

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100717\
 Data File : BF099213.D
 Acq On : 8 Oct 2017 1:30
 Operator : SJ/JU
 Sample : PB103045BL
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 08 03:42:32 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 05 17:20:48 2017
 Response via : Initial Calibration

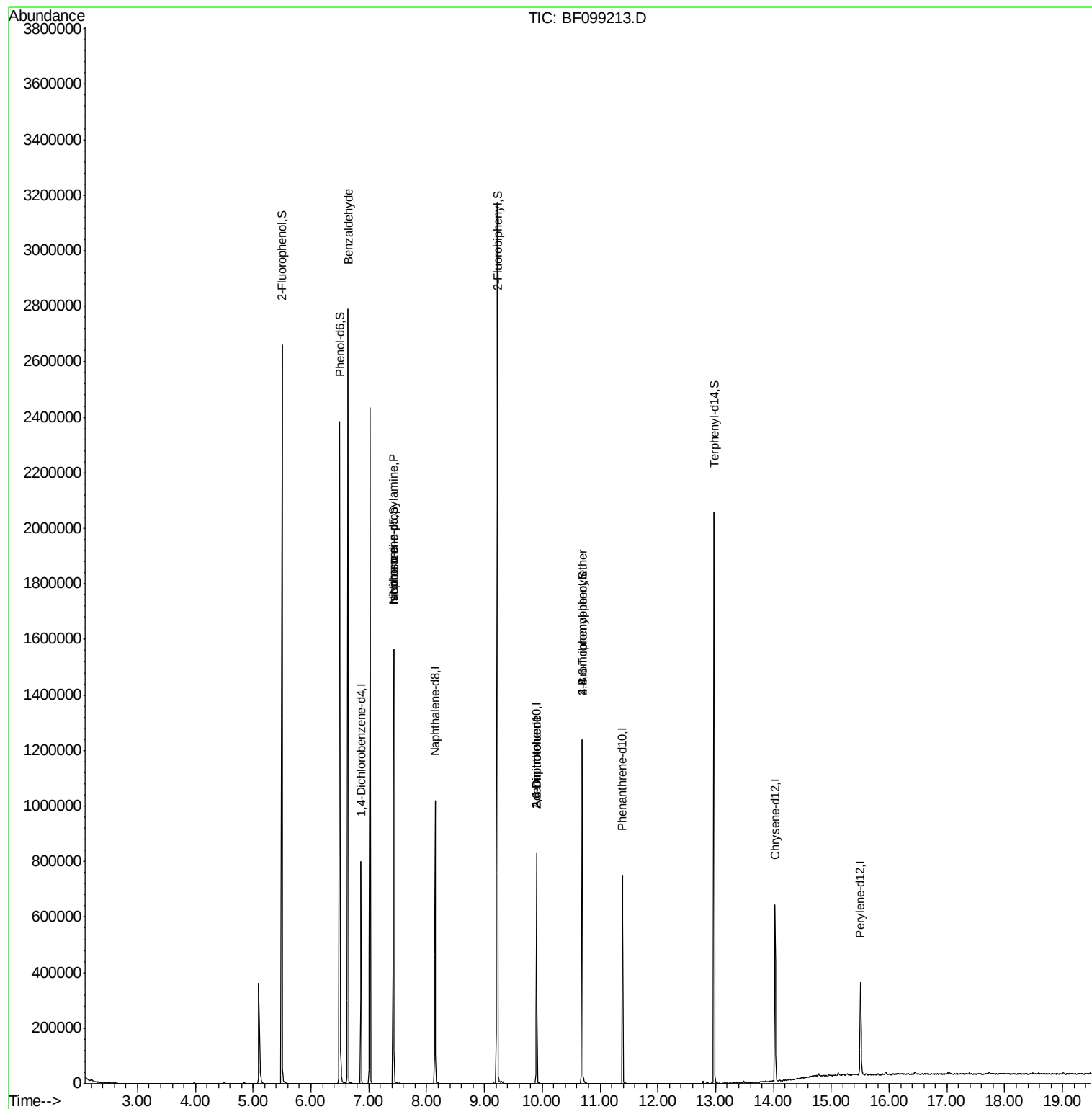
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	115391	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	448862	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	171047	20.00	ng	0.00
63) Phenanthrene-d10	11.39	188	258419	20.00	ng	0.00
75) Chrysene-d12	14.03	240	195463	20.00	ng	0.00
86) Perylene-d12	15.50	264	148798	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	840574	115.96	ng	0.02
7) Phenol-d6	6.50	99	980704	109.67	ng	0.00
23) Nitrobenzene-d5	7.43	82	553424	79.07	ng	0.00
41) 2,4,6-Tribromophenol	10.69	330	138383	98.87	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	990036	96.63	ng	0.00
78) Terphenyl-d14	12.97	244	677887	78.87	ng	0.00
Target Compounds						
9) Benzaldehyde	6.64	77	16319	3.146	ng	83
19) n-Nitroso-di-n-propylamine	7.43	70	70790	12.400	ng	# 72
25) Isophorone	7.43	82	553416	38.243	ng	# 64
50) 2,6-Dinitrotoluene	9.90	165	21627	7.695	ng	# 24
56) 2,4-Dinitrotoluene	9.90	165	21627	5.929	ng	# 21
66) 4-Bromophenyl-phenylether	10.69	248	9116	3.604	ng	# 1

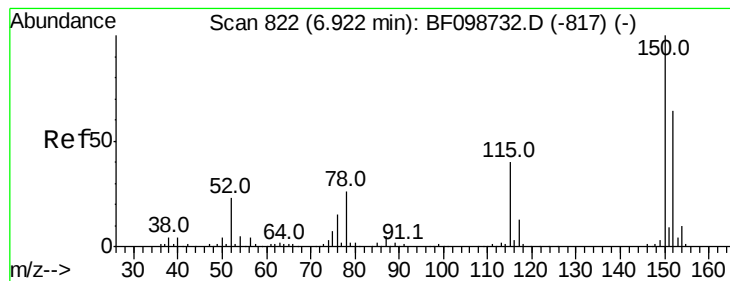
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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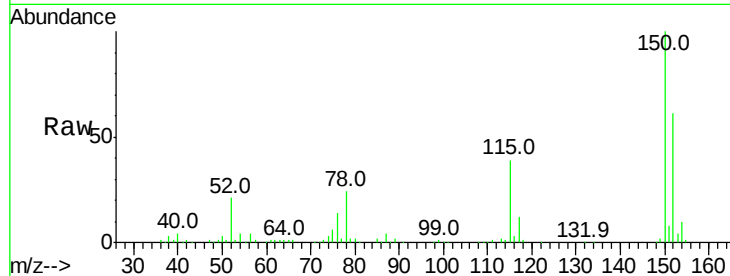


#1

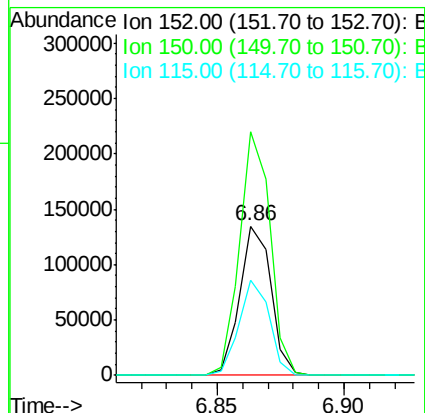
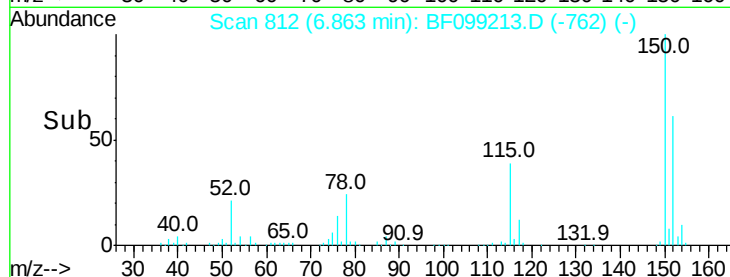
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 812
Delta R.T. -0.01 min
Lab File: BF099213.D
Acq: 8 Oct 2017 1:30

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 115391
Ion Ratio Lower Upper
152 100
150 162.9 124.6 186.8
115 63.3 50.1 75.1



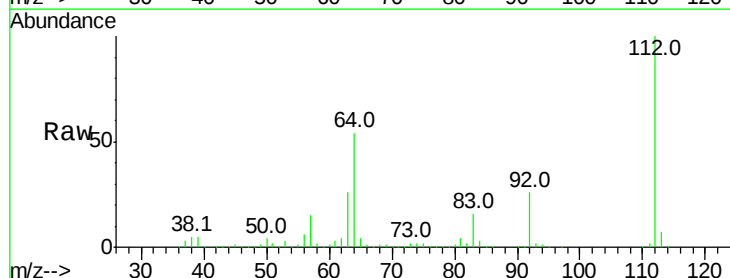
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



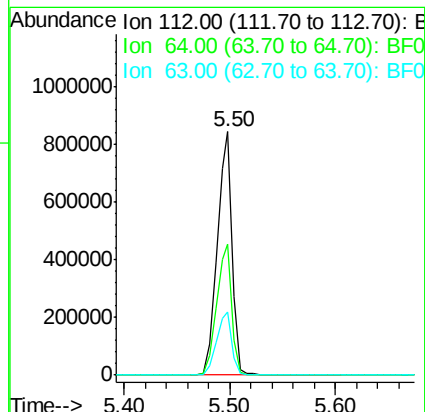
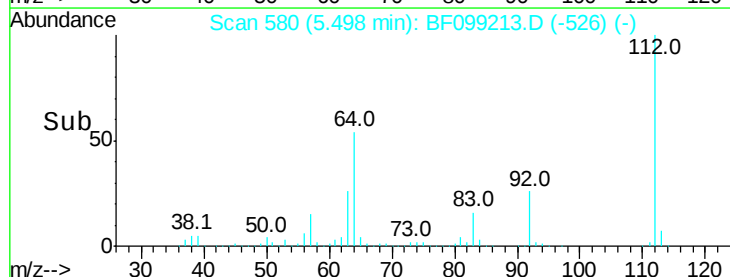
#5

2-Fluorophenol
Concen: 115.963 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.02 min
Lab File: BF099213.D
Acq: 8 Oct 2017 1:30

Tgt Ion:112 Resp: 840574
Ion Ratio Lower Upper
112 100
64 53.5 47.9 71.9
63 26.1 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: 109.674 ng

RT: 6.50 min Scan# 750

Delta R.T. 0.00 min

Lab File: BF099213.D

Acq: 8 Oct 2017 1:30

Instrument :

BNA_F

ClientSampleId :

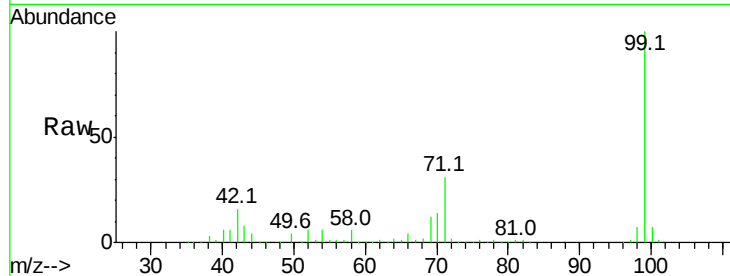
Tot Ion: 99 Resp: 980704

Ion Ratio Lower Upper

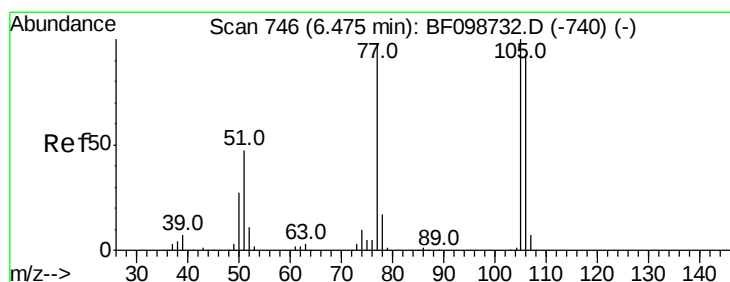
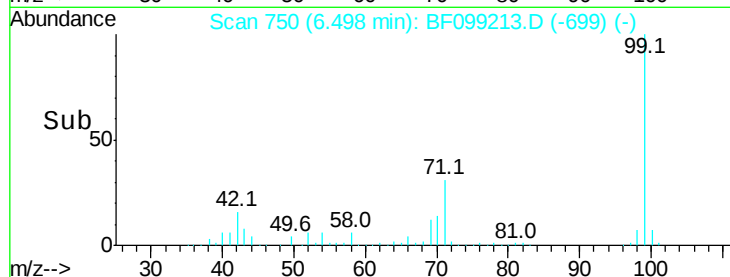
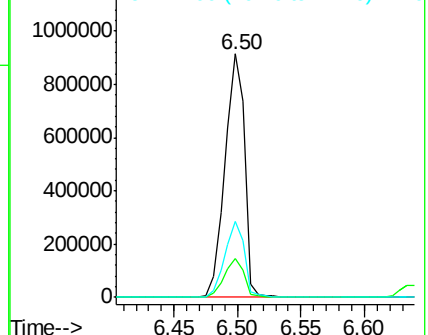
99 100

42 15.8 14.5 21.7

71 31.0 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: 3.146 ng

RT: 6.64 min Scan# 774

Delta R.T. 0.22 min

Lab File: BF099213.D

Acq: 8 Oct 2017 1:30

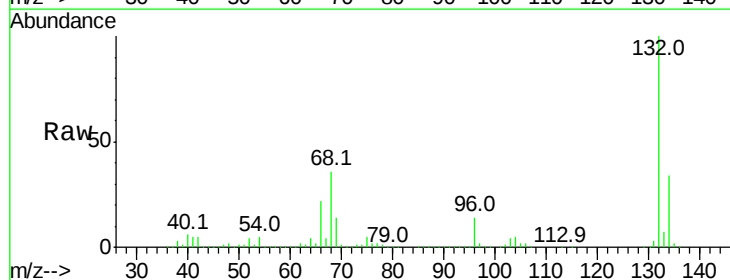
Tgt Ion: 77 Resp: 16319

Ion Ratio Lower Upper

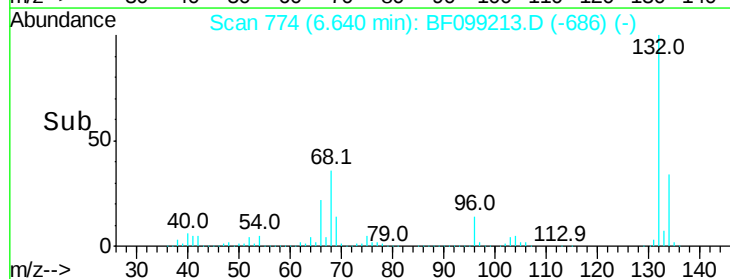
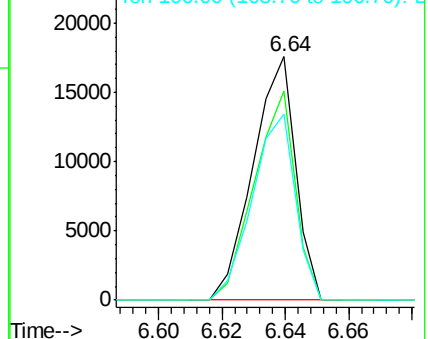
77 100

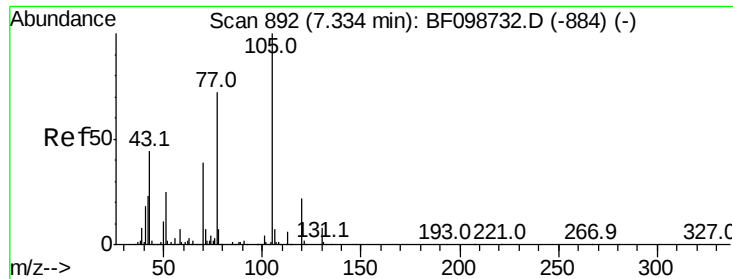
105 86.1 81.1 121.1

106 76.4 74.5 114.5



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

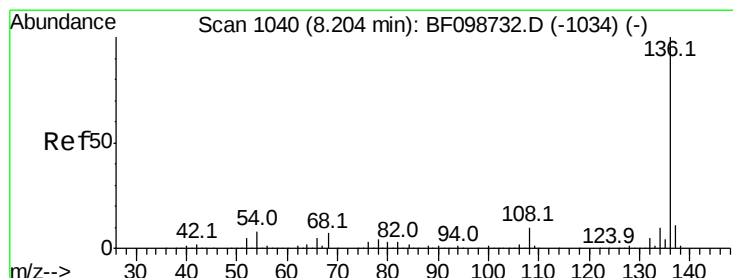
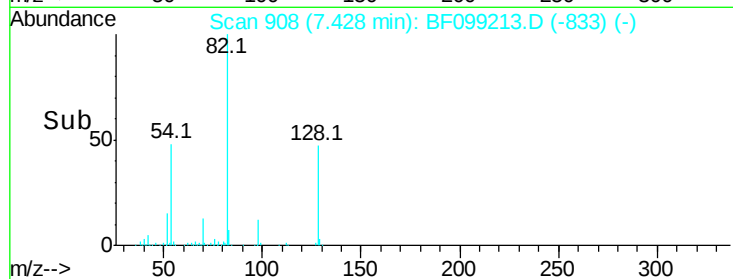
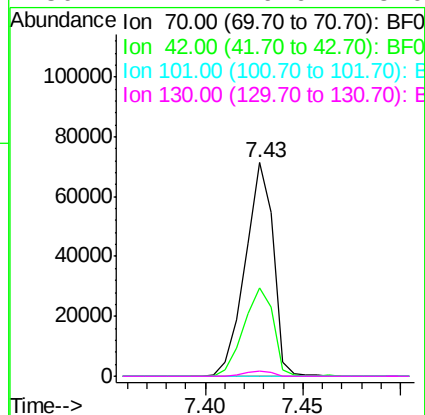
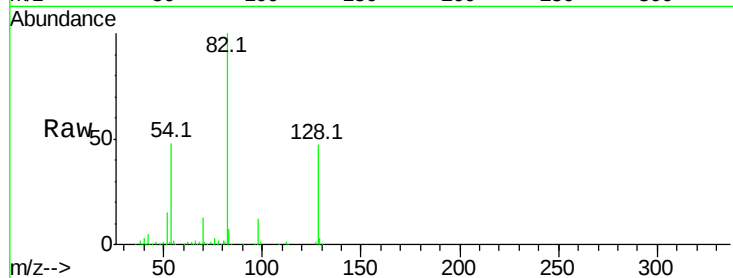




#19
n-Nitroso-di-n-propylamine
Concen: 12.400 ng
RT: 7.43 min Scan# 908
Delta R.T. 0.14 min
Lab File: BF099213.D
Acq: 8 Oct 2017 1:30

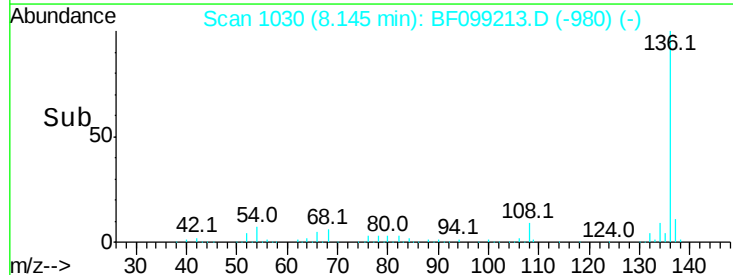
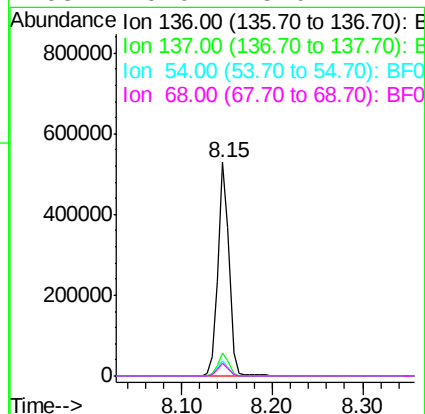
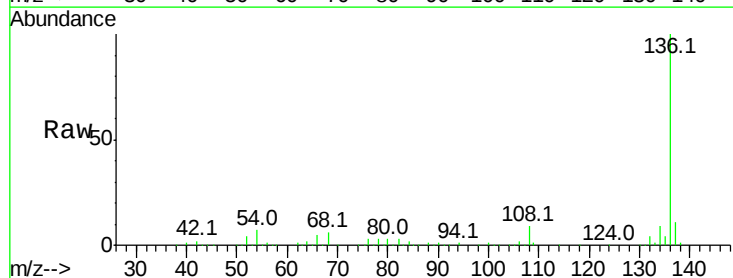
Instrument :
BNA_F
ClientSampleId :

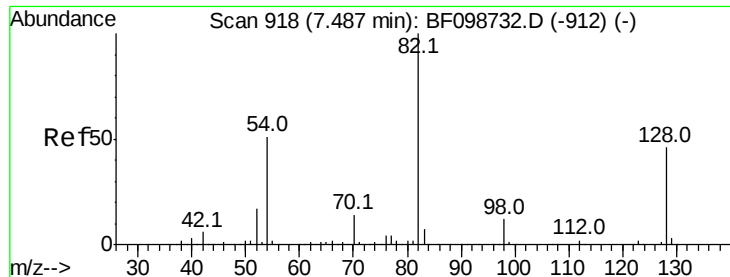
Tot Ion:	70	Resp:	70790
Ion	Ratio	Lower	Upper
70	100		
42	41.5	47.5	71.3#
101	0.0	7.4	11.2#
130	2.2	16.6	25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1030
Delta R.T. -0.01 min
Lab File: BF099213.D
Acq: 8 Oct 2017 1:30

Tgt Ion:	136	Resp:	448862
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	7.4	6.6	9.8
68	6.0	5.0	7.4

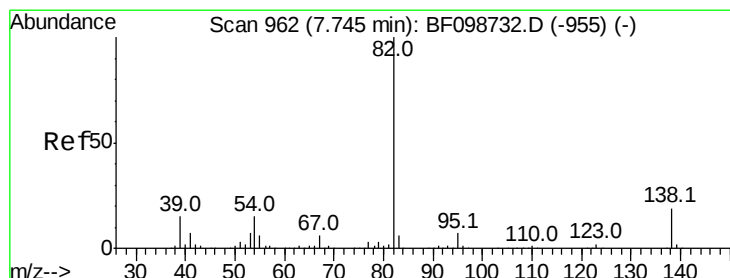
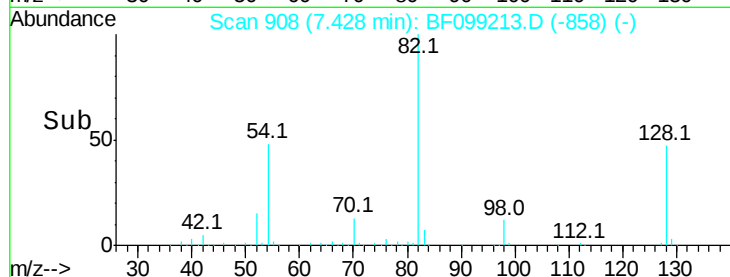
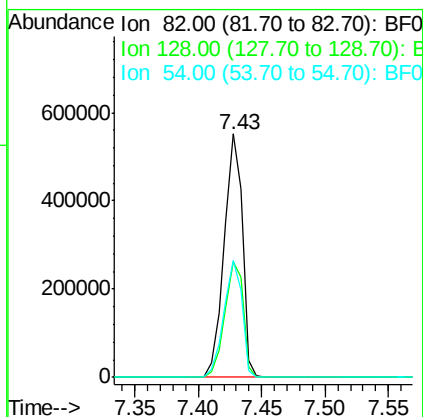
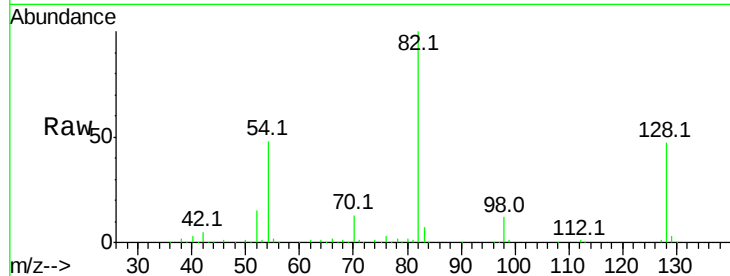




#23
 Nitrobenzene-d5
 Concen: 79.069 ng
 RT: 7.43 min Scan# 908
 Delta R.T. -0.01 min
 Lab File: BF099213.D
 Acq: 8 Oct 2017 1:30

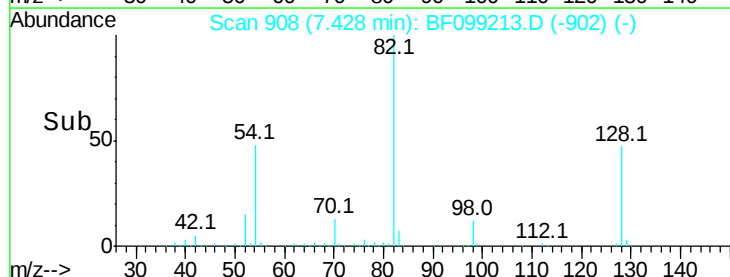
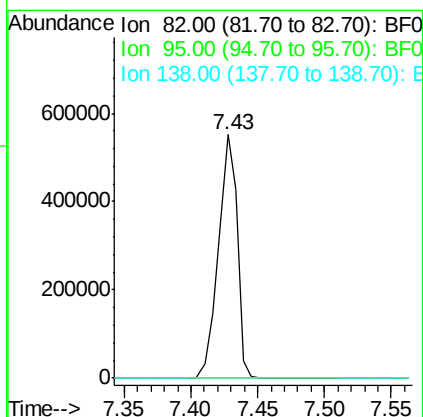
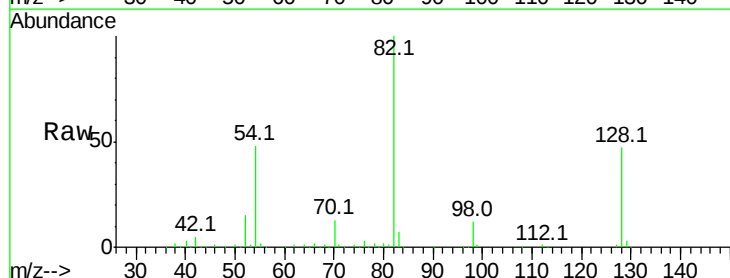
Instrument :
 BNA_F
 ClientSampled :

Tot Ion: 82 Resp: 553424
 Ion Ratio Lower Upper
 82 100
 128 47.3 36.1 54.1
 54 48.1 41.4 62.2



#25
 Isophorone
 Concen: 38.243 ng
 RT: 7.43 min Scan# 908
 Delta R.T. -0.26 min
 Lab File: BF099213.D
 Acq: 8 Oct 2017 1:30

Tgt Ion: 82 Resp: 553416
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.2 7.8#
 138 0.0 14.9 22.3#

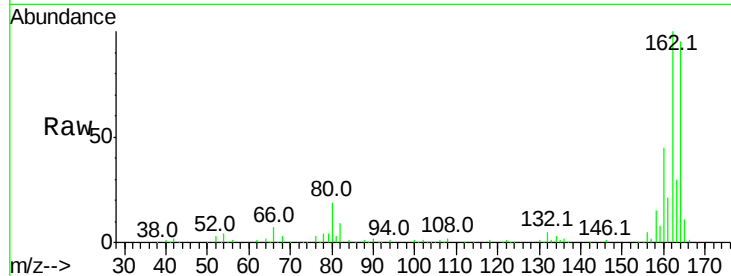




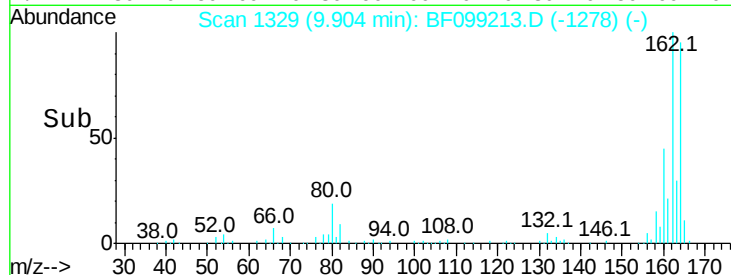
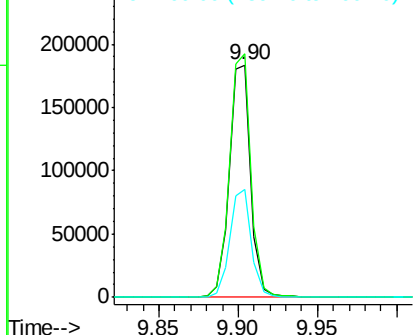
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1329
Delta R.T. 0.00 min
Lab File: BF099213.D
Acq: 8 Oct 2017 1:30

Instrument :
BNA_F
ClientSampled :

Tot Ion:164 Resp: 171047
Ion Ratio Lower Upper
164 100
162 104.7 86.1 129.1
160 46.7 38.3 57.5

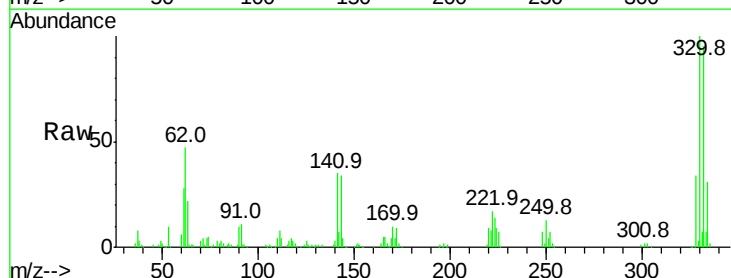


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

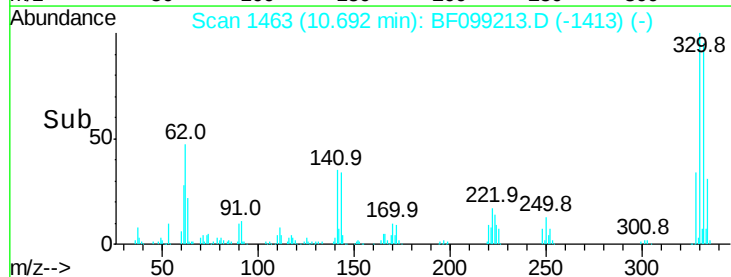
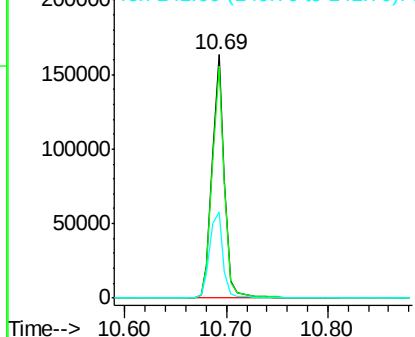


#41
2,4,6-Tribromophenol
Concen: 98.871 ng
RT: 10.69 min Scan# 1463
Delta R.T. -0.01 min
Lab File: BF099213.D
Acq: 8 Oct 2017 1:30

Tgt Ion:330 Resp: 138383
Ion Ratio Lower Upper
330 100
332 95.3 77.0 115.6
141 38.7 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

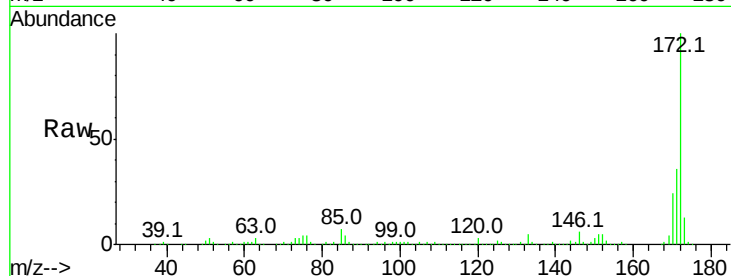




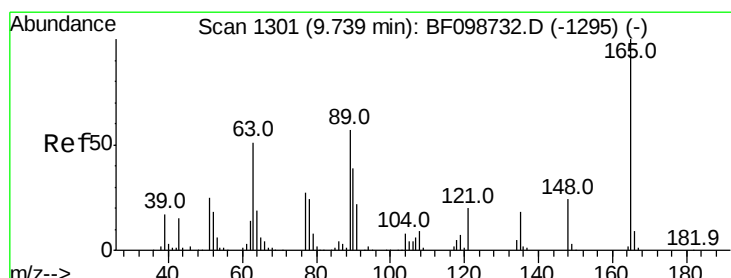
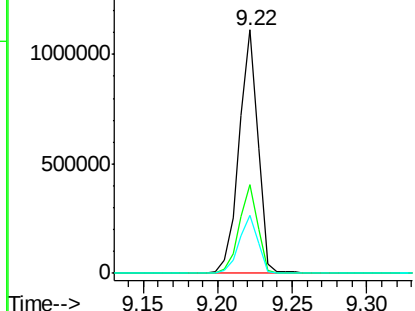
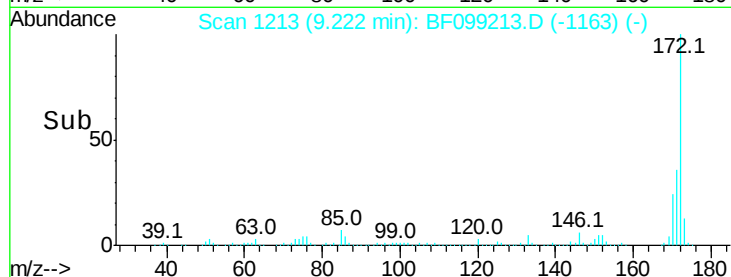
#44
 2-Fluorobiphenyl
 Concen: 96.627 ng
 RT: 9.22 min Scan# 1213
 Delta R.T. -0.01 min
 Lab File: BF099213.D
 Acq: 8 Oct 2017 1:30

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.7	44.5
170	23.7	19.6	29.4

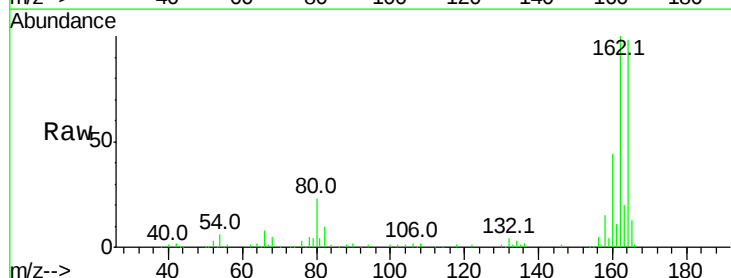


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

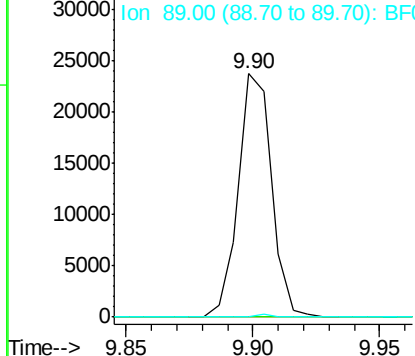
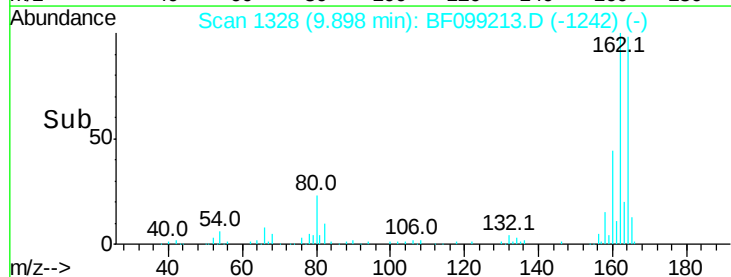


#50
 2,6-Dinitrotoluene
 Concen: 7.695 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. 0.21 min
 Lab File: BF099213.D
 Acq: 8 Oct 2017 1:30

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.7	67.1#
89	0.0	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

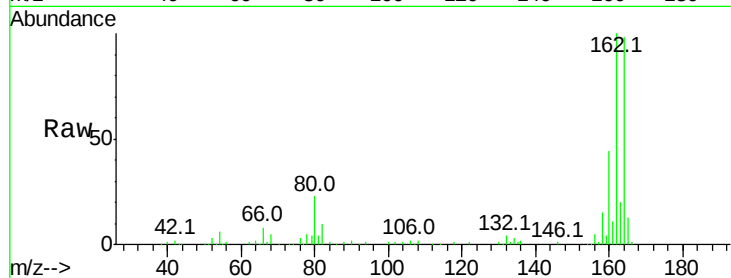




#56
 2,4-Dinitrotoluene
 Concen: 5.929 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. -0.20 min
 Lab File: BF099213.D
 Acq: 8 Oct 2017 1:30

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:	165	Resp:	21627
Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.4	54.6#
89	0.0	57.8	86.6#
182	0.0	1.6	2.4#

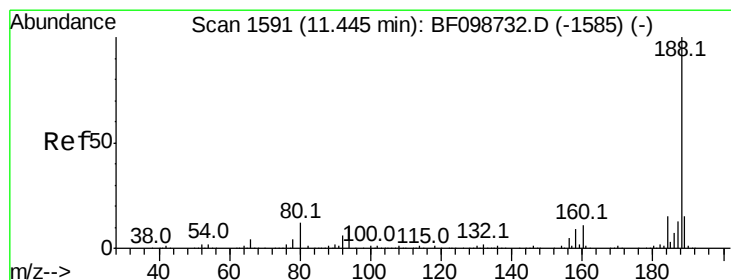
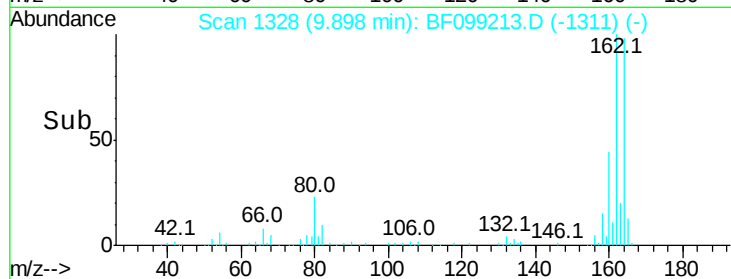
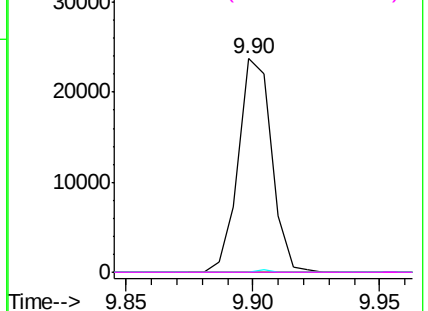


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

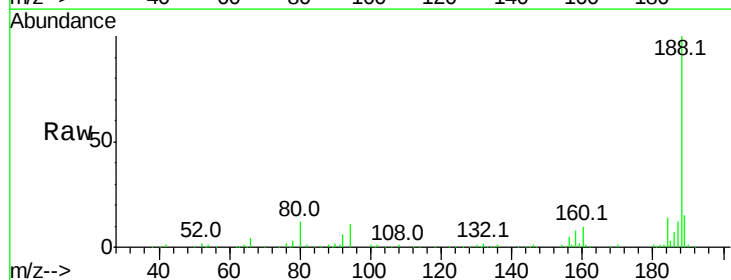
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.39 min Scan# 1581
 Delta R.T. -0.01 min
 Lab File: BF099213.D
 Acq: 8 Oct 2017 1:30

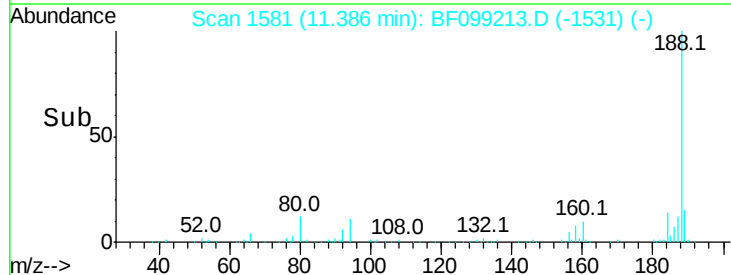
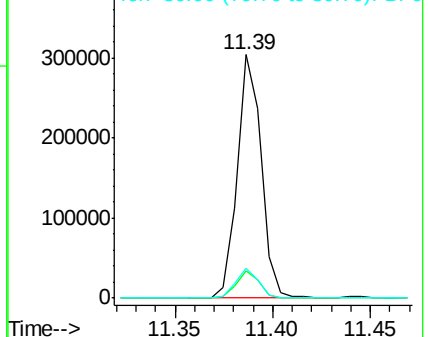
Tgt Ion:	188	Resp:	258419
Ion	Ratio	Lower	Upper
188	100		
94	11.0	8.5	12.7
80	12.0	9.2	13.8

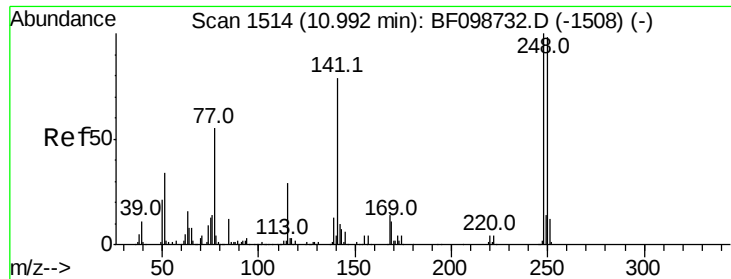


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

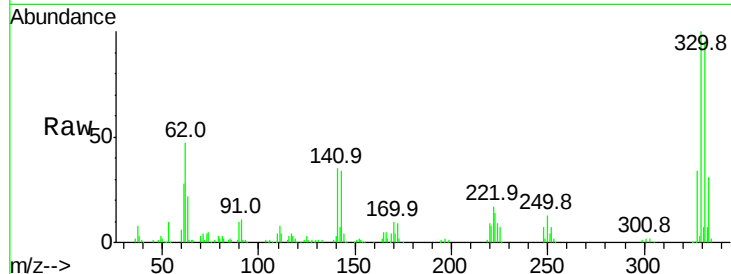




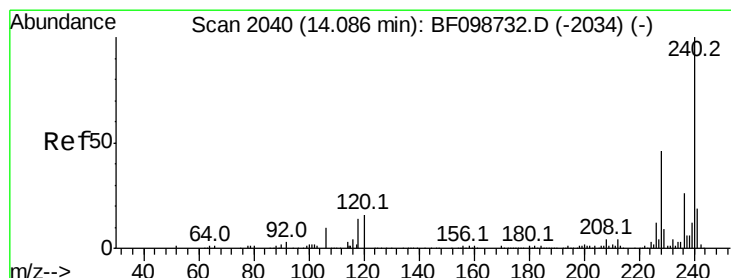
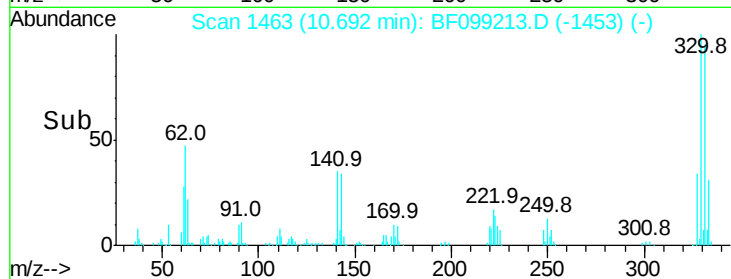
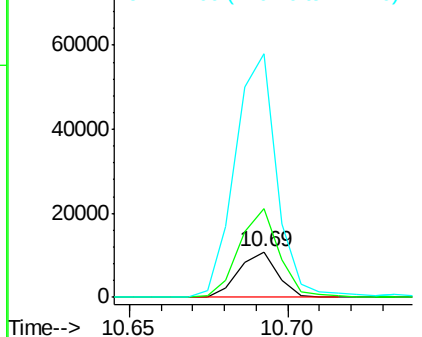
#66
 4-Bromophenyl-phenylether
 Concen: 3.604 ng
 RT: 10.69 min Scan# 1463
 Delta R.T. -0.24 min
 Lab File: BF099213.D
 Acq: 8 Oct 2017 1:30

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 9116
 Ion Ratio Lower Upper
 248 100
 250 194.1 76.9 115.3#
 141 531.9 74.4 111.6#

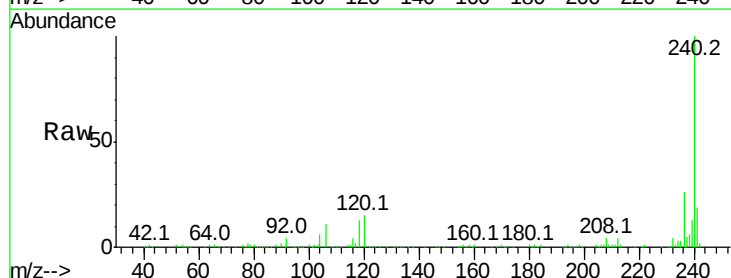


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

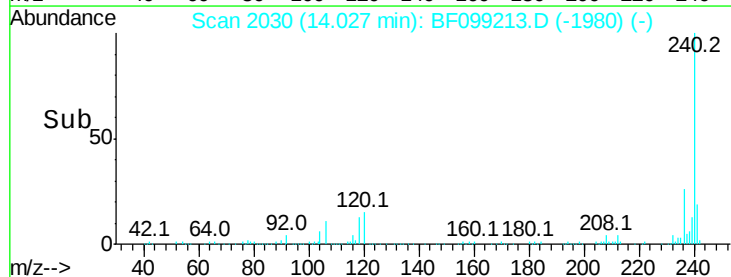
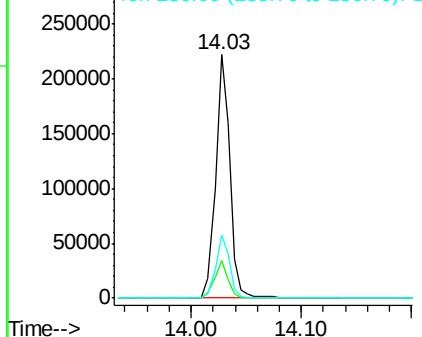


#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.03 min Scan# 2030
 Delta R.T. -0.01 min
 Lab File: BF099213.D
 Acq: 8 Oct 2017 1:30

Tgt Ion:240 Resp: 195463
 Ion Ratio Lower Upper
 240 100
 120 15.5 9.5 14.3#
 236 26.0 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: 78.872 ng

RT: 12.97 min Scan# 1851

Delta R.T. 0.00 min

Lab File: BF099213.D

Acq: 8 Oct 2017 1:30

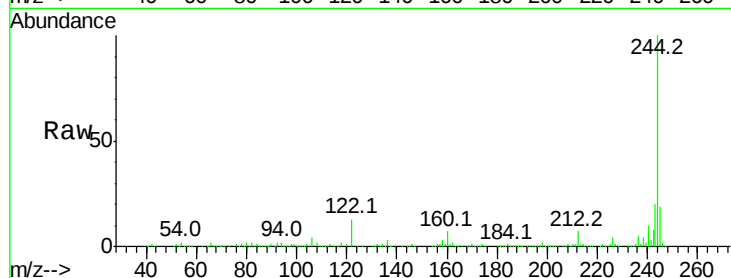
Instrument :

BNA_F

ClientSampleId :

Tot Ion:244 Resp: 677887

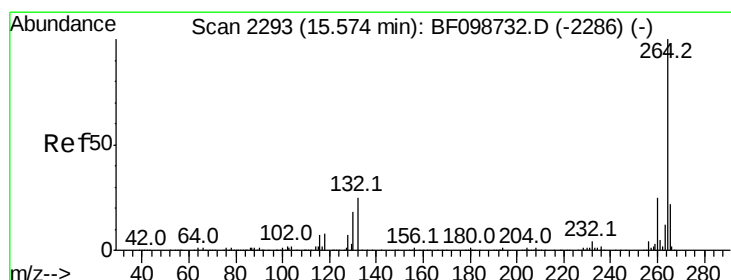
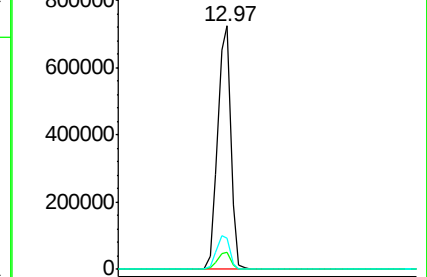
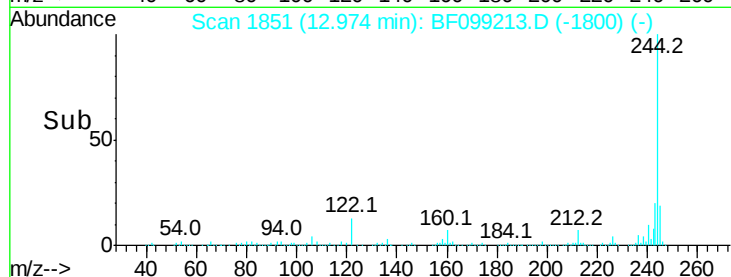
Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.4	8.0
122	12.5	11.0	16.4



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: 15.50 min Scan# 2281

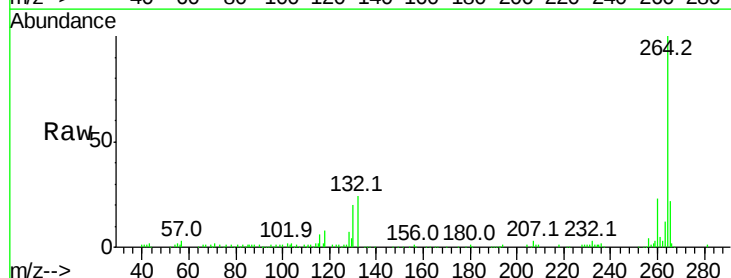
Delta R.T. 0.00 min

Lab File: BF099213.D

Acq: 8 Oct 2017 1:30

Tgt Ion:264 Resp: 148798

Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.2	28.8
265	21.8	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

