

Data Path : Z:\HPCHEM1\BNA F\Data\BF101916\
 Data File : BF090647.D
 Acq On : 19 Oct 2016 15:04
 Operator : UM/SJ
 Sample : H5291-01MS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-CUTTINGSMS

Quant Time: Oct 19 15:43:04 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	248317	20.00	ng	-0.02
21) Naphthalene-d8	8.178	136	1157433	20.00	ng	-0.02
38) Acenaphthene-d10	9.938	164	638034	20.00	ng	-0.02
63) Phenanthrene-d10	11.424	188	1052589	20.00	ng	-0.02
75) Chrysene-d12	14.064	240	904796	20.00	ng	-0.02
86) Perylene-d12	15.515	264	652107	20.00	ng	-0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.514	112	1619689	119.58	ng	0.00
7) Phenol-d6	6.532	99	1988290	98.79	ng	-0.01
23) Nitrobenzene-d5	7.457	82	1440589	69.14	ng	-0.02
41) 2,4,6-Tribromophenol	10.726	330	597386	105.02	ng	-0.02
44) 2-Fluorobiphenyl	9.252	172	2481522	64.08	ng	-0.02
78) Terphenyl-d14	13.012	244	2819129	72.55	ng	-0.02

Target Compounds

						Qvalue
4) n-Nitrosodimethylamine	3.320	42	240780	40.24	ng	90
6) Aniline	6.555	93	464231	19.09	ng	# 76
8) 2-Chlorophenol	6.680	128	691530	39.37	ng	87
9) Benzaldehyde	6.440	77	84939	6.64	ng	98
10) Phenol	6.543	94	748575	32.52	ng	99
11) bis(2-Chloroethyl)ether	6.623	93	709391	37.35	ng	93
12) 1,3-Dichlorobenzene	6.829	146	618455	35.31	ng	98
13) 1,4-Dichlorobenzene	6.909	146	639894	33.59	ng	99
14) 1,2-Dichlorobenzene	7.057	146	608994	34.20	ng	99
15) Benzyl Alcohol	7.035	79	574485	41.91	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.172	45	942245	35.25	ng	93
17) 2-Methylphenol	7.149	107	538860	39.37	ng	97
18) Hexachloroethane	7.400	117	248316	32.98	ng	98
19) n-Nitroso-di-n-propyla...	7.309	70	554043	40.15	ng	# 91
20) 3+4-Methylphenols	7.309	107	685002	41.28	ng	# 78
22) Acetophenone	7.297	105	946696	37.02	ng	# 93
24) Nitrobenzene	7.469	77	741922	34.70	ng	98
25) Isophorone	7.720	82	1482146	39.08	ng	# 93
26) 2-Nitrophenol	7.789	139	342194	35.27	ng	97
27) 2,4-Dimethylphenol	7.835	122	632333	39.28	ng	100
28) bis(2-Chloroethoxy)met...	7.926	93	910392	40.66	ng	100
29) 2,4-Dichlorophenol	8.040	162	535645	37.99	ng	98
30) 1,2,4-Trichlorobenzene	8.120	180	565629	34.25	ng	99
31) Naphthalene	8.200	128	2100877	35.63	ng	99
32) Benzoic acid	7.972	122	344838	34.88	ng	99
33) 4-Chloroaniline	8.246	127	271872	12.06	ng	98
34) Hexachlorobutadiene	8.315	225	289836	31.41	ng	99
35) Caprolactam	8.680	113	35430	9.00	ng	93
36) 4-Chloro-3-methylphenol	8.738	107	620096	38.11	ng	92
37) 2-Methylnaphthalene	8.886	142	1240160	35.81	ng	99
39) 1,2,4,5-Tetrachloroben...	9.058	216	580366	34.31	ng	99
40) Hexachlorocyclopentadiene	9.046	237	577676	69.90	ng	99
42) 2,4,6-Trichlorophenol	9.172	196	399100	41.82	ng	98
43) 2,4,5-Trichlorophenol	9.218	196	383373	33.68	ng	97

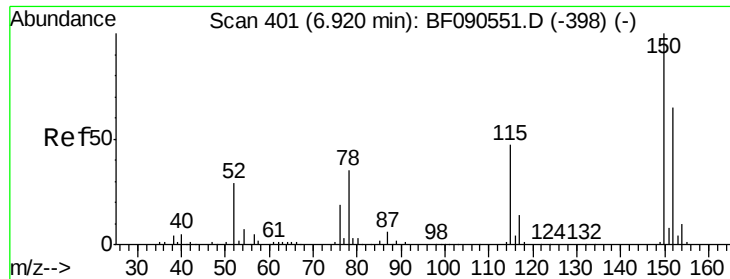
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1'-Biphenyl	9.355	154	1551334	31.95	nq	98
46) 2-Chloronaphthalene	9.378	162	1188531	32.83	nq	99
47) 2-Nitroaniline	9.481	65	487918	37.18	nq	99
48) Acenaphthylene	9.801	152	2007284	34.82	nq	99
49) Dimethylphthalate	9.663	163	1561066	37.71	nq	# 99
50) 2,6-Dinitrotoluene	9.721	165	326537	36.05	nq	# 80
51) Acenaphthene	9.972	154	1418971	37.03	nq	100
52) 3-Nitroaniline	9.892	138	185691	16.34	nq	97
53) 2,4-Dinitrophenol	9.995	184	314551	65.10	nq	# 70
54) Dibenzofuran	10.143	168	1803274	35.78	nq	97
55) 4-Nitrophenol	10.063	139	485556	70.98	nq	90
56) 2,4-Dinitrotoluene	10.132	165	460583	37.43	nq	# 81
57) Fluorene	10.486	166	1407685	33.86	nq	100
58) 2,3,4,6-Tetrachlorophenol	10.258	232	340735	35.94	nq	95
59) Diethylphthalate	10.361	149	1475155	35.14	nq	96
60) 4-Chlorophenyl-phenyle...	10.475	204	657365	33.54	nq	98
61) 4-Nitroaniline	10.509	138	322713	28.31	nq	95
62) Azobenzene	10.635	77	1520743	31.31	nq	99
64) 4,6-Dinitro-2-methylph...	10.532	198	211863	33.26	nq	73
65) n-Nitrosodiphenylamine	10.601	169	1217207	35.01	nq	99
66) 4-Bromophenyl-phenylether	10.966	248	411924	36.47	nq	97
67) Hexachlorobenzene	11.035	284	485155	39.56	nq	# 69
68) Atrazine	11.126	200	360815	37.52	nq	97
69) Pentachlorophenol	11.229	266	525735	86.50	nq	97
70) Phenanthrene	11.446	178	1877072	33.41	nq	99
71) Anthracene	11.504	178	2118146	35.03	nq	99
72) Carbazole	11.652	167	1769542	32.69	nq	99
73) Di-n-butylphthalate	11.984	149	2235803	35.25	nq	# 98
74) Fluoranthene	12.635	202	2061528	36.48	nq	97
76) Benzidine	12.761	184	526059	23.37	nq	96
77) Pyrene	12.864	202	1976026	32.97	nq	99
79) Butylbenzylphthalate	13.481	149	960939	36.19	nq	92
80) Benzo(a)anthracene	14.052	228	1840927	35.74	nq	100
81) 3,3'-Dichlorobenzidine	14.018	252	413432	23.49	nq	99
82) Chrysene	14.098	228	1863043	37.54	nq	99
83) Bis(2-ethylhexyl)phtha...	14.041	149	1358834	37.94	nq	# 99
84) Di-n-octyl phthalate	14.658	149	2378127	49.52	nq	99
85) Indeno(1,2,3-cd)pyrene	16.956	276	1261466	43.96	nq	99
87) Benzo(b)fluoranthene	15.127	252	3107100	72.81	nq	# 96
88) Benzo(k)fluoranthene	15.127	252	3120255	67.96	nq	99
89) Benzo(a)pyrene	15.458	252	1398165	35.79	nq	# 96
90) Dibenzo(a,h)anthracene	16.967	278	1076551	36.14	nq	99
91) Benzo(g,h,i)perylene	17.378	276	1003567	35.33	nq	97

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.886 min Scan# 39

Delta R.T. -0.023 min

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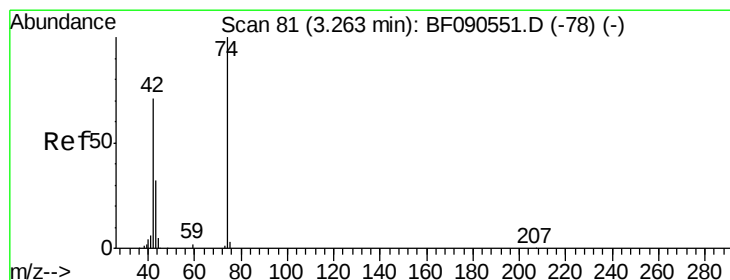
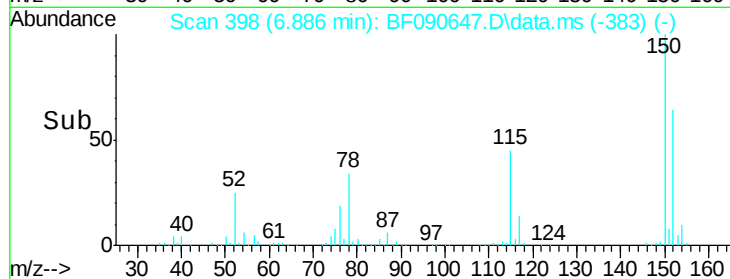
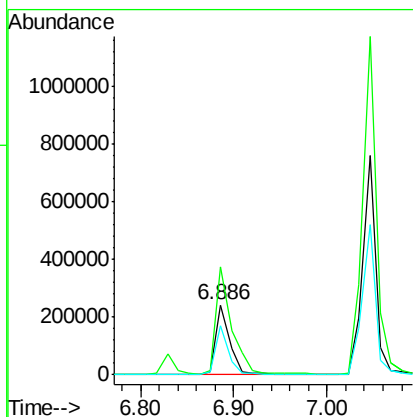
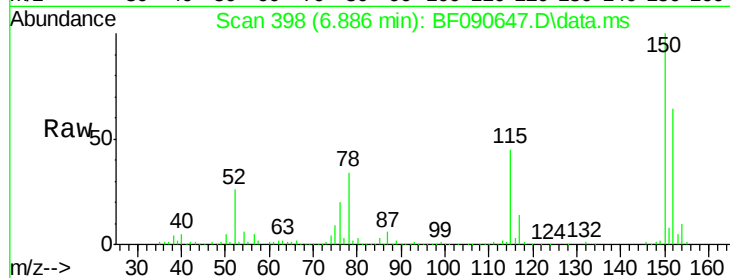
Tot Ion:152 Resp: 248317

Ion Ratio Lower Upper

152 100

150 155.3 127.2 190.8

115 70.4 58.6 88.0



#4

n-Nitrosodimethylamine

Concen: 40.24 ng

RT: 3.320 min Scan# 86

Delta R.T. 0.091 min

Lab File: BF090647.D

Acq: 19 Oct 2016 15:04

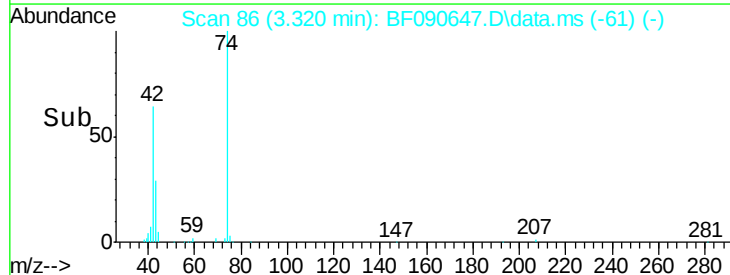
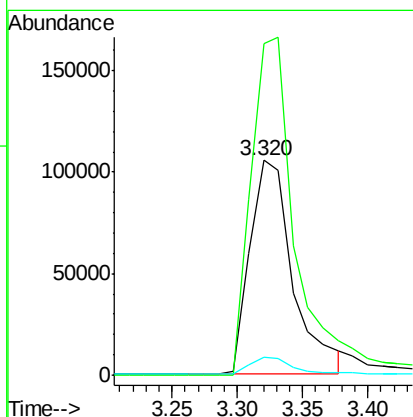
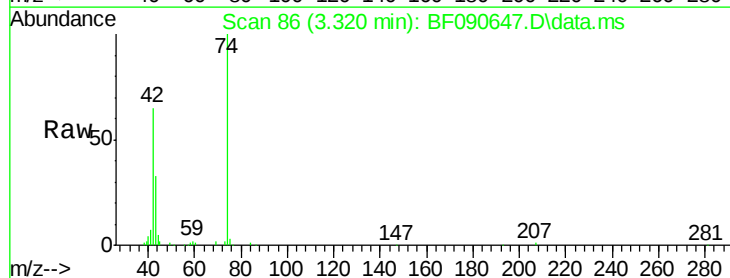
Tgt Ion: 42 Resp: 240780

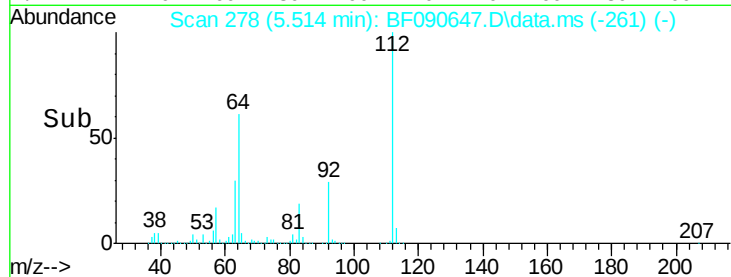
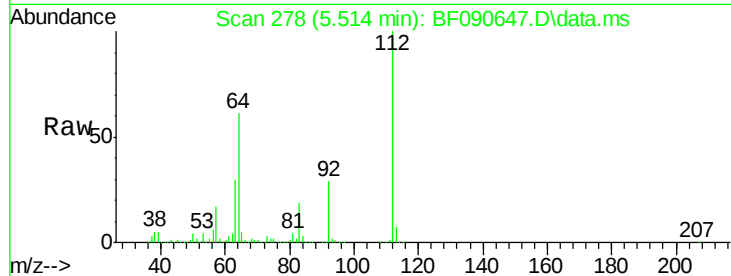
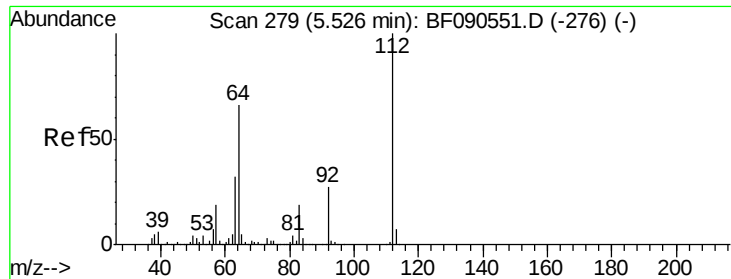
Ion Ratio Lower Upper

42 100

74 154.4 113.3 169.9

44 8.3 6.0 9.0





#5

2-Fluorophenol

Concen: 119.58 ng

RT: 5.514 min Scan# 27

Delta R.T. 0.000 min

Lab File: BF090647.D

Acq: 19 Oct 2016 15:04

Instrument :

BNA_F

ClientSampleId :

SOIL-CUTTINGSMS

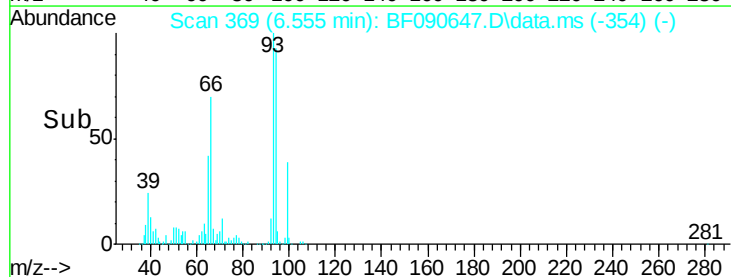
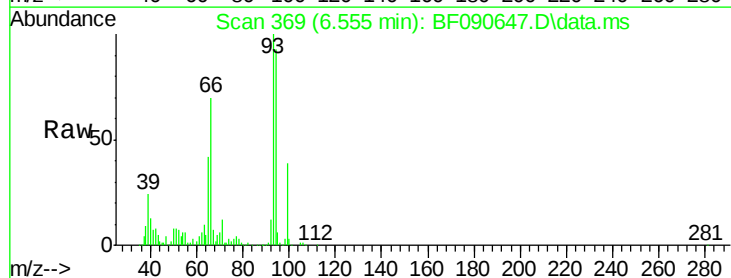
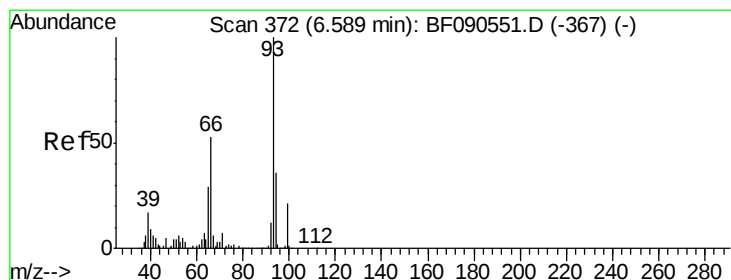
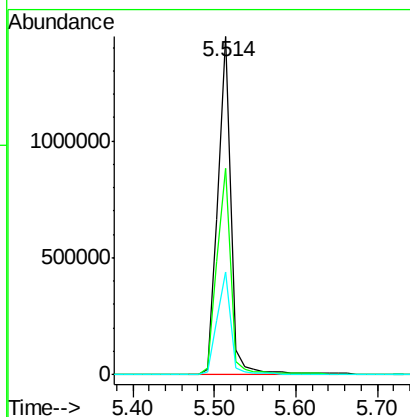
Tot Ion:112 Resp: 1619689

Ion Ratio Lower Upper

112 100

64 60.9 52.6 78.8

63 30.3 26.0 39.0



#6

Aniline

Concen: 19.09 ng

RT: 6.555 min Scan# 369

Delta R.T. -0.023 min

Lab File: BF090647.D

Acq: 19 Oct 2016 15:04

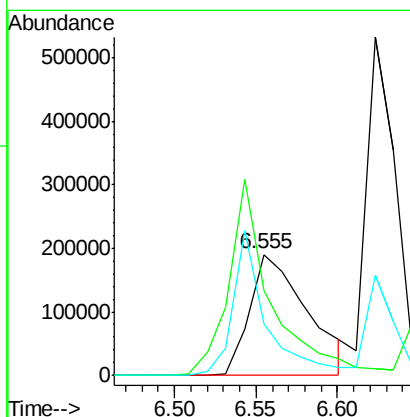
Tgt Ion: 93 Resp: 464231

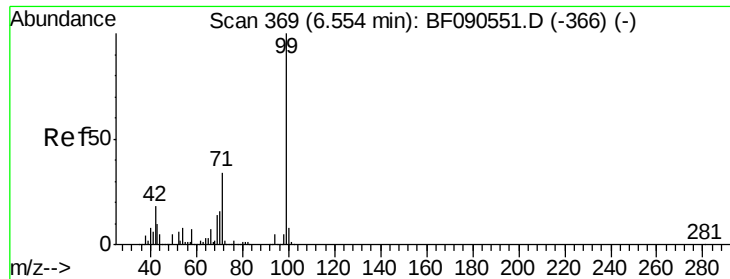
Ion Ratio Lower Upper

93 100

66 69.8 42.2 63.2#

65 41.9 22.9 34.3#





#7

Phenol-d6

Concen: 98.79 ng

RT: 6.532 min Scan# 36

Delta R.T. -0.011 min

Lab File: BF090647.D

Acq: 19 Oct 2016 15:04

Instrument :

BNA_F

ClientSampleId :

SOIL-CUTTINGSMS

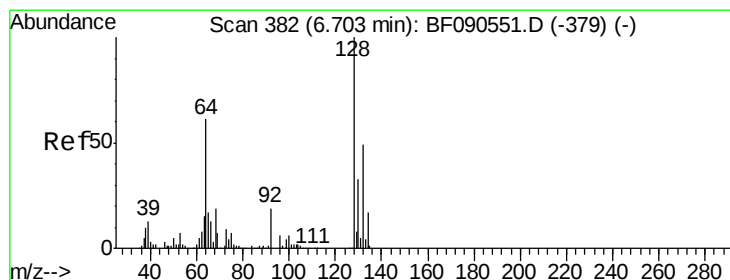
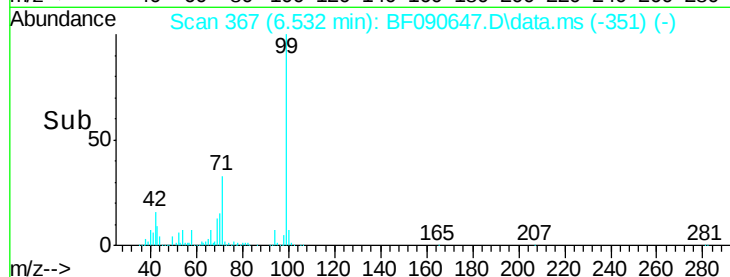
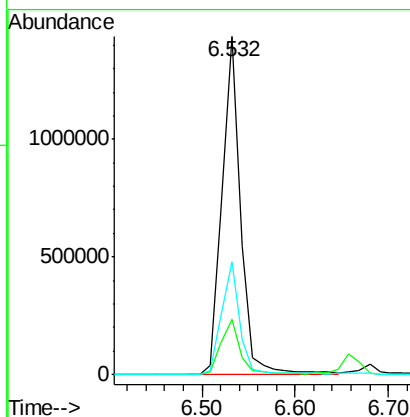
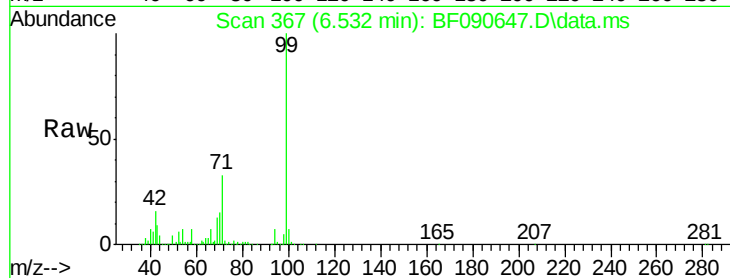
Tot Ion: 99 Resp: 1988290

Ion Ratio Lower Upper

99 100

42 16.3 14.7 22.1

71 33.2 27.6 41.4



#8

2-Chlorophenol

Concen: 39.37 ng

RT: 6.680 min Scan# 380

Delta R.T. -0.011 min

Lab File: BF090647.D

Acq: 19 Oct 2016 15:04

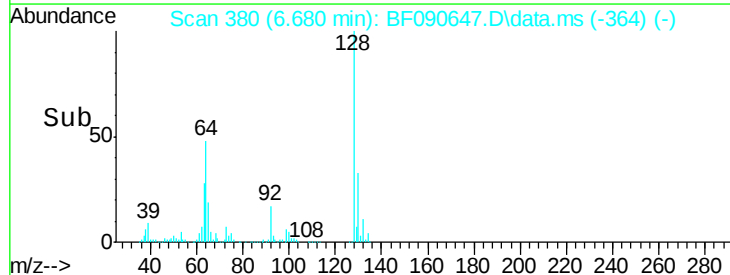
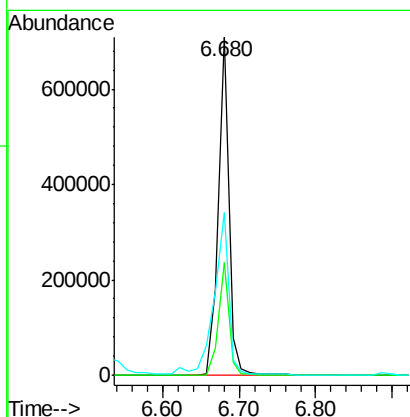
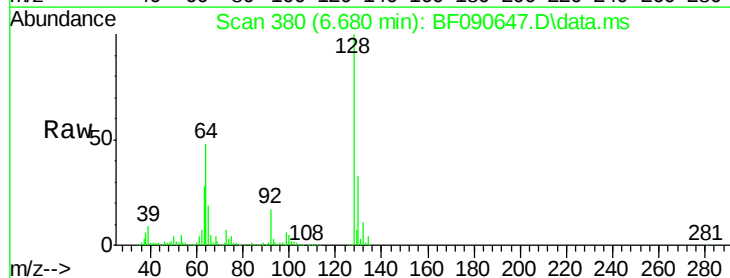
Tgt Ion: 128 Resp: 691530

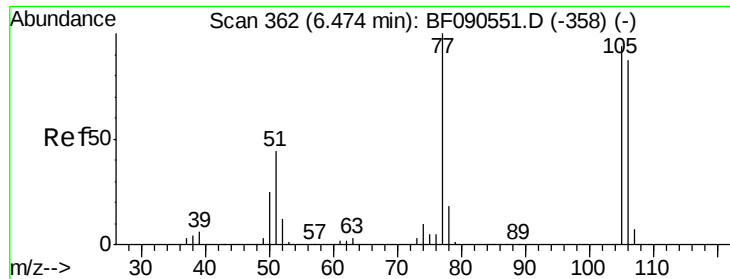
Ion Ratio Lower Upper

128 100

130 33.3 12.6 52.6

64 48.2 42.6 82.6





#9

Benzaldehyde

Concen: 6.64 ng

RT: 6.440 min Scan# 35

Delta R.T. -0.011 min

Lab File: BF090647.D

Acq: 19 Oct 2016 15:04

Instrument :

BNA_F

ClientSampleId :

SOIL-CUTTINGSMS

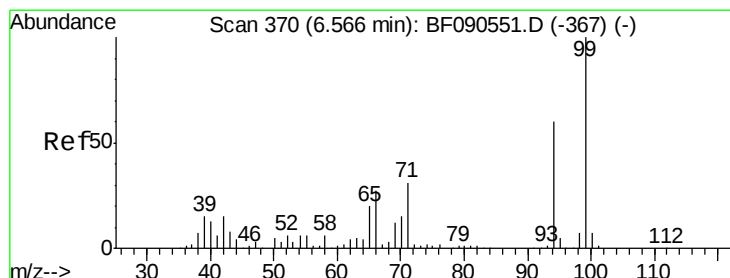
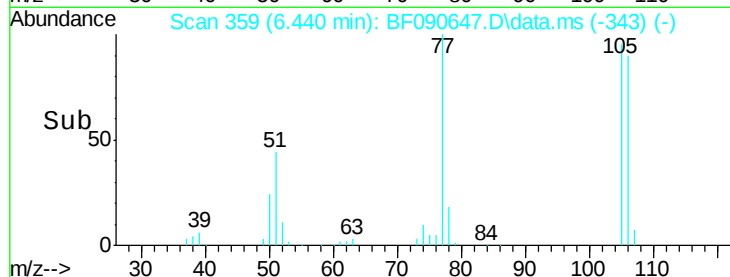
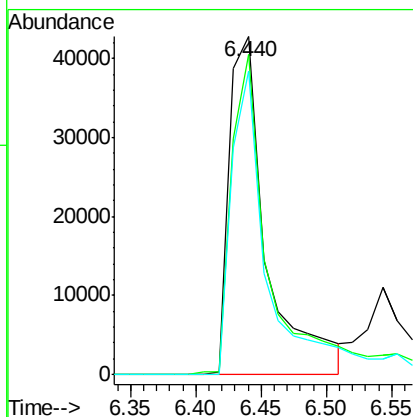
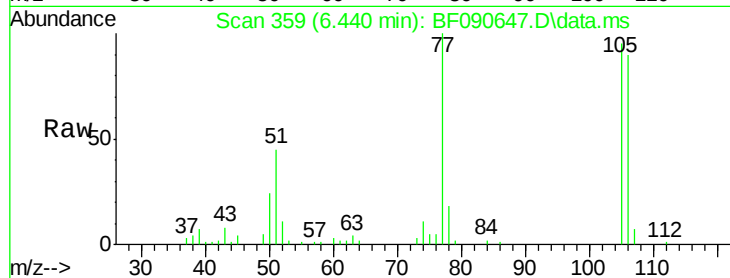
Tot Ion: 77 Resp: 84939

Ion Ratio Lower Upper

77 100

105 94.8 74.3 114.3

106 89.9 67.2 107.2



#10

Phenol

Concen: 32.52 ng

RT: 6.543 min Scan# 368

Delta R.T. -0.023 min

Lab File: BF090647.D

Acq: 19 Oct 2016 15:04

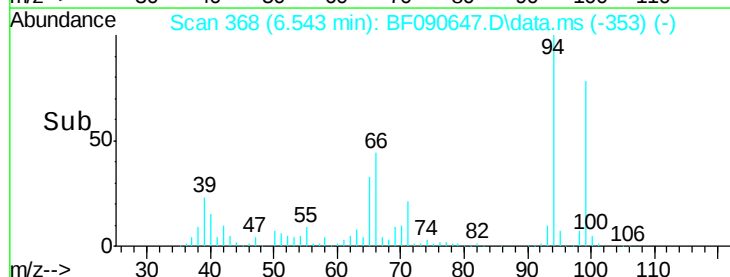
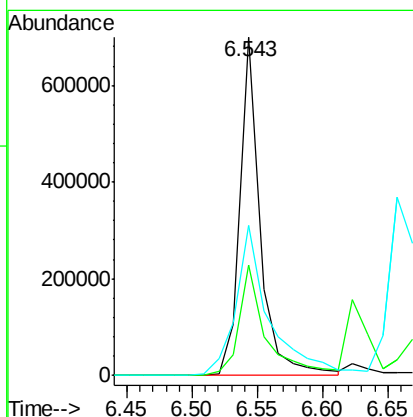
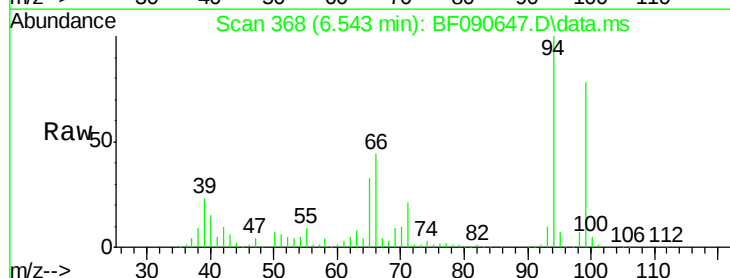
Tgt Ion: 94 Resp: 748575

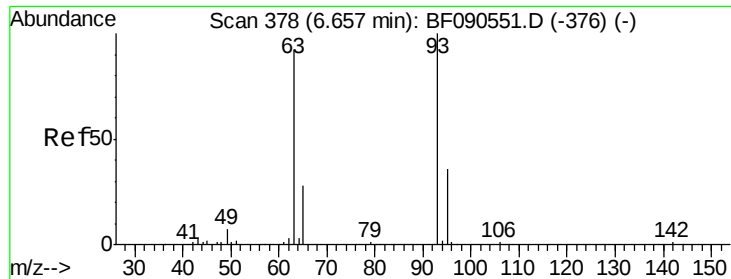
Ion Ratio Lower Upper

94 100

65 32.6 12.5 52.5

66 44.2 25.5 65.5

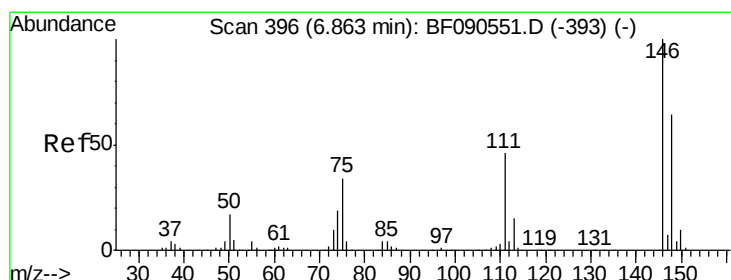
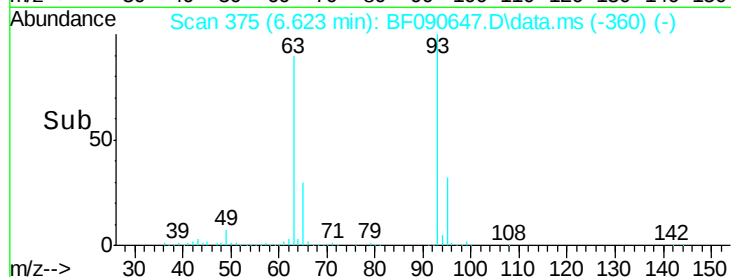
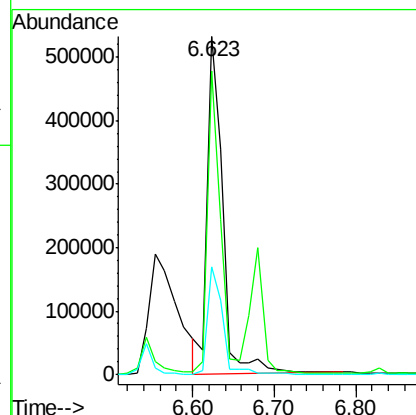
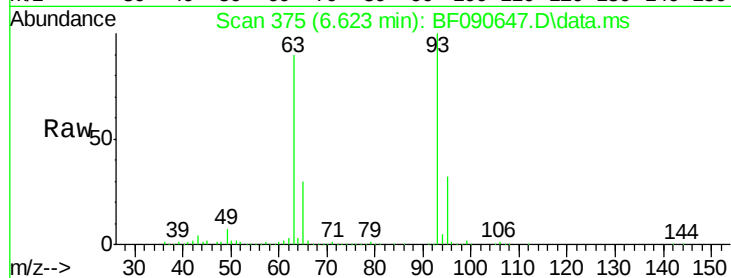




#11
bis(2-Chloroethyl)ether
Concen: 37.35 ng
RT: 6.623 min Scan# 37
Delta R.T. -0.023 min
Lab File: BF090647.D
Acq: 19 Oct 2016 15:04

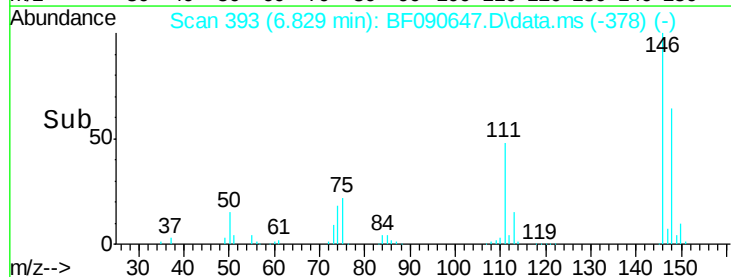
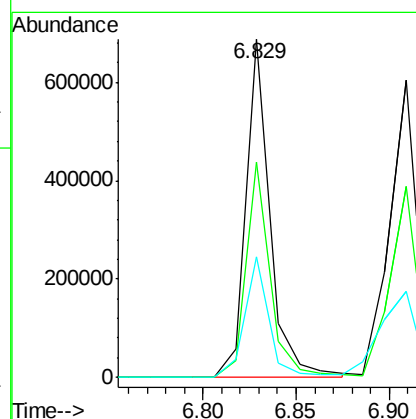
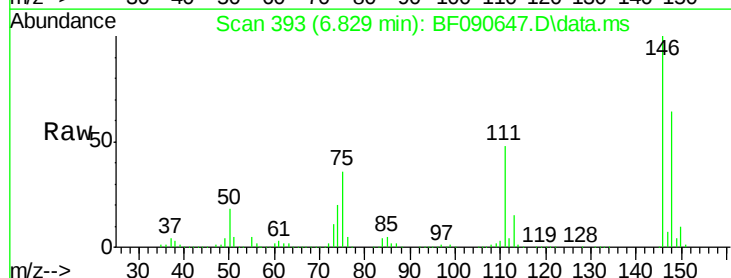
Instrument :
BNA_F
ClientSampleId :
SOIL-CUTTINGSMS

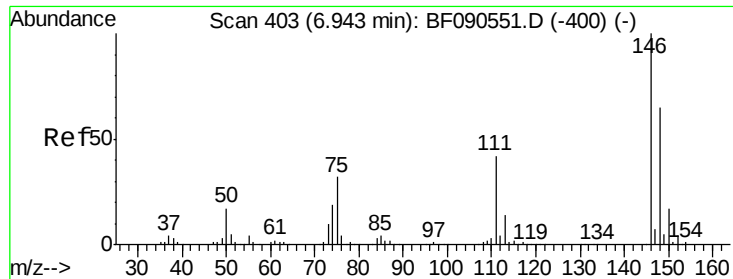
Tot Ion: 93 Resp: 709391
Ion Ratio Lower Upper
93 100
63 89.8 61.6 101.6
95 31.9 11.8 51.8



#12
1,3-Dichlorobenzene
Concen: 35.31 ng
RT: 6.829 min Scan# 393
Delta R.T. -0.023 min
Lab File: BF090647.D
Acq: 19 Oct 2016 15:04

Tgt Ion: 146 Resp: 618455
Ion Ratio Lower Upper
146 100
148 63.6 51.4 77.2
75 35.5 27.0 40.6

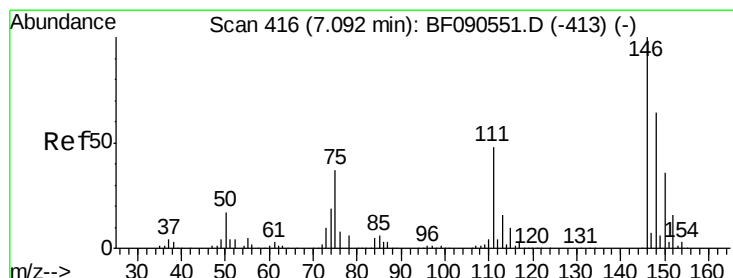
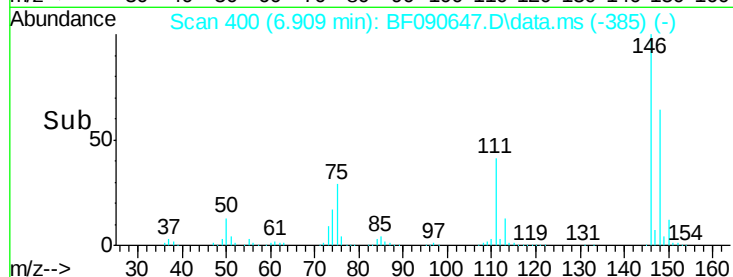
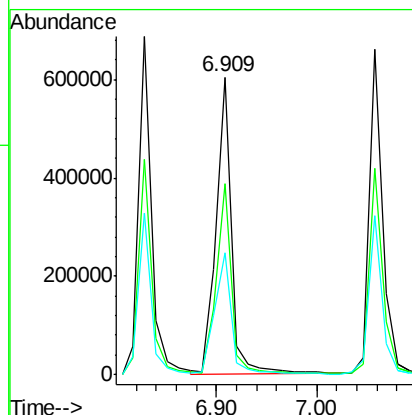
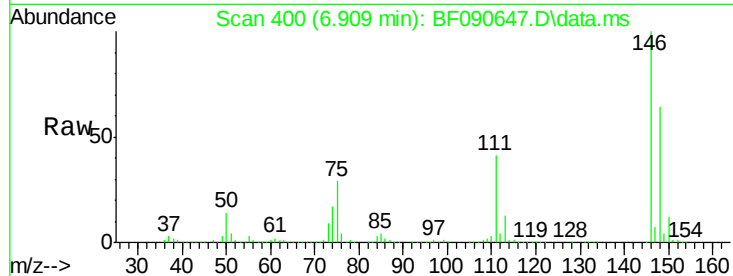




#13
 1,4-Dichlorobenzene
 Concen: 33.59 ng
 RT: 6.909 min Scan# 40
 Delta R.T. -0.023 min
 Lab File: BF090647.D
 Acq: 19 Oct 2016 15:04

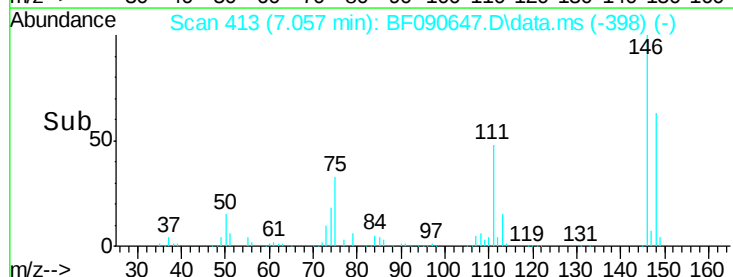
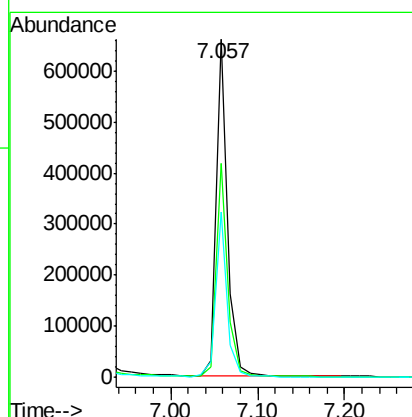
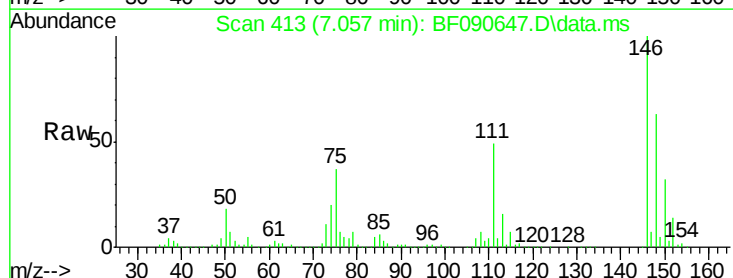
Instrument :
 BNA_F
 ClientSampleId :
 SOIL-CUTTINGSMS

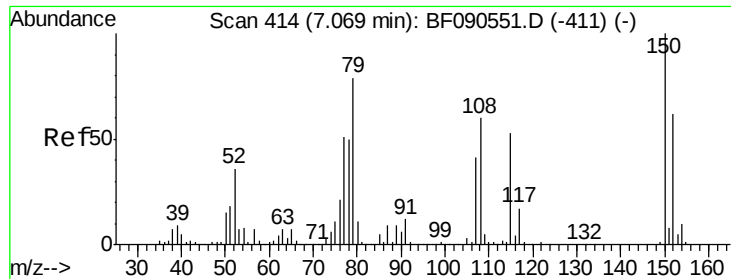
Tot Ion:146 Resp: 639894
 Ion Ratio Lower Upper
 146 100
 148 64.1 51.9 77.9
 111 40.9 33.7 50.5



#14
 1,2-Dichlorobenzene
 Concen: 34.20 ng
 RT: 7.057 min Scan# 413
 Delta R.T. -0.023 min
 Lab File: BF090647.D
 Acq: 19 Oct 2016 15:04

Tgt Ion:146 Resp: 608994
 Ion Ratio Lower Upper
 146 100
 148 63.4 51.2 76.8
 111 48.9 38.2 57.2

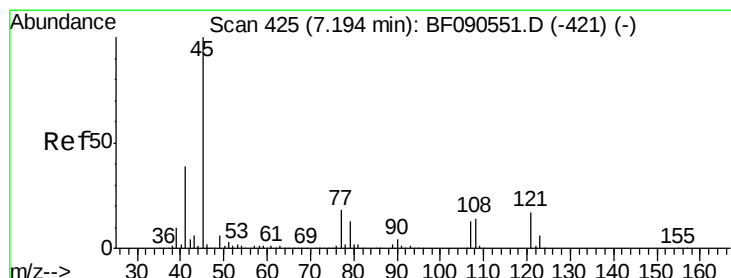
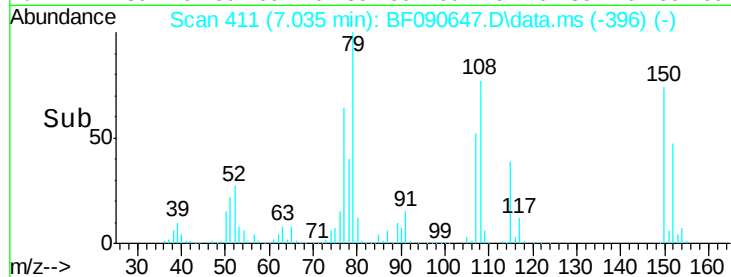
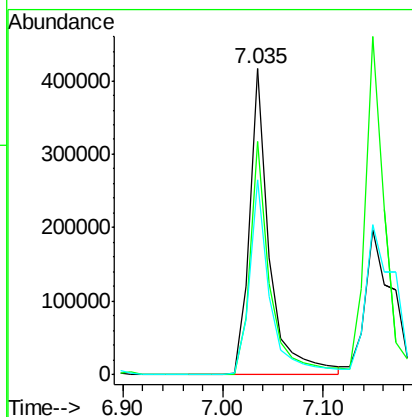
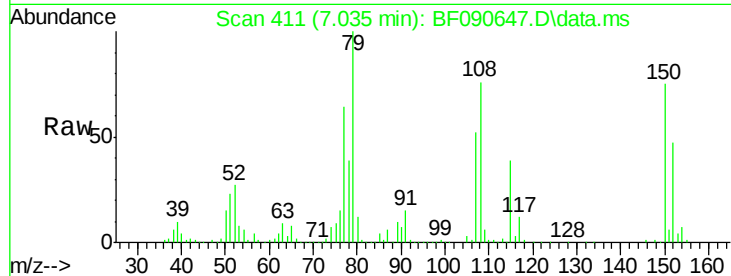




#15
Benzyl Alcohol
Concen: 41.91 ng
RT: 7.035 min Scan# 41
Delta R.T. -0.023 min
Lab File: BF090647.D
Acq: 19 Oct 2016 15:04

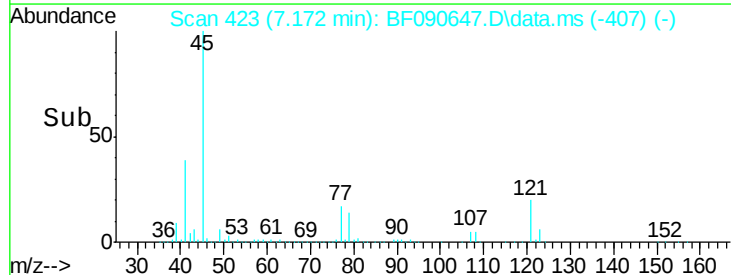
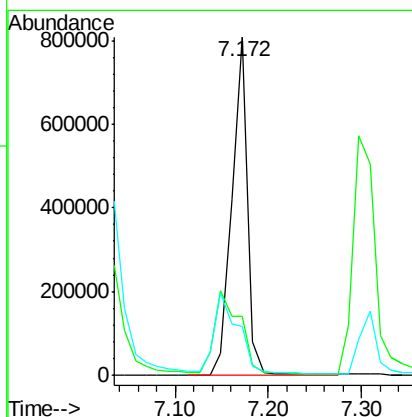
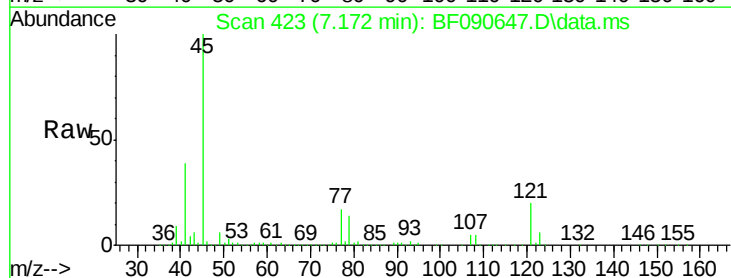
Instrument :
BNA_F
ClientSampleId :
SOIL-CUTTINGSMS

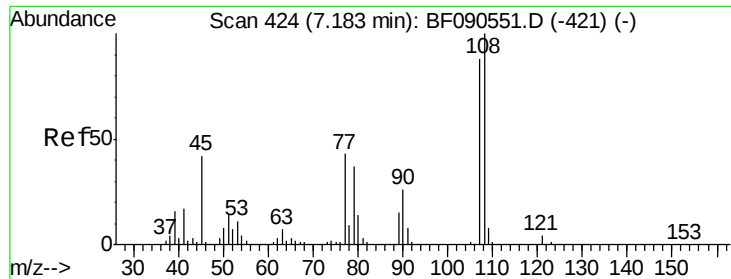
Tot Ion: 79 Resp: 574485
Ion Ratio Lower Upper
79 100
108 76.5 60.2 90.4
77 63.6 52.0 78.0



#16
2,2'-oxybis(1-Chloropropane)
Concen: 35.25 ng
RT: 7.172 min Scan# 423
Delta R.T. -0.011 min
Lab File: BF090647.D
Acq: 19 Oct 2016 15:04

Tgt Ion: 45 Resp: 942245
Ion Ratio Lower Upper
45 100
77 17.3 0.9 40.9
79 14.3 0.0 37.3

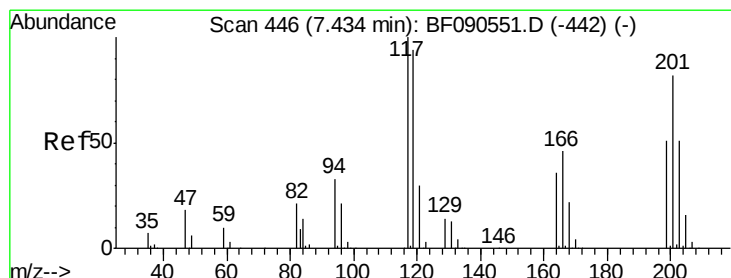
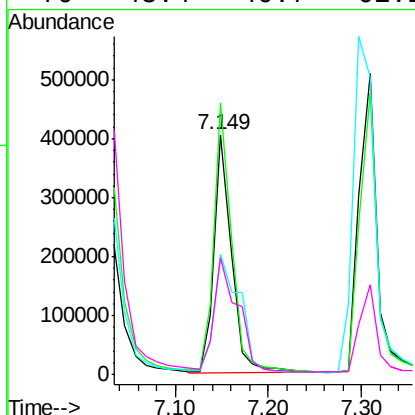
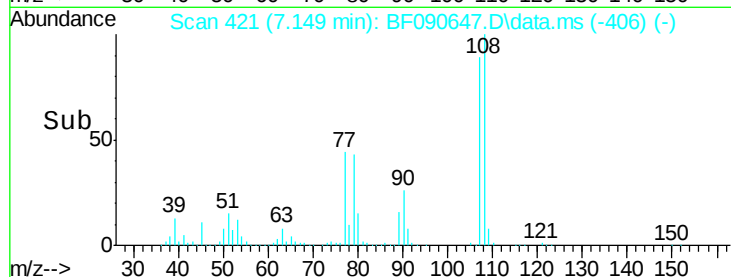
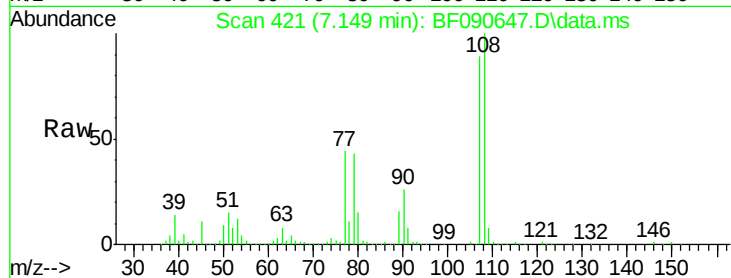




#17
2-Methylphenol
Concen: 39.37 ng
RT: 7.149 min Scan# 42
Delta R.T. -0.023 min
Lab File: BF090647.D
Acq: 19 Oct 2016 15:04

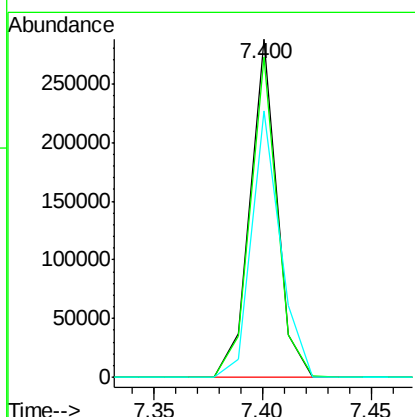
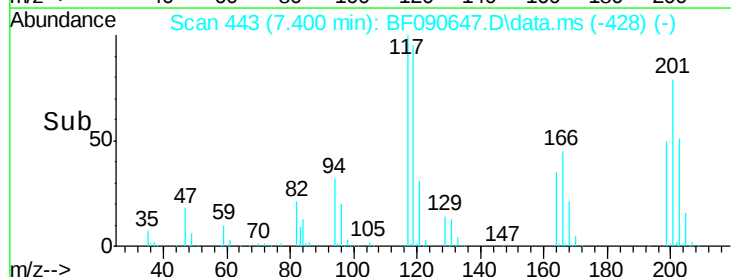
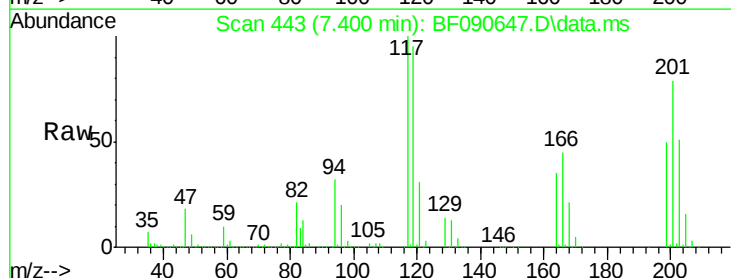
Instrument :
BNA_F
ClientSampleId :
SOIL-CUTTINGSMS

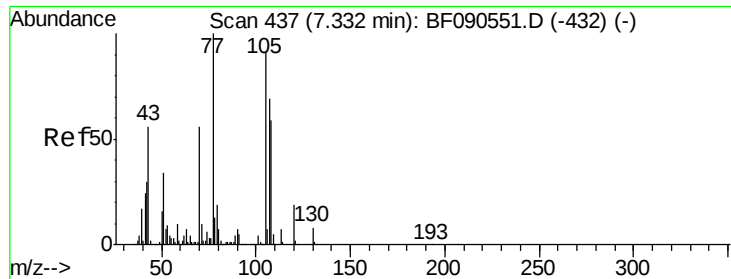
Tot Ion:	107	Resp:	538860
Ion	Ratio	Lower	Upper
107	100		
108	113.0	92.6	138.8
77	50.0	42.2	63.2
79	48.4	40.7	61.1



#18
Hexachloroethane
Concen: 32.98 ng
RT: 7.400 min Scan# 443
Delta R.T. -0.023 min
Lab File: BF090647.D
Acq: 19 Oct 2016 15:04

Tgt Ion:	117	Resp:	248316
Ion	Ratio	Lower	Upper
117	100		
119	94.6	75.6	113.4
201	78.7	65.4	98.0

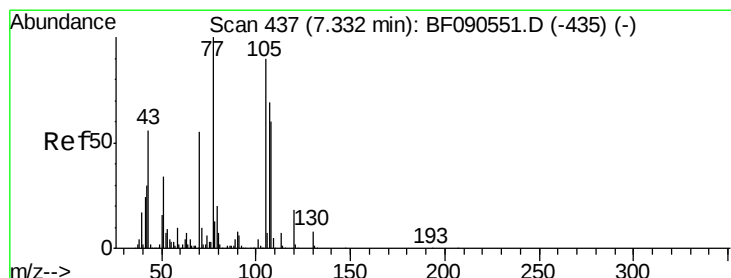
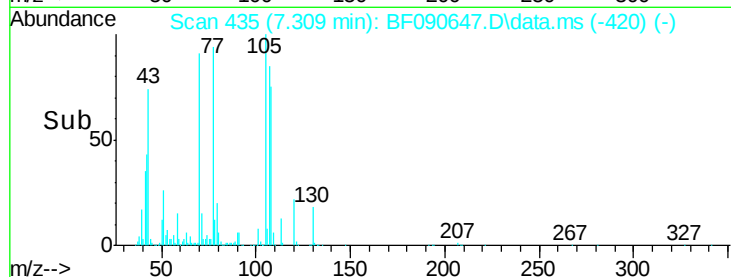
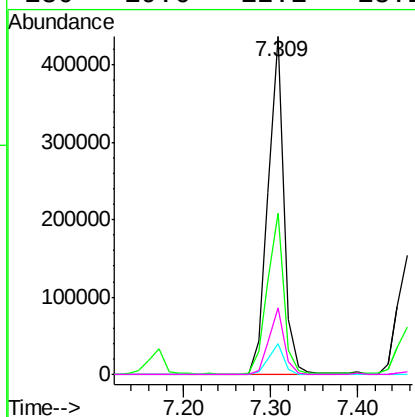
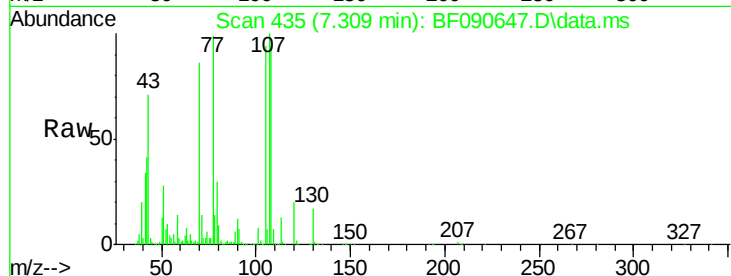




#19
 n-Nitroso-di-n-propylamine
 Concen: 40.15 ng
 RT: 7.309 min Scan# 43
 Delta R.T. -0.023 min
 Lab File: BF090647.D
 Acq: 19 Oct 2016 15:04

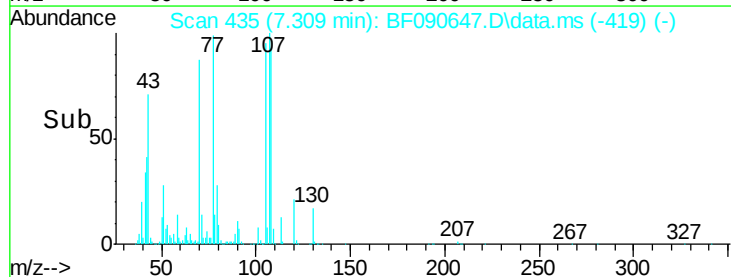
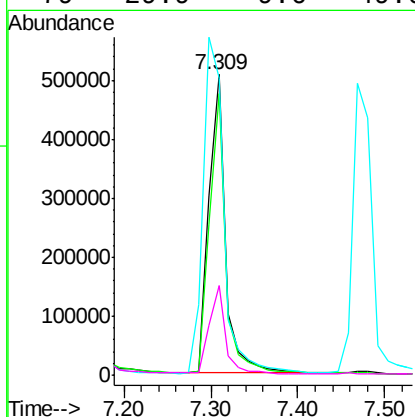
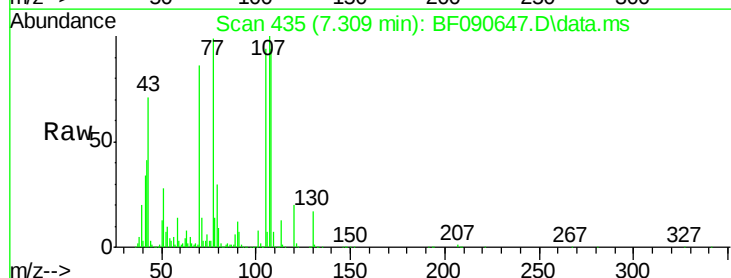
Instrument :
 BNA_F
 ClientSampleId :
 SOIL-CUTTINGSMS

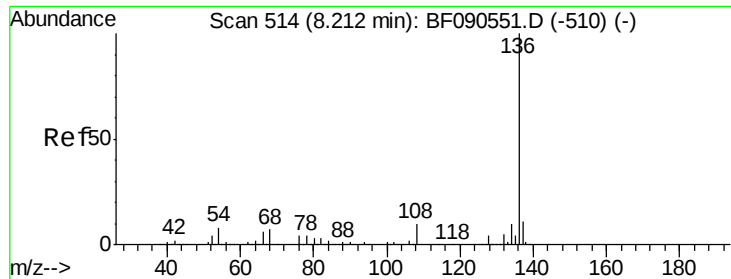
Tot Ion	Ratio	Lower	Upper
70	100		
42	47.8	43.4	65.0
101	9.2	6.4	9.6
130	19.6	12.1	18.1#



#20
 3+4-Methylphenols
 Concen: 41.28 ng
 RT: 7.309 min Scan# 435
 Delta R.T. -0.011 min
 Lab File: BF090647.D
 Acq: 19 Oct 2016 15:04

Tgt Ion	Ratio	Lower	Upper
107	100		
108	93.6	67.7	107.7
77	98.8	123.1	163.1#
79	29.9	9.6	49.6

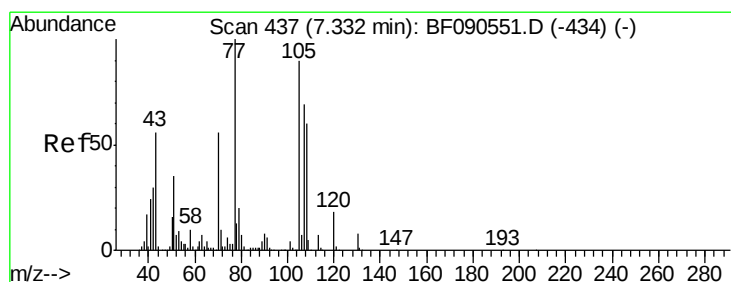
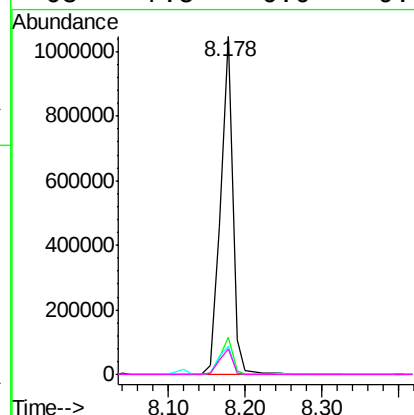
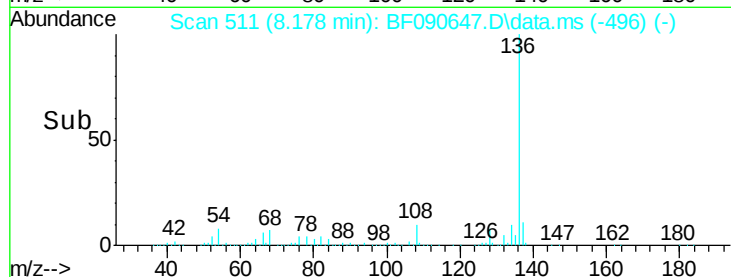
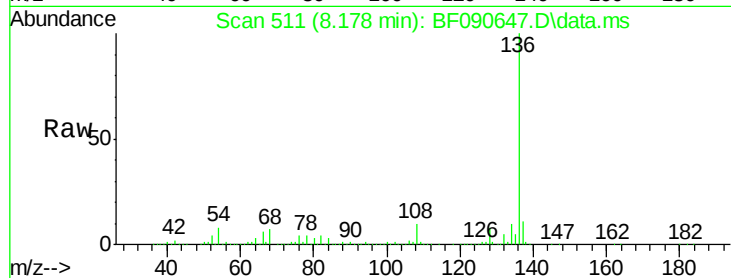




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.178 min Scan# 51
Delta R.T. -0.023 min
Lab File: BF090647.D
Acq: 19 Oct 2016 15:04

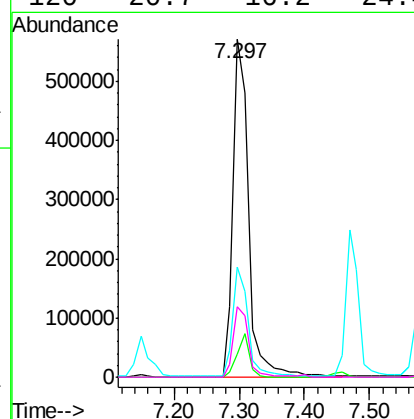
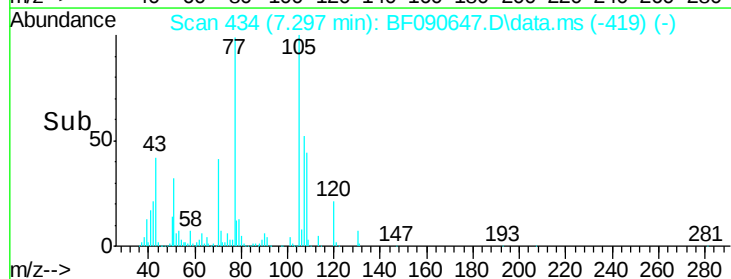
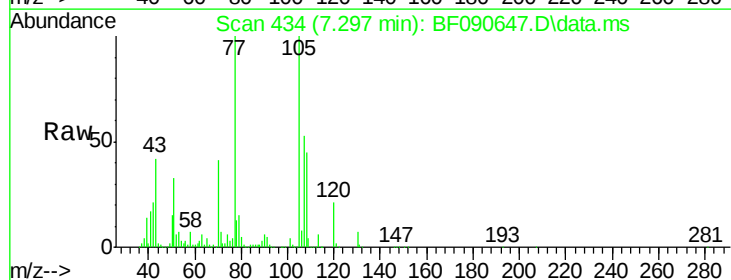
Instrument :
BNA_F
ClientSampleId :
SOIL-CUTTINGSMS

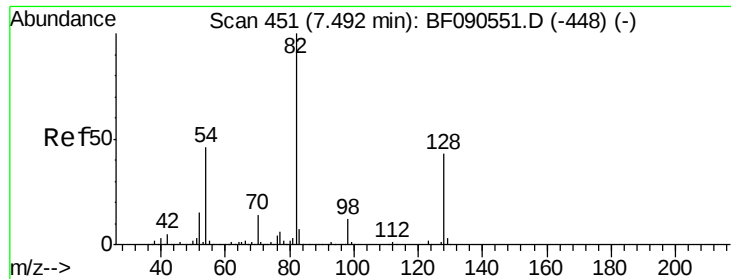
Tot Ion:136	Resp: 1157433
Ion Ratio	Lower Upper
136 100	
137 11.1	8.8 13.2
54 8.4	6.8 10.2
68 7.5	6.0 9.0



#22
Acetophenone
Concen: 37.02 ng
RT: 7.297 min Scan# 434
Delta R.T. -0.023 min
Lab File: BF090647.D
Acq: 19 Oct 2016 15:04

Tgt	Ion:105	Resp:	946696
Ion	Ratio	Lower	Upper
105	100		
71	7.0	8.5	12.7#
51	32.6	31.0	46.4
120	20.7	16.2	24.4

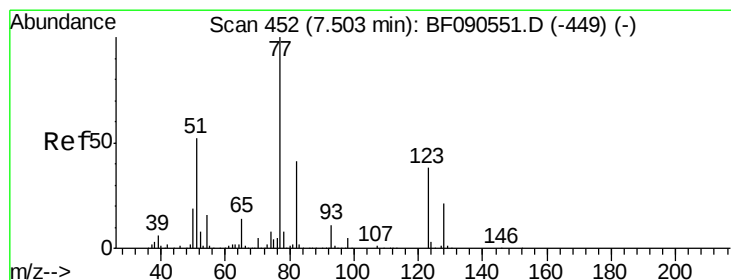
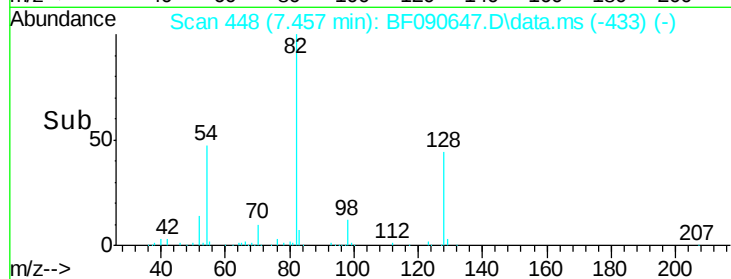
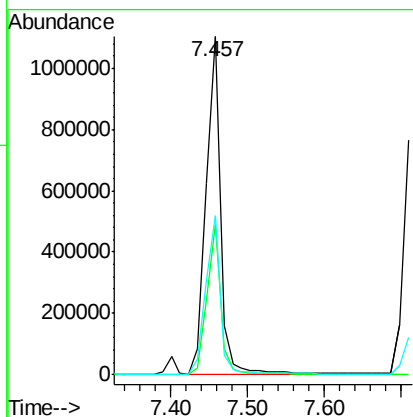
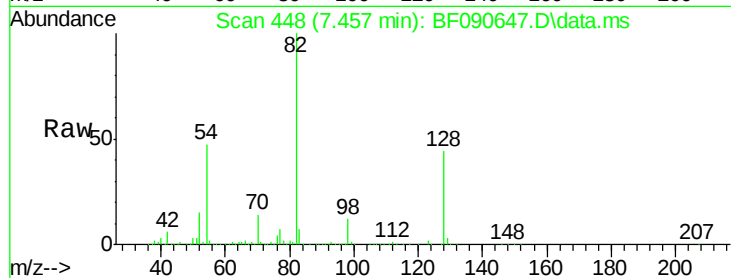




#23
 Nitrobenzene-d5
 Concen: 69.14 ng
 RT: 7.457 min Scan# 44
 Delta R.T. -0.023 min
 Lab File: BF090647.D
 Acq: 19 Oct 2016 15:04

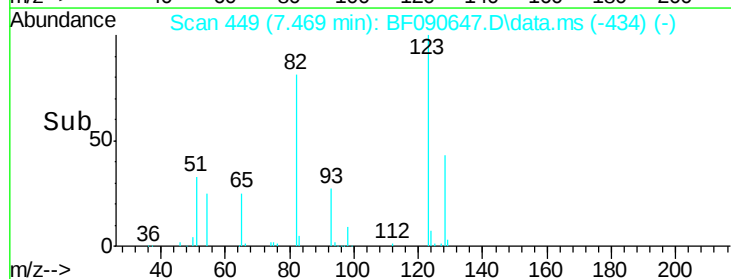
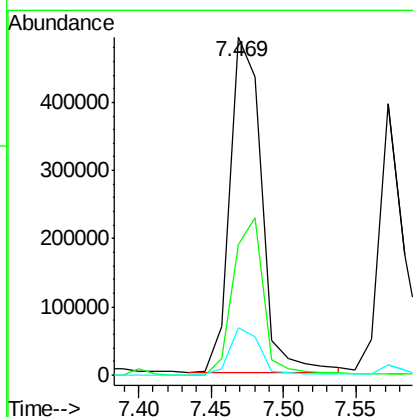
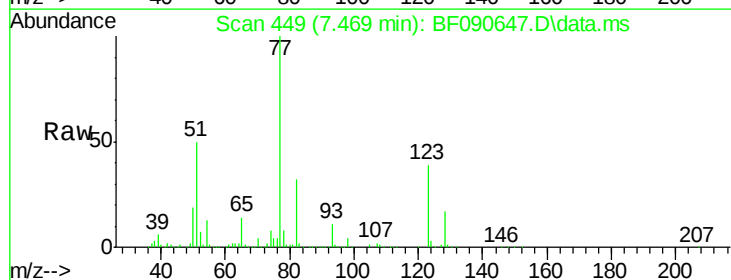
Instrument :
 BNA_F
 ClientSampleId :
 SOIL-CUTTINGSMS

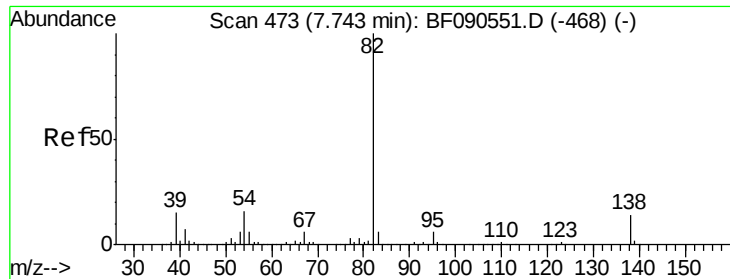
Tot Ion: 82 Resp: 1440589
 Ion Ratio Lower Upper
 82 100
 128 44.3 34.3 51.5
 54 47.1 37.0 55.6



#24
 Nitrobenzene
 Concen: 34.70 ng
 RT: 7.469 min Scan# 449
 Delta R.T. -0.023 min
 Lab File: BF090647.D
 Acq: 19 Oct 2016 15:04

Tgt Ion: 77 Resp: 741922
 Ion Ratio Lower Upper
 77 100
 123 38.8 29.8 44.6
 65 14.2 10.9 16.3





#25

Isophorone

Concen: 39.08 ng

RT: 7.720 min Scan# 47

Delta R.T. -0.011 min

Lab File: BF090647.D

Acq: 19 Oct 2016 15:04

Instrument :

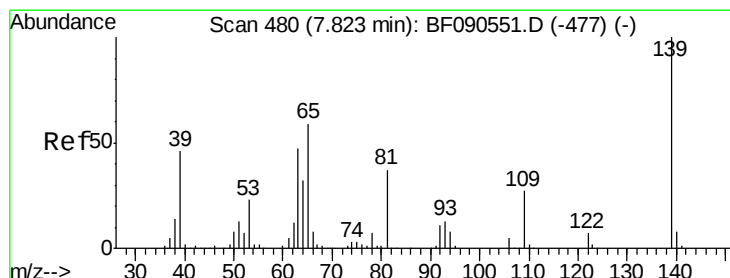
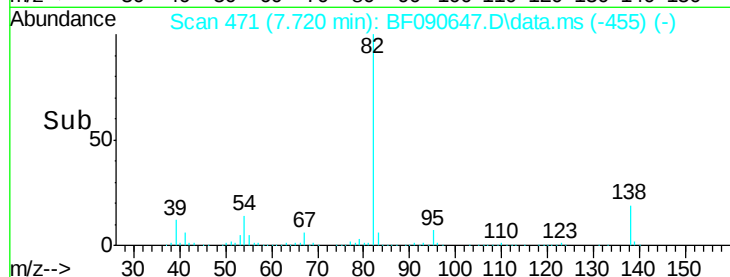
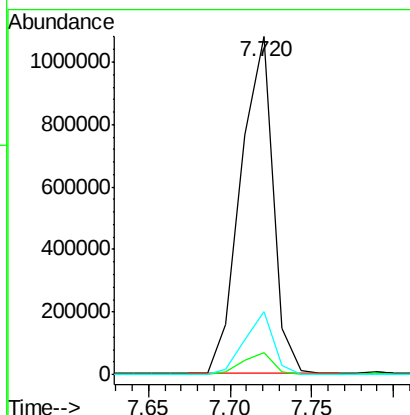
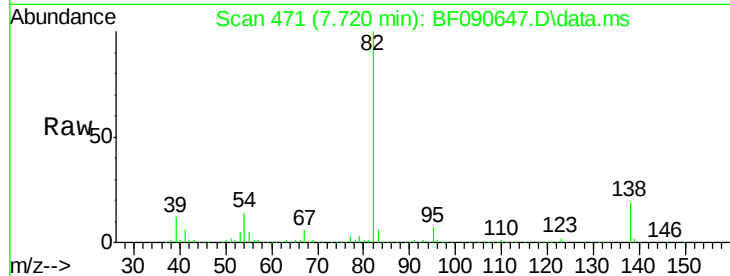
BNA_F

ClientSampleId :

SOIL-CUTTINGSMS

Tot Ion: 82 Resp: 1482146

Ion	Ratio	Lower	Upper
82	100		
95	6.6	5.0	7.6
138	18.5	11.5	17.3#



#26

2-Nitrophenol

Concen: 35.27 ng

RT: 7.789 min Scan# 477

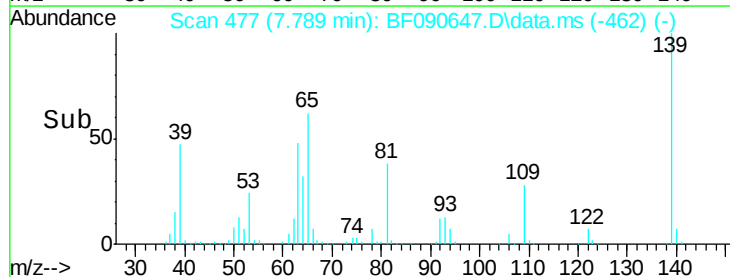
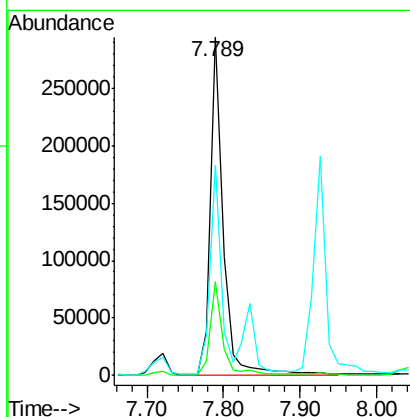
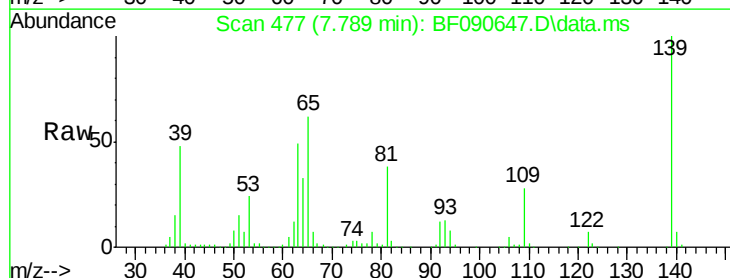
Delta R.T. -0.023 min

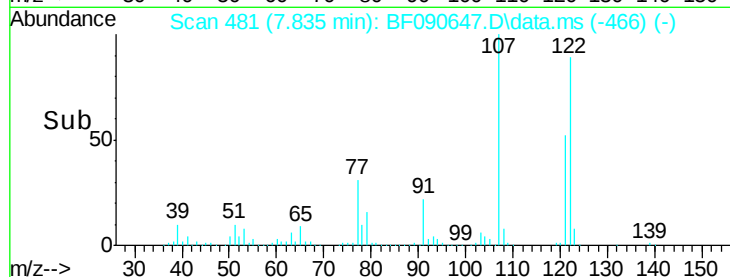
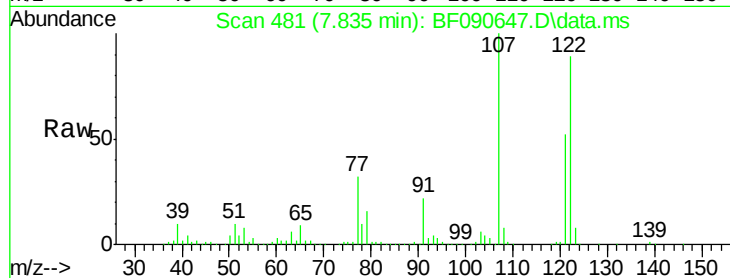
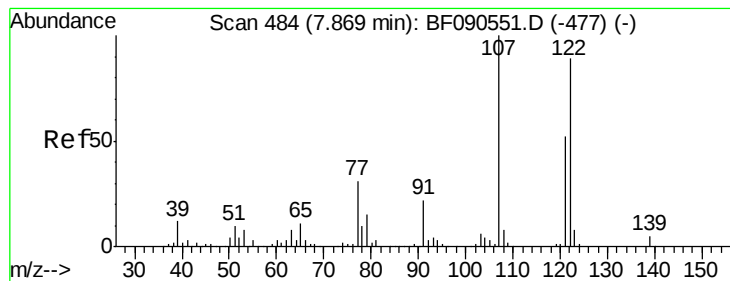
Lab File: BF090647.D

Acq: 19 Oct 2016 15:04

Tgt Ion: 139 Resp: 342194

Ion	Ratio	Lower	Upper
139	100		
109	27.8	21.8	32.6
65	62.0	47.7	71.5





#27

2,4-Dimethylphenol

Concen: 39.28 ng

RT: 7.835 min Scan# 481

Delta R.T. -0.023 min

Lab File: BF090647.D

Acq: 19 Oct 2016 15:04

Instrument :

BNA_F

ClientSampleId :

SOIL-CUTTINGSMS

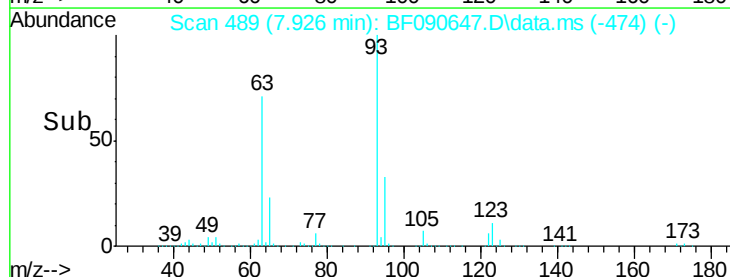
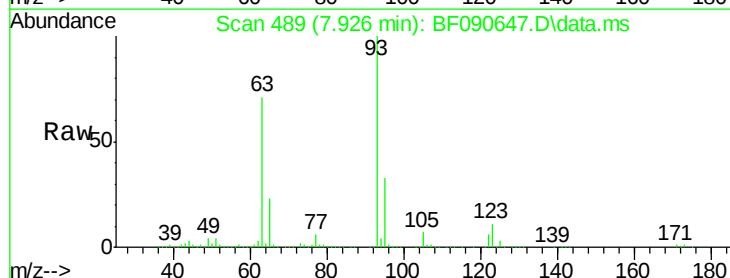
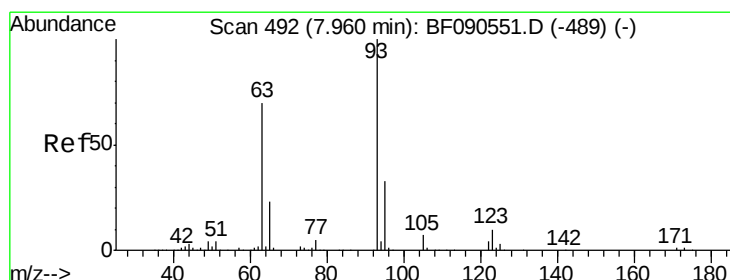
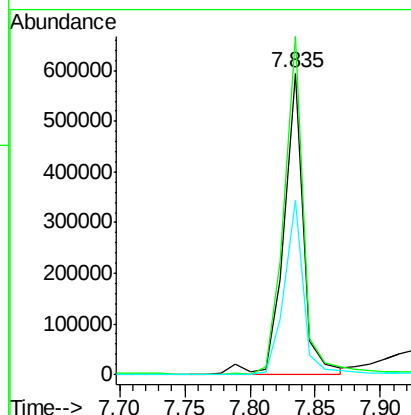
Tot Ion:122 Resp: 632333

Ion Ratio Lower Upper

122 100

107 112.3 89.8 134.6

121 57.9 46.1 69.1



#28

bis(2-Chloroethoxy)methane

Concen: 40.66 ng

RT: 7.926 min Scan# 489

Delta R.T. -0.023 min

Lab File: BF090647.D

Acq: 19 Oct 2016 15:04

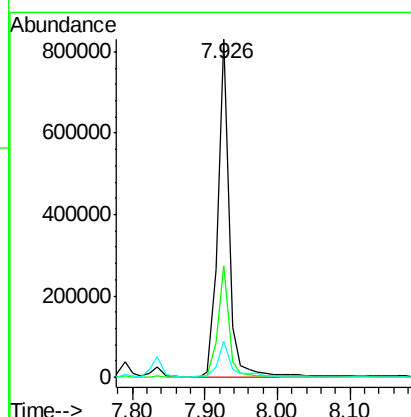
Tgt Ion: 93 Resp: 910392

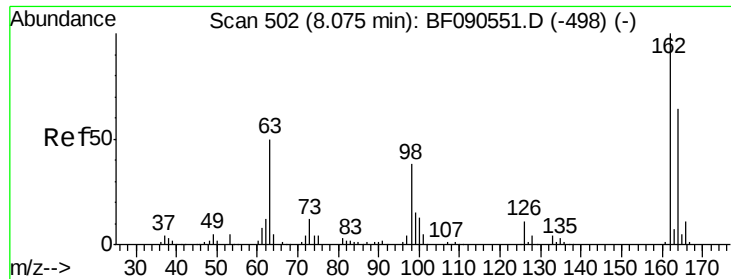
Ion Ratio Lower Upper

93 100

95 33.0 26.2 39.2

123 10.7 8.6 13.0

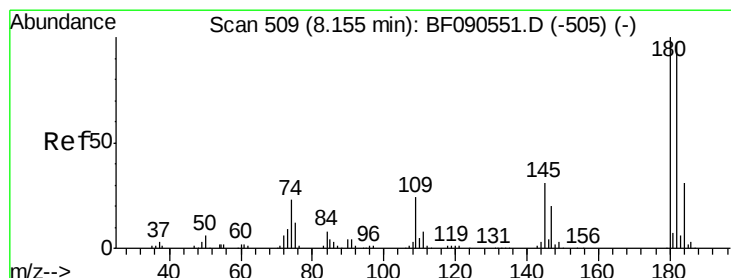
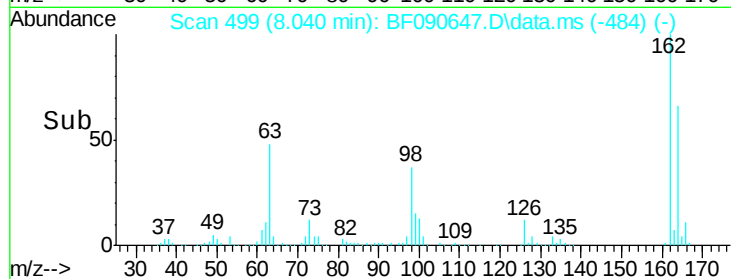
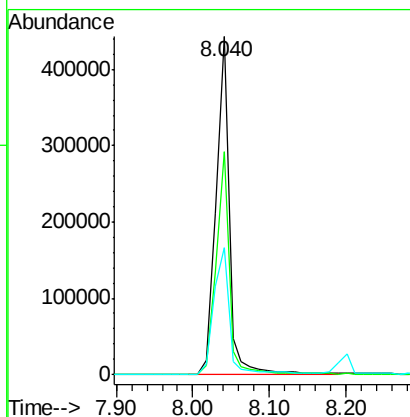
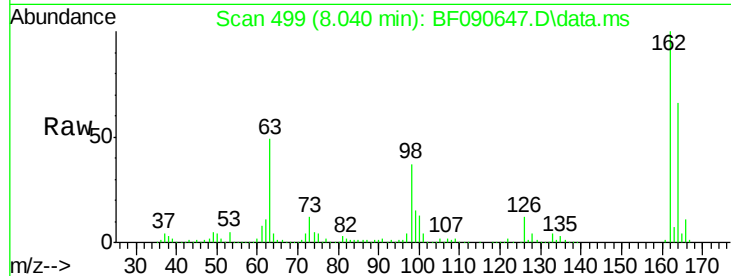




#29
 2,4-Dichlorophenol
 Concen: 37.99 ng
 RT: 8.040 min Scan# 49
 Delta R.T. -0.023 min
 Lab File: BF090647.D
 Acq: 19 Oct 2016 15:04

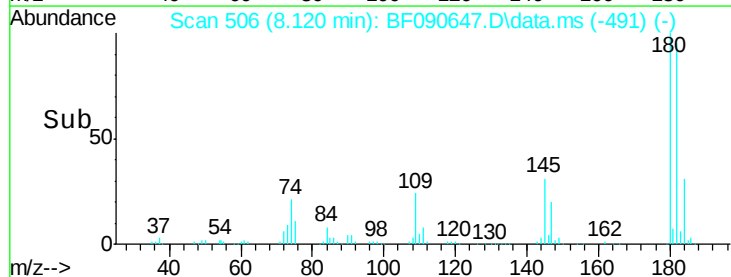
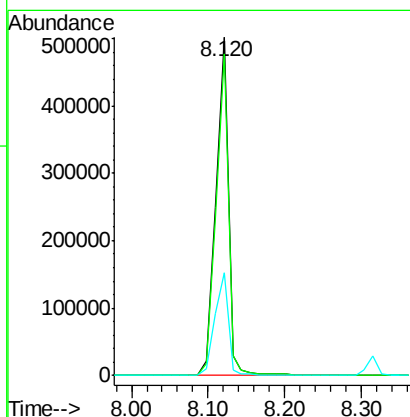
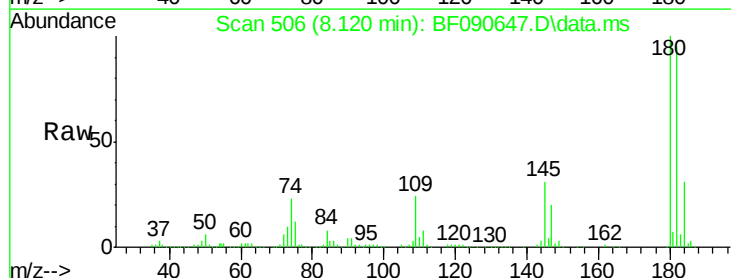
Instrument :
 BNA_F
 ClientSampleId :
 SOIL-CUTTINGSMS

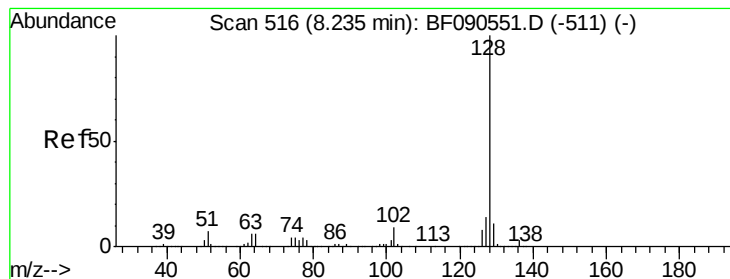
Tot Ion	Ratio	Lower	Upper
162	100		
164	66.0	44.0	84.0
98	37.4	18.0	58.0



#30
 1,2,4-Trichlorobenzene
 Concen: 34.25 ng
 RT: 8.120 min Scan# 506
 Delta R.T. -0.023 min
 Lab File: BF090647.D
 Acq: 19 Oct 2016 15:04

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	77.2	115.8
145	30.5	24.4	36.6





#31

Naphthalene

Concen: 35.63 ng

RT: 8.200 min Scan# 51

Delta R.T. -0.023 min

Lab File: BF090647.D

Acq: 19 Oct 2016 15:04

Instrument :

BNA_F

ClientSampleId :

SOIL-CUTTINGSMS

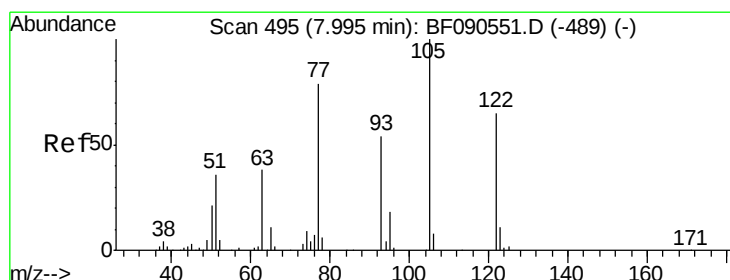
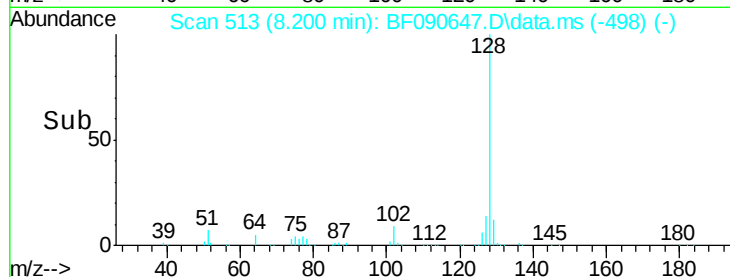
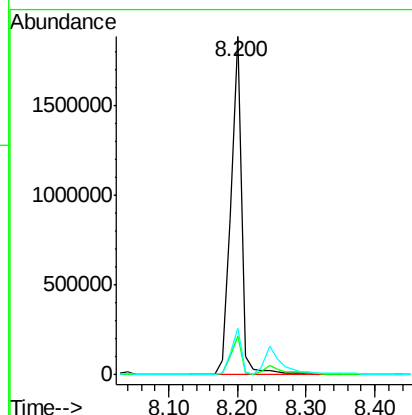
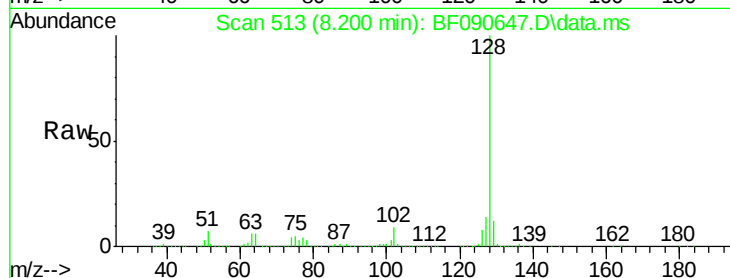
Tot Ion:128 Resp: 2100877

Ion Ratio Lower Upper

128 100

129 11.5 9.0 13.6

127 13.8 10.8 16.2



#32

Benzoic acid

Concen: 34.88 ng

RT: 7.972 min Scan# 493

Delta R.T. -0.034 min

Lab File: BF090647.D

Acq: 19 Oct 2016 15:04

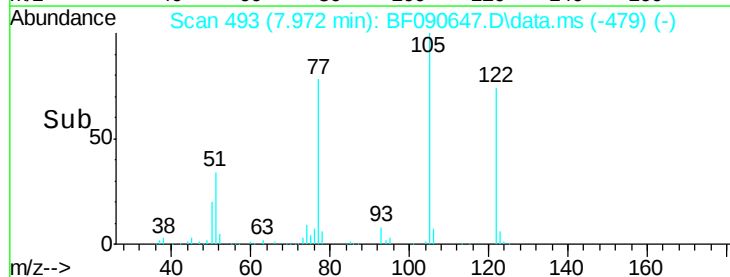
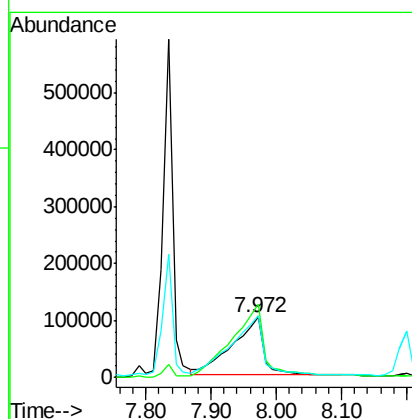
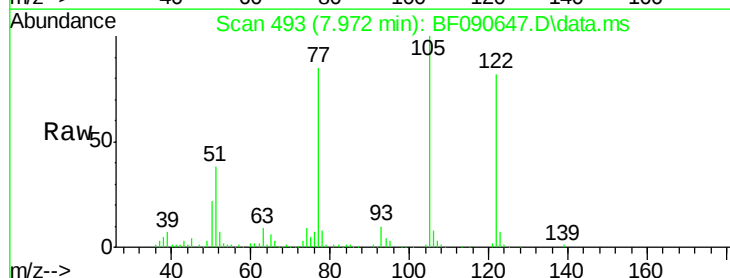
Tgt Ion:122 Resp: 344838

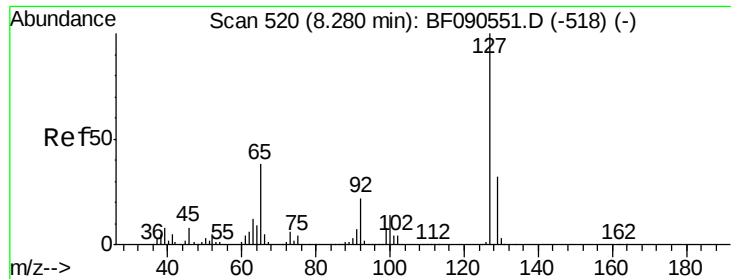
Ion Ratio Lower Upper

122 100

105 122.0 101.1 141.1

77 103.4 84.7 124.7

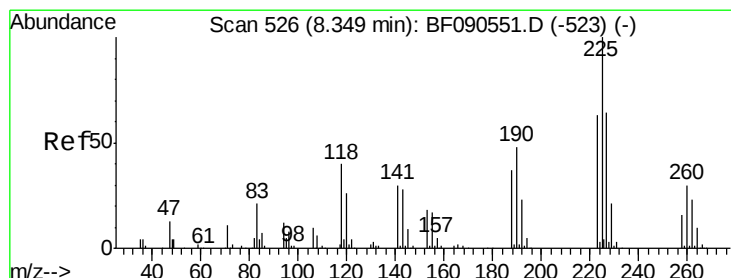
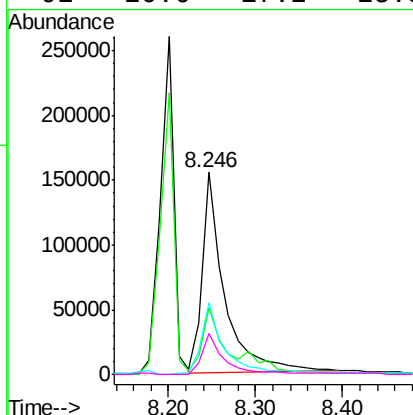
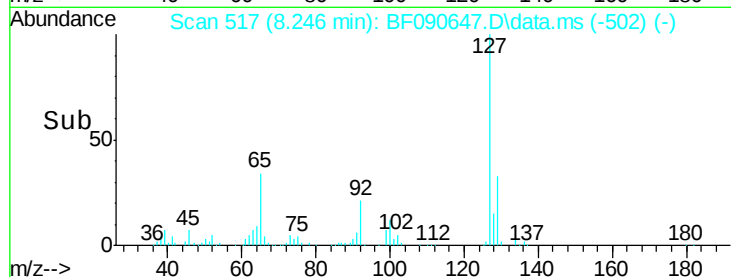
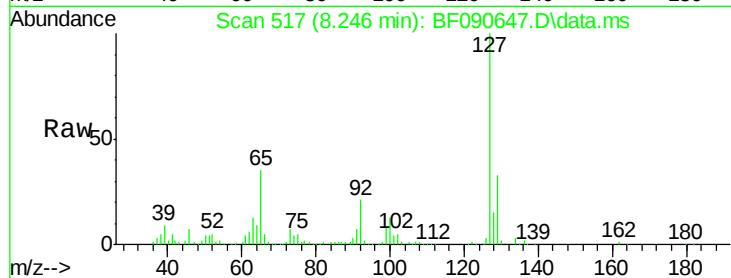




#33
4-Chloroaniline
Concen: 12.06 ng
RT: 8.246 min Scan# 51
Delta R.T. -0.023 min
Lab File: BF090647.D
Acq: 19 Oct 2016 15:04

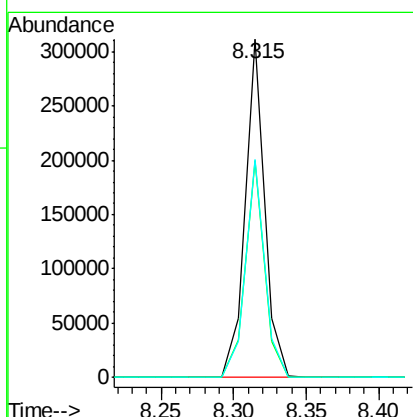
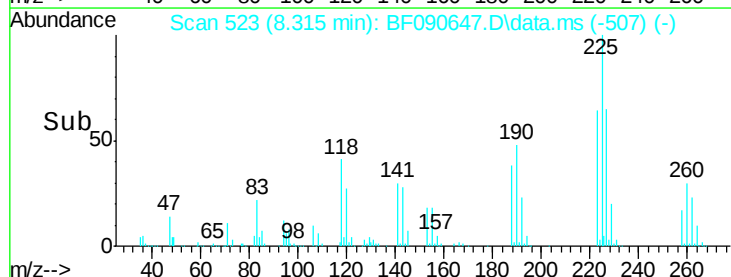
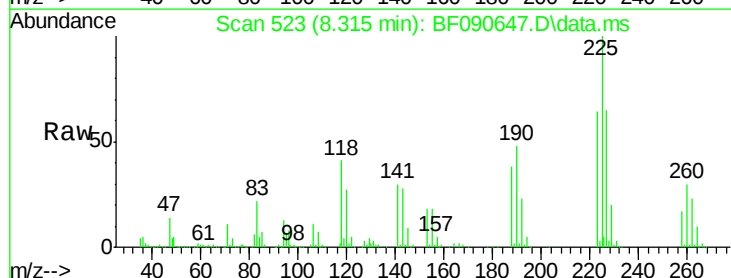
Instrument :
BNA_F
ClientSampleId :
SOIL-CUTTINGSMS

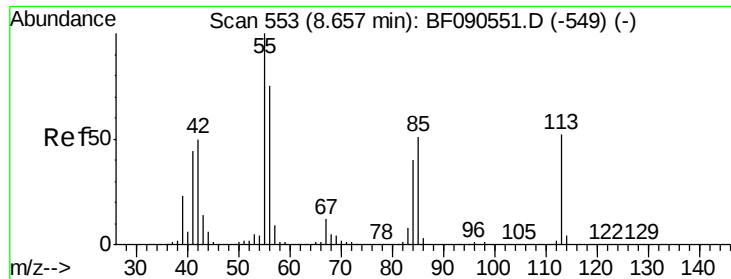
Tot Ion:	127	Resp:	271872
Ion	Ratio	Lower	Upper
127	100		
129	33.3	26.2	39.2
65	35.4	30.1	45.1
92	20.6	17.2	25.8



#34
Hexachlorobutadiene
Concen: 31.41 ng
RT: 8.315 min Scan# 523
Delta R.T. -0.023 min
Lab File: BF090647.D
Acq: 19 Oct 2016 15:04

Tgt Ion:	225	Resp:	289836
Ion	Ratio	Lower	Upper
225	100		
223	64.0	50.6	76.0
227	64.5	51.4	77.2





#35

Caprolactam

Concen: 9.00 ng

RT: 8.680 min Scan# 55

Delta R.T. 0.023 min

Lab File: BF090647.D

Acq: 19 Oct 2016 15:04

Instrument :

BNA_F

ClientSampleId :

SOIL-CUTTINGSMS

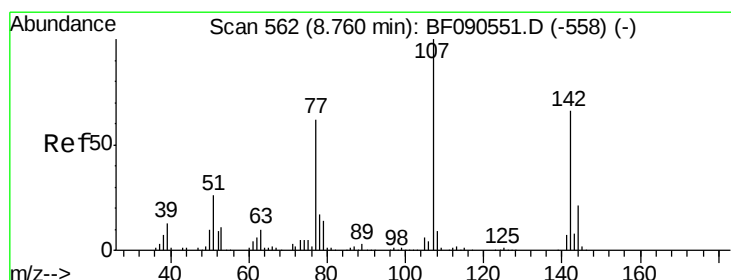
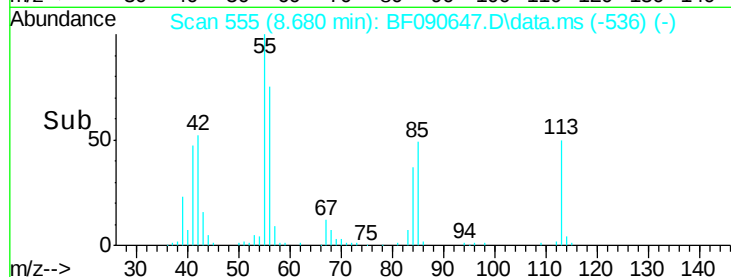
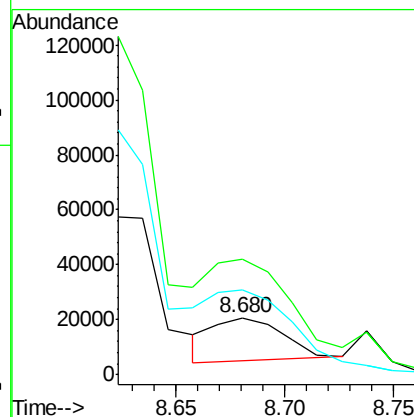
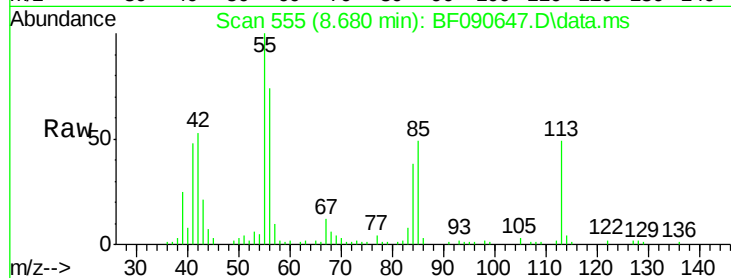
Tot Ion:113 Resp: 35430

Ion Ratio Lower Upper

113 100

55 202.7 170.8 210.8

56 149.1 122.4 162.4



#36

4-Chloro-3-methylphenol

Concen: 38.11 ng

RT: 8.738 min Scan# 560

Delta R.T. -0.011 min

Lab File: BF090647.D

Acq: 19 Oct 2016 15:04

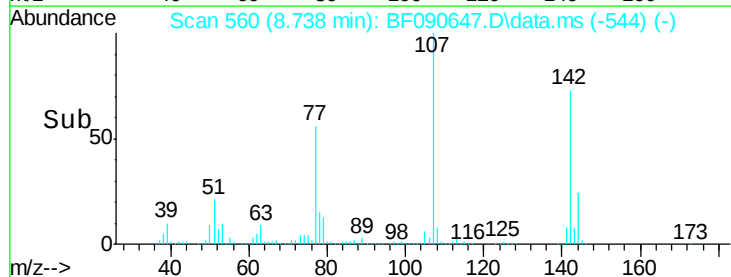
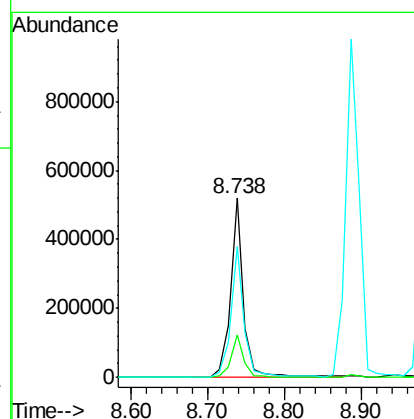
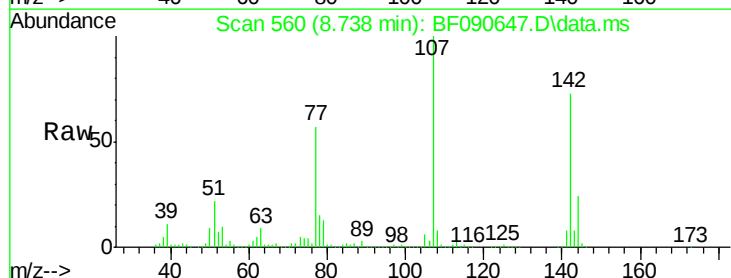
Tgt Ion:107 Resp: 620096

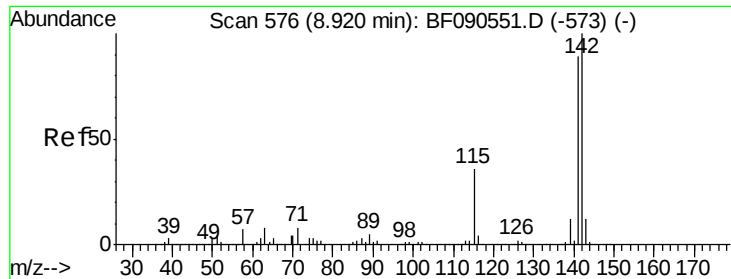
Ion Ratio Lower Upper

107 100

144 23.8 16.9 25.3

142 72.9 52.5 78.7

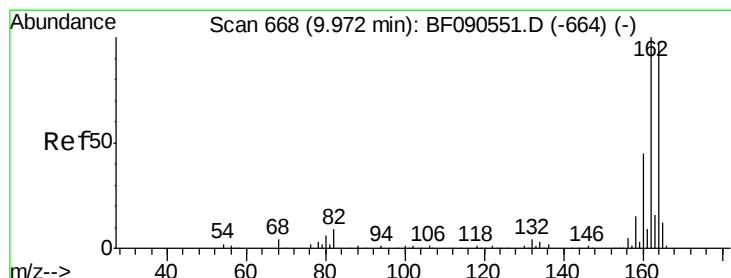
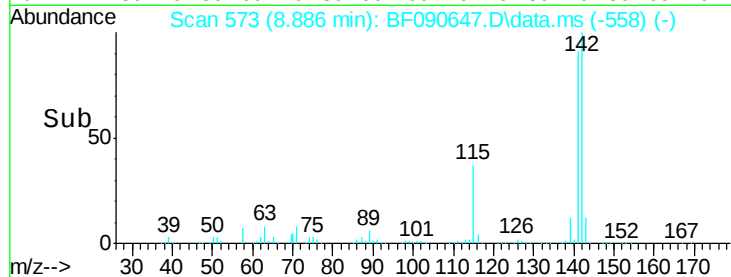
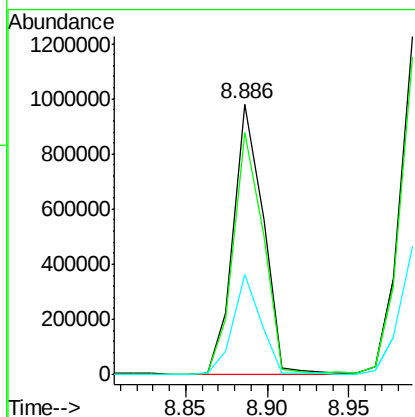
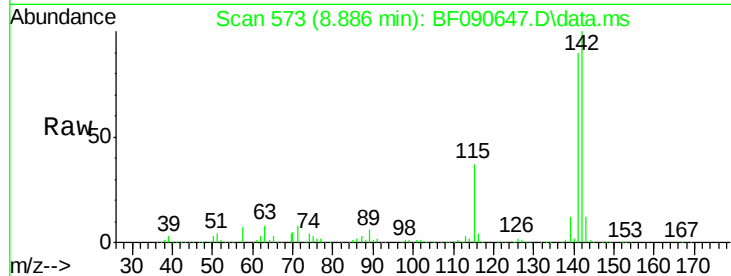




#37
 2-Methylnaphthalene
 Concen: 35.81 ng
 RT: 8.886 min Scan# 57
 Delta R.T. -0.023 min
 Lab File: BF090647.D
 Acq: 19 Oct 2016 15:04

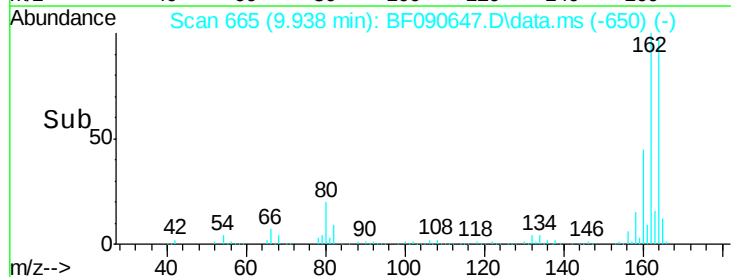
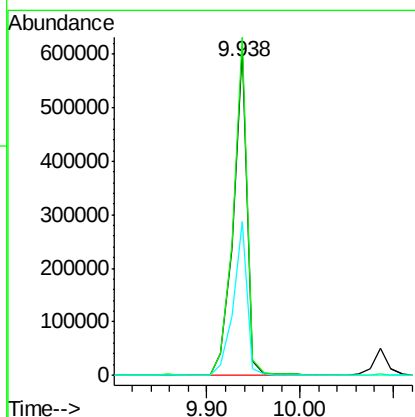
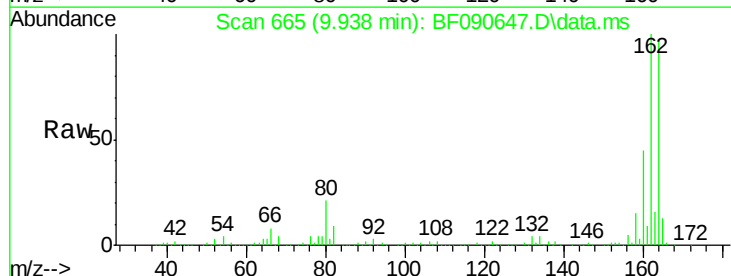
Instrument :
 BNA_F
 ClientSampleId :
 SOIL-CUTTINGSMS

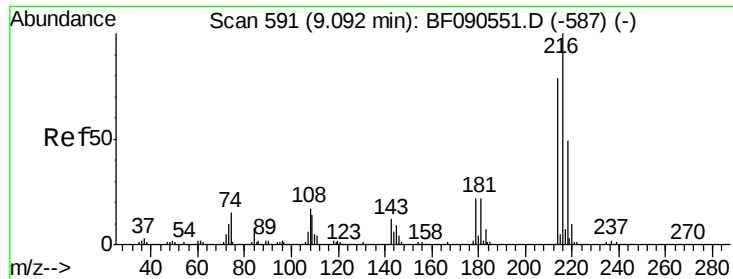
Tot Ion:142 Resp: 1240160
 Ion Ratio Lower Upper
 142 100
 141 89.6 71.3 106.9
 115 36.7 28.8 43.2



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.938 min Scan# 665
 Delta R.T. -0.023 min
 Lab File: BF090647.D
 Acq: 19 Oct 2016 15:04

Tgt Ion:164 Resp: 638034
 Ion Ratio Lower Upper
 164 100
 162 103.6 82.2 123.4
 160 47.0 36.6 55.0





#39

1,2,4,5-Tetrachlorobenzene

Concen: 34.31 ng

RT: 9.058 min Scan# 58

Delta R.T. -0.023 min

Lab File: BF090647.D

Acq: 19 Oct 2016 15:04

Instrument :

BNA_F

ClientSampleId :

SOIL-CUTTINGSMS

Tot Ion:216 Resp: 580366

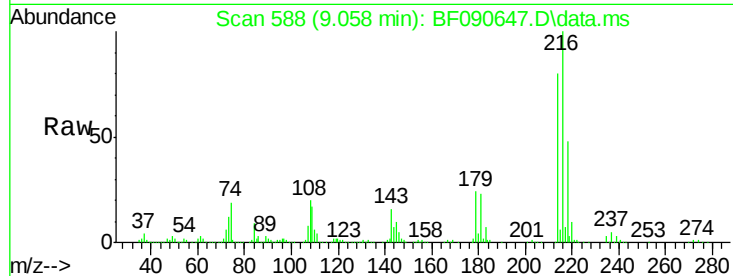
Ion Ratio Lower Upper

216 100

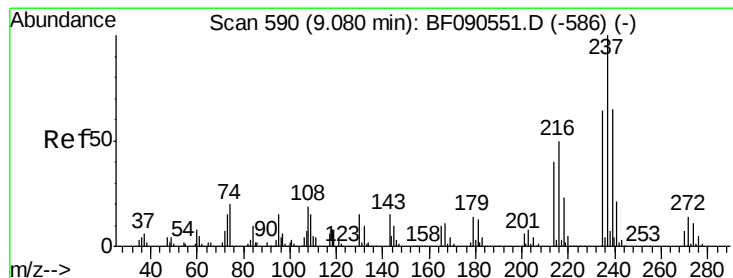
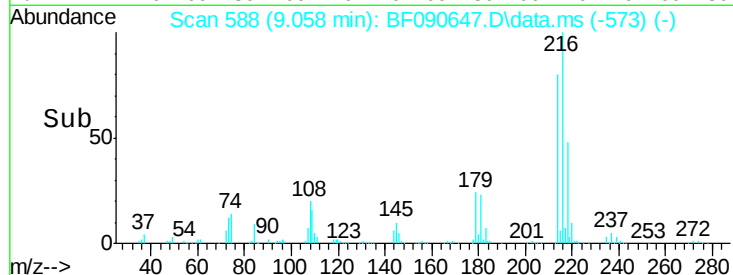
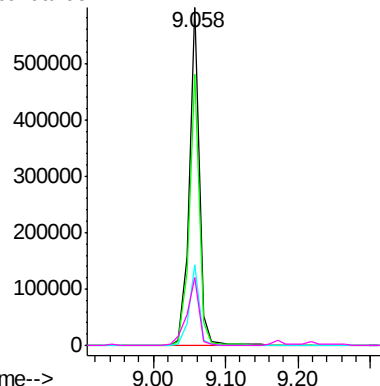
214 80.3 63.5 95.3

179 23.8 18.9 28.3

108 23.5 17.8 26.6



Abundance



#40

Hexachlorocyclopentadiene

Concen: 69.90 ng

RT: 9.046 min Scan# 587

Delta R.T. -0.023 min

Lab File: BF090647.D

Acq: 19 Oct 2016 15:04

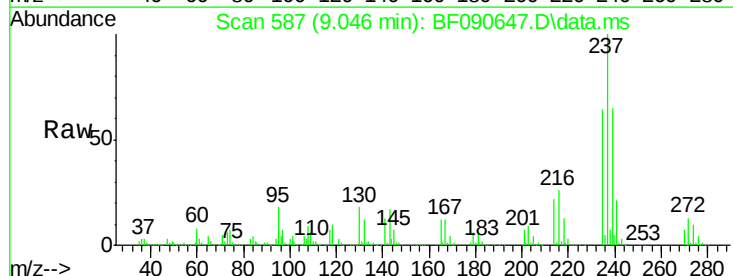
Tgt Ion:237 Resp: 577676

Ion Ratio Lower Upper

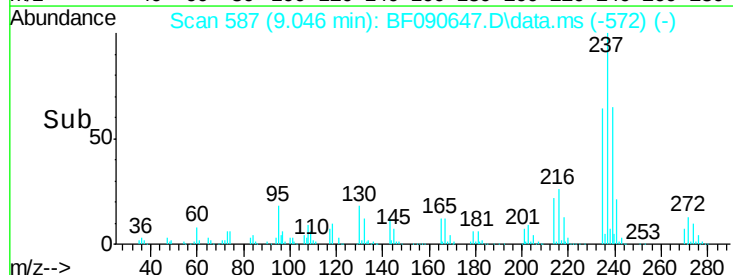
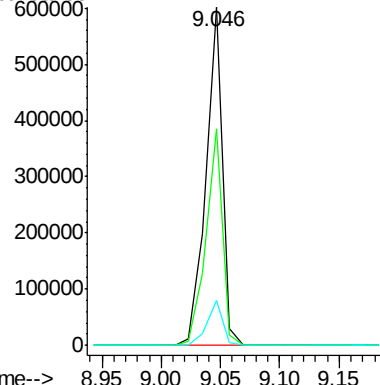
237 100

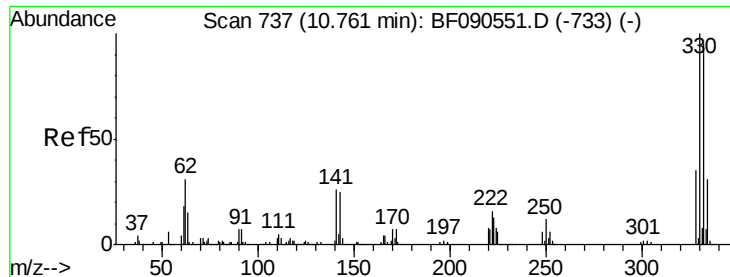
235 64.2 43.8 83.8

272 13.3 0.0 33.7



Abundance

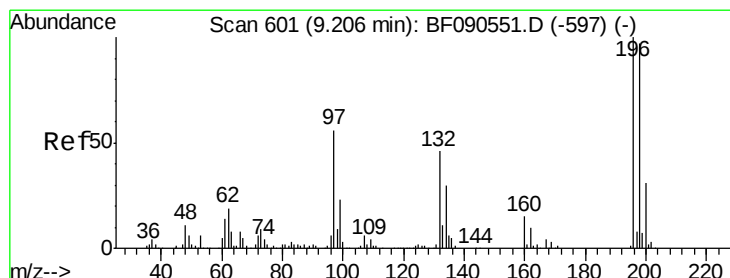
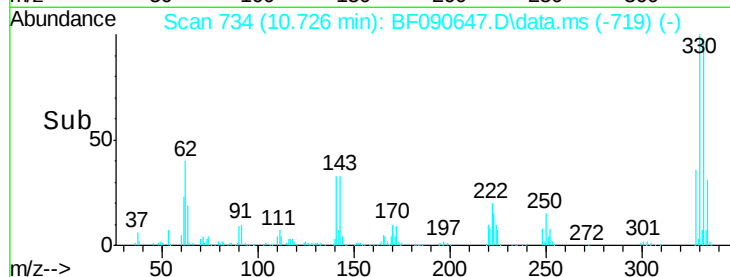
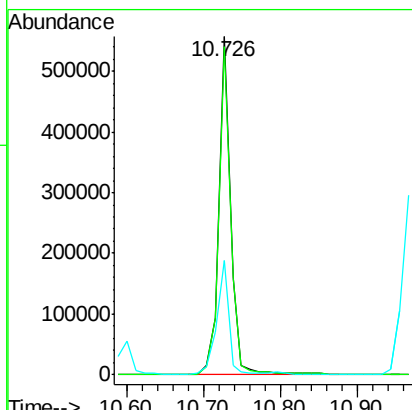
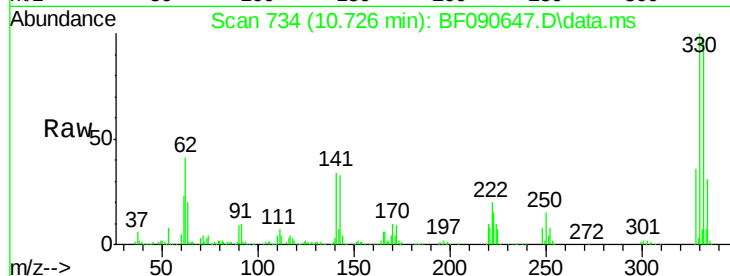




#41
 2,4,6-Tribromophenol
 Concen: 105.02 ng
 RT: 10.726 min Scan# 73
 Delta R.T. -0.023 min
 Lab File: BF090647.D
 Acq: 19 Oct 2016 15:04

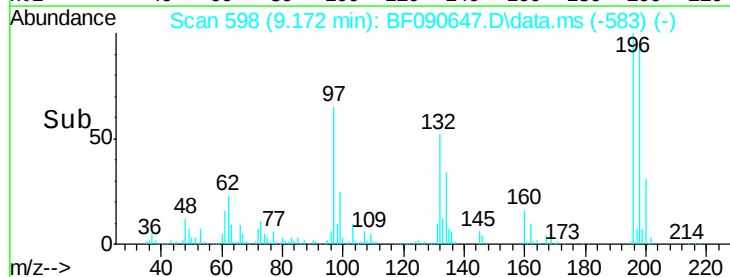
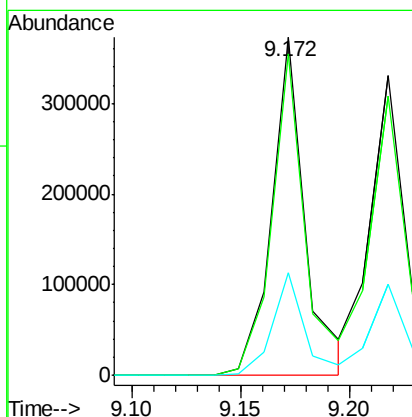
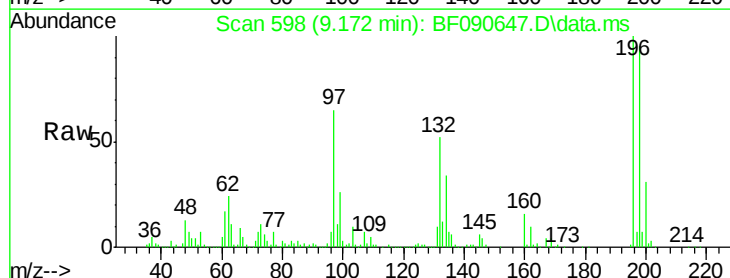
Instrument :
 BNA_F
 ClientSampleId :
 SOIL-CUTTINGSMS

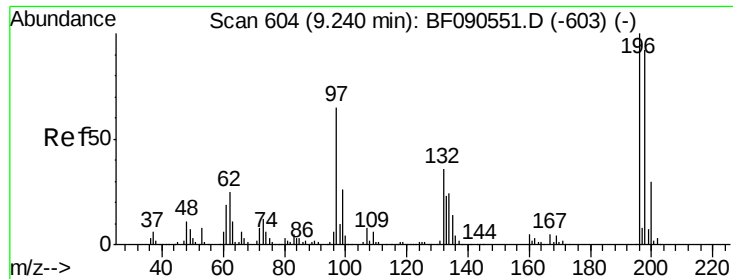
Tot Ion	Ratio	Lower	Upper
330	100		
332	97.4	76.2	114.2
141	33.4	31.4	47.2



#42
 2,4,6-Trichlorophenol
 Concen: 41.82 ng
 RT: 9.172 min Scan# 598
 Delta R.T. -0.023 min
 Lab File: BF090647.D
 Acq: 19 Oct 2016 15:04

Tgt Ion	Ratio	Lower	Upper
196	100		
198	94.9	77.9	116.9
200	30.5	25.1	37.7

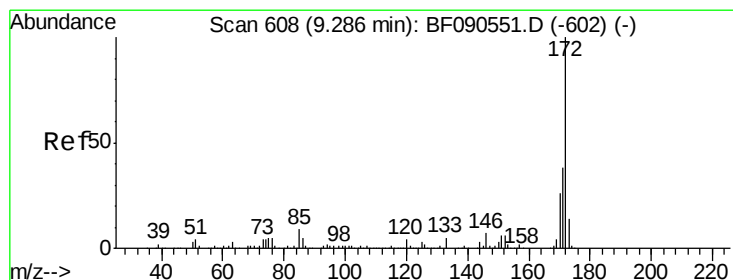
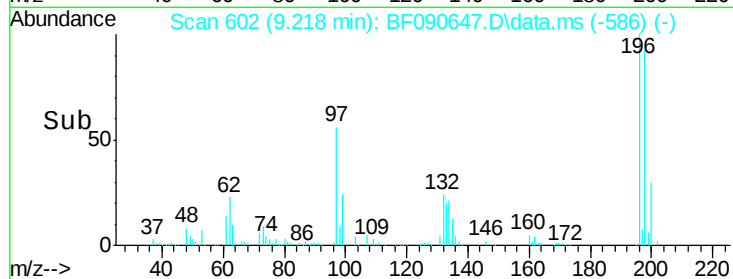
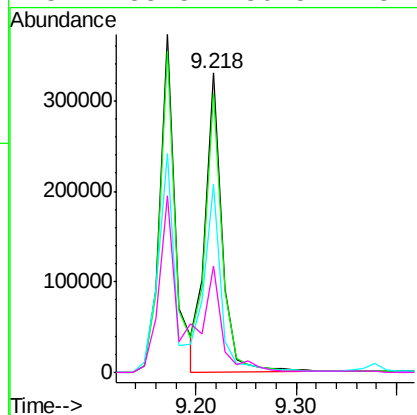
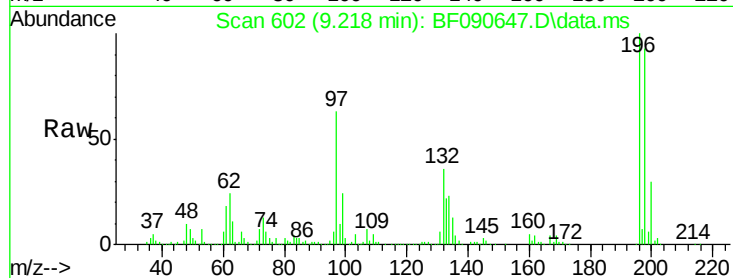




#43
 2,4,5-Trichlorophenol
 Concen: 33.68 ng
 RT: 9.218 min Scan# 604
 Delta R.T. -0.011 min
 Lab File: BF090647.D
 Acq: 19 Oct 2016 15:04

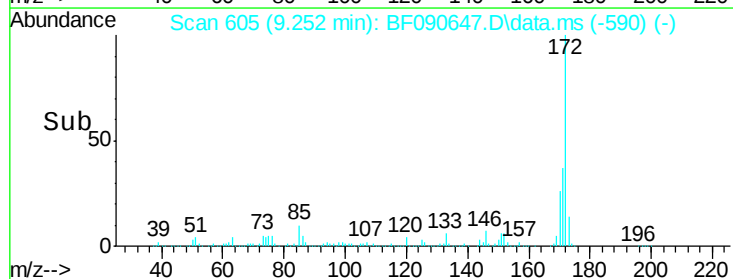
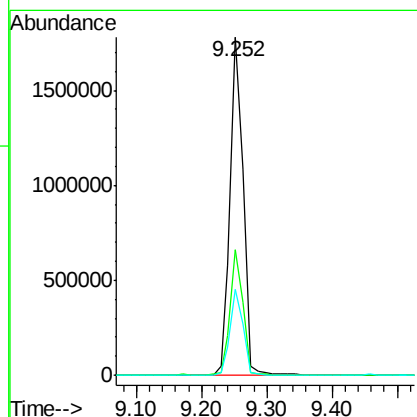
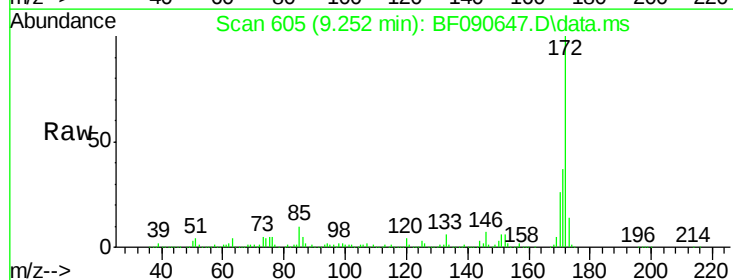
Instrument :
 BNA_F
 ClientSampleId :
 SOIL-CUTTINGSMS

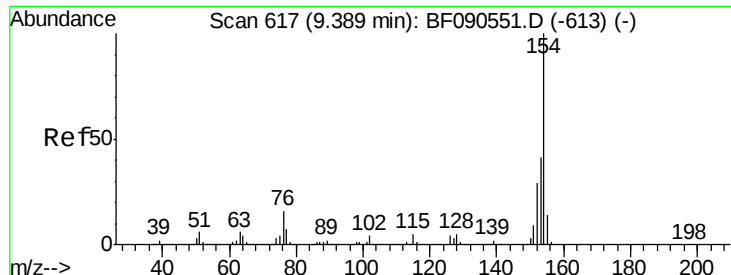
Tot Ion:196 Resp: 383373
 Ion Ratio Lower Upper
 196 100
 198 93.2 74.0 111.0
 97 63.1 54.7 82.1
 132 35.5 30.5 45.7



#44
 2-Fluorobiphenyl
 Concen: 64.08 ng
 RT: 9.252 min Scan# 605
 Delta R.T. -0.023 min
 Lab File: BF090647.D
 Acq: 19 Oct 2016 15:04

Tgt Ion:172 Resp: 2481522
 Ion Ratio Lower Upper
 172 100
 171 37.2 30.1 45.1
 170 25.6 20.6 30.8





#45

1,1'-Biphenyl

Concen: 31.95 ng

RT: 9.355 min Scan# 61

Delta R.T. -0.023 min

Lab File: BF090647.D

Acq: 19 Oct 2016 15:04

Instrument :

BNA_F

ClientSampleId :

SOIL-CUTTINGSMS

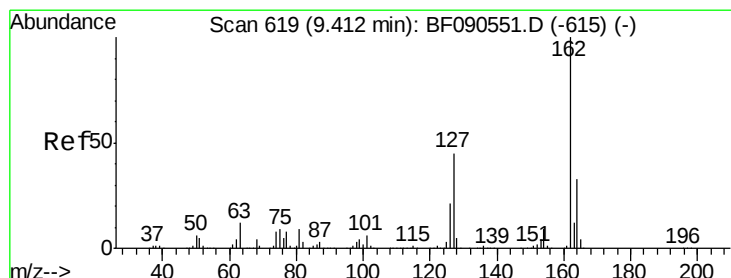
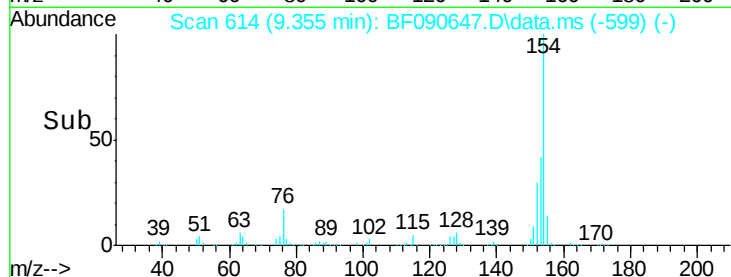
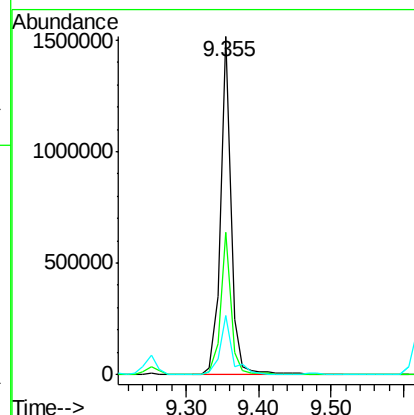
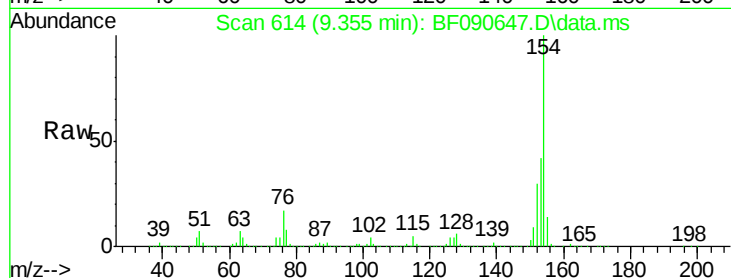
Tot Ion:154 Resp: 1551334

Ion Ratio Lower Upper

154 100

153 42.1 21.5 61.5

76 17.3 0.0 36.0



#46

2-Chloronaphthalene

Concen: 32.83 ng

RT: 9.378 min Scan# 616

Delta R.T. -0.023 min

Lab File: BF090647.D

Acq: 19 Oct 2016 15:04

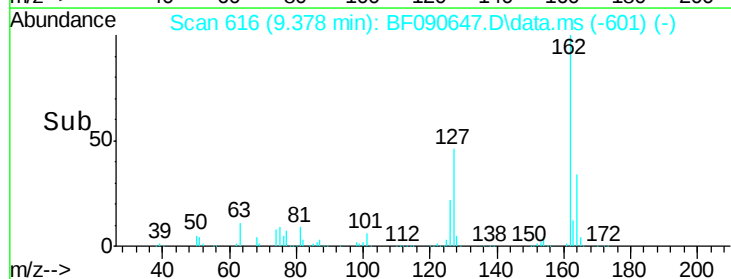
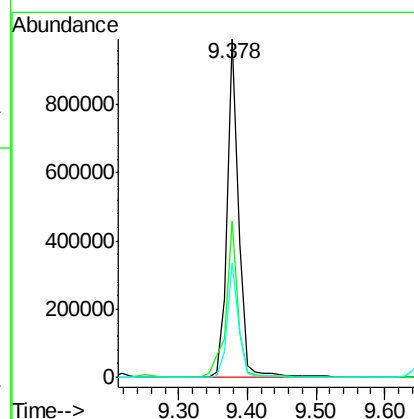
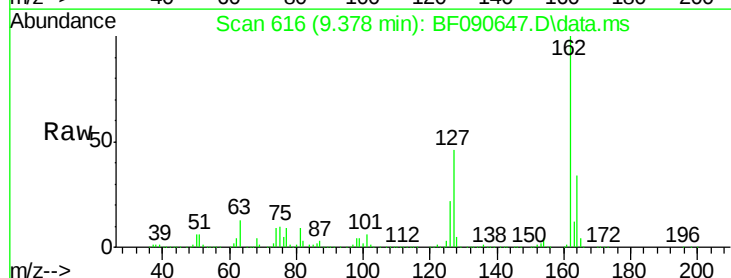
Tgt Ion:162 Resp: 1188531

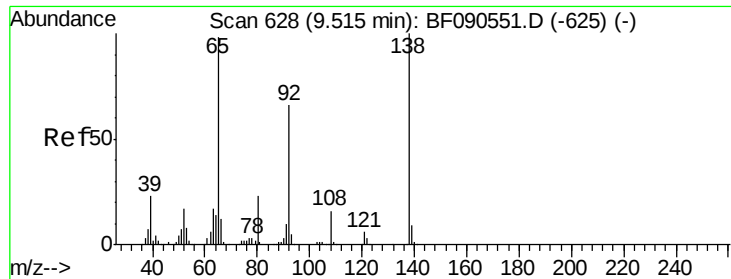
Ion Ratio Lower Upper

162 100

127 46.1 35.9 53.9

164 33.6 26.7 40.1

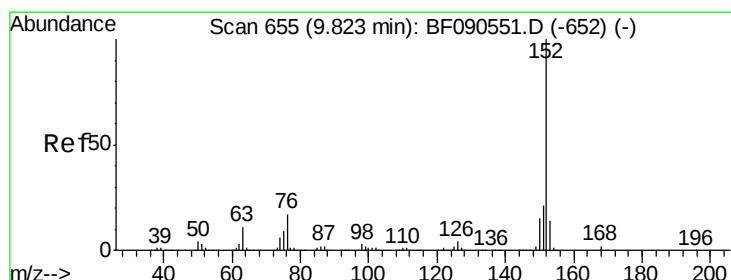
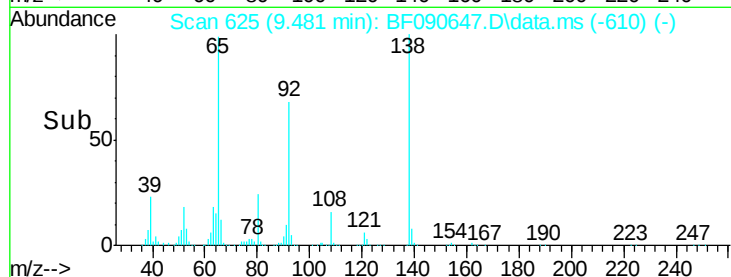
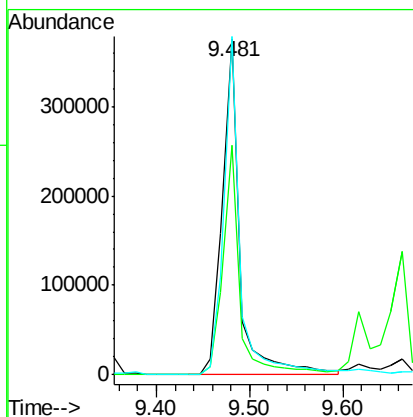
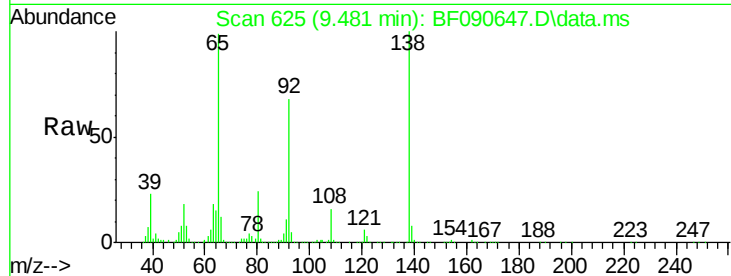




#47
2-Nitroaniline
Concen: 37.18 ng
RT: 9.481 min Scan# 62
Delta R.T. -0.023 min
Lab File: BF090647.D
Acq: 19 Oct 2016 15:04

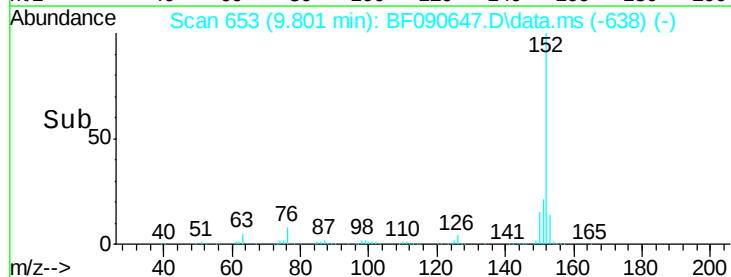
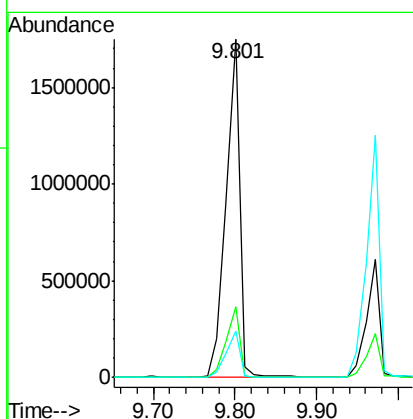
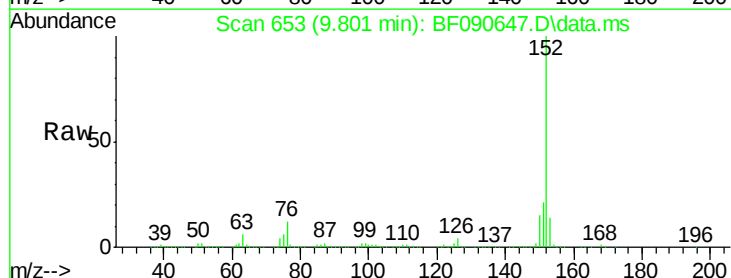
Instrument :
BNA_F
ClientSampleId :
SOIL-CUTTINGSMS

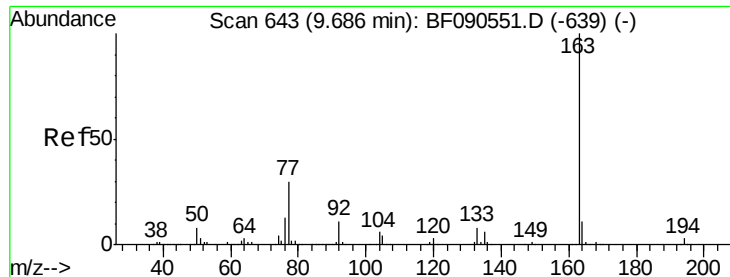
Tot Ion: 65 Resp: 487918
Ion Ratio Lower Upper
65 100
92 68.1 54.3 81.5
138 100.6 81.7 122.5



#48
Acenaphthylene
Concen: 34.82 ng
RT: 9.801 min Scan# 653
Delta R.T. -0.023 min
Lab File: BF090647.D
Acq: 19 Oct 2016 15:04

Tgt Ion: 152 Resp: 2007284
Ion Ratio Lower Upper
152 100
151 21.1 16.6 25.0
153 13.8 11.3 16.9





#49

Dimethylphthalate

Concen: 37.71 ng

RT: 9.663 min Scan# 641

Delta R.T. -0.011 min

Lab File: BF090647.D

Acq: 19 Oct 2016 15:04

Instrument :

BNA_F

ClientSampleId :

SOIL-CUTTINGSMS

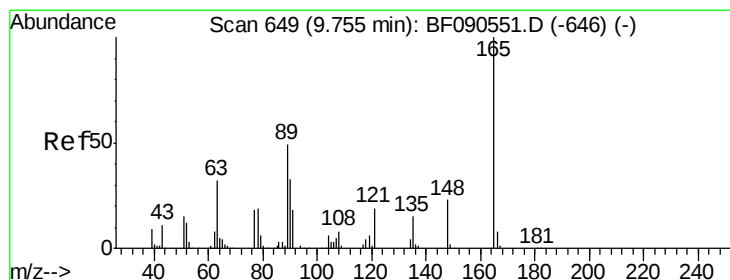
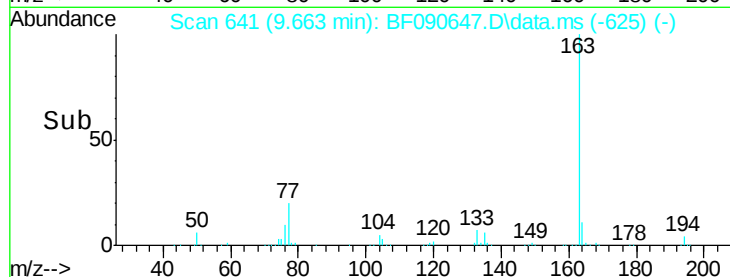
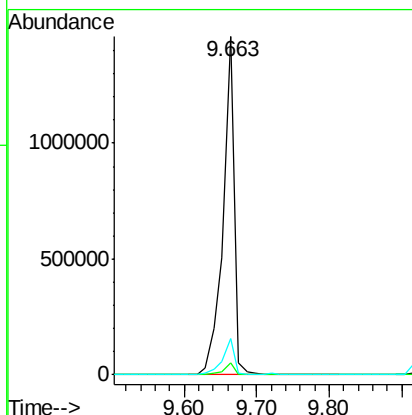
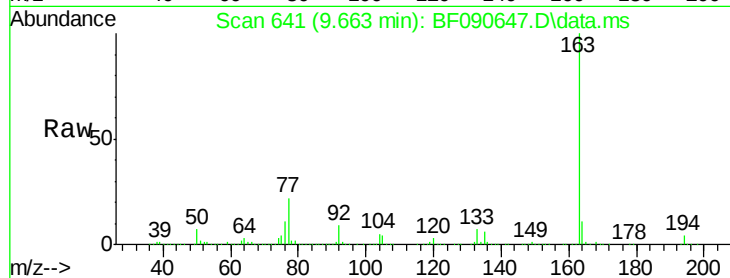
Tot Ion:163 Resp: 1561066

Ion Ratio Lower Upper

163 100

194 3.6 2.3 3.5#

164 10.6 8.6 13.0



#50

2,6-Dinitrotoluene

Concen: 36.05 ng

RT: 9.721 min Scan# 646

Delta R.T. -0.023 min

Lab File: BF090647.D

Acq: 19 Oct 2016 15:04

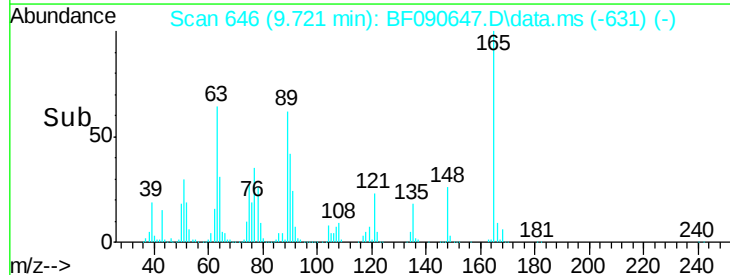
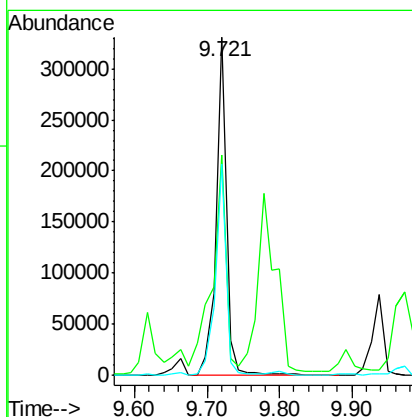
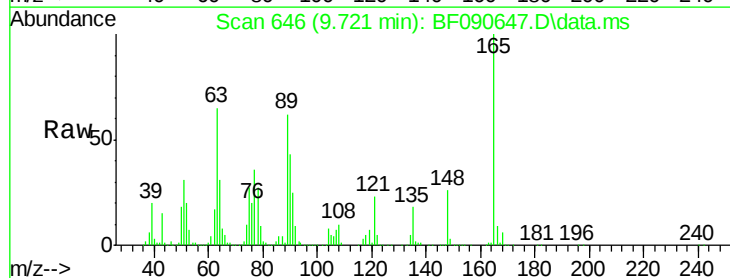
Tgt Ion:165 Resp: 326537

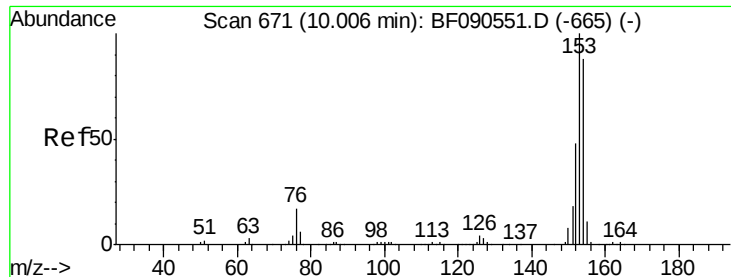
Ion Ratio Lower Upper

165 100

63 65.2 40.1 60.1#

89 62.4 39.5 59.3#





#51

Acenaphthene

Concen: 37.03 ng

RT: 9.972 min Scan# 661

Delta R.T. -0.023 min

Lab File: BF090647.D

Acq: 19 Oct 2016 15:04

Instrument :

BNA_F

ClientSampleId :

SOIL-CUTTINGSMS

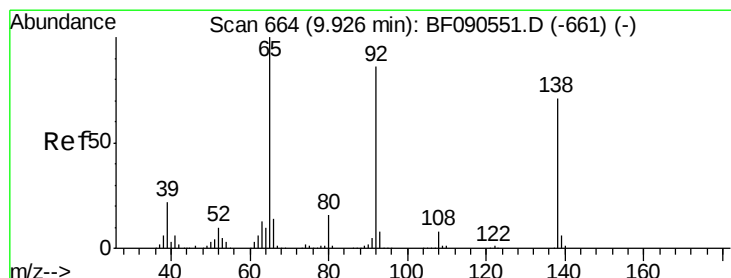
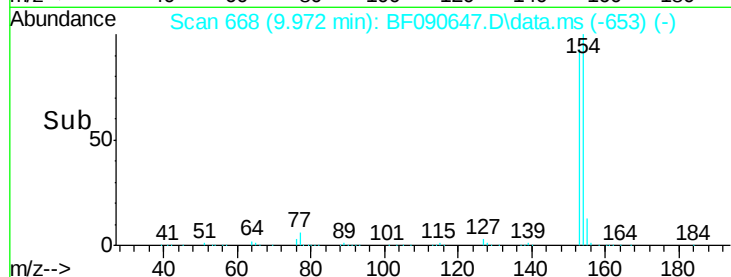
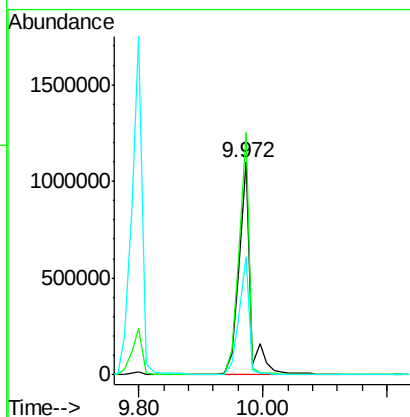
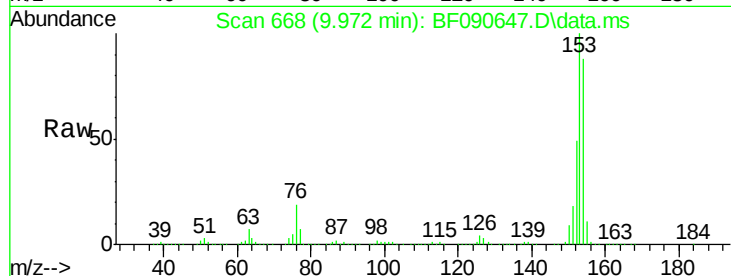
Tot Ion:154 Resp: 1418971

Ion Ratio Lower Upper

154 100

153 113.8 91.2 136.8

152 55.6 44.0 66.0



#52

3-Nitroaniline

Concen: 16.34 ng

RT: 9.892 min Scan# 661

Delta R.T. -0.023 min

Lab File: BF090647.D

Acq: 19 Oct 2016 15:04

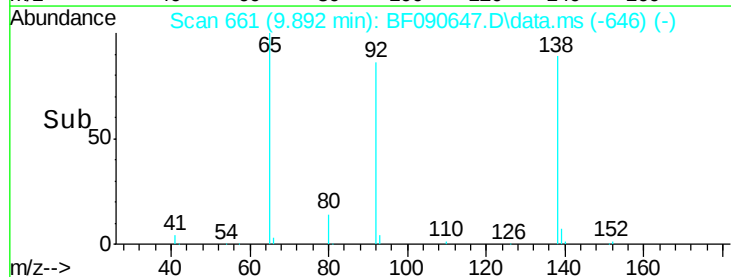
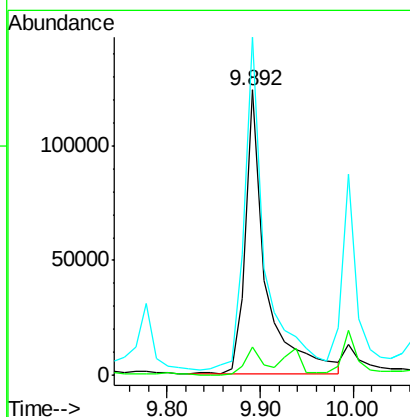
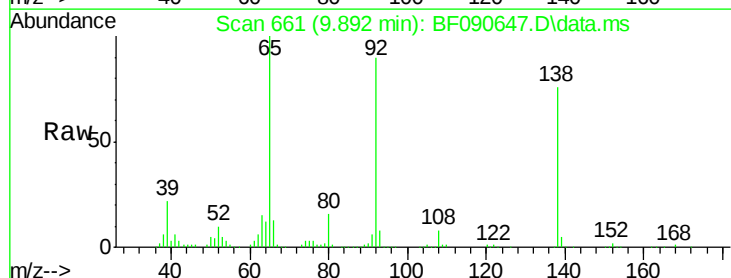
Tgt Ion:138 Resp: 185691

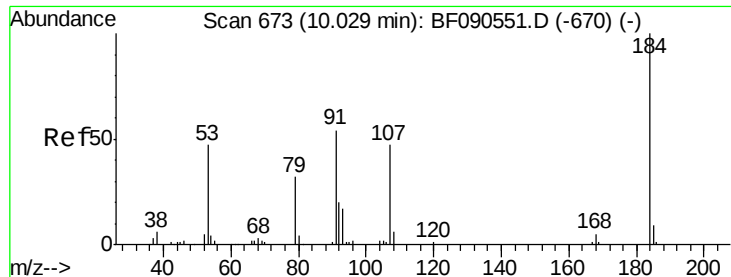
Ion Ratio Lower Upper

138 100

108 10.0 8.6 12.8

92 118.4 97.8 146.8

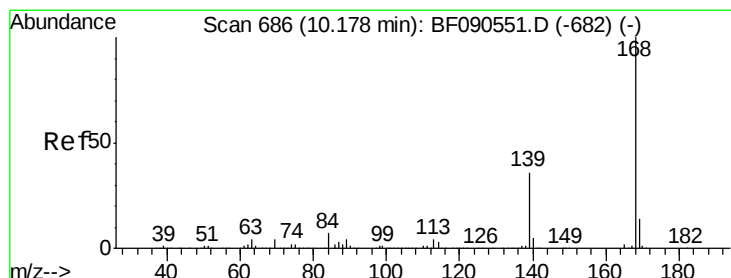
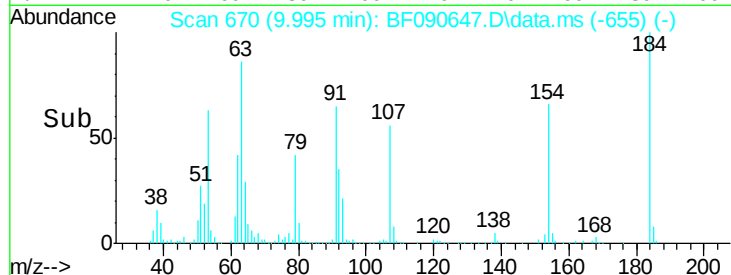
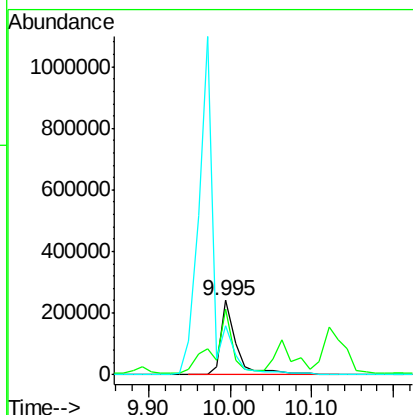
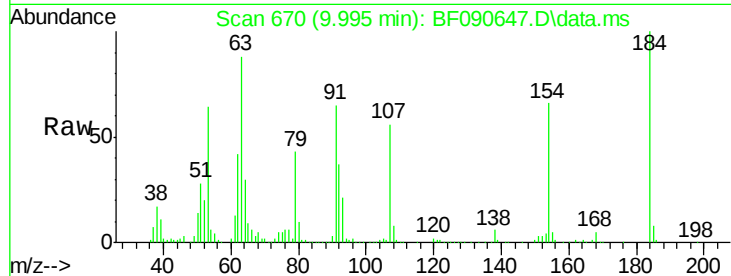




#53
 2,4-Dinitrophenol
 Concen: 65.10 ng
 RT: 9.995 min Scan# 67
 Delta R.T. -0.023 min
 Lab File: BF090647.D
 Acq: 19 Oct 2016 15:04

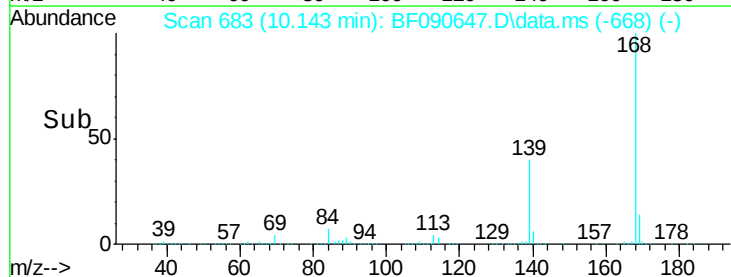
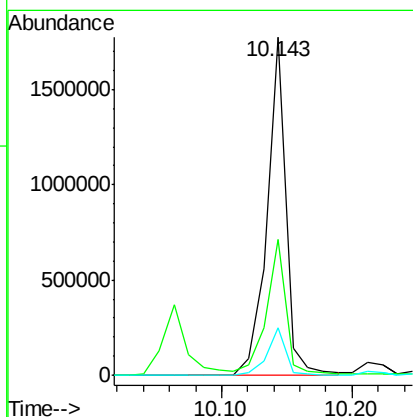
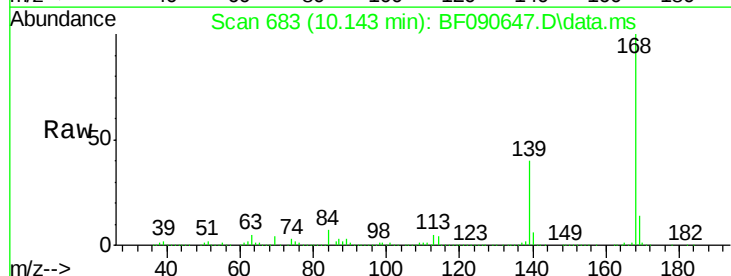
Instrument :
 BNA_F
 ClientSampleId :
 SOIL-CUTTINGSMS

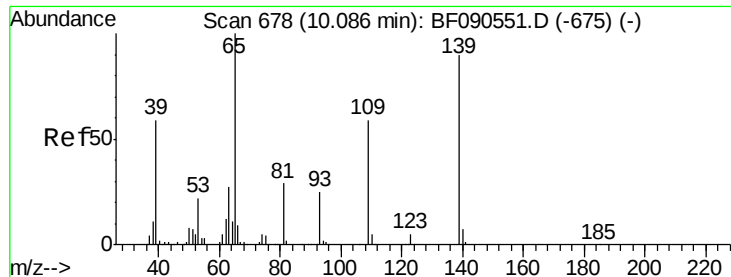
Tot Ion:184 Resp: 314551
 Ion Ratio Lower Upper
 184 100
 63 88.2 60.2 90.2
 154 66.3 86.1 129.1#



#54
 Dibenzofuran
 Concen: 35.78 ng
 RT: 10.143 min Scan# 683
 Delta R.T. -0.023 min
 Lab File: BF090647.D
 Acq: 19 Oct 2016 15:04

Tgt Ion:168 Resp: 1803274
 Ion Ratio Lower Upper
 168 100
 139 40.3 30.5 45.7
 169 14.2 10.9 16.3





#55

4-Nitrophenol

Concen: 70.98 ng

RT: 10.063 min Scan# 67

Delta R.T. -0.011 min

Lab File: BF090647.D

Acq: 19 Oct 2016 15:04

Instrument :

BNA_F

ClientSampleId :

SOIL-CUTTINGSMS

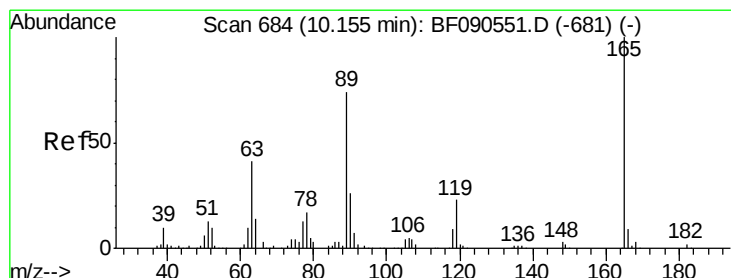
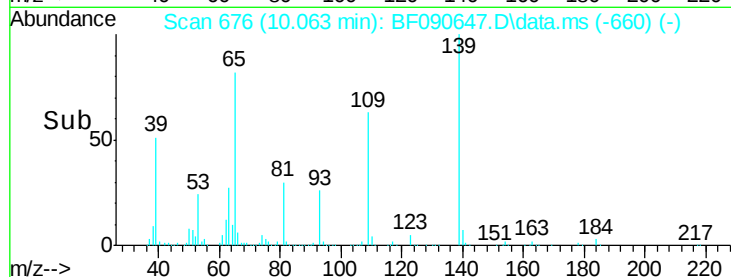
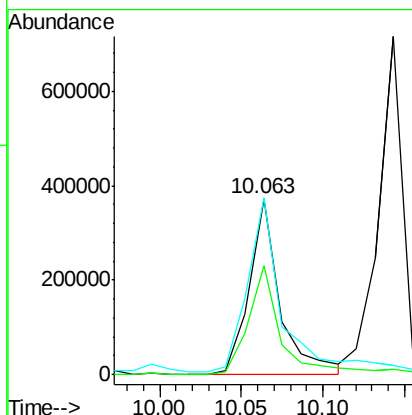
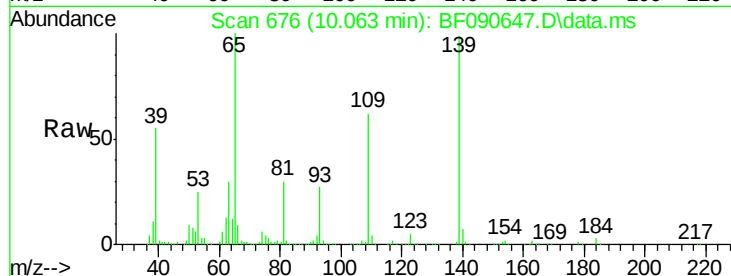
Tot Ion:139 Resp: 485556

Ion Ratio Lower Upper

139 100

109 62.2 45.9 85.9

65 100.8 95.8 135.8



#56

2,4-Dinitrotoluene

Concen: 37.43 ng

RT: 10.132 min Scan# 682

Delta R.T. -0.011 min

Lab File: BF090647.D

Acq: 19 Oct 2016 15:04

Tgt Ion:165 Resp: 460583

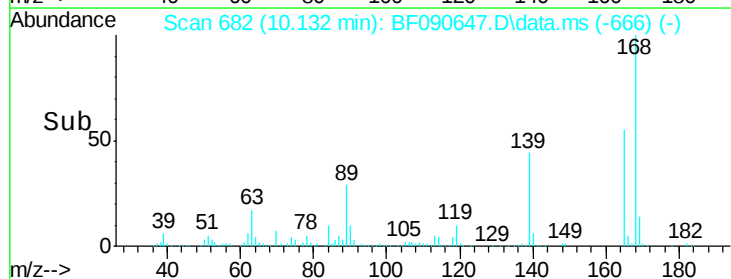
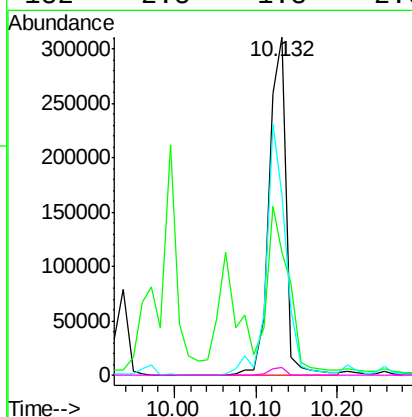
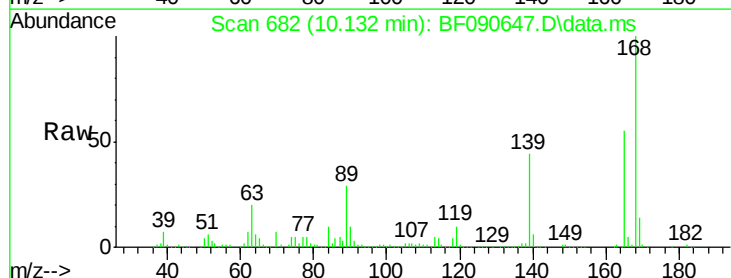
Ion Ratio Lower Upper

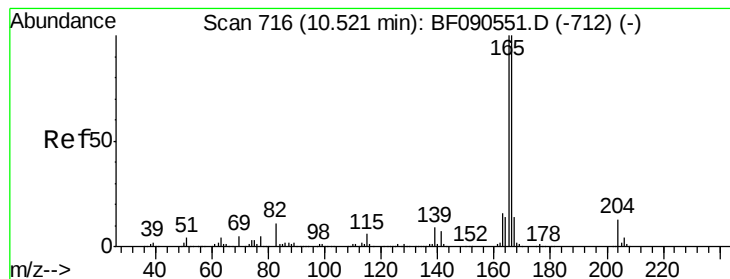
165 100

63 36.3 35.4 53.0

89 53.3 59.0 88.4#

182 2.5 1.8 2.6





#57

Fluorene

Concen: 33.86 ng

RT: 10.486 min Scan# 71

Delta R.T. -0.023 min

Lab File: BF090647.D

Acq: 19 Oct 2016 15:04

Instrument :

BNA_F

ClientSampleId :

SOIL-CUTTINGSMS

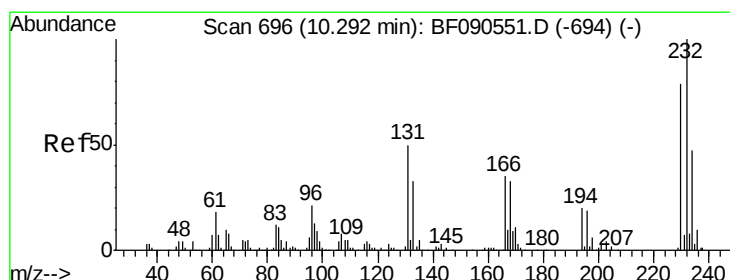
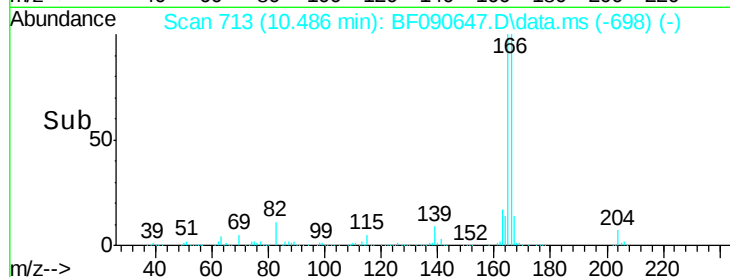
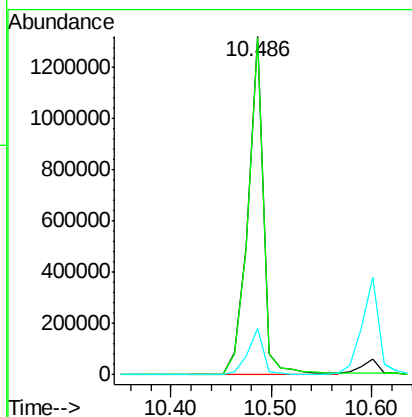
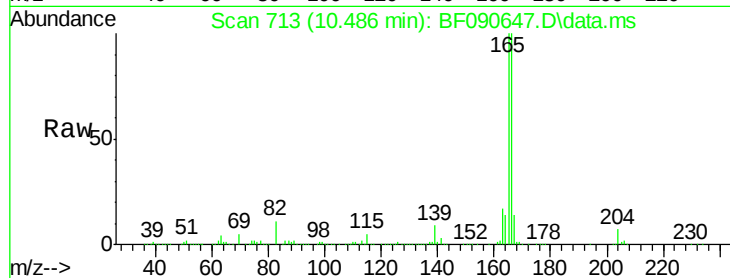
Tot Ion:166 Resp: 1407685

Ion Ratio Lower Upper

166 100

165 99.8 79.9 119.9

167 13.8 10.9 16.3



#58

2,3,4,6-Tetrachlorophenol

Concen: 35.94 ng

RT: 10.258 min Scan# 693

Delta R.T. -0.023 min

Lab File: BF090647.D

Acq: 19 Oct 2016 15:04

Tgt Ion:232 Resp: 340735

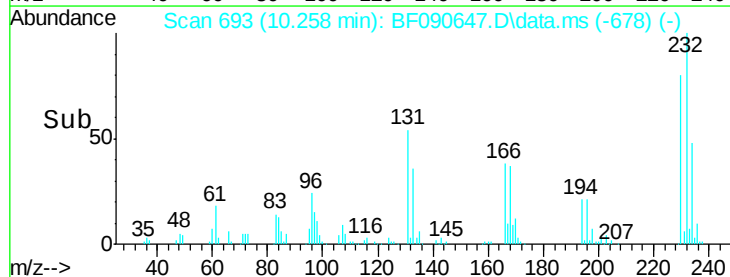
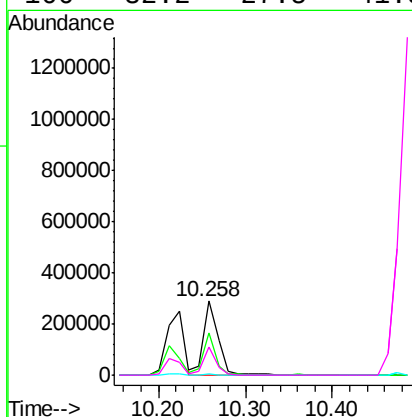
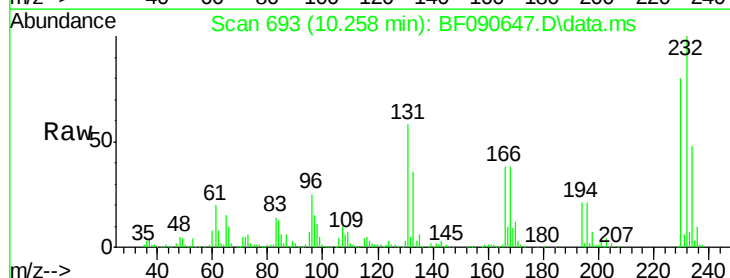
Ion Ratio Lower Upper

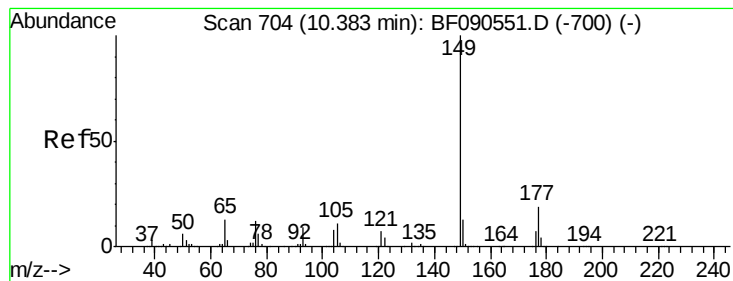
232 100

131 48.7 42.6 64.0

130 2.2 1.8 2.8

166 32.2 27.5 41.3





#59

Diethylphthalate

Concen: 35.14 ng

RT: 10.361 min Scan# 70

Delta R.T. -0.023 min

Lab File: BF090647.D

Acq: 19 Oct 2016 15:04

Instrument :

BNA_F

ClientSampleId :

SOIL-CUTTINGSMS

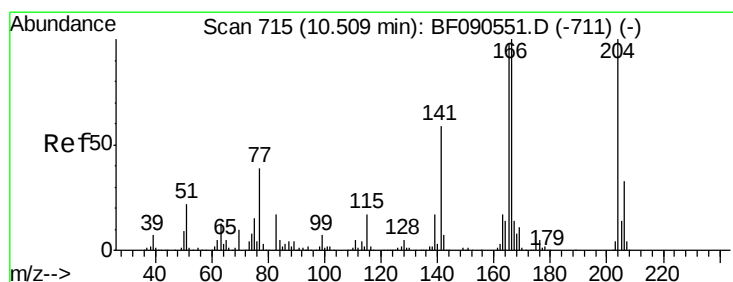
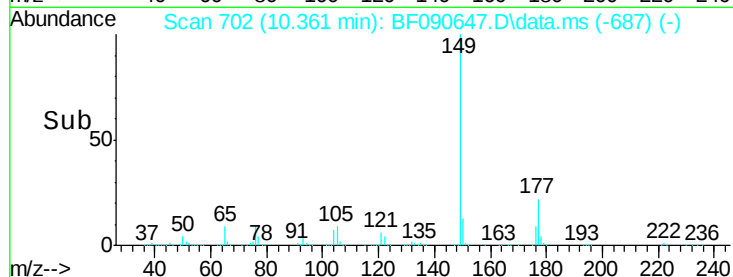
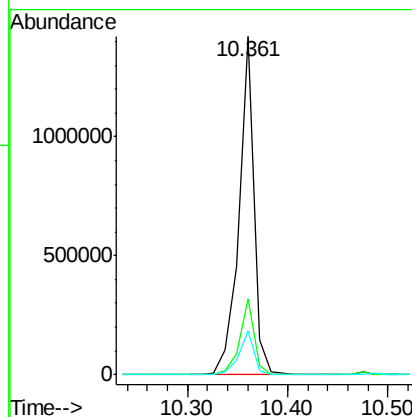
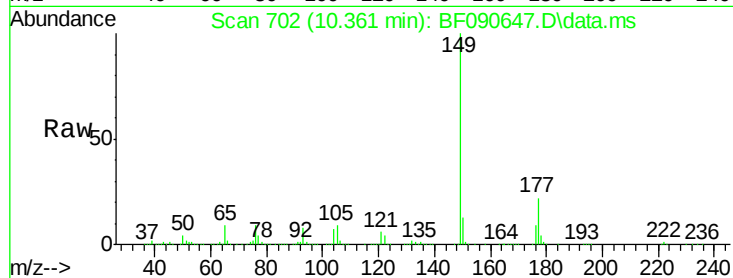
Tot Ion:149 Resp: 1475155

Ion Ratio Lower Upper

149 100

177 22.3 15.3 22.9

150 12.9 10.3 15.5



#60

4-Chlorophenyl-phenylether

Concen: 33.54 ng

RT: 10.475 min Scan# 712

Delta R.T. -0.023 min

Lab File: BF090647.D

Acq: 19 Oct 2016 15:04

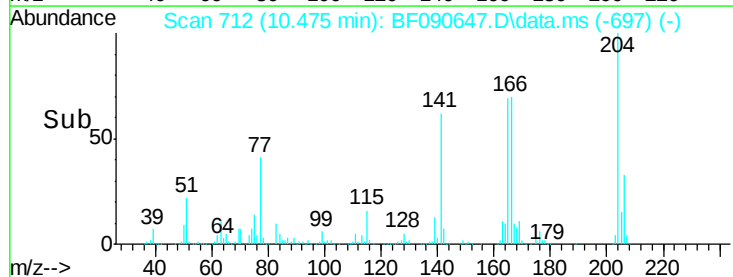
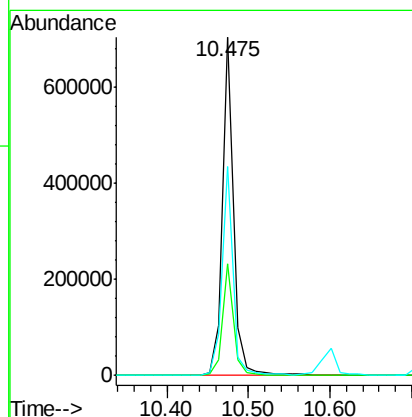
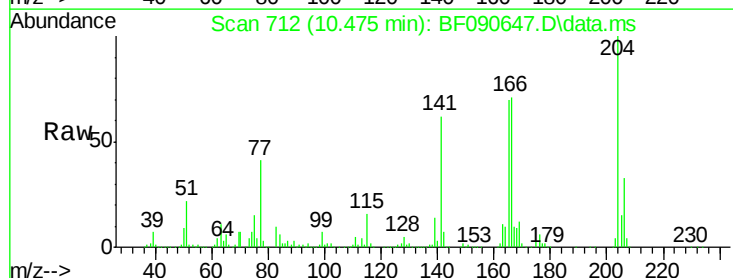
Tgt Ion:204 Resp: 657365

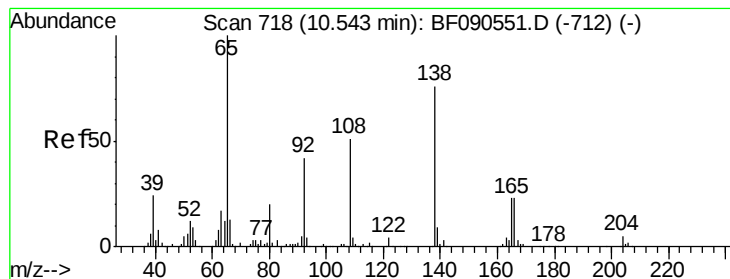
Ion Ratio Lower Upper

204 100

206 33.0 26.5 39.7

141 61.7 47.2 70.8





#61

4-Nitroaniline

Concen: 28.31 ng

RT: 10.509 min Scan# 71

Delta R.T. -0.023 min

Lab File: BF090647.D

Acq: 19 Oct 2016 15:04

Instrument :

BNA_F

ClientSampleId :

SOIL-CUTTINGSMS

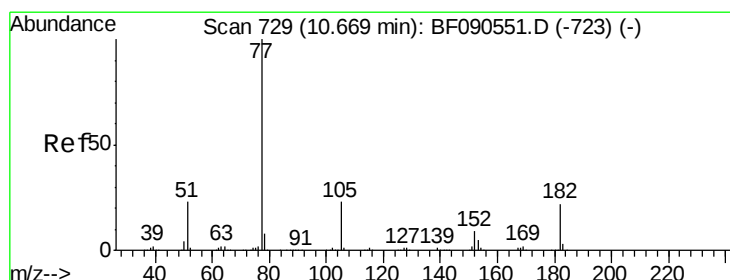
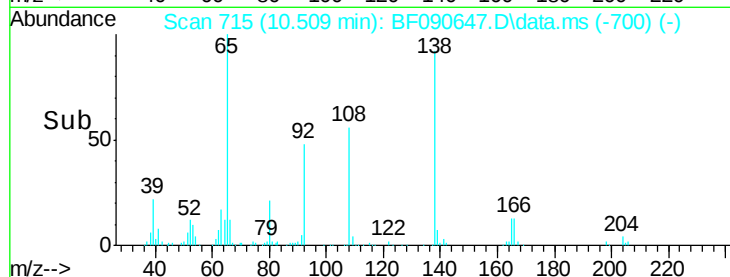
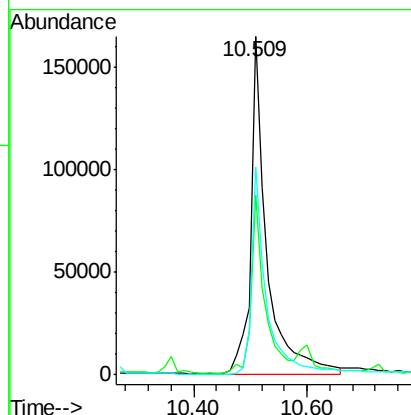
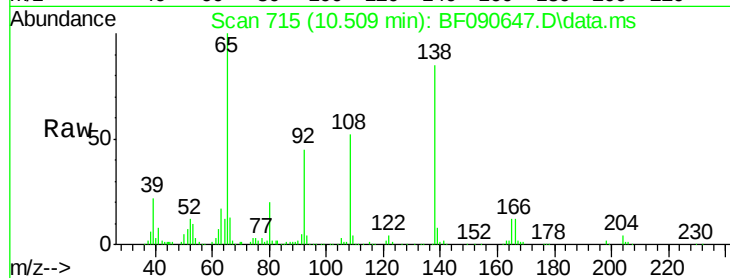
Tot Ion:138 Resp: 322713

Ion Ratio Lower Upper

138 100

92 52.9 35.7 75.7

108 61.5 46.9 86.9



#62

Azobenzene

Concen: 31.31 ng

RT: 10.635 min Scan# 726

Delta R.T. -0.023 min

Lab File: BF090647.D

Acq: 19 Oct 2016 15:04

Tgt Ion: 77 Resp: 1520743

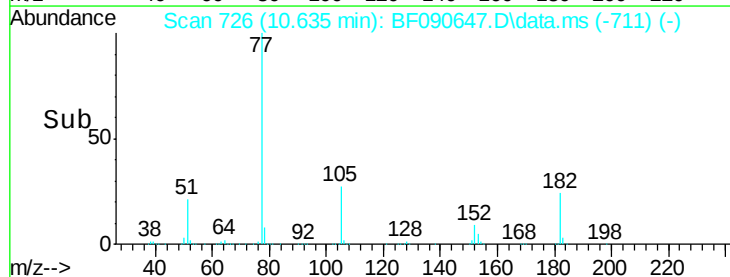
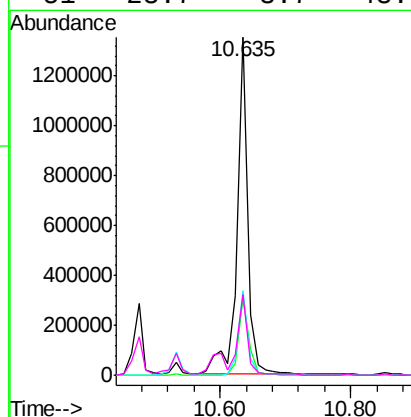
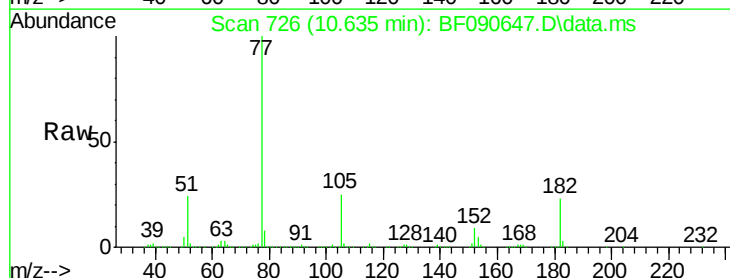
Ion Ratio Lower Upper

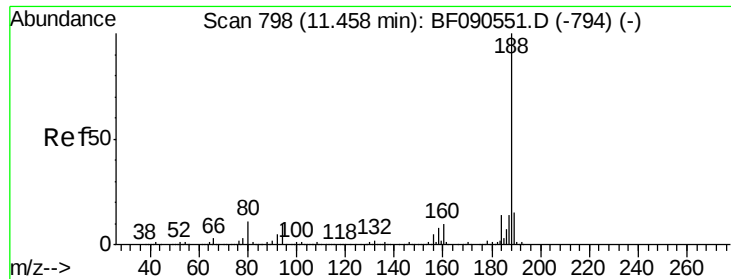
77 100

182 22.7 2.2 42.2

105 25.1 3.5 43.5

51 23.7 3.7 43.7

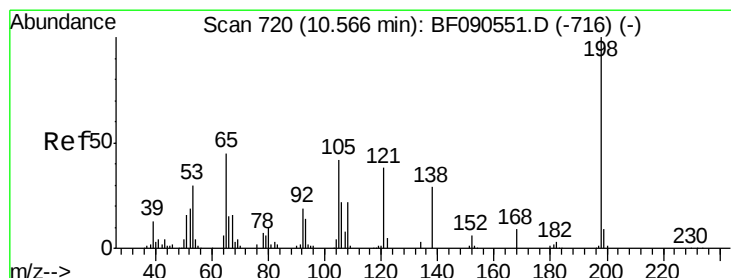
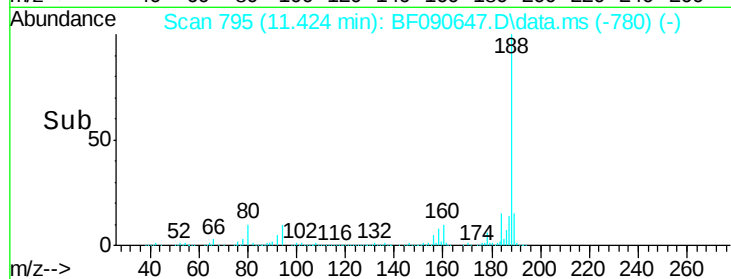
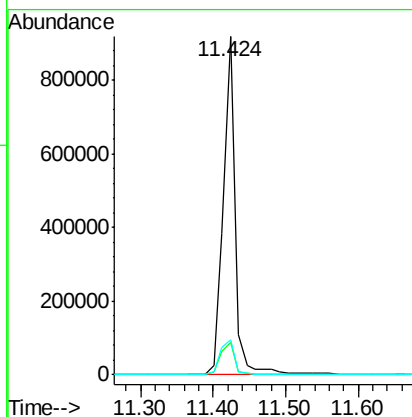
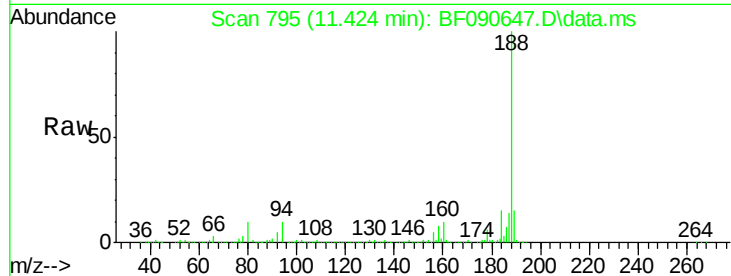




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.424 min Scan# 79
Delta R.T. -0.023 min
Lab File: BF090647.D
Acq: 19 Oct 2016 15:04

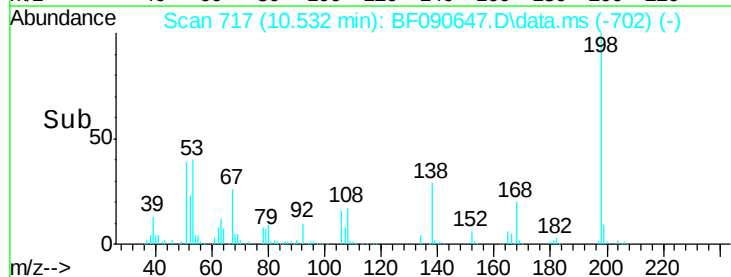
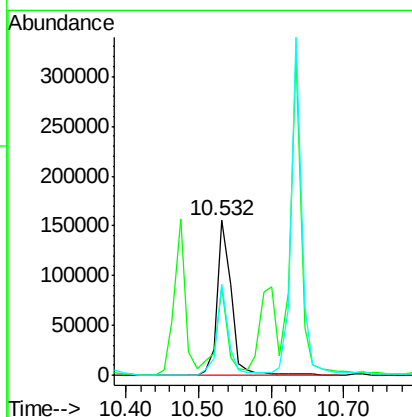
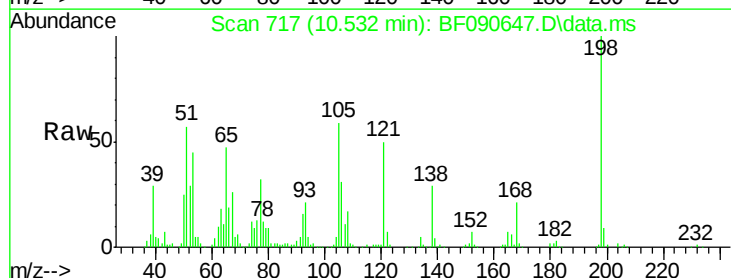
Instrument :
BNA_F
ClientSampleId :
SOIL-CUTTINGSMS

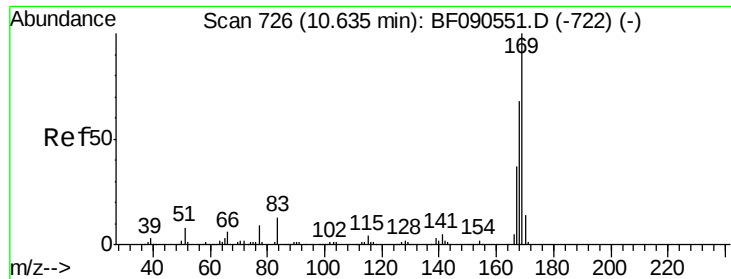
Tot Ion:188 Resp: 1052589
Ion Ratio Lower Upper
188 100
94 9.5 7.7 11.5
80 10.4 8.6 12.8



#64
4,6-Dinitro-2-methylphenol
Concen: 33.26 ng
RT: 10.532 min Scan# 717
Delta R.T. -0.023 min
Lab File: BF090647.D
Acq: 19 Oct 2016 15:04

Tgt Ion:198 Resp: 211863
Ion Ratio Lower Upper
198 100
51 56.8 19.7 59.7
105 59.0 22.6 62.6





#65

n-Nitrosodiphenylamine

Concen: 35.01 ng

RT: 10.601 min Scan# 72

Delta R.T. -0.023 min

Lab File: BF090647.D

Acq: 19 Oct 2016 15:04

Instrument :

BNA_F

ClientSampleId :

SOIL-CUTTINGSMS

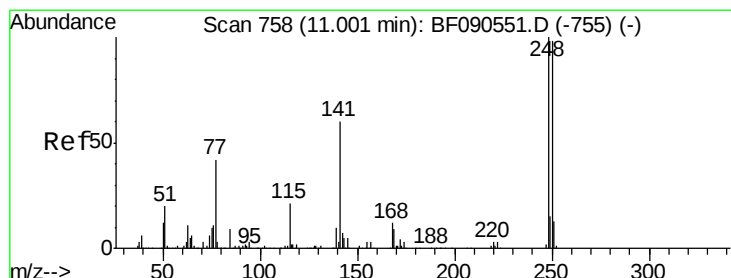
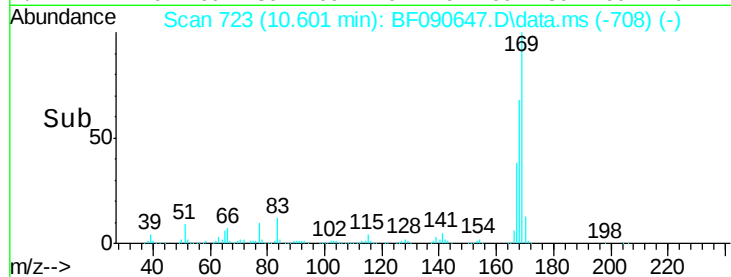
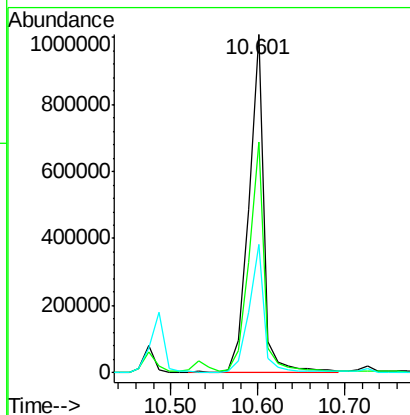
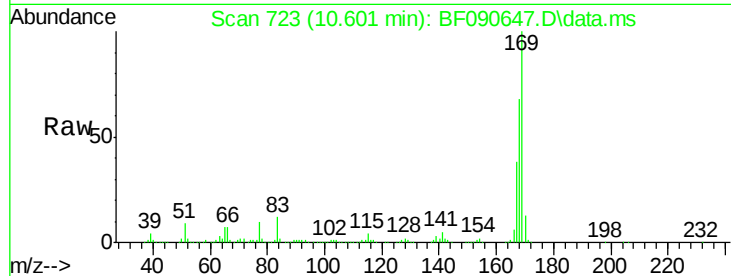
Tot Ion:169 Resp: 1217207

Ion Ratio Lower Upper

169 100

168 68.4 54.6 81.8

167 38.0 29.8 44.8



#66

4-Bromophenyl-phenylether

Concen: 36.47 ng

RT: 10.966 min Scan# 755

Delta R.T. -0.023 min

Lab File: BF090647.D

Acq: 19 Oct 2016 15:04

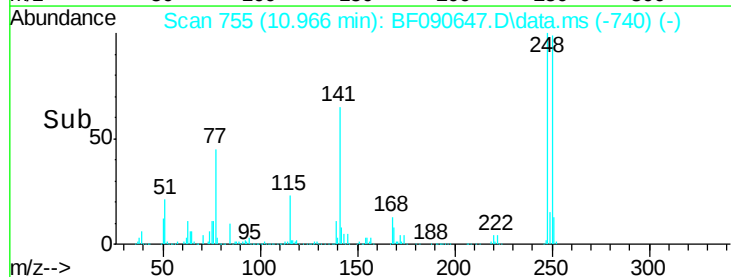
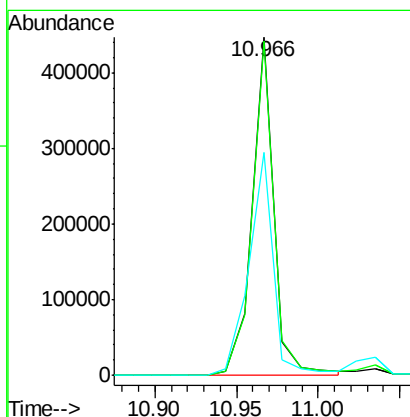
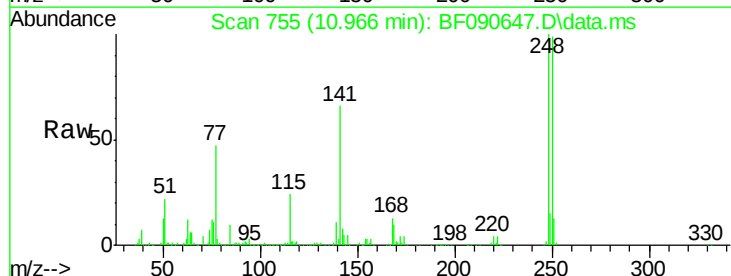
Tgt Ion:248 Resp: 411924

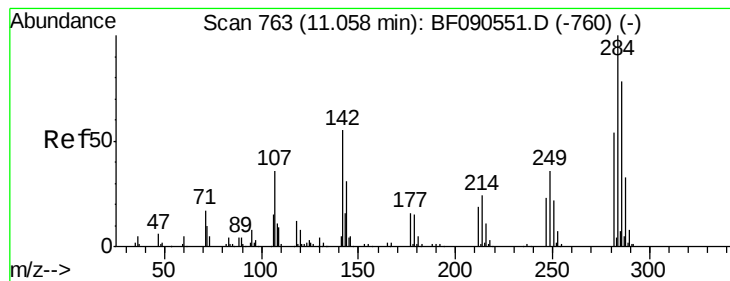
Ion Ratio Lower Upper

248 100

250 98.8 78.4 117.6

141 66.1 48.4 72.6





#67

Hexachlorobenzene

Concen: 39.56 ng

RT: 11.035 min Scan# 761

Delta R.T. -0.023 min

Lab File: BF090647.D

Acq: 19 Oct 2016 15:04

Instrument :

BNA_F

ClientSampleId :

SOIL-CUTTINGSMS

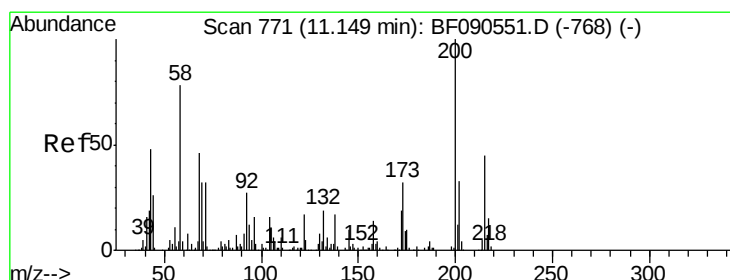
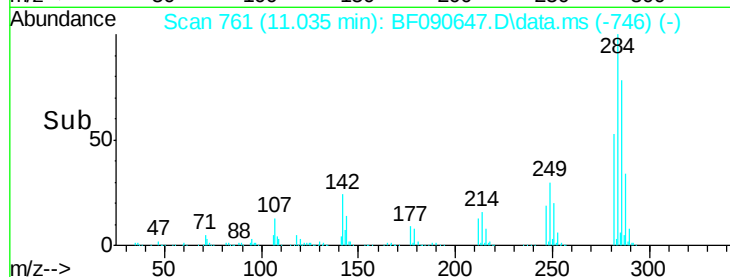
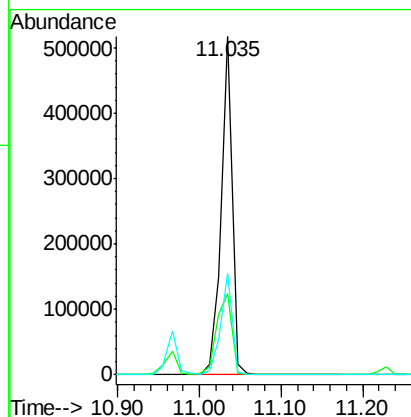
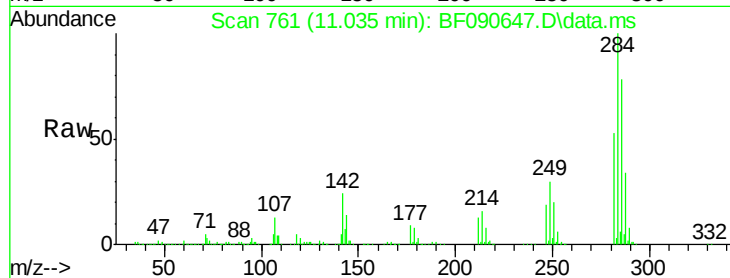
Tot Ion:284 Resp: 485155

Ion Ratio Lower Upper

284 100

142 24.1 44.5 66.7#

249 30.1 29.6 44.4



#68

Atrazine

Concen: 37.52 ng

RT: 11.126 min Scan# 769

Delta R.T. -0.023 min

Lab File: BF090647.D

Acq: 19 Oct 2016 15:04

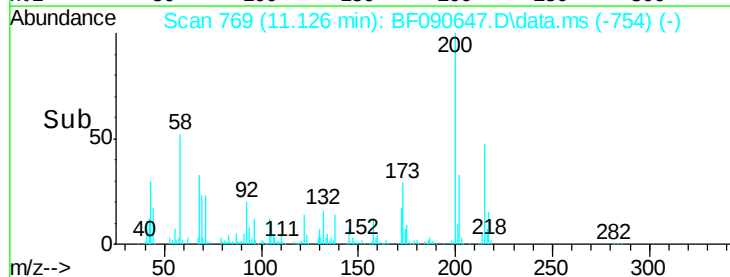
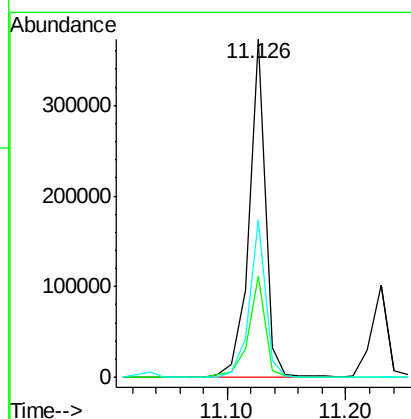
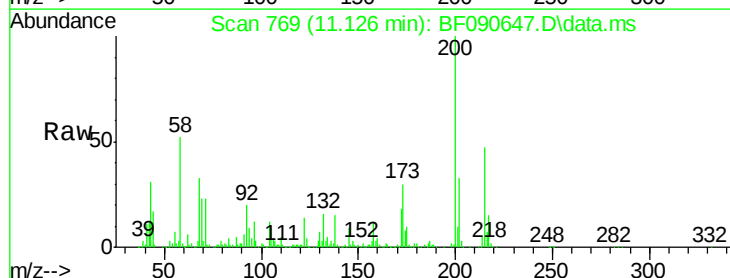
Tgt Ion:200 Resp: 360815

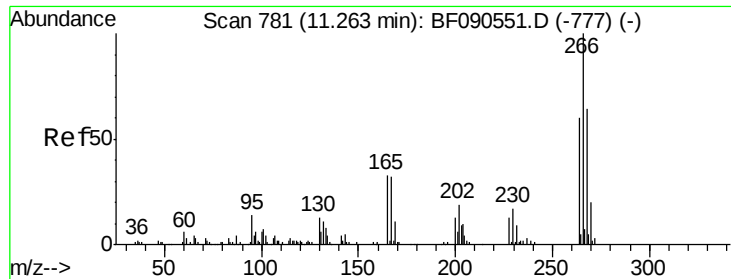
Ion Ratio Lower Upper

200 100

173 30.0 12.0 52.0

215 46.5 25.2 65.2

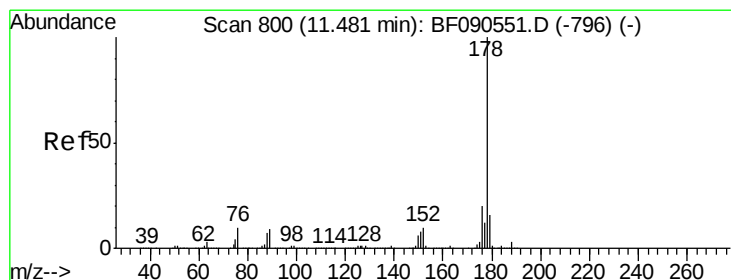
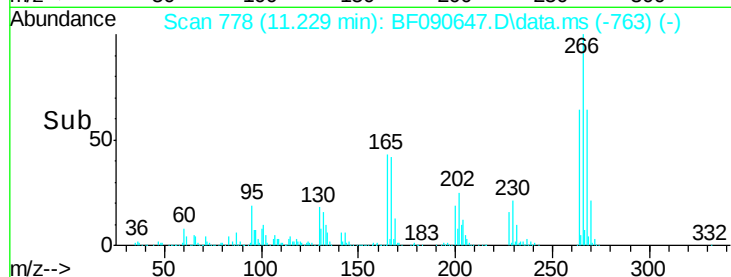
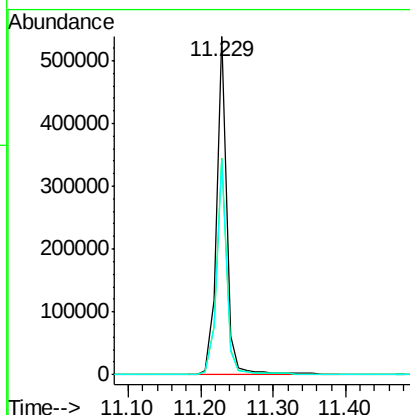
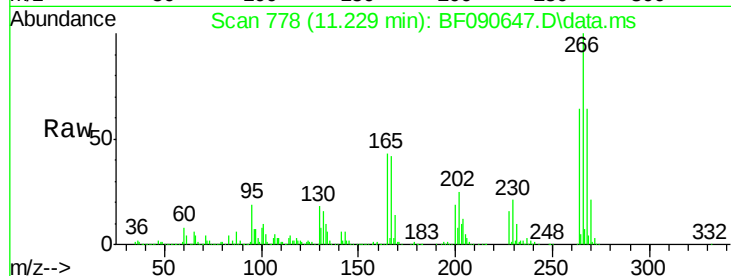




#69
 Pentachlorophenol
 Concen: 86.50 ng
 RT: 11.229 min Scan# 77
 Delta R.T. -0.023 min
 Lab File: BF090647.D
 Acq: 19 Oct 2016 15:04

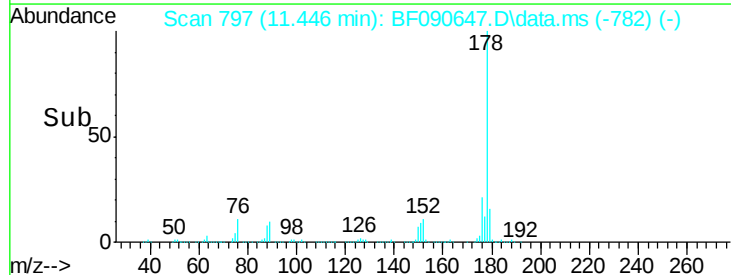
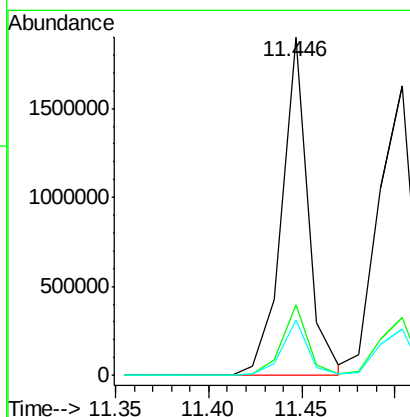
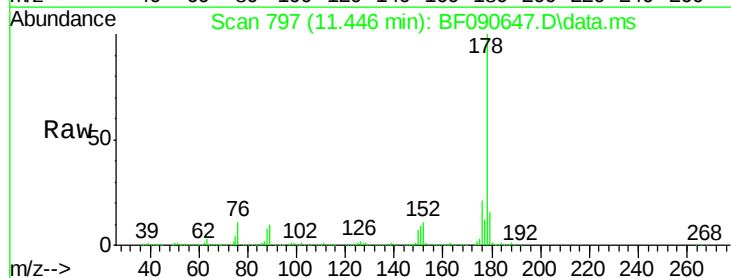
Instrument :
 BNA_F
 ClientSampleId :
 SOIL-CUTTINGSMS

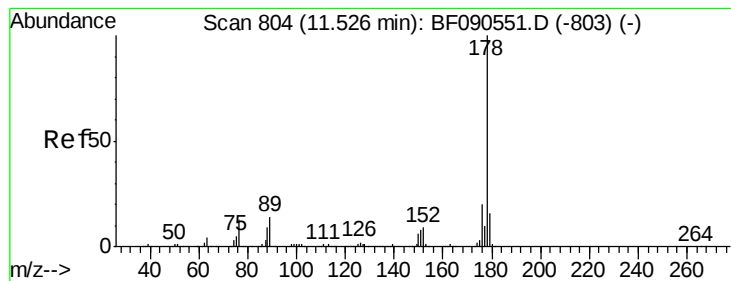
Tot Ion	Ratio	Lower	Upper
266	100		
268	63.9	51.5	77.3
264	63.6	47.9	71.9



#70
 Phenanthrene
 Concen: 33.41 ng
 RT: 11.446 min Scan# 797
 Delta R.T. -0.023 min
 Lab File: BF090647.D
 Acq: 19 Oct 2016 15:04

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.8	16.1	24.1
179	16.4	12.6	19.0





#71

Anthracene

Concen: 35.03 ng

RT: 11.504 min Scan# 80

Delta R.T. -0.011 min

Lab File: BF090647.D

Acq: 19 Oct 2016 15:04

Instrument :

BNA_F

ClientSampleId :

SOIL-CUTTINGSMS

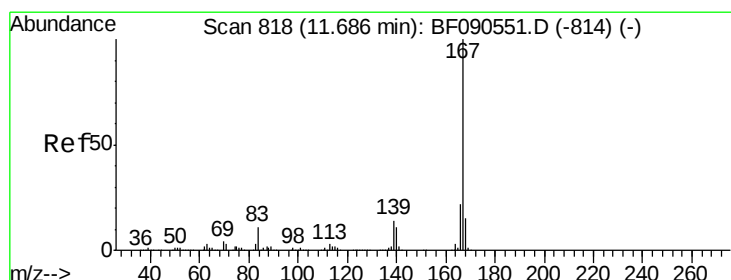
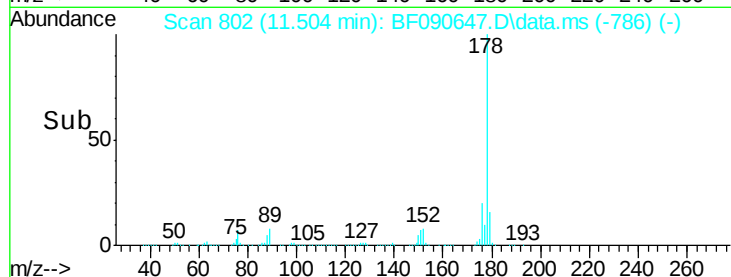
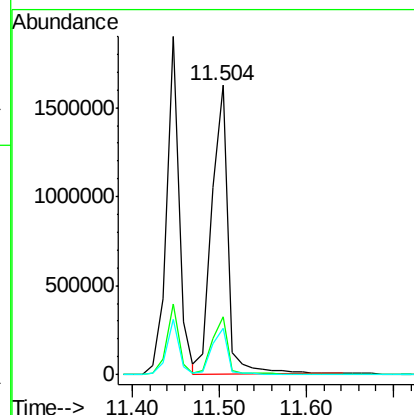
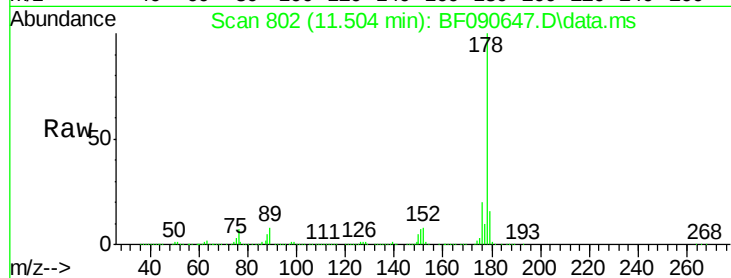
Tot Ion:178 Resp: 2118146

Ion Ratio Lower Upper

178 100

176 19.8 15.5 23.3

179 16.0 13.0 19.4



#72

Carbazole

Concen: 32.69 ng

RT: 11.652 min Scan# 815

Delta R.T. -0.023 min

Lab File: BF090647.D

Acq: 19 Oct 2016 15:04

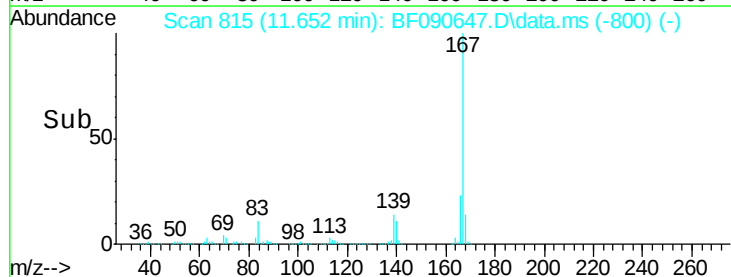
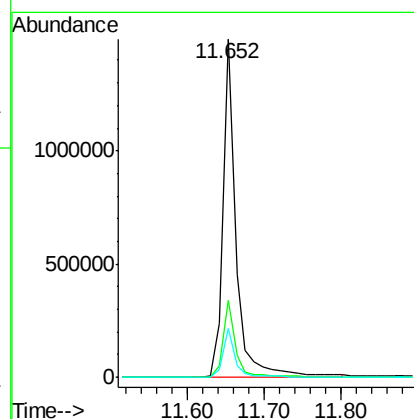
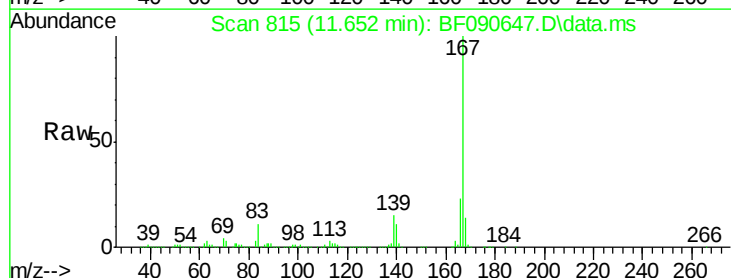
Tgt Ion:167 Resp: 1769542

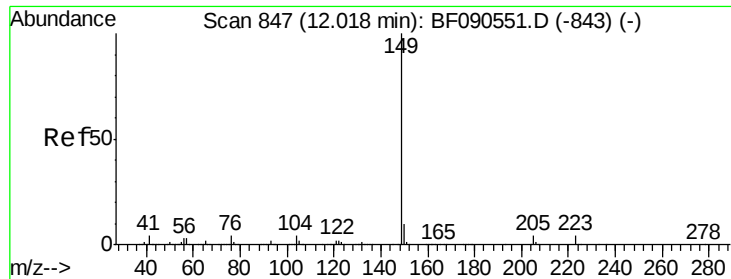
Ion Ratio Lower Upper

167 100

166 22.8 17.8 26.8

139 14.6 11.3 16.9

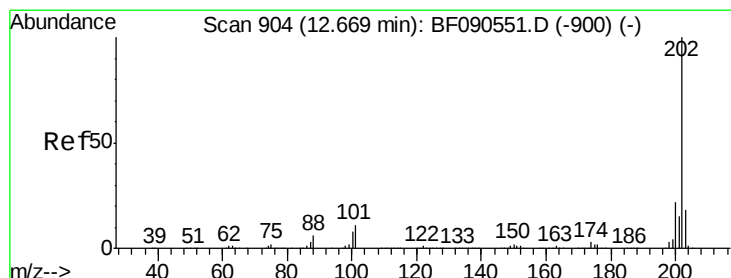
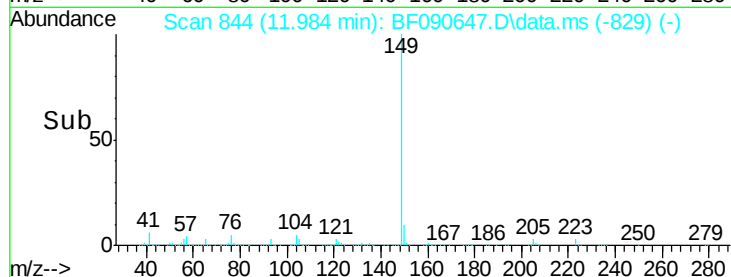
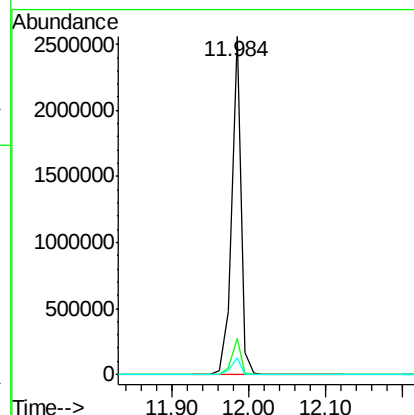
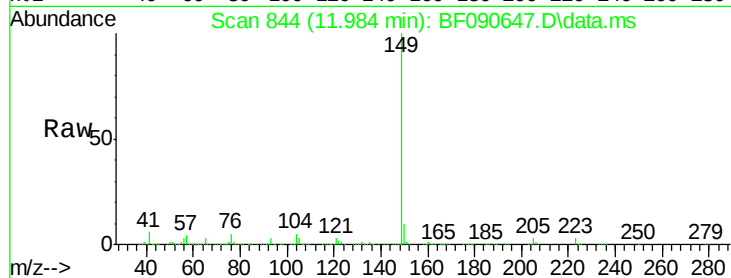




#73
Di-n-butylphthalate
Concen: 35.25 ng
RT: 11.984 min Scan# 84
Delta R.T. -0.023 min
Lab File: BF090647.D
Acq: 19 Oct 2016 15:04

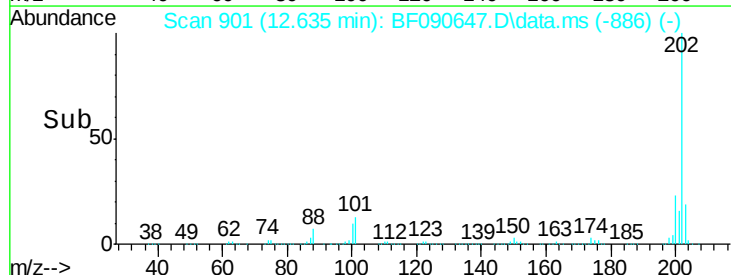
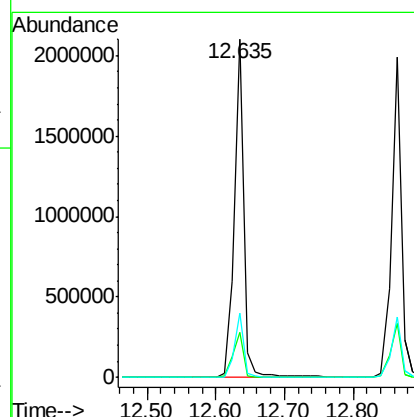
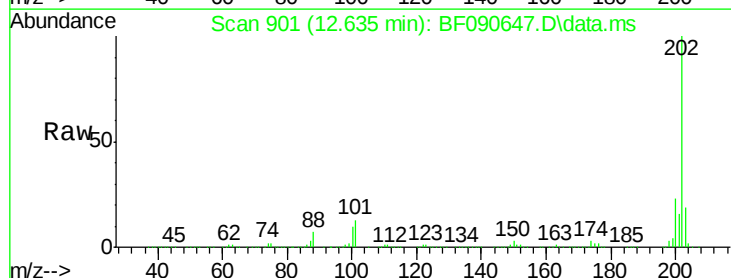
Instrument :
BNA_F
ClientSampleId :
SOIL-CUTTINGSMS

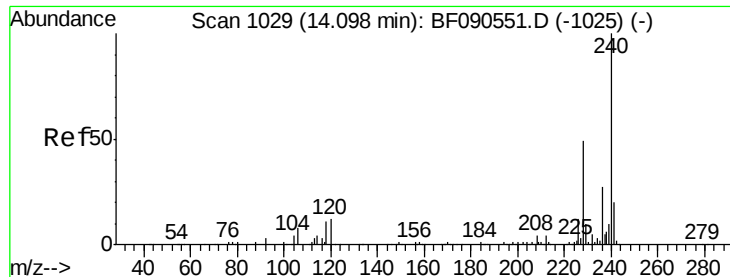
Tot Ion:149 Resp: 2235803
Ion Ratio Lower Upper
149 100
150 10.5 7.8 11.6
104 5.1 3.3 4.9#



#74
Fluoranthene
Concen: 36.48 ng
RT: 12.635 min Scan# 901
Delta R.T. -0.023 min
Lab File: BF090647.D
Acq: 19 Oct 2016 15:04

Tgt Ion:202 Resp: 2061528
Ion Ratio Lower Upper
202 100
101 13.1 0.0 31.1
203 19.0 0.0 38.0





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.064 min Scan# 10

Delta R.T. -0.023 min

Lab File: BF090647.D

Acq: 19 Oct 2016 15:04

Instrument :

BNA_F

ClientSampleId :

SOIL-CUTTINGSMS

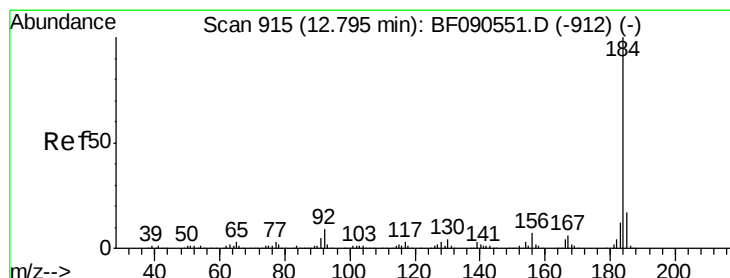
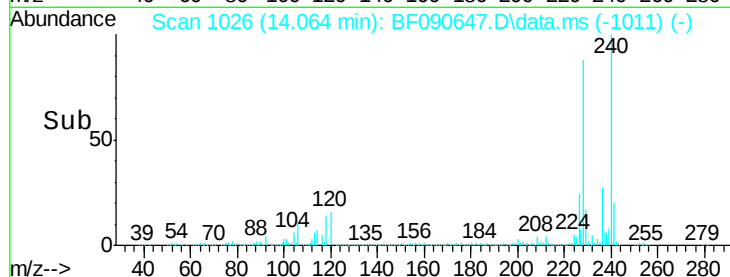
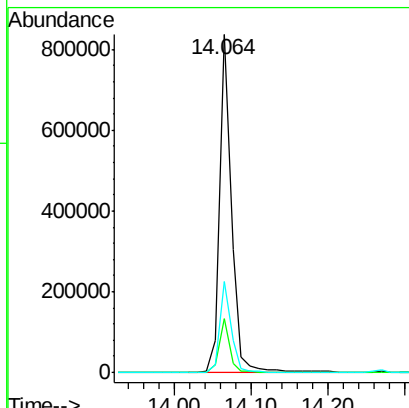
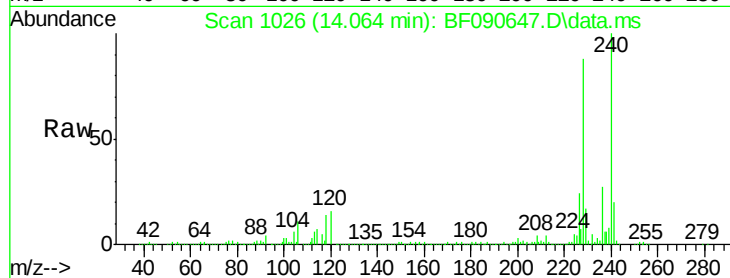
Tot Ion:240 Resp: 904796

Ion Ratio Lower Upper

240 100

120 16.0 9.8 14.8#

236 27.0 21.7 32.5



#76

Benzidine

Concen: 23.37 ng

RT: 12.761 min Scan# 912

Delta R.T. -0.023 min

Lab File: BF090647.D

Acq: 19 Oct 2016 15:04

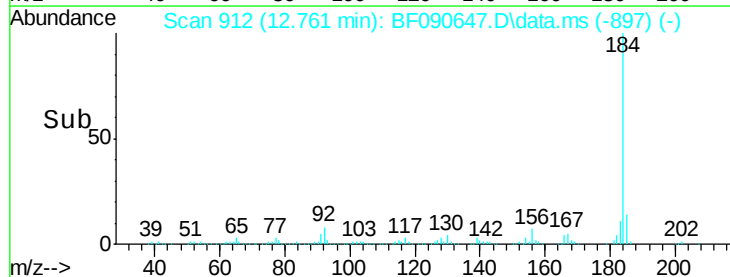
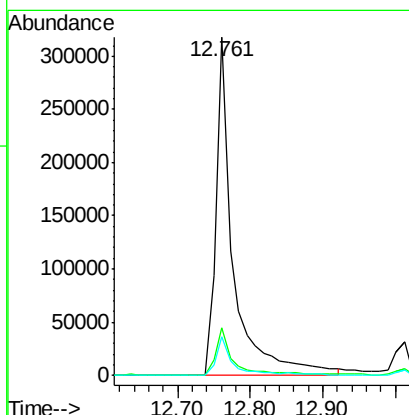
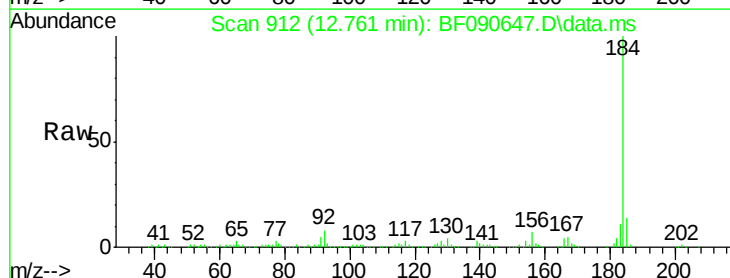
Tgt Ion:184 Resp: 526059

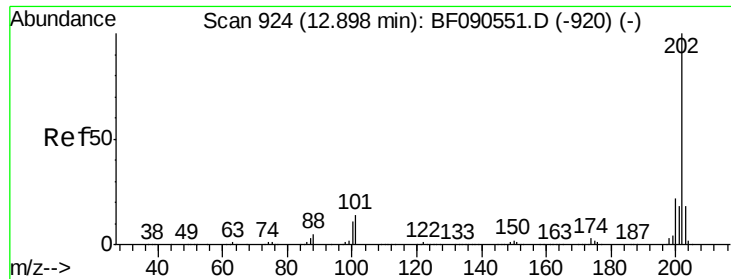
Ion Ratio Lower Upper

184 100

185 13.9 13.4 20.0

183 11.4 9.4 14.0

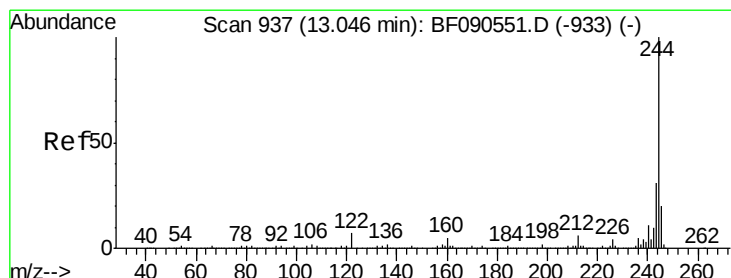
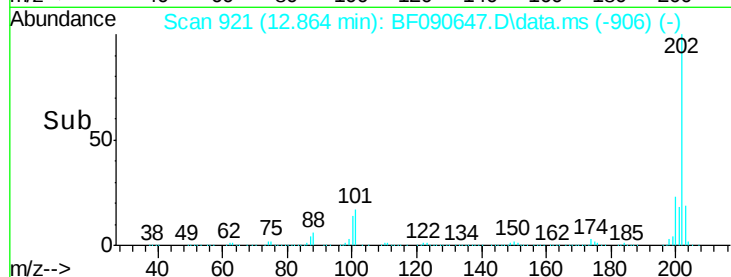
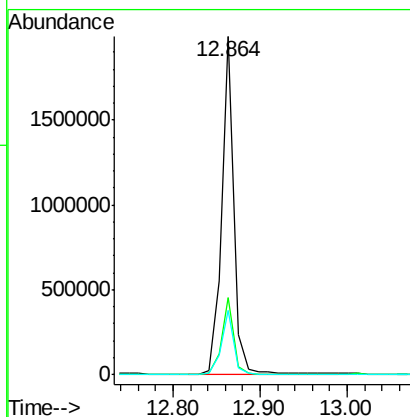
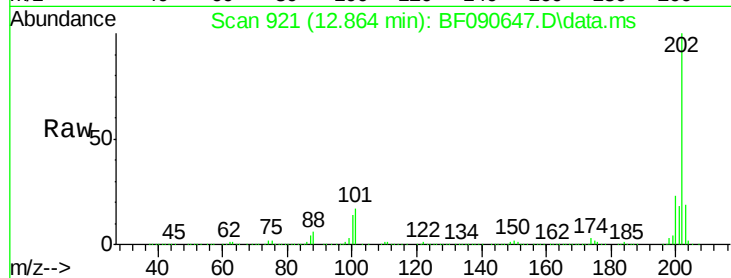




#77
Pvrene
Concen: 32.97 ng
RT: 12.864 min Scan# 92
Delta R.T. -0.023 min
Lab File: BF090647.D
Acq: 19 Oct 2016 15:04

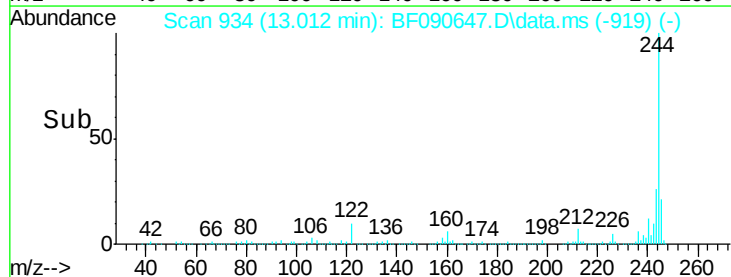
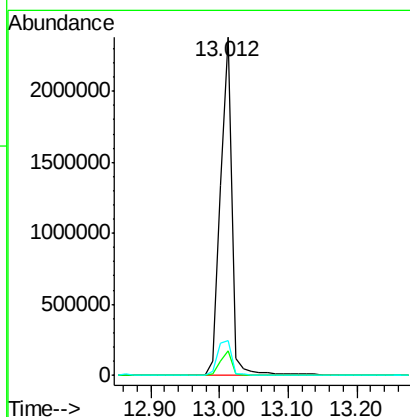
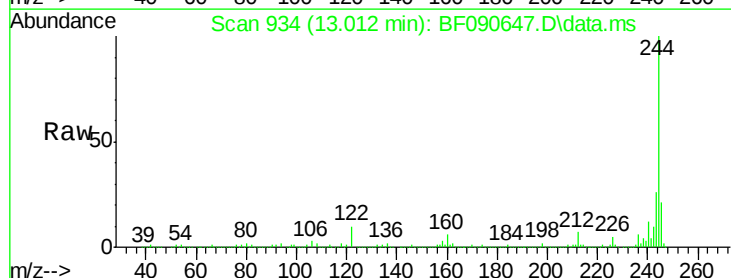
Instrument :
BNA_F
ClientSampleId :
SOIL-CUTTINGSMS

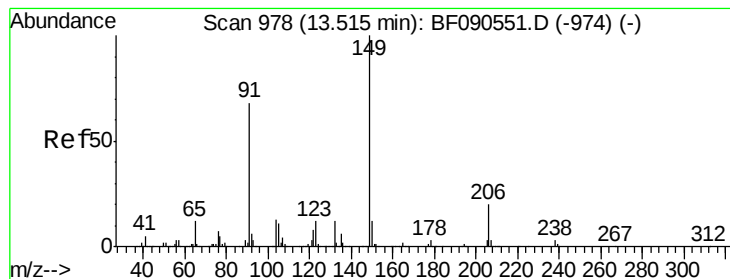
Tot Ion:202 Resp: 1976026
Ion Ratio Lower Upper
202 100
200 22.6 17.8 26.6
203 18.8 14.6 21.8



#78
Terphenyl-d14
Concen: 72.55 ng
RT: 13.012 min Scan# 934
Delta R.T. -0.023 min
Lab File: BF090647.D
Acq: 19 Oct 2016 15:04

Tgt Ion:244 Resp: 2819129
Ion Ratio Lower Upper
244 100
212 7.3 5.0 7.4
122 10.3 5.6 8.4#





#79

Butylbenzylphthalate

Concen: 36.19 ng

RT: 13.481 min Scan# 97

Delta R.T. -0.023 min

Lab File: BF090647.D

Acq: 19 Oct 2016 15:04

Instrument :

BNA_F

ClientSampleId :

SOIL-CUTTINGSMS

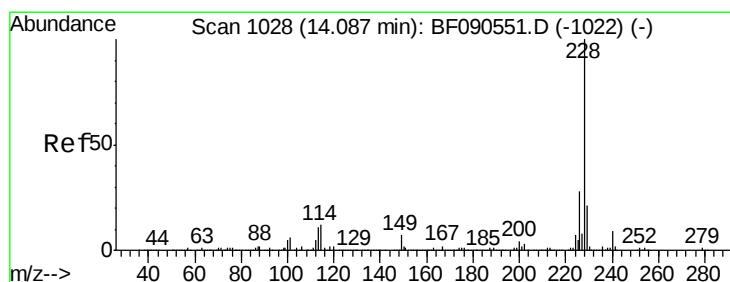
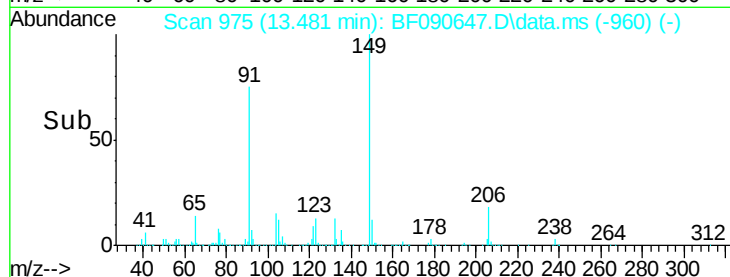
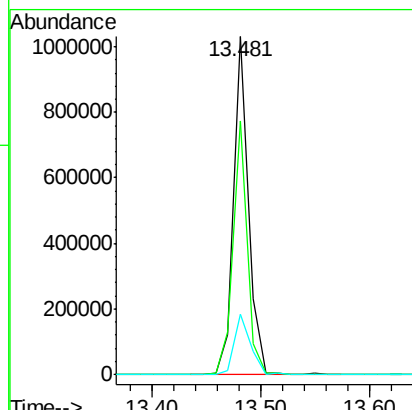
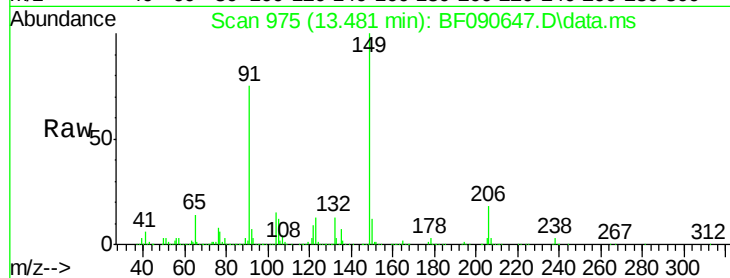
Tot Ion:149 Resp: 960939

Ion Ratio Lower Upper

149 100

91 75.1 54.3 81.5

206 17.9 15.8 23.6



#80

Benzo(a)anthracene

Concen: 35.74 ng

RT: 14.052 min Scan# 1025

Delta R.T. -0.023 min

Lab File: BF090647.D

Acq: 19 Oct 2016 15:04

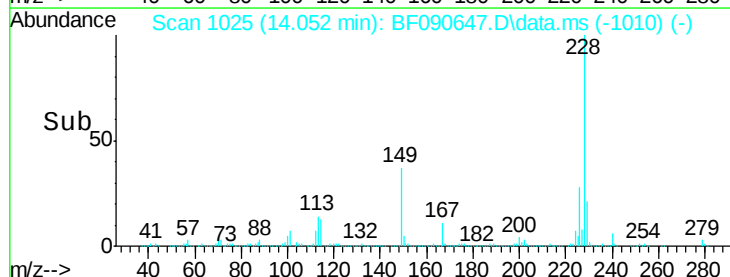
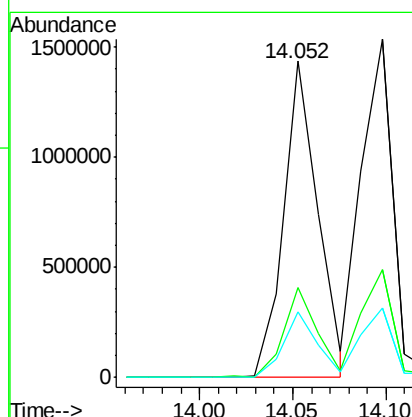
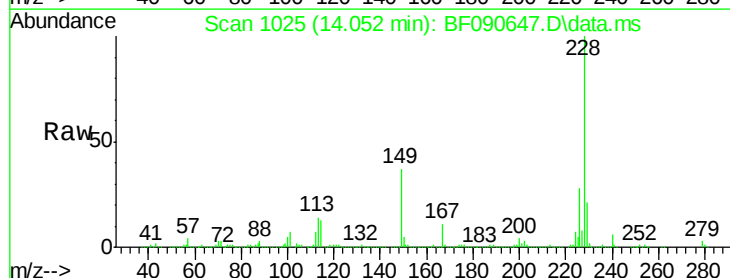
Tgt Ion:228 Resp: 1840927

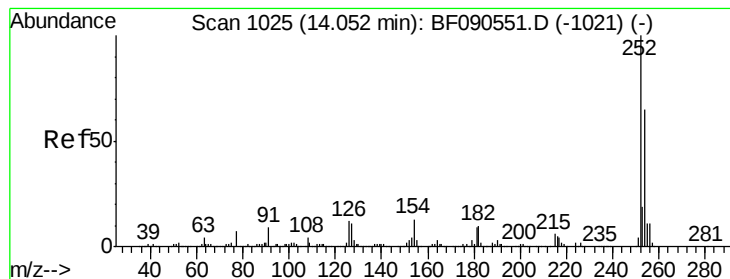
Ion Ratio Lower Upper

228 100

226 28.3 22.8 34.2

229 20.8 16.6 25.0

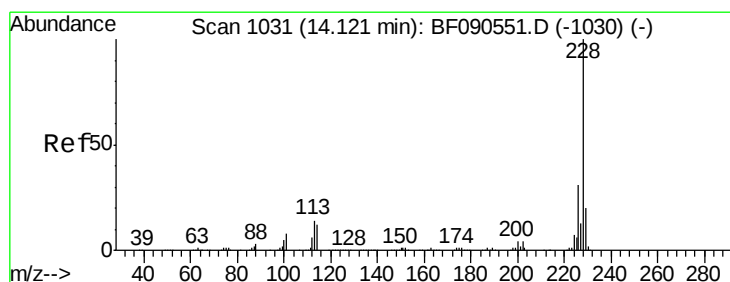
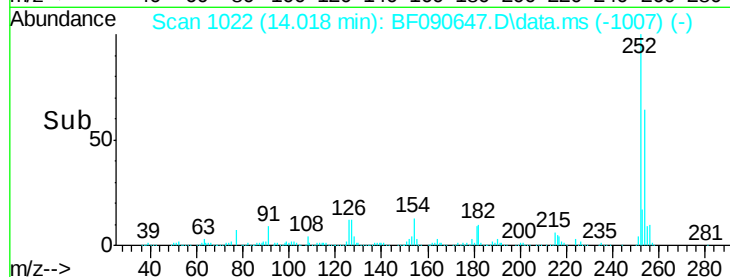
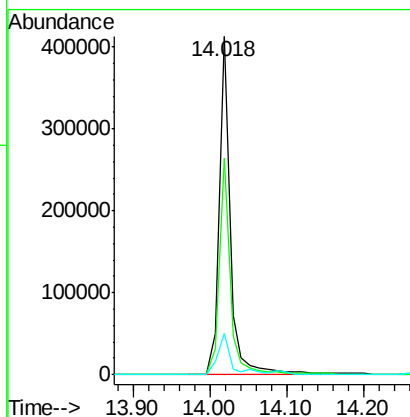
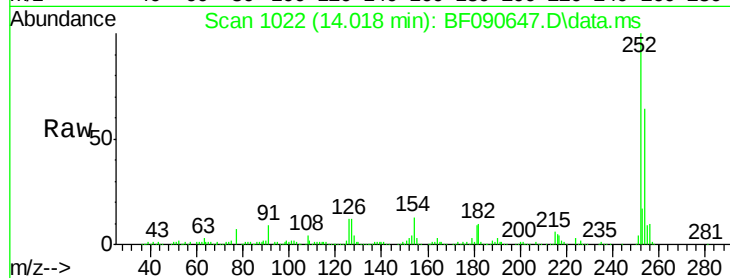




#81
 3,3'-Dichlorobenzidine
 Concen: 23.49 ng
 RT: 14.018 min Scan# 1025
 Delta R.T. -0.023 min
 Lab File: BF090647.D
 Acq: 19 Oct 2016 15:04

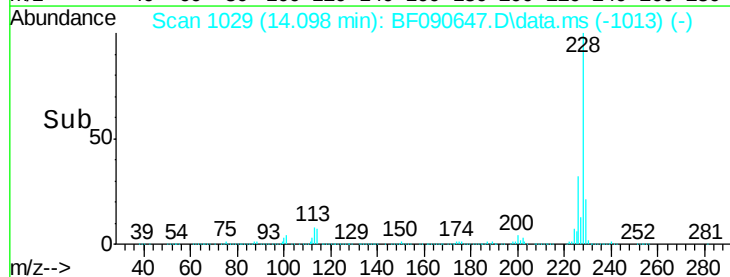
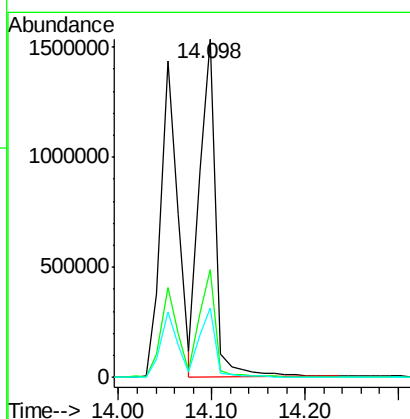
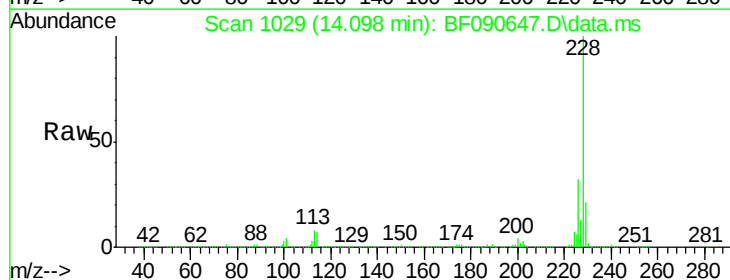
Instrument :
 BNA_F
 ClientSampleId :
 SOIL-CUTTINGSMS

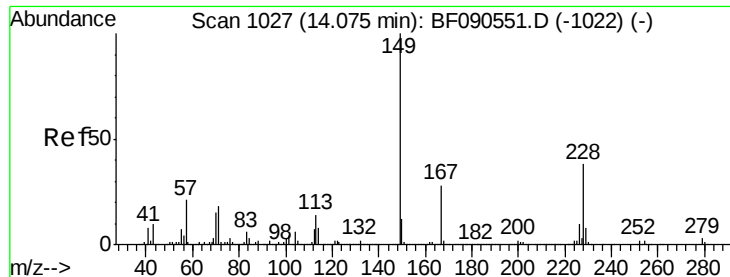
Tot Ion:252 Resp: 413432
 Ion Ratio Lower Upper
 252 100
 254 64.0 52.1 78.1
 126 12.2 9.3 13.9



#82
 Chrysene
 Concen: 37.54 ng
 RT: 14.098 min Scan# 1029
 Delta R.T. -0.011 min
 Lab File: BF090647.D
 Acq: 19 Oct 2016 15:04

Tgt Ion:228 Resp: 1863043
 Ion Ratio Lower Upper
 228 100
 226 32.0 24.8 37.2
 229 20.7 16.2 24.4





#83

Bis(2-ethylhexyl)phthalate

Concen: 37.94 ng

RT: 14.041 min Scan# 1027

Delta R.T. -0.023 min

Lab File: BF090647.D

Acq: 19 Oct 2016 15:04

Instrument :

BNA_F

ClientSampleId :

SOIL-CUTTINGSMS

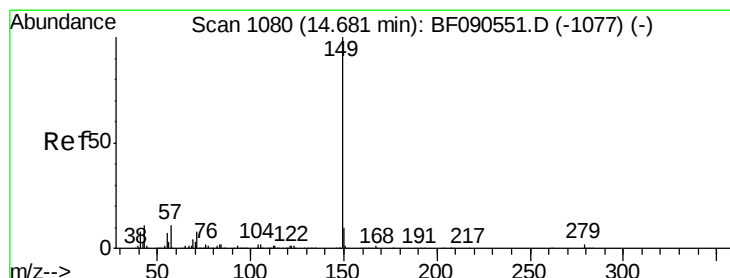
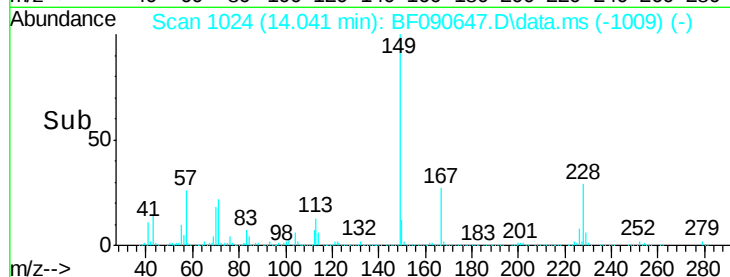
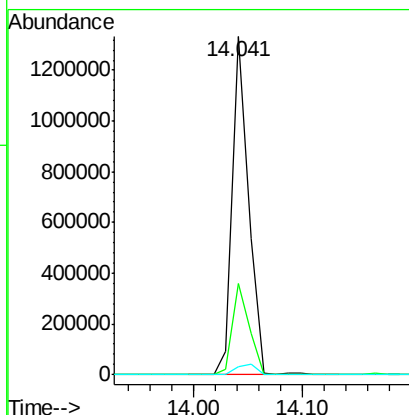
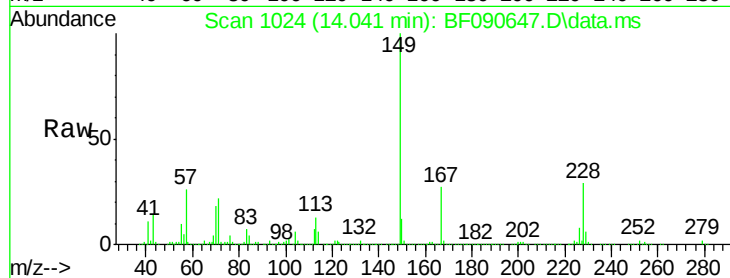
Tot Ion:149 Resp: 1358834

Ion Ratio Lower Upper

149 100

167 26.9 22.1 33.1

279 2.5 2.6 4.0#



#84

Di-n-octyl phthalate

Concen: 49.52 ng

RT: 14.658 min Scan# 1078

Delta R.T. -0.023 min

Lab File: BF090647.D

Acq: 19 Oct 2016 15:04

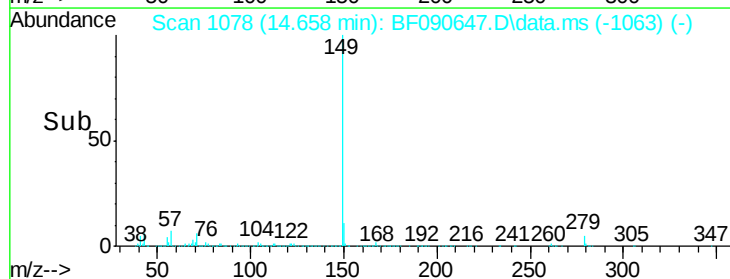
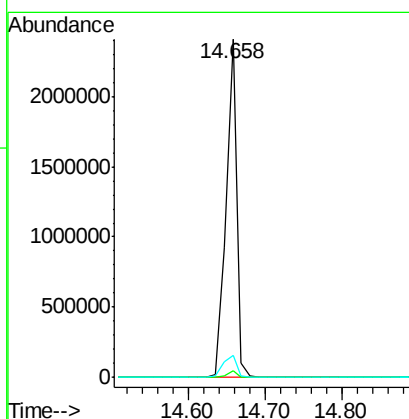
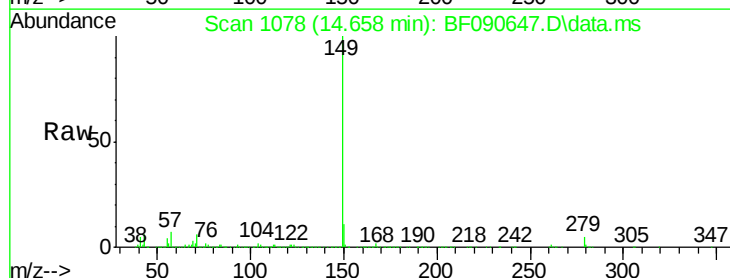
Tgt Ion:149 Resp: 2378127

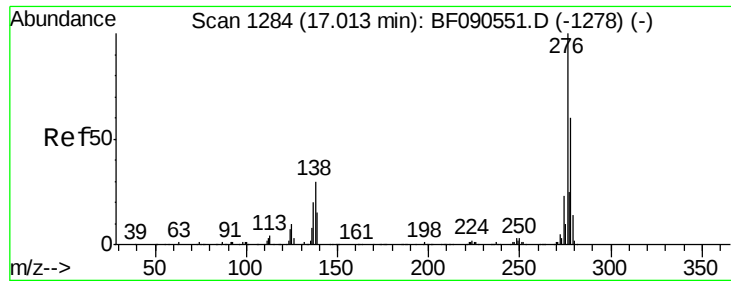
Ion Ratio Lower Upper

149 100

167 1.7 1.2 1.8

43 7.8 6.7 10.1

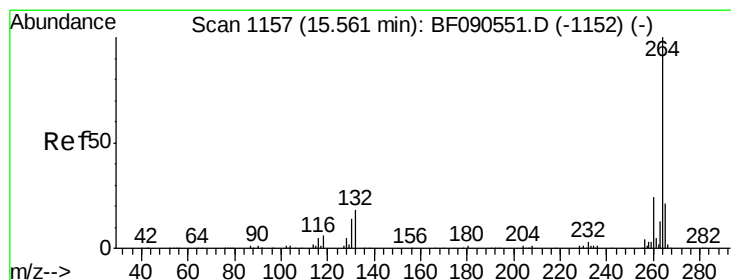
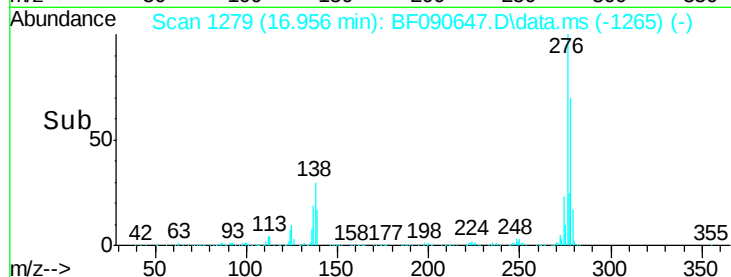
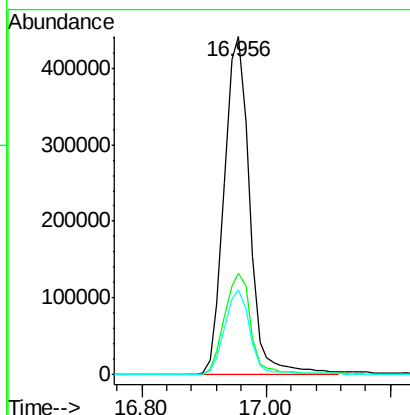
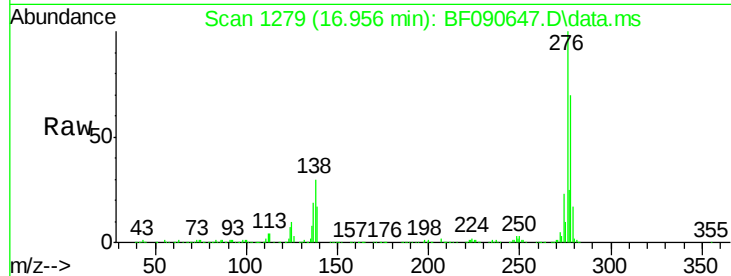




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 43.96 ng
 RT: 16.956 min Scan# 1279
 Delta R.T. -0.034 min
 Lab File: BF090647.D
 Acq: 19 Oct 2016 15:04

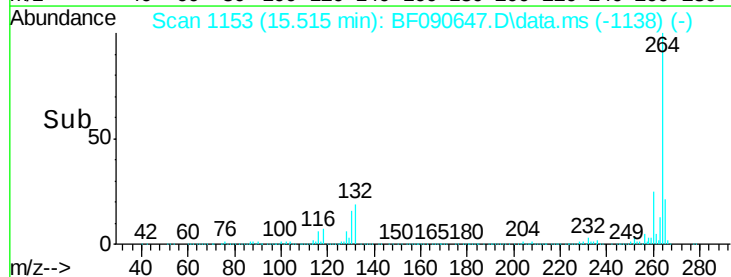
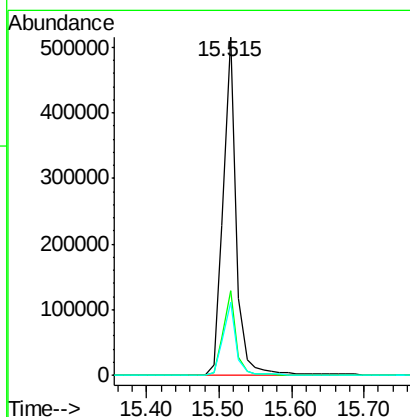
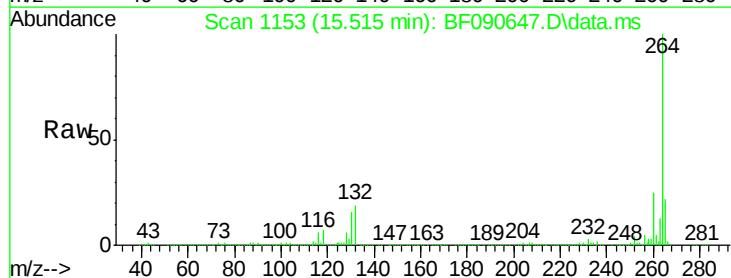
Instrument :
 BNA_F
 ClientSampleId :
 SOIL-CUTTINGSMS

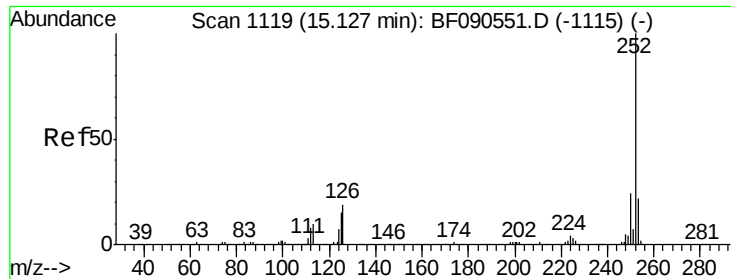
Tot Ion:276 Resp: 1261466
 Ion Ratio Lower Upper
 276 100
 138 31.2 25.8 38.6
 277 25.0 20.1 30.1



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.515 min Scan# 1153
 Delta R.T. -0.023 min
 Lab File: BF090647.D
 Acq: 19 Oct 2016 15:04

Tgt Ion:264 Resp: 652107
 Ion Ratio Lower Upper
 264 100
 260 25.1 19.3 28.9
 265 21.5 16.7 25.1





#87

Benzo(b)fluoranthene

Concen: 72.81 ng

RT: 15.127 min Scan# 1119

Delta R.T. 0.011 min

Lab File: BF090647.D

Acq: 19 Oct 2016 15:04

Instrument :

BNA_F

ClientSampleId :

SOIL-CUTTINGSMS

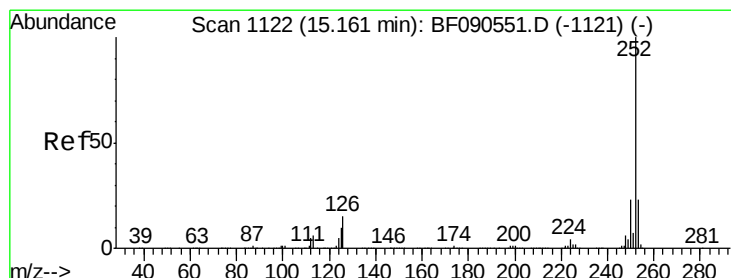
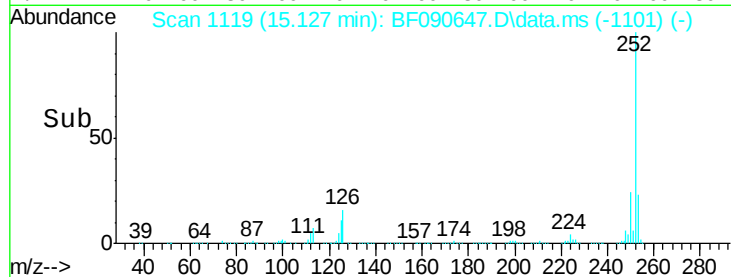
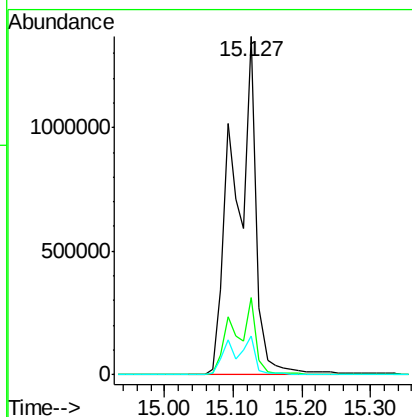
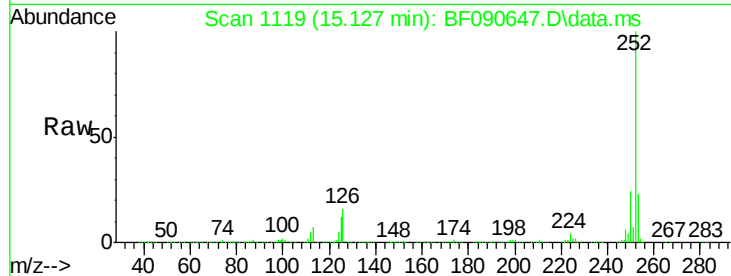
Tot Ion:252 Resp: 3107100

Ion Ratio Lower Upper

252 100

253 22.9 17.8 26.8

125 11.5 12.0 18.0#



#88

Benzo(k)fluoranthene

Concen: 67.96 ng

RT: 15.127 min Scan# 1119

Delta R.T. -0.023 min

Lab File: BF090647.D

Acq: 19 Oct 2016 15:04

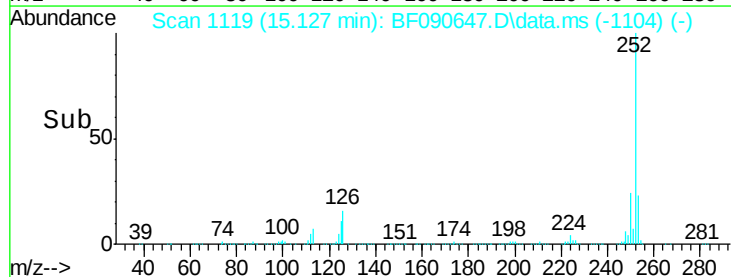
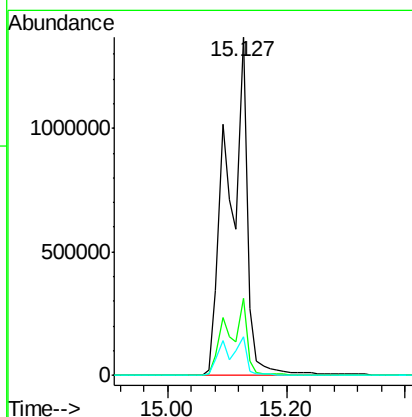
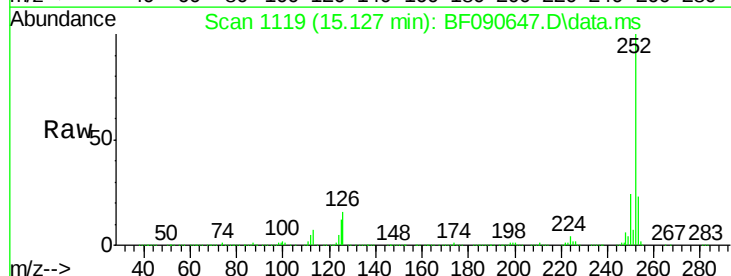
Tgt Ion:252 Resp: 3120255

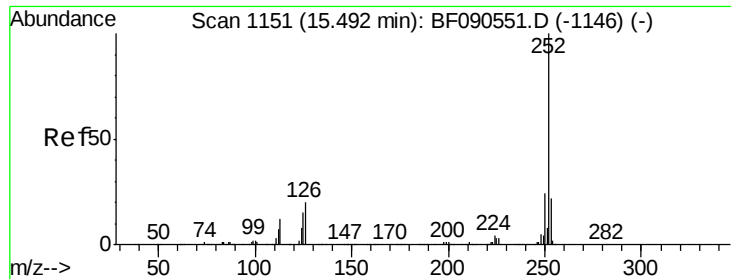
Ion Ratio Lower Upper

252 100

253 22.9 18.0 27.0

125 11.5 10.0 15.0





#89

Benzo(a)pyrene

Concen: 35.79 ng

RT: 15.458 min Scan# 11

Delta R.T. -0.023 min

Lab File: BF090647.D

Acq: 19 Oct 2016 15:04

Instrument :

BNA_F

ClientSampleId :

SOIL-CUTTINGSMS

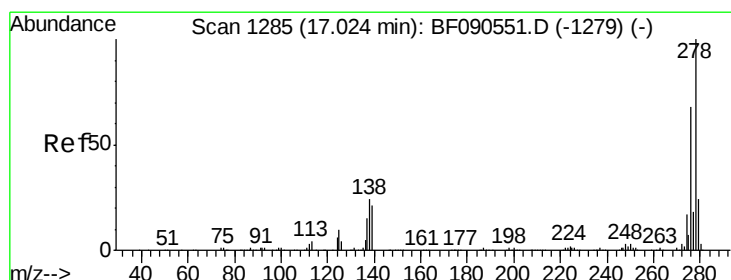
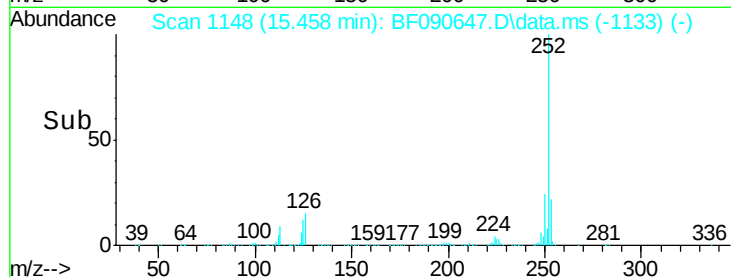
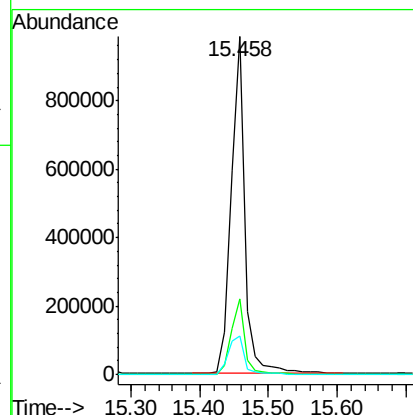
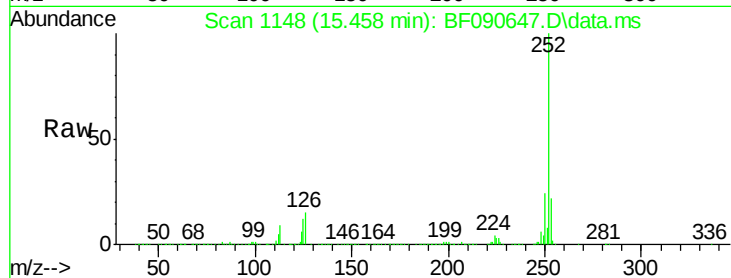
Tot Ion:252 Resp: 1398165

Ion Ratio Lower Upper

252 100

253 22.3 17.9 26.9

125 11.6 12.3 18.5#



#90

Dibenzo(a,h)anthracene

Concen: 36.14 ng

RT: 16.967 min Scan# 1280

Delta R.T. -0.046 min

Lab File: BF090647.D

Acq: 19 Oct 2016 15:04

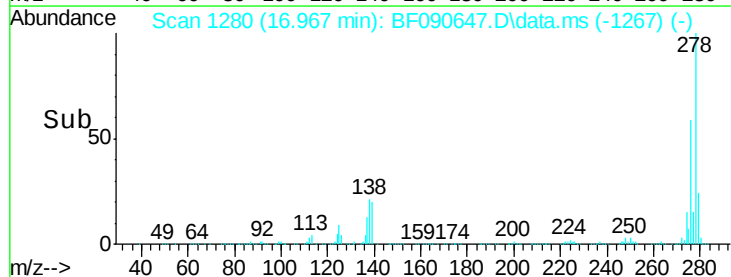
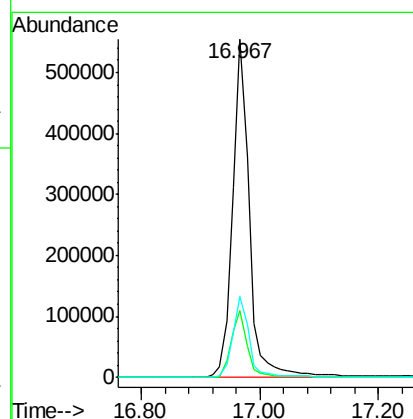
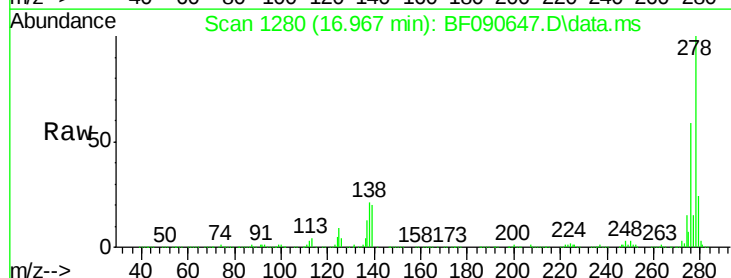
Tgt Ion:278 Resp: 1076551

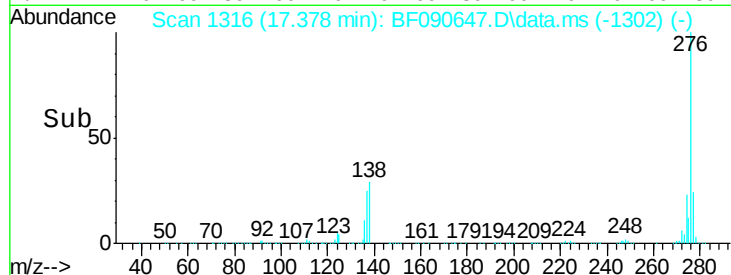
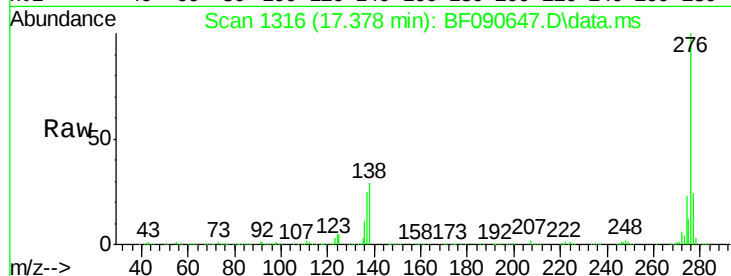
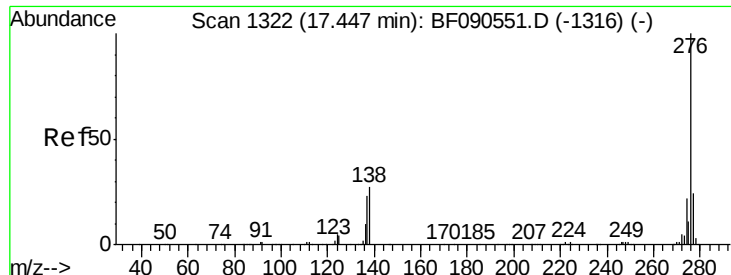
Ion Ratio Lower Upper

278 100

139 19.7 16.6 25.0

279 24.0 19.1 28.7





#91

Benzo(a,h,i)perylene

Concen: 35.33 ng

RT: 17.378 min Scan# 1316

Delta R.T. -0.046 min

Lab File: BF090647.D

Acq: 19 Oct 2016 15:04

Instrument :

BNA_F

ClientSampleId :

SOIL-CUTTINGSMS

Tot Ion: 276 Resp: 1003567

Ion Ratio Lower Upper

276 100

277 24.1 18.8 28.2

138 29.2 21.8 32.8

