

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100517\
 Data File : BF099133.D
 Acq On : 6 Oct 2017 7:16
 Operator : SJ/JU
 Sample : I5644-08
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 06 07:47:58 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

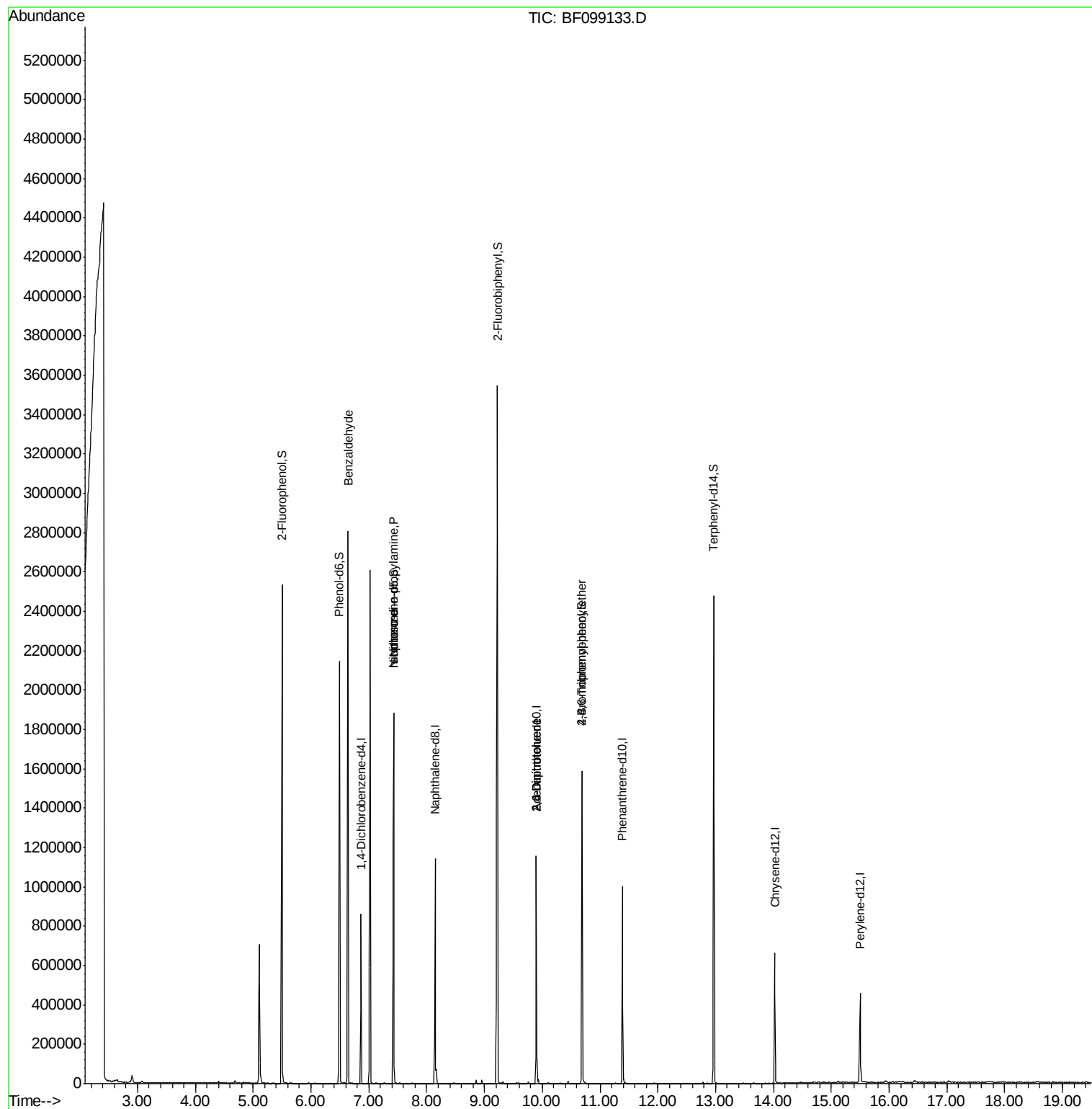
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	119385	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	483665	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	213139	20.00	ng	0.00
63) Phenanthrene-d10	11.39	188	327631	20.00	ng	0.00
75) Chrysene-d12	14.02	240	202401	20.00	ng	-0.01
86) Perylene-d12	15.50	264	206376	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	778507	103.81	ng	0.02
7) Phenol-d6	6.49	99	837377	90.51	ng	0.00
23) Nitrobenzene-d5	7.43	82	666596	88.39	ng	0.00
41) 2,4,6-Tribromophenol	10.69	330	195289	111.97	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	1176194	92.13	ng	0.00
78) Terphenyl-d14	12.97	244	759655	85.36	ng	0.00
Target Compounds						
9) Benzaldehyde	6.64	77	16831	3.14	ng	Qvalue 85
19) n-Nitroso-di-n-propylamine	7.43	70	86018	14.56	ng	# 76
25) Isophorone	7.43	82	666583	42.75	ng	# 64
50) 2,6-Dinitrotoluene	9.90	165	26260	7.50	ng	# 25
56) 2,4-Dinitrotoluene	9.90	165	26260	5.78	ng	# 23
66) 4-Bromophenyl-phenylether	10.69	248	13273	4.14	ng	# 1

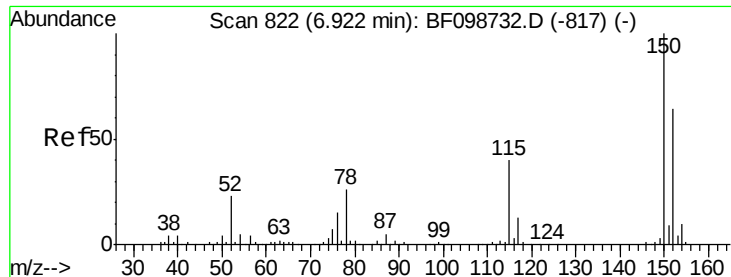
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF099133.D

Acq: 6 Oct 2017 7:16

Instrument :

BNA_F

ClientSampleId :

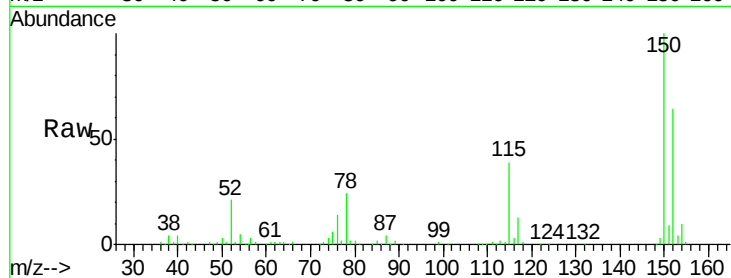
Tot Ion:152 Resp: 119385

Ion Ratio Lower Upper

152 100

150 155.3 124.6 186.8

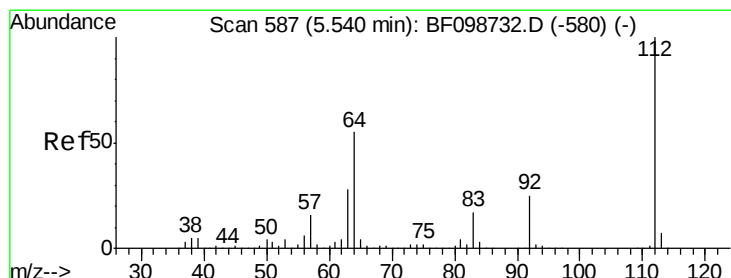
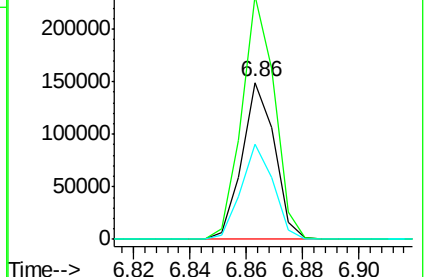
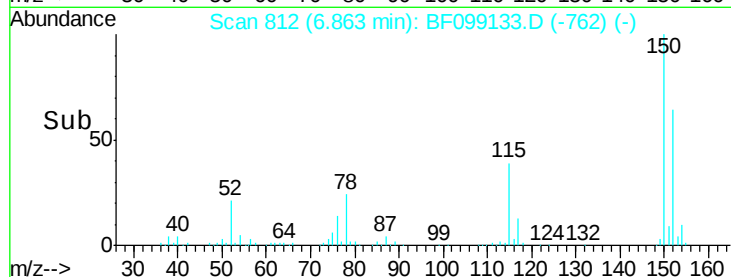
115 60.8 50.1 75.1



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: 103.81 ng

RT: 5.50 min Scan# 580

Delta R.T. 0.02 min

Lab File: BF099133.D

Acq: 6 Oct 2017 7:16

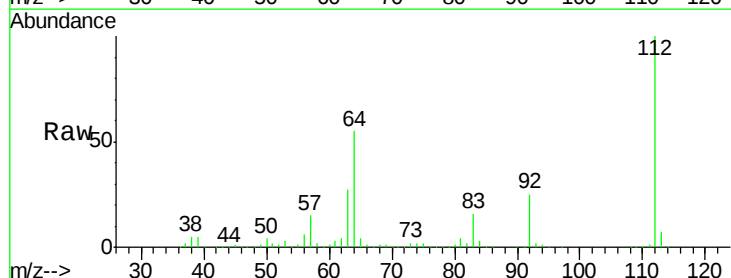
Tgt Ion:112 Resp: 778507

Ion Ratio Lower Upper

112 100

64 54.5 47.9 71.9

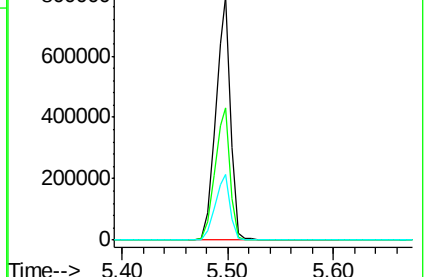
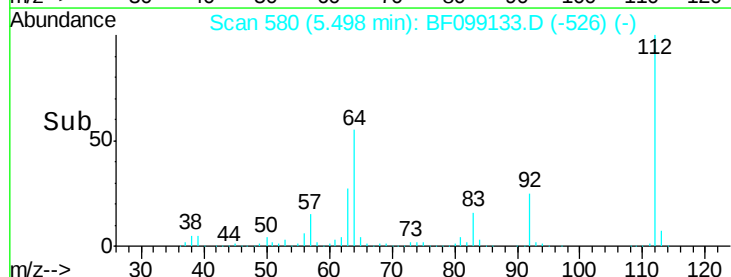
63 27.1 23.7 35.5

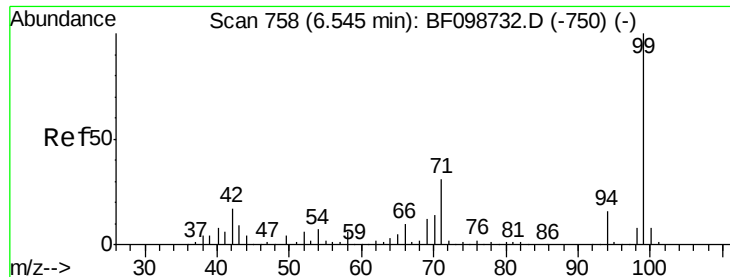


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 90.51 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF099133.D

Acq: 6 Oct 2017 7:16

Instrument :

BNA_F

ClientSampled :

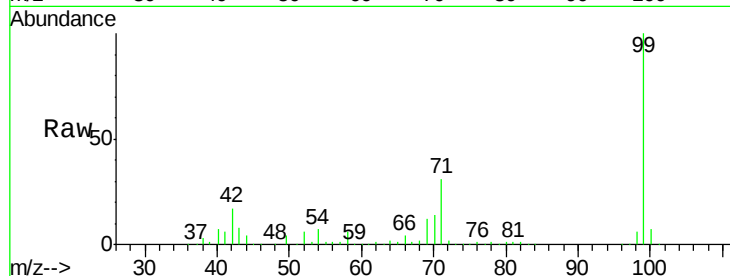
Tot Ion: 99 Resp: 837377

Ion Ratio Lower Upper

99 100

42 16.7 14.5 21.7

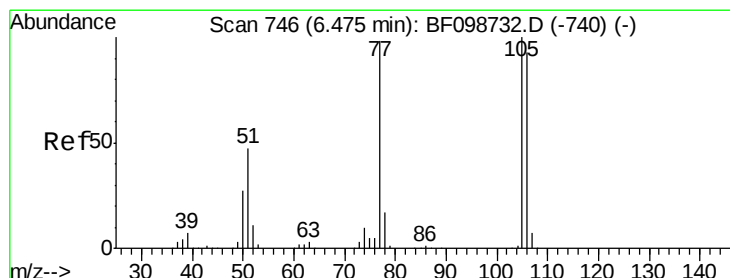
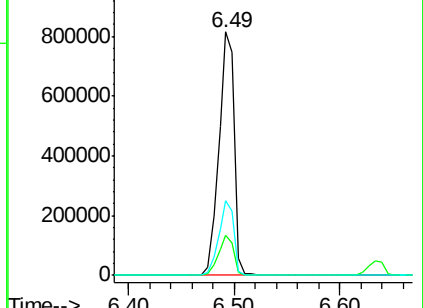
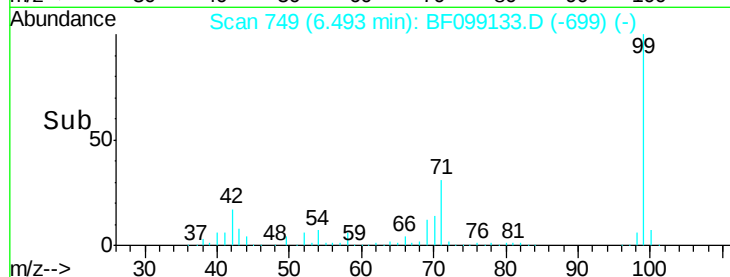
71 30.7 25.4 38.0



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: 3.14 ng

RT: 6.64 min Scan# 774

Delta R.T. 0.22 min

Lab File: BF099133.D

Acq: 6 Oct 2017 7:16

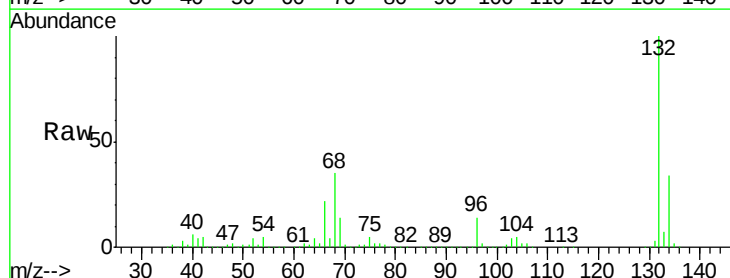
Tgt Ion: 77 Resp: 16831

Ion Ratio Lower Upper

77 100

105 85.4 81.1 121.1

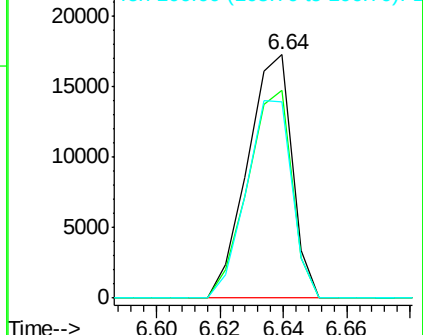
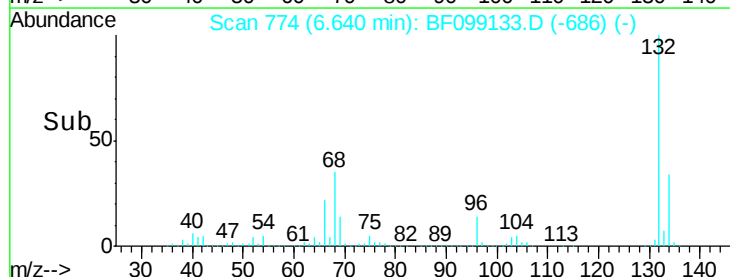
106 80.8 74.5 114.5



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

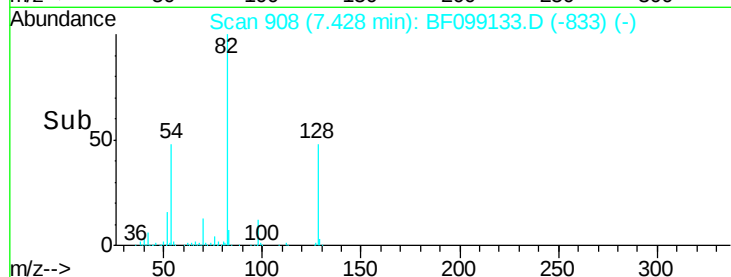
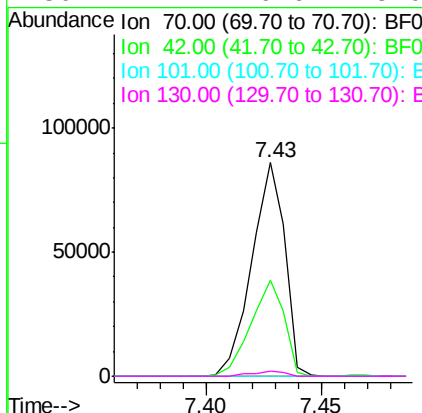
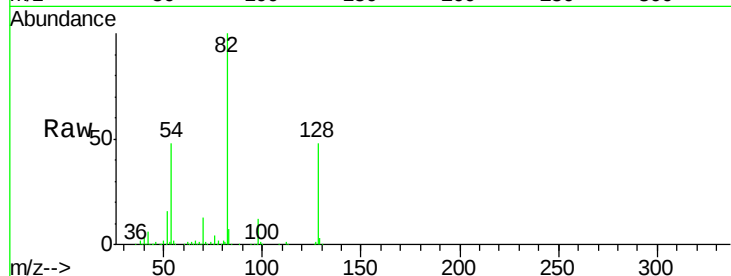




#19
n-Nitroso-di-n-propylamine
Concen: 14.56 ng
RT: 7.43 min Scan# 908
Delta R.T. 0.14 min
Lab File: BF099133.D
Acq: 6 Oct 2017 7:16

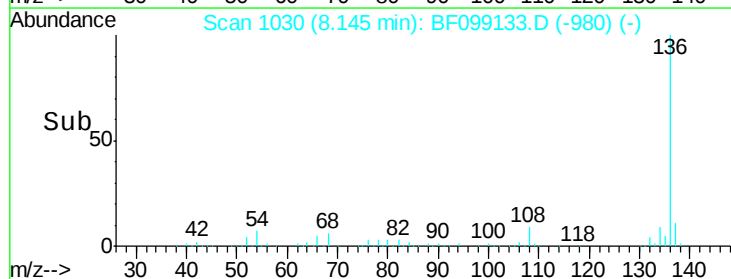
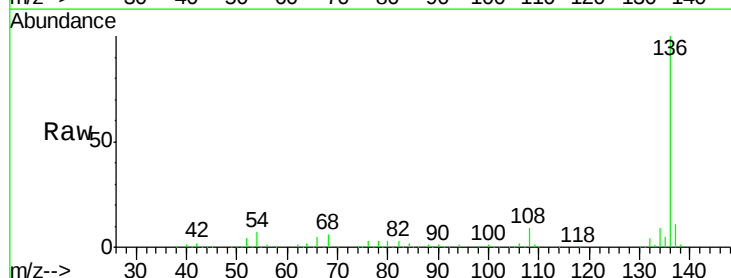
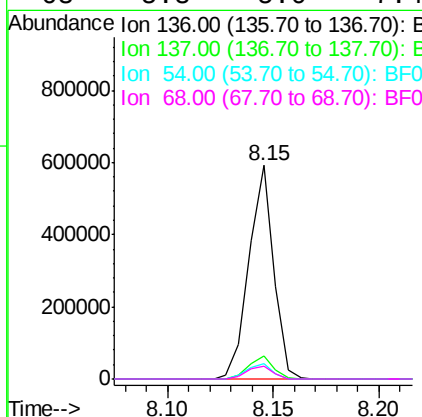
Instrument :
BNA_F
ClientSampleId :

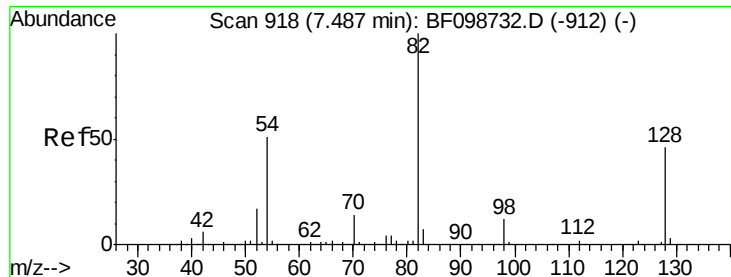
Tot Ion: 70 Resp: 86018
Ion Ratio Lower Upper
70 100
42 45.2 47.5 71.3#
101 0.0 7.4 11.2#
130 2.4 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.15 min Scan# 1030
Delta R.T. -0.01 min
Lab File: BF099133.D
Acq: 6 Oct 2017 7:16

Tgt Ion: 136 Resp: 483665
Ion Ratio Lower Upper
136 100
137 10.9 8.9 13.3
54 7.3 6.6 9.8
68 5.8 5.0 7.4

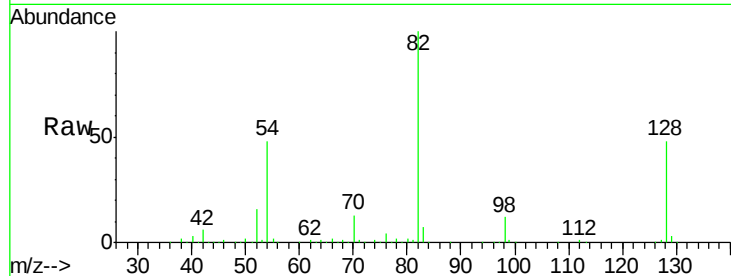




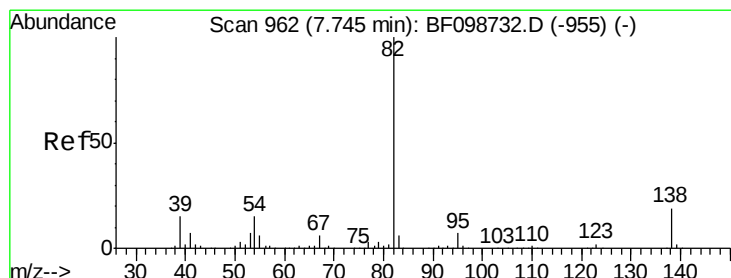
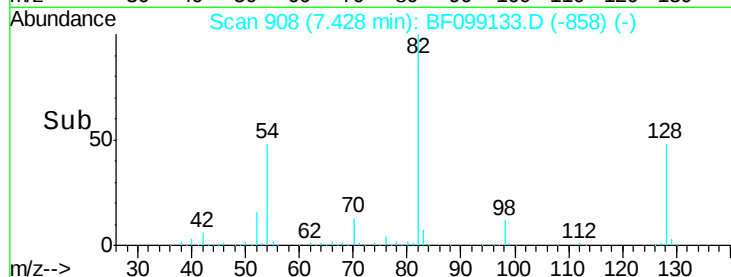
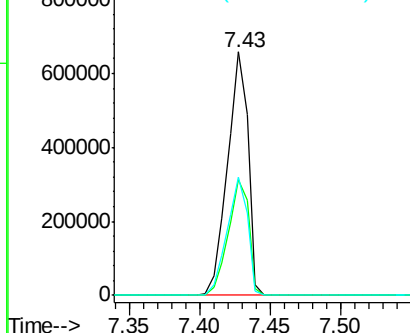
#23
Nitrobenzene-d5
Concen: 88.39 ng
RT: 7.43 min Scan# 908
Delta R.T. -0.01 min
Lab File: BF099133.D
Acq: 6 Oct 2017 7:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion	82	Resp	666596
Ion Ratio	100	Lower	Upper
128	47.7	36.1	54.1
54	48.4	41.4	62.2

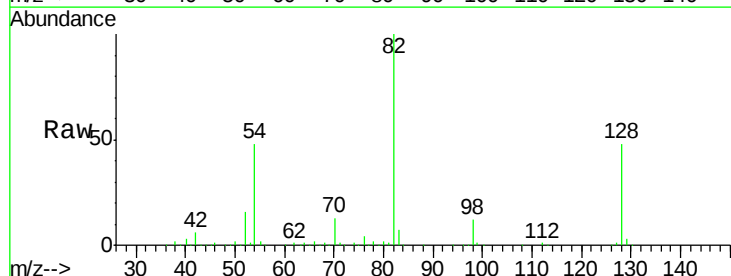


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): BF0
Ion 54.00 (53.70 to 54.70): BF0

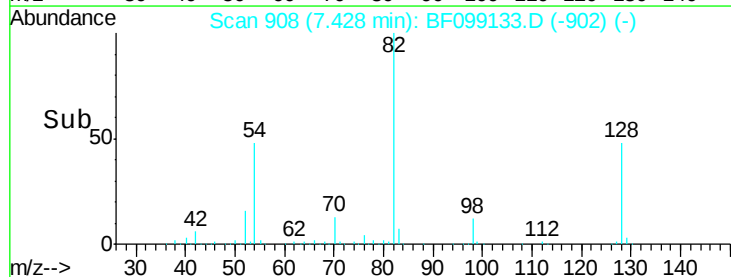
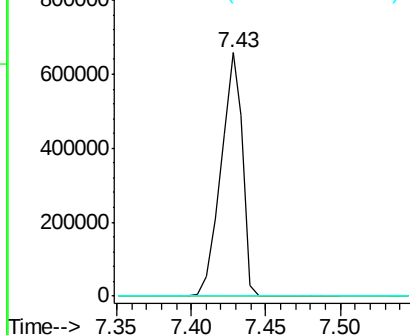


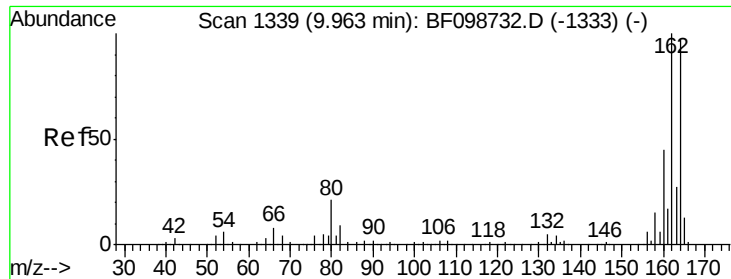
#25
Isophorone
Concen: 42.75 ng
RT: 7.43 min Scan# 908
Delta R.T. -0.26 min
Lab File: BF099133.D
Acq: 6 Oct 2017 7:16

Tgt Ion	82	Resp	666583
Ion Ratio	100	Lower	Upper
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

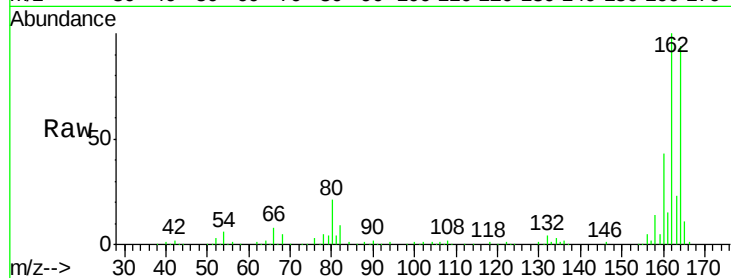




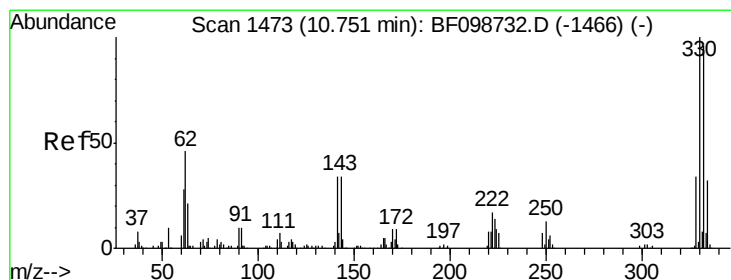
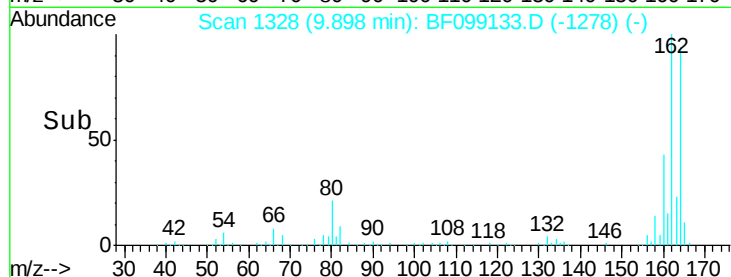
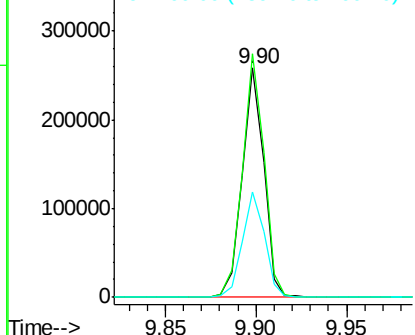
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.01 min
Lab File: BF099133.D
Acq: 6 Oct 2017 7:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 213139
Ion Ratio Lower Upper
164 100
162 106.2 86.1 129.1
160 45.9 38.3 57.5

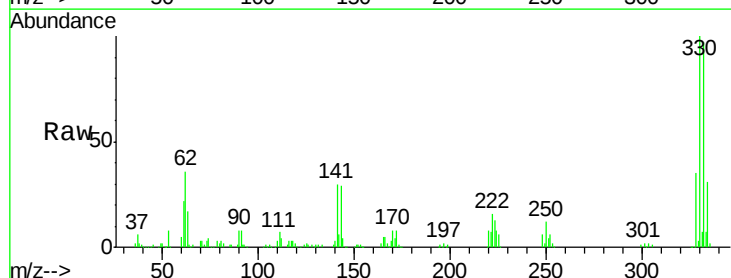


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

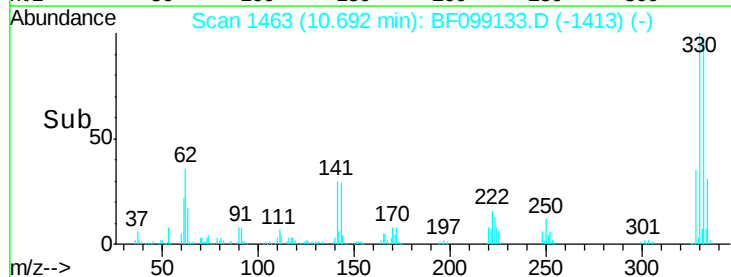
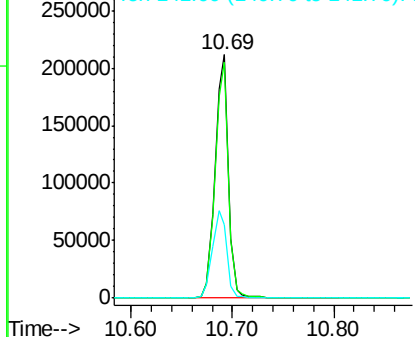


#41
2,4,6-Tribromophenol
Concen: 111.97 ng
RT: 10.69 min Scan# 1463
Delta R.T. -0.01 min
Lab File: BF099133.D
Acq: 6 Oct 2017 7:16

Tgt Ion:330 Resp: 195289
Ion Ratio Lower Upper
330 100
332 96.7 77.0 115.6
141 38.8 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



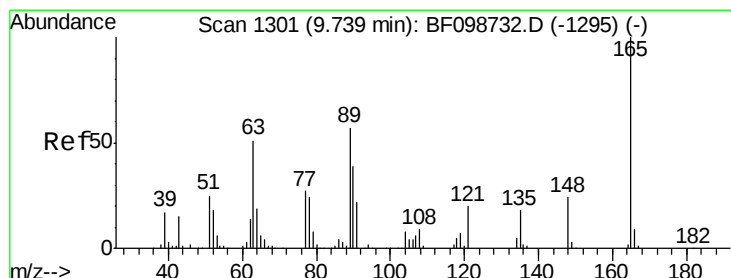
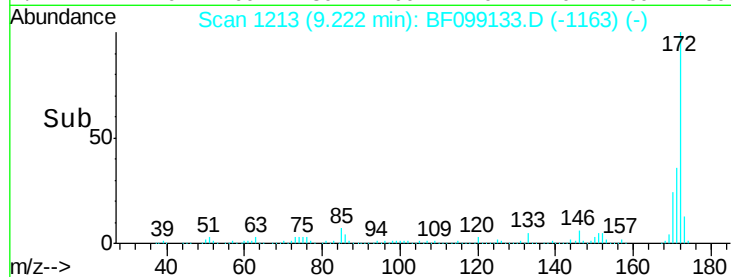
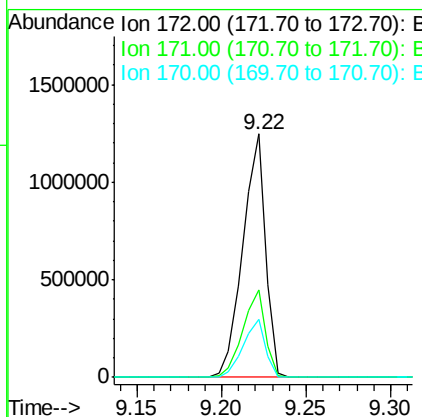
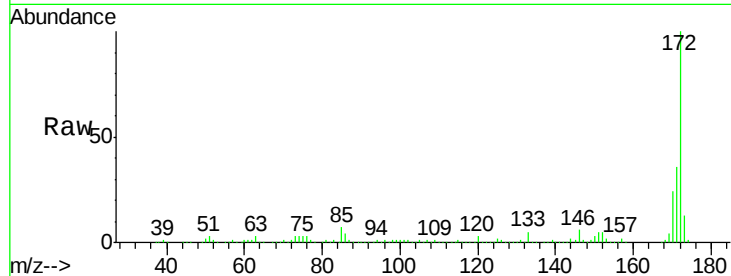


#44
 2-Fluorobiphenyl
 Concen: 92.13 ng
 RT: 9.22 min Scan# 1213
 Delta R.T. -0.01 min
 Lab File: BF099133.D
 Acq: 6 Oct 2017 7:16

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1176194

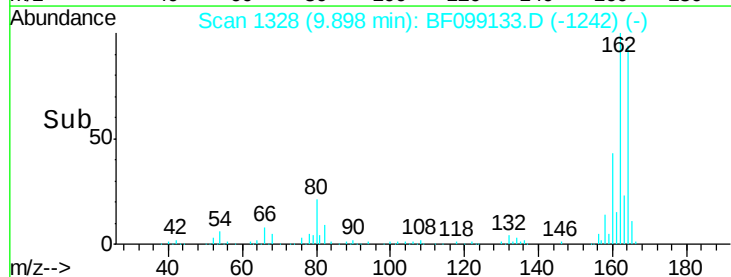
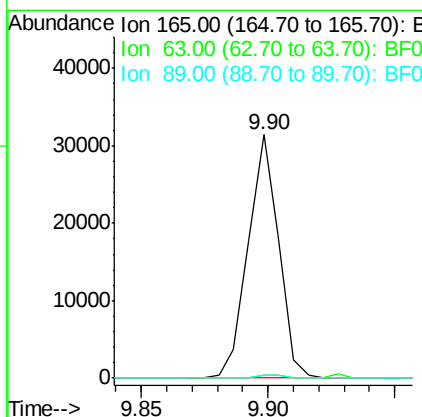
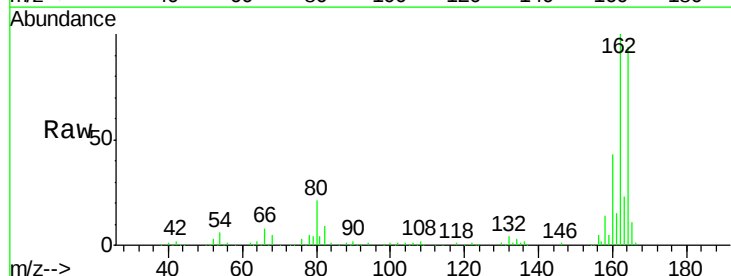
Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.7	44.5
170	23.7	19.6	29.4



#50
 2,6-Dinitrotoluene
 Concen: 7.50 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. 0.21 min
 Lab File: BF099133.D
 Acq: 6 Oct 2017 7:16

Tgt Ion:165 Resp: 26260

Ion	Ratio	Lower	Upper
165	100		
63	1.1	44.7	67.1#
89	1.1	44.0	66.0#

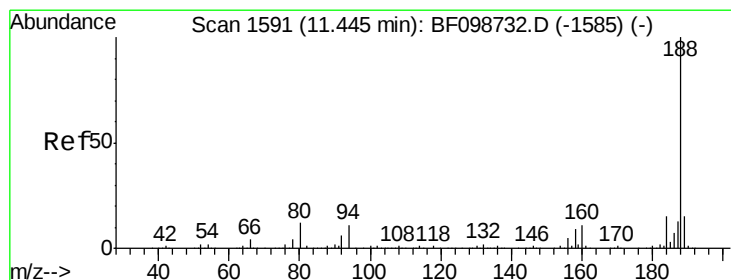
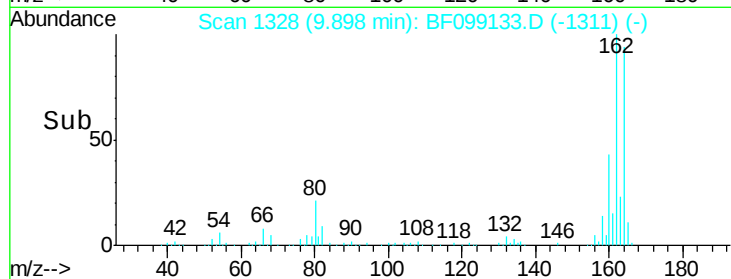
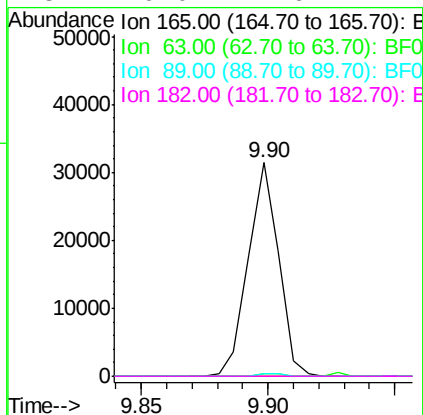
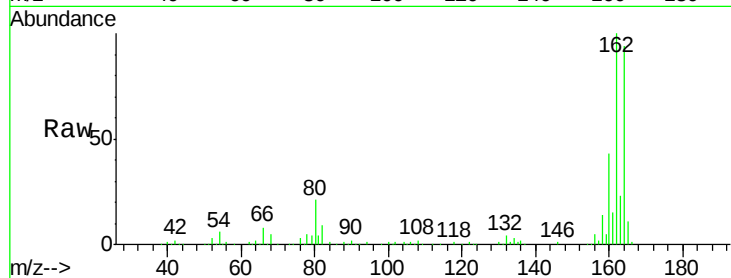




#56
 2,4-Dinitrotoluene
 Concen: 5.78 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. -0.20 min
 Lab File: BF099133.D
 Acq: 6 Oct 2017 7:16

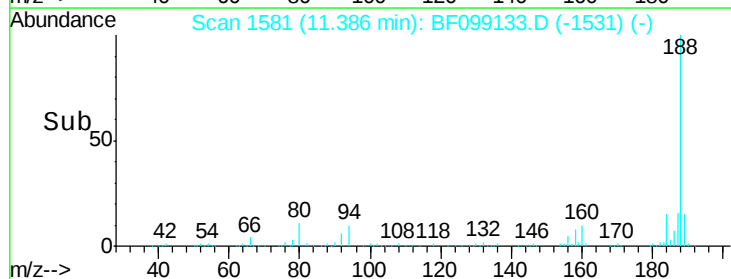
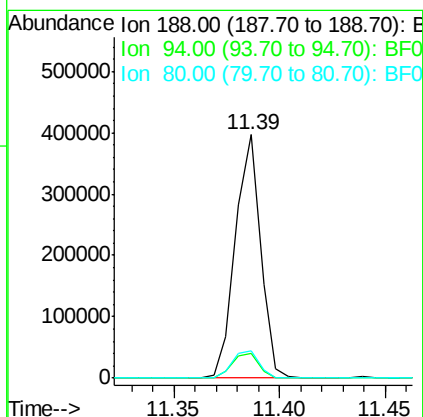
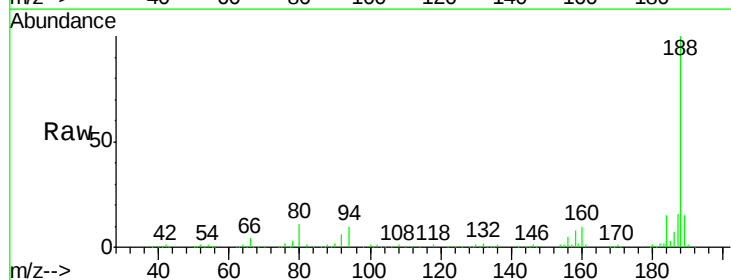
Instrument :
 BNA_F
 ClientSampleId :

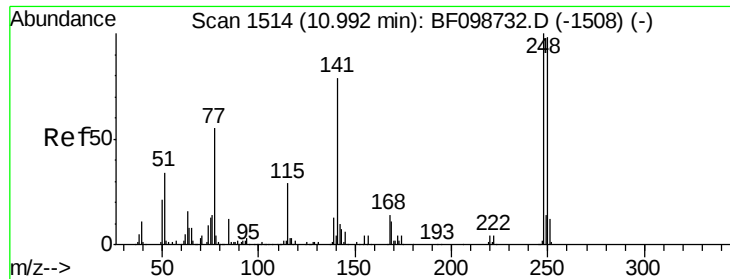
Tot Ion:165	Resp:	26260
Ion Ratio	Lower	Upper
165	100	
63	1.1	36.4 54.6#
89	1.1	57.8 86.6#
182	0.0	1.6 2.4#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.39 min Scan# 1581
 Delta R.T. -0.01 min
 Lab File: BF099133.D
 Acq: 6 Oct 2017 7:16

Tgt Ion:188	Resp:	327631
Ion Ratio	Lower	Upper
188	100	
94	10.3	8.5 12.7
80	11.1	9.2 13.8

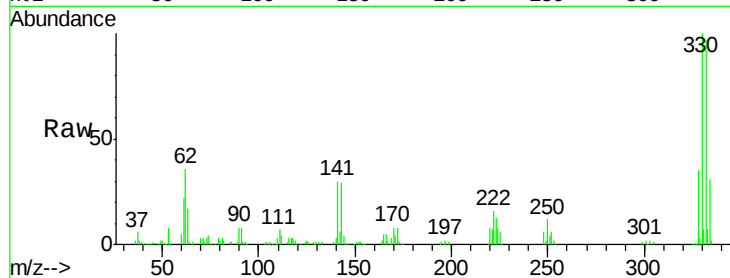




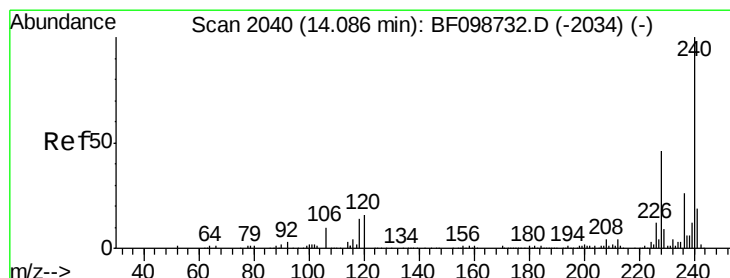
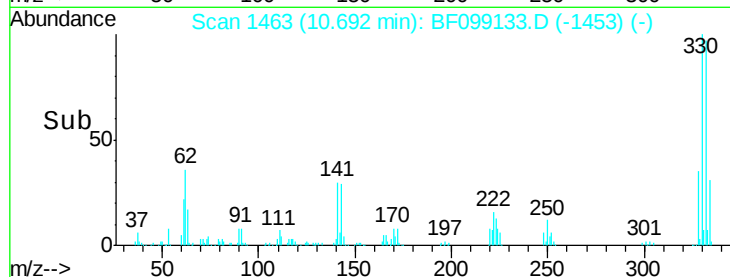
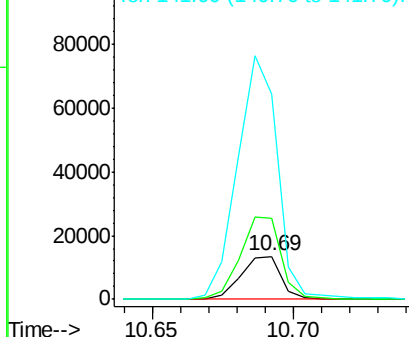
#66
4-Bromophenyl-phenylether
Concen: 4.14 ng
RT: 10.69 min Scan# 1463
Delta R.T. -0.24 min
Lab File: BF099133.D
Acq: 6 Oct 2017 7:16

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 13273
Ion Ratio Lower Upper
248 100
250 187.6 76.9 115.3#
141 476.2 74.4 111.6#

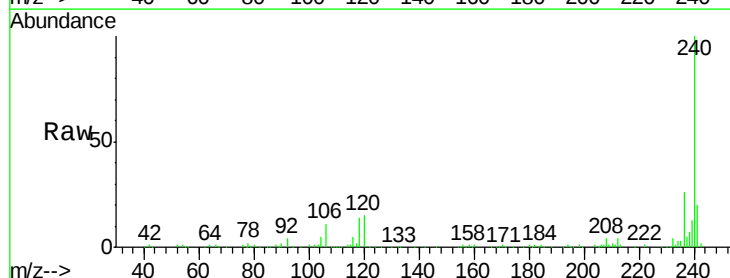


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

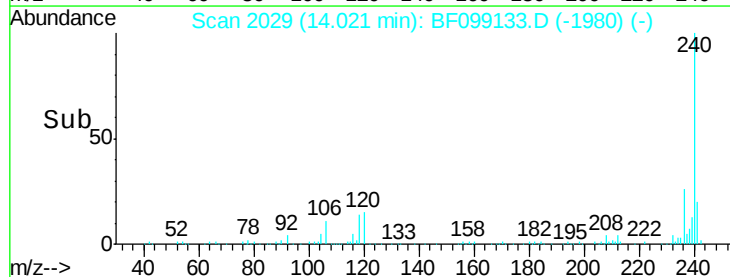
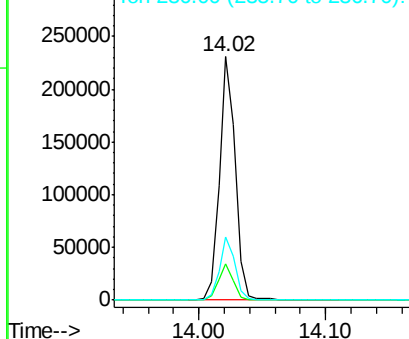


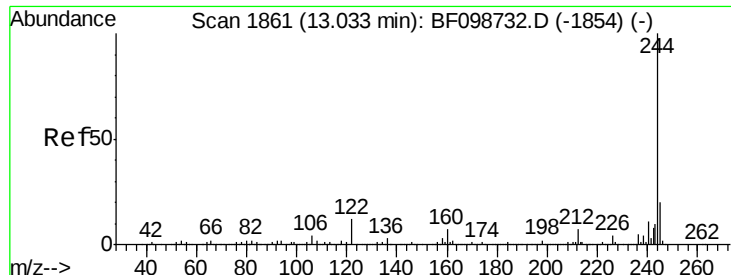
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.02 min Scan# 2029
Delta R.T. -0.01 min
Lab File: BF099133.D
Acq: 6 Oct 2017 7:16

Tgt Ion:240 Resp: 202401
Ion Ratio Lower Upper
240 100
120 14.7 9.5 14.3#
236 25.7 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: 85.36 ng

RT: 12.97 min Scan# 1850

Delta R.T. -0.01 min

Lab File: BF099133.D

Acq: 6 Oct 2017 7:16

Instrument :

BNA_F

ClientSampled :

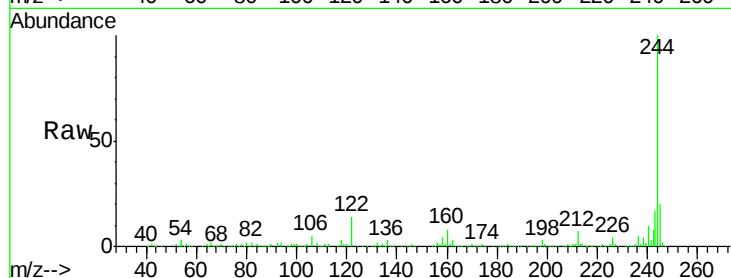
Tot Ion:244 Resp: 759655

Ion Ratio Lower Upper

244 100

212 7.2 5.4 8.0

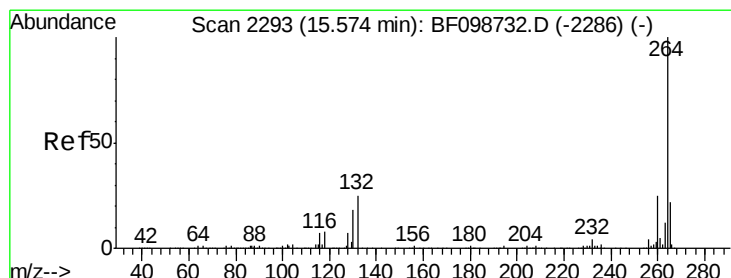
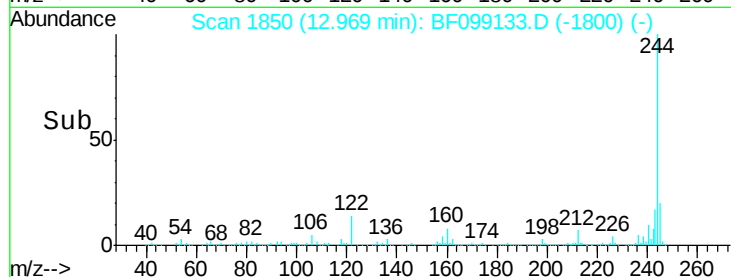
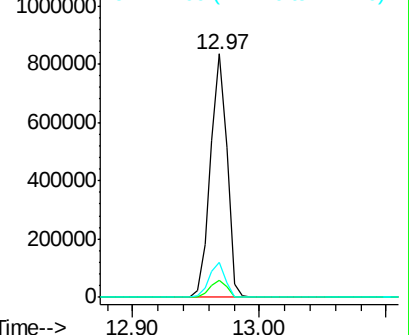
122 14.2 11.0 16.4



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: 20.00 ng

RT: 15.50 min Scan# 2280

Delta R.T. -0.01 min

Lab File: BF099133.D

Acq: 6 Oct 2017 7:16

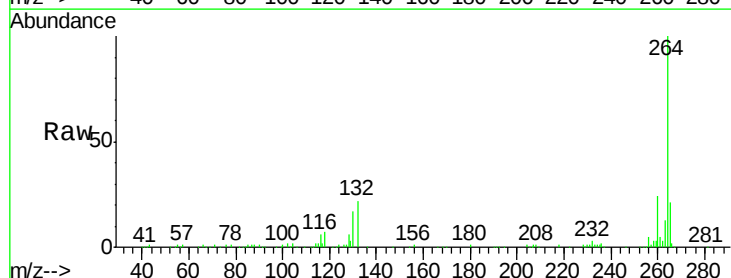
Tgt Ion:264 Resp: 206376

Ion Ratio Lower Upper

264 100

260 23.9 19.2 28.8

265 21.3 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

