

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102717\
 Data File : BF099905.D
 Acq On : 28 Oct 2017 5:10
 Operator : SJ/JU
 Sample : I6029-17
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 28 05:50:49 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

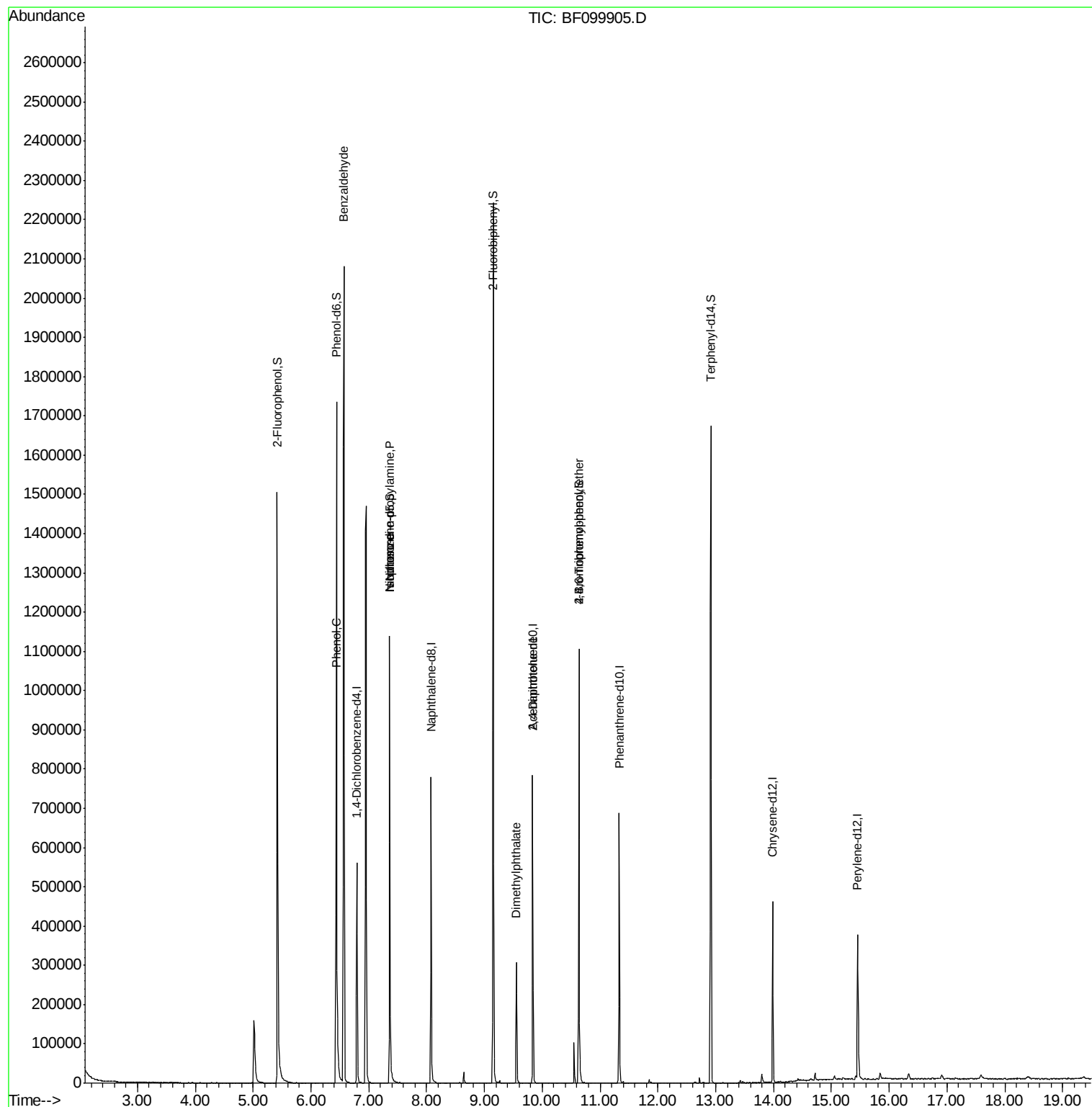
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	92114	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	377446	20.00	ng	0.00
38) Acenaphthene-d10	9.83	164	170591	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	272149	20.00	ng	0.00
75) Chrysene-d12	13.99	240	169590	20.00	ng	0.00
86) Perylene-d12	15.46	264	175027	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	595464	101.49	ng	0.00
7) Phenol-d6	6.44	99	709237	101.95	ng	0.00
23) Nitrobenzene-d5	7.36	82	398879	68.04	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	139619	89.81	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	788407	71.30	ng	0.00
78) Terphenyl-d14	12.92	244	525351	67.70	ng	0.00
Target Compounds						
9) Benzaldehyde	6.57	77	10191	2.45	ng	Qvalue 93
10) Phenol	6.45	94	37321	4.89	ng	98
19) n-Nitroso-di-n-propylamine	7.36	70	48559	11.91	ng	# 74
25) Isophorone	7.36	82	398879	37.49	ng	# 64
49) Dimethylphthalate	9.55	163	136783	10.13	ng	99
56) 2,4-Dinitrotoluene	9.83	165	20901	6.11	ng	# 21
66) 4-Bromophenyl-phenylether	10.63	248	8902	3.11	ng	# 1

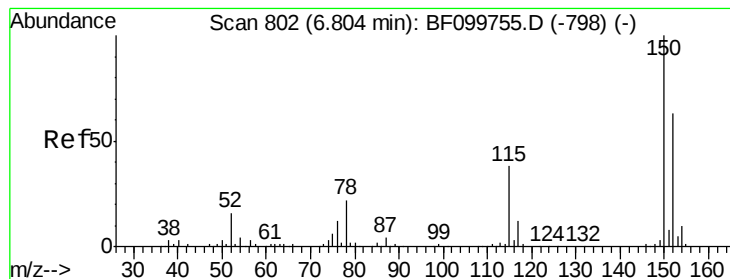
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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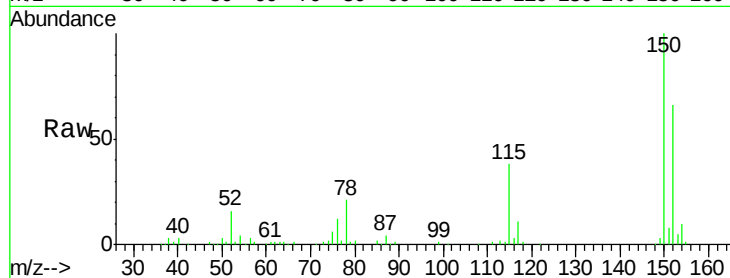




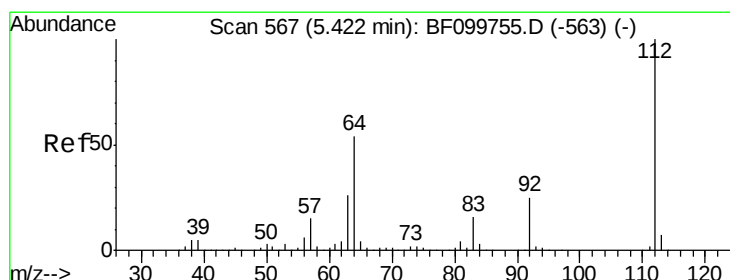
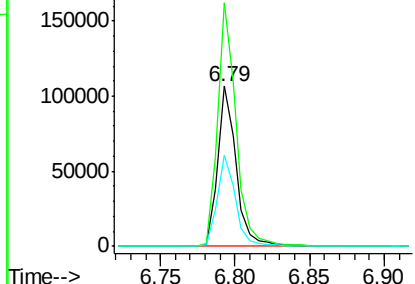
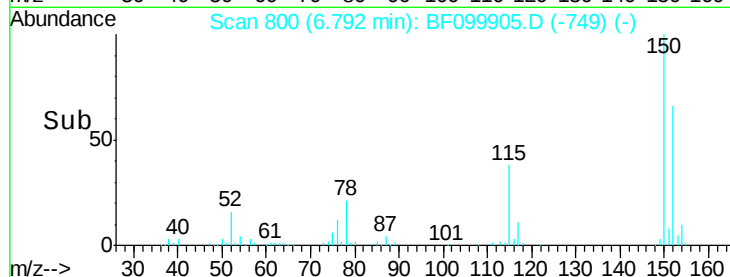
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.79 min Scan# 800
 Delta R.T. 0.00 min
 Lab File: BF099905.D
 Acq: 28 Oct 2017 5:10

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 92114
 Ion Ratio Lower Upper
 152 100
 150 152.3 124.6 186.8
 115 57.4 50.1 75.1

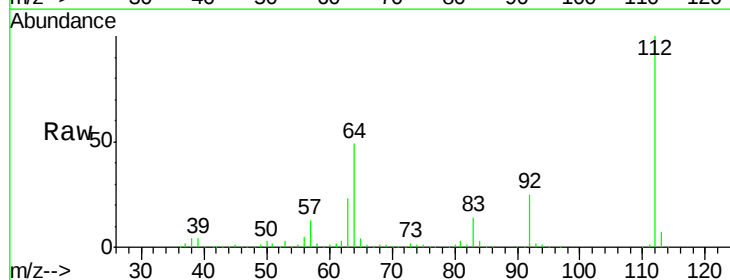


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

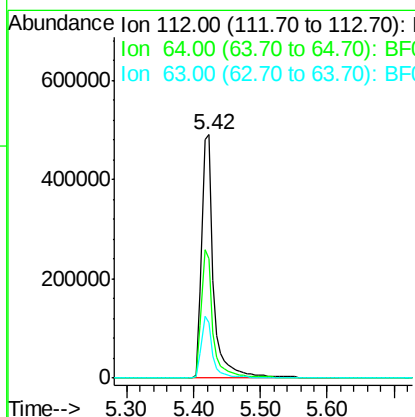
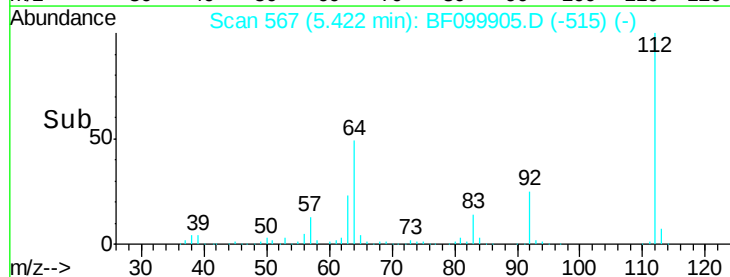


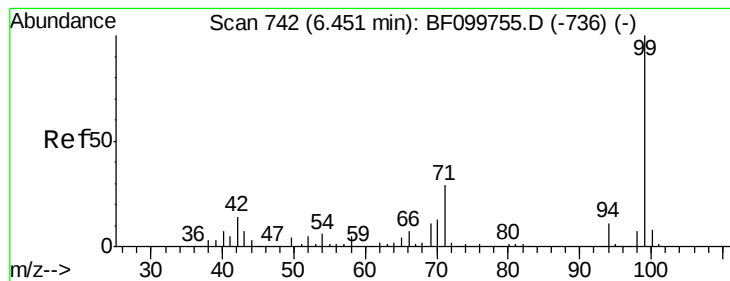
#5
 2-Fluorophenol
 Concen: 101.49 ng
 RT: 5.42 min Scan# 567
 Delta R.T. 0.01 min
 Lab File: BF099905.D
 Acq: 28 Oct 2017 5:10

Tgt Ion:112 Resp: 595464
 Ion Ratio Lower Upper
 112 100
 64 49.2 47.9 71.9
 63 23.0 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: 101.95 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.00 min

Lab File: BF099905.D

Acq: 28 Oct 2017 5:10

Instrument :

BNA_F

ClientSampleId :

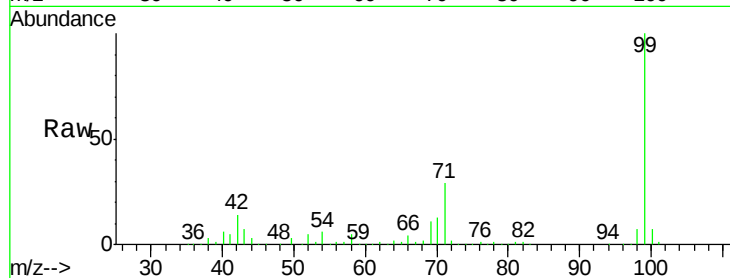
Tot Ion: 99 Resp: 709237

Ion Ratio Lower Upper

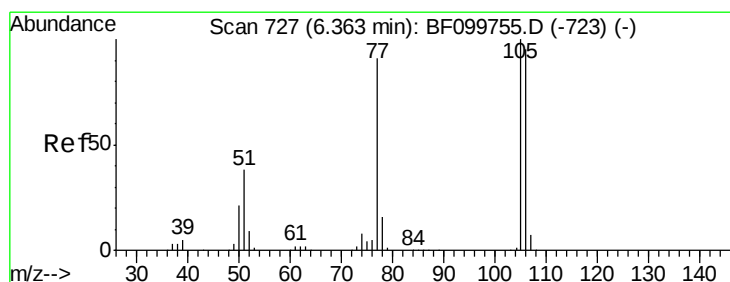
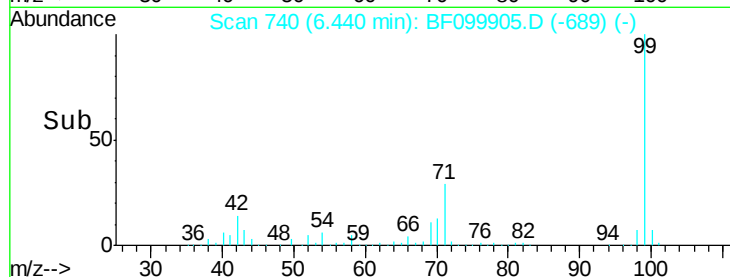
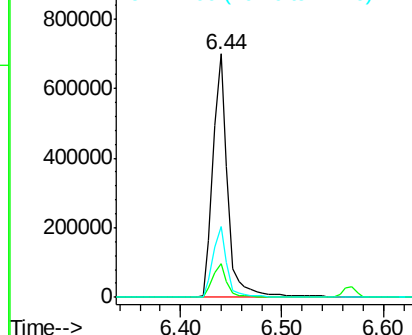
99 100

42 13.7 14.5 21.7#

71 29.3 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: 2.45 ng

RT: 6.57 min Scan# 762

Delta R.T. 0.21 min

Lab File: BF099905.D

Acq: 28 Oct 2017 5:10

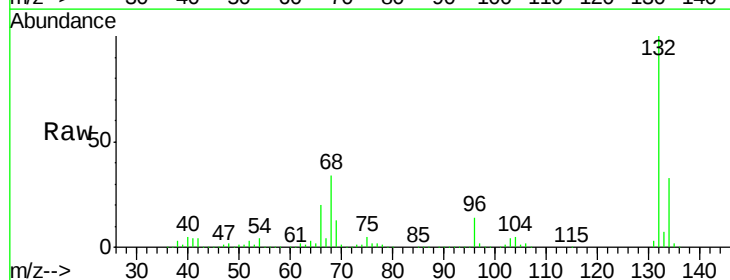
Tgt Ion: 77 Resp: 10191

Ion Ratio Lower Upper

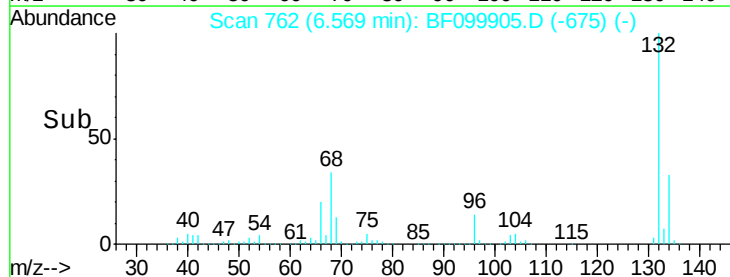
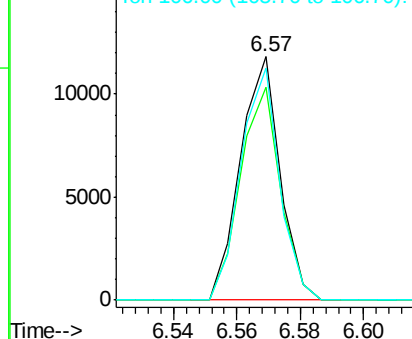
77 100

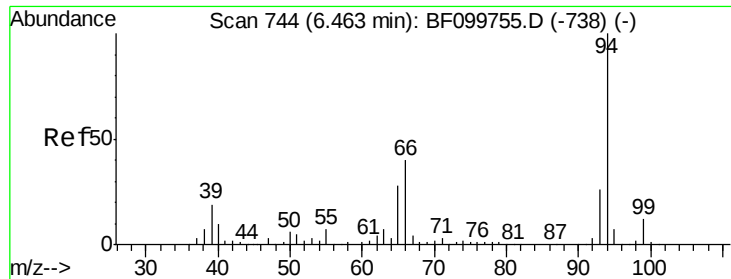
105 87.6 81.1 121.1

106 95.6 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





#10

Phenol

Concen: 4.89 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF099905.D

Acq: 28 Oct 2017 5:10

Instrument :

BNA_F

ClientSampleId :

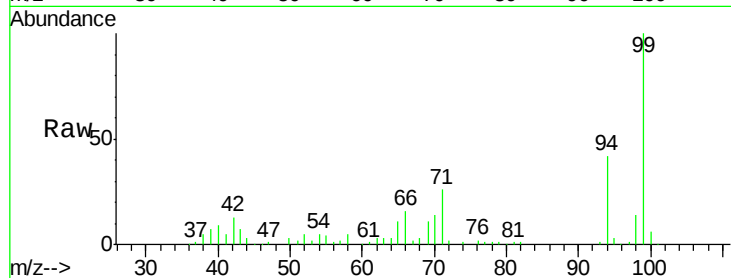
Tot Ion: 94 Resp: 37321

Ion Ratio Lower Upper

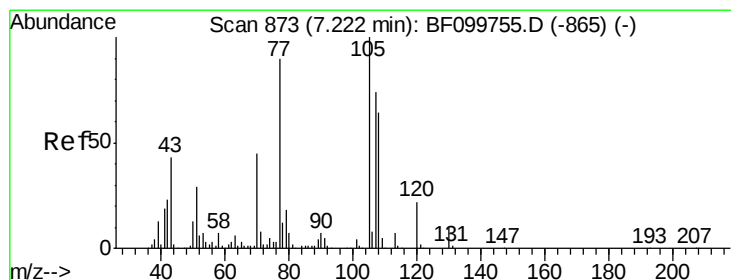
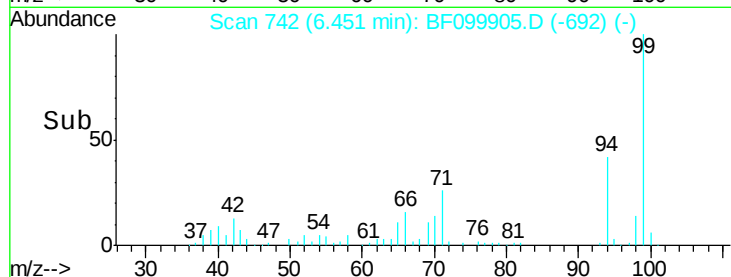
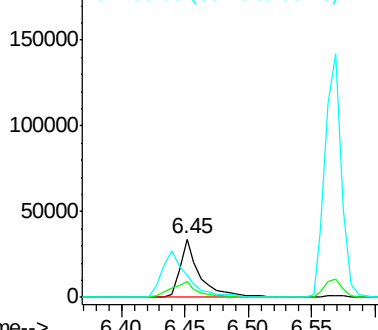
94 100

65 26.7 7.9 47.9

66 37.3 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: 11.91 ng

RT: 7.36 min Scan# 897

Delta R.T. 0.15 min

Lab File: BF099905.D

Acq: 28 Oct 2017 5:10

Tgt Ion: 70 Resp: 48559

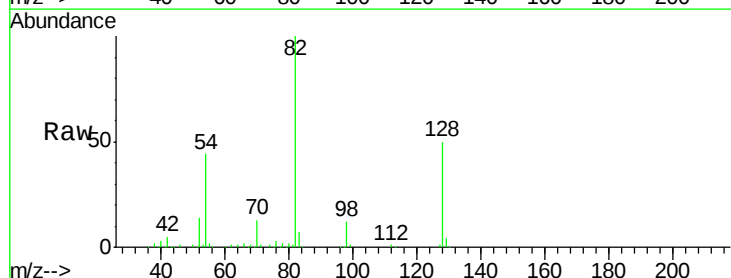
Ion Ratio Lower Upper

70 100

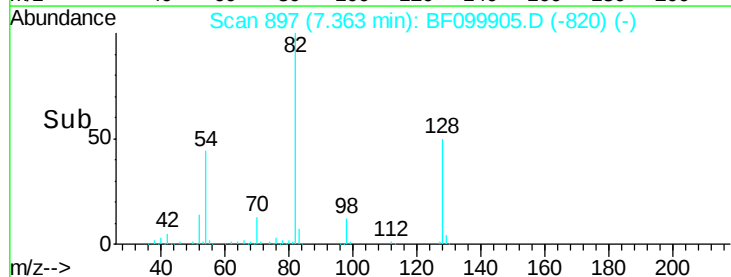
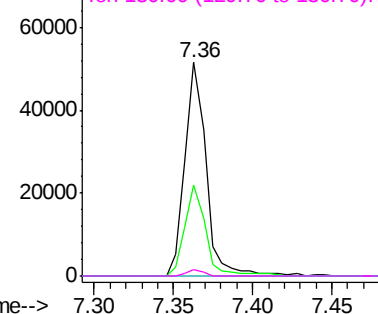
42 42.4 47.5 71.3#

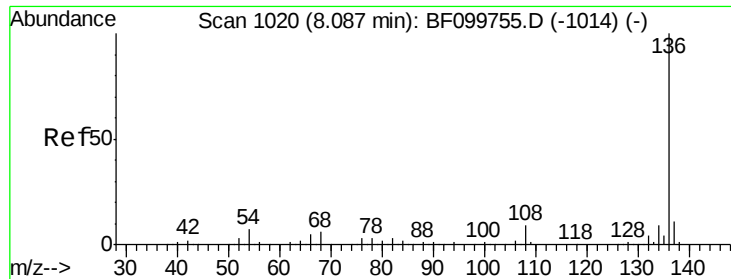
101 0.0 7.4 11.2#

130 3.0 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

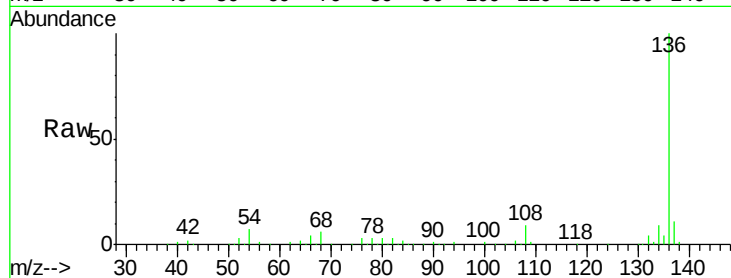




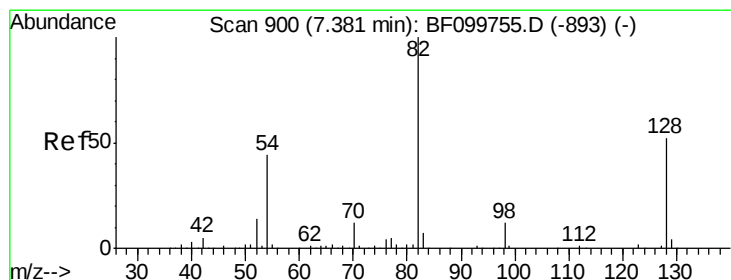
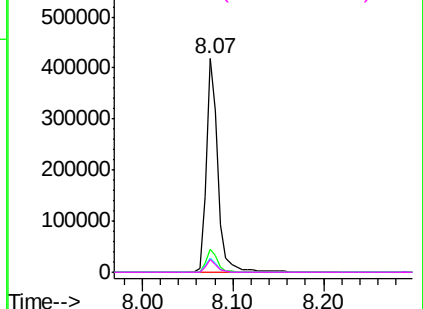
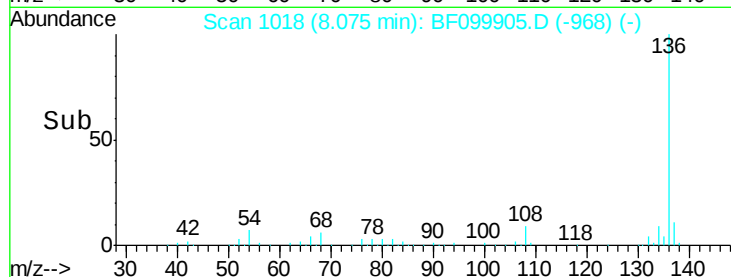
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BF099905.D
Acq: 28 Oct 2017 5:10

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	377446
Ion Ratio	Lower	Upper
136	100	
137	11.1	8.9 13.3
54	6.7	6.6 9.8
68	6.0	5.0 7.4

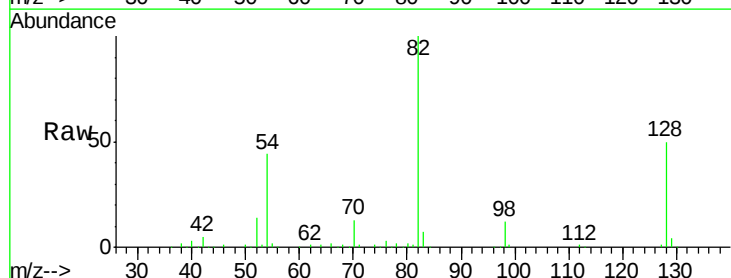


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

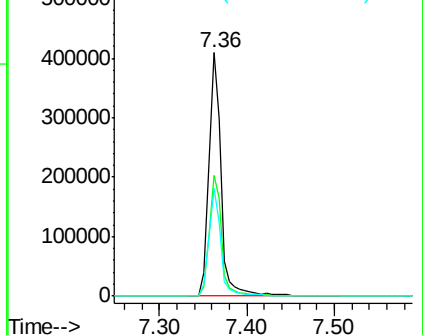
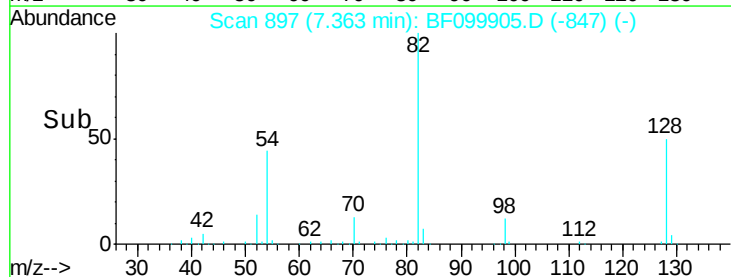


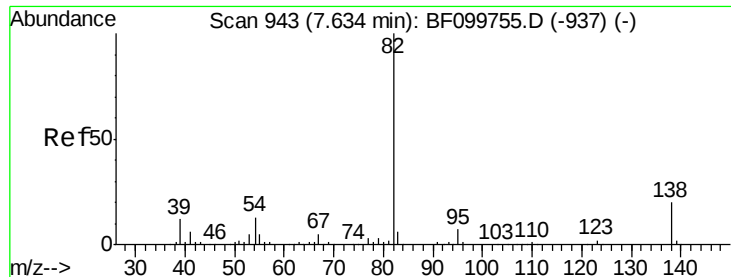
#23
Nitrobenzene-d5
Concen: 68.04 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.01 min
Lab File: BF099905.D
Acq: 28 Oct 2017 5:10

Tgt Ion: 82	Resp:	398879
Ion Ratio	Lower	Upper
82	100	
128	49.5	36.1 54.1
54	44.4	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: 37.49 ng

RT: 7.36 min Scan# 897

Delta R.T. -0.26 min

Lab File: BF099905.D

Acq: 28 Oct 2017 5:10

Instrument :

BNA_F

ClientSampleId :

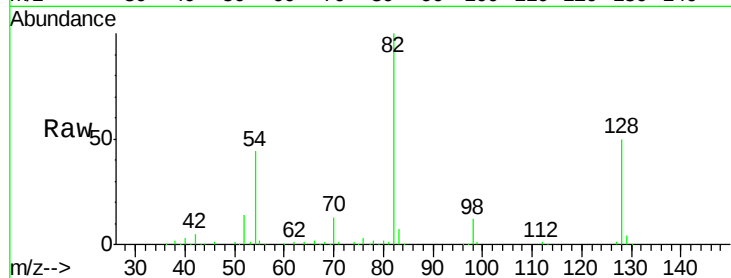
Tot Ion: 82 Resp: 398879

Ion Ratio Lower Upper

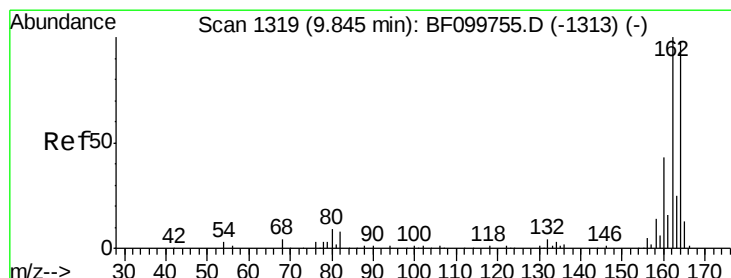
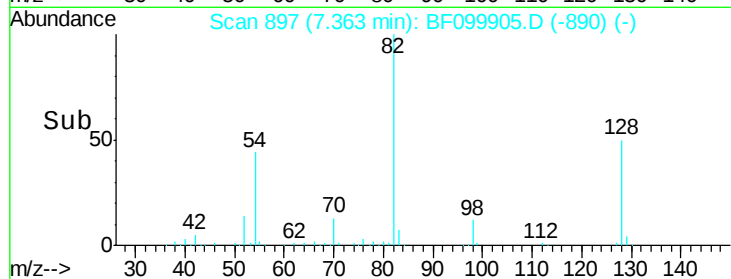
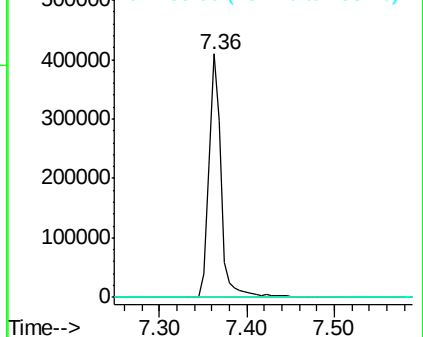
82 100

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: 9.83 min Scan# 1317

Delta R.T. -0.01 min

Lab File: BF099905.D

Acq: 28 Oct 2017 5:10

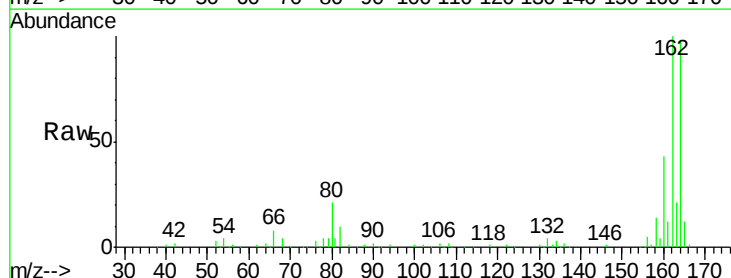
Tgt Ion: 164 Resp: 170591

Ion Ratio Lower Upper

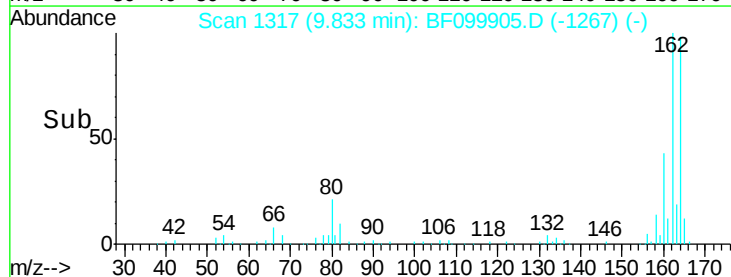
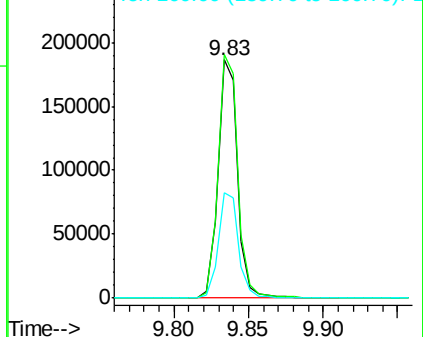
164 100

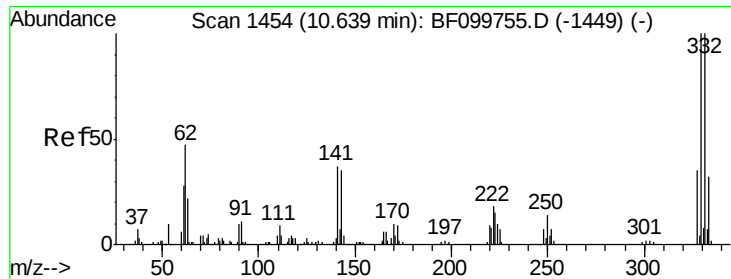
162 102.2 86.1 129.1

160 44.3 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

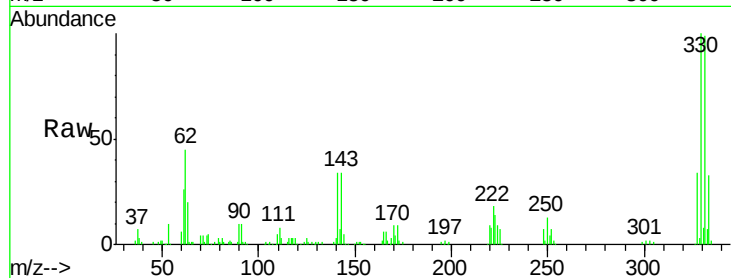




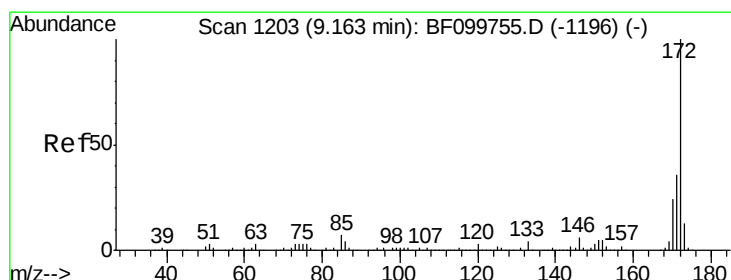
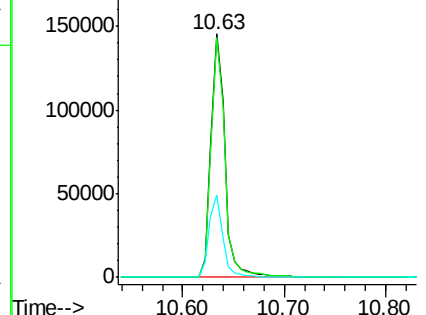
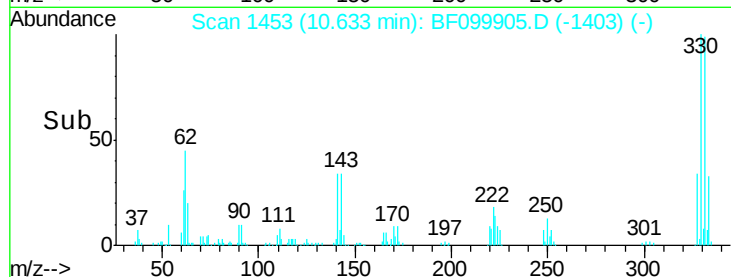
#41
 2,4,6-Tribromophenol
 Concen: 89.81 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.01 min
 Lab File: BF099905.D
 Acq: 28 Oct 2017 5:10

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.8	77.0	115.6
141	33.8	29.9	44.9

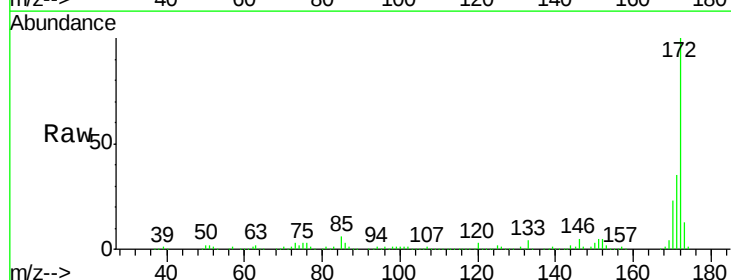


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

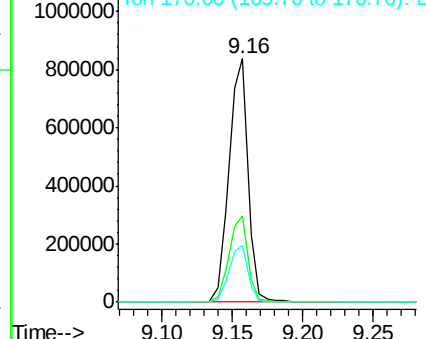
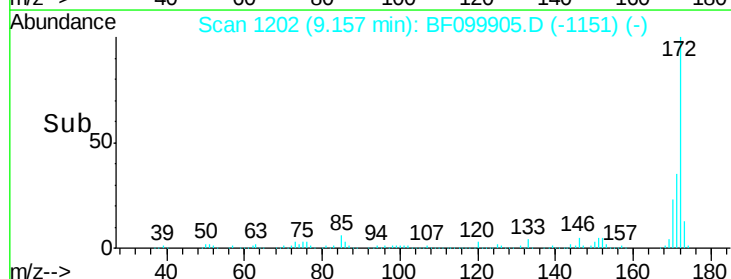


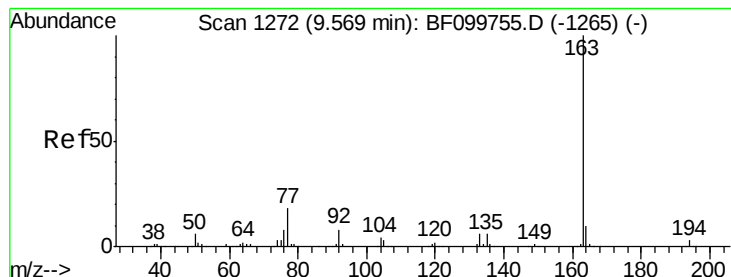
#44
 2-Fluorobiphenyl
 Concen: 71.30 ng
 RT: 9.16 min Scan# 1202
 Delta R.T. 0.00 min
 Lab File: BF099905.D
 Acq: 28 Oct 2017 5:10

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.4	29.7	44.5
170	23.2	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: 10.13 ng

RT: 9.55 min Scan# 1269

Delta R.T. -0.01 min

Lab File: BF099905.D

Acq: 28 Oct 2017 5:10

Instrument :

BNA_F

ClientSampleId :

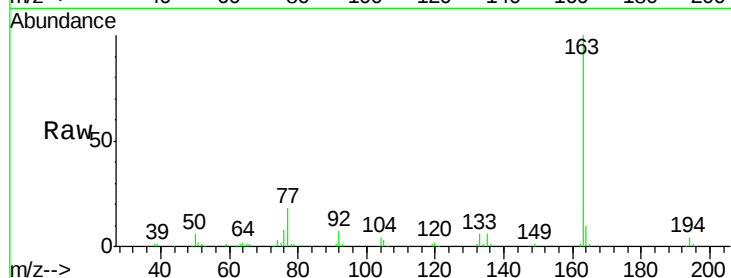
Tot Ion:163 Resp: 136783

Ion Ratio Lower Upper

163 100

194 3.6 2.7 4.1

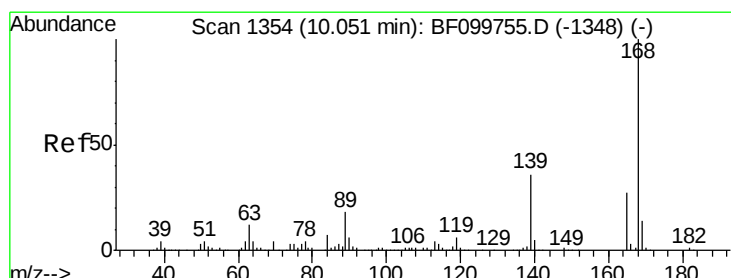
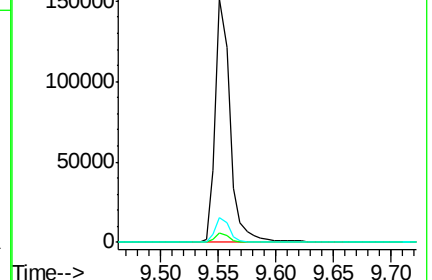
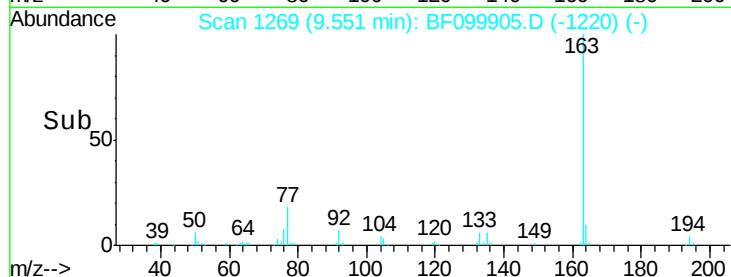
164 10.0 8.2 12.2



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



#56

2,4-Dinitrotoluene

Concen: 6.11 ng

RT: 9.83 min Scan# 1317

Delta R.T. -0.22 min

Lab File: BF099905.D

Acq: 28 Oct 2017 5:10

Tgt Ion:165 Resp: 20901

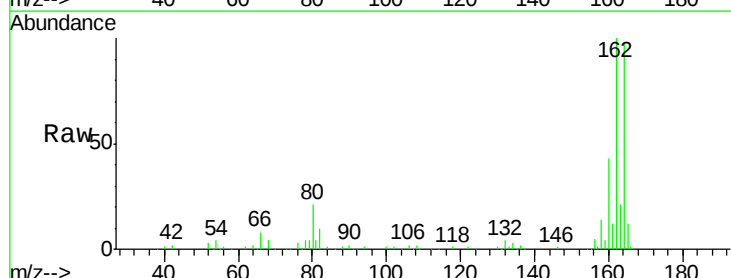
Ion Ratio Lower Upper

165 100

63 0.0 36.4 54.6#

89 0.0 57.8 86.6#

182 0.0 1.6 2.4#

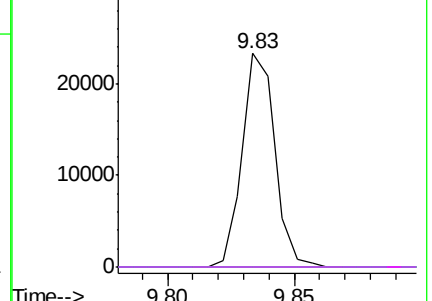
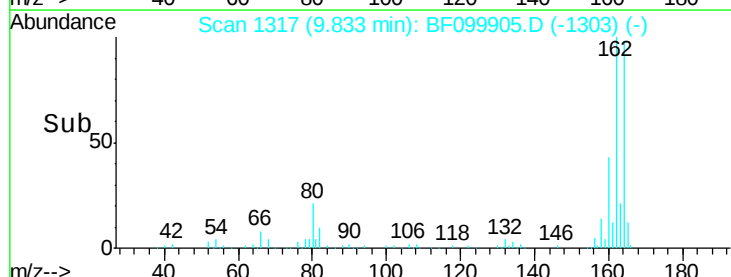


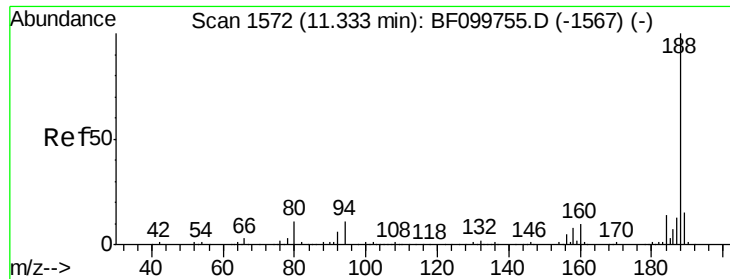
Abundance Ion 165.00 (164.70 to 165.70): E

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

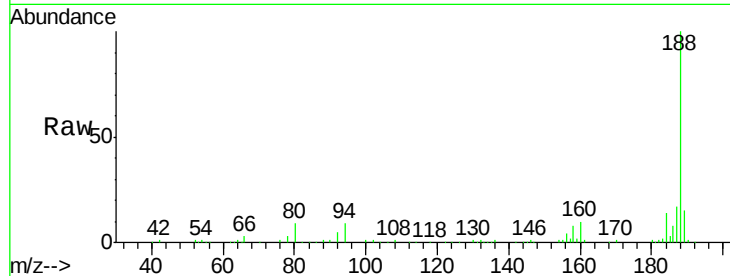




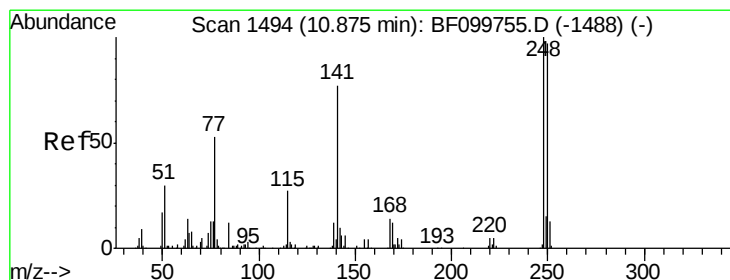
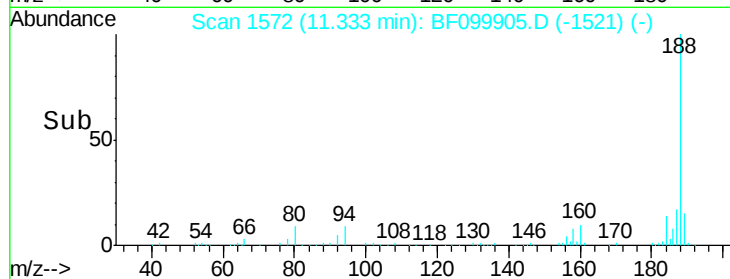
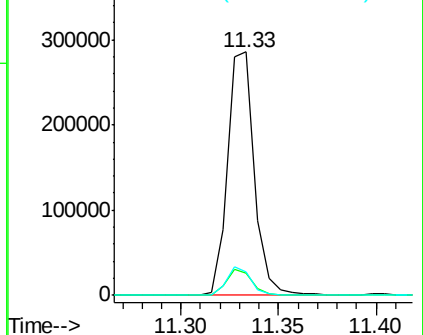
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.33 min Scan# 1572
Delta R.T. 0.00 min
Lab File: BF099905.D
Acq: 28 Oct 2017 5:10

Instrument :
BNA_F
ClientSampleId :

Tot Ion	188	Resp	272149
Ion Ratio	100		
Lower	8.5		
Upper	12.7		
94	8.9		
80	9.5		
9.2			
13.8			

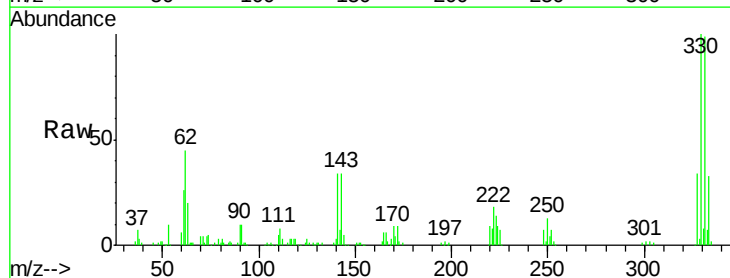


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

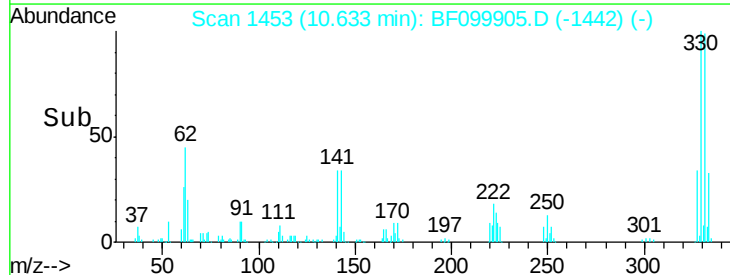
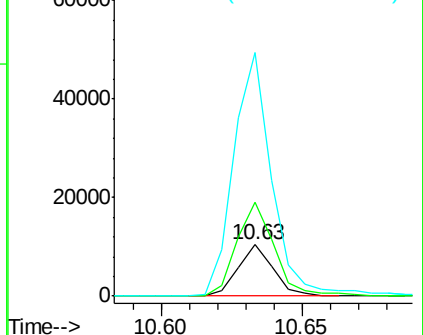


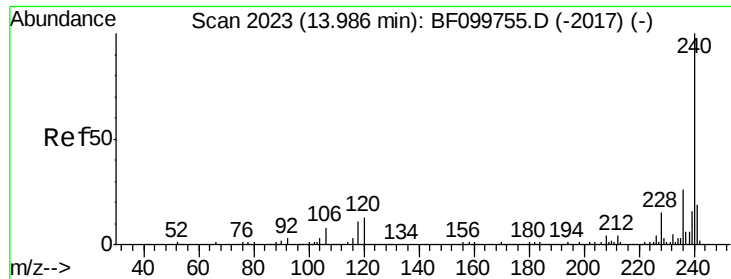
#66
4-Bromophenyl-phenylether
Concen: 3.11 ng
RT: 10.63 min Scan# 1453
Delta R.T. -0.24 min
Lab File: BF099905.D
Acq: 28 Oct 2017 5:10

Tgt Ion	248	Resp	8902
Ion Ratio	100		
Lower	76.9		
Upper	115.3#		
250	181.4		
141	472.2		
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

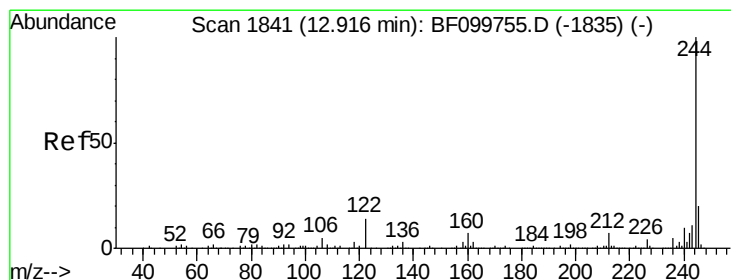
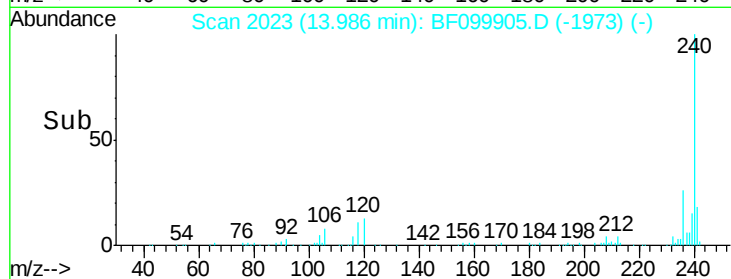
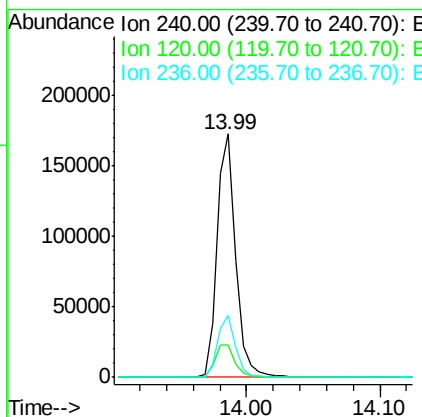
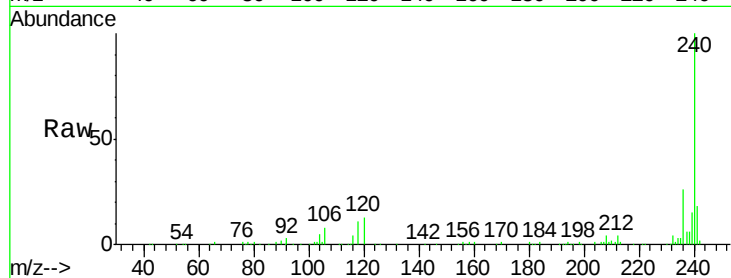




#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.99 min Scan# 2023
 Delta R.T. -0.01 min
 Lab File: BF099905.D
 Acq: 28 Oct 2017 5:10

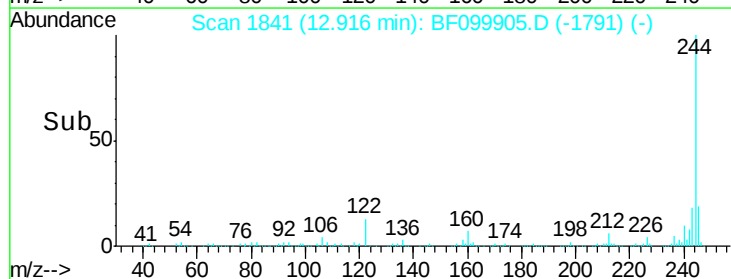
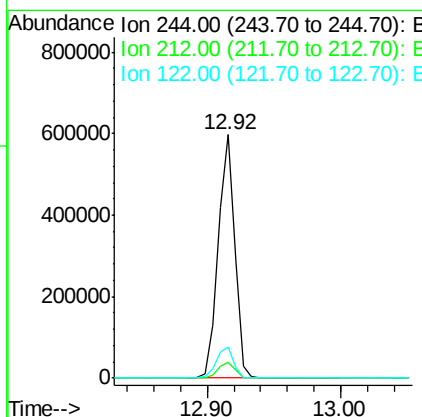
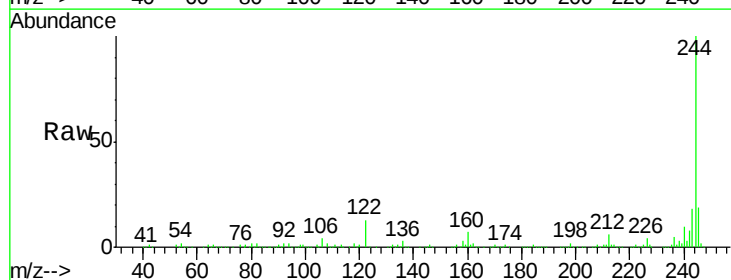
Instrument :
 BNA_F
 ClientSampleId :

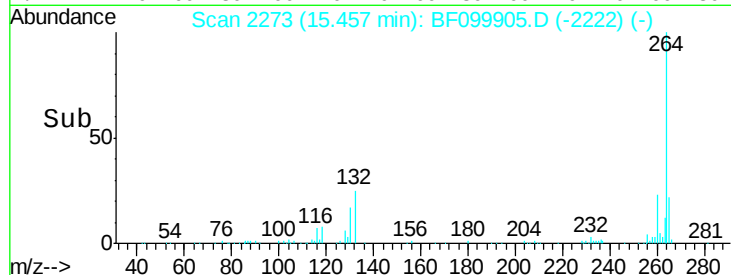
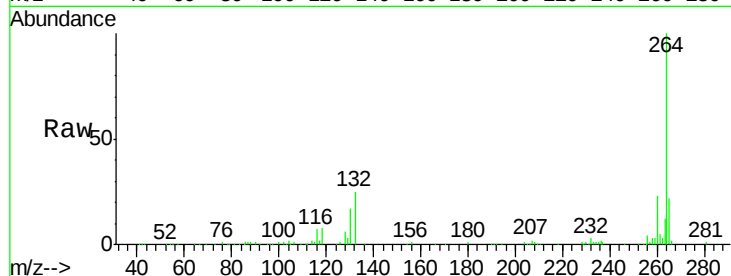
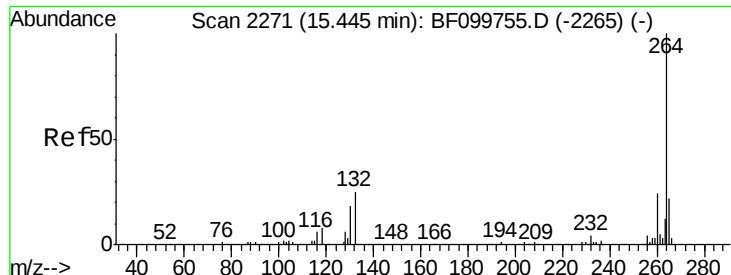
Tot Ion	Ratio	Lower	Upper
240	100		
120	13.2	9.5	14.3
236	25.6	20.7	31.1



#78
 Terphenyl-d14
 Concen: 67.70 ng
 RT: 12.92 min Scan# 1841
 Delta R.T. -0.01 min
 Lab File: BF099905.D
 Acq: 28 Oct 2017 5:10

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.4	8.0
122	13.0	11.0	16.4





#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 15.46 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: BF099905.D
 Acq: 28 Oct 2017 5:10

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:	264	Resp:	175027
Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.2	28.8
265	21.9	17.5	26.3

