

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110716\
 Data File : BF091066.D
 Acq On : 7 Nov 2016 19:55
 Operator : UM/SJ
 Sample : H5543-07
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-112-0.5-1.0

Quant Time: Nov 07 23:57:44 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	180619	20.00	ng	-0.03
21) Naphthalene-d8	7.96	136	740499	20.00	ng	-0.03
38) Acenaphthene-d10	9.71	164	316515	20.00	ng	-0.03
63) Phenanthrene-d10	11.20	188	502326	20.00	ng	-0.03
75) Chrysene-d12	13.83	240	430713	20.00	ng	-0.03
86) Perylene-d12	15.21	264	376862	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.28	112	1388265	126.94	ng	-0.01
7) Phenol-d6	6.33	99	1737202	117.03	ng	-0.02
23) Nitrobenzene-d5	7.24	82	720965	53.11	ng	-0.03
41) 2,4,6-Tribromophenol	10.51	330	207575	72.54	ng	-0.02
44) 2-Fluorobiphenyl	9.05	172	1662371	90.42	ng	-0.02
78) Terphenyl-d14	12.79	244	1354060	78.45	ng	-0.02

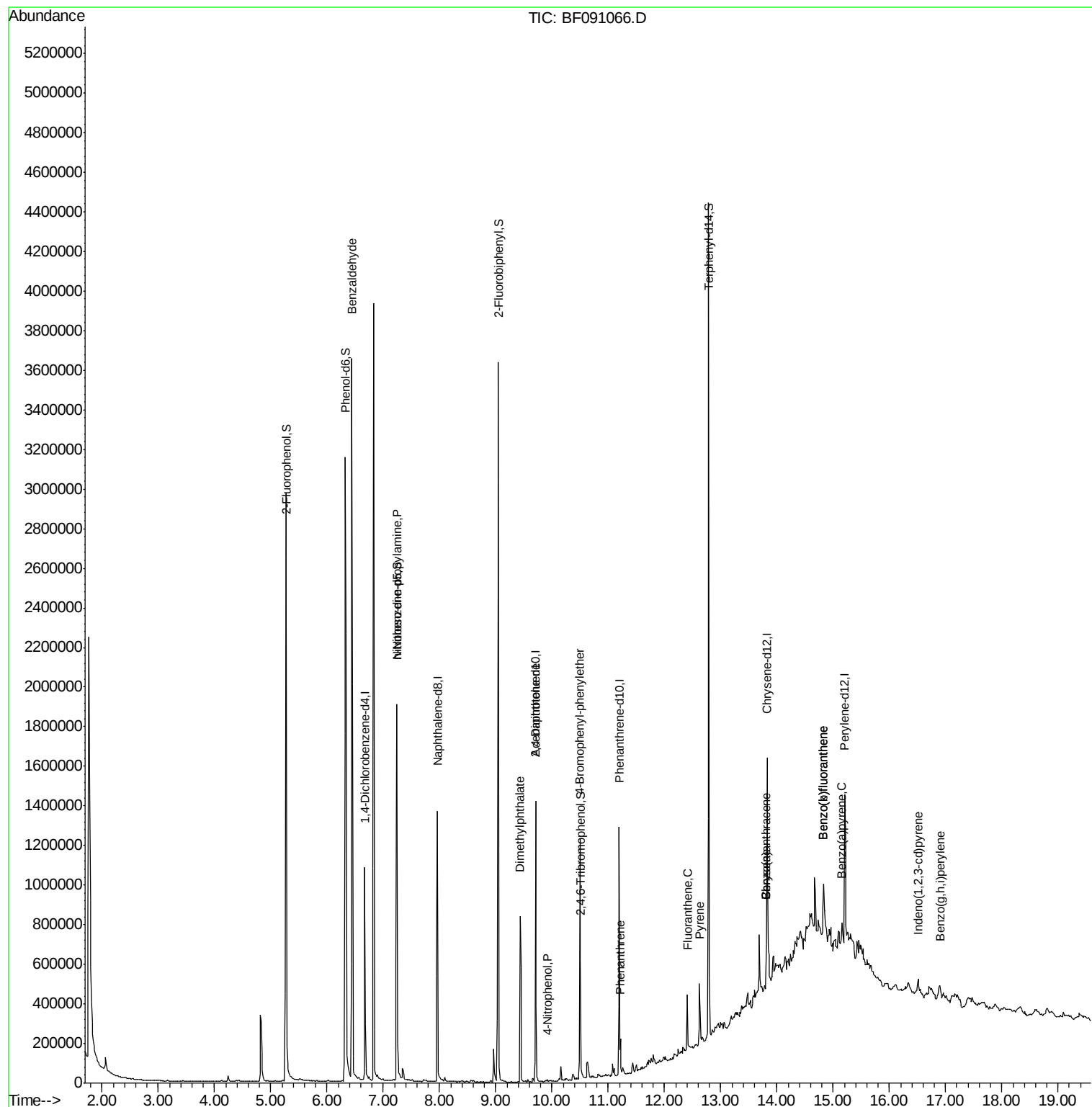
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.44	77	28660	3.48	ng	85
19) n-Nitroso-di-n-propylamine	7.24	70	98187	9.55	ng	# 74
49) Dimethylphthalate	9.44	163	517149	24.92	ng	99
55) 4-Nitrophenol	9.92	139	687	5.91	ng	# 24
56) 2,4-Dinitrotoluene	9.71	165	42551	7.52	ng	# 26
66) 4-Bromophenyl-phenylether	10.50	248	12451	2.38	ng	# 1
70) Phenanthrene	11.22	178	68799	2.58	ng	97
74) Fluoranthene	12.41	202	155436	5.61	ng	90
77) Pyrene	12.63	202	142606	5.06	ng	97
80) Benzo(a)anthracene	13.81	228	99382	4.06	ng	98
82) Chrysene	13.81	228	99382	4.12	ng	95
85) Indeno(1,2,3-cd)pyrene	16.51	276	48440	2.42	ng	# 89
87) Benzo(b)fluoranthene	14.83	252	164421	6.43	ng	# 92
88) Benzo(k)fluoranthene	14.83	252	164421	7.33	ng	# 95
89) Benzo(a)pyrene	15.15	252	83078	3.73	ng	# 85
91) Benzo(g,h,i)perylene	16.90	276	42913	2.47	ng	93

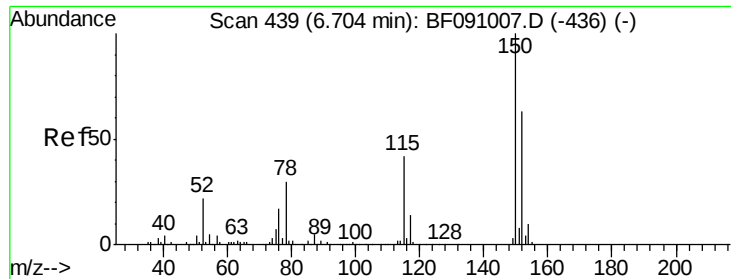
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.67 min Scan# 436

Delta R.T. -0.03 min

Lab File: BF091066.D

Acq: 7 Nov 2016 19:55

Instrument :

BNA_F

ClientSampleId :

SB-112-0.5-1.0

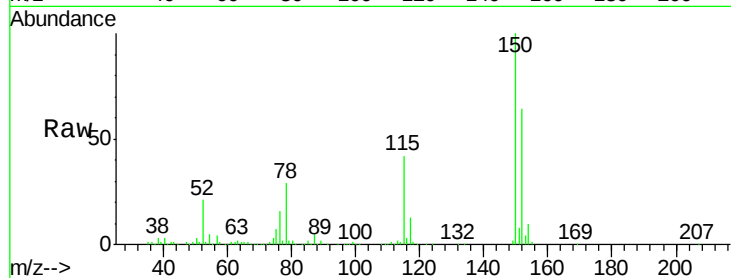
Tgt Ion:152 Resp: 180619

Ion Ratio Lower Upper

152 100

150 157.0 126.8 190.2

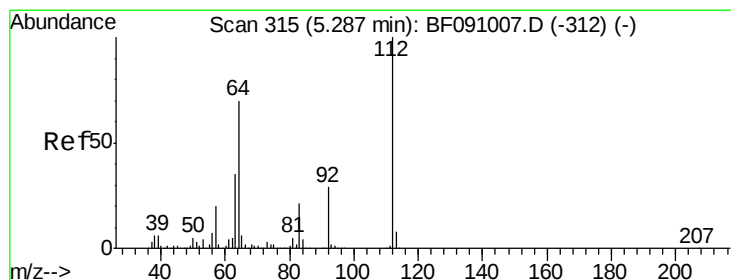
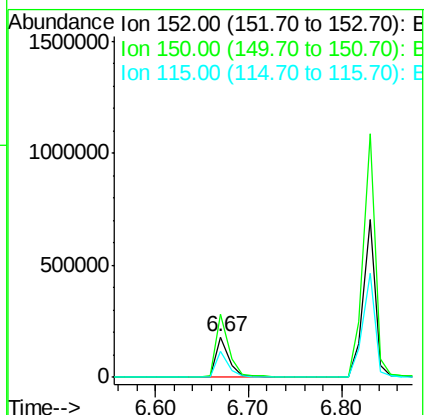
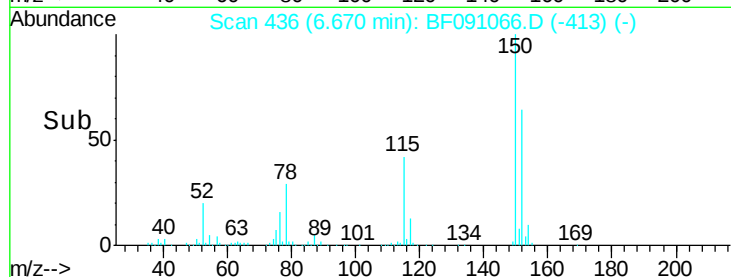
115 66.2 53.3 79.9



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: 126.94 ng

RT: 5.28 min Scan# 314

Delta R.T. -0.01 min

Lab File: BF091066.D

Acq: 7 Nov 2016 19:55

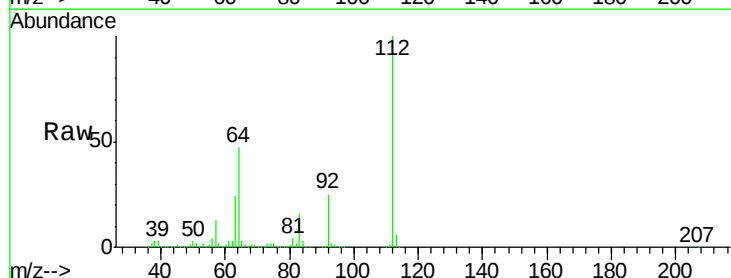
Tgt Ion:112 Resp: 1388265

Ion Ratio Lower Upper

112 100

64 47.2 55.8 83.6#

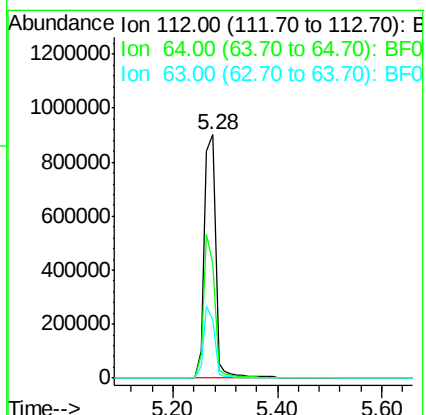
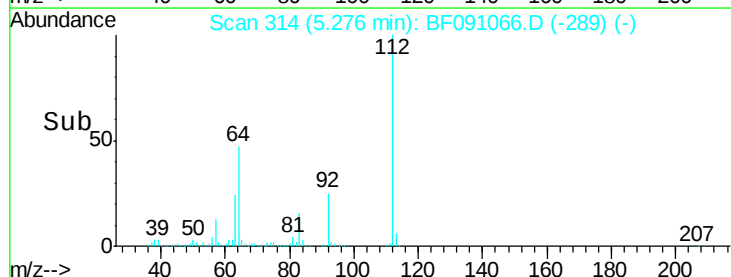
63 23.6 28.0 42.0#

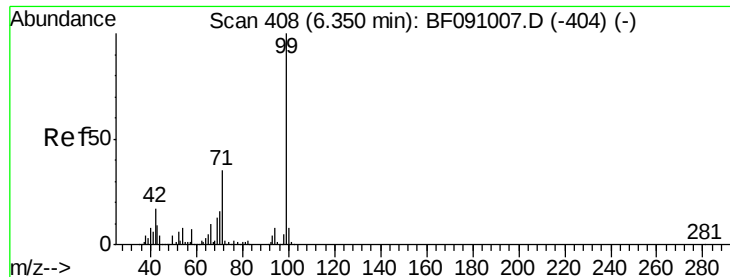


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 117.03 ng

RT: 6.33 min Scan# 406

Delta R.T. -0.02 min

Lab File: BF091066.D

Acq: 7 Nov 2016 19:55

Instrument :

BNA_F

ClientSampleId :

SB-112-0.5-1.0

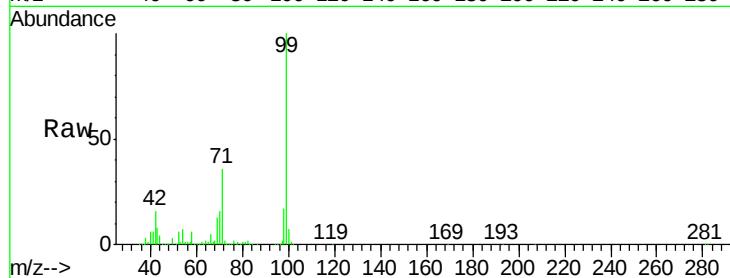
Tgt Ion: 99 Resp: 1737202

Ion Ratio Lower Upper

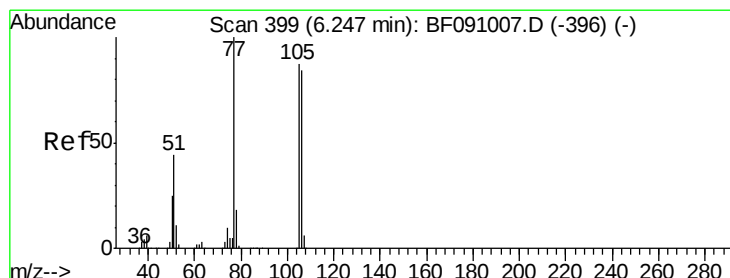
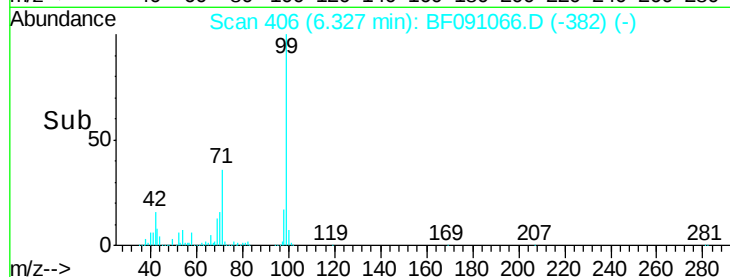
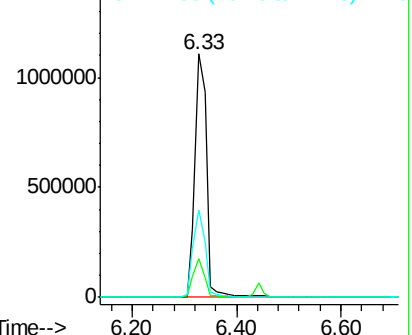
99 100

42 16.0 13.9 20.9

71 35.9 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: 3.48 ng

RT: 6.44 min Scan# 416

Delta R.T. 0.19 min

Lab File: BF091066.D

Acq: 7 Nov 2016 19:55

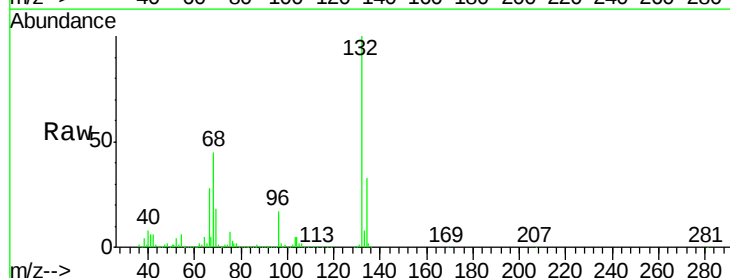
Tgt Ion: 77 Resp: 28660

Ion Ratio Lower Upper

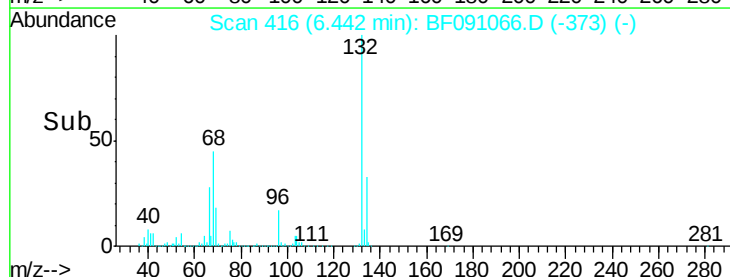
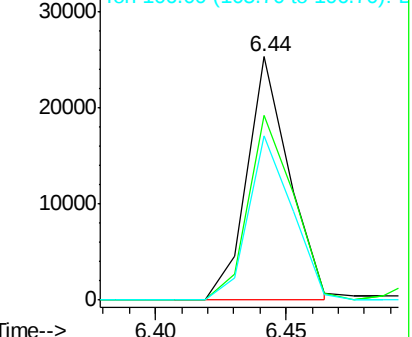
77 100

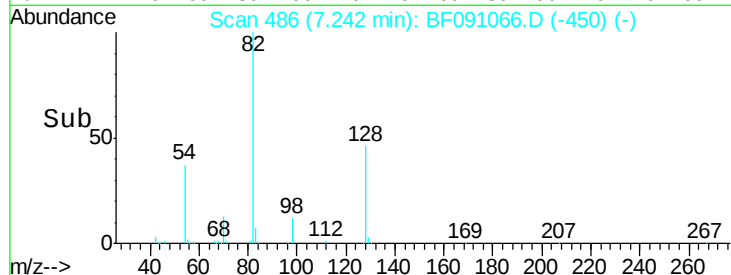
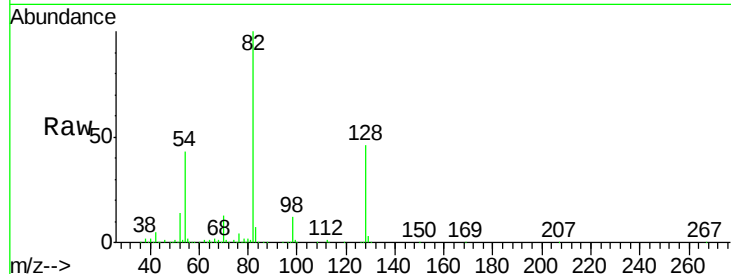
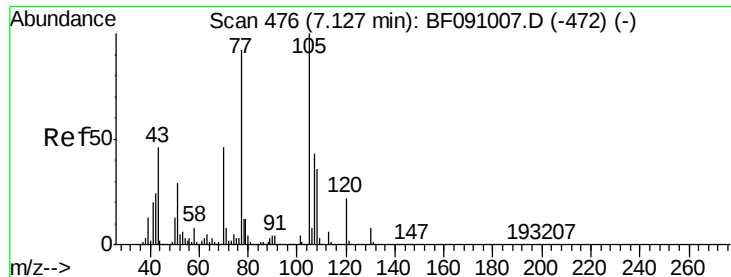
105 75.7 66.8 106.8

106 67.3 64.0 104.0



Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 105.00 (104.70 to 105.70): E
Ion 106.00 (105.70 to 106.70): E

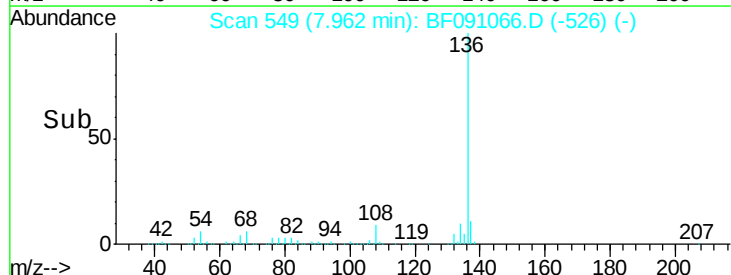
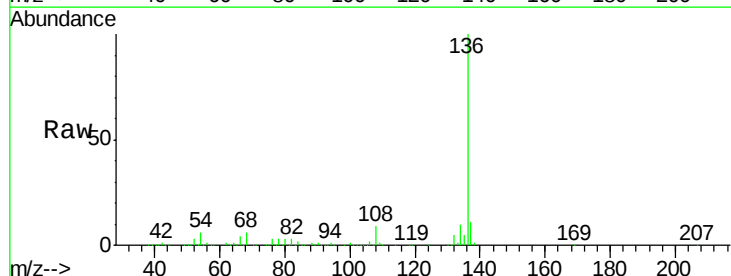
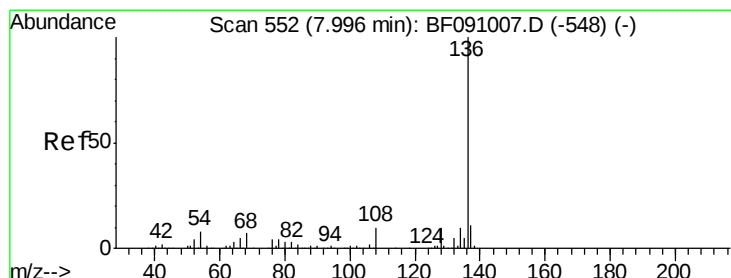
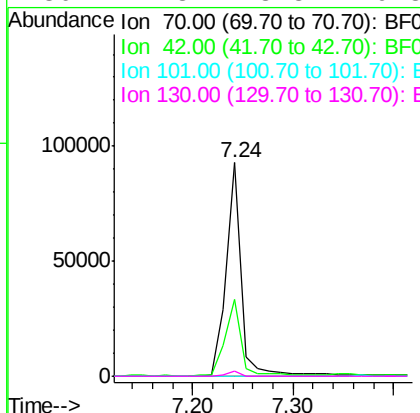




#19
n-Nitroso-di-n-propylamine
Concen: 9.55 ng
RT: 7.24 min Scan# 486
Delta R.T. 0.11 min
Lab File: BF091066.D
Acq: 7 Nov 2016 19:55

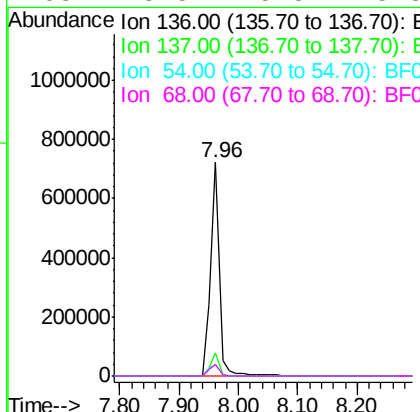
Instrument :
BNA_F
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SB-112-0.5-1.0

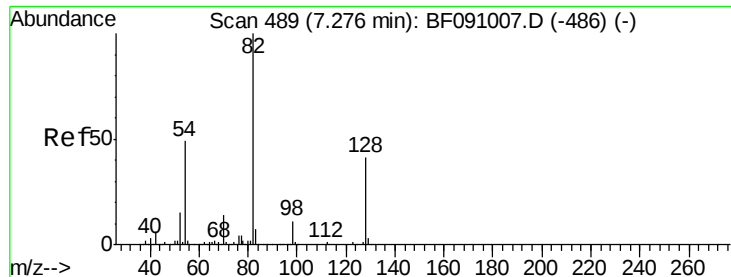
Tgt Ion: 70 Resp: 98187
Ion Ratio Lower Upper
70 100
42 35.7 41.7 62.5#
101 0.0 6.7 10.1#
130 2.3 13.8 20.8#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.96 min Scan# 549
Delta R.T. -0.03 min
Lab File: BF091066.D
Acq: 7 Nov 2016 19:55

Tgt Ion: 136 Resp: 740499
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 5.7 6.2 9.2#
68 5.5 5.5 8.3#

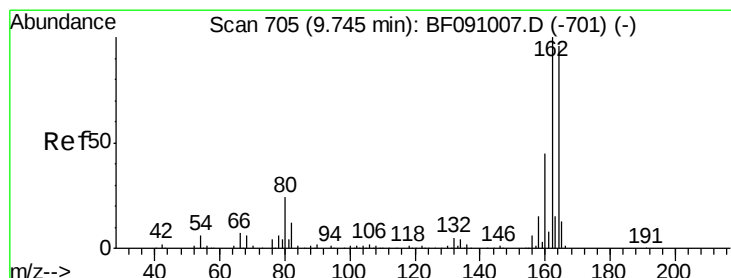
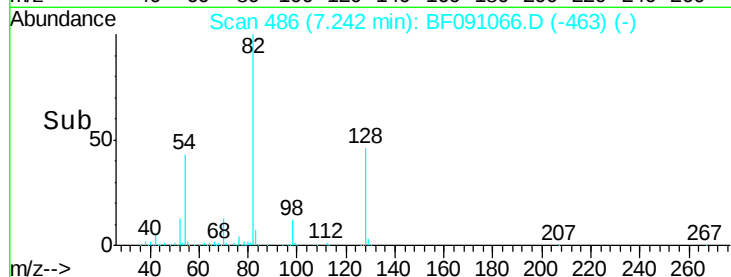
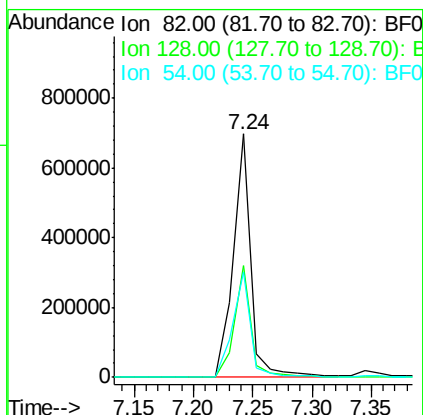
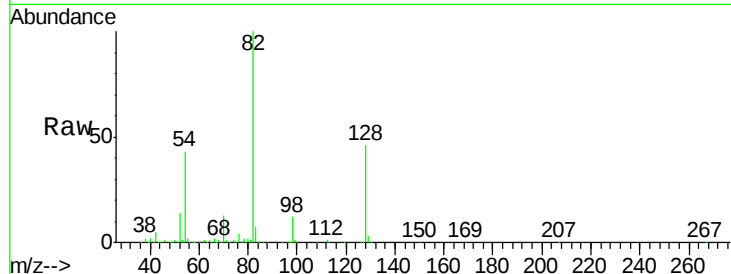




#23
 Nitrobenzene-d5
 Concen: 53.11 ng
 RT: 7.24 min Scan# 486
 Delta R.T. -0.03 min
 Lab File: BF091066.D
 Acq: 7 Nov 2016 19:55

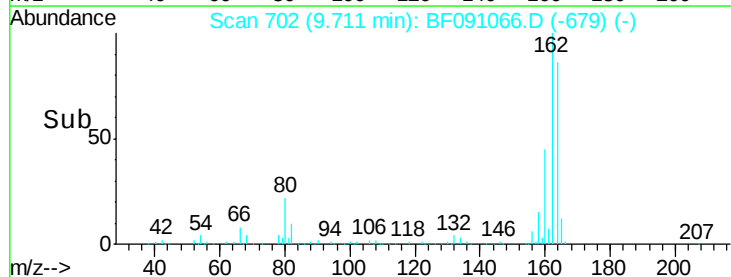
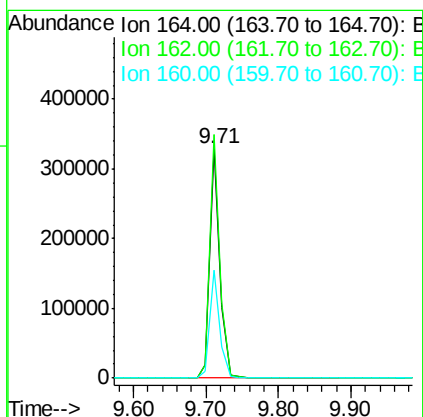
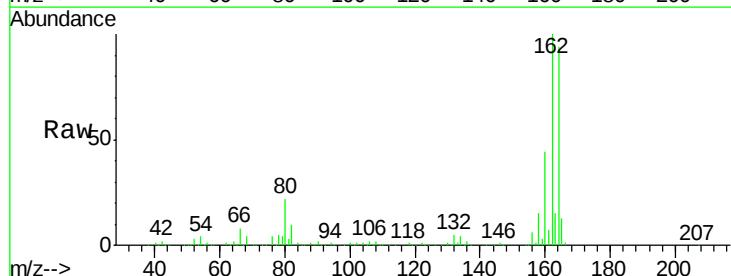
Instrument :
 BNA_F
 ClientSampleId :
 SB-112-0.5-1.0

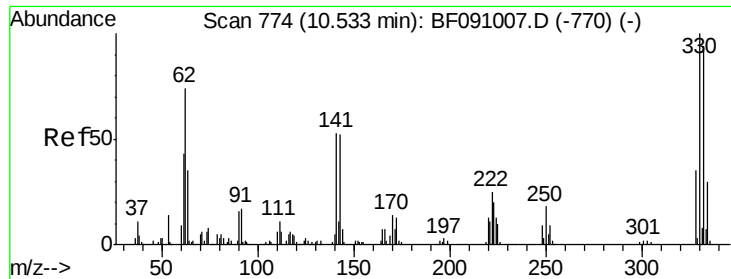
Tgt Ion	Ratio	Lower	Upper
82	100		
128	46.0	32.4	48.6
54	43.1	39.2	58.8



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.71 min Scan# 702
 Delta R.T. -0.03 min
 Lab File: BF091066.D
 Acq: 7 Nov 2016 19:55

Tgt Ion	Ratio	Lower	Upper
164	100		
162	106.1	83.6	125.4
160	47.1	37.9	56.9

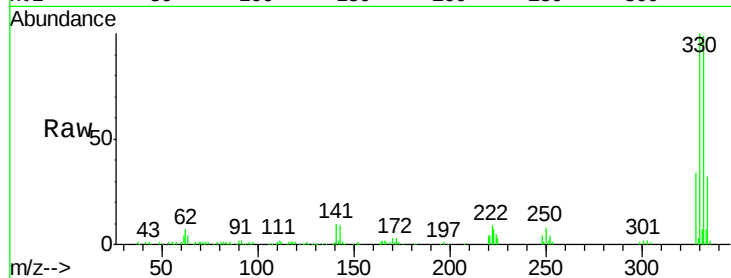




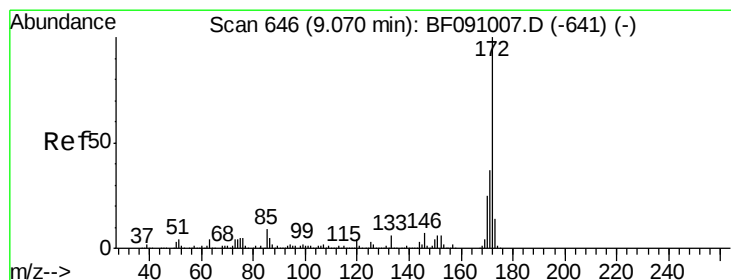
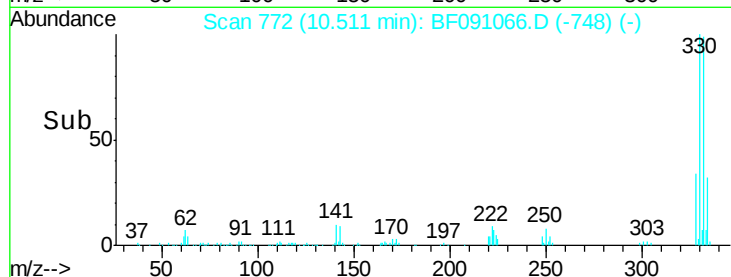
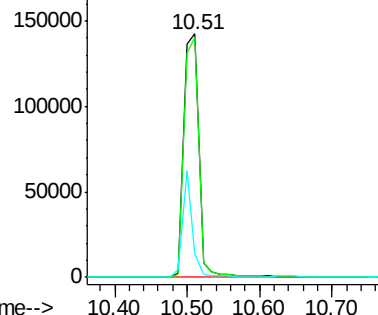
#41
 2,4,6-Tribromophenol
 Concen: 72.54 ng
 RT: 10.51 min Scan# 772
 Delta R.T. -0.02 min
 Lab File: BF091066.D
 Acq: 7 Nov 2016 19:55

Instrument :
 BNA_F
 ClientSampleId :
 SB-112-0.5-1.0

Tgt Ion:330 Resp: 207575
 Ion Ratio Lower Upper
 330 100
 332 97.2 75.9 113.9
 141 28.6 36.1 54.1#

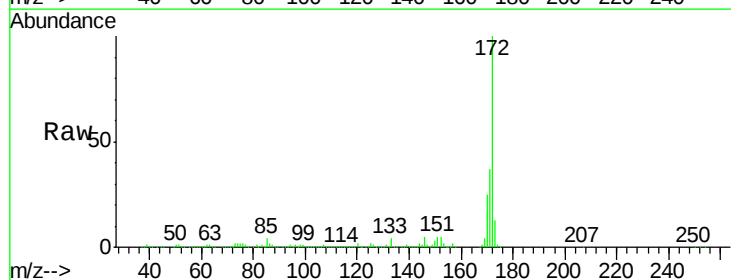


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

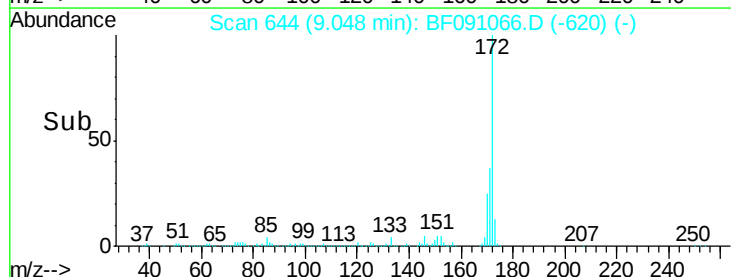
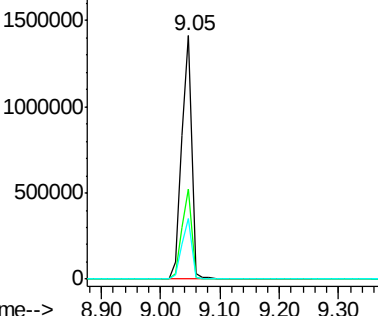


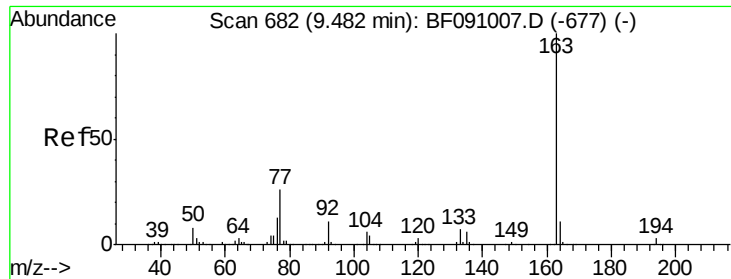
#44
 2-Fluorobiphenyl
 Concen: 90.42 ng
 RT: 9.05 min Scan# 644
 Delta R.T. -0.02 min
 Lab File: BF091066.D
 Acq: 7 Nov 2016 19:55

Tgt Ion:172 Resp: 1662371
 Ion Ratio Lower Upper
 172 100
 171 36.8 29.8 44.6
 170 24.6 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: 24.92 ng

RT: 9.44 min Scan# 678

Delta R.T. -0.05 min

Lab File: BF091066.D

Acq: 7 Nov 2016 19:55

Instrument :

BNA_F

ClientSampleId :

SB-112-0.5-1.0

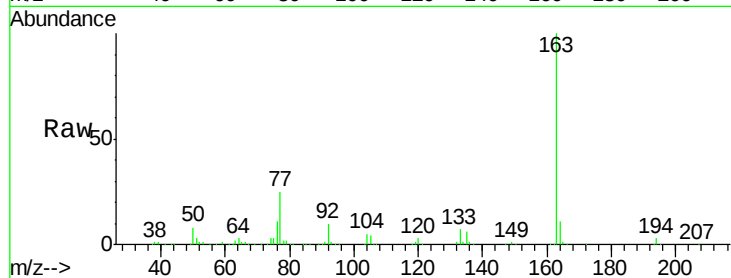
Tgt Ion:163 Resp: 517149

Ion Ratio Lower Upper

163 100

194 3.0 2.6 4.0

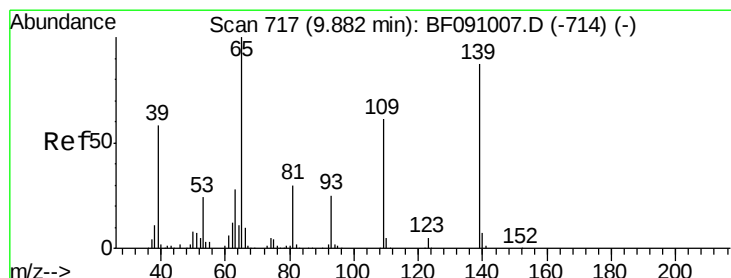
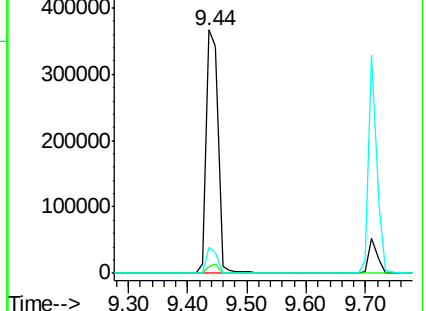
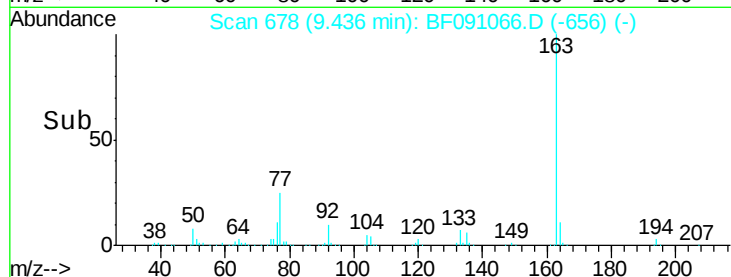
164 10.7 8.7 13.1



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: 5.91 ng

RT: 9.92 min Scan# 720

Delta R.T. 0.04 min

Lab File: BF091066.D

Acq: 7 Nov 2016 19:55

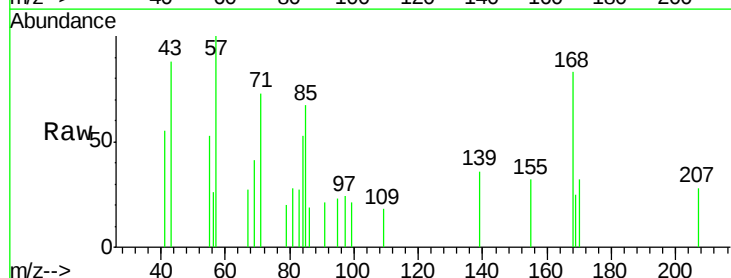
Tgt Ion:139 Resp: 687

Ion Ratio Lower Upper

139 100

109 49.7 50.5 90.5#

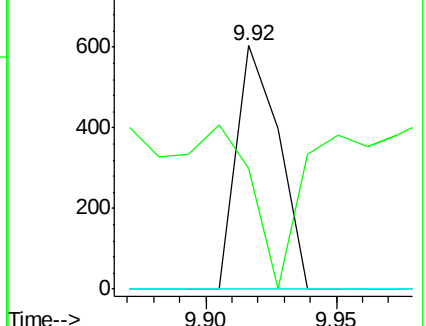
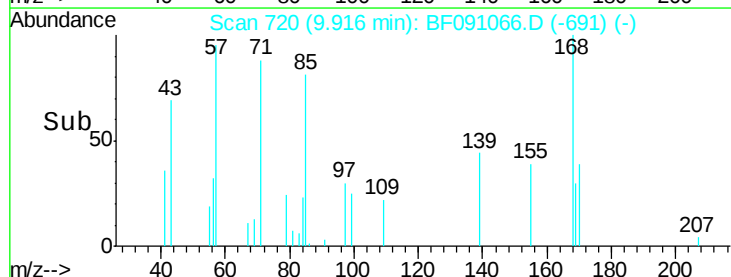
65 0.0 97.1 137.1#

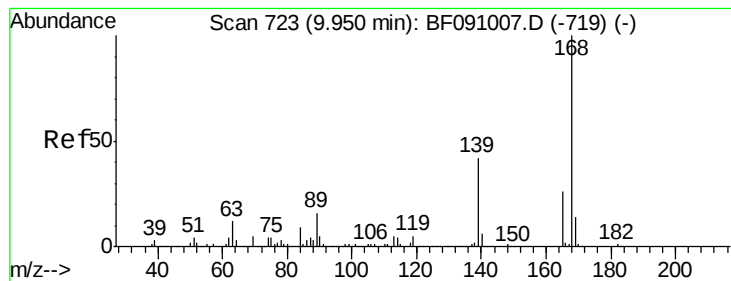


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0





#56

2,4-Dinitrotoluene

Concen: 7.52 ng

RT: 9.71 min Scan# 702

Delta R.T. -0.24 min

Lab File: BF091066.D

Acq: 7 Nov 2016 19:55

Instrument :

BNA_F

ClientSampleId :

SB-112-0.5-1.0

Tgt Ion:165 Resp: 42551

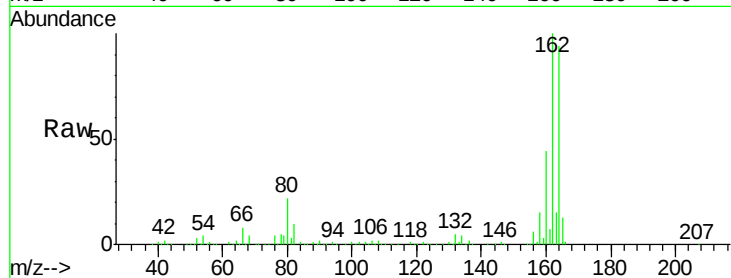
Ion Ratio Lower Upper

165 100

63 0.9 38.7 58.1#

89 0.9 50.6 76.0#

182 0.0 1.8 2.8#

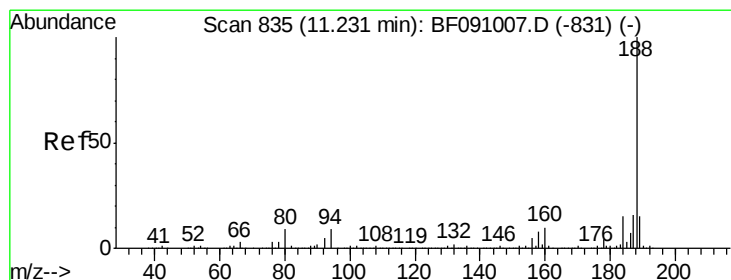
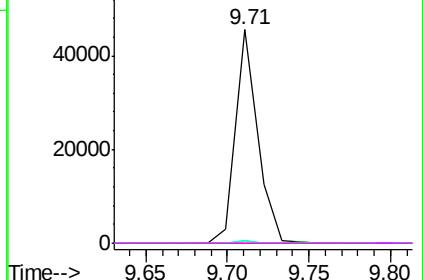
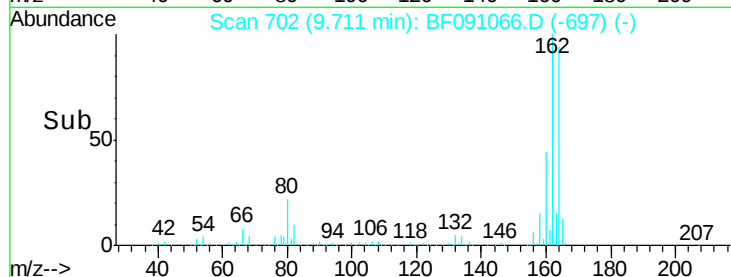


Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.20 min Scan# 832

Delta R.T. -0.03 min

Lab File: BF091066.D

Acq: 7 Nov 2016 19:55

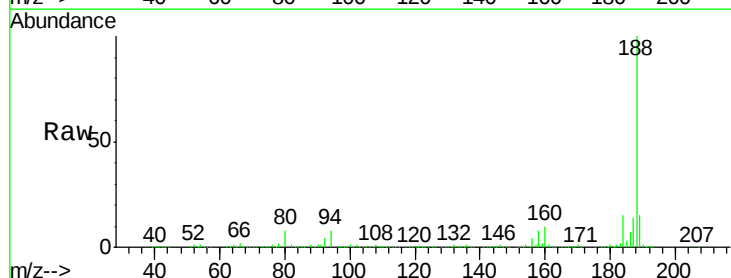
Tgt Ion:188 Resp: 502326

Ion Ratio Lower Upper

188 100

94 7.8 7.0 10.4

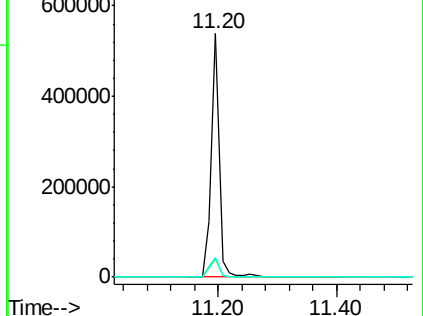
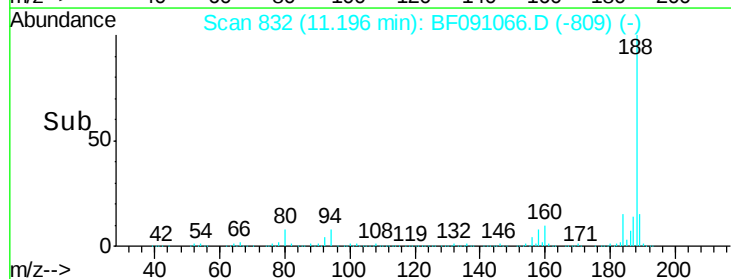
80 8.0 7.5 11.3

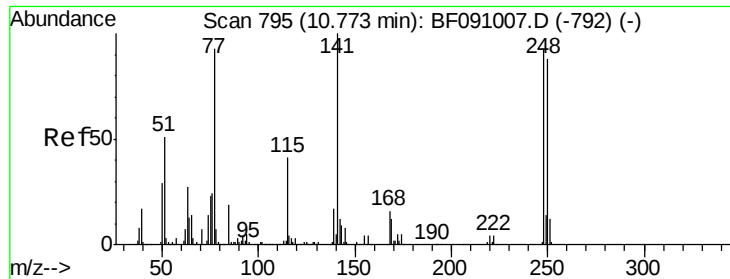


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

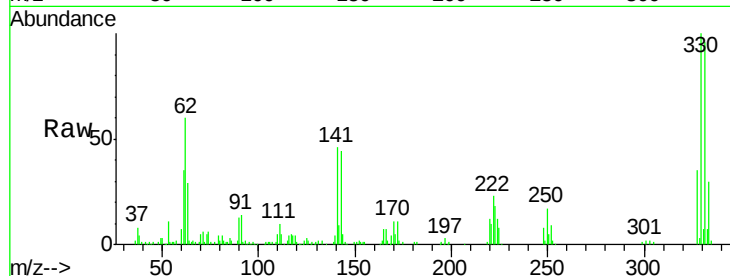




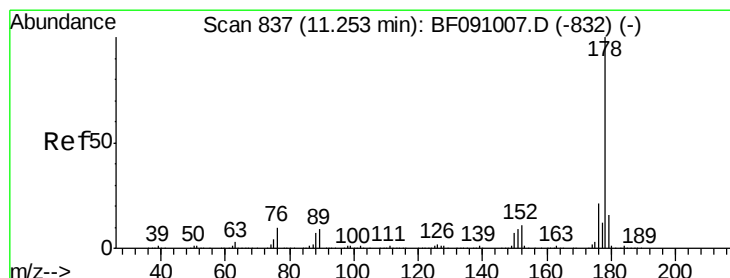
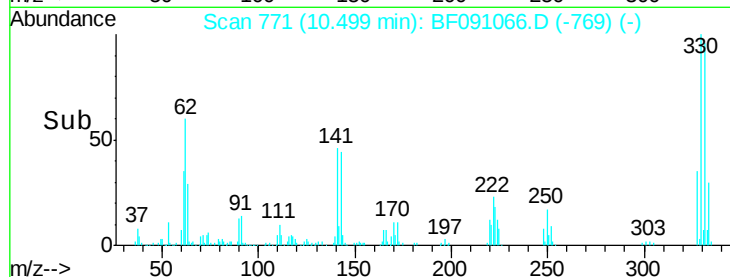
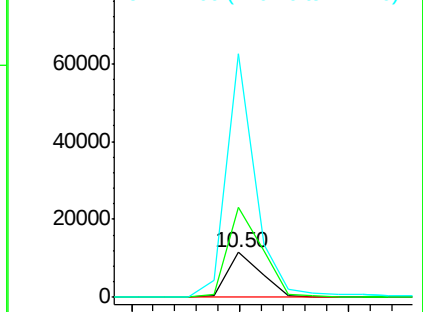
#66
4-Bromophenyl-phenylether
Concen: 2.38 ng
RT: 10.50 min Scan# 771
Delta R.T. -0.27 min
Lab File: BF091066.D
Acq: 7 Nov 2016 19:55

Instrument :
BNA_F
ClientSampleId :
SB-112-0.5-1.0

Tgt Ion:248 Resp: 12451
Ion Ratio Lower Upper
248 100
250 198.8 76.3 114.5#
141 540.9 86.8 130.2#

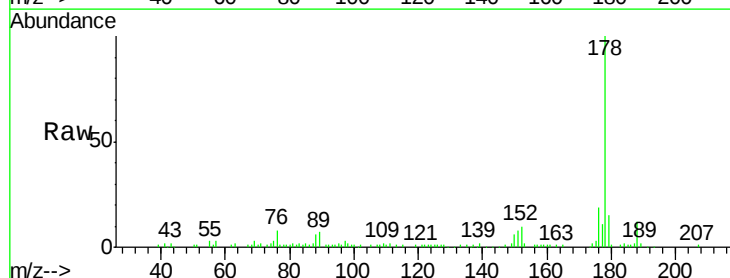


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

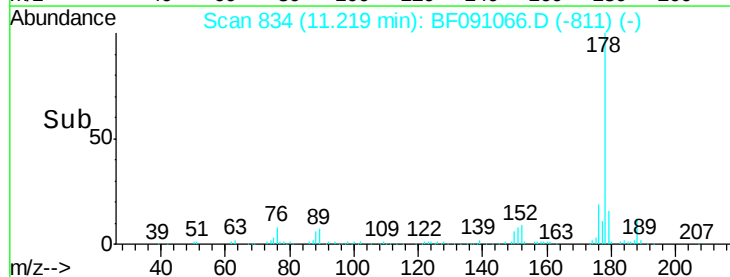
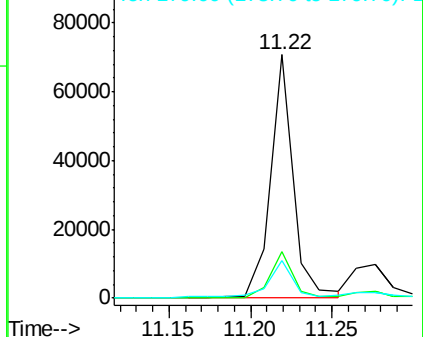


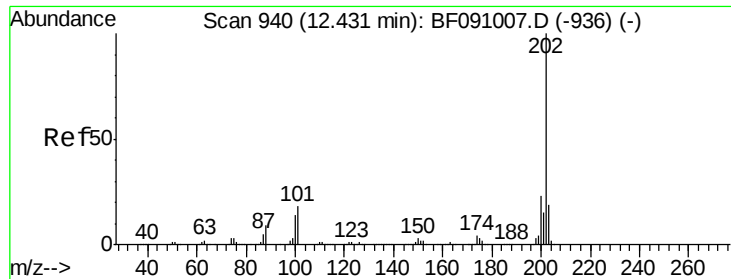
#70
Phenanthrene
Concen: 2.58 ng
RT: 11.22 min Scan# 834
Delta R.T. -0.03 min
Lab File: BF091066.D
Acq: 7 Nov 2016 19:55

Tgt Ion:178 Resp: 68799
Ion Ratio Lower Upper
178 100
176 19.2 16.6 25.0
179 15.4 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

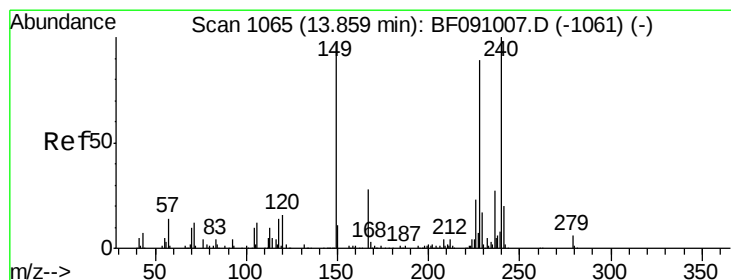
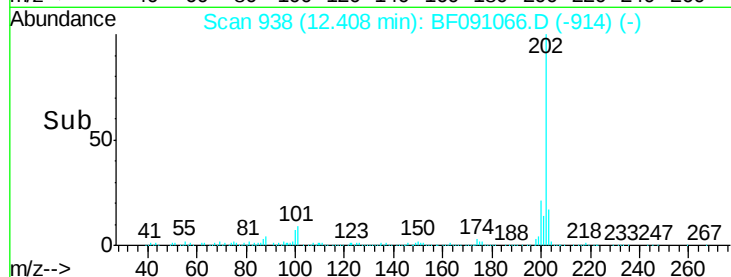
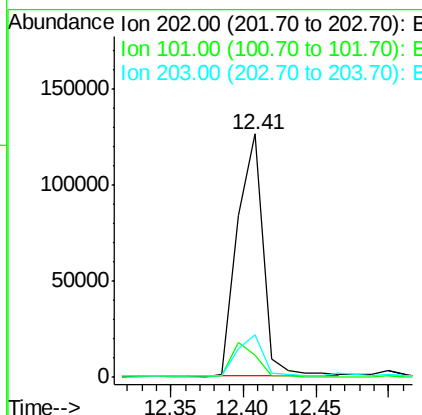
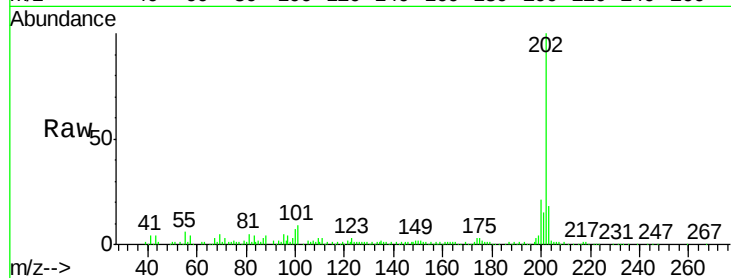




#74
Fluoranthene
Concen: 5.61 ng
RT: 12.41 min Scan# 938
Delta R.T. -0.02 min
Lab File: BF091066.D
Acq: 7 Nov 2016 19:55

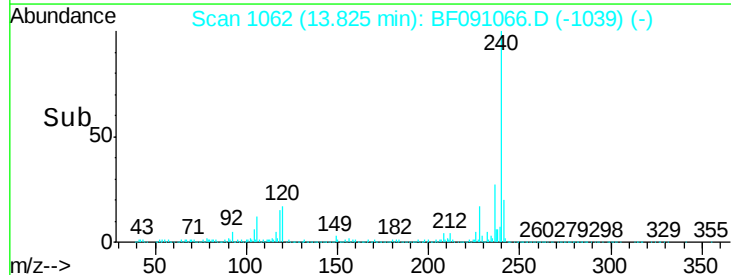
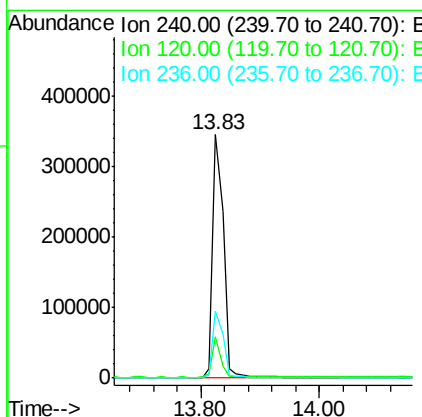
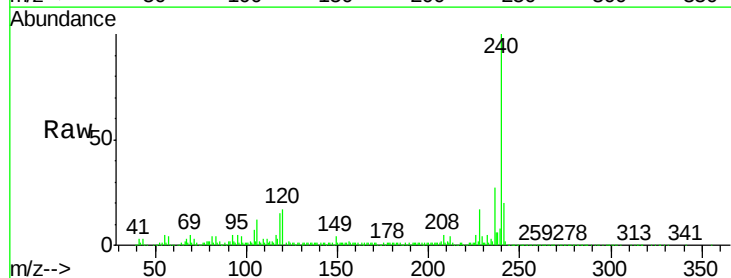
Instrument :
BNA_F
ClientSampleId :
SB-112-0.5-1.0

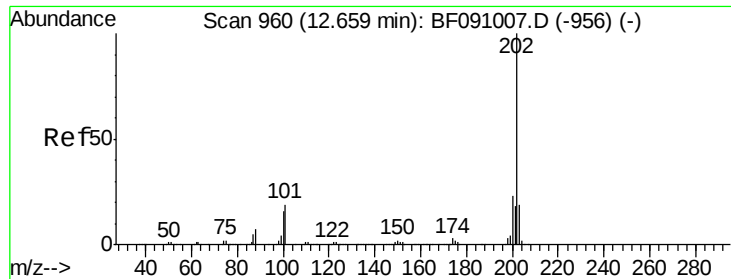
Tgt Ion: 202 Resp: 155436
Ion Ratio Lower Upper
202 100
101 9.4 0.0 37.6
203 17.6 0.0 38.6



#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.83 min Scan# 1062
Delta R.T. -0.03 min
Lab File: BF091066.D
Acq: 7 Nov 2016 19:55

Tgt Ion: 240 Resp: 430713
Ion Ratio Lower Upper
240 100
120 17.2 12.9 19.3
236 27.3 21.9 32.9

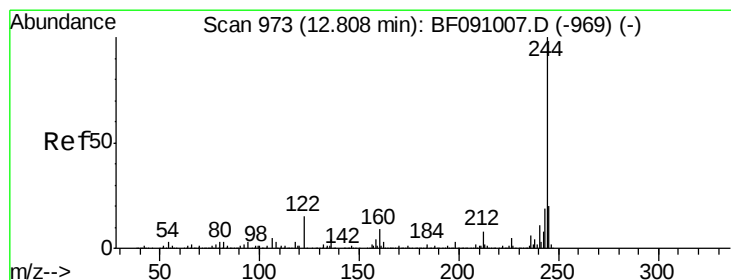
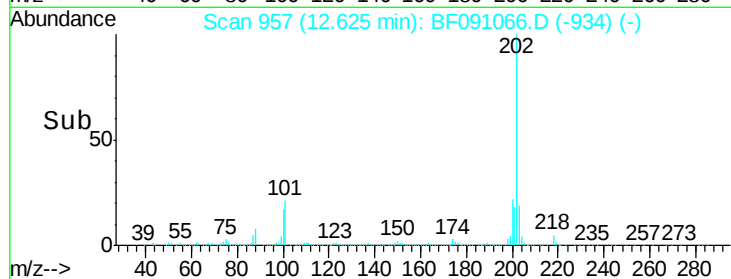
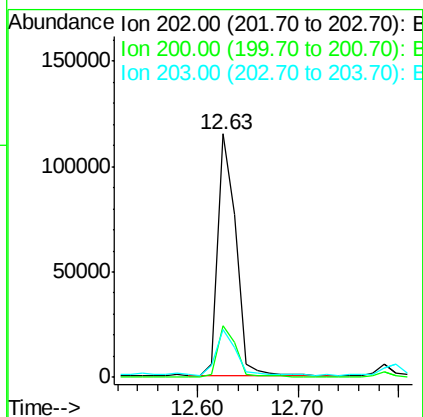
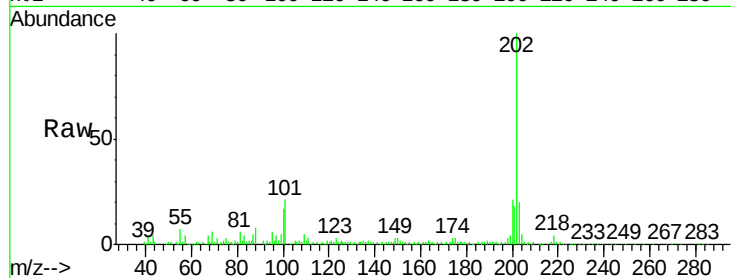




#77
Pyrene
Concen: 5.06 ng
RT: 12.63 min Scan# 957
Delta R.T. -0.03 min
Lab File: BF091066.D
Acq: 7 Nov 2016 19:55

Instrument :
BNA_F
ClientSampleId :
SB-112-0.5-1.0

Tgt Ion:202 Resp: 142606
Ion Ratio Lower Upper
202 100
200 21.4 18.4 27.6
203 19.8 15.0 22.6



#78
Terphenyl-d14
Concen: 78.45 ng
RT: 12.79 min Scan# 971
Delta R.T. -0.02 min
Lab File: BF091066.D
Acq: 7 Nov 2016 19:55

Tgt Ion:244 Resp: 1354060
Ion Ratio Lower Upper
244 100
212 7.1 6.4 9.6
122 10.6 12.3 18.5#

