

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081115\
 Data File : BF080972.D
 Acq On : 11 Aug 2015 20:40
 Operator : UM/IZ
 Sample : G3212-02MSD
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-2MSD

Quant Time: Aug 12 00:47:18 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF080715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Aug 08 01:33:05 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	70597	20.00	ng	-0.02
21) Naphthalene-d8	8.08	136	319328	20.00	ng	-0.02
38) Acenaphthene-d10	9.82	164	159903	20.00	ng	-0.02
63) Phenanthrene-d10	11.30	188	317756	20.00	ng	-0.02
75) Chrysene-d12	13.93	240	253374	20.00	ng	-0.03
86) Perylene-d12	15.32	264	239315	20.00	ng	-0.03

System Monitoring Compounds

5) 2-Fluorophenol	5.40	112	503493	116.53	ng	0.02
7) Phenol-d6	6.43	99	614208	103.73	ng	-0.01
23) Nitrobenzene-d5	7.36	82	433581	64.23	ng	-0.02
41) 2,4,6-Tribromophenol	10.61	330	168830	96.11	ng	-0.02
44) 2-Fluorobiphenyl	9.15	172	752387	66.24	ng	-0.02
78) Terphenyl-d14	12.89	244	813143	66.29	ng	-0.02

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.52	88	59111	28.84	ng	# 79
3) Pyridine	3.20	79	81281	13.99	ng	90
4) n-Nitrosodimethylamine	3.12	42	90160	30.39	ng	84
6) Aniline	6.45	93	62908	7.23	ng	# 76
8) 2-Chlorophenol	6.58	128	149722	29.95	ng	97
9) Benzaldehyde	6.33	77	110886	27.78	ng	94
10) Phenol	6.44	94	205816	29.30	ng	90
11) bis(2-Chloroethyl)ether	6.53	93	171868	32.77	ng	92
12) 1,3-Dichlorobenzene	6.81	146	145816	27.48	ng	98
13) 1,4-Dichlorobenzene	6.81	146	145816	26.45	ng	98
14) 1,2-Dichlorobenzene	6.96	146	136768	27.44	ng	96
15) Benzyl Alcohol	6.93	79	136393	28.15	ng	91
16) 2,2'-oxybis(1-Chloropropan	7.07	45	296819	28.13	ng	96
17) 2-Methylphenol	7.05	107	125124	29.32	ng	# 91
18) Hexachloroethane	7.30	117	58526	27.70	ng	97
19) n-Nitroso-di-n-propylamine	7.21	70	114265	26.40	ng	95
20) 3+4-Methylphenols	7.21	107	157413	29.36	ng	92
22) Acetophenone	7.21	105	278482	35.59	ng	# 86
24) Nitrobenzene	7.37	77	164991	23.74	ng	99
25) Isophorone	7.62	82	362096	27.89	ng	98
26) 2-Nitrophenol	7.69	139	83272	28.47	ng	97
27) 2,4-Dimethylphenol	7.73	122	160360	29.29	ng	94
28) bis(2-Chloroethoxy)methane	7.82	93	203266	26.08	ng	98
29) 2,4-Dichlorophenol	7.93	162	124702	27.71	ng	95
30) 1,2,4-Trichlorobenzene	8.02	180	131423	26.72	ng	98
31) Naphthalene	8.09	128	452745	25.72	ng	99
32) Benzoic acid	7.81	122	22455	6.85	ng	90
33) 4-Chloroaniline	8.14	127	38043	5.32	ng	95
34) Hexachlorobutadiene	8.21	225	79220	27.07	ng	98
35) Caprolactam	8.52	113	26201	16.19	ng	91
36) 4-Chloro-3-methylphenol	8.64	107	158100	28.79	ng	96
37) 2-Methylnaphthalene	8.78	142	294427	26.28	ng	99
39) 1,2,4,5-Tetrachlorobenzene	8.96	216	154475	31.34	ng	99
40) Hexachlorocyclopentadiene	8.94	237	175114	65.10	ng	100

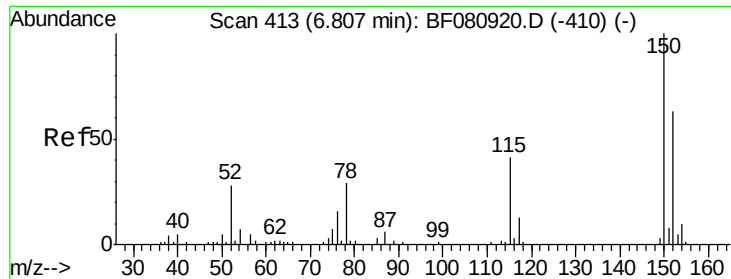
Data Path : Z:\HPCHEM1\BNA F\DATA\BF081115\
 Data File : BF080972.D
 Acq On : 11 Aug 2015 20:40
 Operator : UM/IZ
 Sample : G3212-02MSD
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Quant Time: Aug 12 00:47:18 2015
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.07	196	99099	27.43	nq	95
43) 2,4,5-Trichlorophenol	9.10	196	107323	29.48	nq #	83
45) 1,1'-Biphenyl	9.25	154	538675	39.25	nq	99
46) 2-Chloronaphthalene	9.28	162	309033	28.88	nq	99
47) 2-Nitroaniline	9.37	65	122504	28.56	nq	96
48) Acenaphthylene	9.69	152	523927	28.17	nq	100
49) Dimethylphthalate	9.56	163	374208	28.17	nq #	98
50) 2,6-Dinitrotoluene	9.62	165	82280	29.98	nq #	52
51) Acenaphthene	9.86	154	326241	28.64	nq	99
52) 3-Nitroaniline	9.78	138	32148	9.50	nq	86
53) 2,4-Dinitrophenol	9.88	184	36228	26.20	nq	89
54) Dibenzofuran	10.03	168	427273	27.74	nq	99
55) 4-Nitrophenol	9.95	139	136536	53.92	nq #	60
56) 2,4-Dinitrotoluene	10.02	165	108279	29.49	nq #	70
57) Fluorene	10.37	166	335062	28.12	nq	100
58) 2,3,4,6-Tetrachlorophenol	10.11	232	73926	25.66	nq	100
59) Diethylphthalate	10.26	149	393243	28.44	nq	96
60) 4-Chlorophenyl-phenylether	10.36	204	133816	23.05	nq	97
61) 4-Nitroaniline	10.40	138	76248	21.90	nq	95
62) Azobenzene	10.52	77	375702	24.30	nq	98
64) 4,6-Dinitro-2-methylphenol	10.42	198	29059	14.76	nq	79
65) n-Nitrosodiphenylamine	10.49	169	282036	25.55	nq	100
66) 4-Bromophenyl-phenylether	10.85	248	89747	26.67	nq	99
67) Hexachlorobenzene	10.92	284	106978	28.59	nq	97
68) Atrazine	11.01	200	109560	33.85	nq	96
69) Pentachlorophenol	11.12	266	139548	64.14	nq	98
70) Phenanthrene	11.32	178	486590	27.04	nq	99
71) Anthracene	11.38	178	512343	28.76	nq	100
72) Carbazole	11.54	167	471654	27.19	nq	100
73) Di-n-butylphthalate	11.87	149	611171	28.18	nq	99
74) Fluoranthene	12.51	202	549789	28.27	nq	97
76) Benzidine	12.64	184	136605	10.78	nq	96
77) Pyrene	12.74	202	569777	30.44	nq	99
79) Butylbenzylphthalate	13.36	149	263146	29.16	nq #	69
80) Benzo(a)anthracene	13.92	228	481153	30.06	nq	99
81) 3,3'-Dichlorobenzidine	13.88	252	78853	13.54	nq #	96
82) Chrysene	13.95	228	452039	29.50	nq	99
83) Bis(2-ethylhexyl)phthalate	13.92	149	346459	27.59	nq #	93
84) Di-n-octyl phthalate	14.53	149	639255	30.03	nq	98
85) Indeno(1,2,3-cd)pyrene	16.66	276	400463	27.46	nq	100
87) Benzo(b)fluoranthene	14.96	252	882717	53.04	nq #	97
88) Benzo(k)fluoranthene	14.96	252	882717	60.63	nq	99
89) Benzo(a)pyrene	15.27	252	419062	29.30	nq #	95
90) Dibenzo(a,h)anthracene	16.68	278	337603	26.69	nq	100
91) Benzo(g,h,i)perylene	17.07	276	322460	26.21	nq	98

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.78 min Scan# 411

Delta R.T. -0.02 min

Lab File: BF080972.D

Acq: 11 Aug 2015 20:40

Instrument :

BNA_F

ClientSampleId :

SOIL-2MSD

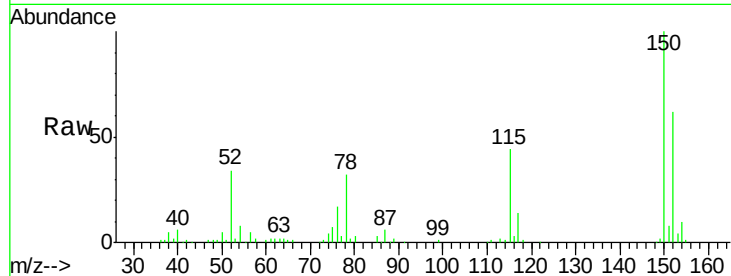
Tot Ion:152 Resp: 70597

Ion Ratio Lower Upper

152 100

150 162.1 127.4 191.2

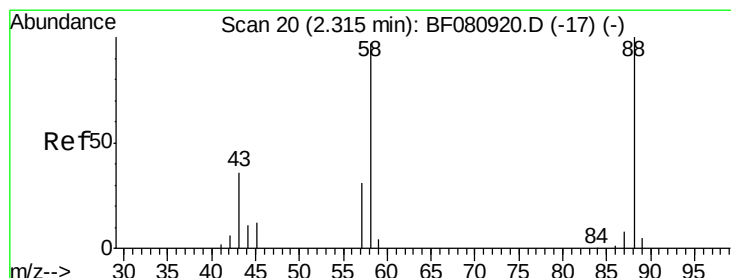
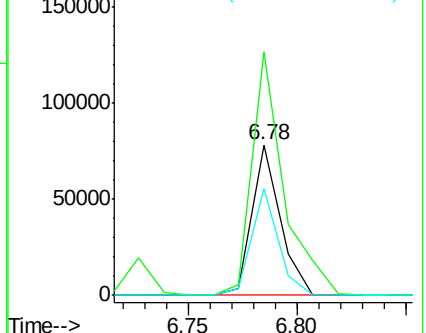
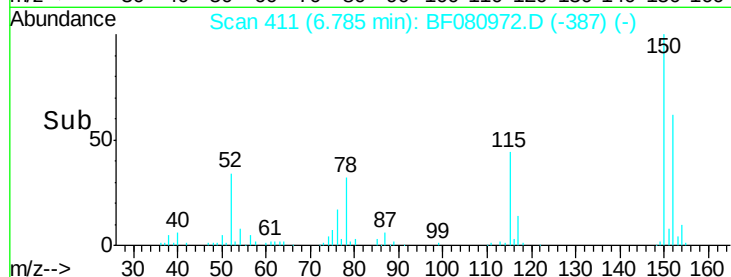
115 70.8 52.6 78.8



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: 28.84 ng

RT: 2.52 min Scan# 38

Delta R.T. 0.21 min

Lab File: BF080972.D

Acq: 11 Aug 2015 20:40

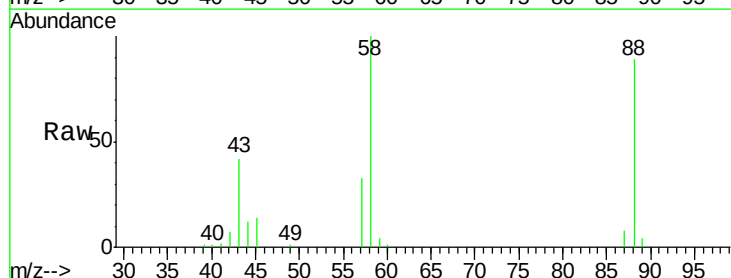
Tgt Ion: 88 Resp: 59111

Ion Ratio Lower Upper

88 100

58 105.3 79.3 118.9

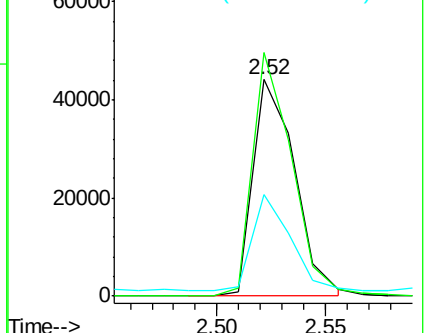
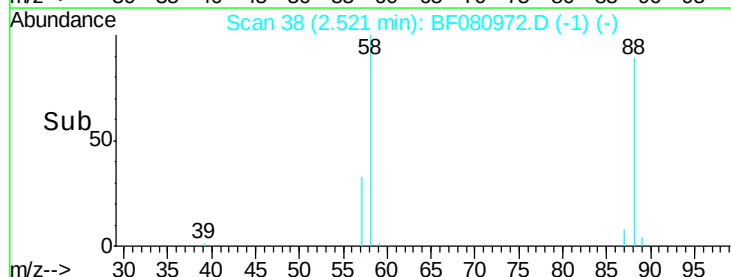
43 0.0 28.3 42.5#

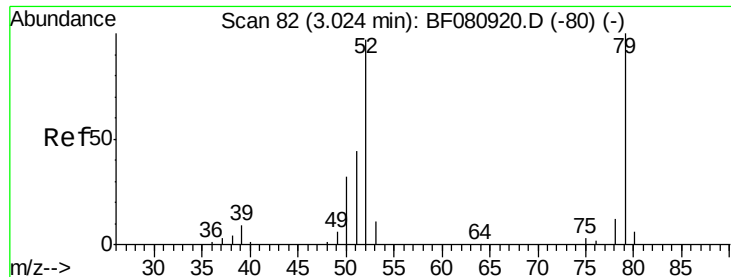


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#3

Pvridine

Concen: 13.99 ng

RT: 3.20 min Scan# 97

Delta R.T. 0.17 min

Lab File: BF080972.D

Acq: 11 Aug 2015 20:40

Instrument :

BNA_F

ClientSampleId :

SOIL-2MSD

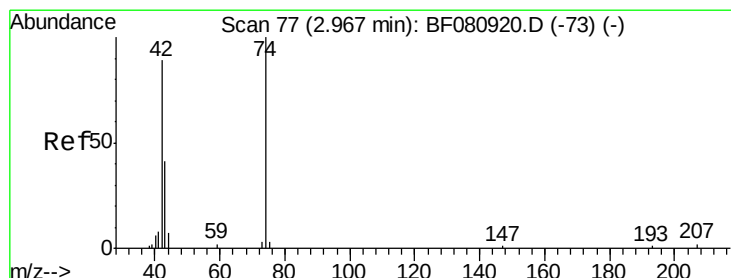
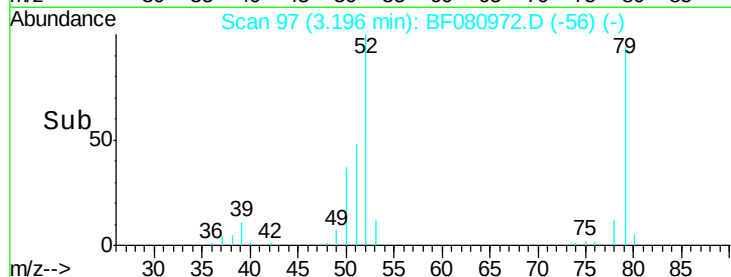
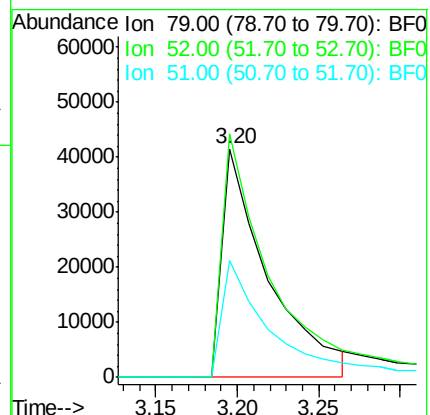
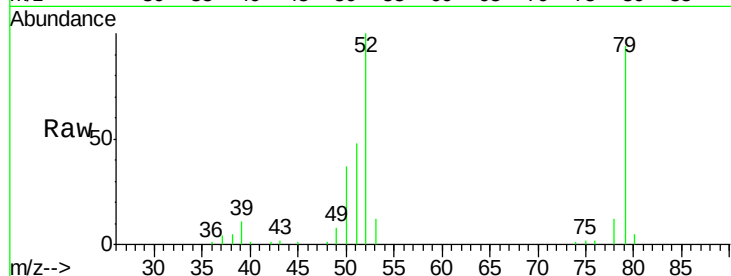
Tot Ion: 79 Resp: 81281

Ion Ratio Lower Upper

79 100

52 106.4 77.2 115.8

51 51.0 35.0 52.4



#4

n-Nitrosodimethylamine

Concen: 30.39 ng

RT: 3.12 min Scan# 90

Delta R.T. 0.15 min

Lab File: BF080972.D

Acq: 11 Aug 2015 20:40

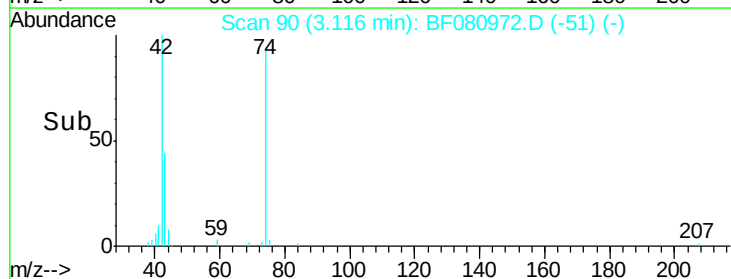
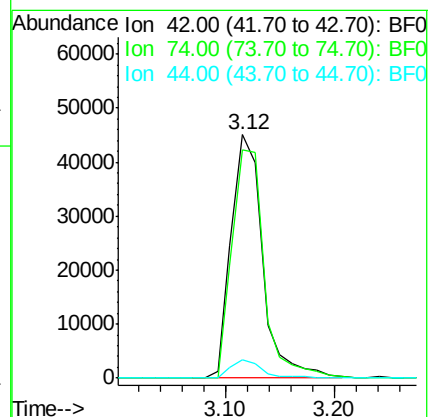
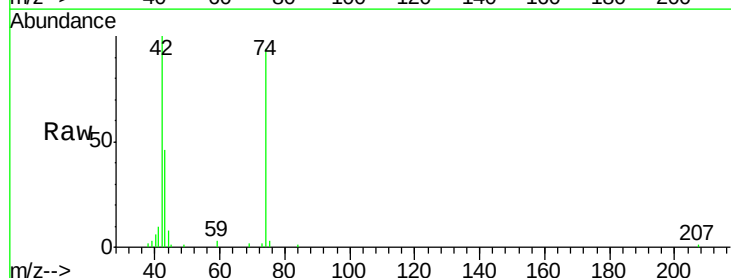
Tgt Ion: 42 Resp: 90160

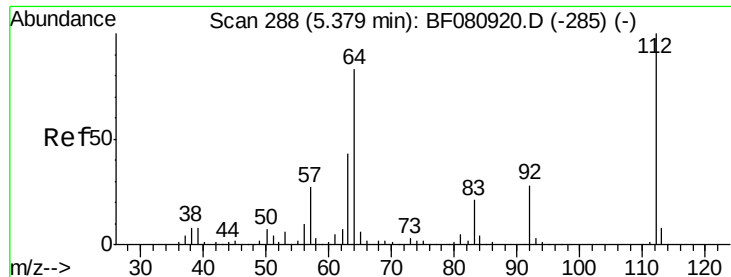
Ion Ratio Lower Upper

42 100

74 94.0 89.8 134.8

44 7.5 6.5 9.7





#5

2-Fluorophenol

Concen: 116.53 ng

RT: 5.40 min Scan# 290

Delta R.T. 0.02 min

Lab File: BF080972.D

Acq: 11 Aug 2015 20:40

Instrument :

BNA_F

ClientSampleId :

SOIL-2MSD

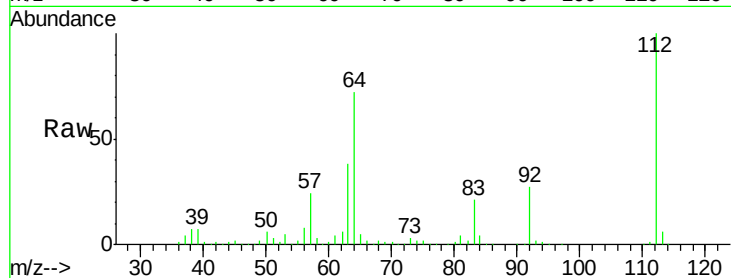
Tot Ion:112 Resp: 503493

Ion Ratio Lower Upper

112 100

64 71.9 66.1 99.1

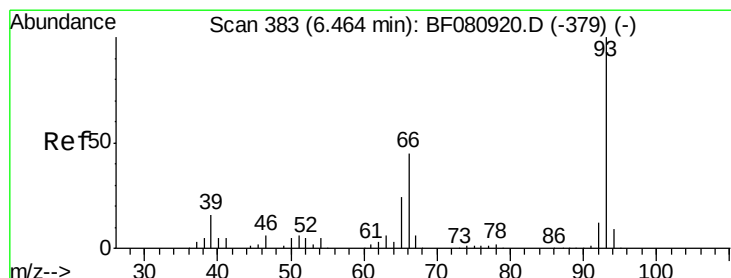
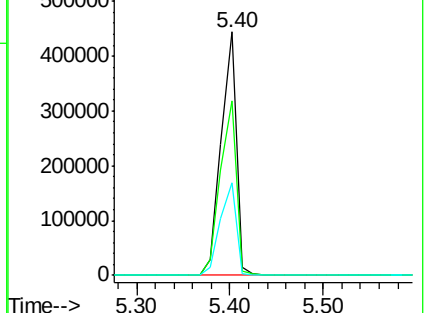
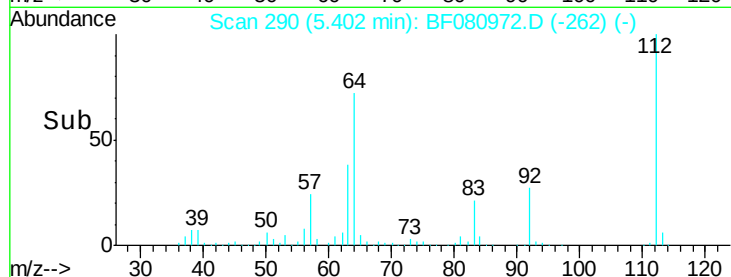
63 38.1 34.6 52.0



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 7.23 ng

RT: 6.45 min Scan# 382

Delta R.T. -0.01 min

Lab File: BF080972.D

Acq: 11 Aug 2015 20:40

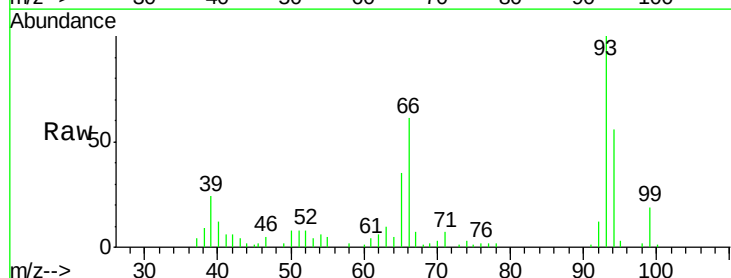
Tgt Ion: 93 Resp: 62908

Ion Ratio Lower Upper

93 100

66 60.8 36.2 54.4#

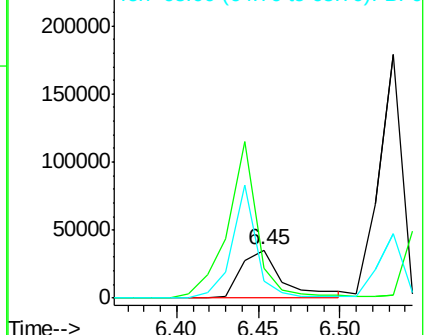
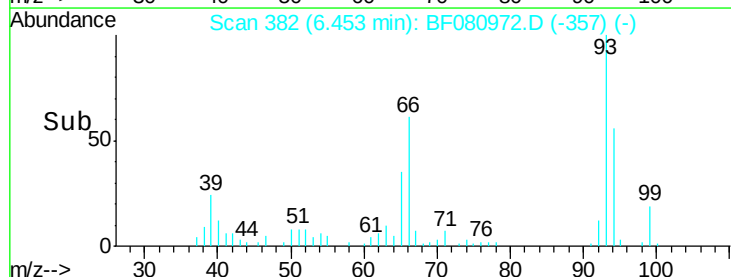
65 35.5 19.0 28.4#

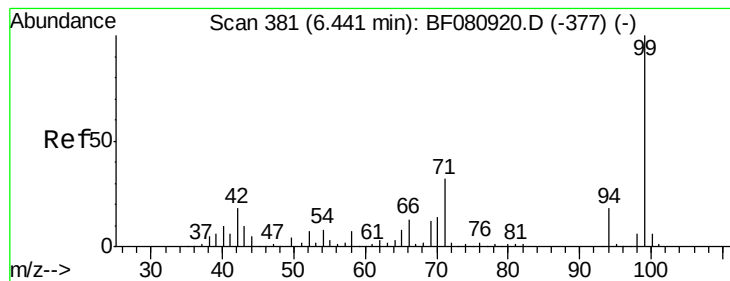


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 103.73 ng

RT: 6.43 min Scan# 380

Delta R.T. -0.01 min

Lab File: BF080972.D

Acq: 11 Aug 2015 20:40

Instrument :

BNA_F

ClientSampleId :

SOIL-2MSD

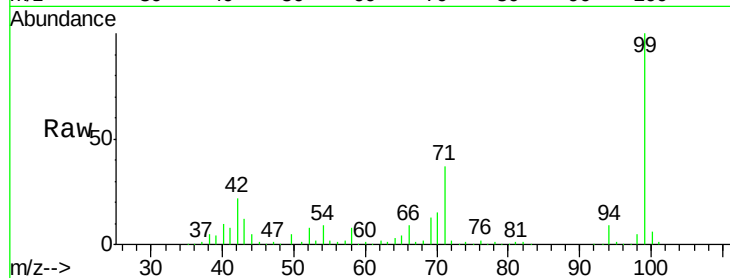
Tot Ion: 99 Resp: 614208

Ion Ratio Lower Upper

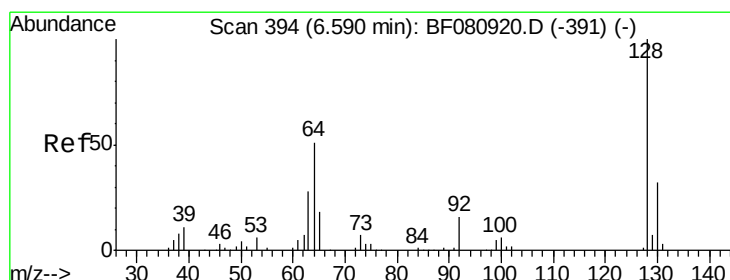
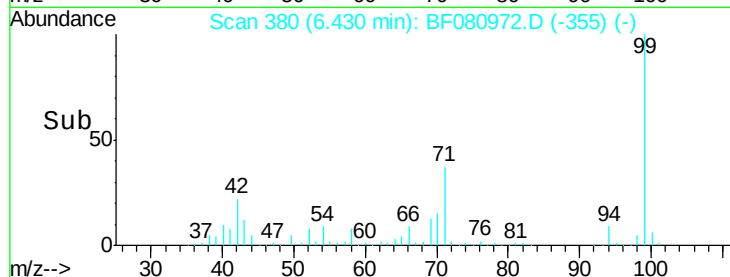
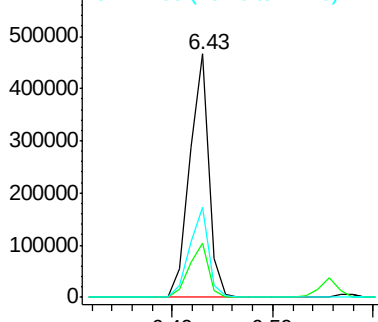
99 100

42 22.4 14.4 21.6#

71 36.8 25.8 38.8



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: 29.95 ng

RT: 6.58 min Scan# 393

Delta R.T. -0.01 min

Lab File: BF080972.D

Acq: 11 Aug 2015 20:40

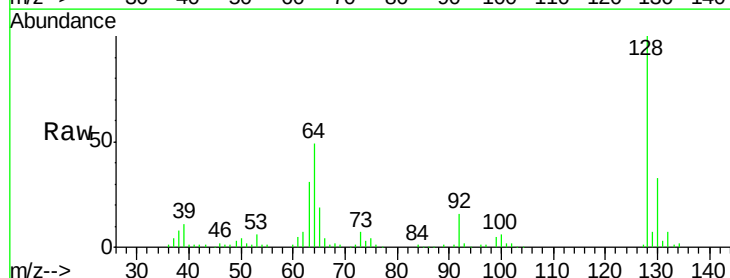
Tgt Ion: 128 Resp: 149722

Ion Ratio Lower Upper

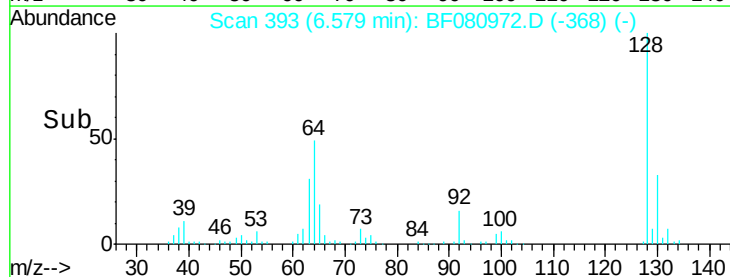
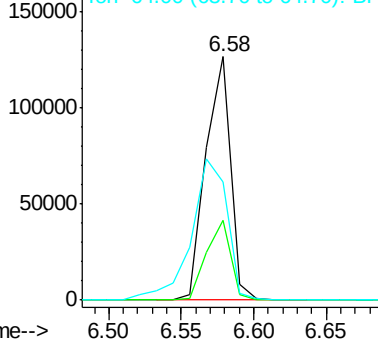
128 100

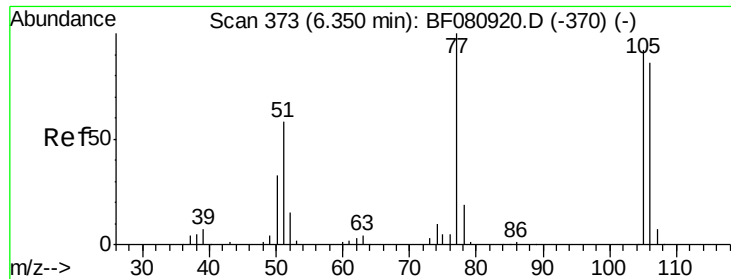
130 32.9 12.4 52.4

64 48.6 32.1 72.1



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: 27.78 ng

RT: 6.33 min Scan# 371

Delta R.T. -0.02 min

Lab File: BF080972.D

Acq: 11 Aug 2015 20:40

Instrument :

BNA_F

ClientSampleId :

SOIL-2MSD

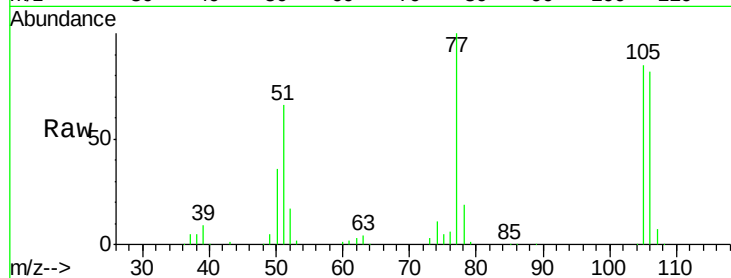
Tot Ion: 77 Resp: 110886

Ion Ratio Lower Upper

77 100

105 85.4 71.6 111.6

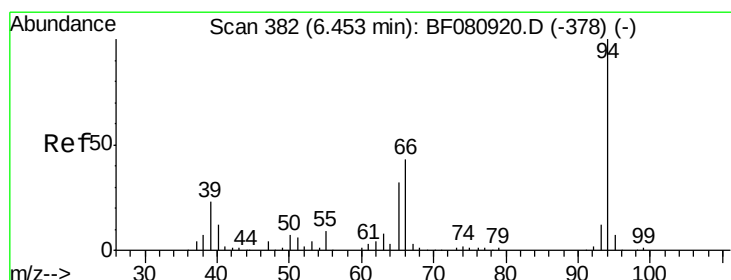
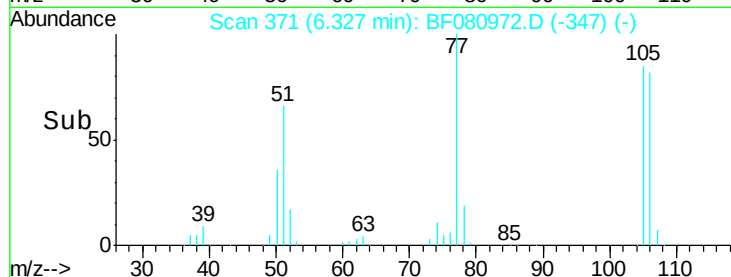
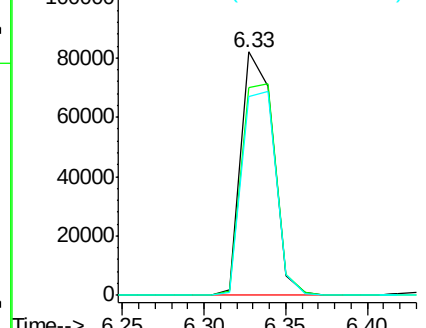
106 81.6 65.7 105.7



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0



#10

Phenol

Concen: 29.30 ng

RT: 6.44 min Scan# 381

Delta R.T. -0.01 min

Lab File: BF080972.D

Acq: 11 Aug 2015 20:40

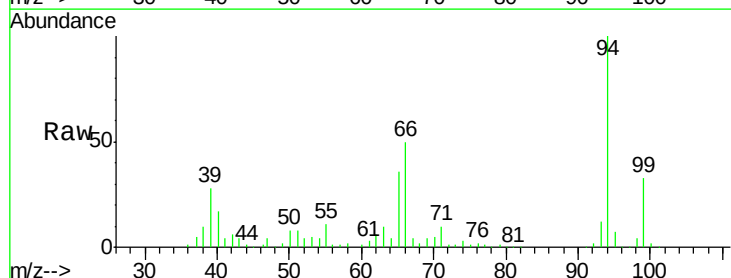
Tgt Ion: 94 Resp: 205816

Ion Ratio Lower Upper

94 100

65 36.5 11.8 51.8

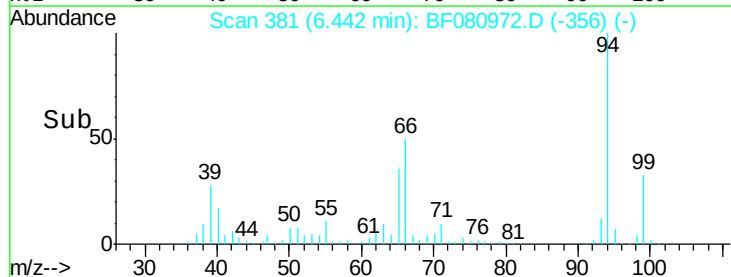
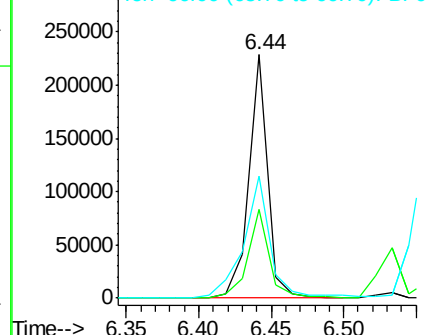
66 50.2 22.9 62.9

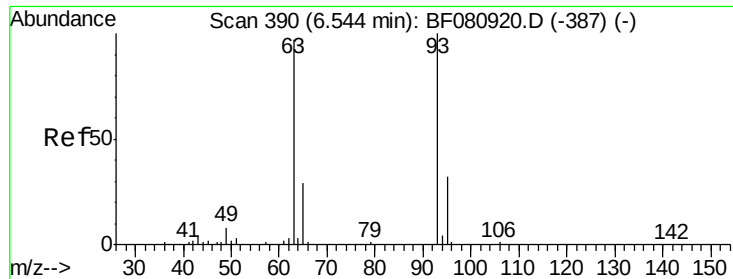


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#11

bis(2-Chloroethyl)ether

Concen: 32.77 ng

RT: 6.53 min Scan# 389

Delta R.T. -0.01 min

Lab File: BF080972.D

Acq: 11 Aug 2015 20:40

Instrument :

BNA_F

ClientSampleId :

SOIL-2MSD

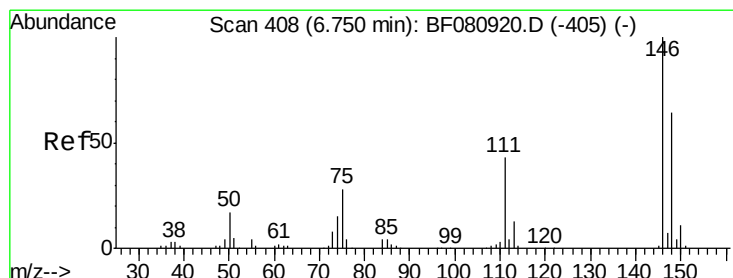
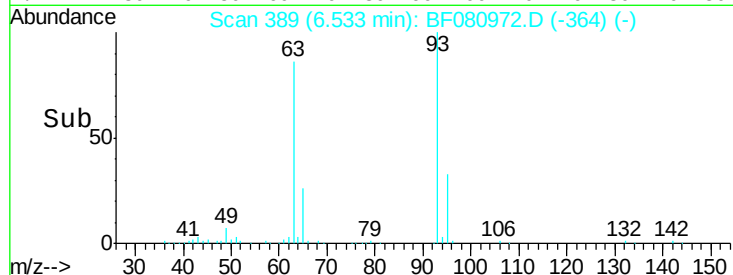
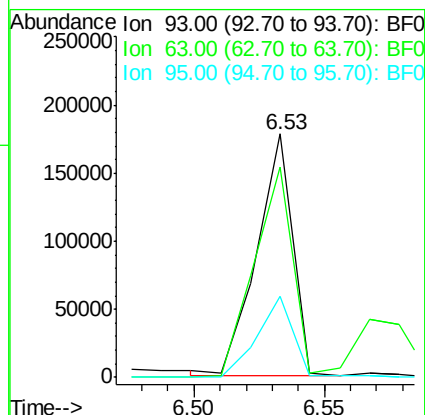
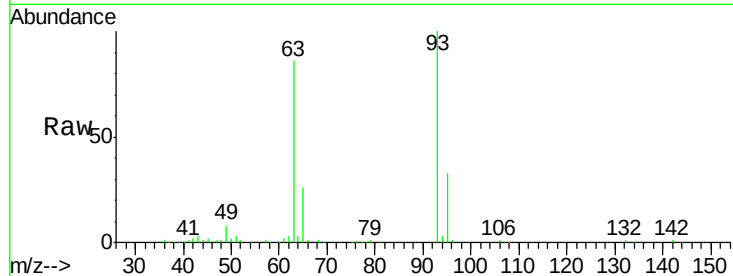
Tot Ion: 93 Resp: 171868

Ion Ratio Lower Upper

93 100

63 86.4 76.7 116.7

95 33.4 12.3 52.3



#12

1,3-Dichlorobenzene

Concen: 27.48 ng

RT: 6.81 min Scan# 413

Delta R.T. 0.06 min

Lab File: BF080972.D

Acq: 11 Aug 2015 20:40

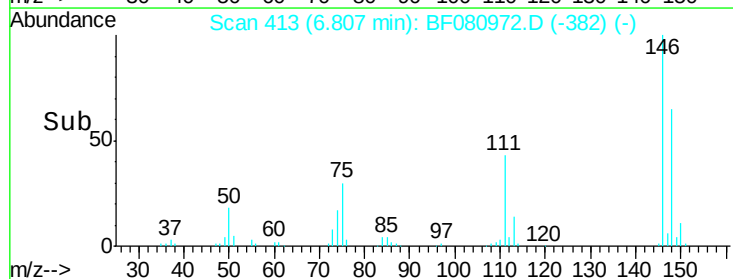
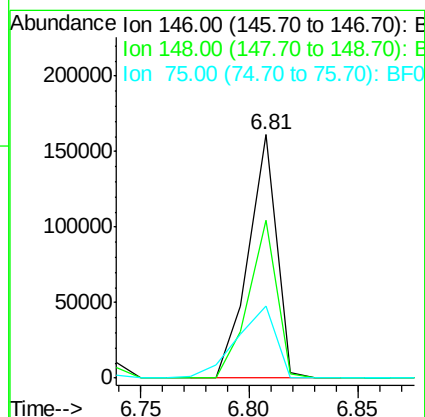
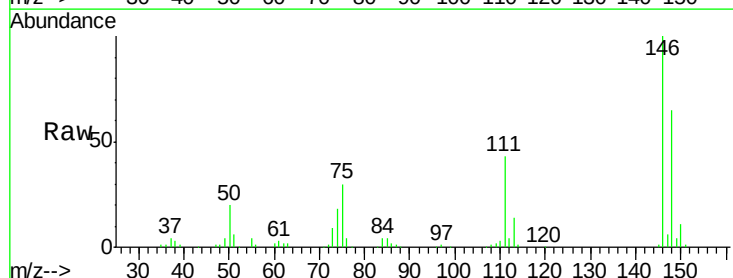
Tgt Ion: 146 Resp: 145816

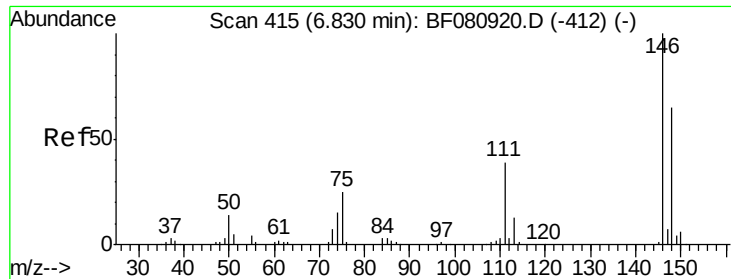
Ion Ratio Lower Upper

146 100

148 64.9 51.4 77.0

75 29.8 22.2 33.4

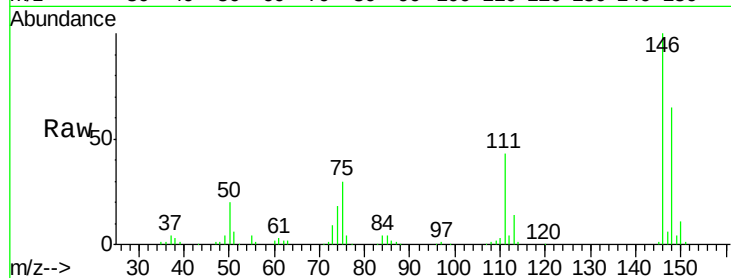




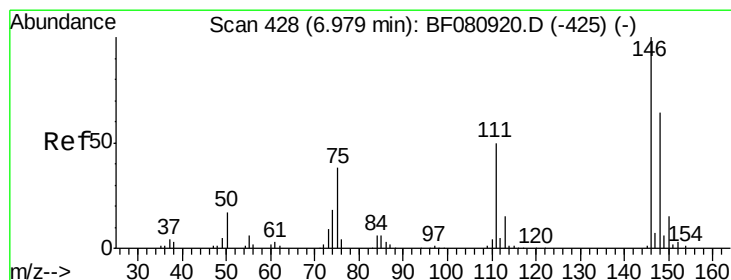
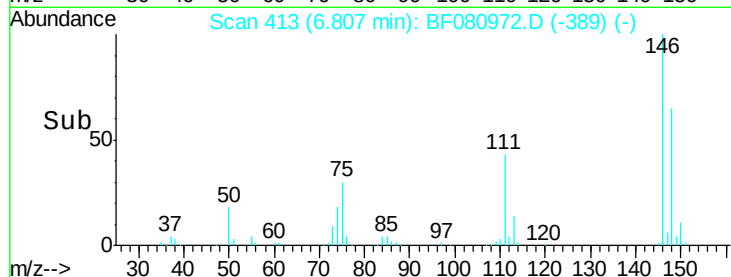
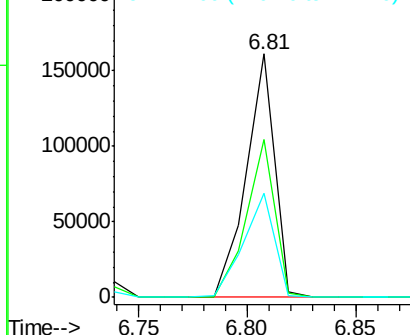
#13
 1,4-Dichlorobenzene
 Concen: 26.45 ng
 RT: 6.81 min Scan# 413
 Delta R.T. -0.02 min
 Lab File: BF080972.D
 Acq: 11 Aug 2015 20:40

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-2MSD

Tot Ion:146 Resp: 145816
 Ion Ratio Lower Upper
 146 100
 148 64.9 52.2 78.4
 111 43.0 31.5 47.3

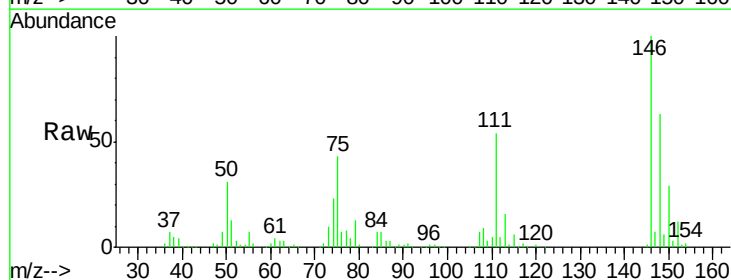


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

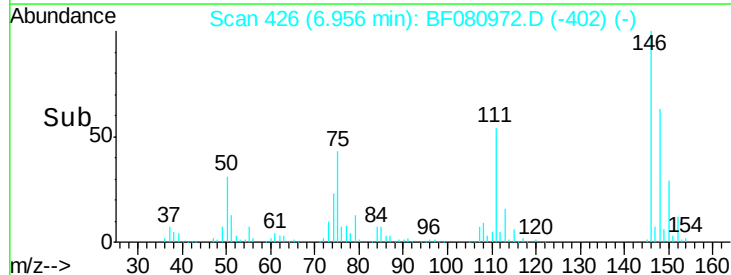
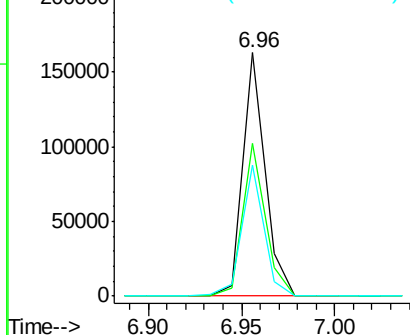


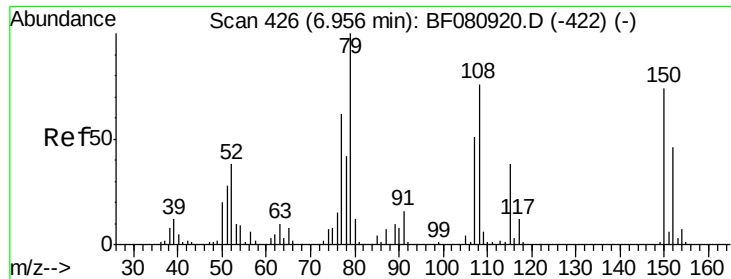
#14
 1,2-Dichlorobenzene
 Concen: 27.44 ng
 RT: 6.96 min Scan# 426
 Delta R.T. -0.02 min
 Lab File: BF080972.D
 Acq: 11 Aug 2015 20:40

Tgt Ion:146 Resp: 136768
 Ion Ratio Lower Upper
 146 100
 148 62.6 51.1 76.7
 111 54.0 40.0 60.0



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

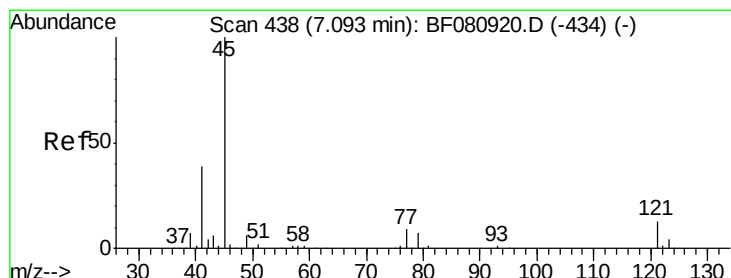
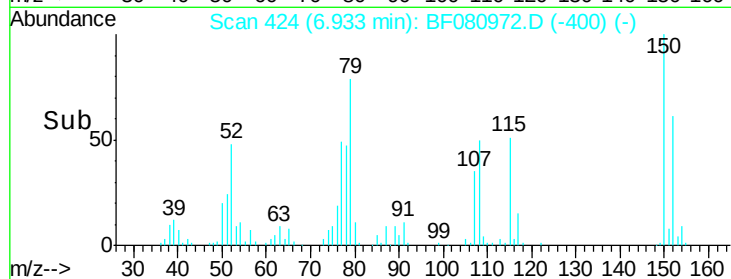
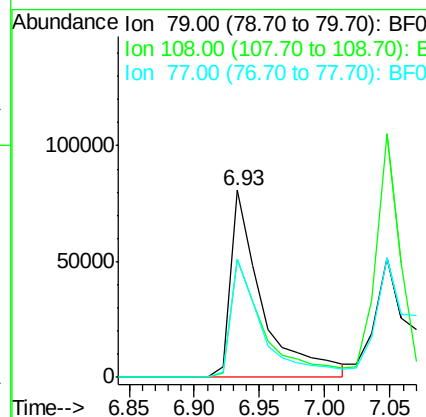
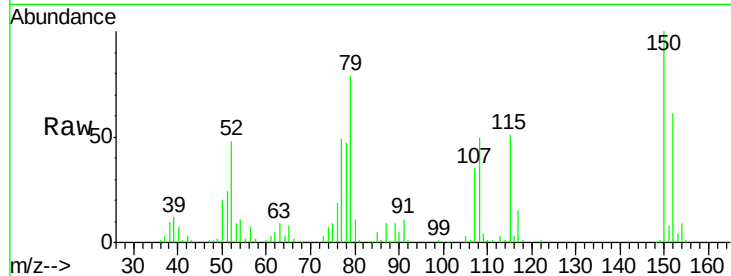




#15
Benzyl Alcohol
Concen: 28.15 ng
RT: 6.93 min Scan# 424
Delta R.T. -0.02 min
Lab File: BF080972.D
Acq: 11 Aug 2015 20:40

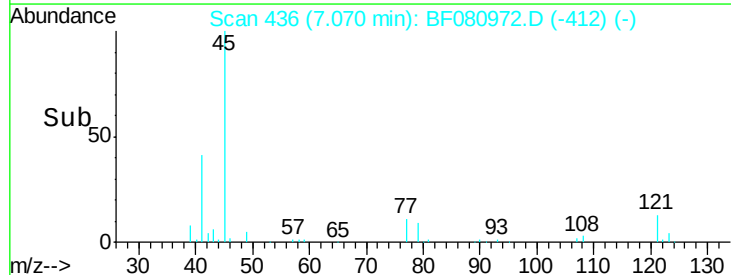
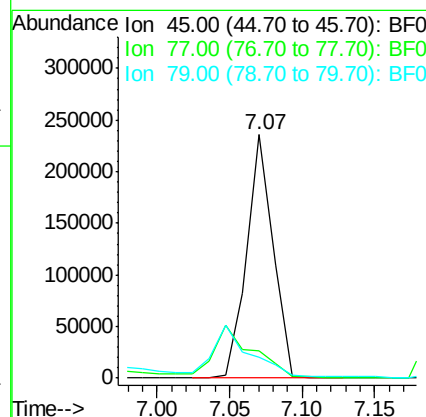
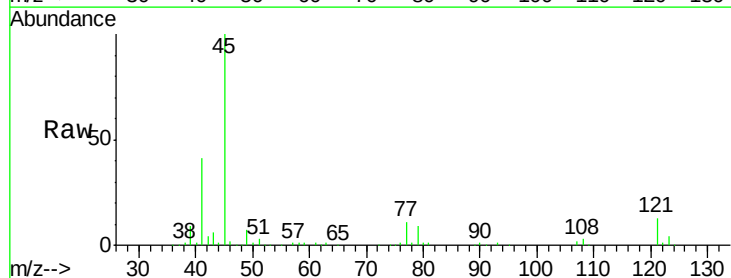
Instrument :
BNA_F
ClientSampleId :
SOIL-2MSD

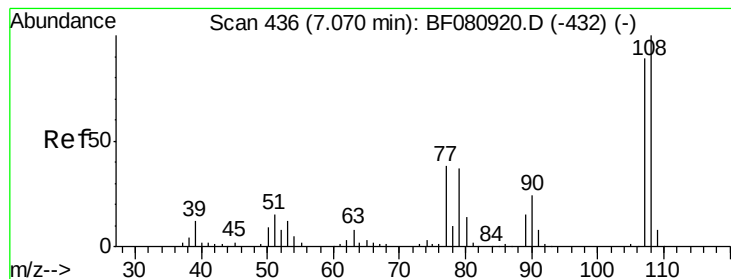
Tot Ion: 79 Resp: 136393
Ion Ratio Lower Upper
79 100
108 62.9 60.9 91.3
77 62.8 49.4 74.0



#16
2,2'-oxybis(1-chloropropane)
Concen: 28.13 ng
RT: 7.07 min Scan# 436
Delta R.T. -0.02 min
Lab File: BF080972.D
Acq: 11 Aug 2015 20:40

Tgt Ion: 45 Resp: 296819
Ion Ratio Lower Upper
45 100
77 11.3 0.0 29.6
79 8.8 0.0 27.7

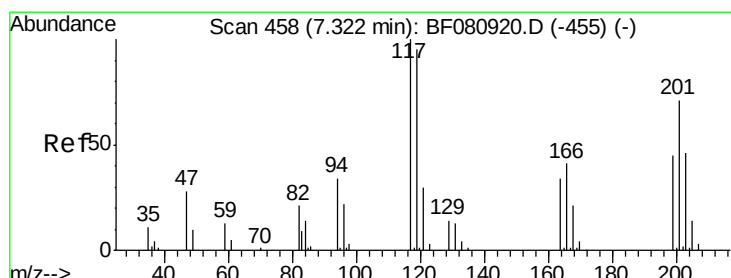
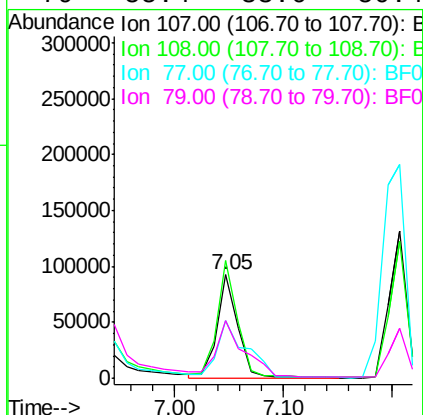
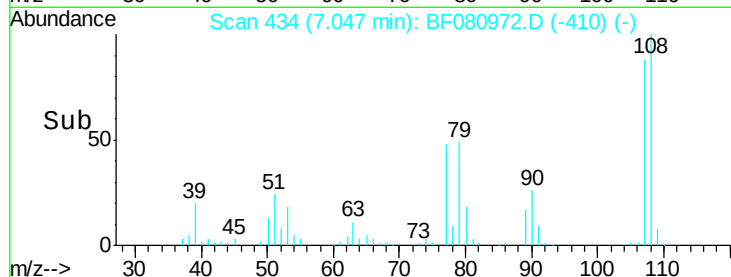
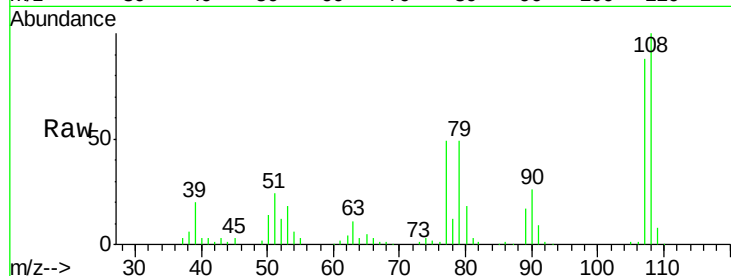




#17
2-Methylphenol
Concen: 29.32 ng
RT: 7.05 min Scan# 434
Delta R.T. -0.02 min
Lab File: BF080972.D
Acq: 11 Aug 2015 20:40

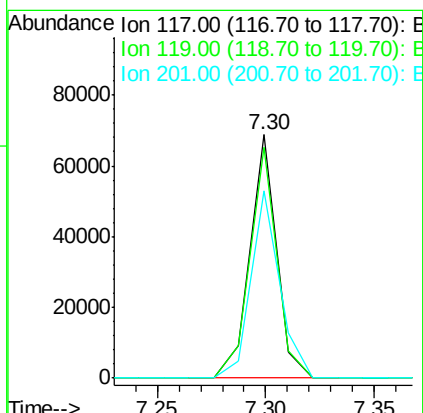
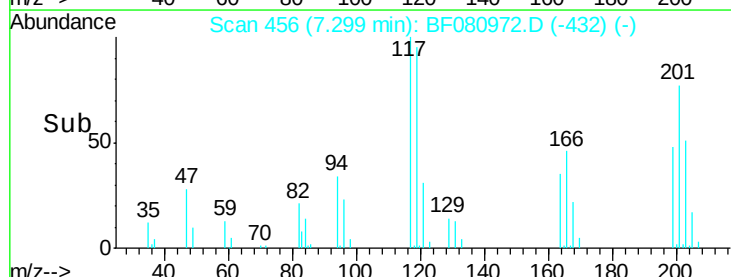
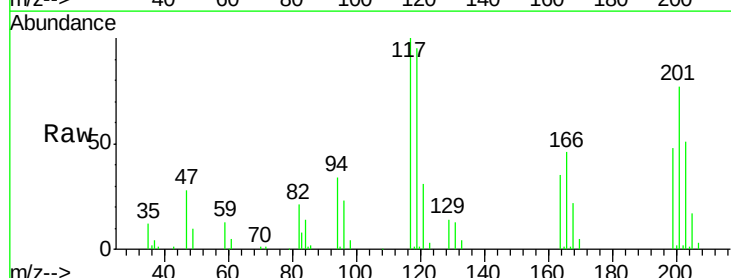
Instrument :
BNA_F
ClientSampleID :
SOIL-2MSD

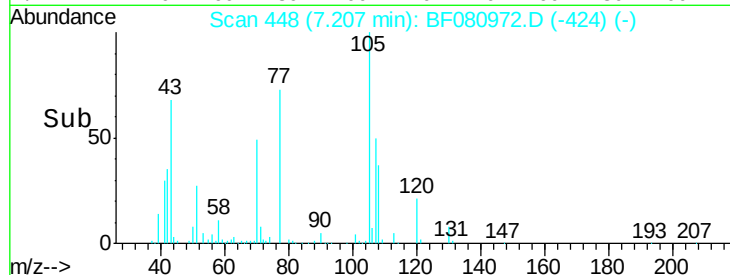
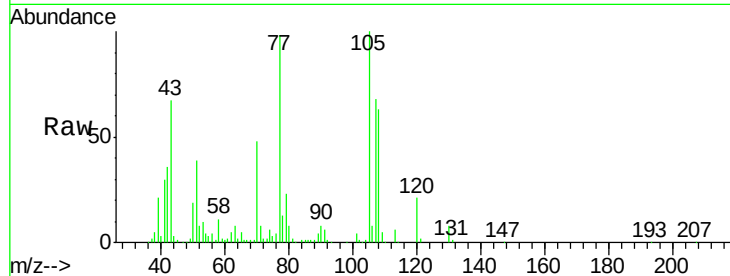
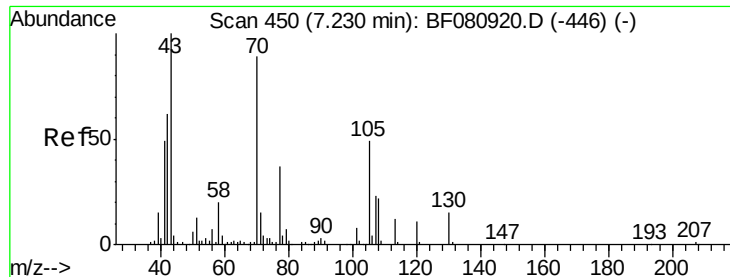
Tot Ion	Ratio	Lower	Upper
107	100		
108	113.5	90.3	135.5
77	55.4	34.6	51.8#
79	55.4	33.6	50.4#



#18
Hexachloroethane
Concen: 27.70 ng
RT: 7.30 min Scan# 456
Delta R.T. -0.02 min
Lab File: BF080972.D
Acq: 11 Aug 2015 20:40

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.7	76.3	114.5
201	76.9	57.0	85.6

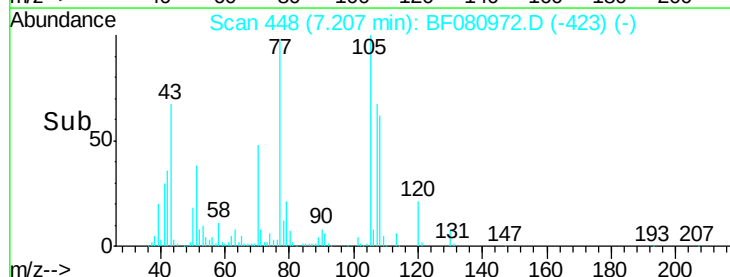
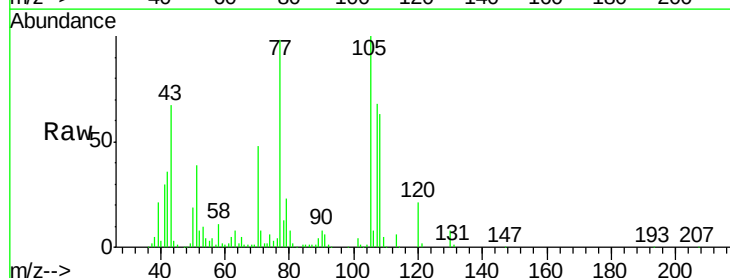
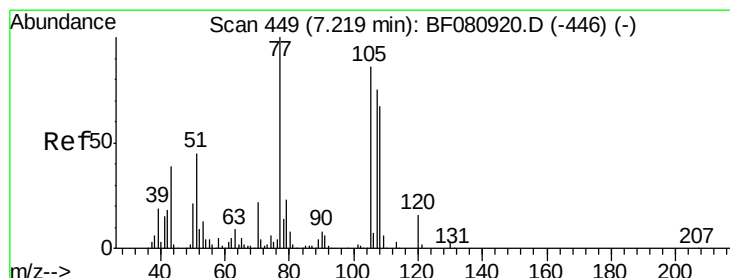
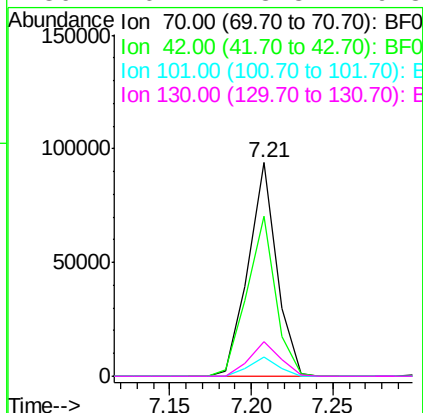




#19
n-Nitroso-di-n-propylamine
Concen: 26.40 ng
RT: 7.21 min Scan# 448
Delta R.T. -0.02 min
Lab File: BF080972.D
Acq: 11 Aug 2015 20:40

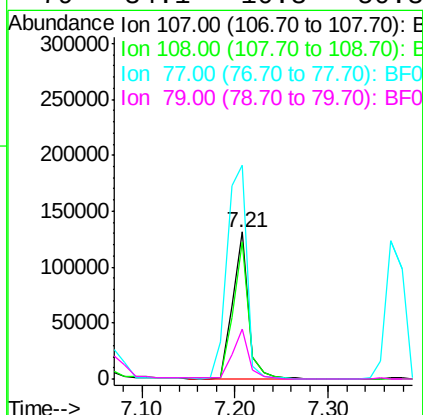
Instrument :
BNA_F
ClientSampleId :
SOIL-2MSD

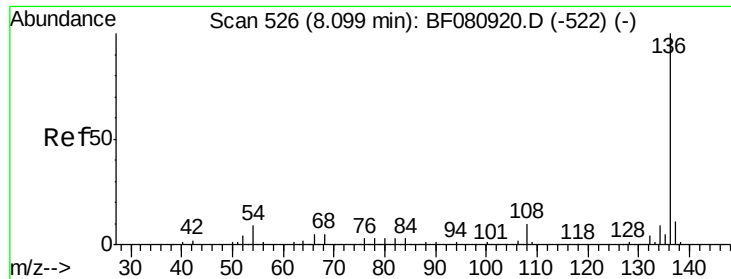
Tot Ion:	70	Resp:	114265
Ion	Ratio	Lower	Upper
70	100		
42	74.8	55.7	83.5
101	8.8	7.0	10.6
130	16.4	13.8	20.8



#20
3+4-Methylphenols
Concen: 29.36 ng
RT: 7.21 min Scan# 448
Delta R.T. -0.01 min
Lab File: BF080972.D
Acq: 11 Aug 2015 20:40

Tgt Ion:	107	Resp:	157413
Ion	Ratio	Lower	Upper
107	100		
108	93.2	69.2	109.2
77	145.3	113.0	153.0
79	34.1	10.3	50.3

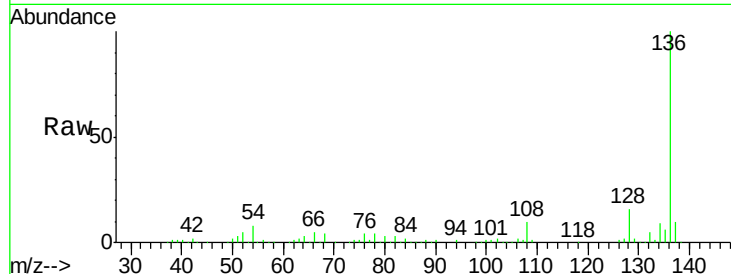




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.08 min Scan# 524
Delta R.T. -0.02 min
Lab File: BF080972.D
Acq: 11 Aug 2015 20:40

Instrument :
BNA_F
ClientSampleId :
SOIL-2MSD

Tot Ion:136	Resp:	319328
Ion Ratio	Lower	Upper
136	100	
137	10.1	8.5 12.7
54	8.4	7.1 10.7
68	4.3	3.8 5.8

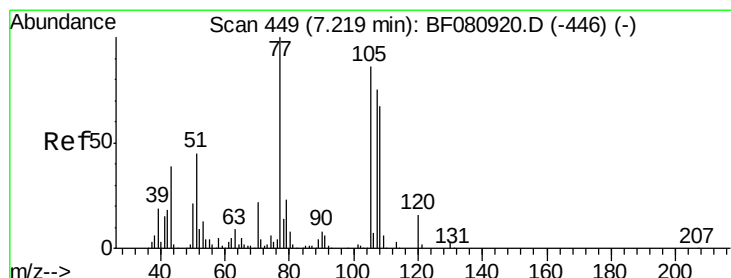
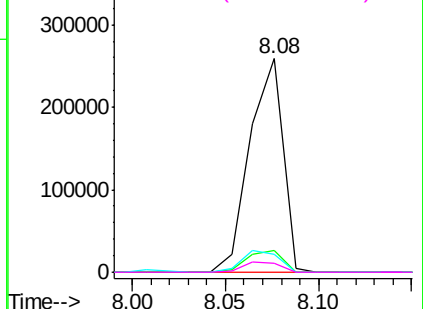
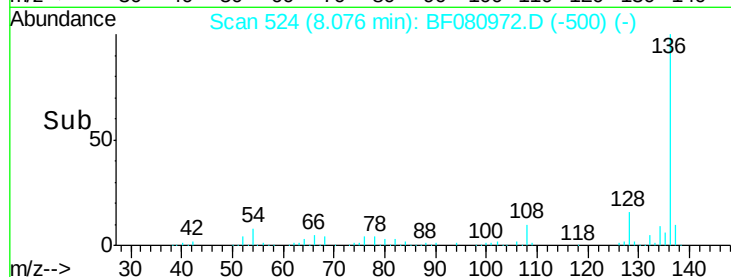


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

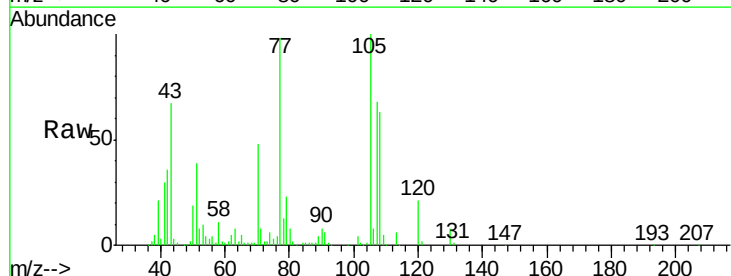
Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#22
Acetophenone
Concen: 35.59 ng
RT: 7.21 min Scan# 448
Delta R.T. -0.01 min
Lab File: BF080972.D
Acq: 11 Aug 2015 20:40

Tgt Ion:105	Resp:	278482
Ion Ratio	Lower	Upper
105	100	
71	7.9	3.3 4.9#
51	39.4	41.8 62.6#
120	20.6	15.1 22.7

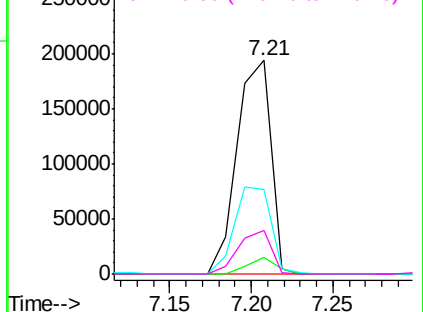
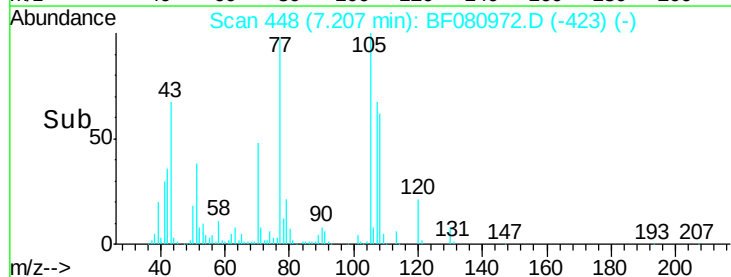


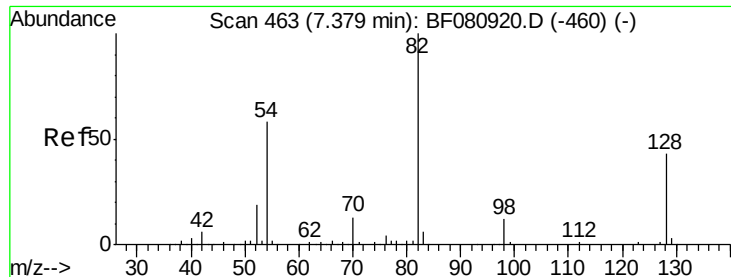
Abundance Ion 105.00 (104.70 to 105.70): E

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

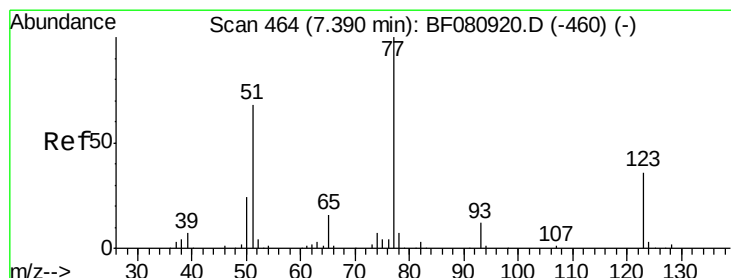
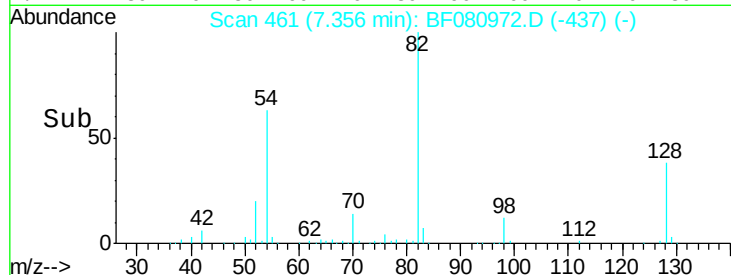
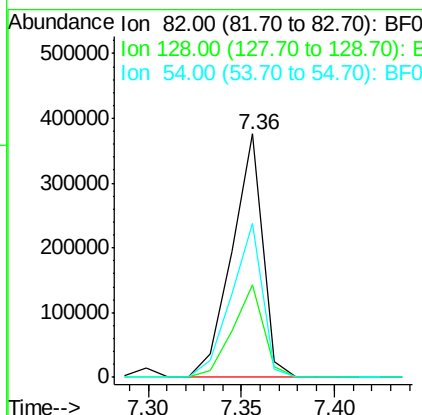
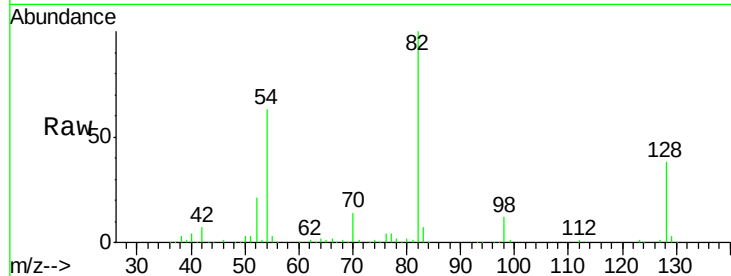




#23
 Nitrobenzene-d5
 Concen: 64.23 ng
 RT: 7.36 min Scan# 461
 Delta R.T. -0.02 min
 Lab File: BF080972.D
 Acq: 11 Aug 2015 20:40

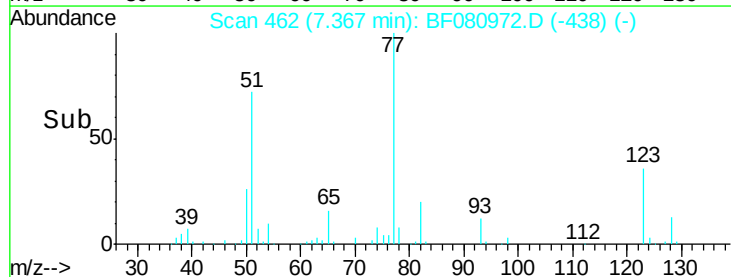
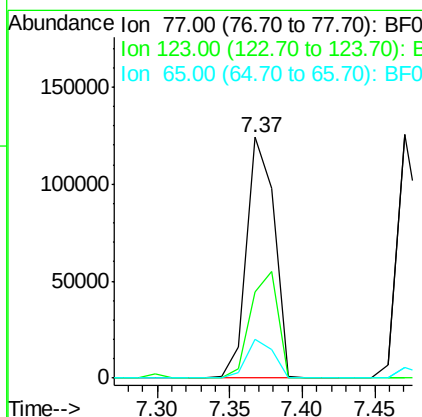
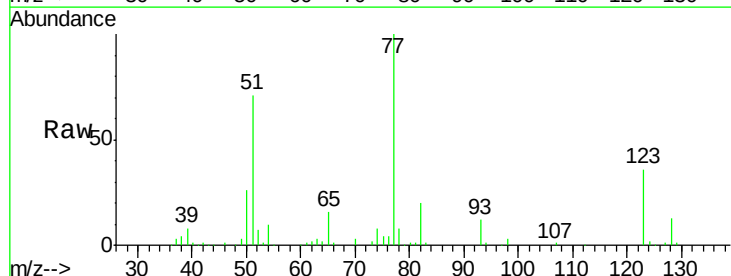
Instrument :
 BNA_F
 ClientSampleId :
 SOIL-2MSD

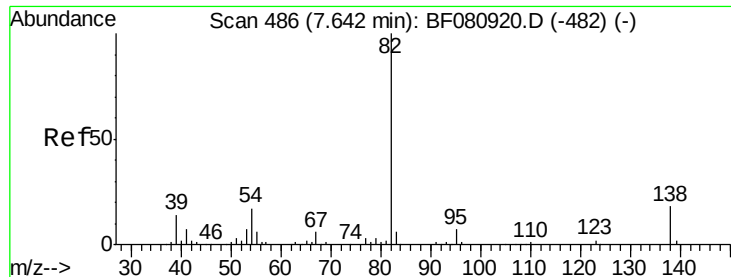
Tot Ion	82	Resp	433581
Ion Ratio	Lower	Upper	
82	100		
128	38.2	34.1	51.1
54	63.2	46.5	69.7



#24
 Nitrobenzene
 Concen: 23.74 ng
 RT: 7.37 min Scan# 462
 Delta R.T. -0.02 min
 Lab File: BF080972.D
 Acq: 11 Aug 2015 20:40

Tgt Ion	77	Resp	164991
Ion Ratio	Lower	Upper	
77	100		
123	35.7	28.7	43.1
65	16.0	12.5	18.7





#25

Isophorone

Concen: 27.89 ng

RT: 7.62 min Scan# 484

Delta R.T. -0.02 min

Lab File: BF080972.D

Acq: 11 Aug 2015 20:40

Instrument :

BNA_F

ClientSampled :

SOIL-2MSD

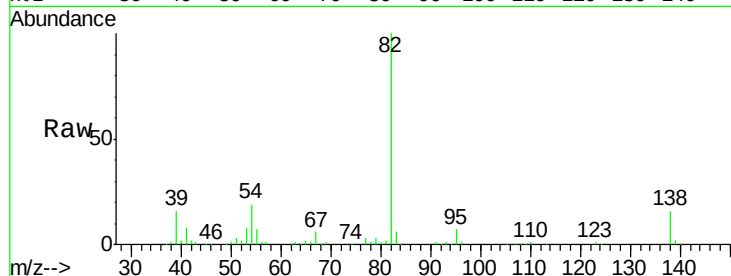
Tot Ion: 82 Resp: 362096

Ion Ratio Lower Upper

82 100

95 7.5 5.8 8.6

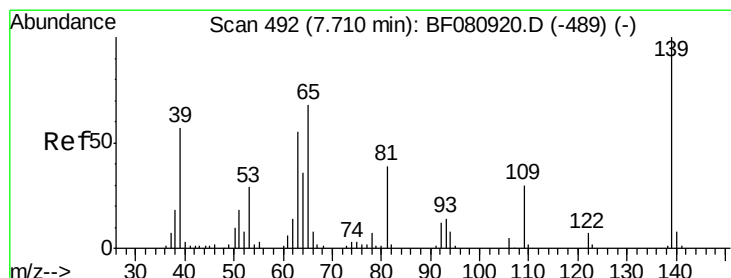
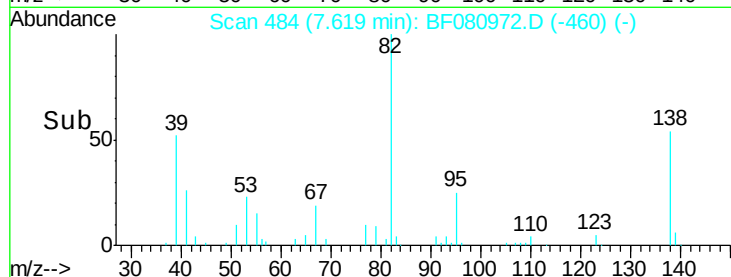
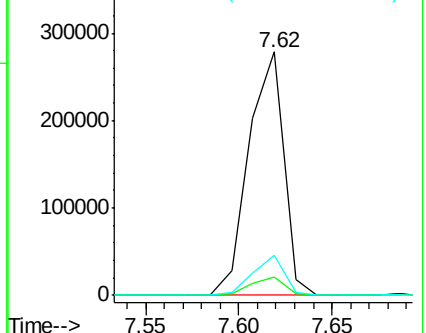
138 16.2 14.1 21.1



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0



#26

2-Nitrophenol

Concen: 28.47 ng

RT: 7.69 min Scan# 490

Delta R.T. -0.02 min

Lab File: BF080972.D

Acq: 11 Aug 2015 20:40

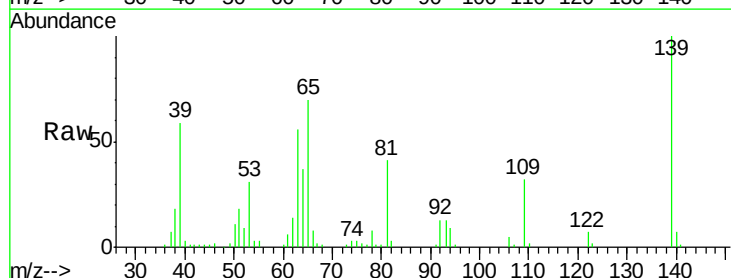
Tgt Ion: 139 Resp: 83272

Ion Ratio Lower Upper

139 100

109 32.5 24.1 36.1

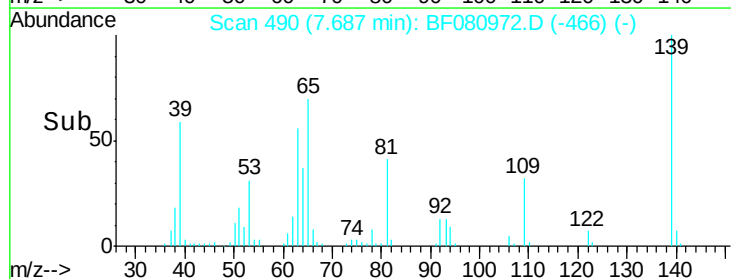
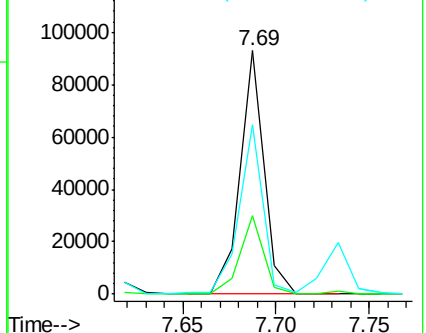
65 69.8 54.0 81.0

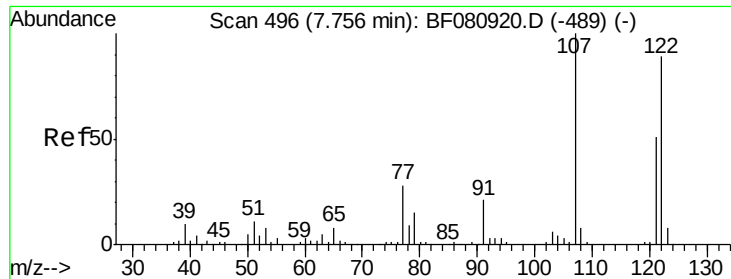


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

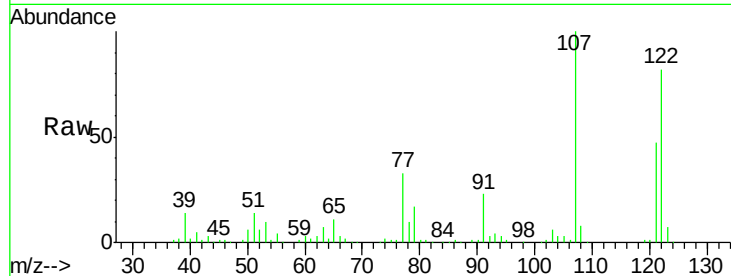




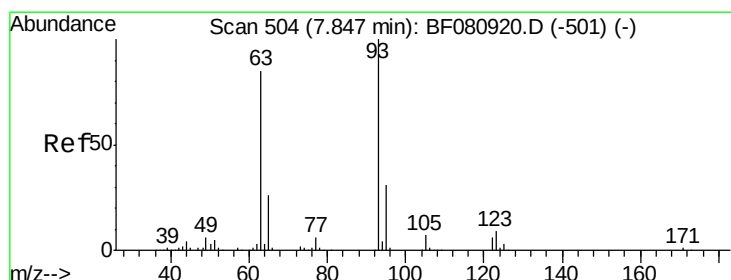
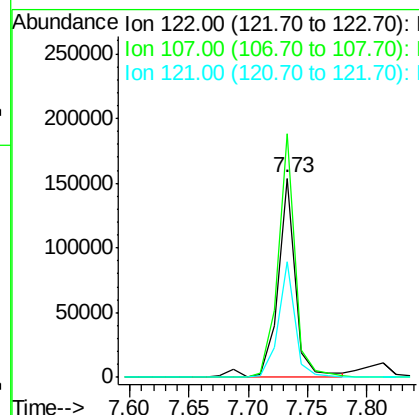
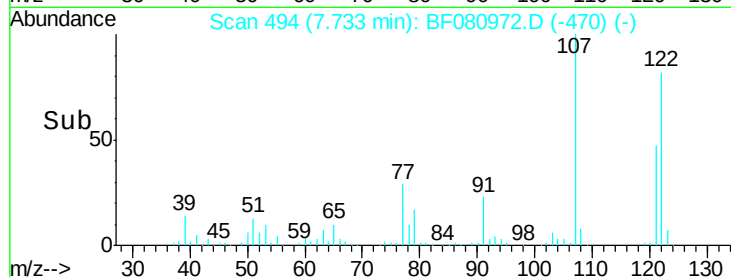
#27
 2,4-Dimethylphenol
 Concen: 29.29 ng
 RT: 7.73 min Scan# 494
 Delta R.T. -0.02 min
 Lab File: BF080972.D
 Acq: 11 Aug 2015 20:40

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-2MSD

Tot Ion	Ratio	Lower	Upper
122	100		
107	122.3	90.2	135.4
121	58.0	46.0	69.0

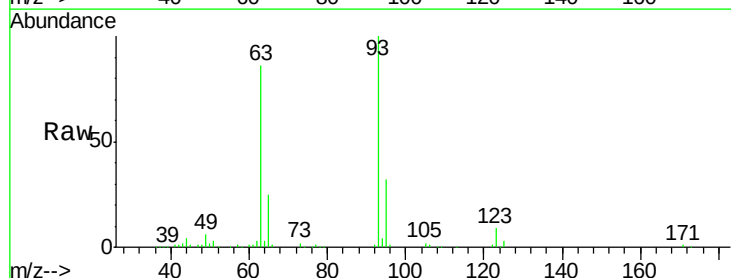


Abundance Ion 122.00 (121.70 to 122.70): E
 Ion 107.00 (106.70 to 107.70): E
 Ion 121.00 (120.70 to 121.70): E

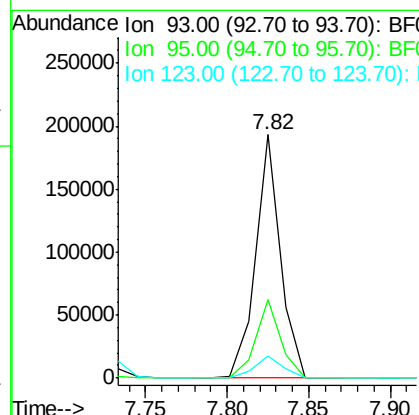
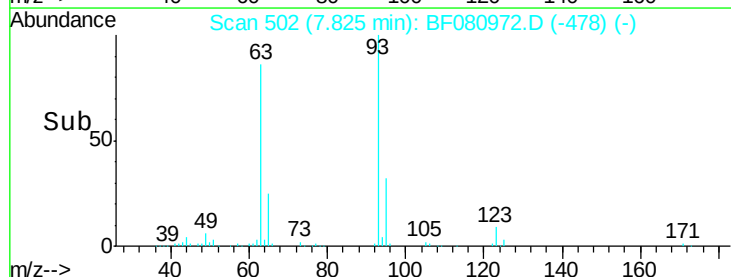


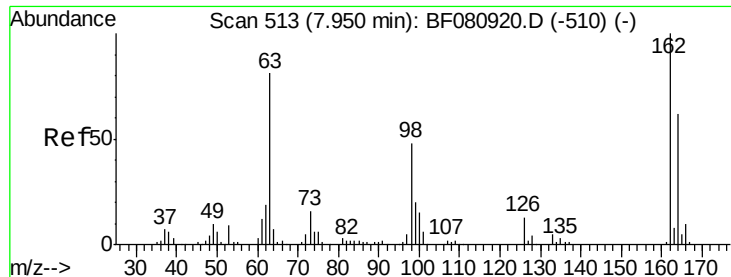
#28
 bis(2-Chloroethoxy)methane
 Concen: 26.08 ng
 RT: 7.82 min Scan# 502
 Delta R.T. -0.02 min
 Lab File: BF080972.D
 Acq: 11 Aug 2015 20:40

Tgt Ion	Ratio	Lower	Upper
93	100		
95	32.2	25.0	37.4
123	9.0	7.4	11.0



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

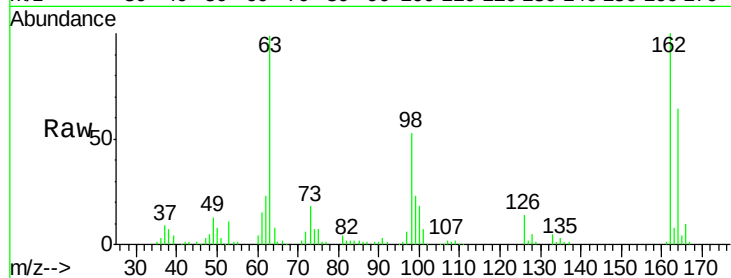




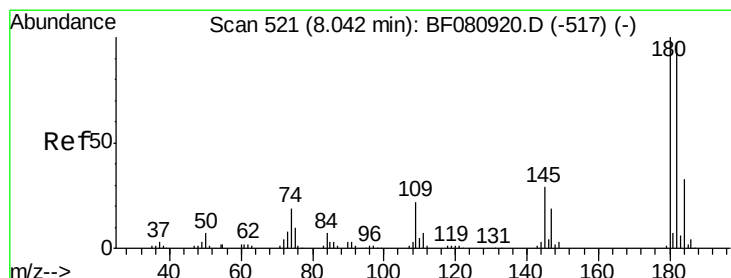
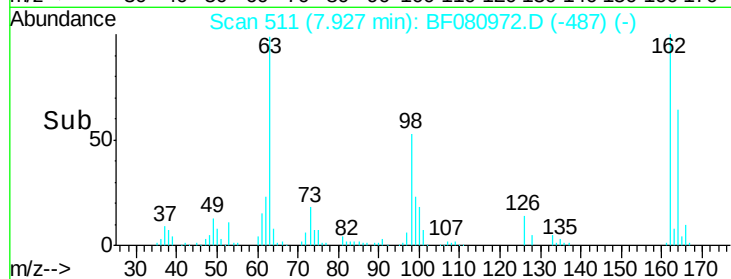
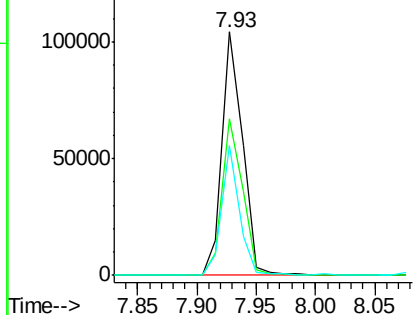
#29
 2,4-Dichlorophenol
 Concen: 27.71 ng
 RT: 7.93 min Scan# 511
 Delta R.T. -0.02 min
 Lab File: BF080972.D
 Acq: 11 Aug 2015 20:40

Instrument :
 BNA_F
 ClientSampled :
 SOIL-2MSD

Tot Ion	Ratio	Lower	Upper
162	100		
164	64.4	42.3	82.3
98	53.3	27.7	67.7

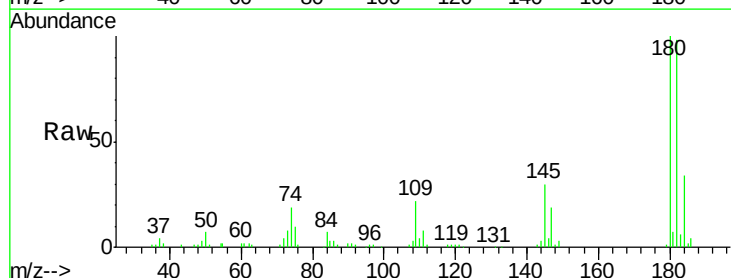


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF0

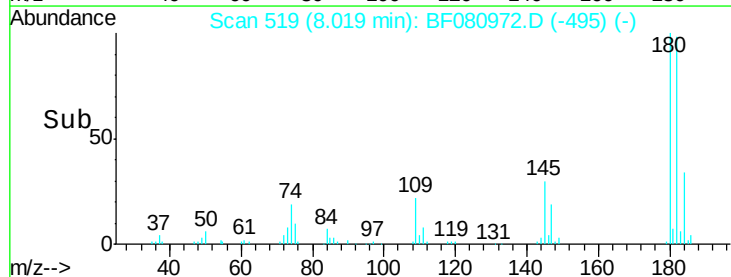
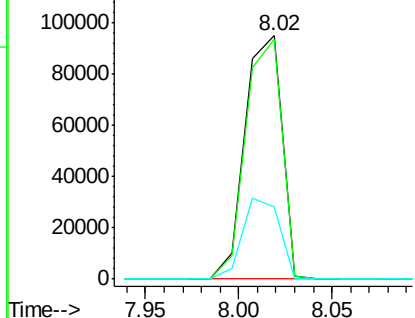


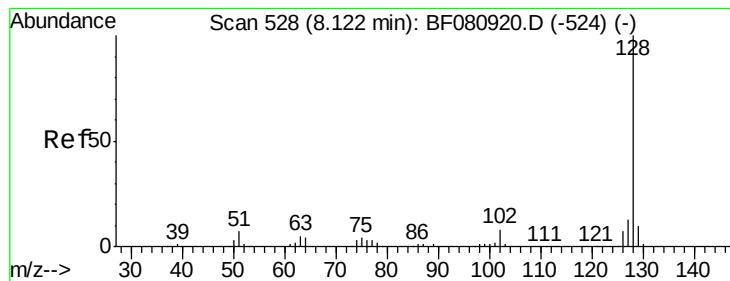
#30
 1,2,4-Trichlorobenzene
 Concen: 26.72 ng
 RT: 8.02 min Scan# 519
 Delta R.T. -0.02 min
 Lab File: BF080972.D
 Acq: 11 Aug 2015 20:40

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.3	77.4	116.0
145	29.6	23.2	34.8



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: 25.72 ng

RT: 8.09 min Scan# 525

Delta R.T. -0.03 min

Lab File: BF080972.D

Acq: 11 Aug 2015 20:40

Instrument :

BNA_F

ClientSampled :

SOIL-2MSD

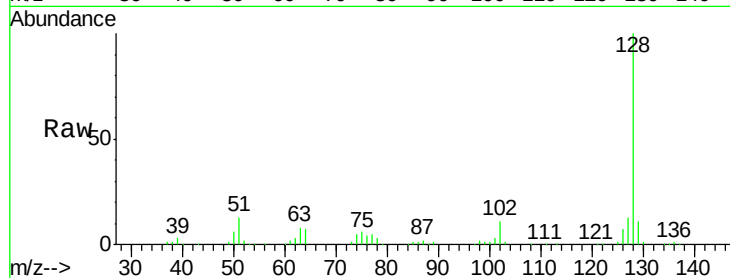
Tot Ion:128 Resp: 452745

Ion Ratio Lower Upper

128 100

129 11.3 8.4 12.6

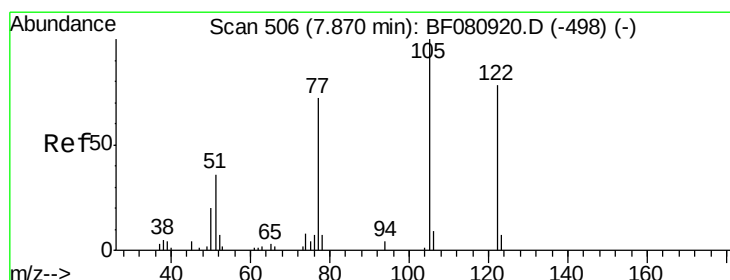
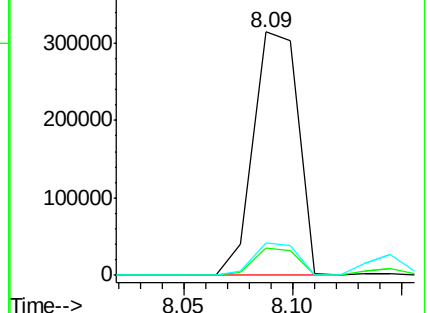
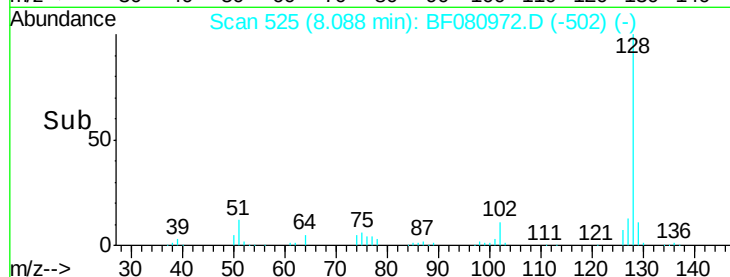
127 13.1 10.5 15.7



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 6.85 ng

RT: 7.81 min Scan# 501

Delta R.T. -0.06 min

Lab File: BF080972.D

Acq: 11 Aug 2015 20:40

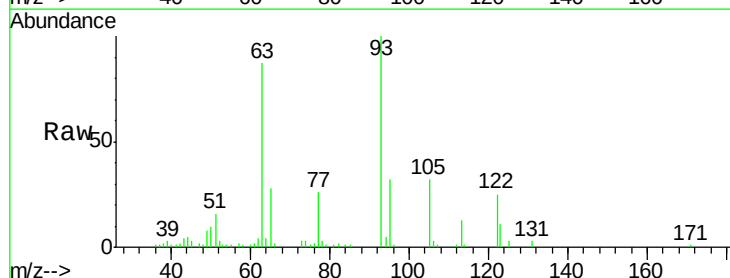
Tgt Ion:122 Resp: 22455

Ion Ratio Lower Upper

122 100

105 130.1 103.6 143.6

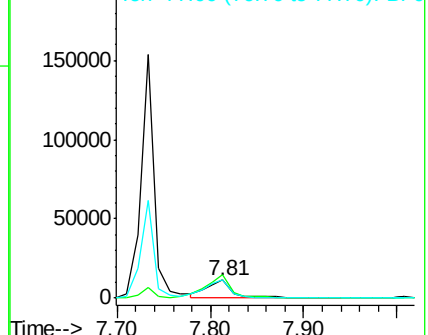
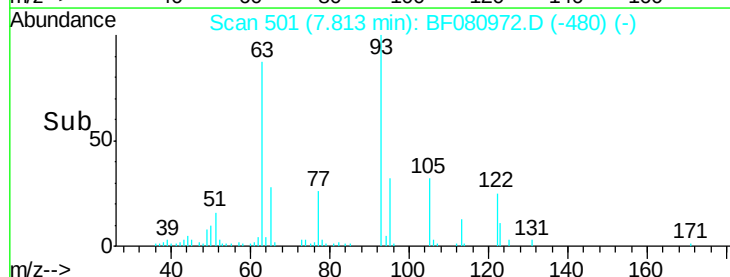
77 105.8 70.4 110.4

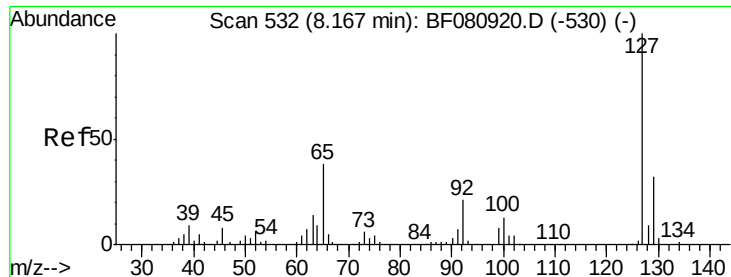


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

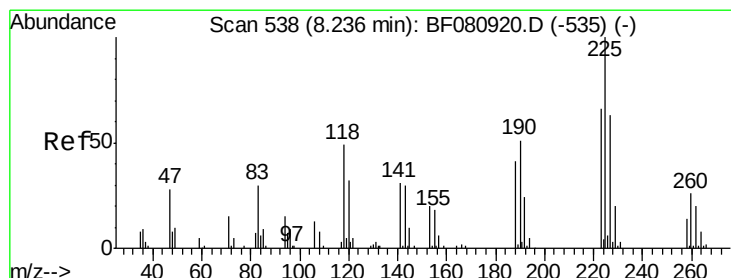
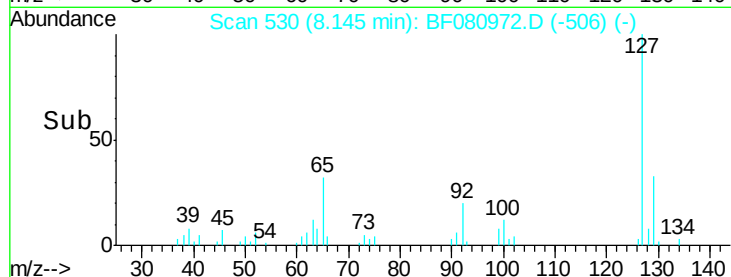
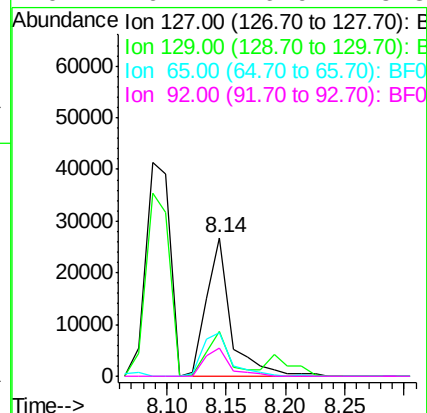
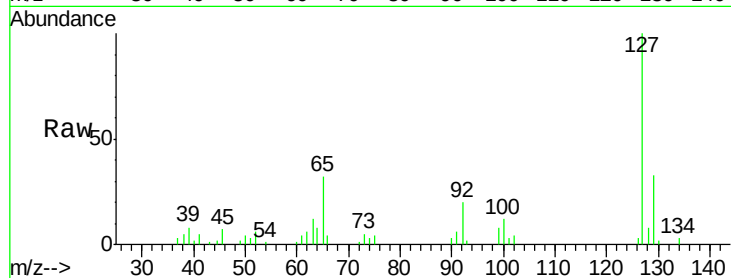




#33
4-Chloroaniline
Concen: 5.32 ng
RT: 8.14 min Scan# 530
Delta R.T. -0.02 min
Lab File: BF080972.D
Acq: 11 Aug 2015 20:40

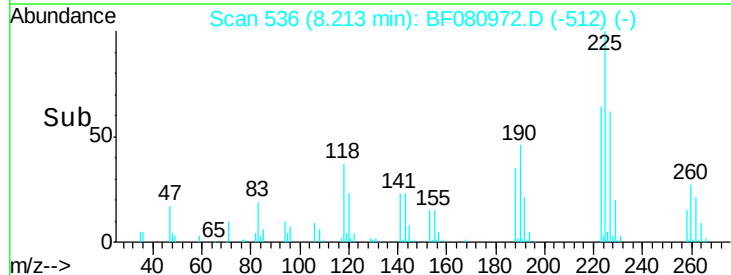
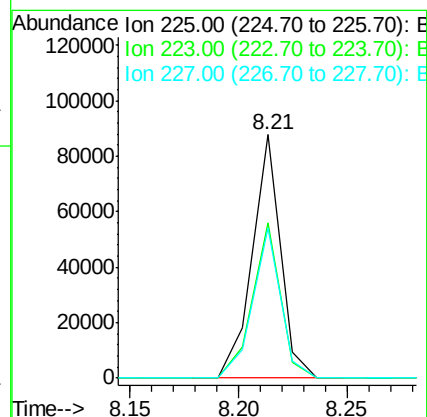
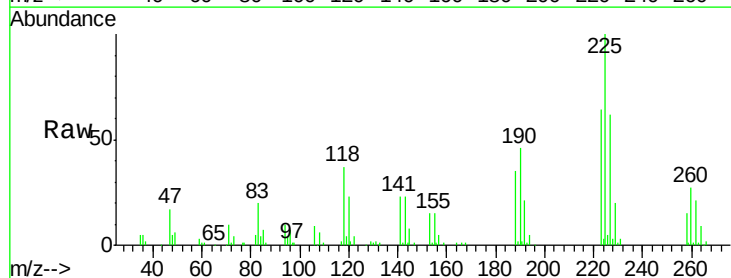
Instrument :
BNA_F
ClientSampleId :
SOIL-2MSD

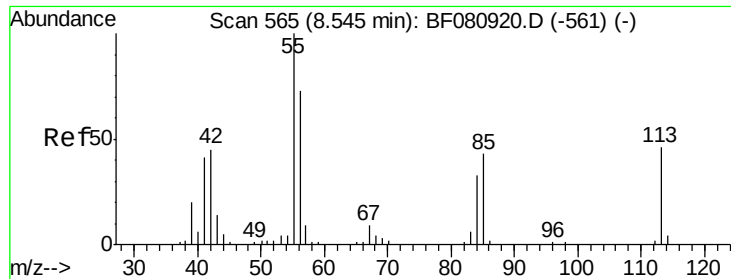
Tot Ion:127 Resp: 38043
Ion Ratio Lower Upper
127 100
129 32.5 25.9 38.9
65 31.5 30.6 45.8
92 20.1 16.9 25.3



#34
Hexachlorobutadiene
Concen: 27.07 ng
RT: 8.21 min Scan# 536
Delta R.T. -0.02 min
Lab File: BF080972.D
Acq: 11 Aug 2015 20:40

Tgt Ion:225 Resp: 79220
Ion Ratio Lower Upper
225 100
223 63.9 52.5 78.7
227 61.8 50.3 75.5





#35

Caprolactam

Concen: 16.19 ng

RT: 8.52 min Scan# 563

Delta R.T. -0.02 min

Lab File: BF080972.D

Acq: 11 Aug 2015 20:40

Instrument :

BNA_F

ClientSampleId :

SOIL-2MSD

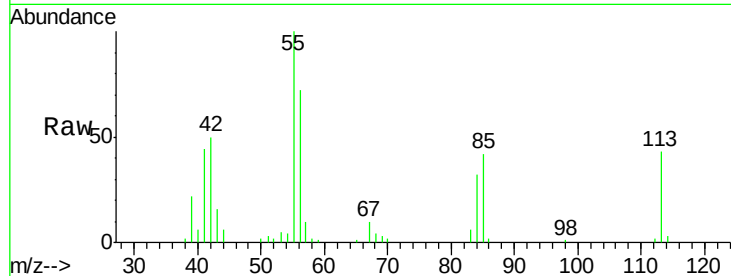
Tot Ion:113 Resp: 26201

Ion Ratio Lower Upper

113 100

55 232.2 196.4 236.4

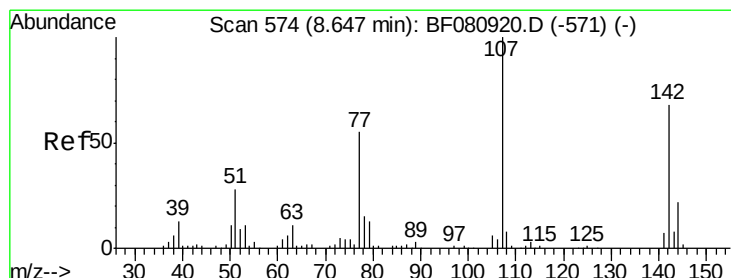
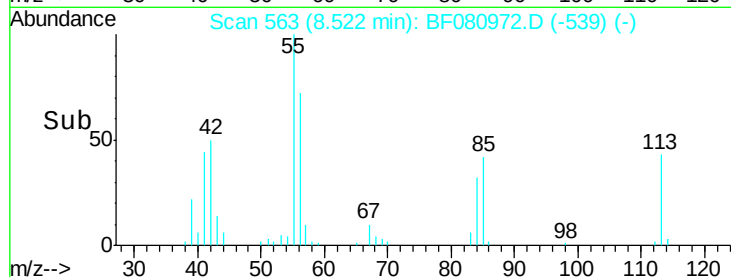
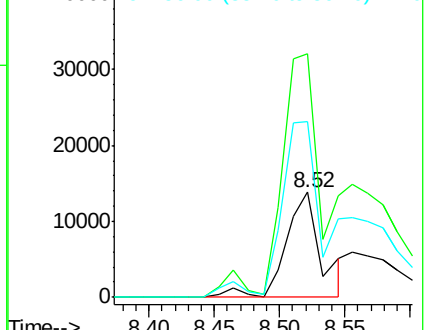
56 168.1 137.9 177.9



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0



#36

4-Chloro-3-methylphenol

Concen: 28.79 ng

RT: 8.64 min Scan# 573

Delta R.T. -0.01 min

Lab File: BF080972.D

Acq: 11 Aug 2015 20:40

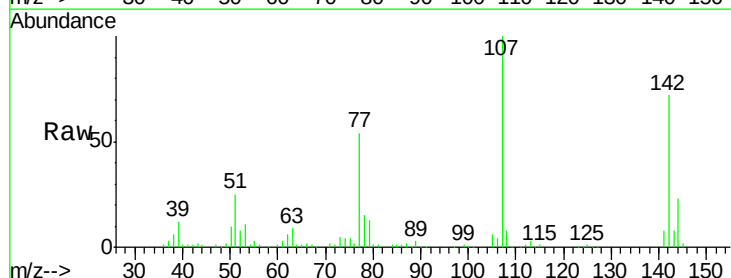
Tgt Ion:107 Resp: 158100

Ion Ratio Lower Upper

107 100

144 22.7 17.3 25.9

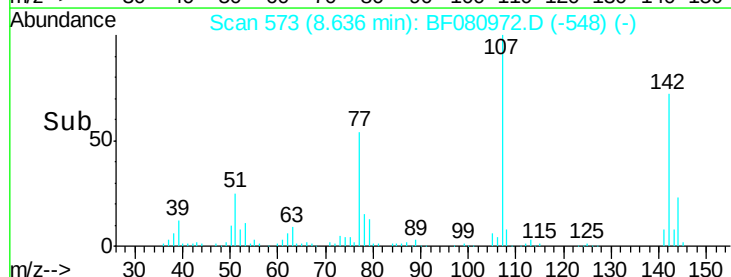
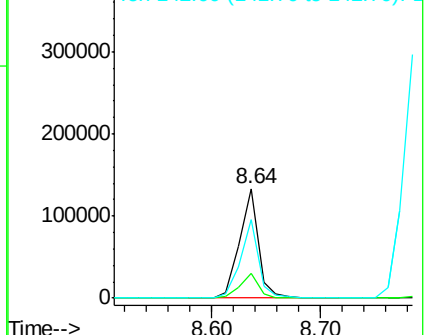
142 71.6 54.4 81.6

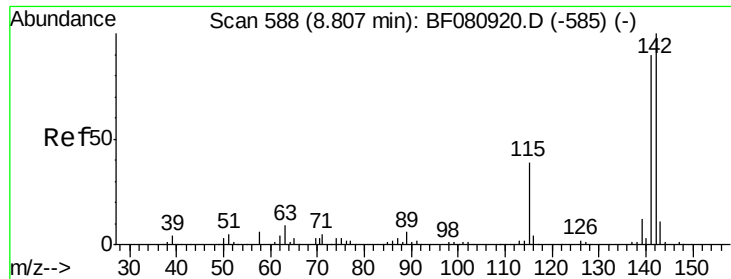


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

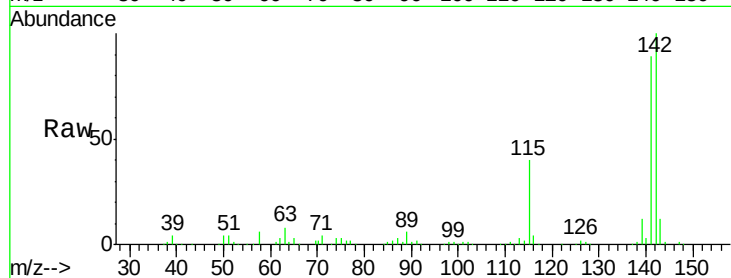




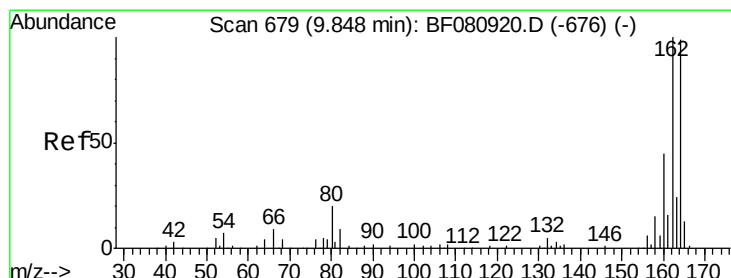
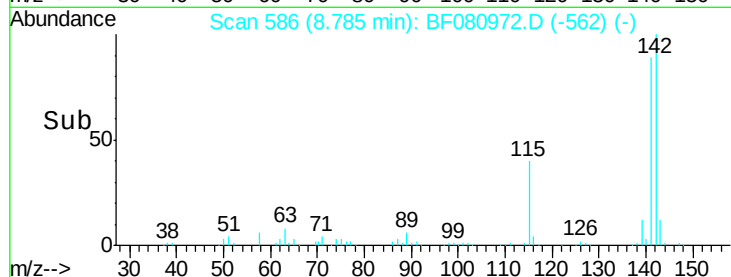
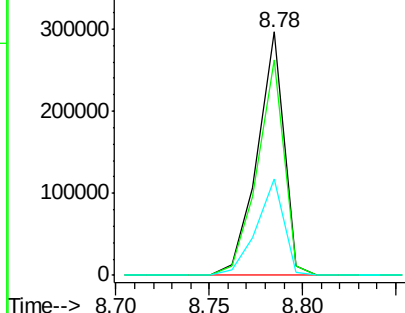
#37
 2-Methylnaphthalene
 Concen: 26.28 ng
 RT: 8.78 min Scan# 586
 Delta R.T. -0.02 min
 Lab File: BF080972.D
 Acq: 11 Aug 2015 20:40

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-2MSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.7	71.7	107.5
115	39.8	30.9	46.3

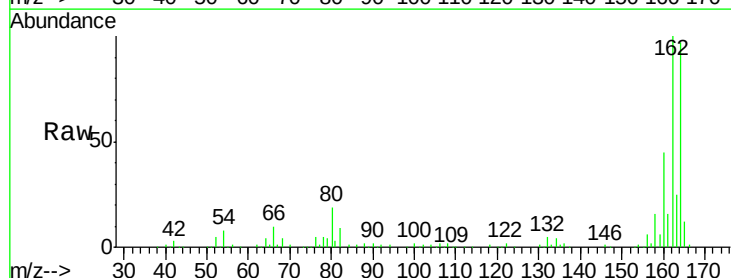


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

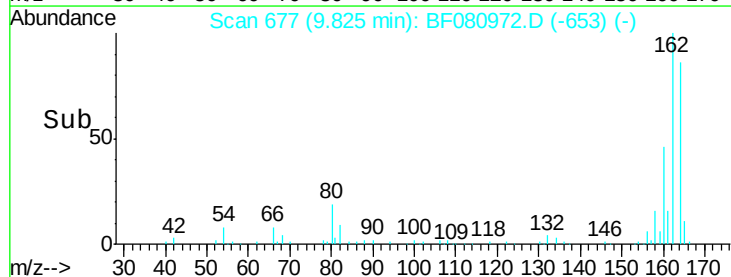
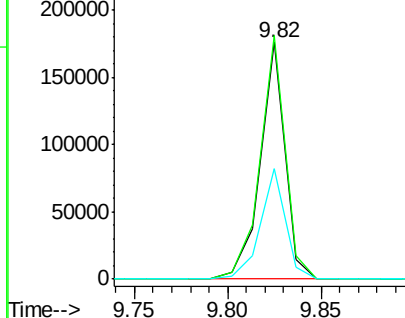


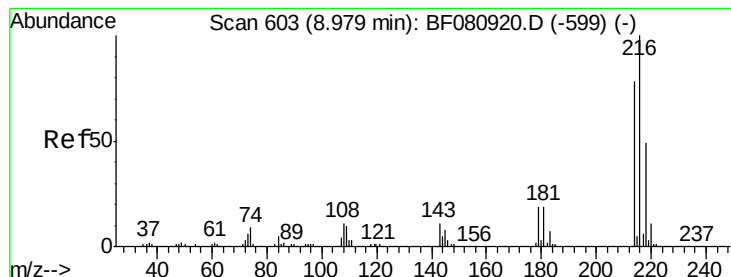
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.82 min Scan# 677
 Delta R.T. -0.02 min
 Lab File: BF080972.D
 Acq: 11 Aug 2015 20:40

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.7	80.5	120.7
160	46.4	36.6	54.8



Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E





#39

1,2,4,5-Tetrachlorobenzene

Concen: 31.34 ng

RT: 8.96 min Scan# 601

Delta R.T. -0.02 min

Lab File: BF080972.D

Acq: 11 Aug 2015 20:40

Instrument :

BNA_F

ClientSampleId :

SOIL-2MSD

Tot Ion:216 Resp: 154475

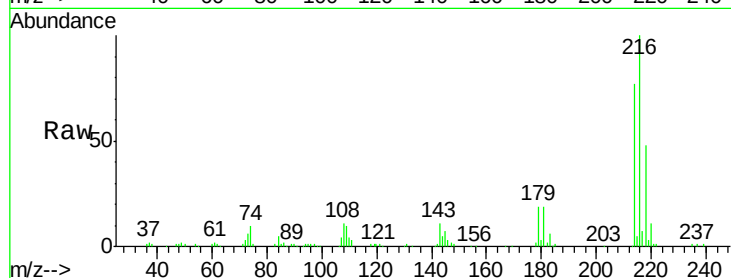
Ion Ratio Lower Upper

216 100

214 78.8 63.0 94.4

179 21.8 17.2 25.8

108 22.2 16.1 24.1

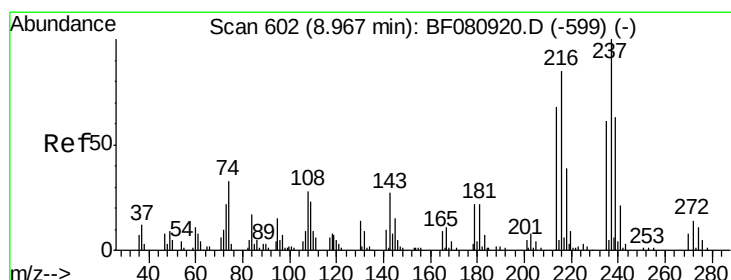
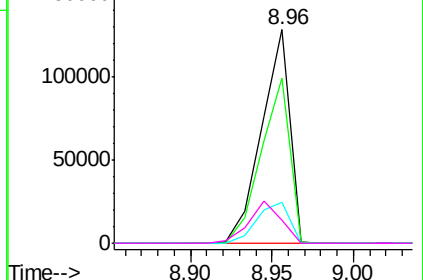
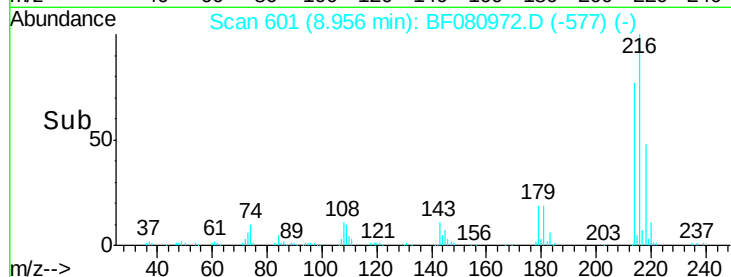


Abundance Ion 216.00 (215.70 to 216.70): E

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: 65.10 ng

RT: 8.94 min Scan# 600

Delta R.T. -0.02 min

Lab File: BF080972.D

Acq: 11 Aug 2015 20:40

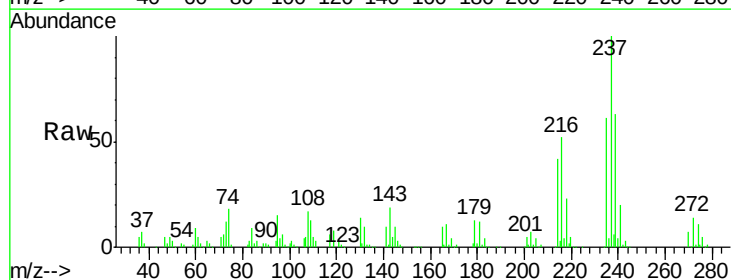
Tgt Ion:237 Resp: 175114

Ion Ratio Lower Upper

237 100

235 61.3 41.3 81.3

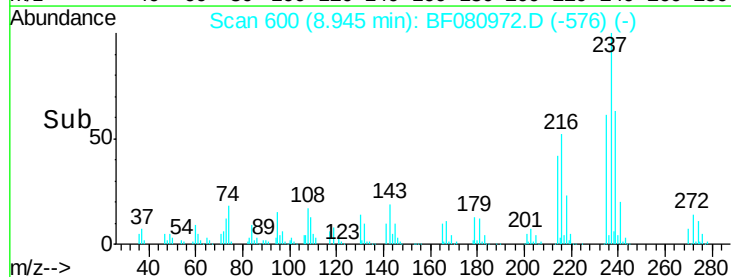
272 14.1 0.0 33.6



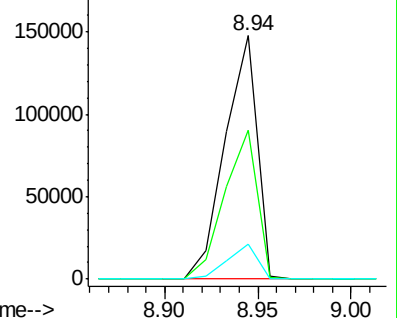
Abundance Ion 236.80 (236.50 to 237.50): E

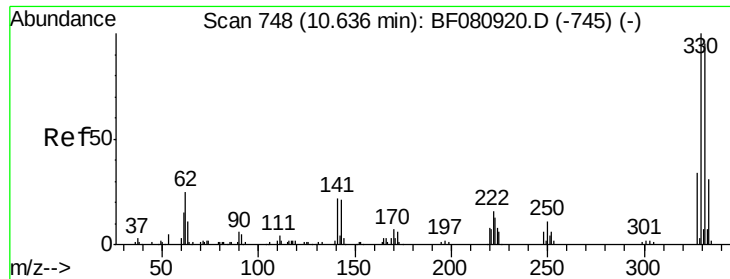
Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E



Time-->

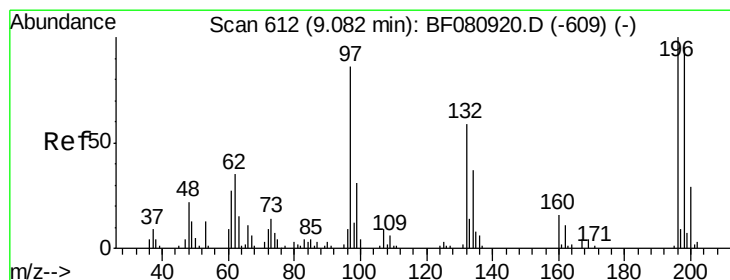
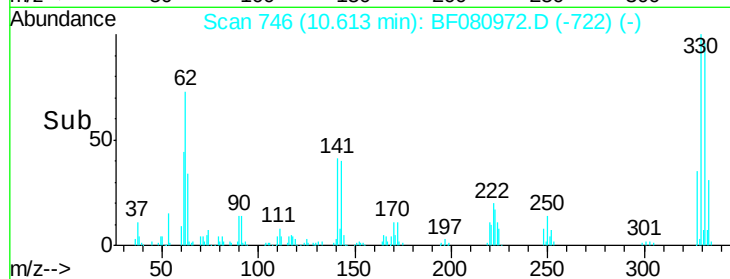
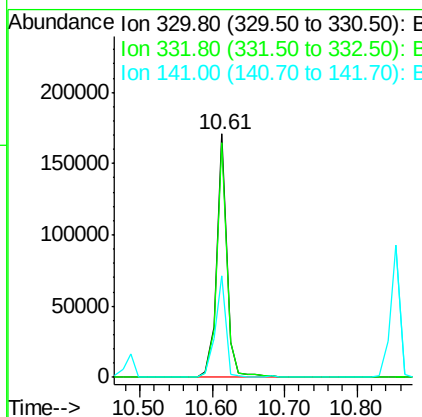
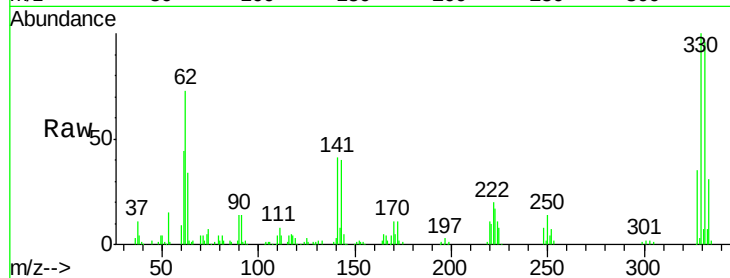




#41
 2,4,6-Tribromophenol
 Concen: 96.11 ng
 RT: 10.61 min Scan# 746
 Delta R.T. -0.02 min
 Lab File: BF080972.D
 Acq: 11 Aug 2015 20:40

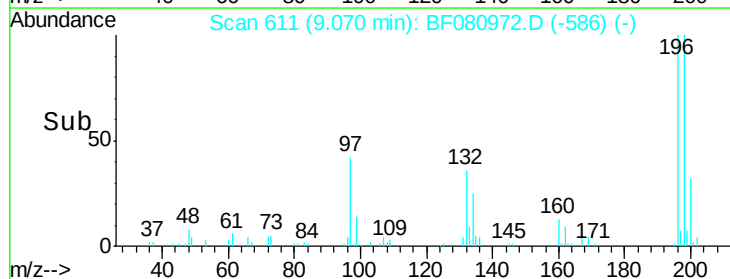
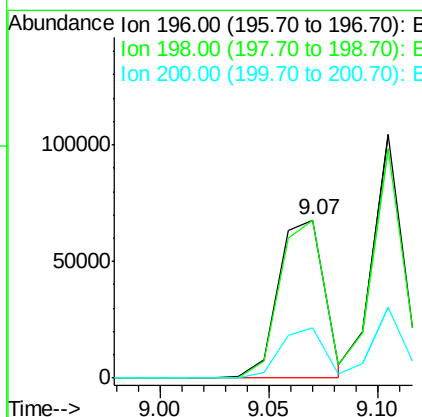
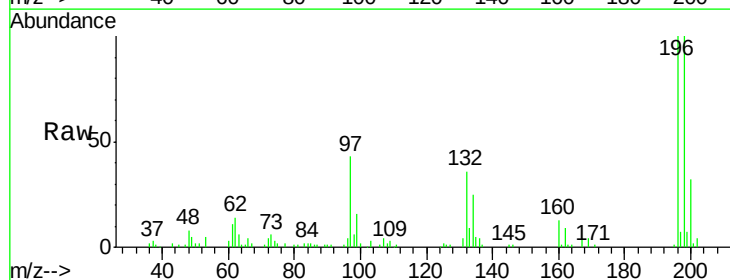
Instrument :
 BNA_F
 ClientSampleId :
 SOIL-2MSD

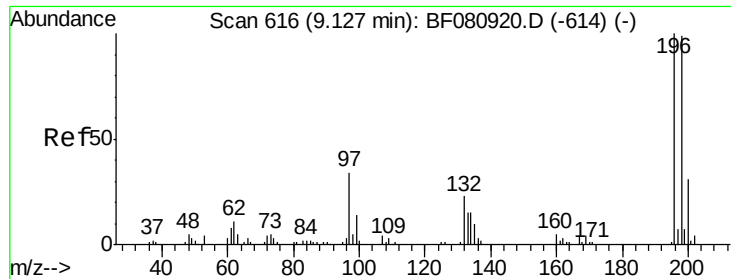
Tot Ion:330 Resp: 168830
 Ion Ratio Lower Upper
 330 100
 332 95.9 76.2 114.4
 141 43.5 27.8 41.8#



#42
 2,4,6-Trichlorophenol
 Concen: 27.43 ng
 RT: 9.07 min Scan# 611
 Delta R.T. -0.01 min
 Lab File: BF080972.D
 Acq: 11 Aug 2015 20:40

Tgt Ion:196 Resp: 99099
 Ion Ratio Lower Upper
 196 100
 198 100.0 75.9 113.9
 200 31.5 23.1 34.7

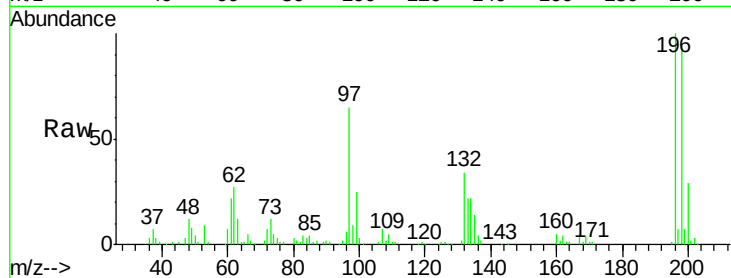




#43
 2,4,5-Trichlorophenol
 Concen: 29.48 ng
 RT: 9.10 min Scan# 614
 Delta R.T. -0.02 min
 Lab File: BF080972.D
 Acq: 11 Aug 2015 20:40

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-2MSD

Tot Ion	Ratio	Lower	Upper
196	100		
198	94.3	78.9	118.3
97	65.3	29.1	43.7#
132	34.3	19.1	28.7#



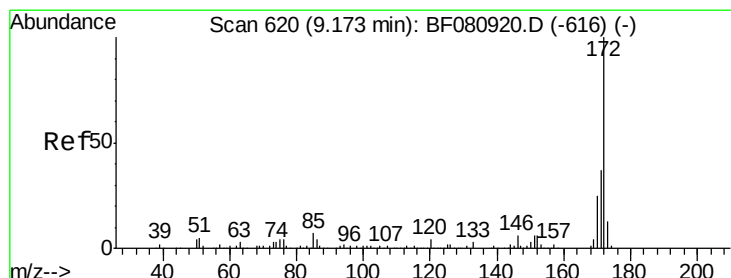
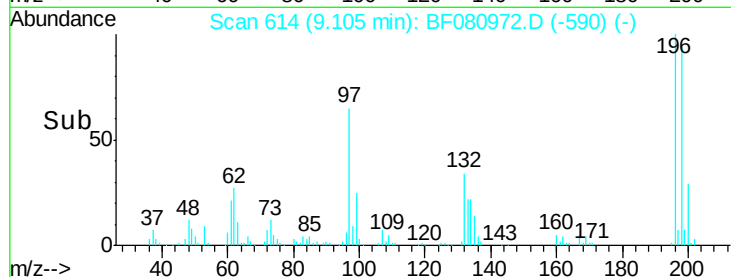
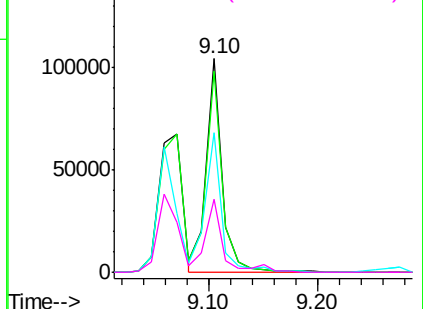
Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

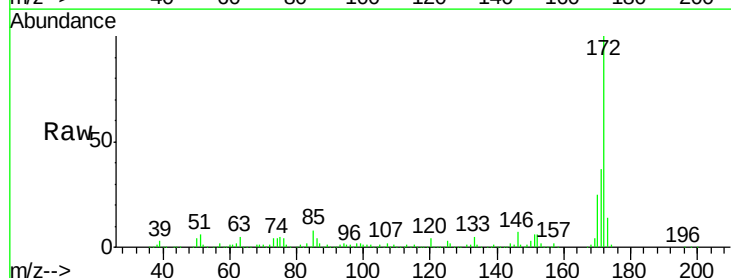
Ion 97.00 (96.70 to 97.70): BF0

Ion 132.00 (131.70 to 132.70): E



#44
 2-Fluorobiphenyl
 Concen: 66.24 ng
 RT: 9.15 min Scan# 618
 Delta R.T. -0.02 min
 Lab File: BF080972.D
 Acq: 11 Aug 2015 20:40

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.7	29.4	44.0
170	24.9	19.7	29.5

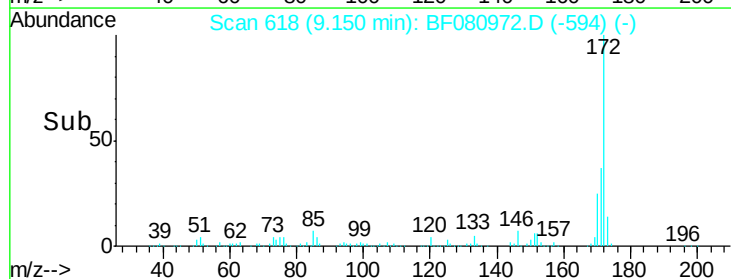
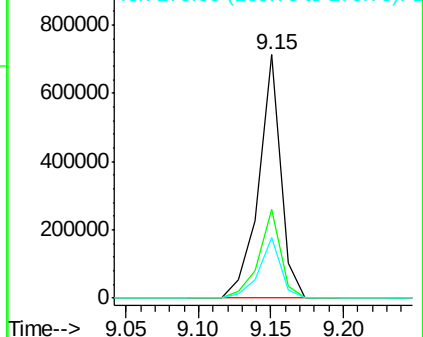


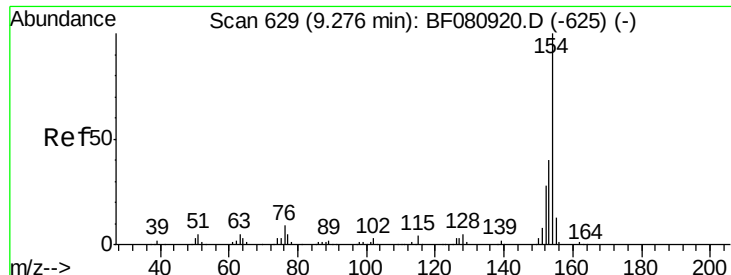
Abundance

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: 39.25 ng

RT: 9.25 min Scan# 627

Delta R.T. -0.02 min

Lab File: BF080972.D

Acq: 11 Aug 2015 20:40

Instrument :

BNA_F

ClientSampleId :

SOIL-2MSD

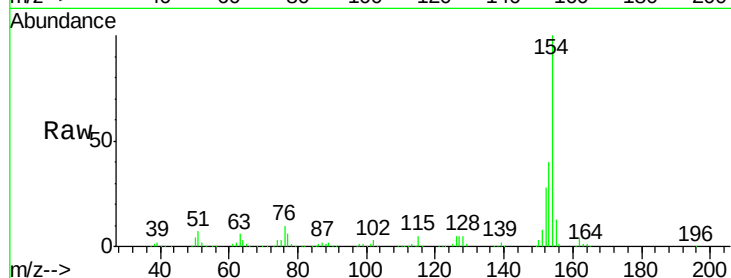
Tot Ion:154 Resp: 538675

Ion Ratio Lower Upper

154 100

153 39.8 20.1 60.1

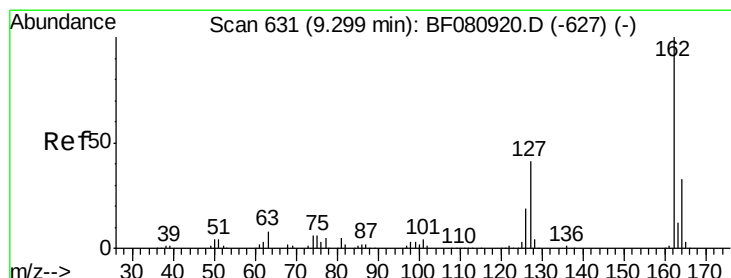
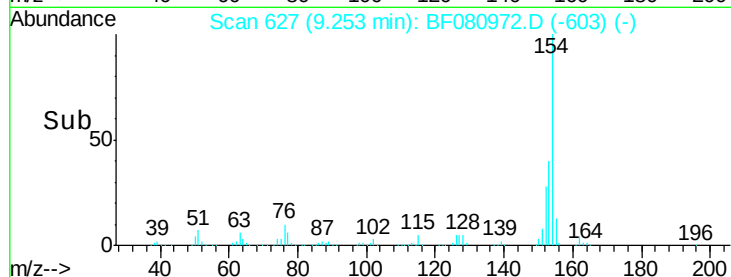
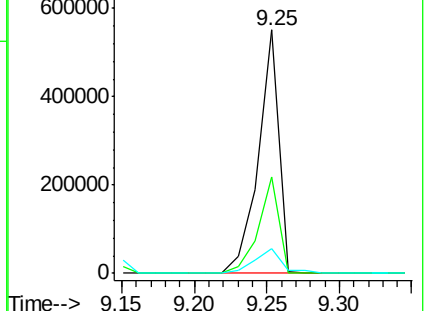
76 10.4 0.0 29.3



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): E



#46

2-Chloronaphthalene

Concen: 28.88 ng

RT: 9.28 min Scan# 629

Delta R.T. -0.02 min

Lab File: BF080972.D

Acq: 11 Aug 2015 20:40

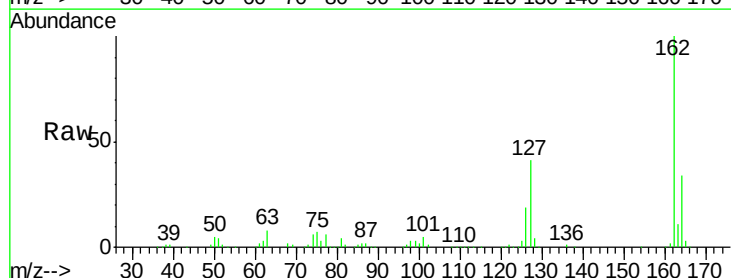
Tgt Ion:162 Resp: 309033

Ion Ratio Lower Upper

162 100

127 40.9 32.5 48.7

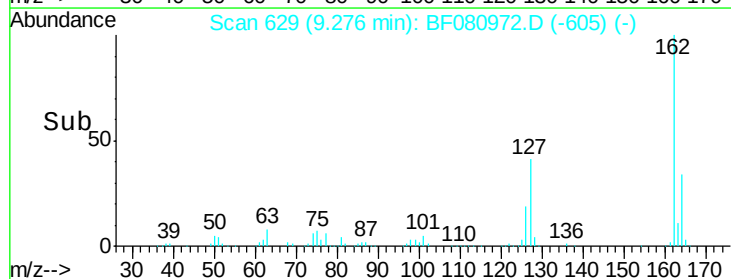
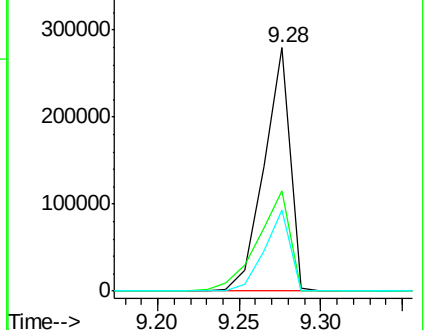
164 33.5 26.2 39.4

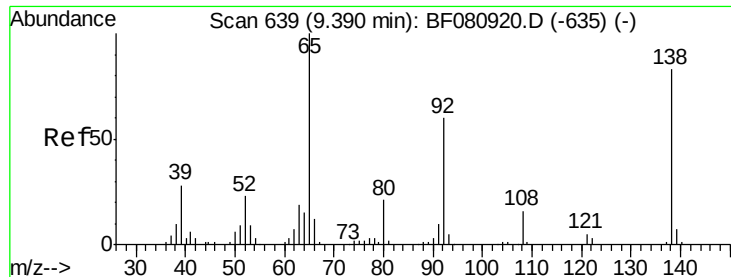


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E





#47

2-Nitroaniline

Concen: 28.56 ng

RT: 9.37 min Scan# 637

Delta R.T. -0.02 min

Lab File: BF080972.D

Acq: 11 Aug 2015 20:40

Instrument :

BNA_F

ClientSampleId :

SOIL-2MSD

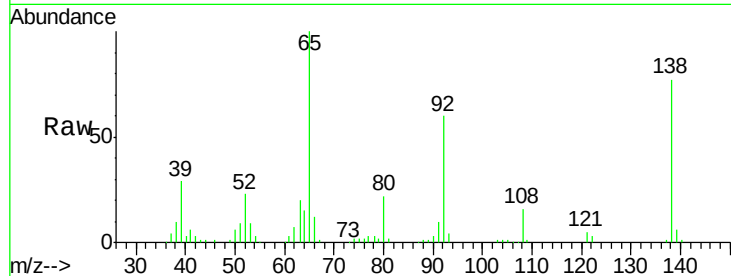
Tot Ion: 65 Resp: 122504

Ion Ratio Lower Upper

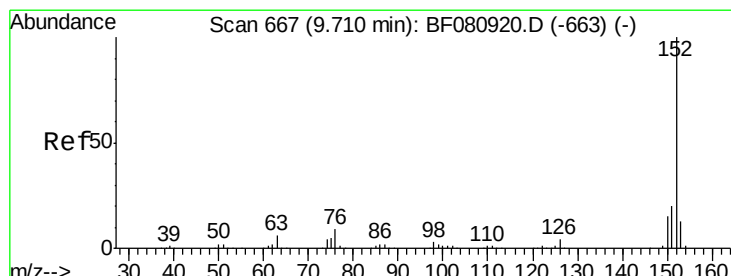
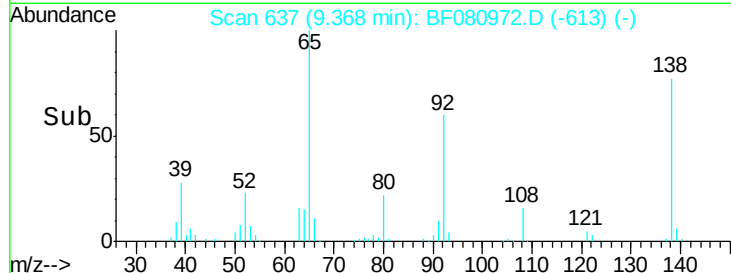
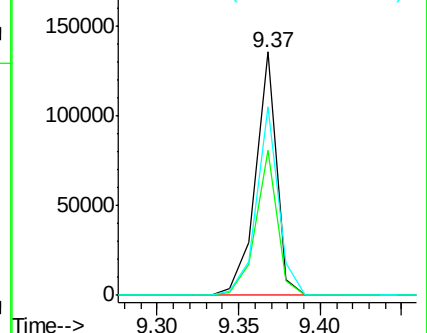
65 100

92 59.7 48.0 72.0

138 77.2 66.1 99.1



Abundance Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0
Ion 138.00 (137.70 to 138.70): BF0



#48

Acenaphthylene

Concen: 28.17 ng

RT: 9.69 min Scan# 665

Delta R.T. -0.02 min

Lab File: BF080972.D

Acq: 11 Aug 2015 20:40

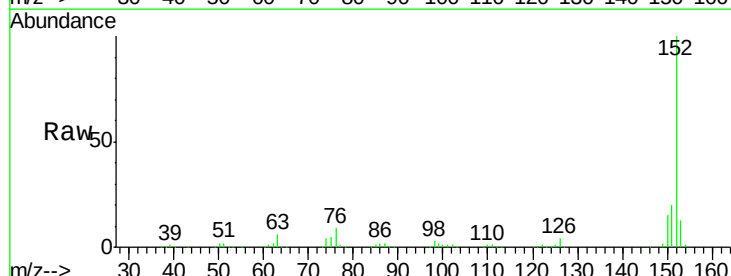
Tgt Ion: 152 Resp: 523927

Ion Ratio Lower Upper

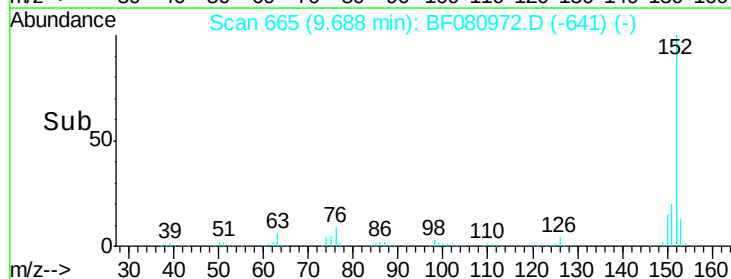
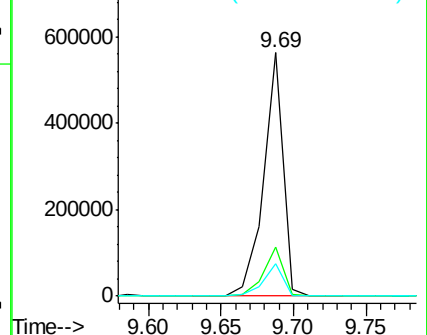
152 100

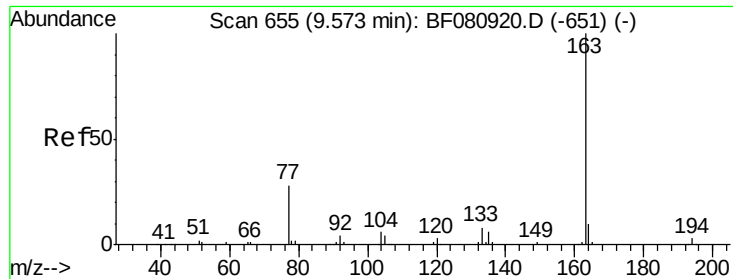
151 20.3 16.3 24.5

153 13.3 10.5 15.7



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E

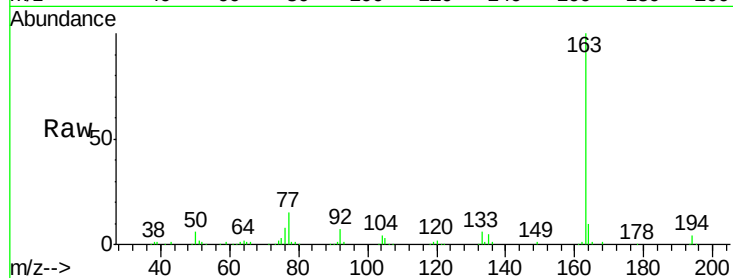




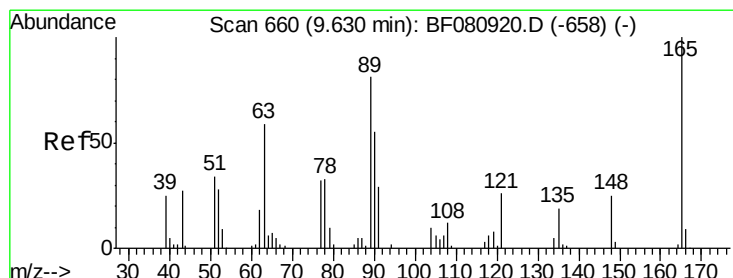
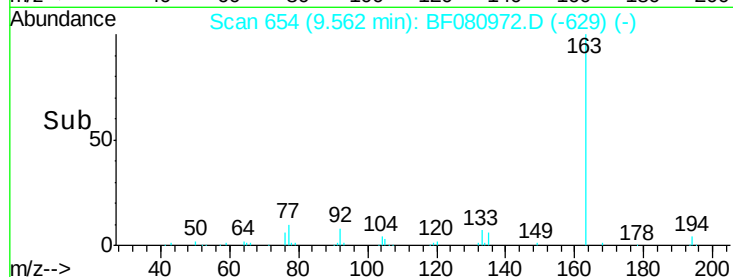
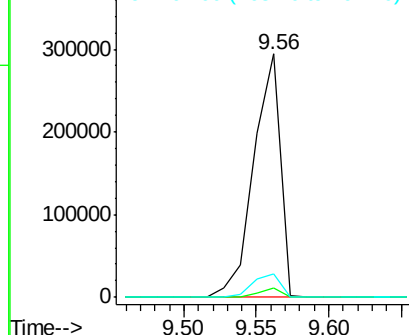
#49
Dimethylphthalate
Concen: 28.17 ng
RT: 9.56 min Scan# 654
Delta R.T. -0.01 min
Lab File: BF080972.D
Acq: 11 Aug 2015 20:40

Instrument :
BNA_F
ClientSampleId :
SOIL-2MSD

Tot Ion:163 Resp: 374208
Ion Ratio Lower Upper
163 100
194 3.8 2.4 3.6#
164 9.6 8.2 12.4

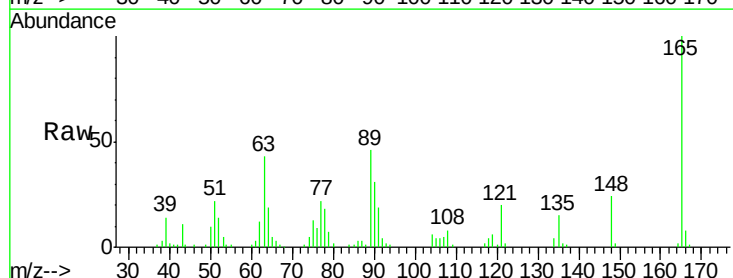


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

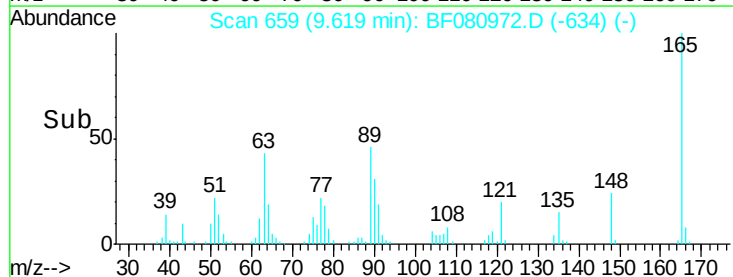
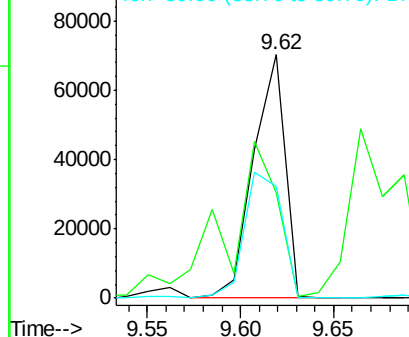


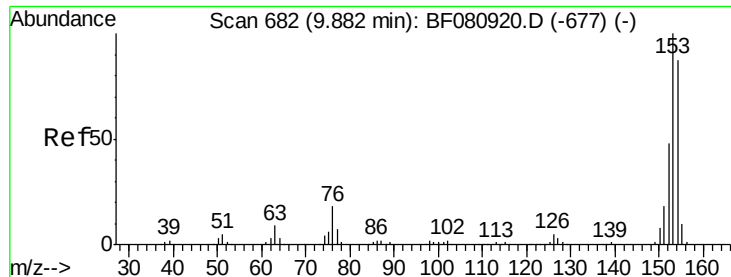
#50
2,6-Dinitrotoluene
Concen: 29.98 ng
RT: 9.62 min Scan# 659
Delta R.T. -0.01 min
Lab File: BF080972.D
Acq: 11 Aug 2015 20:40

Tgt Ion:165 Resp: 82280
Ion Ratio Lower Upper
165 100
63 43.5 77.6 116.4#
89 45.8 64.5 96.7#



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: 28.64 ng

RT: 9.86 min Scan# 680

Delta R.T. -0.02 min

Lab File: BF080972.D

Acq: 11 Aug 2015 20:40

Instrument :

BNA_F

ClientSampleId :

SOIL-2MSD

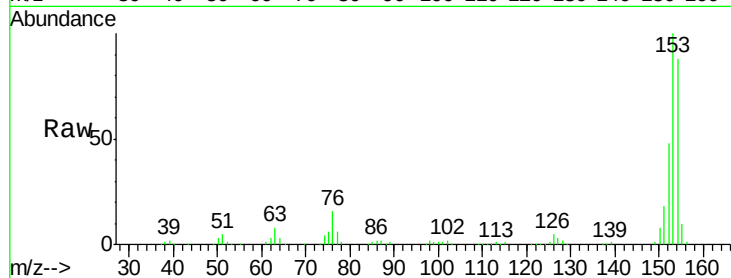
Tot Ion:154 Resp: 326241

Ion Ratio Lower Upper

154 100

153 113.4 91.4 137.2

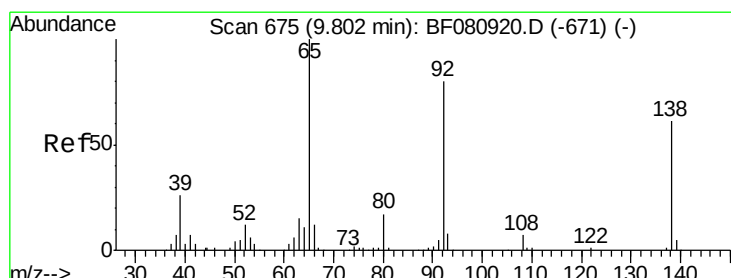
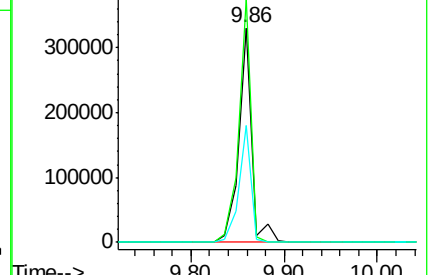
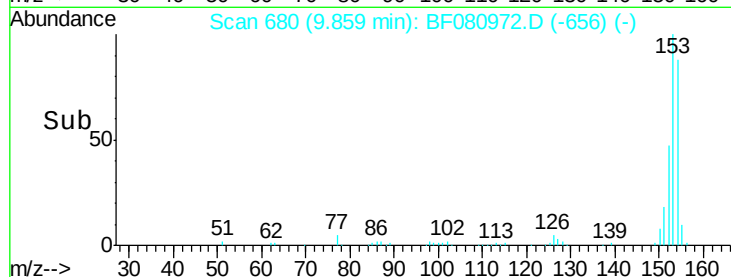
152 54.5 44.2 66.4



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: 9.50 ng

RT: 9.78 min Scan# 673

Delta R.T. -0.02 min

Lab File: BF080972.D

Acq: 11 Aug 2015 20:40

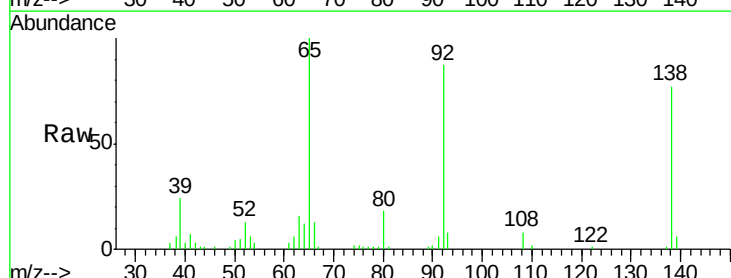
Tgt Ion:138 Resp: 32148

Ion Ratio Lower Upper

138 100

108 10.2 8.7 13.1

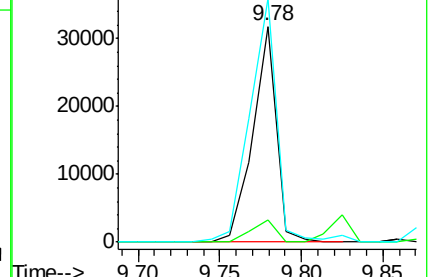
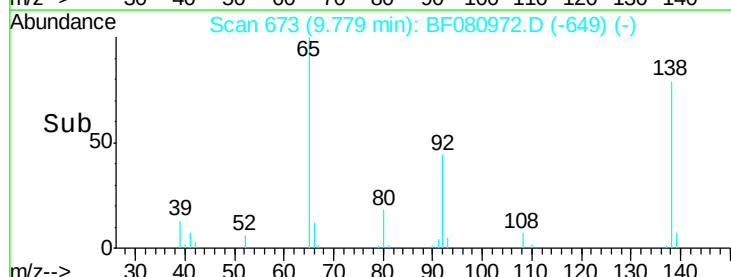
92 112.7 104.4 156.6

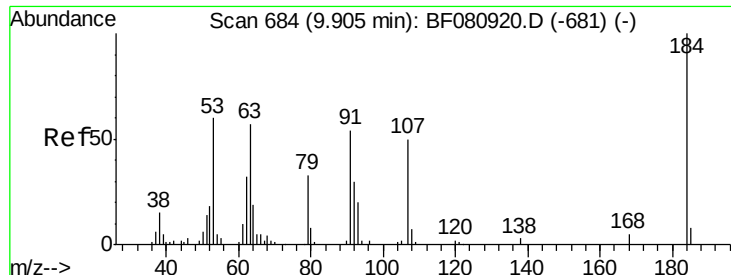


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

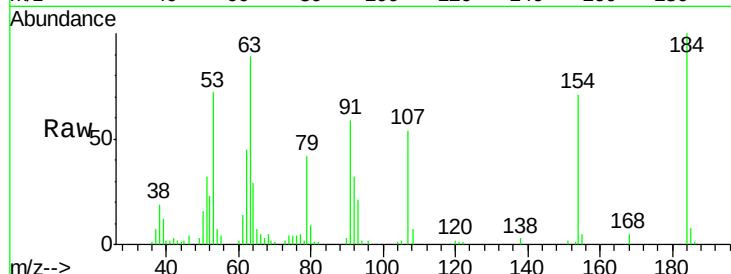




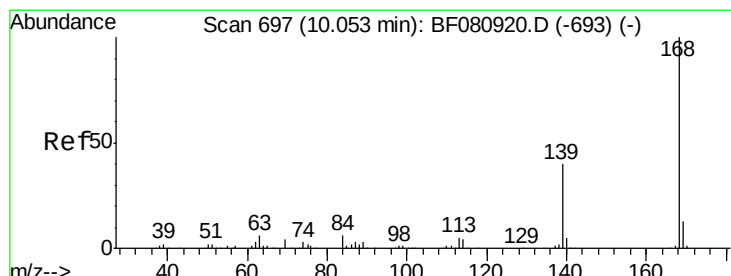
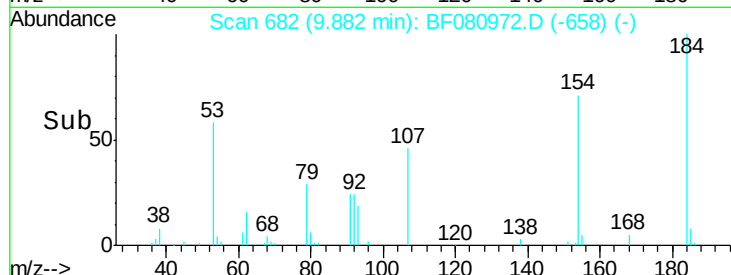
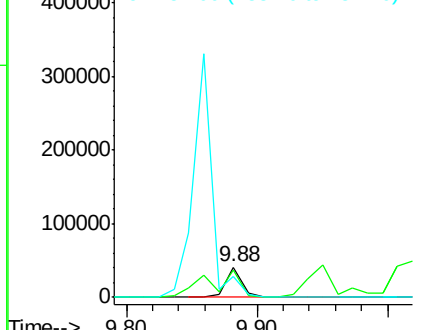
#53
 2,4-Dinitrophenol
 Concen: 26.20 ng
 RT: 9.88 min Scan# 682
 Delta R.T. -0.02 min
 Lab File: BF080972.D
 Acq: 11 Aug 2015 20:40

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-2MSD

Tot Ion:184 Resp: 36228
 Ion Ratio Lower Upper
 184 100
 63 89.2 59.7 89.5
 154 70.7 53.8 80.8

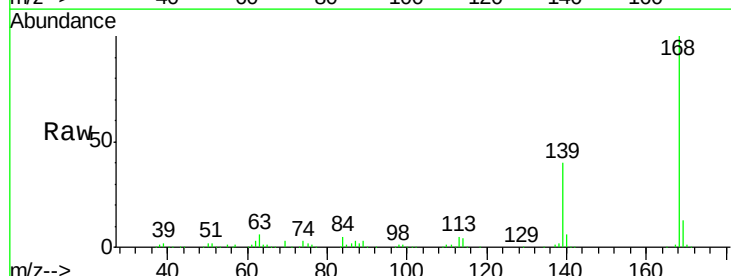


Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 154.00 (153.70 to 154.70): E

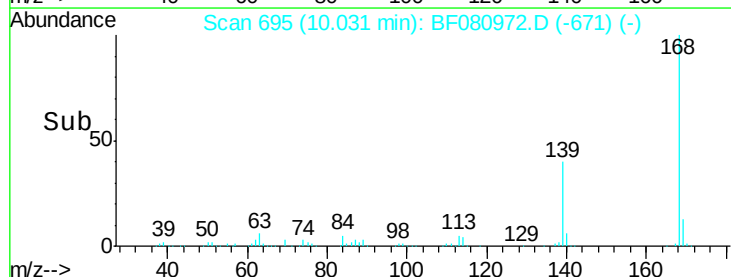
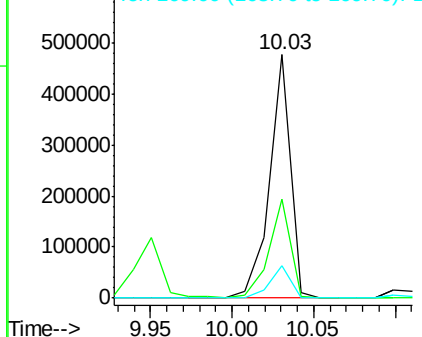


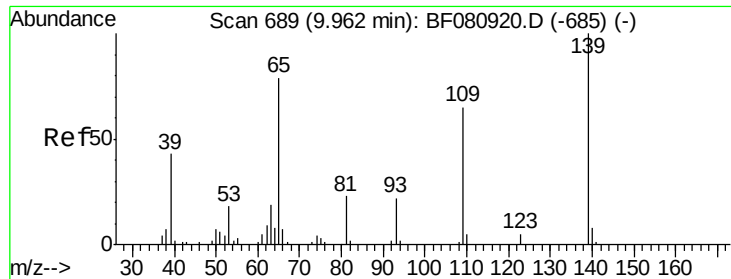
#54
 Dibenzofuran
 Concen: 27.74 ng
 RT: 10.03 min Scan# 695
 Delta R.T. -0.02 min
 Lab File: BF080972.D
 Acq: 11 Aug 2015 20:40

Tgt Ion:168 Resp: 427273
 Ion Ratio Lower Upper
 168 100
 139 40.4 31.9 47.9
 169 13.2 10.6 15.8



Abundance Ion 168.00 (167.70 to 168.70): E
 Ion 139.00 (138.70 to 139.70): E
 Ion 169.00 (168.70 to 169.70): E





#55

4-Nitrophenol

Concen: 53.92 ng

RT: 9.95 min Scan# 688

Delta R.T. -0.01 min

Lab File: BF080972.D

Acq: 11 Aug 2015 20:40

Instrument :

BNA_F

ClientSampleId :

SOIL-2MSD

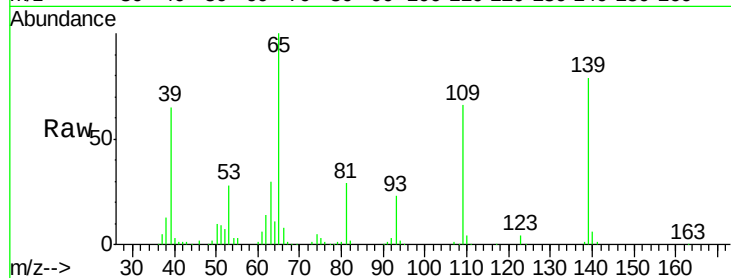
Tot Ion:139 Resp: 136536

Ion Ratio Lower Upper

139 100

109 83.1 44.7 84.7

65 126.5 59.5 99.5#

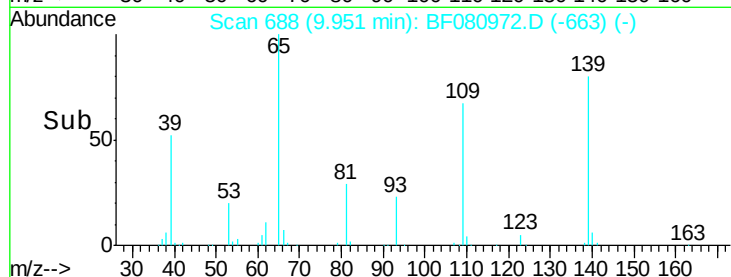


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

Time-->

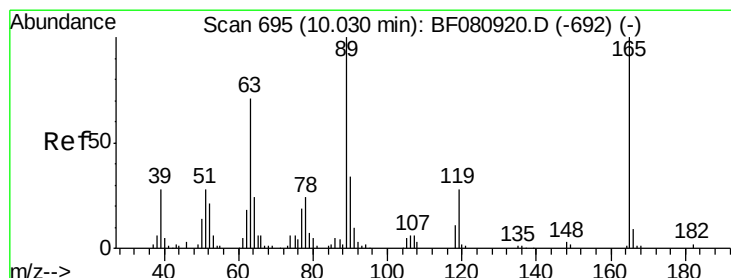


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

Time-->



#56

2,4-Dinitrotoluene

Concen: 29.49 ng

RT: 10.02 min Scan# 694

Delta R.T. -0.01 min

Lab File: BF080972.D

Acq: 11 Aug 2015 20:40

Tgt Ion:165 Resp: 108279

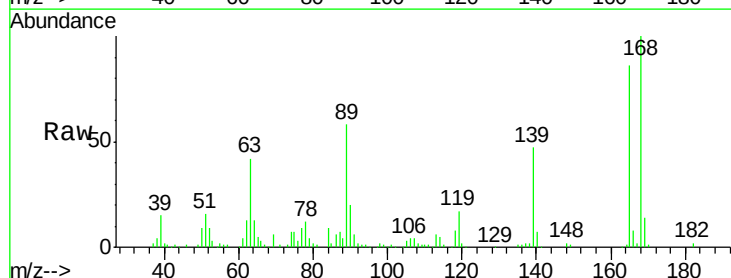
Ion Ratio Lower Upper

165 100

63 48.6 56.7 85.1#

89 67.6 80.4 120.6#

182 2.2 1.5 2.3



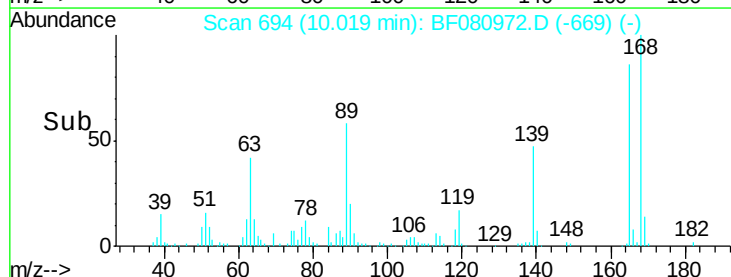
Abundance Ion 165.00 (164.70 to 165.70): E

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

Time-->



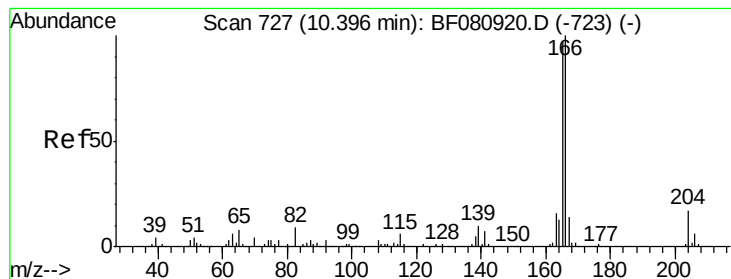
Abundance Ion 165.00 (164.70 to 165.70): E

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

Time-->



#57

Fluorene

Concen: 28.12 ng

RT: 10.37 min Scan# 725

Delta R.T. -0.02 min

Lab File: BF080972.D

Acq: 11 Aug 2015 20:40

Instrument :

BNA_F

ClientSampleId :

SOIL-2MSD

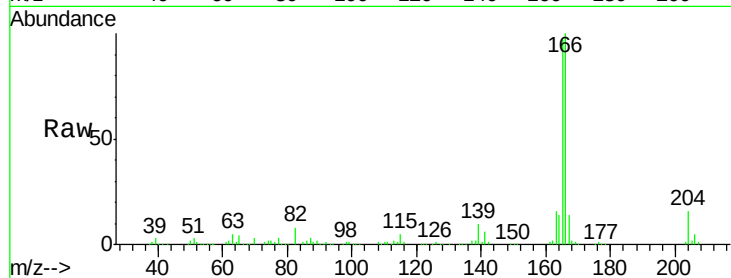
Tot Ion:166 Resp: 335062

Ion Ratio Lower Upper

166 100

165 96.8 77.2 115.8

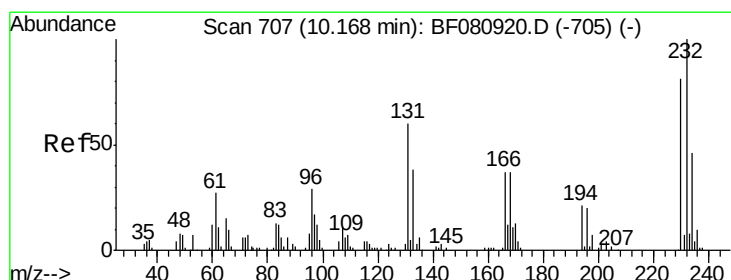
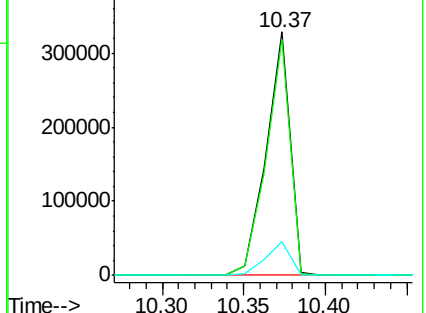
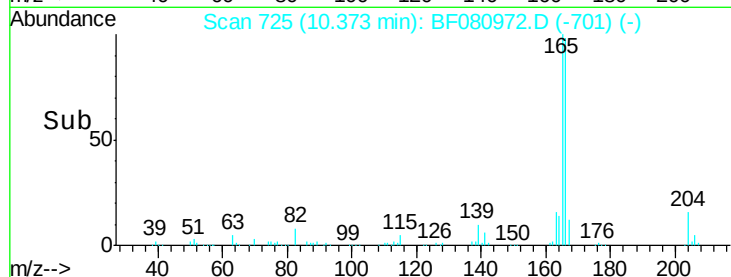
167 13.6 10.8 16.2



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: 25.66 ng

RT: 10.11 min Scan# 702

Delta R.T. -0.06 min

Lab File: BF080972.D

Acq: 11 Aug 2015 20:40

Tgt Ion:232 Resp: 73926

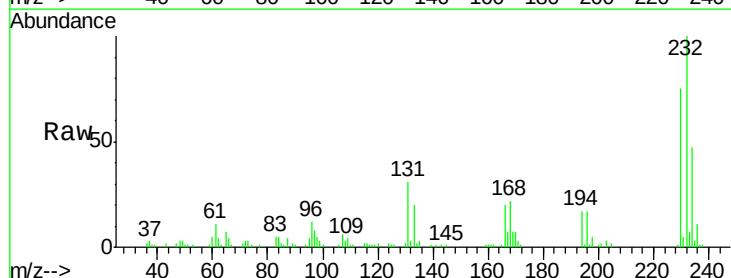
Ion Ratio Lower Upper

232 100

131 49.6 39.4 59.2

130 2.8 2.1 3.1

166 27.3 21.7 32.5

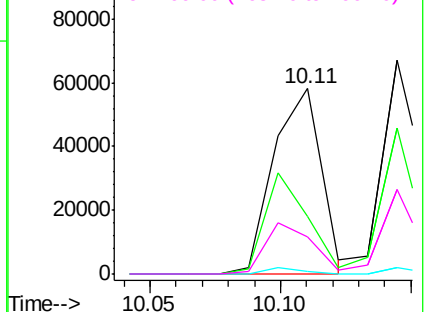
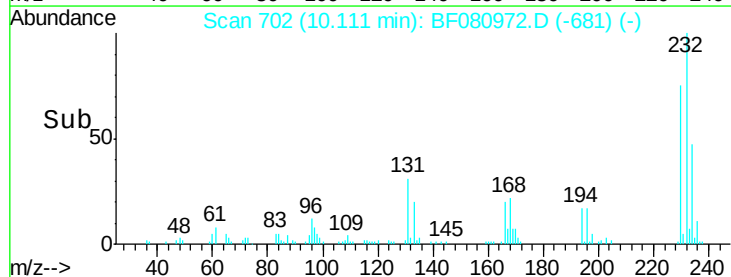


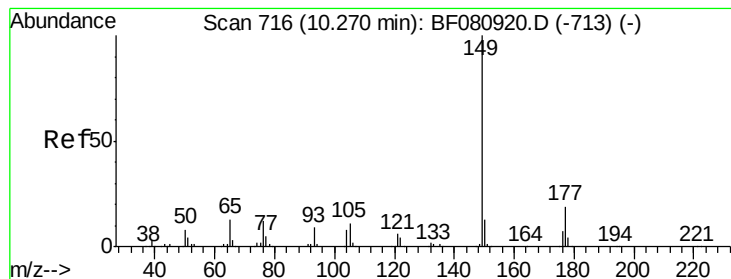
Abundance Ion 232.00 (231.70 to 232.70): E

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: 28.44 ng

RT: 10.26 min Scan# 715

Delta R.T. -0.01 min

Lab File: BF080972.D

Acq: 11 Aug 2015 20:40

Instrument :

BNA_F

ClientSampleId :

SOIL-2MSD

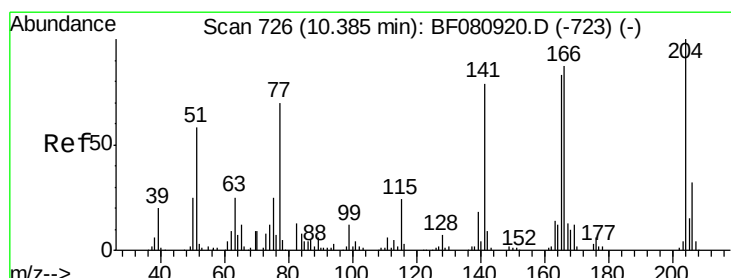
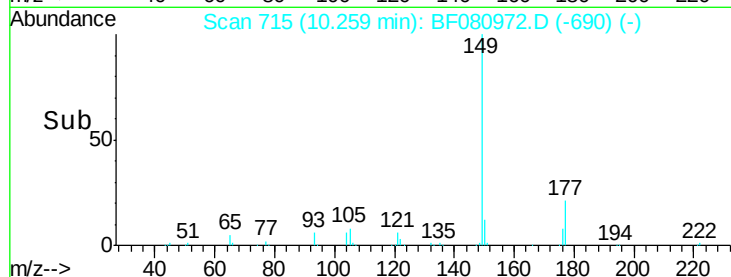
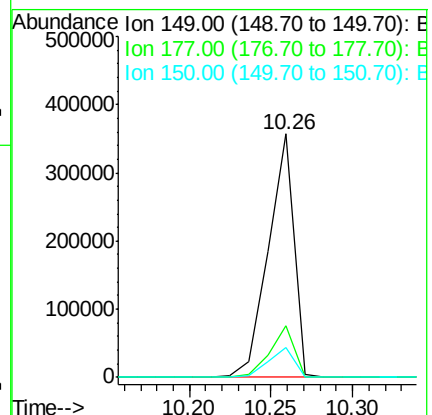
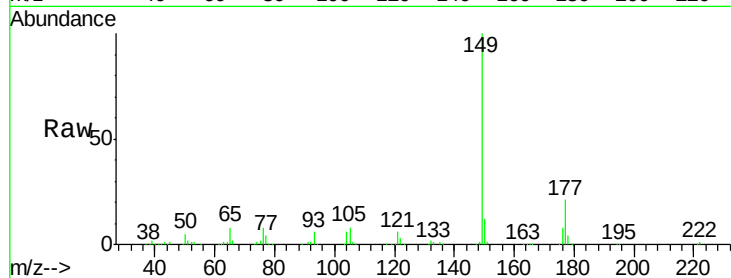
Tot Ion:149 Resp: 393243

Ion Ratio Lower Upper

149 100

177 21.1 15.0 22.4

150 12.1 10.4 15.6



#60

4-Chlorophenyl-phenylether

Concen: 23.05 ng

RT: 10.36 min Scan# 724

Delta R.T. -0.02 min

Lab File: BF080972.D

Acq: 11 Aug 2015 20:40

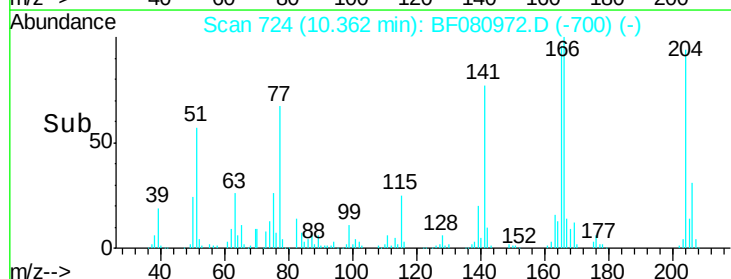
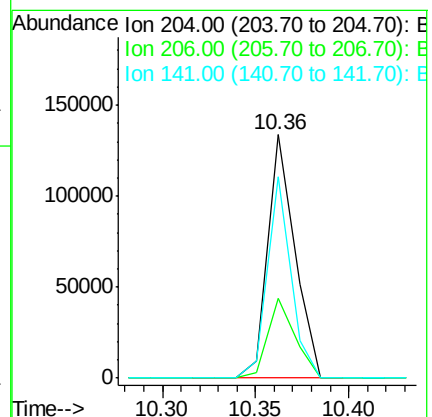
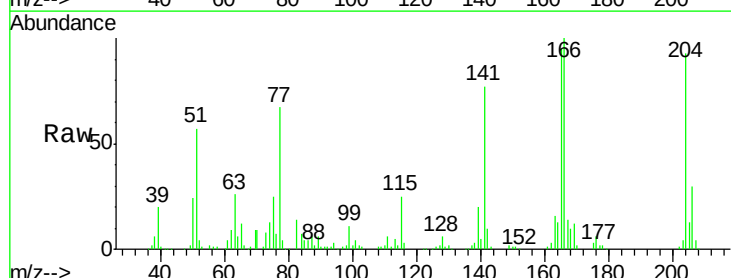
Tgt Ion:204 Resp: 133816

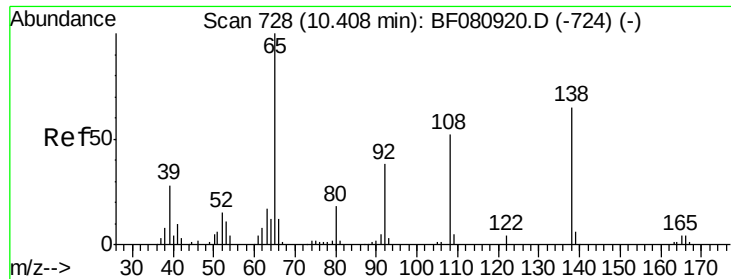
Ion Ratio Lower Upper

204 100

206 32.6 25.5 38.3

141 82.5 63.4 95.0

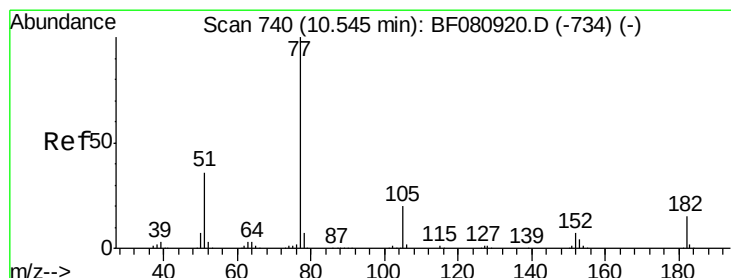
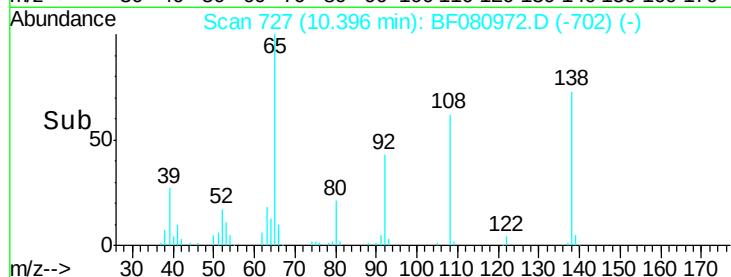
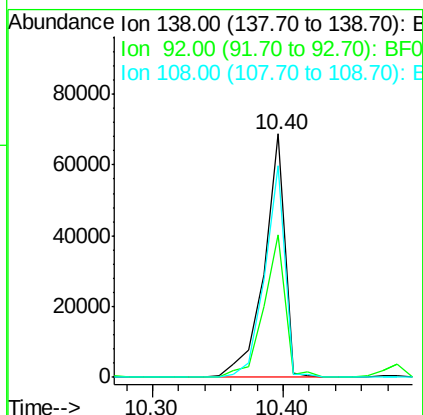
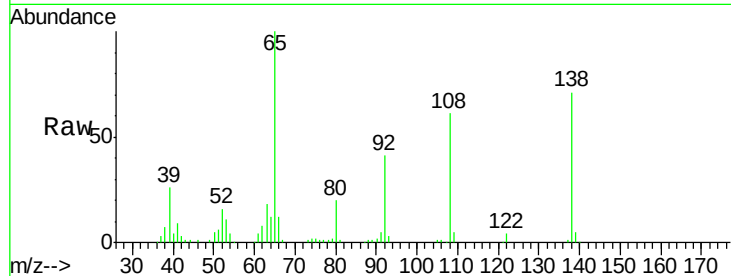




#61
4-Nitroaniline
Concen: 21.90 ng
RT: 10.40 min Scan# 727
Delta R.T. -0.01 min
Lab File: BF080972.D
Acq: 11 Aug 2015 20:40

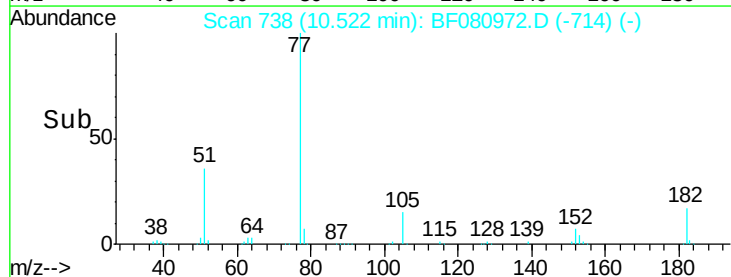
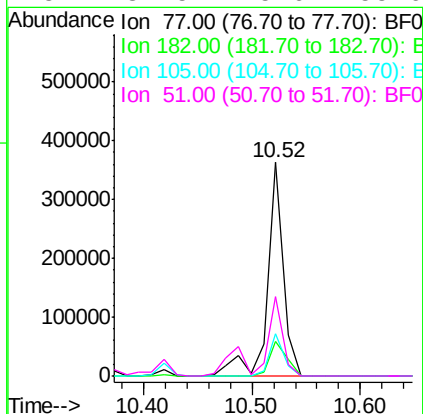
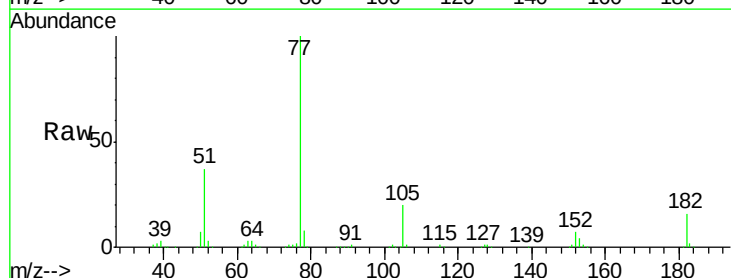
Instrument :
BNA_F
ClientSampleId :
SOIL-2MSD

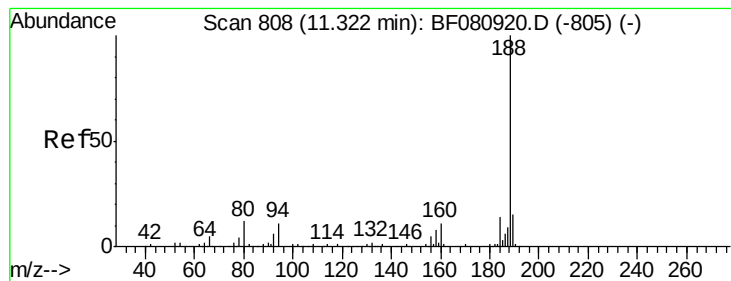
Tot Ion:138 Resp: 76248
Ion Ratio Lower Upper
138 100
92 58.4 38.1 78.1
108 87.0 59.9 99.9



#62
Azobenzene
Concen: 24.30 ng
RT: 10.52 min Scan# 738
Delta R.T. -0.02 min
Lab File: BF080972.D
Acq: 11 Aug 2015 20:40

Tgt Ion: 77 Resp: 375702
Ion Ratio Lower Upper
77 100
182 16.4 0.0 35.5
105 19.9 0.5 40.5
51 37.5 15.6 55.6





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.30 min Scan# 806

Delta R.T. -0.02 min

Lab File: BF080972.D

Acq: 11 Aug 2015 20:40

Instrument :

BNA_F

ClientSampleId :

SOIL-2MSD

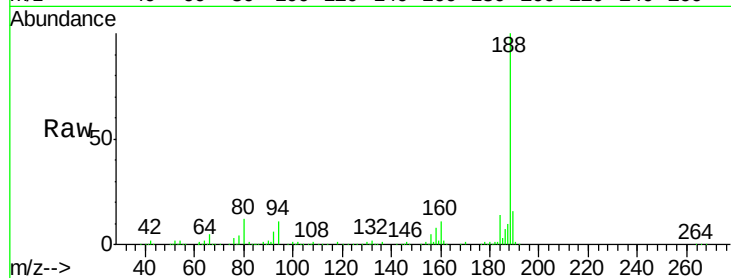
Tot Ion:188 Resp: 317756

Ion Ratio Lower Upper

188 100

94 10.8 8.8 13.2

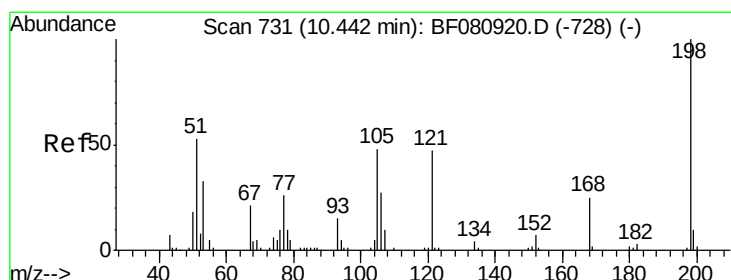
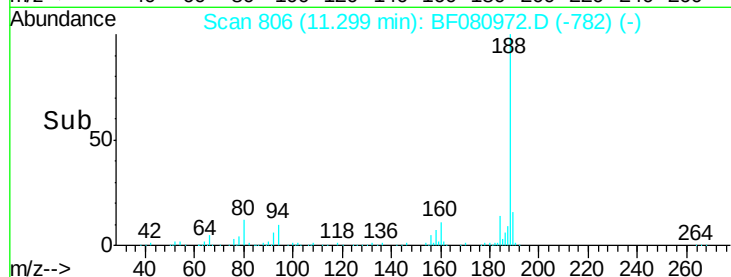
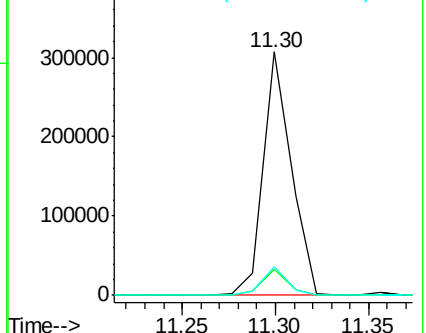
80 11.5 9.5 14.3



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: 14.76 ng

RT: 10.42 min Scan# 729

Delta R.T. -0.02 min

Lab File: BF080972.D

Acq: 11 Aug 2015 20:40

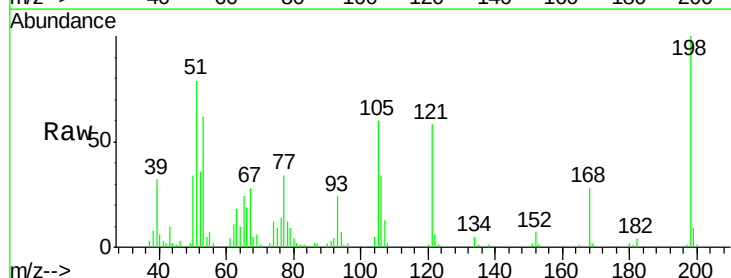
Tgt Ion:198 Resp: 29059

Ion Ratio Lower Upper

198 100

51 79.0 40.3 80.3

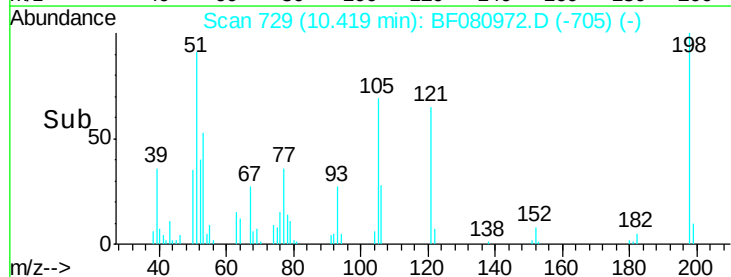
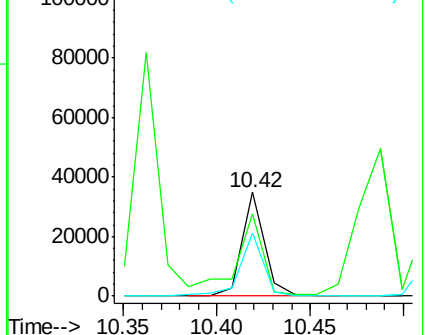
105 60.3 29.6 69.6

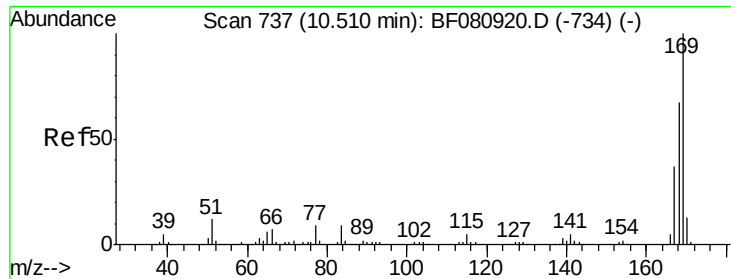


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E





#65

n-Nitrosodiphenylamine

Concen: 25.55 ng

RT: 10.49 min Scan# 735

Delta R.T. -0.02 min

Lab File: BF080972.D

Acq: 11 Aug 2015 20:40

Instrument :

BNA_F

ClientSampleId :

SOIL-2MSD

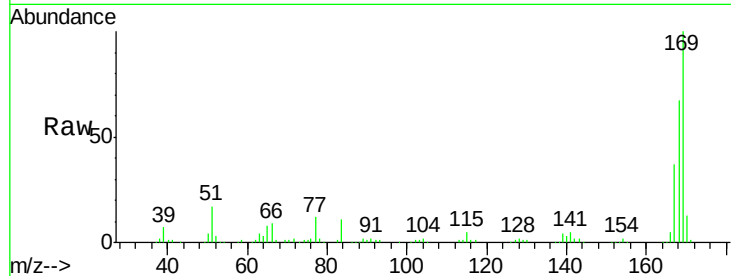
Tot Ion:169 Resp: 282036

Ion Ratio Lower Upper

169 100

168 67.2 53.7 80.5

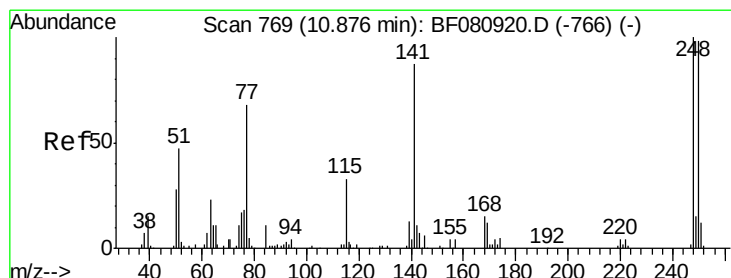
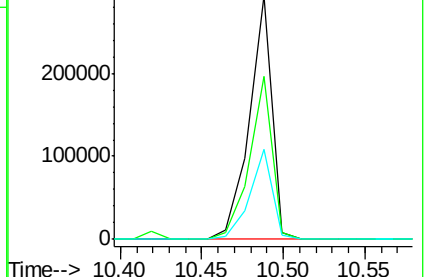
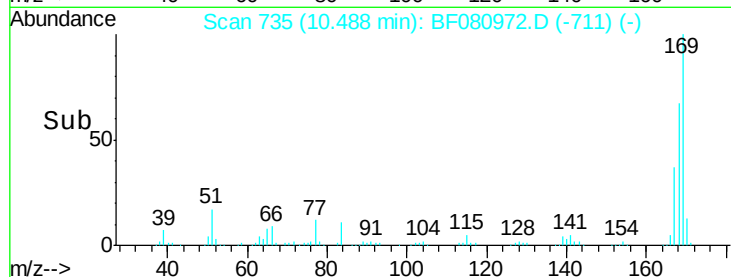
167 37.1 29.3 43.9



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: 26.67 ng

RT: 10.85 min Scan# 767

Delta R.T. -0.02 min

Lab File: BF080972.D

Acq: 11 Aug 2015 20:40

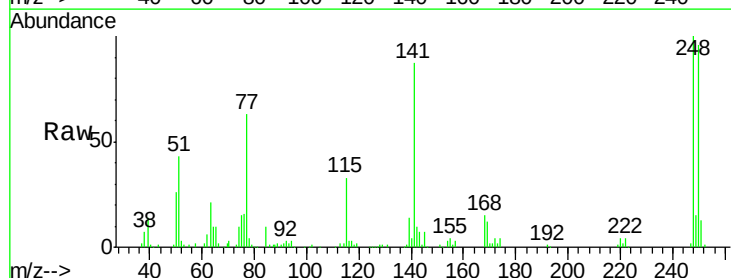
Tgt Ion:248 Resp: 89747

Ion Ratio Lower Upper

248 100

250 96.2 78.1 117.1

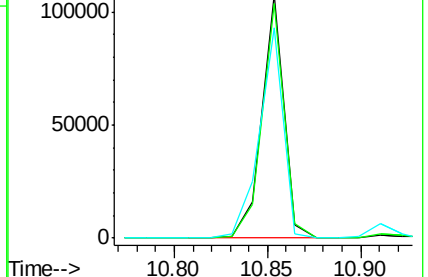
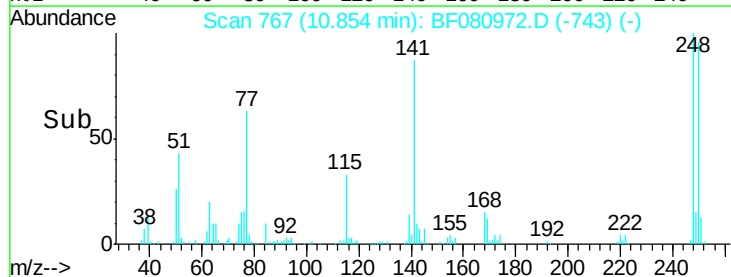
141 86.6 69.6 104.4

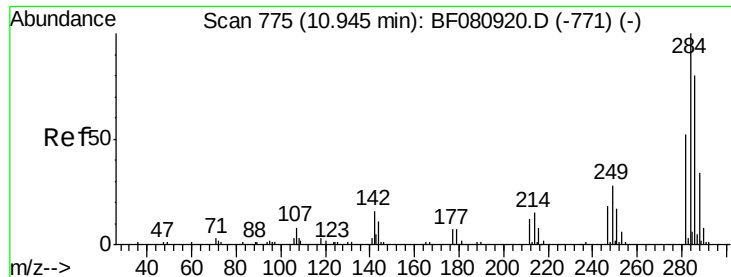


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

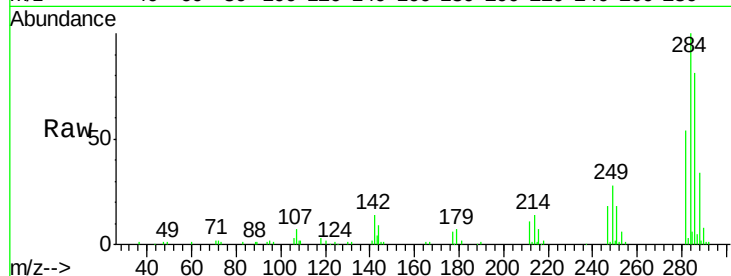




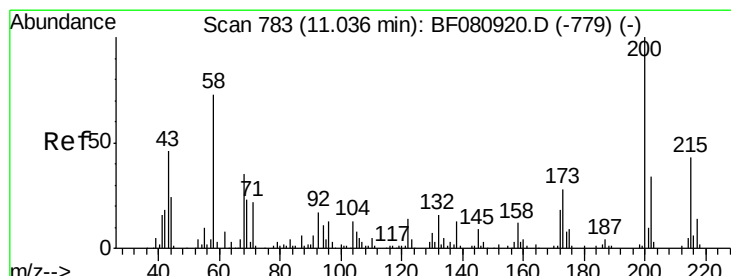
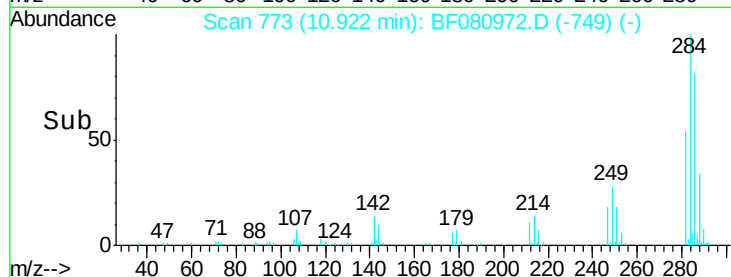
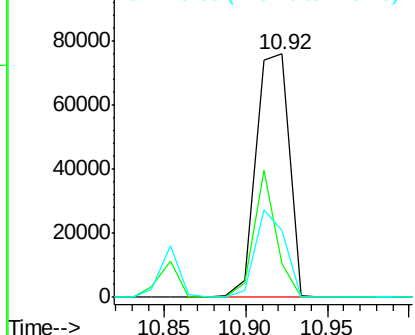
#67
Hexachlorobenzene
Concen: 28.59 ng
RT: 10.92 min Scan# 773
Delta R.T. -0.02 min
Lab File: BF080972.D
Acq: 11 Aug 2015 20:40

Instrument :
BNA_F
ClientSampleId :
SOIL-2MSD

Tot Ion	Ratio	Lower	Upper
284	100		
142	13.6	12.8	19.2
249	27.7	22.5	33.7

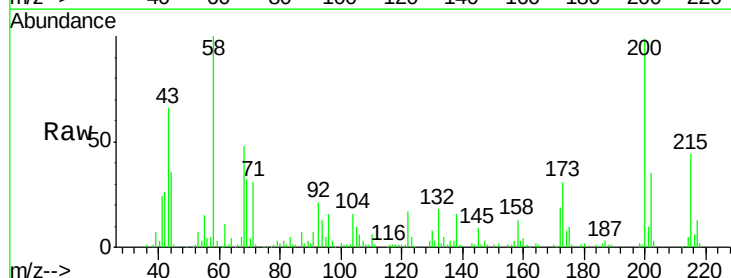


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

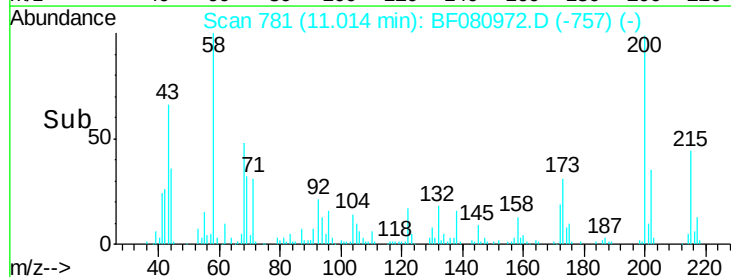
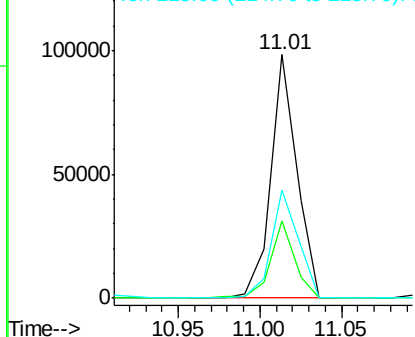


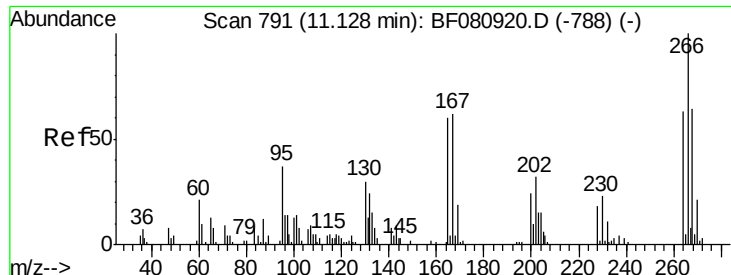
#68
Atrazine
Concen: 33.85 ng
RT: 11.01 min Scan# 781
Delta R.T. -0.02 min
Lab File: BF080972.D
Acq: 11 Aug 2015 20:40

Tgt Ion	Ratio	Lower	Upper
200	100		
173	31.7	8.4	48.4
215	44.5	22.7	62.7



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

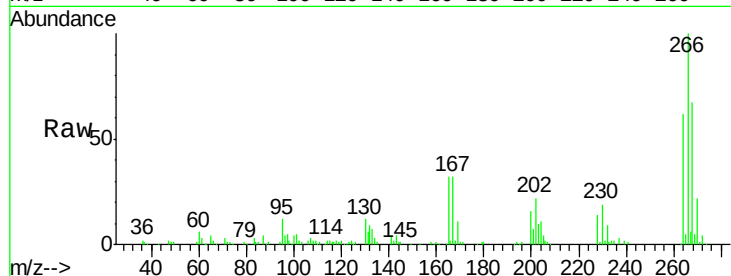




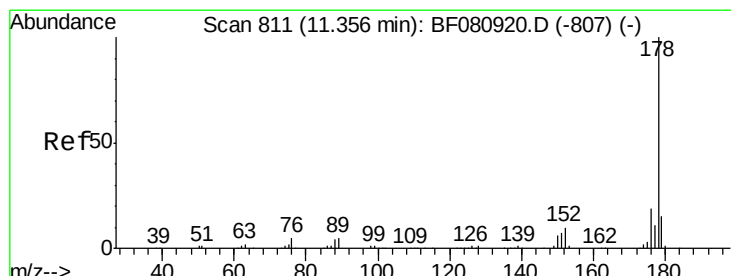
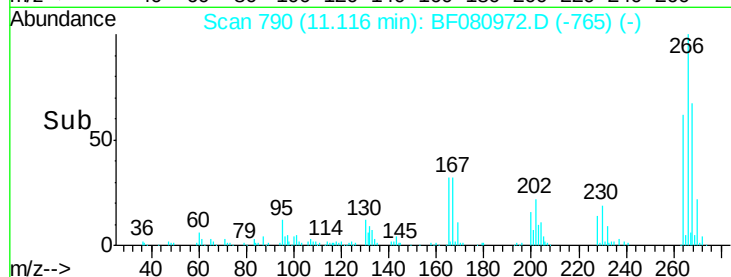
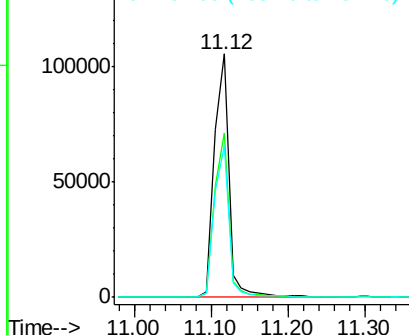
#69
 Pentachlorophenol
 Concen: 64.14 ng
 RT: 11.12 min Scan# 790
 Delta R.T. -0.01 min
 Lab File: BF080972.D
 Acq: 11 Aug 2015 20:40

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-2MSD

Tot Ion:266 Resp: 139548
 Ion Ratio Lower Upper
 266 100
 268 67.4 51.6 77.4
 264 62.3 50.1 75.1

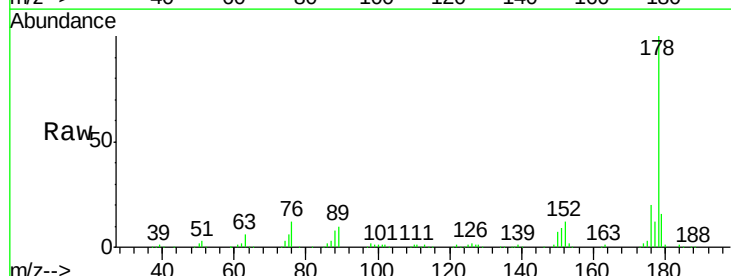


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

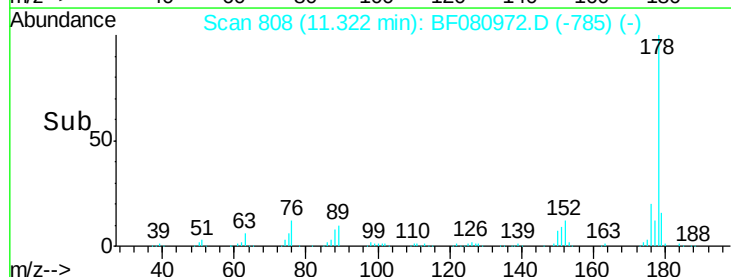
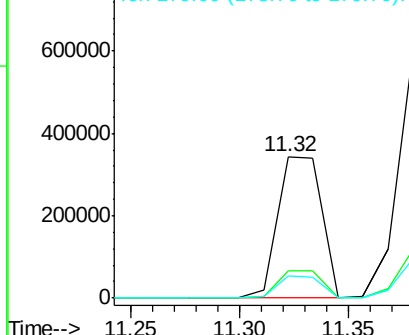


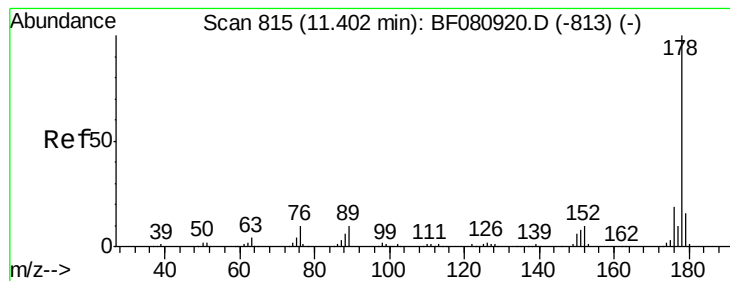
#70
 Phenanthrene
 Concen: 27.04 ng
 RT: 11.32 min Scan# 808
 Delta R.T. -0.03 min
 Lab File: BF080972.D
 Acq: 11 Aug 2015 20:40

Tgt Ion:178 Resp: 486590
 Ion Ratio Lower Upper
 178 100
 176 19.5 15.6 23.4
 179 15.7 11.9 17.9



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: 28.76 ng

RT: 11.38 min Scan# 813

Delta R.T. -0.02 min

Lab File: BF080972.D

Acq: 11 Aug 2015 20:40

Instrument :

BNA_F

ClientSampleId :

SOIL-2MSD

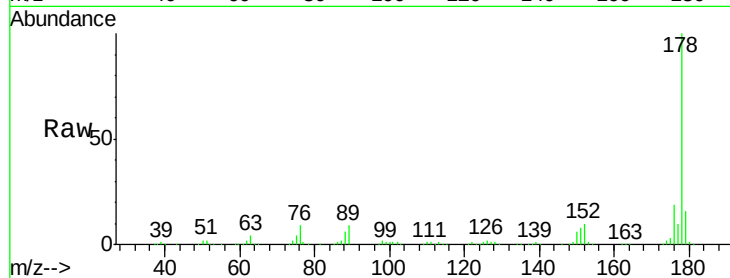
Tot Ion:178 Resp: 512343

Ion Ratio Lower Upper

178 100

176 19.5 15.5 23.3

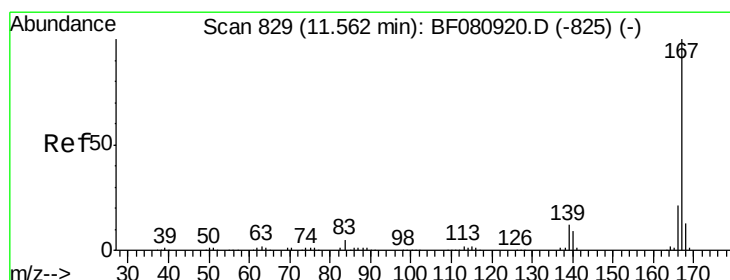
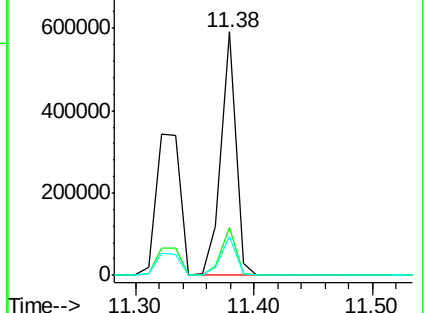
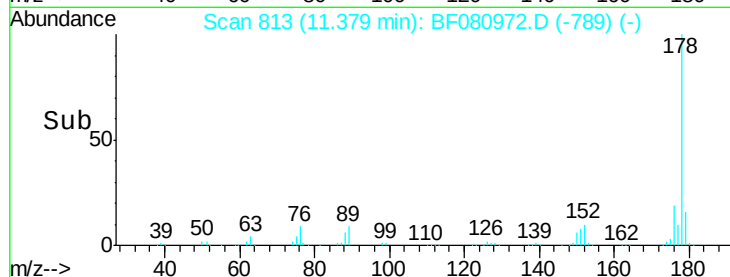
179 15.8 12.6 18.8



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: 27.19 ng

RT: 11.54 min Scan# 827

Delta R.T. -0.02 min

Lab File: BF080972.D

Acq: 11 Aug 2015 20:40

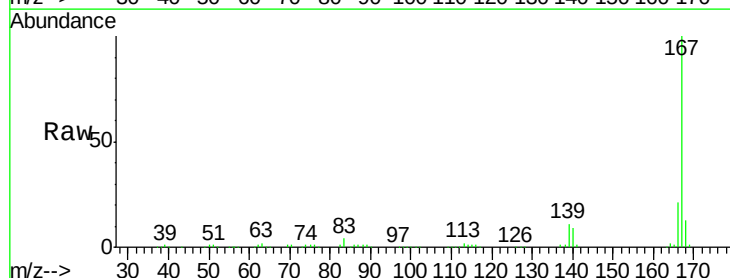
Tgt Ion:167 Resp: 471654

Ion Ratio Lower Upper

167 100

166 21.4 17.1 25.7

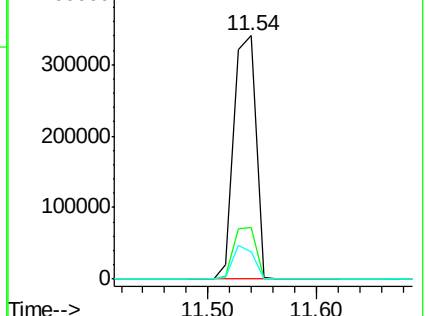
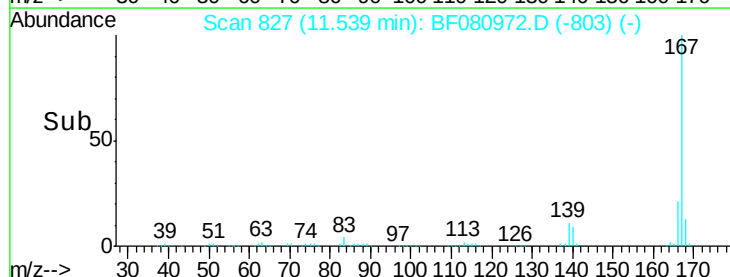
139 11.2 9.2 13.8

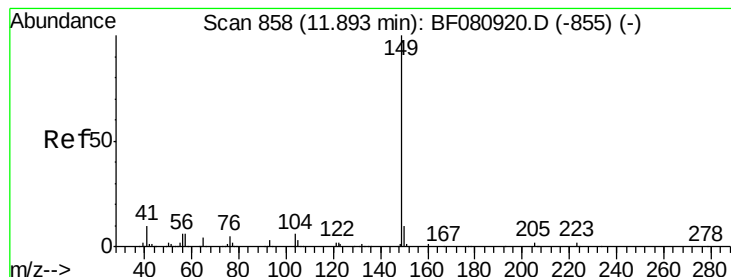


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 28.18 ng

RT: 11.87 min Scan# 856

Delta R.T. -0.02 min

Lab File: BF080972.D

Acq: 11 Aug 2015 20:40

Instrument :

BNA_F

ClientSampleId :

SOIL-2MSD

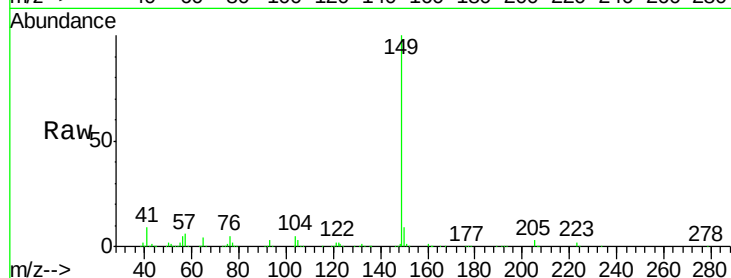
Tot Ion:149 Resp: 611171

Ion Ratio Lower Upper

149 100

150 9.3 7.6 11.4

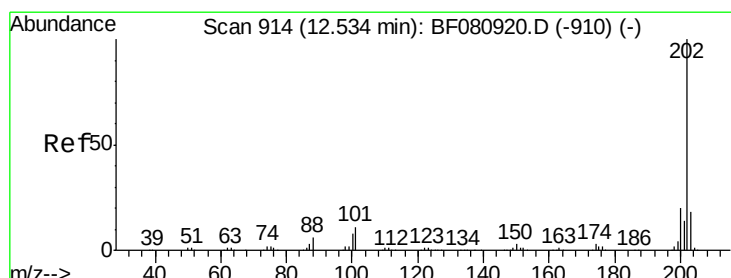
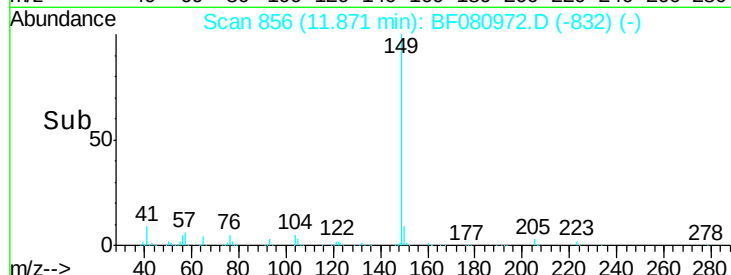
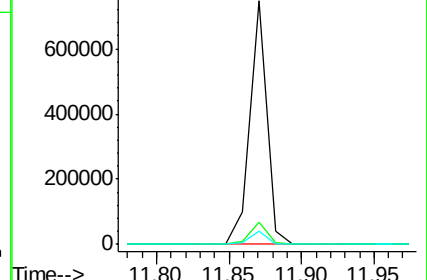
104 5.2 4.4 6.6



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: 28.27 ng

RT: 12.51 min Scan# 912

Delta R.T. -0.02 min

Lab File: BF080972.D

Acq: 11 Aug 2015 20:40

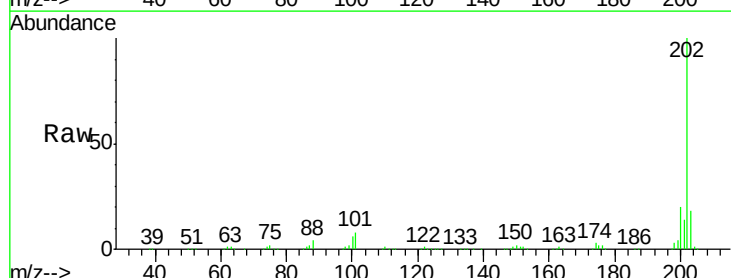
Tgt Ion:202 Resp: 549789

Ion Ratio Lower Upper

202 100

101 7.6 0.0 30.5

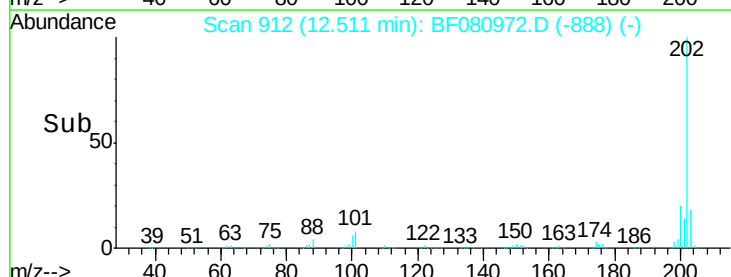
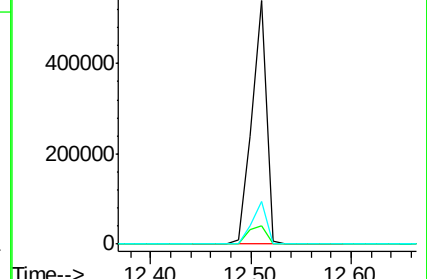
203 17.6 0.0 37.7

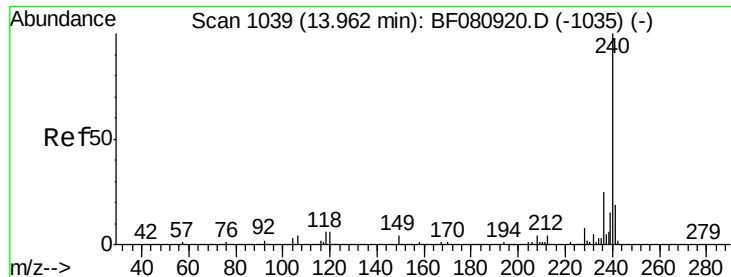


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.93 min Scan# 1036

Delta R.T. -0.03 min

Lab File: BF080972.D

Acq: 11 Aug 2015 20:40

Instrument :

BNA_F

ClientSampleId :

SOIL-2MSD

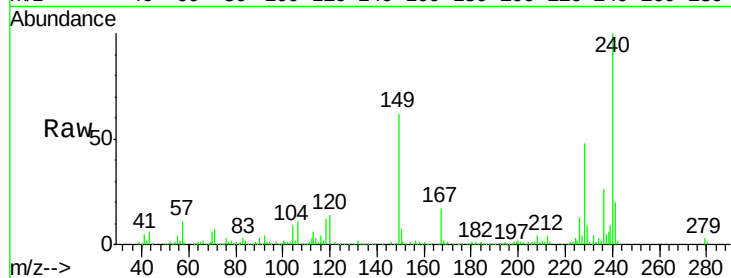
Tot Ion:240 Resp: 253374

Ion Ratio Lower Upper

240 100

120 14.0 5.2 7.8#

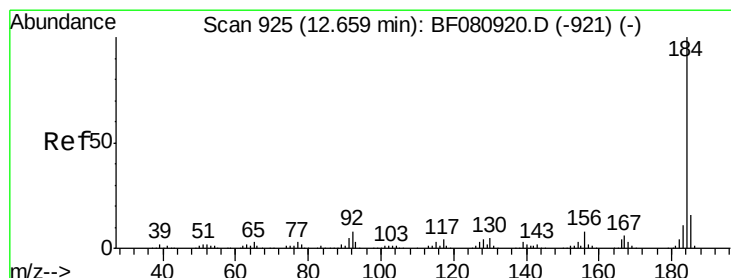
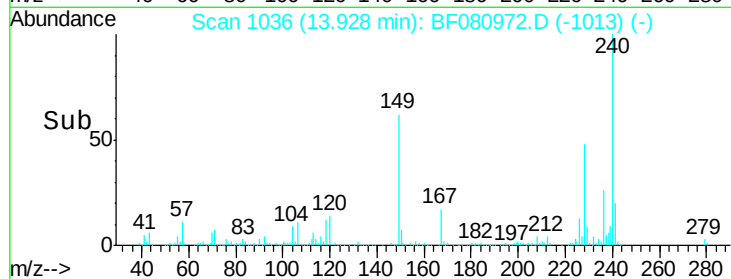
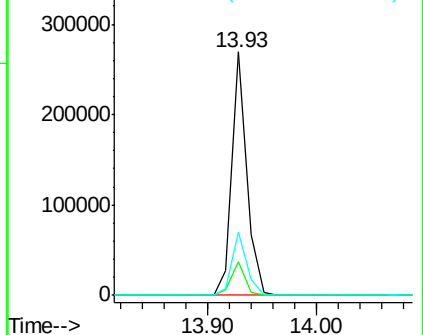
236 25.7 20.2 30.4



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 10.78 ng

RT: 12.64 min Scan# 923

Delta R.T. -0.02 min

Lab File: BF080972.D

Acq: 11 Aug 2015 20:40

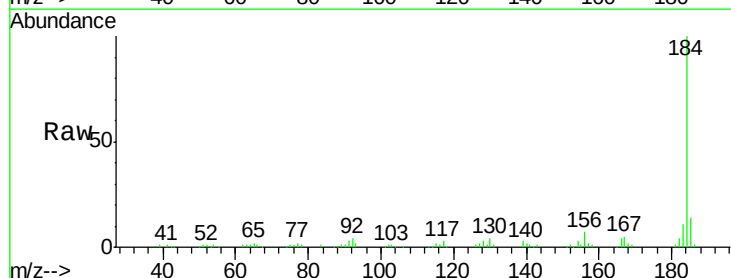
Tgt Ion:184 Resp: 136605

Ion Ratio Lower Upper

184 100

185 13.7 13.0 19.4

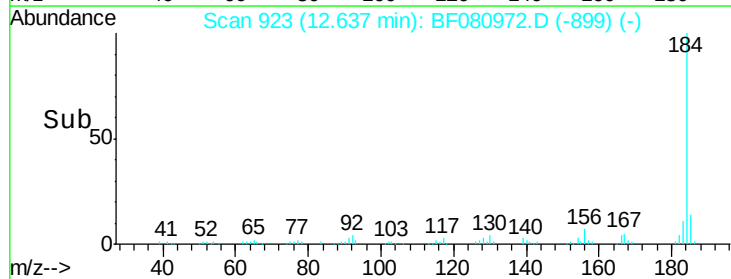
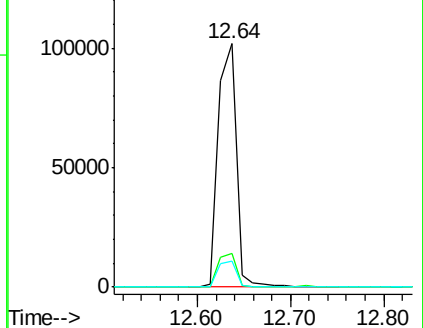
183 10.7 8.7 13.1

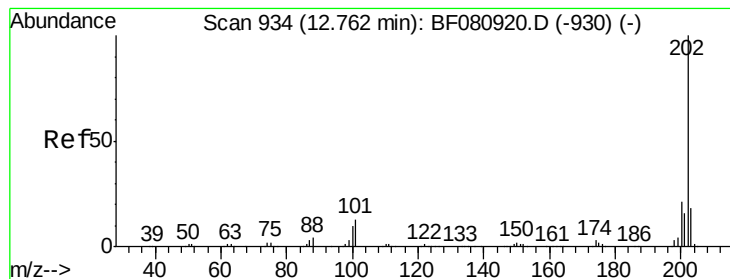


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pvrene

Concen: 30.44 ng

RT: 12.74 min Scan# 932

Delta R.T. -0.02 min

Lab File: BF080972.D

Acq: 11 Aug 2015 20:40

Instrument :

BNA_F

ClientSampleId :

SOIL-2MSD

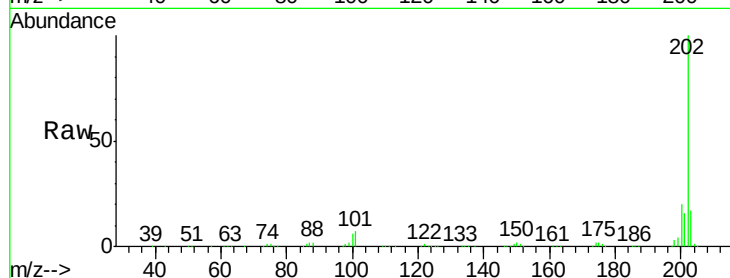
Tot Ion:202 Resp: 569777

Ion Ratio Lower Upper

202 100

200 20.2 16.6 24.8

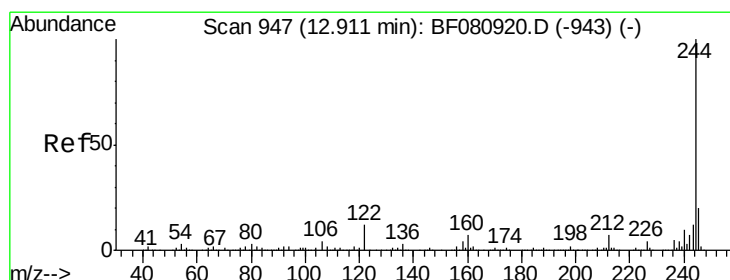
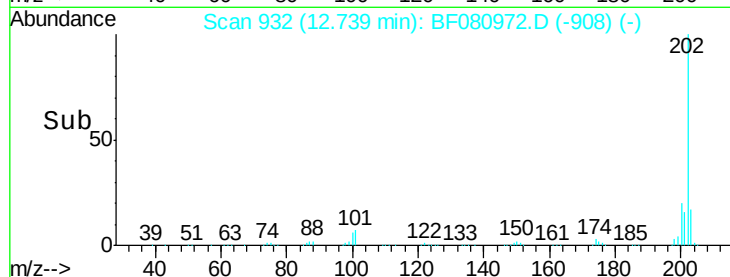
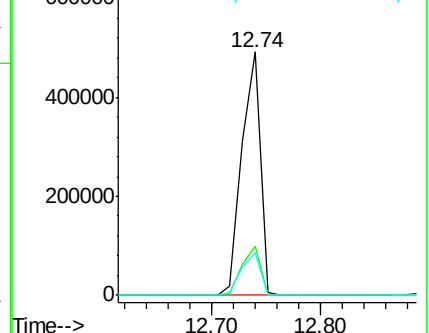
203 17.4 14.2 21.2



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: 66.29 ng

RT: 12.89 min Scan# 945

Delta R.T. -0.02 min

Lab File: BF080972.D

Acq: 11 Aug 2015 20:40

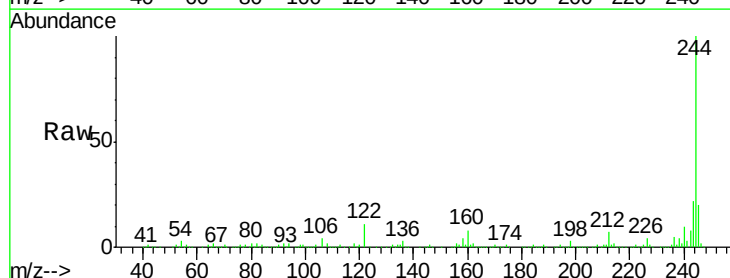
Tgt Ion:244 Resp: 813143

Ion Ratio Lower Upper

244 100

212 7.2 5.8 8.8

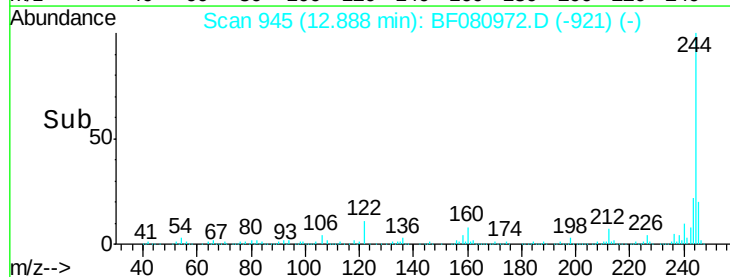
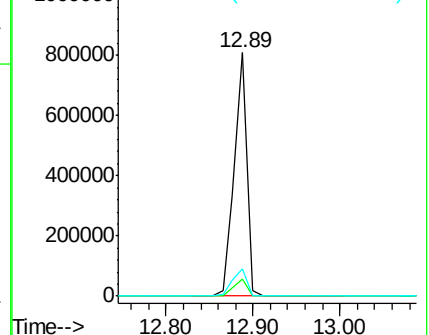
122 11.0 9.4 14.2

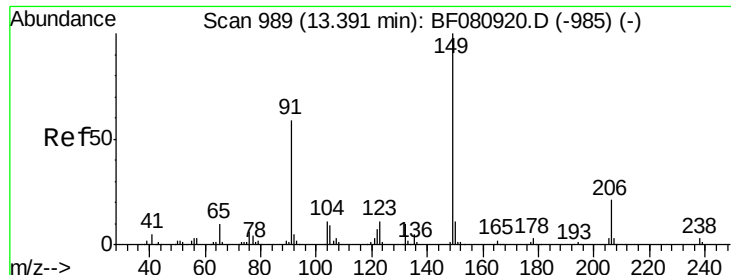


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

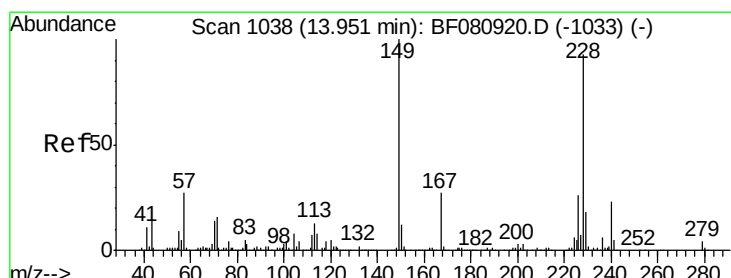
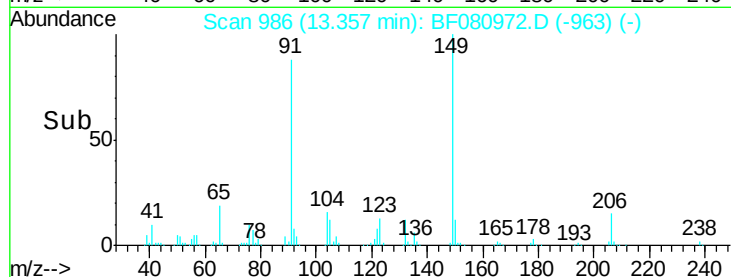
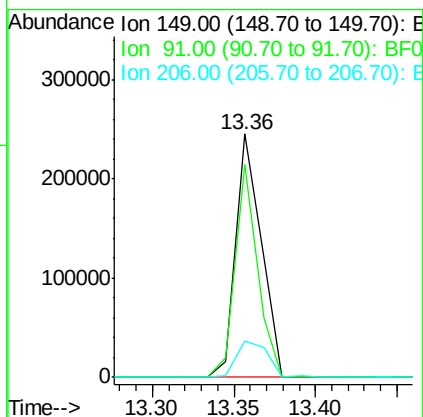
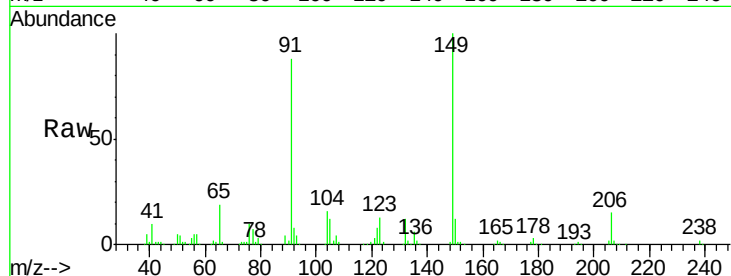




#79
Butylbenzylphthalate
Concen: 29.16 ng
RT: 13.36 min Scan# 986
Delta R.T. -0.03 min
Lab File: BF080972.D
Acq: 11 Aug 2015 20:40

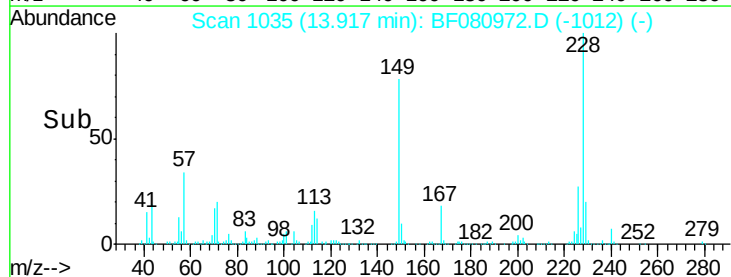
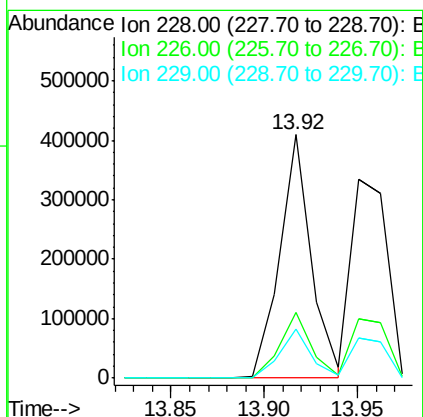
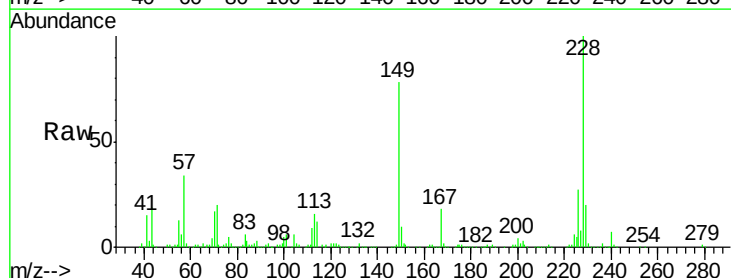
Instrument :
BNA_F
ClientSampleId :
SOIL-2MSD

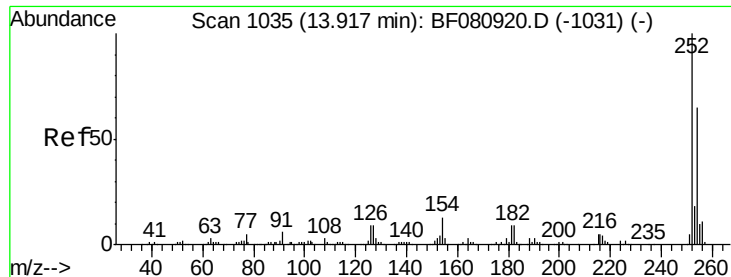
Tot Ion	Ratio	Lower	Upper
149	100		
91	87.7	47.2	70.8#
206	15.1	16.5	24.7#



#80
Benzo(a)anthracene
Concen: 30.06 ng
RT: 13.92 min Scan# 1035
Delta R.T. -0.03 min
Lab File: BF080972.D
Acq: 11 Aug 2015 20:40

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.1	22.2	33.2
229	20.0	15.8	23.6

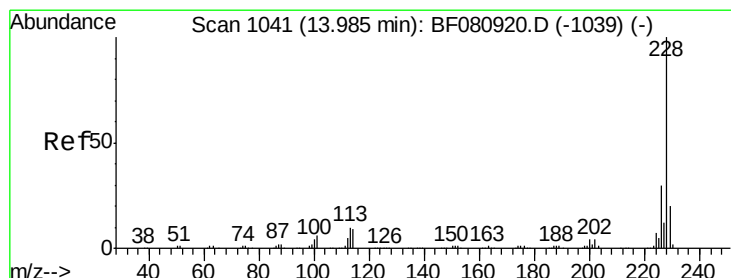
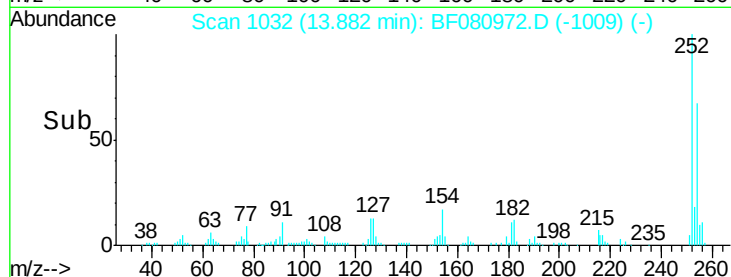
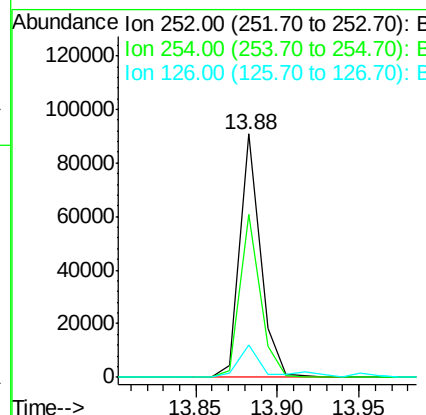
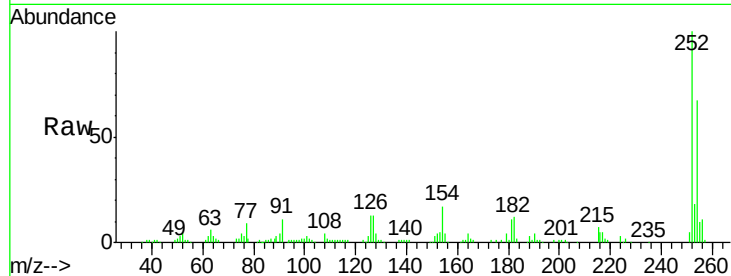




#81
 3,3'-Dichlorobenzidine
 Concen: 13.54 ng
 RT: 13.88 min Scan# 1032
 Delta R.T. -0.03 min
 Lab File: BF080972.D
 Acq: 11 Aug 2015 20:40

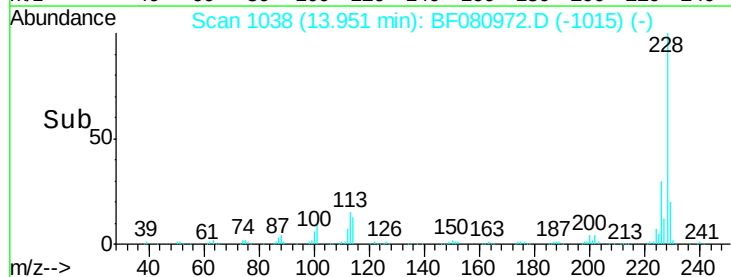
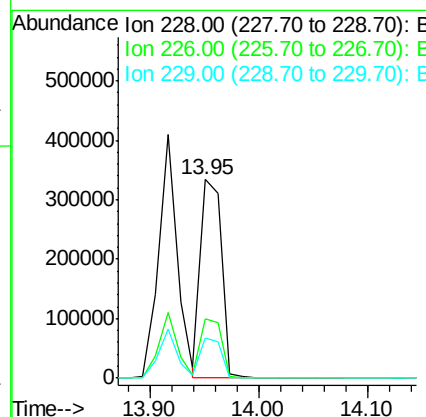
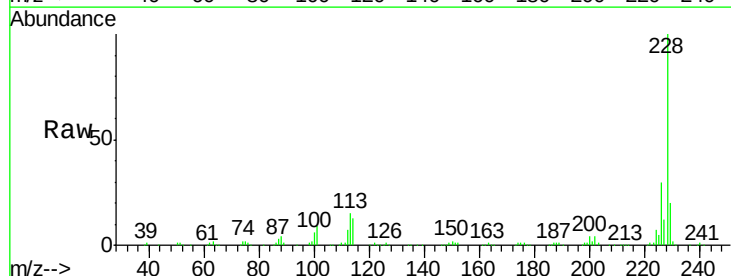
Instrument :
 BNA_F
 ClientSampleId :
 SOIL-2MSD

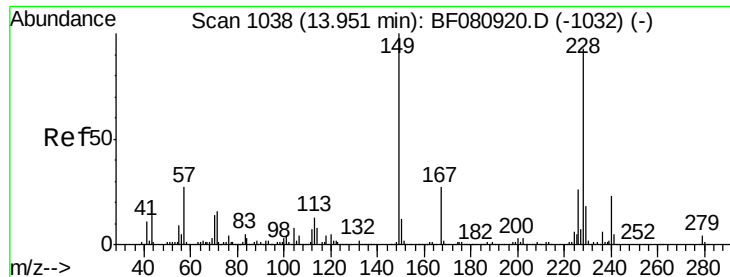
Tot Ion:252 Resp: 78853
 Ion Ratio Lower Upper
 252 100
 254 66.8 51.7 77.5
 126 13.2 7.1 10.7#



#82
 Chrysene
 Concen: 29.50 ng
 RT: 13.95 min Scan# 1038
 Delta R.T. -0.03 min
 Lab File: BF080972.D
 Acq: 11 Aug 2015 20:40

Tgt Ion:228 Resp: 452039
 Ion Ratio Lower Upper
 228 100
 226 30.2 23.9 35.9
 229 20.0 15.8 23.6

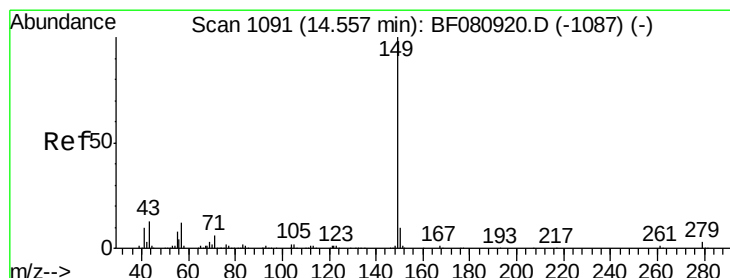
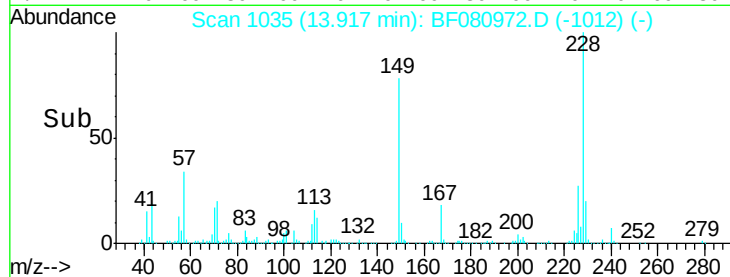
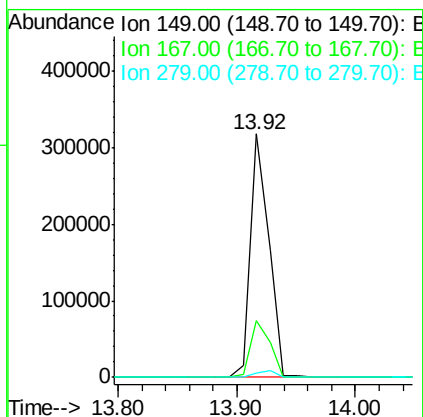
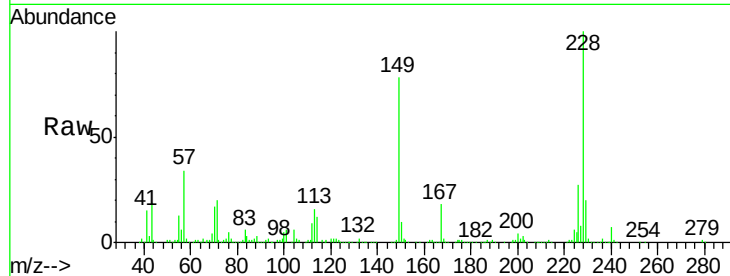




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 27.59 ng
 RT: 13.92 min Scan# 1035
 Delta R.T. -0.03 min
 Lab File: BF080972.D
 Acq: 11 Aug 2015 20:40

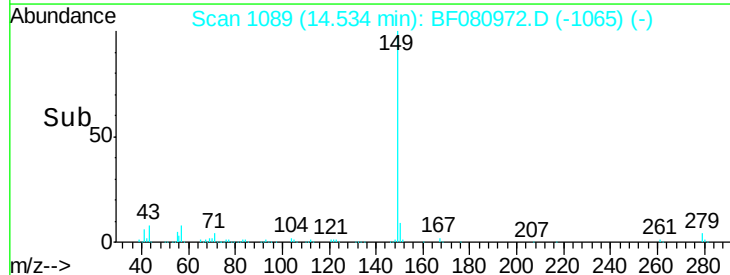
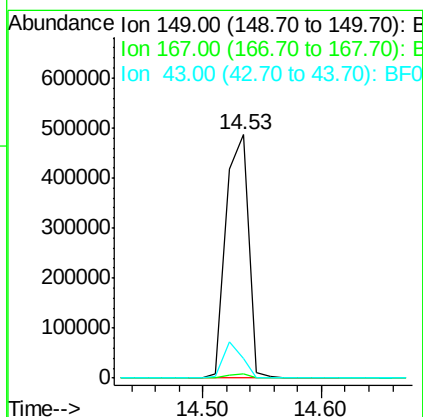
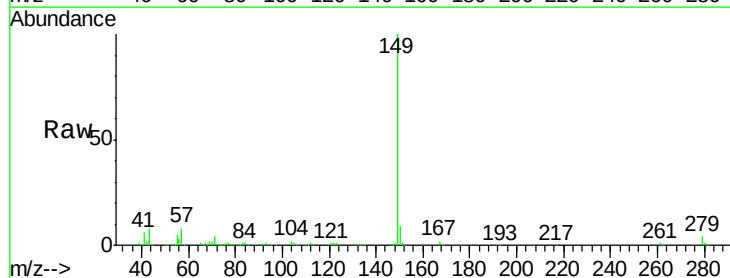
Instrument :
 BNA_F
 ClientSampleId :
 SOIL-2MSD

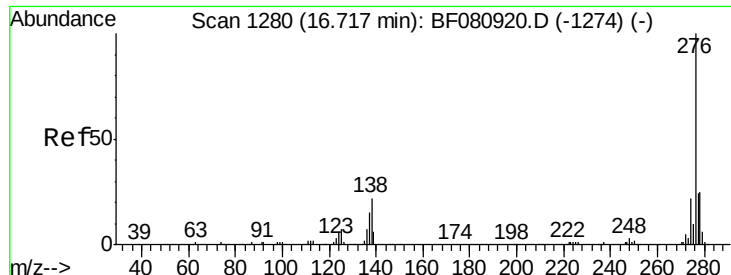
Tot Ion:149 Resp: 346459
 Ion Ratio Lower Upper
 149 100
 167 23.3 21.4 32.0
 279 1.7 2.9 4.3#



#84
 Di-n-octyl phthalate
 Concen: 30.03 ng
 RT: 14.53 min Scan# 1089
 Delta R.T. -0.02 min
 Lab File: BF080972.D
 Acq: 11 Aug 2015 20:40

Tgt Ion:149 Resp: 639255
 Ion Ratio Lower Upper
 149 100
 167 1.5 1.1 1.7
 43 12.6 11.0 16.4

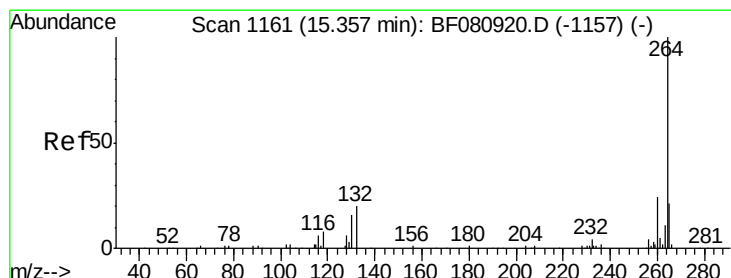
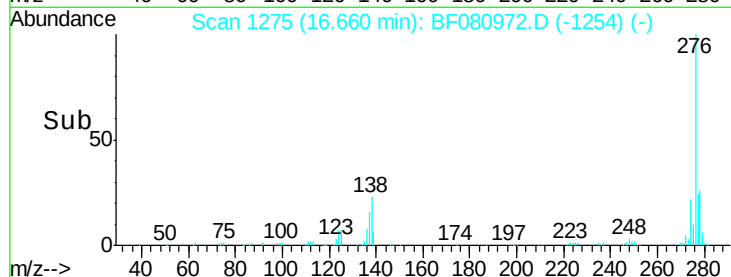
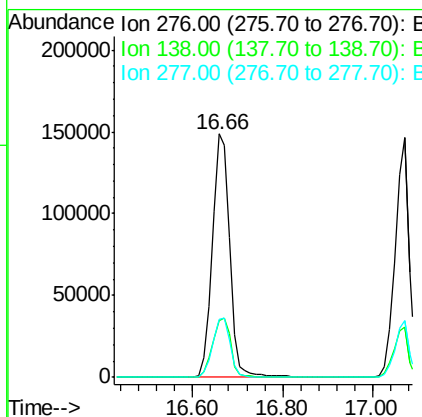
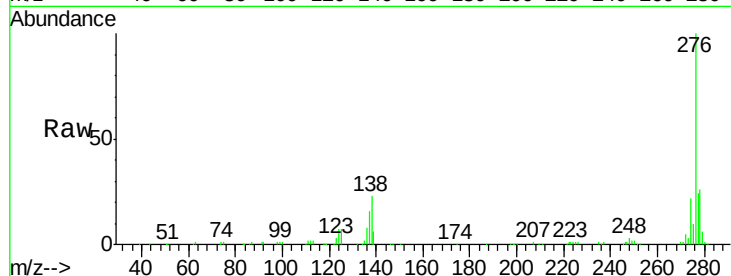




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 27.46 ng
 RT: 16.66 min Scan# 1275
 Delta R.T. -0.06 min
 Lab File: BF080972.D
 Acq: 11 Aug 2015 20:40

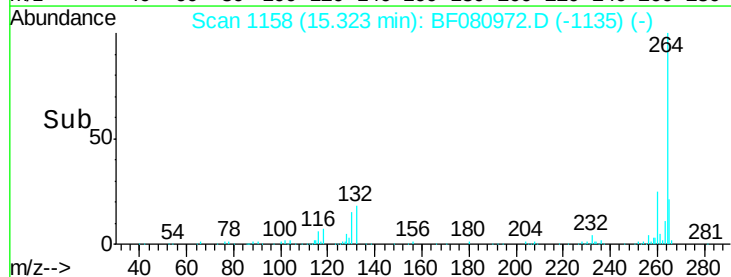
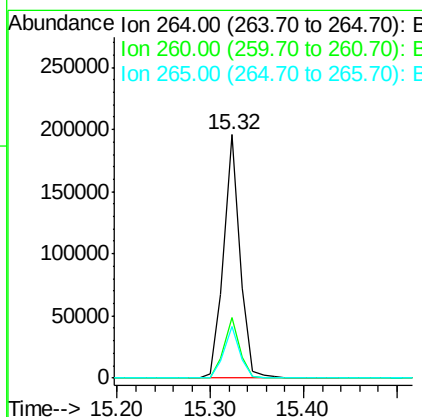
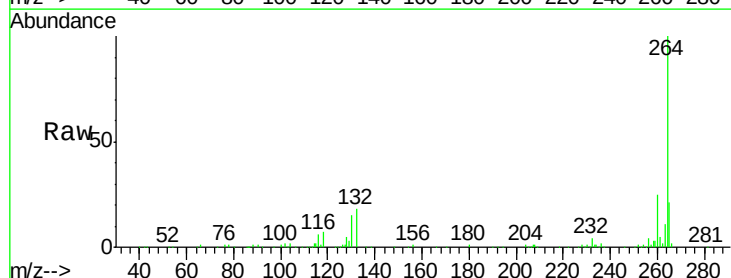
Instrument :
 BNA_F
 ClientSampleId :
 SOIL-2MSD

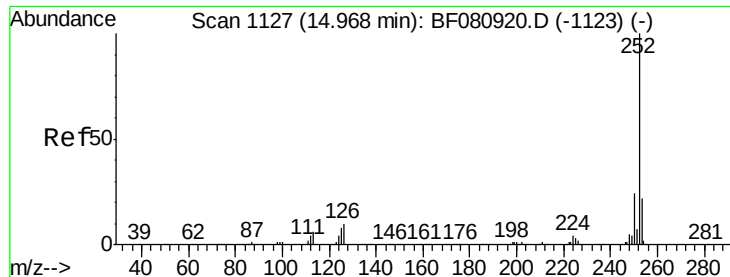
Tot Ion	Ion	Ratio	Lower	Upper
276	100			
138	25.3	19.9	29.9	
277	24.6	19.7	29.5	



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.32 min Scan# 1158
 Delta R.T. -0.03 min
 Lab File: BF080972.D
 Acq: 11 Aug 2015 20:40

Tgt Ion	Ion	Ratio	Lower	Upper
264	100			
260	24.9	19.4	29.0	
265	21.3	17.0	25.4	

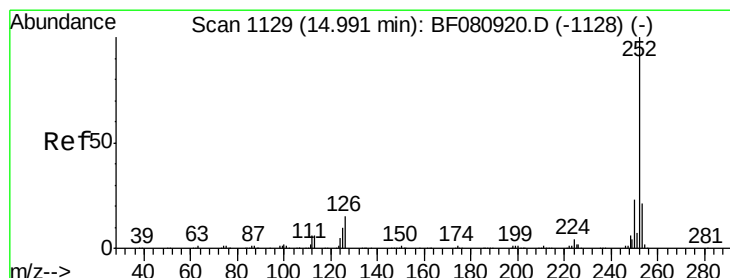
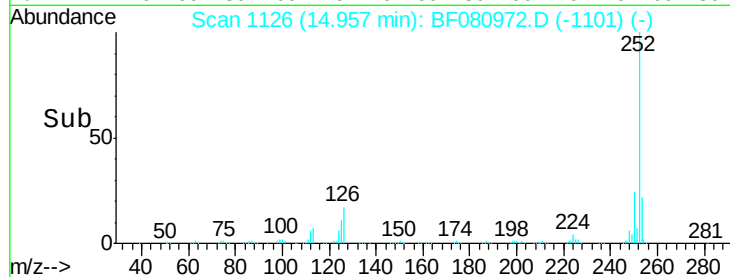
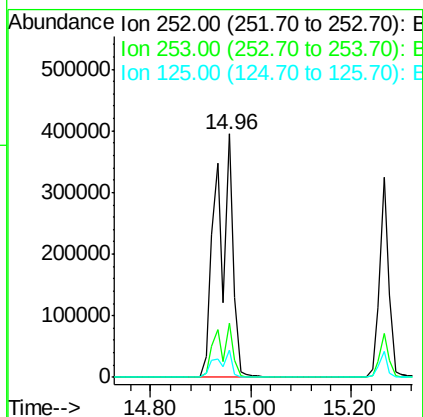
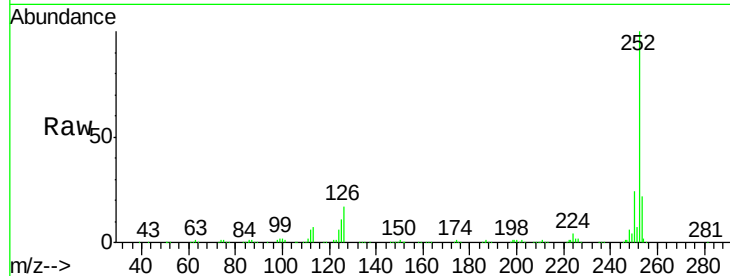




#87
Benzo(b)fluoranthene
Concen: 53.04 ng
RT: 14.96 min Scan# 1126
Delta R.T. -0.01 min
Lab File: BF080972.D
Acq: 11 Aug 2015 20:40

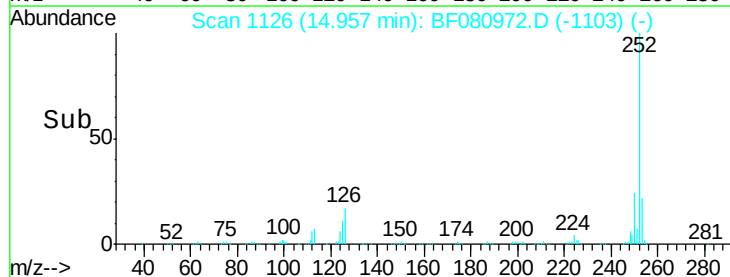
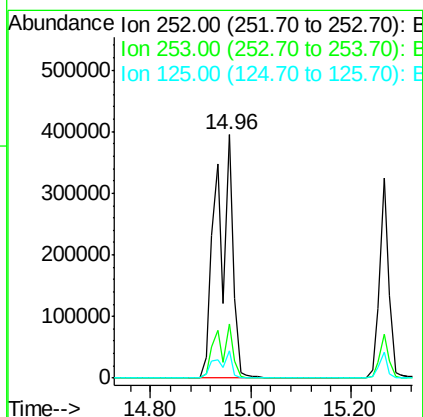
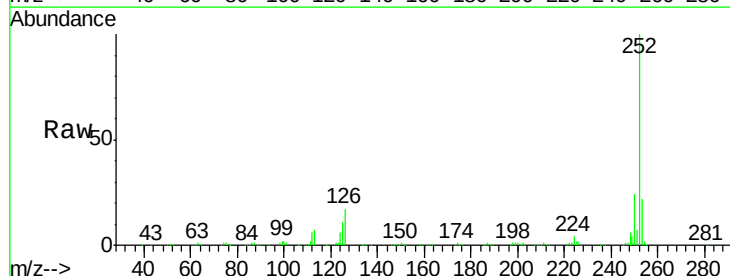
Instrument :
BNA_F
ClientSampleId :
SOIL-2MSD

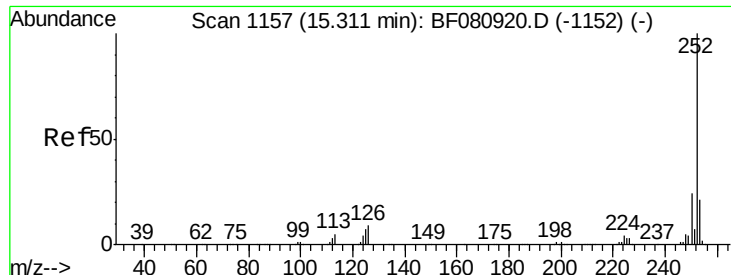
Tot Ion:252 Resp: 882717
Ion Ratio Lower Upper
252 100
253 22.3 17.6 26.4
125 11.3 6.1 9.1#



#88
Benzo(k)fluoranthene
Concen: 60.63 ng
RT: 14.96 min Scan# 1126
Delta R.T. -0.03 min
Lab File: BF080972.D
Acq: 11 Aug 2015 20:40

Tgt Ion:252 Resp: 882717
Ion Ratio Lower Upper
252 100
253 22.3 17.4 26.2
125 11.3 9.0 13.6

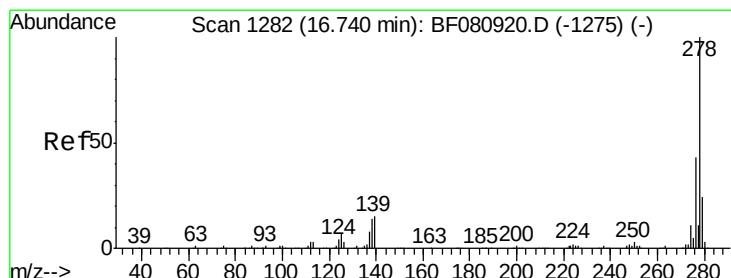
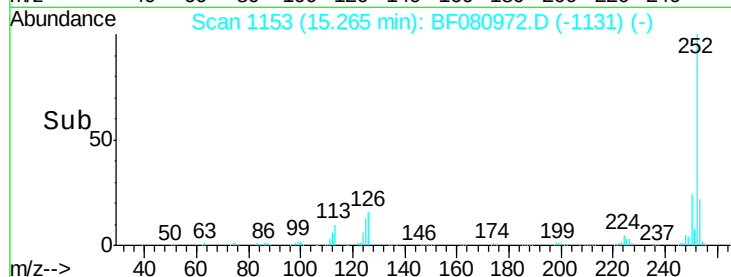
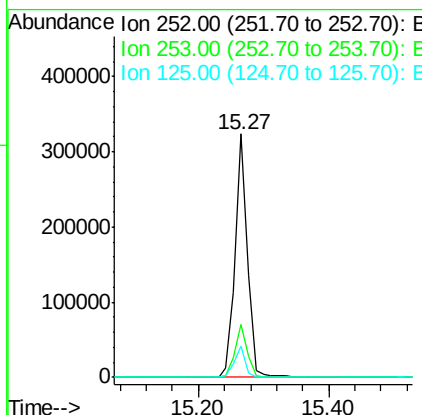
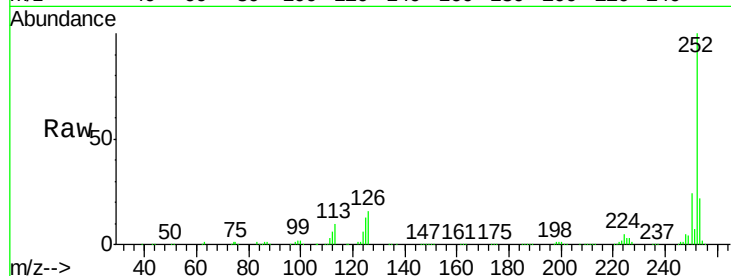




#89
Benzo(a)pyrene
Concen: 29.30 ng
RT: 15.27 min Scan# 1153
Delta R.T. -0.05 min
Lab File: BF080972.D
Acq: 11 Aug 2015 20:40

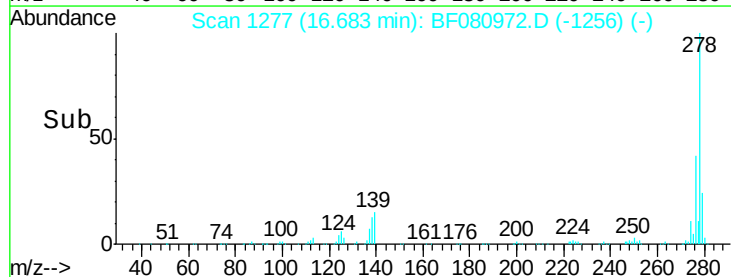
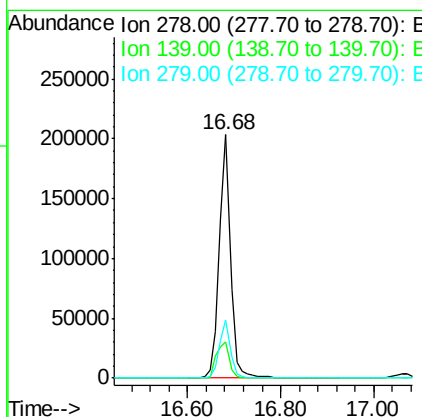
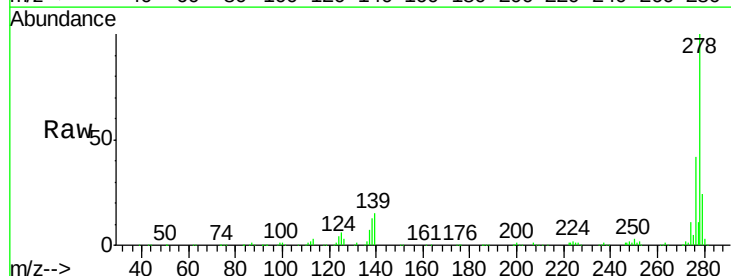
Instrument :
BNA_F
ClientSampleId :
SOIL-2MSD

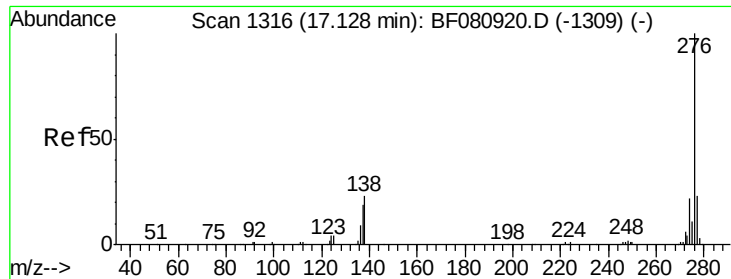
Tot Ion:252 Resp: 419062
Ion Ratio Lower Upper
252 100
253 21.8 16.9 25.3
125 12.8 5.8 8.8#



#90
Dibenzo(a,h)anthracene
Concen: 26.69 ng
RT: 16.68 min Scan# 1277
Delta R.T. -0.06 min
Lab File: BF080972.D
Acq: 11 Aug 2015 20:40

Tgt Ion:278 Resp: 337603
Ion Ratio Lower Upper
278 100
139 14.7 11.9 17.9
279 24.0 19.0 28.6

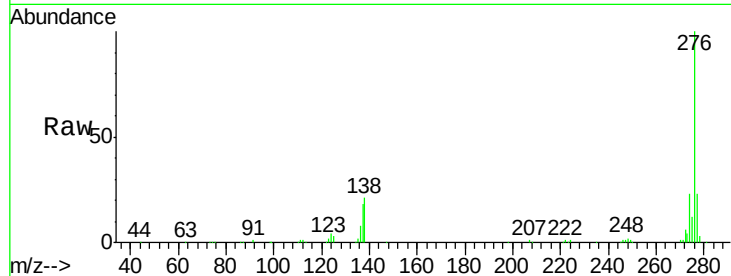




#91
 Benzo(a,h,i)perylene
 Concen: 26.21 ng
 RT: 17.07 min Scan# 1311
 Delta R.T. -0.06 min
 Lab File: BF080972.D
 Acq: 11 Aug 2015 20:40

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-2MSD

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.5	18.6	28.0
138	21.1	18.4	27.6



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

