

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062917\
 Data File : BF096290.D
 Acq On : 29 Jun 2017 14:30
 Operator : SJ/MA
 Sample : I3949-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 29 17:33:48 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

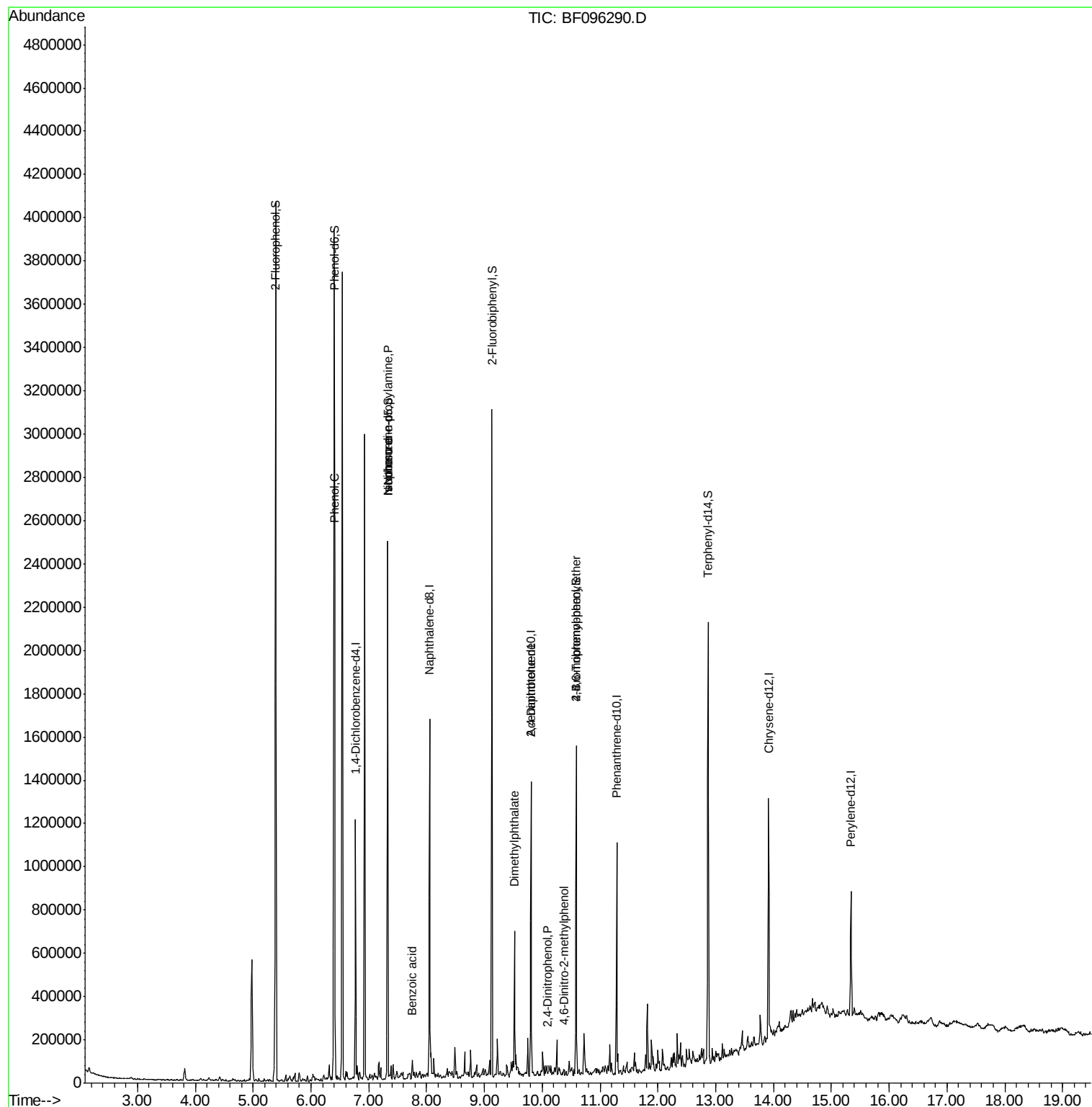
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	175278	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	683805	20.00	ng	0.00
38) Acenaphthene-d10	9.80	164	248842	20.00	ng	0.00
63) Phenanthrene-d10	11.29	188	360917	20.00	ng	0.00
75) Chrysene-d12	13.92	240	345914	20.00	ng	0.00
86) Perylene-d12	15.34	264	259100	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	1152416	94.72	ng	0.01
7) Phenol-d6	6.40	99	1421716	96.51	ng	0.01
23) Nitrobenzene-d5	7.33	82	802902	81.28	ng	-0.03
41) 2,4,6-Tribromophenol	10.59	330	169422	86.51	ng	0.00
44) 2-Fluorobiphenyl	9.13	172	951779	70.05	ng	-0.02
78) Terphenyl-d14	12.87	244	594182	42.86	ng	0.00
Target Compounds						
9) Benzaldehyde	6.31	77	6462	Below Cal	#	72
10) Phenol	6.42	94	36564	2.26	ng	87
19) n-Nitroso-di-n-propylamine	7.33	70	108074	12.25	ng	# 88
25) Isophorone	7.33	82	802755	35.78	ng	# 67
32) Benzoic acid	7.76	122	16297	10.64	ng	88
49) Dimethylphthalate	9.52	163	238858	13.41	ng	99
53) 2,4-Dinitrophenol	10.09	184	587	8.03	ng	# 4
56) 2,4-Dinitrotoluene	9.80	165	33733	7.23	ng	# 33
57) Fluorene	10.35	166	1889	Below Cal	#	78
60) 4-Chlorophenyl-phenylether	10.18	204	114	Below Cal	#	1
64) 4,6-Dinitro-2-methylphenol	10.37	198	115	8.80	ng	# 1
66) 4-Bromophenyl-phenylether	10.59	248	9333	2.51	ng	# 1
70) Phenanthrene	11.31	178	35393	Below Cal		98

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

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062917\
Data File : BF096290.D
Acq On : 29 Jun 2017 14:30
Operator : SJ/MA
Sample : I3949-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Jun 29 17:33:48 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



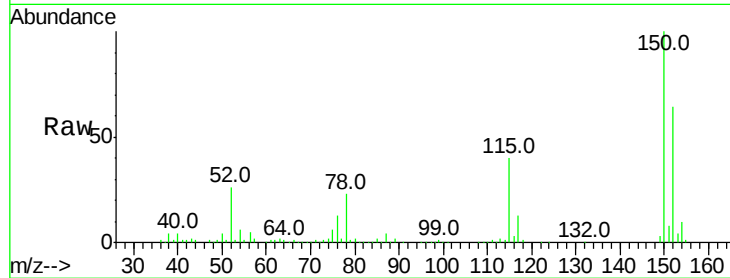


#1

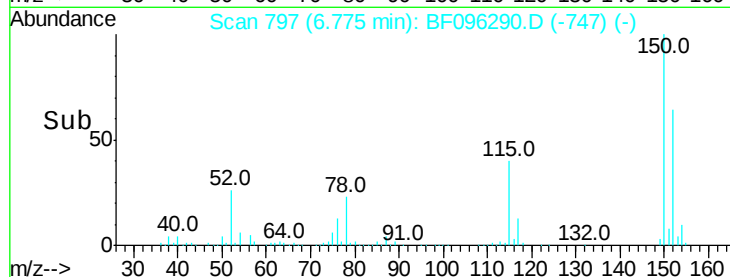
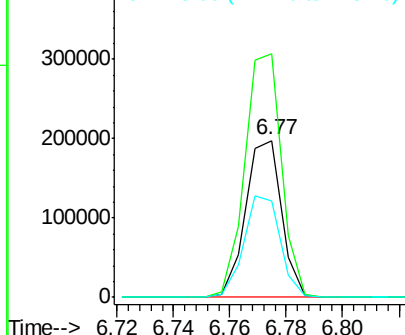
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.77 min Scan# 797
Delta R.T. -0.01 min
Lab File: BF096290.D
Acq: 29 Jun 2017 14:30

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 175278
Ion Ratio Lower Upper
152 100
150 155.1 126.2 189.2
115 61.4 52.2 78.2



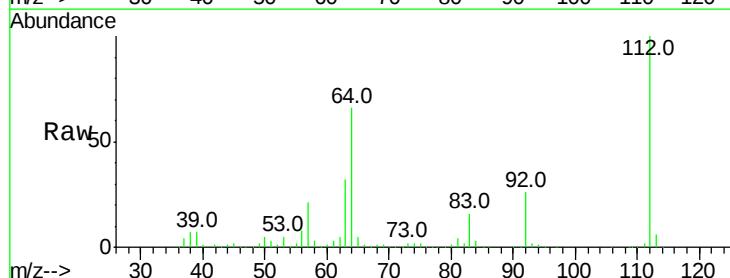
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



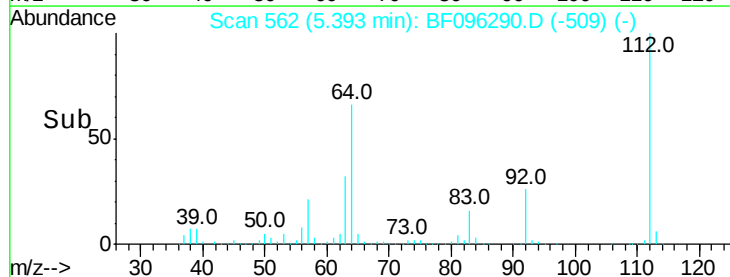
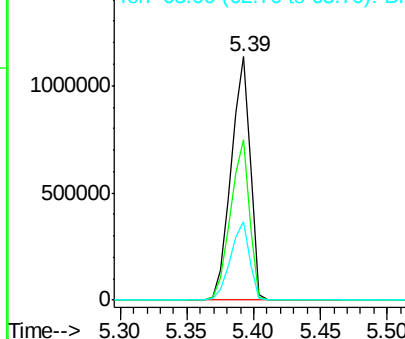
#5

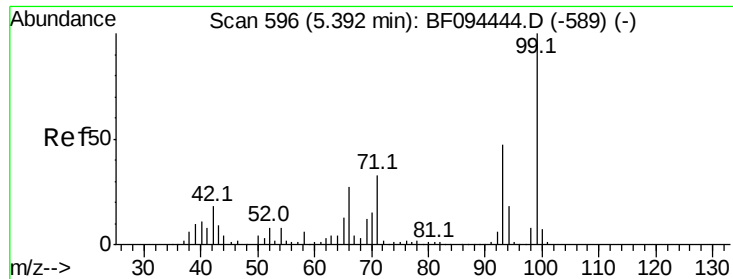
2-Fluorophenol
Concen: 94.72 ng
RT: 5.39 min Scan# 562
Delta R.T. 0.01 min
Lab File: BF096290.D
Acq: 29 Jun 2017 14:30

Tgt Ion:112 Resp: 1152416
Ion Ratio Lower Upper
112 100
64 65.9 46.0 69.0
63 32.5 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: 96.51 ng

RT: 6.40 min Scan# 734

Delta R.T. 0.01 min

Lab File: BF096290.D

Acq: 29 Jun 2017 14:30

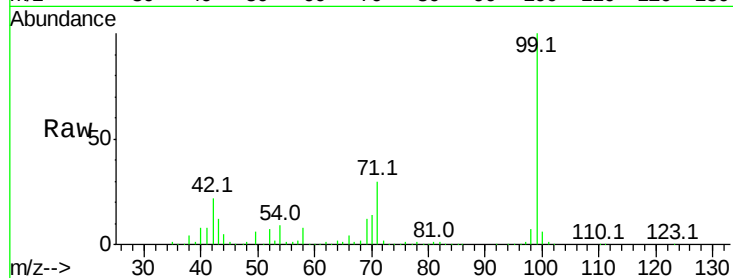
Instrument :

BNA_F

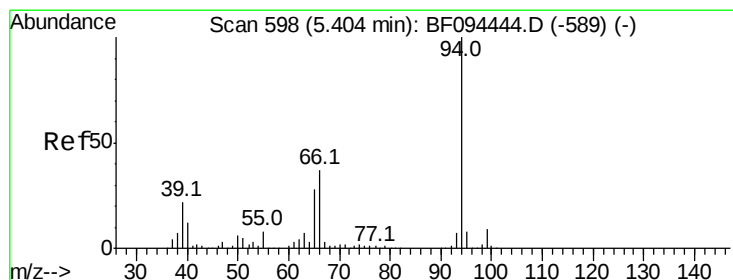
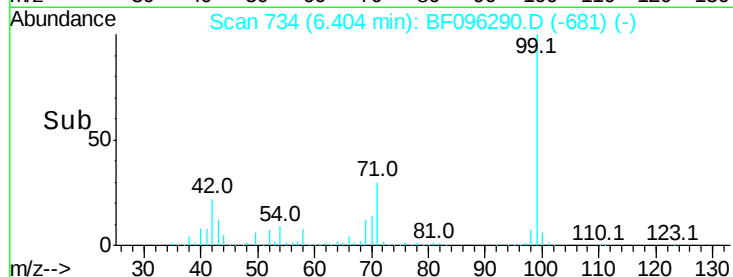
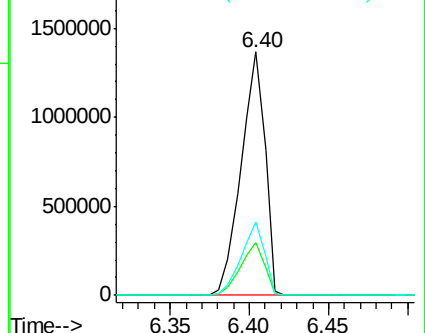
ClientSampleId :

Tot Ion: 99 Resp: 1421716

Ion	Ratio	Lower	Upper
99	100		
42	21.6	13.5	20.3#
71	30.1	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



#10

Phenol

Concen: 2.26 ng

RT: 6.42 min Scan# 736

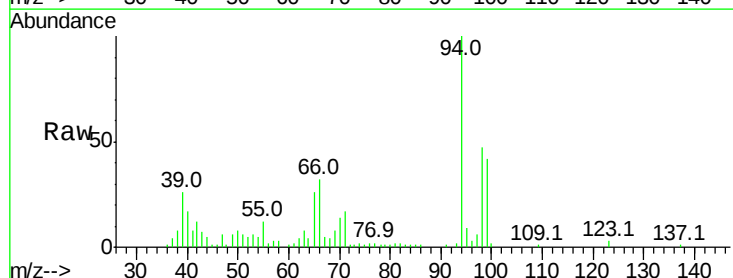
Delta R.T. 0.01 min

Lab File: BF096290.D

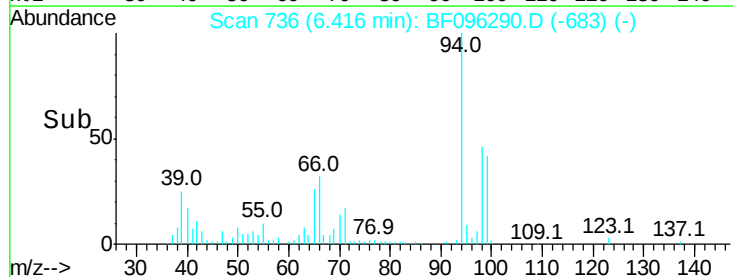
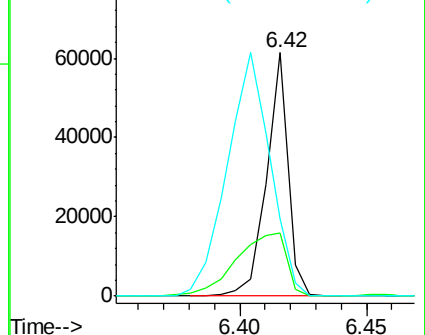
Acq: 29 Jun 2017 14:30

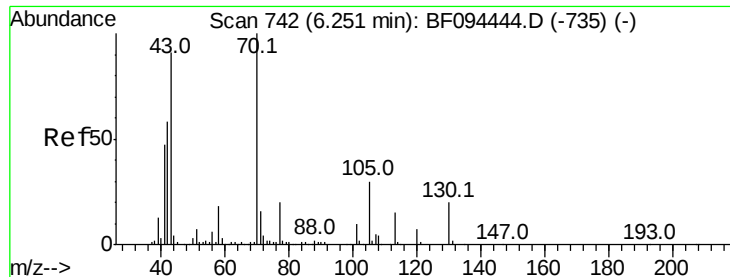
Tgt Ion: 94 Resp: 36564

Ion	Ratio	Lower	Upper
94	100		
65	26.1	9.9	49.9
66	31.6	23.1	63.1



Abundance Ion 94.00 (93.70 to 94.70): BF0
Ion 65.00 (64.70 to 65.70): BF0
Ion 66.00 (65.70 to 66.70): BF0

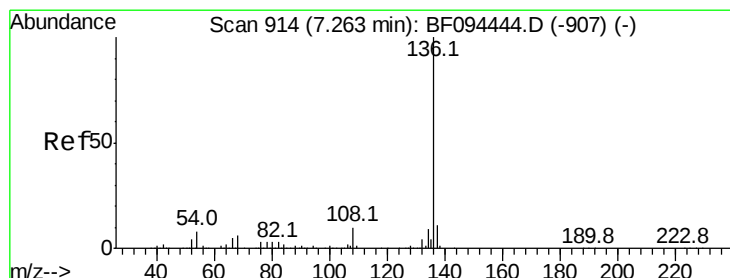
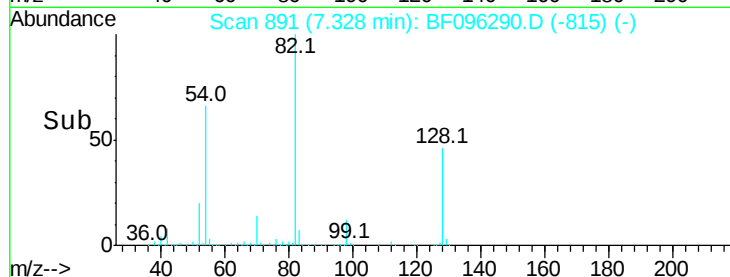
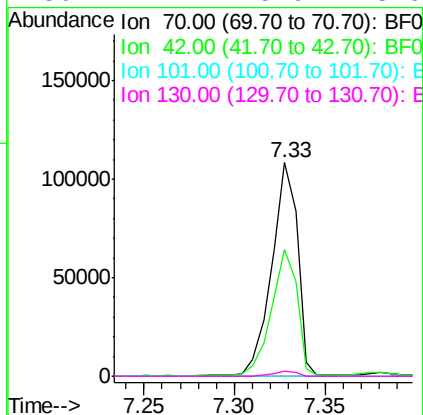
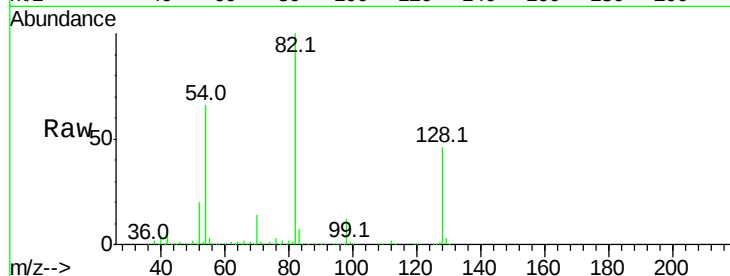




#19
n-Nitroso-di-n-propylamine
Concen: 12.25 ng
RT: 7.33 min Scan# 891
Delta R.T. 0.15 min
Lab File: BF096290.D
Acq: 29 Jun 2017 14:30

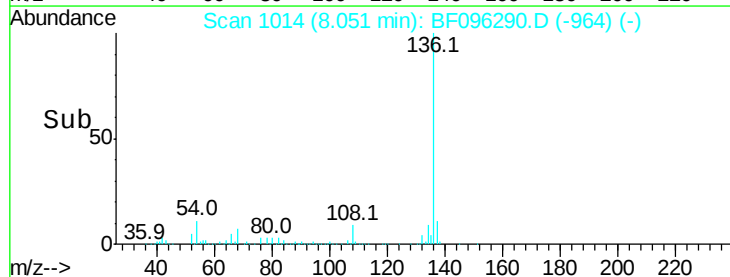
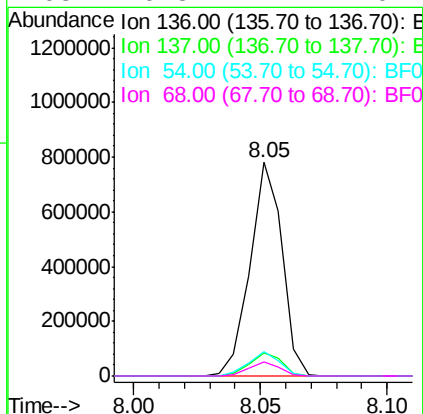
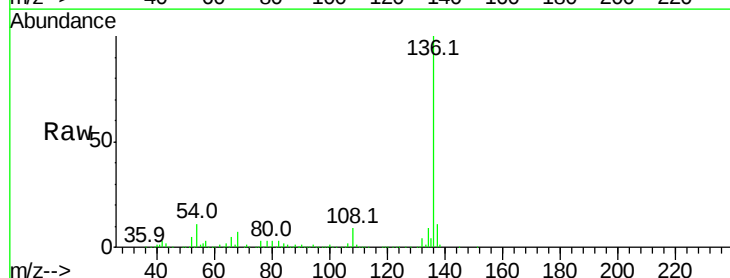
Instrument :
BNA_F
ClientSampleId :

Tot Ion: 70 Resp: 108074
Ion Ratio Lower Upper
70 100
42 59.4 47.2 70.8
101 0.0 7.2 10.8#
130 2.4 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: BF096290.D
Acq: 29 Jun 2017 14:30

Tgt Ion:136 Resp: 683805
Ion Ratio Lower Upper
136 100
137 10.9 8.5 12.7
54 11.5 4.9 7.3#
68 6.8 4.1 6.1#

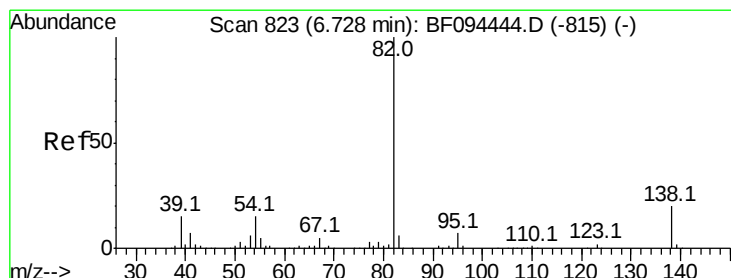
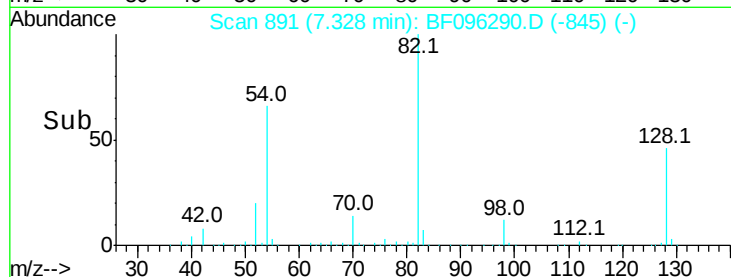
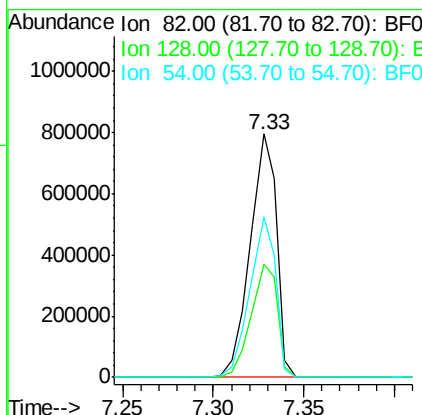
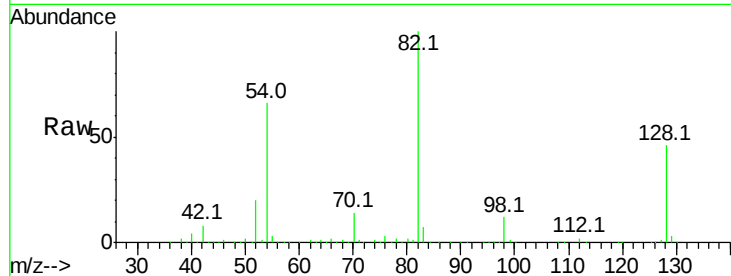




#23
 Nitrobenzene-d5
 Concen: 81.28 ng
 RT: 7.33 min Scan# 891
 Delta R.T. -0.03 min
 Lab File: BF096290.D
 Acq: 29 Jun 2017 14:30

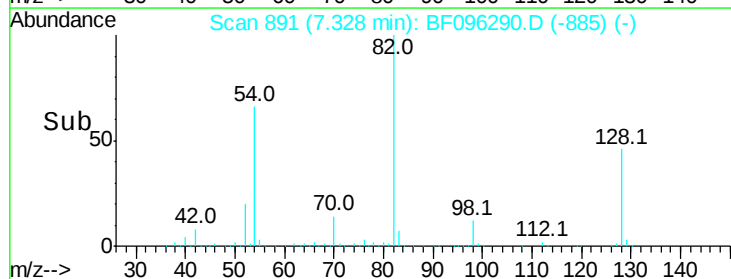
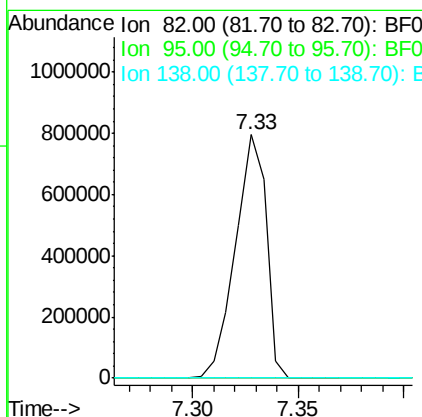
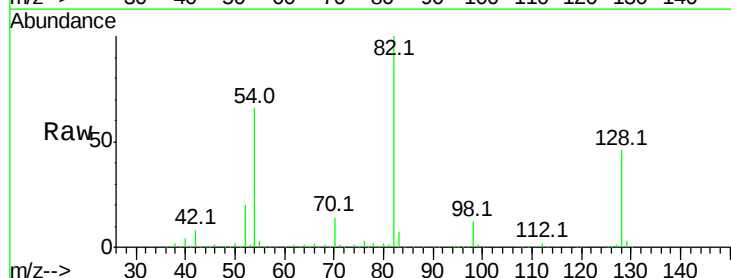
Instrument :
 BNA_F
 ClientSampled :

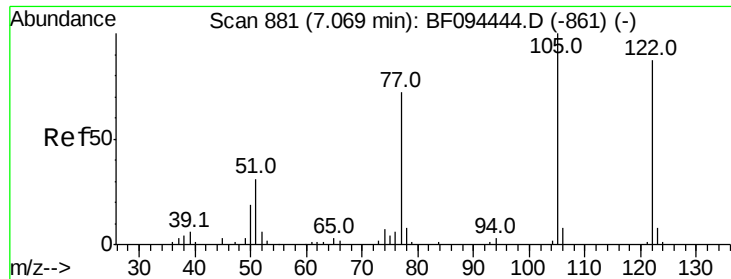
Tot Ion: 82 Resp: 802902
 Ion Ratio Lower Upper
 82 100
 128 46.4 34.0 51.0
 54 65.9 42.2 63.2#



#25
 Isophorone
 Concen: 35.78 ng
 RT: 7.33 min Scan# 891
 Delta R.T. -0.26 min
 Lab File: BF096290.D
 Acq: 29 Jun 2017 14:30

Tgt Ion: 82 Resp: 802755
 Ion Ratio Lower Upper
 82 100
 95 0.1 5.3 7.9#
 138 0.0 13.1 19.7#





#32

Benzoic acid

Concen: 10.64 ng

RT: 7.76 min Scan# 964

Delta R.T. -0.13 min

Lab File: BF096290.D

Acq: 29 Jun 2017 14:30

Instrument :

BNA_F

ClientSampleId :

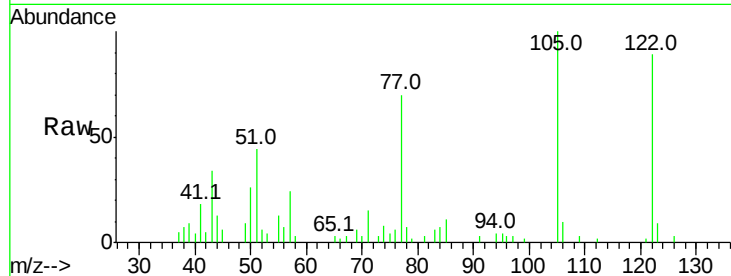
Tot Ion:122 Resp: 16297

Ion Ratio Lower Upper

122 100

105 113.0 103.3 143.3

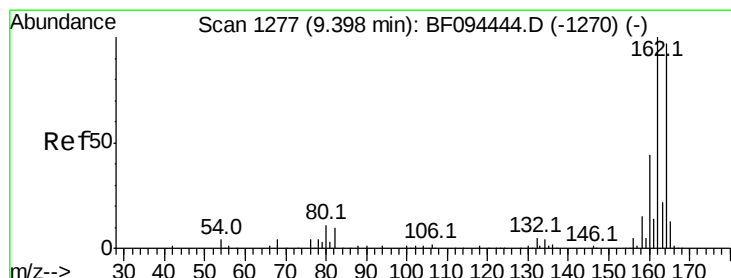
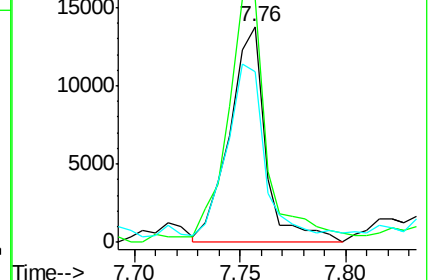
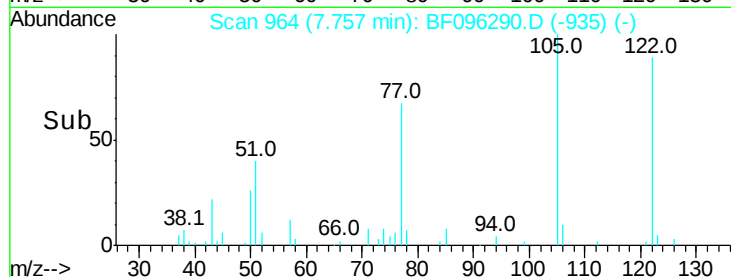
77 79.0 73.7 113.7



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: BF096290.D

Acq: 29 Jun 2017 14:30

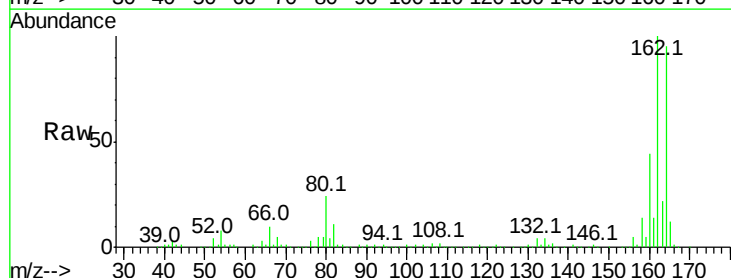
Tgt Ion:164 Resp: 248842

Ion Ratio Lower Upper

164 100

162 105.0 82.6 123.8

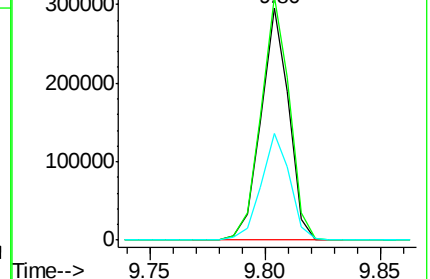
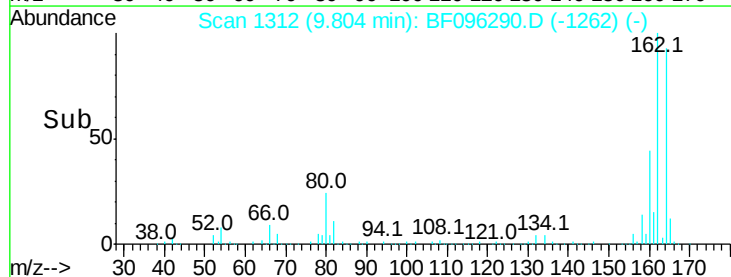
160 45.7 36.2 54.2

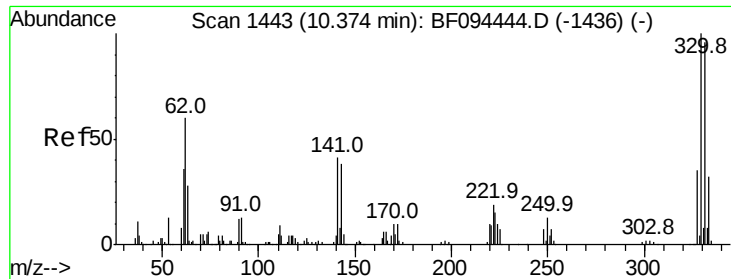


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

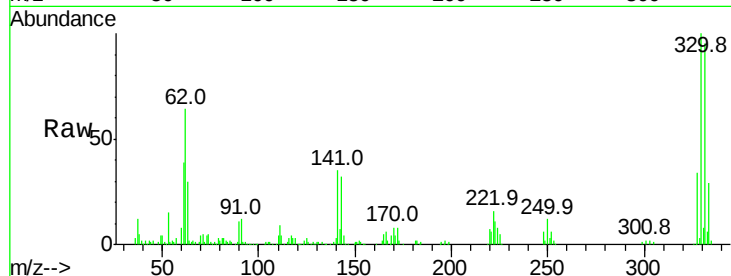




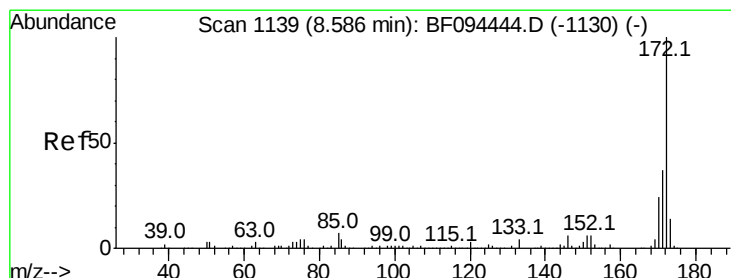
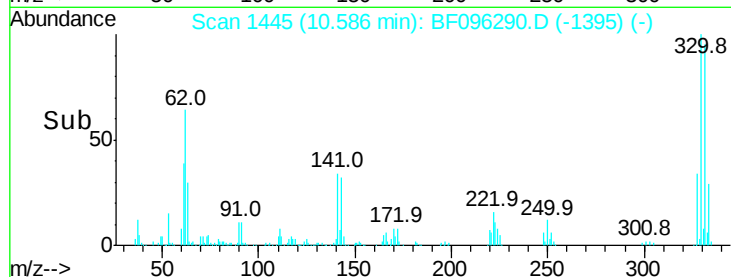
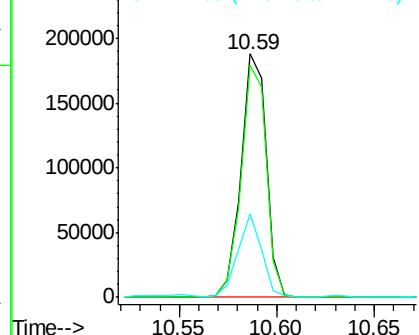
#41
 2,4,6-Tribromophenol
 Concen: 86.51 ng
 RT: 10.59 min Scan# 1445
 Delta R.T. -0.01 min
 Lab File: BF096290.D
 Acq: 29 Jun 2017 14:30

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 169422
 Ion Ratio Lower Upper
 330 100
 332 95.0 76.6 115.0
 141 31.7 31.4 47.2

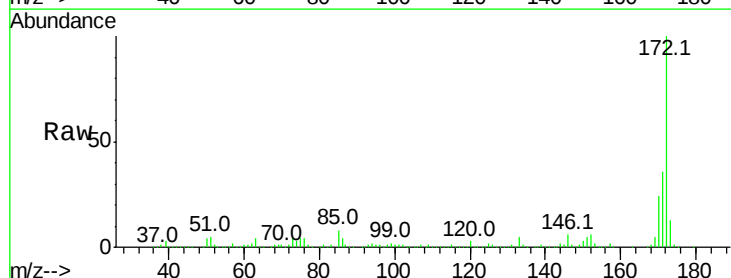


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

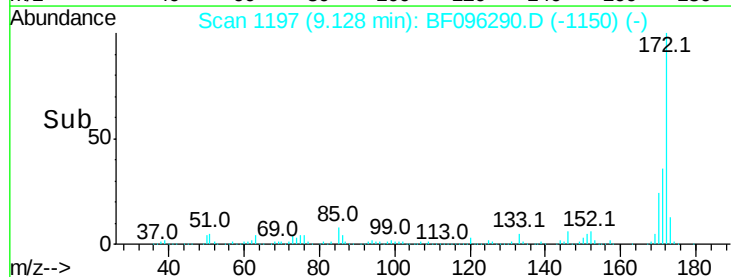
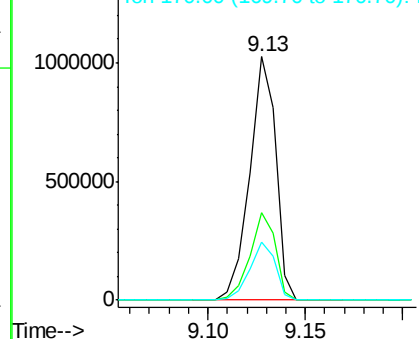


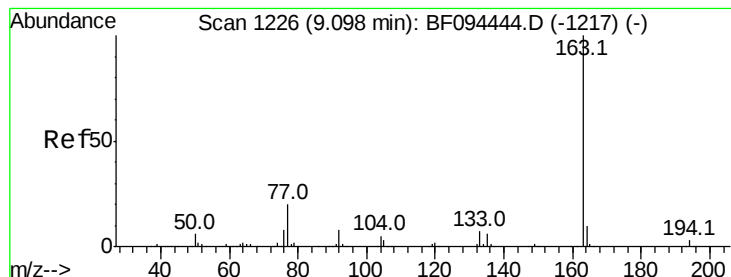
#44
 2-Fluorobiphenyl
 Concen: 70.05 ng
 RT: 9.13 min Scan# 1197
 Delta R.T. -0.02 min
 Lab File: BF096290.D
 Acq: 29 Jun 2017 14:30

Tgt Ion:172 Resp: 951779
 Ion Ratio Lower Upper
 172 100
 171 36.0 29.6 44.4
 170 23.6 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: 13.41 ng

RT: 9.52 min Scan# 1264

Delta R.T. -0.01 min

Lab File: BF096290.D

Acq: 29 Jun 2017 14:30

Instrument :

BNA_F

ClientSampleId :

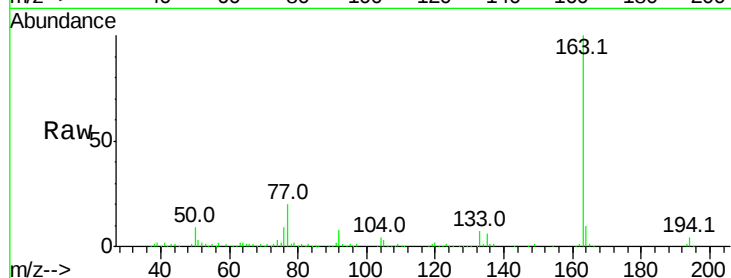
Tot Ion:163 Resp: 238858

Ion Ratio Lower Upper

163 100

194 3.7 2.6 4.0

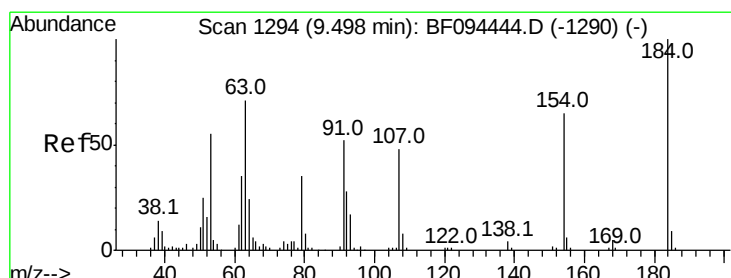
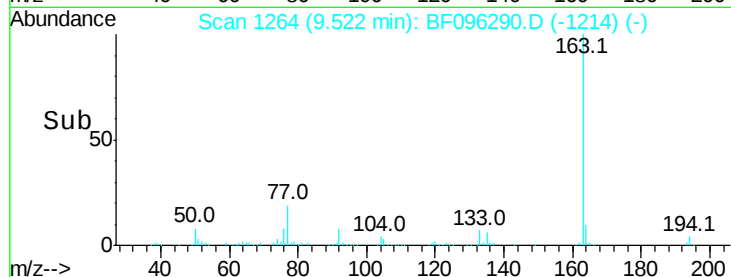
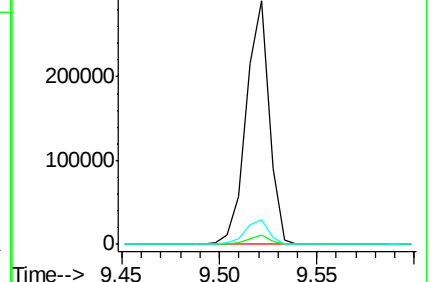
164 10.4 8.4 12.6



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



#53

2,4-Dinitrophenol

Concen: 8.03 ng

RT: 10.09 min Scan# 1361

Delta R.T. 0.22 min

Lab File: BF096290.D

Acq: 29 Jun 2017 14:30

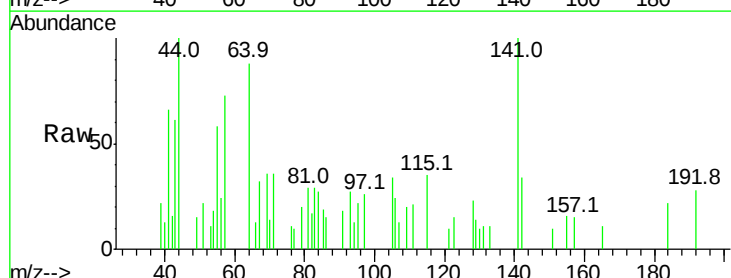
Tgt Ion:184 Resp: 587

Ion Ratio Lower Upper

184 100

63 0.0 62.7 94.1#

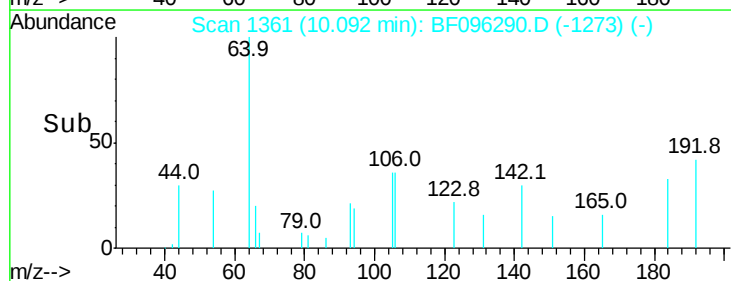
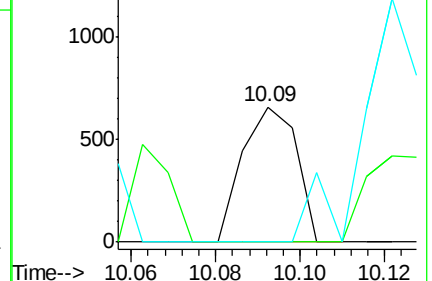
154 0.0 81.1 121.7#

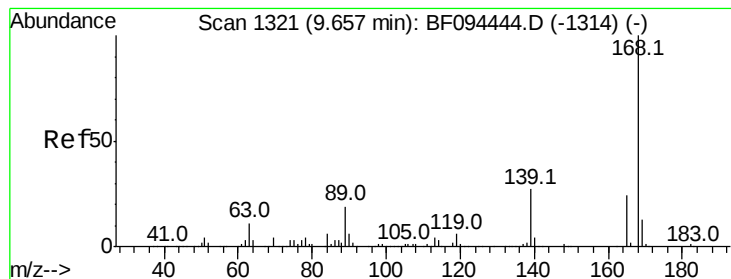


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E





#56

2,4-Dinitrotoluene

Concen: 7.23 ng

RT: 9.80 min Scan# 1312

Delta R.T. -0.21 min

Lab File: BF096290.D

Acq: 29 Jun 2017 14:30

Instrument :

BNA_F

ClientSampleId :

Tot Ion:165 Resp: 33733

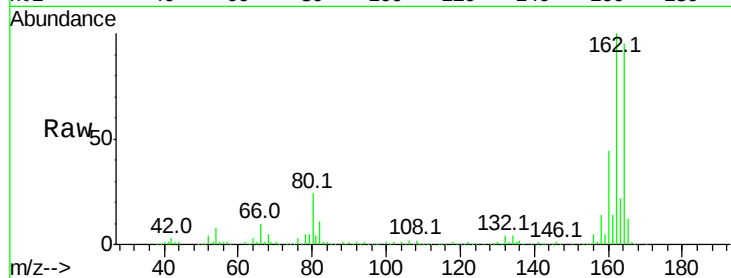
Ion Ratio Lower Upper

165 100

63 1.5 25.4 38.0#

89 1.1 46.4 69.6#

182 0.0 1.8 2.6#

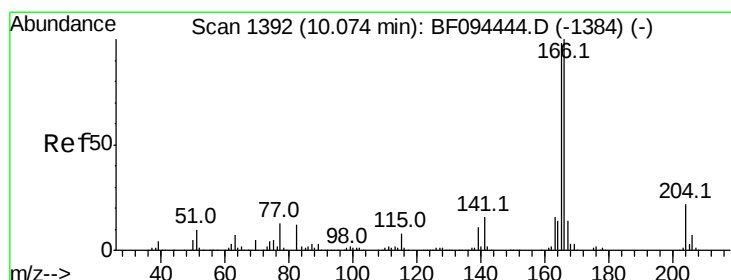
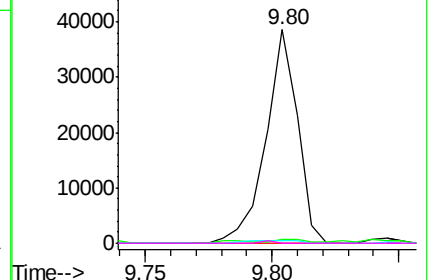
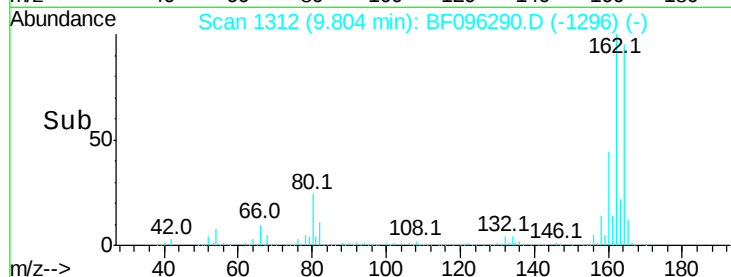


Abundance Ion 165.00 (164.70 to 165.70): E

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: BF096290.D

Acq: 29 Jun 2017 14:30

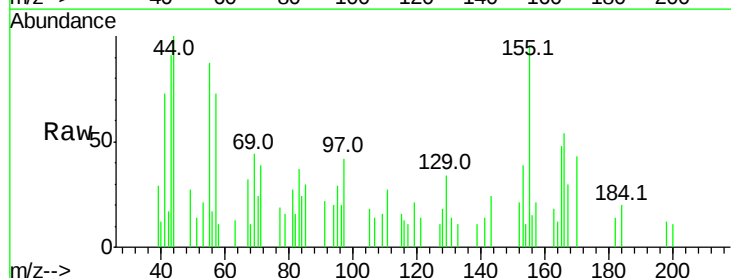
Tgt Ion:166 Resp: 1889

Ion Ratio Lower Upper

166 100

165 87.4 78.8 118.2

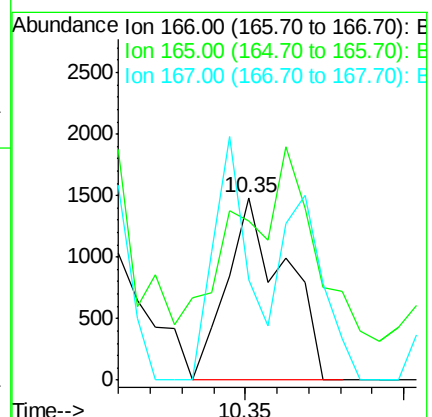
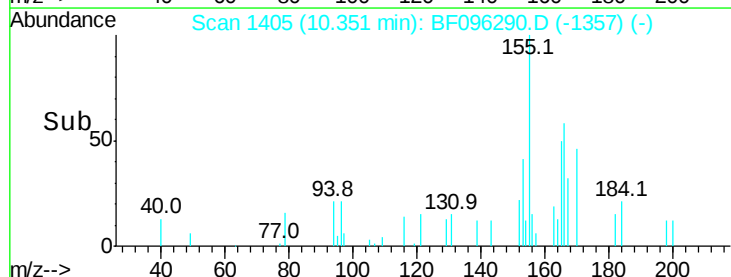
167 54.9 10.6 16.0#

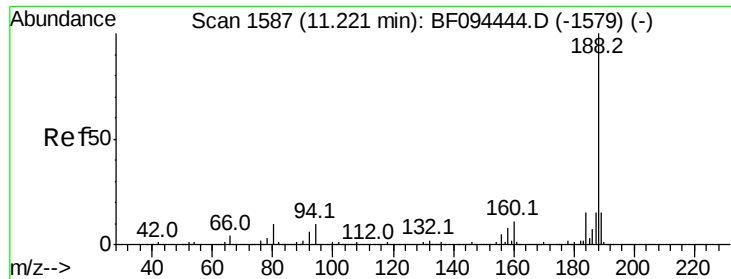


Abundance Ion 166.00 (165.70 to 166.70): E

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: BF096290.D

Acq: 29 Jun 2017 14:30

Instrument :

BNA_F

ClientSampleId :

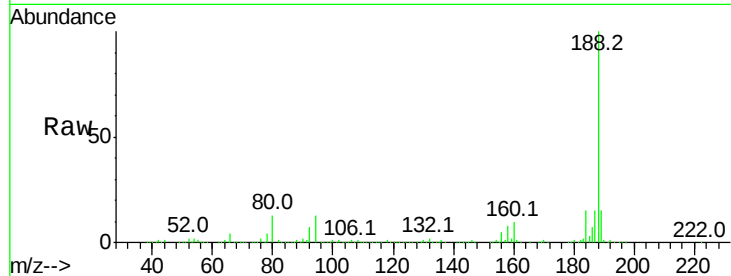
Tot Ion:188 Resp: 360917

Ion Ratio Lower Upper

188 100

94 12.9 9.4 14.2

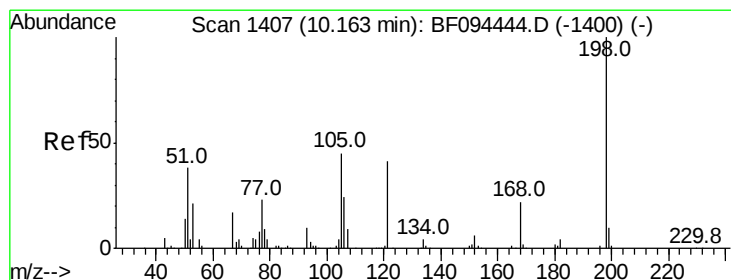
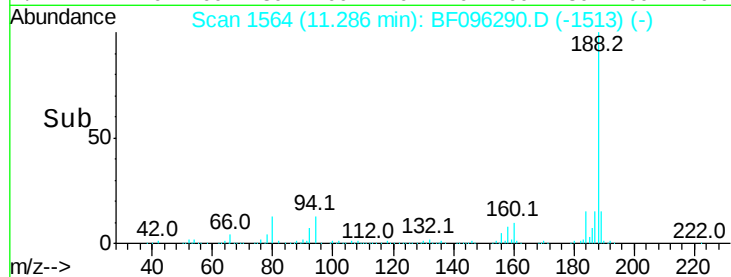
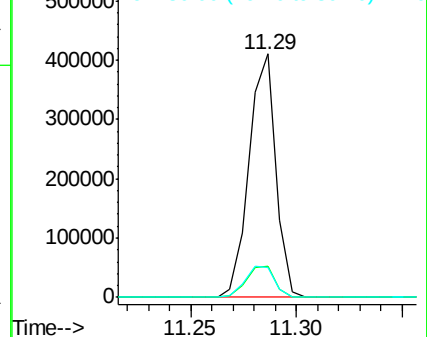
80 12.5 10.2 15.2



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



#64

4,6-Dinitro-2-methylphenol

Concen: 8.80 ng

RT: 10.37 min Scan# 1409

Delta R.T. -0.04 min

Lab File: BF096290.D

Acq: 29 Jun 2017 14:30

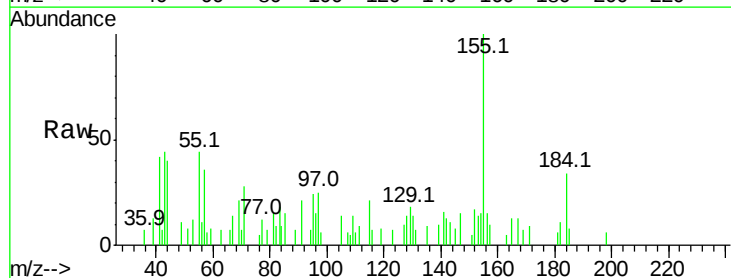
Tgt Ion:198 Resp: 115

Ion Ratio Lower Upper

198 100

51 141.7 53.2 93.2#

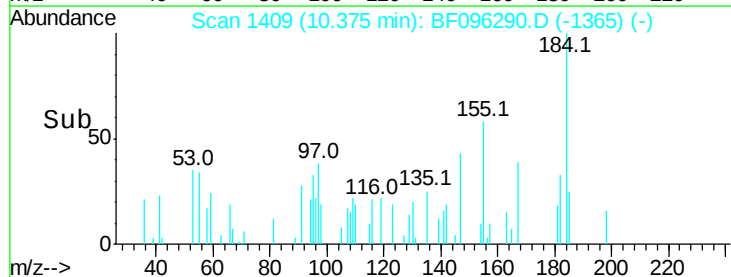
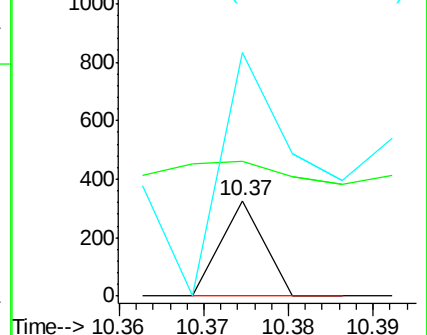
105 255.5 45.8 85.8#

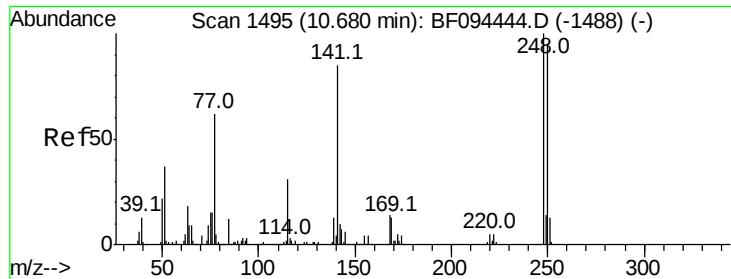


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E

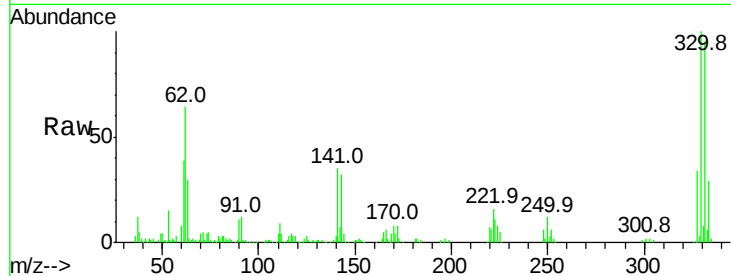




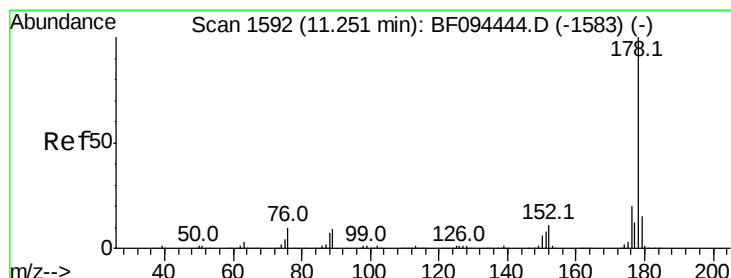
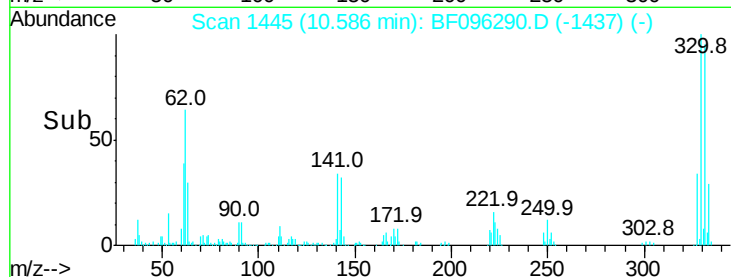
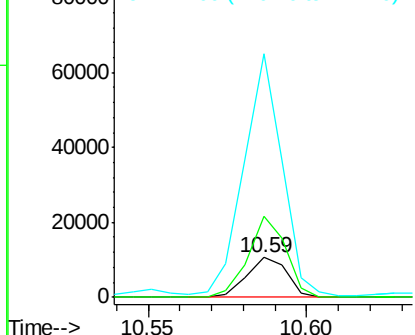
#66
4-Bromophenyl-phenylether
Concen: 2.51 ng
RT: 10.59 min Scan# 1445
Delta R.T. -0.25 min
Lab File: BF096290.D
Acq: 29 Jun 2017 14:30

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 9333
Ion Ratio Lower Upper
248 100
250 203.9 76.8 115.2#
141 612.6 68.6 103.0#

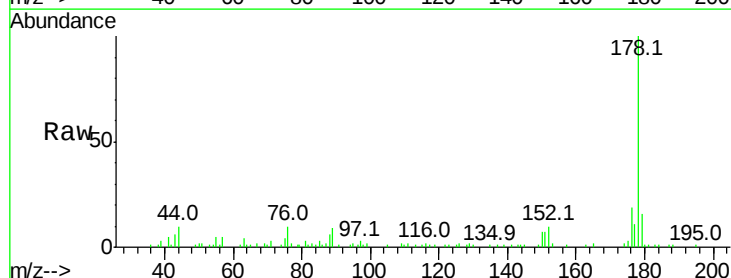


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

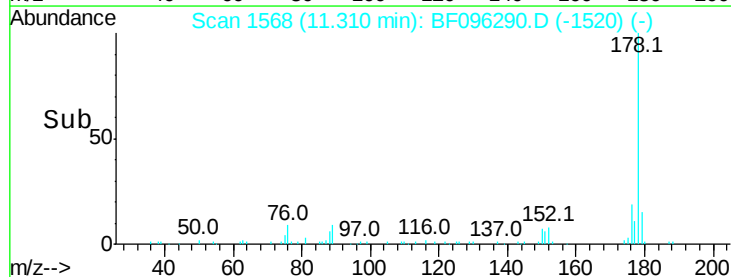
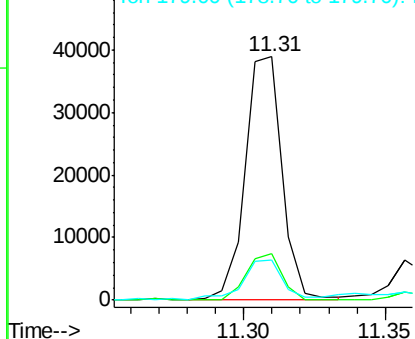


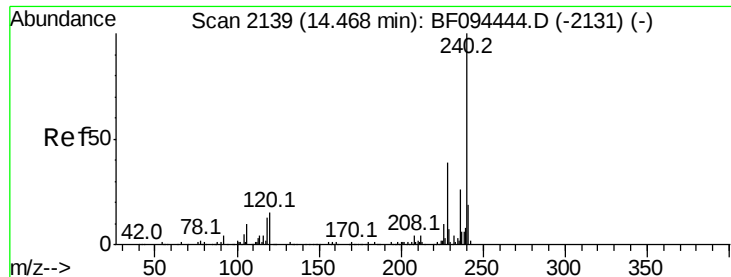
#70
Phenanthrene
Concen: Below Cal
RT: 11.31 min Scan# 1568
Delta R.T. -0.02 min
Lab File: BF096290.D
Acq: 29 Jun 2017 14:30

Tgt Ion:178 Resp: 35393
Ion Ratio Lower Upper
178 100
176 18.9 16.2 24.4
179 16.2 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: BF096290.D

Acq: 29 Jun 2017 14:30

Instrument :

BNA_F

ClientSampleId :

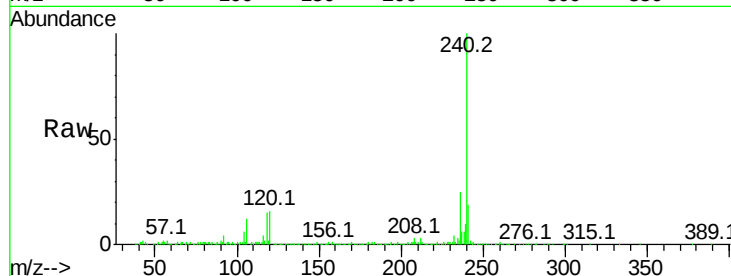
Tot Ion:240 Resp: 345914

Ion Ratio Lower Upper

240 100

120 16.5 5.8 8.8#

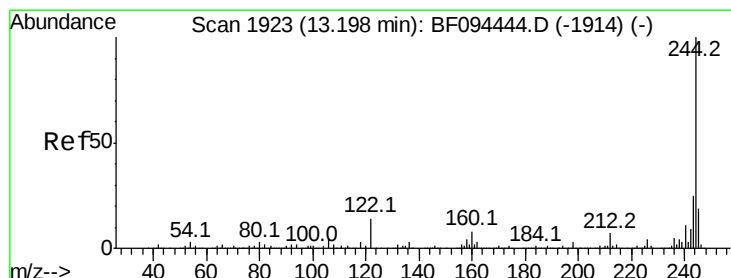
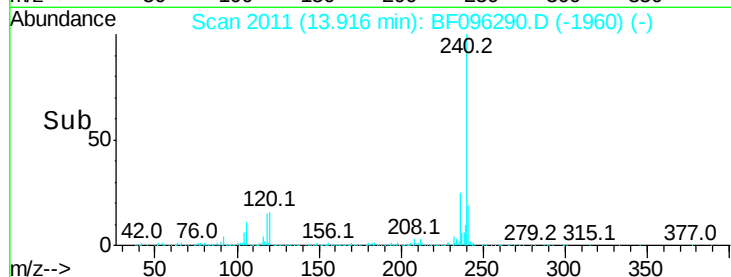
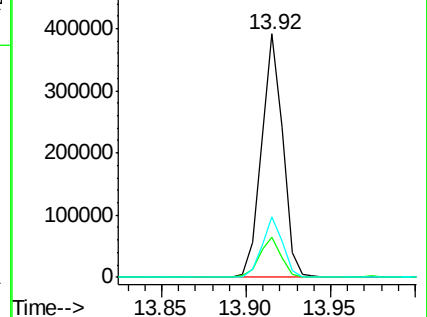
236 24.7 20.5 30.7



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: 42.86 ng

RT: 12.87 min Scan# 1833

Delta R.T. -0.00 min

Lab File: BF096290.D

Acq: 29 Jun 2017 14:30

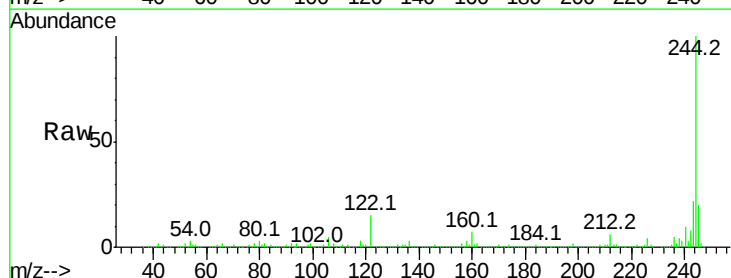
Tgt Ion:244 Resp: 594182

Ion Ratio Lower Upper

244 100

212 6.3 6.0 9.0

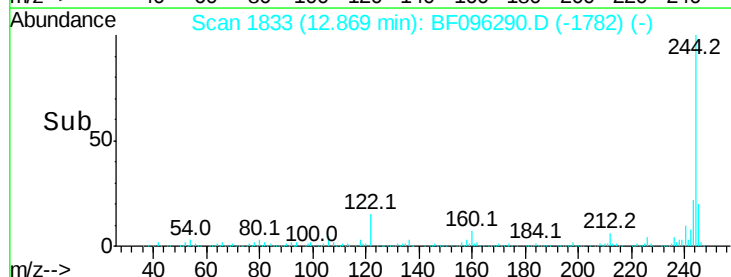
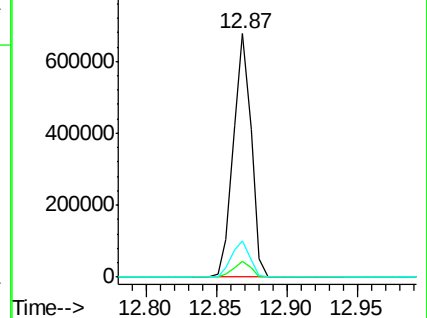
122 14.9 10.3 15.5

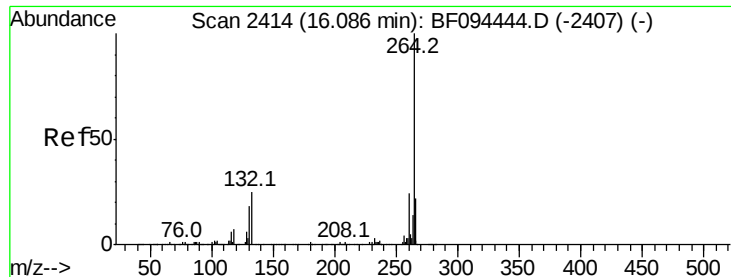


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.34 min Scan# 2253
Delta R.T. -0.00 min
Lab File: BF096290.D
Acq: 29 Jun 2017 14:30

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.5	29.3
265	21.9	17.2	25.8

