

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092217\
 Data File : BF098706.D
 Acq On : 22 Sep 2017 19:52
 Operator : SJ/JU
 Sample : I5329-01 5X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-092017

Quant Time: Sep 23 01:29:40 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 22 10:38:37 2017
 Response via : Initial Calibration

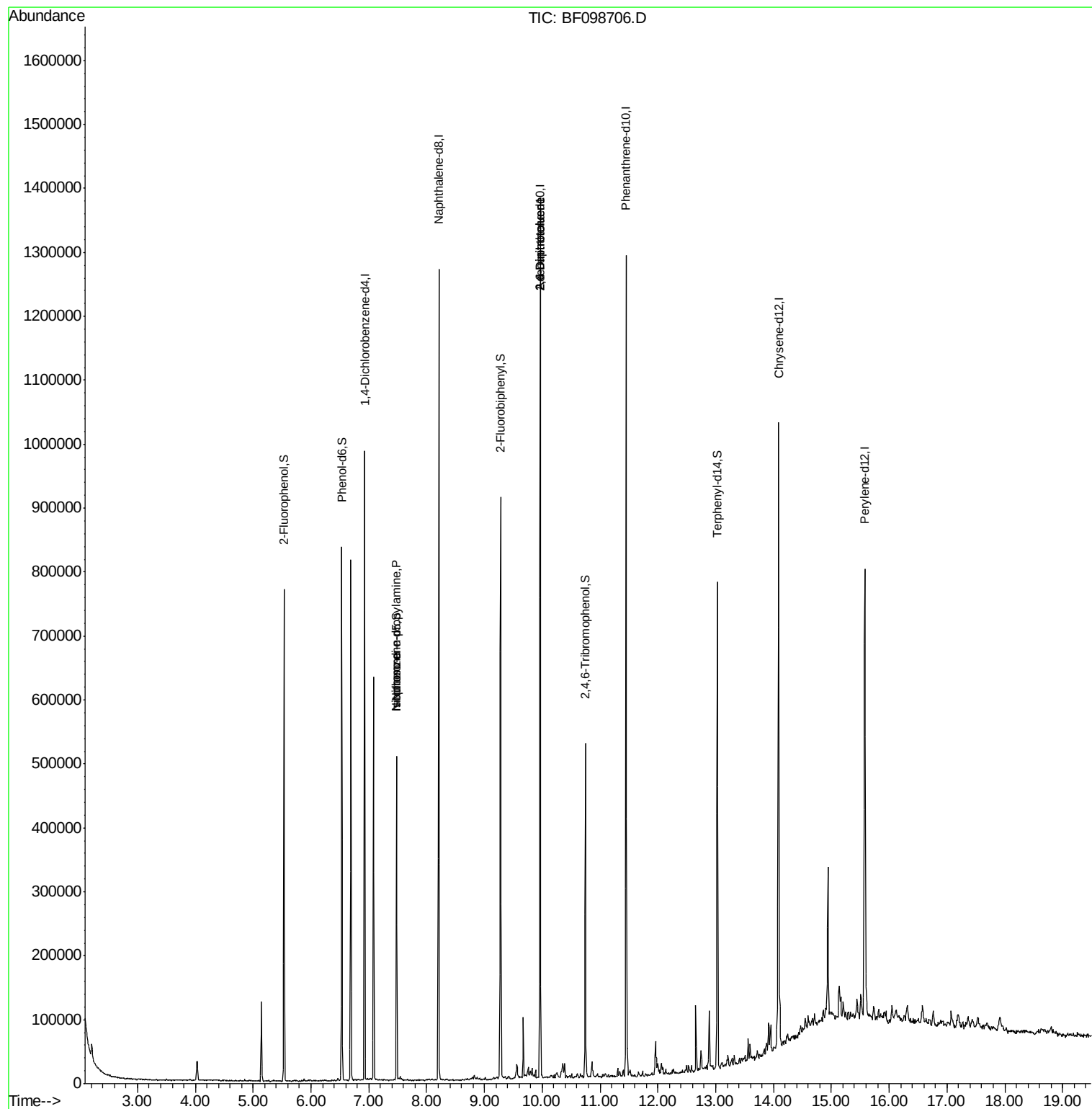
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.93	152	135319	20.00	ng	0.00
21) Naphthalene-d8	8.21	136	557108	20.00	ng	0.00
38) Acenaphthene-d10	9.96	164	249059	20.00	ng	0.00
63) Phenanthrene-d10	11.45	188	412656	20.00	ng	0.00
75) Chrysene-d12	14.09	240	276691	20.00	ng	0.00
86) Perylene-d12	15.58	264	299083	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	194261	21.80	ng	0.00
7) Phenol-d6	6.53	99	236291	21.90	ng	-0.01
23) Nitrobenzene-d5	7.48	82	132959	16.19	ng	-0.01
41) 2,4,6-Tribromophenol	10.75	330	46785	20.54	ng	0.00
44) 2-Fluorobiphenyl	9.28	172	249563	15.95	ng	0.00
78) Terphenyl-d14	13.03	244	205042	15.91	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.48	70	17619	2.64	ng	# 80
25) Isophorone	7.48	82	132315	7.39	ng	# 64
50) 2,6-Dinitrotoluene	9.96	165	30911	8.39	ng	# 26
56) 2,4-Dinitrotoluene	9.96	165	30911	6.24	ng	# 24

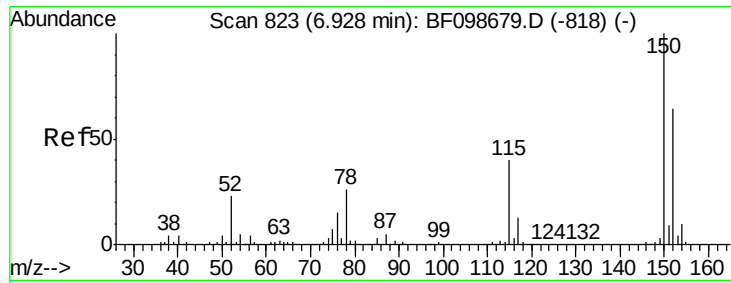
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.93 min Scan# 823

Delta R.T. 0.00 min

Lab File: BF098706.D

Acq: 22 Sep 2017 19:52

Instrument :

BNA_F

ClientSampleId :

CL-01-092017

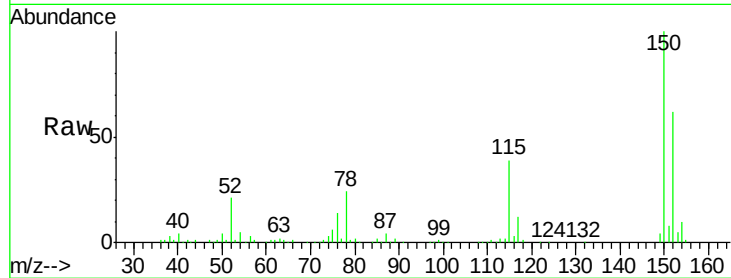
Tot Ion:152 Resp: 135319

Ion Ratio Lower Upper

152 100

150 160.0 124.6 186.8

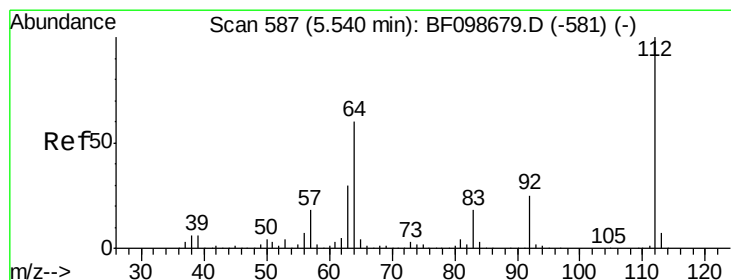
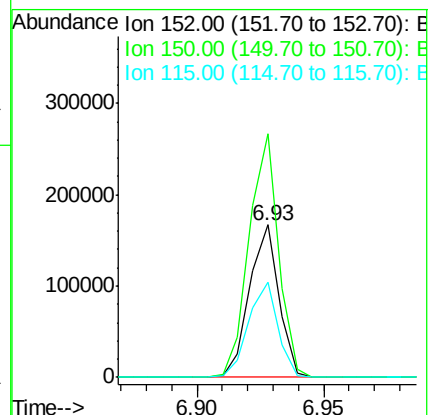
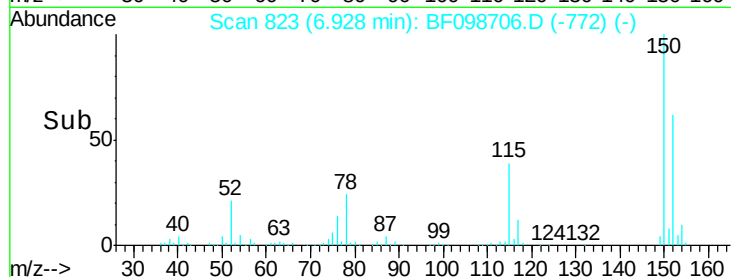
115 62.2 50.1 75.1



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: 21.80 ng

RT: 5.53 min Scan# 586

Delta R.T. -0.01 min

Lab File: BF098706.D

Acq: 22 Sep 2017 19:52

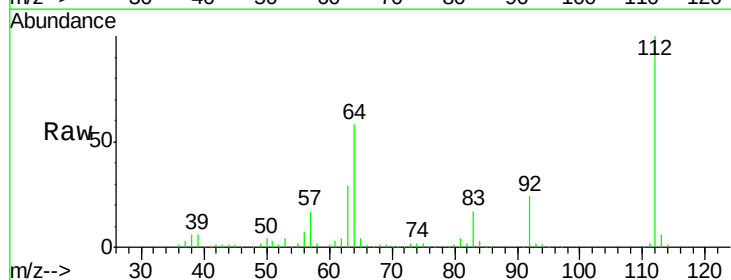
Tgt Ion:112 Resp: 194261

Ion Ratio Lower Upper

112 100

64 58.5 47.9 71.9

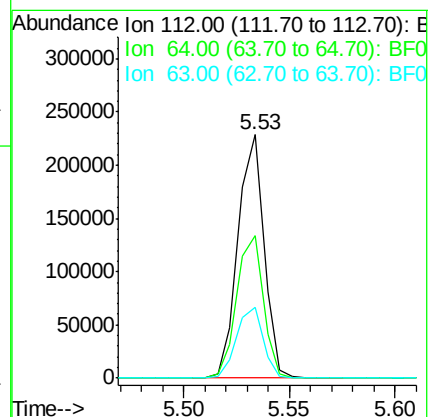
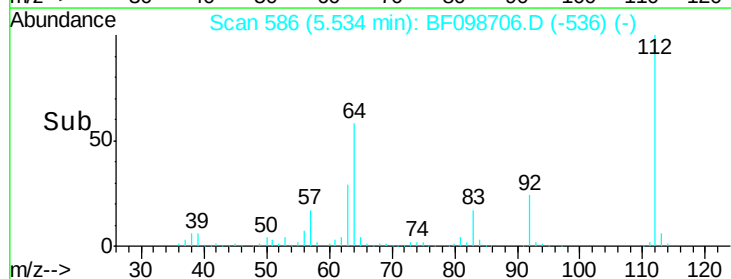
63 29.0 23.7 35.5

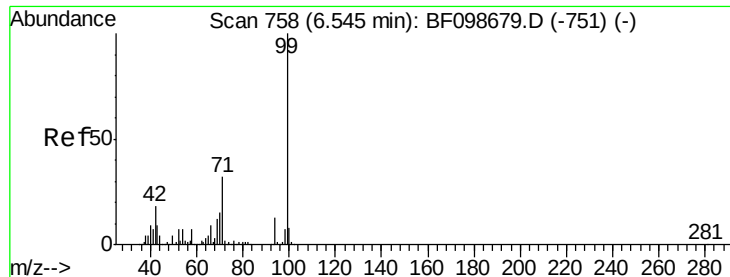


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 21.90 ng

RT: 6.53 min Scan# 756

Delta R.T. -0.01 min

Lab File: BF098706.D

Acq: 22 Sep 2017 19:52

Instrument :

BNA_F

ClientSampleId :

CL-01-092017

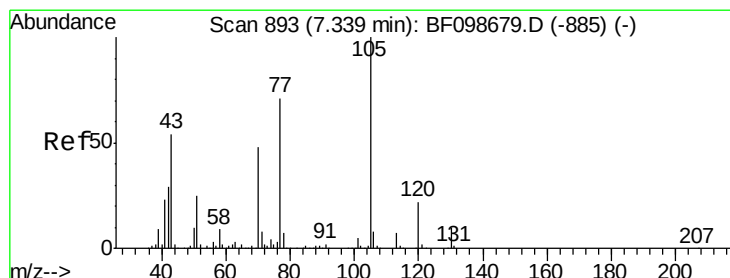
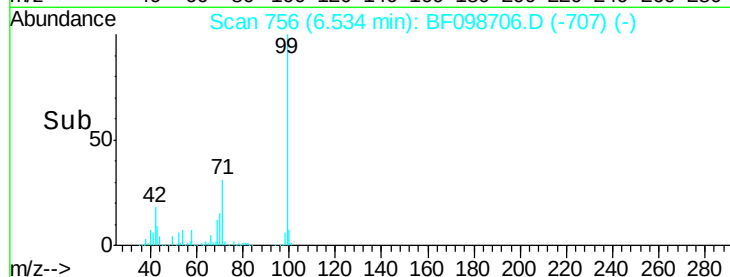
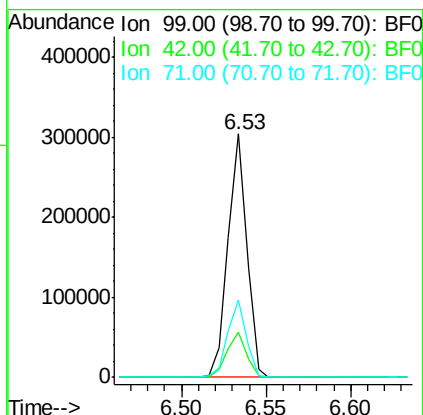
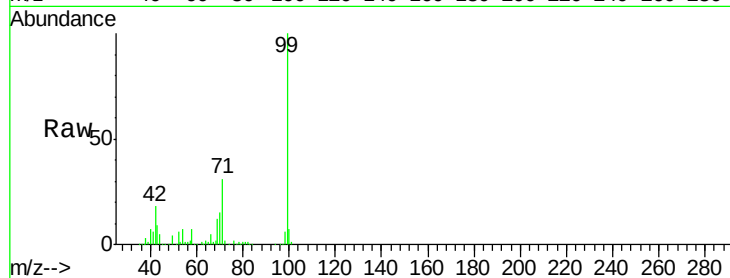
Tot Ion: 99 Resp: 236291

Ion Ratio Lower Upper

99 100

42 18.4 14.5 21.7

71 31.5 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 2.64 ng

RT: 7.48 min Scan# 917

Delta R.T. 0.14 min

Lab File: BF098706.D

Acq: 22 Sep 2017 19:52

Tgt Ion: 70 Resp: 17619

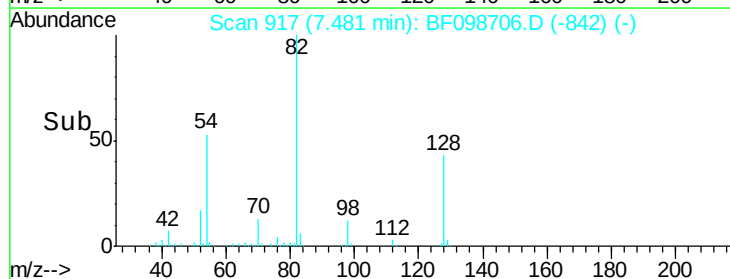
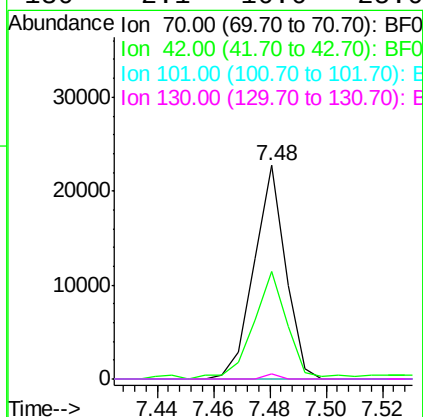
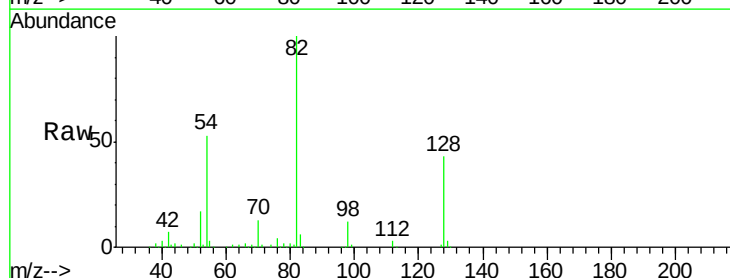
Ion Ratio Lower Upper

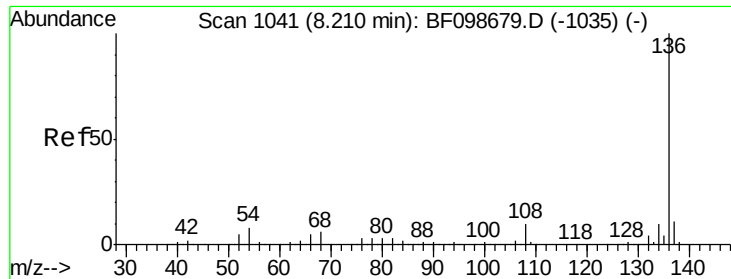
70 100

42 50.6 47.5 71.3

101 0.0 7.4 11.2#

130 2.1 16.6 25.0#

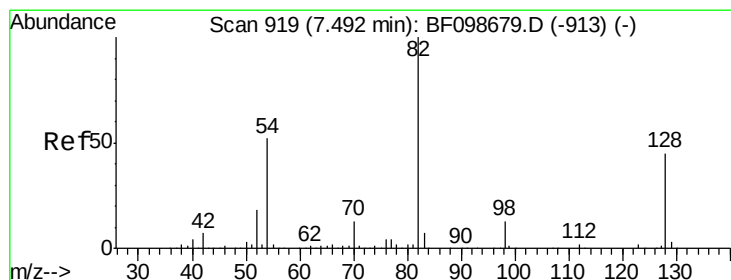
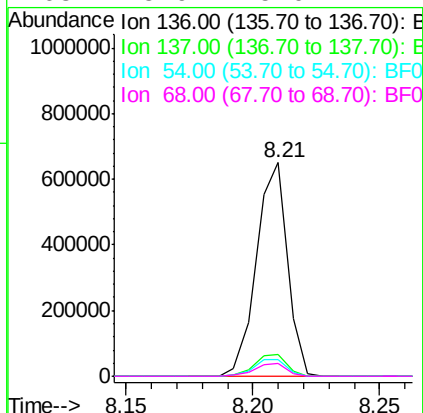
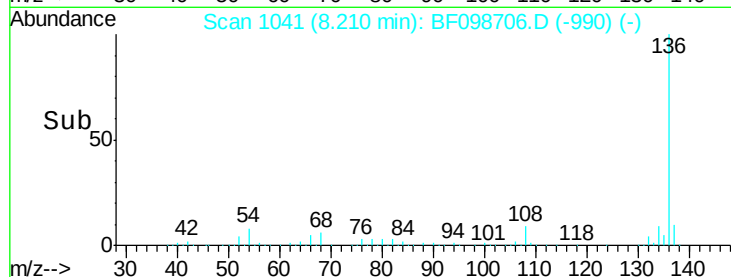
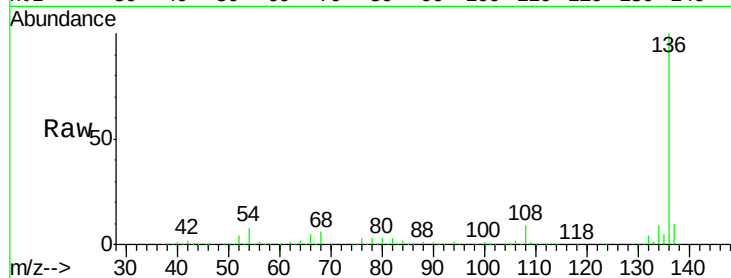




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.21 min Scan# 1041
Delta R.T. 0.00 min
Lab File: BF098706.D
Acq: 22 Sep 2017 19:52

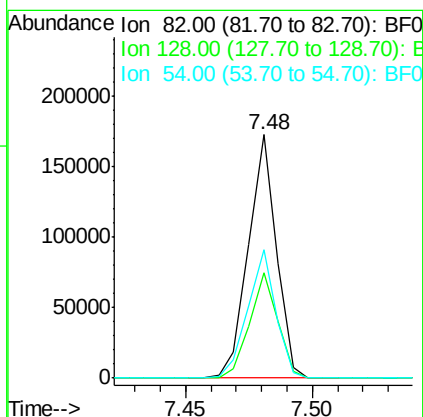
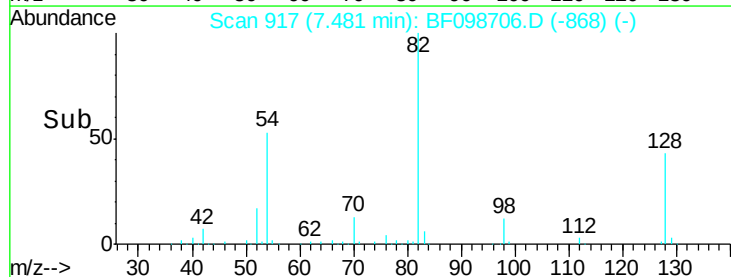
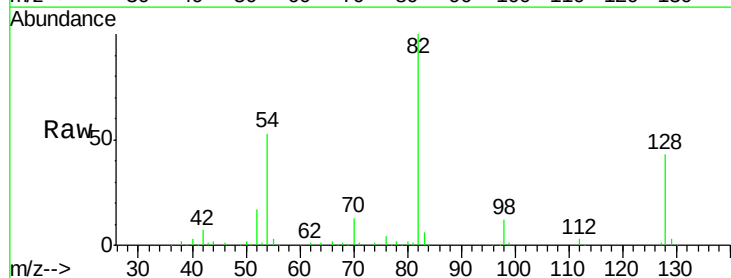
Instrument :
BNA_F
ClientSampleId :
CL-01-092017

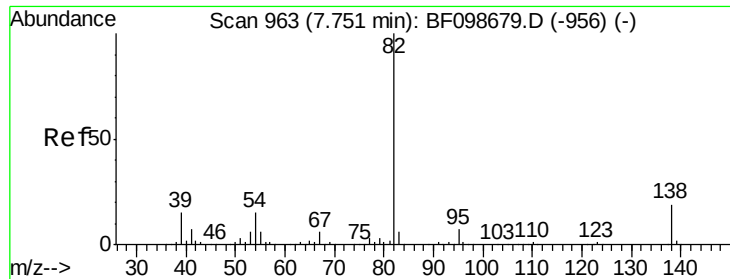
Tot Ion:136	Resp:	557108
Ion	Ratio	Lower Upper
136	100	
137	10.5	8.9 13.3
54	7.6	6.6 9.8
68	5.9	5.0 7.4



#23
Nitrobenzene-d5
Concen: 16.19 ng
RT: 7.48 min Scan# 917
Delta R.T. -0.01 min
Lab File: BF098706.D
Acq: 22 Sep 2017 19:52

Tgt Ion: 82	Resp:	132959
Ion	Ratio	Lower Upper
82	100	
128	43.4	36.1 54.1
54	52.8	41.4 62.2





#25

Isophorone

Concen: 7.39 ng

RT: 7.48 min Scan# 917

Delta R.T. -0.27 min

Lab File: BF098706.D

Acq: 22 Sep 2017 19:52

Instrument :

BNA_F

ClientSampleId :

CL-01-092017

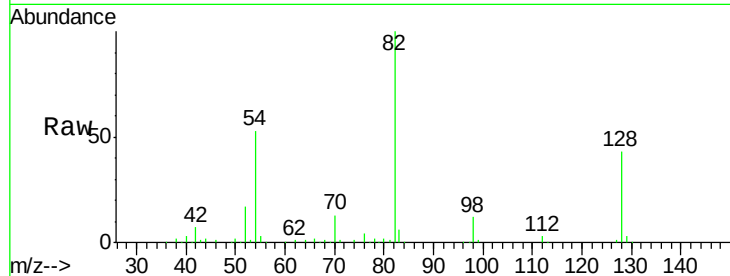
Tot Ion: 82 Resp: 132315

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

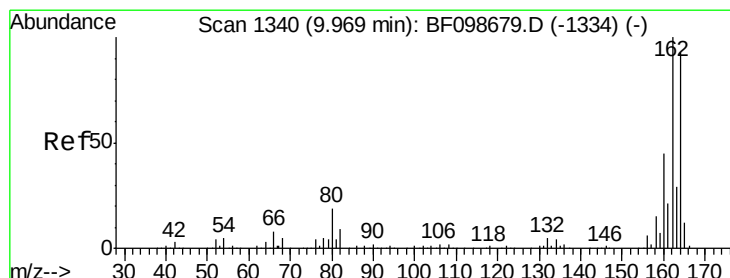
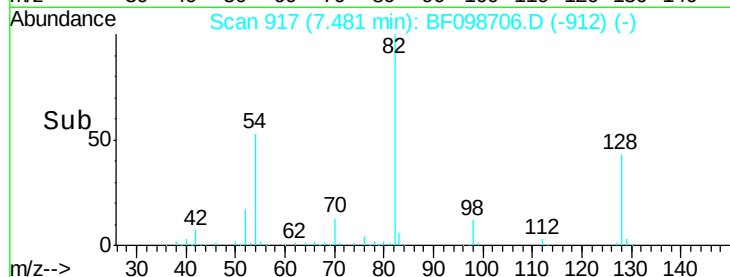
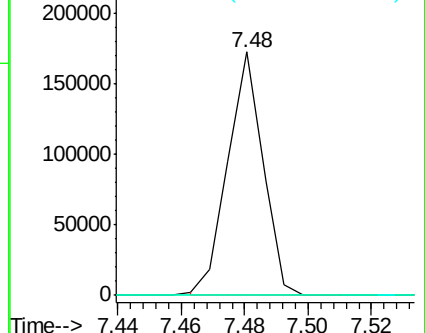
138 0.0 14.9 22.3#



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: 20.00 ng

RT: 9.96 min Scan# 1339

Delta R.T. -0.01 min

Lab File: BF098706.D

Acq: 22 Sep 2017 19:52

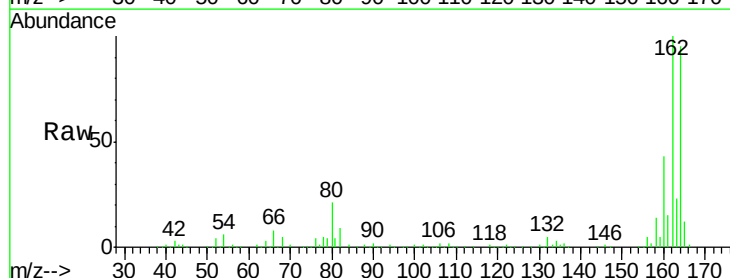
Tgt Ion: 164 Resp: 249059

Ion Ratio Lower Upper

164 100

162 105.0 86.1 129.1

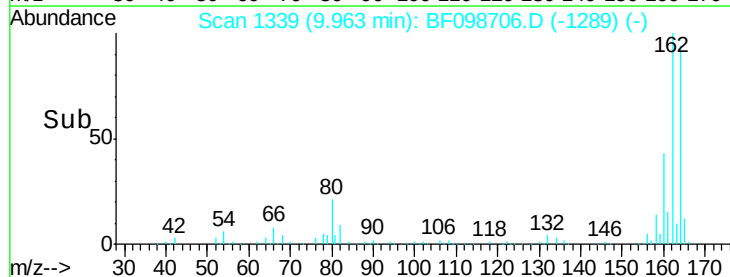
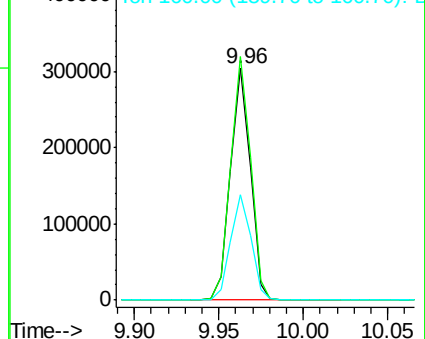
160 45.3 38.3 57.5

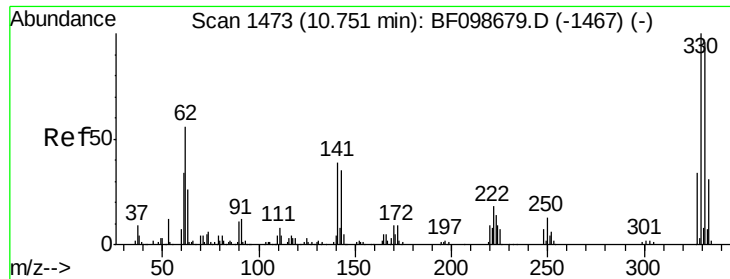


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

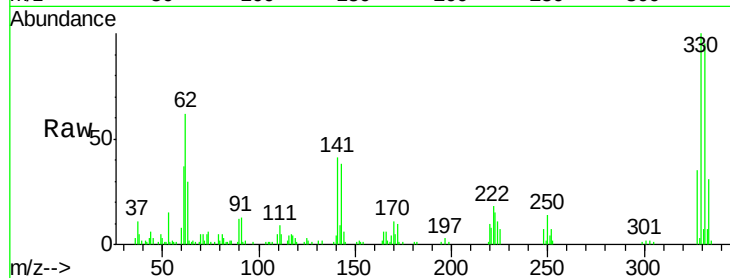




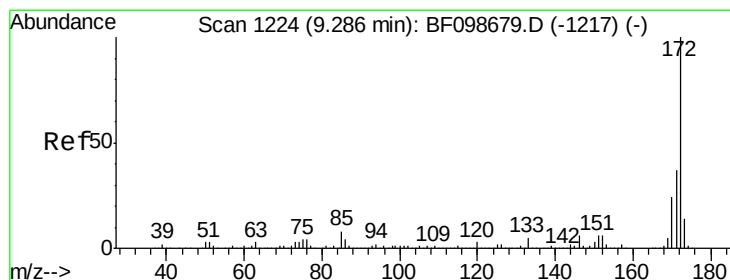
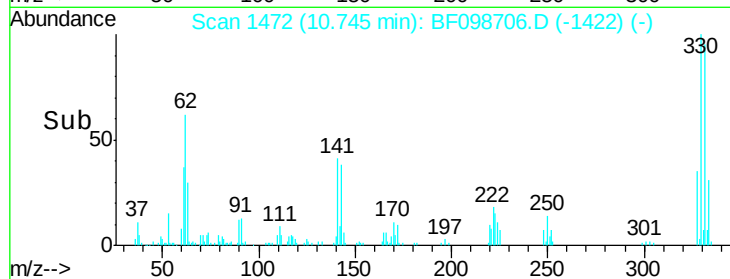
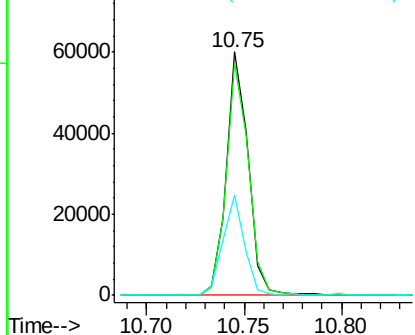
#41
 2,4,6-Tribromophenol
 Concen: 20.54 ng
 RT: 10.75 min Scan# 1472
 Delta R.T. -0.01 min
 Lab File: BF098706.D
 Acq: 22 Sep 2017 19:52

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-092017

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.0	77.0	115.6
141	40.4	29.9	44.9

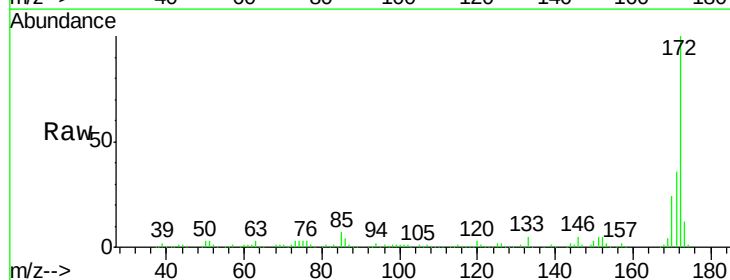


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

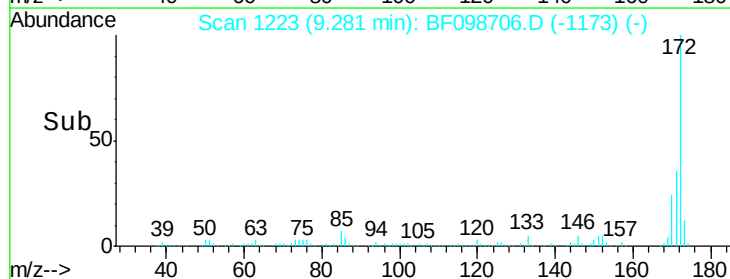
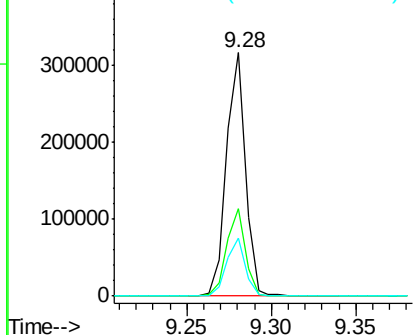


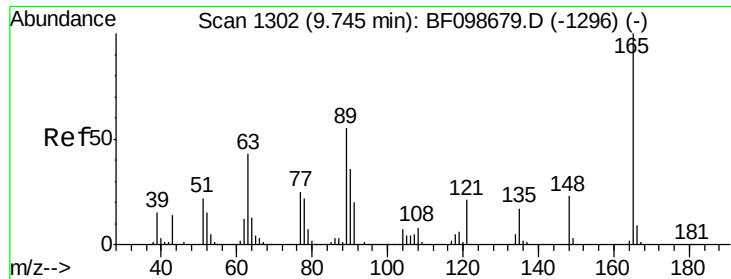
#44
 2-Fluorobiphenyl
 Concen: 15.95 ng
 RT: 9.28 min Scan# 1223
 Delta R.T. -0.01 min
 Lab File: BF098706.D
 Acq: 22 Sep 2017 19:52

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.7	44.5
170	23.8	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

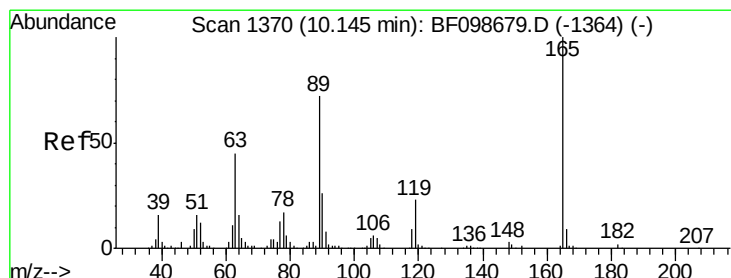
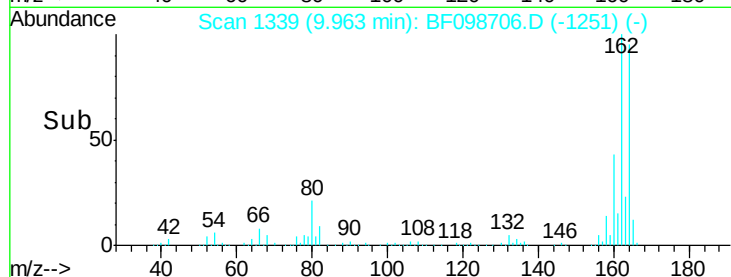
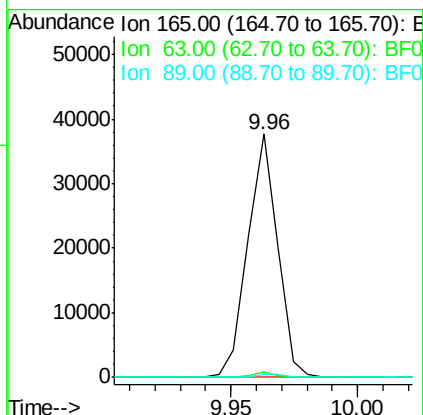
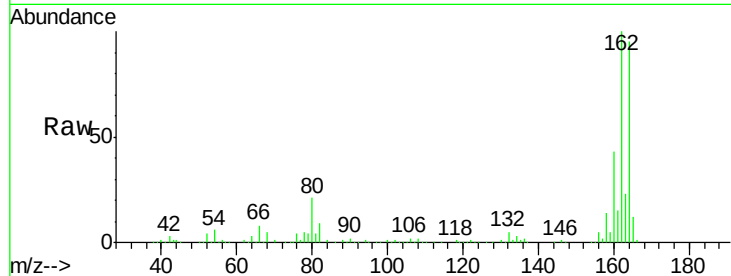




#50
 2,6-Dinitrotoluene
 Concen: 8.39 ng
 RT: 9.96 min Scan# 1339
 Delta R.T. 0.22 min
 Lab File: BF098706.D
 Acq: 22 Sep 2017 19:52

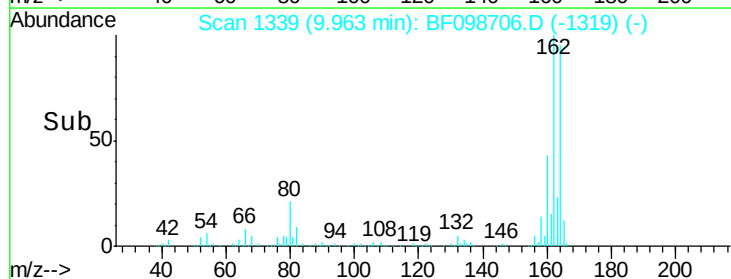
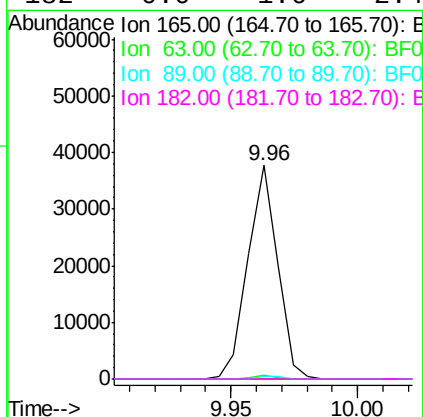
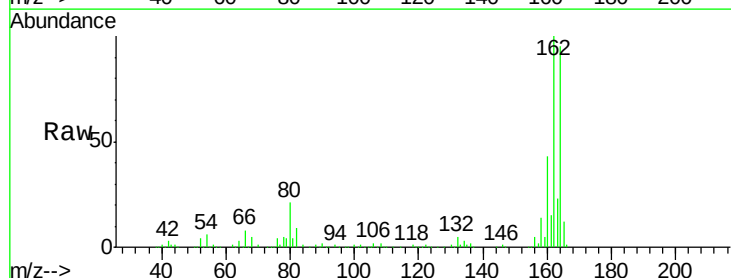
Instrument :
 BNA_F
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 CL-01-092017

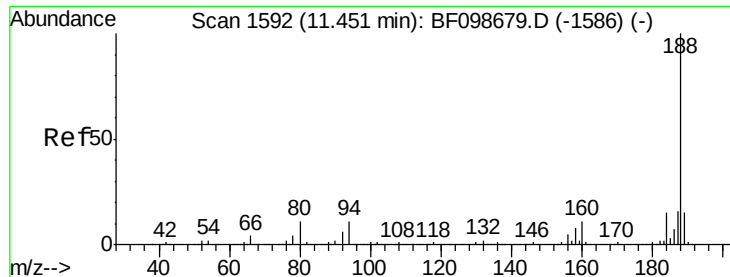
Tot Ion	Ratio	Lower	Upper
165	100		
63	2.1	44.7	67.1#
89	1.4	44.0	66.0#



#56
 2,4-Dinitrotoluene
 Concen: 6.24 ng
 RT: 9.96 min Scan# 1339
 Delta R.T. -0.18 min
 Lab File: BF098706.D
 Acq: 22 Sep 2017 19:52

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.1	36.4	54.6#
89	1.4	57.8	86.6#
182	0.0	1.6	2.4#

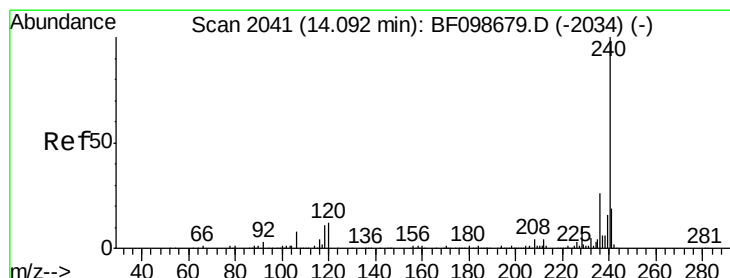
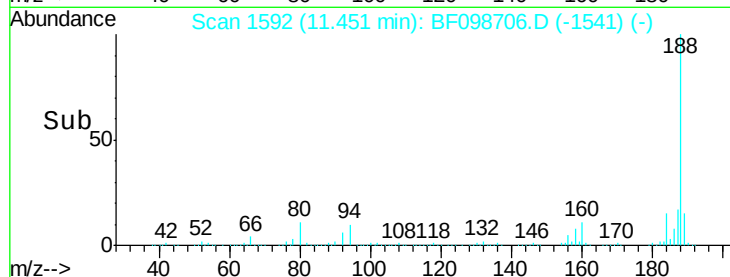
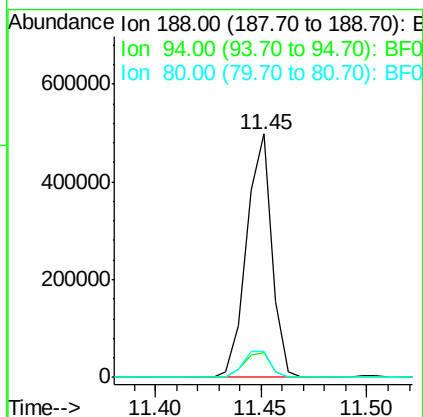
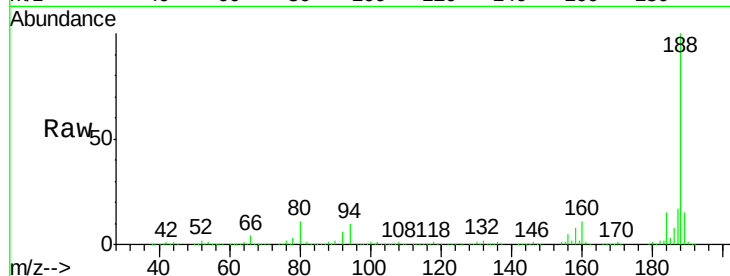




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.45 min Scan# 1592
Delta R.T. 0.00 min
Lab File: BF098706.D
Acq: 22 Sep 2017 19:52

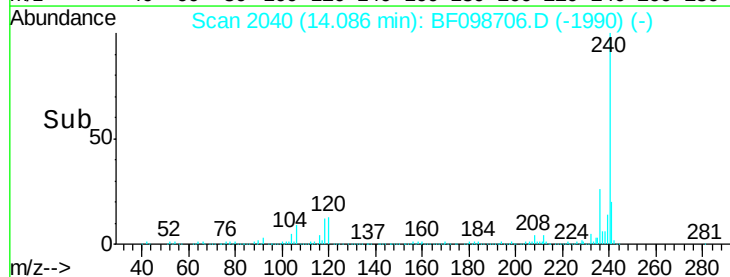
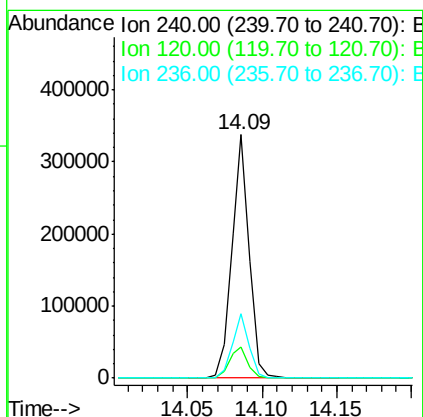
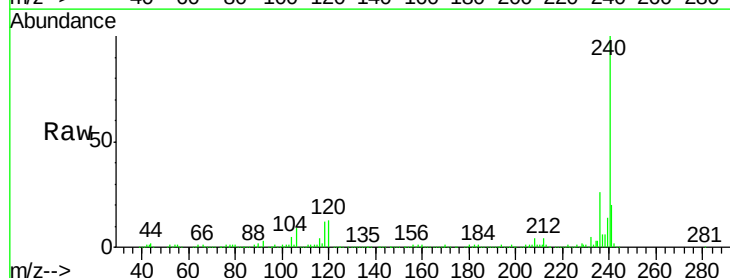
Instrument :
BNA_F
ClientSampleId :
CL-01-092017

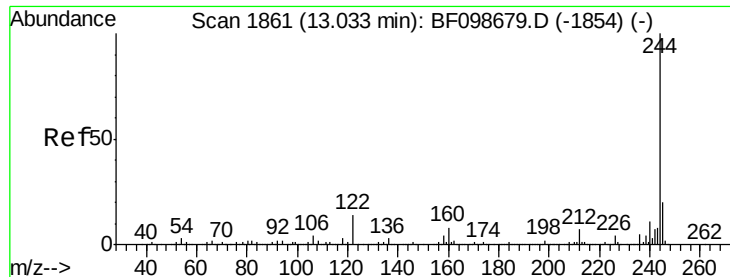
Tot Ion	Ratio	Lower	Upper
188	100		
94	10.0	8.5	12.7
80	10.7	9.2	13.8



#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.09 min Scan# 2040
Delta R.T. -0.01 min
Lab File: BF098706.D
Acq: 22 Sep 2017 19:52

Tgt Ion	Ratio	Lower	Upper
240	100		
120	12.6	9.5	14.3
236	26.5	20.7	31.1

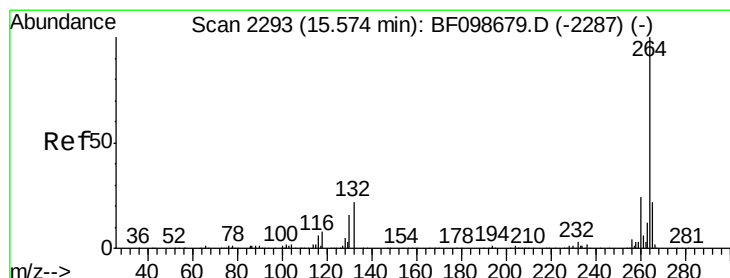
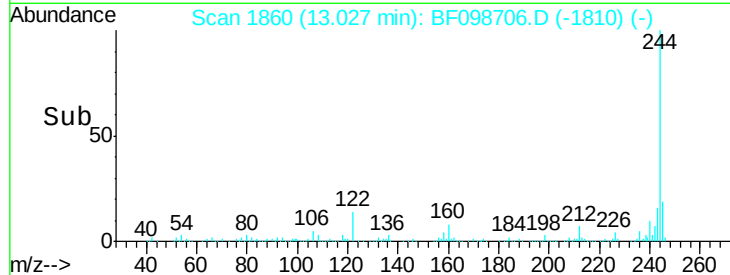
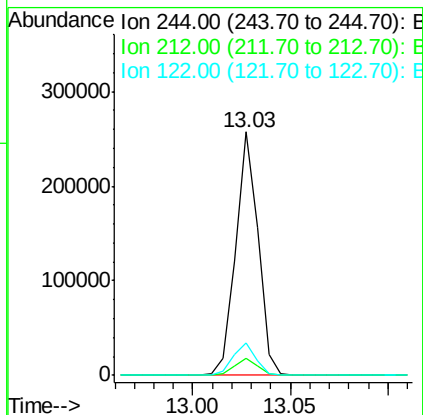
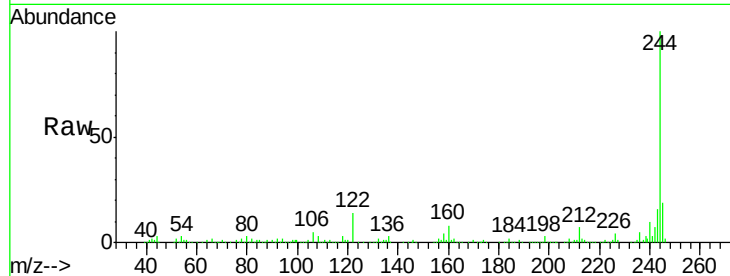




#78
 Terphenyl-d14
 Concen: 15.91 ng
 RT: 13.03 min Scan# 1860
 Delta R.T. -0.01 min
 Lab File: BF098706.D
 Acq: 22 Sep 2017 19:52

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-092017

Tot Ion:244 Resp: 205042
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.4 8.0
 122 13.5 11.0 16.4



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.58 min Scan# 2294
 Delta R.T. 0.01 min
 Lab File: BF098706.D
 Acq: 22 Sep 2017 19:52

Tgt Ion:264 Resp: 299083
 Ion Ratio Lower Upper
 264 100
 260 24.3 19.2 28.8
 265 21.6 17.5 26.3

