

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100617\
 Data File : BF099167.D
 Acq On : 7 Oct 2017 00:27
 Operator : SJ/JU
 Sample : I5517-05
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 07 01:42:54 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

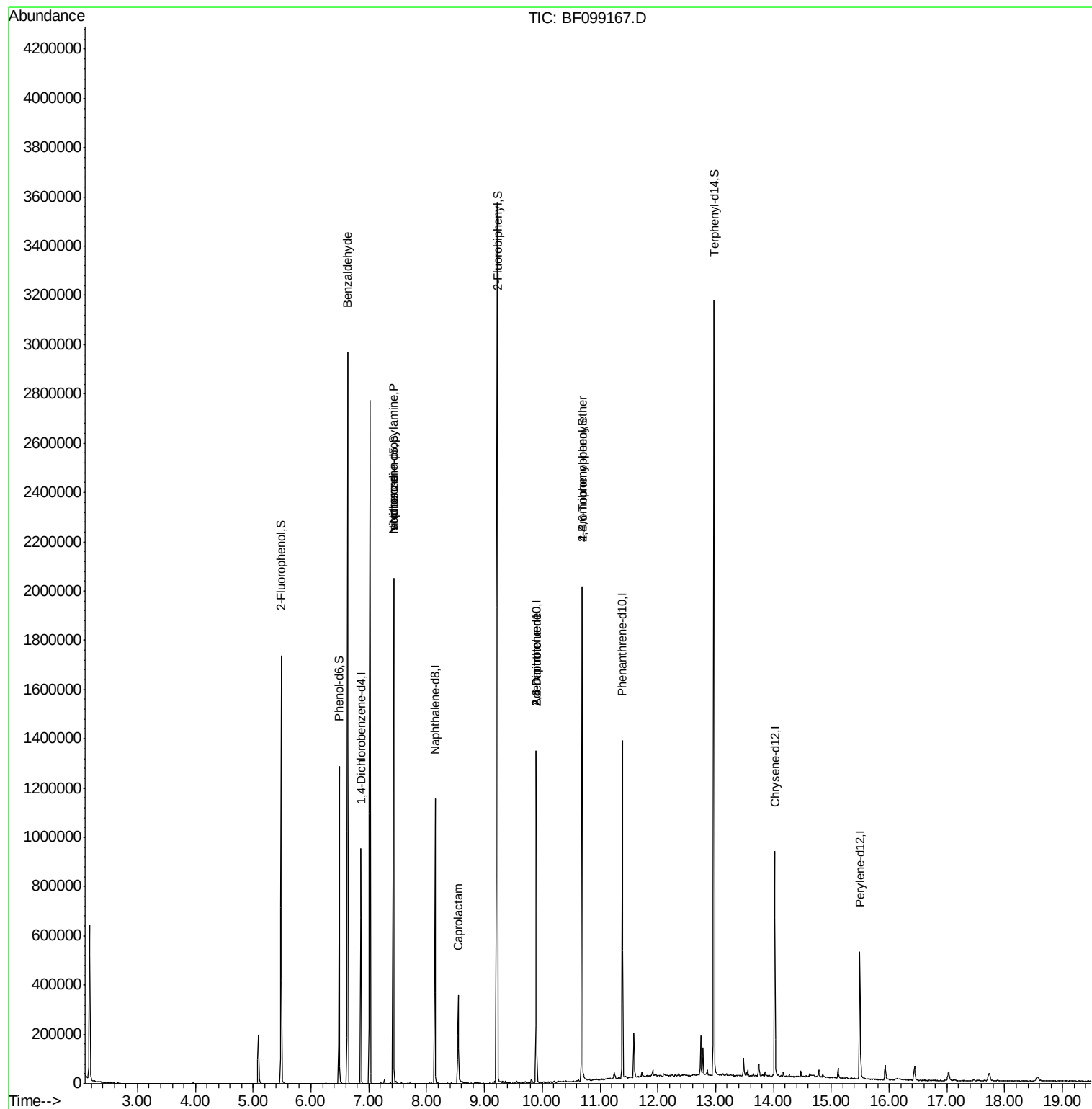
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	134532	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	559272	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	252831	20.00	ng	0.00
63) Phenanthrene-d10	11.39	188	459864	20.00	ng	0.00
75) Chrysene-d12	14.02	240	283567	20.00	ng	-0.01
86) Perylene-d12	15.49	264	219004	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	519730	61.50	ng	0.00
7) Phenol-d6	6.49	99	392210	37.62	ng	-0.01
23) Nitrobenzene-d5	7.43	82	757455	86.86	ng	0.00
41) 2,4,6-Tribromophenol	10.69	330	261740	126.52	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	1320967	87.22	ng	0.00
78) Terphenyl-d14	12.97	244	1168784	93.74	ng	0.00
Target Compounds						
9) Benzaldehyde	6.63	77	16824	2.78	ng	Qvalue 94
19) n-Nitroso-di-n-propylamine	7.43	70	97799	14.69	ng	# 74
25) Isophorone	7.43	82	754901	41.87	ng	# 64
35) Caprolactam	8.55	113	47074	19.03	ng	90
50) 2,6-Dinitrotoluene	9.90	165	32349	7.79	ng	# 25
56) 2,4-Dinitrotoluene	9.90	165	32349	6.00	ng	# 23
66) 4-Bromophenyl-phenylether	10.69	248	17519	3.89	ng	# 1

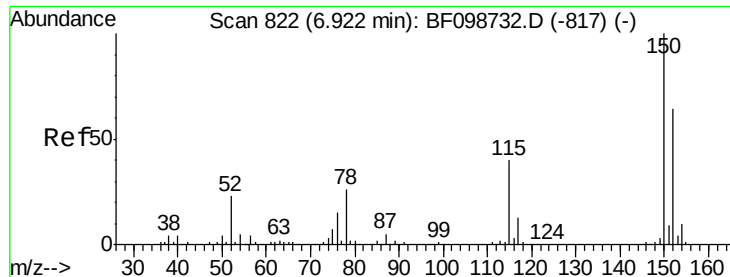
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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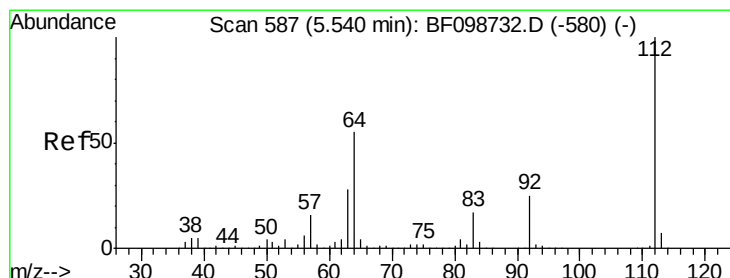
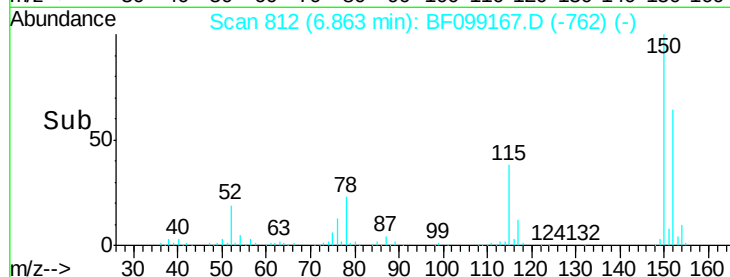
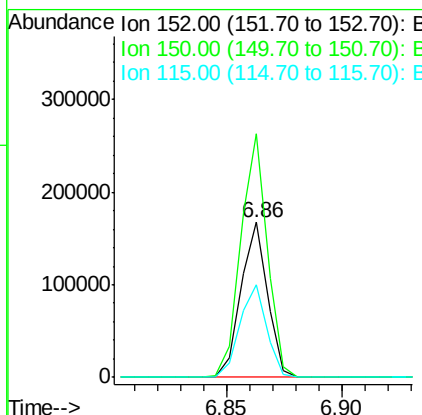
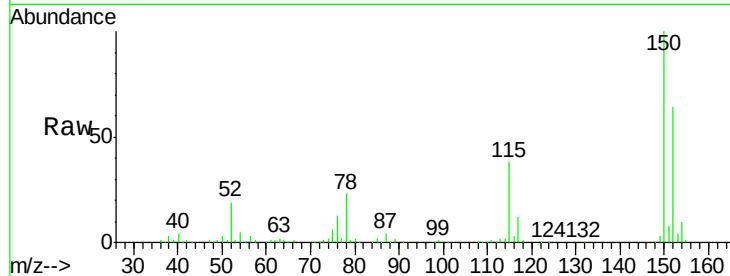


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.86 min Scan# 812
Delta R.T. -0.01 min
Lab File: BF099167.D
Acq: 7 Oct 2017 00:27

Instrument :
BNA_F
ClientSampleId :

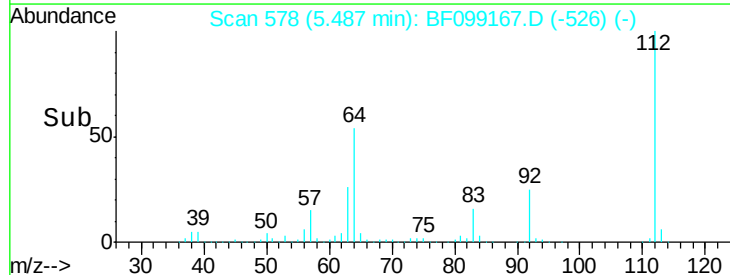
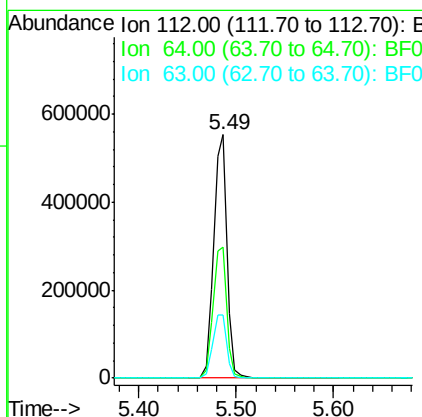
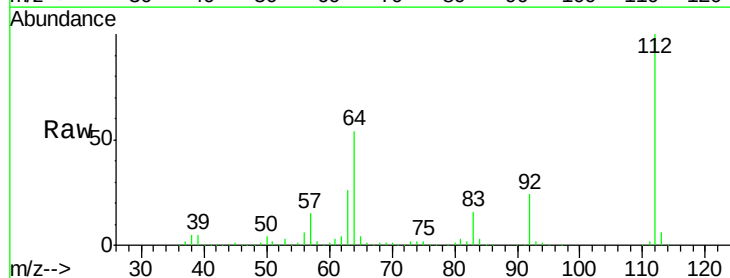
Tot Ion:152 Resp: 134532
Ion Ratio Lower Upper
152 100
150 157.1 124.6 186.8
115 60.1 50.1 75.1

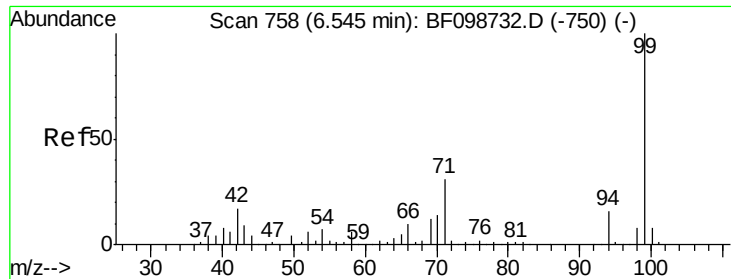


#5

2-Fluorophenol
Concen: 61.50 ng
RT: 5.49 min Scan# 578
Delta R.T. 0.01 min
Lab File: BF099167.D
Acq: 7 Oct 2017 00:27

Tgt Ion:112 Resp: 519730
Ion Ratio Lower Upper
112 100
64 53.8 47.9 71.9
63 25.9 23.7 35.5





#7

Phenol-d6

Concen: 37.62 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF099167.D

Acq: 7 Oct 2017 00:27

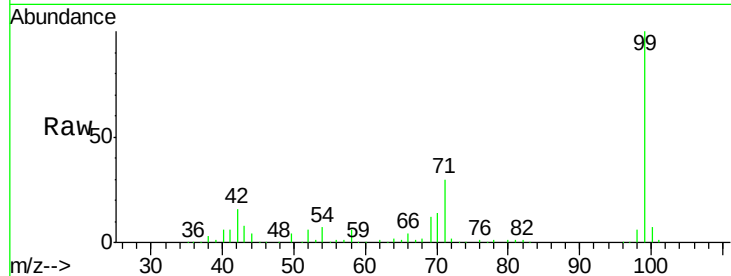
Instrument :

BNA_F

ClientSampled :

Tot Ion: 99 Resp: 392210

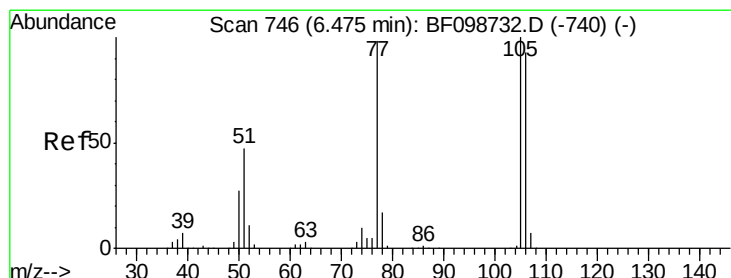
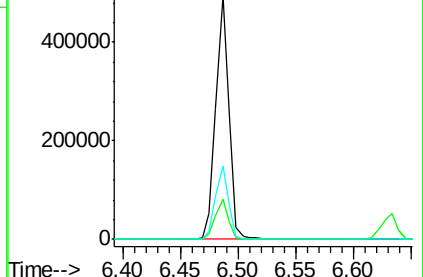
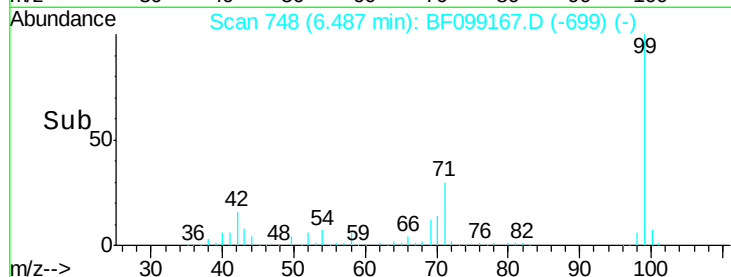
Ion	Ratio	Lower	Upper
99	100		
42	16.4	14.5	21.7
71	30.3	25.4	38.0



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: 2.78 ng

RT: 6.63 min Scan# 773

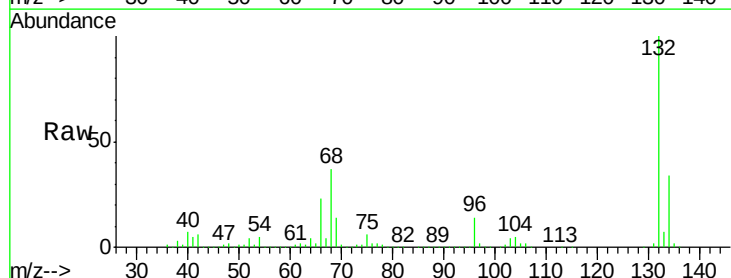
Delta R.T. 0.21 min

Lab File: BF099167.D

Acq: 7 Oct 2017 00:27

Tgt Ion: 77 Resp: 16824

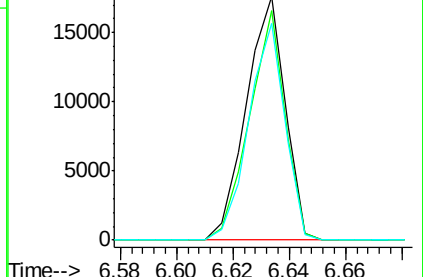
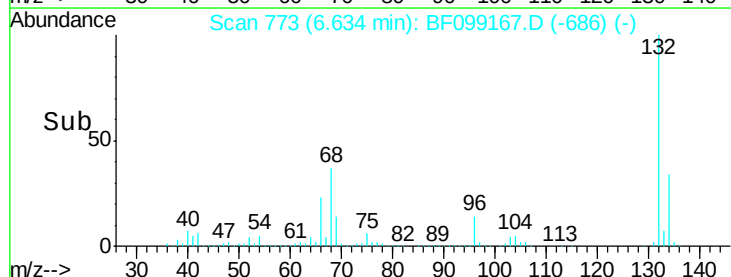
Ion	Ratio	Lower	Upper
77	100		
105	94.4	81.1	121.1
106	89.1	74.5	114.5

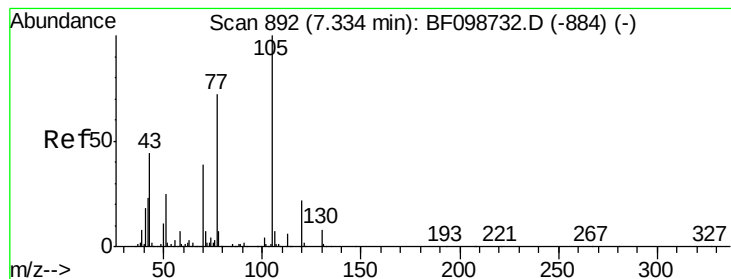


Abundance Ion 77.00 (76.70 to 77.70): BF0

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: 14.69 ng

RT: 7.43 min Scan# 908

Delta R.T. 0.14 min

Lab File: BF099167.D

Acq: 7 Oct 2017 00:27

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 97799

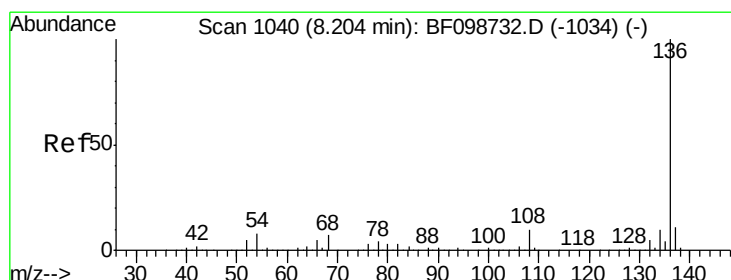
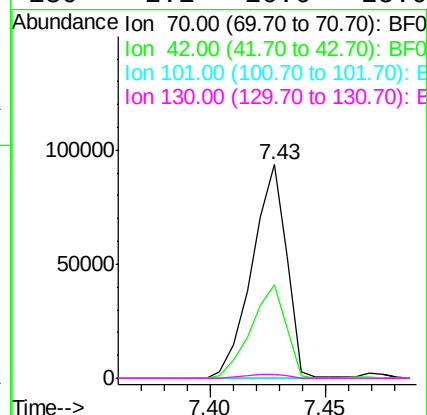
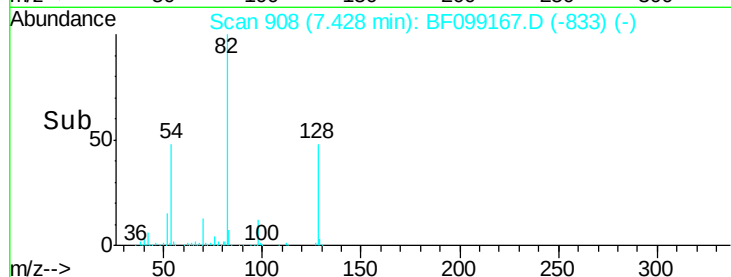
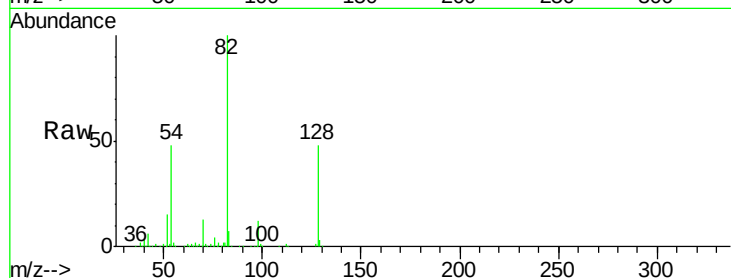
Ion Ratio Lower Upper

70 100

42 44.0 47.5 71.3#

101 0.0 7.4 11.2#

130 2.1 16.6 25.0#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.15 min Scan# 1030

Delta R.T. -0.01 min

Lab File: BF099167.D

Acq: 7 Oct 2017 00:27

Tgt Ion: 136 Resp: 559272

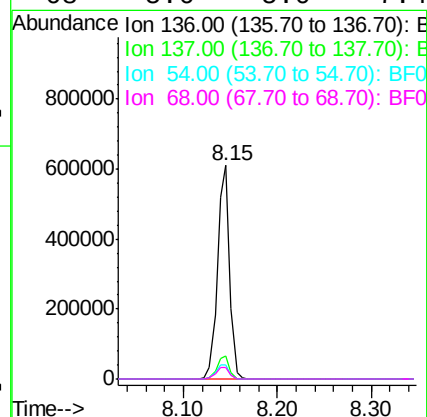
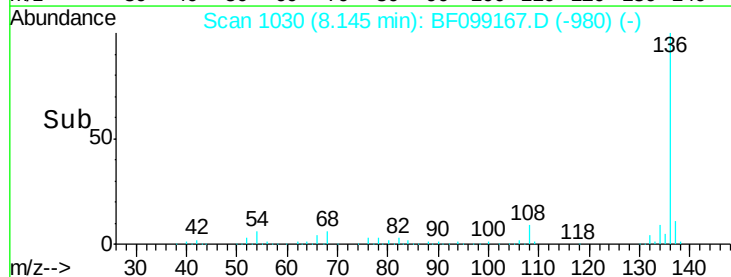
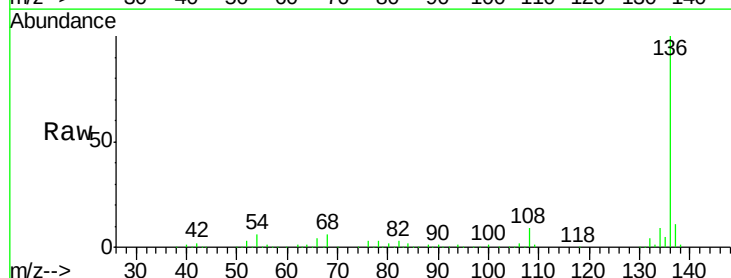
Ion Ratio Lower Upper

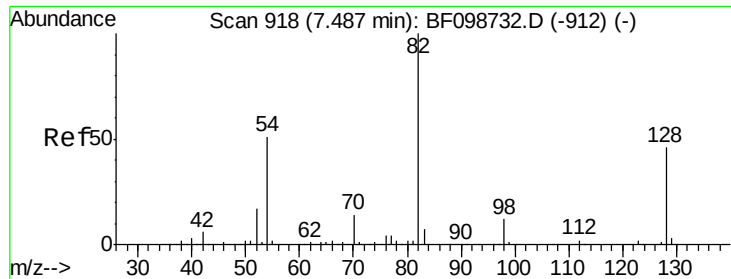
136 100

137 10.6 8.9 13.3

54 6.5 6.6 9.8#

68 5.6 5.0 7.4

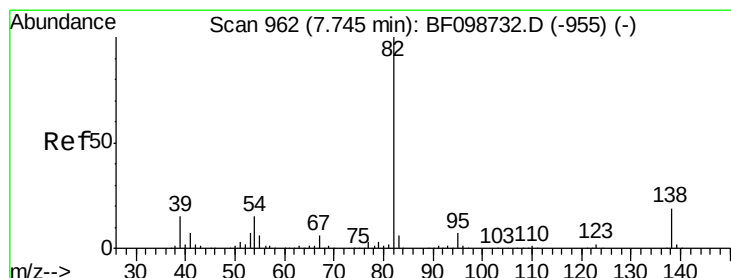
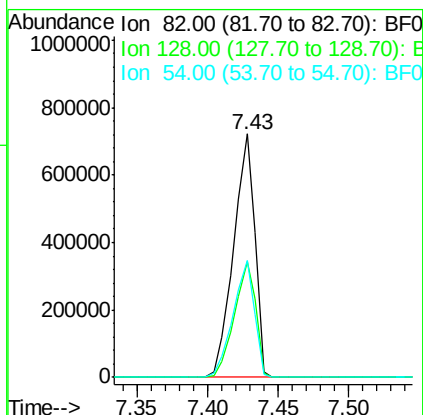
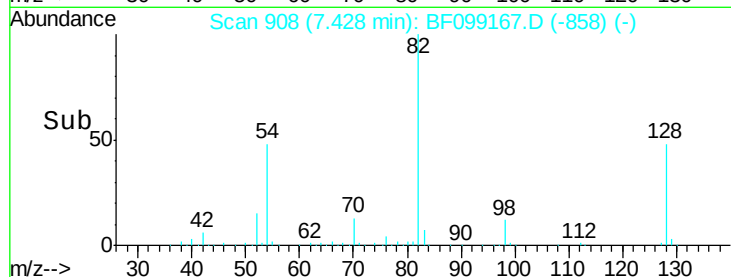
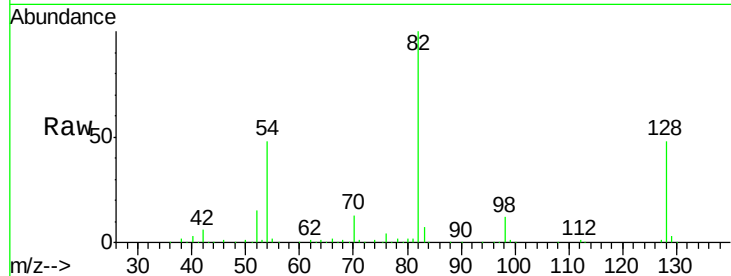




#23
 Nitrobenzene-d5
 Concen: 86.86 ng
 RT: 7.43 min Scan# 908
 Delta R.T. -0.01 min
 Lab File: BF099167.D
 Acq: 7 Oct 2017 00:27

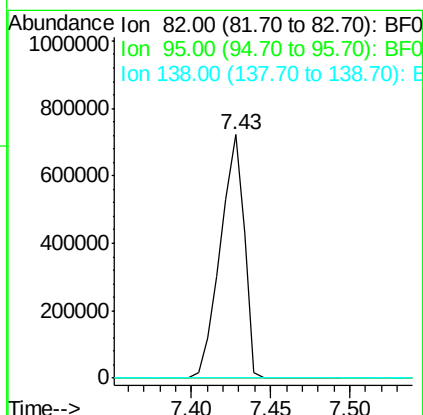
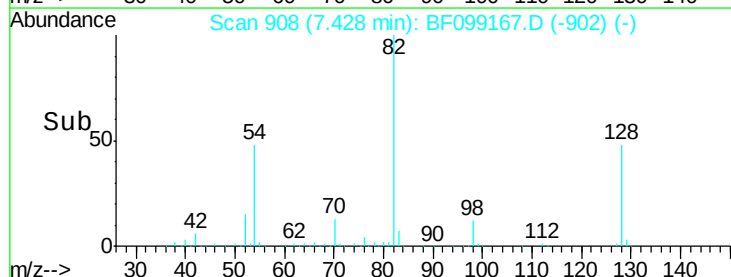
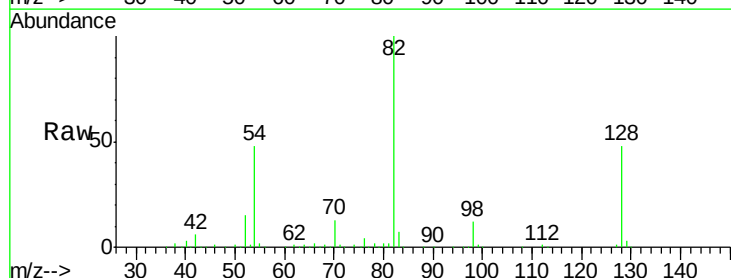
Instrument :
 BNA_F
 ClientSampled :

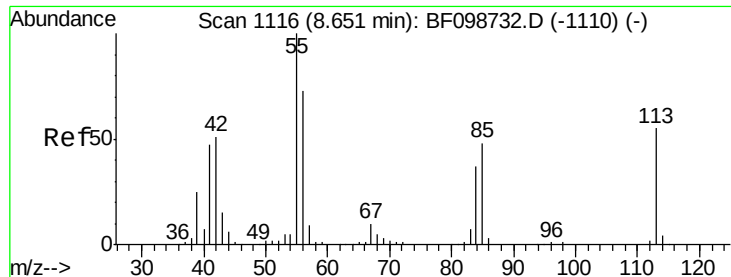
Tot Ion	82	Resp	757455
Ion Ratio	100	Lower	Upper
128	47.5	36.1	54.1
54	47.8	41.4	62.2



#25
 Isophorone
 Concen: 41.87 ng
 RT: 7.43 min Scan# 908
 Delta R.T. -0.26 min
 Lab File: BF099167.D
 Acq: 7 Oct 2017 00:27

Tgt Ion	82	Resp	754901
Ion Ratio	100	Lower	Upper
95	0.0	5.2	7.8#
138	0.0	14.9	22.3#

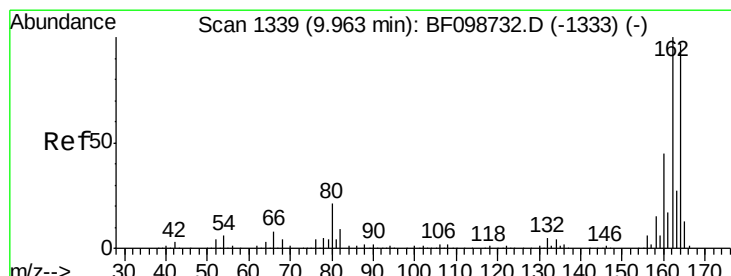
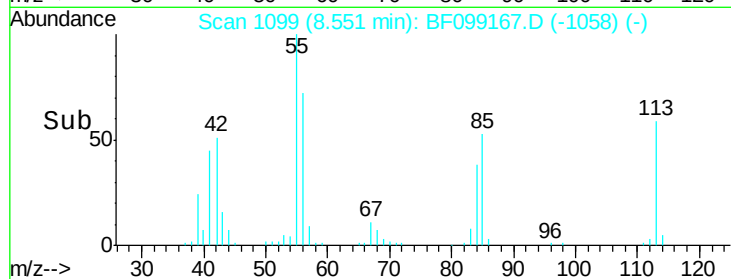
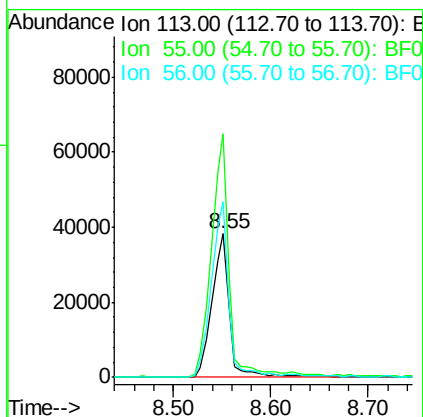
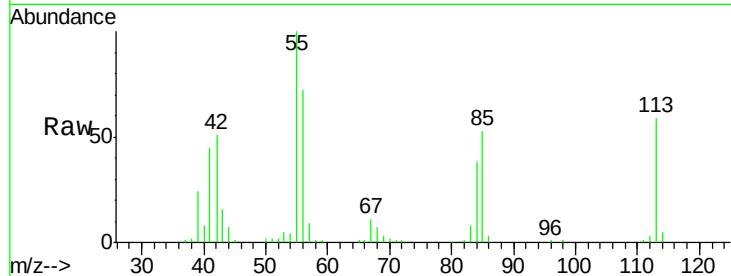




#35
 Caprolactam
 Concen: 19.03 ng
 RT: 8.55 min Scan# 1099
 Delta R.T. -0.06 min
 Lab File: BF099167.D
 Acq: 7 Oct 2017 00:27

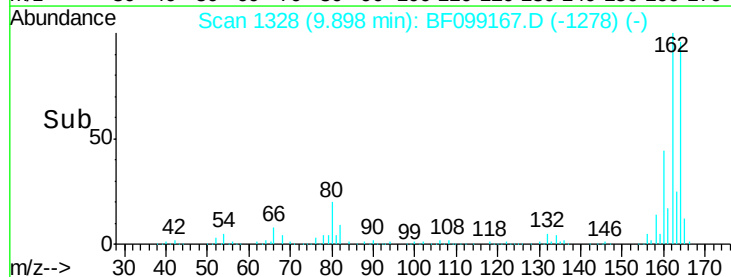
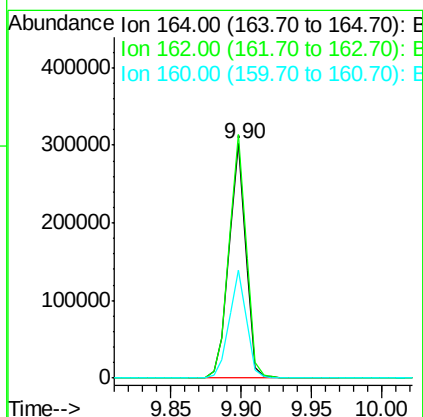
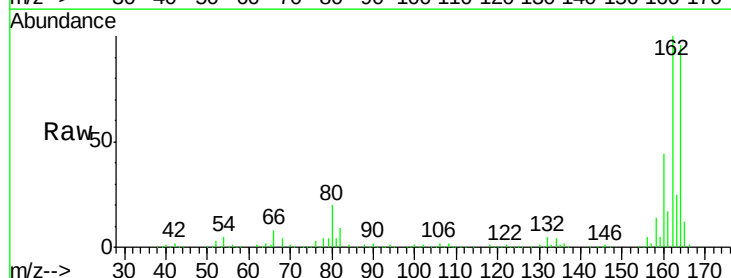
Instrument :
 BNA_F
 ClientSampled :

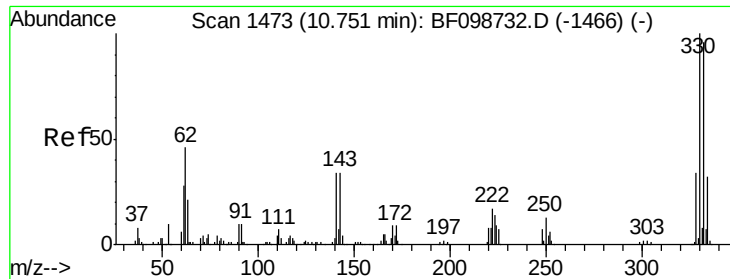
Tot Ion:113 Resp: 47074
 Ion Ratio Lower Upper
 113 100
 55 169.7 163.3 203.3
 56 122.5 115.7 155.7



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. -0.01 min
 Lab File: BF099167.D
 Acq: 7 Oct 2017 00:27

Tgt Ion:164 Resp: 252831
 Ion Ratio Lower Upper
 164 100
 162 103.9 86.1 129.1
 160 45.8 38.3 57.5

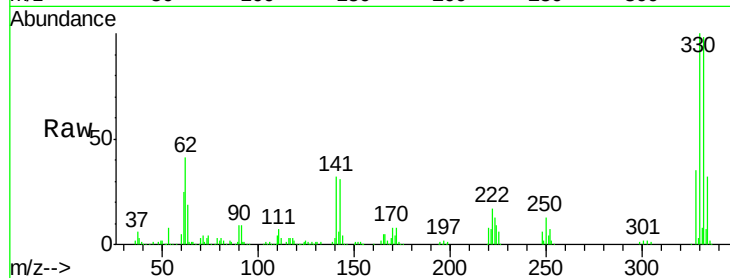




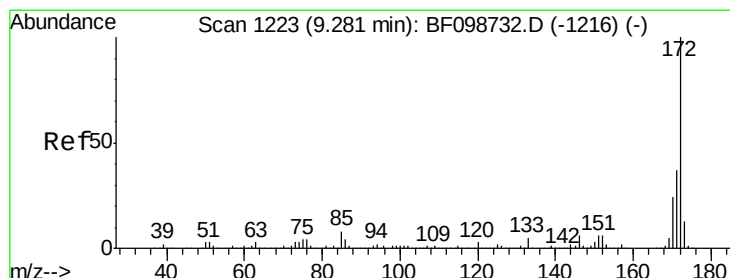
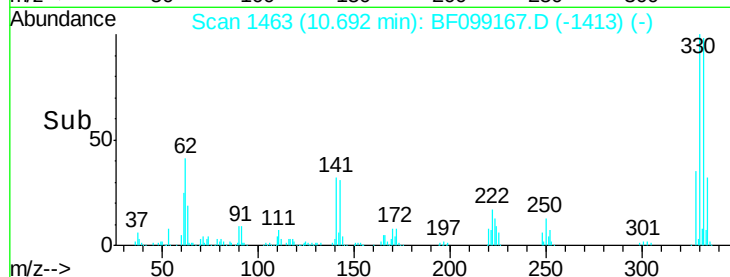
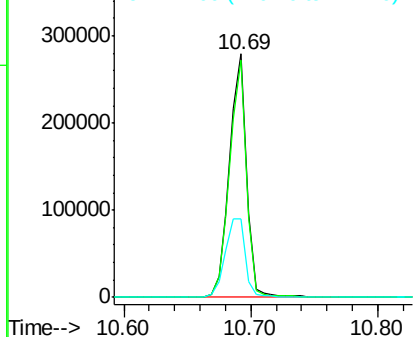
#41
 2,4,6-Tribromophenol
 Concen: 126.52 ng
 RT: 10.69 min Scan# 1463
 Delta R.T. -0.01 min
 Lab File: BF099167.D
 Acq: 7 Oct 2017 00:27

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.3	77.0	115.6
141	38.5	29.9	44.9

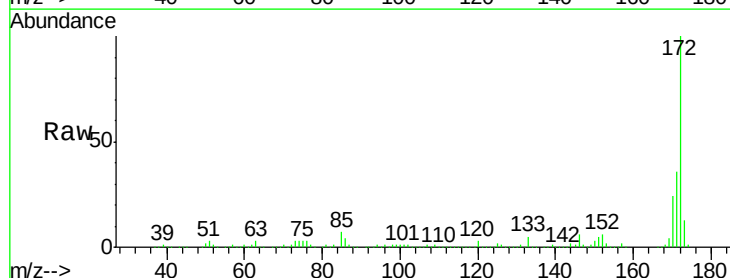


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

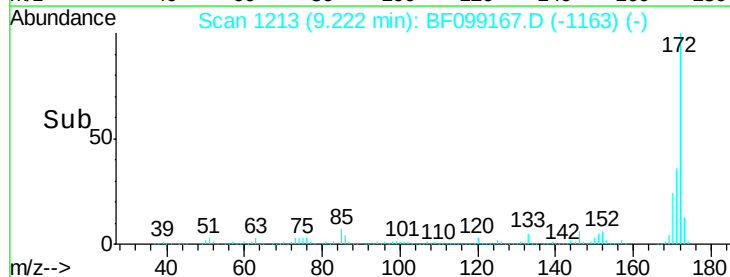
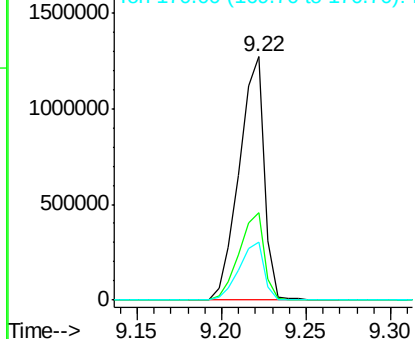


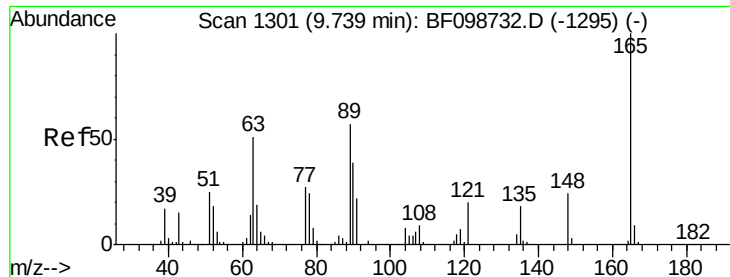
#44
 2-Fluorobiphenyl
 Concen: 87.22 ng
 RT: 9.22 min Scan# 1213
 Delta R.T. -0.01 min
 Lab File: BF099167.D
 Acq: 7 Oct 2017 00:27

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.7	44.5
170	23.9	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: 7.79 ng

RT: 9.90 min Scan# 1328

Delta R.T. 0.21 min

Lab File: BF099167.D

Acq: 7 Oct 2017 00:27

Instrument :

BNA_F

ClientSampleId :

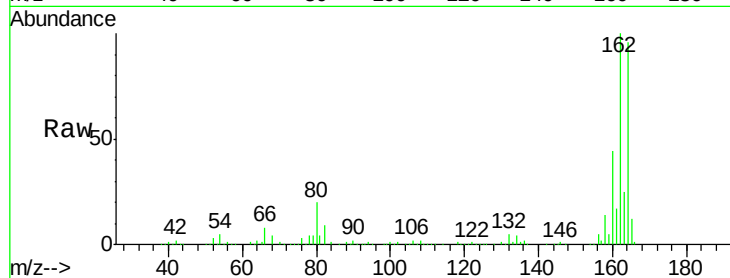
Tot Ion:165 Resp: 32349

Ion Ratio Lower Upper

165 100

63 1.4 44.7 67.1#

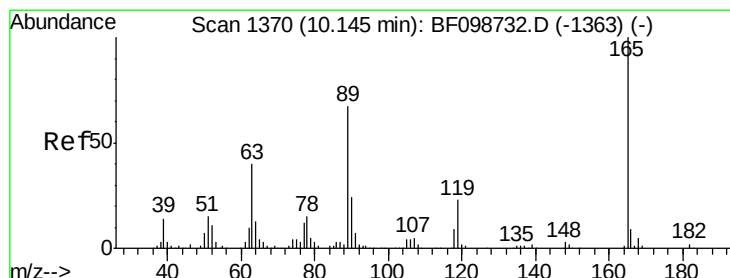
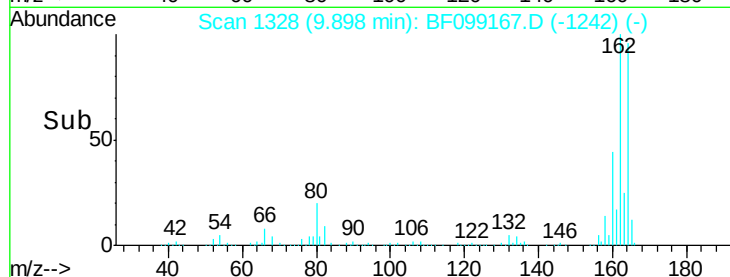
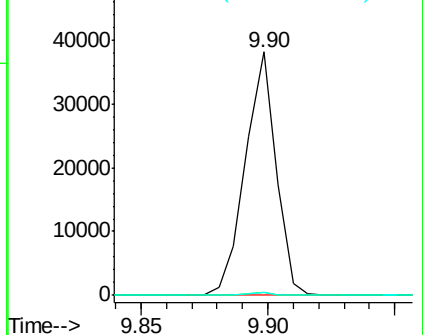
89 1.2 44.0 66.0#



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: 6.00 ng

RT: 9.90 min Scan# 1328

Delta R.T. -0.20 min

Lab File: BF099167.D

Acq: 7 Oct 2017 00:27

Tgt Ion:165 Resp: 32349

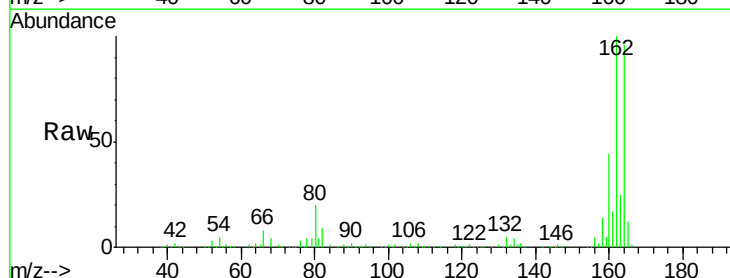
Ion Ratio Lower Upper

165 100

63 1.4 36.4 54.6#

89 1.2 57.8 86.6#

182 0.0 1.6 2.4#

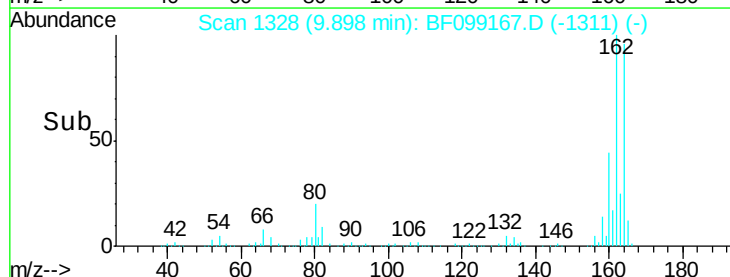
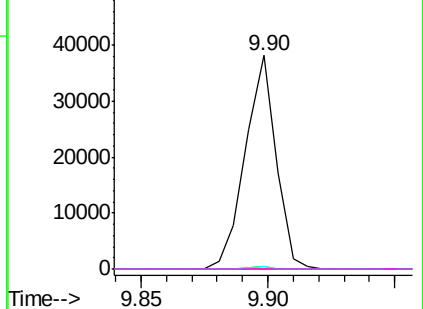


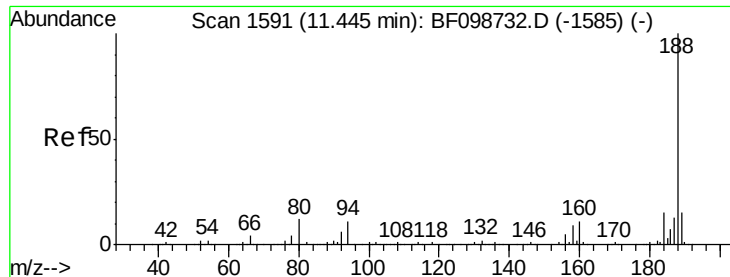
Abundance Ion 165.00 (164.70 to 165.70): E

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

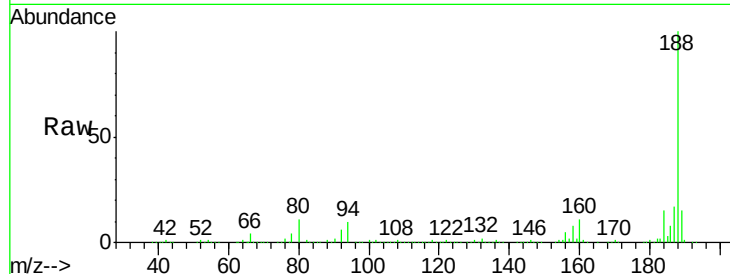




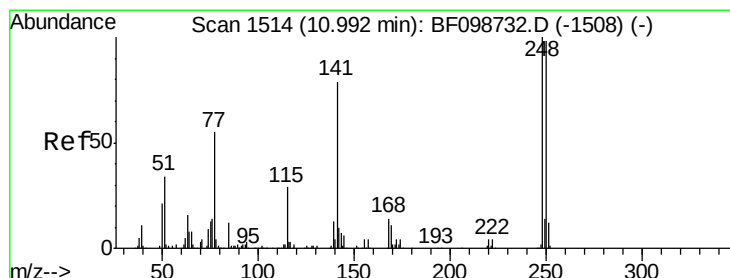
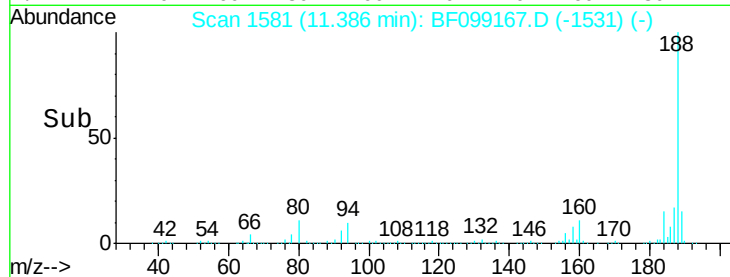
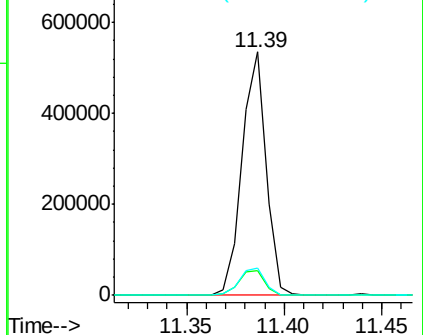
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF099167.D
Acq: 7 Oct 2017 00:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 459864
Ion Ratio Lower Upper
188 100
94 10.3 8.5 12.7
80 11.2 9.2 13.8

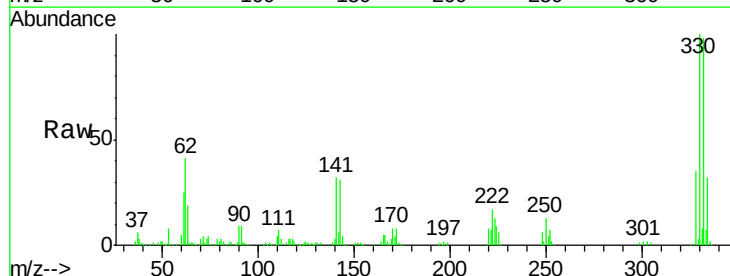


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

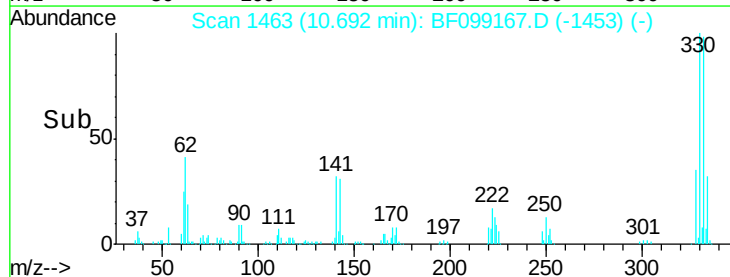
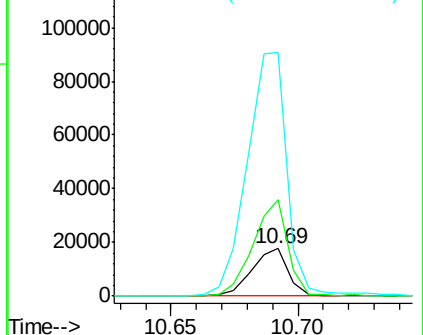


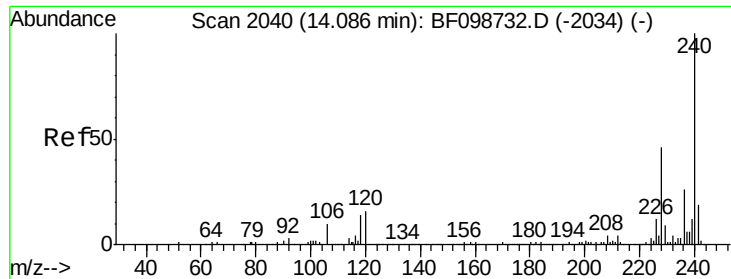
#66
4-Bromophenyl-phenylether
Concen: 3.89 ng
RT: 10.69 min Scan# 1463
Delta R.T. -0.24 min
Lab File: BF099167.D
Acq: 7 Oct 2017 00:27

Tgt Ion:248 Resp: 17519
Ion Ratio Lower Upper
248 100
250 201.6 76.9 115.3#
141 510.2 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

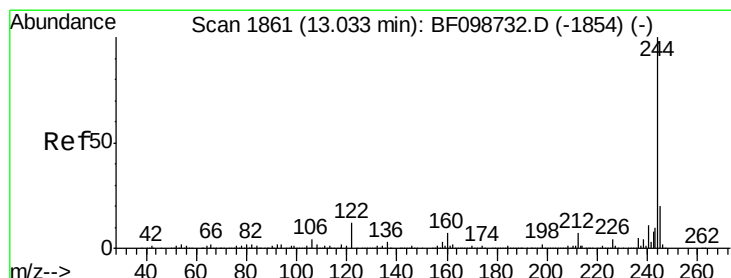
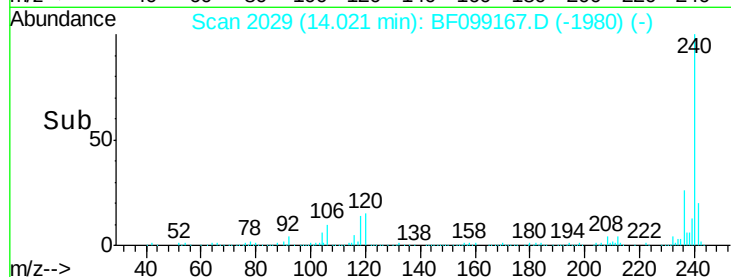
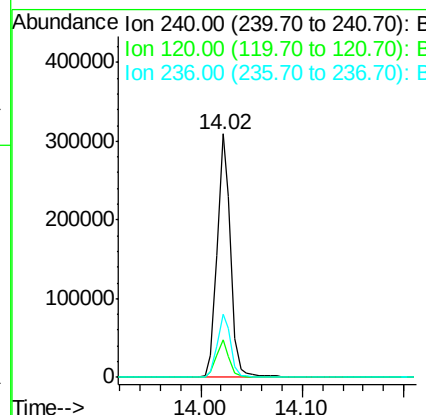
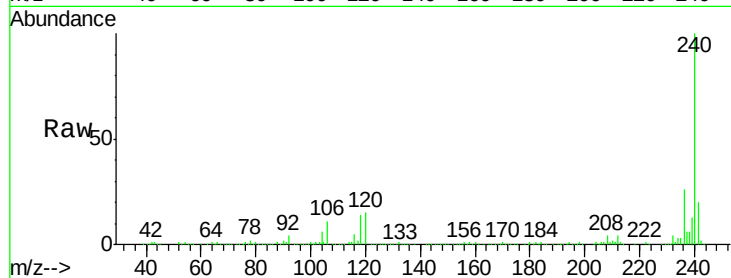




#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.02 min Scan# 2029
Delta R.T. -0.01 min
Lab File: BF099167.D
Acq: 7 Oct 2017 00:27

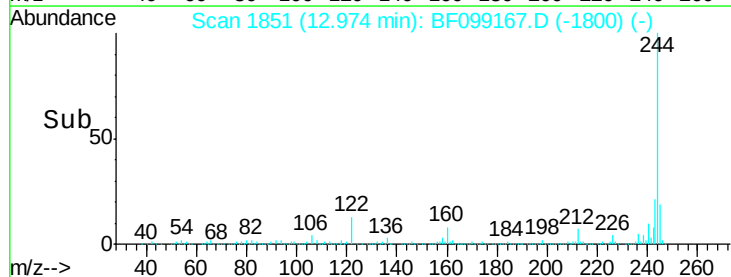
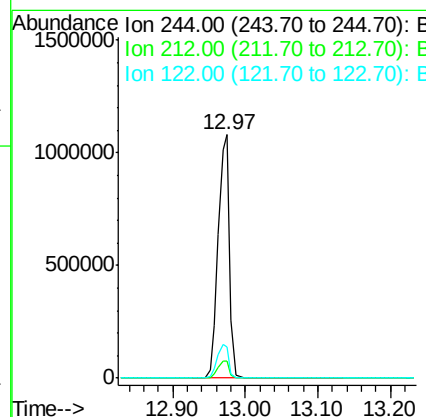
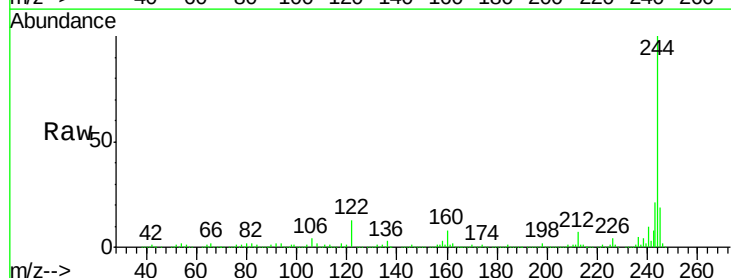
Instrument :
BNA_F
ClientSampleId :

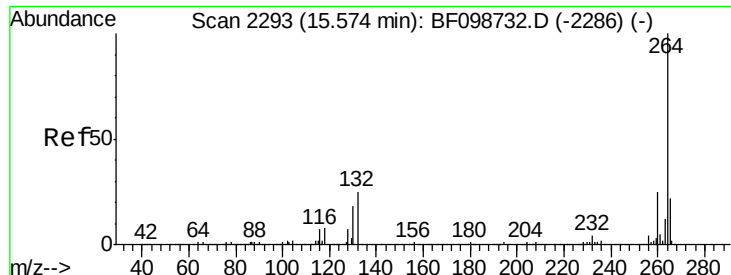
Tot Ion:240 Resp: 283567
Ion Ratio Lower Upper
240 100
120 15.5 9.5 14.3#
236 25.8 20.7 31.1



#78
Terphenyl-d14
Concen: 93.74 ng
RT: 12.97 min Scan# 1851
Delta R.T. 0.00 min
Lab File: BF099167.D
Acq: 7 Oct 2017 00:27

Tgt Ion:244 Resp: 1168784
Ion Ratio Lower Upper
244 100
212 7.0 5.4 8.0
122 12.7 11.0 16.4

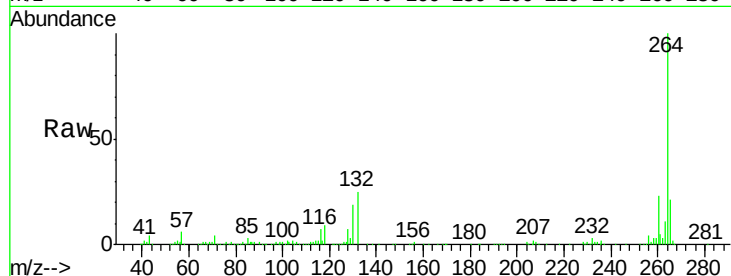




#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 15.49 min Scan# 2279
 Delta R.T. -0.01 min
 Lab File: BF099167.D
 Acq: 7 Oct 2017 00:27

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.2	28.8
265	20.9	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

