

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071917\
 Data File : BF096896.D
 Acq On : 20 Jul 2017 9:10
 Operator : SJ/JU
 Sample : I4245-03
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-071717-A

Quant Time: Jul 20 15:26:23 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF071317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 18 13:33:22 2017
 Response via : Initial Calibration

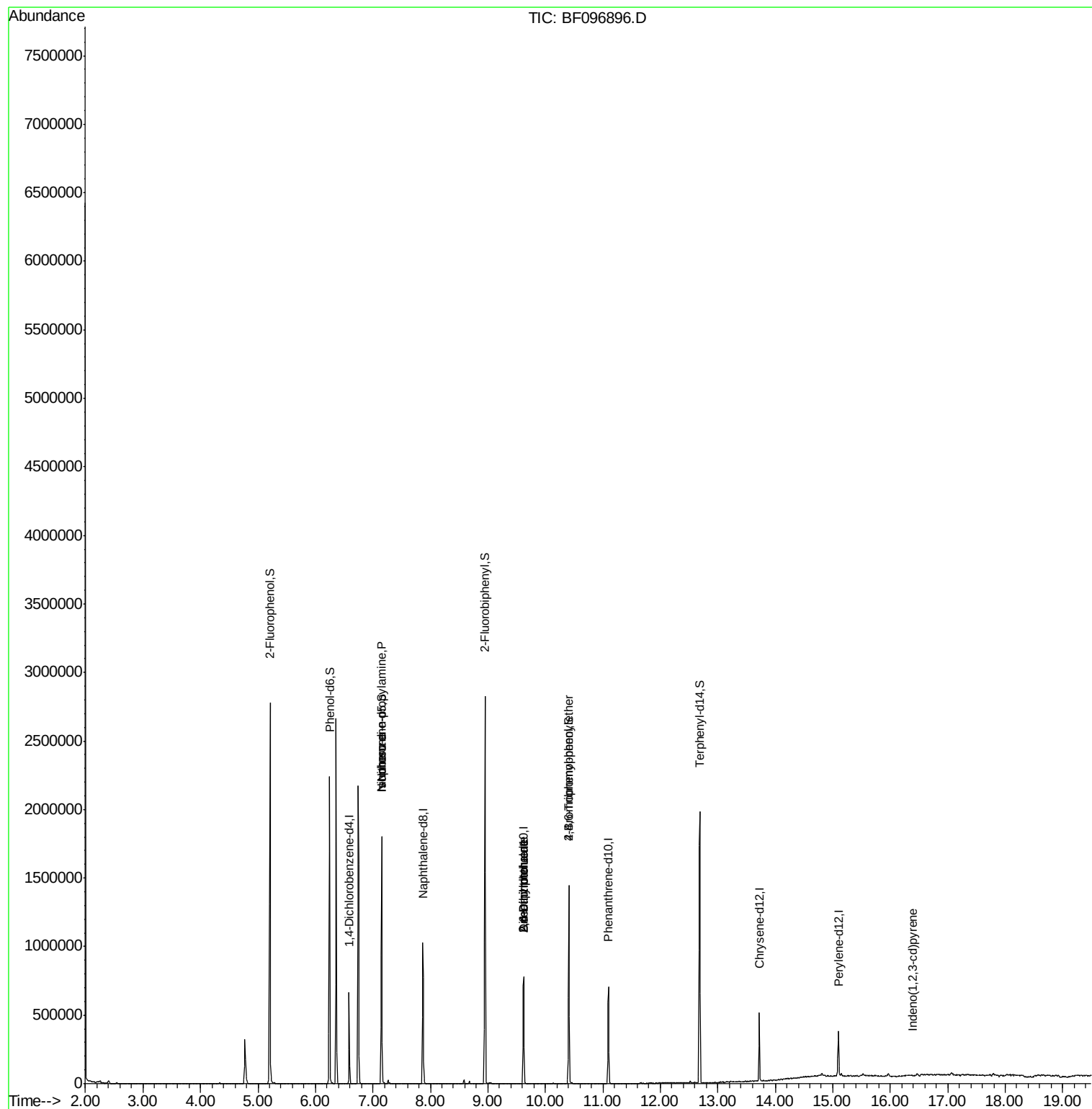
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.59	152	99282	20.00	ng	-0.01
21) Naphthalene-d8	7.87	136	468125	20.00	ng	-0.02
38) Acenaphthene-d10	9.62	164	164108	20.00	ng	-0.01
63) Phenanthrene-d10	11.10	188	248418	20.00	ng	0.00
75) Chrysene-d12	13.72	240	166087	20.00	ng	-0.01
86) Perylene-d12	15.10	264	130490	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.21	112	810045	122.68	ng	0.01
7) Phenol-d6	6.25	99	802860	101.32	ng	0.00
23) Nitrobenzene-d5	7.16	82	580999	76.88	ng	-0.01
41) 2,4,6-Tribromophenol	10.41	330	174309	124.44	ng	-0.01
44) 2-Fluorobiphenyl	8.95	172	981024	94.45	ng	-0.01
78) Terphenyl-d14	12.69	244	648168	67.68	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.16	70	78342	16.411	ng	# 87
25) Isophorone	7.16	82	577249	41.058	ng	# 67
49) Dimethylphthalate	9.62	163	48706	3.942	ng	# 1
50) 2,6-Dinitrotoluene	9.62	165	21823	8.154	ng	# 31
56) 2,4-Dinitrotoluene	9.62	165	21823	6.345	ng	# 31
66) 4-Bromophenyl-phenylether	10.41	248	11179	4.408	ng	# 1
85) Indeno(1,2,3-cd)pyrene	16.39	276	138	3.342	ng	# 44

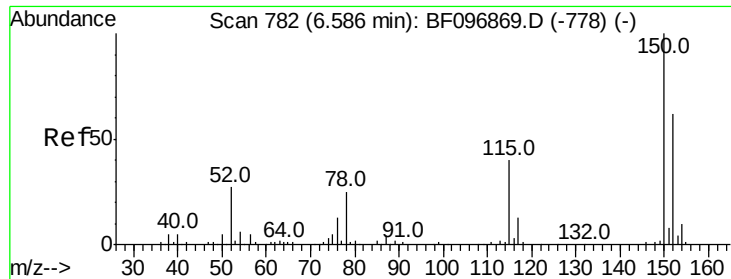
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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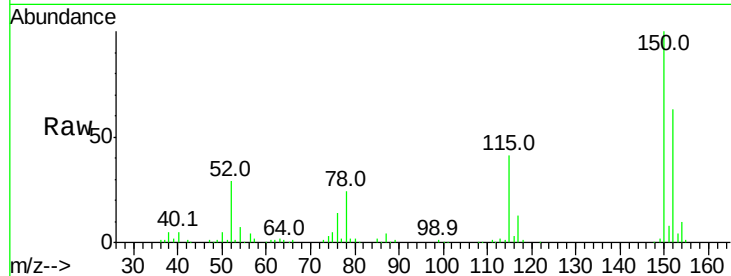


#1

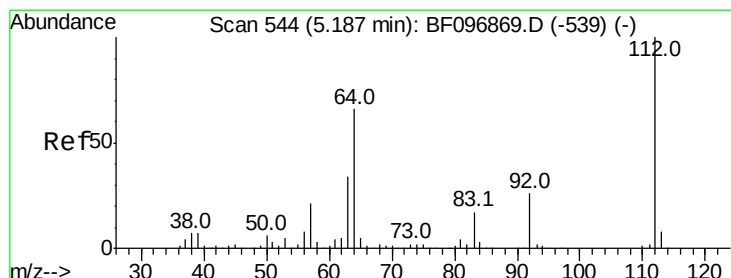
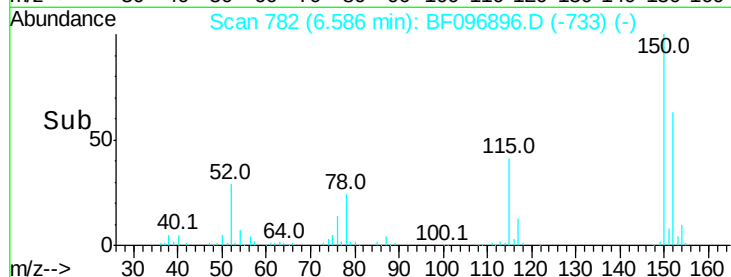
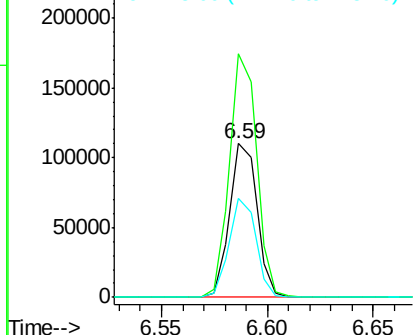
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.59 min Scan# 782
Delta R.T. -0.01 min
Lab File: BF096896.D
Acq: 20 Jul 2017 9:10

Instrument :
BNA_F
ClientSampleId :
PL-01-071717-A

Tot Ion:152 Resp: 99282
Ion Ratio Lower Upper
152 100
150 158.3 126.2 189.2
115 64.7 52.2 78.2



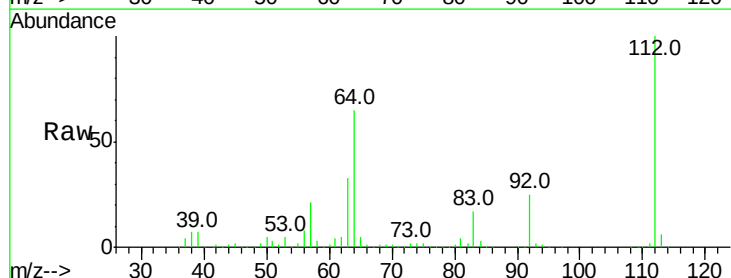
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



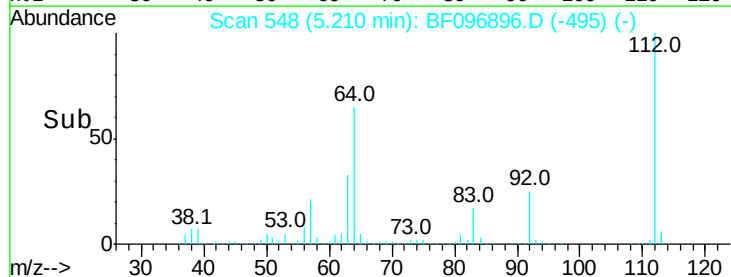
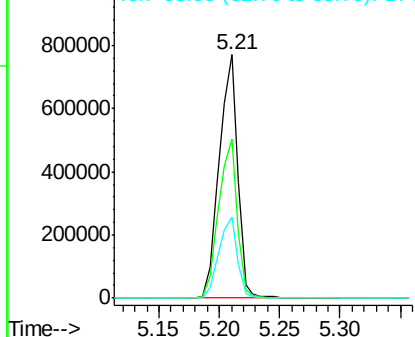
#5

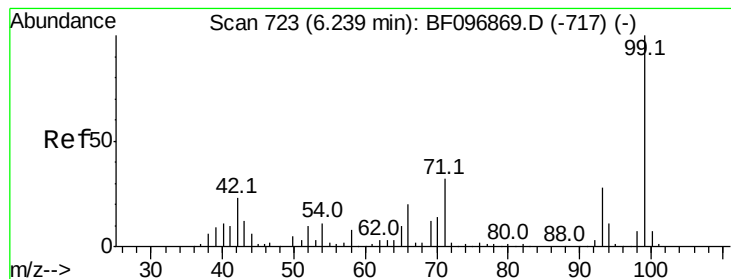
2-Fluorophenol
Concen: 122.678 ng
RT: 5.21 min Scan# 548
Delta R.T. 0.01 min
Lab File: BF096896.D
Acq: 20 Jul 2017 9:10

Tgt Ion:112 Resp: 810045
Ion Ratio Lower Upper
112 100
64 65.1 46.0 69.0
63 33.2 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: 101.322 ng

RT: 6.25 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF096896.D

Acq: 20 Jul 2017 9:10

Instrument :

BNA_F

ClientSampleId :

PL-01-071717-A

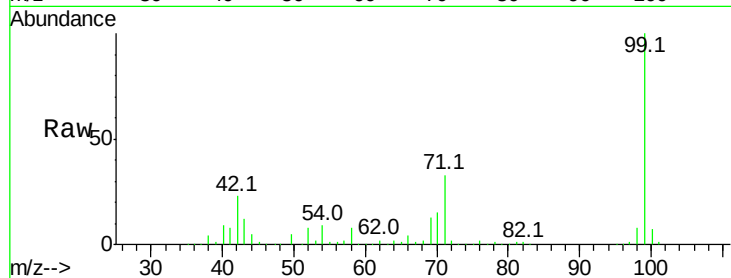
Tot Ion: 99 Resp: 802860

Ion Ratio Lower Upper

99 100

42 23.0 13.5 20.3#

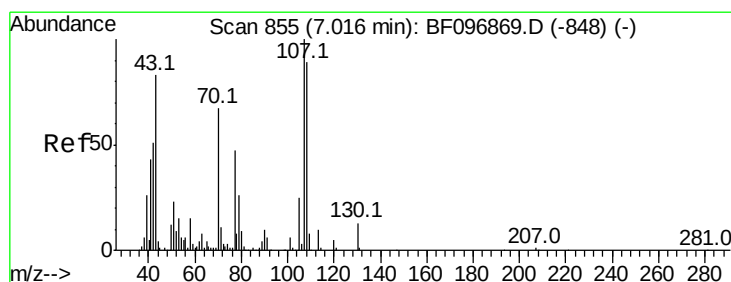
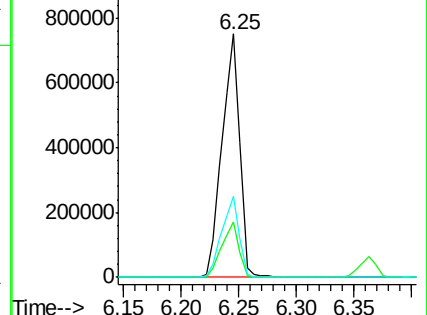
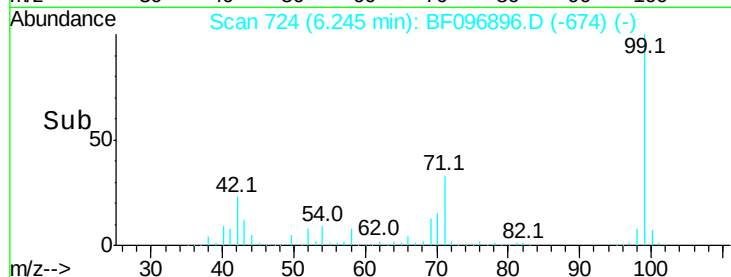
71 33.1 24.5 36.7



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: 16.411 ng

RT: 7.16 min Scan# 879

Delta R.T. 0.13 min

Lab File: BF096896.D

Acq: 20 Jul 2017 9:10

Tgt Ion: 70 Resp: 78342

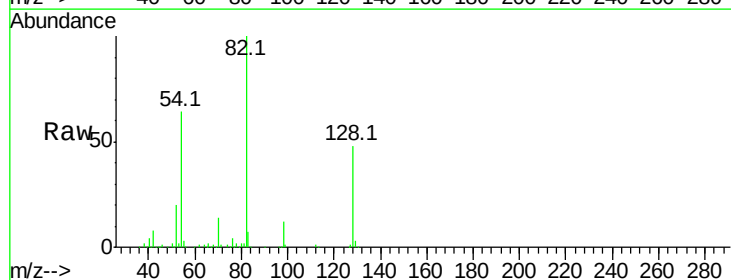
Ion Ratio Lower Upper

70 100

42 57.0 47.2 70.8

101 0.0 7.2 10.8#

130 2.9 15.9 23.9#

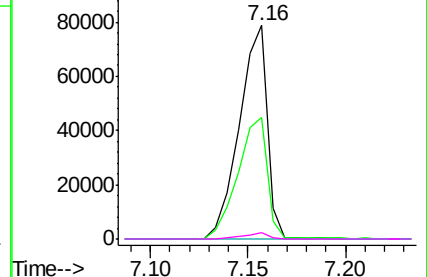
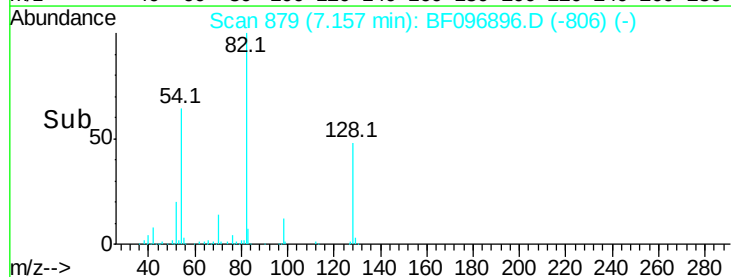


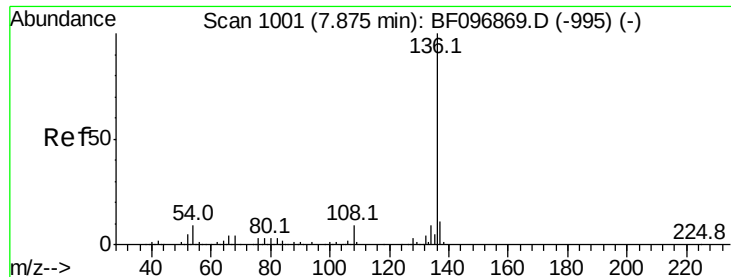
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

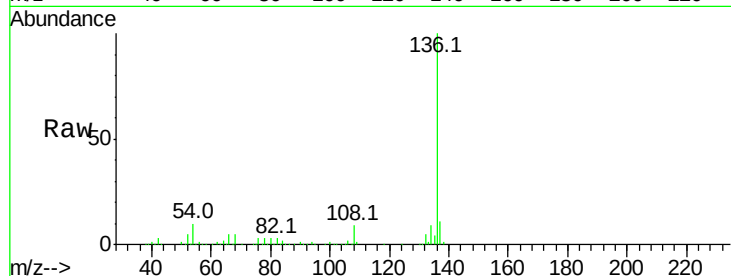




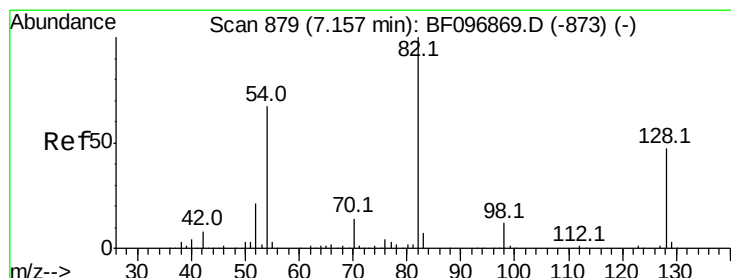
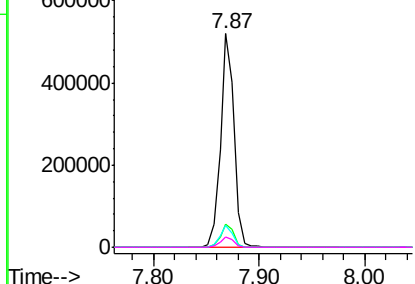
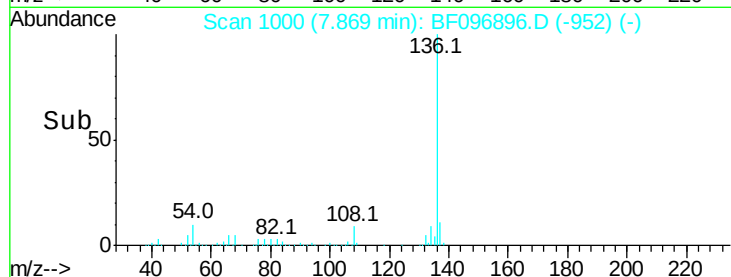
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.87 min Scan# 1000
Delta R.T. -0.02 min
Lab File: BF096896.D
Acq: 20 Jul 2017 9:10

Instrument :
BNA_F
ClientSampleId :
PL-01-071717-A

Tot Ion:	136	Resp:	468125
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.5	12.7
54	10.2	4.9	7.3#
68	5.0	4.1	6.1

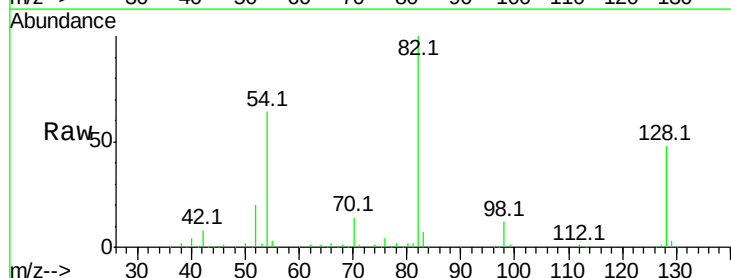


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

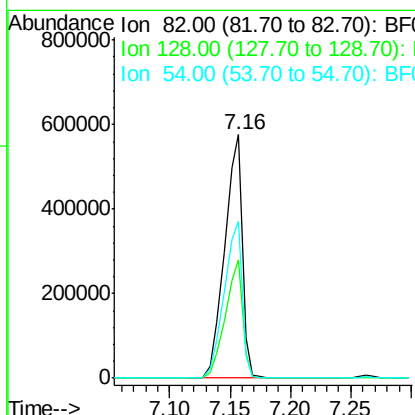
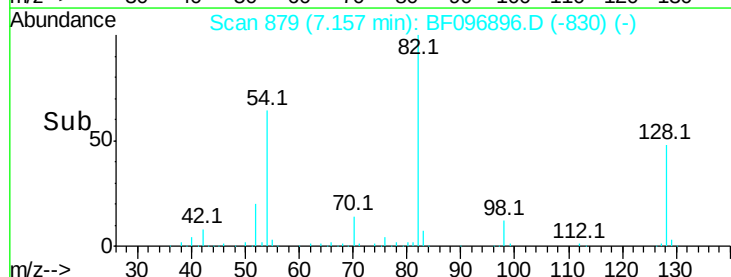


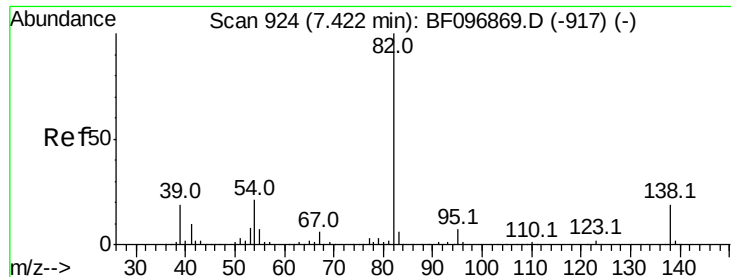
#23
Nitrobenzene-d5
Concen: 76.876 ng
RT: 7.16 min Scan# 879
Delta R.T. -0.01 min
Lab File: BF096896.D
Acq: 20 Jul 2017 9:10

Tgt Ion:	82	Resp:	580999
Ion	Ratio	Lower	Upper
82	100		
128	48.3	34.0	51.0
54	64.3	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: 41.058 ng

RT: 7.16 min Scan# 879

Delta R.T. -0.28 min

Lab File: BF096896.D

Acq: 20 Jul 2017 9:10

Instrument :

BNA_F

ClientSampleId :

PL-01-071717-A

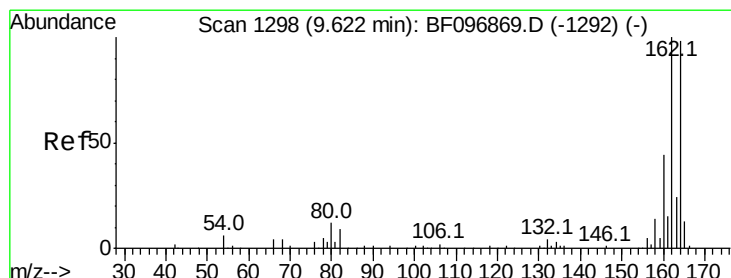
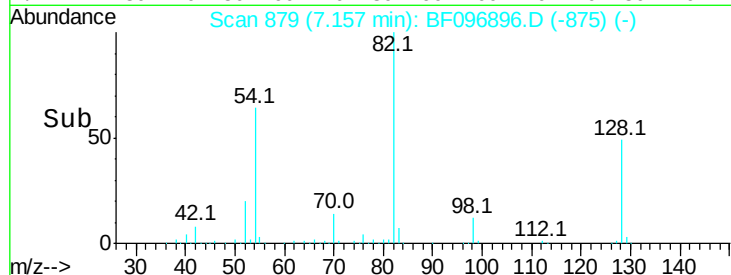
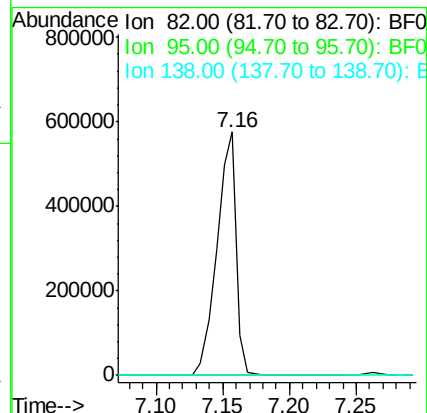
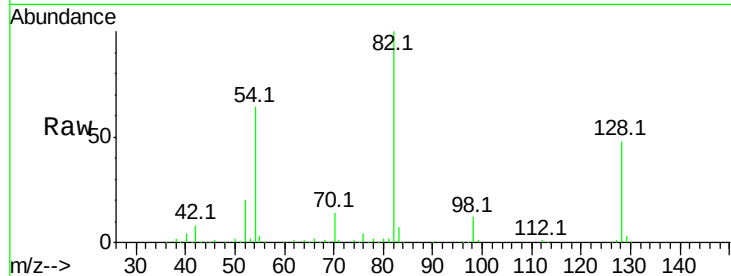
Tot Ion: 82 Resp: 577249

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

138 0.0 13.1 19.7#



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.62 min Scan# 1298

Delta R.T. -0.01 min

Lab File: BF096896.D

Acq: 20 Jul 2017 9:10

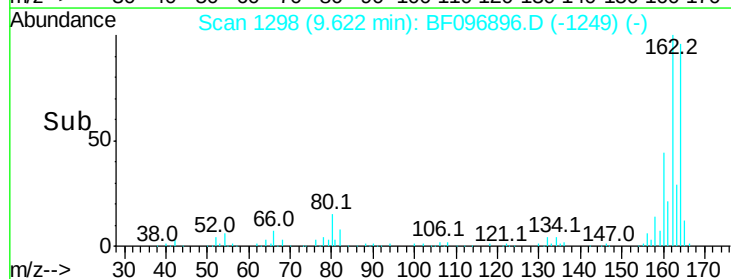
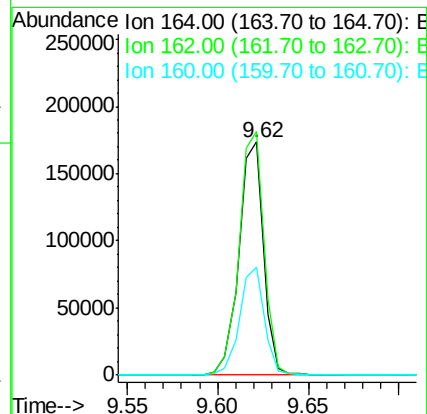
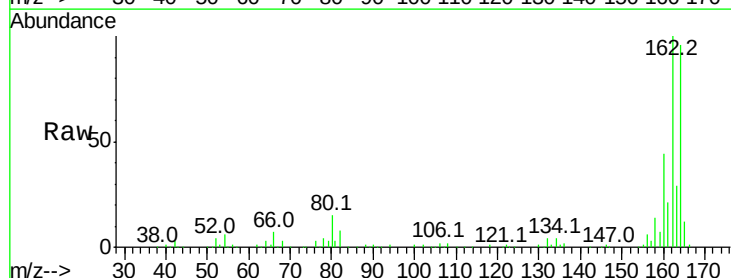
Tgt Ion:164 Resp: 164108

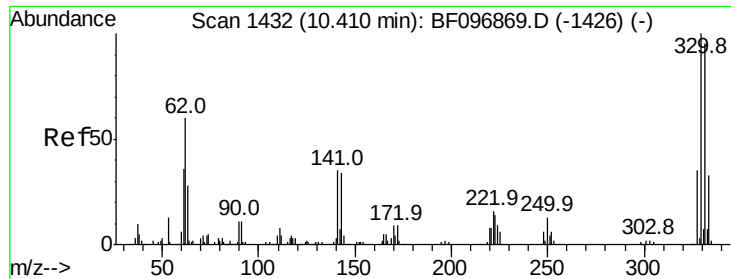
Ion Ratio Lower Upper

164 100

162 104.3 82.6 123.8

160 46.2 36.2 54.2

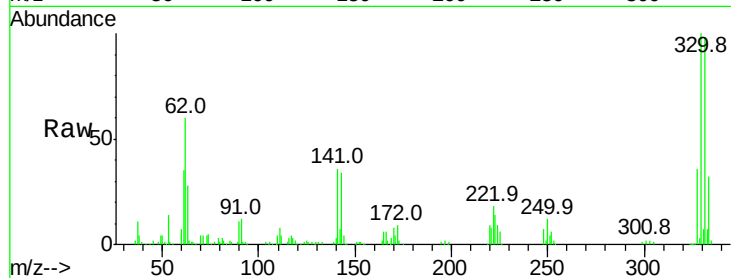




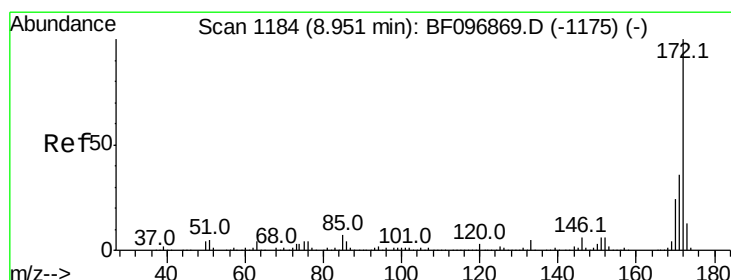
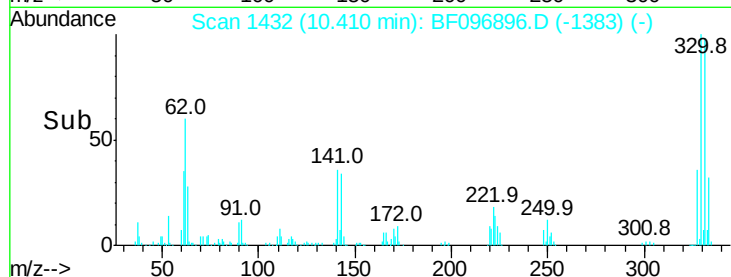
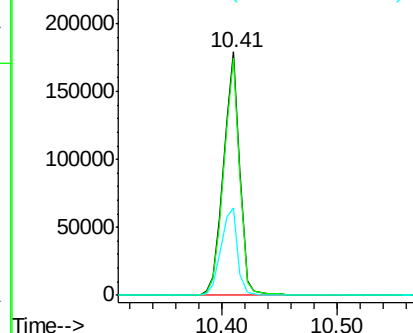
#41
 2,4,6-Tribromophenol
 Concen: 124.435 ng
 RT: 10.41 min Scan# 1432
 Delta R.T. -0.01 min
 Lab File: BF096896.D
 Acq: 20 Jul 2017 9:10

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-071717-A

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.8	76.6	115.0
141	37.2	31.4	47.2

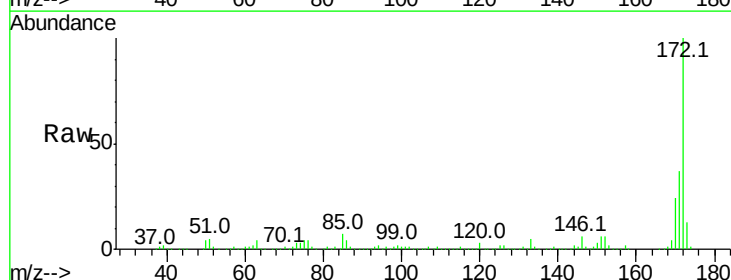


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

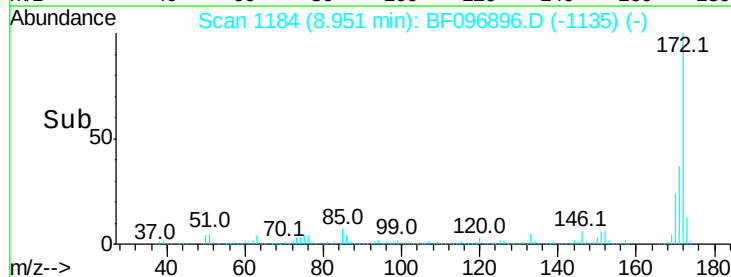
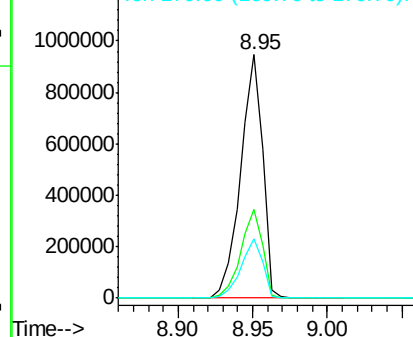


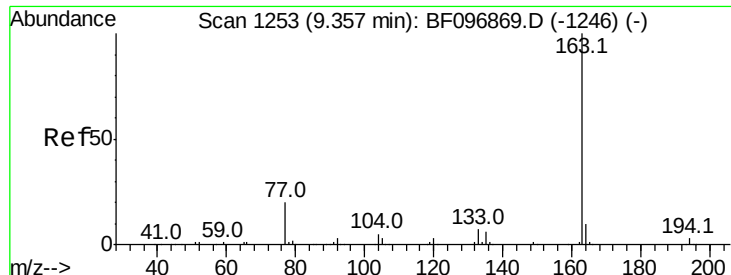
#44
 2-Fluorobiphenyl
 Concen: 94.446 ng
 RT: 8.95 min Scan# 1184
 Delta R.T. -0.01 min
 Lab File: BF096896.D
 Acq: 20 Jul 2017 9:10

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.6	44.4
170	24.5	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: 3.942 ng

RT: 9.62 min Scan# 1298

Delta R.T. 0.25 min

Lab File: BF096896.D

Acq: 20 Jul 2017 9:10

Instrument :

BNA_F

ClientSampleId :

PL-01-071717-A

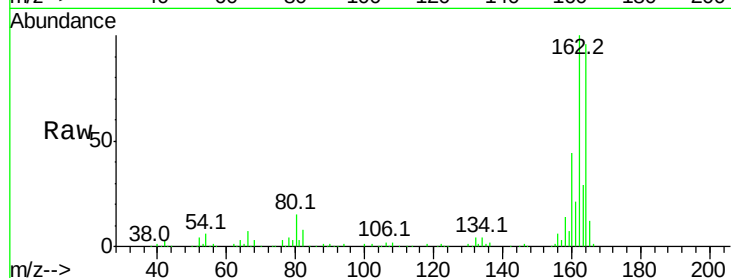
Tot Ion:163 Resp: 48706

Ion Ratio Lower Upper

163 100

194 0.0 2.6 4.0#

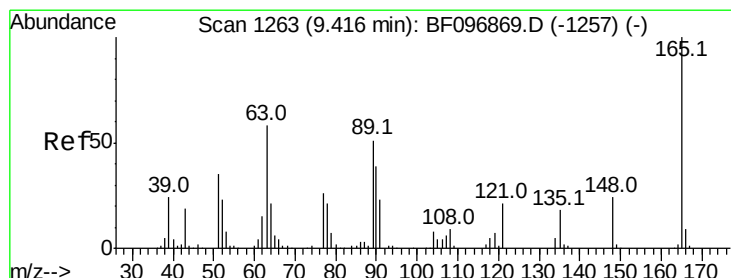
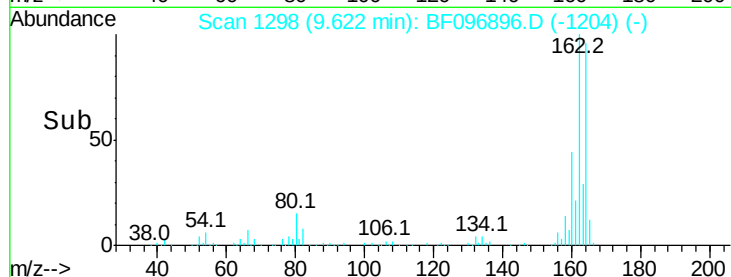
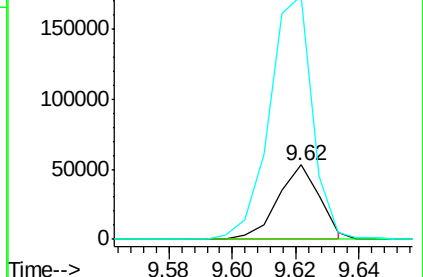
164 328.8 8.4 12.6#



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: 8.154 ng

RT: 9.62 min Scan# 1297

Delta R.T. 0.19 min

Lab File: BF096896.D

Acq: 20 Jul 2017 9:10

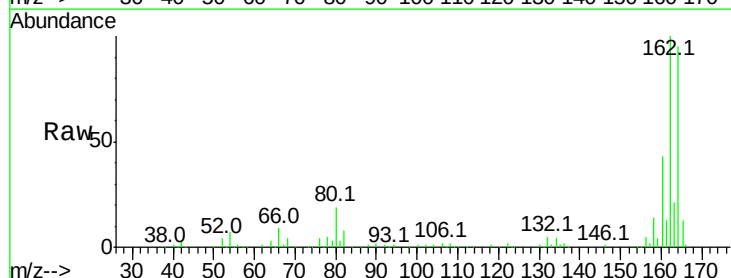
Tgt Ion:165 Resp: 21823

Ion Ratio Lower Upper

165 100

63 0.0 34.3 51.5#

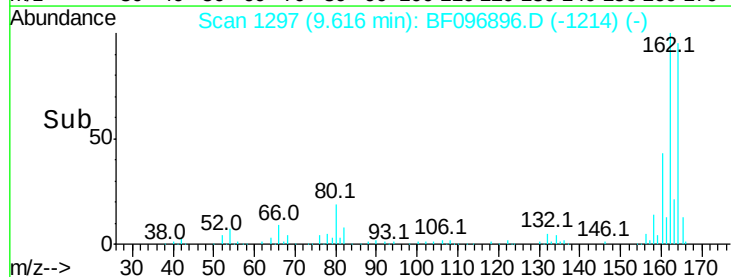
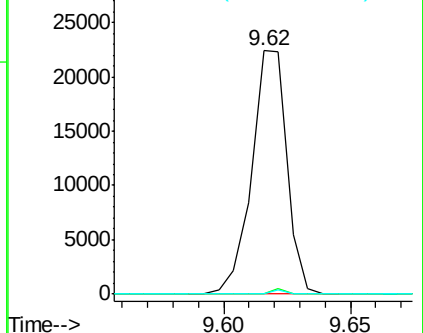
89 0.0 37.1 55.7#

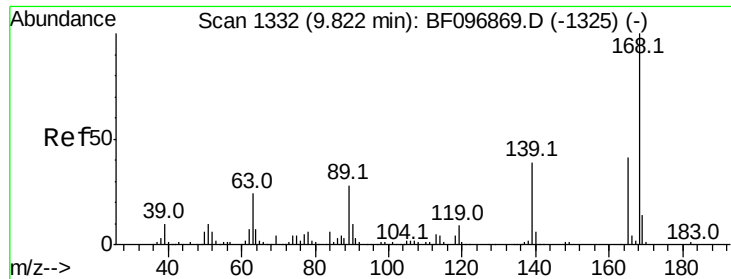


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

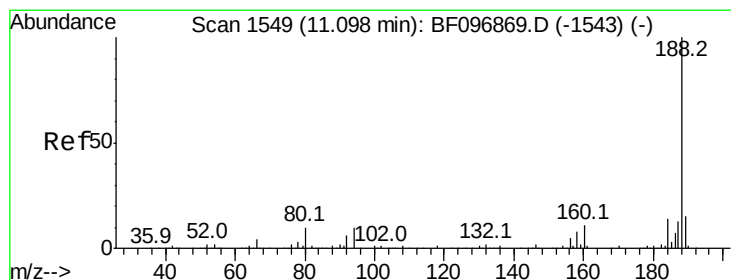
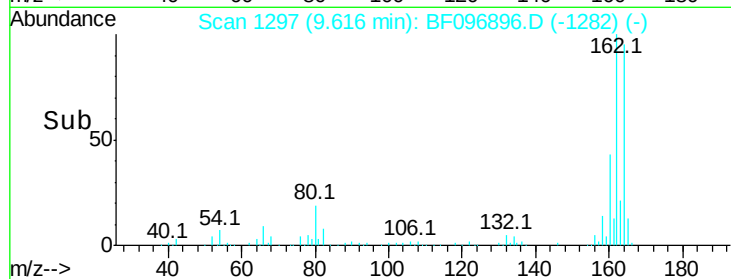
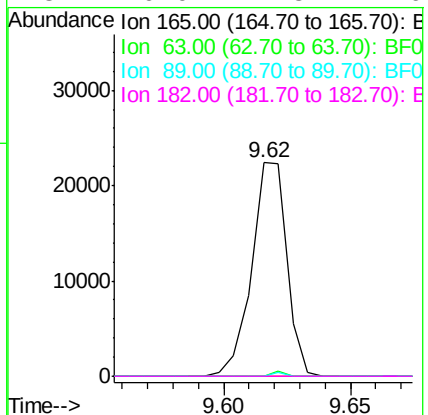
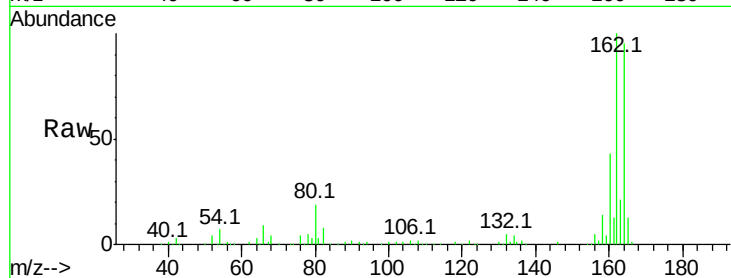




#56
 2,4-Dinitrotoluene
 Concen: 6.345 ng
 RT: 9.62 min Scan# 1297
 Delta R.T. -0.21 min
 Lab File: BF096896.D
 Acq: 20 Jul 2017 9:10

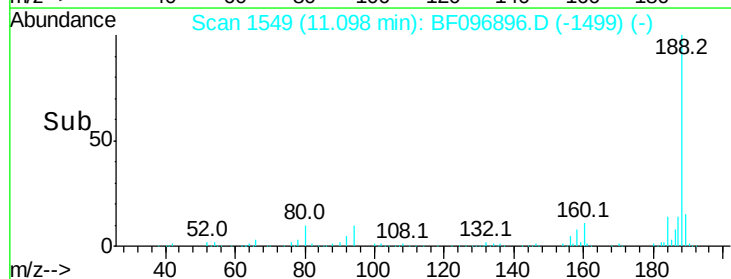
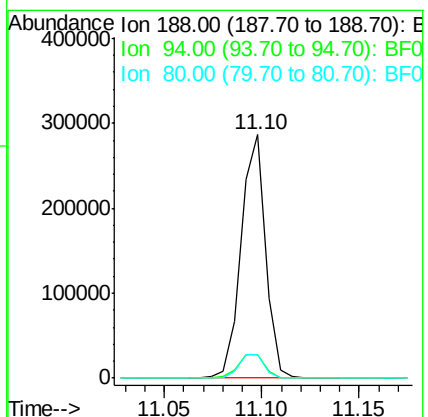
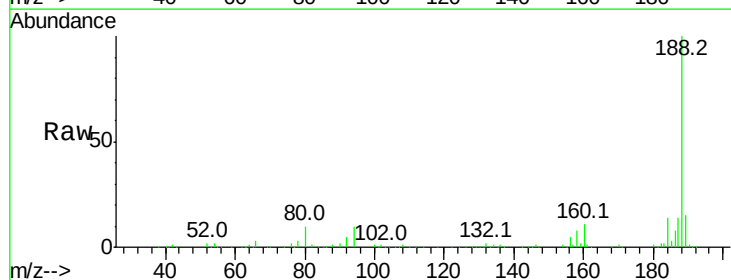
Instrument :
 BNA_F
 ClientSampleId :
 PL-01-071717-A

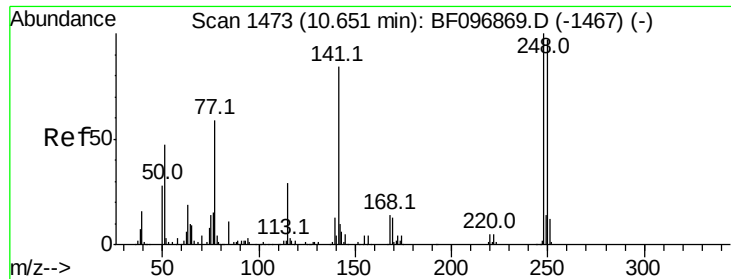
Tot Ion:165 Resp: 21823
 Ion Ratio Lower Upper
 165 100
 63 0.0 25.4 38.0#
 89 0.0 46.4 69.6#
 182 0.0 1.8 2.6#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.10 min Scan# 1549
 Delta R.T. -0.01 min
 Lab File: BF096896.D
 Acq: 20 Jul 2017 9:10

Tgt Ion:188 Resp: 248418
 Ion Ratio Lower Upper
 188 100
 94 9.8 9.4 14.2
 80 9.6 10.2 15.2#

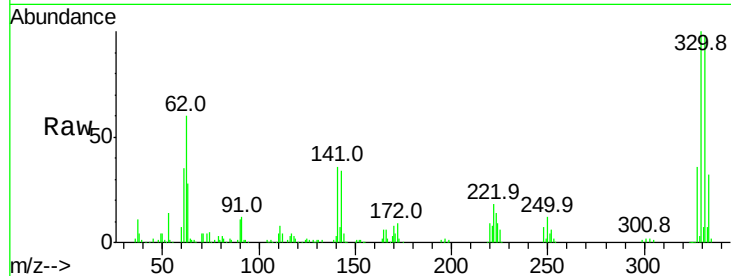




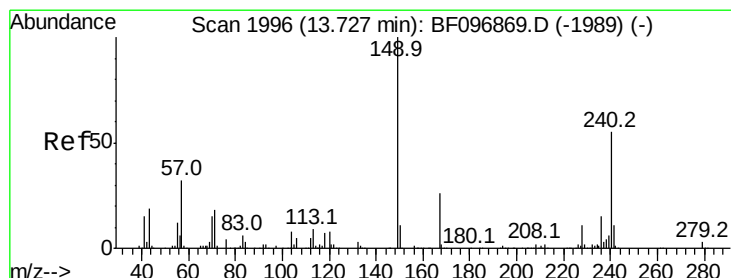
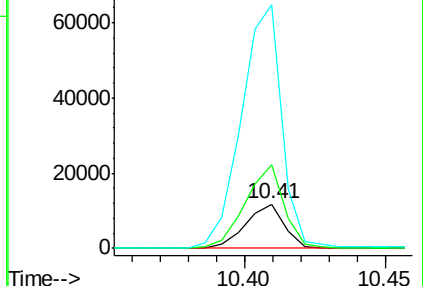
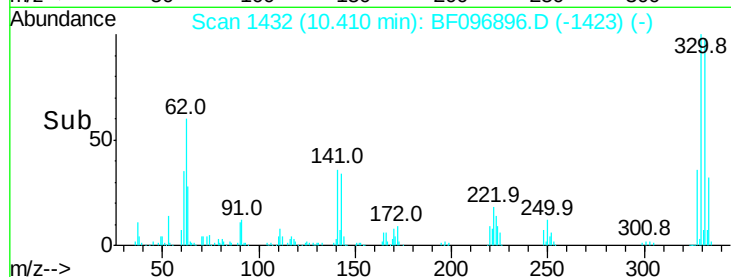
#66
4-Bromophenyl-phenylether
Concen: 4.408 ng
RT: 10.41 min Scan# 1432
Delta R.T. -0.25 min
Lab File: BF096896.D
Acq: 20 Jul 2017 9:10

Instrument :
BNA_F
ClientSampleId :
PL-01-071717-A

Tot Ion:248 Resp: 11179
Ion Ratio Lower Upper
248 100
250 189.8 76.8 115.2#
141 549.6 68.6 103.0#

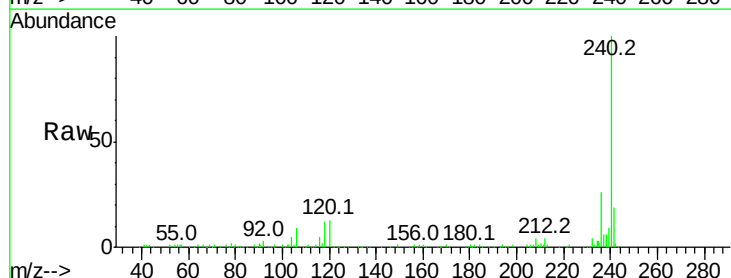


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

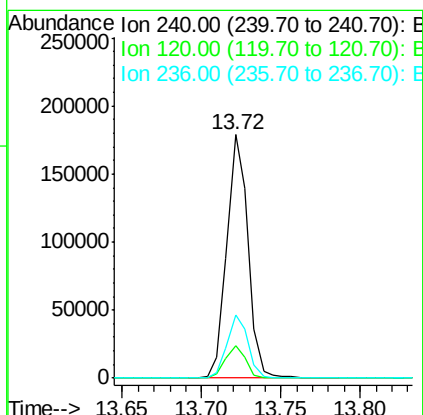
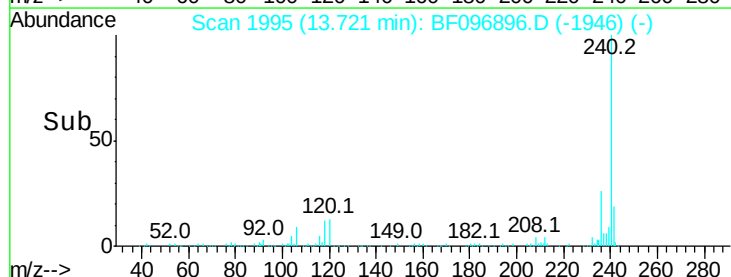


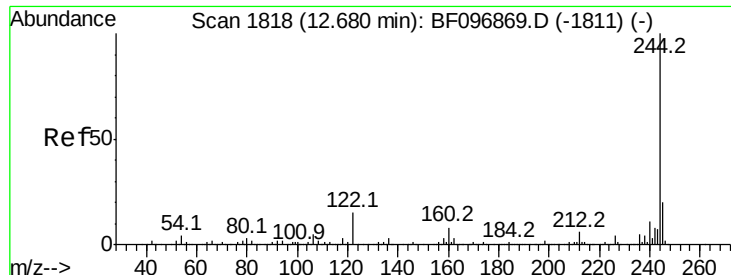
#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.72 min Scan# 1995
Delta R.T. -0.01 min
Lab File: BF096896.D
Acq: 20 Jul 2017 9:10

Tgt Ion:240 Resp: 166087
Ion Ratio Lower Upper
240 100
120 13.2 5.8 8.8#
236 25.8 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: 67.681 ng

RT: 12.69 min Scan# 1819

Delta R.T. -0.01 min

Lab File: BF096896.D

Acq: 20 Jul 2017 9:10

Instrument :

BNA_F

ClientSampleId :

PL-01-071717-A

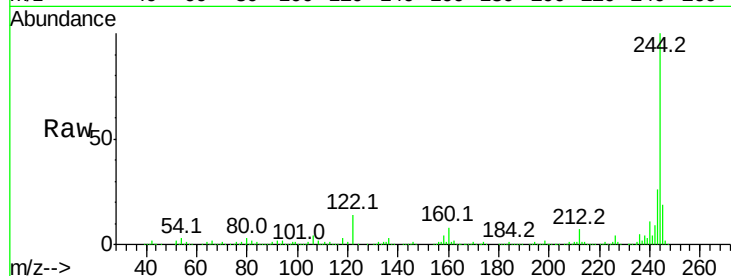
Tot Ion:244 Resp: 648168

Ion Ratio Lower Upper

244 100

212 6.8 6.0 9.0

122 13.6 10.3 15.5

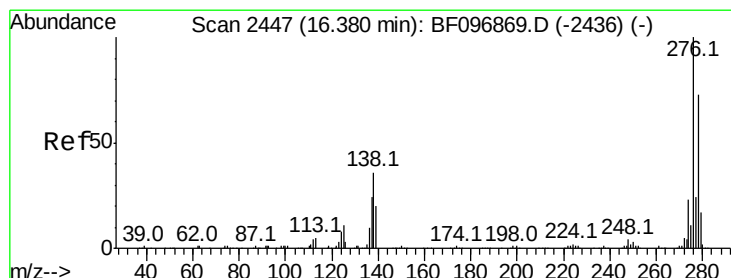
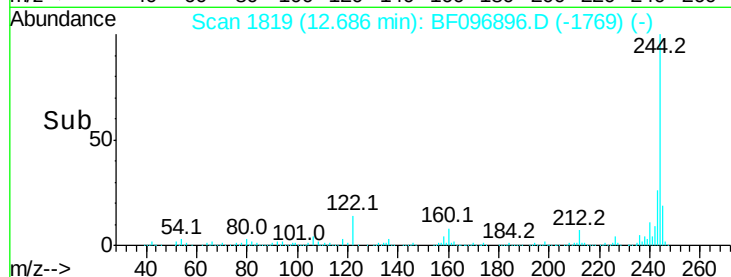
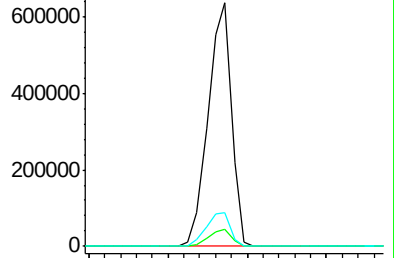


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

12.69



#85

Indeno(1,2,3-cd)pyrene

Concen: 3.342 ng

RT: 16.39 min Scan# 2449

Delta R.T. -0.00 min

Lab File: BF096896.D

Acq: 20 Jul 2017 9:10

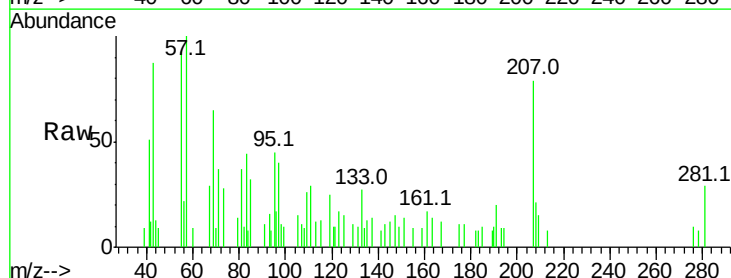
Tgt Ion:276 Resp: 138

Ion Ratio Lower Upper

276 100

138 0.0 27.8 41.6#

277 0.0 20.2 30.4#

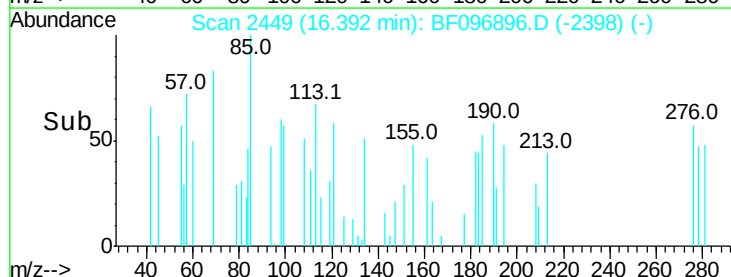
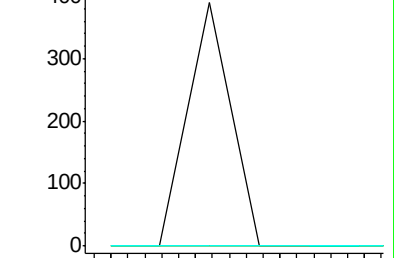


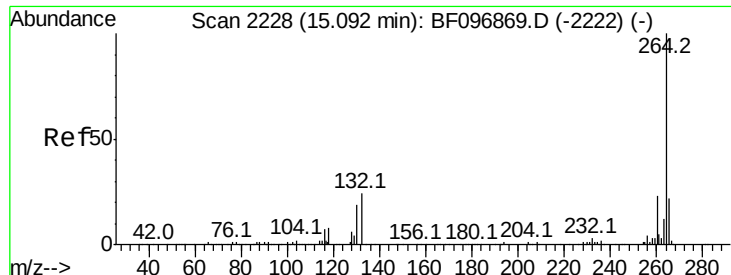
Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

16.39

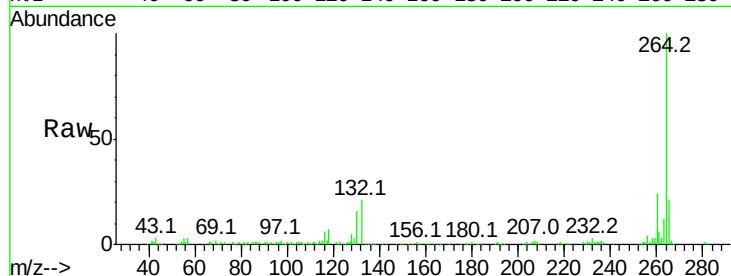




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.10 min Scan# 2229
Delta R.T. -0.01 min
Lab File: BF096896.D
Acq: 20 Jul 2017 9:10

Instrument :
BNA_F
ClientSampleId :
PL-01-071717-A

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.5	29.3
265	20.9	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

