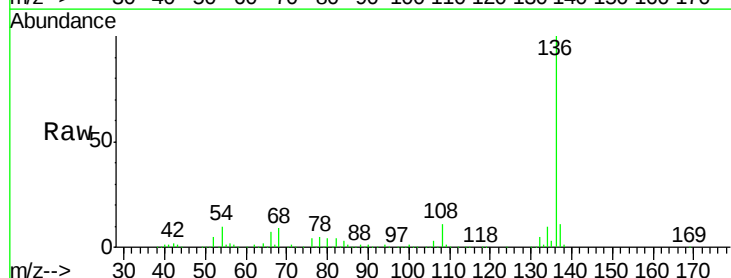
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SB-108-0.5-1.0

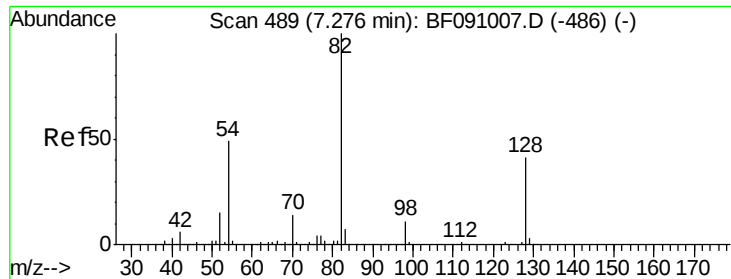
Tgt Ion: 70 Resp: 151811
Ion Ratio Lower Upper
70 100
42 36.9 41.7 62.5#
101 0.0 6.7 10.1#
130 2.2 13.8 20.8#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.98 min Scan# 551
Delta R.T. -0.01 min
Lab File: BF091040.D
Acq: 5 Nov 2016 00:19

Tgt Ion: 136 Resp: 727479
Ion Ratio Lower Upper
136 100
137 11.5 8.9 13.3
54 10.1 6.2 9.2#
68 8.7 5.5 8.3#

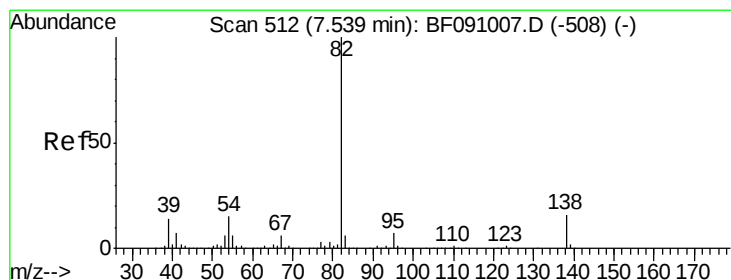
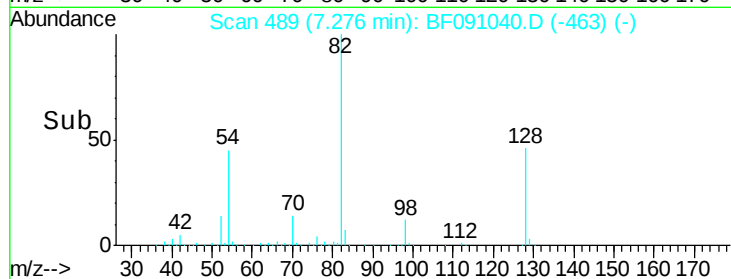
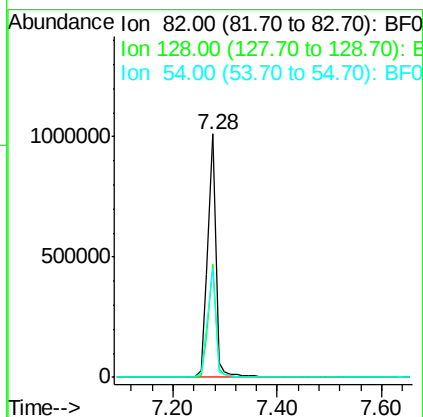
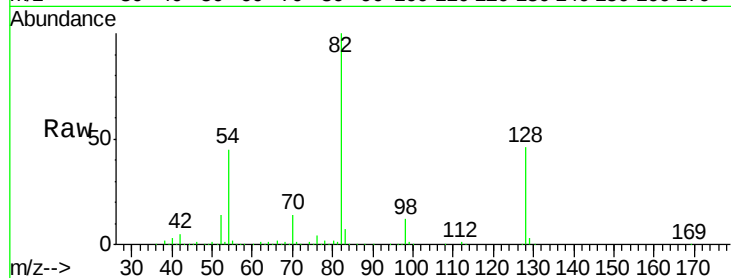




#23
 Nitrobenzene-d5
 Concen: 83.77 ng
 RT: 7.28 min Scan# 489
 Delta R.T. 0.00 min
 Lab File: BF091040.D
 Acq: 5 Nov 2016 00:19

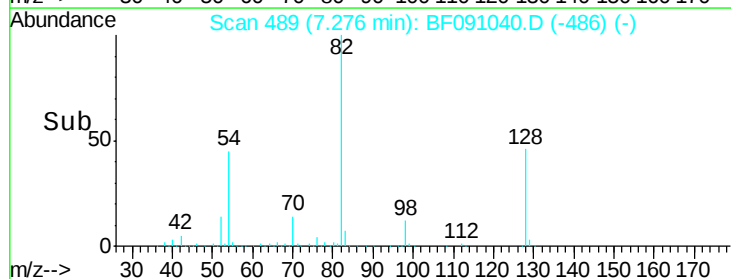
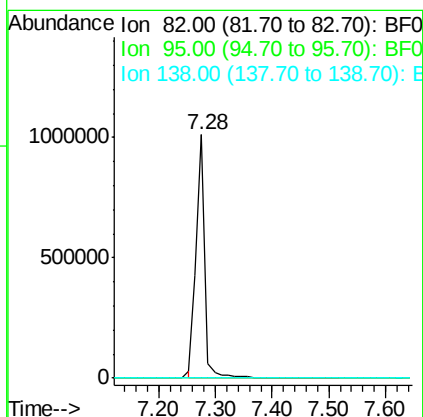
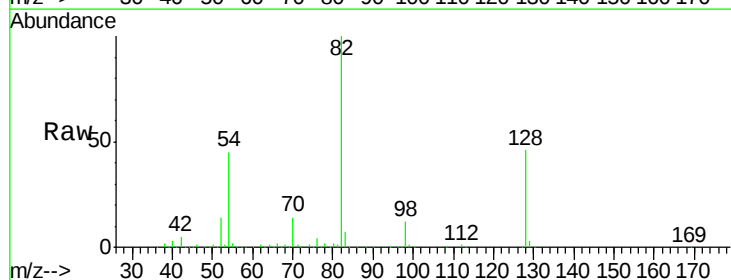
Instrument :
 BNA_F
 ClientSampleId :
 SB-108-0.5-1.0

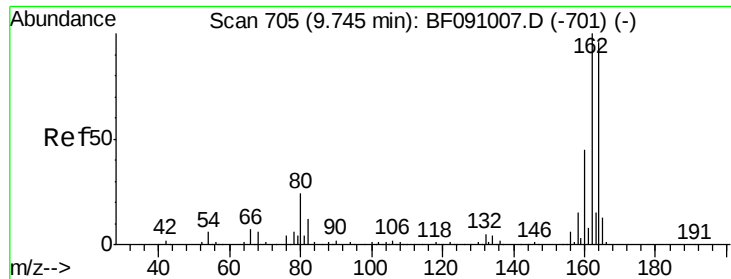
Tgt Ion: 82 Resp: 1117199
 Ion Ratio Lower Upper
 82 100
 128 46.2 32.4 48.6
 54 44.7 39.2 58.8



#25
 Isophorone
 Concen: 41.75 ng
 RT: 7.28 min Scan# 489
 Delta R.T. -0.26 min
 Lab File: BF091040.D
 Acq: 5 Nov 2016 00:19

Tgt Ion: 82 Resp: 1072842
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.4 8.0#
 138 0.0 13.0 19.4#

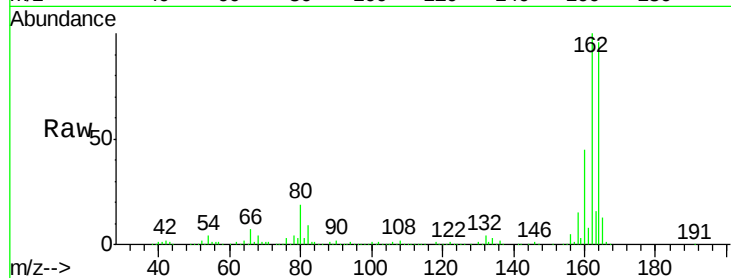




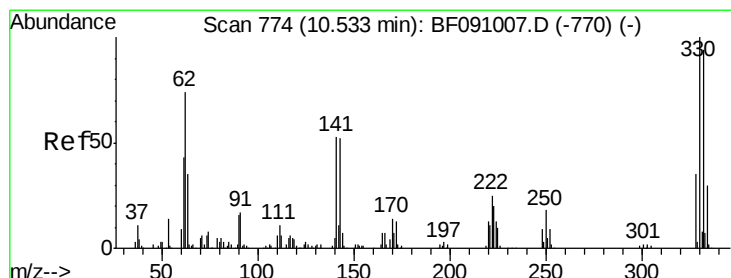
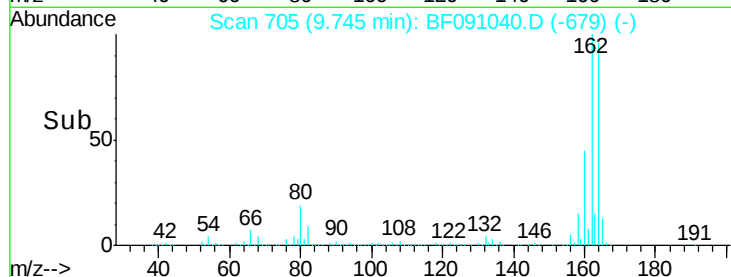
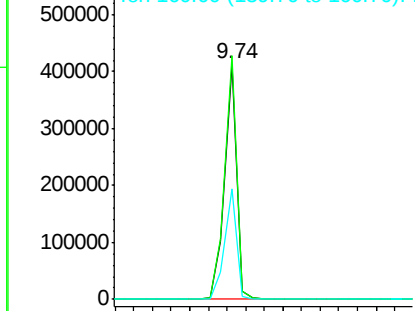
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.74 min Scan# 705
Delta R.T. 0.00 min
Lab File: BF091040.D
Acq: 5 Nov 2016 00:19

Instrument :
BNA_F
ClientSampleId :
SB-108-0.5-1.0

Tgt Ion:164 Resp: 369584
Ion Ratio Lower Upper
164 100
162 103.8 83.6 125.4
160 47.1 37.9 56.9

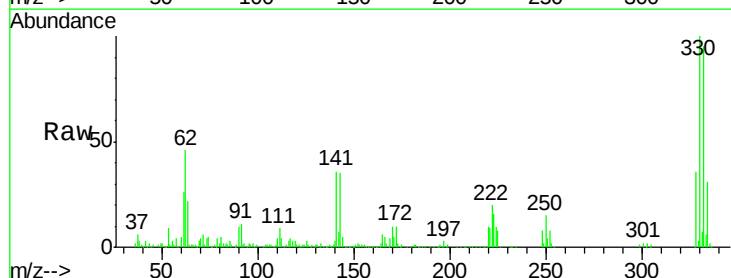


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

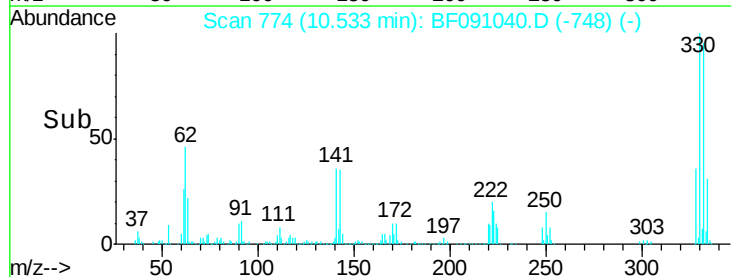
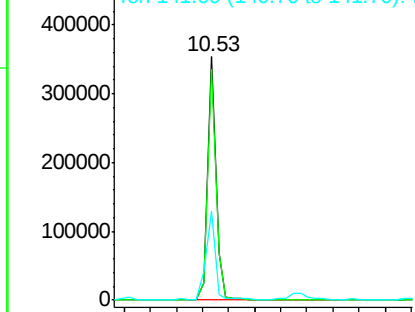


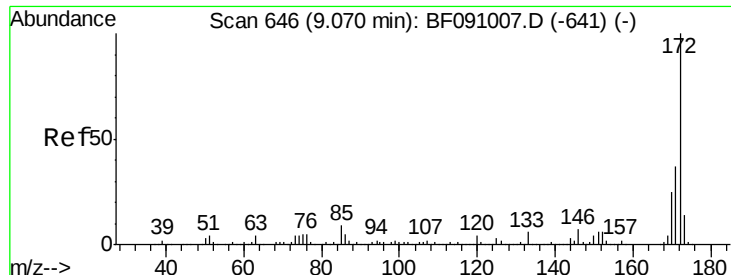
#41
2,4,6-Tribromophenol
Concen: 95.23 ng
RT: 10.53 min Scan# 774
Delta R.T. 0.00 min
Lab File: BF091040.D
Acq: 5 Nov 2016 00:19

Tgt Ion:330 Resp: 318185
Ion Ratio Lower Upper
330 100
332 95.8 75.9 113.9
141 40.1 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

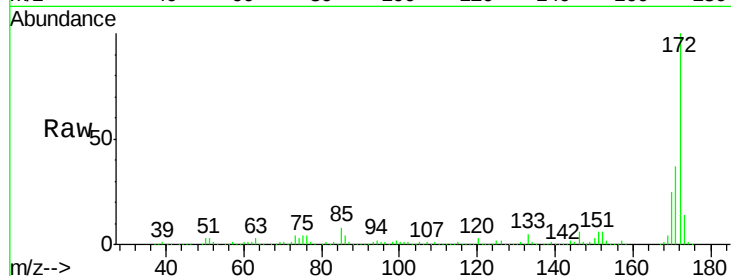




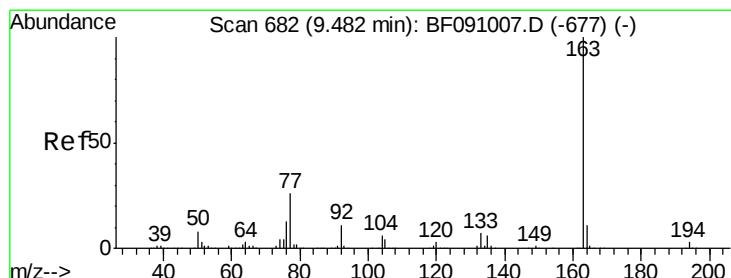
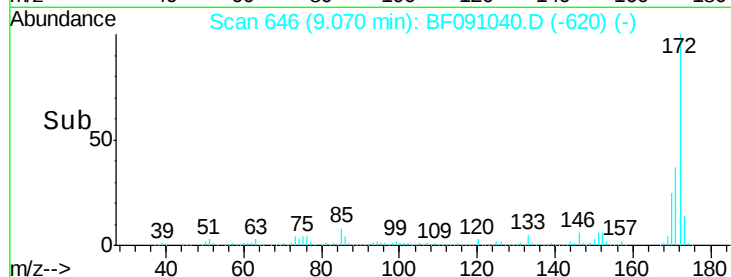
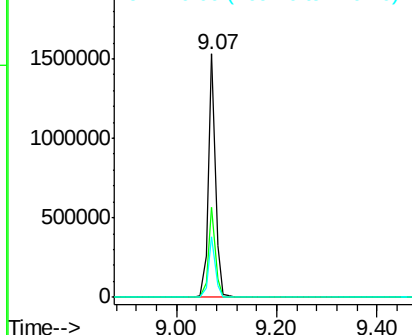
#44
 2-Fluorobiphenyl
 Concen: 70.09 ng
 RT: 9.07 min Scan# 646
 Delta R.T. 0.00 min
 Lab File: BF091040.D
 Acq: 5 Nov 2016 00:19

Instrument :
 BNA_F
 ClientSampleId :
 SB-108-0.5-1.0

Tgt Ion:172 Resp: 1504681
 Ion Ratio Lower Upper
 172 100
 171 37.1 29.8 44.6
 170 25.1 20.3 30.5

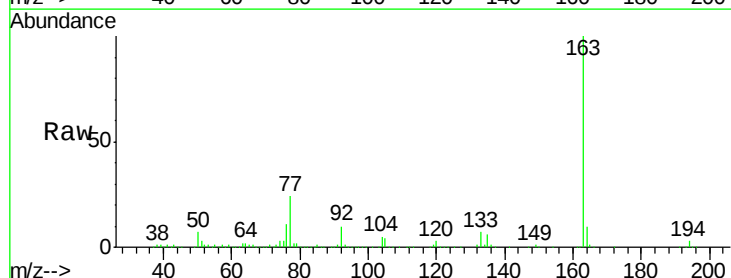


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

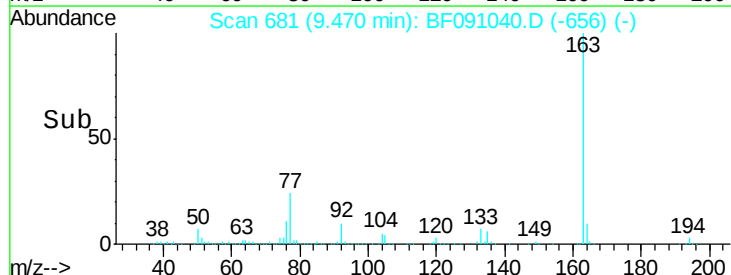
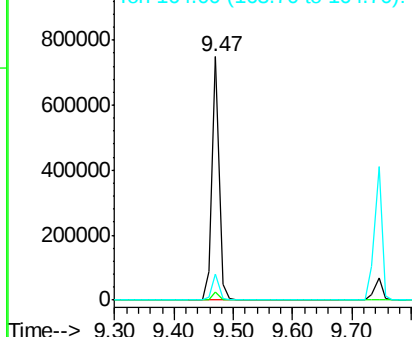


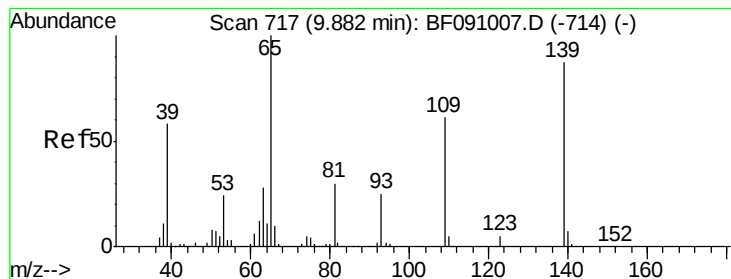
#49
 Dimethylphthalate
 Concen: 25.77 ng
 RT: 9.47 min Scan# 681
 Delta R.T. -0.01 min
 Lab File: BF091040.D
 Acq: 5 Nov 2016 00:19

Tgt Ion:163 Resp: 624472
 Ion Ratio Lower Upper
 163 100
 194 3.2 2.6 4.0
 164 10.5 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: 6.40 ng

RT: 9.95 min Scan# 723

Delta R.T. 0.07 min

Lab File: BF091040.D

Acq: 5 Nov 2016 00:19

Instrument :

BNA_F

ClientSampleId :

SB-108-0.5-1.0

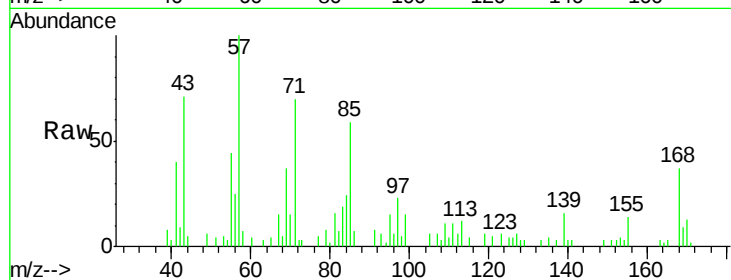
Tgt Ion:139 Resp: 2955

Ion Ratio Lower Upper

139 100

109 66.8 50.5 90.5

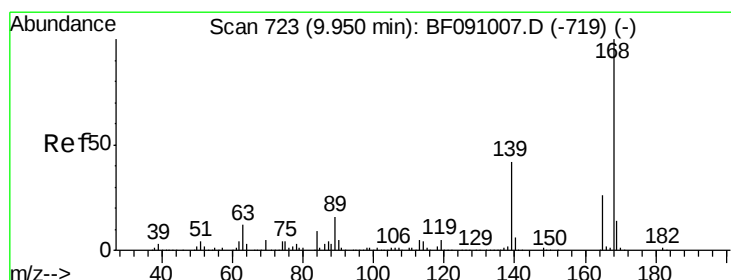
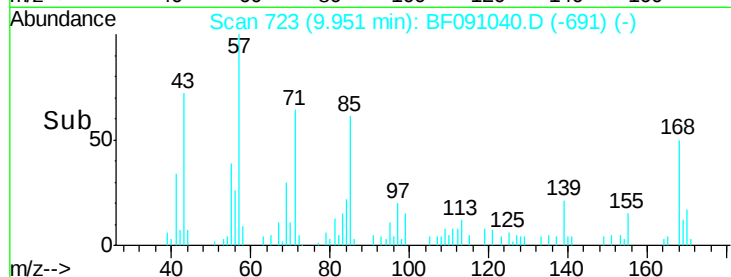
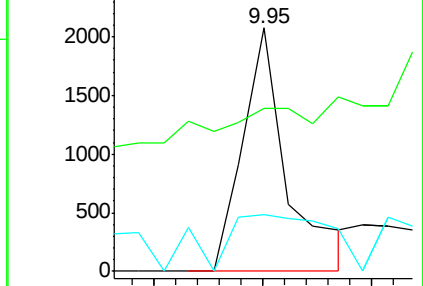
65 23.2 97.1 137.1#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0



#56

2,4-Dinitrotoluene

Concen: 7.48 ng

RT: 9.74 min Scan# 705

Delta R.T. -0.21 min

Lab File: BF091040.D

Acq: 5 Nov 2016 00:19

Tgt Ion:165 Resp: 49416

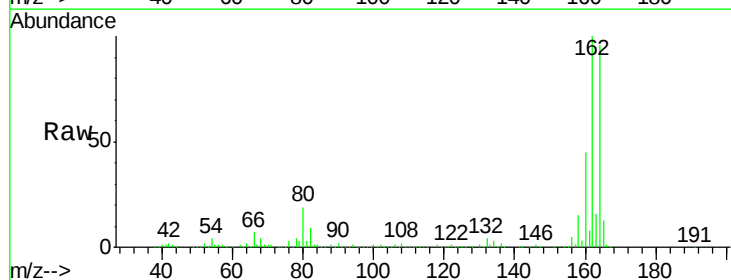
Ion Ratio Lower Upper

165 100

63 0.8 38.7 58.1#

89 0.9 50.6 76.0#

182 0.0 1.8 2.8#

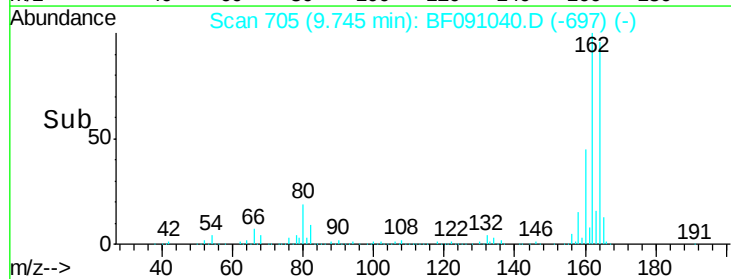
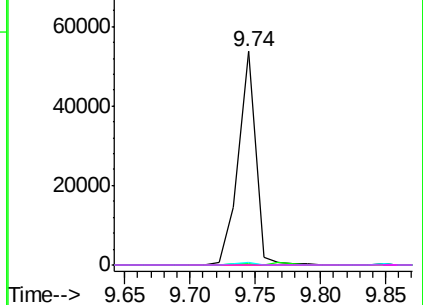


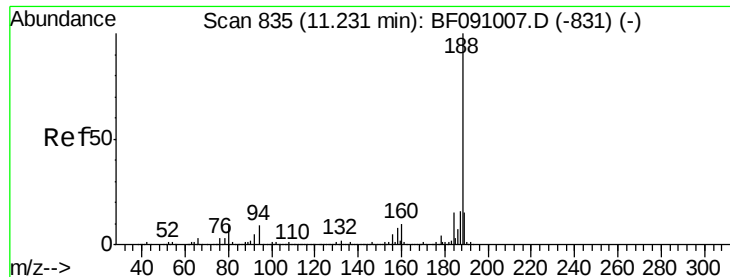
Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.22 min Scan# 834

Delta R.T. -0.01 min

Lab File: BF091040.D

Acq: 5 Nov 2016 00:19

Instrument :

BNA_F

ClientSampleId :

SB-108-0.5-1.0

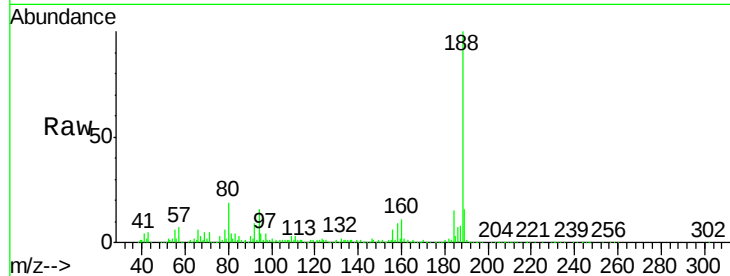
Tgt Ion:188 Resp: 474260

Ion Ratio Lower Upper

188 100

94 16.5 7.0 10.4#

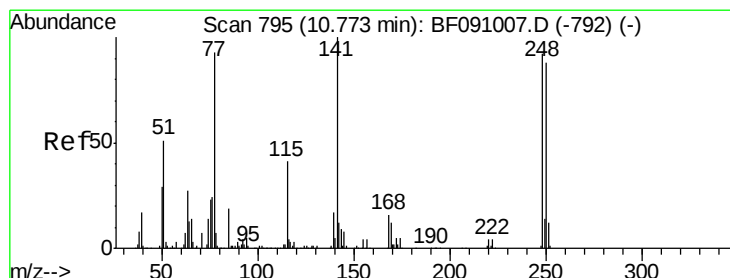
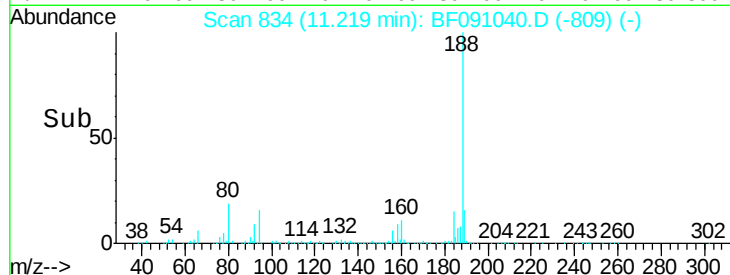
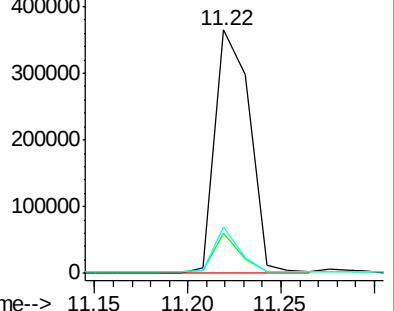
80 19.0 7.5 11.3#



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: 4.60 ng

RT: 10.53 min Scan# 774

Delta R.T. -0.24 min

Lab File: BF091040.D

Acq: 5 Nov 2016 00:19

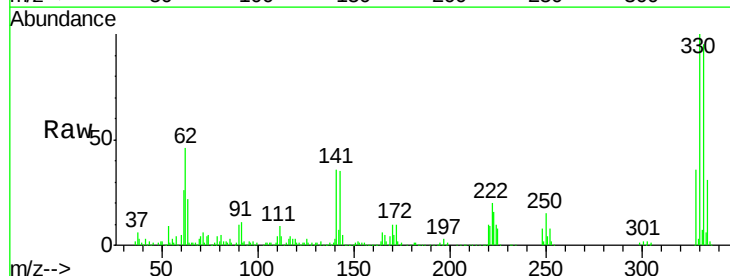
Tgt Ion:248 Resp: 22673

Ion Ratio Lower Upper

248 100

250 202.5 76.3 114.5#

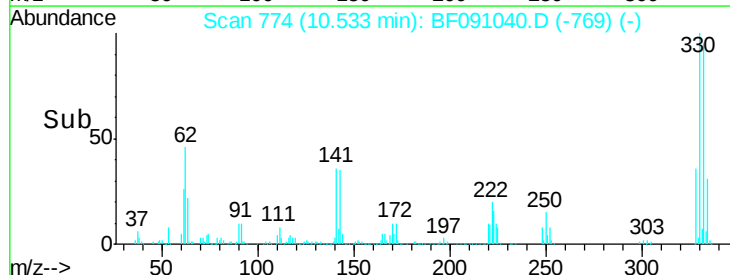
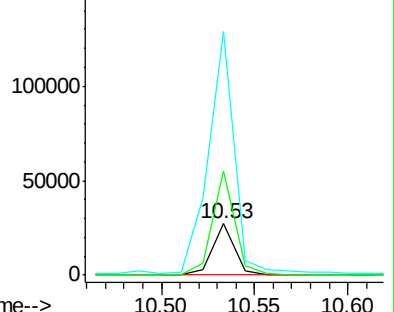
141 476.2 86.8 130.2#

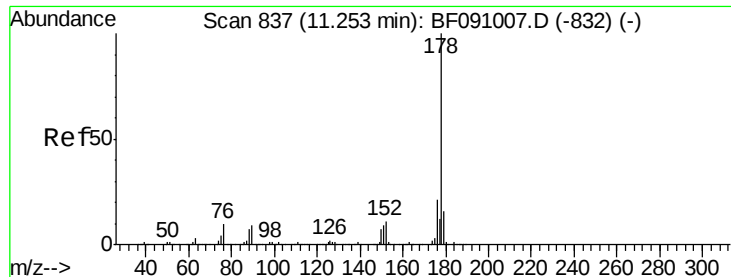


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#70

Phenanthrene

Concen: 6.49 ng

RT: 11.24 min Scan# 836

Delta R.T. -0.01 min

Lab File: BF091040.D

Acq: 5 Nov 2016 00:19

Instrument :

BNA_F

ClientSampleId :

SB-108-0.5-1.0

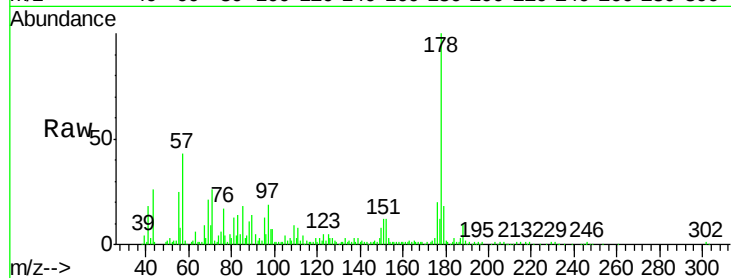
Tgt Ion:178 Resp: 163572

Ion Ratio Lower Upper

178 100

176 19.9 16.6 25.0

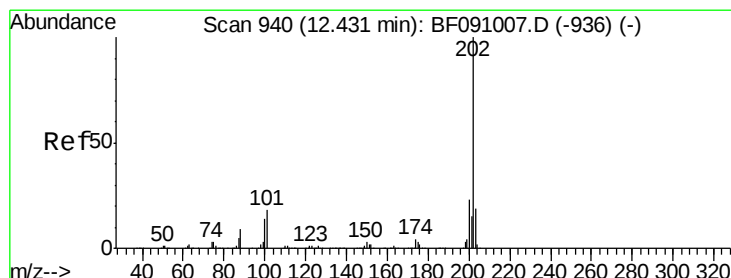
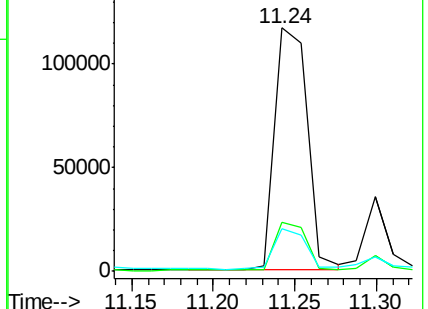
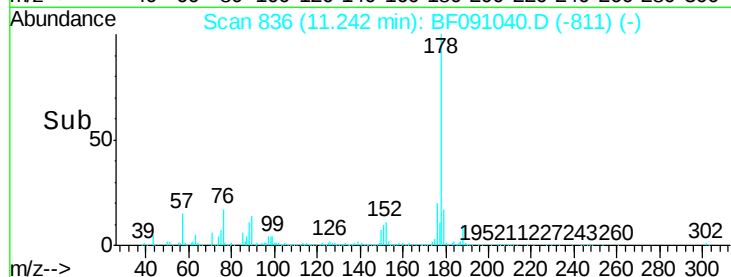
179 17.7 12.9 19.3



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: 11.44 ng

RT: 12.43 min Scan# 940

Delta R.T. 0.00 min

Lab File: BF091040.D

Acq: 5 Nov 2016 00:19

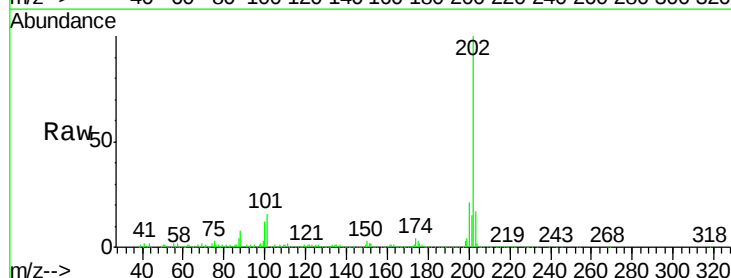
Tgt Ion:202 Resp: 299125

Ion Ratio Lower Upper

202 100

101 16.2 0.0 37.6

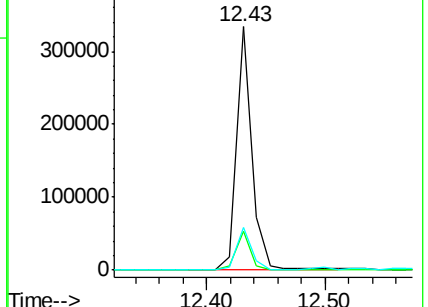
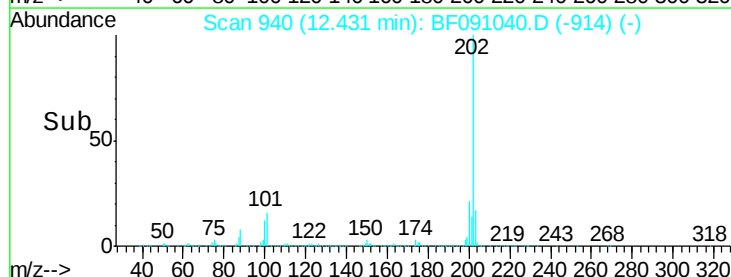
203 17.3 0.0 38.6

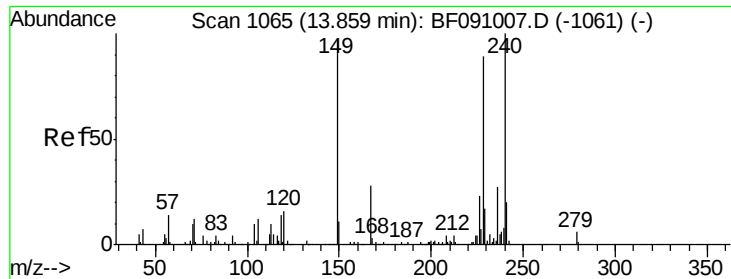


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.86 min Scan# 1065

Delta R.T. 0.00 min

Lab File: BF091040.D

Acq: 5 Nov 2016 00:19

Instrument :

BNA_F

ClientSampleId :

SB-108-0.5-1.0

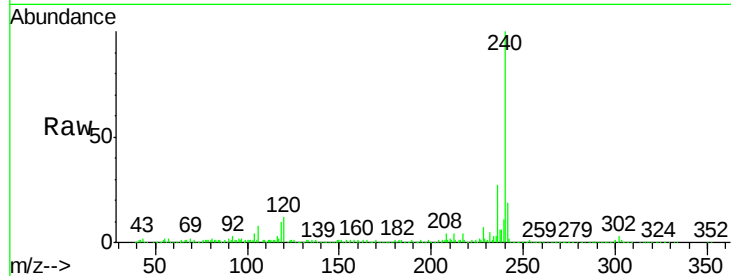
Tgt Ion:240 Resp: 428357

Ion Ratio Lower Upper

240 100

120 11.9 12.9 19.3#

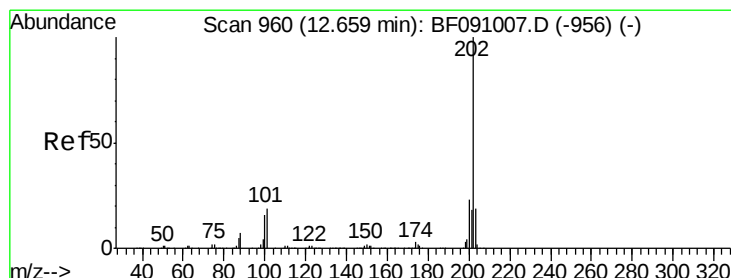
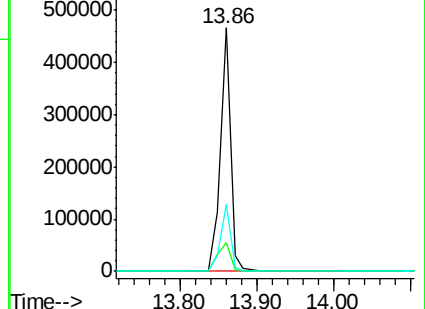
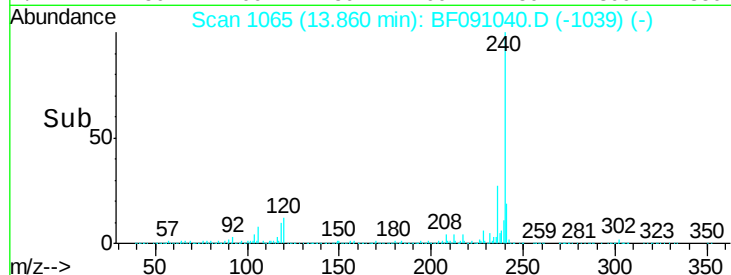
236 27.4 21.9 32.9



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: 9.73 ng

RT: 12.66 min Scan# 960

Delta R.T. 0.00 min

Lab File: BF091040.D

Acq: 5 Nov 2016 00:19

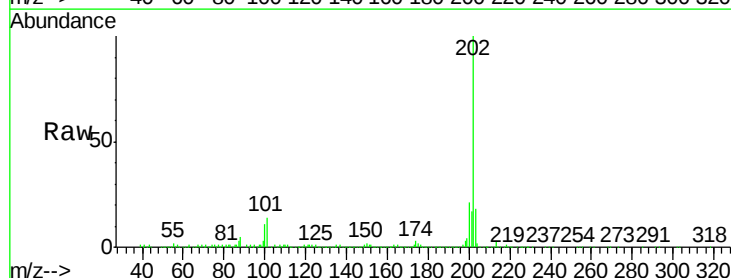
Tgt Ion:202 Resp: 272818

Ion Ratio Lower Upper

202 100

200 21.4 18.4 27.6

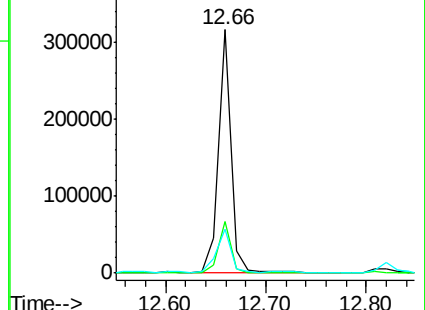
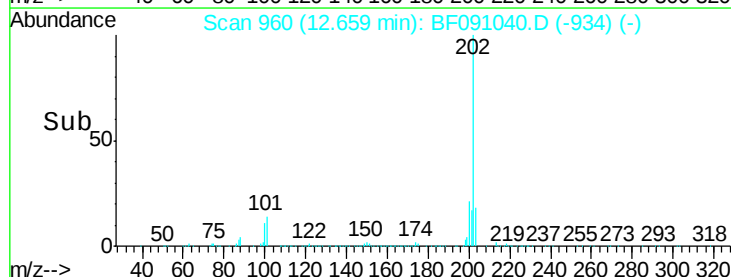
203 18.1 15.0 22.6

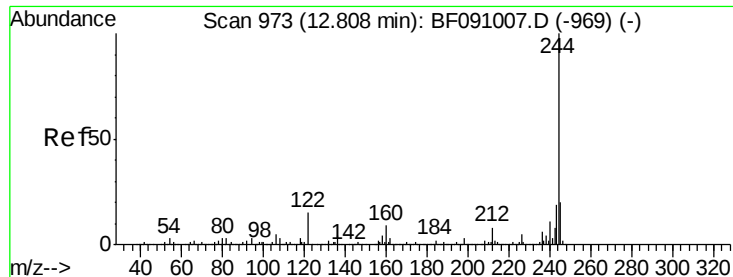


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 74.06 ng

RT: 12.81 min Scan# 973

Delta R.T. 0.00 min

Lab File: BF091040.D

Acq: 5 Nov 2016 00:19

Instrument :

BNA_F

ClientSampleId :

SB-108-0.5-1.0

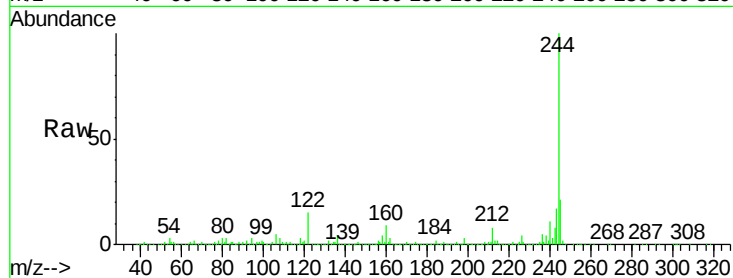
Tgt Ion:244 Resp: 1271260

Ion Ratio Lower Upper

244 100

212 7.6 6.4 9.6

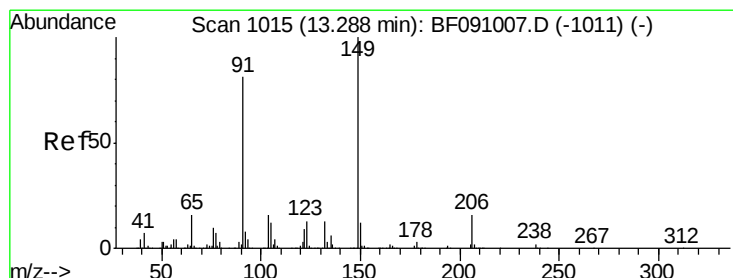
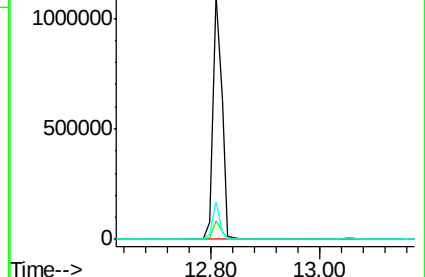
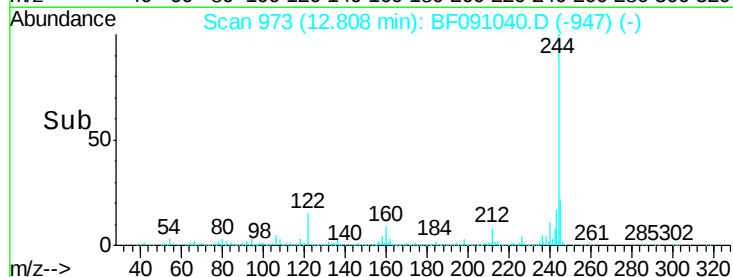
122 15.5 12.3 18.5



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



#79

Butylbenzylphthalate

Concen: 3.50 ng

RT: 13.28 min Scan# 1014

Delta R.T. -0.01 min

Lab File: BF091040.D

Acq: 5 Nov 2016 00:19

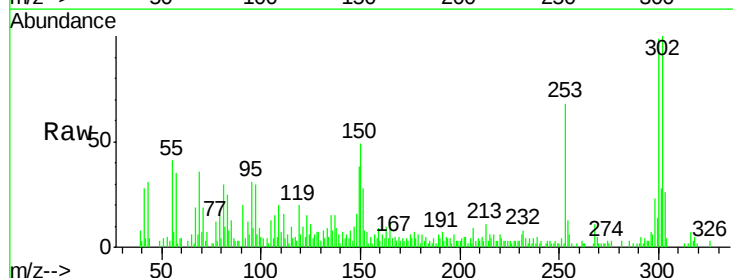
Tgt Ion:149 Resp: 47010

Ion Ratio Lower Upper

149 100

91 53.6 65.0 97.4#

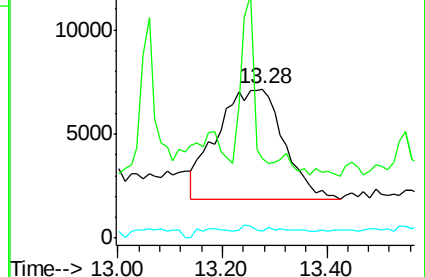
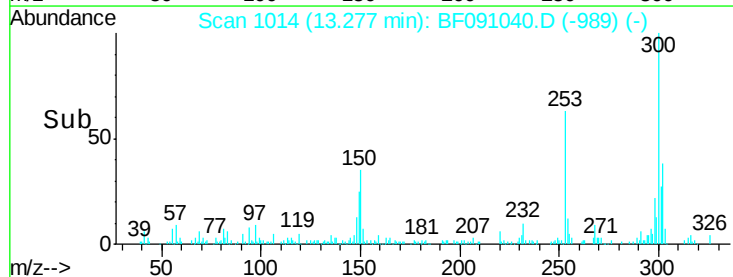
206 4.4 12.5 18.7#

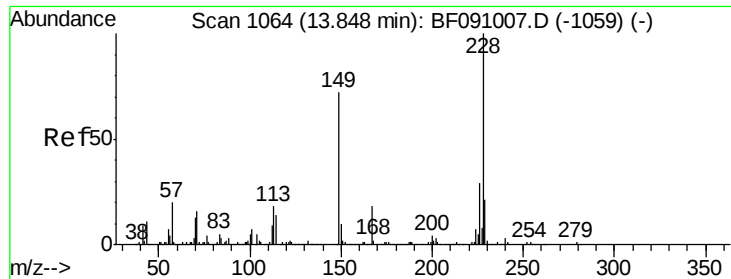


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E





#80

Benzo(a)anthracene

Concen: 6.88 ng

RT: 13.85 min Scan# 1064

Delta R.T. 0.00 min

Lab File: BF091040.D

Acq: 5 Nov 2016 00:19

Instrument :

BNA_F

ClientSampleId :

SB-108-0.5-1.0

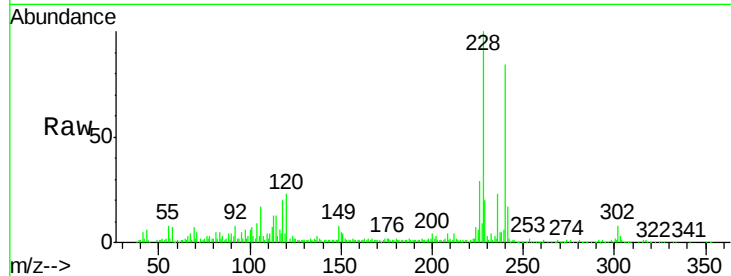
Tgt Ion:228 Resp: 167420

Ion Ratio Lower Upper

228 100

226 29.1 23.0 34.6

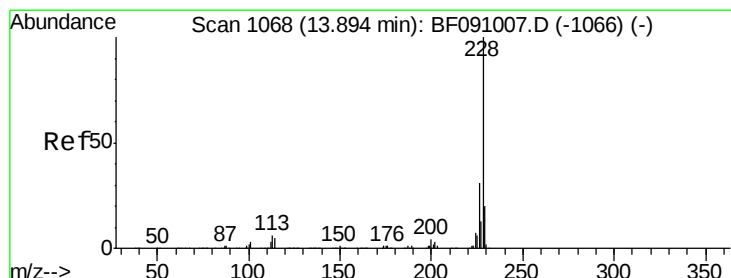
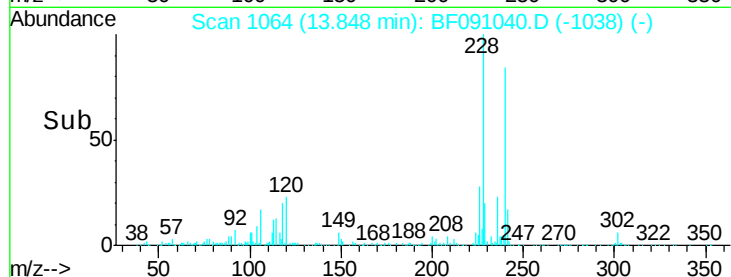
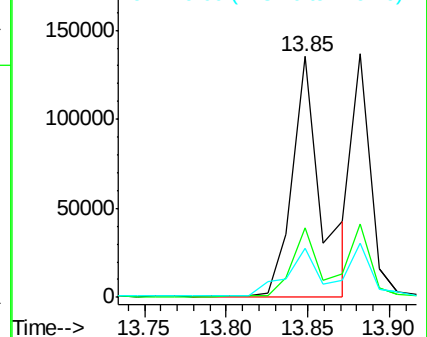
229 20.3 16.6 24.8



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: 6.98 ng

RT: 13.85 min Scan# 1064

Delta R.T. -0.05 min

Lab File: BF091040.D

Acq: 5 Nov 2016 00:19

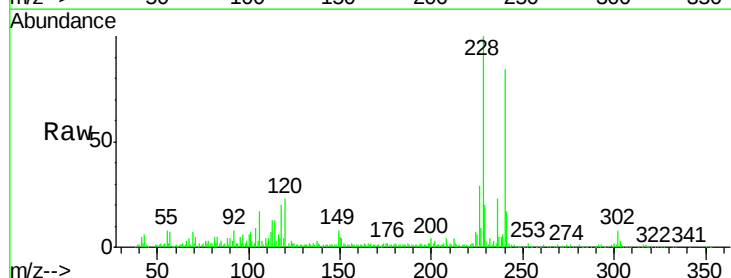
Tgt Ion:228 Resp: 167420

Ion Ratio Lower Upper

228 100

226 29.1 24.9 37.3

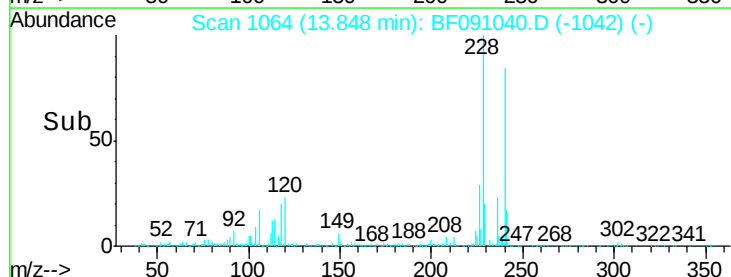
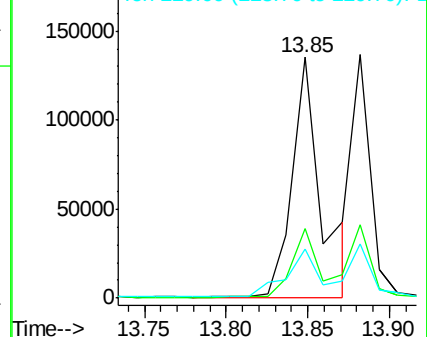
229 20.3 15.9 23.9

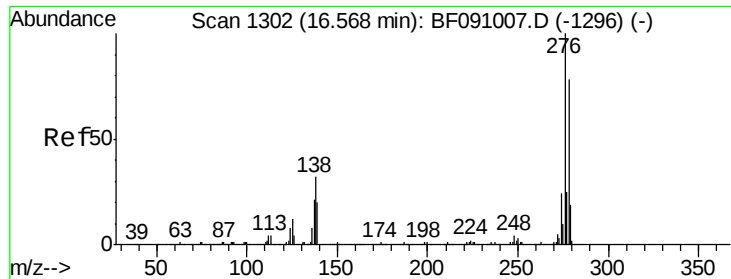


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

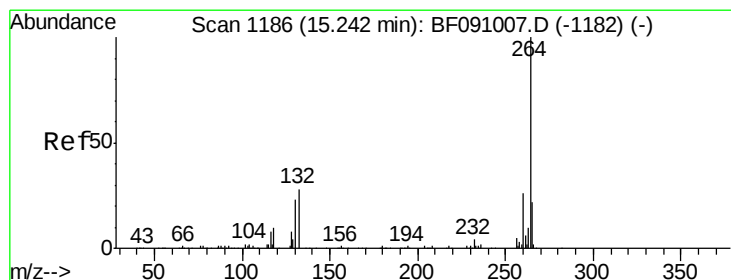
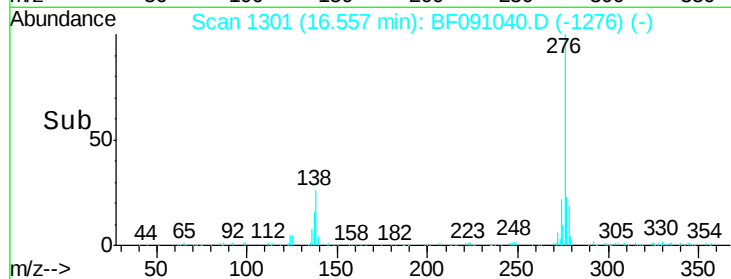
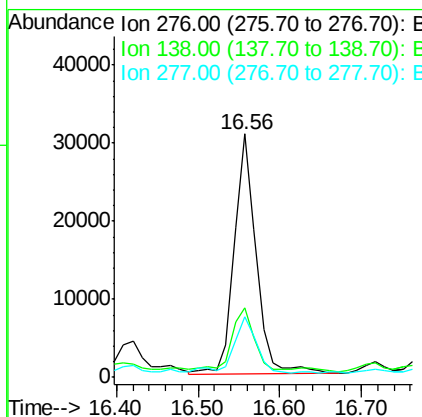
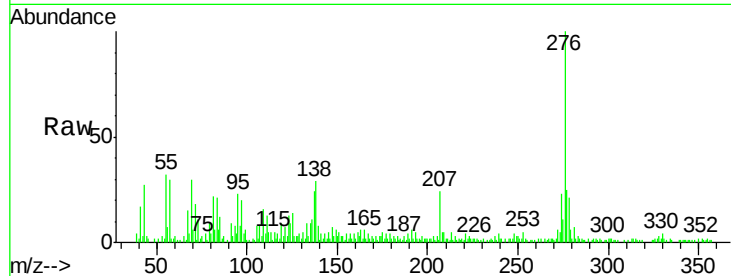




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.87 ng
 RT: 16.56 min Scan# 1301
 Delta R.T. -0.01 min
 Lab File: BF091040.D
 Acq: 5 Nov 2016 00:19

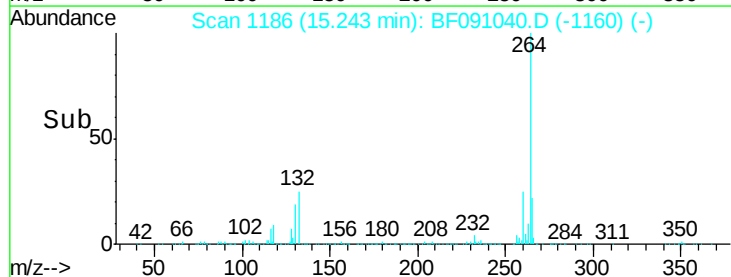
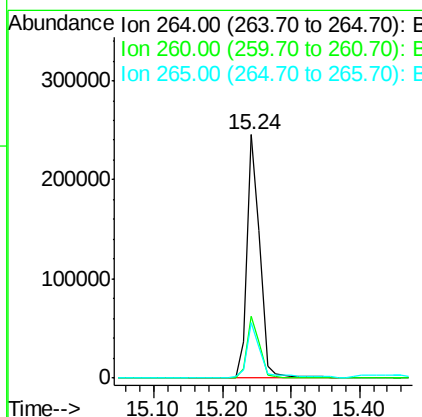
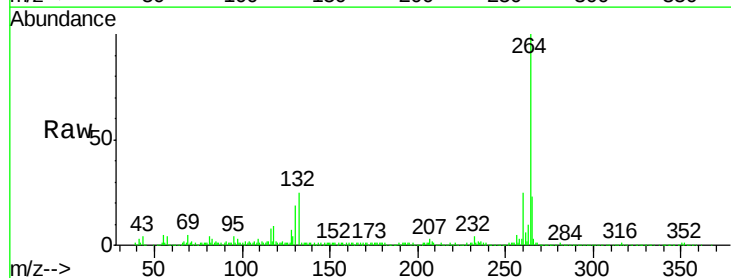
Instrument :
 BNA_F
 ClientSampleId :
 SB-108-0.5-1.0

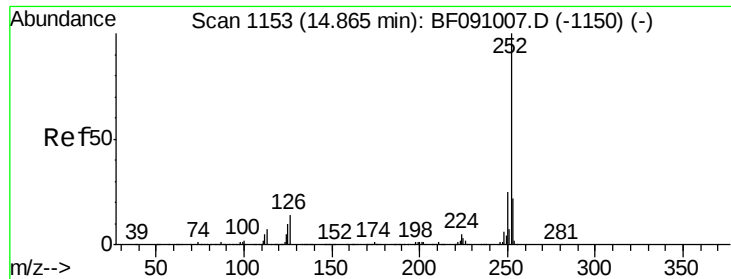
Tgt Ion	Ratio	Lower	Upper
276	100		
138	28.7	26.0	39.0
277	24.8	20.1	30.1



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.24 min Scan# 1186
 Delta R.T. 0.00 min
 Lab File: BF091040.D
 Acq: 5 Nov 2016 00:19

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.2	20.6	30.8
265	22.6	17.8	26.8





#87

Benzo(b)fluoranthene

Concen: 10.24 ng

RT: 14.85 min Scan# 1152

Delta R.T. -0.01 min

Lab File: BF091040.D

Acq: 5 Nov 2016 00:19

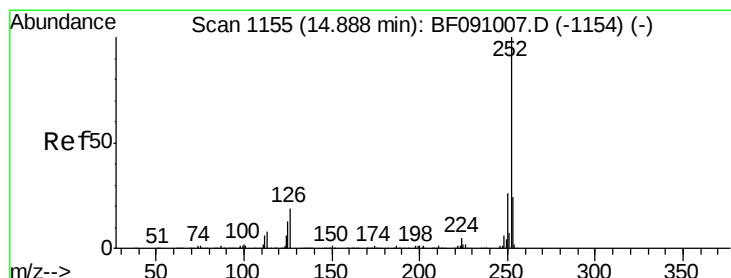
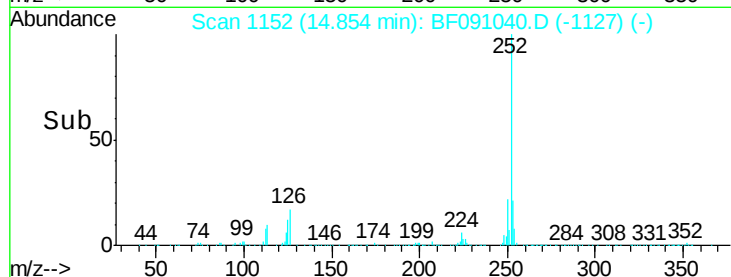
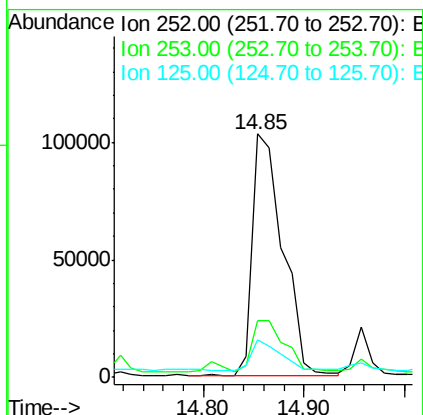
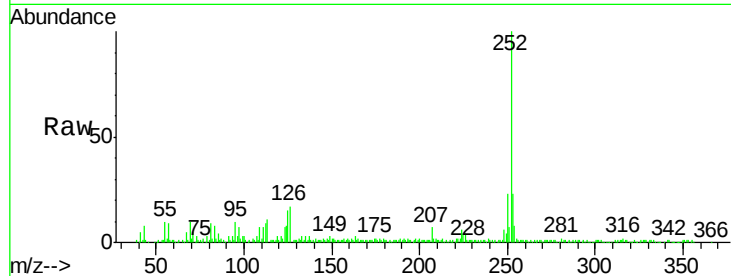
Instrument :

BNA_F

ClientSampleId :

SB-108-0.5-1.0

Tgt Ion:	252	Resp:	216634
Ion Ratio	Lower	Upper	
252	100		
253	23.4	18.0	27.0
125	15.3	8.3	12.5#



#88

Benzo(k)fluoranthene

Concen: 11.67 ng

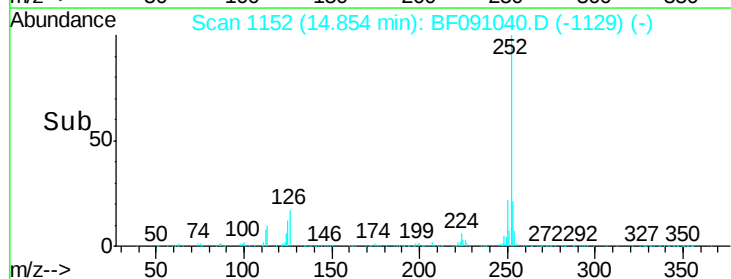
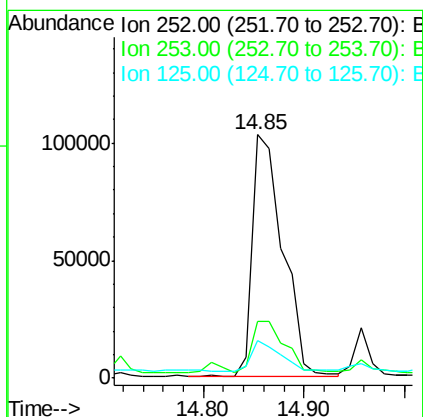
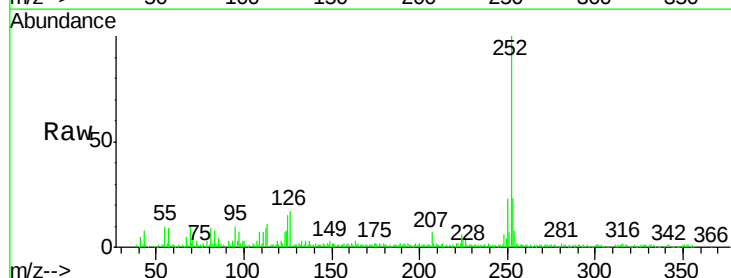
RT: 14.85 min Scan# 1152

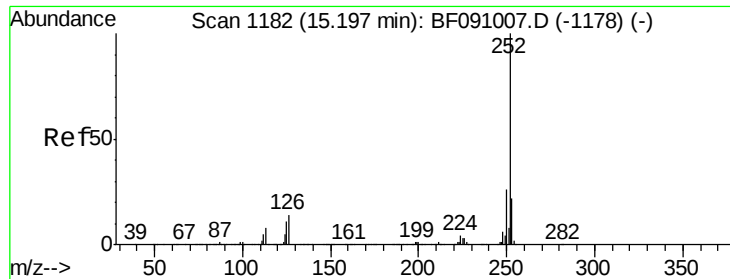
Delta R.T. -0.03 min

Lab File: BF091040.D

Acq: 5 Nov 2016 00:19

Tgt Ion:	252	Resp:	216634
Ion Ratio	Lower	Upper	
252	100		
253	23.4	18.6	28.0
125	15.3	11.2	16.8





#89

Benzo(a)pyrene

Concen: 5.05 ng

RT: 15.19 min Scan# 1181

Delta R.T. -0.01 min

Lab File: BF091040.D

Acq: 5 Nov 2016 00:19

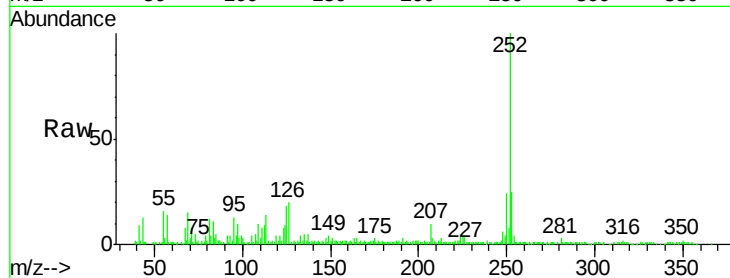
Instrument :

BNA_F

ClientSampleId :

SB-108-0.5-1.0

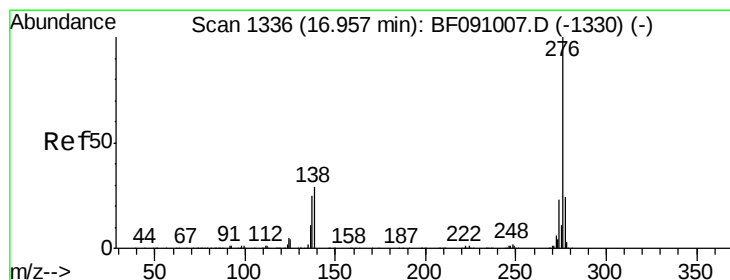
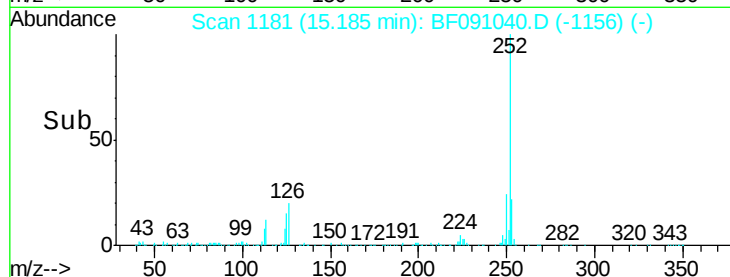
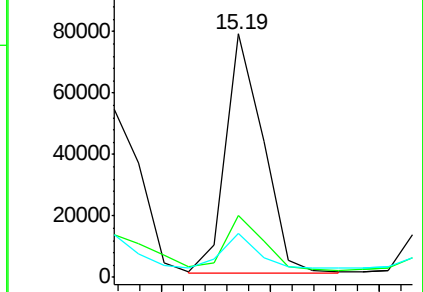
Tgt Ion:	252	Resp:	93087
Ion Ratio		Lower	Upper
252	100		
253	25.2	17.8	26.8
125	18.3	8.6	13.0#



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



#91

Benzo(g,h,i)perylene

Concen: 3.54 ng

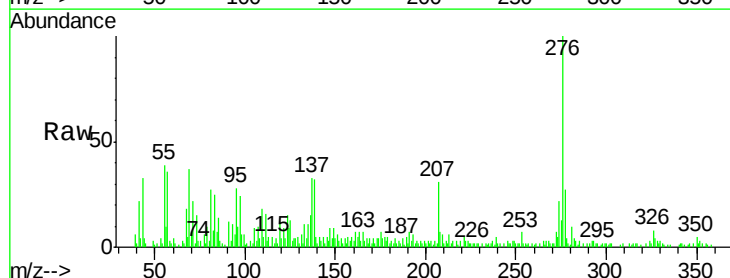
RT: 16.95 min Scan# 1335

Delta R.T. -0.01 min

Lab File: BF091040.D

Acq: 5 Nov 2016 00:19

Tgt Ion:	276	Resp:	51023
Ion Ratio		Lower	Upper
276	100		
277	26.7	19.2	28.8
138	32.2	23.3	34.9



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

