

Data Path : Z:\HPCHEM1\BNA F\Data\BF101916\
 Data File : BF090646.D
 Acq On : 19 Oct 2016 14:36
 Operator : UM/SJ
 Sample : H5291-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-CUTTINGS

Quant Time: Oct 19 15:42:47 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 17 19:19:58 2016
 Response via : Initial Calibration

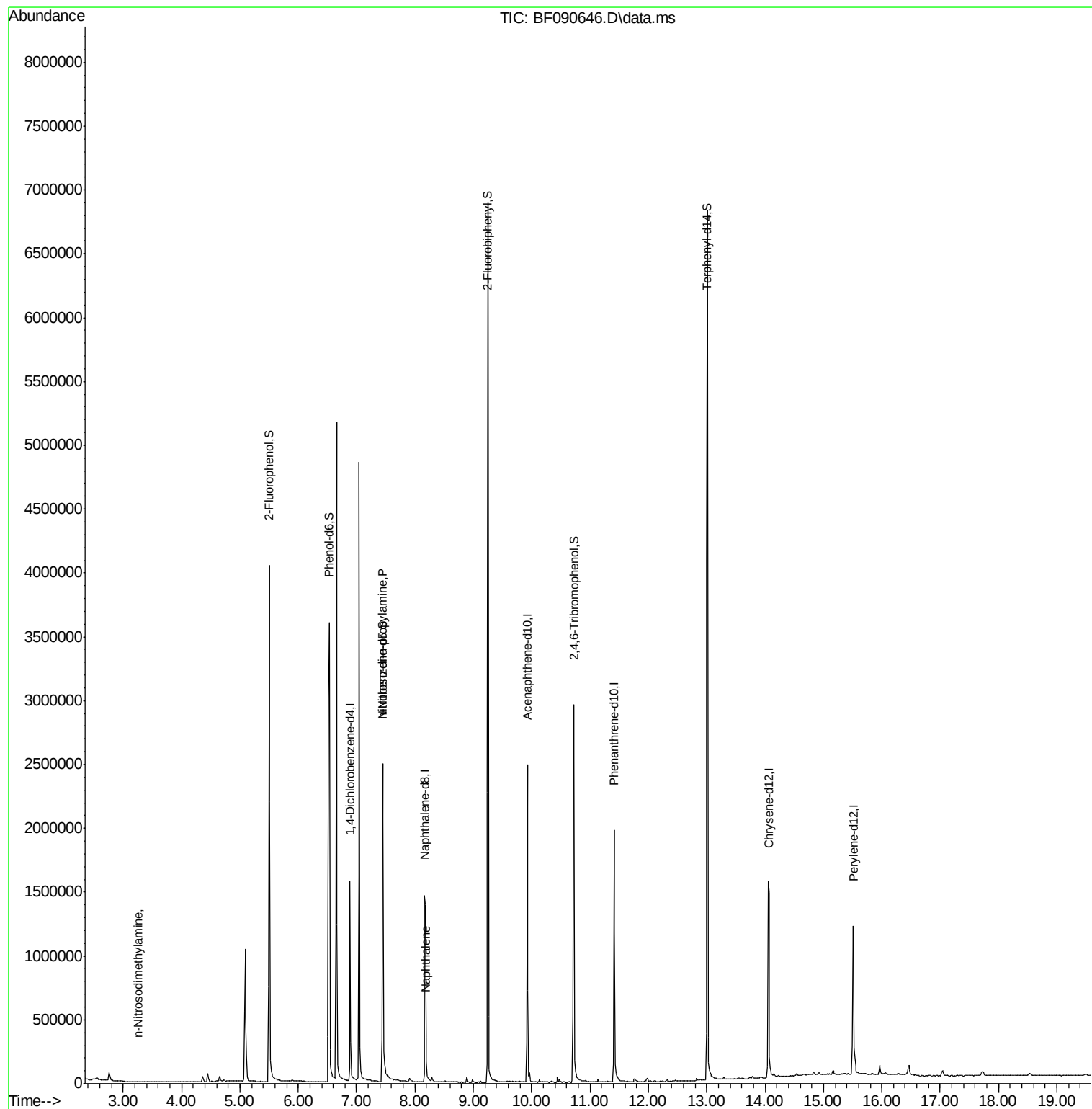
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.886	152	241105	20.00	ng	-0.02
21) Naphthalene-d8	8.177	136	1026418	20.00	ng	-0.02
38) Acenaphthene-d10	9.926	164	540828	20.00	ng	-0.03
63) Phenanthrene-d10	11.412	188	919119	20.00	ng	-0.03
75) Chrysene-d12	14.064	240	813451	20.00	ng	-0.02
86) Perylene-d12	15.515	264	661365	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.503	112	1499458	114.01	ng	-0.01
7) Phenol-d6	6.531	99	2009100	102.81	ng	-0.01
23) Nitrobenzene-d5	7.446	82	1394698	75.48	ng	-0.03
41) 2,4,6-Tribromophenol	10.726	330	602868	125.03	ng	-0.02
44) 2-Fluorobiphenyl	9.252	172	2207998	67.27	ng	-0.02
78) Terphenyl-d14	13.012	244	2661365	76.18	ng	-0.02
Target Compounds						
4) n-Nitrosodimethylamine	3.251	42	365	7.22	ng	# 1
19) n-Nitroso-di-n-propyla...	7.446	70	167363	12.49	ng	# 79
31) Naphthalene	8.189	128	142358	2.72	ng	99

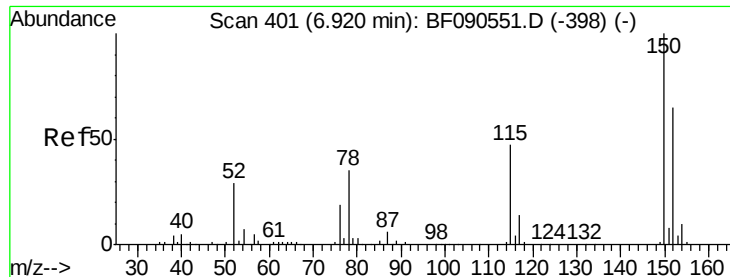
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.886 min Scan# 39

Delta R.T. -0.023 min

Lab File: BF090646.D

Acq: 19 Oct 2016 14:36

Instrument :

BNA_F

ClientSampleId :

SOIL-CUTTINGS

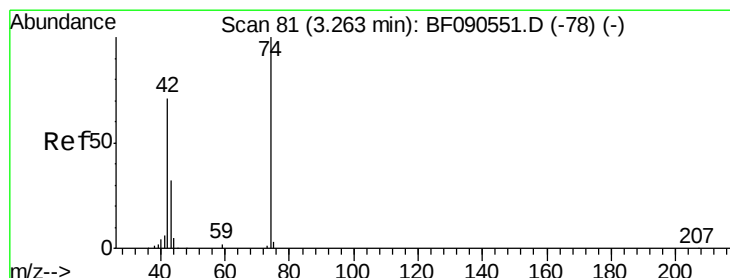
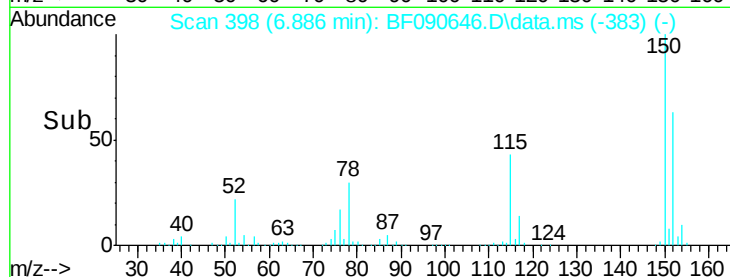
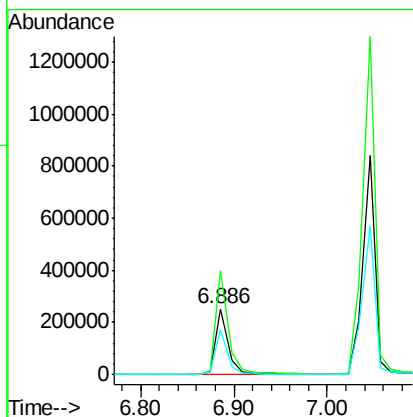
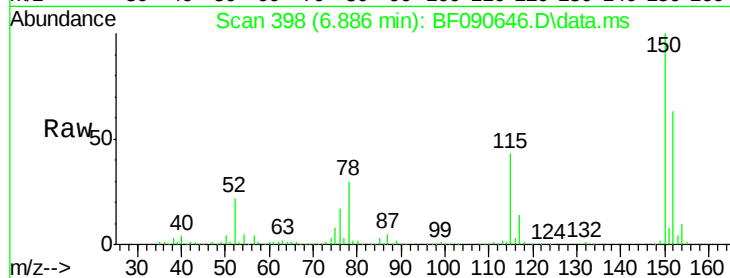
Tot Ion:152 Resp: 241105

Ion Ratio Lower Upper

152 100

150 159.3 127.2 190.8

115 68.0 58.6 88.0



#4

n-Nitrosodimethylamine

Concen: 7.22 ng

RT: 3.251 min Scan# 80

Delta R.T. 0.023 min

Lab File: BF090646.D

Acq: 19 Oct 2016 14:36

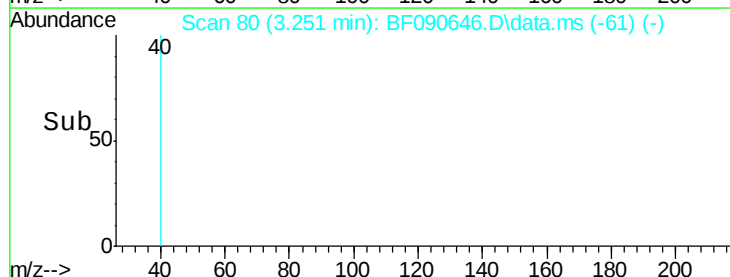
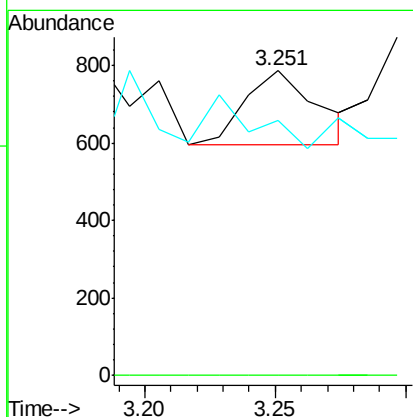
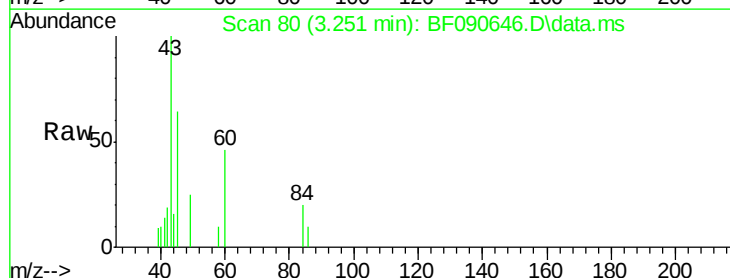
Tgt Ion: 42 Resp: 365

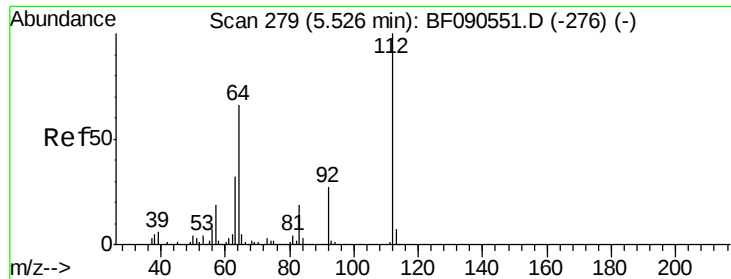
Ion Ratio Lower Upper

42 100

74 0.0 113.3 169.9#

44 83.6 6.0 9.0#





#5

2-Fluorophenol

Concen: 114.01 ng

RT: 5.503 min Scan# 27

Delta R.T. -0.012 min

Lab File: BF090646.D

Acq: 19 Oct 2016 14:36

Instrument :

BNA_F

ClientSampleId :

SOIL-CUTTINGS

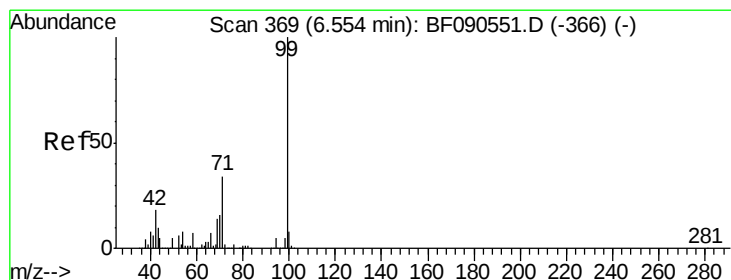
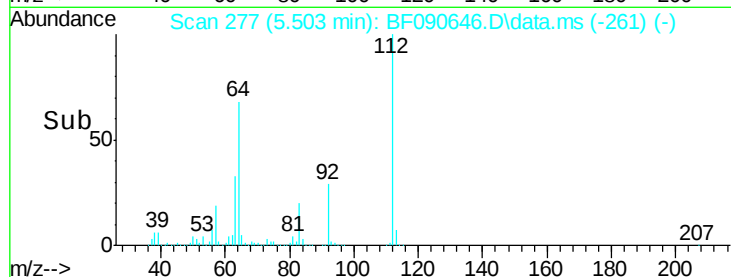
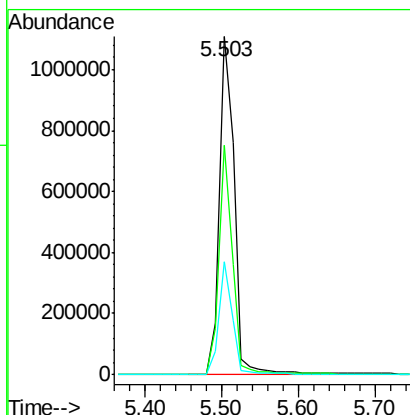
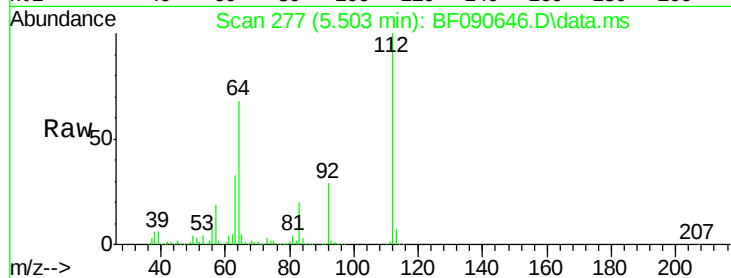
Tot Ion:112 Resp: 1499458

Ion Ratio Lower Upper

112 100

64 68.0 52.6 78.8

63 33.3 26.0 39.0



#7

Phenol-d6

Concen: 102.81 ng

RT: 6.531 min Scan# 367

Delta R.T. -0.012 min

Lab File: BF090646.D

Acq: 19 Oct 2016 14:36

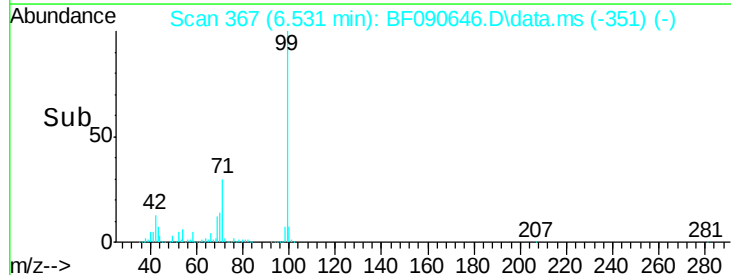
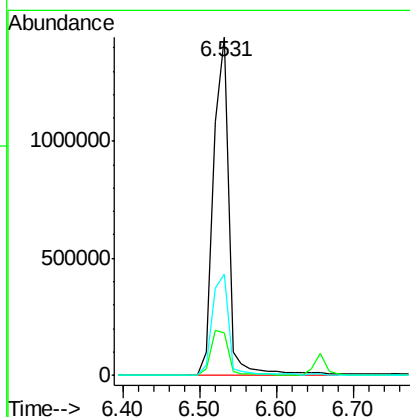
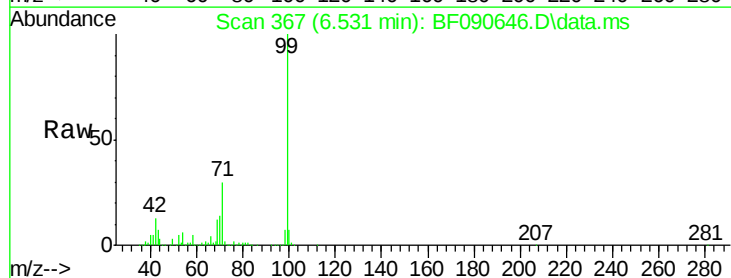
Tgt Ion: 99 Resp: 2009100

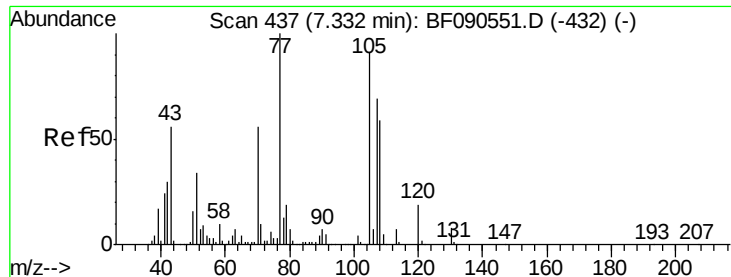
Ion Ratio Lower Upper

99 100

42 12.7 14.7 22.1#

71 29.8 27.6 41.4





#19

n-Nitroso-di-n-propylamine

Concen: 12.49 ng

RT: 7.446 min Scan# 44

Delta R.T. 0.114 min

Lab File: BF090646.D

Acq: 19 Oct 2016 14:36

Instrument :

BNA_F

ClientSampleId :

SOIL-CUTTINGS

Tot Ion: 70 Resp: 167363

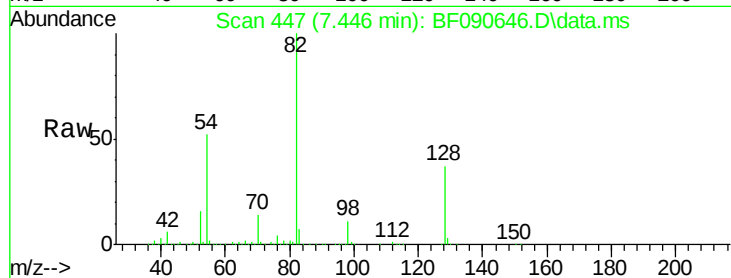
Ion Ratio Lower Upper

70 100

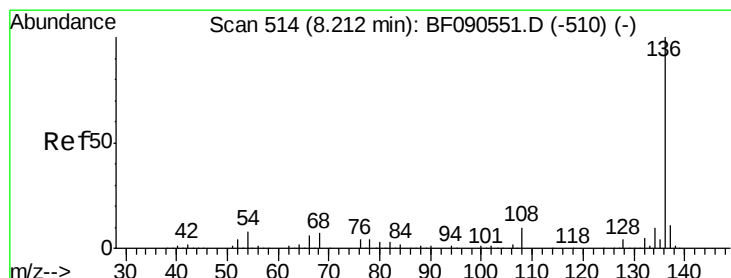
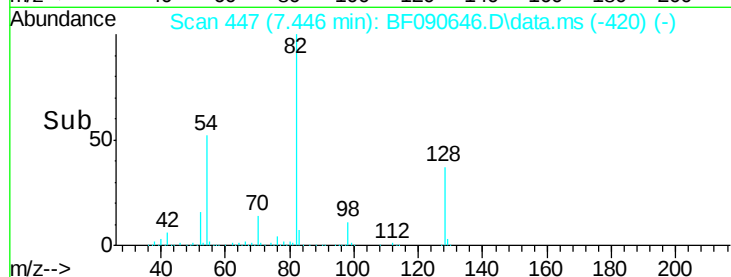
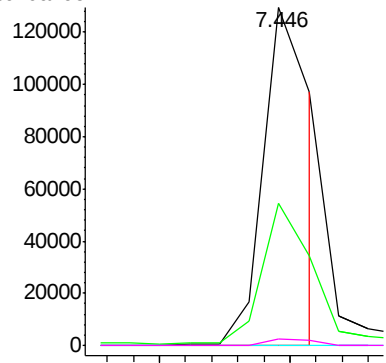
42 42.0 43.4 65.0#

101 0.0 6.4 9.6#

130 1.8 12.1 18.1#



Abundance



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.177 min Scan# 511

Delta R.T. -0.023 min

Lab File: BF090646.D

Acq: 19 Oct 2016 14:36

Tgt Ion:136 Resp: 1026418

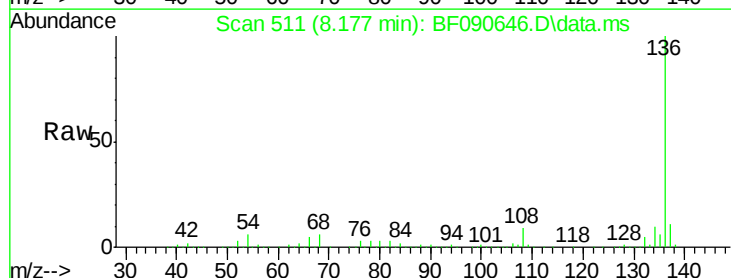
Ion Ratio Lower Upper

136 100

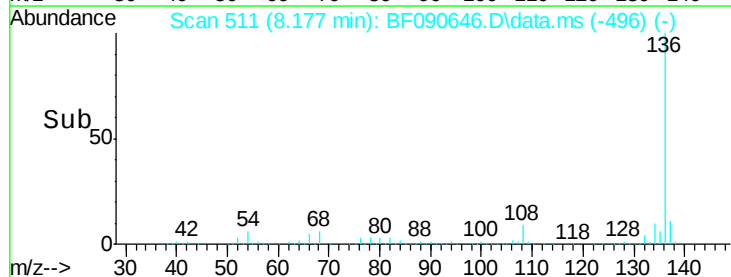
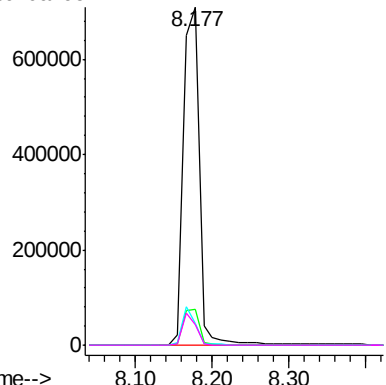
137 10.7 8.8 13.2

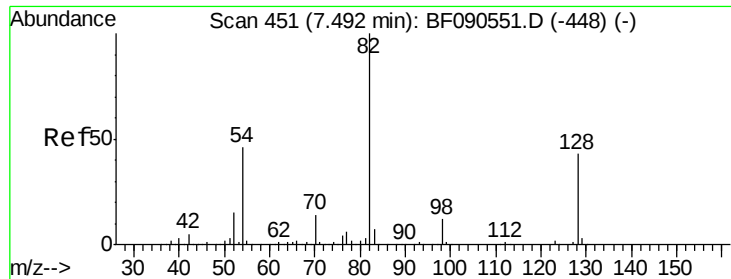
54 6.5 6.8 10.2#

68 6.0 6.0 9.0



Abundance

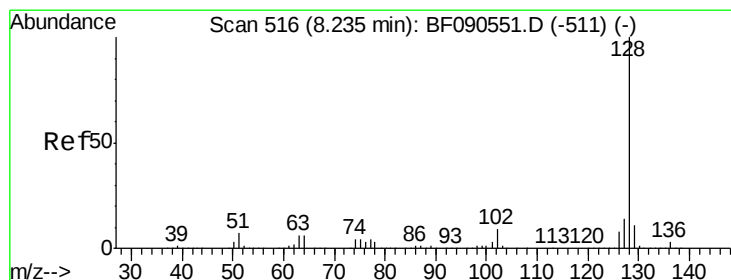
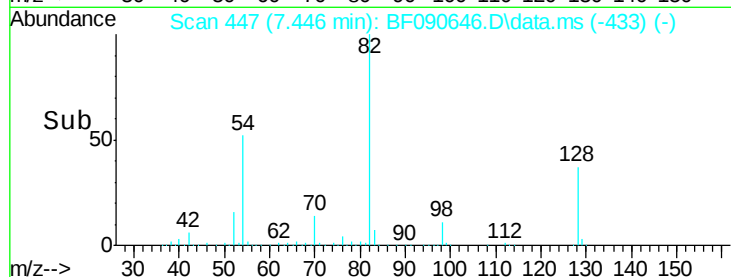
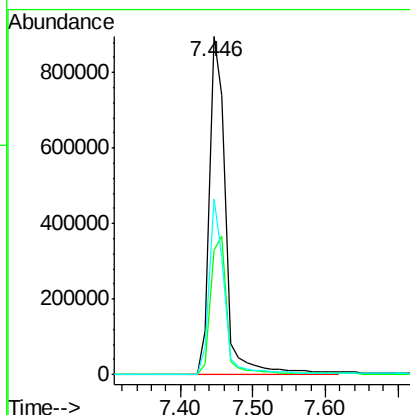
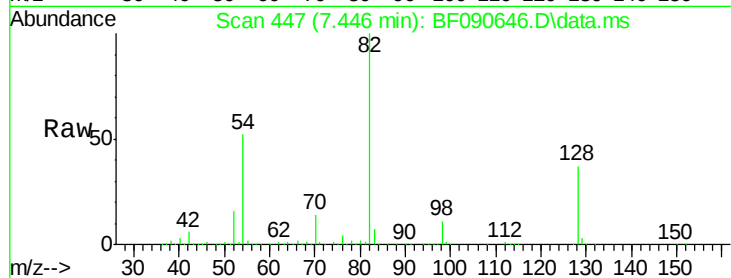




#23
 Nitrobenzene-d5
 Concen: 75.48 ng
 RT: 7.446 min Scan# 44
 Delta R.T. -0.034 min
 Lab File: BF090646.D
 Acq: 19 Oct 2016 14:36

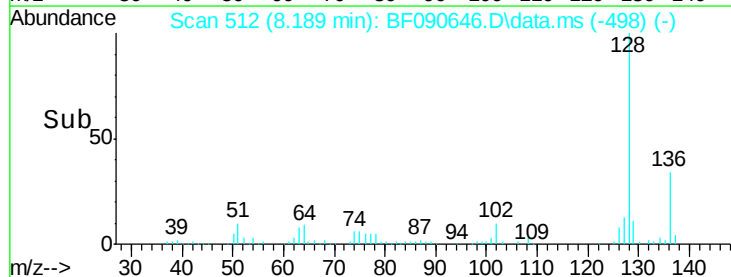
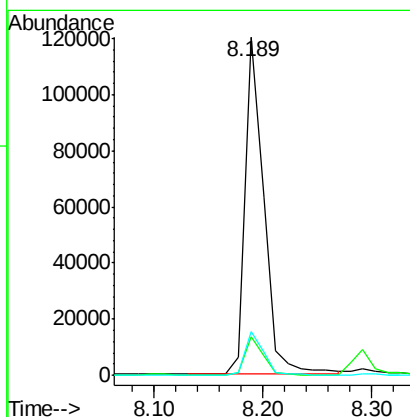
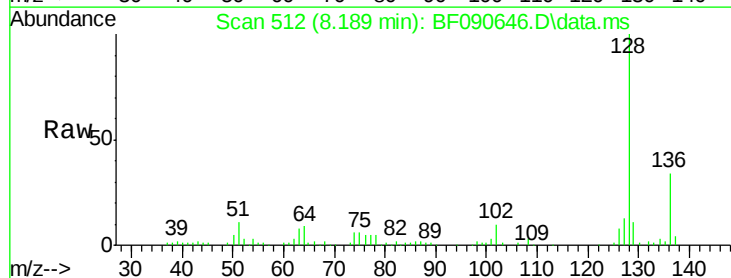
Instrument :
 BNA_F
 ClientSampleId :
 SOIL-CUTTINGS

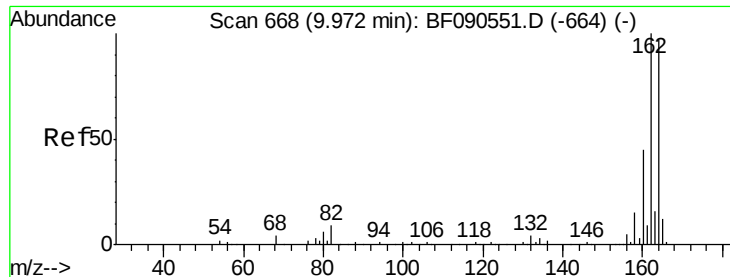
Tot Ion: 82 Resp: 1394698
 Ion Ratio Lower Upper
 82 100
 128 36.7 34.3 51.5
 54 51.8 37.0 55.6



#31
 Naphthalene
 Concen: 2.72 ng
 RT: 8.189 min Scan# 512
 Delta R.T. -0.034 min
 Lab File: BF090646.D
 Acq: 19 Oct 2016 14:36

Tgt Ion: 128 Resp: 142358
 Ion Ratio Lower Upper
 128 100
 129 11.4 9.0 13.6
 127 12.9 10.8 16.2





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.926 min Scan# 66

Delta R.T. -0.034 min

Lab File: BF090646.D

Acq: 19 Oct 2016 14:36

Instrument :

BNA_F

ClientSampleId :

SOIL-CUTTINGS

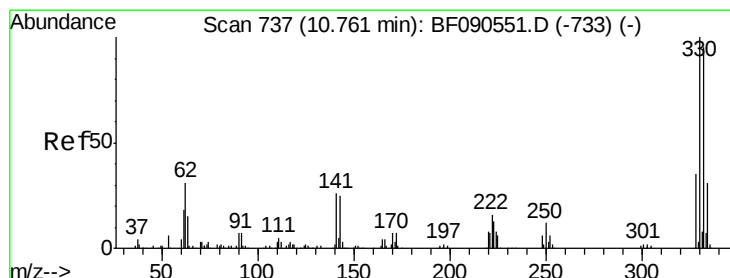
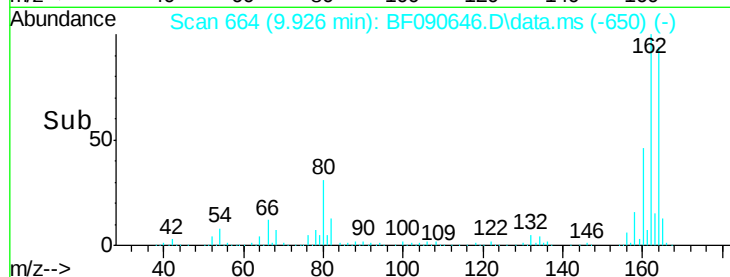
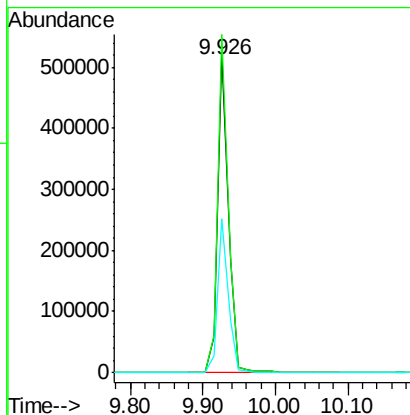
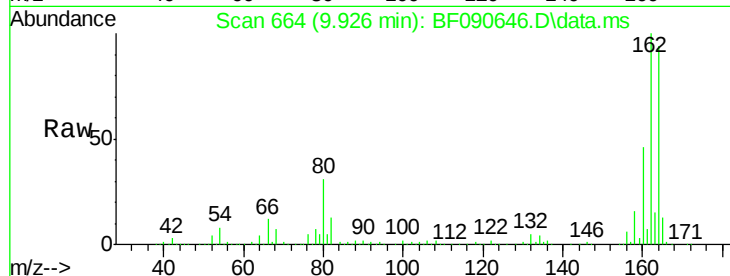
Tot Ion:164 Resp: 540828

Ion Ratio Lower Upper

164 100

162 106.2 82.2 123.4

160 48.5 36.6 55.0



#41

2,4,6-Tribromophenol

Concen: 125.03 ng

RT: 10.726 min Scan# 734

Delta R.T. -0.023 min

Lab File: BF090646.D

Acq: 19 Oct 2016 14:36

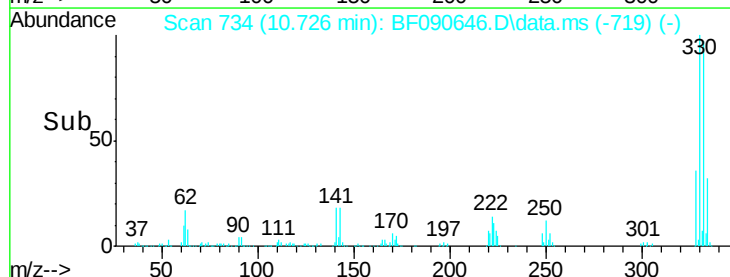
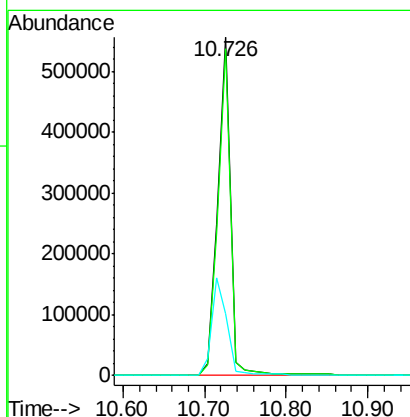
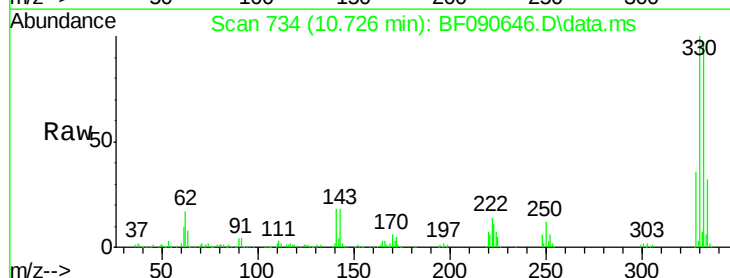
Tgt Ion:330 Resp: 602868

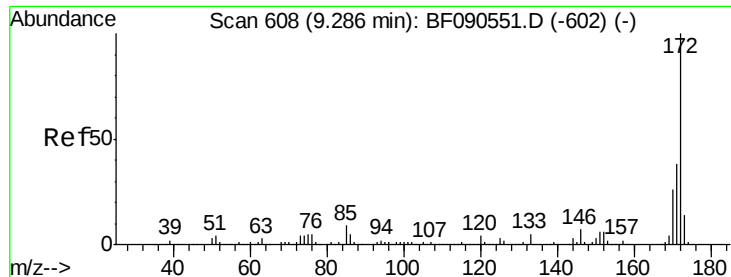
Ion Ratio Lower Upper

330 100

332 96.0 76.2 114.2

141 35.8 31.4 47.2



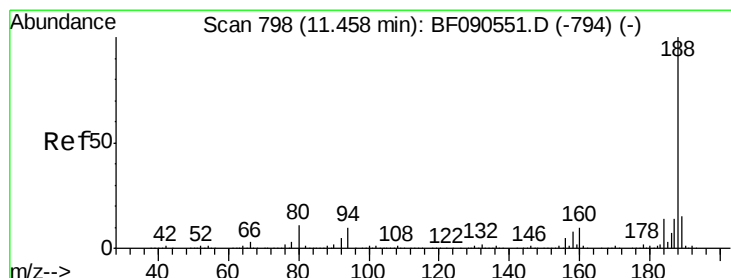
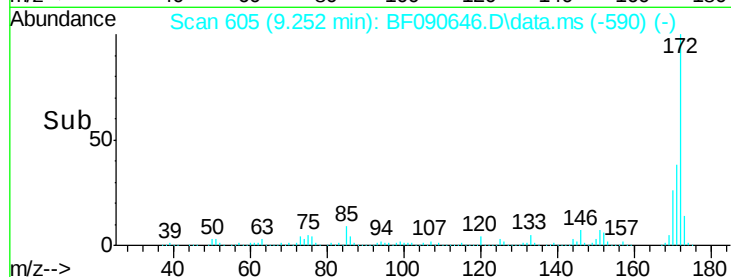
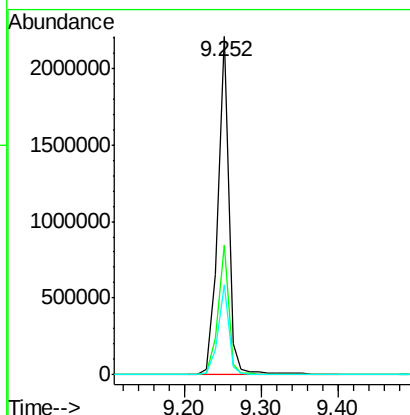
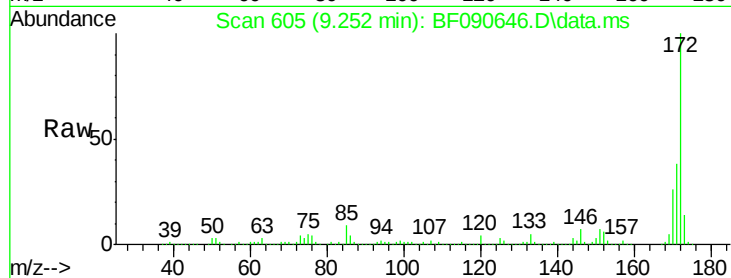


#44
 2-Fluorobiphenyl
 Concen: 67.27 ng
 RT: 9.252 min Scan# 60
 Delta R.T. -0.023 min
 Lab File: BF090646.D
 Acq: 19 Oct 2016 14:36

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-CUTTINGS

Tot Ion:172 Resp: 2207998

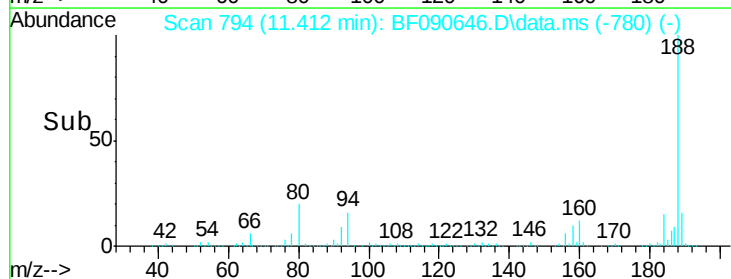
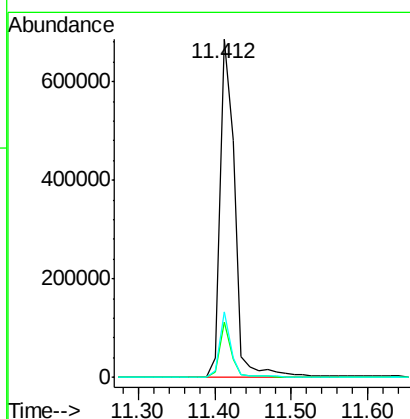
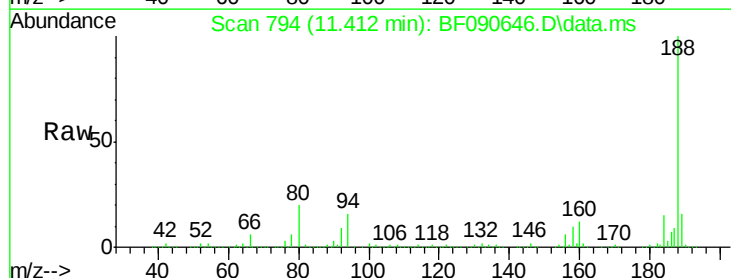
Ion	Ratio	Lower	Upper
172	100		
171	38.2	30.1	45.1
170	26.4	20.6	30.8

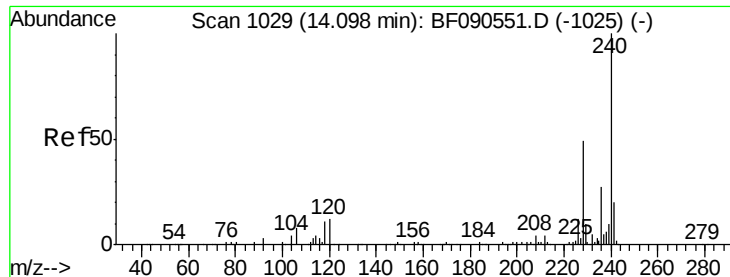


#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.412 min Scan# 794
 Delta R.T. -0.034 min
 Lab File: BF090646.D
 Acq: 19 Oct 2016 14:36

Tgt Ion:188 Resp: 919119

Ion	Ratio	Lower	Upper
188	100		
94	16.5	7.7	11.5#
80	19.5	8.6	12.8#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.064 min Scan# 10

Delta R.T. -0.023 min

Lab File: BF090646.D

Acq: 19 Oct 2016 14:36

Instrument :

BNA_F

ClientSampleId :

SOIL-CUTTINGS

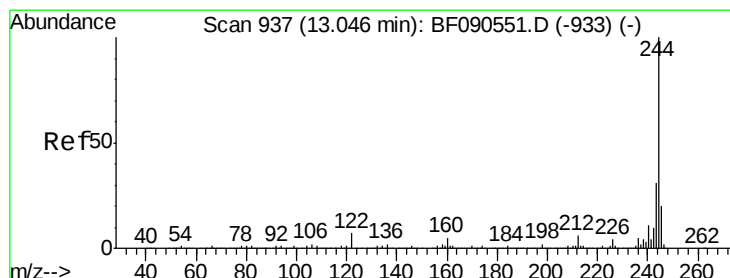
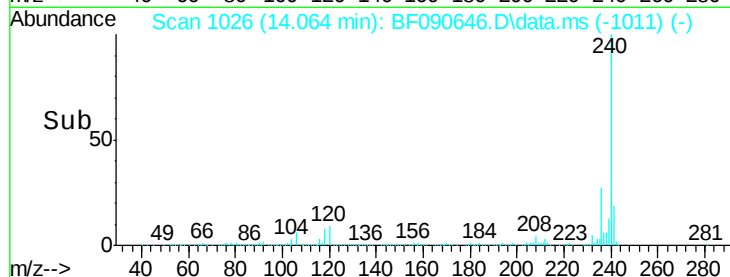
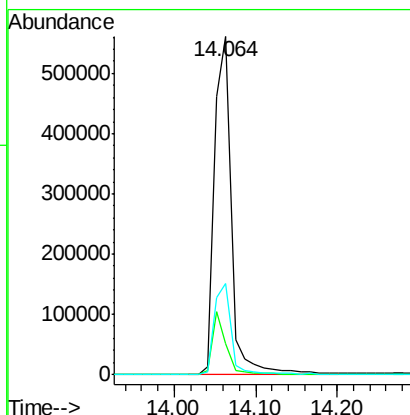
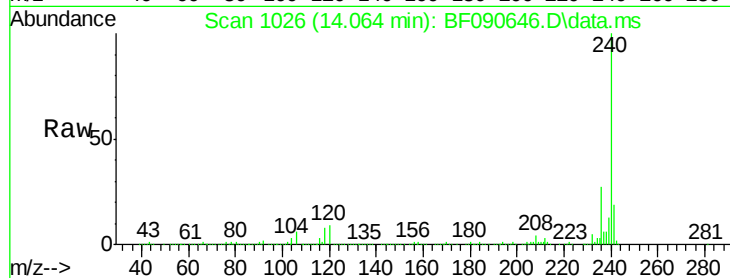
Tot Ion:240 Resp: 813451

Ion Ratio Lower Upper

240 100

120 9.0 9.8 14.8#

236 27.1 21.7 32.5



#78

Terphenyl-d14

Concen: 76.18 ng

RT: 13.012 min Scan# 934

Delta R.T. -0.023 min

Lab File: BF090646.D

Acq: 19 Oct 2016 14:36

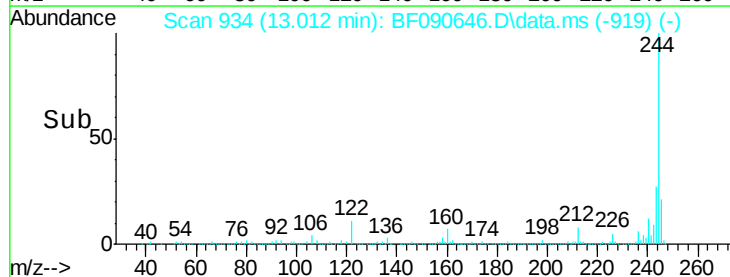
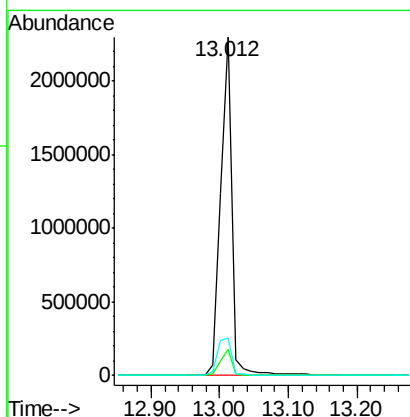
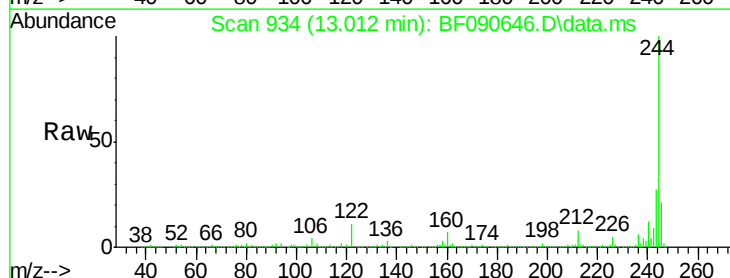
Tgt Ion:244 Resp: 2661365

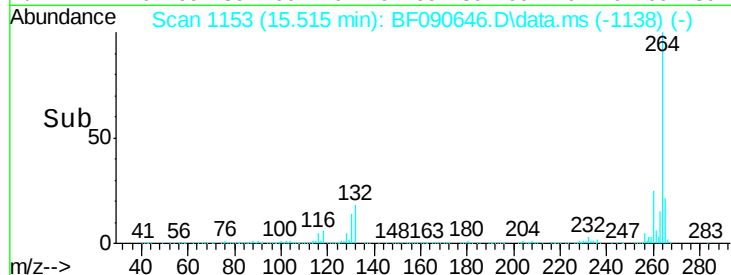
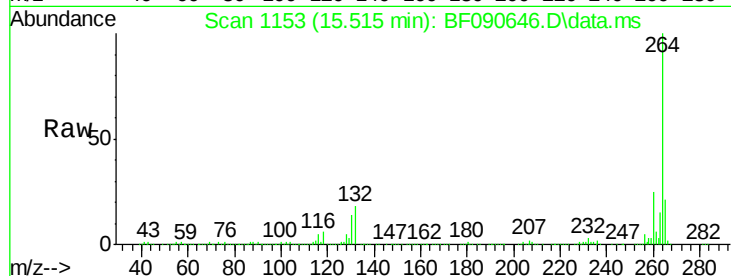
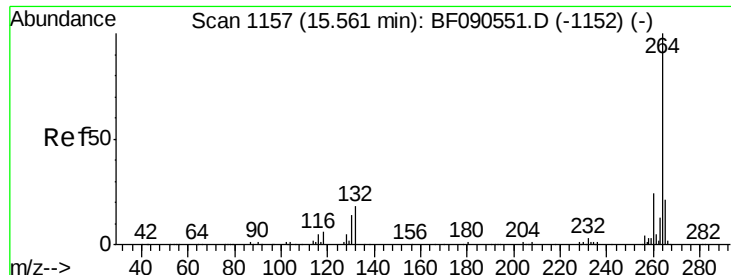
Ion Ratio Lower Upper

244 100

212 7.6 5.0 7.4#

122 10.8 5.6 8.4#





#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.515 min Scan# 11
Delta R.T. -0.023 min
Lab File: BF090646.D
Acq: 19 Oct 2016 14:36

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.3	19.3	28.9
265	21.2	16.7	25.1

Instrument :
BNA_F
ClientSampleId :
SOIL-CUTTINGS

