

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072617\
 Data File : BF097112.D
 Acq On : 27 Jul 2017 8:35
 Operator : SJ/JU
 Sample : I4415-03
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 27 10:12:15 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

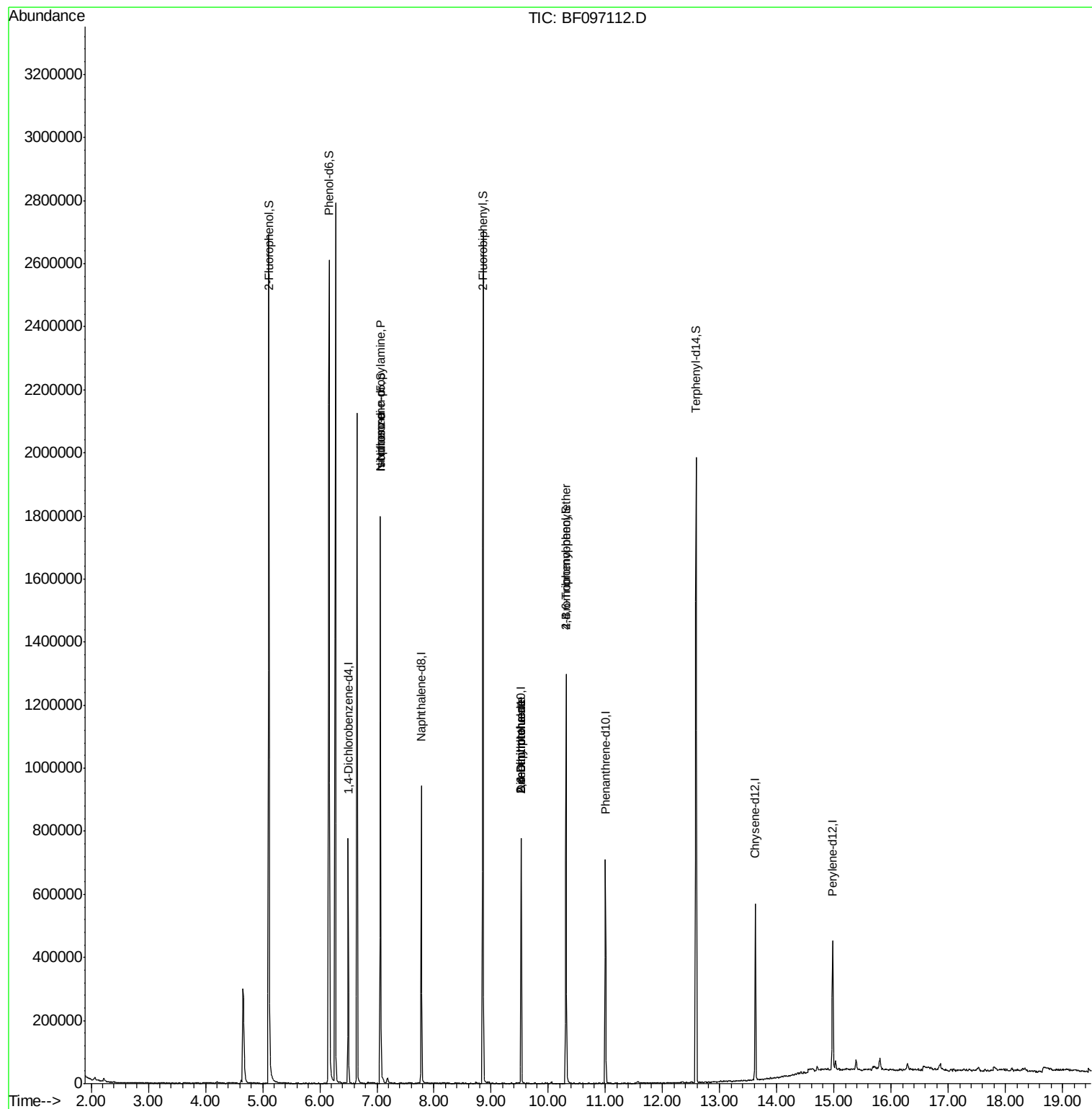
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.50	152	114675	20.00	ng	0.00
21) Naphthalene-d8	7.78	136	442680	20.00	ng	0.00
38) Acenaphthene-d10	9.52	164	165089	20.00	ng	-0.01
63) Phenanthrene-d10	11.00	188	235271	20.00	ng	0.00
75) Chrysene-d12	13.62	240	197815	20.00	ng	0.00
86) Perylene-d12	14.97	264	166792	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.11	112	814858	107.12	ng	0.01
7) Phenol-d6	6.16	99	927741	106.83	ng	0.00
23) Nitrobenzene-d5	7.06	82	595320	78.89	ng	-0.01
41) 2,4,6-Tribromophenol	10.32	330	158615	121.60	ng	0.00
44) 2-Fluorobiphenyl	8.86	172	927135	95.31	ng	-0.01
78) Terphenyl-d14	12.59	244	627686	64.69	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.06	70	78041	13.652	ng	# 84
25) Isophorone	7.06	82	583866	39.509	ng	# 67
49) Dimethylphthalate	9.53	163	48452	3.865	ng	# 1
50) 2,6-Dinitrotoluene	9.52	165	21394	8.046	ng	# 32
56) 2,4-Dinitrotoluene	9.52	165	21394	6.999	ng	# 32
66) 4-Bromophenyl-phenylether	10.32	248	9912	4.222	ng	# 1

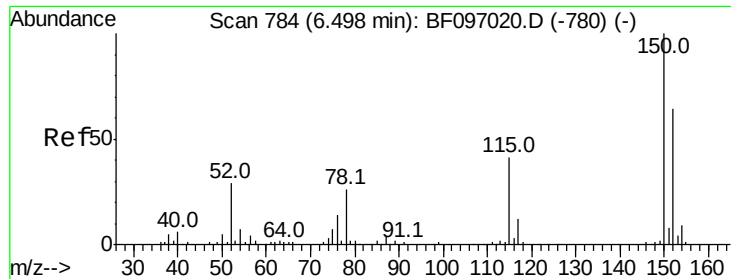
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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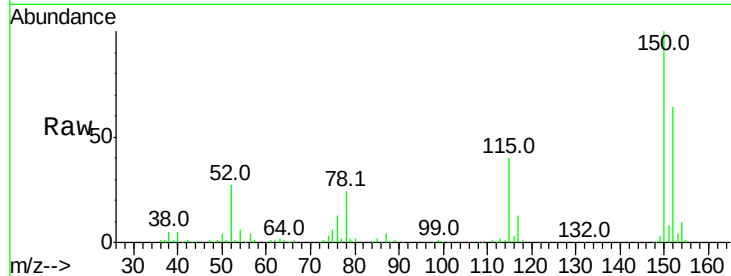


#1

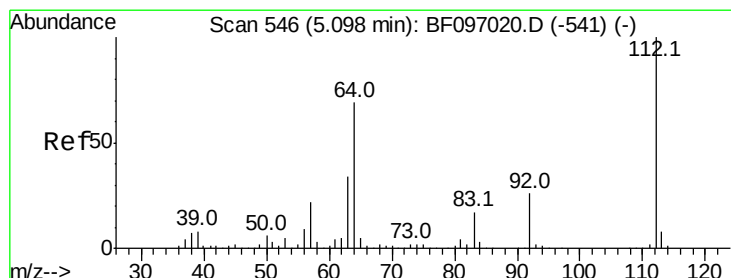
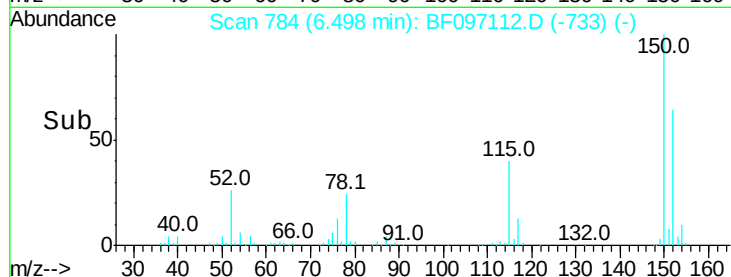
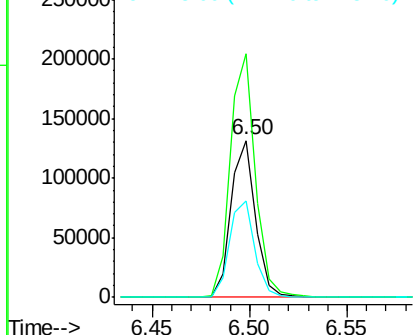
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.50 min Scan# 784
Delta R.T. -0.00 min
Lab File: BF097112.D
Acq: 27 Jul 2017 8:35

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 114675
Ion Ratio Lower Upper
152 100
150 155.3 126.2 189.2
115 61.8 52.2 78.2



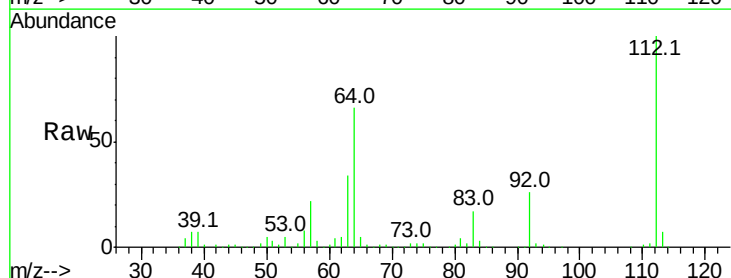
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



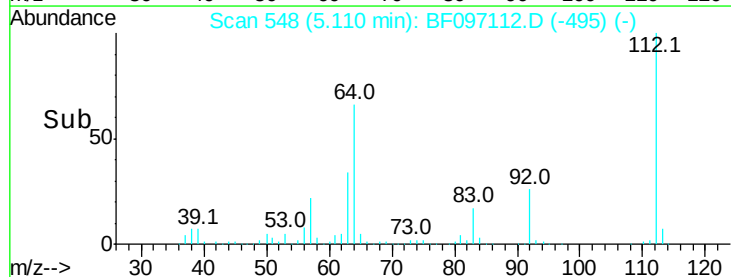
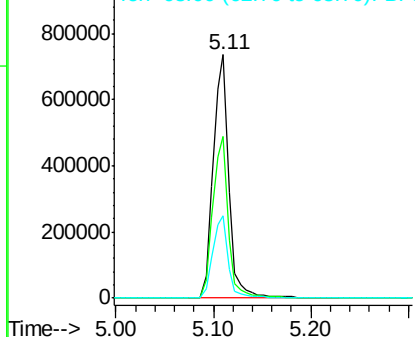
#5

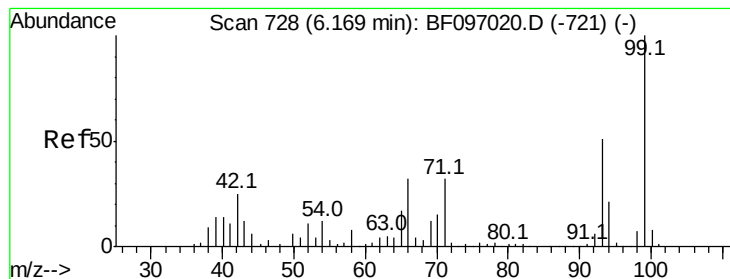
2-Fluorophenol
Concen: 107.119 ng
RT: 5.11 min Scan# 548
Delta R.T. 0.01 min
Lab File: BF097112.D
Acq: 27 Jul 2017 8:35

Tgt Ion:112 Resp: 814858
Ion Ratio Lower Upper
112 100
64 66.5 46.0 69.0
63 33.7 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: 106.829 ng

RT: 6.16 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF097112.D

Acq: 27 Jul 2017 8:35

Instrument :

BNA_F

ClientSampled :

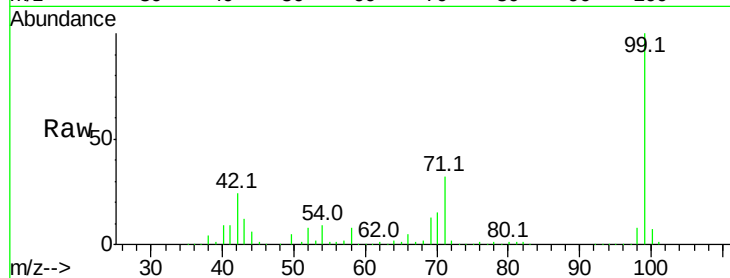
Tot Ion: 99 Resp: 927741

Ion Ratio Lower Upper

99 100

42 23.6 13.5 20.3#

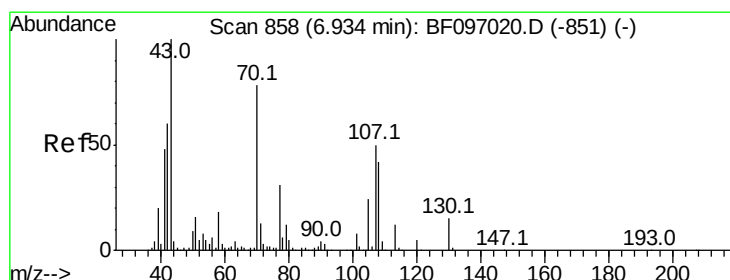
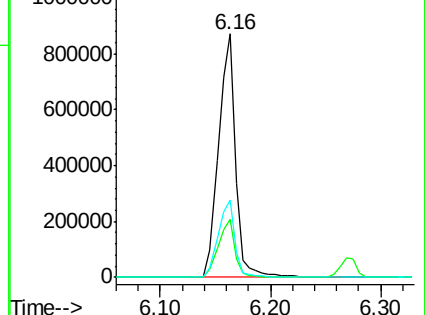
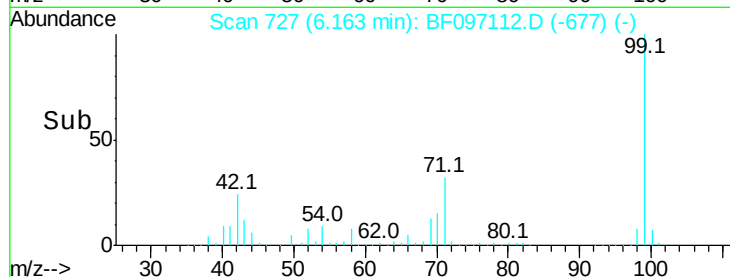
71 31.9 24.5 36.7



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: 13.652 ng

RT: 7.06 min Scan# 880

Delta R.T. 0.13 min

Lab File: BF097112.D

Acq: 27 Jul 2017 8:35

Tgt Ion: 70 Resp: 78041

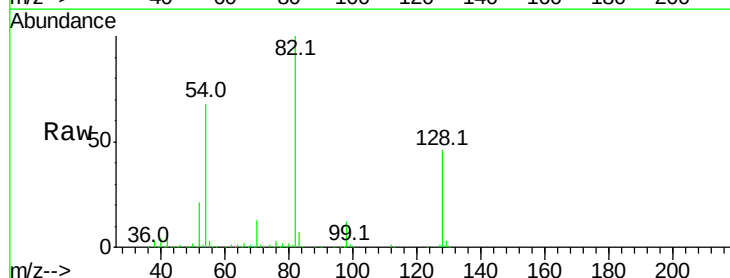
Ion Ratio Lower Upper

70 100

42 64.4 47.2 70.8

101 0.0 7.2 10.8#

130 2.3 15.9 23.9#

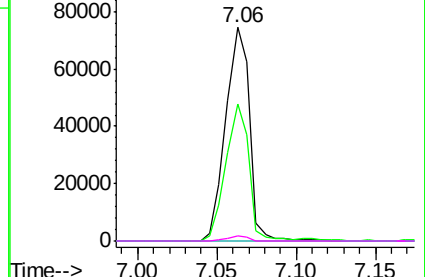
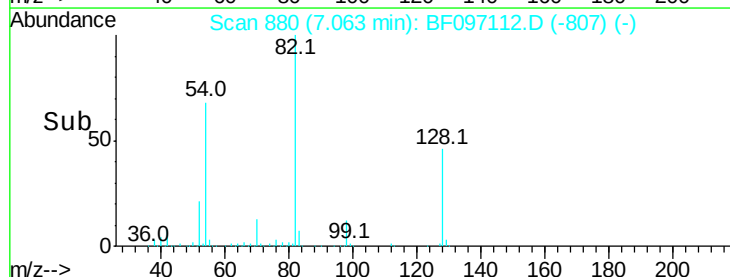


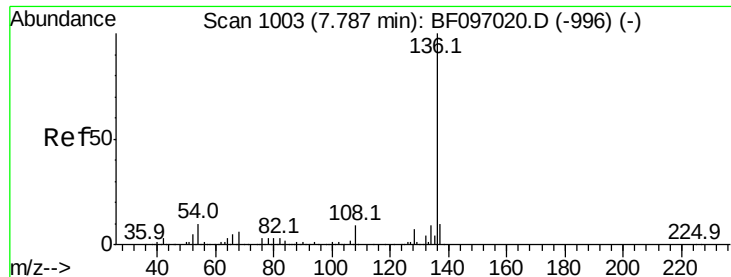
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

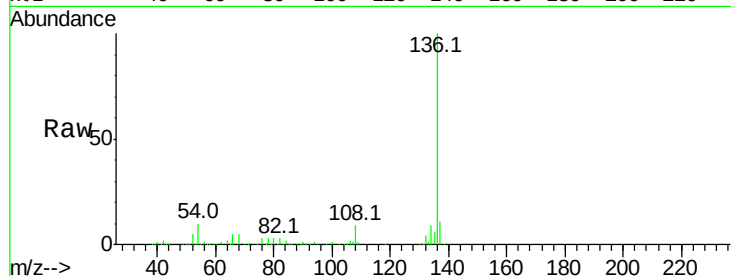




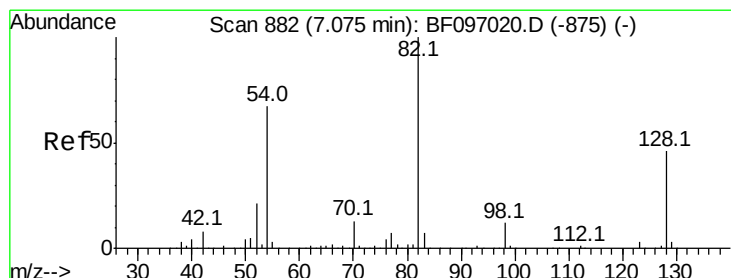
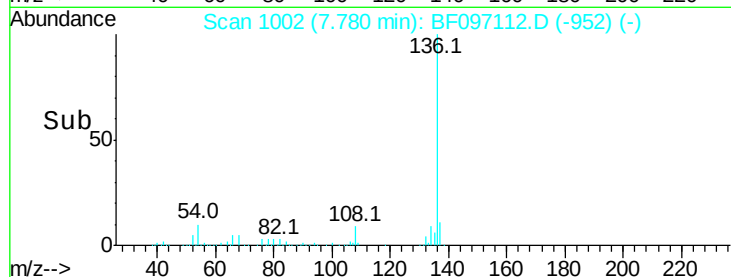
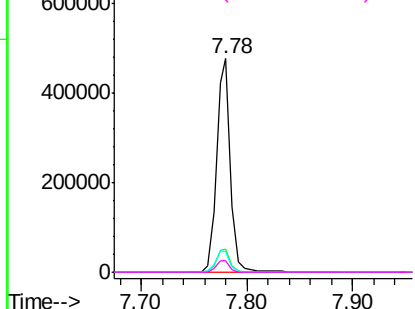
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.78 min Scan# 1002
Delta R.T. -0.01 min
Lab File: BF097112.D
Acq: 27 Jul 2017 8:35

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	442680
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.5	12.7
54	9.6	4.9	7.3#
68	5.4	4.1	6.1

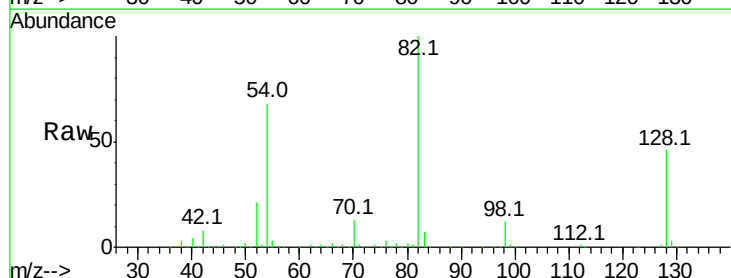


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

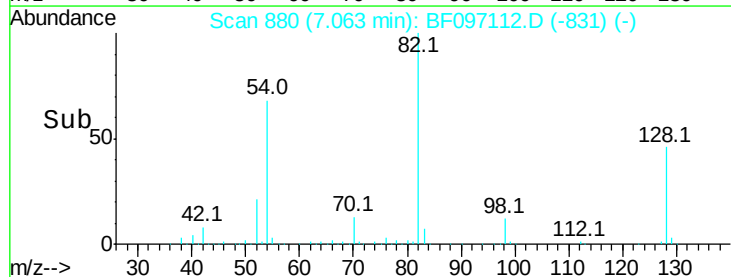
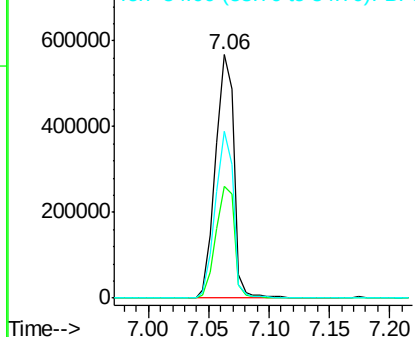


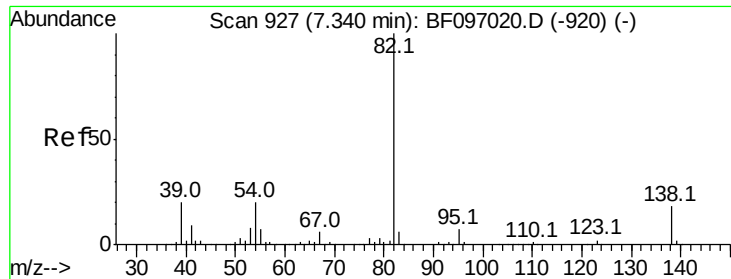
#23
Nitrobenzene-d5
Concen: 78.892 ng
RT: 7.06 min Scan# 880
Delta R.T. -0.01 min
Lab File: BF097112.D
Acq: 27 Jul 2017 8:35

Tgt Ion:	82	Resp:	595320
Ion	Ratio	Lower	Upper
82	100		
128	45.9	34.0	51.0
54	68.4	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: 39.509 ng

RT: 7.06 min Scan# 880

Delta R.T. -0.28 min

Lab File: BF097112.D

Acq: 27 Jul 2017 8:35

Instrument :

BNA_F

ClientSampleId :

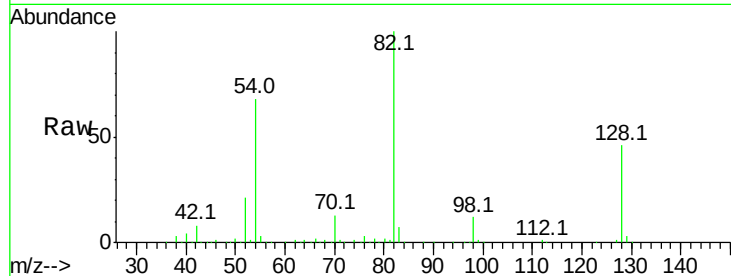
Tot Ion: 82 Resp: 583866

Ion Ratio Lower Upper

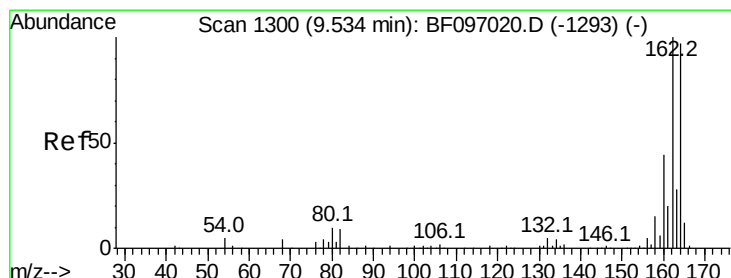
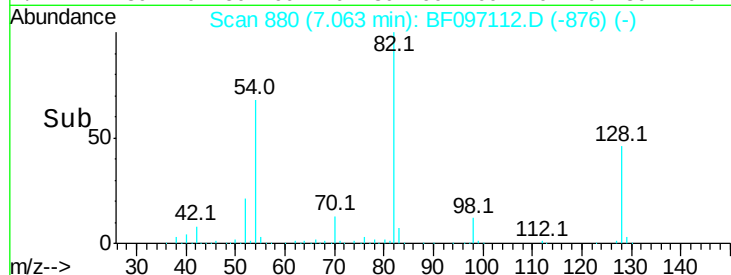
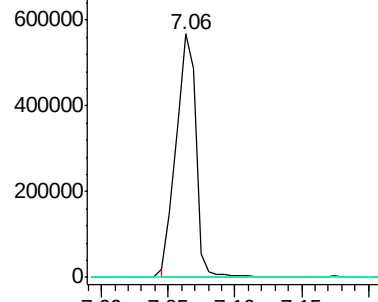
82 100

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: BF097112.D

Acq: 27 Jul 2017 8:35

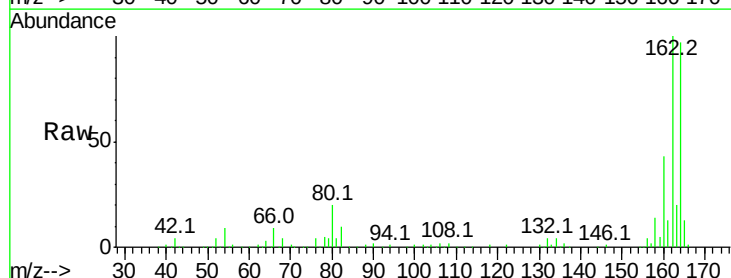
Tgt Ion: 164 Resp: 165089

Ion Ratio Lower Upper

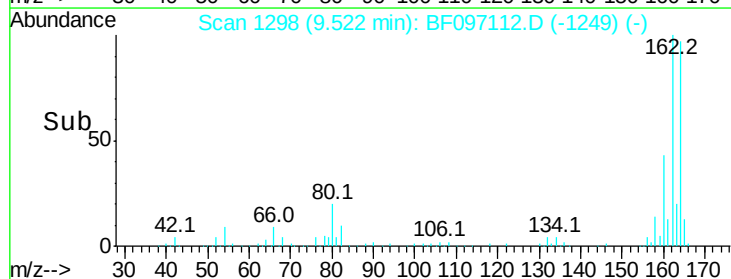
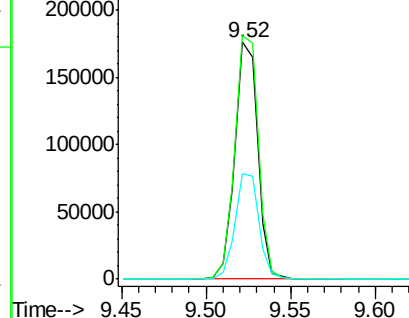
164 100

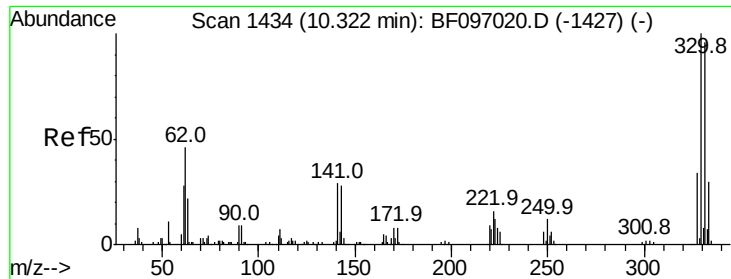
162 102.9 82.6 123.8

160 44.5 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

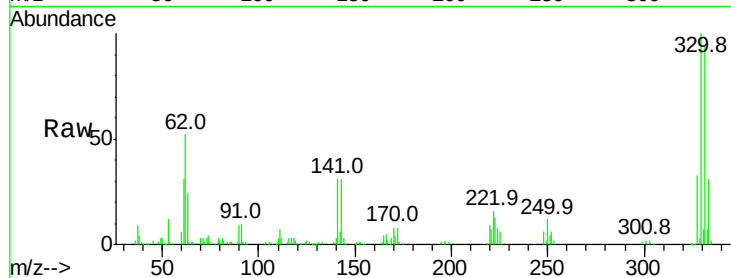




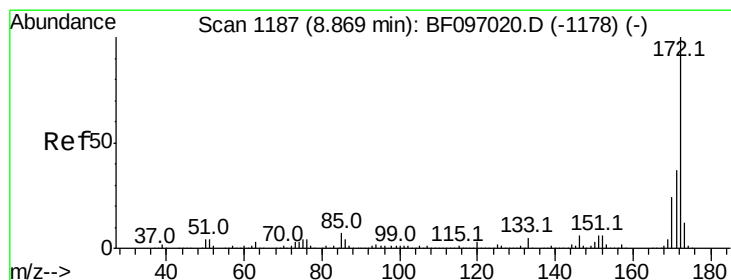
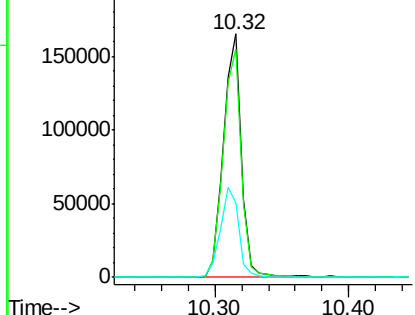
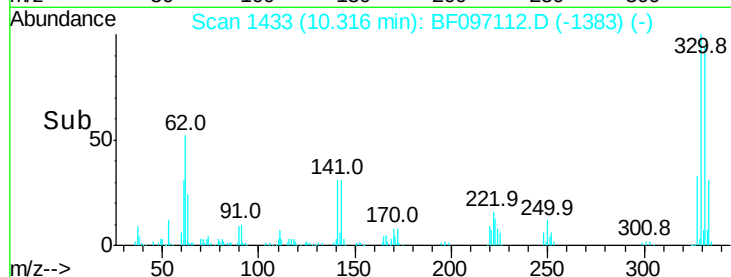
#41
 2,4,6-Tribromophenol
 Concen: 121.603 ng
 RT: 10.32 min Scan# 1433
 Delta R.T. -0.01 min
 Lab File: BF097112.D
 Acq: 27 Jul 2017 8:35

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.2	76.6	115.0
141	37.9	31.4	47.2

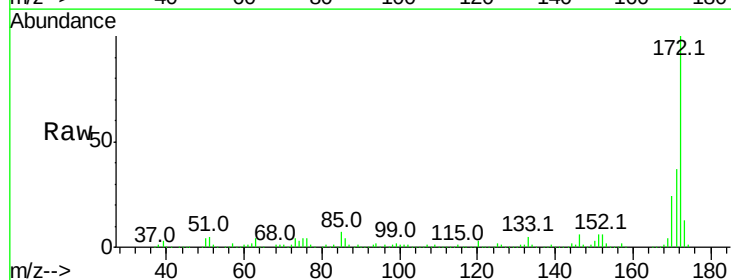


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

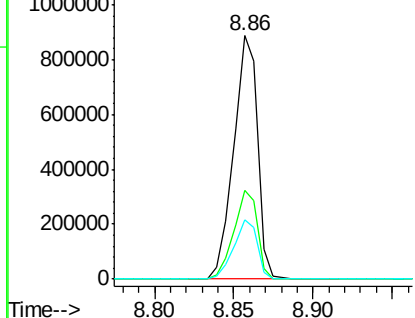
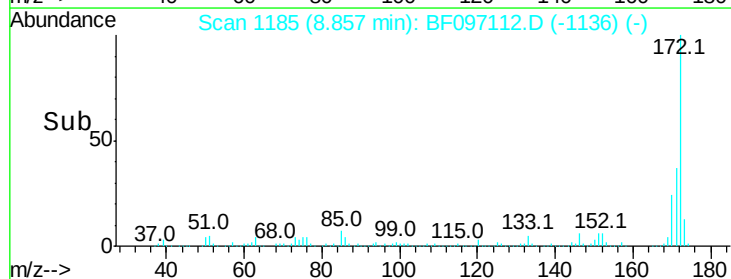


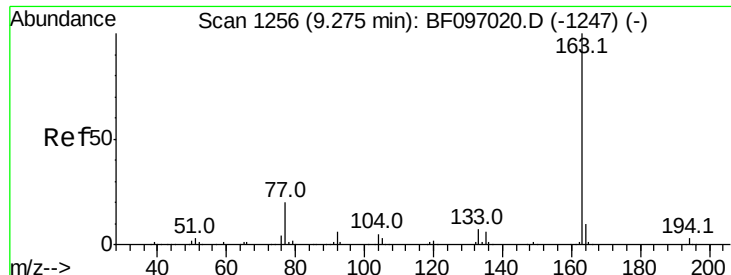
#44
 2-Fluorobiphenyl
 Concen: 95.308 ng
 RT: 8.86 min Scan# 1185
 Delta R.T. -0.01 min
 Lab File: BF097112.D
 Acq: 27 Jul 2017 8:35

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.7	29.6	44.4
170	24.2	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: 3.865 ng

RT: 9.53 min Scan# 1299

Delta R.T. 0.25 min

Lab File: BF097112.D

Acq: 27 Jul 2017 8:35

Instrument :

BNA_F

ClientSampleId :

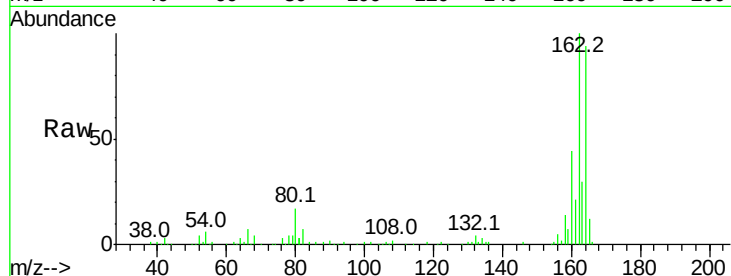
Tot Ion:163 Resp: 48452

Ion Ratio Lower Upper

163 100

194 0.0 2.6 4.0#

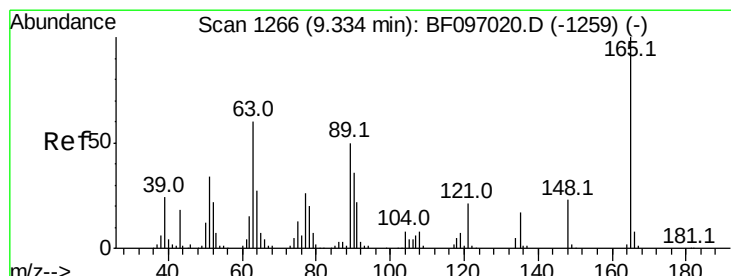
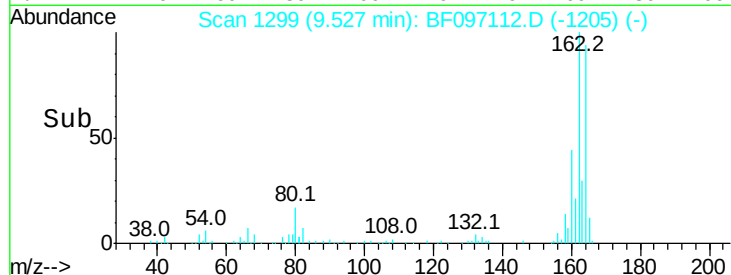
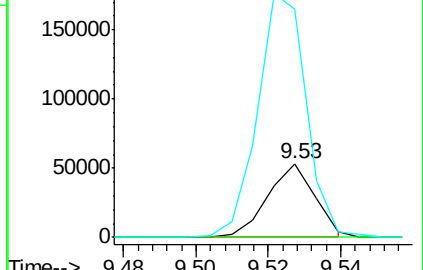
164 309.3 8.4 12.6#



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



#50

2,6-Dinitrotoluene

Concen: 8.046 ng

RT: 9.52 min Scan# 1298

Delta R.T. 0.19 min

Lab File: BF097112.D

Acq: 27 Jul 2017 8:35

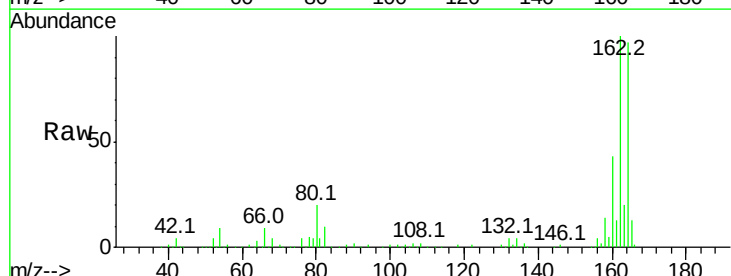
Tgt Ion:165 Resp: 21394

Ion Ratio Lower Upper

165 100

63 1.4 34.3 51.5#

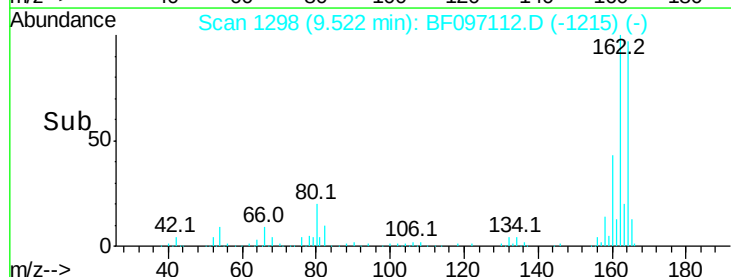
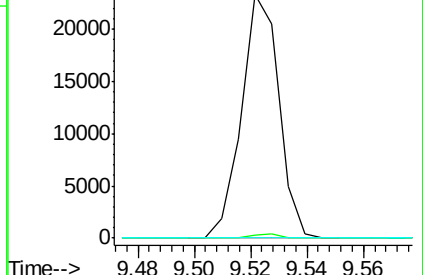
89 0.0 37.1 55.7#

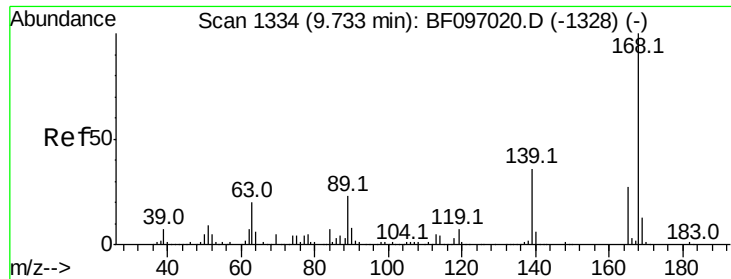


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

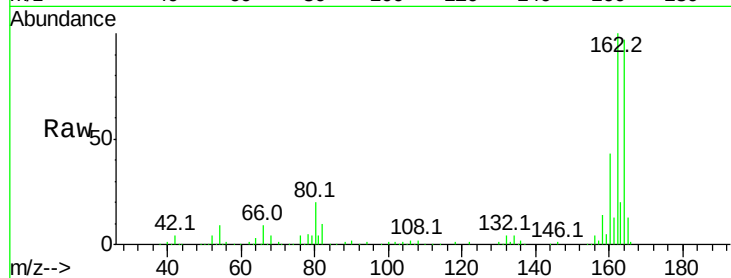




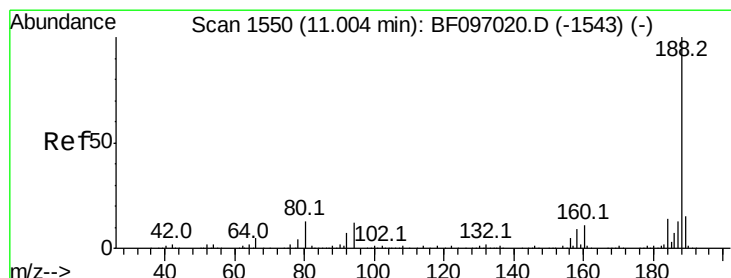
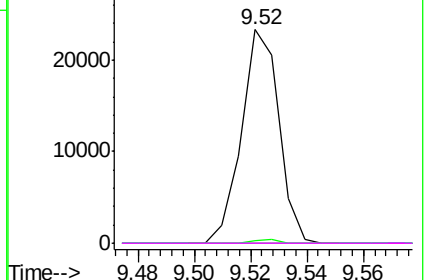
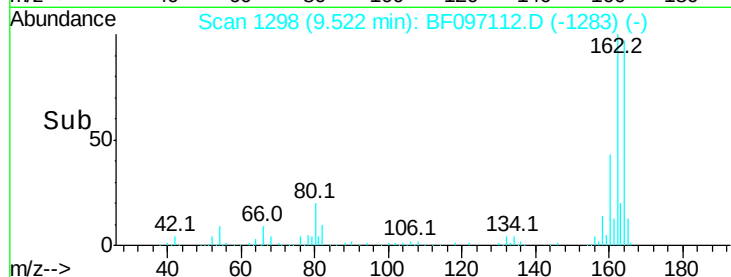
#56
 2,4-Dinitrotoluene
 Concen: 6.999 ng
 RT: 9.52 min Scan# 1298
 Delta R.T. -0.21 min
 Lab File: BF097112.D
 Acq: 27 Jul 2017 8:35

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 21394
 Ion Ratio Lower Upper
 165 100
 63 1.4 25.4 38.0#
 89 0.0 46.4 69.6#
 182 0.0 1.8 2.6#

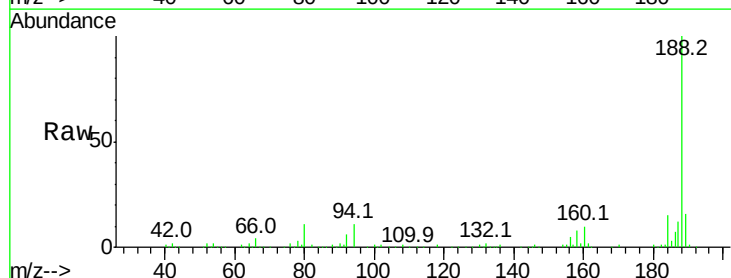


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

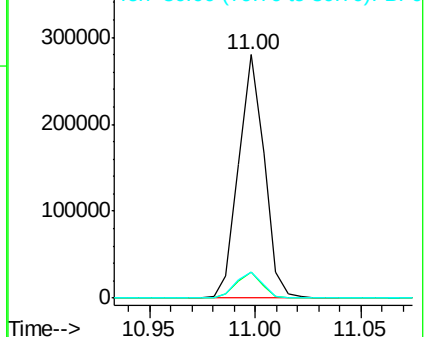
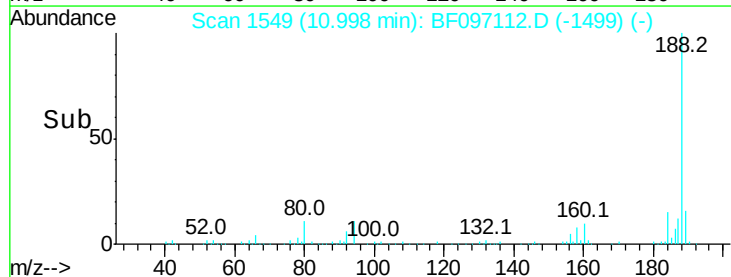


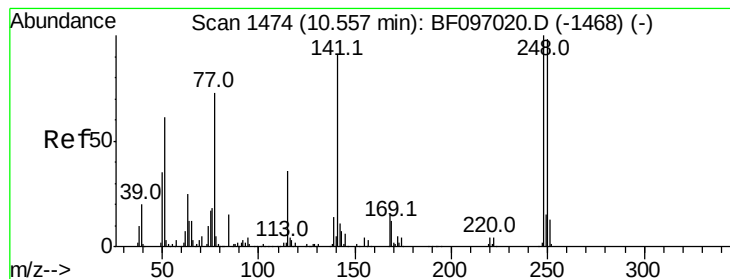
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.00 min Scan# 1549
 Delta R.T. -0.01 min
 Lab File: BF097112.D
 Acq: 27 Jul 2017 8:35

Tgt Ion:188 Resp: 235271
 Ion Ratio Lower Upper
 188 100
 94 10.8 9.4 14.2
 80 10.8 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: 4.222 ng

RT: 10.32 min Scan# 1433

Delta R.T. -0.24 min

Lab File: BF097112.D

Acq: 27 Jul 2017 8:35

Instrument :

BNA_F

ClientSampleId :

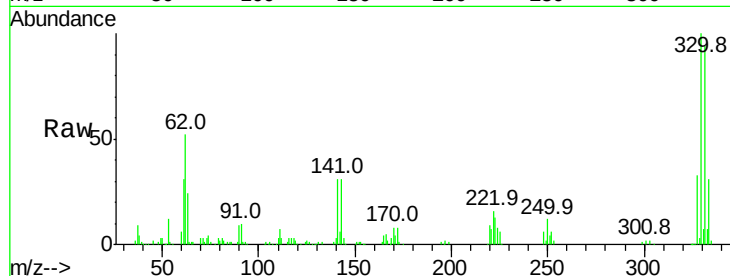
Tot Ion:248 Resp: 9912

Ion Ratio Lower Upper

248 100

250 201.1 76.8 115.2#

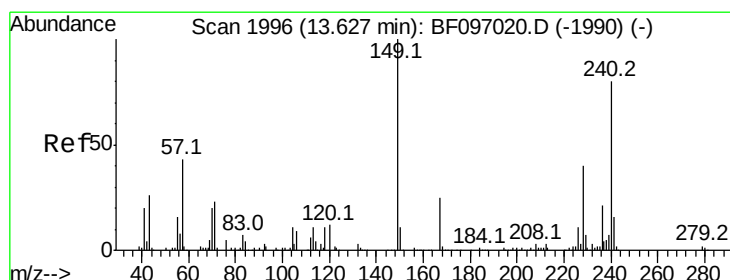
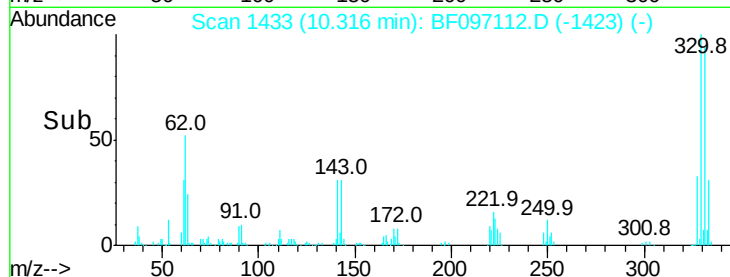
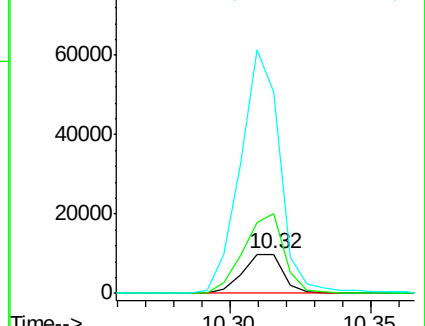
141 512.3 68.6 103.0#



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: BF097112.D

Acq: 27 Jul 2017 8:35

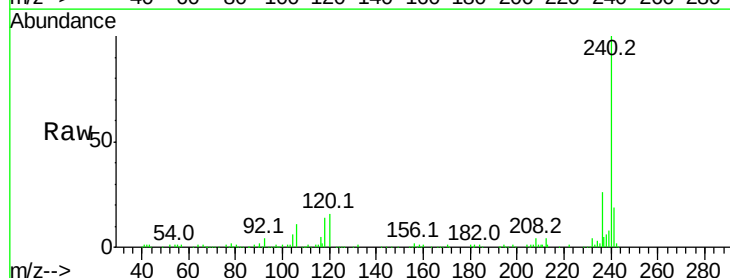
Tgt Ion:240 Resp: 197815

Ion Ratio Lower Upper

240 100

120 15.6 5.8 8.8#

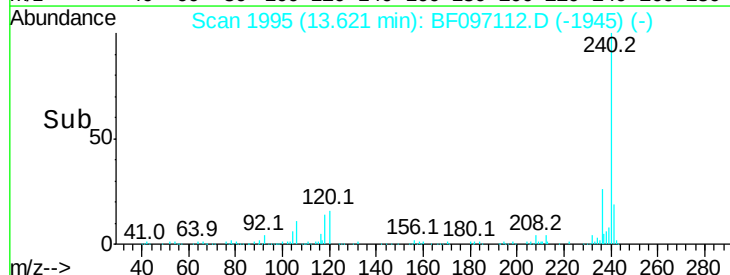
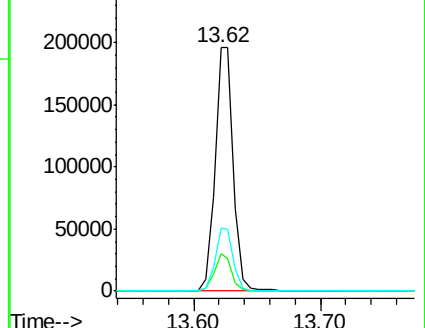
236 26.0 20.5 30.7

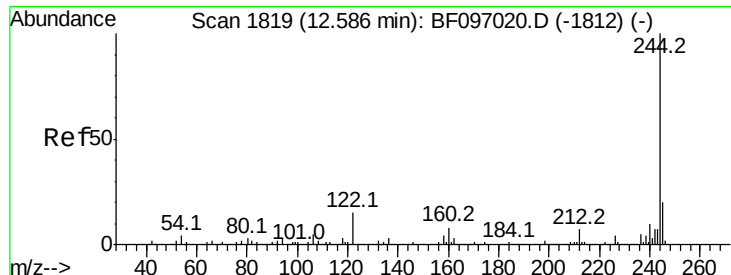


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 64.695 ng

RT: 12.59 min Scan# 1819

Delta R.T. -0.00 min

Lab File: BF097112.D

Acq: 27 Jul 2017 8:35

Instrument :

BNA_F

ClientSampleId :

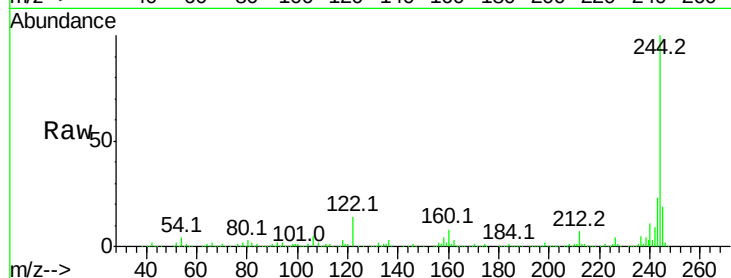
Tot Ion:244 Resp: 627686

Ion Ratio Lower Upper

244 100

212 6.7 6.0 9.0

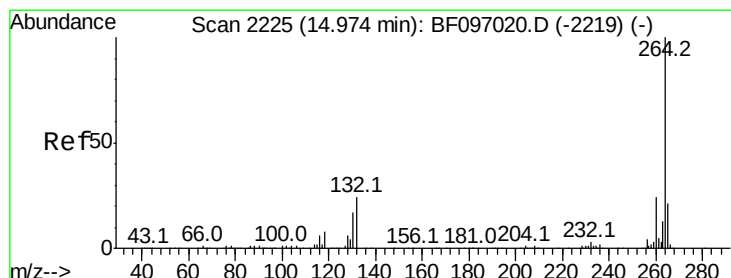
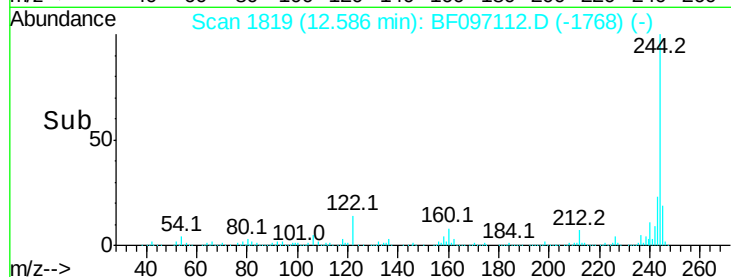
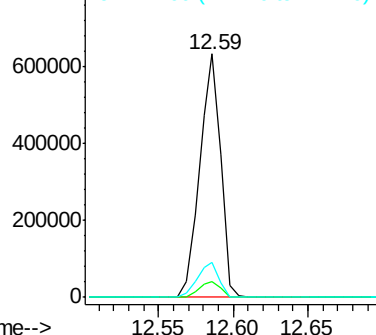
122 14.5 10.3 15.5



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: 20.000 ng

RT: 14.97 min Scan# 2225

Delta R.T. -0.00 min

Lab File: BF097112.D

Acq: 27 Jul 2017 8:35

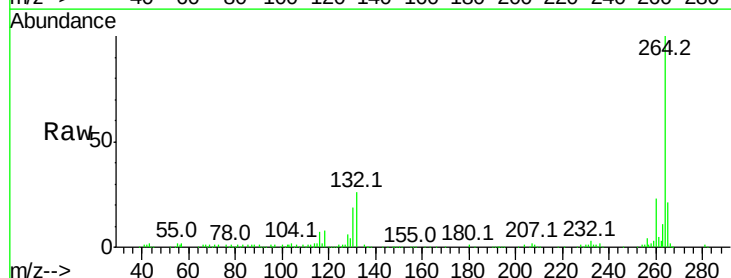
Tgt Ion:264 Resp: 166792

Ion Ratio Lower Upper

264 100

260 23.0 19.5 29.3

265 21.1 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

