

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071817\
 Data File : BF096843.D
 Acq On : 18 Jul 2017 13:03
 Operator : SJ/JU
 Sample : I4224-03
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DEC-03

Quant Time: Jul 18 16:43:48 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

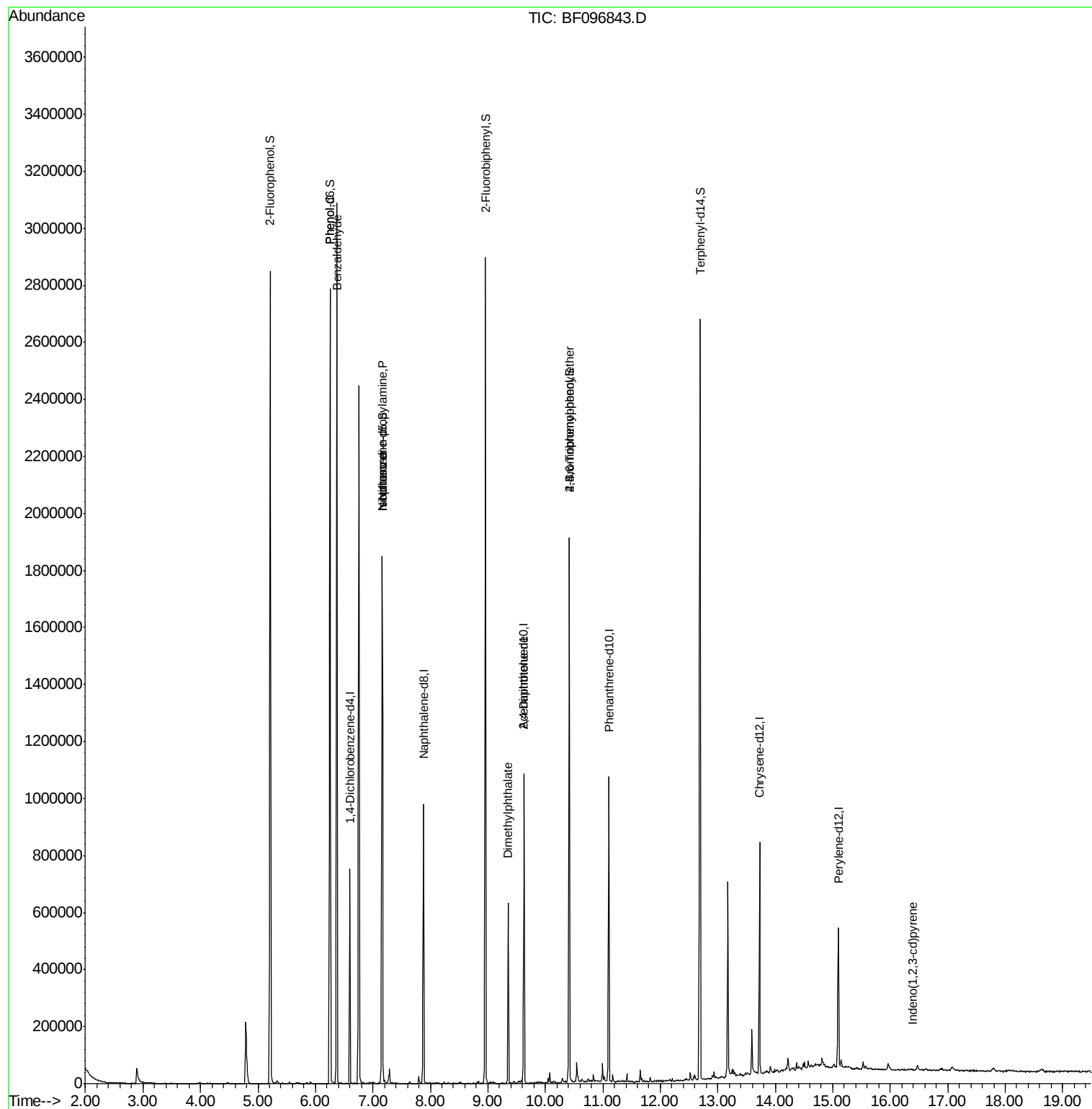
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.60	152	106763	20.00	ng	0.00
21) Naphthalene-d8	7.88	136	456375	20.00	ng	0.00
38) Acenaphthene-d10	9.63	164	212653	20.00	ng	0.00
63) Phenanthrene-d10	11.10	188	375582	20.00	ng	0.00
75) Chrysene-d12	13.73	240	280133	20.00	ng	0.00
86) Perylene-d12	15.10	264	200145	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.22	112	909504	128.09	ng	0.02
7) Phenol-d6	6.26	99	1078714	126.60	ng	0.00
23) Nitrobenzene-d5	7.16	82	655328	88.94	ng	0.00
41) 2,4,6-Tribromophenol	10.42	330	245015	134.98	ng	0.00
44) 2-Fluorobiphenyl	8.96	172	1119534	83.18	ng	0.00
78) Terphenyl-d14	12.69	244	922139	57.09	ng	0.00
Target Compounds						
9) Benzaldehyde	6.37	77	17967	3.648	ng	81
10) Phenol	6.26	94	21349	2.216	ng	# 39
19) n-Nitroso-di-n-propylamine	7.16	70	87607	17.066	ng	# 86
25) Isophorone	7.16	82	649430	47.382	ng	# 67
49) Dimethylphthalate	9.35	163	263104	16.432	ng	99
56) 2,4-Dinitrotoluene	9.63	165	27022	6.063	ng	# 33
66) 4-Bromophenyl-phenylether	10.42	248	15241	3.975	ng	# 1
85) Indeno(1,2,3-cd)pyrene	16.38	276	139	3.336	ng	# 29

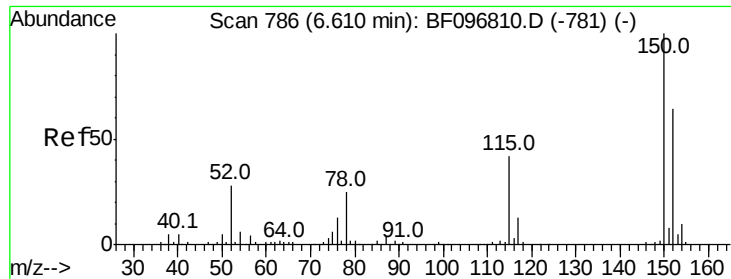
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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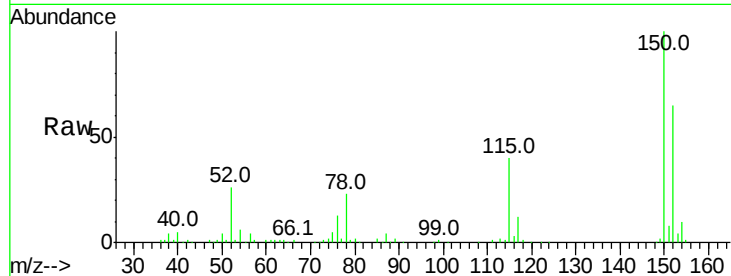


#1

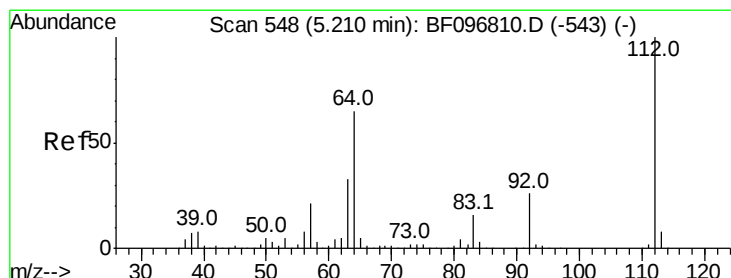
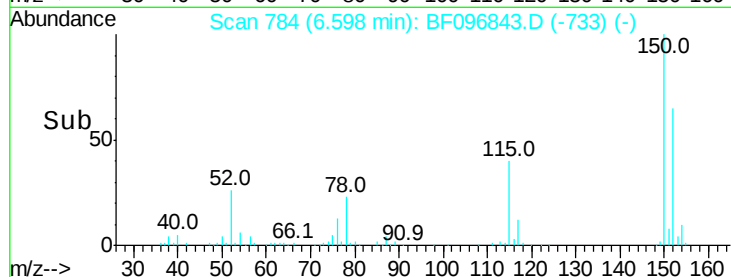
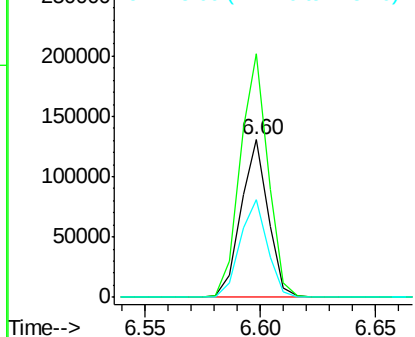
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.60 min Scan# 784
Delta R.T. 0.00 min
Lab File: BF096843.D
Acq: 18 Jul 2017 13:03

Instrument :
BNA_F
ClientSampleId :
DEC-03

Tot Ion:152 Resp: 106763
Ion Ratio Lower Upper
152 100
150 154.8 126.2 189.2
115 62.1 52.2 78.2



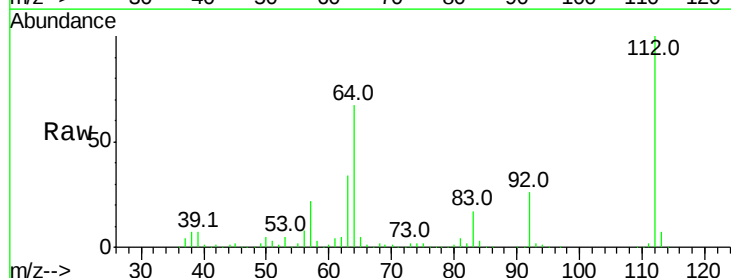
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



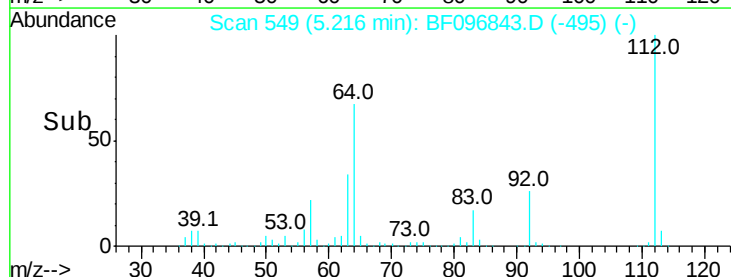
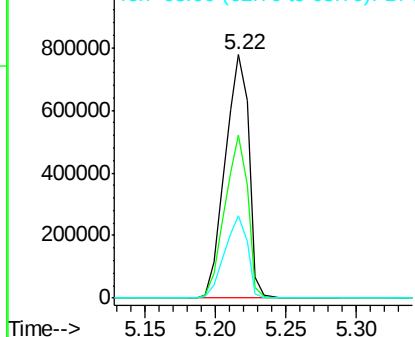
#5

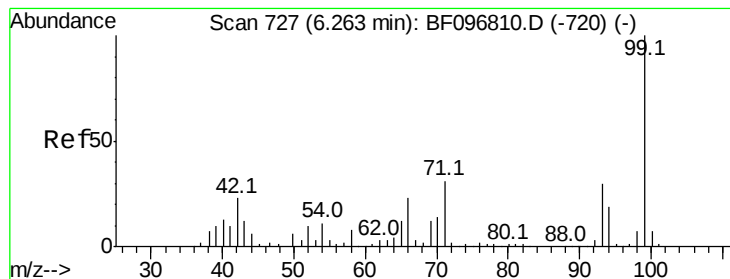
2-Fluorophenol
Concen: 128.089 ng
RT: 5.22 min Scan# 549
Delta R.T. 0.02 min
Lab File: BF096843.D
Acq: 18 Jul 2017 13:03

Tgt Ion:112 Resp: 909504
Ion Ratio Lower Upper
112 100
64 67.2 46.0 69.0
63 33.9 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: 126.596 ng

RT: 6.26 min Scan# 726

Delta R.T. 0.01 min

Lab File: BF096843.D

Acq: 18 Jul 2017 13:03

Instrument :

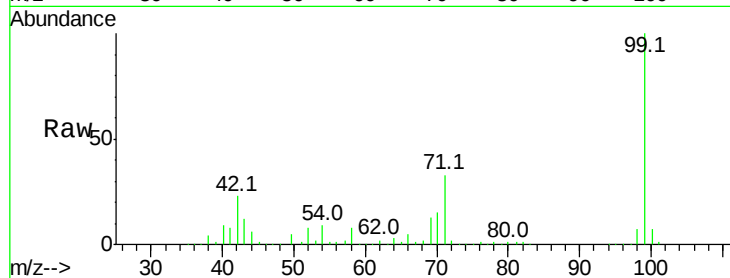
BNA_F

ClientSampleId :

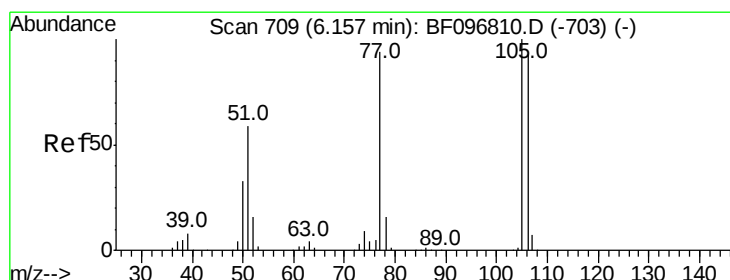
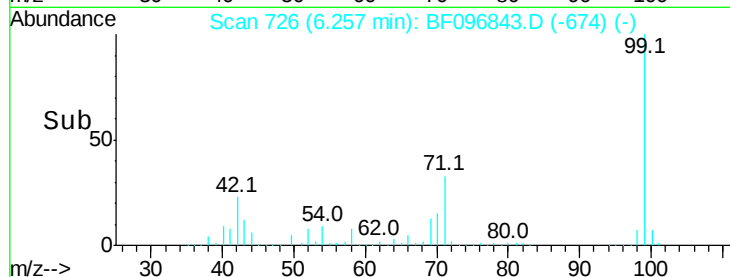
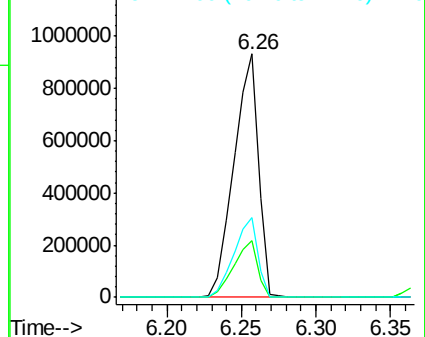
DEC-03

Tot Ion: 99 Resp: 1078714

Ion	Ratio	Lower	Upper
99	100		
42	23.1	13.5	20.3#
71	32.7	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



#9

Benzaldehyde

Concen: 3.648 ng

RT: 6.37 min Scan# 746

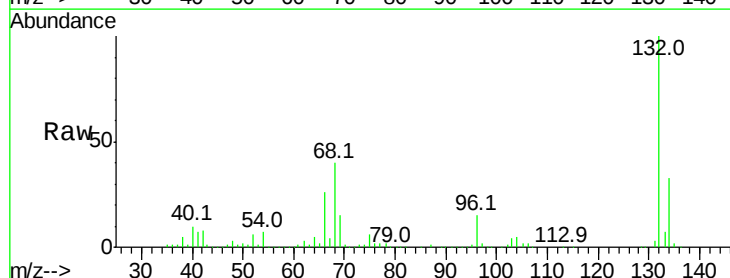
Delta R.T. 0.23 min

Lab File: BF096843.D

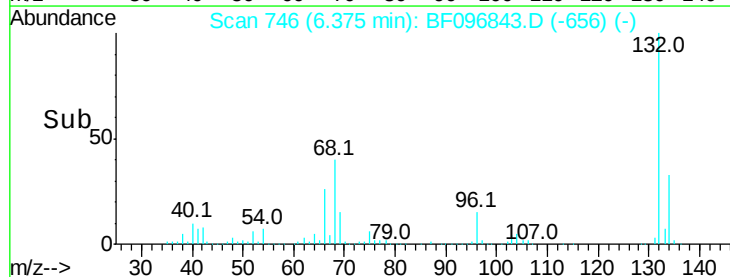
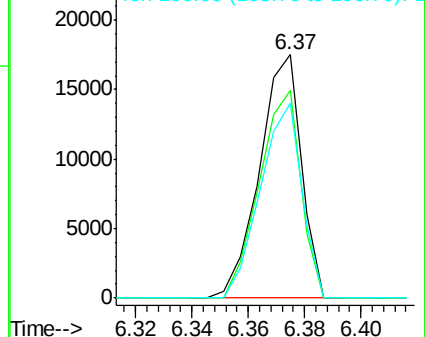
Acq: 18 Jul 2017 13:03

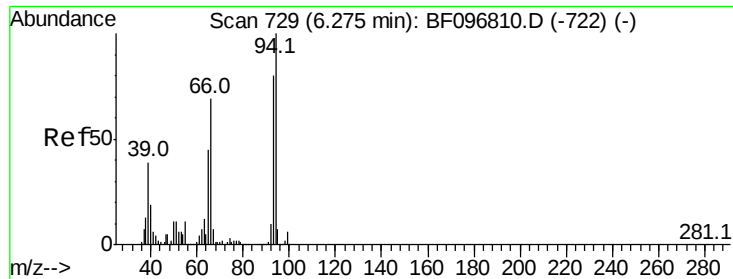
Tgt Ion: 77 Resp: 17967

Ion	Ratio	Lower	Upper
77	100		
105	85.4	83.8	123.8
106	80.1	79.1	119.1



Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 105.00 (104.70 to 105.70): E
Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 2.216 ng

RT: 6.26 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF096843.D

Acq: 18 Jul 2017 13:03

Instrument :

BNA_F

ClientSampleId :

DEC-03

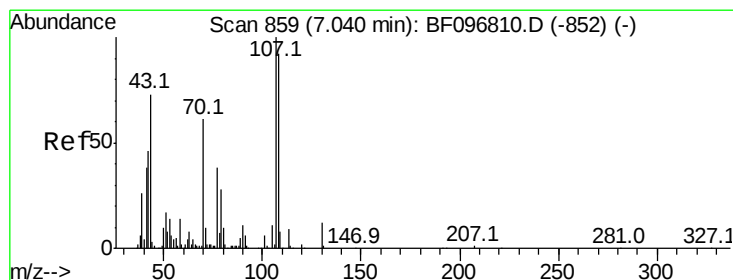
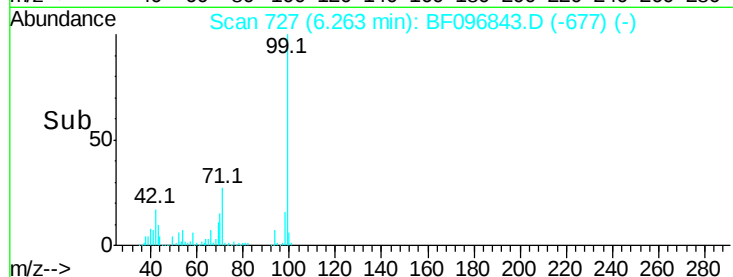
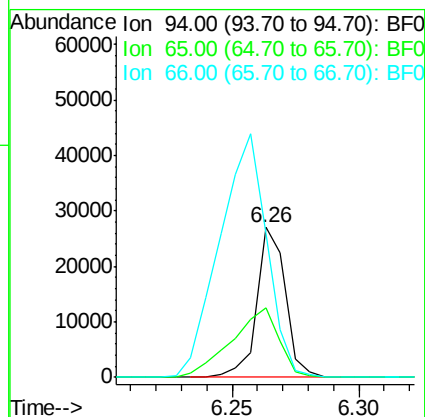
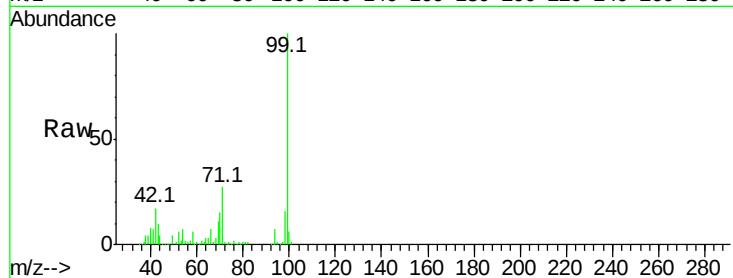
Tot Ion: 94 Resp: 21349

Ion Ratio Lower Upper

94 100

65 46.8 9.9 49.9

66 95.9 23.1 63.1#



#19

n-Nitroso-di-n-propylamine

Concen: 17.066 ng

RT: 7.16 min Scan# 880

Delta R.T. 0.14 min

Lab File: BF096843.D

Acq: 18 Jul 2017 13:03

Tgt Ion: 70 Resp: 87607

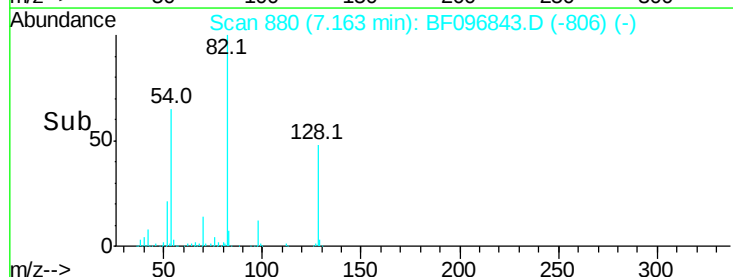
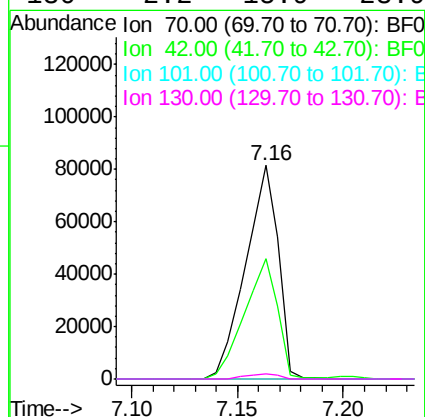
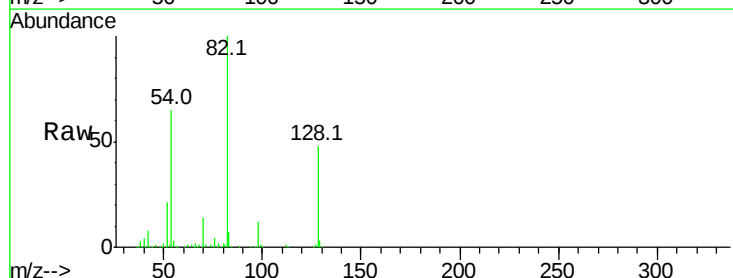
Ion Ratio Lower Upper

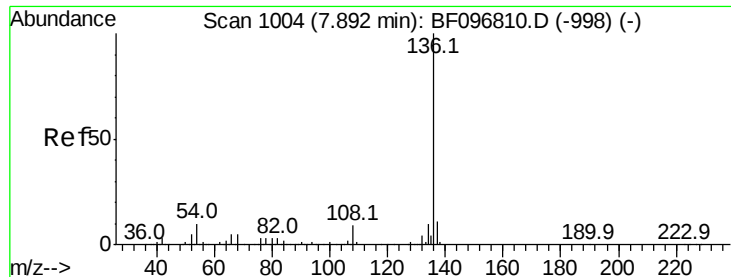
70 100

42 56.4 47.2 70.8

101 0.0 7.2 10.8#

130 2.2 15.9 23.9#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.88 min Scan# 1002

Delta R.T. -0.01 min

Lab File: BF096843.D

Acq: 18 Jul 2017 13:03

Instrument :

BNA_F

ClientSampleId :

DEC-03

Tot Ion:136 Resp: 456375

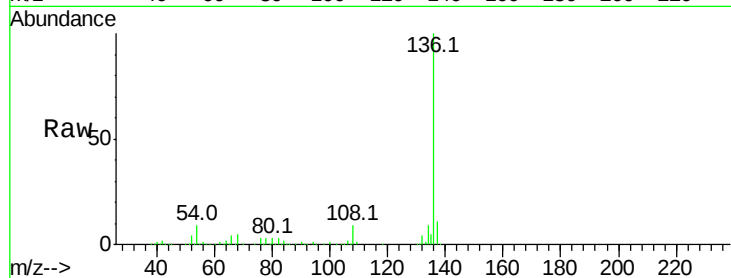
Ion Ratio Lower Upper

136 100

137 10.6 8.5 12.7

54 9.4 4.9 7.3#

68 4.7 4.1 6.1

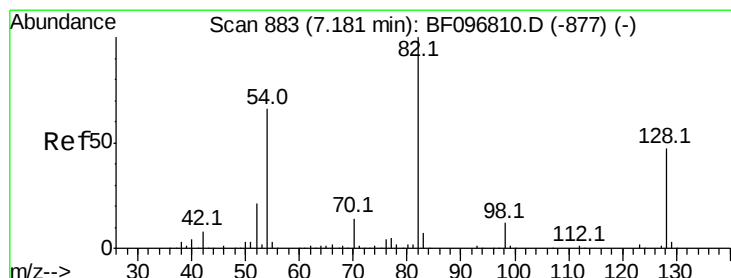
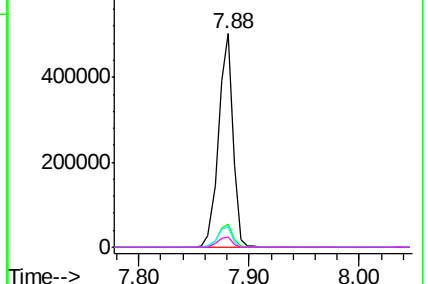
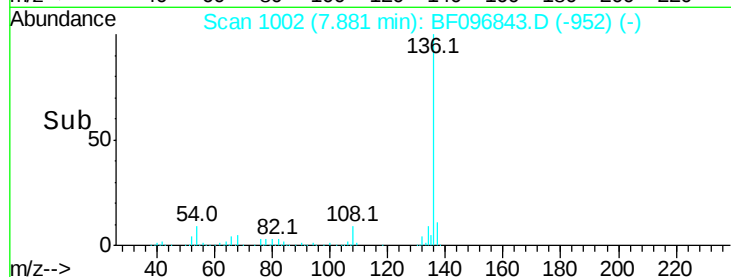


Abundance Ion 136.00 (135.70 to 136.70): E

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: 88.943 ng

RT: 7.16 min Scan# 880

Delta R.T. -0.01 min

Lab File: BF096843.D

Acq: 18 Jul 2017 13:03

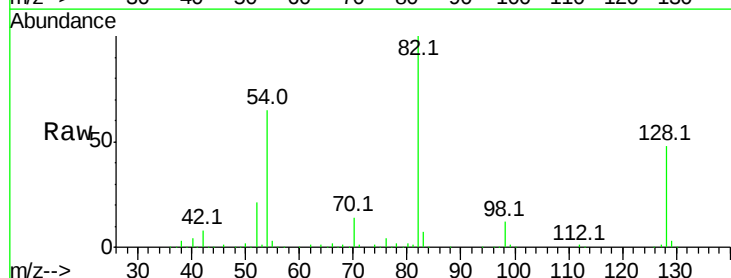
Tgt Ion: 82 Resp: 655328

Ion Ratio Lower Upper

82 100

128 47.8 34.0 51.0

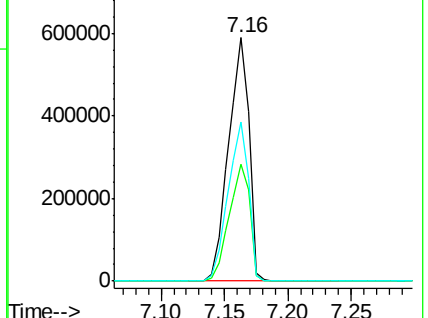
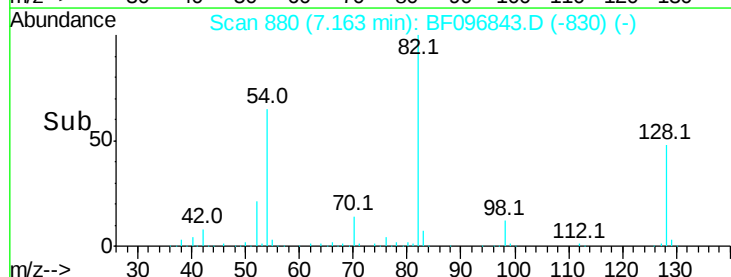
54 65.2 42.2 63.2#

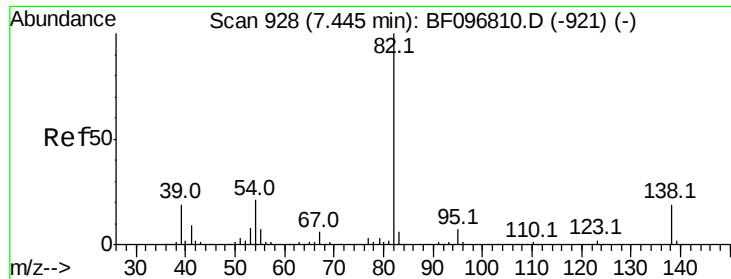


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 47.382 ng

RT: 7.16 min Scan# 880

Delta R.T. -0.27 min

Lab File: BF096843.D

Acq: 18 Jul 2017 13:03

Instrument :

BNA_F

ClientSampleId :

DEC-03

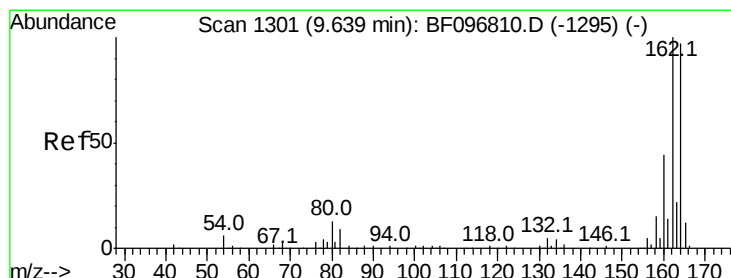
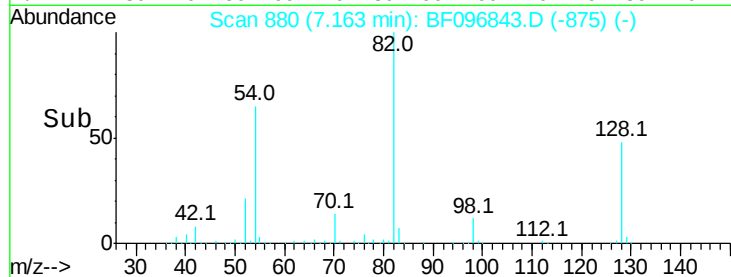
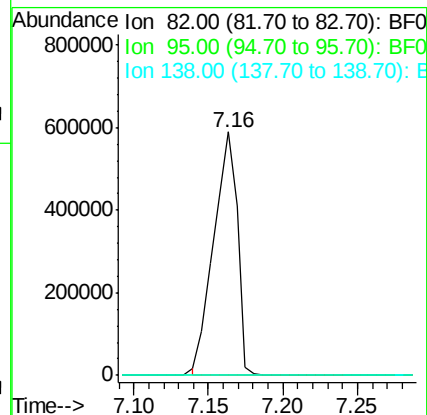
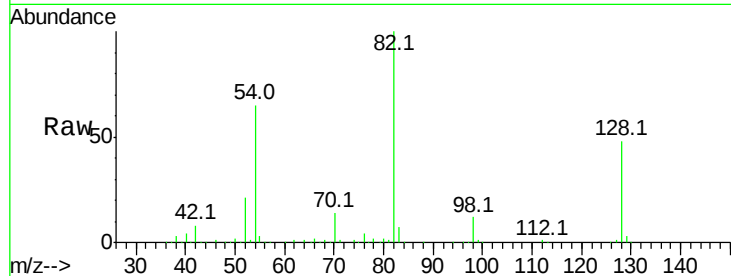
Tot Ion: 82 Resp: 649430

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: 9.63 min Scan# 1299

Delta R.T. -0.01 min

Lab File: BF096843.D

Acq: 18 Jul 2017 13:03

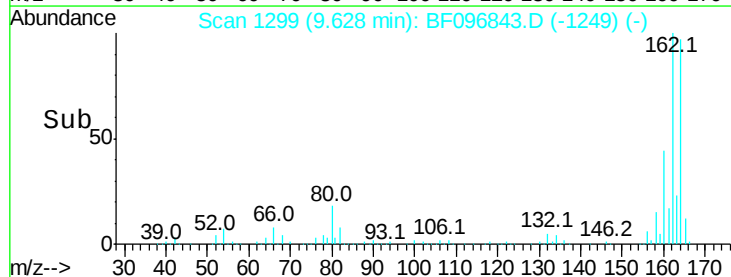
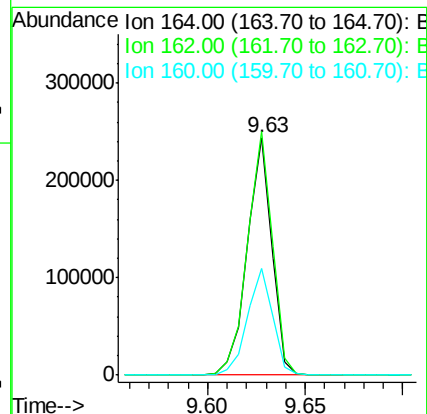
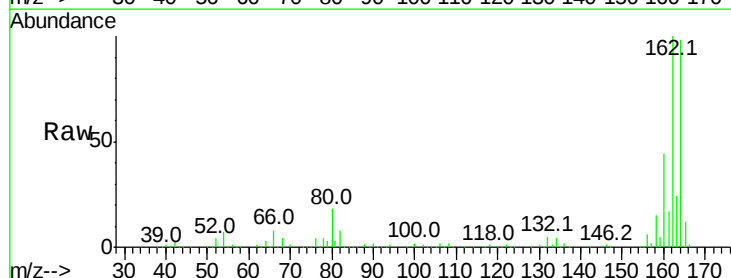
Tgt Ion:164 Resp: 212653

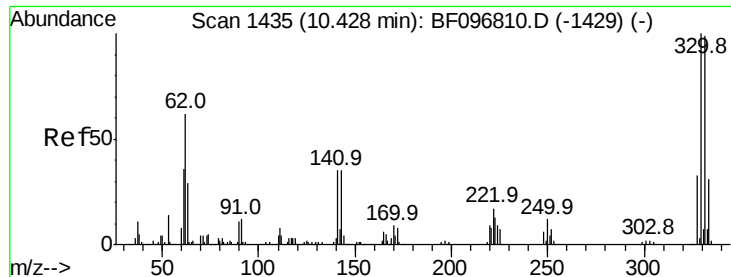
Ion Ratio Lower Upper

164 100

162 102.4 82.6 123.8

160 44.8 36.2 54.2

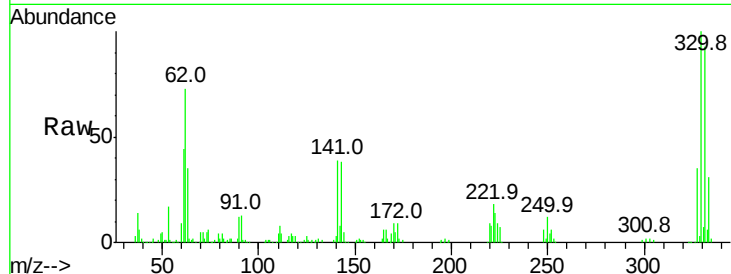




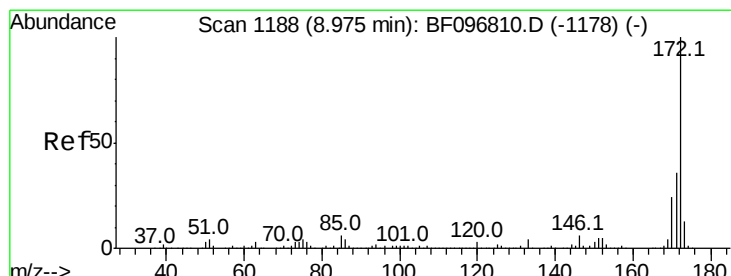
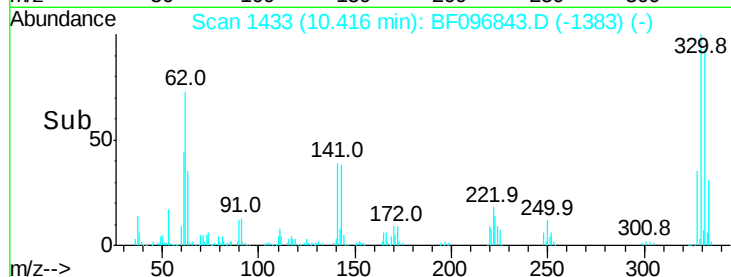
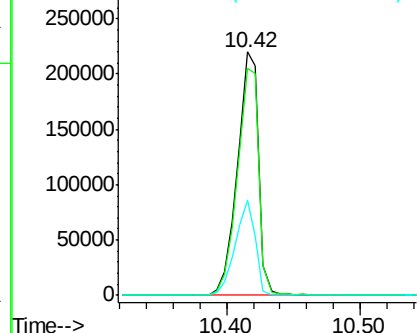
#41
 2,4,6-Tribromophenol
 Concen: 134.981 ng
 RT: 10.42 min Scan# 1433
 Delta R.T. -0.01 min
 Lab File: BF096843.D
 Acq: 18 Jul 2017 13:03

Instrument :
 BNA_F
 ClientSampled :
 DEC-03

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.9	76.6	115.0
141	37.2	31.4	47.2

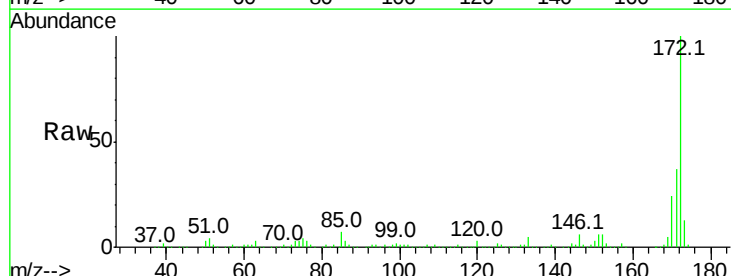


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

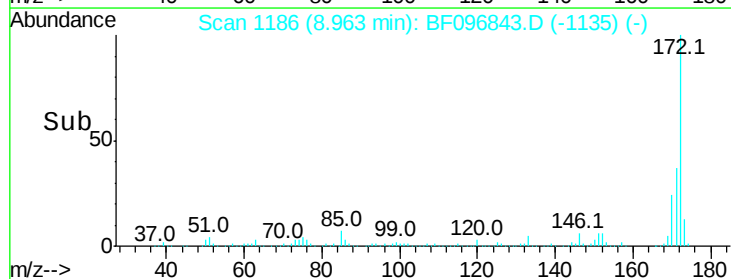
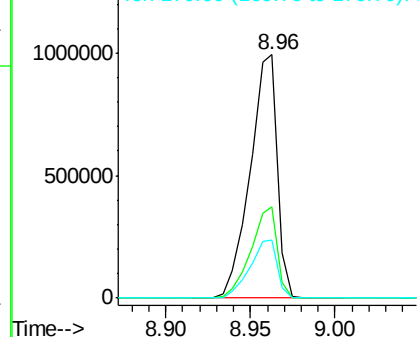


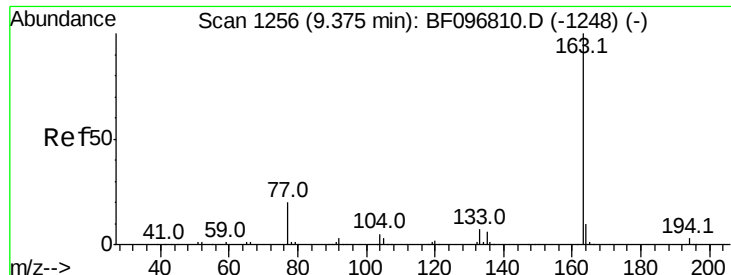
#44
 2-Fluorobiphenyl
 Concen: 83.177 ng
 RT: 8.96 min Scan# 1186
 Delta R.T. 0.00 min
 Lab File: BF096843.D
 Acq: 18 Jul 2017 13:03

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.4	29.6	44.4
170	24.1	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

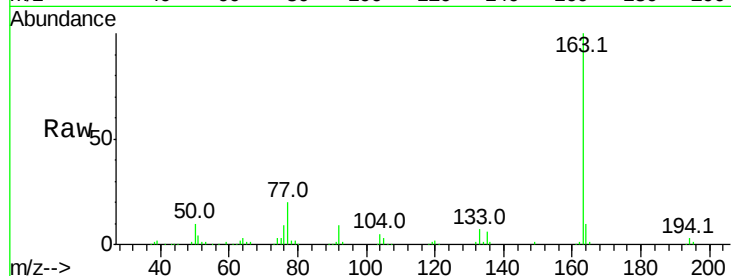




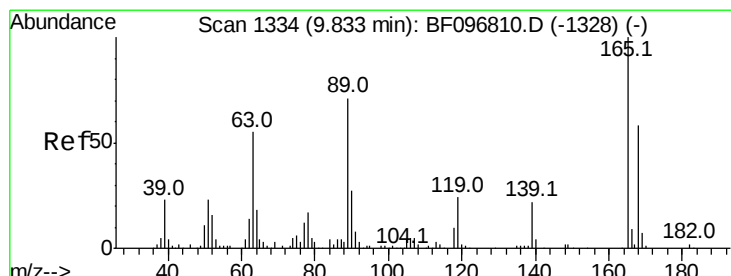
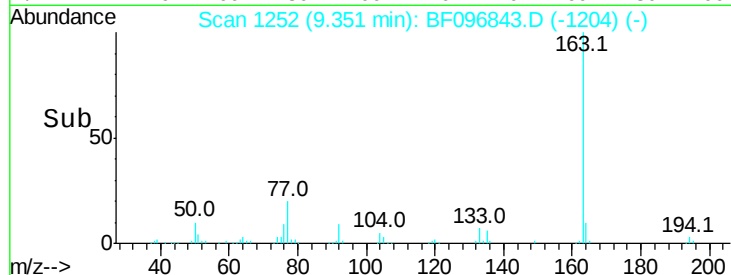
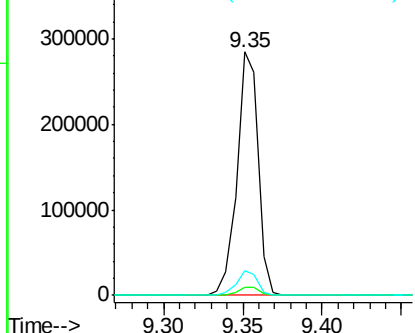
#49
Dimethylphthalate
Concen: 16.432 ng
RT: 9.35 min Scan# 1252
Delta R.T. -0.02 min
Lab File: BF096843.D
Acq: 18 Jul 2017 13:03

Instrument :
BNA_F
ClientSampleId :
DEC-03

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.3	2.6	4.0
164	10.1	8.4	12.6



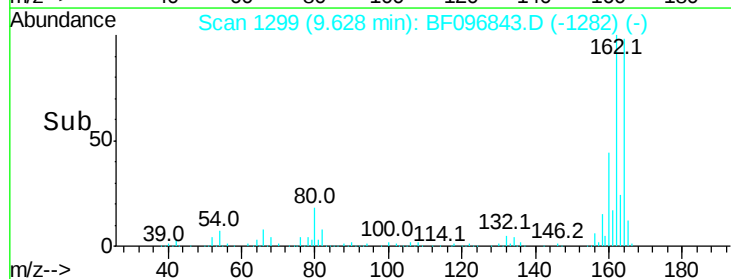
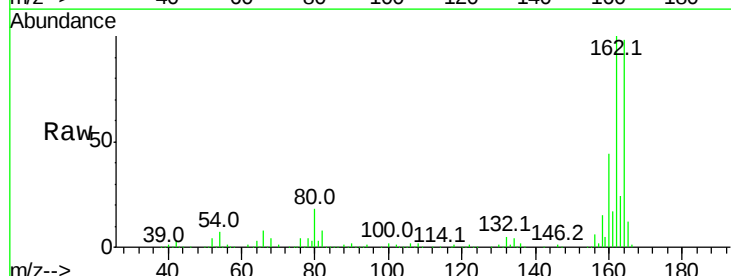
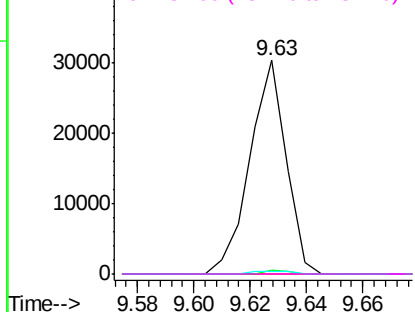
Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

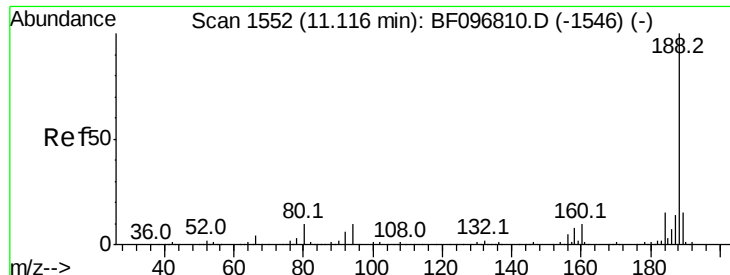


#56
2,4-Dinitrotoluene
Concen: 6.063 ng
RT: 9.63 min Scan# 1299
Delta R.T. -0.20 min
Lab File: BF096843.D
Acq: 18 Jul 2017 13:03

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.8	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

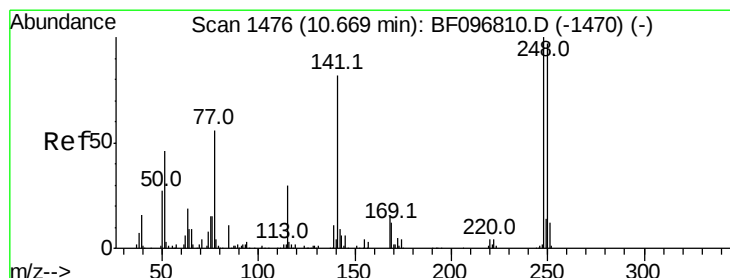
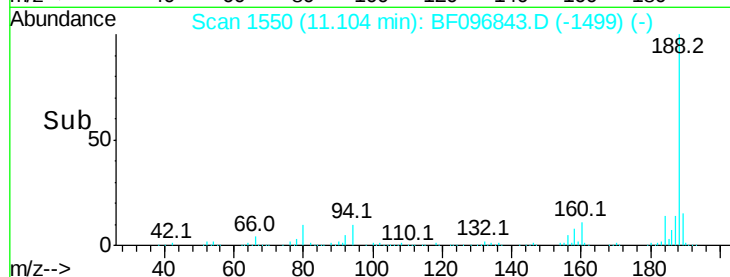
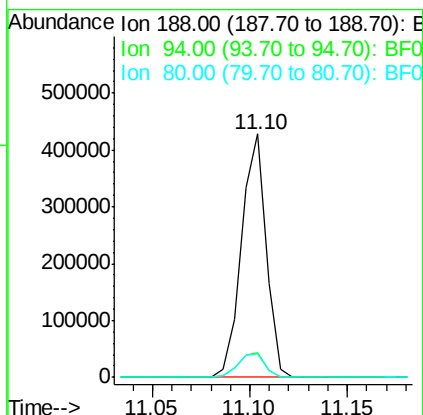
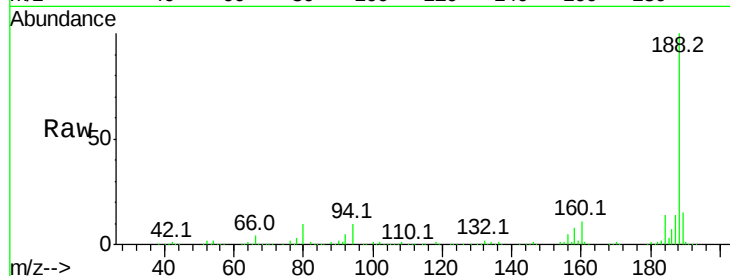




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.10 min Scan# 1550
 Delta R.T. 0.00 min
 Lab File: BF096843.D
 Acq: 18 Jul 2017 13:03

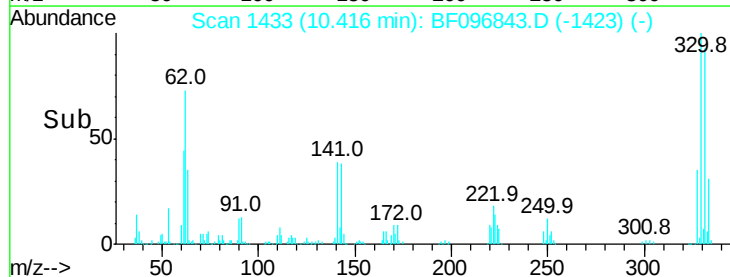
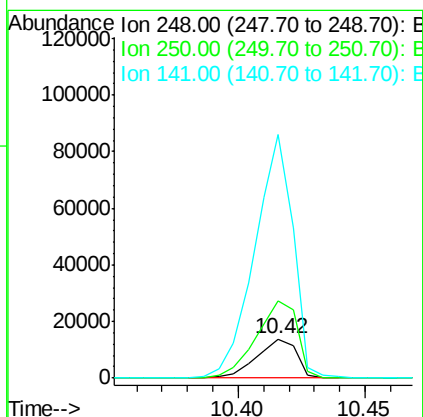
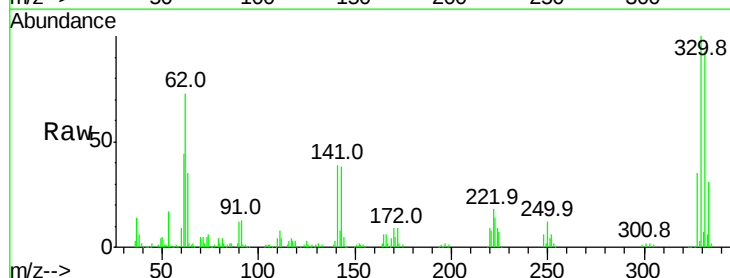
Instrument :
 BNA_F
 ClientSampled :
 DEC-03

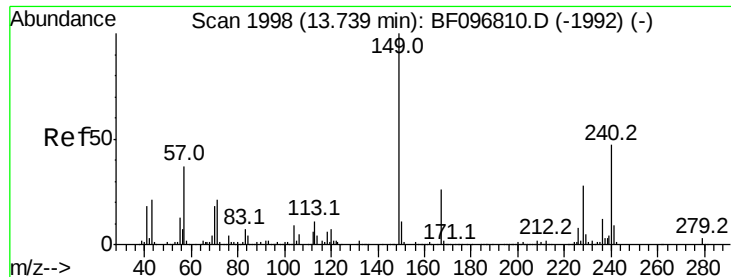
Tot Ion:188 Resp: 375582
 Ion Ratio Lower Upper
 188 100
 94 10.3 9.4 14.2
 80 9.9 10.2 15.2#



#66
 4-Bromophenyl-phenylether
 Concen: 3.975 ng
 RT: 10.42 min Scan# 1433
 Delta R.T. -0.24 min
 Lab File: BF096843.D
 Acq: 18 Jul 2017 13:03

Tgt Ion:248 Resp: 15241
 Ion Ratio Lower Upper
 248 100
 250 197.6 76.8 115.2#
 141 626.0 68.6 103.0#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.73 min Scan# 1996

Delta R.T. -0.01 min

Lab File: BF096843.D

Acq: 18 Jul 2017 13:03

Instrument :

BNA_F

ClientSampleId :

DEC-03

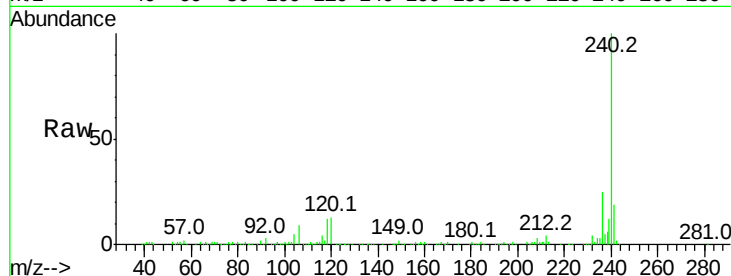
Tot Ion:240 Resp: 280133

Ion Ratio Lower Upper

240 100

120 13.3 5.8 8.8#

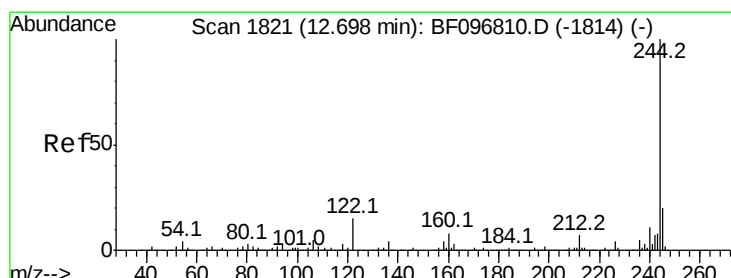
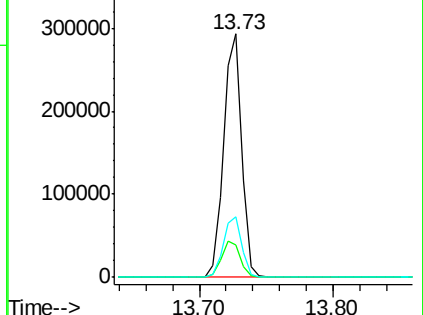
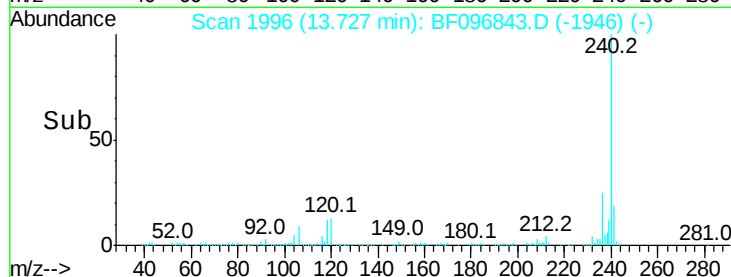
236 25.1 20.5 30.7



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: 57.088 ng

RT: 12.69 min Scan# 1820

Delta R.T. 0.00 min

Lab File: BF096843.D

Acq: 18 Jul 2017 13:03

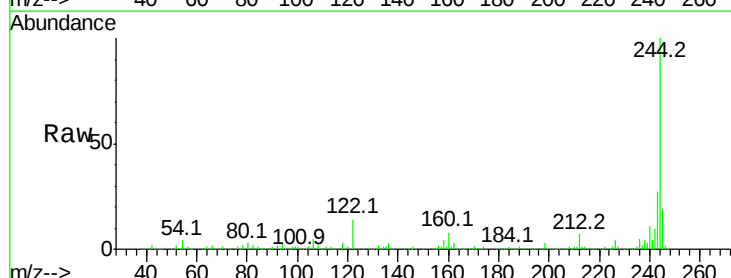
Tgt Ion:244 Resp: 922139

Ion Ratio Lower Upper

244 100

212 7.2 6.0 9.0

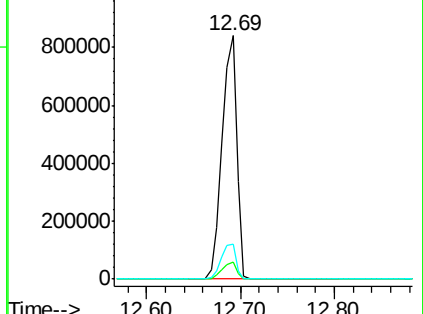
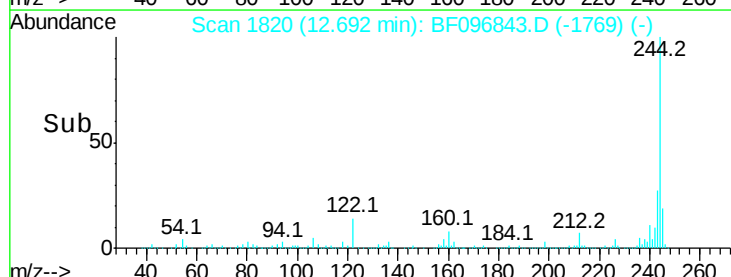
122 14.1 10.3 15.5

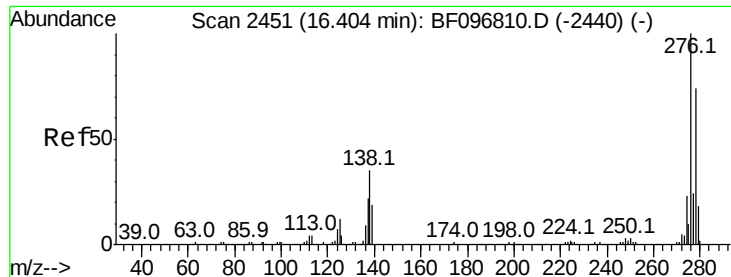


Abundance Ion 244.00 (243.70 to 244.70): E

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: 3.336 ng

RT: 16.38 min Scan# 2447

Delta R.T. -0.01 min

Lab File: BF096843.D

Acq: 18 Jul 2017 13:03

Instrument :

BNA_F

ClientSampled :

DEC-03

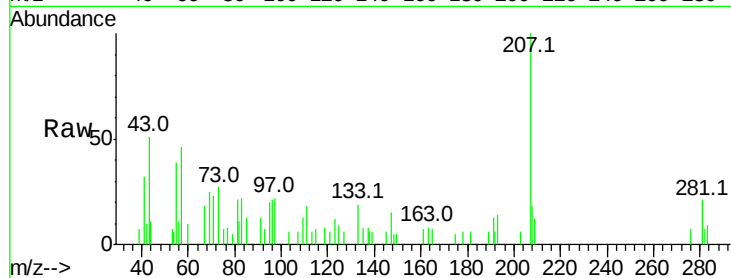
Tot Ion:276 Resp: 139

Ion Ratio Lower Upper

276 100

138 84.2 27.8 41.6#

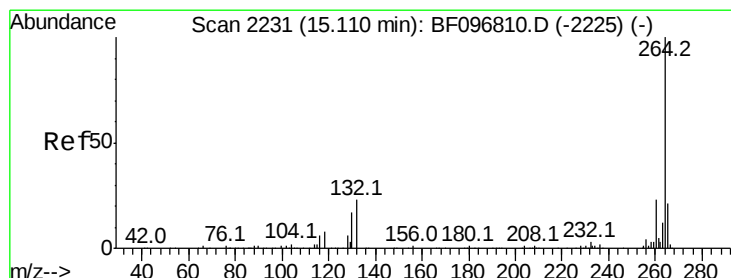
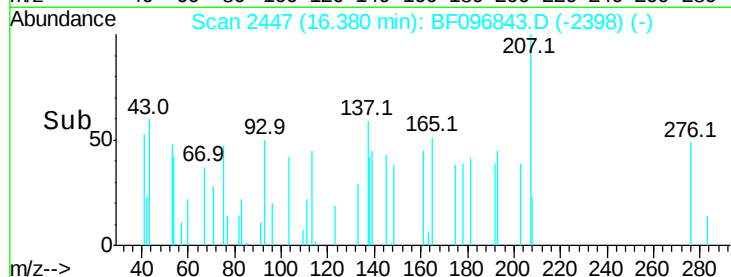
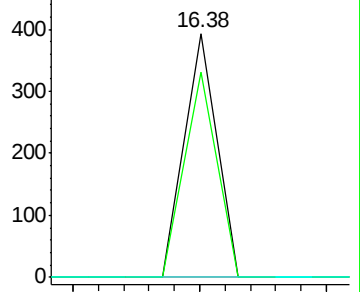
277 0.0 20.2 30.4#



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

Perylene-d12

Concen: 20.000 ng

RT: 15.10 min Scan# 2229

Delta R.T. -0.01 min

Lab File: BF096843.D

Acq: 18 Jul 2017 13:03

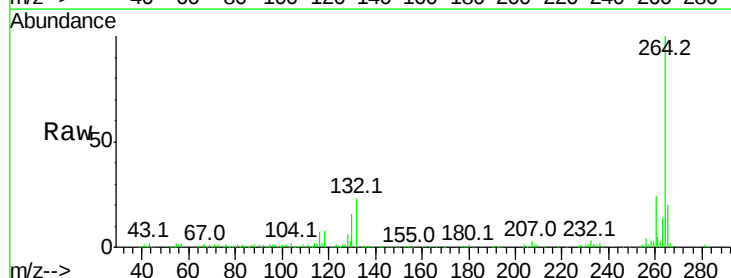
Tgt Ion:264 Resp: 200145

Ion Ratio Lower Upper

264 100

260 24.2 19.5 29.3

265 20.4 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

