

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102817\
 Data File : BF099937.D
 Acq On : 29 Oct 2017 2:21
 Operator : SJ/JU
 Sample : I6023-04
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 30 02:04:26 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 27 15:58:57 2017
 Response via : Initial Calibration

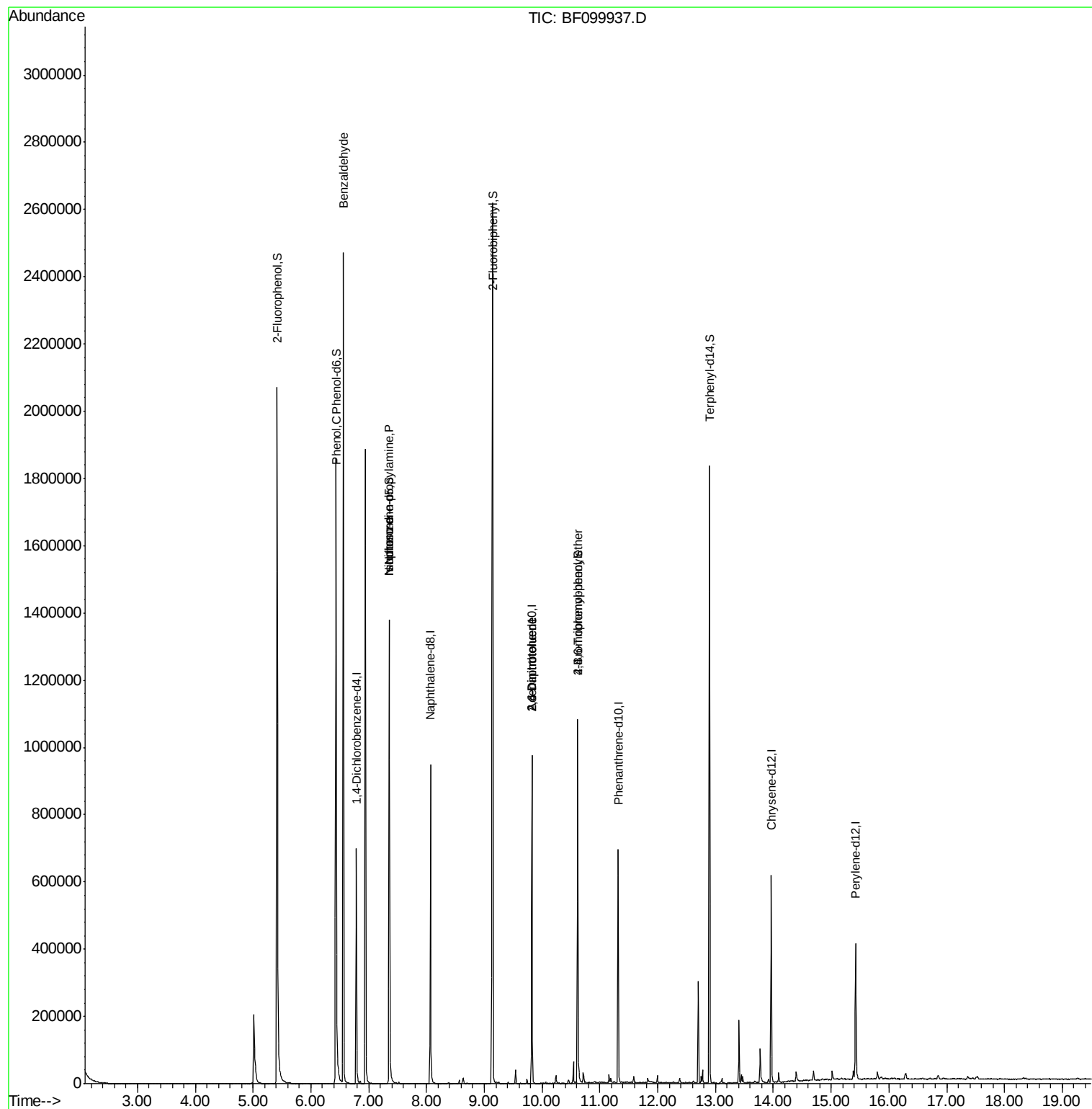
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	112988	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	450877	20.00	ng	-0.01
38) Acenaphthene-d10	9.82	164	183416	20.00	ng	-0.02
63) Phenanthrene-d10	11.32	188	258681	20.00	ng	-0.02
75) Chrysene-d12	13.96	240	197315	20.00	ng	-0.03
86) Perylene-d12	15.43	264	193604	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	726952	101.01	ng	0.00
7) Phenol-d6	6.43	99	875509	102.60	ng	0.00
23) Nitrobenzene-d5	7.36	82	498307	71.15	ng	-0.01
41) 2,4,6-Tribromophenol	10.62	330	133529	79.89	ng	-0.02
44) 2-Fluorobiphenyl	9.15	172	938384	78.93	ng	-0.01
78) Terphenyl-d14	12.90	244	576362	63.84	ng	-0.02
Target Compounds						
9) Benzaldehyde	6.56	77	12849	2.520	ng	91
10) Phenol	6.45	94	28437	3.035	ng	91
19) n-Nitroso-di-n-propylamine	7.36	70	61595	12.317	ng	# 71
25) Isophorone	7.36	82	498307	39.212	ng	# 64
50) 2,6-Dinitrotoluene	9.82	165	23359	7.650	ng	# 24
56) 2,4-Dinitrotoluene	9.82	165	23359	6.352	ng	# 22
66) 4-Bromophenyl-phenylether	10.62	248	9056	3.325	ng	# 1

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

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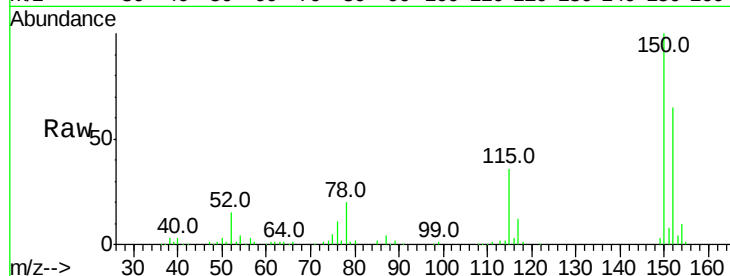


#1

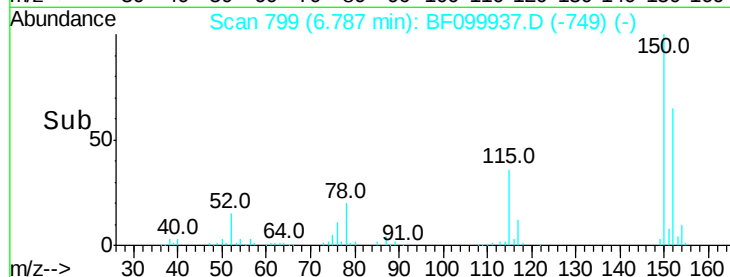
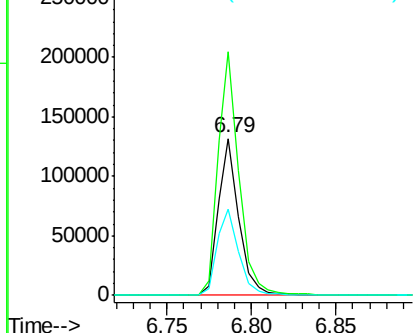
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.79 min Scan# 799
 Delta R.T. -0.01 min
 Lab File: BF099937.D
 Acq: 29 Oct 2017 2:21

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 112988
 Ion Ratio Lower Upper
 152 100
 150 154.9 124.6 186.8
 115 55.1 50.1 75.1



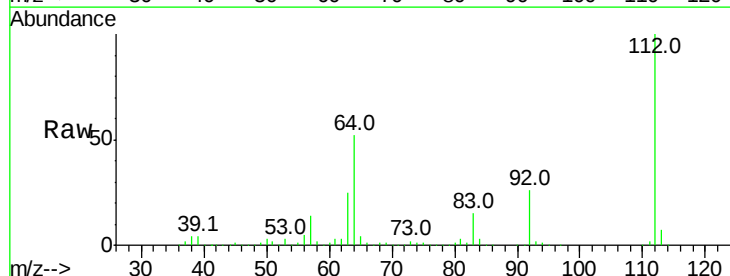
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



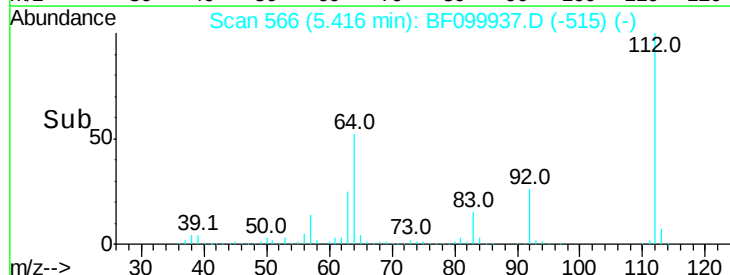
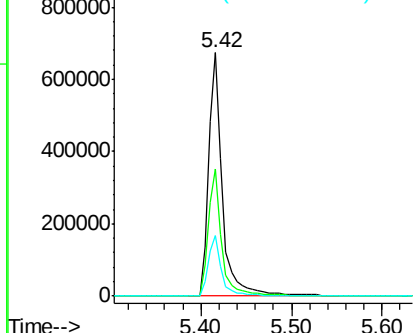
#5

2-Fluorophenol
 Concen: 101.010 ng
 RT: 5.42 min Scan# 566
 Delta R.T. -0.00 min
 Lab File: BF099937.D
 Acq: 29 Oct 2017 2:21

Tgt Ion:112 Resp: 726952
 Ion Ratio Lower Upper
 112 100
 64 52.1 47.9 71.9
 63 24.7 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: 102.597 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF099937.D

Acq: 29 Oct 2017 2:21

Instrument :

BNA_F

ClientSampled :

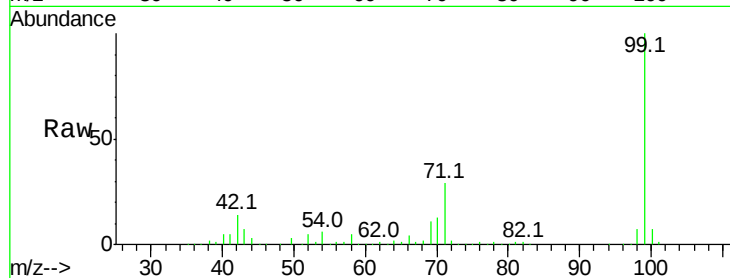
Tot Ion: 99 Resp: 875509

Ion Ratio Lower Upper

99 100

42 14.1 14.5 21.7#

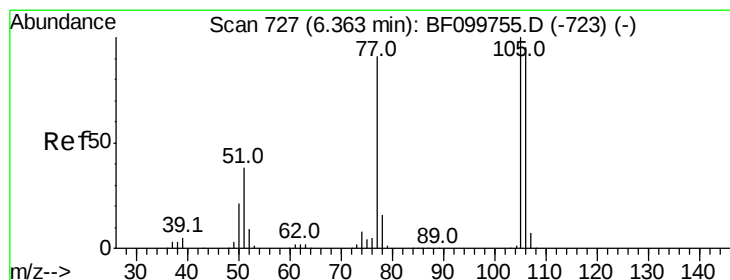
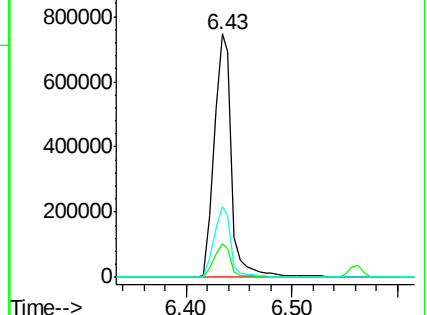
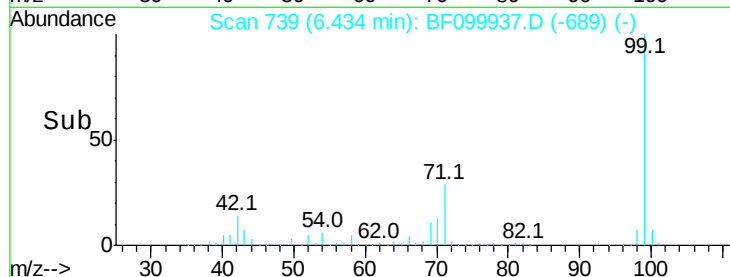
71 29.2 25.4 38.0



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: 2.520 ng

RT: 6.56 min Scan# 761

Delta R.T. 0.21 min

Lab File: BF099937.D

Acq: 29 Oct 2017 2:21

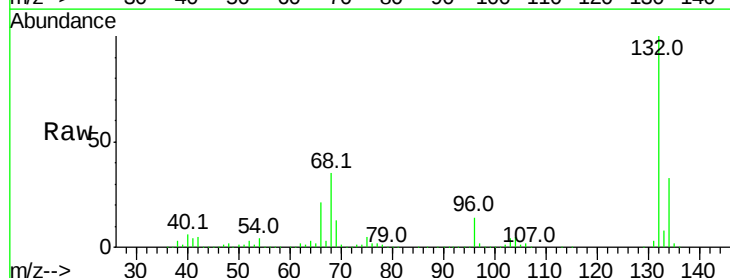
Tgt Ion: 77 Resp: 12849

Ion Ratio Lower Upper

77 100

105 88.9 81.1 121.1

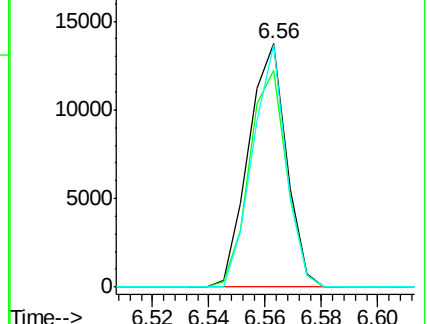
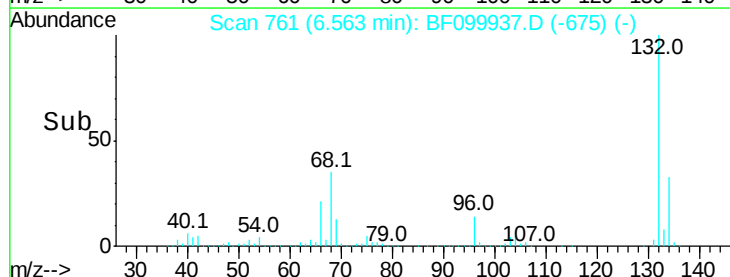
106 99.4 74.5 114.5

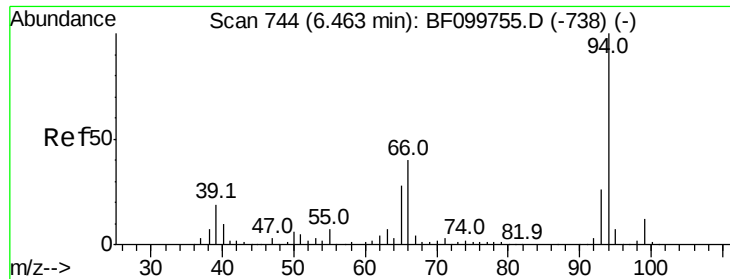


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0





#10

Phenol

Concen: 3.035 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.01 min

Lab File: BF099937.D

Acq: 29 Oct 2017 2:21

Instrument :

BNA_F

ClientSampled :

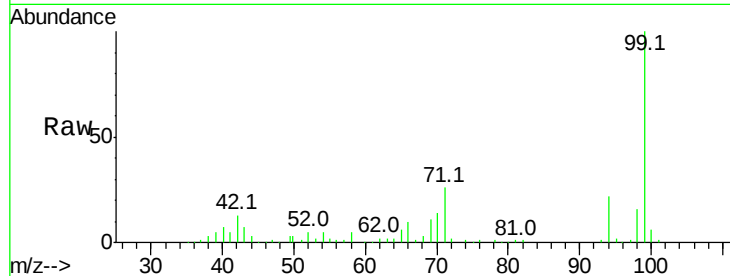
Tot Ion: 94 Resp: 28437

Ion Ratio Lower Upper

94 100

65 28.2 7.9 47.9

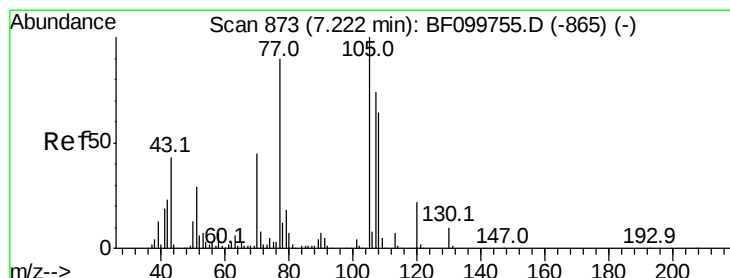
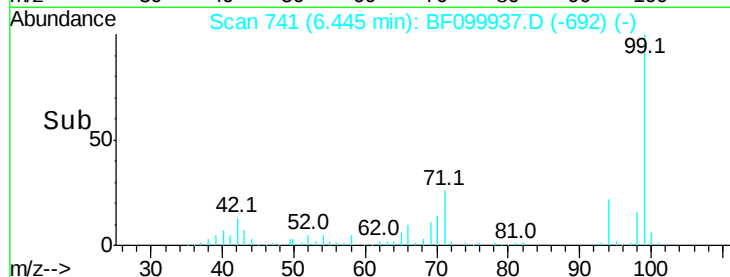
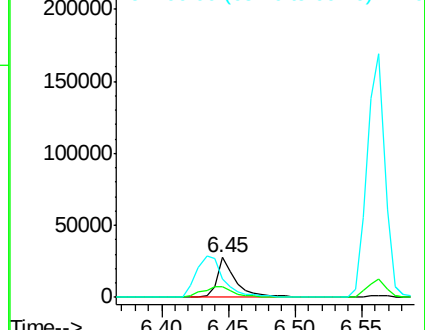
66 45.6 16.2 56.2



Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 12.317 ng

RT: 7.36 min Scan# 896

Delta R.T. 0.15 min

Lab File: BF099937.D

Acq: 29 Oct 2017 2:21

Tgt Ion: 70 Resp: 61595

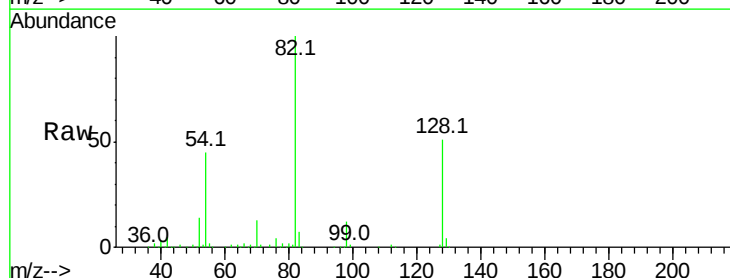
Ion Ratio Lower Upper

70 100

42 39.3 47.5 71.3#

101 0.0 7.4 11.2#

130 2.8 16.6 25.0#

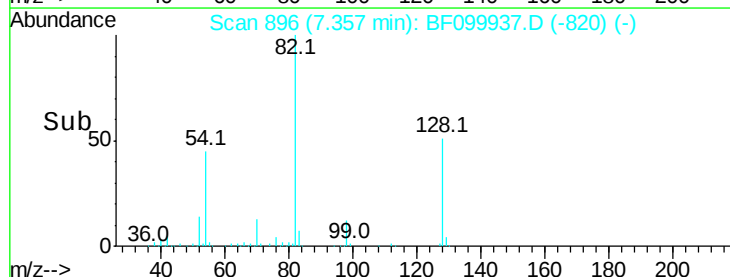
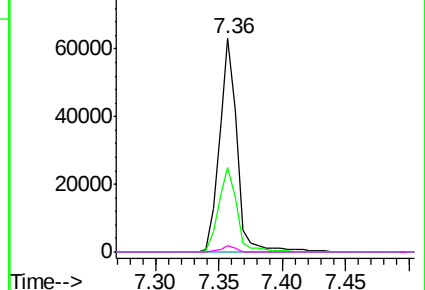


Abundance Ion 70.00 (69.70 to 70.70): BF0

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

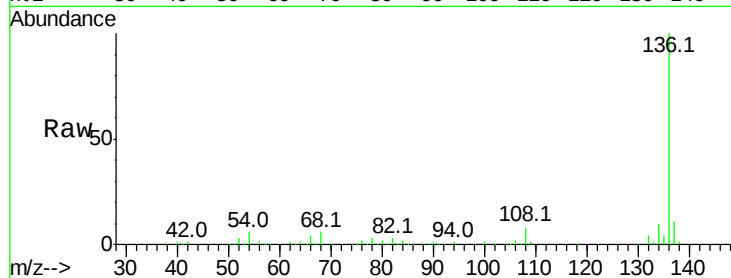




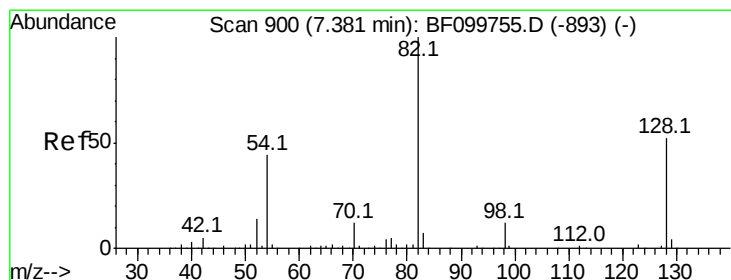
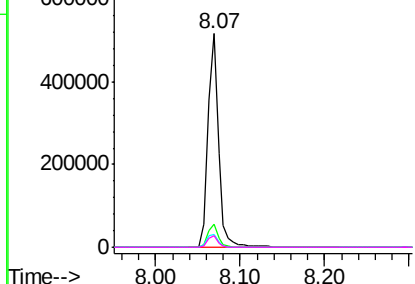
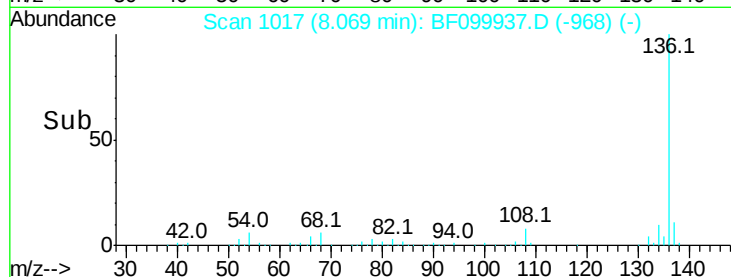
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1017
Delta R.T. -0.01 min
Lab File: BF099937.D
Acq: 29 Oct 2017 2:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	450877
Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.9	13.3
54	5.8	6.6	9.8#
68	5.6	5.0	7.4

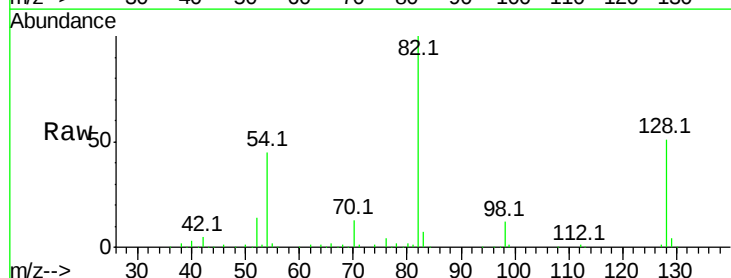


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

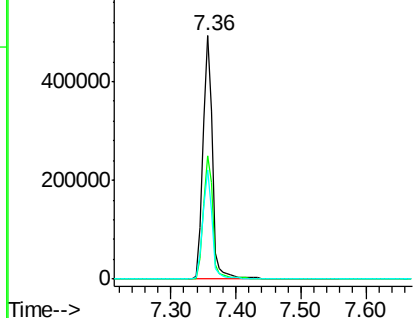
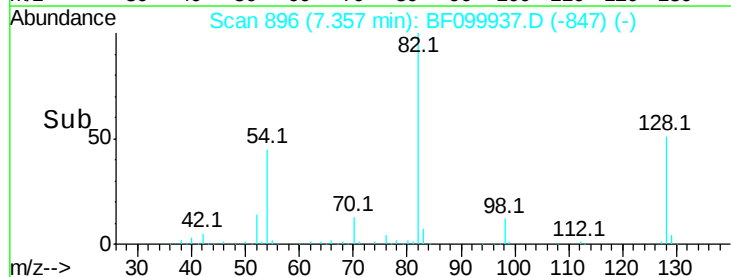


#23
Nitrobenzene-d5
Concen: 71.153 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.01 min
Lab File: BF099937.D
Acq: 29 Oct 2017 2:21

Tgt Ion:	82	Resp:	498307
Ion	Ratio	Lower	Upper
82	100		
128	50.6	36.1	54.1
54	45.0	41.4	62.2



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 39.212 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.26 min

Lab File: BF099937.D

Acq: 29 Oct 2017 2:21

Instrument :

BNA_F

ClientSampleId :

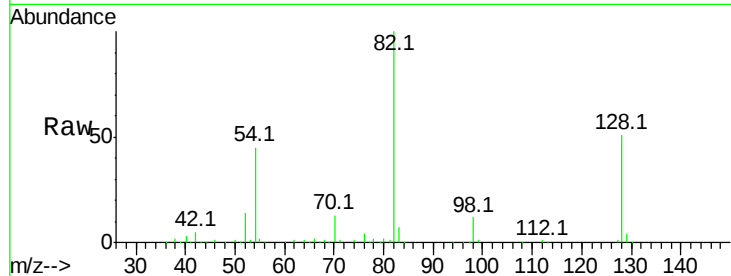
Tot Ion: 82 Resp: 498307

Ion Ratio Lower Upper

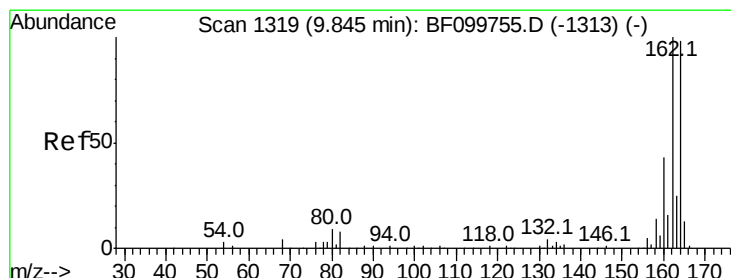
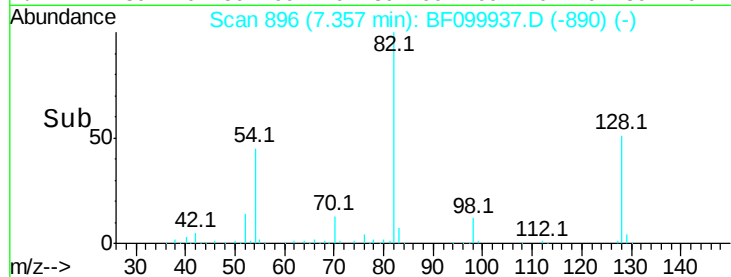
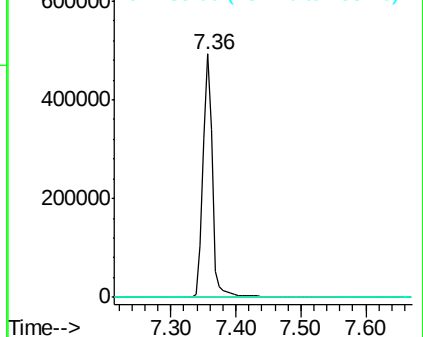
82 100

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: 9.82 min Scan# 1315

Delta R.T. -0.02 min

Lab File: BF099937.D

Acq: 29 Oct 2017 2:21

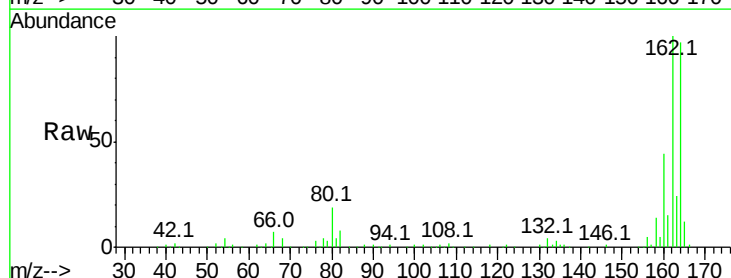
Tgt Ion:164 Resp: 183416

Ion Ratio Lower Upper

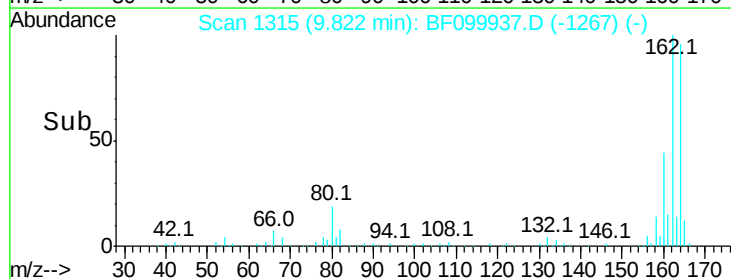
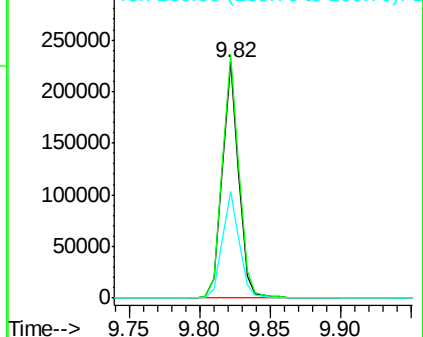
164 100

162 103.2 86.1 129.1

160 45.4 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

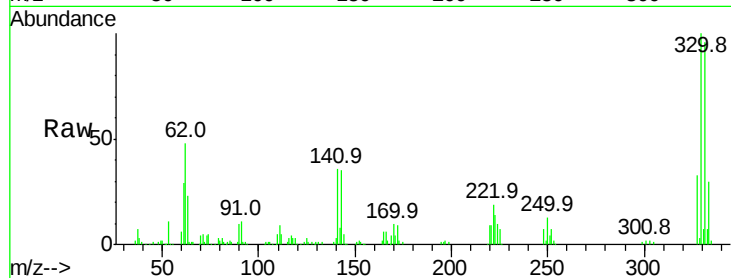




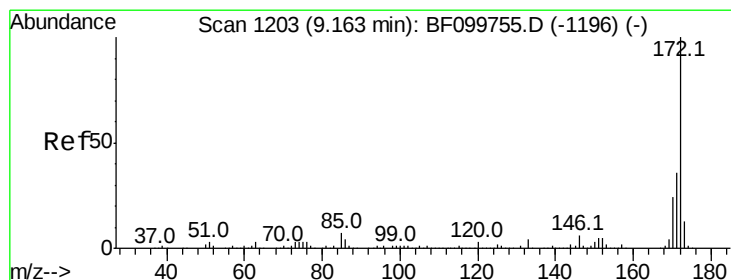
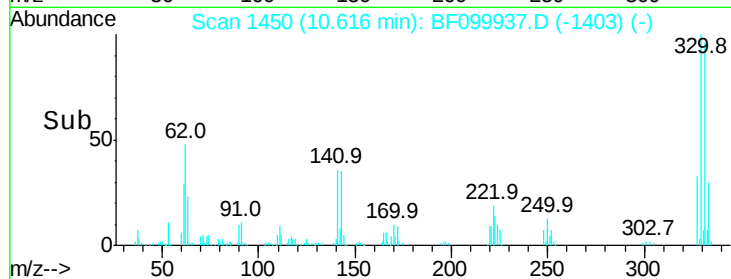
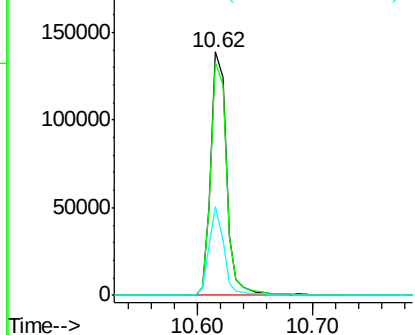
#41
 2,4,6-Tribromophenol
 Concen: 79.886 ng
 RT: 10.62 min Scan# 1450
 Delta R.T. -0.02 min
 Lab File: BF099937.D
 Acq: 29 Oct 2017 2:21

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 133529
 Ion Ratio Lower Upper
 330 100
 332 96.8 77.0 115.6
 141 34.3 29.9 44.9

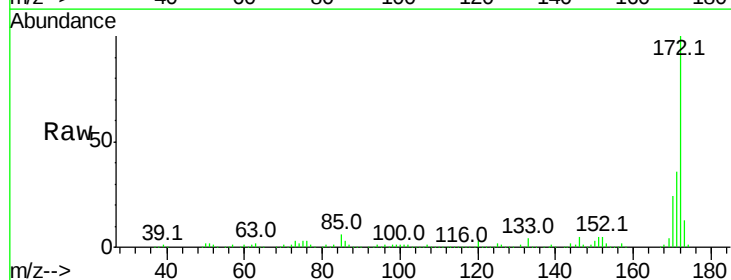


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

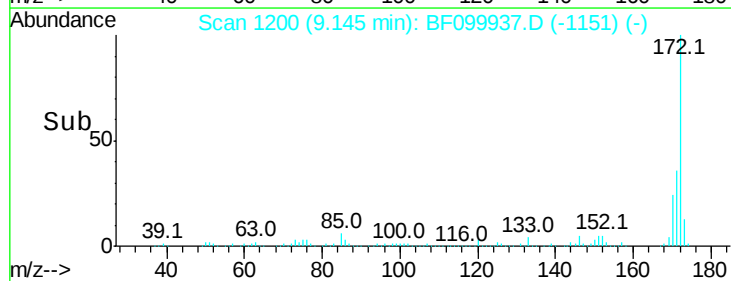
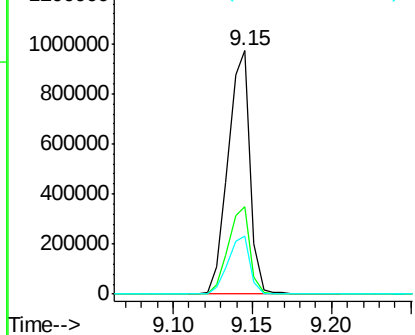


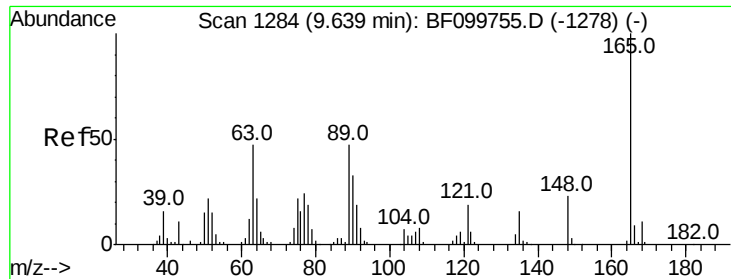
#44
 2-Fluorobiphenyl
 Concen: 78.934 ng
 RT: 9.15 min Scan# 1200
 Delta R.T. -0.01 min
 Lab File: BF099937.D
 Acq: 29 Oct 2017 2:21

Tgt Ion:172 Resp: 938384
 Ion Ratio Lower Upper
 172 100
 171 35.9 29.7 44.5
 170 24.1 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

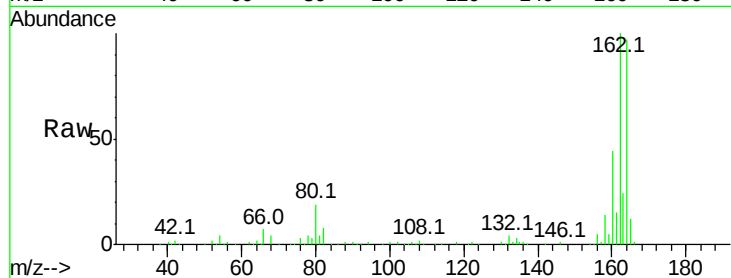




#50
 2,6-Dinitrotoluene
 Concen: 7.650 ng
 RT: 9.82 min Scan# 1315
 Delta R.T. 0.18 min
 Lab File: BF099937.D
 Acq: 29 Oct 2017 2:21

Instrument :
 BNA_F
 ClientSampleId :

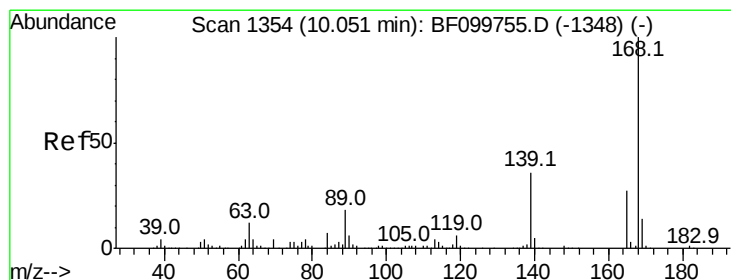
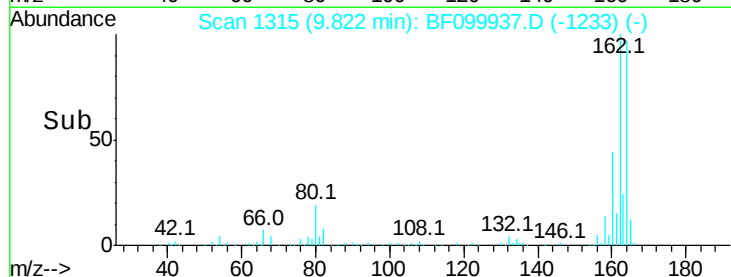
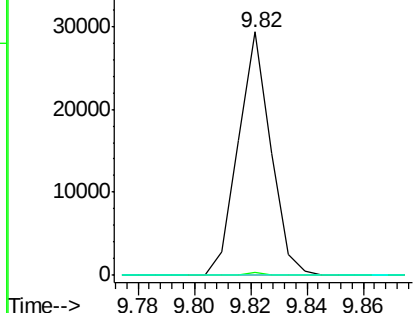
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.0	44.7	67.1#
89	0.0	44.0	66.0#



Abundance Ion 165.00 (164.70 to 165.70): E

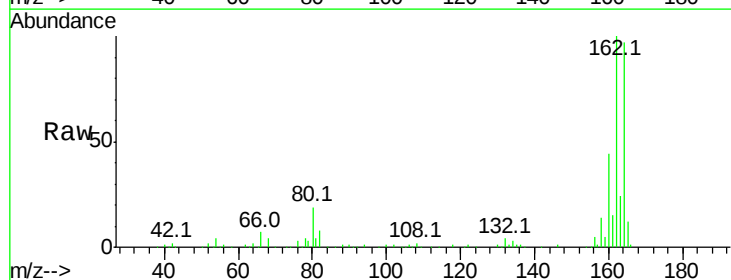
Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0



#56
 2,4-Dinitrotoluene
 Concen: 6.352 ng
 RT: 9.82 min Scan# 1315
 Delta R.T. -0.23 min
 Lab File: BF099937.D
 Acq: 29 Oct 2017 2:21

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.0	36.4	54.6#
89	0.0	57.8	86.6#
182	0.0	1.6	2.4#

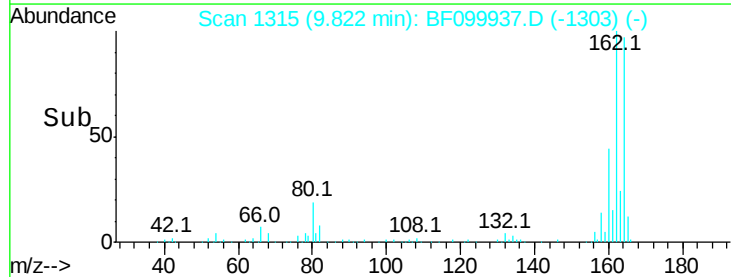
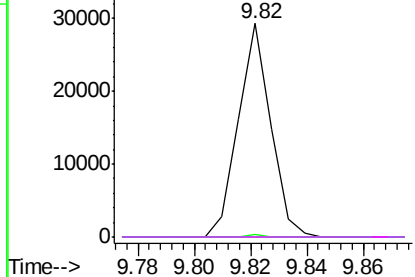


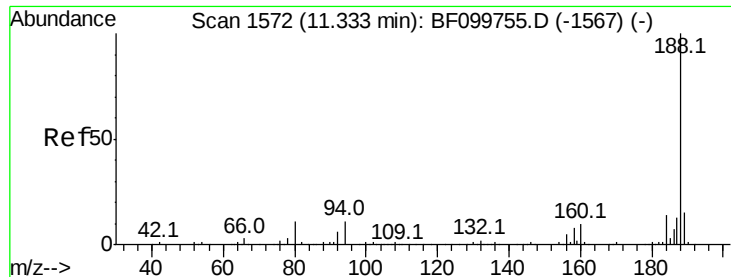
Abundance Ion 165.00 (164.70 to 165.70): E

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

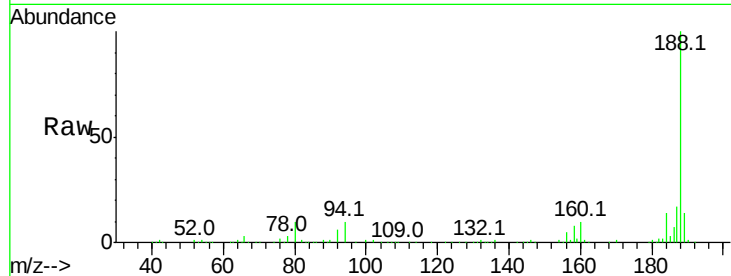




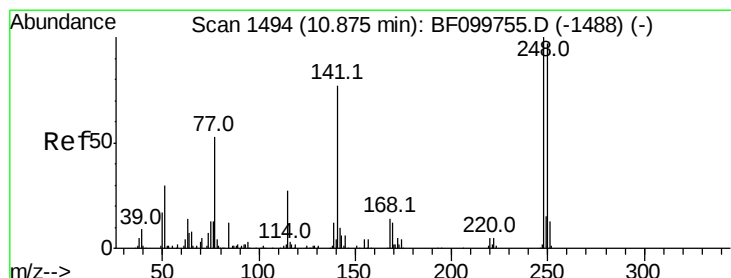
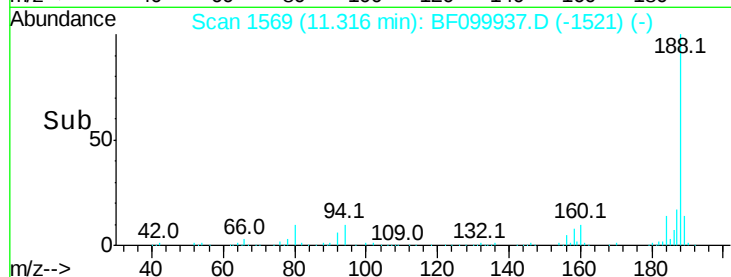
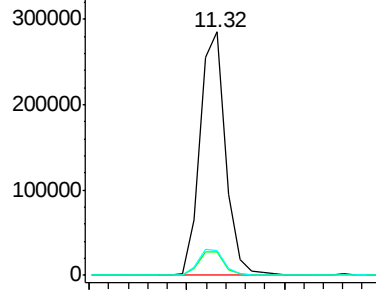
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.32 min Scan# 1569
 Delta R.T. -0.02 min
 Lab File: BF099937.D
 Acq: 29 Oct 2017 2:21

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
188	100		
94	9.5	8.5	12.7
80	10.0	9.2	13.8

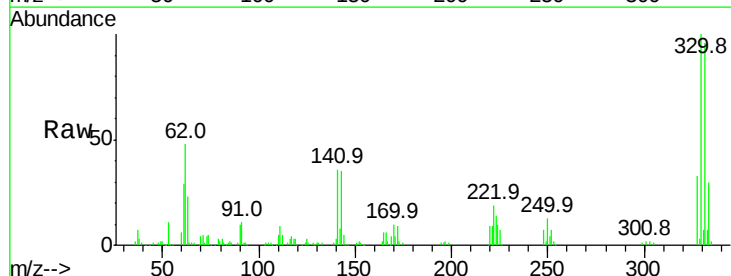


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

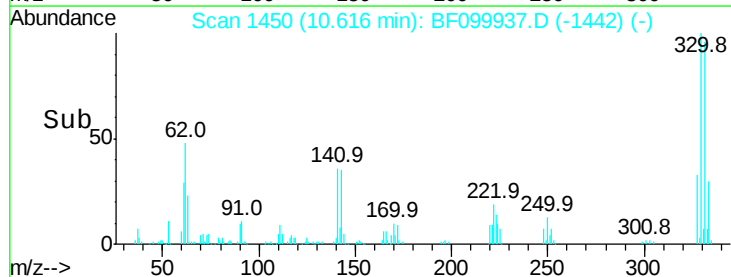
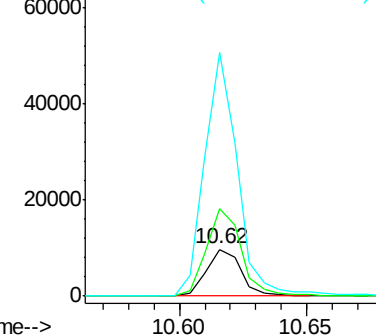


#66
 4-Bromophenyl-phenylether
 Concen: 3.325 ng
 RT: 10.62 min Scan# 1450
 Delta R.T. -0.25 min
 Lab File: BF099937.D
 Acq: 29 Oct 2017 2:21

Tgt Ion	Ratio	Lower	Upper
248	100		
250	187.7	76.9	115.3#
141	523.8	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

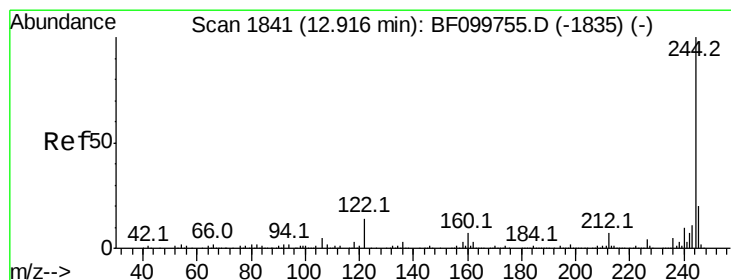
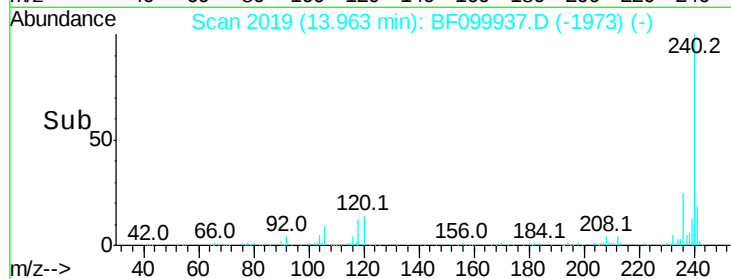
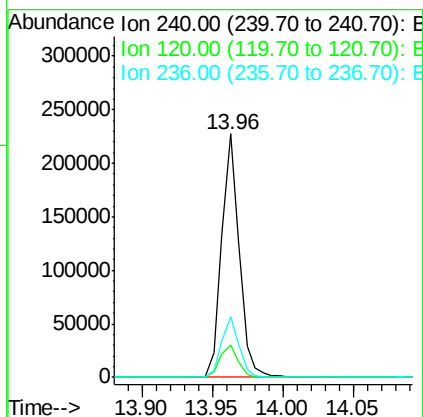
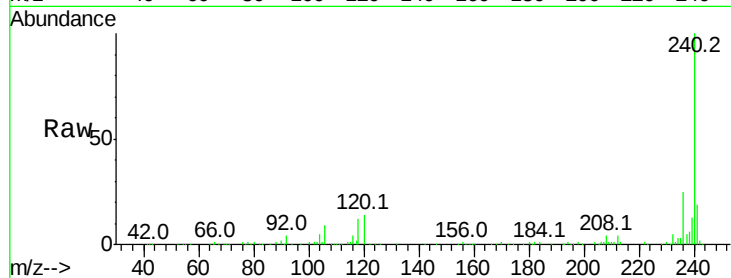




#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.96 min Scan# 2019
 Delta R.T. -0.03 min
 Lab File: BF099937.D
 Acq: 29 Oct 2017 2:21

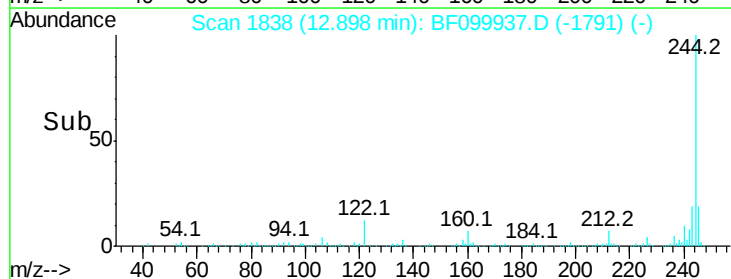
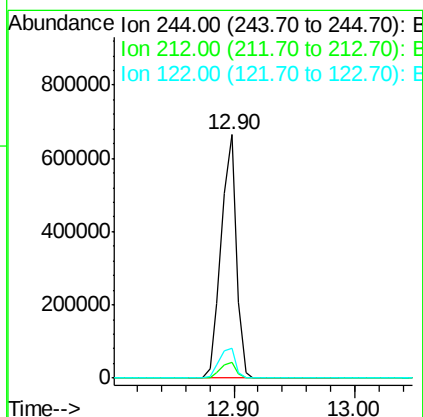
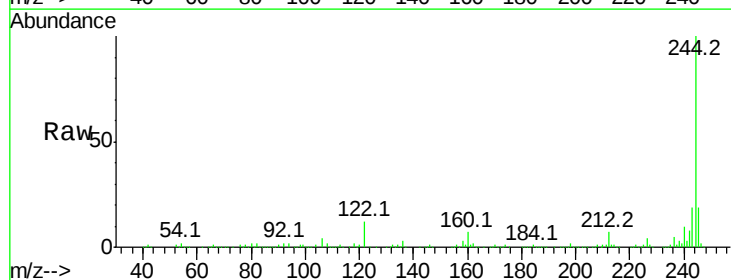
Instrument :
 BNA_F
 ClientSampleId :

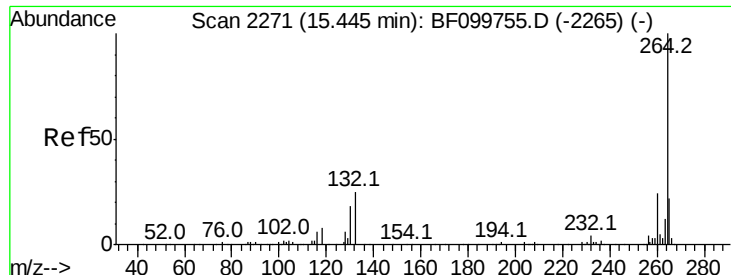
Tot Ion:240 Resp: 197315
 Ion Ratio Lower Upper
 240 100
 120 13.5 9.5 14.3
 236 25.0 20.7 31.1



#78
 Terphenyl-d14
 Concen: 63.835 ng
 RT: 12.90 min Scan# 1838
 Delta R.T. -0.02 min
 Lab File: BF099937.D
 Acq: 29 Oct 2017 2:21

Tgt Ion:244 Resp: 576362
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.4 8.0
 122 12.4 11.0 16.4

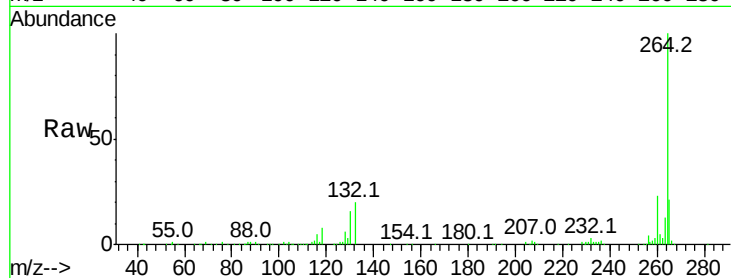




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.43 min Scan# 2268
Delta R.T. -0.03 min
Lab File: BF099937.D
Acq: 29 Oct 2017 2:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.8	19.2	28.8
265	21.1	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

