

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062917\
 Data File : BF096291.D
 Acq On : 29 Jun 2017 14:58
 Operator : SJ/MA
 Sample : I3949-07
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 29 17:34:04 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

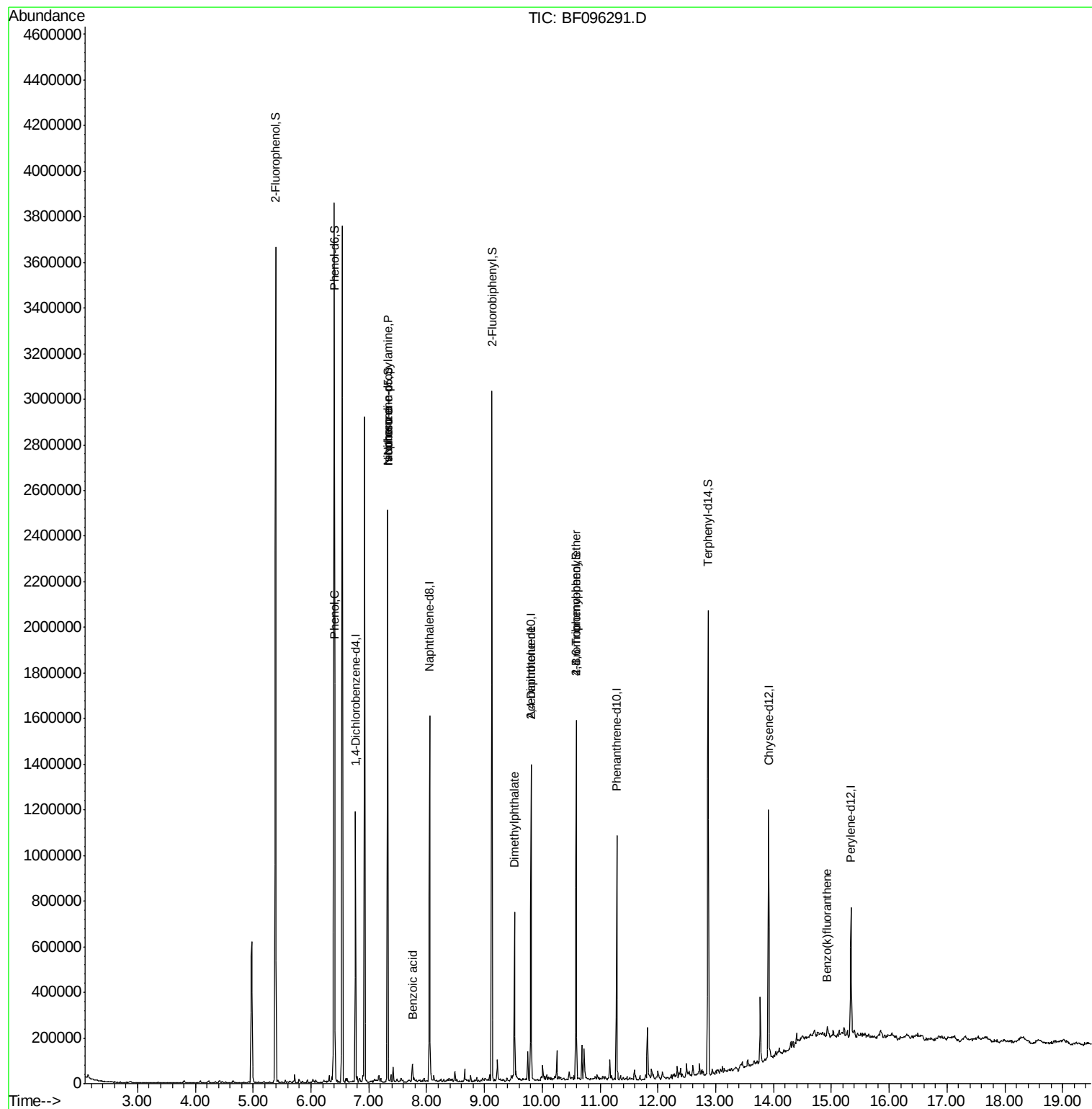
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	167483	20.00	ng	-0.01
21) Naphthalene-d8	8.05	136	659103	20.00	ng	0.00
38) Acenaphthene-d10	9.80	164	240892	20.00	ng	0.00
63) Phenanthrene-d10	11.29	188	358985	20.00	ng	0.00
75) Chrysene-d12	13.92	240	335206	20.00	ng	0.00
86) Perylene-d12	15.34	264	248976	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	1114660	95.88	ng	0.01
7) Phenol-d6	6.40	99	1359820	96.60	ng	0.01
23) Nitrobenzene-d5	7.33	82	761564	79.99	ng	-0.03
41) 2,4,6-Tribromophenol	10.59	330	181571	95.78	ng	0.00
44) 2-Fluorobiphenyl	9.13	172	916296	69.66	ng	-0.02
78) Terphenyl-d14	12.87	244	577432	42.98	ng	0.00
Target Compounds						
9) Benzaldehyde	6.32	77	2621	Below Cal		Qvalue 88
10) Phenol	6.42	94	31215	2.02 ng		85
19) n-Nitroso-di-n-propylamine	7.33	70	99648	11.82 ng	#	87
25) Isophorone	7.33	82	761428	35.21 ng	#	67
32) Benzoic acid	7.76	122	17743	10.88 ng		97
49) Dimethylphthalate	9.52	163	280769	16.29 ng		98
56) 2,4-Dinitrotoluene	9.80	165	31534	6.98 ng	#	34
57) Fluorene	10.35	166	456	Below Cal	#	72
66) 4-Bromophenyl-phenylether	10.59	248	10091	2.73 ng	#	1
70) Phenanthrene	11.36	178	4226	Below Cal		95
88) Benzo(k)fluoranthene	14.93	252	32136	2.15 ng	#	89

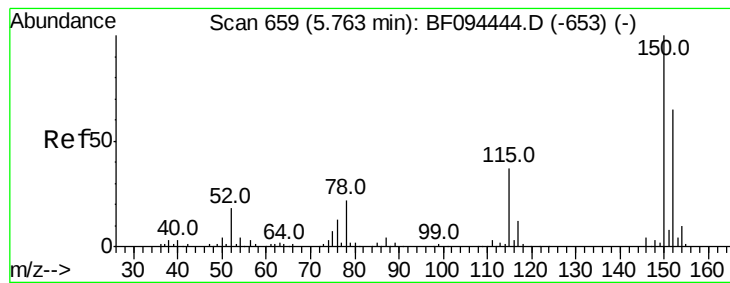
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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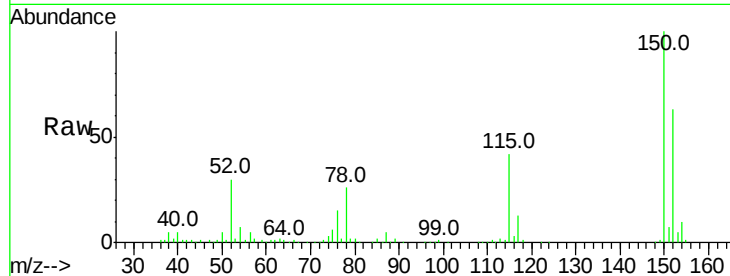


#1

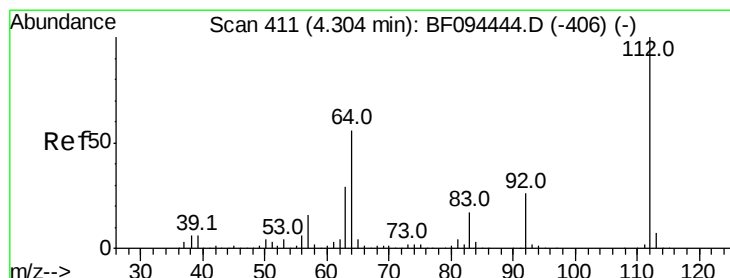
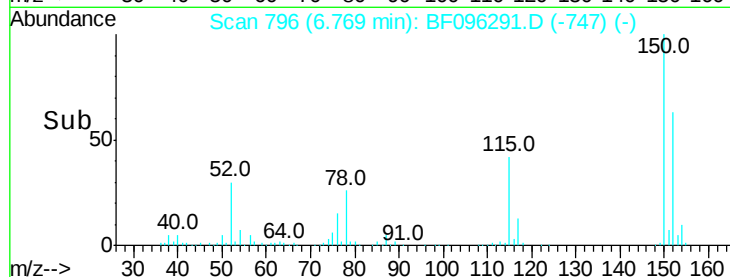
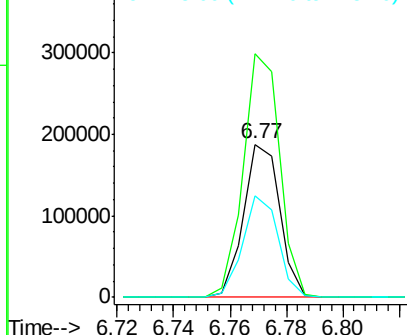
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.77 min Scan# 796
Delta R.T. -0.01 min
Lab File: BF096291.D
Acq: 29 Jun 2017 14:58

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 167483
Ion Ratio Lower Upper
152 100
150 159.3 126.2 189.2
115 66.5 52.2 78.2



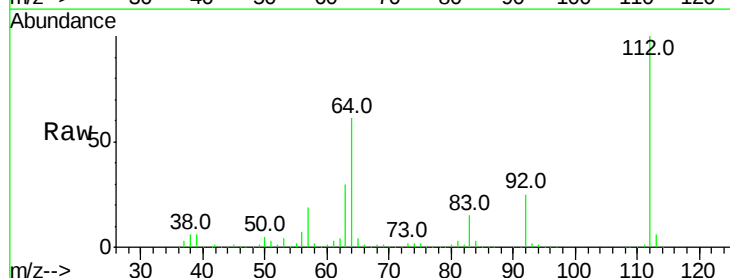
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



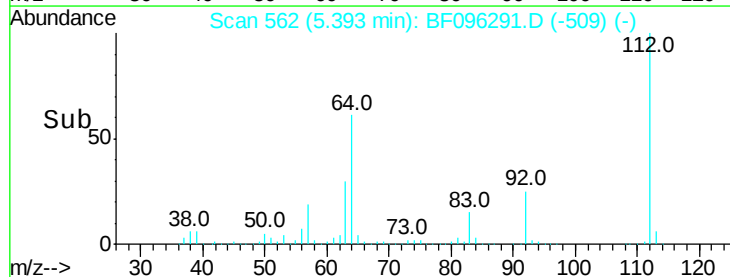
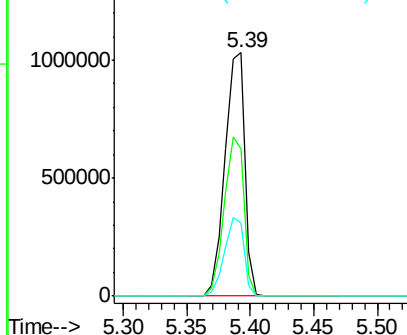
#5

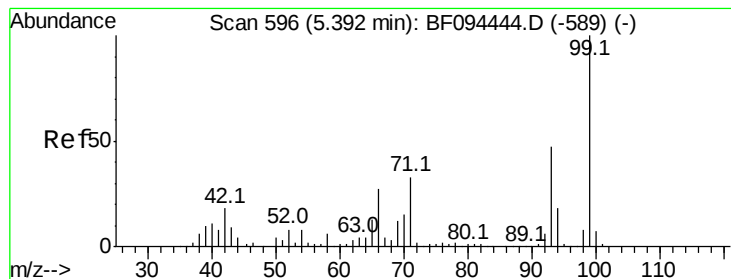
2-Fluorophenol
Concen: 95.88 ng
RT: 5.39 min Scan# 562
Delta R.T. 0.01 min
Lab File: BF096291.D
Acq: 29 Jun 2017 14:58

Tgt Ion:112 Resp: 1114660
Ion Ratio Lower Upper
112 100
64 60.9 46.0 69.0
63 30.2 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: 96.60 ng

RT: 6.40 min Scan# 734

Delta R.T. 0.01 min

Lab File: BF096291.D

Acq: 29 Jun 2017 14:58

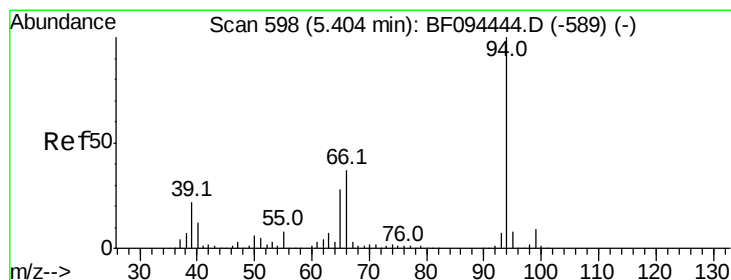
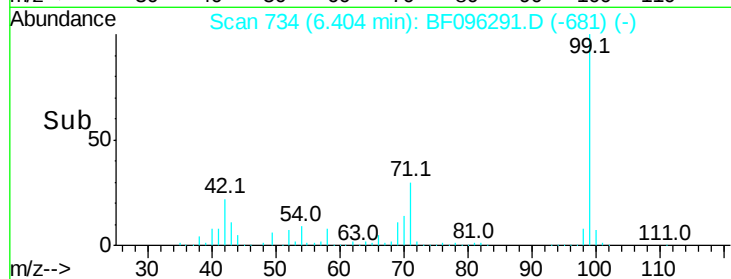
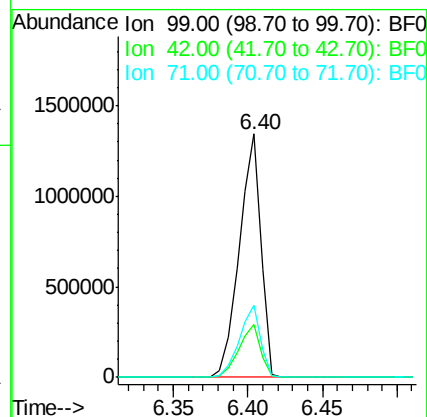
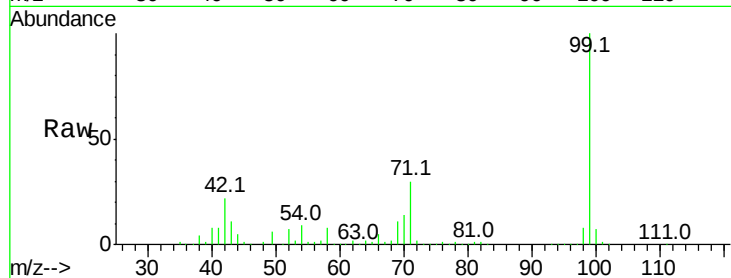
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1359820

Ion	Ratio	Lower	Upper
99	100		
42	21.5	13.5	20.3#
71	29.8	24.5	36.7



#10

Phenol

Concen: 2.02 ng

RT: 6.42 min Scan# 736

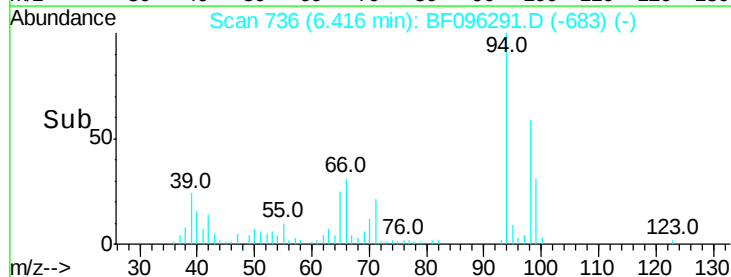
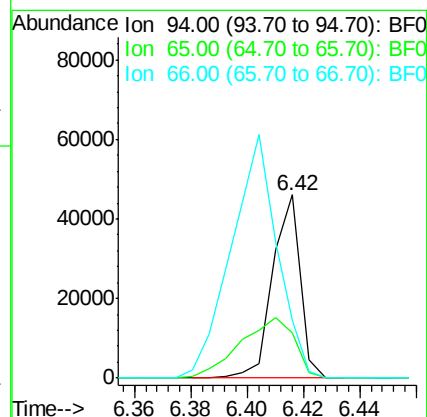
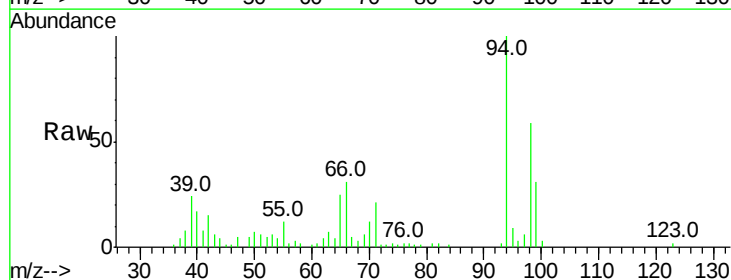
Delta R.T. 0.01 min

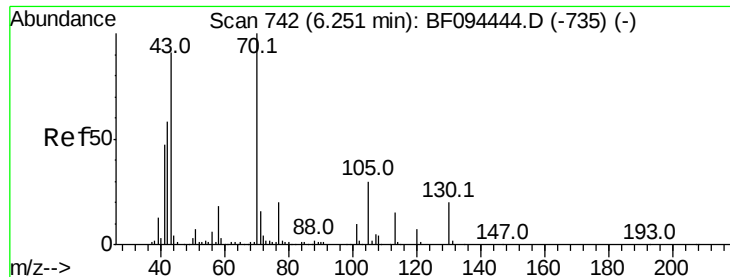
Lab File: BF096291.D

Acq: 29 Jun 2017 14:58

Tgt Ion: 94 Resp: 31215

Ion	Ratio	Lower	Upper
94	100		
65	24.8	9.9	49.9
66	31.3	23.1	63.1

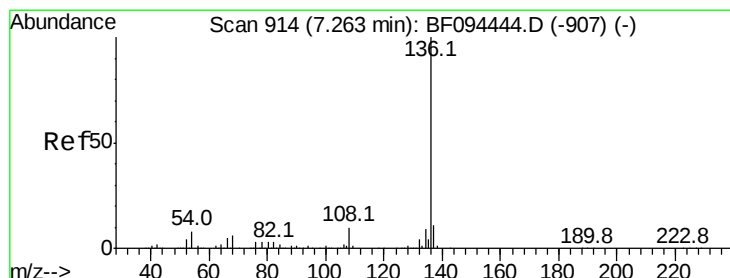
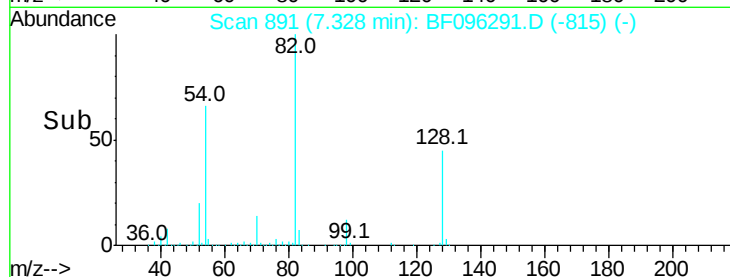
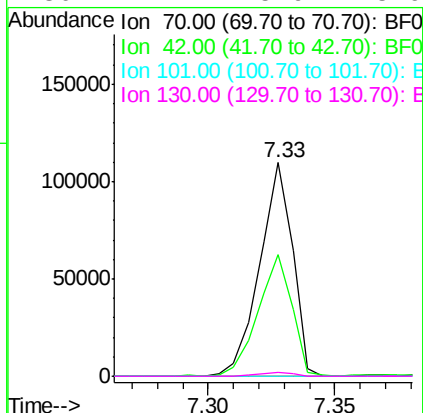
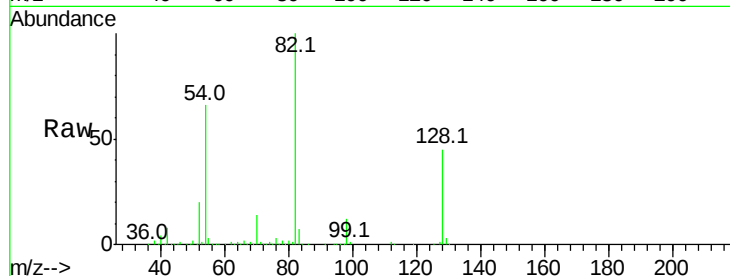




#19
n-Nitroso-di-n-propylamine
Concen: 11.82 ng
RT: 7.33 min Scan# 891
Delta R.T. 0.15 min
Lab File: BF096291.D
Acq: 29 Jun 2017 14:58

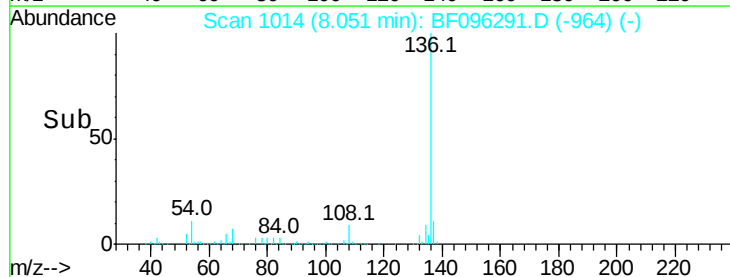
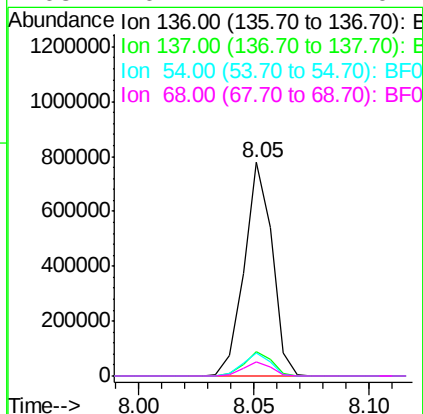
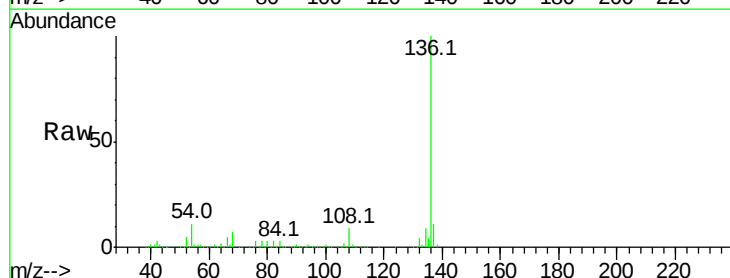
Instrument :
BNA_F
ClientSampleId :

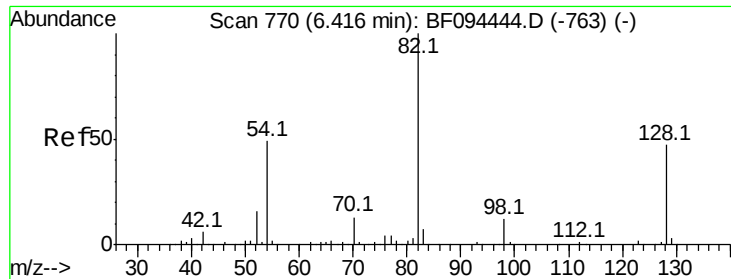
Tot Ion: 70 Resp: 99648
Ion Ratio Lower Upper
70 100
42 57.0 47.2 70.8
101 0.0 7.2 10.8#
130 2.1 15.9 23.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.05 min Scan# 1014
Delta R.T. -0.01 min
Lab File: BF096291.D
Acq: 29 Jun 2017 14:58

Tgt Ion:136 Resp: 659103
Ion Ratio Lower Upper
136 100
137 11.4 8.5 12.7
54 11.1 4.9 7.3#
68 6.7 4.1 6.1#

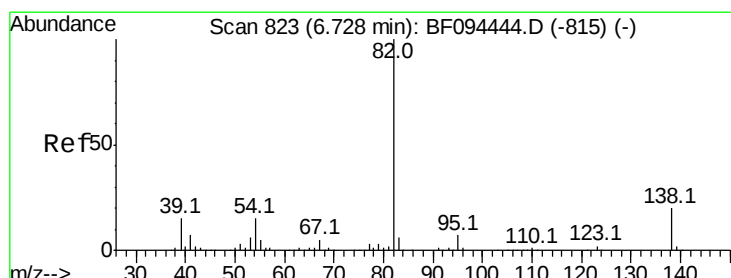
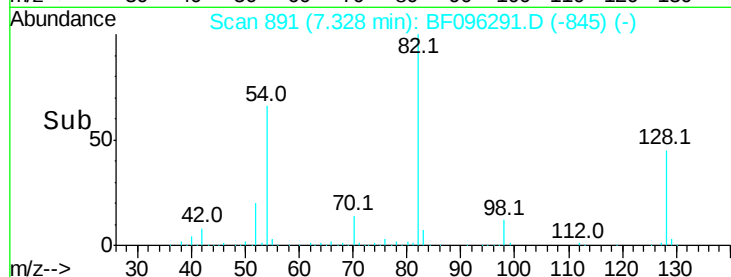
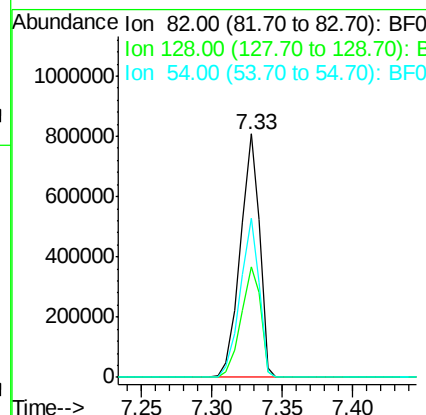
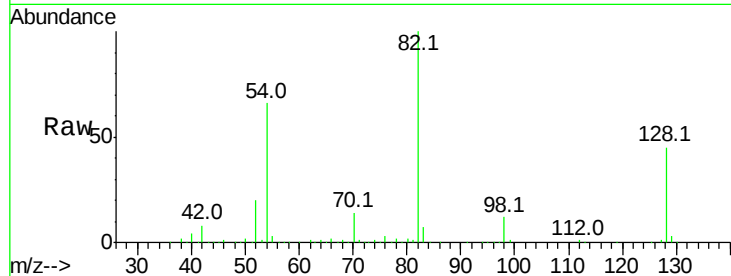




#23
 Nitrobenzene-d5
 Concen: 79.99 ng
 RT: 7.33 min Scan# 891
 Delta R.T. -0.03 min
 Lab File: BF096291.D
 Acq: 29 Jun 2017 14:58

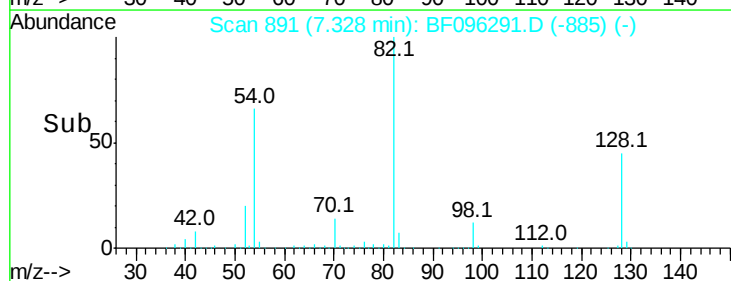
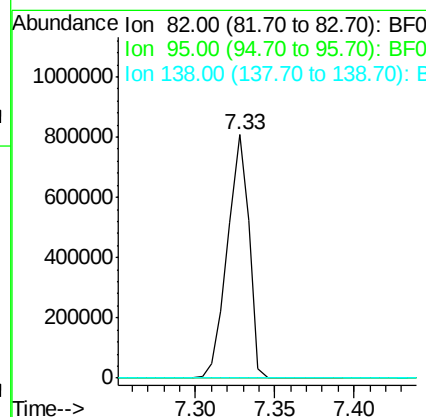
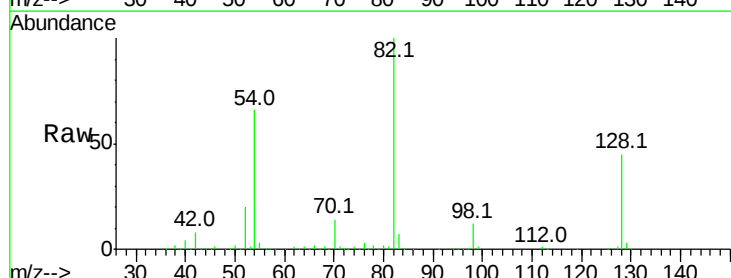
Instrument :
 BNA_F
 ClientSampled :

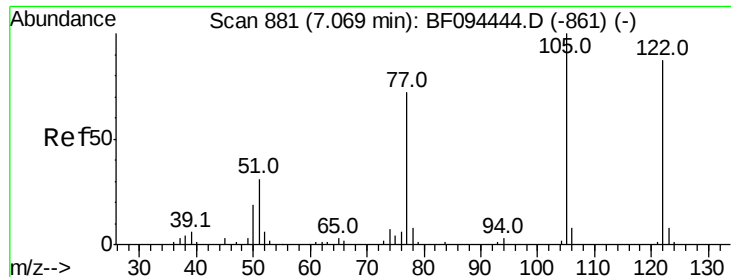
Tot Ion: 82 Resp: 761564
 Ion Ratio Lower Upper
 82 100
 128 45.2 34.0 51.0
 54 65.6 42.2 63.2#



#25
 Isophorone
 Concen: 35.21 ng
 RT: 7.33 min Scan# 891
 Delta R.T. -0.26 min
 Lab File: BF096291.D
 Acq: 29 Jun 2017 14:58

Tgt Ion: 82 Resp: 761428
 Ion Ratio Lower Upper
 82 100
 95 0.1 5.3 7.9#
 138 0.0 13.1 19.7#





#32

Benzoic acid

Concen: 10.88 ng

RT: 7.76 min Scan# 964

Delta R.T. -0.13 min

Lab File: BF096291.D

Acq: 29 Jun 2017 14:58

Instrument :

BNA_F

ClientSampleId :

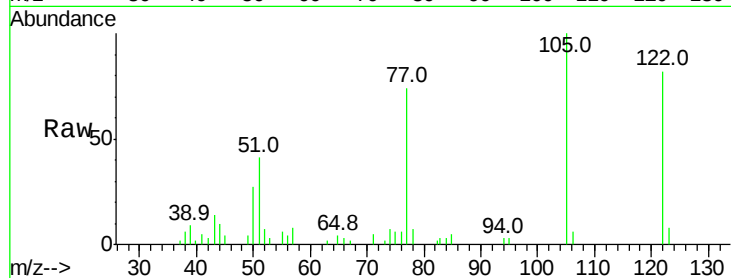
Tot Ion:122 Resp: 17743

Ion Ratio Lower Upper

122 100

105 121.3 103.3 143.3

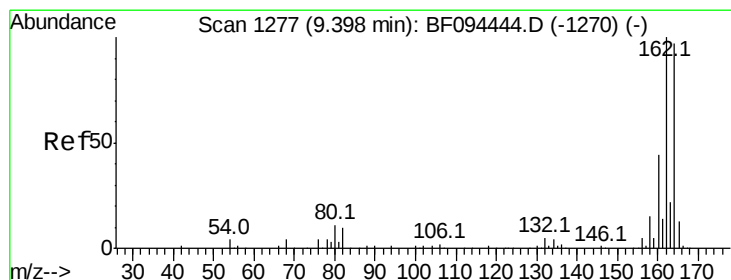
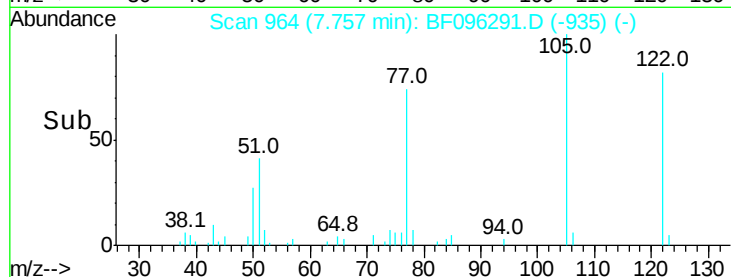
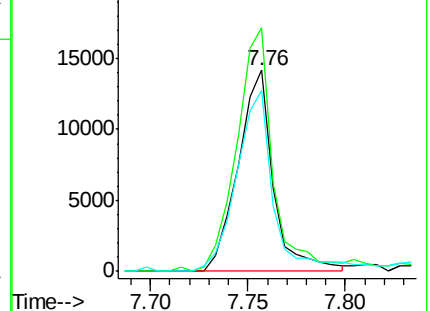
77 89.9 73.7 113.7



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.80 min Scan# 1312

Delta R.T. -0.01 min

Lab File: BF096291.D

Acq: 29 Jun 2017 14:58

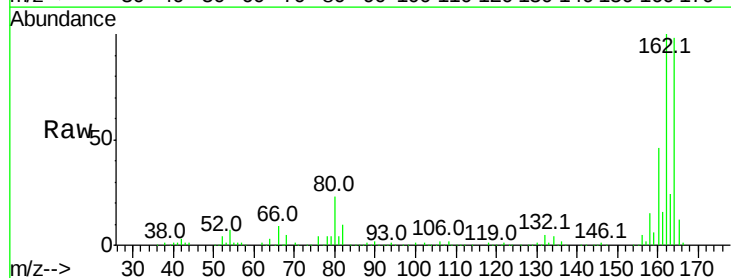
Tgt Ion:164 Resp: 240892

Ion Ratio Lower Upper

164 100

162 101.9 82.6 123.8

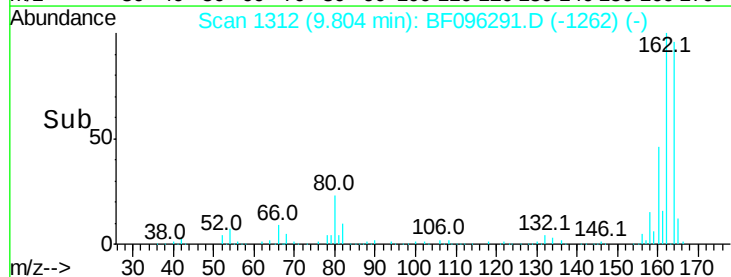
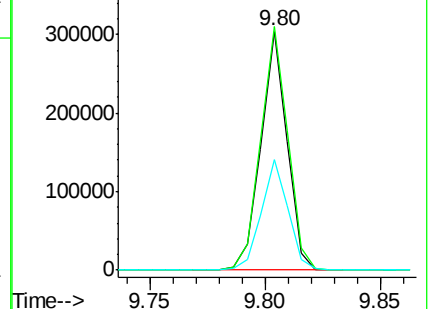
160 46.4 36.2 54.2

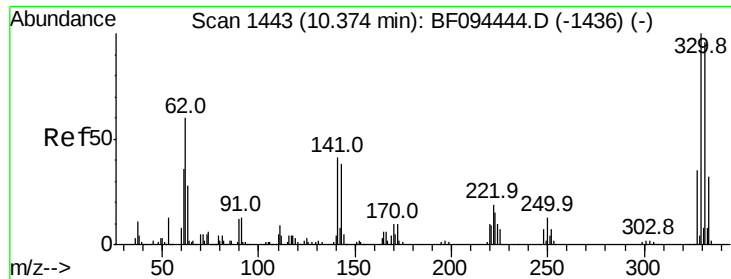


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

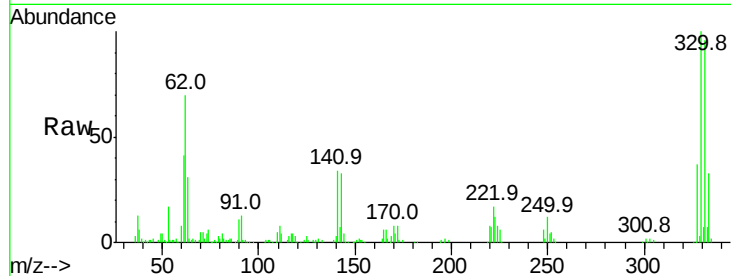




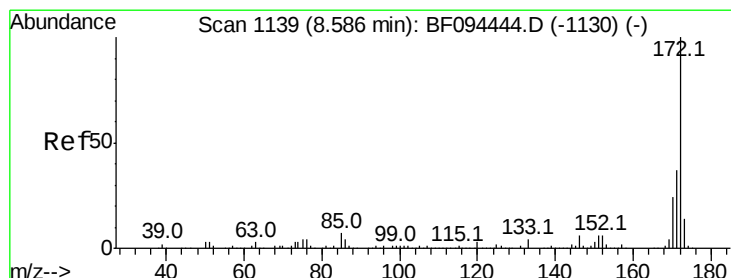
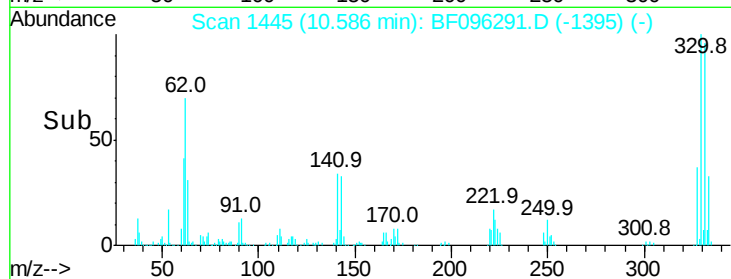
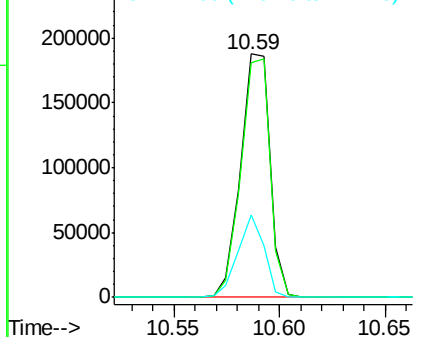
#41
 2,4,6-Tribromophenol
 Concen: 95.78 ng
 RT: 10.59 min Scan# 1445
 Delta R.T. -0.01 min
 Lab File: BF096291.D
 Acq: 29 Jun 2017 14:58

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.9	76.6	115.0
141	30.3	31.4	47.2#

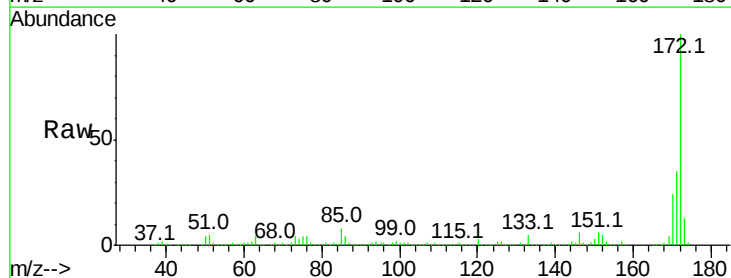


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

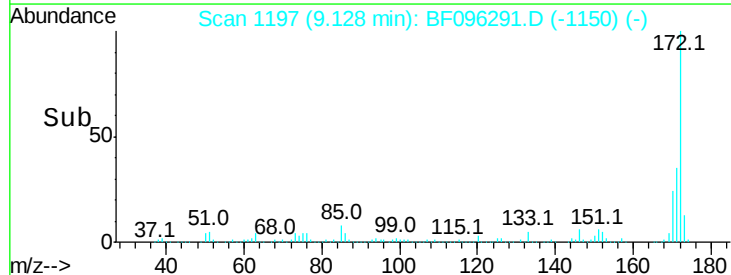
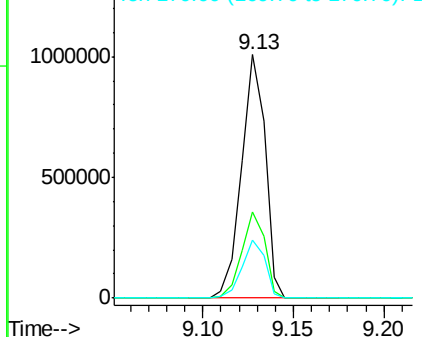


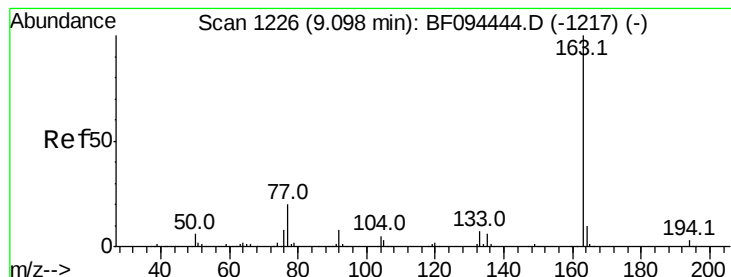
#44
 2-Fluorobiphenyl
 Concen: 69.66 ng
 RT: 9.13 min Scan# 1197
 Delta R.T. -0.02 min
 Lab File: BF096291.D
 Acq: 29 Jun 2017 14:58

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.4	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: 16.29 ng

RT: 9.52 min Scan# 1264

Delta R.T. -0.01 min

Lab File: BF096291.D

Acq: 29 Jun 2017 14:58

Instrument :

BNA_F

ClientSampleId :

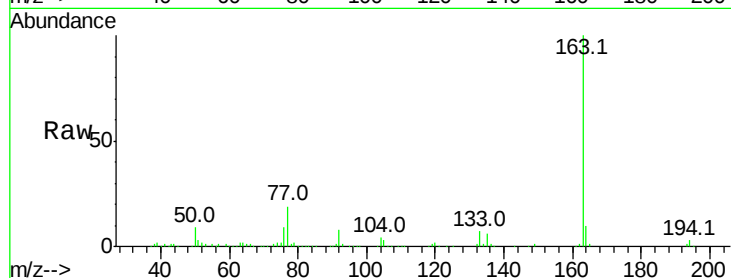
Tot Ion:163 Resp: 280769

Ion Ratio Lower Upper

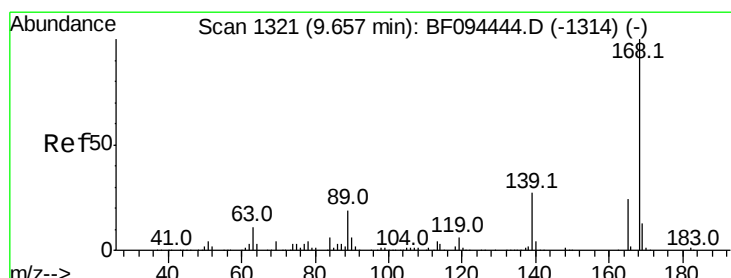
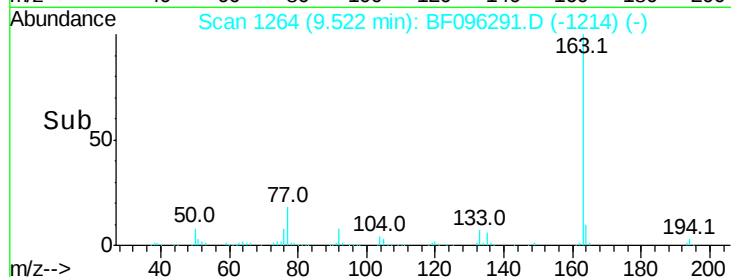
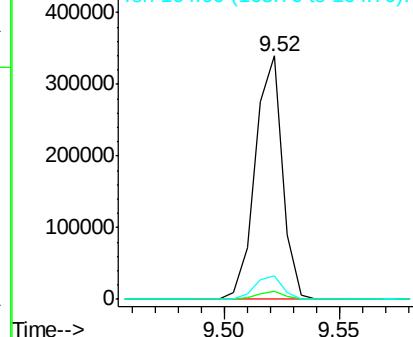
163 100

194 3.4 2.6 4.0

164 9.7 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



#56

2,4-Dinitrotoluene

Concen: 6.98 ng

RT: 9.80 min Scan# 1312

Delta R.T. -0.21 min

Lab File: BF096291.D

Acq: 29 Jun 2017 14:58

Tgt Ion:165 Resp: 31534

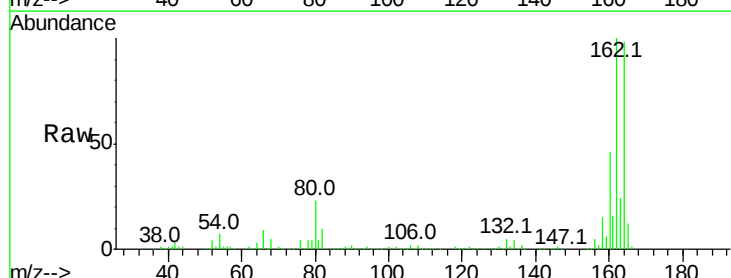
Ion Ratio Lower Upper

165 100

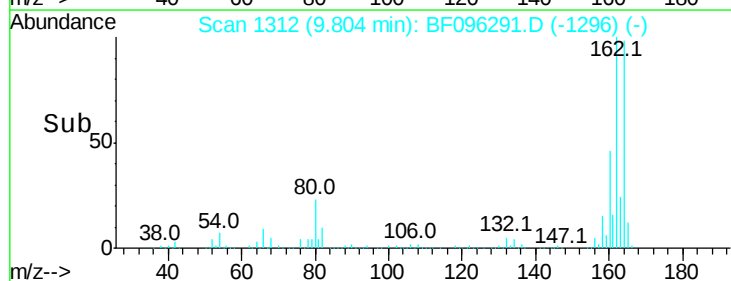
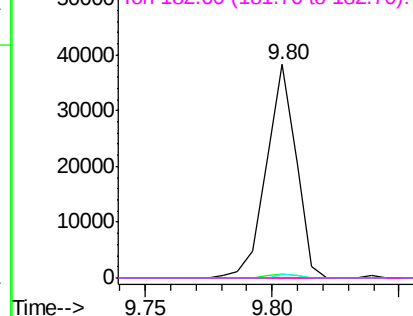
63 2.0 25.4 38.0#

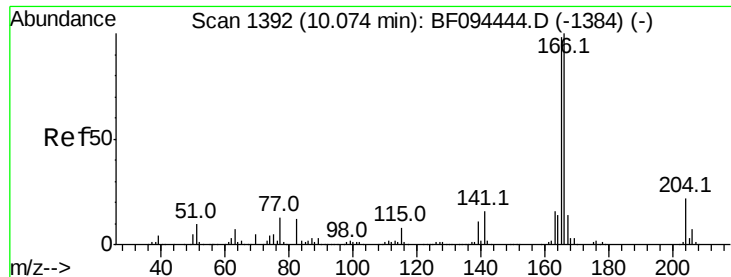
89 1.9 46.4 69.6#

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





#57

Fluorene

Concen: Below Cal

RT: 10.35 min Scan# 1405

Delta R.T. -0.02 min

Lab File: BF096291.D

Acq: 29 Jun 2017 14:58

Instrument :

BNA_F

ClientSampled :

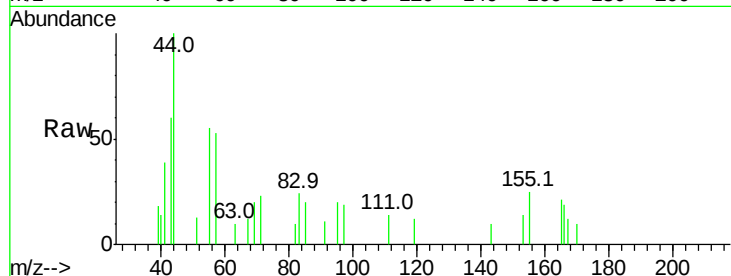
Tot Ion:166 Resp: 456

Ion Ratio Lower Upper

166 100

165 113.2 78.8 118.2

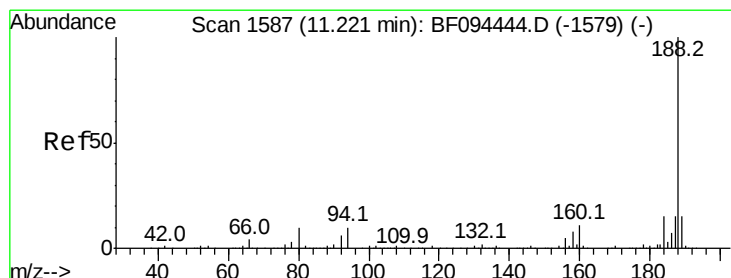
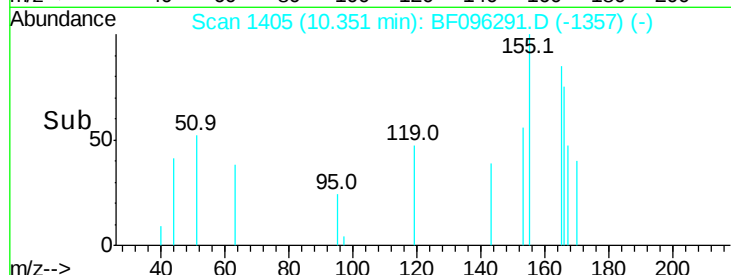
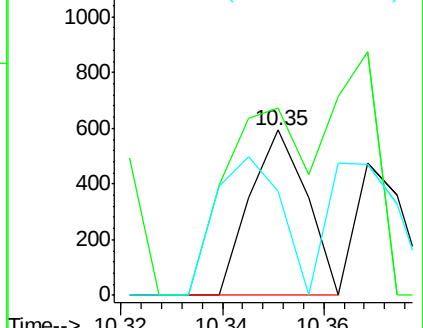
167 63.1 10.6 16.0#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.29 min Scan# 1564

Delta R.T. -0.00 min

Lab File: BF096291.D

Acq: 29 Jun 2017 14:58

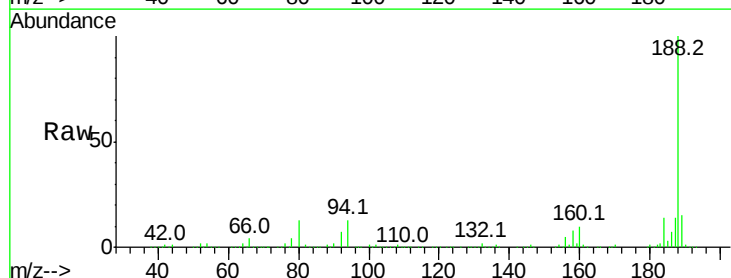
Tgt Ion:188 Resp: 358985

Ion Ratio Lower Upper

188 100

94 12.9 9.4 14.2

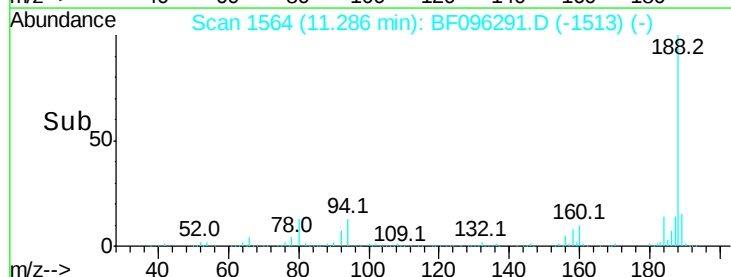
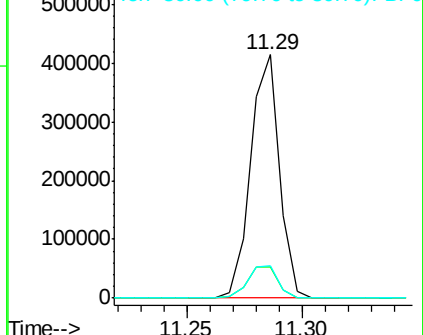
80 13.1 10.2 15.2

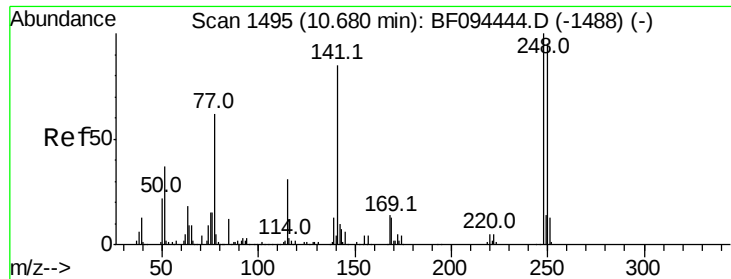


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

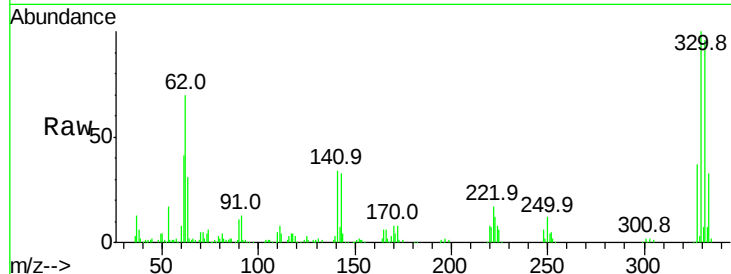




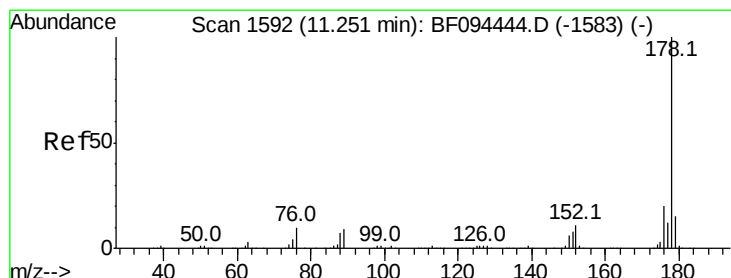
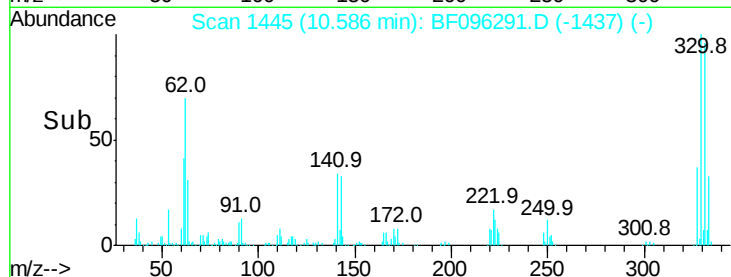
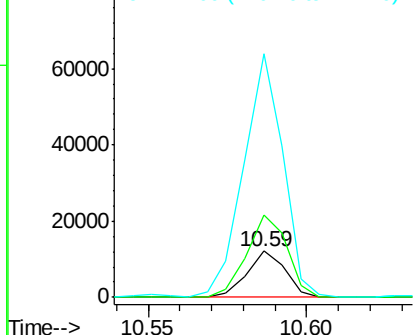
#66
 4-Bromophenyl-phenylether
 Concen: 2.73 ng
 RT: 10.59 min Scan# 1445
 Delta R.T. -0.25 min
 Lab File: BF096291.D
 Acq: 29 Jun 2017 14:58

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 10091
 Ion Ratio Lower Upper
 248 100
 250 178.3 76.8 115.2#
 141 524.8 68.6 103.0#

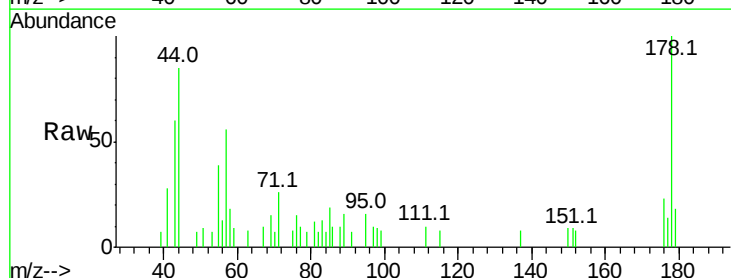


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

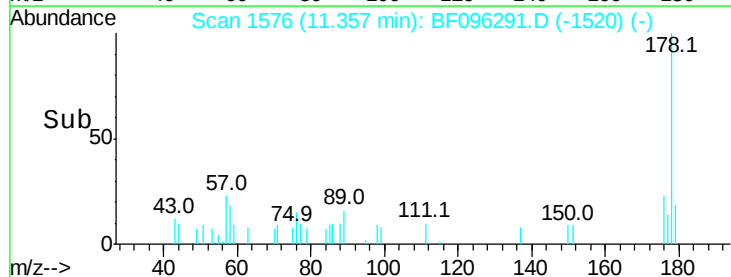
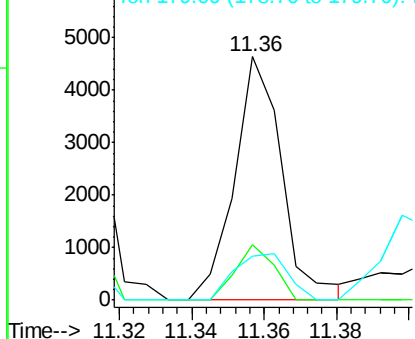


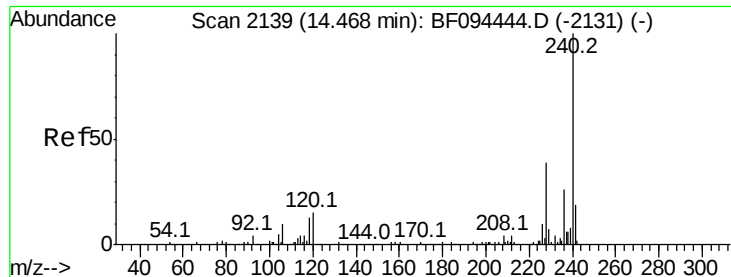
#70
 Phenanthrene
 Concen: Below Cal
 RT: 11.36 min Scan# 1576
 Delta R.T. 0.03 min
 Lab File: BF096291.D
 Acq: 29 Jun 2017 14:58

Tgt Ion:178 Resp: 4226
 Ion Ratio Lower Upper
 178 100
 176 22.5 16.2 24.4
 179 18.1 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: BF096291.D

Acq: 29 Jun 2017 14:58

Instrument :

BNA_F

ClientSampleId :

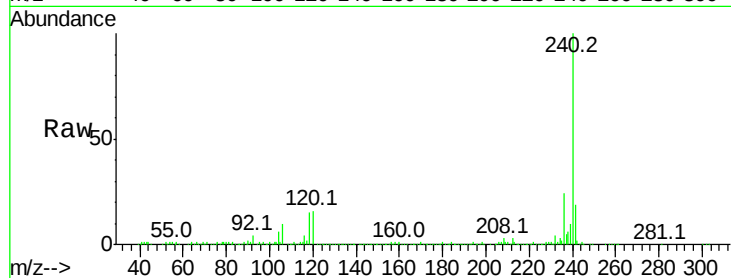
Tot Ion:240 Resp: 335206

Ion Ratio Lower Upper

240 100

120 15.9 5.8 8.8#

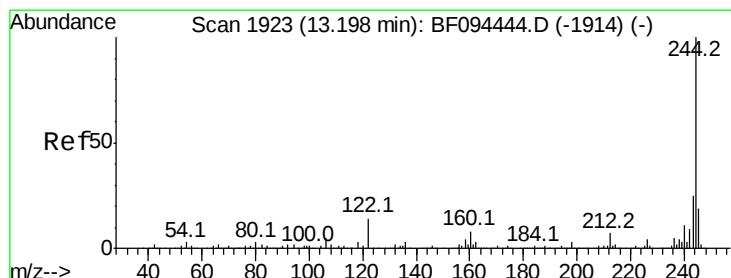
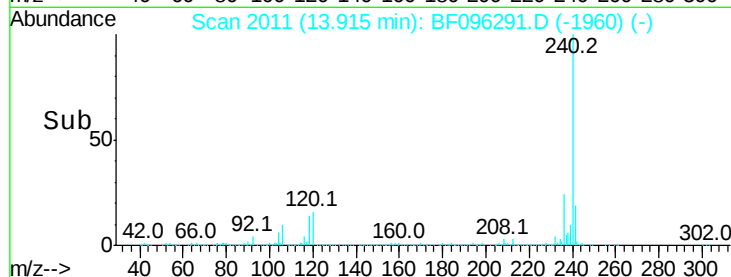
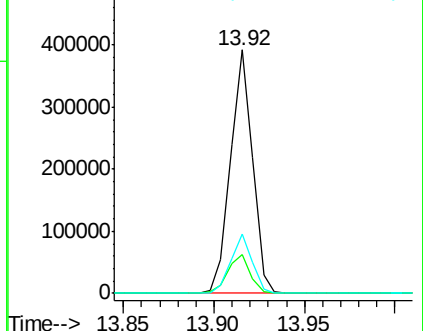
236 24.3 20.5 30.7



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: 42.98 ng

RT: 12.87 min Scan# 1833

Delta R.T. -0.00 min

Lab File: BF096291.D

Acq: 29 Jun 2017 14:58

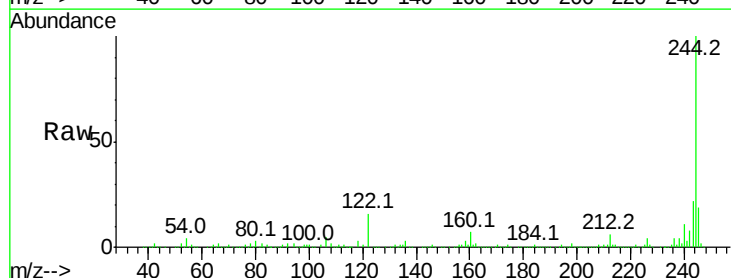
Tgt Ion:244 Resp: 577432

Ion Ratio Lower Upper

244 100

212 5.9 6.0 9.0#

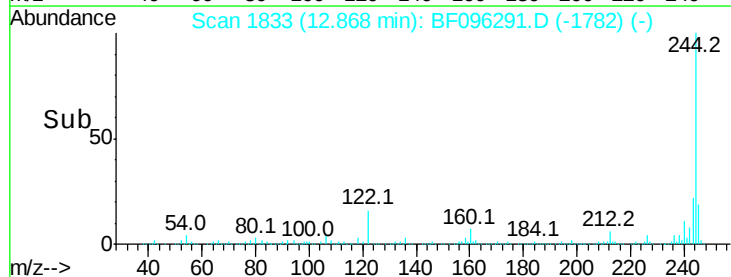
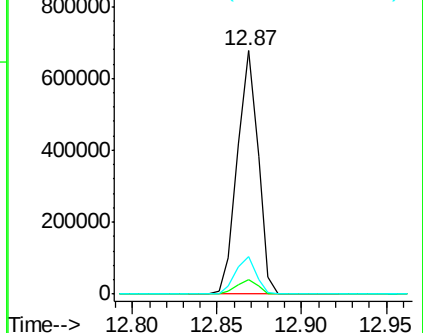
122 15.6 10.3 15.5#

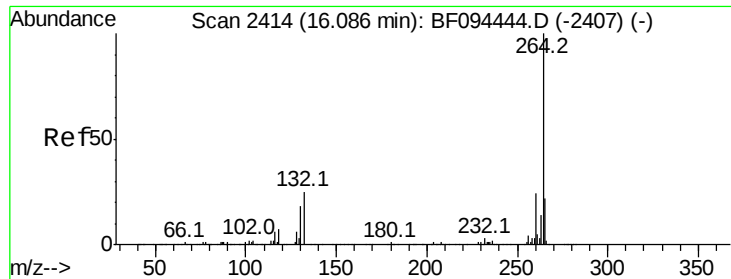


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

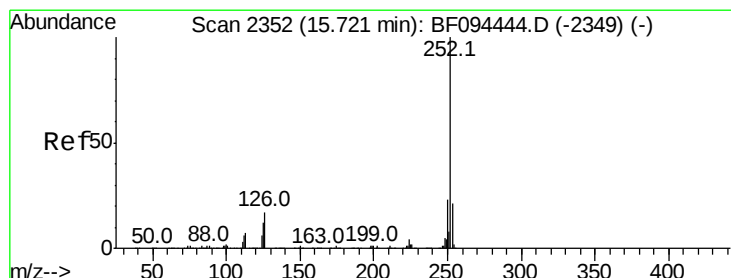
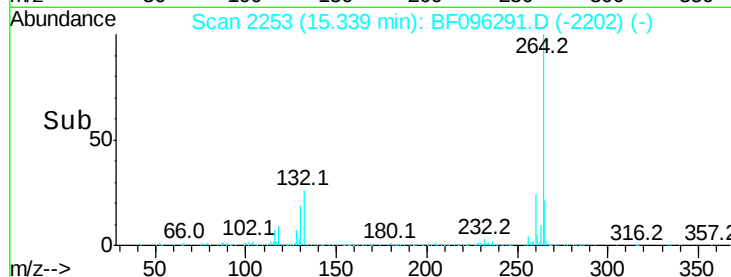
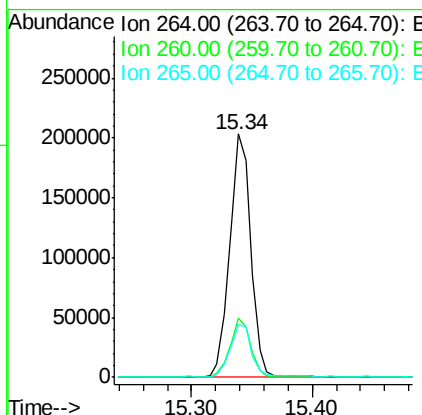
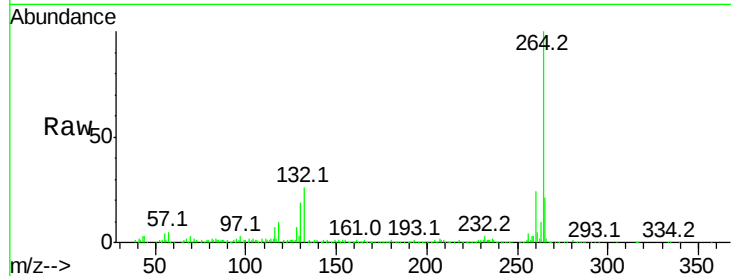




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.34 min Scan# 2253
Delta R.T. -0.00 min
Lab File: BF096291.D
Acq: 29 Jun 2017 14:58

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 248976
Ion Ratio Lower Upper
264 100
260 24.5 19.5 29.3
265 21.5 17.2 25.8



#88
Benzo(k)fluoranthene
Concen: 2.15 ng
RT: 14.93 min Scan# 2184
Delta R.T. -0.02 min
Lab File: BF096291.D
Acq: 29 Jun 2017 14:58

Tgt Ion:252 Resp: 32136
Ion Ratio Lower Upper
252 100
253 19.8 18.4 27.6
125 23.4 13.1 19.7#

