

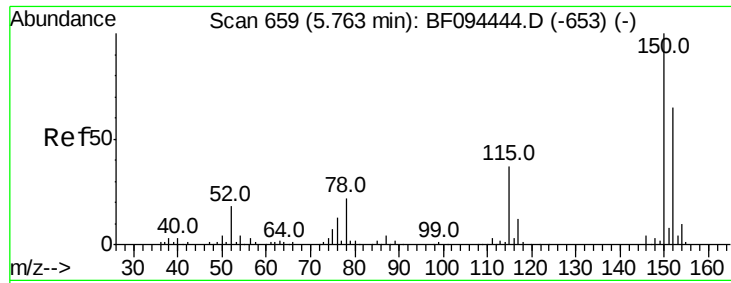
Data Path : Z:\HPCHEM1\BNA F\DATA\BF042017\
 Data File : BF094543.D
 Acq On : 20 Apr 2017 14:33
 Operator : SJ/MA
 Sample : I2744-06
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 20 17:28:30 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF041717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 17 14:59:23 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.77	152	111923	20.00	ng	0.00
21) Naphthalene-d8	7.25	136	453960	20.00	ng	0.00
38) Acenaphthene-d10	9.39	164	211684	20.00	ng	0.00
63) Phenanthrene-d10	11.21	188	413317	20.00	ng	-0.01
75) Chrysene-d12	14.45	240	359195	20.00	ng	-0.01
86) Perylene-d12	16.08	264	253691	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.32	112	774744	114.84	ng	0.01
7) Phenol-d6	5.39	99	981034	123.35	ng	0.00
23) Nitrobenzene-d5	6.41	82	594221	80.83	ng	0.00
41) 2,4,6-Tribromophenol	10.37	330	215307	130.04	ng	0.00
44) 2-Fluorobiphenyl	8.58	172	1080890	75.13	ng	0.00
78) Terphenyl-d14	13.19	244	982632	73.12	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	5.52	77	15934	2.63	ng	89
10) Phenol	5.40	94	20742	2.12	ng	97
19) n-Nitroso-di-n-propylamine	6.41	70	76905	14.59	ng	# 79
49) Dimethylphthalate	9.08	163	336993	21.36	ng	99
56) 2,4-Dinitrotoluene	9.39	165	26950	6.20	ng	# 33

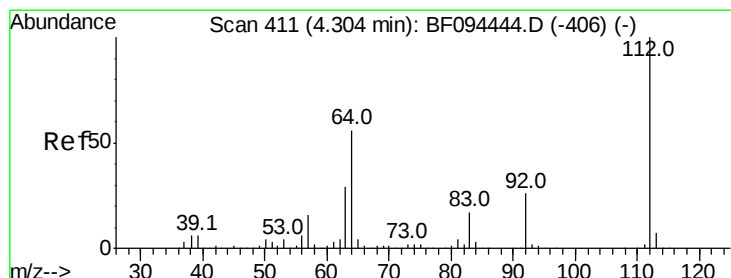
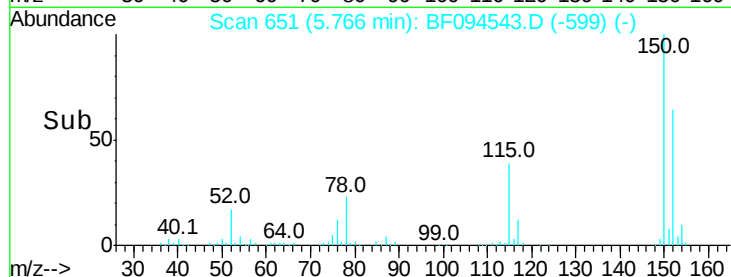
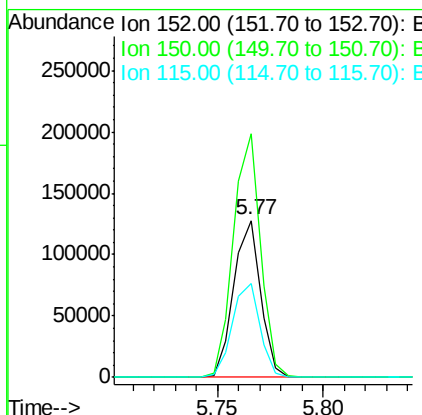
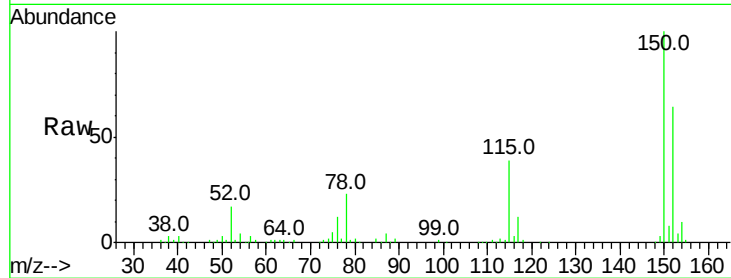
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 5.77 min Scan# 651
 Delta R.T. 0.00 min
 Lab File: BF094543.D
 Acq: 20 Apr 2017 14:33

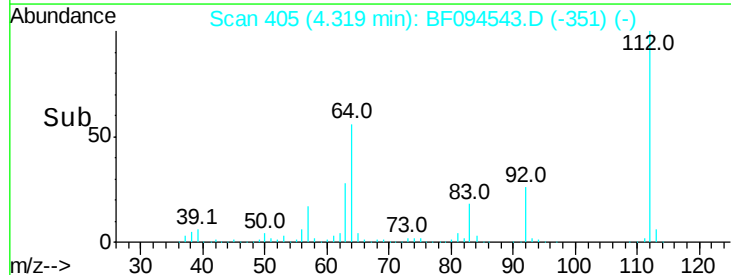
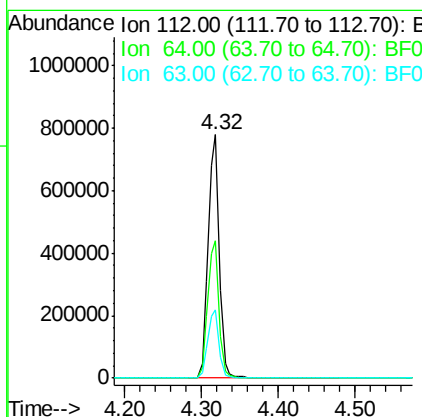
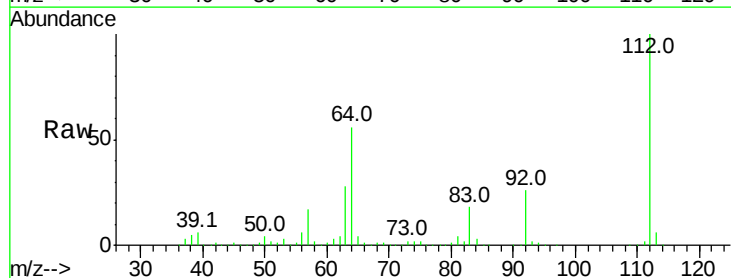
Instrument :
 BNA_F
 ClientSampleId :

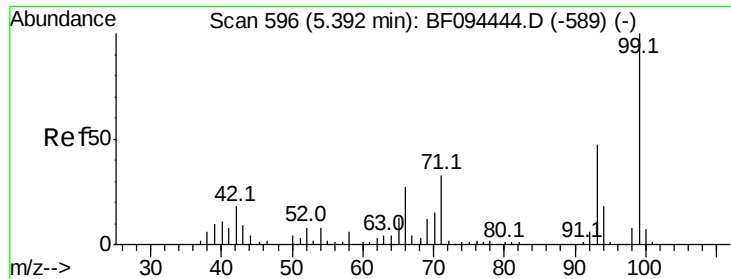
Tot Ion:152 Resp: 111923
 Ion Ratio Lower Upper
 152 100
 150 155.2 126.2 189.2
 115 59.9 52.2 78.2



#5
 2-Fluorophenol
 Concen: 114.84 ng
 RT: 4.32 min Scan# 405
 Delta R.T. 0.01 min
 Lab File: BF094543.D
 Acq: 20 Apr 2017 14:33

Tgt Ion:112 Resp: 774744
 Ion Ratio Lower Upper
 112 100
 64 56.2 46.0 69.0
 63 28.2 23.4 35.0





#7

Phenol-d6

Concen: 123.35 ng

RT: 5.39 min Scan# 587

Delta R.T. -0.00 min

Lab File: BF094543.D

Acq: 20 Apr 2017 14:33

Instrument :

BNA_F

ClientSampled :

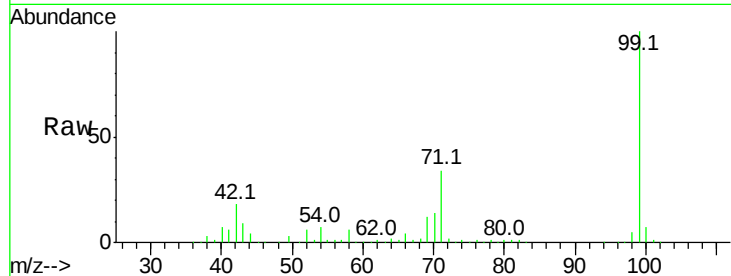
Tot Ion: 99 Resp: 981034

Ion Ratio Lower Upper

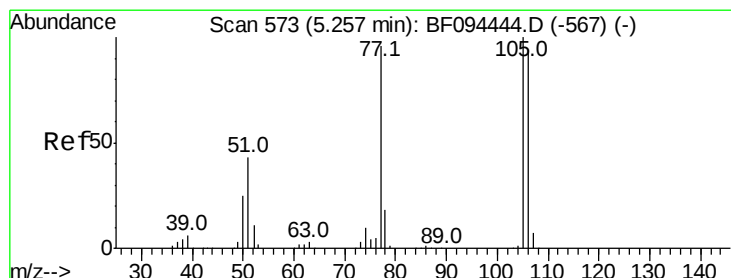
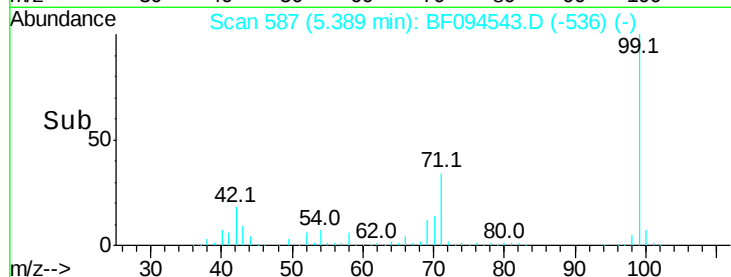
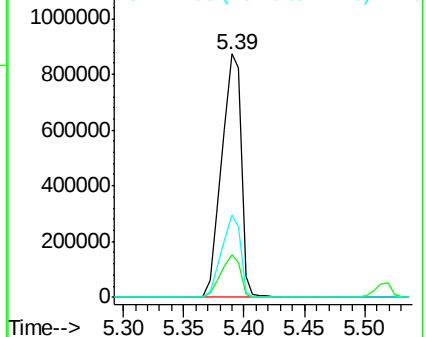
99 100

42 17.7 13.5 20.3

71 33.8 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#9

Benzaldehyde

Concen: 2.63 ng

RT: 5.52 min Scan# 609

Delta R.T. 0.26 min

Lab File: BF094543.D

Acq: 20 Apr 2017 14:33

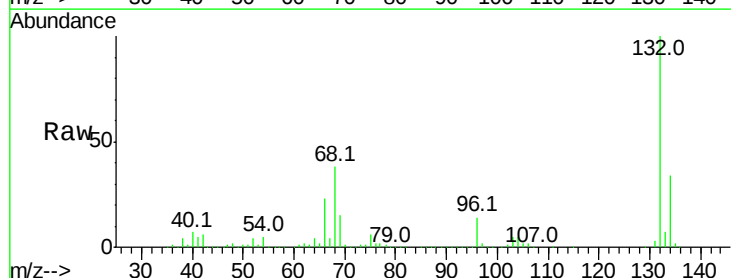
Tgt Ion: 77 Resp: 15934

Ion Ratio Lower Upper

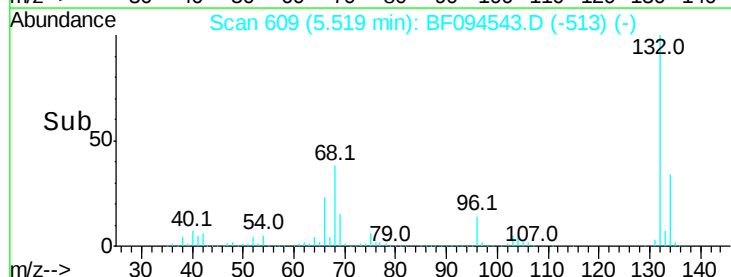
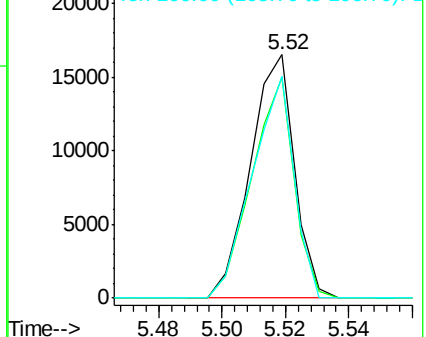
77 100

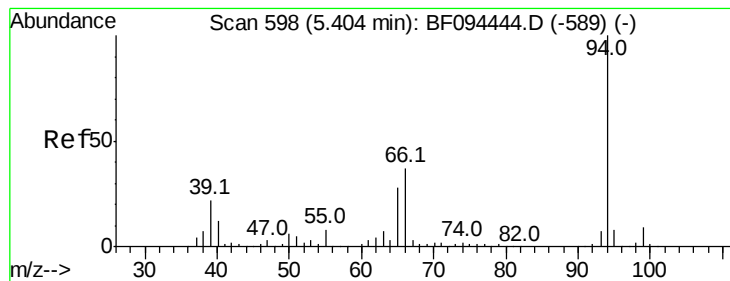
105 90.4 83.8 123.8

106 91.2 79.1 119.1



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





#10

Phenol

Concen: 2.12 ng

RT: 5.40 min Scan# 589

Delta R.T. -0.00 min

Lab File: BF094543.D

Acq: 20 Apr 2017 14:33

Instrument :

BNA_F

ClientSampled :

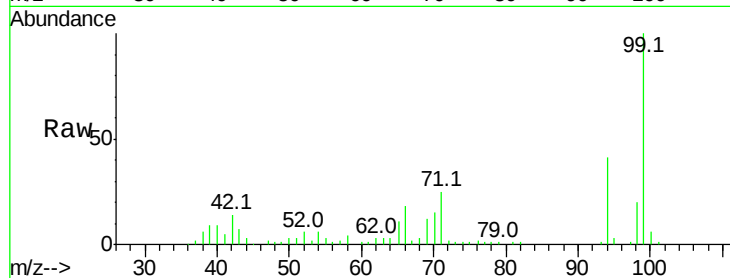
Tot Ion: 94 Resp: 20742

Ion Ratio Lower Upper

94 100

65 25.8 9.9 49.9

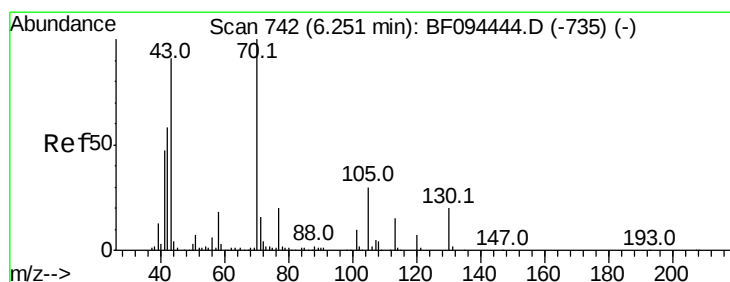
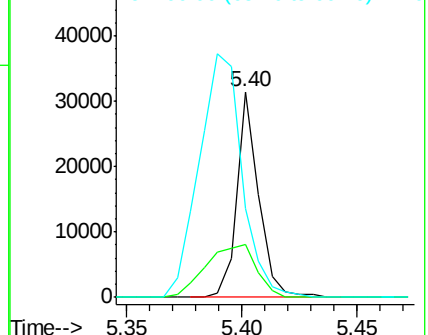
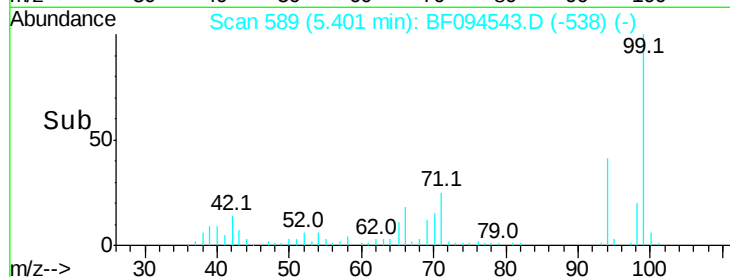
66 43.3 23.1 63.1



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: 14.59 ng

RT: 6.41 min Scan# 761

Delta R.T. 0.16 min

Lab File: BF094543.D

Acq: 20 Apr 2017 14:33

Tgt Ion: 70 Resp: 76905

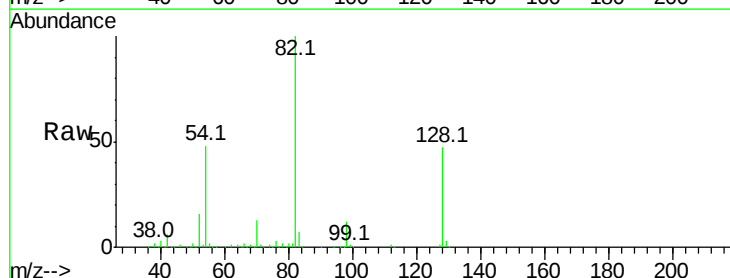
Ion Ratio Lower Upper

70 100

42 47.8 47.2 70.8

101 0.0 7.2 10.8#

130 2.2 15.9 23.9#

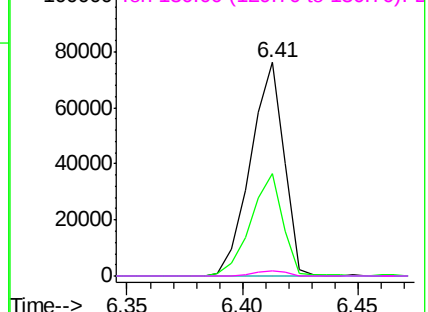
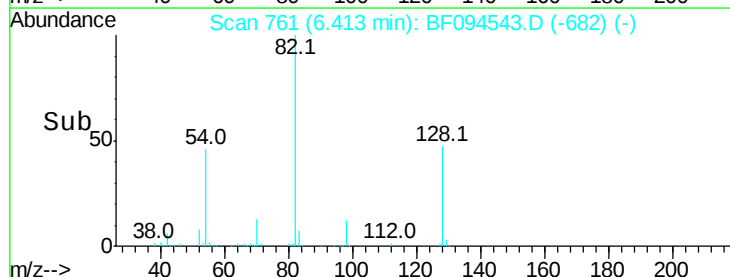


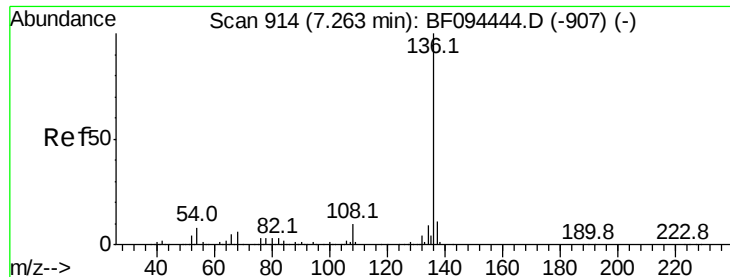
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 7.25 min Scan# 904

Delta R.T. -0.01 min

Lab File: BF094543.D

Acq: 20 Apr 2017 14:33

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 453960

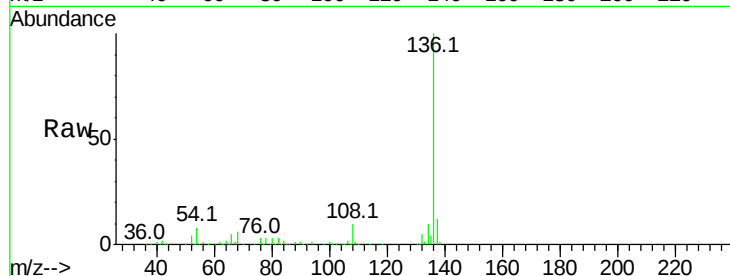
Ion Ratio Lower Upper

136 100

137 11.5 8.5 12.7

54 7.8 4.9 7.3#

68 5.6 4.1 6.1

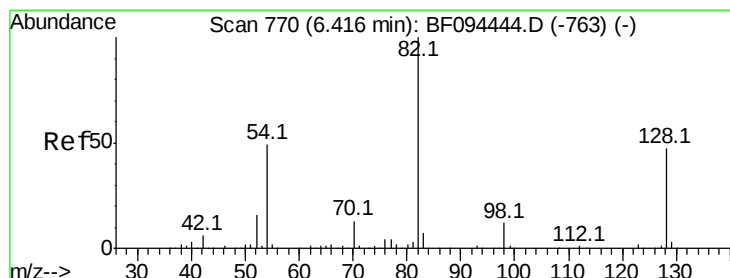
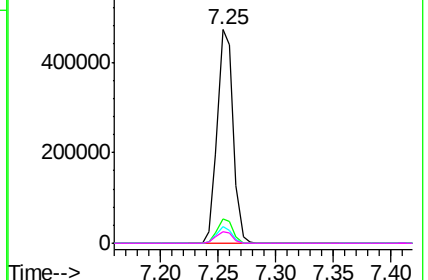
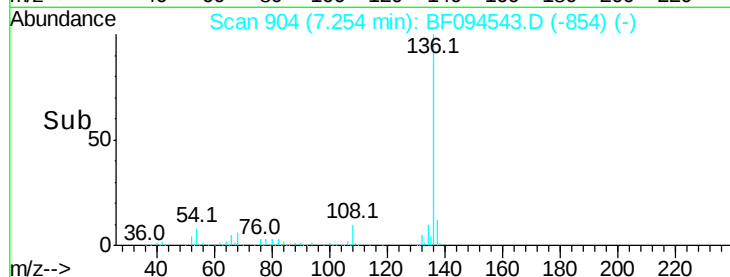


Abundance Ion 136.00 (135.70 to 136.70): E

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: 80.83 ng

RT: 6.41 min Scan# 761

Delta R.T. -0.00 min

Lab File: BF094543.D

Acq: 20 Apr 2017 14:33

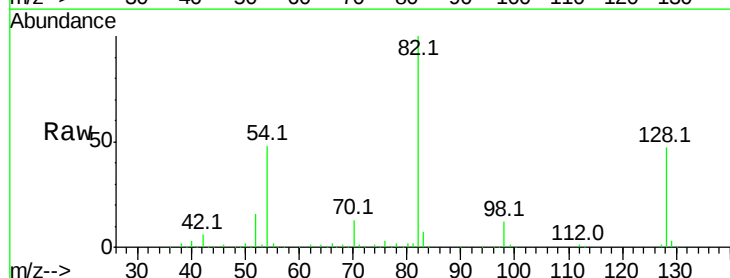
Tgt Ion: 82 Resp: 594221

Ion Ratio Lower Upper

82 100

128 46.6 34.0 51.0

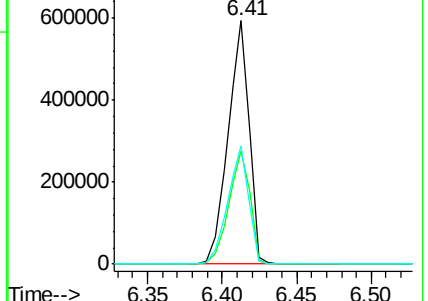
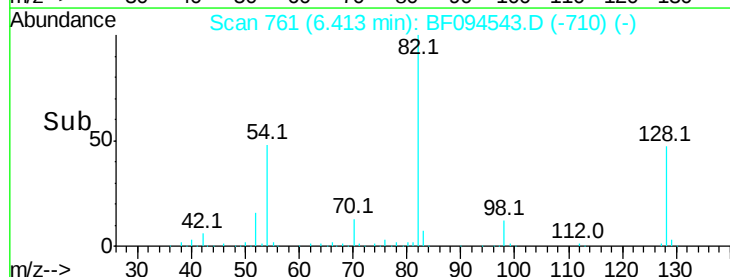
54 48.3 42.2 63.2

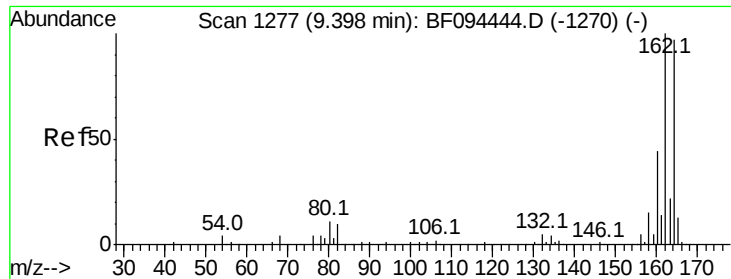


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.39 min Scan# 1267

Delta R.T. -0.01 min

Lab File: BF094543.D

Acq: 20 Apr 2017 14:33

Instrument :

BNA_F

ClientSampleId :

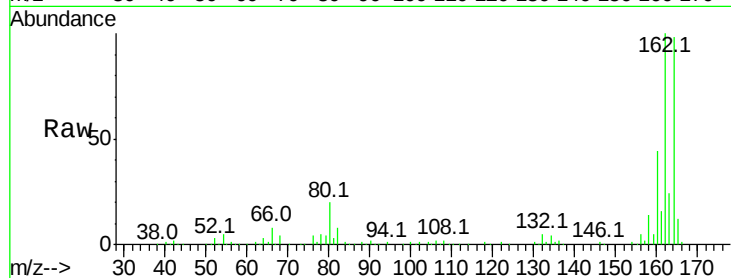
Tot Ion:164 Resp: 211684

Ion Ratio Lower Upper

164 100

162 102.1 82.6 123.8

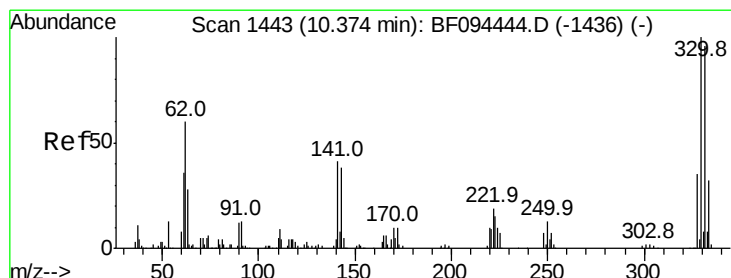
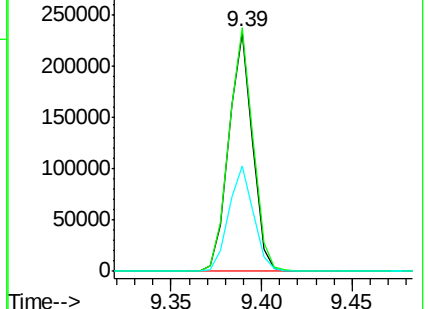
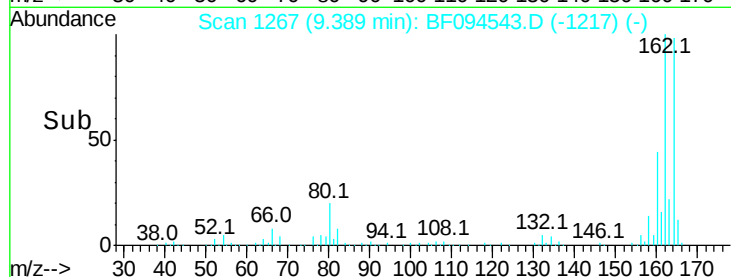
160 44.4 36.2 54.2



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: 130.04 ng

RT: 10.37 min Scan# 1433

Delta R.T. -0.01 min

Lab File: BF094543.D

Acq: 20 Apr 2017 14:33

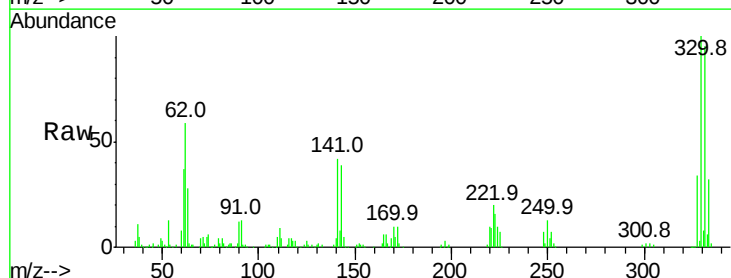
Tgt Ion:330 Resp: 215307

Ion Ratio Lower Upper

330 100

332 97.0 76.6 115.0

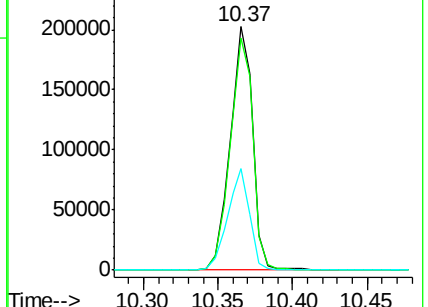
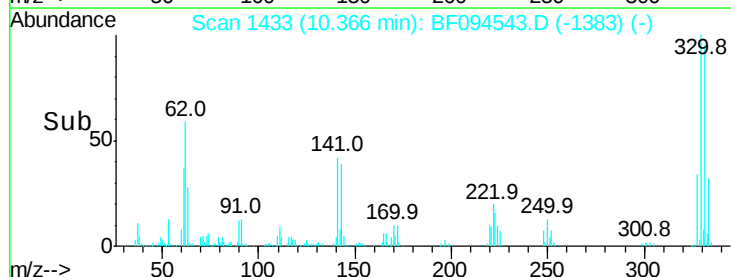
141 40.6 31.4 47.2

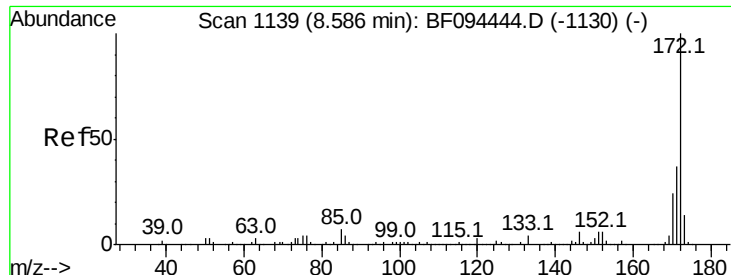


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

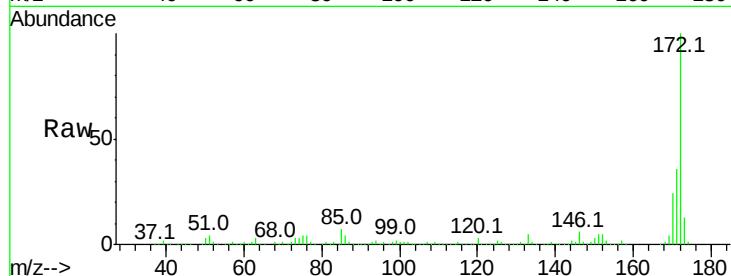




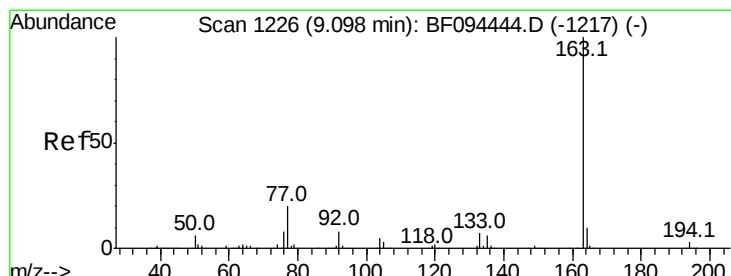
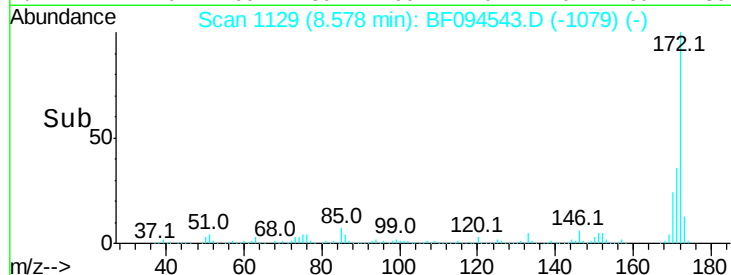
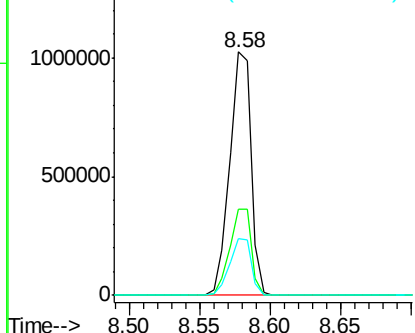
#44
2-Fluorobiphenyl
Concen: 75.13 ng
RT: 8.58 min Scan# 1129
Delta R.T. -0.01 min
Lab File: BF094543.D
Acq: 20 Apr 2017 14:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1080890
Ion Ratio Lower Upper
172 100
171 35.5 29.6 44.4
170 23.5 19.8 29.8

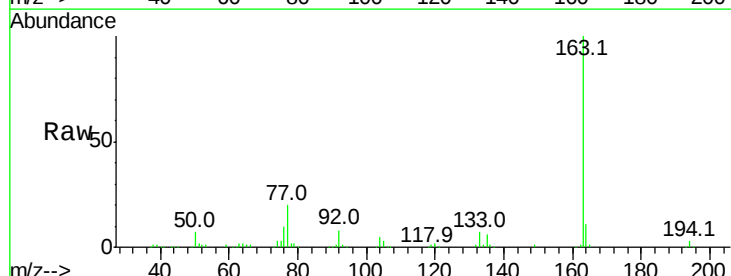


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

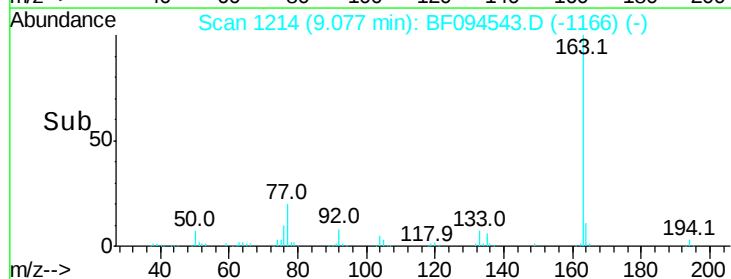
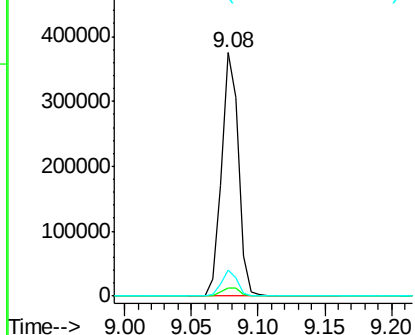


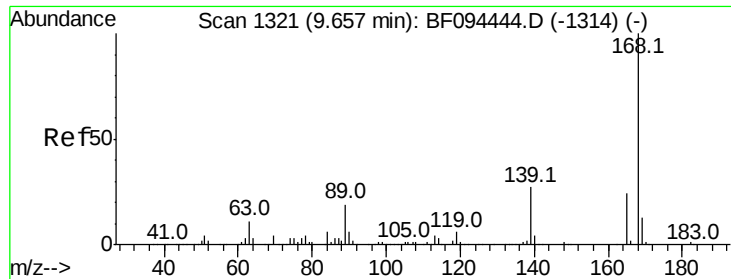
#49
Dimethylphthalate
Concen: 21.36 ng
RT: 9.08 min Scan# 1214
Delta R.T. -0.02 min
Lab File: BF094543.D
Acq: 20 Apr 2017 14:33

Tgt Ion:163 Resp: 336993
Ion Ratio Lower Upper
163 100
194 3.4 2.6 4.0
164 10.8 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

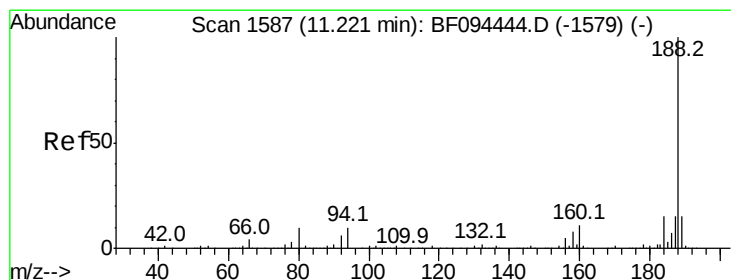
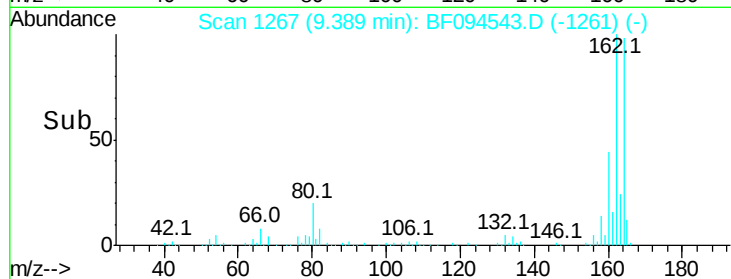
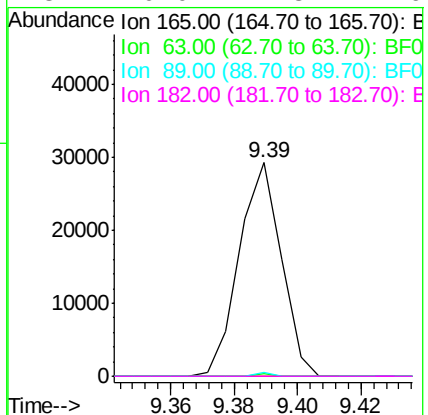
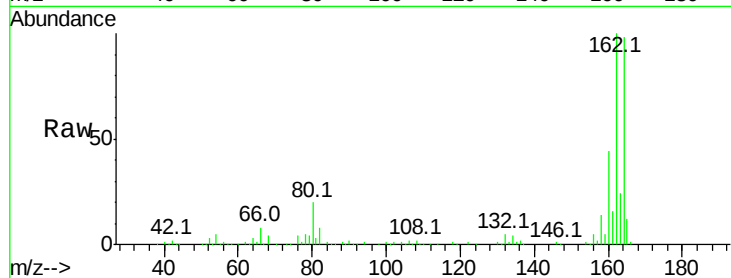




#56
 2,4-Dinitrotoluene
 Concen: 6.20 ng
 RT: 9.39 min Scan# 1267
 Delta R.T. -0.27 min
 Lab File: BF094543.D
 Acq: 20 Apr 2017 14:33

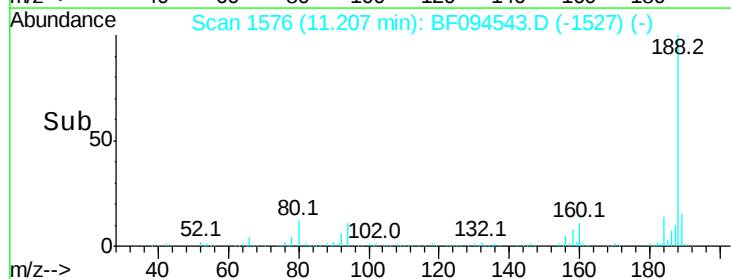
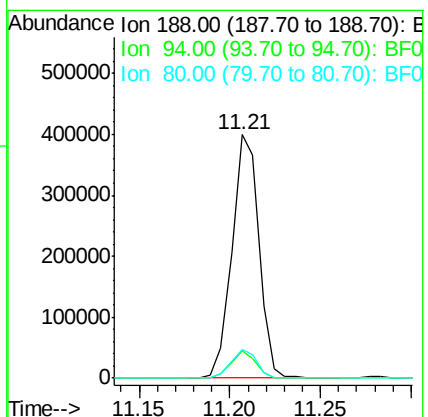
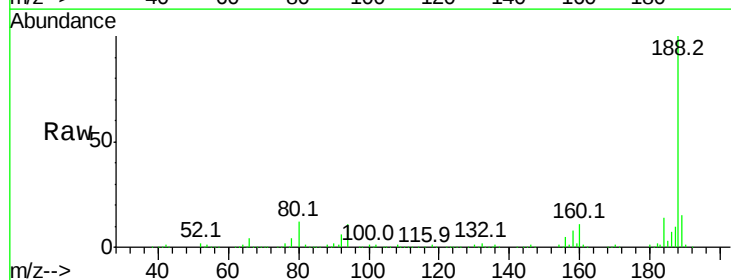
Instrument :
 BNA_F
 ClientSampleId :

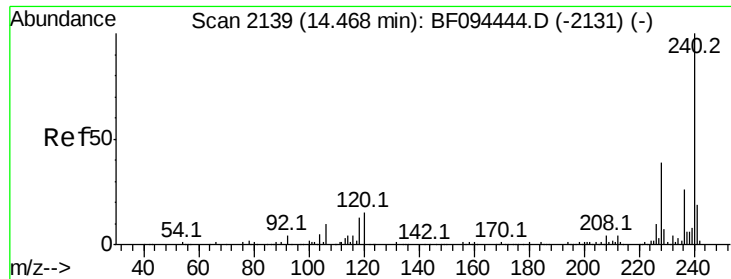
Tot Ion:165 Resp: 26950
 Ion Ratio Lower Upper
 165 100
 63 1.2 25.4 38.0#
 89 1.9 46.4 69.6#
 182 0.0 1.8 2.6#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.21 min Scan# 1576
 Delta R.T. -0.01 min
 Lab File: BF094543.D
 Acq: 20 Apr 2017 14:33

Tgt Ion:188 Resp: 413317
 Ion Ratio Lower Upper
 188 100
 94 11.2 9.4 14.2
 80 11.9 10.2 15.2





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.45 min Scan# 2128

Delta R.T. -0.01 min

Lab File: BF094543.D

Acq: 20 Apr 2017 14:33

Instrument :

BNA_F

ClientSampleId :

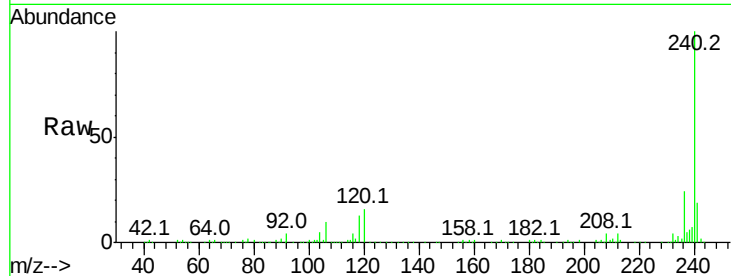
Tot Ion:240 Resp: 359195

Ion Ratio Lower Upper

240 100

120 16.0 5.8 8.8#

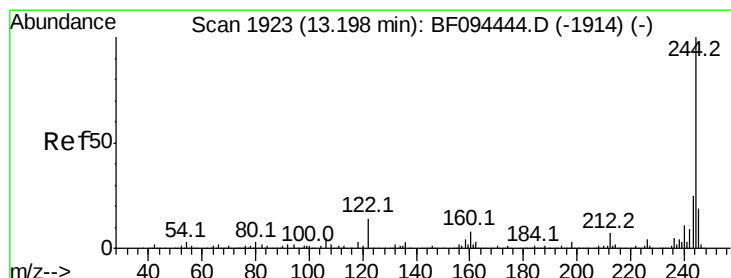
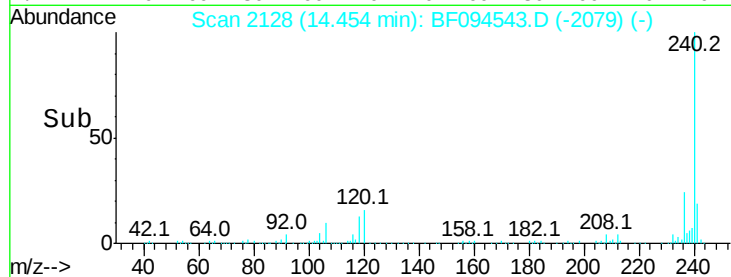
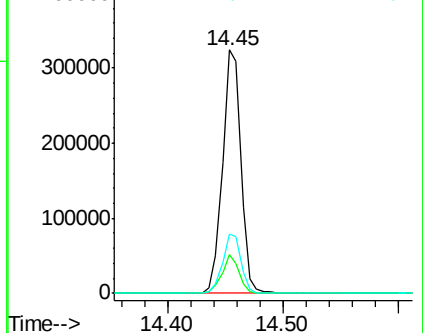
236 24.5 20.5 30.7



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: 73.12 ng

RT: 13.19 min Scan# 1913

Delta R.T. -0.01 min

Lab File: BF094543.D

Acq: 20 Apr 2017 14:33

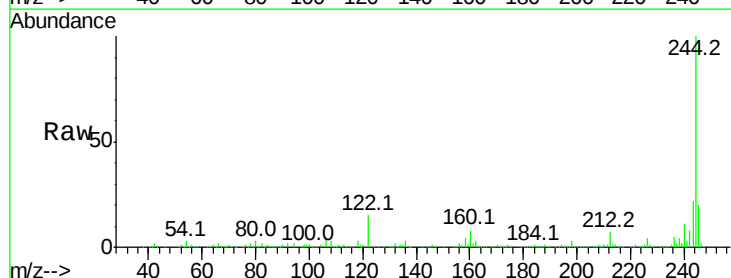
Tgt Ion:244 Resp: 982632

Ion Ratio Lower Upper

244 100

212 7.0 6.0 9.0

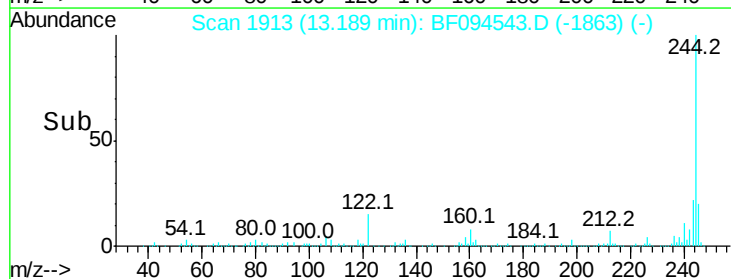
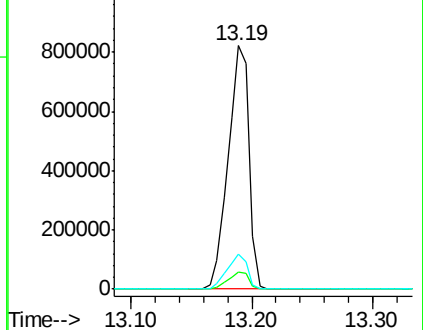
122 14.6 10.3 15.5

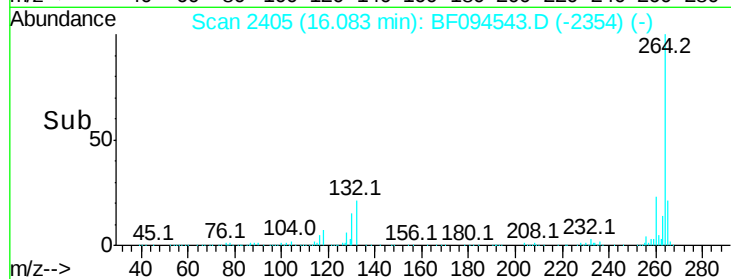
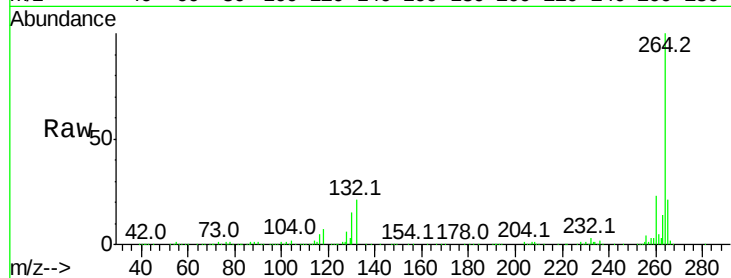
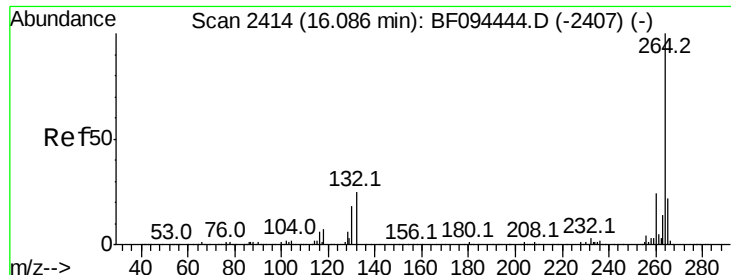


Abundance Ion 244.00 (243.70 to 244.70): E

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: 16.08 min Scan# 2405

Delta R.T. -0.00 min

Lab File: BF094543.D

Acq: 20 Apr 2017 14:33

Instrument :

BNA_F

ClientSampleId :

Tot Ion:264 Resp: 253691

Ion Ratio Lower Upper

264 100

260 22.9 19.5 29.3

265 21.4 17.2 25.8

