

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072417\
 Data File : BF097009.D
 Acq On : 25 Jul 2017 2:22
 Operator : SJ/JU
 Sample : I4361-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 25 03:35:21 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF071317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 25 01:37:00 2017
 Response via : Initial Calibration

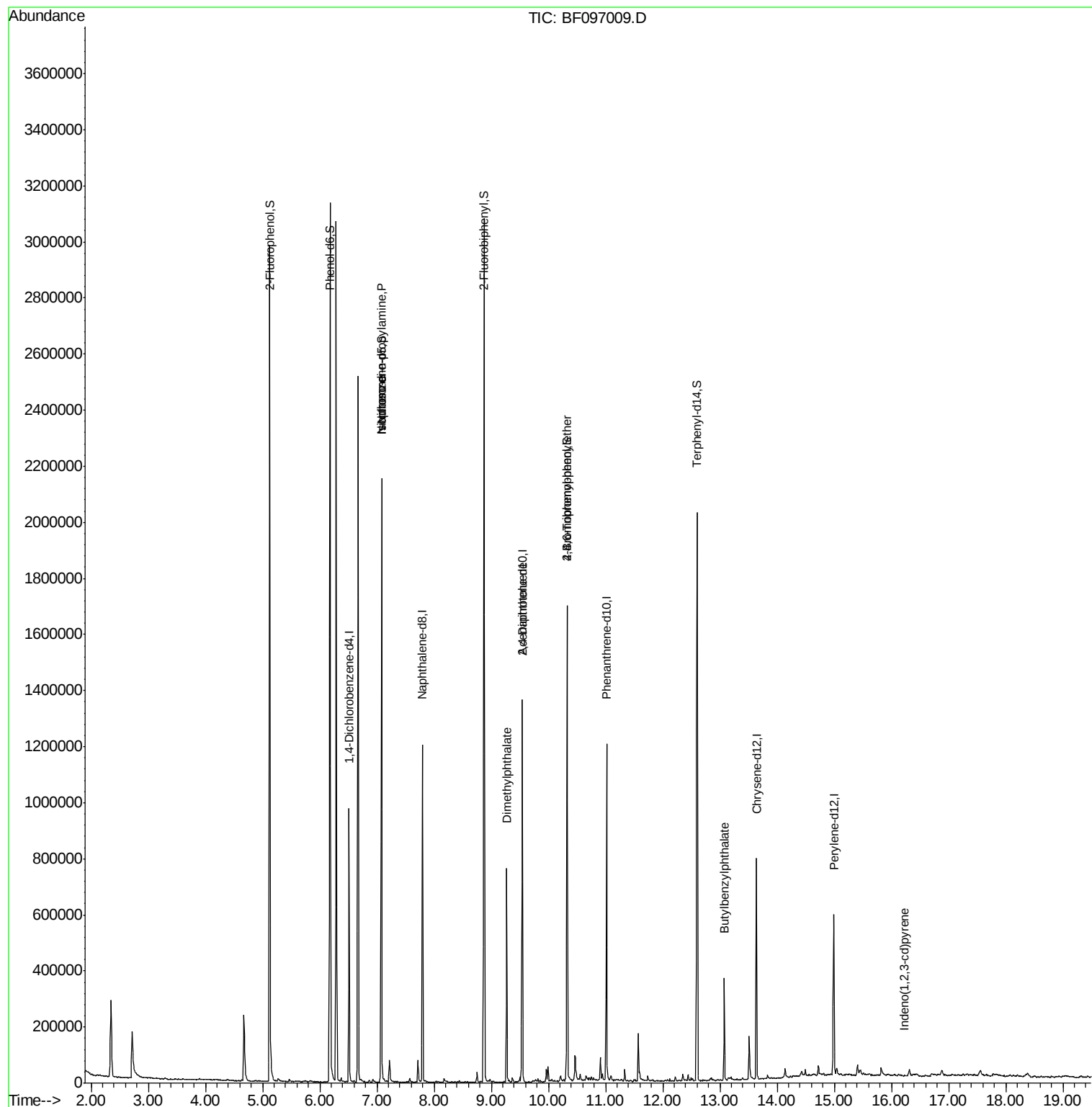
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.51	152	138932	20.00	ng	-0.03
21) Naphthalene-d8	7.79	136	575001	20.00	ng	-0.04
38) Acenaphthene-d10	9.54	164	265520	20.00	ng	-0.04
63) Phenanthrene-d10	11.02	188	408012	20.00	ng	-0.04
75) Chrysene-d12	13.64	240	275000	20.00	ng	-0.04
86) Perylene-d12	14.99	264	224558	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.12	112	915722	99.10	ng	-0.03
7) Phenol-d6	6.18	99	1113110	100.39	ng	-0.04
23) Nitrobenzene-d5	7.08	82	681108	73.37	ng	-0.04
41) 2,4,6-Tribromophenol	10.33	330	189745	83.72	ng	-0.04
44) 2-Fluorobiphenyl	8.87	172	1034962	61.58	ng	-0.04
78) Terphenyl-d14	12.60	244	657992	41.50	ng	-0.04
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.08	70	88842	13.30	ng	# 88
25) Isophorone	7.08	82	679033	39.32	ng	# 67
49) Dimethylphthalate	9.27	163	318455	15.93	ng	# 98
56) 2,4-Dinitrotoluene	9.54	165	33988	6.11	ng	# 33
66) 4-Bromophenyl-phenylether	10.33	248	12008	2.88	ng	# 1
79) Butylbenzylphthalate	13.07	149	86219	7.27	ng	# 77
85) Indeno(1,2,3-cd)pyrene	16.23	276	1103	3.40	ng	# 44

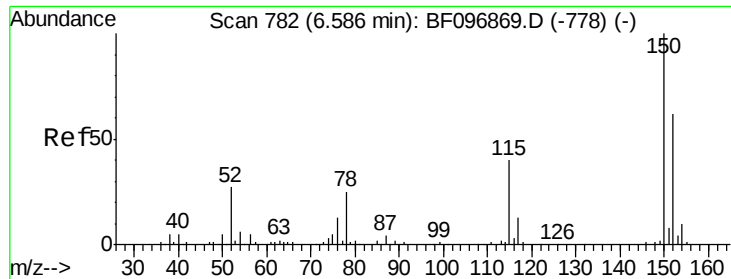
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.51 min Scan# 786

Delta R.T. -0.03 min

Lab File: BF097009.D

Acq: 25 Jul 2017 2:22

Instrument :

BNA_F

ClientSampleId :

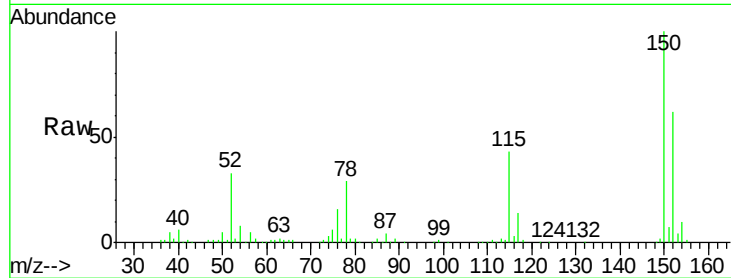
Tot Ion:152 Resp: 138932

Ion Ratio Lower Upper

152 100

150 162.6 126.2 189.2

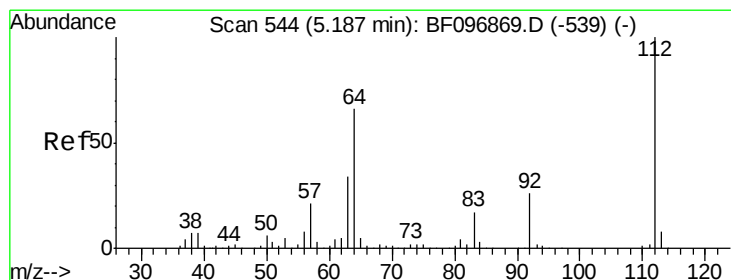
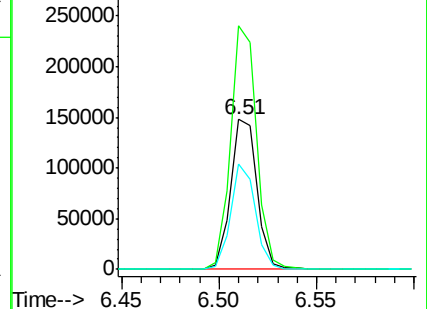
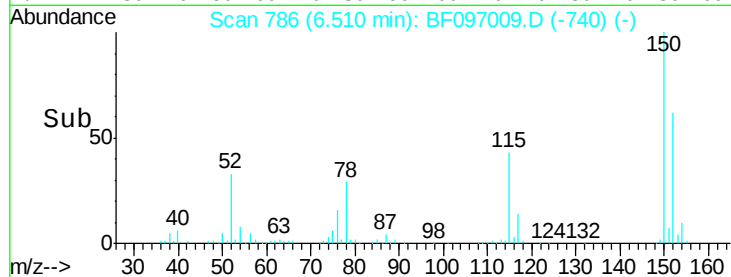
115 70.3 52.2 78.2



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: 99.10 ng

RT: 5.12 min Scan# 550

Delta R.T. -0.03 min

Lab File: BF097009.D

Acq: 25 Jul 2017 2:22

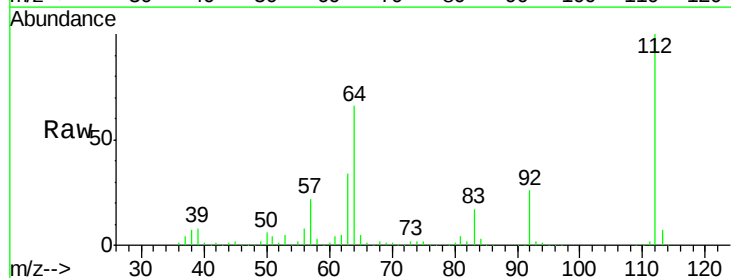
Tgt Ion:112 Resp: 915722

Ion Ratio Lower Upper

112 100

64 66.4 46.0 69.0

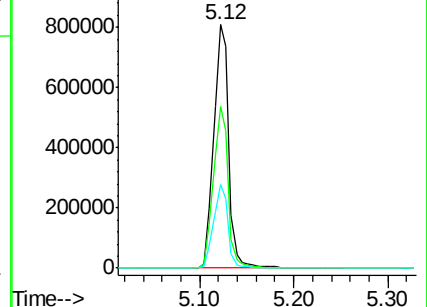
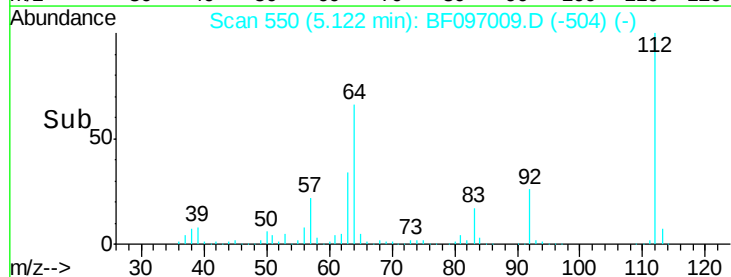
63 34.3 23.4 35.0

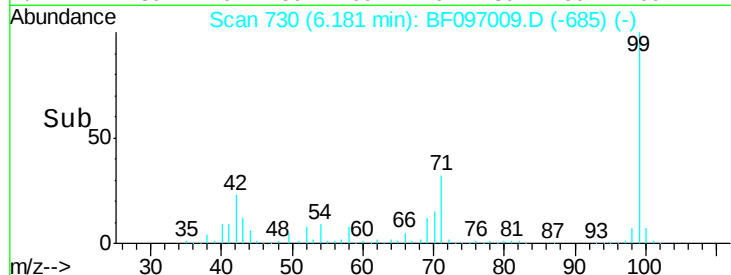
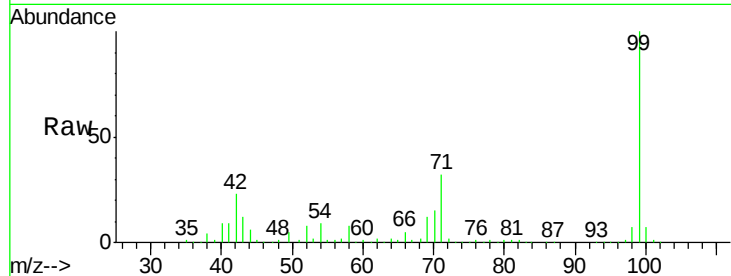
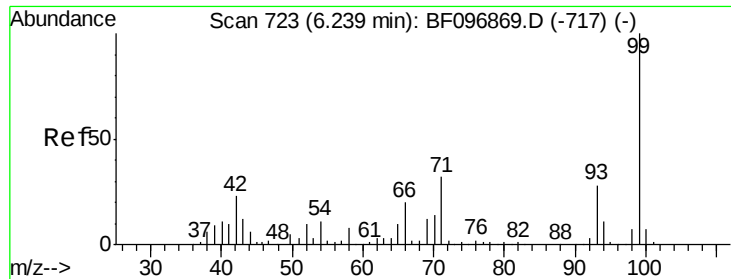


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 100.39 ng

RT: 6.18 min Scan# 730

Delta R.T. -0.04 min

Lab File: BF097009.D

Acq: 25 Jul 2017 2:22

Instrument :

BNA_F

ClientSampled :

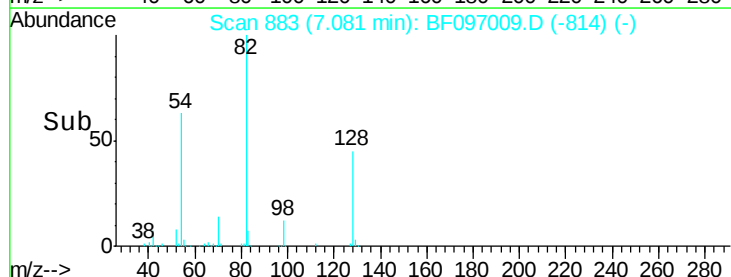
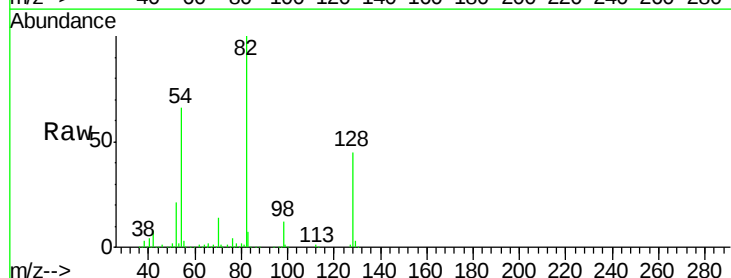
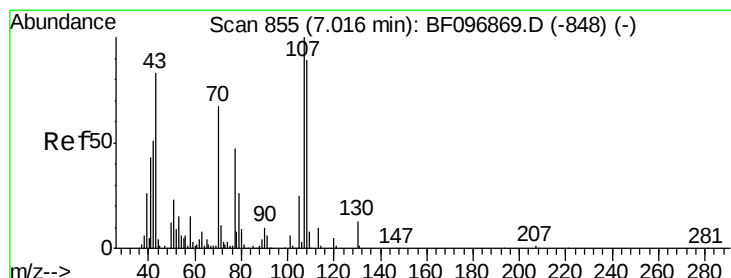
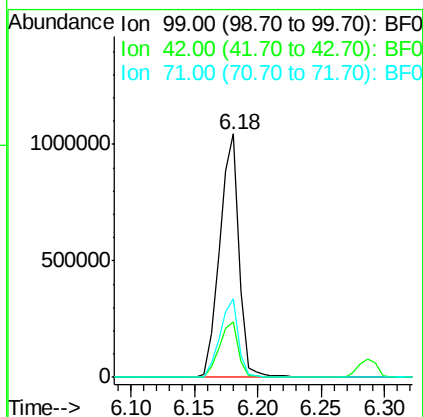
Tot Ion: 99 Resp: 1113110

Ion Ratio Lower Upper

99 100

42 23.0 13.5 20.3#

71 32.1 24.5 36.7



#19

n-Nitroso-di-n-propylamine

Concen: 13.30 ng

RT: 7.08 min Scan# 883

Delta R.T. 0.11 min

Lab File: BF097009.D

Acq: 25 Jul 2017 2:22

Tgt Ion: 70 Resp: 88842

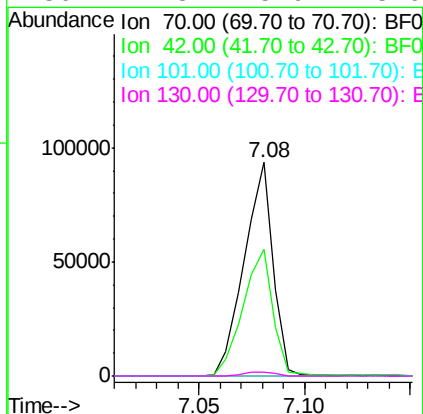
Ion Ratio Lower Upper

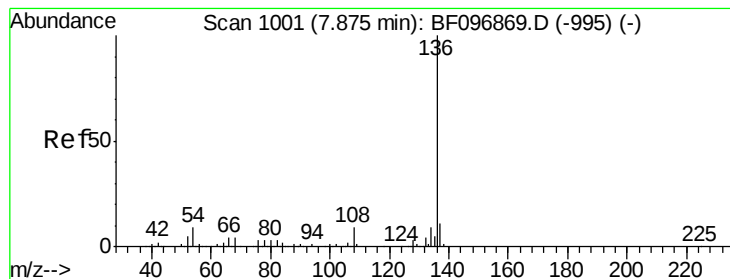
70 100

42 59.4 47.2 70.8

101 0.0 7.2 10.8#

130 1.8 15.9 23.9#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.79 min Scan# 1004

Delta R.T. -0.04 min

Lab File: BF097009.D

Acq: 25 Jul 2017 2:22

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 575001

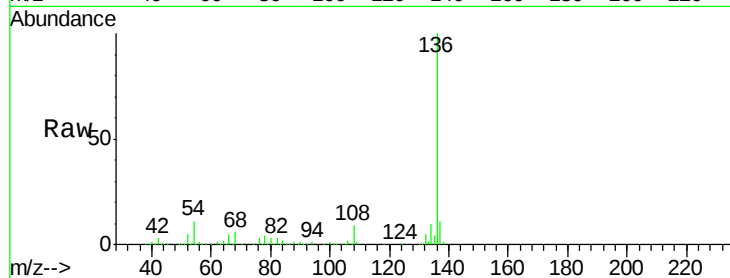
Ion Ratio Lower Upper

136 100

137 11.3 8.5 12.7

54 11.1 4.9 7.3#

68 6.3 4.1 6.1#

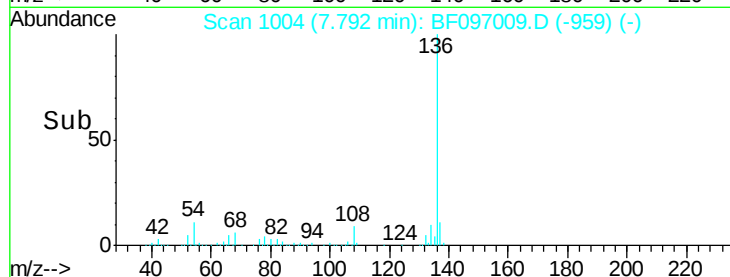


Abundance Ion 136.00 (135.70 to 136.70): E

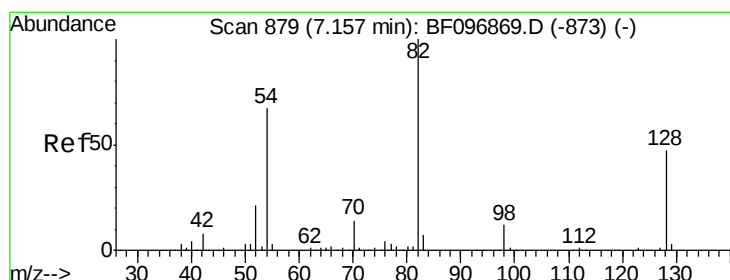
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time--> 7.70 7.80 7.90



#23

Nitrobenzene-d5

Concen: 73.37 ng

RT: 7.08 min Scan# 883

Delta R.T. -0.04 min

Lab File: BF097009.D

Acq: 25 Jul 2017 2:22

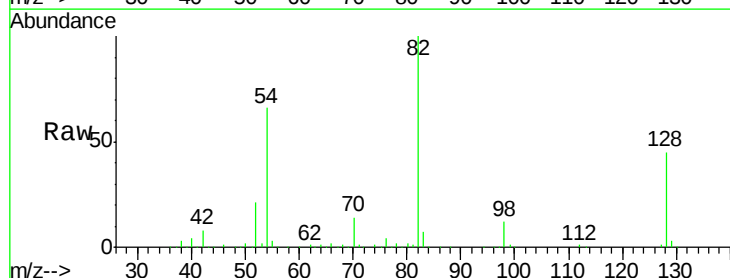
Tgt Ion: 82 Resp: 681108

Ion Ratio Lower Upper

82 100

128 44.7 34.0 51.0

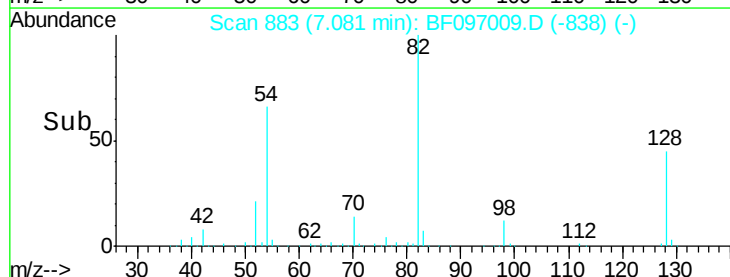
54 66.1 42.2 63.2#



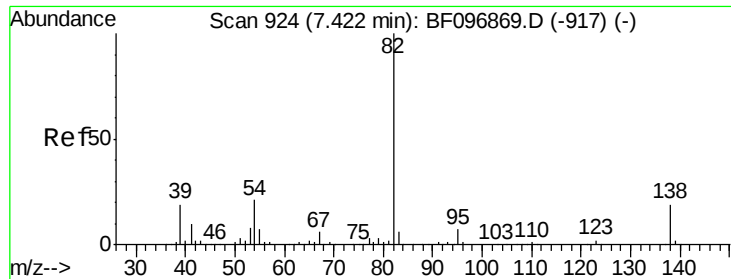
Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



Time--> 7.00 7.10 7.20



#25

Isophorone

Concen: 39.32 ng

RT: 7.08 min Scan# 883

Delta R.T. -0.29 min

Lab File: BF097009.D

Acq: 25 Jul 2017 2:22

Instrument :

BNA_F

ClientSampled :

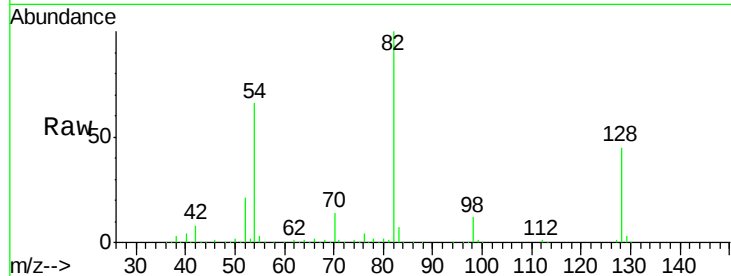
Tot Ion: 82 Resp: 679033

Ion Ratio Lower Upper

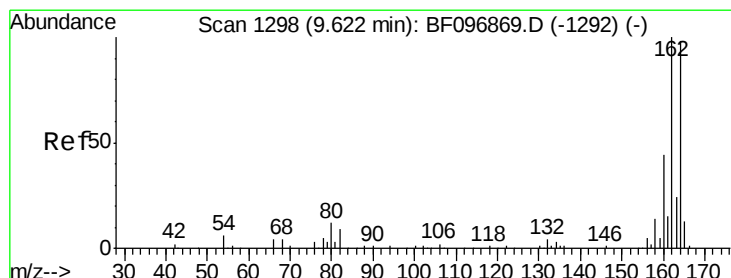
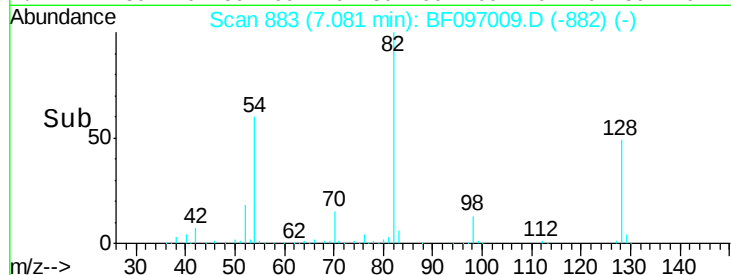
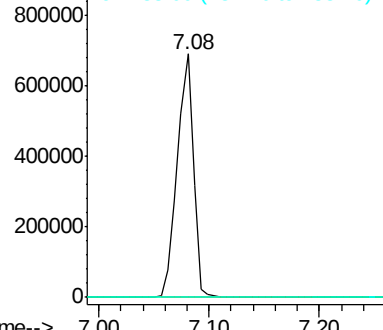
82 100

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: 9.54 min Scan# 1301

Delta R.T. -0.04 min

Lab File: BF097009.D

Acq: 25 Jul 2017 2:22

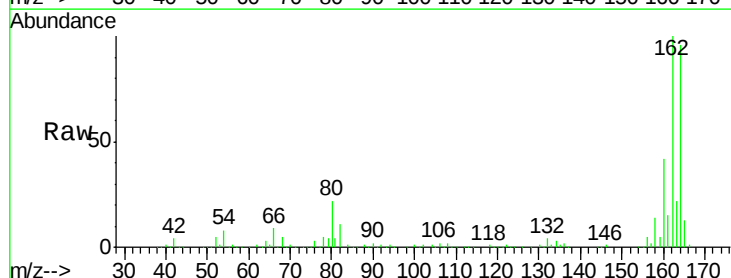
Tgt Ion: 164 Resp: 265520

Ion Ratio Lower Upper

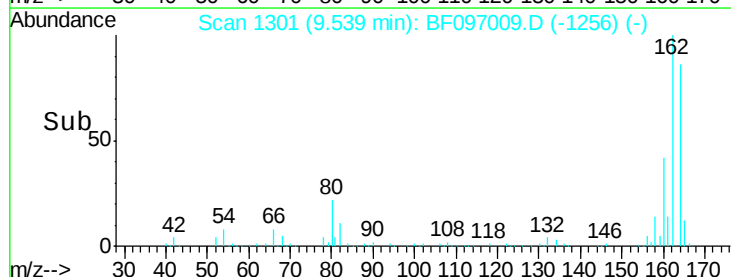
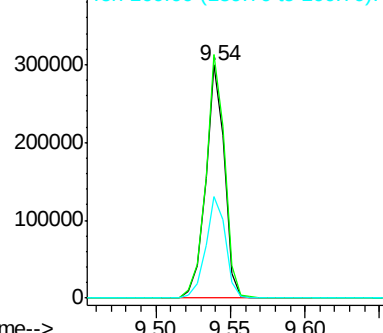
164 100

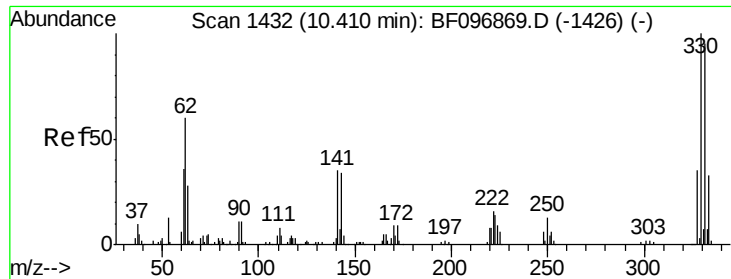
162 104.5 82.6 123.8

160 43.4 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

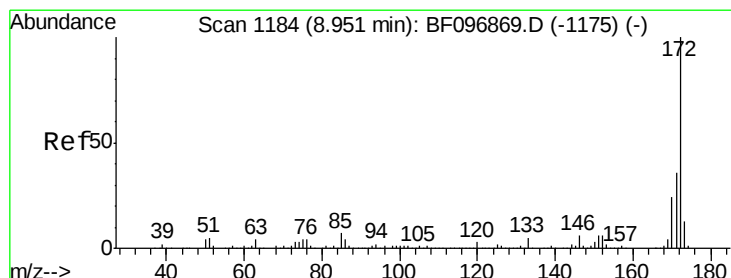
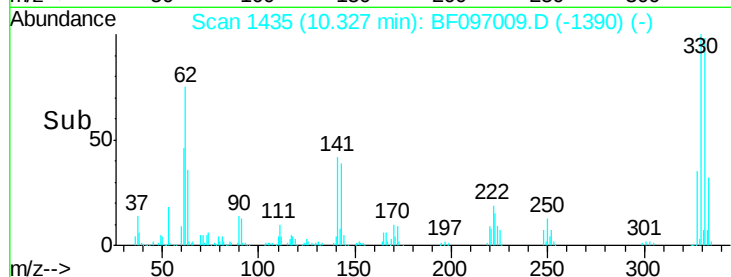
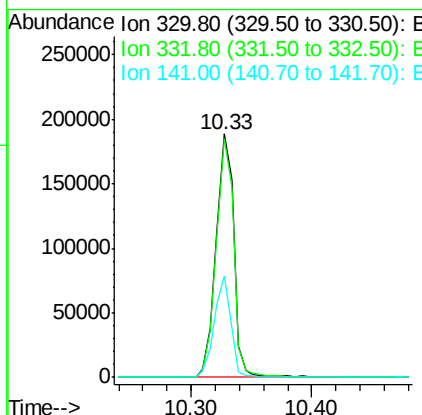
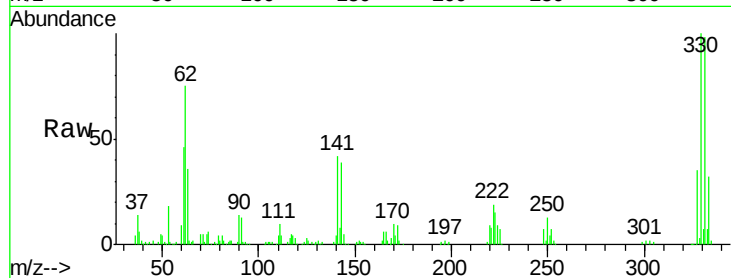




#41
 2,4,6-Tribromophenol
 Concen: 83.72 ng
 RT: 10.33 min Scan# 1435
 Delta R.T. -0.04 min
 Lab File: BF097009.D
 Acq: 25 Jul 2017 2:22

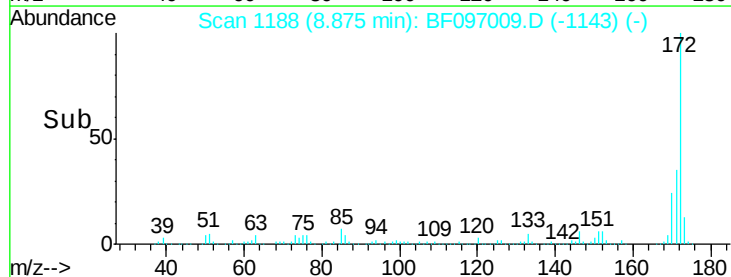
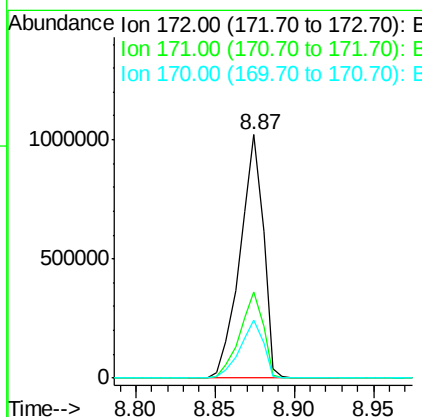
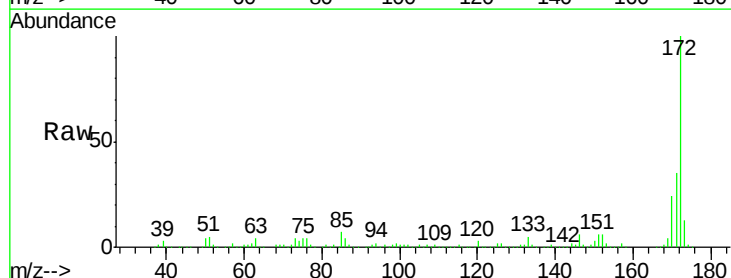
Instrument :
 BNA_F
 ClientSampled :

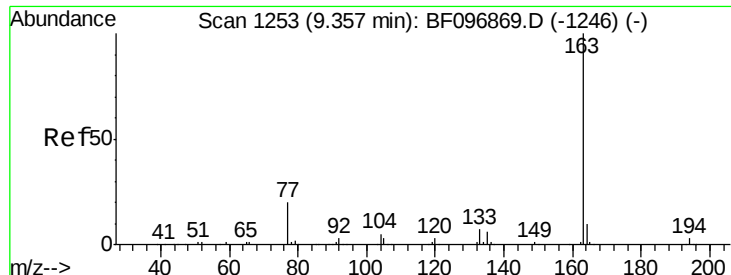
Tot Ion:330 Resp: 189745
 Ion Ratio Lower Upper
 330 100
 332 96.7 76.6 115.0
 141 38.9 31.4 47.2



#44
 2-Fluorobiphenyl
 Concen: 61.58 ng
 RT: 8.87 min Scan# 1188
 Delta R.T. -0.04 min
 Lab File: BF097009.D
 Acq: 25 Jul 2017 2:22

Tgt Ion:172 Resp: 1034962
 Ion Ratio Lower Upper
 172 100
 171 35.5 29.6 44.4
 170 24.0 19.8 29.8

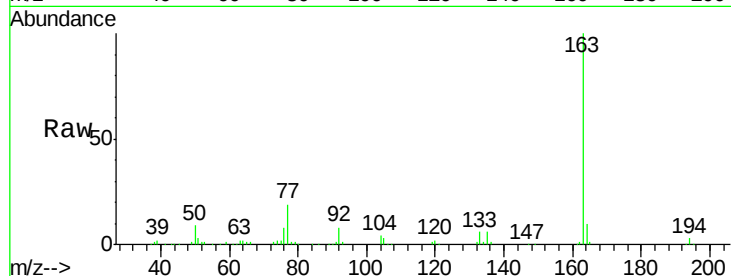




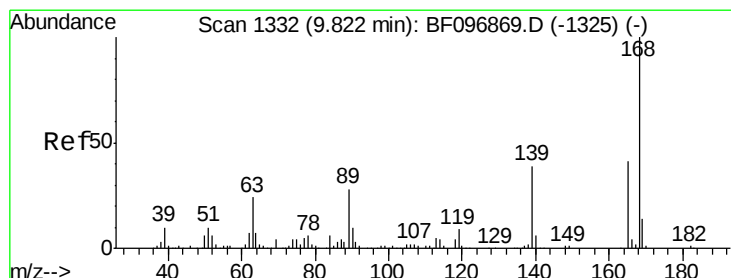
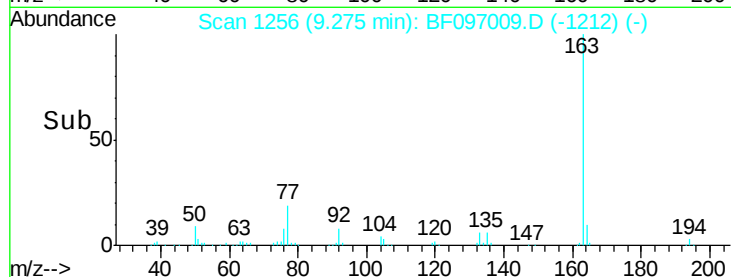
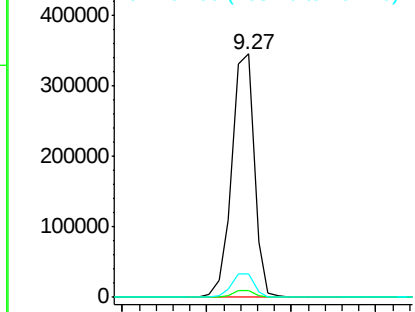
#49
Dimethylphthalate
Concen: 15.93 ng
RT: 9.27 min Scan# 1256
Delta R.T. -0.04 min
Lab File: BF097009.D
Acq: 25 Jul 2017 2:22

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.0	2.6	4.0
164	9.6	8.4	12.6

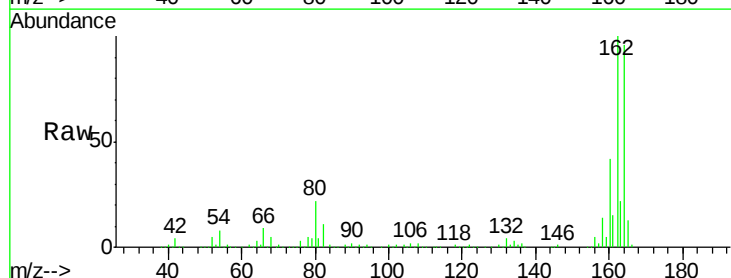


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

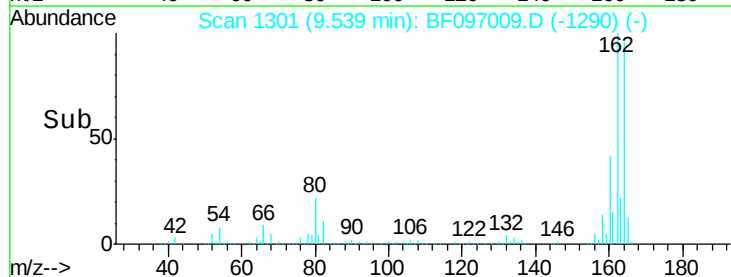
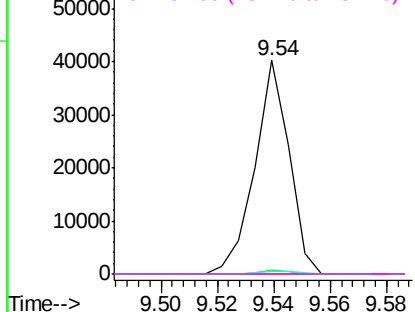


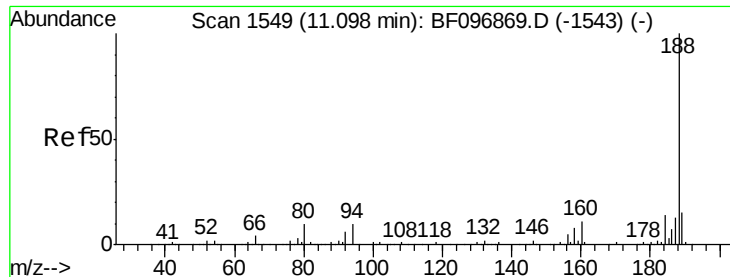
#56
2,4-Dinitrotoluene
Concen: 6.11 ng
RT: 9.54 min Scan# 1301
Delta R.T. -0.24 min
Lab File: BF097009.D
Acq: 25 Jul 2017 2:22

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.9	25.4	38.0#
89	1.4	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





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.02 min Scan# 1552

Delta R.T. -0.04 min

Lab File: BF097009.D

Acq: 25 Jul 2017 2:22

Instrument :

BNA_F

ClientSampleId :

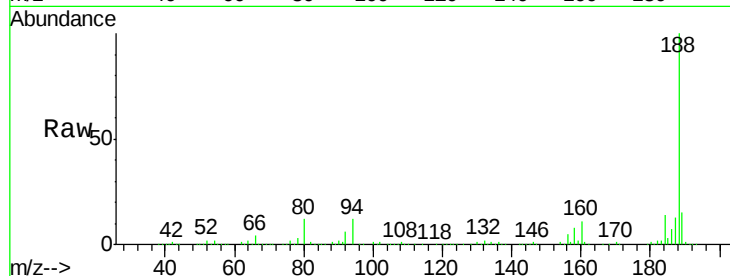
Tot Ion:188 Resp: 408012

Ion Ratio Lower Upper

188 100

94 11.5 9.4 14.2

80 11.7 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

600000

500000

400000

300000

200000

100000

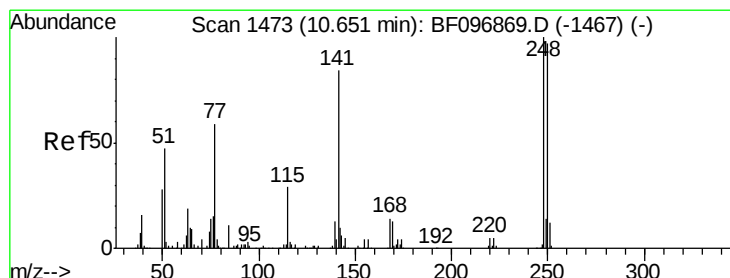
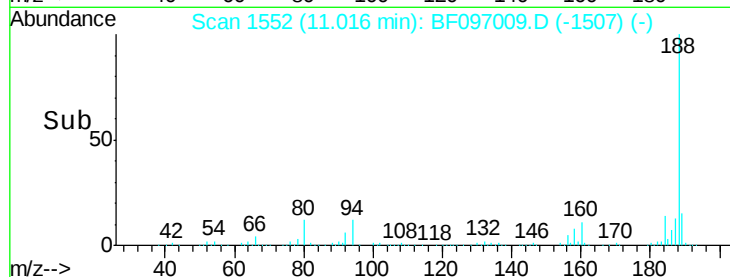
0

11.02

10.95

11.05

Time-->



#66

4-Bromophenyl-phenylether

Concen: 2.88 ng

RT: 10.33 min Scan# 1435

Delta R.T. -0.28 min

Lab File: BF097009.D

Acq: 25 Jul 2017 2:22

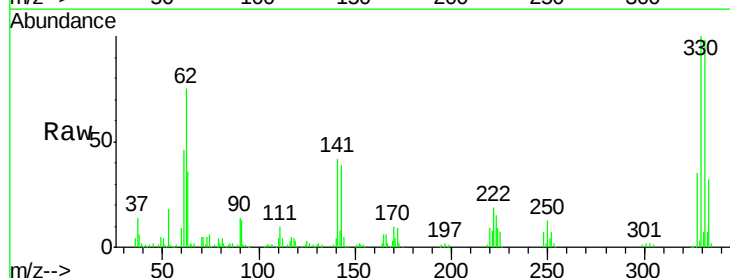
Tgt Ion:248 Resp: 12008

Ion Ratio Lower Upper

248 100

250 193.9 76.8 115.2#

141 627.0 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

100000

80000

60000

40000

20000

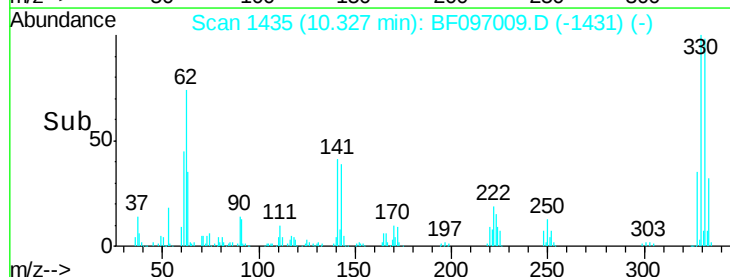
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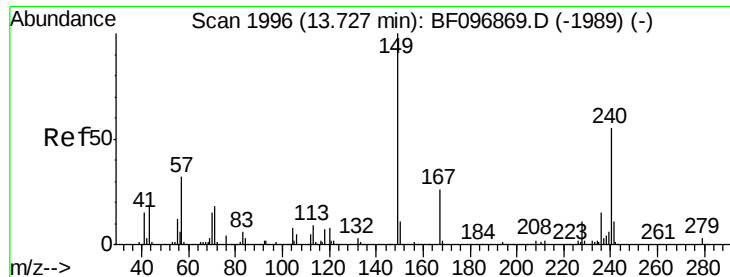
10.33

10.30

10.35

Time-->





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.64 min Scan# 1998

Delta R.T. -0.04 min

Lab File: BF097009.D

Acq: 25 Jul 2017 2:22

Instrument :

BNA_F

ClientSampleId :

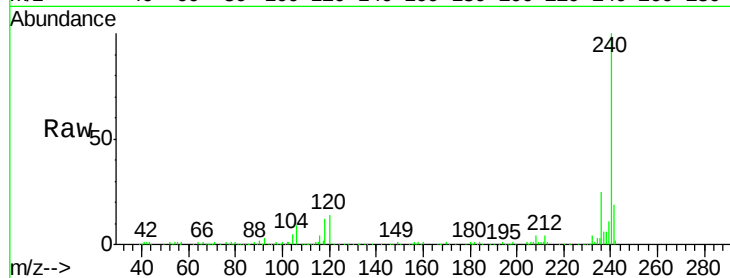
Tot Ion:240 Resp: 275000

Ion Ratio Lower Upper

240 100

120 14.1 5.8 8.8#

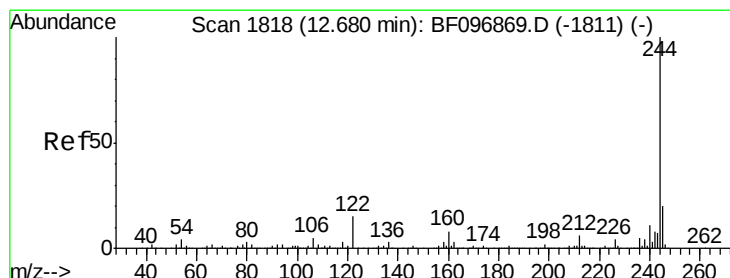
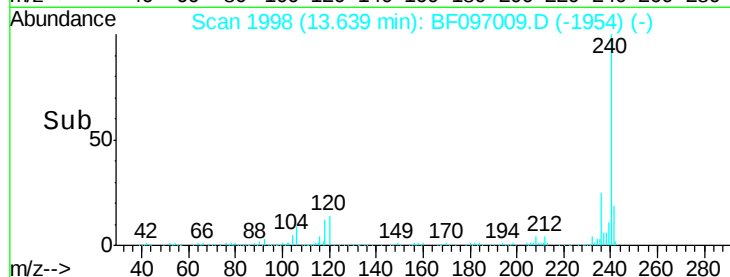
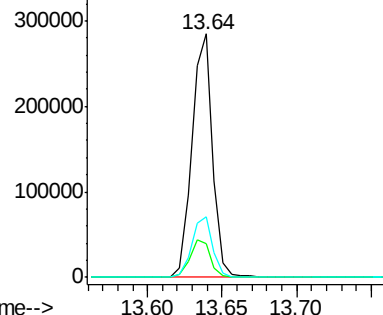
236 25.0 20.5 30.7



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: 41.50 ng

RT: 12.60 min Scan# 1821

Delta R.T. -0.04 min

Lab File: BF097009.D

Acq: 25 Jul 2017 2:22

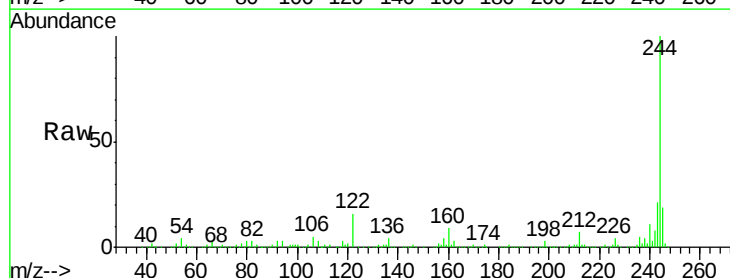
Tgt Ion:244 Resp: 657992

Ion Ratio Lower Upper

244 100

212 7.2 6.0 9.0

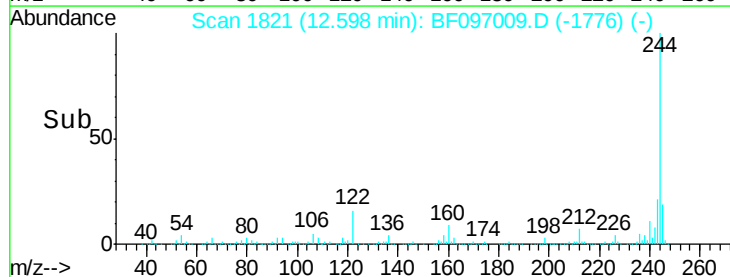
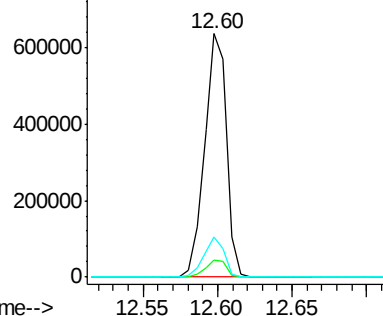
122 16.2 10.3 15.5#

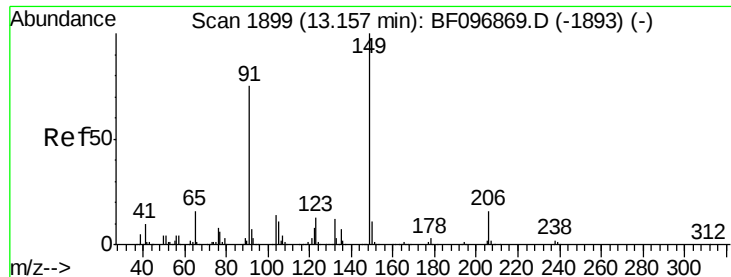


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#79

Butylbenzylphthalate

Concen: 7.27 ng

RT: 13.07 min Scan# 1902

Delta R.T. -0.04 min

Lab File: BF097009.D

Acq: 25 Jul 2017 2:22

Instrument :

BNA_F

ClientSampleId :

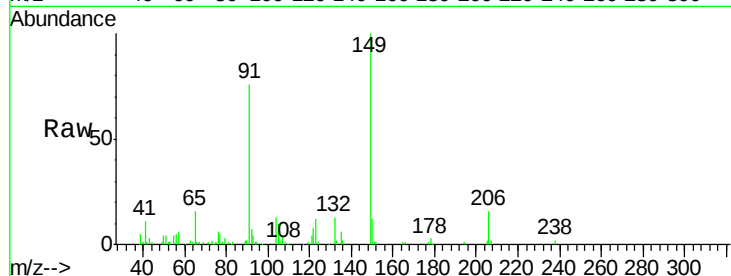
Tot Ion:149 Resp: 86219

Ion Ratio Lower Upper

149 100

91 76.3 45.0 67.4#

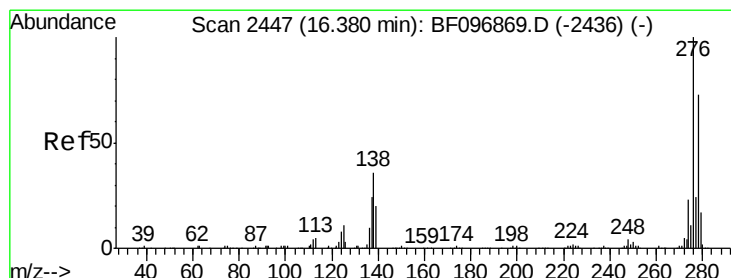
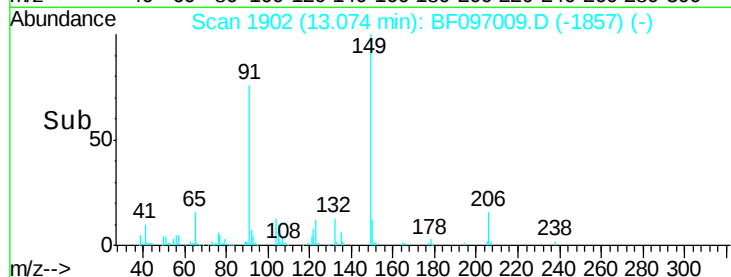
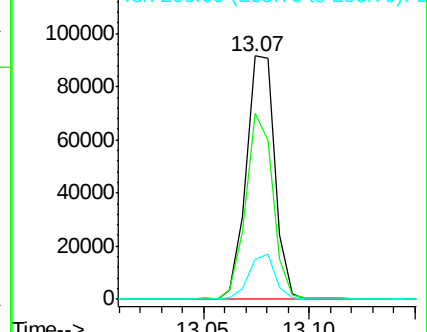
206 16.4 17.0 25.6#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 3.40 ng

RT: 16.23 min Scan# 2438

Delta R.T. -0.07 min

Lab File: BF097009.D

Acq: 25 Jul 2017 2:22

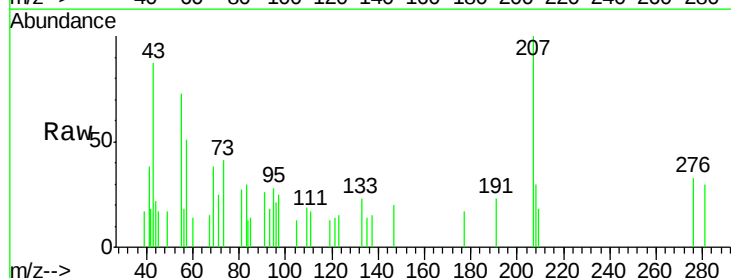
Tgt Ion:276 Resp: 1103

Ion Ratio Lower Upper

276 100

138 0.0 27.8 41.6#

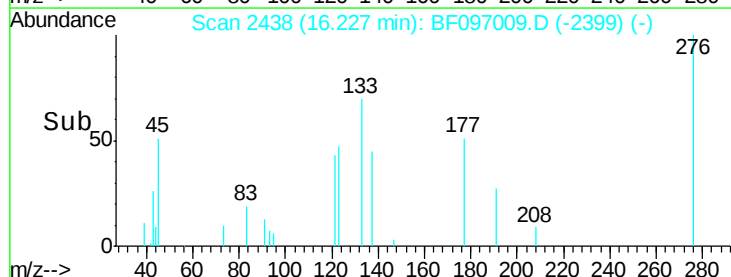
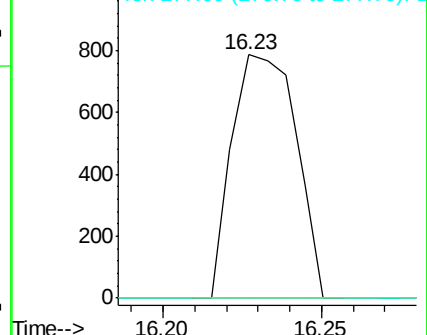
277 0.0 20.2 30.4#

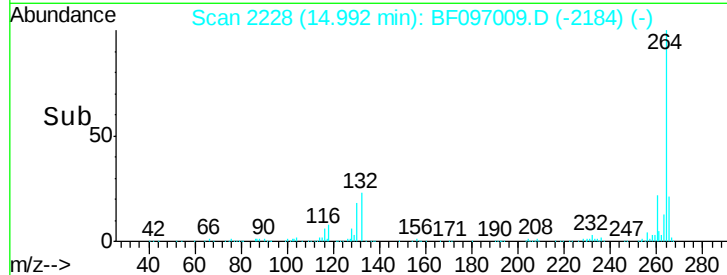
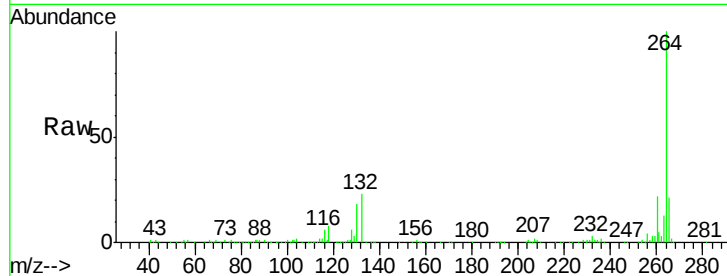
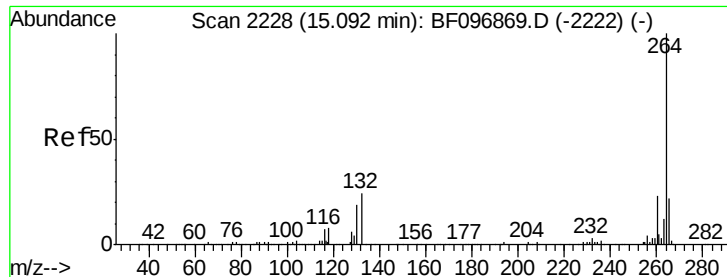


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#86
Pervlene-d12
Concen: 20.00 ng
RT: 14.99 min Scan# 2228
Delta R.T. -0.04 min
Lab File: BF097009.D
Acq: 25 Jul 2017 2:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.5	19.5	29.3
265	20.8	17.2	25.8

