

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110716\
 Data File : BF091063.D
 Acq On : 7 Nov 2016 18:33
 Operator : UM/SJ
 Sample : H5543-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-109-0.5-1.0

Quant Time: Nov 07 23:56:42 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	6.67	152	185946	20.00	ng	-0.03
21) Naphthalene-d8	7.95	136	721032	20.00	ng	-0.05
38) Acenaphthene-d10	9.71	164	411903	20.00	ng	-0.03
63) Phenanthrene-d10	11.20	188	650256	20.00	ng	-0.03
75) Chrysene-d12	13.83	240	410037	20.00	ng	-0.03
86) Perylene-d12	15.21	264	372981	20.00	ng	-0.03

System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	1153529	102.46	ng	-0.02
7) Phenol-d6	6.33	99	1761183	115.25	ng	-0.02
23) Nitrobenzene-d5	7.24	82	1023646	77.45	ng	-0.03
41) 2,4,6-Tribromophenol	10.50	330	257114	69.04	ng	-0.03
44) 2-Fluorobiphenyl	9.04	172	1409134	58.90	ng	-0.03
78) Terphenyl-d14	12.78	244	1345198	81.87	ng	-0.02

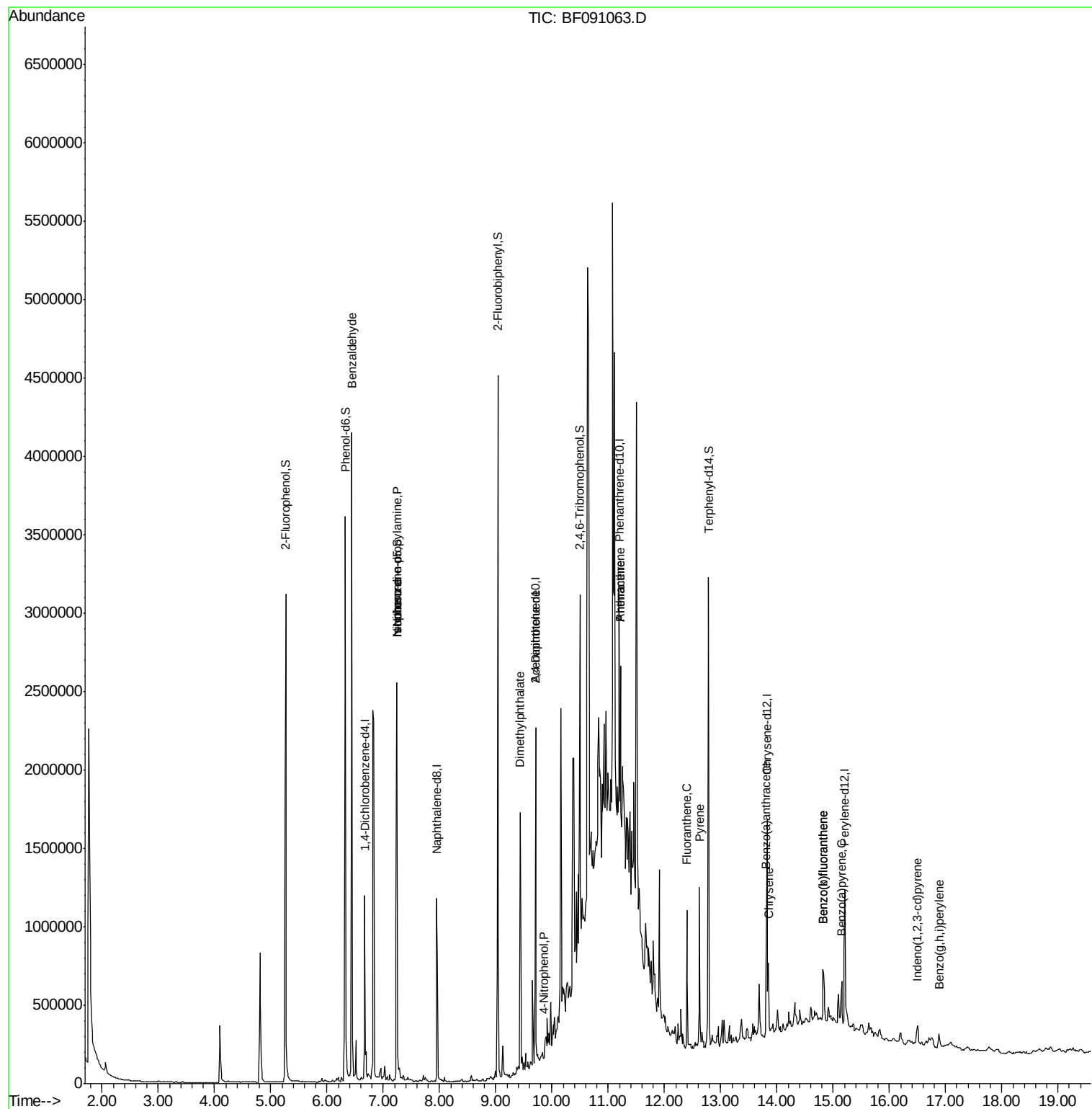
Target Compounds				Qvalue		
9) Benzaldehyde	6.44	77	31316	3.69	ng	89
19) n-Nitroso-di-n-propylamine	7.24	70	146420	13.83	ng	# 74
25) Isophorone	7.24	82	991782	38.94	ng	# 67
49) Dimethylphthalate	9.44	163	574477	21.27	ng	99
55) 4-Nitrophenol	9.85	139	1491	6.04	ng	# 1
56) 2,4-Dinitrotoluene	9.71	165	57930	7.87	ng	# 26
70) Phenanthrene	11.22	178	304952	8.82	ng	98
71) Anthracene	11.22	178	304952	8.30	ng	99
74) Fluoranthene	12.40	202	387649	10.81	ng	98
77) Pyrene	12.62	202	379264	14.12	ng	98
80) Benzo(a)anthracene	13.81	228	182334	7.83	ng	97
82) Chrysene	13.85	228	131610	5.73	ng	98
85) Indeno(1,2,3-cd)pyrene	16.50	276	79576	4.18	ng	# 91
87) Benzo(b)fluoranthene	14.82	252	237020	9.37	ng	# 93
88) Benzo(k)fluoranthene	14.82	252	237020	10.68	ng	# 95
89) Benzo(a)pyrene	15.15	252	126408	5.74	ng	# 94
91) Benzo(g,h,i)perylene	16.89	276	73084	4.24	ng	95

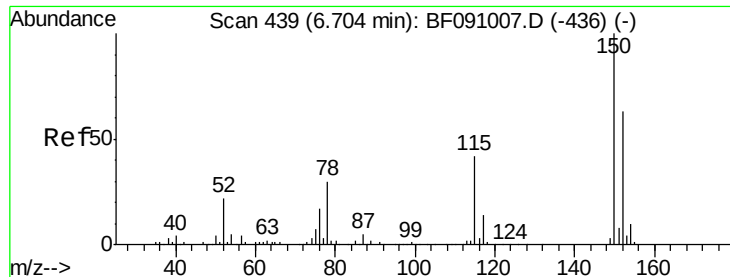
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110716\
Data File : BF091063.D
Acq On : 7 Nov 2016 18:33
Operator : UM/SJ
Sample : H5543-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-109-0.5-1.0

Quant Time: Nov 07 23:56:42 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





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.67 min Scan# 436

Delta R.T. -0.03 min

Lab File: BF091063.D

Acq: 7 Nov 2016 18:33

Instrument :

BNA_F

ClientSampleId :

SB-109-0.5-1.0

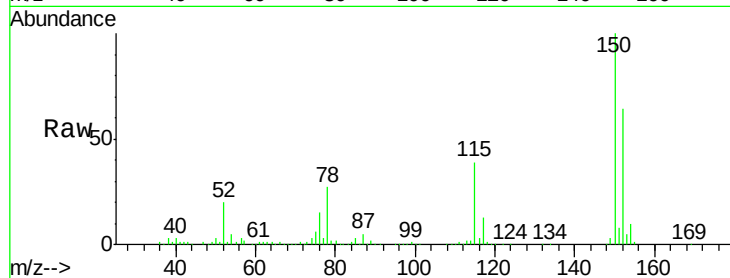
Tgt Ion:152 Resp: 185946

Ion Ratio Lower Upper

152 100

150 156.5 126.8 190.2

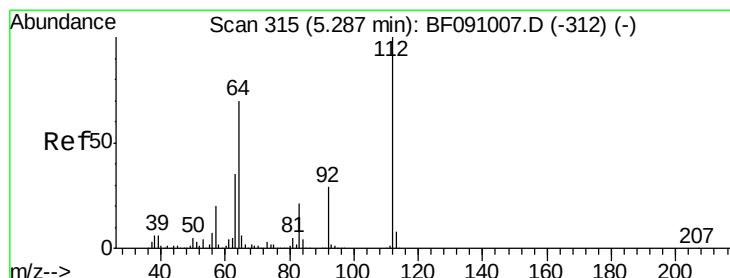
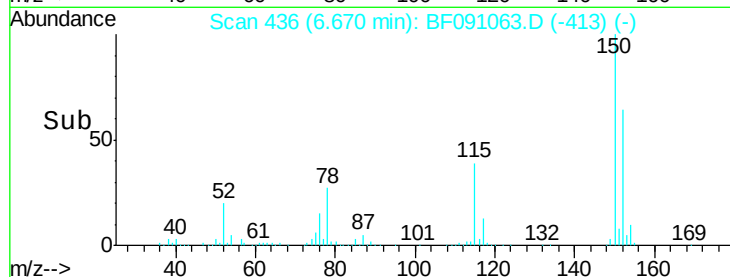
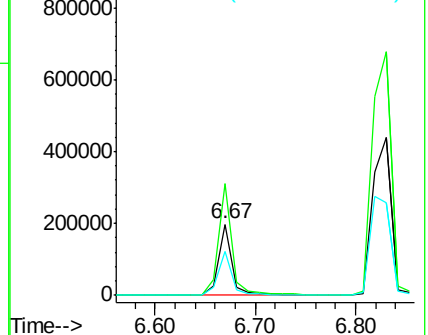
115 61.4 53.3 79.9



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



#5

2-Fluorophenol

Concen: 102.46 ng

RT: 5.26 min Scan# 313

Delta R.T. -0.02 min

Lab File: BF091063.D

Acq: 7 Nov 2016 18:33

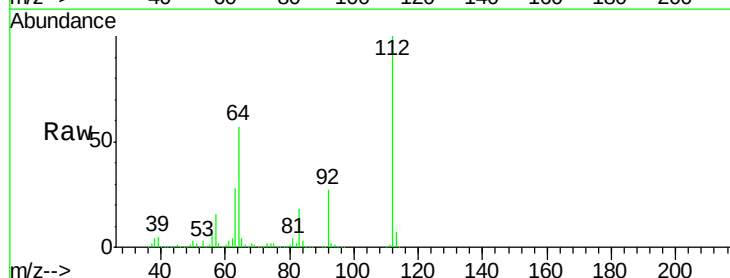
Tgt Ion:112 Resp: 1153529

Ion Ratio Lower Upper

112 100

64 56.6 55.8 83.6

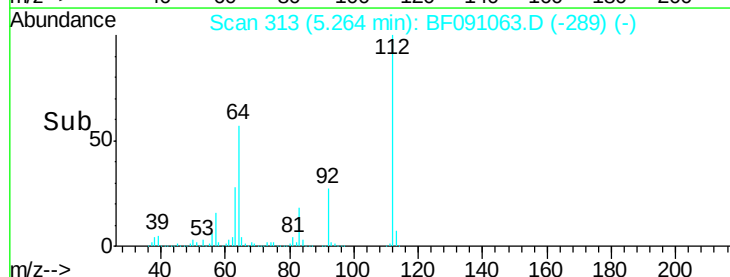
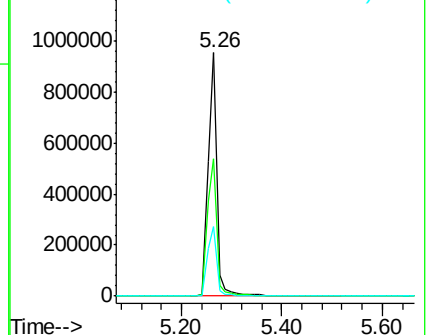
63 28.4 28.0 42.0

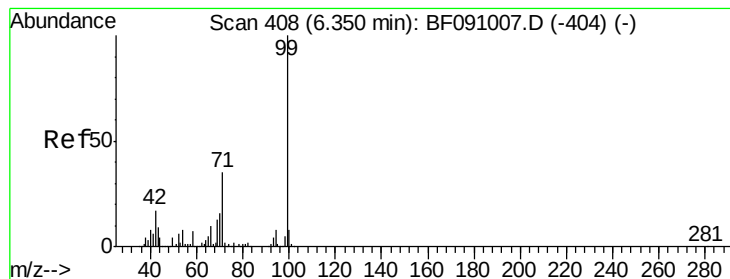


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 115.25 ng

RT: 6.33 min Scan# 406

Delta R.T. -0.02 min

Lab File: BF091063.D

Acq: 7 Nov 2016 18:33

Instrument :

BNA_F

ClientSampleId :

SB-109-0.5-1.0

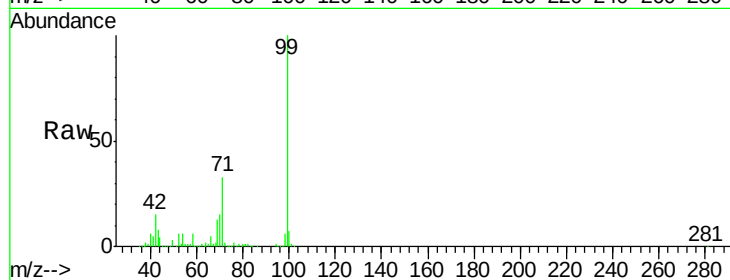
Tgt Ion: 99 Resp: 1761183

Ion Ratio Lower Upper

99 100

42 14.9 13.9 20.9

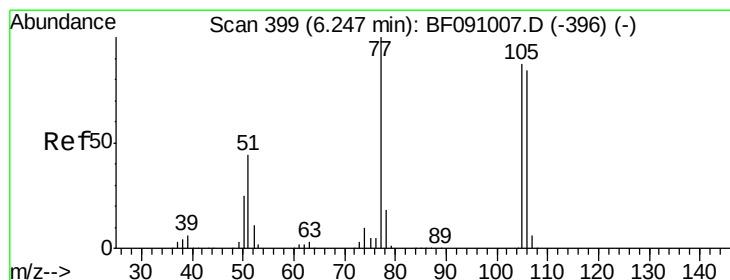
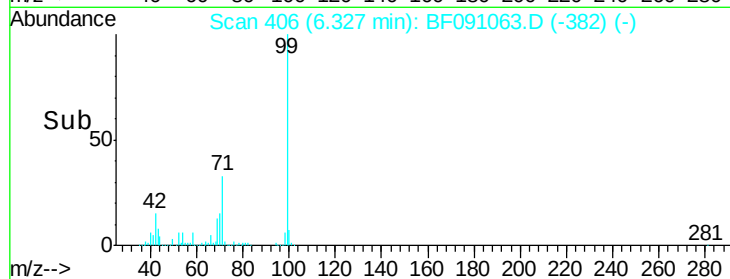
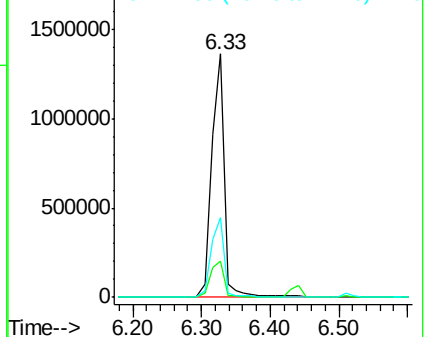
71 32.6 27.8 41.8



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: 3.69 ng

RT: 6.44 min Scan# 416

Delta R.T. 0.19 min

Lab File: BF091063.D

Acq: 7 Nov 2016 18:33

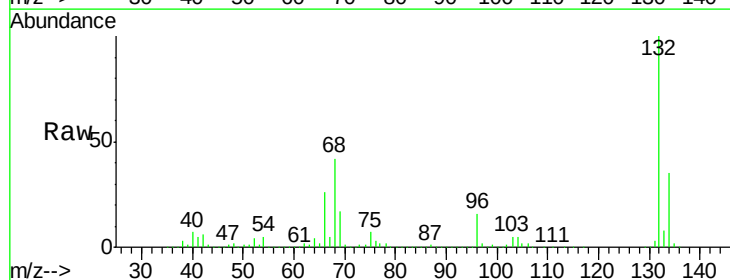
Tgt Ion: 77 Resp: 31316

Ion Ratio Lower Upper

77 100

105 80.6 66.8 106.8

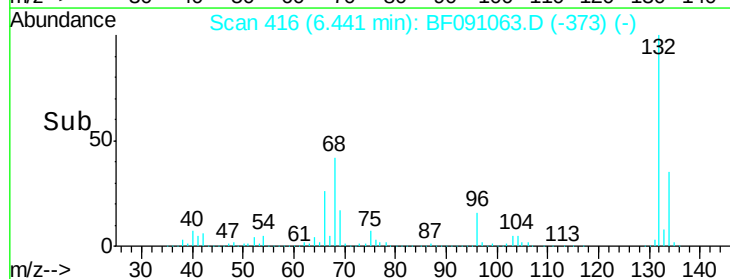
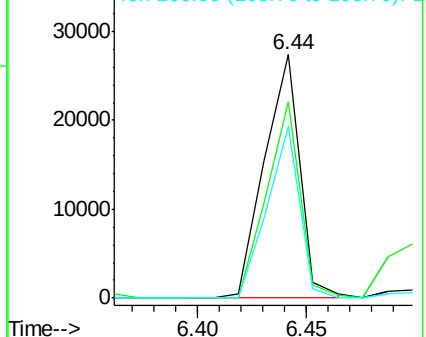
106 70.4 64.0 104.0

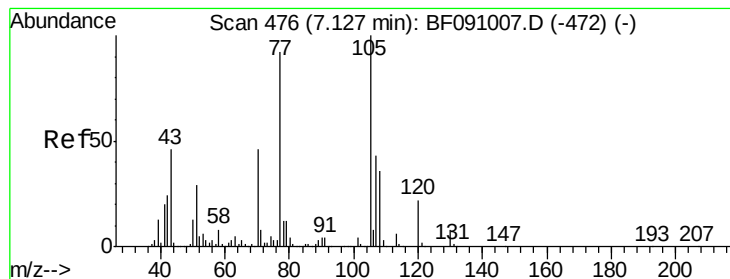


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B





#19

n-Nitroso-di-n-propylamine

Concen: 13.83 ng

RT: 7.24 min Scan# 486

Delta R.T. 0.11 min

Lab File: BF091063.D

Acq: 7 Nov 2016 18:33

Instrument :

BNA_F

ClientSampleId :

SB-109-0.5-1.0

Tgt Ion: 70 Resp: 146420

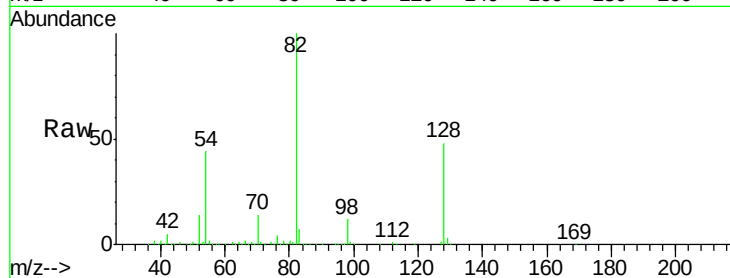
Ion Ratio Lower Upper

70 100

42 35.8 41.7 62.5#

101 0.0 6.7 10.1#

130 2.4 13.8 20.8#

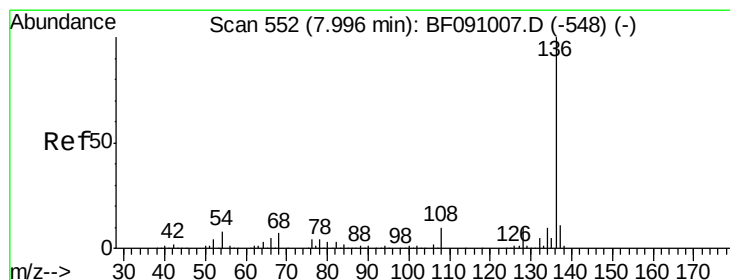
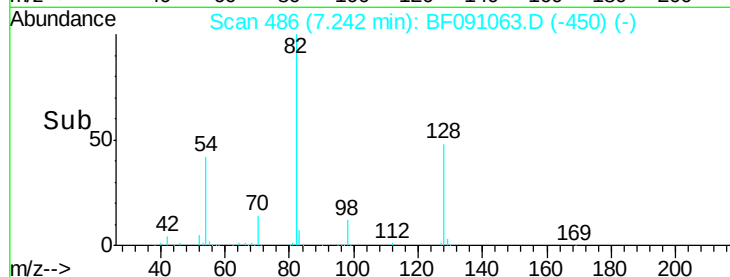
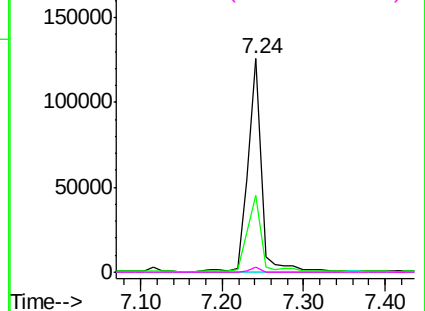


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.95 min Scan# 548

Delta R.T. -0.05 min

Lab File: BF091063.D

Acq: 7 Nov 2016 18:33

Tgt Ion: 136 Resp: 721032

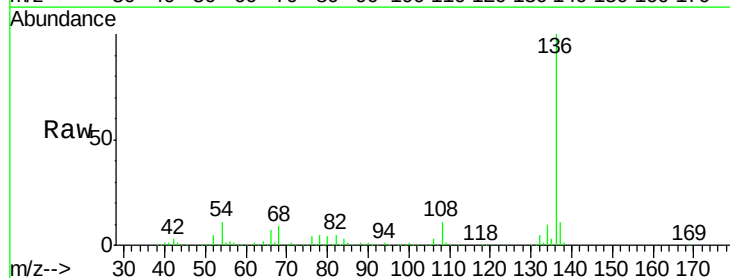
Ion Ratio Lower Upper

136 100

137 11.4 8.9 13.3

54 10.8 6.2 9.2#

68 9.2 5.5 8.3#

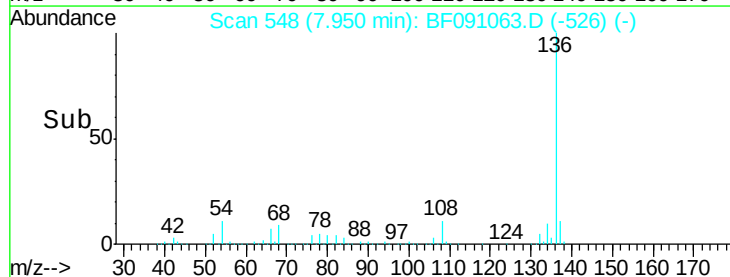
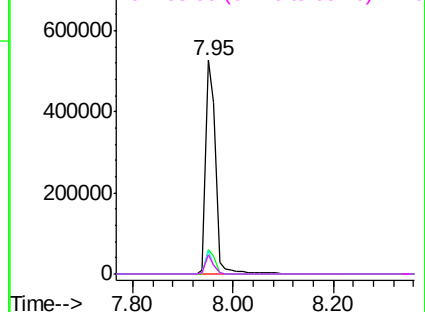


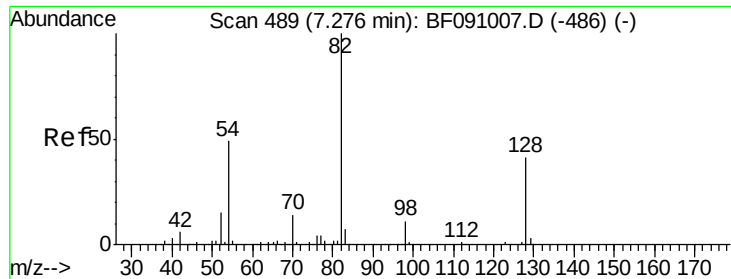
Abundance Ion 136.00 (135.70 to 136.70): E

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

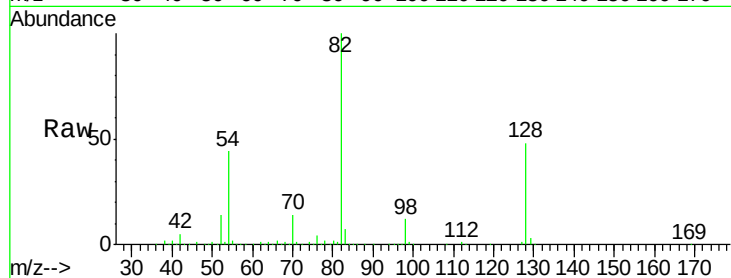




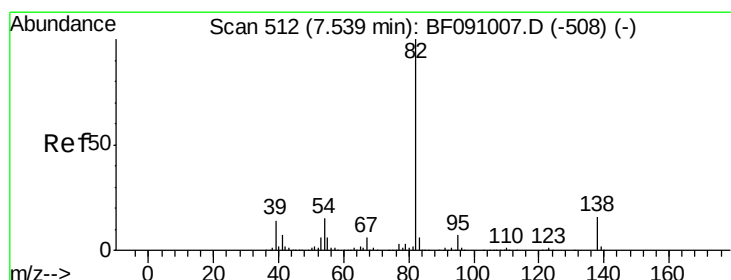
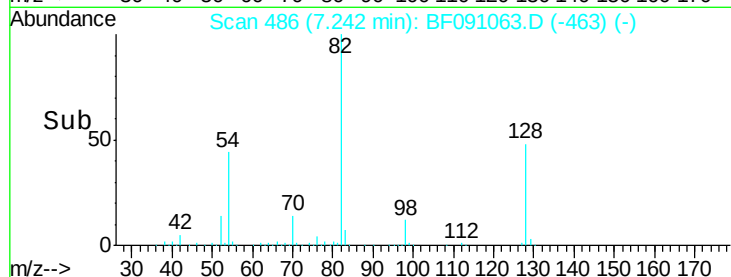
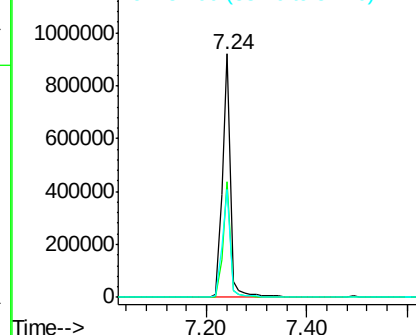
#23
 Nitrobenzene-d5
 Concen: 77.45 ng
 RT: 7.24 min Scan# 486
 Delta R.T. -0.03 min
 Lab File: BF091063.D
 Acq: 7 Nov 2016 18:33

Instrument :
 BNA_F
 ClientSampleId :
 SB-109-0.5-1.0

Tgt Ion: 82 Resp: 1023646
 Ion Ratio Lower Upper
 82 100
 128 47.6 32.4 48.6
 54 44.1 39.2 58.8

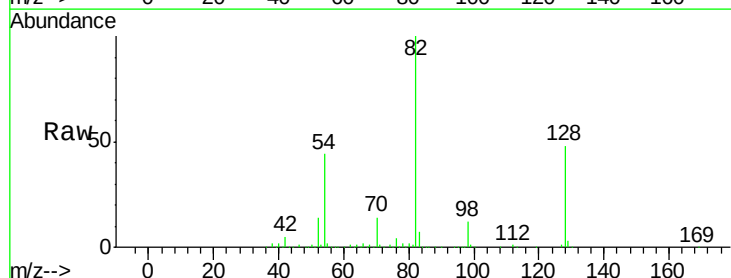


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

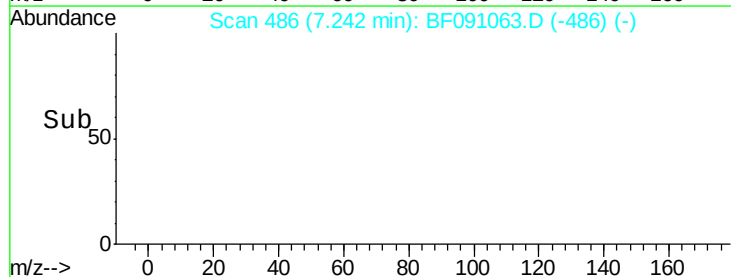
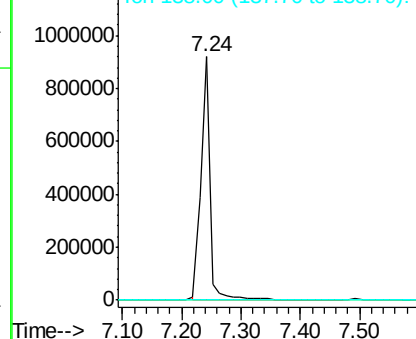


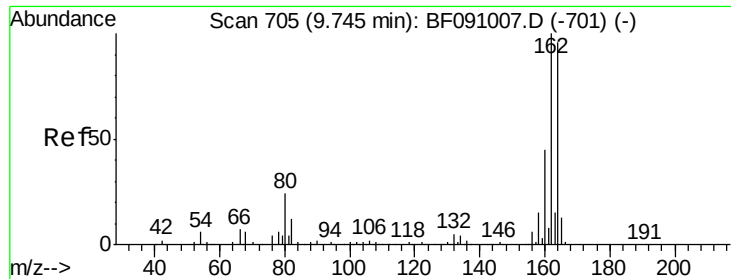
#25
 Isophorone
 Concen: 38.94 ng
 RT: 7.24 min Scan# 486
 Delta R.T. -0.30 min
 Lab File: BF091063.D
 Acq: 7 Nov 2016 18:33

Tgt Ion: 82 Resp: 991782
 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





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.71 min Scan# 702

Delta R.T. -0.03 min

Lab File: BF091063.D

Acq: 7 Nov 2016 18:33

Instrument :

BNA_F

ClientSampleId :

SB-109-0.5-1.0

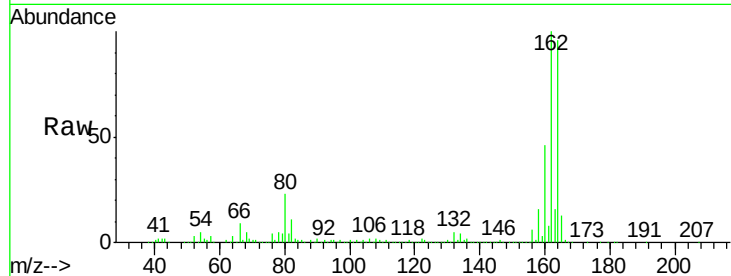
Tgt Ion:164 Resp: 411903

Ion Ratio Lower Upper

164 100

162 104.5 83.6 125.4

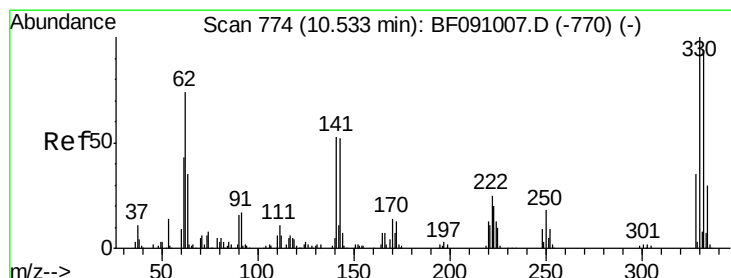
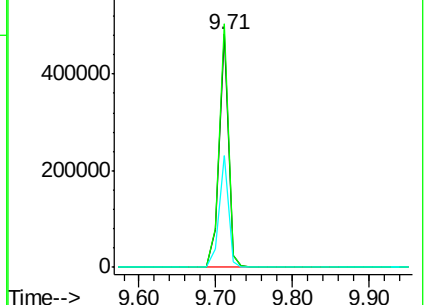
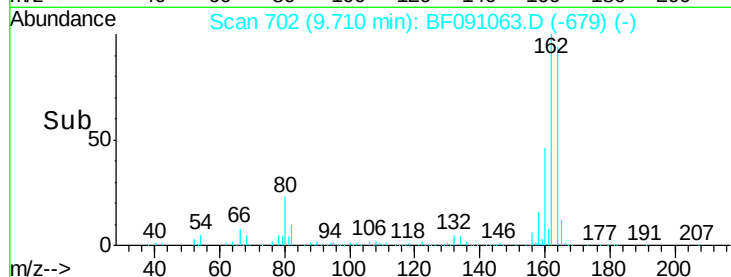
160 47.8 37.9 56.9



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: 69.04 ng

RT: 10.50 min Scan# 771

Delta R.T. -0.03 min

Lab File: BF091063.D

Acq: 7 Nov 2016 18:33

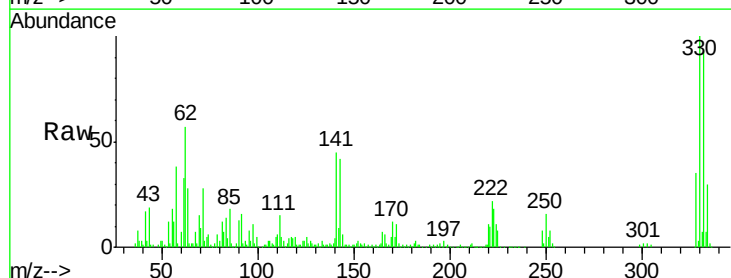
Tgt Ion:330 Resp: 257114

Ion Ratio Lower Upper

330 100

332 94.9 75.9 113.9

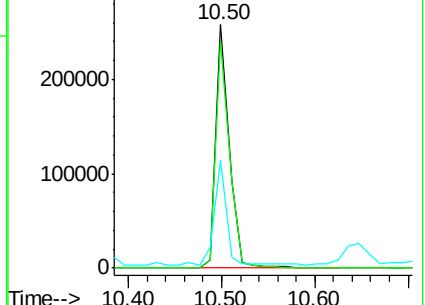
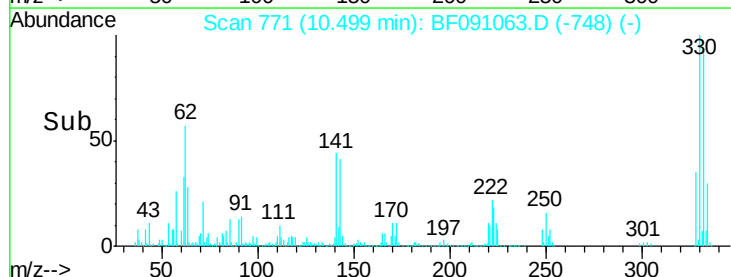
141 42.0 36.1 54.1

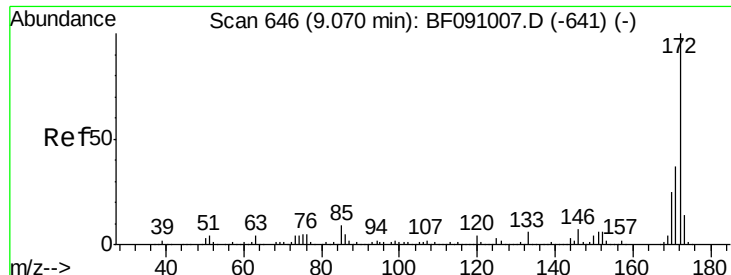


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

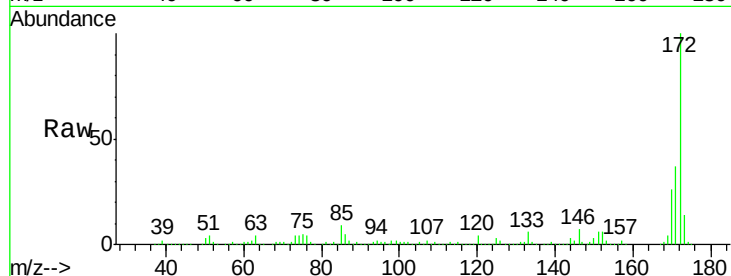




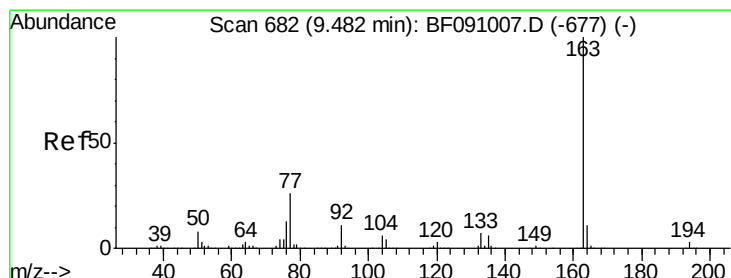
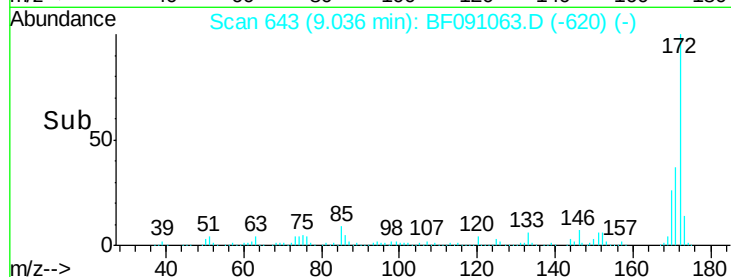
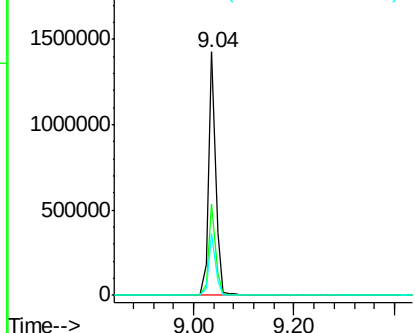
#44
2-Fluorobiphenyl
Concen: 58.90 ng
RT: 9.04 min Scan# 643
Delta R.T. -0.03 min
Lab File: BF091063.D
Acq: 7 Nov 2016 18:33

Instrument :
BNA_F
ClientSampleId :
SB-109-0.5-1.0

Tgt Ion:172 Resp: 1409134
Ion Ratio Lower Upper
172 100
171 37.3 29.8 44.6
170 25.5 20.3 30.5

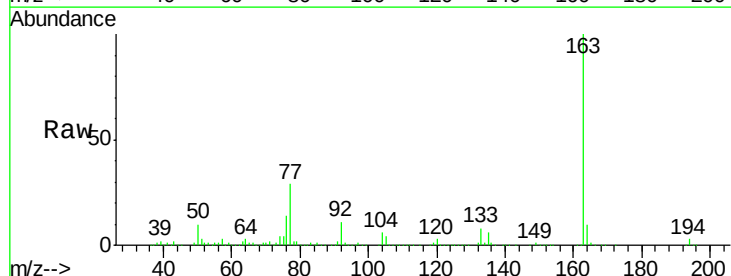


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

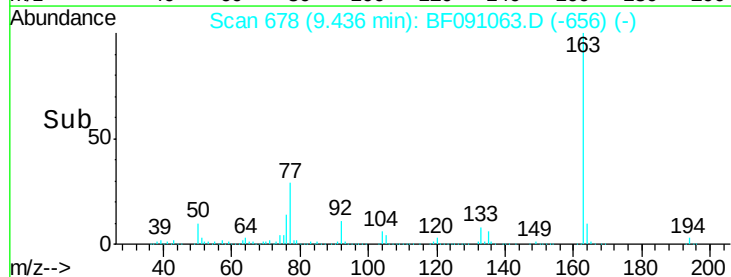
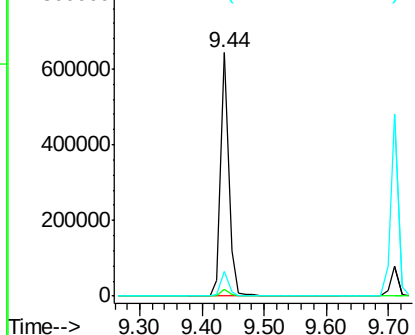


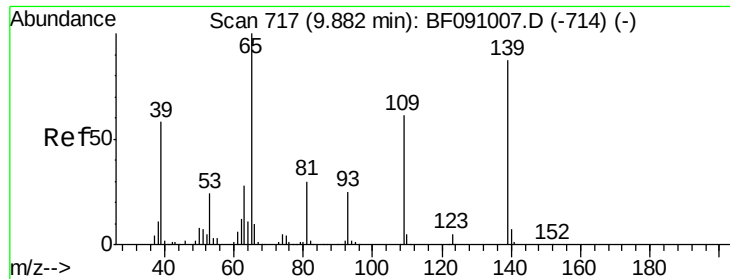
#49
Dimethylphthalate
Concen: 21.27 ng
RT: 9.44 min Scan# 678
Delta R.T. -0.05 min
Lab File: BF091063.D
Acq: 7 Nov 2016 18:33

Tgt Ion:163 Resp: 574477
Ion Ratio Lower Upper
163 100
194 2.9 2.6 4.0
164 10.4 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: 6.04 ng

RT: 9.85 min Scan# 714

Delta R.T. -0.03 min

Lab File: BF091063.D

Acq: 7 Nov 2016 18:33

Instrument :

BNA_F

ClientSampleId :

SB-109-0.5-1.0

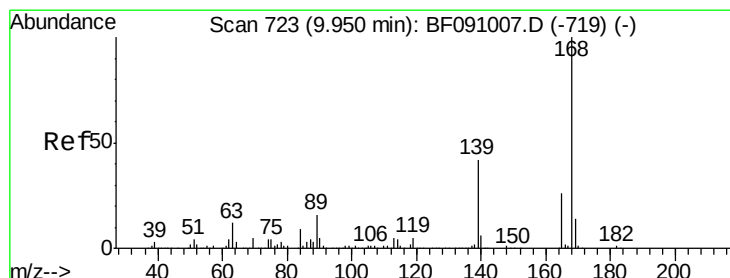
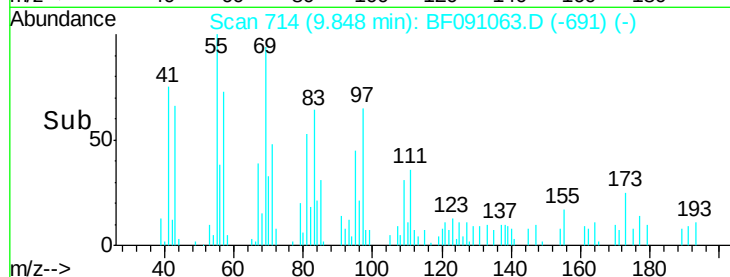
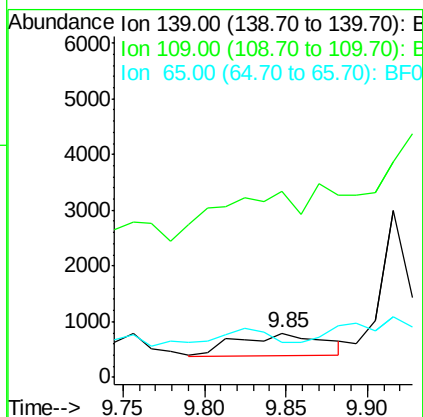
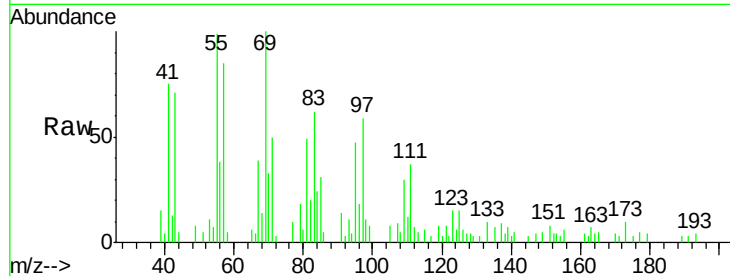
Tgt Ion:139 Resp: 1491

Ion Ratio Lower Upper

139 100

109 420.3 50.5 90.5#

65 80.3 97.1 137.1#



#56

2,4-Dinitrotoluene

Concen: 7.87 ng

RT: 9.71 min Scan# 702

Delta R.T. -0.24 min

Lab File: BF091063.D

Acq: 7 Nov 2016 18:33

Tgt Ion:165 Resp: 57930

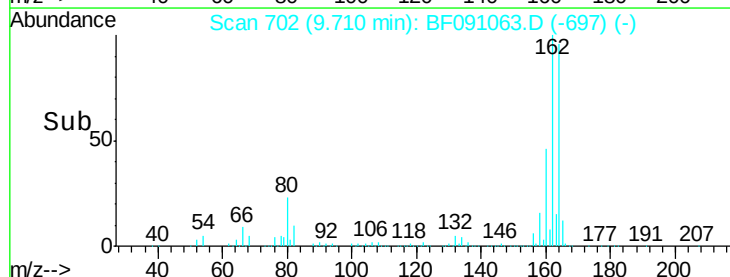
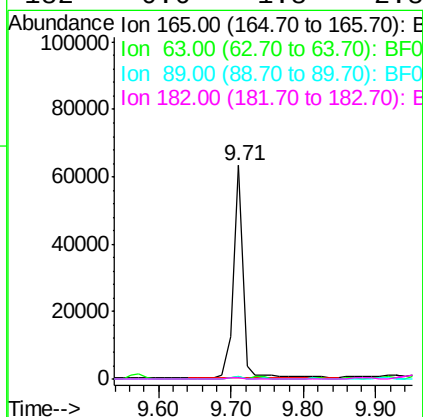
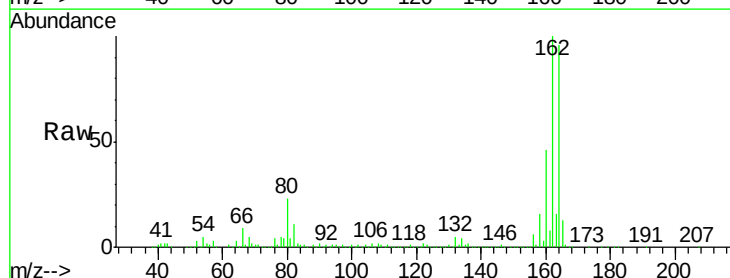
Ion Ratio Lower Upper

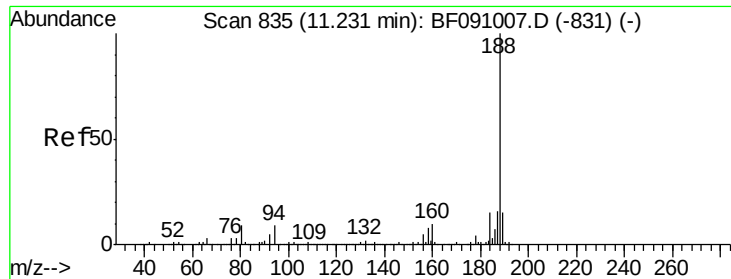
165 100

63 1.0 38.7 58.1#

89 1.2 50.6 76.0#

182 0.6 1.8 2.8#

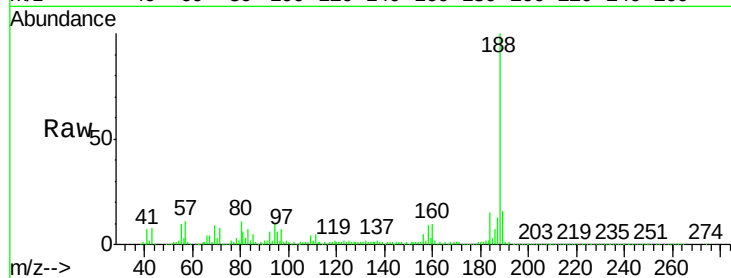




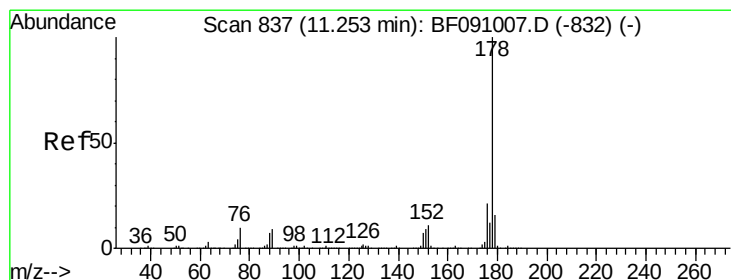
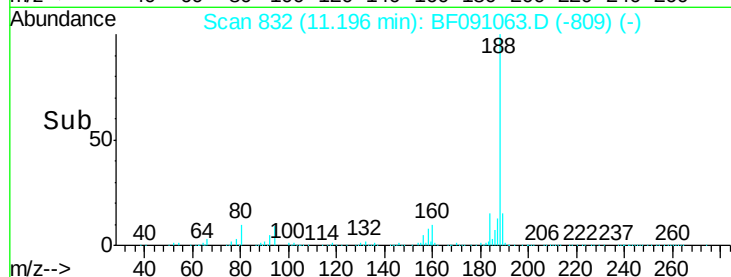
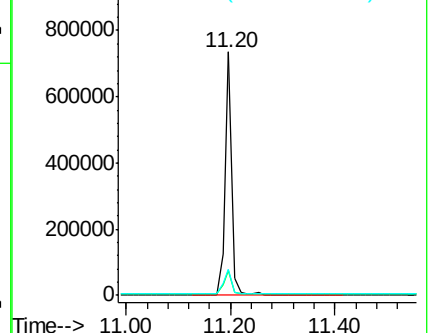
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.20 min Scan# 832
Delta R.T. -0.03 min
Lab File: BF091063.D
Acq: 7 Nov 2016 18:33

Instrument :
BNA_F
ClientSampleId :
SB-109-0.5-1.0

Tgt Ion:188 Resp: 650256
Ion Ratio Lower Upper
188 100
94 10.0 7.0 10.4
80 10.9 7.5 11.3

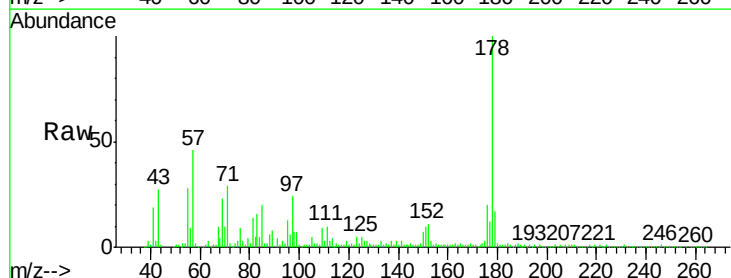


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

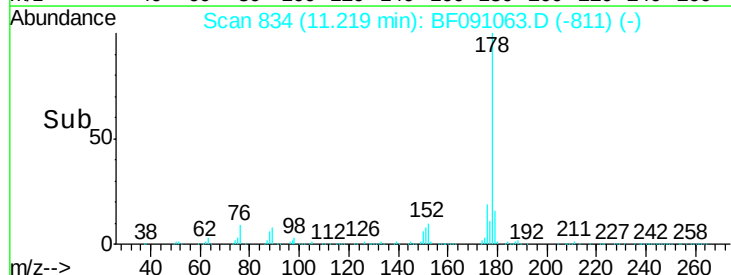
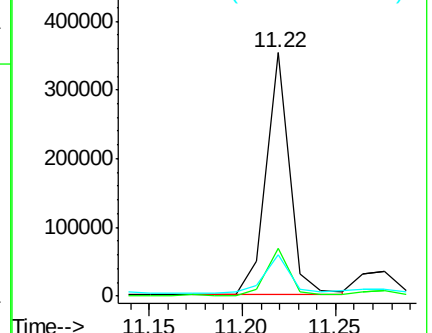


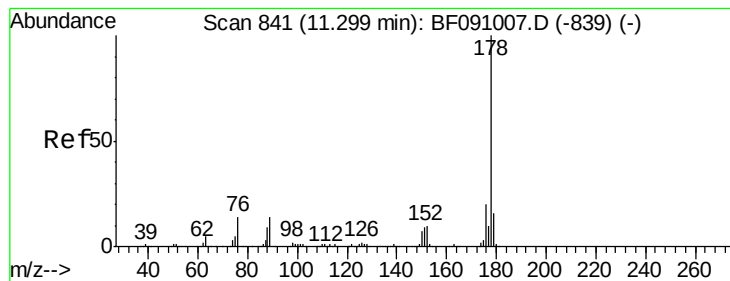
#70
Phenanthrene
Concen: 8.82 ng
RT: 11.22 min Scan# 834
Delta R.T. -0.03 min
Lab File: BF091063.D
Acq: 7 Nov 2016 18:33

Tgt Ion:178 Resp: 304952
Ion Ratio Lower Upper
178 100
176 19.6 16.6 25.0
179 16.9 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





#71

Anthracene

Concen: 8.30 ng

RT: 11.22 min Scan# 834

Delta R.T. -0.08 min

Lab File: BF091063.D

Acq: 7 Nov 2016 18:33

Instrument :

BNA_F

ClientSampleId :

SB-109-0.5-1.0

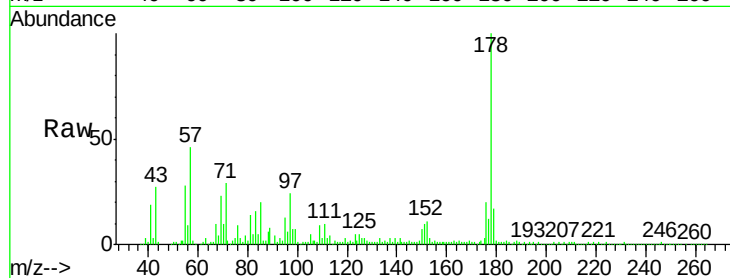
Tgt Ion:178 Resp: 304952

Ion Ratio Lower Upper

178 100

176 19.6 16.0 24.0

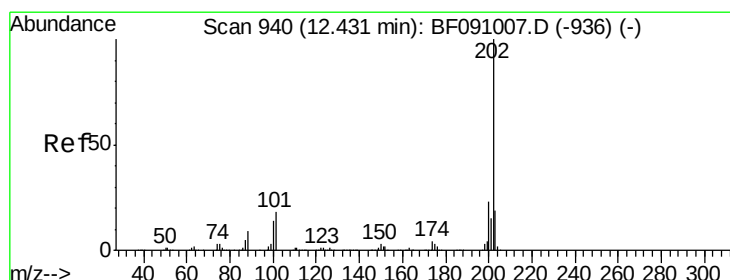
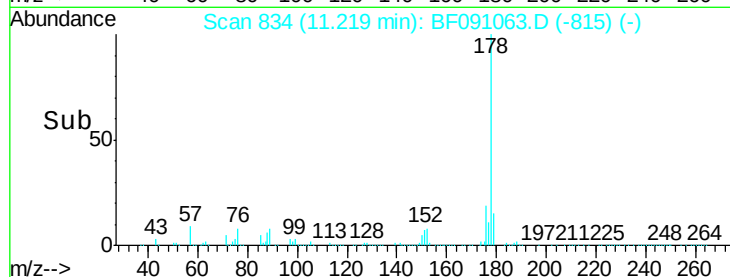
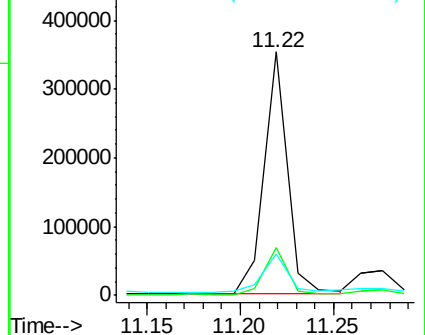
179 16.9 13.0 19.6



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: 10.81 ng

RT: 12.40 min Scan# 937

Delta R.T. -0.03 min

Lab File: BF091063.D

Acq: 7 Nov 2016 18:33

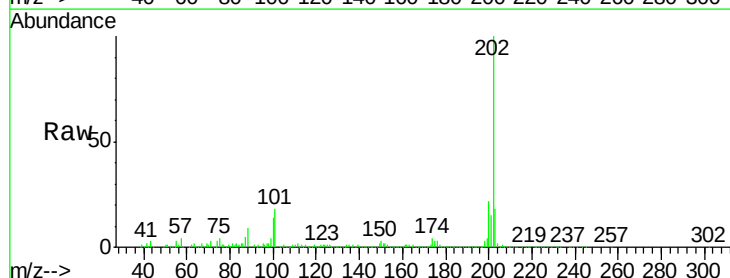
Tgt Ion:202 Resp: 387649

Ion Ratio Lower Upper

202 100

101 18.4 0.0 37.6

203 18.0 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

