

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071416\
 Data File : BF088984.D
 Acq On : 14 Jul 2016 13:53
 Operator : UM/SJ
 Sample : H3606-03
 Misc : LOD-8PPM
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01

Quant Time: Jul 15 01:14:50 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 11 18:13:32 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.68	152	72153	20.00	ng	-0.02
21) Naphthalene-d8	7.96	136	288682	20.00	ng	-0.03
38) Acenaphthene-d10	9.71	164	137894	20.00	ng	-0.03
63) Phenanthrene-d10	11.19	188	272707	20.00	ng	-0.03
75) Chrysene-d12	13.82	240	245214	20.00	ng	-0.03
86) Perylene-d12	15.18	264	190278	20.00	ng	-0.03

System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	467792	97.17	ng	0.00
7) Phenol-d6	6.34	99	669145	107.57	ng	-0.01
23) Nitrobenzene-d5	7.26	82	427106	77.53	ng	-0.02
41) 2,4,6-Tribromophenol	10.50	330	128150	100.08	ng	-0.03
44) 2-Fluorobiphenyl	9.05	172	727317	83.31	ng	-0.02
78) Terphenyl-d14	12.78	244	606309	55.07	ng	-0.02

Target Compounds				Qvalue		
2) 1,4-Dioxane	2.26	88	10329	4.33	ng	# 1
3) Pyridine	2.96	79	30307	4.38	ng	95
4) n-Nitrosodimethylamine	2.84	42	12920	4.88	ng	94
8) 2-Chlorophenol	6.47	128	29232	5.65	ng	88
9) Benzaldehyde	6.23	77	26036	6.18	ng	93
10) Phenol	6.35	94	32963	4.64	ng	93
11) bis(2-Chloroethyl)ether	6.43	93	27898	5.27	ng	# 80
12) 1,3-Dichlorobenzene	6.86	146	34092	5.99	ng	99
13) 1,4-Dichlorobenzene	6.71	146	29967	5.30	ng	97
14) 1,2-Dichlorobenzene	6.71	146	29967	5.66	ng	98
15) Benzyl Alcohol	6.83	79	35180	7.68	ng	90
16) 2,2'-oxybis(1-Chloropropan	6.97	45	33310	4.34	ng	90
17) 2-Methylphenol	6.96	107	24175	5.73	ng	97
18) Hexachloroethane	7.20	117	12261	5.61	ng	97
19) n-Nitroso-di-n-propylamine	7.10	70	22809	5.46	ng	96
20) 3+4-Methylphenols	7.11	107	33331	6.58	ng	# 81
22) Acetophenone	7.10	105	46960	6.70	ng	# 94
24) Nitrobenzene	7.27	77	38905	7.00	ng	# 81
25) Isophorone	7.51	82	63434	6.22	ng	94
26) 2-Nitrophenol	7.59	139	15594	6.85	ng	94
27) 2,4-Dimethylphenol	7.63	122	26586	5.60	ng	88
28) bis(2-Chloroethoxy)methane	7.72	93	35938	5.41	ng	# 94
29) 2,4-Dichlorophenol	7.83	162	23561	6.15	ng	92
30) 1,2,4-Trichlorobenzene	7.92	180	25701	6.11	ng	95
31) Naphthalene	7.99	128	87048	6.12	ng	99
32) Benzoic acid	7.71	122	12234	3.55	ng	85
33) 4-Chloroaniline	8.04	127	15450	2.44	ng	98
34) Hexachlorobutadiene	8.11	225	13492	5.99	ng	99
35) Caprolactam	8.38	113	7967	6.12	ng	93
36) 4-Chloro-3-methylphenol	8.54	107	26538	5.85	ng	91
37) 2-Methylnaphthalene	8.68	142	60537	6.61	ng	96
39) 1,2,4,5-Tetrachlorobenzene	8.84	216	24237	5.28	ng	# 1
40) Hexachlorocyclopentadiene	8.83	237	6049	2.69	ng	96
42) 2,4,6-Trichlorophenol	8.96	196	16970	5.61	ng	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 2,4,5-Trichlorophenol	9.00	196	18872	7.25	ng	# 95
45) 1,1'-Biphenyl	9.14	154	72749	6.37	ng	99
46) 2-Chloronaphthalene	9.16	162	57415	6.40	ng	98
47) 2-Nitroaniline	9.26	65	17155	5.39	ng	# 87
48) Acenaphthylene	9.58	152	95565	6.70	ng	99
49) Dimethylphthalate	9.44	163	62481	6.36	ng	# 99
50) 2,6-Dinitrotoluene	9.51	165	15284	7.02	ng	91
51) Acenaphthene	9.75	154	58048	6.64	ng	96
52) 3-Nitroaniline	9.67	138	13265	4.79	ng	97
53) 2,4-Dinitrophenol	9.78	184	3662	3.81	ng	# 88
54) Dibenzofuran	9.92	168	86451	7.55	ng	# 90
55) 4-Nitrophenol	9.84	139	11416	5.43	ng	# 78
56) 2,4-Dinitrotoluene	9.91	165	20974	7.37	ng	# 86
57) Fluorene	10.26	166	67372	7.64	ng	96
58) 2,3,4,6-Tetrachlorophenol	10.04	232	12946	6.43	ng	# 50
59) Diethylphthalate	10.15	149	73006	7.40	ng	99
60) 4-Chlorophenyl-phenylether	10.26	204	29387	7.17	ng	88
61) 4-Nitroaniline	10.27	138	16341	6.14	ng	82
62) Azobenzene	10.41	77	74385	6.61	ng	91
64) 4,6-Dinitro-2-methylphenol	10.31	198	6331	4.34	ng	76
65) n-Nitrosodiphenylamine	10.38	169	60368	6.54	ng	99
66) 4-Bromophenyl-phenylether	10.74	248	16832	6.12	ng	# 78
67) Hexachlorobenzene	10.81	284	16621	5.46	ng	# 81
68) Atrazine	10.90	200	19113	6.65	ng	92
69) Pentachlorophenol	11.00	266	6403	3.56	ng	96
70) Phenanthrene	11.21	178	93123	6.25	ng	98
71) Anthracene	11.27	178	100965	6.81	ng	97
72) Carbazole	11.42	167	86224	6.18	ng	98
73) Di-n-butylphthalate	11.76	149	101804	6.27	ng	# 98
74) Fluoranthene	12.39	202	96180	6.36	ng	94
77) Pyrene	12.62	202	101488	4.88	ng	98
79) Butylbenzylphthalate	13.25	149	42978	4.63	ng	# 63
80) Benzo(a)anthracene	13.81	228	83992	5.32	ng	97
82) Chrysene	13.84	228	83823	5.37	ng	97
83) Bis(2-ethylhexyl)phthalate	13.82	149	62183	5.87	ng	100
84) Di-n-octyl phthalate	14.42	149	104651	5.82	ng	# 100
85) Indeno(1,2,3-cd)pyrene	16.45	276	59297	4.93	ng	# 100
87) Benzo(b)fluoranthene	14.80	252	142072	11.90	ng	# 96
88) Benzo(k)fluoranthene	14.80	252	142072	13.67	ng	97
89) Benzo(a)pyrene	15.12	252	65695	6.50	ng	96
90) Dibenzo(a,h)anthracene	16.46	278	49517	5.87	ng	99
91) Benzo(g,h,i)perylene	16.82	276	49385	5.66	ng	98

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.68 min Scan# 446

Delta R.T. -0.02 min

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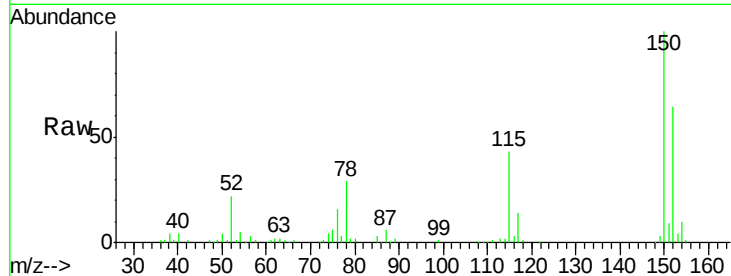
Tgt Ion:152 Resp: 72153

Ion Ratio Lower Upper

152 100

150 157.1 123.8 185.6

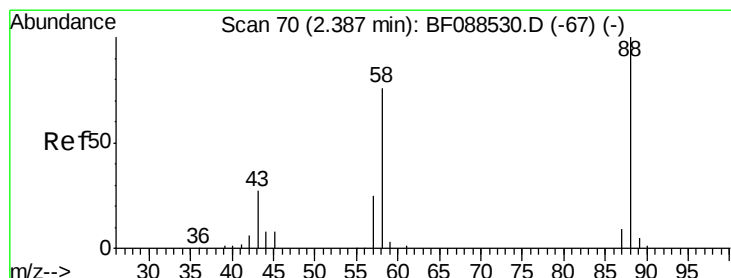
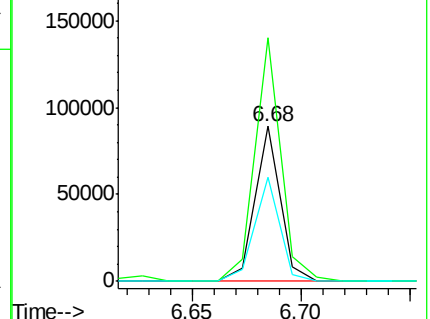
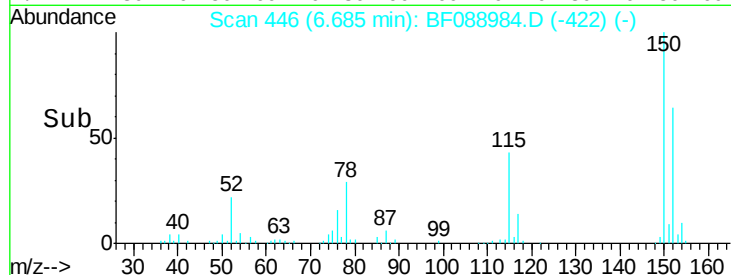
115 67.3 39.6 59.4#



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: 4.33 ng

RT: 2.26 min Scan# 59

Delta R.T. 0.05 min

Lab File: BF088984.D

Acq: 14 Jul 2016 13:53

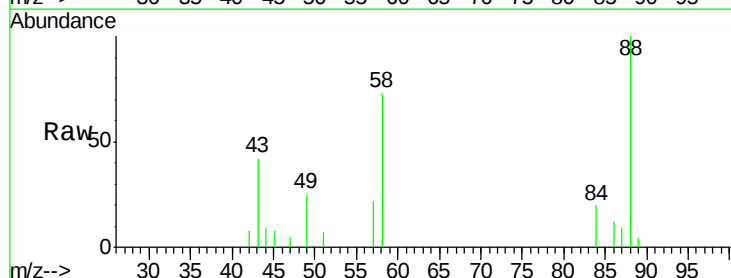
Tgt Ion: 88 Resp: 10329

Ion Ratio Lower Upper

88 100

58 82.5 0.0 0.0#

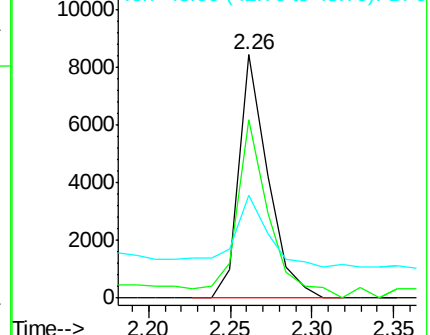
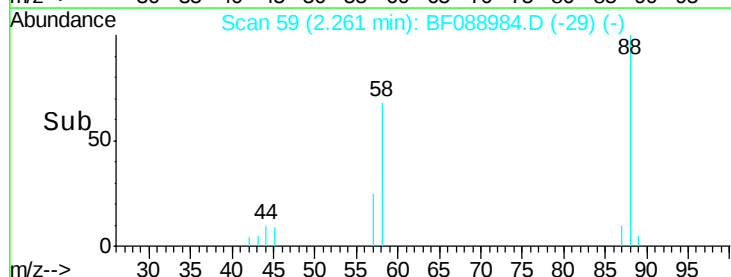
43 54.4 3.4 5.2#

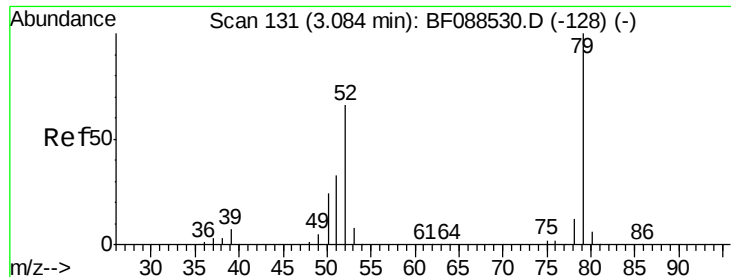


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#3

Pyridine

Concen: 4.38 ng

RT: 2.96 min Scan# 120

Delta R.T. 0.08 min

Lab File: BF088984.D

Acq: 14 Jul 2016 13:53

Instrument :

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ClientSampleId :

LOD-SOIL2016-01

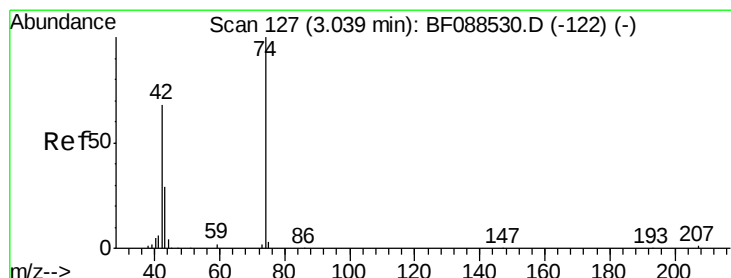
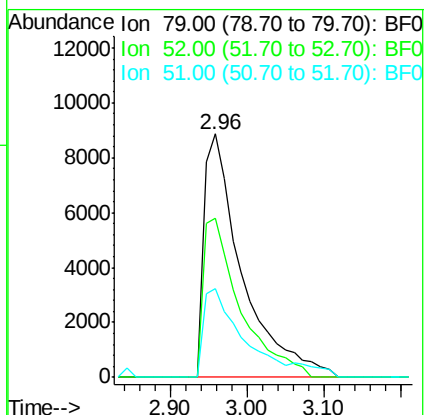
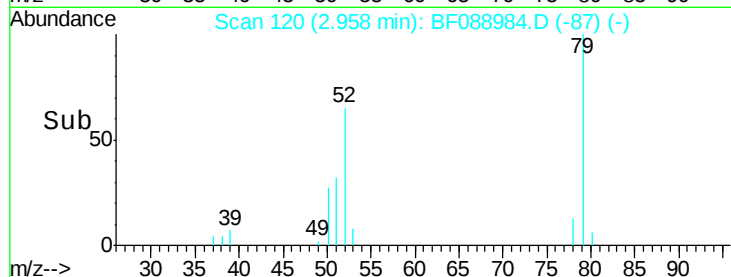
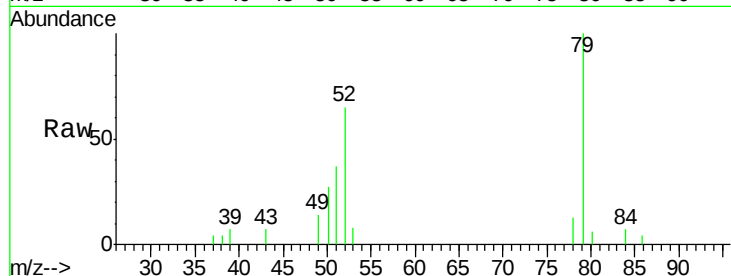
Tgt Ion: 79 Resp: 30307

Ion Ratio Lower Upper

79 100

52 65.5 56.3 84.5

51 36.7 27.4 41.2



#4

n-Nitrosodimethylamine

Concen: 4.88 ng

RT: 2.84 min Scan# 110

Delta R.T. 0.01 min

Lab File: BF088984.D

Acq: 14 Jul 2016 13:53

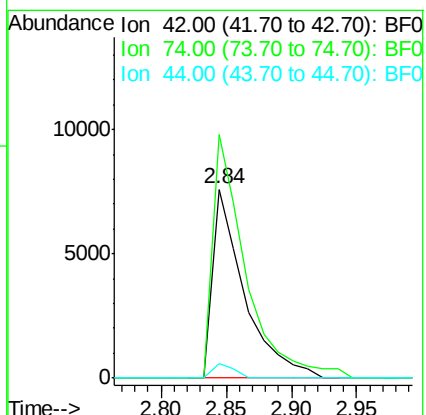
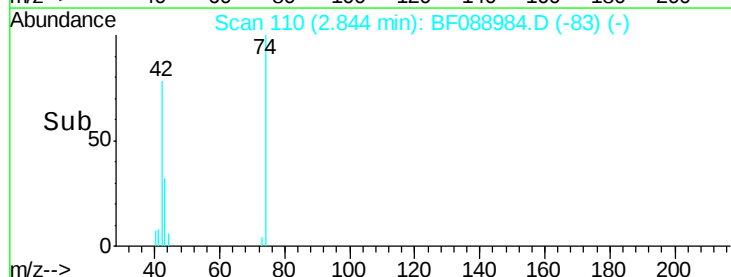
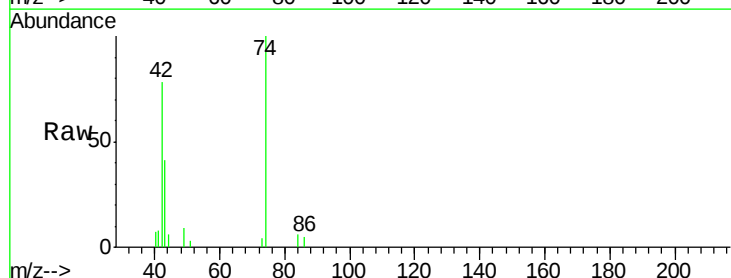
Tgt Ion: 42 Resp: 12920

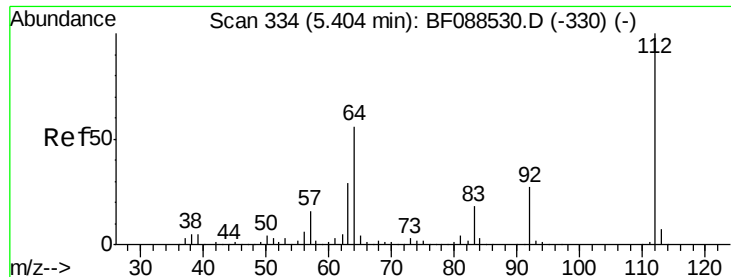
Ion Ratio Lower Upper

42 100

74 128.9 108.6 163.0

44 7.4 5.5 8.3





#5

2-Fluorophenol

Concen: 97.17 ng

RT: 5.29 min Scan# 324

Delta R.T. 0.00 min

Lab File: BF088984.D

Acq: 14 Jul 2016 13:53

Instrument :

BNA_F

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LOD-SOIL2016-01

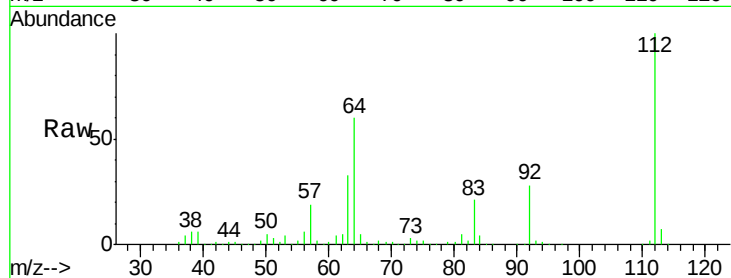
Tgt Ion: 112 Resp: 467792

Ion Ratio Lower Upper

112 100

64 59.9 42.2 63.2

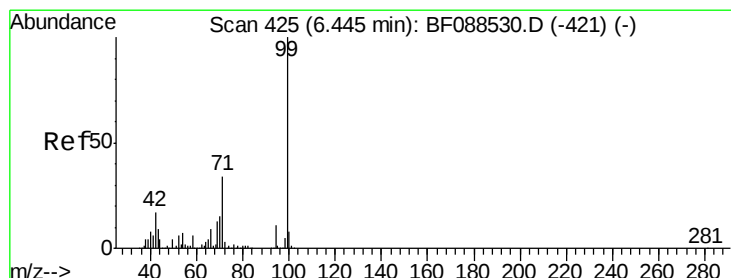
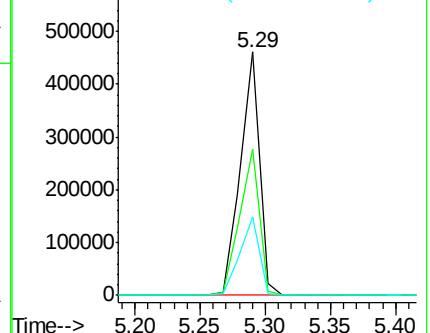
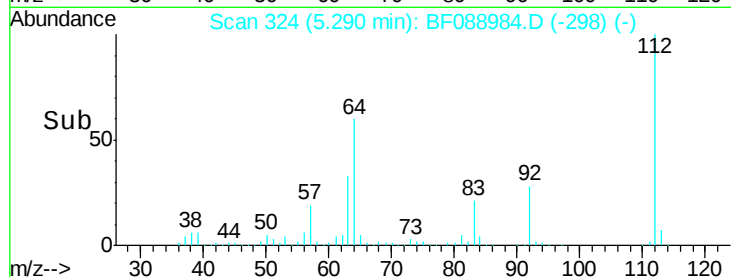
63 32.5 21.8 32.8



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



#7

Phenol-d6

Concen: 107.57 ng

RT: 6.34 min Scan# 416

Delta R.T. -0.01 min

Lab File: BF088984.D

Acq: 14 Jul 2016 13:53

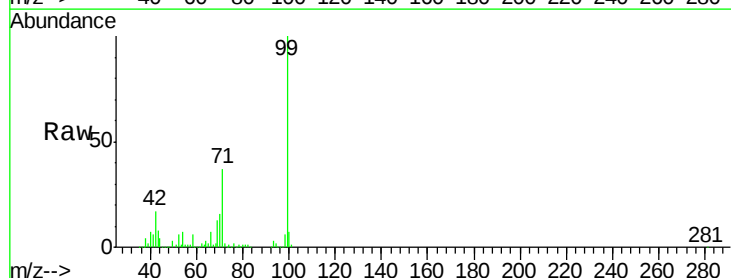
Tgt Ion: 99 Resp: 669145

Ion Ratio Lower Upper

99 100

42 17.0 12.2 18.2

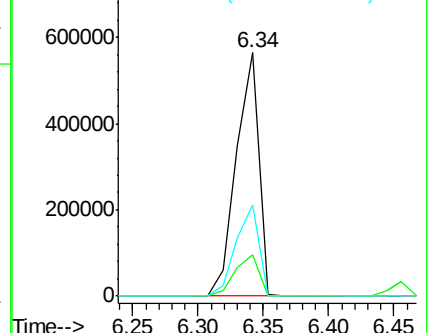
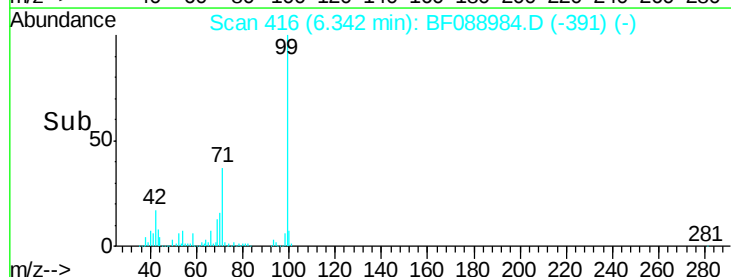
71 37.3 23.4 35.0#

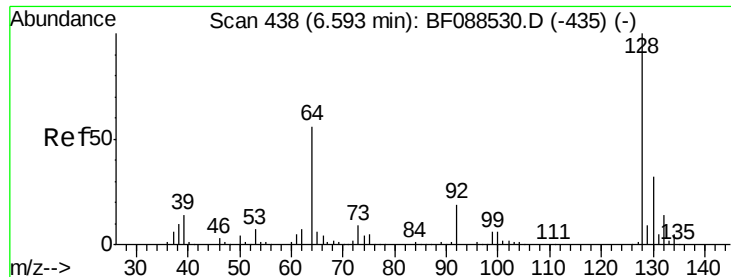


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0

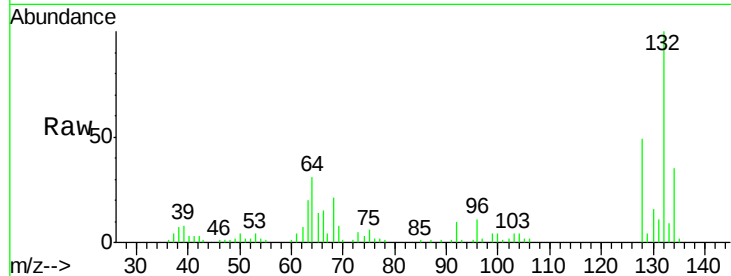




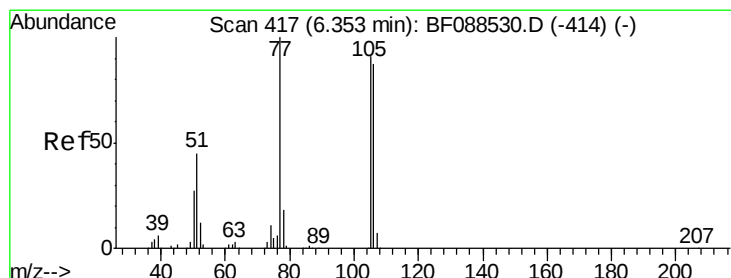
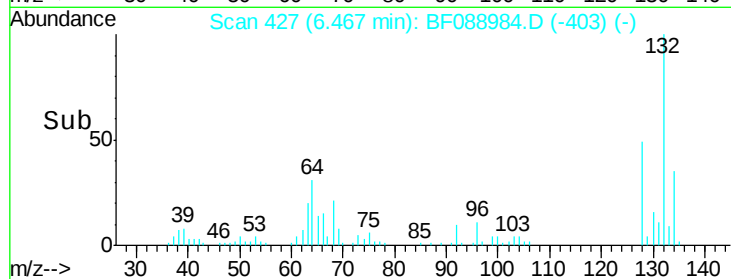
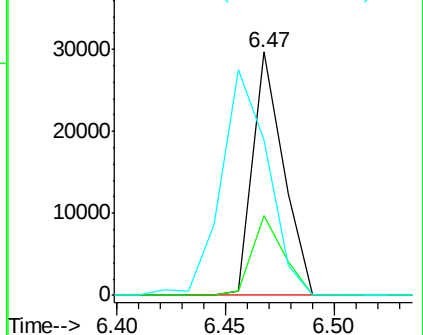
#8
2-Chlorophenol
Concen: 5.65 ng
RT: 6.47 min Scan# 427
Delta R.T. -0.02 min
Lab File: BF088984.D
Acq: 14 Jul 2016 13:53

Instrument :
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Tgt Ion	Ratio	Lower	Upper
128	100		
130	32.9	12.0	52.0
64	63.5	30.8	70.8

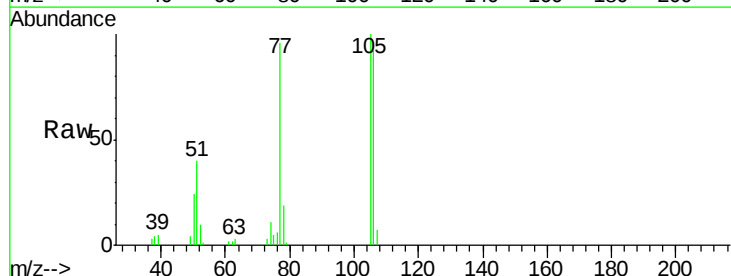


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 64.00 (63.70 to 64.70): BF0

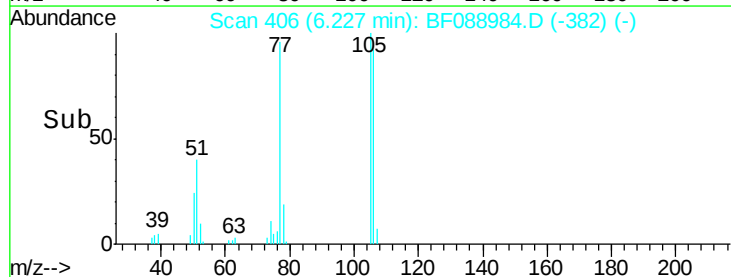
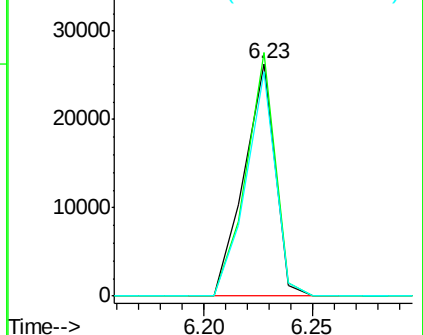


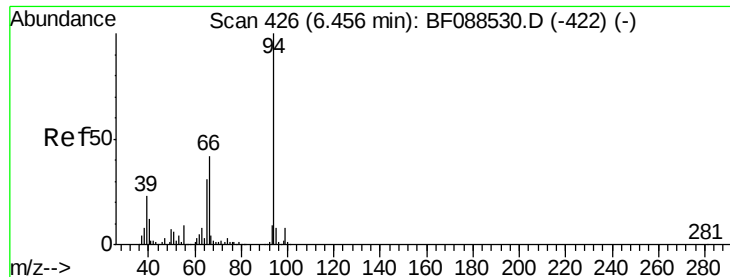
#9
Benzaldehyde
Concen: 6.18 ng
RT: 6.23 min Scan# 406
Delta R.T. -0.02 min
Lab File: BF088984.D
Acq: 14 Jul 2016 13:53

Tgt Ion	Ratio	Lower	Upper
77	100		
105	104.7	90.6	130.6
106	96.7	85.3	125.3



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





#10

Phenol

Concen: 4.64 ng

RT: 6.35 min Scan# 417

Delta R.T. -0.01 min

Lab File: BF088984.D

Acq: 14 Jul 2016 13:53

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

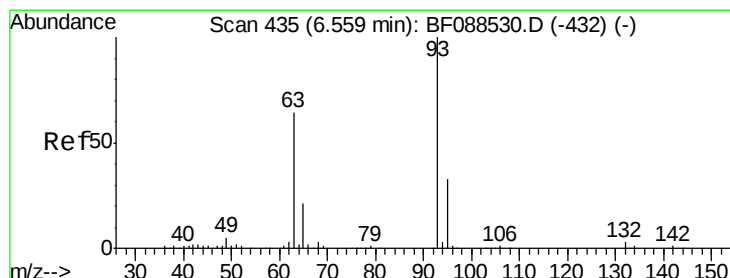
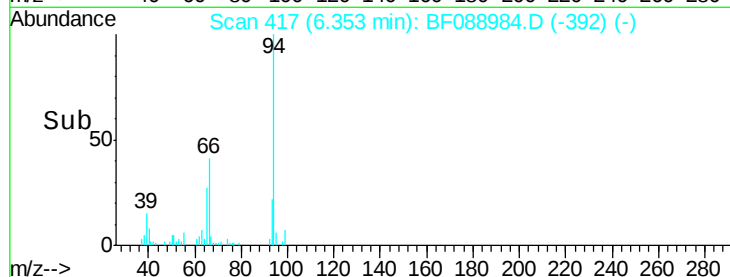
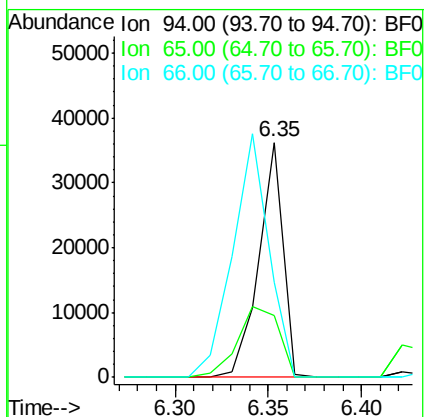
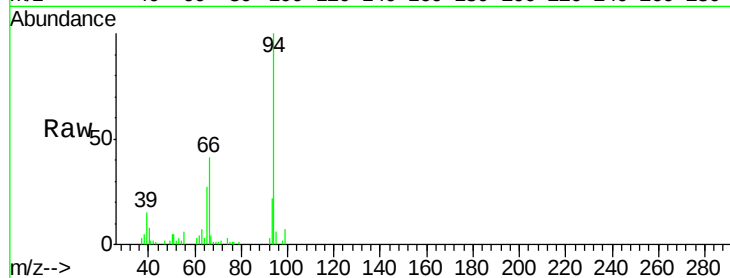
Tgt Ion: 94 Resp: 32963

Ion Ratio Lower Upper

94 100

65 26.5 5.9 45.9

66 40.5 14.0 54.0



#11

bis(2-Chloroethyl)ether

Concen: 5.27 ng

RT: 6.43 min Scan# 424

Delta R.T. -0.02 min

Lab File: BF088984.D

Acq: 14 Jul 2016 13:53

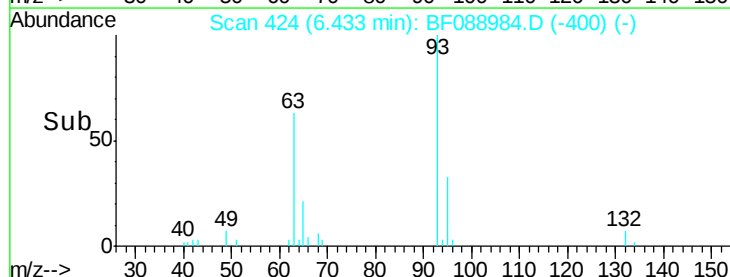
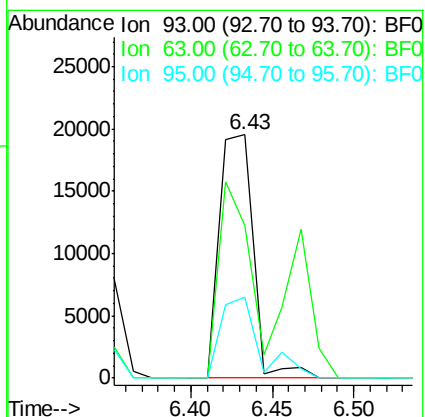
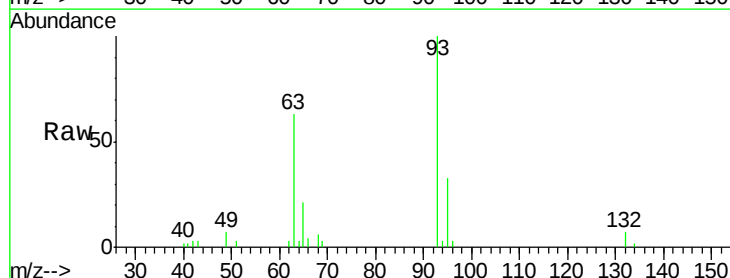
Tgt Ion: 93 Resp: 27898

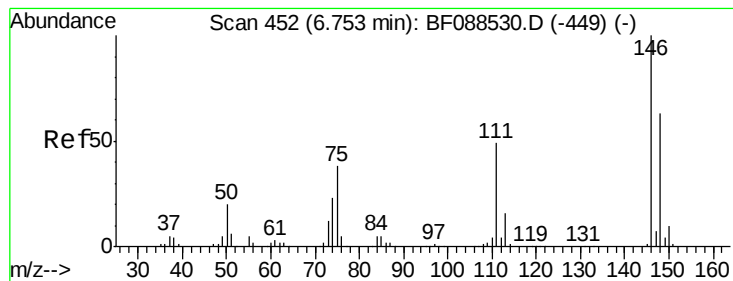
Ion Ratio Lower Upper

93 100

63 62.6 67.6 107.6#

95 33.4 12.5 52.5





#12

1,3-Dichlorobenzene

Concen: 5.99 ng

RT: 6.86 min Scan# 461

Delta R.T. 0.21 min

Lab File: BF088984.D

Acq: 14 Jul 2016 13:53

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ClientSampleId :

LOD-SOIL2016-01

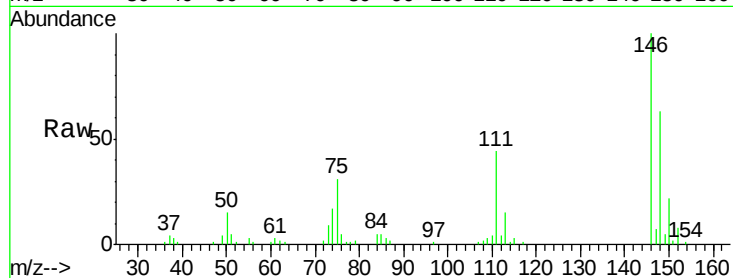
Tgt Ion:146 Resp: 34092

Ion Ratio Lower Upper

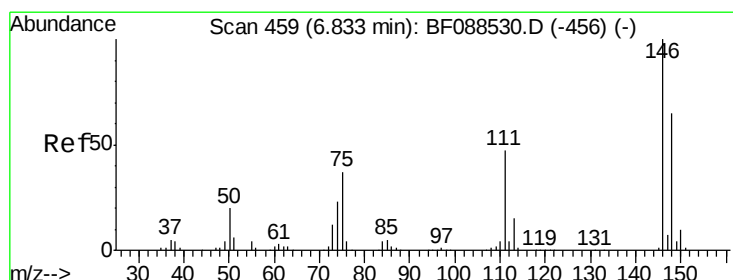
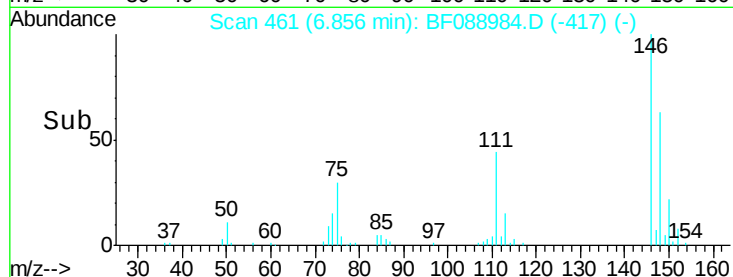
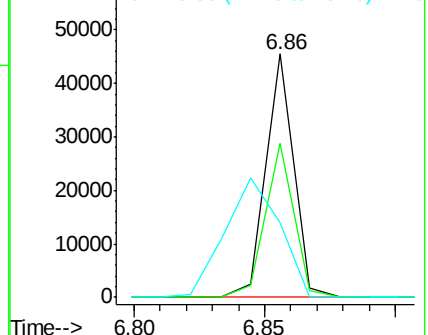
146 100

148 63.1 50.9 76.3

75 30.7 25.6 38.4



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 75.00 (74.70 to 75.70): E



#13

1,4-Dichlorobenzene

Concen: 5.30 ng

RT: 6.71 min Scan# 448

Delta R.T. -0.02 min

Lab File: BF088984.D

Acq: 14 Jul 2016 13:53

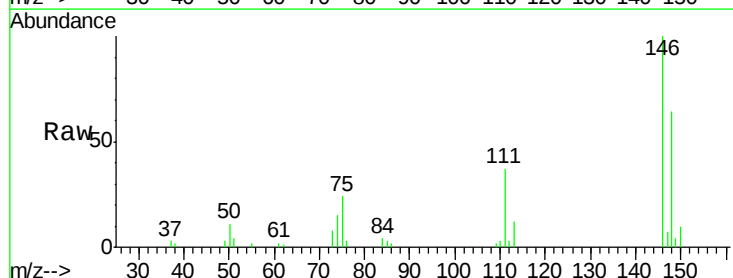
Tgt Ion:146 Resp: 29967

Ion Ratio Lower Upper

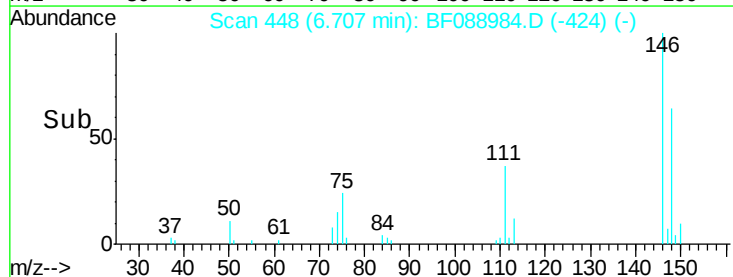
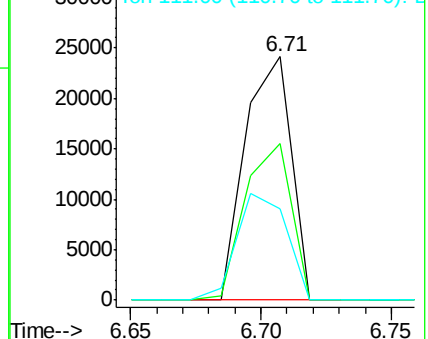
146 100

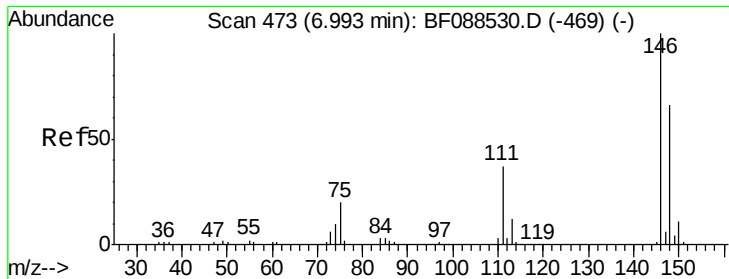
148 64.5 52.0 78.0

111 37.5 33.8 50.8



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

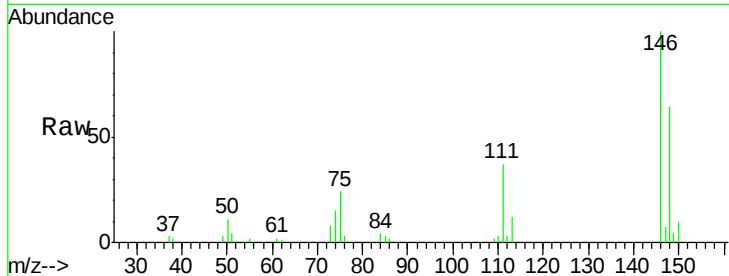




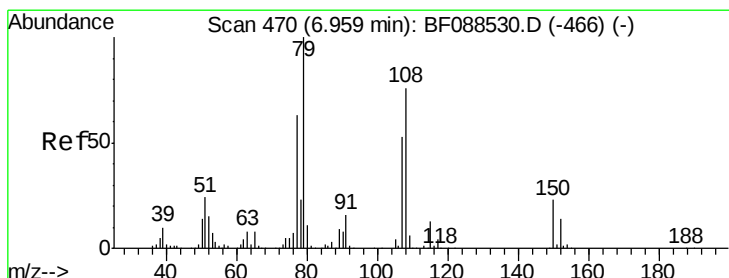
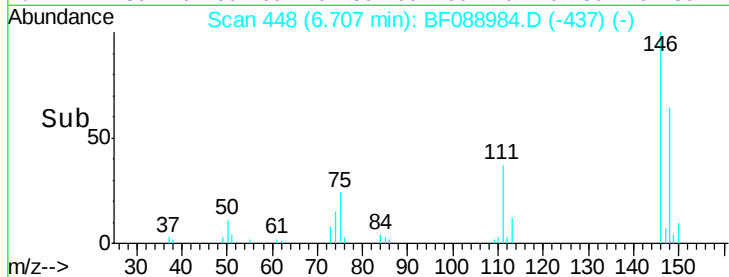
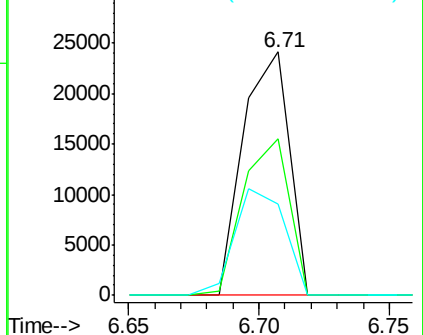
#14
 1,2-Dichlorobenzene
 Concen: 5.66 ng
 RT: 6.71 min Scan# 448
 Delta R.T. -0.17 min
 Lab File: BF088984.D
 Acq: 14 Jul 2016 13:53

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01

Tgt Ion: 146 Resp: 29967
 Ion Ratio Lower Upper
 146 100
 148 64.5 52.3 78.5
 111 37.5 28.7 43.1

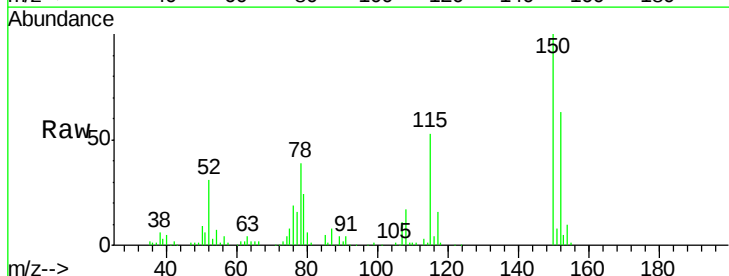


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

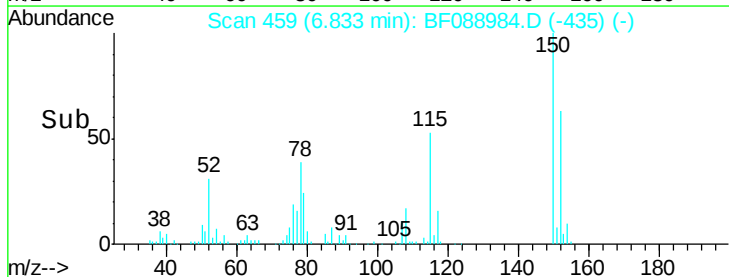
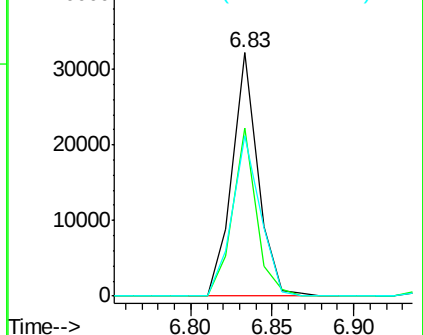


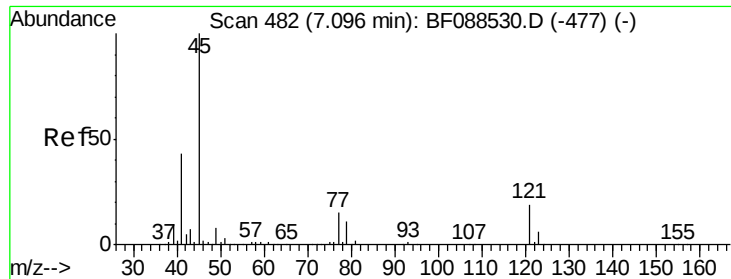
#15
 Benzyl Alcohol
 Concen: 7.68 ng
 RT: 6.83 min Scan# 459
 Delta R.T. -0.02 min
 Lab File: BF088984.D
 Acq: 14 Jul 2016 13:53

Tgt Ion: 79 Resp: 35180
 Ion Ratio Lower Upper
 79 100
 108 68.9 65.0 97.6
 77 66.1 50.3 75.5



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

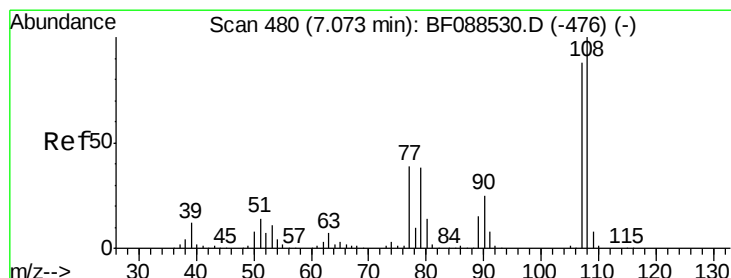
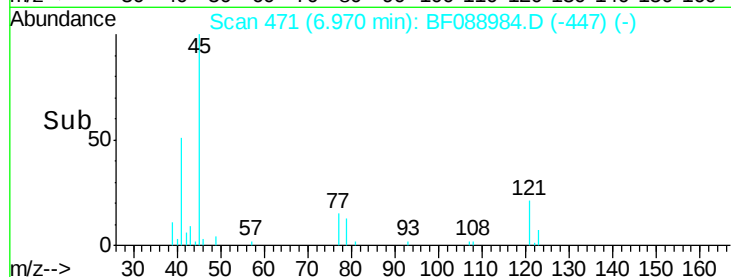
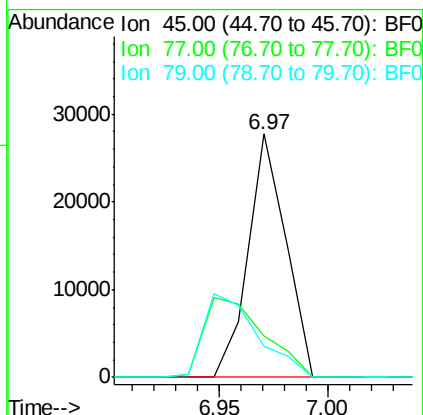
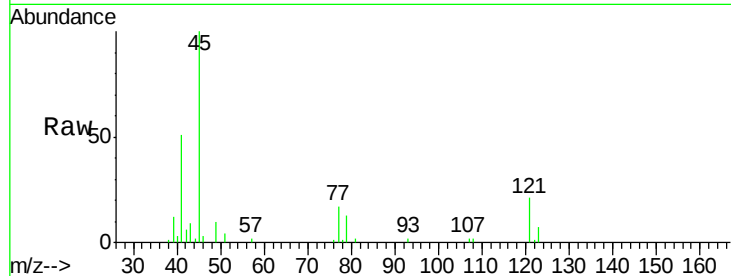




#16
2,2'-oxybis(1-chloropropane)
Concen: 4.34 ng
RT: 6.97 min Scan# 471
Delta R.T. -0.02 min
Lab File: BF088984.D
Acq: 14 Jul 2016 13:53

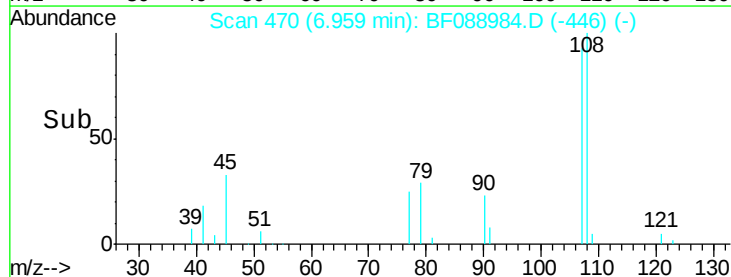
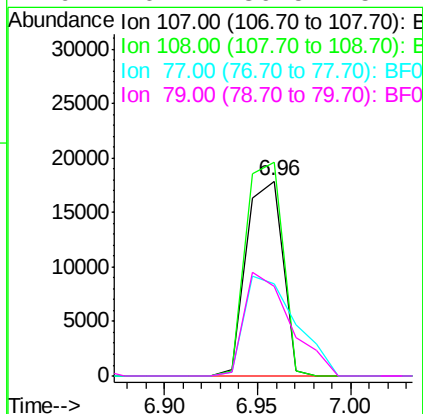
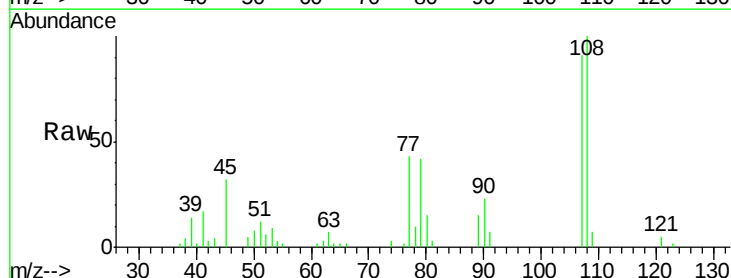
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2016-01

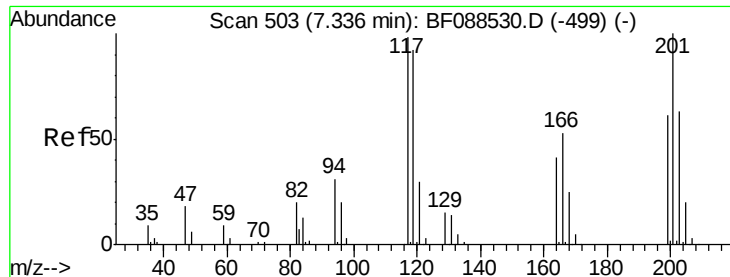
Tgt Ion: 45 Resp: 33310
Ion Ratio Lower Upper
45 100
77 17.1 0.0 32.5
79 12.6 0.0 29.5



#17
2-Methylphenol
Concen: 5.73 ng
RT: 6.96 min Scan# 470
Delta R.T. -0.02 min
Lab File: BF088984.D
Acq: 14 Jul 2016 13:53

Tgt Ion: 107 Resp: 24175
Ion Ratio Lower Upper
107 100
108 109.4 90.9 136.3
77 47.1 36.6 55.0
79 46.1 36.5 54.7

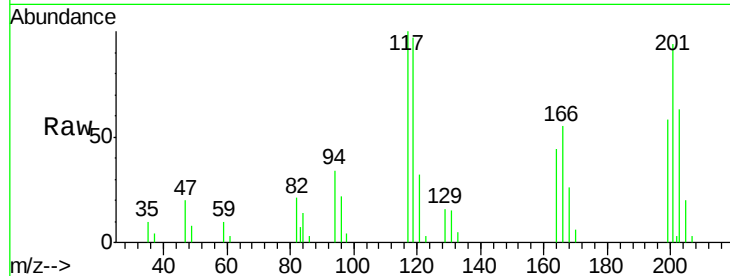




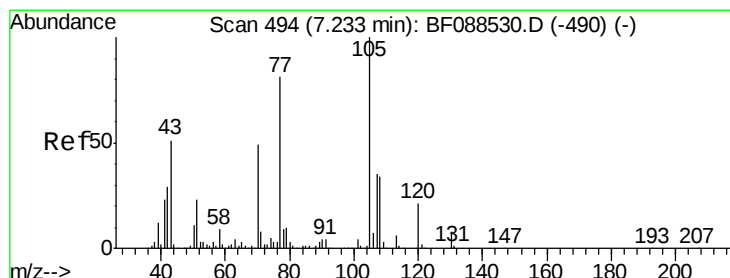
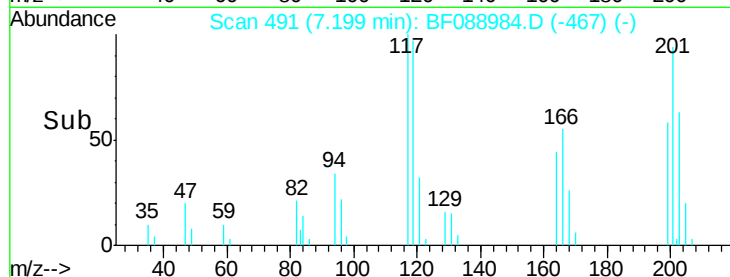
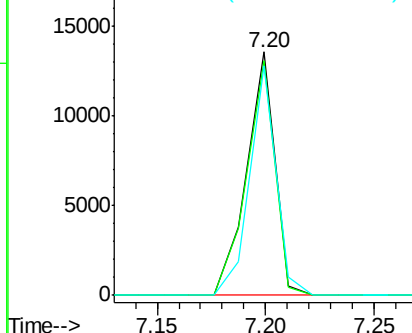
#18
Hexachloroethane
Concen: 5.61 ng
RT: 7.20 min Scan# 491
Delta R.T. -0.02 min
Lab File: BF088984.D
Acq: 14 Jul 2016 13:53

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2016-01

Tgt Ion: 117 Resp: 12261
Ion Ratio Lower Upper
117 100
119 96.6 77.4 116.2
201 94.3 80.4 120.6



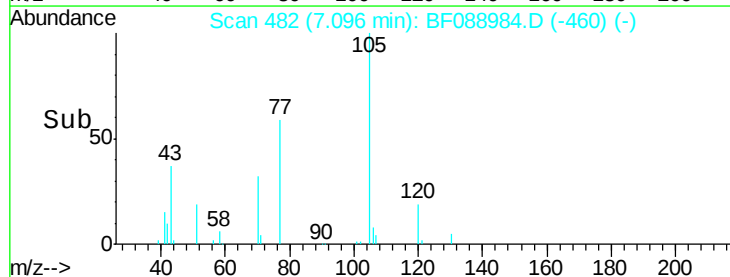
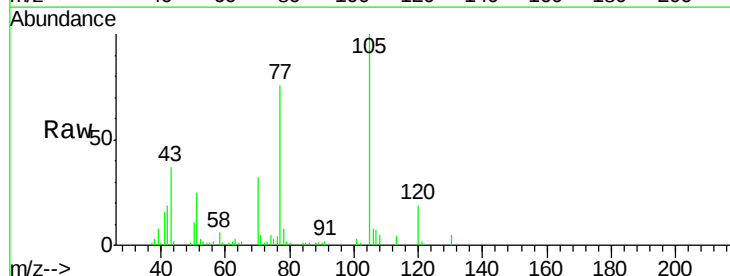
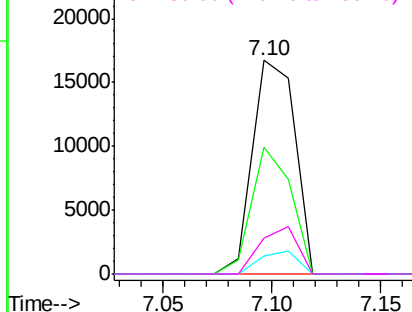
Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

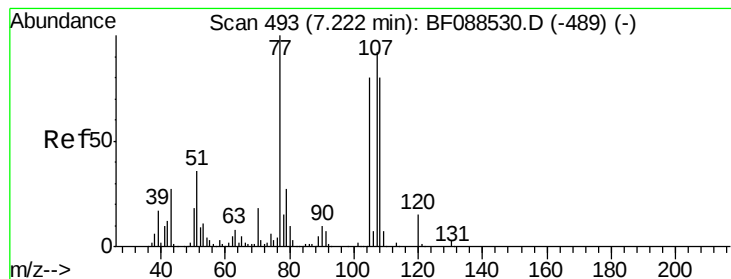


#19
n-Nitroso-di-n-propylamine
Concen: 5.46 ng
RT: 7.10 min Scan# 482
Delta R.T. -0.05 min
Lab File: BF088984.D
Acq: 14 Jul 2016 13:53

Tgt Ion: 70 Resp: 22809
Ion Ratio Lower Upper
70 100
42 59.1 49.6 74.4
101 8.3 7.1 10.7
130 17.0 15.4 23.2

Abundance Ion 70.00 (69.70 to 70.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 101.00 (100.70 to 101.70): E
Ion 130.00 (129.70 to 130.70): E





#20

3+4-Methylphenols

Concen: 6.58 ng

RT: 7.11 min Scan# 483

Delta R.T. -0.02 min

Lab File: BF088984.D

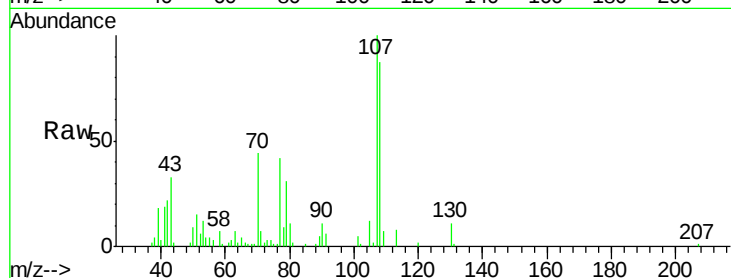
Acq: 14 Jul 2016 13:53

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01



Tgt Ion:107 Resp: 33331

Ion Ratio Lower Upper

107 100

108 86.8 67.8 107.8

77 41.6 59.3 99.3#

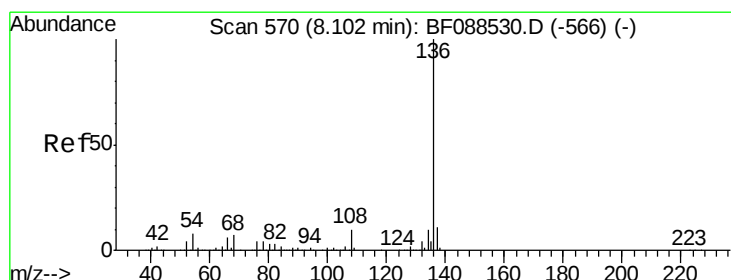
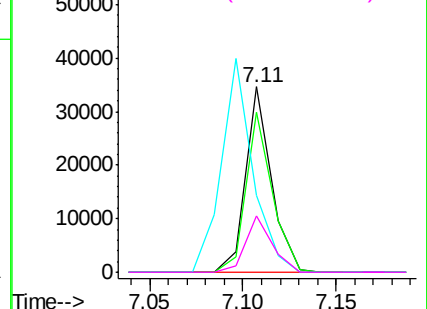
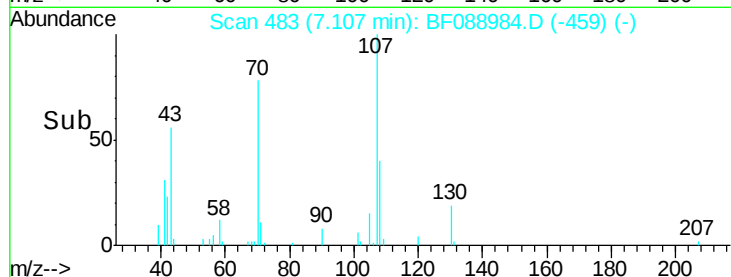
79 30.6 7.0 47.0

Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.96 min Scan# 558

Delta R.T. -0.03 min

Lab File: BF088984.D

Acq: 14 Jul 2016 13:53

Tgt Ion:136 Resp: 288682

Ion Ratio Lower Upper

136 100

137 11.2 9.1 13.7

54 8.9 6.6 10.0

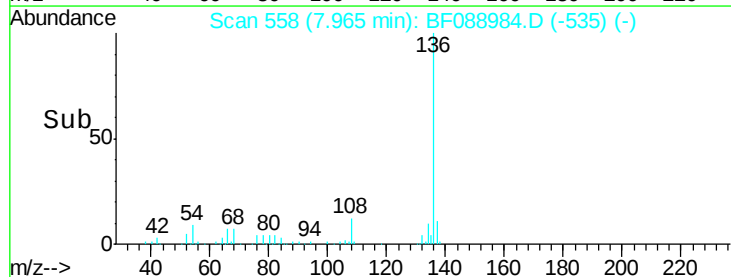
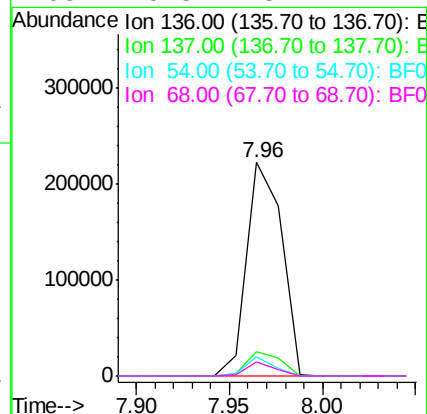
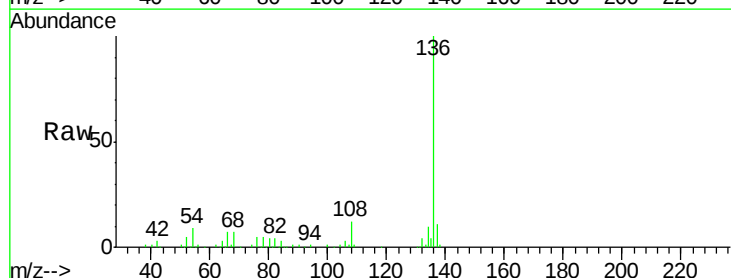
68 6.5 5.1 7.7

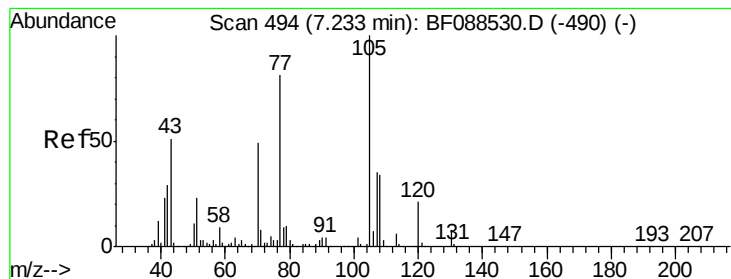
Abundance Ion 136.00 (135.70 to 136.70): E

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: 6.70 ng

RT: 7.10 min Scan# 482

Delta R.T. -0.03 min

Lab File: BF088984.D

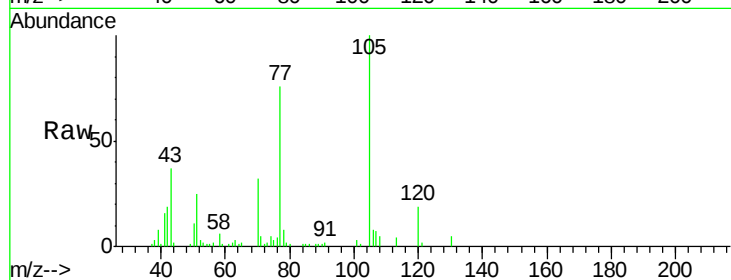
Acq: 14 Jul 2016 13:53

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01



Tgt Ion: 105 Resp: 46960

Ion Ratio Lower Upper

105 100

71 5.1 5.3 7.9#

51 25.2 18.2 27.4

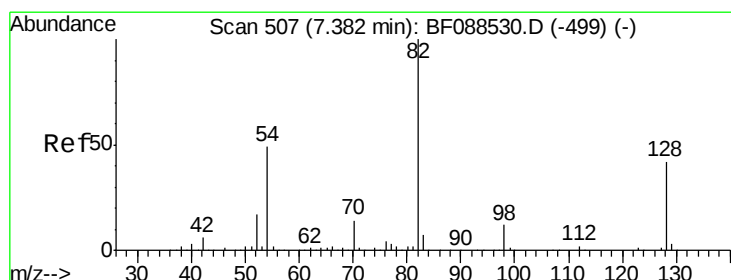
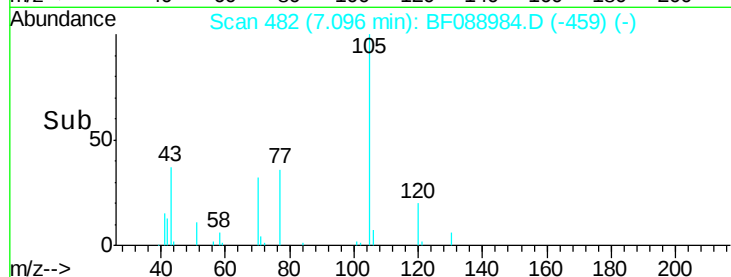
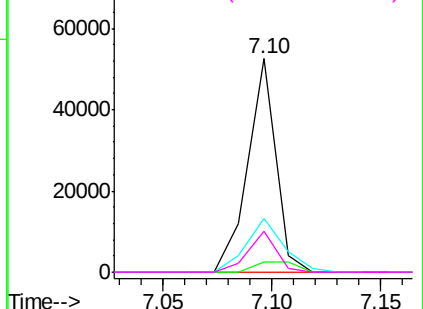
120 19.4 18.0 27.0

Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E



#23

Nitrobenzene-d5

Concen: 77.53 ng

RT: 7.26 min Scan# 496

Delta R.T. -0.02 min

Lab File: BF088984.D

Acq: 14 Jul 2016 13:53

Tgt Ion: 82 Resp: 427106

Ion Ratio Lower Upper

82 100

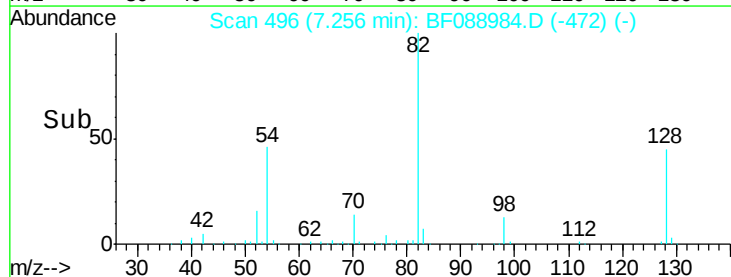
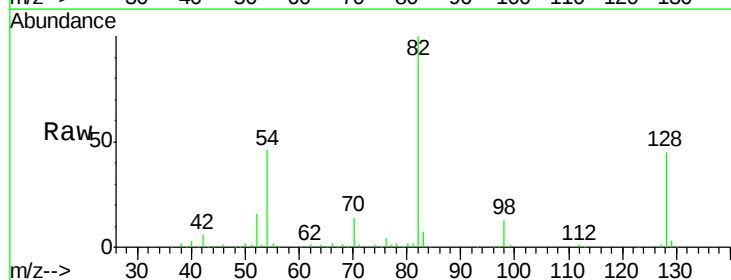
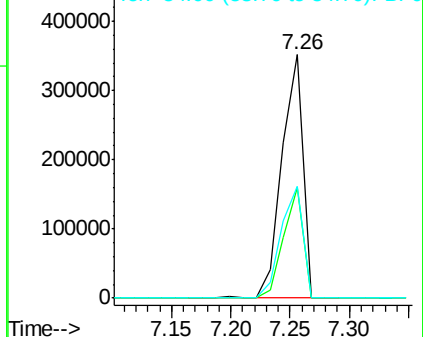
128 45.4 35.9 53.9

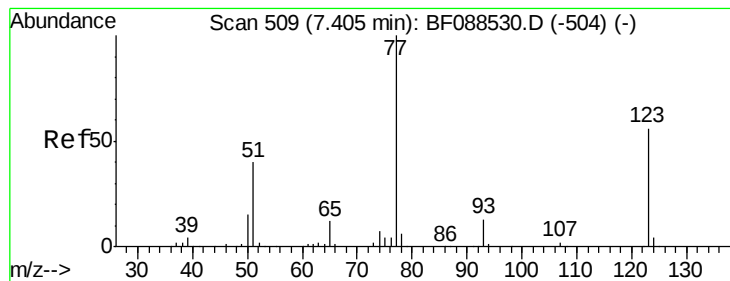
54 45.7 40.9 61.3

Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#24

Nitrobenzene

Concen: 7.00 ng

RT: 7.27 min Scan# 497

Delta R.T. -0.03 min

Lab File: BF088984.D

Acq: 14 Jul 2016 13:53

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

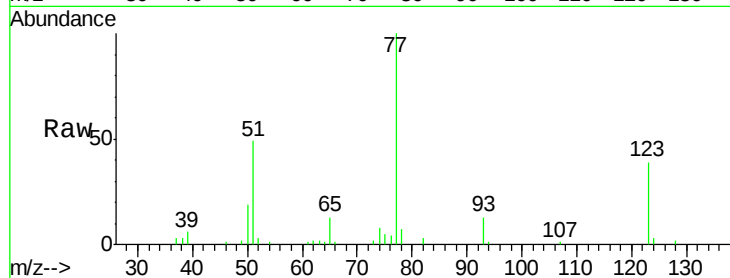
Tgt Ion: 77 Resp: 38905

Ion Ratio Lower Upper

77 100

123 39.1 45.0 67.4#

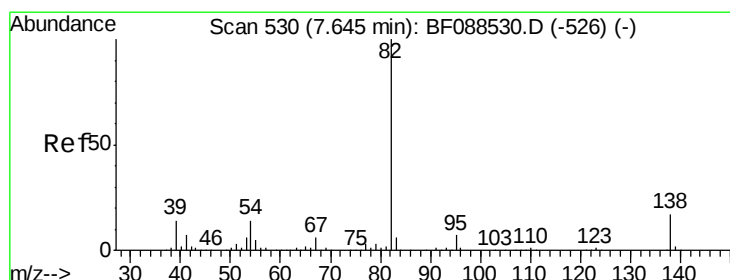
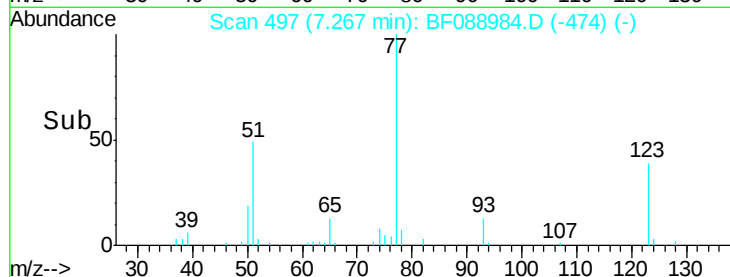
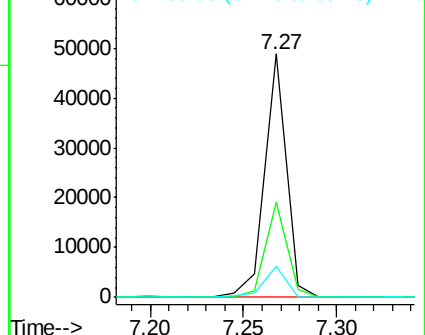
65 12.9 10.2 15.2



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 123.00 (122.70 to 123.70): BF0

Ion 65.00 (64.70 to 65.70): BF0



#25

Isophorone

Concen: 6.22 ng

RT: 7.51 min Scan# 518

Delta R.T. -0.03 min

Lab File: BF088984.D

Acq: 14 Jul 2016 13:53

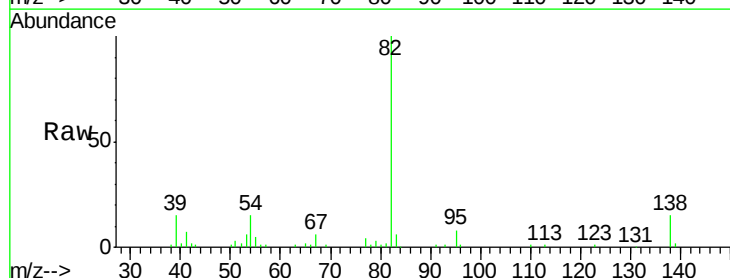
Tgt Ion: 82 Resp: 63434

Ion Ratio Lower Upper

82 100

95 7.5 5.4 8.2

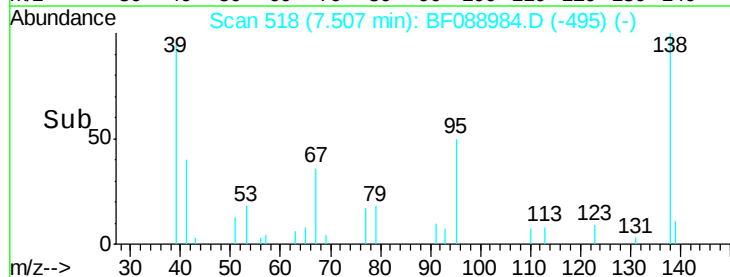
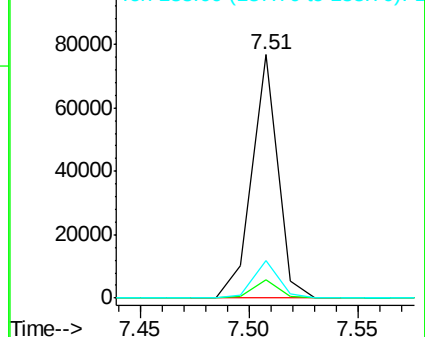
138 15.2 14.6 21.8

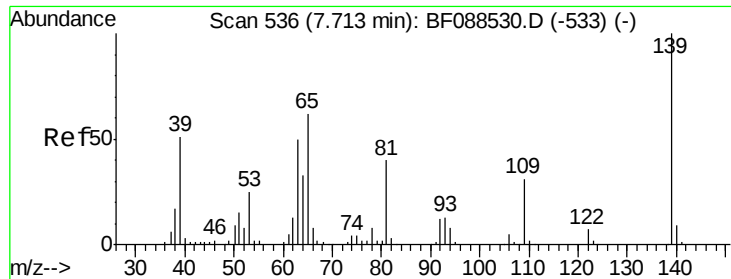


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0

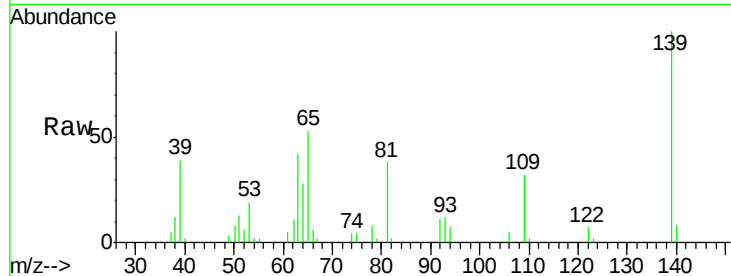




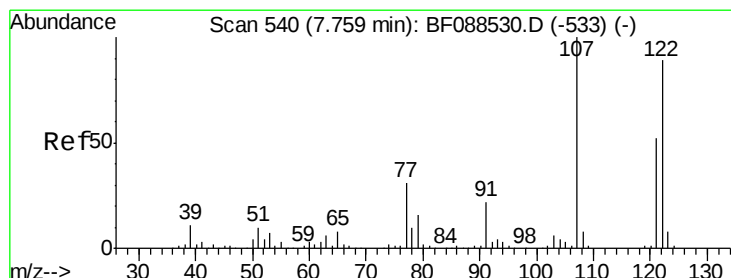
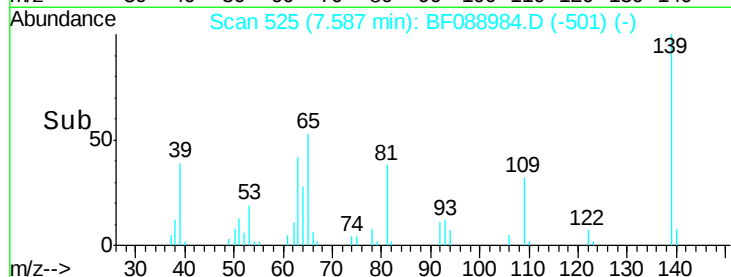
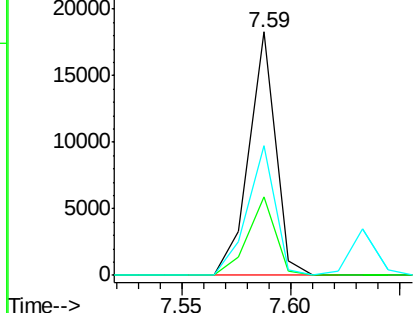
#26
2-Nitrophenol
Concen: 6.85 ng
RT: 7.59 min Scan# 525
Delta R.T. -0.02 min
Lab File: BF088984.D
Acq: 14 Jul 2016 13:53

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2016-01

Tgt Ion:139 Resp: 15594
Ion Ratio Lower Upper
139 100
109 32.2 23.0 34.4
65 53.2 45.8 68.8

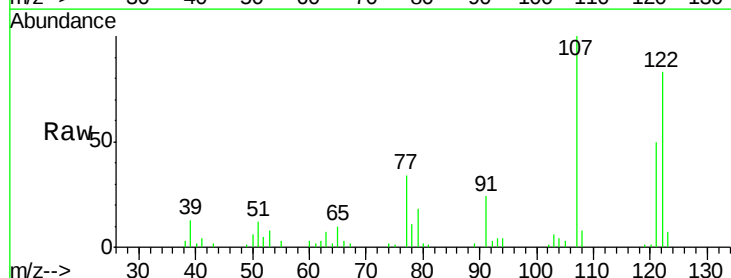


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

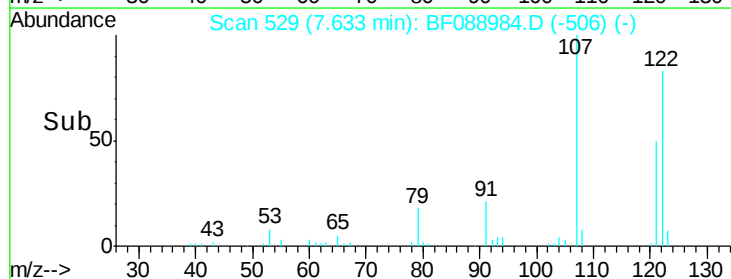
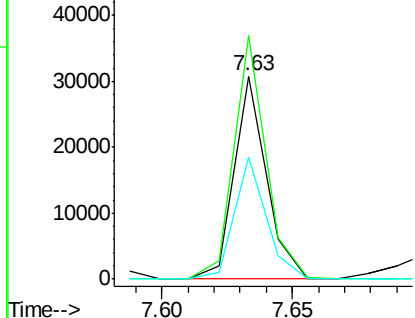


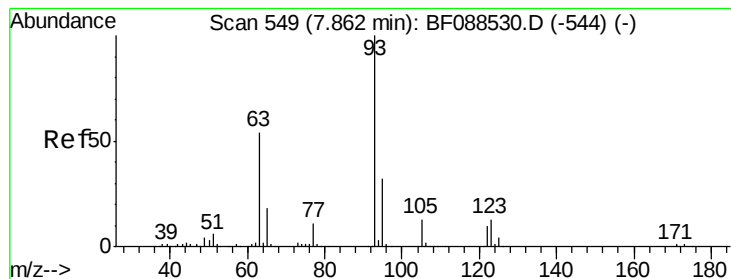
#27
2,4-Dimethylphenol
Concen: 5.60 ng
RT: 7.63 min Scan# 529
Delta R.T. -0.03 min
Lab File: BF088984.D
Acq: 14 Jul 2016 13:53

Tgt Ion:122 Resp: 26586
Ion Ratio Lower Upper
122 100
107 120.0 82.4 123.6
121 59.9 46.3 69.5



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: 5.41 ng

RT: 7.72 min Scan# 537

Delta R.T. -0.03 min

Lab File: BF088984.D

Acq: 14 Jul 2016 13:53

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

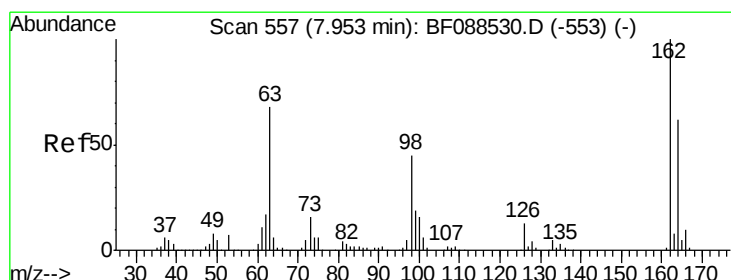
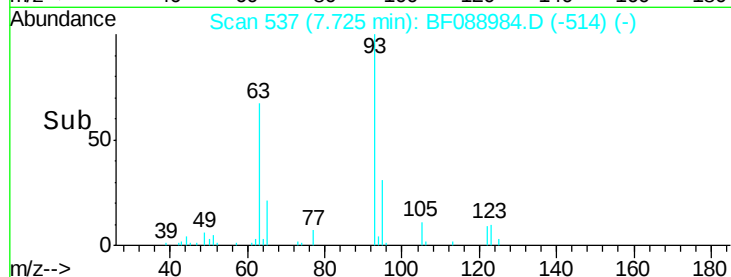
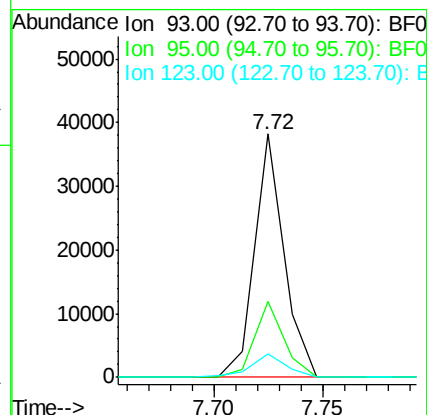
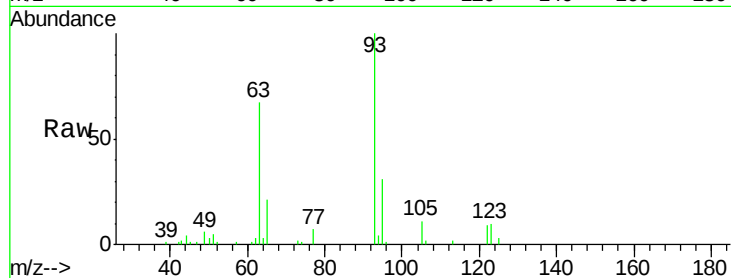
Tgt Ion: 93 Resp: 35938

Ion Ratio Lower Upper

93 100

95 31.4 26.5 39.7

123 9.6 11.6 17.4#



#29

2,4-Dichlorophenol

Concen: 6.15 ng

RT: 7.83 min Scan# 546

Delta R.T. -0.03 min

Lab File: BF088984.D

Acq: 14 Jul 2016 13:53

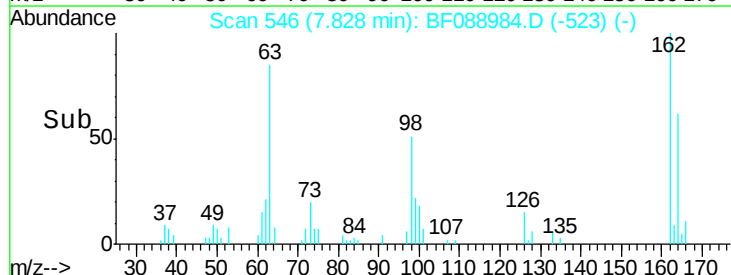
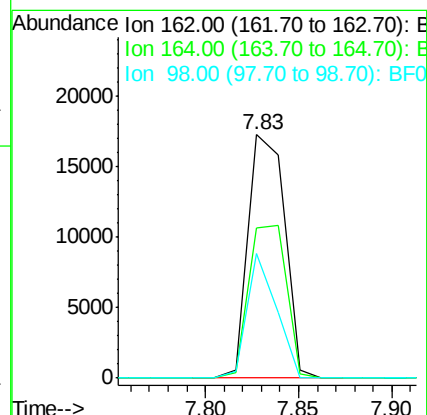
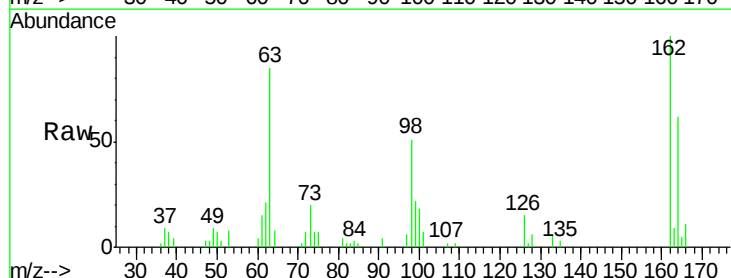
Tgt Ion: 162 Resp: 23561

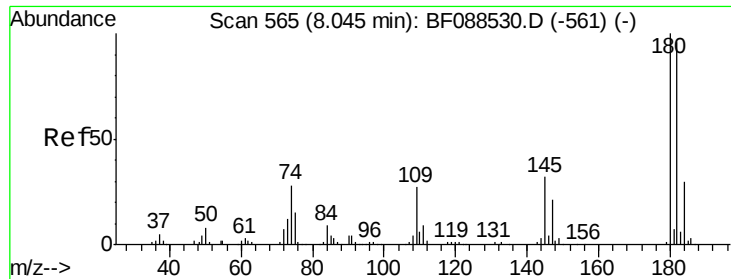
Ion Ratio Lower Upper

162 100

164 61.9 43.8 83.8

98 51.4 21.3 61.3

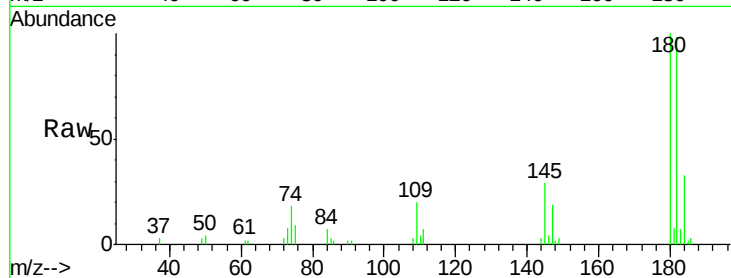




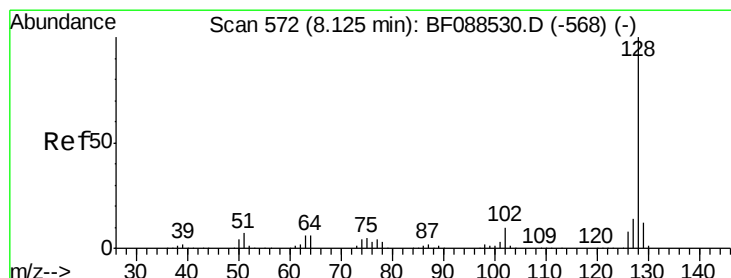
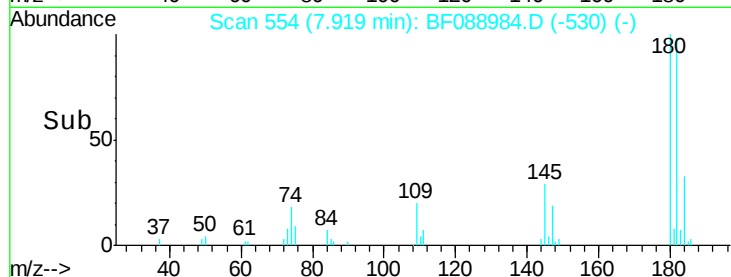
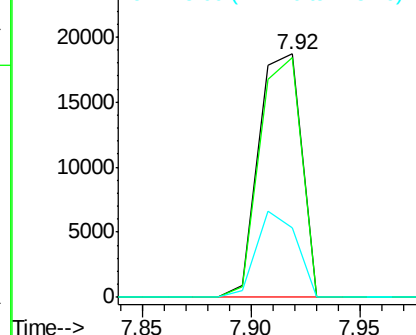
#30
 1,2,4-Trichlorobenzene
 Concen: 6.11 ng
 RT: 7.92 min Scan# 554
 Delta R.T. -0.02 min
 Lab File: BF088984.D
 Acq: 14 Jul 2016 13:53

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01

Tgt Ion:180 Resp: 25701
 Ion Ratio Lower Upper
 180 100
 182 98.4 76.0 114.0
 145 28.7 26.5 39.7

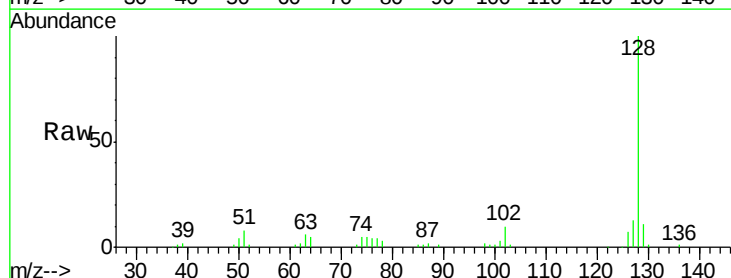


Abundance Ion 180.00 (179.70 to 180.70): E
 Ion 182.00 (181.70 to 182.70): E
 Ion 145.00 (144.70 to 145.70): E

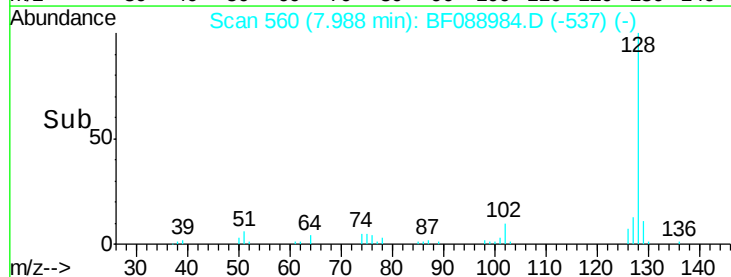
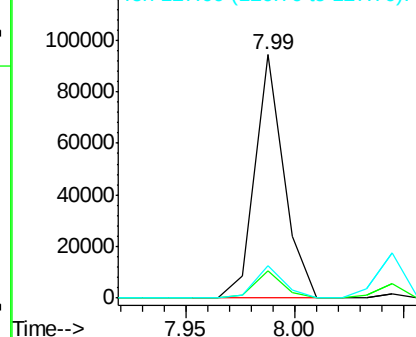


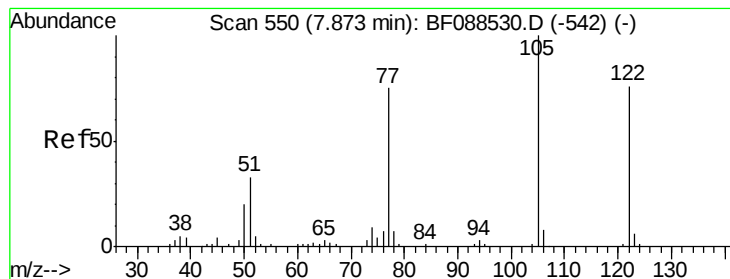
#31
 Naphthalene
 Concen: 6.12 ng
 RT: 7.99 min Scan# 560
 Delta R.T. -0.03 min
 Lab File: BF088984.D
 Acq: 14 Jul 2016 13:53

Tgt Ion:128 Resp: 87048
 Ion Ratio Lower Upper
 128 100
 129 11.0 9.4 14.2
 127 13.3 10.9 16.3



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: 3.55 ng

RT: 7.71 min Scan# 536

Delta R.T. -0.09 min

Lab File: BF088984.D

Acq: 14 Jul 2016 13:53

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

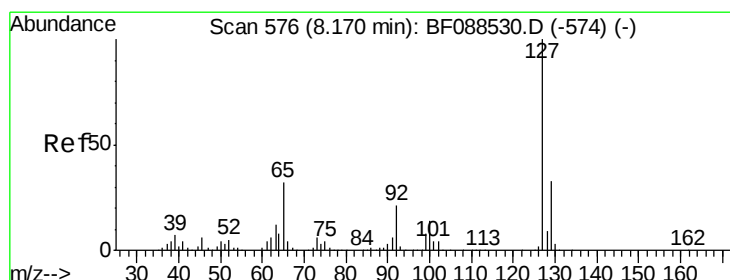
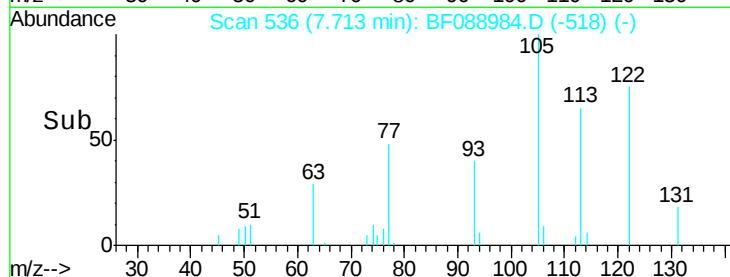
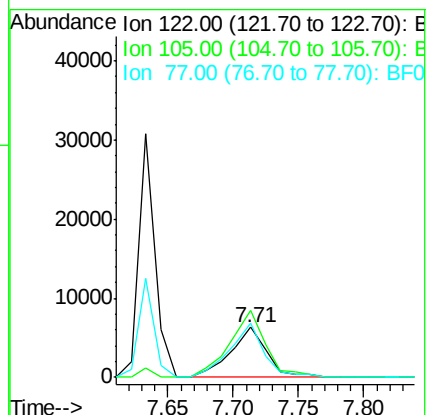
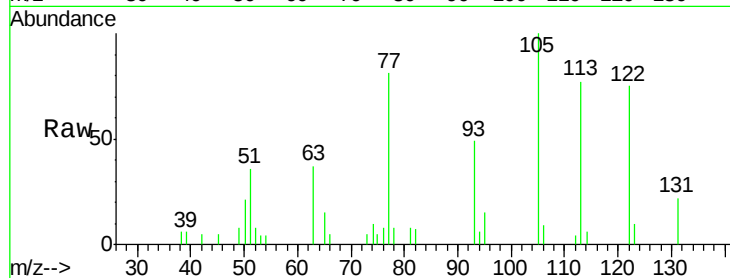
Tgt Ion:122 Resp: 12234

Ion Ratio Lower Upper

122 100

105 133.9 101.6 141.6

77 109.1 70.6 110.6



#33

4-Chloroaniline

Concen: 2.44 ng

RT: 8.04 min Scan# 565

Delta R.T. -0.02 min

Lab File: BF088984.D

Acq: 14 Jul 2016 13:53

Tgt Ion:127 Resp: 15450

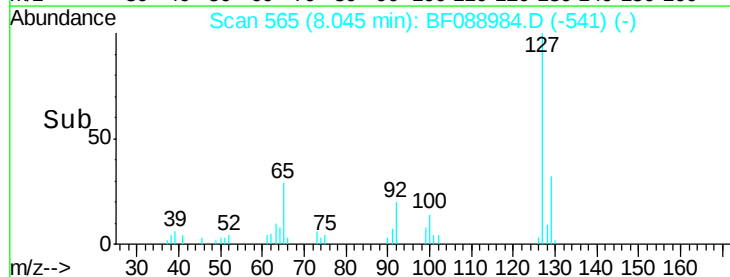
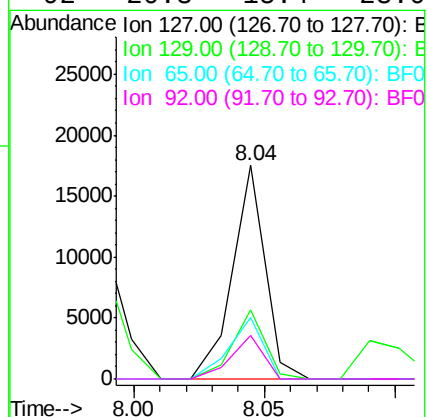
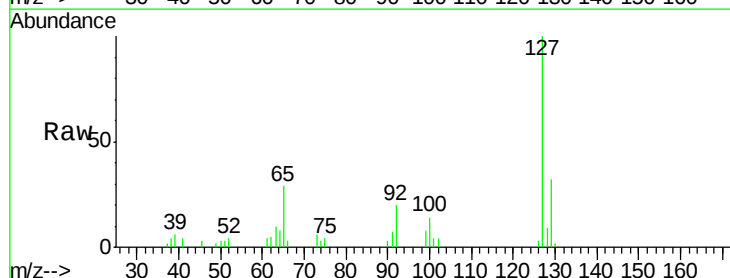
Ion Ratio Lower Upper

127 100

129 32.1 26.3 39.5

65 29.0 24.7 37.1

92 20.3 15.4 23.0





#34

Hexachlorobutadiene

Concen: 5.99 ng

RT: 8.11 min Scan# 571

Delta R.T. -0.03 min

Lab File: BF088984.D

Acq: 14 Jul 2016 13:53

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

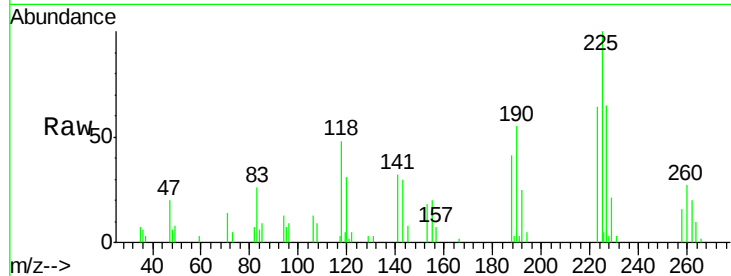
Tgt Ion:225 Resp: 13492

Ion Ratio Lower Upper

225 100

223 64.3 50.9 76.3

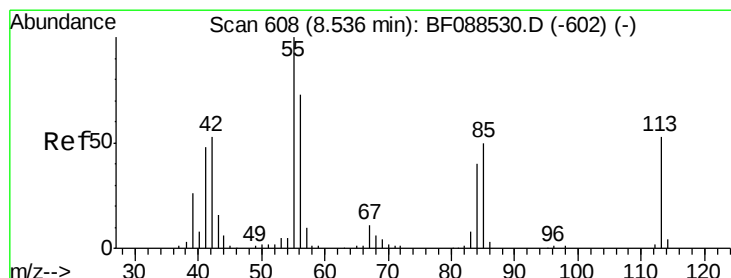
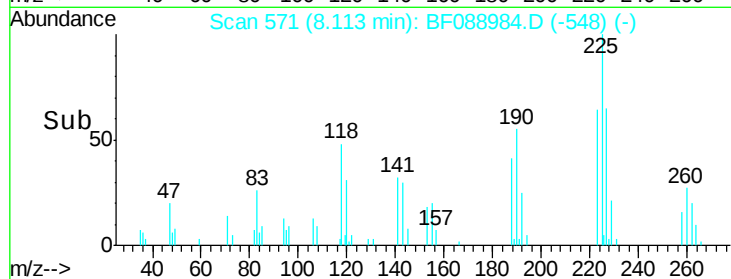
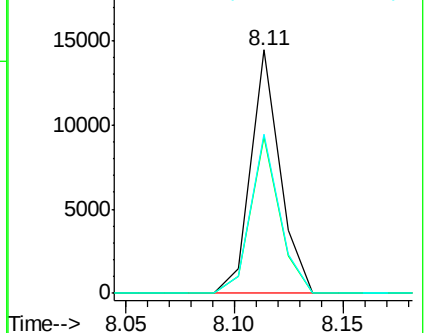
227 65.2 51.9 77.9



Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E



#35

Caprolactam

Concen: 6.12 ng

RT: 8.38 min Scan# 594

Delta R.T. -0.07 min

Lab File: BF088984.D

Acq: 14 Jul 2016 13:53

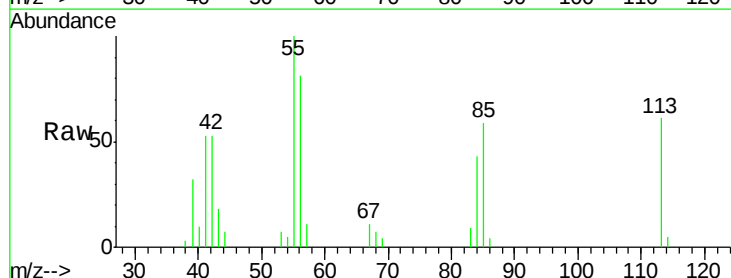
Tgt Ion:113 Resp: 7967

Ion Ratio Lower Upper

113 100

55 164.0 158.6 198.6

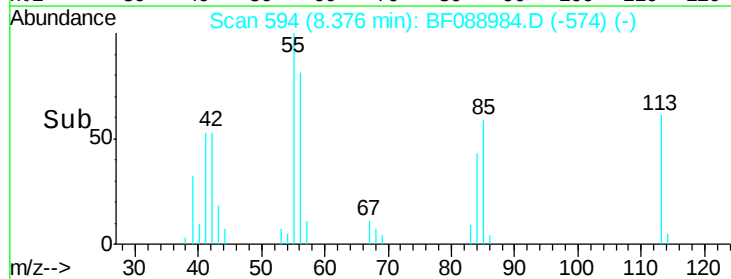
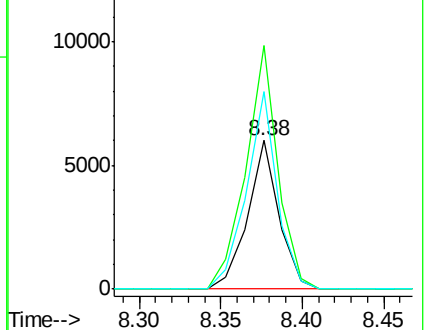
56 133.1 110.6 150.6

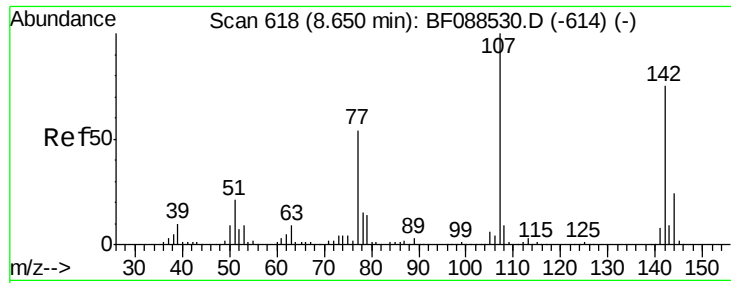


Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0

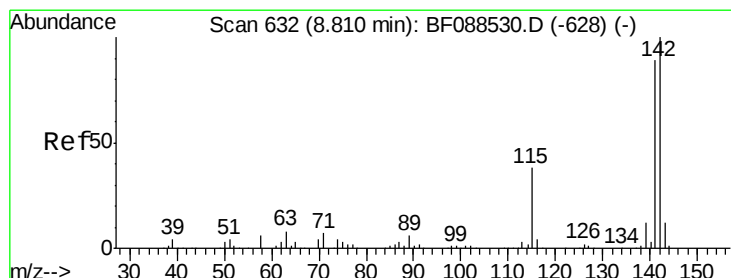
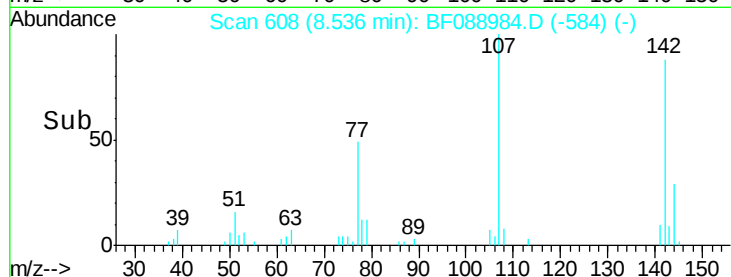
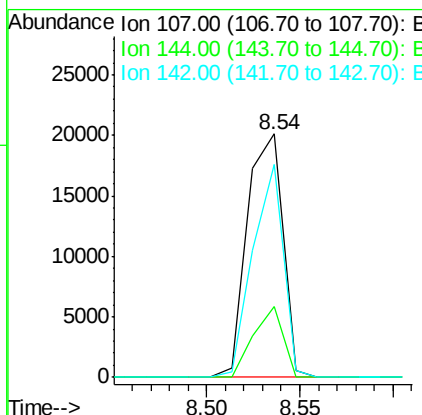
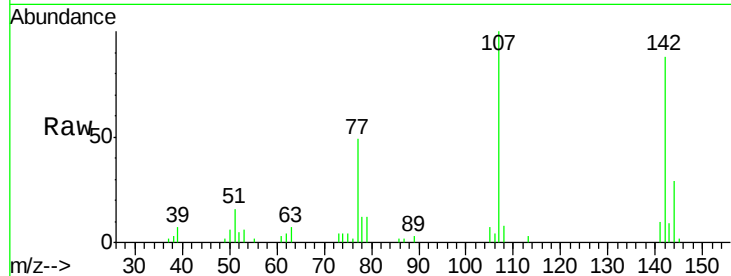




#36
 4-Chloro-3-methylphenol
 Concen: 5.85 ng
 RT: 8.54 min Scan# 608
 Delta R.T. -0.02 min
 Lab File: BF088984.D
 Acq: 14 Jul 2016 13:53

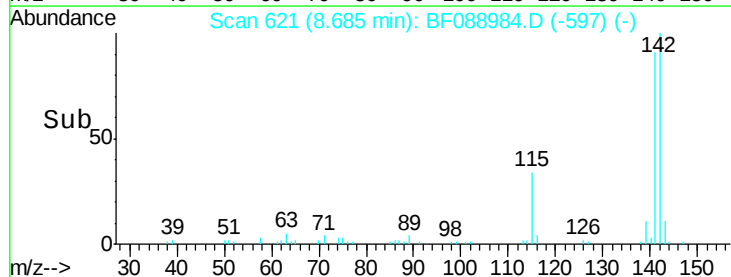
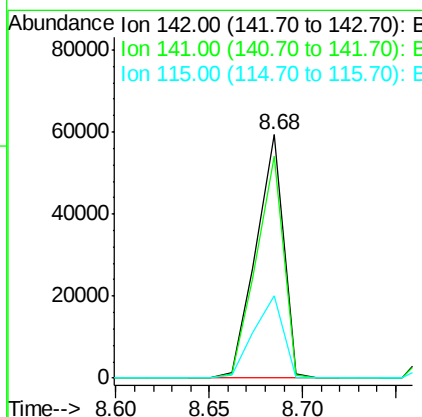
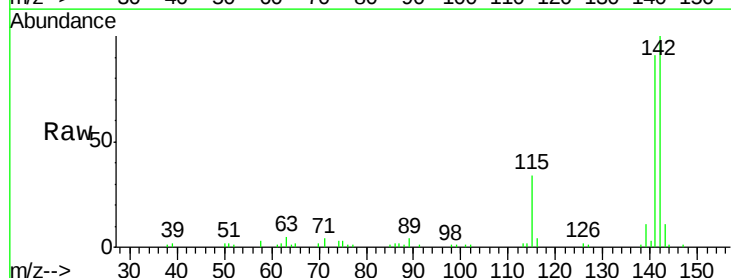
Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01

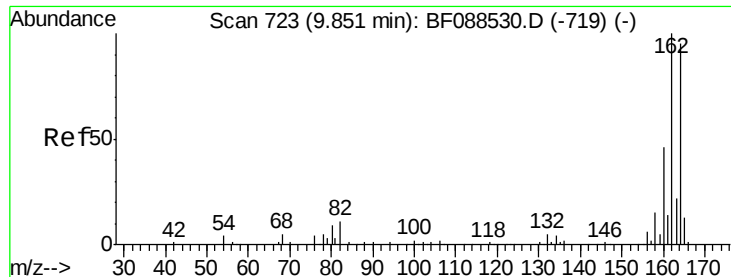
Tgt Ion:107 Resp: 26538
 Ion Ratio Lower Upper
 107 100
 144 29.2 20.8 31.2
 142 87.6 63.4 95.2



#37
 2-Methylnaphthalene
 Concen: 6.61 ng
 RT: 8.68 min Scan# 621
 Delta R.T. -0.02 min
 Lab File: BF088984.D
 Acq: 14 Jul 2016 13:53

Tgt Ion:142 Resp: 60537
 Ion Ratio Lower Upper
 142 100
 141 91.2 71.0 106.6
 115 33.7 22.6 33.8





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.71 min Scan# 711

Delta R.T. -0.03 min

Lab File: BF088984.D

Acq: 14 Jul 2016 13:53

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

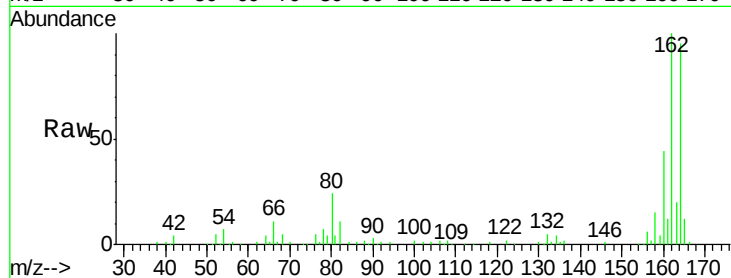
Tgt Ion:164 Resp: 137894

Ion Ratio Lower Upper

164 100

162 105.7 85.4 128.2

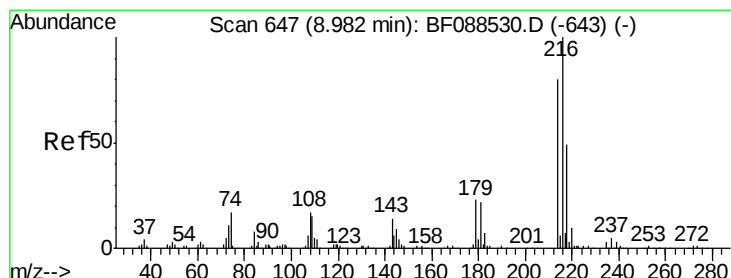
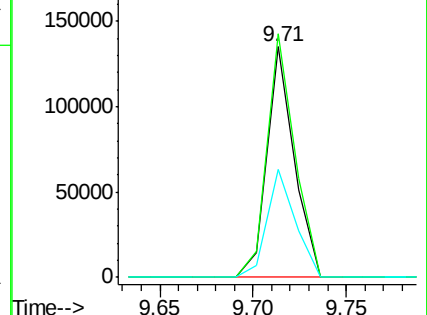
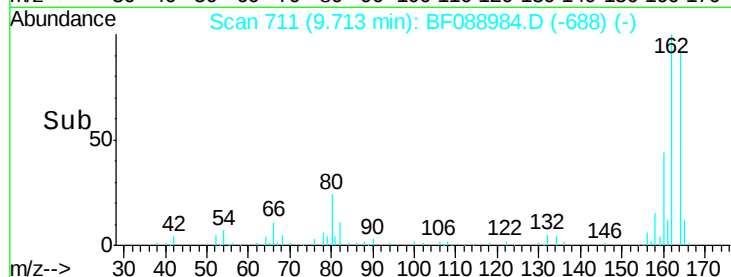
160 47.0 39.5 59.3



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: 5.28 ng

RT: 8.84 min Scan# 635

Delta R.T. -0.03 min

Lab File: BF088984.D

Acq: 14 Jul 2016 13:53

Tgt Ion:216 Resp: 24237

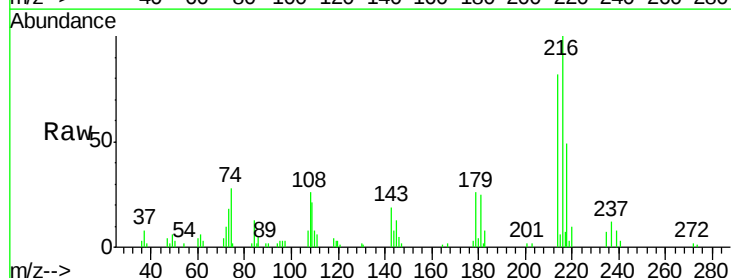
Ion Ratio Lower Upper

216 100

214 79.6 2.9 4.3#

179 23.7 0.0 0.0#

108 22.9 0.5 0.7#

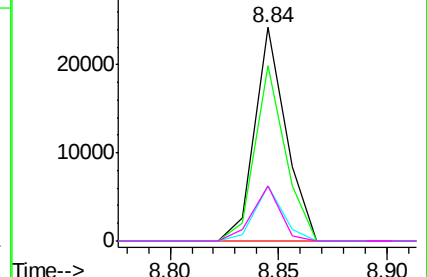
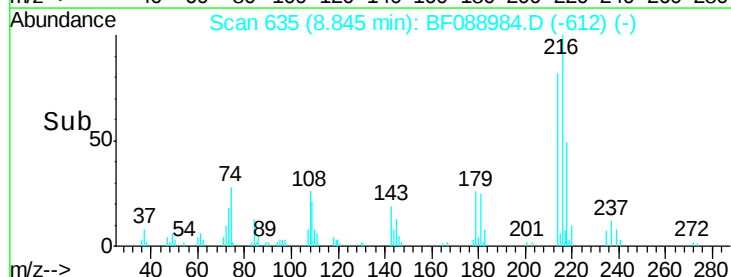


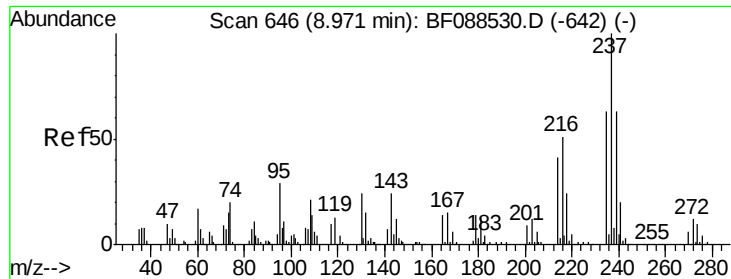
Abundance Ion 216.00 (215.70 to 216.70): E

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: 2.69 ng

RT: 8.83 min Scan# 634

Delta R.T. -0.03 min

Lab File: BF088984.D

Acq: 14 Jul 2016 13:53

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

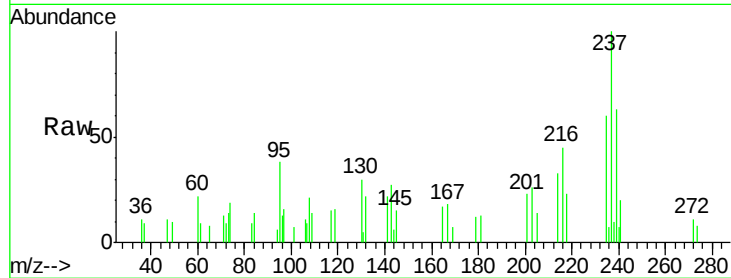
Tgt Ion:237 Resp: 6049

Ion Ratio Lower Upper

237 100

235 60.4 43.4 83.4

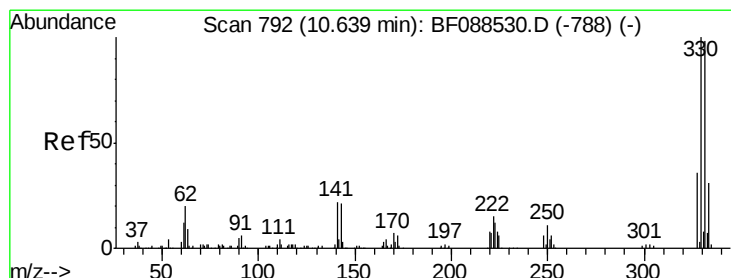
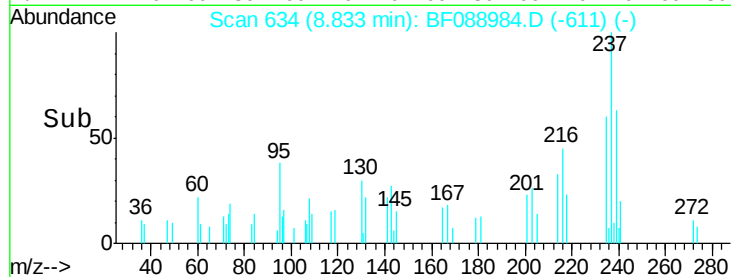
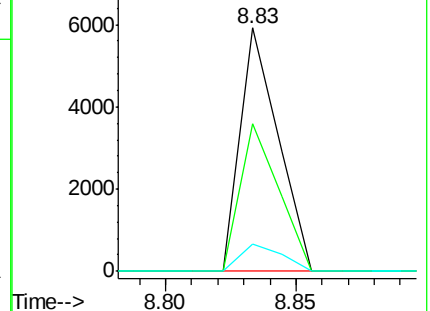
272 11.1 0.0 32.3



Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E



#41

2,4,6-Tribromophenol

Concen: 100.08 ng

RT: 10.50 min Scan# 780

Delta R.T. -0.03 min

Lab File: BF088984.D

Acq: 14 Jul 2016 13:53

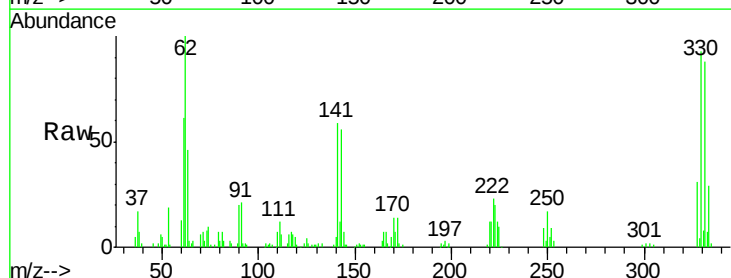
Tgt Ion:330 Resp: 128150

Ion Ratio Lower Upper

330 100

332 96.3 0.0 0.0#

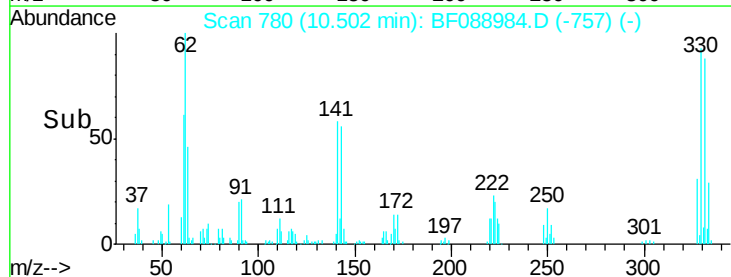
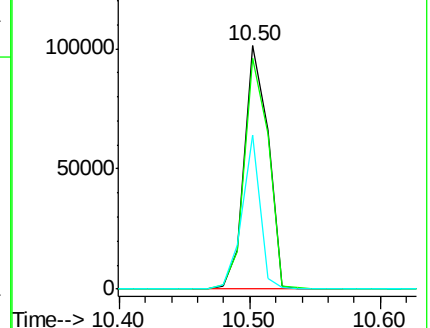
141 47.8 0.0 0.0#

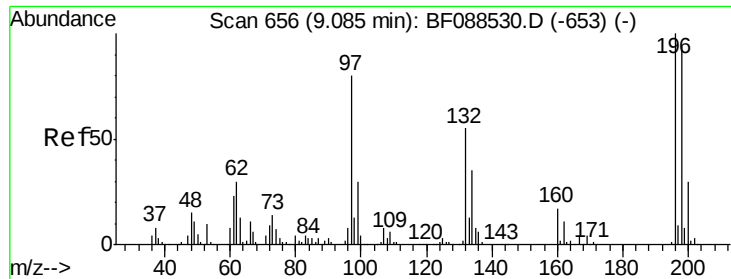


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

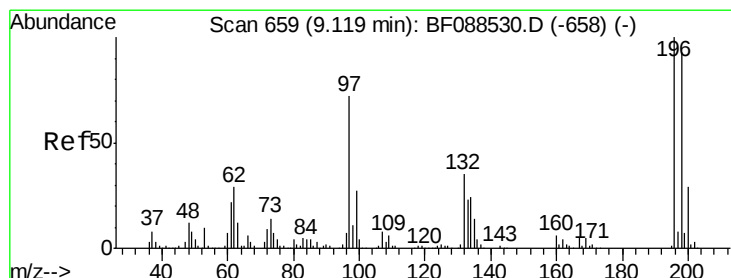
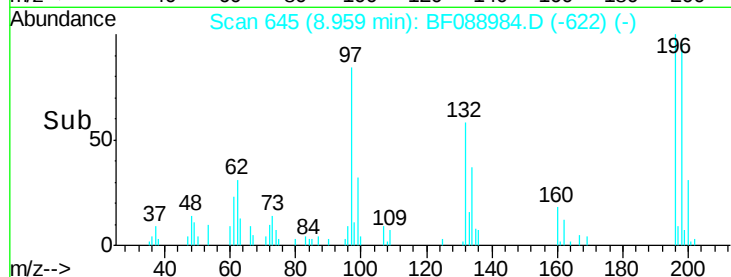
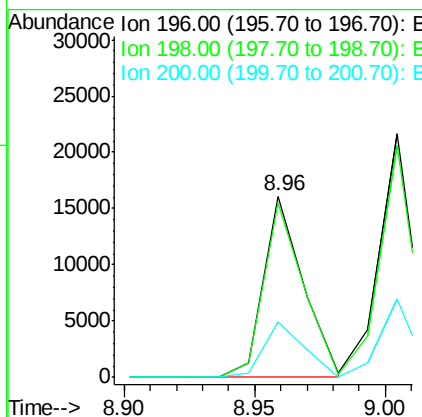
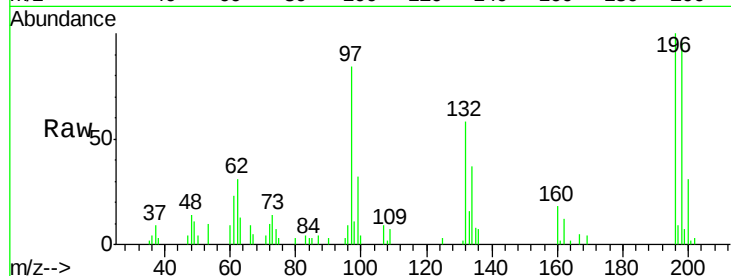




#42
 2,4,6-Trichlorophenol
 Concen: 5.61 ng
 RT: 8.96 min Scan# 645
 Delta R.T. -0.03 min
 Lab File: BF088984.D
 Acq: 14 Jul 2016 13:53

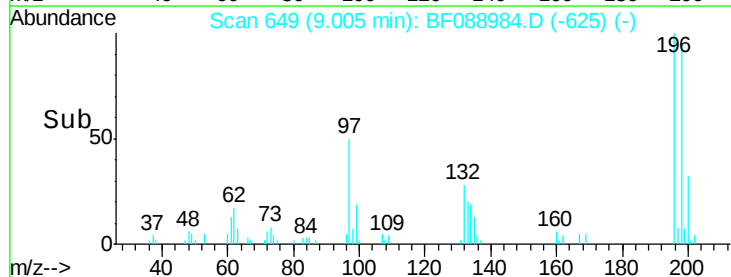
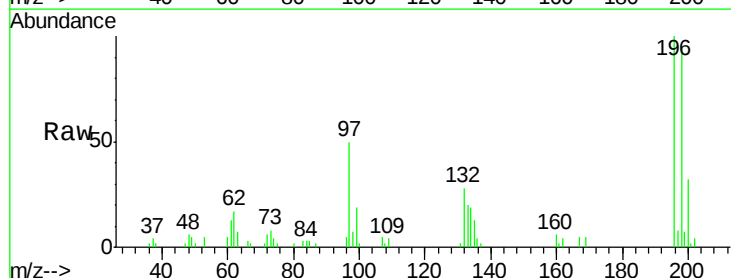
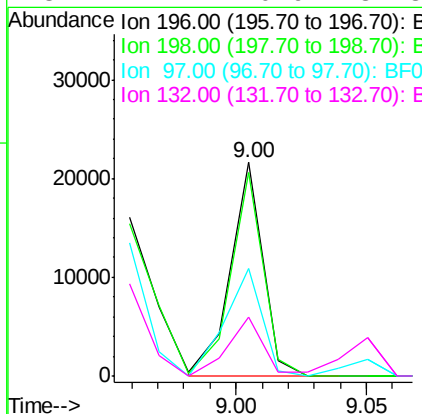
Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01

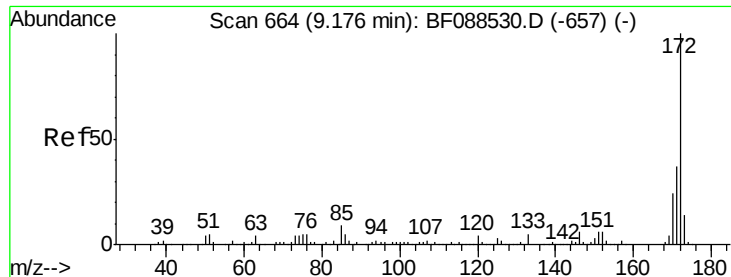
Tgt Ion:196 Resp: 16970
 Ion Ratio Lower Upper
 196 100
 198 96.2 78.0 117.0
 200 30.7 25.4 38.2



#43
 2,4,5-Trichlorophenol
 Concen: 7.25 ng
 RT: 9.00 min Scan# 649
 Delta R.T. -0.02 min
 Lab File: BF088984.D
 Acq: 14 Jul 2016 13:53

Tgt Ion:196 Resp: 18872
 Ion Ratio Lower Upper
 196 100
 198 95.4 77.5 116.3
 97 50.2 32.0 48.0#
 132 27.7 20.9 31.3

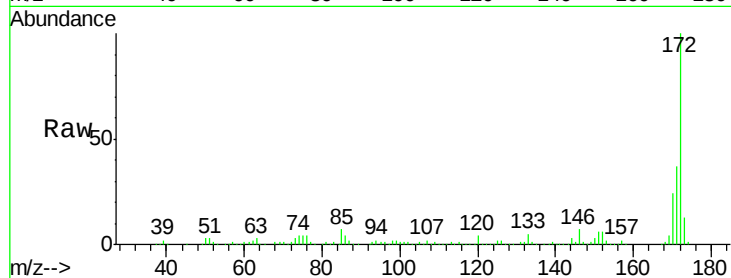




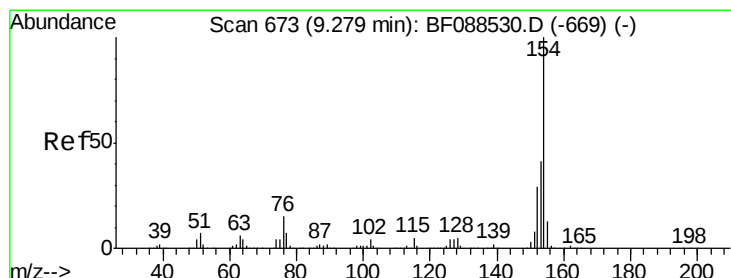
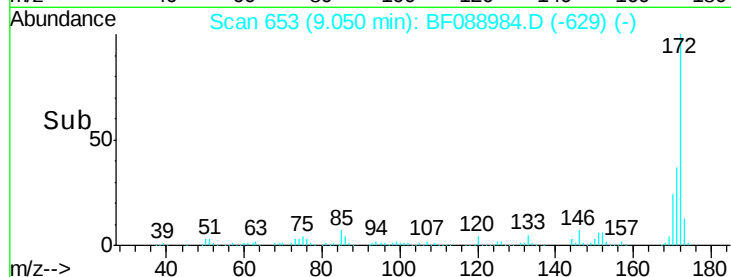
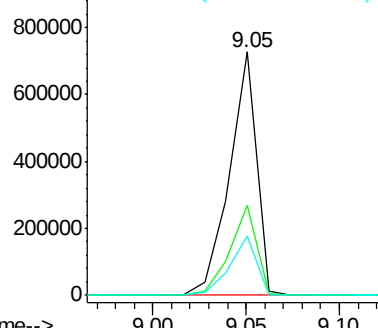
#44
 2-Fluorobiphenyl
 Concen: 83.31 ng
 RT: 9.05 min Scan# 653
 Delta R.T. -0.02 min
 Lab File: BF088984.D
 Acq: 14 Jul 2016 13:53

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01

Tgt Ion:172 Resp: 727317
 Ion Ratio Lower Upper
 172 100
 171 36.8 28.6 43.0
 170 24.3 19.2 28.8

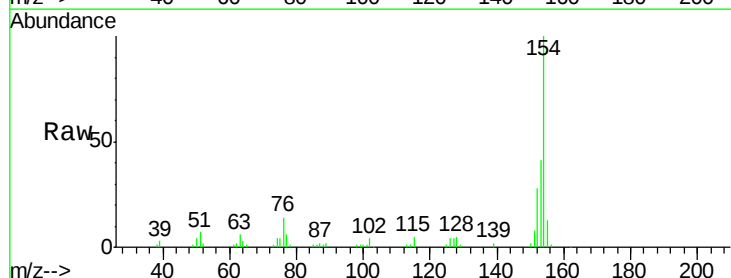


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

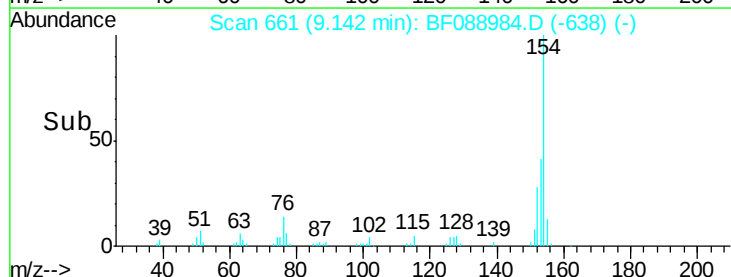
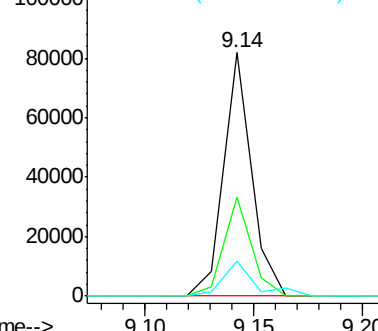


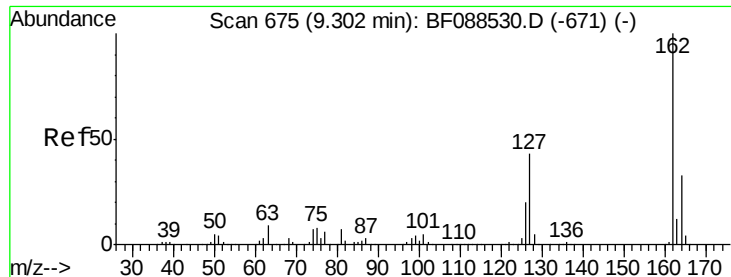
#45
 1,1'-Biphenyl
 Concen: 6.37 ng
 RT: 9.14 min Scan# 661
 Delta R.T. -0.03 min
 Lab File: BF088984.D
 Acq: 14 Jul 2016 13:53

Tgt Ion:154 Resp: 72749
 Ion Ratio Lower Upper
 154 100
 153 40.5 20.6 60.6
 76 14.2 0.0 35.1



Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF0

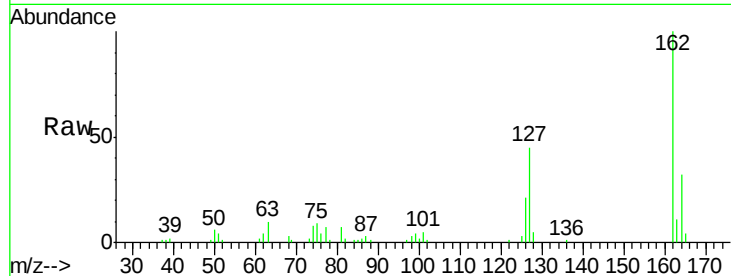




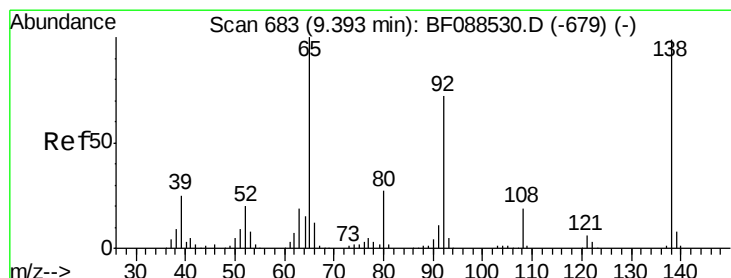
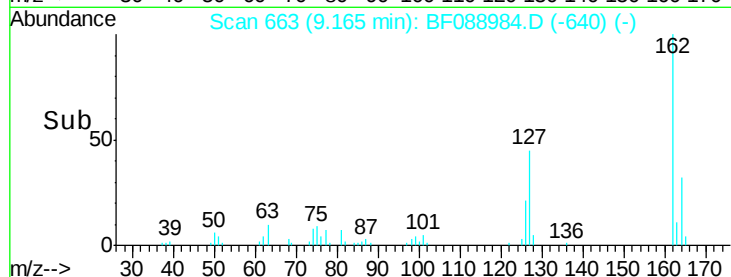
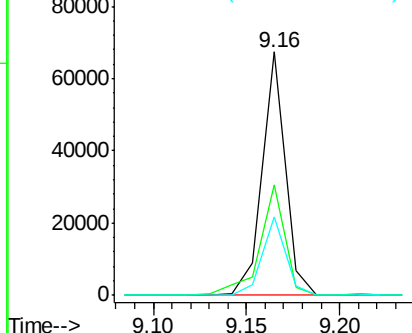
#46
 2-Chloronaphthalene
 Concen: 6.40 ng
 RT: 9.16 min Scan# 663
 Delta R.T. -0.03 min
 Lab File: BF088984.D
 Acq: 14 Jul 2016 13:53

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01

Tgt Ion: 162 Resp: 57415
 Ion Ratio Lower Upper
 162 100
 127 45.2 35.2 52.8
 164 32.2 26.6 39.8

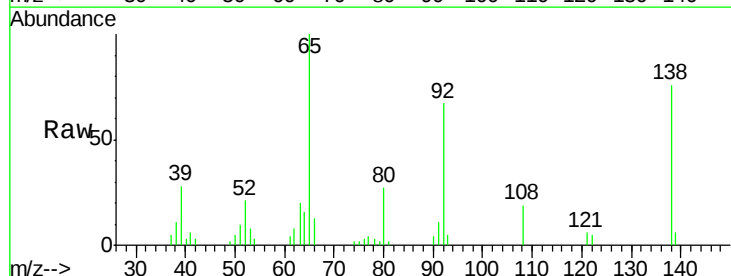


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E

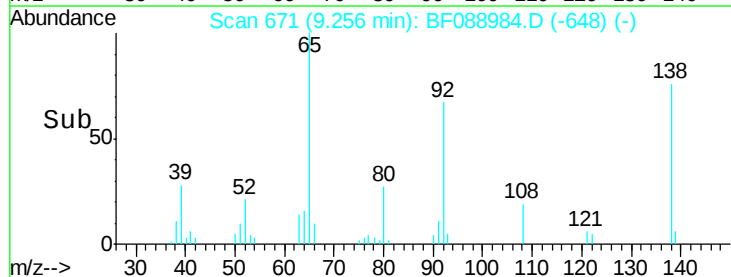
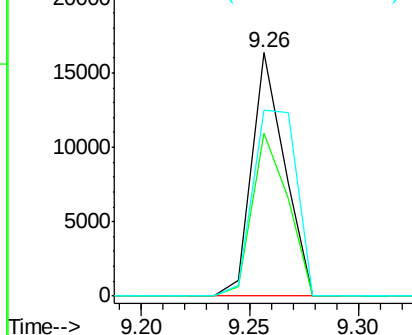


#47
 2-Nitroaniline
 Concen: 5.39 ng
 RT: 9.26 min Scan# 671
 Delta R.T. -0.03 min
 Lab File: BF088984.D
 Acq: 14 Jul 2016 13:53

Tgt Ion: 65 Resp: 17155
 Ion Ratio Lower Upper
 65 100
 92 66.8 54.6 82.0
 138 76.4 77.0 115.4#



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): E





#48

Acenaphthylene

Concen: 6.70 ng

RT: 9.58 min Scan# 699

Delta R.T. -0.03 min

Lab File: BF088984.D

Acq: 14 Jul 2016 13:53

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

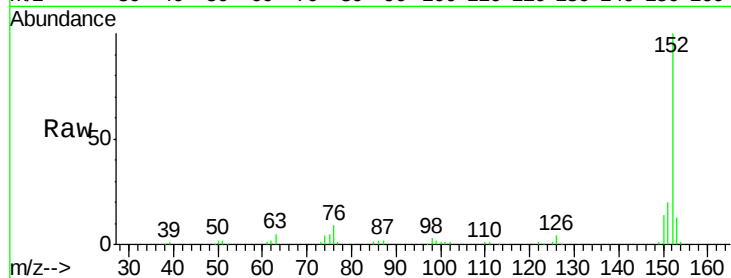
Tgt Ion:152 Resp: 95565

Ion Ratio Lower Upper

152 100

151 20.2 16.2 24.4

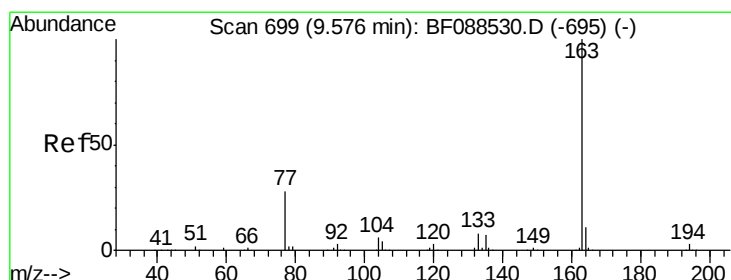
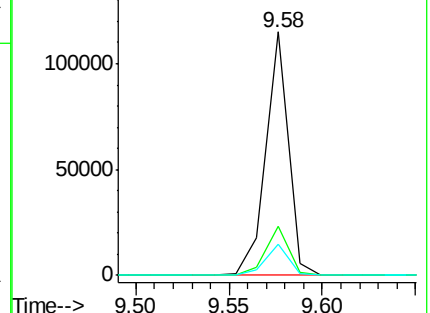
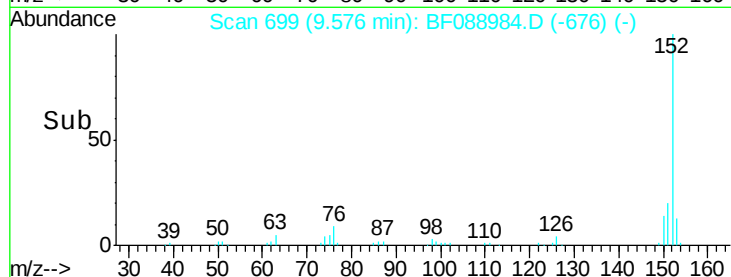
153 12.6 11.0 16.6



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: 6.36 ng

RT: 9.44 min Scan# 687

Delta R.T. -0.05 min

Lab File: BF088984.D

Acq: 14 Jul 2016 13:53

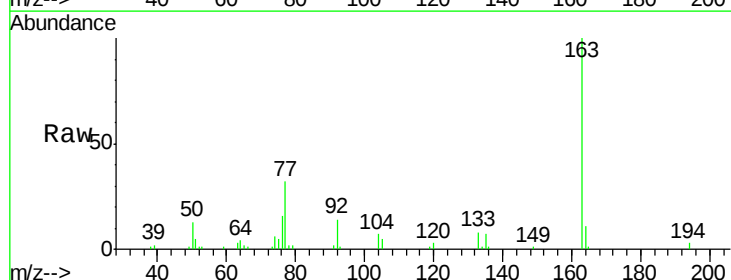
Tgt Ion:163 Resp: 62481

Ion Ratio Lower Upper

163 100

194 2.8 2.8 4.2#

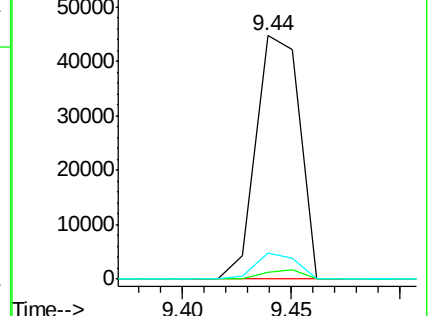
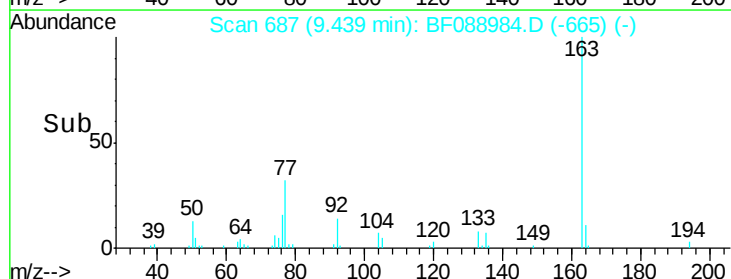
164 10.6 8.3 12.5

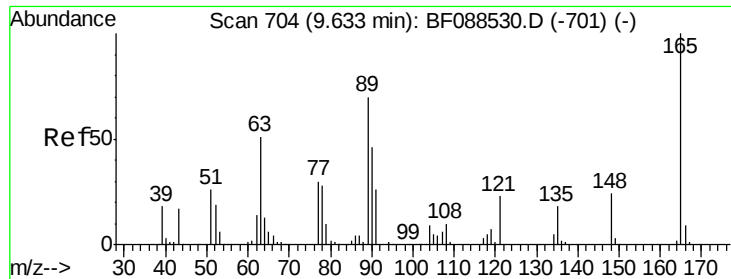


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

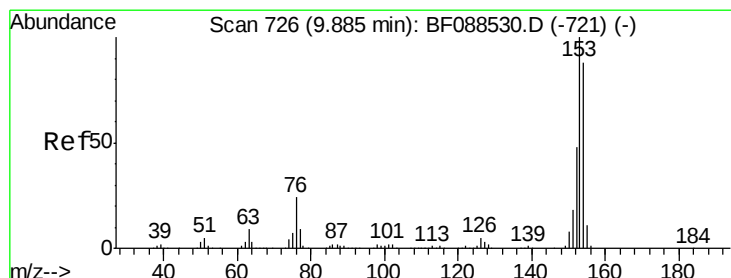
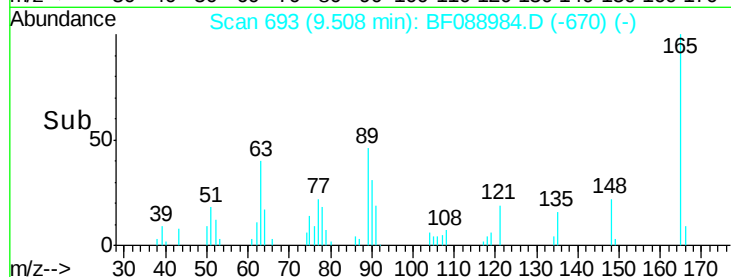
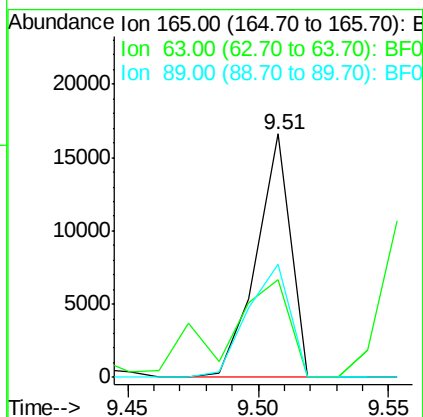
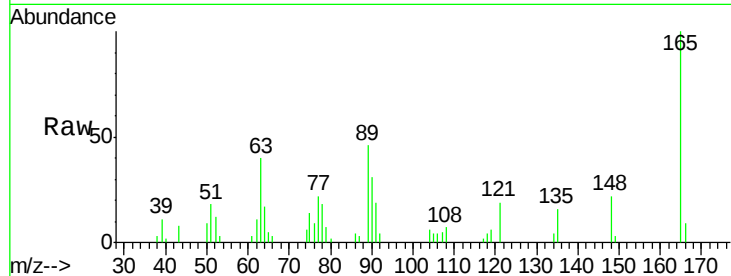




#50
 2,6-Dinitrotoluene
 Concen: 7.02 ng
 RT: 9.51 min Scan# 693
 Delta R.T. -0.03 min
 Lab File: BF088984.D
 Acq: 14 Jul 2016 13:53

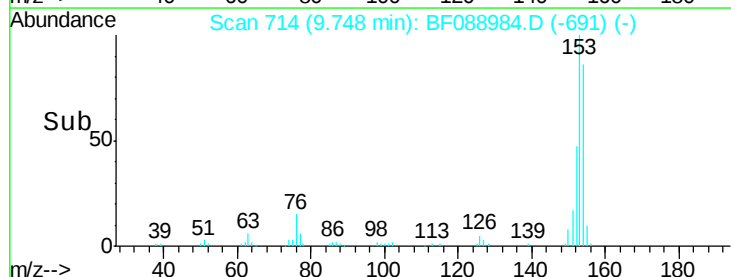
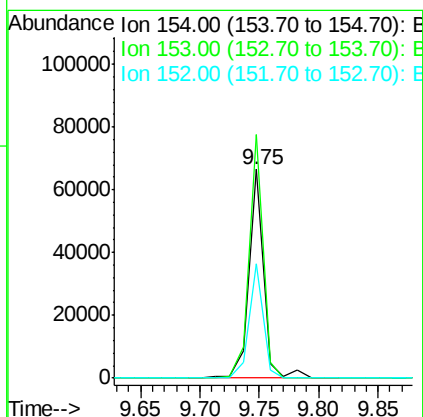
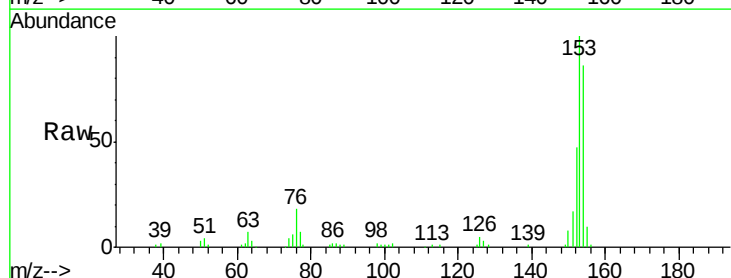
Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01

Tgt Ion:165 Resp: 15284
 Ion Ratio Lower Upper
 165 100
 63 39.9 28.1 42.1
 89 46.2 32.2 48.2



#51
 Acenaphthene
 Concen: 6.64 ng
 RT: 9.75 min Scan# 714
 Delta R.T. -0.03 min
 Lab File: BF088984.D
 Acq: 14 Jul 2016 13:53

Tgt Ion:154 Resp: 58048
 Ion Ratio Lower Upper
 154 100
 153 116.7 89.5 134.3
 152 55.0 42.7 64.1

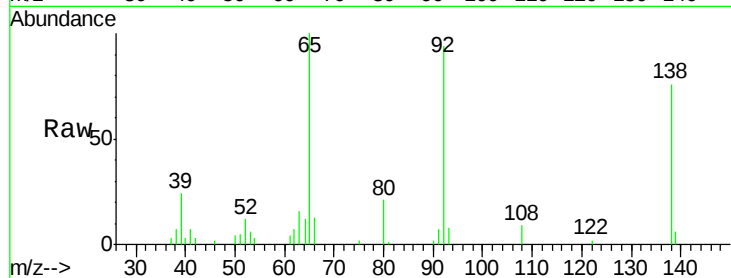




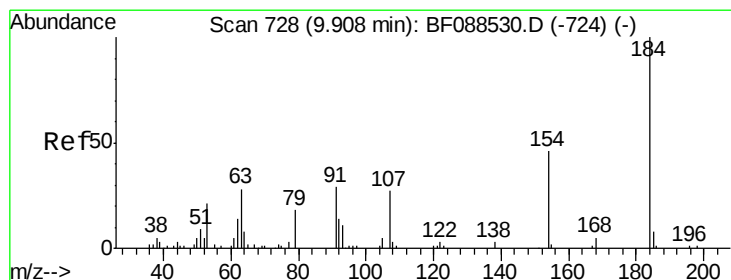
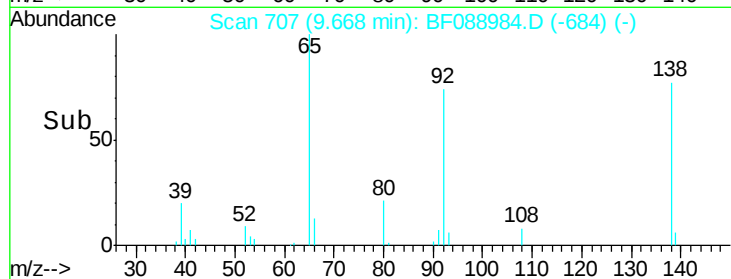
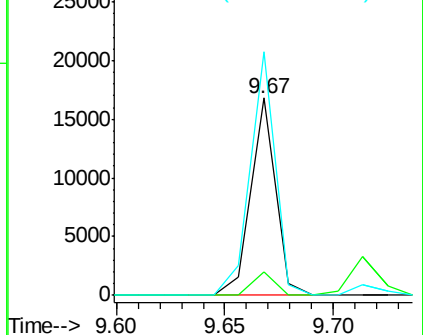
#52
 3-Nitroaniline
 Concen: 4.79 ng
 RT: 9.67 min Scan# 707
 Delta R.T. -0.03 min
 Lab File: BF088984.D
 Acq: 14 Jul 2016 13:53

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01

Tgt Ion:138 Resp: 13265
 Ion Ratio Lower Upper
 138 100
 108 11.6 8.5 12.7
 92 123.5 95.7 143.5

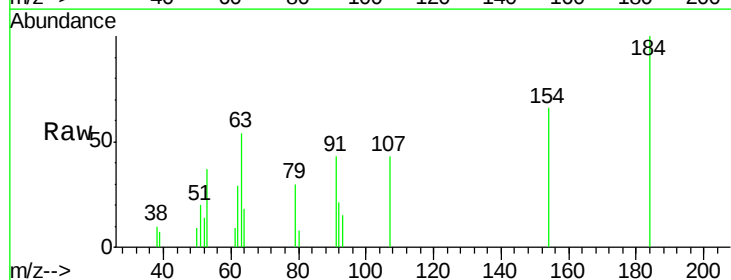


Abundance Ion 138.00 (137.70 to 138.70): E
 Ion 108.00 (107.70 to 108.70): E
 Ion 92.00 (91.70 to 92.70): BF0

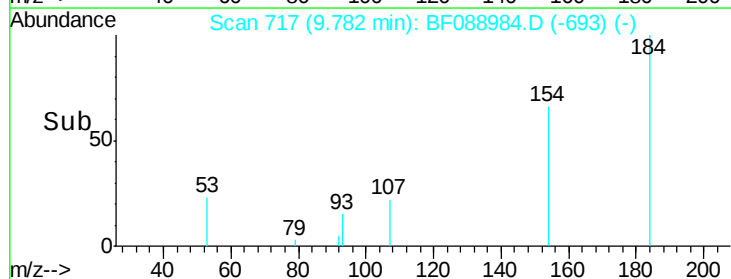
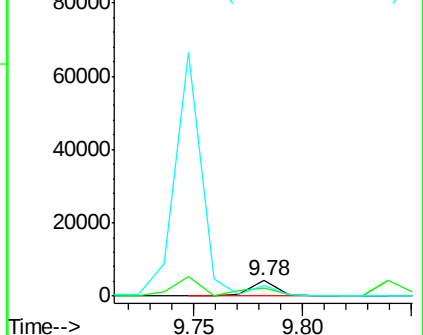


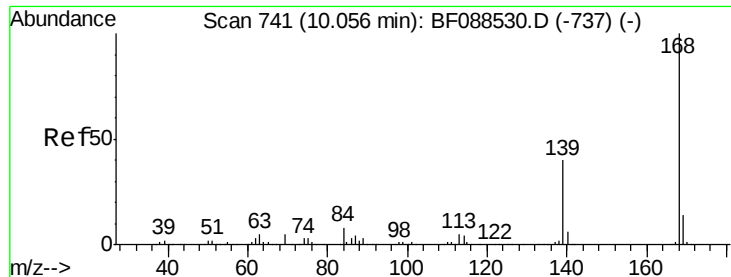
#53
 2,4-Dinitrophenol
 Concen: 3.81 ng
 RT: 9.78 min Scan# 717
 Delta R.T. -0.02 min
 Lab File: BF088984.D
 Acq: 14 Jul 2016 13:53

Tgt Ion:184 Resp: 3662
 Ion Ratio Lower Upper
 184 100
 63 54.2 57.6 86.4#
 154 65.9 53.5 80.3



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

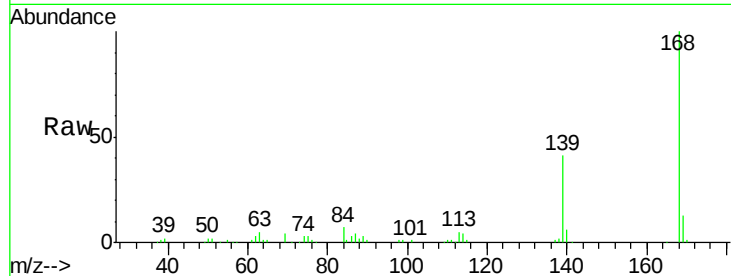




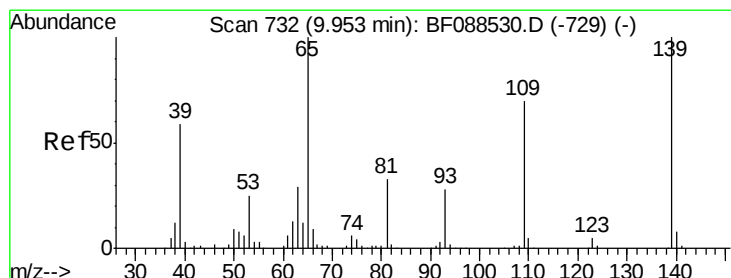
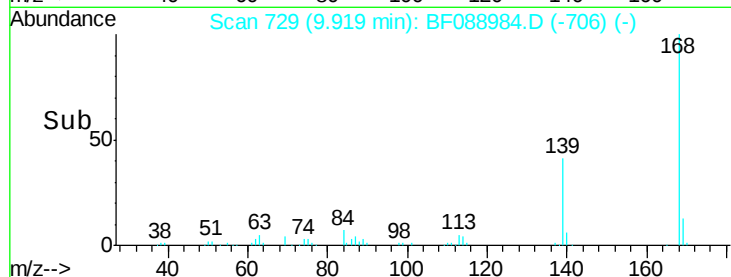
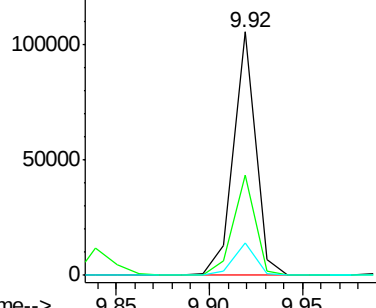
#54
Dibenzofuran
Concen: 7.55 ng
RT: 9.92 min Scan# 729
Delta R.T. -0.03 min
Lab File: BF088984.D
Acq: 14 Jul 2016 13:53

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2016-01

Tgt Ion:168 Resp: 86451
Ion Ratio Lower Upper
168 100
139 41.0 26.4 39.6#
169 13.4 10.4 15.6

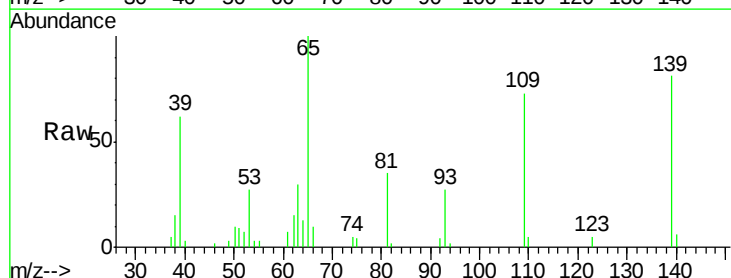


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

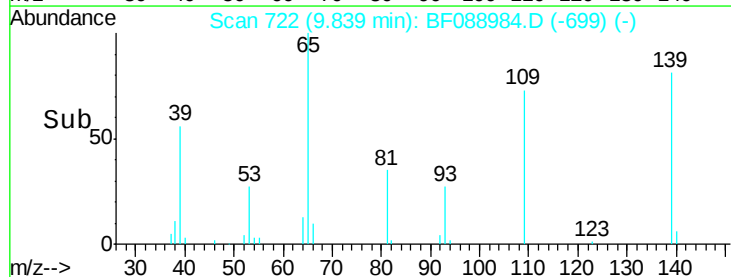
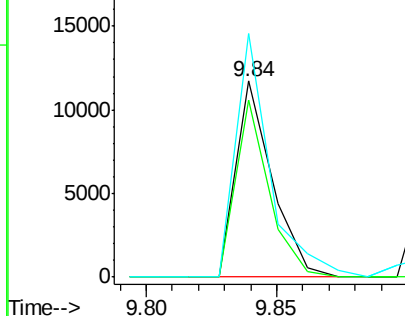


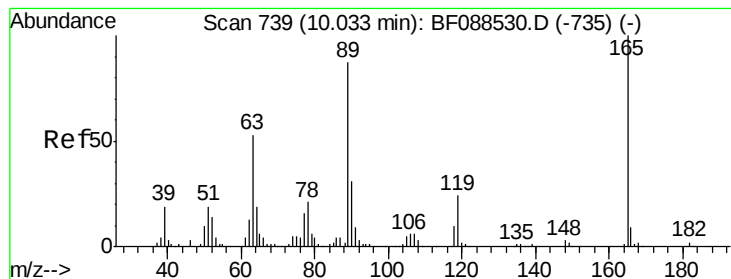
#55
4-Nitrophenol
Concen: 5.43 ng
RT: 9.84 min Scan# 722
Delta R.T. -0.03 min
Lab File: BF088984.D
Acq: 14 Jul 2016 13:53

Tgt Ion:139 Resp: 11416
Ion Ratio Lower Upper
139 100
109 90.4 48.9 88.9#
65 124.2 84.9 124.9



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





#56

2,4-Dinitrotoluene

Concen: 7.37 ng

RT: 9.91 min Scan# 728

Delta R.T. -0.03 min

Lab File: BF088984.D

Acq: 14 Jul 2016 13:53

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

Tgt Ion:165 Resp: 20974

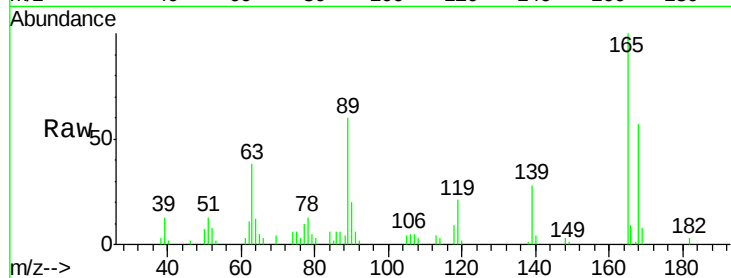
Ion Ratio Lower Upper

165 100

63 37.6 22.0 33.0#

89 59.8 41.1 61.7

182 2.5 2.0 3.0

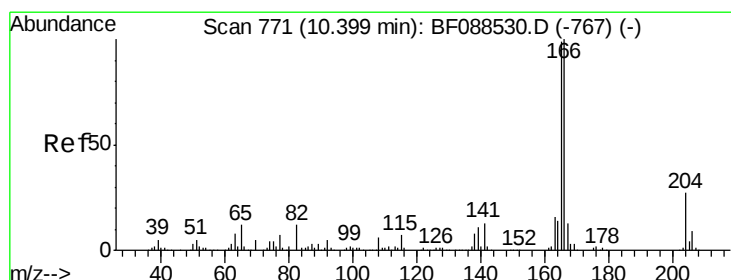
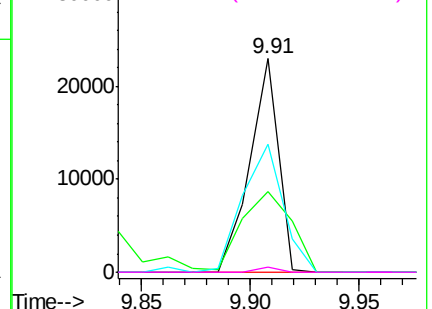
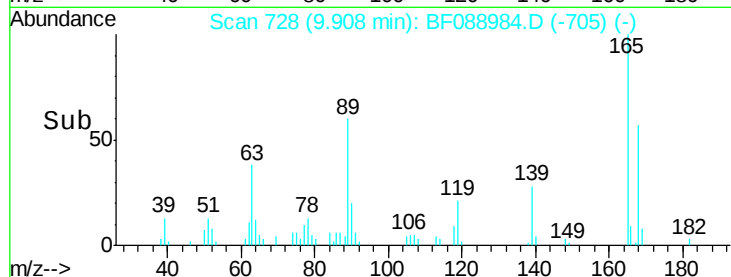


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#57

Fluorene

Concen: 7.64 ng

RT: 10.26 min Scan# 759

Delta R.T. -0.03 min

Lab File: BF088984.D

Acq: 14 Jul 2016 13:53

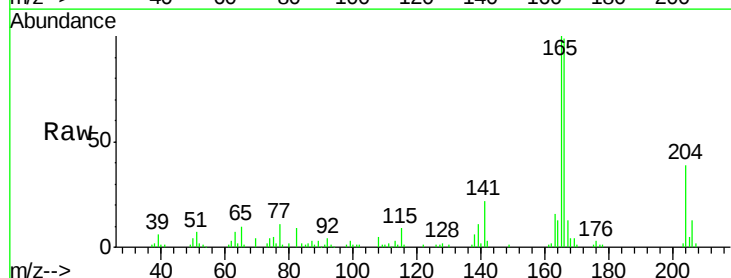
Tgt Ion:166 Resp: 67372

Ion Ratio Lower Upper

166 100

165 101.3 77.8 116.8

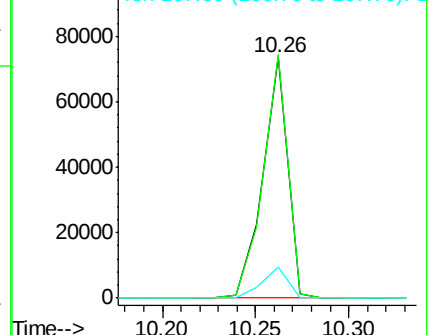
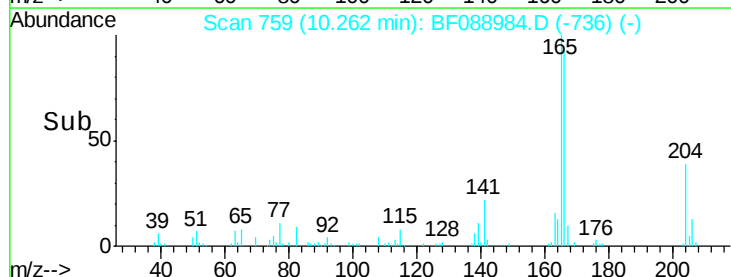
167 13.1 11.2 16.8



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

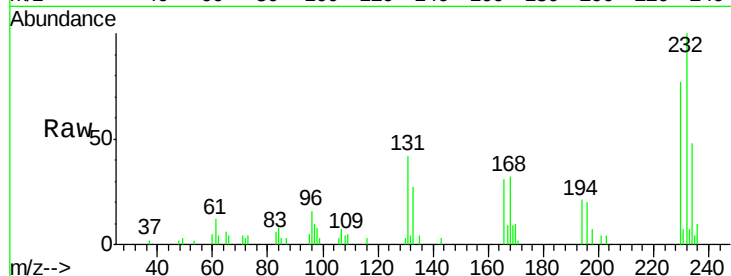




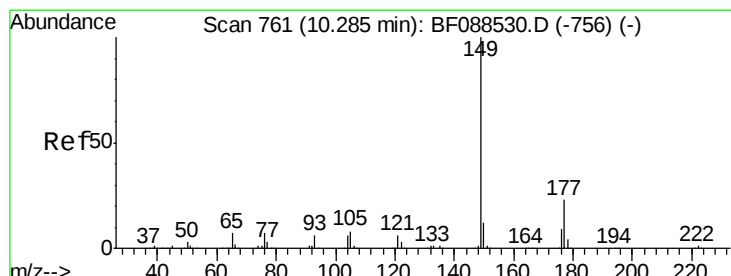
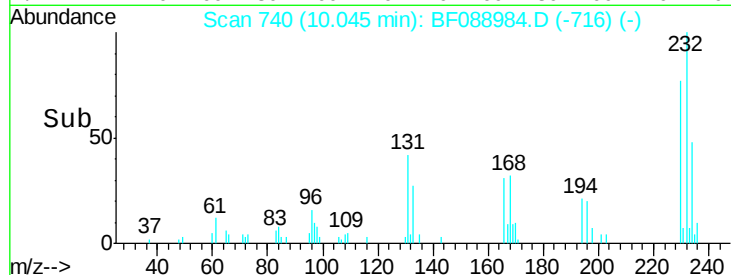
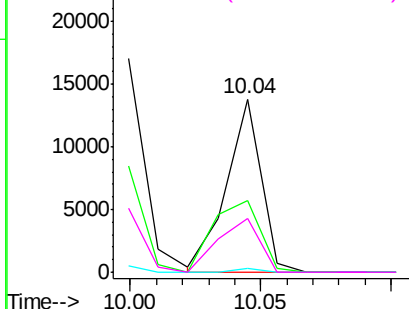
#58
 2,3,4,6-Tetrachlorophenol
 Concen: 6.43 ng
 RT: 10.04 min Scan# 740
 Delta R.T. -0.02 min
 Lab File: BF088984.D
 Acq: 14 Jul 2016 13:53

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01

Tgt Ion: 232 Resp: 12946
 Ion Ratio Lower Upper
 232 100
 131 56.4 0.9 1.3#
 130 1.9 1.5 2.3
 166 37.0 0.5 0.7#

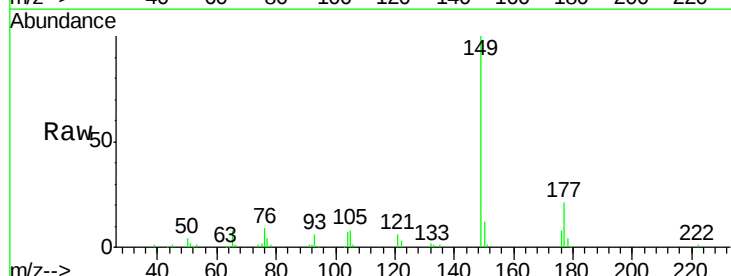


Abundance Ion 232.00 (231.70 to 232.70): E
 Ion 131.00 (130.70 to 131.70): E
 Ion 130.00 (129.70 to 130.70): E
 Ion 166.00 (165.70 to 166.70): E

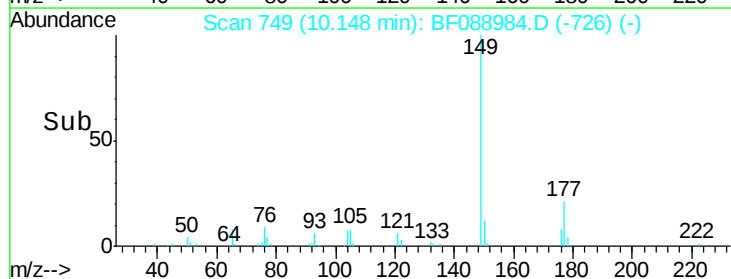
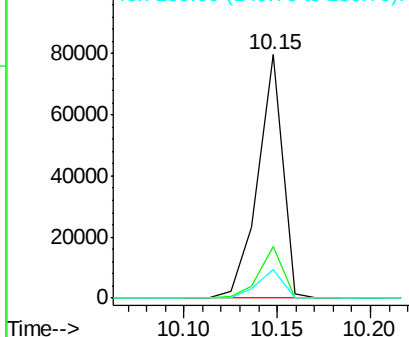


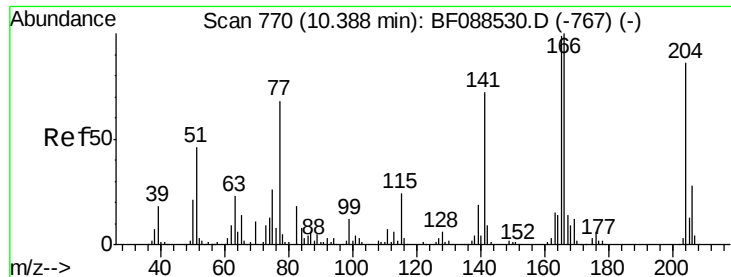
#59
 Diethylphthalate
 Concen: 7.40 ng
 RT: 10.15 min Scan# 749
 Delta R.T. -0.03 min
 Lab File: BF088984.D
 Acq: 14 Jul 2016 13:53

Tgt Ion: 149 Resp: 73006
 Ion Ratio Lower Upper
 149 100
 177 21.0 16.9 25.3
 150 11.7 10.1 15.1



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 177.00 (176.70 to 177.70): E
 Ion 150.00 (149.70 to 150.70): E

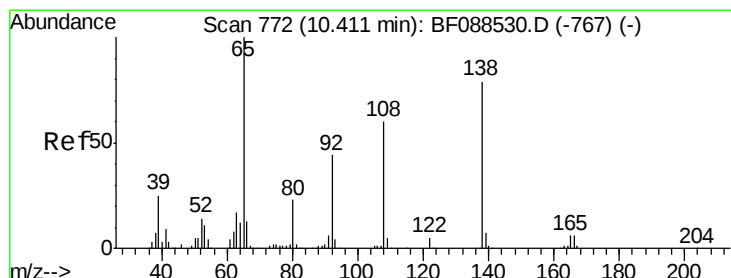
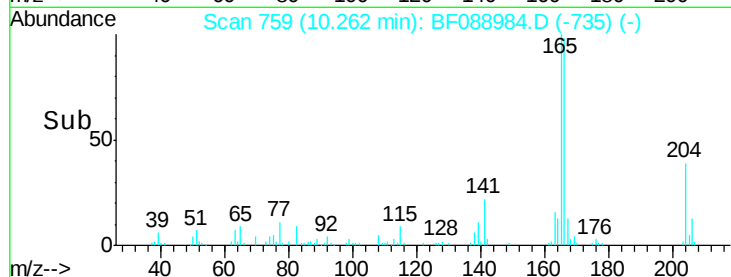
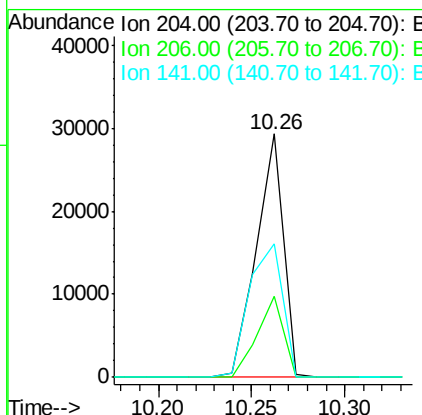
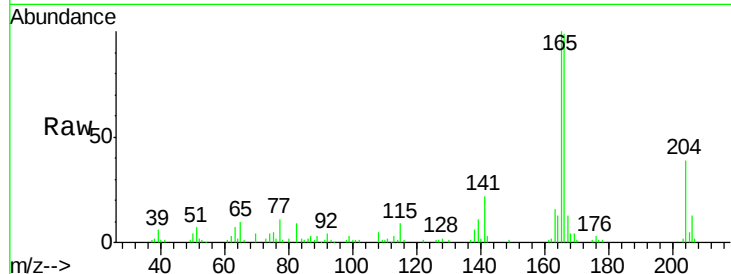




#60
 4-Chlorophenyl-phenylether
 Concen: 7.17 ng
 RT: 10.26 min Scan# 759
 Delta R.T. -0.02 min
 Lab File: BF088984.D
 Acq: 14 Jul 2016 13:53

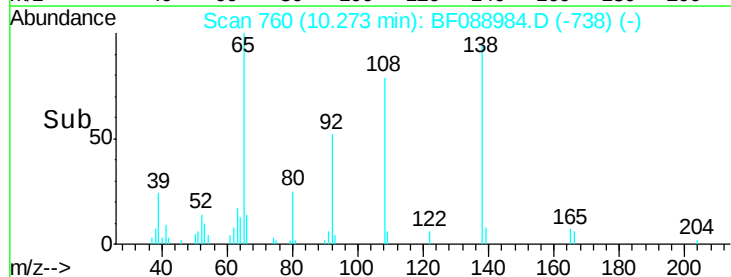
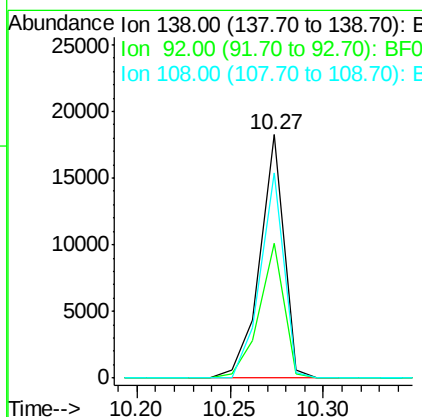
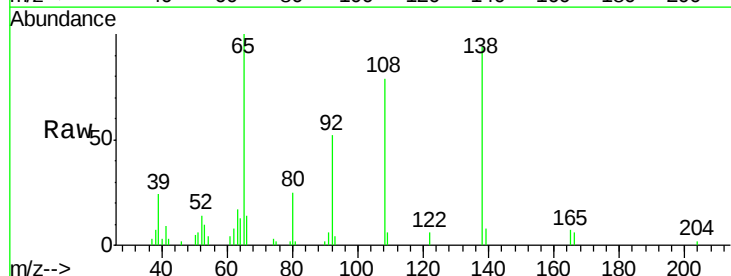
Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01

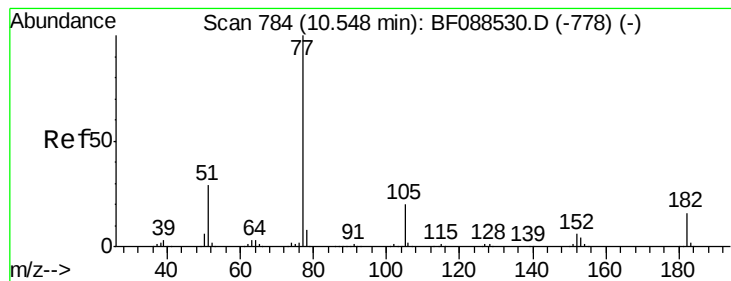
Tgt Ion:204 Resp: 29387
 Ion Ratio Lower Upper
 204 100
 206 33.5 26.3 39.5
 141 55.1 55.0 82.6



#61
 4-Nitroaniline
 Concen: 6.14 ng
 RT: 10.27 min Scan# 760
 Delta R.T. -0.05 min
 Lab File: BF088984.D
 Acq: 14 Jul 2016 13:53

Tgt Ion:138 Resp: 16341
 Ion Ratio Lower Upper
 138 100
 92 55.2 27.3 67.3
 108 84.1 46.7 86.7





#62

Azobenzene

Concen: 6.61 ng

RT: 10.41 min Scan# 772

Delta R.T. -0.03 min

Lab File: BF088984.D

Acq: 14 Jul 2016 13:53

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

Tgt Ion: 77 Resp: 74385

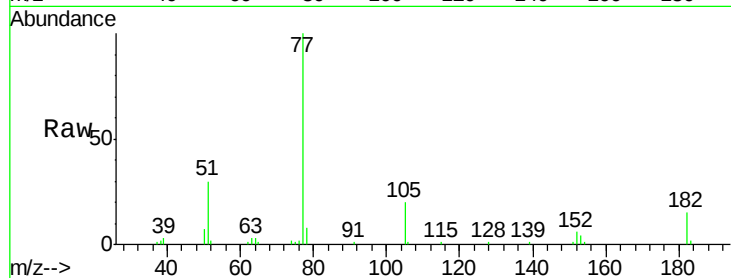
Ion Ratio Lower Upper

77 100

182 14.5 4.4 44.4

105 20.0 3.8 43.8

51 29.9 9.3 49.3

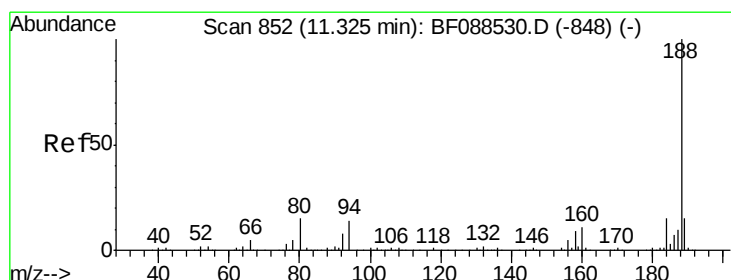
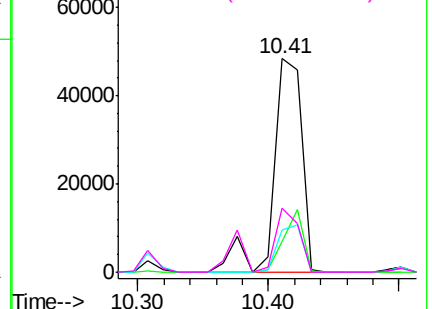
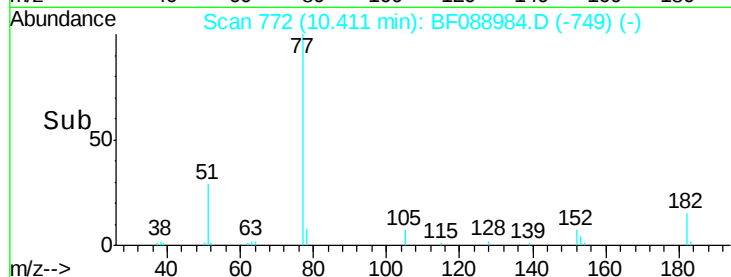


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.19 min Scan# 840

Delta R.T. -0.03 min

Lab File: BF088984.D

Acq: 14 Jul 2016 13:53

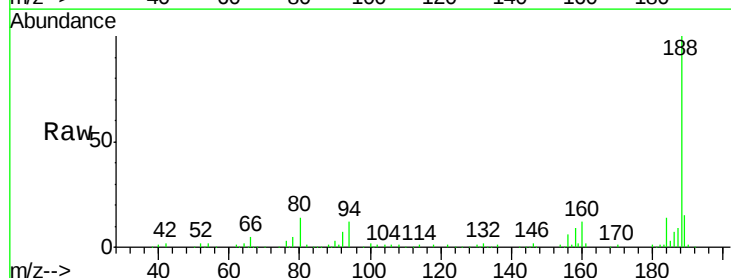
Tgt Ion: 188 Resp: 272707

Ion Ratio Lower Upper

188 100

94 11.9 9.0 13.6

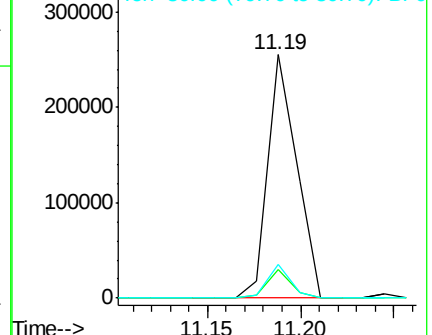
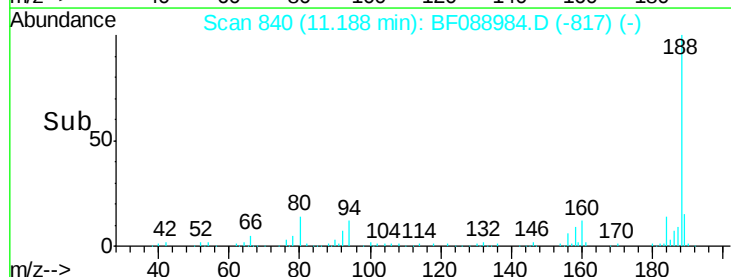
80 13.7 10.0 15.0

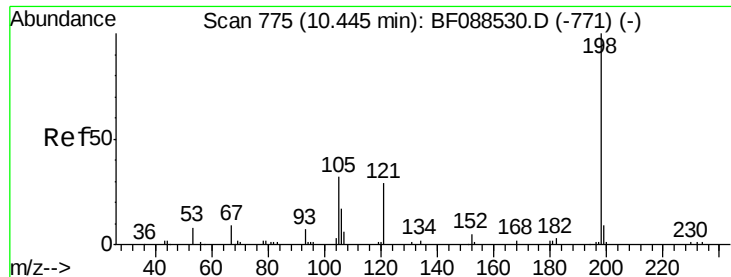


Abundance Ion 188.00 (187.70 to 188.70): E

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: 4.34 ng

RT: 10.31 min Scan# 763

Delta R.T. -0.03 min

Lab File: BF088984.D

Acq: 14 Jul 2016 13:53

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

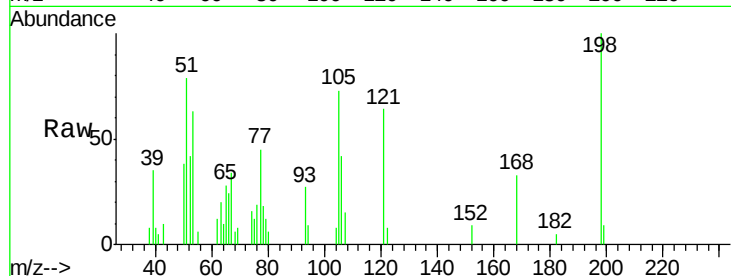
Tgt Ion:198 Resp: 6331

Ion Ratio Lower Upper

198 100

51 79.2 39.6 79.6

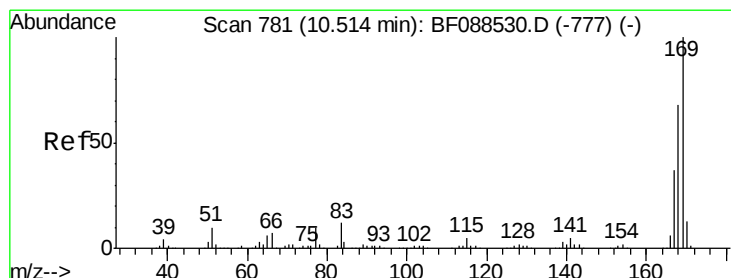
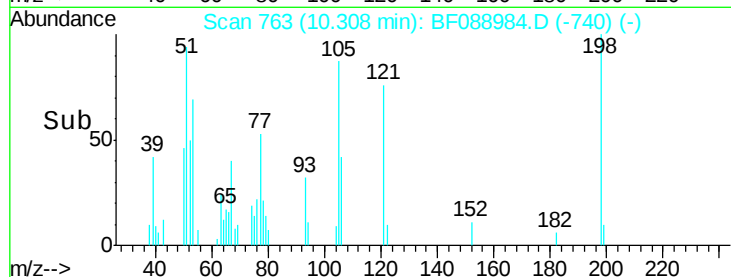
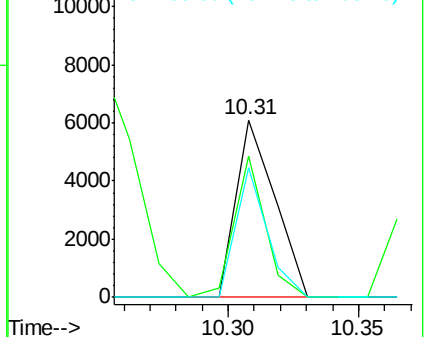
105 73.0 36.6 76.6



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: 6.54 ng

RT: 10.38 min Scan# 769

Delta R.T. -0.03 min

Lab File: BF088984.D

Acq: 14 Jul 2016 13:53

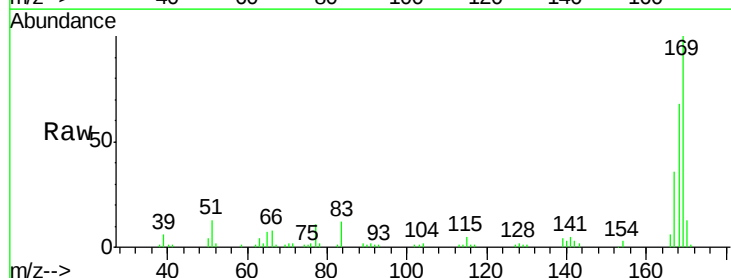
Tgt Ion:169 Resp: 60368

Ion Ratio Lower Upper

169 100

168 67.7 53.4 80.0

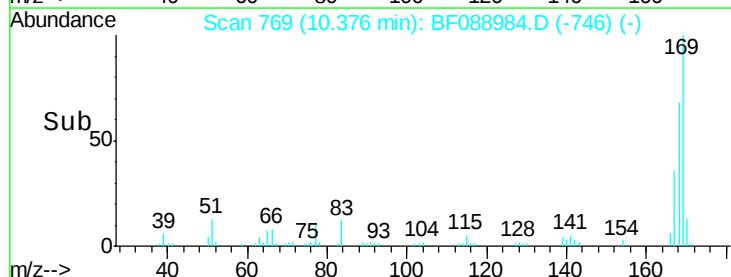
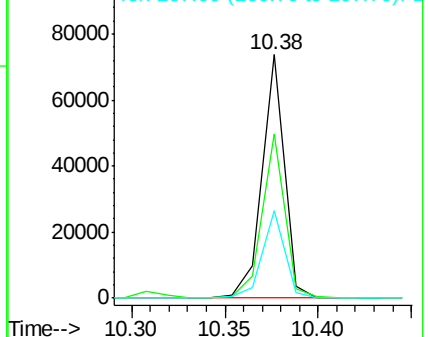
167 35.9 29.4 44.0



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

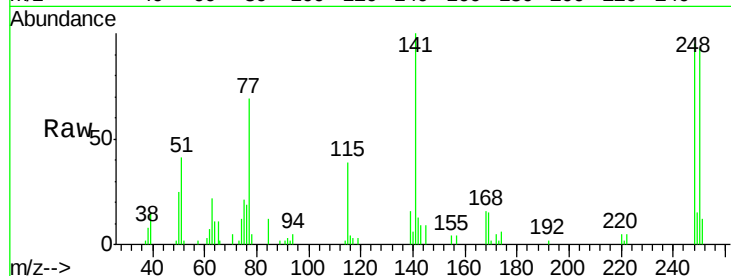




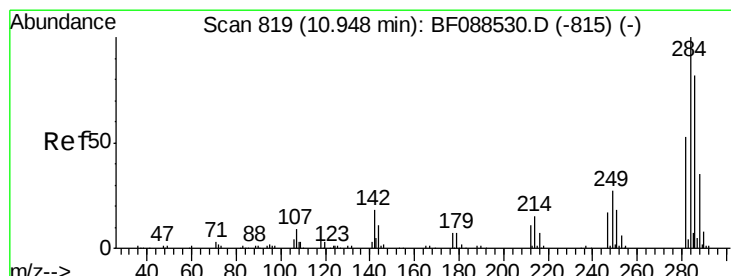
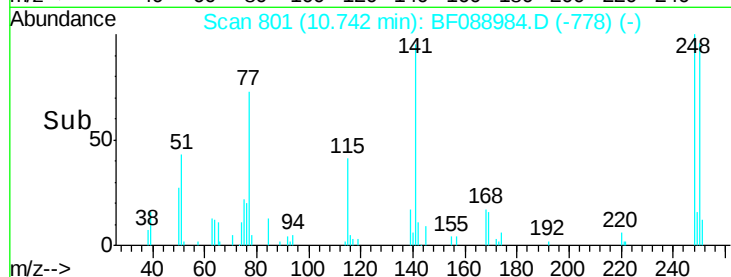
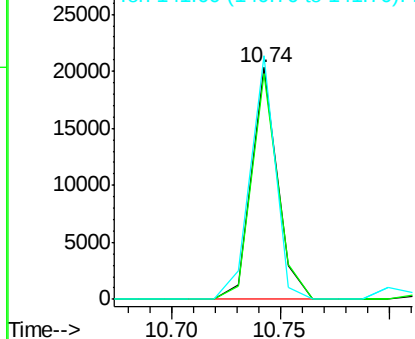
#66
 4-Bromophenyl-phenylether
 Concen: 6.12 ng
 RT: 10.74 min Scan# 801
 Delta R.T. -0.03 min
 Lab File: BF088984.D
 Acq: 14 Jul 2016 13:53

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01

Tgt Ion:248 Resp: 16832
 Ion Ratio Lower Upper
 248 100
 250 97.3 77.1 115.7
 141 105.2 50.6 76.0#

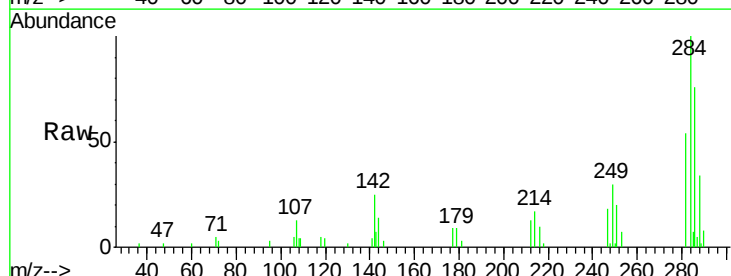


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

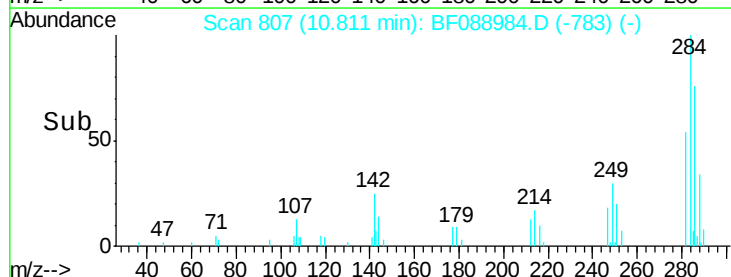
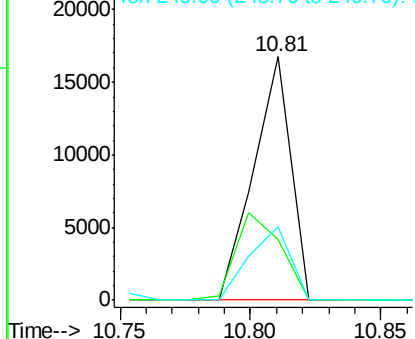


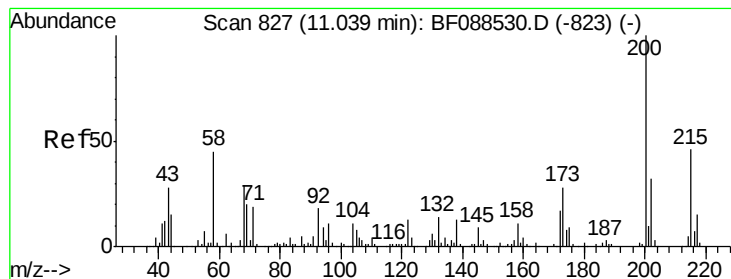
#67
 Hexachlorobenzene
 Concen: 5.46 ng
 RT: 10.81 min Scan# 807
 Delta R.T. -0.02 min
 Lab File: BF088984.D
 Acq: 14 Jul 2016 13:53

Tgt Ion:284 Resp: 16621
 Ion Ratio Lower Upper
 284 100
 142 24.9 35.8 53.8#
 249 30.0 25.8 38.6



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: 6.65 ng

RT: 10.90 min Scan# 815

Delta R.T. -0.03 min

Lab File: BF088984.D

Acq: 14 Jul 2016 13:53

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

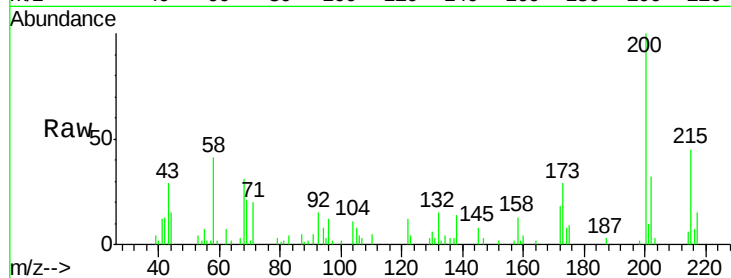
Tgt Ion:200 Resp: 19113

Ion Ratio Lower Upper

200 100

173 28.6 4.0 44.0

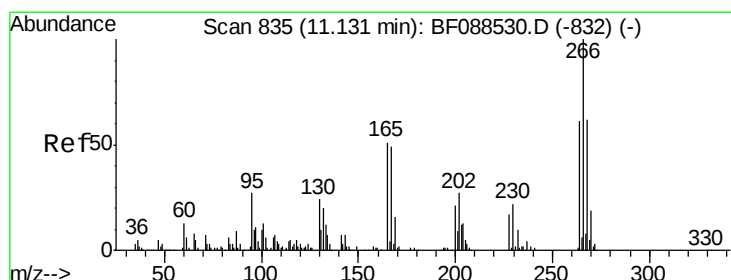
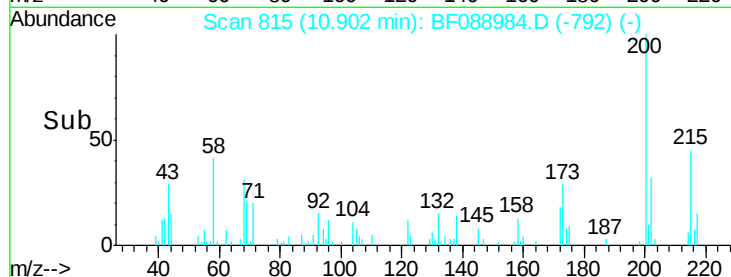
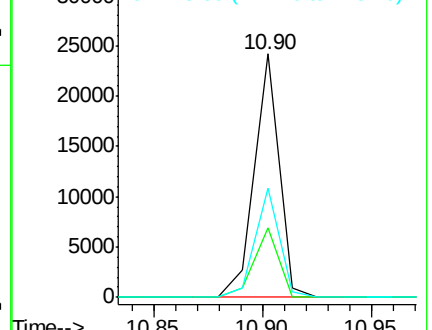
215 44.7 29.3 69.3



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: 3.56 ng

RT: 11.00 min Scan# 824

Delta R.T. -0.02 min

Lab File: BF088984.D

Acq: 14 Jul 2016 13:53

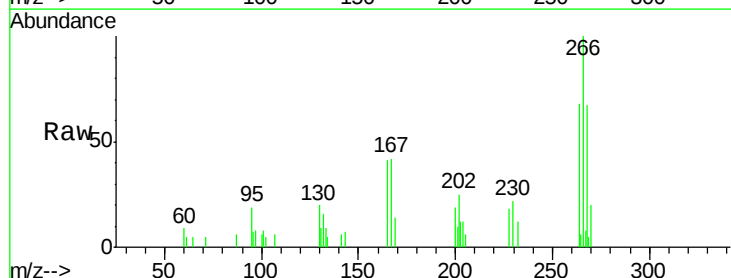
Tgt Ion:266 Resp: 6403

Ion Ratio Lower Upper

266 100

268 67.2 52.8 79.2

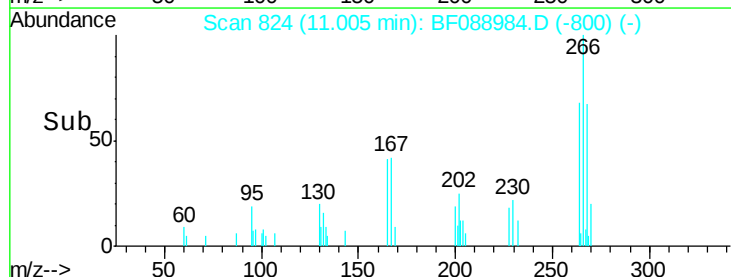
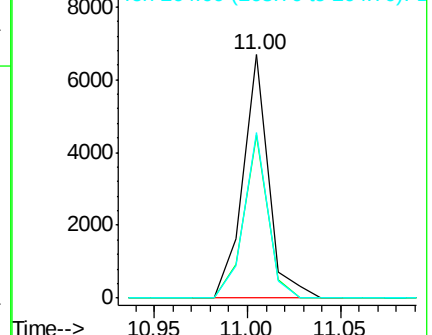
264 67.9 49.6 74.4

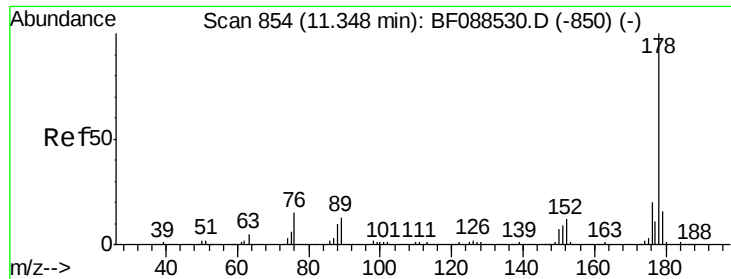


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#70

Phenanthrene

Concen: 6.25 ng

RT: 11.21 min Scan# 842

Delta R.T. -0.03 min

Lab File: BF088984.D

Acq: 14 Jul 2016 13:53

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

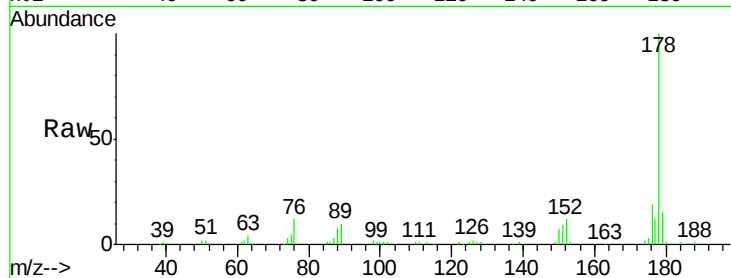
Tgt Ion:178 Resp: 93123

Ion Ratio Lower Upper

178 100

176 19.4 15.8 23.6

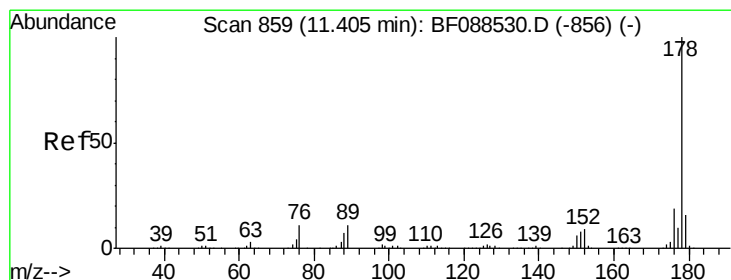
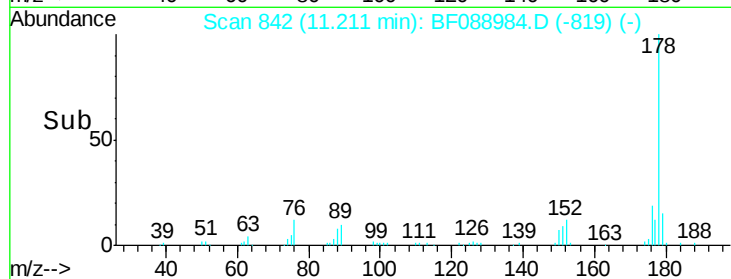
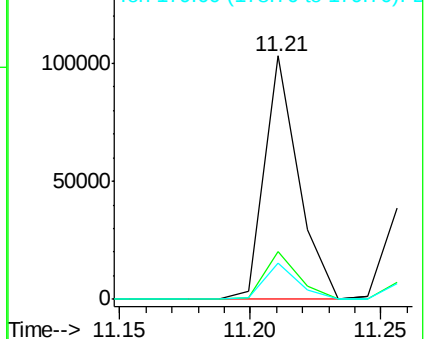
179 15.1 13.0 19.4



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 6.81 ng

RT: 11.27 min Scan# 847

Delta R.T. -0.03 min

Lab File: BF088984.D

Acq: 14 Jul 2016 13:53

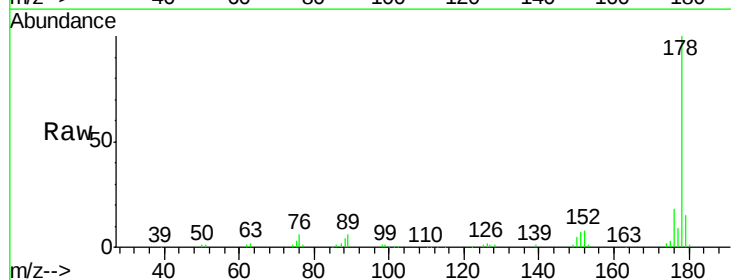
Tgt Ion:178 Resp: 100965

Ion Ratio Lower Upper

178 100

176 18.1 15.6 23.4

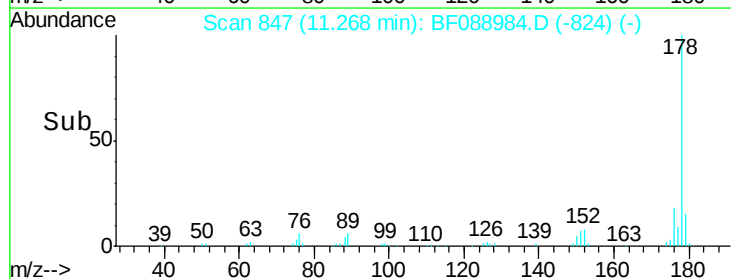
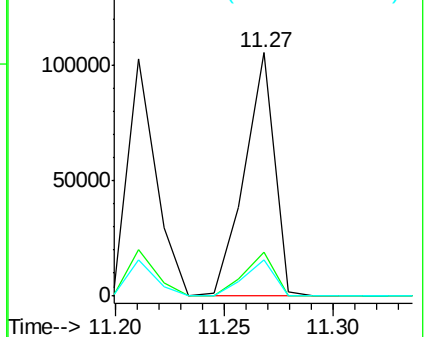
179 14.7 12.8 19.2

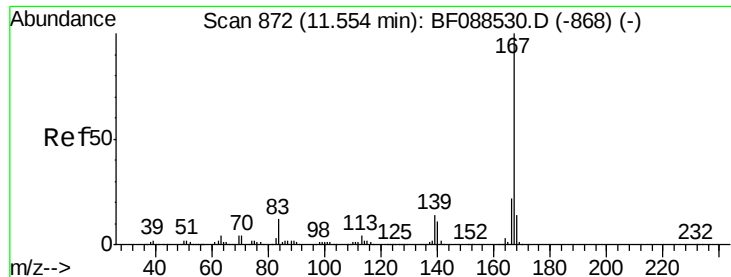


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 6.18 ng

RT: 11.42 min Scan# 860

Delta R.T. -0.03 min

Lab File: BF088984.D

Acq: 14 Jul 2016 13:53

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

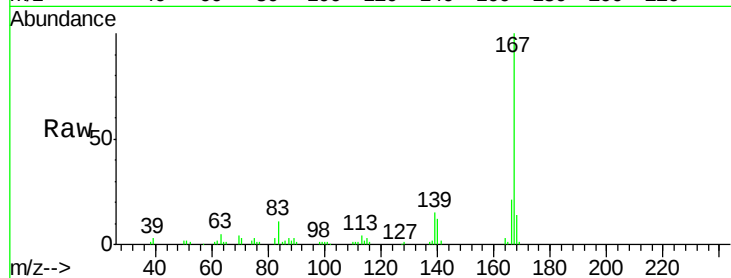
Tgt Ion:167 Resp: 86224

Ion Ratio Lower Upper

167 100

166 21.4 17.8 26.6

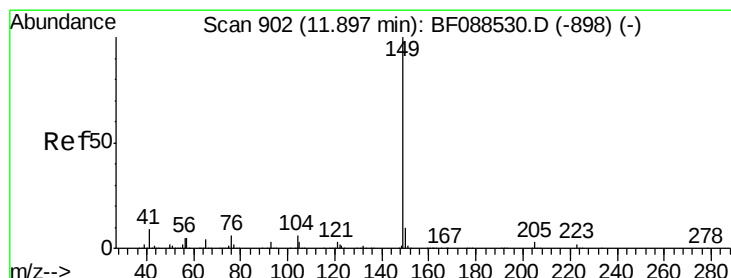
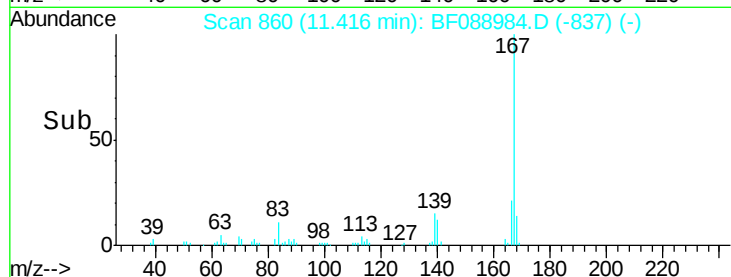
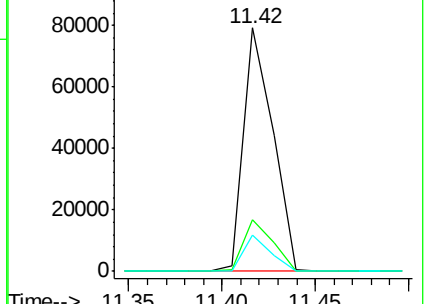
139 14.9 11.2 16.8



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: 6.27 ng

RT: 11.76 min Scan# 890

Delta R.T. -0.03 min

Lab File: BF088984.D

Acq: 14 Jul 2016 13:53

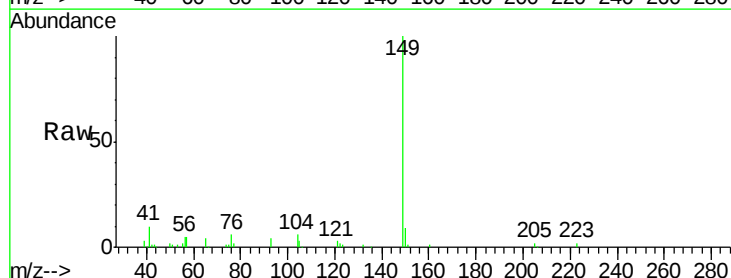
Tgt Ion:149 Resp: 101804

Ion Ratio Lower Upper

149 100

150 9.1 7.8 11.6

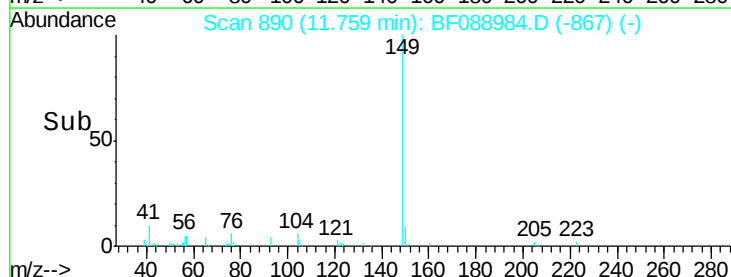
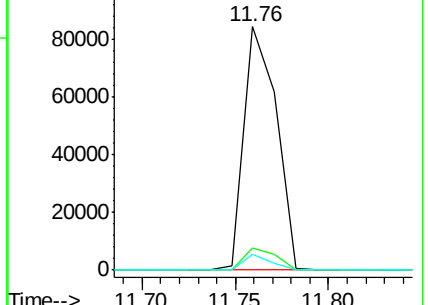
104 6.3 4.0 6.0#

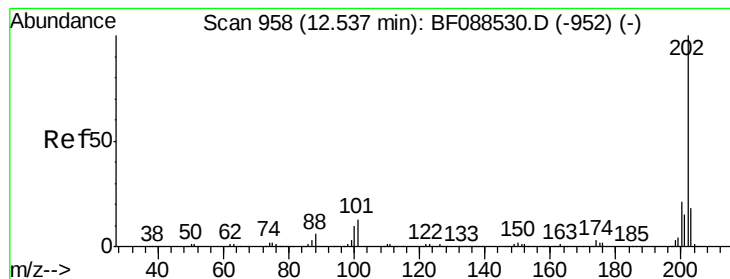


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#74

Fluoranthene

Concen: 6.36 ng

RT: 12.39 min Scan# 945

Delta R.T. -0.03 min

Lab File: BF088984.D

Acq: 14 Jul 2016 13:53

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

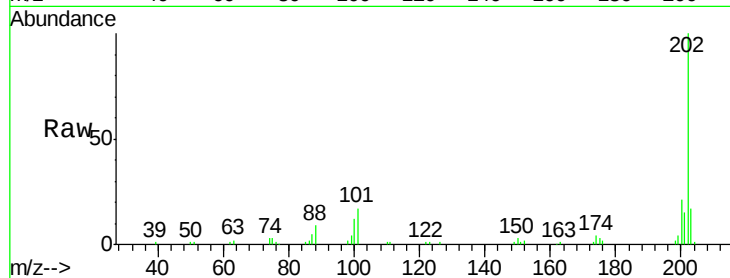
Tgt Ion: 202 Resp: 96180

Ion Ratio Lower Upper

202 100

101 16.7 0.0 33.1

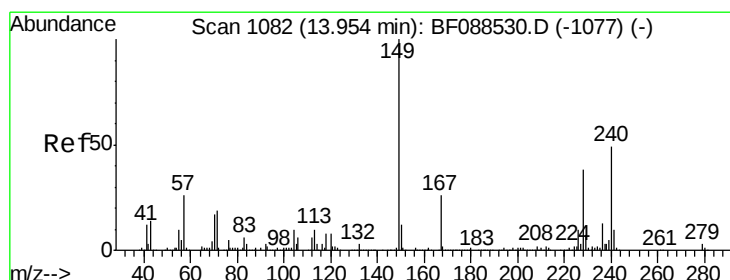
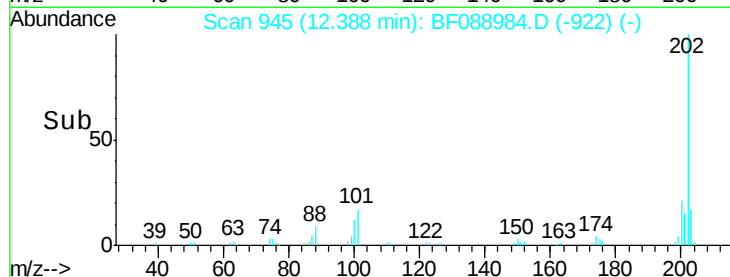
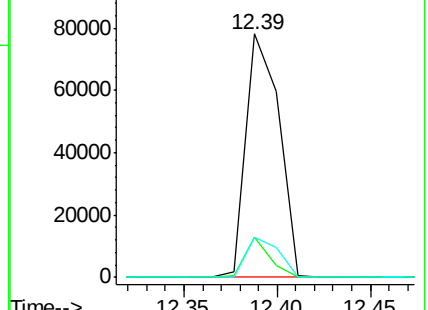
203 16.7 0.0 38.1



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: 13.82 min Scan# 1070

Delta R.T. -0.03 min

Lab File: BF088984.D

Acq: 14 Jul 2016 13:53

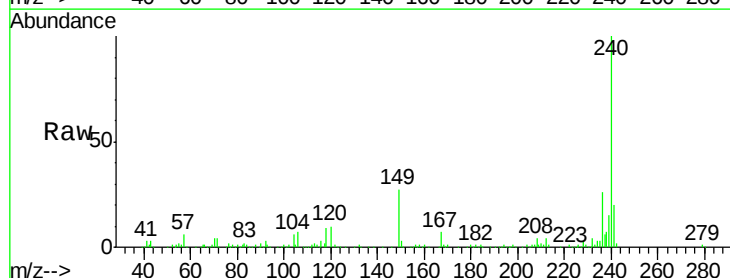
Tgt Ion: 240 Resp: 245214

Ion Ratio Lower Upper

240 100

120 9.5 6.8 10.2

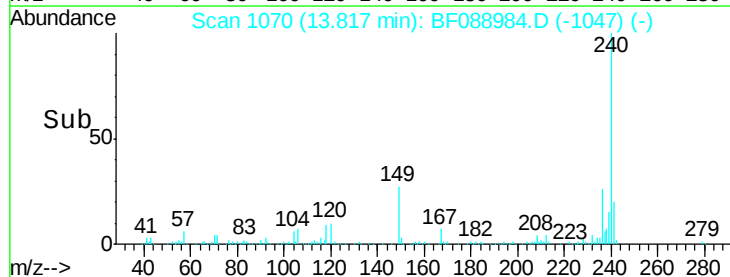
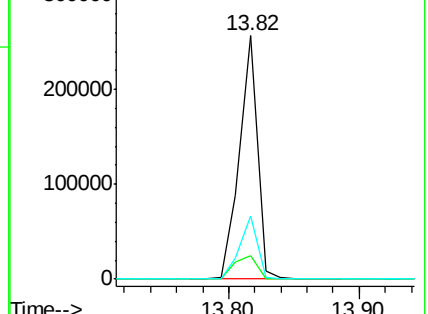
236 25.8 20.2 30.2

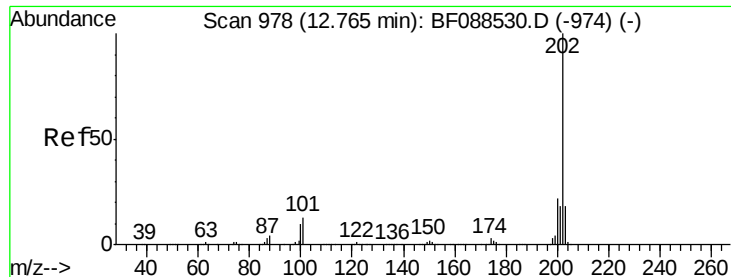


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

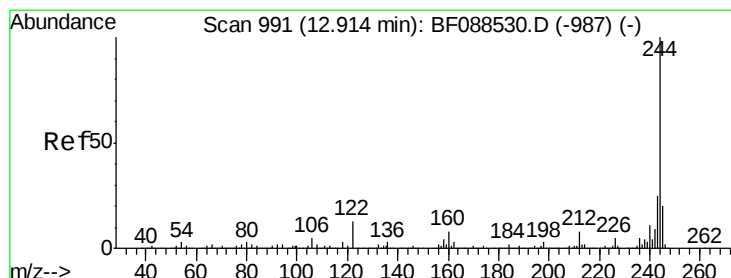
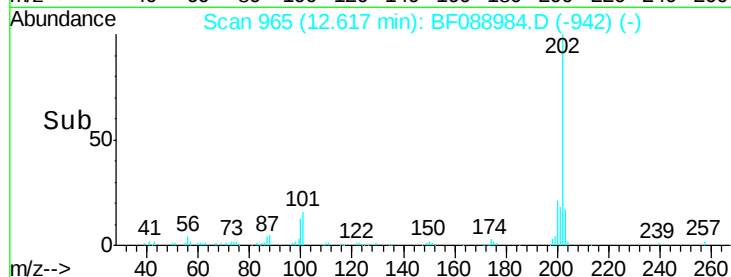
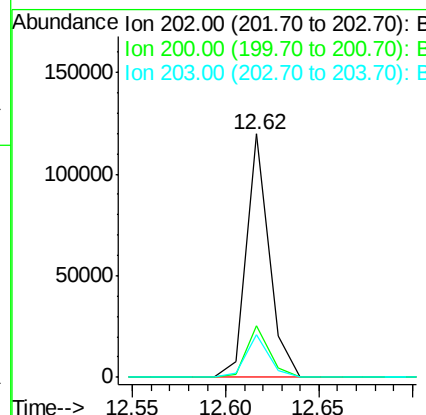
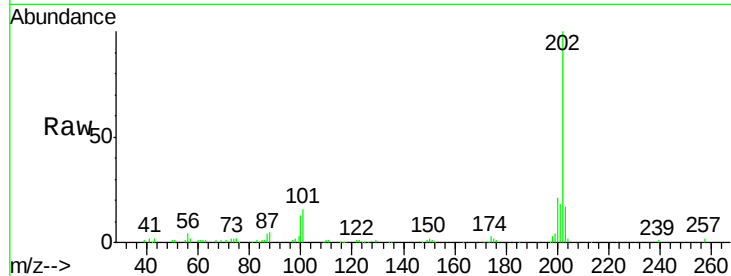




#77
 Pyrene
 Concen: 4.88 ng
 RT: 12.62 min Scan# 965
 Delta R.T. -0.03 min
 Lab File: BF088984.D
 Acq: 14 Jul 2016 13:53

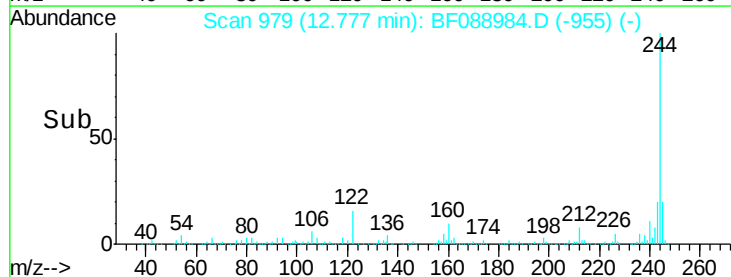
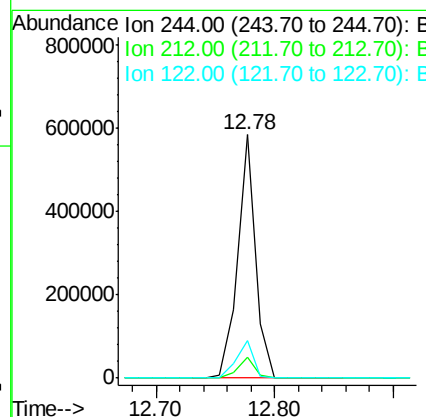
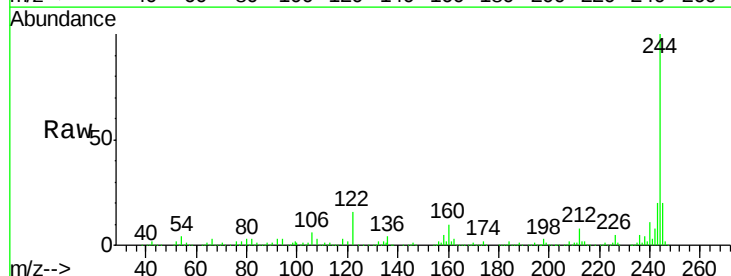
Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01

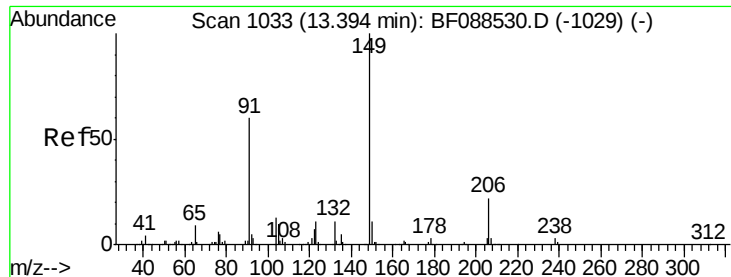
Tgt Ion:202 Resp: 101488
 Ion Ratio Lower Upper
 202 100
 200 21.0 17.4 26.2
 203 17.3 14.5 21.7



#78
 Terphenyl-d14
 Concen: 55.07 ng
 RT: 12.78 min Scan# 979
 Delta R.T. -0.02 min
 Lab File: BF088984.D
 Acq: 14 Jul 2016 13:53

Tgt Ion:244 Resp: 606309
 Ion Ratio Lower Upper
 244 100
 212 8.4 6.0 9.0
 122 15.6 11.2 16.8

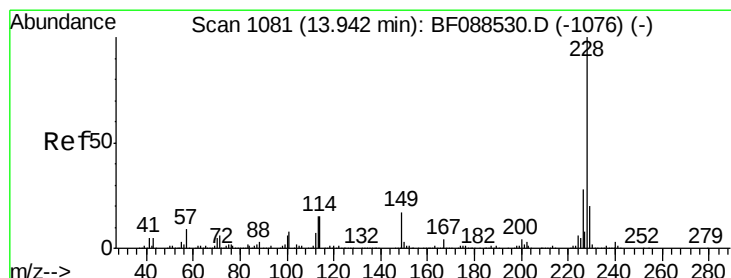
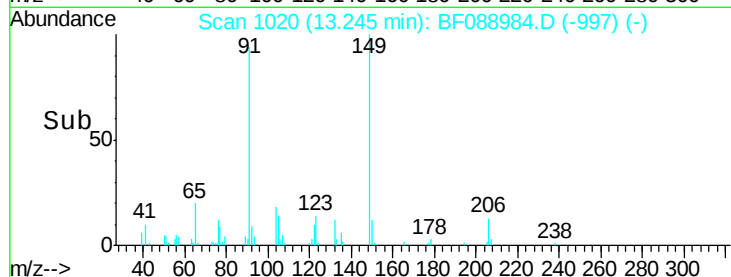
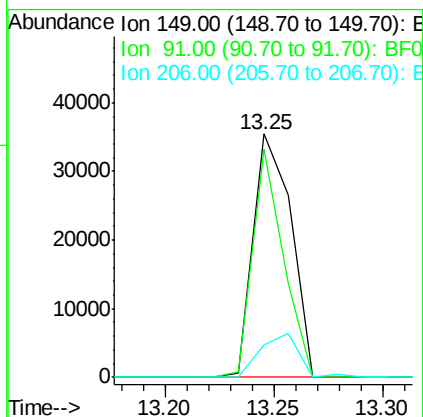
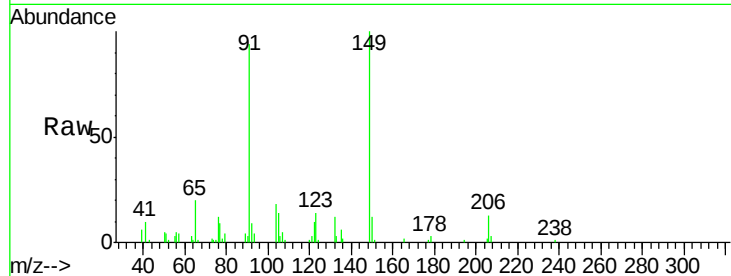




#79
Butylbenzylphthalate
Concen: 4.63 ng
RT: 13.25 min Scan# 1020
Delta R.T. -0.03 min
Lab File: BF088984.D
Acq: 14 Jul 2016 13:53

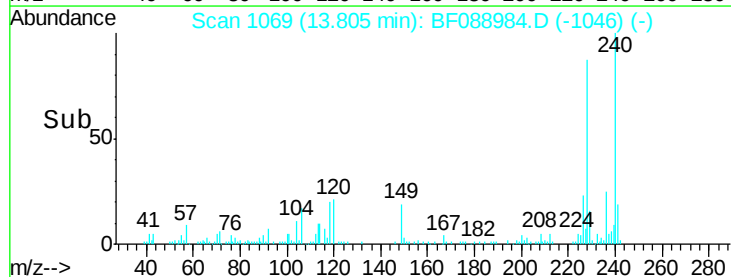
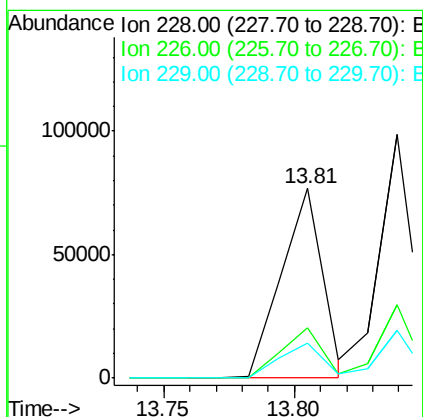
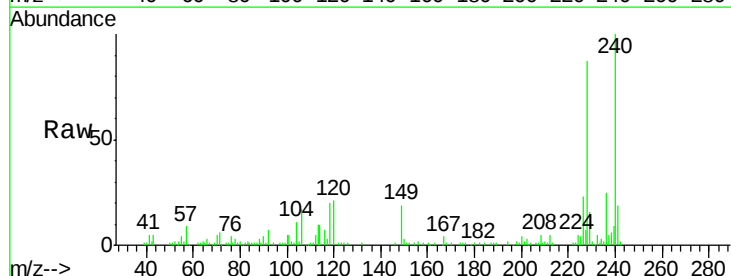
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2016-01

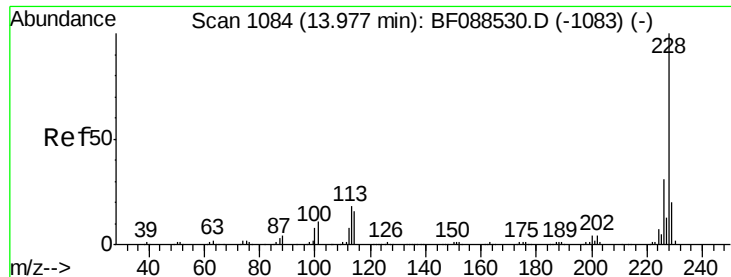
Tgt Ion:149 Resp: 42978
Ion Ratio Lower Upper
149 100
91 93.6 48.0 72.0#
206 13.1 16.0 24.0#



#80
Benzo(a)anthracene
Concen: 5.32 ng
RT: 13.81 min Scan# 1069
Delta R.T. -0.03 min
Lab File: BF088984.D
Acq: 14 Jul 2016 13:53

Tgt Ion:228 Resp: 83992
Ion Ratio Lower Upper
228 100
226 26.3 22.3 33.5
229 18.5 16.0 24.0





#82

Chrysene

Concen: 5.37 ng

RT: 13.84 min Scan# 1072

Delta R.T. -0.03 min

Lab File: BF088984.D

Acq: 14 Jul 2016 13:53

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

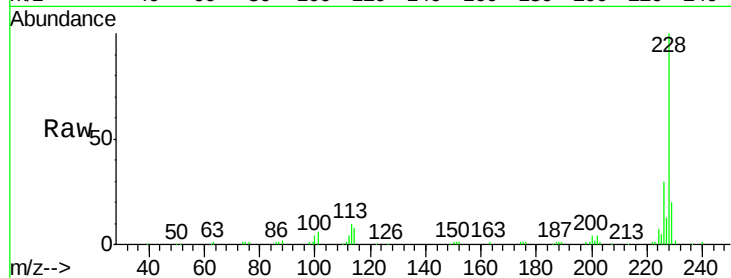
Tgt Ion: 228 Resp: 83823

Ion Ratio Lower Upper

228 100

226 30.1 25.4 38.2

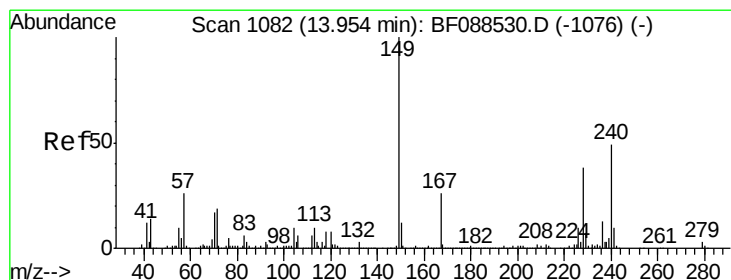
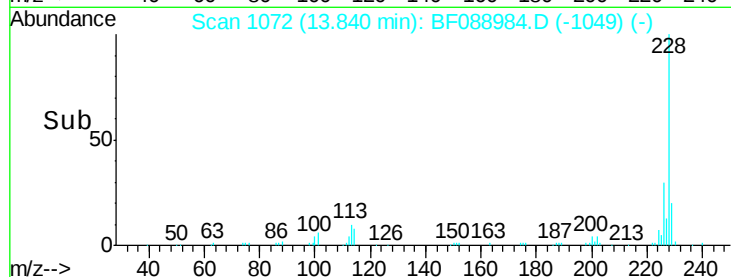
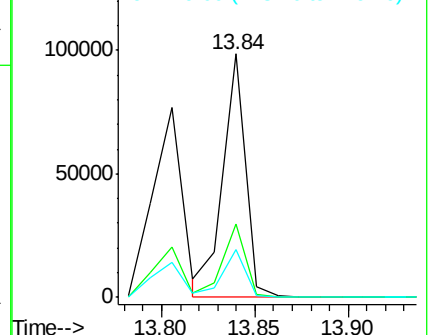
229 19.5 16.3 24.5



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Bis(2-ethylhexyl)phthalate

Concen: 5.87 ng

RT: 13.82 min Scan# 1070

Delta R.T. -0.02 min

Lab File: BF088984.D

Acq: 14 Jul 2016 13:53

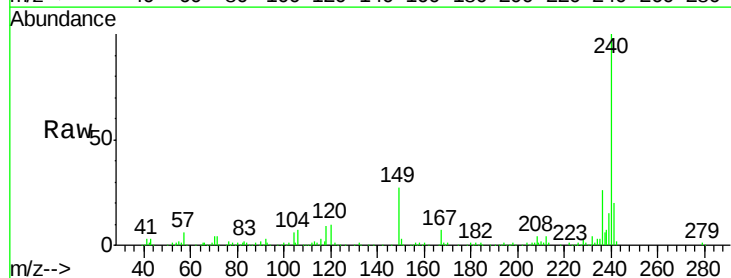
Tgt Ion: 149 Resp: 62183

Ion Ratio Lower Upper

149 100

167 25.7 20.5 30.7

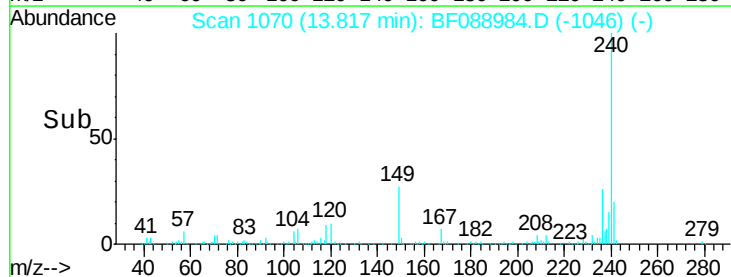
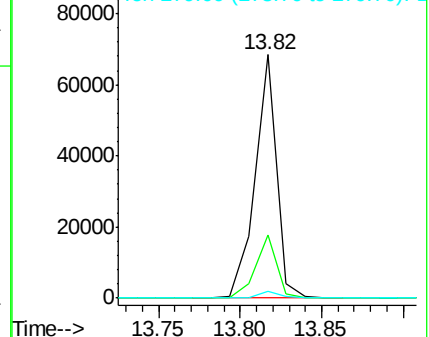
279 2.9 2.0 3.0

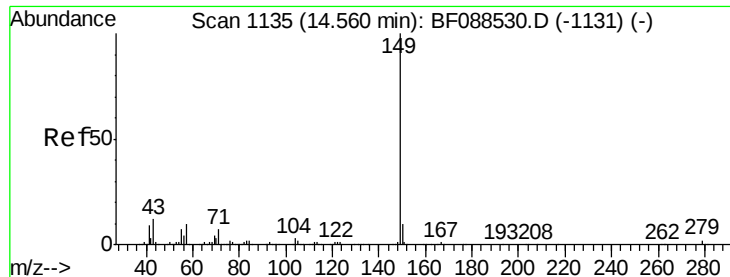


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

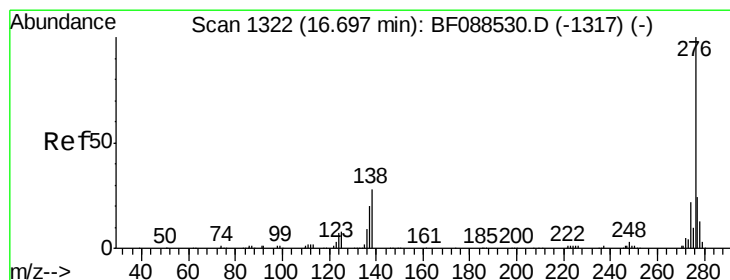
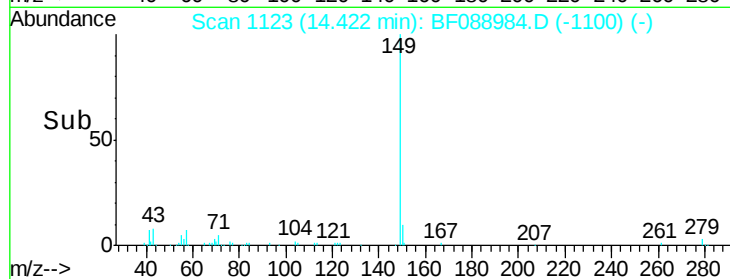
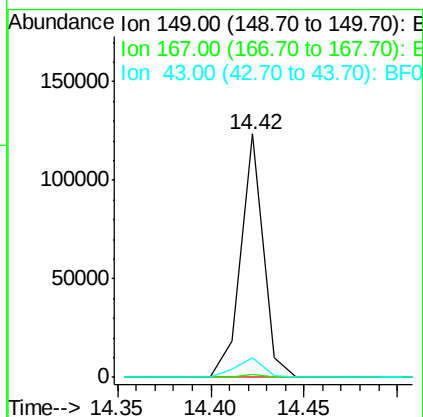
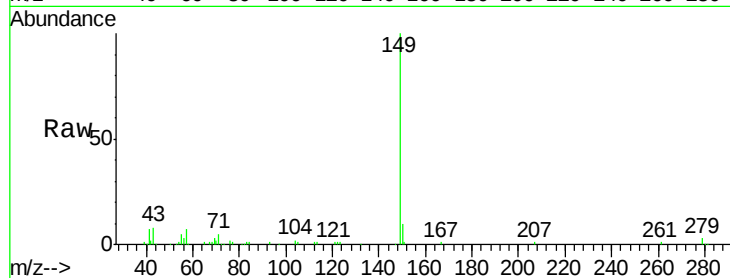




#84
Di-n-octyl phthalate
Concen: 5.82 ng
RT: 14.42 min Scan# 1123
Delta R.T. -0.03 min
Lab File: BF088984.D
Acq: 14 Jul 2016 13:53

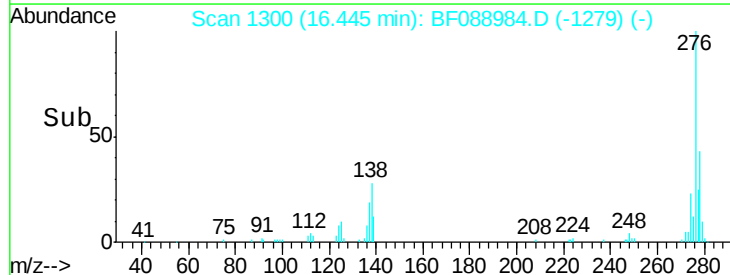
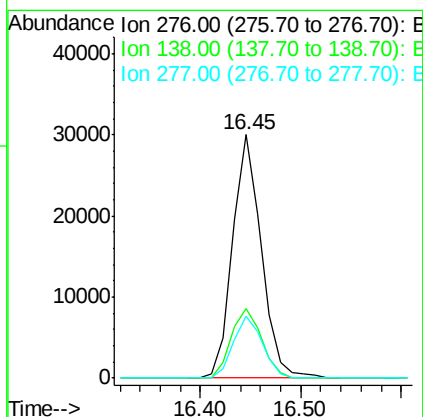
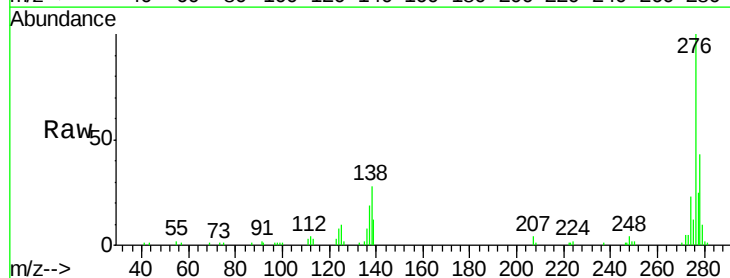
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2016-01

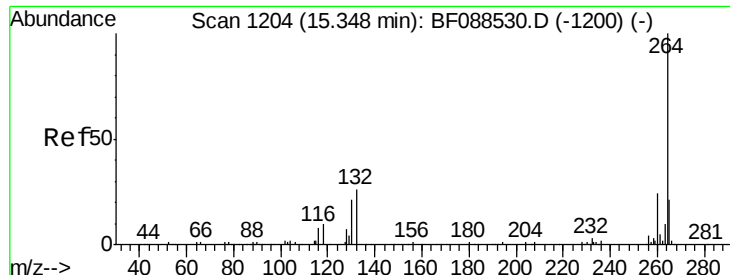
Tgt Ion:149 Resp: 104651
Ion Ratio Lower Upper
149 100
167 1.2 0.0 0.0#
43 9.8 0.0 0.0#



#85
Indeno(1,2,3-cd)pyrene
Concen: 4.93 ng
RT: 16.45 min Scan# 1300
Delta R.T. -0.06 min
Lab File: BF088984.D
Acq: 14 Jul 2016 13:53

Tgt Ion:276 Resp: 59297
Ion Ratio Lower Upper
276 100
138 30.2 0.0 0.0#
277 25.8 0.0 0.0#





#86

Perylene-d12

Concen: 20.00 ng

RT: 15.18 min Scan# 1189

Delta R.T. -0.03 min

Lab File: BF088984.D

Acq: 14 Jul 2016 13:53

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

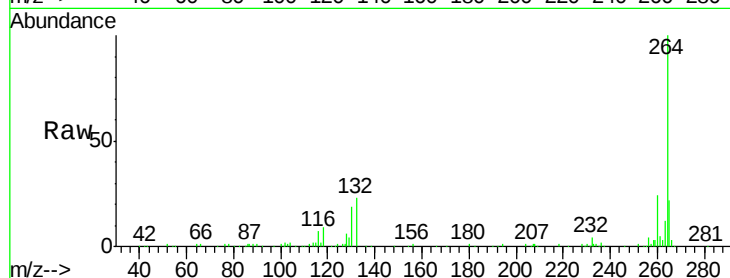
Tgt Ion:264 Resp: 190278

Ion Ratio Lower Upper

264 100

260 24.1 19.2 28.8

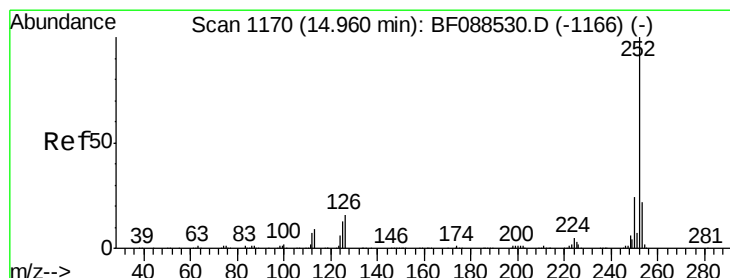
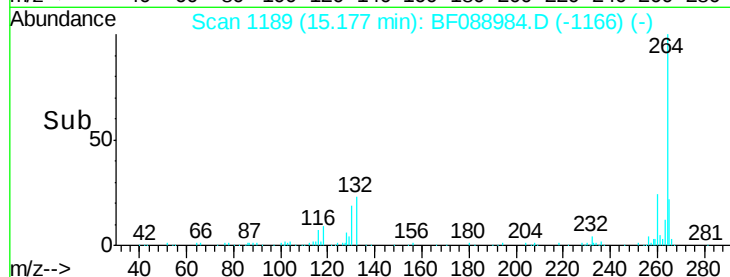
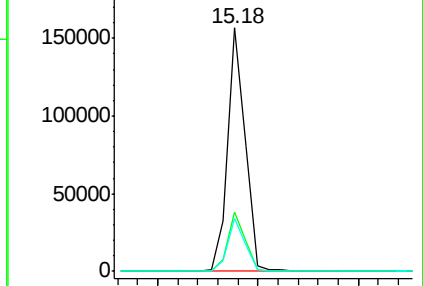
265 21.5 16.9 25.3



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#87

Benzo(b)fluoranthene

Concen: 11.90 ng

RT: 14.80 min Scan# 1156

Delta R.T. -0.03 min

Lab File: BF088984.D

Acq: 14 Jul 2016 13:53

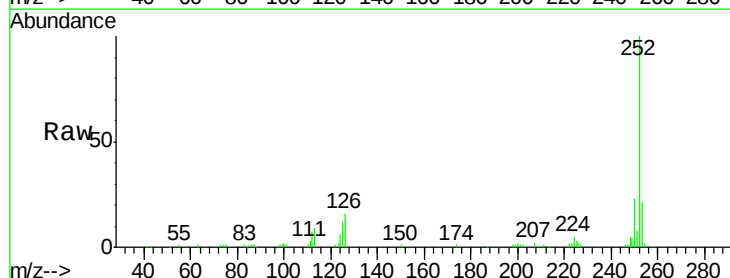
Tgt Ion:252 Resp: 142072

Ion Ratio Lower Upper

252 100

253 21.2 17.4 26.2

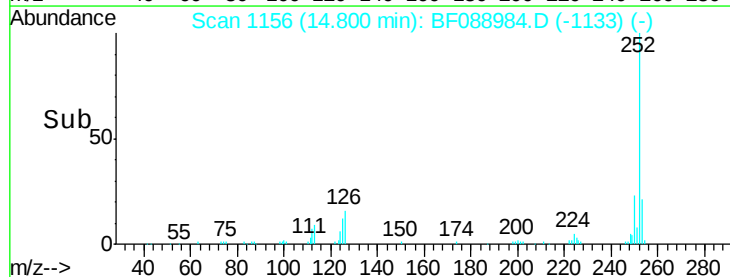
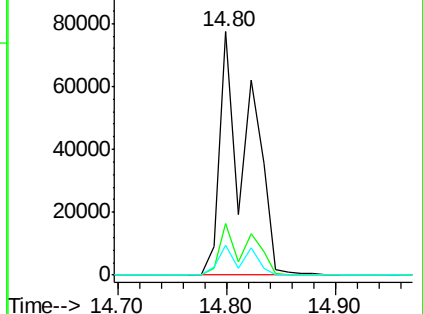
125 12.1 7.1 10.7#

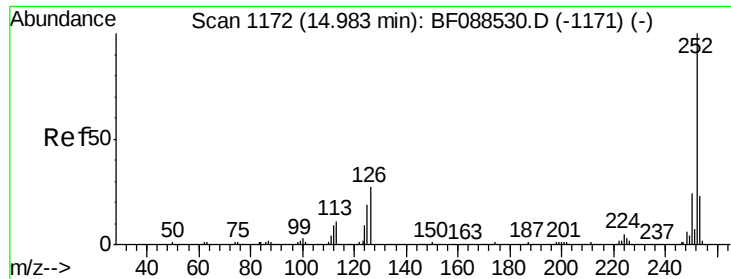


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

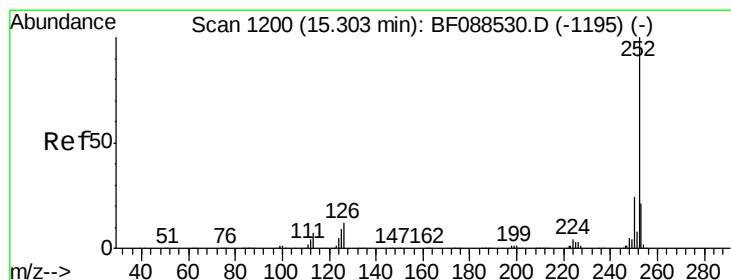
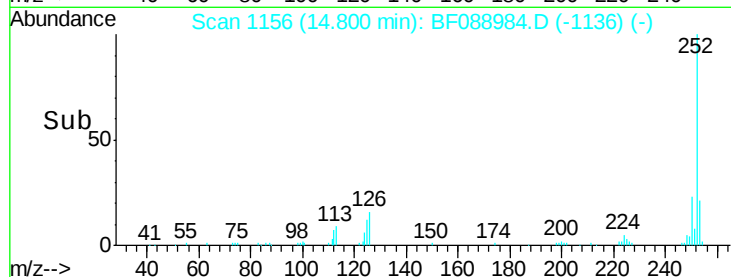
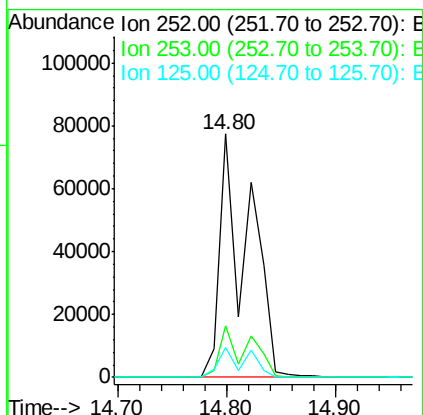
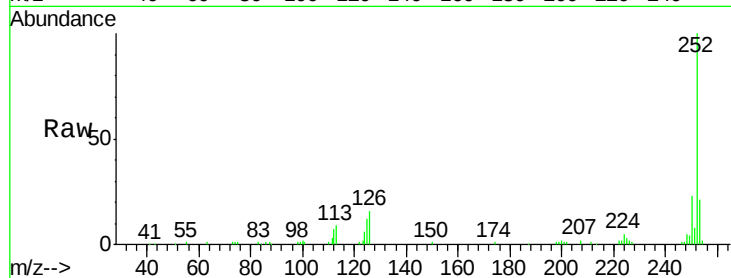




#88
Benzo(k)fluoranthene
Concen: 13.67 ng
RT: 14.80 min Scan# 1156
Delta R.T. -0.07 min
Lab File: BF088984.D
Acq: 14 Jul 2016 13:53

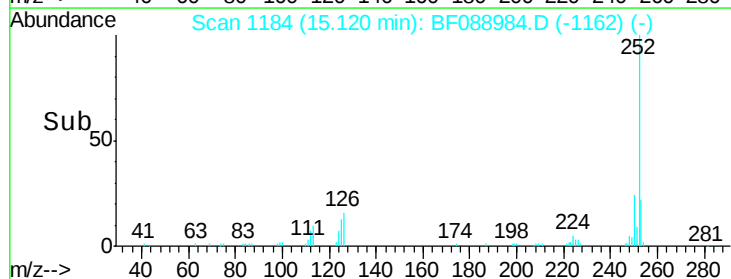
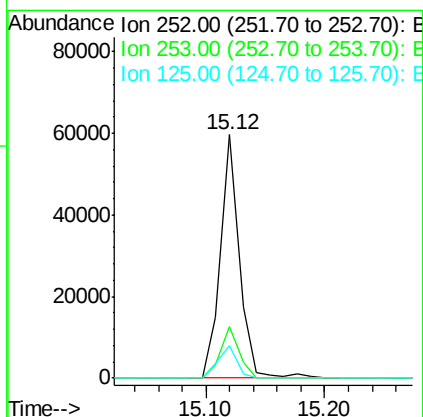
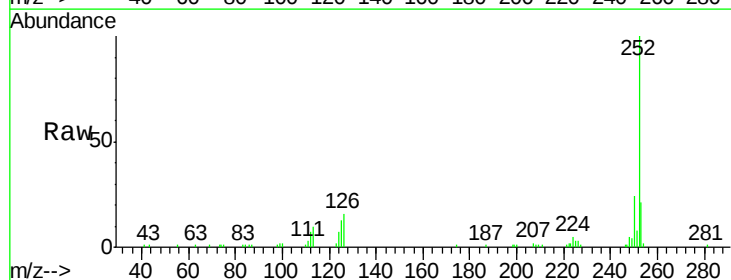
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2016-01

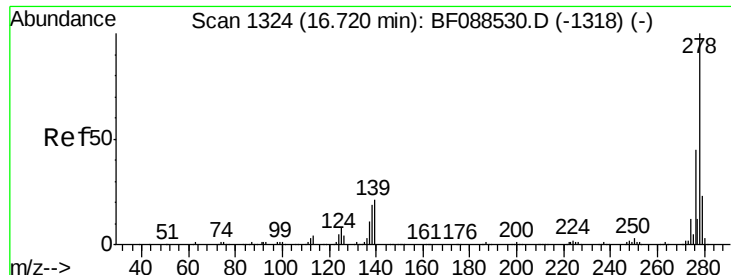
Tgt Ion: 252 Resp: 142072
Ion Ratio Lower Upper
252 100
253 21.2 18.0 27.0
125 12.1 11.2 16.8



#89
Benzo(a)pyrene
Concen: 6.50 ng
RT: 15.12 min Scan# 1184
Delta R.T. -0.05 min
Lab File: BF088984.D
Acq: 14 Jul 2016 13:53

Tgt Ion: 252 Resp: 65695
Ion Ratio Lower Upper
252 100
253 21.4 17.9 26.9
125 13.2 12.5 18.7

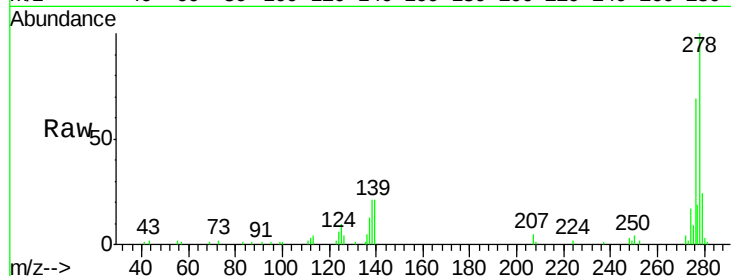




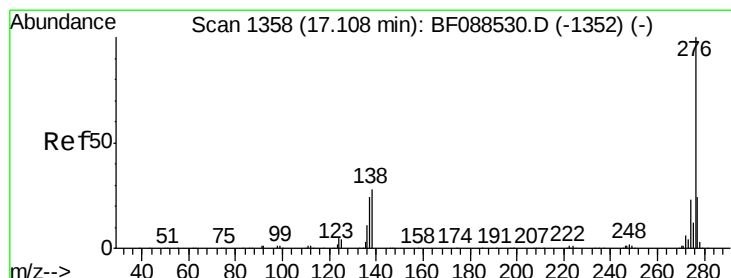
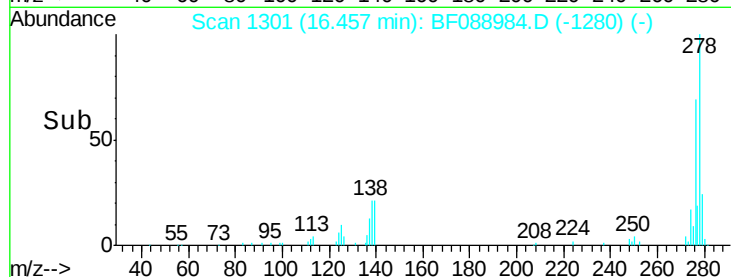
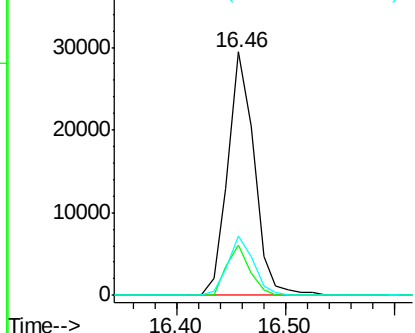
#90
Dibenzo(a,h)anthracene
Concen: 5.87 ng
RT: 16.46 min Scan# 1301
Delta R.T. -0.06 min
Lab File: BF088984.D
Acq: 14 Jul 2016 13:53

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2016-01

Tgt Ion	Ratio	Lower	Upper
278	100		
139	20.7	15.7	23.5
279	24.4	19.4	29.2

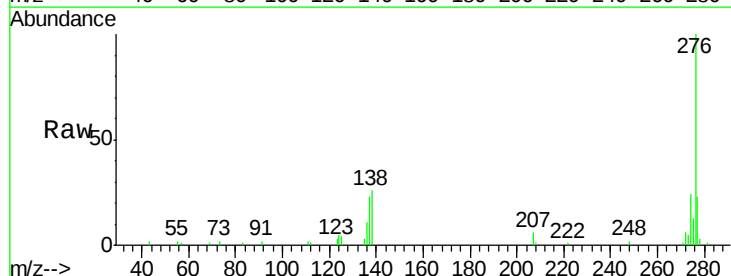


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#91
Benzo(g,h,i)perylene
Concen: 5.66 ng
RT: 16.82 min Scan# 1333
Delta R.T. -0.07 min
Lab File: BF088984.D
Acq: 14 Jul 2016 13:53

Tgt Ion	Ratio	Lower	Upper
276	100		
277	22.8	18.9	28.3
138	25.7	21.4	32.2



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

