

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081817\
 Data File : BF097841.D
 Acq On : 18 Aug 2017 19:09
 Operator : SJ/JU
 Sample : PB101579BL
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB101579BL

Quant Time: Aug 19 00:12:24 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

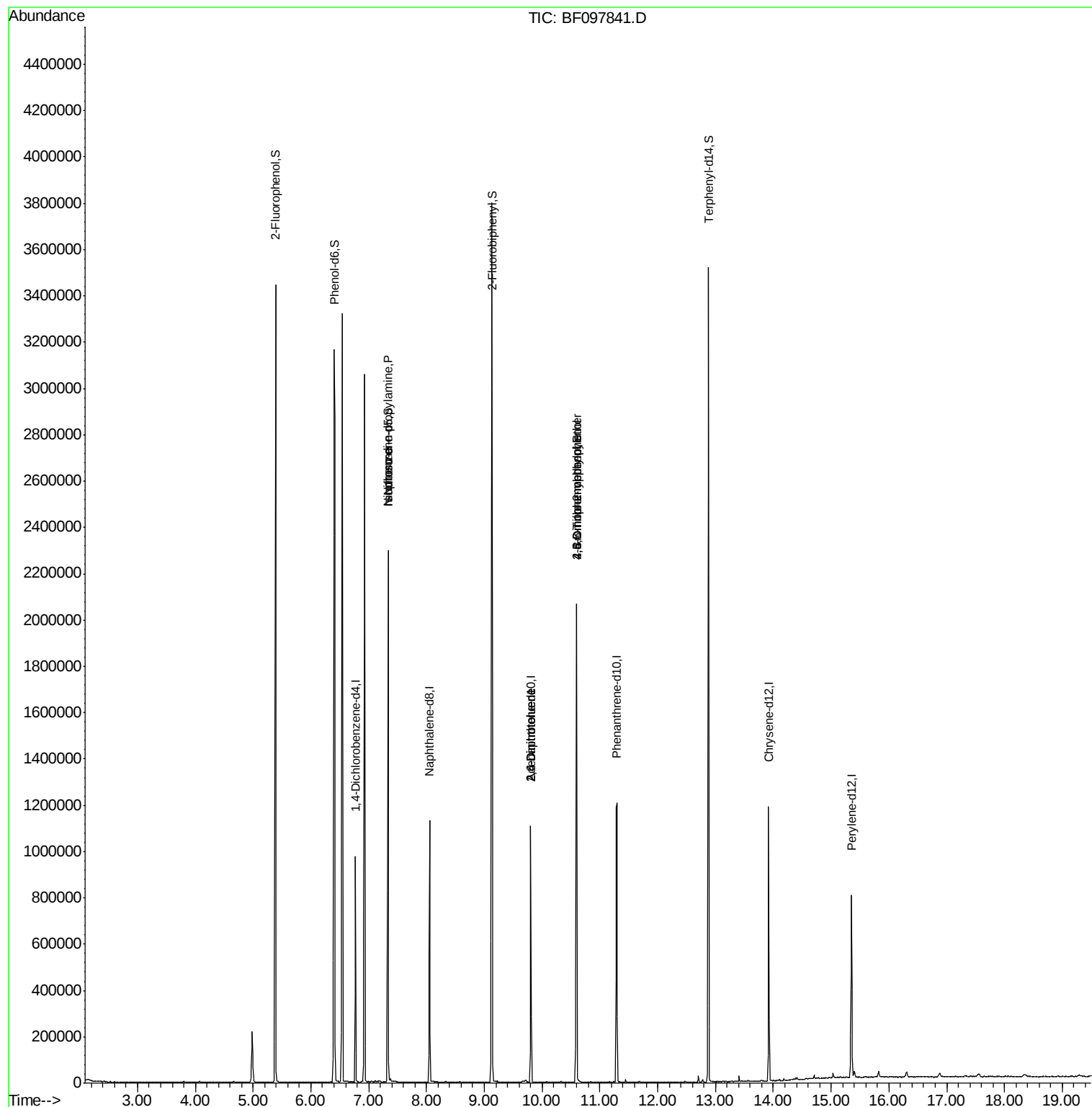
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	123454	20.00	ng	-0.02
21) Naphthalene-d8	8.05	136	493120	20.00	ng	-0.02
38) Acenaphthene-d10	9.80	164	217462	20.00	ng	-0.02
63) Phenanthrene-d10	11.29	188	435223	20.00	ng	-0.01
75) Chrysene-d12	13.92	240	410355	20.00	ng	-0.02
86) Perylene-d12	15.36	264	352740	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	1035925	127.64	ng	0.00
7) Phenol-d6	6.40	99	1397426	126.72	ng	0.00
23) Nitrobenzene-d5	7.33	82	874168	96.30	ng	-0.02
41) 2,4,6-Tribromophenol	10.60	330	262445	139.09	ng	-0.01
44) 2-Fluorobiphenyl	9.13	172	1262942	85.33	ng	-0.01
78) Terphenyl-d14	12.88	244	1196714	60.81	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.33	70	120279	15.93	ng	# 73
25) Isophorone	7.33	82	874156	46.31	ng	# 67
50) 2,6-Dinitrotoluene	9.80	165	27830	8.77	ng	# 35
56) 2,4-Dinitrotoluene	9.80	165	27830	6.99	ng	# 34
64) 4,6-Dinitro-2-methylphenol	10.59	198	663	8.59	ng	# 1
66) 4-Bromophenyl-phenylether	10.60	248	17065	3.78	ng	# 1

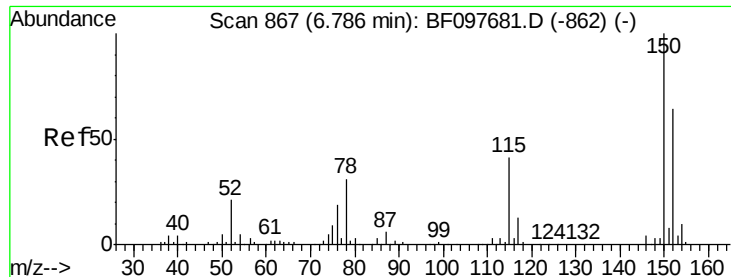
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Aug 15 13:25:08 2017
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.77 min Scan# 796

Delta R.T. -0.02 min

Lab File: BF097841.D

Acq: 18 Aug 2017 19:09

Instrument :

BNA_F

ClientSampleId :

PB101579BL

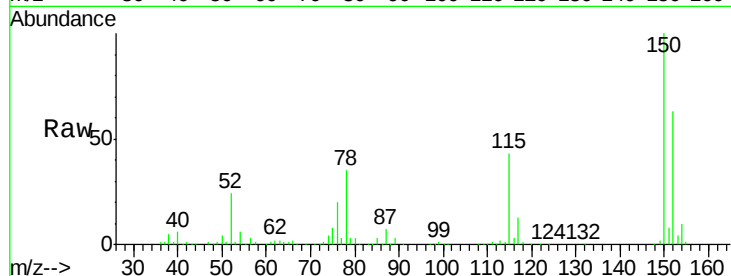
Tot Ion:152 Resp: 123454

Ion Ratio Lower Upper

152 100

150 158.2 126.2 189.2

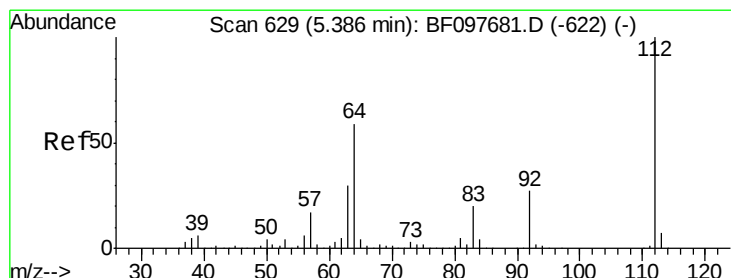
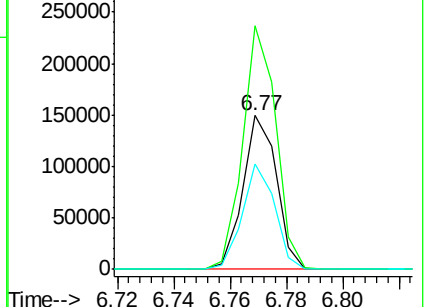
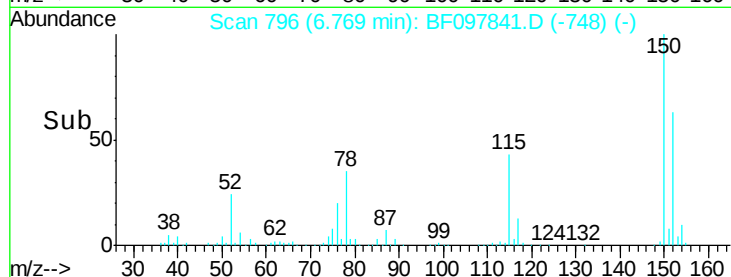
115 68.5 52.2 78.2



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: 127.64 ng

RT: 5.39 min Scan# 561

Delta R.T. 0.00 min

Lab File: BF097841.D

Acq: 18 Aug 2017 19:09

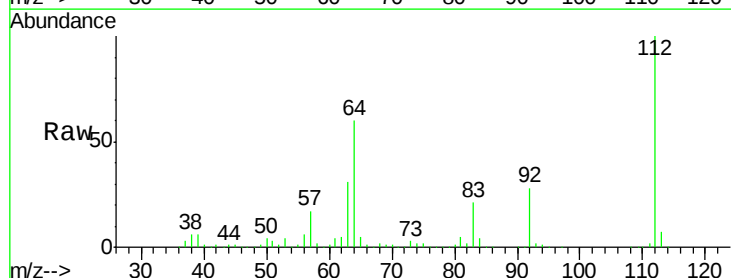
Tgt Ion:112 Resp: 1035925

Ion Ratio Lower Upper

112 100

64 59.6 46.0 69.0

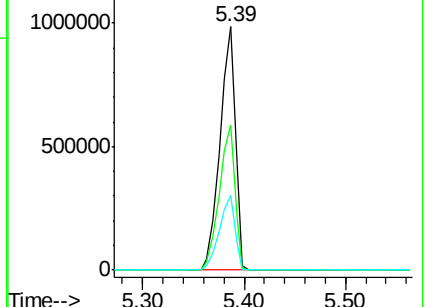
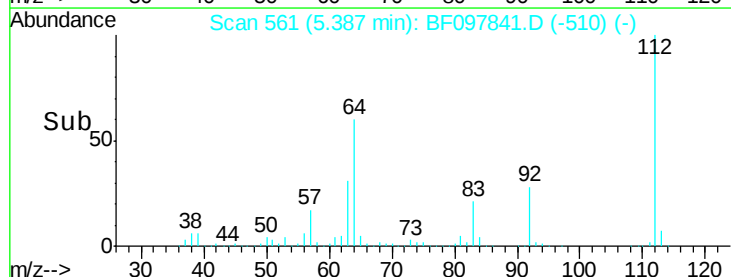
63 30.9 23.4 35.0

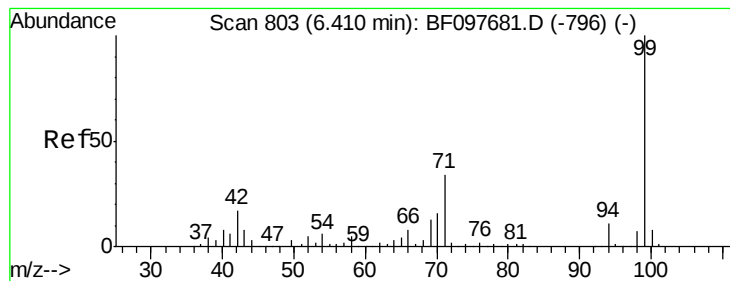


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 126.72 ng

RT: 6.40 min Scan# 734

Delta R.T. -0.01 min

Lab File: BF097841.D

Acq: 18 Aug 2017 19:09

Instrument :

BNA_F

ClientSampleId :

PB101579BL

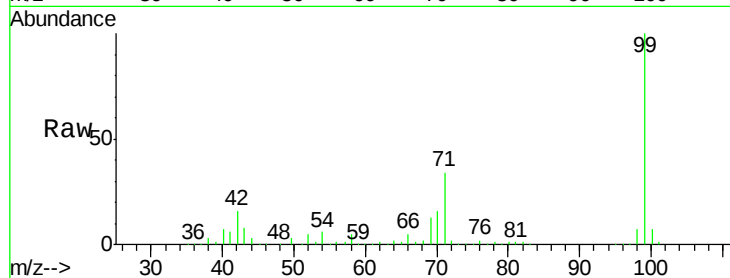
Tot Ion: 99 Resp: 1397426

Ion Ratio Lower Upper

99 100

42 16.1 13.5 20.3

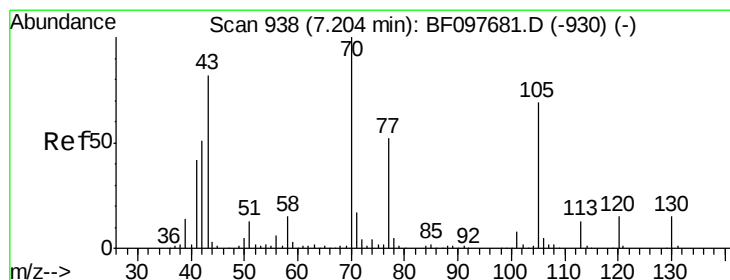
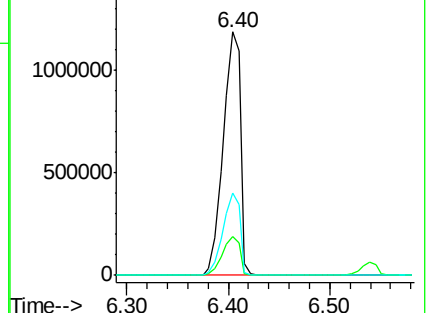
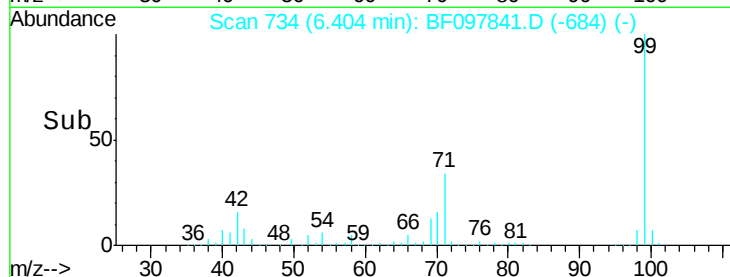
71 33.9 24.5 36.7



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: 15.93 ng

RT: 7.33 min Scan# 892

Delta R.T. 0.13 min

Lab File: BF097841.D

Acq: 18 Aug 2017 19:09

Tgt Ion: 70 Resp: 120279

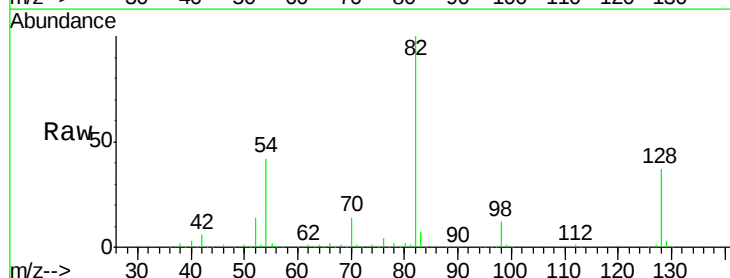
Ion Ratio Lower Upper

70 100

42 41.5 47.2 70.8#

101 0.0 7.2 10.8#

130 1.8 15.9 23.9#

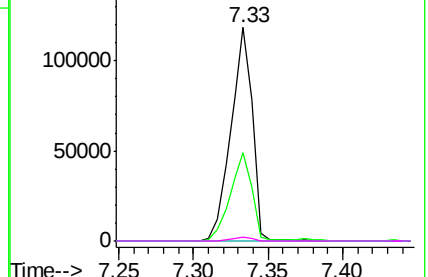
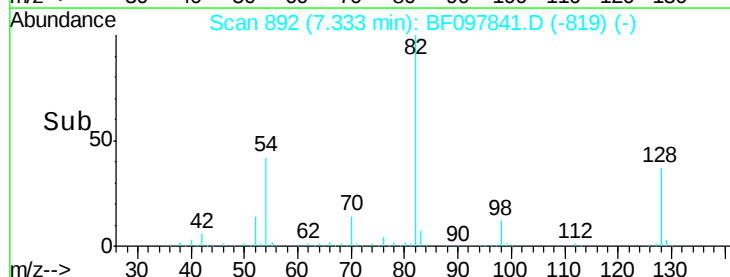


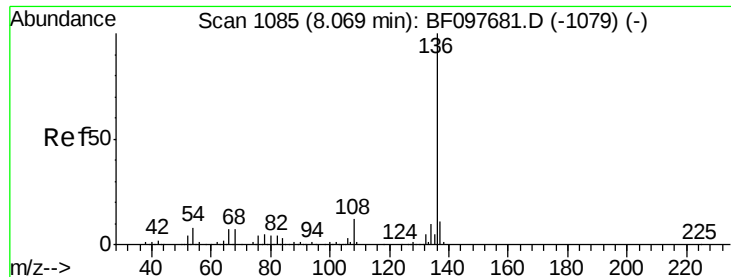
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 8.05 min Scan# 1014

Delta R.T. -0.02 min

Lab File: BF097841.D

Acq: 18 Aug 2017 19:09

Instrument :

BNA_F

ClientSampleId :

PB101579BL

Tot Ion:136 Resp: 493120

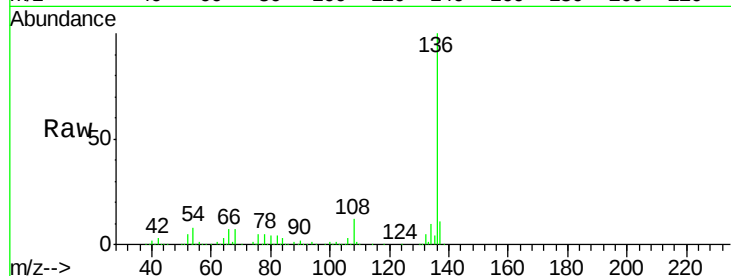
Ion Ratio Lower Upper

136 100

137 11.1 8.5 12.7

54 7.8 4.9 7.3#

68 7.1 4.1 6.1#

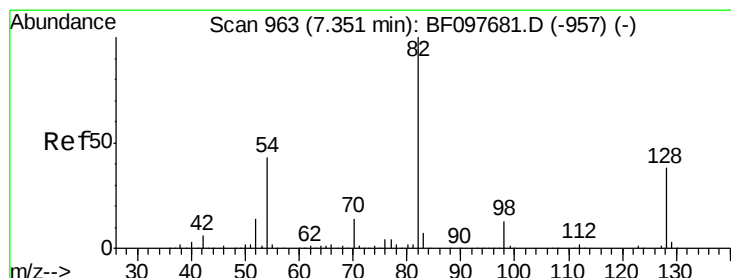
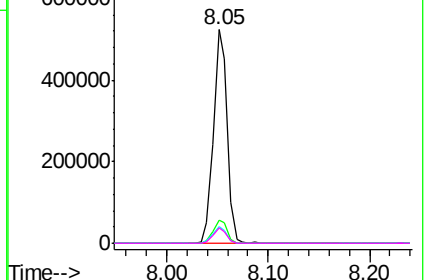
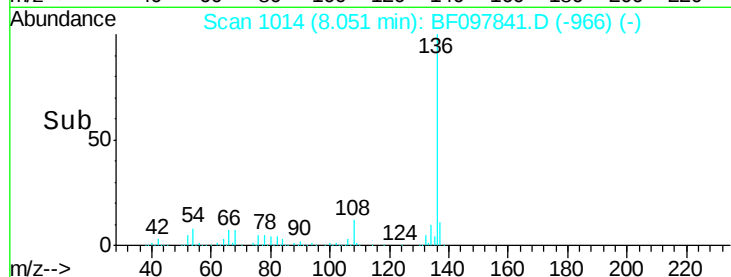


Abundance Ion 136.00 (135.70 to 136.70): E

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: 96.30 ng

RT: 7.33 min Scan# 892

Delta R.T. -0.02 min

Lab File: BF097841.D

Acq: 18 Aug 2017 19:09

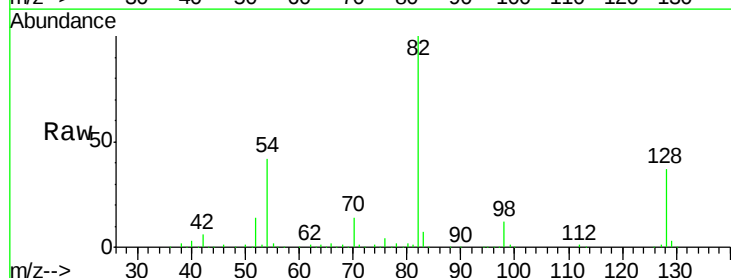
Tgt Ion: 82 Resp: 874168

Ion Ratio Lower Upper

82 100

128 37.3 34.0 51.0

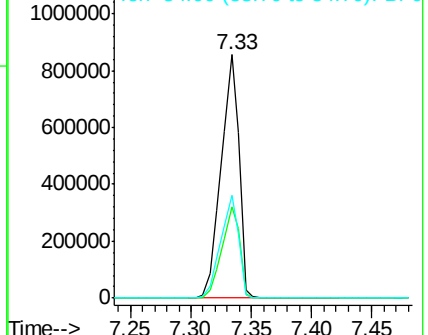
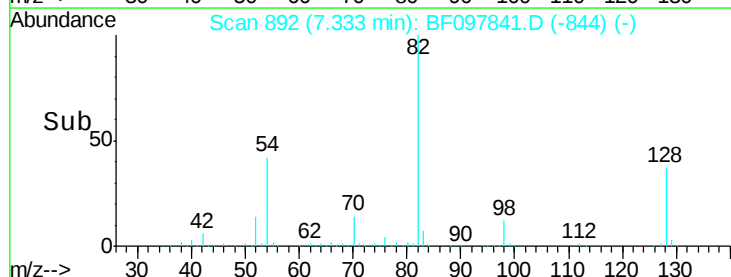
54 42.4 42.2 63.2



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: 46.31 ng

RT: 7.33 min Scan# 892

Delta R.T. -0.28 min

Lab File: BF097841.D

Acq: 18 Aug 2017 19:09

Instrument :

BNA_F

ClientSampled :

PB101579BL

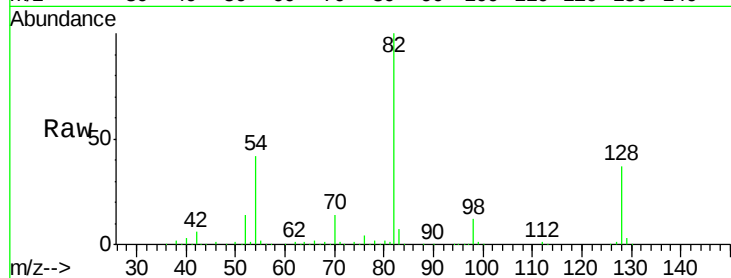
Tot Ion: 82 Resp: 874156

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

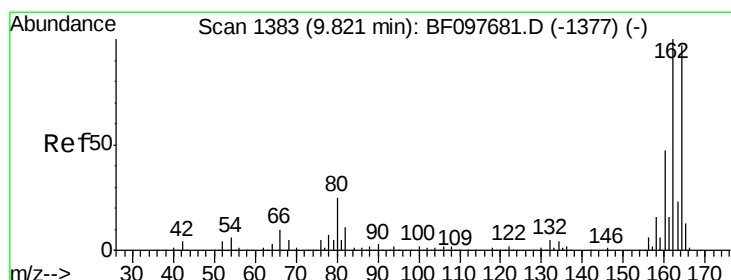
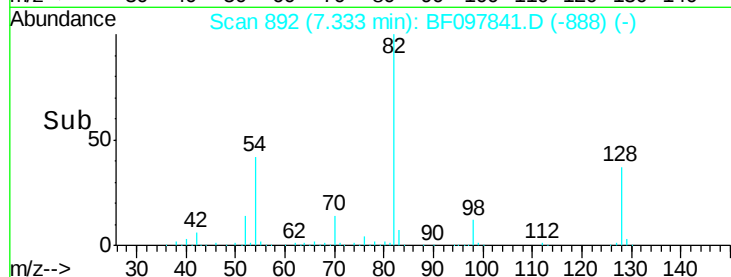
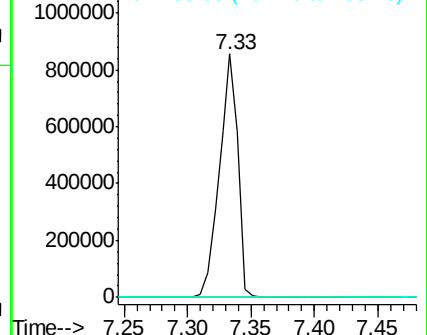
138 0.0 13.1 19.7#



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



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.80 min Scan# 1312

Delta R.T. -0.02 min

Lab File: BF097841.D

Acq: 18 Aug 2017 19:09

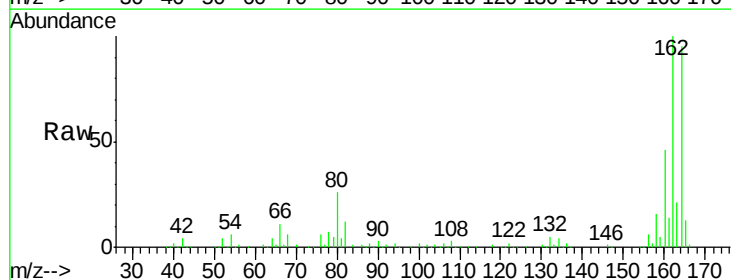
Tgt Ion: 164 Resp: 217462

Ion Ratio Lower Upper

164 100

162 104.7 82.6 123.8

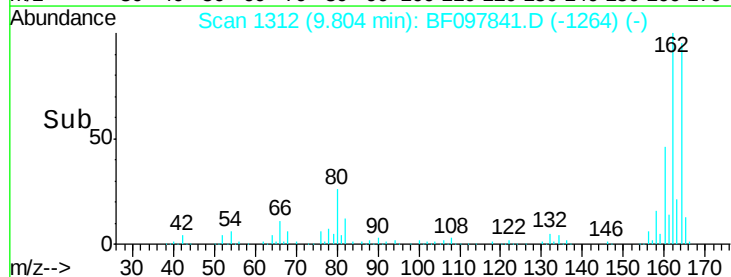
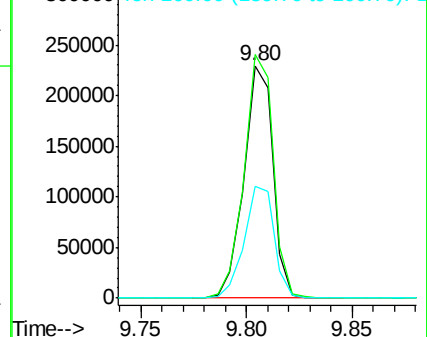
160 48.2 36.2 54.2

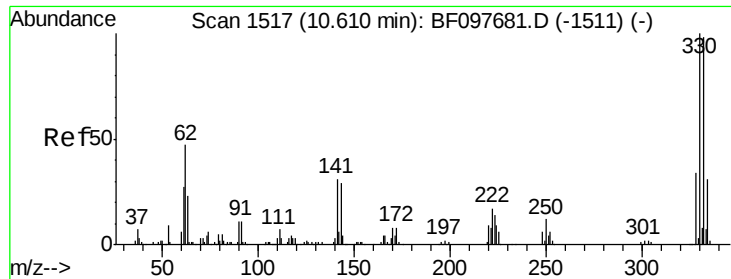


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

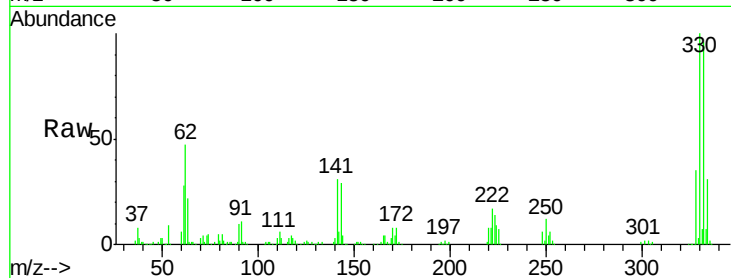




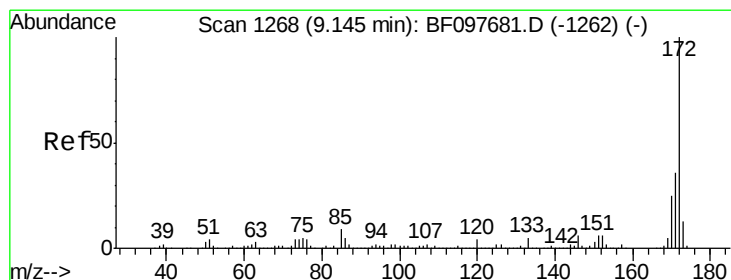
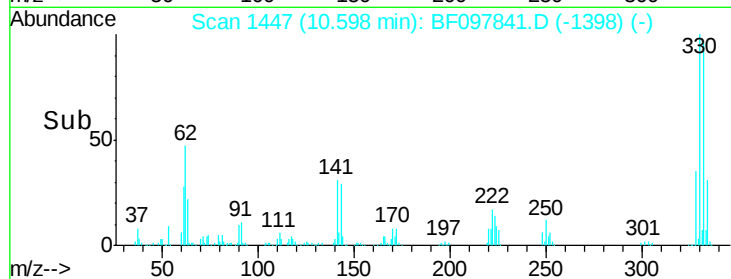
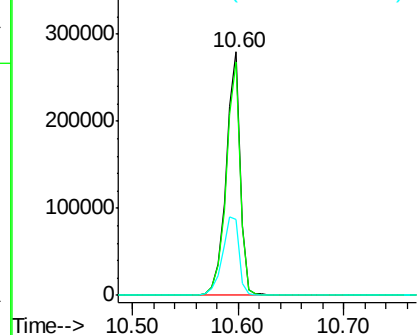
#41
 2,4,6-Tribromophenol
 Concen: 139.09 ng
 RT: 10.60 min Scan# 1447
 Delta R.T. -0.01 min
 Lab File: BF097841.D
 Acq: 18 Aug 2017 19:09

Instrument :
 BNA_F
 ClientSampleId :
 PB101579BL

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.8	76.6	115.0
141	38.5	31.4	47.2

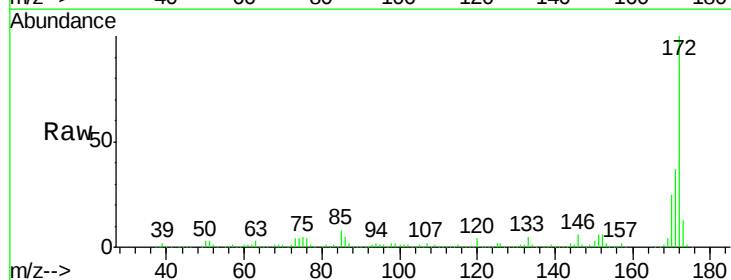


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

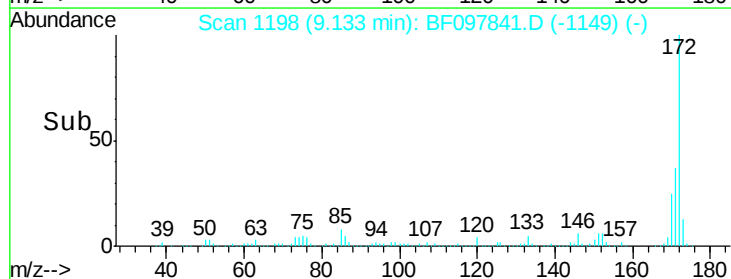
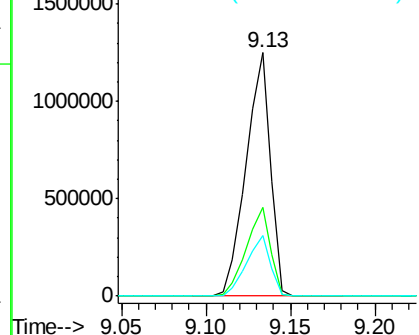


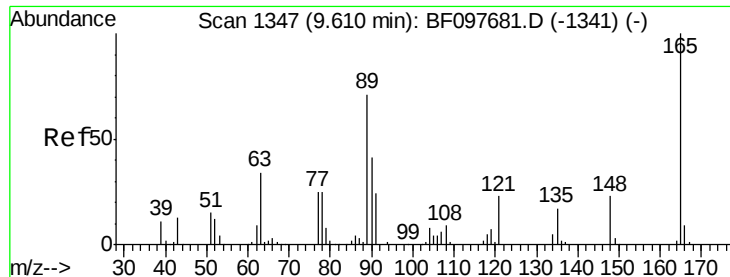
#44
 2-Fluorobiphenyl
 Concen: 85.33 ng
 RT: 9.13 min Scan# 1198
 Delta R.T. -0.01 min
 Lab File: BF097841.D
 Acq: 18 Aug 2017 19:09

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.6	44.4
170	24.9	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

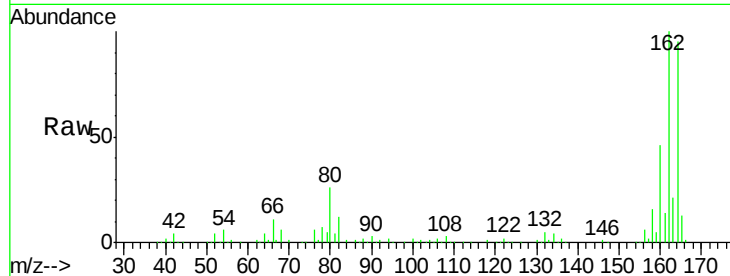




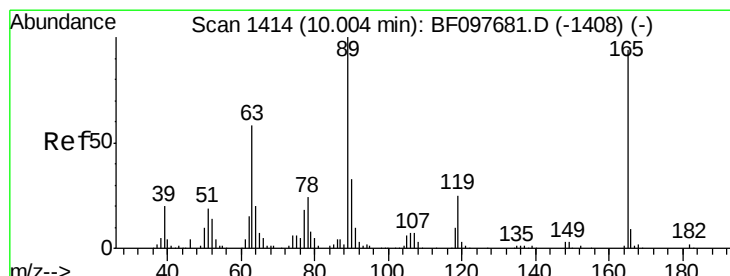
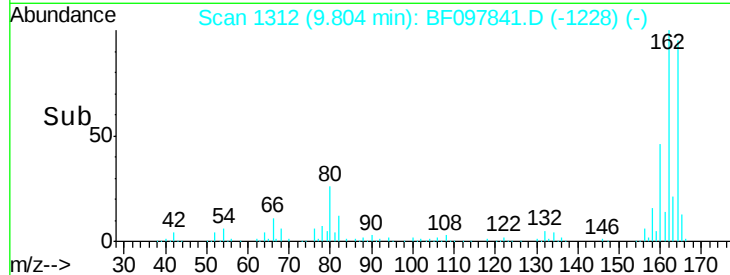
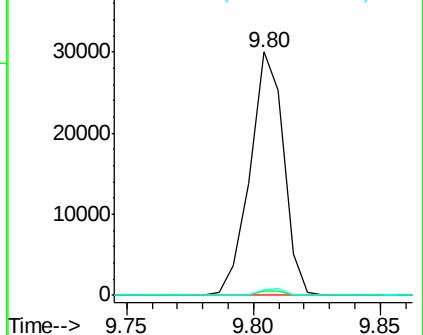
#50
 2,6-Dinitrotoluene
 Concen: 8.77 ng
 RT: 9.80 min Scan# 1312
 Delta R.T. 0.19 min
 Lab File: BF097841.D
 Acq: 18 Aug 2017 19:09

Instrument :
 BNA_F
 ClientSampleId :
 PB101579BL

Tot Ion	Ratio	Lower	Upper
165	100		
63	2.0	34.3	51.5#
89	2.3	37.1	55.7#



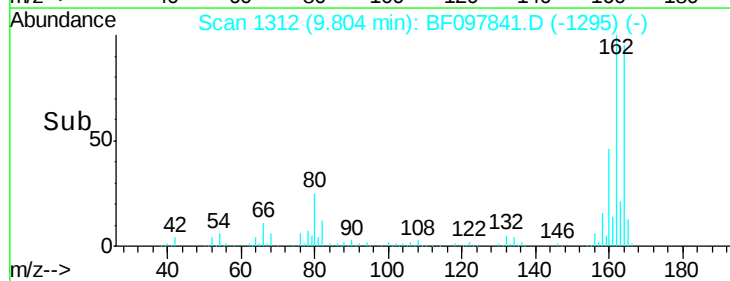
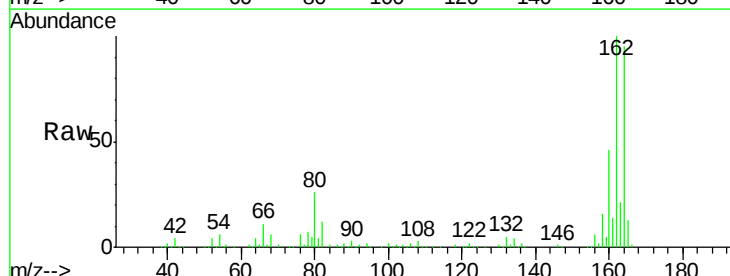
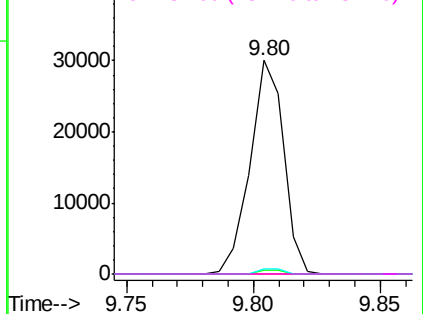
Abundance Ion 165.00 (164.70 to 165.70): E

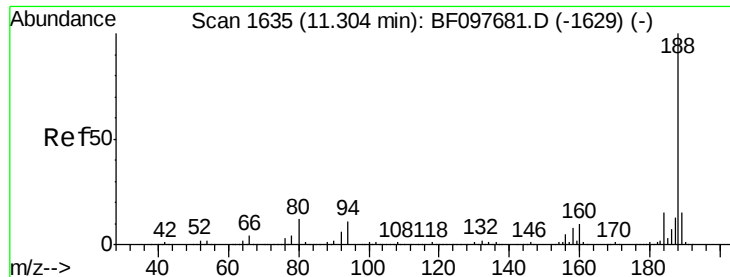


#56
 2,4-Dinitrotoluene
 Concen: 6.99 ng
 RT: 9.80 min Scan# 1312
 Delta R.T. -0.20 min
 Lab File: BF097841.D
 Acq: 18 Aug 2017 19:09

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.0	25.4	38.0#
89	2.3	46.4	69.6#
182	0.0	1.8	2.6#

Abundance Ion 165.00 (164.70 to 165.70): E

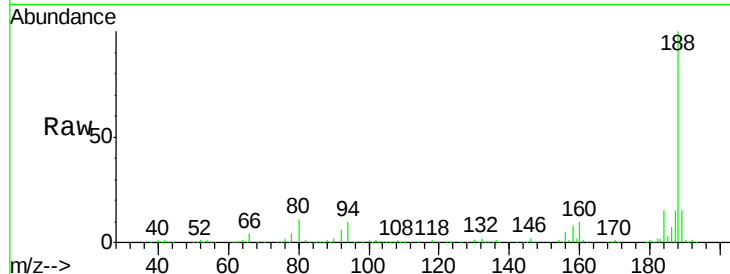




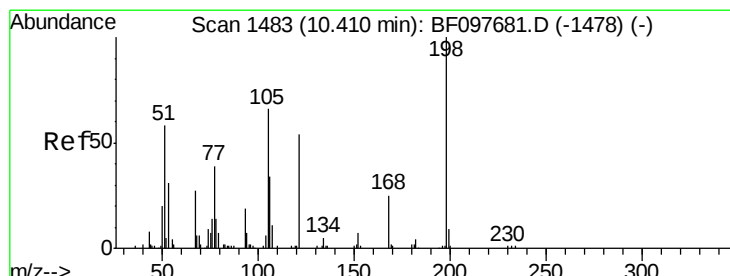
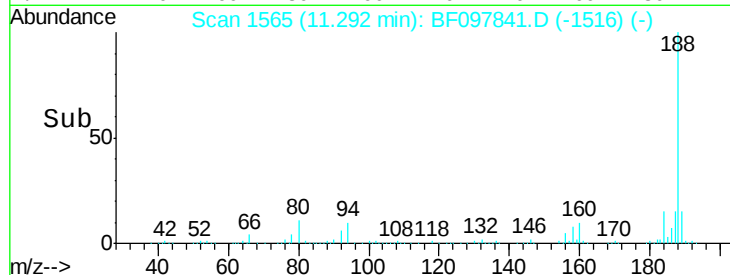
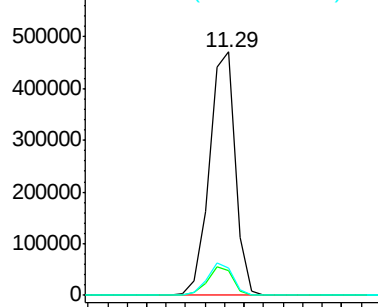
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.29 min Scan# 1565
Delta R.T. -0.01 min
Lab File: BF097841.D
Acq: 18 Aug 2017 19:09

Instrument :
BNA_F
ClientSampleId :
PB101579BL

Tot Ion:188 Resp: 435223
Ion Ratio Lower Upper
188 100
94 10.3 9.4 14.2
80 11.0 10.2 15.2

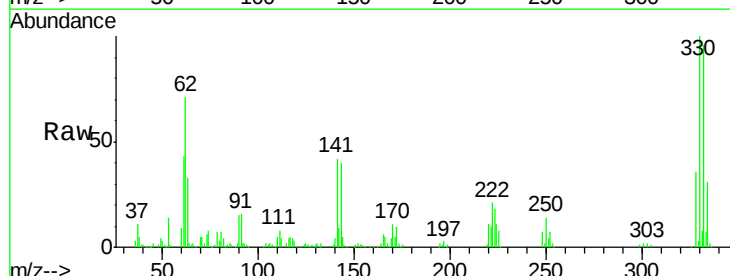


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

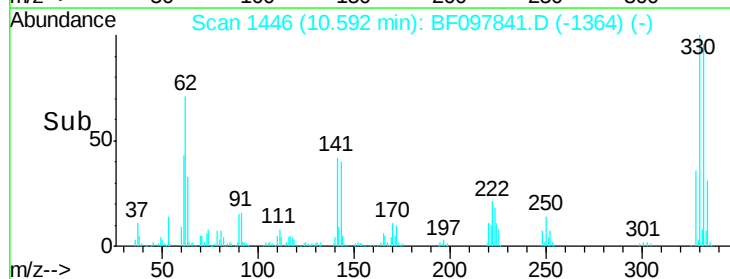
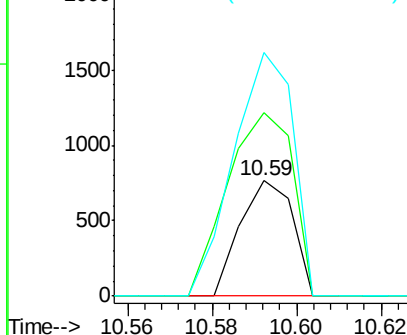


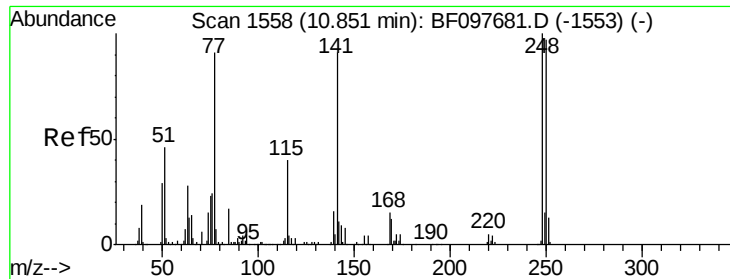
#64
4,6-Dinitro-2-methylphenol
Concen: 8.59 ng
RT: 10.59 min Scan# 1446
Delta R.T. 0.18 min
Lab File: BF097841.D
Acq: 18 Aug 2017 19:09

Tgt Ion:198 Resp: 663
Ion Ratio Lower Upper
198 100
51 159.5 53.2 93.2#
105 211.0 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

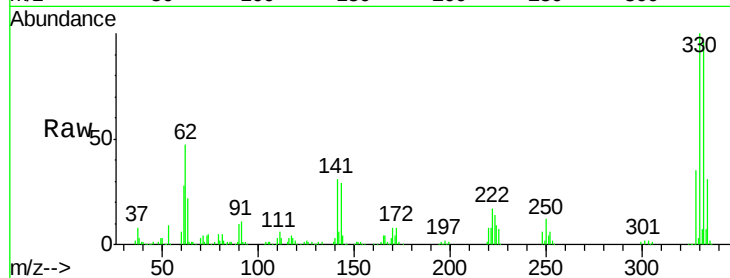




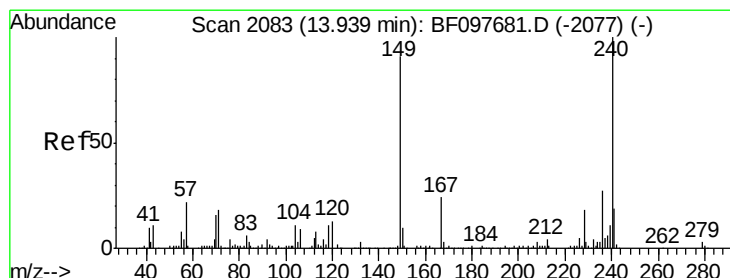
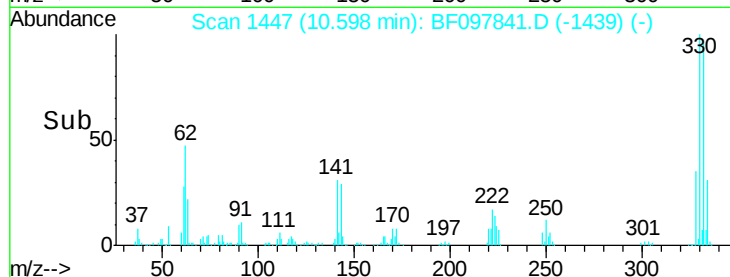
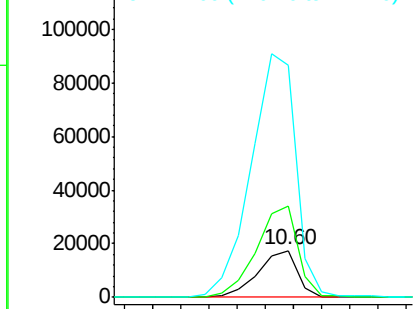
#66
 4-Bromophenyl-phenylether
 Concen: 3.78 ng
 RT: 10.60 min Scan# 1447
 Delta R.T. -0.25 min
 Lab File: BF097841.D
 Acq: 18 Aug 2017 19:09

Instrument :
 BNA_F
 ClientSampleId :
 PB101579BL

Tot Ion:248 Resp: 17065
 Ion Ratio Lower Upper
 248 100
 250 195.3 76.8 115.2#
 141 495.0 68.6 103.0#

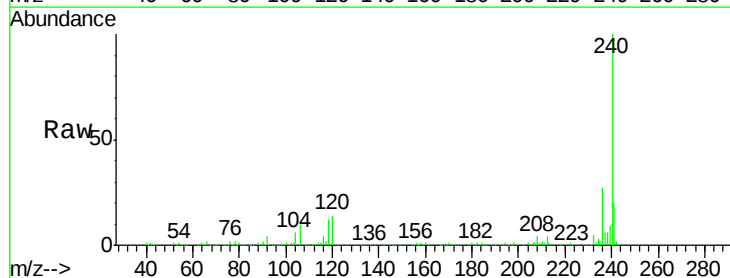


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

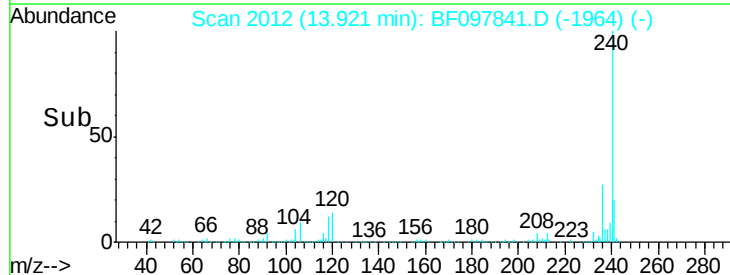
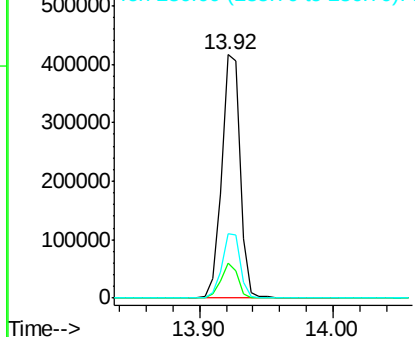


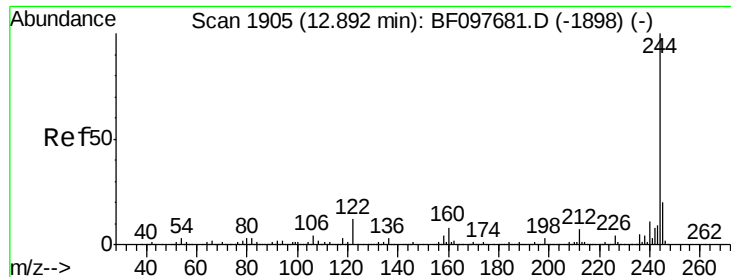
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.92 min Scan# 2012
 Delta R.T. -0.02 min
 Lab File: BF097841.D
 Acq: 18 Aug 2017 19:09

Tgt Ion:240 Resp: 410355
 Ion Ratio Lower Upper
 240 100
 120 14.5 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: 60.81 ng

RT: 12.88 min Scan# 1835

Delta R.T. -0.01 min

Lab File: BF097841.D

Acq: 18 Aug 2017 19:09

Instrument :

BNA_F

ClientSampleId :

PB101579BL

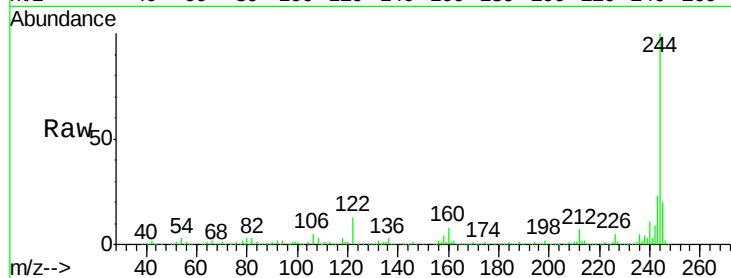
Tot Ion:244 Resp: 1196714

Ion Ratio Lower Upper

244 100

212 7.4 6.0 9.0

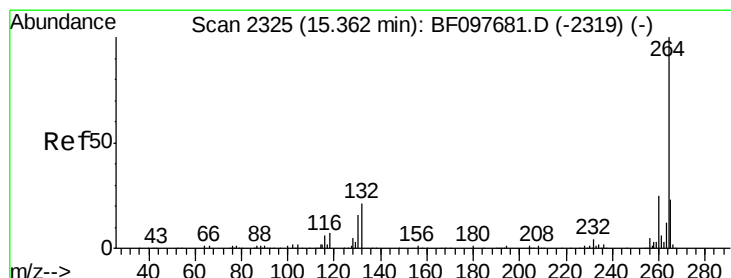
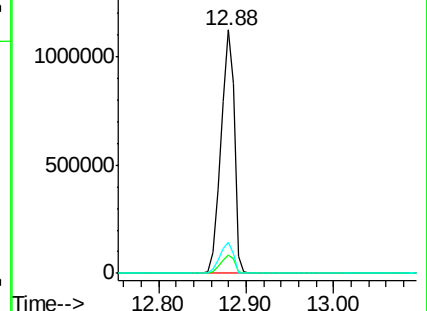
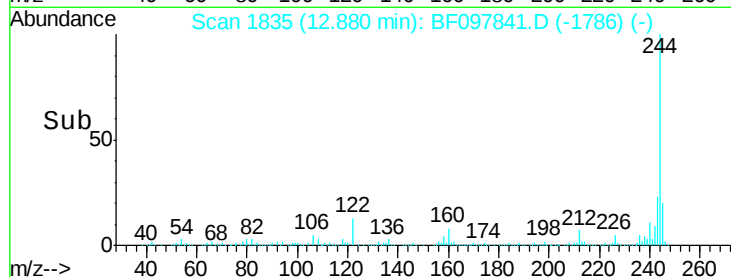
122 12.6 10.3 15.5



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: 15.36 min Scan# 2256

Delta R.T. -0.01 min

Lab File: BF097841.D

Acq: 18 Aug 2017 19:09

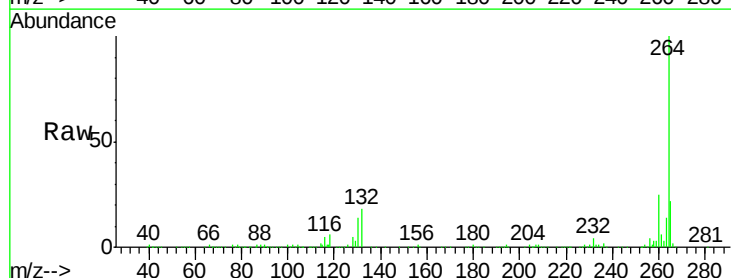
Tgt Ion:264 Resp: 352740

Ion Ratio Lower Upper

264 100

260 24.7 19.5 29.3

265 21.6 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

