

Data Path : Z:\HPCHEM1\BNA F\DATA\BF093017\
 Data File : BF098960.D
 Acq On : 30 Sep 2017 14:04
 Operator : SJ/JU
 Sample : PB102773BL
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 30 23:24:40 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

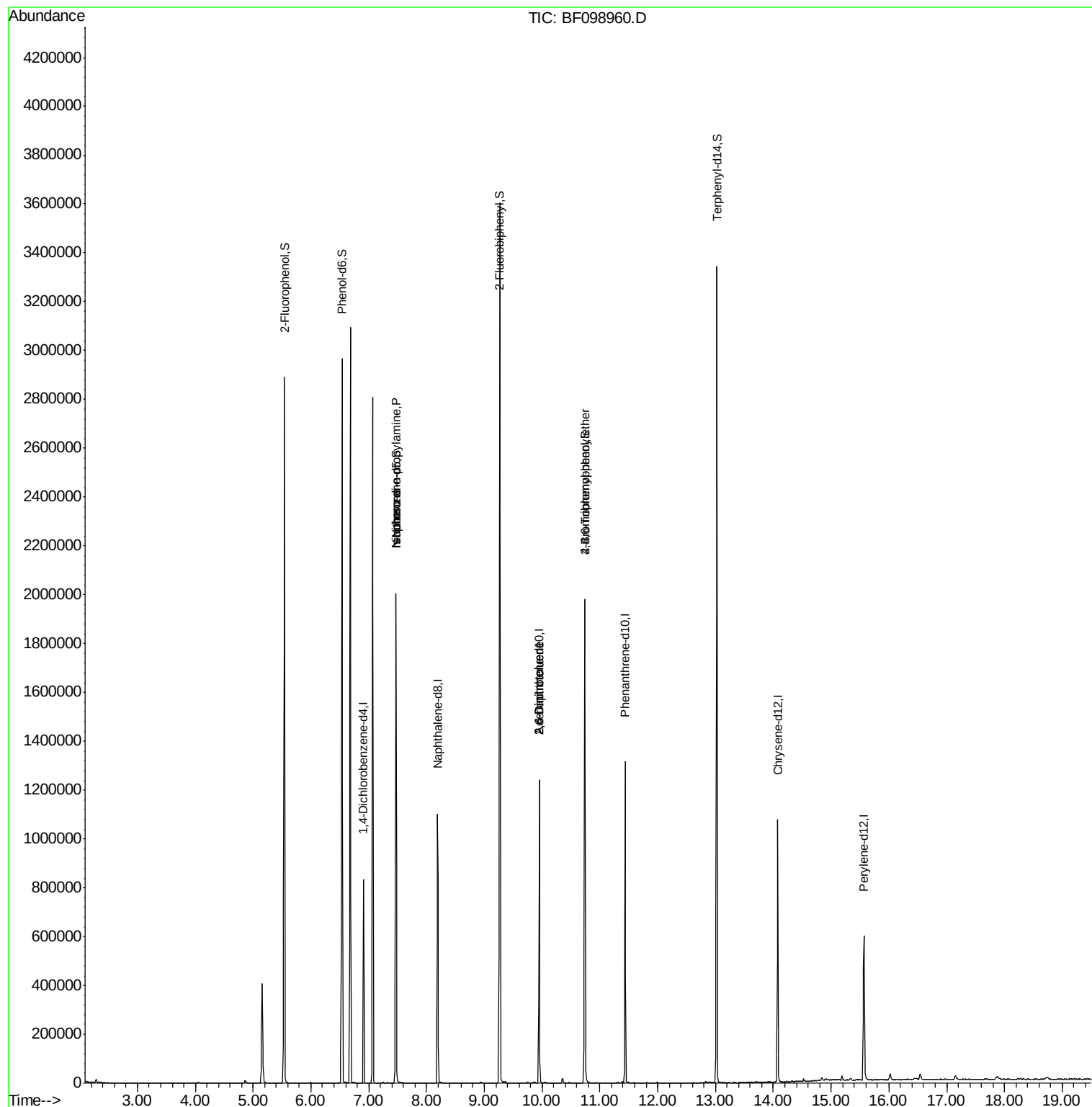
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.92	152	122823	20.00	ng	0.00
21) Naphthalene-d8	8.19	136	524049	20.00	ng	-0.01
38) Acenaphthene-d10	9.95	164	244912	20.00	ng	-0.01
63) Phenanthrene-d10	11.44	188	447986	20.00	ng	0.00
75) Chrysene-d12	14.07	240	352414	20.00	ng	-0.01
86) Perylene-d12	15.57	264	260443	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.55	112	946186	122.63	ng	0.00
7) Phenol-d6	6.54	99	1111847	116.82	ng	0.00
23) Nitrobenzene-d5	7.47	82	702839	86.01	ng	-0.01
41) 2,4,6-Tribromophenol	10.75	330	250221	124.86	ng	0.00
44) 2-Fluorobiphenyl	9.27	172	1280582	87.29	ng	-0.01
78) Terphenyl-d14	13.03	244	1186631	76.58	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.47	70	91996	15.139	ng	# 78
25) Isophorone	7.47	82	699869	41.425	ng	# 64
50) 2,6-Dinitrotoluene	9.95	165	30919	7.683	ng	# 25
56) 2,4-Dinitrotoluene	9.95	165	30919	5.920	ng	# 23
66) 4-Bromophenyl-phenylether	10.74	248	17260	3.936	ng	# 1

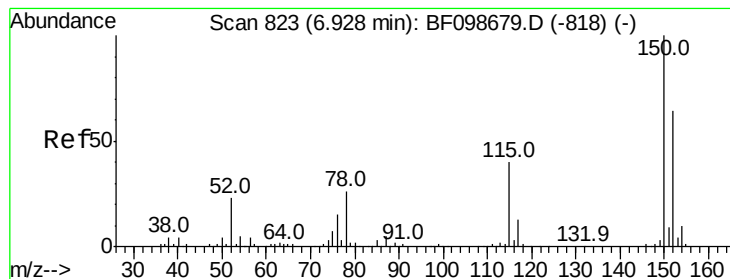
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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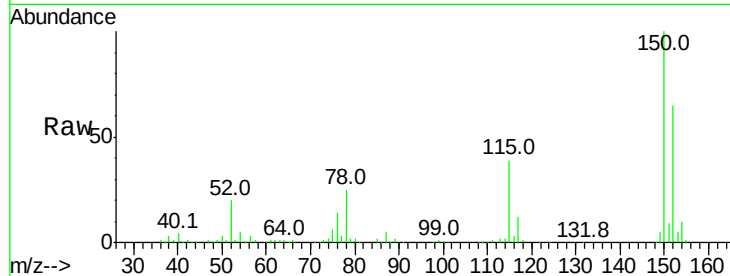


#1

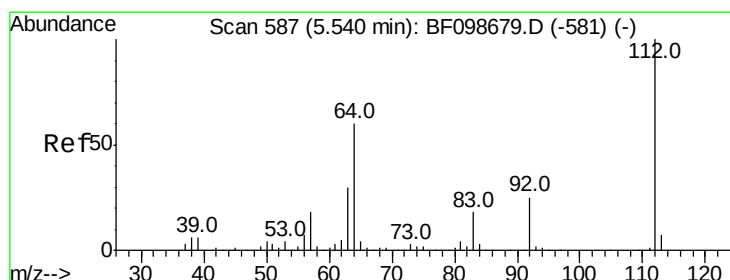
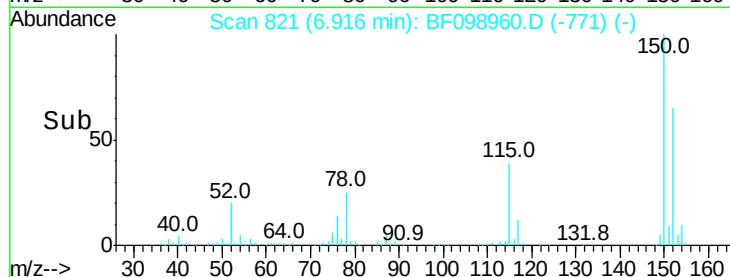
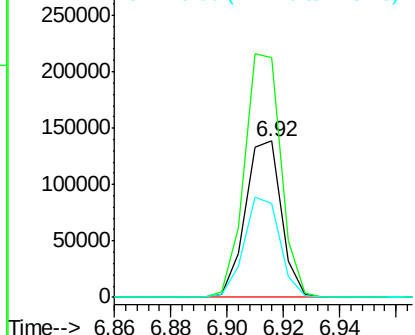
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.92 min Scan# 821
Delta R.T. -0.01 min
Lab File: BF098960.D
Acq: 30 Sep 2017 14:04

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 122823
Ion Ratio Lower Upper
152 100
150 153.4 124.6 186.8
115 59.9 50.1 75.1



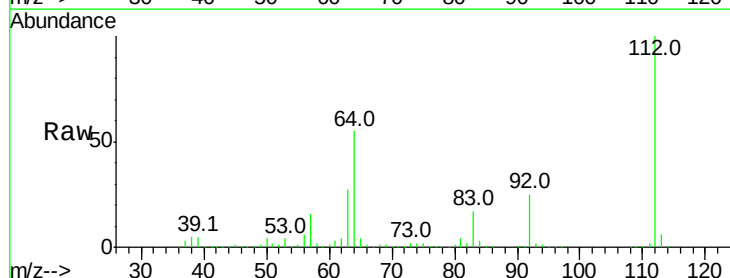
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



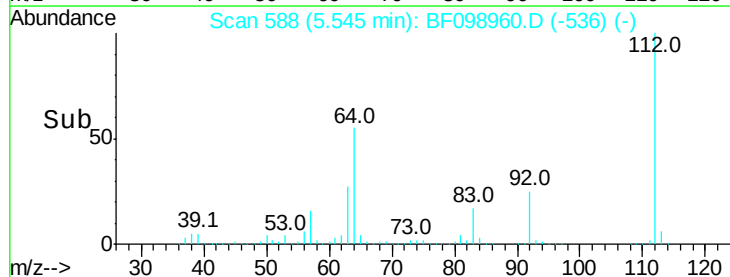
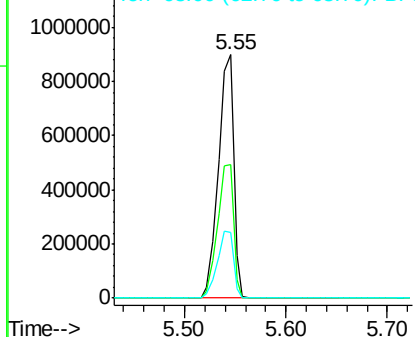
#5

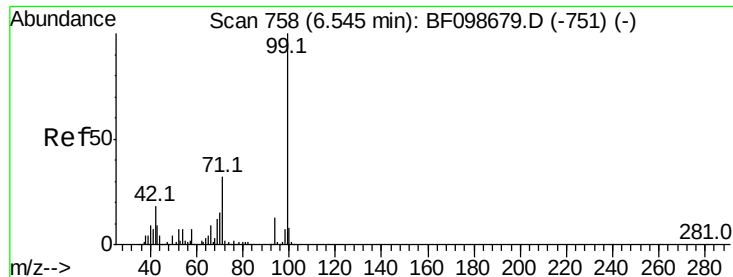
2-Fluorophenol
Concen: 122.635 ng
RT: 5.55 min Scan# 588
Delta R.T. 0.01 min
Lab File: BF098960.D
Acq: 30 Sep 2017 14:04

Tgt Ion:112 Resp: 946186
Ion Ratio Lower Upper
112 100
64 54.7 47.9 71.9
63 27.1 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: 116.816 ng

RT: 6.54 min Scan# 757

Delta R.T. -0.01 min

Lab File: BF098960.D

Acq: 30 Sep 2017 14:04

Instrument :

BNA_F

ClientSampled :

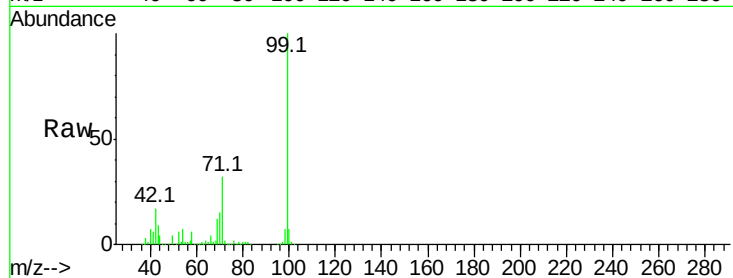
Tot Ion: 99 Resp: 1111847

Ion Ratio Lower Upper

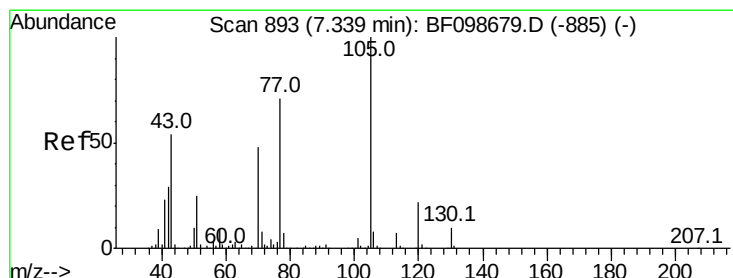
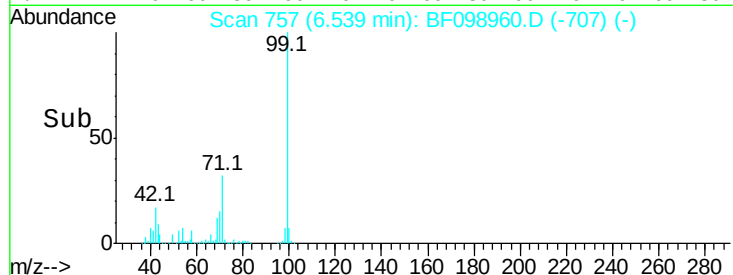
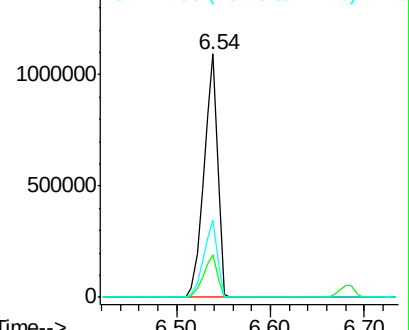
99 100

42 17.3 14.5 21.7

71 31.9 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



#19

n-Nitroso-di-n-propylamine

Concen: 15.139 ng

RT: 7.47 min Scan# 916

Delta R.T. 0.14 min

Lab File: BF098960.D

Acq: 30 Sep 2017 14:04

Tgt Ion: 70 Resp: 91996

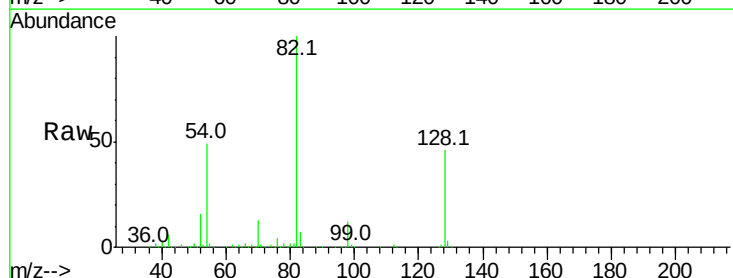
Ion Ratio Lower Upper

70 100

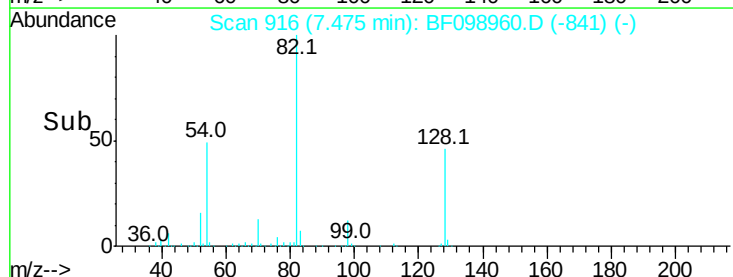
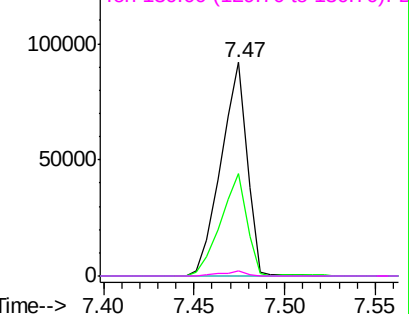
42 47.8 47.5 71.3

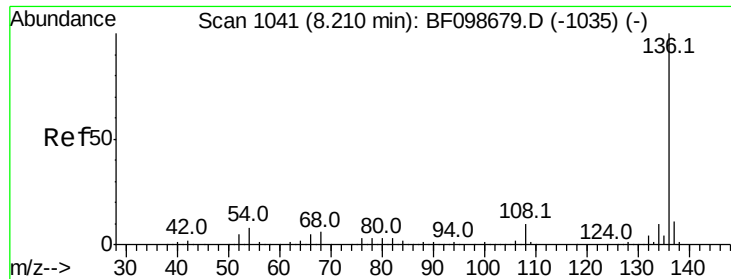
101 0.0 7.4 11.2#

130 2.3 16.6 25.0#



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): BF0
Ion 130.00 (129.70 to 130.70): BF0

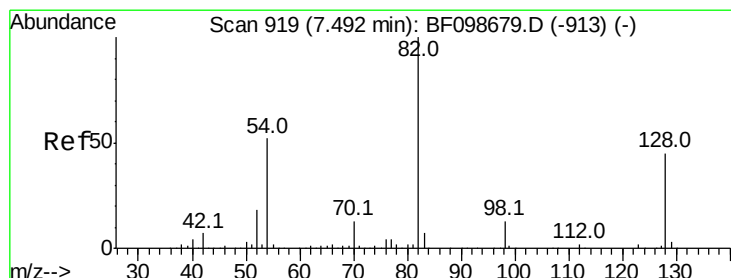
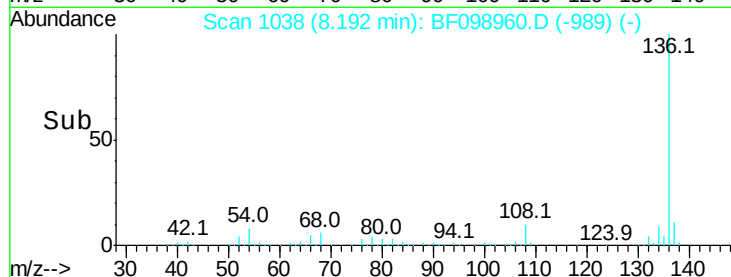
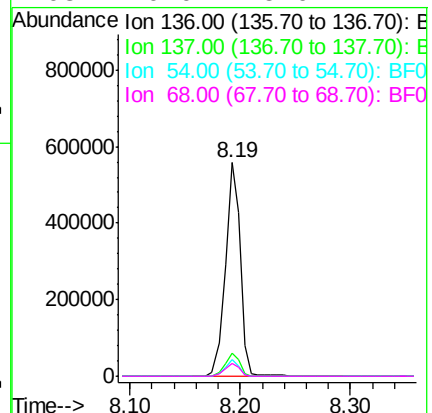
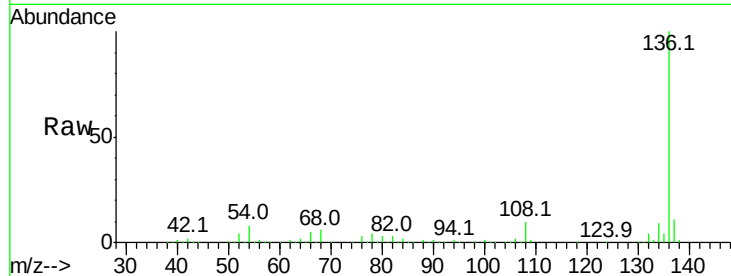




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.19 min Scan# 1038
Delta R.T. -0.01 min
Lab File: BF098960.D
Acq: 30 Sep 2017 14:04

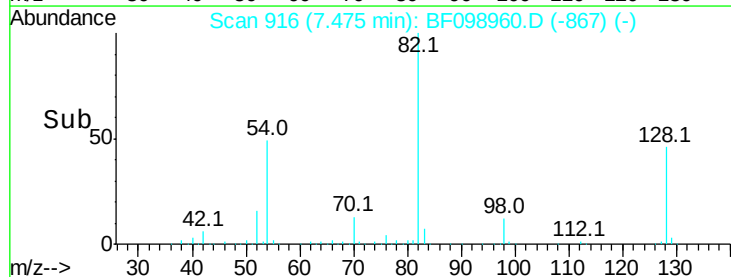
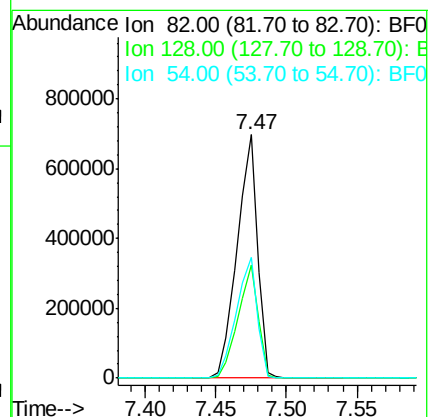
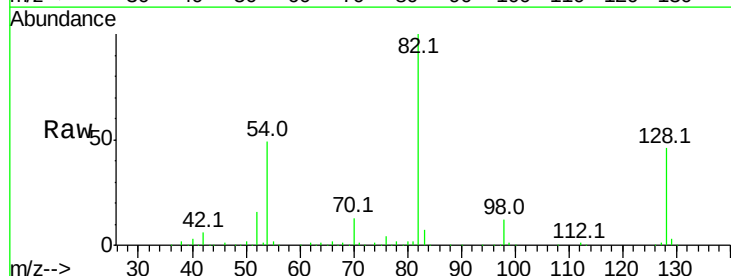
Instrument :
BNA_F
ClientSampleId :

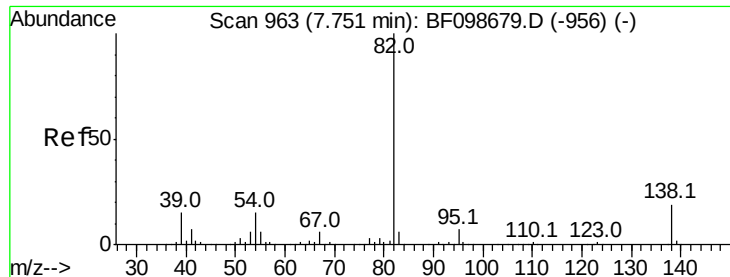
Tot Ion:	136	Resp:	524049
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	7.8	6.6	9.8
68	6.0	5.0	7.4



#23
Nitrobenzene-d5
Concen: 86.009 ng
RT: 7.47 min Scan# 916
Delta R.T. -0.01 min
Lab File: BF098960.D
Acq: 30 Sep 2017 14:04

Tgt Ion:	82	Resp:	702839
Ion	Ratio	Lower	Upper
82	100		
128	46.3	36.1	54.1
54	49.4	41.4	62.2





#25

Isophorone

Concen: 41.425 ng

RT: 7.47 min Scan# 916

Delta R.T. -0.27 min

Lab File: BF098960.D

Acq: 30 Sep 2017 14:04

Instrument :

BNA_F

ClientSampled :

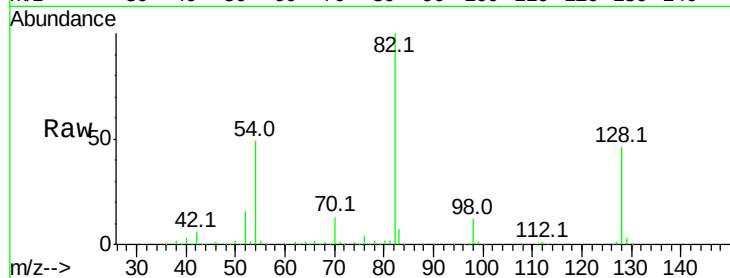
Tot Ion: 82 Resp: 699869

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

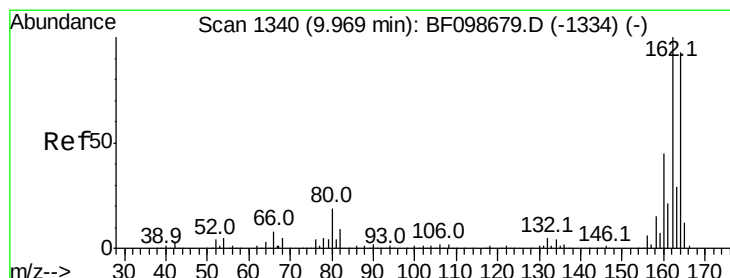
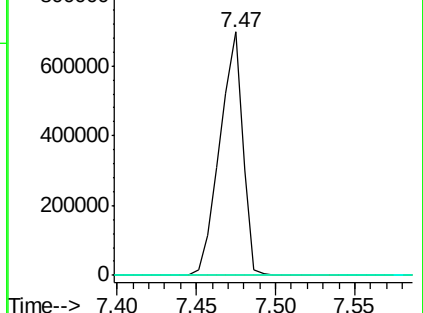
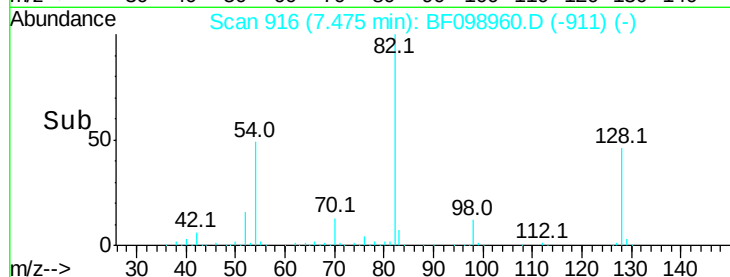
138 0.0 14.9 22.3#



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: BF098960.D

Acq: 30 Sep 2017 14:04

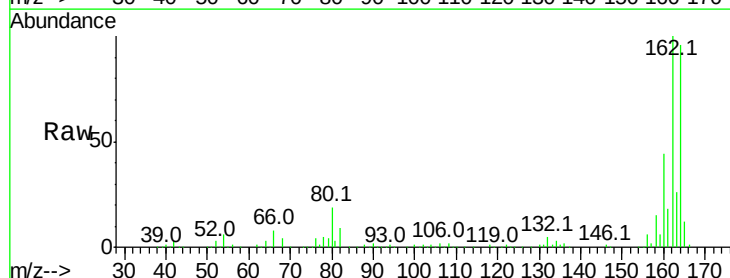
Tgt Ion:164 Resp: 244912

Ion Ratio Lower Upper

164 100

162 104.1 86.1 129.1

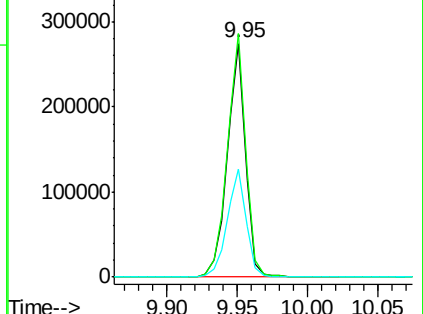
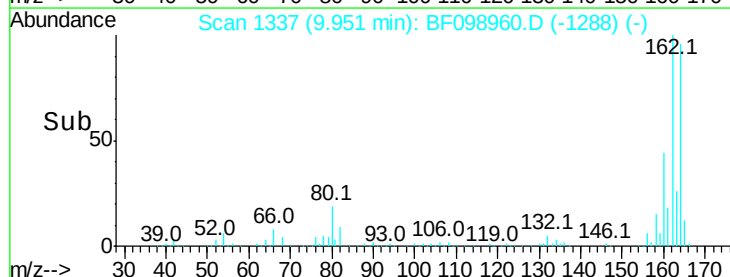
160 46.3 38.3 57.5

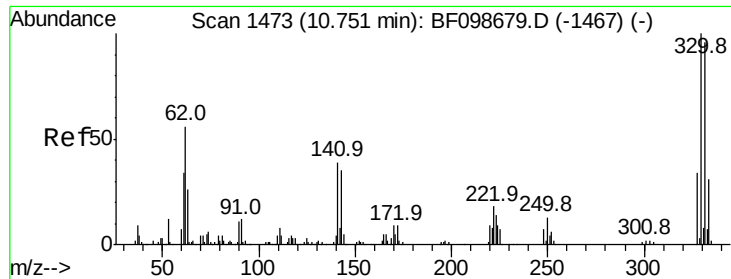


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

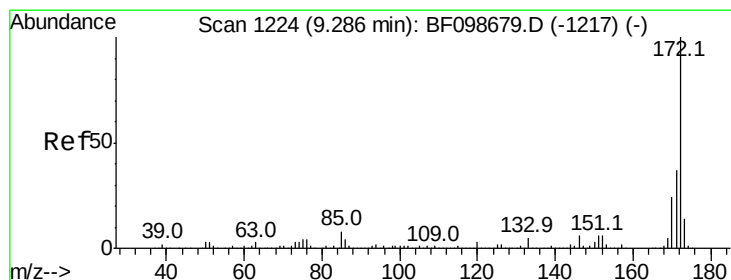
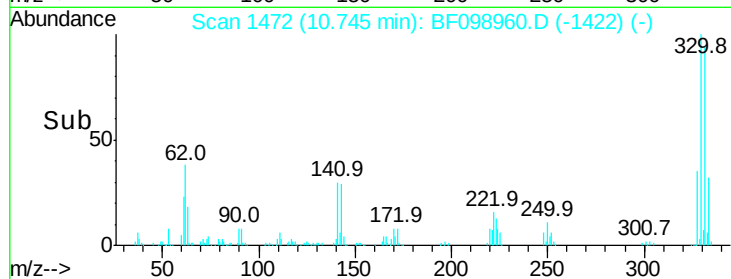
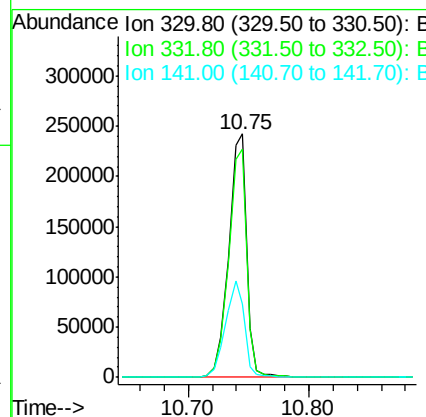
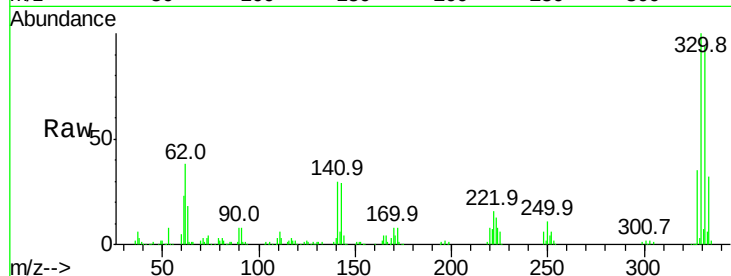




#41
 2,4,6-Tribromophenol
 Concen: 124.858 ng
 RT: 10.75 min Scan# 1472
 Delta R.T. -0.01 min
 Lab File: BF098960.D
 Acq: 30 Sep 2017 14:04

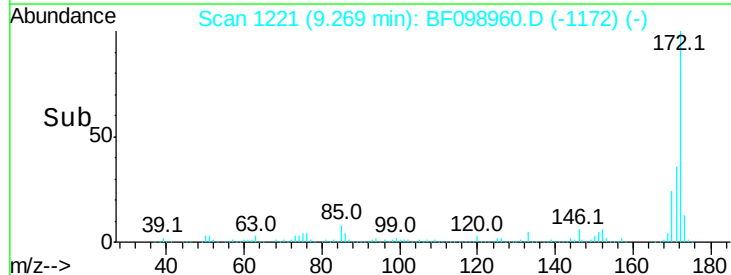
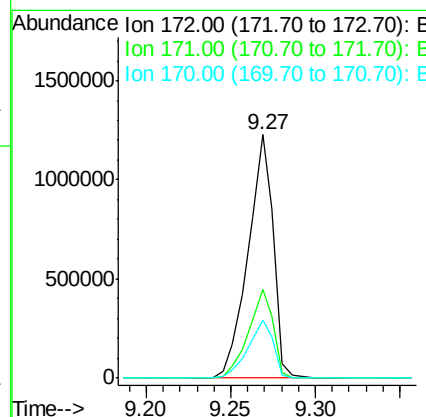
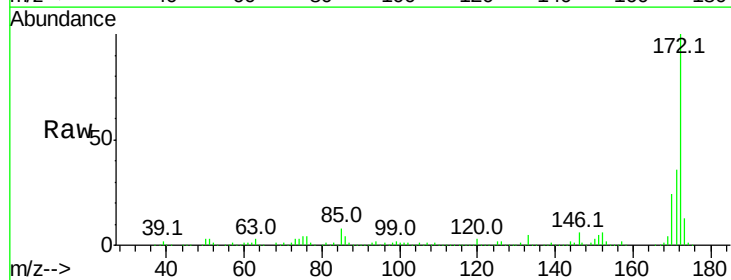
Instrument :
 BNA_F
 ClientSampleId :

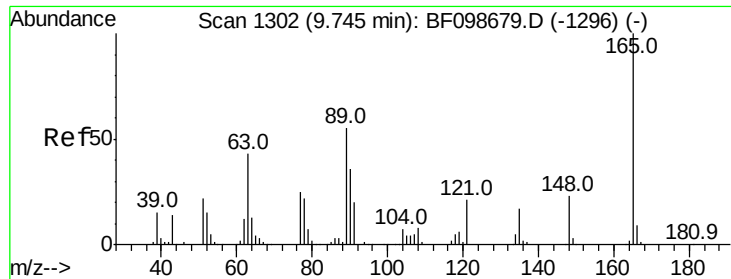
Tot Ion	Ratio	Lower	Upper
330	100		
332	94.9	77.0	115.6
141	41.4	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 87.290 ng
 RT: 9.27 min Scan# 1221
 Delta R.T. -0.01 min
 Lab File: BF098960.D
 Acq: 30 Sep 2017 14:04

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.7	44.5
170	23.9	19.6	29.4

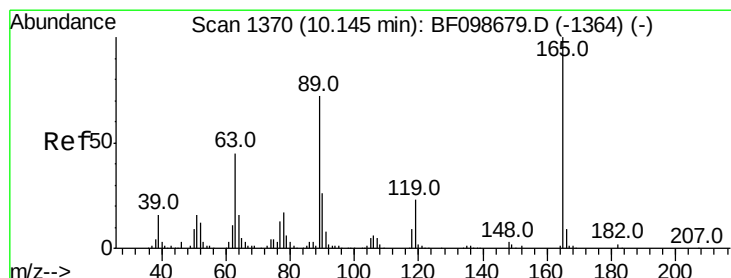
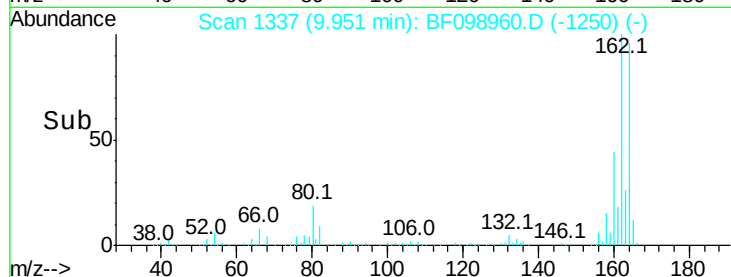
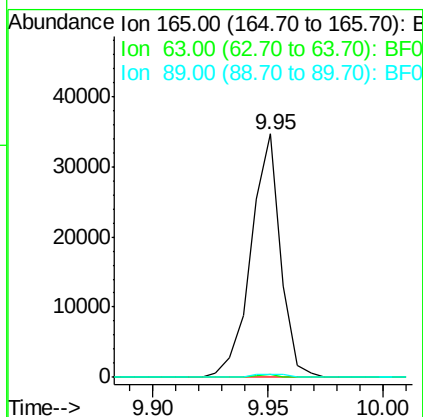
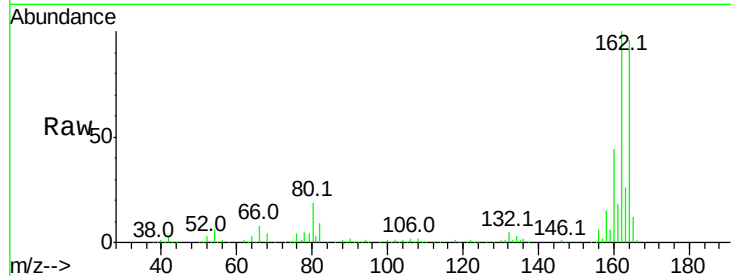




#50
 2,6-Dinitrotoluene
 Concen: 7.683 ng
 RT: 9.95 min Scan# 1337
 Delta R.T. 0.21 min
 Lab File: BF098960.D
 Acq: 30 Sep 2017 14:04

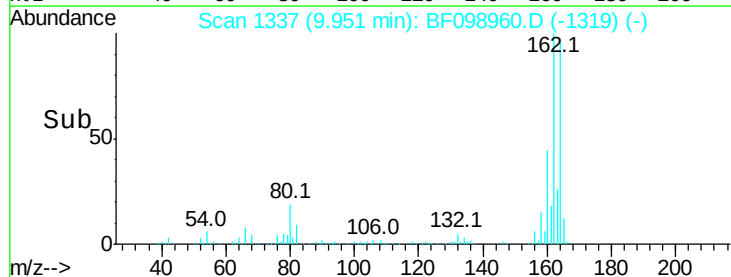
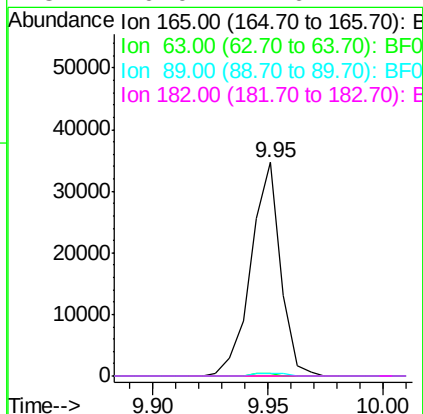
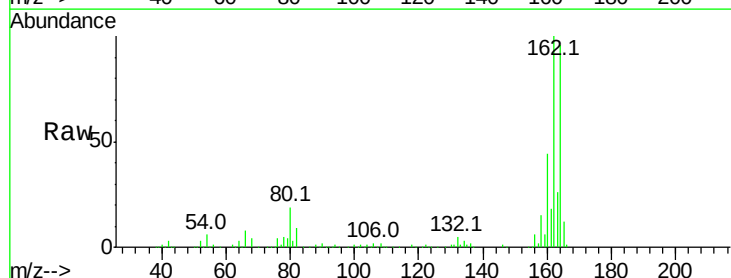
Instrument :
 BNA_F
 ClientSampleId :

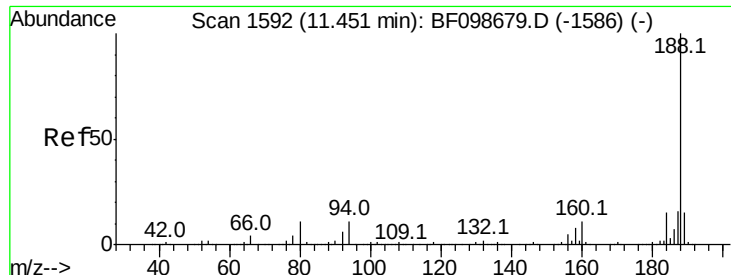
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.2	44.7	67.1#
89	1.4	44.0	66.0#



#56
 2,4-Dinitrotoluene
 Concen: 5.920 ng
 RT: 9.95 min Scan# 1337
 Delta R.T. -0.19 min
 Lab File: BF098960.D
 Acq: 30 Sep 2017 14:04

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	36.4	54.6#
89	1.4	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: BF098960.D

Acq: 30 Sep 2017 14:04

Instrument :

BNA_F

ClientSampleId :

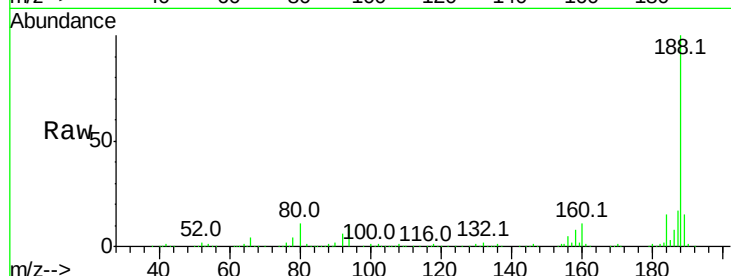
Tot Ion:188 Resp: 447986

Ion Ratio Lower Upper

188 100

94 9.9 8.5 12.7

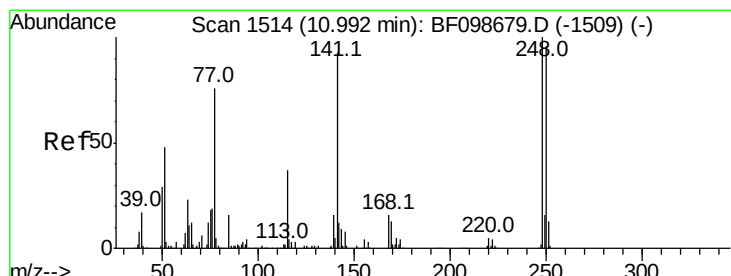
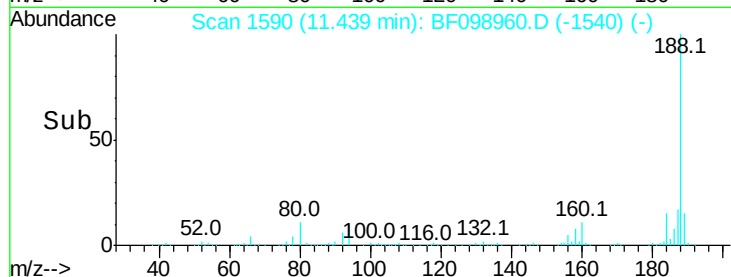
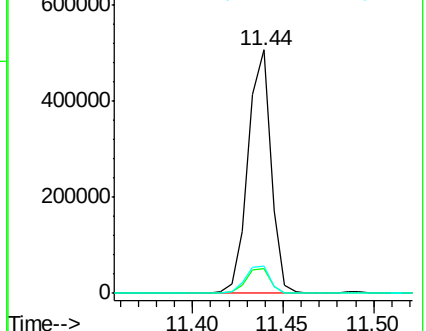
80 11.0 9.2 13.8



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



#66

4-Bromophenyl-phenylether

Concen: 3.936 ng

RT: 10.74 min Scan# 1471

Delta R.T. -0.25 min

Lab File: BF098960.D

Acq: 30 Sep 2017 14:04

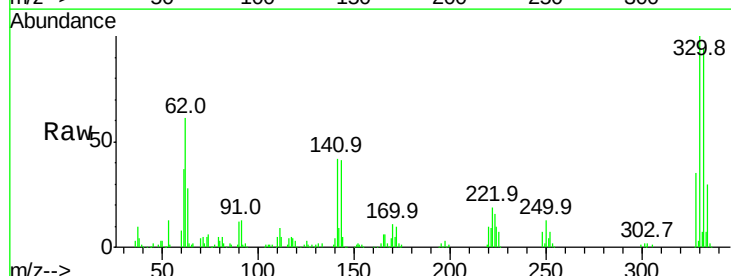
Tgt Ion:248 Resp: 17260

Ion Ratio Lower Upper

248 100

250 192.4 76.9 115.3#

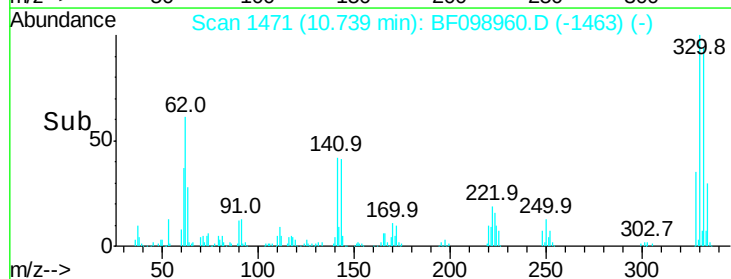
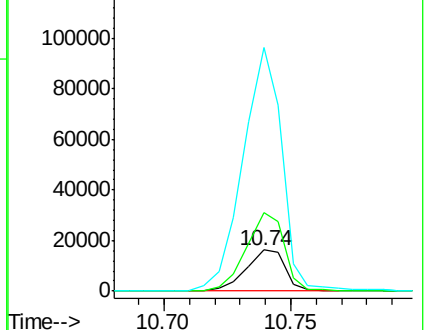
141 595.7 74.4 111.6#

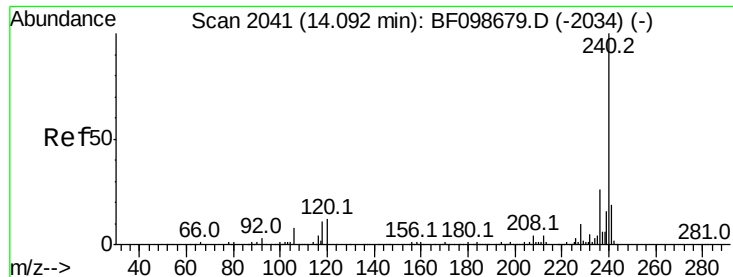


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.07 min Scan# 2038

Delta R.T. -0.01 min

Lab File: BF098960.D

Acq: 30 Sep 2017 14:04

Instrument :

BNA_F

ClientSampleId :

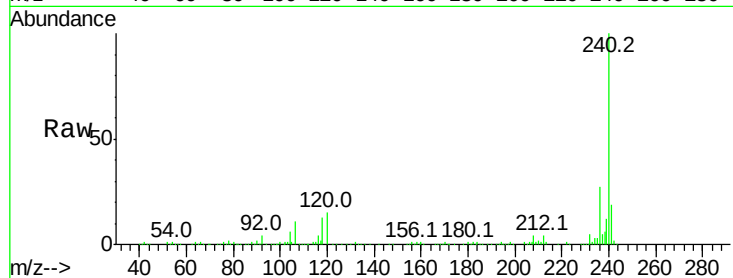
Tot Ion:240 Resp: 352414

Ion Ratio Lower Upper

240 100

120 15.4 9.5 14.3#

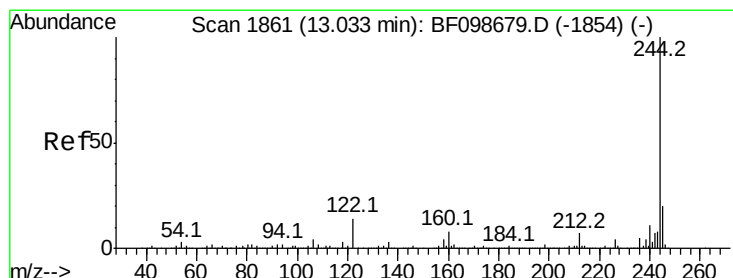
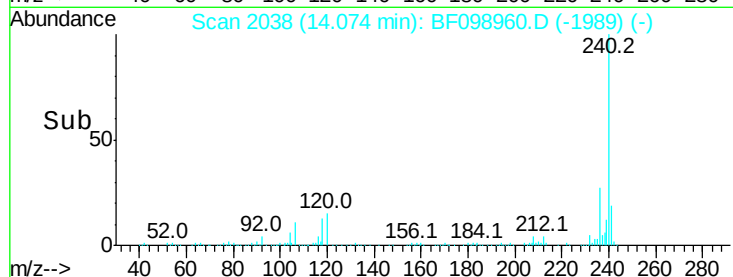
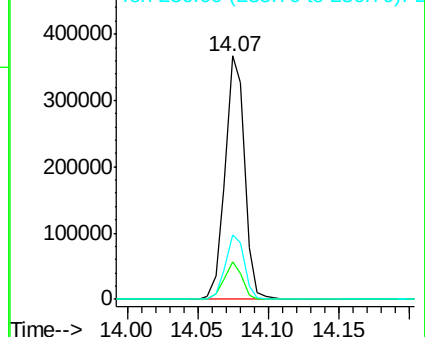
236 26.6 20.7 31.1



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: 76.576 ng

RT: 13.03 min Scan# 1860

Delta R.T. -0.01 min

Lab File: BF098960.D

Acq: 30 Sep 2017 14:04

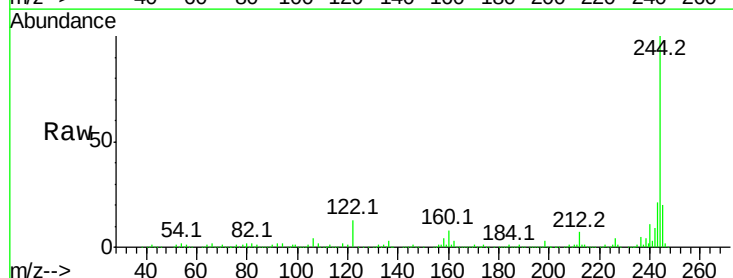
Tgt Ion:244 Resp: 1186631

Ion Ratio Lower Upper

244 100

212 7.3 5.4 8.0

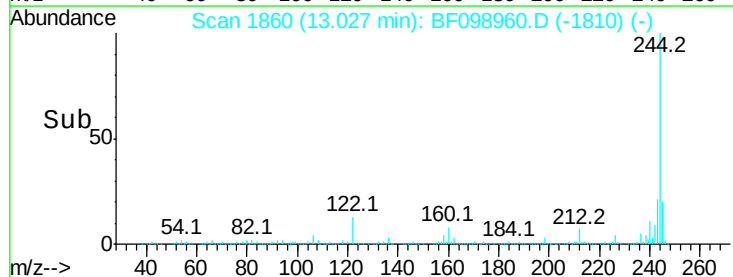
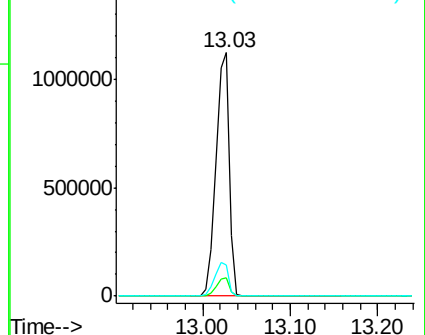
122 12.7 11.0 16.4

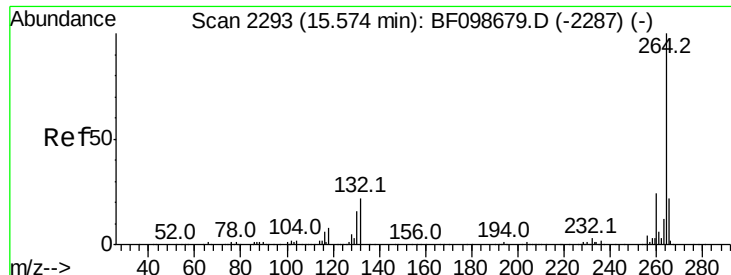


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

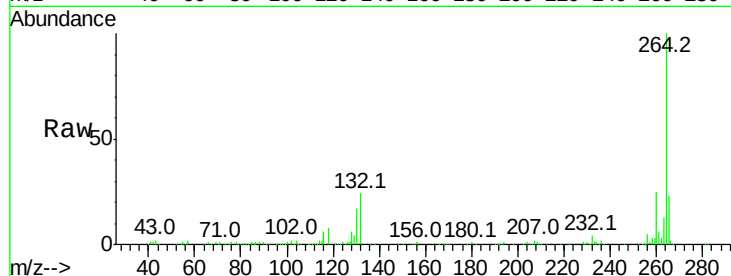




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.57 min Scan# 2292
Delta R.T. -0.01 min
Lab File: BF098960.D
Acq: 30 Sep 2017 14:04

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.2	28.8
265	22.6	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

