

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100717\
 Data File : BF099190.D
 Acq On : 7 Oct 2017 13:18
 Operator : SJ/JU
 Sample : I5604-03
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 08 03:33:08 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

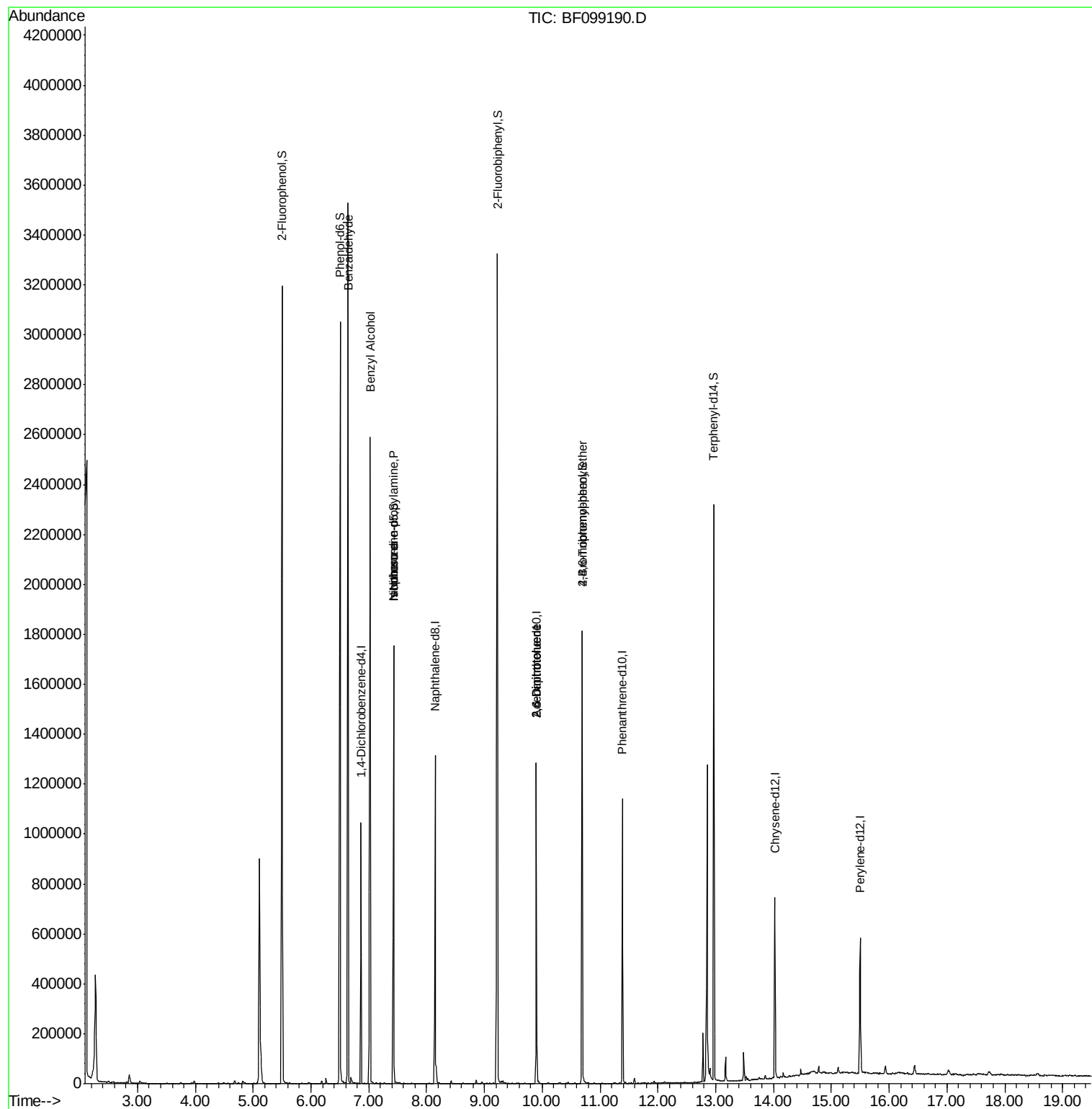
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	141517	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	573802	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	238069	20.00	ng	0.00
63) Phenanthrene-d10	11.39	188	370980	20.00	ng	0.00
75) Chrysene-d12	14.02	240	241739	20.00	ng	-0.01
86) Perylene-d12	15.50	264	227836	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	1120033	125.99	ng	0.02
7) Phenol-d6	6.50	99	1339531	122.15	ng	0.00
23) Nitrobenzene-d5	7.43	82	616293	68.88	ng	0.00
41) 2,4,6-Tribromophenol	10.69	330	223565	114.76	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	1096148	76.87	ng	0.00
78) Terphenyl-d14	12.97	244	686517	64.59	ng	0.00
Target Compounds						
9) Benzaldehyde	6.64	77	21724	3.415	ng	90
15) Benzyl Alcohol	7.02	79	17678	2.197	ng	# 37
19) n-Nitroso-di-n-propylamine	7.43	70	79570	11.364	ng	# 74
25) Isophorone	7.43	82	616288	33.315	ng	# 64
50) 2,6-Dinitrotoluene	9.90	165	30066	7.686	ng	# 25
56) 2,4-Dinitrotoluene	9.90	165	30066	5.922	ng	# 23
66) 4-Bromophenyl-phenylether	10.69	248	14735	4.058	ng	# 1

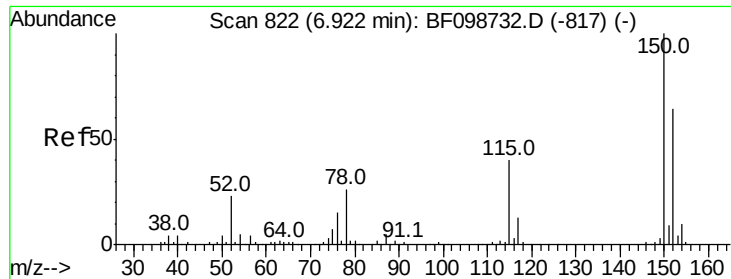
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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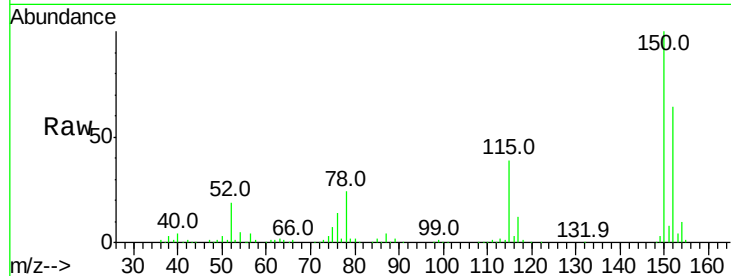


#1

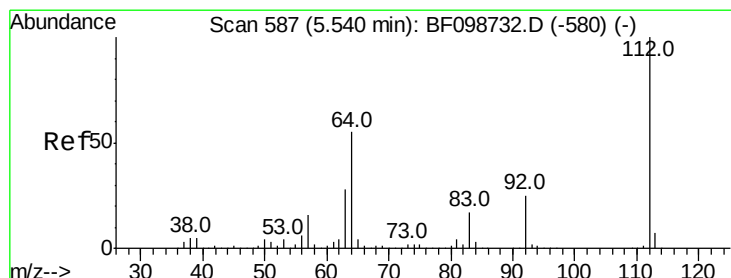
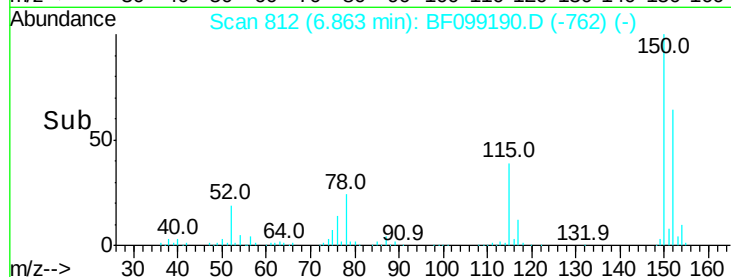
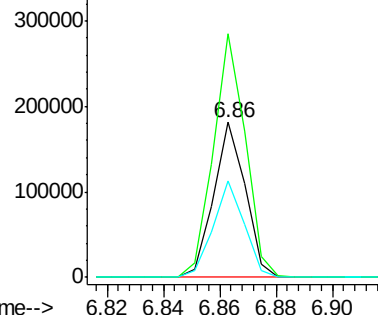
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 812
Delta R.T. -0.01 min
Lab File: BF099190.D
Acq: 7 Oct 2017 13:18

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 141517
Ion Ratio Lower Upper
152 100
150 156.8 124.6 186.8
115 61.7 50.1 75.1



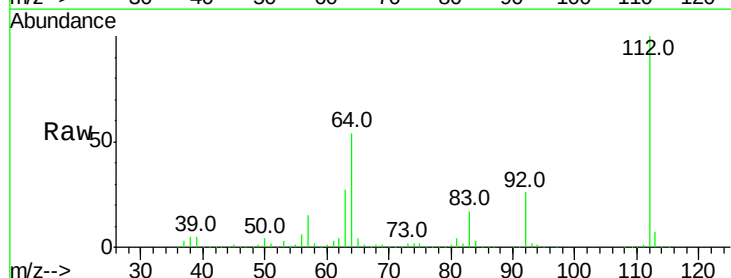
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



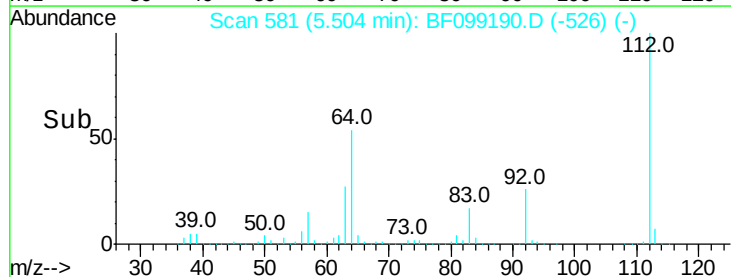
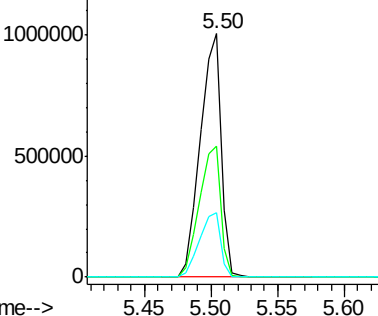
#5

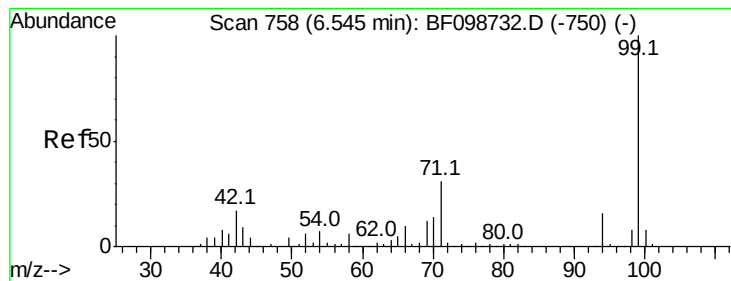
2-Fluorophenol
Concen: 125.991 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.02 min
Lab File: BF099190.D
Acq: 7 Oct 2017 13:18

Tgt Ion:112 Resp: 1120033
Ion Ratio Lower Upper
112 100
64 53.9 47.9 71.9
63 26.6 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: 122.147 ng

RT: 6.50 min Scan# 751

Delta R.T. 0.01 min

Lab File: BF099190.D

Acq: 7 Oct 2017 13:18

Instrument :

BNA_F

ClientSampleId :

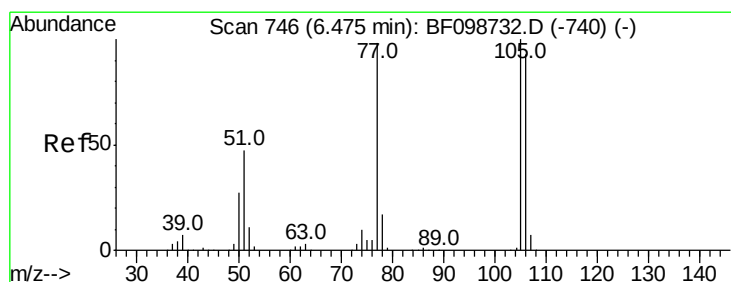
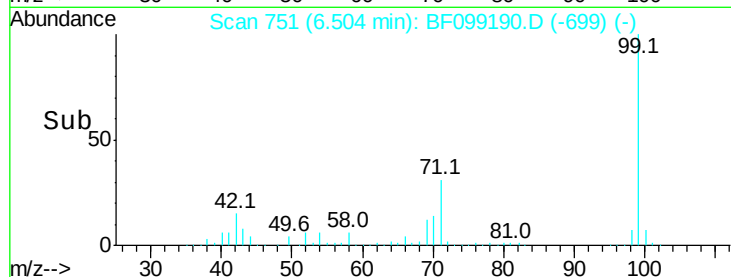
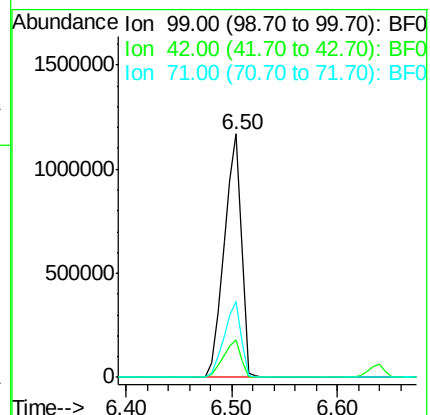
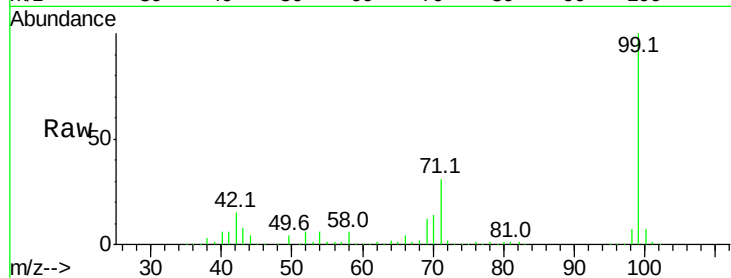
Tot Ion: 99 Resp: 1339531

Ion Ratio Lower Upper

99 100

42 15.2 14.5 21.7

71 31.3 25.4 38.0



#9

Benzaldehyde

Concen: 3.415 ng

RT: 6.64 min Scan# 774

Delta R.T. 0.22 min

Lab File: BF099190.D

Acq: 7 Oct 2017 13:18

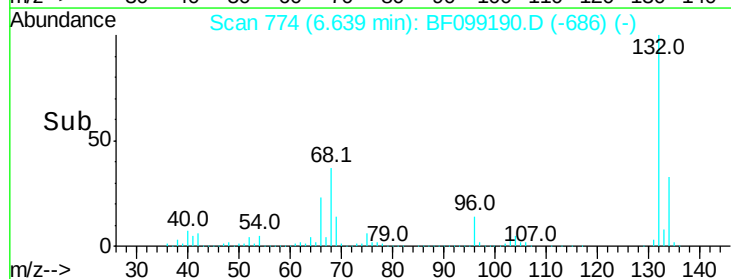
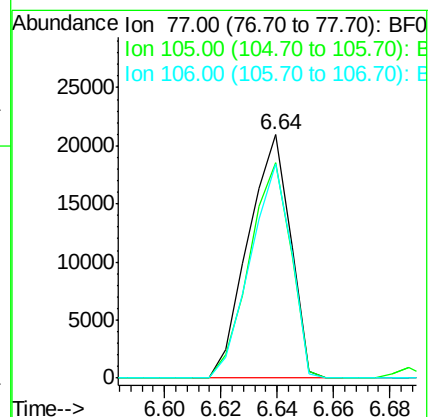
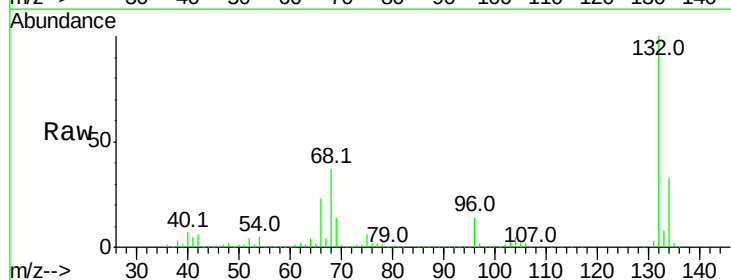
Tgt Ion: 77 Resp: 21724

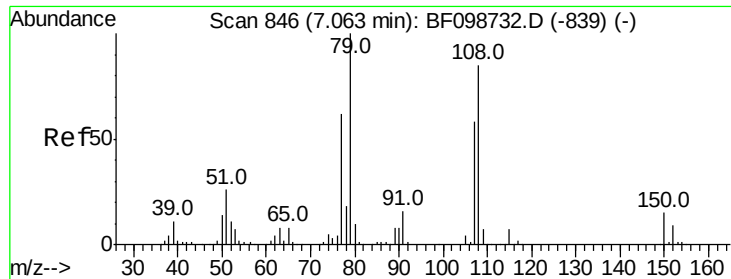
Ion Ratio Lower Upper

77 100

105 88.5 81.1 121.1

106 87.7 74.5 114.5





#15

Benzyl Alcohol

Concen: 2.197 ng

RT: 7.02 min Scan# 839

Delta R.T. 0.01 min

Lab File: BF099190.D

Acq: 7 Oct 2017 13:18

Instrument :

BNA_F

ClientSampled :

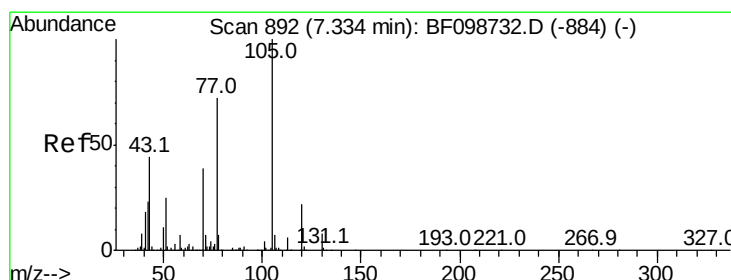
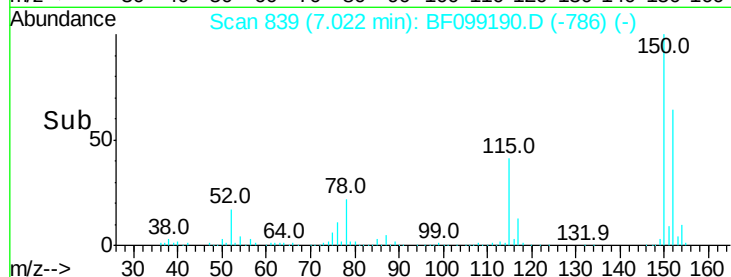
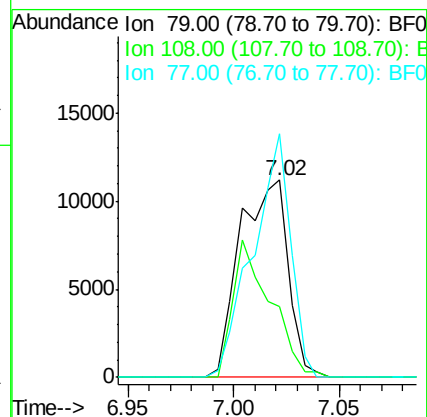
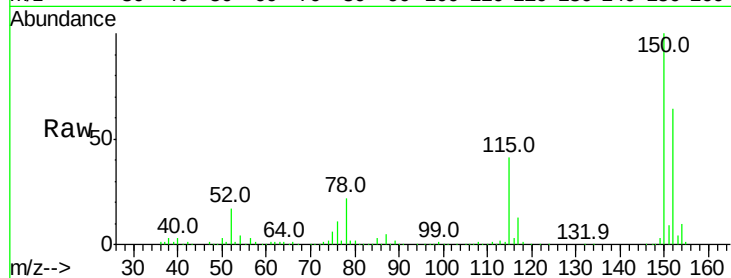
Tot Ion: 79 Resp: 17678

Ion Ratio Lower Upper

79 100

108 35.6 65.1 97.7#

77 123.3 50.6 75.8#



#19

n-Nitroso-di-n-propylamine

Concen: 11.364 ng

RT: 7.43 min Scan# 908

Delta R.T. 0.14 min

Lab File: BF099190.D

Acq: 7 Oct 2017 13:18

Tgt Ion: 70 Resp: 79570

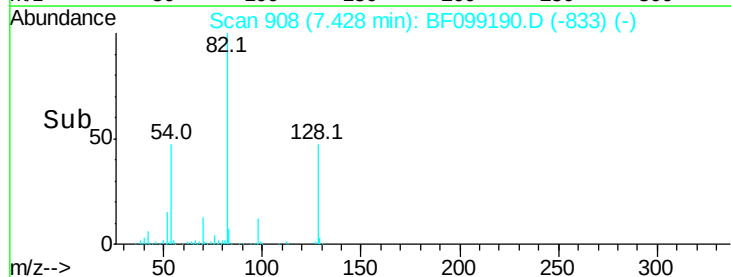
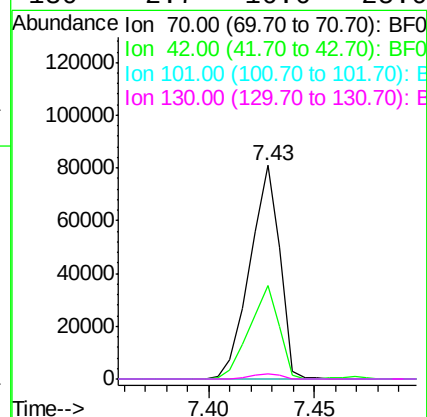
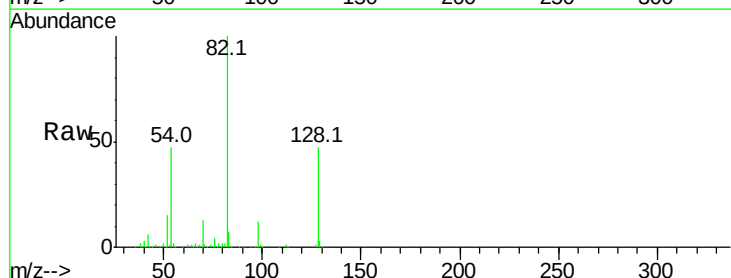
Ion Ratio Lower Upper

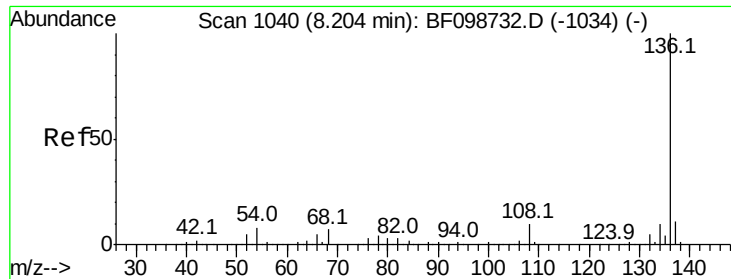
70 100

42 43.7 47.5 71.3#

101 0.0 7.4 11.2#

130 2.7 16.6 25.0#

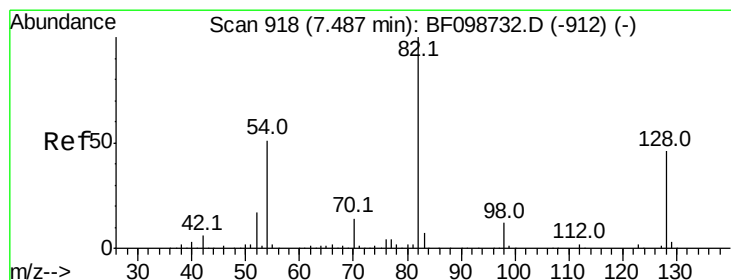
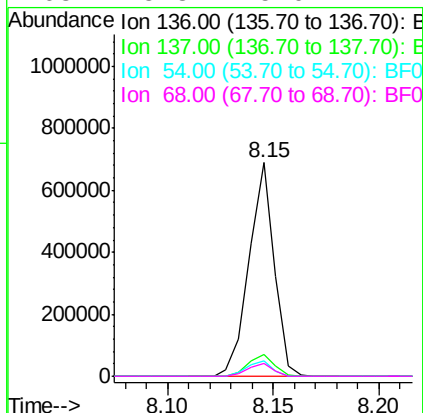
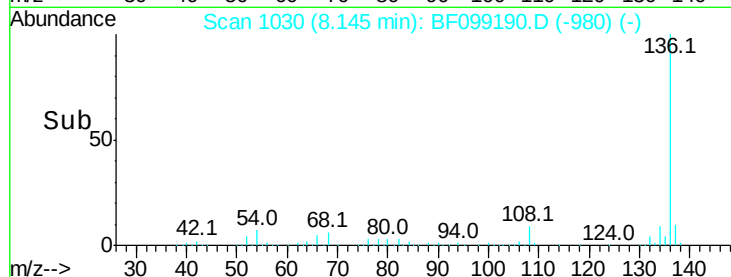
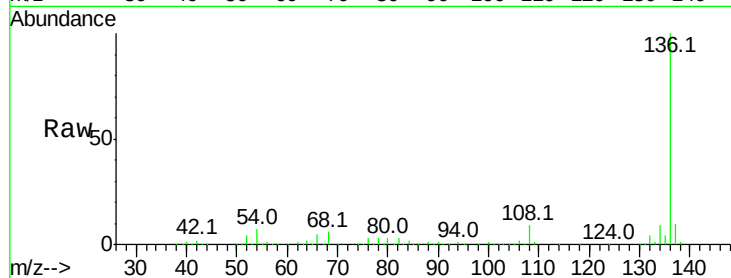




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1030
Delta R.T. -0.01 min
Lab File: BF099190.D
Acq: 7 Oct 2017 13:18

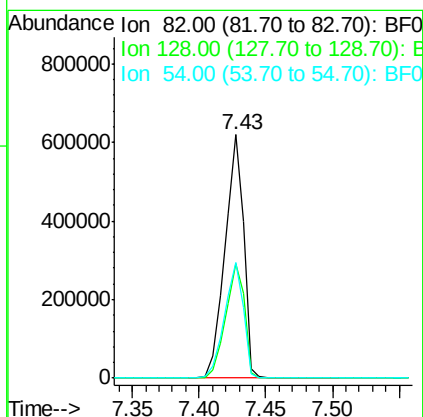
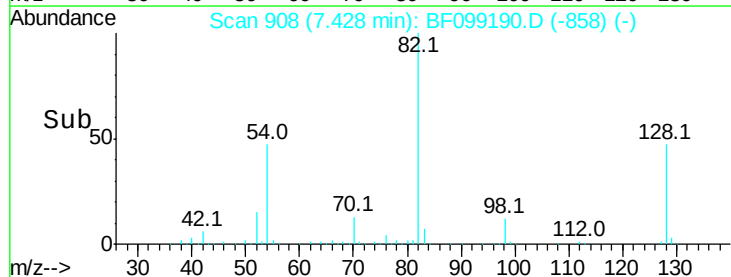
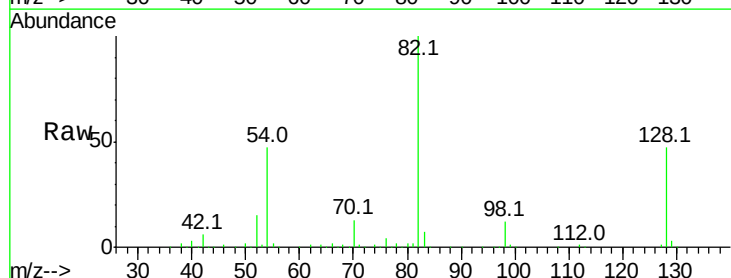
Instrument :
BNA_F
ClientSampleId :

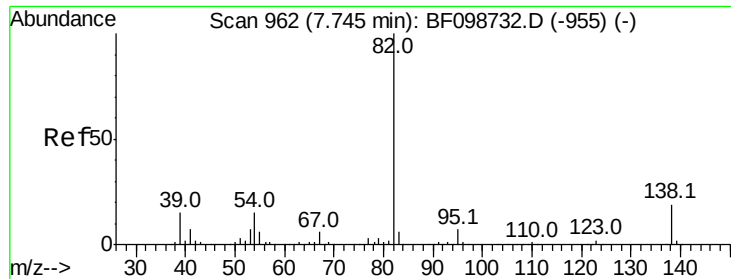
Tot Ion:136	Resp:	573802
Ion	Ratio	Lower Upper
136	100	
137	10.5	8.9 13.3
54	7.2	6.6 9.8
68	5.8	5.0 7.4



#23
Nitrobenzene-d5
Concen: 68.879 ng
RT: 7.43 min Scan# 908
Delta R.T. -0.01 min
Lab File: BF099190.D
Acq: 7 Oct 2017 13:18

Tgt Ion: 82	Resp:	616293
Ion	Ratio	Lower Upper
82	100	
128	47.1	36.1 54.1
54	47.4	41.4 62.2





#25

Isophorone

Concen: 33.315 ng

RT: 7.43 min Scan# 908

Delta R.T. -0.26 min

Lab File: BF099190.D

Acq: 7 Oct 2017 13:18

Instrument :

BNA_F

ClientSampleId :

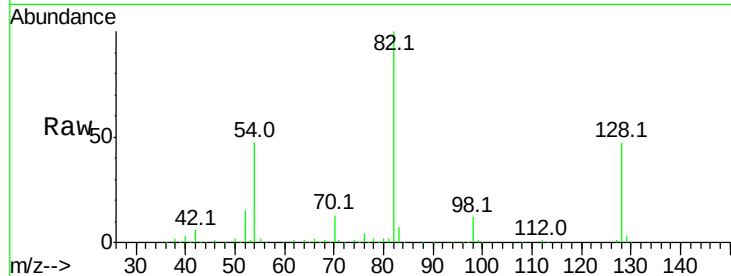
Tot Ion: 82 Resp: 616288

Ion Ratio Lower Upper

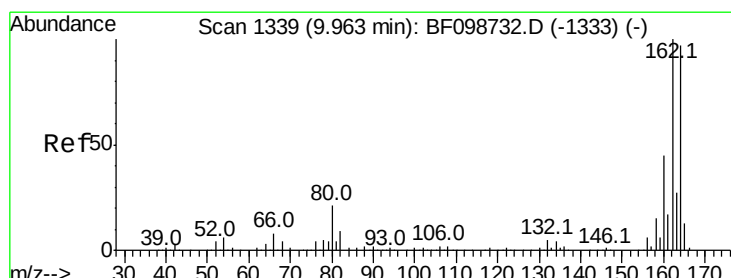
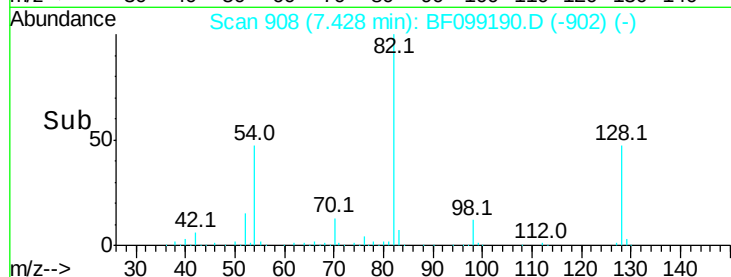
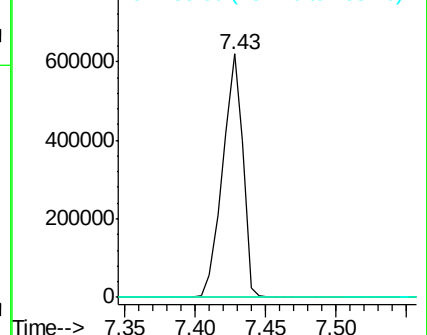
82 100

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): E



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.90 min Scan# 1328

Delta R.T. -0.01 min

Lab File: BF099190.D

Acq: 7 Oct 2017 13:18

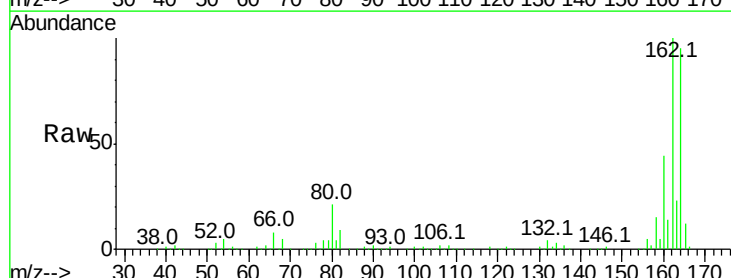
Tgt Ion:164 Resp: 238069

Ion Ratio Lower Upper

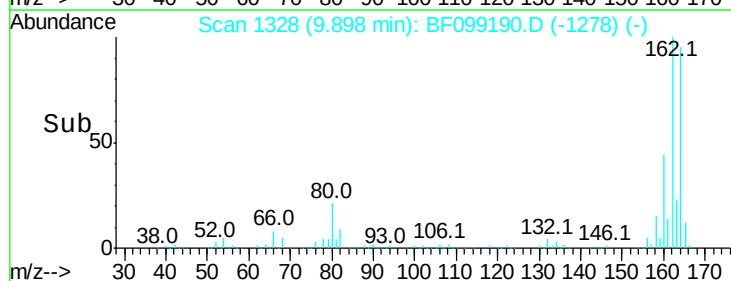
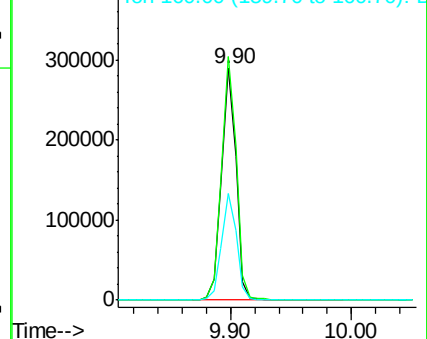
164 100

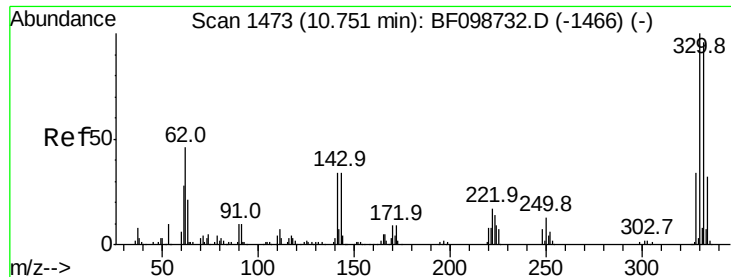
162 105.1 86.1 129.1

160 45.8 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

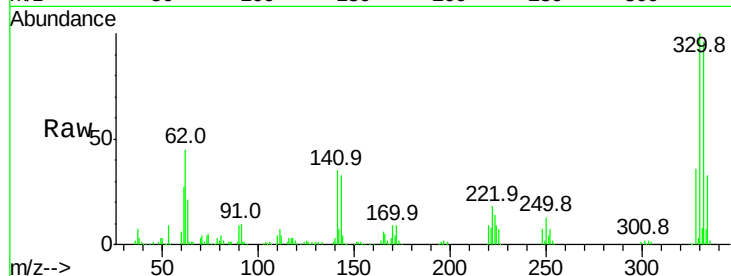




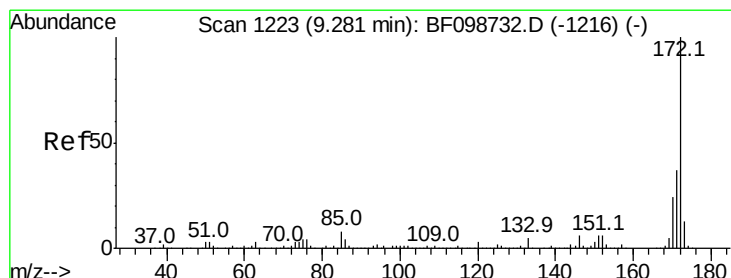
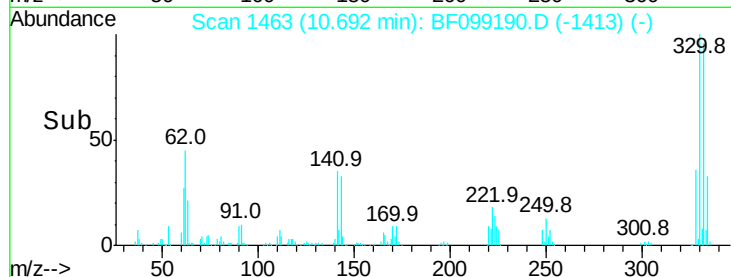
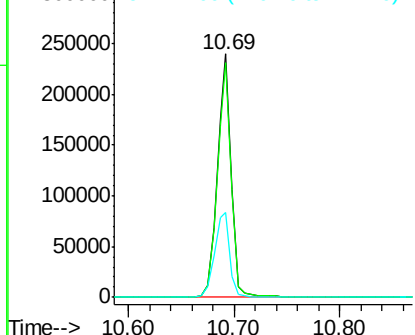
#41
 2,4,6-Tribromophenol
 Concen: 114.763 ng
 RT: 10.69 min Scan# 1463
 Delta R.T. -0.01 min
 Lab File: BF099190.D
 Acq: 7 Oct 2017 13:18

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.0	77.0	115.6
141	38.6	29.9	44.9

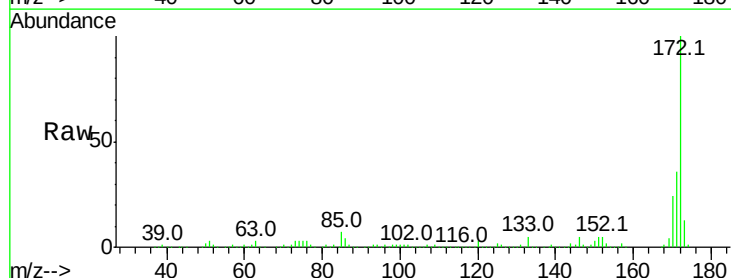


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

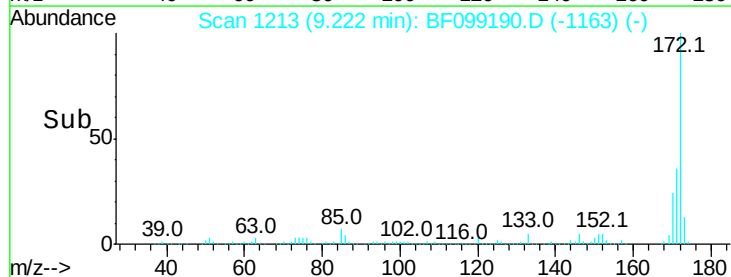
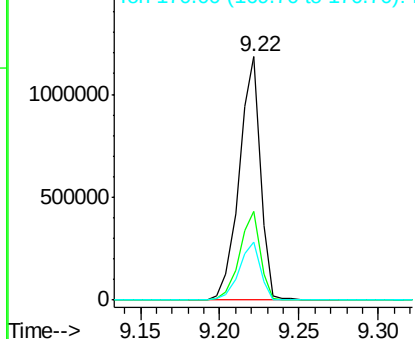


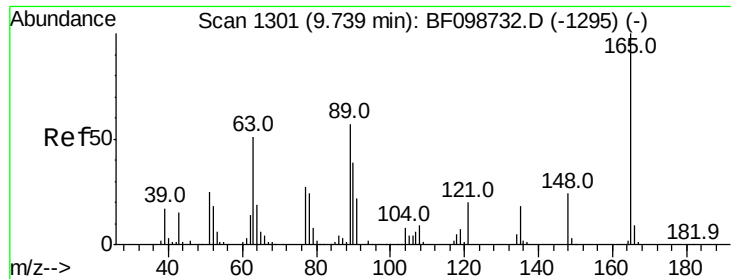
#44
 2-Fluorobiphenyl
 Concen: 76.865 ng
 RT: 9.22 min Scan# 1213
 Delta R.T. -0.01 min
 Lab File: BF099190.D
 Acq: 7 Oct 2017 13:18

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	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

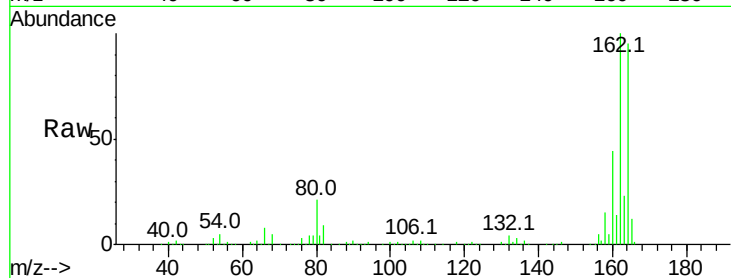




#50
 2,6-Dinitrotoluene
 Concen: 7.686 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. 0.21 min
 Lab File: BF099190.D
 Acq: 7 Oct 2017 13:18

Instrument :
 BNA_F
 ClientSampleId :

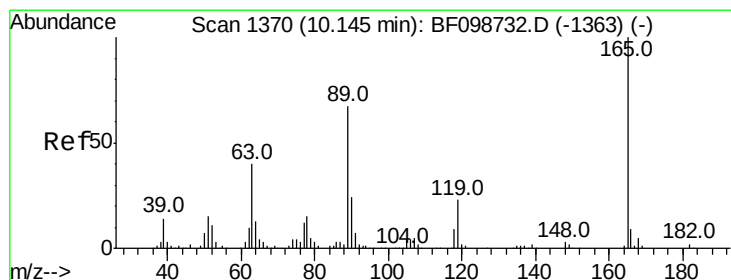
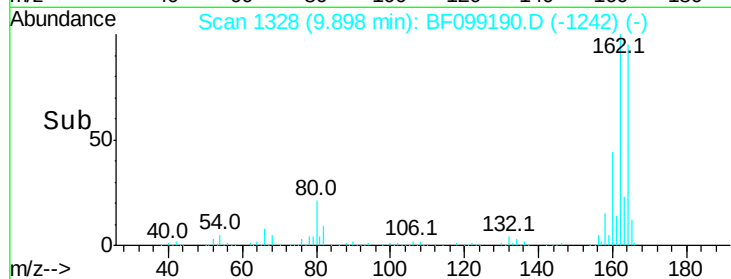
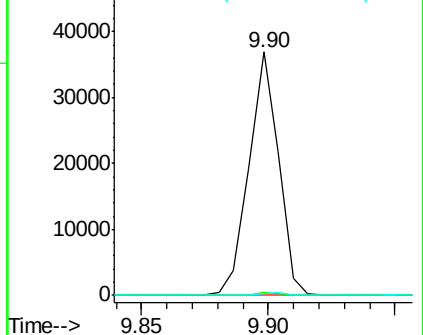
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.1	44.7	67.1#
89	0.9	44.0	66.0#



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: 5.922 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. -0.20 min
 Lab File: BF099190.D
 Acq: 7 Oct 2017 13:18

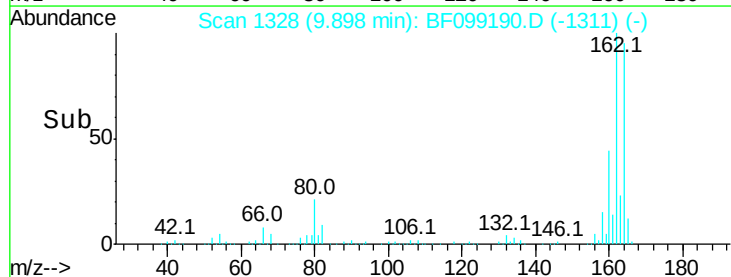
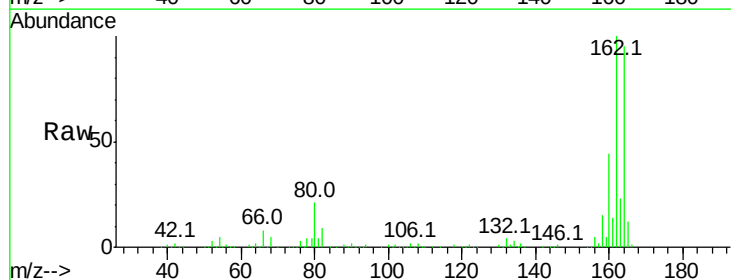
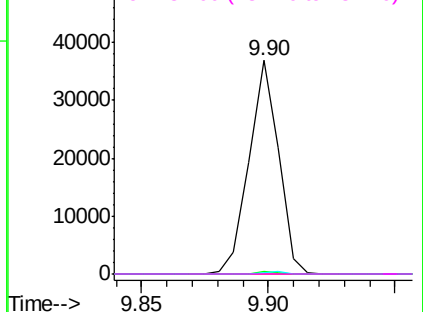
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	36.4	54.6#
89	0.9	57.8	86.6#
182	0.0	1.6	2.4#

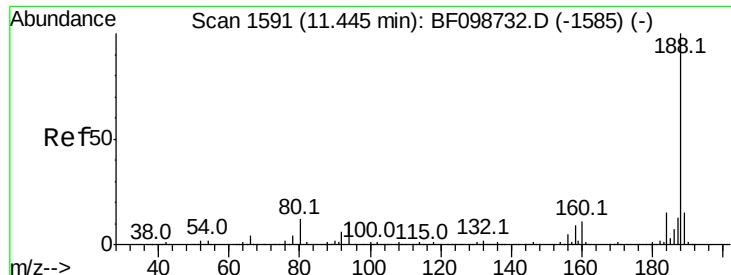
Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.39 min Scan# 1581

Delta R.T. -0.01 min

Lab File: BF099190.D

Acq: 7 Oct 2017 13:18

Instrument :

BNA_F

ClientSampleId :

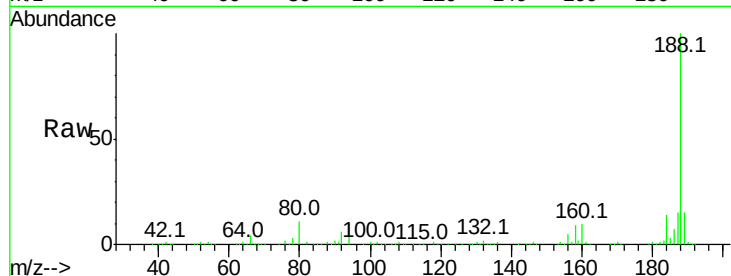
Tot Ion:188 Resp: 370980

Ion Ratio Lower Upper

188 100

94 10.2 8.5 12.7

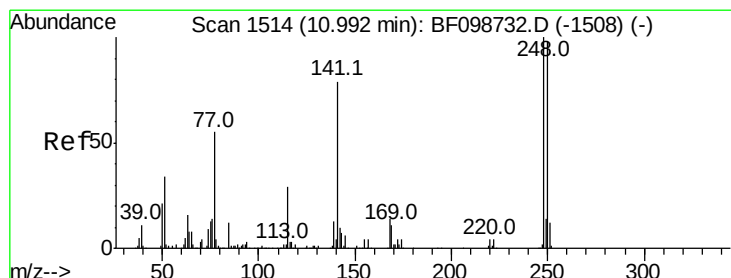
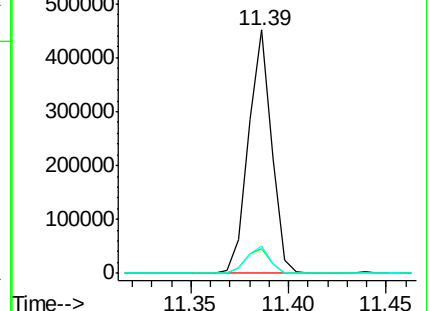
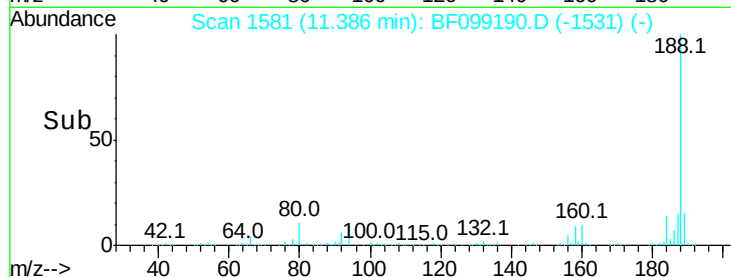
80 11.2 9.2 13.8



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: 4.058 ng

RT: 10.69 min Scan# 1463

Delta R.T. -0.24 min

Lab File: BF099190.D

Acq: 7 Oct 2017 13:18

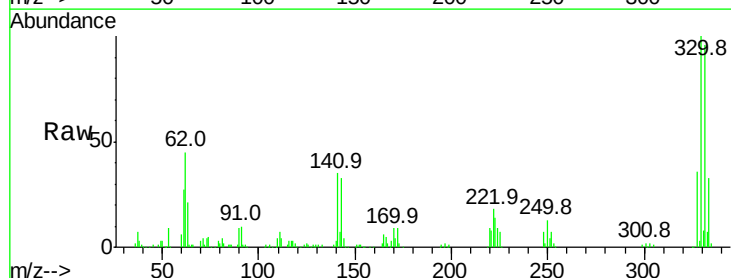
Tgt Ion:248 Resp: 14735

Ion Ratio Lower Upper

248 100

250 201.9 76.9 115.3#

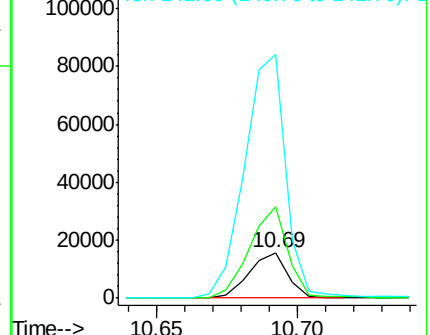
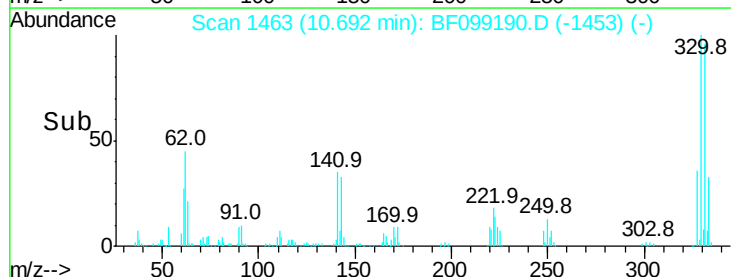
141 535.8 74.4 111.6#

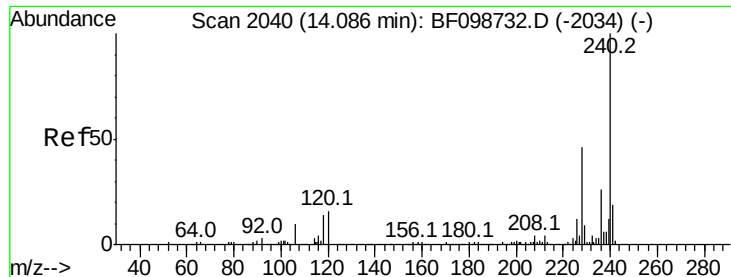


Abundance Ion 248.00 (247.70 to 248.70): E

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: 14.02 min Scan# 2029

Delta R.T. -0.01 min

Lab File: BF099190.D

Acq: 7 Oct 2017 13:18

Instrument :

BNA_F

ClientSampleId :

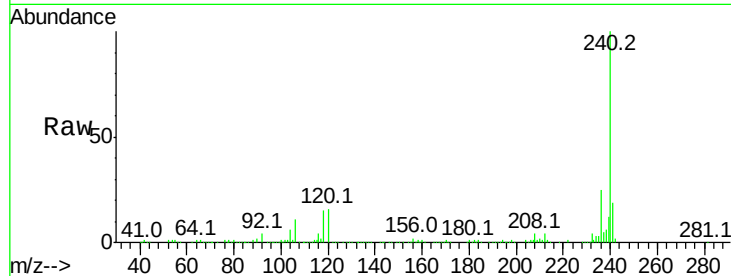
Tot Ion:240 Resp: 241739

Ion Ratio Lower Upper

240 100

120 16.4 9.5 14.3#

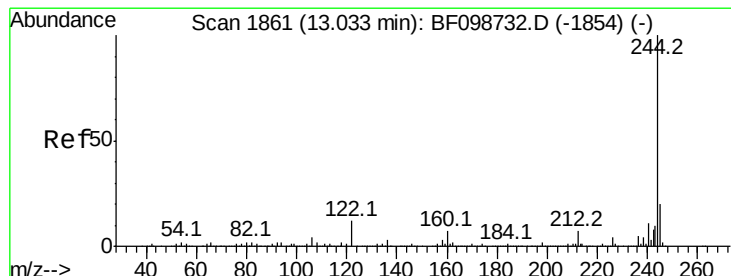
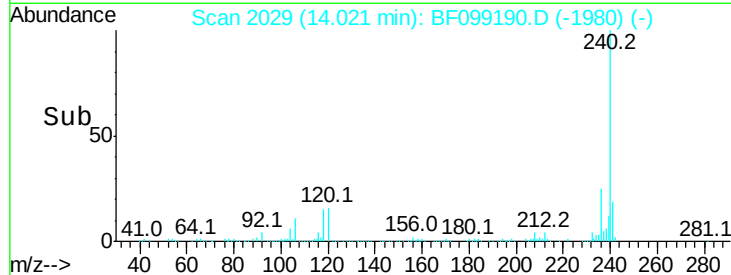
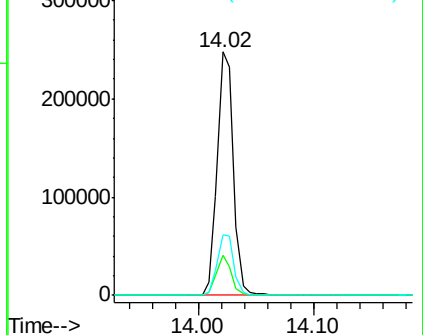
236 25.1 20.7 31.1



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: 64.585 ng

RT: 12.97 min Scan# 1850

Delta R.T. -0.01 min

Lab File: BF099190.D

Acq: 7 Oct 2017 13:18

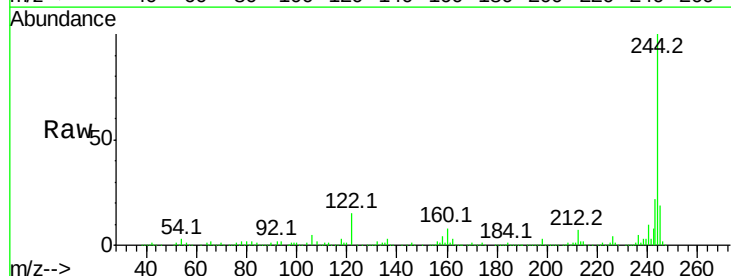
Tgt Ion:244 Resp: 686517

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

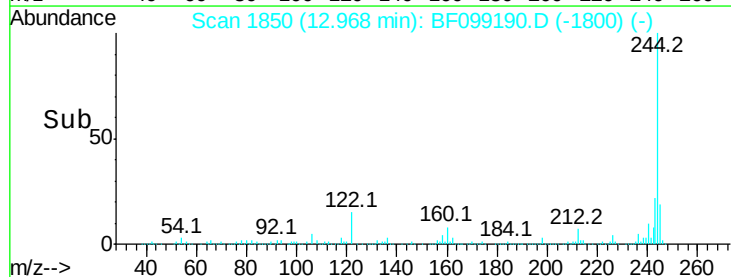
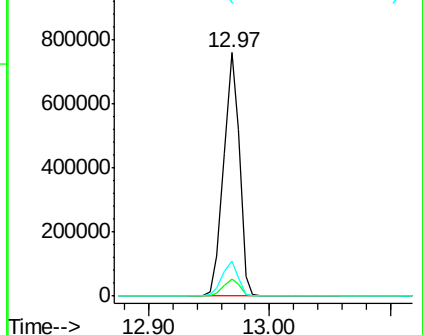
122 14.5 11.0 16.4

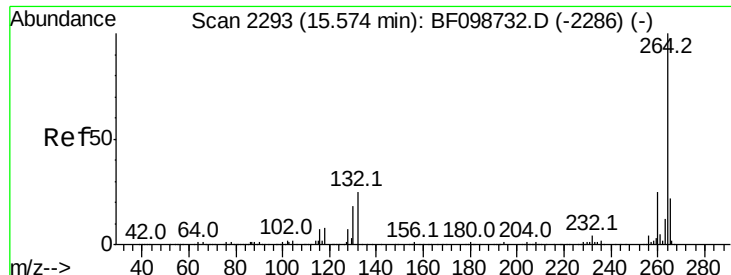


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

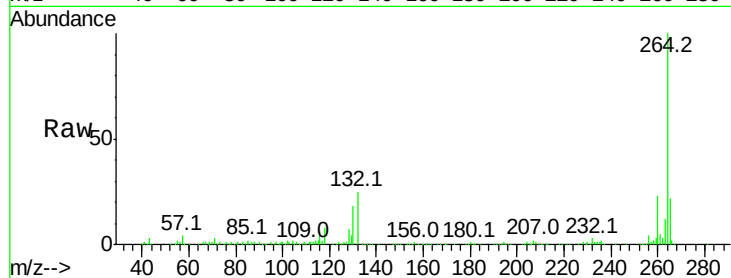




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2280
Delta R.T. -0.01 min
Lab File: BF099190.D
Acq: 7 Oct 2017 13:18

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.9	19.2	28.8
265	21.6	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

