

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081517\
 Data File : BF097695.D
 Acq On : 15 Aug 2017 17:09
 Operator : SJ/JU
 Sample : I4768-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 W-137TH-SLUDGE-52

Quant Time: Aug 16 03:51:50 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 15 13:25:08 2017
 Response via : Initial Calibration

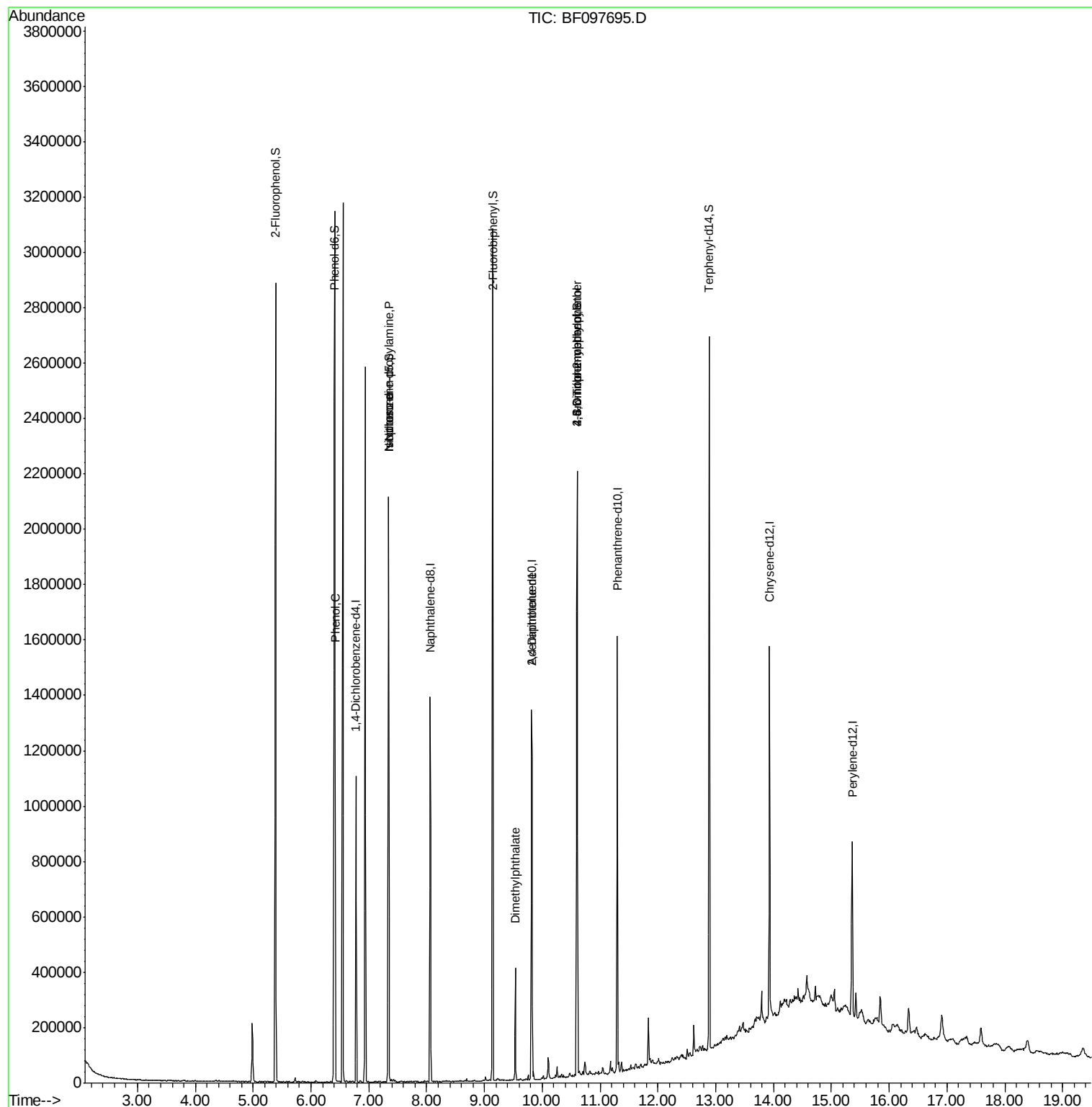
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	133555	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	546587	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	252274	20.00	ng	0.00
63) Phenanthrene-d10	11.30	188	510994	20.00	ng	0.00
75) Chrysene-d12	13.93	240	416905	20.00	ng	0.00
86) Perylene-d12	15.36	264	285552	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	901266	102.65	ng	0.00
7) Phenol-d6	6.41	99	1229628	103.07	ng	0.00
23) Nitrobenzene-d5	7.35	82	728252	72.38	ng	0.00
41) 2,4,6-Tribromophenol	10.60	330	240732	109.98	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	946164	55.10	ng	0.00
78) Terphenyl-d14	12.89	244	838029	41.92	ng	0.00
Target Compounds						
10) Phenol	6.42	94	41684	2.99	ng	88
19) n-Nitroso-di-n-propylamine	7.35	70	99266	12.15	ng	# 73
25) Isophorone	7.35	82	728035	34.80	ng	# 67
49) Dimethylphthalate	9.53	163	129968	7.05	ng	99
56) 2,4-Dinitrotoluene	9.82	165	32877	7.12	ng	# 33
64) 4,6-Dinitro-2-methylphenol	10.60	198	576	8.52	ng	# 1
66) 4-Bromophenyl-phenylether	10.60	248	16172	3.05	ng	# 1

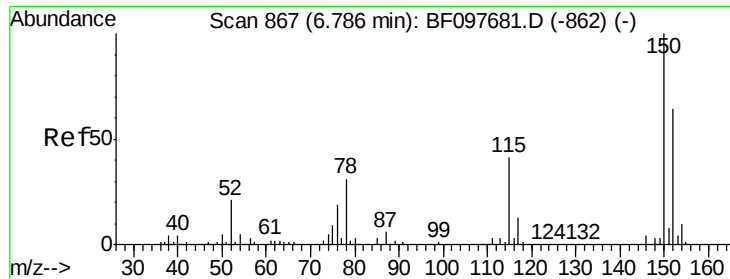
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.78 min Scan# 798

Delta R.T. -0.01 min

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Instrument :

BNA_F

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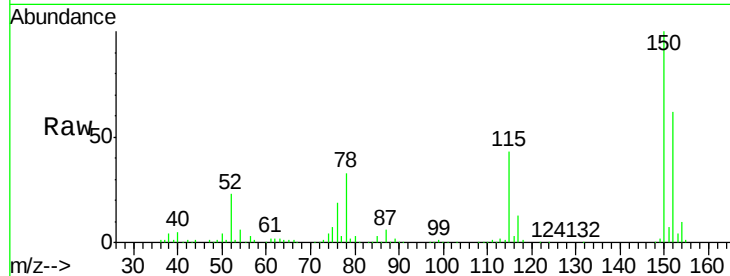
Tot Ion:152 Resp: 133555

Ion Ratio Lower Upper

152 100

150 160.1 126.2 189.2

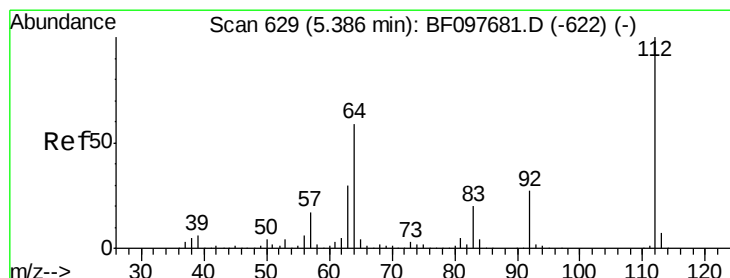
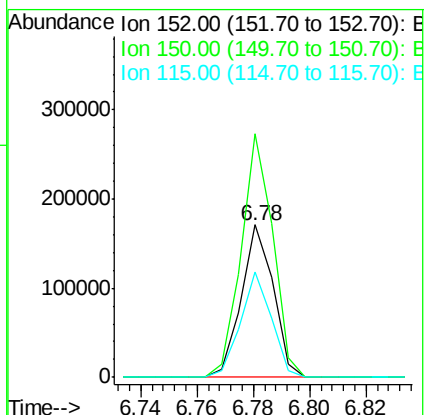
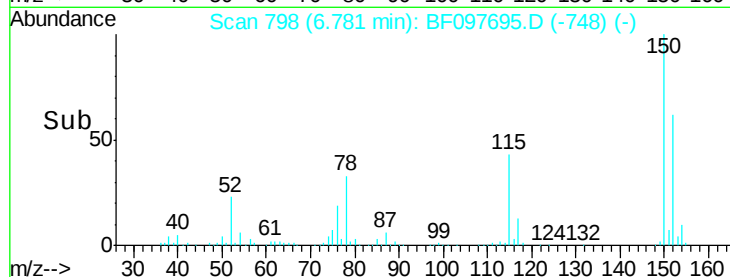
115 69.1 52.2 78.2



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: 102.65 ng

RT: 5.39 min Scan# 561

Delta R.T. 0.00 min

Lab File: BF097695.D

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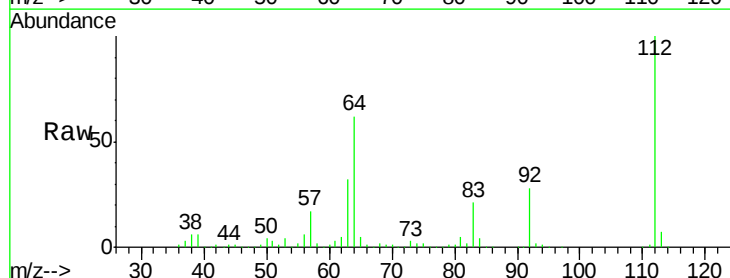
Tgt Ion:112 Resp: 901266

Ion Ratio Lower Upper

112 100

64 61.6 46.0 69.0

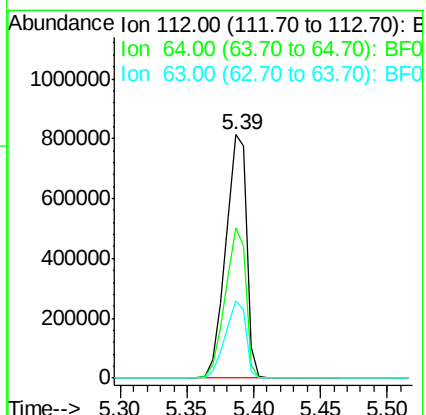
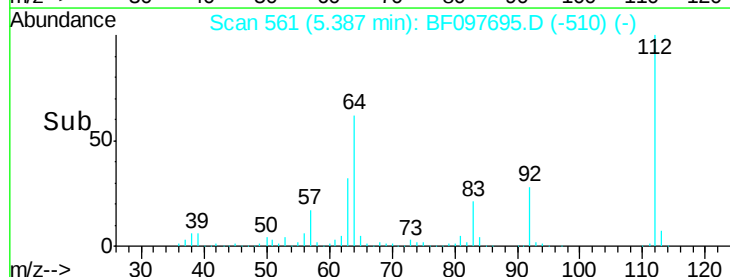
63 31.5 23.4 35.0

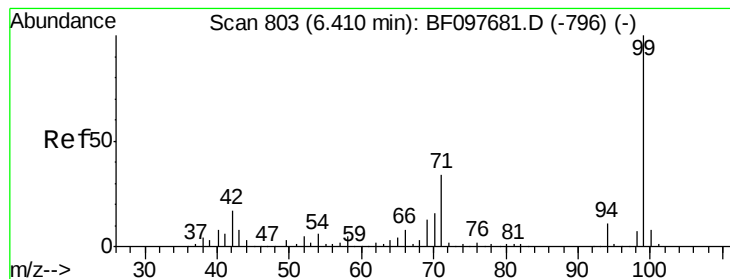


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 103.07 ng

RT: 6.41 min Scan# 735

Delta R.T. 0.00 min

Lab File: BF097695.D

Acq: 15 Aug 2017 17:09

Instrument :

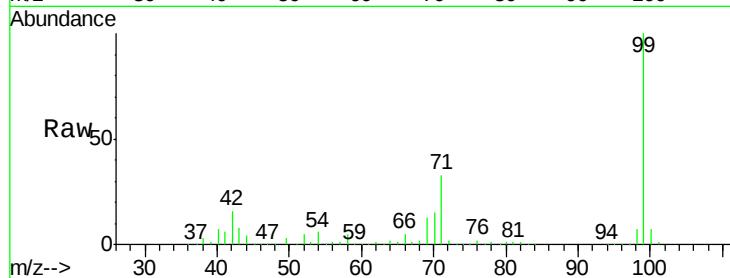
BNA_F

ClientSampleId :

W-137TH-SLUDGE-52

Tot Ion: 99 Resp: 1229628

Ion	Ratio	Lower	Upper
99	100		
42	15.7	13.5	20.3
71	32.8	24.5	36.7

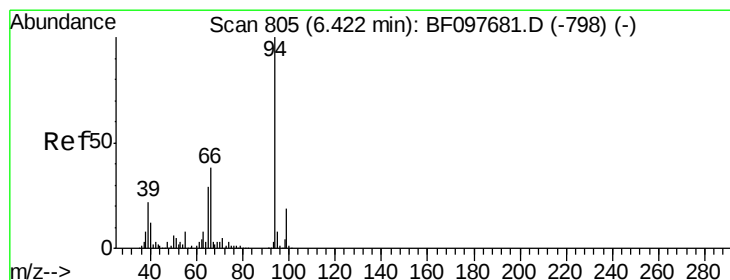
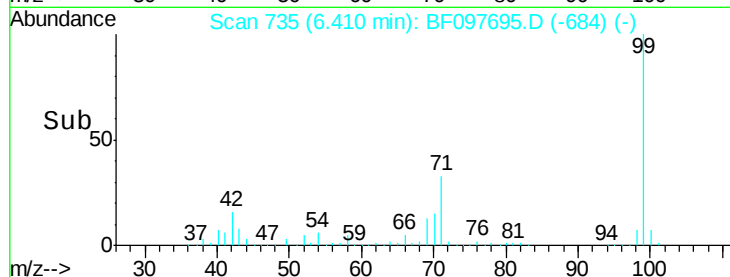
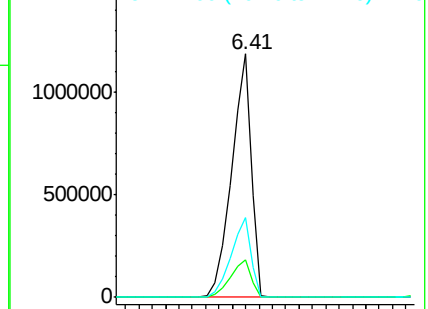


Abundance

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: 2.99 ng

RT: 6.42 min Scan# 737

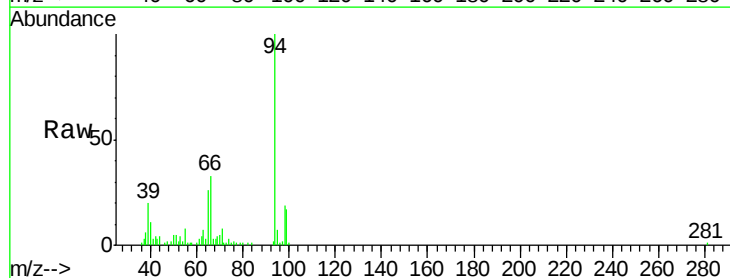
Delta R.T. 0.00 min

Lab File: BF097695.D

Acq: 15 Aug 2017 17:09

Tgt Ion: 94 Resp: 41684

Ion	Ratio	Lower	Upper
94	100		
65	26.3	9.9	49.9
66	32.6	23.1	63.1

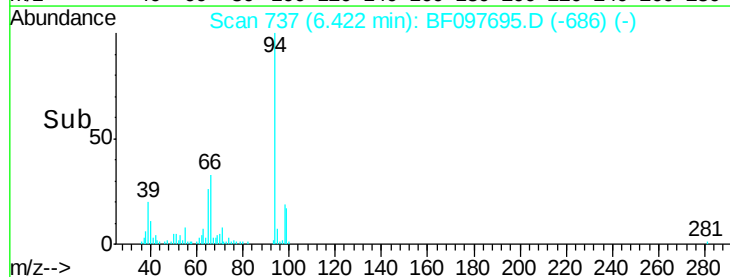
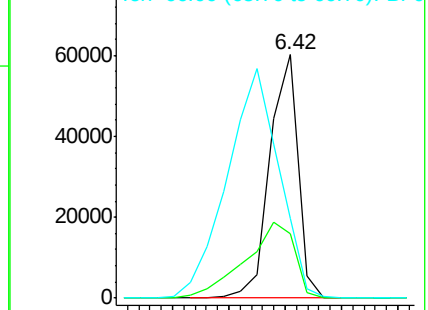


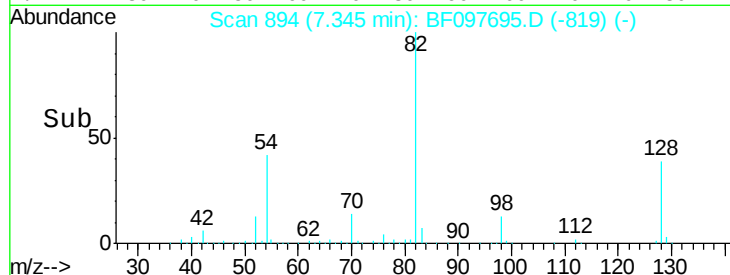
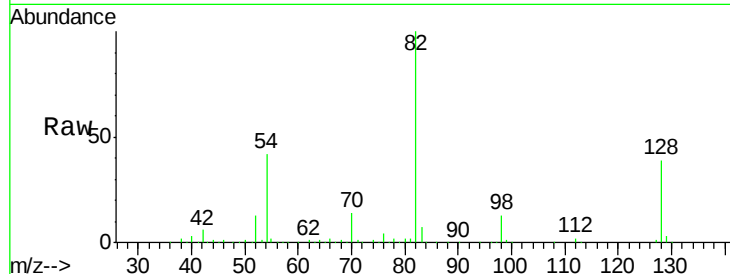
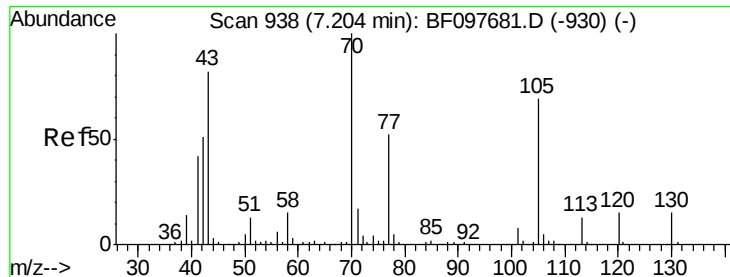
Abundance

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

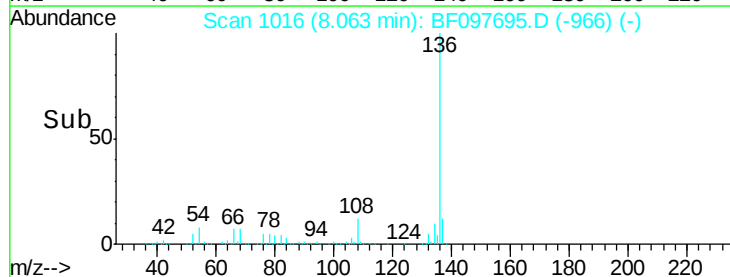
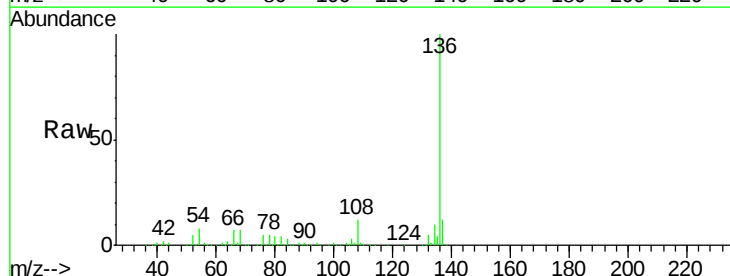
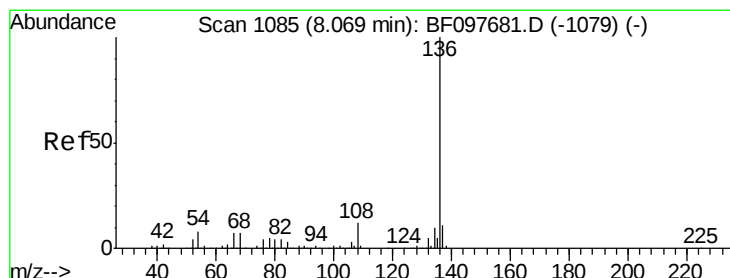
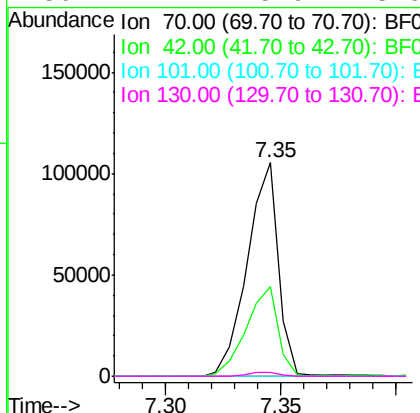




#19
n-Nitroso-di-n-propylamine
Concen: 12.15 ng
RT: 7.35 min Scan# 894
Delta R.T. 0.14 min
Lab File: BF097695.D
Acq: 15 Aug 2017 17:09

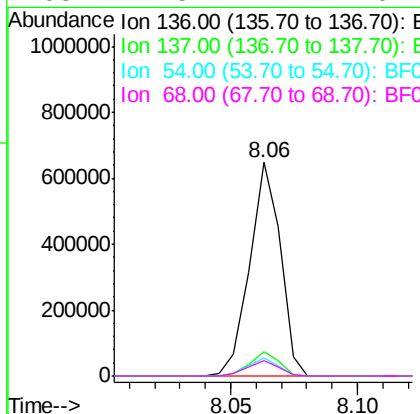
Instrument :
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W-137TH-SLUDGE-52

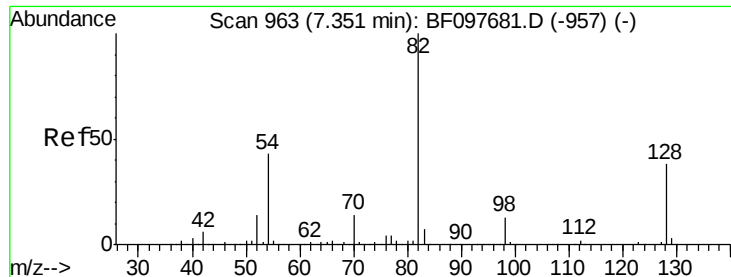
Tot Ion: 70 Resp: 99266
Ion Ratio Lower Upper
70 100
42 41.9 47.2 70.8#
101 0.0 7.2 10.8#
130 1.7 15.9 23.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.06 min Scan# 1016
Delta R.T. -0.01 min
Lab File: BF097695.D
Acq: 15 Aug 2017 17:09

Tgt Ion: 136 Resp: 546587
Ion Ratio Lower Upper
136 100
137 11.6 8.5 12.7
54 8.2 4.9 7.3#
68 7.5 4.1 6.1#

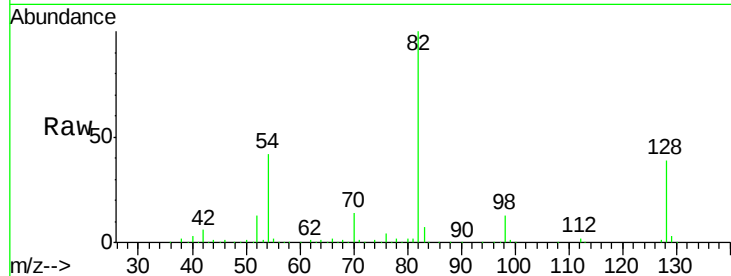




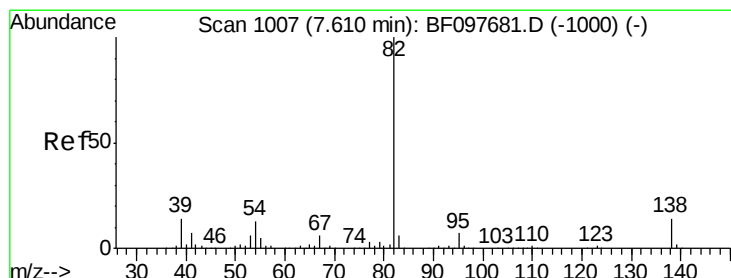
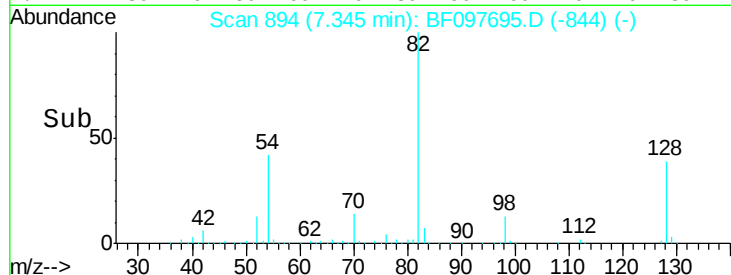
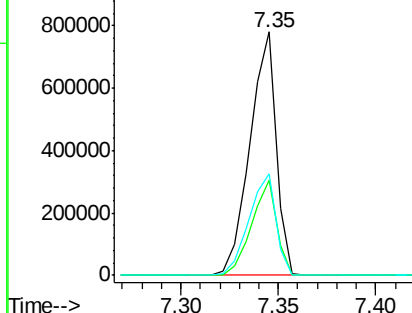
#23
 Nitrobenzene-d5
 Concen: 72.38 ng
 RT: 7.35 min Scan# 894
 Delta R.T. -0.01 min
 Lab File: BF097695.D
 Acq: 15 Aug 2017 17:09

Instrument :
 BNA_F
 ClientSampleId :
 W-137TH-SLUDGE-52

Tot Ion	82	Resp	728252
Ion Ratio	100	Lower	Upper
82	100		
128	39.3	34.0	51.0
54	41.8	42.2	63.2#

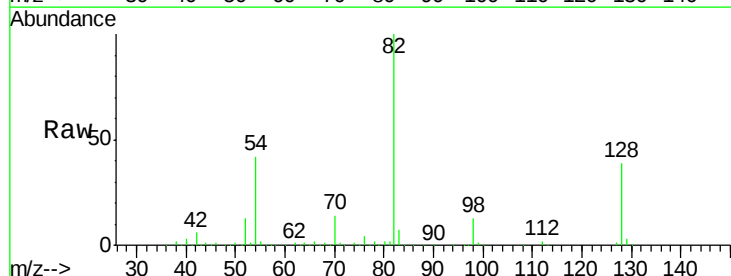


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

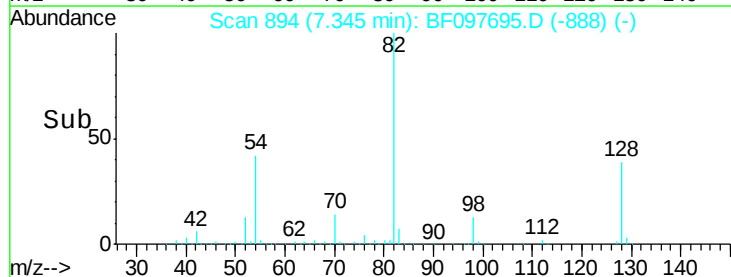
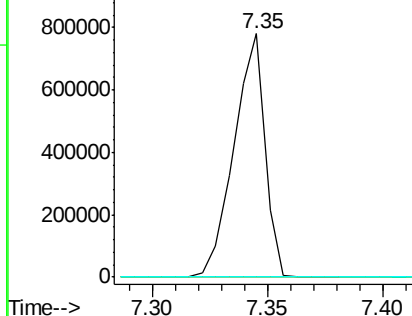


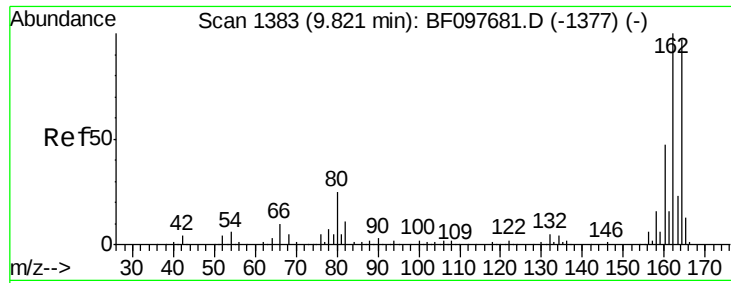
#25
 Isophorone
 Concen: 34.80 ng
 RT: 7.35 min Scan# 894
 Delta R.T. -0.26 min
 Lab File: BF097695.D
 Acq: 15 Aug 2017 17:09

Tgt Ion	82	Resp	728035
Ion Ratio	100	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

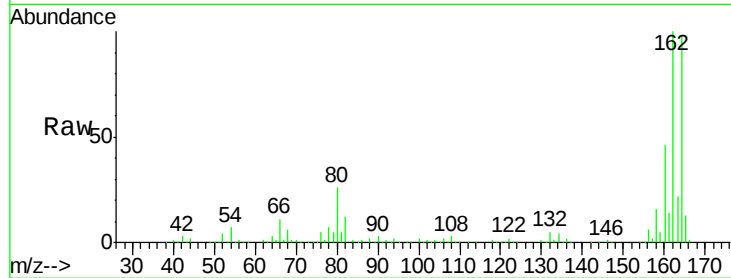




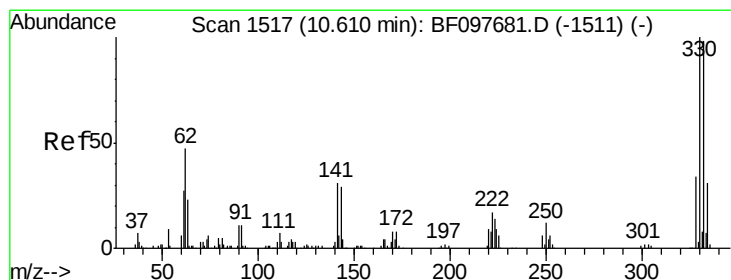
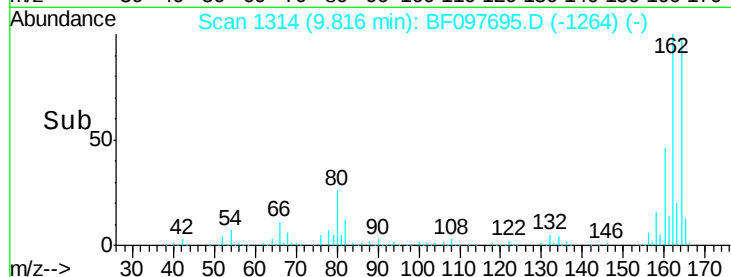
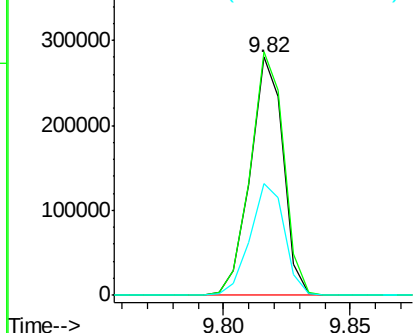
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.82 min Scan# 1314
 Delta R.T. -0.01 min
 Lab File: BF097695.D
 Acq: 15 Aug 2017 17:09

Instrument :
 BNA_F
 ClientSampleId :
 W-137TH-SLUDGE-52

Tot Ion:164 Resp: 252274
 Ion Ratio Lower Upper
 164 100
 162 102.2 82.6 123.8
 160 46.7 36.2 54.2

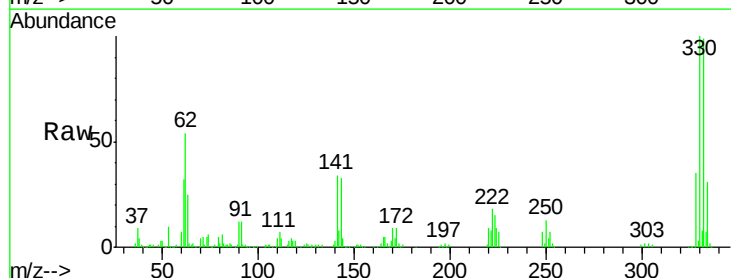


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

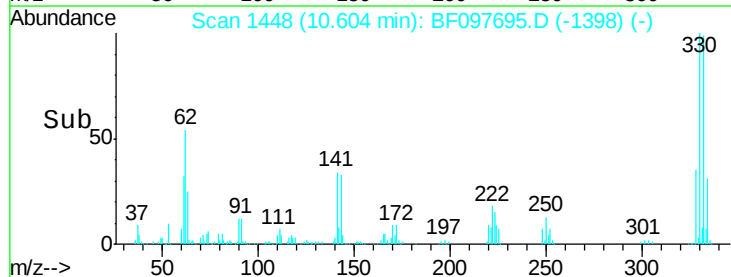
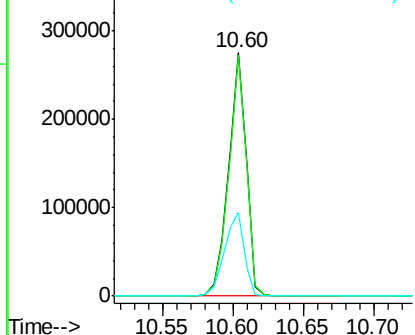


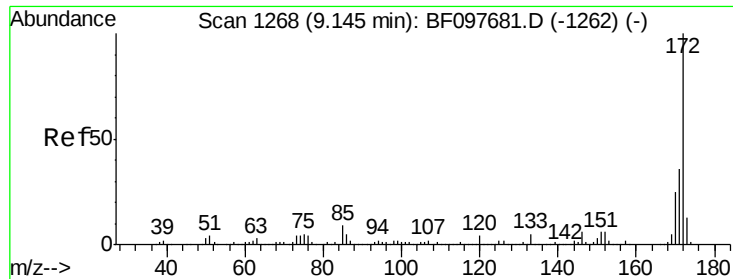
#41
 2,4,6-Tribromophenol
 Concen: 109.98 ng
 RT: 10.60 min Scan# 1448
 Delta R.T. -0.01 min
 Lab File: BF097695.D
 Acq: 15 Aug 2017 17:09

Tgt Ion:330 Resp: 240732
 Ion Ratio Lower Upper
 330 100
 332 97.6 76.6 115.0
 141 38.2 31.4 47.2



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

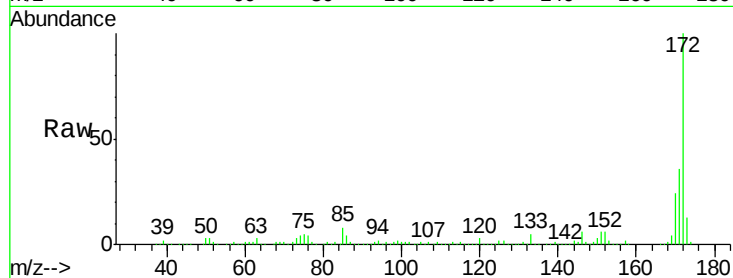




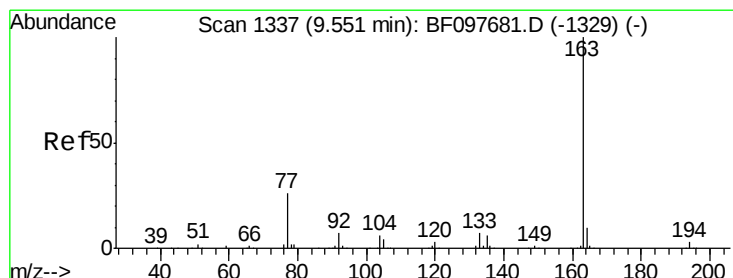
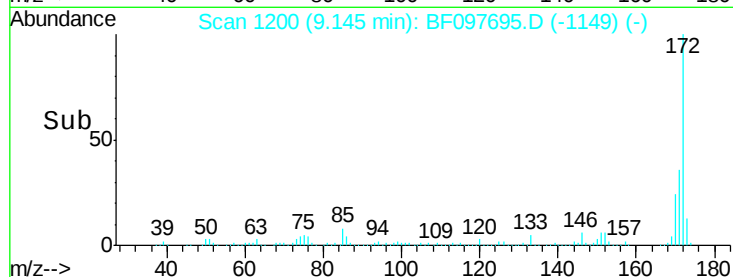
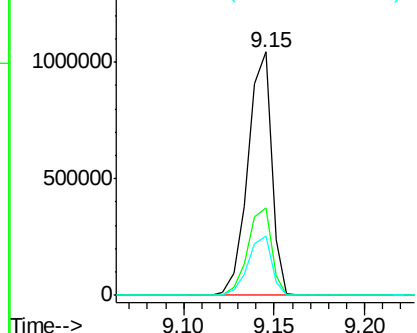
#44
 2-Fluorobiphenyl
 Concen: 55.10 ng
 RT: 9.15 min Scan# 1200
 Delta R.T. 0.00 min
 Lab File: BF097695.D
 Acq: 15 Aug 2017 17:09

Instrument :
 BNA_F
 ClientSampleId :
 W-137TH-SLUDGE-52

Tot Ion:172 Resp: 946164
 Ion Ratio Lower Upper
 172 100
 171 36.0 29.6 44.4
 170 24.2 19.8 29.8

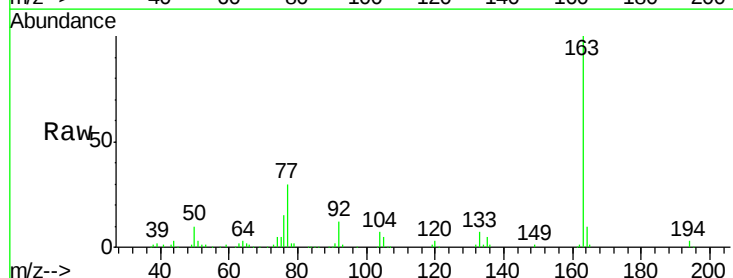


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

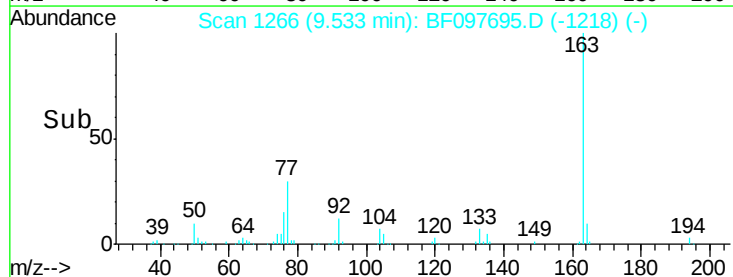
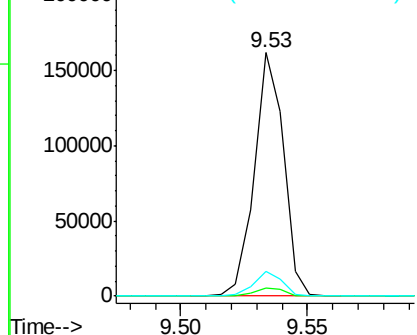


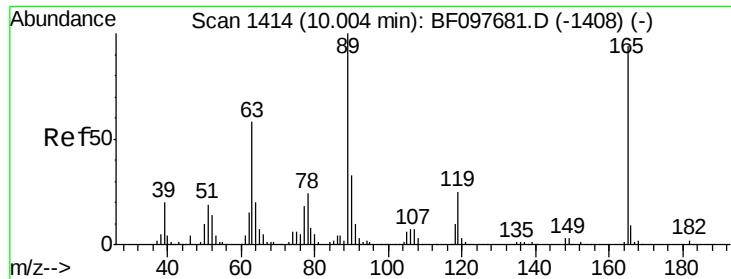
#49
 Dimethylphthalate
 Concen: 7.05 ng
 RT: 9.53 min Scan# 1266
 Delta R.T. -0.02 min
 Lab File: BF097695.D
 Acq: 15 Aug 2017 17:09

Tgt Ion:163 Resp: 129968
 Ion Ratio Lower Upper
 163 100
 194 3.4 2.6 4.0
 164 9.9 8.4 12.6



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

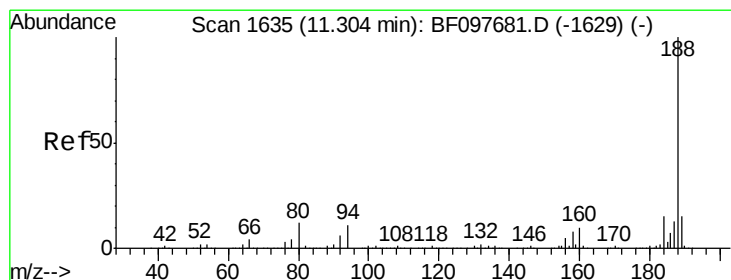
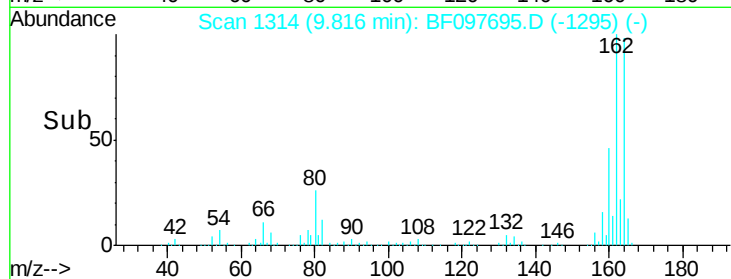
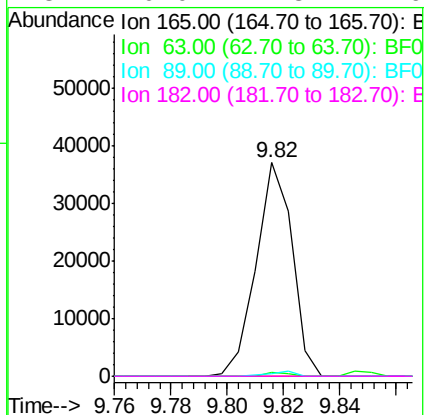
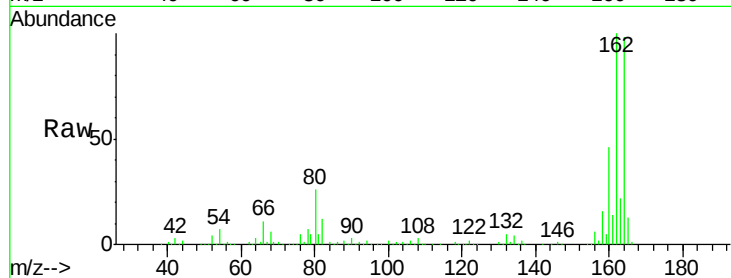




#56
 2,4-Dinitrotoluene
 Concen: 7.12 ng
 RT: 9.82 min Scan# 1314
 Delta R.T. -0.19 min
 Lab File: BF097695.D
 Acq: 15 Aug 2017 17:09

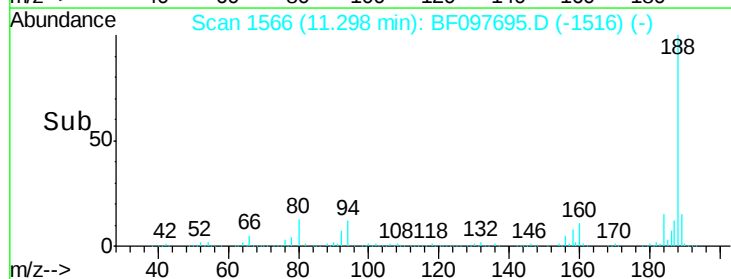
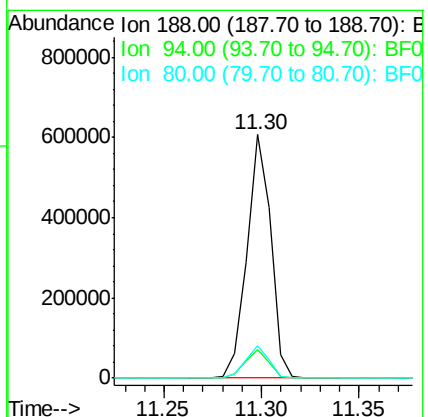
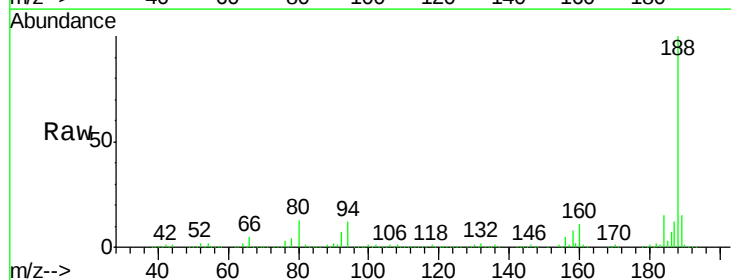
Instrument :
 BNA_F
 ClientSampleId :
 W-137TH-SLUDGE-52

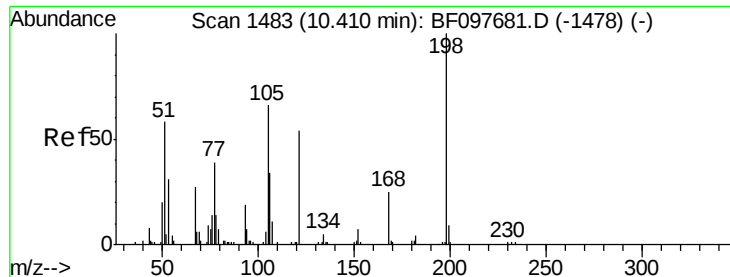
Tot Ion:165 Resp: 32877
 Ion Ratio Lower Upper
 165 100
 63 2.0 25.4 38.0#
 89 1.4 46.4 69.6#
 182 0.0 1.8 2.6#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.30 min Scan# 1566
 Delta R.T. -0.01 min
 Lab File: BF097695.D
 Acq: 15 Aug 2017 17:09

Tgt Ion:188 Resp: 510994
 Ion Ratio Lower Upper
 188 100
 94 12.0 9.4 14.2
 80 13.2 10.2 15.2

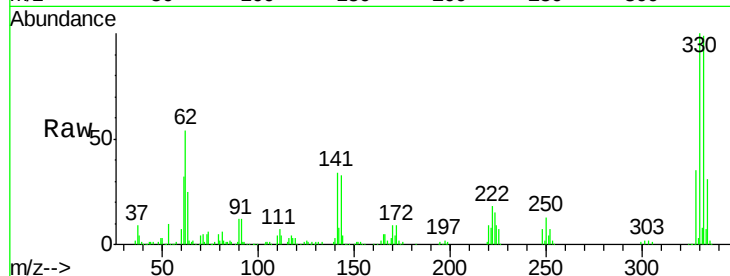




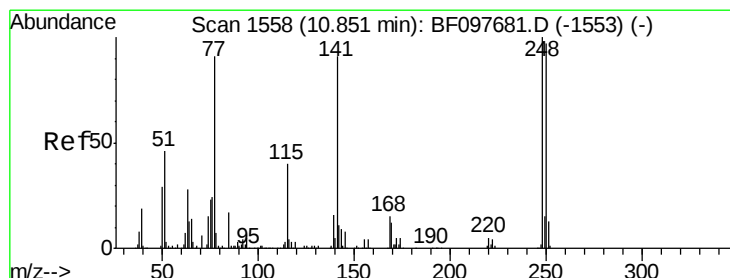
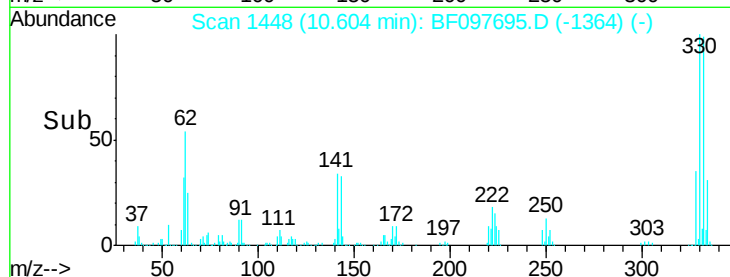
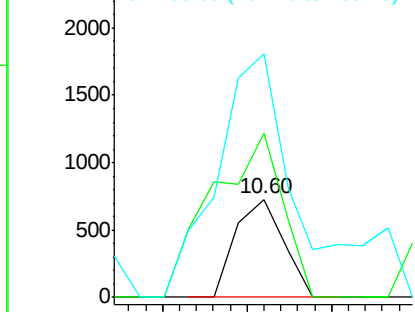
#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.52 ng
 RT: 10.60 min Scan# 1448
 Delta R.T. 0.19 min
 Lab File: BF097695.D
 Acq: 15 Aug 2017 17:09

Instrument :
 BNA_F
 ClientSampleId :
 W-137TH-SLUDGE-52

Tot Ion	Ratio	Lower	Upper
198	100		
51	167.7	53.2	93.2#
105	247.5	45.8	85.8#

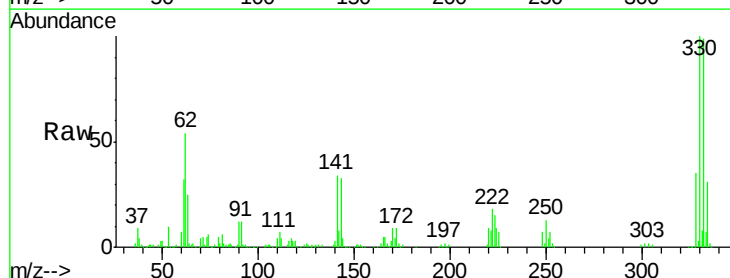


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF0
 Ion 105.00 (104.70 to 105.70): E

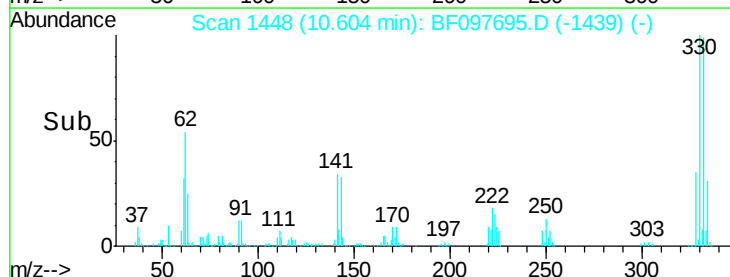
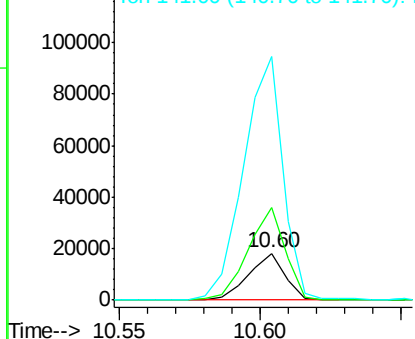


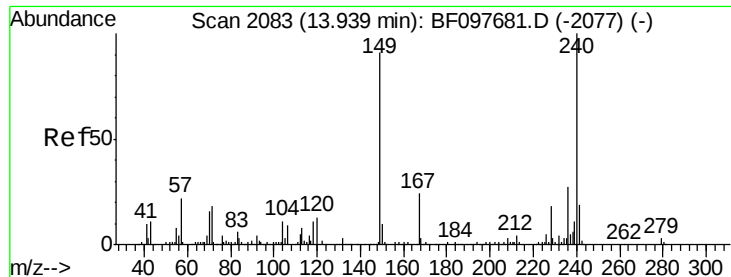
#66
 4-Bromophenyl-phenylether
 Concen: 3.05 ng
 RT: 10.60 min Scan# 1448
 Delta R.T. -0.25 min
 Lab File: BF097695.D
 Acq: 15 Aug 2017 17:09

Tgt Ion	Ratio	Lower	Upper
248	100		
250	197.5	76.8	115.2#
141	520.1	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: 20.00 ng

RT: 13.93 min Scan# 2014

Delta R.T. -0.01 min

Lab File: BF097695.D

Acq: 15 Aug 2017 17:09

Instrument :

BNA_F

ClientSampleId :

W-137TH-SLUDGE-52

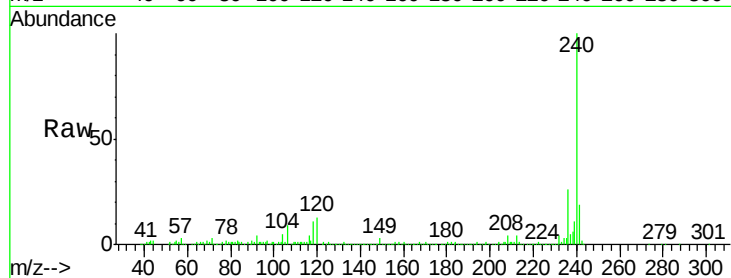
Tot Ion:240 Resp: 416905

Ion Ratio Lower Upper

240 100

120 12.8 5.8 8.8#

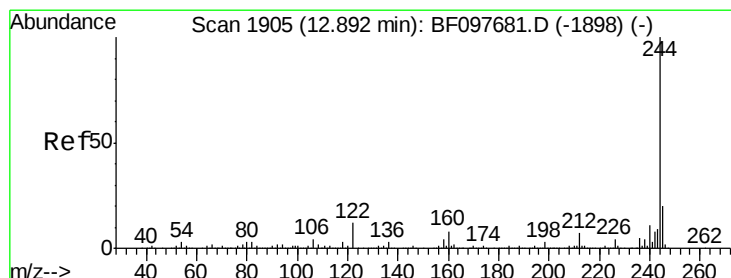
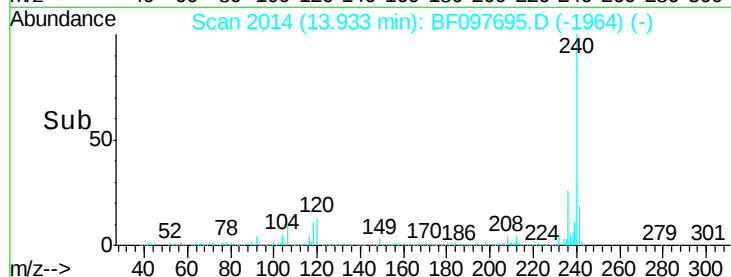
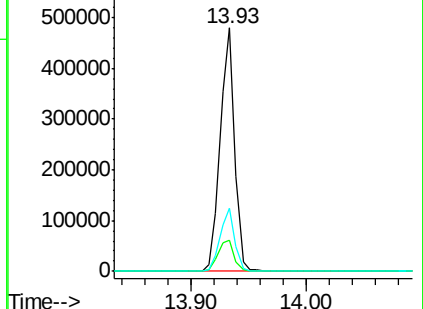
236 25.8 20.5 30.7



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: 41.92 ng

RT: 12.89 min Scan# 1836

Delta R.T. -0.01 min

Lab File: BF097695.D

Acq: 15 Aug 2017 17:09

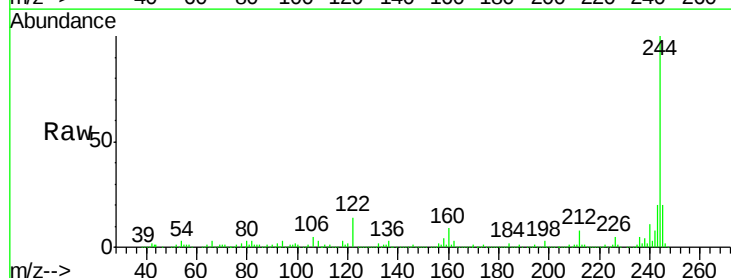
Tgt Ion:244 Resp: 838029

Ion Ratio Lower Upper

244 100

212 7.6 6.0 9.0

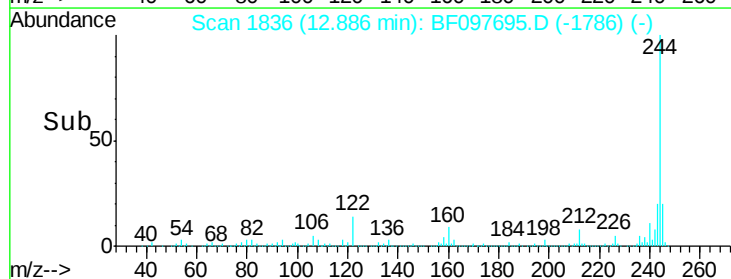
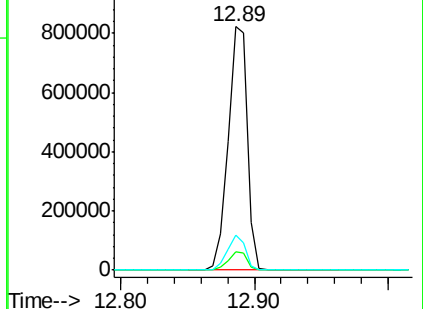
122 14.3 10.3 15.5

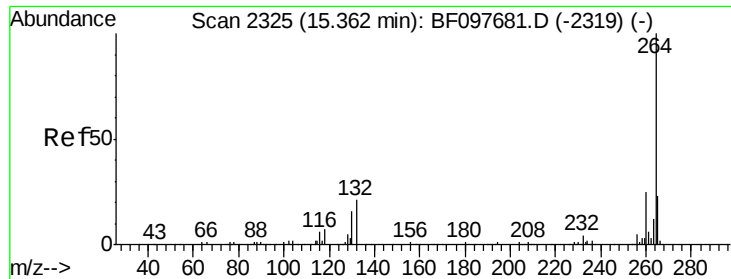


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.36 min Scan# 2257
Delta R.T. 0.00 min
Lab File: BF097695.D
Acq: 15 Aug 2017 17:09

Instrument :
BNA_F
ClientSampleId :
W-137TH-SLUDGE-52

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.5	29.3
265	22.2	17.2	25.8

