

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082217\
 Data File : BF097961.D
 Acq On : 22 Aug 2017 18:44
 Operator : SJ/JU
 Sample : PB101706BL
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB101706BL

Quant Time: Aug 23 01:04:04 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 21 15:59:04 2017
 Response via : Initial Calibration

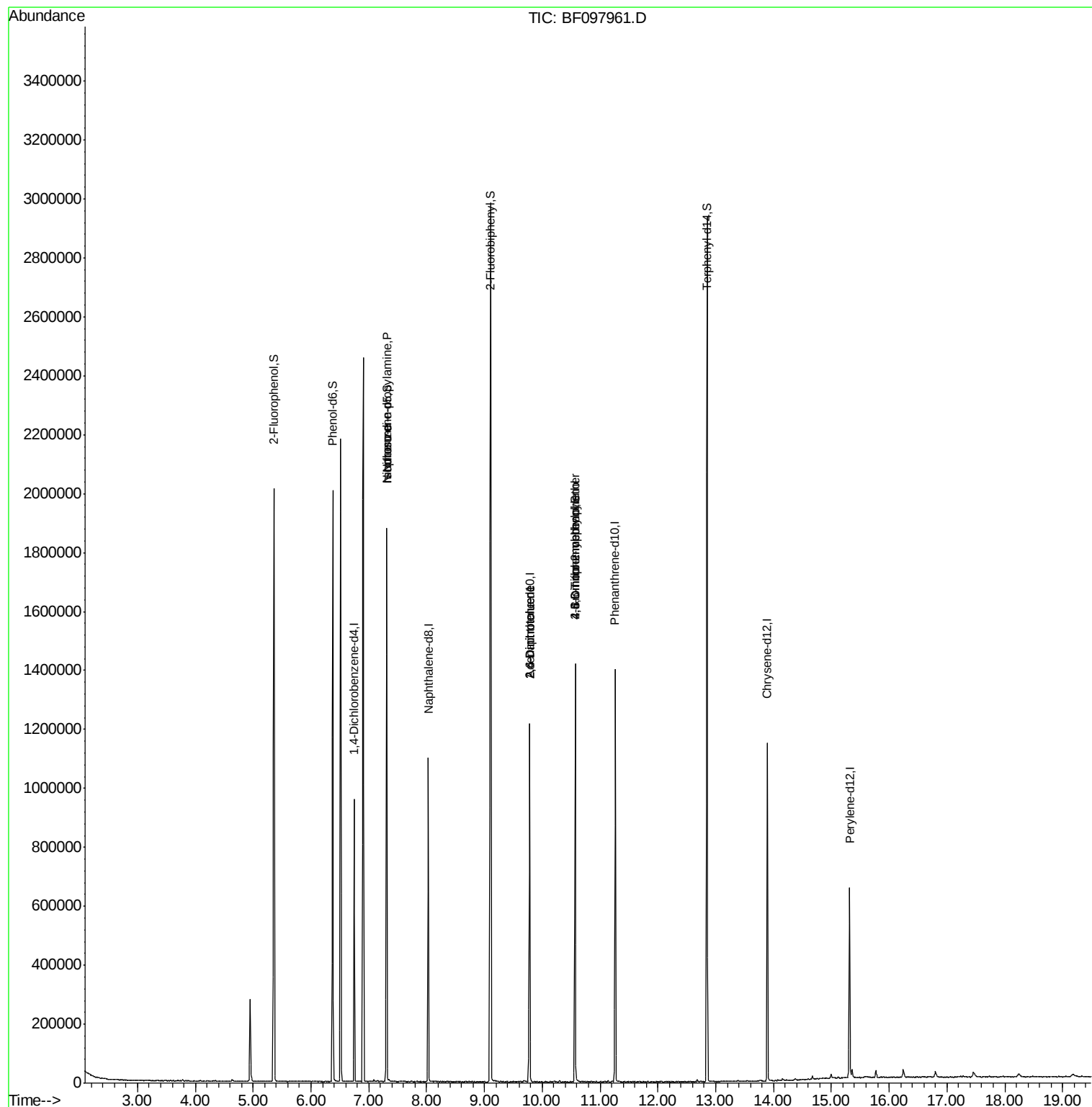
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	119544	20.00	ng	0.00
21) Naphthalene-d8	8.03	136	493758	20.00	ng	0.00
38) Acenaphthene-d10	9.78	164	230777	20.00	ng	0.00
63) Phenanthrene-d10	11.26	188	471700	20.00	ng	0.00
75) Chrysene-d12	13.90	240	414992	20.00	ng	0.00
86) Perylene-d12	15.32	264	285112	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	593139	75.47	ng	0.01
7) Phenol-d6	6.38	99	780231	73.07	ng	0.00
23) Nitrobenzene-d5	7.31	82	720243	79.24	ng	-0.01
41) 2,4,6-Tribromophenol	10.57	330	157384	78.60	ng	0.00
44) 2-Fluorobiphenyl	9.10	172	1109569	70.64	ng	0.00
78) Terphenyl-d14	12.85	244	1070691	53.80	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.31	70	96448	13.19	ng	# 72
25) Isophorone	7.31	82	712056	37.68	ng	# 67
50) 2,6-Dinitrotoluene	9.78	165	28612	8.50	ng	# 35
56) 2,4-Dinitrotoluene	9.78	165	28612	6.77	ng	# 34
64) 4,6-Dinitro-2-methylphenol	10.57	198	146	8.38	ng	# 1
66) 4-Bromophenyl-phenylether	10.57	248	10363	2.12	ng	# 1

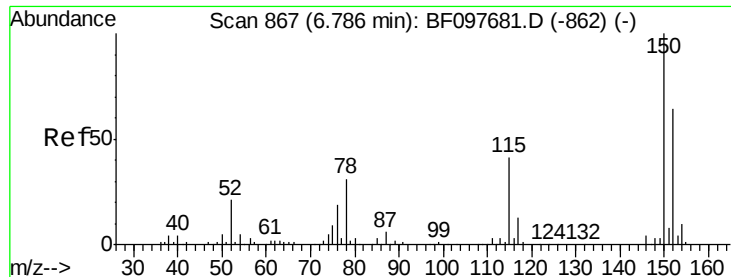
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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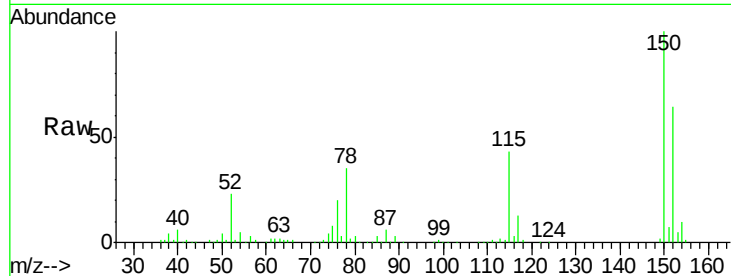


#1

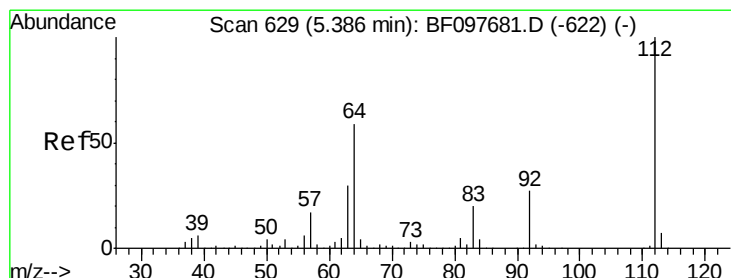
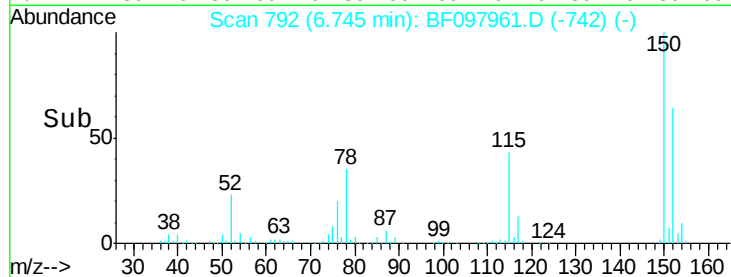
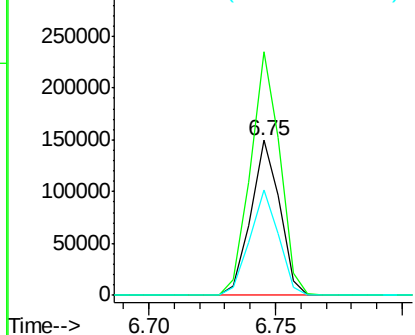
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.75 min Scan# 792
 Delta R.T. -0.01 min
 Lab File: BF097961.D
 Acq: 22 Aug 2017 18:44

Instrument :
 BNA_F
 ClientSampleId :
 PB101706BL

Tot Ion:152 Resp: 119544
 Ion Ratio Lower Upper
 152 100
 150 156.9 126.2 189.2
 115 68.0 52.2 78.2



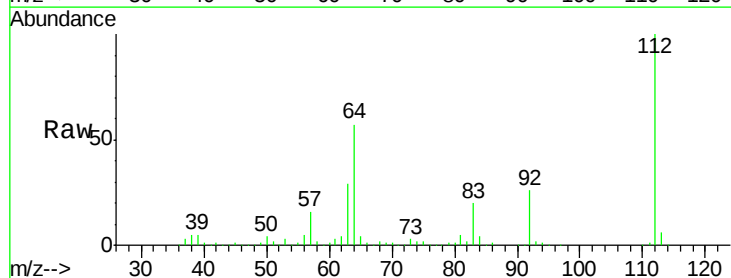
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



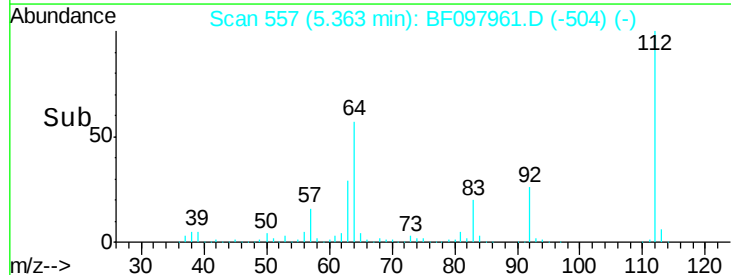
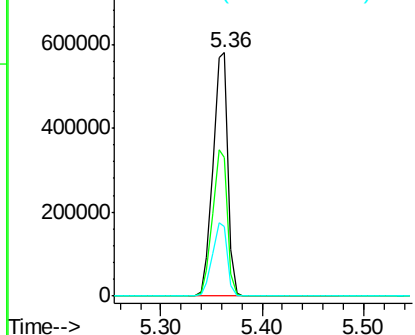
#5

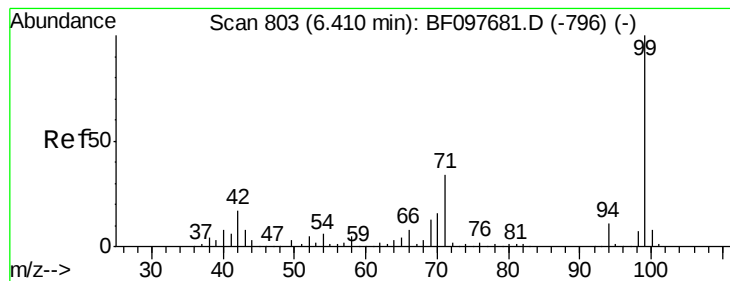
2-Fluorophenol
 Concen: 75.47 ng
 RT: 5.36 min Scan# 557
 Delta R.T. 0.01 min
 Lab File: BF097961.D
 Acq: 22 Aug 2017 18:44

Tgt Ion:112 Resp: 593139
 Ion Ratio Lower Upper
 112 100
 64 57.0 46.0 69.0
 63 28.8 23.4 35.0



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BF0
 Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 73.07 ng

RT: 6.38 min Scan# 730

Delta R.T. -0.01 min

Lab File: BF097961.D

Acq: 22 Aug 2017 18:44

Instrument :

BNA_F

ClientSampleId :

PB101706BL

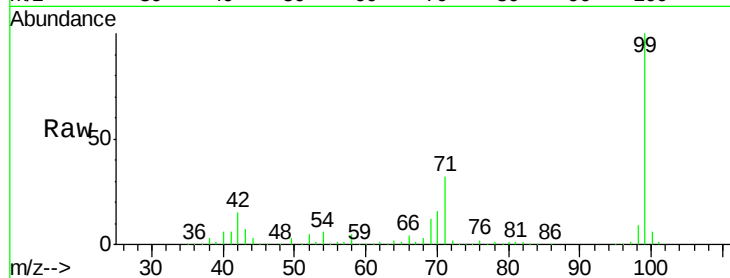
Tot Ion: 99 Resp: 780231

Ion Ratio Lower Upper

99 100

42 15.3 13.5 20.3

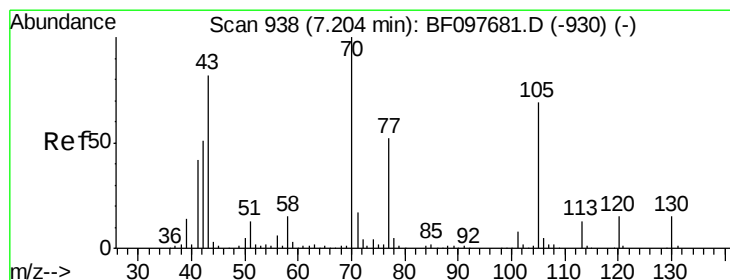
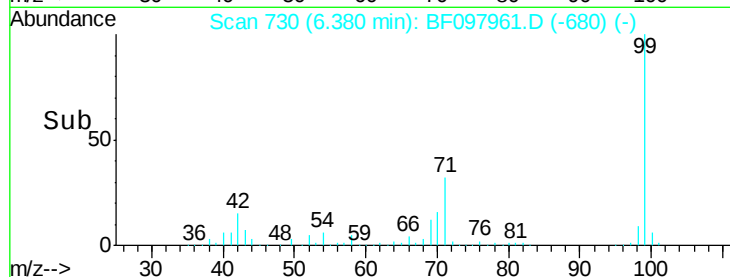
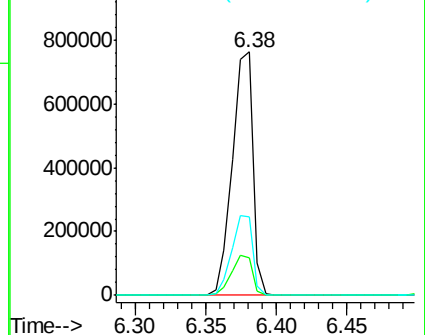
71 32.1 24.5 36.7



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: 13.19 ng

RT: 7.31 min Scan# 888

Delta R.T. 0.14 min

Lab File: BF097961.D

Acq: 22 Aug 2017 18:44

Tgt Ion: 70 Resp: 96448

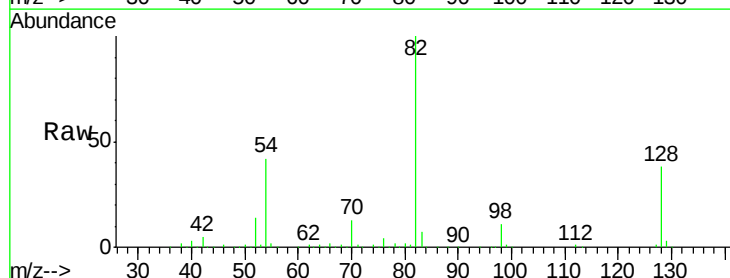
Ion Ratio Lower Upper

70 100

42 40.7 47.2 70.8#

101 0.0 7.2 10.8#

130 1.8 15.9 23.9#

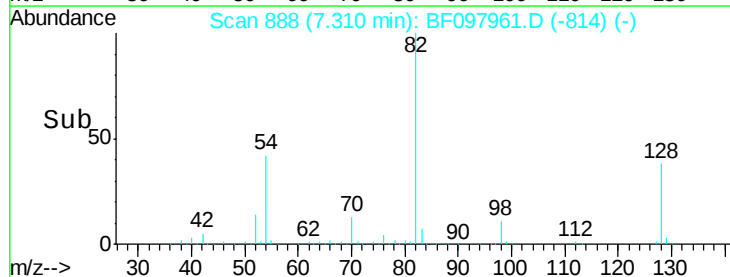
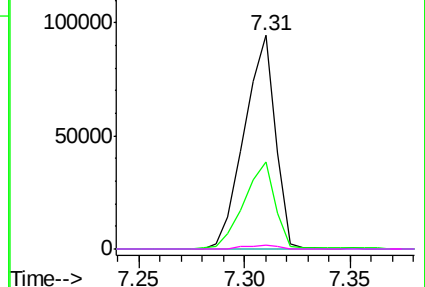


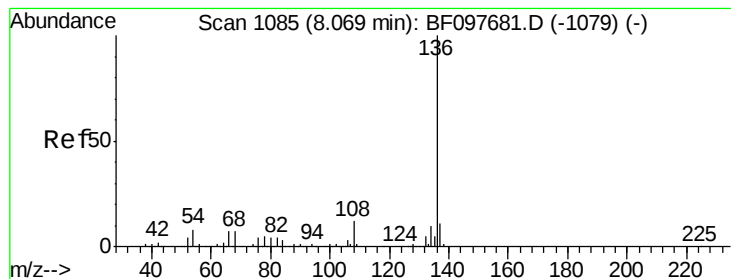
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 8.03 min Scan# 1010

Delta R.T. -0.01 min

Lab File: BF097961.D

Acq: 22 Aug 2017 18:44

Instrument :

BNA_F

ClientSampleId :

PB101706BL

Tot Ion:136 Resp: 493758

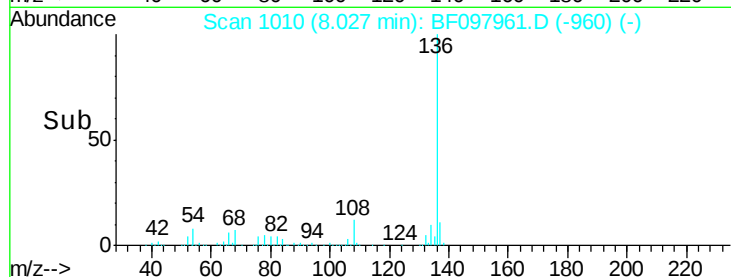
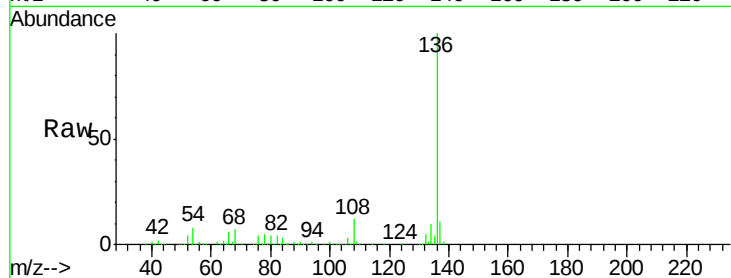
Ion Ratio Lower Upper

136 100

137 10.9 8.5 12.7

54 8.1 4.9 7.3#

68 7.4 4.1 6.1#

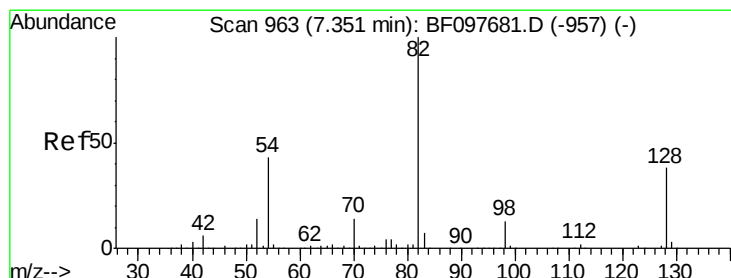
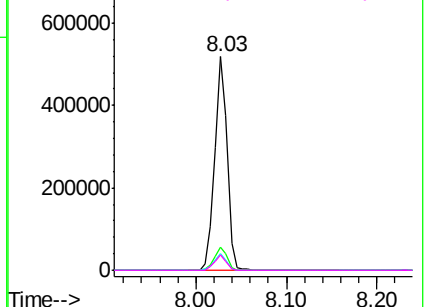


Abundance Ion 136.00 (135.70 to 136.70): E

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



#23

Nitrobenzene-d5

Concen: 79.24 ng

RT: 7.31 min Scan# 888

Delta R.T. -0.01 min

Lab File: BF097961.D

Acq: 22 Aug 2017 18:44

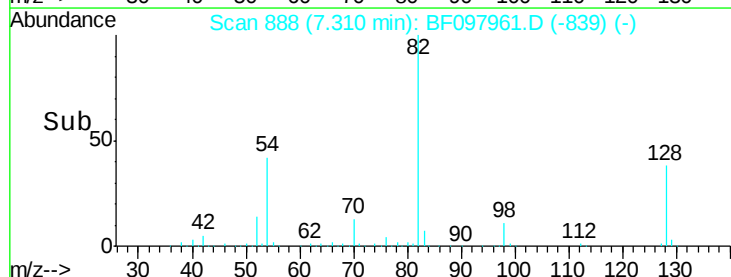
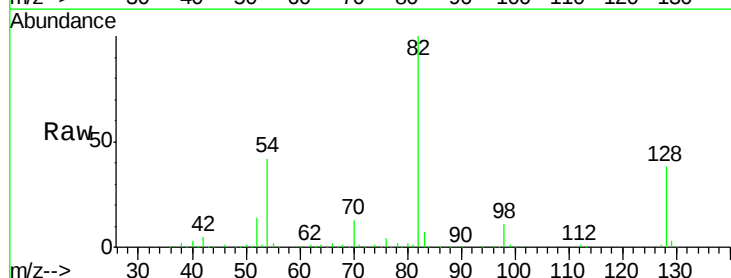
Tgt Ion: 82 Resp: 720243

Ion Ratio Lower Upper

82 100

128 38.4 34.0 51.0

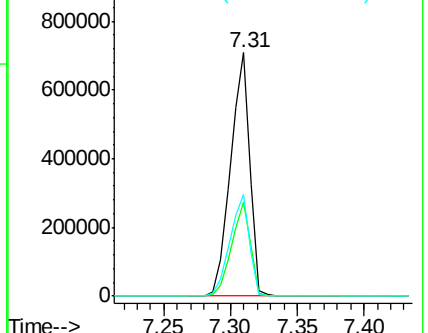
54 41.6 42.2 63.2#

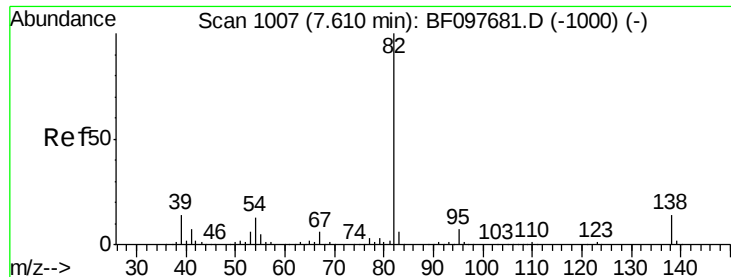


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 37.68 ng

RT: 7.31 min Scan# 888

Delta R.T. -0.27 min

Lab File: BF097961.D

Acq: 22 Aug 2017 18:44

Instrument :

BNA_F

ClientSampleId :

PB101706BL

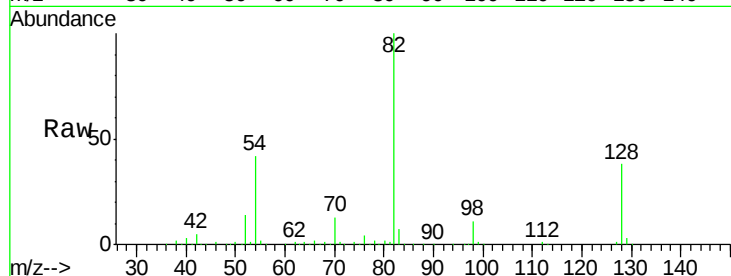
Tot Ion: 82 Resp: 712056

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

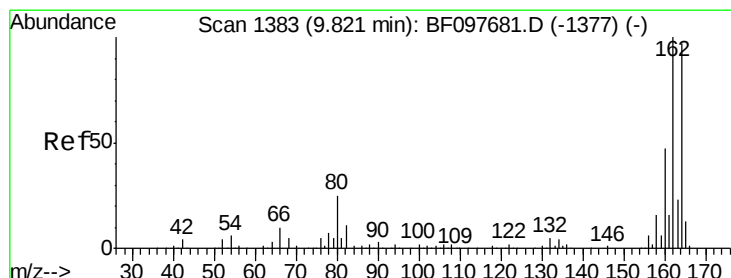
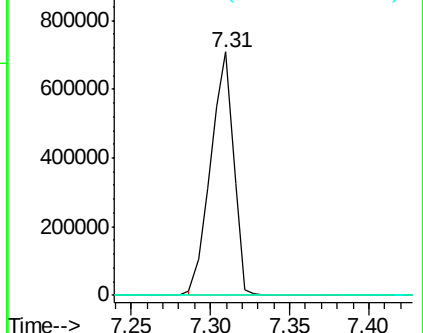
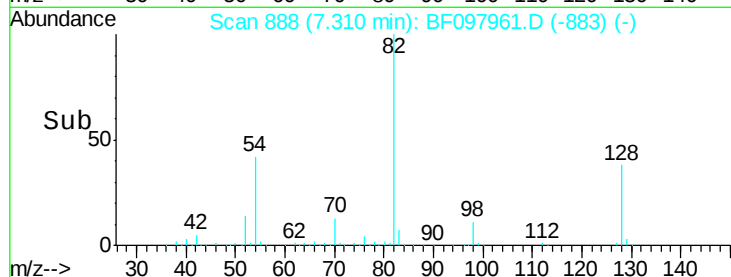
138 0.0 13.1 19.7#



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): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.78 min Scan# 1308

Delta R.T. -0.01 min

Lab File: BF097961.D

Acq: 22 Aug 2017 18:44

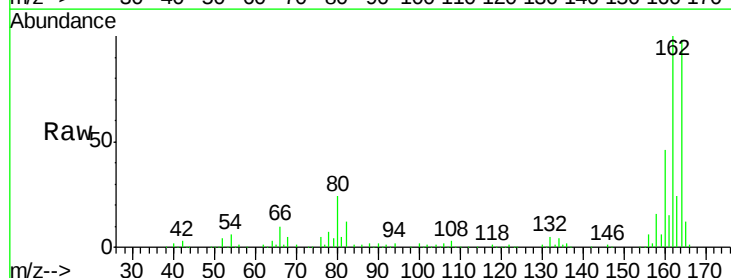
Tgt Ion:164 Resp: 230777

Ion Ratio Lower Upper

164 100

162 101.9 82.6 123.8

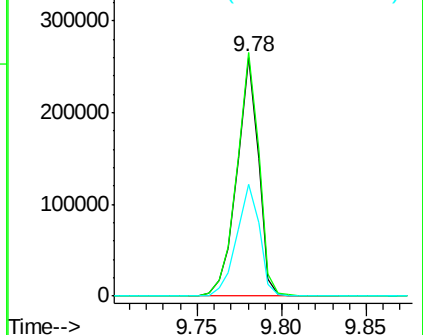
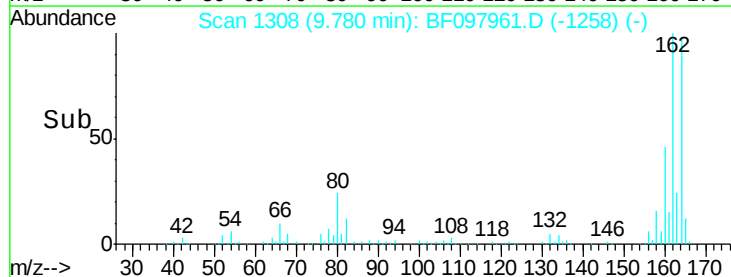
160 46.7 36.2 54.2

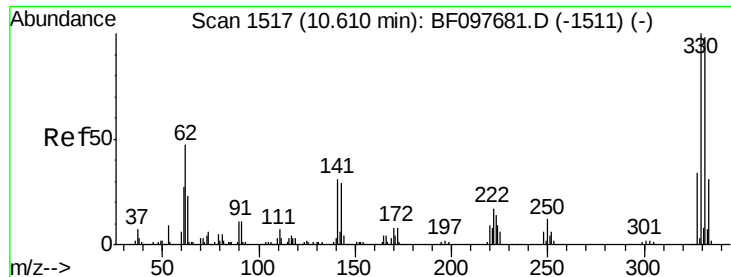


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#41

2,4,6-Tribromophenol

Concen: 78.60 ng

RT: 10.57 min Scan# 1442

Delta R.T. -0.01 min

Lab File: BF097961.D

Acq: 22 Aug 2017 18:44

Instrument :

BNA_F

ClientSampleId :

PB101706BL

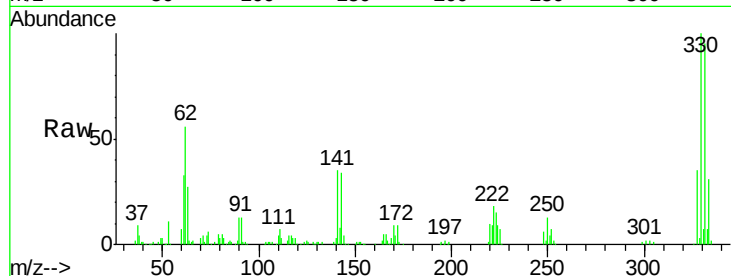
Tot Ion:330 Resp: 157384

Ion Ratio Lower Upper

330 100

332 94.2 76.6 115.0

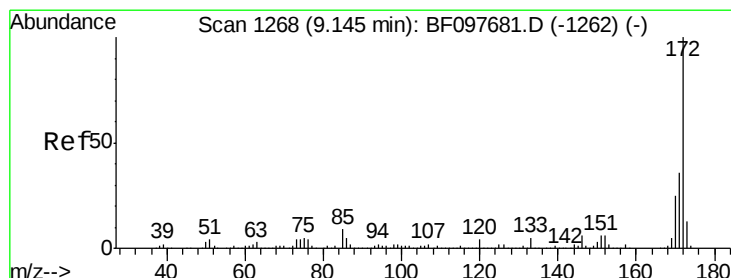
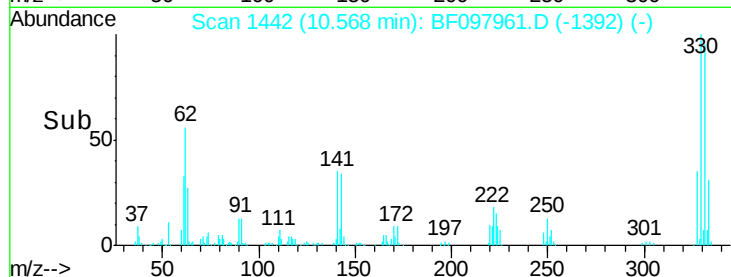
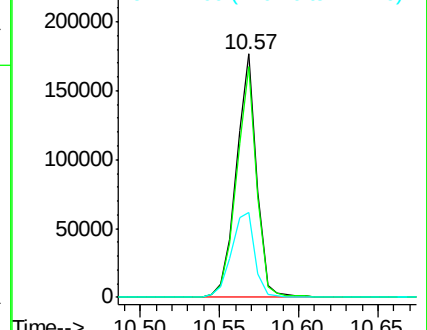
141 40.5 31.4 47.2



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: 70.64 ng

RT: 9.10 min Scan# 1193

Delta R.T. -0.01 min

Lab File: BF097961.D

Acq: 22 Aug 2017 18:44

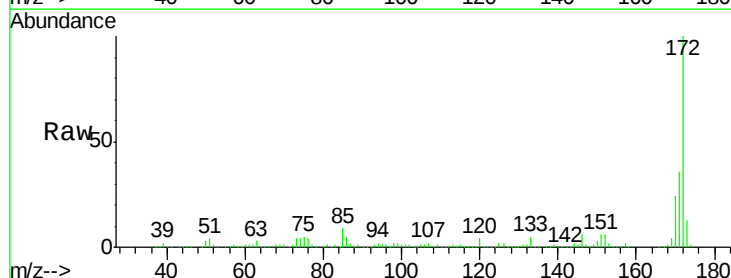
Tgt Ion:172 Resp: 1109569

Ion Ratio Lower Upper

172 100

171 36.1 29.6 44.4

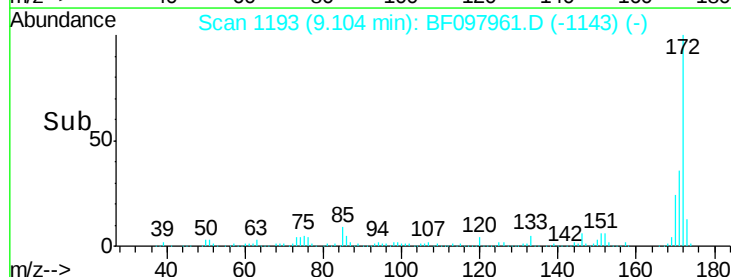
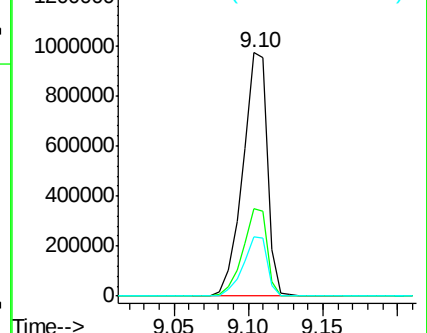
170 24.4 19.8 29.8

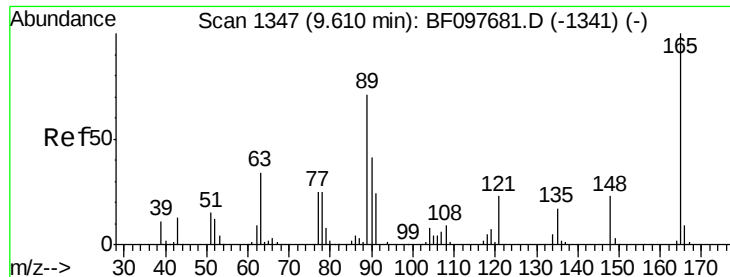


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

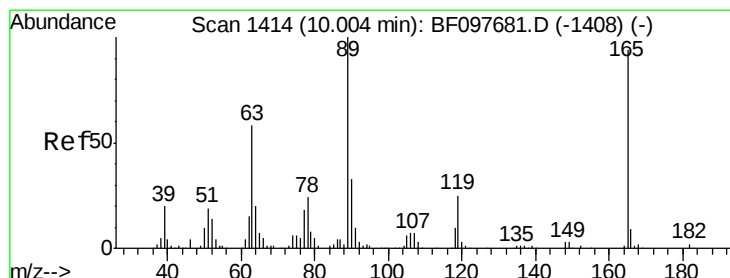
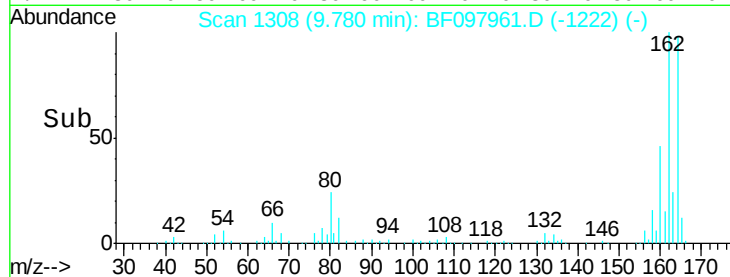
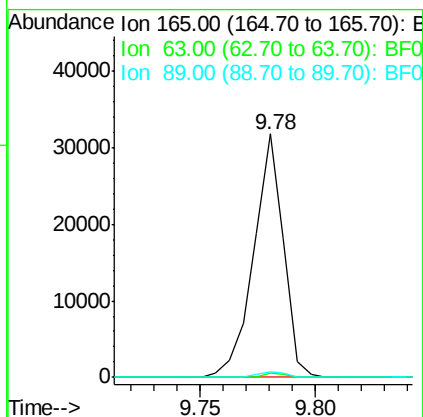
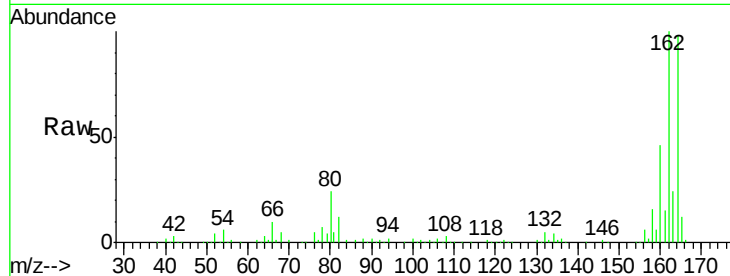




#50
 2,6-Dinitrotoluene
 Concen: 8.50 ng
 RT: 9.78 min Scan# 1308
 Delta R.T. 0.21 min
 Lab File: BF097961.D
 Acq: 22 Aug 2017 18:44

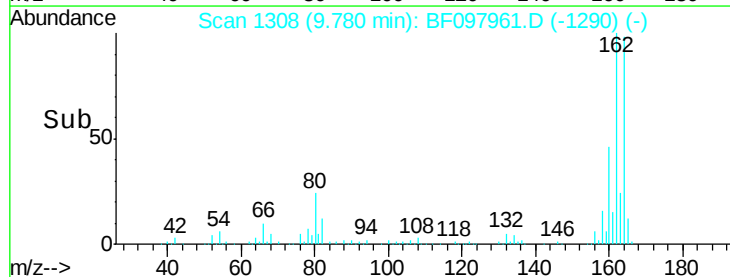
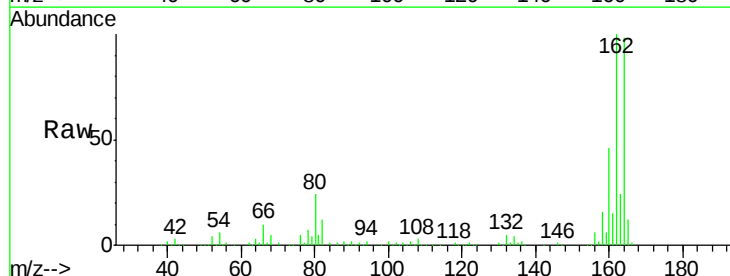
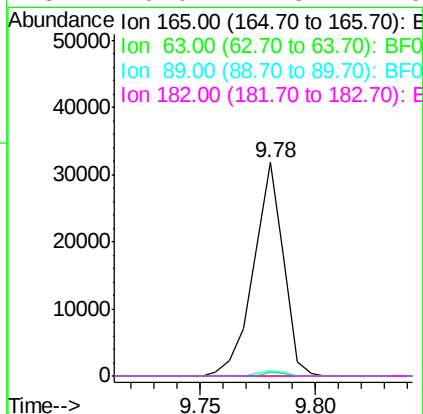
Instrument :
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 PB101706BL

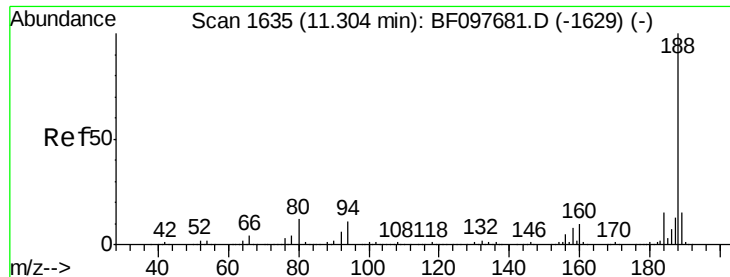
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.6	34.3	51.5#
89	2.4	37.1	55.7#



#56
 2,4-Dinitrotoluene
 Concen: 6.77 ng
 RT: 9.78 min Scan# 1308
 Delta R.T. -0.19 min
 Lab File: BF097961.D
 Acq: 22 Aug 2017 18:44

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.6	25.4	38.0#
89	2.4	46.4	69.6#
182	0.0	1.8	2.6#

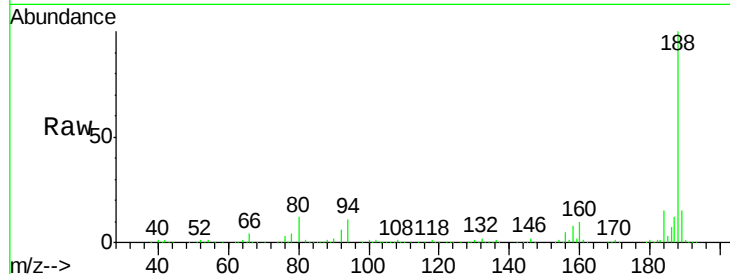




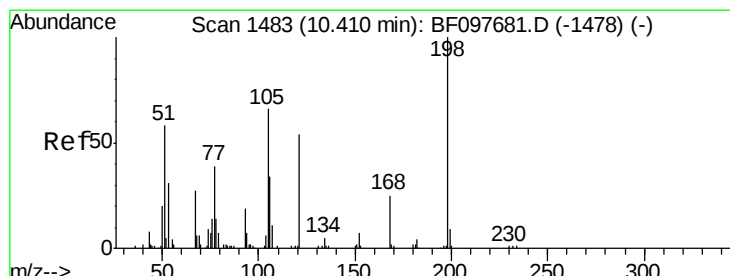
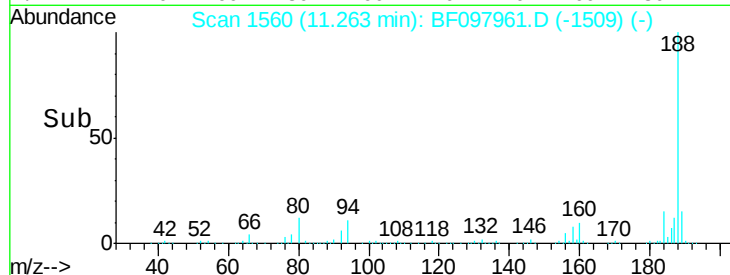
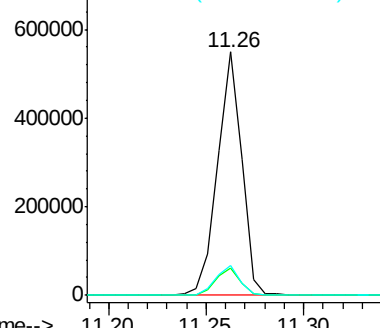
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.26 min Scan# 1560
Delta R.T. -0.00 min
Lab File: BF097961.D
Acq: 22 Aug 2017 18:44

Instrument :
BNA_F
ClientSampleId :
PB101706BL

Tot Ion:188 Resp: 471700
Ion Ratio Lower Upper
188 100
94 11.4 9.4 14.2
80 12.2 10.2 15.2

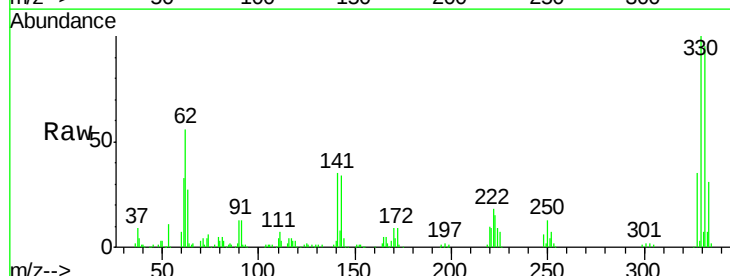


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

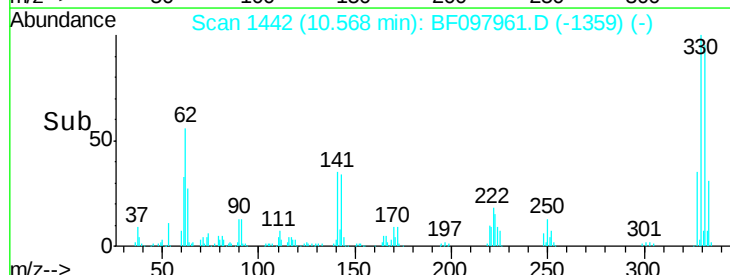
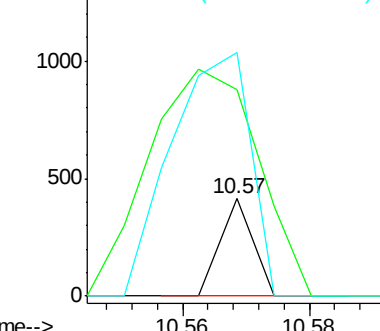


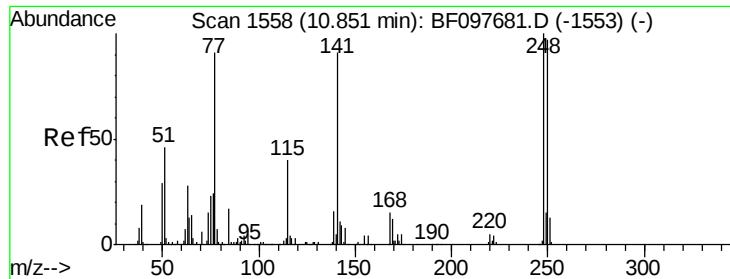
#64
4,6-Dinitro-2-methylphenol
Concen: 8.38 ng
RT: 10.57 min Scan# 1442
Delta R.T. 0.19 min
Lab File: BF097961.D
Acq: 22 Aug 2017 18:44

Tgt Ion:198 Resp: 146
Ion Ratio Lower Upper
198 100
51 212.3 53.2 93.2#
105 249.6 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

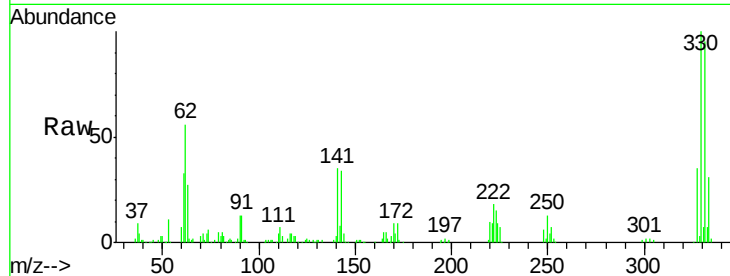




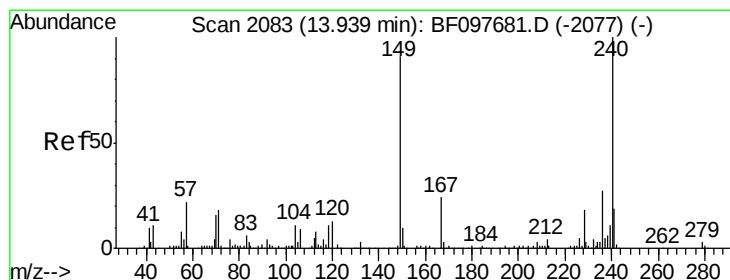
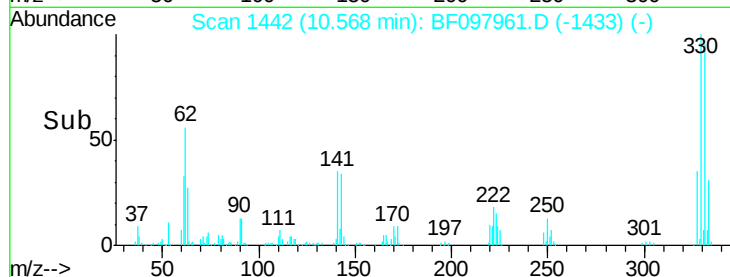
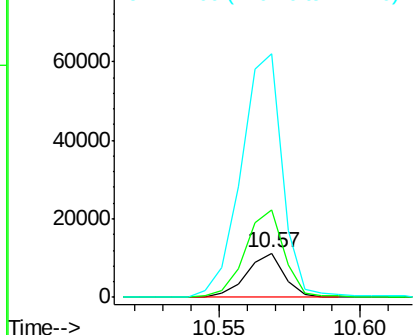
#66
 4-Bromophenyl-phenylether
 Concen: 2.12 ng
 RT: 10.57 min Scan# 1442
 Delta R.T. -0.25 min
 Lab File: BF097961.D
 Acq: 22 Aug 2017 18:44

Instrument :
 BNA_F
 ClientSampleId :
 PB101706BL

Tot Ion:248 Resp: 10363
 Ion Ratio Lower Upper
 248 100
 250 199.8 76.8 115.2#
 141 553.0 68.6 103.0#

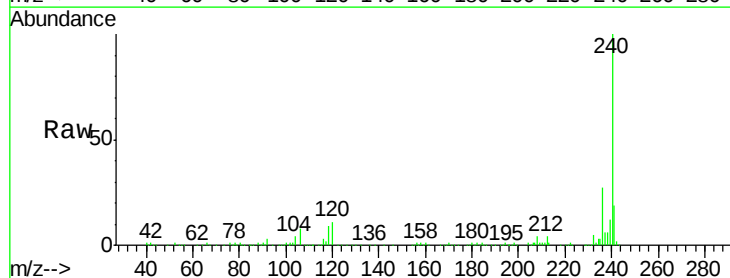


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

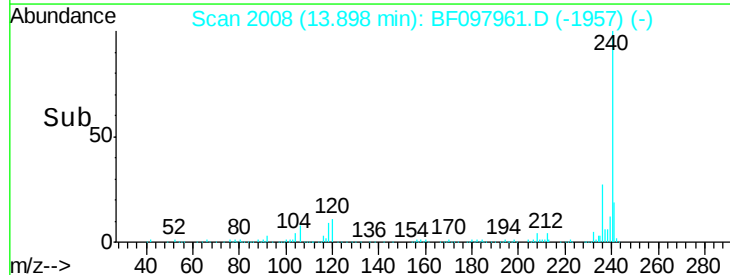
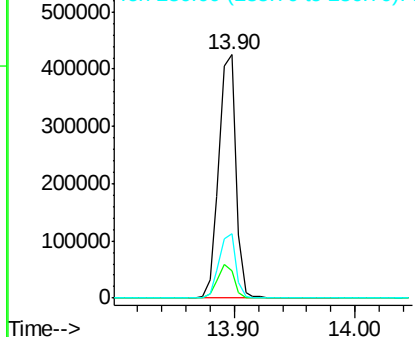


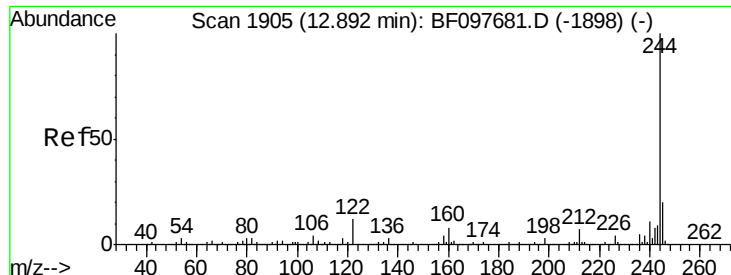
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.90 min Scan# 2008
 Delta R.T. -0.00 min
 Lab File: BF097961.D
 Acq: 22 Aug 2017 18:44

Tgt Ion:240 Resp: 414992
 Ion Ratio Lower Upper
 240 100
 120 11.1 5.8 8.8#
 236 26.7 20.5 30.7



Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 53.80 ng

RT: 12.85 min Scan# 1830

Delta R.T. -0.00 min

Lab File: BF097961.D

Acq: 22 Aug 2017 18:44

Instrument :

BNA_F

ClientSampleId :

PB101706BL

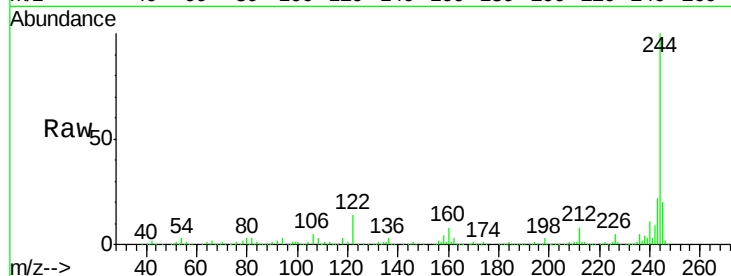
Tot Ion:244 Resp: 1070691

Ion Ratio Lower Upper

244 100

212 7.6 6.0 9.0

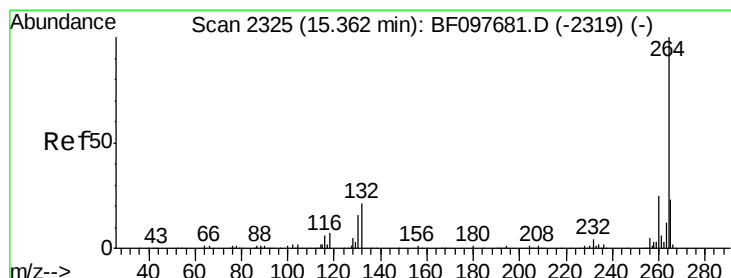
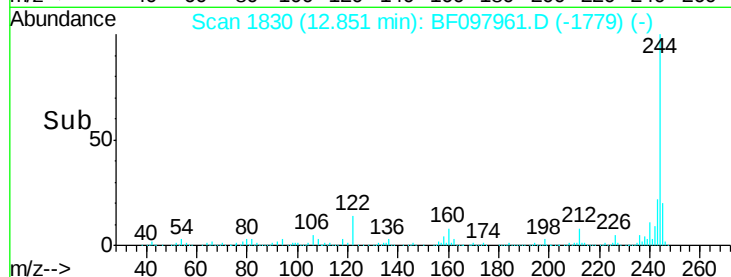
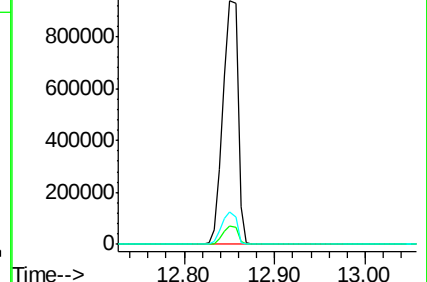
122 13.6 10.3 15.5



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.32 min Scan# 2249

Delta R.T. 0.01 min

Lab File: BF097961.D

Acq: 22 Aug 2017 18:44

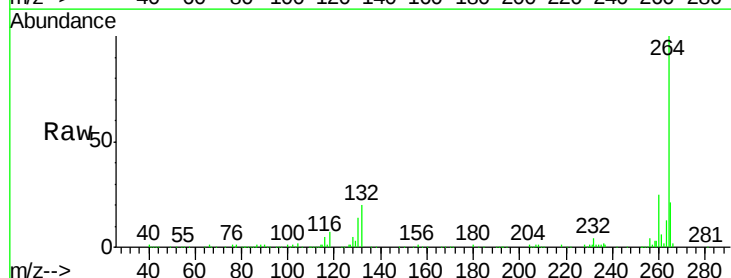
Tgt Ion:264 Resp: 285112

Ion Ratio Lower Upper

264 100

260 25.0 19.5 29.3

265 21.3 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

