

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062917\
 Data File : BF096293.D
 Acq On : 29 Jun 2017 15:54
 Operator : SJ/MA
 Sample : I3928-04
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 29 17:34:37 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF062717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 28 15:41:49 2017
 Response via : Initial Calibration

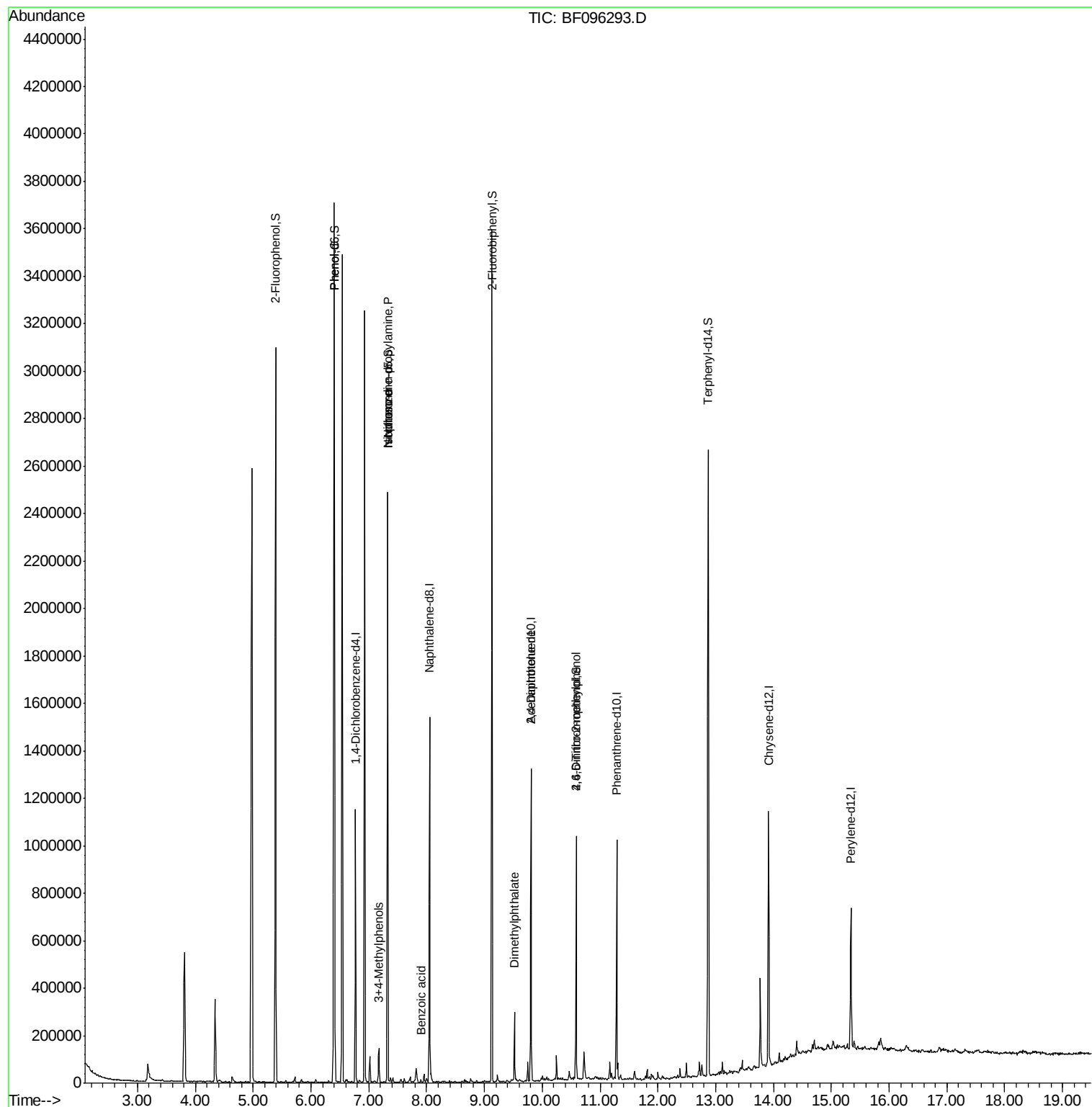
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	169036	20.00	ng	-0.01
21) Naphthalene-d8	8.05	136	654282	20.00	ng	0.00
38) Acenaphthene-d10	9.80	164	233541	20.00	ng	0.00
63) Phenanthrene-d10	11.29	188	341564	20.00	ng	0.00
75) Chrysene-d12	13.92	240	339204	20.00	ng	0.00
86) Perylene-d12	15.34	264	261404	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	874898	74.57	ng	0.00
7) Phenol-d6	6.40	99	1319913	92.90	ng	0.01
23) Nitrobenzene-d5	7.33	82	802536	84.91	ng	-0.03
41) 2,4,6-Tribromophenol	10.59	330	110201	59.96	ng	0.00
44) 2-Fluorobiphenyl	9.13	172	1215685	95.33	ng	-0.02
78) Terphenyl-d14	12.87	244	861244	63.36	ng	0.00
Target Compounds						
9) Benzaldehyde	6.31	77	1035	Below Cal	#	84
10) Phenol	6.41	94	41672	2.67	ng	87
19) n-Nitroso-di-n-propylamine	7.33	70	103599	12.17	ng	# 88
20) 3+4-Methylphenols	7.17	107	27660	2.43	ng	# 59
25) Isophorone	7.33	82	802518	37.39	ng	# 67
32) Benzoic acid	7.90	122	1704	8.99	ng	# 11
49) Dimethylphthalate	9.52	163	117263	7.02	ng	# 98
56) 2,4-Dinitrotoluene	9.80	165	29856	6.81	ng	# 32
57) Fluorene	10.35	166	1797	Below Cal	#	82
64) 4,6-Dinitro-2-methylphenol	10.59	198	116	8.80	ng	# 1
70) Phenanthrene	11.31	178	24862	Below Cal		95

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

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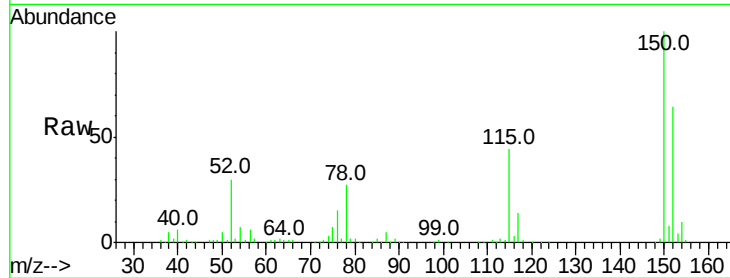


#1

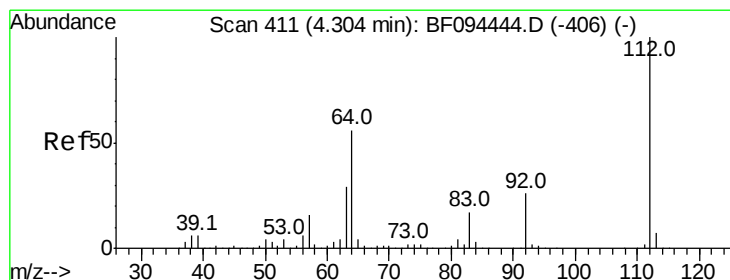
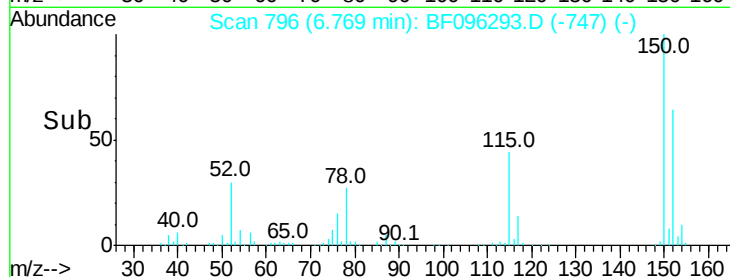
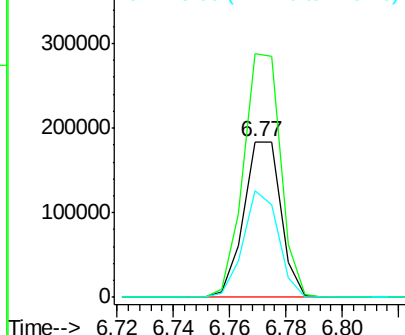
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.77 min Scan# 796
Delta R.T. -0.01 min
Lab File: BF096293.D
Acq: 29 Jun 2017 15:54

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.3	126.2	189.2
115	68.7	52.2	78.2



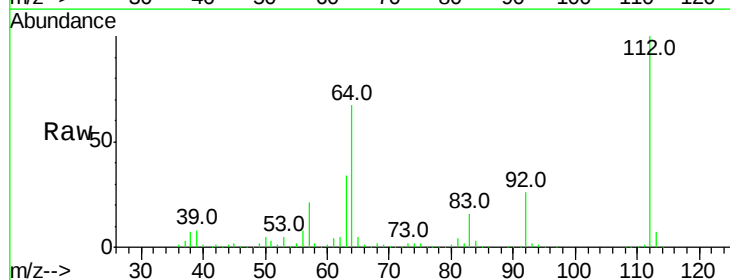
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



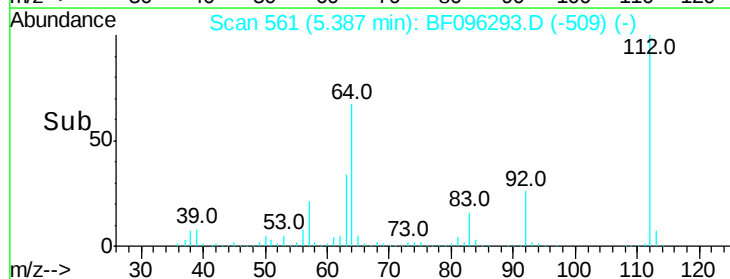
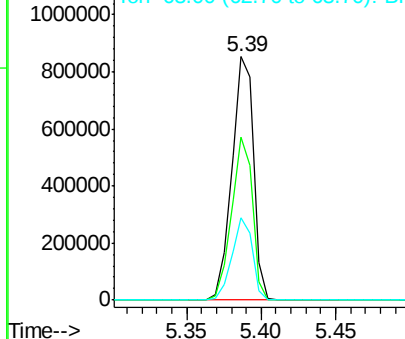
#5

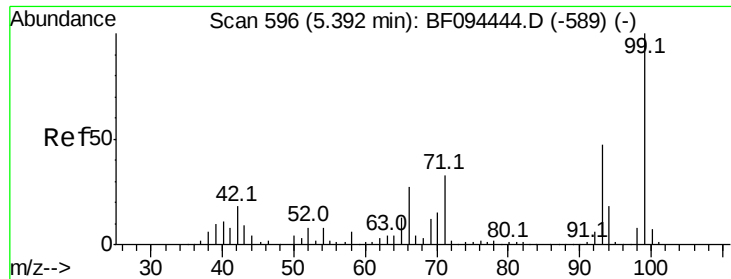
2-Fluorophenol
Concen: 74.57 ng
RT: 5.39 min Scan# 561
Delta R.T. 0.01 min
Lab File: BF096293.D
Acq: 29 Jun 2017 15:54

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.8	46.0	69.0
63	33.6	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: 92.90 ng

RT: 6.40 min Scan# 734

Delta R.T. 0.01 min

Lab File: BF096293.D

Acq: 29 Jun 2017 15:54

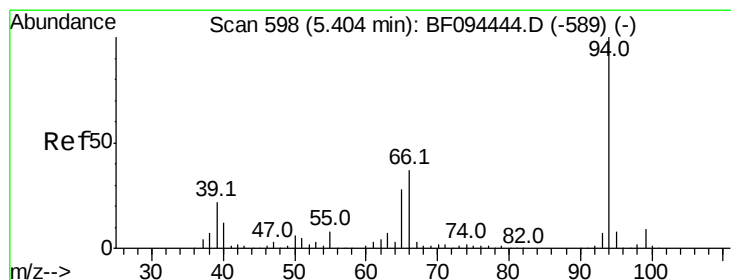
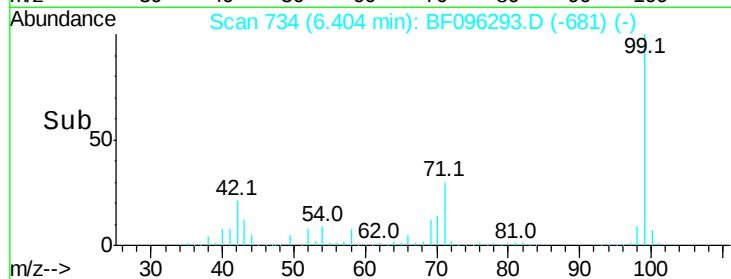
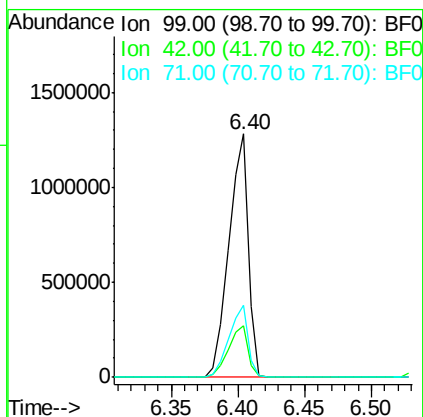
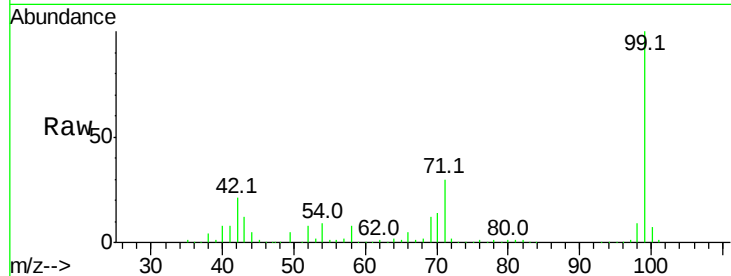
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1319913

Ion	Ratio	Lower	Upper
99	100		
42	21.3	13.5	20.3#
71	29.6	24.5	36.7



#10

Phenol

Concen: 2.67 ng

RT: 6.41 min Scan# 735

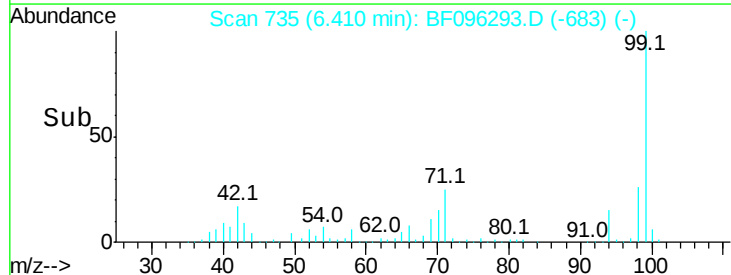
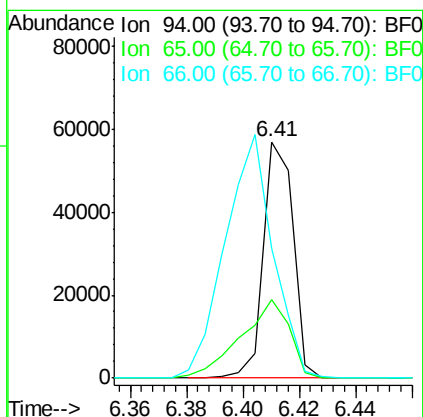
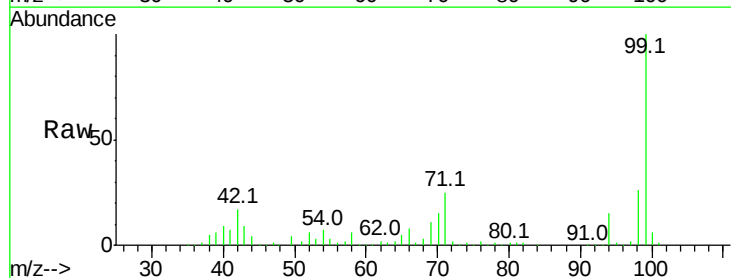
Delta R.T. 0.01 min

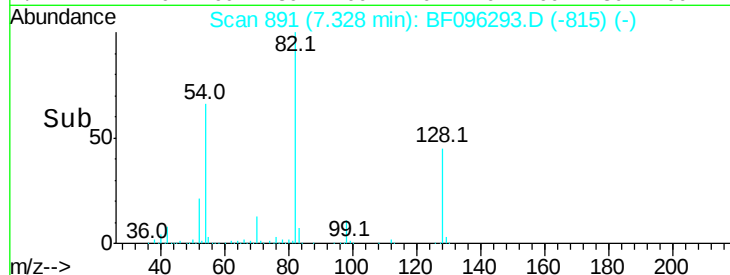
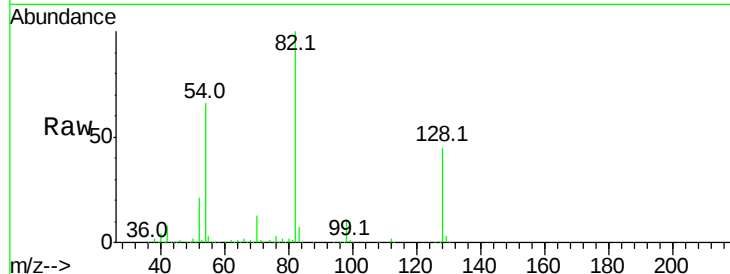
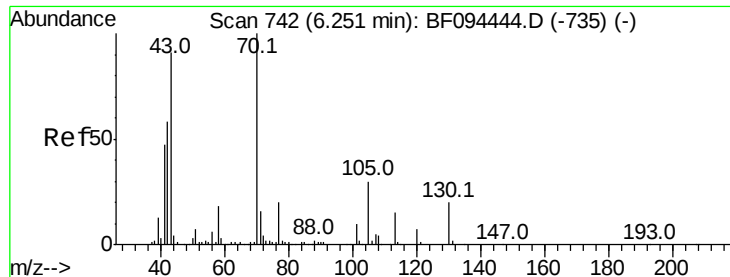
Lab File: BF096293.D

Acq: 29 Jun 2017 15:54

Tgt Ion: 94 Resp: 41672

Ion	Ratio	Lower	Upper
94	100		
65	33.1	9.9	49.9
66	55.1	23.1	63.1

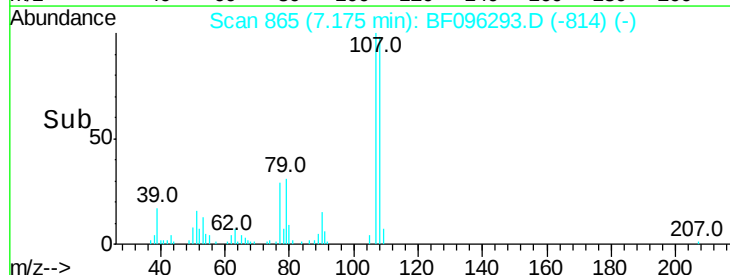
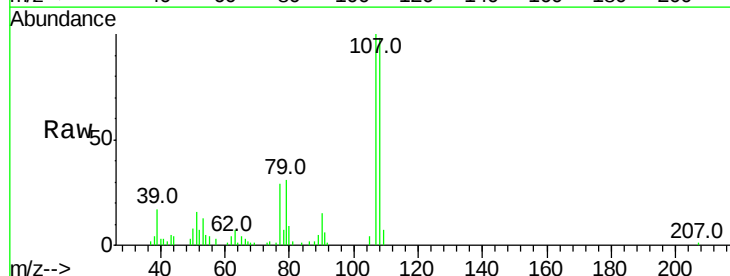
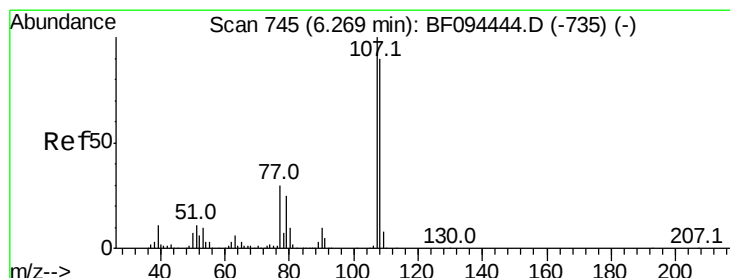
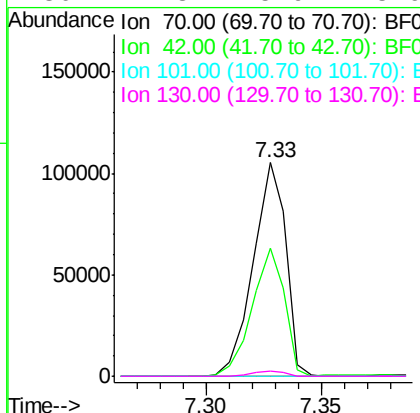




#19
n-Nitroso-di-n-propylamine
Concen: 12.17 ng
RT: 7.33 min Scan# 891
Delta R.T. 0.15 min
Lab File: BF096293.D
Acq: 29 Jun 2017 15:54

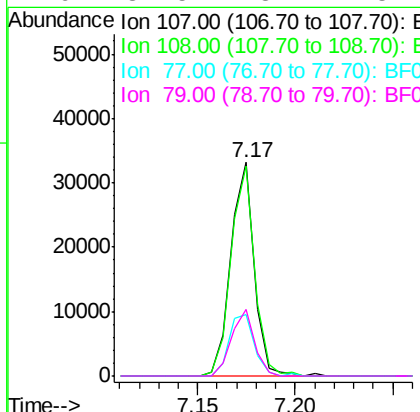
Instrument :
BNA_F
ClientSampleId :

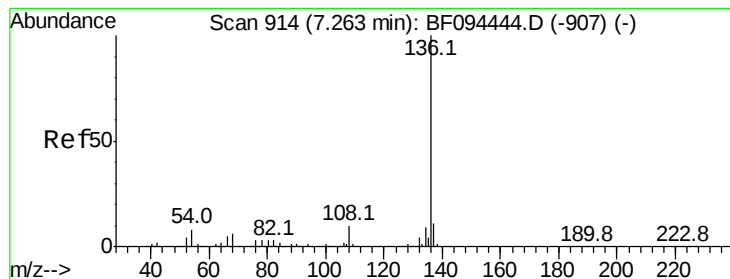
Tot Ion: 70 Resp: 103599
Ion Ratio Lower Upper
70 100
42 59.8 47.2 70.8
101 0.0 7.2 10.8#
130 2.3 15.9 23.9#



#20
3+4-Methylphenols
Concen: 2.43 ng
RT: 7.17 min Scan# 865
Delta R.T. 0.00 min
Lab File: BF096293.D
Acq: 29 Jun 2017 15:54

Tgt Ion:107 Resp: 27660
Ion Ratio Lower Upper
107 100
108 98.2 71.0 111.0
77 28.8 90.5 130.5#
79 31.5 8.4 48.4





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.05 min Scan# 1014

Delta R.T. -0.01 min

Lab File: BF096293.D

Acq: 29 Jun 2017 15:54

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 654282

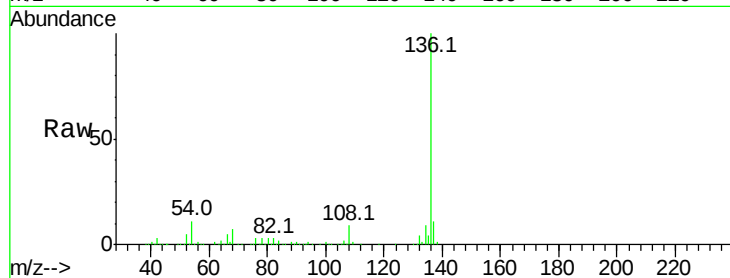
Ion Ratio Lower Upper

136 100

137 11.0 8.5 12.7

54 10.7 4.9 7.3#

68 7.1 4.1 6.1#

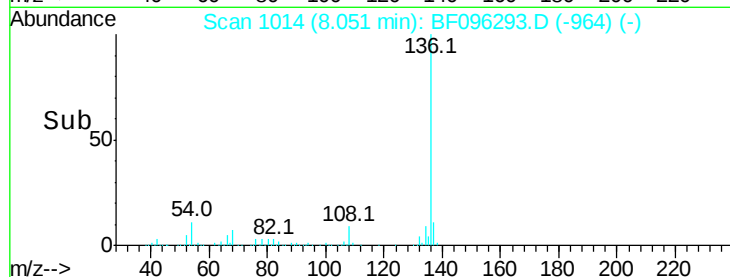


Abundance Ion 136.00 (135.70 to 136.70): E

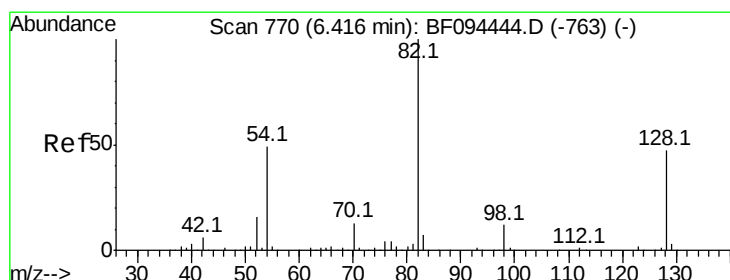
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#23

Nitrobenzene-d5

Concen: 84.91 ng

RT: 7.33 min Scan# 891

Delta R.T. -0.03 min

Lab File: BF096293.D

Acq: 29 Jun 2017 15:54

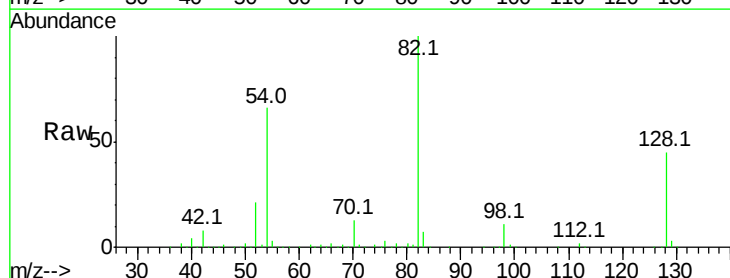
Tgt Ion: 82 Resp: 802536

Ion Ratio Lower Upper

82 100

128 44.7 34.0 51.0

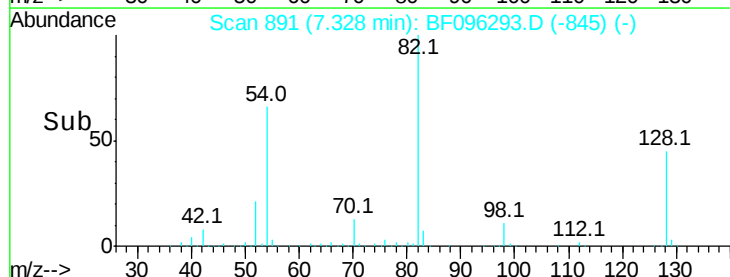
54 66.3 42.2 63.2#



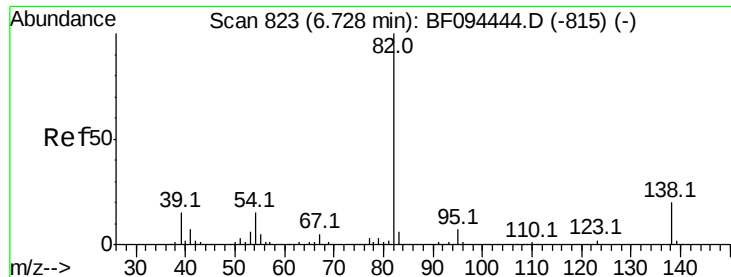
Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



Time-->



#25

Isophorone

Concen: 37.39 ng

RT: 7.33 min Scan# 891

Delta R.T. -0.26 min

Lab File: BF096293.D

Acq: 29 Jun 2017 15:54

Instrument :

BNA_F

ClientSampleId :

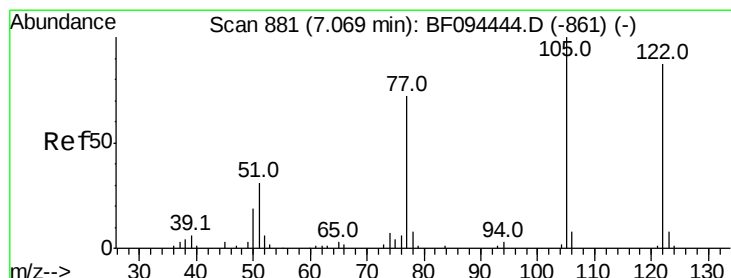
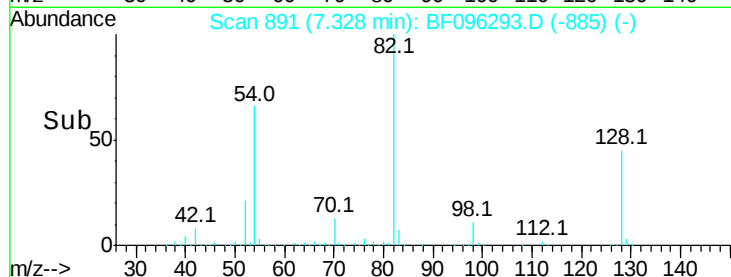
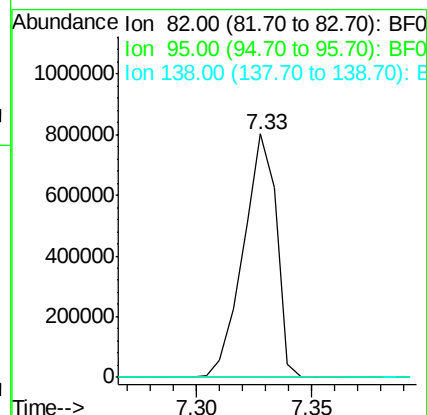
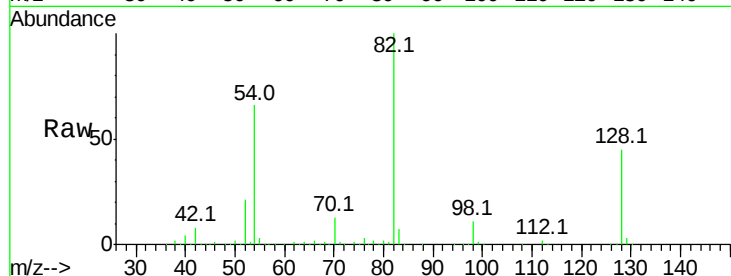
Tot Ion: 82 Resp: 802518

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

138 0.0 13.1 19.7#



#32

Benzoic acid

Concen: 8.99 ng

RT: 7.90 min Scan# 988

Delta R.T. 0.01 min

Lab File: BF096293.D

Acq: 29 Jun 2017 15:54

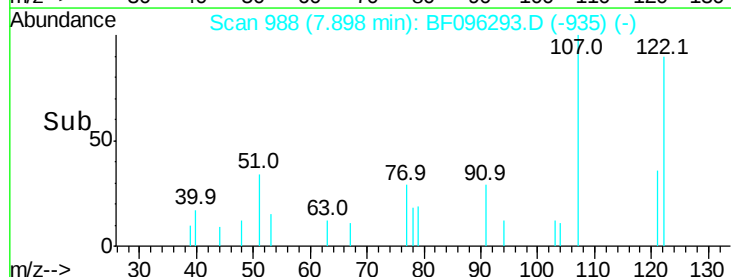
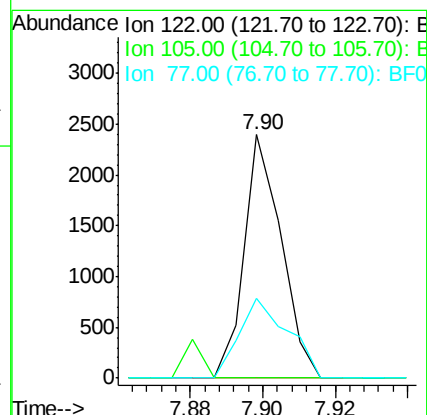
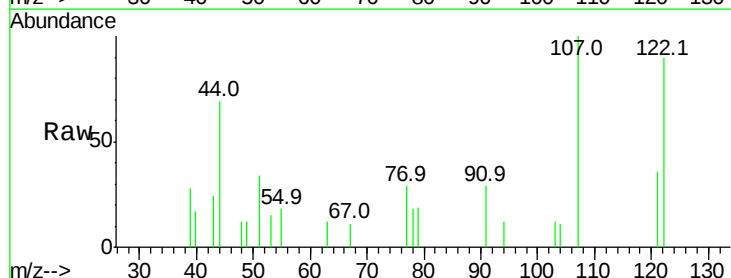
Tgt Ion:122 Resp: 1704

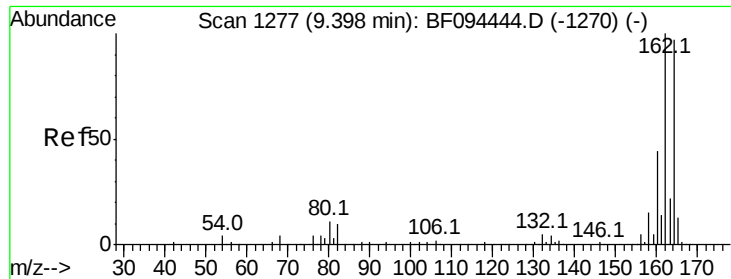
Ion Ratio Lower Upper

122 100

105 0.0 103.3 143.3#

77 32.6 73.7 113.7#

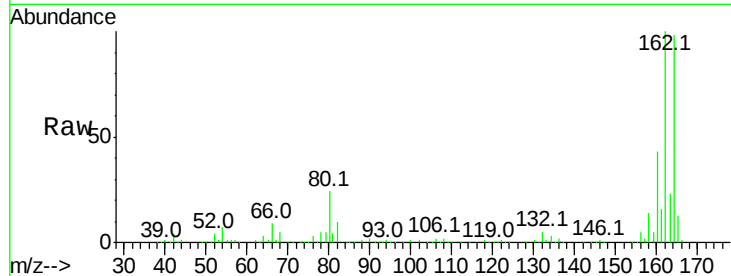




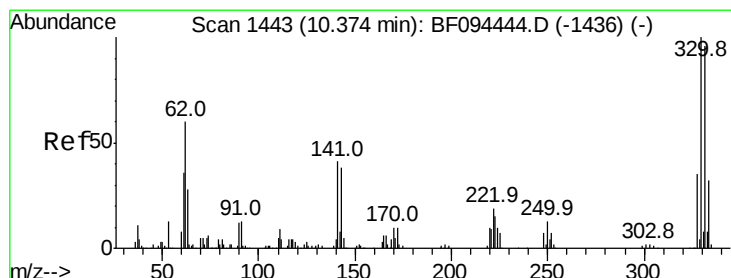
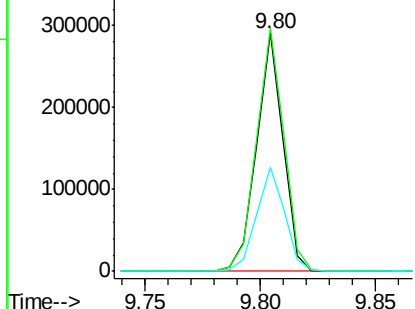
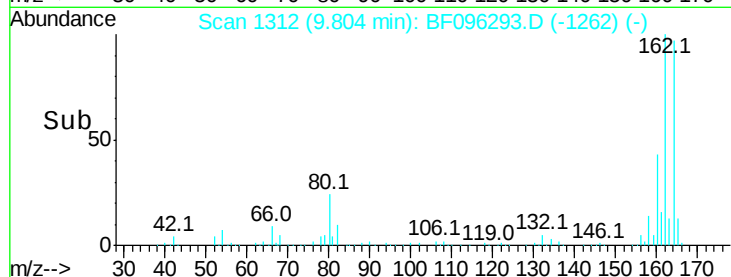
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.80 min Scan# 1312
 Delta R.T. -0.01 min
 Lab File: BF096293.D
 Acq: 29 Jun 2017 15:54

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 233541
 Ion Ratio Lower Upper
 164 100
 162 102.3 82.6 123.8
 160 43.6 36.2 54.2

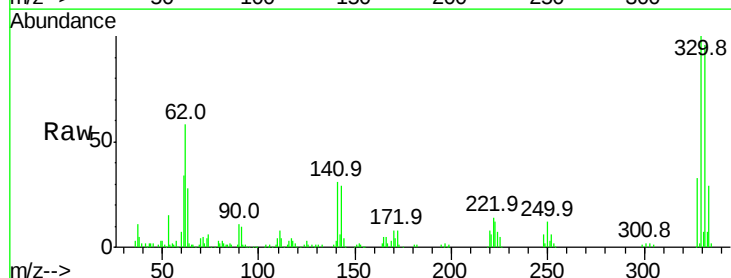


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

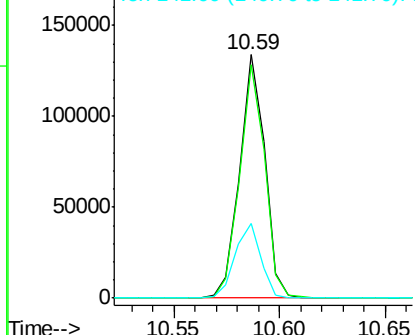
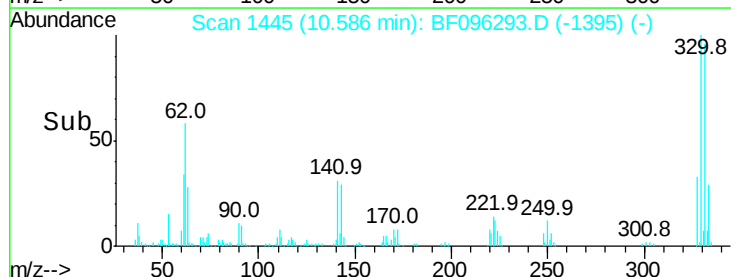


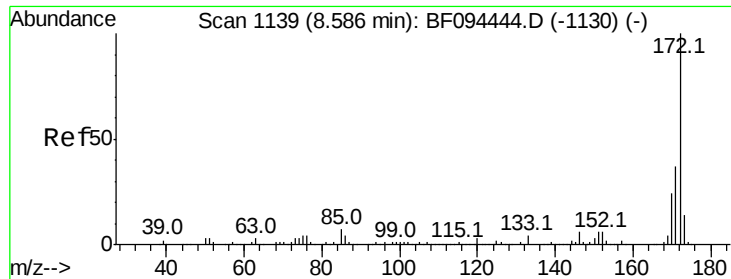
#41
 2,4,6-Tribromophenol
 Concen: 59.96 ng
 RT: 10.59 min Scan# 1445
 Delta R.T. -0.01 min
 Lab File: BF096293.D
 Acq: 29 Jun 2017 15:54

Tgt Ion:330 Resp: 110201
 Ion Ratio Lower Upper
 330 100
 332 95.4 76.6 115.0
 141 31.4 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



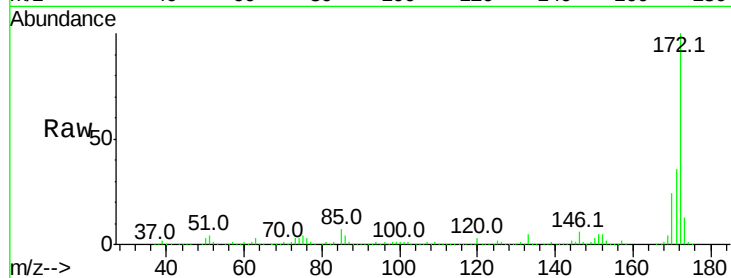


#44
 2-Fluorobiphenyl
 Concen: 95.33 ng
 RT: 9.13 min Scan# 1198
 Delta R.T. -0.02 min
 Lab File: BF096293.D
 Acq: 29 Jun 2017 15:54

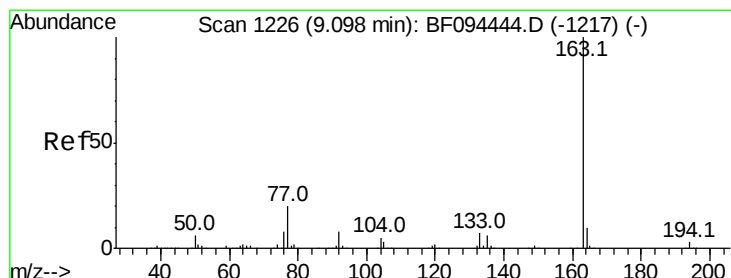
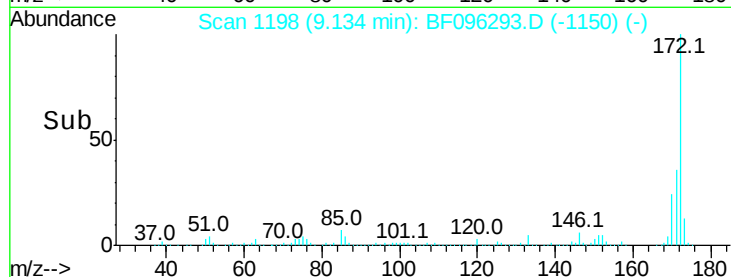
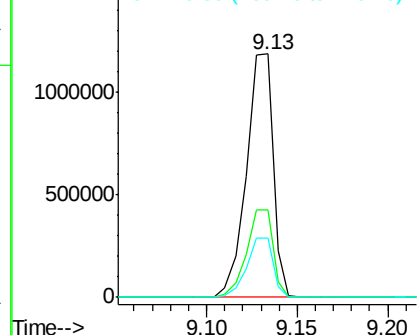
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1215685

Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.6	44.4
170	24.2	19.8	29.8



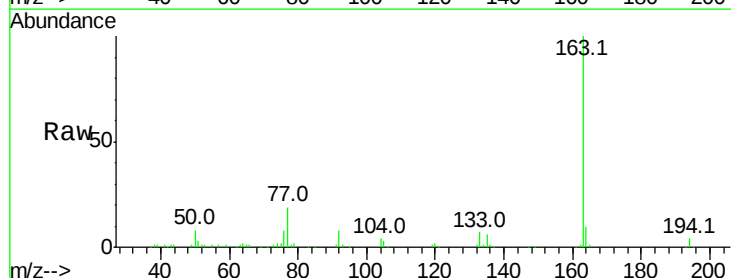
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



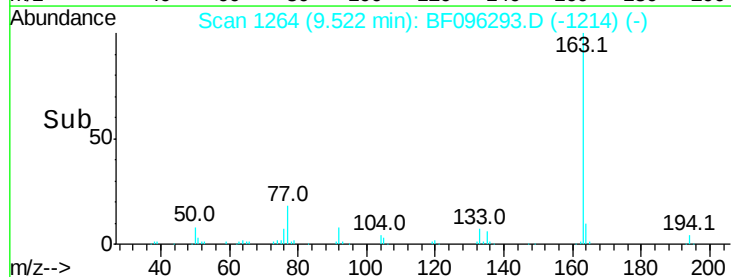
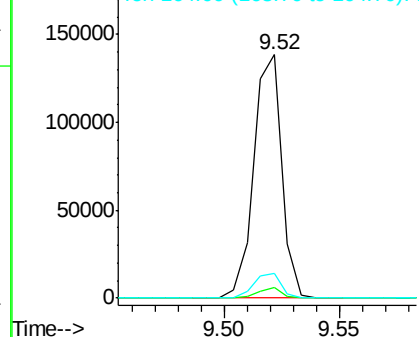
#49
 Dimethylphthalate
 Concen: 7.02 ng
 RT: 9.52 min Scan# 1264
 Delta R.T. -0.01 min
 Lab File: BF096293.D
 Acq: 29 Jun 2017 15:54

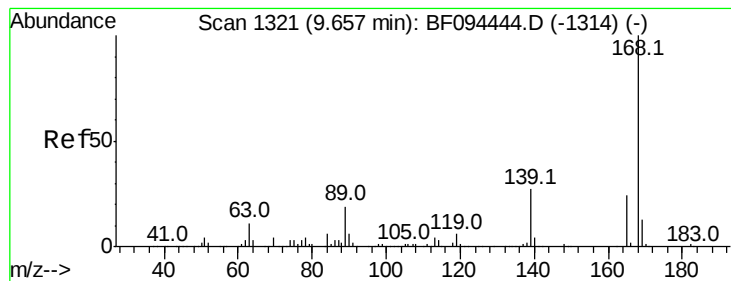
Tgt Ion:163 Resp: 117263

Ion	Ratio	Lower	Upper
163	100		
194	4.2	2.6	4.0#
164	10.0	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: 6.81 ng

RT: 9.80 min Scan# 1312

Delta R.T. -0.21 min

Lab File: BF096293.D

Acq: 29 Jun 2017 15:54

Instrument :
BNA_F
ClientSampleId :

Tot Ion:165 Resp: 29856

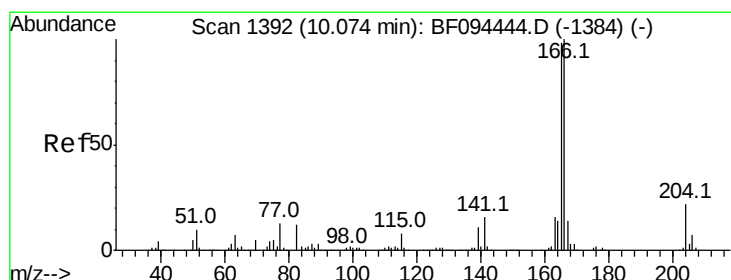
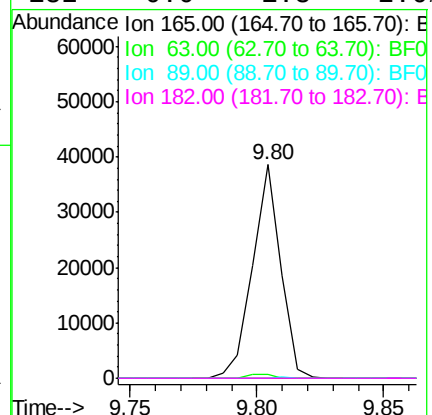
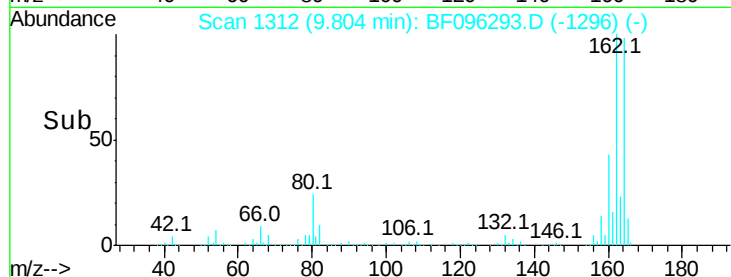
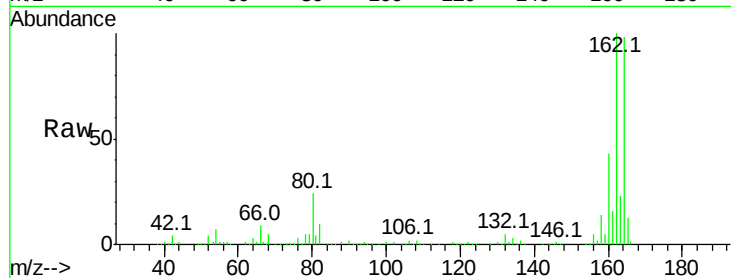
Ion Ratio Lower Upper

165 100

63 2.0 25.4 38.0#

89 0.0 46.4 69.6#

182 0.0 1.8 2.6#



#57

Fluorene

Concen: Below Cal

RT: 10.35 min Scan# 1404

Delta R.T. -0.02 min

Lab File: BF096293.D

Acq: 29 Jun 2017 15:54

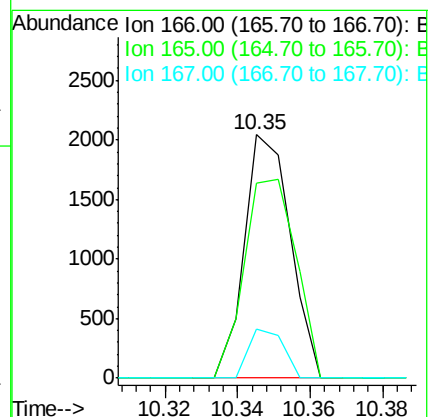
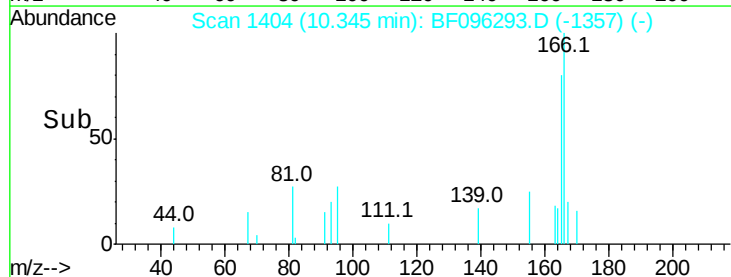
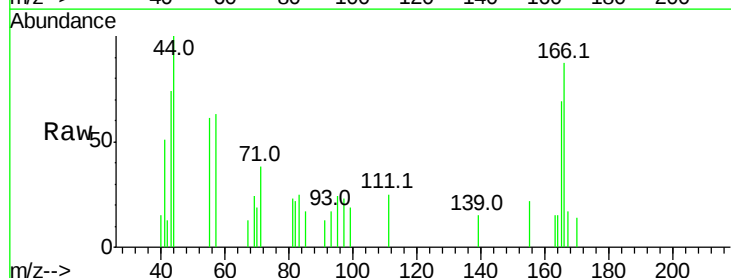
Tgt Ion:166 Resp: 1797

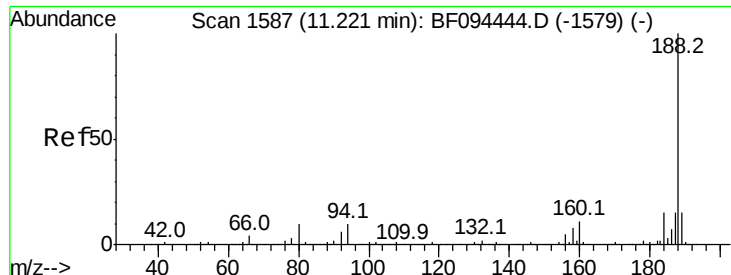
Ion Ratio Lower Upper

166 100

165 80.1 78.8 118.2

167 20.0 10.6 16.0#

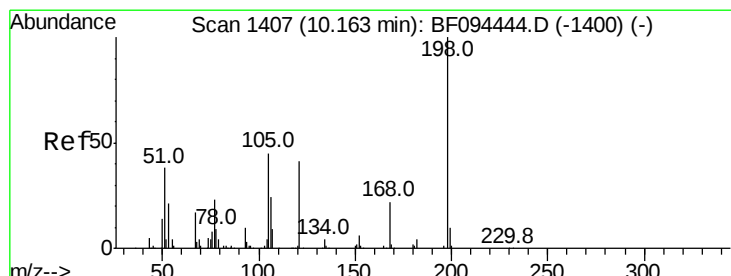
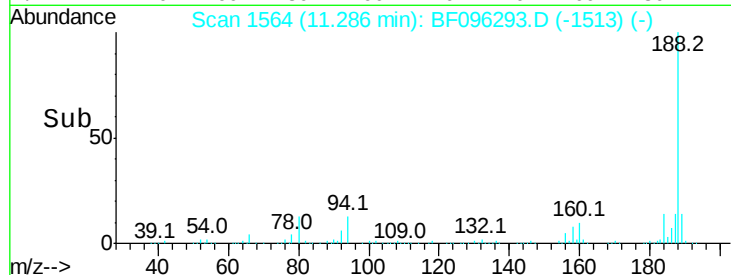
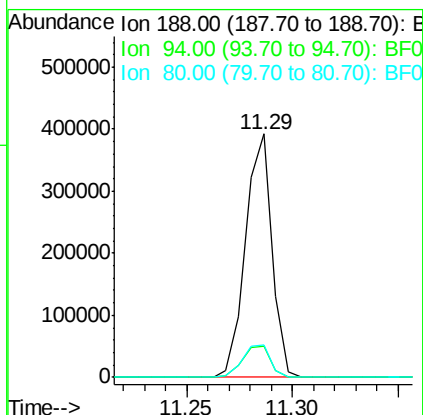
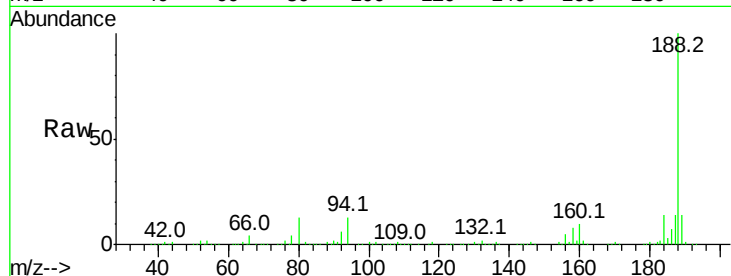




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.29 min Scan# 1564
 Delta R.T. 0.00 min
 Lab File: BF096293.D
 Acq: 29 Jun 2017 15:54

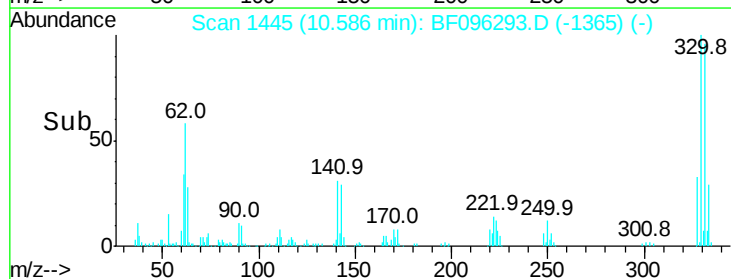
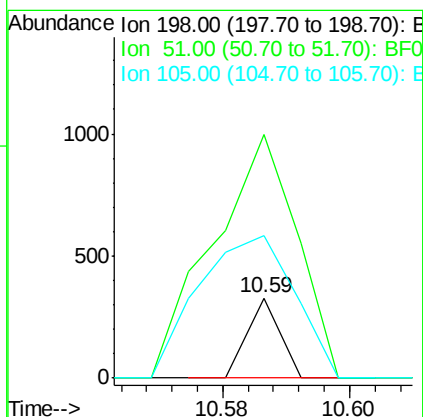
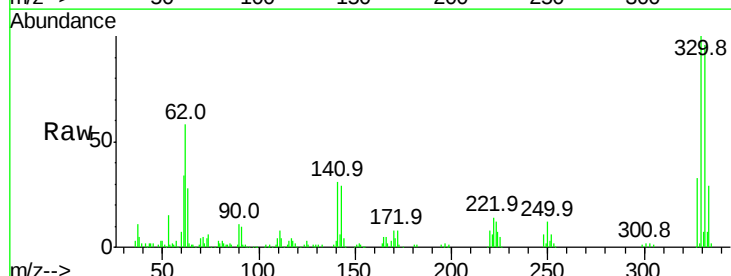
Instrument :
 BNA_F
 ClientSampleId :

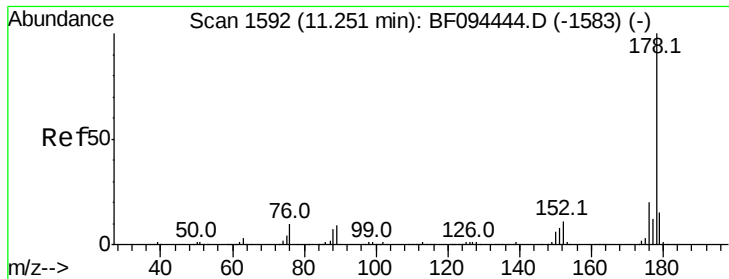
Tot Ion:188 Resp: 341564
 Ion Ratio Lower Upper
 188 100
 94 12.9 9.4 14.2
 80 13.3 10.2 15.2



#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.80 ng
 RT: 10.59 min Scan# 1445
 Delta R.T. 0.17 min
 Lab File: BF096293.D
 Acq: 29 Jun 2017 15:54

Tgt Ion:198 Resp: 116
 Ion Ratio Lower Upper
 198 100
 51 303.0 53.2 93.2#
 105 176.9 45.8 85.8#





#70

Phenanthrene

Concen: Below Cal

RT: 11.31 min Scan# 1568

Delta R.T. -0.02 min

Lab File: BF096293.D

Acq: 29 Jun 2017 15:54

Instrument :

BNA_F

ClientSampleId :

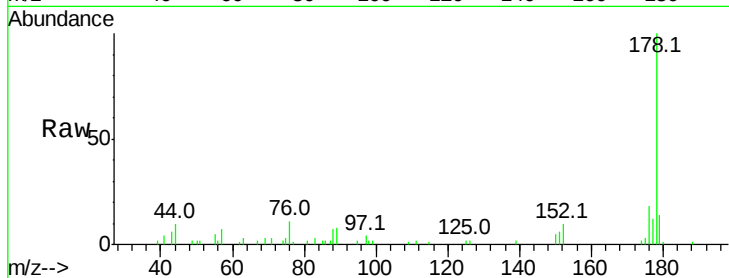
Tot Ion:178 Resp: 24862

Ion Ratio Lower Upper

178 100

176 17.8 16.2 24.4

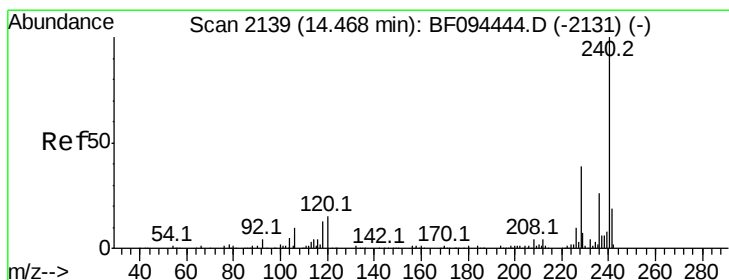
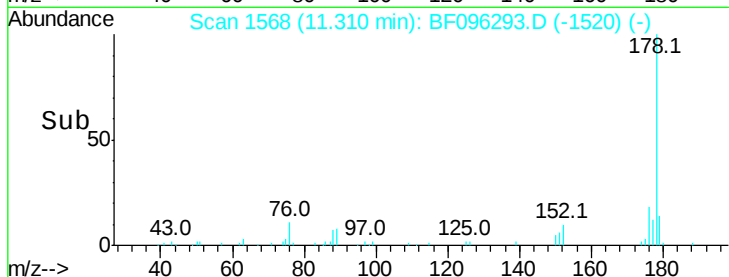
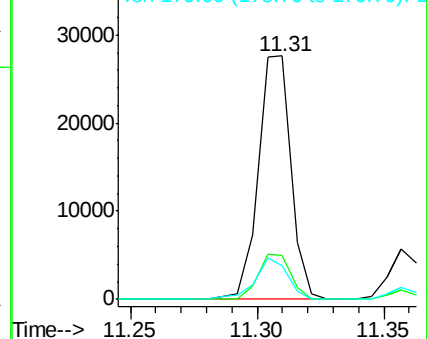
179 14.0 12.6 19.0



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.92 min Scan# 2011

Delta R.T. 0.00 min

Lab File: BF096293.D

Acq: 29 Jun 2017 15:54

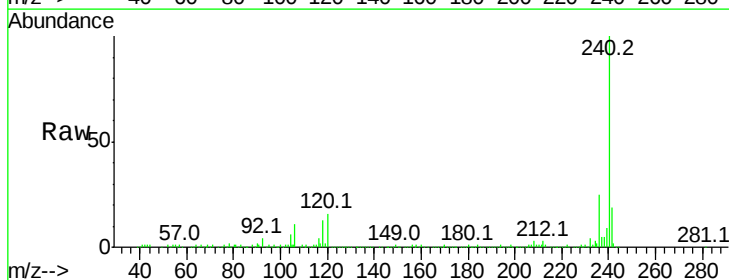
Tgt Ion:240 Resp: 339204

Ion Ratio Lower Upper

240 100

120 15.9 5.8 8.8#

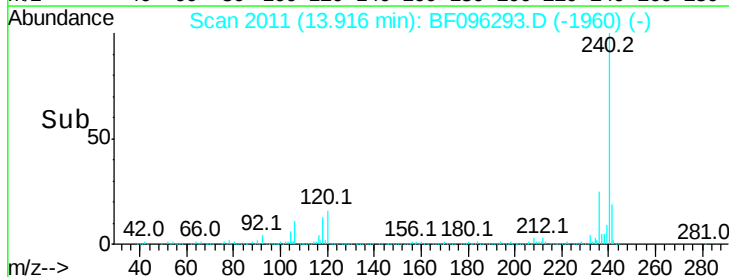
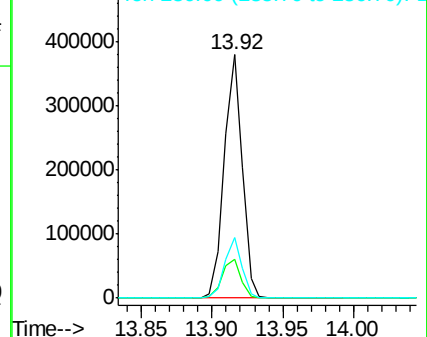
236 24.7 20.5 30.7

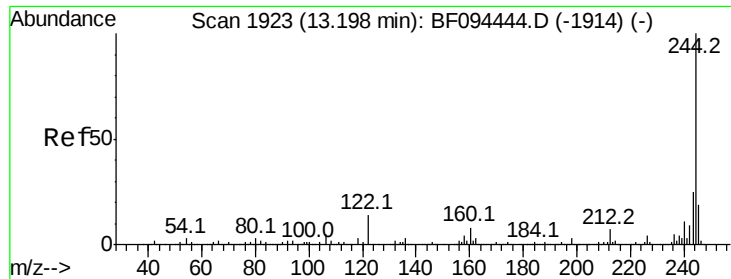


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

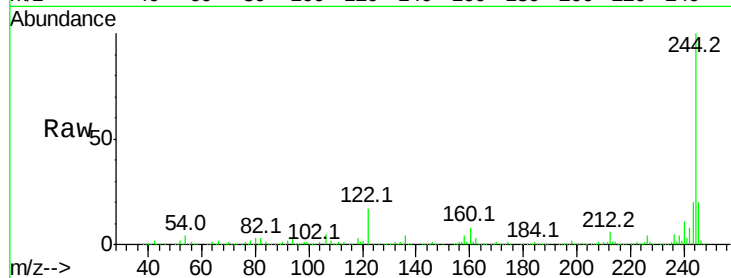




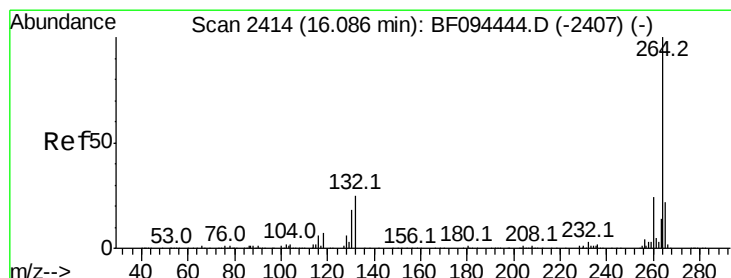
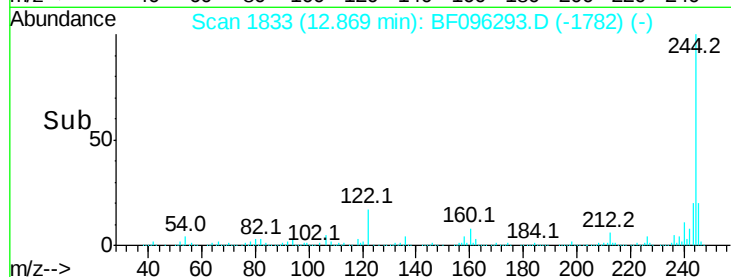
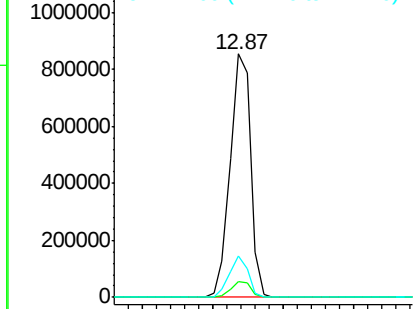
#78
 Terphenyl-d14
 Concen: 63.36 ng
 RT: 12.87 min Scan# 1833
 Delta R.T. 0.00 min
 Lab File: BF096293.D
 Acq: 29 Jun 2017 15:54

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 861244
 Ion Ratio Lower Upper
 244 100
 212 6.4 6.0 9.0
 122 16.8 10.3 15.5#

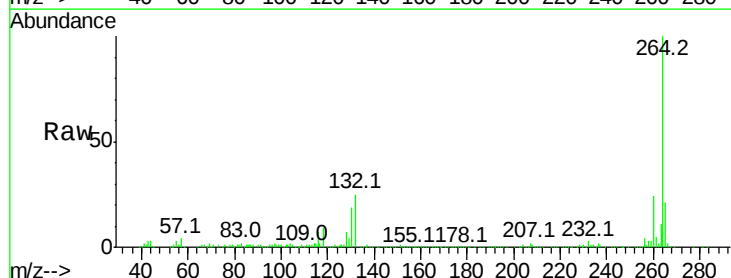


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.34 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: BF096293.D
 Acq: 29 Jun 2017 15:54

Tgt Ion:264 Resp: 261404
 Ion Ratio Lower Upper
 264 100
 260 23.6 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

