

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092717\
 Data File : BF098897.D
 Acq On : 28 Sep 2017 8:35
 Operator : SJ/JU
 Sample : I5436-02RE
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 28 12:57:18 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 23 13:50:58 2017
 Response via : Initial Calibration

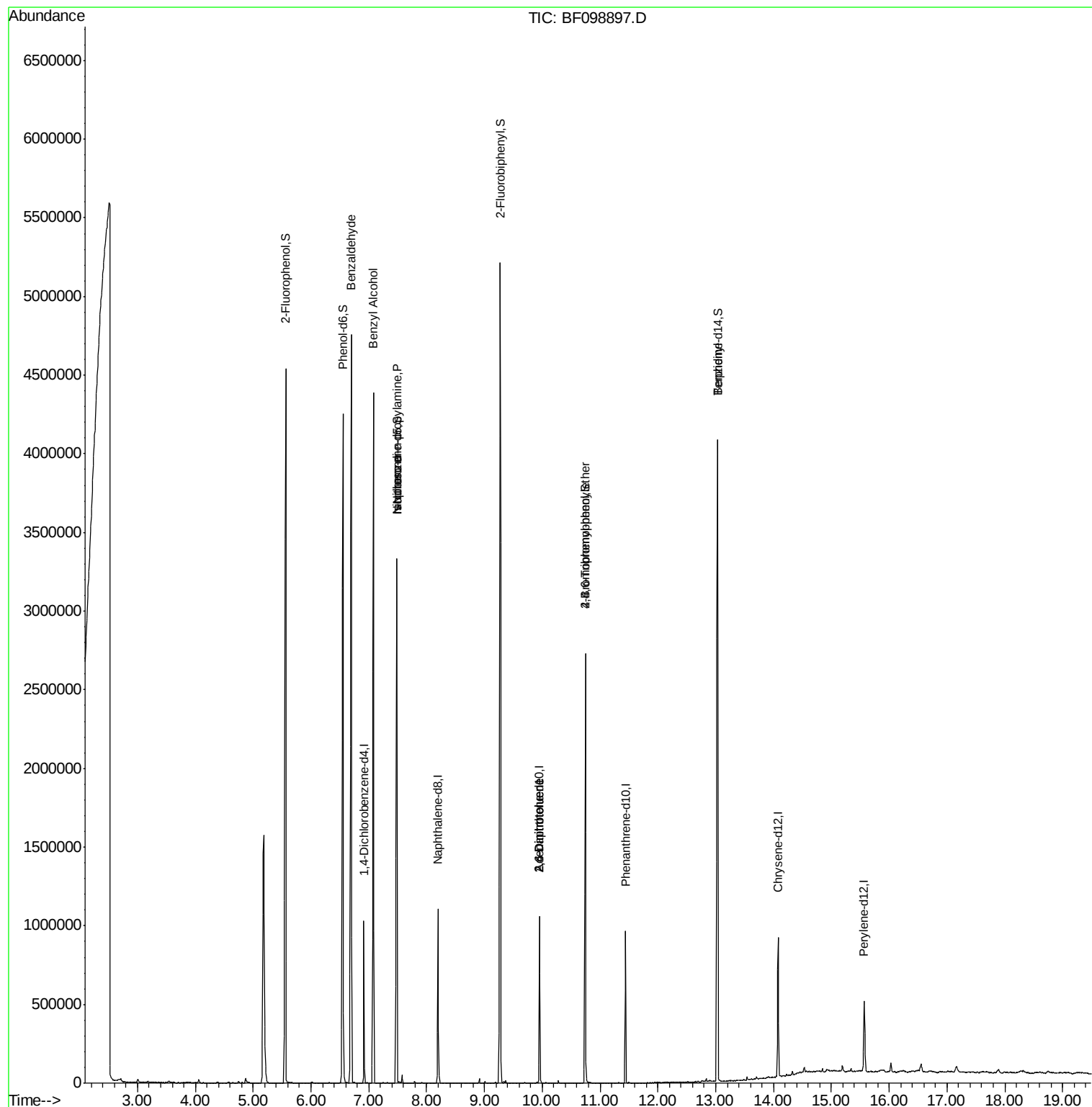
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.92	152	128791	20.00	ng	0.00
21) Naphthalene-d8	8.20	136	503593	20.00	ng	0.00
38) Acenaphthene-d10	9.95	164	193147	20.00	ng	-0.01
63) Phenanthrene-d10	11.44	188	303531	20.00	ng	0.00
75) Chrysene-d12	14.08	240	266642	20.00	ng	0.00
86) Perylene-d12	15.57	264	183080	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	1780993	220.14	ng	0.02
7) Phenol-d6	6.56	99	1990529	199.44	ng	0.01
23) Nitrobenzene-d5	7.49	82	1371275	174.63	ng	0.00
41) 2,4,6-Tribromophenol	10.75	330	357927	226.47	ng	0.00
44) 2-Fluorobiphenyl	9.27	172	2061547	178.18	ng	0.00
78) Terphenyl-d14	13.03	244	1608204	137.16	ng	0.00
Target Compounds						
9) Benzaldehyde	6.70	77	37991	6.562	ng	83
15) Benzyl Alcohol	7.07	79	20896	2.854	ng	# 39
19) n-Nitroso-di-n-propylamine	7.49	70	182289	28.608	ng	# 76
25) Isophorone	7.49	82	1367782	84.247	ng	# 64
50) 2,6-Dinitrotoluene	9.95	165	25158	7.927	ng	# 25
56) 2,4-Dinitrotoluene	9.95	165	25158	6.108	ng	# 23
66) 4-Bromophenyl-phenylether	10.75	248	24279	8.172	ng	# 1
76) Benzidine	13.03	184	22470	2.278	ng	96

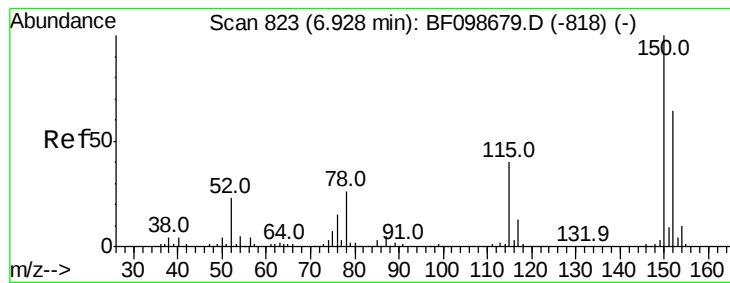
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092717\
Data File : BF098897.D
Acq On : 28 Sep 2017 8:35
Operator : SJ/JU
Sample : I5436-02RE
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Sep 28 12:57:18 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 23 13:50:58 2017
Response via : Initial Calibration



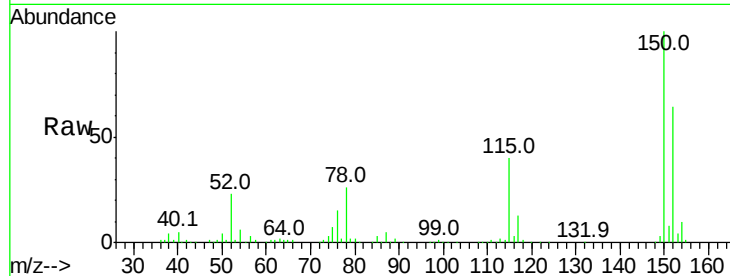


#1

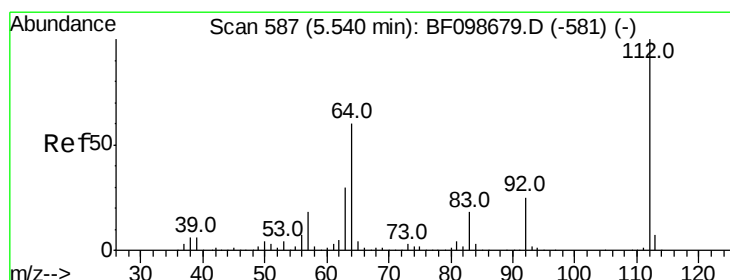
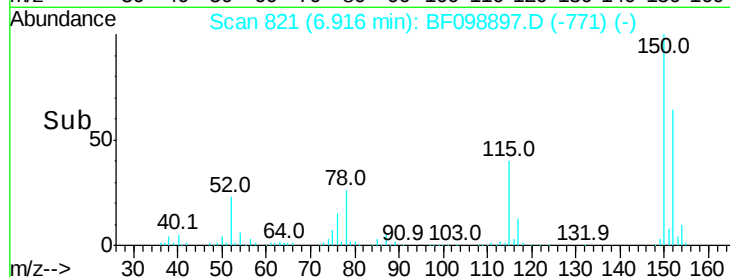
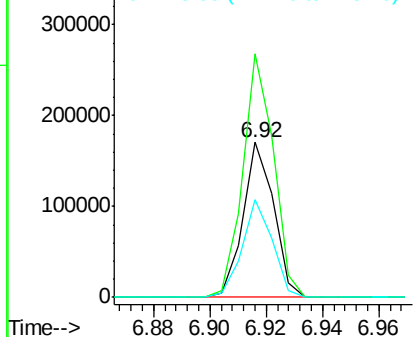
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.92 min Scan# 821
Delta R.T. -0.01 min
Lab File: BF098897.D
Acq: 28 Sep 2017 8:35

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 128791
Ion Ratio Lower Upper
152 100
150 157.2 124.6 186.8
115 63.2 50.1 75.1



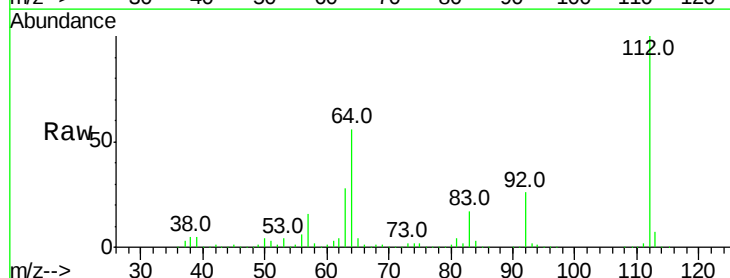
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



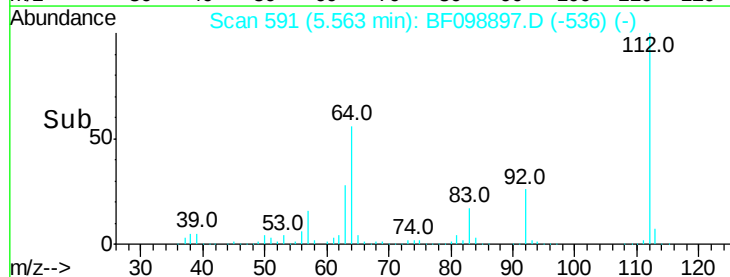
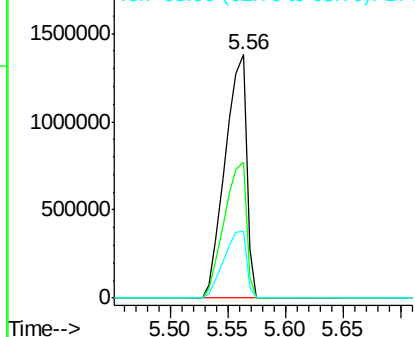
#5

2-Fluorophenol
Concen: 220.137 ng
RT: 5.56 min Scan# 591
Delta R.T. 0.02 min
Lab File: BF098897.D
Acq: 28 Sep 2017 8:35

Tgt Ion:112 Resp: 1780993
Ion Ratio Lower Upper
112 100
64 55.8 47.9 71.9
63 27.7 23.7 35.5



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: 199.444 ng

RT: 6.56 min Scan# 760

Delta R.T. 0.01 min

Lab File: BF098897.D

Acq: 28 Sep 2017 8:35

Instrument :

BNA_F

ClientSampleId :

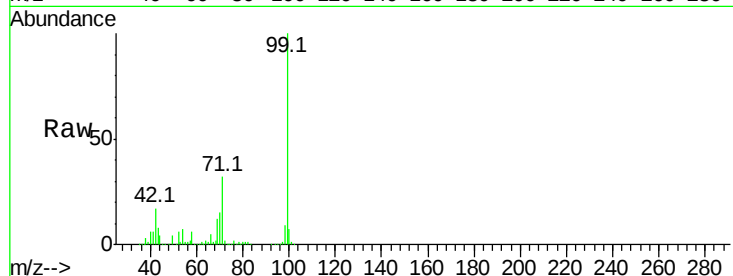
Tot Ion: 99 Resp: 1990529

Ion Ratio Lower Upper

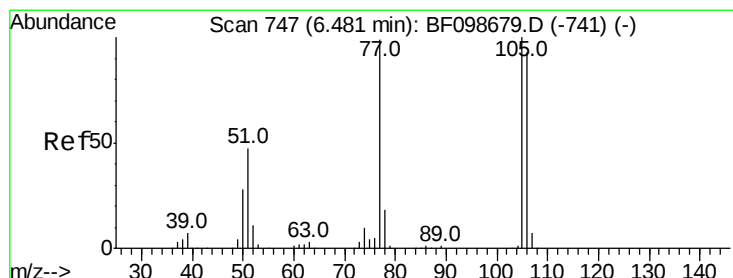
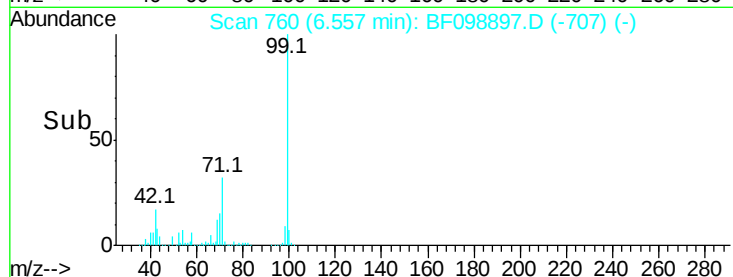
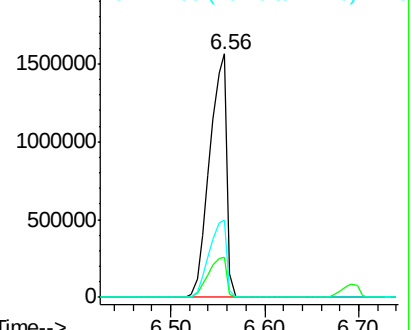
99 100

42 16.6 14.5 21.7

71 32.0 25.4 38.0



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: 6.562 ng

RT: 6.70 min Scan# 784

Delta R.T. 0.22 min

Lab File: BF098897.D

Acq: 28 Sep 2017 8:35

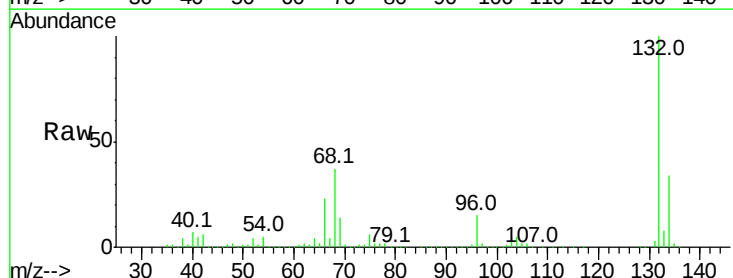
Tgt Ion: 77 Resp: 37991

Ion Ratio Lower Upper

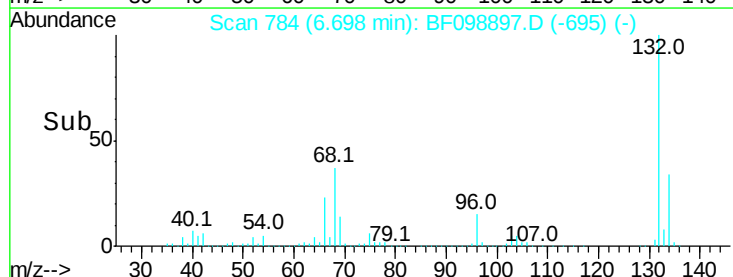
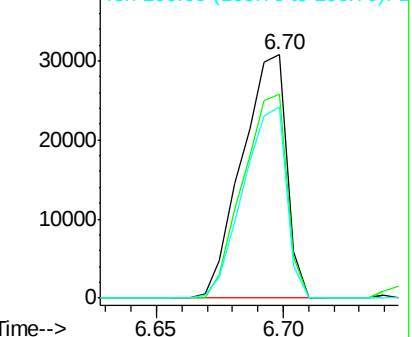
77 100

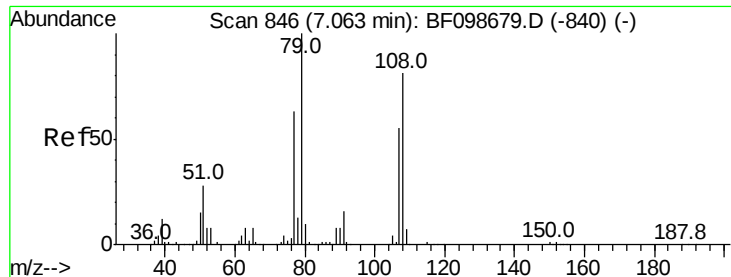
105 84.0 81.1 121.1

106 78.6 74.5 114.5



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





#15

Benzyl Alcohol

Concen: 2.854 ng

RT: 7.07 min Scan# 848

Delta R.T. 0.01 min

Lab File: BF098897.D

Acq: 28 Sep 2017 8:35

Instrument :

BNA_F

ClientSampleId :

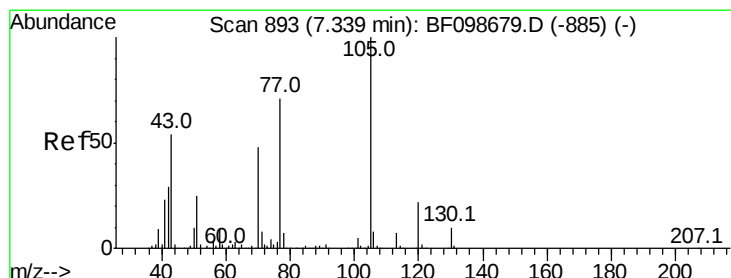
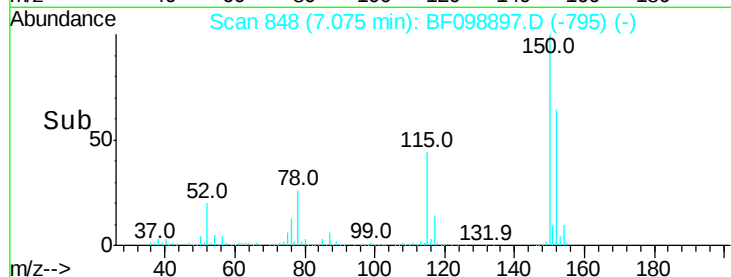
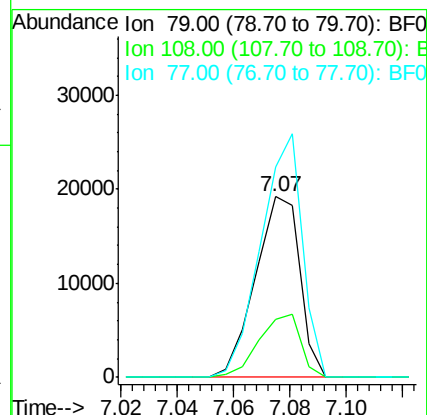
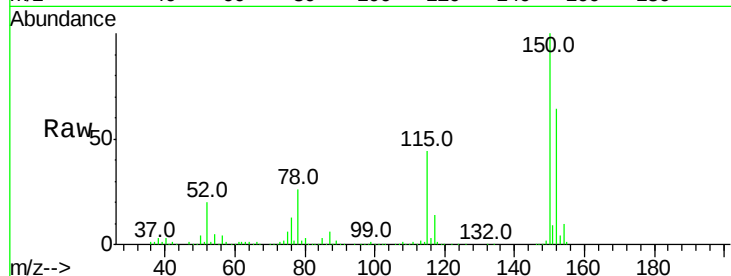
Tot Ion: 79 Resp: 20896

Ion Ratio Lower Upper

79 100

108 32.2 65.1 97.7#

77 116.3 50.6 75.8#



#19

n-Nitroso-di-n-propylamine

Concen: 28.608 ng

RT: 7.49 min Scan# 918

Delta R.T. 0.15 min

Lab File: BF098897.D

Acq: 28 Sep 2017 8:35

Tgt Ion: 70 Resp: 182289

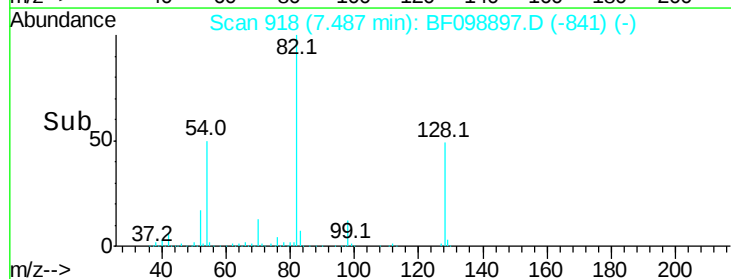
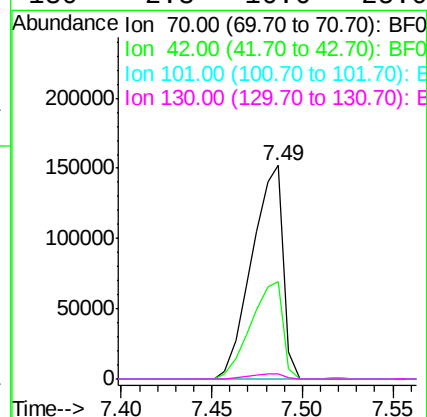
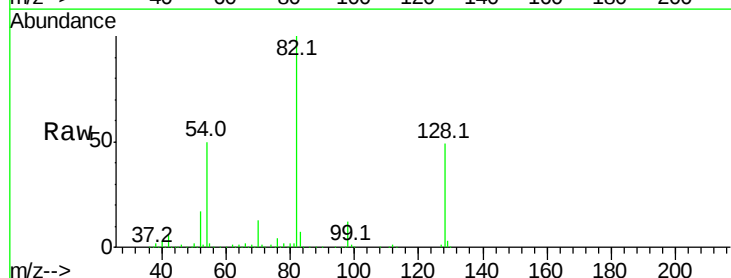
Ion Ratio Lower Upper

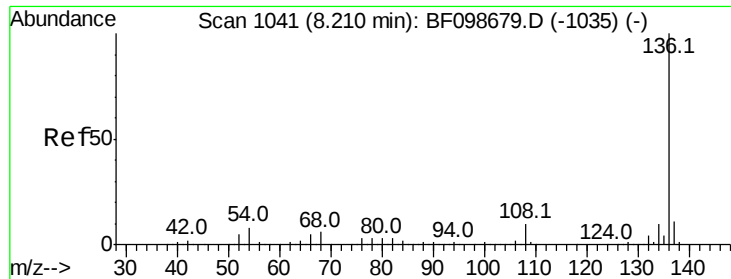
70 100

42 45.6 47.5 71.3#

101 0.0 7.4 11.2#

130 2.3 16.6 25.0#

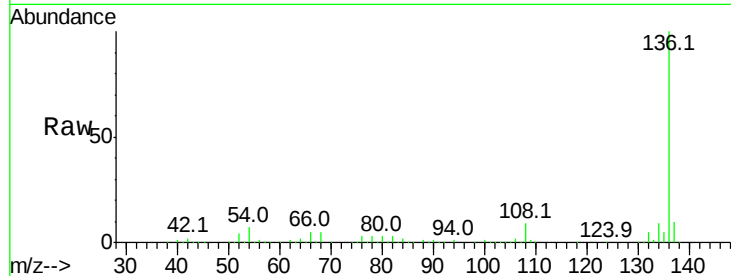




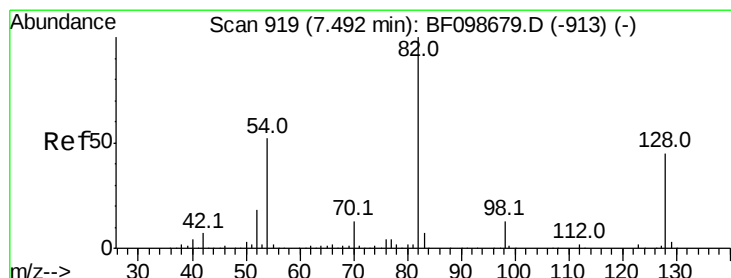
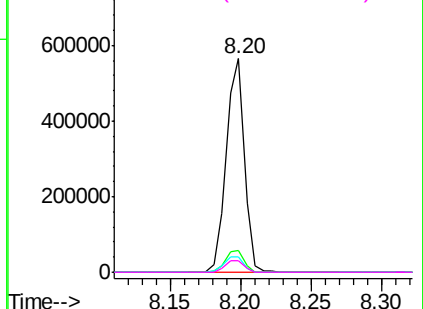
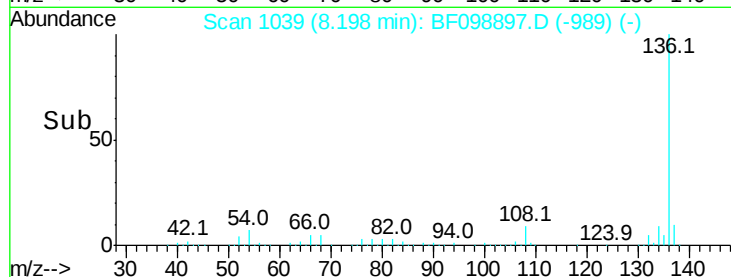
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.20 min Scan# 1039
Delta R.T. -0.01 min
Lab File: BF098897.D
Acq: 28 Sep 2017 8:35

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	503593	
Ion Ratio	Lower	Upper	
136 100			
137 10.5	8.9	13.3	
54 7.5	6.6	9.8	
68 5.4	5.0	7.4	

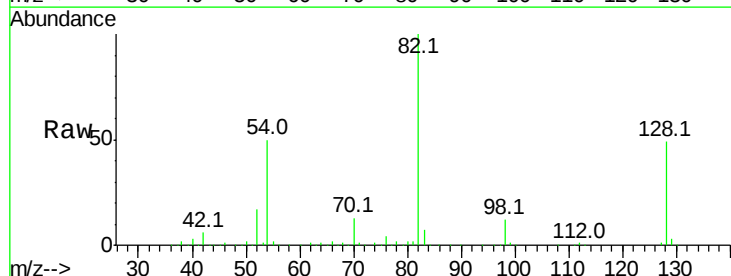


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

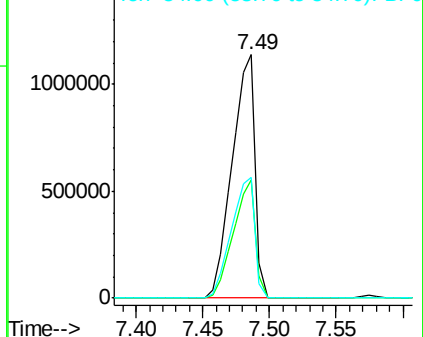
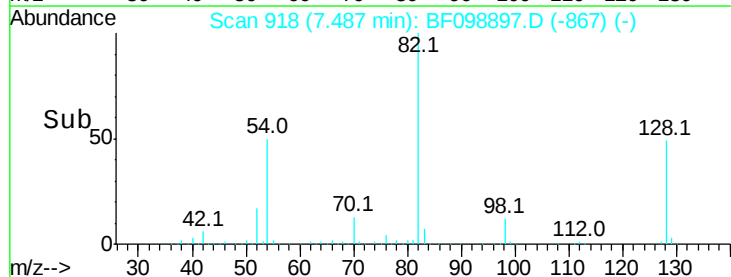


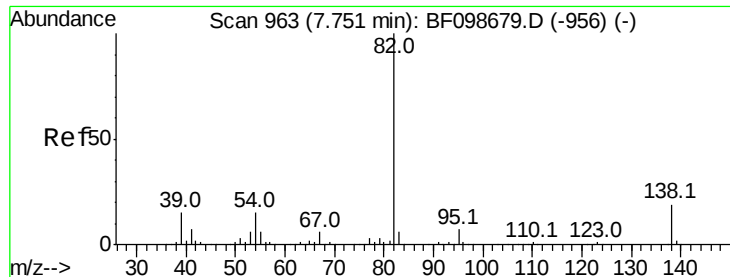
#23
Nitrobenzene-d5
Concen: 174.625 ng
RT: 7.49 min Scan# 918
Delta R.T. 0.00 min
Lab File: BF098897.D
Acq: 28 Sep 2017 8:35

Tgt Ion: 82	Resp: 1371275
Ion Ratio	Lower Upper
82 100	
128 48.7	36.1 54.1
54 49.7	41.4 62.2



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





#25

Isophorone

Concen: 84.247 ng

RT: 7.49 min Scan# 918

Delta R.T. -0.26 min

Lab File: BF098897.D

Acq: 28 Sep 2017 8:35

Instrument :

BNA_F

ClientSampleId :

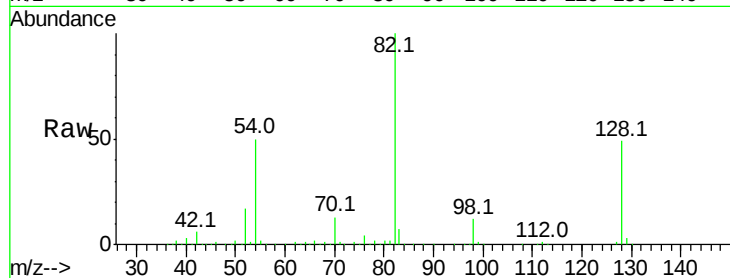
Tot Ion: 82 Resp: 1367782

Ion Ratio Lower Upper

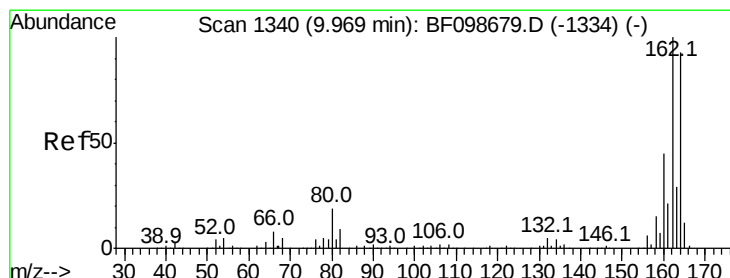
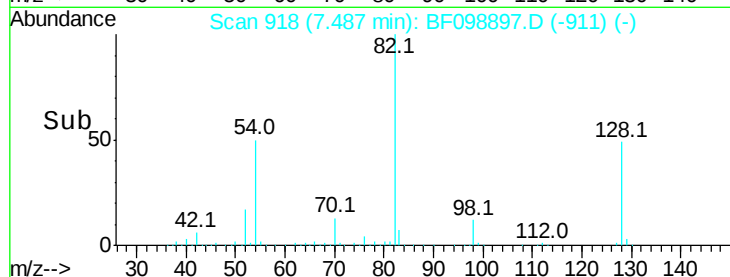
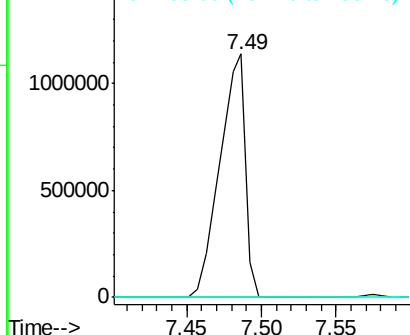
82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



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: 20.000 ng

RT: 9.95 min Scan# 1337

Delta R.T. -0.01 min

Lab File: BF098897.D

Acq: 28 Sep 2017 8:35

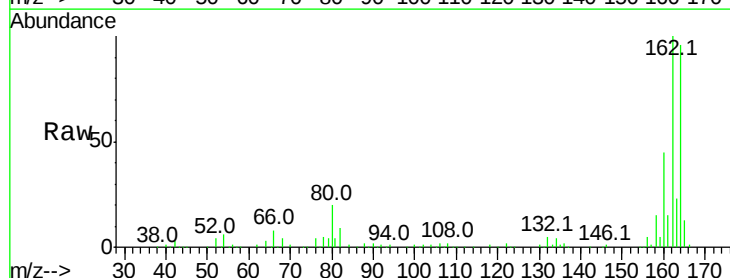
Tgt Ion:164 Resp: 193147

Ion Ratio Lower Upper

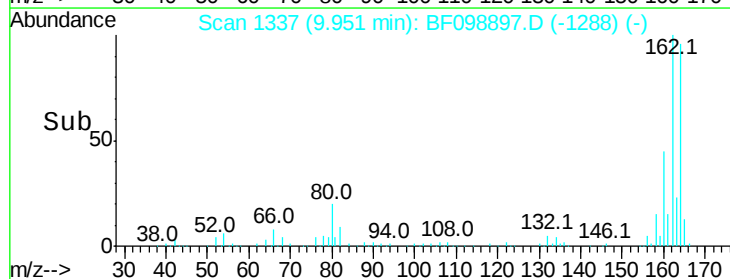
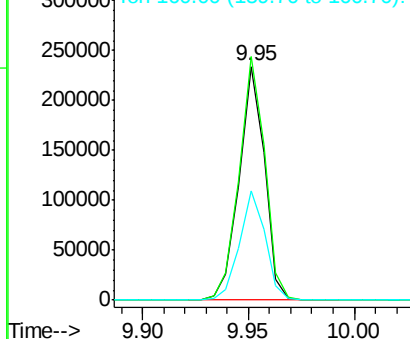
164 100

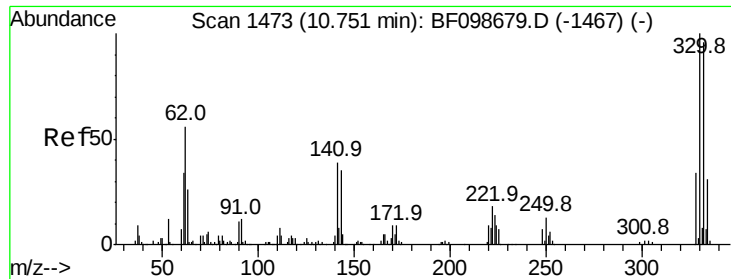
162 104.3 86.1 129.1

160 46.8 38.3 57.5



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

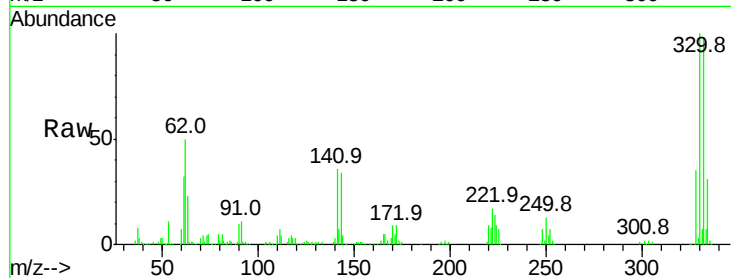




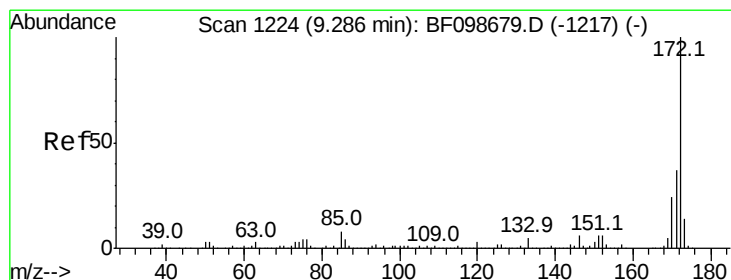
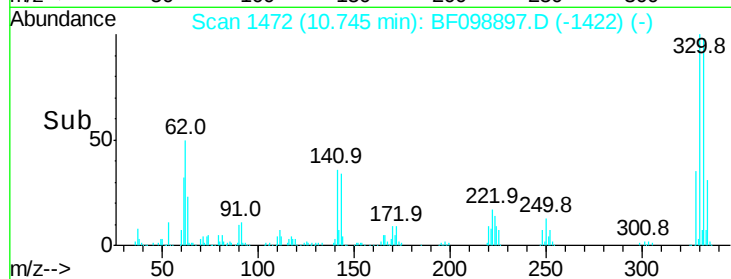
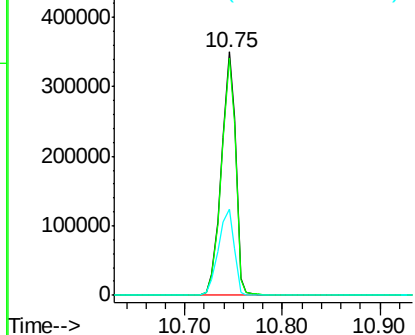
#41
 2,4,6-Tribromophenol
 Concen: 226.469 ng
 RT: 10.75 min Scan# 1472
 Delta R.T. -0.01 min
 Lab File: BF098897.D
 Acq: 28 Sep 2017 8:35

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.0	77.0	115.6
141	39.3	29.9	44.9

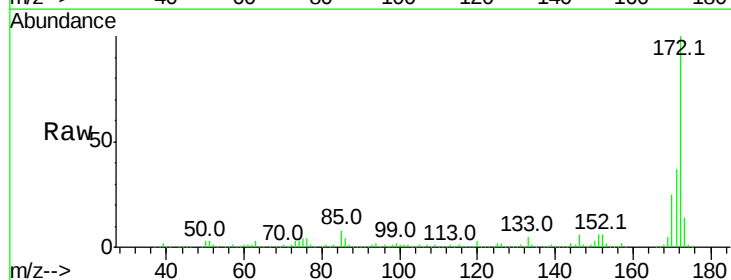


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

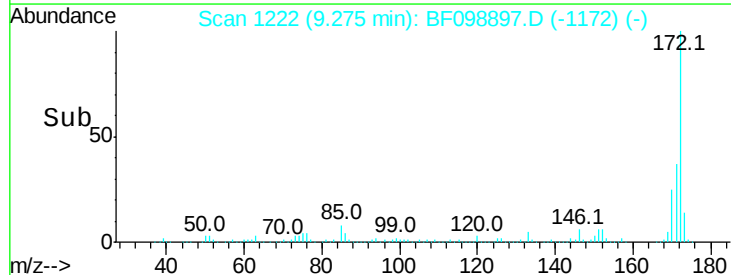
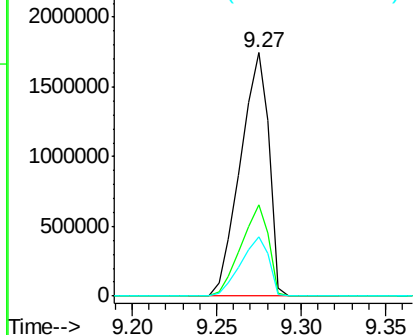


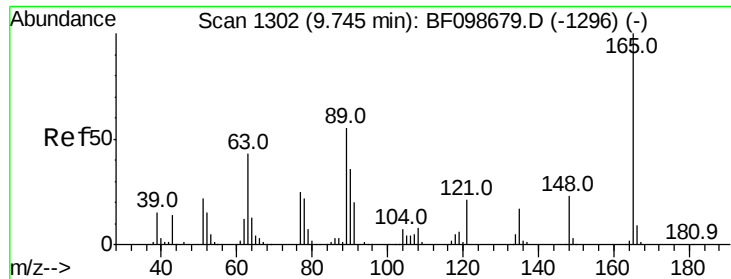
#44
 2-Fluorobiphenyl
 Concen: 178.185 ng
 RT: 9.27 min Scan# 1222
 Delta R.T. -0.01 min
 Lab File: BF098897.D
 Acq: 28 Sep 2017 8:35

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.3	29.7	44.5
170	24.5	19.6	29.4



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

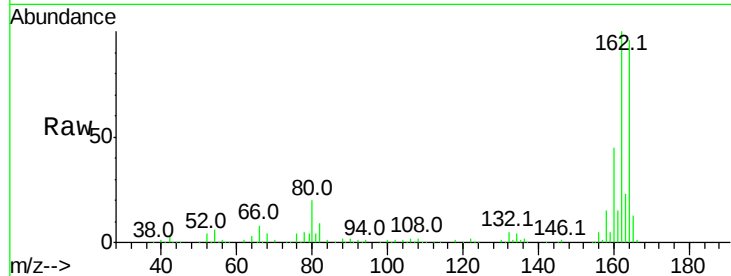




#50
 2,6-Dinitrotoluene
 Concen: 7.927 ng
 RT: 9.95 min Scan# 1337
 Delta R.T. 0.21 min
 Lab File: BF098897.D
 Acq: 28 Sep 2017 8:35

Instrument :
 BNA_F
 ClientSampleId :

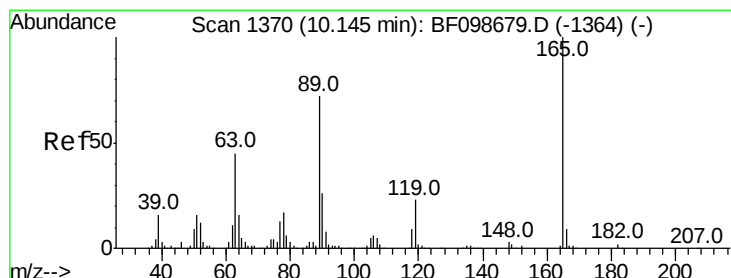
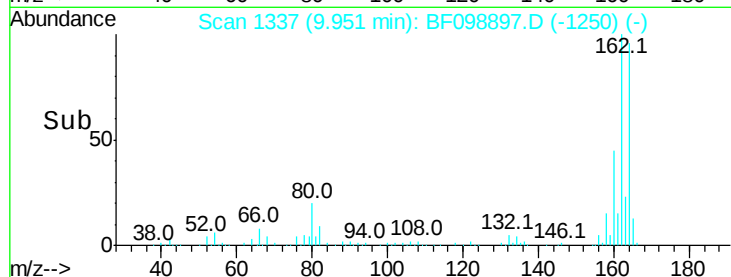
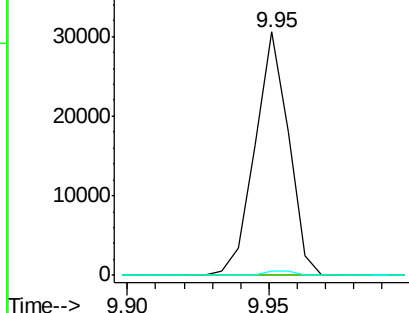
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.7	67.1#
89	1.6	44.0	66.0#



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



#56
 2,4-Dinitrotoluene
 Concen: 6.108 ng
 RT: 9.95 min Scan# 1337
 Delta R.T. -0.19 min
 Lab File: BF098897.D
 Acq: 28 Sep 2017 8:35

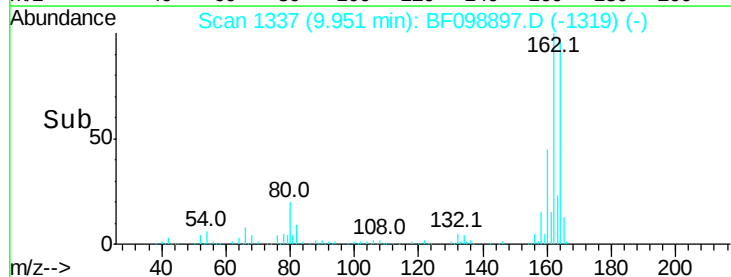
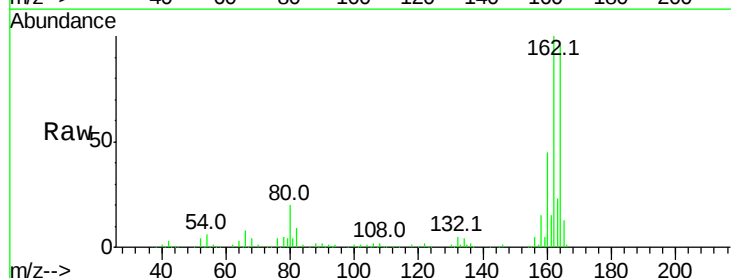
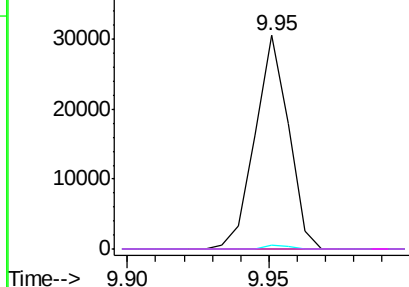
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.4	54.6#
89	1.6	57.8	86.6#
182	0.0	1.6	2.4#

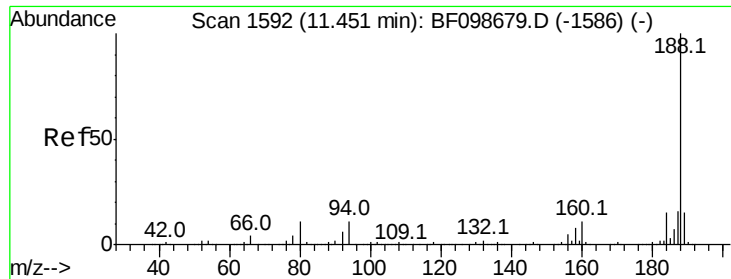
Abundance Ion 165.00 (164.70 to 165.70): E

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: 20.000 ng

RT: 11.44 min Scan# 1590

Delta R.T. -0.01 min

Lab File: BF098897.D

Acq: 28 Sep 2017 8:35

Instrument :

BNA_F

ClientSampled :

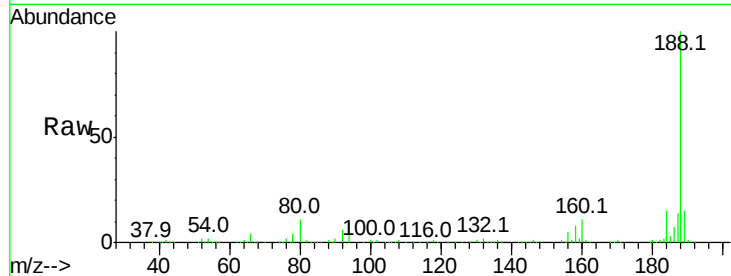
Tot Ion:188 Resp: 303531

Ion Ratio Lower Upper

188 100

94 10.3 8.5 12.7

80 11.2 9.2 13.8

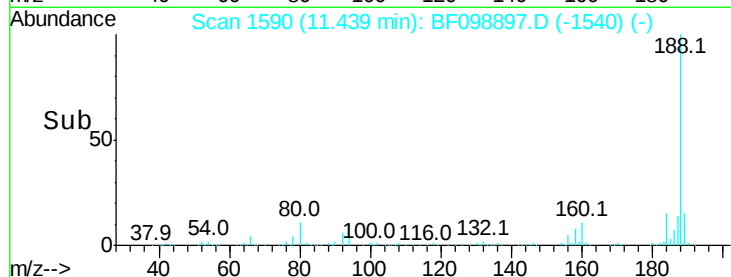


Abundance Ion 188.00 (187.70 to 188.70): E

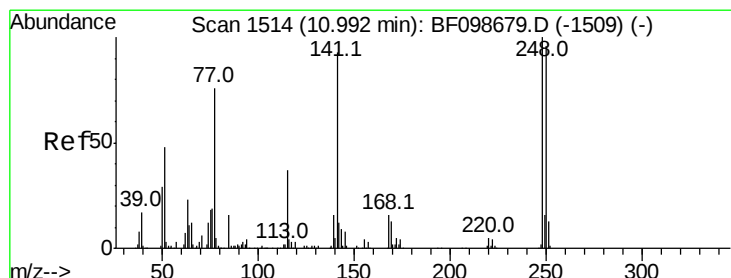
Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

Time-->



Time-->



#66

4-Bromophenyl-phenylether

Concen: 8.172 ng

RT: 10.75 min Scan# 1472

Delta R.T. -0.25 min

Lab File: BF098897.D

Acq: 28 Sep 2017 8:35

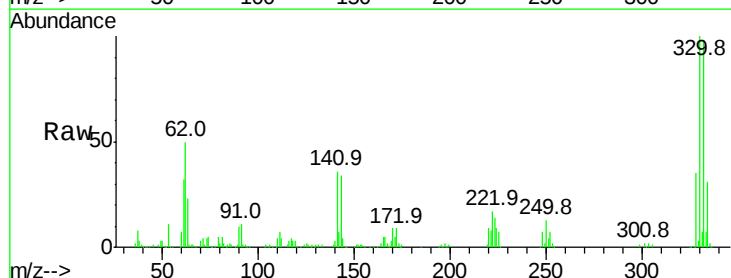
Tgt Ion:248 Resp: 24279

Ion Ratio Lower Upper

248 100

250 198.5 76.9 115.3#

141 536.7 74.4 111.6#

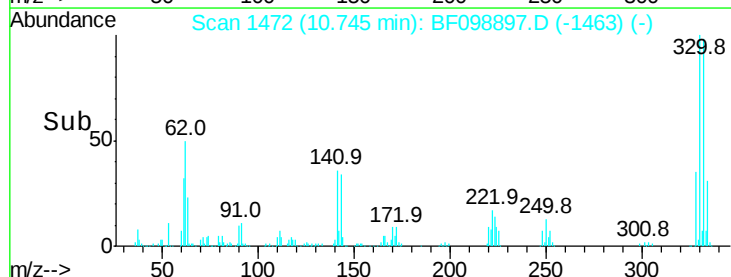


Abundance Ion 248.00 (247.70 to 248.70): E

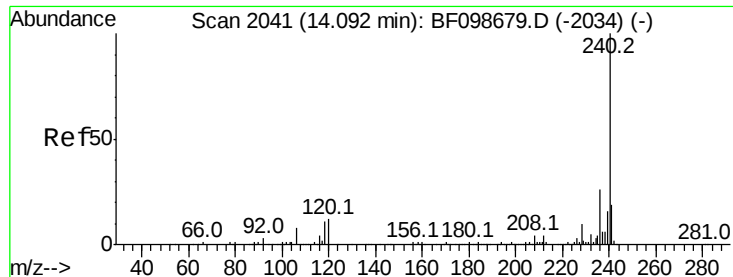
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

Time-->



Time-->



#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.08 min Scan# 2039

Delta R.T. -0.01 min

Lab File: BF098897.D

Acq: 28 Sep 2017 8:35

Instrument :

BNA_F

ClientSampleId :

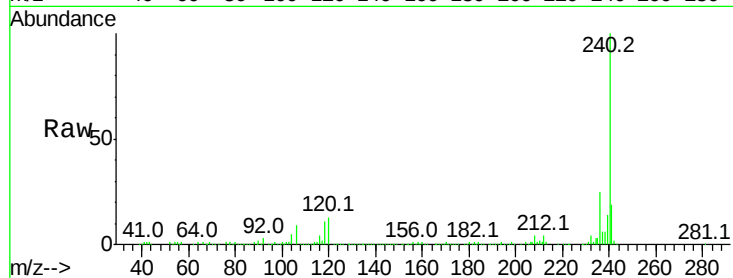
Tot Ion:240 Resp: 266642

Ion Ratio Lower Upper

240 100

120 13.1 9.5 14.3

236 25.1 20.7 31.1



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

14.08

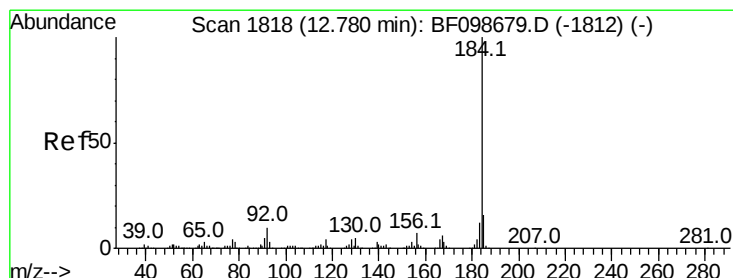
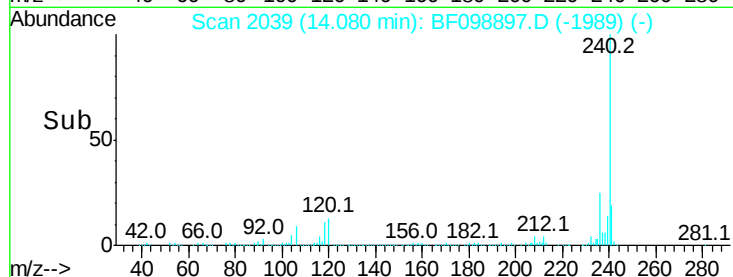
300000

200000

100000

0

Time--> 14.00 14.10 14.20



#76

Benzidine

Concen: 2.278 ng

RT: 13.03 min Scan# 1860

Delta R.T. 0.25 min

Lab File: BF098897.D

Acq: 28 Sep 2017 8:35

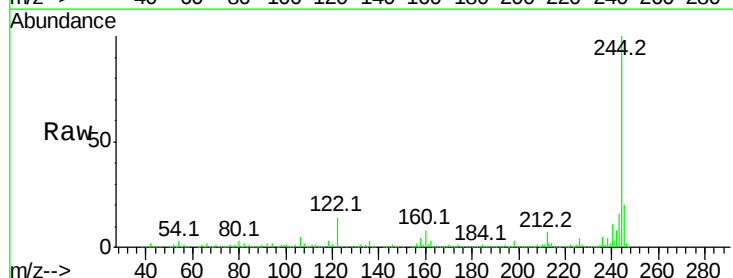
Tgt Ion:184 Resp: 22470

Ion Ratio Lower Upper

184 100

185 17.9 12.6 18.8

183 12.4 9.3 13.9



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

13.03

25000

20000

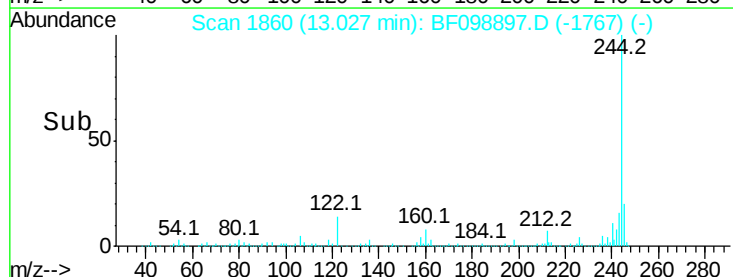
15000

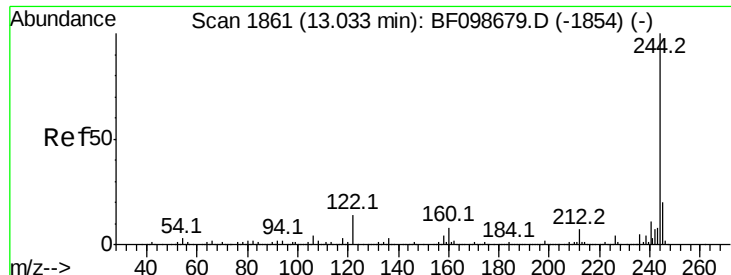
10000

5000

0

Time--> 13.00 13.05





#78

Terphenyl-d14

Concen: 137.164 ng

RT: 13.03 min Scan# 1861

Delta R.T. 0.00 min

Lab File: BF098897.D

Acq: 28 Sep 2017 8:35

Instrument :

BNA_F

ClientSampleId :

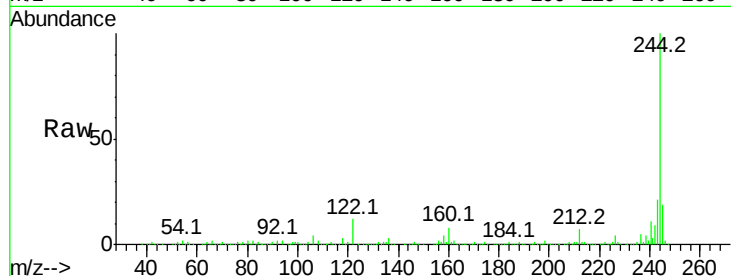
Tot Ion:244 Resp: 1608204

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

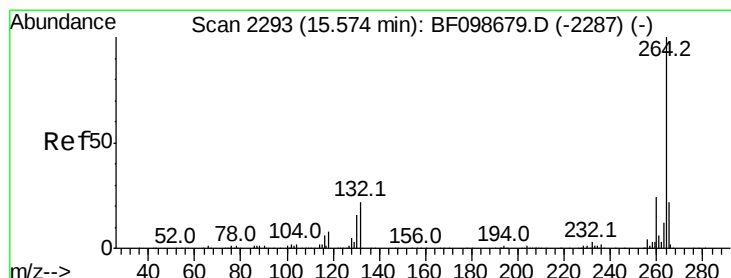
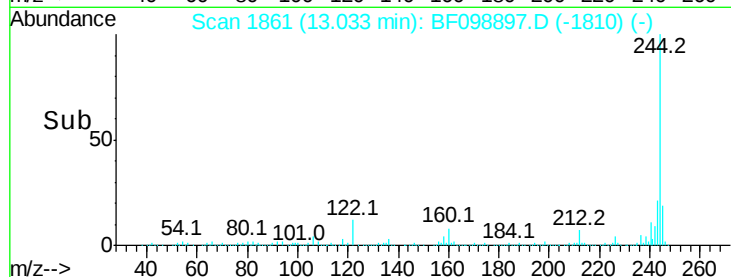
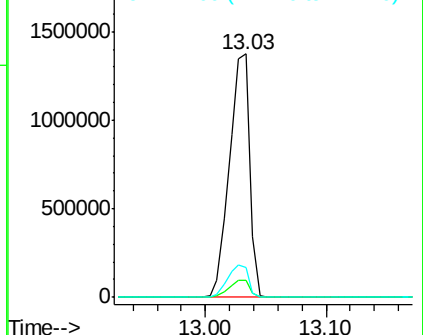
122 12.4 11.0 16.4



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.57 min Scan# 2292

Delta R.T. -0.01 min

Lab File: BF098897.D

Acq: 28 Sep 2017 8:35

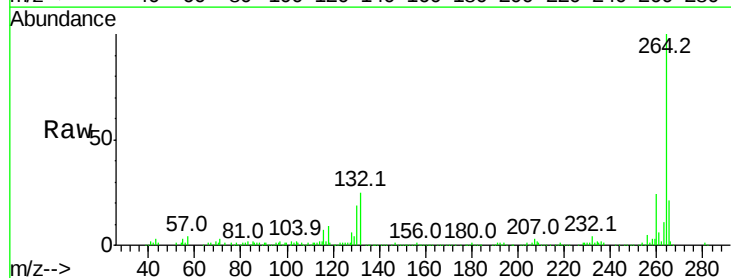
Tgt Ion:264 Resp: 183080

Ion Ratio Lower Upper

264 100

260 24.1 19.2 28.8

265 21.2 17.5 26.3



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

