

Data Path : Z:\HPCHEM1\BNA F\DATA\BF103017\
 Data File : BF099954.D
 Acq On : 30 Oct 2017 13:00
 Operator : SJ/JU
 Sample : I6083-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 30 16:11:43 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 30 16:10:28 2017
 Response via : Initial Calibration

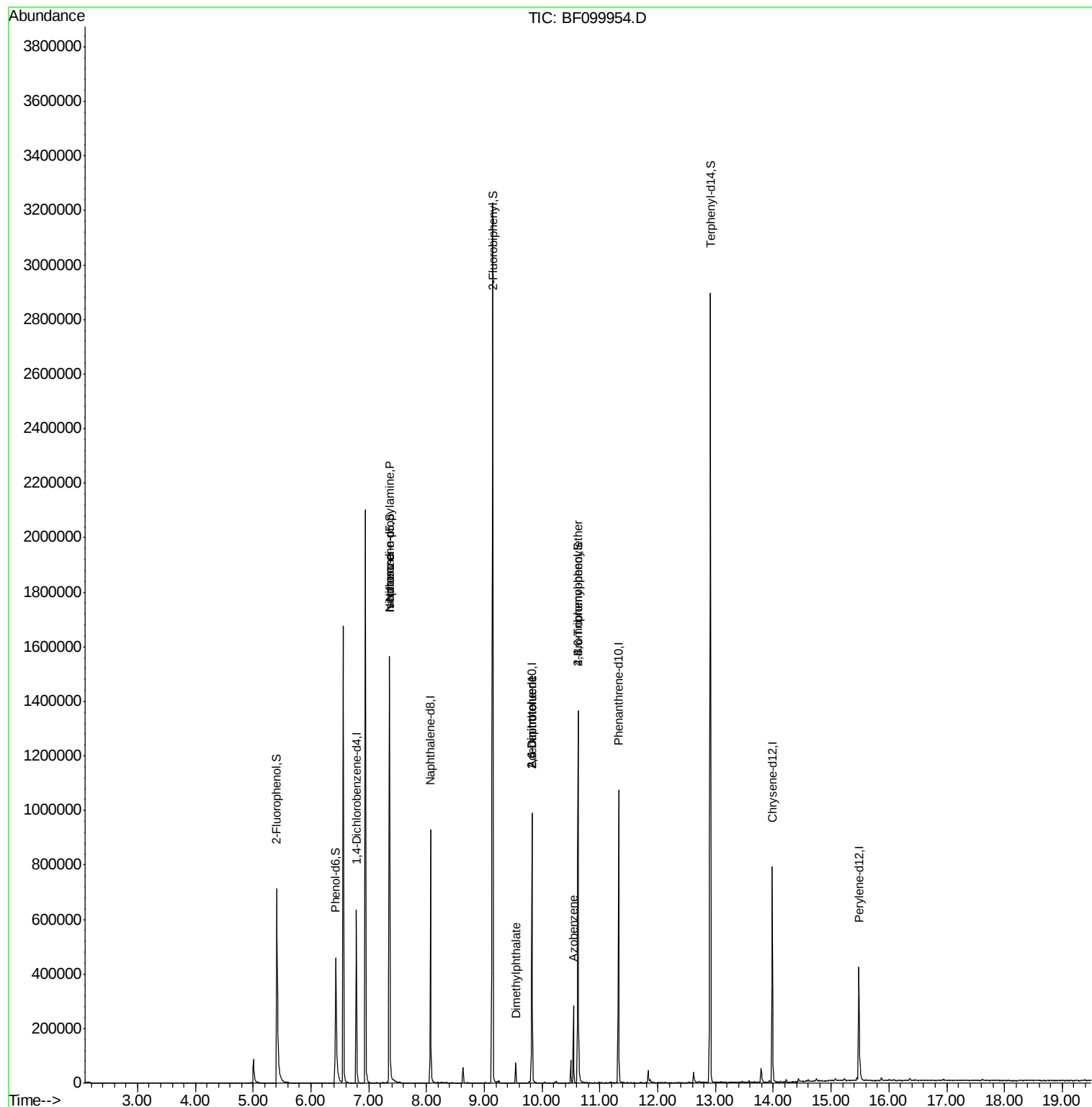
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	106090	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	441392	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	215861	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	404987	20.00	ng	0.00
75) Chrysene-d12	13.98	240	297736	20.00	ng	0.00
86) Perylene-d12	15.48	264	206273	20.00	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	311961	46.17	ng	0.00
7) Phenol-d6	6.43	99	249710	31.17	ng	0.00
23) Nitrobenzene-d5	7.36	82	604779	88.21	ng	0.00
41) 2,4,6-Tribromophenol	10.62	330	185392	94.24	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	1211203	86.57	ng	0.00
78) Terphenyl-d14	12.92	244	1180421	86.64	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.36	70	74784	15.927	ng	# 72
25) Isophorone	7.36	82	604835	48.617	ng	# 64
49) Dimethylphthalate	9.55	163	37276	2.181	ng	# 98
50) 2,6-Dinitrotoluene	9.82	165	27692	7.706	ng	# 25
56) 2,4-Dinitrotoluene	9.82	165	27692	6.399	ng	# 23
62) Azobenzene	10.54	77	46115	3.295	ng	# 1
66) 4-Bromophenyl-phenylether	10.62	248	12099	2.838	ng	# 1

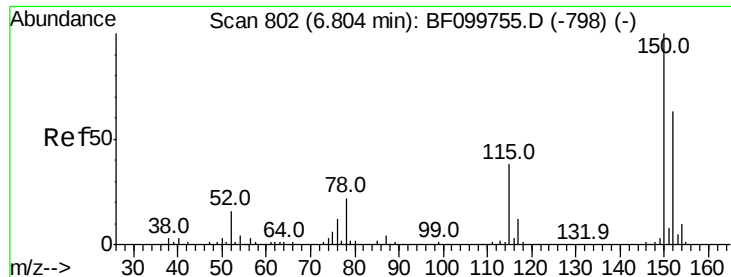
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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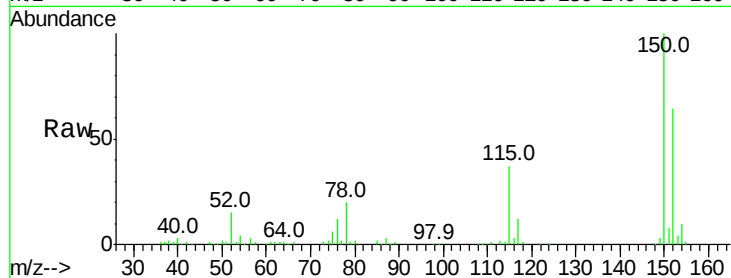


#1

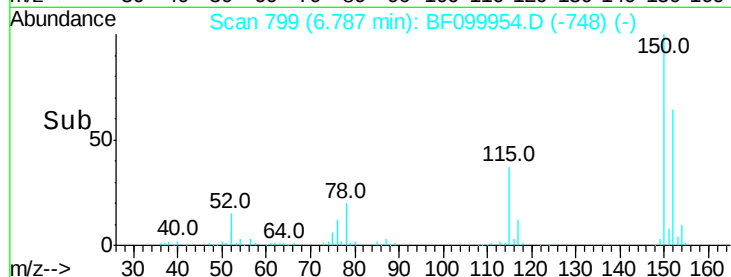
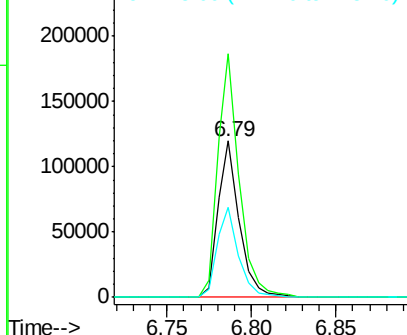
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 799
Delta R.T. 0.00 min
Lab File: BF099954.D
Acq: 30 Oct 2017 13:00

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 106090
Ion Ratio Lower Upper
152 100
150 156.0 124.6 186.8
115 57.4 50.1 75.1



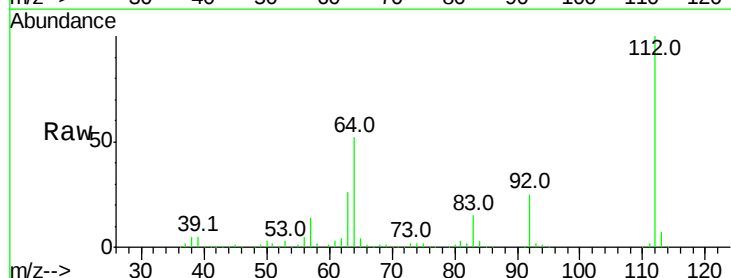
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



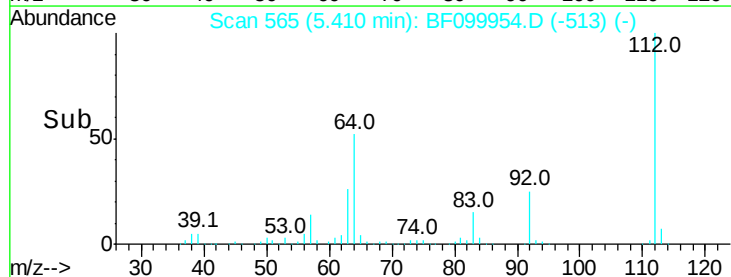
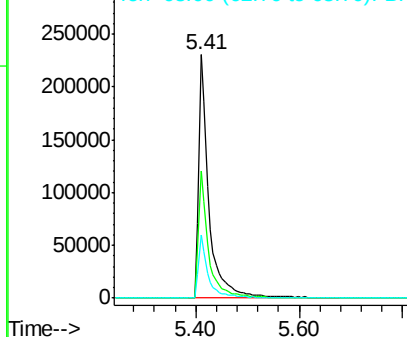
#5

2-Fluorophenol
Concen: 46.165 ng
RT: 5.41 min Scan# 565
Delta R.T. 0.01 min
Lab File: BF099954.D
Acq: 30 Oct 2017 13:00

Tgt Ion:112 Resp: 311961
Ion Ratio Lower Upper
112 100
64 52.2 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: 31.165 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.01 min

Lab File: BF099954.D

Acq: 30 Oct 2017 13:00

Instrument :

BNA_F

ClientSampled :

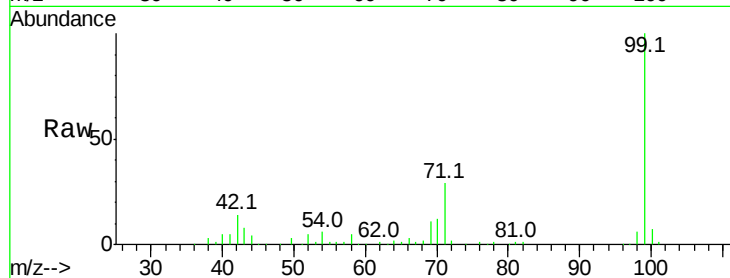
Tot Ion: 99 Resp: 249710

Ion Ratio Lower Upper

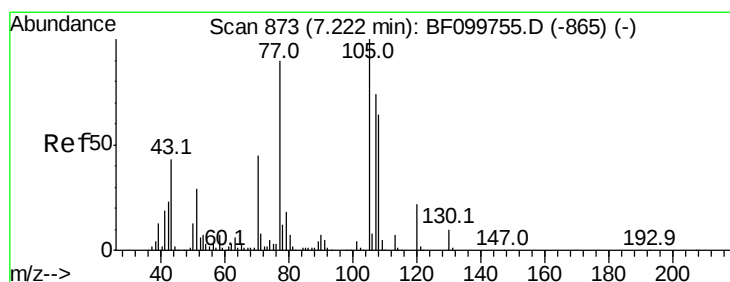
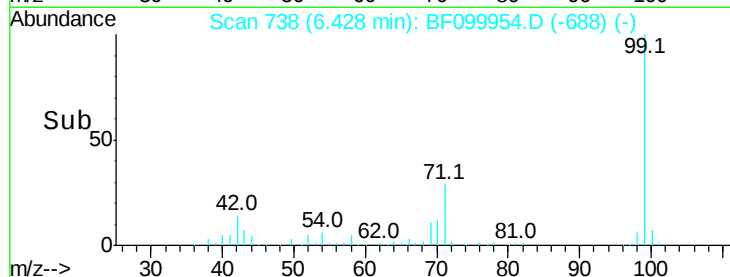
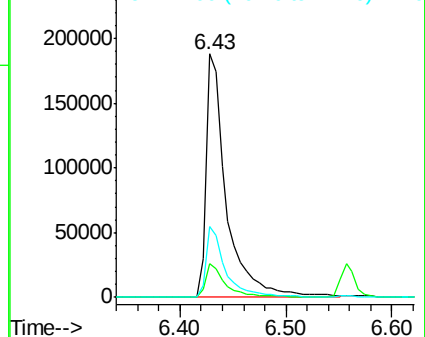
99 100

42 14.0 14.5 21.7#

71 29.1 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: 15.927 ng

RT: 7.36 min Scan# 897

Delta R.T. 0.16 min

Lab File: BF099954.D

Acq: 30 Oct 2017 13:00

Tgt Ion: 70 Resp: 74784

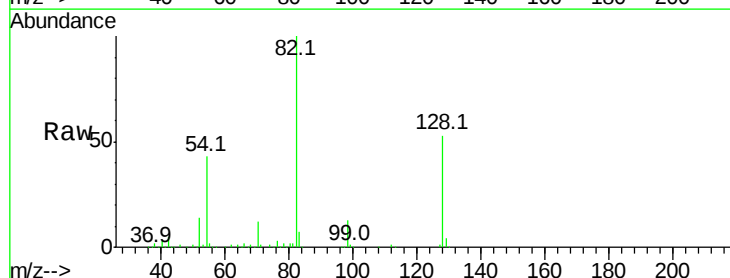
Ion Ratio Lower Upper

70 100

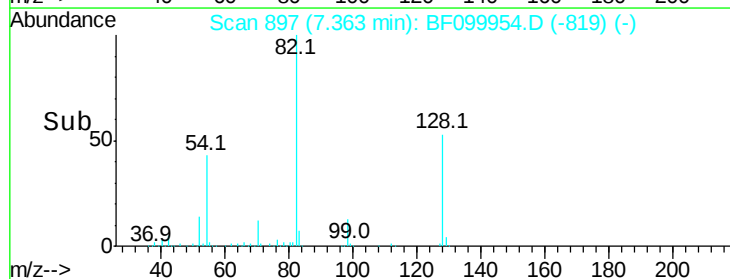
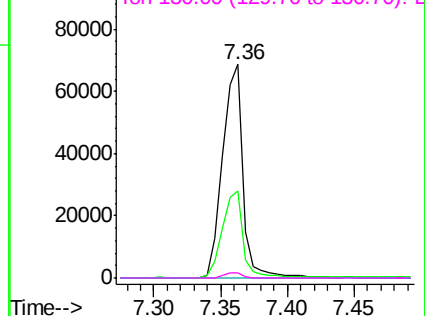
42 41.0 47.5 71.3#

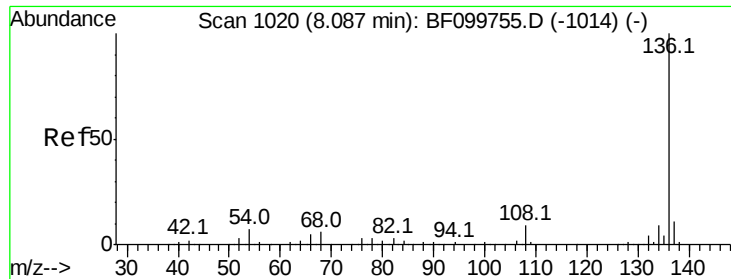
101 0.0 7.4 11.2#

130 2.7 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

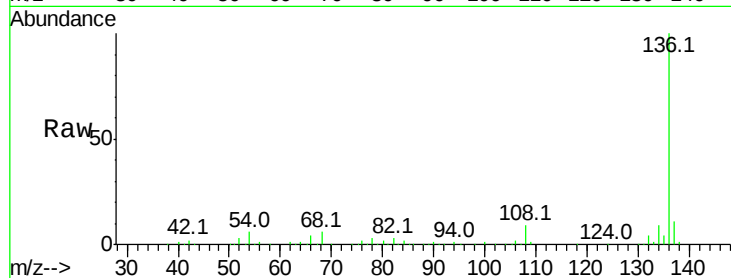




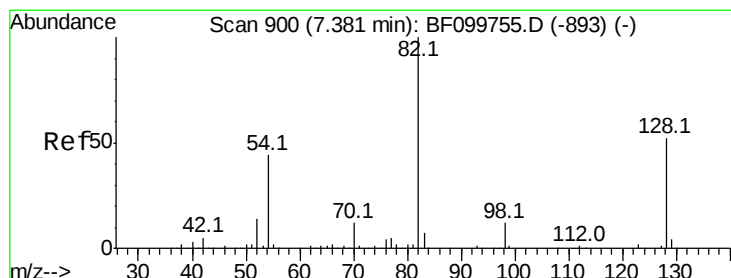
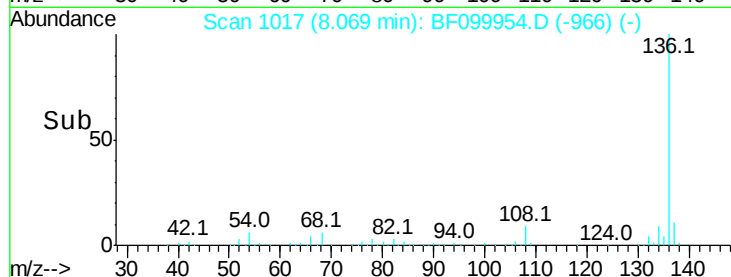
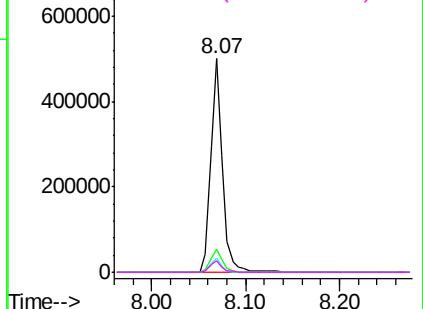
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1017
Delta R.T. 0.00 min
Lab File: BF099954.D
Acq: 30 Oct 2017 13:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	441392
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.9	13.3
54	6.3	6.6	9.8#
68	5.7	5.0	7.4

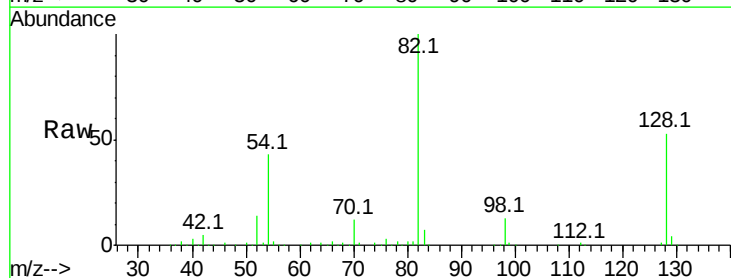


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

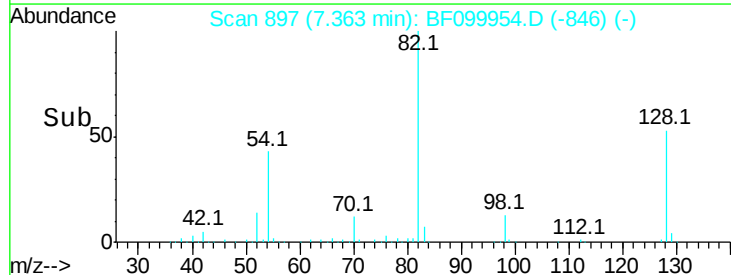
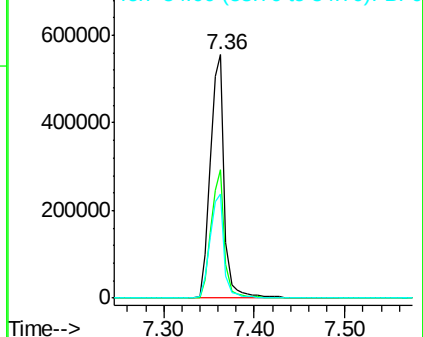


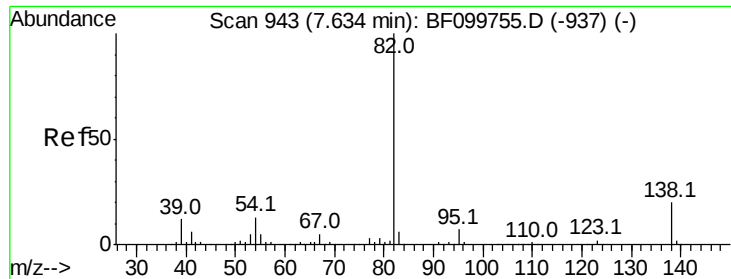
#23
Nitrobenzene-d5
Concen: 88.212 ng
RT: 7.36 min Scan# 897
Delta R.T. 0.00 min
Lab File: BF099954.D
Acq: 30 Oct 2017 13:00

Tgt Ion:	82	Resp:	604779
Ion	Ratio	Lower	Upper
82	100		
128	52.9	36.1	54.1
54	42.7	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: 48.617 ng

RT: 7.36 min Scan# 897

Delta R.T. -0.25 min

Lab File: BF099954.D

Acq: 30 Oct 2017 13:00

Instrument :

BNA_F

ClientSampled :

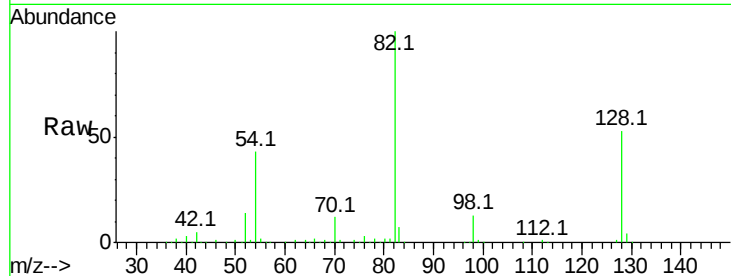
Tot Ion: 82 Resp: 604835

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

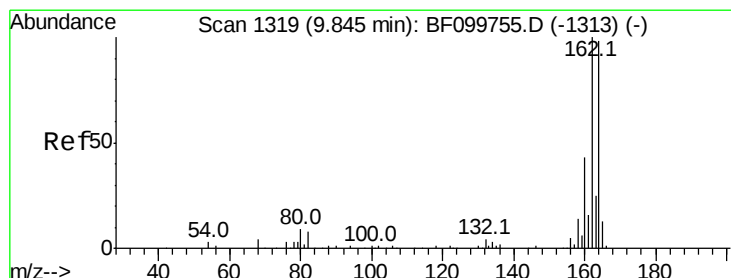
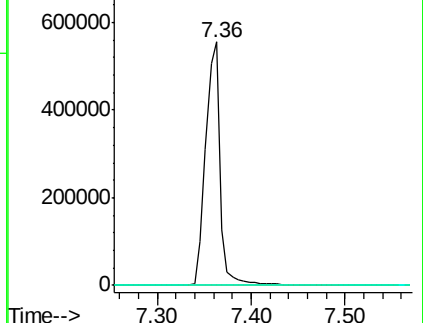
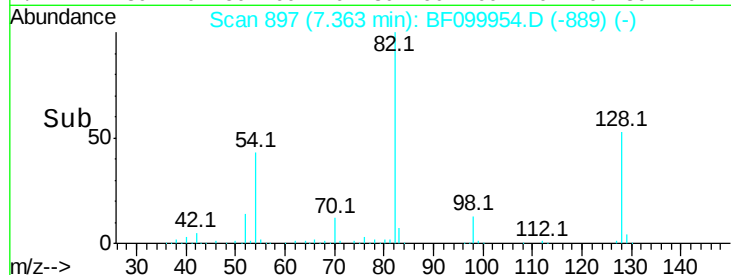
138 0.0 14.9 22.3#



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. -0.01 min

Lab File: BF099954.D

Acq: 30 Oct 2017 13:00

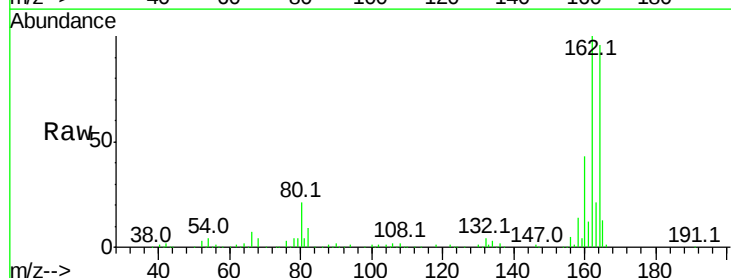
Tgt Ion:164 Resp: 215861

Ion Ratio Lower Upper

164 100

162 103.8 86.1 129.1

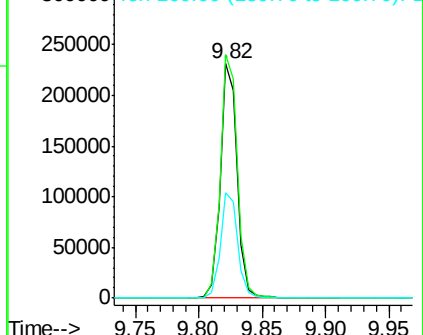
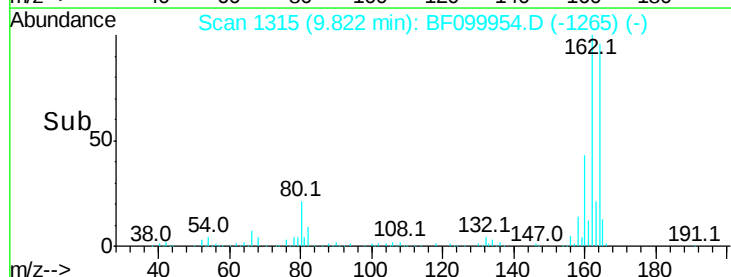
160 45.1 38.3 57.5



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

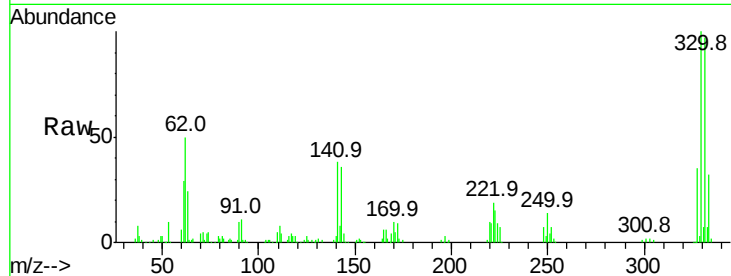




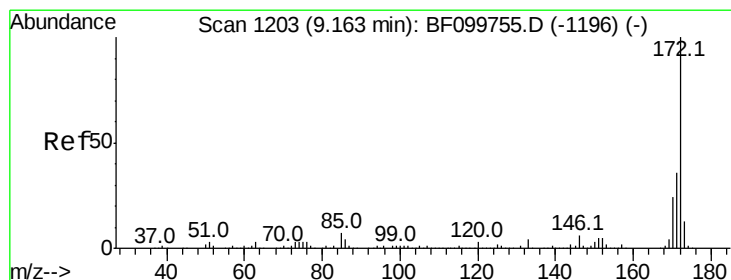
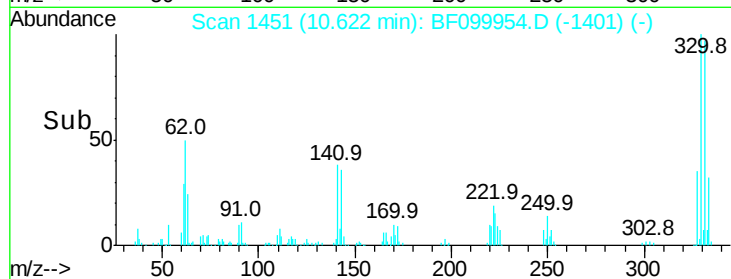
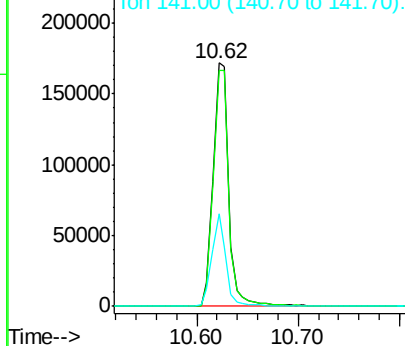
#41
 2,4,6-Tribromophenol
 Concen: 94.243 ng
 RT: 10.62 min Scan# 1451
 Delta R.T. -0.01 min
 Lab File: BF099954.D
 Acq: 30 Oct 2017 13:00

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 185392
 Ion Ratio Lower Upper
 330 100
 332 97.3 77.0 115.6
 141 34.1 29.9 44.9

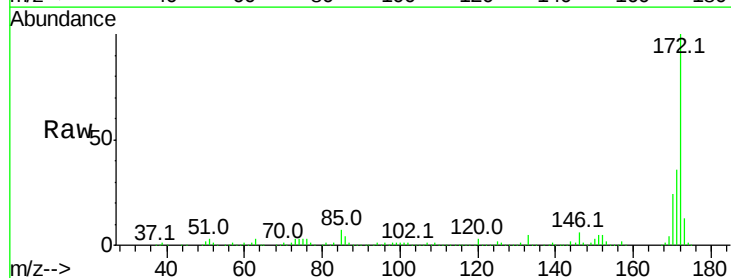


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

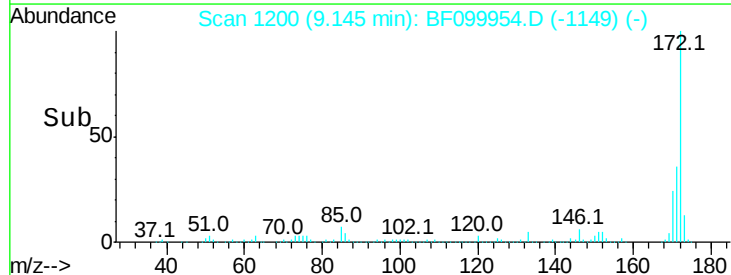
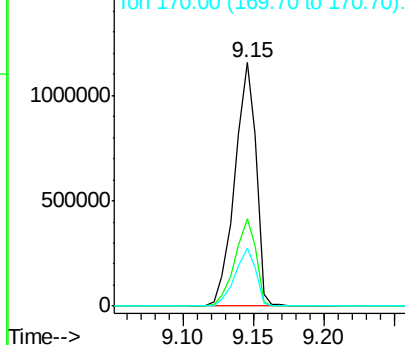


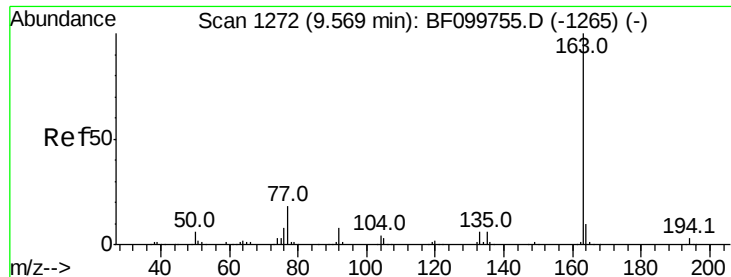
#44
 2-Fluorobiphenyl
 Concen: 86.569 ng
 RT: 9.15 min Scan# 1200
 Delta R.T. 0.00 min
 Lab File: BF099954.D
 Acq: 30 Oct 2017 13:00

Tgt Ion:172 Resp: 1211203
 Ion Ratio Lower Upper
 172 100
 171 36.0 29.7 44.5
 170 23.6 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

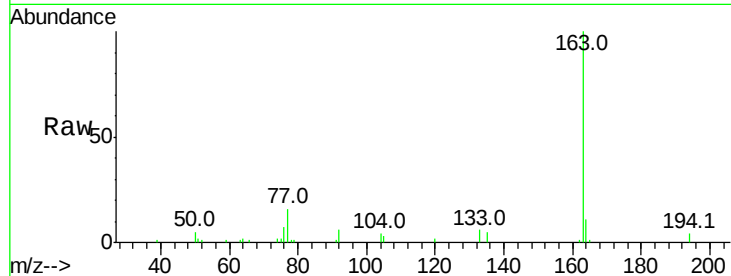




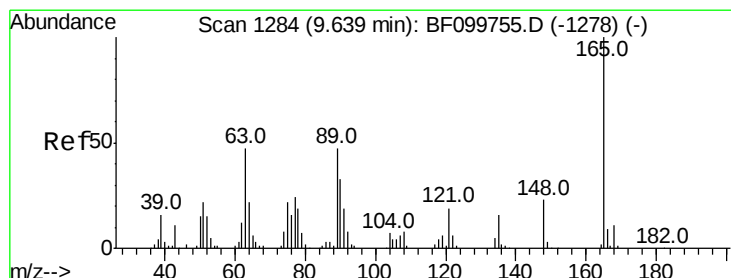
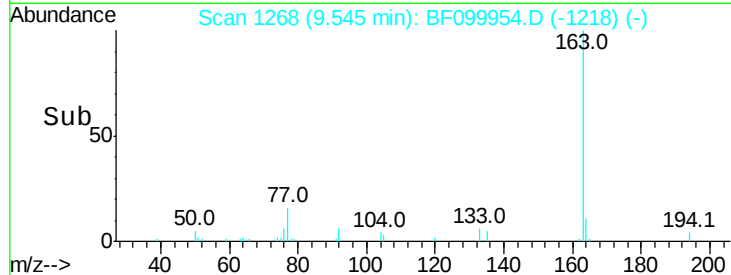
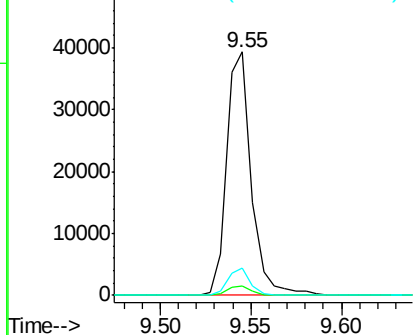
#49
Dimethylphthalate
Concen: 2.181 ng
RT: 9.55 min Scan# 1268
Delta R.T. -0.01 min
Lab File: BF099954.D
Acq: 30 Oct 2017 13:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 37276
Ion Ratio Lower Upper
163 100
194 3.9 2.7 4.1
164 11.0 8.2 12.2

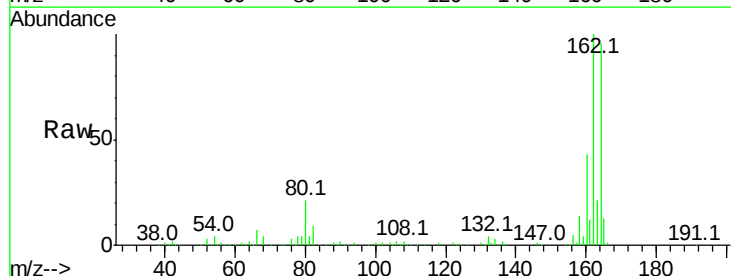


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

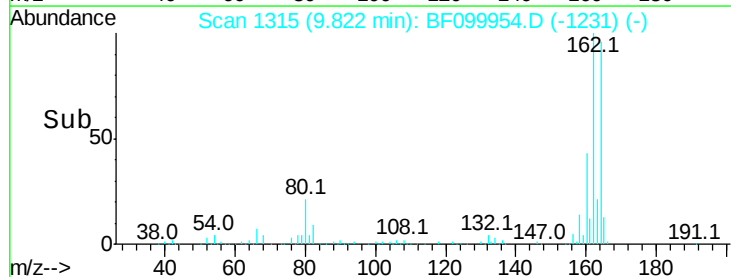
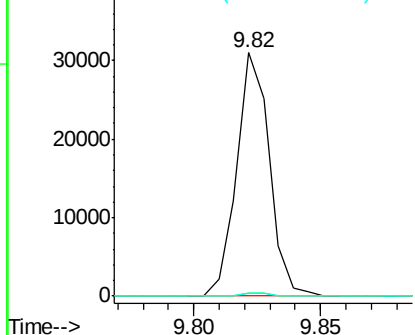


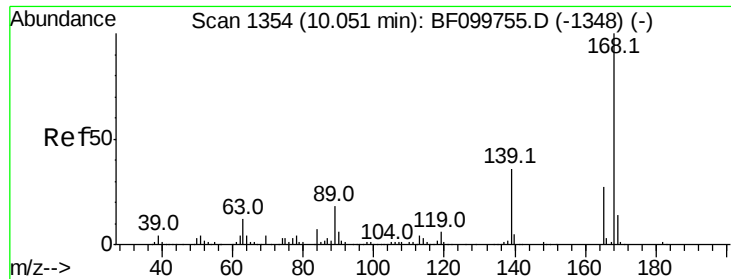
#50
2,6-Dinitrotoluene
Concen: 7.706 ng
RT: 9.82 min Scan# 1315
Delta R.T. 0.19 min
Lab File: BF099954.D
Acq: 30 Oct 2017 13:00

Tgt Ion:165 Resp: 27692
Ion Ratio Lower Upper
165 100
63 1.2 44.7 67.1#
89 1.4 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

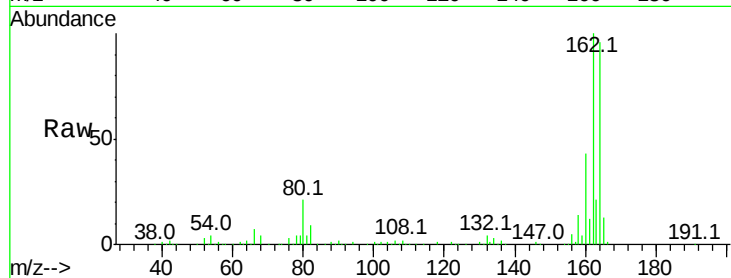




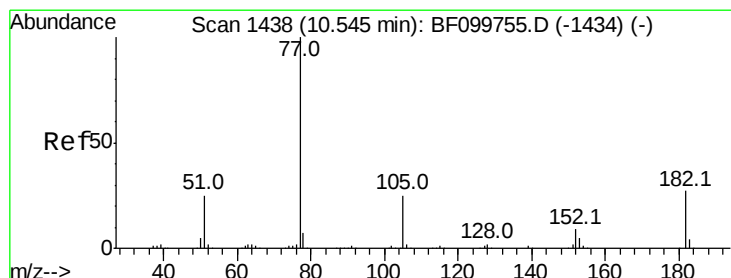
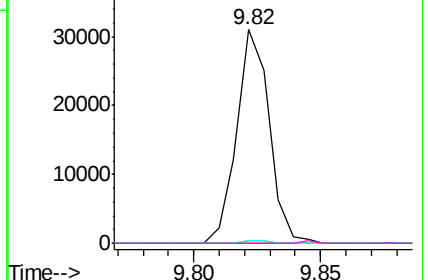
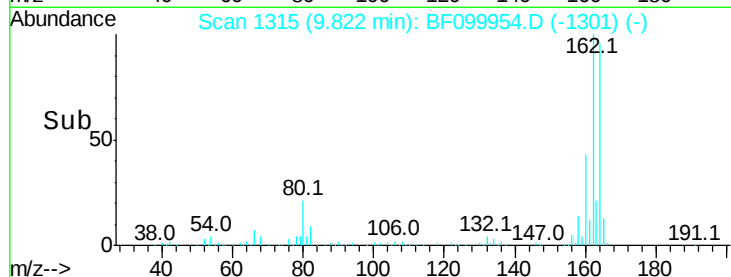
#56
2,4-Dinitrotoluene
Concen: 6.399 ng
RT: 9.82 min Scan# 1315
Delta R.T. -0.22 min
Lab File: BF099954.D
Acq: 30 Oct 2017 13:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion:165 Resp: 27692
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#

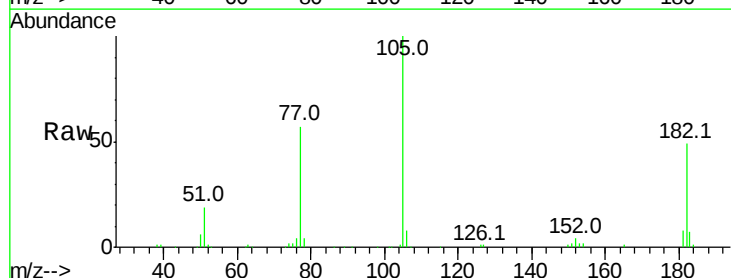


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0
Ion 182.00 (181.70 to 182.70): E

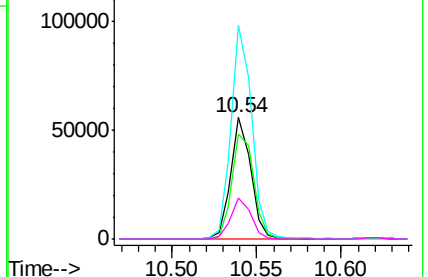
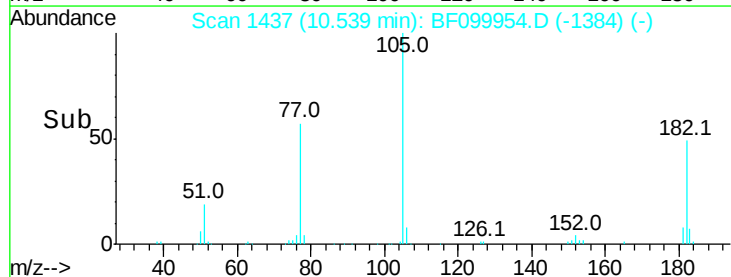


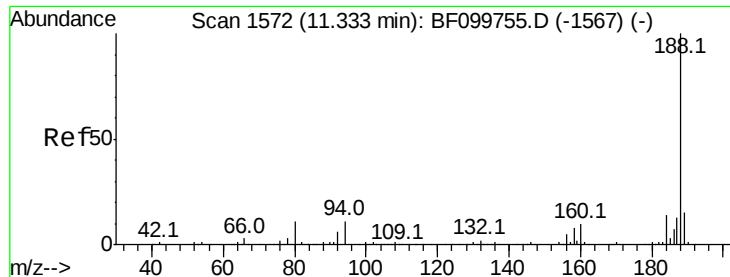
#62
Azobenzene
Concen: 3.295 ng
RT: 10.54 min Scan# 1437
Delta R.T. 0.01 min
Lab File: BF099954.D
Acq: 30 Oct 2017 13:00

Tgt Ion: 77 Resp: 46115
Ion Ratio Lower Upper
77 100
182 87.1 1.7 41.7#
105 176.2 3.0 43.0#
51 34.2 9.9 49.9



Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 182.00 (181.70 to 182.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 51.00 (50.70 to 51.70): BF0





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.32 min Scan# 1570

Delta R.T. 0.00 min

Lab File: BF099954.D

Acq: 30 Oct 2017 13:00

Instrument :

BNA_F

ClientSampled :

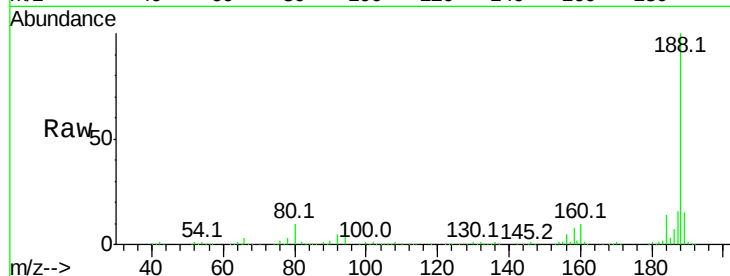
Tot Ion:188 Resp: 404987

Ion Ratio Lower Upper

188 100

94 9.5 8.5 12.7

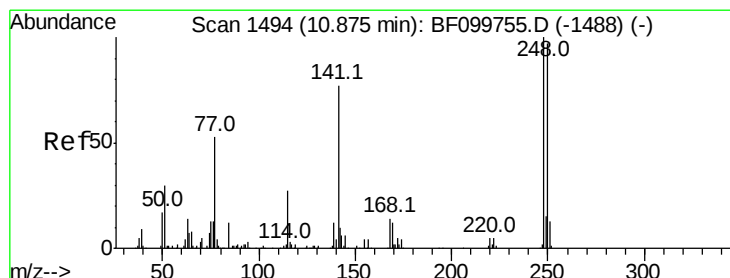
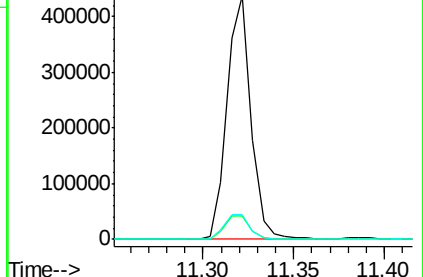
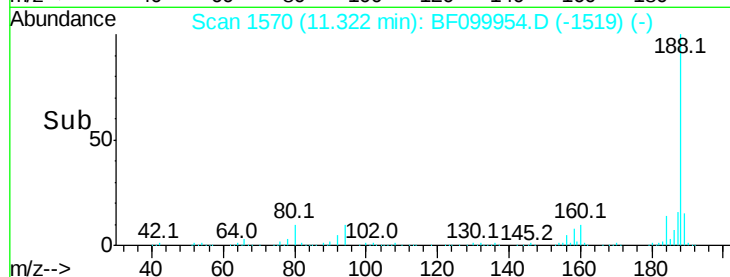
80 10.1 9.2 13.8



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: 2.838 ng

RT: 10.62 min Scan# 1451

Delta R.T. -0.24 min

Lab File: BF099954.D

Acq: 30 Oct 2017 13:00

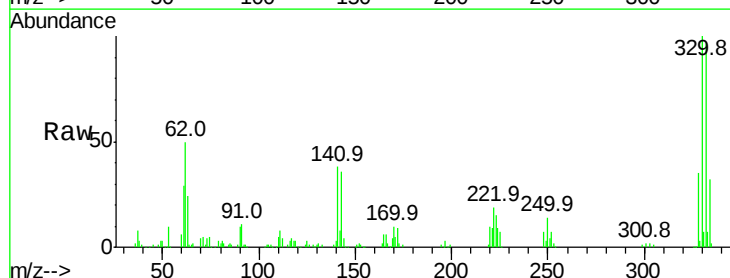
Tgt Ion:248 Resp: 12099

Ion Ratio Lower Upper

248 100

250 203.4 76.9 115.3#

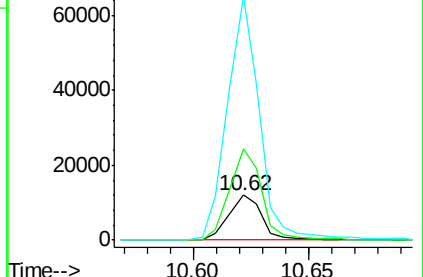
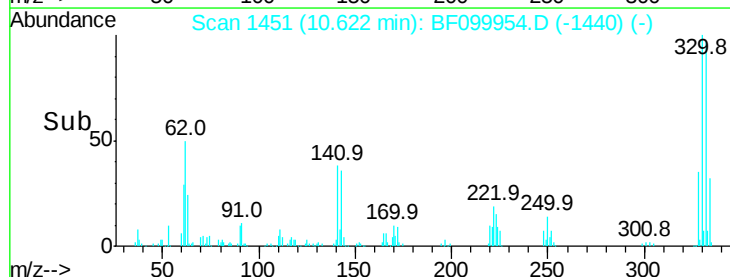
141 542.4 74.4 111.6#



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

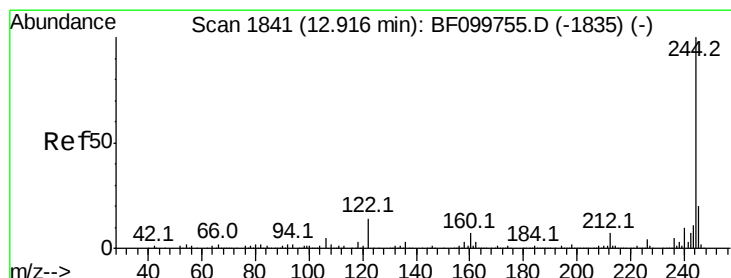
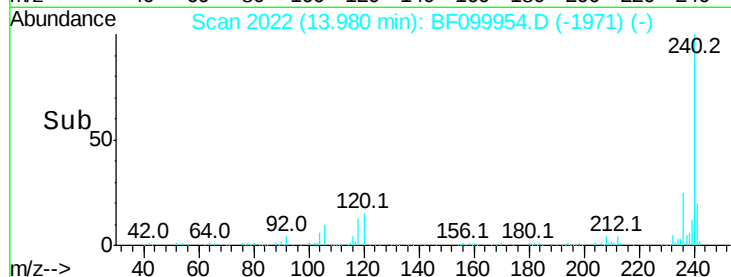
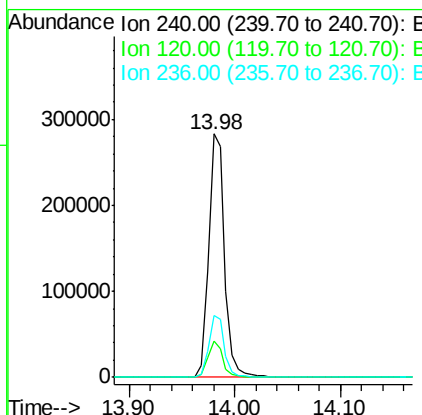
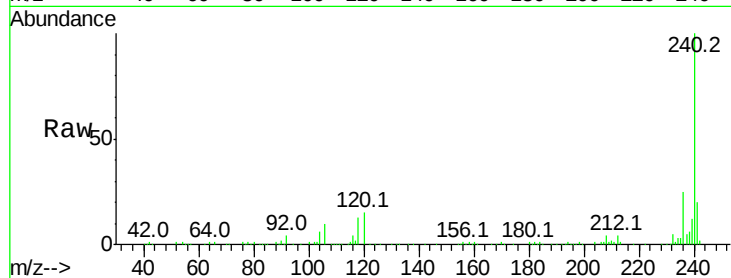




#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.98 min Scan# 2022
 Delta R.T. 0.00 min
 Lab File: BF099954.D
 Acq: 30 Oct 2017 13:00

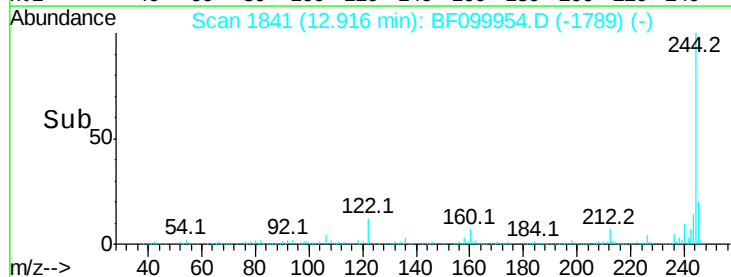
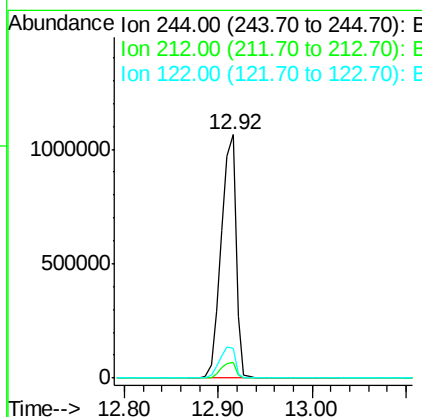
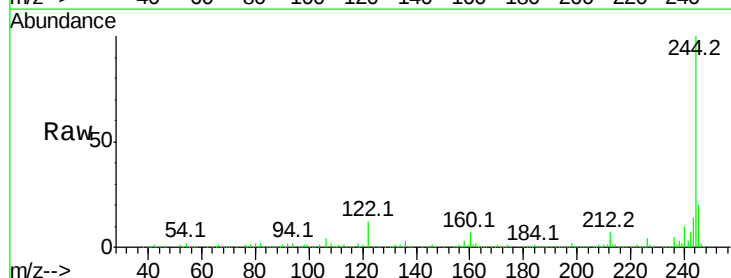
Instrument :
 BNA_F
 ClientSampleId :

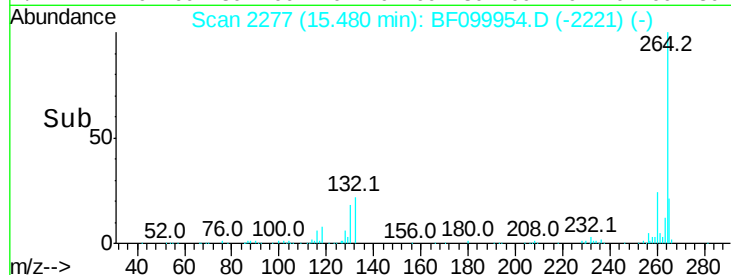
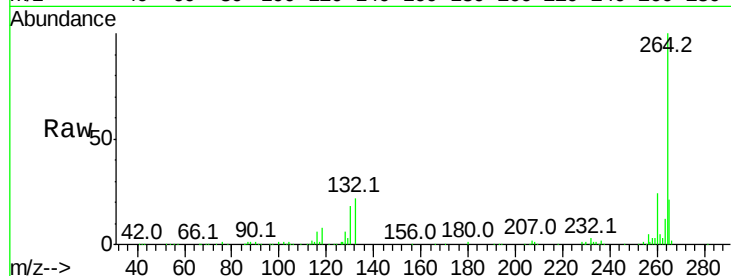
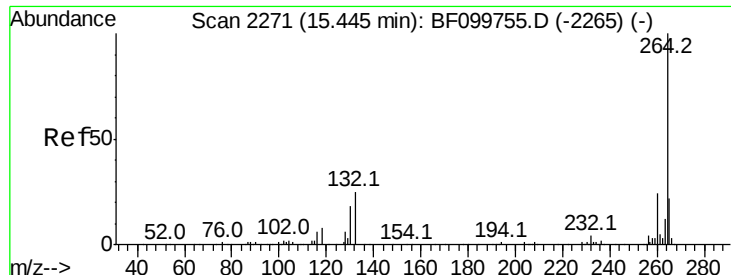
Tot Ion:240 Resp: 297736
 Ion Ratio Lower Upper
 240 100
 120 14.9 9.5 14.3#
 236 25.2 20.7 31.1



#78
 Terphenyl-d14
 Concen: 86.642 ng
 RT: 12.92 min Scan# 1841
 Delta R.T. 0.01 min
 Lab File: BF099954.D
 Acq: 30 Oct 2017 13:00

Tgt Ion:244 Resp: 1180421
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.4 8.0
 122 12.5 11.0 16.4





#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.48 min Scan# 2277
 Delta R.T. 0.03 min
 Lab File: BF099954.D
 Acq: 30 Oct 2017 13:00

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:	264	Resp:	206273
Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	21.5	17.5	26.3

