

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081517\
 Data File : BF097691.D
 Acq On : 15 Aug 2017 15:17
 Operator : SJ/JU
 Sample : PB101481BL
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB101481BL

Quant Time: Aug 16 03:50:29 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

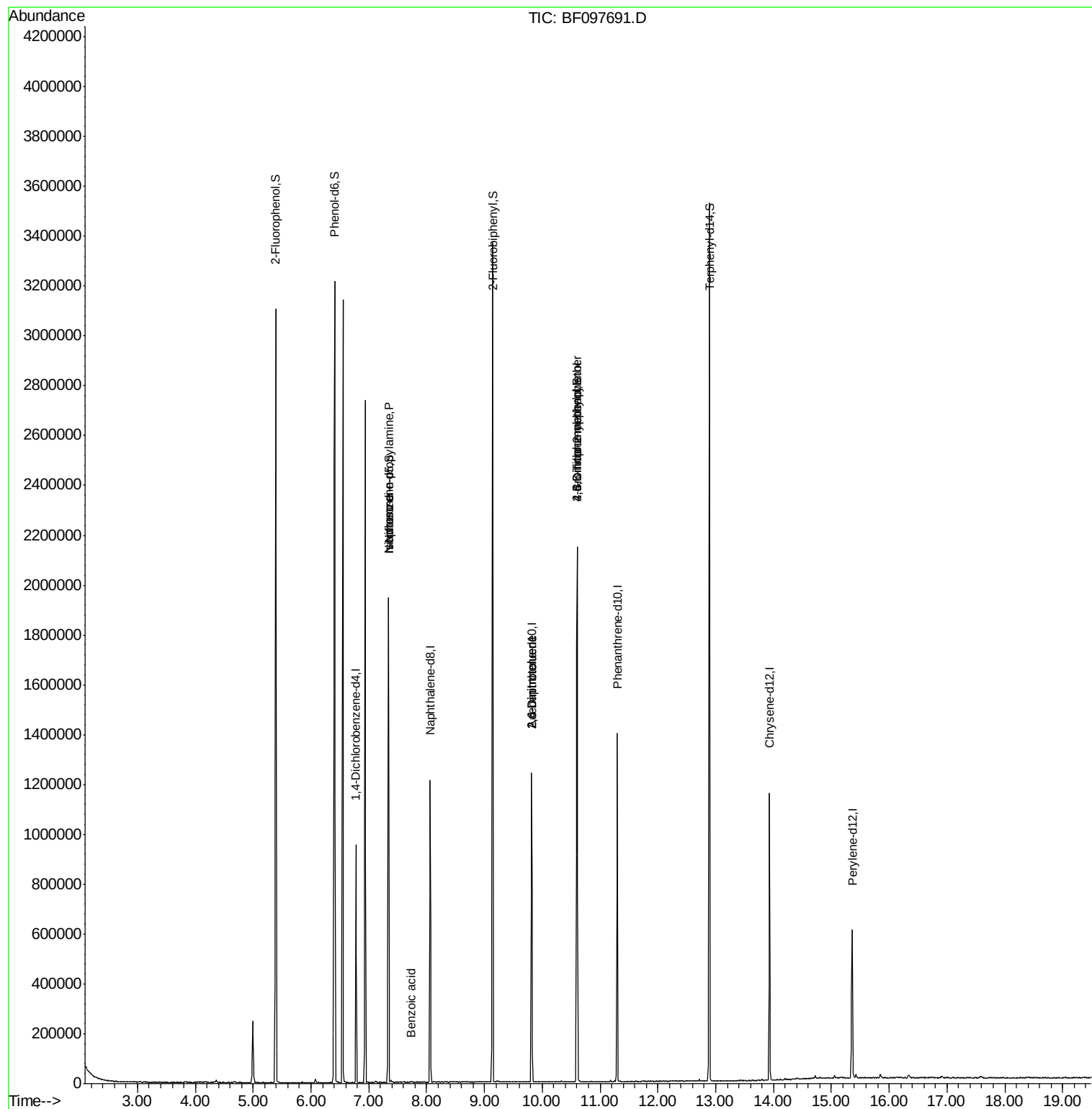
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	118209	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	482781	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	220296	20.00	ng	0.00
63) Phenanthrene-d10	11.30	188	449016	20.00	ng	0.00
75) Chrysene-d12	13.93	240	378435	20.00	ng	0.00
86) Perylene-d12	15.36	264	264966	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	932339	119.97	ng	0.00
7) Phenol-d6	6.41	99	1219720	115.51	ng	0.00
23) Nitrobenzene-d5	7.35	82	754088	84.85	ng	0.00
41) 2,4,6-Tribromophenol	10.60	330	245086	128.22	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	1147327	76.52	ng	0.00
78) Terphenyl-d14	12.89	244	1128658	62.19	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.35	70	102170	14.13	ng	# 71
25) Isophorone	7.35	82	753506	40.78	ng	# 67
32) Benzoic acid	7.73	122	144	6.43	ng	# 62
50) 2,6-Dinitrotoluene	9.82	165	27045	8.41	ng	# 34
56) 2,4-Dinitrotoluene	9.82	165	27045	6.70	ng	# 34
64) 4,6-Dinitro-2-methylphenol	10.60	198	613	8.56	ng	# 1
66) 4-Bromophenyl-phenylether	10.60	248	16501	3.54	ng	# 1

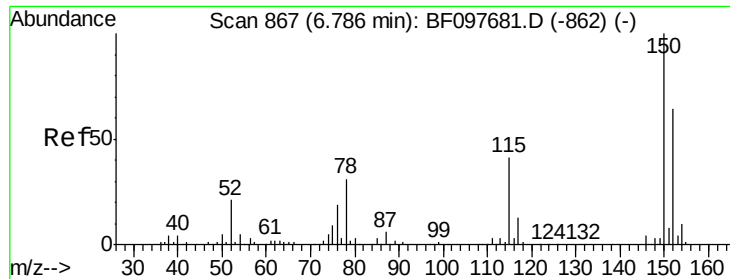
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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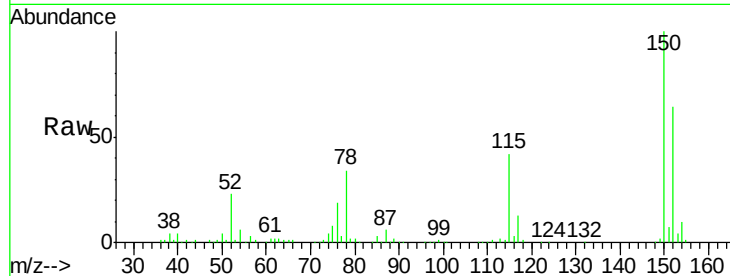


#1

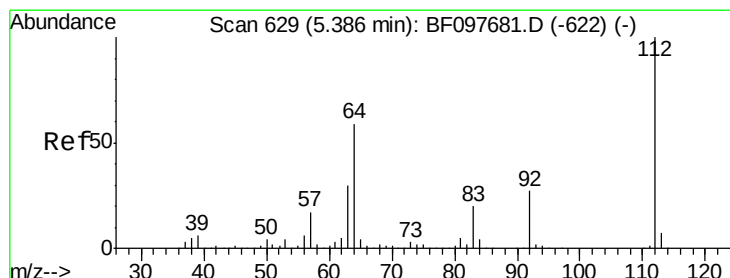
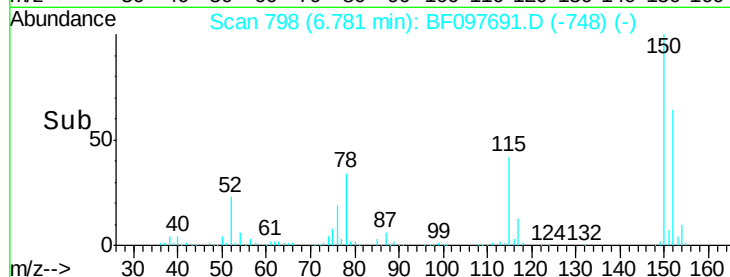
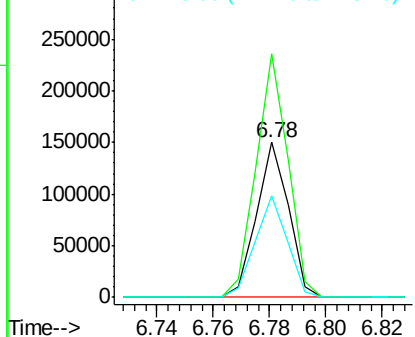
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.78 min Scan# 798
Delta R.T. -0.01 min
Lab File: BF097691.D
Acq: 15 Aug 2017 15:17

Instrument :
BNA_F
ClientSampleId :
PB101481BL

Tot Ion:152 Resp: 118209
Ion Ratio Lower Upper
152 100
150 157.4 126.2 189.2
115 65.9 52.2 78.2



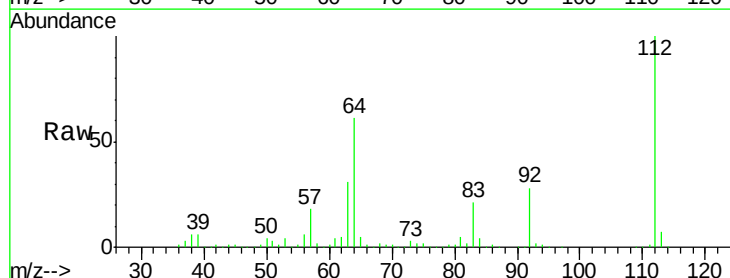
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



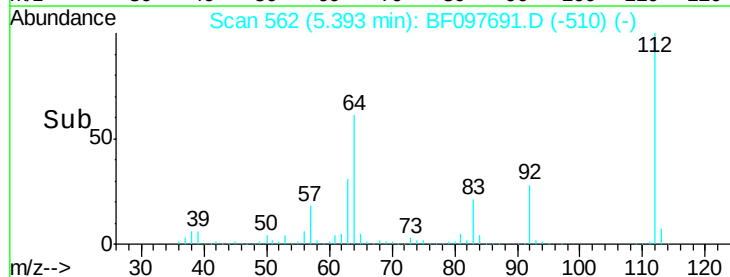
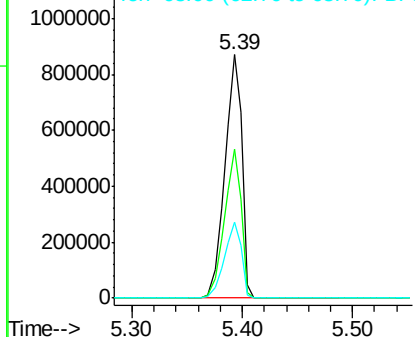
#5

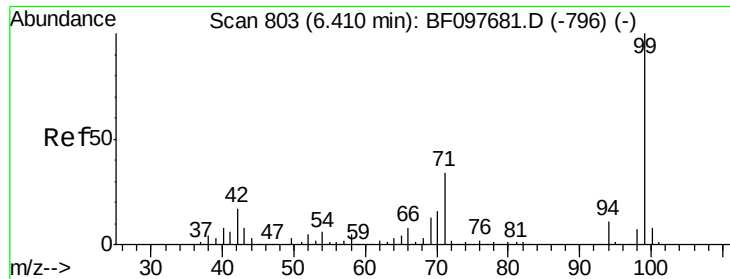
2-Fluorophenol
Concen: 119.97 ng
RT: 5.39 min Scan# 562
Delta R.T. 0.01 min
Lab File: BF097691.D
Acq: 15 Aug 2017 15:17

Tgt Ion:112 Resp: 932339
Ion Ratio Lower Upper
112 100
64 60.9 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: 115.51 ng

RT: 6.41 min Scan# 735

Delta R.T. 0.00 min

Lab File: BF097691.D

Acq: 15 Aug 2017 15:17

Instrument :

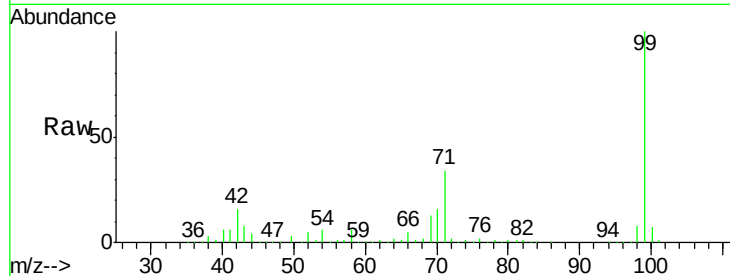
BNA_F

ClientSampleID :

PB101481BL

Tot Ion: 99 Resp: 1219720

Ion	Ratio	Lower	Upper
99	100		
42	16.0	13.5	20.3
71	33.7	24.5	36.7

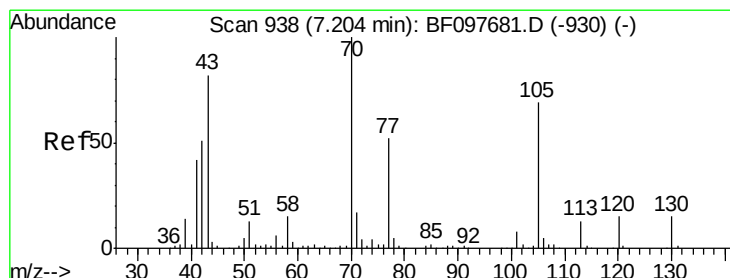
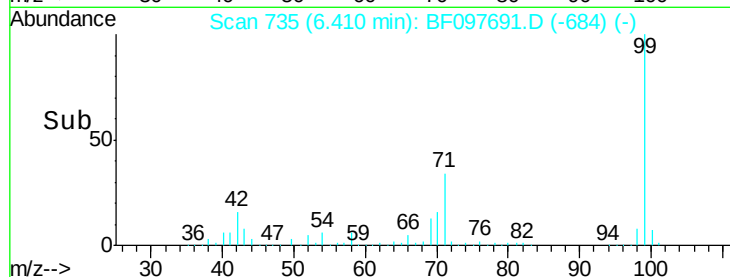
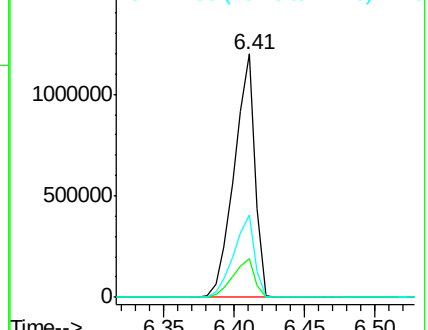


Abundance

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



#19

n-Nitroso-di-n-propylamine

Concen: 14.13 ng

RT: 7.35 min Scan# 894

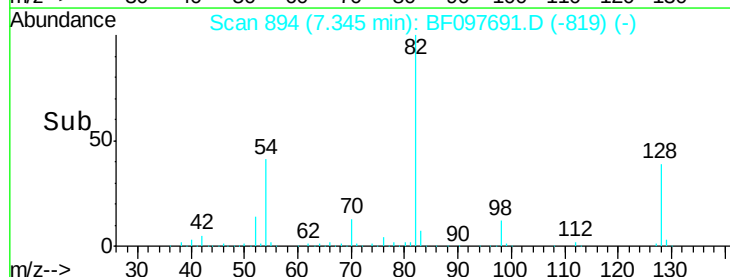
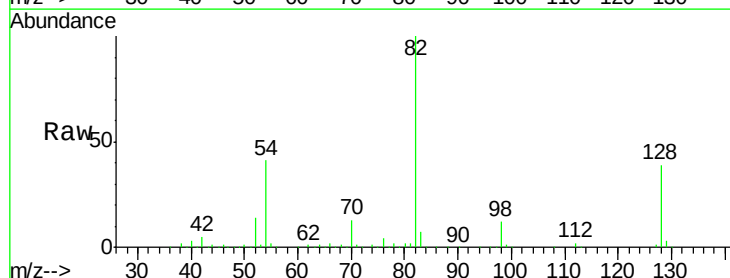
Delta R.T. 0.14 min

Lab File: BF097691.D

Acq: 15 Aug 2017 15:17

Tgt Ion: 70 Resp: 102170

Ion	Ratio	Lower	Upper
70	100		
42	39.5	47.2	70.8#
101	0.0	7.2	10.8#
130	1.8	15.9	23.9#



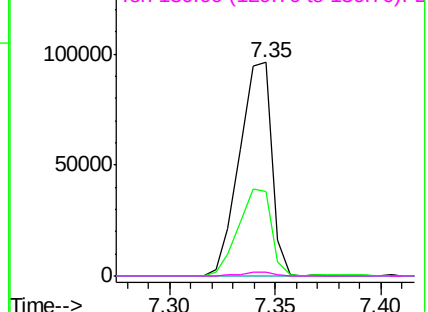
Abundance

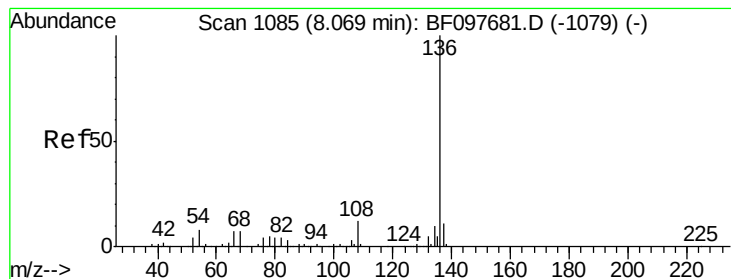
Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.06 min Scan# 1016

Delta R.T. -0.01 min

Lab File: BF097691.D

Acq: 15 Aug 2017 15:17

Instrument :

BNA_F

ClientSampleId :

PB101481BL

Tot Ion:136 Resp: 482781

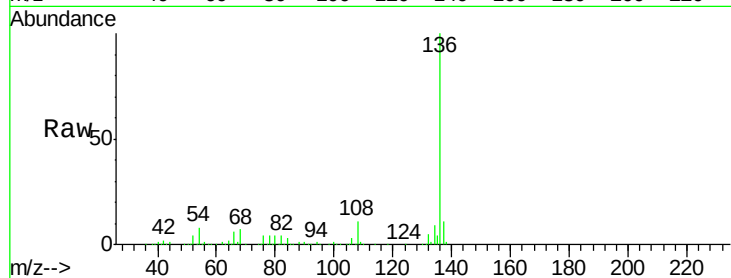
Ion Ratio Lower Upper

136 100

137 10.9 8.5 12.7

54 7.5 4.9 7.3#

68 7.1 4.1 6.1#

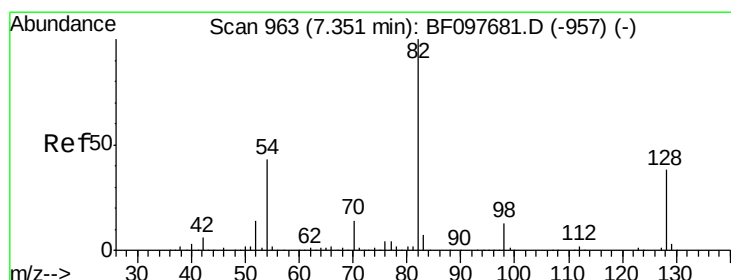
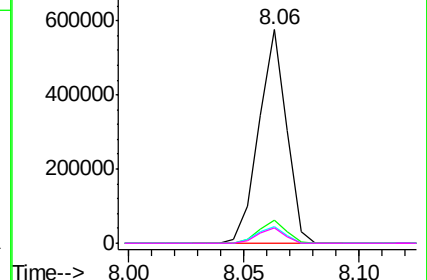
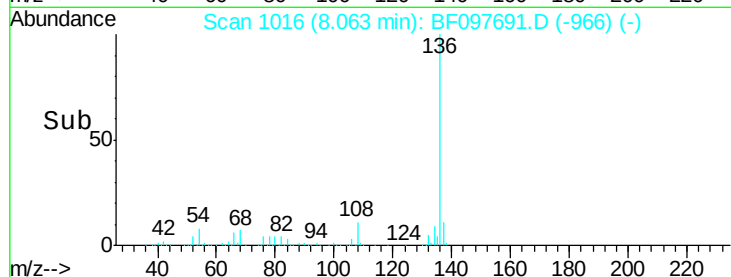


Abundance Ion 136.00 (135.70 to 136.70): E

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: 84.85 ng

RT: 7.35 min Scan# 894

Delta R.T. -0.01 min

Lab File: BF097691.D

Acq: 15 Aug 2017 15:17

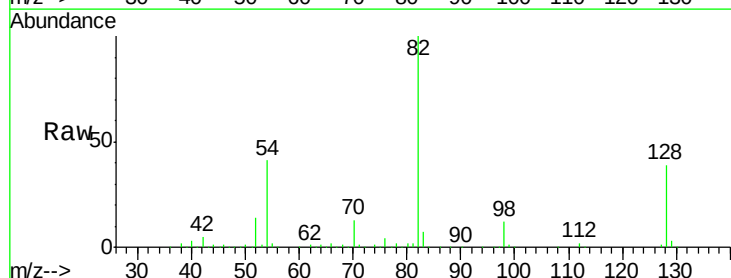
Tgt Ion: 82 Resp: 754088

Ion Ratio Lower Upper

82 100

128 39.1 34.0 51.0

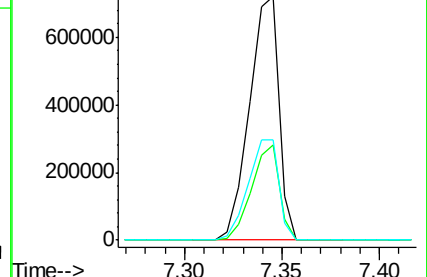
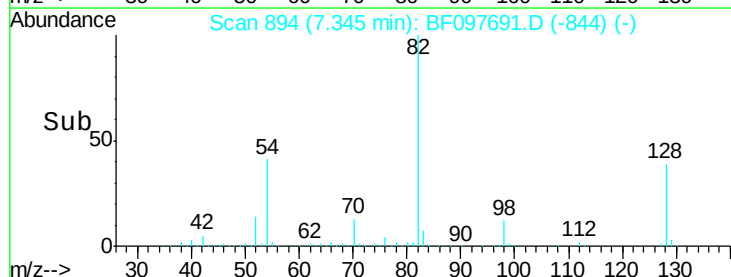
54 41.3 42.2 63.2#

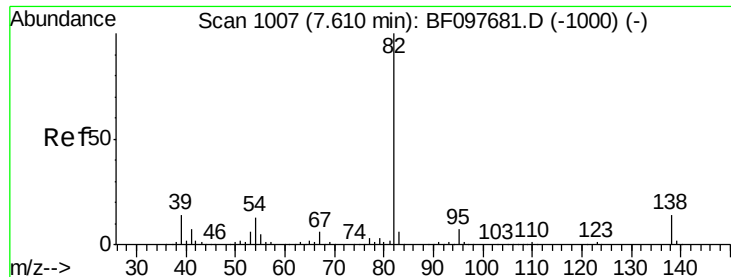


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 40.78 ng

RT: 7.35 min Scan# 894

Delta R.T. -0.26 min

Lab File: BF097691.D

Acq: 15 Aug 2017 15:17

Instrument :

BNA_F

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PB101481BL

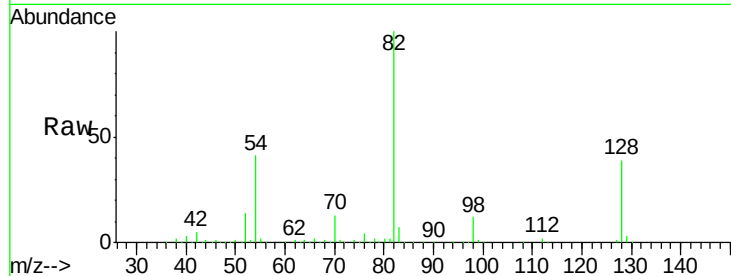
Tot Ion: 82 Resp: 753506

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

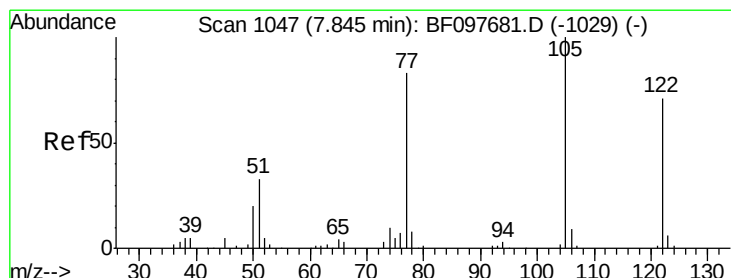
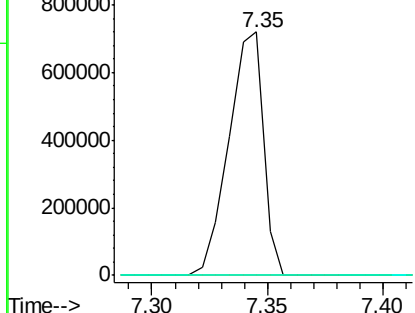
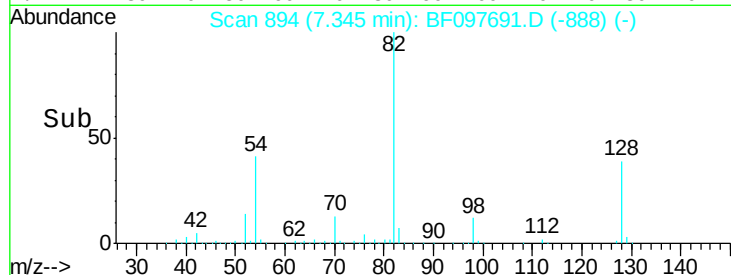
138 0.0 13.1 19.7#



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: 6.43 ng

RT: 7.73 min Scan# 959

Delta R.T. -0.12 min

Lab File: BF097691.D

Acq: 15 Aug 2017 15:17

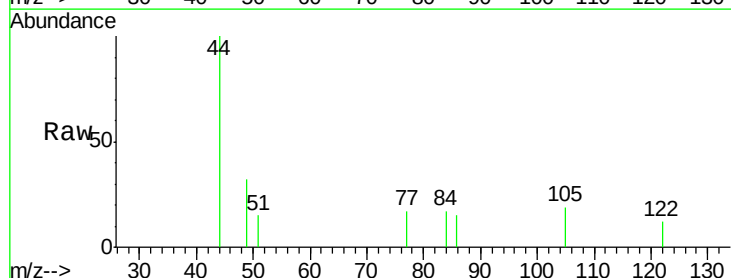
Tgt Ion: 122 Resp: 144

Ion Ratio Lower Upper

122 100

105 153.9 103.3 143.3#

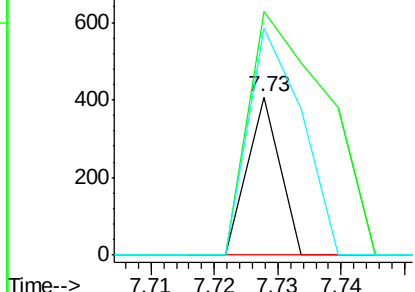
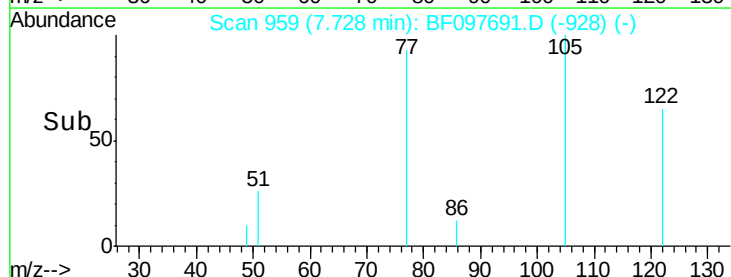
77 143.4 73.7 113.7#

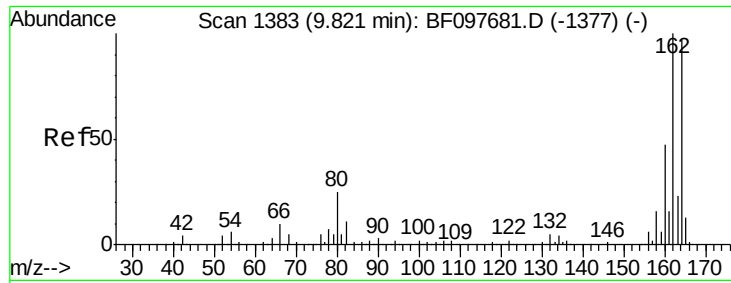


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

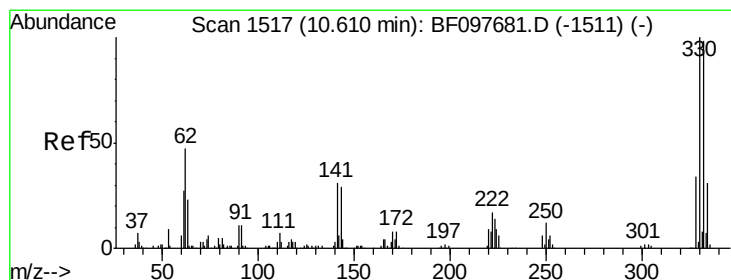
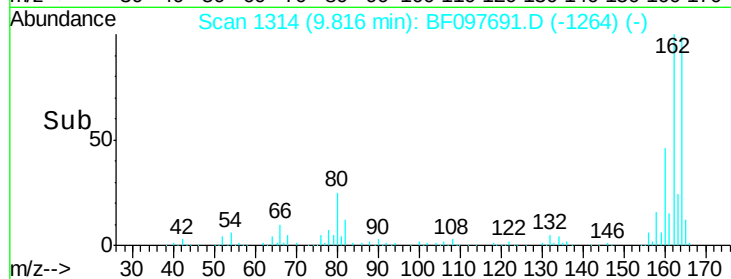
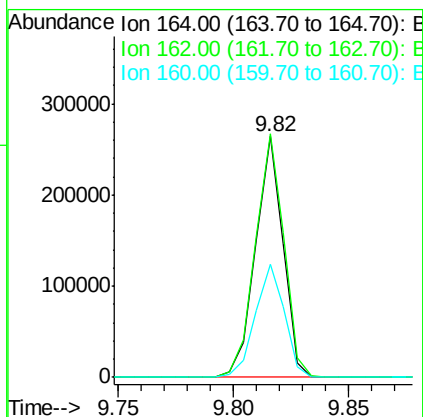
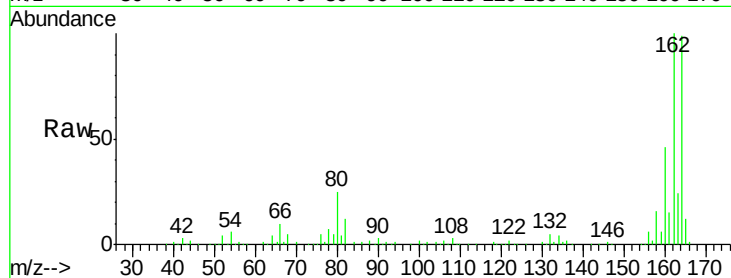




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.82 min Scan# 1314
 Delta R.T. -0.01 min
 Lab File: BF097691.D
 Acq: 15 Aug 2017 15:17

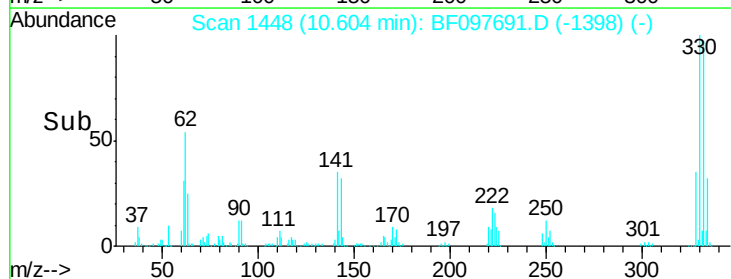
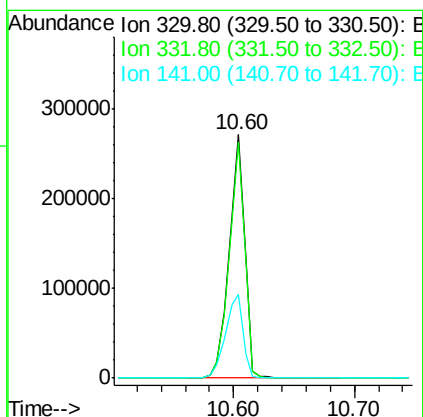
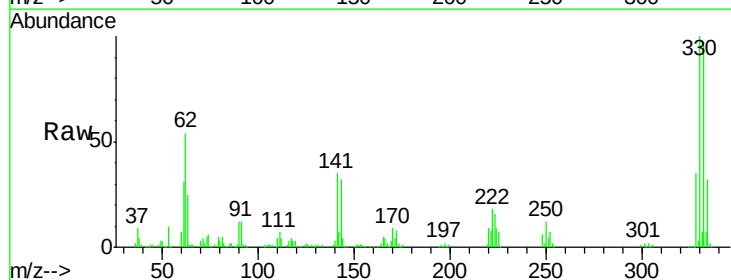
Instrument :
 BNA_F
 ClientSampleId :
 PB101481BL

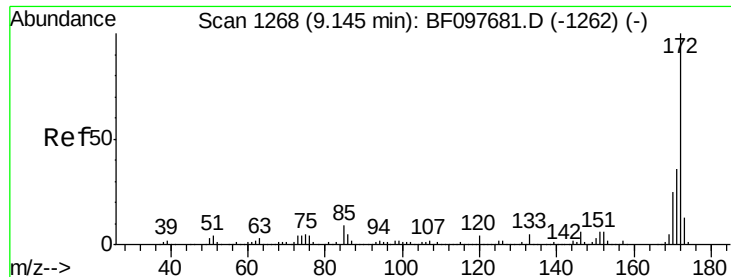
Tot Ion:164 Resp: 220296
 Ion Ratio Lower Upper
 164 100
 162 101.2 82.6 123.8
 160 46.9 36.2 54.2



#41
 2,4,6-Tribromophenol
 Concen: 128.22 ng
 RT: 10.60 min Scan# 1448
 Delta R.T. -0.01 min
 Lab File: BF097691.D
 Acq: 15 Aug 2017 15:17

Tgt Ion:330 Resp: 245086
 Ion Ratio Lower Upper
 330 100
 332 96.8 76.6 115.0
 141 38.6 31.4 47.2



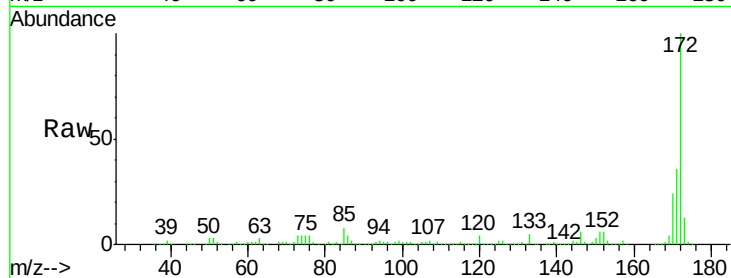


#44
 2-Fluorobiphenyl
 Concen: 76.52 ng
 RT: 9.15 min Scan# 1200
 Delta R.T. 0.00 min
 Lab File: BF097691.D
 Acq: 15 Aug 2017 15:17

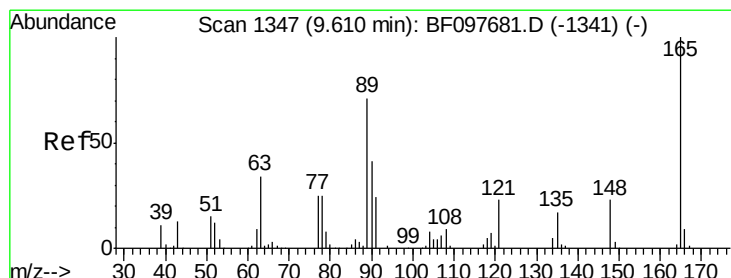
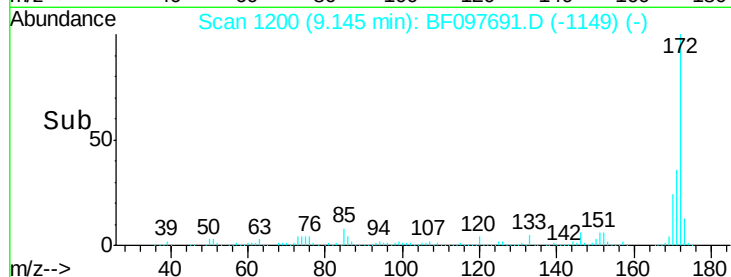
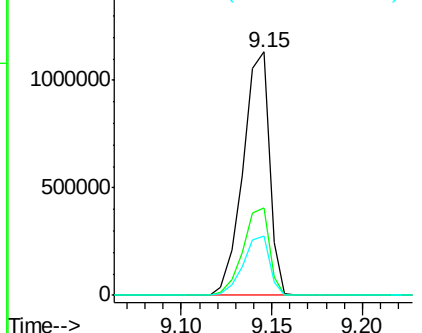
Instrument :
 BNA_F
 ClientSampleId :
 PB101481BL

Tot Ion:172 Resp: 1147327

Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.6	44.4
170	24.5	19.8	29.8



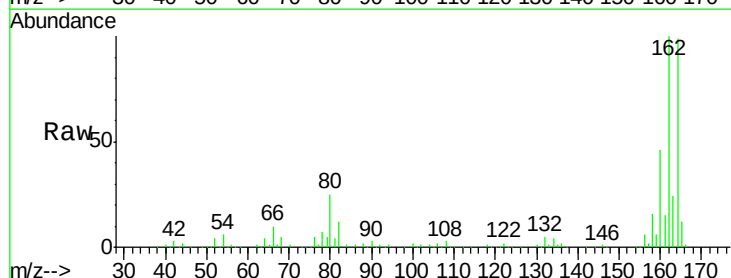
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



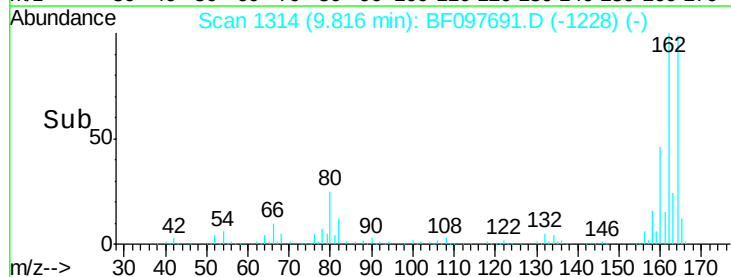
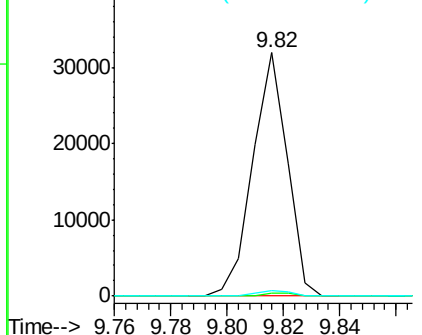
#50
 2,6-Dinitrotoluene
 Concen: 8.41 ng
 RT: 9.82 min Scan# 1314
 Delta R.T. 0.21 min
 Lab File: BF097691.D
 Acq: 15 Aug 2017 15:17

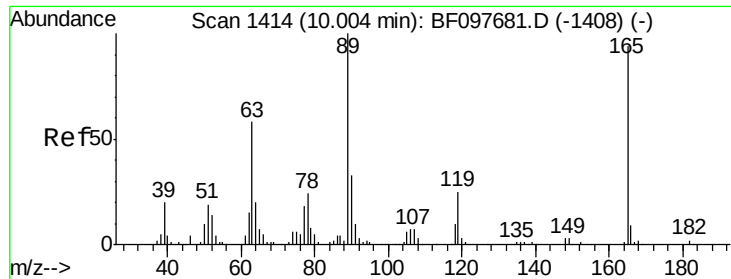
Tgt Ion:165 Resp: 27045

Ion	Ratio	Lower	Upper
165	100		
63	1.5	34.3	51.5#
89	2.3	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

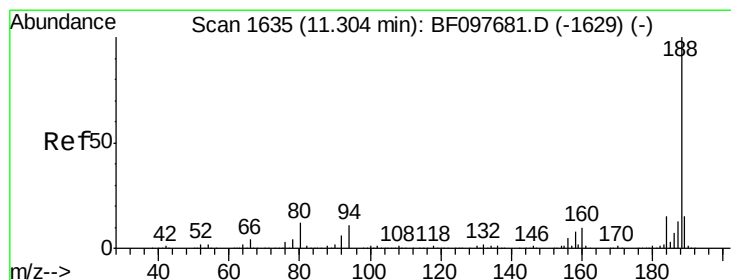
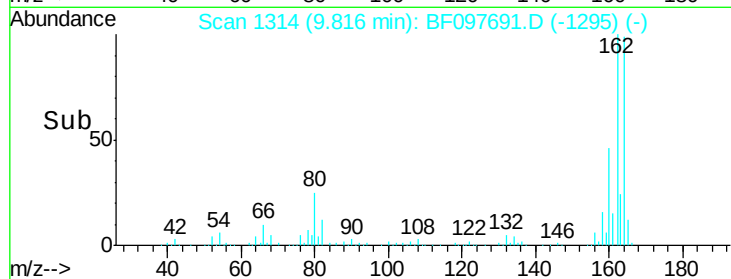
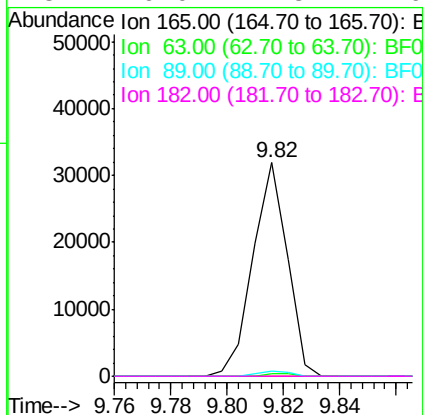
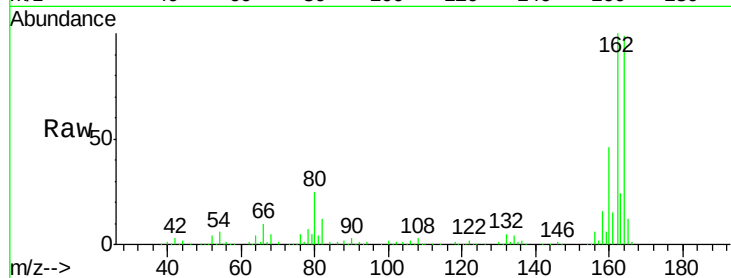




#56
 2,4-Dinitrotoluene
 Concen: 6.70 ng
 RT: 9.82 min Scan# 1314
 Delta R.T. -0.19 min
 Lab File: BF097691.D
 Acq: 15 Aug 2017 15:17

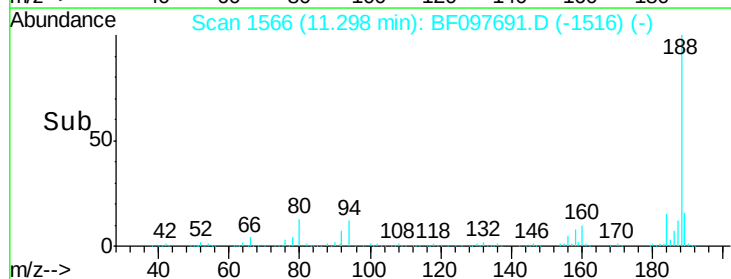
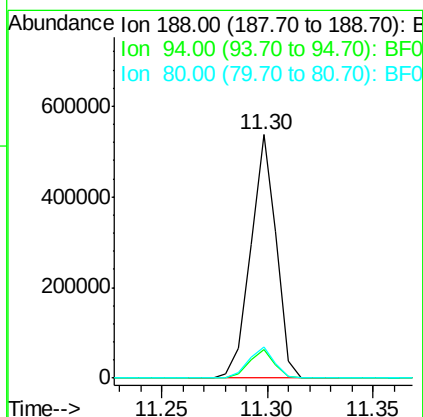
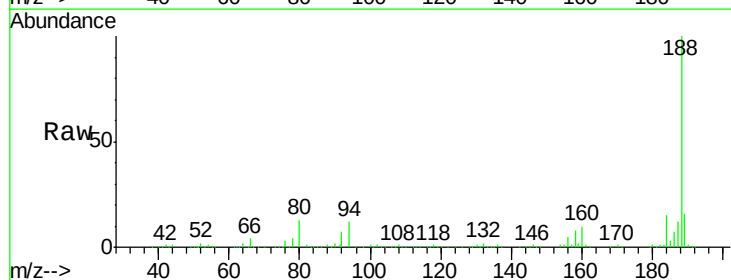
Instrument :
 BNA_F
 ClientSampleId :
 PB101481BL

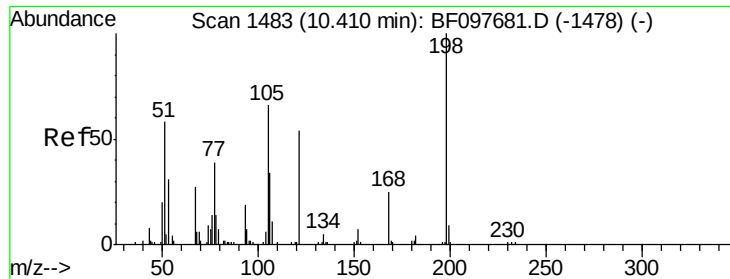
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.5	25.4	38.0#
89	2.3	46.4	69.6#
182	0.0	1.8	2.6#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.30 min Scan# 1566
 Delta R.T. -0.01 min
 Lab File: BF097691.D
 Acq: 15 Aug 2017 15:17

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.9	9.4	14.2
80	12.8	10.2	15.2





#64

4,6-Dinitro-2-methylphenol

Concen: 8.56 ng

RT: 10.60 min Scan# 1448

Delta R.T. 0.20 min

Lab File: BF097691.D

Acq: 15 Aug 2017 15:17

Instrument :

BNA_F

ClientSampleId :

PB101481BL

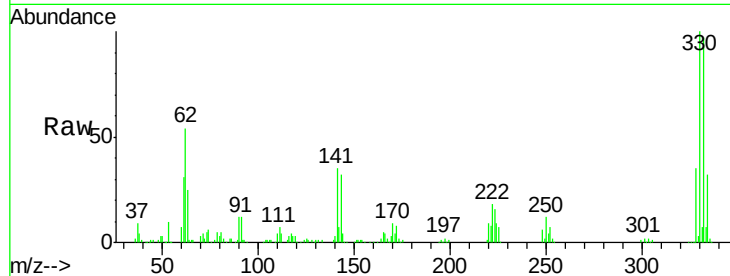
Tot Ion:198 Resp: 613

Ion Ratio Lower Upper

198 100

51 149.8 53.2 93.2#

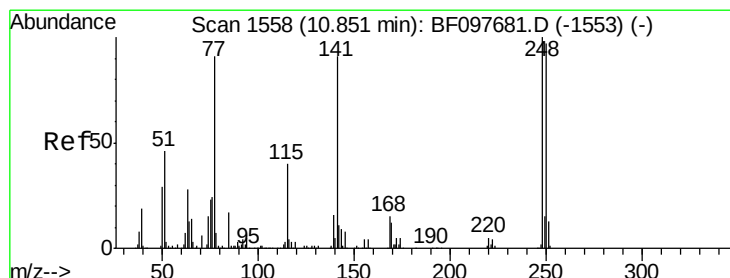
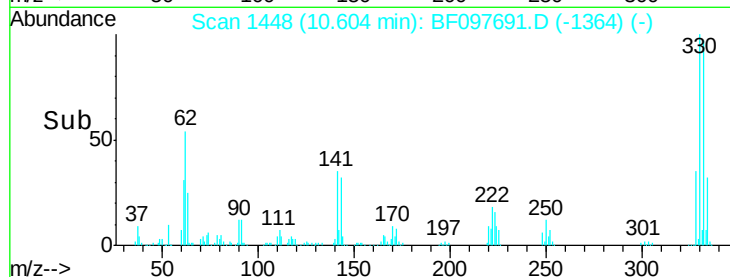
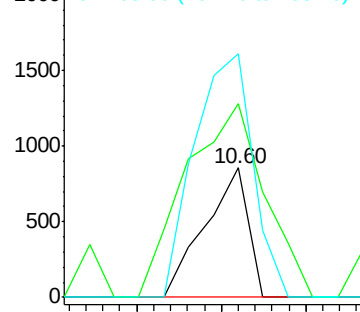
105 187.7 45.8 85.8#



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: 3.54 ng

RT: 10.60 min Scan# 1448

Delta R.T. -0.25 min

Lab File: BF097691.D

Acq: 15 Aug 2017 15:17

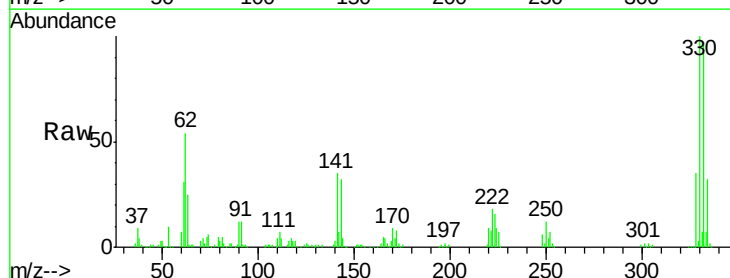
Tgt Ion:248 Resp: 16501

Ion Ratio Lower Upper

248 100

250 194.9 76.8 115.2#

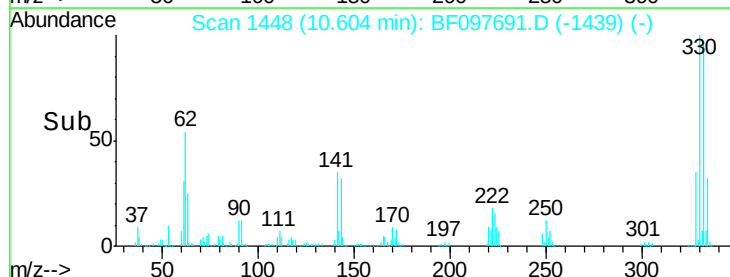
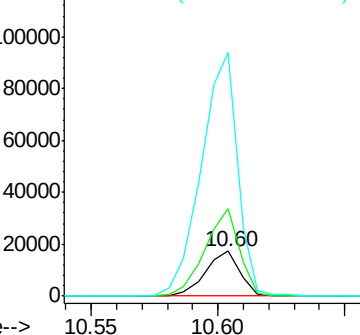
141 539.8 68.6 103.0#

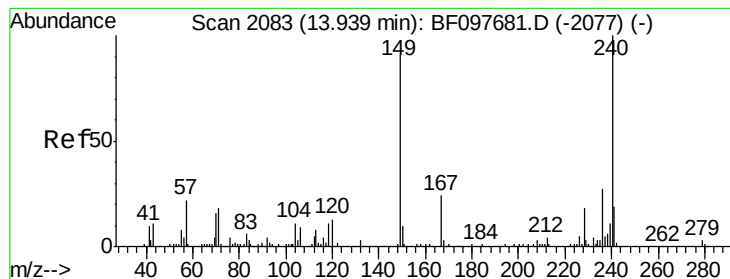


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.93 min Scan# 2014

Delta R.T. -0.01 min

Lab File: BF097691.D

Acq: 15 Aug 2017 15:17

Instrument :

BNA_F

ClientSampleId :

PB101481BL

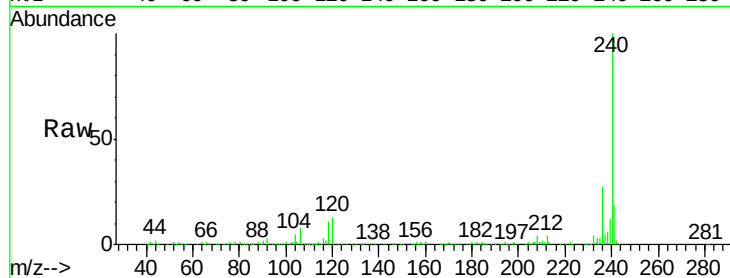
Tot Ion:240 Resp: 378435

Ion Ratio Lower Upper

240 100

120 12.9 5.8 8.8#

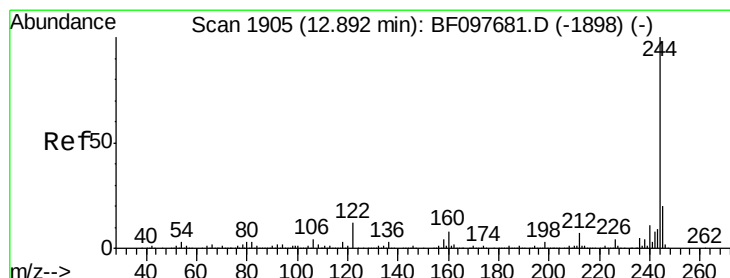
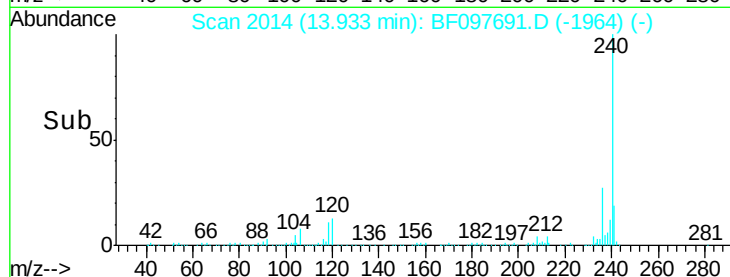
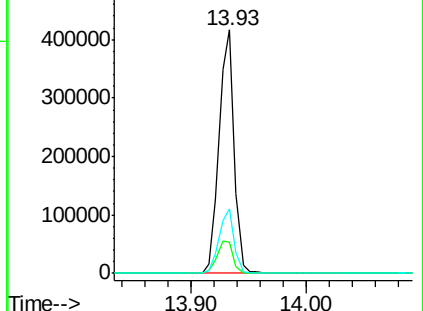
236 26.6 20.5 30.7



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: 62.19 ng

RT: 12.89 min Scan# 1837

Delta R.T. 0.00 min

Lab File: BF097691.D

Acq: 15 Aug 2017 15:17

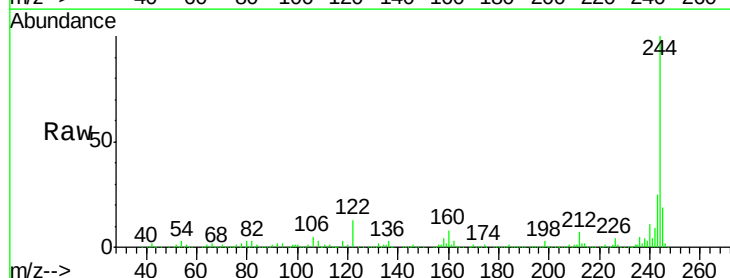
Tgt Ion:244 Resp: 1128658

Ion Ratio Lower Upper

244 100

212 7.2 6.0 9.0

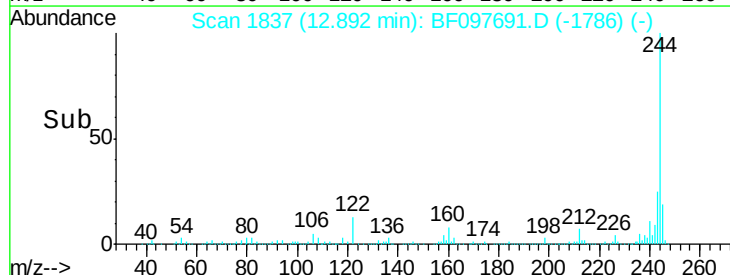
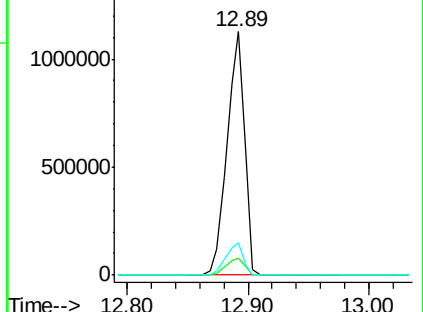
122 13.2 10.3 15.5

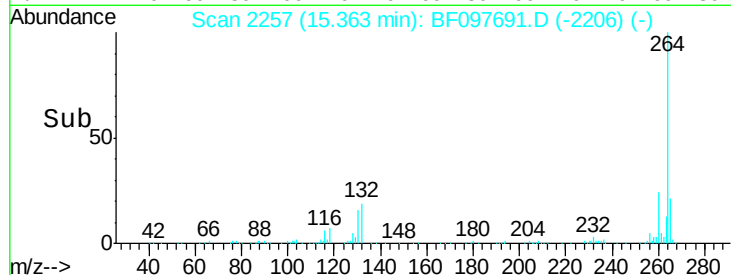
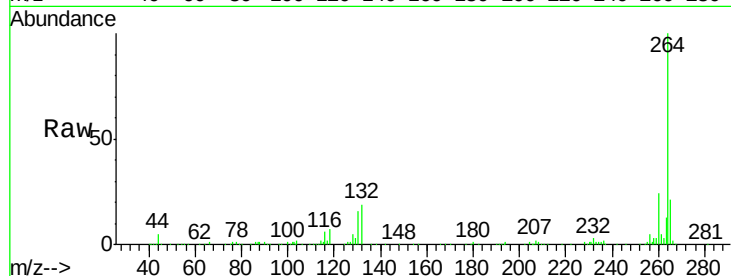
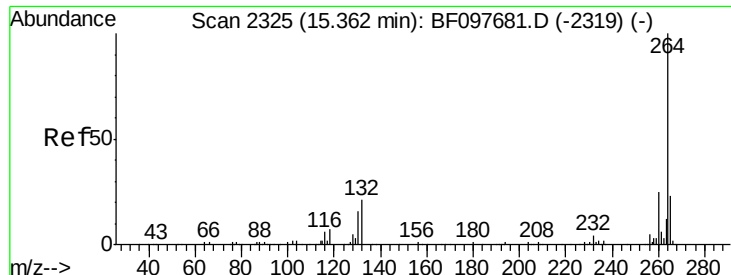


Abundance Ion 244.00 (243.70 to 244.70): E

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: BF097691.D
Acq: 15 Aug 2017 15:17

Instrument :
BNA_F
ClientSampleId :
PB101481BL

Tot Ion:	264	Resp:	264966
Ion Ratio	Lower	Upper	
264	100		
260	24.5	19.5	29.3
265	21.2	17.2	25.8

