

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101917\
 Data File : BF099691.D
 Acq On : 20 Oct 2017 8:00
 Operator : SJ/JU
 Sample : I5927-04
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 20 12:56:04 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 19 19:55:56 2017
 Response via : Initial Calibration

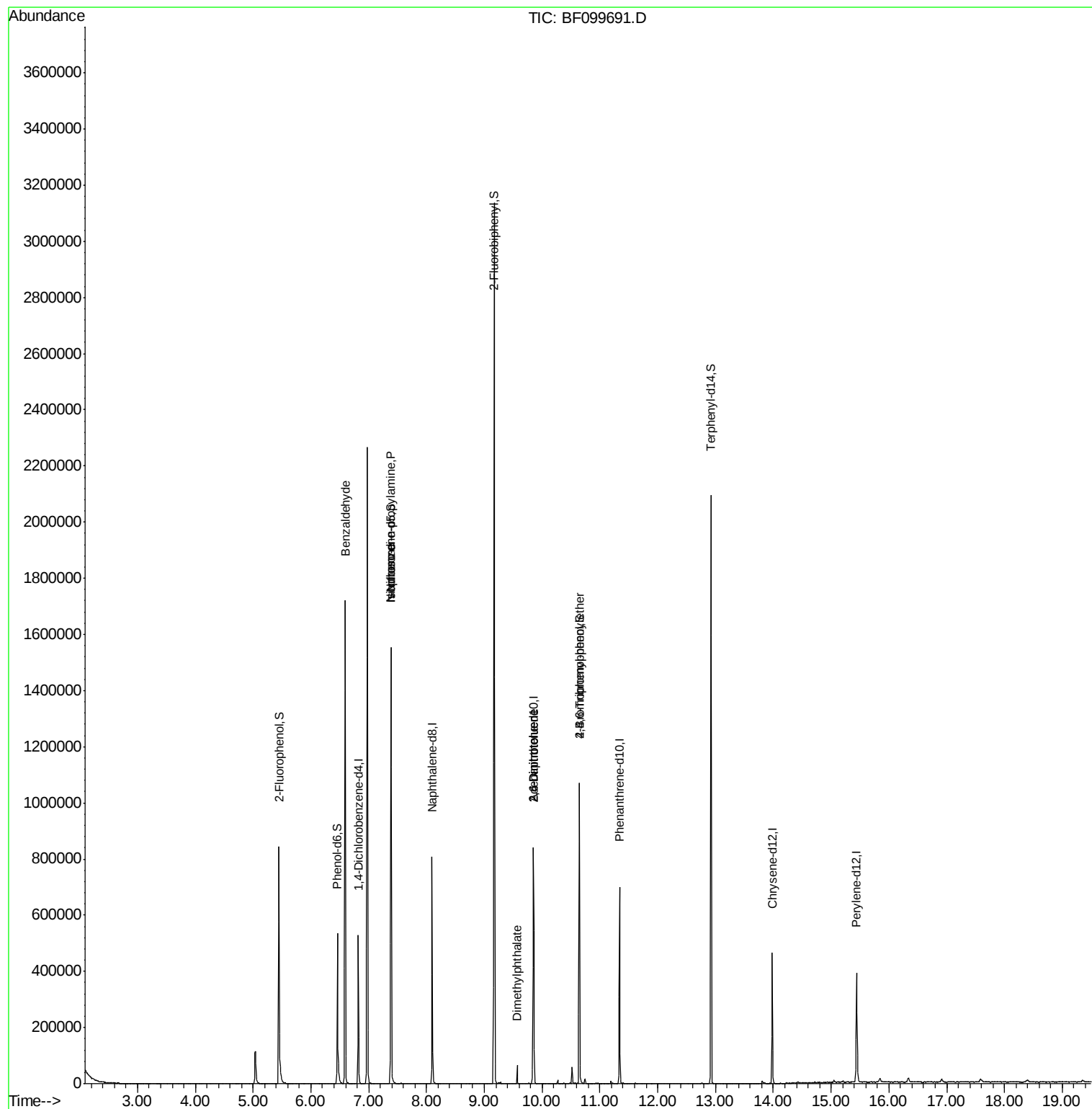
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	90457	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	366783	20.00	ng	-0.01
38) Acenaphthene-d10	9.85	164	160303	20.00	ng	-0.02
63) Phenanthrene-d10	11.34	188	237104	20.00	ng	-0.01
75) Chrysene-d12	13.98	240	156275	20.00	ng	-0.02
86) Perylene-d12	15.44	264	169072	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	281465	49.53	ng	0.00
7) Phenol-d6	6.46	99	213866	30.51	ng	-0.02
23) Nitrobenzene-d5	7.39	82	580342	101.47	ng	-0.01
41) 2,4,6-Tribromophenol	10.65	330	123454	94.12	ng	-0.01
44) 2-Fluorobiphenyl	9.17	172	1084799	112.97	ng	-0.01
78) Terphenyl-d14	12.92	244	715009	104.05	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.59	77	8855	2.178	ng	93
19) n-Nitroso-di-n-propylamine	7.39	70	72694	16.243	ng	# 72
25) Isophorone	7.39	82	580337	49.078	ng	# 64
49) Dimethylphthalate	9.57	163	27997	2.314	ng	97
50) 2,6-Dinitrotoluene	9.85	165	19841	7.533	ng	# 24
56) 2,4-Dinitrotoluene	9.85	165	19841	5.804	ng	# 21
66) 4-Bromophenyl-phenylether	10.65	248	7944	3.423	ng	# 1

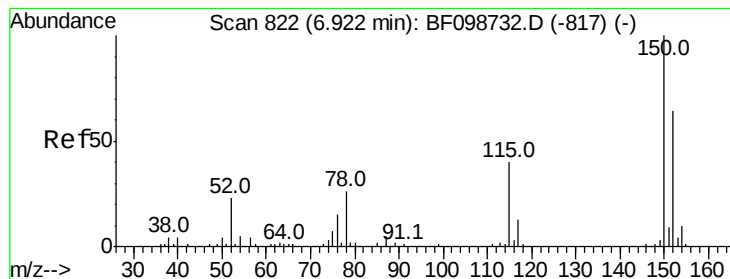
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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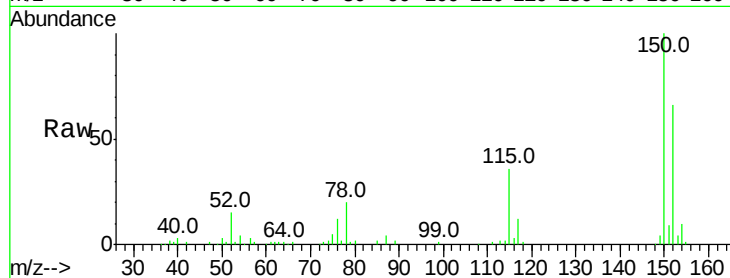


#1

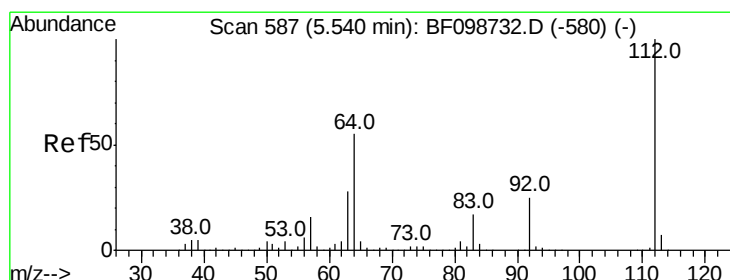
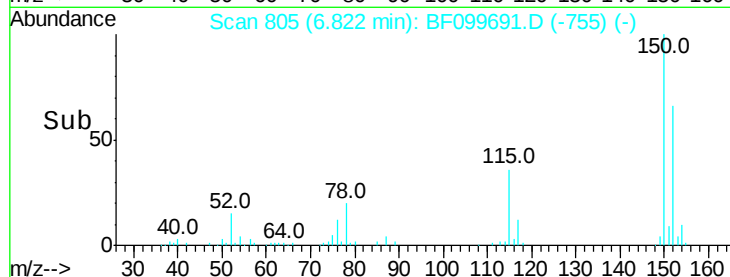
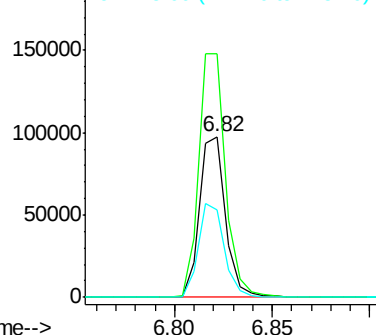
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. -0.01 min
Lab File: BF099691.D
Acq: 20 Oct 2017 8:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.6	124.6	186.8
115	54.3	50.1	75.1



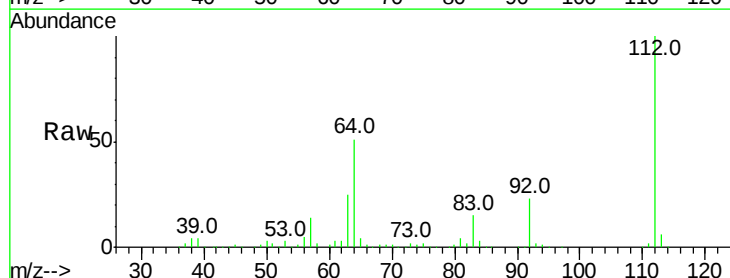
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



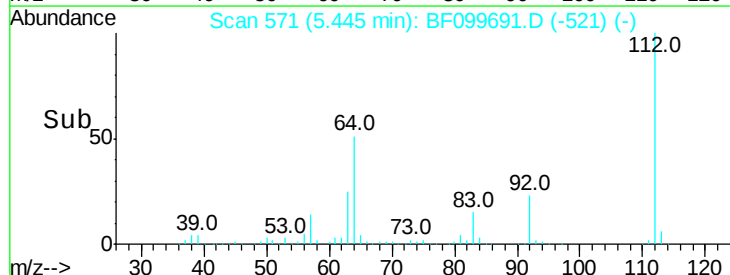
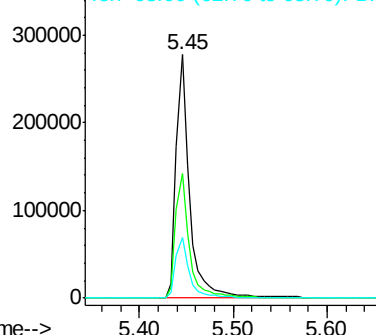
#5

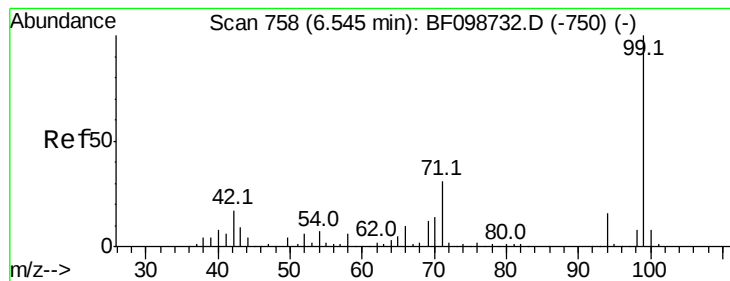
2-Fluorophenol
Concen: 49.533 ng
RT: 5.45 min Scan# 571
Delta R.T. -0.01 min
Lab File: BF099691.D
Acq: 20 Oct 2017 8:00

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.0	47.9	71.9
63	24.9	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: 30.510 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.02 min

Lab File: BF099691.D

Acq: 20 Oct 2017 8:00

Instrument :

BNA_F

ClientSampled :

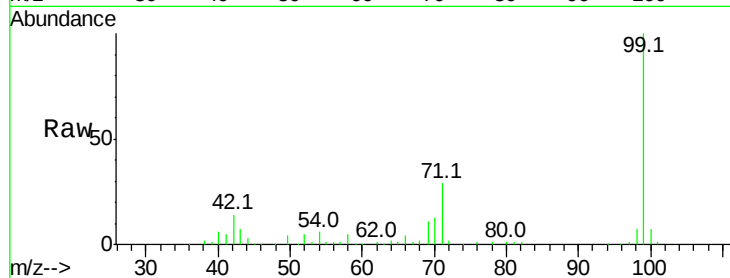
Tot Ion: 99 Resp: 213866

Ion Ratio Lower Upper

99 100

42 13.7 14.5 21.7#

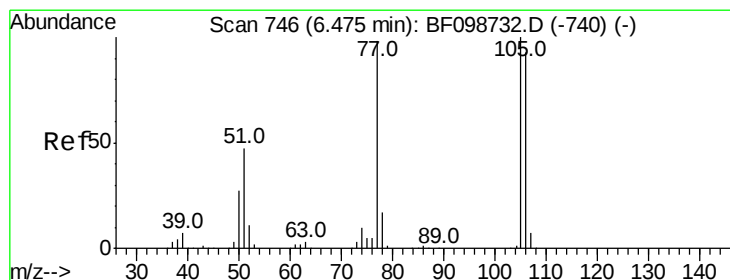
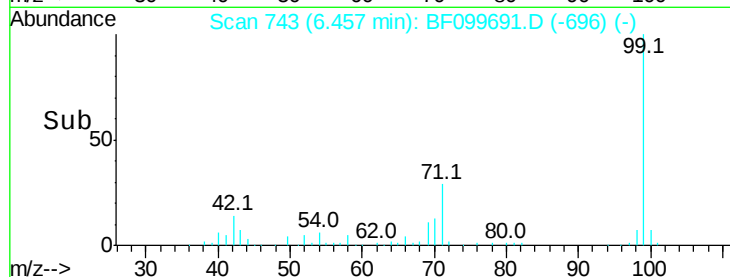
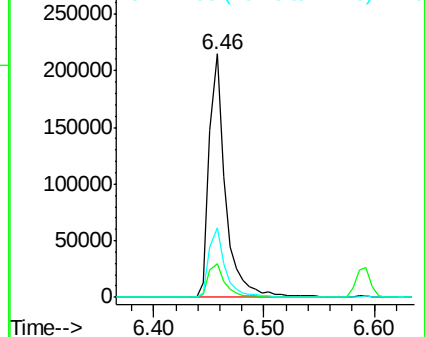
71 28.6 25.4 38.0



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: 2.178 ng

RT: 6.59 min Scan# 766

Delta R.T. 0.21 min

Lab File: BF099691.D

Acq: 20 Oct 2017 8:00

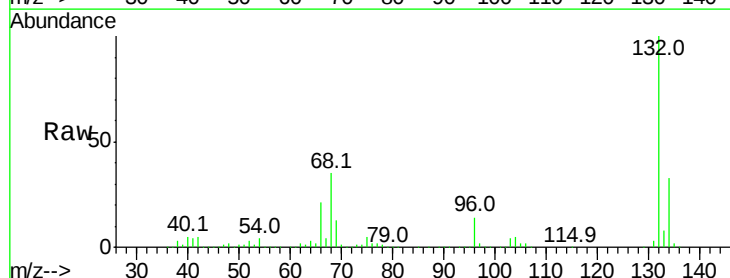
Tgt Ion: 77 Resp: 8855

Ion Ratio Lower Upper

77 100

105 92.3 81.1 121.1

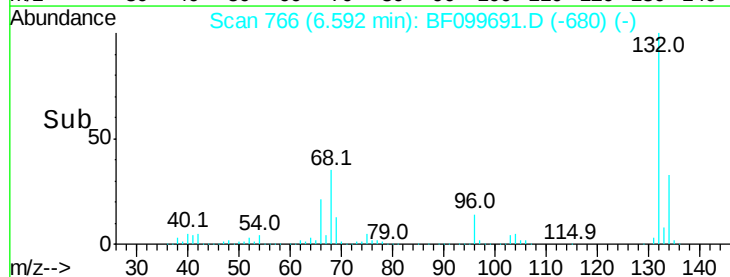
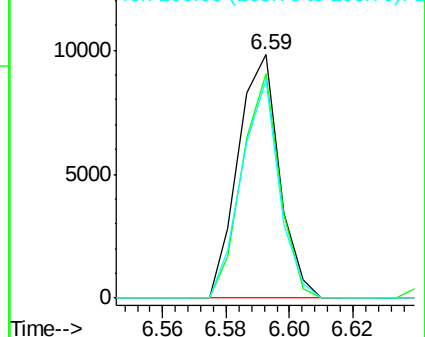
106 89.8 74.5 114.5

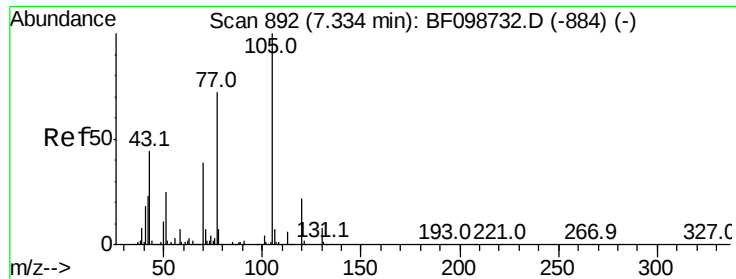


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

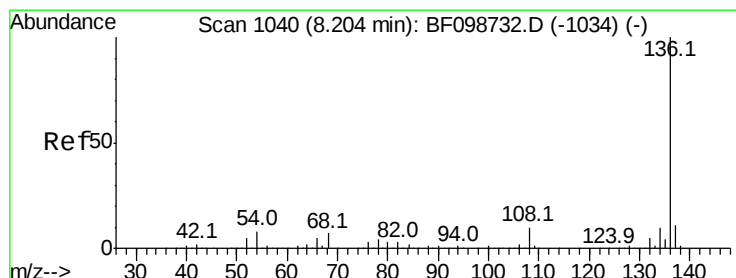
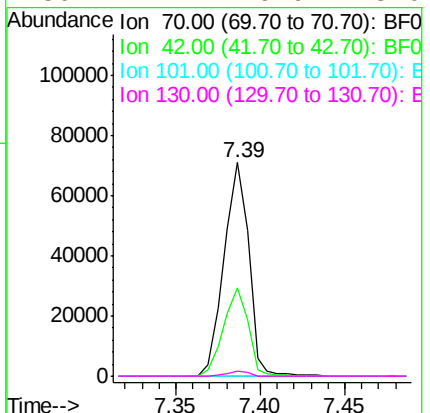
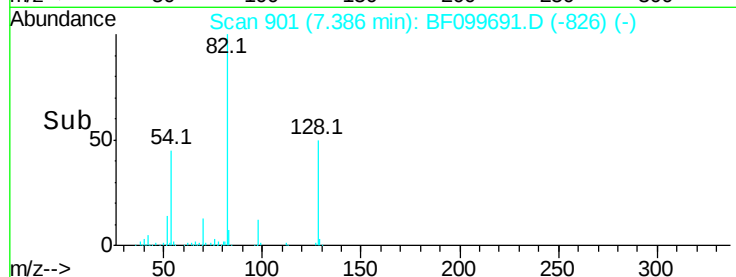
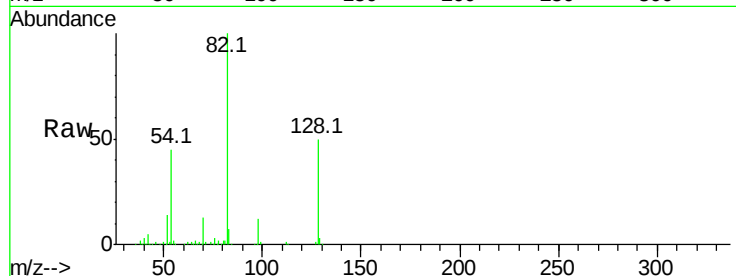




#19
n-Nitroso-di-n-propylamine
Concen: 16.243 ng
RT: 7.39 min Scan# 901
Delta R.T. 0.14 min
Lab File: BF099691.D
Acq: 20 Oct 2017 8:00

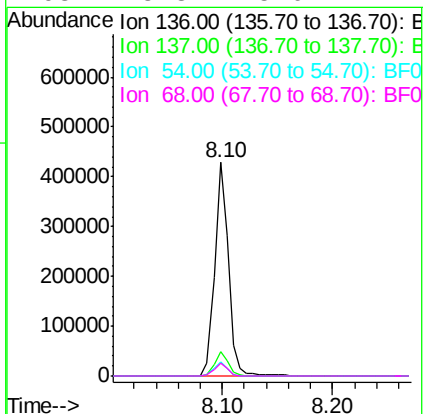
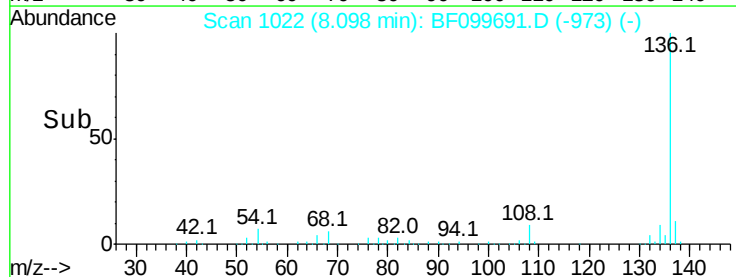
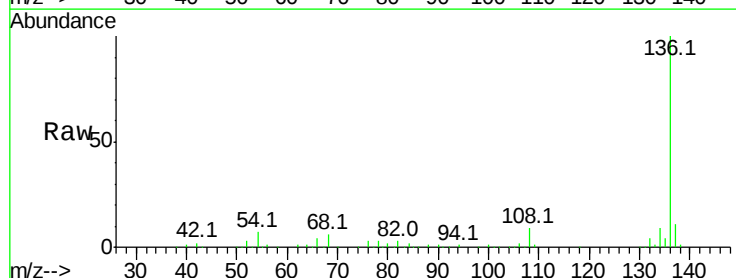
Instrument :
BNA_F
ClientSampled :

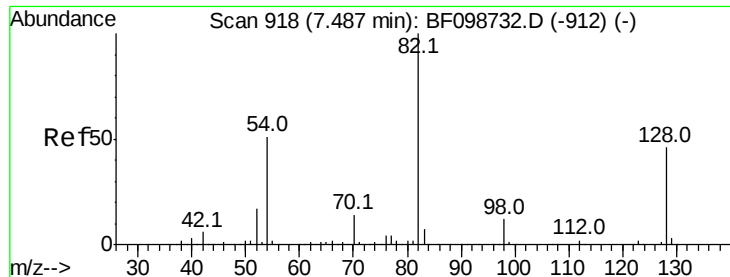
Tot Ion: 70 Resp: 72694
Ion Ratio Lower Upper
70 100
42 41.3 47.5 71.3#
101 0.0 7.4 11.2#
130 2.4 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1022
Delta R.T. -0.01 min
Lab File: BF099691.D
Acq: 20 Oct 2017 8:00

Tgt Ion:136 Resp: 366783
Ion Ratio Lower Upper
136 100
137 11.2 8.9 13.3
54 6.7 6.6 9.8
68 5.8 5.0 7.4

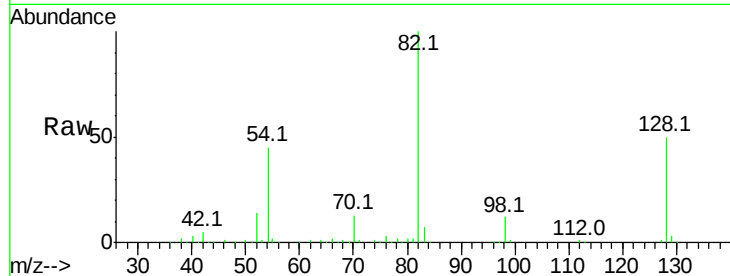




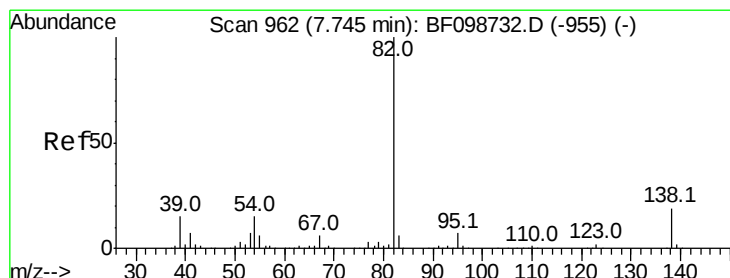
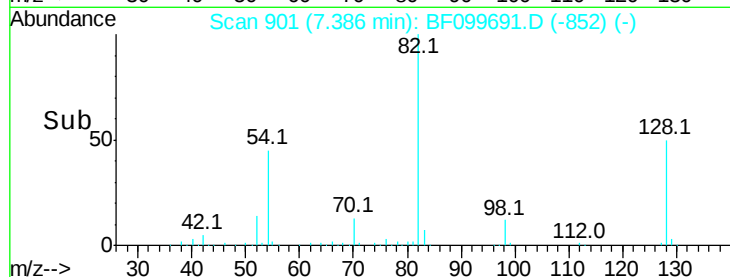
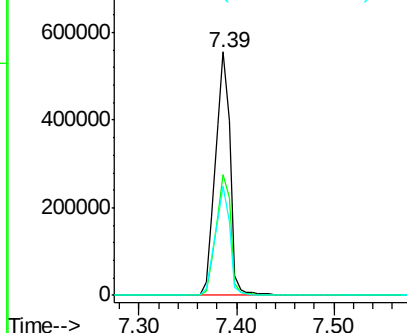
#23
 Nitrobenzene-d5
 Concen: 101.470 ng
 RT: 7.39 min Scan# 901
 Delta R.T. -0.01 min
 Lab File: BF099691.D
 Acq: 20 Oct 2017 8:00

Instrument :
 BNA_F
 ClientSampled :

Tot Ion: 82 Resp: 580342
 Ion Ratio Lower Upper
 82 100
 128 49.6 36.1 54.1
 54 45.1 41.4 62.2

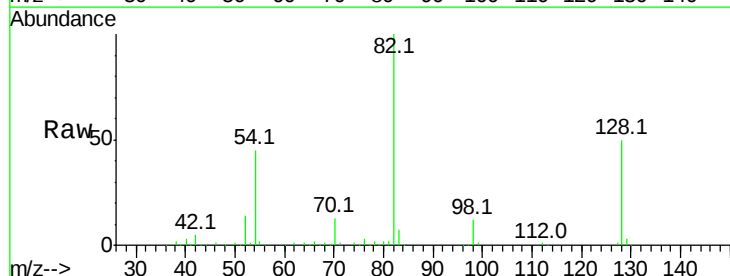


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

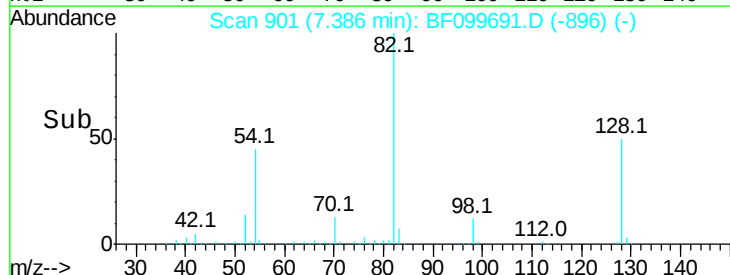
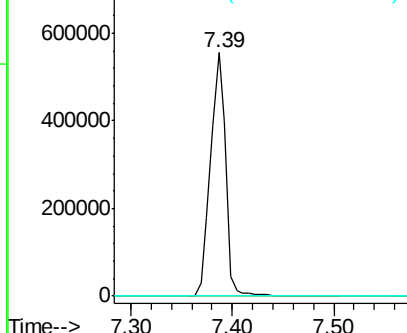


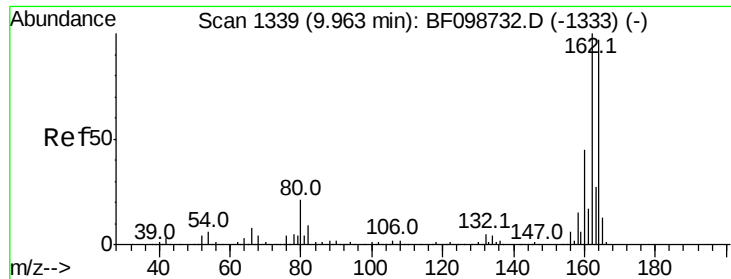
#25
 Isophorone
 Concen: 49.078 ng
 RT: 7.39 min Scan# 901
 Delta R.T. -0.27 min
 Lab File: BF099691.D
 Acq: 20 Oct 2017 8:00

Tgt Ion: 82 Resp: 580337
 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

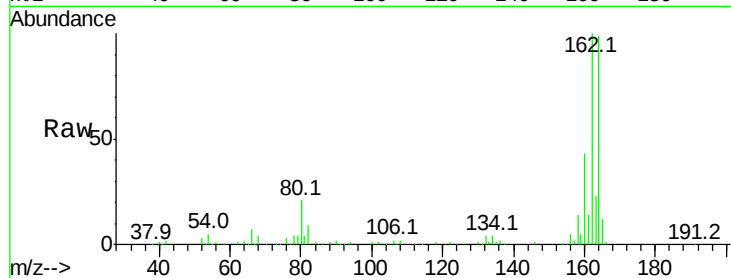




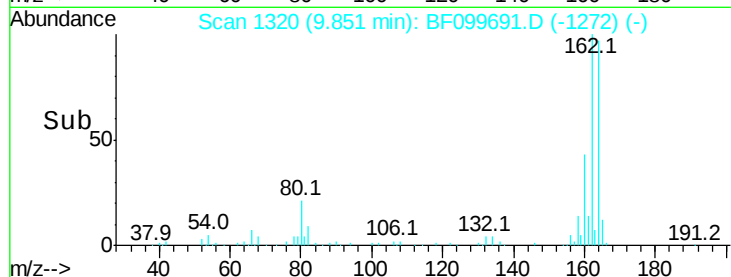
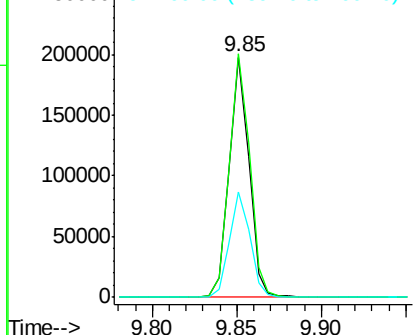
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. -0.02 min
 Lab File: BF099691.D
 Acq: 20 Oct 2017 8:00

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
164	100		
162	101.4	86.1	129.1
160	44.1	38.3	57.5

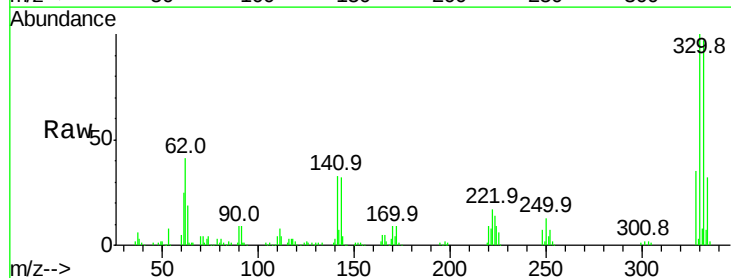


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

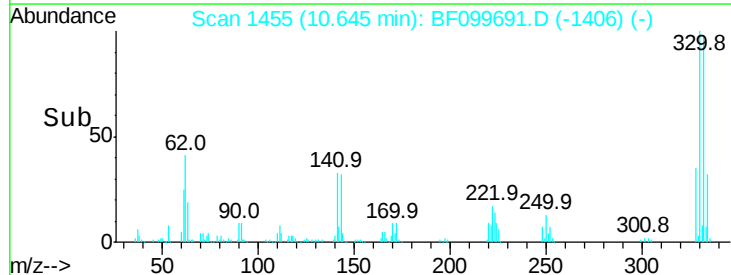
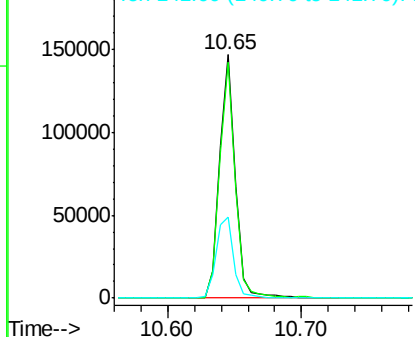


#41
 2,4,6-Tribromophenol
 Concen: 94.117 ng
 RT: 10.65 min Scan# 1455
 Delta R.T. -0.01 min
 Lab File: BF099691.D
 Acq: 20 Oct 2017 8:00

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.1	77.0	115.6
141	36.9	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



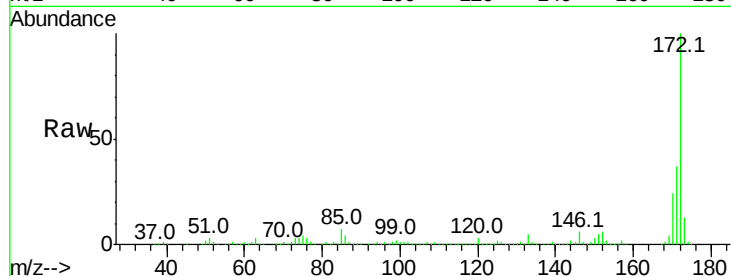


#44
 2-Fluorobiphenyl
 Concen: 112.972 ng
 RT: 9.17 min Scan# 1205
 Delta R.T. -0.01 min
 Lab File: BF099691.D
 Acq: 20 Oct 2017 8:00

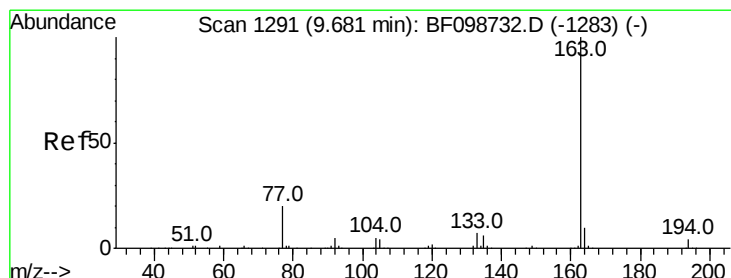
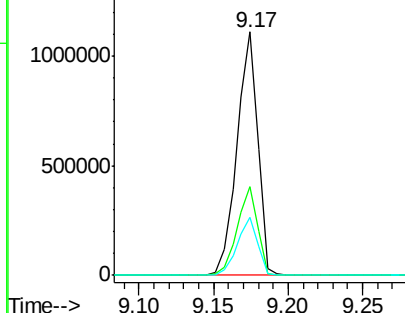
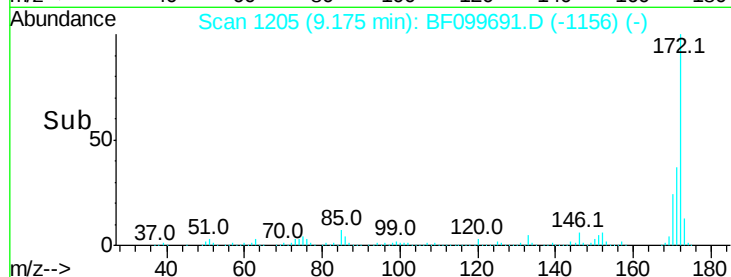
Instrument :
 BNA_F
 ClientSampled :

Tot Ion:172 Resp: 1084799

Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.7	44.5
170	23.8	19.6	29.4



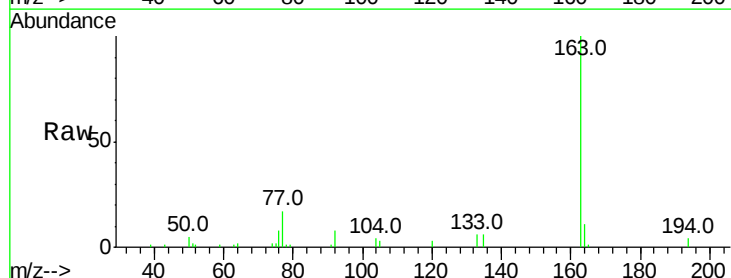
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



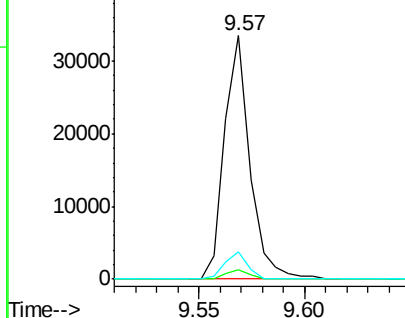
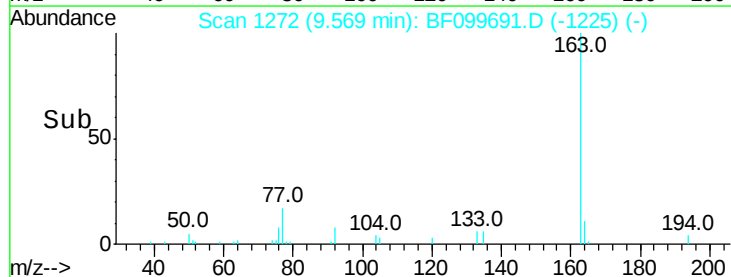
#49
 Dimethylphthalate
 Concen: 2.314 ng
 RT: 9.57 min Scan# 1272
 Delta R.T. -0.02 min
 Lab File: BF099691.D
 Acq: 20 Oct 2017 8:00

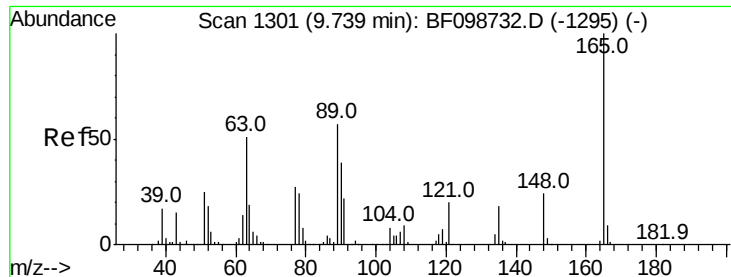
Tgt Ion:163 Resp: 27997

Ion	Ratio	Lower	Upper
163	100		
194	3.8	2.7	4.1
164	11.4	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

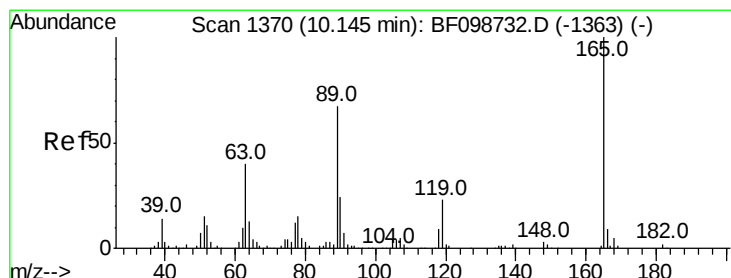
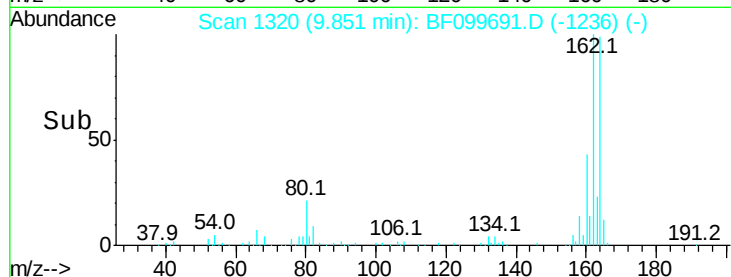
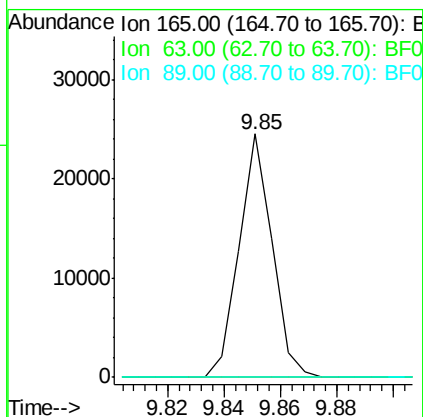
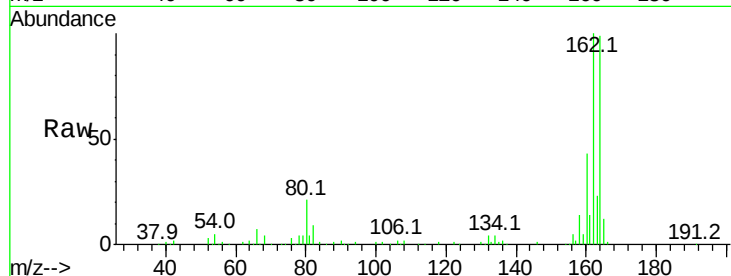




#50
2,6-Dinitrotoluene
Concen: 7.533 ng
RT: 9.85 min Scan# 1320
Delta R.T. 0.19 min
Lab File: BF099691.D
Acq: 20 Oct 2017 8:00

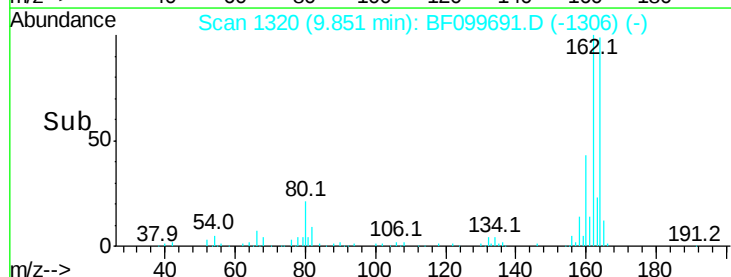
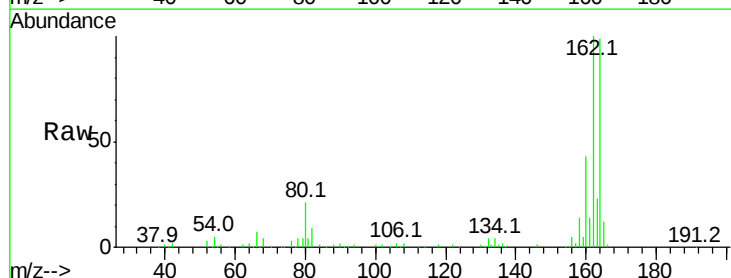
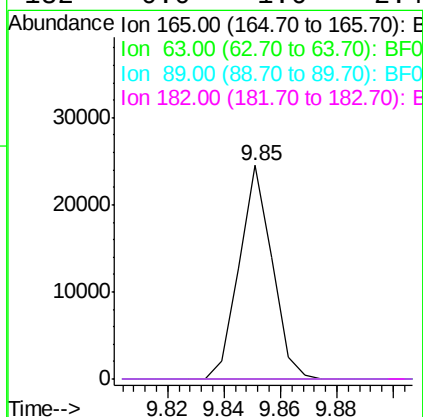
Instrument :
BNA_F
ClientSampleId :

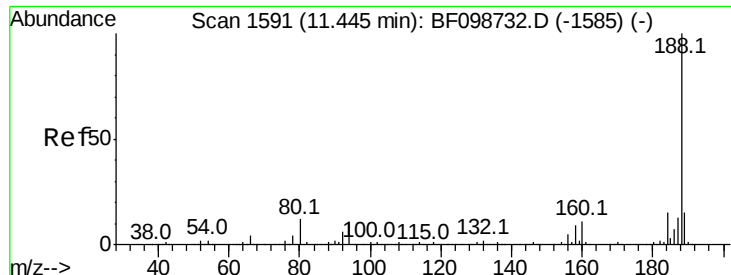
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.7	67.1#
89	0.0	44.0	66.0#



#56
2,4-Dinitrotoluene
Concen: 5.804 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.22 min
Lab File: BF099691.D
Acq: 20 Oct 2017 8:00

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#

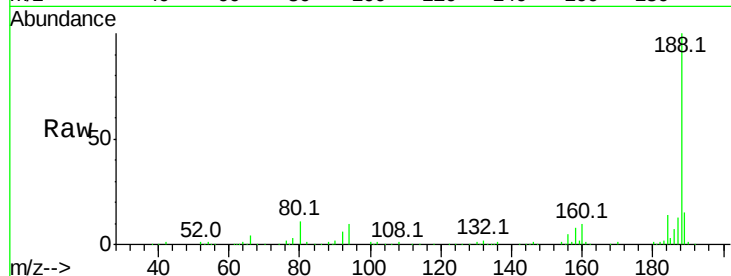




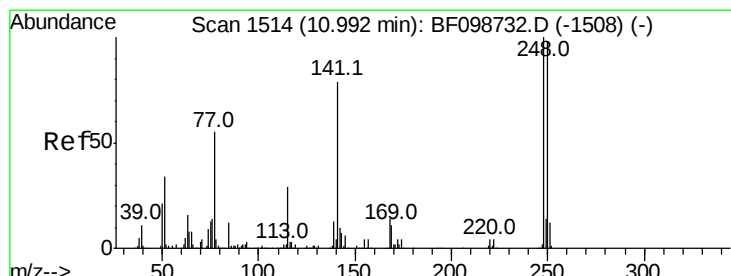
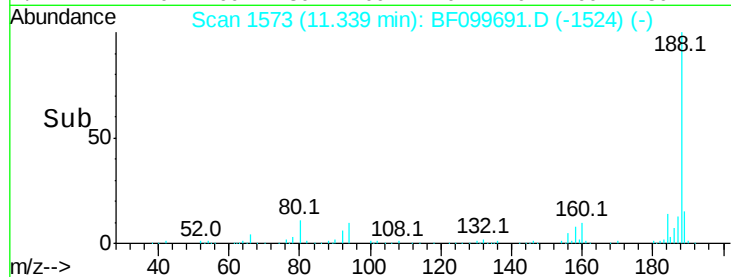
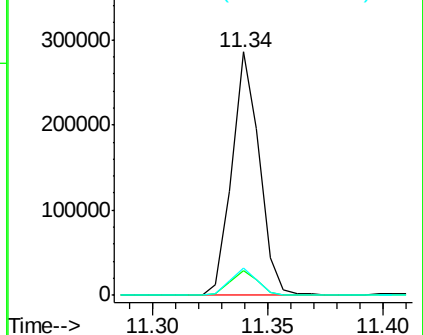
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.34 min Scan# 1573
Delta R.T. -0.01 min
Lab File: BF099691.D
Acq: 20 Oct 2017 8:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 237104
Ion Ratio Lower Upper
188 100
94 10.4 8.5 12.7
80 11.3 9.2 13.8

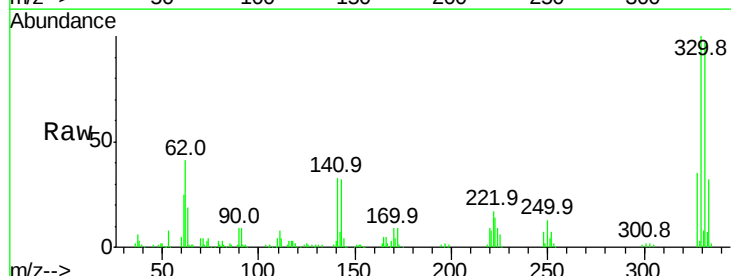


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

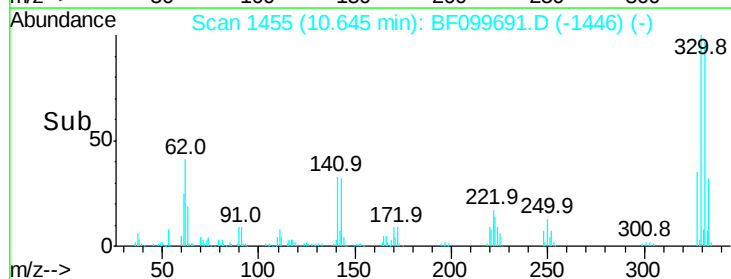
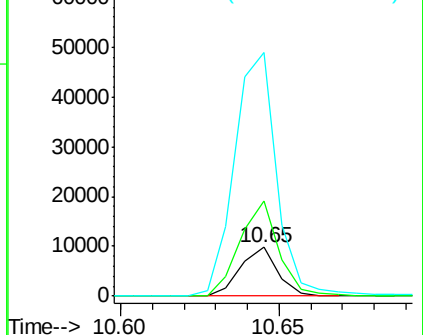


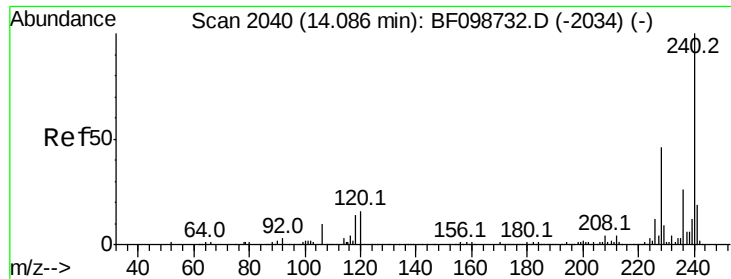
#66
4-Bromophenyl-phenylether
Concen: 3.423 ng
RT: 10.65 min Scan# 1455
Delta R.T. -0.25 min
Lab File: BF099691.D
Acq: 20 Oct 2017 8:00

Tgt Ion:248 Resp: 7944
Ion Ratio Lower Upper
248 100
250 195.1 76.9 115.3#
141 499.2 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: 20.000 ng

RT: 13.98 min Scan# 2022

Delta R.T. -0.02 min

Lab File: BF099691.D

Acq: 20 Oct 2017 8:00

Instrument :

BNA_F

ClientSampleId :

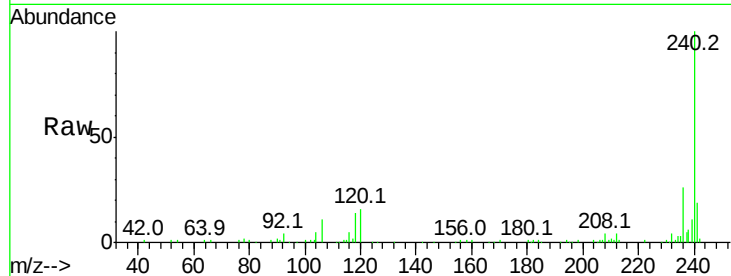
Tot Ion:240 Resp: 156275

Ion Ratio Lower Upper

240 100

120 15.8 9.5 14.3#

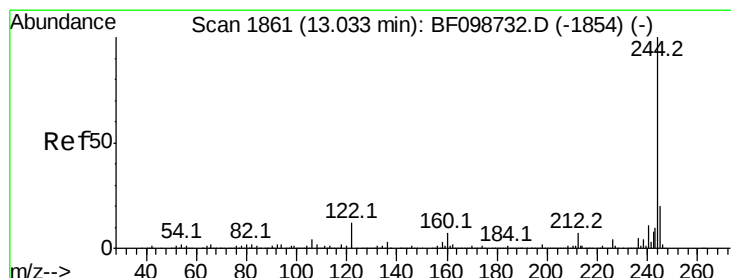
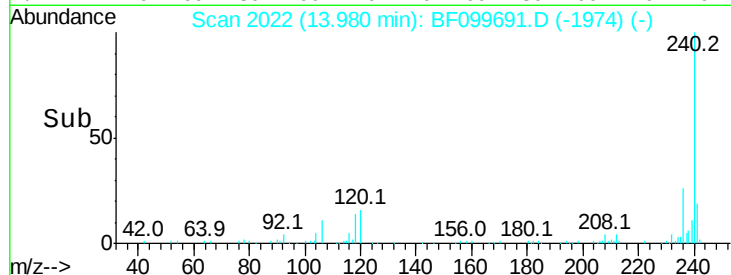
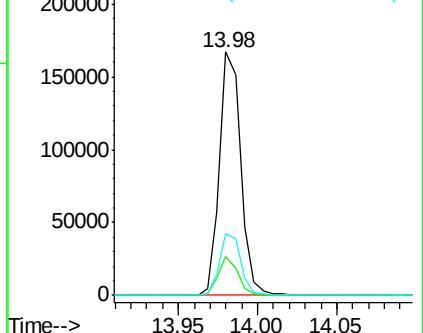
236 25.6 20.7 31.1



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: 104.052 ng

RT: 12.92 min Scan# 1842

Delta R.T. -0.01 min

Lab File: BF099691.D

Acq: 20 Oct 2017 8:00

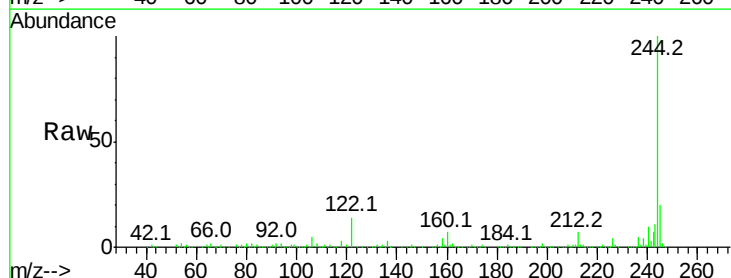
Tgt Ion:244 Resp: 715009

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

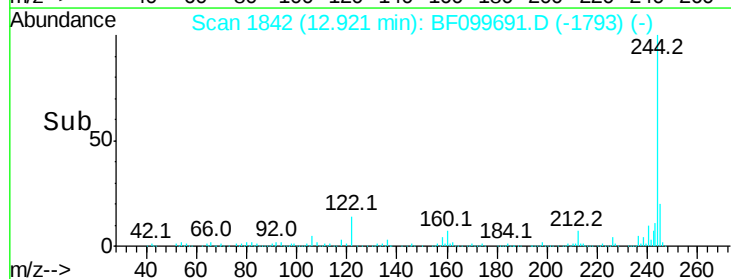
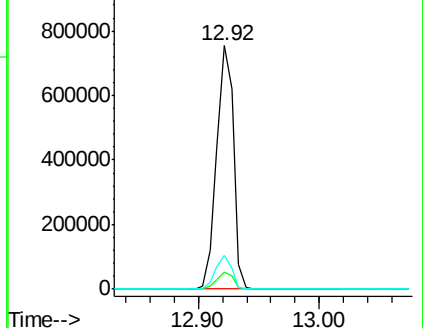
122 14.1 11.0 16.4

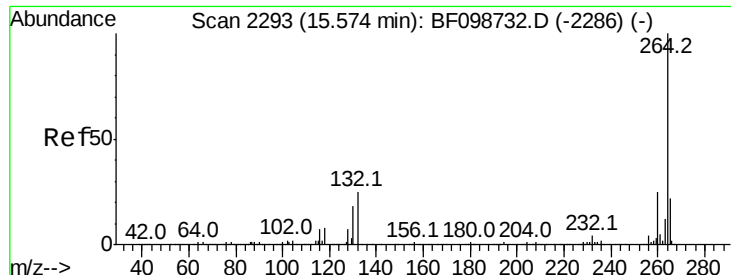


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

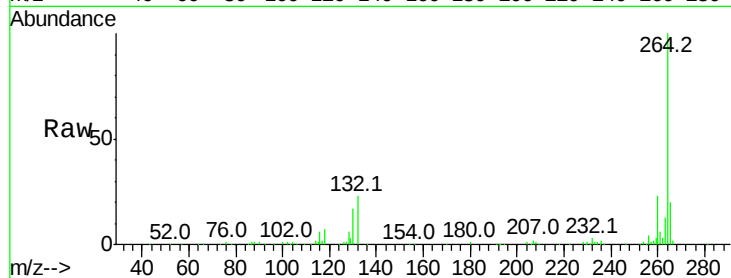




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.44 min Scan# 2271
 Delta R.T. -0.01 min
 Lab File: BF099691.D
 Acq: 20 Oct 2017 8:00

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.2	28.8
265	20.4	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

