

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF110317\
 Data File : BF100160.D
 Acq On : 4 Nov 2017 4:01
 Operator : SJ/JU
 Sample : I6160-06
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 04 04:38:10 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 03 15:46:10 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	100234	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	412926	20.00	ng	0.00
38) Acenaphthene-d10	9.80	164	178029	20.00	ng	0.00
63) Phenanthrene-d10	11.30	188	291347	20.00	ng	0.00
75) Chrysene-d12	13.95	240	163913	20.00	ng	0.00
86) Perylene-d12	15.41	264	164705	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.39	112	334977	52.47	ng	0.00
7) Phenol-d6	6.42	99	249990	33.02	ng	0.00
23) Nitrobenzene-d5	7.35	82	535289	83.46	ng	0.00
41) 2,4,6-Tribromophenol	10.60	330	180525	111.27	ng	0.00
44) 2-Fluorobiphenyl	9.13	172	1031148	89.36	ng	0.00
78) Terphenyl-d14	12.88	244	723371	96.44	ng	0.00

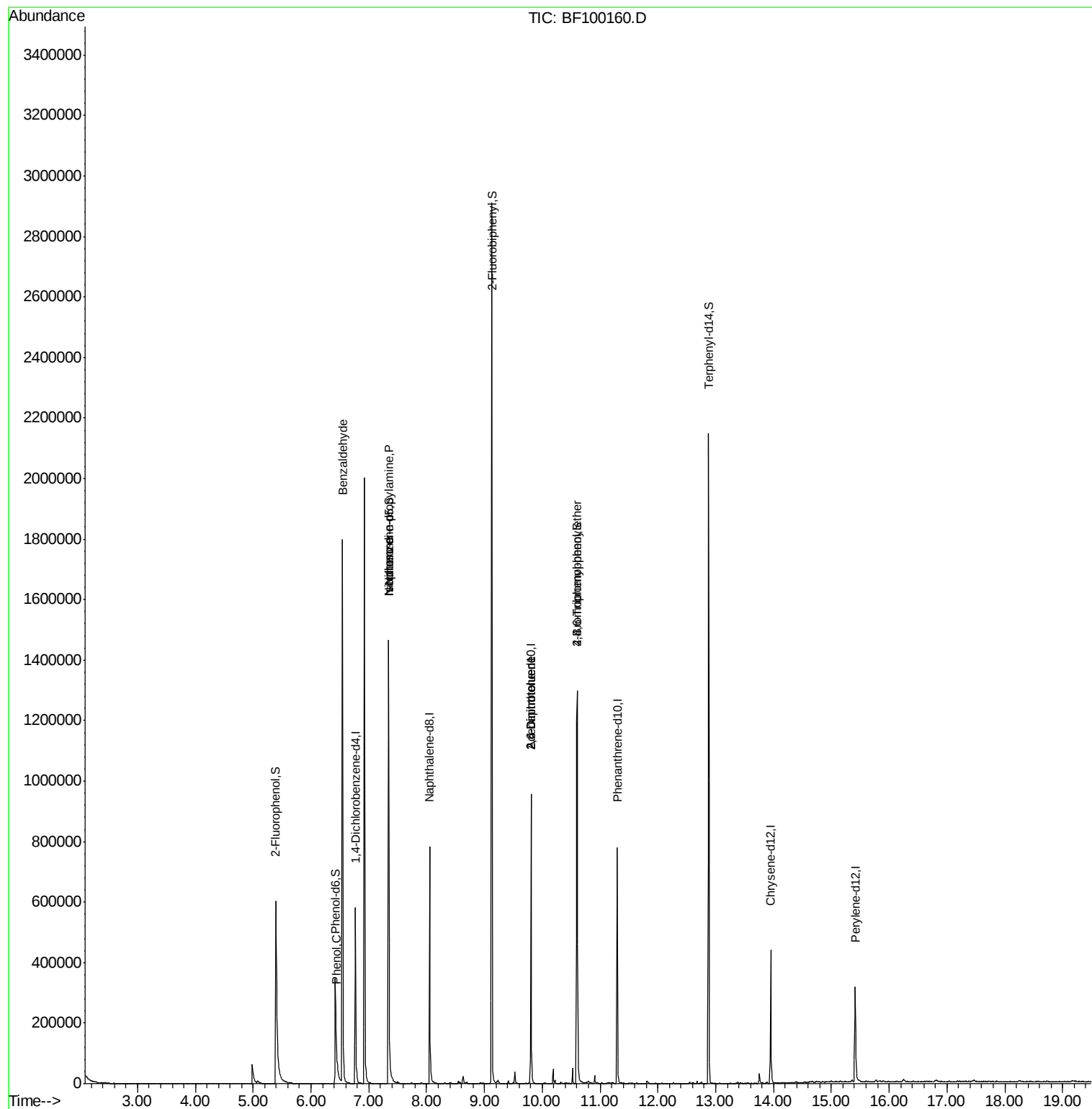
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.54	77	10936	2.417	ng	# 81
10) Phenol	6.44	94	16813	2.023	ng	# 80
19) n-Nitroso-di-n-propylamine	7.35	70	67709	15.262	ng	# 71
25) Isophorone	7.35	82	535289	45.993	ng	# 64
50) 2,6-Dinitrotoluene	9.80	165	23079	7.787	ng	# 25
56) 2,4-Dinitrotoluene	9.80	165	23079	6.466	ng	# 22
66) 4-Bromophenyl-phenylether	10.60	248	11690	3.811	ng	# 1

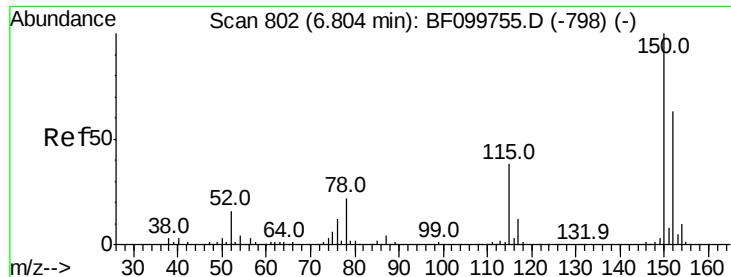
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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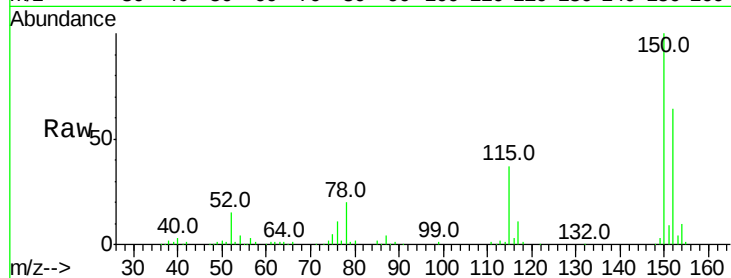


#1

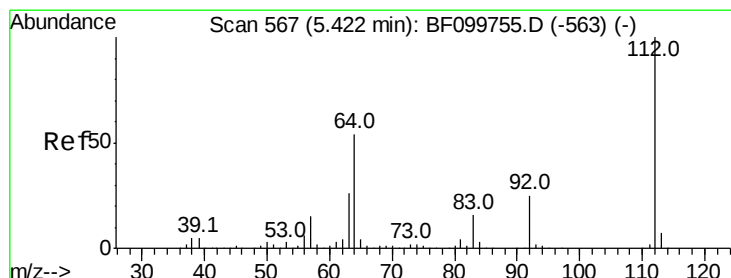
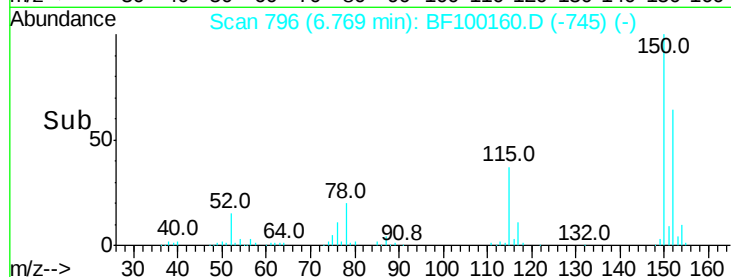
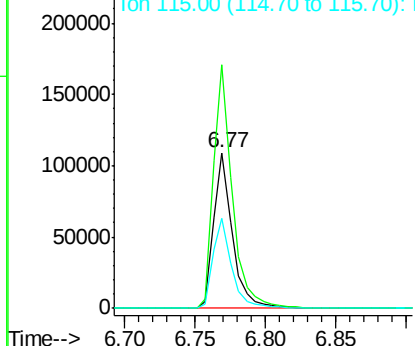
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.77 min Scan# 796
Delta R.T. 0.00 min
Lab File: BF100160.D
Acq: 4 Nov 2017 4:01

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 100234
Ion Ratio Lower Upper
152 100
150 156.2 124.6 186.8
115 57.8 50.1 75.1



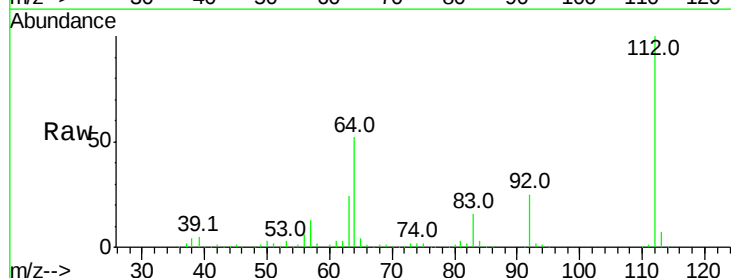
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



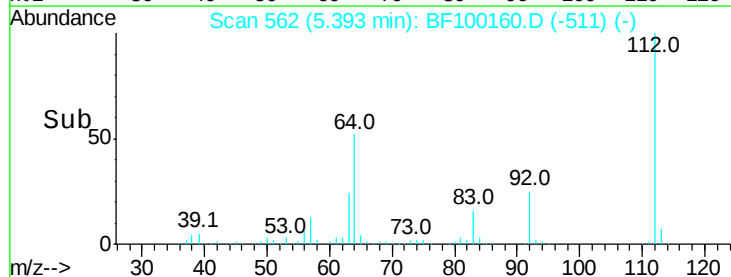
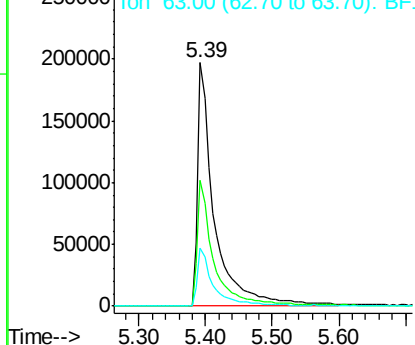
#5

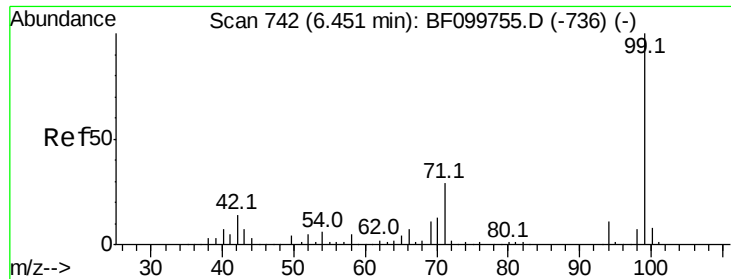
2-Fluorophenol
Concen: 52.467 ng
RT: 5.39 min Scan# 562
Delta R.T. 0.00 min
Lab File: BF100160.D
Acq: 4 Nov 2017 4:01

Tgt Ion:112 Resp: 334977
Ion Ratio Lower Upper
112 100
64 51.8 47.9 71.9
63 23.8 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 33.023 ng

RT: 6.42 min Scan# 737

Delta R.T. -0.01 min

Lab File: BF100160.D

Acq: 4 Nov 2017 4:01

Instrument :

BNA_F

ClientSampled :

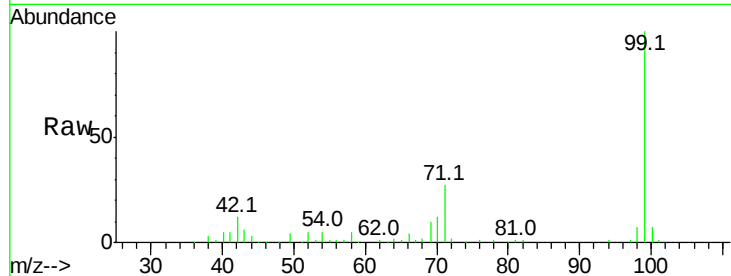
Tot Ion: 99 Resp: 249990

Ion Ratio Lower Upper

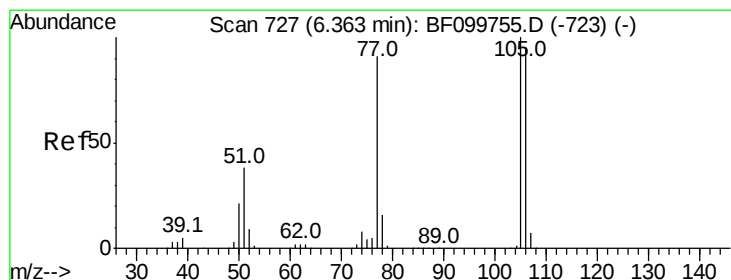
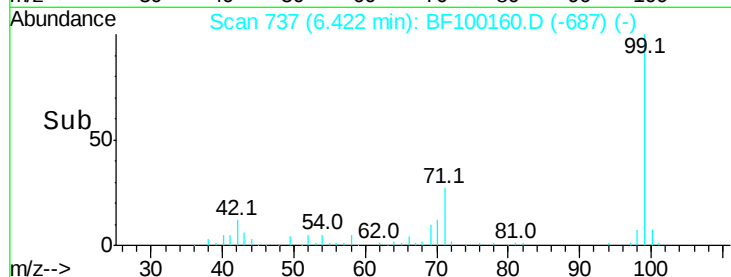
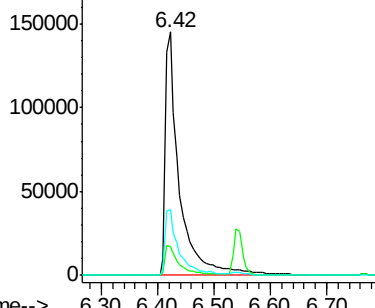
99 100

42 11.9 14.5 21.7#

71 26.9 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#9

Benzaldehyde

Concen: 2.417 ng

RT: 6.54 min Scan# 757

Delta R.T. 0.21 min

Lab File: BF100160.D

Acq: 4 Nov 2017 4:01

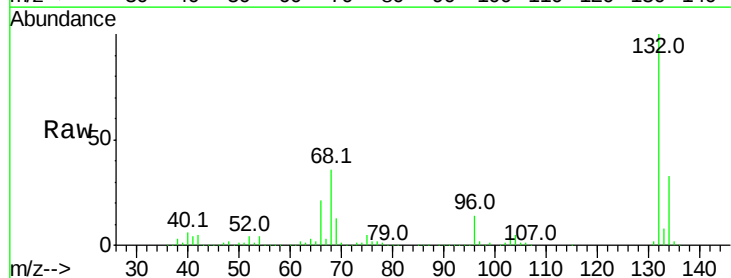
Tgt Ion: 77 Resp: 10936

Ion Ratio Lower Upper

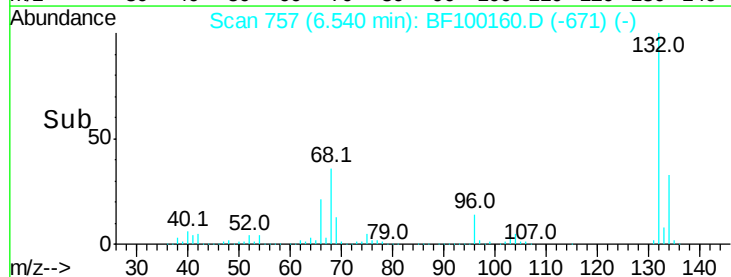
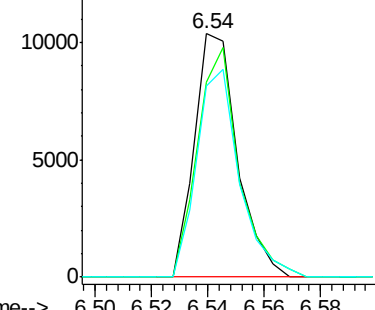
77 100

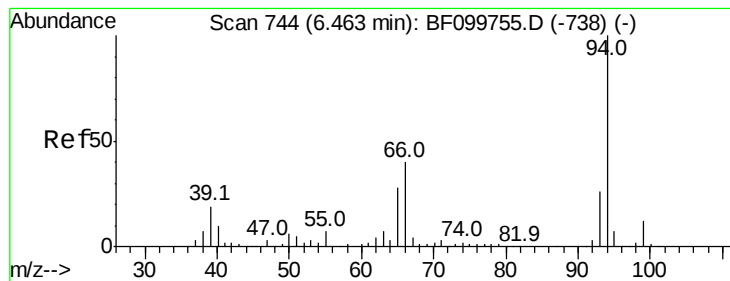
105 80.3 81.1 121.1#

106 78.7 74.5 114.5



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): BF1
Ion 106.00 (105.70 to 106.70): BF1





#10

Phenol

Concen: 2.023 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.00 min

Lab File: BF100160.D

Acq: 4 Nov 2017 4:01

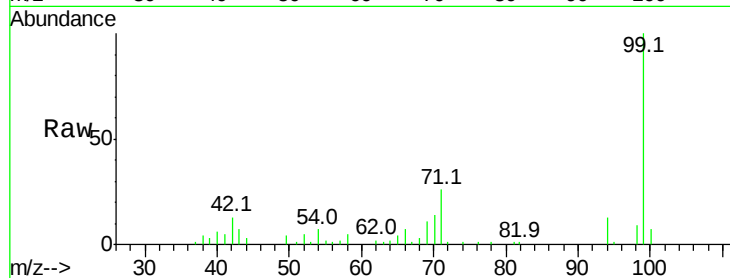
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 94 Resp: 16813

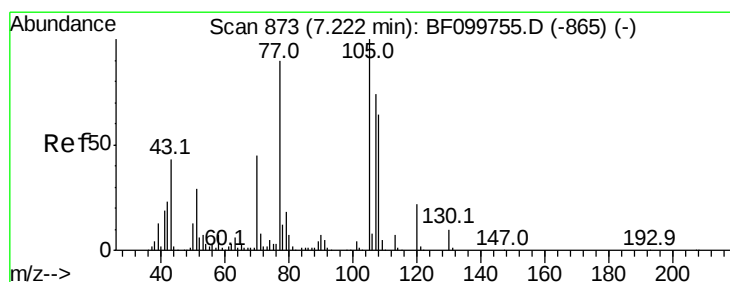
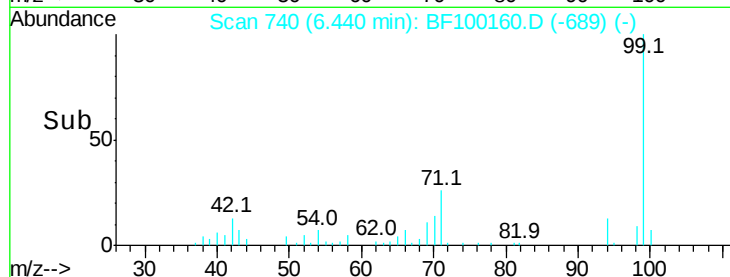
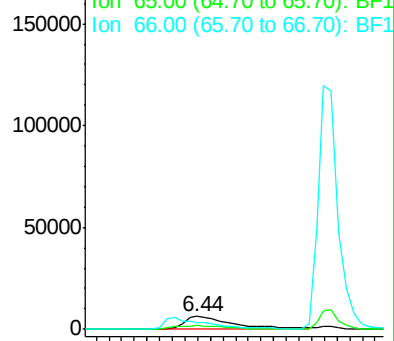
Ion	Ratio	Lower	Upper
94	100		
65	29.8	7.9	47.9
66	55.0	16.2	56.2



Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 15.262 ng

RT: 7.35 min Scan# 894

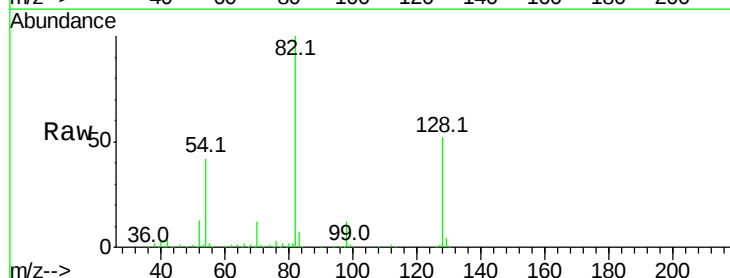
Delta R.T. 0.15 min

Lab File: BF100160.D

Acq: 4 Nov 2017 4:01

Tgt Ion: 70 Resp: 67709

Ion	Ratio	Lower	Upper
70	100		
42	39.8	47.5	71.3#
101	0.0	7.4	11.2#
130	3.1	16.6	25.0#

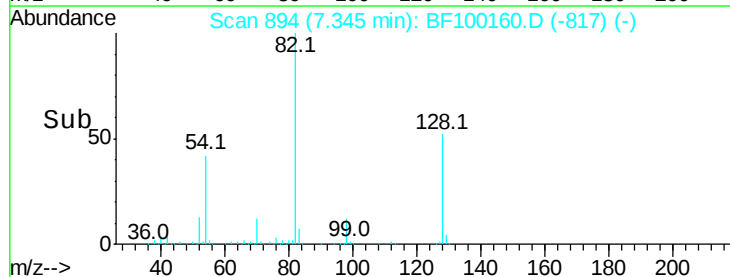
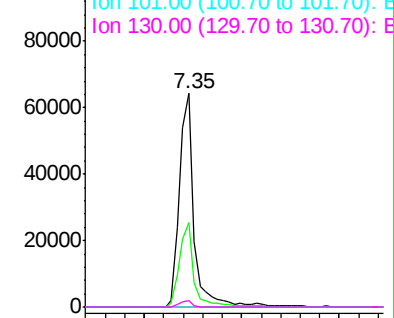


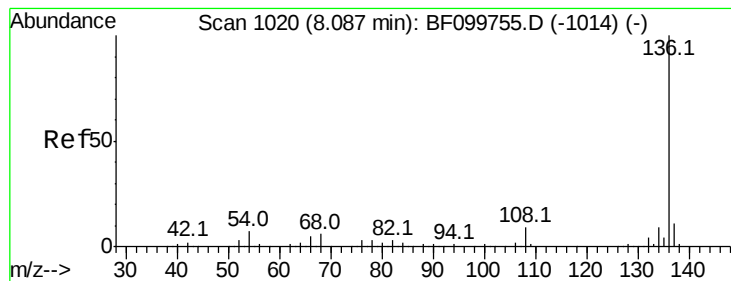
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

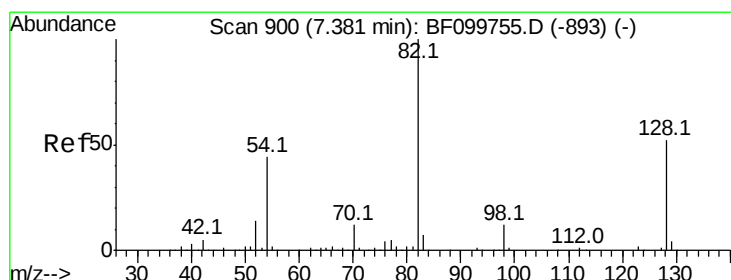
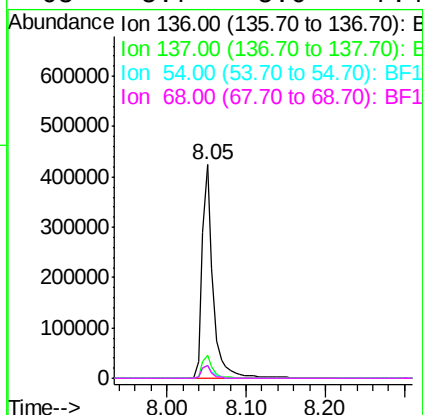
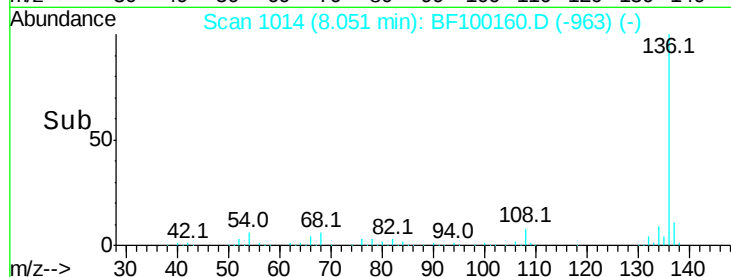
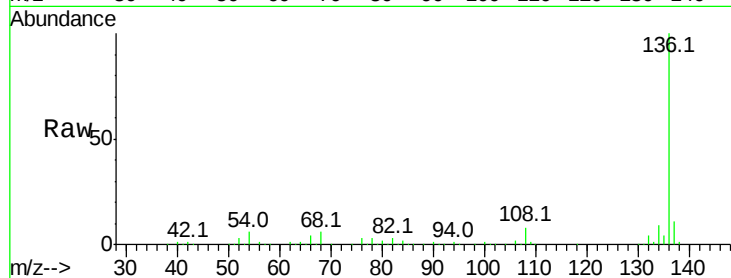




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.05 min Scan# 1014
Delta R.T. 0.00 min
Lab File: BF100160.D
Acq: 4 Nov 2017 4:01

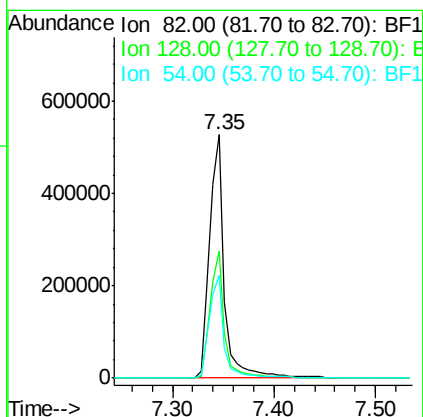
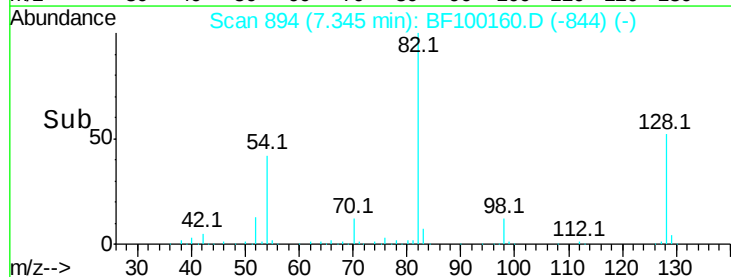
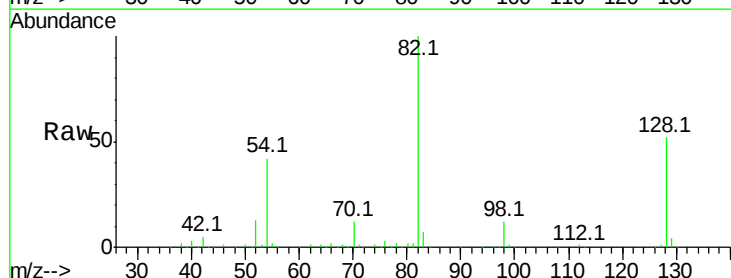
Instrument :
BNA_F
ClientSampleId :

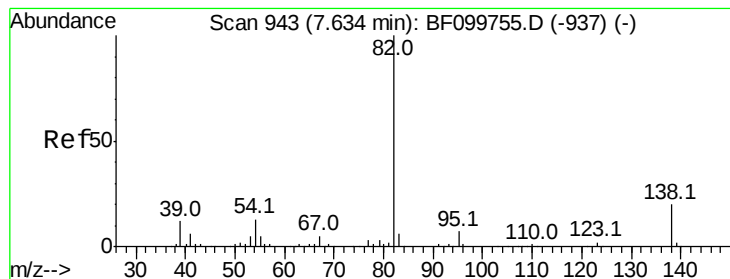
Tot Ion:	136	Resp:	412926
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	6.1	6.6	9.8#
68	5.7	5.0	7.4



#23
Nitrobenzene-d5
Concen: 83.458 ng
RT: 7.35 min Scan# 894
Delta R.T. -0.01 min
Lab File: BF100160.D
Acq: 4 Nov 2017 4:01

Tgt Ion:	82	Resp:	535289
Ion	Ratio	Lower	Upper
82	100		
128	52.4	36.1	54.1
54	42.4	41.4	62.2





#25

Isophorone

Concen: 45.993 ng

RT: 7.35 min Scan# 894

Delta R.T. -0.25 min

Lab File: BF100160.D

Acq: 4 Nov 2017 4:01

Instrument :

BNA_F

ClientSampleId :

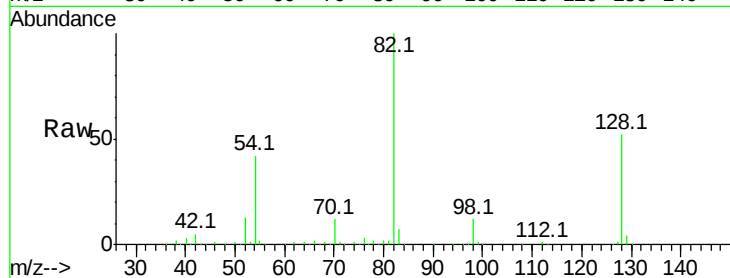
Tot Ion: 82 Resp: 535289

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

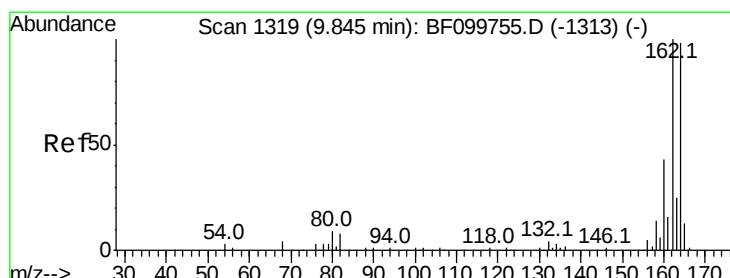
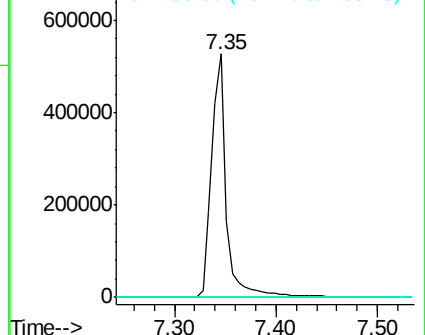
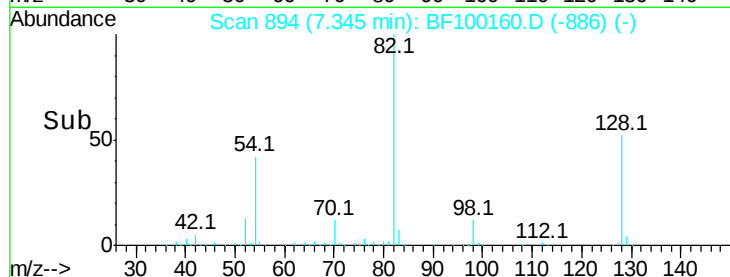
138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.80 min Scan# 1312

Delta R.T. -0.01 min

Lab File: BF100160.D

Acq: 4 Nov 2017 4:01

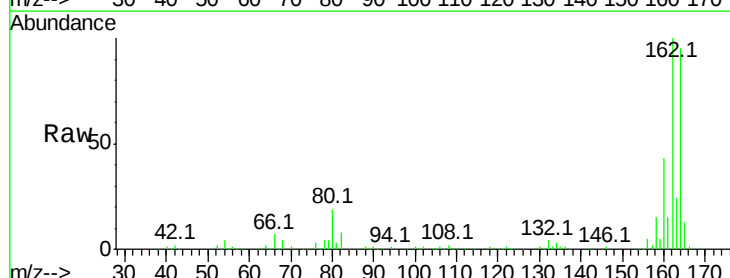
Tgt Ion:164 Resp: 178029

Ion Ratio Lower Upper

164 100

162 105.2 86.1 129.1

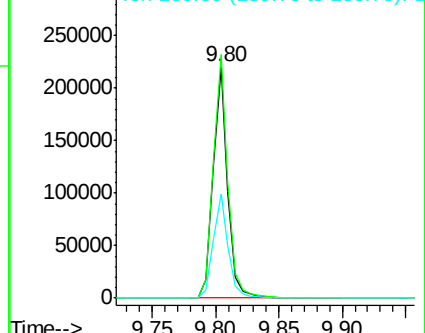
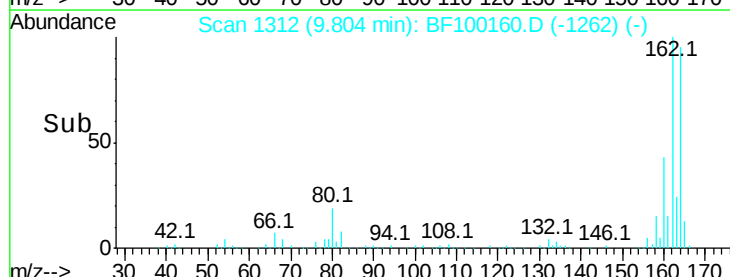
160 45.1 38.3 57.5

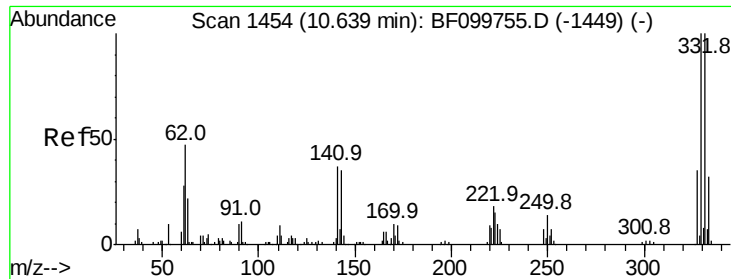


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

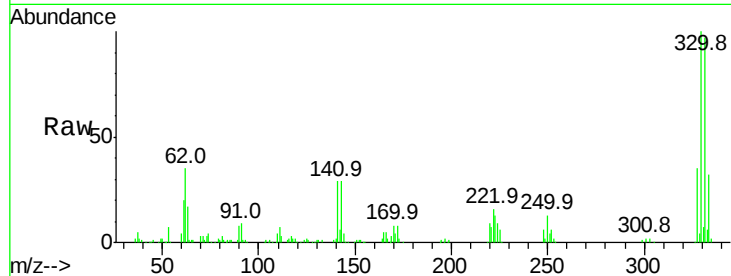




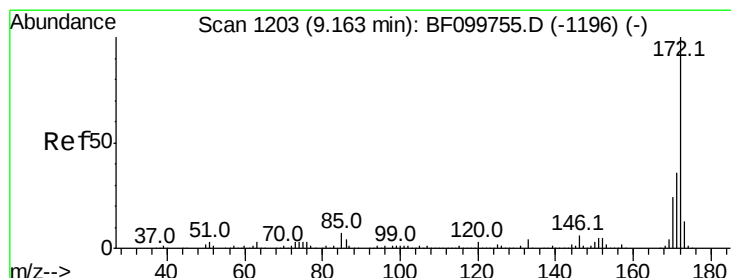
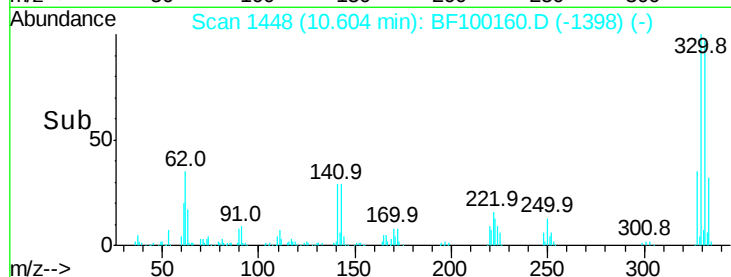
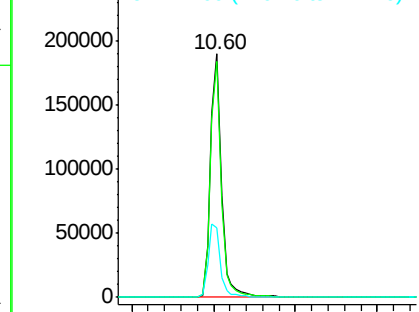
#41
 2,4,6-Tribromophenol
 Concen: 111.270 ng
 RT: 10.60 min Scan# 1448
 Delta R.T. -0.01 min
 Lab File: BF100160.D
 Acq: 4 Nov 2017 4:01

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 180525
 Ion Ratio Lower Upper
 330 100
 332 95.5 77.0 115.6
 141 33.6 29.9 44.9

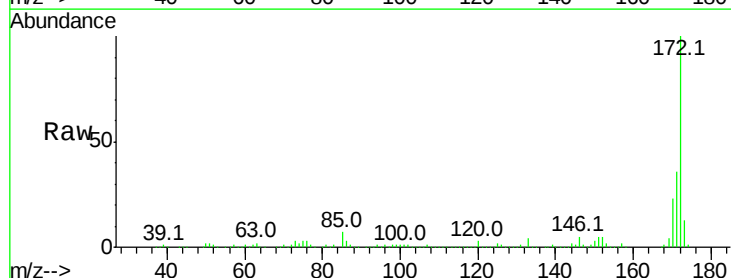


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

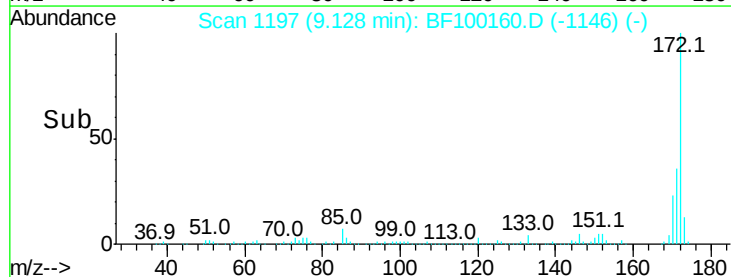
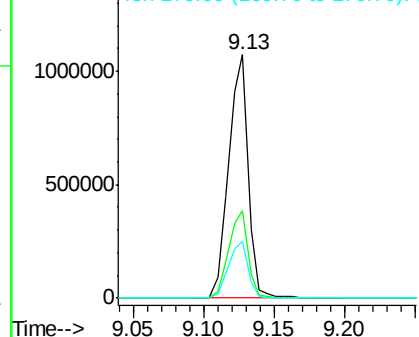


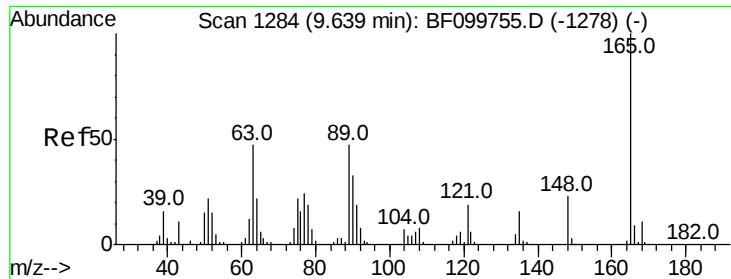
#44
 2-Fluorobiphenyl
 Concen: 89.362 ng
 RT: 9.13 min Scan# 1197
 Delta R.T. 0.00 min
 Lab File: BF100160.D
 Acq: 4 Nov 2017 4:01

Tgt Ion:172 Resp: 1031148
 Ion Ratio Lower Upper
 172 100
 171 35.8 29.7 44.5
 170 23.3 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

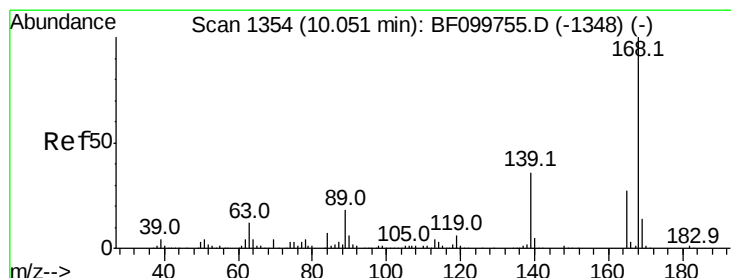
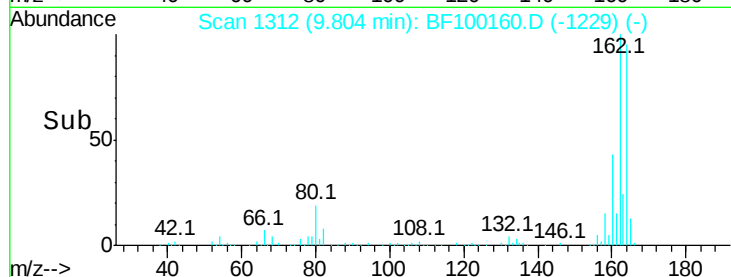
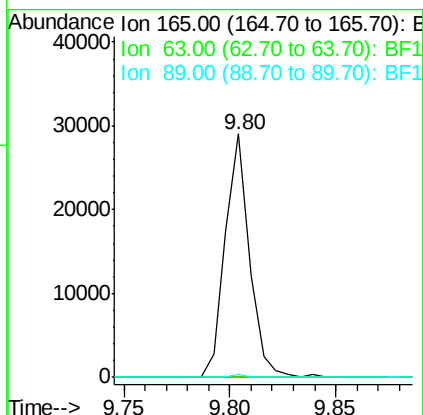
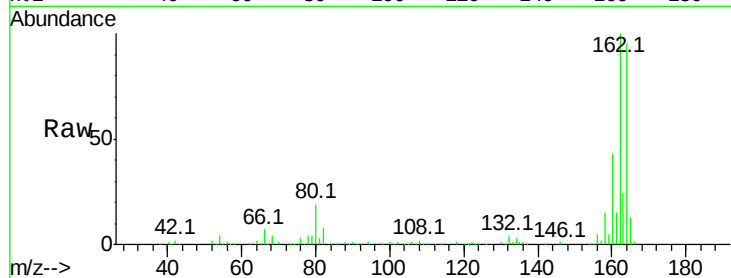




#50
 2,6-Dinitrotoluene
 Concen: 7.787 ng
 RT: 9.80 min Scan# 1312
 Delta R.T. 0.19 min
 Lab File: BF100160.D
 Acq: 4 Nov 2017 4:01

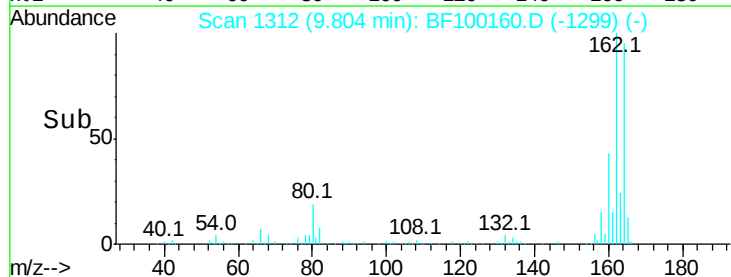
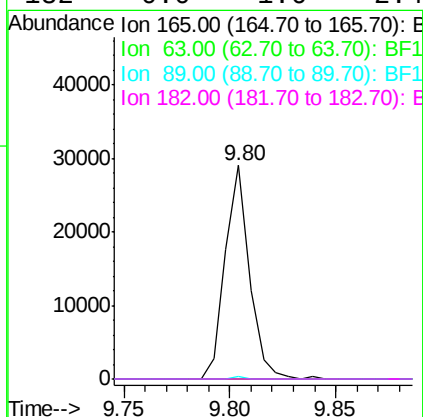
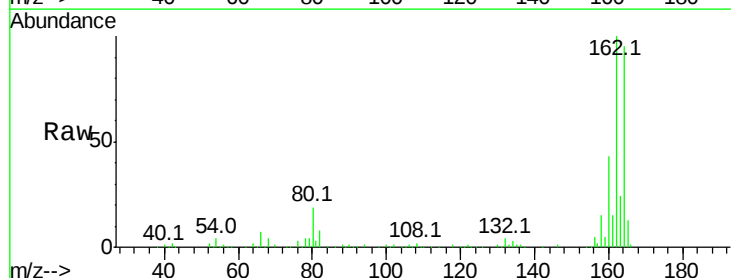
Instrument :
 BNA_F
 ClientSampleId :

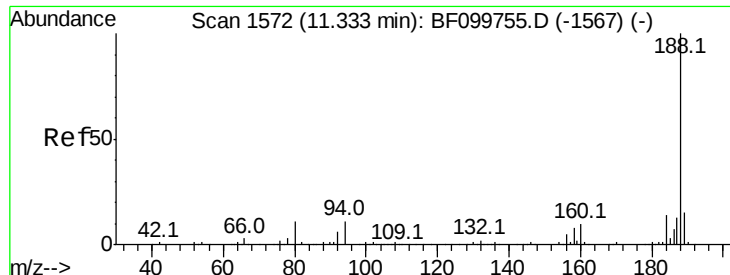
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.7	67.1#
89	1.3	44.0	66.0#



#56
 2,4-Dinitrotoluene
 Concen: 6.466 ng
 RT: 9.80 min Scan# 1312
 Delta R.T. -0.22 min
 Lab File: BF100160.D
 Acq: 4 Nov 2017 4:01

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.4	54.6#
89	1.3	57.8	86.6#
182	0.0	1.6	2.4#

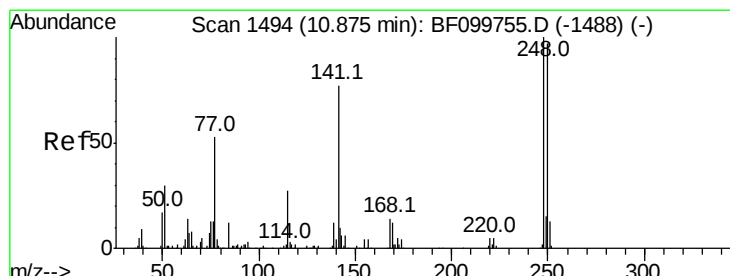
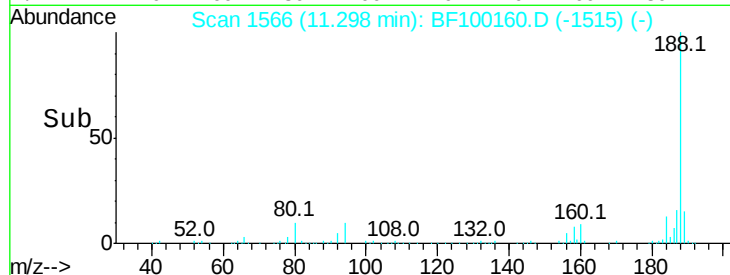
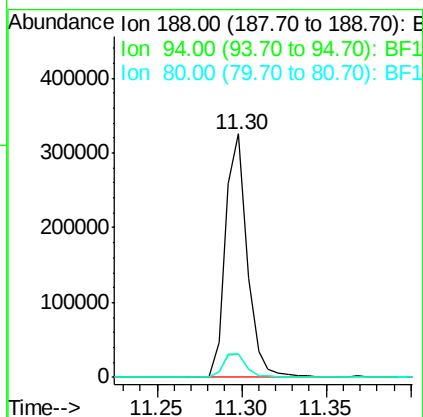
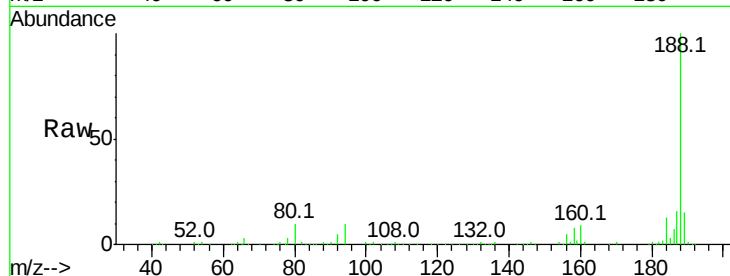




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.30 min Scan# 1566
 Delta R.T. 0.00 min
 Lab File: BF100160.D
 Acq: 4 Nov 2017 4:01

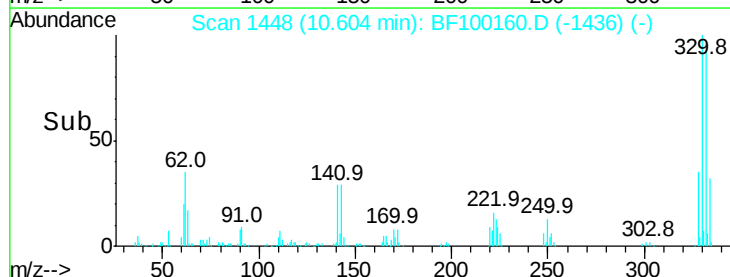
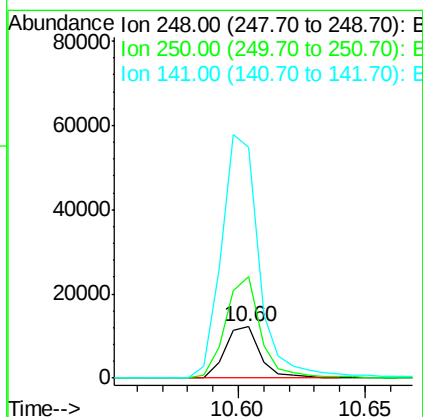
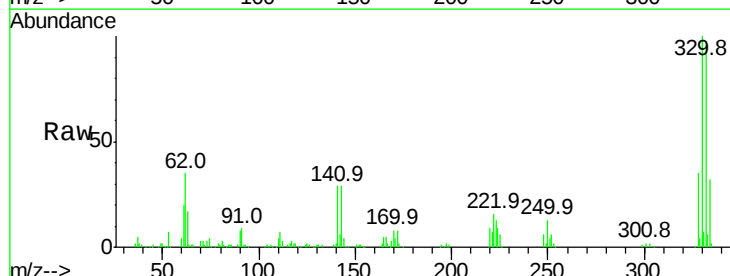
Instrument :
 BNA_F
 ClientSampleId :

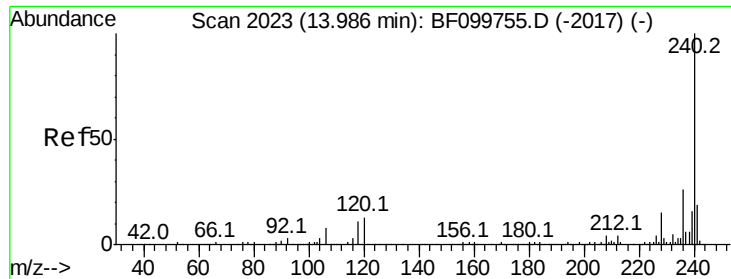
Tot Ion	Ratio	Lower	Upper
188	100		
94	9.7	8.5	12.7
80	9.9	9.2	13.8



#66
 4-Bromophenyl-phenylether
 Concen: 3.811 ng
 RT: 10.60 min Scan# 1448
 Delta R.T. -0.23 min
 Lab File: BF100160.D
 Acq: 4 Nov 2017 4:01

Tgt Ion	Ratio	Lower	Upper
248	100		
250	197.9	76.9	115.3#
141	450.7	74.4	111.6#

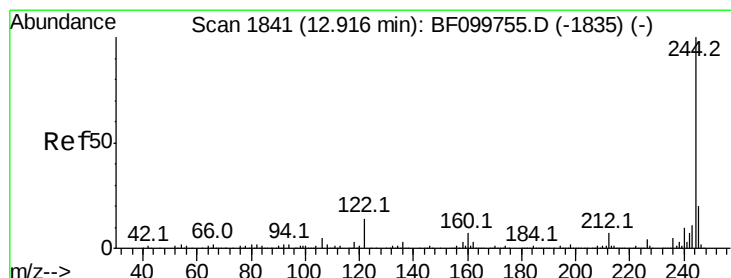
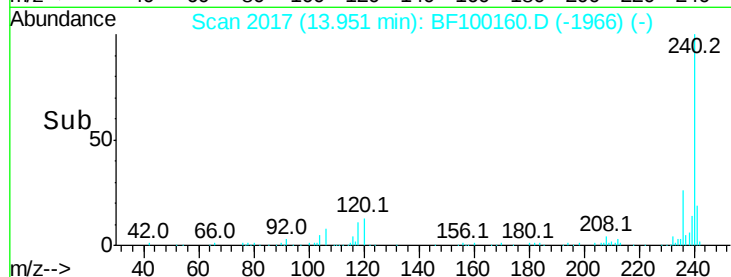
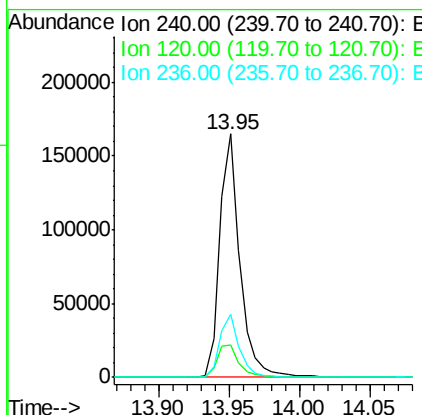
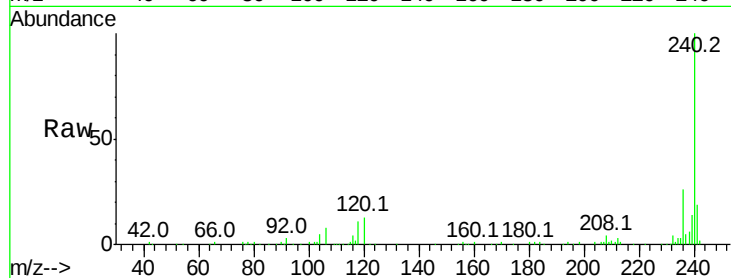




#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.95 min Scan# 2017
 Delta R.T. 0.00 min
 Lab File: BF100160.D
 Acq: 4 Nov 2017 4:01

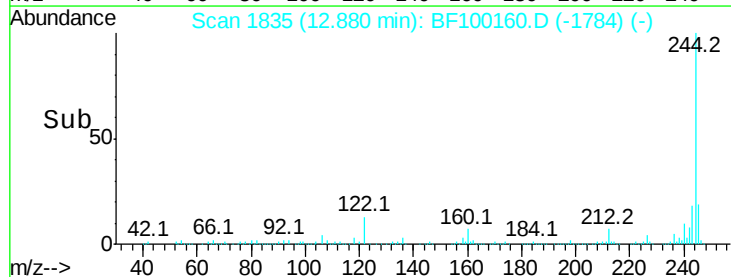
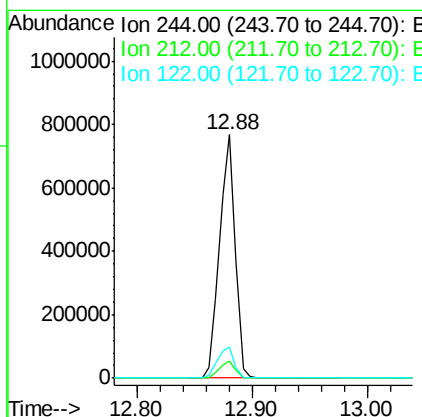
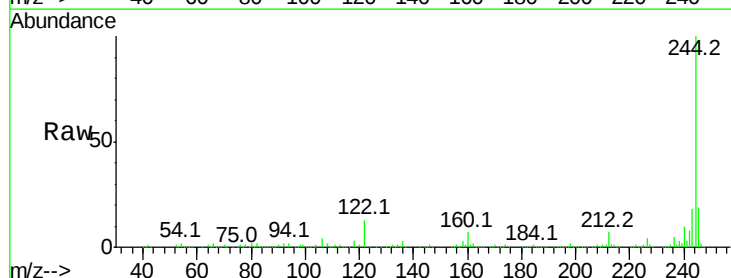
Instrument :
 BNA_F
 ClientSampleId :

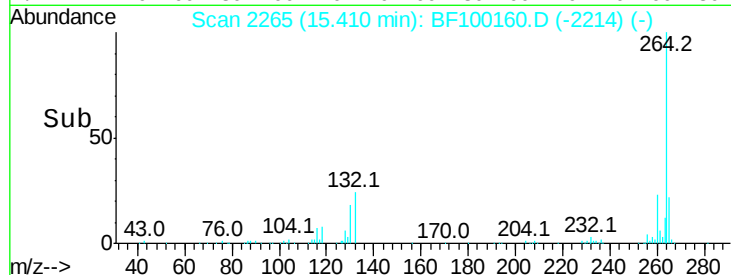
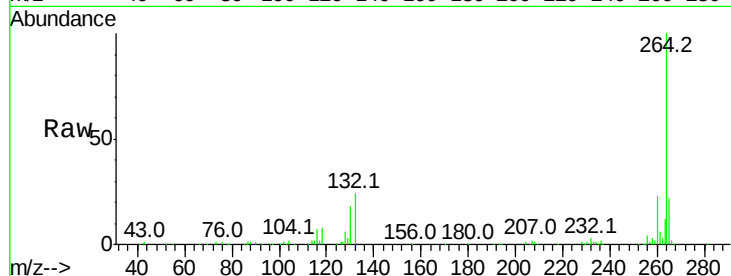
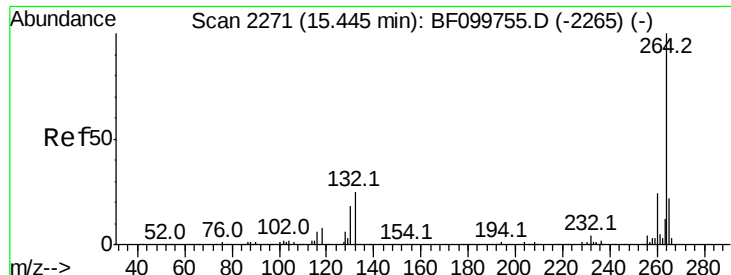
Tot Ion:240 Resp: 163913
 Ion Ratio Lower Upper
 240 100
 120 13.1 9.5 14.3
 236 25.7 20.7 31.1



#78
 Terphenyl-d14
 Concen: 96.444 ng
 RT: 12.88 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: BF100160.D
 Acq: 4 Nov 2017 4:01

Tgt Ion:244 Resp: 723371
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.4 8.0
 122 12.6 11.0 16.4





#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.41 min Scan# 2265
 Delta R.T. 0.00 min
 Lab File: BF100160.D
 Acq: 4 Nov 2017 4:01

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:	264	Resp:	164705
Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.2	28.8
265	21.8	17.5	26.3

