

Data Path : Z:\HPCHEM1\BNA F\DATA\BF091517\
 Data File : BF098593.D
 Acq On : 16 Sep 2017 2:39
 Operator : SJ/JU
 Sample : I5127-02
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LP-SLUDGE

Quant Time: Sep 16 04:24:24 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF091117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 12 02:14:50 2017
 Response via : Initial Calibration

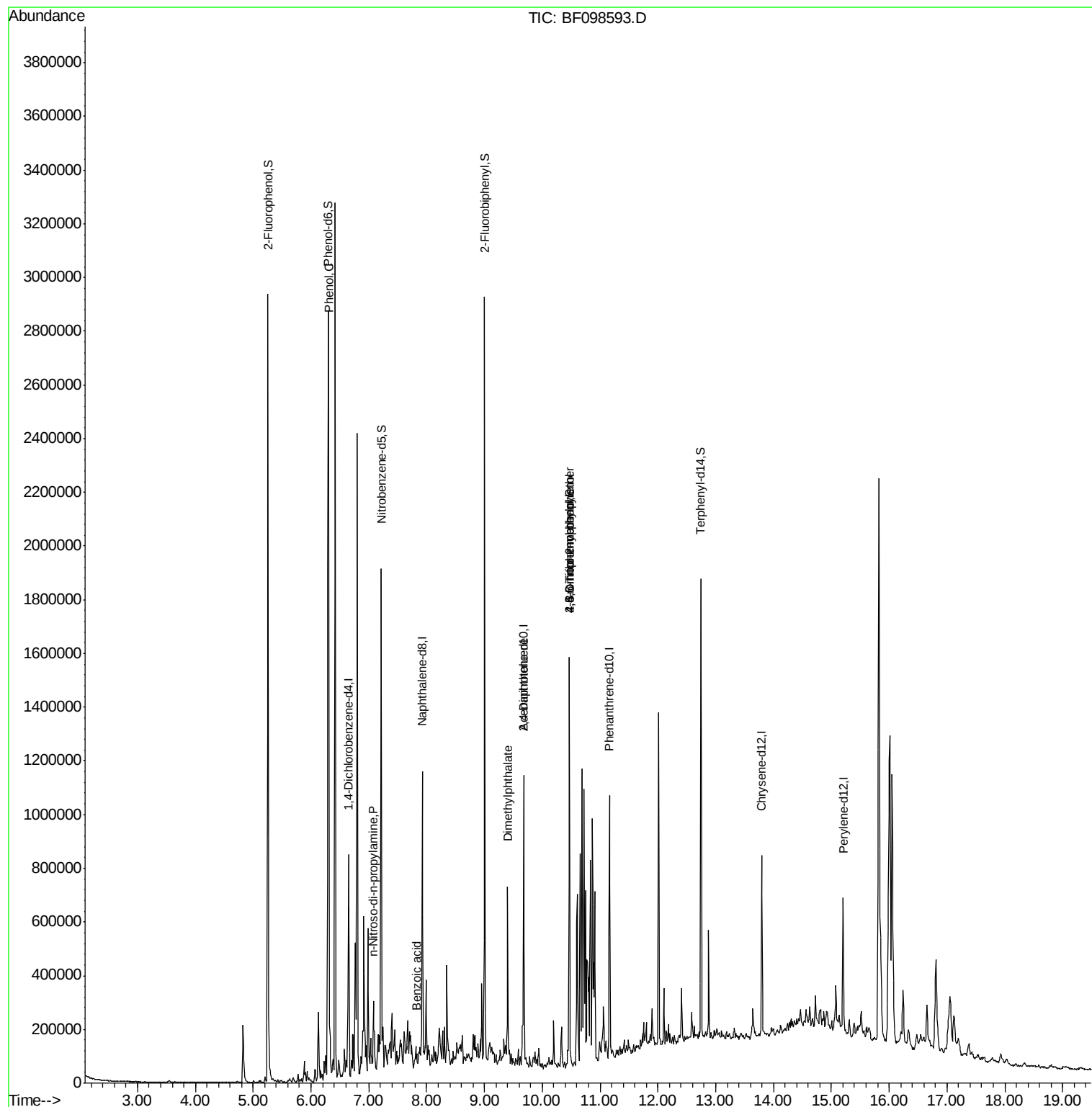
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.65	152	114234	20.00	ng	-0.02
21) Naphthalene-d8	7.93	136	429369	20.00	ng	-0.02
38) Acenaphthene-d10	9.68	164	189870	20.00	ng	-0.02
63) Phenanthrene-d10	11.16	188	307204	20.00	ng	-0.02
75) Chrysene-d12	13.80	240	207349	20.00	ng	-0.02
86) Perylene-d12	15.20	264	205034	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	849241	109.92	ng	-0.02
7) Phenol-d6	6.30	99	1100529	112.19	ng	-0.02
23) Nitrobenzene-d5	7.22	82	556166	72.21	ng	-0.02
41) 2,4,6-Tribromophenol	10.47	330	153820	121.38	ng	-0.02
44) 2-Fluorobiphenyl	9.00	172	818636	73.08	ng	-0.03
78) Terphenyl-d14	12.74	244	509898	53.08	ng	-0.02
Target Compounds						
10) Phenol	6.31	94	48308	4.240	ng	85
19) n-Nitroso-di-n-propylamine	7.08	70	15240	2.470	ng	# 62
32) Benzoic acid	7.84	122	143	7.996	ng	# 39
49) Dimethylphthalate	9.40	163	148421	10.098	ng	98
56) 2,4-Dinitrotoluene	9.68	165	24998	6.811	ng	# 34
64) 4,6-Dinitro-2-methylphenol	10.47	198	317	5.115	ng	# 1
66) 4-Bromophenyl-phenylether	10.47	248	11930	4.092	ng	# 1

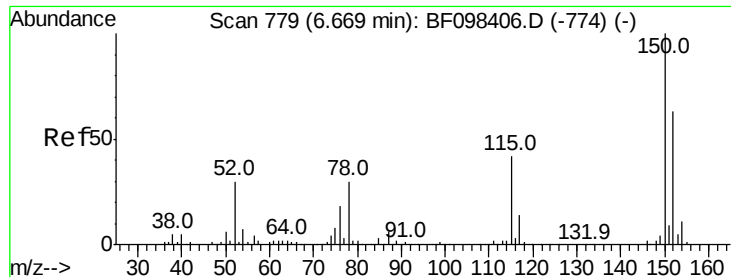
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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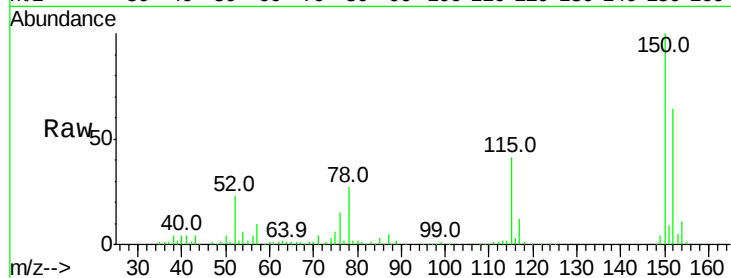


#1

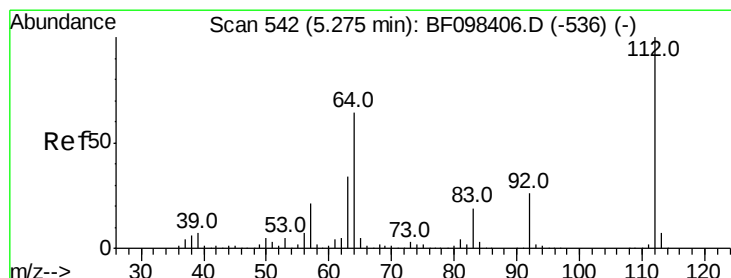
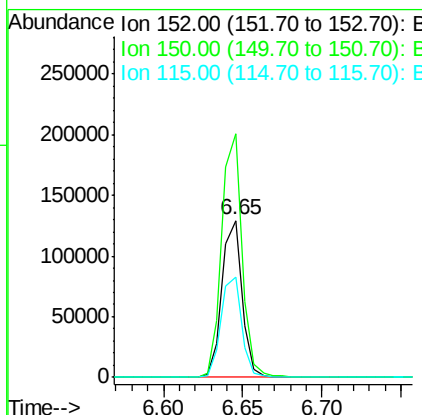
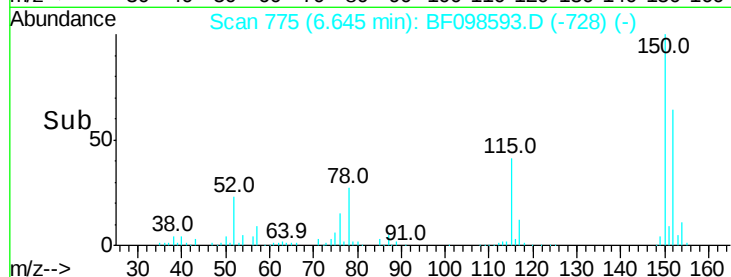
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.65 min Scan# 775
Delta R.T. -0.02 min
Lab File: BF098593.D
Acq: 16 Sep 2017 2:39

Instrument :
BNA_F
ClientSampleId :
LP-SLUDGE

Tot Ion:152 Resp: 114234
Ion Ratio Lower Upper
152 100
150 155.2 126.2 189.2
115 63.6 52.2 78.2



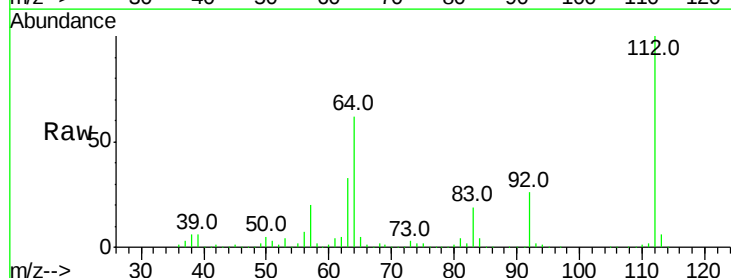
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



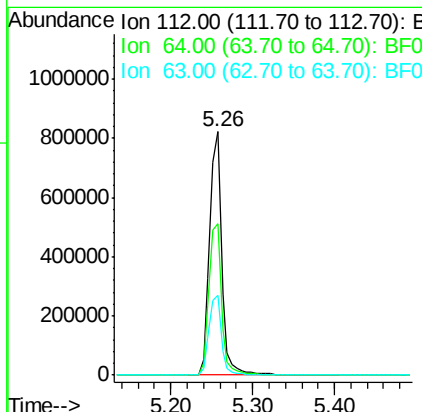
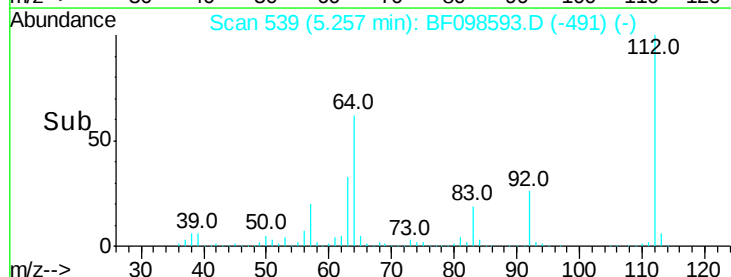
#5

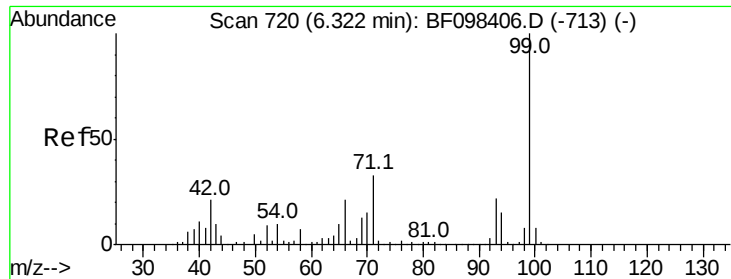
2-Fluorophenol
Concen: 109.917 ng
RT: 5.26 min Scan# 539
Delta R.T. -0.02 min
Lab File: BF098593.D
Acq: 16 Sep 2017 2:39

Tgt Ion:112 Resp: 849241
Ion Ratio Lower Upper
112 100
64 62.3 46.0 69.0
63 32.8 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: 112.188 ng

RT: 6.30 min Scan# 716

Delta R.T. -0.02 min

Lab File: BF098593.D

Acq: 16 Sep 2017 2:39

Instrument :

BNA_F

ClientSampleId :

LP-SLUDGE

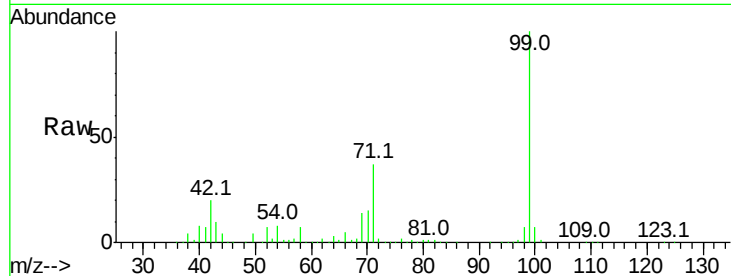
Tot Ion: 99 Resp: 1100529

Ion Ratio Lower Upper

99 100

42 19.8 13.5 20.3

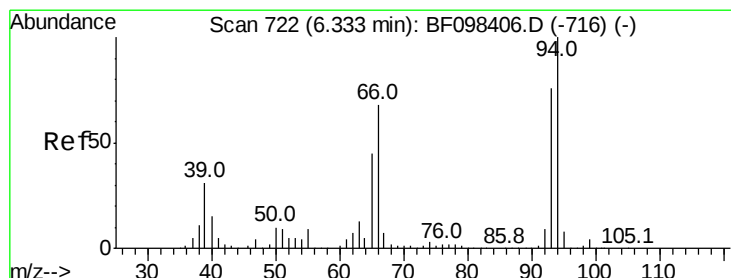
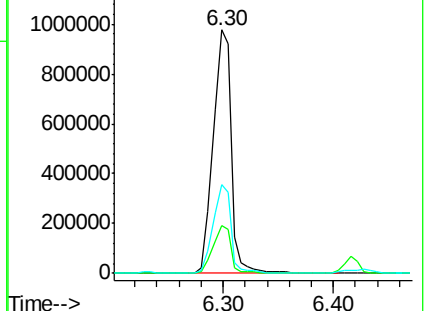
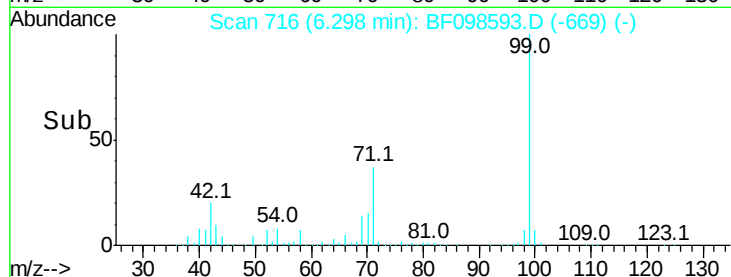
71 36.7 24.5 36.7



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



#10

Phenol

Concen: 4.240 ng

RT: 6.31 min Scan# 718

Delta R.T. -0.02 min

Lab File: BF098593.D

Acq: 16 Sep 2017 2:39

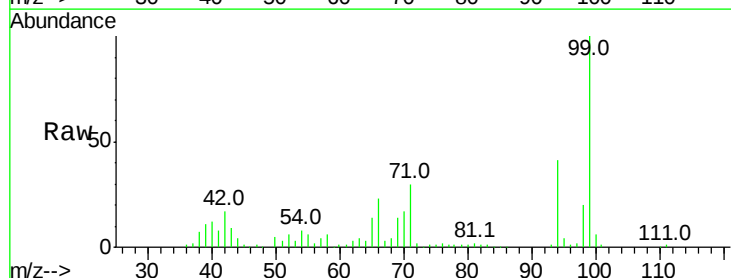
Tgt Ion: 94 Resp: 48308

Ion Ratio Lower Upper

94 100

65 33.5 9.9 49.9

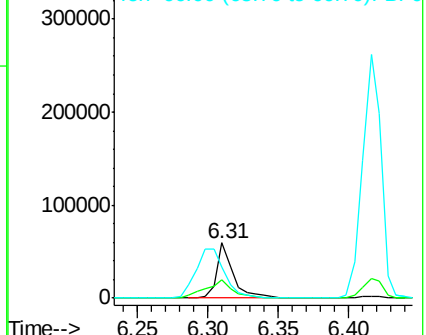
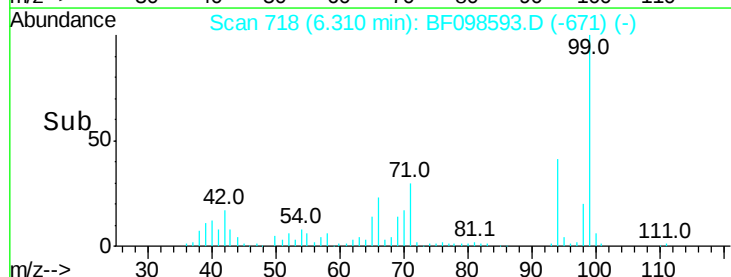
66 56.0 23.1 63.1

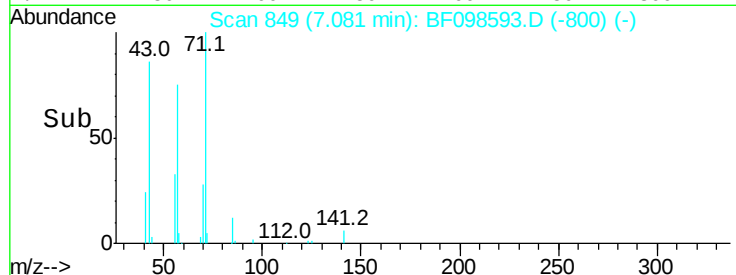
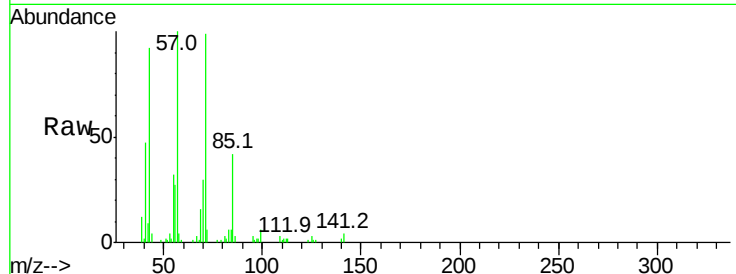
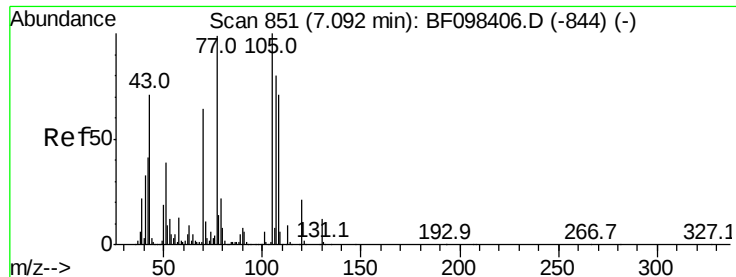


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

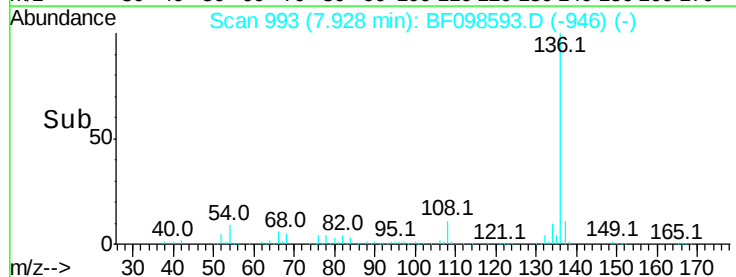
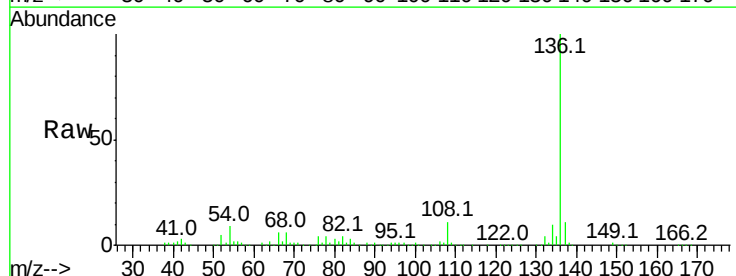
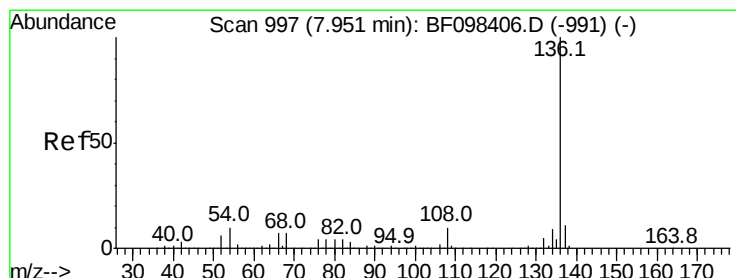
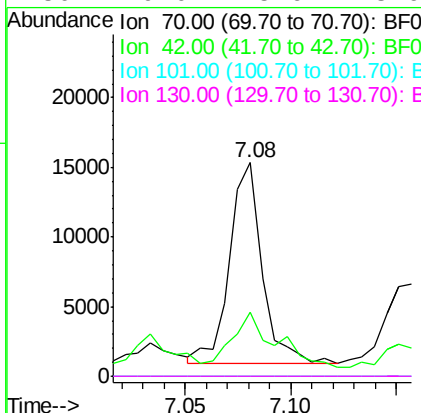




#19
n-Nitroso-di-n-propylamine
Concen: 2.470 ng
RT: 7.08 min Scan# 849
Delta R.T. -0.01 min
Lab File: BF098593.D
Acq: 16 Sep 2017 2:39

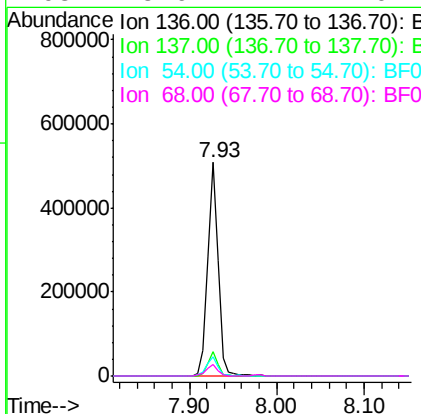
Instrument :
BNA_F
ClientSampleId :
LP-SLUDGE

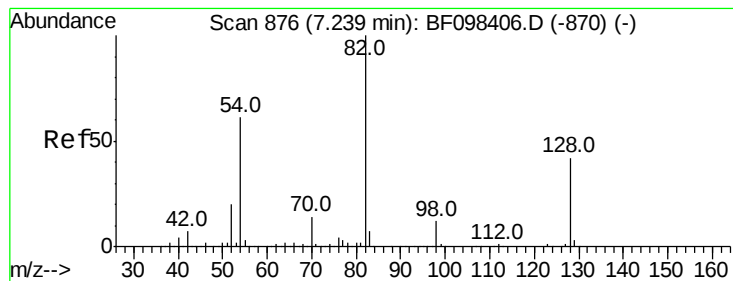
Tot Ion:	70	Resp:	15240
Ion	Ratio	Lower	Upper
70	100		
42	30.3	47.2	70.8#
101	0.0	7.2	10.8#
130	0.0	15.9	23.9#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.93 min Scan# 993
Delta R.T. -0.02 min
Lab File: BF098593.D
Acq: 16 Sep 2017 2:39

Tgt Ion:	136	Resp:	429369
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.5	12.7
54	9.0	4.9	7.3#
68	5.6	4.1	6.1





#23

Nitrobenzene-d5

Concen: 72.213 ng

RT: 7.22 min Scan# 872

Delta R.T. -0.02 min

Lab File: BF098593.D

Acq: 16 Sep 2017 2:39

Instrument :

BNA_F

ClientSampleId :

LP-SLUDGE

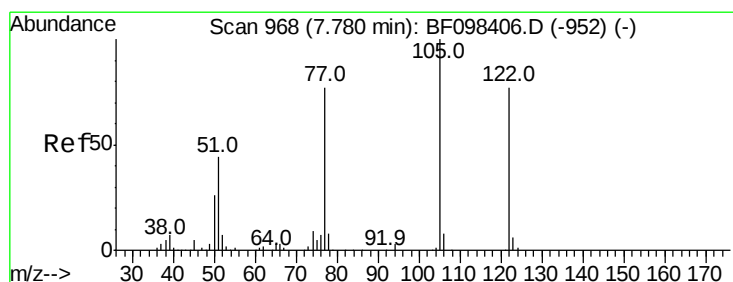
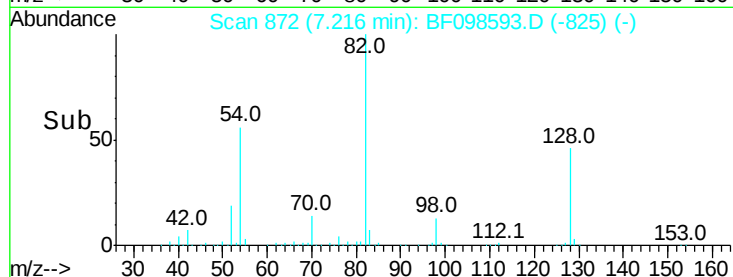
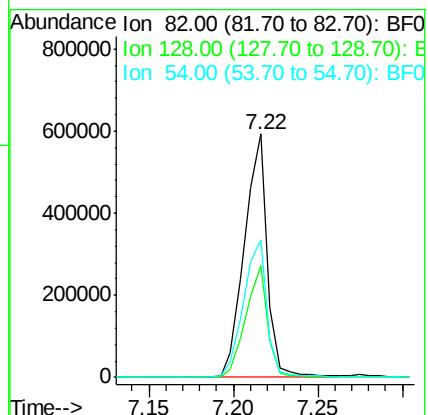
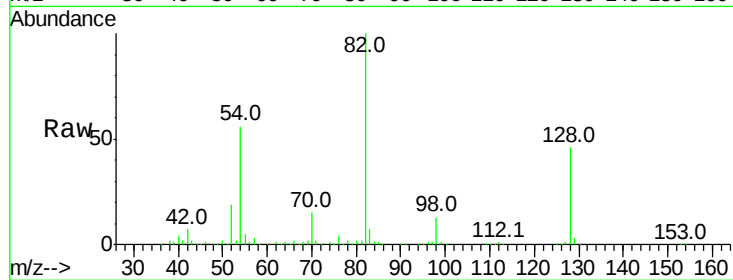
Tot Ion: 82 Resp: 556166

Ion Ratio Lower Upper

82 100

128 45.9 34.0 51.0

54 56.2 42.2 63.2



#32

Benzoic acid

Concen: 7.996 ng

RT: 7.84 min Scan# 978

Delta R.T. 0.06 min

Lab File: BF098593.D

Acq: 16 Sep 2017 2:39

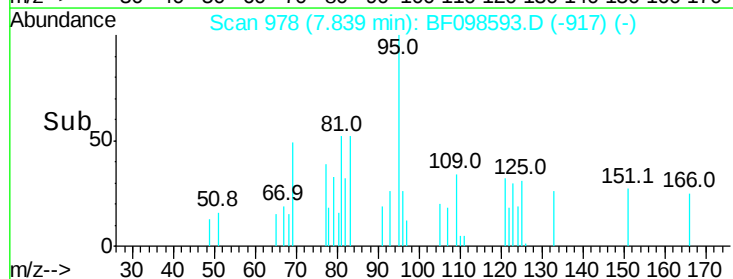
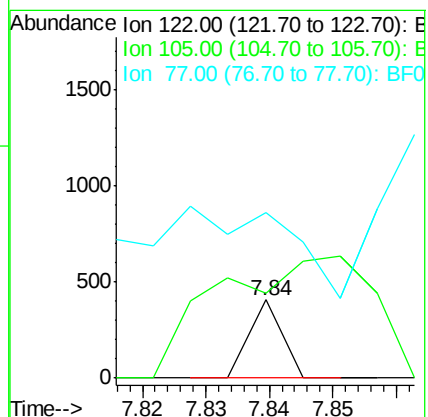
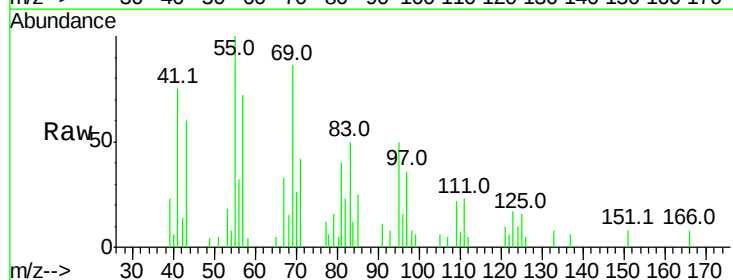
Tgt Ion:122 Resp: 143

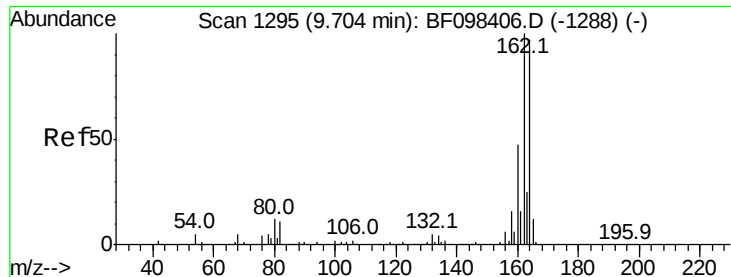
Ion Ratio Lower Upper

122 100

105 108.4 103.3 143.3

77 212.8 73.7 113.7#

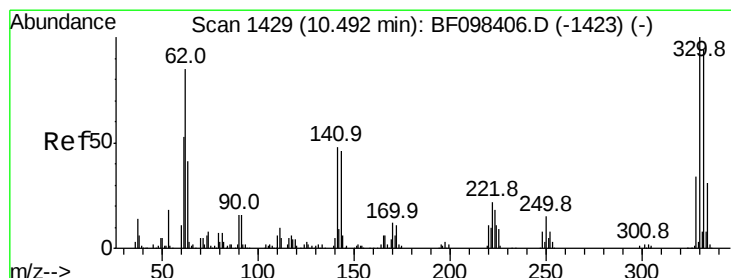
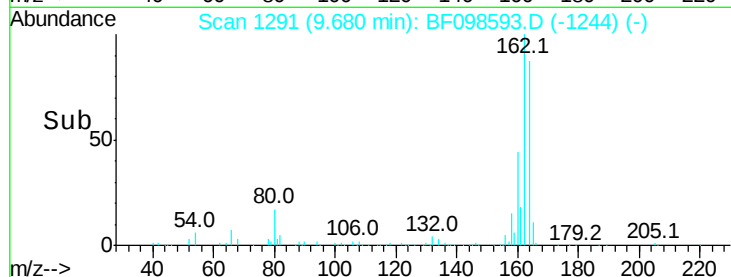
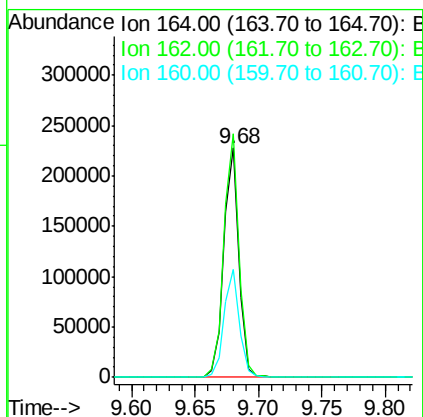
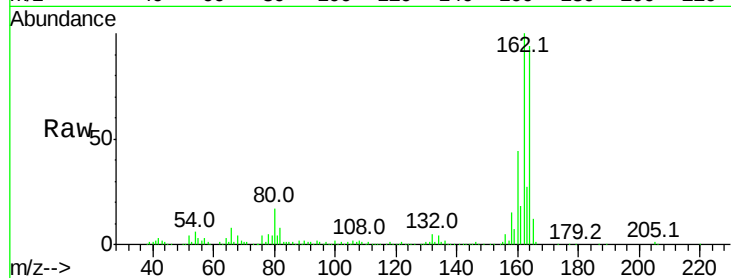




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.68 min Scan# 1291
 Delta R.T. -0.02 min
 Lab File: BF098593.D
 Acq: 16 Sep 2017 2:39

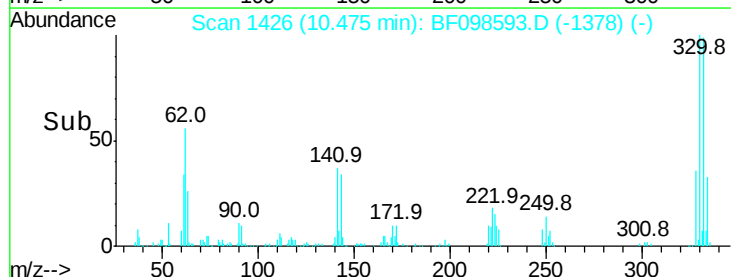
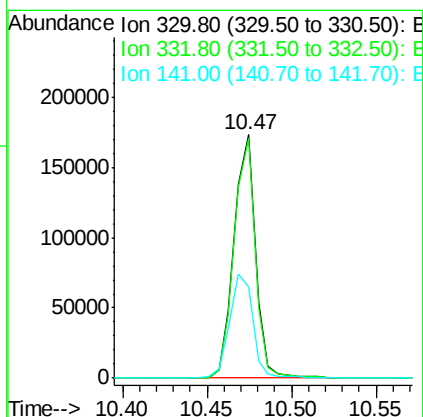
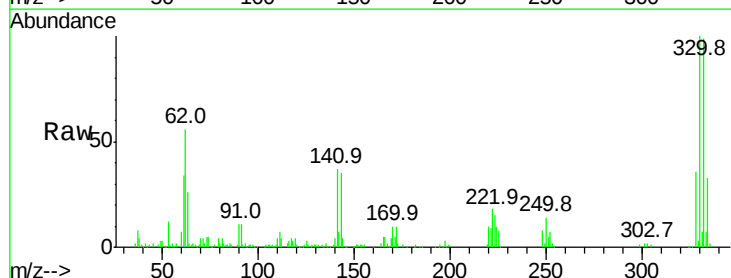
Instrument :
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 LP-SLUDGE

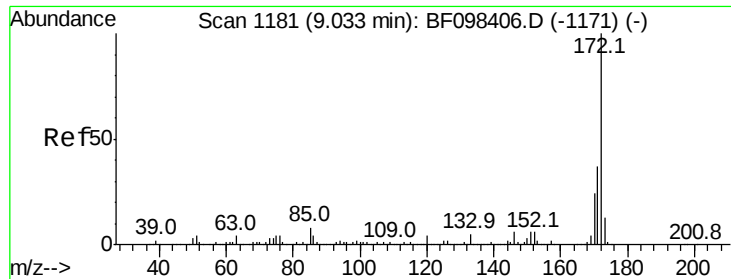
Tot Ion:164 Resp: 189870
 Ion Ratio Lower Upper
 164 100
 162 106.1 82.6 123.8
 160 46.8 36.2 54.2



#41
 2,4,6-Tribromophenol
 Concen: 121.383 ng
 RT: 10.47 min Scan# 1426
 Delta R.T. -0.02 min
 Lab File: BF098593.D
 Acq: 16 Sep 2017 2:39

Tgt Ion:330 Resp: 153820
 Ion Ratio Lower Upper
 330 100
 332 98.1 76.6 115.0
 141 46.0 31.4 47.2

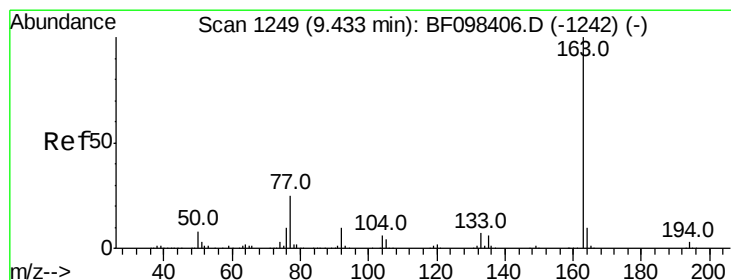
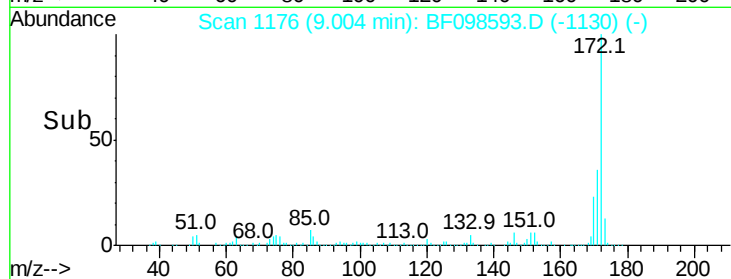
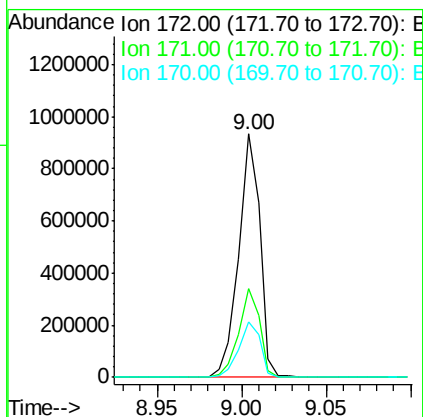
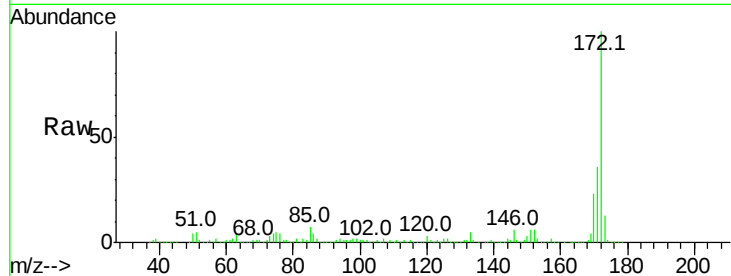




#44
2-Fluorobiphenyl
Concen: 73.077 ng
RT: 9.00 min Scan# 1176
Delta R.T. -0.03 min
Lab File: BF098593.D
Acq: 16 Sep 2017 2:39

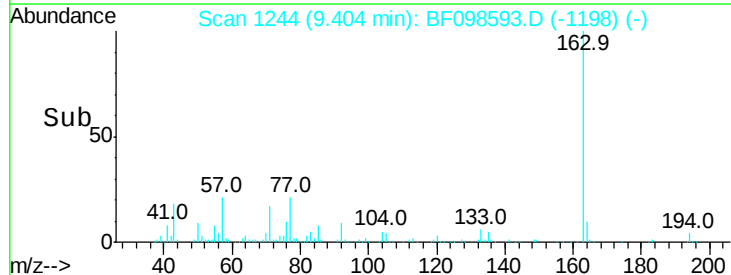
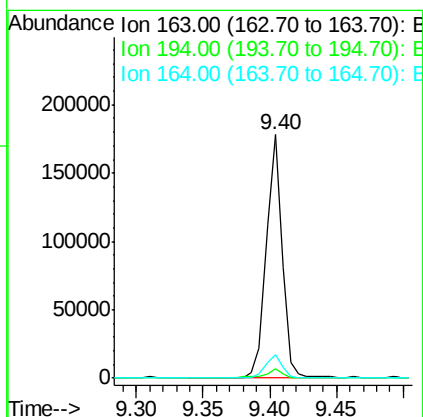
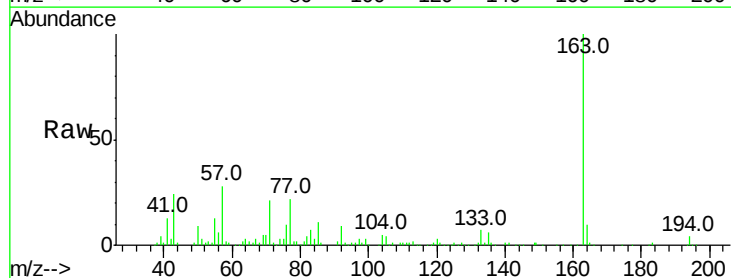
Instrument :
BNA_F
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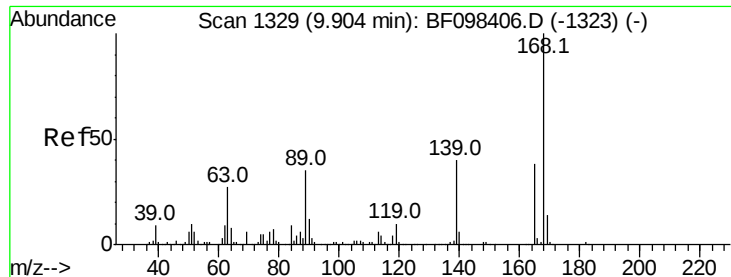
Tot Ion:172 Resp: 818636
Ion Ratio Lower Upper
172 100
171 36.3 29.6 44.4
170 23.0 19.8 29.8



#49
Dimethylphthalate
Concen: 10.098 ng
RT: 9.40 min Scan# 1244
Delta R.T. -0.03 min
Lab File: BF098593.D
Acq: 16 Sep 2017 2:39

Tgt Ion:163 Resp: 148421
Ion Ratio Lower Upper
163 100
194 3.9 2.6 4.0
164 9.8 8.4 12.6

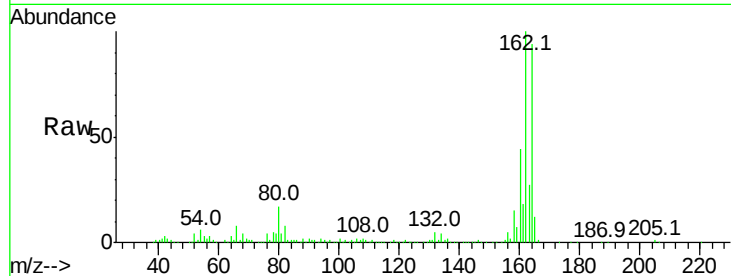




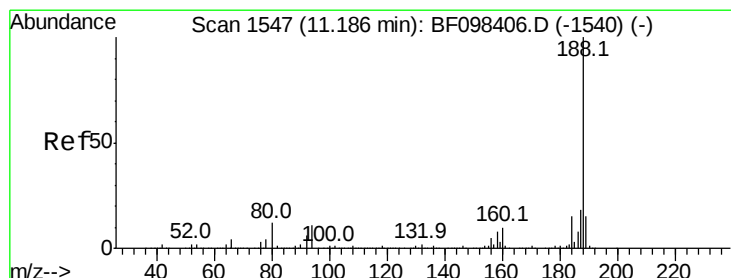
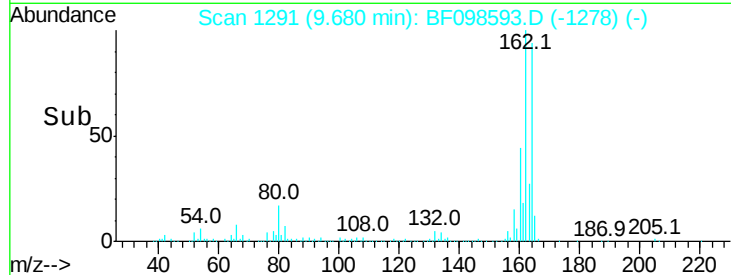
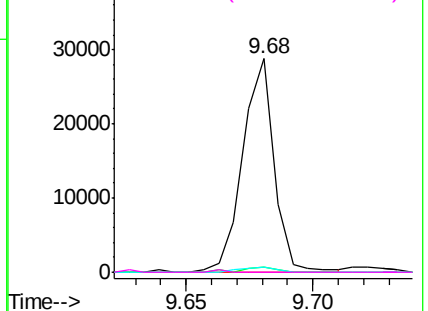
#56
 2,4-Dinitrotoluene
 Concen: 6.811 ng
 RT: 9.68 min Scan# 1291
 Delta R.T. -0.22 min
 Lab File: BF098593.D
 Acq: 16 Sep 2017 2:39

Instrument :
 BNA_F
 ClientSampleId :
 LP-SLUDGE

Tot Ion:165 Resp: 24998
 Ion Ratio Lower Upper
 165 100
 63 2.2 25.4 38.0#
 89 2.3 46.4 69.6#
 182 0.0 1.8 2.6#

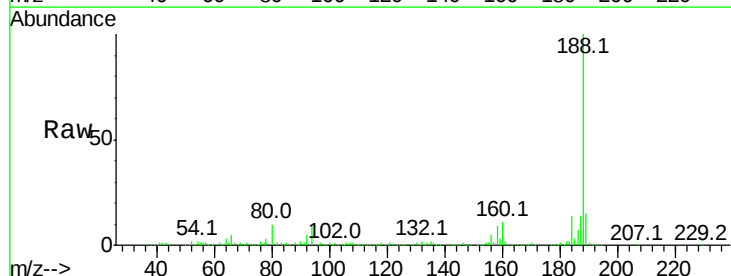


Abundance Ion 165.00 (164.70 to 165.70): E

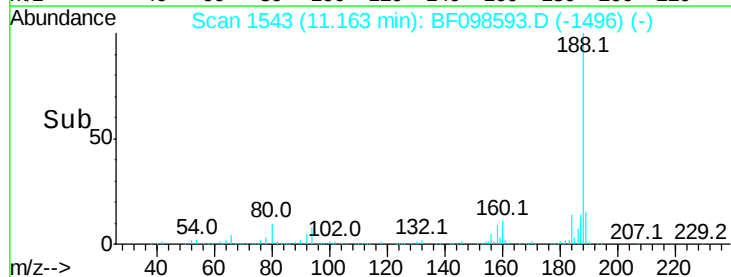
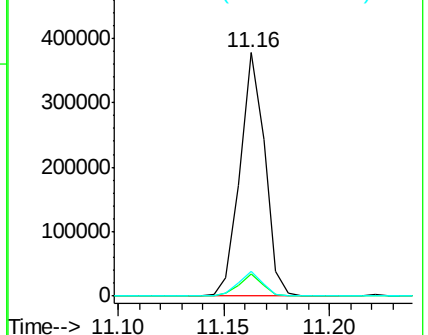


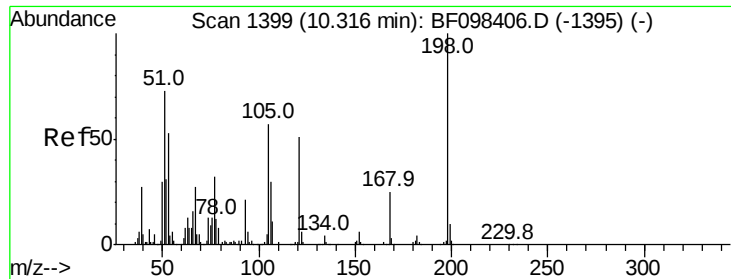
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.16 min Scan# 1543
 Delta R.T. -0.02 min
 Lab File: BF098593.D
 Acq: 16 Sep 2017 2:39

Tgt Ion:188 Resp: 307204
 Ion Ratio Lower Upper
 188 100
 94 8.9 9.4 14.2#
 80 10.3 10.2 15.2



Abundance Ion 188.00 (187.70 to 188.70): E

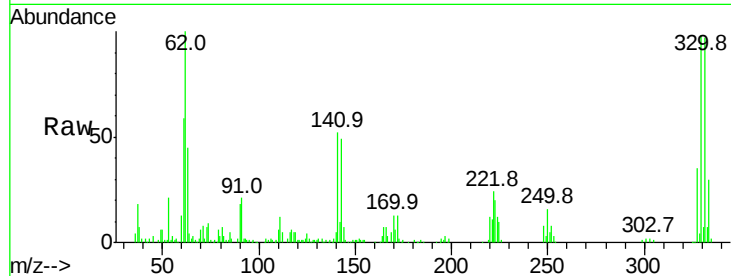




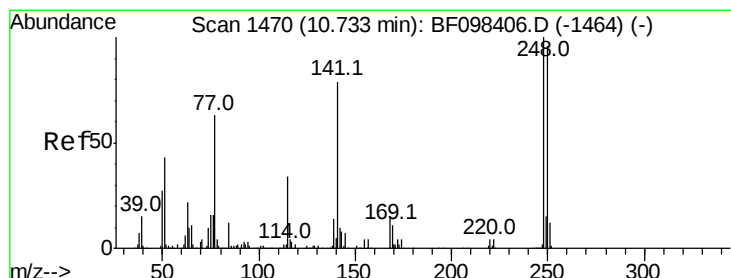
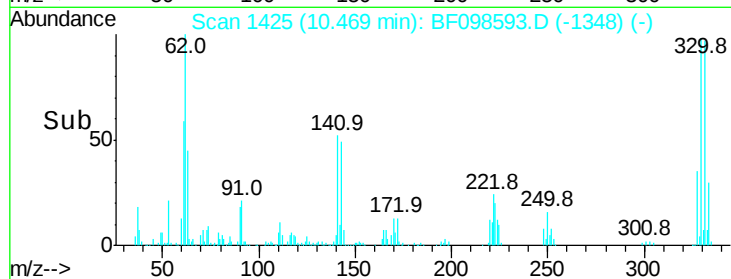
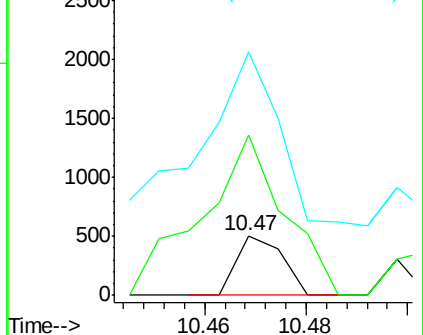
#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.115 ng
 RT: 10.47 min Scan# 1425
 Delta R.T. 0.15 min
 Lab File: BF098593.D
 Acq: 16 Sep 2017 2:39

Instrument :
 BNA_F
 ClientSampleId :
 LP-SLUDGE

Tot Ion:198 Resp: 317
 Ion Ratio Lower Upper
 198 100
 51 269.0 53.2 93.2#
 105 409.5 45.8 85.8#

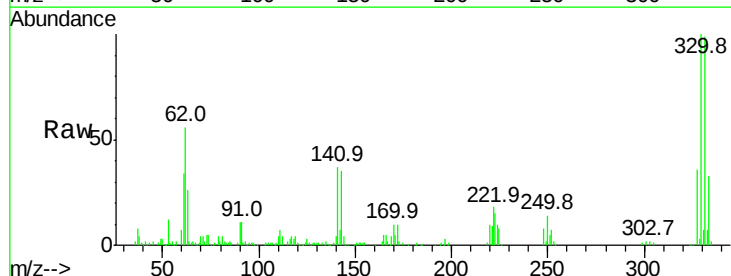


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF0
 Ion 105.00 (104.70 to 105.70): E

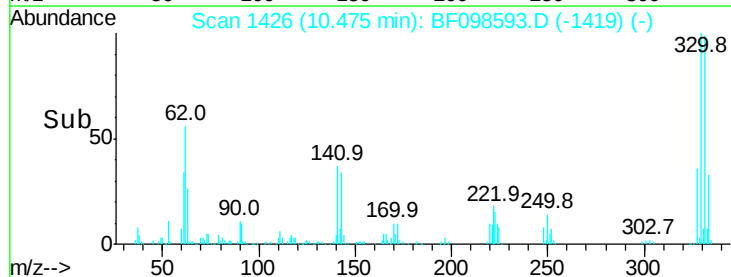
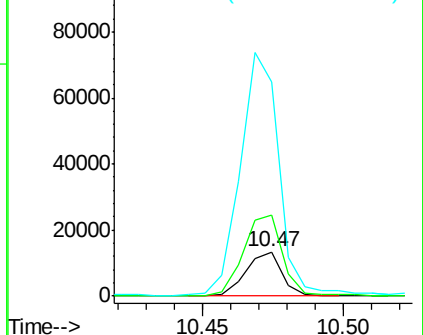


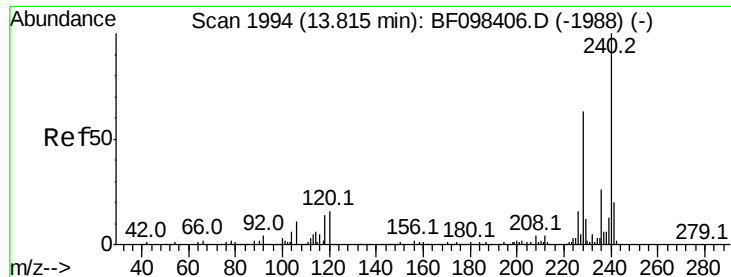
#66
 4-Bromophenyl-phenylether
 Concen: 4.092 ng
 RT: 10.47 min Scan# 1426
 Delta R.T. -0.26 min
 Lab File: BF098593.D
 Acq: 16 Sep 2017 2:39

Tgt Ion:248 Resp: 11930
 Ion Ratio Lower Upper
 248 100
 250 183.8 76.8 115.2#
 141 482.8 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: 13.80 min Scan# 1991

Delta R.T. -0.02 min

Lab File: BF098593.D

Acq: 16 Sep 2017 2:39

Instrument :

BNA_F

ClientSampleId :

LP-SLUDGE

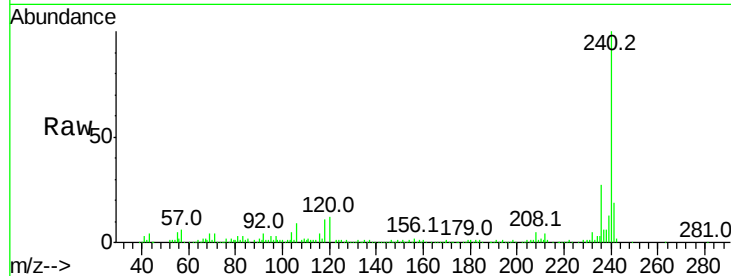
Tot Ion:240 Resp: 207349

Ion Ratio Lower Upper

240 100

120 12.2 5.8 8.8#

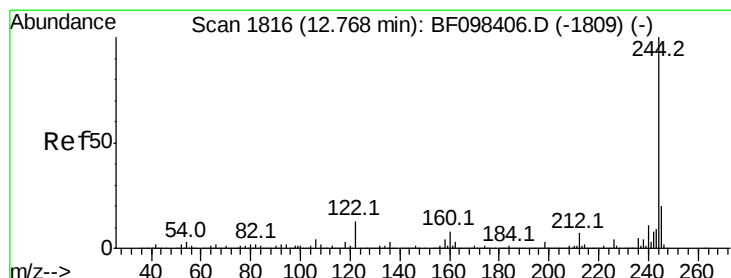
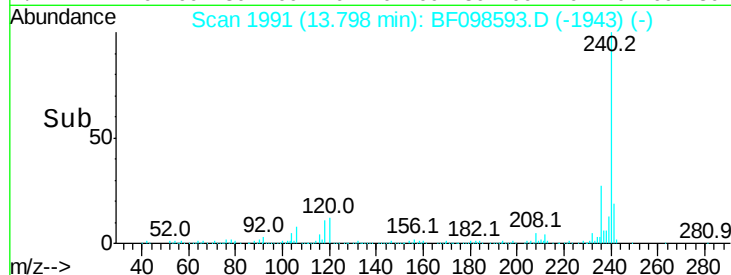
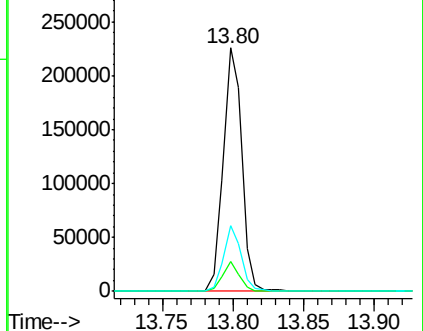
236 27.1 20.5 30.7



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: 53.079 ng

RT: 12.74 min Scan# 1812

Delta R.T. -0.02 min

Lab File: BF098593.D

Acq: 16 Sep 2017 2:39

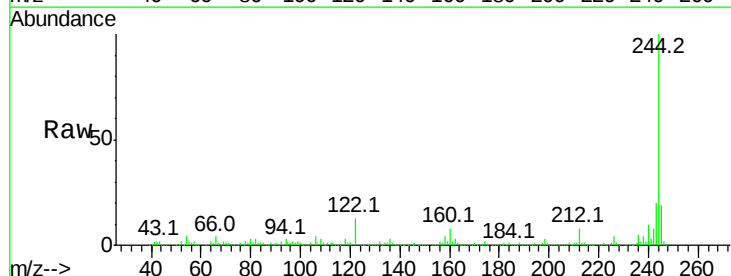
Tgt Ion:244 Resp: 509898

Ion Ratio Lower Upper

244 100

212 7.5 6.0 9.0

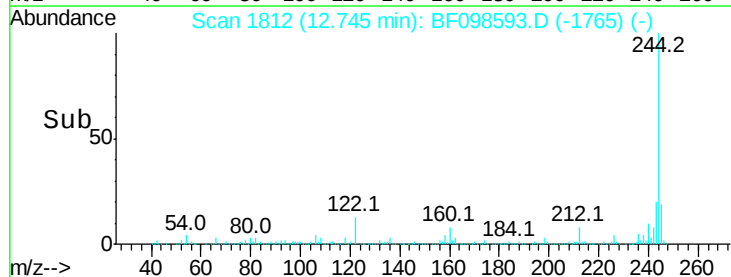
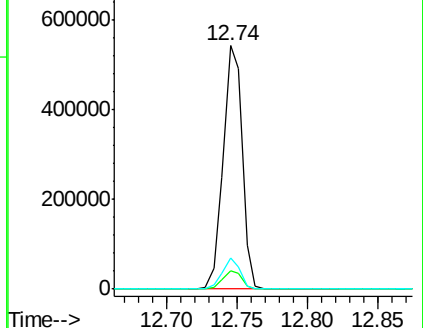
122 13.0 10.3 15.5

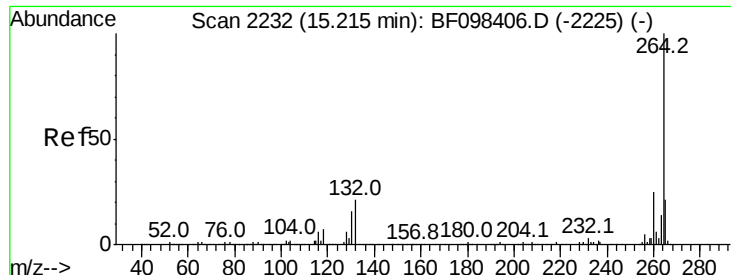


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

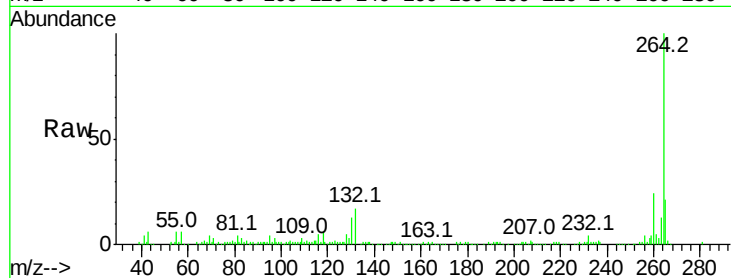




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.20 min Scan# 2230
 Delta R.T. -0.01 min
 Lab File: BF098593.D
 Acq: 16 Sep 2017 2:39

Instrument :
 BNA_F
 ClientSampleId :
 LP-SLUDGE

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.5	29.3
265	20.5	17.2	25.8



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

