

Data Path : Z:\HPCHEM1\BNA F\DATA\BF073117\
 Data File : BF097211.D
 Acq On : 31 Jul 2017 16:47
 Operator : SJ/JU
 Sample : I4495-02
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WW-1-2-3-DUP-COMP

Quant Time: Aug 01 00:55:45 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 25 14:11:51 2017
 Response via : Initial Calibration

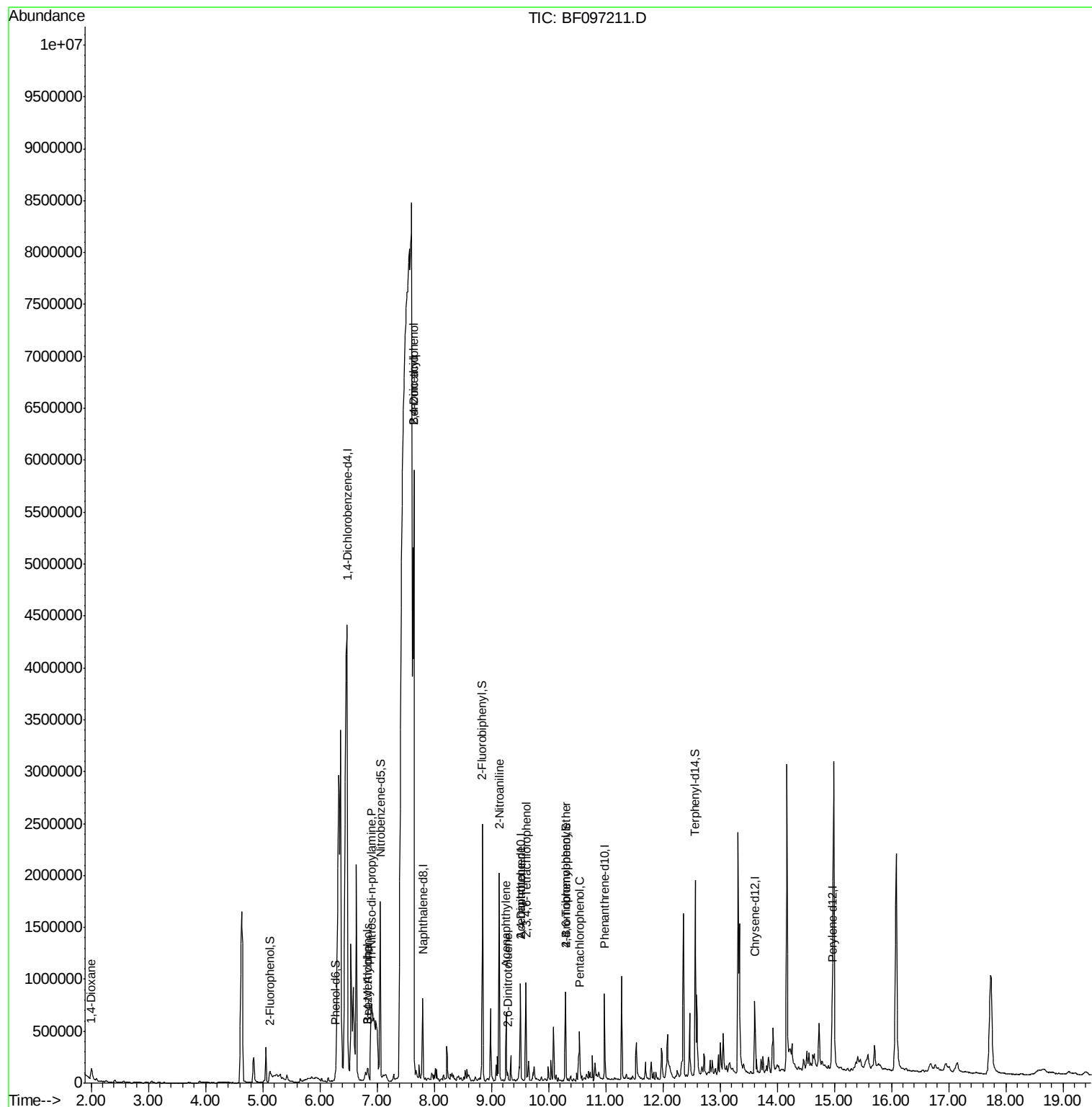
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.48	152	90462	20.00	ng	-0.02
21) Naphthalene-d8	7.80	136	441991	20.00	ng	0.01
38) Acenaphthene-d10	9.51	164	164563	20.00	ng	-0.02
63) Phenanthrene-d10	10.98	188	227709	20.00	ng	-0.02
75) Chrysene-d12	13.61	240	213297	20.00	ng	-0.02
86) Perylene-d12	14.96	264	208243	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.13	112	90060	15.01	ng	0.03
7) Phenol-d6	6.27	99	24354	3.55	ng	0.10
23) Nitrobenzene-d5	7.06	82	591774	78.54	ng	-0.02
41) 2,4,6-Tribromophenol	10.30	330	90639	69.71	ng	-0.02
44) 2-Fluorobiphenyl	8.85	172	861583	88.85	ng	-0.02
78) Terphenyl-d14	12.57	244	542744	51.88	ng	-0.02
Target Compounds						Qvalue
2) 1,4-Dioxane	2.00	88	35664	14.24	ng	# 41
15) Benzyl Alcohol	6.84	79	24554	5.66	ng	97
19) n-Nitroso-di-n-propylamine	6.90	70	209272	46.41	ng	# 28
20) 3+4-Methylphenols	6.84	107	16894	2.61	ng	# 39
27) 2,4-Dimethylphenol	7.65	122	27576	3.94	ng	# 5
32) Benzoic acid	7.65	122	27576	5.27	ng	# 75
47) 2-Nitroaniline	9.14	65	7830	2.09	ng	# 1
48) Acenaphthylene	9.26	152	68549	4.32	ng	# 79
50) 2,6-Dinitrotoluene	9.29	165	5950	2.24	ng	# 53
56) 2,4-Dinitrotoluene	9.51	165	20864	6.85	ng	# 38
58) 2,3,4,6-Tetrachlorophenol	9.60	232	43956	19.99	ng	# 32
66) 4-Bromophenyl-phenylether	10.30	248	5981	2.63	ng	# 1
69) Pentachlorophenol	10.54	266	19093	18.11	ng	# 64

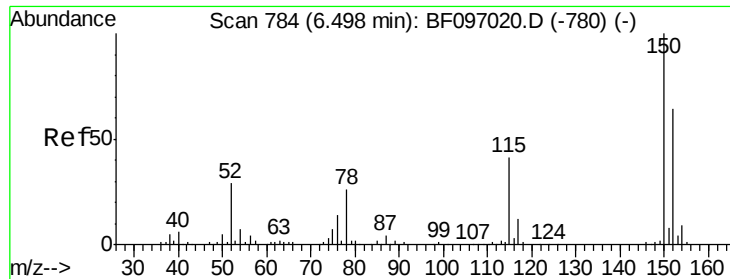
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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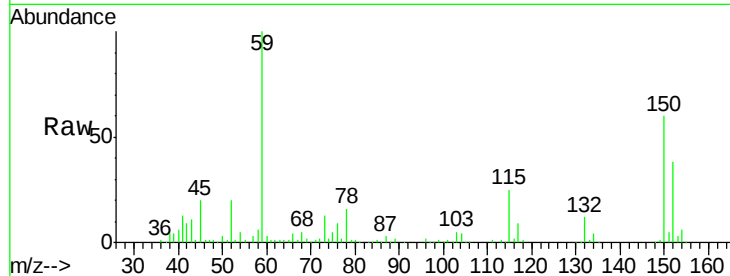


#1

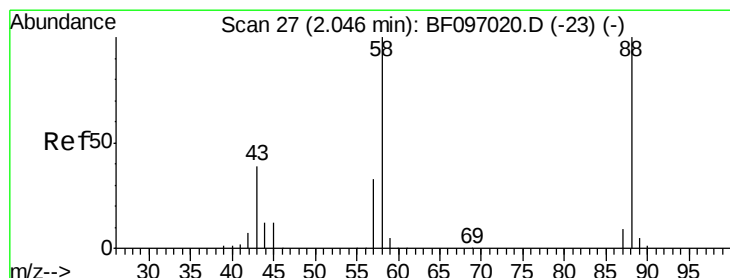
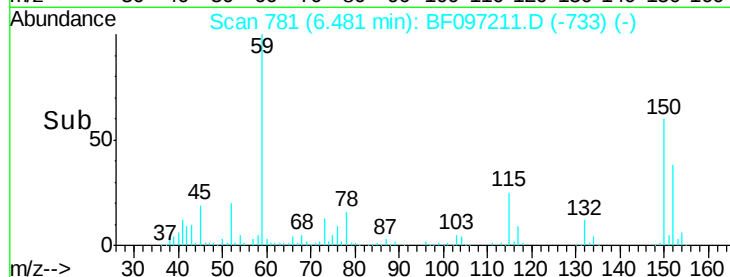
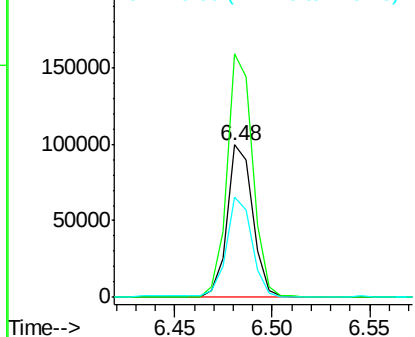
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.48 min Scan# 781
Delta R.T. -0.02 min
Lab File: BF097211.D
Acq: 31 Jul 2017 16:47

Instrument :
BNA_F
ClientSampleId :
WW-1-2-3-DUP-COMP

Tot Ion:152 Resp: 90462
Ion Ratio Lower Upper
152 100
150 160.0 126.2 189.2
115 66.1 52.2 78.2



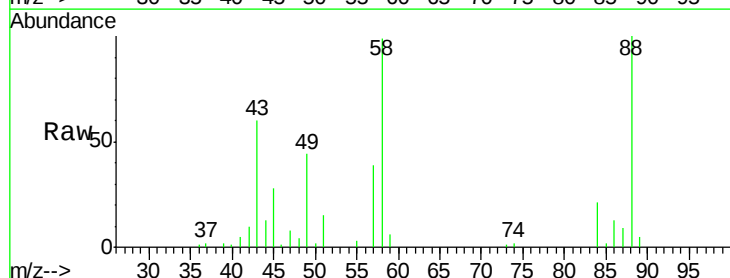
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



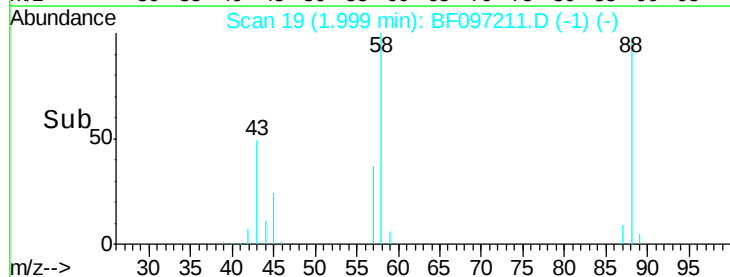
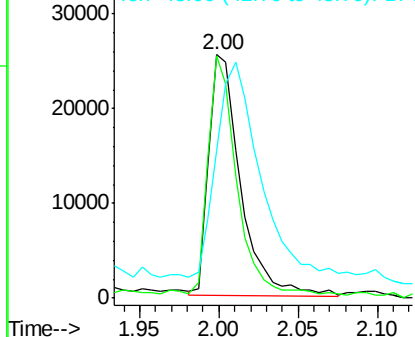
#2

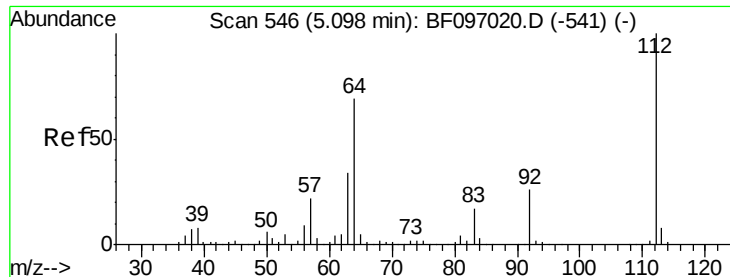
1,4-Dioxane
Concen: 14.24 ng
RT: 2.00 min Scan# 19
Delta R.T. -0.05 min
Lab File: BF097211.D
Acq: 31 Jul 2017 16:47

Tgt Ion: 88 Resp: 35664
Ion Ratio Lower Upper
88 100
58 90.2 61.4 92.0
43 121.0 23.4 35.0#



Abundance Ion 88.00 (87.70 to 88.70): BF0
Ion 58.00 (57.70 to 58.70): BF0
Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 15.01 ng

RT: 5.13 min Scan# 551

Delta R.T. 0.03 min

Lab File: BF097211.D

Acq: 31 Jul 2017 16:47

Instrument :

BNA_F

ClientSampleId :

WW-1-2-3-DUP-COMP

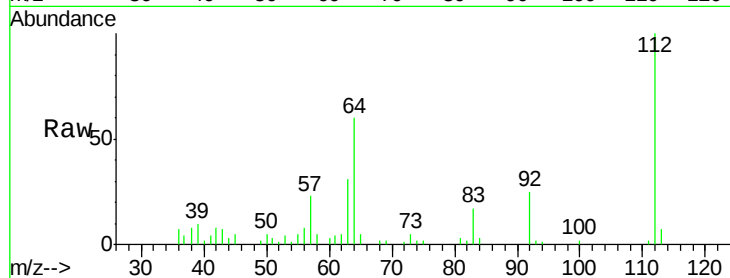
Tot Ion:112 Resp: 90060

Ion Ratio Lower Upper

112 100

64 60.5 46.0 69.0

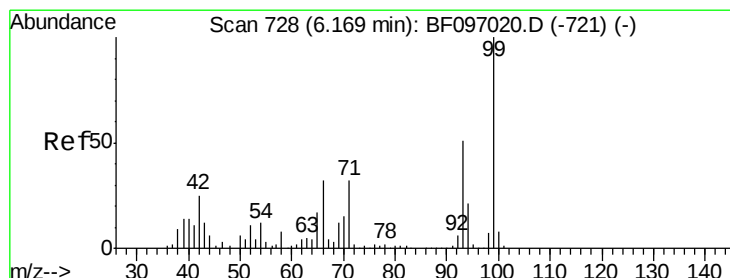
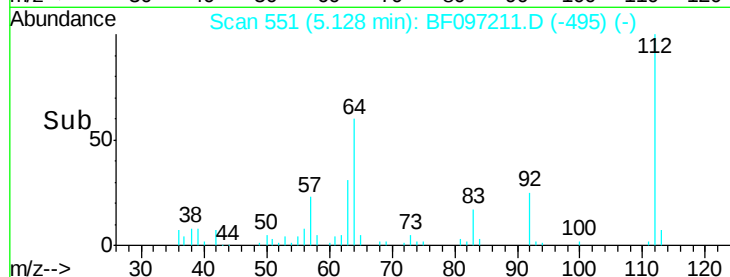
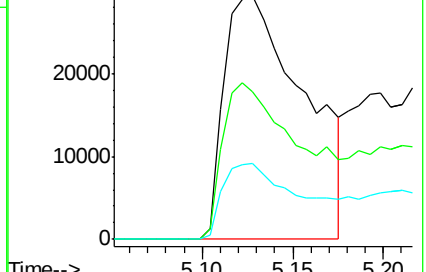
63 31.4 23.4 35.0



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: 3.55 ng

RT: 6.27 min Scan# 745

Delta R.T. 0.10 min

Lab File: BF097211.D

Acq: 31 Jul 2017 16:47

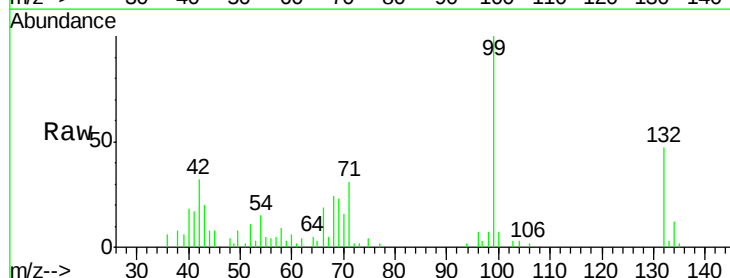
Tgt Ion: 99 Resp: 24354

Ion Ratio Lower Upper

99 100

42 31.7 13.5 20.3#

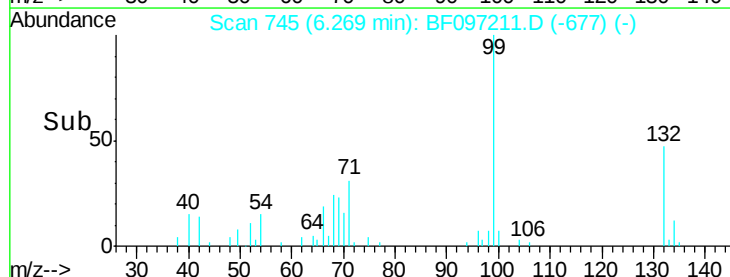
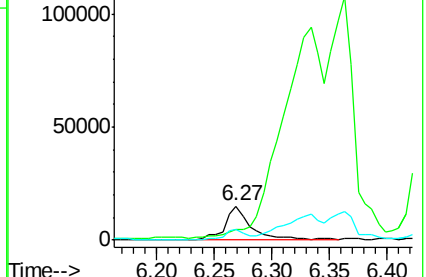
71 31.4 24.5 36.7

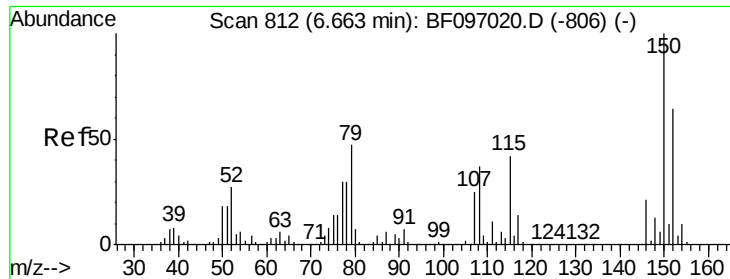


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#15

Benzyl Alcohol

Concen: 5.66 ng

RT: 6.84 min Scan# 842

Delta R.T. 0.18 min

Lab File: BF097211.D

Acq: 31 Jul 2017 16:47

Instrument :

BNA_F

ClientSampleId :

WW-1-2-3-DUP-COMP

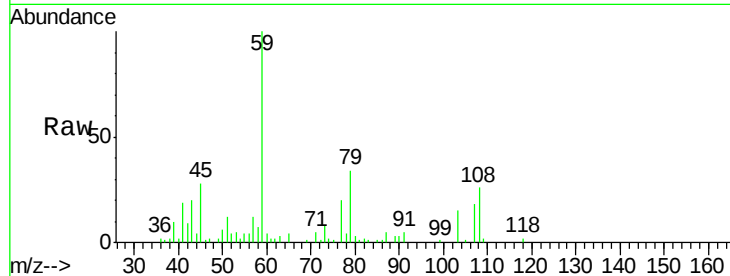
Tot Ion: 79 Resp: 24554

Ion Ratio Lower Upper

79 100

108 76.4 63.4 95.0

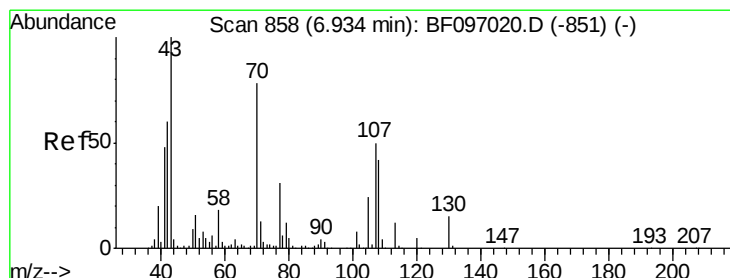
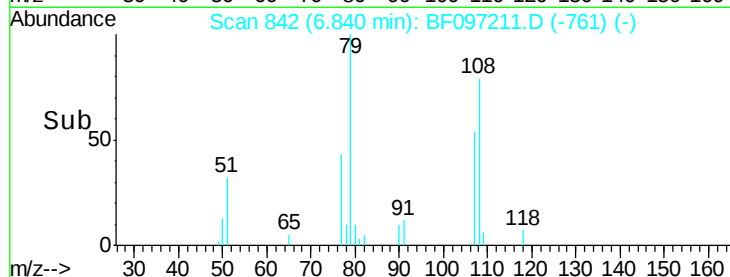
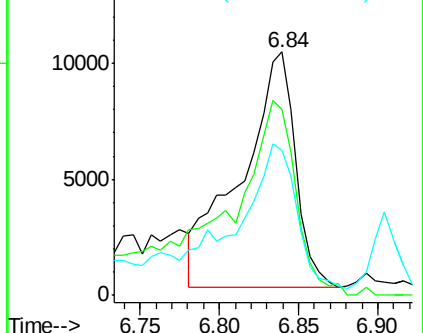
77 59.8 49.2 73.8



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 46.41 ng

RT: 6.90 min Scan# 853

Delta R.T. -0.03 min

Lab File: BF097211.D

Acq: 31 Jul 2017 16:47

Tgt Ion: 70 Resp: 209272

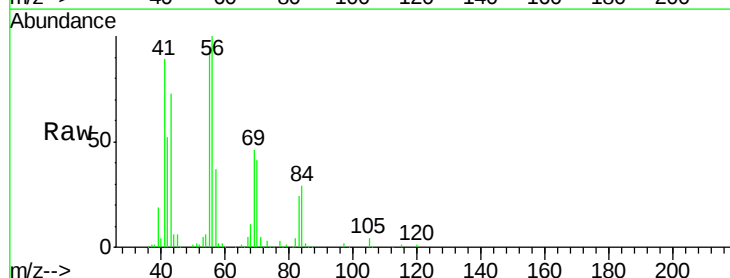
Ion Ratio Lower Upper

70 100

42 125.8 47.2 70.8#

101 0.0 7.2 10.8#

130 0.0 15.9 23.9#

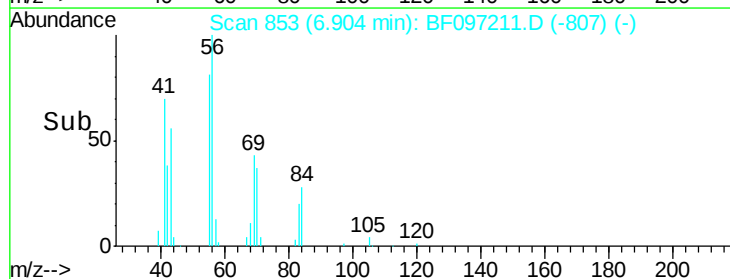
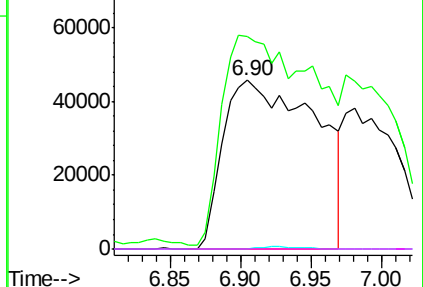


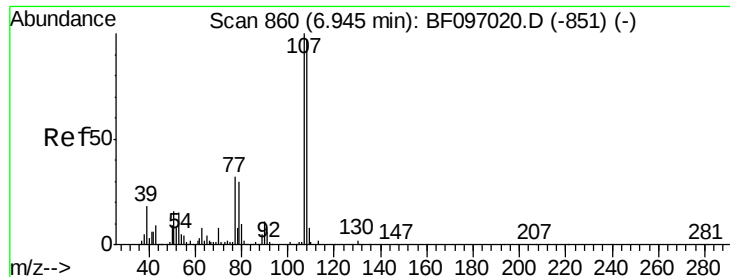
Abundance Ion 70.00 (69.70 to 70.70): BF0

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





#20

3+4-Methylphenols

Concen: 2.61 ng

RT: 6.84 min Scan# 842

Delta R.T. -0.11 min

Lab File: BF097211.D

Acq: 31 Jul 2017 16:47

Instrument :

BNA_F

ClientSampleId :

WW-1-2-3-DUP-COMP

Tot Ion:107 Resp: 16894

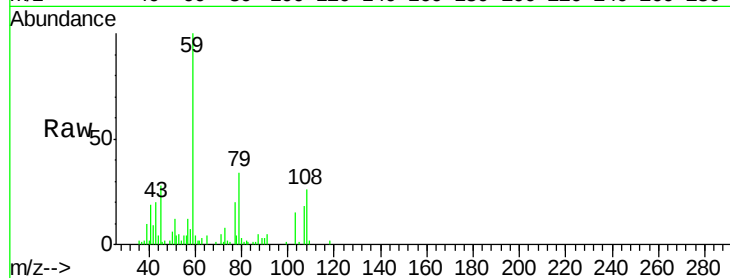
Ion Ratio Lower Upper

107 100

108 144.9 71.0 111.0#

77 113.3 90.5 130.5

79 189.6 8.4 48.4#

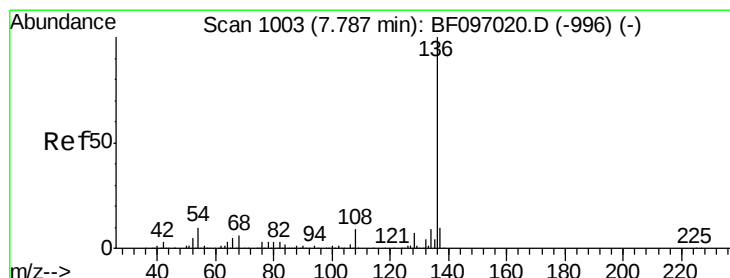
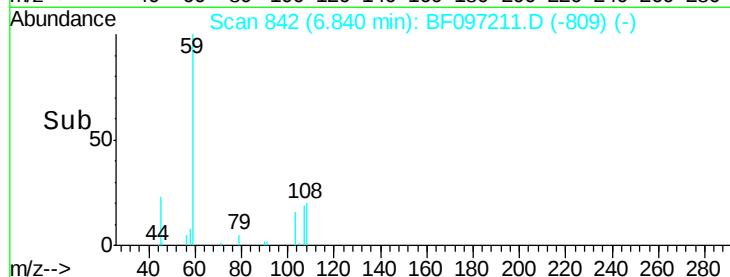
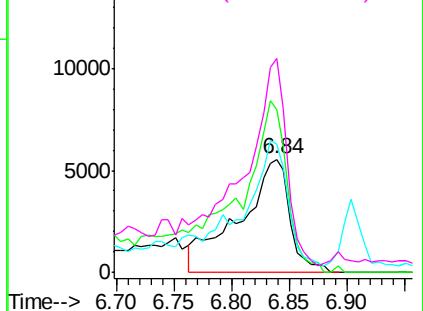


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.80 min Scan# 1005

Delta R.T. 0.01 min

Lab File: BF097211.D

Acq: 31 Jul 2017 16:47

Tgt Ion:136 Resp: 441991

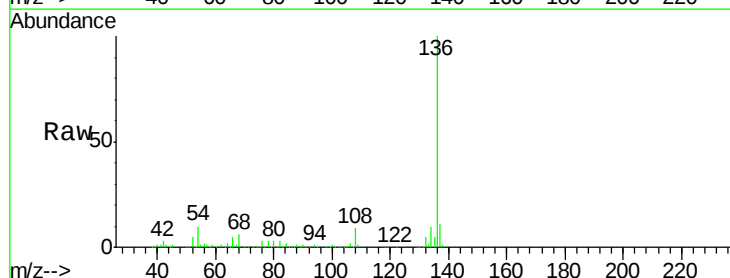
Ion Ratio Lower Upper

136 100

137 10.7 8.5 12.7

54 10.3 4.9 7.3#

68 5.5 4.1 6.1

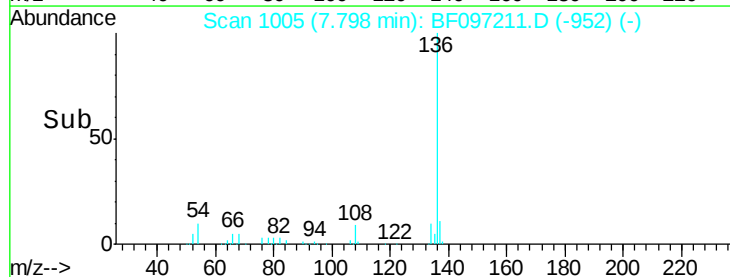
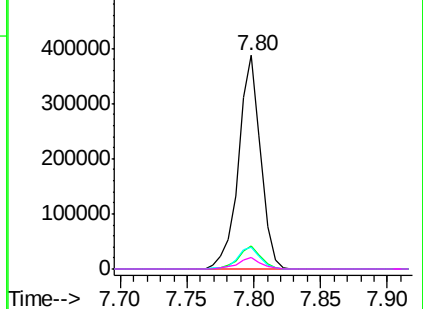


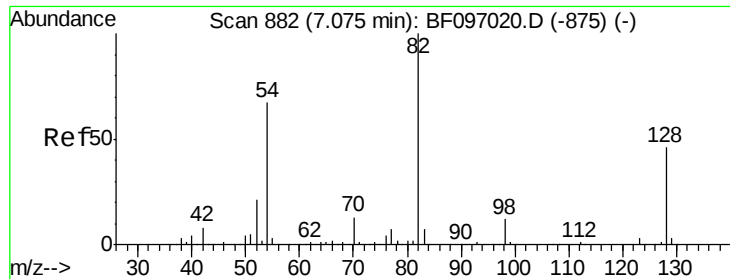
Abundance Ion 136.00 (135.70 to 136.70): E

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

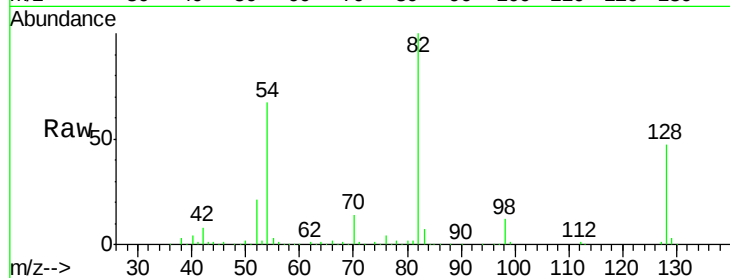




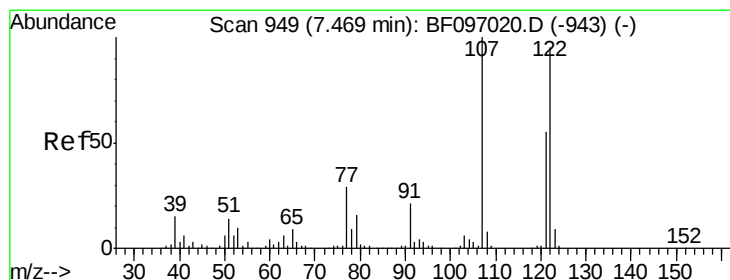
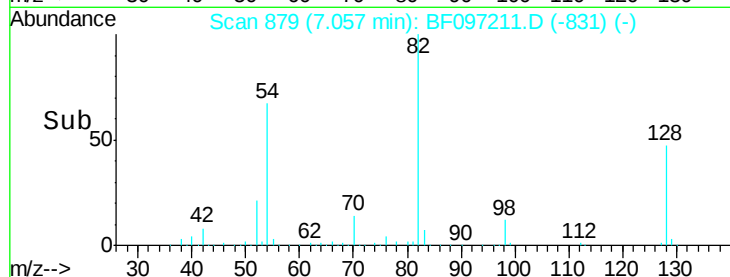
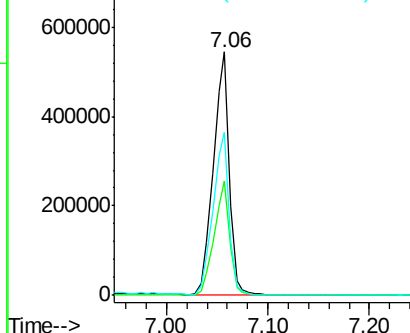
#23
 Nitrobenzene-d5
 Concen: 78.54 ng
 RT: 7.06 min Scan# 879
 Delta R.T. -0.02 min
 Lab File: BF097211.D
 Acq: 31 Jul 2017 16:47

Instrument :
 BNA_F
 ClientSampleId :
 WW-1-2-3-DUP-COMP

Tot Ion: 82 Resp: 591774
 Ion Ratio Lower Upper
 82 100
 128 47.1 34.0 51.0
 54 67.1 42.2 63.2#

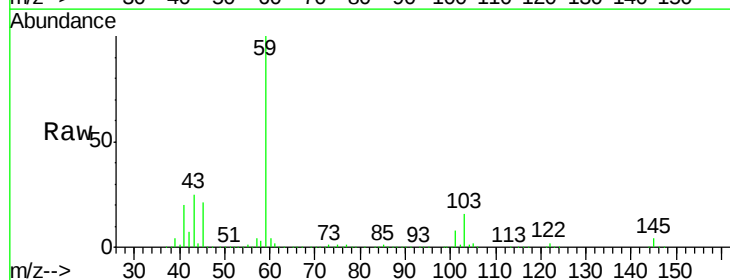


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

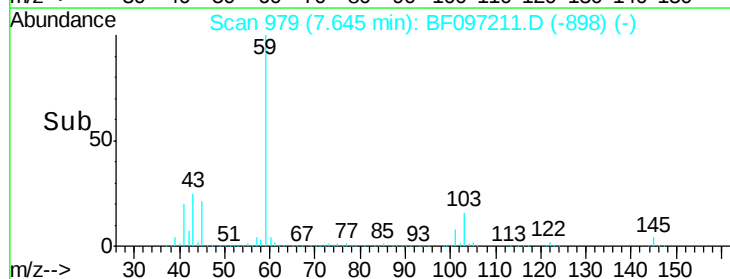
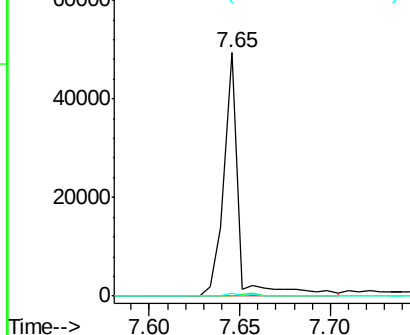


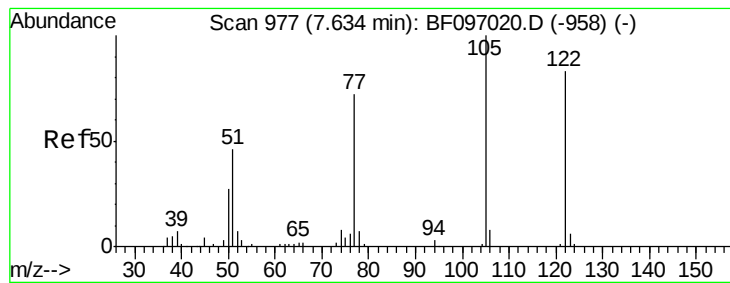
#27
 2,4-Dimethylphenol
 Concen: 3.94 ng
 RT: 7.65 min Scan# 979
 Delta R.T. 0.18 min
 Lab File: BF097211.D
 Acq: 31 Jul 2017 16:47

Tgt Ion:122 Resp: 27576
 Ion Ratio Lower Upper
 122 100
 107 0.0 89.2 133.8#
 121 1.3 45.2 67.8#



Abundance Ion 122.00 (121.70 to 122.70): E
 Ion 107.00 (106.70 to 107.70): E
 Ion 121.00 (120.70 to 121.70): E





#32

Benzoic acid

Concen: 5.27 ng

RT: 7.65 min Scan# 979

Delta R.T. 0.01 min

Lab File: BF097211.D

Acq: 31 Jul 2017 16:47

Instrument :

BNA_F

ClientSampleId :

WW-1-2-3-DUP-COMP

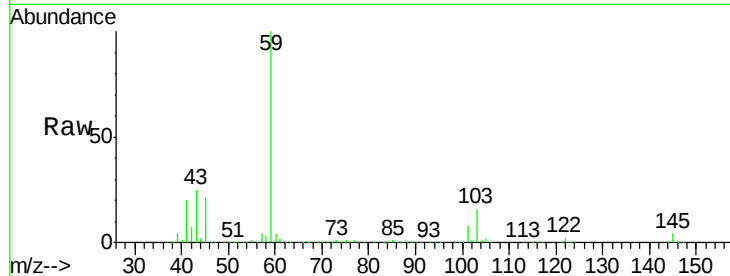
Tot Ion:122 Resp: 27576

Ion Ratio Lower Upper

122 100

105 108.6 103.3 143.3

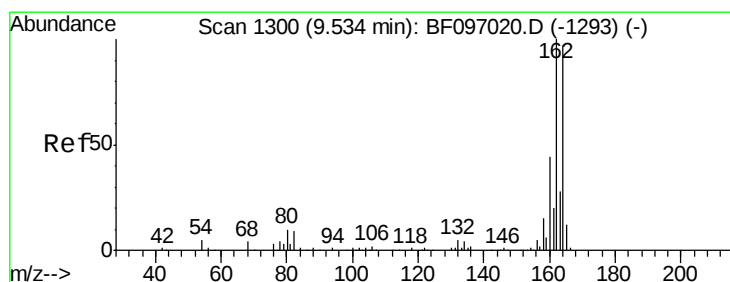
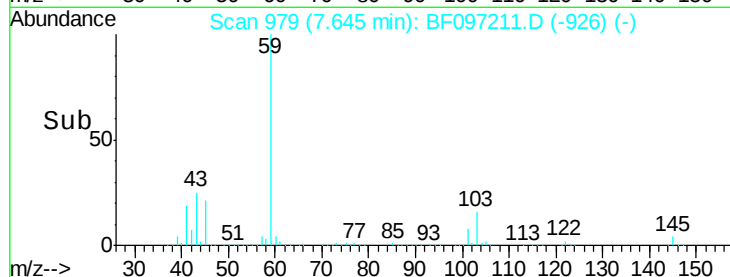
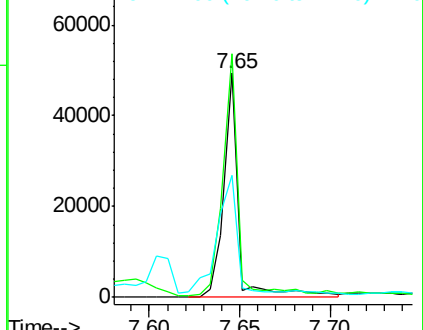
77 54.6 73.7 113.7#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.51 min Scan# 1296

Delta R.T. -0.02 min

Lab File: BF097211.D

Acq: 31 Jul 2017 16:47

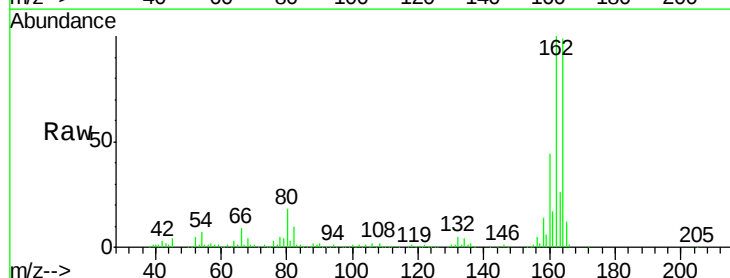
Tgt Ion:164 Resp: 164563

Ion Ratio Lower Upper

164 100

162 101.3 82.6 123.8

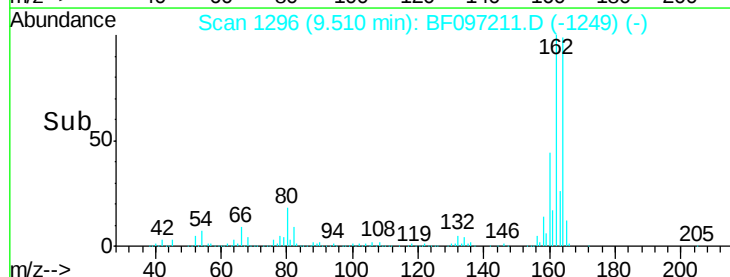
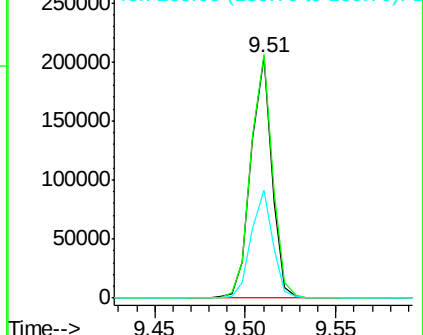
160 44.8 36.2 54.2

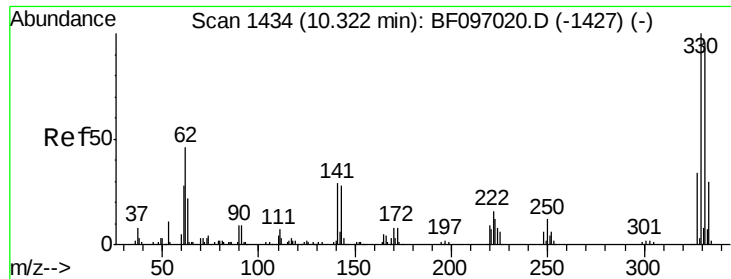


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#41

2,4,6-Tribromophenol

Concen: 69.71 ng

RT: 10.30 min Scan# 1430

Delta R.T. -0.02 min

Lab File: BF097211.D

Acq: 31 Jul 2017 16:47

Instrument :

BNA_F

ClientSampleId :

WW-1-2-3-DUP-COMP

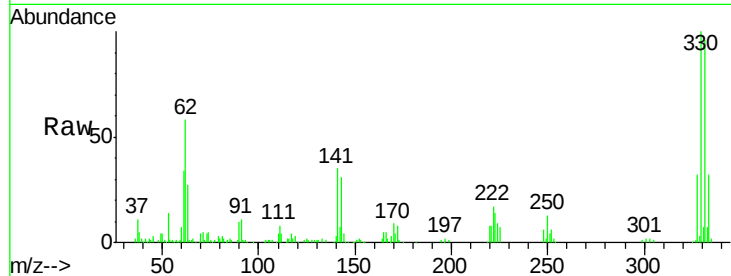
Tot Ion:330 Resp: 90639

Ion Ratio Lower Upper

330 100

332 96.2 76.6 115.0

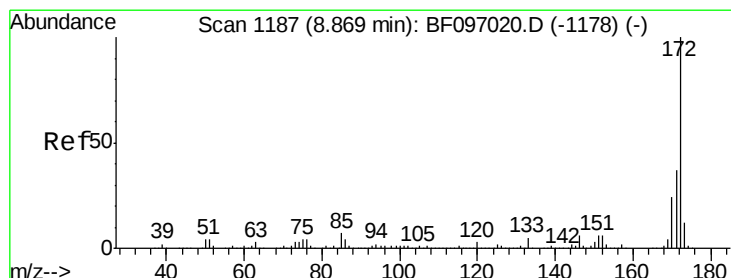
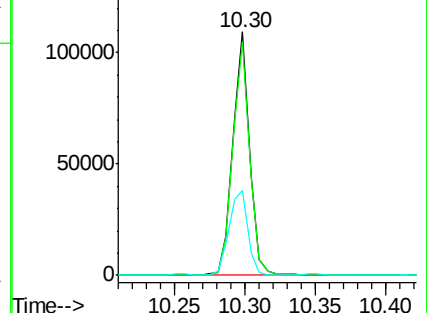
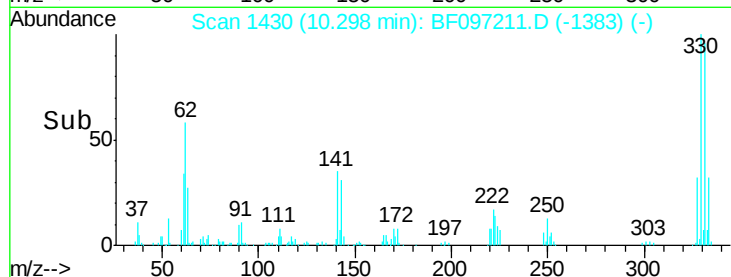
141 39.3 31.4 47.2



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: 88.85 ng

RT: 8.85 min Scan# 1184

Delta R.T. -0.02 min

Lab File: BF097211.D

Acq: 31 Jul 2017 16:47

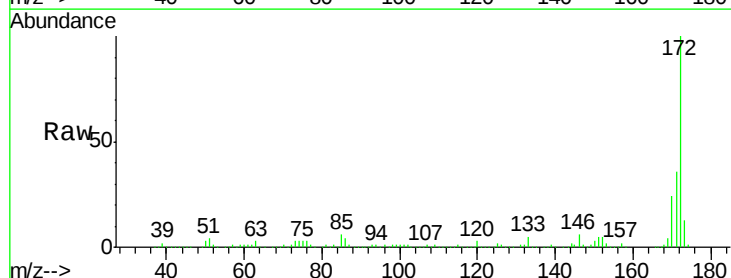
Tgt Ion:172 Resp: 861583

Ion Ratio Lower Upper

172 100

171 35.6 29.6 44.4

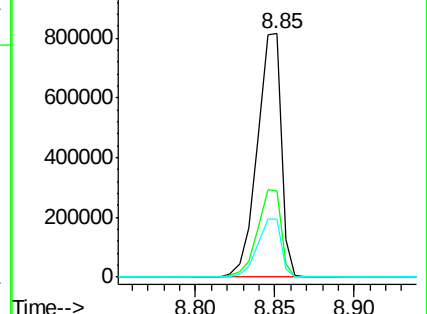
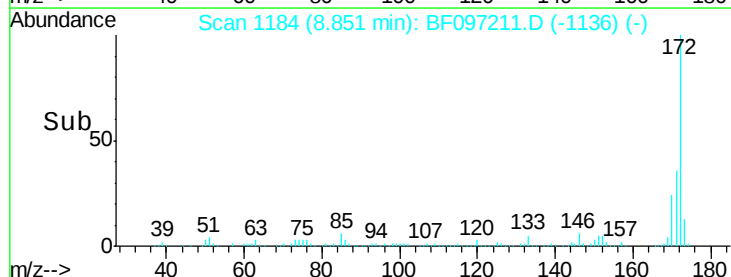
170 23.6 19.8 29.8

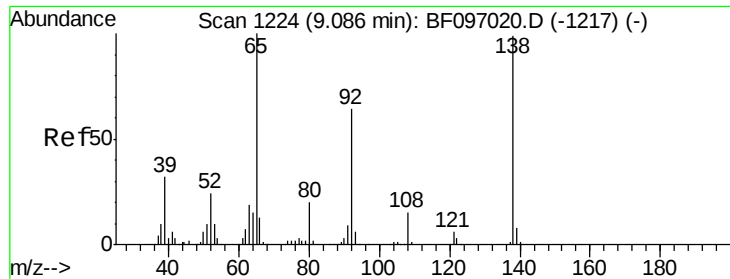


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

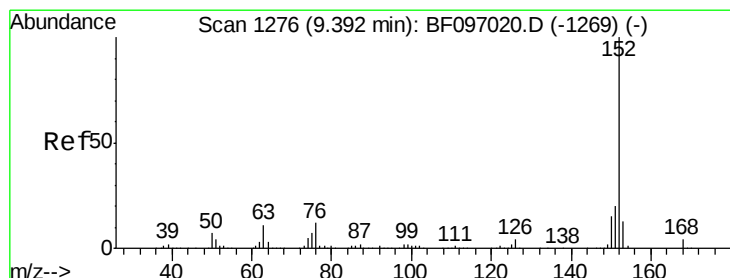
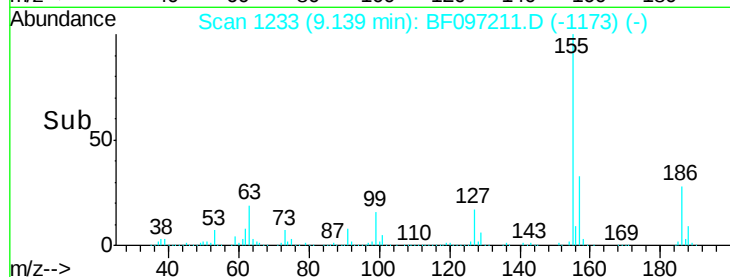
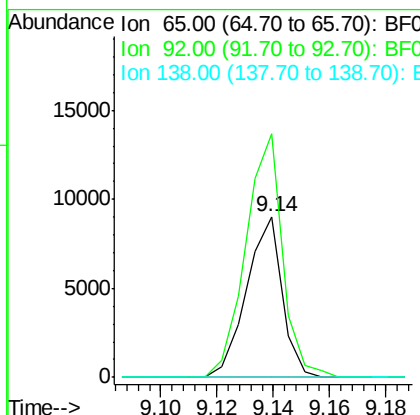
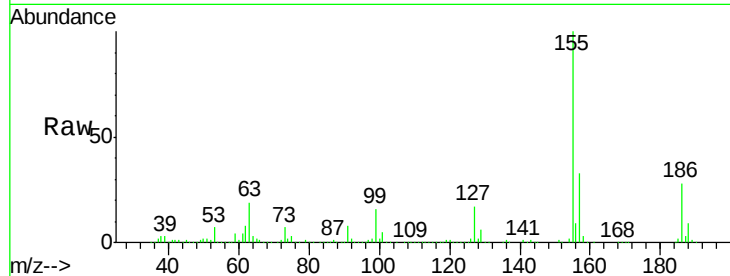




#47
 2-Nitroaniline
 Concen: 2.09 ng
 RT: 9.14 min Scan# 1233
 Delta R.T. 0.05 min
 Lab File: BF097211.D
 Acq: 31 Jul 2017 16:47

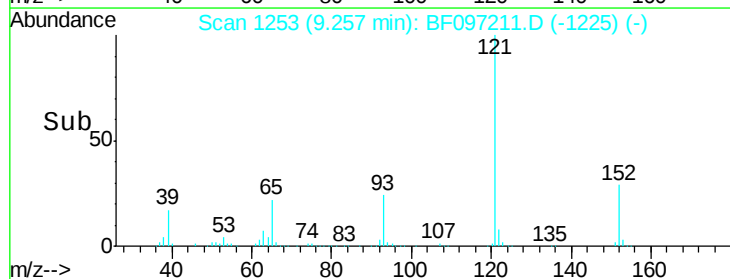
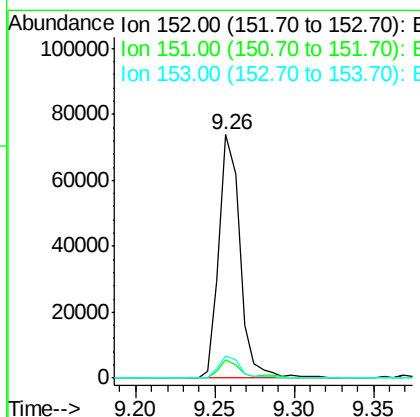
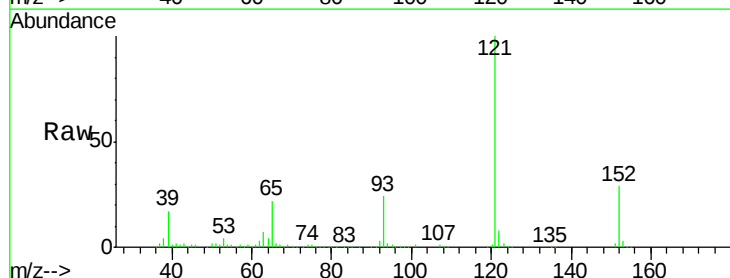
Instrument :
 BNA_F
 ClientSampleId :
 WW-1-2-3-DUP-COMP

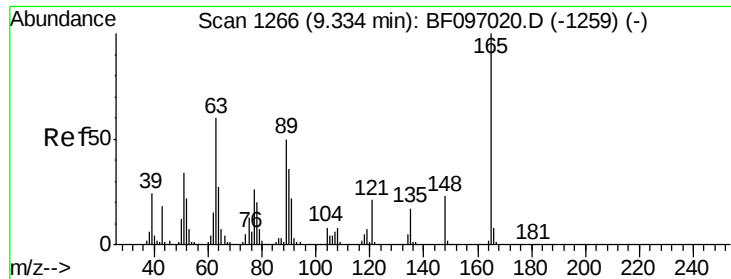
Tot Ion: 65 Resp: 7830
 Ion Ratio Lower Upper
 65 100
 92 151.7 53.9 80.9#
 138 0.0 78.8 118.2#



#48
 Acenaphthylene
 Concen: 4.32 ng
 RT: 9.26 min Scan# 1253
 Delta R.T. -0.14 min
 Lab File: BF097211.D
 Acq: 31 Jul 2017 16:47

Tgt Ion: 152 Resp: 68549
 Ion Ratio Lower Upper
 152 100
 151 7.7 16.8 25.2#
 153 9.3 10.8 16.2#

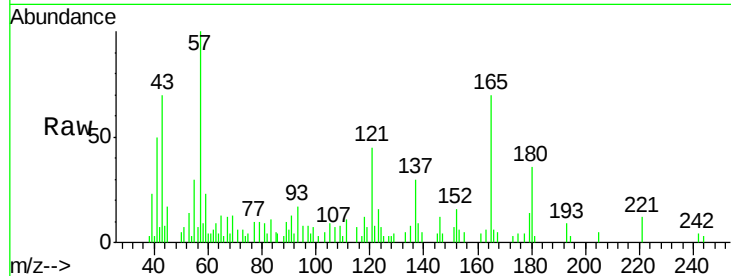




#50
2,6-Dinitrotoluene
Concen: 2.24 ng
RT: 9.29 min Scan# 1258
Delta R.T. -0.05 min
Lab File: BF097211.D
Acq: 31 Jul 2017 16:47

Instrument :
BNA_F
ClientSampleId :
WW-1-2-3-DUP-COMP

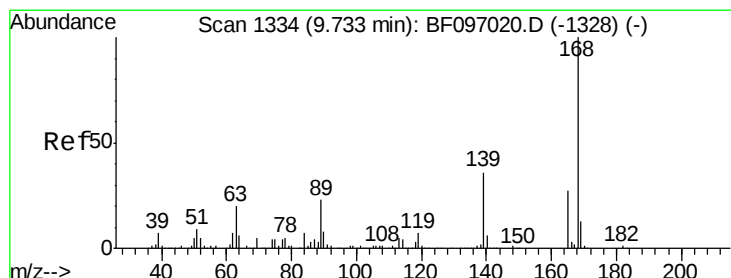
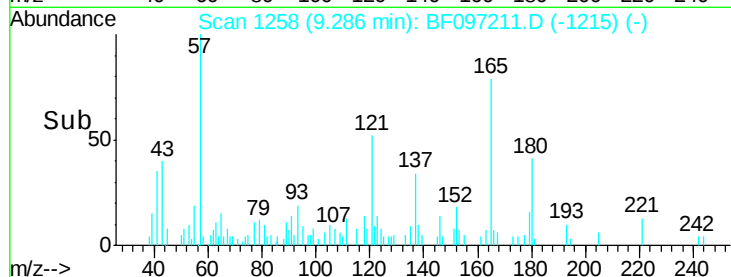
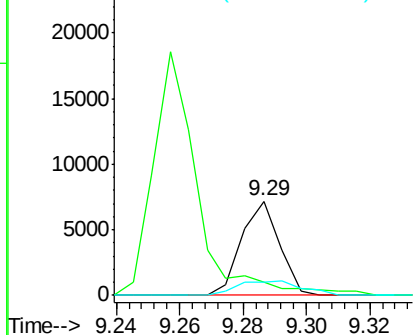
Tot Ion	Ratio	Lower	Upper
165	100		
63	13.5	34.3	51.5#
89	14.2	37.1	55.7#



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: 6.85 ng
RT: 9.51 min Scan# 1296
Delta R.T. -0.22 min
Lab File: BF097211.D
Acq: 31 Jul 2017 16:47

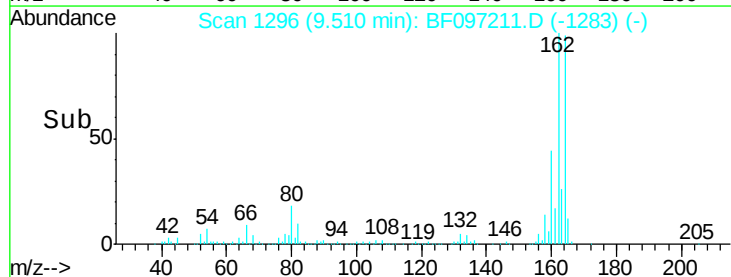
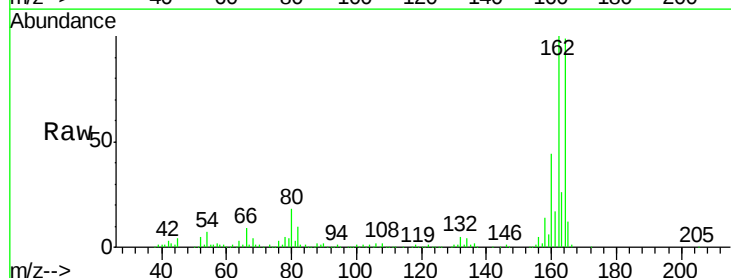
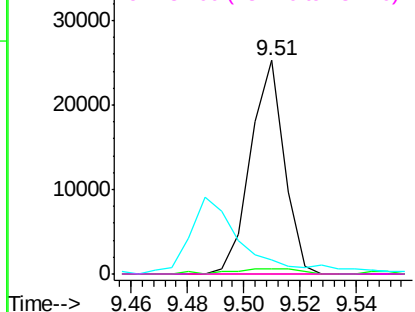
Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.5	25.4	38.0#
89	6.4	46.4	69.6#
182	0.0	1.8	2.6#

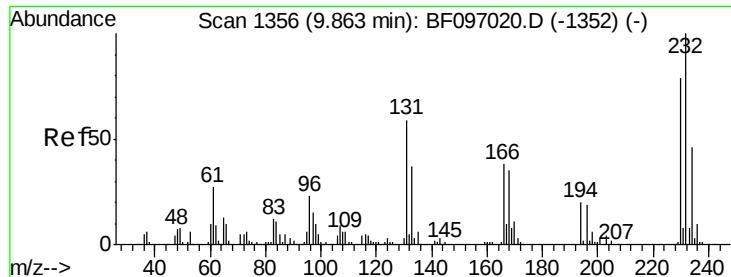
Abundance Ion 165.00 (164.70 to 165.70): E

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

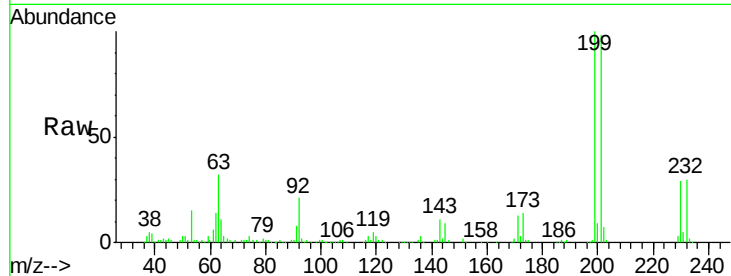




#58
 2,3,4,6-Tetrachlorophenol
 Concen: 19.99 ng
 RT: 9.60 min Scan# 1312
 Delta R.T. -0.26 min
 Lab File: BF097211.D
 Acq: 31 Jul 2017 16:47

Instrument :
 BNA_F
 ClientSampleId :
 WW-1-2-3-DUP-COMP

Tot Ion	Ratio	Lower	Upper
232	100		
131	1.3	44.8	67.2#
130	0.0	2.3	3.5#
166	0.0	29.0	43.4#

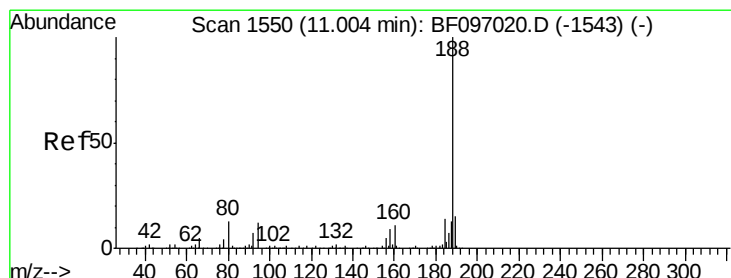
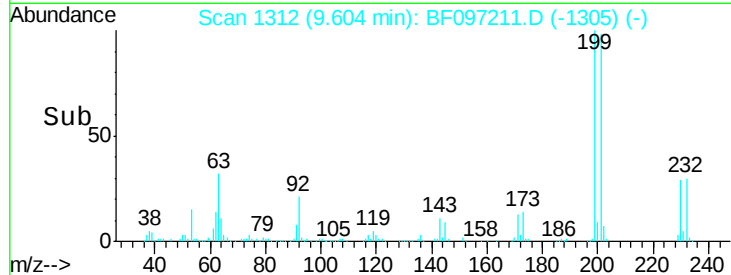
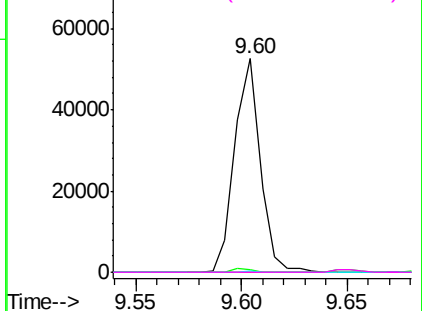


Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

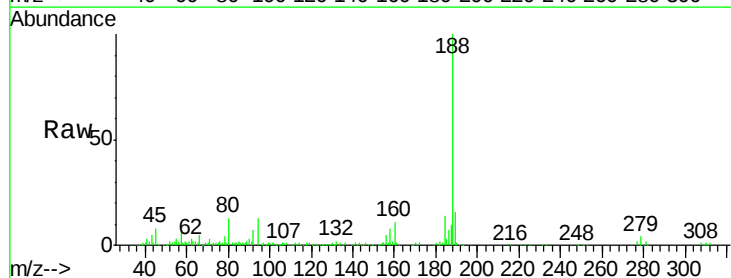
Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 10.98 min Scan# 1546
 Delta R.T. -0.02 min
 Lab File: BF097211.D
 Acq: 31 Jul 2017 16:47

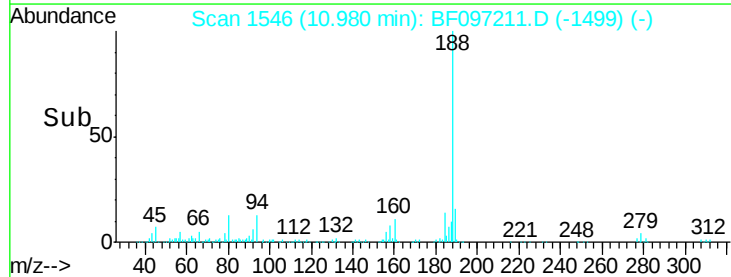
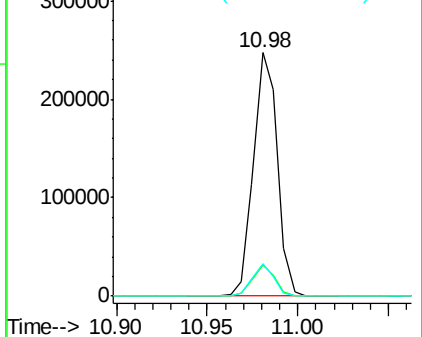
Tgt Ion	Ratio	Lower	Upper
188	100		
94	12.8	9.4	14.2
80	13.3	10.2	15.2

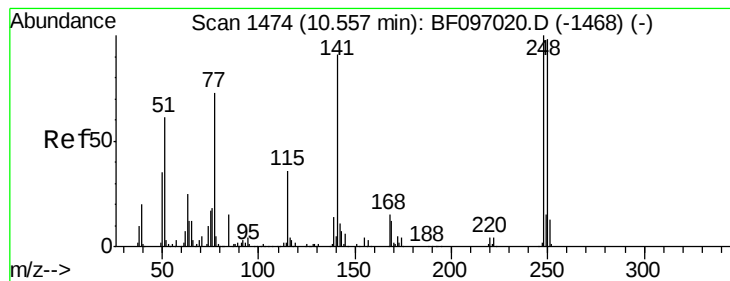


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#66

4-Bromophenyl-phenylether

Concen: 2.63 ng

RT: 10.30 min Scan# 1430

Delta R.T. -0.26 min

Lab File: BF097211.D

Acq: 31 Jul 2017 16:47

Instrument :

BNA_F

ClientSampleId :

WW-1-2-3-DUP-COMP

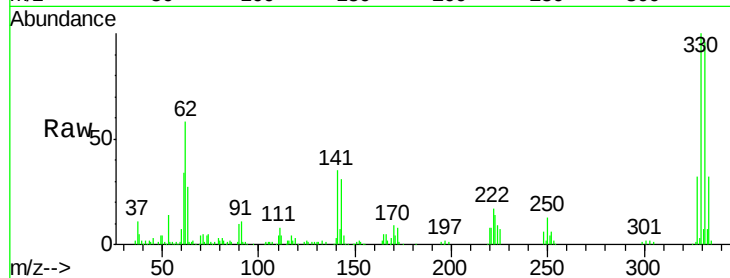
Tot Ion:248 Resp: 5981

Ion Ratio Lower Upper

248 100

250 204.0 76.8 115.2#

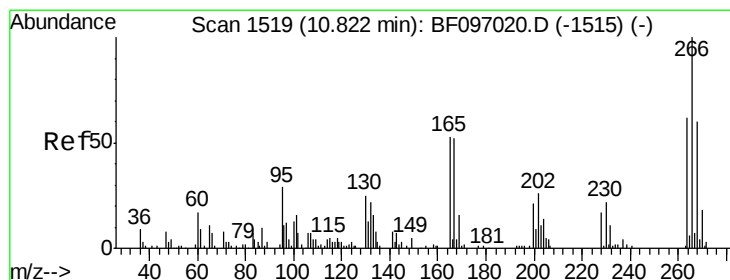
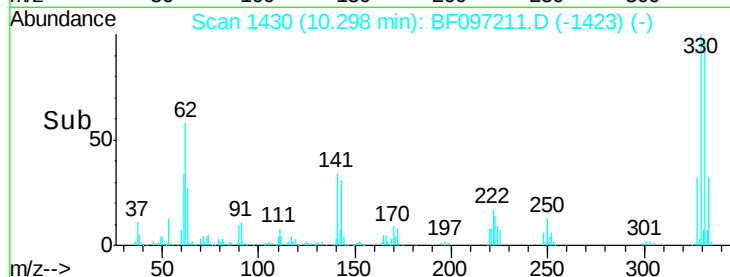
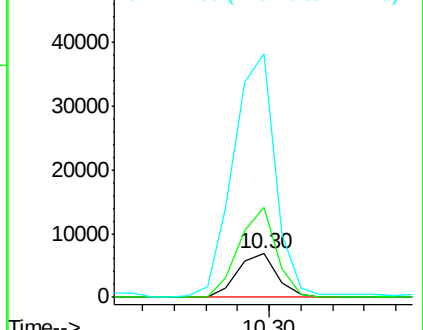
141 554.9 68.6 103.0#



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



#69

Pentachlorophenol

Concen: 18.11 ng

RT: 10.54 min Scan# 1471

Delta R.T. -0.28 min

Lab File: BF097211.D

Acq: 31 Jul 2017 16:47

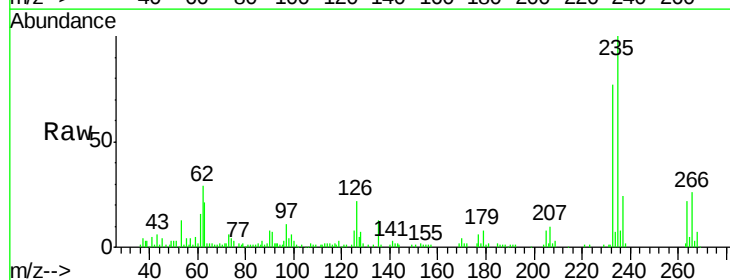
Tgt Ion:266 Resp: 19093

Ion Ratio Lower Upper

266 100

268 25.7 51.1 76.7#

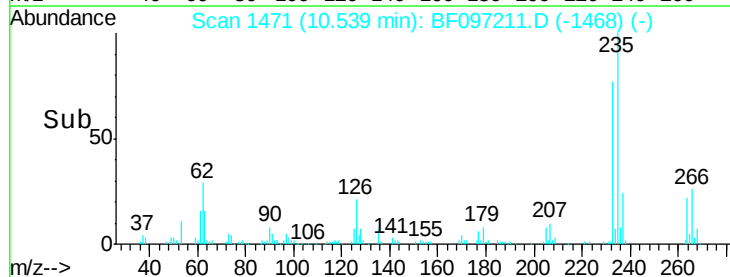
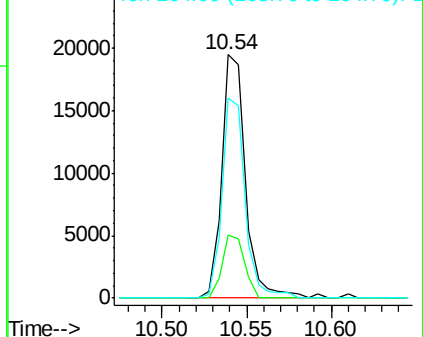
264 82.2 51.7 77.5#

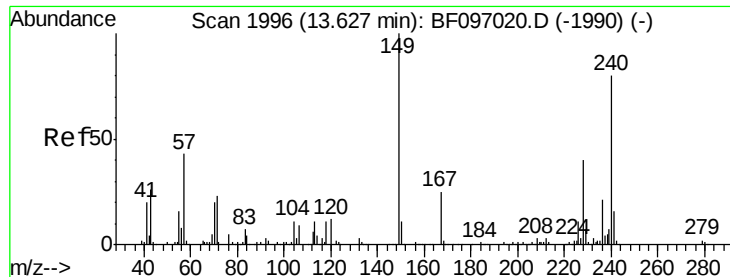


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.61 min Scan# 1993

Delta R.T. -0.02 min

Lab File: BF097211.D

Acq: 31 Jul 2017 16:47

Instrument :

BNA_F

ClientSampleId :

WW-1-2-3-DUP-COMP

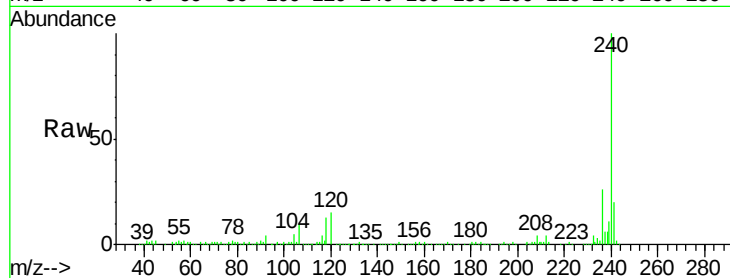
Tot Ion:240 Resp: 213297

Ion Ratio Lower Upper

240 100

120 15.0 5.8 8.8#

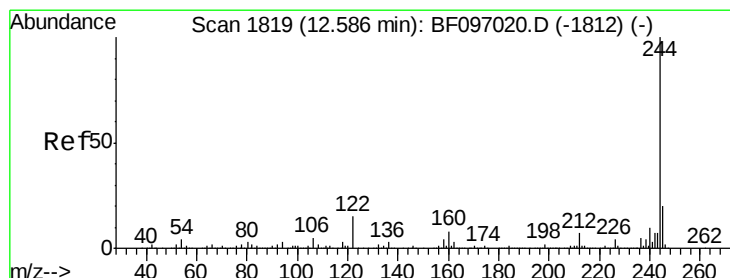
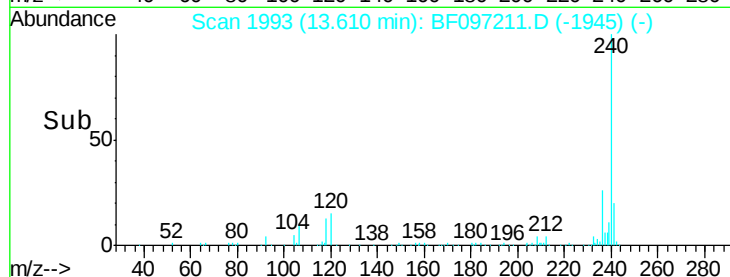
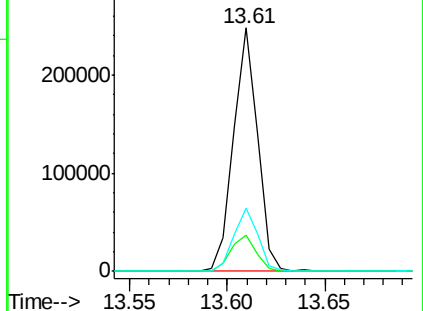
236 26.0 20.5 30.7



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: 51.88 ng

RT: 12.57 min Scan# 1816

Delta R.T. -0.02 min

Lab File: BF097211.D

Acq: 31 Jul 2017 16:47

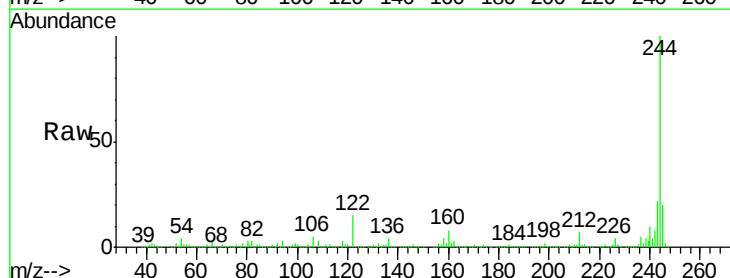
Tgt Ion:244 Resp: 542744

Ion Ratio Lower Upper

244 100

212 6.9 6.0 9.0

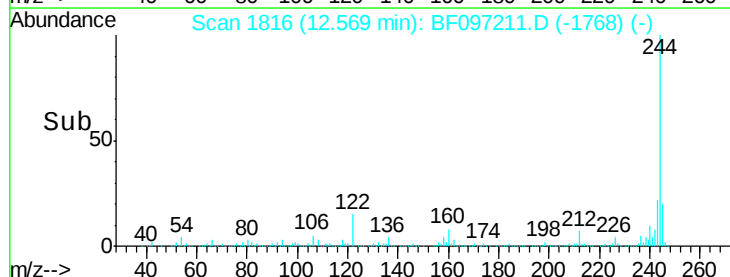
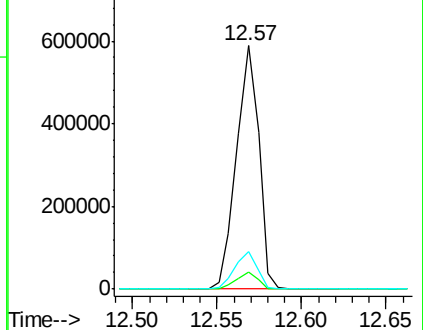
122 15.4 10.3 15.5

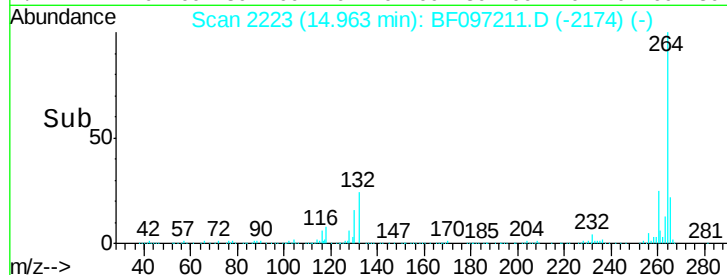
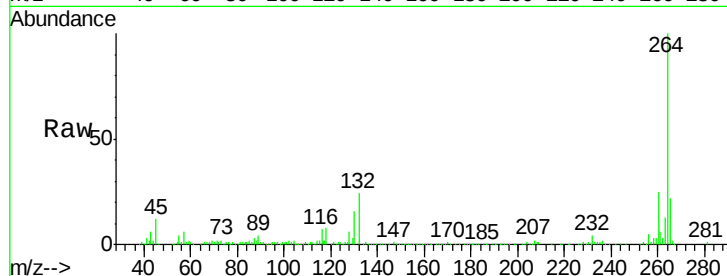
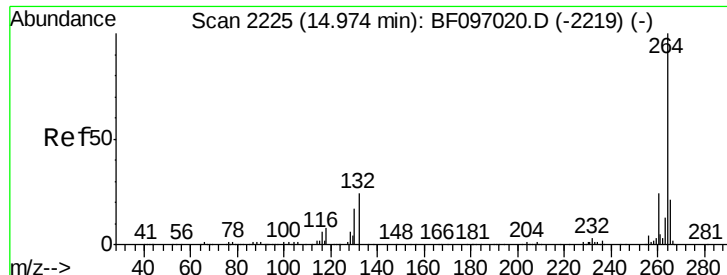


Abundance Ion 244.00 (243.70 to 244.70): E

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: 14.96 min Scan# 2223
 Delta R.T. -0.01 min
 Lab File: BF097211.D
 Acq: 31 Jul 2017 16:47

Instrument :
 BNA_F
 ClientSampleId :
 WW-1-2-3-DUP-COMP

Tot Ion:	264	Resp:	208243
Ion	Ratio	Lower	Upper
264	100		
260	25.3	19.5	29.3
265	21.8	17.2	25.8

