

Data Path : Z:\HPCHEM1\BNA F\DATA\BF091817\
 Data File : BF098629.D
 Acq On : 19 Sep 2017 4:33
 Operator : SJ/JU
 Sample : I5262-04
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 19 05:43:59 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF091117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 18 13:37:24 2017
 Response via : Initial Calibration

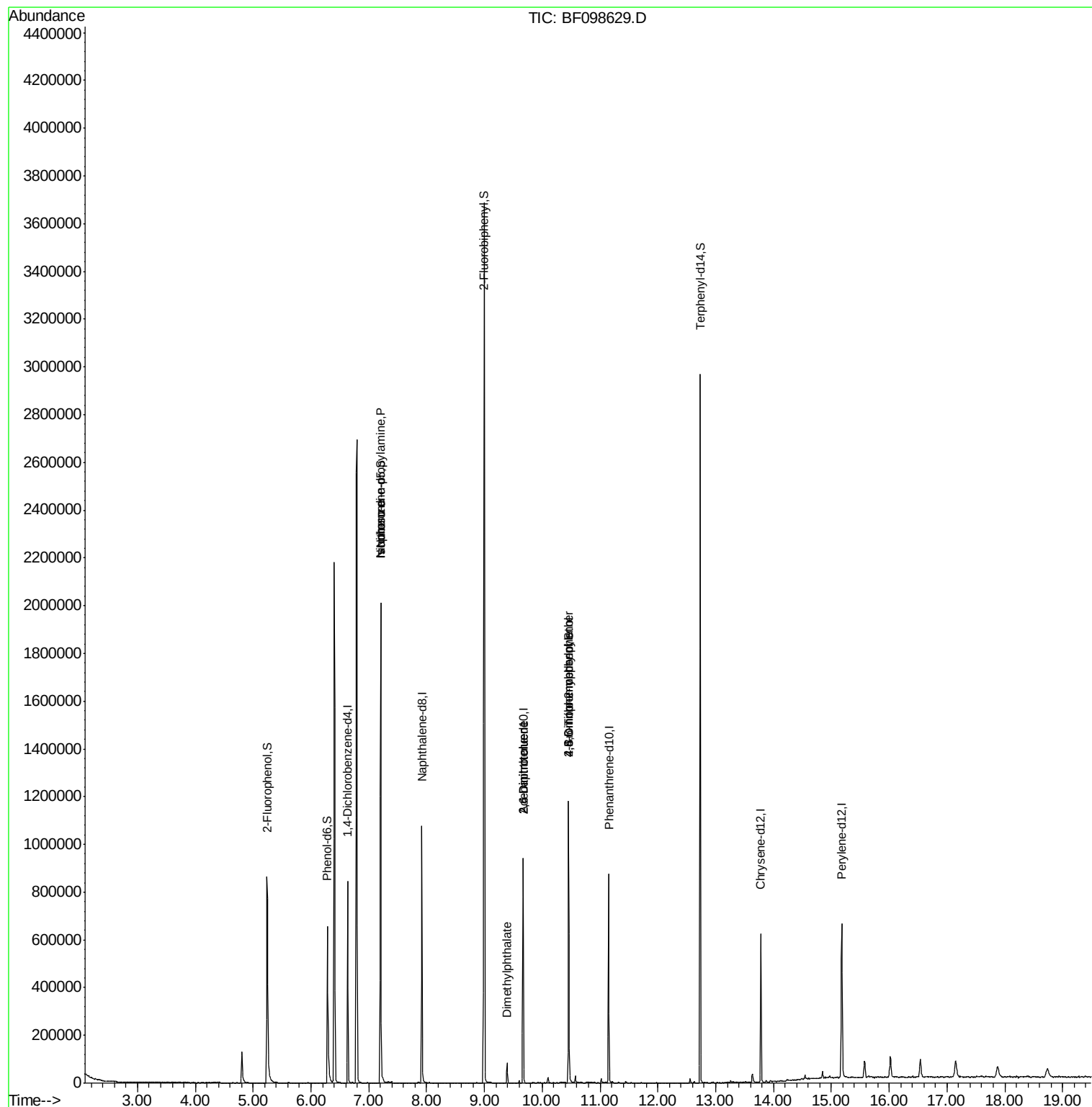
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.63	152	114009	20.00	ng	0.00
21) Naphthalene-d8	7.92	136	458765	20.00	ng	0.00
38) Acenaphthene-d10	9.67	164	181191	20.00	ng	0.00
63) Phenanthrene-d10	11.15	188	309370	20.00	ng	0.00
75) Chrysene-d12	13.78	240	209066	20.00	ng	0.00
86) Perylene-d12	15.18	264	251069	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.24	112	293593	38.07	ng	0.00
7) Phenol-d6	6.29	99	237473	24.26	ng	0.00
23) Nitrobenzene-d5	7.20	82	706445	85.85	ng	0.00
41) 2,4,6-Tribromophenol	10.46	330	111426	92.14	ng	0.00
44) 2-Fluorobiphenyl	9.00	172	1140694	106.70	ng	0.00
78) Terphenyl-d14	12.73	244	817550	84.41	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.20	70	96183	15.618	ng	# 81
25) Isophorone	7.20	82	706439	42.430	ng	# 67
49) Dimethylphthalate	9.39	163	32778	2.337	ng	# 99
50) 2,6-Dinitrotoluene	9.67	165	22775	7.905	ng	# 34
56) 2,4-Dinitrotoluene	9.67	165	22775	6.502	ng	# 33
64) 4,6-Dinitro-2-methylphenol	10.46	198	249	5.082	ng	# 1
66) 4-Bromophenyl-phenylether	10.46	248	8648	2.945	ng	# 1

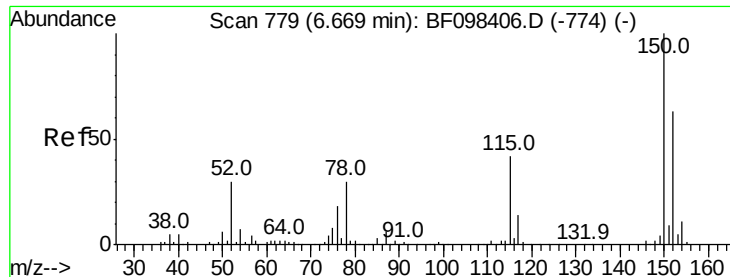
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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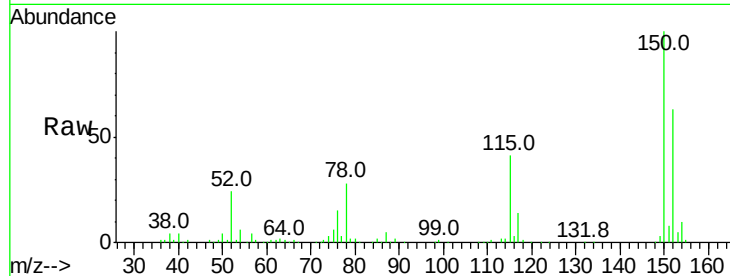


#1

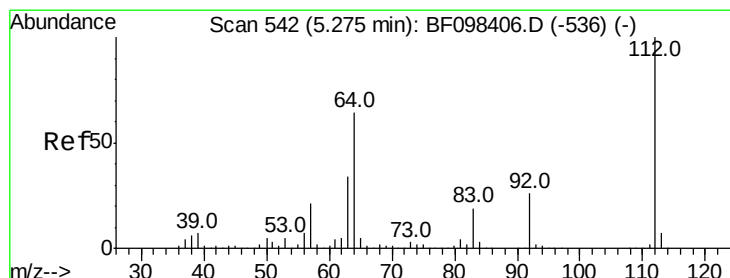
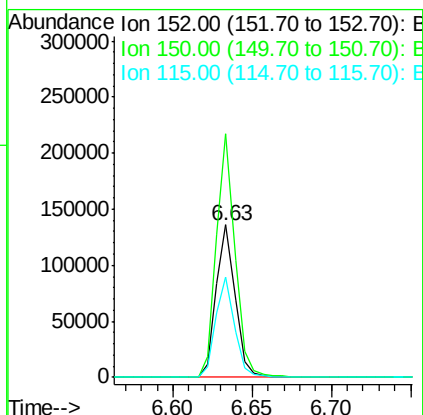
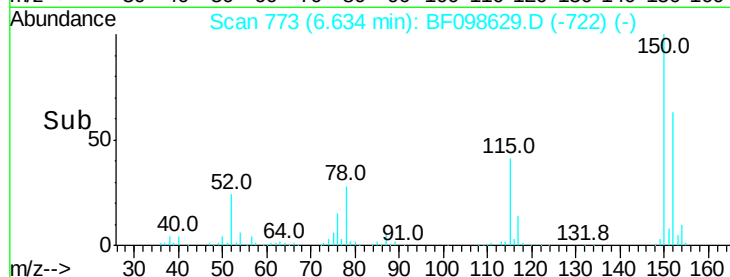
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.63 min Scan# 773
 Delta R.T. -0.00 min
 Lab File: BF098629.D
 Acq: 19 Sep 2017 4:33

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.8	126.2	189.2
115	66.2	52.2	78.2



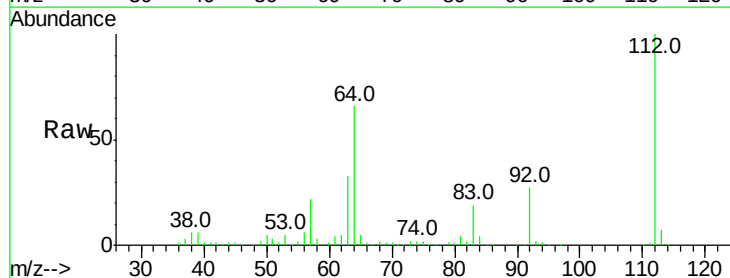
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



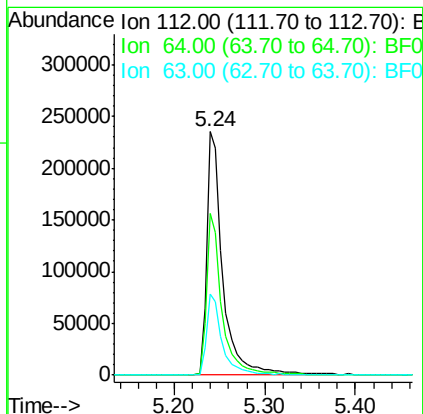
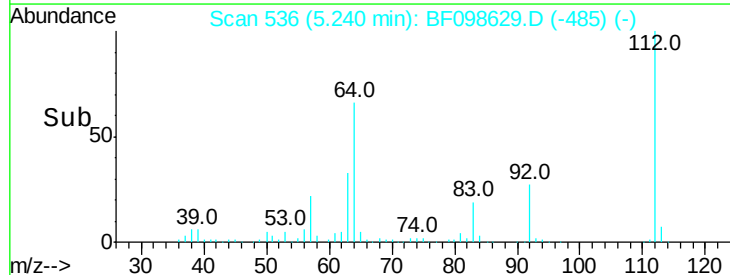
#5

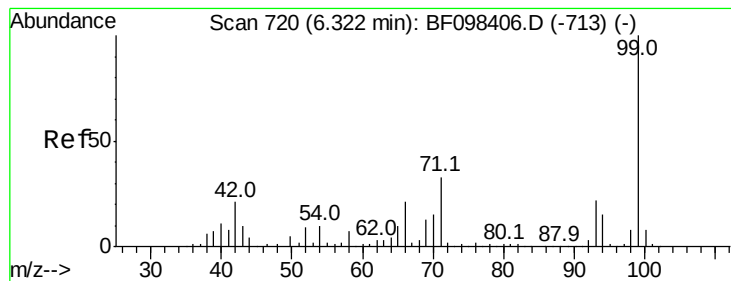
2-Fluorophenol
 Concen: 38.075 ng
 RT: 5.24 min Scan# 536
 Delta R.T. -0.00 min
 Lab File: BF098629.D
 Acq: 19 Sep 2017 4:33

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.4	46.0	69.0
63	33.5	23.4	35.0



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: 24.256 ng

RT: 6.29 min Scan# 714

Delta R.T. -0.01 min

Lab File: BF098629.D

Acq: 19 Sep 2017 4:33

Instrument :

BNA_F

ClientSampleId :

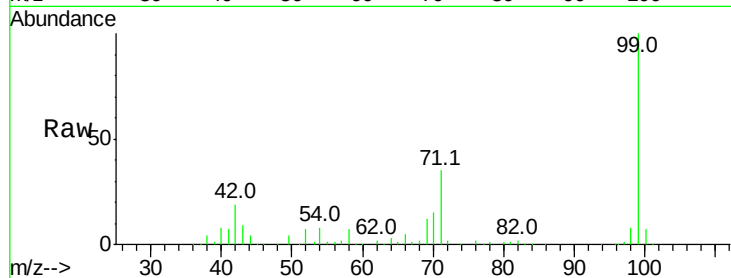
Tot Ion: 99 Resp: 237473

Ion Ratio Lower Upper

99 100

42 19.1 13.5 20.3

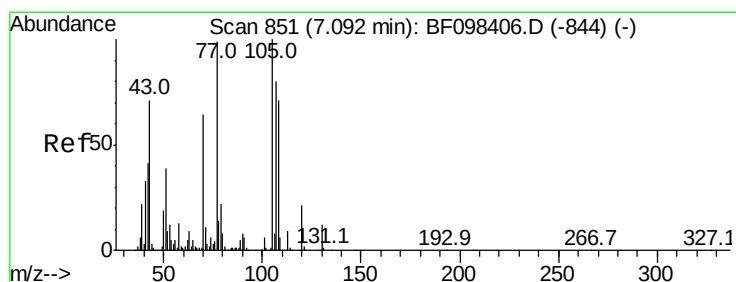
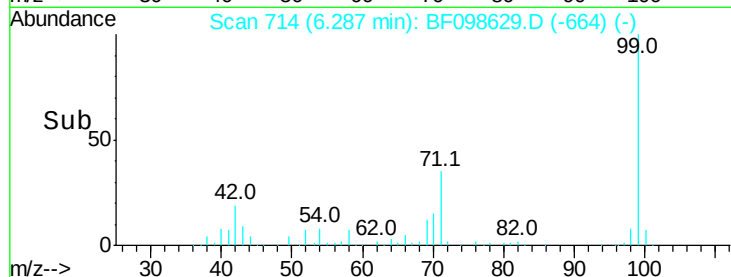
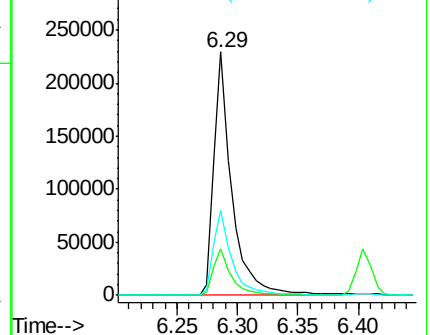
71 35.0 24.5 36.7



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: 15.618 ng

RT: 7.20 min Scan# 870

Delta R.T. 0.15 min

Lab File: BF098629.D

Acq: 19 Sep 2017 4:33

Tgt Ion: 70 Resp: 96183

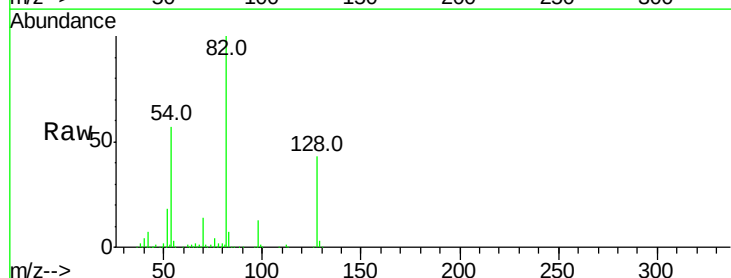
Ion Ratio Lower Upper

70 100

42 50.5 47.2 70.8

101 0.0 7.2 10.8#

130 2.2 15.9 23.9#

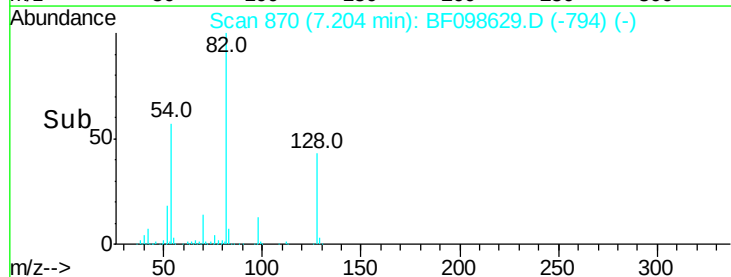
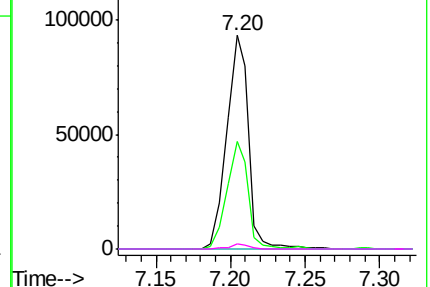


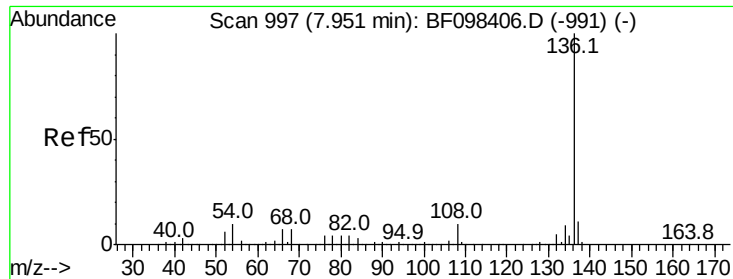
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

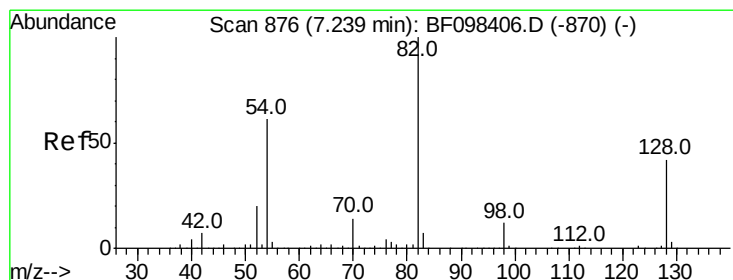
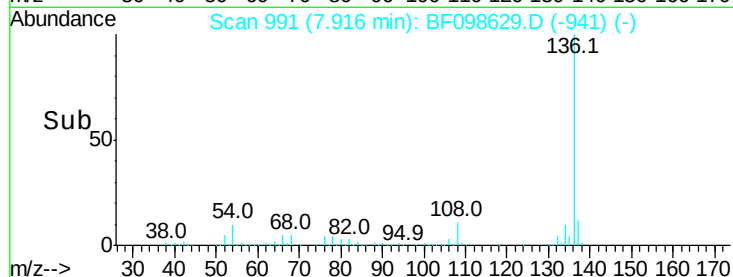
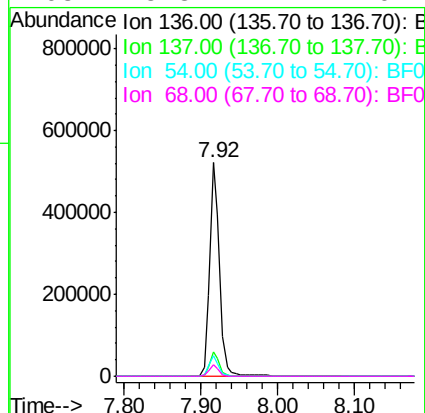
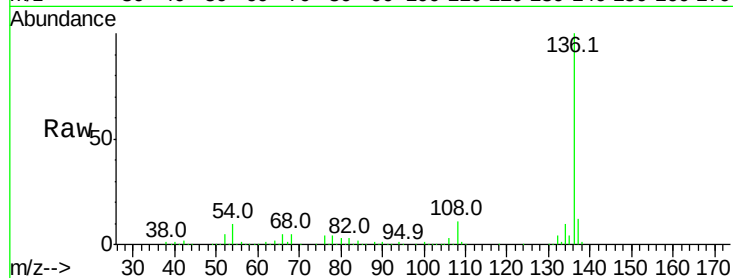




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.92 min Scan# 991
Delta R.T. -0.01 min
Lab File: BF098629.D
Acq: 19 Sep 2017 4:33

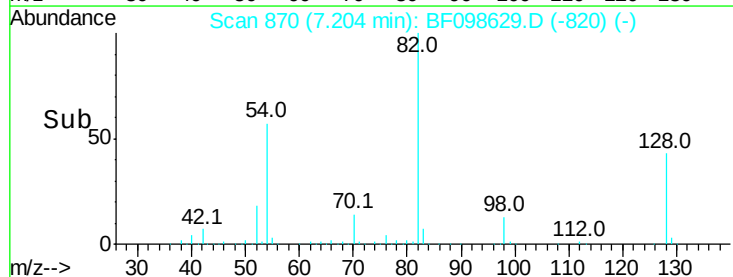
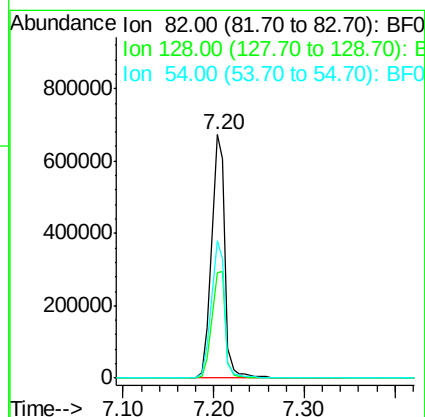
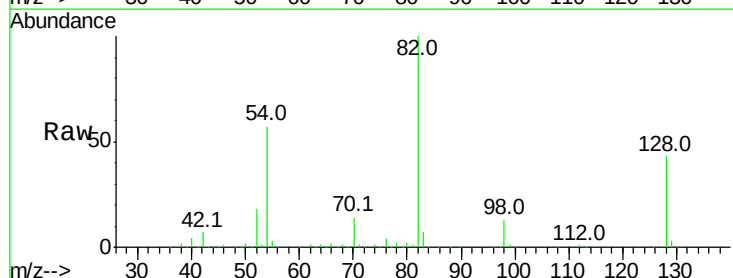
Instrument :
BNA_F
ClientSampleId :

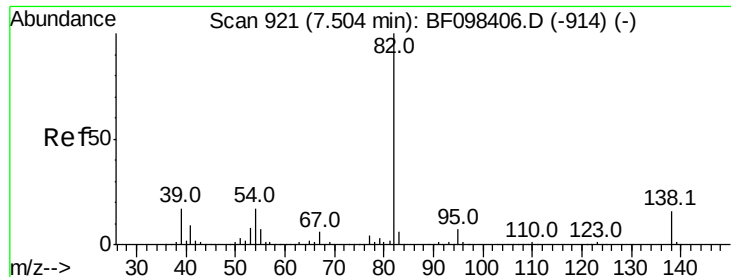
Tot Ion:	136	Resp:	458765
Ion	Ratio	Lower	Upper
136	100		
137	11.6	8.5	12.7
54	9.7	4.9	7.3#
68	5.3	4.1	6.1



#23
Nitrobenzene-d5
Concen: 85.848 ng
RT: 7.20 min Scan# 870
Delta R.T. -0.01 min
Lab File: BF098629.D
Acq: 19 Sep 2017 4:33

Tgt Ion:	82	Resp:	706445
Ion	Ratio	Lower	Upper
82	100		
128	43.2	34.0	51.0
54	56.5	42.2	63.2





#25

Isophorone

Concen: 42.430 ng

RT: 7.20 min Scan# 870

Delta R.T. -0.26 min

Lab File: BF098629.D

Acq: 19 Sep 2017 4:33

Instrument :

BNA_F

ClientSampled :

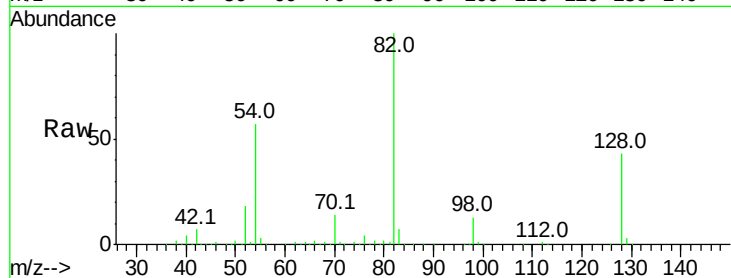
Tot Ion: 82 Resp: 706439

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

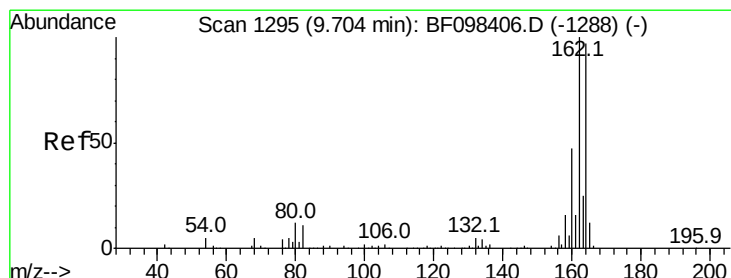
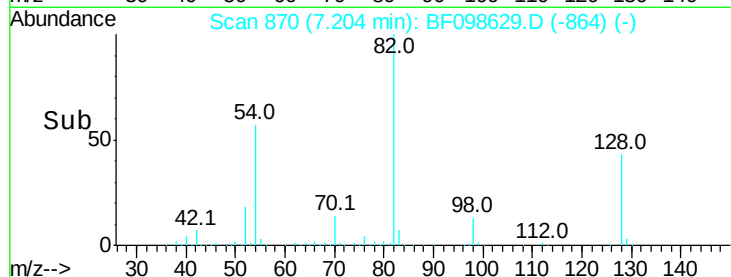
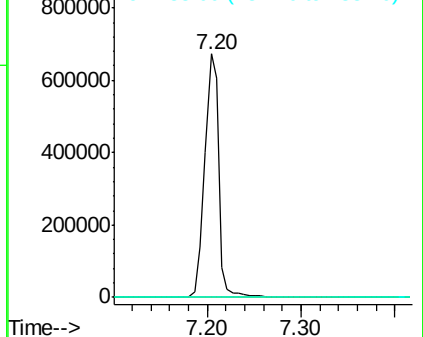
138 0.0 13.1 19.7#



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: 9.67 min Scan# 1289

Delta R.T. -0.00 min

Lab File: BF098629.D

Acq: 19 Sep 2017 4:33

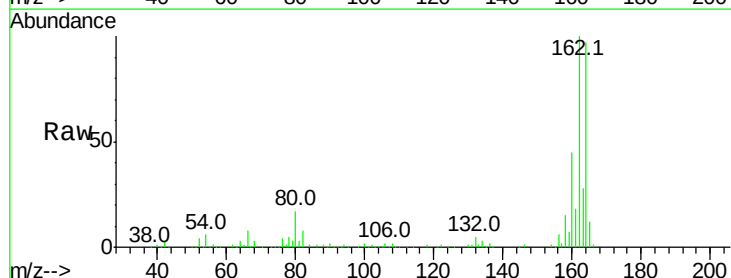
Tgt Ion: 164 Resp: 181191

Ion Ratio Lower Upper

164 100

162 103.4 82.6 123.8

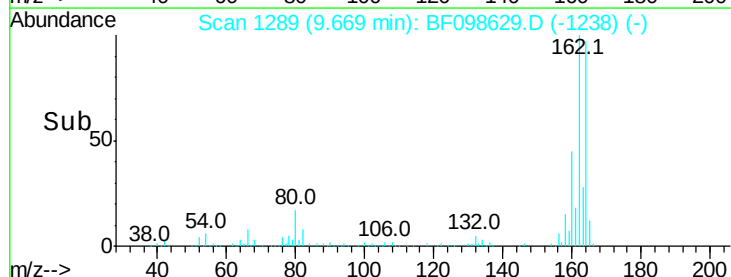
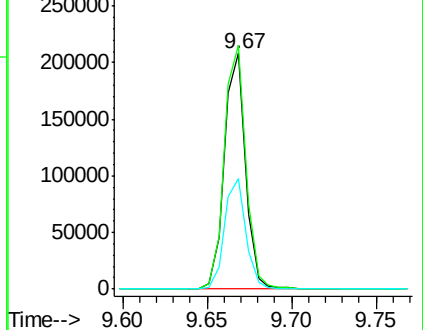
160 46.7 36.2 54.2

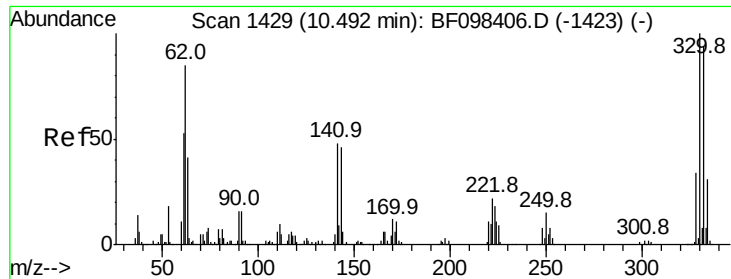


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

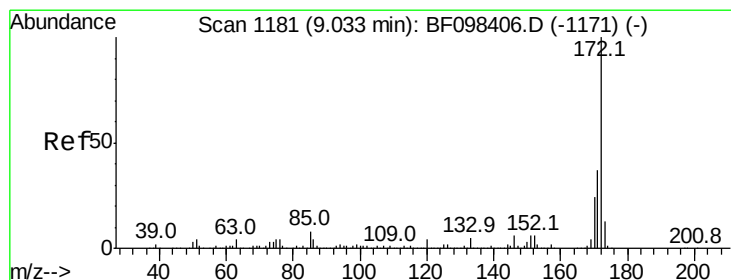
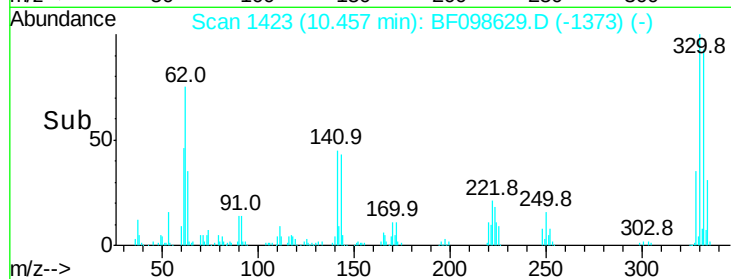
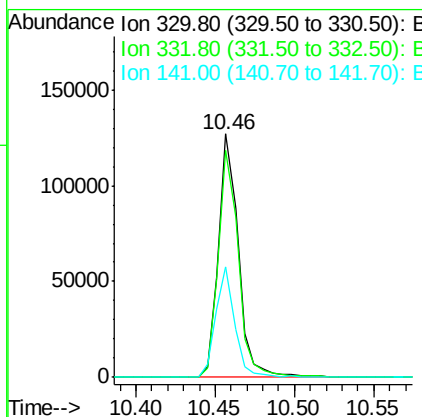
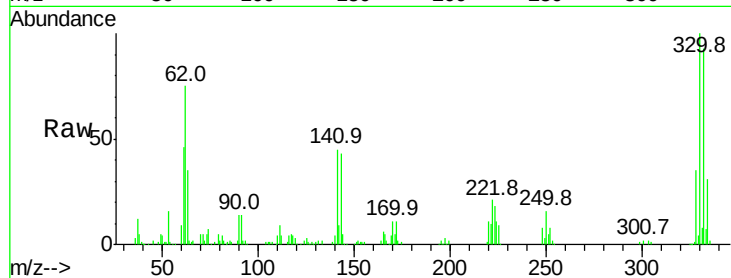




#41
 2,4,6-Tribromophenol
 Concen: 92.141 ng
 RT: 10.46 min Scan# 1423
 Delta R.T. -0.01 min
 Lab File: BF098629.D
 Acq: 19 Sep 2017 4:33

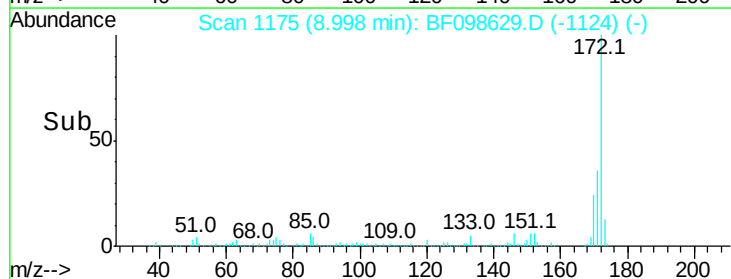
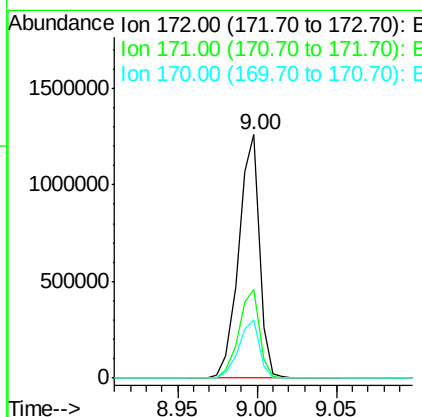
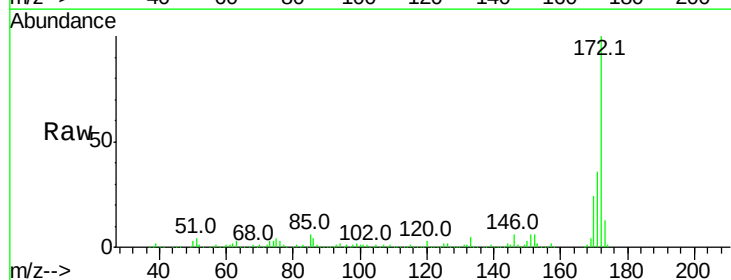
Instrument :
 BNA_F
 ClientSampleId :

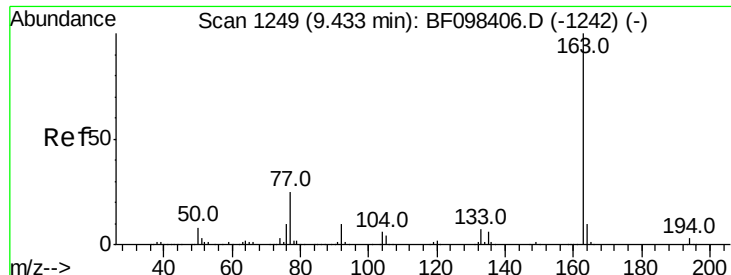
Tot Ion:330 Resp: 111426
 Ion Ratio Lower Upper
 330 100
 332 94.3 76.6 115.0
 141 43.6 31.4 47.2



#44
 2-Fluorobiphenyl
 Concen: 106.704 ng
 RT: 9.00 min Scan# 1175
 Delta R.T. -0.00 min
 Lab File: BF098629.D
 Acq: 19 Sep 2017 4:33

Tgt Ion:172 Resp: 1140694
 Ion Ratio Lower Upper
 172 100
 171 36.4 29.6 44.4
 170 23.7 19.8 29.8

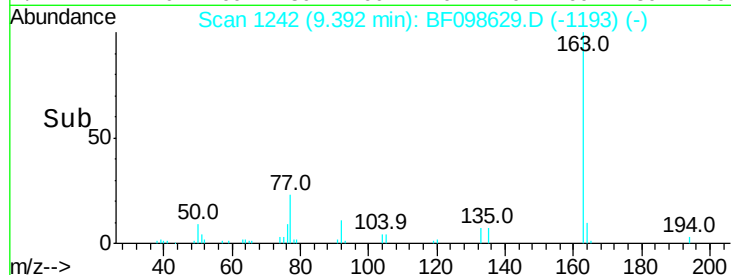
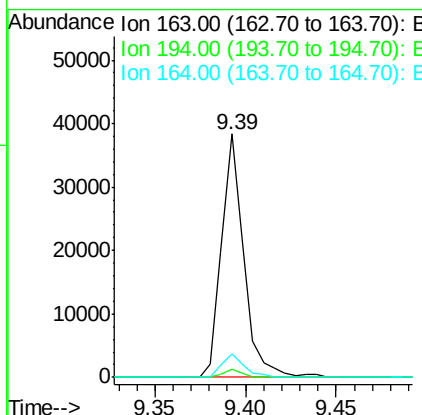
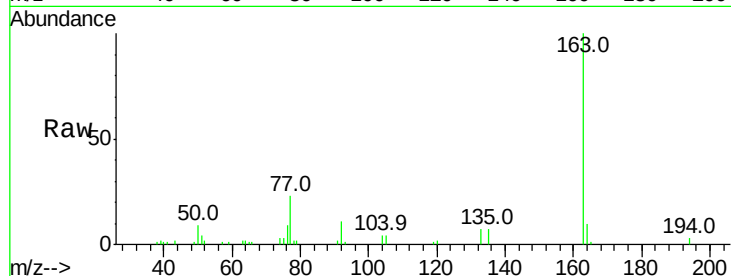




#49
Dimethylphthalate
Concen: 2.337 ng
RT: 9.39 min Scan# 1242
Delta R.T. -0.01 min
Lab File: BF098629.D
Acq: 19 Sep 2017 4:33

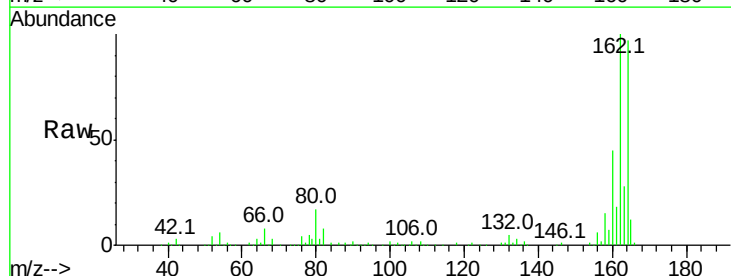
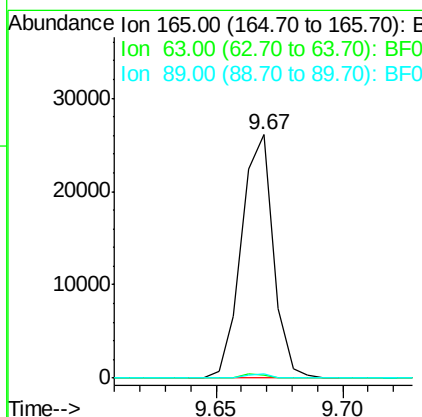
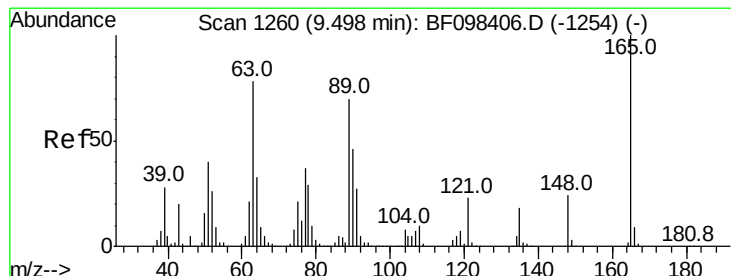
Instrument :
BNA_F
ClientSampled :

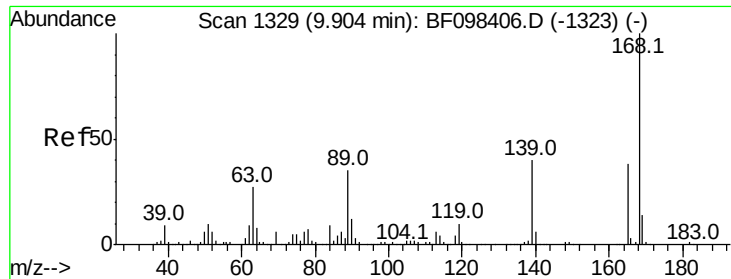
Tot Ion:163 Resp: 32778
Ion Ratio Lower Upper
163 100
194 3.4 2.6 4.0
164 9.9 8.4 12.6



#50
2,6-Dinitrotoluene
Concen: 7.905 ng
RT: 9.67 min Scan# 1289
Delta R.T. 0.20 min
Lab File: BF098629.D
Acq: 19 Sep 2017 4:33

Tgt Ion:165 Resp: 22775
Ion Ratio Lower Upper
165 100
63 1.3 34.3 51.5#
89 1.7 37.1 55.7#

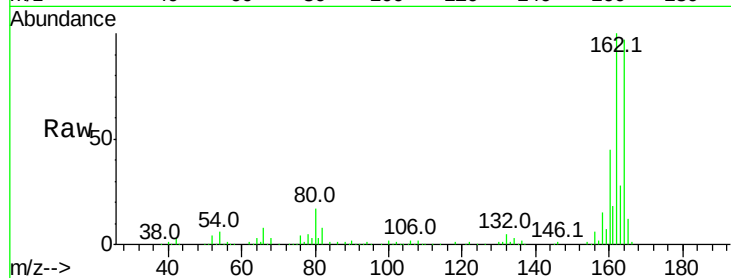




#56
 2,4-Dinitrotoluene
 Concen: 6.502 ng
 RT: 9.67 min Scan# 1289
 Delta R.T. -0.21 min
 Lab File: BF098629.D
 Acq: 19 Sep 2017 4:33

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.3	25.4	38.0#
89	1.7	46.4	69.6#
182	0.0	1.8	2.6#

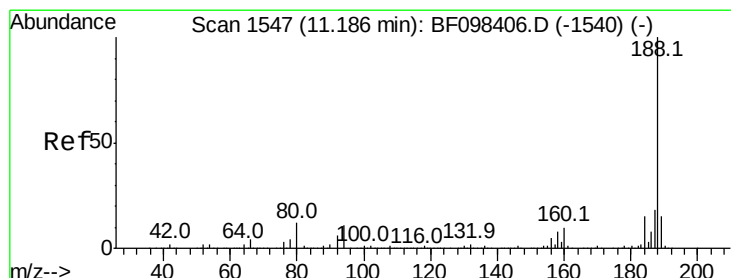
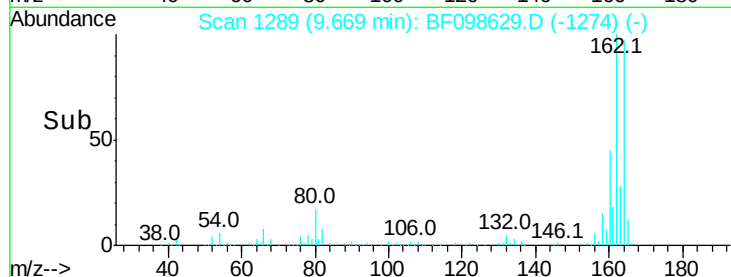
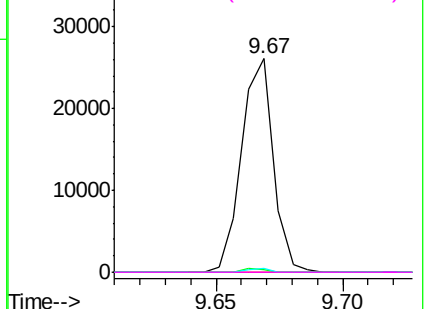


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

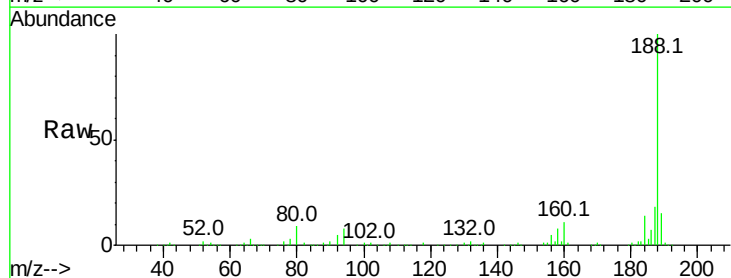
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.15 min Scan# 1541
 Delta R.T. -0.00 min
 Lab File: BF098629.D
 Acq: 19 Sep 2017 4:33

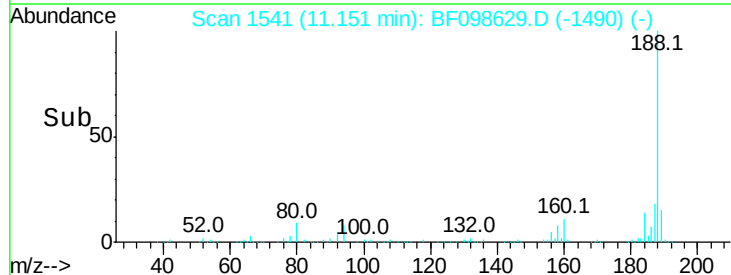
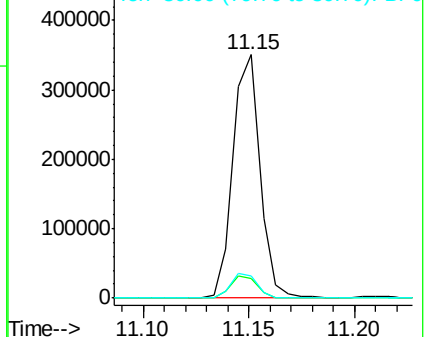
Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.9	9.4	14.2#
80	8.9	10.2	15.2#

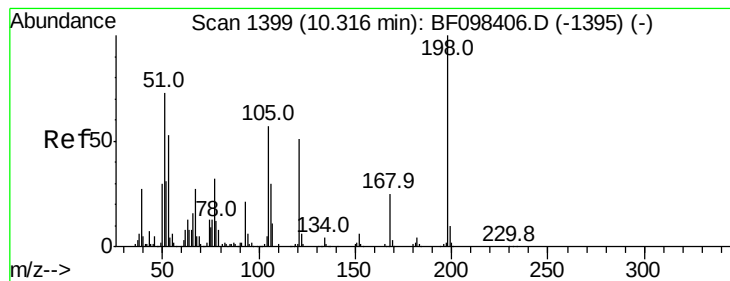


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#64

4,6-Dinitro-2-methylphenol

Concen: 5.082 ng

RT: 10.46 min Scan# 1423

Delta R.T. 0.16 min

Lab File: BF098629.D

Acq: 19 Sep 2017 4:33

Instrument :

BNA_F

ClientSampleId :

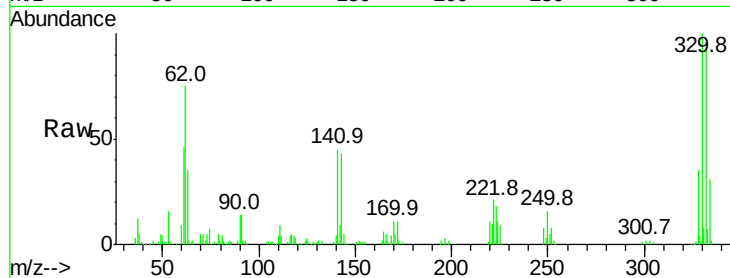
Tot Ion:198 Resp: 249

Ion Ratio Lower Upper

198 100

51 247.6 53.2 93.2#

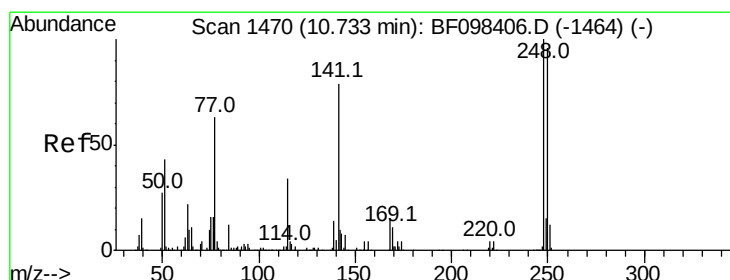
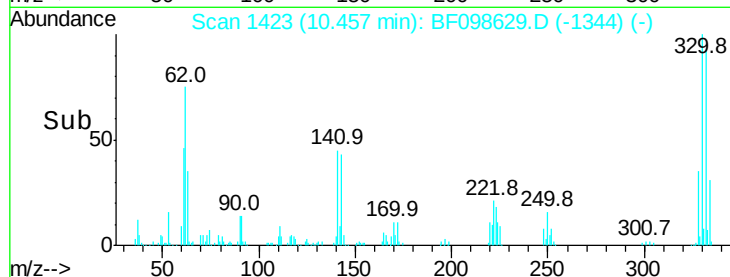
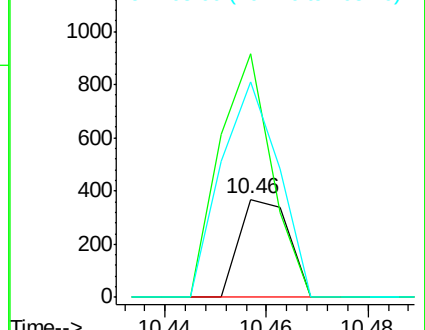
105 218.9 45.8 85.8#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E



#66

4-Bromophenyl-phenylether

Concen: 2.945 ng

RT: 10.46 min Scan# 1423

Delta R.T. -0.24 min

Lab File: BF098629.D

Acq: 19 Sep 2017 4:33

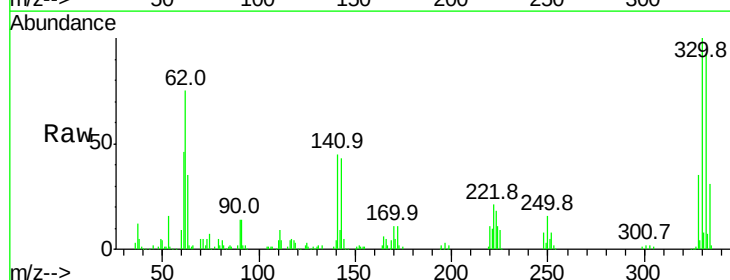
Tgt Ion:248 Resp: 8648

Ion Ratio Lower Upper

248 100

250 199.3 76.8 115.2#

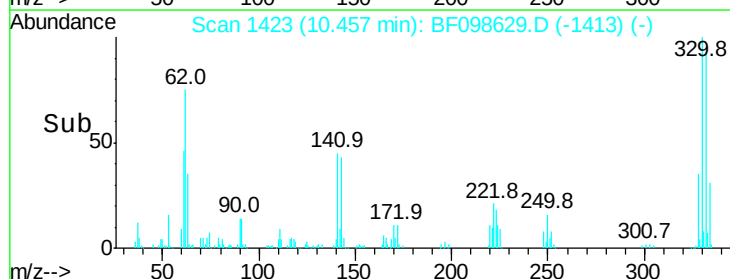
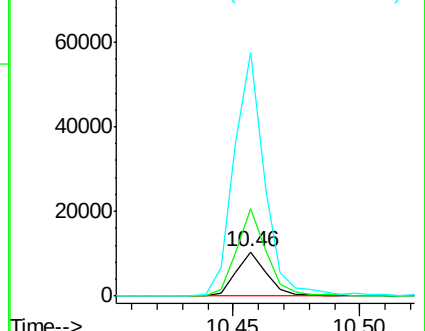
141 553.5 68.6 103.0#

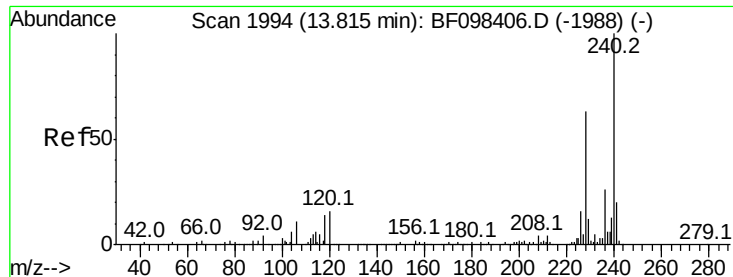


Abundance Ion 248.00 (247.70 to 248.70): E

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: 13.78 min Scan# 1988

Delta R.T. -0.01 min

Lab File: BF098629.D

Acq: 19 Sep 2017 4:33

Instrument :

BNA_F

ClientSampleId :

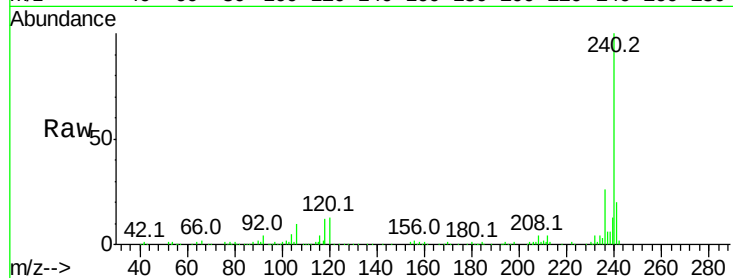
Tot Ion:240 Resp: 209066

Ion Ratio Lower Upper

240 100

120 13.2 5.8 8.8#

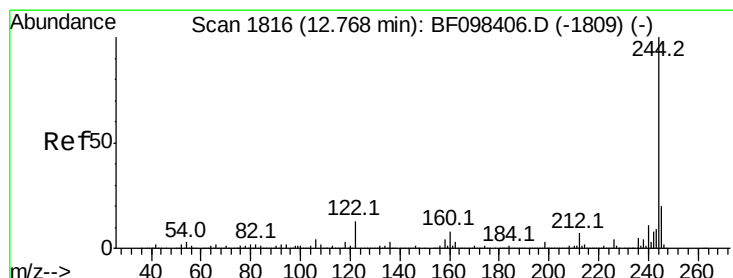
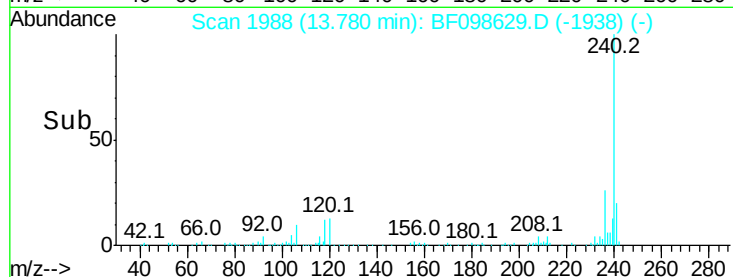
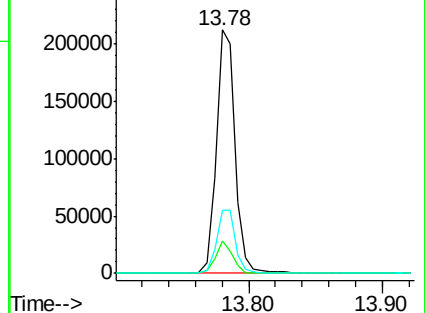
236 25.8 20.5 30.7



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: 84.406 ng

RT: 12.73 min Scan# 1810

Delta R.T. -0.00 min

Lab File: BF098629.D

Acq: 19 Sep 2017 4:33

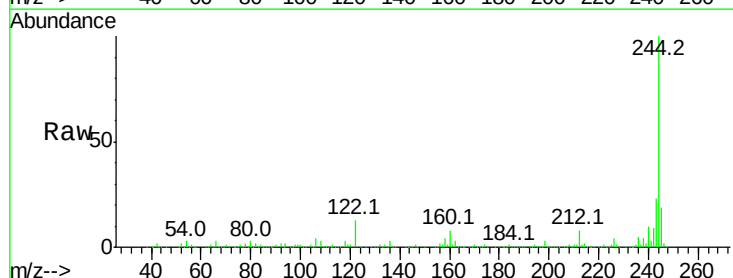
Tgt Ion:244 Resp: 817550

Ion Ratio Lower Upper

244 100

212 7.6 6.0 9.0

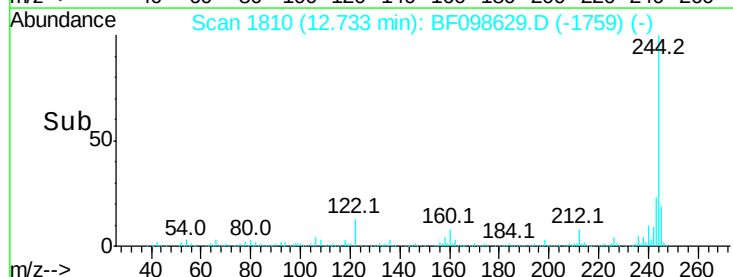
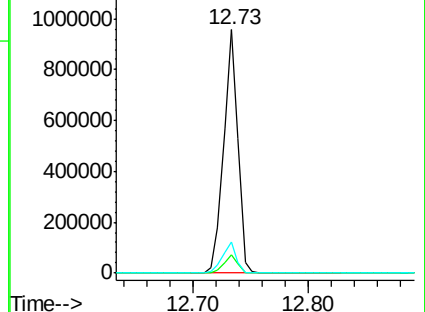
122 12.9 10.3 15.5

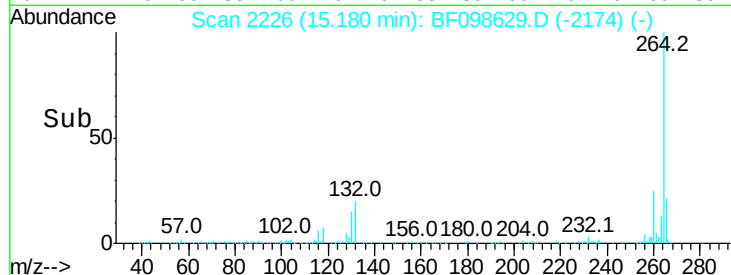
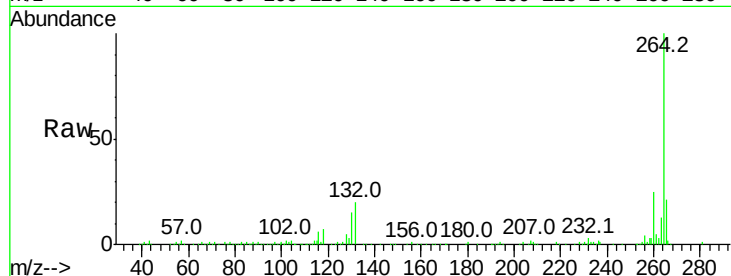
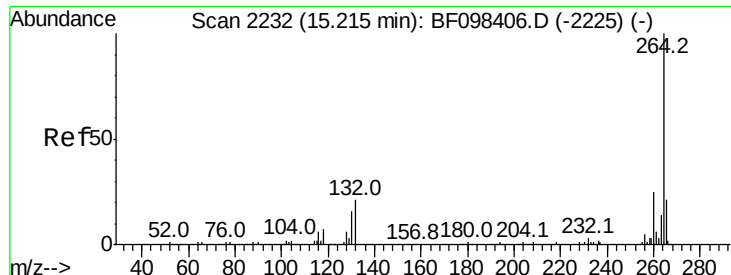


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.18 min Scan# 2226
 Delta R.T. 0.01 min
 Lab File: BF098629.D
 Acq: 19 Sep 2017 4:33

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.5	29.3
265	21.4	17.2	25.8

