

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072617\
 Data File : BF097092.D
 Acq On : 26 Jul 2017 23:05
 Operator : SJ/JU
 Sample : I4402-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 27 08:20:12 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 25 14:11:51 2017
 Response via : Initial Calibration

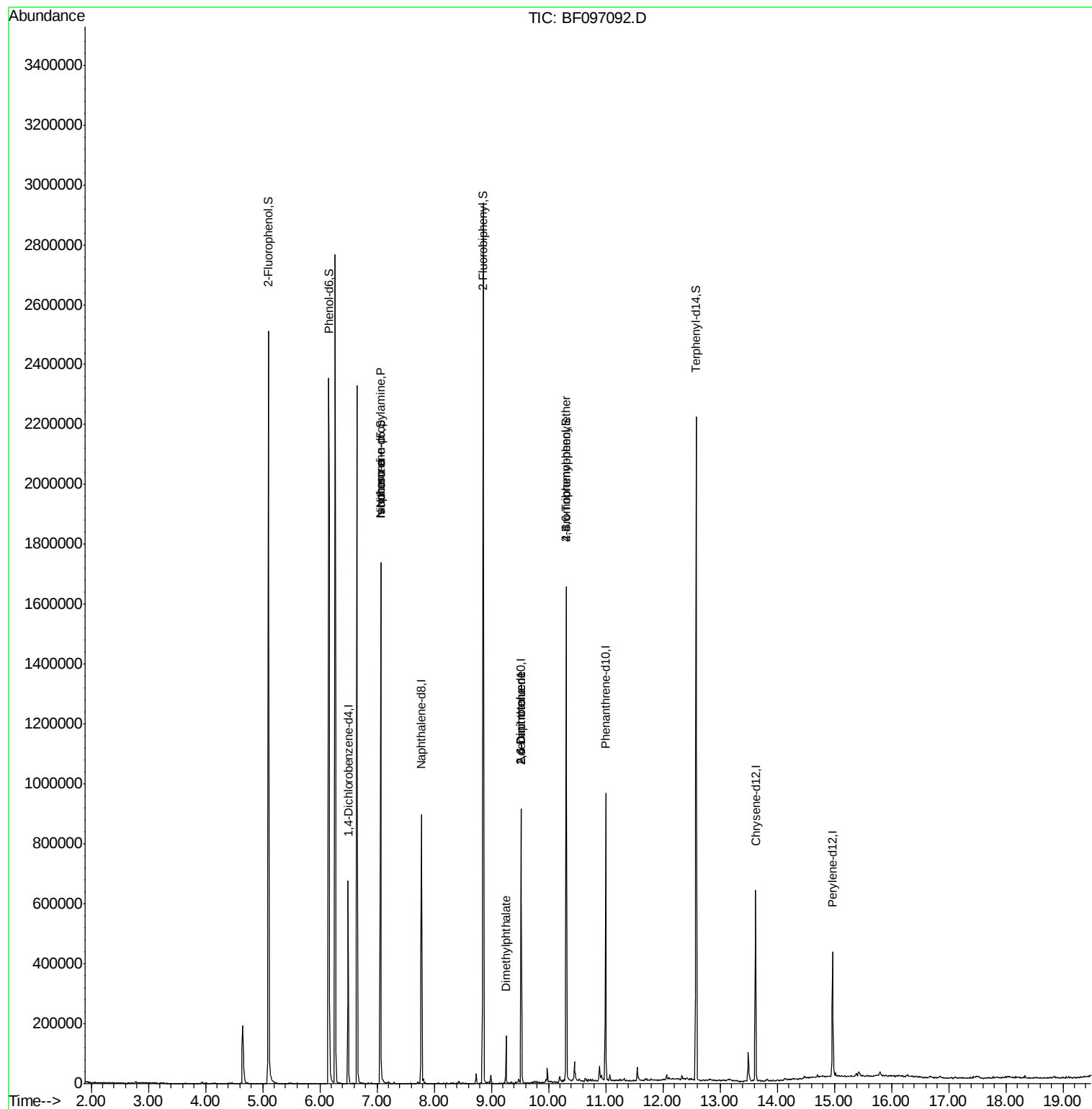
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.49	152	97647	20.00	ng	0.00
21) Naphthalene-d8	7.77	136	411504	20.00	ng	-0.01
38) Acenaphthene-d10	9.52	164	175695	20.00	ng	-0.01
63) Phenanthrene-d10	11.00	188	330994	20.00	ng	0.00
75) Chrysene-d12	13.62	240	198357	20.00	ng	0.00
86) Perylene-d12	14.97	264	169558	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.10	112	746160	115.19	ng	0.00
7) Phenol-d6	6.16	99	907980	122.79	ng	-0.01
23) Nitrobenzene-d5	7.06	82	529912	75.54	ng	-0.01
41) 2,4,6-Tribromophenol	10.31	330	179488	129.30	ng	-0.01
44) 2-Fluorobiphenyl	8.86	172	1005964	97.17	ng	-0.01
78) Terphenyl-d14	12.59	244	729529	74.99	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.06	70	71143	14.616	ng	# 88
25) Isophorone	7.06	82	526023	38.292	ng	# 67
49) Dimethylphthalate	9.26	163	62462	4.682	ng	# 97
50) 2,6-Dinitrotoluene	9.52	165	22062	7.796	ng	# 34
56) 2,4-Dinitrotoluene	9.52	165	22062	6.782	ng	# 33
66) 4-Bromophenyl-phenylether	10.31	248	11416	3.456	ng	# 1

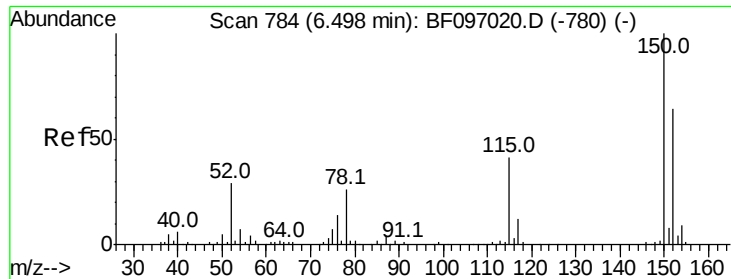
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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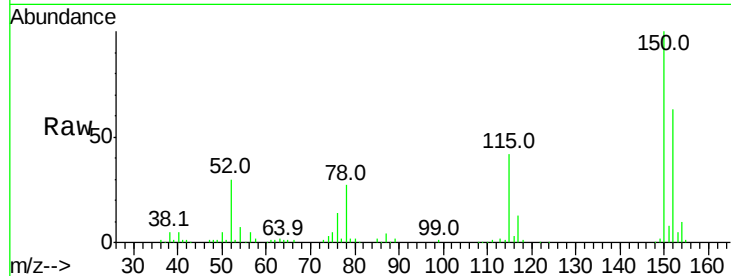


#1

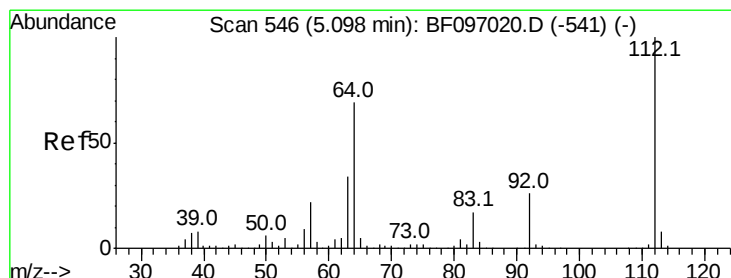
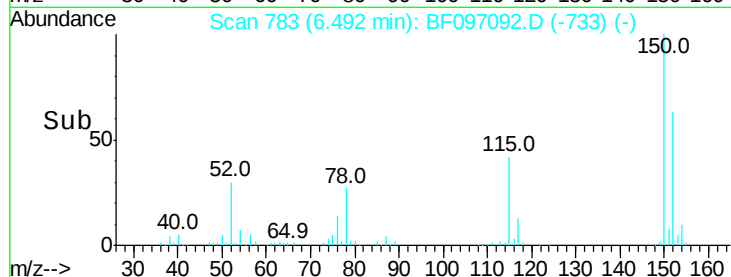
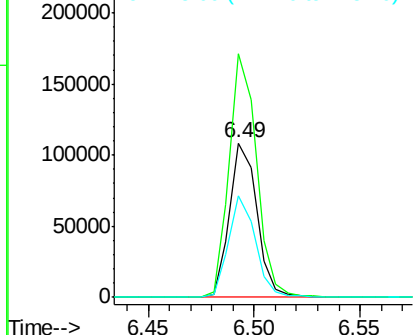
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.49 min Scan# 783
 Delta R.T. -0.01 min
 Lab File: BF097092.D
 Acq: 26 Jul 2017 23:05

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 97647
 Ion Ratio Lower Upper
 152 100
 150 157.9 126.2 189.2
 115 65.9 52.2 78.2



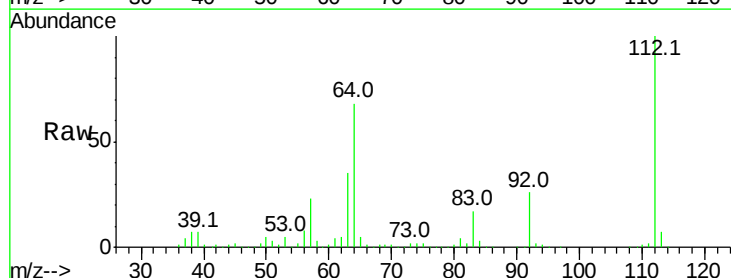
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



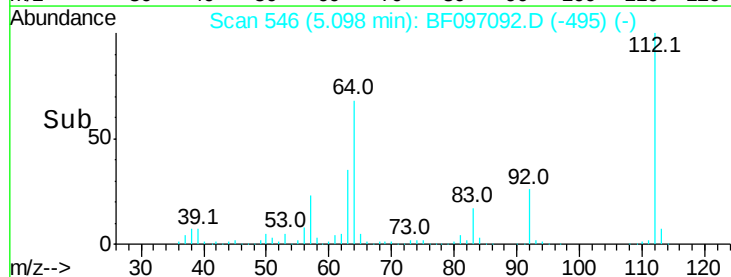
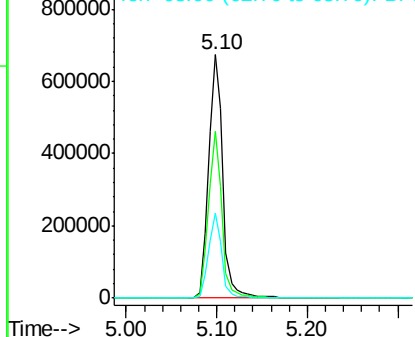
#5

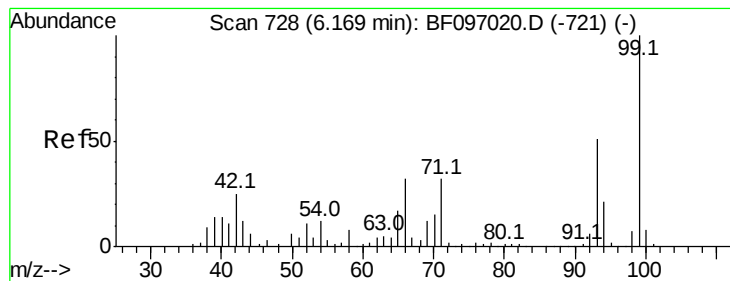
2-Fluorophenol
 Concen: 115.193 ng
 RT: 5.10 min Scan# 546
 Delta R.T. 0.00 min
 Lab File: BF097092.D
 Acq: 26 Jul 2017 23:05

Tgt Ion:112 Resp: 746160
 Ion Ratio Lower Upper
 112 100
 64 68.4 46.0 69.0
 63 34.8 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: 122.786 ng

RT: 6.16 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF097092.D

Acq: 26 Jul 2017 23:05

Instrument :

BNA_F

ClientSampled :

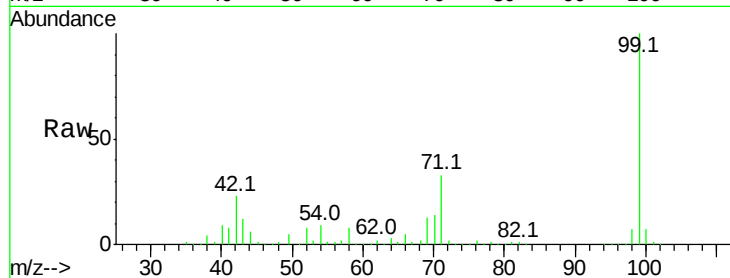
Tot Ion: 99 Resp: 907980

Ion Ratio Lower Upper

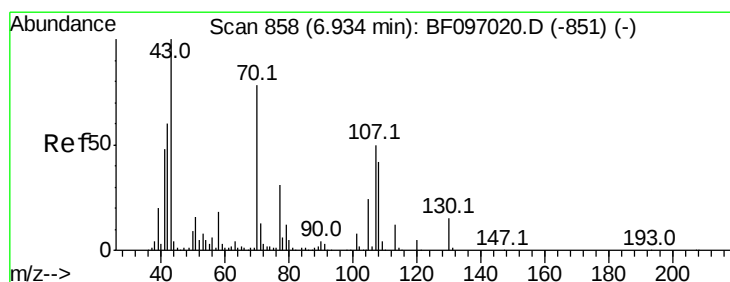
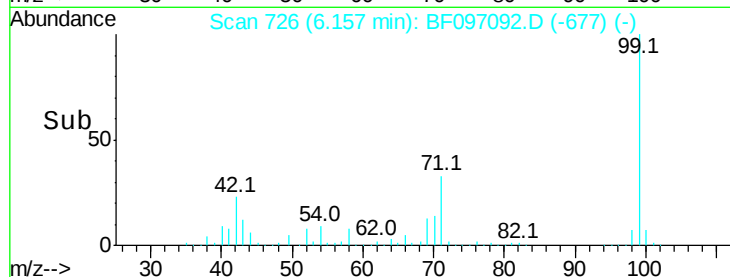
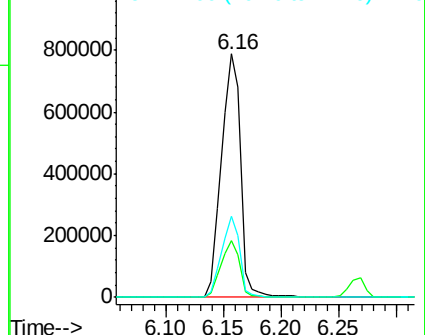
99 100

42 23.3 13.5 20.3#

71 33.1 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: 14.616 ng

RT: 7.06 min Scan# 880

Delta R.T. 0.13 min

Lab File: BF097092.D

Acq: 26 Jul 2017 23:05

Tgt Ion: 70 Resp: 71143

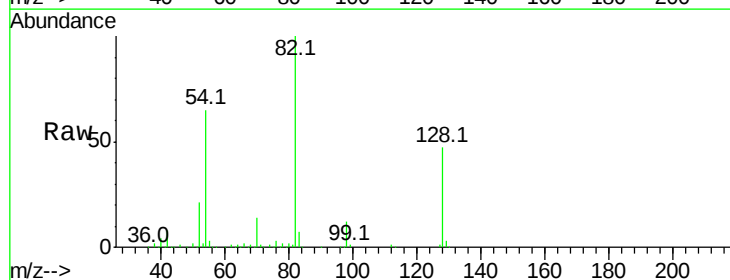
Ion Ratio Lower Upper

70 100

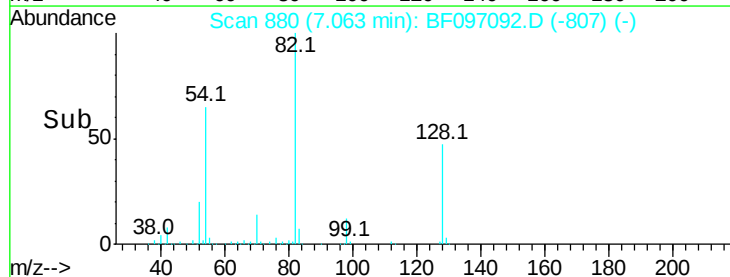
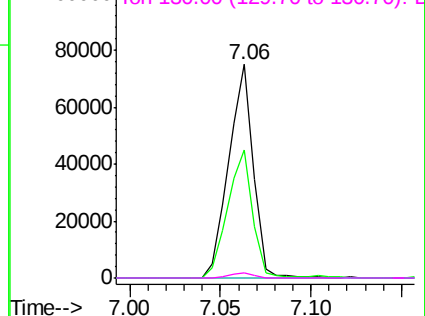
42 59.9 47.2 70.8

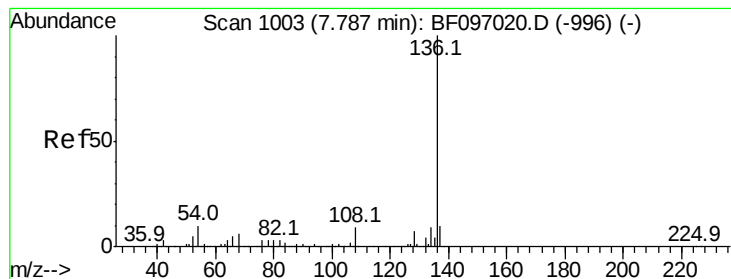
101 0.0 7.2 10.8#

130 2.5 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: 20.000 ng

RT: 7.77 min Scan# 1001

Delta R.T. -0.01 min

Lab File: BF097092.D

Acq: 26 Jul 2017 23:05

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 411504

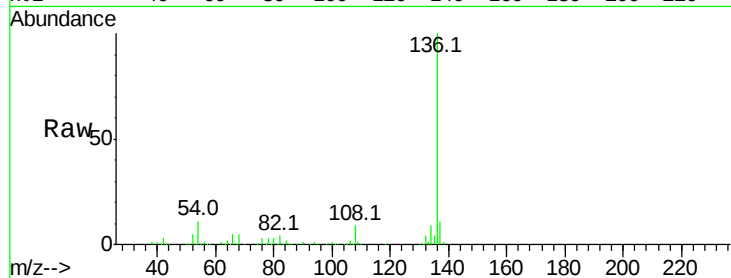
Ion Ratio Lower Upper

136 100

137 11.3 8.5 12.7

54 10.7 4.9 7.3#

68 5.5 4.1 6.1

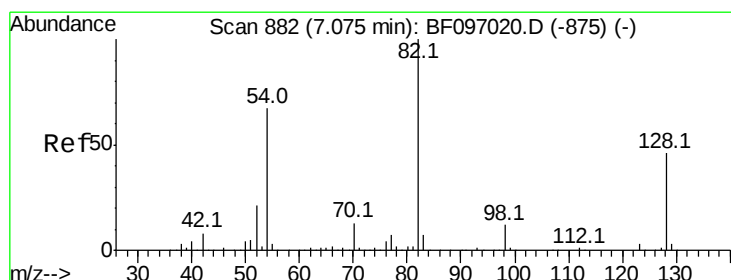
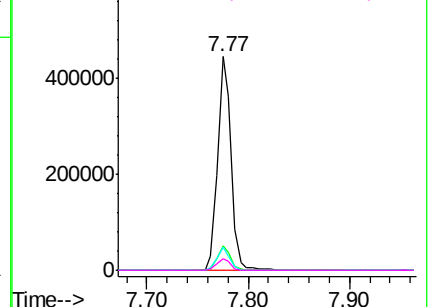
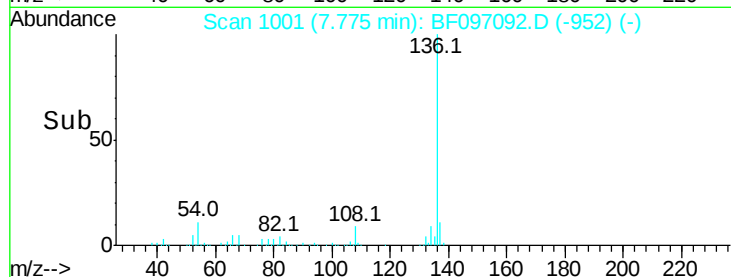


Abundance Ion 136.00 (135.70 to 136.70): E

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: 75.544 ng

RT: 7.06 min Scan# 880

Delta R.T. -0.01 min

Lab File: BF097092.D

Acq: 26 Jul 2017 23:05

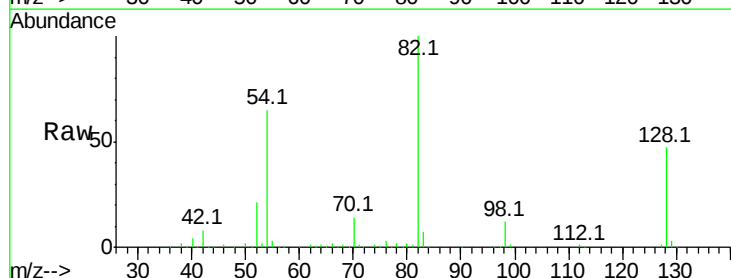
Tgt Ion: 82 Resp: 529912

Ion Ratio Lower Upper

82 100

128 46.8 34.0 51.0

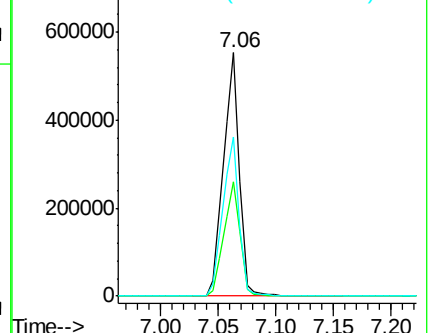
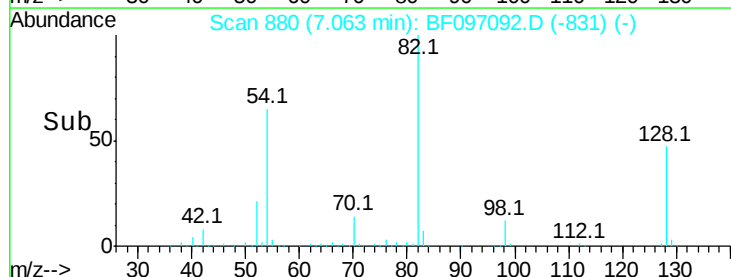
54 65.4 42.2 63.2#

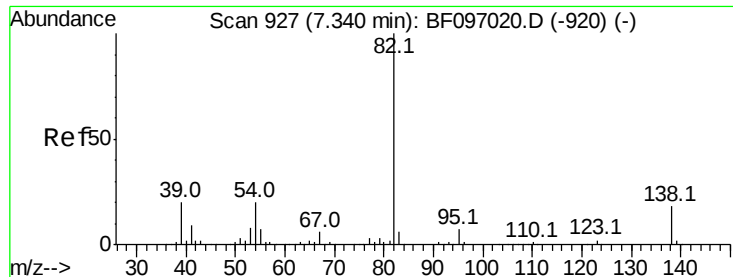


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 38.292 ng

RT: 7.06 min Scan# 880

Delta R.T. -0.28 min

Lab File: BF097092.D

Acq: 26 Jul 2017 23:05

Instrument :

BNA_F

ClientSampleId :

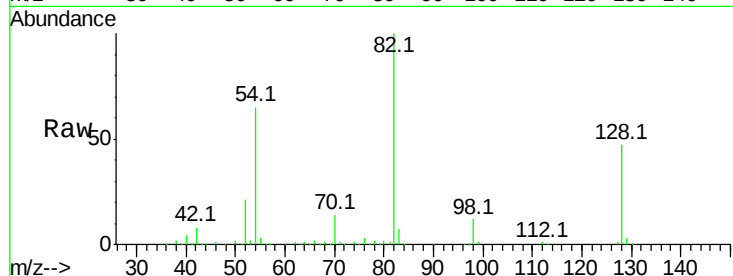
Tot Ion: 82 Resp: 526023

Ion Ratio Lower Upper

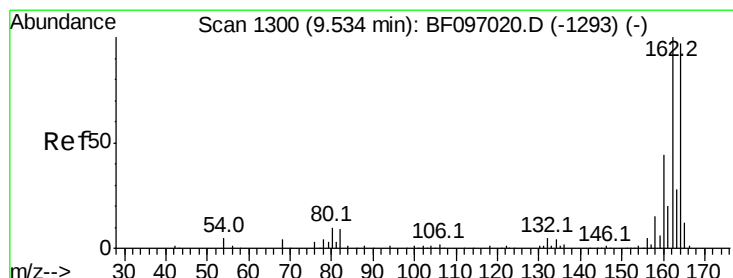
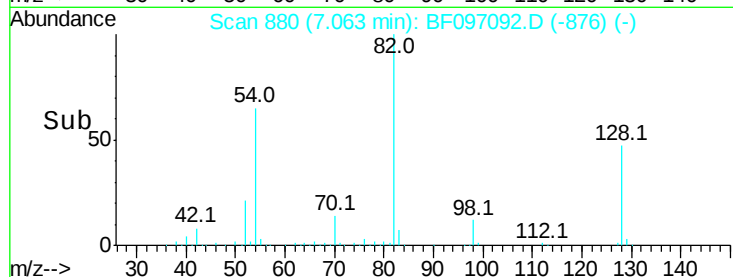
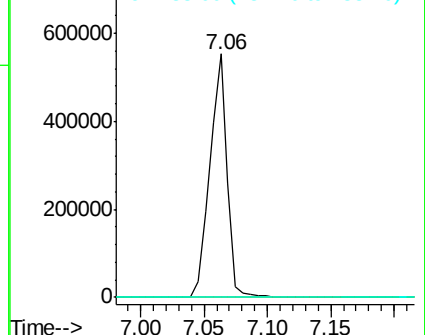
82 100

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: 20.000 ng

RT: 9.52 min Scan# 1298

Delta R.T. -0.01 min

Lab File: BF097092.D

Acq: 26 Jul 2017 23:05

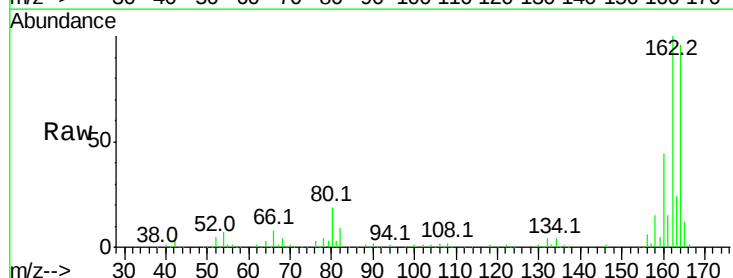
Tgt Ion:164 Resp: 175695

Ion Ratio Lower Upper

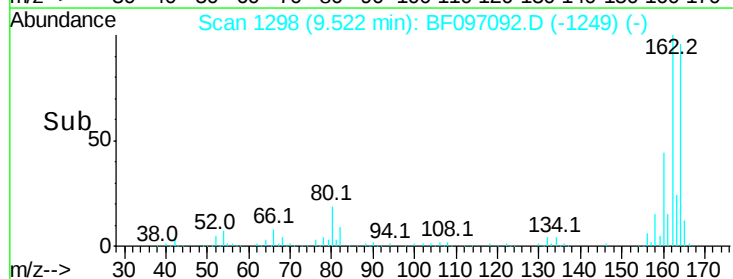
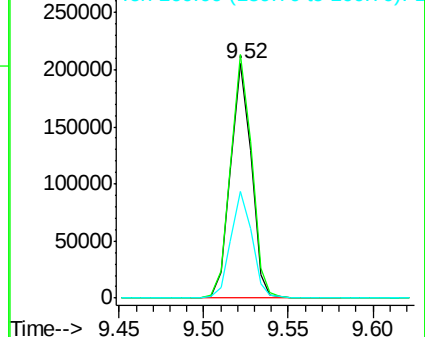
164 100

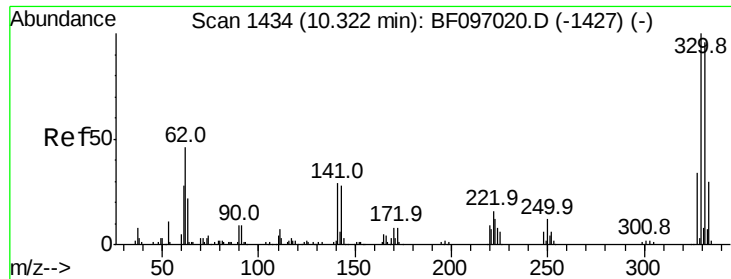
162 103.9 82.6 123.8

160 45.4 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

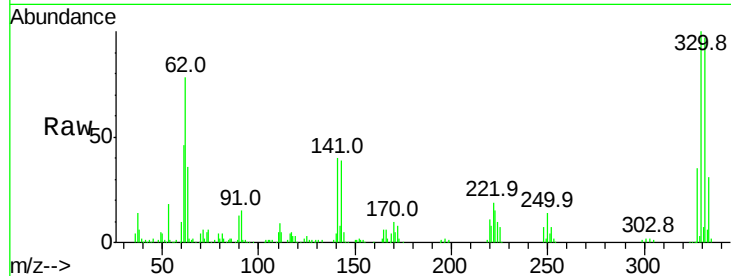




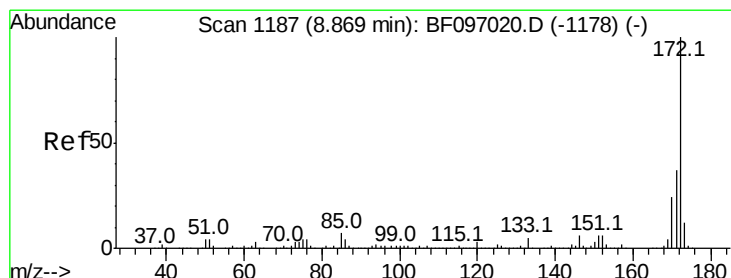
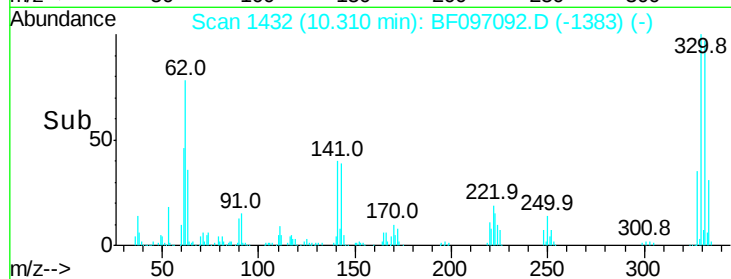
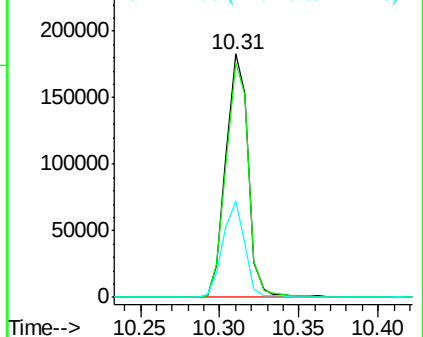
#41
 2,4,6-Tribromophenol
 Concen: 129.299 ng
 RT: 10.31 min Scan# 1432
 Delta R.T. -0.01 min
 Lab File: BF097092.D
 Acq: 26 Jul 2017 23:05

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 179488
 Ion Ratio Lower Upper
 330 100
 332 97.5 76.6 115.0
 141 38.9 31.4 47.2

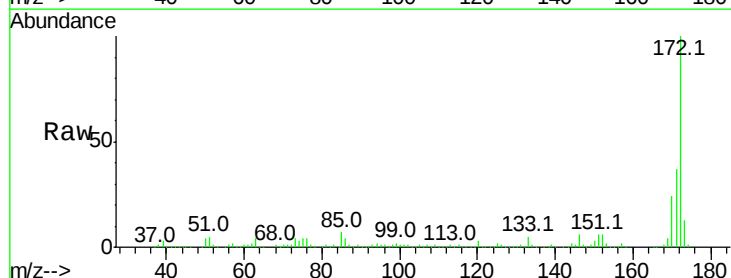


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

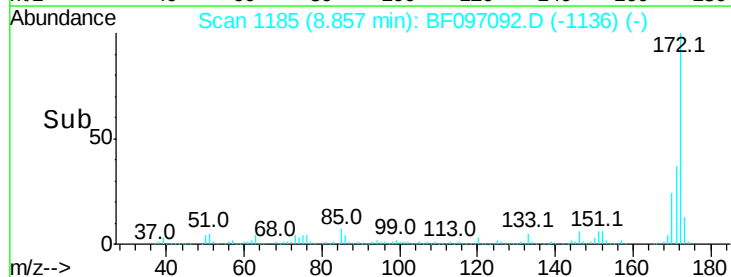
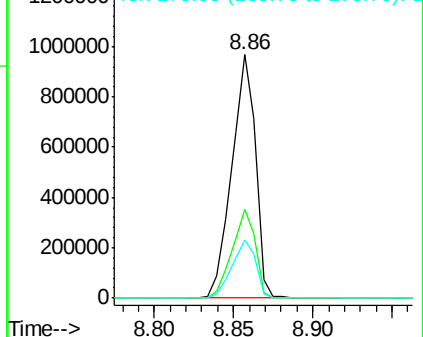


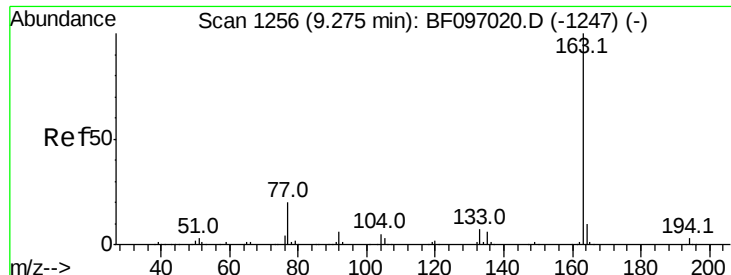
#44
 2-Fluorobiphenyl
 Concen: 97.169 ng
 RT: 8.86 min Scan# 1185
 Delta R.T. -0.01 min
 Lab File: BF097092.D
 Acq: 26 Jul 2017 23:05

Tgt Ion:172 Resp: 1005964
 Ion Ratio Lower Upper
 172 100
 171 36.6 29.6 44.4
 170 23.9 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

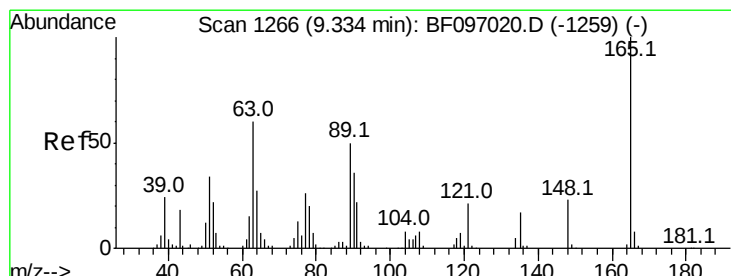
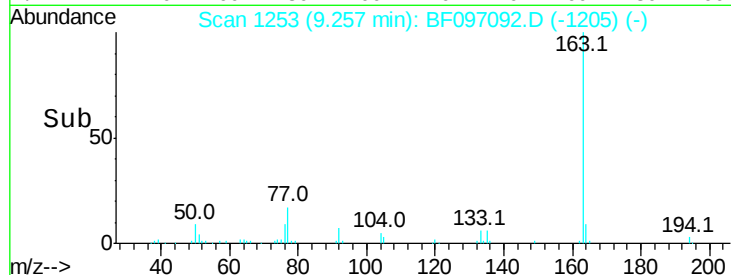
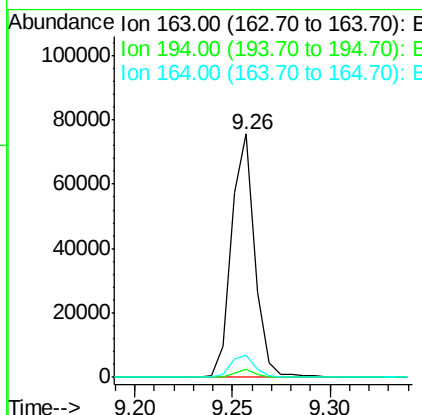
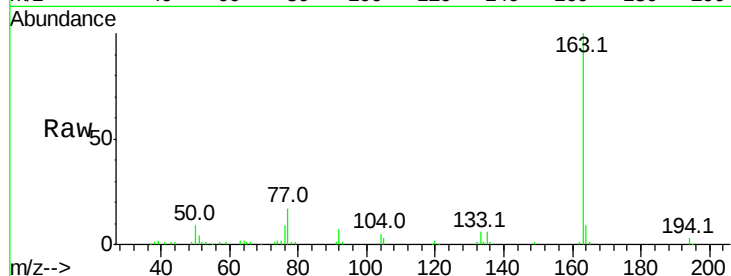




#49
Dimethylphthalate
Concen: 4.682 ng
RT: 9.26 min Scan# 1253
Delta R.T. -0.02 min
Lab File: BF097092.D
Acq: 26 Jul 2017 23:05

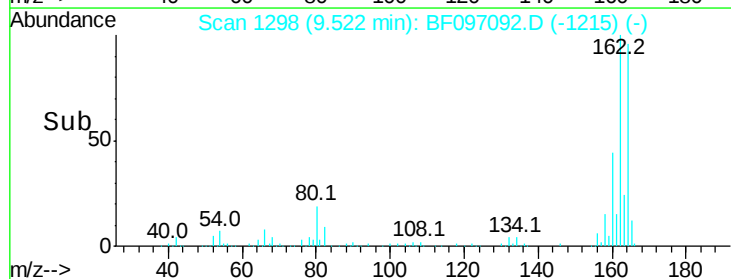
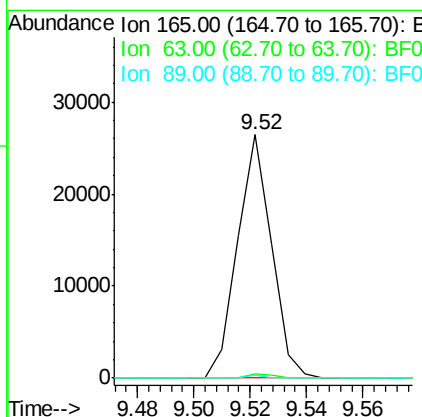
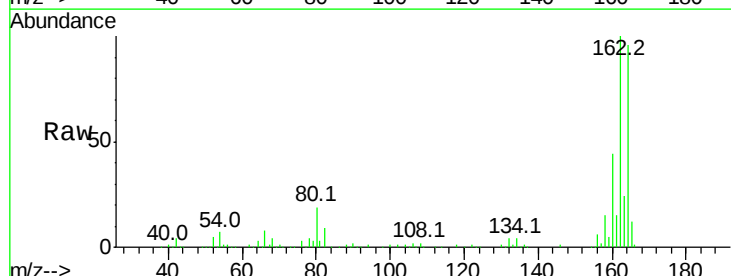
Instrument :
BNA_F
ClientSampled :

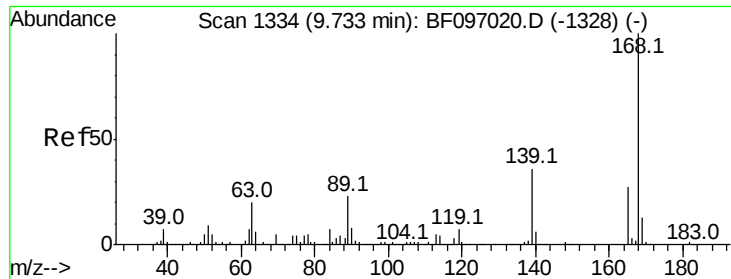
Tot Ion:163 Resp: 62462
Ion Ratio Lower Upper
163 100
194 3.5 2.6 4.0
164 9.2 8.4 12.6



#50
2,6-Dinitrotoluene
Concen: 7.796 ng
RT: 9.52 min Scan# 1298
Delta R.T. 0.19 min
Lab File: BF097092.D
Acq: 26 Jul 2017 23:05

Tgt Ion:165 Resp: 22062
Ion Ratio Lower Upper
165 100
63 1.7 34.3 51.5#
89 1.4 37.1 55.7#

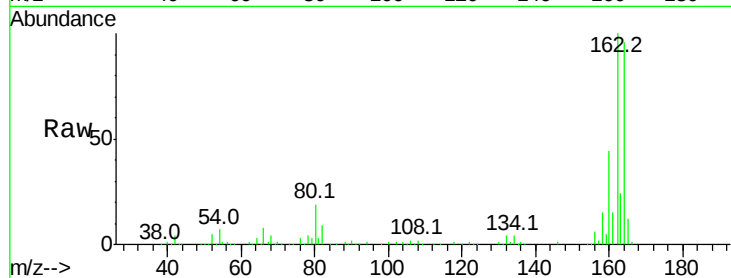




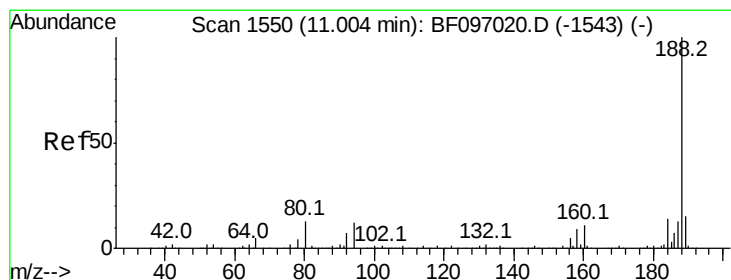
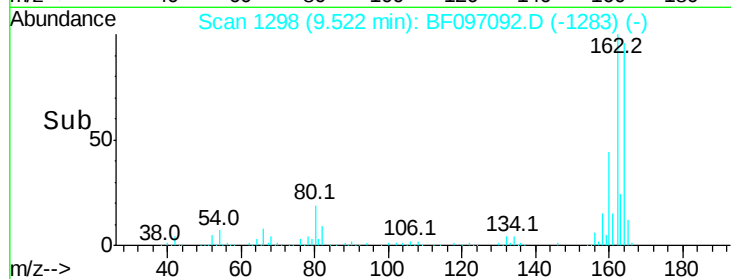
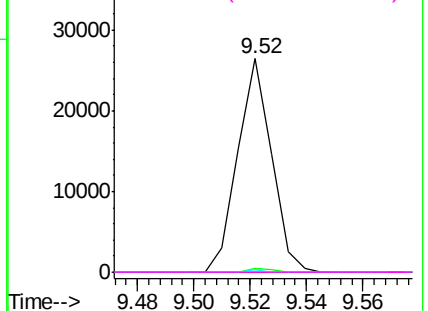
#56
 2,4-Dinitrotoluene
 Concen: 6.782 ng
 RT: 9.52 min Scan# 1298
 Delta R.T. -0.21 min
 Lab File: BF097092.D
 Acq: 26 Jul 2017 23:05

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 22062
 Ion Ratio Lower Upper
 165 100
 63 1.7 25.4 38.0#
 89 1.4 46.4 69.6#
 182 0.0 1.8 2.6#

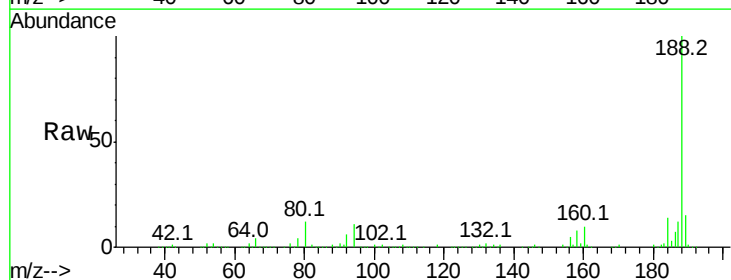


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

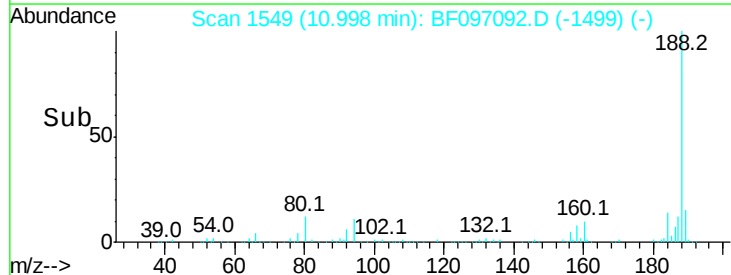
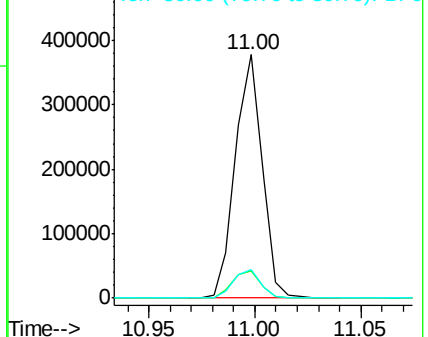


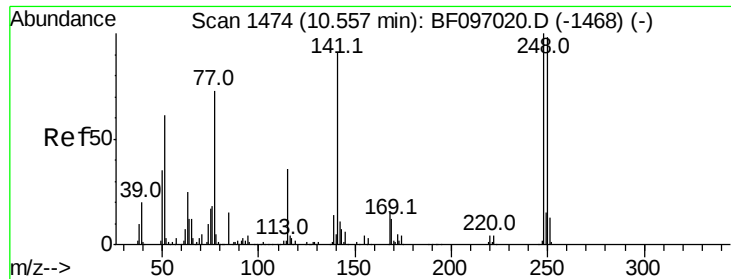
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.00 min Scan# 1549
 Delta R.T. -0.01 min
 Lab File: BF097092.D
 Acq: 26 Jul 2017 23:05

Tgt Ion:188 Resp: 330994
 Ion Ratio Lower Upper
 188 100
 94 11.0 9.4 14.2
 80 11.6 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





#66

4-Bromophenyl-phenylether

Concen: 3.456 ng

RT: 10.31 min Scan# 1432

Delta R.T. -0.25 min

Lab File: BF097092.D

Acq: 26 Jul 2017 23:05

Instrument :

BNA_F

ClientSampled :

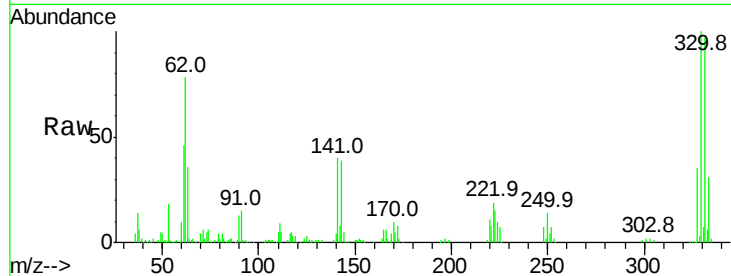
Tot Ion:248 Resp: 11416

Ion Ratio Lower Upper

248 100

250 203.9 76.8 115.2#

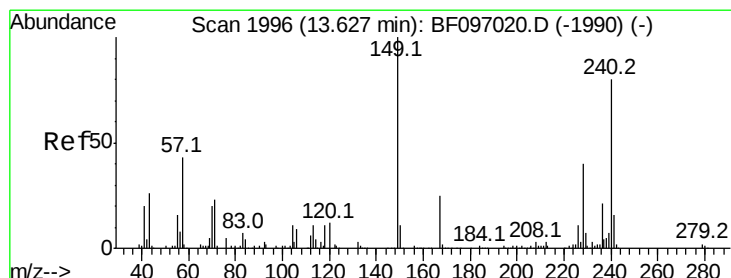
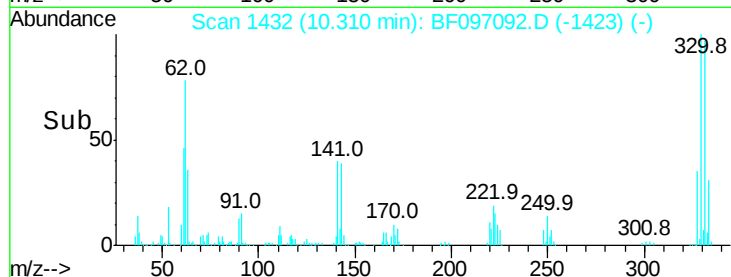
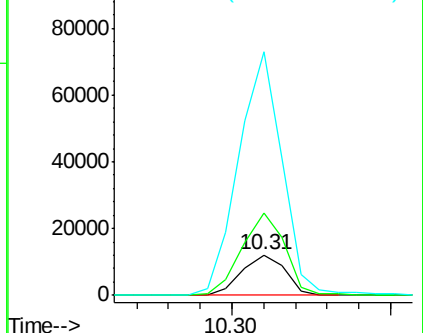
141 598.5 68.6 103.0#



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: 20.000 ng

RT: 13.62 min Scan# 1995

Delta R.T. -0.01 min

Lab File: BF097092.D

Acq: 26 Jul 2017 23:05

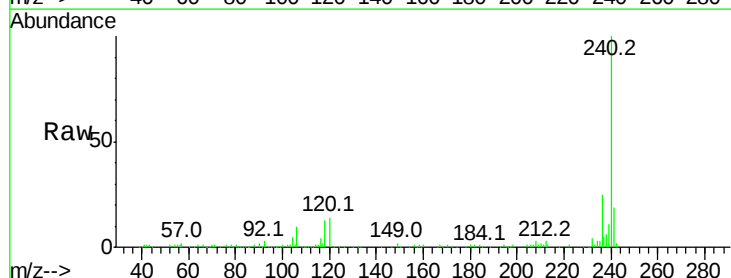
Tgt Ion:240 Resp: 198357

Ion Ratio Lower Upper

240 100

120 13.8 5.8 8.8#

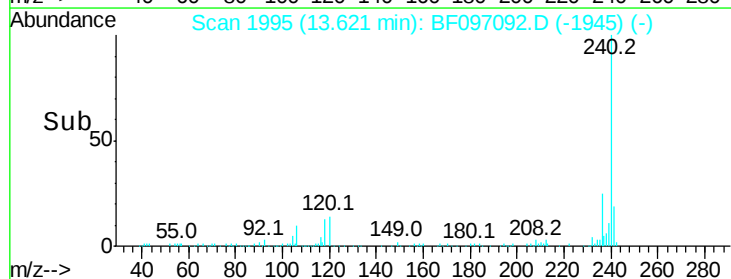
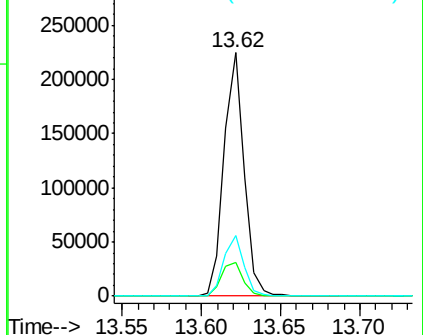
236 25.0 20.5 30.7

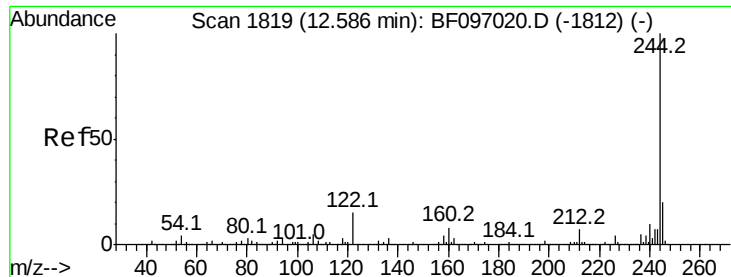


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 74.986 ng

RT: 12.59 min Scan# 1819

Delta R.T. -0.00 min

Lab File: BF097092.D

Acq: 26 Jul 2017 23:05

Instrument :

BNA_F

ClientSampleId :

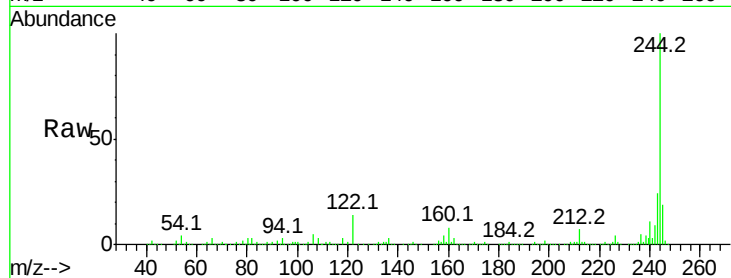
Tot Ion:244 Resp: 729529

Ion Ratio Lower Upper

244 100

212 6.6 6.0 9.0

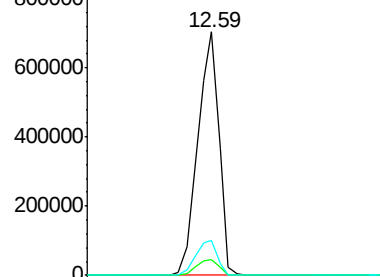
122 14.4 10.3 15.5



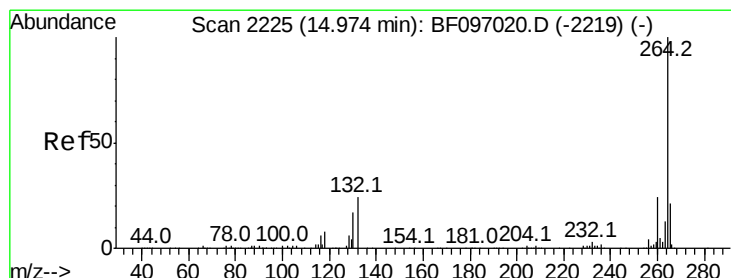
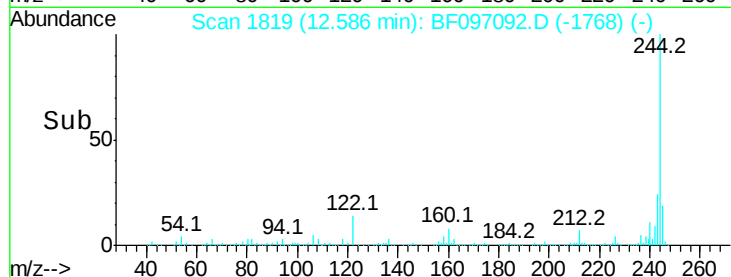
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time--> 12.50 12.55 12.60 12.65



#86

Perylene-d12

Concen: 20.000 ng

RT: 14.97 min Scan# 2224

Delta R.T. -0.01 min

Lab File: BF097092.D

Acq: 26 Jul 2017 23:05

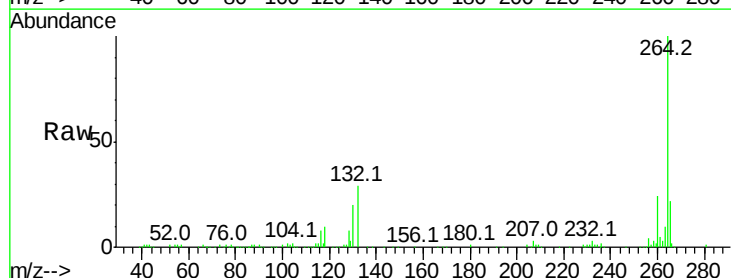
Tgt Ion:264 Resp: 169558

Ion Ratio Lower Upper

264 100

260 24.3 19.5 29.3

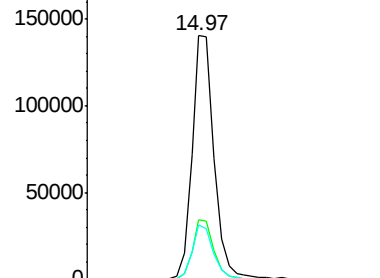
265 22.2 17.2 25.8



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



Time--> 14.90 15.00

