

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092917\
 Data File : BF098948.D
 Acq On : 29 Sep 2017 15:18
 Operator : SJ/JU
 Sample : I5487-06
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 29 16:07:56 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

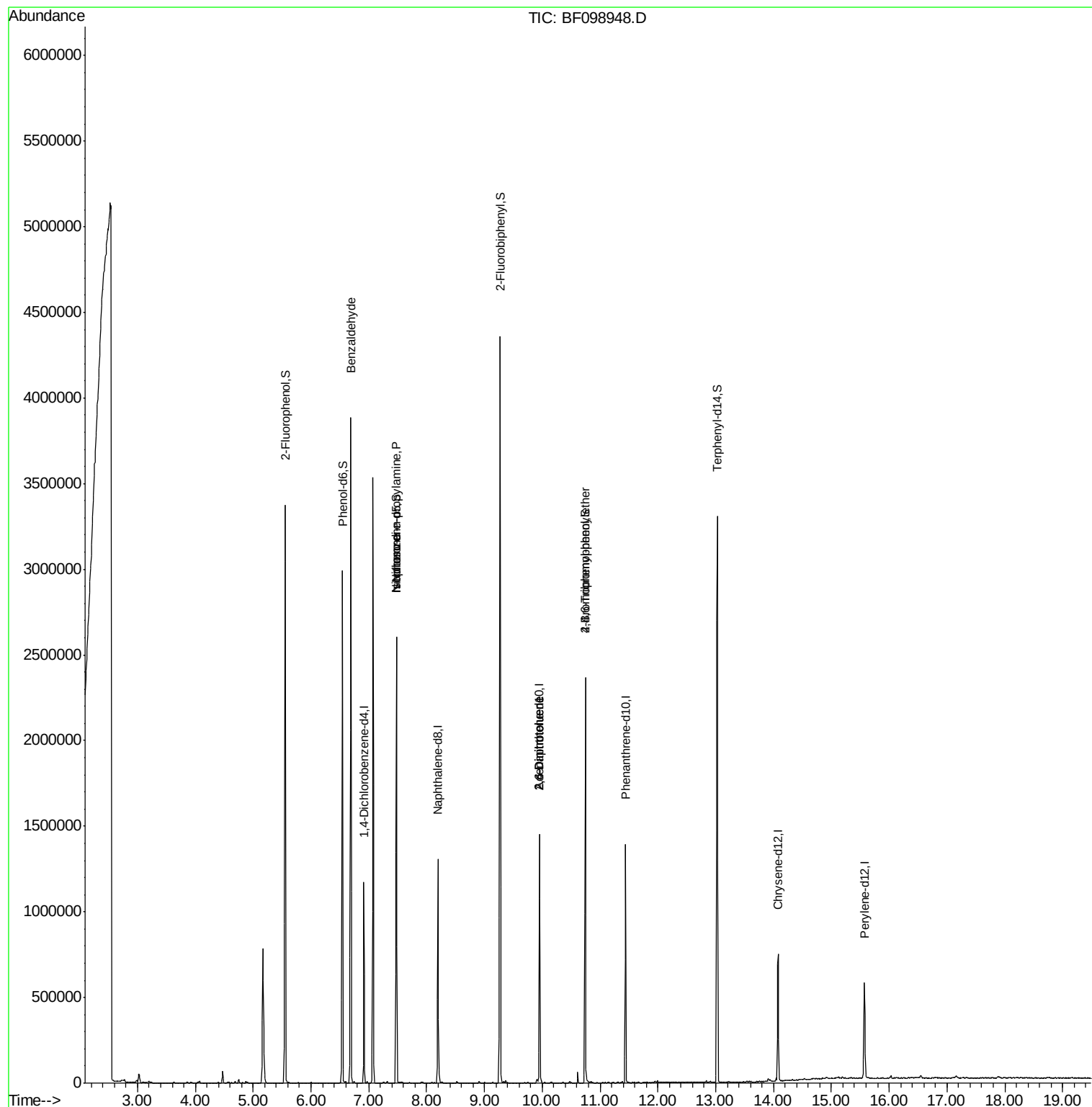
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.92	152	153290	20.00	ng	0.00
21) Naphthalene-d8	8.20	136	641105	20.00	ng	0.00
38) Acenaphthene-d10	9.95	164	285048	20.00	ng	-0.01
63) Phenanthrene-d10	11.44	188	450073	20.00	ng	0.00
75) Chrysene-d12	14.08	240	242345	20.00	ng	0.00
86) Perylene-d12	15.57	264	247914	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	1105230	114.78	ng	0.02
7) Phenol-d6	6.55	99	1191128	100.27	ng	0.00
23) Nitrobenzene-d5	7.48	82	932457	93.27	ng	0.00
41) 2,4,6-Tribromophenol	10.75	330	284232	121.86	ng	0.00
44) 2-Fluorobiphenyl	9.27	172	1554784	91.06	ng	0.00
78) Terphenyl-d14	13.03	244	1086408	101.95	ng	0.00
Target Compounds						
9) Benzaldehyde	6.69	77	24962	3.623	ng	91
19) n-Nitroso-di-n-propylamine	7.48	70	122655	16.172	ng	# 78
25) Isophorone	7.48	82	928298	44.913	ng	# 64
50) 2,6-Dinitrotoluene	9.95	165	35659	7.613	ng	# 25
56) 2,4-Dinitrotoluene	9.95	165	35659	5.866	ng	# 23
66) 4-Bromophenyl-phenylether	10.75	248	19668	4.464	ng	# 1

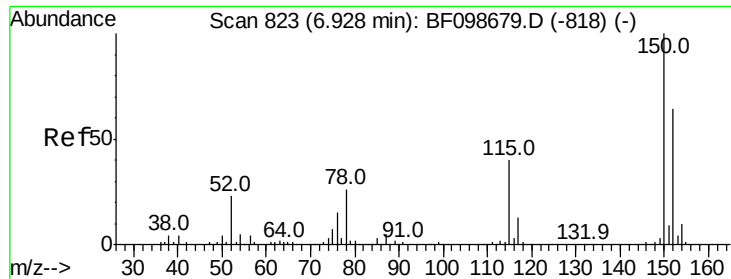
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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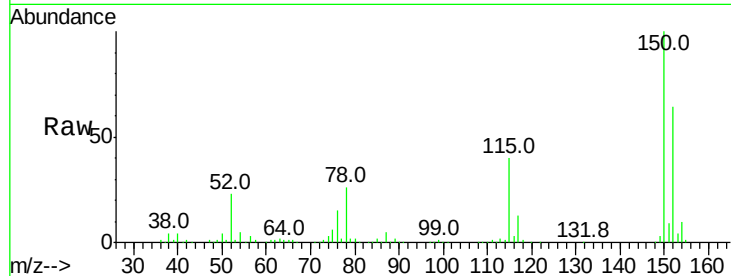


#1

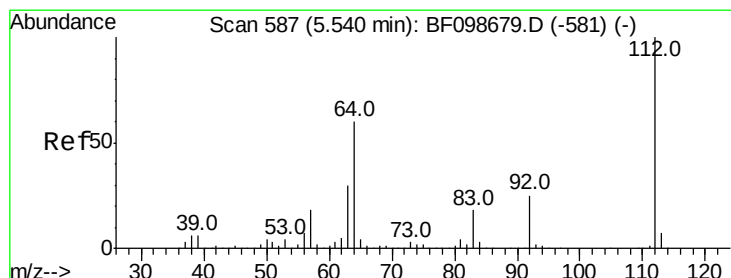
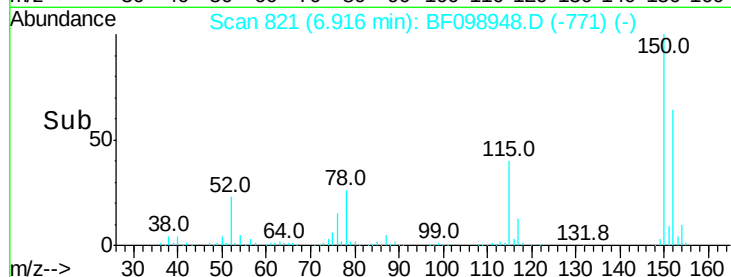
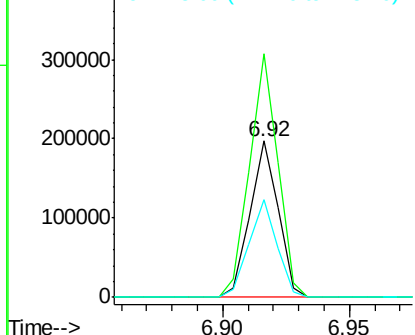
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.92 min Scan# 821
Delta R.T. -0.01 min
Lab File: BF098948.D
Acq: 29 Sep 2017 15:18

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 153290
Ion Ratio Lower Upper
152 100
150 156.0 124.6 186.8
115 62.5 50.1 75.1



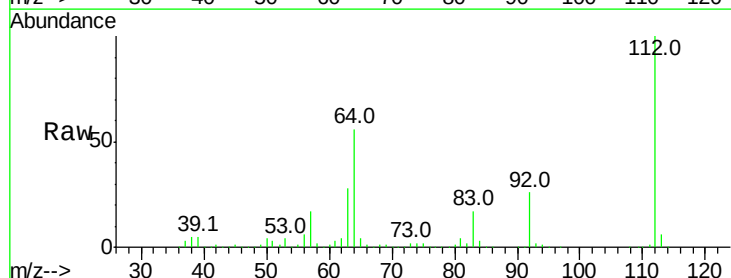
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



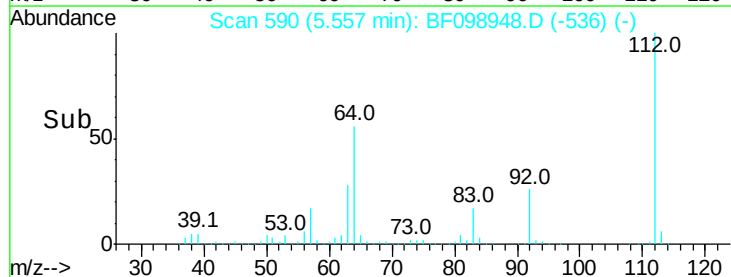
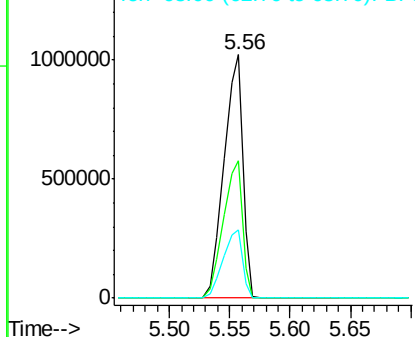
#5

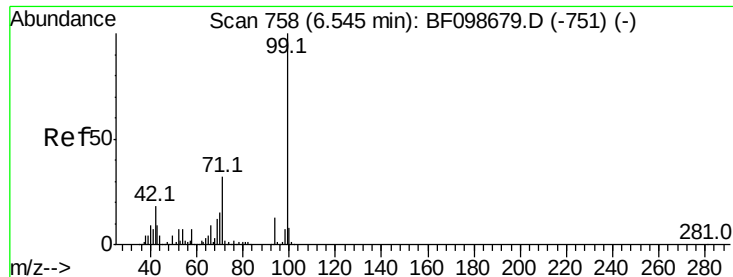
2-Fluorophenol
Concen: 114.777 ng
RT: 5.56 min Scan# 590
Delta R.T. 0.02 min
Lab File: BF098948.D
Acq: 29 Sep 2017 15:18

Tgt Ion:112 Resp: 1105230
Ion Ratio Lower Upper
112 100
64 56.5 47.9 71.9
63 28.1 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: 100.272 ng

RT: 6.55 min Scan# 758

Delta R.T. 0.00 min

Lab File: BF098948.D

Acq: 29 Sep 2017 15:18

Instrument :

BNA_F

ClientSampled :

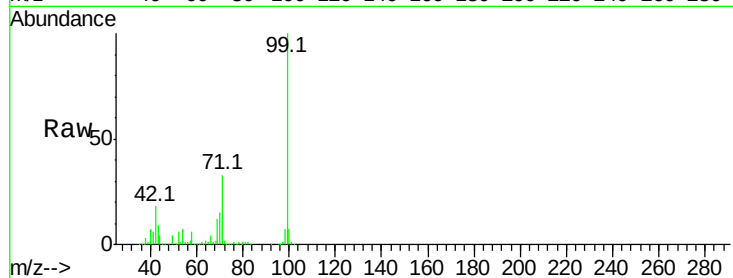
Tot Ion: 99 Resp: 1191128

Ion Ratio Lower Upper

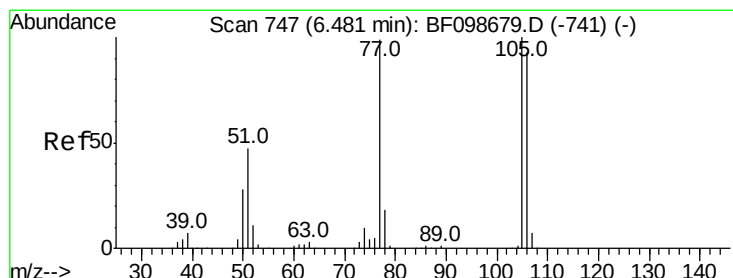
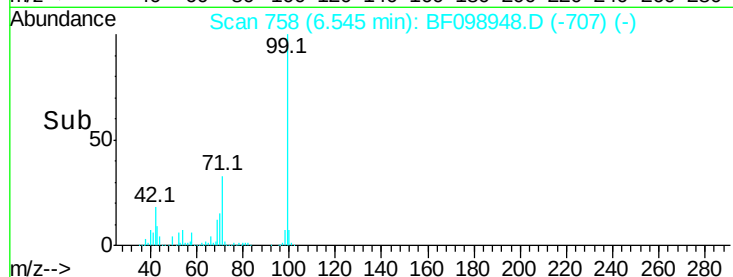
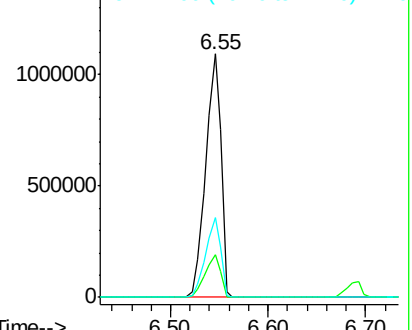
99 100

42 17.6 14.5 21.7

71 33.0 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: 3.623 ng

RT: 6.69 min Scan# 783

Delta R.T. 0.22 min

Lab File: BF098948.D

Acq: 29 Sep 2017 15:18

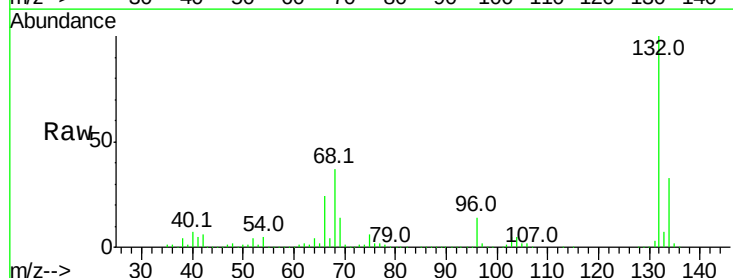
Tgt Ion: 77 Resp: 24962

Ion Ratio Lower Upper

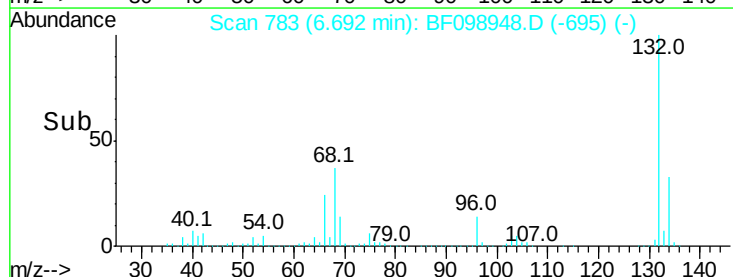
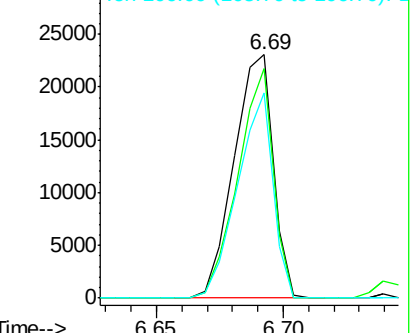
77 100

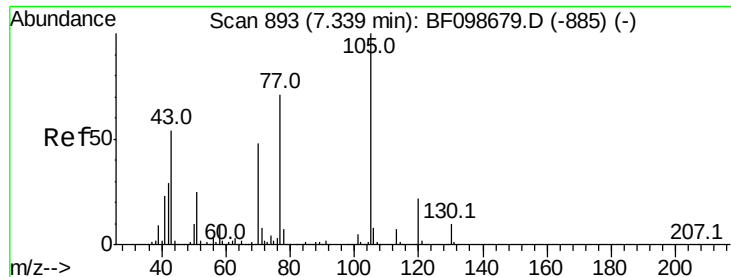
105 94.1 81.1 121.1

106 84.2 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

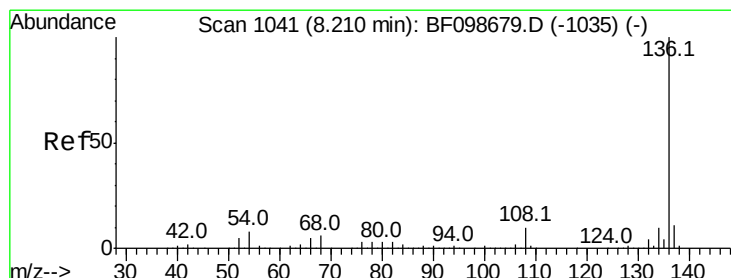
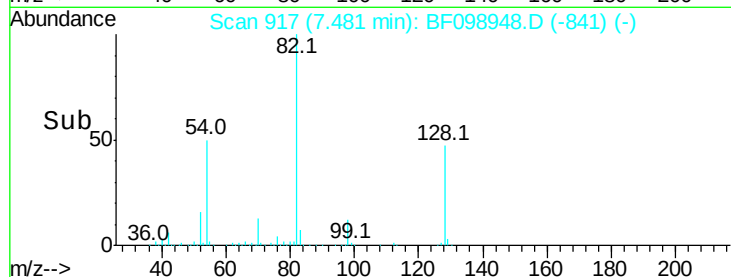
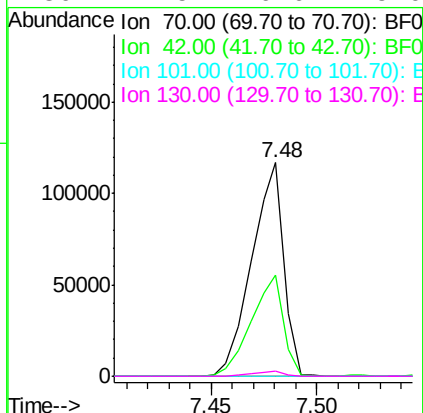
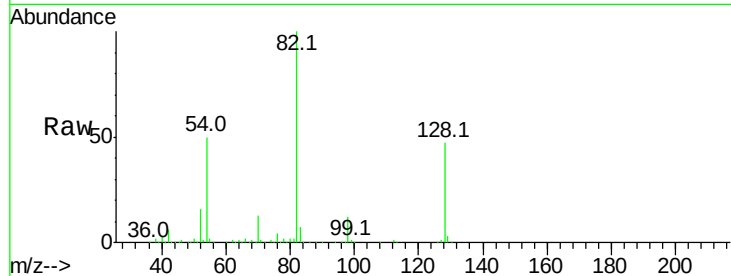




#19
n-Nitroso-di-n-propylamine
Concen: 16.172 ng
RT: 7.48 min Scan# 917
Delta R.T. 0.15 min
Lab File: BF098948.D
Acq: 29 Sep 2017 15:18

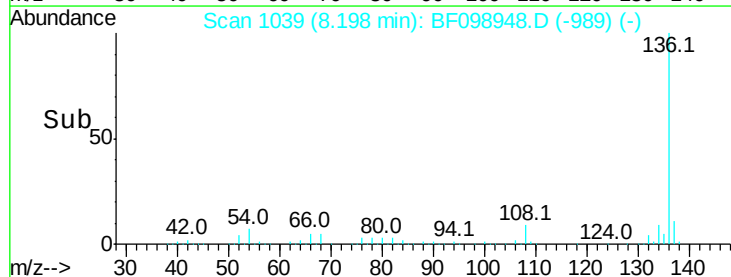
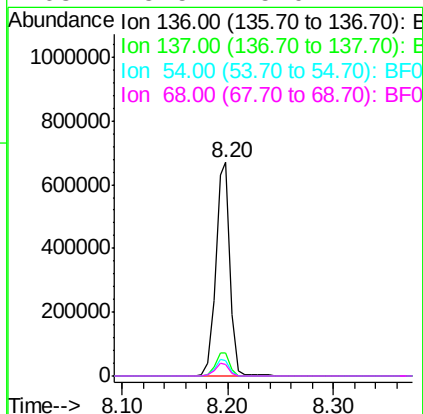
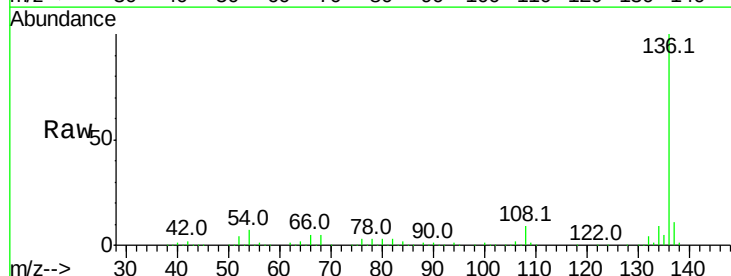
Instrument :
BNA_F
ClientSampleId :

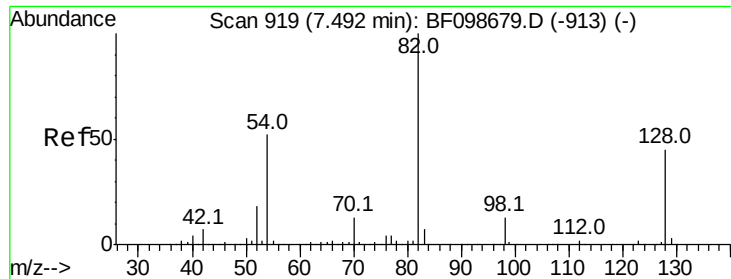
Tot Ion: 70 Resp: 122655
Ion Ratio Lower Upper
70 100
42 47.4 47.5 71.3#
101 0.0 7.4 11.2#
130 2.5 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.20 min Scan# 1039
Delta R.T. -0.01 min
Lab File: BF098948.D
Acq: 29 Sep 2017 15:18

Tgt Ion: 136 Resp: 641105
Ion Ratio Lower Upper
136 100
137 10.8 8.9 13.3
54 7.0 6.6 9.8
68 5.5 5.0 7.4

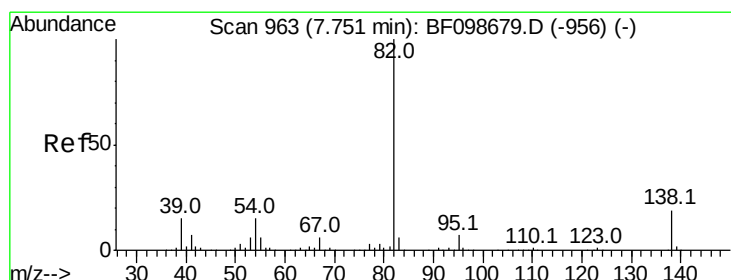
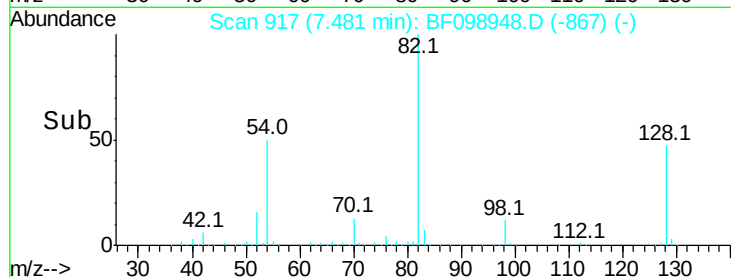
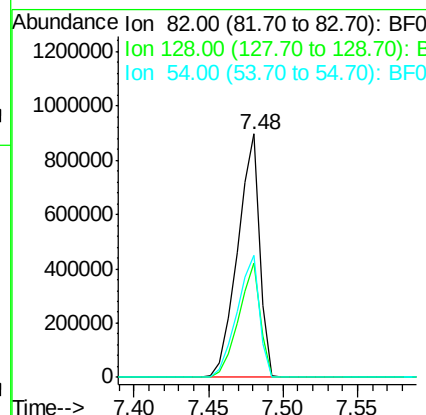
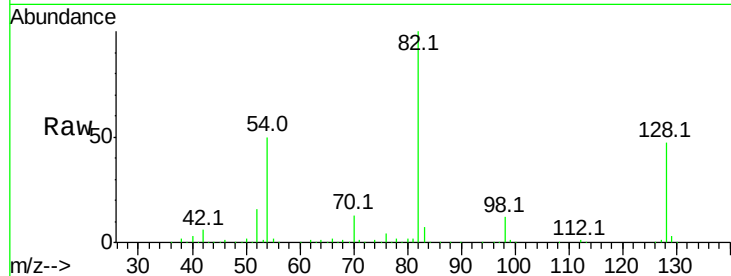




#23
 Nitrobenzene-d5
 Concen: 93.274 ng
 RT: 7.48 min Scan# 917
 Delta R.T. -0.01 min
 Lab File: BF098948.D
 Acq: 29 Sep 2017 15:18

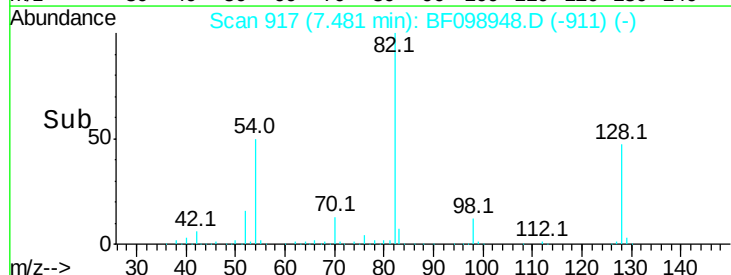
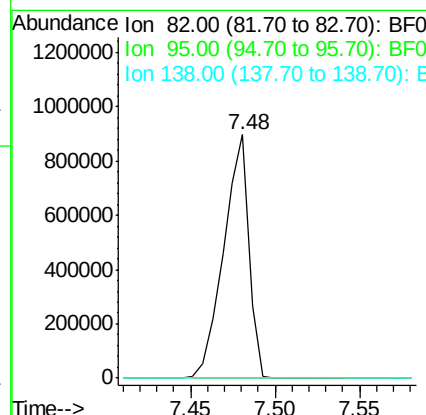
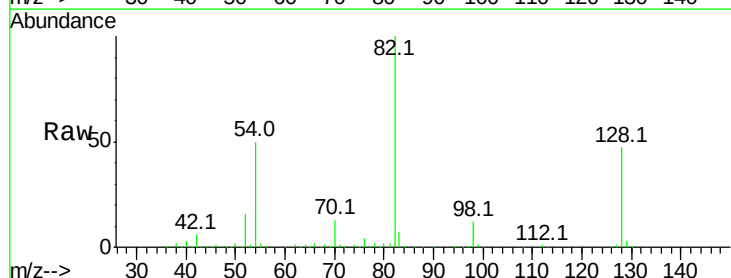
Instrument :
 BNA_F
 ClientSampleID :

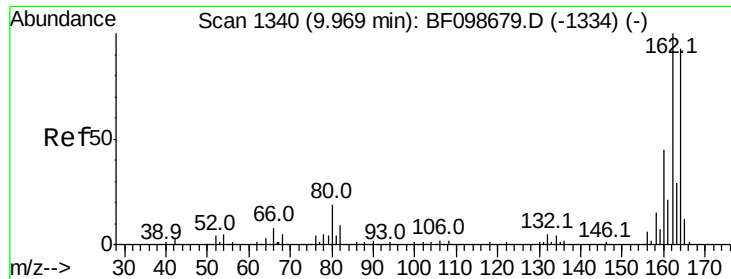
Tot Ion	82	Resp	932457
Ion Ratio	100	Lower	Upper
128	46.8	36.1	54.1
54	50.1	41.4	62.2



#25
 Isophorone
 Concen: 44.913 ng
 RT: 7.48 min Scan# 917
 Delta R.T. -0.26 min
 Lab File: BF098948.D
 Acq: 29 Sep 2017 15:18

Tgt Ion	82	Resp	928298
Ion Ratio	100	Lower	Upper
95	0.0	5.2	7.8#
138	0.0	14.9	22.3#





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.95 min Scan# 1337

Delta R.T. -0.01 min

Lab File: BF098948.D

Acq: 29 Sep 2017 15:18

Instrument :

BNA_F

ClientSampleId :

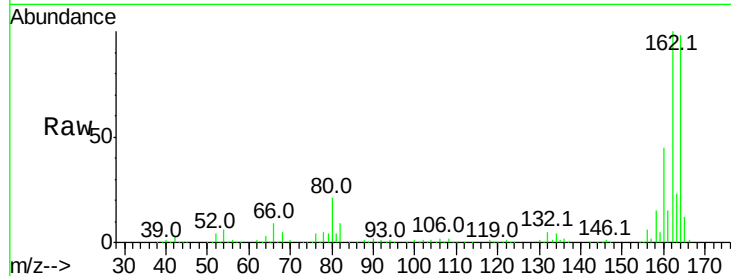
Tot Ion:164 Resp: 285048

Ion Ratio Lower Upper

164 100

162 102.4 86.1 129.1

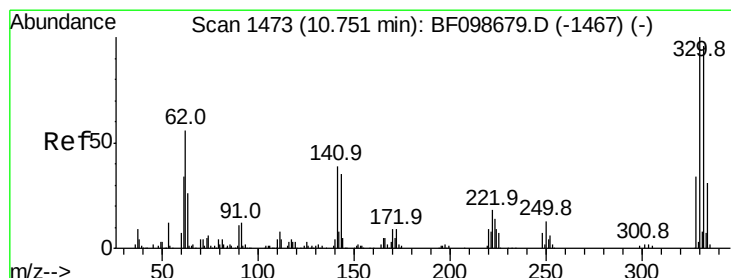
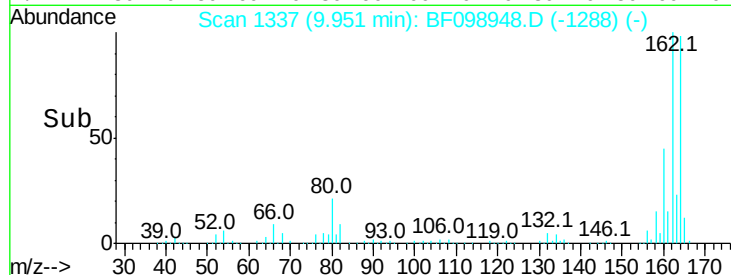
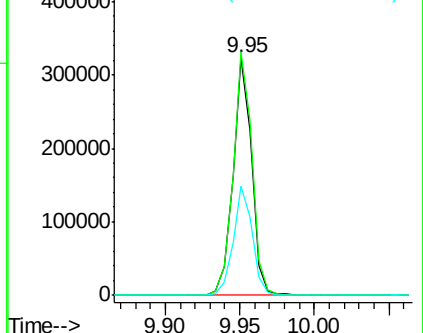
160 46.0 38.3 57.5



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: 121.859 ng

RT: 10.75 min Scan# 1472

Delta R.T. -0.01 min

Lab File: BF098948.D

Acq: 29 Sep 2017 15:18

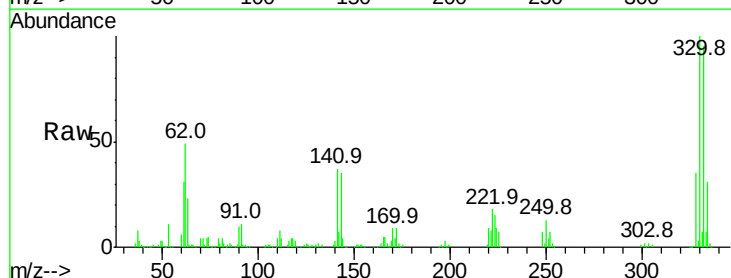
Tgt Ion:330 Resp: 284232

Ion Ratio Lower Upper

330 100

332 95.9 77.0 115.6

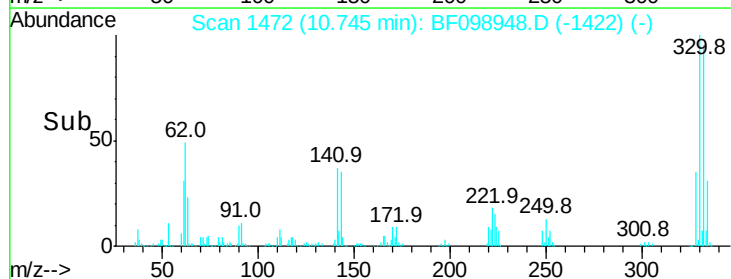
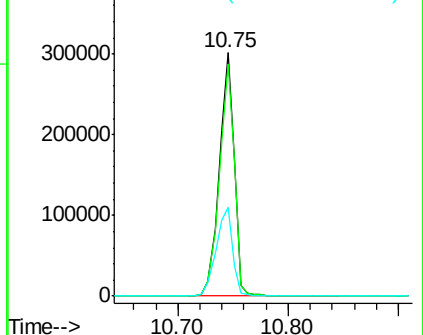
141 40.1 29.9 44.9

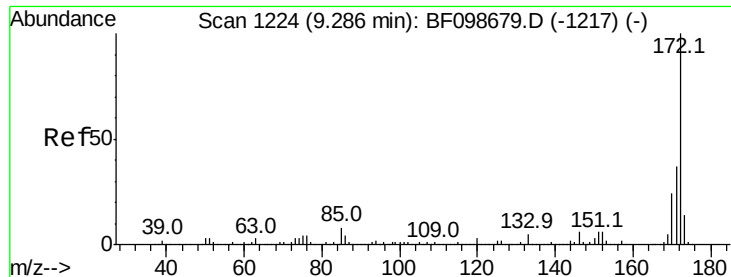


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



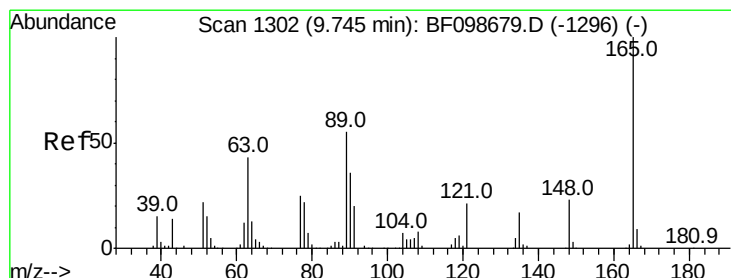
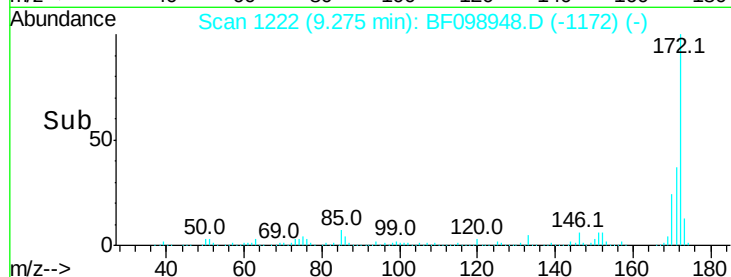
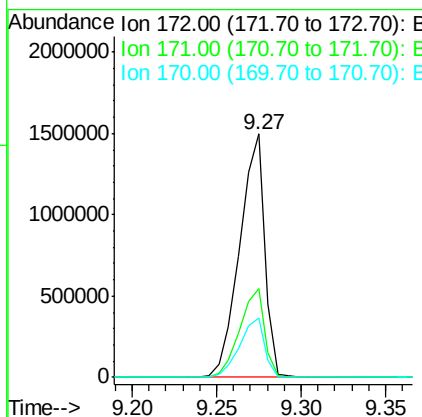
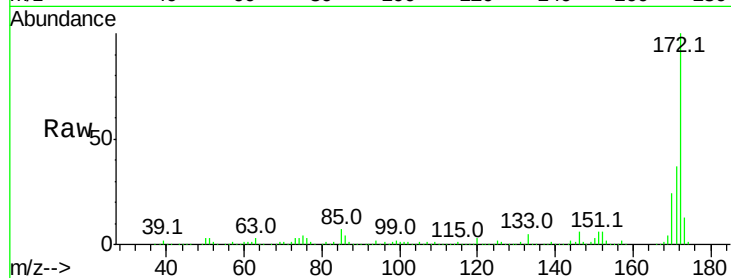


#44
 2-Fluorobiphenyl
 Concen: 91.058 ng
 RT: 9.27 min Scan# 1222
 Delta R.T. -0.01 min
 Lab File: BF098948.D
 Acq: 29 Sep 2017 15:18

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1554784

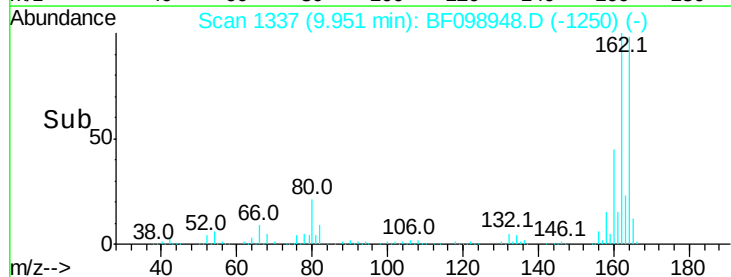
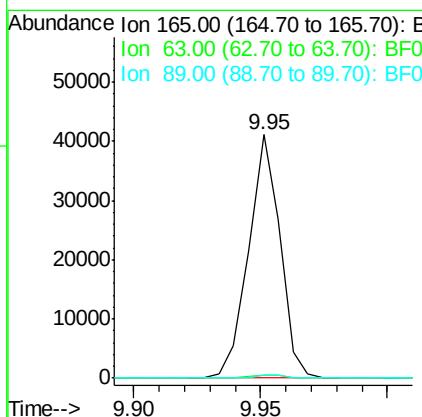
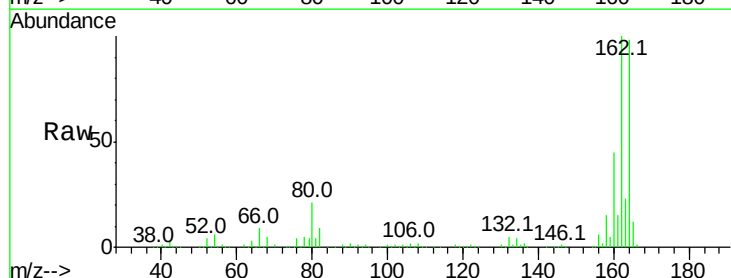
Ion	Ratio	Lower	Upper
172	100		
171	36.7	29.7	44.5
170	24.4	19.6	29.4

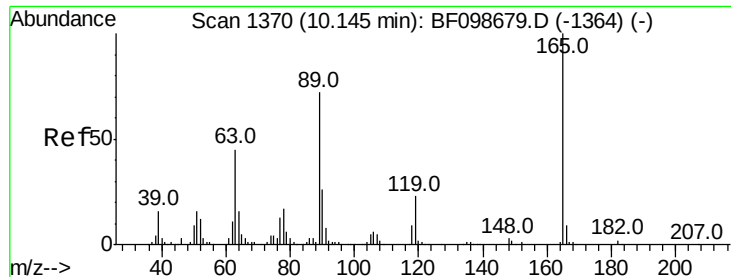


#50
 2,6-Dinitrotoluene
 Concen: 7.613 ng
 RT: 9.95 min Scan# 1337
 Delta R.T. 0.21 min
 Lab File: BF098948.D
 Acq: 29 Sep 2017 15:18

Tgt Ion:165 Resp: 35659

Ion	Ratio	Lower	Upper
165	100		
63	1.3	44.7	67.1#
89	1.3	44.0	66.0#

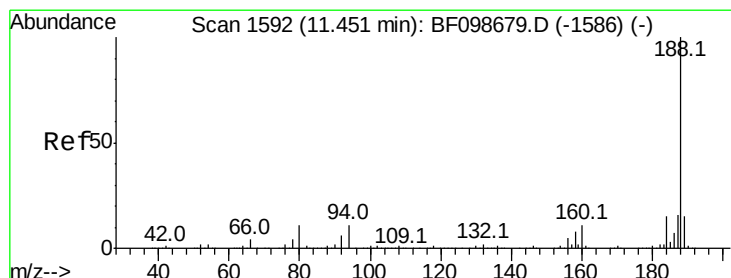
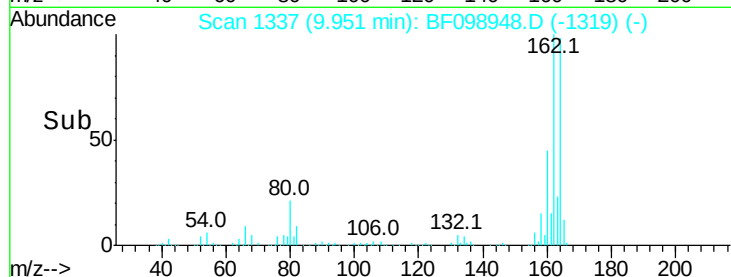
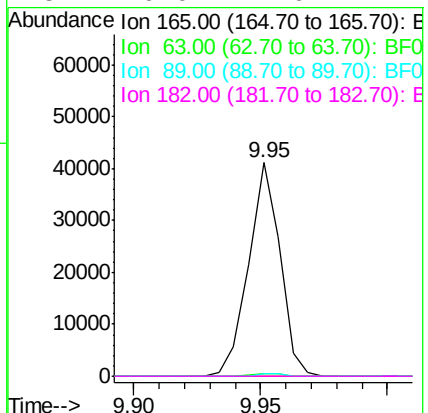
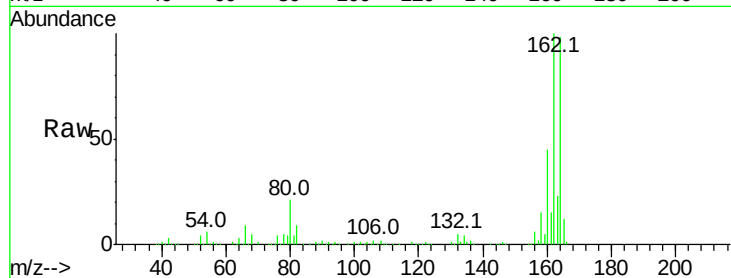




#56
 2,4-Dinitrotoluene
 Concen: 5.866 ng
 RT: 9.95 min Scan# 1337
 Delta R.T. -0.19 min
 Lab File: BF098948.D
 Acq: 29 Sep 2017 15:18

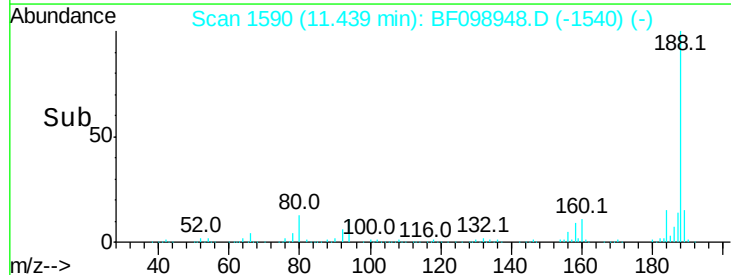
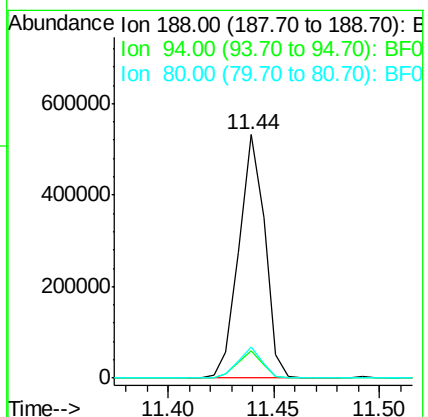
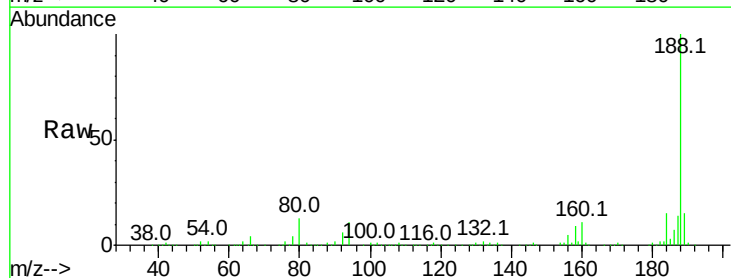
Instrument :
 BNA_F
 ClientSampleId :

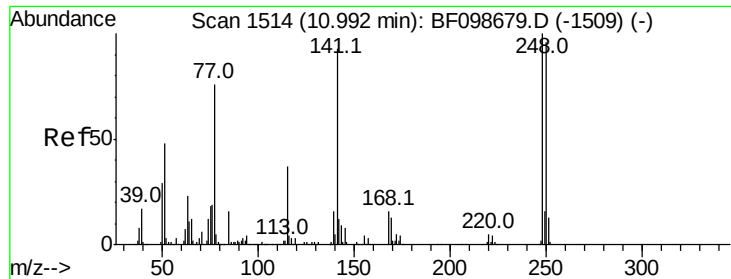
Tot Ion:165 Resp: 35659
 Ion Ratio Lower Upper
 165 100
 63 1.3 36.4 54.6#
 89 1.3 57.8 86.6#
 182 0.0 1.6 2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.44 min Scan# 1590
 Delta R.T. -0.01 min
 Lab File: BF098948.D
 Acq: 29 Sep 2017 15:18

Tgt Ion:188 Resp: 450073
 Ion Ratio Lower Upper
 188 100
 94 11.2 8.5 12.7
 80 12.6 9.2 13.8

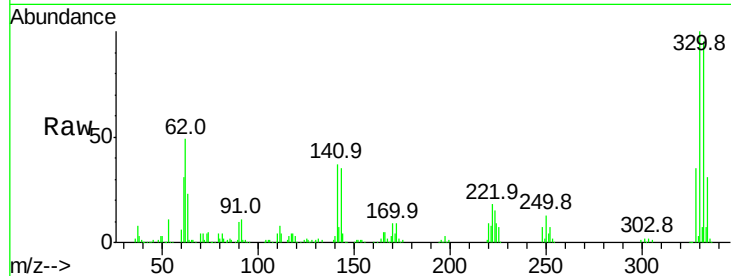




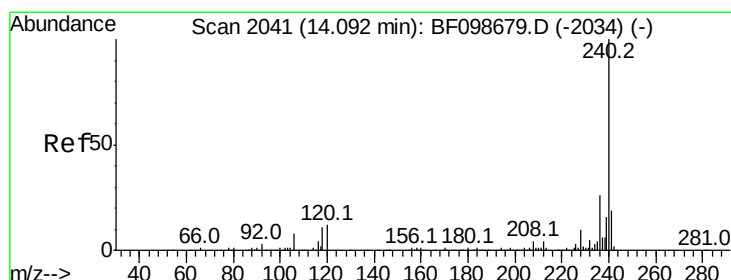
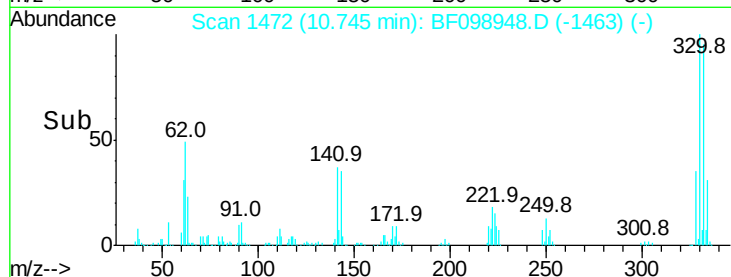
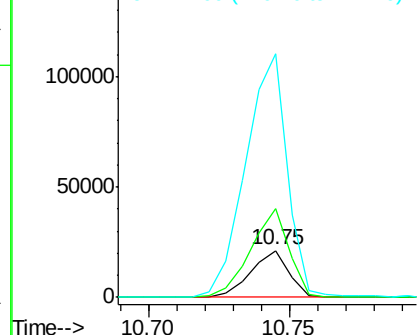
#66
 4-Bromophenyl-phenylether
 Concen: 4.464 ng
 RT: 10.75 min Scan# 1472
 Delta R.T. -0.25 min
 Lab File: BF098948.D
 Acq: 29 Sep 2017 15:18

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 19668
 Ion Ratio Lower Upper
 248 100
 250 189.9 76.9 115.3#
 141 517.6 74.4 111.6#

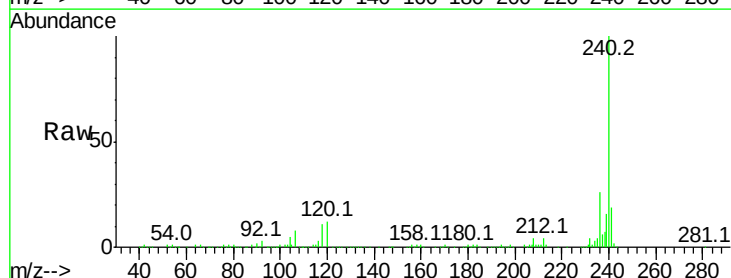


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

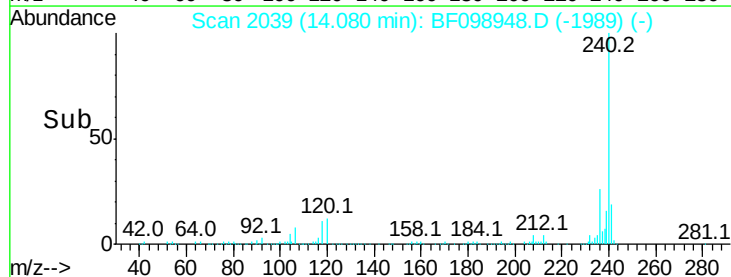
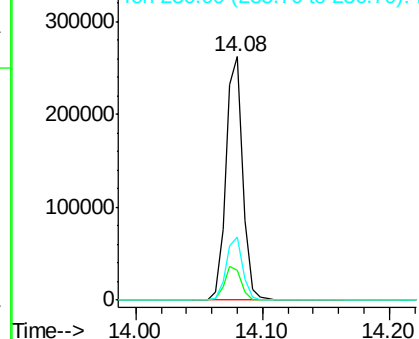


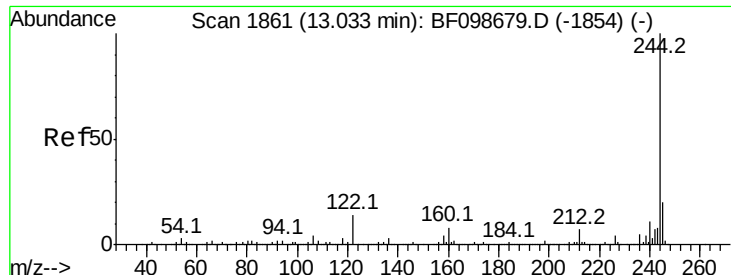
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.08 min Scan# 2039
 Delta R.T. -0.01 min
 Lab File: BF098948.D
 Acq: 29 Sep 2017 15:18

Tgt Ion:240 Resp: 242345
 Ion Ratio Lower Upper
 240 100
 120 12.3 9.5 14.3
 236 26.1 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





#78

Terphenyl-d14

Concen: 101.950 ng

RT: 13.03 min Scan# 1860

Delta R.T. -0.01 min

Lab File: BF098948.D

Acq: 29 Sep 2017 15:18

Instrument :

BNA_F

ClientSampled :

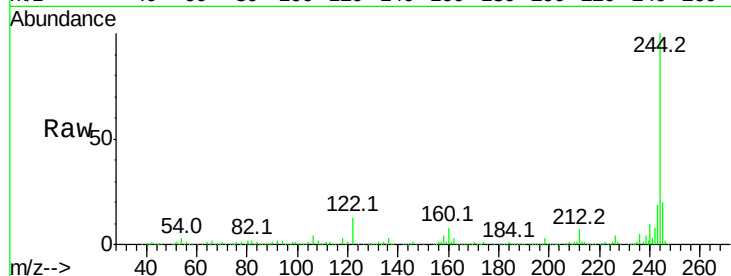
Tot Ion:244 Resp: 1086408

Ion Ratio Lower Upper

244 100

212 7.4 5.4 8.0

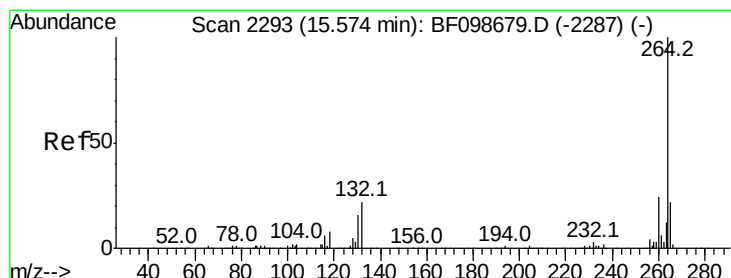
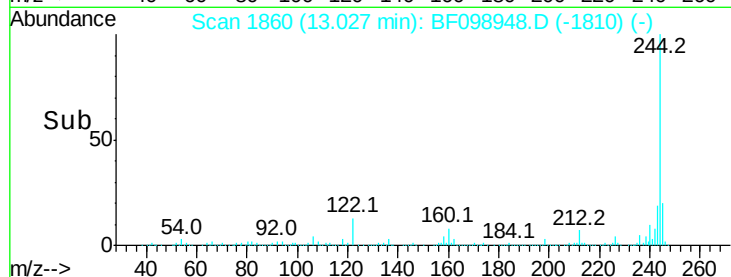
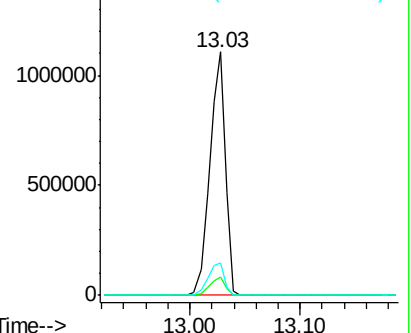
122 13.3 11.0 16.4



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# 2293

Delta R.T. 0.00 min

Lab File: BF098948.D

Acq: 29 Sep 2017 15:18

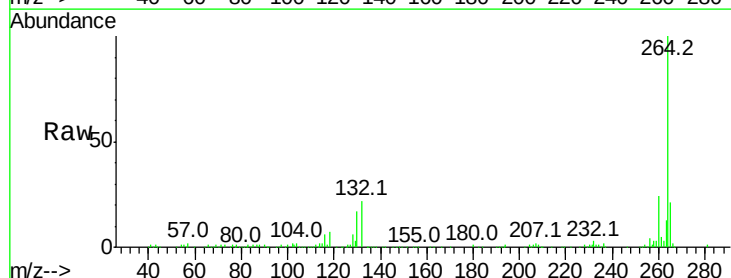
Tgt Ion:264 Resp: 247914

Ion Ratio Lower Upper

264 100

260 24.2 19.2 28.8

265 21.3 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

