

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101017\
 Data File : BF099333.D
 Acq On : 11 Oct 2017 8:02
 Operator : SJ/JU
 Sample : I5748-09
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 11 08:28:13 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

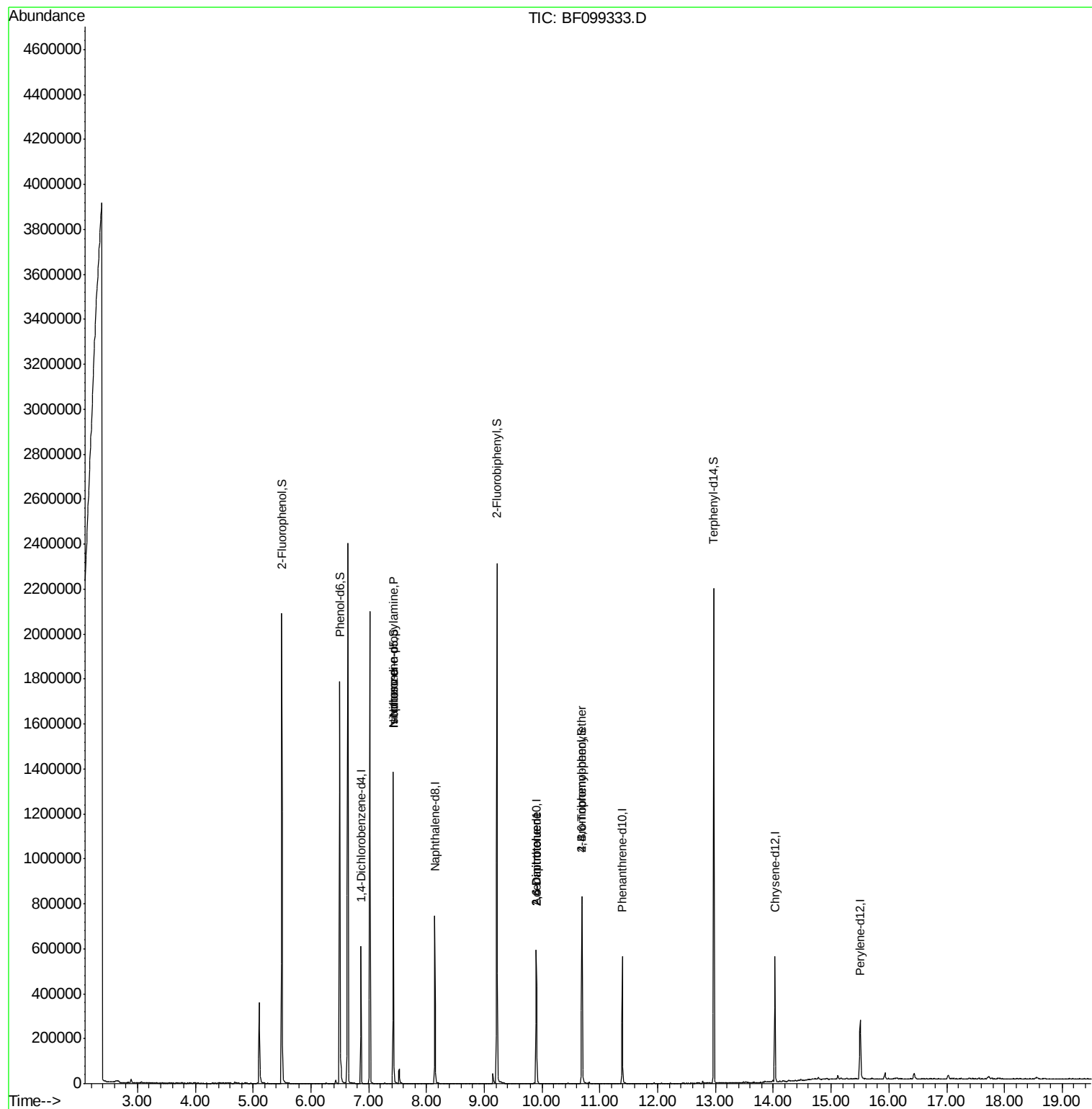
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	86383	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	314380	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	117118	20.00	ng	0.00
63) Phenanthrene-d10	11.39	188	189204	20.00	ng	0.00
75) Chrysene-d12	14.03	240	172494	20.00	ng	0.00
86) Perylene-d12	15.50	264	116393	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	634793	116.98	ng	0.02
7) Phenol-d6	6.50	99	641570	95.84	ng	0.00
23) Nitrobenzene-d5	7.43	82	435600	88.86	ng	0.00
41) 2,4,6-Tribromophenol	10.69	330	105416	110.00	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	809948	115.45	ng	0.00
78) Terphenyl-d14	12.97	244	670092	88.35	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.43	70	54326	12.71	ng	# 76
25) Isophorone	7.43	82	435596	42.98	ng	# 64
50) 2,6-Dinitrotoluene	9.90	165	14717	7.65	ng	# 24
56) 2,4-Dinitrotoluene	9.90	165	14717	5.89	ng	# 21
66) 4-Bromophenyl-phenylether	10.69	248	6958	3.76	ng	# 1

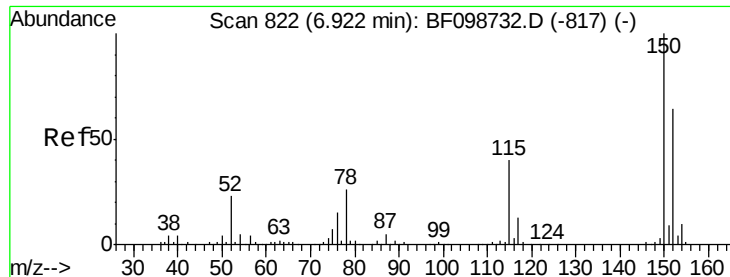
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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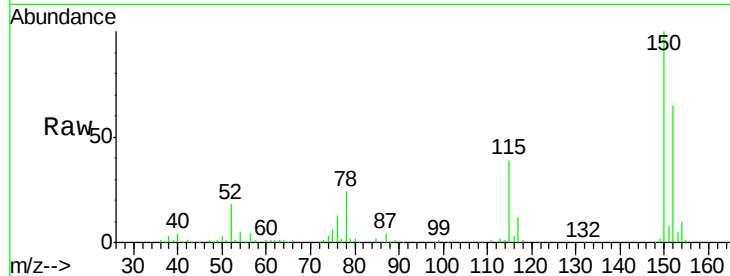


#1

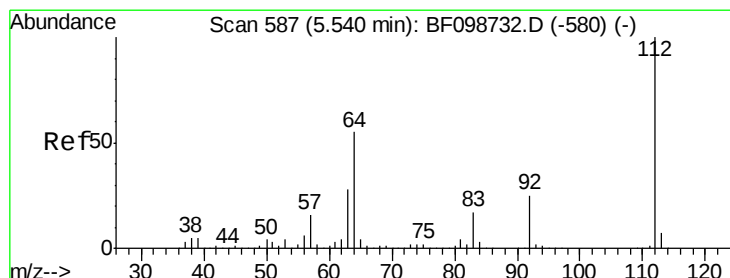
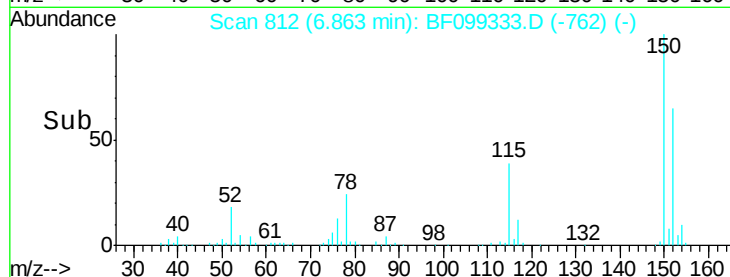
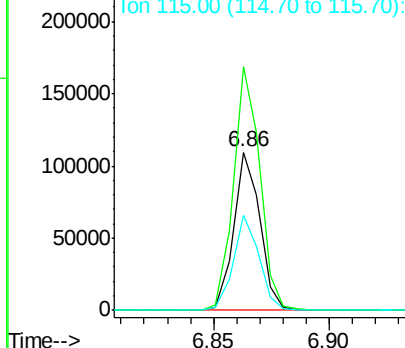
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.86 min Scan# 812
Delta R.T. -0.01 min
Lab File: BF099333.D
Acq: 11 Oct 2017 8:02

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 86383
Ion Ratio Lower Upper
152 100
150 154.0 124.6 186.8
115 59.9 50.1 75.1



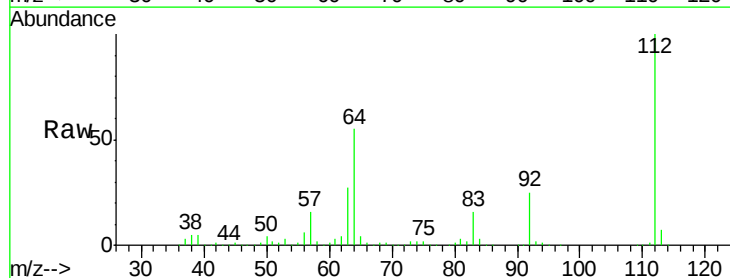
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



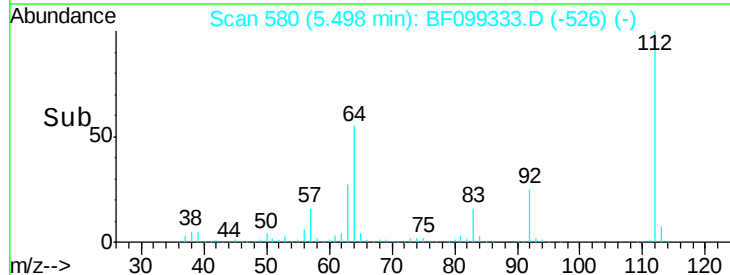
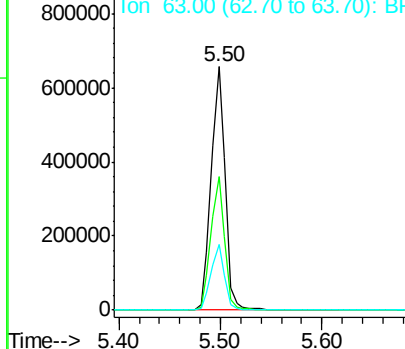
#5

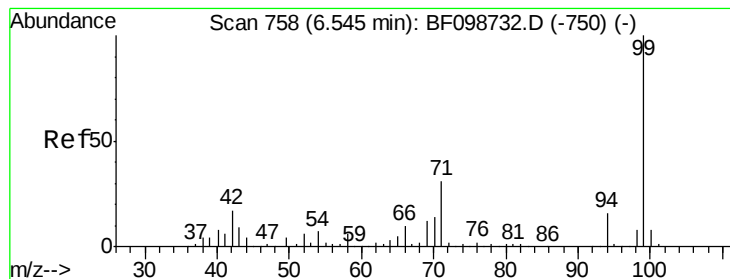
2-Fluorophenol
Concen: 116.98 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.02 min
Lab File: BF099333.D
Acq: 11 Oct 2017 8:02

Tgt Ion:112 Resp: 634793
Ion Ratio Lower Upper
112 100
64 54.6 47.9 71.9
63 26.7 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: 95.84 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.00 min

Lab File: BF099333.D

Acq: 11 Oct 2017 8:02

Instrument :

BNA_F

ClientSampleId :

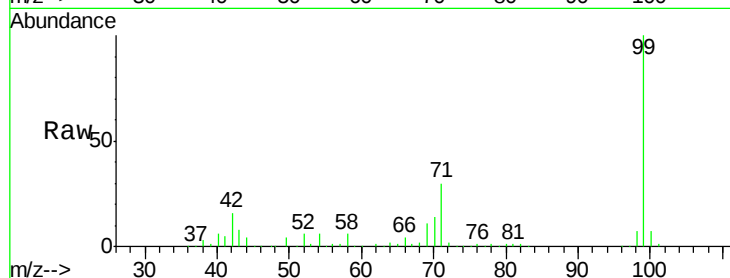
Tot Ion: 99 Resp: 641570

Ion Ratio Lower Upper

99 100

42 15.5 14.5 21.7

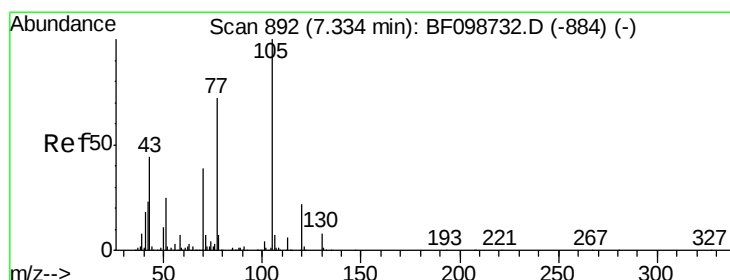
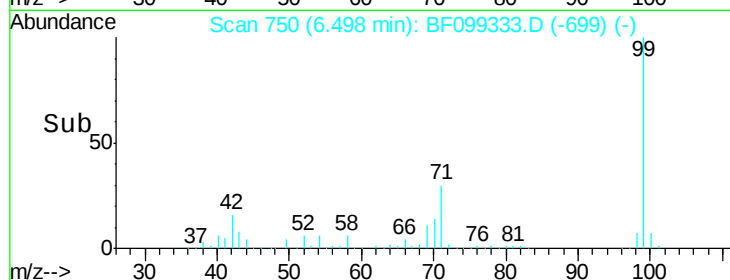
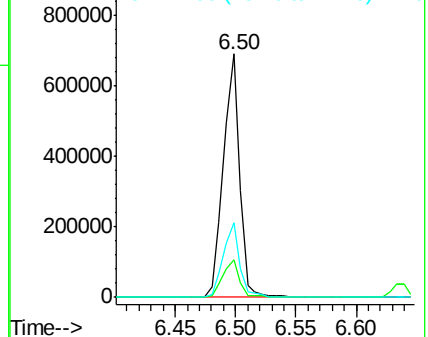
71 30.5 25.4 38.0



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: 12.71 ng

RT: 7.43 min Scan# 908

Delta R.T. 0.14 min

Lab File: BF099333.D

Acq: 11 Oct 2017 8:02

Tgt Ion: 70 Resp: 54326

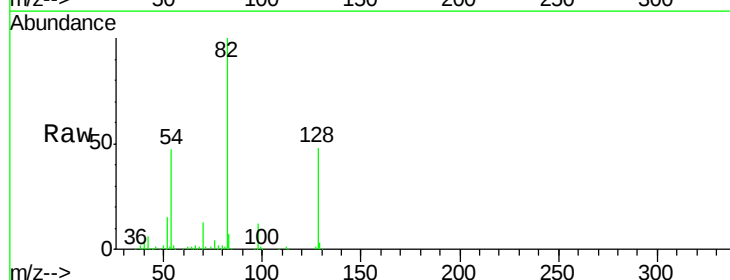
Ion Ratio Lower Upper

70 100

42 45.3 47.5 71.3#

101 0.0 7.4 11.2#

130 2.6 16.6 25.0#

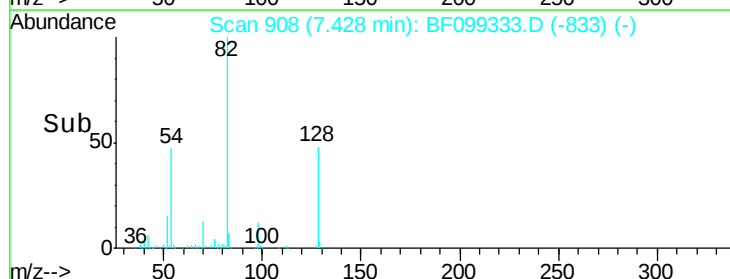
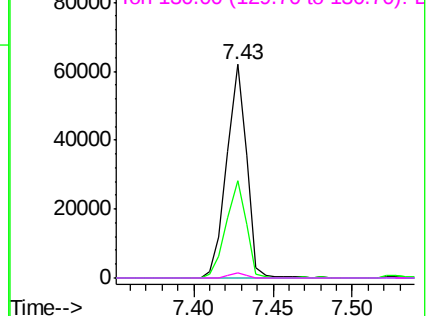


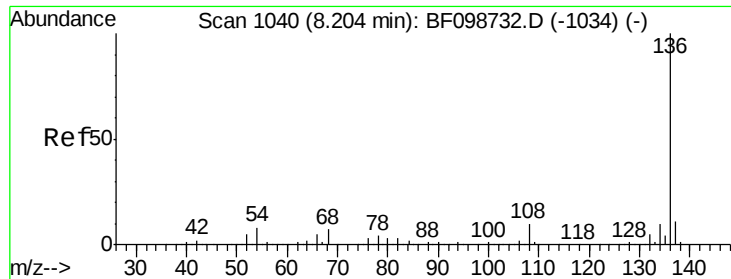
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

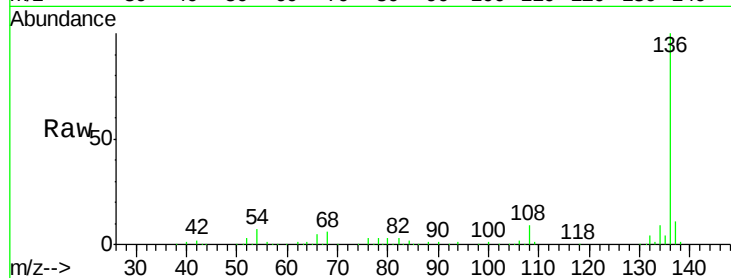




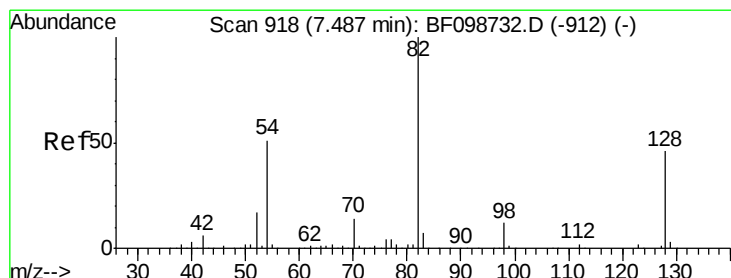
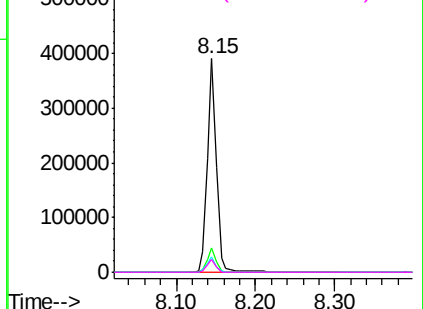
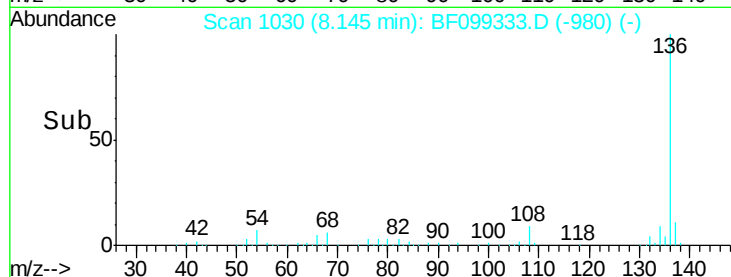
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.15 min Scan# 1030
Delta R.T. -0.01 min
Lab File: BF099333.D
Acq: 11 Oct 2017 8:02

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	314380
Ion Ratio	Lower	Upper
136	100	
137	11.2	8.9 13.3
54	7.5	6.6 9.8
68	6.1	5.0 7.4

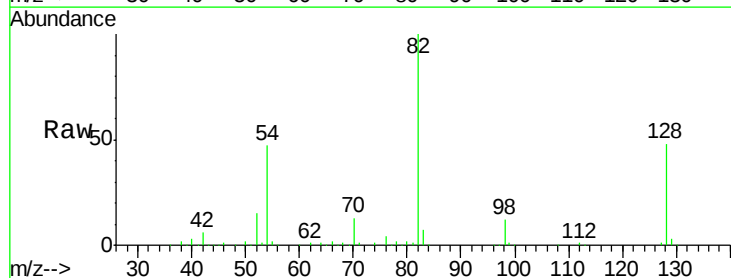


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

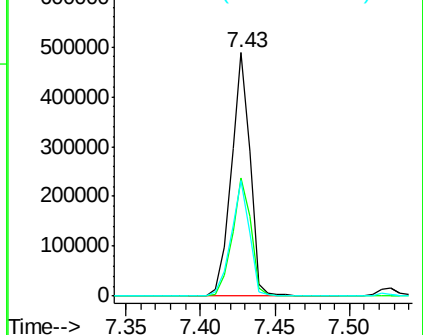
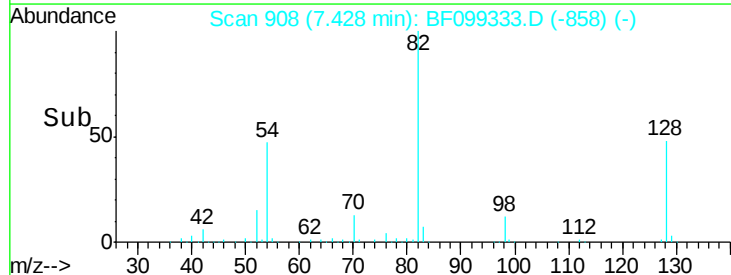


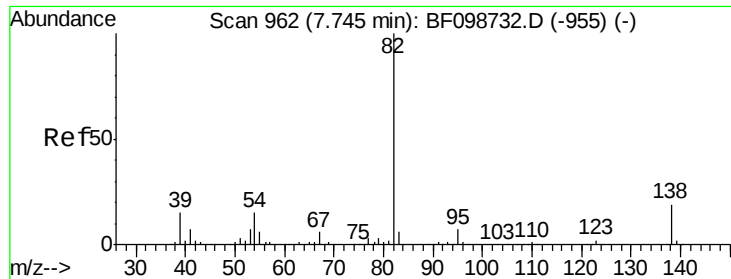
#23
Nitrobenzene-d5
Concen: 88.86 ng
RT: 7.43 min Scan# 908
Delta R.T. -0.01 min
Lab File: BF099333.D
Acq: 11 Oct 2017 8:02

Tgt Ion: 82	Resp:	435600
Ion Ratio	Lower	Upper
82	100	
128	48.3	36.1 54.1
54	47.4	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: 42.98 ng

RT: 7.43 min Scan# 908

Delta R.T. -0.26 min

Lab File: BF099333.D

Acq: 11 Oct 2017 8:02

Instrument :

BNA_F

ClientSampleId :

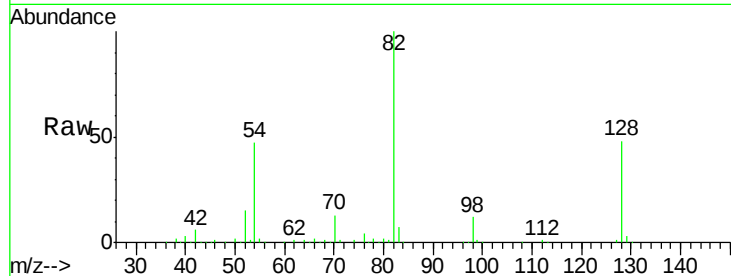
Tot Ion: 82 Resp: 435596

Ion Ratio Lower Upper

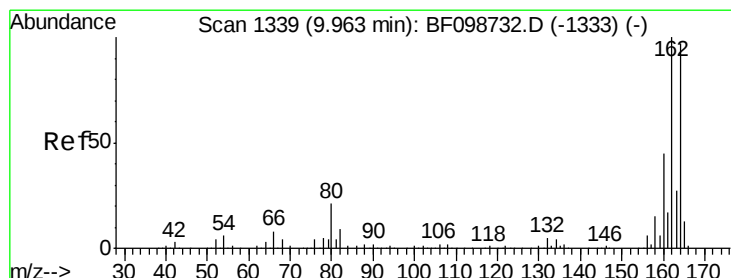
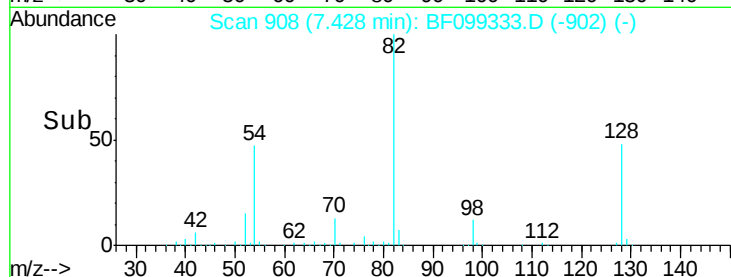
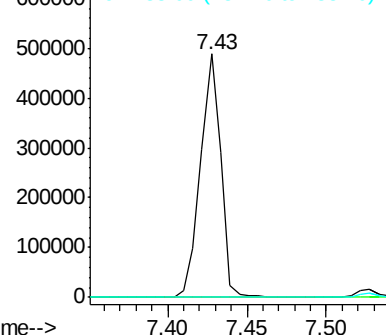
82 100

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: 9.90 min Scan# 1328

Delta R.T. -0.01 min

Lab File: BF099333.D

Acq: 11 Oct 2017 8:02

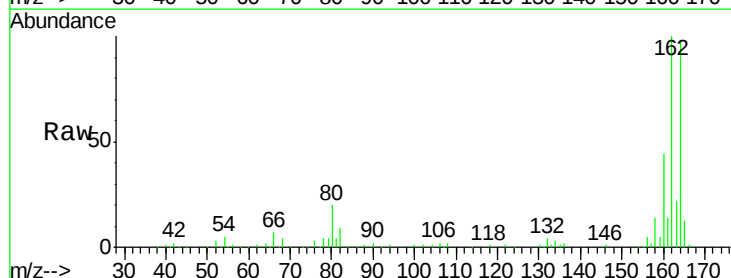
Tgt Ion: 164 Resp: 117118

Ion Ratio Lower Upper

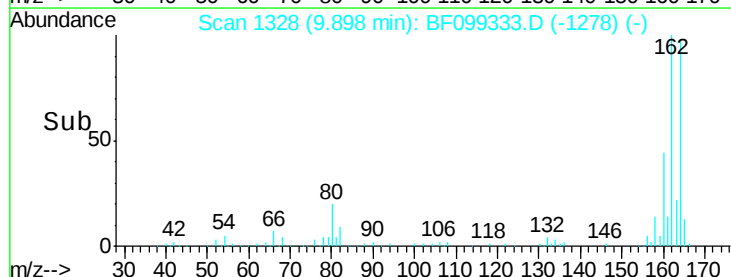
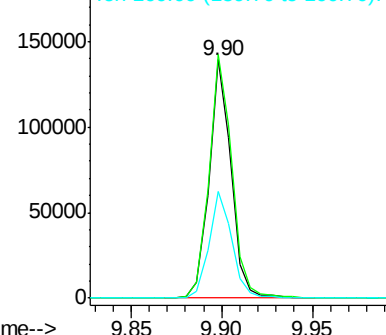
164 100

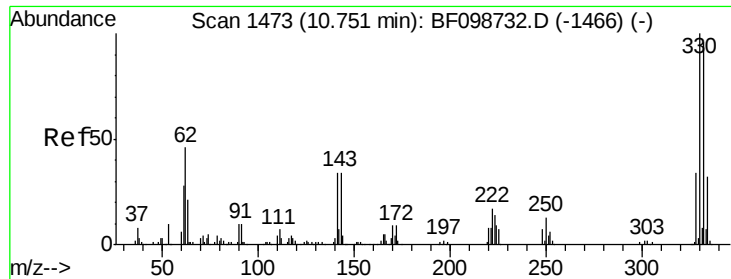
162 102.3 86.1 129.1

160 44.8 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

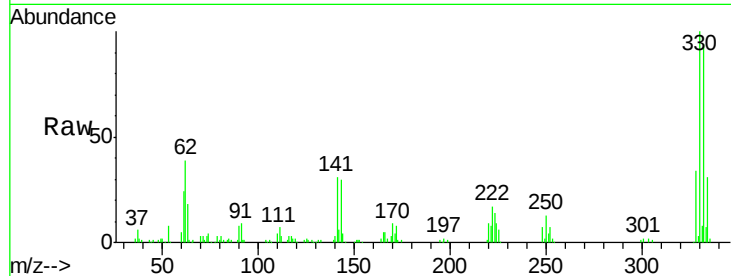




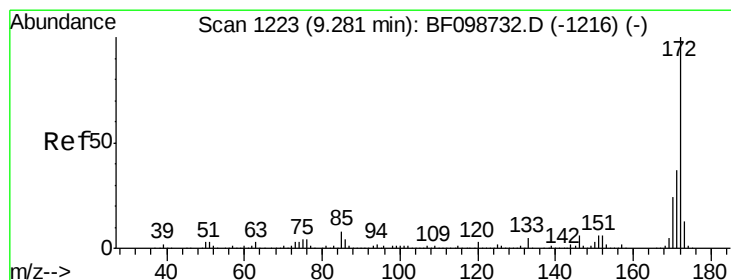
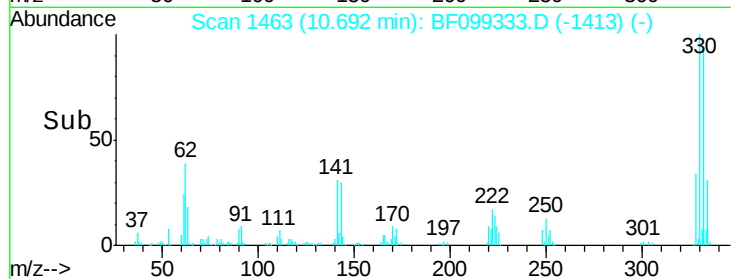
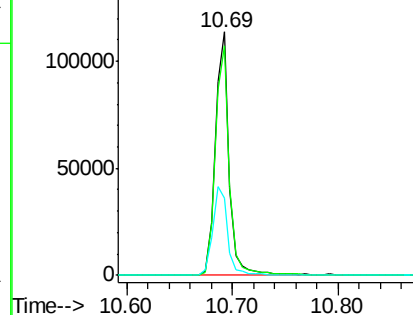
#41
 2,4,6-Tribromophenol
 Concen: 110.00 ng
 RT: 10.69 min Scan# 1463
 Delta R.T. -0.01 min
 Lab File: BF099333.D
 Acq: 11 Oct 2017 8:02

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.3	77.0	115.6
141	38.9	29.9	44.9

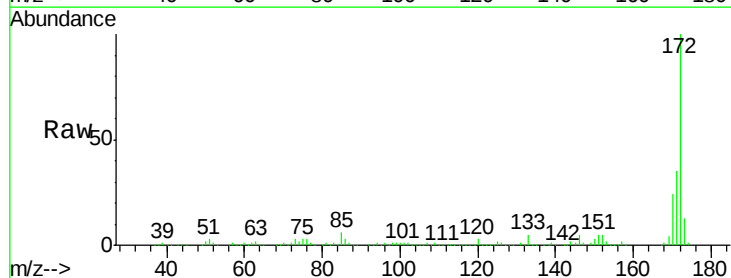


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

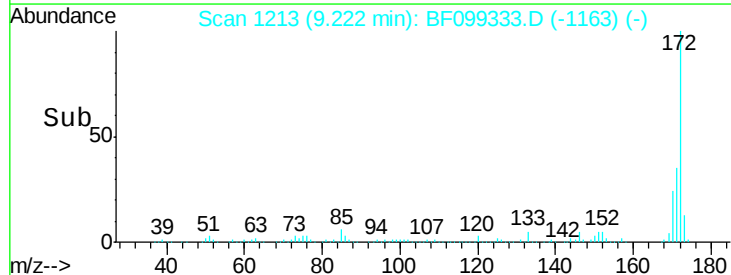
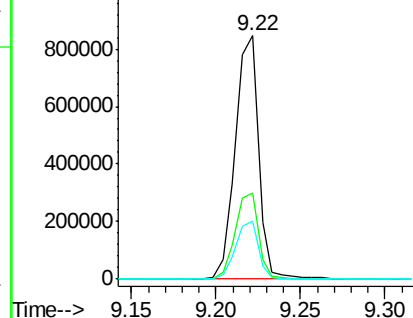


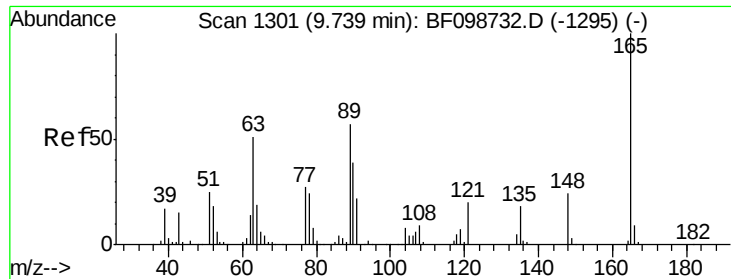
#44
 2-Fluorobiphenyl
 Concen: 115.45 ng
 RT: 9.22 min Scan# 1213
 Delta R.T. -0.01 min
 Lab File: BF099333.D
 Acq: 11 Oct 2017 8:02

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.5	29.7	44.5
170	23.7	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

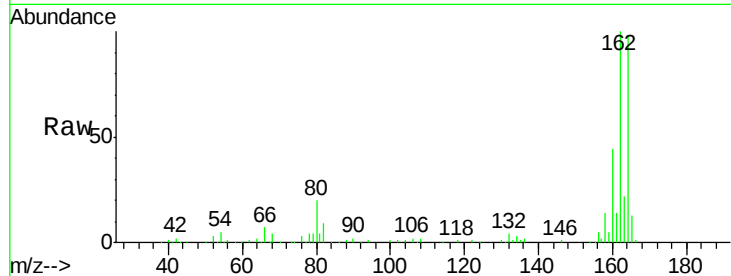




#50
2,6-Dinitrotoluene
Concen: 7.65 ng
RT: 9.90 min Scan# 1328
Delta R.T. 0.21 min
Lab File: BF099333.D
Acq: 11 Oct 2017 8:02

Instrument :
BNA_F
ClientSampleId :

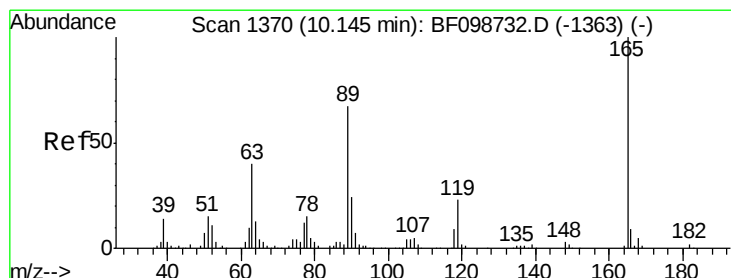
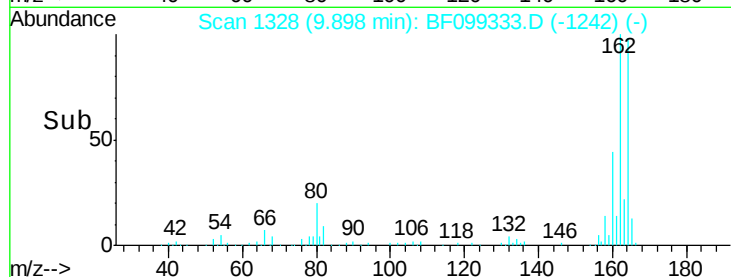
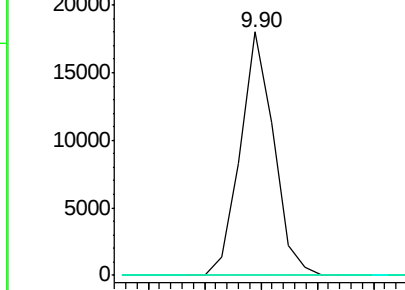
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.7	67.1#
89	0.0	44.0	66.0#



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: 5.89 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.20 min
Lab File: BF099333.D
Acq: 11 Oct 2017 8:02

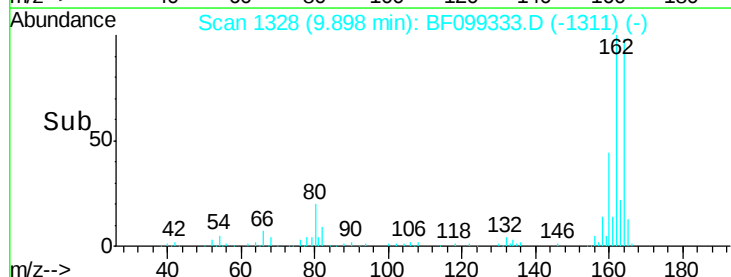
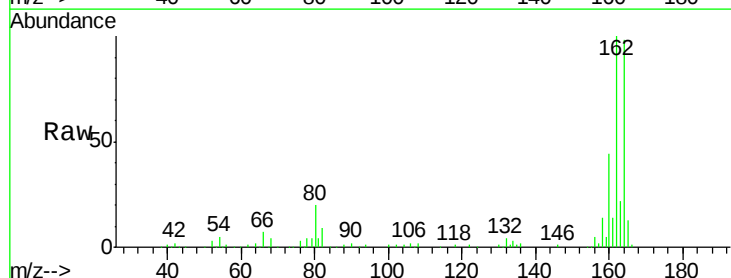
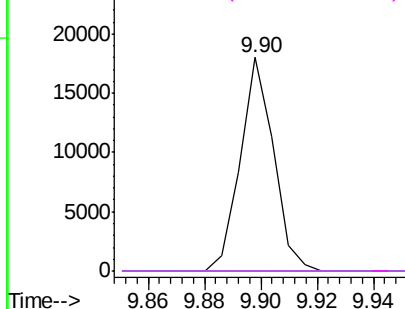
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.4	54.6#
89	0.0	57.8	86.6#
182	0.0	1.6	2.4#

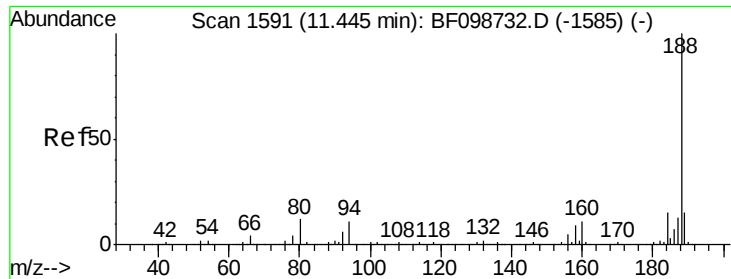
Abundance Ion 165.00 (164.70 to 165.70): E

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

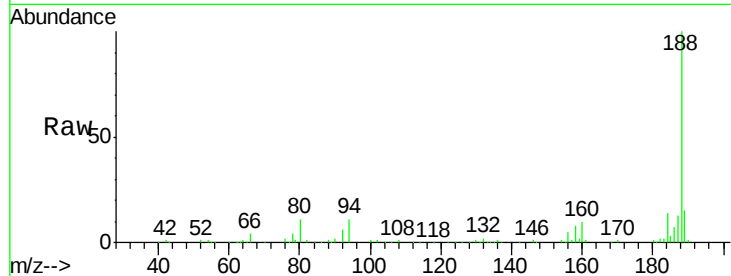




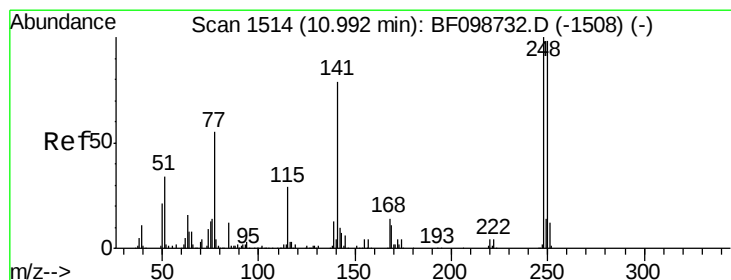
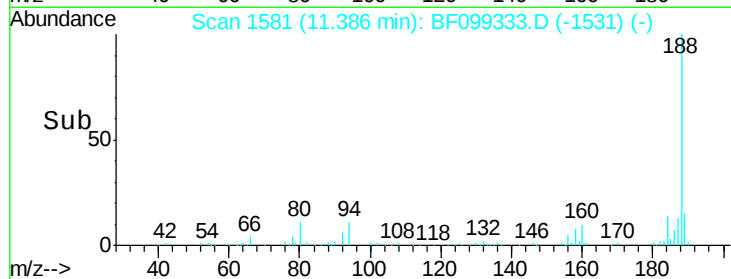
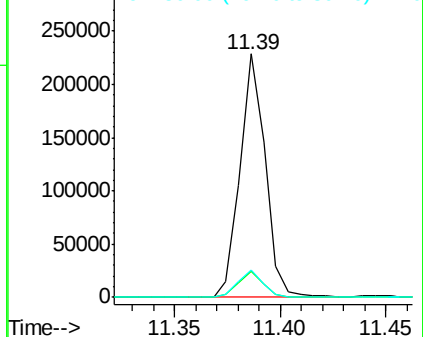
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.39 min Scan# 1581
 Delta R.T. -0.01 min
 Lab File: BF099333.D
 Acq: 11 Oct 2017 8:02

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:188 Resp: 189204
 Ion Ratio Lower Upper
 188 100
 94 10.8 8.5 12.7
 80 11.4 9.2 13.8

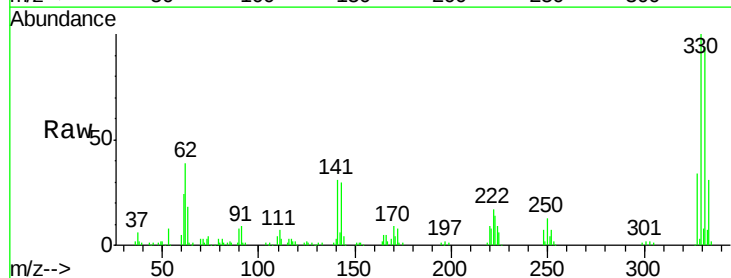


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

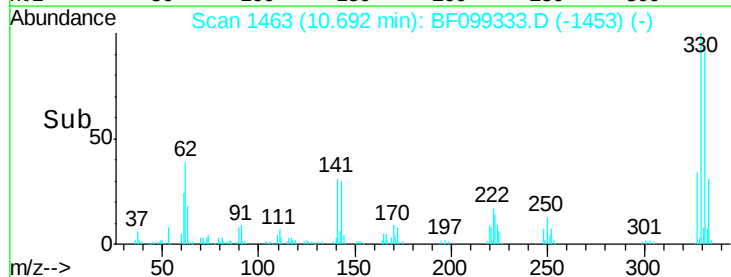
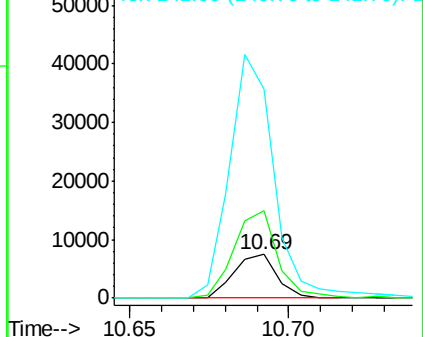


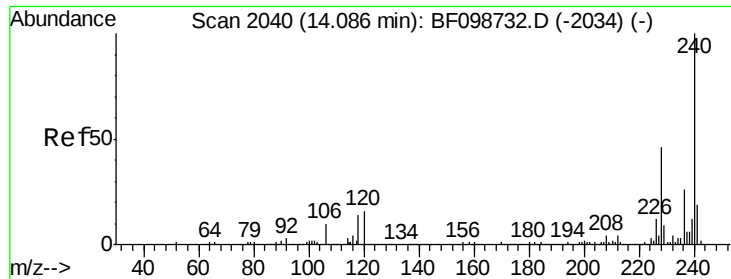
#66
 4-Bromophenyl-phenylether
 Concen: 3.76 ng
 RT: 10.69 min Scan# 1463
 Delta R.T. -0.24 min
 Lab File: BF099333.D
 Acq: 11 Oct 2017 8:02

Tgt Ion:248 Resp: 6958
 Ion Ratio Lower Upper
 248 100
 250 202.4 76.9 115.3#
 141 482.4 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

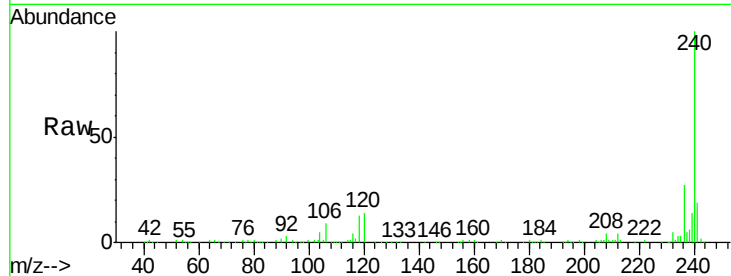




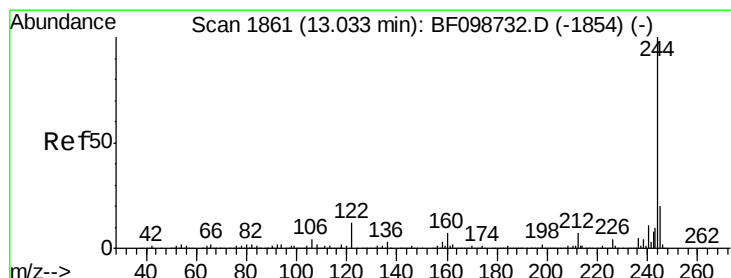
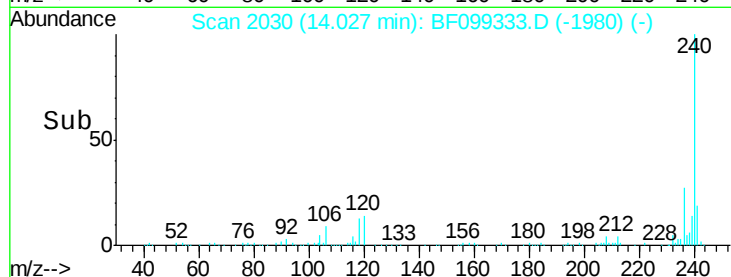
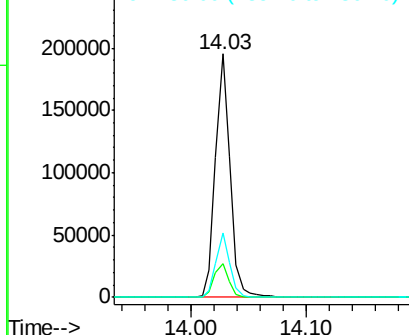
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.03 min Scan# 2030
 Delta R.T. -0.01 min
 Lab File: BF099333.D
 Acq: 11 Oct 2017 8:02

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:240 Resp: 172494
 Ion Ratio Lower Upper
 240 100
 120 13.9 9.5 14.3
 236 26.5 20.7 31.1

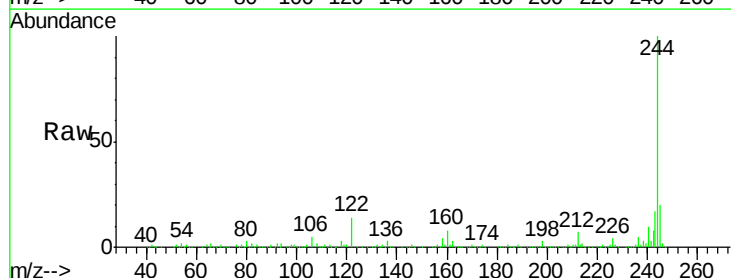


Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E

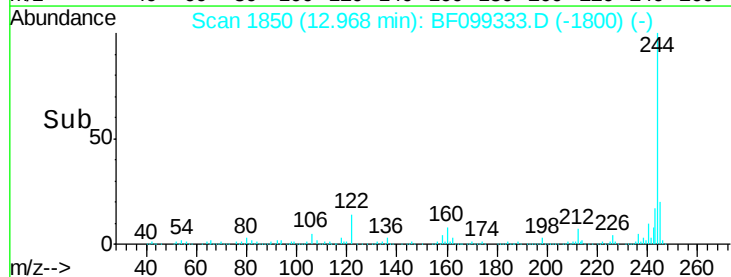
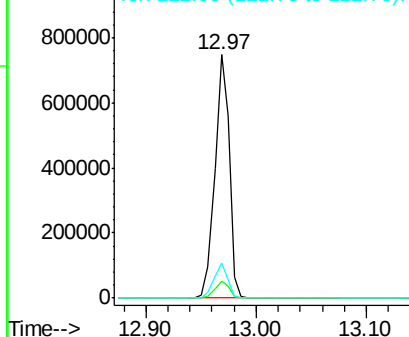


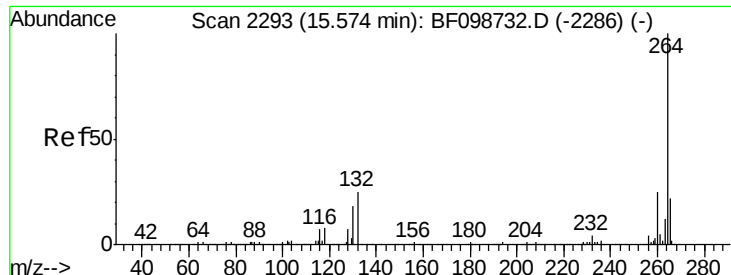
#78
 Terphenyl-d14
 Concen: 88.35 ng
 RT: 12.97 min Scan# 1850
 Delta R.T. -0.01 min
 Lab File: BF099333.D
 Acq: 11 Oct 2017 8:02

Tgt Ion:244 Resp: 670092
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.4 8.0
 122 14.4 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

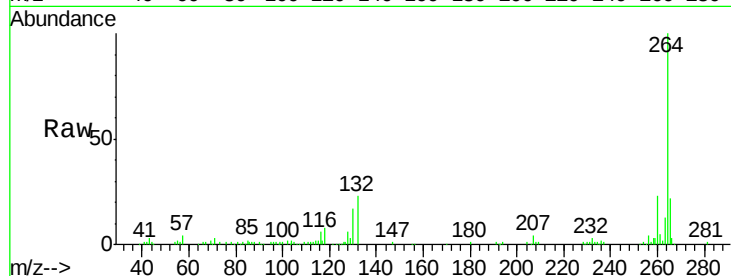




#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 15.50 min Scan# 2281
 Delta R.T. -0.00 min
 Lab File: BF099333.D
 Acq: 11 Oct 2017 8:02

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.8	19.2	28.8
265	21.8	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

