

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF071417\
 Data File : BF096766.D
 Acq On : 14 Jul 2017 10:50
 Operator : SJ/JU
 Sample : I4113-05RE
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 14 12:33:15 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF071317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 13 14:49:34 2017
 Response via : Initial Calibration

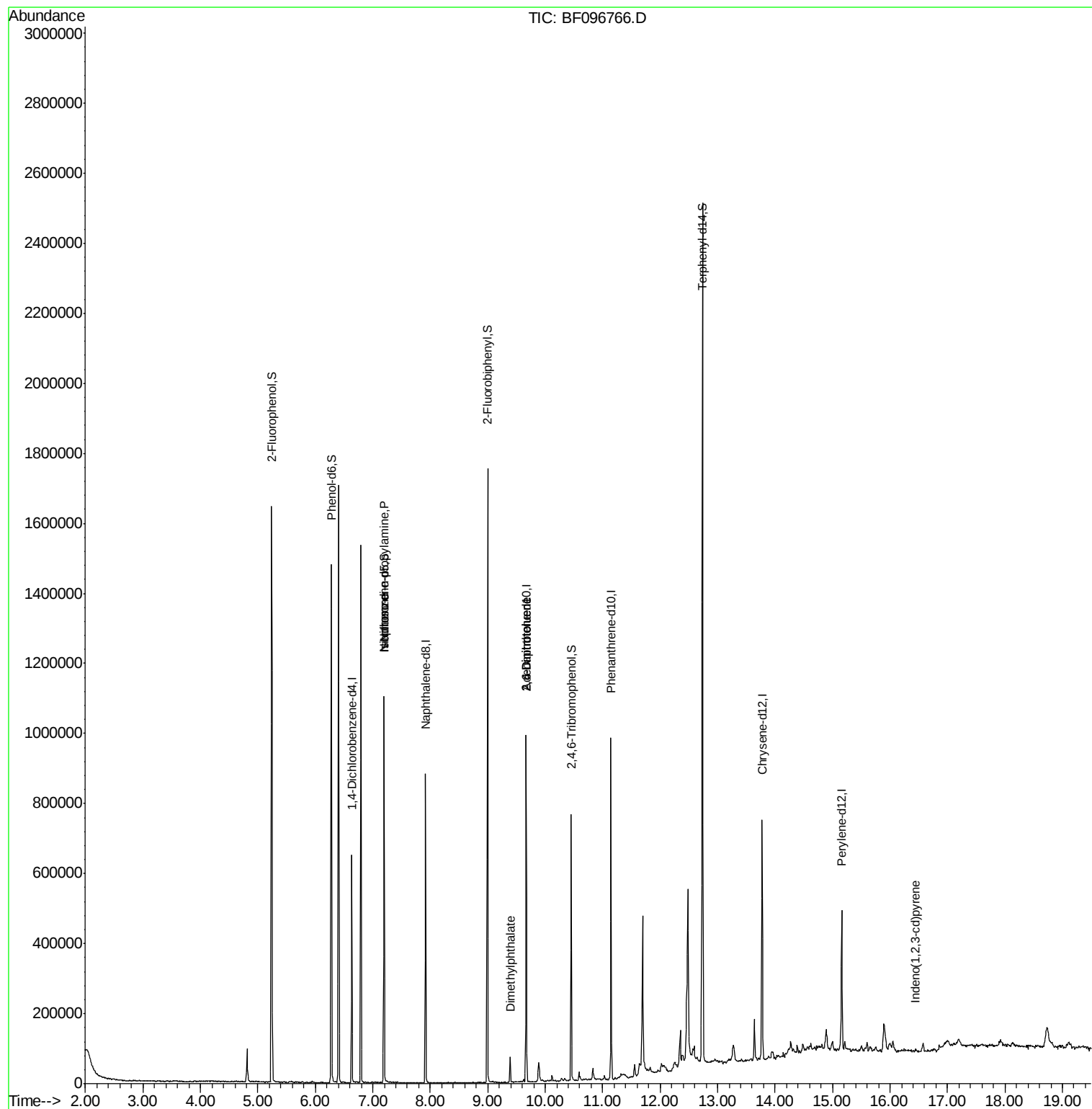
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.63	152	99177	20.00	ng	0.00
21) Naphthalene-d8	7.92	136	415659	20.00	ng	0.00
38) Acenaphthene-d10	9.67	164	186609	20.00	ng	0.00
63) Phenanthrene-d10	11.15	188	324889	20.00	ng	0.00
75) Chrysene-d12	13.77	240	213759	20.00	ng	0.00
86) Perylene-d12	15.16	264	167131	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.24	112	447273	67.81	ng	0.00
7) Phenol-d6	6.28	99	489696	61.87	ng	0.00
23) Nitrobenzene-d5	7.20	82	305255	45.49	ng	0.00
41) 2,4,6-Tribromophenol	10.45	330	77277	48.51	ng	0.00
44) 2-Fluorobiphenyl	9.00	172	557135	47.17	ng	0.00
78) Terphenyl-d14	12.74	244	832188	67.52	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.20	70	40456	8.484	ng	# 86
25) Isophorone	7.20	82	302549	24.236	ng	# 67
49) Dimethylphthalate	9.39	163	30037	2.138	ng	# 99
50) 2,6-Dinitrotoluene	9.67	165	23483	7.716	ng	# 34
56) 2,4-Dinitrotoluene	9.67	165	23483	6.005	ng	# 33
85) Indeno(1,2,3-cd)pyrene	16.45	276	285	3.350	ng	# 1

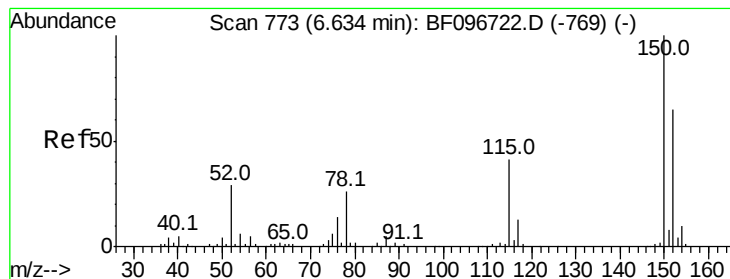
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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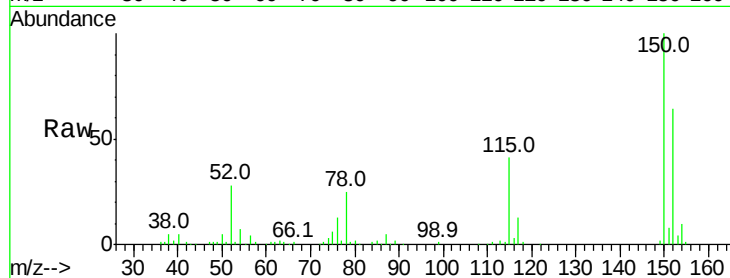


#1

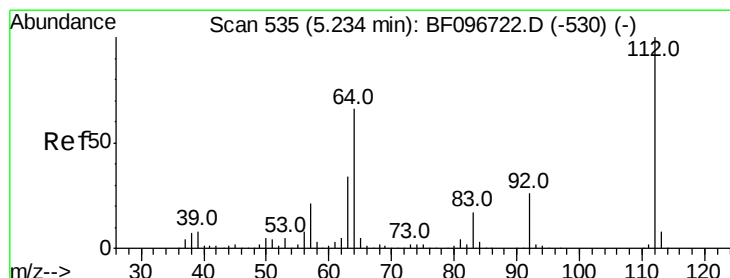
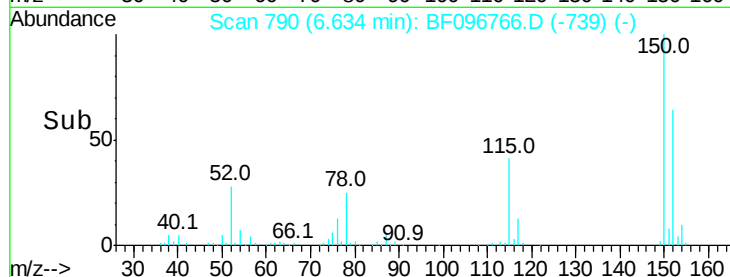
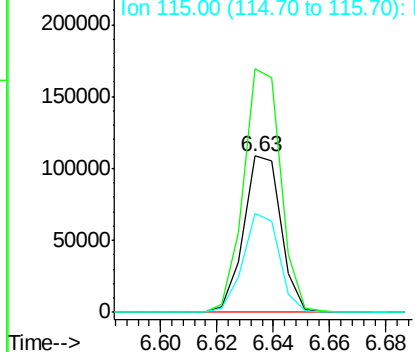
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.63 min Scan# 790
Delta R.T. -0.00 min
Lab File: BF096766.D
Acq: 14 Jul 2017 10:50

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 99177
Ion Ratio Lower Upper
152 100
150 156.0 126.2 189.2
115 63.5 52.2 78.2



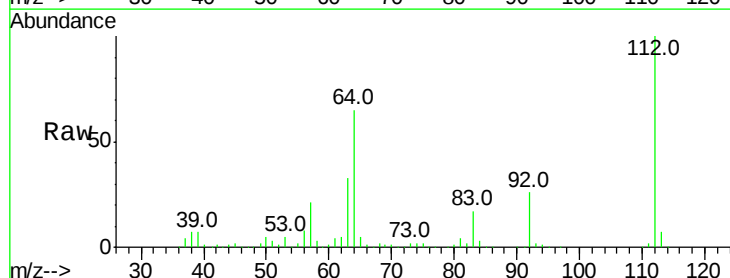
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



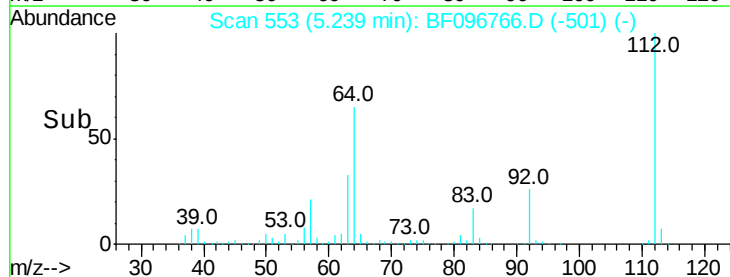
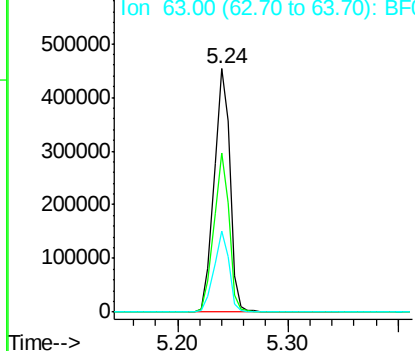
#5

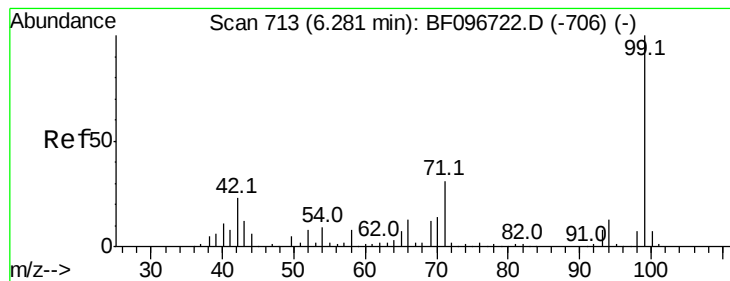
2-Fluorophenol
Concen: 67.809 ng
RT: 5.24 min Scan# 553
Delta R.T. 0.01 min
Lab File: BF096766.D
Acq: 14 Jul 2017 10:50

Tgt Ion:112 Resp: 447273
Ion Ratio Lower Upper
112 100
64 65.2 46.0 69.0
63 33.1 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: 61.866 ng

RT: 6.28 min Scan# 730

Delta R.T. -0.00 min

Lab File: BF096766.D

Acq: 14 Jul 2017 10:50

Instrument :

BNA_F

ClientSampleId :

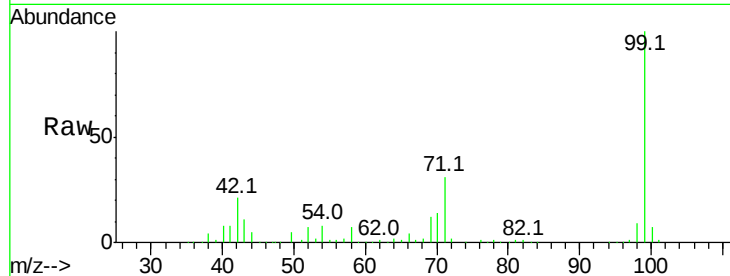
Tot Ion: 99 Resp: 489696

Ion Ratio Lower Upper

99 100

42 20.7 13.5 20.3#

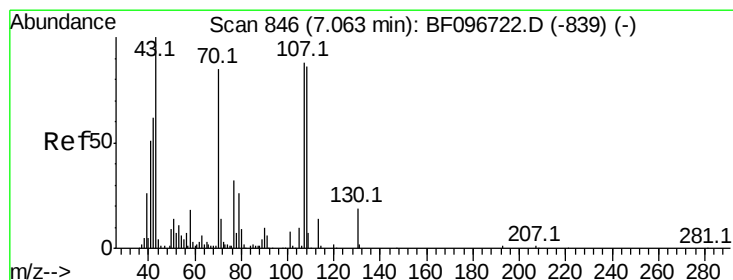
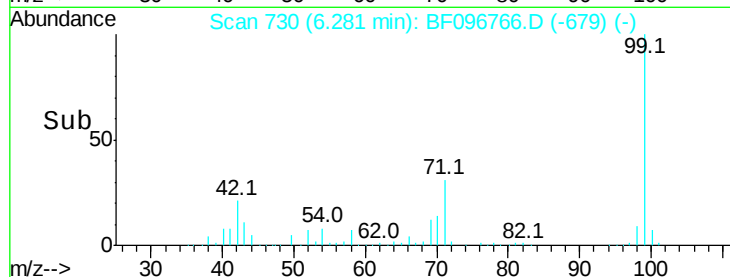
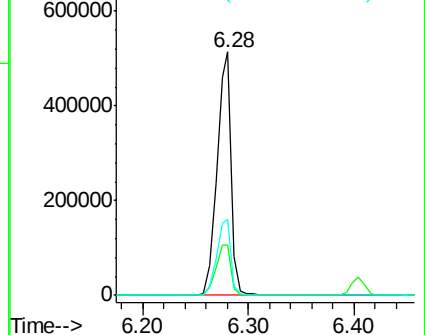
71 31.0 24.5 36.7



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: 8.484 ng

RT: 7.20 min Scan# 886

Delta R.T. 0.14 min

Lab File: BF096766.D

Acq: 14 Jul 2017 10:50

Tgt Ion: 70 Resp: 40456

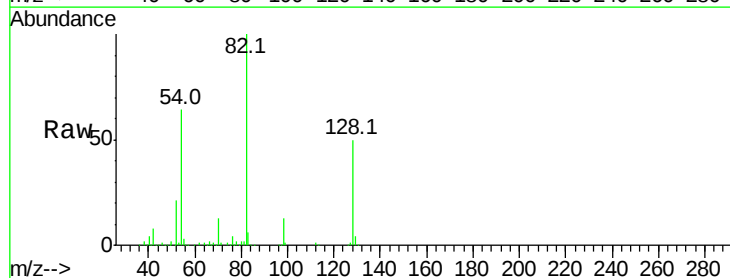
Ion Ratio Lower Upper

70 100

42 56.0 47.2 70.8

101 0.0 7.2 10.8#

130 2.4 15.9 23.9#

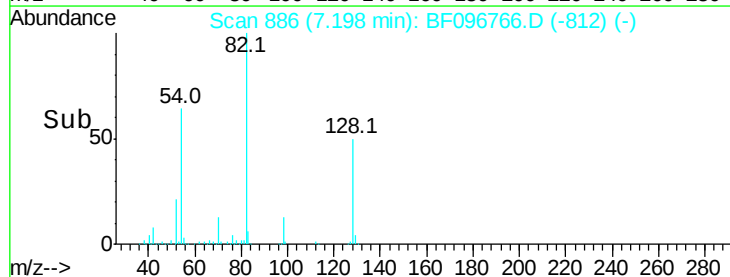
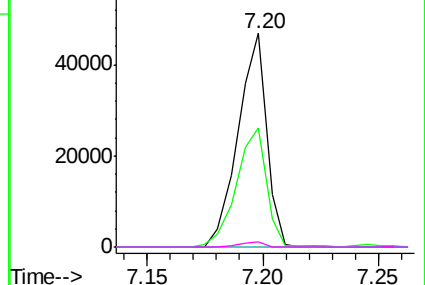


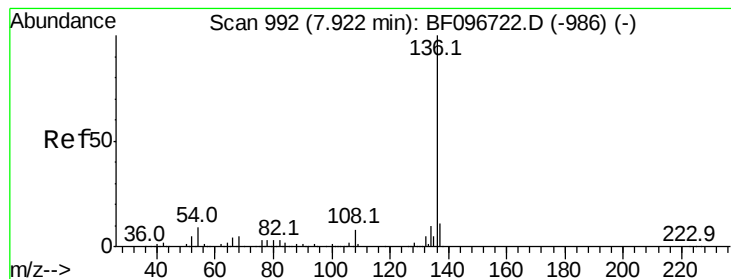
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 7.92 min Scan# 1008

Delta R.T. -0.01 min

Lab File: BF096766.D

Acq: 14 Jul 2017 10:50

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 415659

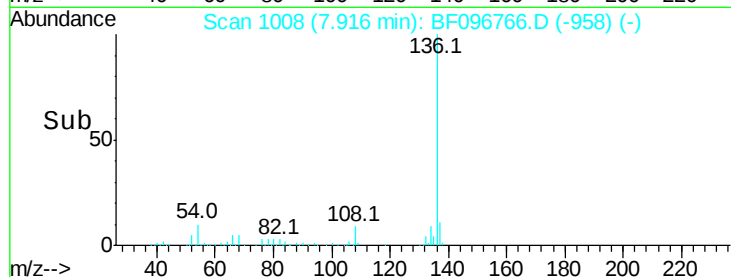
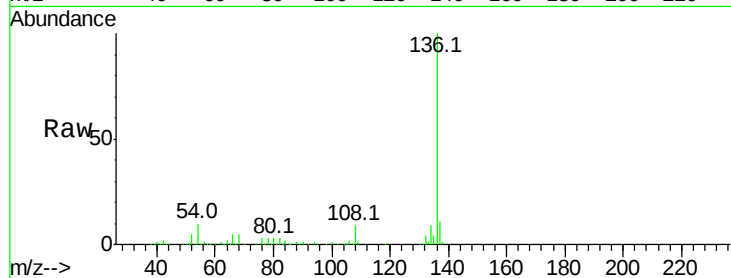
Ion Ratio Lower Upper

136 100

137 10.6 8.5 12.7

54 10.3 4.9 7.3#

68 4.9 4.1 6.1

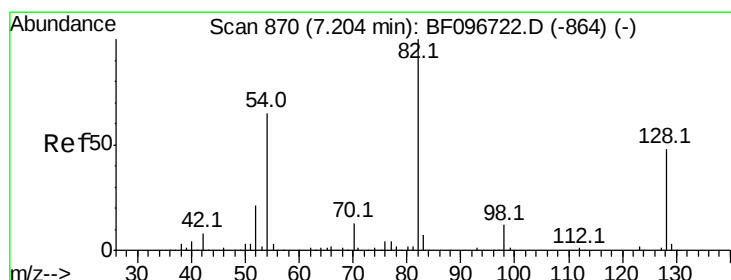
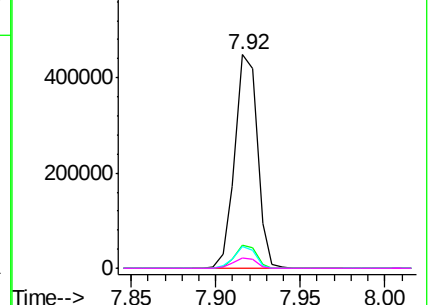


Abundance Ion 136.00 (135.70 to 136.70): E

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: 45.489 ng

RT: 7.20 min Scan# 886

Delta R.T. -0.01 min

Lab File: BF096766.D

Acq: 14 Jul 2017 10:50

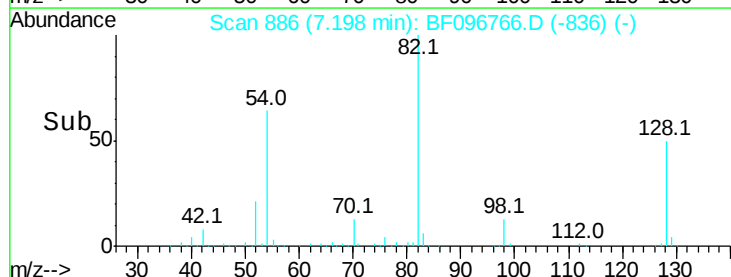
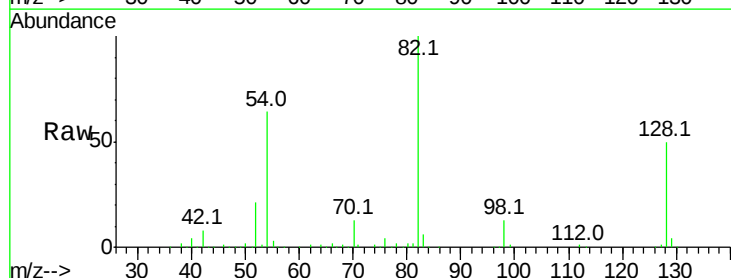
Tgt Ion: 82 Resp: 305255

Ion Ratio Lower Upper

82 100

128 49.9 34.0 51.0

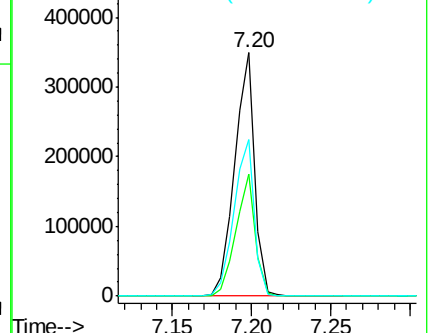
54 64.5 42.2 63.2#

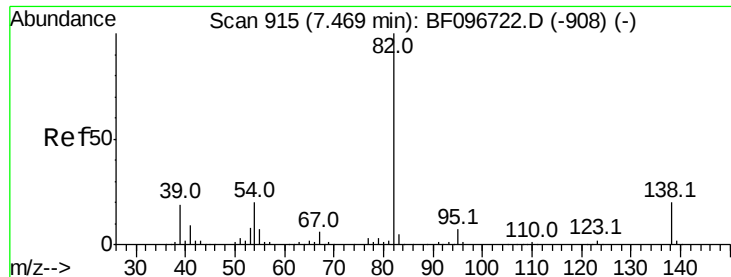


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 24.236 ng

RT: 7.20 min Scan# 886

Delta R.T. -0.27 min

Lab File: BF096766.D

Acq: 14 Jul 2017 10:50

Instrument :

BNA_F

ClientSampled :

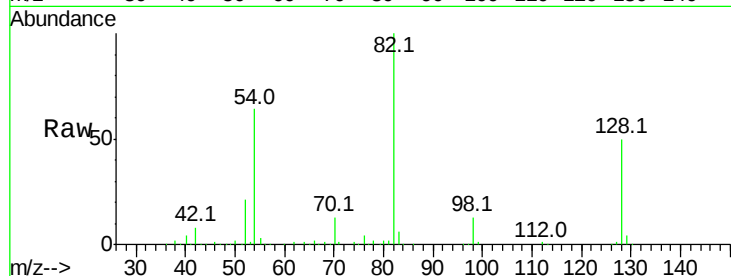
Tot Ion: 82 Resp: 302549

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

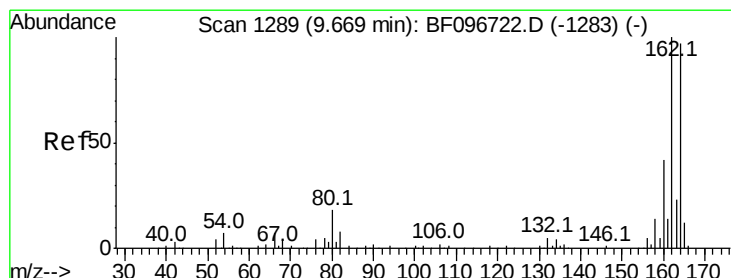
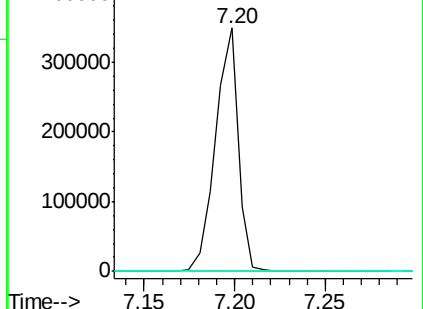
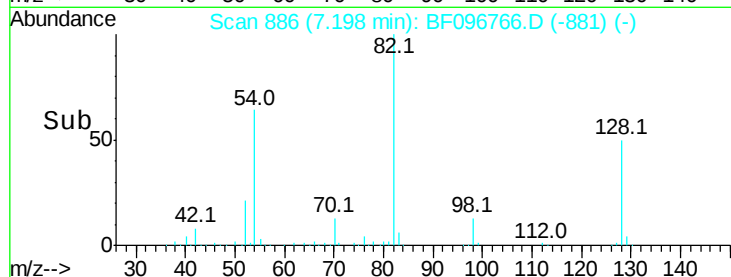
138 0.0 13.1 19.7#



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: 9.67 min Scan# 1306

Delta R.T. -0.00 min

Lab File: BF096766.D

Acq: 14 Jul 2017 10:50

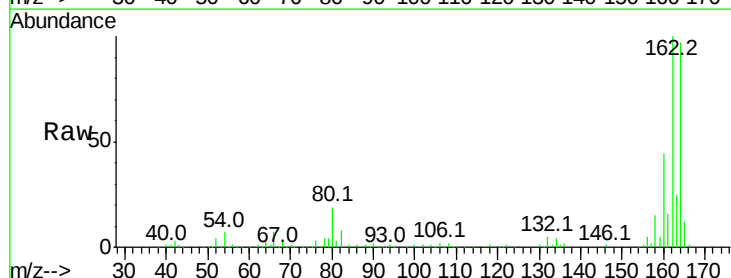
Tgt Ion:164 Resp: 186609

Ion Ratio Lower Upper

164 100

162 102.8 82.6 123.8

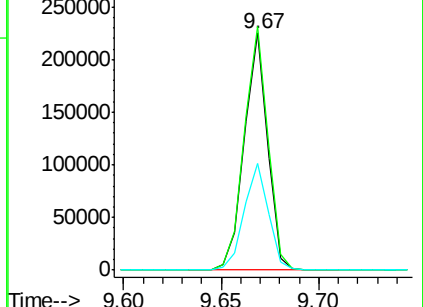
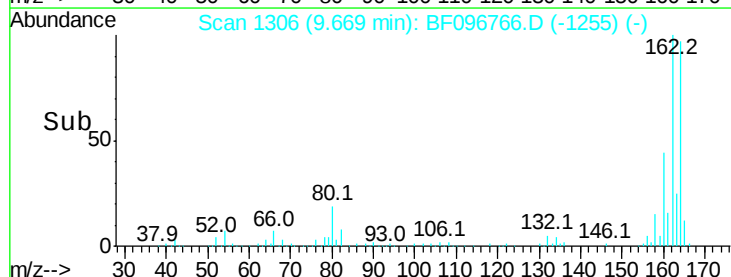
160 45.2 36.2 54.2

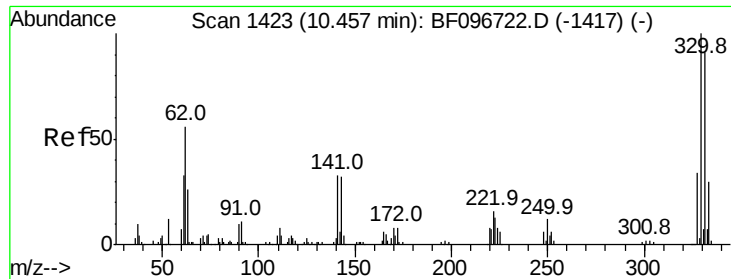


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

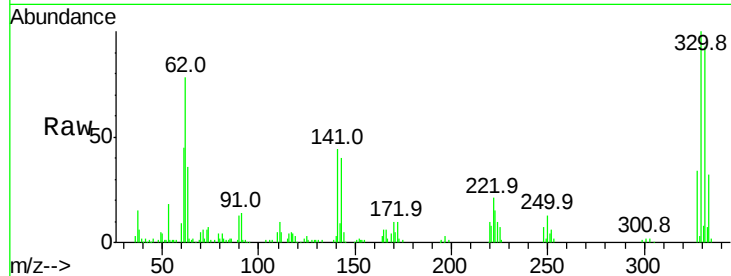




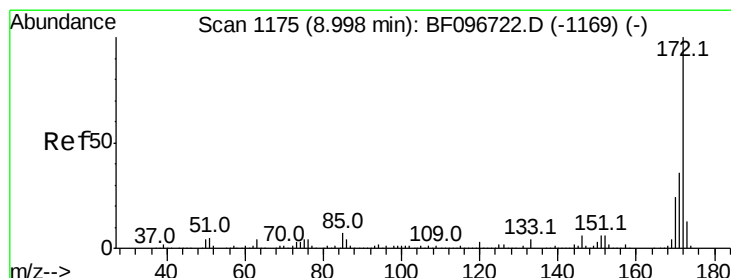
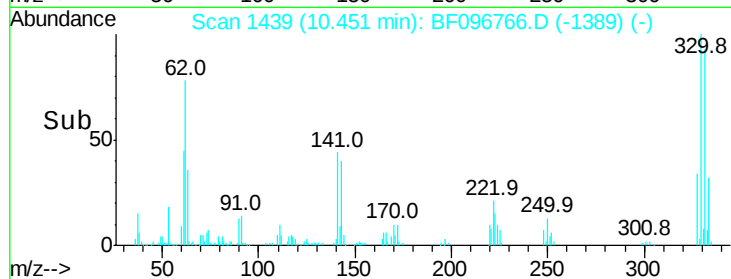
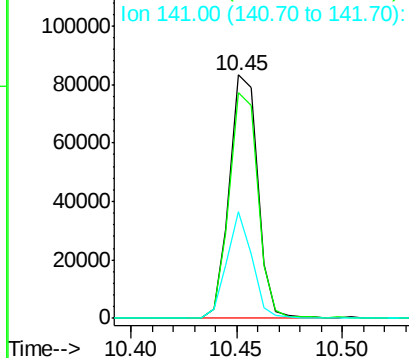
#41
 2,4,6-Tribromophenol
 Concen: 48.514 ng
 RT: 10.45 min Scan# 1439
 Delta R.T. -0.01 min
 Lab File: BF096766.D
 Acq: 14 Jul 2017 10:50

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.0	76.6	115.0
141	38.8	31.4	47.2

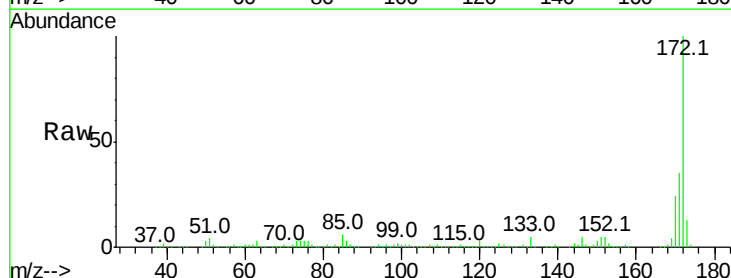


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

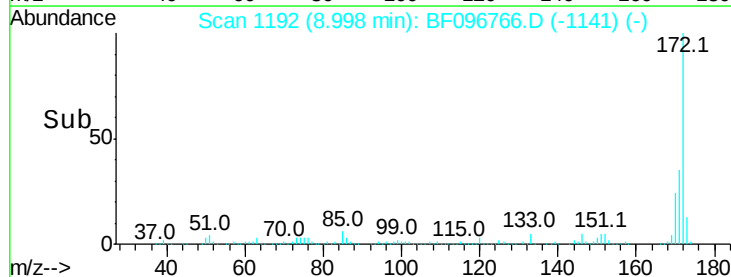
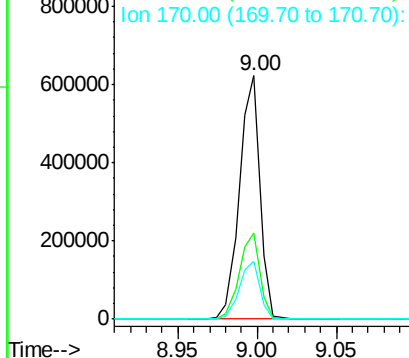


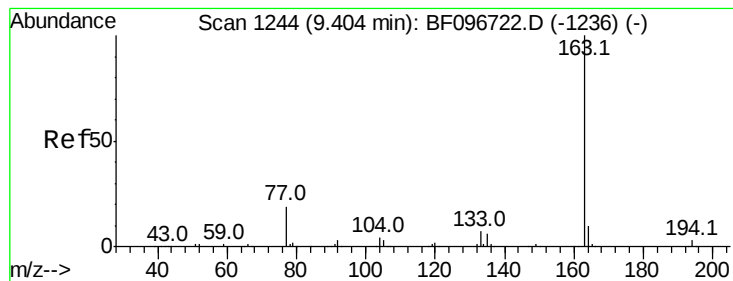
#44
 2-Fluorobiphenyl
 Concen: 47.170 ng
 RT: 9.00 min Scan# 1192
 Delta R.T. -0.00 min
 Lab File: BF096766.D
 Acq: 14 Jul 2017 10:50

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.2	29.6	44.4
170	24.0	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: 2.138 ng

RT: 9.39 min Scan# 1259

Delta R.T. -0.01 min

Lab File: BF096766.D

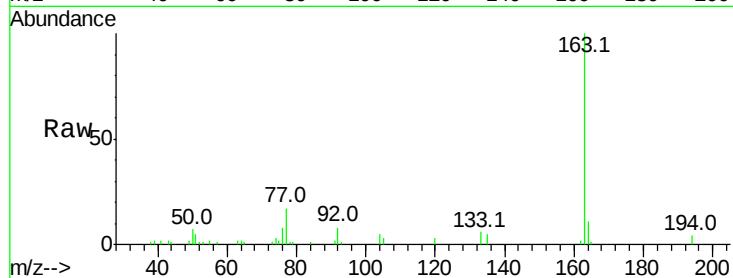
Acq: 14 Jul 2017 10:50

Instrument :

BNA_F

ClientSampled :

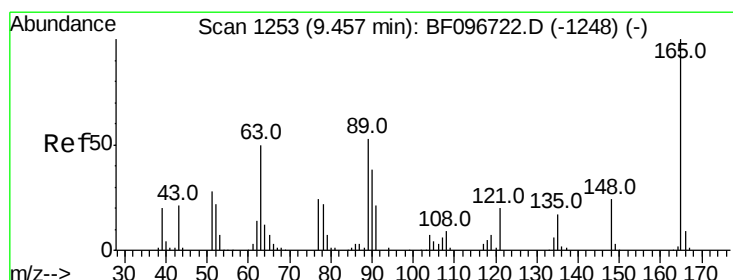
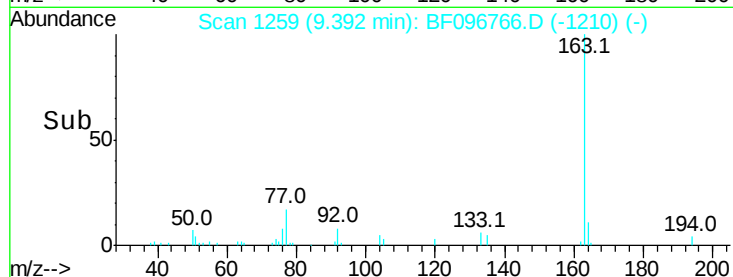
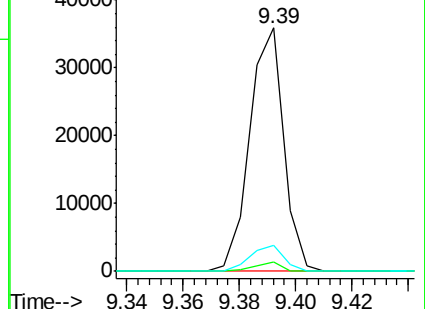
Tot Ion:163	Resp:	30037
Ion Ratio	Lower	Upper
163	100	
194	3.8	2.6 4.0
164	10.7	8.4 12.6



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: 7.716 ng

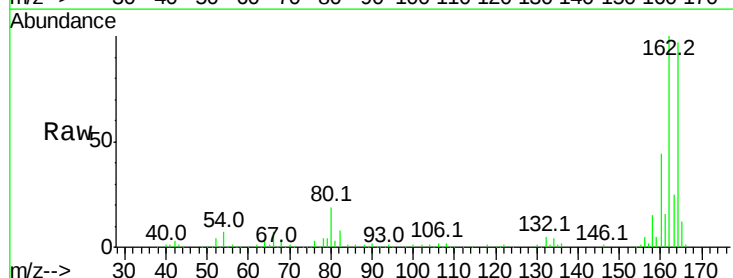
RT: 9.67 min Scan# 1306

Delta R.T. 0.21 min

Lab File: BF096766.D

Acq: 14 Jul 2017 10:50

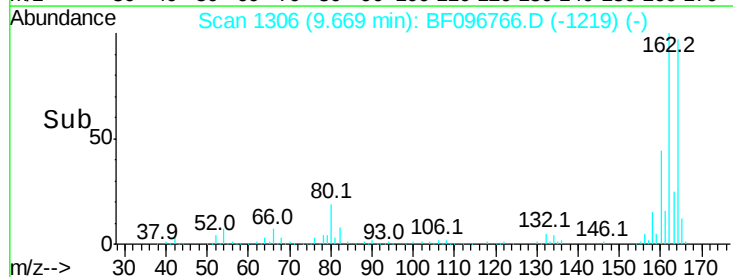
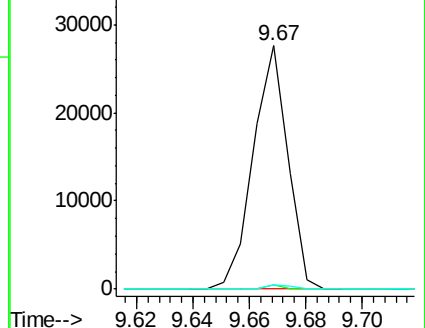
Tgt Ion:165	Resp:	23483
Ion Ratio	Lower	Upper
165	100	
63	1.7	34.3 51.5#
89	1.8	37.1 55.7#

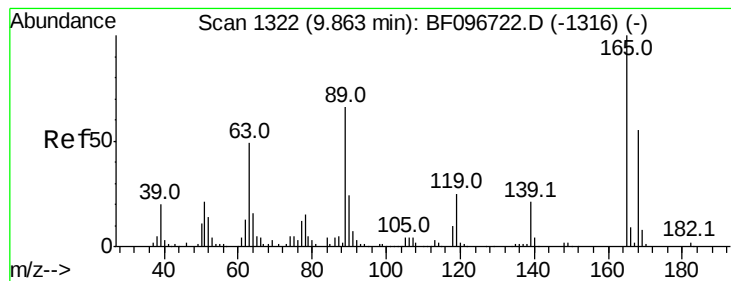


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#56

2,4-Dinitrotoluene

Concen: 6.005 ng

RT: 9.67 min Scan# 1306

Delta R.T. -0.19 min

Lab File: BF096766.D

Acq: 14 Jul 2017 10:50

Instrument :

BNA_F

ClientSampleId :

Tot Ion:165 Resp: 23483

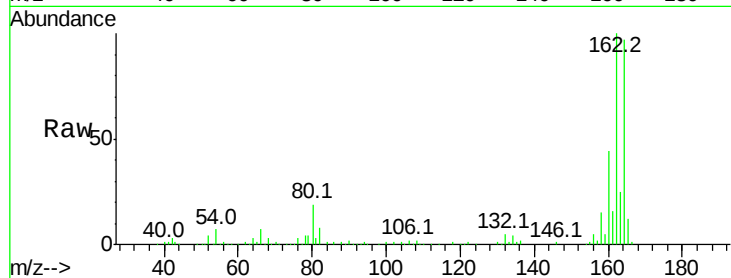
Ion Ratio Lower Upper

165 100

63 1.7 25.4 38.0#

89 1.8 46.4 69.6#

182 0.0 1.8 2.6#

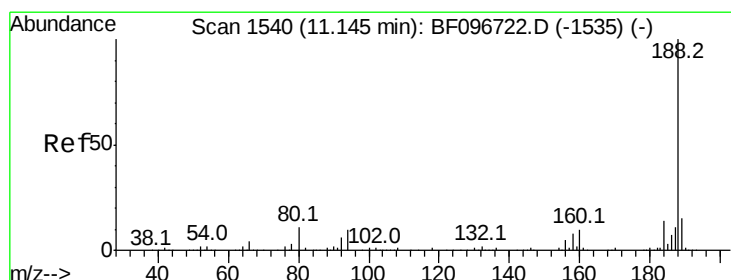
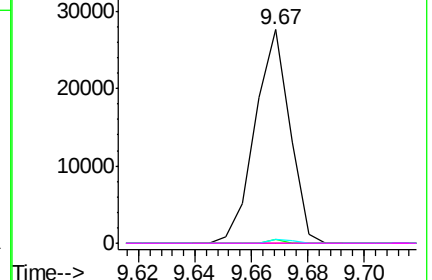
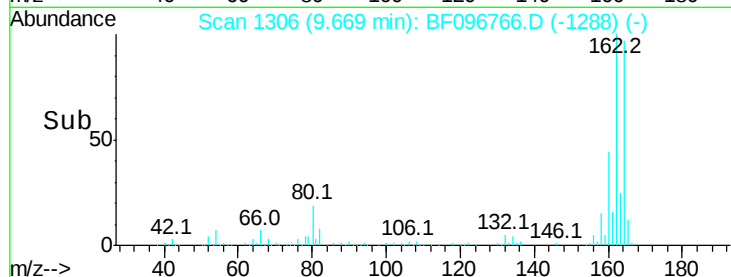


Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.15 min Scan# 1557

Delta R.T. -0.00 min

Lab File: BF096766.D

Acq: 14 Jul 2017 10:50

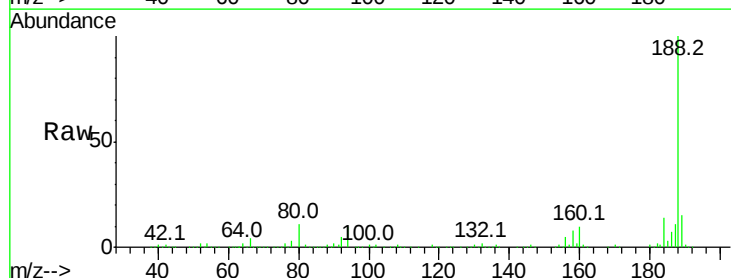
Tgt Ion:188 Resp: 324889

Ion Ratio Lower Upper

188 100

94 10.4 9.4 14.2

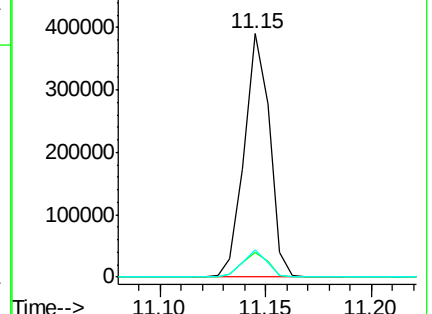
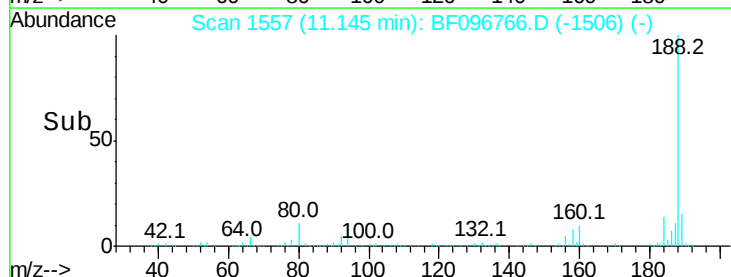
80 11.1 10.2 15.2

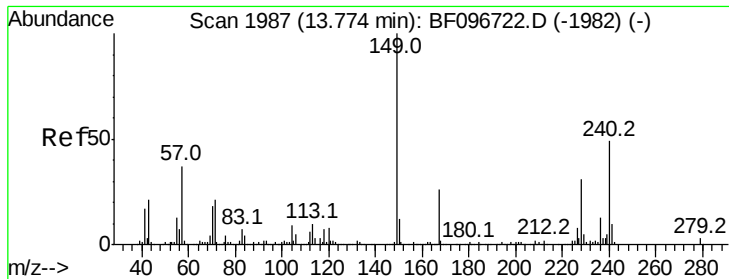


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.77 min Scan# 2004

Delta R.T. -0.00 min

Lab File: BF096766.D

Acq: 14 Jul 2017 10:50

Instrument :

BNA_F

ClientSampleId :

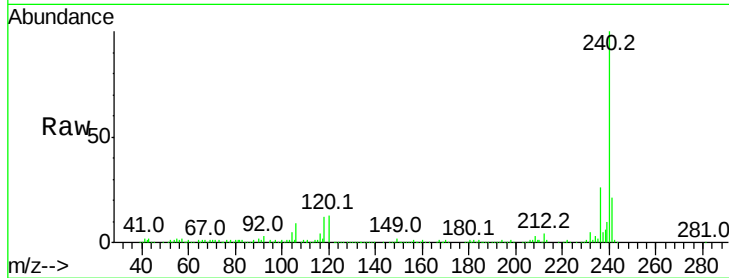
Tot Ion:240 Resp: 213759

Ion Ratio Lower Upper

240 100

120 13.3 5.8 8.8#

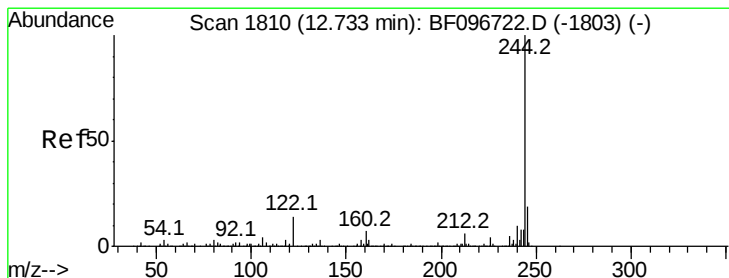
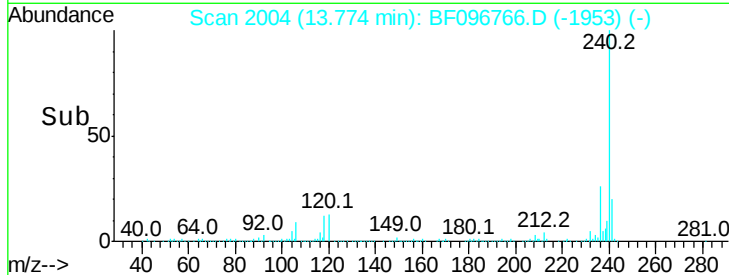
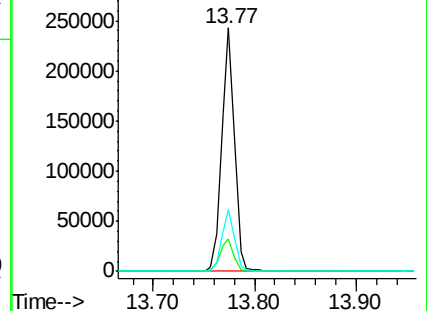
236 25.6 20.5 30.7



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: 67.517 ng

RT: 12.74 min Scan# 1828

Delta R.T. 0.01 min

Lab File: BF096766.D

Acq: 14 Jul 2017 10:50

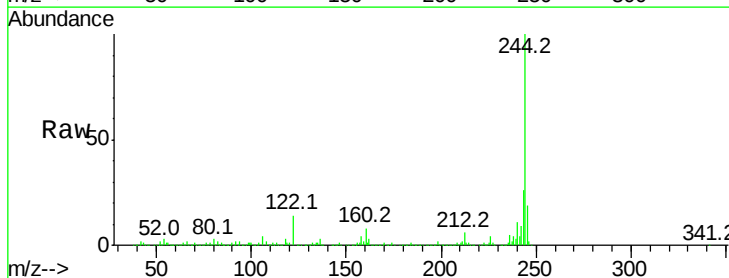
Tgt Ion:244 Resp: 832188

Ion Ratio Lower Upper

244 100

212 6.4 6.0 9.0

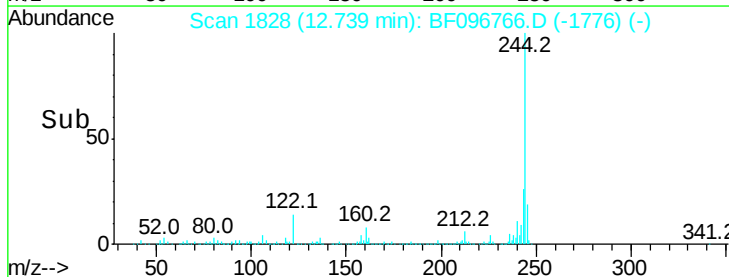
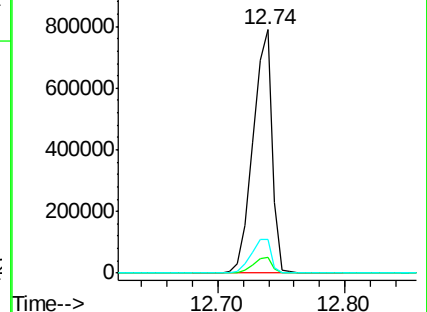
122 13.8 10.3 15.5

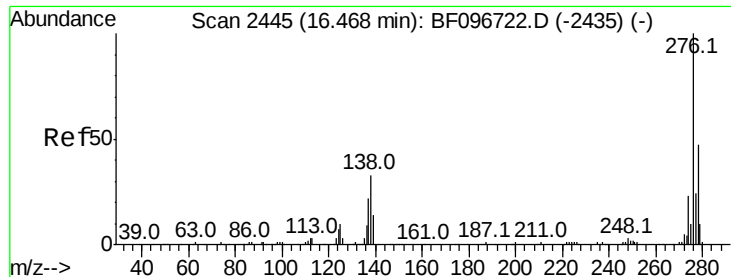


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

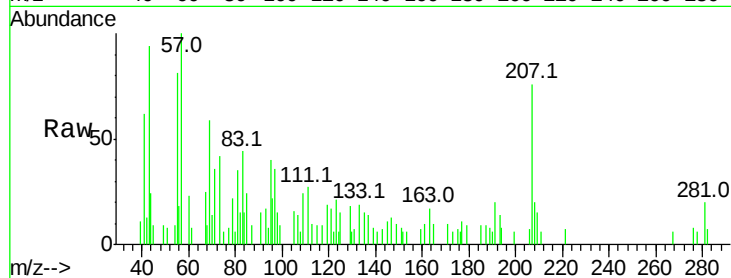




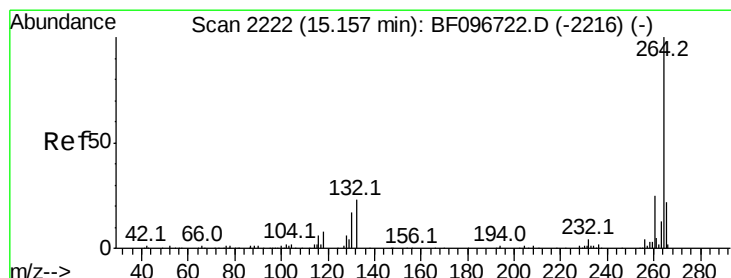
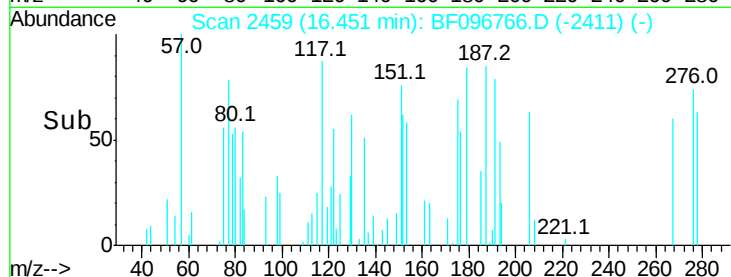
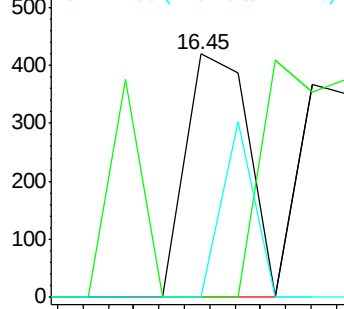
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.350 ng
 RT: 16.45 min Scan# 2459
 Delta R.T. -0.02 min
 Lab File: BF096766.D
 Acq: 14 Jul 2017 10:50

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:276 Resp: 285
 Ion Ratio Lower Upper
 276 100
 138 141.4 27.8 41.6#
 277 37.5 20.2 30.4#

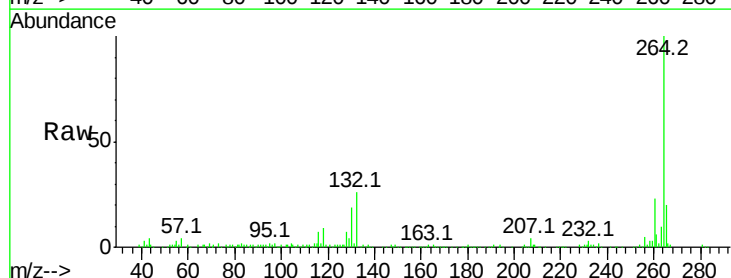


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.16 min Scan# 2239
 Delta R.T. -0.00 min
 Lab File: BF096766.D
 Acq: 14 Jul 2017 10:50

Tgt Ion:264 Resp: 167131
 Ion Ratio Lower Upper
 264 100
 260 22.7 19.5 29.3
 265 20.2 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

