

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081517\
 Data File : BF097694.D
 Acq On : 15 Aug 2017 16:41
 Operator : SJ/JU
 Sample : I4753-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DRUMS-COMP

Quant Time: Aug 16 03:51:38 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

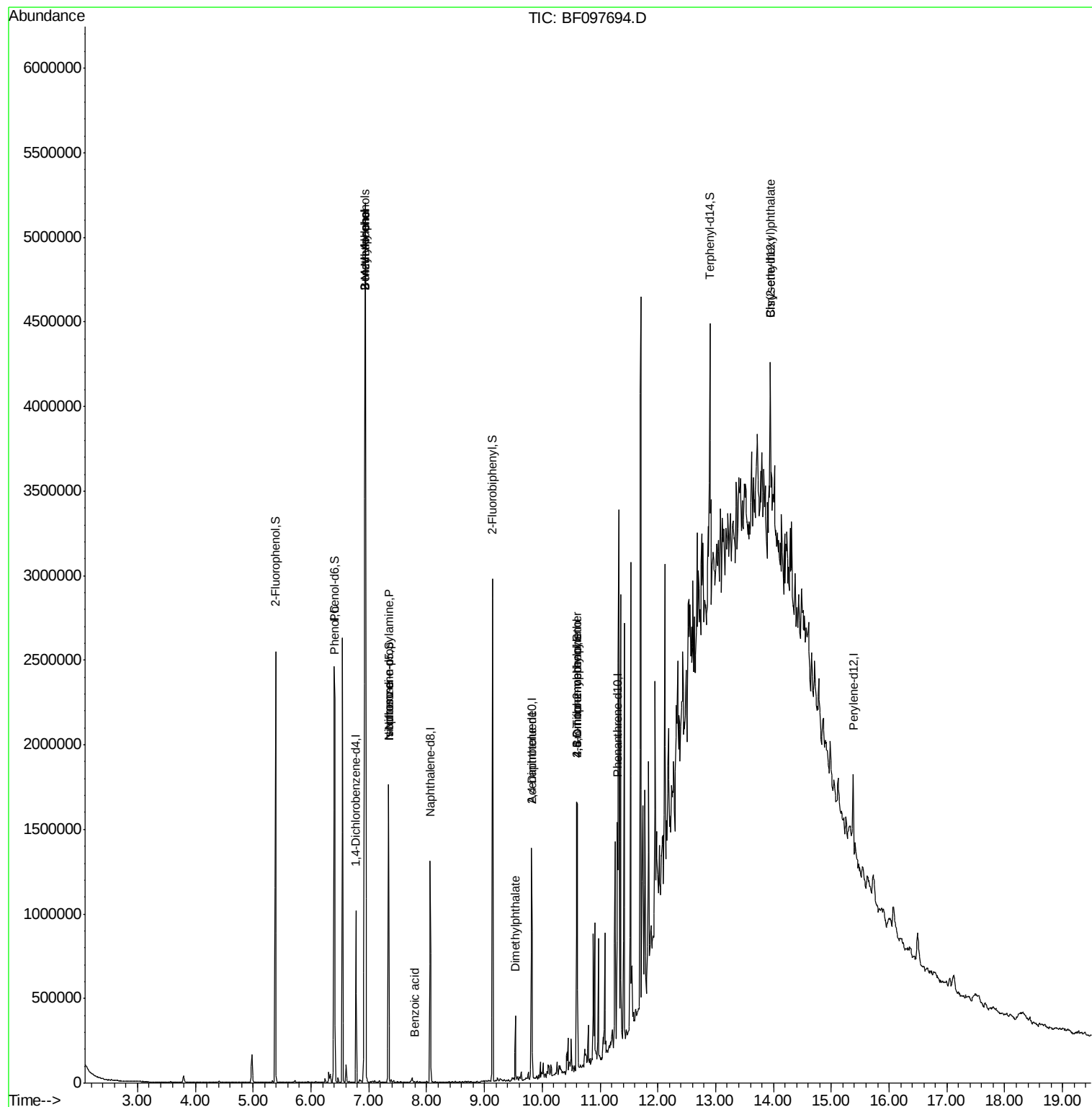
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	122676	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	498265	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	228535	20.00	ng	0.00
63) Phenanthrene-d10	11.30	188	454721	20.00	ng	0.00
75) Chrysene-d12	13.95	240	250687	20.00	ng	0.00
86) Perylene-d12	15.38	264	244519	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	713712	88.49	ng	0.00
7) Phenol-d6	6.40	99	984861	89.87	ng	0.00
23) Nitrobenzene-d5	7.35	82	595469	64.92	ng	0.00
41) 2,4,6-Tribromophenol	10.60	330	177788	89.66	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	941129	60.50	ng	0.00
78) Terphenyl-d14	12.90	244	670277	55.76	ng	0.00
Target Compounds						
10) Phenol	6.42	94	30007	2.34	ng	Qvalue 97
15) Benzyl Alcohol	6.95	79	1543040	188.08	ng	97
17) 2-Methylphenol	6.95	107	813311	108.51	ng	# 15
19) n-Nitroso-di-n-propylamine	7.35	70	81718	10.89	ng	# 73
20) 3+4-Methylphenols	6.95	107	813021	88.81	ng	# 39
25) Isophorone	7.35	82	595300	31.21	ng	# 67
32) Benzoic acid	7.79	122	225	6.44	ng	# 53
49) Dimethylphthalate	9.53	163	111824	6.69	ng	98
56) 2,4-Dinitrotoluene	9.82	165	28735	6.87	ng	# 34
64) 4,6-Dinitro-2-methylphenol	10.60	198	405	8.48	ng	# 1
66) 4-Bromophenyl-phenylether	10.60	248	11963	2.53	ng	# 1
83) Bis(2-ethylhexyl)phthalate	13.95	149	180956	20.77	ng	# 92

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

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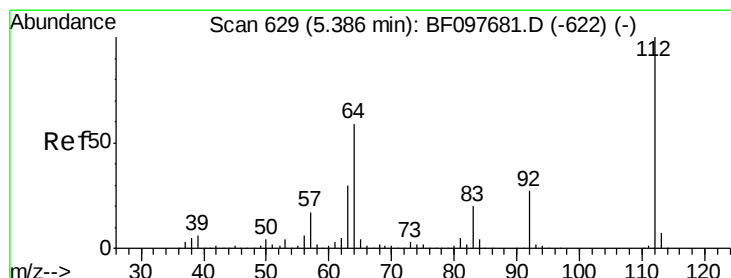
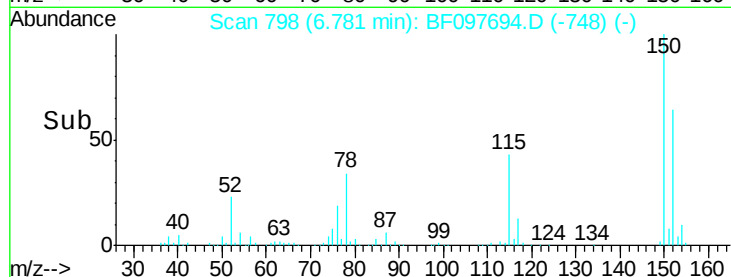
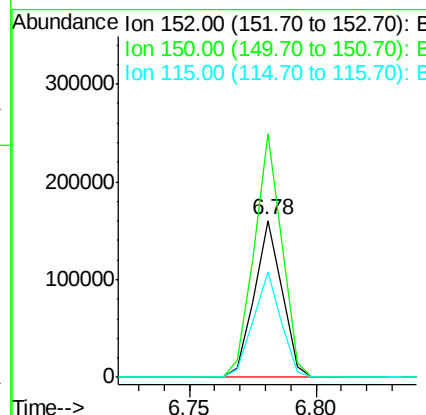
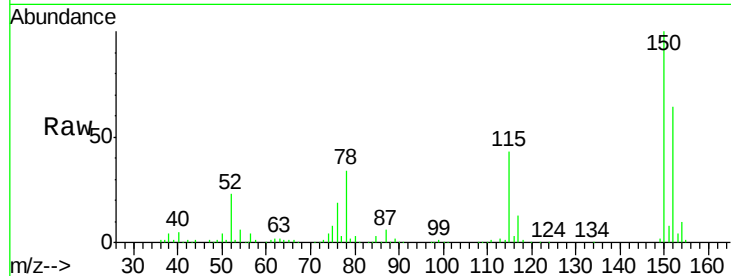




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.78 min Scan# 798
 Delta R.T. -0.01 min
 Lab File: BF097694.D
 Acq: 15 Aug 2017 16:41

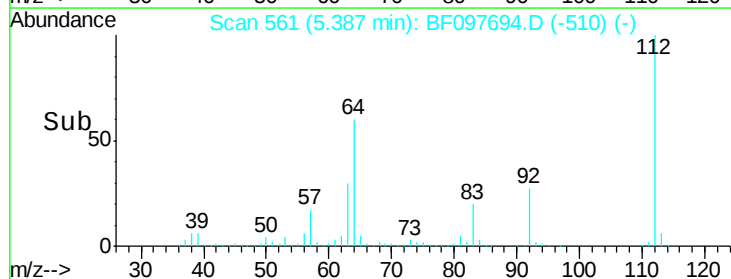
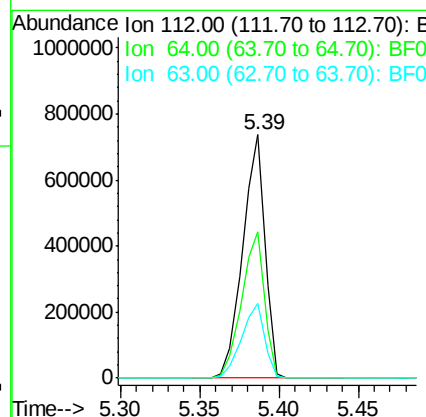
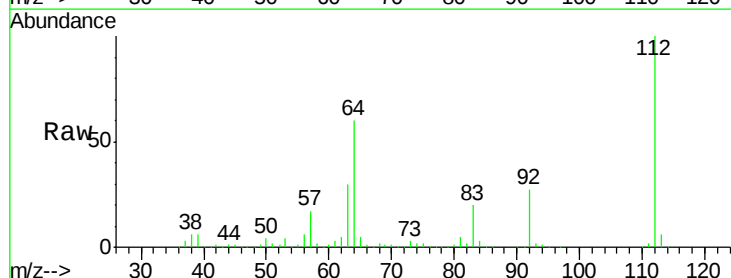
Instrument :
 BNA_F
 ClientSampleId :
 DRUMS-COMP

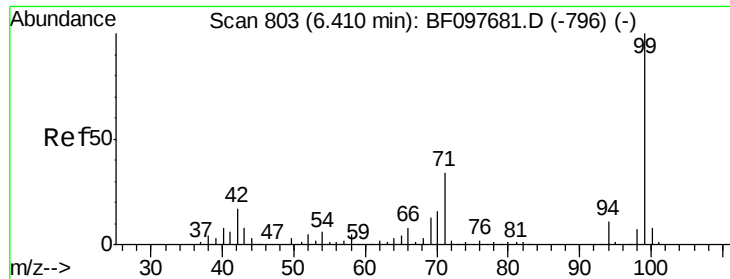
Tot Ion:152 Resp: 122676
 Ion Ratio Lower Upper
 152 100
 150 155.5 126.2 189.2
 115 67.4 52.2 78.2



#5
 2-Fluorophenol
 Concen: 88.49 ng
 RT: 5.39 min Scan# 561
 Delta R.T. 0.00 min
 Lab File: BF097694.D
 Acq: 15 Aug 2017 16:41

Tgt Ion:112 Resp: 713712
 Ion Ratio Lower Upper
 112 100
 64 60.0 46.0 69.0
 63 30.4 23.4 35.0





#7

Phenol-d6

Concen: 89.87 ng

RT: 6.40 min Scan# 734

Delta R.T. -0.01 min

Lab File: BF097694.D

Acq: 15 Aug 2017 16:41

Instrument :

BNA_F

ClientSampleId :

DRUMS-COMP

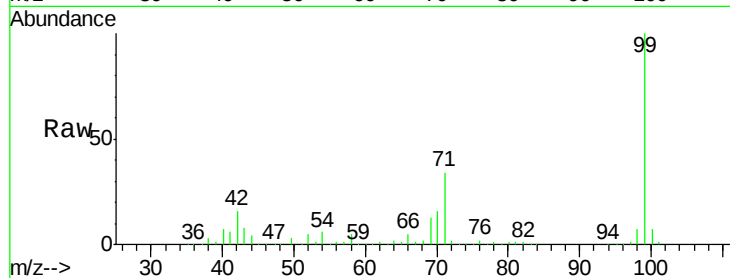
Tot Ion: 99 Resp: 984861

Ion Ratio Lower Upper

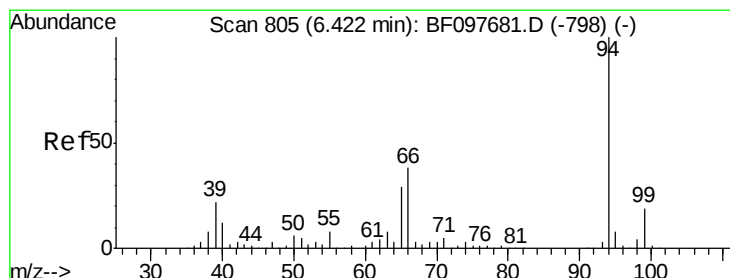
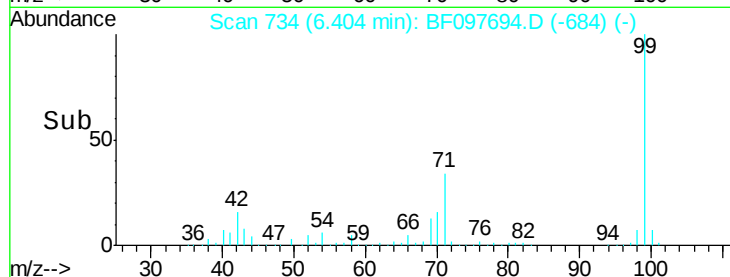
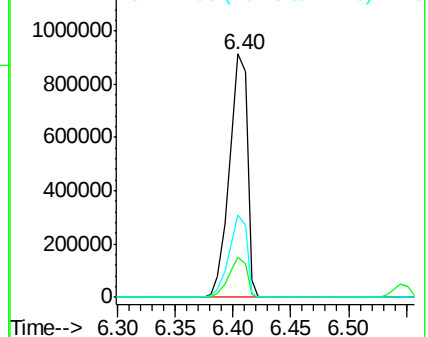
99 100

42 16.5 13.5 20.3

71 33.6 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: 2.34 ng

RT: 6.42 min Scan# 736

Delta R.T. -0.01 min

Lab File: BF097694.D

Acq: 15 Aug 2017 16:41

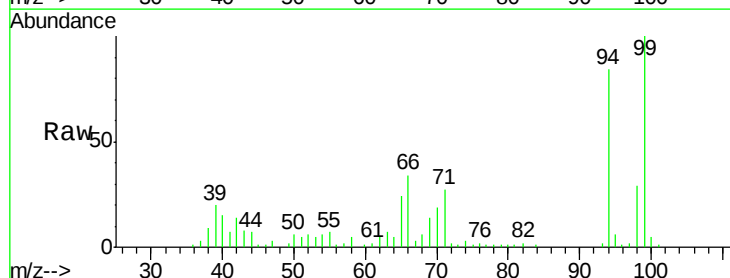
Tgt Ion: 94 Resp: 30007

Ion Ratio Lower Upper

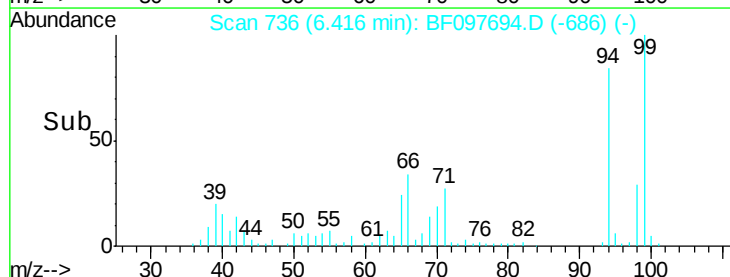
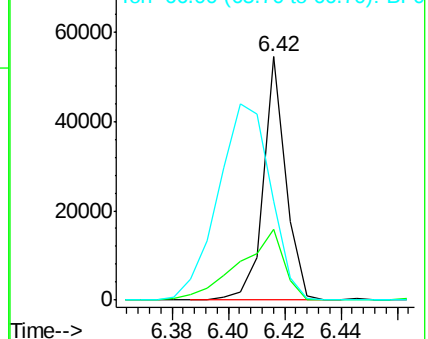
94 100

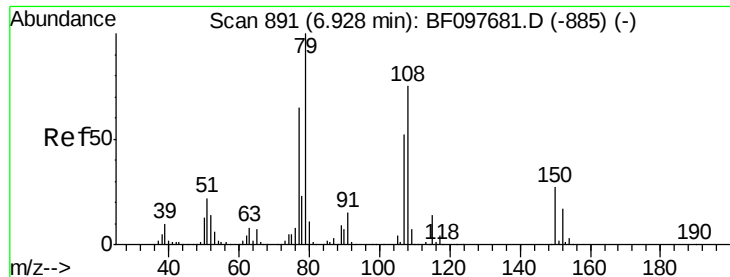
65 29.0 9.9 49.9

66 40.5 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





#15

Benzyl Alcohol

Concen: 188.08 ng

RT: 6.95 min Scan# 826

Delta R.T. 0.02 min

Lab File: BF097694.D

Acq: 15 Aug 2017 16:41

Instrument :

BNA_F

ClientSampleId :

DRUMS-COMP

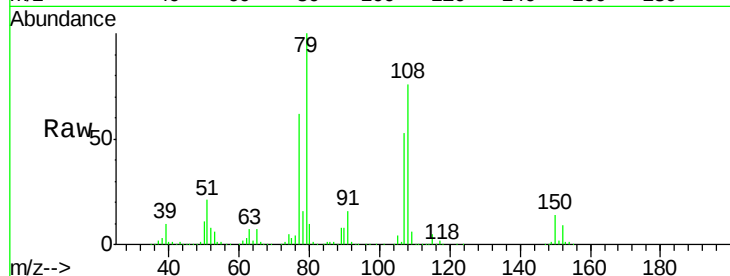
Tot Ion: 79 Resp: 1543040

Ion Ratio Lower Upper

79 100

108 76.0 63.4 95.0

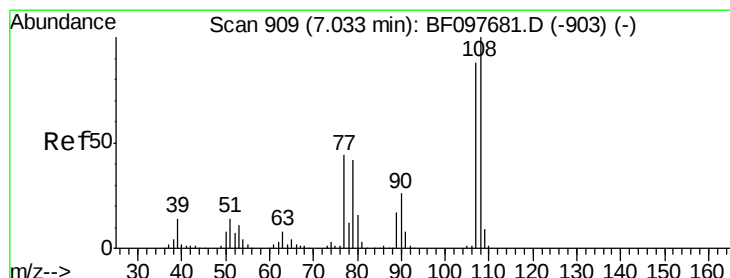
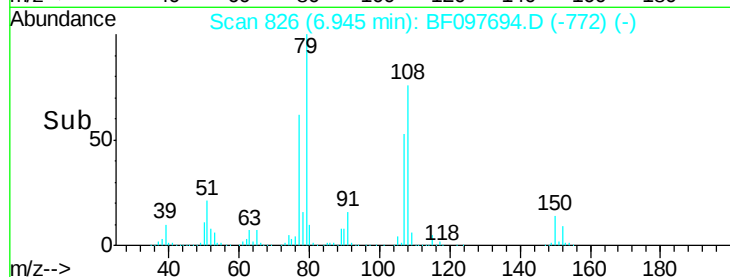
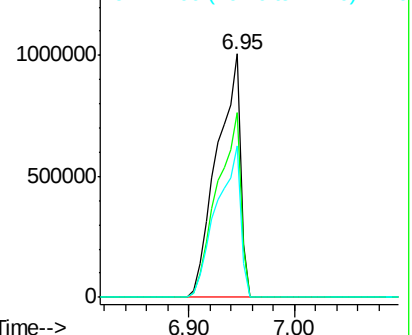
77 62.5 49.2 73.8



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



#17

2-Methylphenol

Concen: 108.51 ng

RT: 6.95 min Scan# 826

Delta R.T. -0.09 min

Lab File: BF097694.D

Acq: 15 Aug 2017 16:41

Tgt Ion: 107 Resp: 813311

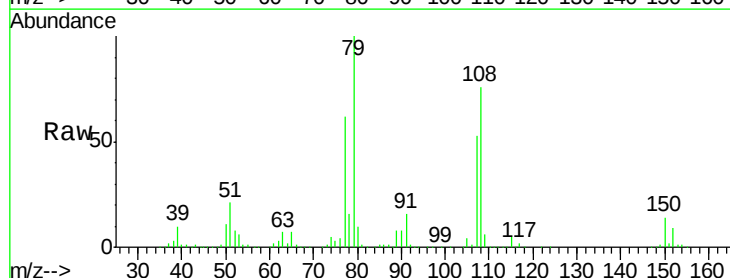
Ion Ratio Lower Upper

107 100

108 142.0 93.4 140.0#

77 116.8 35.8 53.6#

79 187.0 34.8 52.2#

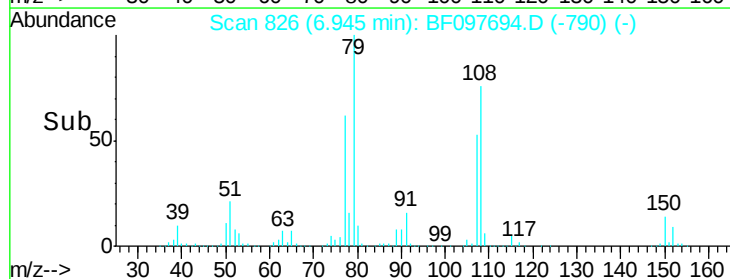
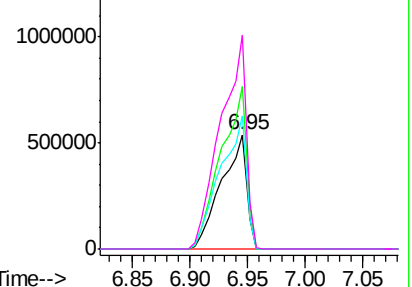


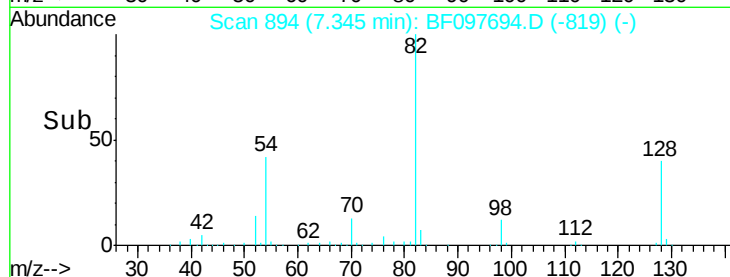
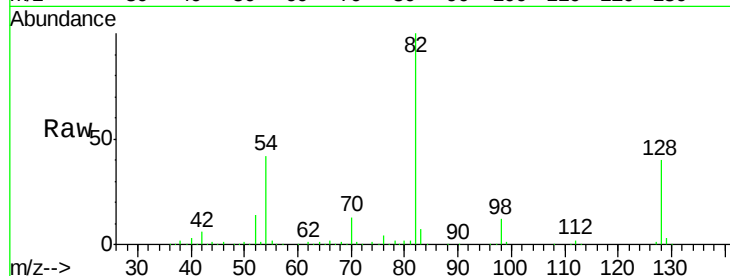
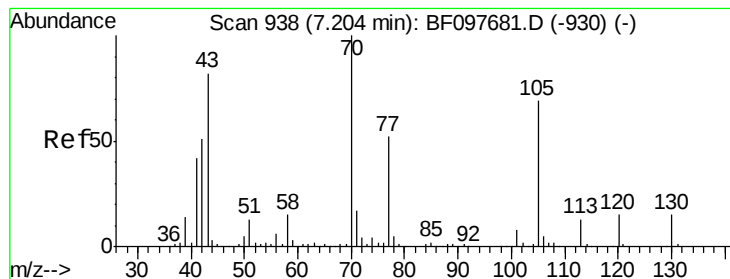
Abundance Ion 107.00 (106.70 to 107.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0





#19

n-Nitroso-di-n-propylamine

Concen: 10.89 ng

RT: 7.35 min Scan# 894

Delta R.T. 0.14 min

Lab File: BF097694.D

Acq: 15 Aug 2017 16:41

Instrument :

BNA_F

ClientSampleId :

DRUMS-COMP

Tot Ion: 70 Resp: 81718

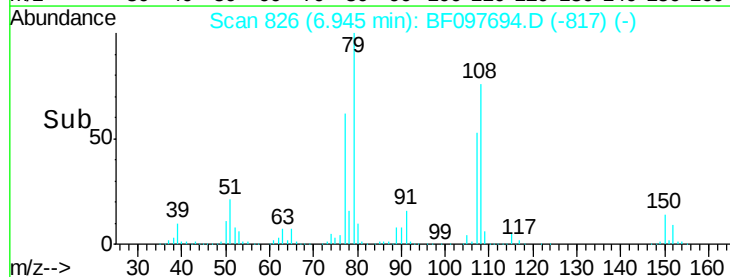
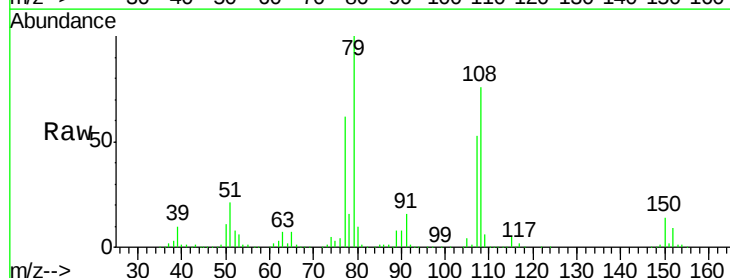
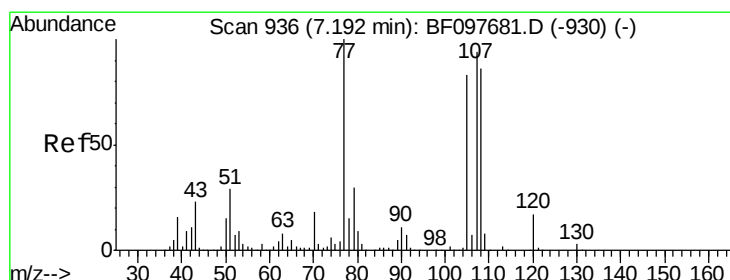
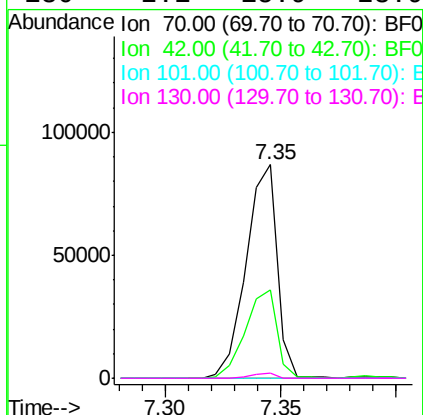
Ion Ratio Lower Upper

70 100

42 41.2 47.2 70.8#

101 0.0 7.2 10.8#

130 2.1 15.9 23.9#



#20

3+4-Methylphenols

Concen: 88.81 ng

RT: 6.95 min Scan# 826

Delta R.T. -0.25 min

Lab File: BF097694.D

Acq: 15 Aug 2017 16:41

Tgt Ion:107 Resp: 813021

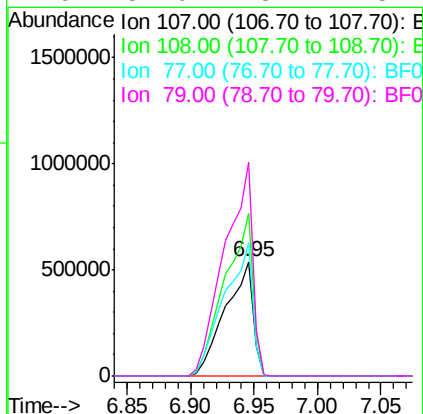
Ion Ratio Lower Upper

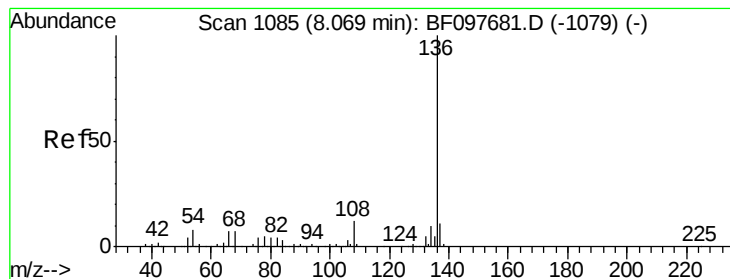
107 100

108 142.0 71.0 111.0#

77 116.8 90.5 130.5

79 187.0 8.4 48.4#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.06 min Scan# 1016

Delta R.T. -0.01 min

Lab File: BF097694.D

Acq: 15 Aug 2017 16:41

Instrument :

BNA_F

ClientSampleId :

DRUMS-COMP

Tot Ion:136 Resp: 498265

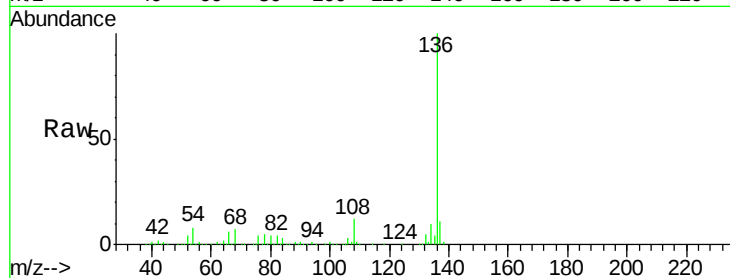
Ion Ratio Lower Upper

136 100

137 10.8 8.5 12.7

54 8.0 4.9 7.3#

68 7.4 4.1 6.1#

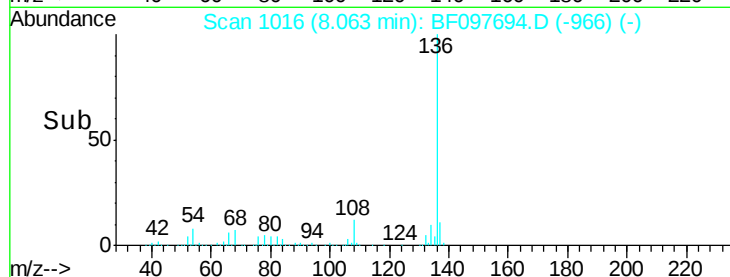


Abundance Ion 136.00 (135.70 to 136.70): E

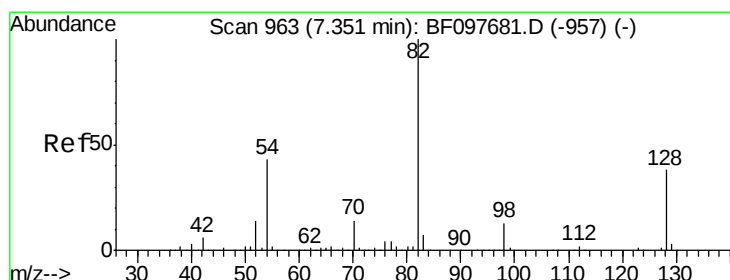
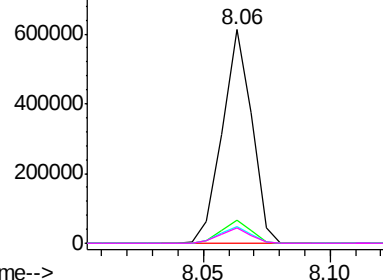
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#23

Nitrobenzene-d5

Concen: 64.92 ng

RT: 7.35 min Scan# 894

Delta R.T. -0.01 min

Lab File: BF097694.D

Acq: 15 Aug 2017 16:41

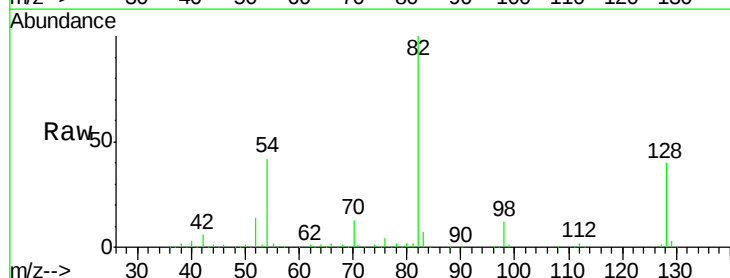
Tgt Ion: 82 Resp: 595469

Ion Ratio Lower Upper

82 100

128 39.8 34.0 51.0

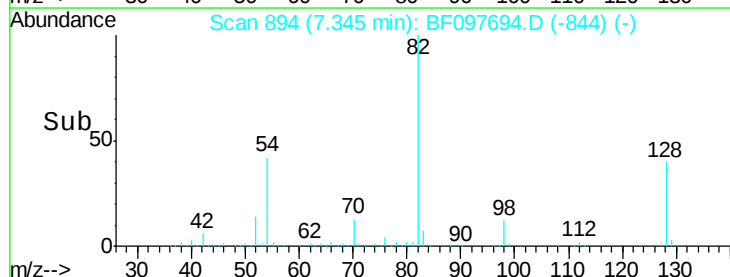
54 41.7 42.2 63.2#



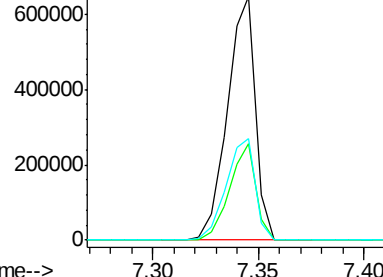
Abundance Ion 82.00 (81.70 to 82.70): BF0

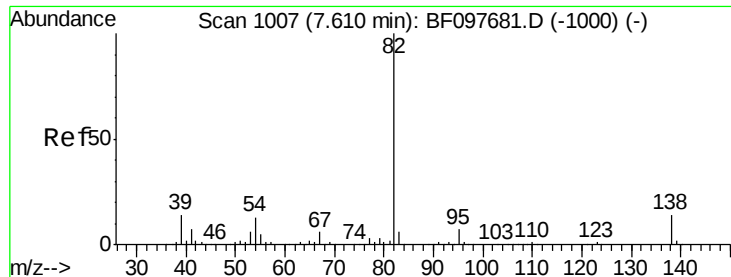
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



Time-->





#25

Isophorone

Concen: 31.21 ng

RT: 7.35 min Scan# 894

Delta R.T. -0.26 min

Lab File: BF097694.D

Acq: 15 Aug 2017 16:41

Instrument :

BNA_F

ClientSampleId :

DRUMS-COMP

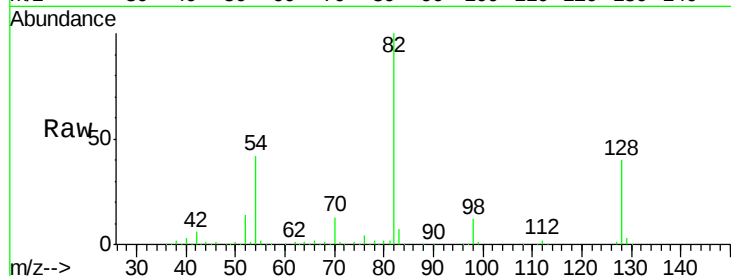
Tot Ion: 82 Resp: 595300

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

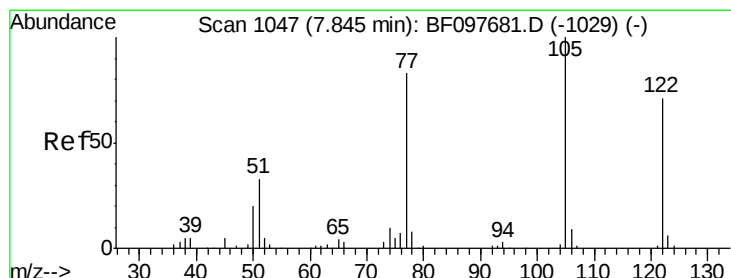
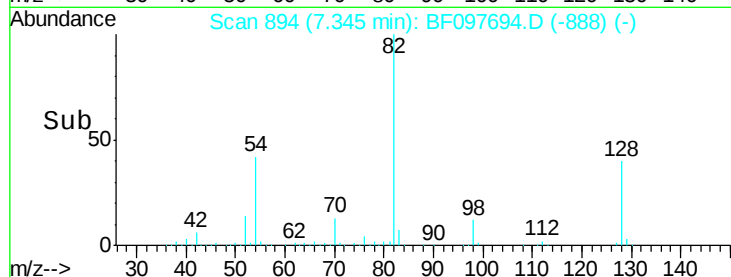
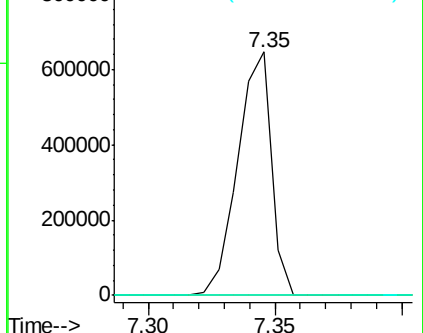
138 0.0 13.1 19.7#



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



#32

Benzoic acid

Concen: 6.44 ng

RT: 7.79 min Scan# 969

Delta R.T. -0.06 min

Lab File: BF097694.D

Acq: 15 Aug 2017 16:41

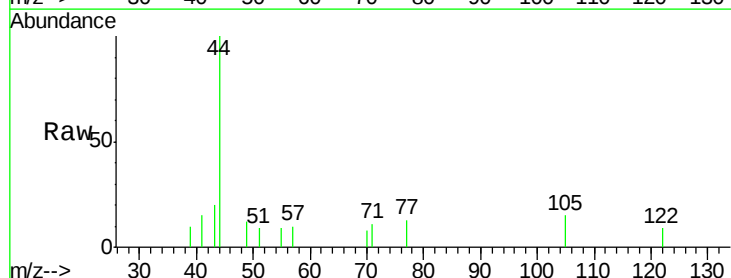
Tgt Ion: 122 Resp: 225

Ion Ratio Lower Upper

122 100

105 170.2 103.3 143.3#

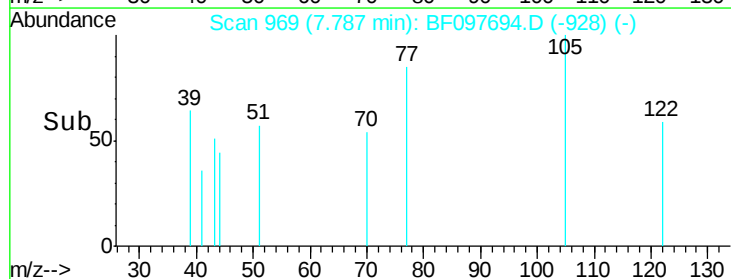
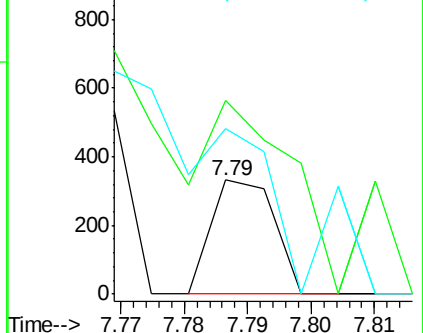
77 144.9 73.7 113.7#

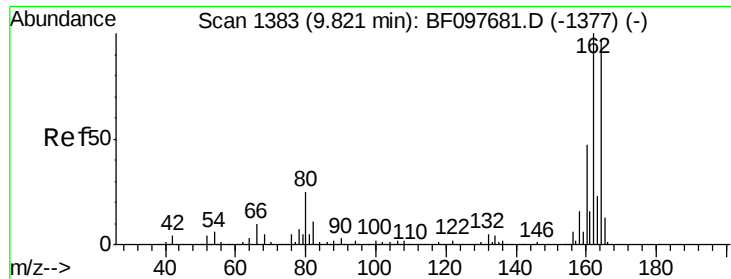


Abundance Ion 122.00 (121.70 to 122.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

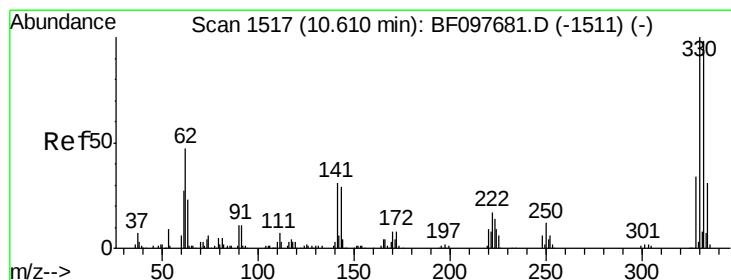
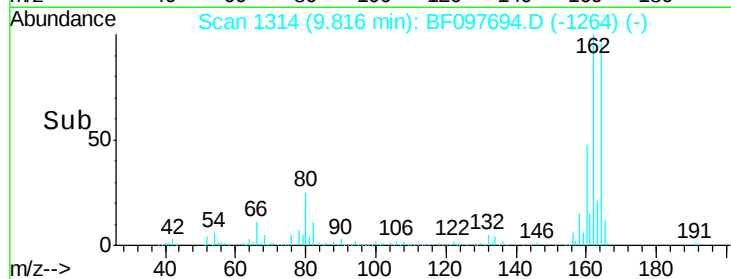
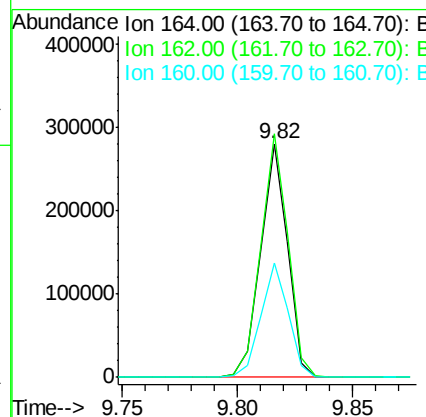
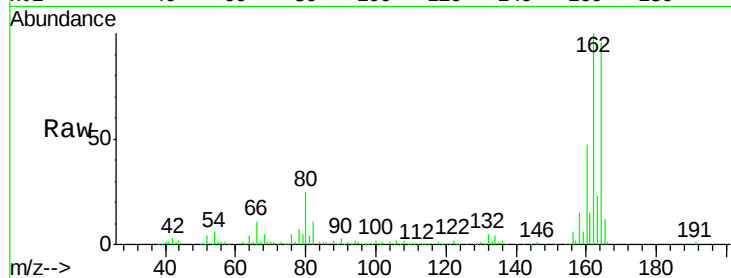




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.82 min Scan# 1314
 Delta R.T. -0.01 min
 Lab File: BF097694.D
 Acq: 15 Aug 2017 16:41

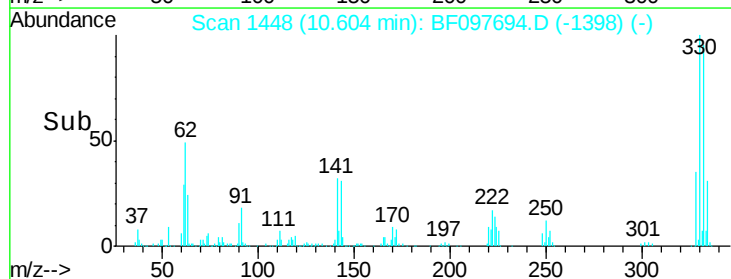
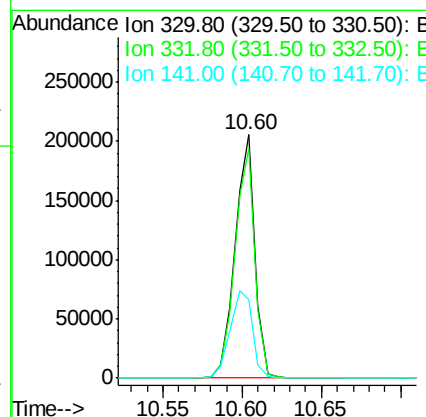
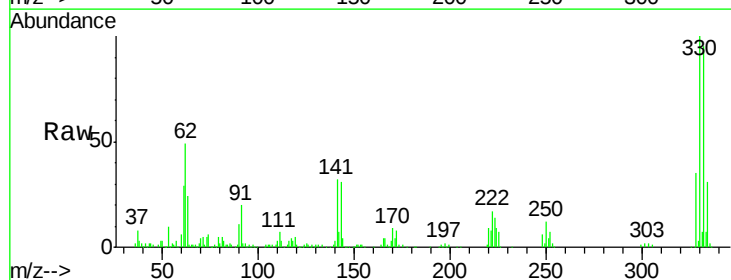
Instrument :
 BNA_F
 ClientSampleId :
 DRUMS-COMP

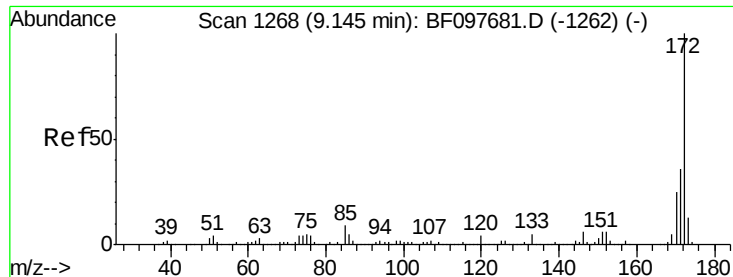
Tot Ion	Ratio	Lower	Upper
164	100		
162	104.1	82.6	123.8
160	48.9	36.2	54.2



#41
 2,4,6-Tribromophenol
 Concen: 89.66 ng
 RT: 10.60 min Scan# 1448
 Delta R.T. -0.01 min
 Lab File: BF097694.D
 Acq: 15 Aug 2017 16:41

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.0	76.6	115.0
141	40.7	31.4	47.2

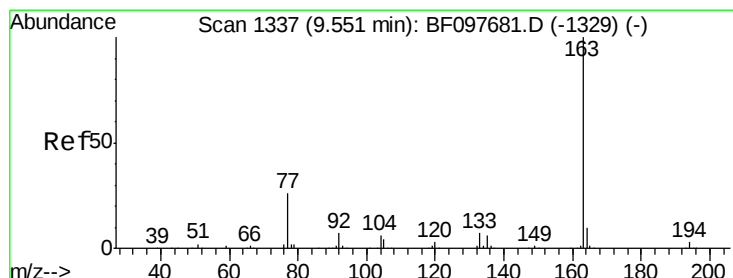
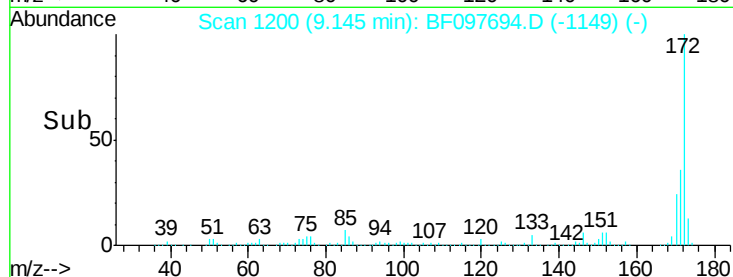
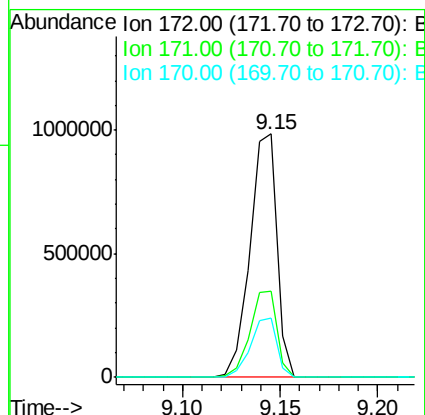
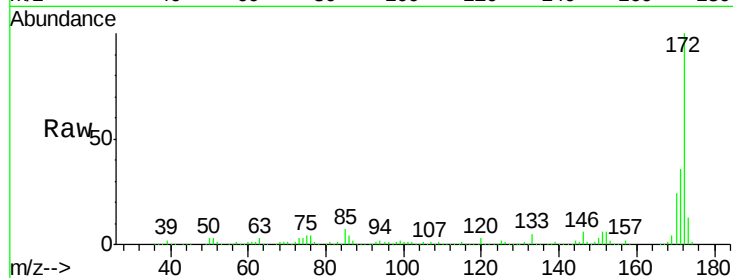




#44
2-Fluorobiphenyl
Concen: 60.50 ng
RT: 9.15 min Scan# 1200
Delta R.T. 0.00 min
Lab File: BF097694.D
Acq: 15 Aug 2017 16:41

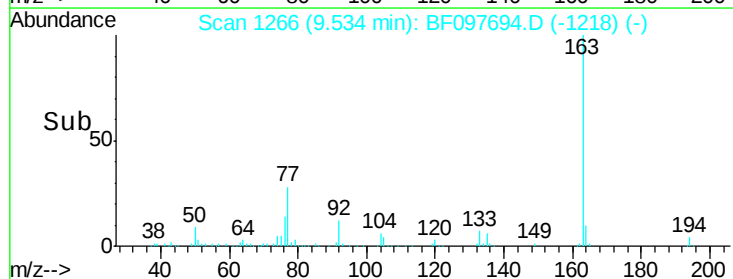
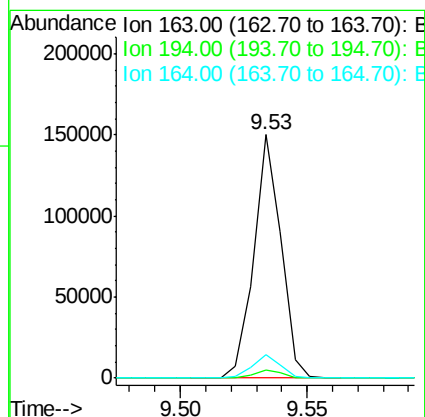
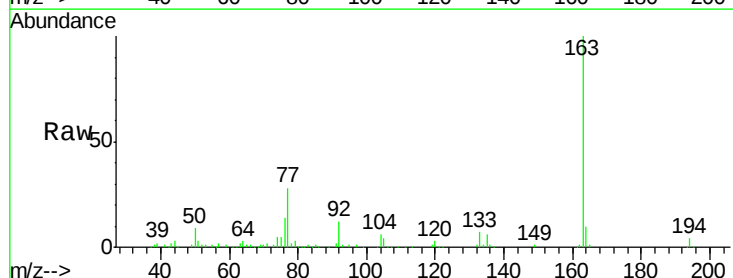
Instrument :
BNA_F
ClientSampleId :
DRUMS-COMP

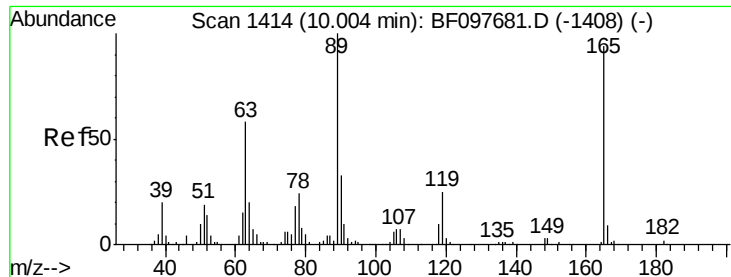
Tot Ion:172 Resp: 941129
Ion Ratio Lower Upper
172 100
171 35.5 29.6 44.4
170 24.1 19.8 29.8



#49
Dimethylphthalate
Concen: 6.69 ng
RT: 9.53 min Scan# 1266
Delta R.T. -0.02 min
Lab File: BF097694.D
Acq: 15 Aug 2017 16:41

Tgt Ion:163 Resp: 111824
Ion Ratio Lower Upper
163 100
194 3.6 2.6 4.0
164 9.7 8.4 12.6

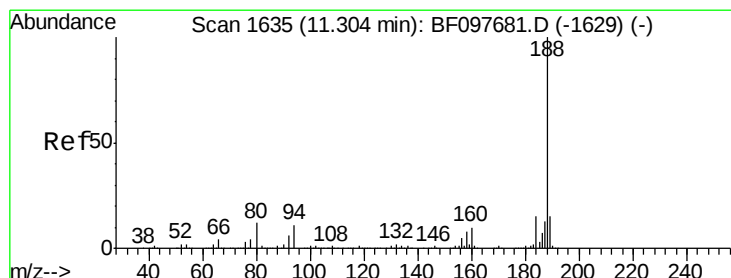
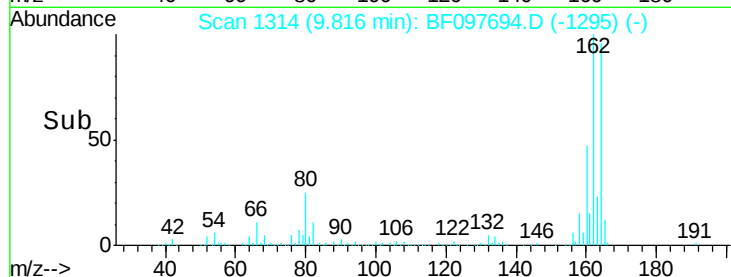
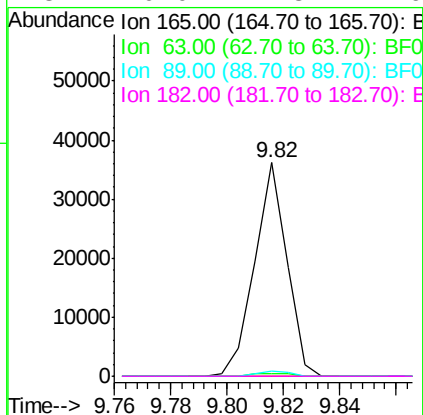
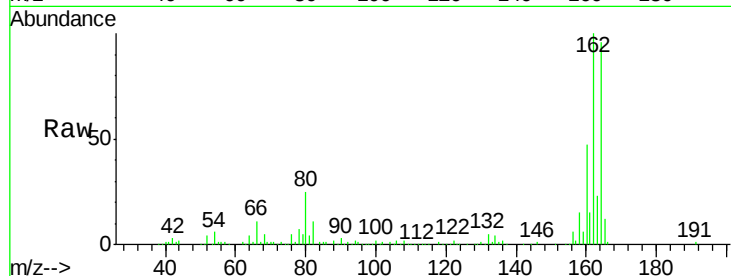




#56
 2,4-Dinitrotoluene
 Concen: 6.87 ng
 RT: 9.82 min Scan# 1314
 Delta R.T. -0.19 min
 Lab File: BF097694.D
 Acq: 15 Aug 2017 16:41

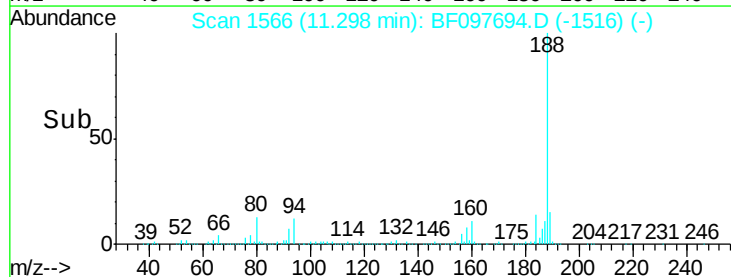
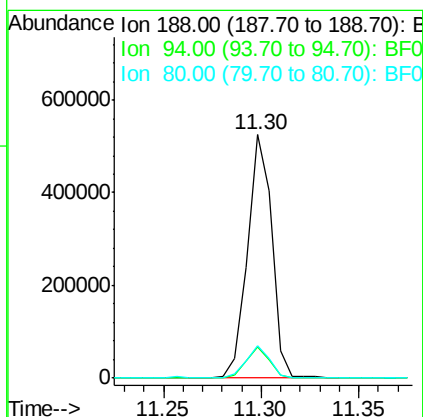
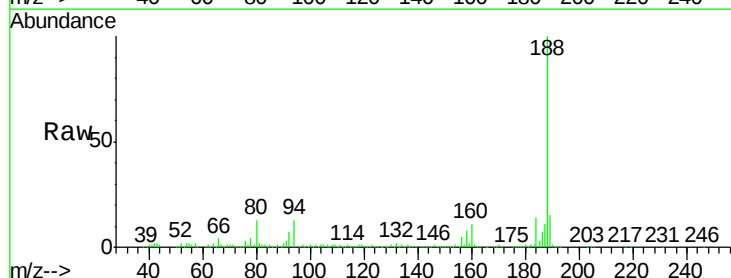
Instrument :
 BNA_F
 ClientSampleId :
 DRUMS-COMP

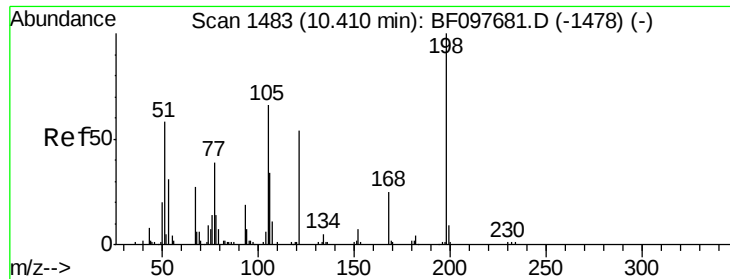
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.4	25.4	38.0#
89	2.5	46.4	69.6#
182	0.0	1.8	2.6#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.30 min Scan# 1566
 Delta R.T. -0.01 min
 Lab File: BF097694.D
 Acq: 15 Aug 2017 16:41

Tgt Ion	Ratio	Lower	Upper
188	100		
94	12.6	9.4	14.2
80	13.4	10.2	15.2

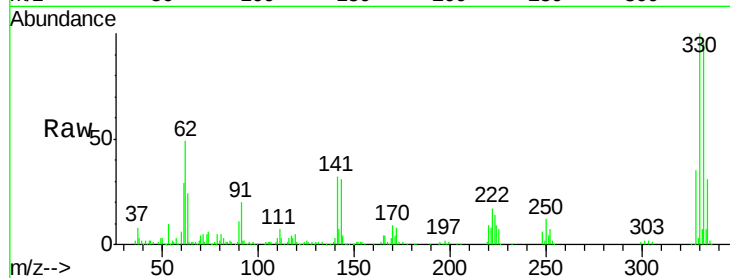




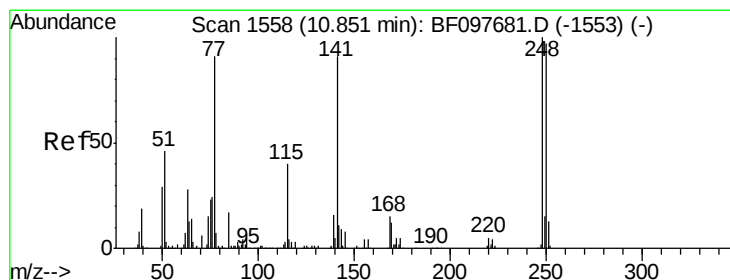
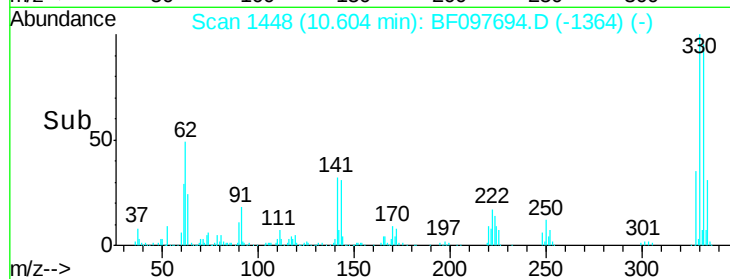
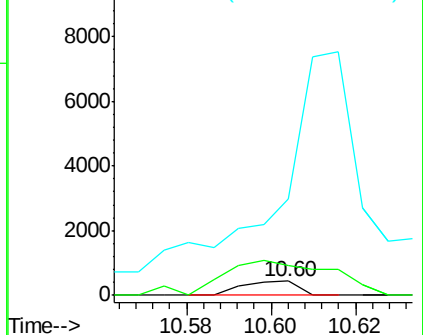
#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.48 ng
 RT: 10.60 min Scan# 1448
 Delta R.T. 0.20 min
 Lab File: BF097694.D
 Acq: 15 Aug 2017 16:41

Instrument :
 BNA_F
 ClientSampleId :
 DRUMS-COMP

Tot Ion:198 Resp: 405
 Ion Ratio Lower Upper
 198 100
 51 209.3 53.2 93.2#
 105 678.7 45.8 85.8#

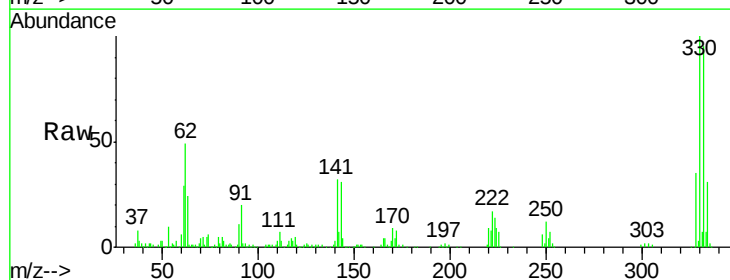


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF0
 Ion 105.00 (104.70 to 105.70): E

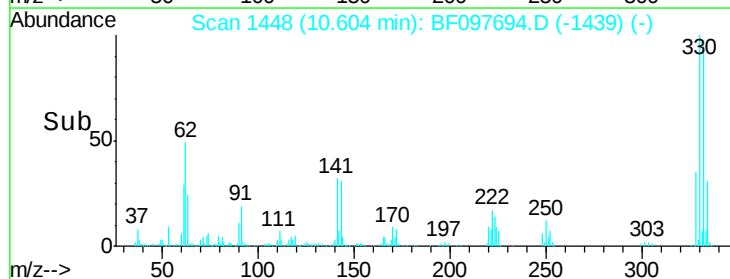
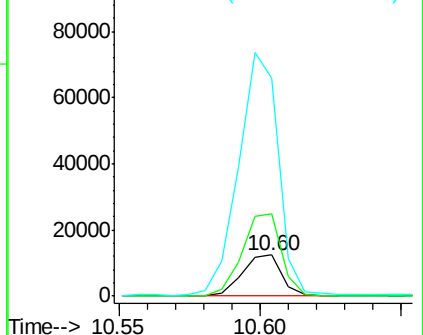


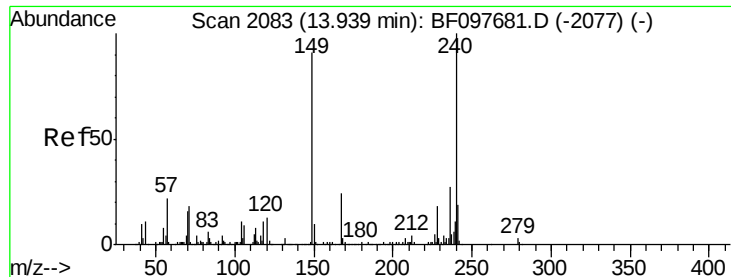
#66
 4-Bromophenyl-phenylether
 Concen: 2.53 ng
 RT: 10.60 min Scan# 1448
 Delta R.T. -0.25 min
 Lab File: BF097694.D
 Acq: 15 Aug 2017 16:41

Tgt Ion:248 Resp: 11963
 Ion Ratio Lower Upper
 248 100
 250 202.3 76.8 115.2#
 141 531.6 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: 13.95 min Scan# 2016

Delta R.T. 0.01 min

Lab File: BF097694.D

Acq: 15 Aug 2017 16:41

Instrument :

BNA_F

ClientSampleId :

DRUMS-COMP

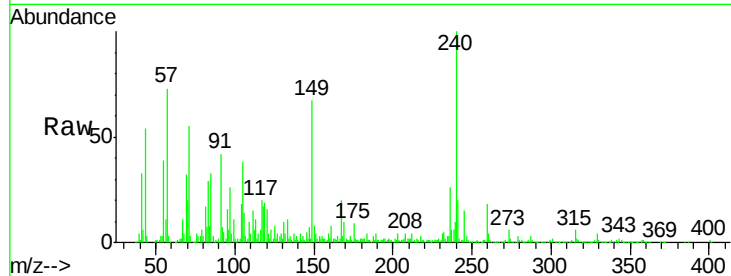
Tot Ion:240 Resp: 250687

Ion Ratio Lower Upper

240 100

120 16.5 5.8 8.8#

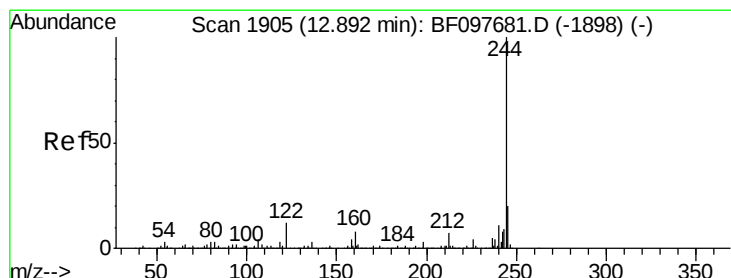
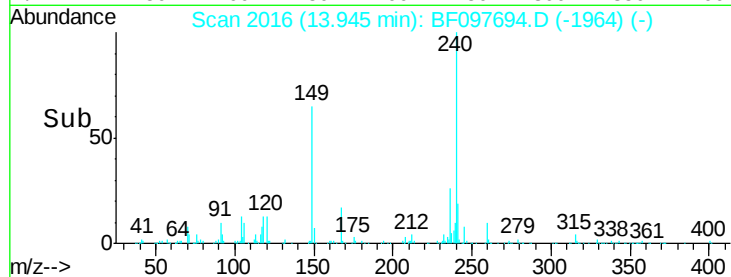
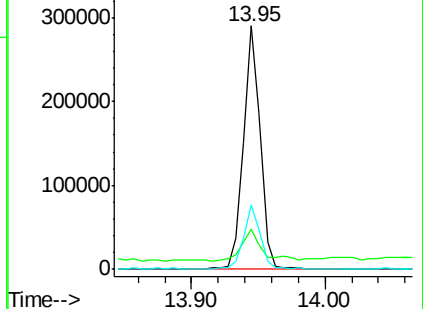
236 26.3 20.5 30.7



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: 55.76 ng

RT: 12.90 min Scan# 1838

Delta R.T. 0.01 min

Lab File: BF097694.D

Acq: 15 Aug 2017 16:41

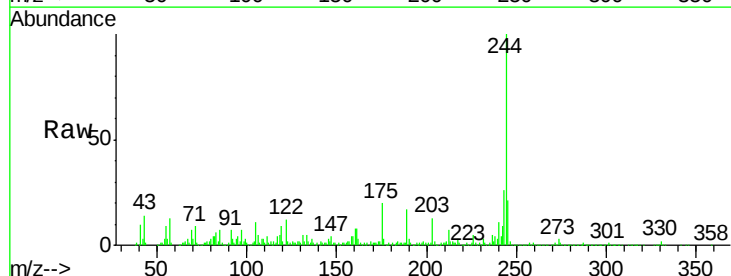
Tgt Ion:244 Resp: 670277

Ion Ratio Lower Upper

244 100

212 7.0 6.0 9.0

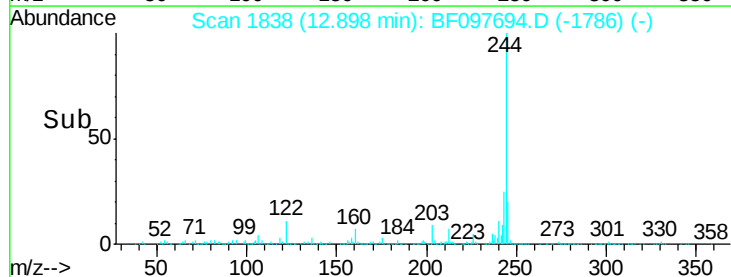
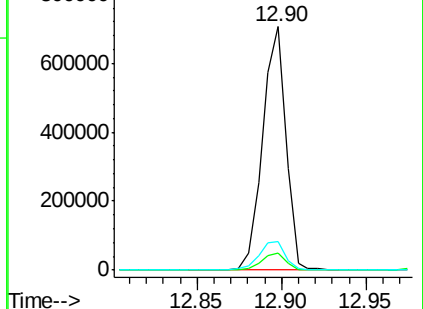
122 11.6 10.3 15.5

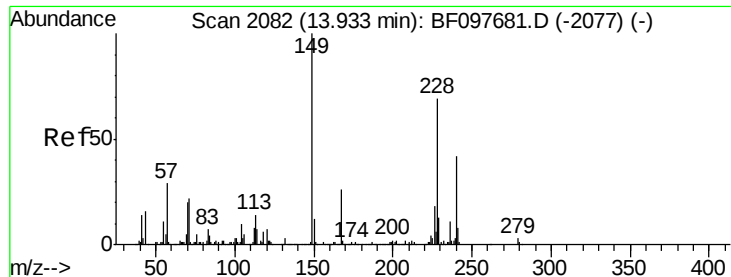


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

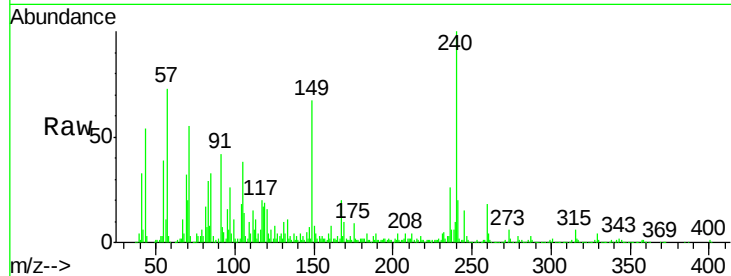




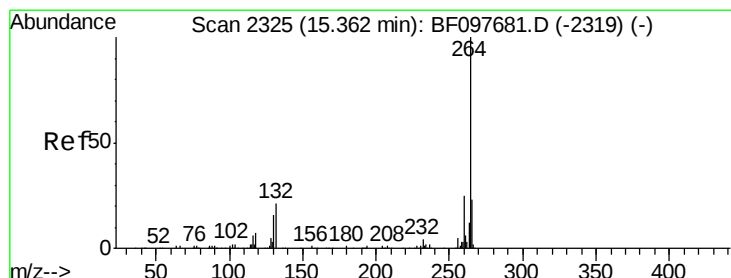
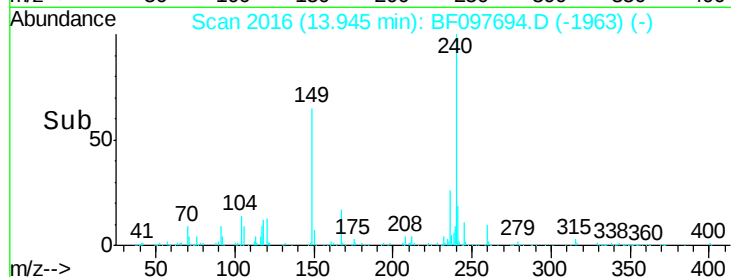
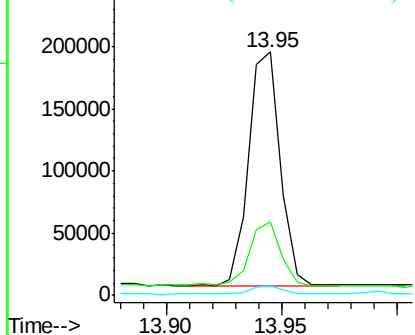
#83
Bis(2-ethylhexyl)phthalate
Concen: 20.77 ng
RT: 13.95 min Scan# 2016
Delta R.T. 0.01 min
Lab File: BF097694.D
Acq: 15 Aug 2017 16:41

Instrument :
BNA_F
ClientSampleId :
DRUMS-COMP

Tot Ion:149 Resp: 180956
Ion Ratio Lower Upper
149 100
167 30.2 21.0 31.4
279 4.1 1.9 2.9#

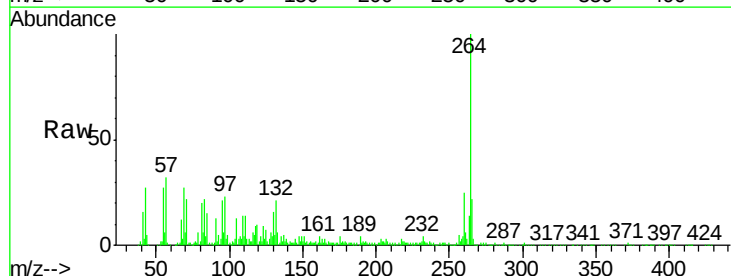


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.38 min Scan# 2260
Delta R.T. 0.02 min
Lab File: BF097694.D
Acq: 15 Aug 2017 16:41

Tgt Ion:264 Resp: 244519
Ion Ratio Lower Upper
264 100
260 25.2 19.5 29.3
265 22.3 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

