

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062817\
 Data File : BF096256.D
 Acq On : 28 Jun 2017 18:24
 Operator : SJ/MA
 Sample : I3852-09 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 29 01:35:54 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

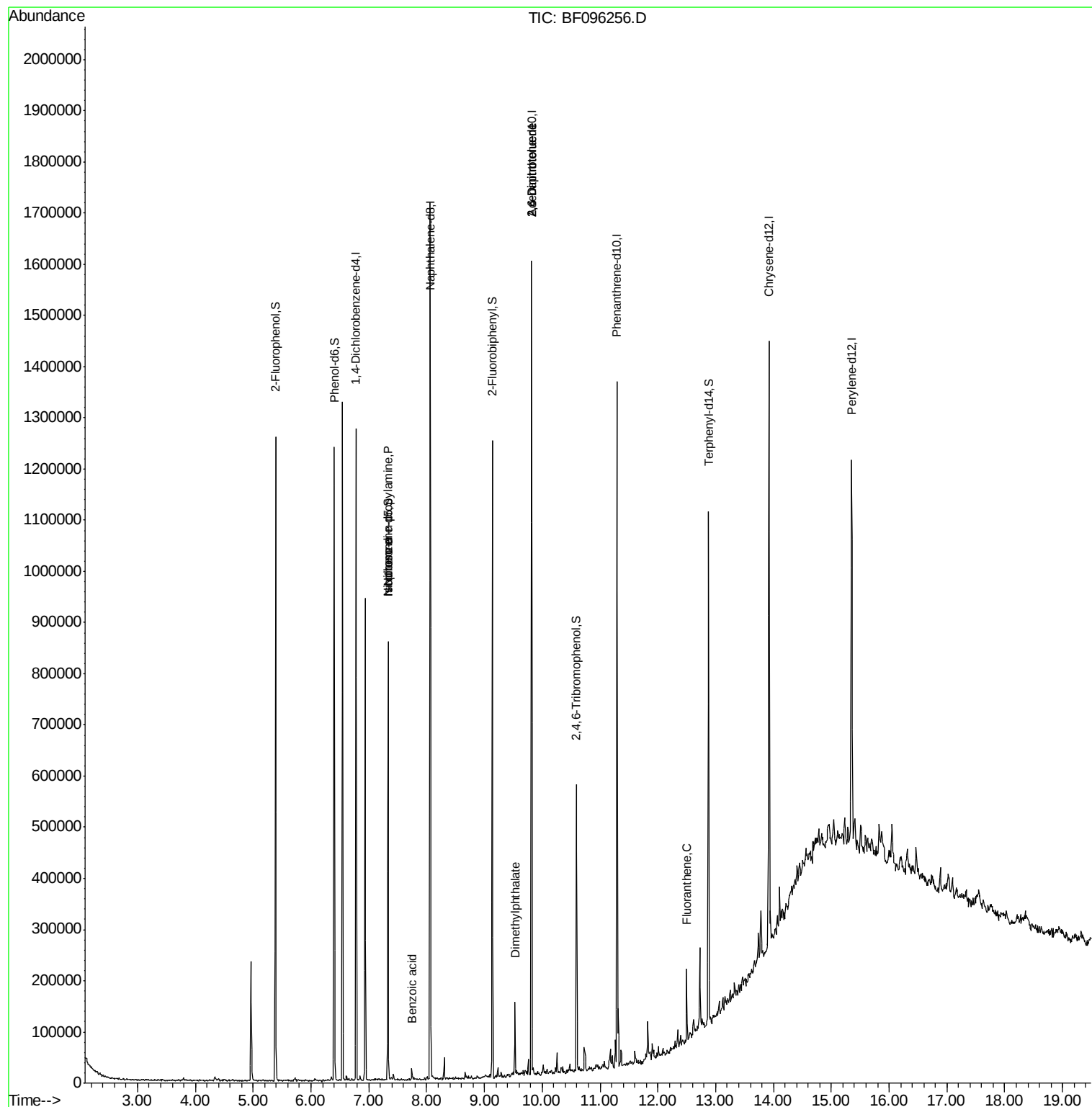
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	159292	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	674298	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	277113	20.00	ng	0.00
63) Phenanthrene-d10	11.29	188	435602	20.00	ng	0.00
75) Chrysene-d12	13.92	240	364591	20.00	ng	0.00
86) Perylene-d12	15.35	264	325720	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	303749	27.47	ng	0.00
7) Phenol-d6	6.40	99	395187	29.52	ng	0.01
23) Nitrobenzene-d5	7.33	82	205880	21.14	ng	-0.02
41) 2,4,6-Tribromophenol	10.60	330	60033	27.53	ng	0.00
44) 2-Fluorobiphenyl	9.14	172	369232	24.40	ng	-0.01
78) Terphenyl-d14	12.87	244	265253	18.15	ng	0.00
Target Compounds						
9) Benzaldehyde	6.40	77	825	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.33	70	26729	3.33 ng	#	88
25) Isophorone	7.33	82	205875	9.31 ng	#	67
32) Benzoic acid	7.75	122	4669	9.33 ng		89
49) Dimethylphthalate	9.53	163	47468	2.39 ng		98
50) 2,6-Dinitrotoluene	9.82	165	36834	8.93 ng	#	34
56) 2,4-Dinitrotoluene	9.82	165	36834	7.08 ng	#	34
57) Fluorene	10.36	166	2923	Below Cal		98
70) Phenanthrene	11.32	178	35017	Below Cal		97
74) Fluoranthene	12.50	202	51008	2.11 ng		93

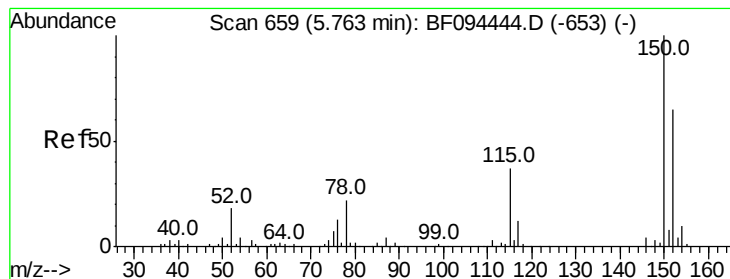
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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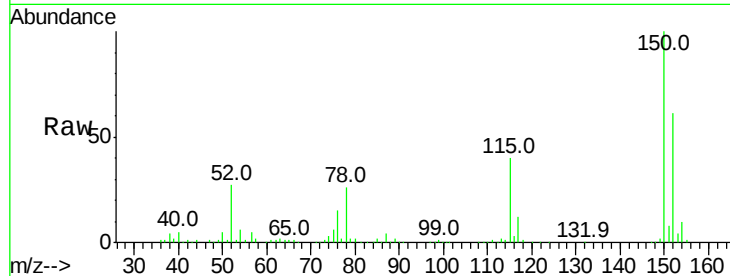


#1

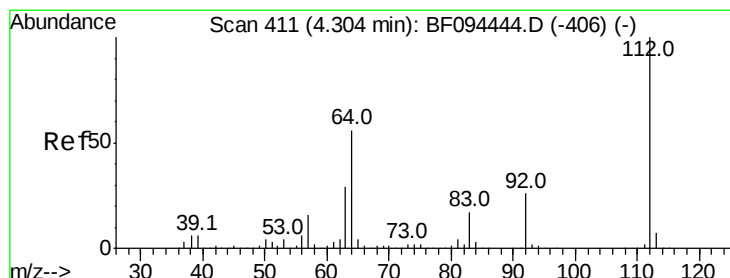
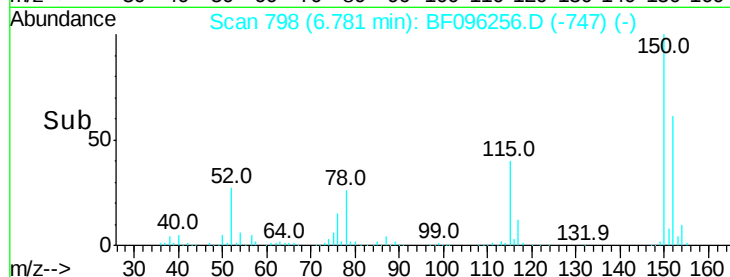
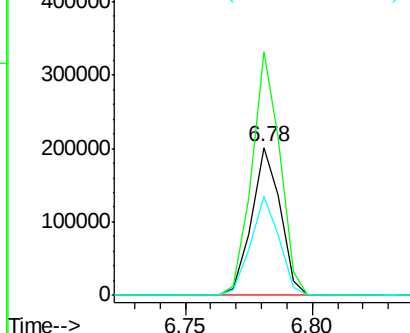
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.78 min Scan# 798
Delta R.T. 0.00 min
Lab File: BF096256.D
Acq: 28 Jun 2017 18:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 159292
Ion Ratio Lower Upper
152 100
150 164.8 126.2 189.2
115 66.6 52.2 78.2



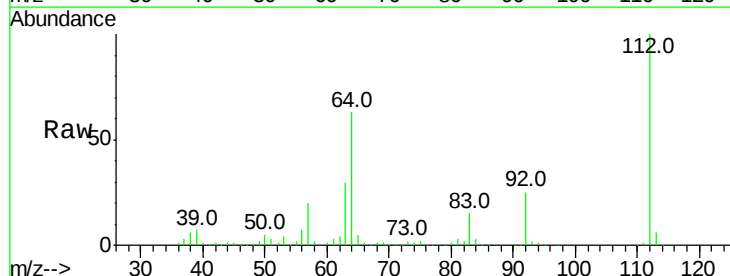
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



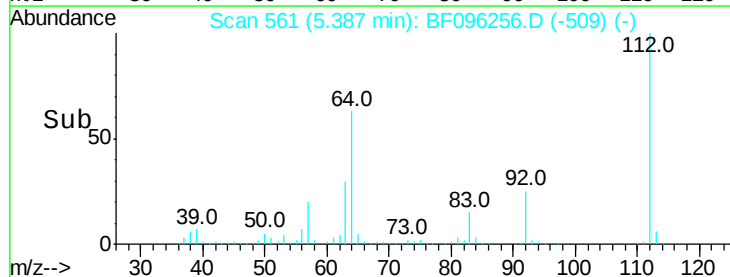
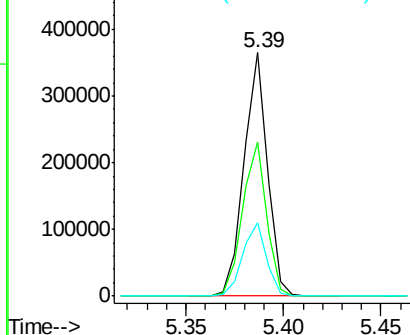
#5

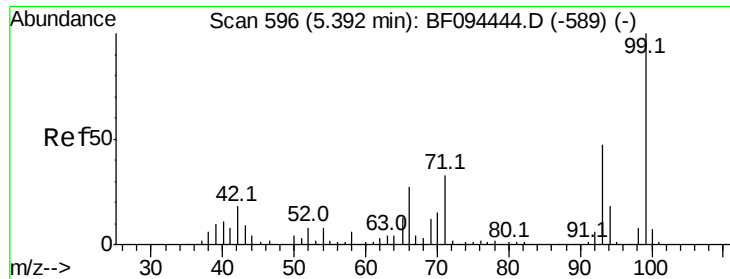
2-Fluorophenol
Concen: 27.47 ng
RT: 5.39 min Scan# 561
Delta R.T. 0.01 min
Lab File: BF096256.D
Acq: 28 Jun 2017 18:24

Tgt Ion:112 Resp: 303749
Ion Ratio Lower Upper
112 100
64 63.4 46.0 69.0
63 30.3 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: 29.52 ng

RT: 6.40 min Scan# 734

Delta R.T. 0.01 min

Lab File: BF096256.D

Acq: 28 Jun 2017 18:24

Instrument :

BNA_F

ClientSampleId :

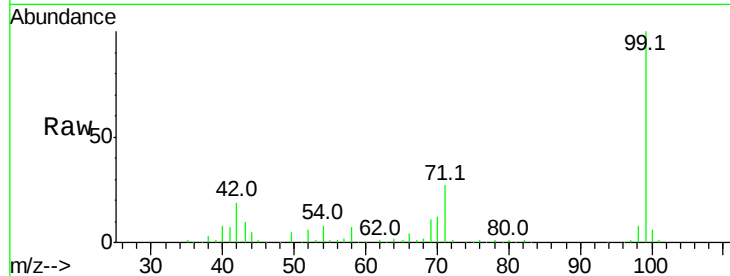
Tot Ion: 99 Resp: 395187

Ion	Ratio	Lower	Upper
99	100		
42	19.2	13.5	20.3
71	26.9	24.5	36.7

99 100

42 19.2 13.5 20.3

71 26.9 24.5 36.7

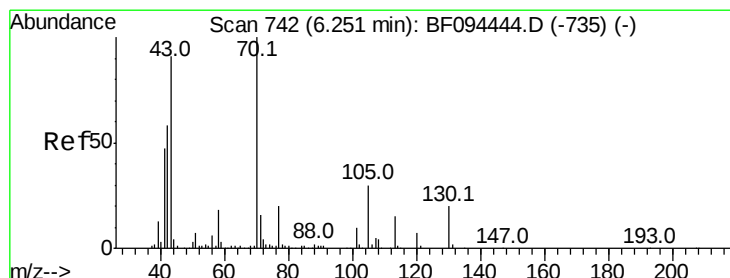
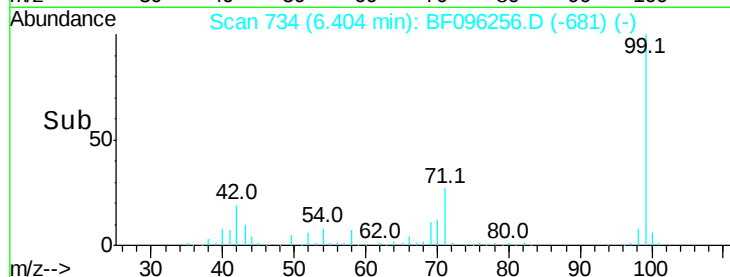
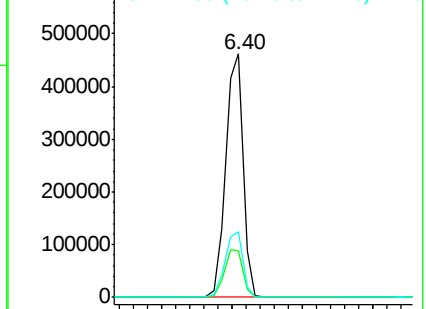


Abundance

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: 3.33 ng

RT: 7.33 min Scan# 892

Delta R.T. 0.15 min

Lab File: BF096256.D

Acq: 28 Jun 2017 18:24

Tgt Ion: 70 Resp: 26729

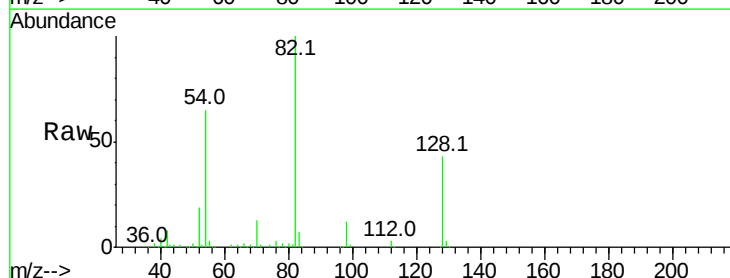
Ion	Ratio	Lower	Upper
70	100		
42	58.0	47.2	70.8
101	0.0	7.2	10.8#
130	2.0	15.9	23.9#

70 100

42 58.0 47.2 70.8

101 0.0 7.2 10.8#

130 2.0 15.9 23.9#



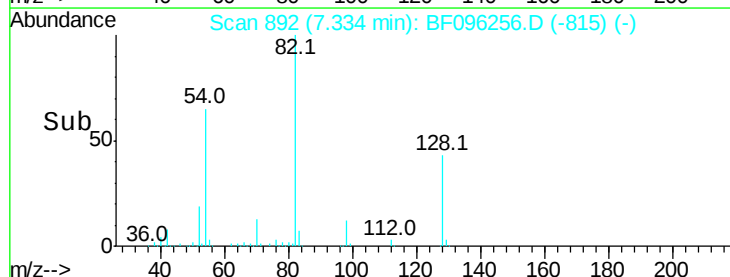
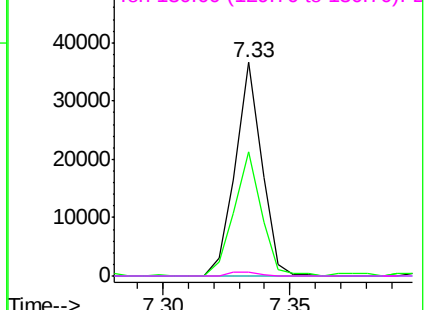
Abundance

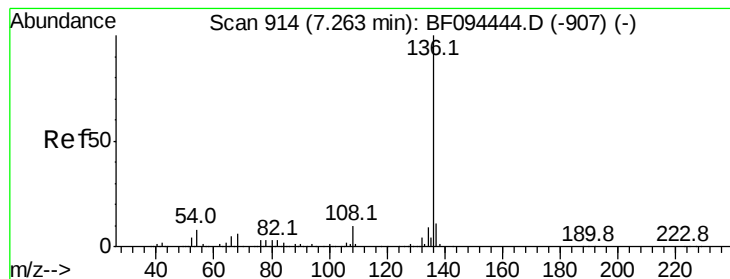
Ion 70.00 (69.70 to 70.70): BF0

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: 20.00 ng

RT: 8.06 min Scan# 1016

Delta R.T. 0.01 min

Lab File: BF096256.D

Acq: 28 Jun 2017 18:24

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 674298

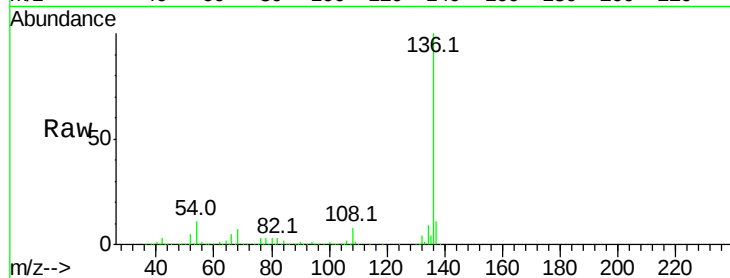
Ion Ratio Lower Upper

136 100

137 11.2 8.5 12.7

54 10.9 4.9 7.3#

68 7.1 4.1 6.1#

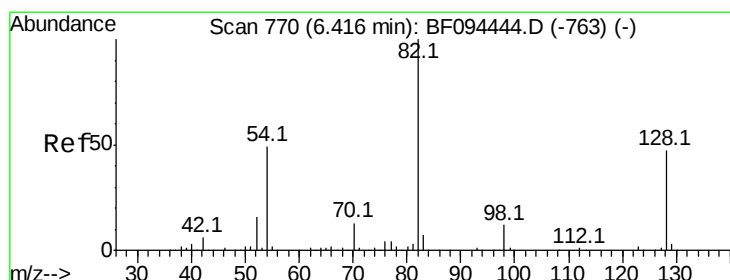
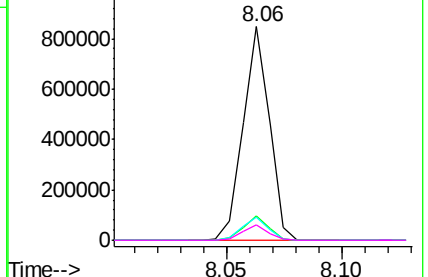
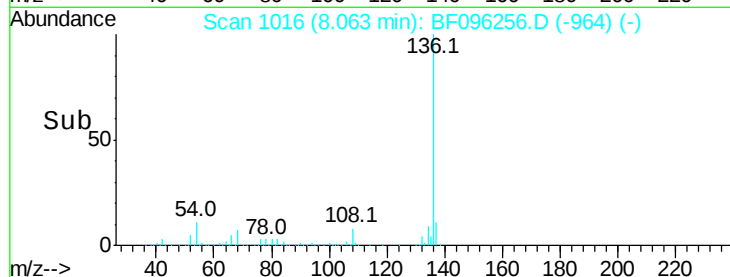


Abundance Ion 136.00 (135.70 to 136.70): E

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



#23

Nitrobenzene-d5

Concen: 21.14 ng

RT: 7.33 min Scan# 892

Delta R.T. -0.02 min

Lab File: BF096256.D

Acq: 28 Jun 2017 18:24

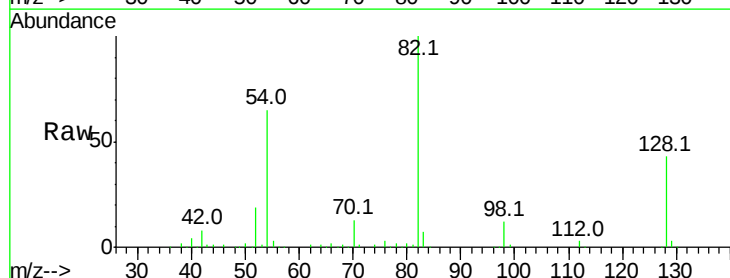
Tgt Ion: 82 Resp: 205880

Ion Ratio Lower Upper

82 100

128 43.2 34.0 51.0

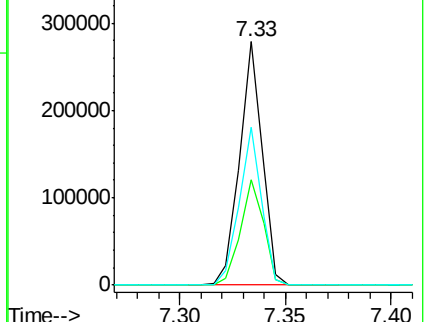
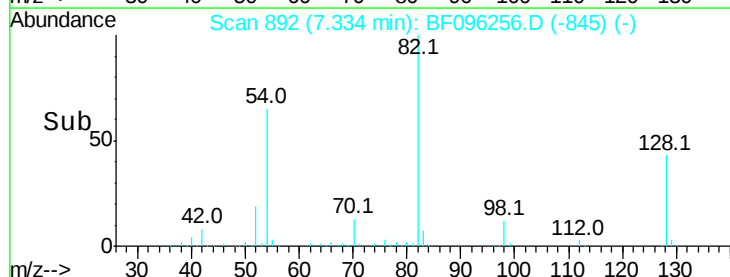
54 65.1 42.2 63.2#

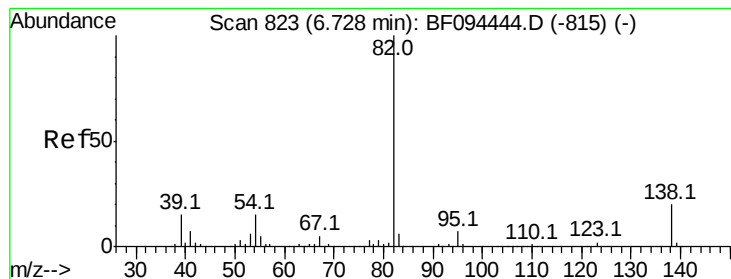


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 9.31 ng

RT: 7.33 min Scan# 892

Delta R.T. -0.26 min

Lab File: BF096256.D

Acq: 28 Jun 2017 18:24

Instrument :

BNA_F

ClientSampleId :

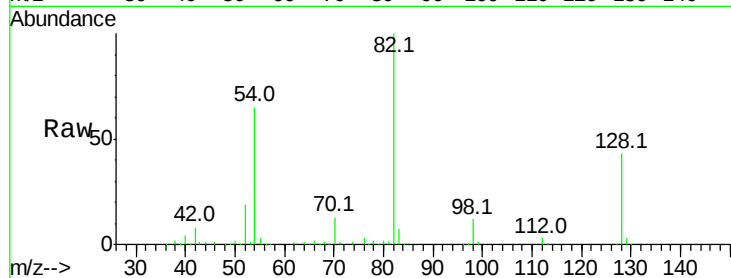
Tot Ion: 82 Resp: 205875

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

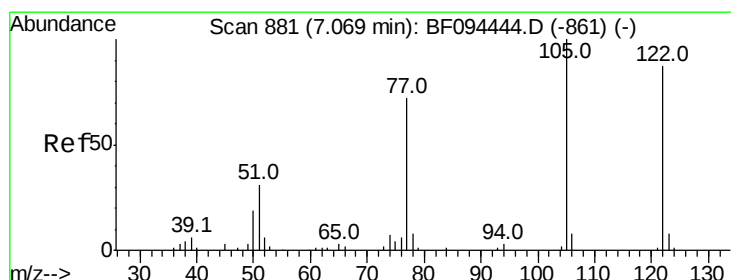
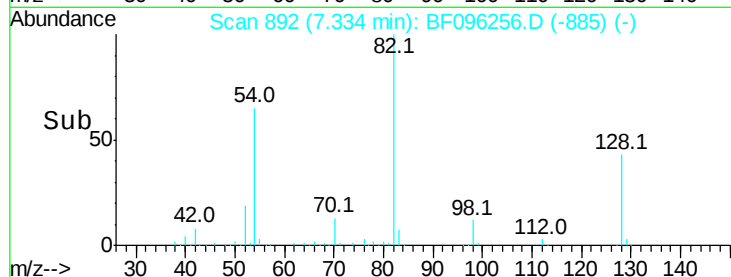
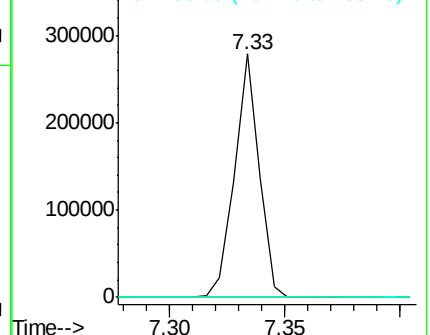
138 0.0 13.1 19.7#



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



#32

Benzoic acid

Concen: 9.33 ng

RT: 7.75 min Scan# 962

Delta R.T. -0.14 min

Lab File: BF096256.D

Acq: 28 Jun 2017 18:24

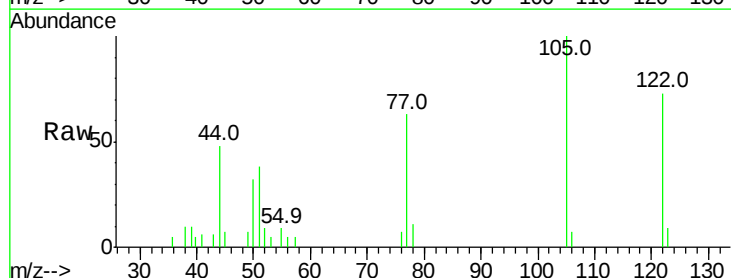
Tgt Ion:122 Resp: 4669

Ion Ratio Lower Upper

122 100

105 137.5 103.3 143.3

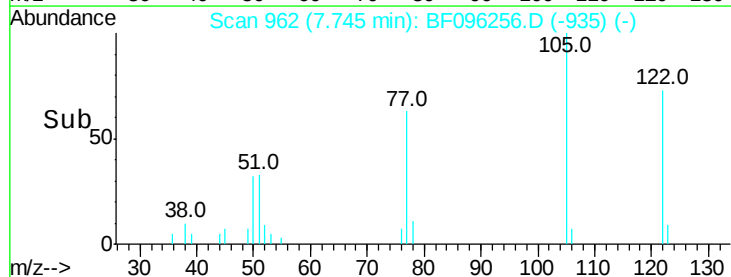
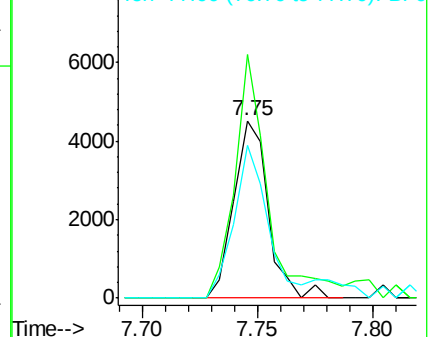
77 86.2 73.7 113.7

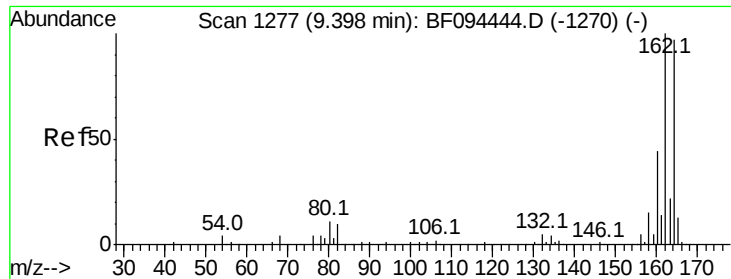


Abundance Ion 122.00 (121.70 to 122.70): E

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: 9.82 min Scan# 1314

Delta R.T. 0.01 min

Lab File: BF096256.D

Acq: 28 Jun 2017 18:24

Instrument :

BNA_F

ClientSampleId :

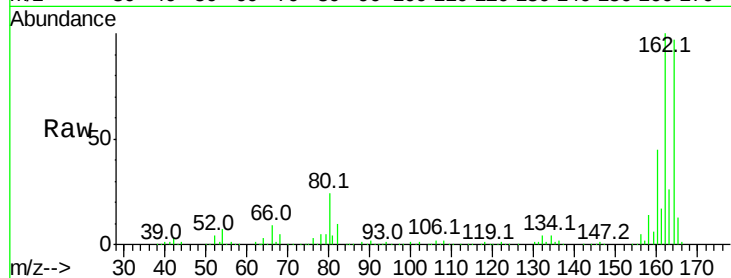
Tot Ion:164 Resp: 277113

Ion Ratio Lower Upper

164 100

162 102.9 82.6 123.8

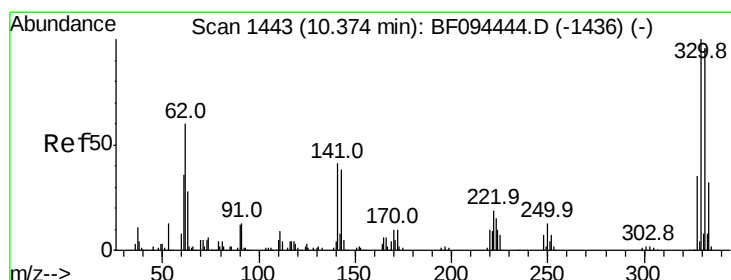
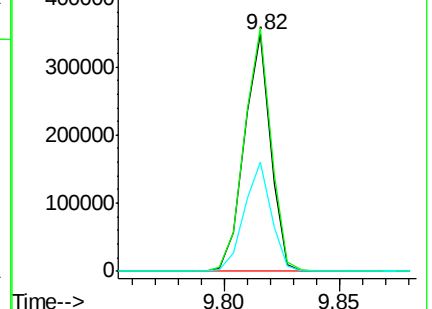
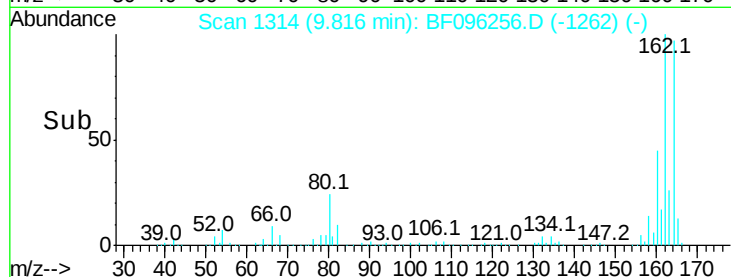
160 46.3 36.2 54.2



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: 27.53 ng

RT: 10.60 min Scan# 1447

Delta R.T. 0.01 min

Lab File: BF096256.D

Acq: 28 Jun 2017 18:24

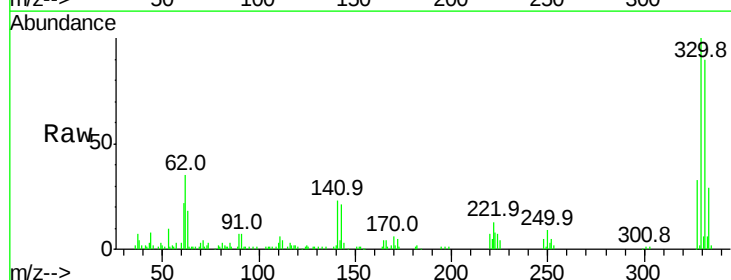
Tgt Ion:330 Resp: 60033

Ion Ratio Lower Upper

330 100

332 93.5 76.6 115.0

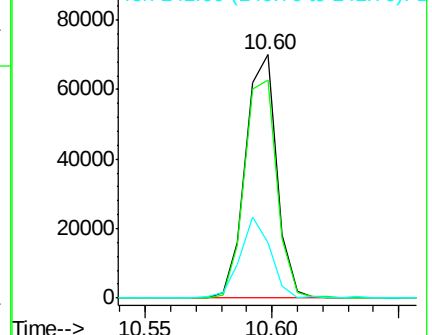
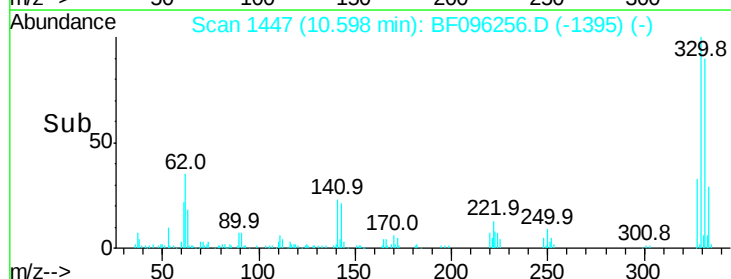
141 32.4 31.4 47.2

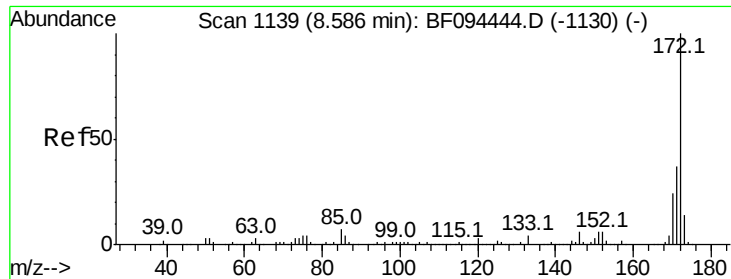


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

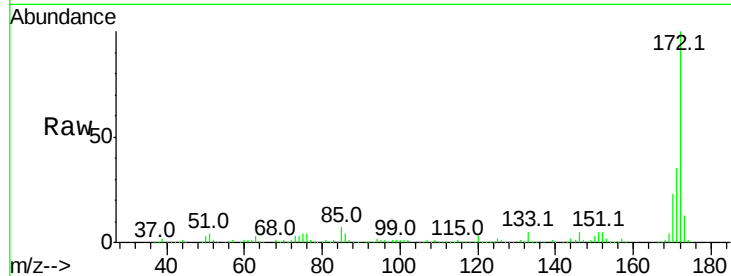




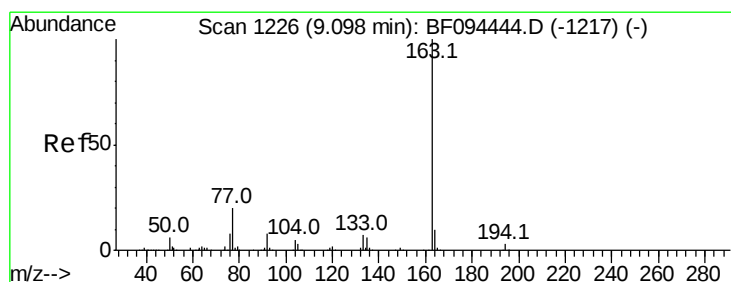
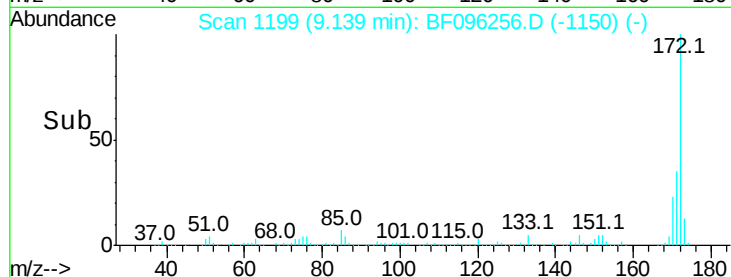
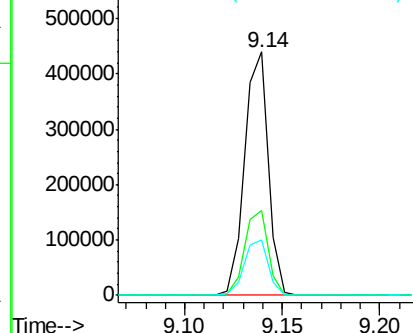
#44
2-Fluorobiphenyl
Concen: 24.40 ng
RT: 9.14 min Scan# 1199
Delta R.T. -0.01 min
Lab File: BF096256.D
Acq: 28 Jun 2017 18:24

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.8	29.6	44.4
170	23.0	19.8	29.8

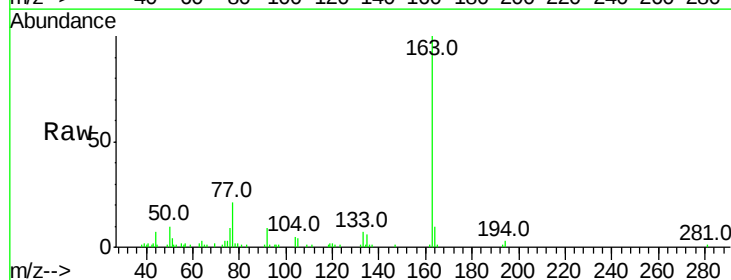


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

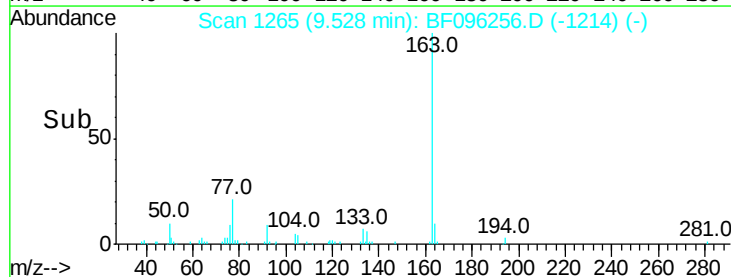
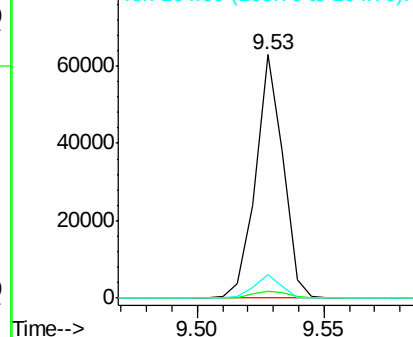


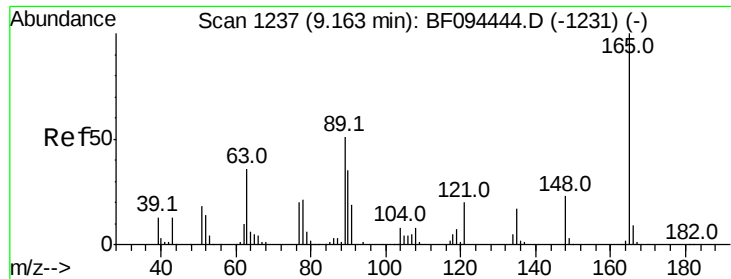
#49
Dimethylphthalate
Concen: 2.39 ng
RT: 9.53 min Scan# 1265
Delta R.T. -0.00 min
Lab File: BF096256.D
Acq: 28 Jun 2017 18:24

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.1	2.6	4.0
164	9.5	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

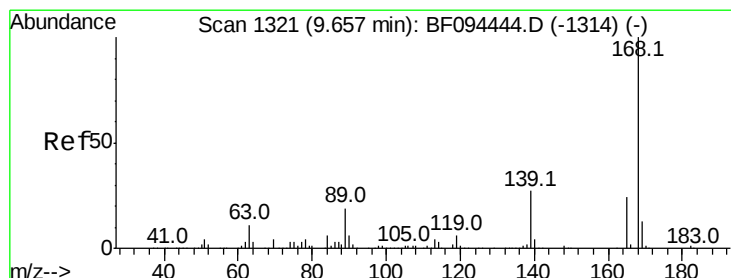
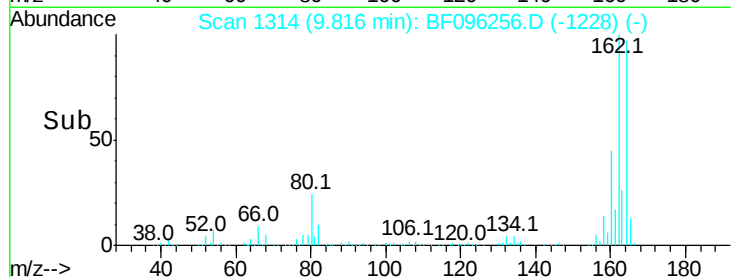
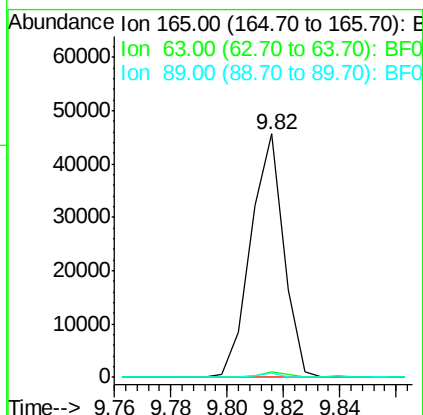
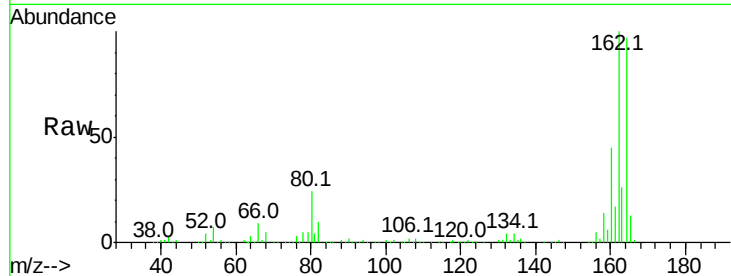




#50
 2,6-Dinitrotoluene
 Concen: 8.93 ng
 RT: 9.82 min Scan# 1314
 Delta R.T. 0.21 min
 Lab File: BF096256.D
 Acq: 28 Jun 2017 18:24

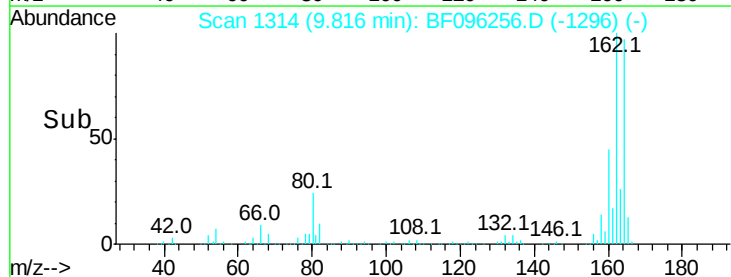
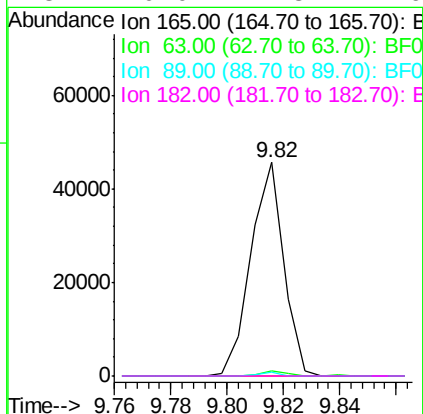
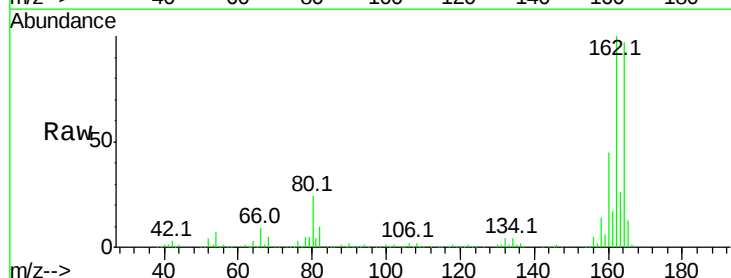
Instrument :
 BNA_F
 ClientSampleId :

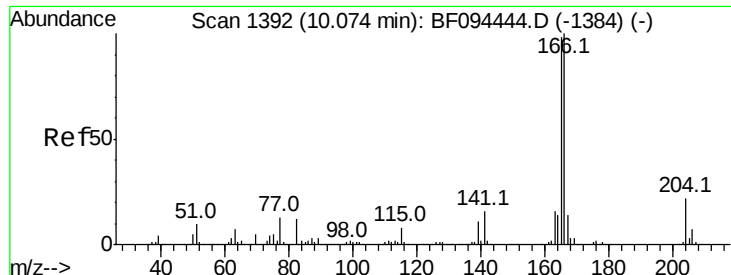
Tot Ion	Ratio	Lower	Upper
165	100		
63	2.3	34.3	51.5#
89	1.6	37.1	55.7#



#56
 2,4-Dinitrotoluene
 Concen: 7.08 ng
 RT: 9.82 min Scan# 1314
 Delta R.T. -0.19 min
 Lab File: BF096256.D
 Acq: 28 Jun 2017 18:24

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.3	25.4	38.0#
89	1.6	46.4	69.6#
182	0.0	1.8	2.6#

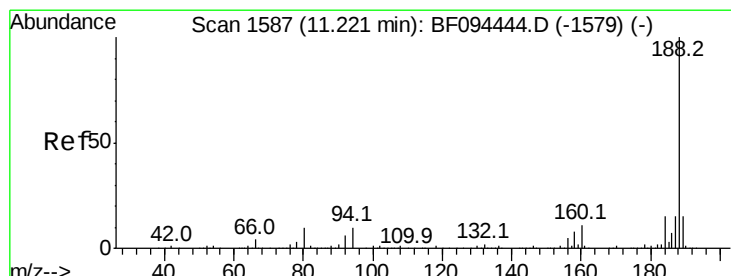
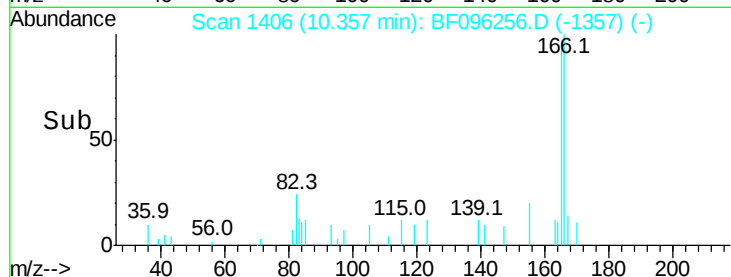
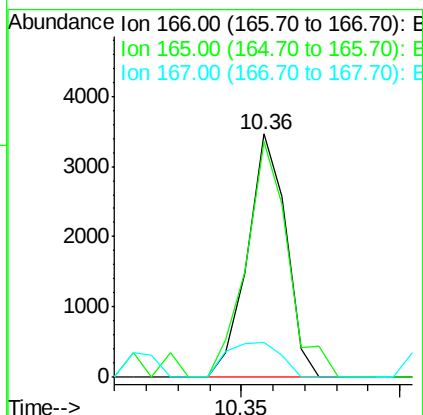
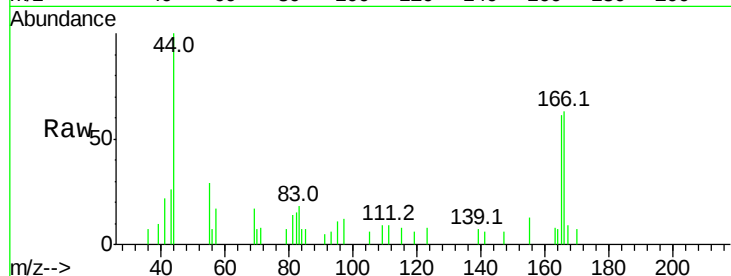




#57
 Fluorene
 Concen: Below Cal
 RT: 10.36 min Scan# 1406
 Delta R.T. -0.01 min
 Lab File: BF096256.D
 Acq: 28 Jun 2017 18:24

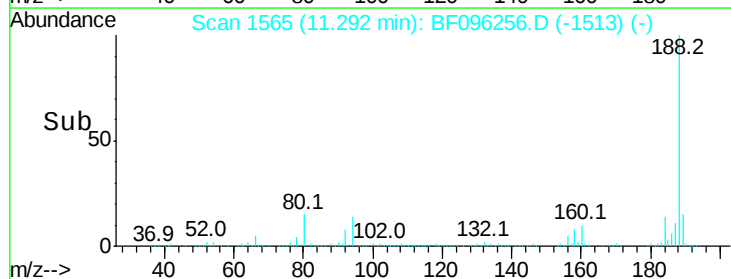
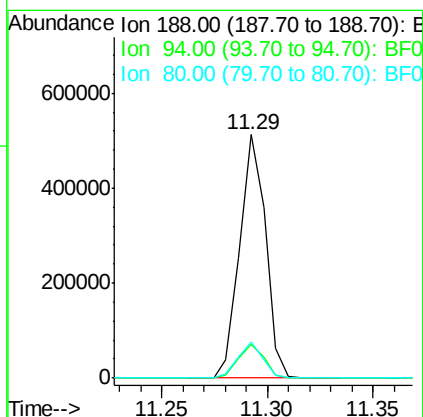
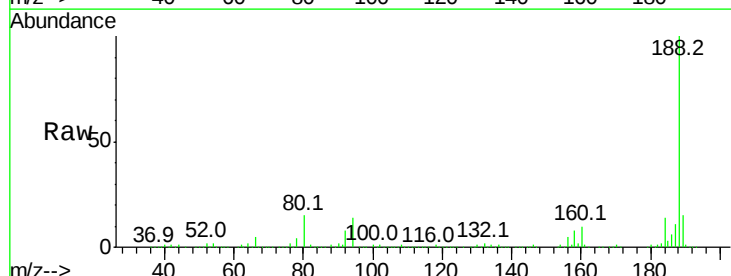
Instrument :
 BNA_F
 ClientSampleId :

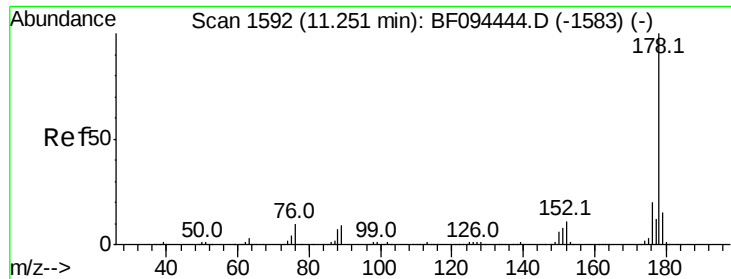
Tot Ion:166 Resp: 2923
 Ion Ratio Lower Upper
 166 100
 165 97.1 78.8 118.2
 167 14.5 10.6 16.0



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.29 min Scan# 1565
 Delta R.T. 0.01 min
 Lab File: BF096256.D
 Acq: 28 Jun 2017 18:24

Tgt Ion:188 Resp: 435602
 Ion Ratio Lower Upper
 188 100
 94 13.9 9.4 14.2
 80 14.9 10.2 15.2

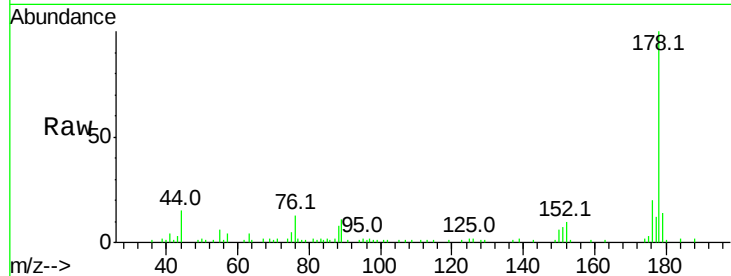




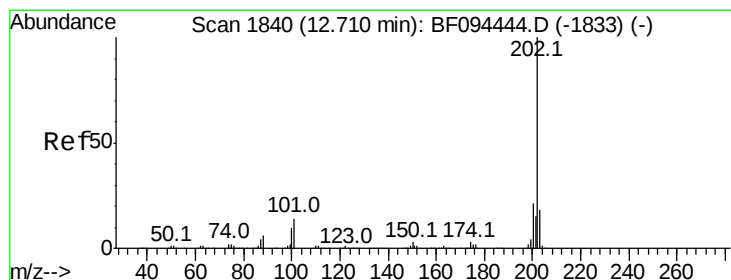
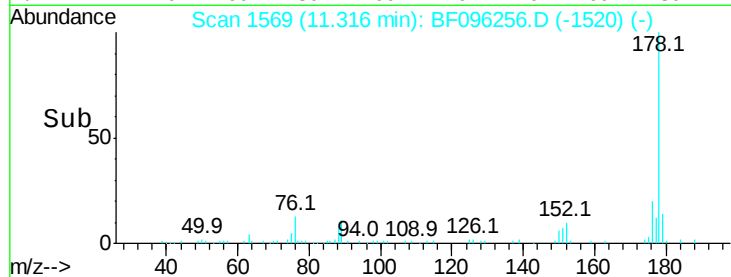
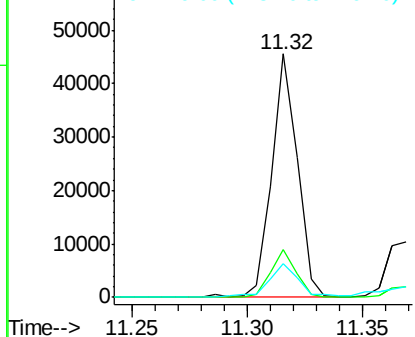
#70
Phenanthrene
Concen: Below Cal
RT: 11.32 min Scan# 1569
Delta R.T. -0.01 min
Lab File: BF096256.D
Acq: 28 Jun 2017 18:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 35017
Ion Ratio Lower Upper
178 100
176 19.6 16.2 24.4
179 14.0 12.6 19.0

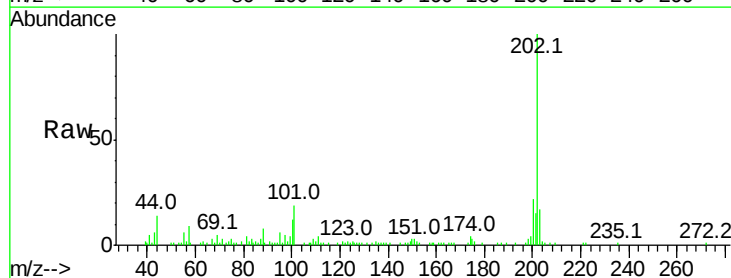


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

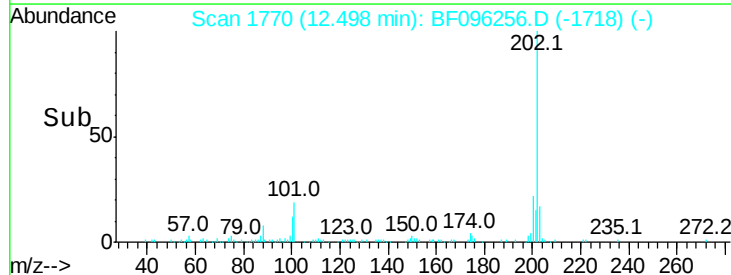
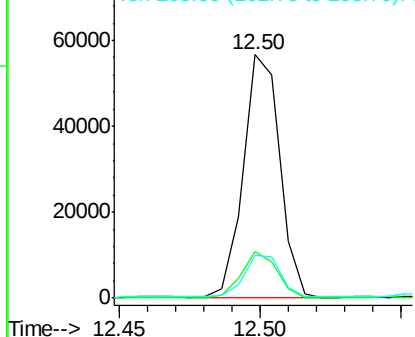


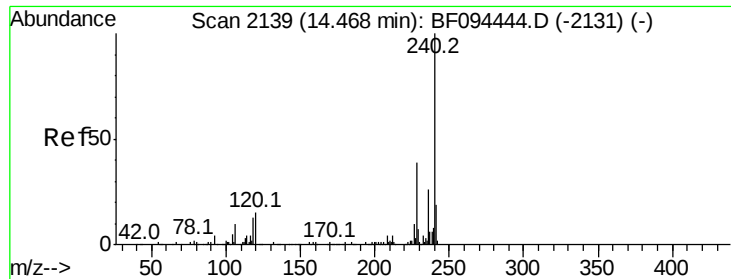
#74
Fluoranthene
Concen: 2.11 ng
RT: 12.50 min Scan# 1770
Delta R.T. 0.01 min
Lab File: BF096256.D
Acq: 28 Jun 2017 18:24

Tgt Ion:202 Resp: 51008
Ion Ratio Lower Upper
202 100
101 19.2 0.0 33.2
203 17.5 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.92 min Scan# 2012

Delta R.T. 0.01 min

Lab File: BF096256.D

Acq: 28 Jun 2017 18:24

Instrument :

BNA_F

ClientSampleId :

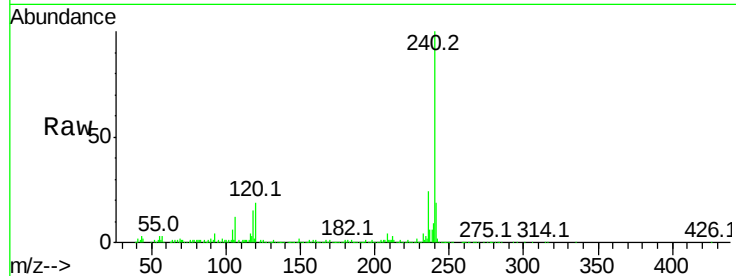
Tot Ion:240 Resp: 364591

Ion Ratio Lower Upper

240 100

120 18.5 5.8 8.8#

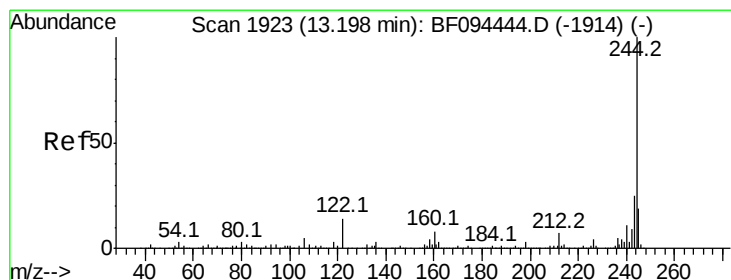
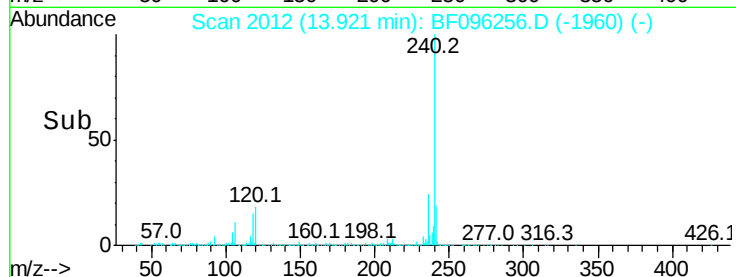
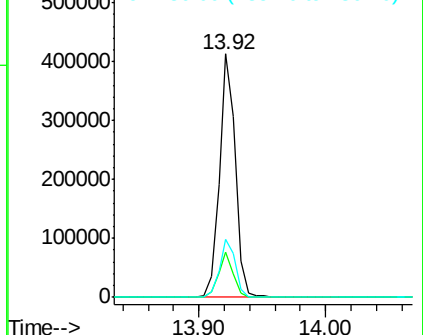
236 24.0 20.5 30.7



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: 18.15 ng

RT: 12.87 min Scan# 1834

Delta R.T. 0.01 min

Lab File: BF096256.D

Acq: 28 Jun 2017 18:24

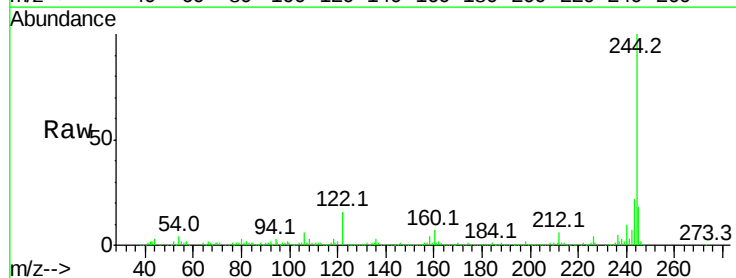
Tgt Ion:244 Resp: 265253

Ion Ratio Lower Upper

244 100

212 5.8 6.0 9.0#

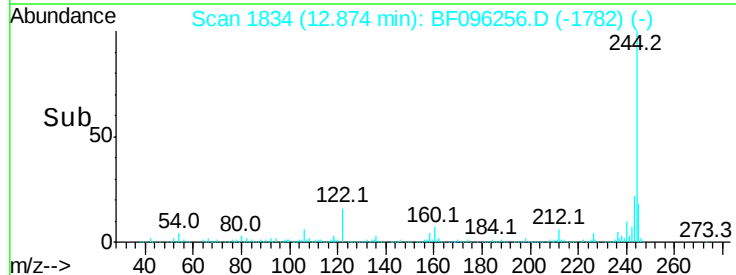
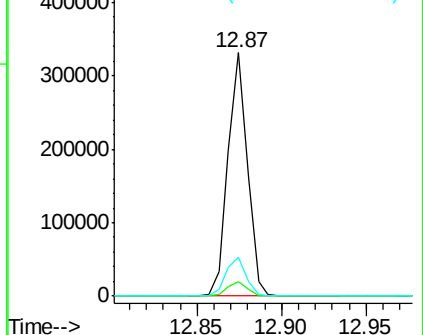
122 15.9 10.3 15.5#

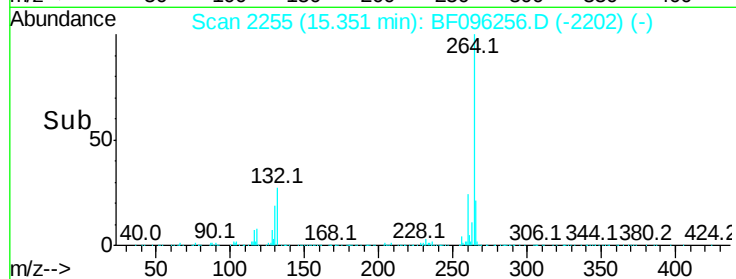
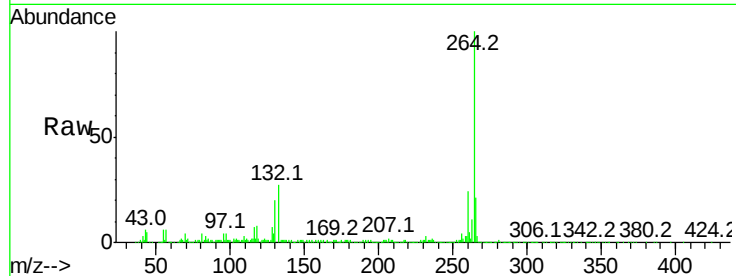
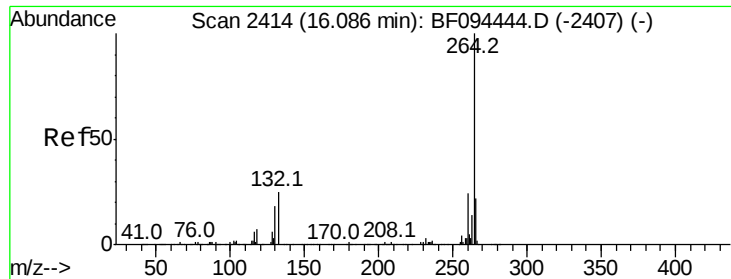


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.35 min Scan# 2255
 Delta R.T. 0.01 min
 Lab File: BF096256.D
 Acq: 28 Jun 2017 18:24

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.5	29.3
265	21.4	17.2	25.8

