

Data Path : Z:\HPCHEM1\BNA F\DATA\BF123114\
 Data File : BF076720.D
 Acq On : 1 Jan 2015 1:02
 Operator : IZ / TP
 Sample : F5235-01MS
 Misc : W
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOILCUTTINGSMS

Quant Time: Jan 01 07:19:39 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121714.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 01 04:13:18 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	35979	20.00	ng	0.00
21) Naphthalene-d8	8.30	136	153336	20.00	ng	0.00
38) Acenaphthene-d10	10.45	164	84841	20.00	ng	0.00
63) Phenanthrene-d10	12.25	188	139247	20.00	ng	0.00
75) Chrysene-d12	15.49	240	133875	20.00	ng	0.00
86) Perylene-d12	17.13	264	130656	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	4.90	112	290775	137.01	ng	0.00
7) Phenol-d6	6.32	99	346443	133.66	ng	0.00
23) Nitrobenzene-d5	7.43	82	248643	96.44	ng	0.00
41) 2,4,6-Tribromophenol	11.42	330	107120	149.39	ng	0.00
44) 2-Fluorobiphenyl	9.65	172	481646	88.35	ng	0.00
78) Terphenyl-d14	14.24	244	526461	86.74	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	1.43	88	30346	33.45	ng	# 100
3) Pyridine	1.96	79	81843	35.84	ng	94
4) n-Nitrosodimethylamine	1.89	42	49952	45.22	ng	92
6) Aniline	6.30	93	39346	10.63	ng	# 85
8) 2-Chlorophenol	6.45	128	114223	47.00	ng	94
9) Benzaldehyde	6.42	77	8771	4.45	ng	# 78
10) Phenol	6.33	94	119794	38.08	ng	86
11) bis(2-Chloroethyl)ether	6.42	93	115233	50.89	ng	96
12) 1,3-Dichlorobenzene	6.63	146	125704	44.55	ng	# 94
13) 1,4-Dichlorobenzene	6.74	146	128639	45.02	ng	99
14) 1,2-Dichlorobenzene	6.93	146	130427	48.13	ng	97
15) Benzyl Alcohol	6.93	79	108083	48.16	ng	95
16) 2,2'-oxybis(1-Chloropropan	7.12	45	157374	47.97	ng	96
17) 2-Methylphenol	7.10	107	88633	44.38	ng	96
18) Hexachloroethane	7.34	117	49733	48.69	ng	98
19) n-Nitroso-di-n-propylamine	7.27	70	83314	44.01	ng	98
20) 3+4-Methylphenols	7.29	107	117876	43.71	ng	99
22) Acetophenone	7.25	105	189437	51.55	ng	# 99
24) Nitrobenzene	7.45	77	137551	51.45	ng	97
25) Isophorone	7.76	82	242383	48.78	ng	96
26) 2-Nitrophenol	7.84	139	60137	46.06	ng	# 69
27) 2,4-Dimethylphenol	7.94	122	102461	48.49	ng	90
28) bis(2-Chloroethoxy)methane	8.06	93	153469	52.61	ng	100
29) 2,4-Dichlorophenol	8.15	162	99324	47.82	ng	97
30) 1,2,4-Trichlorobenzene	8.24	180	111669	49.87	ng	# 96
31) Naphthalene	8.32	128	374595	49.31	ng	100
32) Benzoic acid	8.06	122	12939	14.06	ng	# 88
33) 4-Chloroaniline	8.42	127	23925	7.72	ng	# 95
34) Hexachlorobutadiene	8.49	225	63784	49.00	ng	93
35) Caprolactam	8.85	113	24705	41.26	ng	95
36) 4-Chloro-3-methylphenol	9.05	107	102828	44.49	ng	91
37) 2-Methylnaphthalene	9.18	142	248368	46.86	ng	96
39) 1,2,4,5-Tetrachlorobenzene	9.38	216	101772	48.76	ng	# 78
40) Hexachlorocyclopentadiene	9.37	237	99693	82.30	ng	94

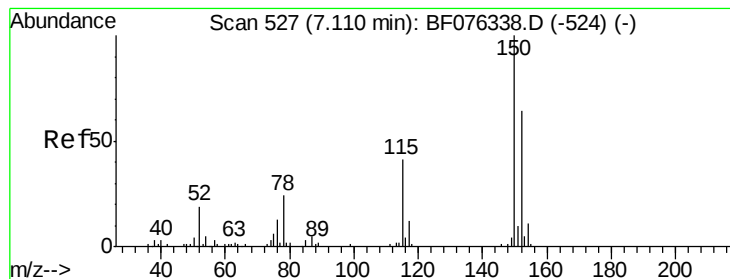
Data Path : Z:\HPCHEM1\BNA F\DATA\BF123114\
 Data File : BF076720.D
 Acq On : 1 Jan 2015 1:02
 Operator : IZ / TP
 Sample : F5235-01MS
 Misc : W
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOILCUTTINGSMS

Quant Time: Jan 01 07:19:39 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121714.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 01 04:13:18 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.54	196	69585	45.96	nq	99
43) 2,4,5-Trichlorophenol	9.59	196	69951m	42.94	nq	
45) 1,1'-Biphenyl	9.76	154	302104	47.93	nq	97
46) 2-Chloronaphthalene	9.77	162	246554	49.32	nq	97
47) 2-Nitroaniline	9.92	65	78706	51.76	nq	# 67
48) Acenaphthylene	10.28	152	392311	46.14	nq	99
49) Dimethylphthalate	10.17	163	306123	51.01	nq	99
50) 2,6-Dinitrotoluene	10.23	165	61856	50.30	nq	# 56
51) Acenaphthene	10.48	154	217146	45.14	nq	99
52) 3-Nitroaniline	10.42	138	26556	19.02	nq	100
53) 2,4-Dinitrophenol	10.56	184	24054	43.10	nq	# 83
54) Dibenzofuran	10.70	168	322122	46.29	nq	97
55) 4-Nitrophenol	10.67	139	90696m	84.72	nq	
56) 2,4-Dinitrotoluene	10.72	165	86923	53.04	nq	89
57) Fluorene	11.12	166	295600	50.57	nq	99
58) 2,3,4,6-Tetrachlorophenol	10.86	232	57494	47.46	nq	# 100
59) Diethylphthalate	11.04	149	315102	51.40	nq	96
60) 4-Chlorophenyl-phenylether	11.15	204	128105	50.65	nq	90
61) 4-Nitroaniline	11.17	138	60964	41.54	nq	93
62) Azobenzene	11.34	77	297400	49.23	nq	98
64) 4,6-Dinitro-2-methylphenol	11.21	198	24496	28.12	nq	85
65) n-Nitrosodiphenylamine	11.29	169	233302	47.69	nq	99
66) 4-Bromophenyl-phenylether	11.74	248	75198	55.44	nq	# 78
67) Hexachlorobenzene	11.79	284	80767	51.02	nq	# 88
68) Atrazine	11.98	200	80084	54.79	nq	97
69) Pentachlorophenol	12.04	266	76496	98.71	nq	95
70) Phenanthrene	12.29	178	420511	50.05	nq	99
71) Anthracene	12.35	178	407133	49.39	nq	99
72) Carbazole	12.56	167	377448	47.21	nq	99
73) Di-n-butylphthalate	13.04	149	525247	53.49	nq	99
74) Fluoranthene	13.74	202	438627	51.13	nq	95
76) Benzidine	13.93	184	76338	13.68	nq	99
77) Pyrene	14.00	202	440066	46.99	nq	97
79) Butylbenzylphthalate	14.87	149	235638	52.63	nq	# 74
80) Benzo(a)anthracene	15.48	228	420520	50.44	nq	98
81) 3,3'-Dichlorobenzidine	15.48	252	57701	20.71	nq	# 97
82) Chrysene	15.52	228	394219	51.68	nq	98
83) Bis(2-ethylhexyl)phthalate	15.60	149	353661	52.21	nq	# 97
84) Di-n-octyl phthalate	16.36	149	617333	53.37	nq	100
85) Indeno(1,2,3-cd)pyrene	18.25	276	440545	52.62	nq	98
87) Benzo(b)fluoranthene	16.72	252	416769m	48.35	nq	
88) Benzo(k)fluoranthene	16.75	252	357166m	44.49	nq	
89) Benzo(a)pyrene	17.07	252	371849	48.35	nq	# 96
90) Dibenzo(a,h)anthracene	18.29	278	374640	49.15	nq	# 97
91) Benzo(g,h,i)perylene	18.56	276	382566	51.58	nq	98

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.72 min Scan# 493

Delta R.T. 0.00 min

Lab File: BF076720.D

Acq: 1 Jan 2015 1:02

Instrument :

BNA_F

ClientSampleId :

SOILCUTTINGSMS

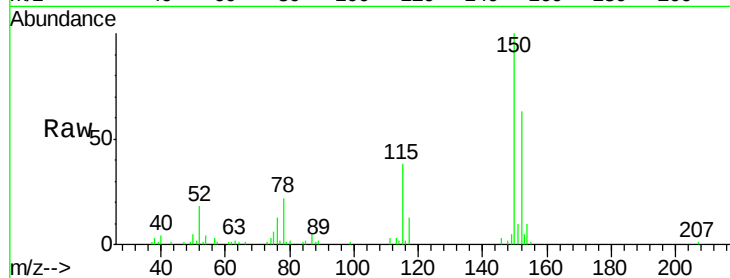
Tot Ion:152 Resp: 35979

Ion Ratio Lower Upper

152 100

150 158.2 125.2 187.8

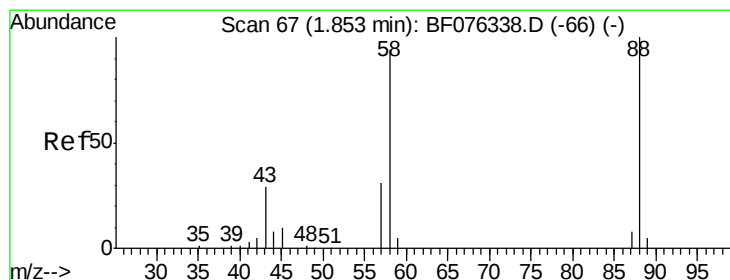
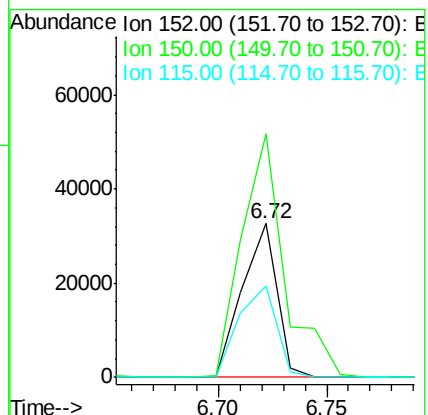
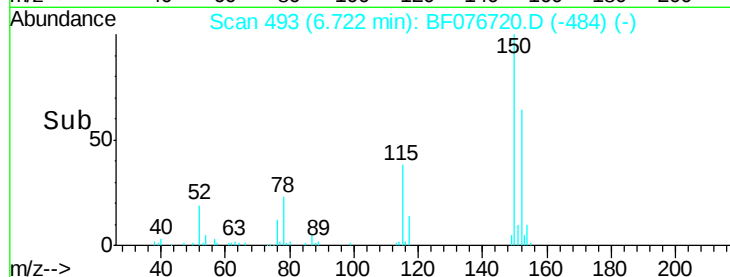
115 59.6 51.4 77.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 33.45 ng

RT: 1.43 min Scan# 30

Delta R.T. 0.00 min

Lab File: BF076720.D

Acq: 1 Jan 2015 1:02

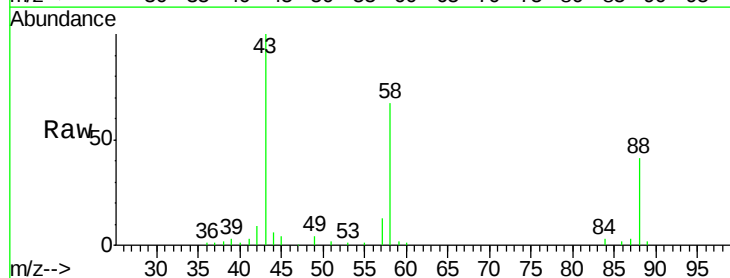
Tgt Ion: 88 Resp: 30346

Ion Ratio Lower Upper

88 100

58 299.8 0.0 0.0#

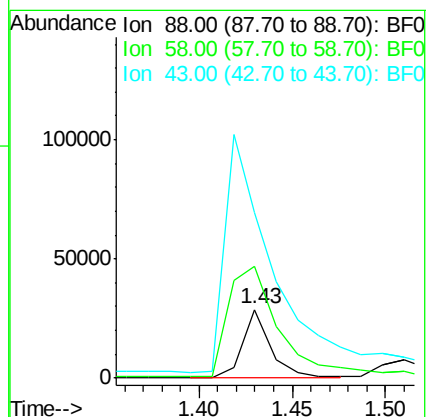
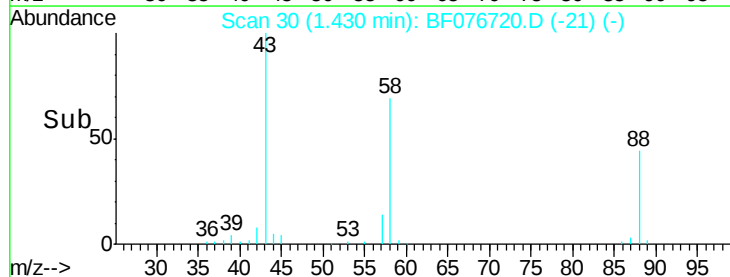
43 645.8 0.0 0.0#

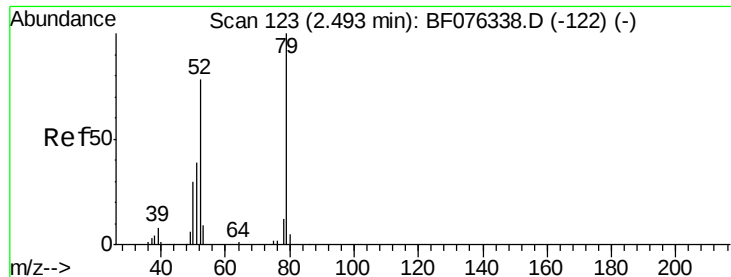


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#3

Pvridine

Concen: 35.84 ng

RT: 1.96 min Scan# 76

Delta R.T. 0.00 min

Lab File: BF076720.D

Acq: 1 Jan 2015 1:02

Instrument :

BNA_F

ClientSampleId :

SOILCUTTINGSMS

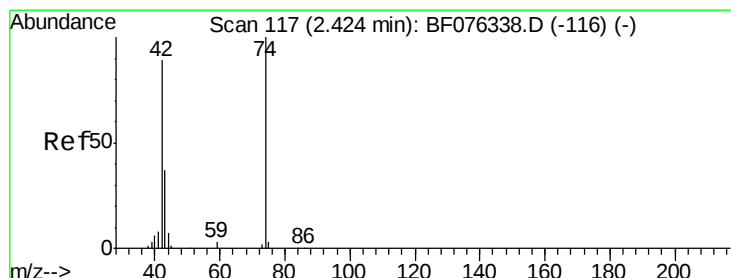
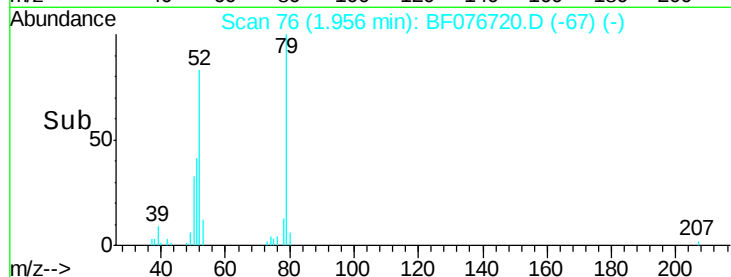
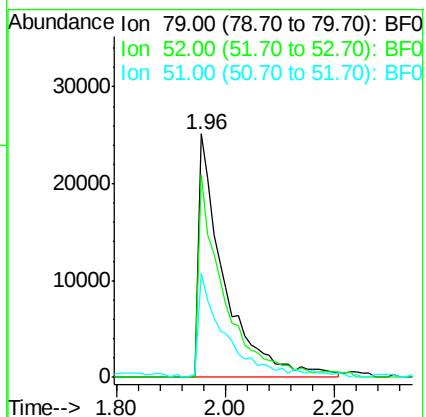
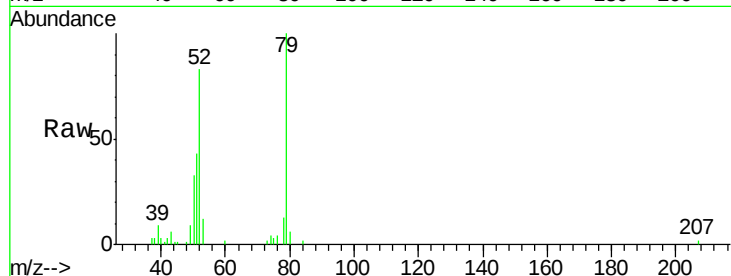
Tot Ion: 79 Resp: 81843

Ion Ratio Lower Upper

79 100

52 83.2 62.2 93.4

51 42.7 32.1 48.1



#4

n-Nitrosodimethylamine

Concen: 45.22 ng

RT: 1.89 min Scan# 70

Delta R.T. 0.00 min

Lab File: BF076720.D

Acq: 1 Jan 2015 1:02

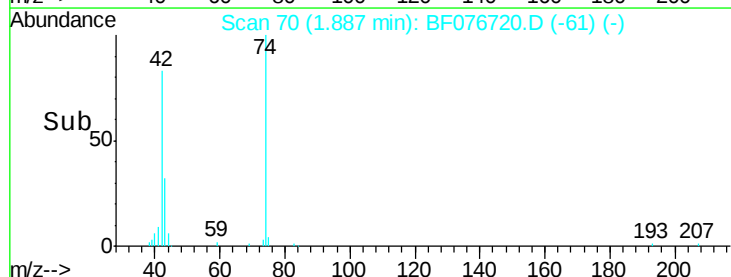
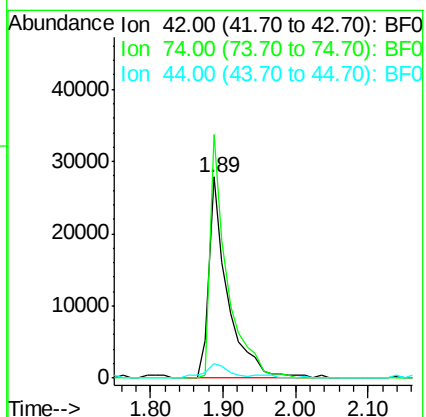
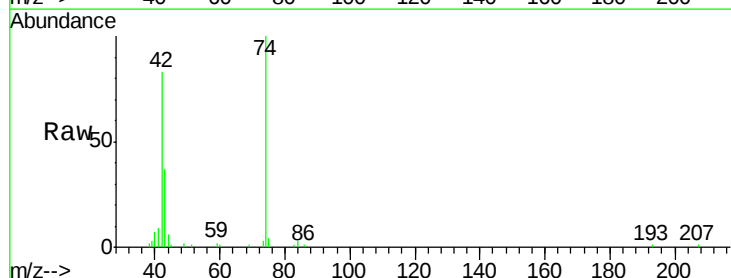
Tgt Ion: 42 Resp: 49952

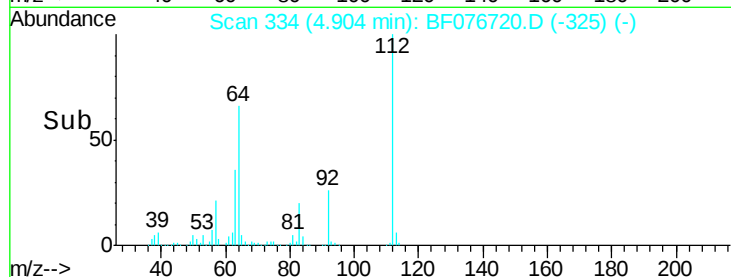
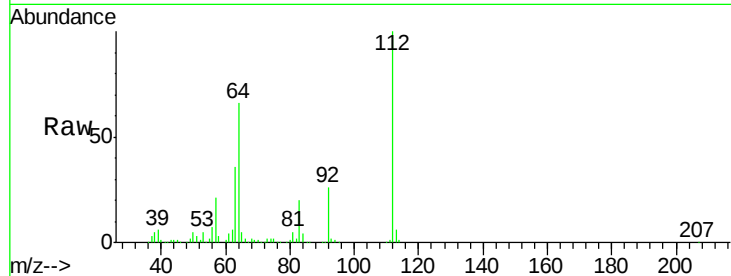
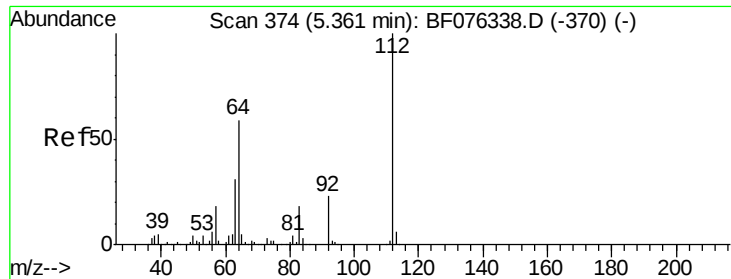
Ion Ratio Lower Upper

42 100

74 120.9 89.9 134.9

44 7.2 6.4 9.6

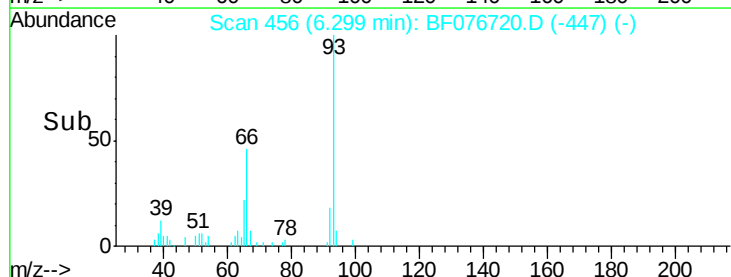
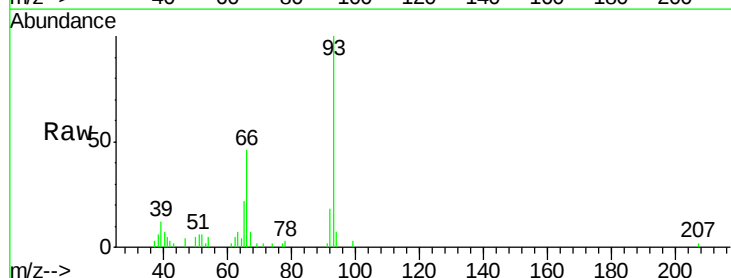
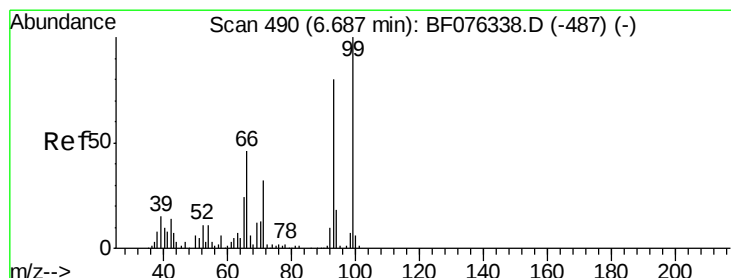
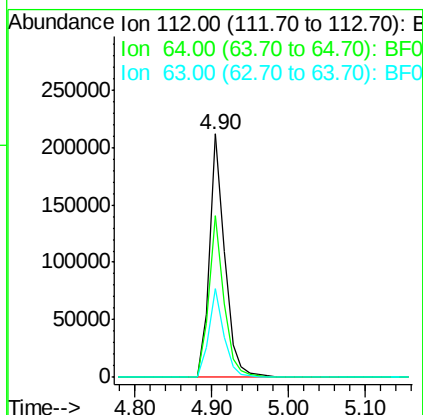




#5
2-Fluorophenol
Concen: 137.01 ng
RT: 4.90 min Scan# 334
Delta R.T. 0.00 min
Lab File: BF076720.D
Acq: 1 Jan 2015 1:02

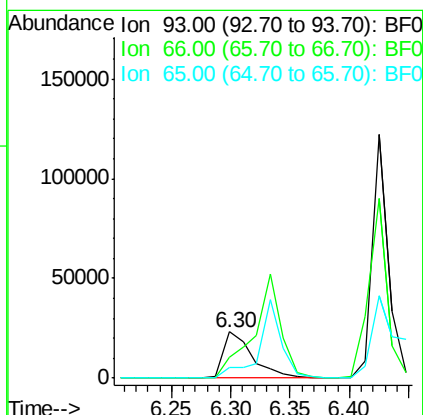
Instrument :
BNA_F
ClientSampleId :
SOILCUTTINGSMS

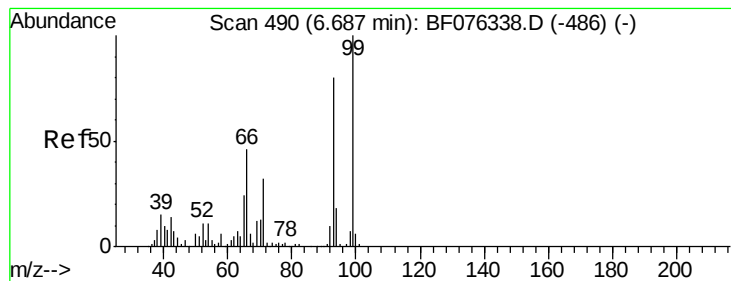
Tot Ion	Ratio	Lower	Upper
112	100		
64	66.2	47.4	71.0
63	36.3	25.0	37.4



#6
Aniline
Concen: 10.63 ng
RT: 6.30 min Scan# 456
Delta R.T. 0.00 min
Lab File: BF076720.D
Acq: 1 Jan 2015 1:02

Tgt Ion	Ratio	Lower	Upper
93	100		
66	46.1	45.7	68.5
65	22.4	24.3	36.5#





#7

Phenol-d6

Concen: 133.66 ng

RT: 6.32 min Scan# 458

Delta R.T. 0.00 min

Lab File: BF076720.D

Acq: 1 Jan 2015 1:02

Instrument :

BNA_F

ClientSampleId :

SOILCUTTINGSMS

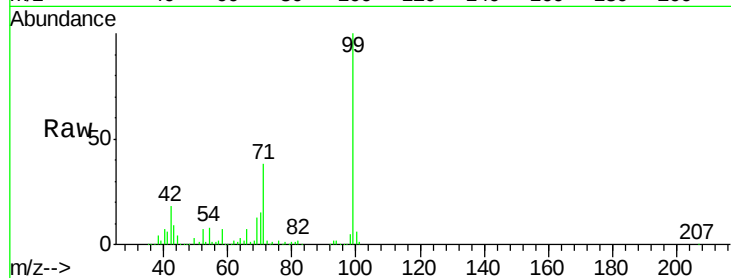
Tot Ion: 99 Resp: 346443

Ion Ratio Lower Upper

99 100

42 17.6 11.6 17.4#

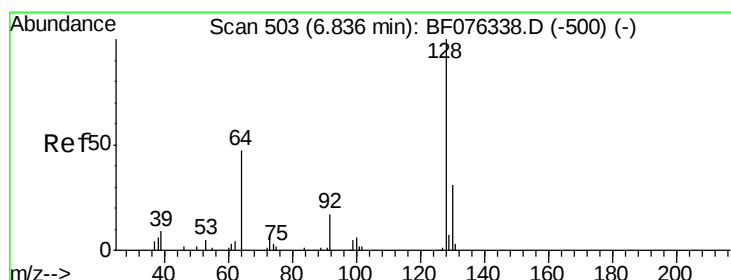
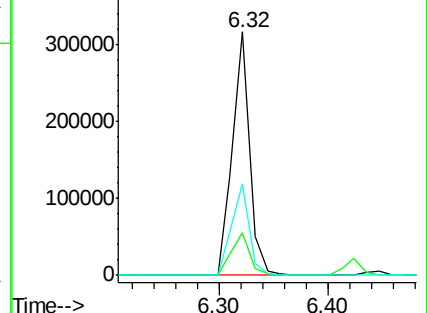
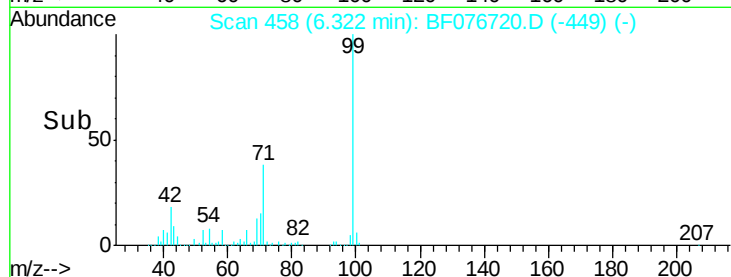
71 37.5 25.9 38.9



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#8

2-Chlorophenol

Concen: 47.00 ng

RT: 6.45 min Scan# 469

Delta R.T. 0.00 min

Lab File: BF076720.D

Acq: 1 Jan 2015 1:02

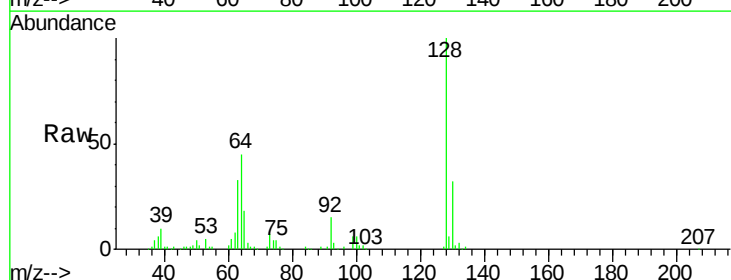
Tgt Ion:128 Resp: 114223

Ion Ratio Lower Upper

128 100

130 31.9 11.3 51.3

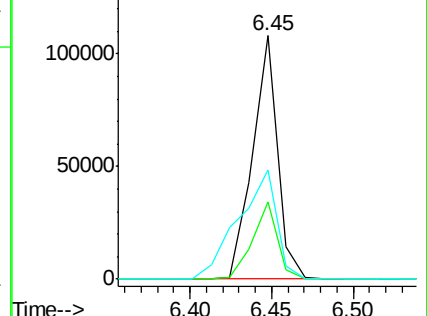
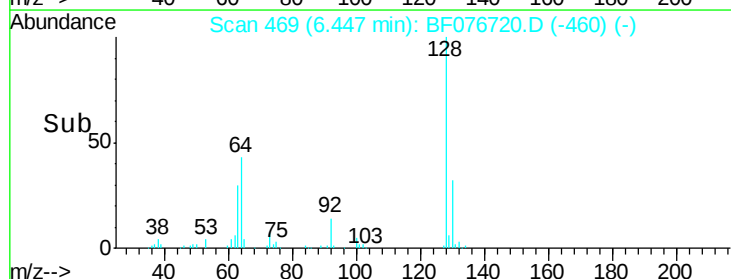
64 44.7 31.3 71.3

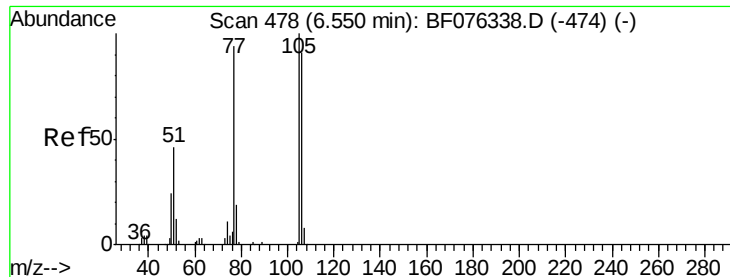


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 4.45 ng

RT: 6.42 min Scan# 467

Delta R.T. 0.00 min

Lab File: BF076720.D

Acq: 1 Jan 2015 1:02

Instrument :

BNA_F

ClientSampleId :

SOILCUTTINGSMS

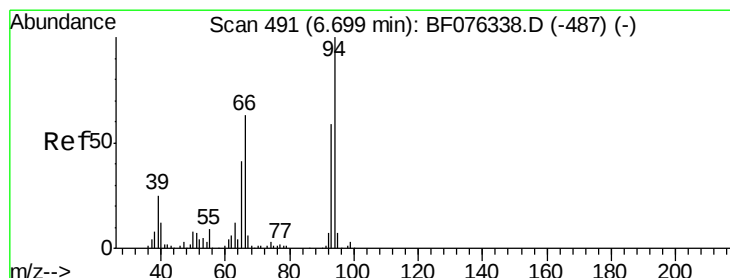
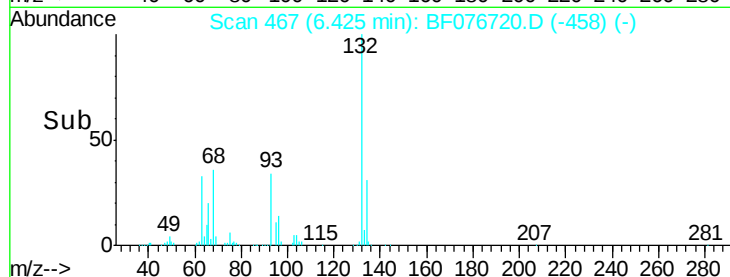
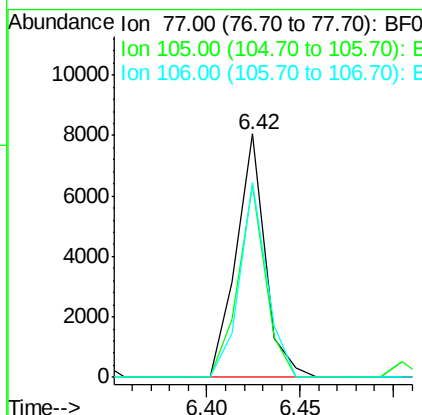
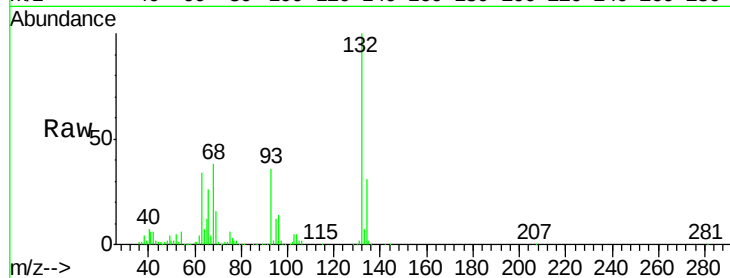
Tot Ion: 77 Resp: 8771

Ion Ratio Lower Upper

77 100

105 78.8 86.1 126.1#

106 79.9 76.8 116.8



#10

Phenol

Concen: 38.08 ng

RT: 6.33 min Scan# 459

Delta R.T. 0.00 min

Lab File: BF076720.D

Acq: 1 Jan 2015 1:02

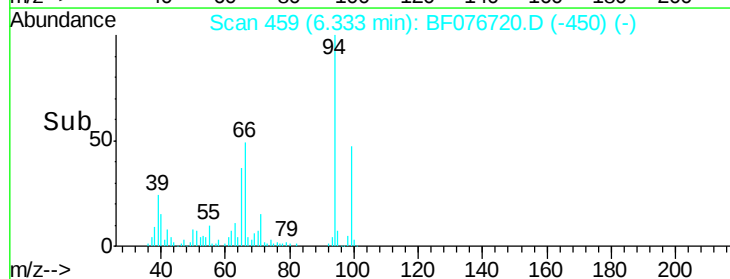
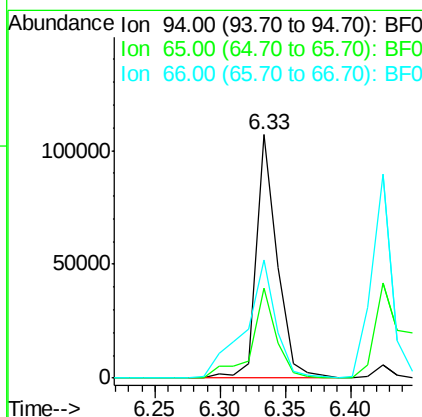
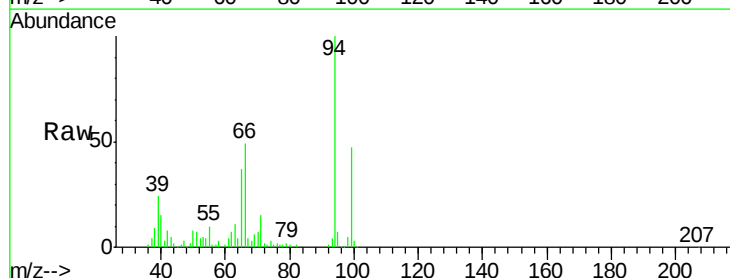
Tgt Ion: 94 Resp: 119794

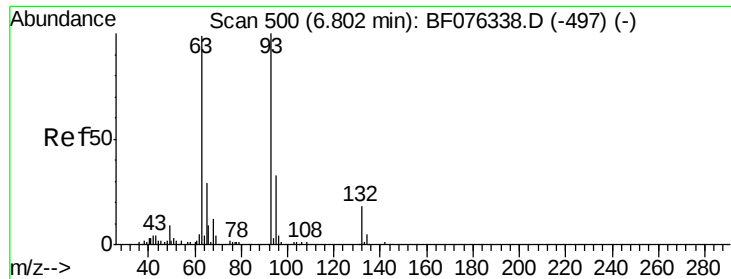
Ion Ratio Lower Upper

94 100

65 36.7 21.5 61.5

66 48.7 42.9 82.9

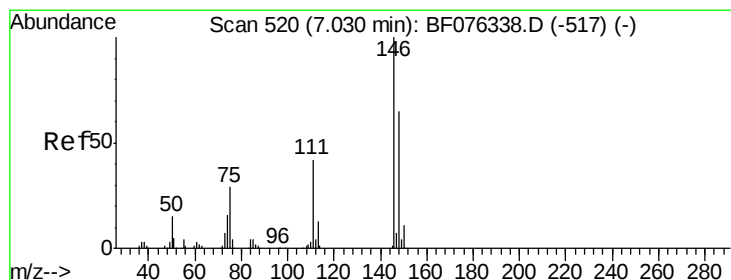
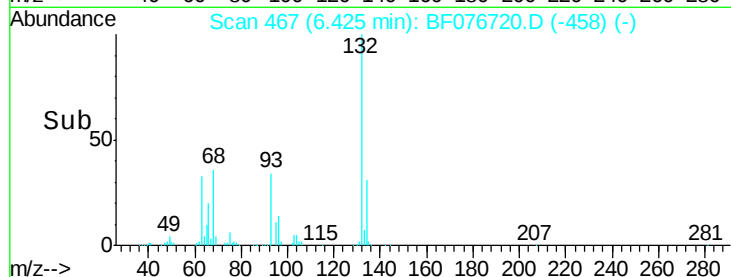
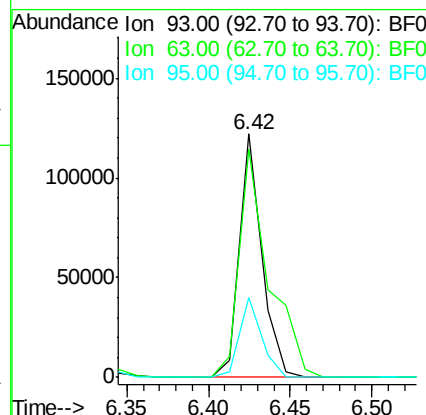
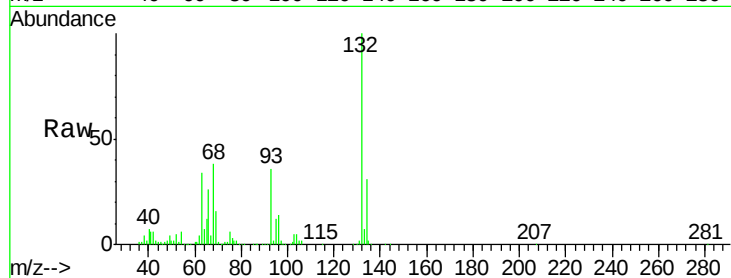




#11
bis(2-Chloroethyl)ether
Concen: 50.89 ng
RT: 6.42 min Scan# 467
Delta R.T. 0.00 min
Lab File: BF076720.D
Acq: 1 Jan 2015 1:02

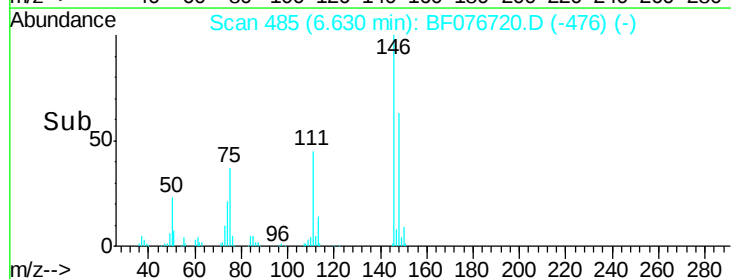
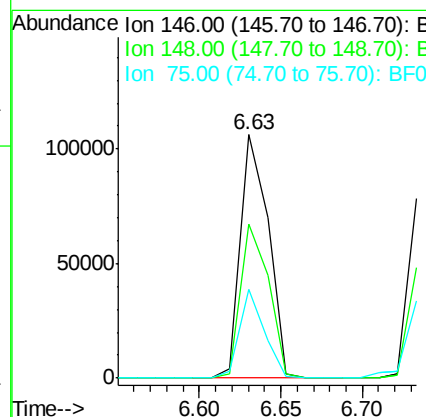
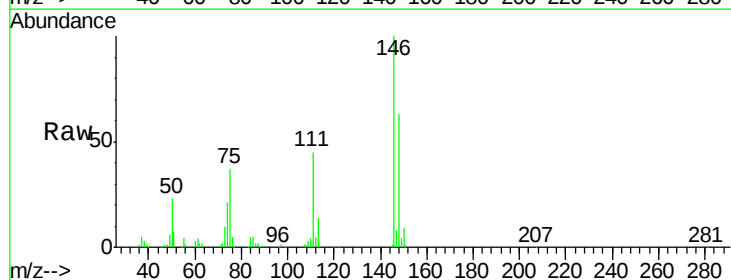
Instrument :
BNA_F
ClientSampleId :
SOILCUTTINGSMS

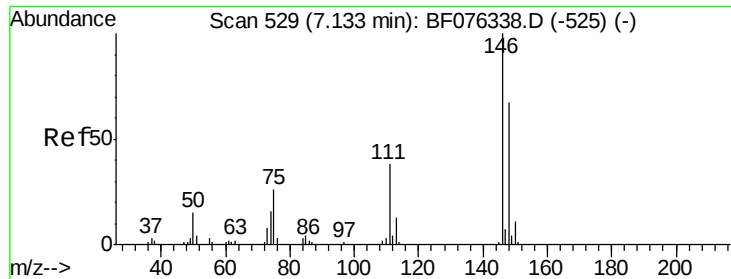
Tot Ion: 93 Resp: 115233
Ion Ratio Lower Upper
93 100
63 94.0 79.1 119.1
95 32.6 12.6 52.6



#12
1,3-Dichlorobenzene
Concen: 44.55 ng
RT: 6.63 min Scan# 485
Delta R.T. 0.00 min
Lab File: BF076720.D
Acq: 1 Jan 2015 1:02

Tgt Ion: 146 Resp: 125704
Ion Ratio Lower Upper
146 100
148 63.1 52.2 78.2
75 36.7 23.0 34.4#

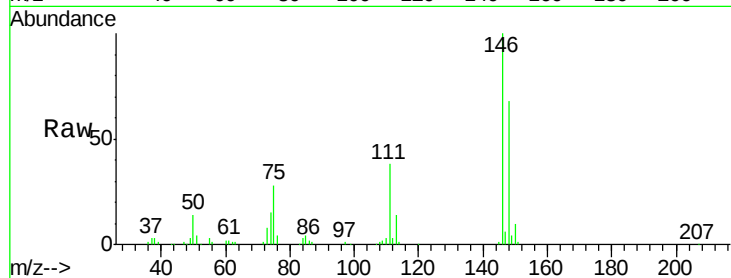




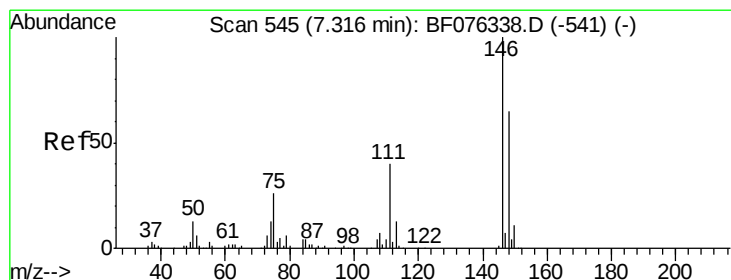
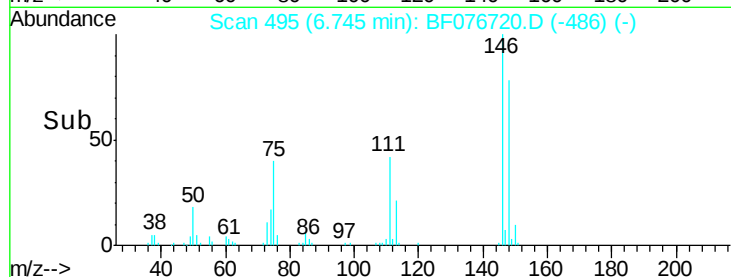
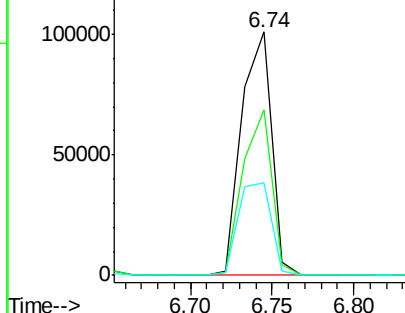
#13
 1,4-Dichlorobenzene
 Concen: 45.02 ng
 RT: 6.74 min Scan# 495
 Delta R.T. 0.00 min
 Lab File: BF076720.D
 Acq: 1 Jan 2015 1:02

Instrument :
 BNA_F
 ClientSampleId :
 SOILCUTTINGSMS

Tot Ion:146 Resp: 128639
 Ion Ratio Lower Upper
 146 100
 148 68.2 53.2 79.8
 111 38.2 30.7 46.1

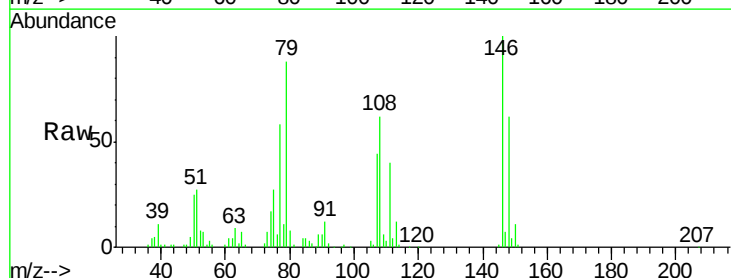


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

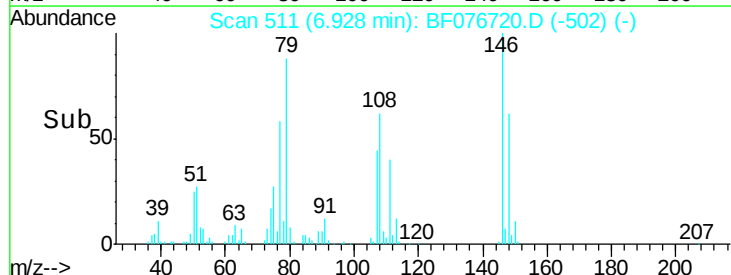
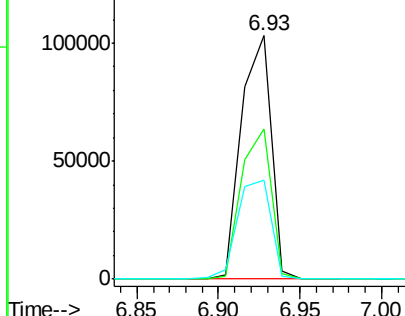


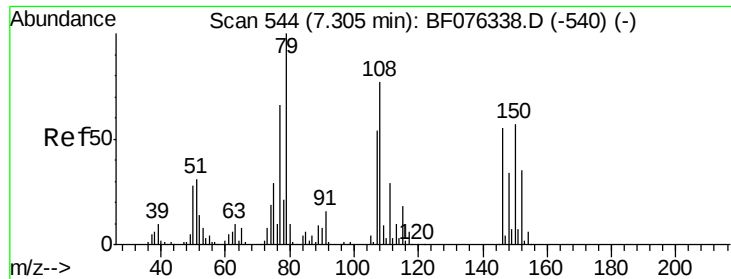
#14
 1,2-Dichlorobenzene
 Concen: 48.13 ng
 RT: 6.93 min Scan# 511
 Delta R.T. 0.00 min
 Lab File: BF076720.D
 Acq: 1 Jan 2015 1:02

Tgt Ion:146 Resp: 130427
 Ion Ratio Lower Upper
 146 100
 148 61.6 52.2 78.2
 111 40.4 32.2 48.2



Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 48.16 ng

RT: 6.93 min Scan# 511

Delta R.T. 0.00 min

Lab File: BF076720.D

Acq: 1 Jan 2015 1:02

Instrument :

BNA_F

ClientSampleId :

SOILCUTTINGSMS

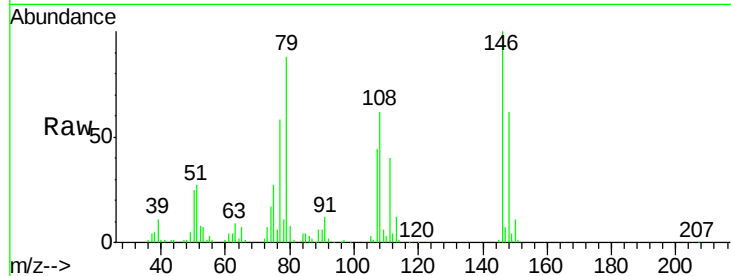
Tot Ion: 79 Resp: 108083

Ion Ratio Lower Upper

79 100

108 70.2 62.0 93.0

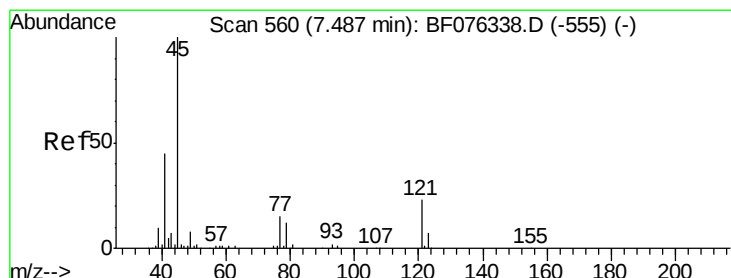
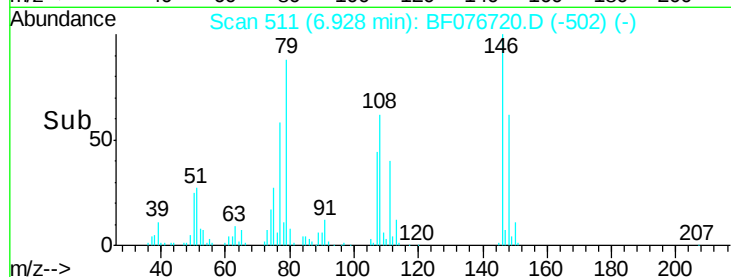
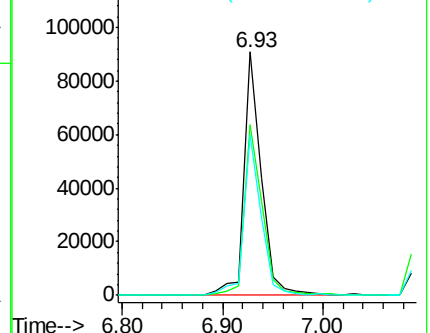
77 65.7 53.0 79.6



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0



#16

2,2'-oxybis(1-Chloropropane)

Concen: 47.97 ng

RT: 7.12 min Scan# 528

Delta R.T. 0.00 min

Lab File: BF076720.D

Acq: 1 Jan 2015 1:02

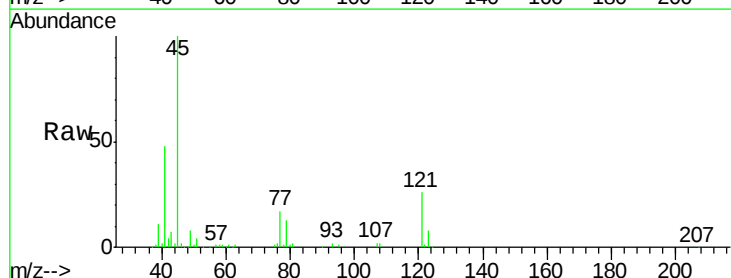
Tgt Ion: 45 Resp: 157374

Ion Ratio Lower Upper

45 100

77 16.8 0.0 34.5

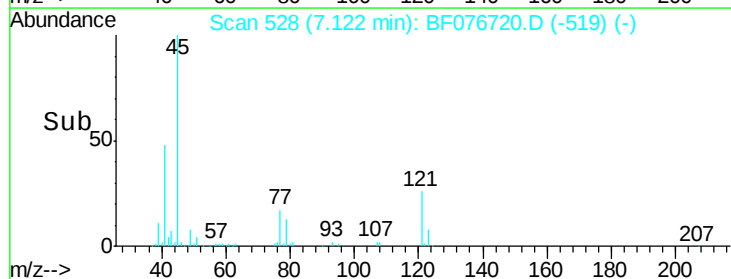
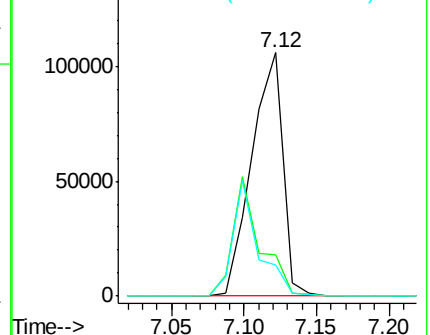
79 12.9 0.0 32.3

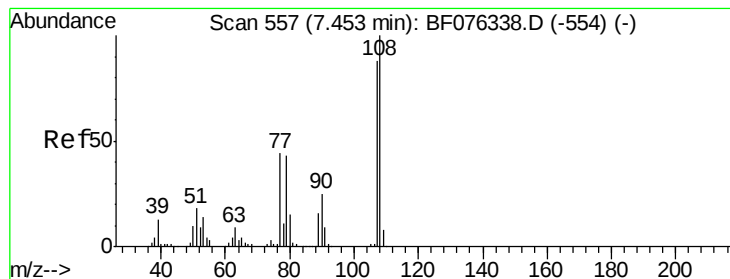


Abundance Ion 45.00 (44.70 to 45.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0

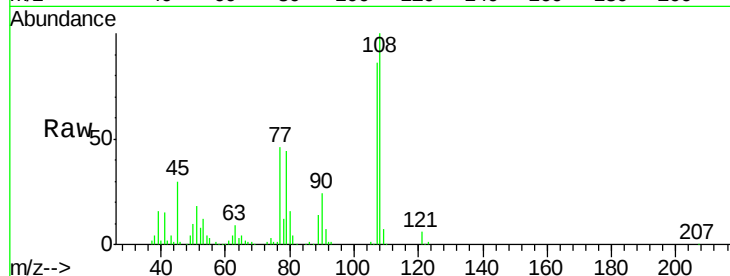




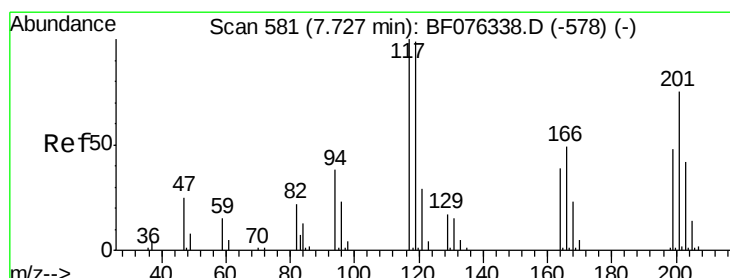
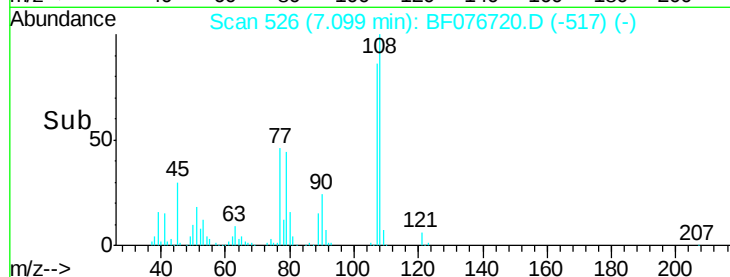
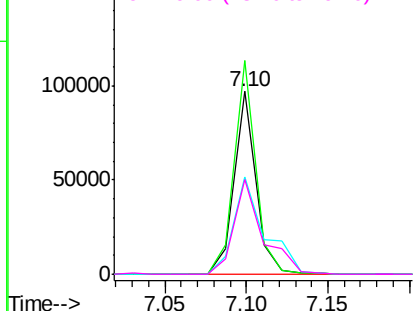
#17
2-Methylphenol
Concen: 44.38 ng
RT: 7.10 min Scan# 526
Delta R.T. 0.00 min
Lab File: BF076720.D
Acq: 1 Jan 2015 1:02

Instrument :
BNA_F
ClientSampleId :
SOILCUTTINGSMS

Tot Ion:107 Resp: 88633
Ion Ratio Lower Upper
107 100
108 116.7 90.6 135.8
77 53.3 40.1 60.1
79 51.7 38.6 57.8

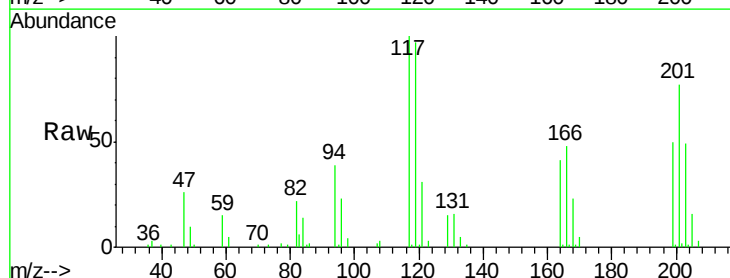


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF0
Ion 79.00 (78.70 to 79.70): BF0

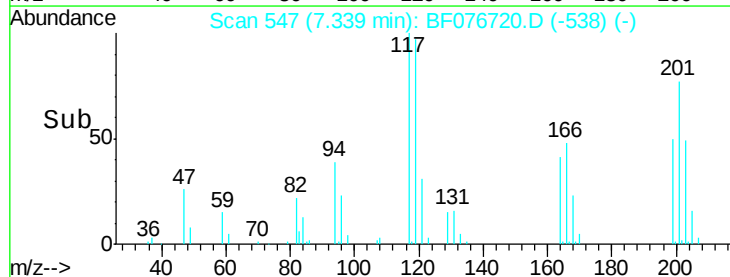
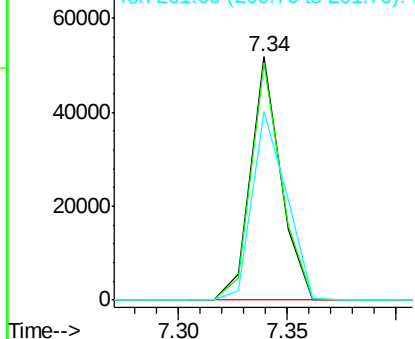


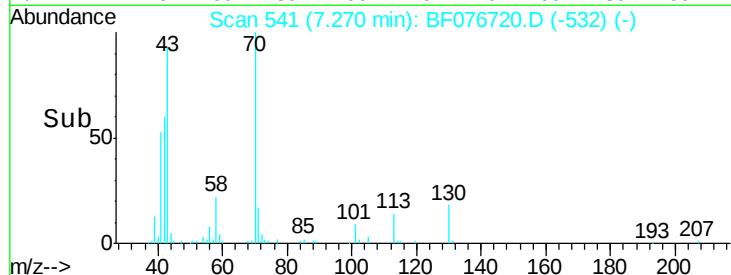
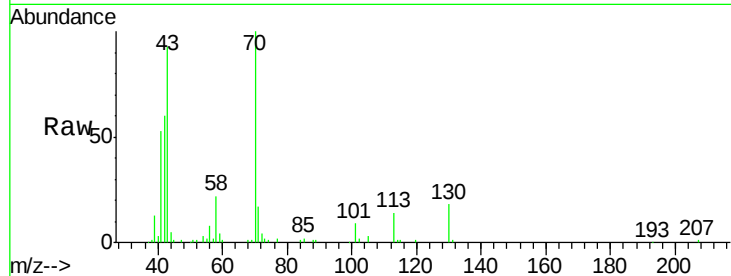
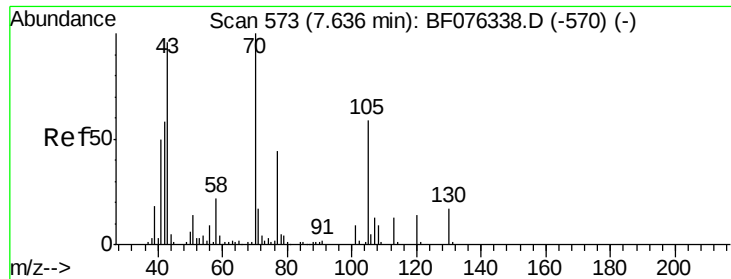
#18
Hexachloroethane
Concen: 48.69 ng
RT: 7.34 min Scan# 547
Delta R.T. 0.00 min
Lab File: BF076720.D
Acq: 1 Jan 2015 1:02

Tgt Ion:117 Resp: 49733
Ion Ratio Lower Upper
117 100
119 97.4 79.3 118.9
201 77.3 59.7 89.5



Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

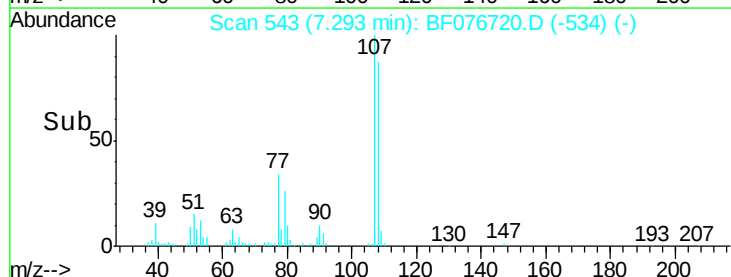
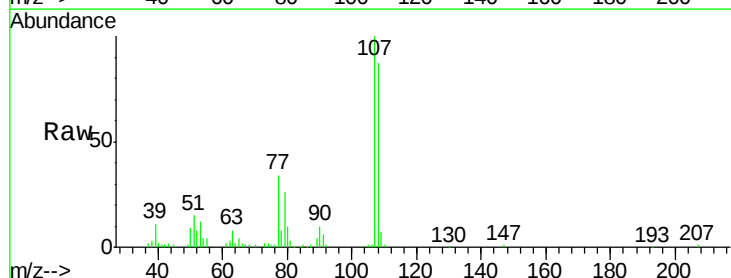
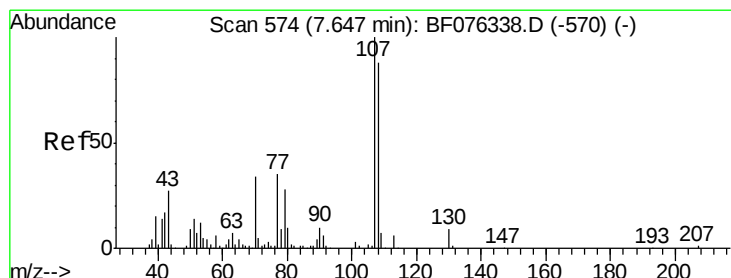
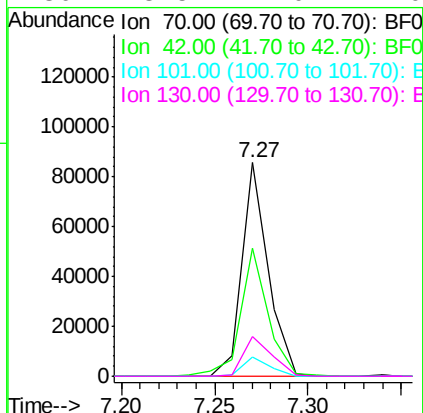




#19
n-Nitroso-di-n-propylamine
Concen: 44.01 ng
RT: 7.27 min Scan# 541
Delta R.T. 0.00 min
Lab File: BF076720.D
Acq: 1 Jan 2015 1:02

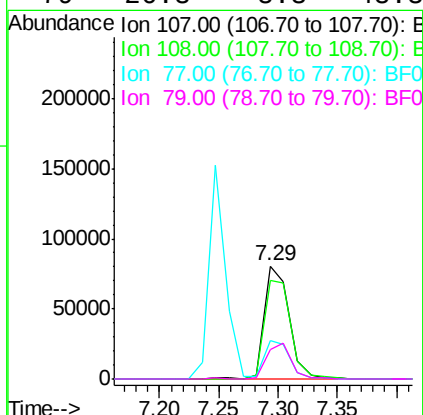
Instrument :
BNA_F
ClientSampleId :
SOILCUTTINGSMS

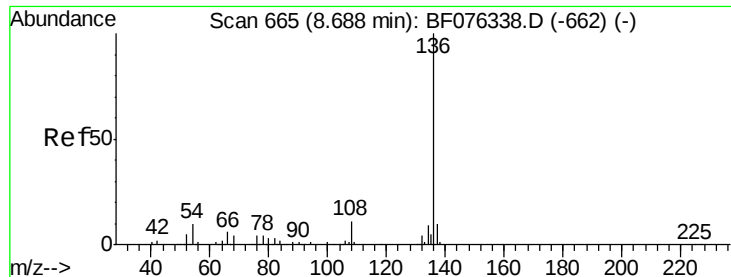
Tot Ion:	70	Resp:	83314
Ion	Ratio	Lower	Upper
70	100		
42	59.7	46.6	70.0
101	9.3	7.0	10.6
130	18.5	14.0	21.0



#20
3+4-Methylphenols
Concen: 43.71 ng
RT: 7.29 min Scan# 543
Delta R.T. 0.00 min
Lab File: BF076720.D
Acq: 1 Jan 2015 1:02

Tgt Ion:	107	Resp:	117876
Ion	Ratio	Lower	Upper
107	100		
108	87.0	67.5	107.5
77	34.0	15.2	55.2
79	26.3	8.3	48.3





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.30 min Scan# 631

Delta R.T. 0.00 min

Lab File: BF076720.D

Acq: 1 Jan 2015 1:02

Instrument :

BNA_F

ClientSampleId :

SOILCUTTINGSMS

Tot Ion:136 Resp: 153336

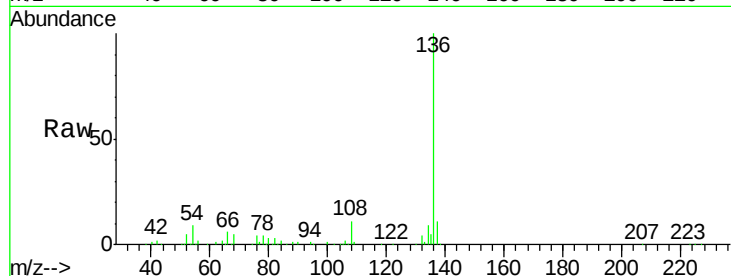
Ion Ratio Lower Upper

136 100

137 10.9 8.4 12.6

54 8.8 7.8 11.6

68 4.7 3.4 5.2

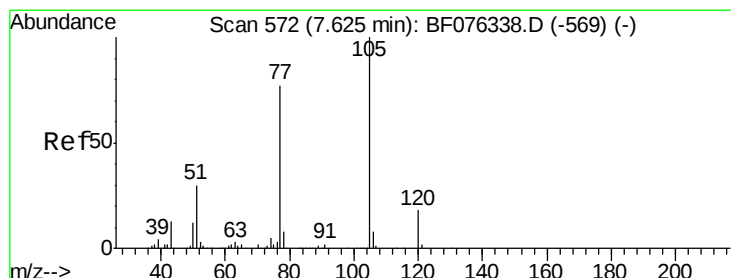
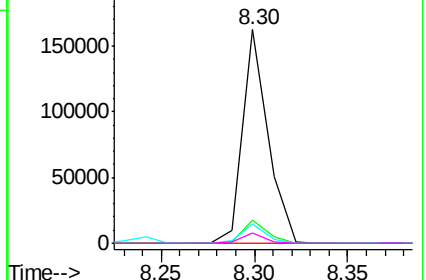
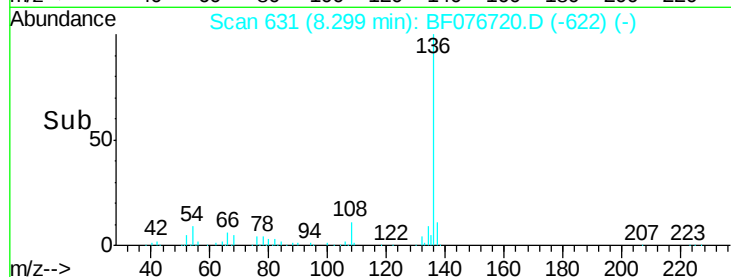


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#22

Acetophenone

Concen: 51.55 ng

RT: 7.25 min Scan# 539

Delta R.T. 0.00 min

Lab File: BF076720.D

Acq: 1 Jan 2015 1:02

Tgt Ion:105 Resp: 189437

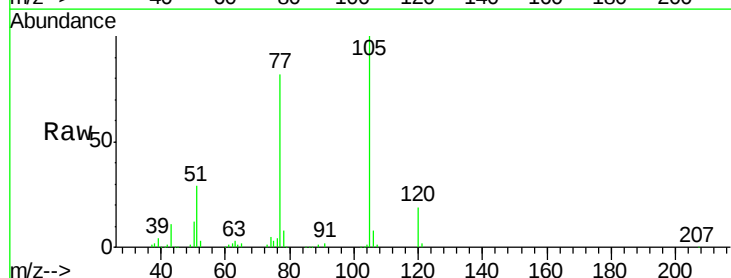
Ion Ratio Lower Upper

105 100

71 0.0 0.3 0.5#

51 29.5 23.8 35.8

120 18.9 14.6 22.0

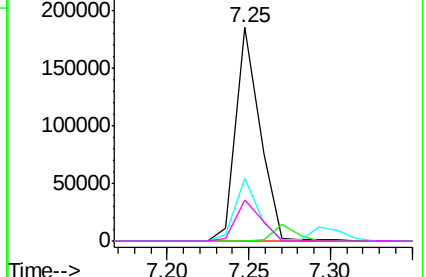
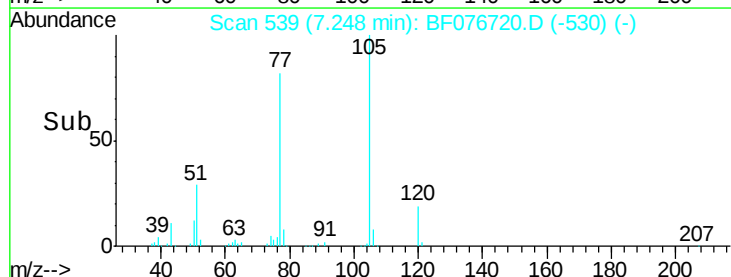


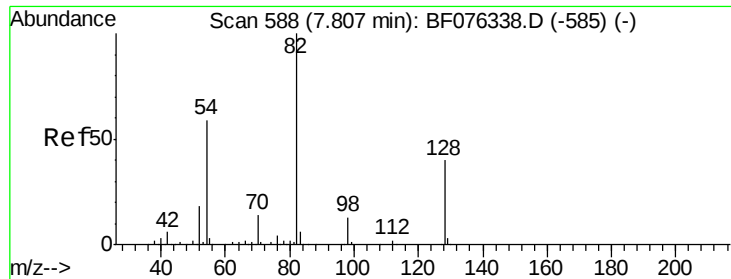
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E

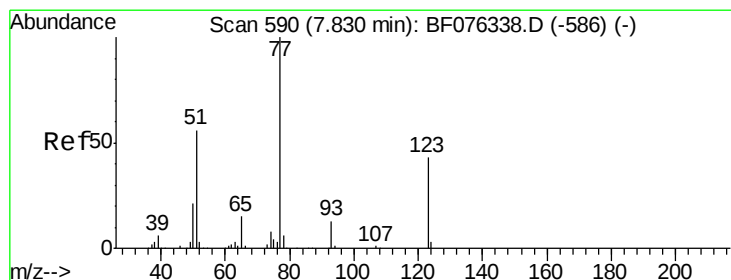
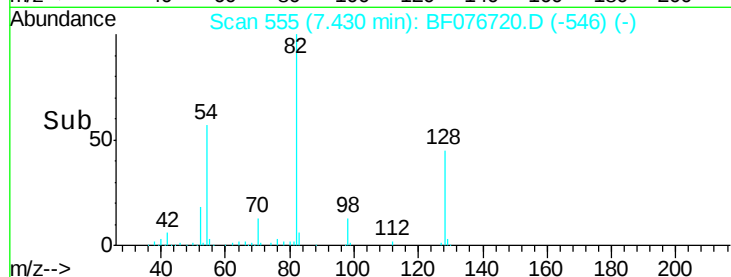
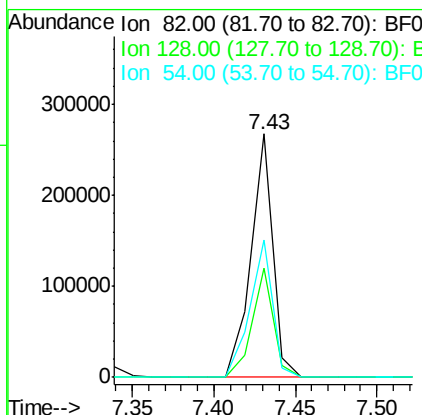
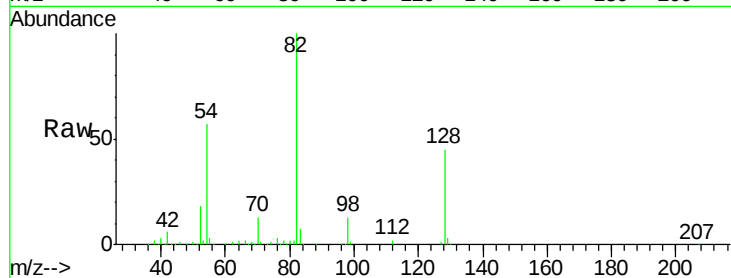




#23
 Nitrobenzene-d5
 Concen: 96.44 ng
 RT: 7.43 min Scan# 555
 Delta R.T. 0.00 min
 Lab File: BF076720.D
 Acq: 1 Jan 2015 1:02

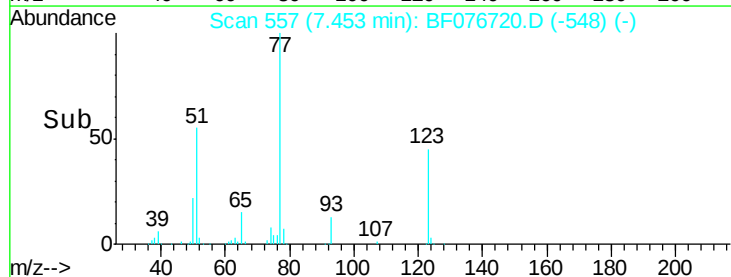
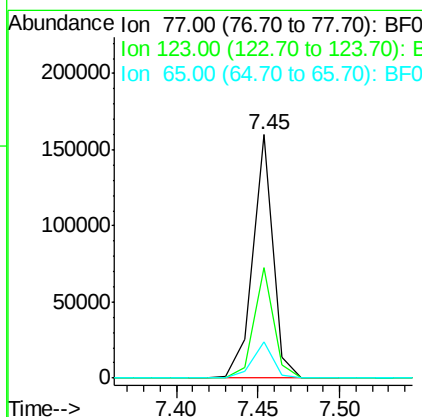
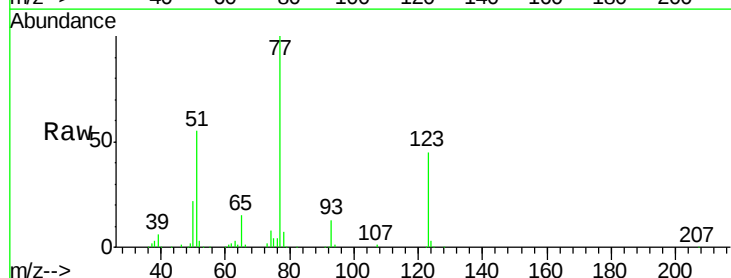
Instrument :
 BNA_F
 ClientSampleId :
 SOILCUTTINGSMS

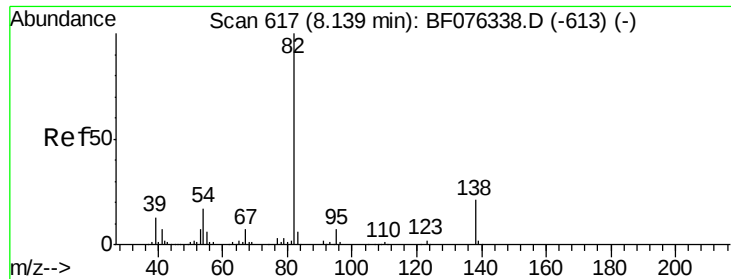
Tot Ion: 82 Resp: 248643
 Ion Ratio Lower Upper
 82 100
 128 44.6 31.9 47.9
 54 56.6 47.2 70.8



#24
 Nitrobenzene
 Concen: 51.45 ng
 RT: 7.45 min Scan# 557
 Delta R.T. 0.00 min
 Lab File: BF076720.D
 Acq: 1 Jan 2015 1:02

Tgt Ion: 77 Resp: 137551
 Ion Ratio Lower Upper
 77 100
 123 45.2 34.3 51.5
 65 14.9 12.2 18.2

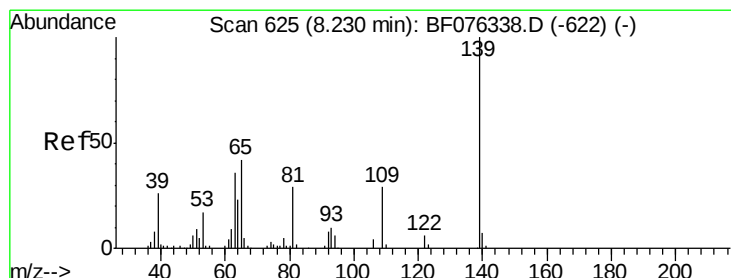
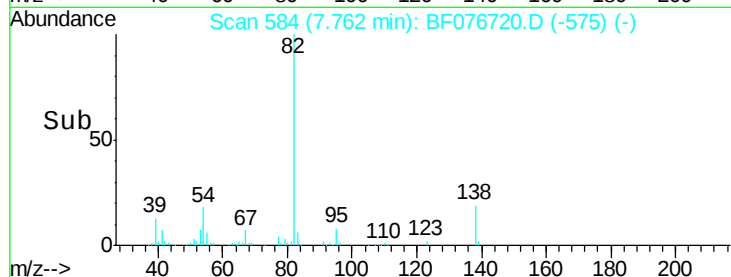
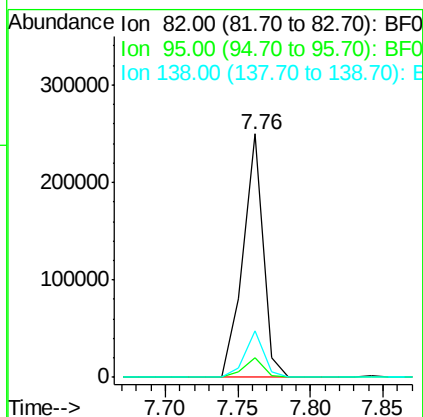
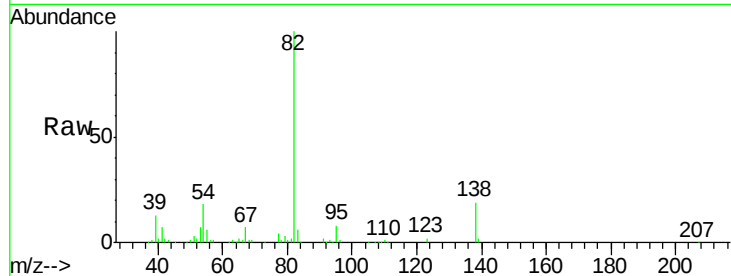




#25
Isophorone
Concen: 48.78 ng
RT: 7.76 min Scan# 584
Delta R.T. 0.00 min
Lab File: BF076720.D
Acq: 1 Jan 2015 1:02

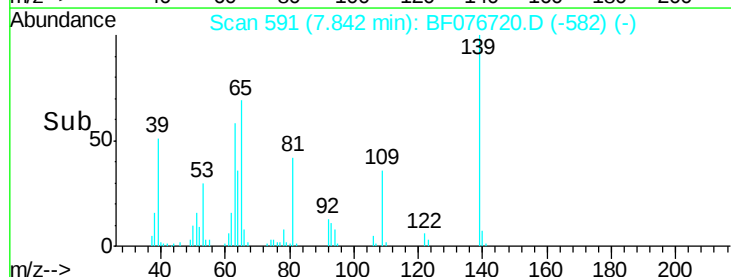
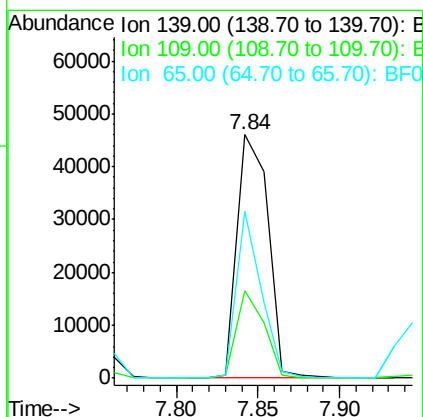
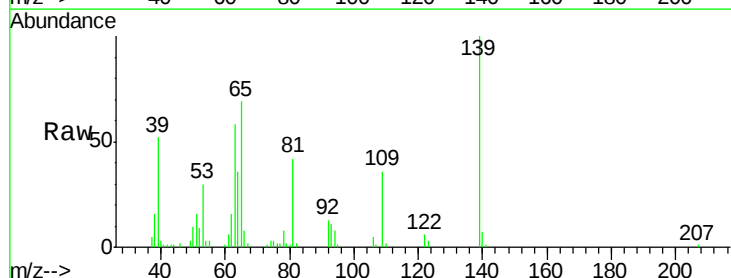
Instrument :
BNA_F
ClientSampleId :
SOILCUTTINGSMS

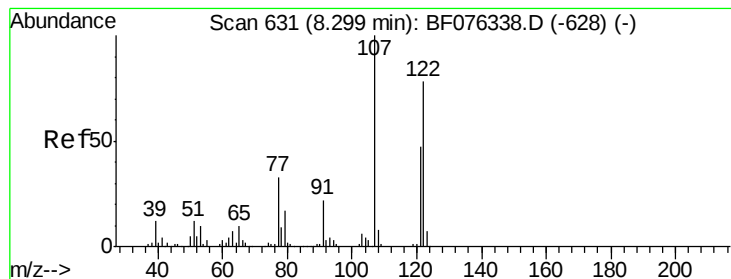
Tot Ion: 82 Resp: 242383
Ion Ratio Lower Upper
82 100
95 8.3 5.9 8.9
138 19.0 16.6 25.0



#26
2-Nitrophenol
Concen: 46.06 ng
RT: 7.84 min Scan# 591
Delta R.T. 0.00 min
Lab File: BF076720.D
Acq: 1 Jan 2015 1:02

Tgt Ion: 139 Resp: 60137
Ion Ratio Lower Upper
139 100
109 35.9 22.9 34.3#
65 68.5 33.3 49.9#





#27

2,4-Dimethylphenol

Concen: 48.49 ng

RT: 7.94 min Scan# 600

Delta R.T. 0.00 min

Lab File: BF076720.D

Acq: 1 Jan 2015 1:02

Instrument :

BNA_F

ClientSampleId :

SOILCUTTINGSMS

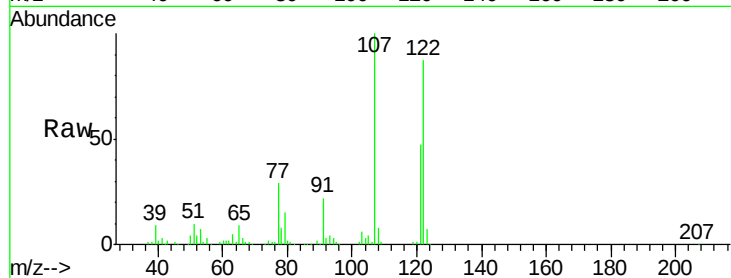
Tot Ion:122 Resp: 102461

Ion Ratio Lower Upper

122 100

107 115.5 102.5 153.7

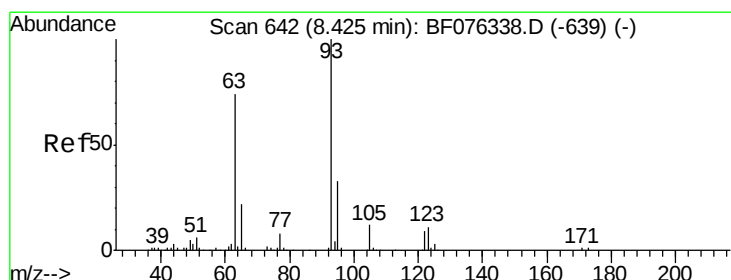
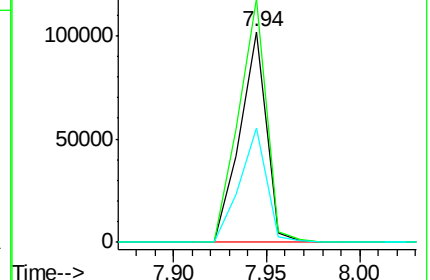
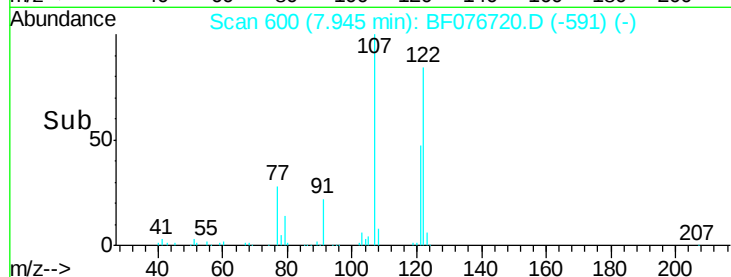
121 54.5 47.8 71.8



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 52.61 ng

RT: 8.06 min Scan# 610

Delta R.T. 0.00 min

Lab File: BF076720.D

Acq: 1 Jan 2015 1:02

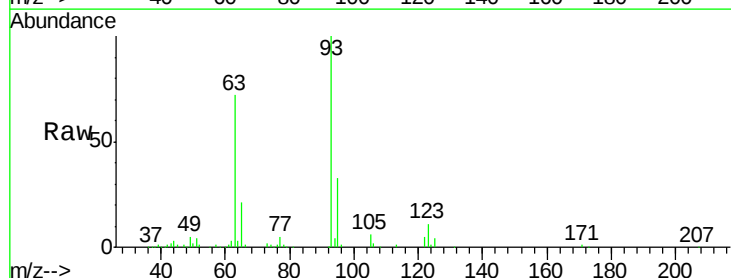
Tgt Ion: 93 Resp: 153469

Ion Ratio Lower Upper

93 100

95 32.5 26.2 39.2

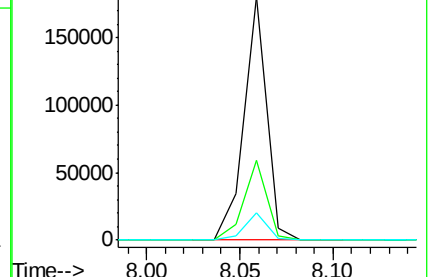
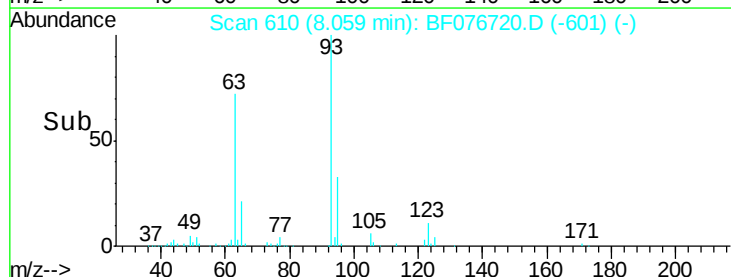
123 11.3 9.1 13.7

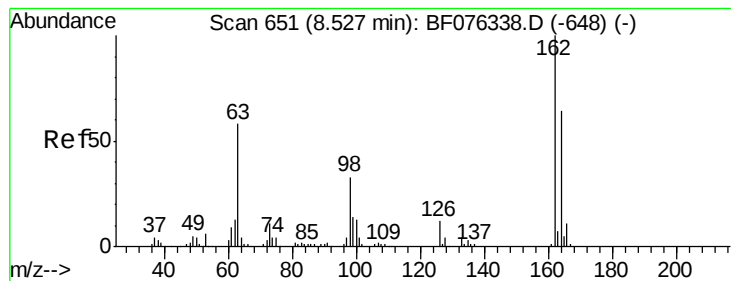


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 123.00 (122.70 to 123.70): E





#29

2,4-Dichlorophenol

Concen: 47.82 ng

RT: 8.15 min Scan# 618

Delta R.T. 0.00 min

Lab File: BF076720.D

Acq: 1 Jan 2015 1:02

Instrument :

BNA_F

ClientSampleId :

SOILCUTTINGSMS

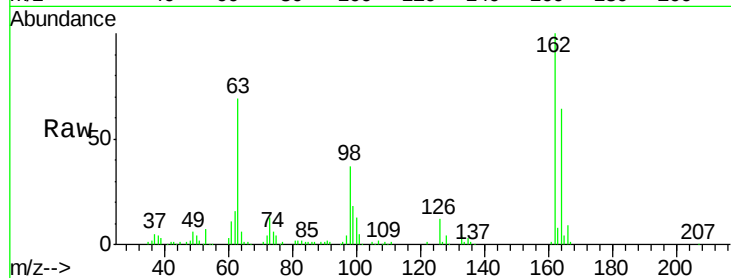
Tot Ion:162 Resp: 99324

Ion Ratio Lower Upper

162 100

164 64.4 44.0 84.0

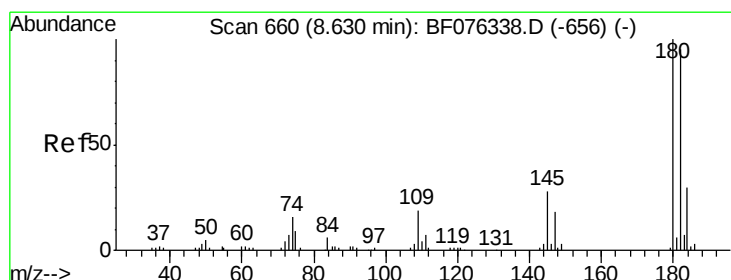
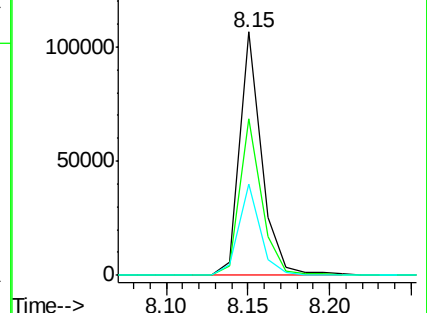
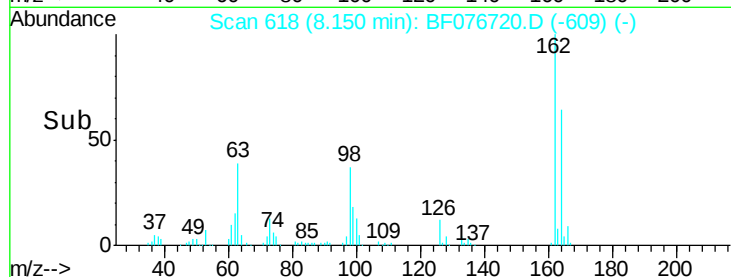
98 37.3 13.4 53.4



Abundance Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BF0



#30

1,2,4-Trichlorobenzene

Concen: 49.87 ng

RT: 8.24 min Scan# 626

Delta R.T. 0.00 min

Lab File: BF076720.D

Acq: 1 Jan 2015 1:02

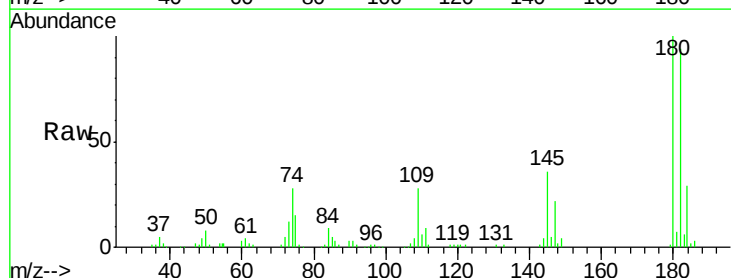
Tgt Ion:180 Resp: 111669

Ion Ratio Lower Upper

180 100

182 94.4 75.8 113.6

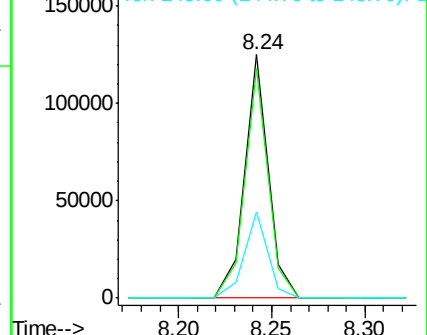
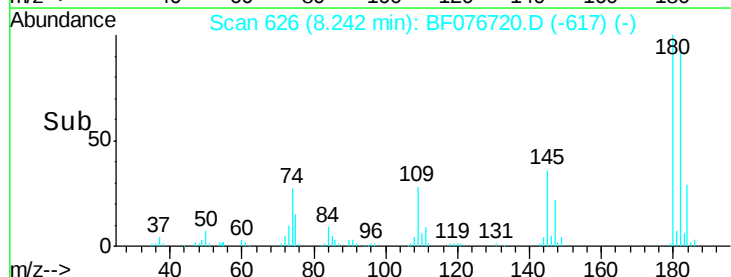
145 35.5 22.4 33.6#

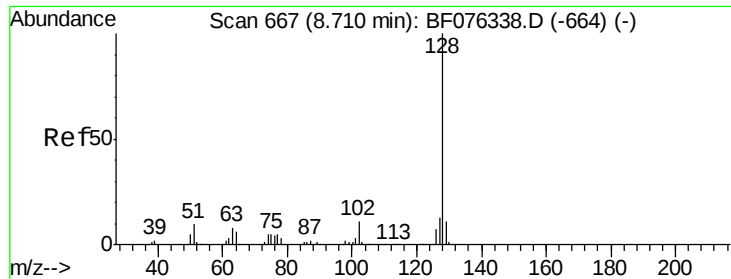


Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E

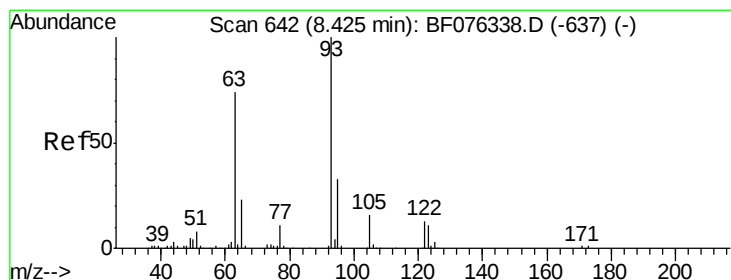
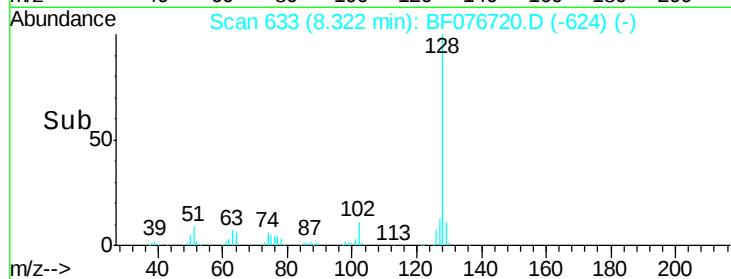
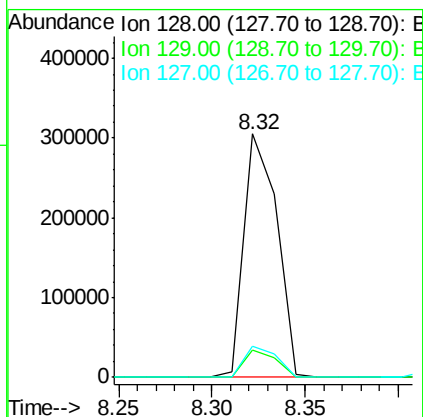
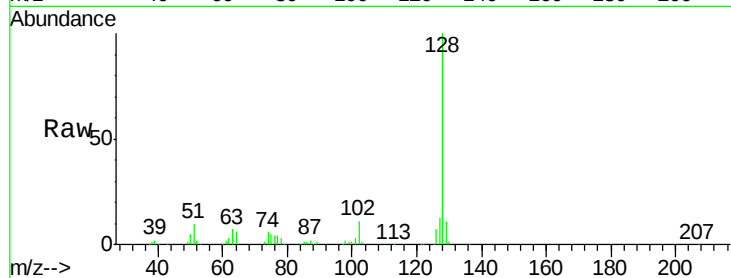




#31
Naphthalene
Concen: 49.31 ng
RT: 8.32 min Scan# 633
Delta R.T. 0.00 min
Lab File: BF076720.D
Acq: 1 Jan 2015 1:02

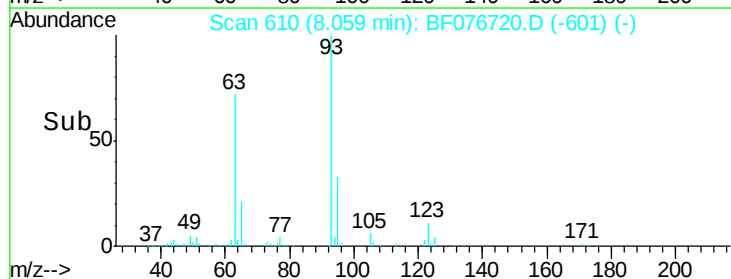
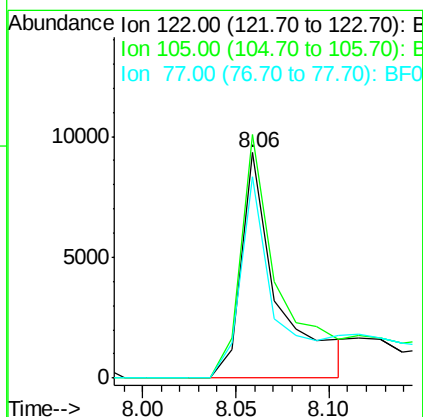
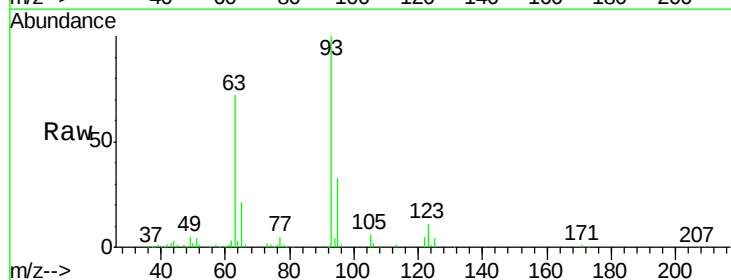
Instrument :
BNA_F
ClientSampleId :
SOILCUTTINGSMS

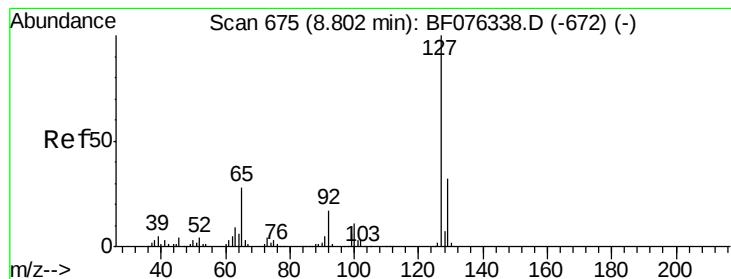
Tot Ion:128 Resp: 374595
Ion Ratio Lower Upper
128 100
129 11.4 9.1 13.7
127 12.9 10.2 15.2



#32
Benzoic acid
Concen: 14.06 ng
RT: 8.06 min Scan# 610
Delta R.T. 0.00 min
Lab File: BF076720.D
Acq: 1 Jan 2015 1:02

Tgt Ion:122 Resp: 12939
Ion Ratio Lower Upper
122 100
105 108.0 110.2 150.2#
77 89.6 70.7 110.7





#33

4-Chloroaniline

Concen: 7.72 ng

RT: 8.42 min Scan# 642

Delta R.T. 0.00 min

Lab File: BF076720.D

Acq: 1 Jan 2015 1:02

Instrument :

BNA_F

ClientSampleId :

SOILCUTTINGSMS

Tot Ion:127 Resp: 23925

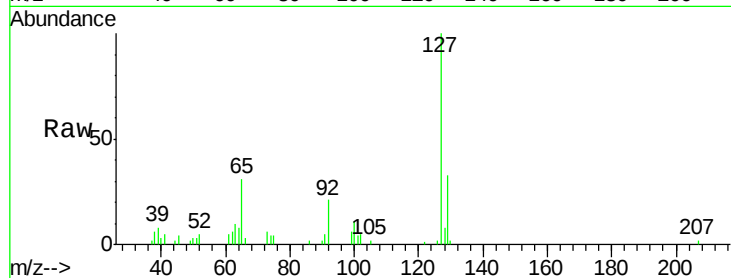
Ion Ratio Lower Upper

127 100

129 32.6 25.6 38.4

65 30.6 22.1 33.1

92 21.1 13.6 20.4#

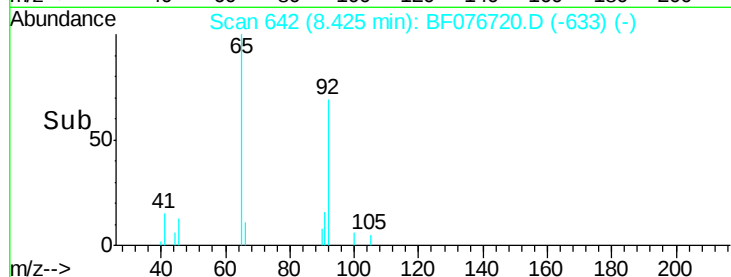


Abundance Ion 127.00 (126.70 to 127.70): E

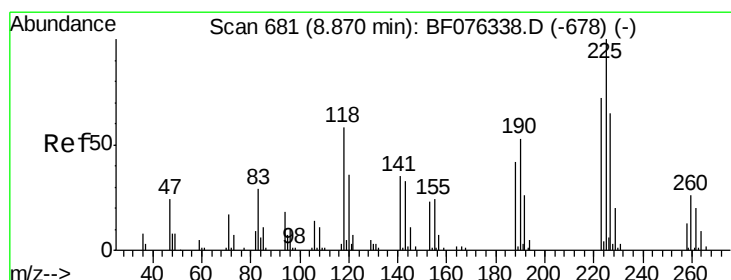
Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0



Time-->



#34

Hexachlorobutadiene

Concen: 49.00 ng

RT: 8.49 min Scan# 648

Delta R.T. 0.00 min

Lab File: BF076720.D

Acq: 1 Jan 2015 1:02

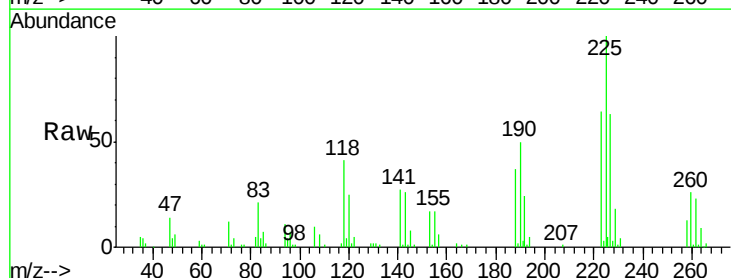
Tgt Ion:225 Resp: 63784

Ion Ratio Lower Upper

225 100

223 63.8 57.3 85.9

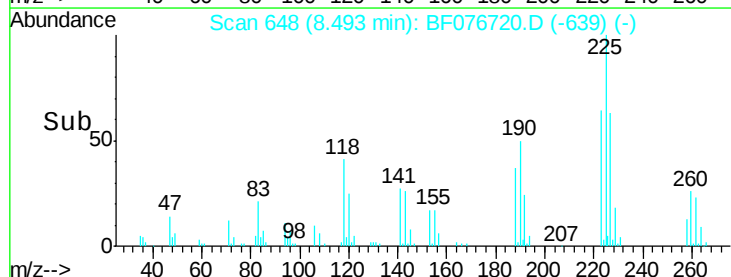
227 62.8 52.3 78.5



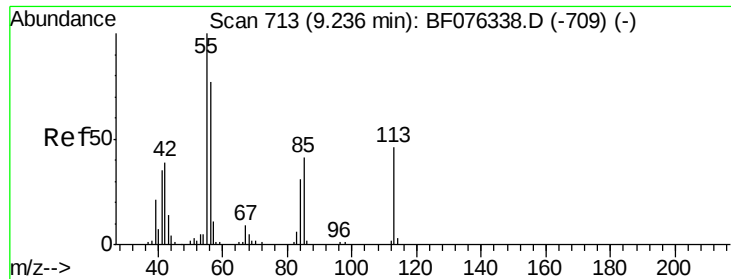
Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E



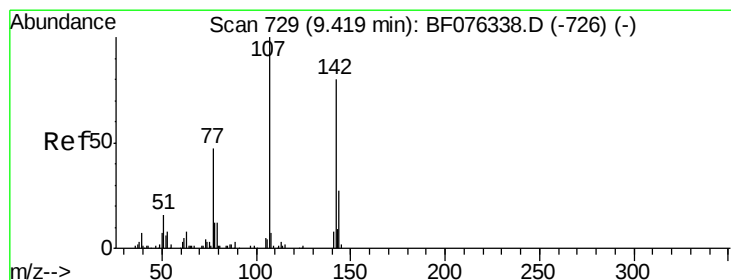
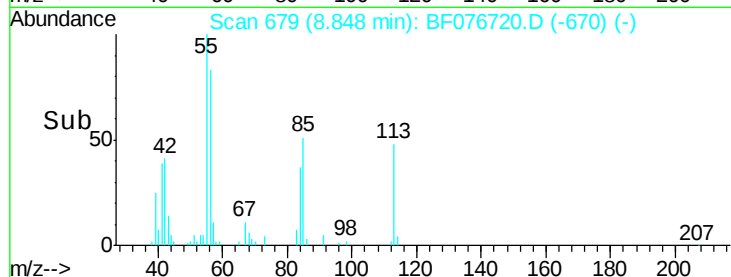
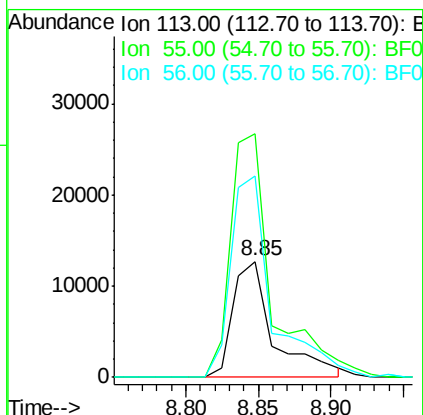
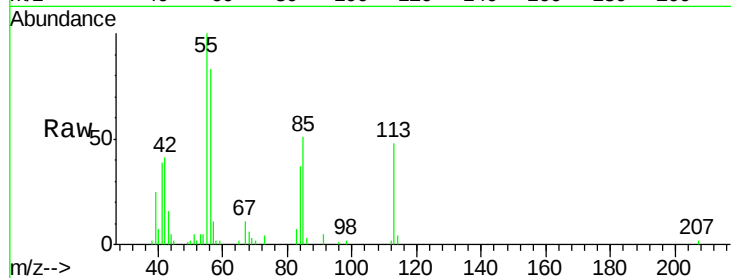
Time-->



#35
 Caprolactam
 Concen: 41.26 ng
 RT: 8.85 min Scan# 679
 Delta R.T. 0.00 min
 Lab File: BF076720.D
 Acq: 1 Jan 2015 1:02

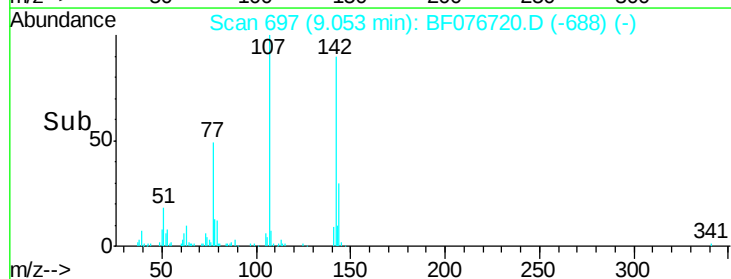
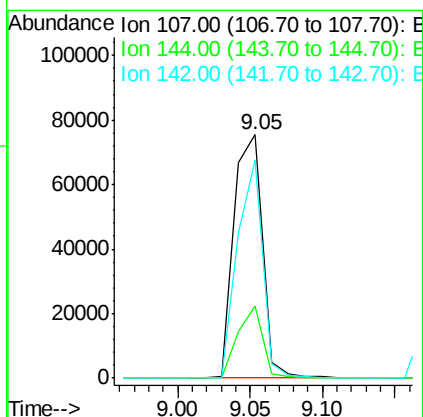
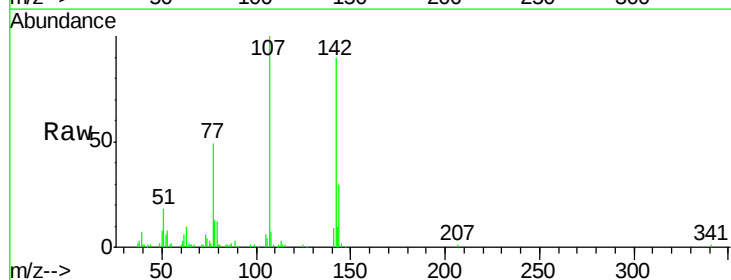
Instrument :
 BNA_F
 ClientSampleId :
 SOILCUTTINGSMS

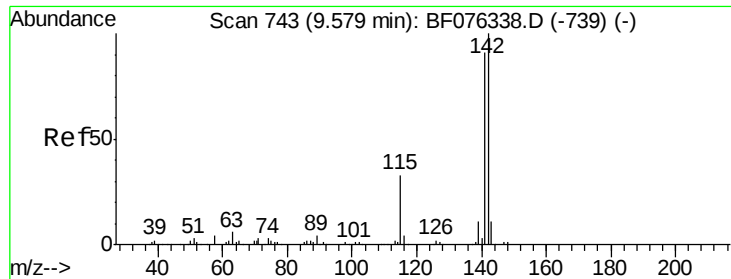
Tot Ion:113 Resp: 24705
 Ion Ratio Lower Upper
 113 100
 55 210.5 199.5 239.5
 56 174.2 148.4 188.4



#36
 4-Chloro-3-methylphenol
 Concen: 44.49 ng
 RT: 9.05 min Scan# 697
 Delta R.T. 0.00 min
 Lab File: BF076720.D
 Acq: 1 Jan 2015 1:02

Tgt Ion:107 Resp: 102828
 Ion Ratio Lower Upper
 107 100
 144 29.8 21.8 32.6
 142 89.6 64.4 96.6

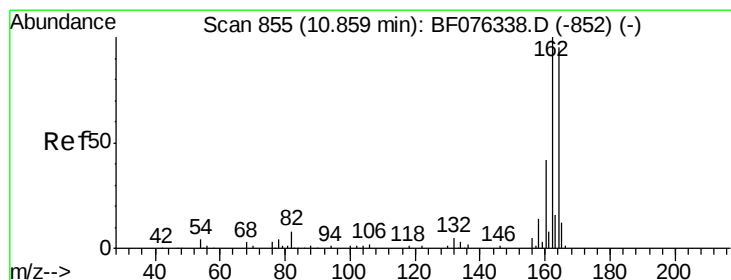
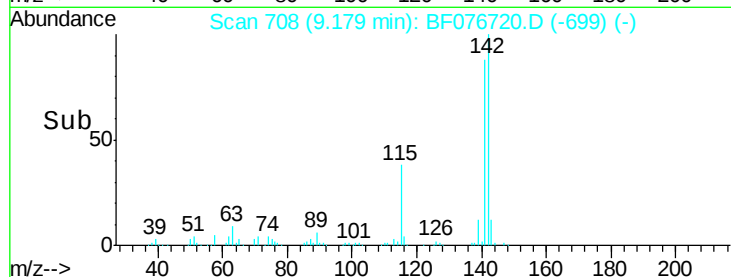
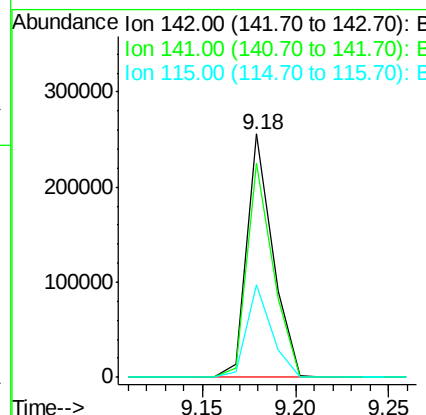
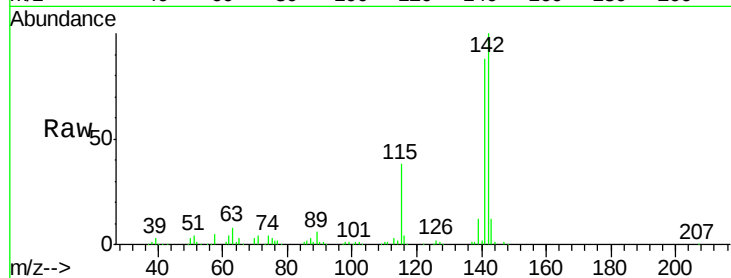




#37
2-Methylnaphthalene
Concen: 46.86 ng
RT: 9.18 min Scan# 708
Delta R.T. 0.00 min
Lab File: BF076720.D
Acq: 1 Jan 2015 1:02

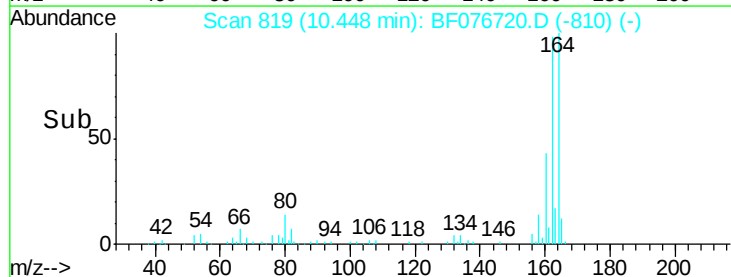
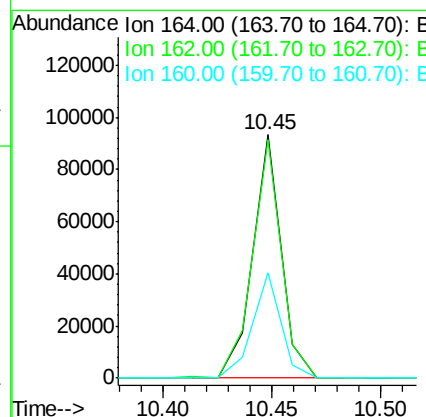
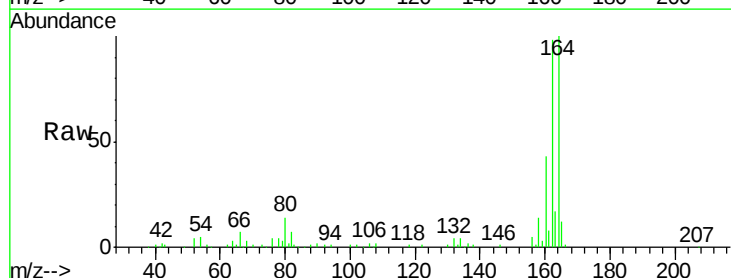
Instrument :
BNA_F
ClientSampleId :
SOILCUTTINGSMS

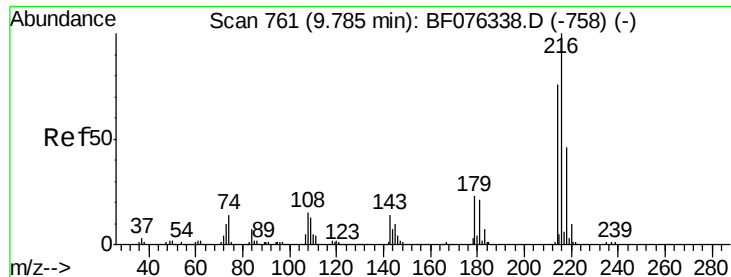
Tot Ion:142 Resp: 248368
Ion Ratio Lower Upper
142 100
141 88.1 72.4 108.6
115 37.8 26.5 39.7



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.45 min Scan# 819
Delta R.T. 0.00 min
Lab File: BF076720.D
Acq: 1 Jan 2015 1:02

Tgt Ion:164 Resp: 84841
Ion Ratio Lower Upper
164 100
162 98.2 84.2 126.2
160 43.2 35.5 53.3

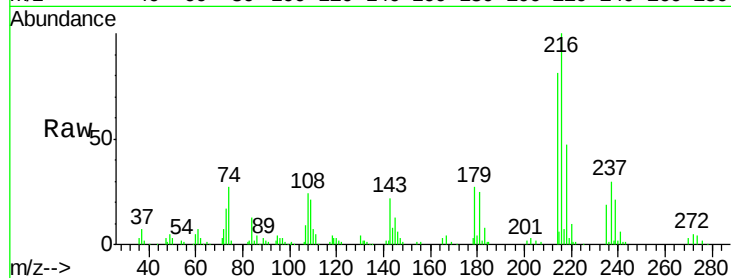




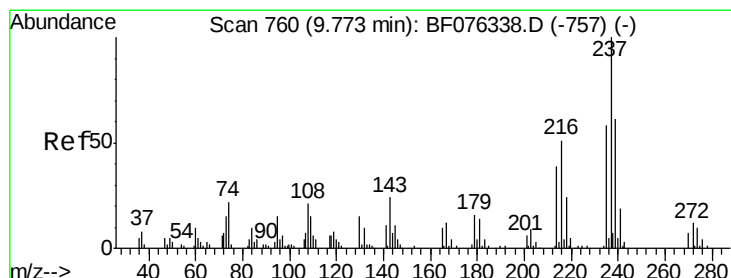
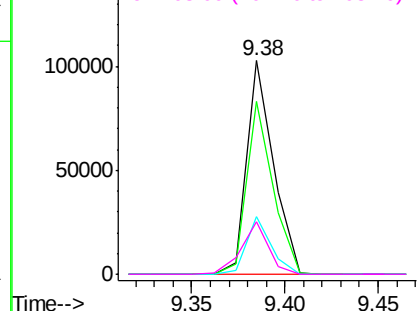
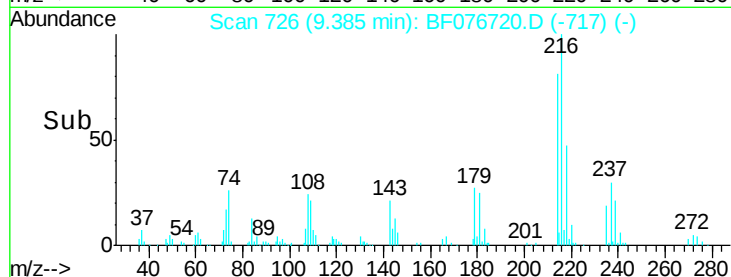
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 48.76 ng
 RT: 9.38 min Scan# 726
 Delta R.T. 0.00 min
 Lab File: BF076720.D
 Acq: 1 Jan 2015 1:02

Instrument :
 BNA_F
 ClientSampleId :
 SOILCUTTINGSMS

Tot Ion:216 Resp: 101772
 Ion Ratio Lower Upper
 216 100
 214 79.2 48.7 73.1#
 179 25.2 14.5 21.7#
 108 25.3 0.0 0.0#

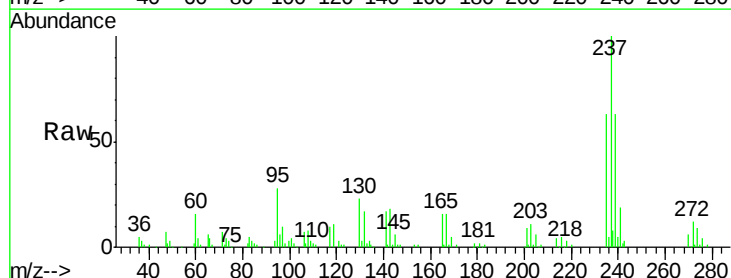


Abundance Ion 216.00 (215.70 to 216.70): E
 Ion 214.00 (213.70 to 214.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 108.00 (107.70 to 108.70): E

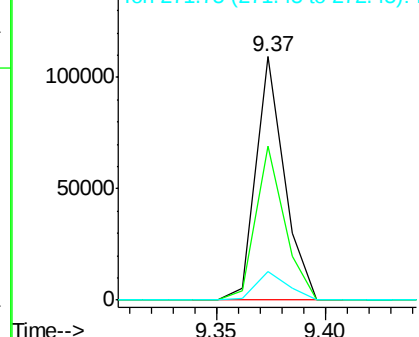
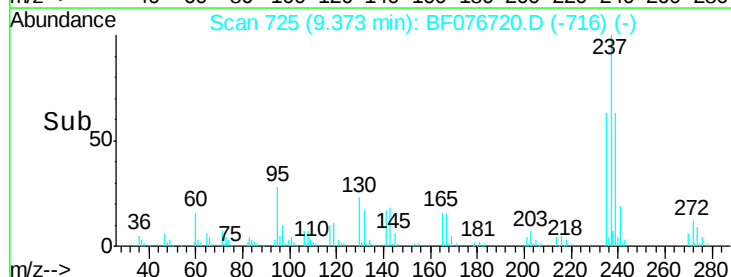


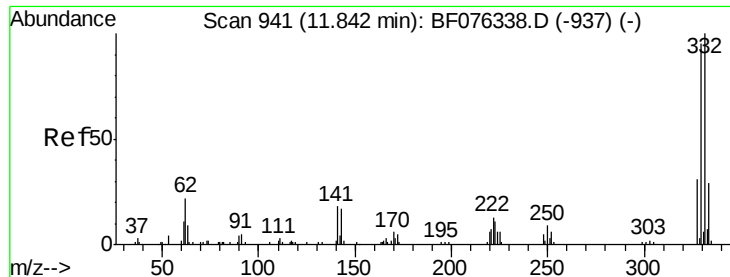
#40
 Hexachlorocyclopentadiene
 Concen: 82.30 ng
 RT: 9.37 min Scan# 725
 Delta R.T. 0.00 min
 Lab File: BF076720.D
 Acq: 1 Jan 2015 1:02

Tgt Ion:237 Resp: 99693
 Ion Ratio Lower Upper
 237 100
 235 63.4 38.5 78.5
 272 11.8 0.0 32.2



Abundance Ion 236.80 (236.50 to 237.50): E
 Ion 234.90 (234.60 to 235.60): E
 Ion 271.75 (271.45 to 272.45): E

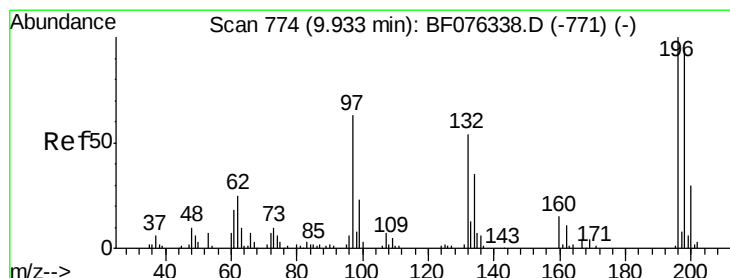
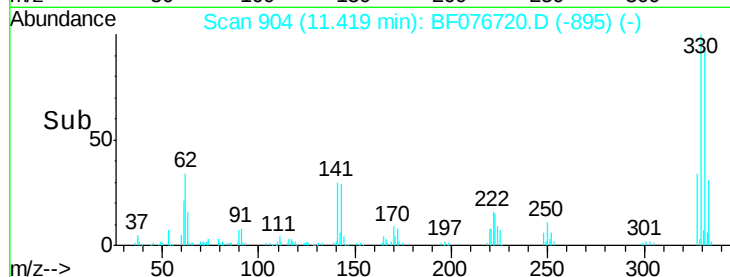
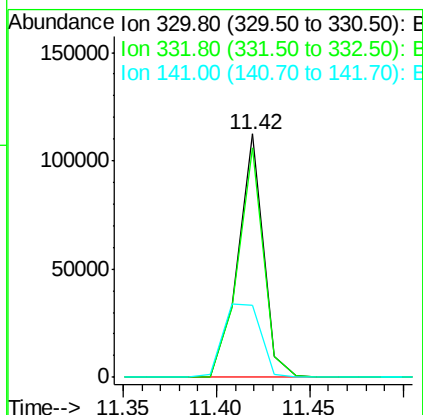
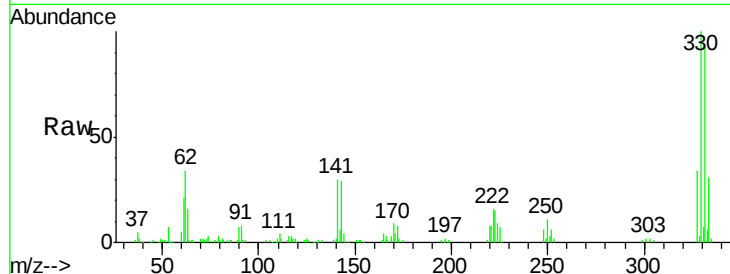




#41
 2,4,6-Tribromophenol
 Concen: 149.39 ng
 RT: 11.42 min Scan# 904
 Delta R.T. 0.00 min
 Lab File: BF076720.D
 Acq: 1 Jan 2015 1:02

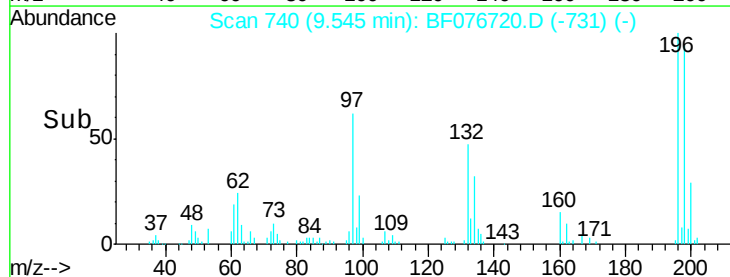
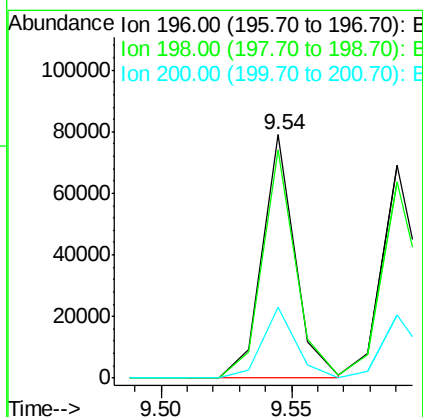
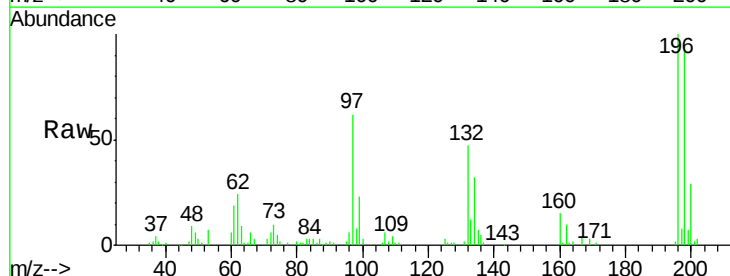
Instrument :
 BNA_F
 ClientSampleId :
 SOILCUTTINGSMS

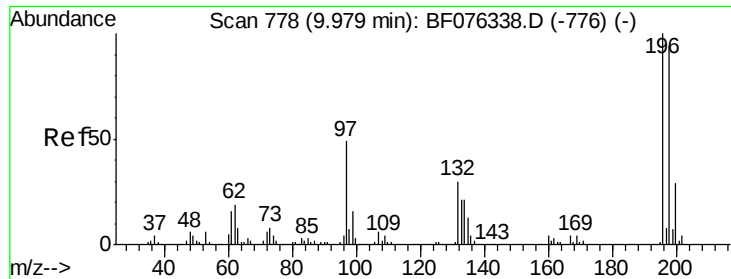
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.2	0.0	0.0#
141	44.7	0.0	0.0#



#42
 2,4,6-Trichlorophenol
 Concen: 45.96 ng
 RT: 9.54 min Scan# 740
 Delta R.T. 0.00 min
 Lab File: BF076720.D
 Acq: 1 Jan 2015 1:02

Tgt Ion	Ratio	Lower	Upper
196	100		
198	93.9	75.6	113.4
200	29.3	24.0	36.0

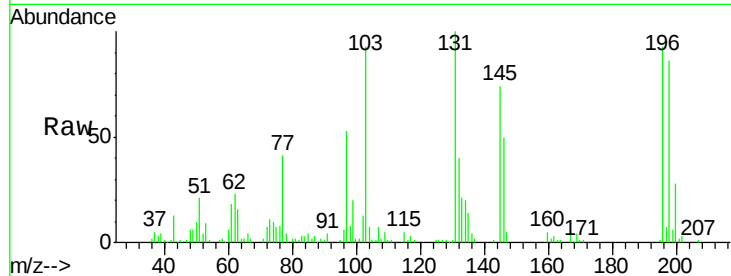




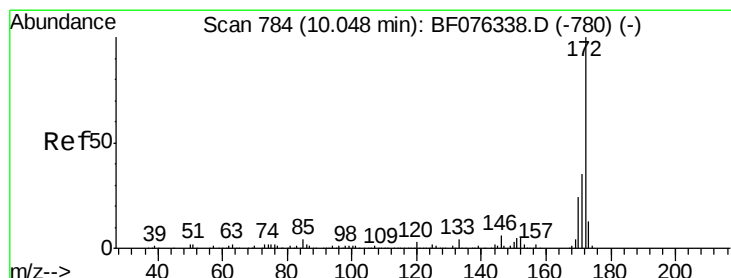
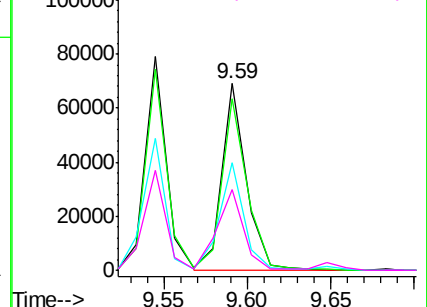
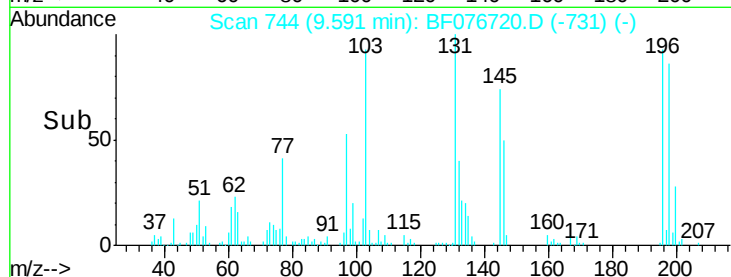
#43
2,4,5-Trichlorophenol
Concen: 42.94 ng/mL
RT: 9.59 min Scan# 744
Delta R.T. 0.05 min
Lab File: BF076720.D
Acq: 1 Jan 2015 1:02

Instrument :
BNA_F
ClientSampleId :
SOILCUTTINGSMS

Tot Ion:196 Resp: 69951
Ion Ratio Lower Upper
196 100
198 92.3 75.2 112.8
97 57.5 39.0 58.4
132 43.2 24.4 36.6#

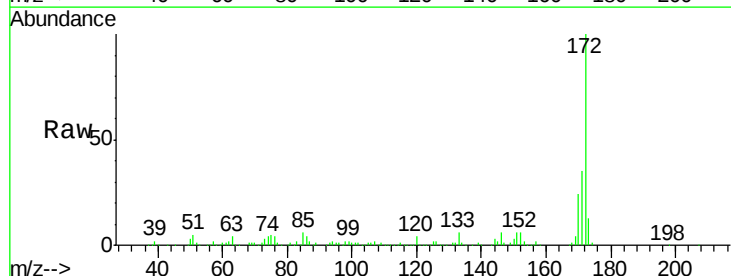


Abundance Ion 196.00 (195.70 to 196.70): E
Ion 198.00 (197.70 to 198.70): E
Ion 97.00 (96.70 to 97.70): BF0
Ion 132.00 (131.70 to 132.70): E

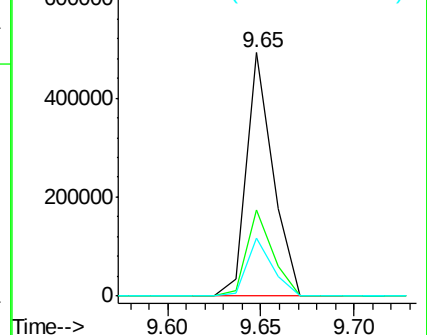
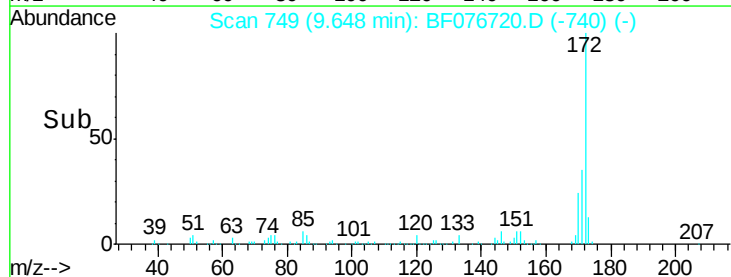


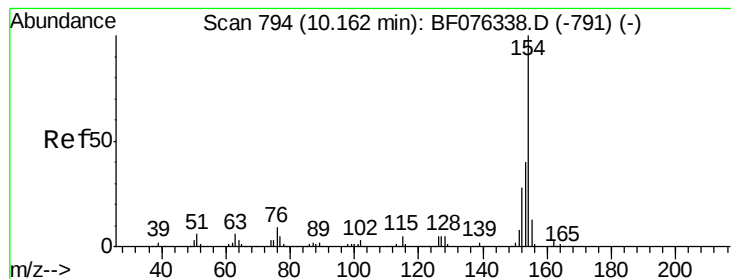
#44
2-Fluorobiphenyl
Concen: 88.35 ng/mL
RT: 9.65 min Scan# 749
Delta R.T. 0.00 min
Lab File: BF076720.D
Acq: 1 Jan 2015 1:02

Tgt Ion:172 Resp: 481646
Ion Ratio Lower Upper
172 100
171 35.4 27.8 41.8
170 24.0 19.0 28.4



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





#45

1,1'-Biphenyl

Concen: 47.93 ng

RT: 9.76 min Scan# 759

Delta R.T. 0.00 min

Lab File: BF076720.D

Acq: 1 Jan 2015 1:02

Instrument :

BNA_F

ClientSampleId :

SOILCUTTINGSMS

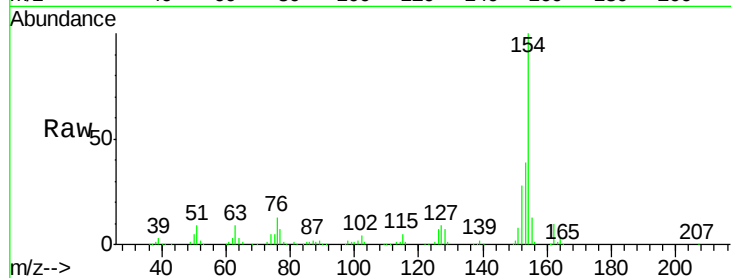
Tot Ion:154 Resp: 302104

Ion Ratio Lower Upper

154 100

153 39.3 20.0 60.0

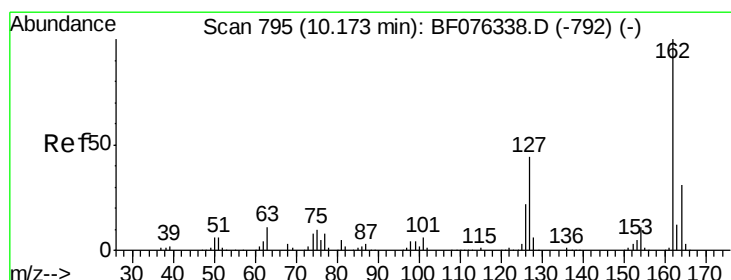
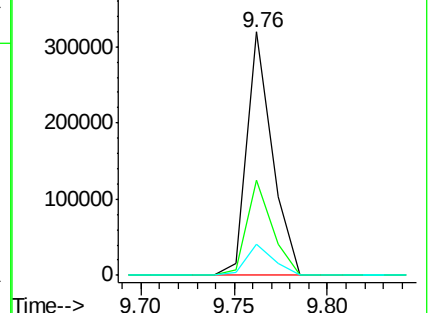
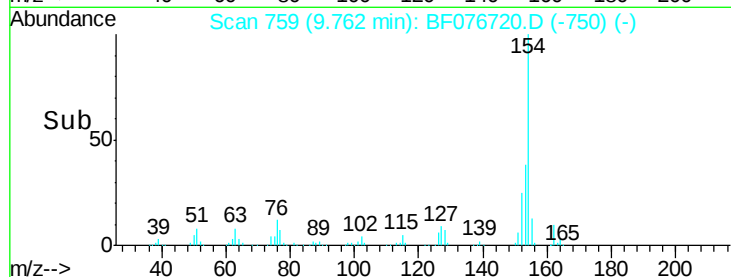
76 12.8 0.0 29.4



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0



#46

2-Chloronaphthalene

Concen: 49.32 ng

RT: 9.77 min Scan# 760

Delta R.T. 0.00 min

Lab File: BF076720.D

Acq: 1 Jan 2015 1:02

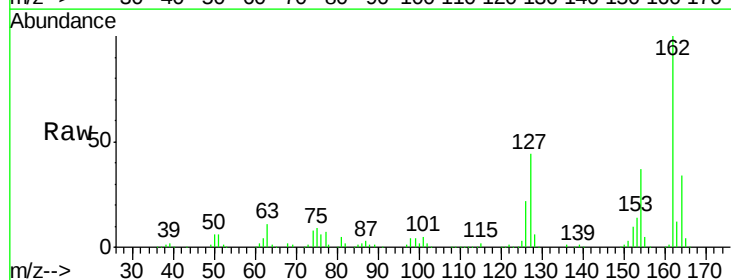
Tgt Ion:162 Resp: 246554

Ion Ratio Lower Upper

162 100

127 43.6 35.2 52.8

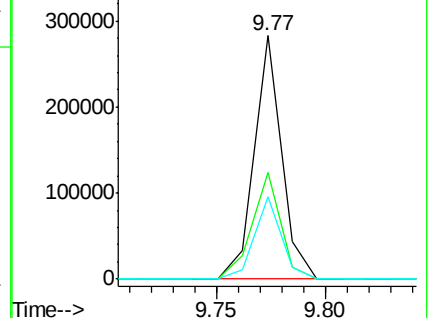
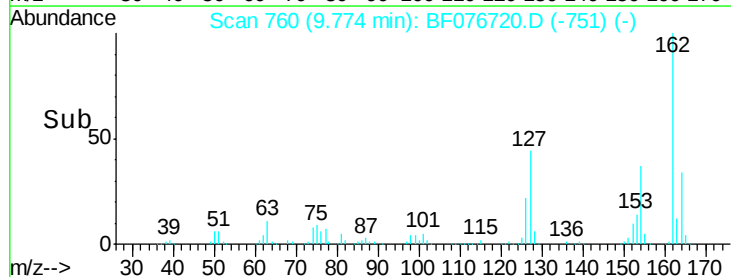
164 33.7 24.6 36.8

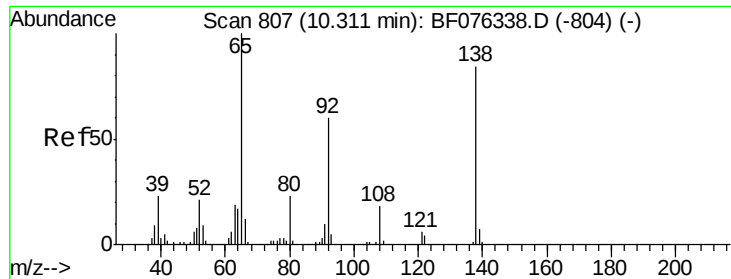


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E

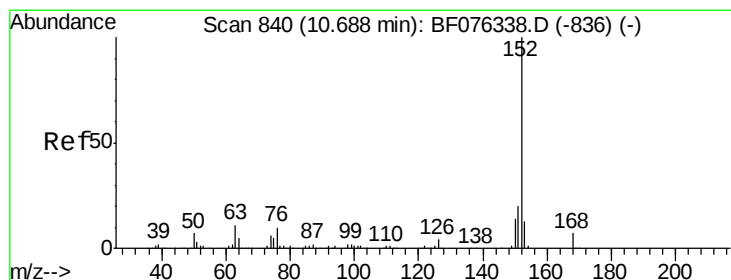
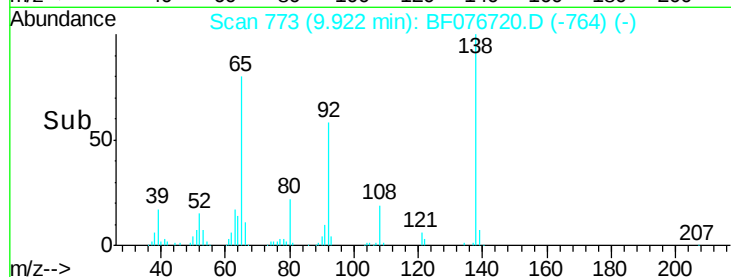
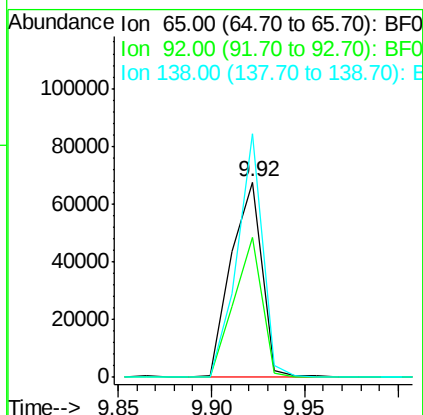
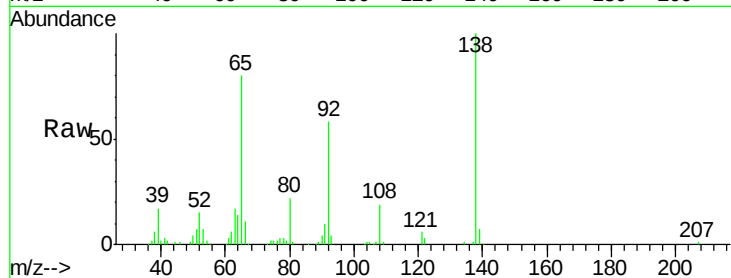




#47
2-Nitroaniline
Concen: 51.76 ng
RT: 9.92 min Scan# 773
Delta R.T. 0.00 min
Lab File: BF076720.D
Acq: 1 Jan 2015 1:02

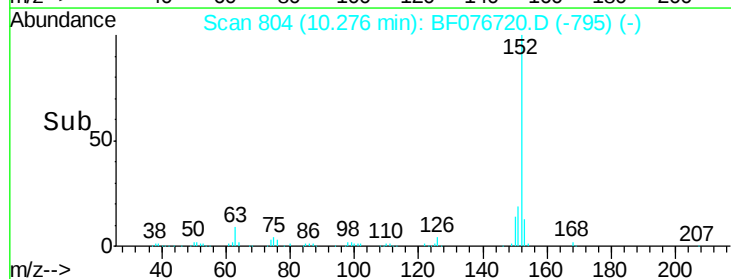
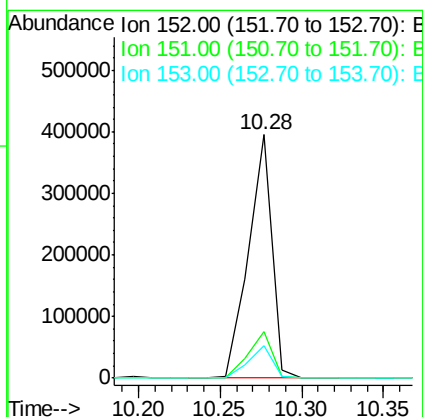
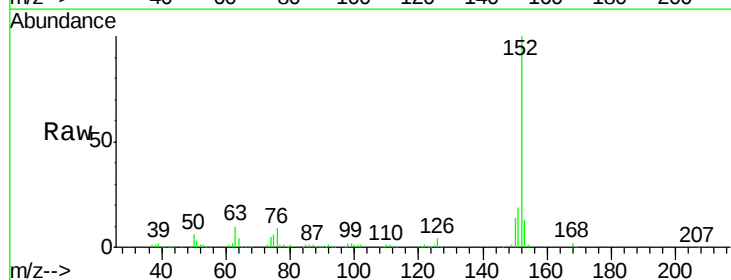
Instrument :
BNA_F
ClientSampleId :
SOILCUTTINGSMS

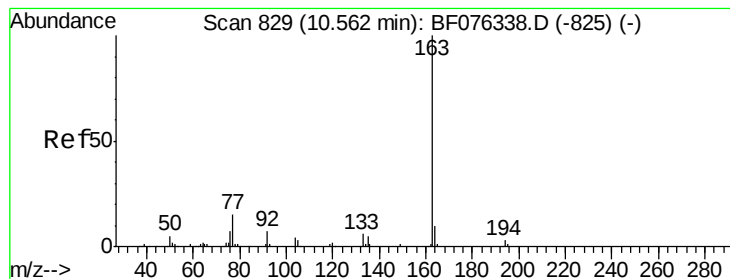
Tot Ion: 65 Resp: 78706
Ion Ratio Lower Upper
65 100
92 71.8 48.0 72.0
138 124.7 67.0 100.6#



#48
Acenaphthylene
Concen: 46.14 ng
RT: 10.28 min Scan# 804
Delta R.T. 0.00 min
Lab File: BF076720.D
Acq: 1 Jan 2015 1:02

Tgt Ion:152 Resp: 392311
Ion Ratio Lower Upper
152 100
151 19.1 15.7 23.5
153 13.3 10.2 15.2





#49

Dimethylphthalate

Concen: 51.01 ng

RT: 10.17 min Scan# 795

Delta R.T. 0.00 min

Lab File: BF076720.D

Acq: 1 Jan 2015 1:02

Instrument :

BNA_F

ClientSampleId :

SOILCUTTINGSMS

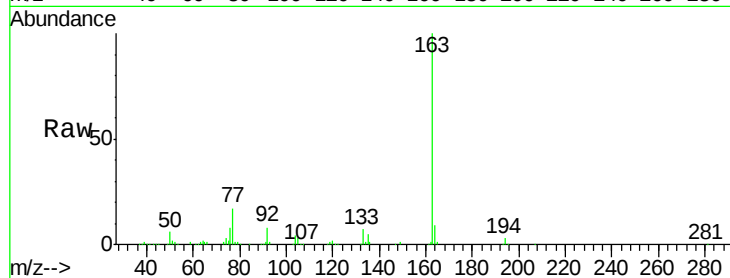
Tot Ion:163 Resp: 306123

Ion Ratio Lower Upper

163 100

194 3.1 2.6 4.0

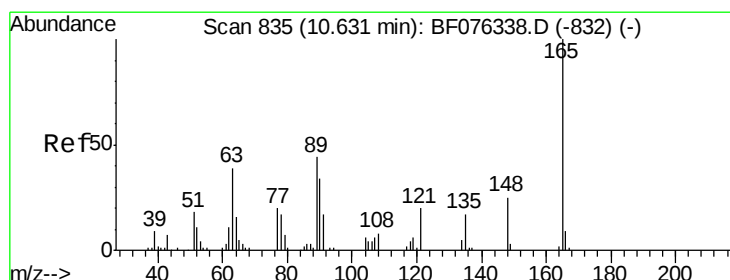
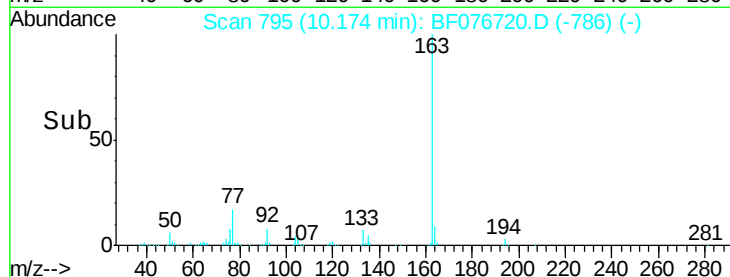
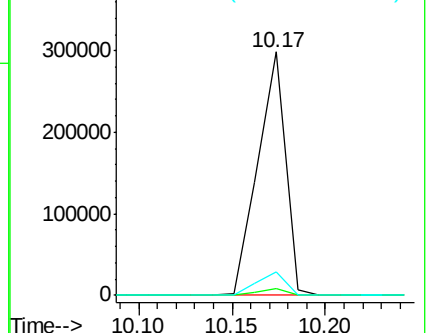
164 9.4 7.7 11.5



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 50.30 ng

RT: 10.23 min Scan# 800

Delta R.T. 0.00 min

Lab File: BF076720.D

Acq: 1 Jan 2015 1:02

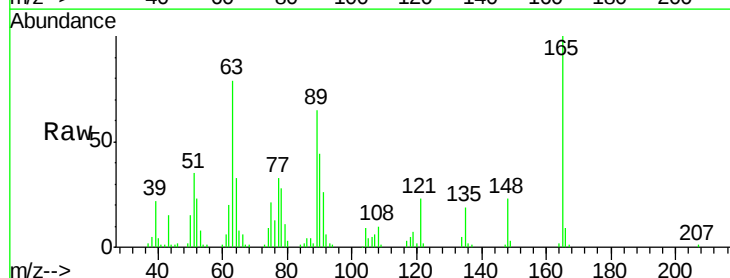
Tgt Ion:165 Resp: 61856

Ion Ratio Lower Upper

165 100

63 79.4 35.0 52.6#

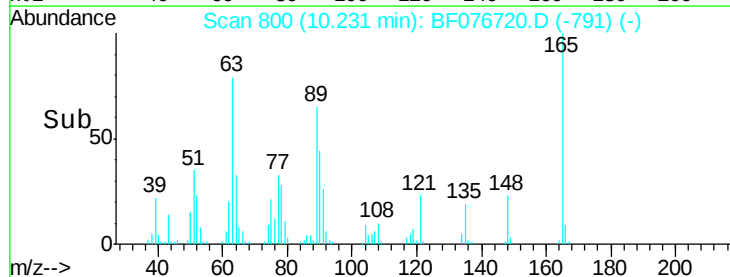
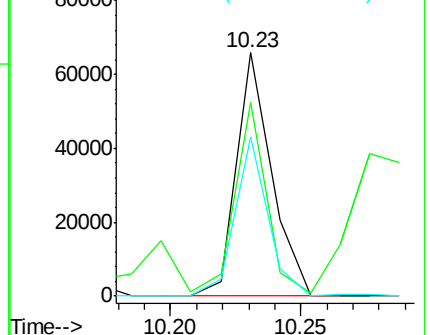
89 65.4 35.4 53.2#

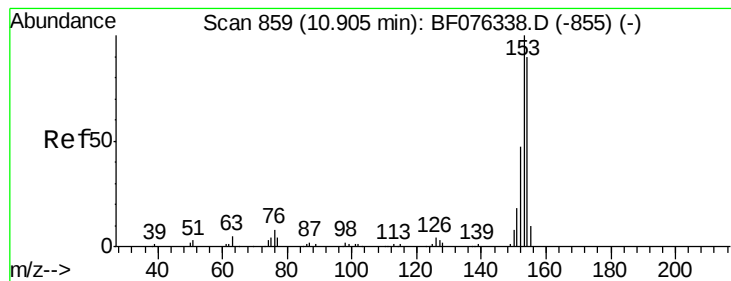


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 45.14 ng

RT: 10.48 min Scan# 822

Delta R.T. 0.00 min

Lab File: BF076720.D

Acq: 1 Jan 2015 1:02

Instrument :

BNA_F

ClientSampleId :

SOILCUTTINGSMS

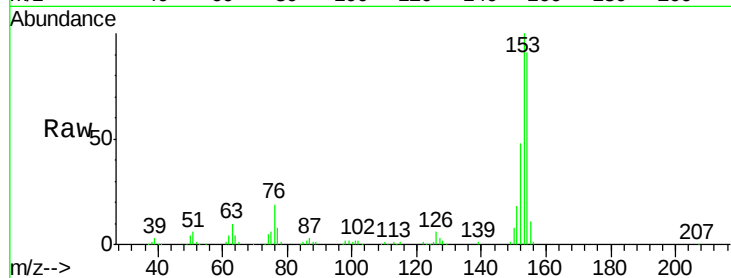
Tot Ion:154 Resp: 217146

Ion Ratio Lower Upper

154 100

153 110.5 89.4 134.0

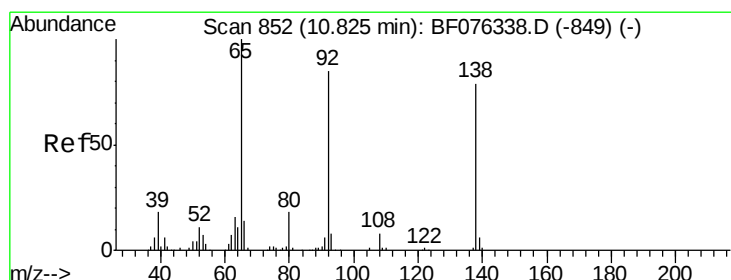
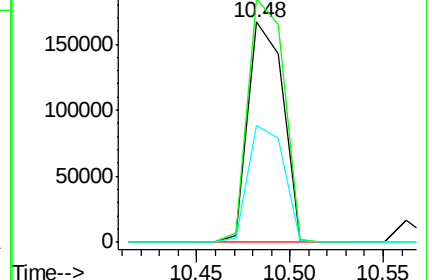
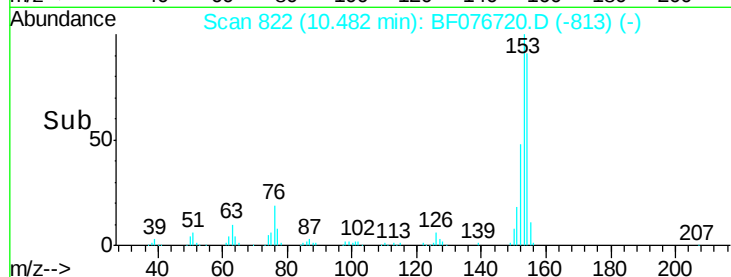
152 53.1 42.1 63.1



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 19.02 ng

RT: 10.42 min Scan# 817

Delta R.T. 0.00 min

Lab File: BF076720.D

Acq: 1 Jan 2015 1:02

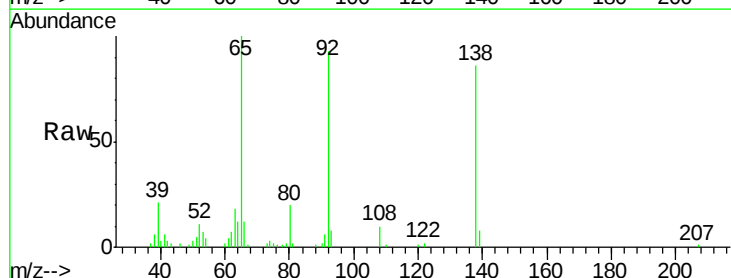
Tgt Ion:138 Resp: 26556

Ion Ratio Lower Upper

138 100

108 11.2 8.5 12.7

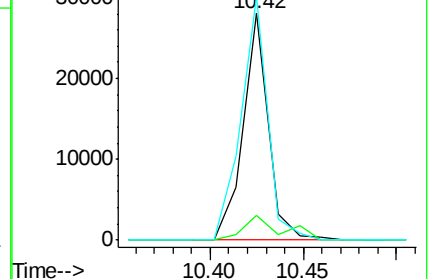
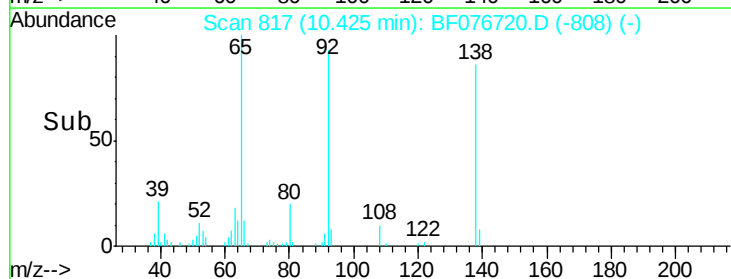
92 107.4 85.6 128.4

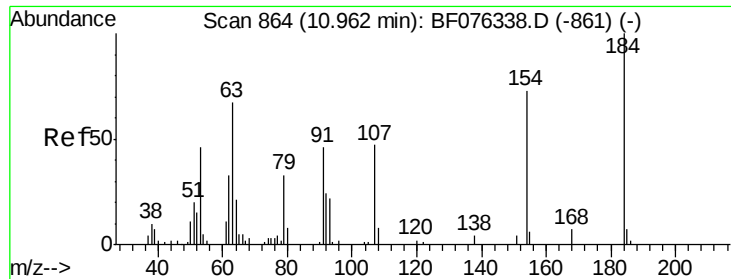


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

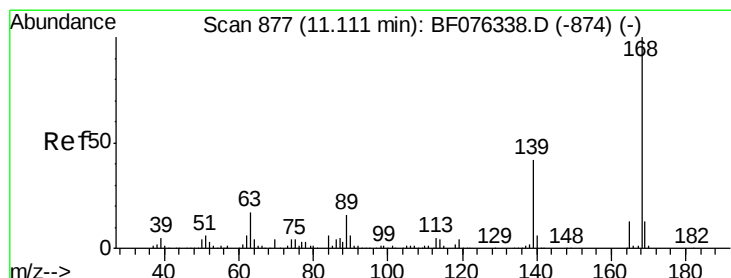
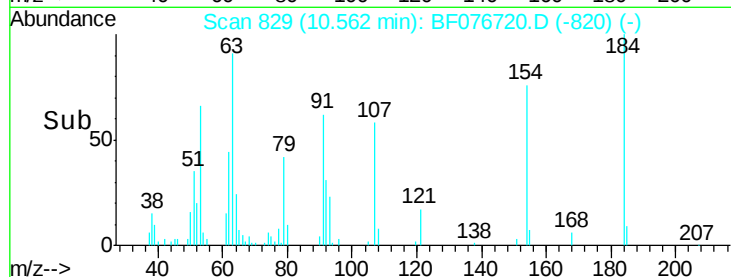
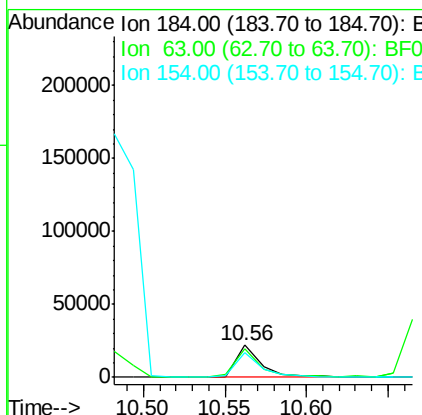
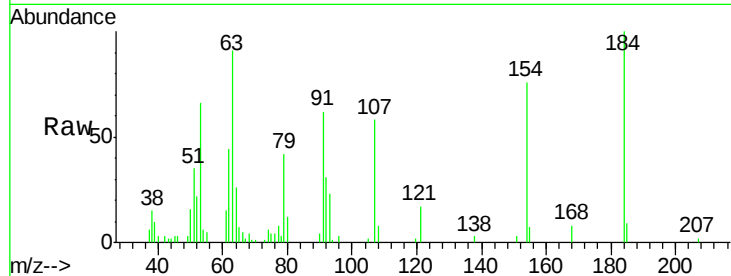




#53
 2,4-Dinitrophenol
 Concen: 43.10 ng
 RT: 10.56 min Scan# 829
 Delta R.T. 0.00 min
 Lab File: BF076720.D
 Acq: 1 Jan 2015 1:02

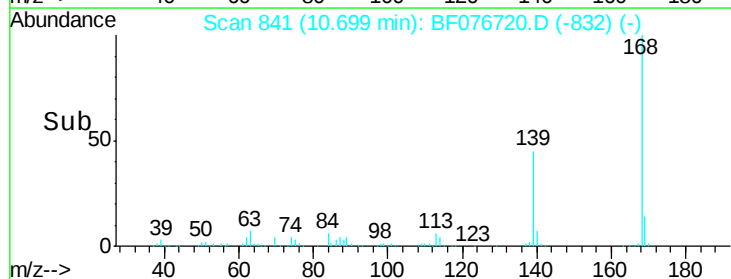
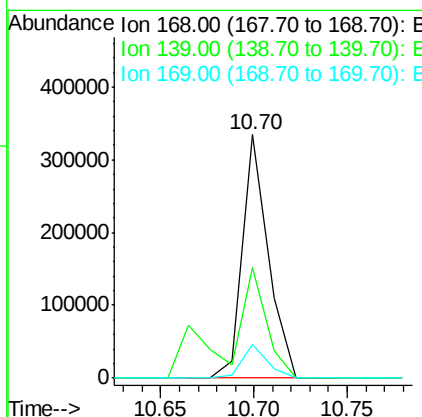
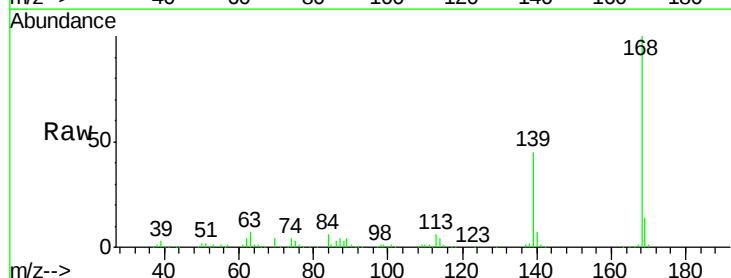
Instrument :
 BNA_F
 ClientSampleId :
 SOILCUTTINGSMS

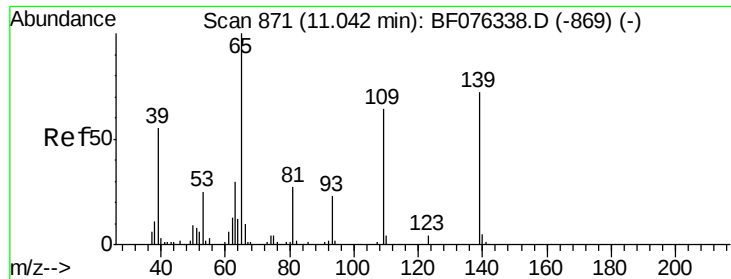
Tot Ion:184 Resp: 24054
 Ion Ratio Lower Upper
 184 100
 63 91.0 53.4 80.0#
 154 76.5 58.5 87.7



#54
 Dibenzofuran
 Concen: 46.29 ng
 RT: 10.70 min Scan# 841
 Delta R.T. 0.00 min
 Lab File: BF076720.D
 Acq: 1 Jan 2015 1:02

Tgt Ion:168 Resp: 322122
 Ion Ratio Lower Upper
 168 100
 139 45.3 34.2 51.4
 169 14.0 10.6 16.0

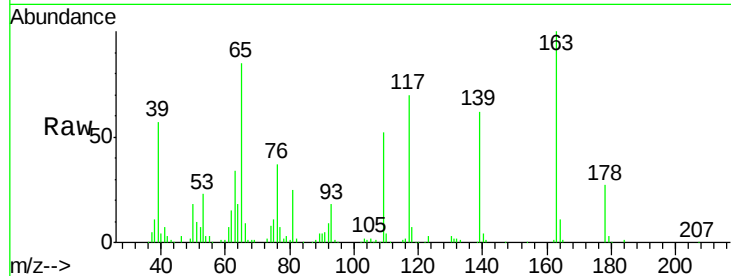




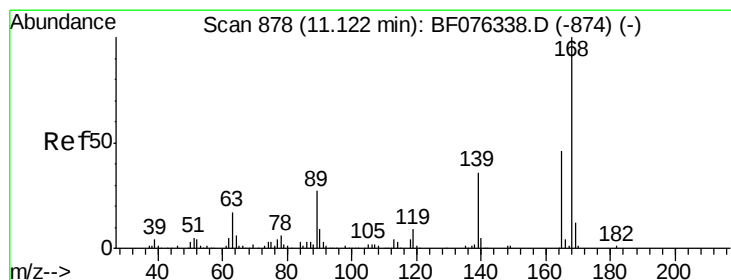
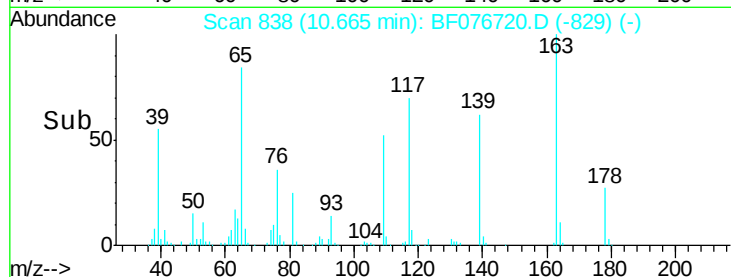
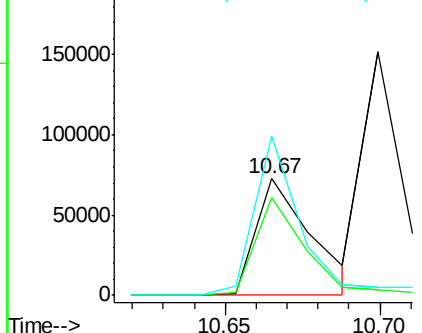
#55
4-Nitrophenol
Concen: 84.72 ng/ml
RT: 10.67 min Scan# 838
Delta R.T. 0.00 min
Lab File: BF076720.D
Acq: 1 Jan 2015 1:02

Instrument :
BNA_F
ClientSampleId :
SOILCUTTINGSMS

Tot Ion:139 Resp: 90696
Ion Ratio Lower Upper
139 100
109 83.5 69.1 109.1
65 136.7 119.8 159.8



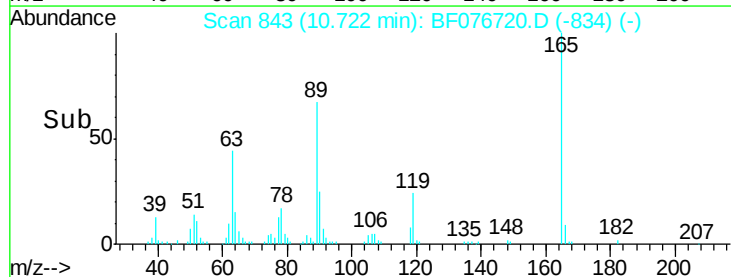
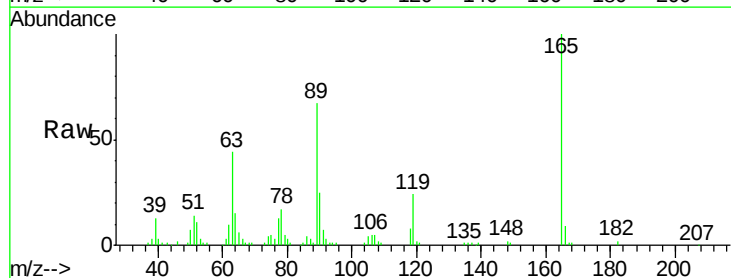
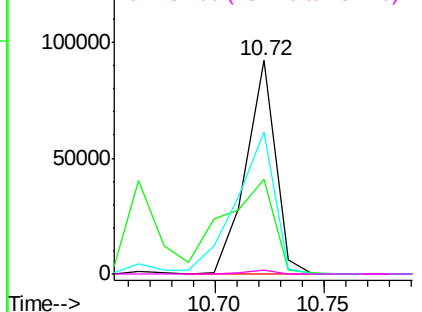
Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

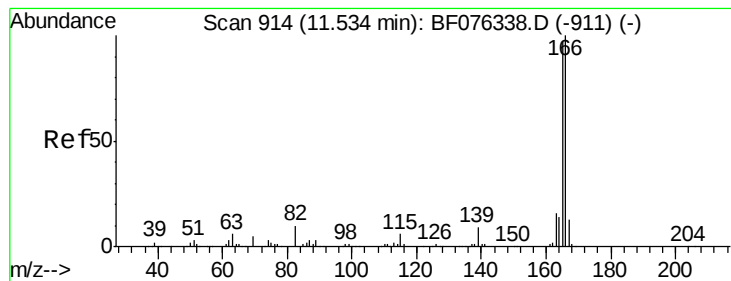


#56
2,4-Dinitrotoluene
Concen: 53.04 ng
RT: 10.72 min Scan# 843
Delta R.T. 0.00 min
Lab File: BF076720.D
Acq: 1 Jan 2015 1:02

Tgt Ion:165 Resp: 86923
Ion Ratio Lower Upper
165 100
63 44.4 30.2 45.2
89 66.7 46.8 70.2
182 2.1 1.8 2.6

Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0
Ion 182.00 (181.70 to 182.70): E





#57

Fluorene

Concen: 50.57 ng

RT: 11.12 min Scan# 878

Delta R.T. 0.00 min

Lab File: BF076720.D

Acq: 1 Jan 2015 1:02

Instrument :

BNA_F

ClientSampleId :

SOILCUTTINGSMS

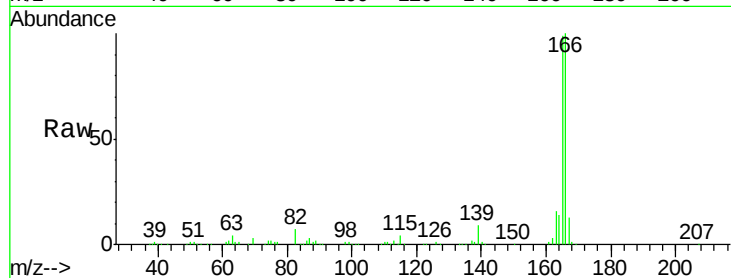
Tot Ion:166 Resp: 295600

Ion Ratio Lower Upper

166 100

165 98.7 77.9 116.9

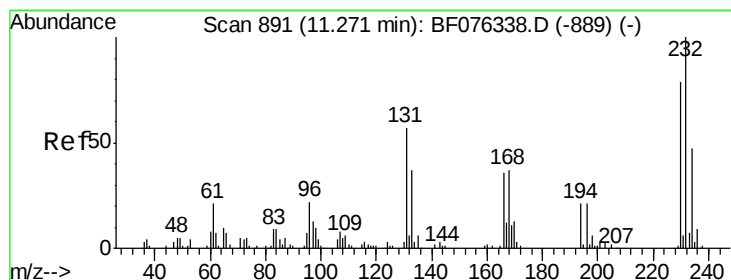
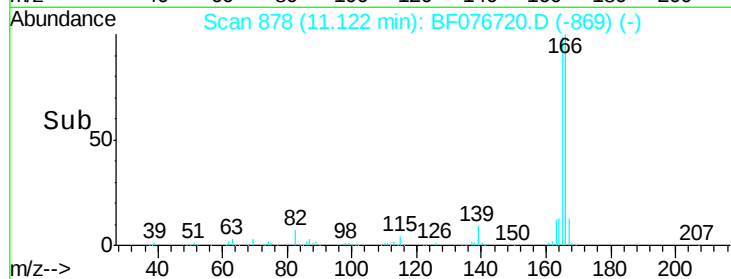
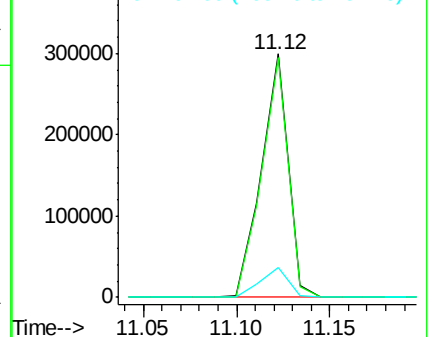
167 12.5 10.6 15.8



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 47.46 ng

RT: 10.86 min Scan# 855

Delta R.T. 0.00 min

Lab File: BF076720.D

Acq: 1 Jan 2015 1:02

Tgt Ion:232 Resp: 57494

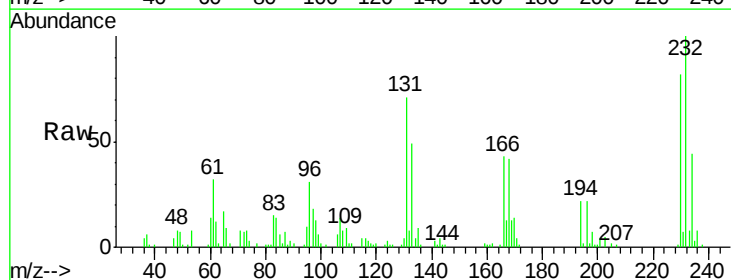
Ion Ratio Lower Upper

232 100

131 59.5 0.0 0.0#

130 3.2 0.0 0.0#

166 39.1 0.0 0.0#

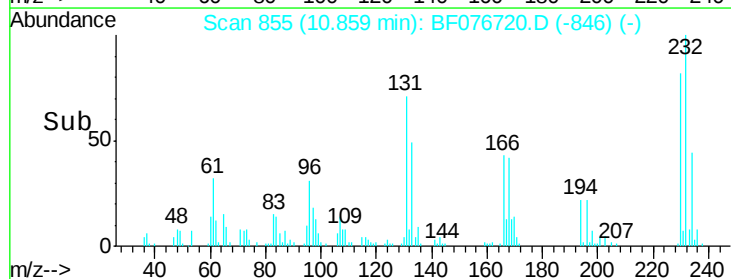
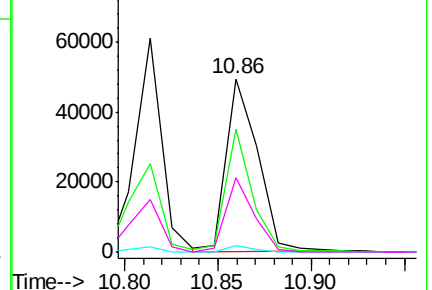


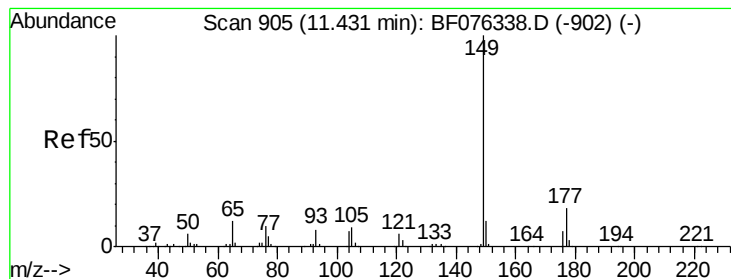
Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E





#59

Diethylphthalate

Concen: 51.40 ng

RT: 11.04 min Scan# 871

Delta R.T. 0.00 min

Lab File: BF076720.D

Acq: 1 Jan 2015 1:02

Instrument :

BNA_F

ClientSampleId :

SOILCUTTINGSMS

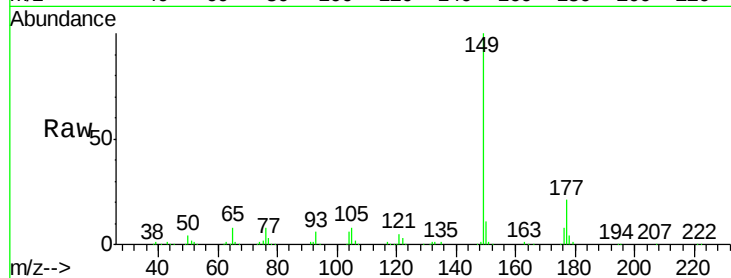
Tot Ion:149 Resp: 315102

Ion Ratio Lower Upper

149 100

177 20.8 14.7 22.1

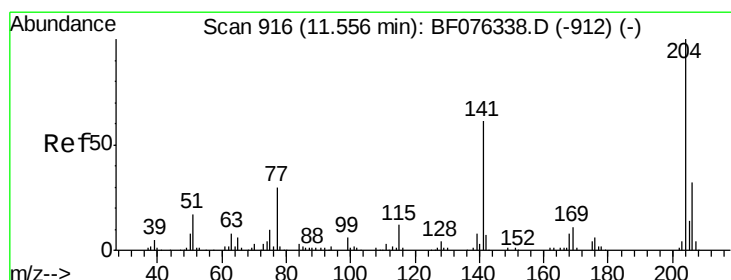
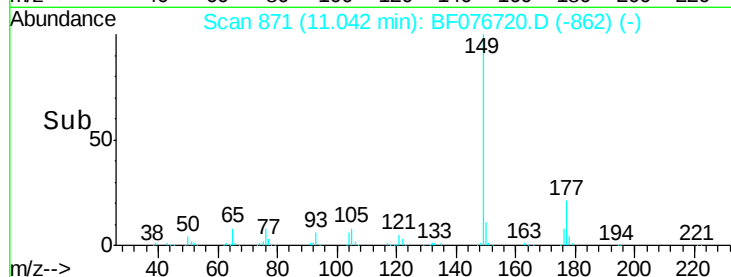
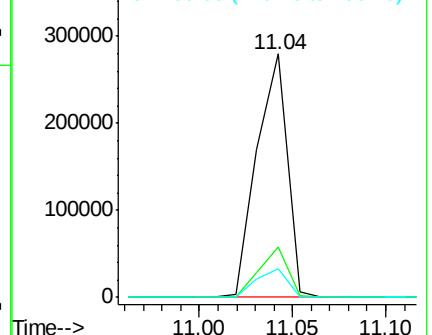
150 11.5 9.8 14.6



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



#60

4-Chlorophenyl-phenylether

Concen: 50.65 ng

RT: 11.15 min Scan# 880

Delta R.T. 0.00 min

Lab File: BF076720.D

Acq: 1 Jan 2015 1:02

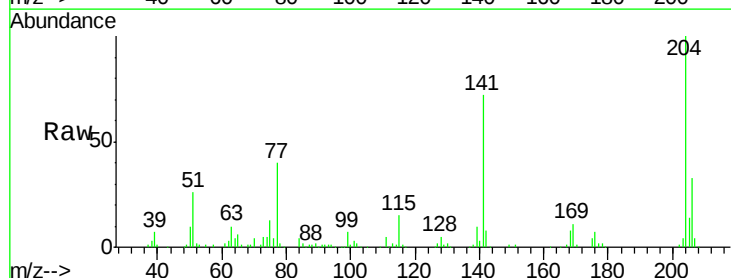
Tgt Ion:204 Resp: 128105

Ion Ratio Lower Upper

204 100

206 32.6 25.6 38.4

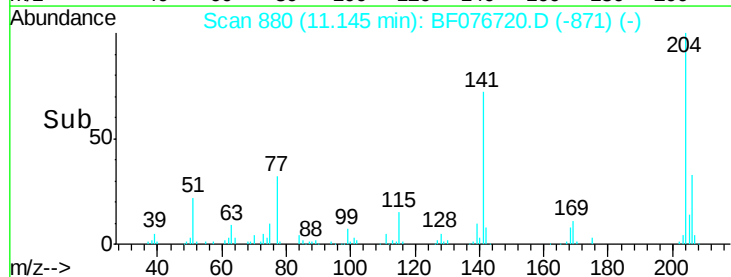
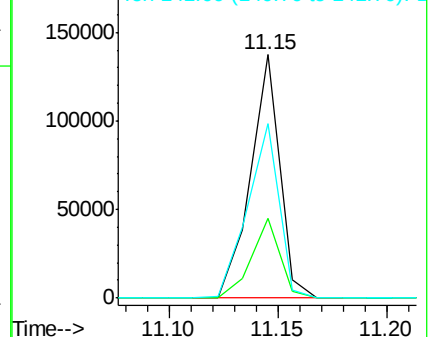
141 71.7 48.5 72.7

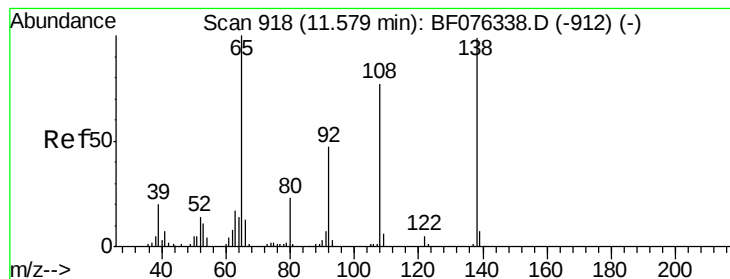


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E





#61

4-Nitroaniline

Concen: 41.54 ng

RT: 11.17 min Scan# 882

Delta R.T. 0.00 min

Lab File: BF076720.D

Acq: 1 Jan 2015 1:02

Instrument :

BNA_F

ClientSampleId :

SOILCUTTINGSMS

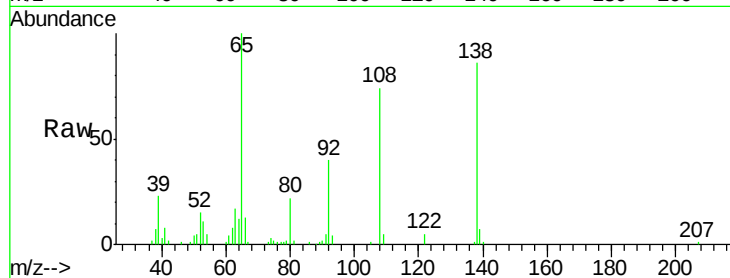
Tot Ion:138 Resp: 60964

Ion Ratio Lower Upper

138 100

92 47.0 27.7 67.7

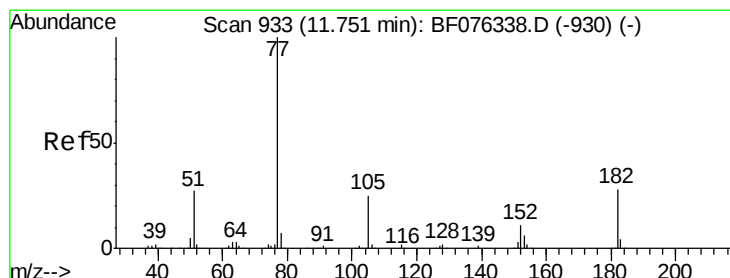
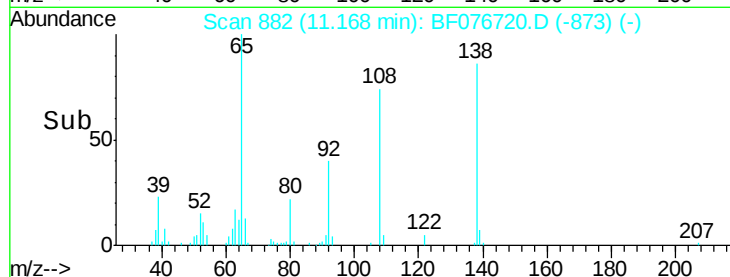
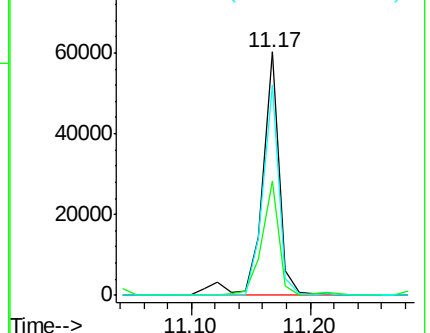
108 86.4 57.5 97.5



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF0

Ion 108.00 (107.70 to 108.70): E



#62

Azobenzene

Concen: 49.23 ng

RT: 11.34 min Scan# 897

Delta R.T. 0.00 min

Lab File: BF076720.D

Acq: 1 Jan 2015 1:02

Tgt Ion: 77 Resp: 297400

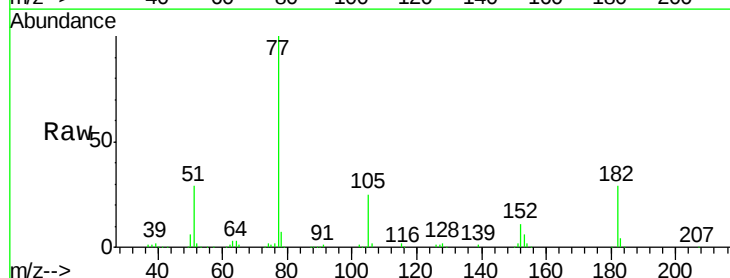
Ion Ratio Lower Upper

77 100

182 29.4 8.3 48.3

105 24.7 4.6 44.6

51 29.4 7.6 47.6

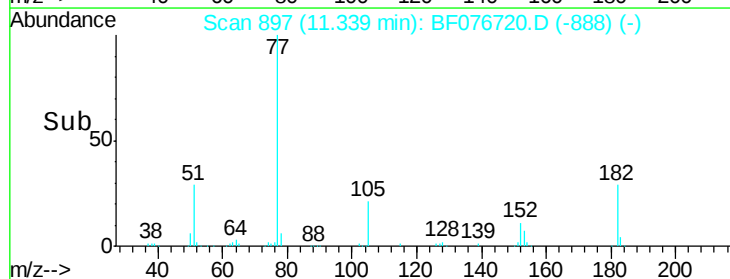
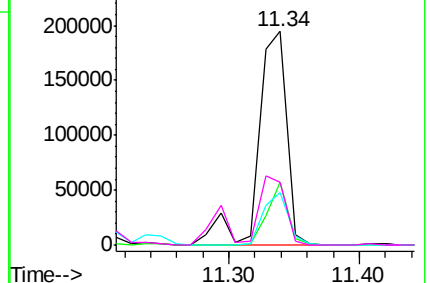


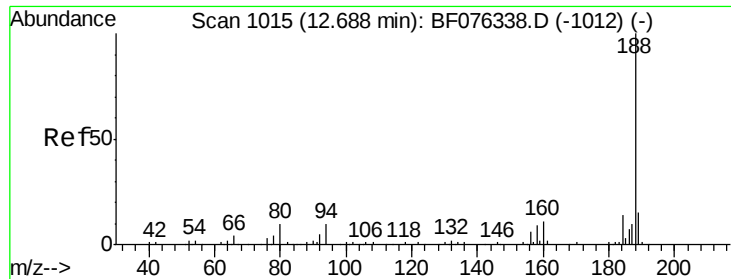
Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0

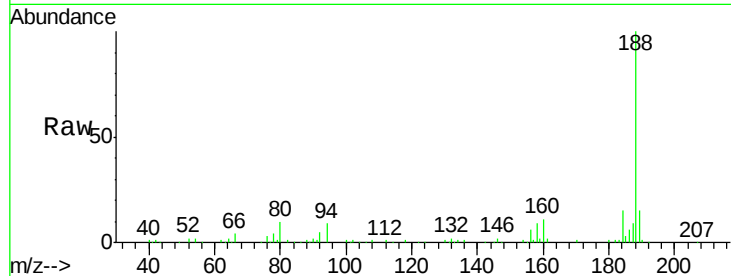




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.25 min Scan# 977
Delta R.T. 0.00 min
Lab File: BF076720.D
Acq: 1 Jan 2015 1:02

Instrument :
BNA_F
ClientSampleId :
SOILCUTTINGSMS

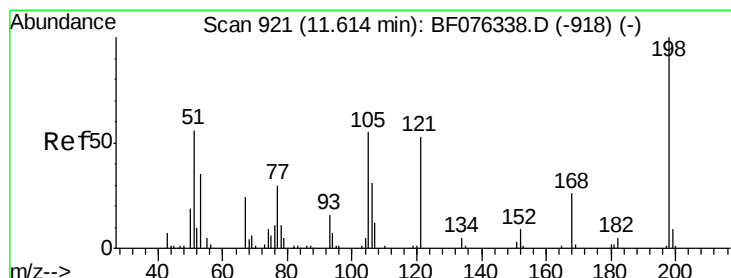
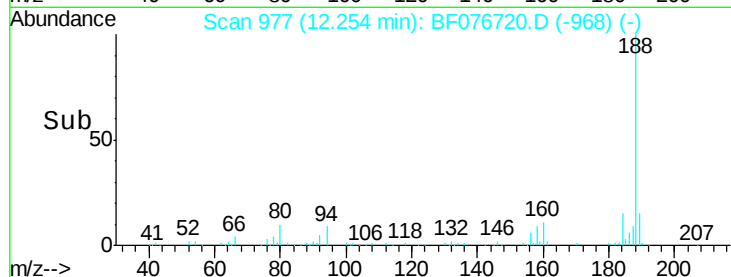
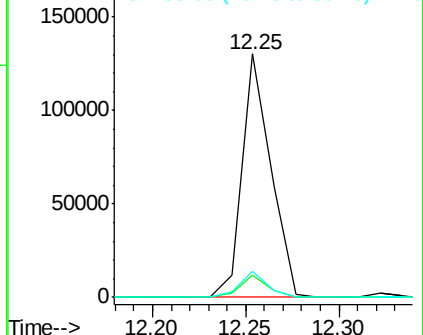
Tot Ion	Ratio	Lower	Upper
188	100		
94	9.1	7.9	11.9
80	10.4	8.2	12.2



Abundance Ion 188.00 (187.70 to 188.70): E

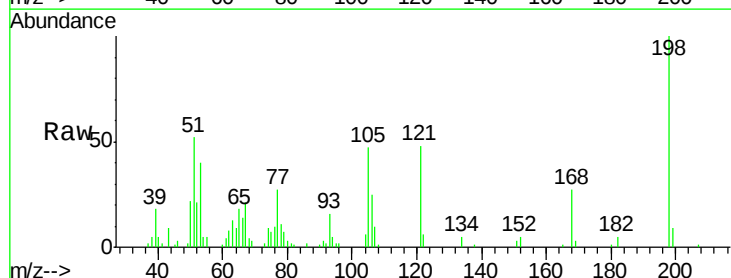
Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#64
4,6-Dinitro-2-methylphenol
Concen: 28.12 ng
RT: 11.21 min Scan# 886
Delta R.T. 0.00 min
Lab File: BF076720.D
Acq: 1 Jan 2015 1:02

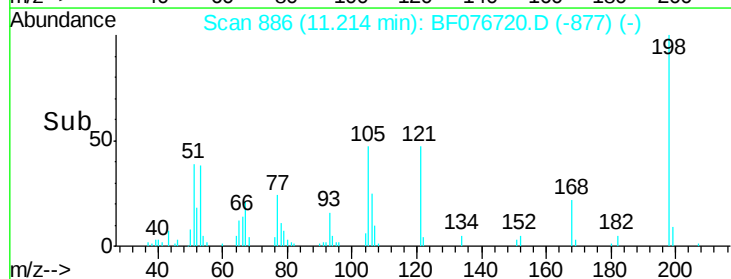
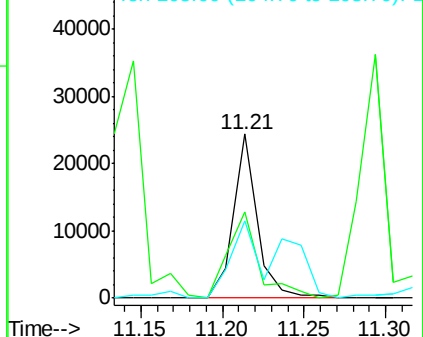
Tgt Ion	Ratio	Lower	Upper
198	100		
51	52.4	45.3	85.3
105	46.9	36.3	76.3

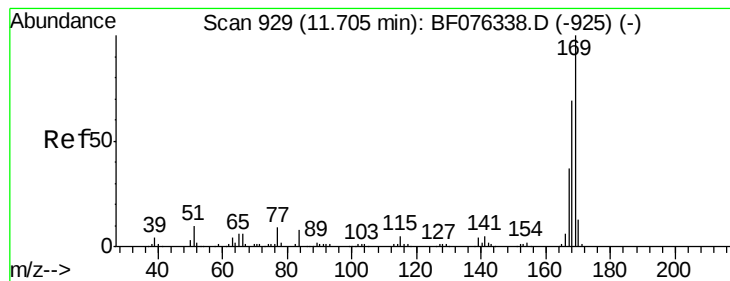


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E

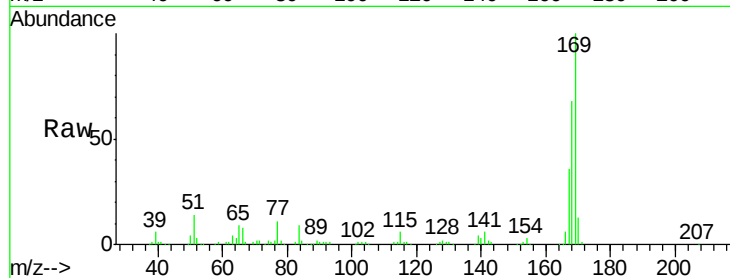




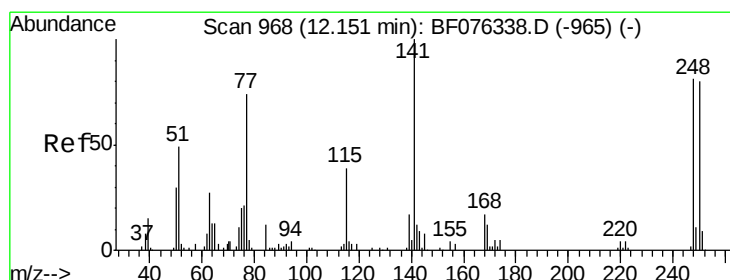
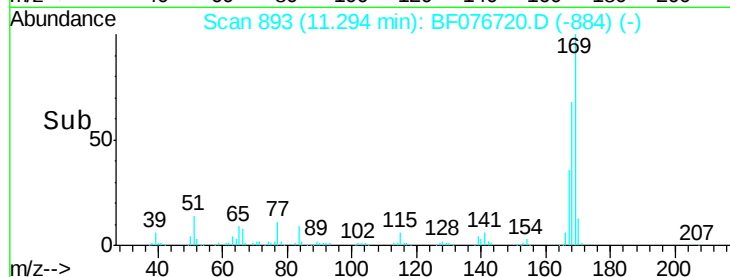
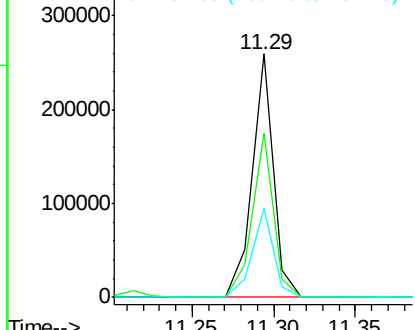
#65
n-Nitrosodiphenylamine
Concen: 47.69 ng
RT: 11.29 min Scan# 893
Delta R.T. 0.00 min
Lab File: BF076720.D
Acq: 1 Jan 2015 1:02

Instrument :
BNA_F
ClientSampleId :
SOILCUTTINGSMS

Tot Ion:169 Resp: 233302
Ion Ratio Lower Upper
169 100
168 67.7 55.2 82.8
167 36.4 29.5 44.3

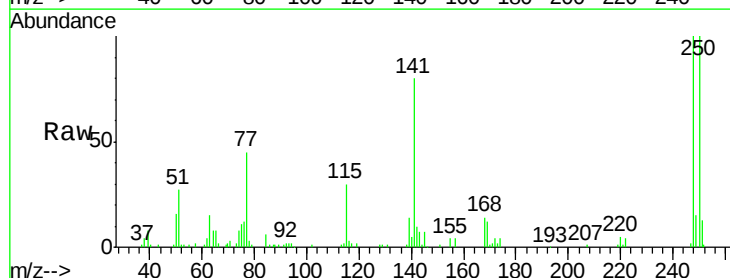


Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E

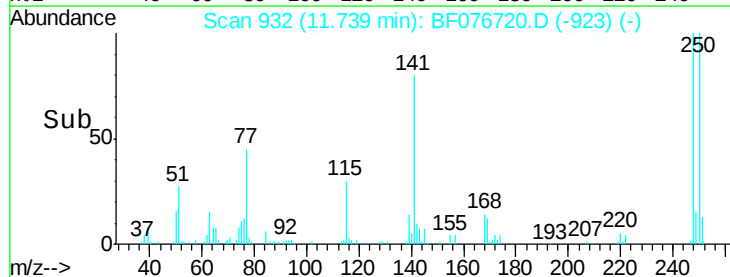
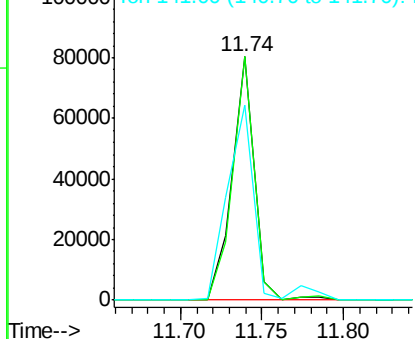


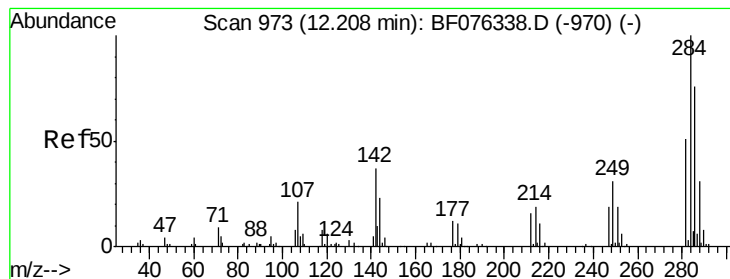
#66
4-Bromophenyl-phenylether
Concen: 55.44 ng
RT: 11.74 min Scan# 932
Delta R.T. 0.00 min
Lab File: BF076720.D
Acq: 1 Jan 2015 1:02

Tgt Ion:248 Resp: 75198
Ion Ratio Lower Upper
248 100
250 100.1 78.4 117.6
141 80.1 98.5 147.7#



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





#67

Hexachlorobenzene

Concen: 51.02 ng

RT: 11.79 min Scan# 936

Delta R.T. 0.00 min

Lab File: BF076720.D

Acq: 1 Jan 2015 1:02

Instrument :

BNA_F

ClientSampleId :

SOILCUTTINGSMS

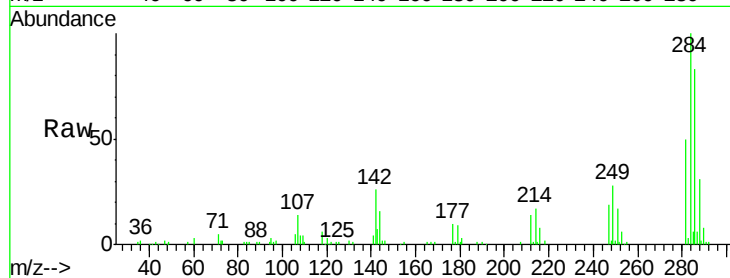
Tot Ion:284 Resp: 80767

Ion Ratio Lower Upper

284 100

142 26.4 30.0 45.0#

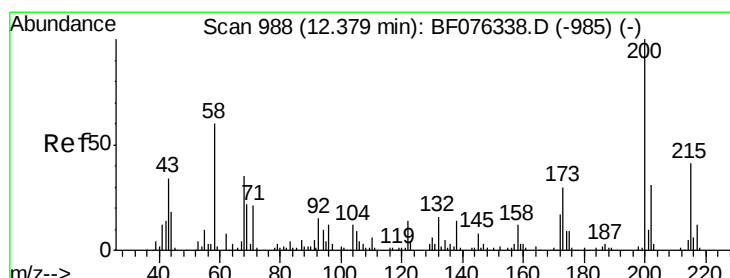
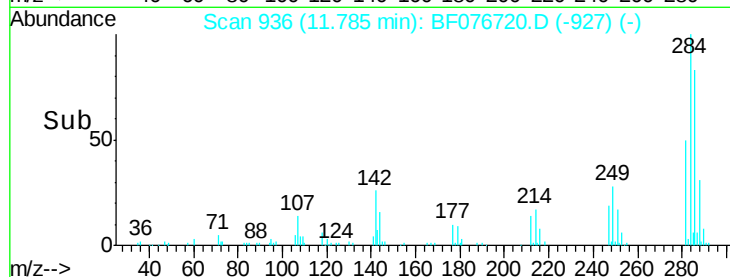
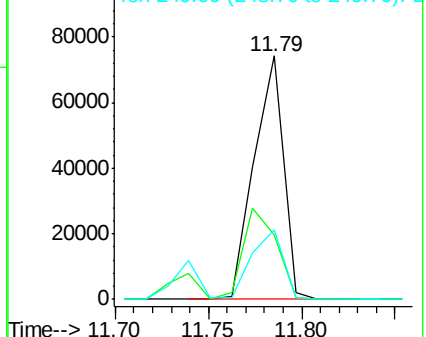
249 28.4 24.7 37.1



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#68

Atrazine

Concen: 54.79 ng

RT: 11.98 min Scan# 953

Delta R.T. 0.00 min

Lab File: BF076720.D

Acq: 1 Jan 2015 1:02

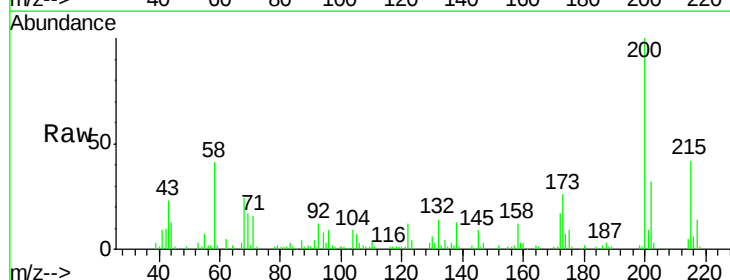
Tgt Ion:200 Resp: 80084

Ion Ratio Lower Upper

200 100

173 26.1 10.0 50.0

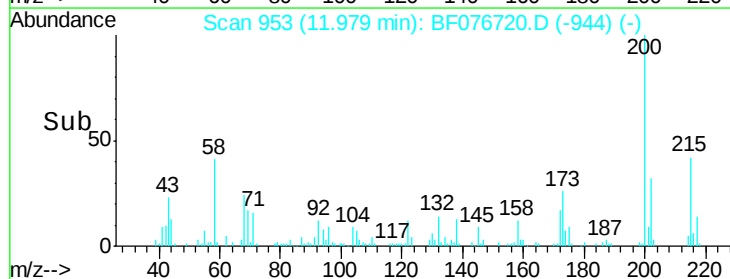
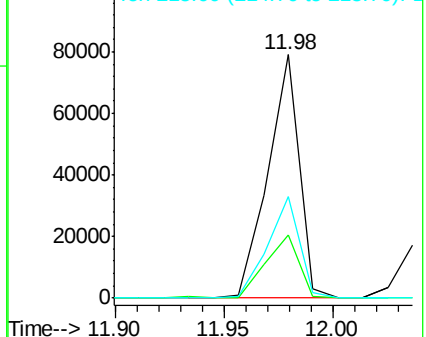
215 41.6 21.4 61.4

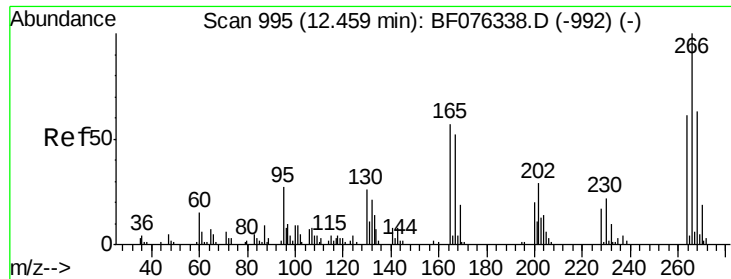


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E

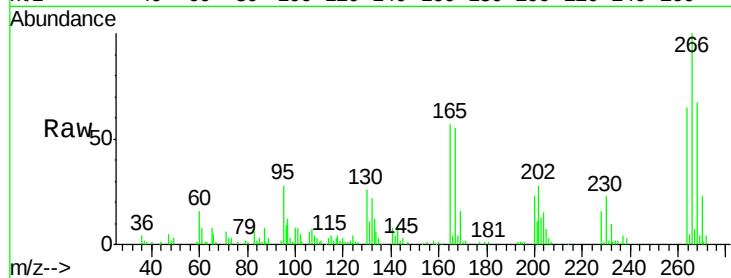




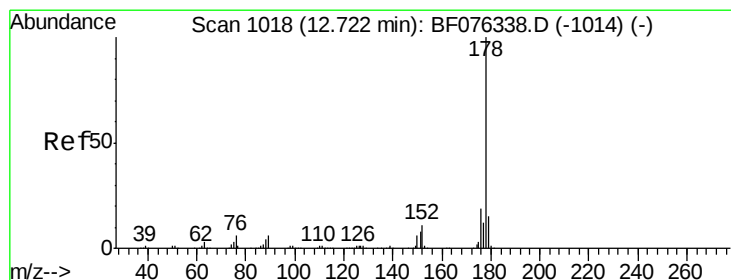
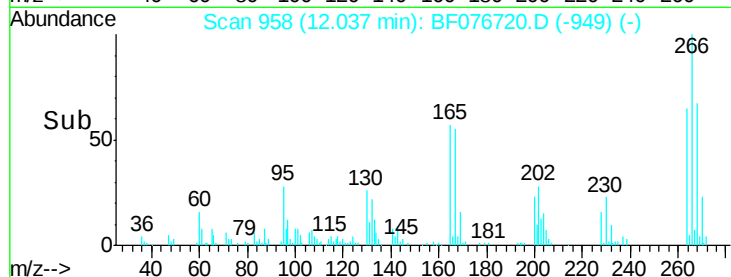
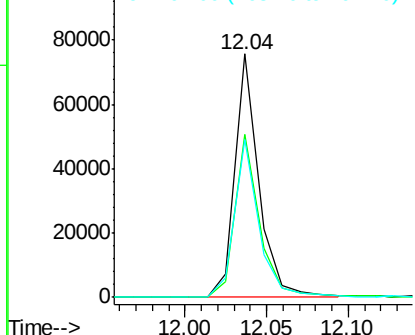
#69
 Pentachlorophenol
 Concen: 98.71 ng
 RT: 12.04 min Scan# 958
 Delta R.T. 0.00 min
 Lab File: BF076720.D
 Acq: 1 Jan 2015 1:02

Instrument :
 BNA_F
 ClientSampleId :
 SOILCUTTINGSMS

Tot Ion:266 Resp: 76496
 Ion Ratio Lower Upper
 266 100
 268 66.8 50.7 76.1
 264 65.1 48.7 73.1

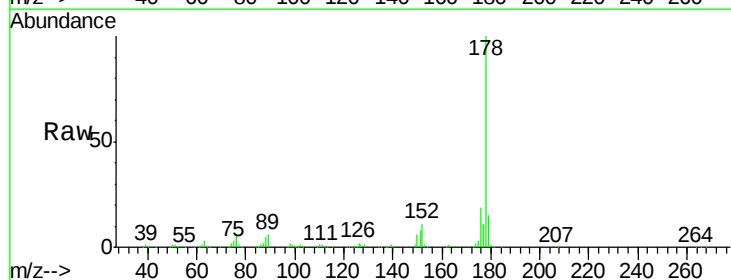


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

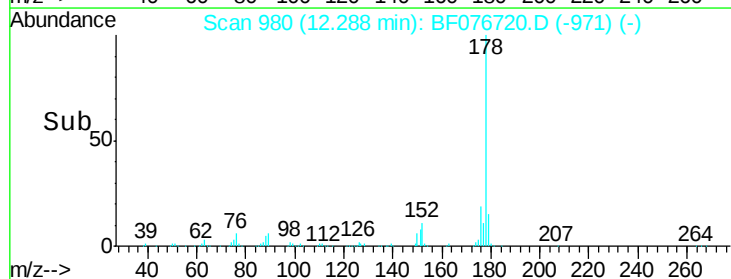
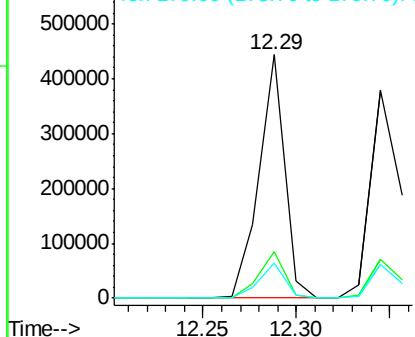


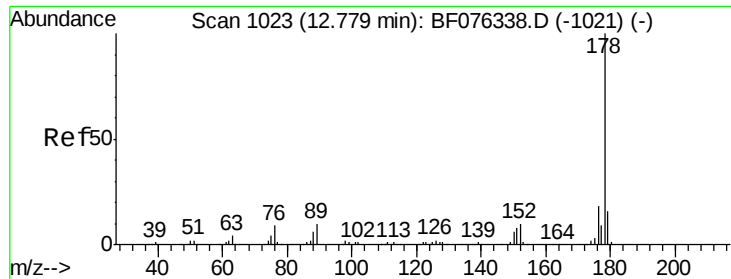
#70
 Phenanthrene
 Concen: 50.05 ng
 RT: 12.29 min Scan# 980
 Delta R.T. 0.00 min
 Lab File: BF076720.D
 Acq: 1 Jan 2015 1:02

Tgt Ion:178 Resp: 420511
 Ion Ratio Lower Upper
 178 100
 176 18.9 15.3 22.9
 179 14.6 12.2 18.4



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

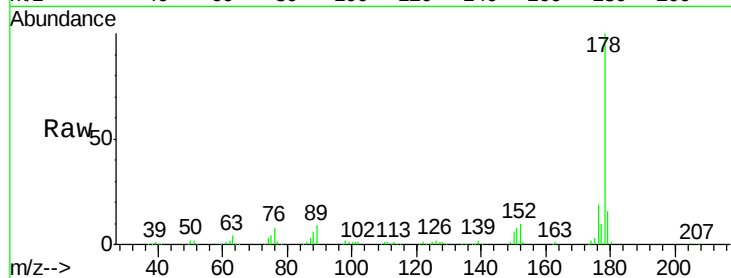




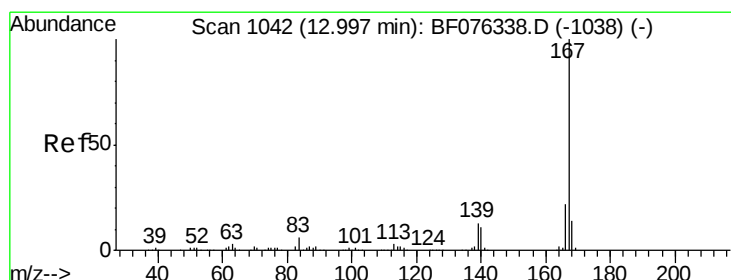
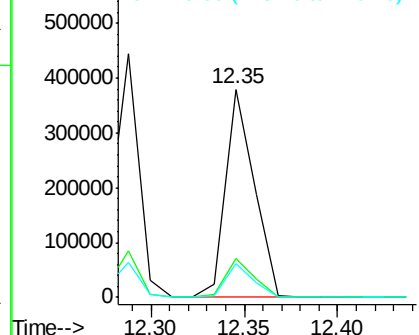
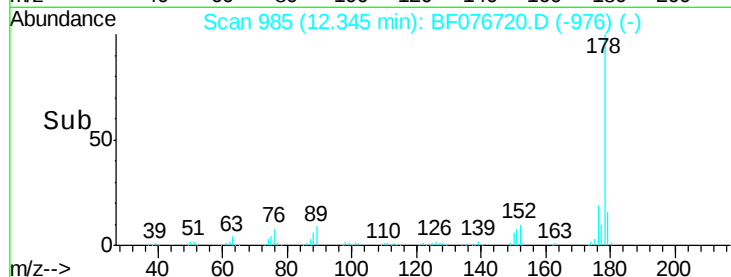
#71
 Anthracene
 Concen: 49.39 ng
 RT: 12.35 min Scan# 985
 Delta R.T. 0.00 min
 Lab File: BF076720.D
 Acq: 1 Jan 2015 1:02

Instrument :
 BNA_F
 ClientSampleId :
 SOILCUTTINGSMS

Tot Ion:178 Resp: 407133
 Ion Ratio Lower Upper
 178 100
 176 18.9 14.3 21.5
 179 16.1 12.7 19.1

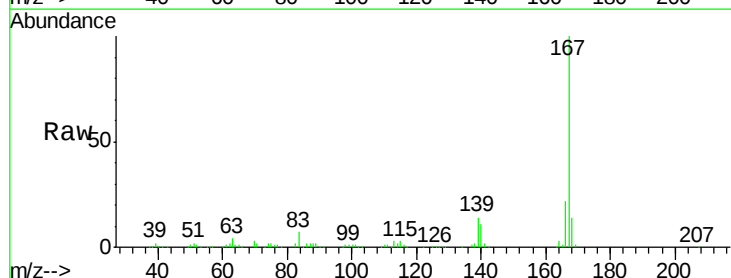


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

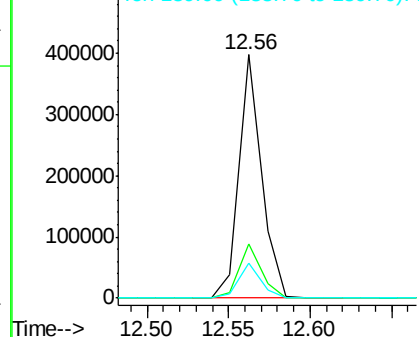
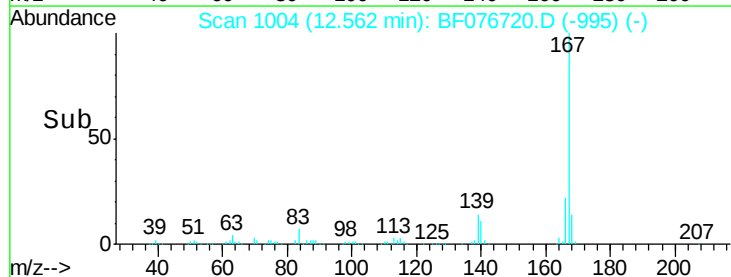


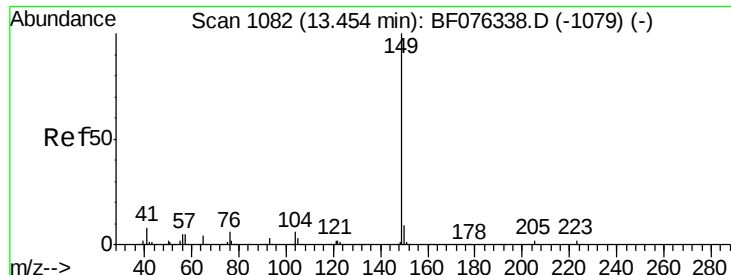
#72
 Carbazole
 Concen: 47.21 ng
 RT: 12.56 min Scan# 1004
 Delta R.T. 0.00 min
 Lab File: BF076720.D
 Acq: 1 Jan 2015 1:02

Tgt Ion:167 Resp: 377448
 Ion Ratio Lower Upper
 167 100
 166 22.2 17.4 26.2
 139 14.1 10.6 16.0



Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 53.49 ng

RT: 13.04 min Scan# 1046

Delta R.T. 0.00 min

Lab File: BF076720.D

Acq: 1 Jan 2015 1:02

Instrument :

BNA_F

ClientSampleId :

SOILCUTTINGSMS

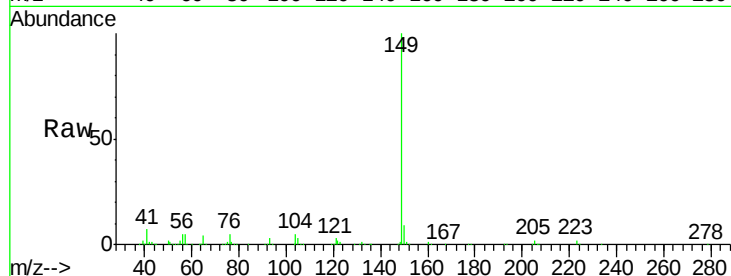
Tot Ion:149 Resp: 525247

Ion Ratio Lower Upper

149 100

150 9.2 7.1 10.7

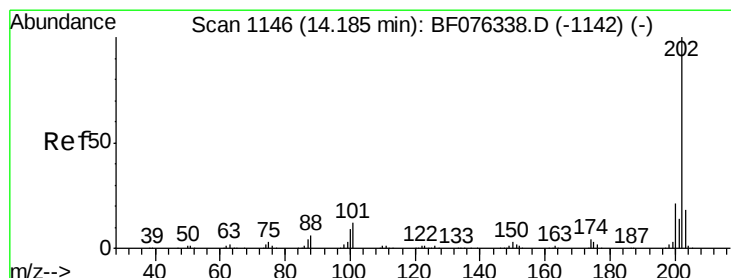
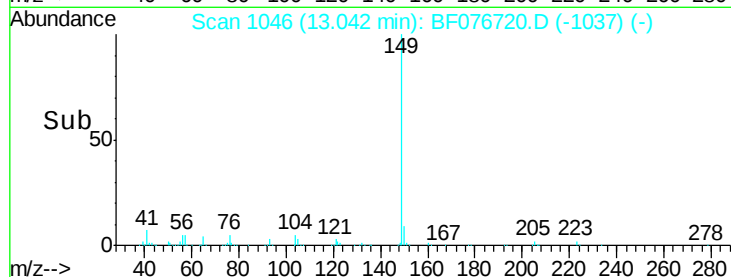
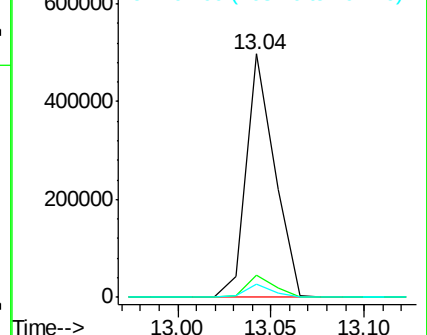
104 5.3 4.5 6.7



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 51.13 ng

RT: 13.74 min Scan# 1107

Delta R.T. 0.00 min

Lab File: BF076720.D

Acq: 1 Jan 2015 1:02

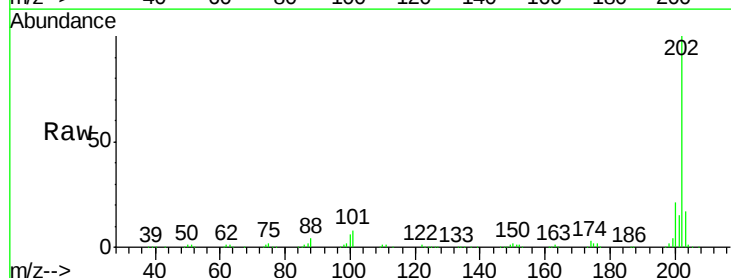
Tgt Ion:202 Resp: 438627

Ion Ratio Lower Upper

202 100

101 7.9 0.0 32.3

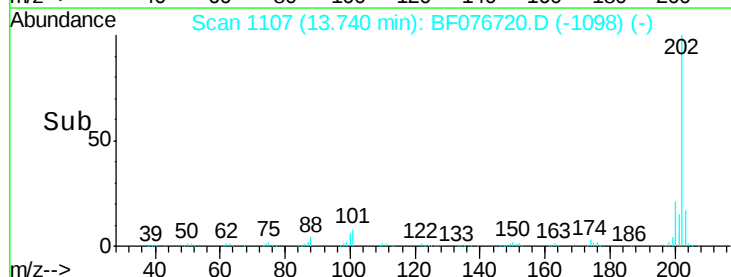
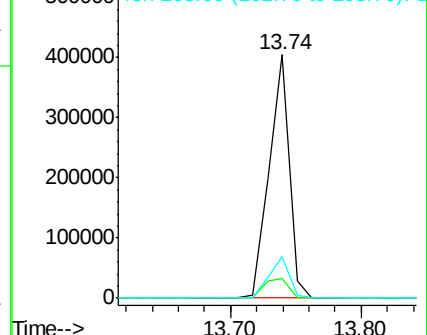
203 17.0 0.0 37.5

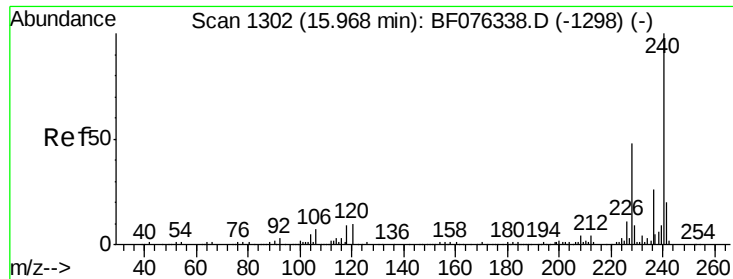


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

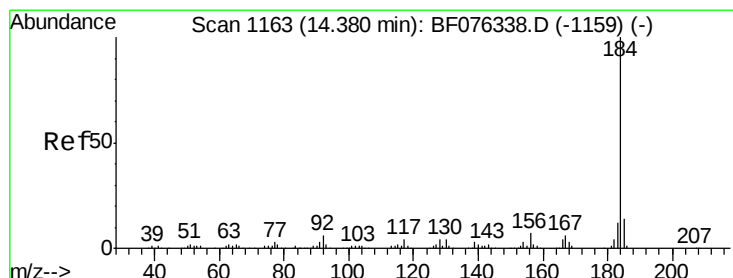
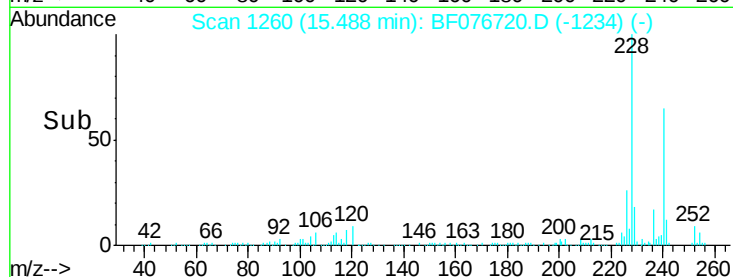
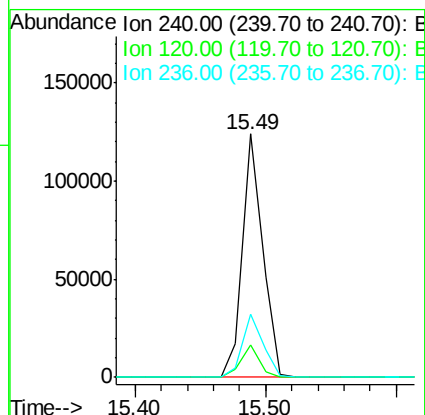
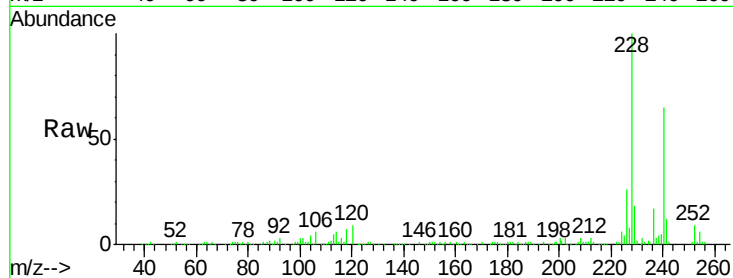




#75
Chrysene-d12
Concen: 20.00 ng
RT: 15.49 min Scan# 1260
Delta R.T. 0.00 min
Lab File: BF076720.D
Acq: 1 Jan 2015 1:02

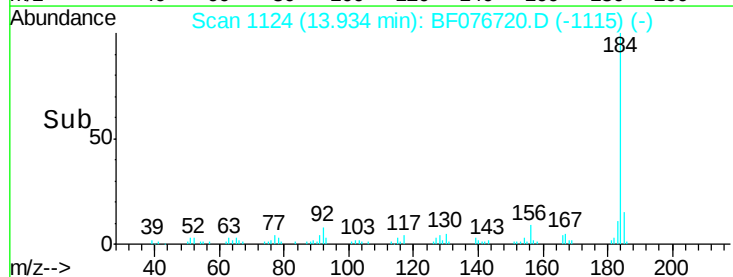
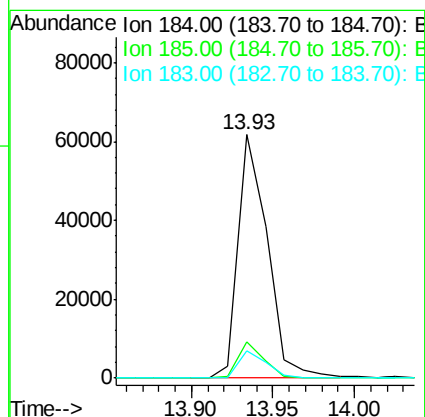
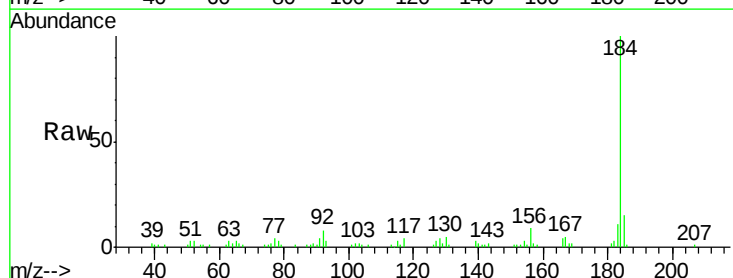
Instrument :
BNA_F
ClientSampleId :
SOILCUTTINGSMS

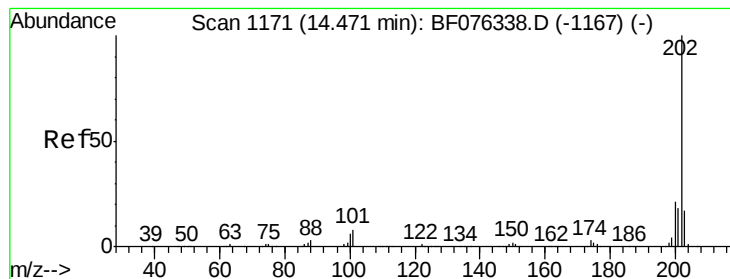
Tot Ion:240 Resp: 133875
Ion Ratio Lower Upper
240 100
120 13.2 8.0 12.0#
236 26.0 20.6 30.8



#76
Benzidine
Concen: 13.68 ng
RT: 13.93 min Scan# 1124
Delta R.T. 0.00 min
Lab File: BF076720.D
Acq: 1 Jan 2015 1:02

Tgt Ion:184 Resp: 76338
Ion Ratio Lower Upper
184 100
185 14.8 11.4 17.0
183 11.4 9.3 13.9





#77

Pvrene

Concen: 46.99 ng

RT: 14.00 min Scan# 1130

Delta R.T. 0.00 min

Lab File: BF076720.D

Acq: 1 Jan 2015 1:02

Instrument :

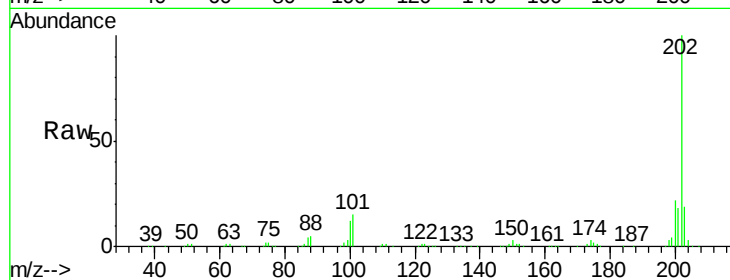
BNA_F

ClientSampleId :

SOILCUTTINGSMS

Tot Ion:202 Resp: 440066

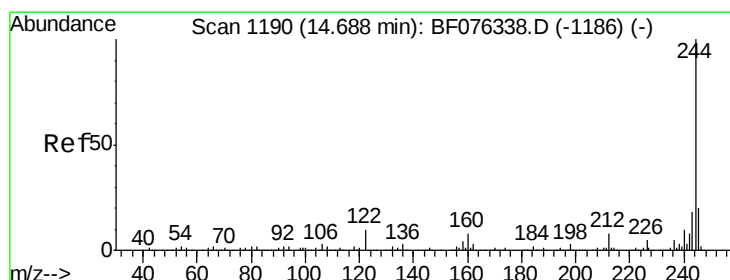
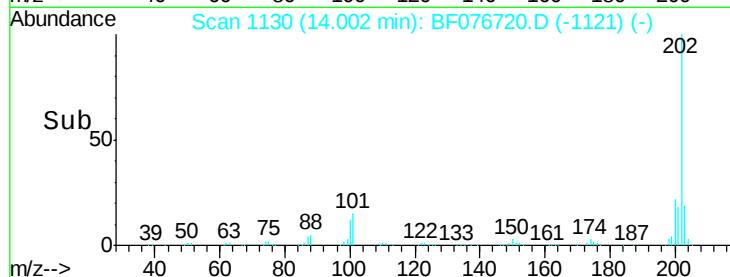
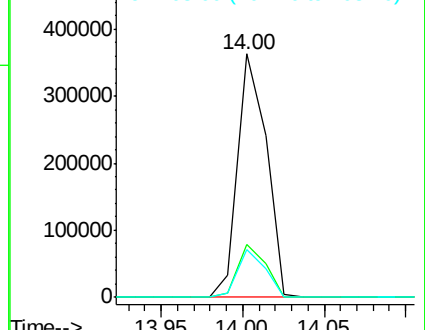
Ion	Ratio	Lower	Upper
202	100		
200	21.8	16.8	25.2
203	19.4	13.5	20.3



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 86.74 ng

RT: 14.24 min Scan# 1151

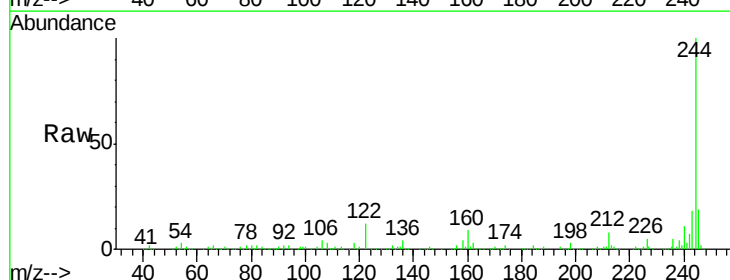
Delta R.T. 0.00 min

Lab File: BF076720.D

Acq: 1 Jan 2015 1:02

Tgt Ion:244 Resp: 526461

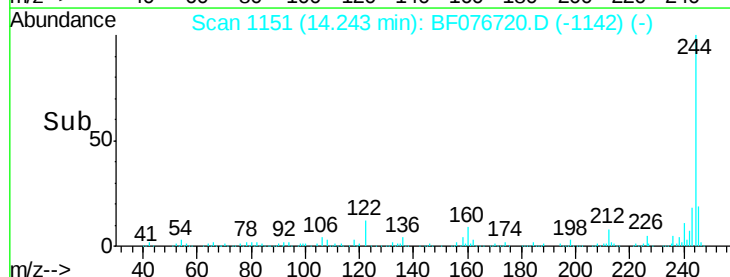
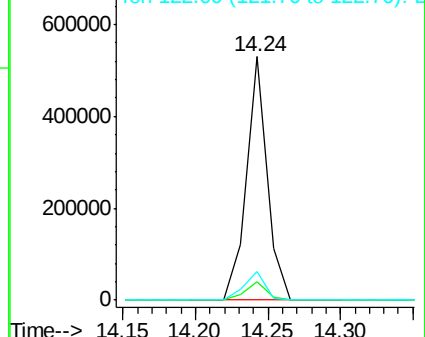
Ion	Ratio	Lower	Upper
244	100		
212	7.6	6.2	9.2
122	11.5	8.2	12.2

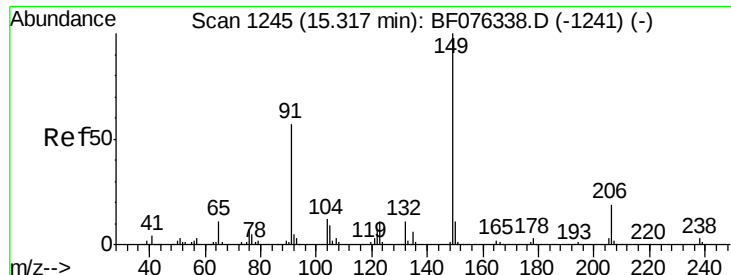


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

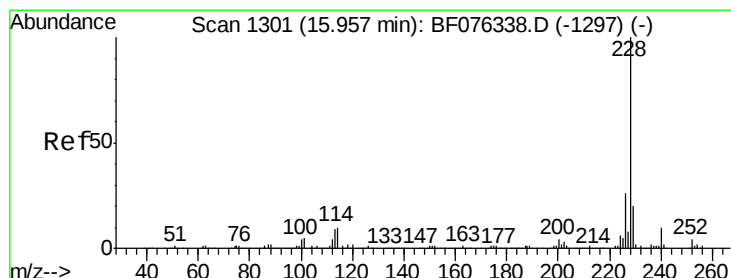
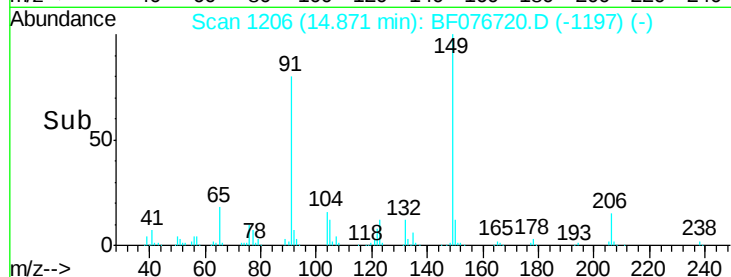
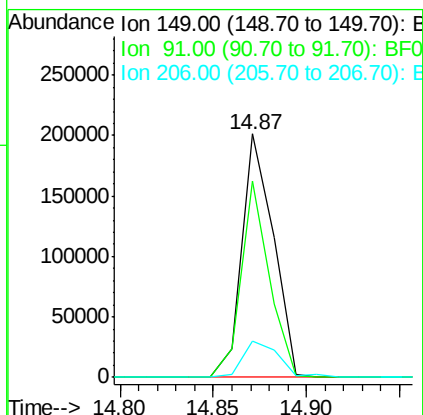
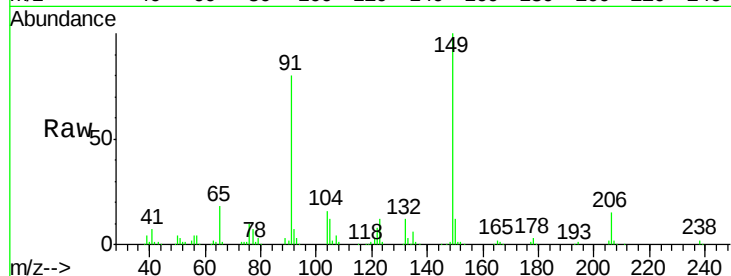




#79
Butylbenzylphthalate
Concen: 52.63 ng
RT: 14.87 min Scan# 1206
Delta R.T. 0.00 min
Lab File: BF076720.D
Acq: 1 Jan 2015 1:02

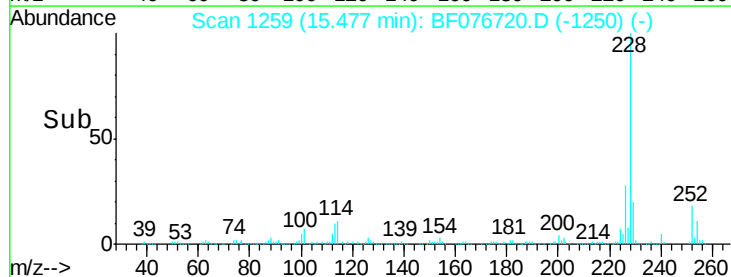
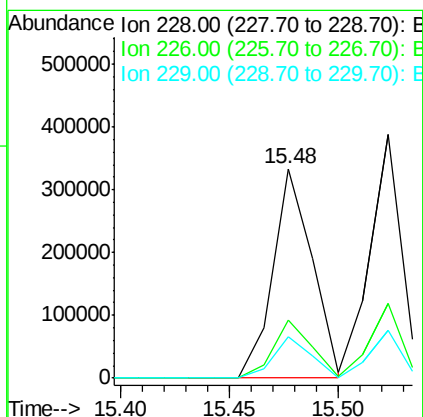
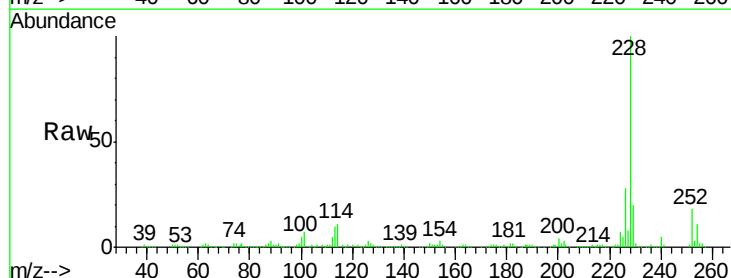
Instrument :
BNA_F
ClientSampleId :
SOILCUTTINGSMS

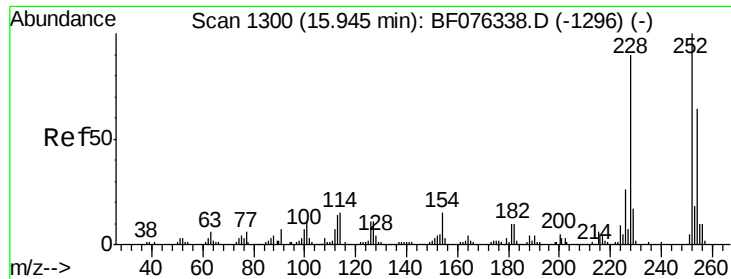
Tot Ion:149 Resp: 235638
Ion Ratio Lower Upper
149 100
91 80.5 45.9 68.9#
206 15.0 15.1 22.7#



#80
Benzo(a)anthracene
Concen: 50.44 ng
RT: 15.48 min Scan# 1259
Delta R.T. 0.00 min
Lab File: BF076720.D
Acq: 1 Jan 2015 1:02

Tgt Ion:228 Resp: 420520
Ion Ratio Lower Upper
228 100
226 27.7 20.9 31.3
229 19.8 15.8 23.8

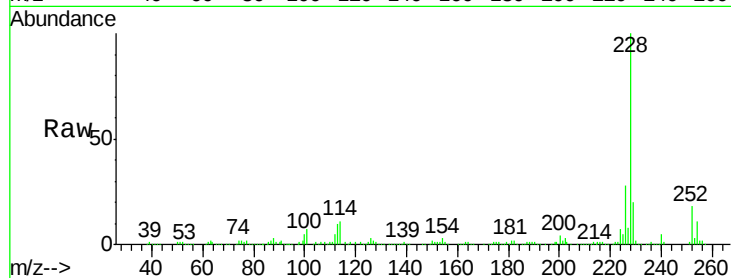




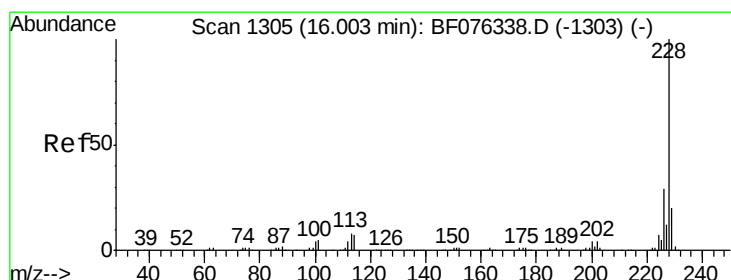
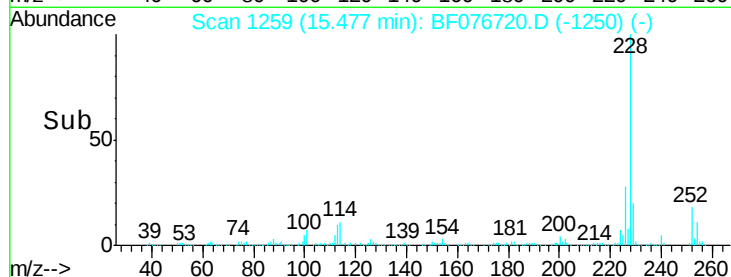
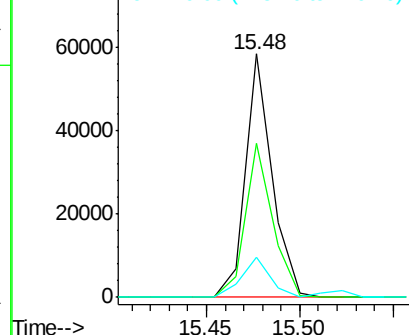
#81
 3,3'-Dichlorobenzidine
 Concen: 20.71 ng
 RT: 15.48 min Scan# 1259
 Delta R.T. 0.00 min
 Lab File: BF076720.D
 Acq: 1 Jan 2015 1:02

Instrument :
 BNA_F
 ClientSampleId :
 SOILCUTTINGSMS

Tot Ion:252 Resp: 57701
 Ion Ratio Lower Upper
 252 100
 254 63.3 50.9 76.3
 126 16.3 8.4 12.6#

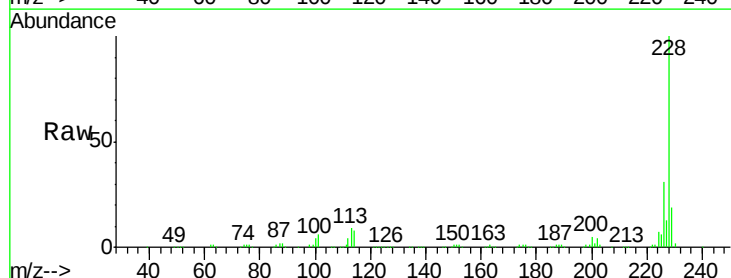


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

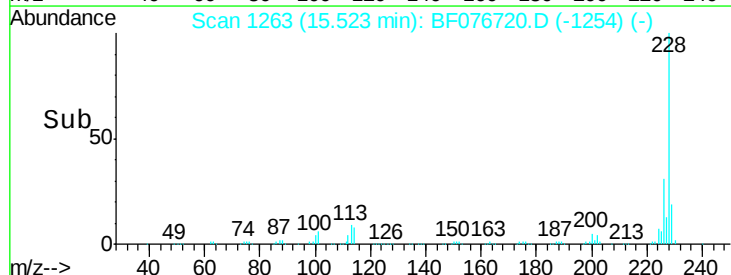
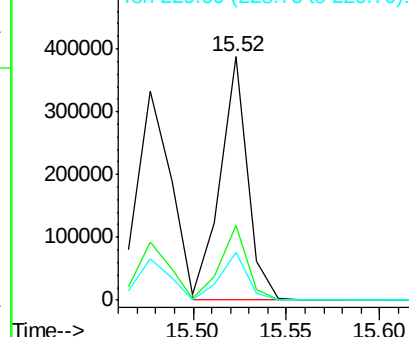


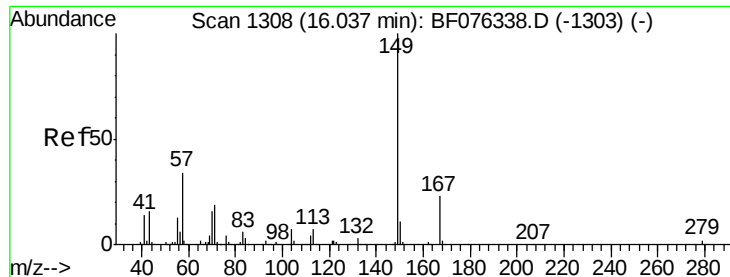
#82
 Chrysene
 Concen: 51.68 ng
 RT: 15.52 min Scan# 1263
 Delta R.T. 0.00 min
 Lab File: BF076720.D
 Acq: 1 Jan 2015 1:02

Tgt Ion:228 Resp: 394219
 Ion Ratio Lower Upper
 228 100
 226 30.9 23.4 35.0
 229 19.5 15.9 23.9



Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 52.21 ng

RT: 15.60 min Scan# 1270

Delta R.T. 0.00 min

Lab File: BF076720.D

Acq: 1 Jan 2015 1:02

Instrument :

BNA_F

ClientSampleId :

SOILCUTTINGSMS

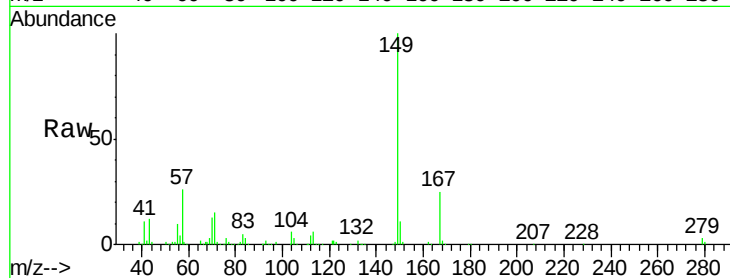
Tot Ion:149 Resp: 353661

Ion Ratio Lower Upper

149 100

167 25.1 18.7 28.1

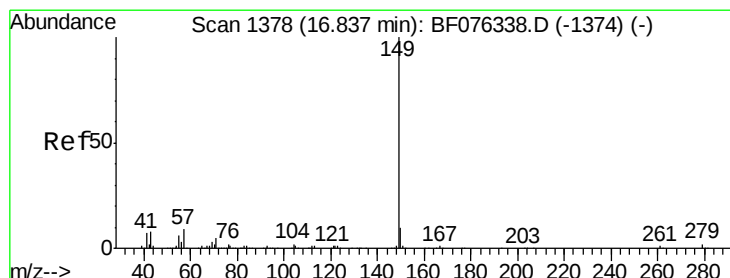
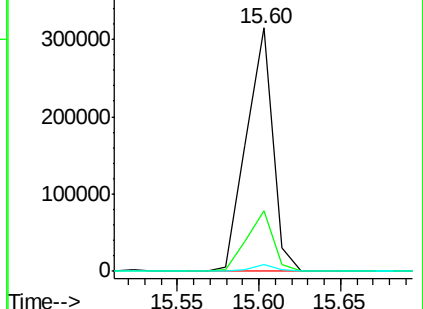
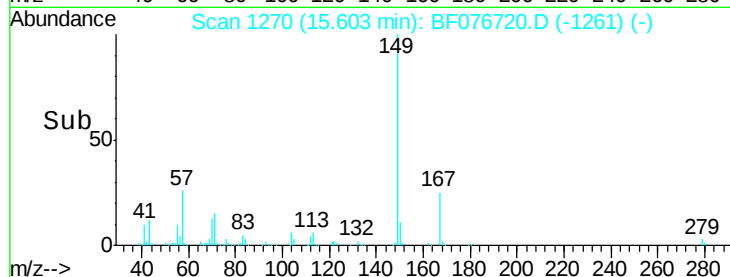
279 2.9 1.5 2.3#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#84

Di-n-octyl phthalate

Concen: 53.37 ng

RT: 16.36 min Scan# 1336

Delta R.T. 0.00 min

Lab File: BF076720.D

Acq: 1 Jan 2015 1:02

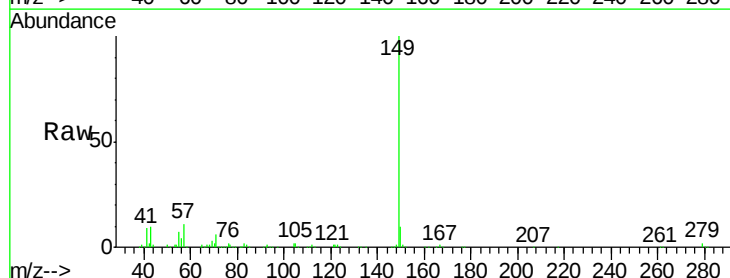
Tgt Ion:149 Resp: 617333

Ion Ratio Lower Upper

149 100

167 1.6 1.2 1.8

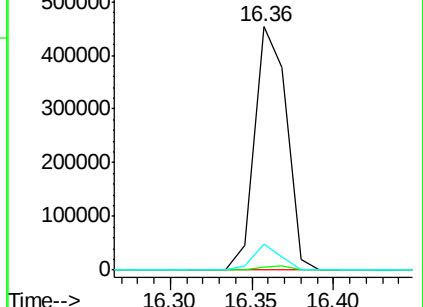
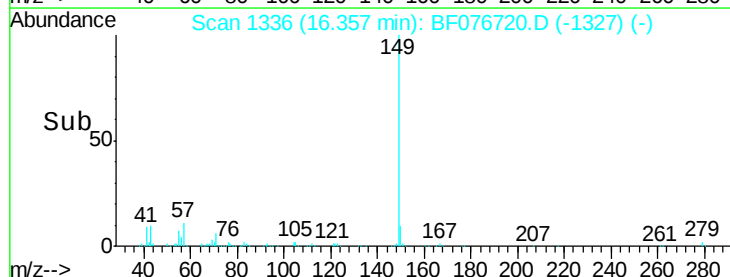
43 9.0 7.1 10.7

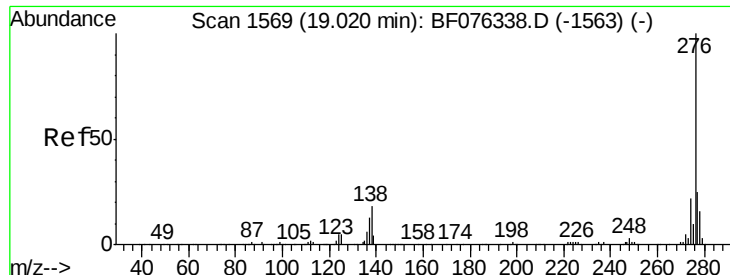


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0

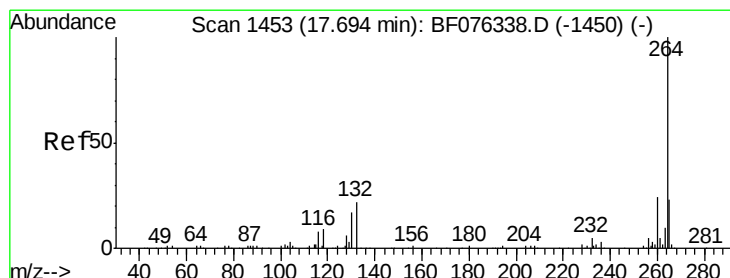
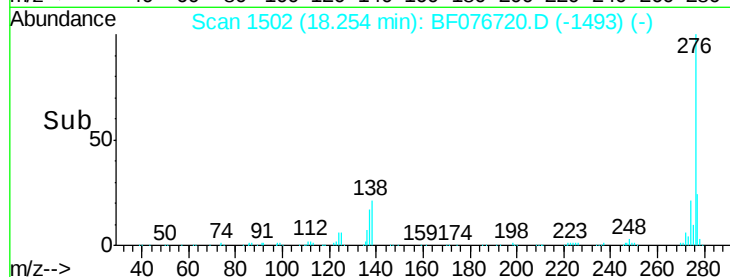
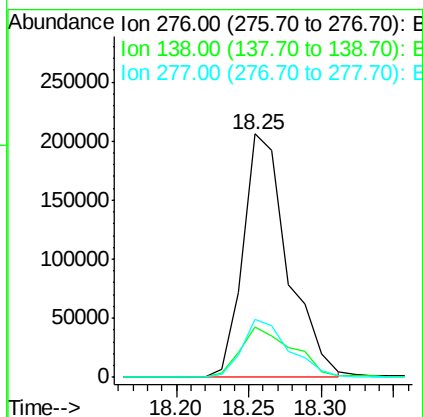
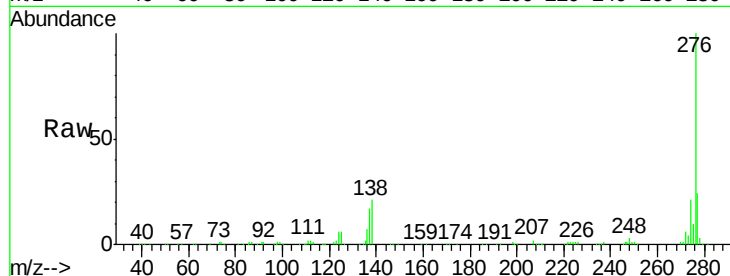




#85
Indeno(1,2,3-cd)pyrene
Concen: 52.62 ng
RT: 18.25 min Scan# 1502
Delta R.T. 0.00 min
Lab File: BF076720.D
Acq: 1 Jan 2015 1:02

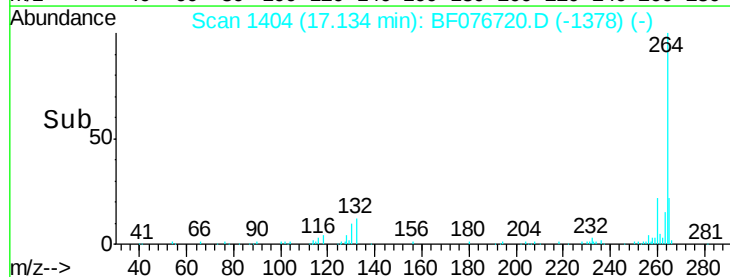
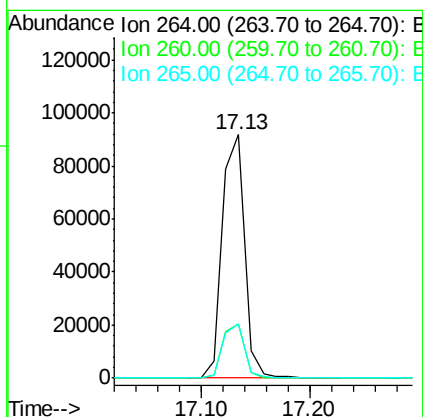
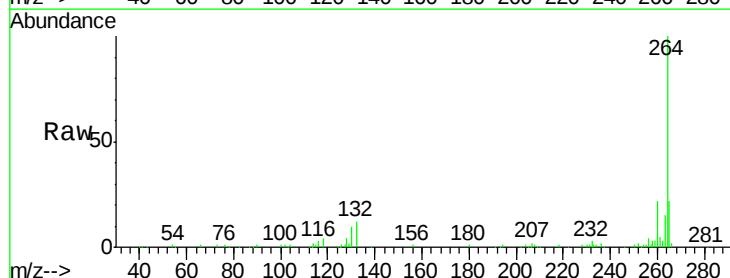
Instrument :
BNA_F
ClientSampleId :
SOILCUTTINGSMS

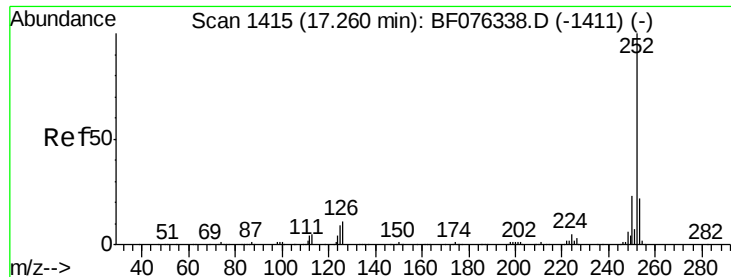
Tot Ion:276 Resp: 440545
Ion Ratio Lower Upper
276 100
138 24.1 19.1 28.7
277 24.9 18.7 28.1



#86
Perylene-d12
Concen: 20.00 ng
RT: 17.13 min Scan# 1404
Delta R.T. 0.00 min
Lab File: BF076720.D
Acq: 1 Jan 2015 1:02

Tgt Ion:264 Resp: 130656
Ion Ratio Lower Upper
264 100
260 22.2 19.4 29.2
265 22.1 18.1 27.1

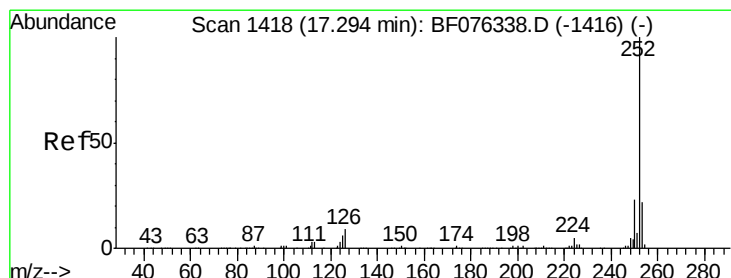
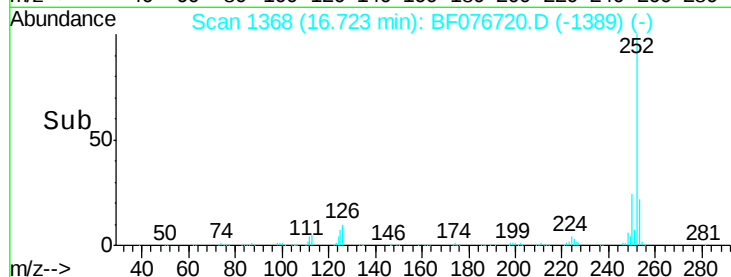
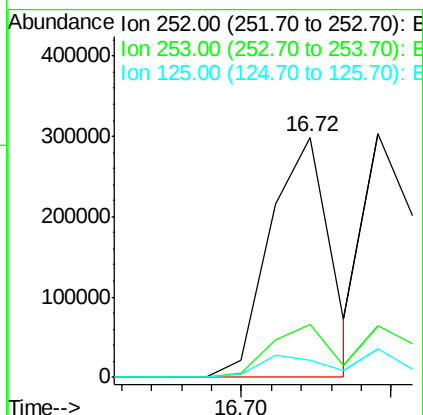
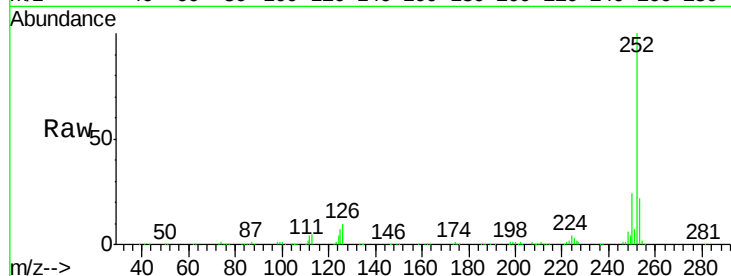




#87
Benzo(b)fluoranthene
Concen: 48.35 ng m
RT: 16.72 min Scan# 1368
Delta R.T. -0.34 min
Lab File: BF076720.D
Acq: 1 Jan 2015 1:02

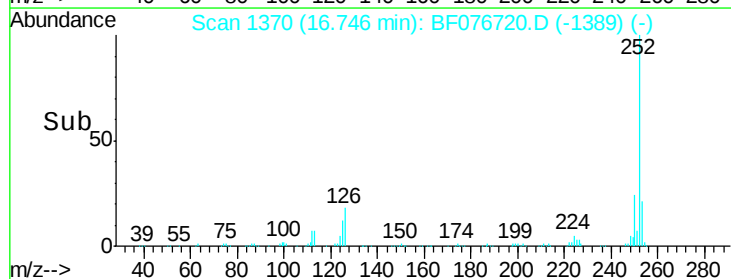
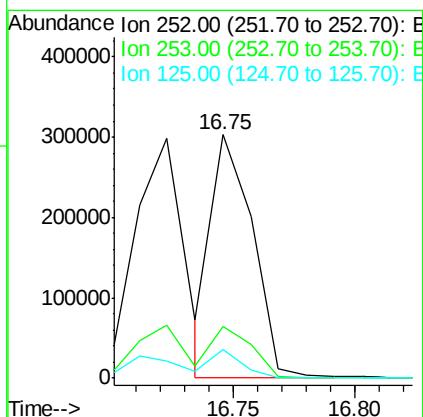
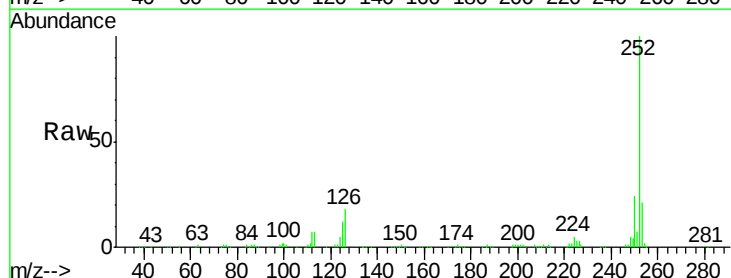
Instrument :
BNA_F
ClientSampleId :
SOILCUTTINGSMS

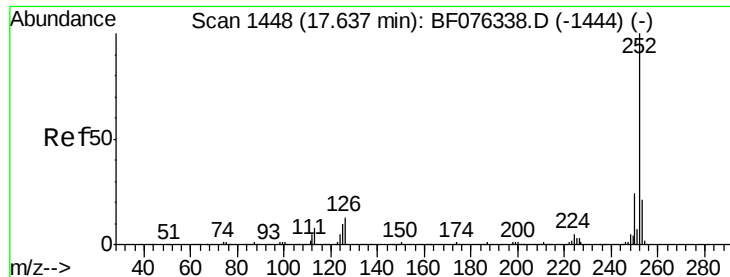
Tot Ion:252 Resp: 416769
Ion Ratio Lower Upper
252 100
253 22.0 17.6 26.4
125 7.0 7.0 10.6#



#88
Benzo(k)fluoranthene
Concen: 44.49 ng m
RT: 16.75 min Scan# 1370
Delta R.T. -0.32 min
Lab File: BF076720.D
Acq: 1 Jan 2015 1:02

Tgt Ion:252 Resp: 357166
Ion Ratio Lower Upper
252 100
253 21.1 17.7 26.5
125 11.9 5.4 8.2#





#89

Benzo(a)pyrene

Concen: 48.35 ng

RT: 17.07 min Scan# 1398

Delta R.T. 0.00 min

Lab File: BF076720.D

Acq: 1 Jan 2015 1:02

Instrument :

BNA_F

ClientSampleId :

SOILCUTTINGSMS

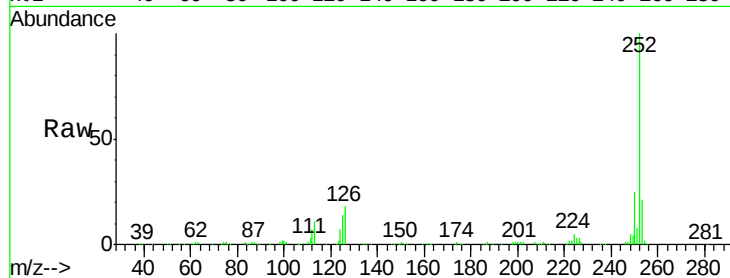
Tot Ion:252 Resp: 371849

Ion Ratio Lower Upper

252 100

253 20.7 17.0 25.4

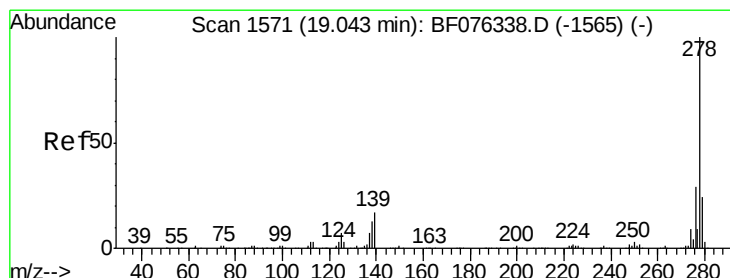
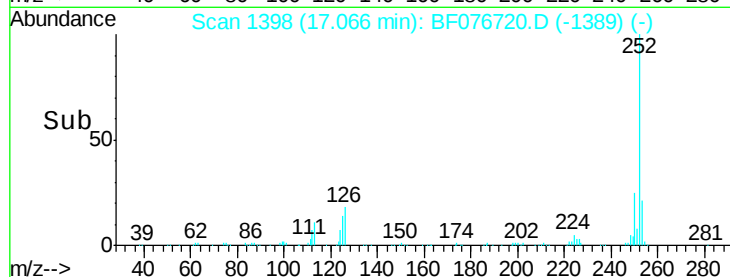
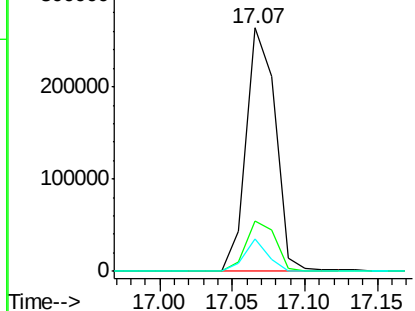
125 13.6 8.2 12.2#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Dibenzo(a,h)anthracene

Concen: 49.15 ng

RT: 18.29 min Scan# 1505

Delta R.T. 0.00 min

Lab File: BF076720.D

Acq: 1 Jan 2015 1:02

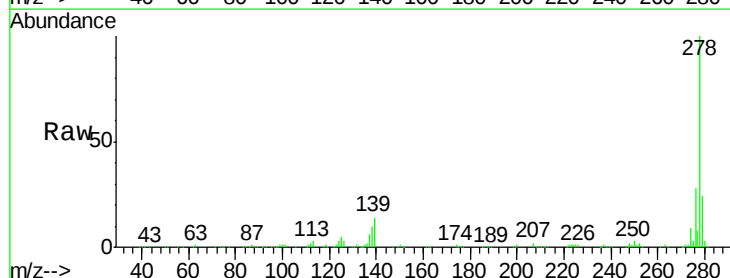
Tgt Ion:278 Resp: 374640

Ion Ratio Lower Upper

278 100

139 13.8 13.8 20.8#

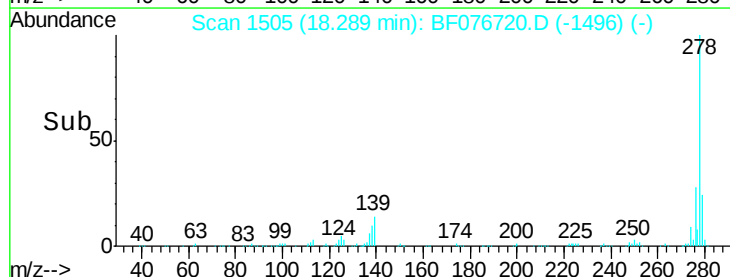
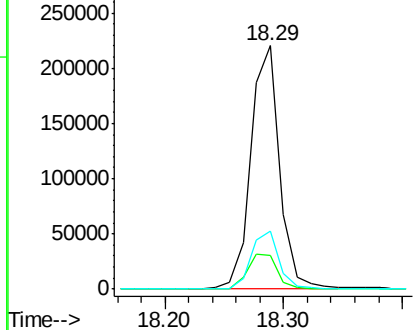
279 23.8 19.0 28.6

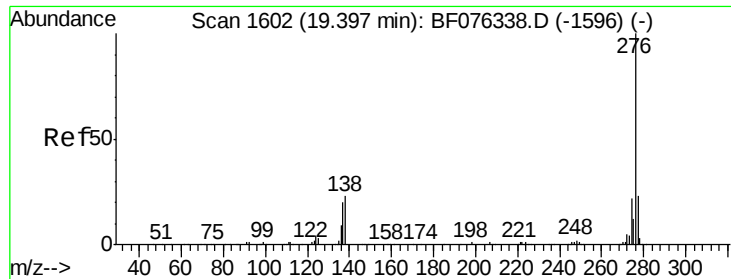


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(a,h,i)perylene

Concen: 51.58 ng

RT: 18.56 min Scan# 1529

Delta R.T. 0.00 min

Lab File: BF076720.D

Acq: 1 Jan 2015 1:02

Instrument :

BNA_F

ClientSampleId :

SOILCUTTINGSMS

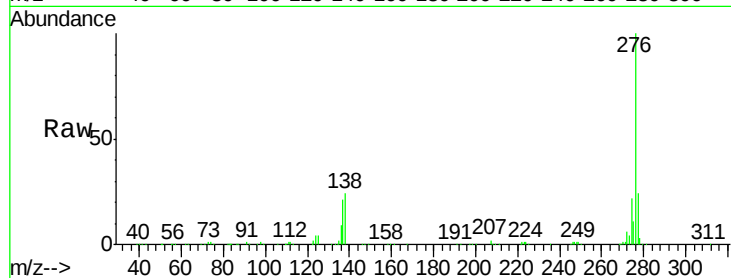
Tot Ion:276 Resp: 382566

Ion Ratio Lower Upper

276 100

277 24.0 18.6 28.0

138 24.0 18.2 27.4



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

