

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071416\
 Data File : BF088983.D
 Acq On : 14 Jul 2016 13:23
 Operator : UM/SJ
 Sample : H3606-04
 Misc : LOQ-20PPM
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2016-02

Quant Time: Jul 15 01:14:10 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	71567	20.00	ng	-0.02
21) Naphthalene-d8	7.98	136	299860	20.00	ng	-0.02
38) Acenaphthene-d10	9.71	164	140136	20.00	ng	-0.03
63) Phenanthrene-d10	11.20	188	277189	20.00	ng	-0.02
75) Chrysene-d12	13.82	240	215917	20.00	ng	-0.03
86) Perylene-d12	15.18	264	168334	20.00	ng	-0.03

System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	448550	93.93	ng	0.00
7) Phenol-d6	6.34	99	621545	100.73	ng	-0.01
23) Nitrobenzene-d5	7.26	82	414882	72.51	ng	-0.02
41) 2,4,6-Tribromophenol	10.51	330	140820	108.21	ng	-0.02
44) 2-Fluorobiphenyl	9.05	172	710576	80.09	ng	-0.02
78) Terphenyl-d14	12.78	244	579480	59.78	ng	-0.02

Target Compounds						Qvalue
2) 1,4-Dioxane	2.27	88	24088	10.17	ng	# 15
3) Pyridine	2.95	79	73203	10.66	ng	95
4) n-Nitrosodimethylamine	2.86	42	30955	11.79	ng	99
6) Aniline	6.34	93	47386	5.27	ng	# 1
8) 2-Chlorophenol	6.47	128	67787	13.21	ng	86
9) Benzaldehyde	6.23	77	64520	15.44	ng	90
10) Phenol	6.35	94	112414	15.96	ng	85
11) bis(2-Chloroethyl)ether	6.43	93	68241	12.99	ng	# 81
12) 1,3-Dichlorobenzene	6.63	146	76892	13.61	ng	95
13) 1,4-Dichlorobenzene	6.71	146	73536	13.12	ng	97
14) 1,2-Dichlorobenzene	6.71	146	73536	14.02	ng	97
15) Benzyl Alcohol	6.83	79	75858	16.70	ng	90
16) 2,2'-oxybis(1-Chloropropan	6.97	45	81531	10.72	ng	89
17) 2-Methylphenol	6.96	107	62257	14.87	ng	97
18) Hexachloroethane	7.20	117	29928	13.80	ng	91
19) n-Nitroso-di-n-propylamine	7.11	70	56628	13.66	ng	90
20) 3+4-Methylphenols	7.11	107	79036	15.73	ng	# 88
22) Acetophenone	7.10	105	103488	14.22	ng	# 92
24) Nitrobenzene	7.27	77	74780	12.96	ng	# 79
25) Isophorone	7.51	82	136815	12.91	ng	# 93
26) 2-Nitrophenol	7.59	139	37097	15.68	ng	# 96
27) 2,4-Dimethylphenol	7.63	122	59660	12.11	ng	# 86
28) bis(2-Chloroethoxy)methane	7.72	93	83664	12.13	ng	# 94
29) 2,4-Dichlorophenol	7.84	162	57828	14.52	ng	92
30) 1,2,4-Trichlorobenzene	7.92	180	64810	14.83	ng	98
31) Naphthalene	7.99	128	199759	13.51	ng	98
32) Benzoic acid	7.75	122	38946	10.89	ng	96
33) 4-Chloroaniline	8.04	127	30881	4.70	ng	99
34) Hexachlorobutadiene	8.11	225	31203	13.33	ng	98
35) Caprolactam	8.40	113	21587	15.96	ng	# 86
36) 4-Chloro-3-methylphenol	8.54	107	74507	15.82	ng	92
37) 2-Methylnaphthalene	8.68	142	143989	15.13	ng	# 94
39) 1,2,4,5-Tetrachlorobenzene	8.84	216	57336	12.30	ng	# 1
40) Hexachlorocyclopentadiene	8.83	237	20168	8.82	ng	99

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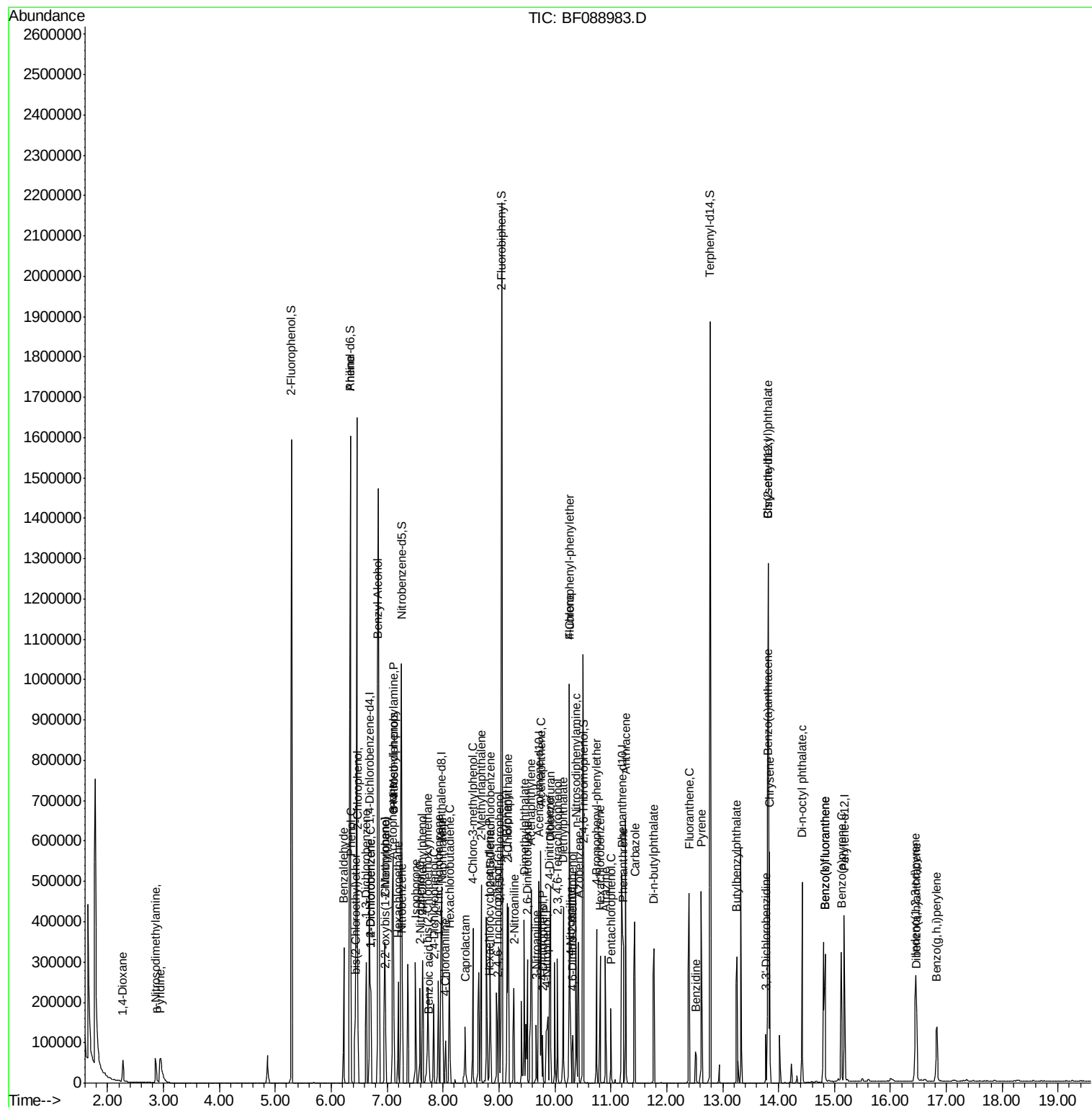
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	8.97	196	39881	12.98	ng	99
43) 2,4,5-Trichlorophenol	9.00	196	45229	17.11	ng #	89
45) 1,1'-Biphenyl	9.14	154	154019	13.27	ng	99
46) 2-Chloronaphthalene	9.16	162	124569	13.67	ng	96
47) 2-Nitroaniline	9.27	65	44087	13.64	ng #	75
48) Acenaphthylene	9.58	152	203264	14.02	ng	99
49) Dimethylphthalate	9.45	163	165260	16.55	ng	99
50) 2,6-Dinitrotoluene	9.51	165	34152	15.43	ng #	56
51) Acenaphthene	9.75	154	131283	14.78	ng	97
52) 3-Nitroaniline	9.67	138	18528	6.59	ng	83
53) 2,4-Dinitrophenol	9.78	184	13640	13.96	ng	93
54) Dibenzofuran	9.92	168	183094	15.74	ng #	86
55) 4-Nitrophenol	9.85	139	28015	13.11	ng #	78
56) 2,4-Dinitrotoluene	9.91	165	46061	15.92	ng #	51
57) Fluorene	10.26	166	154631	17.25	ng	98
58) 2,3,4,6-Tetrachlorophenol	10.04	232	34037	16.64	ng #	50
59) Diethylphthalate	10.15	149	157358	15.71	ng	98
60) 4-Chlorophenyl-phenylether	10.26	204	69723	16.74	ng	97
61) 4-Nitroaniline	10.27	138	35013	12.94	ng #	70
62) Azobenzene	10.42	77	177758	15.55	ng	95
64) 4,6-Dinitro-2-methylphenol	10.32	198	20025	13.51	ng #	70
65) n-Nitrosodiphenylamine	10.38	169	123824	13.20	ng	98
66) 4-Bromophenyl-phenylether	10.74	248	35502	12.71	ng #	66
67) Hexachlorobenzene	10.81	284	40708	13.16	ng #	90
68) Atrazine	10.90	200	40780	13.95	ng	88
69) Pentachlorophenol	11.00	266	18743	10.24	ng	97
70) Phenanthrene	11.22	178	210541	13.89	ng	96
71) Anthracene	11.27	178	232750	15.45	ng	98
72) Carbazole	11.43	167	206836	14.59	ng	98
73) Di-n-butylphthalate	11.77	149	249640	15.13	ng #	97
74) Fluoranthene	12.40	202	230625	15.01	ng	92
76) Benzidine	12.53	184	42363	3.88	ng	98
77) Pyrene	12.62	202	214533	11.72	ng	99
79) Butylbenzylphthalate	13.26	149	103317	12.65	ng	94
80) Benzo(a)anthracene	13.81	228	189772	13.65	ng	98
81) 3,3'-Dichlorobenzidine	13.77	252	22048	4.22	ng #	98
82) Chrysene	13.84	228	158692	11.54	ng	98
83) Bis(2-ethylhexyl)phthalate	13.82	149	139636	14.98	ng	98
84) Di-n-octyl phthalate	14.42	149	225089	14.21	ng #	100
85) Indeno(1,2,3-cd)pyrene	16.45	276	129157	12.20	ng #	100
87) Benzo(b)fluoranthene	14.83	252	307091	29.08	ng	98
88) Benzo(k)fluoranthene	14.83	252	307091	33.41	ng #	92
89) Benzo(a)pyrene	15.12	252	139597	15.61	ng	98
90) Dibenzo(a,h)anthracene	16.47	278	106118	14.21	ng #	94
91) Benzo(g,h,i)perylene	16.83	276	104525	13.53	ng	94

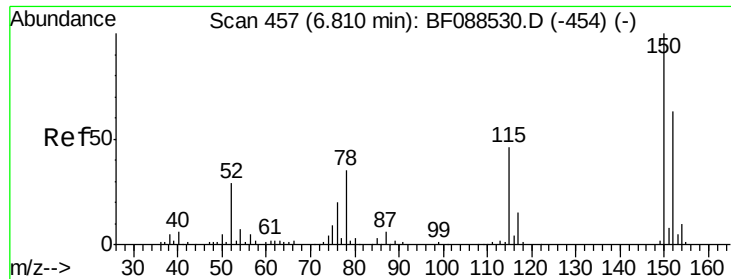
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.68 min Scan# 446

Delta R.T. -0.02 min

Lab File: BF088983.D

Acq: 14 Jul 2016 13:23

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2016-02

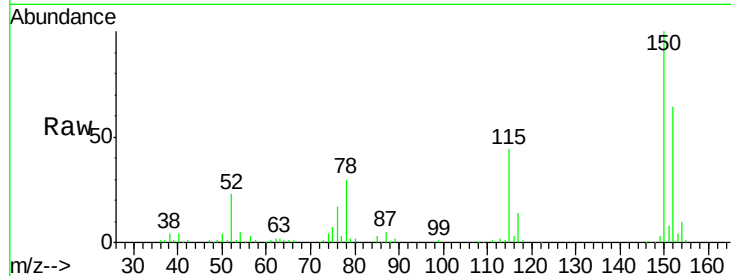
Tgt Ion:152 Resp: 71567

Ion Ratio Lower Upper

152 100

150 156.5 123.8 185.6

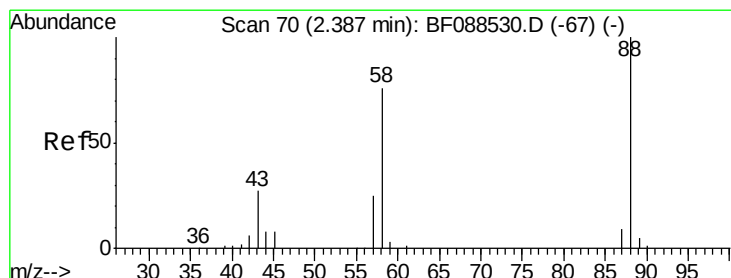
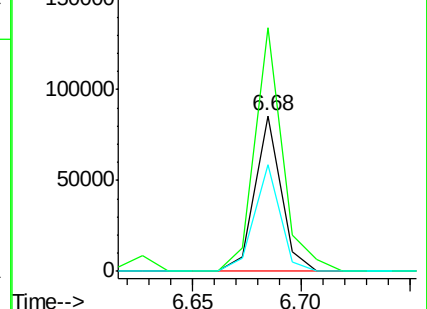
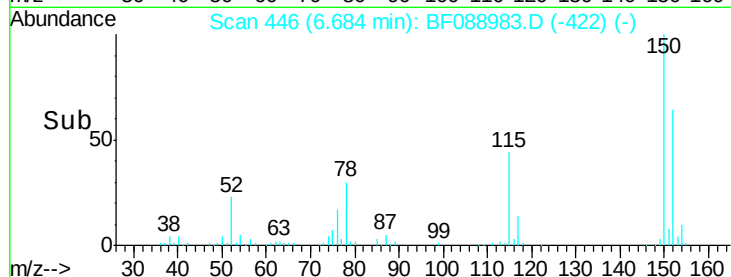
115 68.7 39.6 59.4#



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: 10.17 ng

RT: 2.27 min Scan# 60

Delta R.T. 0.06 min

Lab File: BF088983.D

Acq: 14 Jul 2016 13:23

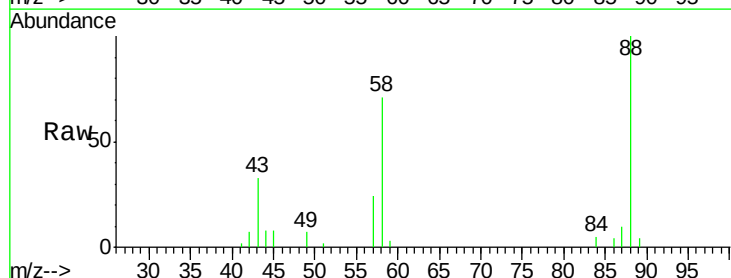
Tgt Ion: 88 Resp: 24088

Ion Ratio Lower Upper

88 100

58 71.3 0.0 0.0#

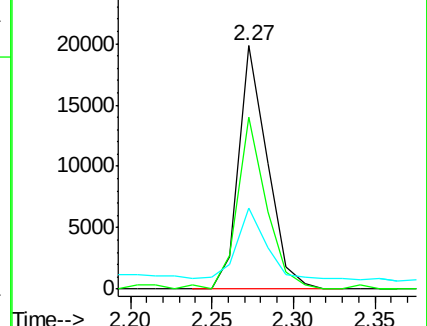
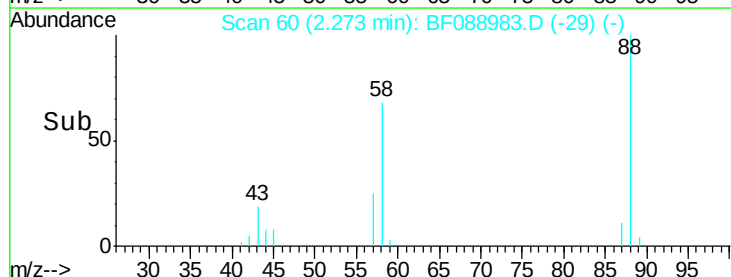
43 32.3 3.4 5.2#

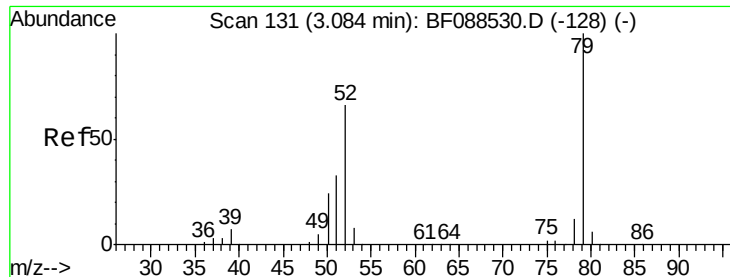


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#3

Pyridine

Concen: 10.66 ng

RT: 2.95 min Scan# 119

Delta R.T. 0.07 min

Lab File: BF088983.D

Acq: 14 Jul 2016 13:23

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2016-02

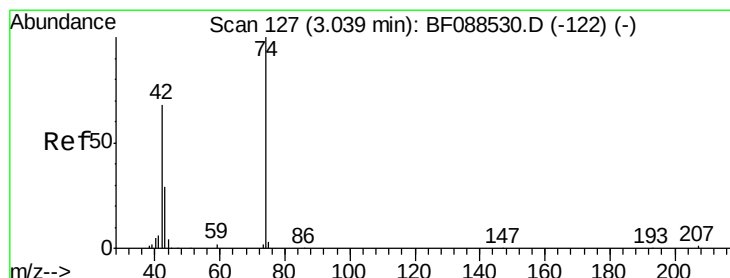
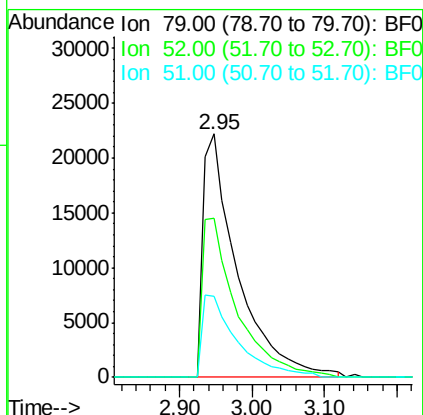
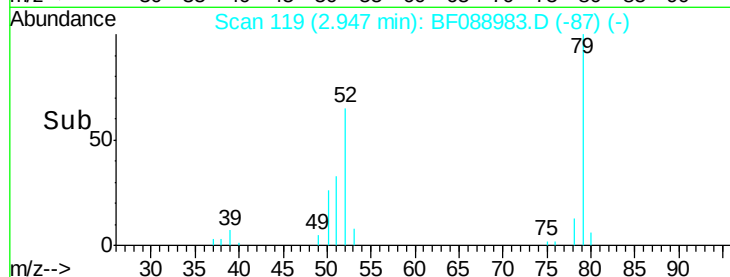
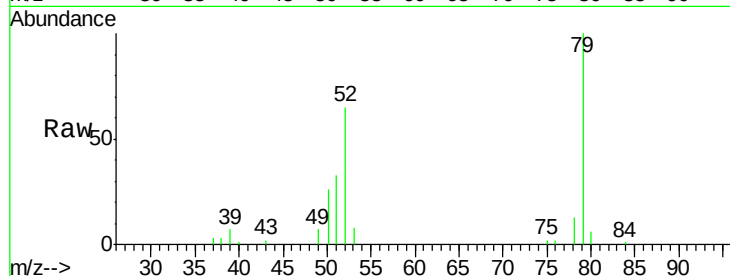
Tgt Ion: 79 Resp: 73203

Ion Ratio Lower Upper

79 100

52 65.2 56.3 84.5

51 33.3 27.4 41.2



#4

n-Nitrosodimethylamine

Concen: 11.79 ng

RT: 2.86 min Scan# 111

Delta R.T. 0.02 min

Lab File: BF088983.D

Acq: 14 Jul 2016 13:23

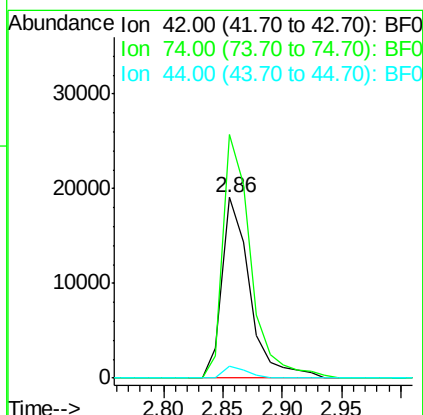
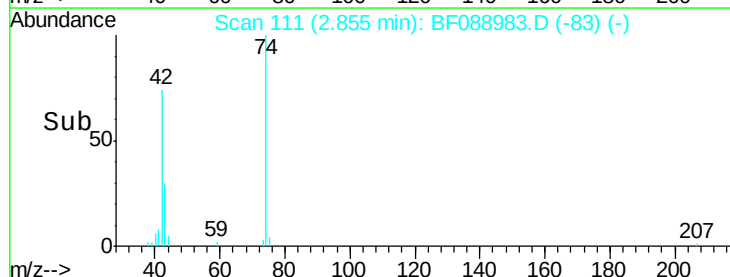
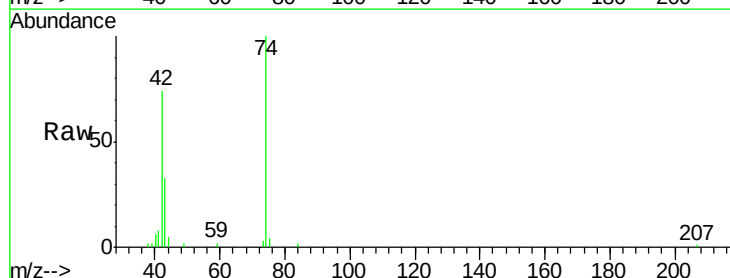
Tgt Ion: 42 Resp: 30955

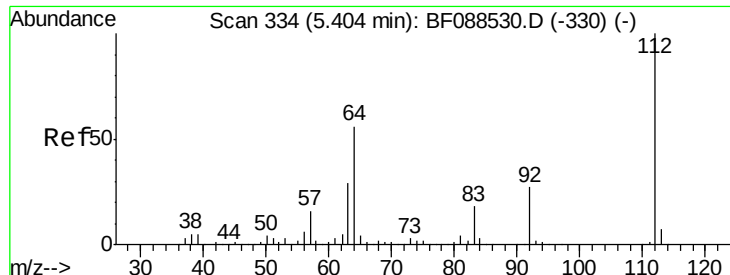
Ion Ratio Lower Upper

42 100

74 135.0 108.6 163.0

44 6.6 5.5 8.3





#5

2-Fluorophenol

Concen: 93.93 ng

RT: 5.29 min Scan# 324

Delta R.T. 0.00 min

Lab File: BF088983.D

Acq: 14 Jul 2016 13:23

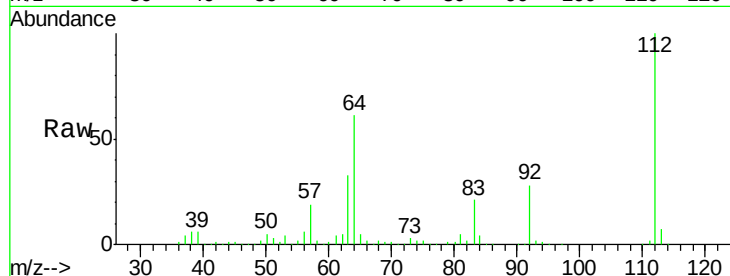
Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2016-02

Tgt Ion:	112	Resp:	448550
Ion Ratio	Lower	Upper	
112	100		
64	61.2	42.2	63.2
63	33.0	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

5.29

400000

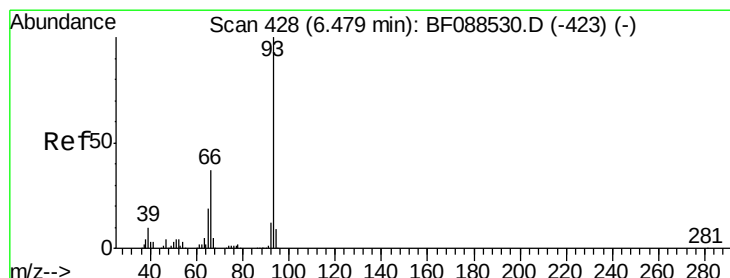
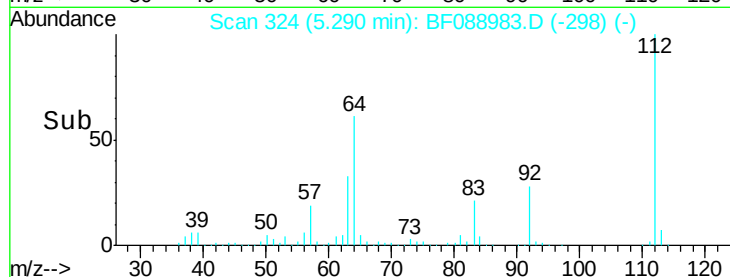
300000

200000

100000

0

Time-->



#6

Aniline

Concen: 5.27 ng

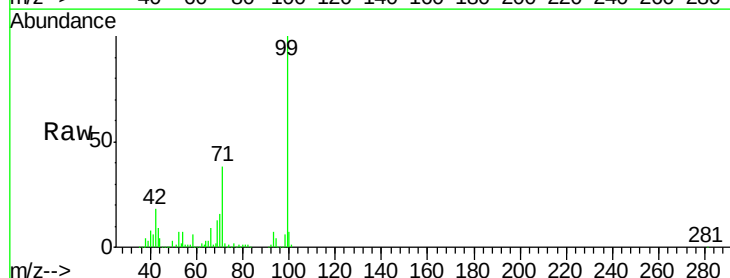
RT: 6.34 min Scan# 416

Delta R.T. -0.03 min

Lab File: BF088983.D

Acq: 14 Jul 2016 13:23

Tgt Ion:	93	Resp:	47386
Ion Ratio	Lower	Upper	
93	100		
66	142.5	29.8	44.8#
65	50.6	14.9	22.3#



Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

6.34

80000

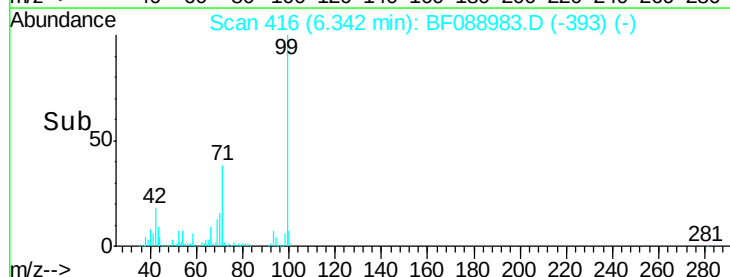
60000

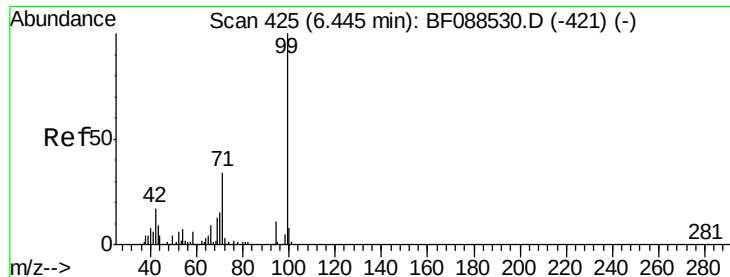
40000

20000

0

Time-->





#7

Phenol-d6

Concen: 100.73 ng

RT: 6.34 min Scan# 416

Delta R.T. -0.01 min

Lab File: BF088983.D

Acq: 14 Jul 2016 13:23

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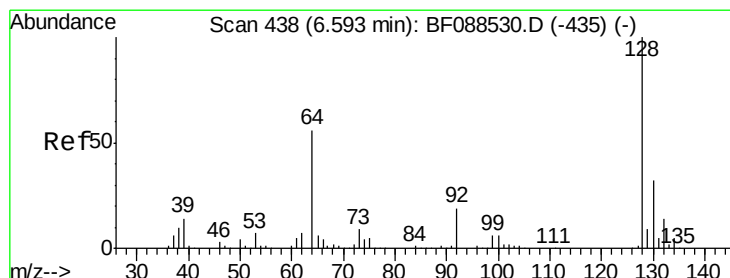
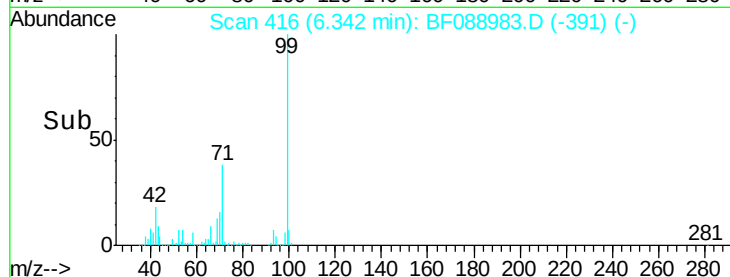
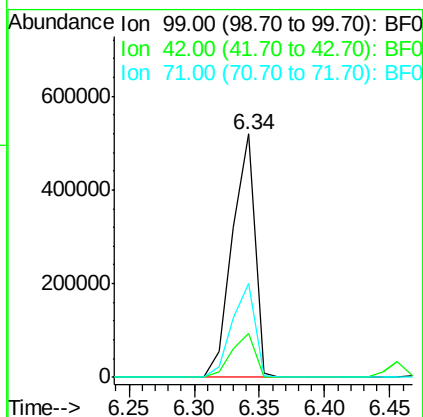
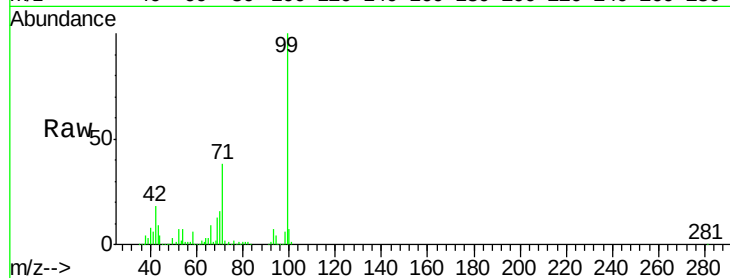
Tgt Ion: 99 Resp: 621545

Ion Ratio Lower Upper

99 100

42 18.1 12.2 18.2

71 38.4 23.4 35.0#



#8

2-Chlorophenol

Concen: 13.21 ng

RT: 6.47 min Scan# 427

Delta R.T. -0.02 min

Lab File: BF088983.D

Acq: 14 Jul 2016 13:23

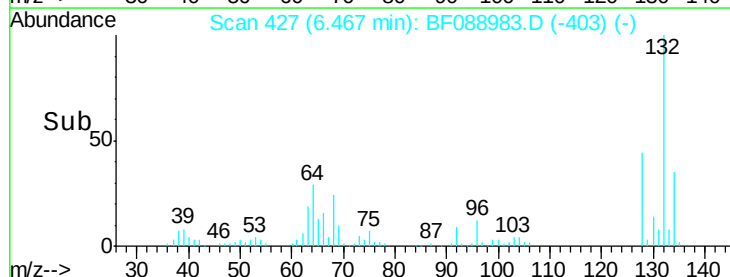
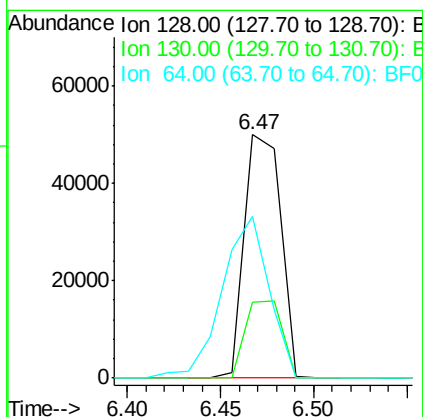
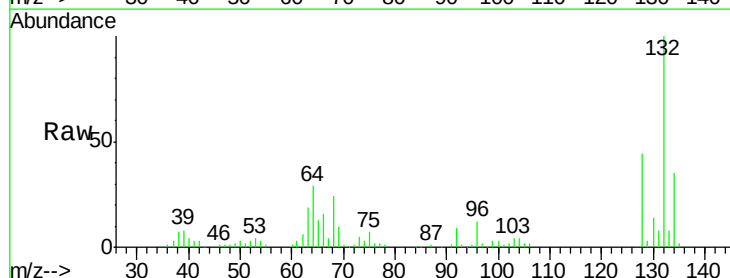
Tgt Ion: 128 Resp: 67787

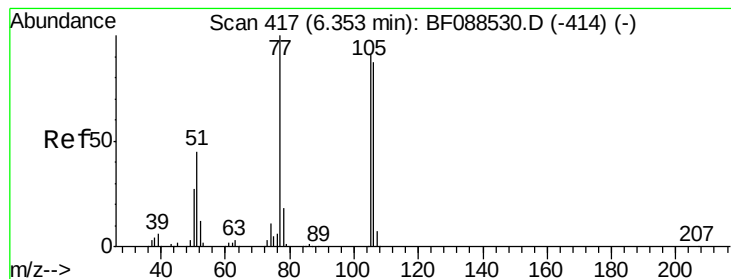
Ion Ratio Lower Upper

128 100

130 31.0 12.0 52.0

64 66.3 30.8 70.8





#9

Benzaldehyde

Concen: 15.44 ng

RT: 6.23 min Scan# 406

Delta R.T. -0.02 min

Lab File: BF088983.D

Acq: 14 Jul 2016 13:23

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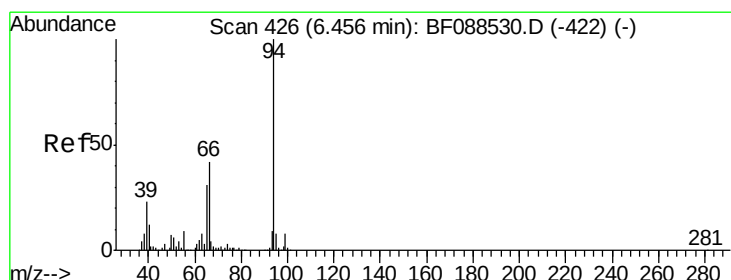
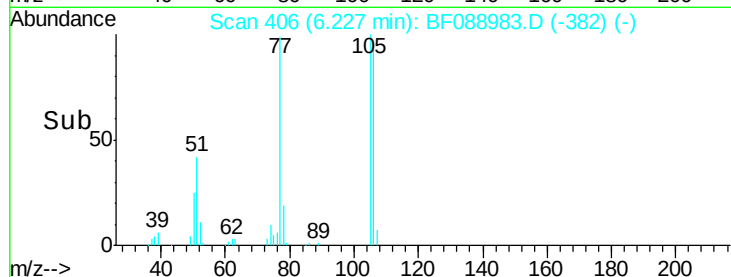
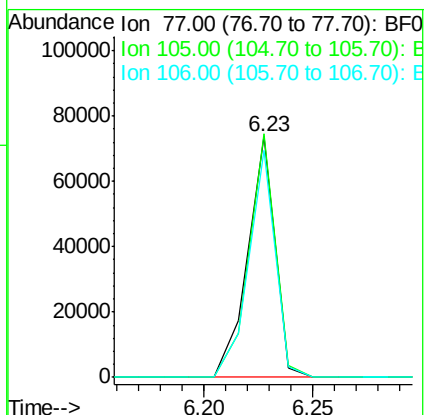
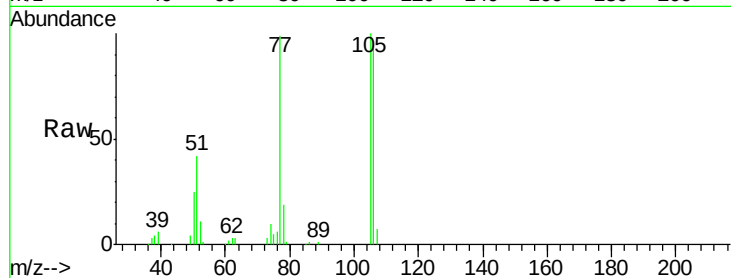
Tgt Ion: 77 Resp: 64520

Ion Ratio Lower Upper

77 100

105 101.1 90.6 130.6

106 94.4 85.3 125.3



#10

Phenol

Concen: 15.96 ng

RT: 6.35 min Scan# 417

Delta R.T. -0.01 min

Lab File: BF088983.D

Acq: 14 Jul 2016 13:23

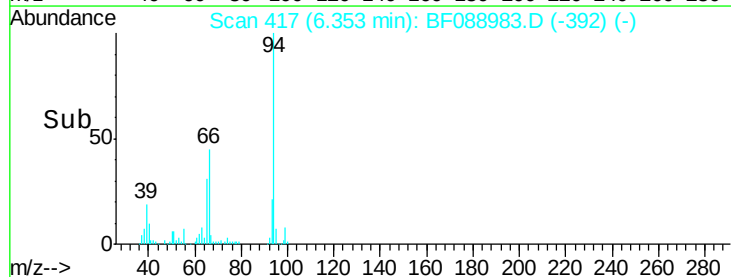
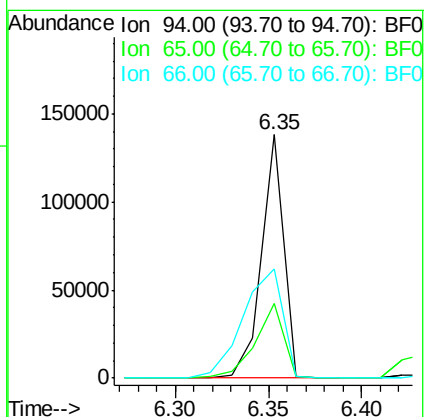
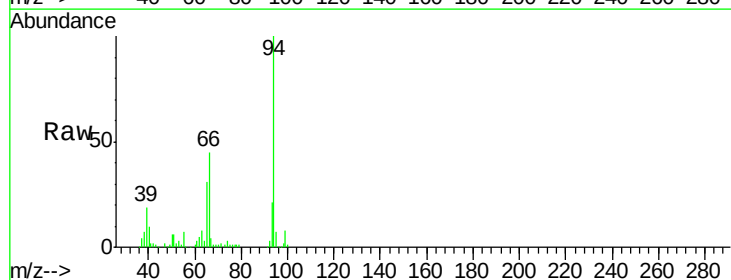
Tgt Ion: 94 Resp: 112414

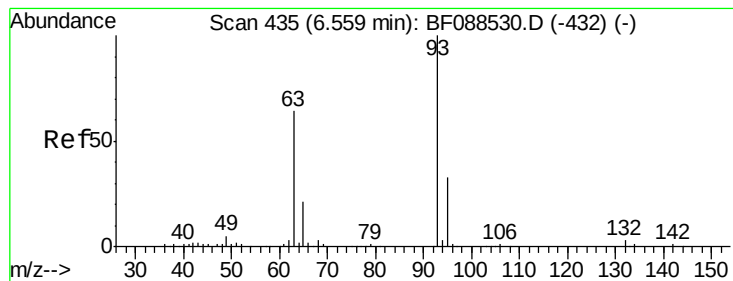
Ion Ratio Lower Upper

94 100

65 30.5 5.9 45.9

66 45.0 14.0 54.0





#11

bis(2-Chloroethyl)ether

Concen: 12.99 ng

RT: 6.43 min Scan# 424

Delta R.T. -0.02 min

Lab File: BF088983.D

Acq: 14 Jul 2016 13:23

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2016-02

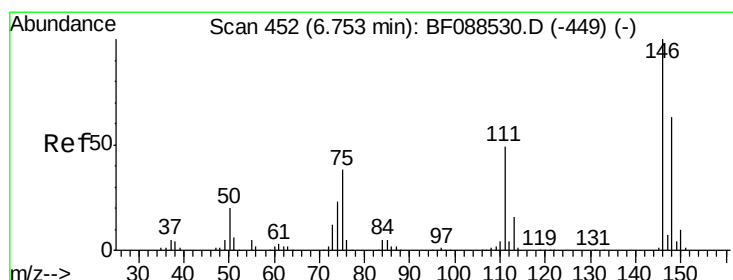
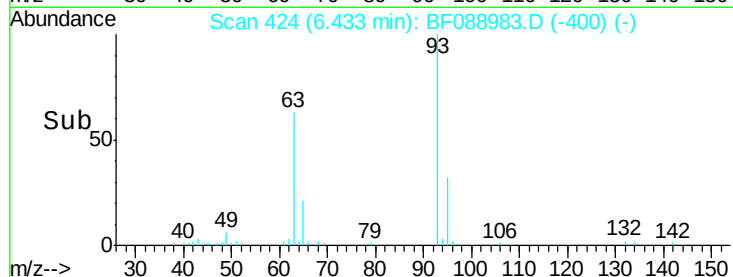
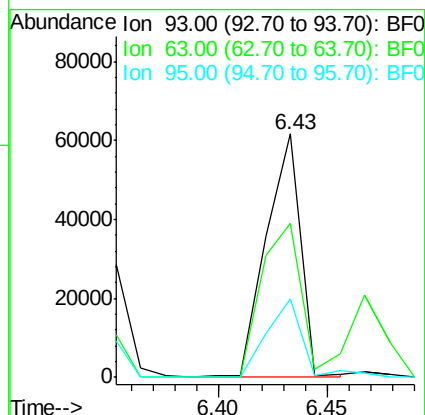
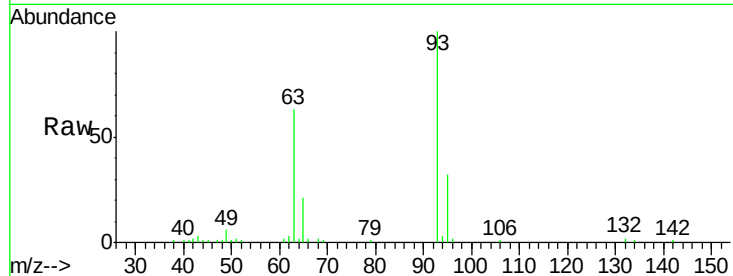
Tgt Ion: 93 Resp: 68241

Ion Ratio Lower Upper

93 100

63 63.3 67.6 107.6#

95 32.5 12.5 52.5



#12

1,3-Dichlorobenzene

Concen: 13.61 ng

RT: 6.63 min Scan# 441

Delta R.T. -0.02 min

Lab File: BF088983.D

Acq: 14 Jul 2016 13:23

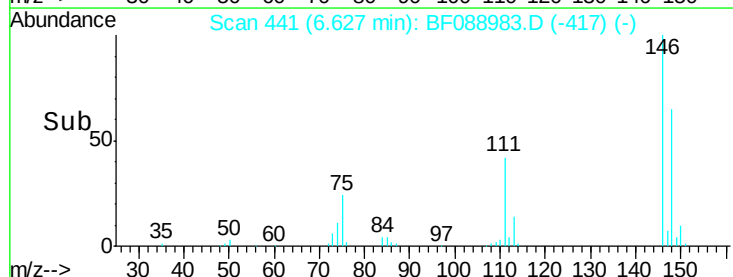
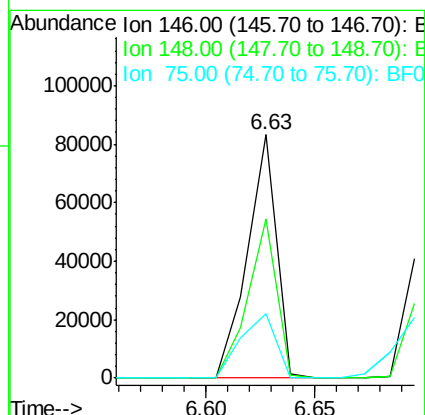
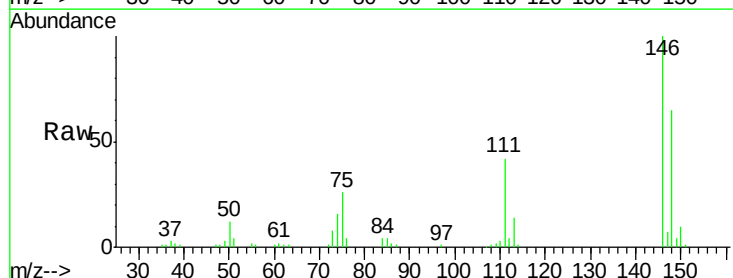
Tgt Ion: 146 Resp: 76892

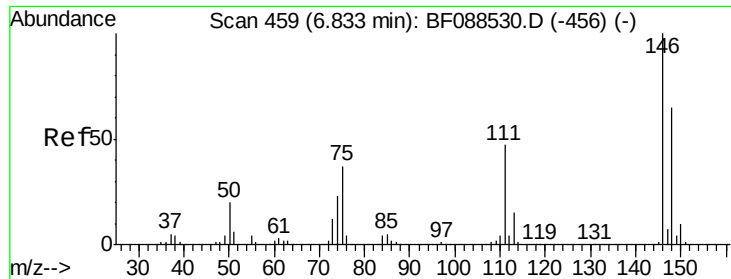
Ion Ratio Lower Upper

146 100

148 65.3 50.9 76.3

75 26.4 25.6 38.4

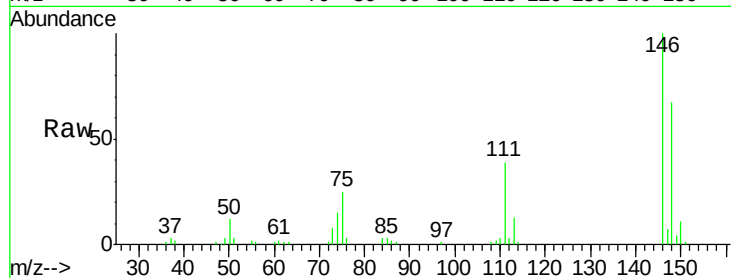




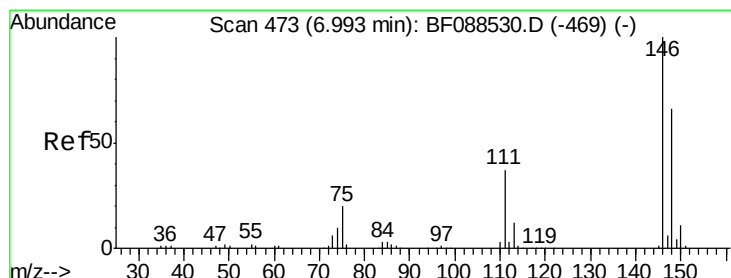
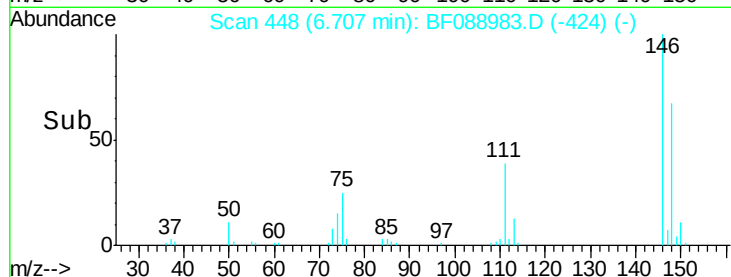
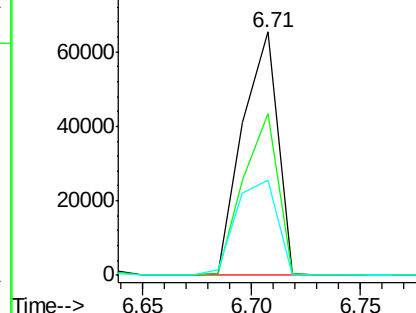
#13
 1,4-Dichlorobenzene
 Concen: 13.12 ng
 RT: 6.71 min Scan# 448
 Delta R.T. -0.02 min
 Lab File: BF088983.D
 Acq: 14 Jul 2016 13:23

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2016-02

Tgt Ion:146 Resp: 73536
 Ion Ratio Lower Upper
 146 100
 148 66.6 52.0 78.0
 111 39.2 33.8 50.8

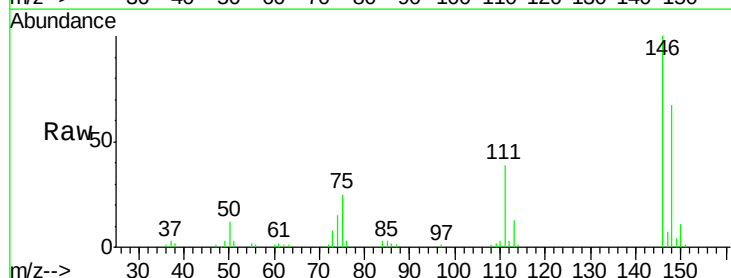


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

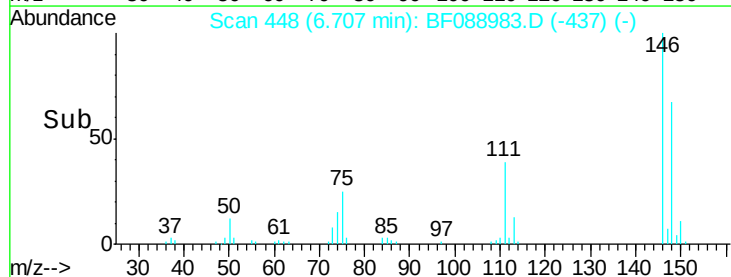
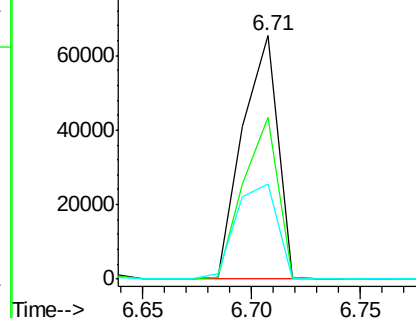


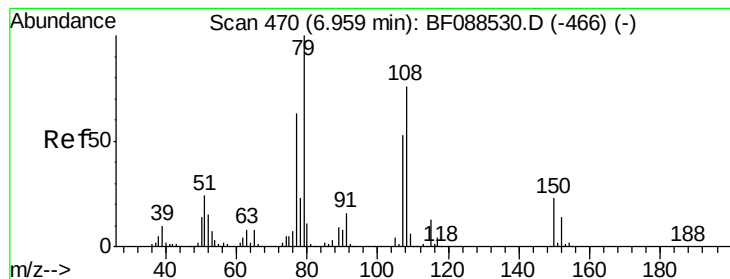
#14
 1,2-Dichlorobenzene
 Concen: 14.02 ng
 RT: 6.71 min Scan# 448
 Delta R.T. -0.17 min
 Lab File: BF088983.D
 Acq: 14 Jul 2016 13:23

Tgt Ion:146 Resp: 73536
 Ion Ratio Lower Upper
 146 100
 148 66.6 52.3 78.5
 111 39.2 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: 16.70 ng

RT: 6.83 min Scan# 459

Delta R.T. -0.02 min

Lab File: BF088983.D

Acq: 14 Jul 2016 13:23

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2016-02

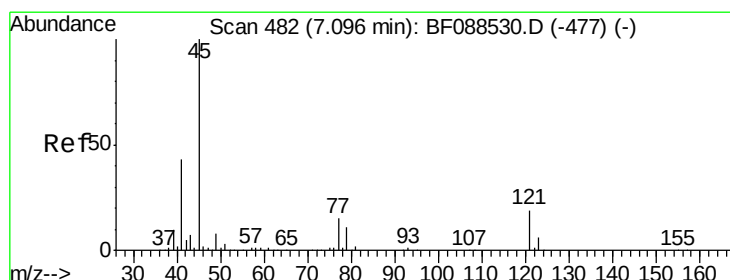
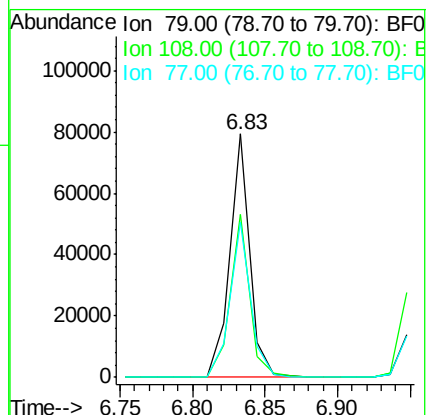
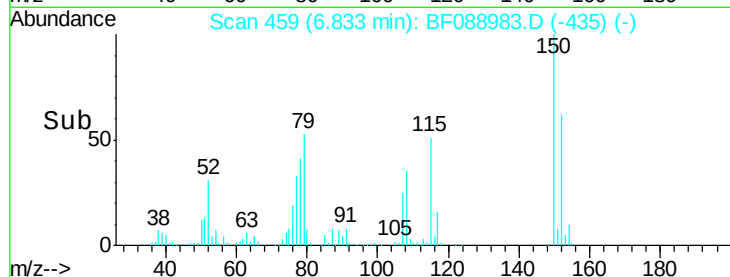
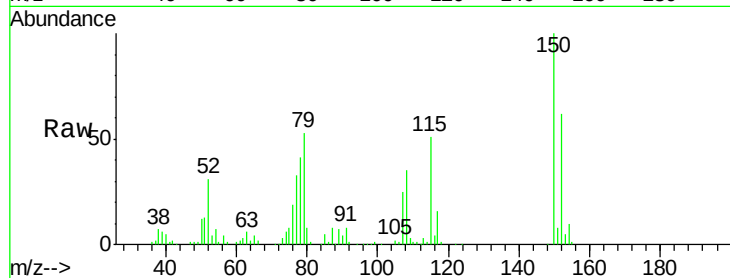
Tgt Ion: 79 Resp: 75858

Ion Ratio Lower Upper

79 100

108 66.7 65.0 97.6

77 63.5 50.3 75.5



#16

2,2'-oxybis(1-Chloropropane)

Concen: 10.72 ng

RT: 6.97 min Scan# 471

Delta R.T. -0.02 min

Lab File: BF088983.D

Acq: 14 Jul 2016 13:23

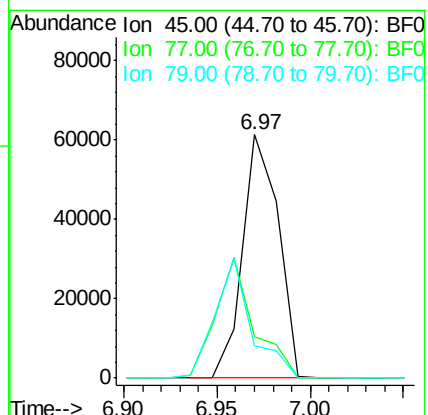
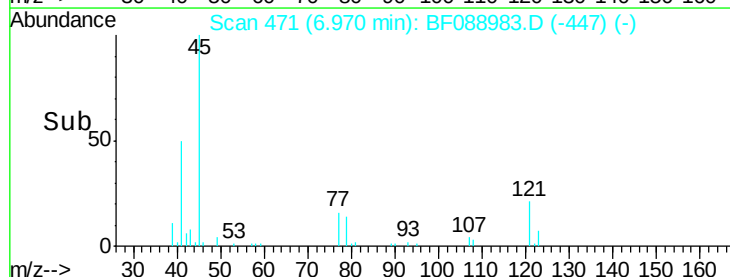
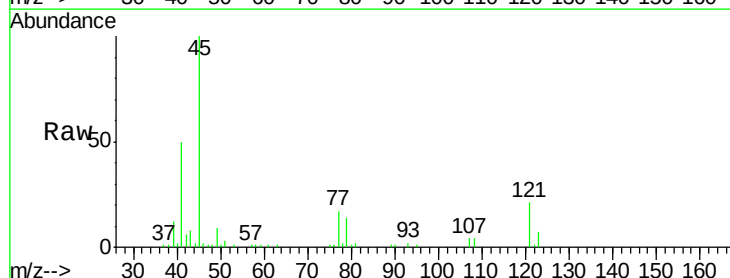
Tgt Ion: 45 Resp: 81531

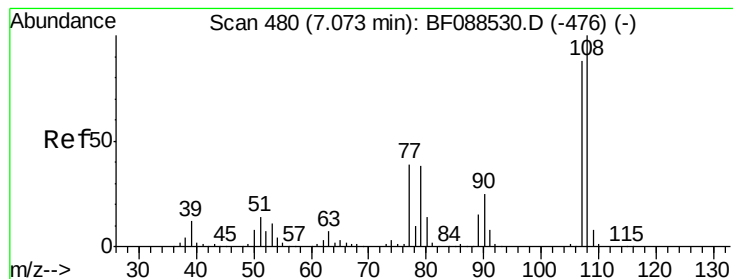
Ion Ratio Lower Upper

45 100

77 16.9 0.0 32.5

79 13.5 0.0 29.5





#17

2-Methylphenol

Concen: 14.87 ng

RT: 6.96 min Scan# 470

Delta R.T. -0.02 min

Lab File: BF088983.D

Acq: 14 Jul 2016 13:23

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2016-02

Tgt Ion:107 Resp: 62257

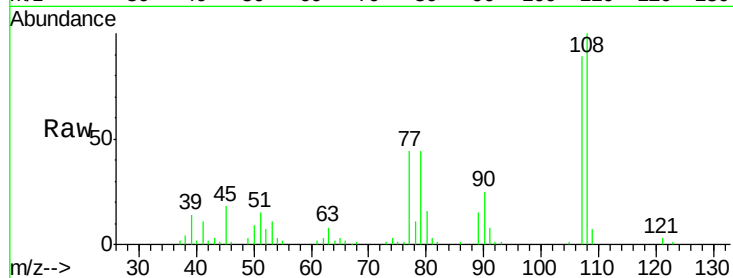
Ion Ratio Lower Upper

107 100

108 111.8 90.9 136.3

77 49.3 36.6 55.0

79 48.6 36.5 54.7

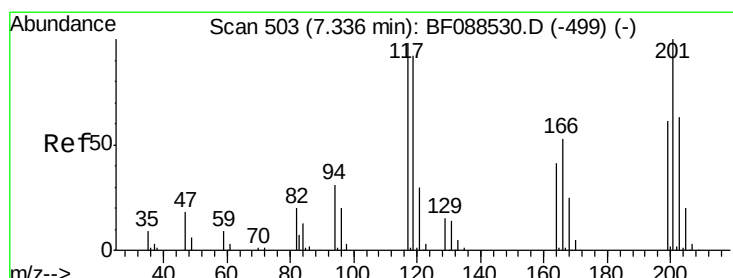
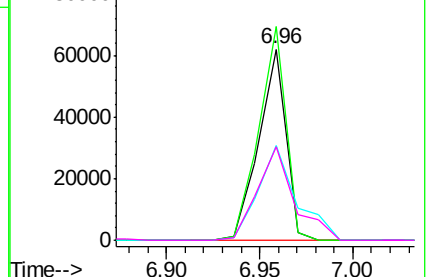
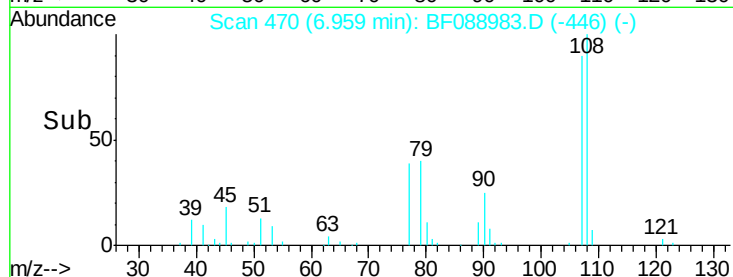


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#18

Hexachloroethane

Concen: 13.80 ng

RT: 7.20 min Scan# 491

Delta R.T. -0.02 min

Lab File: BF088983.D

Acq: 14 Jul 2016 13:23

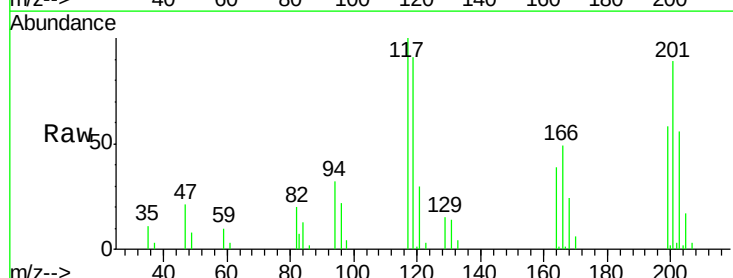
Tgt Ion:117 Resp: 29928

Ion Ratio Lower Upper

117 100

119 91.1 77.4 116.2

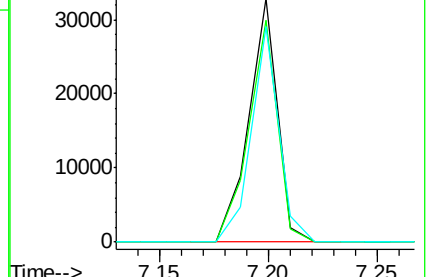
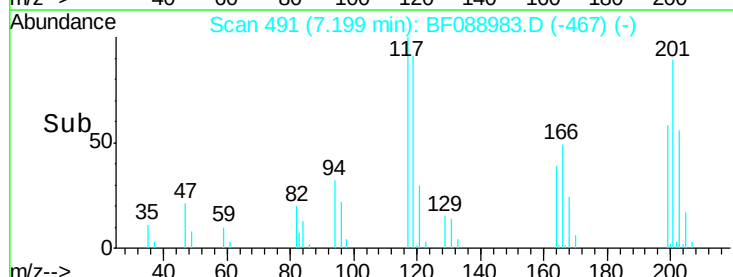
201 88.6 80.4 120.6

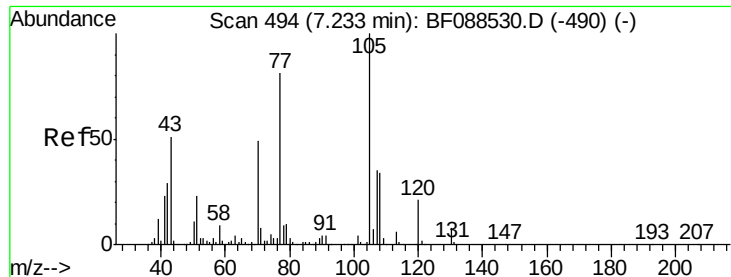


Abundance Ion 117.00 (116.70 to 117.70): E

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: 13.66 ng

RT: 7.11 min Scan# 483

Delta R.T. -0.03 min

Lab File: BF088983.D

Acq: 14 Jul 2016 13:23

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2016-02

Tgt Ion: 70 Resp: 56628

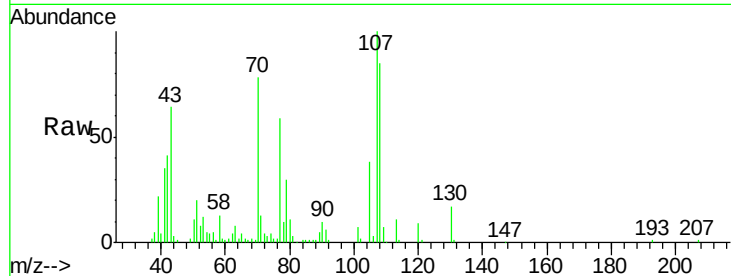
Ion Ratio Lower Upper

70 100

42 51.7 49.6 74.4

101 9.5 7.1 10.7

130 21.2 15.4 23.2



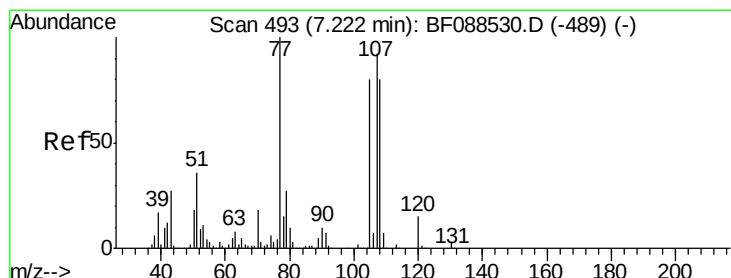
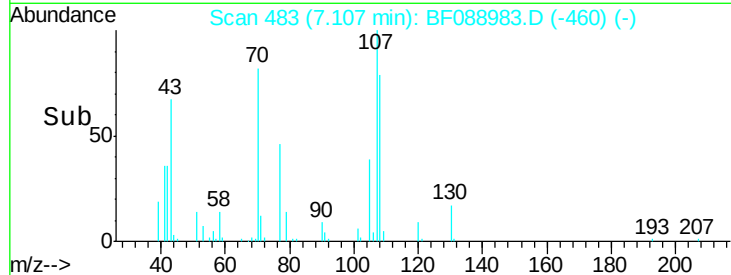
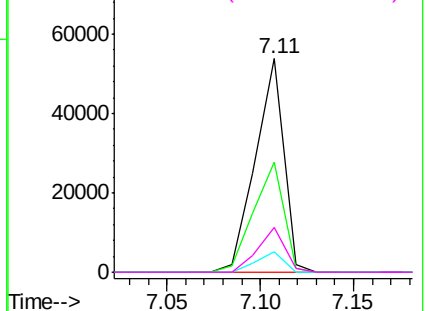
Abundance

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: 15.73 ng

RT: 7.11 min Scan# 483

Delta R.T. -0.02 min

Lab File: BF088983.D

Acq: 14 Jul 2016 13:23

Tgt Ion: 107 Resp: 79036

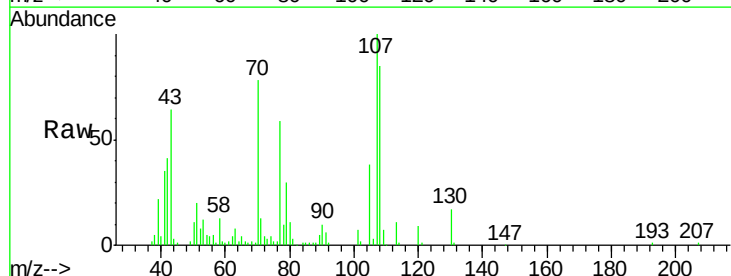
Ion Ratio Lower Upper

107 100

108 84.8 67.8 107.8

77 59.1 59.3 99.3#

79 30.2 7.0 47.0



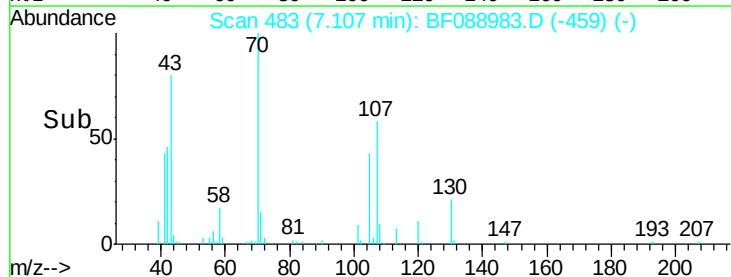
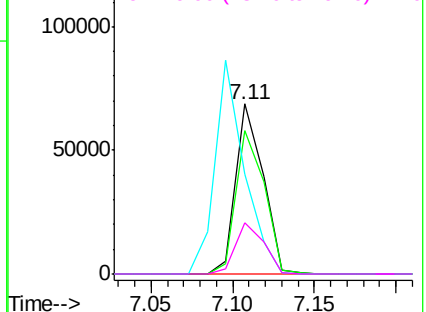
Abundance

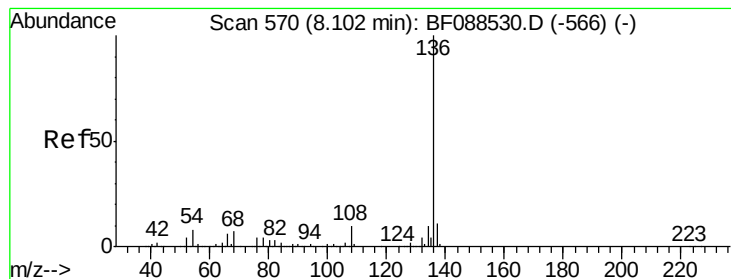
Ion 107.00 (106.70 to 107.70): E

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: 7.98 min Scan# 559

Delta R.T. -0.02 min

Lab File: BF088983.D

Acq: 14 Jul 2016 13:23

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2016-02

Tgt Ion:136 Resp: 299860

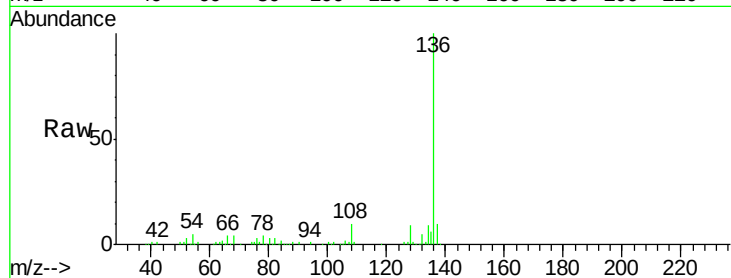
Ion Ratio Lower Upper

136 100

137 10.5 9.1 13.7

54 5.2 6.6 10.0#

68 4.1 5.1 7.7#

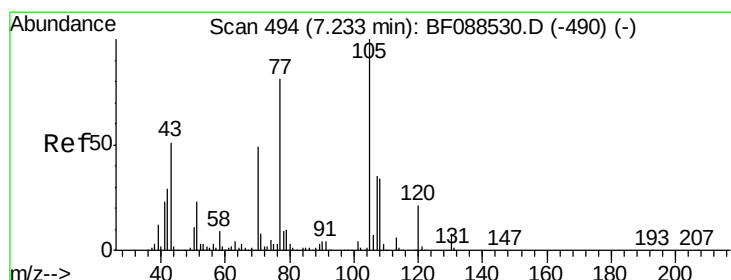
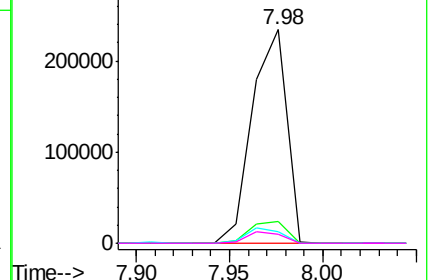
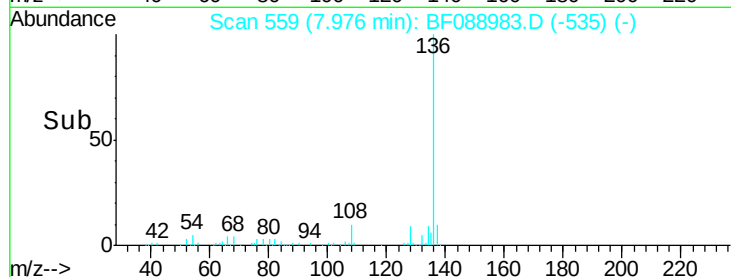


Abundance Ion 136.00 (135.70 to 136.70): E

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: 14.22 ng

RT: 7.10 min Scan# 482

Delta R.T. -0.03 min

Lab File: BF088983.D

Acq: 14 Jul 2016 13:23

Tgt Ion:105 Resp: 103488

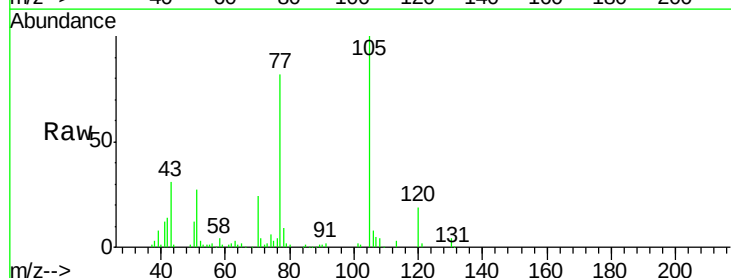
Ion Ratio Lower Upper

105 100

71 4.2 5.3 7.9#

51 26.9 18.2 27.4

120 18.6 18.0 27.0

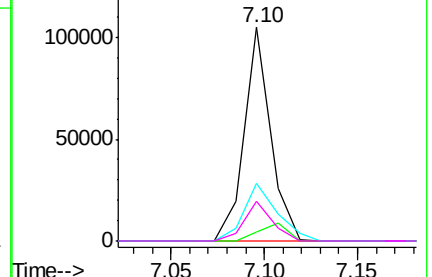
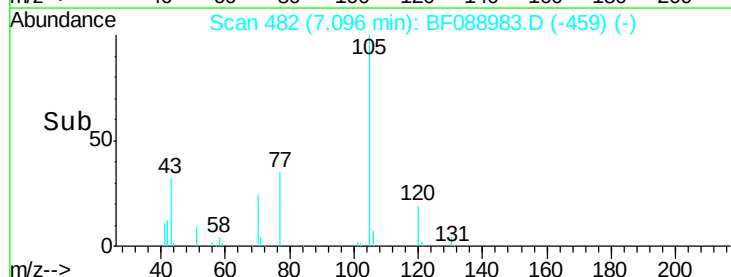


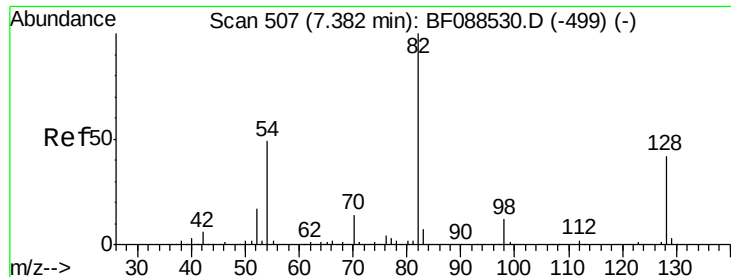
Abundance Ion 105.00 (104.70 to 105.70): E

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

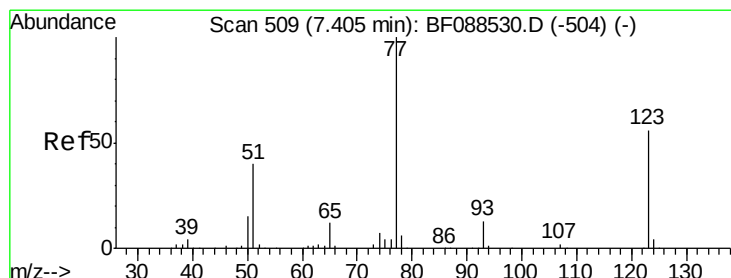
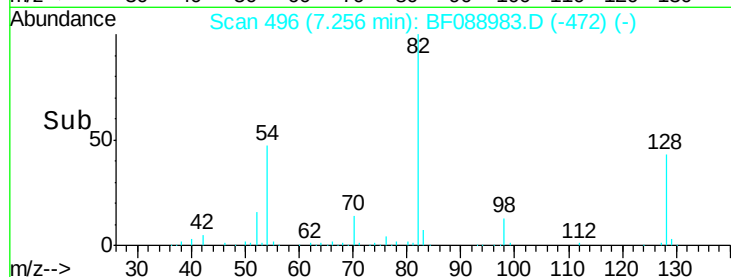
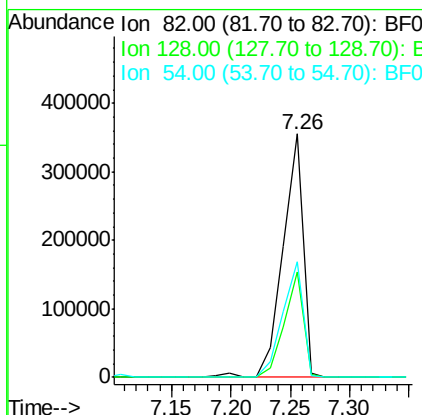
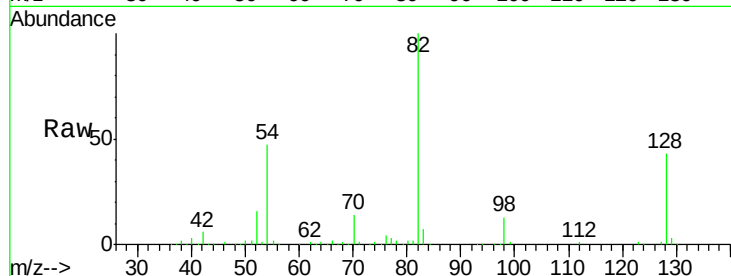




#23
 Nitrobenzene-d5
 Concen: 72.51 ng
 RT: 7.26 min Scan# 496
 Delta R.T. -0.02 min
 Lab File: BF088983.D
 Acq: 14 Jul 2016 13:23

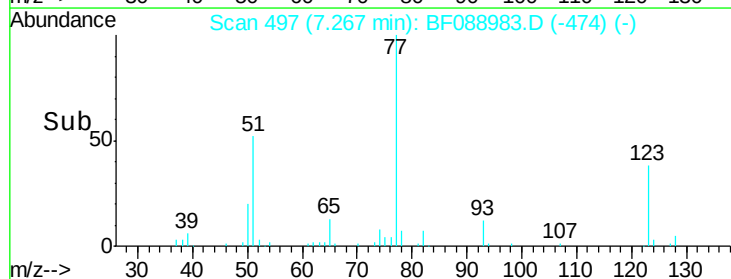
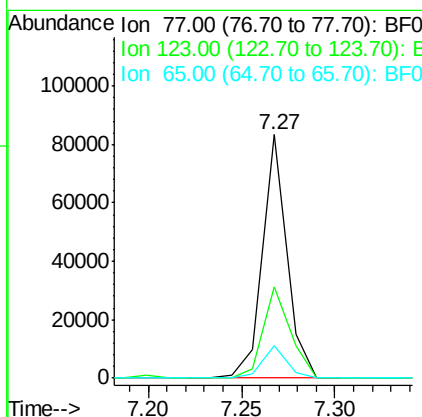
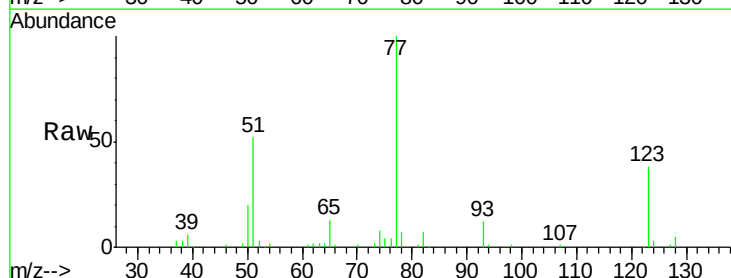
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2016-02

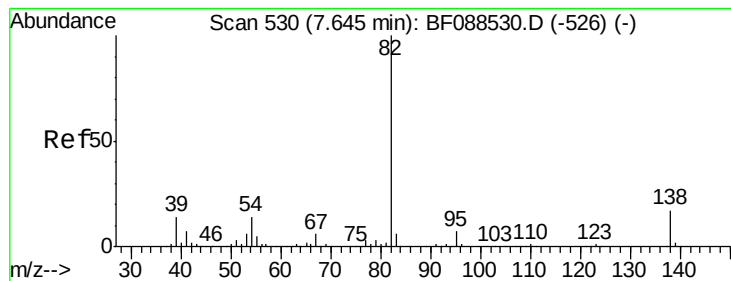
Tgt Ion: 82 Resp: 414882
 Ion Ratio Lower Upper
 82 100
 128 43.1 35.9 53.9
 54 47.4 40.9 61.3



#24
 Nitrobenzene
 Concen: 12.96 ng
 RT: 7.27 min Scan# 497
 Delta R.T. -0.03 min
 Lab File: BF088983.D
 Acq: 14 Jul 2016 13:23

Tgt Ion: 77 Resp: 74780
 Ion Ratio Lower Upper
 77 100
 123 37.7 45.0 67.4#
 65 13.4 10.2 15.2





#25

Isophorone

Concen: 12.91 ng

RT: 7.51 min Scan# 518

Delta R.T. -0.03 min

Lab File: BF088983.D

Acq: 14 Jul 2016 13:23

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2016-02

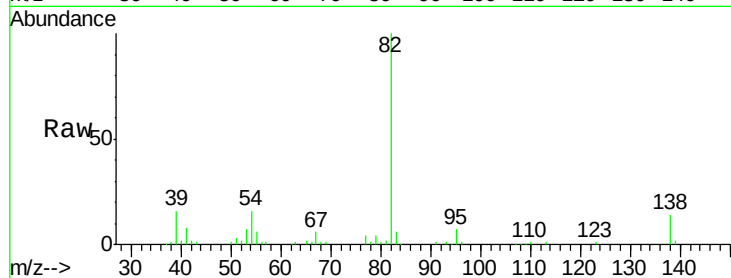
Tgt Ion: 82 Resp: 136815

Ion Ratio Lower Upper

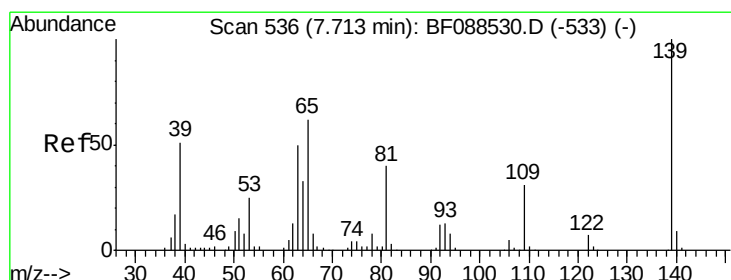
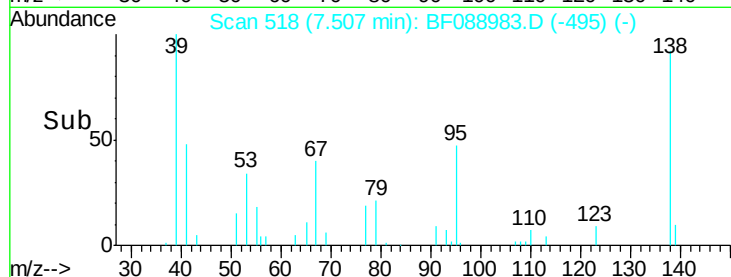
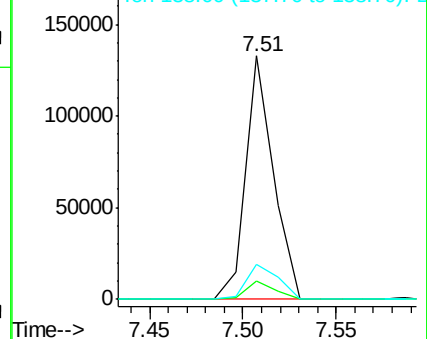
82 100

95 7.3 5.4 8.2

138 14.3 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: 15.68 ng

RT: 7.59 min Scan# 525

Delta R.T. -0.02 min

Lab File: BF088983.D

Acq: 14 Jul 2016 13:23

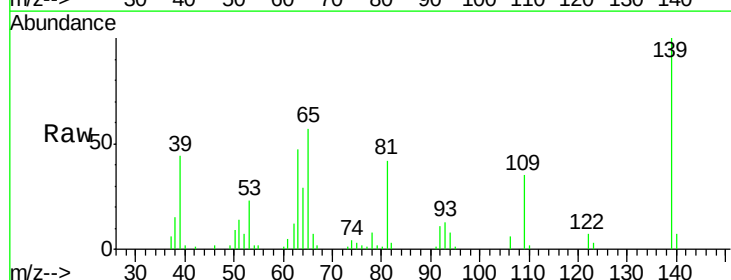
Tgt Ion: 139 Resp: 37097

Ion Ratio Lower Upper

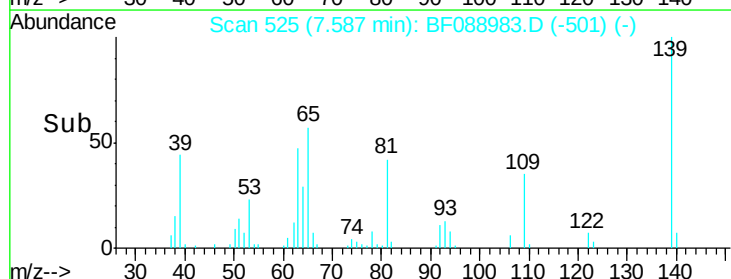
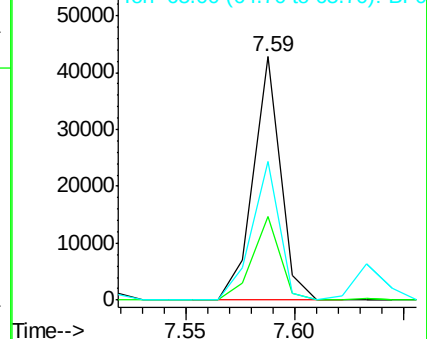
139 100

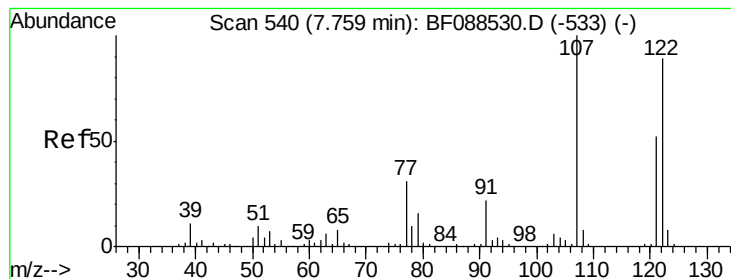
109 34.5 23.0 34.4#

65 56.8 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: 12.11 ng

RT: 7.63 min Scan# 529

Delta R.T. -0.03 min

Lab File: BF088983.D

Acq: 14 Jul 2016 13:23

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2016-02

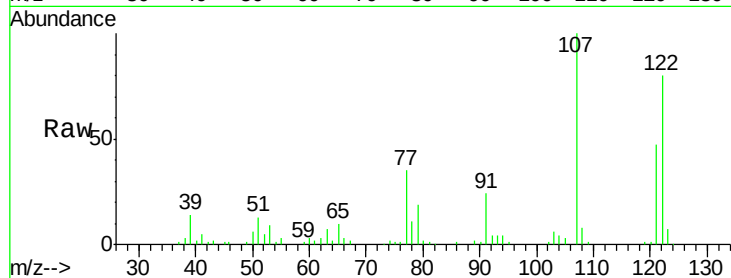
Tgt Ion:122 Resp: 59660

Ion Ratio Lower Upper

122 100

107 124.3 82.4 123.6#

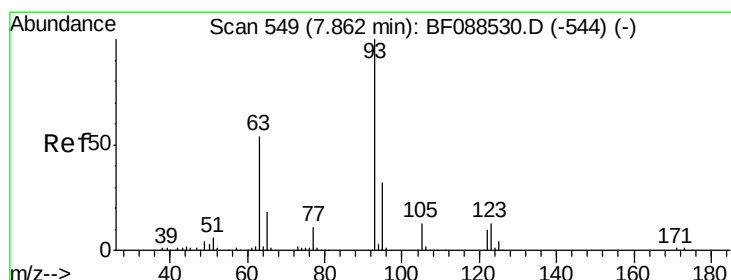
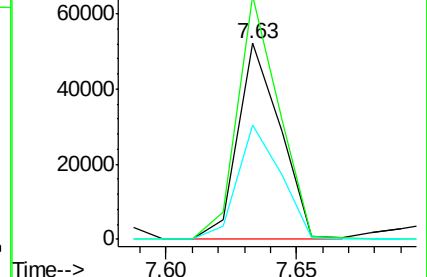
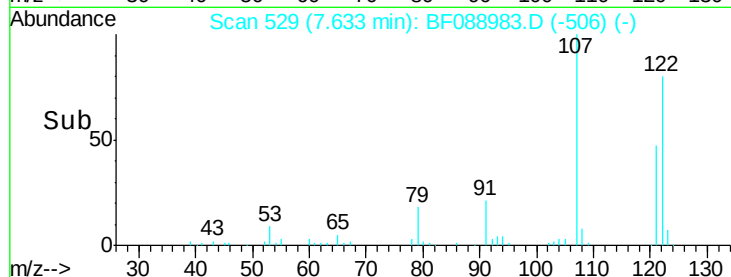
121 58.5 46.3 69.5



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: 12.13 ng

RT: 7.72 min Scan# 537

Delta R.T. -0.03 min

Lab File: BF088983.D

Acq: 14 Jul 2016 13:23

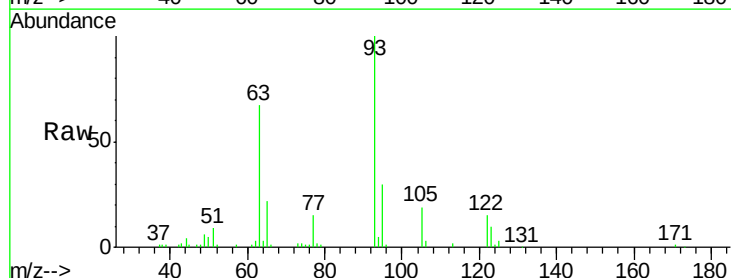
Tgt Ion: 93 Resp: 83664

Ion Ratio Lower Upper

93 100

95 30.3 26.5 39.7

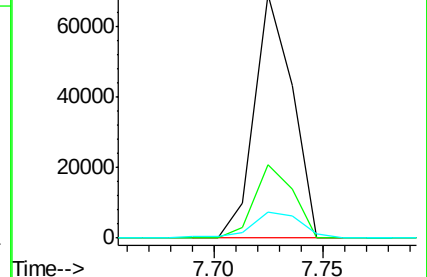
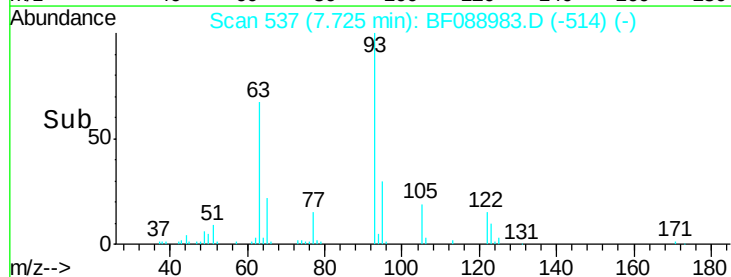
123 10.5 11.6 17.4#

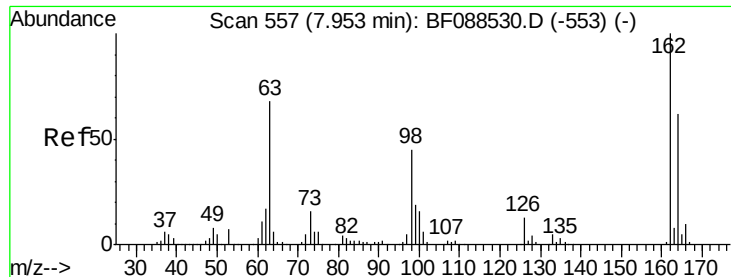


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 123.00 (122.70 to 123.70): E

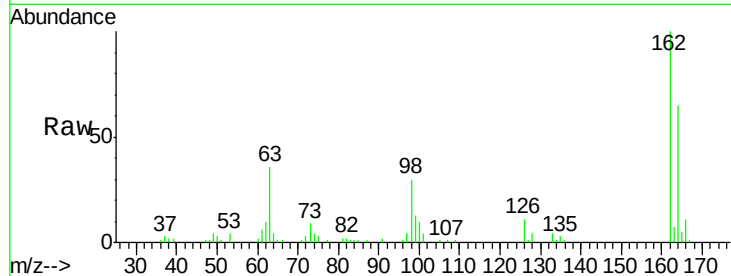




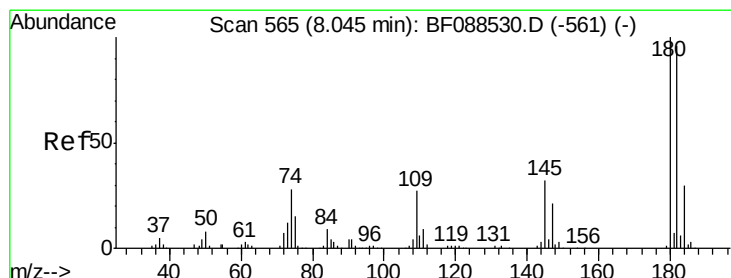
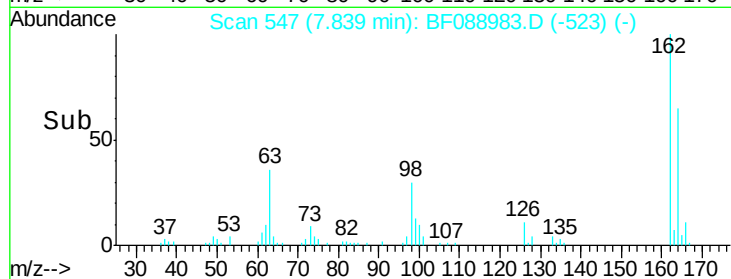
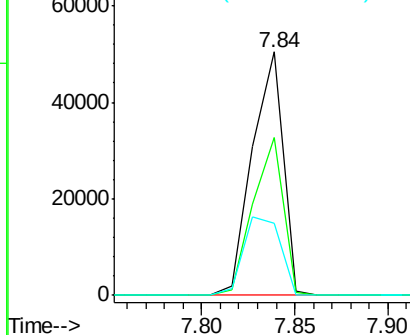
#29
 2,4-Dichlorophenol
 Concen: 14.52 ng
 RT: 7.84 min Scan# 547
 Delta R.T. -0.02 min
 Lab File: BF088983.D
 Acq: 14 Jul 2016 13:23

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2016-02

Tgt Ion:162 Resp: 57828
 Ion Ratio Lower Upper
 162 100
 164 64.6 43.8 83.8
 98 29.7 21.3 61.3

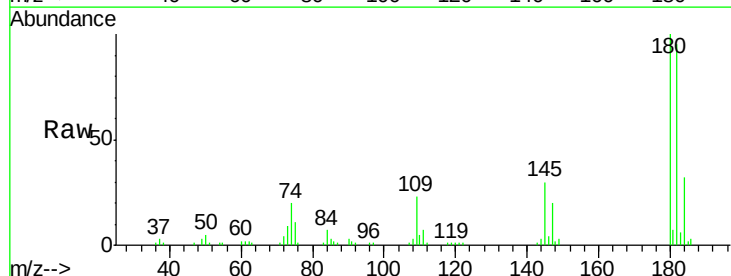


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF0

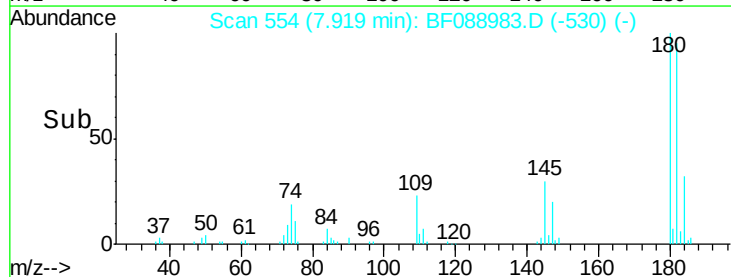
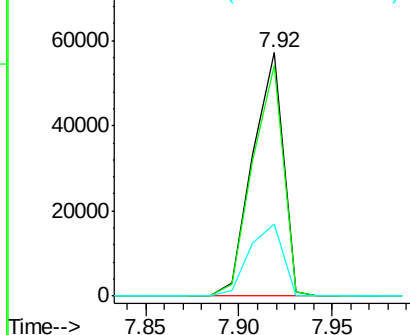


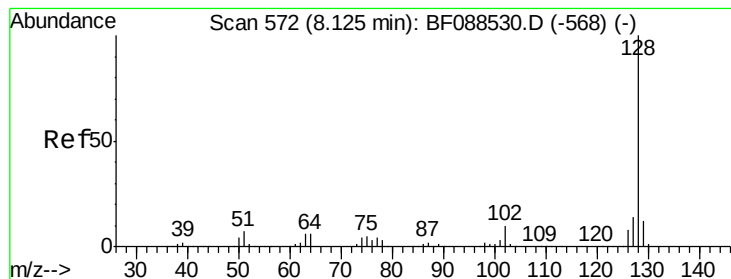
#30
 1,2,4-Trichlorobenzene
 Concen: 14.83 ng
 RT: 7.92 min Scan# 554
 Delta R.T. -0.02 min
 Lab File: BF088983.D
 Acq: 14 Jul 2016 13:23

Tgt Ion:180 Resp: 64810
 Ion Ratio Lower Upper
 180 100
 182 94.9 76.0 114.0
 145 29.8 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: 13.51 ng

RT: 7.99 min Scan# 560

Delta R.T. -0.03 min

Lab File: BF088983.D

Acq: 14 Jul 2016 13:23

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2016-02

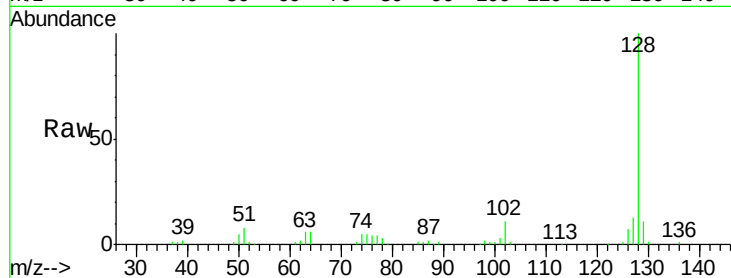
Tgt Ion:128 Resp: 199759

Ion Ratio Lower Upper

128 100

129 11.0 9.4 14.2

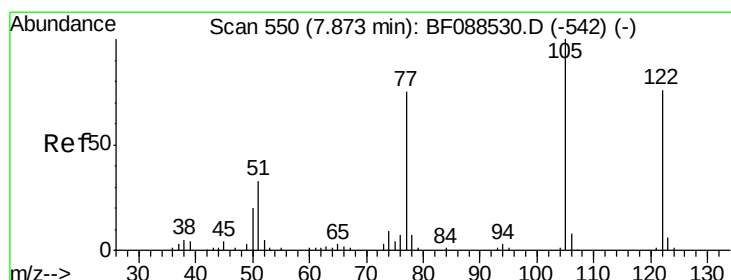
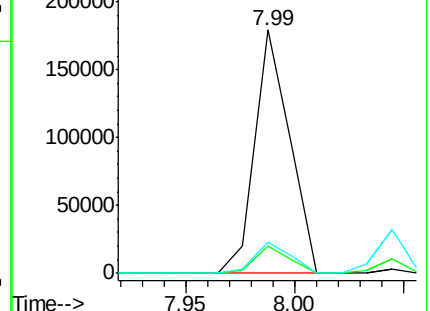
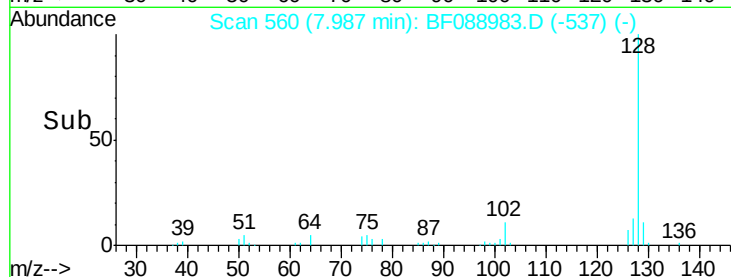
127 13.0 10.9 16.3



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: 10.89 ng

RT: 7.75 min Scan# 539

Delta R.T. -0.06 min

Lab File: BF088983.D

Acq: 14 Jul 2016 13:23

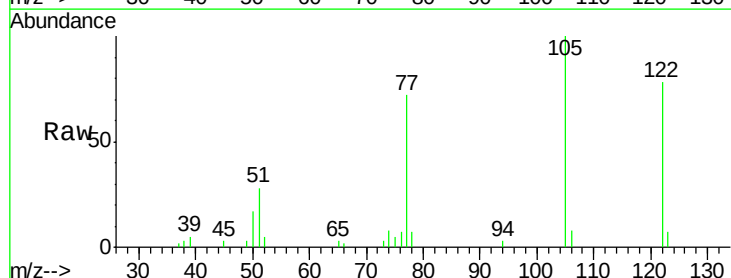
Tgt Ion:122 Resp: 38946

Ion Ratio Lower Upper

122 100

105 127.8 101.6 141.6

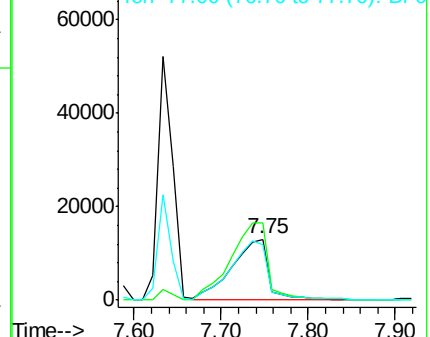
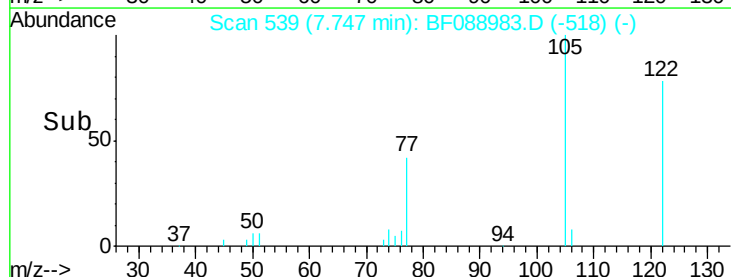
77 91.9 70.6 110.6

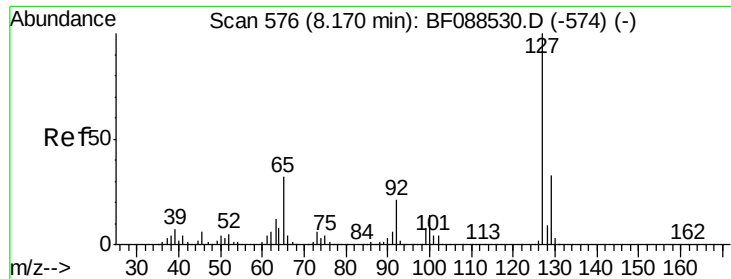


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

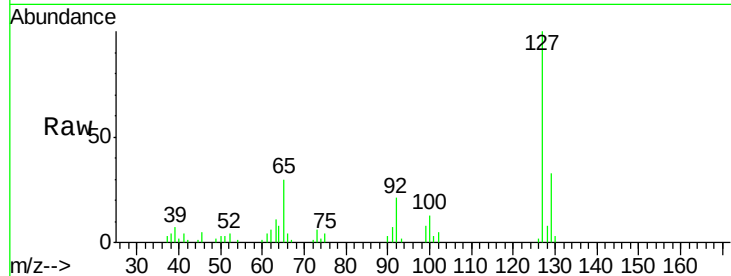




#33
4-Chloroaniline
Concen: 4.70 ng
RT: 8.04 min Scan# 565
Delta R.T. -0.02 min
Lab File: BF088983.D
Acq: 14 Jul 2016 13:23

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2016-02

Tgt Ion:	127	Resp:	30881
Ion	Ratio	Lower	Upper
127	100		
129	33.0	26.3	39.5
65	30.2	24.7	37.1
92	20.8	15.4	23.0

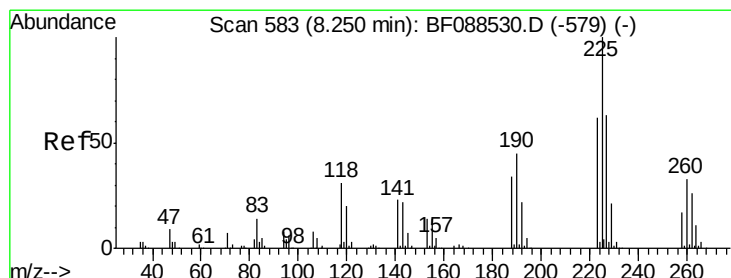
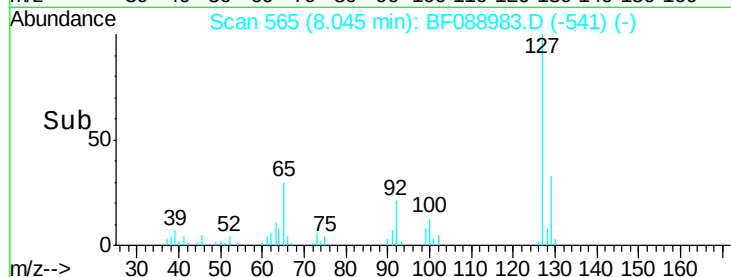
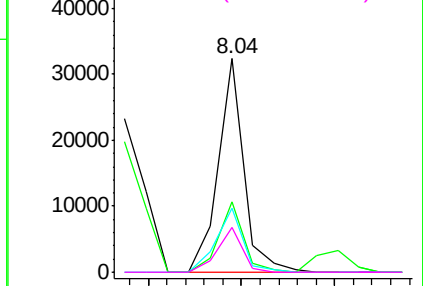


Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

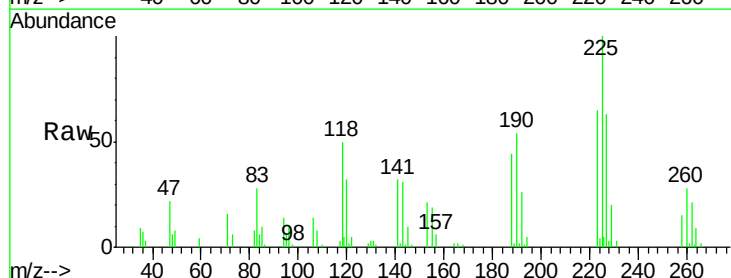
Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0



#34
Hexachlorobutadiene
Concen: 13.33 ng
RT: 8.11 min Scan# 571
Delta R.T. -0.03 min
Lab File: BF088983.D
Acq: 14 Jul 2016 13:23

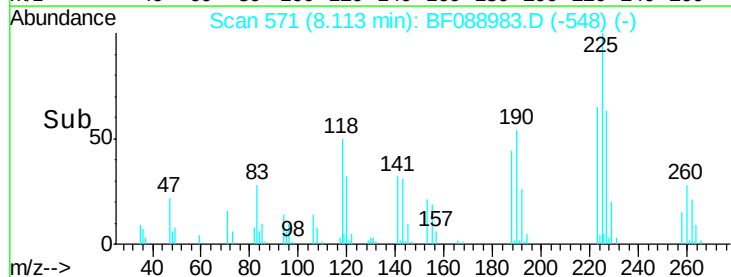
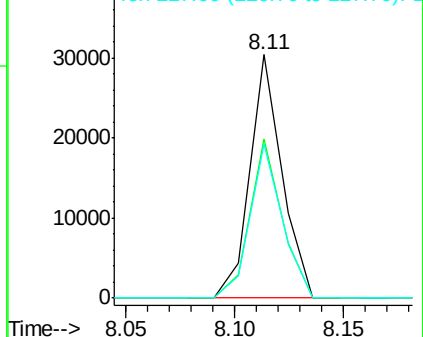
Tgt Ion:	225	Resp:	31203
Ion	Ratio	Lower	Upper
225	100		
223	65.4	50.9	76.3
227	63.0	51.9	77.9

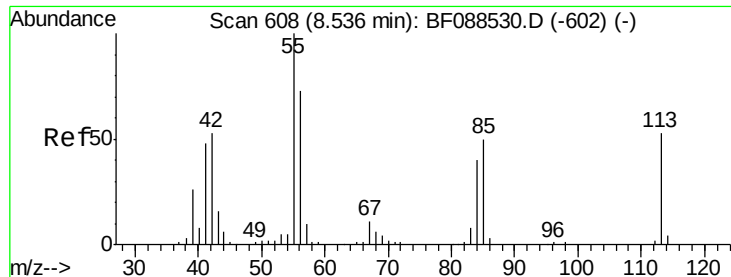


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

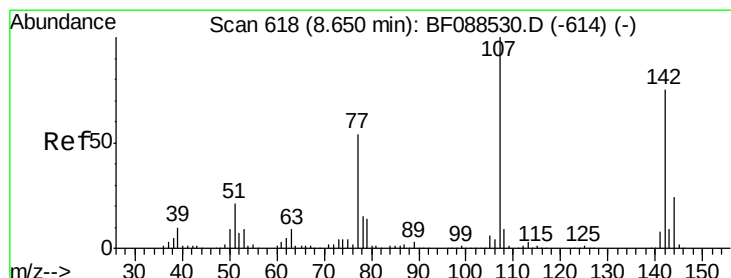
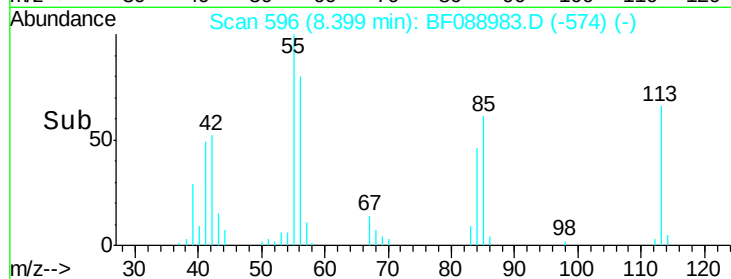
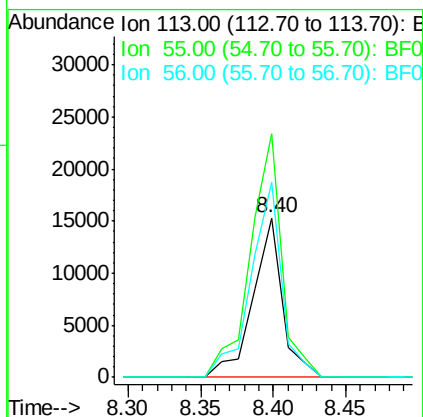
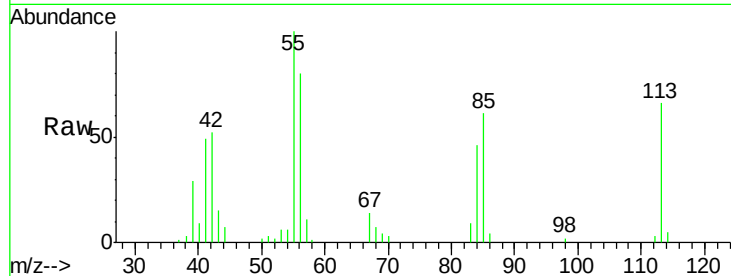




#35
 Caprolactam
 Concen: 15.96 ng
 RT: 8.40 min Scan# 596
 Delta R.T. -0.05 min
 Lab File: BF088983.D
 Acq: 14 Jul 2016 13:23

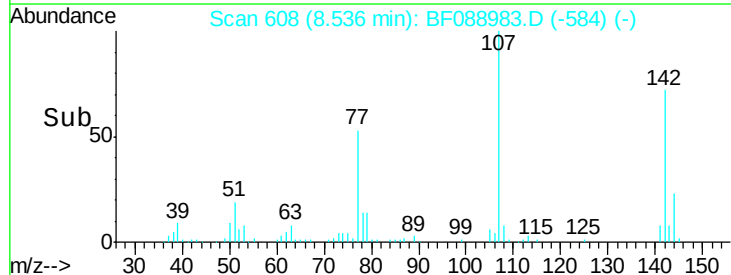
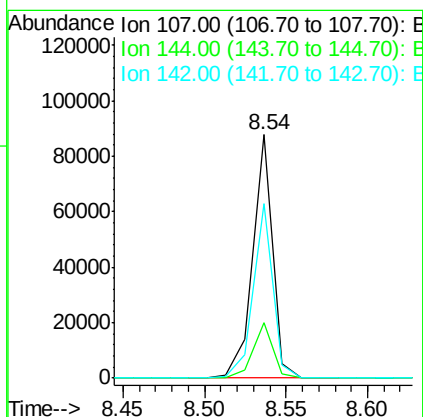
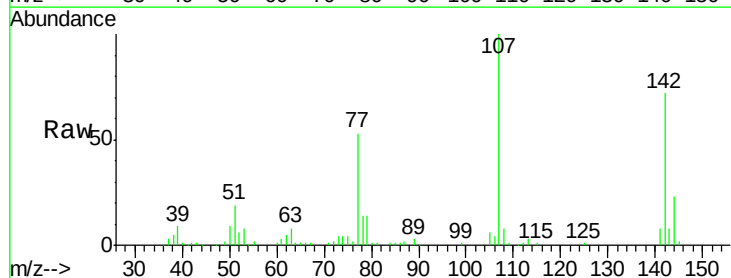
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2016-02

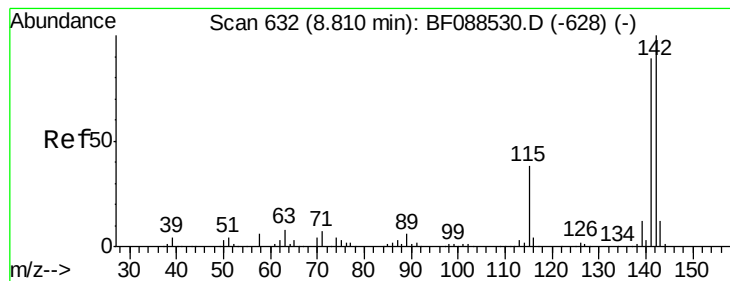
Tgt Ion:113 Resp: 21587
 Ion Ratio Lower Upper
 113 100
 55 152.6 158.6 198.6#
 56 122.0 110.6 150.6



#36
 4-Chloro-3-methylphenol
 Concen: 15.82 ng
 RT: 8.54 min Scan# 608
 Delta R.T. -0.02 min
 Lab File: BF088983.D
 Acq: 14 Jul 2016 13:23

Tgt Ion:107 Resp: 74507
 Ion Ratio Lower Upper
 107 100
 144 22.8 20.8 31.2
 142 71.6 63.4 95.2





#37

2-Methylnaphthalene

Concen: 15.13 ng

RT: 8.68 min Scan# 621

Delta R.T. -0.02 min

Lab File: BF088983.D

Acq: 14 Jul 2016 13:23

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2016-02

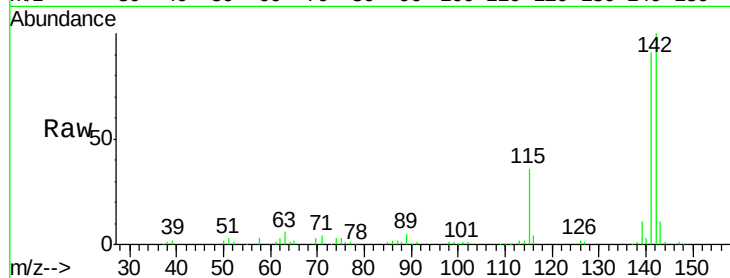
Tgt Ion:142 Resp: 143989

Ion Ratio Lower Upper

142 100

141 91.2 71.0 106.6

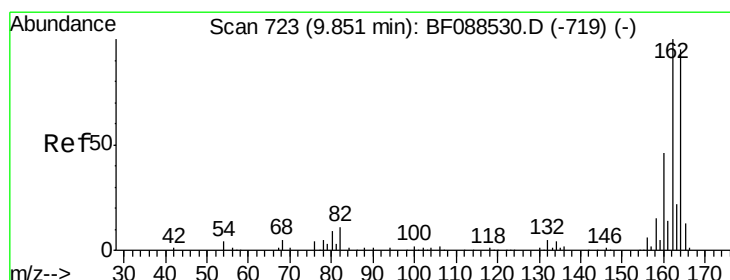
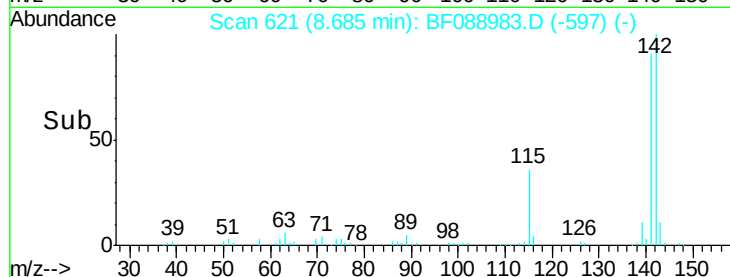
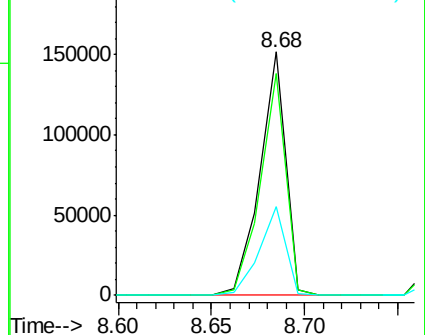
115 36.3 22.6 33.8#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.71 min Scan# 711

Delta R.T. -0.03 min

Lab File: BF088983.D

Acq: 14 Jul 2016 13:23

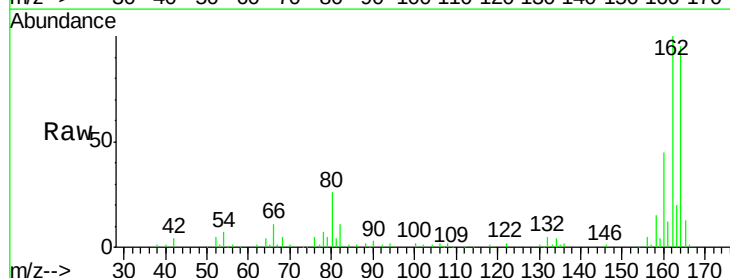
Tgt Ion:164 Resp: 140136

Ion Ratio Lower Upper

164 100

162 105.8 85.4 128.2

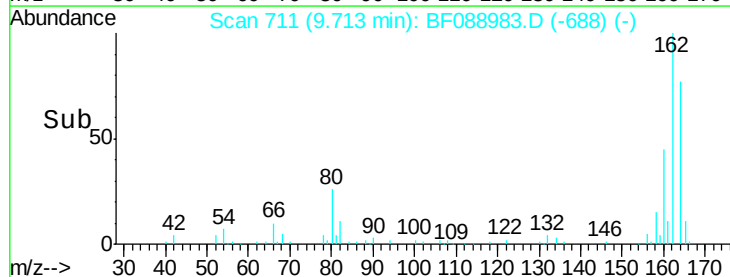
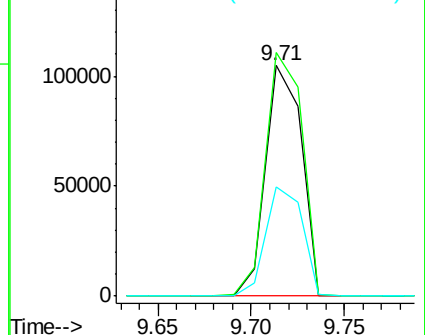
160 47.2 39.5 59.3

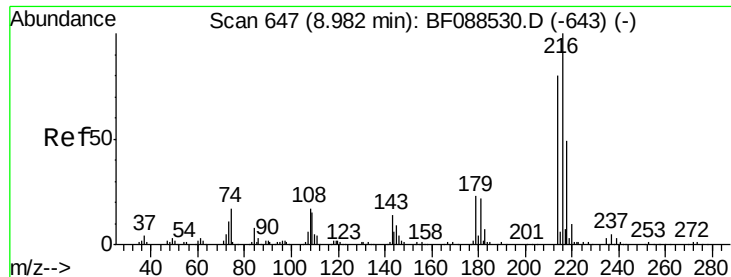


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

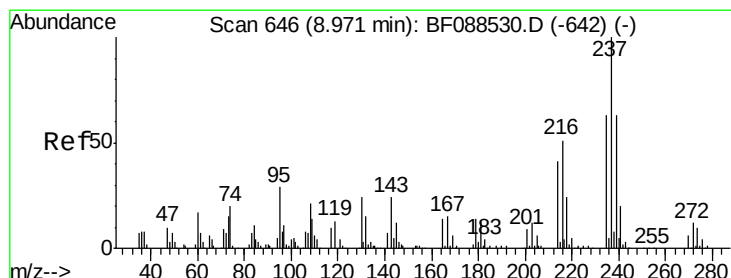
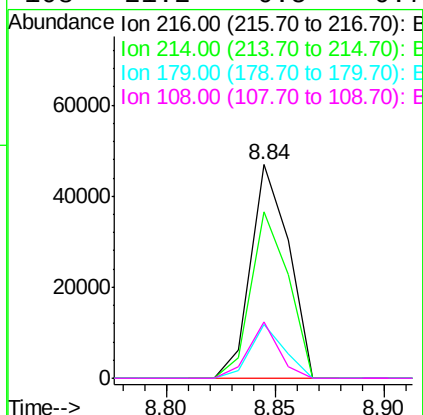
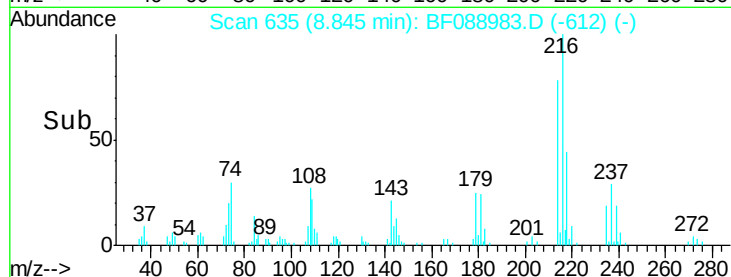
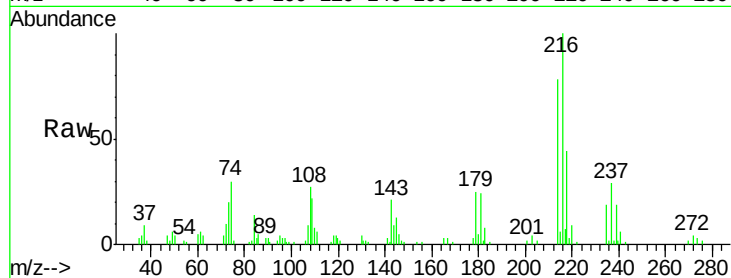




#39
1,2,4,5-Tetrachlorobenzene
Concen: 12.30 ng
RT: 8.84 min Scan# 635
Delta R.T. -0.03 min
Lab File: BF088983.D
Acq: 14 Jul 2016 13:23

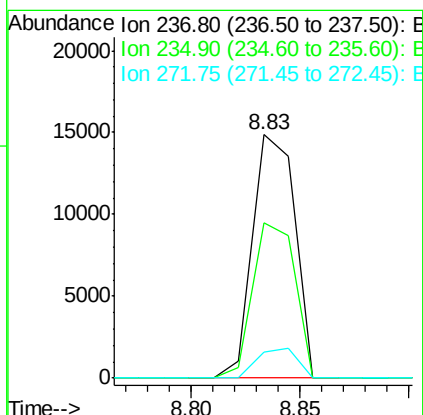
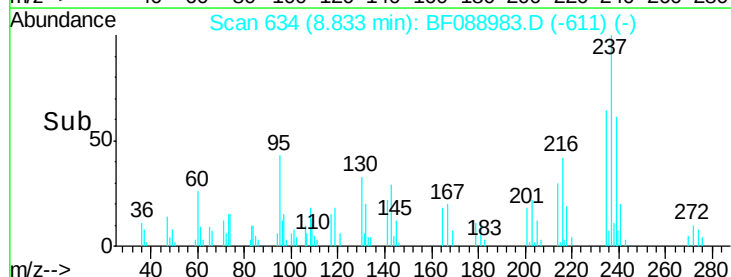
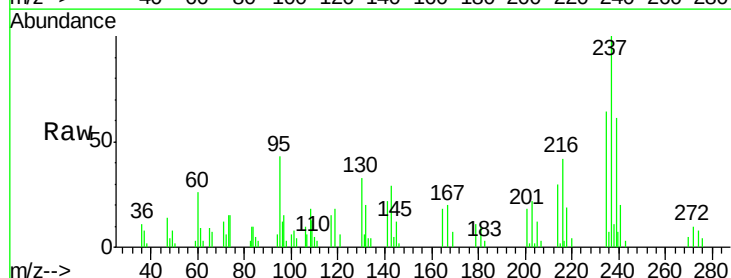
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2016-02

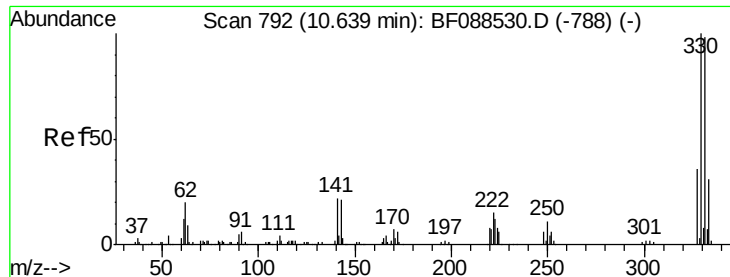
Tgt Ion:	216	Resp:	57336
Ion	Ratio	Lower	Upper
216	100		
214	76.6	2.9	4.3#
179	22.7	0.0	0.0#
108	21.2	0.5	0.7#



#40
Hexachlorocyclopentadiene
Concen: 8.82 ng
RT: 8.83 min Scan# 634
Delta R.T. -0.03 min
Lab File: BF088983.D
Acq: 14 Jul 2016 13:23

Tgt Ion:	237	Resp:	20168
Ion	Ratio	Lower	Upper
237	100		
235	64.0	43.4	83.4
272	10.5	0.0	32.3

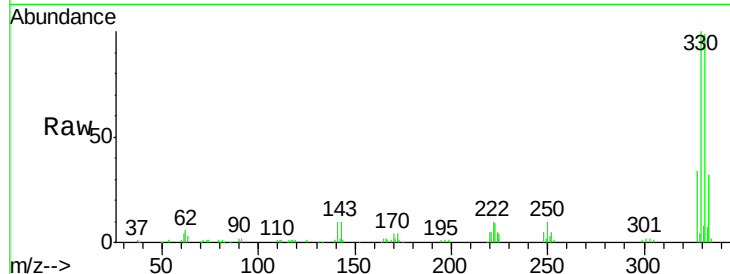




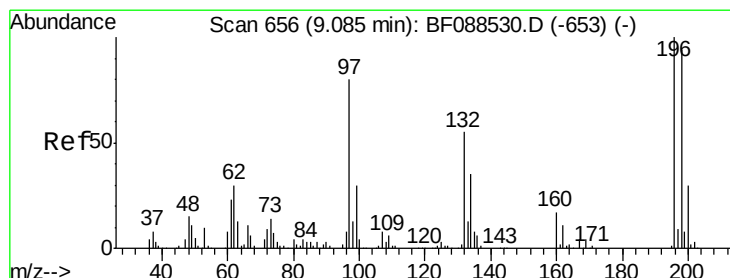
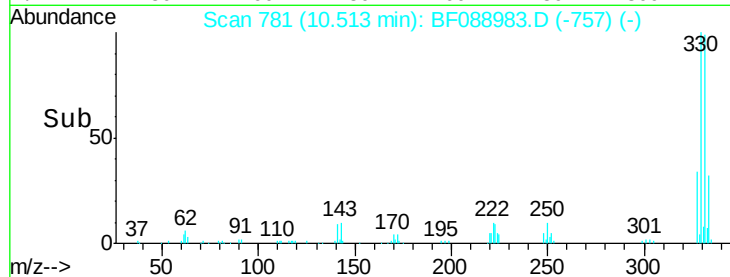
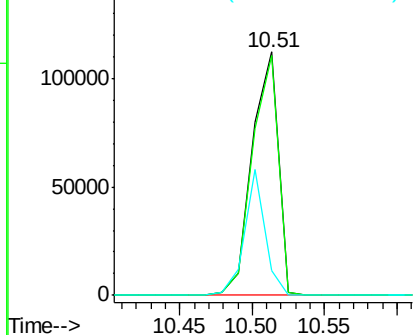
#41
 2,4,6-Tribromophenol
 Concen: 108.21 ng
 RT: 10.51 min Scan# 781
 Delta R.T. -0.02 min
 Lab File: BF088983.D
 Acq: 14 Jul 2016 13:23

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2016-02

Tgt Ion:330 Resp: 140820
 Ion Ratio Lower Upper
 330 100
 332 97.9 0.0 0.0#
 141 40.4 0.0 0.0#

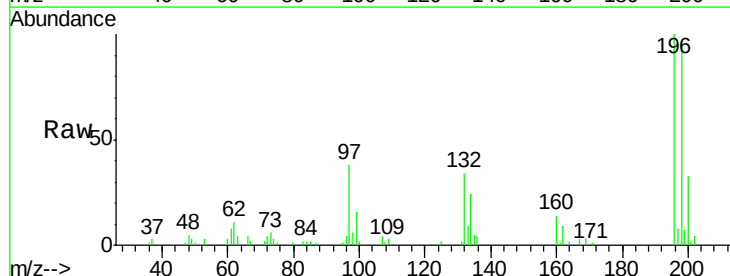


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

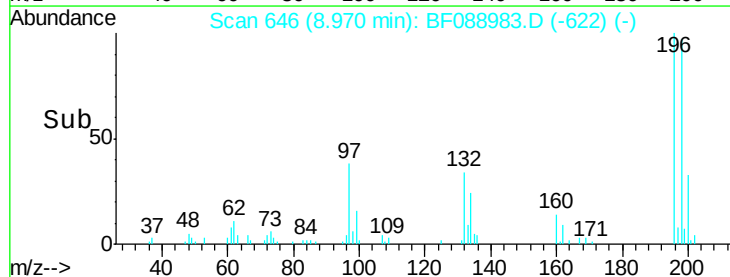
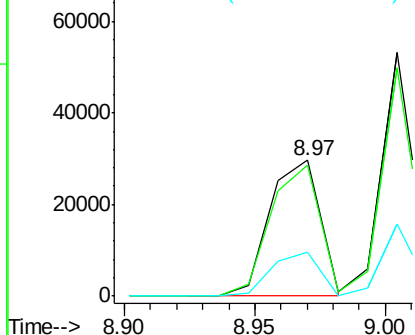


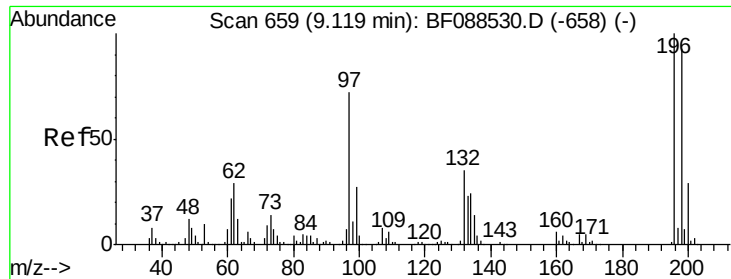
#42
 2,4,6-Trichlorophenol
 Concen: 12.98 ng
 RT: 8.97 min Scan# 646
 Delta R.T. -0.02 min
 Lab File: BF088983.D
 Acq: 14 Jul 2016 13:23

Tgt Ion:196 Resp: 39881
 Ion Ratio Lower Upper
 196 100
 198 96.7 78.0 117.0
 200 32.5 25.4 38.2



Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E

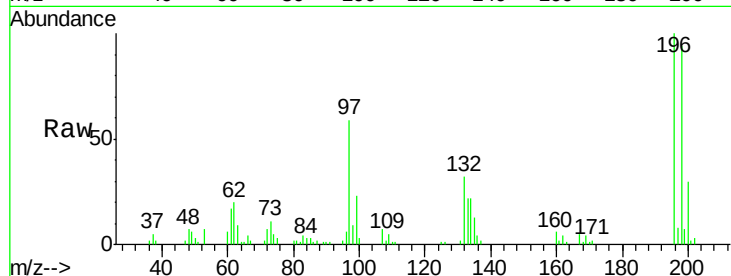




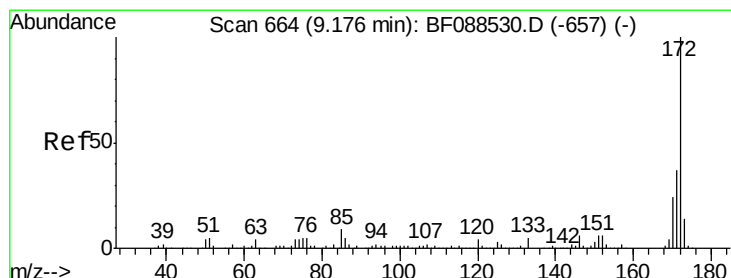
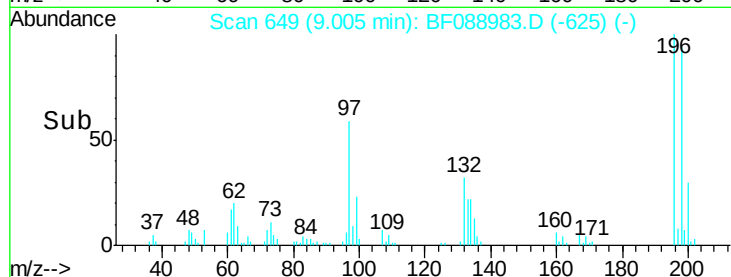
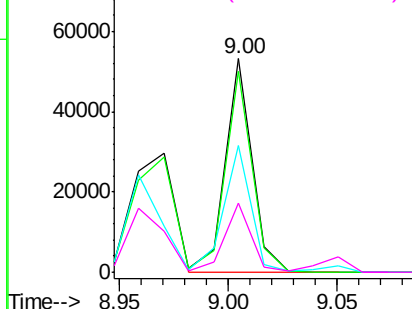
#43
 2,4,5-Trichlorophenol
 Concen: 17.11 ng
 RT: 9.00 min Scan# 649
 Delta R.T. -0.02 min
 Lab File: BF088983.D
 Acq: 14 Jul 2016 13:23

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2016-02

Tgt Ion:196 Resp: 45229
 Ion Ratio Lower Upper
 196 100
 198 93.9 77.5 116.3
 97 59.3 32.0 48.0#
 132 32.3 20.9 31.3#

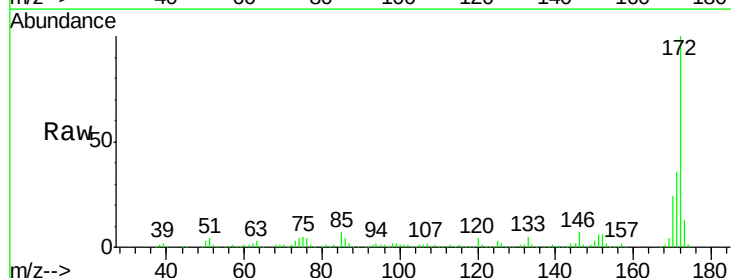


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF0
 Ion 132.00 (131.70 to 132.70): E

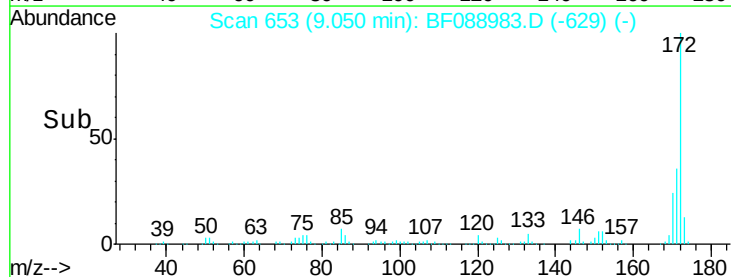
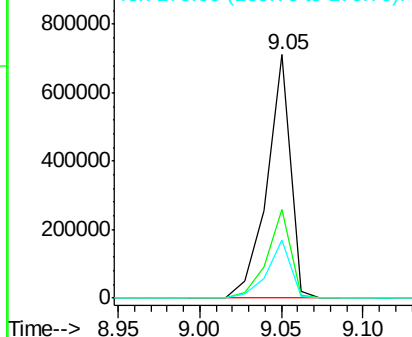


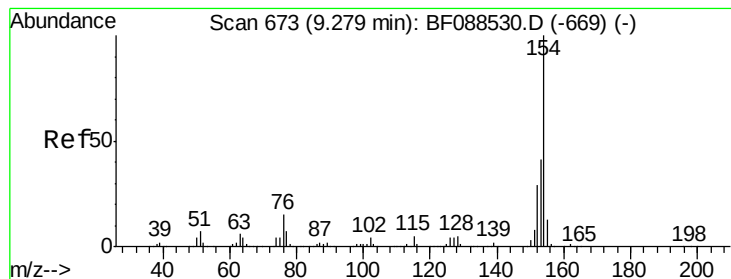
#44
 2-Fluorobiphenyl
 Concen: 80.09 ng
 RT: 9.05 min Scan# 653
 Delta R.T. -0.02 min
 Lab File: BF088983.D
 Acq: 14 Jul 2016 13:23

Tgt Ion:172 Resp: 710576
 Ion Ratio Lower Upper
 172 100
 171 36.5 28.6 43.0
 170 23.9 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: 13.27 ng

RT: 9.14 min Scan# 661

Delta R.T. -0.03 min

Lab File: BF088983.D

Acq: 14 Jul 2016 13:23

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2016-02

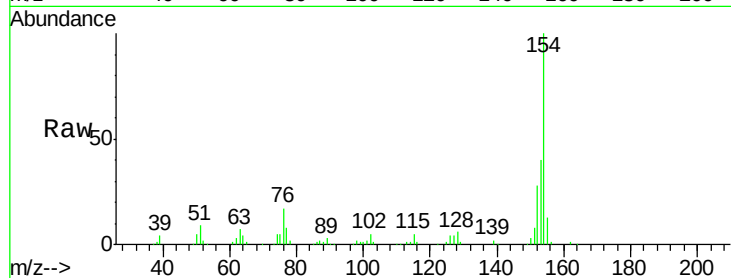
Tgt Ion:154 Resp: 154019

Ion Ratio Lower Upper

154 100

153 40.3 20.6 60.6

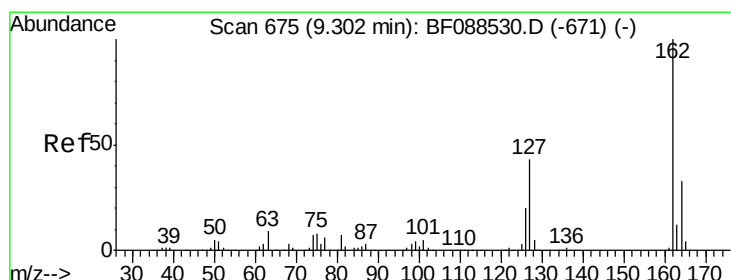
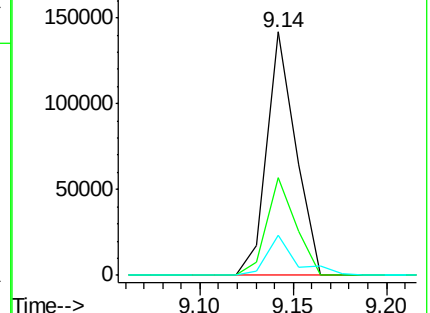
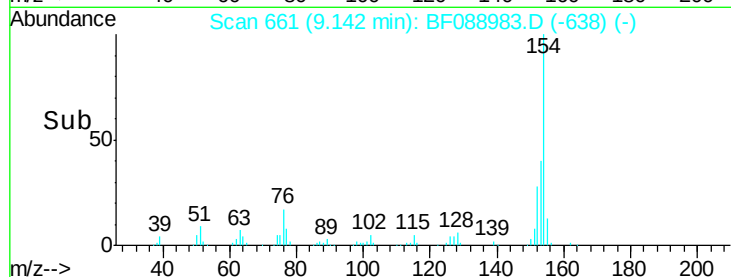
76 16.6 0.0 35.1



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: 13.67 ng

RT: 9.16 min Scan# 663

Delta R.T. -0.03 min

Lab File: BF088983.D

Acq: 14 Jul 2016 13:23

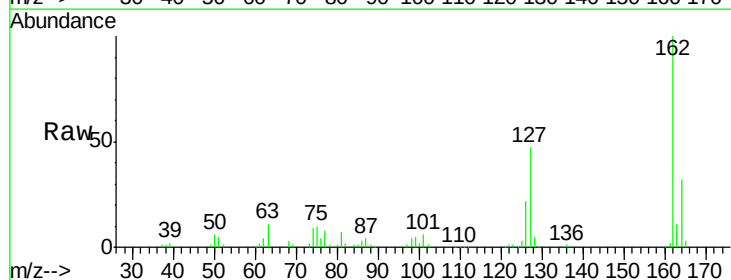
Tgt Ion:162 Resp: 124569

Ion Ratio Lower Upper

162 100

127 47.5 35.2 52.8

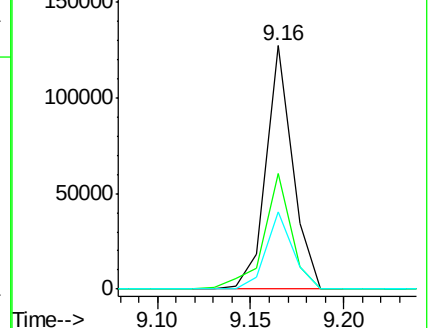
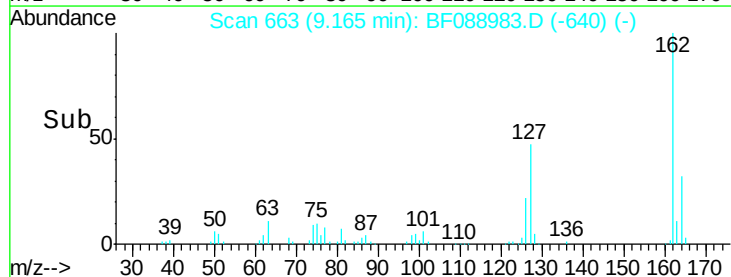
164 31.9 26.6 39.8

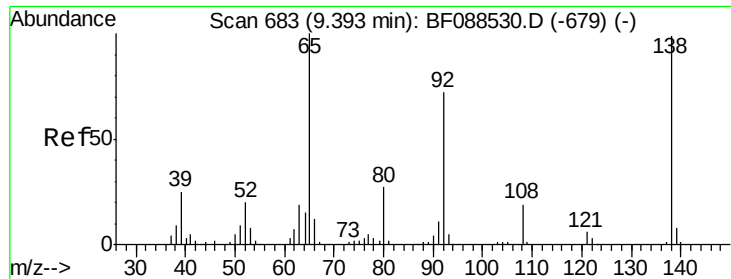


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E

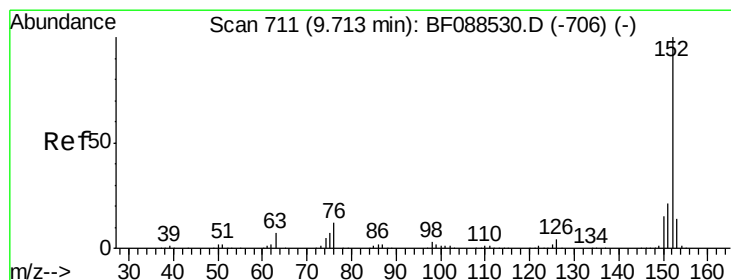
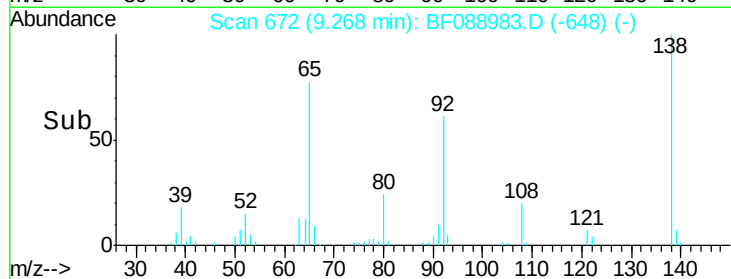
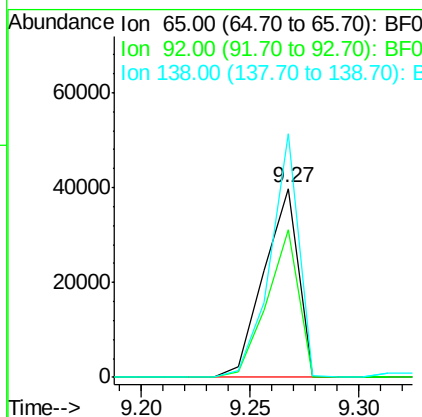
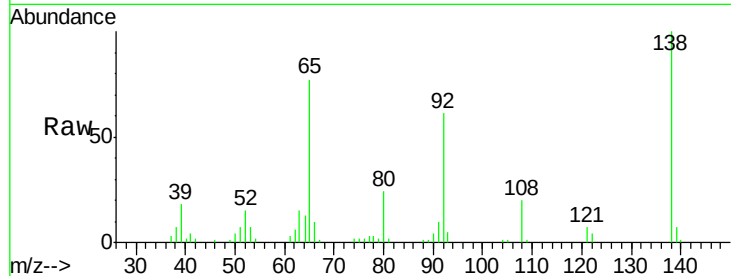




#47
 2-Nitroaniline
 Concen: 13.64 ng
 RT: 9.27 min Scan# 672
 Delta R.T. -0.02 min
 Lab File: BF088983.D
 Acq: 14 Jul 2016 13:23

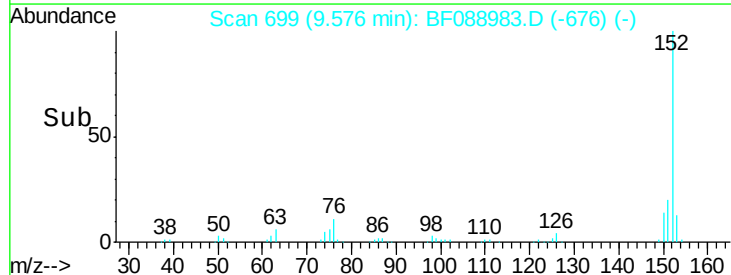
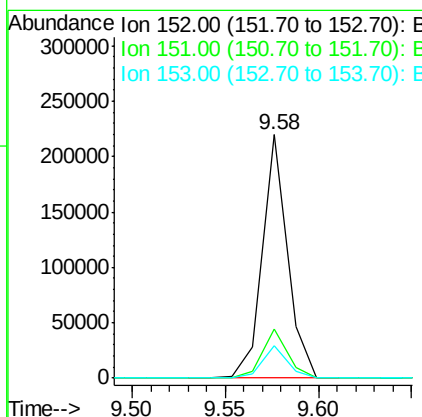
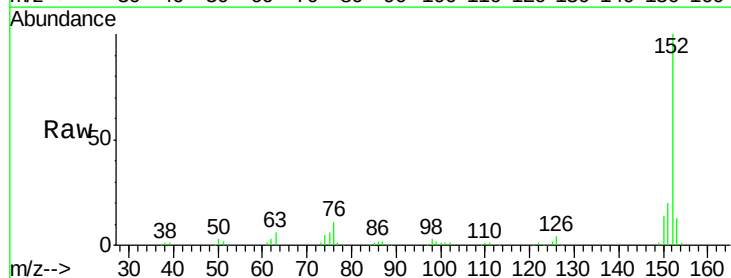
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2016-02

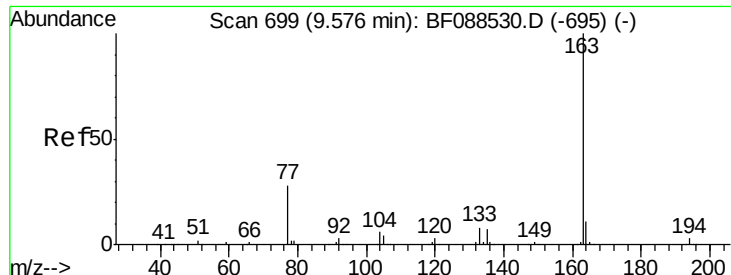
Tgt Ion: 65 Resp: 44087
 Ion Ratio Lower Upper
 65 100
 92 78.5 54.6 82.0
 138 129.1 77.0 115.4#



#48
 Acenaphthylene
 Concen: 14.02 ng
 RT: 9.58 min Scan# 699
 Delta R.T. -0.03 min
 Lab File: BF088983.D
 Acq: 14 Jul 2016 13:23

Tgt Ion: 152 Resp: 203264
 Ion Ratio Lower Upper
 152 100
 151 20.2 16.2 24.4
 153 13.3 11.0 16.6





#49

Dimethylphthalate

Concen: 16.55 ng

RT: 9.45 min Scan# 688

Delta R.T. -0.03 min

Lab File: BF088983.D

Acq: 14 Jul 2016 13:23

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2016-02

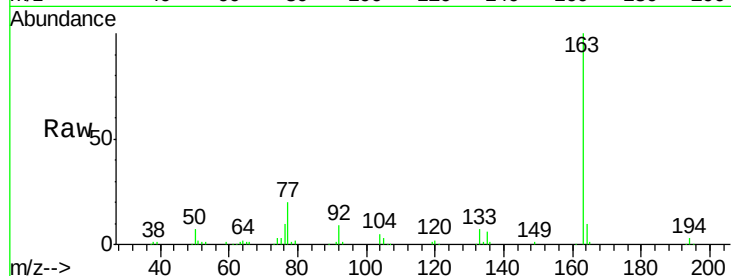
Tgt Ion:163 Resp: 165260

Ion Ratio Lower Upper

163 100

194 3.5 2.8 4.2

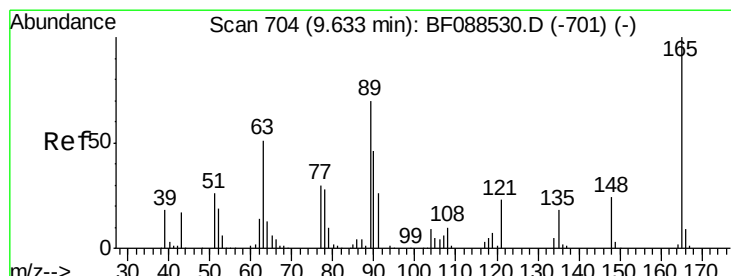
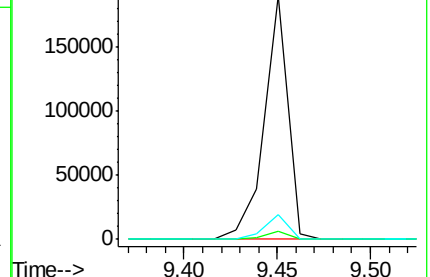
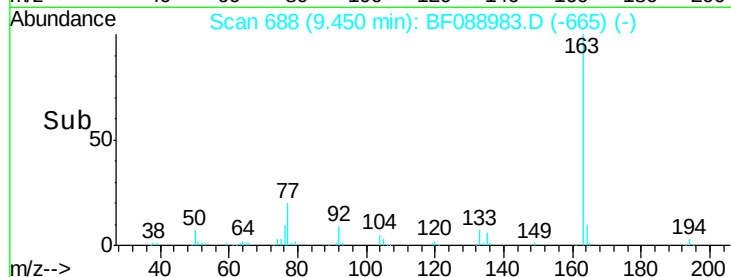
164 10.0 8.3 12.5



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: 15.43 ng

RT: 9.51 min Scan# 693

Delta R.T. -0.03 min

Lab File: BF088983.D

Acq: 14 Jul 2016 13:23

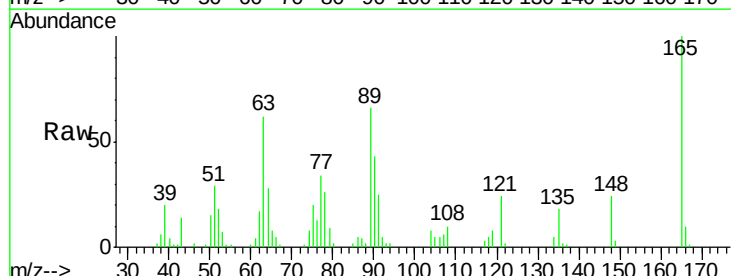
Tgt Ion:165 Resp: 34152

Ion Ratio Lower Upper

165 100

63 62.0 28.1 42.1#

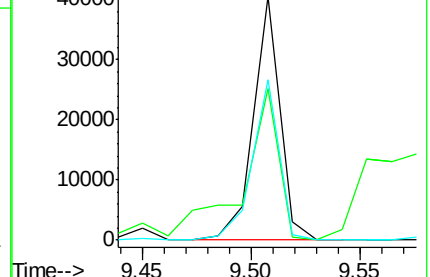
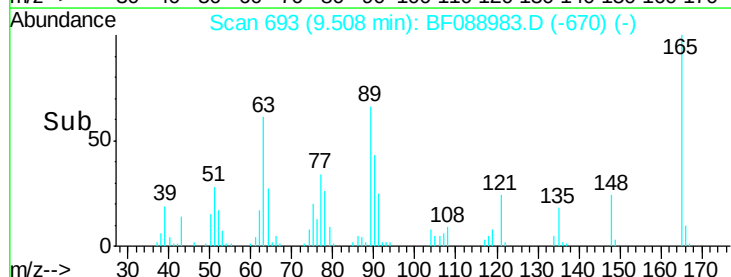
89 66.1 32.2 48.2#

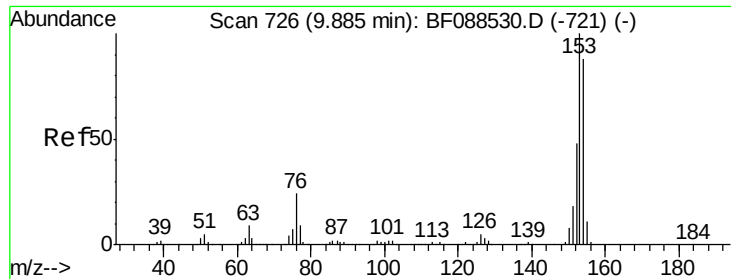


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 14.78 ng

RT: 9.75 min Scan# 714

Delta R.T. -0.03 min

Lab File: BF088983.D

Acq: 14 Jul 2016 13:23

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2016-02

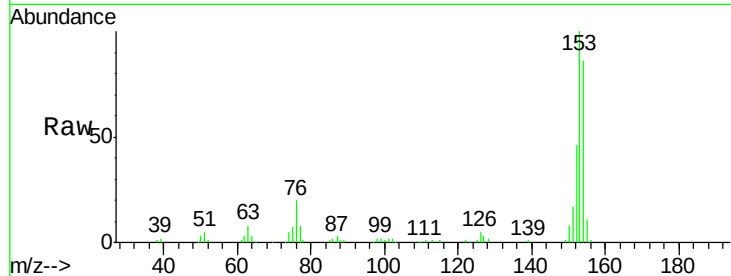
Tgt Ion:154 Resp: 131283

Ion Ratio Lower Upper

154 100

153 117.0 89.5 134.3

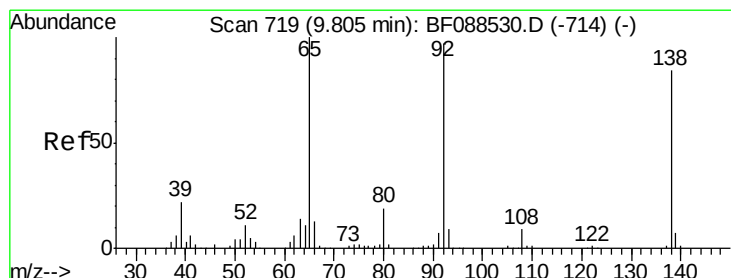
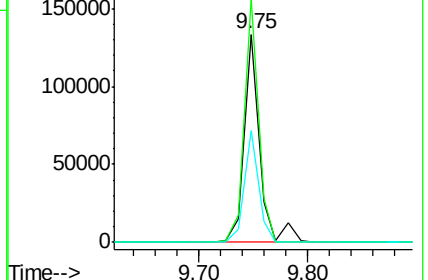
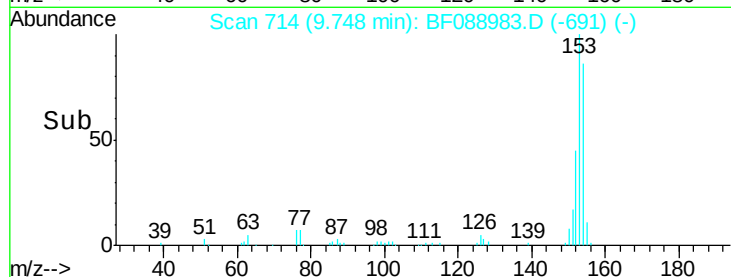
152 53.8 42.7 64.1



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 6.59 ng

RT: 9.67 min Scan# 707

Delta R.T. -0.03 min

Lab File: BF088983.D

Acq: 14 Jul 2016 13:23

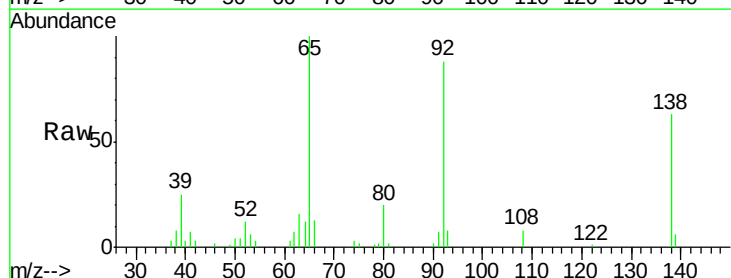
Tgt Ion:138 Resp: 18528

Ion Ratio Lower Upper

138 100

108 12.4 8.5 12.7

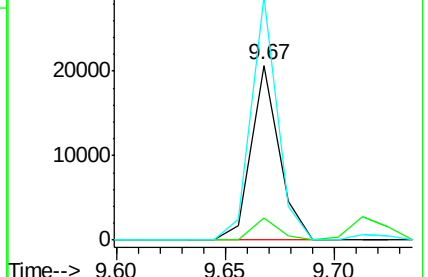
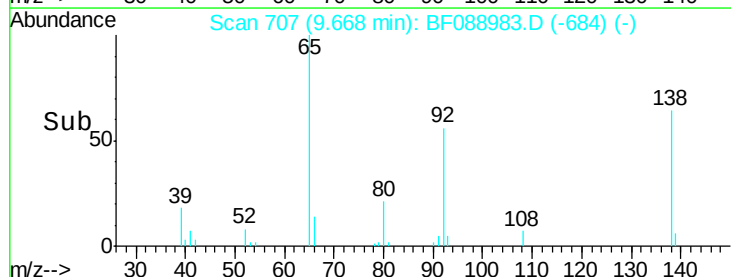
92 139.1 95.7 143.5

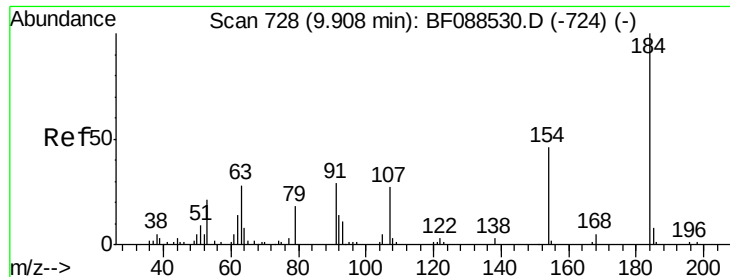


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

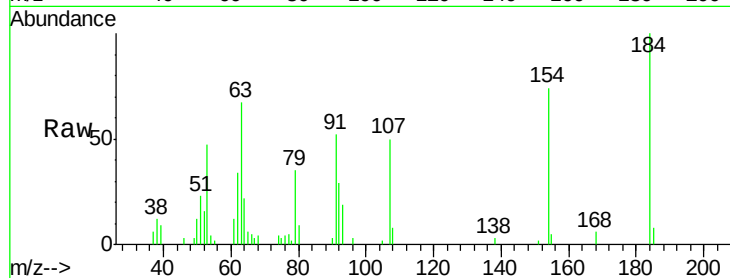




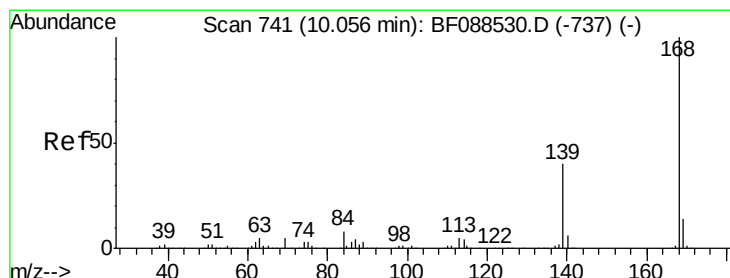
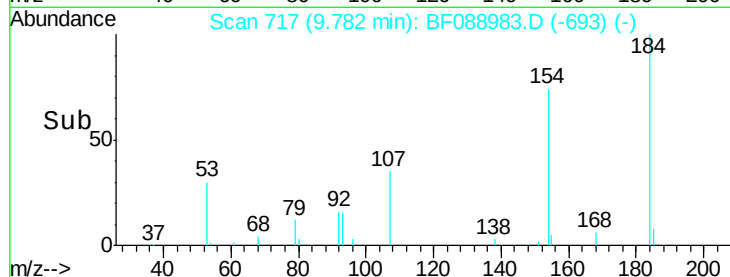
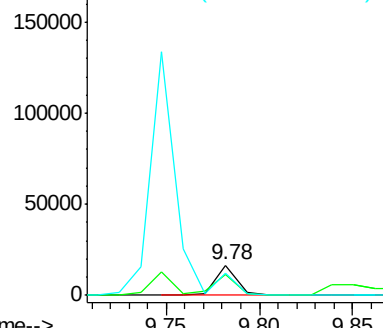
#53
2,4-Dinitrophenol
Concen: 13.96 ng
RT: 9.78 min Scan# 717
Delta R.T. -0.02 min
Lab File: BF088983.D
Acq: 14 Jul 2016 13:23

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2016-02

Tgt Ion:184 Resp: 13640
Ion Ratio Lower Upper
184 100
63 67.2 57.6 86.4
154 73.9 53.5 80.3

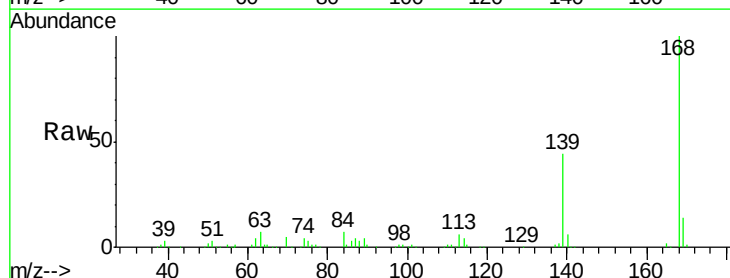


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 154.00 (153.70 to 154.70): E

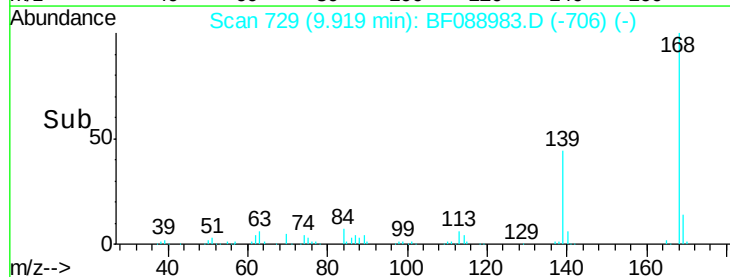
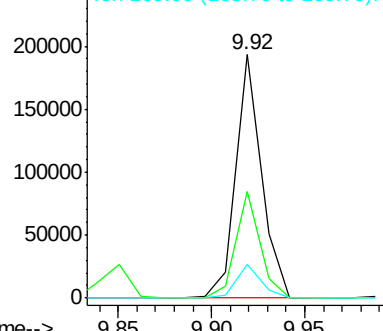


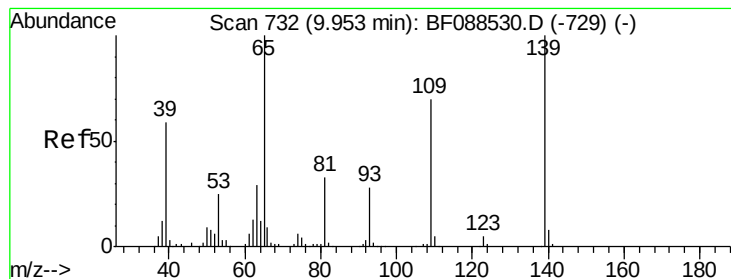
#54
Dibenzofuran
Concen: 15.74 ng
RT: 9.92 min Scan# 729
Delta R.T. -0.03 min
Lab File: BF088983.D
Acq: 14 Jul 2016 13:23

Tgt Ion:168 Resp: 183094
Ion Ratio Lower Upper
168 100
139 43.7 26.4 39.6#
169 13.6 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: 13.11 ng

RT: 9.85 min Scan# 723

Delta R.T. -0.02 min

Lab File: BF088983.D

Acq: 14 Jul 2016 13:23

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2016-02

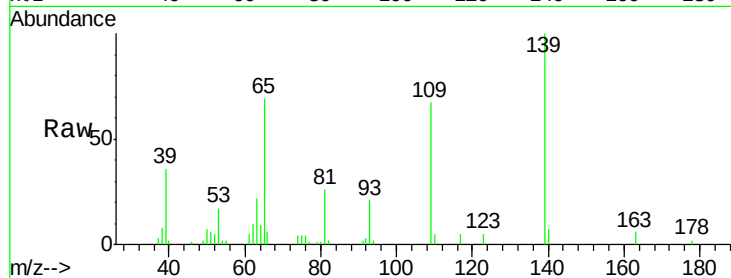
Tgt Ion:139 Resp: 28015

Ion Ratio Lower Upper

139 100

109 66.8 48.9 88.9

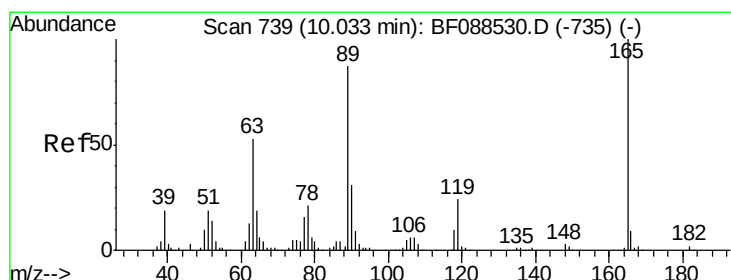
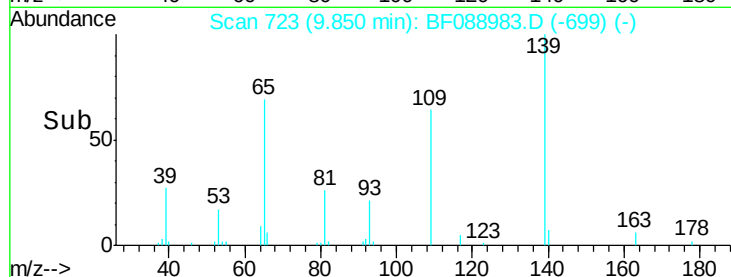
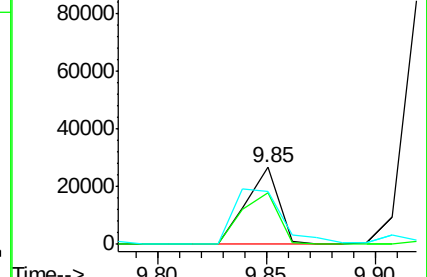
65 68.8 84.9 124.9#



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: 15.92 ng

RT: 9.91 min Scan# 728

Delta R.T. -0.03 min

Lab File: BF088983.D

Acq: 14 Jul 2016 13:23

Tgt Ion:165 Resp: 46061

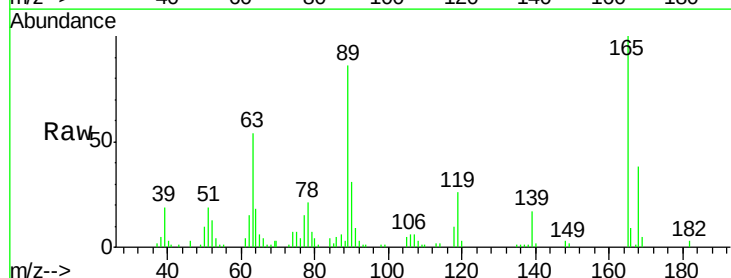
Ion Ratio Lower Upper

165 100

63 54.1 22.0 33.0#

89 86.3 41.1 61.7#

182 2.6 2.0 3.0

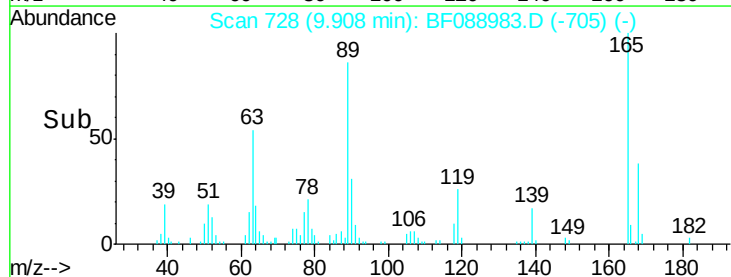
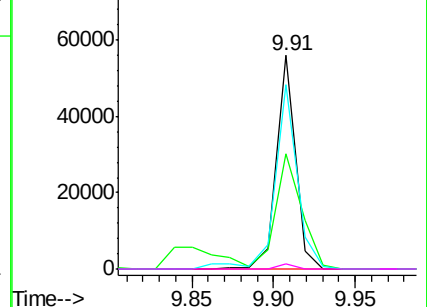


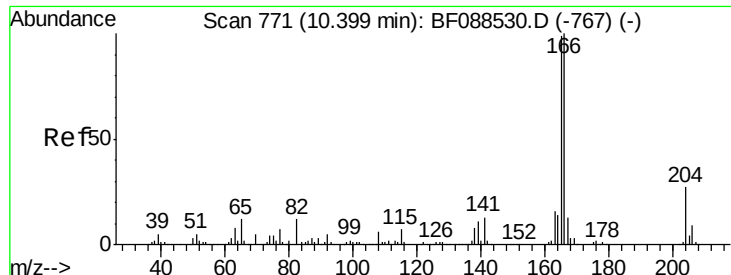
Abundance Ion 165.00 (164.70 to 165.70): E

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

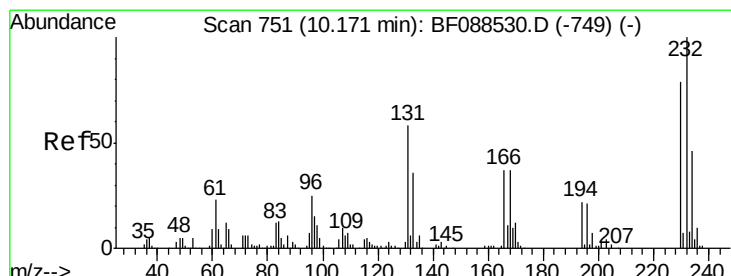
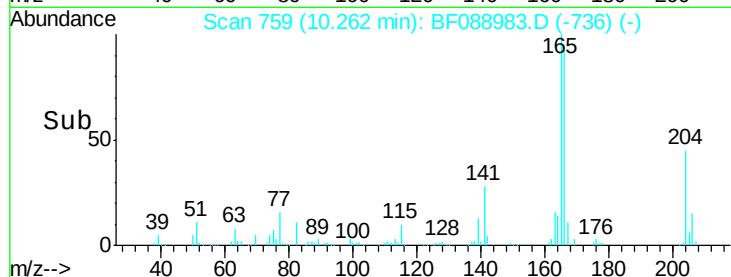
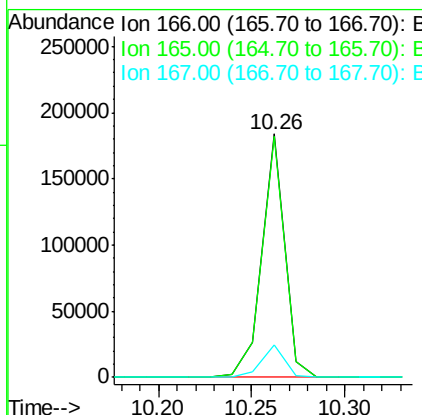
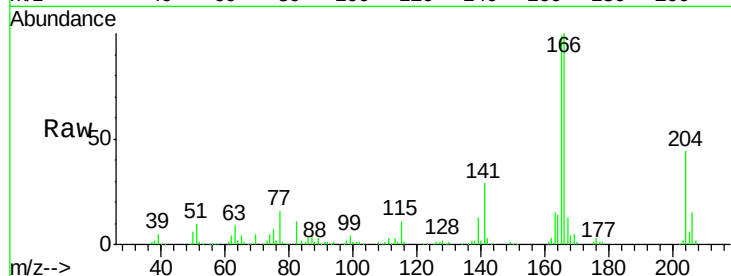




#57
 Fluorene
 Concen: 17.25 ng
 RT: 10.26 min Scan# 759
 Delta R.T. -0.03 min
 Lab File: BF088983.D
 Acq: 14 Jul 2016 13:23

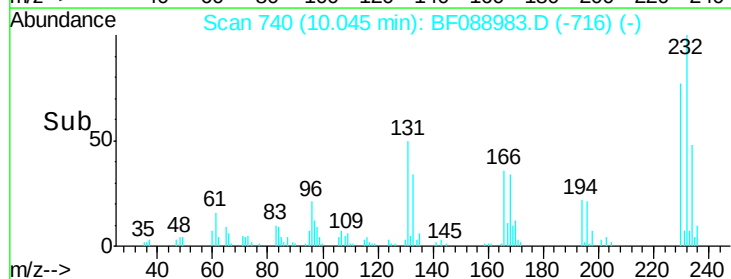
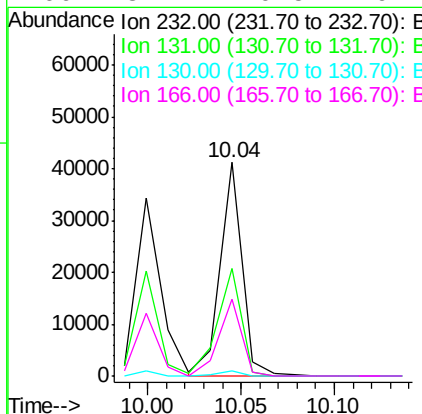
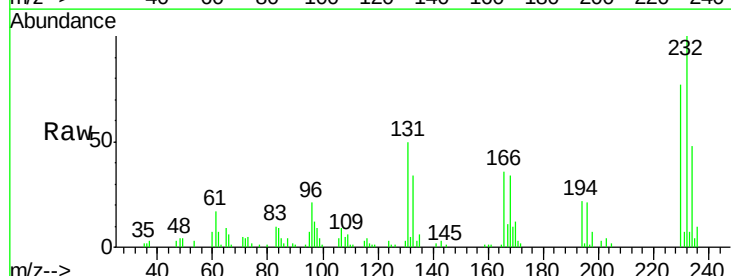
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2016-02

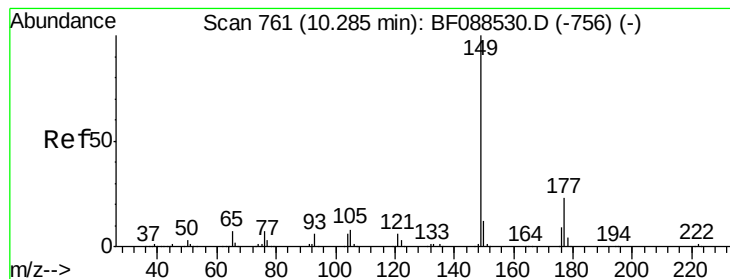
Tgt Ion:166 Resp: 154631
 Ion Ratio Lower Upper
 166 100
 165 99.1 77.8 116.8
 167 13.2 11.2 16.8



#58
 2,3,4,6-Tetrachlorophenol
 Concen: 16.64 ng
 RT: 10.04 min Scan# 740
 Delta R.T. -0.02 min
 Lab File: BF088983.D
 Acq: 14 Jul 2016 13:23

Tgt Ion:232 Resp: 34037
 Ion Ratio Lower Upper
 232 100
 131 54.7 0.9 1.3#
 130 2.9 1.5 2.3#
 166 37.1 0.5 0.7#





#59

Diethylphthalate

Concen: 15.71 ng

RT: 10.15 min Scan# 749

Delta R.T. -0.03 min

Lab File: BF088983.D

Acq: 14 Jul 2016 13:23

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2016-02

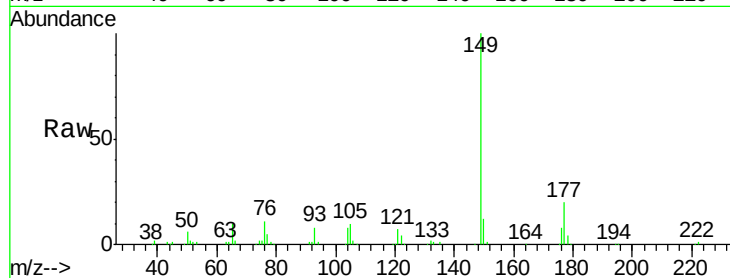
Tgt Ion:149 Resp: 157358

Ion Ratio Lower Upper

149 100

177 20.0 16.9 25.3

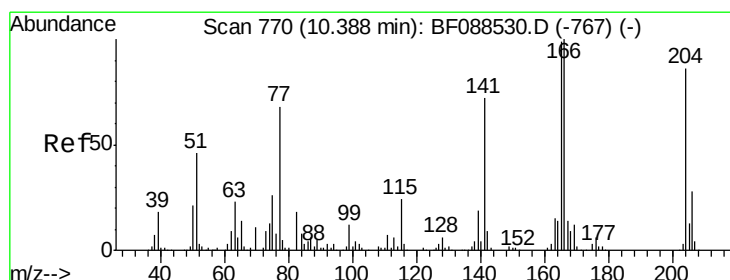
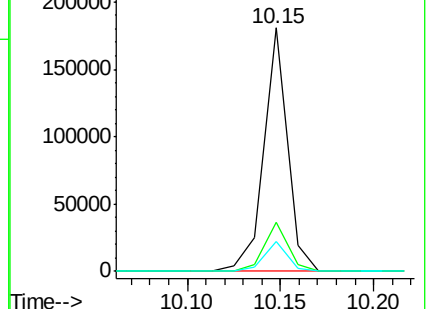
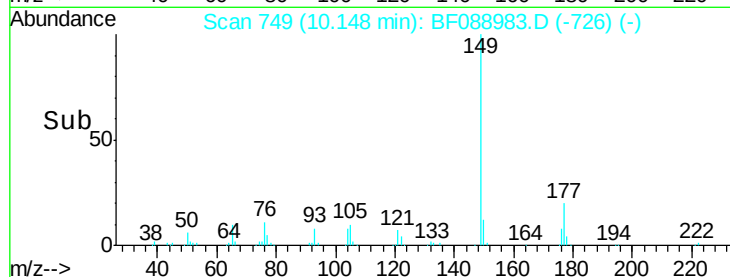
150 12.5 10.1 15.1



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: 16.74 ng

RT: 10.26 min Scan# 759

Delta R.T. -0.02 min

Lab File: BF088983.D

Acq: 14 Jul 2016 13:23

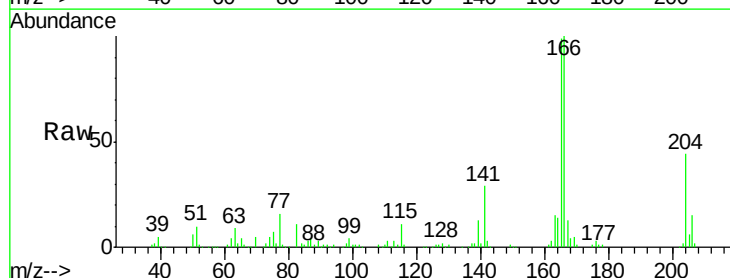
Tgt Ion:204 Resp: 69723

Ion Ratio Lower Upper

204 100

206 32.9 26.3 39.5

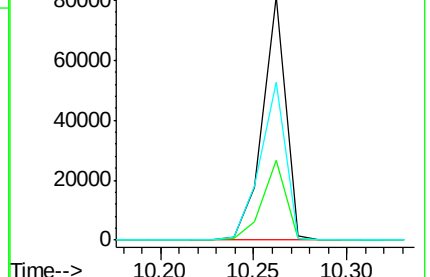
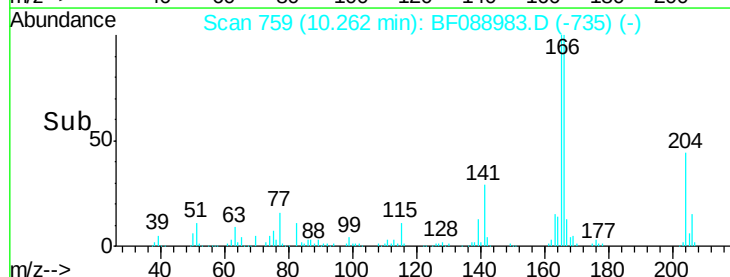
141 64.7 55.0 82.6

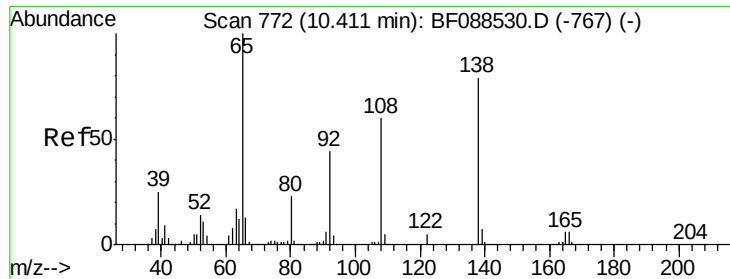


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E

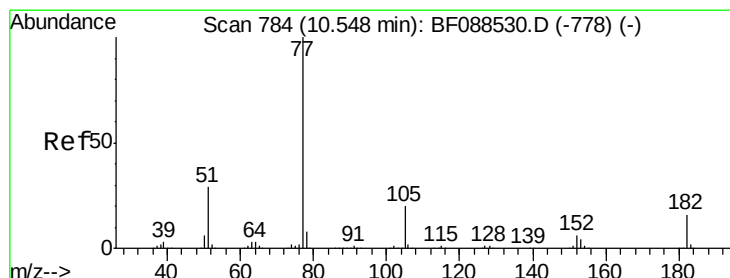
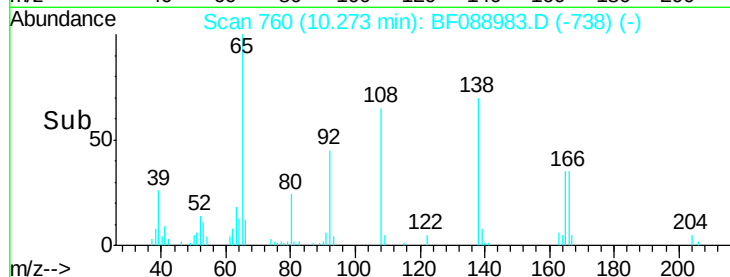
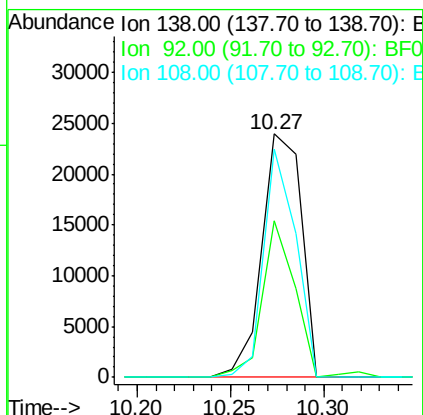
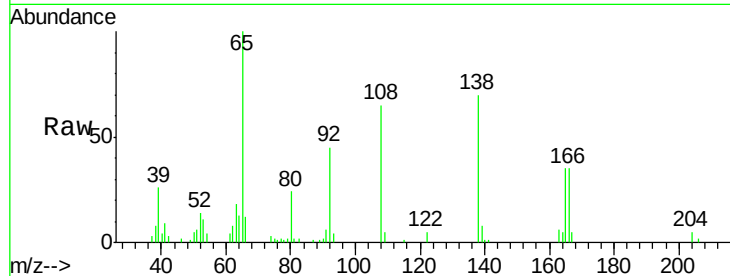




#61
4-Nitroaniline
Concen: 12.94 ng
RT: 10.27 min Scan# 760
Delta R.T. -0.05 min
Lab File: BF088983.D
Acq: 14 Jul 2016 13:23

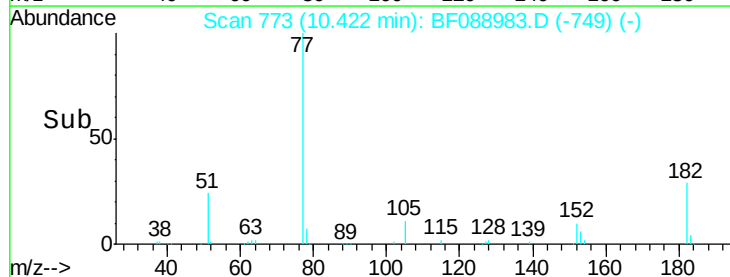
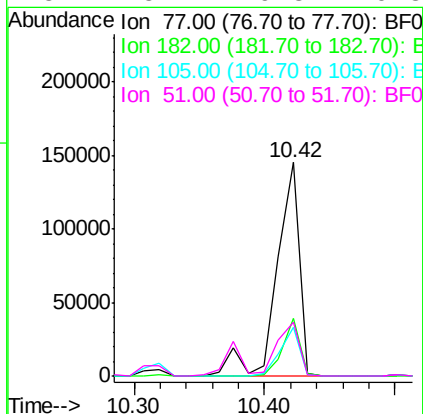
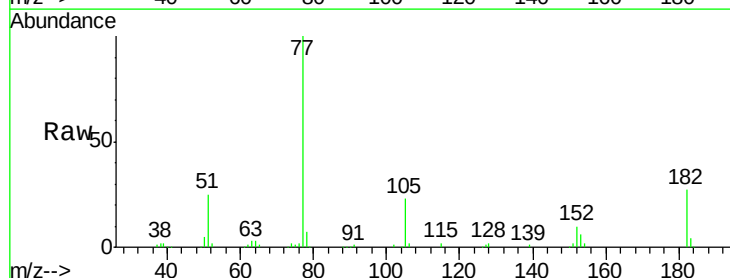
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2016-02

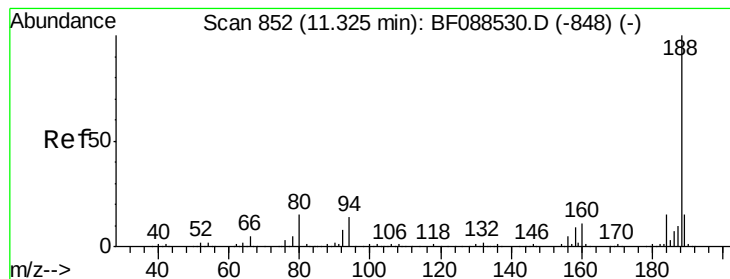
Tgt Ion:138 Resp: 35013
Ion Ratio Lower Upper
138 100
92 64.2 27.3 67.3
108 93.7 46.7 86.7#



#62
Azobenzene
Concen: 15.55 ng
RT: 10.42 min Scan# 773
Delta R.T. -0.02 min
Lab File: BF088983.D
Acq: 14 Jul 2016 13:23

Tgt Ion: 77 Resp: 177758
Ion Ratio Lower Upper
77 100
182 27.2 4.4 44.4
105 22.6 3.8 43.8
51 25.2 9.3 49.3





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.20 min Scan# 841

Delta R.T. -0.02 min

Lab File: BF088983.D

Acq: 14 Jul 2016 13:23

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2016-02

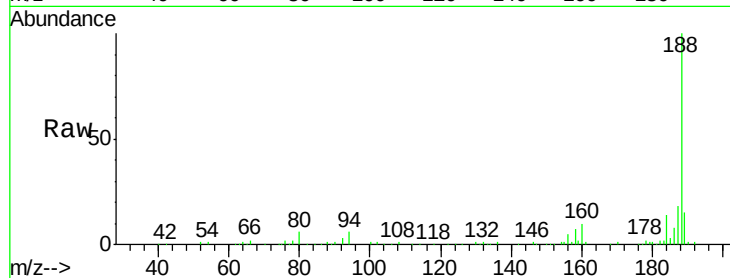
Tgt Ion:188 Resp: 277189

Ion Ratio Lower Upper

188 100

94 5.7 9.0 13.6#

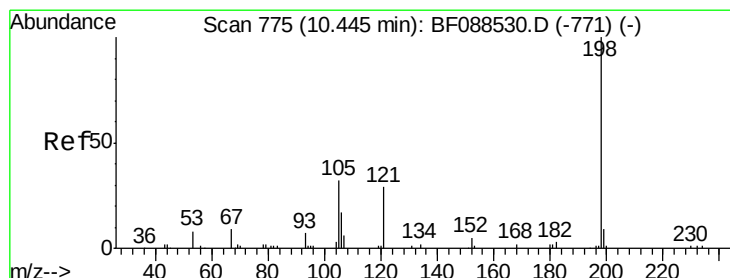
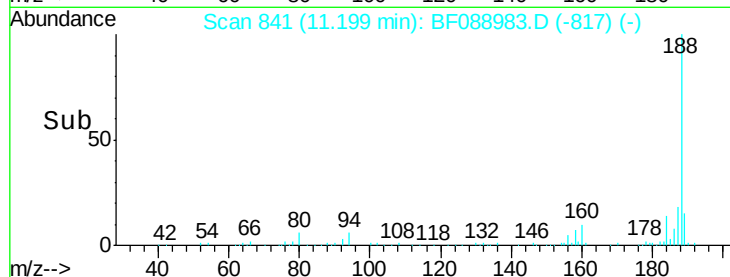
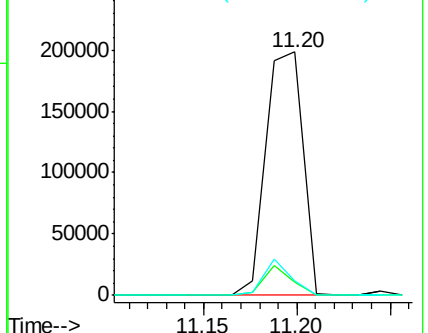
80 6.0 10.0 15.0#



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: 13.51 ng

RT: 10.32 min Scan# 764

Delta R.T. -0.02 min

Lab File: BF088983.D

Acq: 14 Jul 2016 13:23

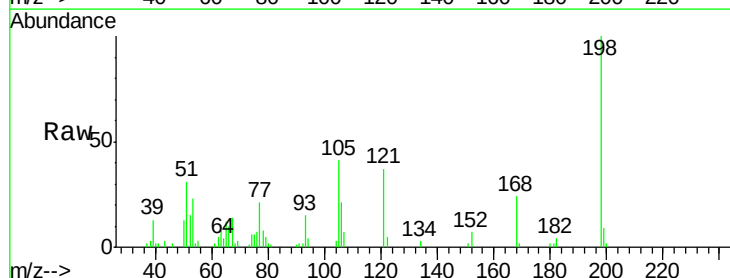
Tgt Ion:198 Resp: 20025

Ion Ratio Lower Upper

198 100

51 31.2 39.6 79.6#

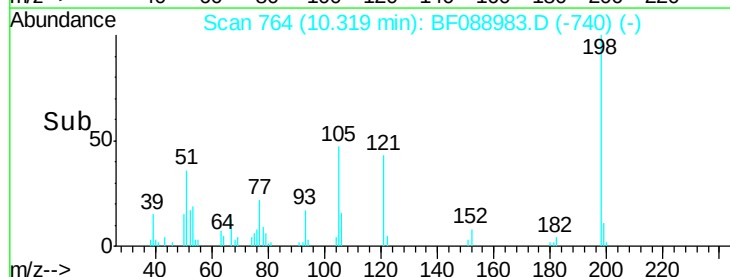
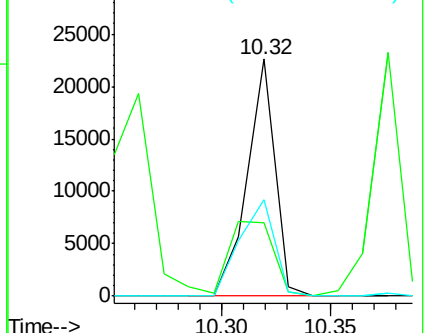
105 40.5 36.6 76.6

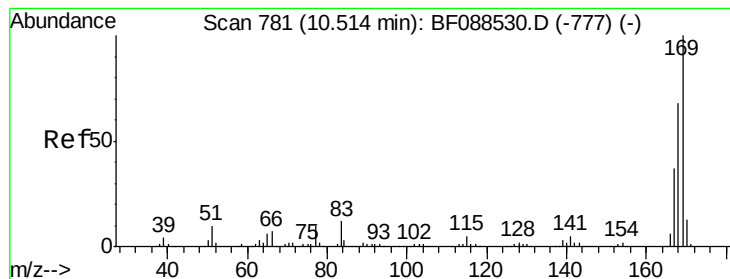


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E

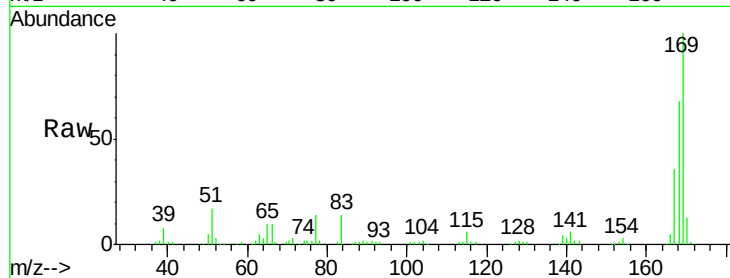




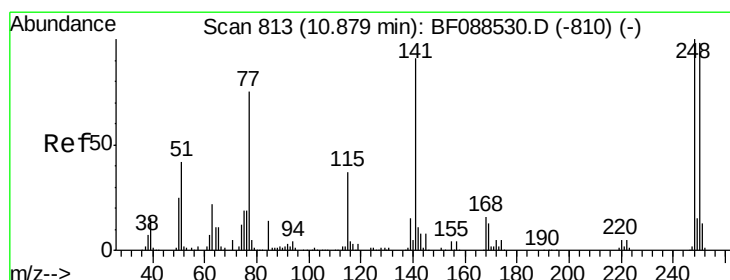
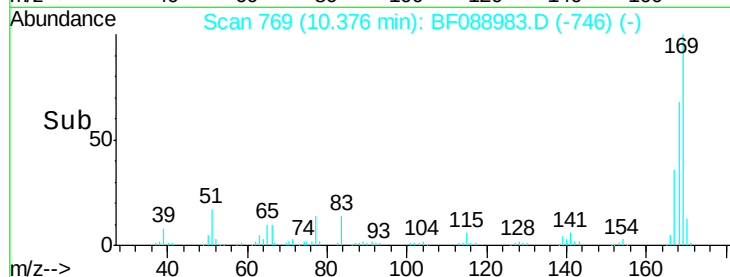
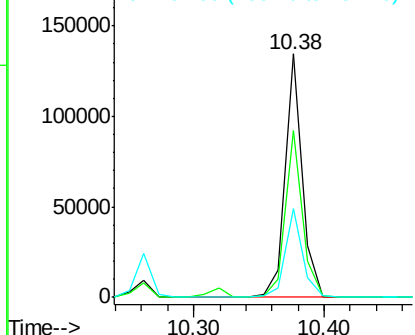
#65
n-Nitrosodiphenylamine
Concen: 13.20 ng
RT: 10.38 min Scan# 769
Delta R.T. -0.03 min
Lab File: BF088983.D
Acq: 14 Jul 2016 13:23

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2016-02

Tgt Ion:169 Resp: 123824
Ion Ratio Lower Upper
169 100
168 68.4 53.4 80.0
167 36.2 29.4 44.0

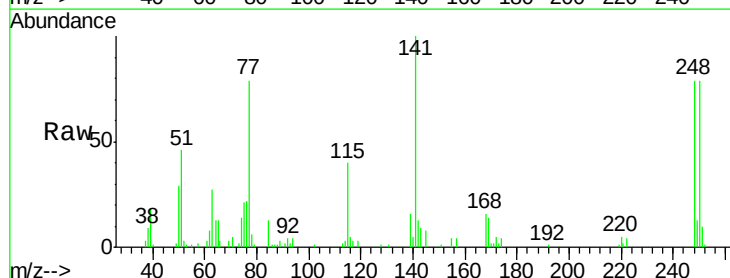


Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E

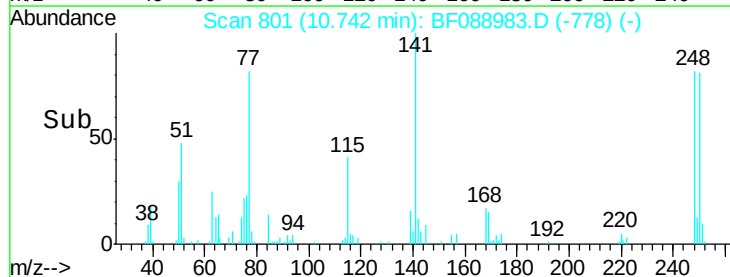
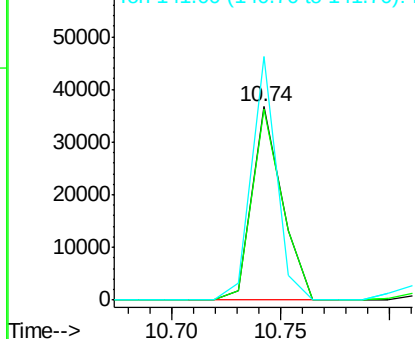


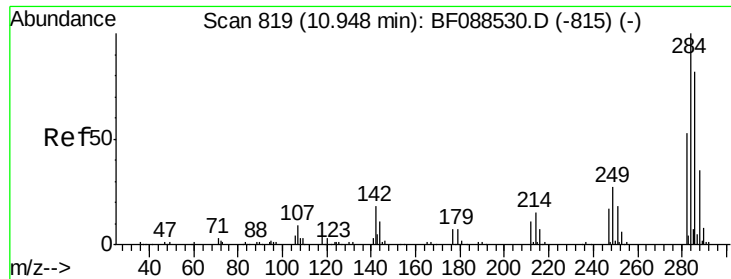
#66
4-Bromophenyl-phenylether
Concen: 12.71 ng
RT: 10.74 min Scan# 801
Delta R.T. -0.03 min
Lab File: BF088983.D
Acq: 14 Jul 2016 13:23

Tgt Ion:248 Resp: 35502
Ion Ratio Lower Upper
248 100
250 99.1 77.1 115.7
141 125.9 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

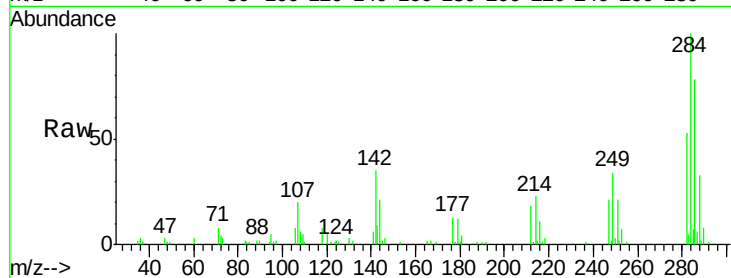




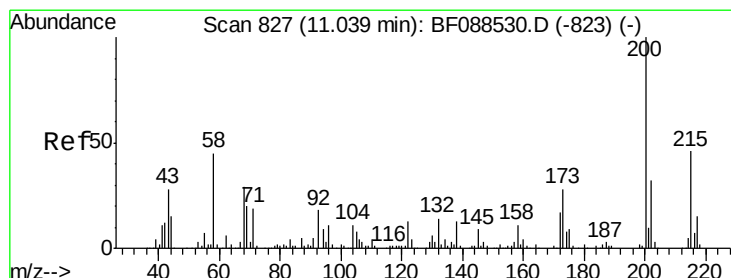
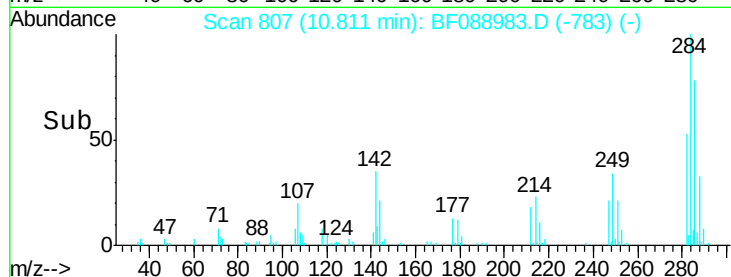
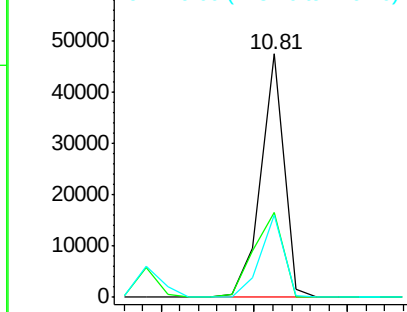
#67
Hexachlorobenzene
Concen: 13.16 ng
RT: 10.81 min Scan# 807
Delta R.T. -0.02 min
Lab File: BF088983.D
Acq: 14 Jul 2016 13:23

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2016-02

Tgt Ion:284 Resp: 40708
Ion Ratio Lower Upper
284 100
142 35.1 35.8 53.8#
249 33.6 25.8 38.6

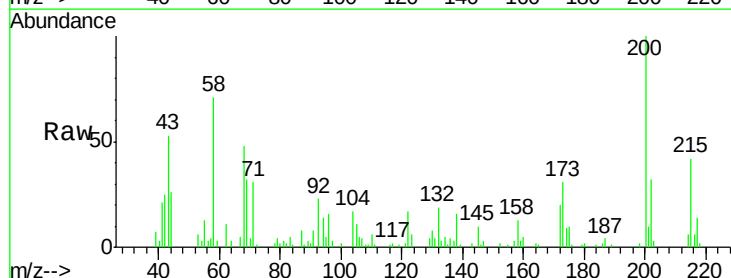


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

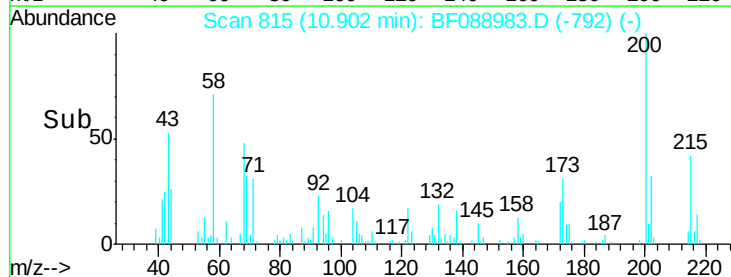
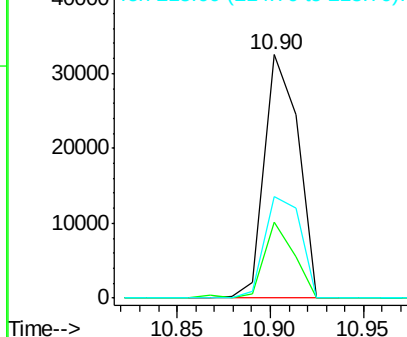


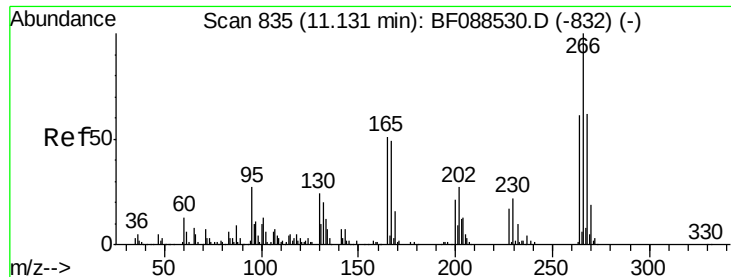
#68
Atrazine
Concen: 13.95 ng
RT: 10.90 min Scan# 815
Delta R.T. -0.03 min
Lab File: BF088983.D
Acq: 14 Jul 2016 13:23

Tgt Ion:200 Resp: 40780
Ion Ratio Lower Upper
200 100
173 31.1 4.0 44.0
215 41.7 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

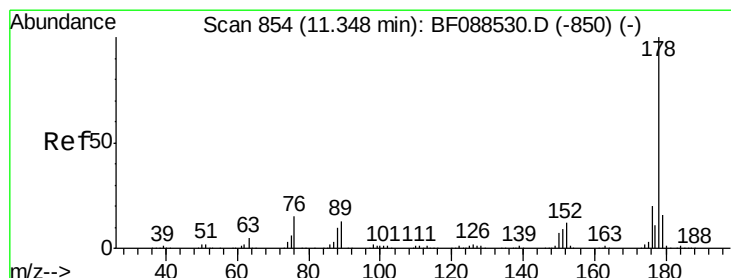
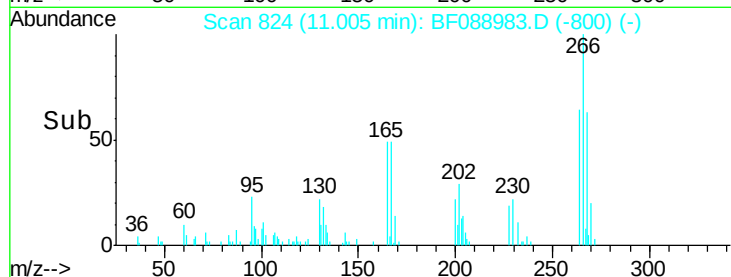
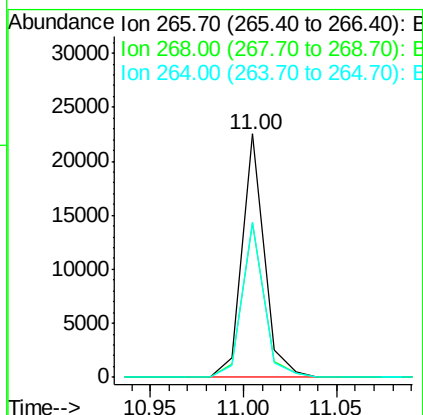
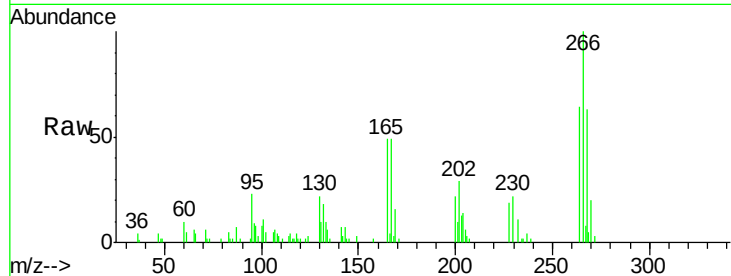




#69
 Pentachlorophenol
 Concen: 10.24 ng
 RT: 11.00 min Scan# 824
 Delta R.T. -0.02 min
 Lab File: BF088983.D
 Acq: 14 Jul 2016 13:23

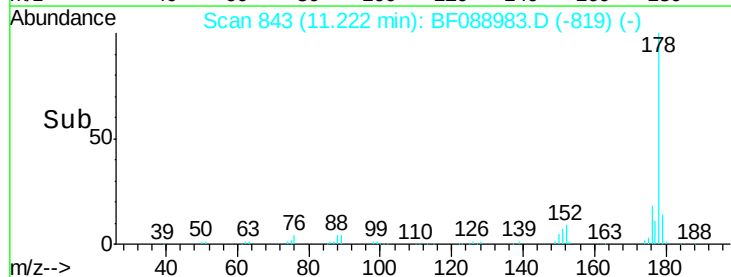
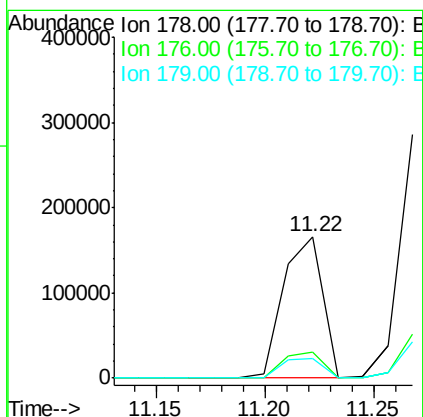
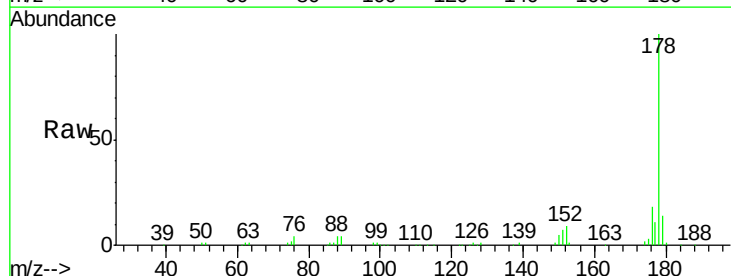
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2016-02

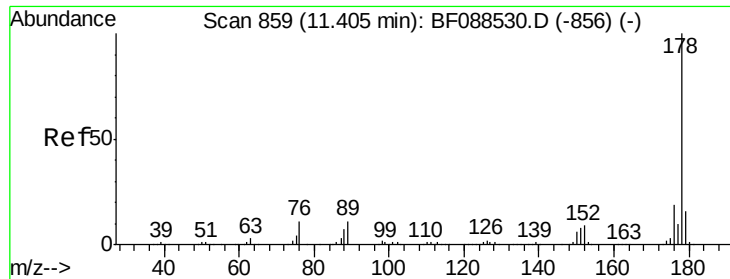
Tgt Ion:266 Resp: 18743
 Ion Ratio Lower Upper
 266 100
 268 63.2 52.8 79.2
 264 63.7 49.6 74.4



#70
 Phenanthrene
 Concen: 13.89 ng
 RT: 11.22 min Scan# 843
 Delta R.T. -0.02 min
 Lab File: BF088983.D
 Acq: 14 Jul 2016 13:23

Tgt Ion:178 Resp: 210541
 Ion Ratio Lower Upper
 178 100
 176 18.3 15.8 23.6
 179 14.3 13.0 19.4

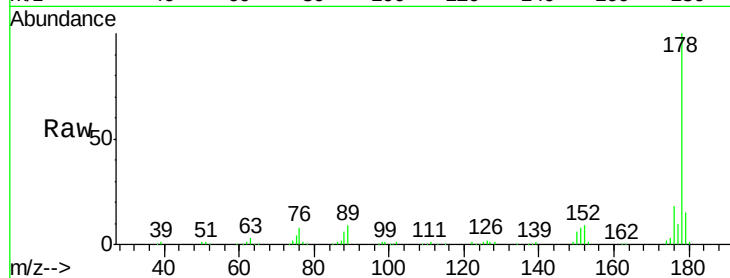




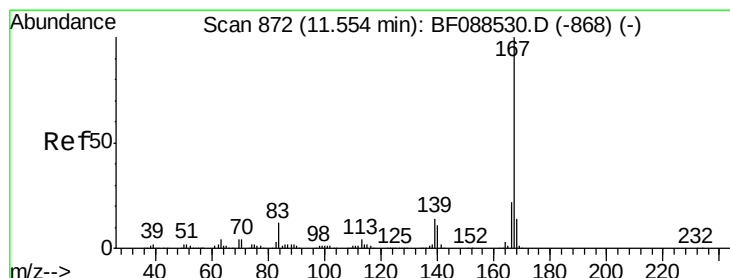
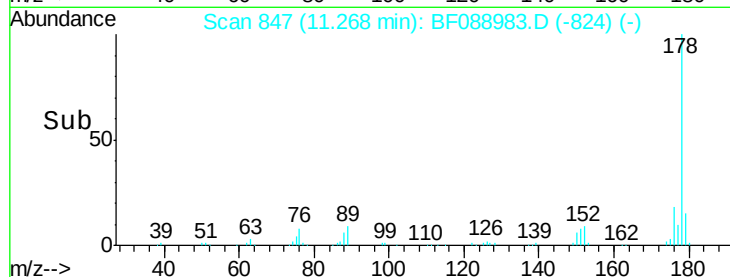
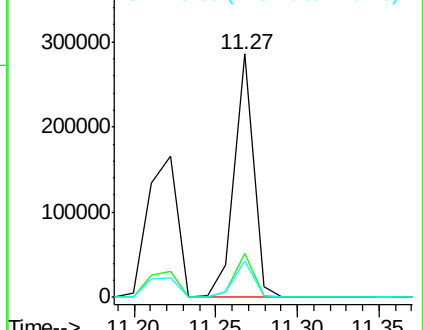
#71
 Anthracene
 Concen: 15.45 ng
 RT: 11.27 min Scan# 847
 Delta R.T. -0.03 min
 Lab File: BF088983.D
 Acq: 14 Jul 2016 13:23

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2016-02

Tgt Ion:178 Resp: 232750
 Ion Ratio Lower Upper
 178 100
 176 18.2 15.6 23.4
 179 15.1 12.8 19.2

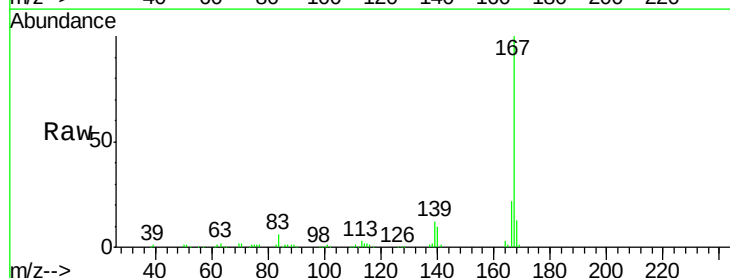


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

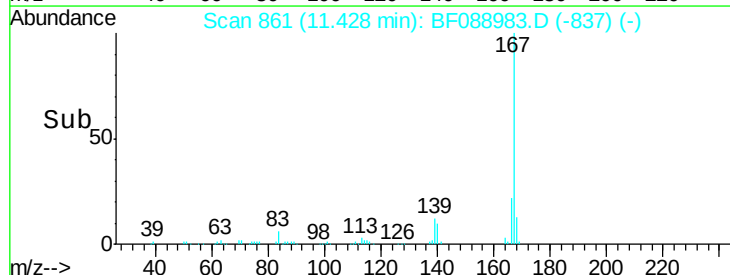
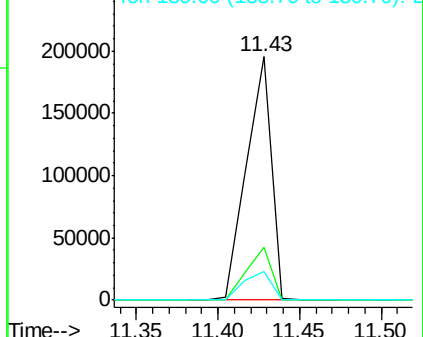


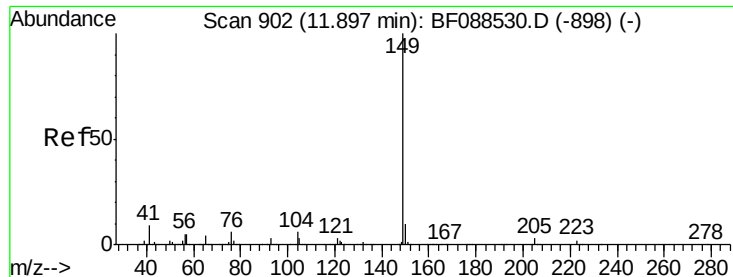
#72
 Carbazole
 Concen: 14.59 ng
 RT: 11.43 min Scan# 861
 Delta R.T. -0.02 min
 Lab File: BF088983.D
 Acq: 14 Jul 2016 13:23

Tgt Ion:167 Resp: 206836
 Ion Ratio Lower Upper
 167 100
 166 21.8 17.8 26.6
 139 12.0 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: 15.13 ng

RT: 11.77 min Scan# 891

Delta R.T. -0.02 min

Lab File: BF088983.D

Acq: 14 Jul 2016 13:23

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2016-02

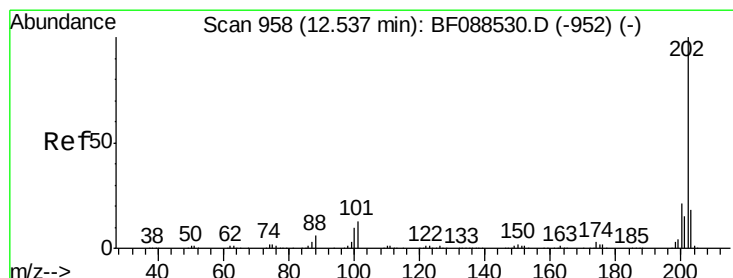
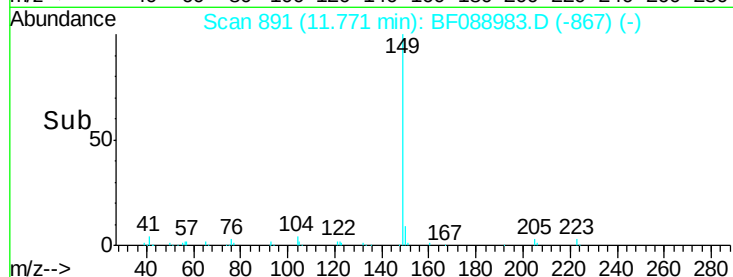
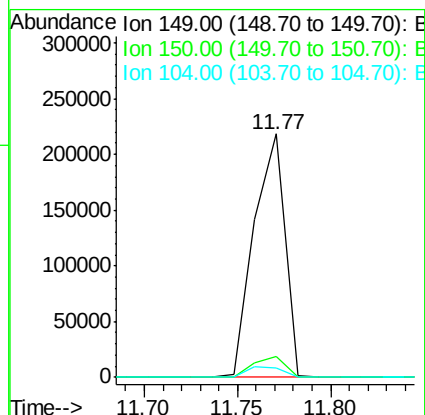
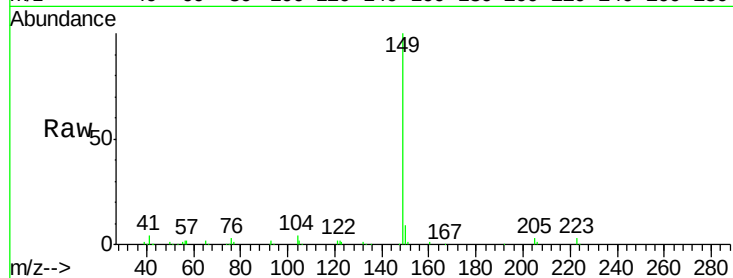
Tgt Ion:149 Resp: 249640

Ion Ratio Lower Upper

149 100

150 8.8 7.8 11.6

104 3.9 4.0 6.0#



#74

Fluoranthene

Concen: 15.01 ng

RT: 12.40 min Scan# 946

Delta R.T. -0.02 min

Lab File: BF088983.D

Acq: 14 Jul 2016 13:23

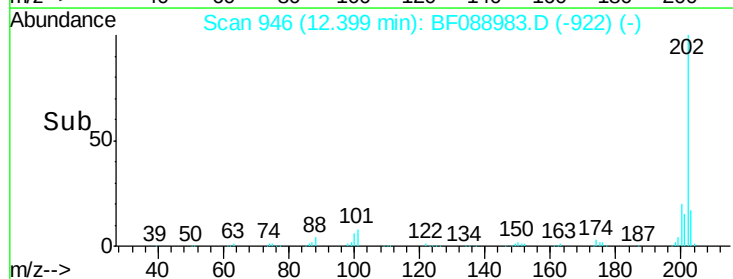
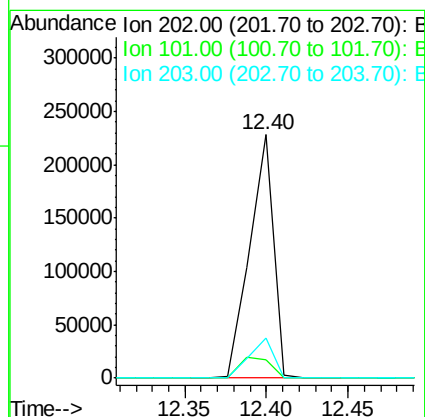
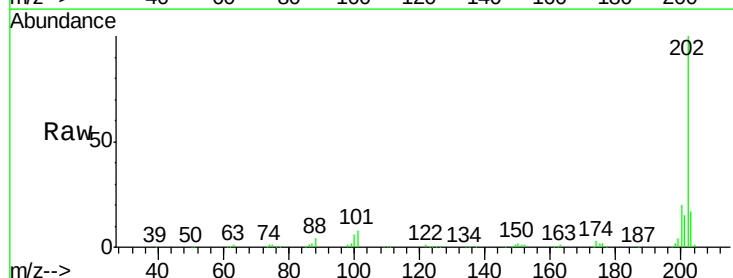
Tgt Ion:202 Resp: 230625

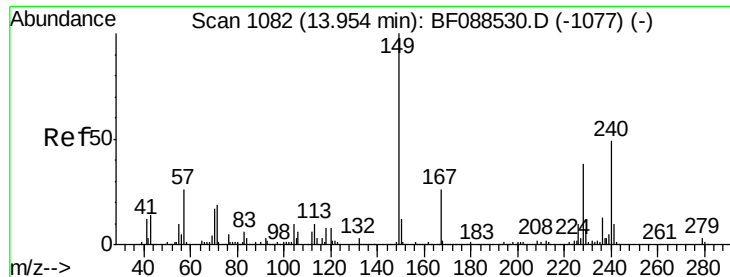
Ion Ratio Lower Upper

202 100

101 7.7 0.0 33.1

203 16.7 0.0 38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.82 min Scan# 1070

Delta R.T. -0.03 min

Lab File: BF088983.D

Acq: 14 Jul 2016 13:23

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2016-02

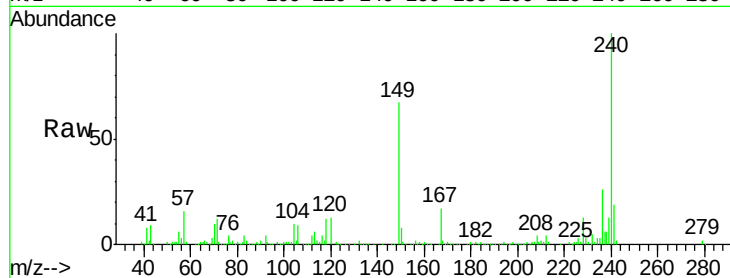
Tgt Ion:240 Resp: 215917

Ion Ratio Lower Upper

240 100

120 13.0 6.8 10.2#

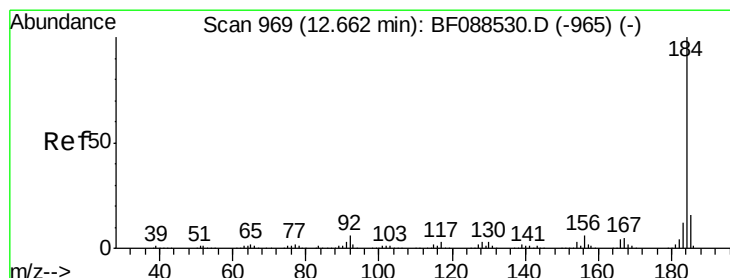
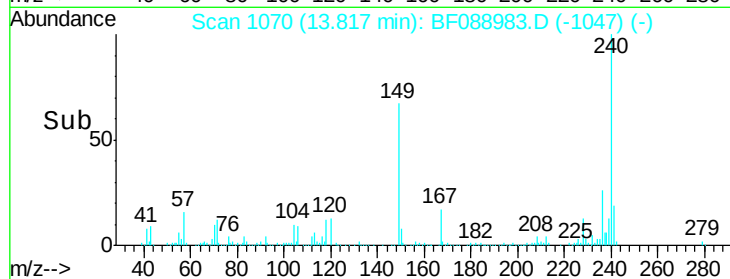
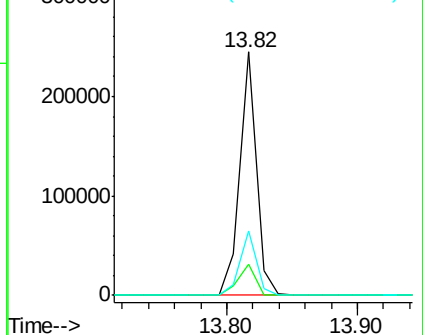
236 26.2 20.2 30.2



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



#76

Benzidine

Concen: 3.88 ng

RT: 12.53 min Scan# 957

Delta R.T. -0.02 min

Lab File: BF088983.D

Acq: 14 Jul 2016 13:23

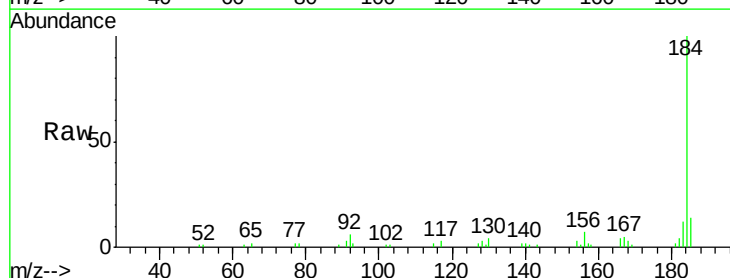
Tgt Ion:184 Resp: 42363

Ion Ratio Lower Upper

184 100

185 14.2 12.5 18.7

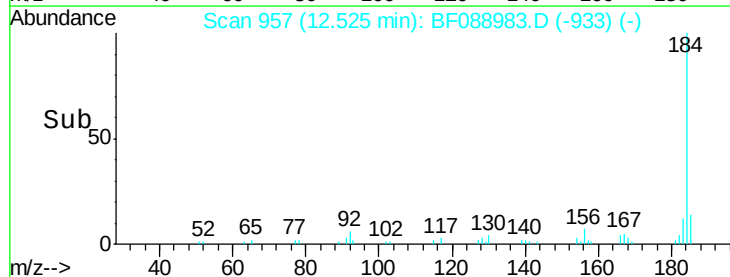
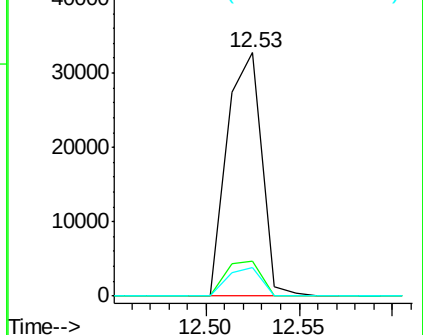
183 11.8 9.3 13.9

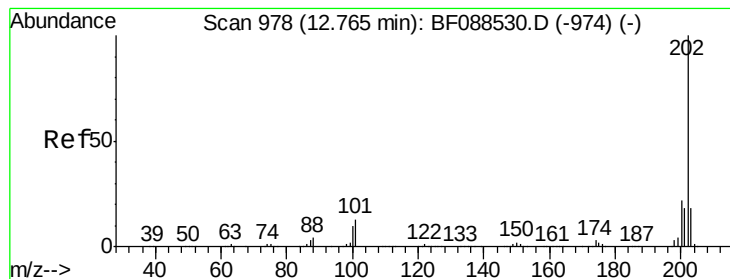


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pyrene

Concen: 11.72 ng

RT: 12.62 min Scan# 965

Delta R.T. -0.03 min

Lab File: BF088983.D

Acq: 14 Jul 2016 13:23

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2016-02

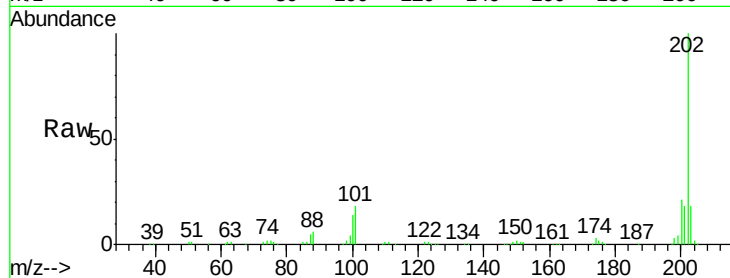
Tgt Ion:202 Resp: 214533

Ion Ratio Lower Upper

202 100

200 21.1 17.4 26.2

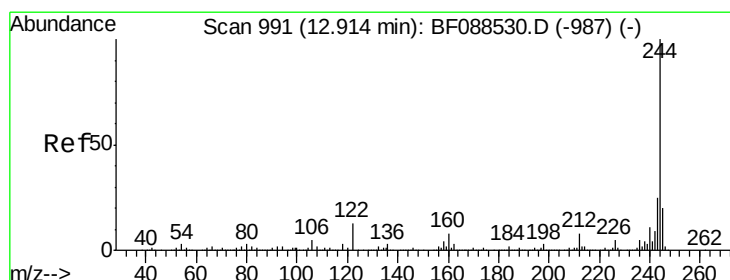
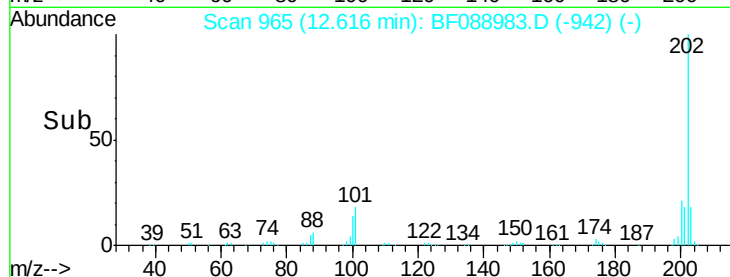
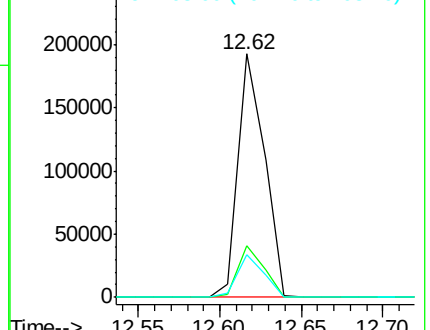
203 17.7 14.5 21.7



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 59.78 ng

RT: 12.78 min Scan# 979

Delta R.T. -0.02 min

Lab File: BF088983.D

Acq: 14 Jul 2016 13:23

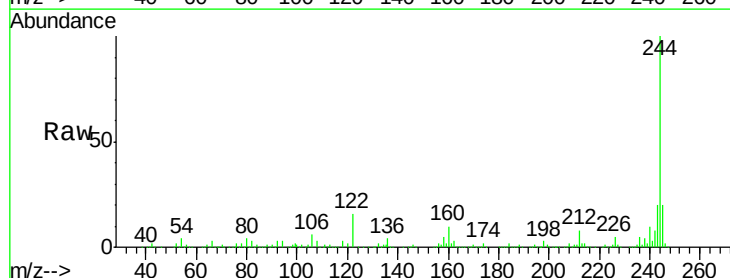
Tgt Ion:244 Resp: 579480

Ion Ratio Lower Upper

244 100

212 8.4 6.0 9.0

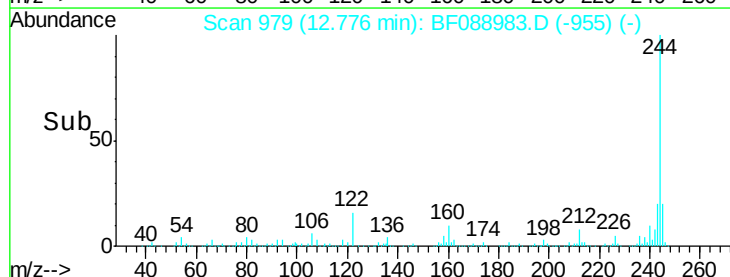
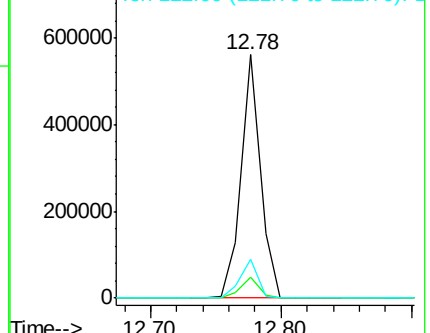
122 15.9 11.2 16.8

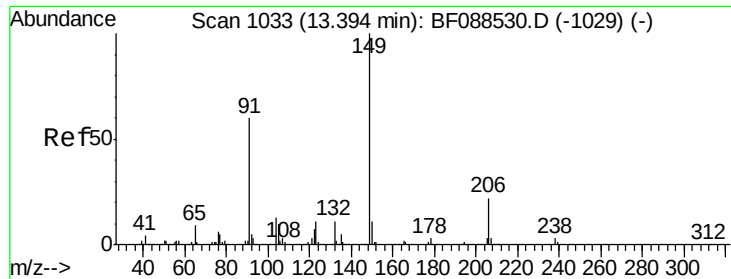


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

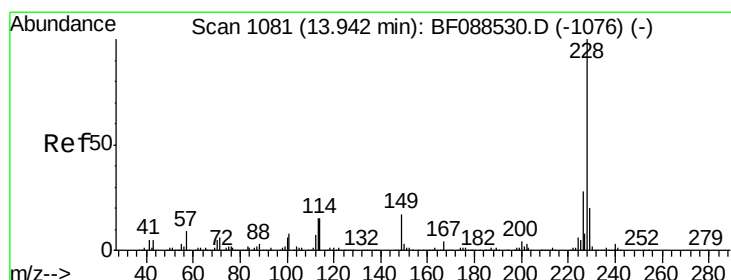
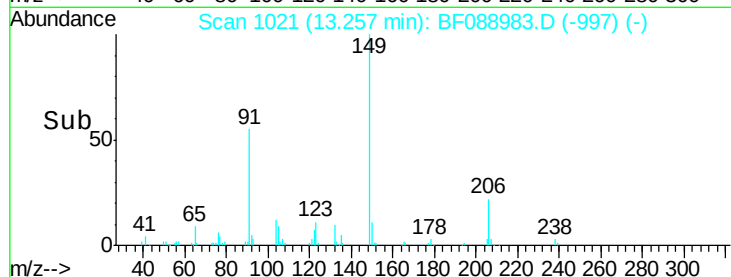
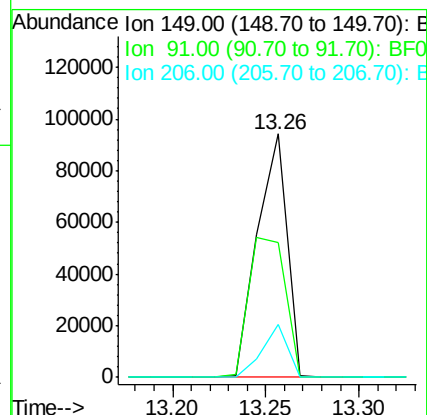
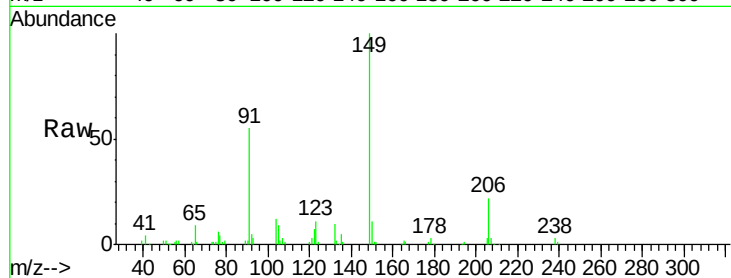




#79
Butylbenzylphthalate
Concen: 12.65 ng
RT: 13.26 min Scan# 1021
Delta R.T. -0.02 min
Lab File: BF088983.D
Acq: 14 Jul 2016 13:23

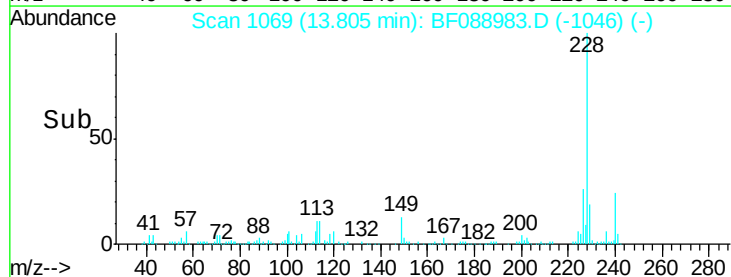
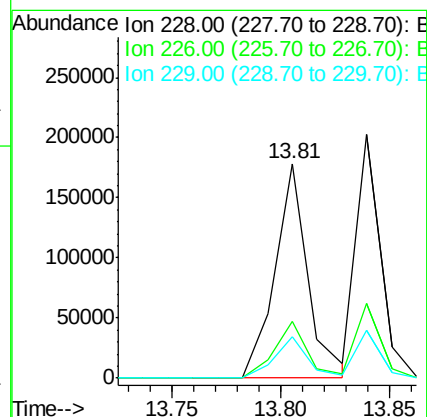
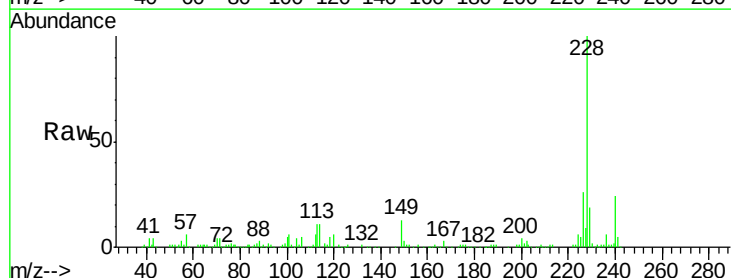
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2016-02

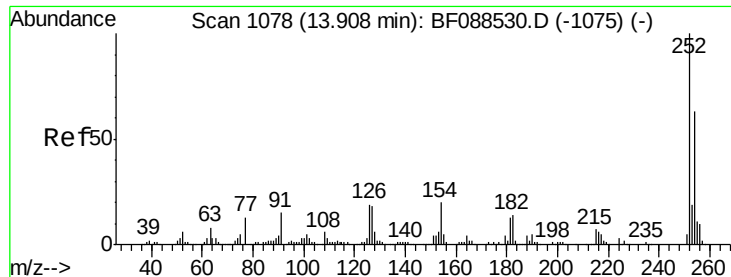
Tgt Ion:149 Resp: 103317
Ion Ratio Lower Upper
149 100
91 55.3 48.0 72.0
206 21.9 16.0 24.0



#80
Benzo(a)anthracene
Concen: 13.65 ng
RT: 13.81 min Scan# 1069
Delta R.T. -0.03 min
Lab File: BF088983.D
Acq: 14 Jul 2016 13:23

Tgt Ion:228 Resp: 189772
Ion Ratio Lower Upper
228 100
226 26.5 22.3 33.5
229 19.3 16.0 24.0

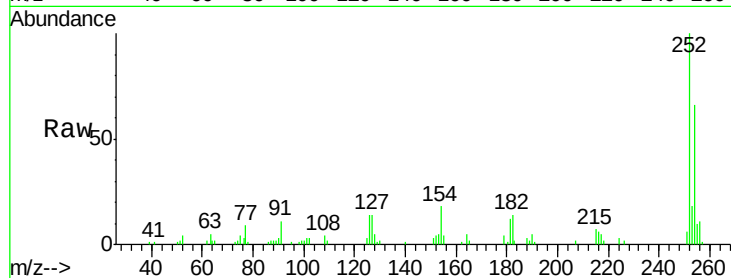




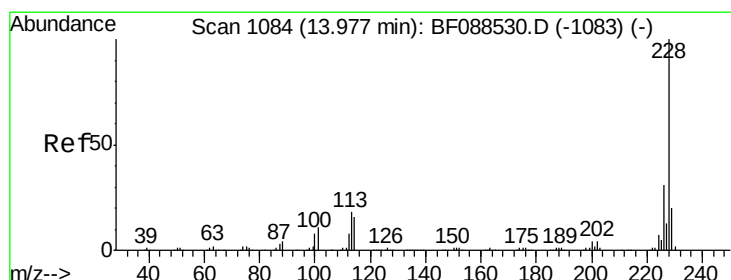
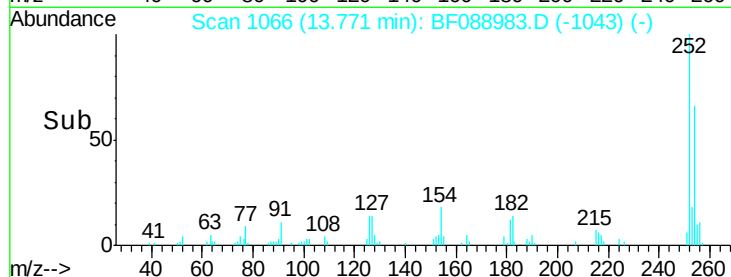
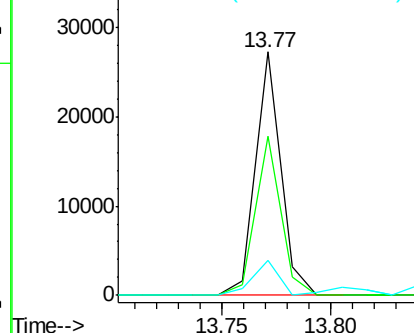
#81
 3,3'-Dichlorobenzidine
 Concen: 4.22 ng
 RT: 13.77 min Scan# 1066
 Delta R.T. -0.03 min
 Lab File: BF088983.D
 Acq: 14 Jul 2016 13:23

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2016-02

Tgt Ion: 252 Resp: 22048
 Ion Ratio Lower Upper
 252 100
 254 65.6 52.6 78.8
 126 14.1 6.2 9.2#

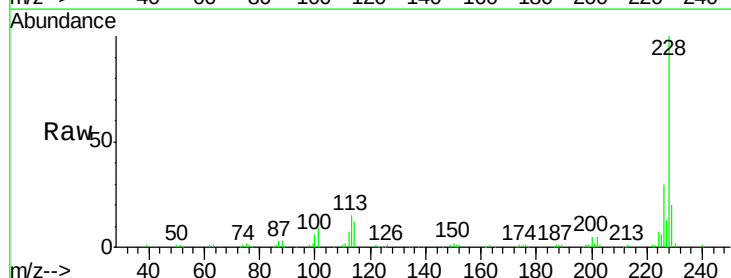


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

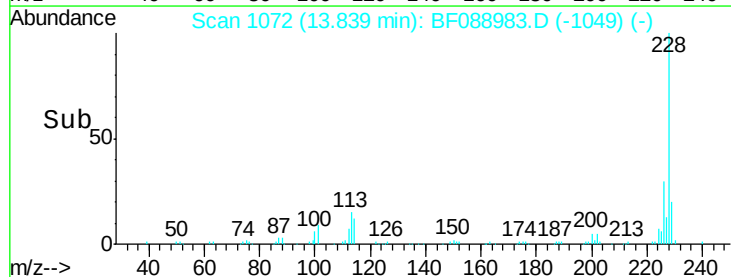
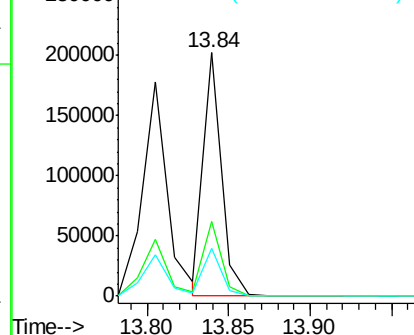


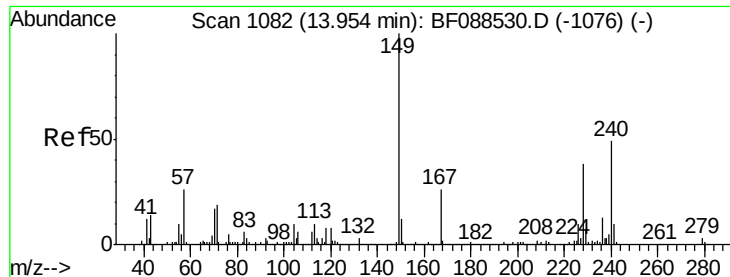
#82
 Chrysene
 Concen: 11.54 ng
 RT: 13.84 min Scan# 1072
 Delta R.T. -0.03 min
 Lab File: BF088983.D
 Acq: 14 Jul 2016 13:23

Tgt Ion: 228 Resp: 158692
 Ion Ratio Lower Upper
 228 100
 226 30.5 25.4 38.2
 229 19.6 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: 14.98 ng

RT: 13.82 min Scan# 1070

Delta R.T. -0.02 min

Lab File: BF088983.D

Acq: 14 Jul 2016 13:23

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2016-02

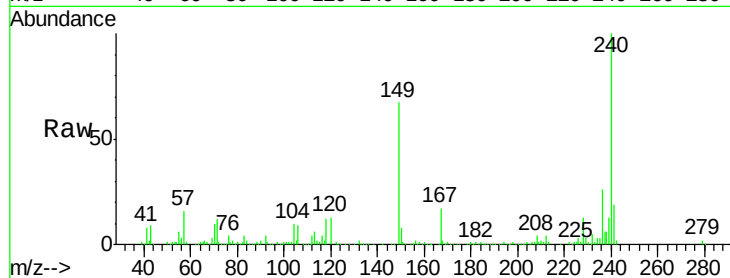
Tgt Ion:149 Resp: 139636

Ion Ratio Lower Upper

149 100

167 24.7 20.5 30.7

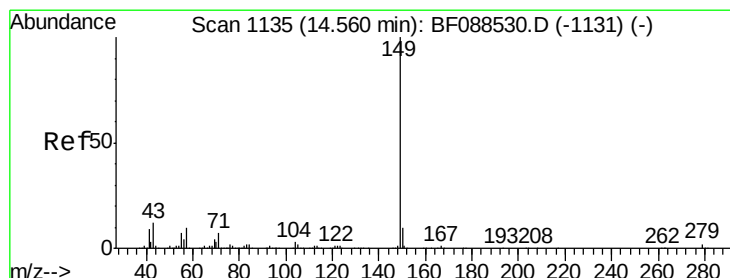
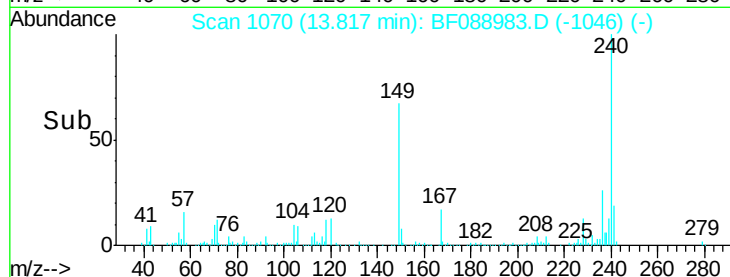
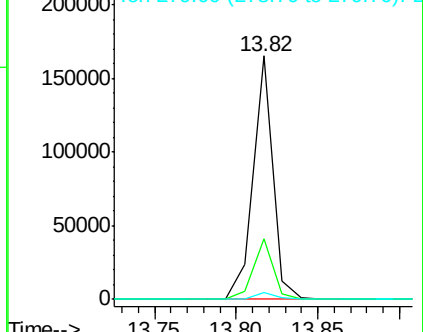
279 2.6 2.0 3.0



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: 14.21 ng

RT: 14.42 min Scan# 1123

Delta R.T. -0.03 min

Lab File: BF088983.D

Acq: 14 Jul 2016 13:23

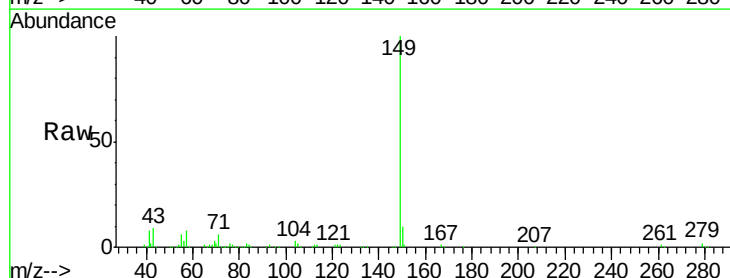
Tgt Ion:149 Resp: 225089

Ion Ratio Lower Upper

149 100

167 1.5 0.0 0.0#

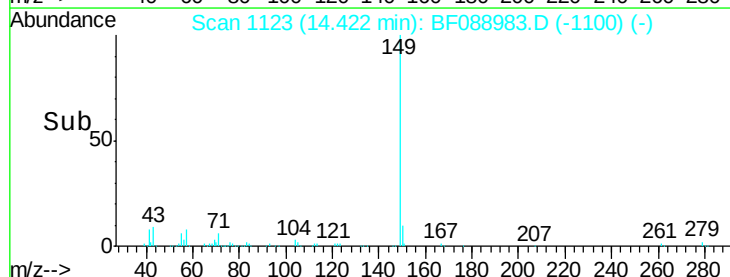
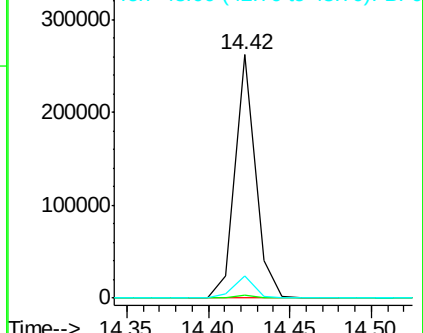
43 9.8 0.0 0.0#

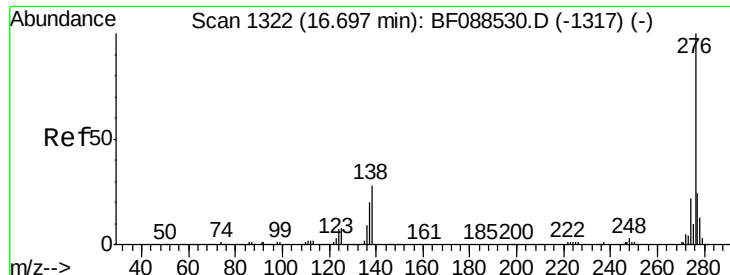


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0

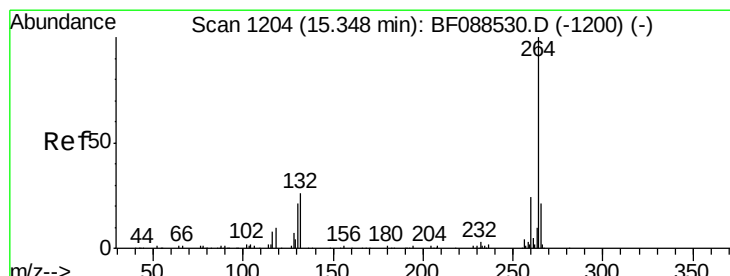
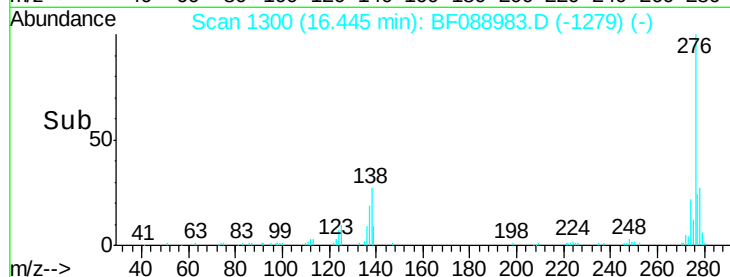
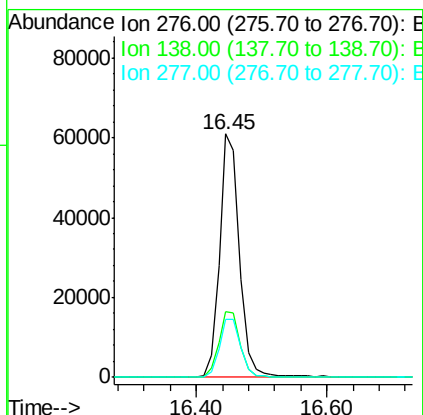
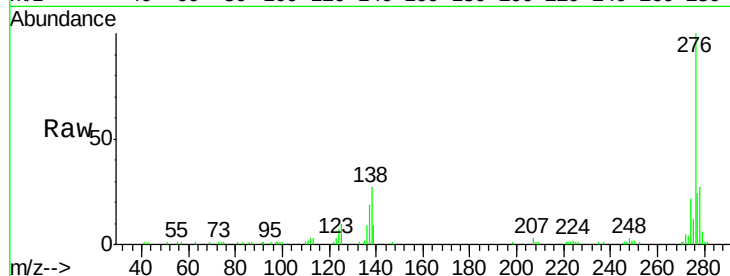




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 12.20 ng
 RT: 16.45 min Scan# 1300
 Delta R.T. -0.06 min
 Lab File: BF088983.D
 Acq: 14 Jul 2016 13:23

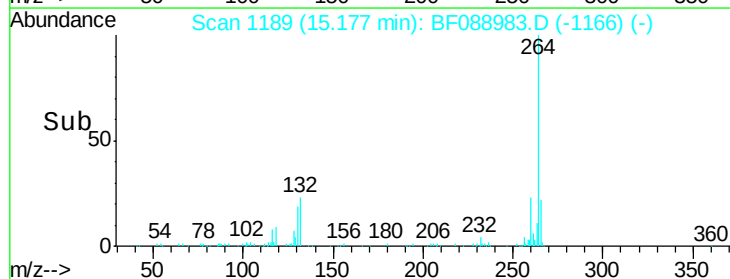
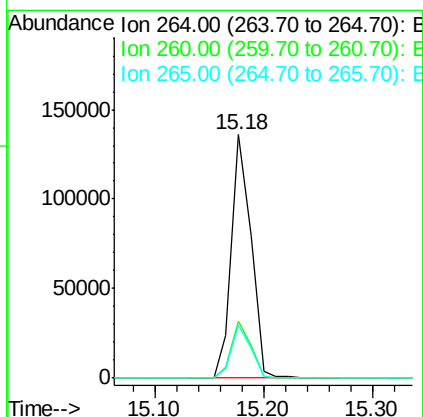
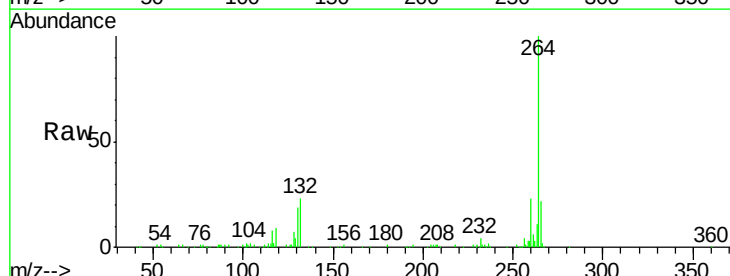
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2016-02

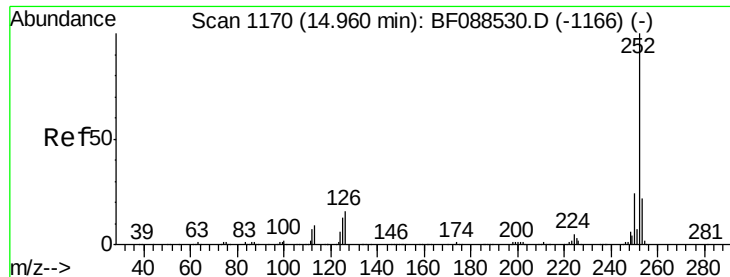
Tgt Ion: 276 Resp: 129157
 Ion Ratio Lower Upper
 276 100
 138 28.7 0.0 0.0#
 277 25.3 0.0 0.0#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.18 min Scan# 1189
 Delta R.T. -0.03 min
 Lab File: BF088983.D
 Acq: 14 Jul 2016 13:23

Tgt Ion: 264 Resp: 168334
 Ion Ratio Lower Upper
 264 100
 260 23.2 19.2 28.8
 265 21.6 16.9 25.3

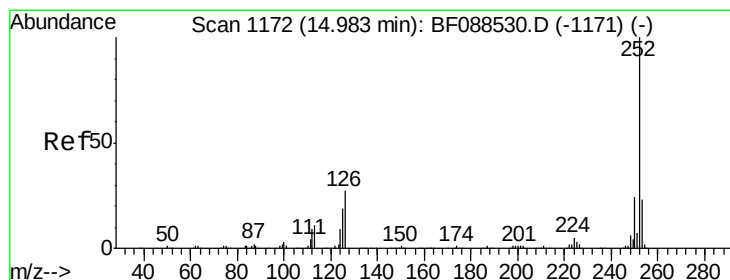
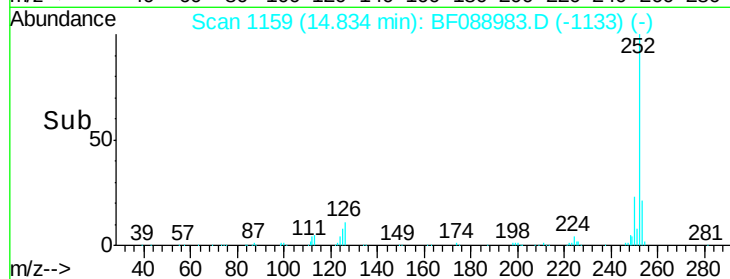
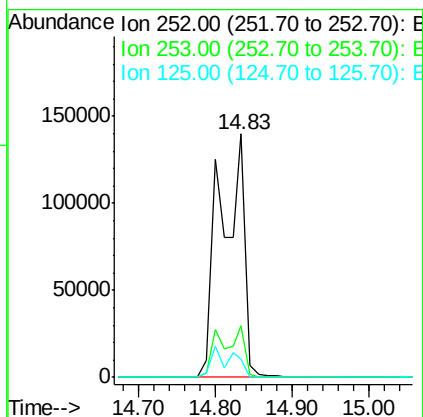
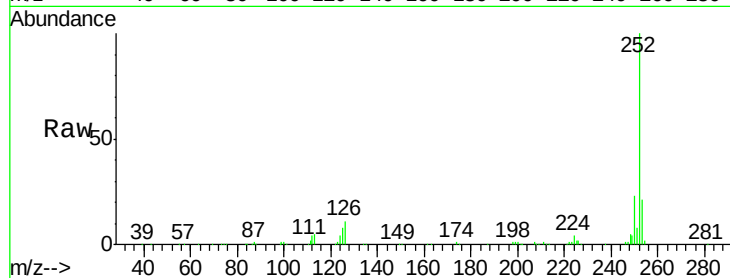




#87
Benzo(b)fluoranthene
Concen: 29.08 ng
RT: 14.83 min Scan# 1159
Delta R.T. 0.00 min
Lab File: BF088983.D
Acq: 14 Jul 2016 13:23

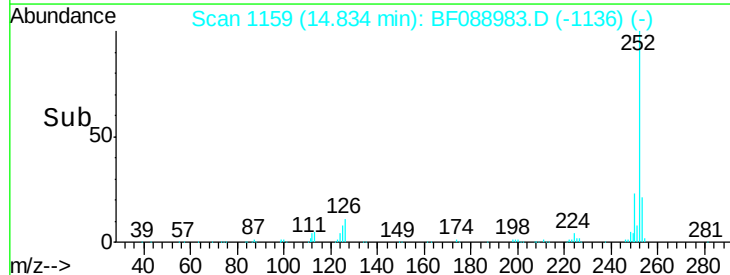
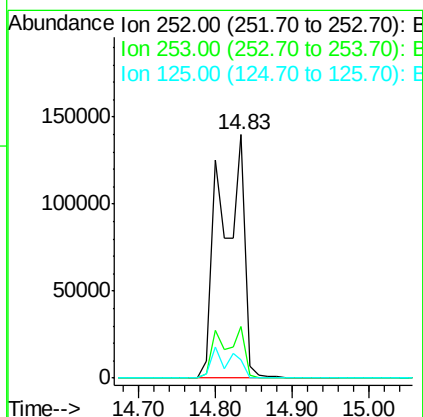
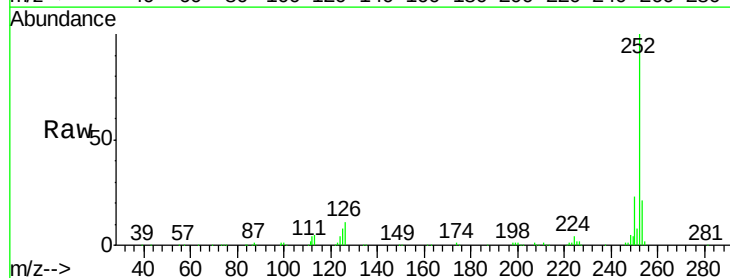
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2016-02

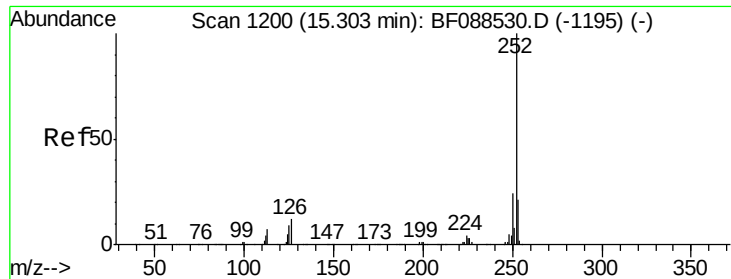
Tgt Ion: 252 Resp: 307091
Ion Ratio Lower Upper
252 100
253 21.2 17.4 26.2
125 7.7 7.1 10.7



#88
Benzo(k)fluoranthene
Concen: 33.41 ng
RT: 14.83 min Scan# 1159
Delta R.T. -0.03 min
Lab File: BF088983.D
Acq: 14 Jul 2016 13:23

Tgt Ion: 252 Resp: 307091
Ion Ratio Lower Upper
252 100
253 21.2 18.0 27.0
125 7.7 11.2 16.8#





#89

Benzo(a)pyrene

Concen: 15.61 ng

RT: 15.12 min Scan# 1184

Delta R.T. -0.05 min

Lab File: BF088983.D

Acq: 14 Jul 2016 13:23

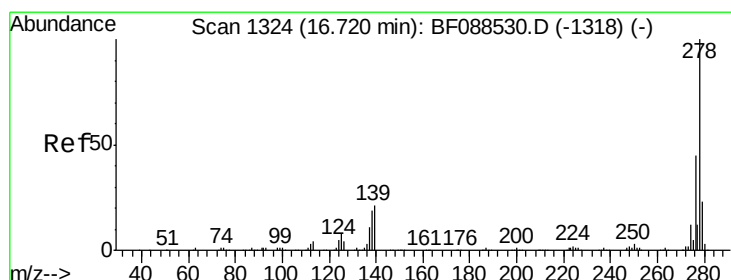
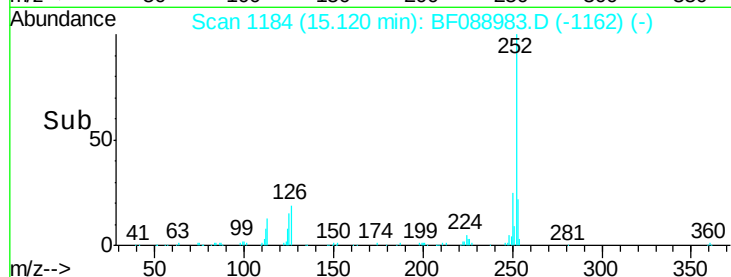
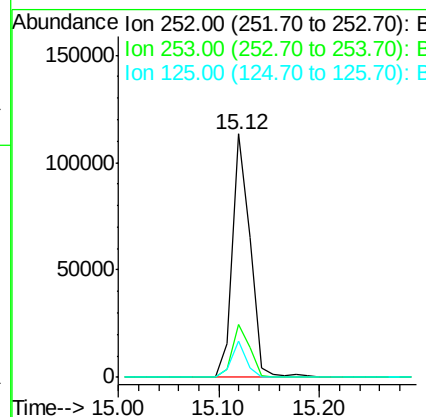
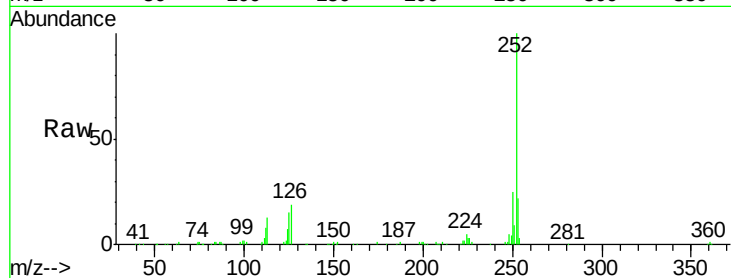
Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2016-02

Tgt Ion:	252	Resp:	139597
Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.9	26.9
125	15.1	12.5	18.7



#90

Dibenzo(a,h)anthracene

Concen: 14.21 ng

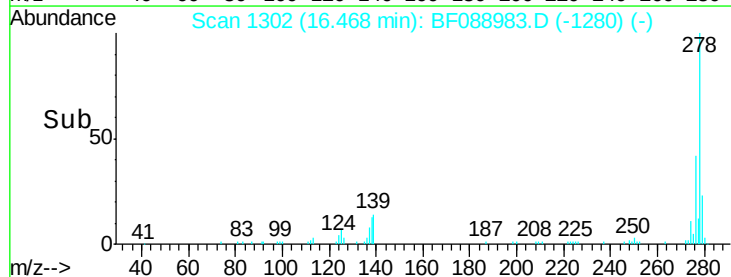
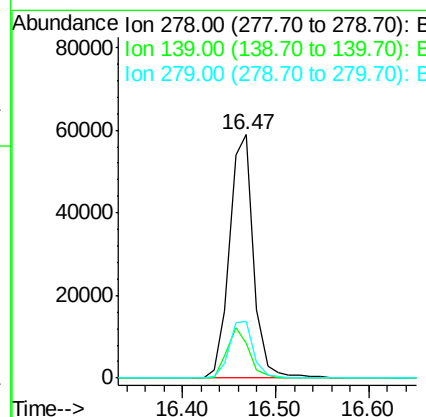
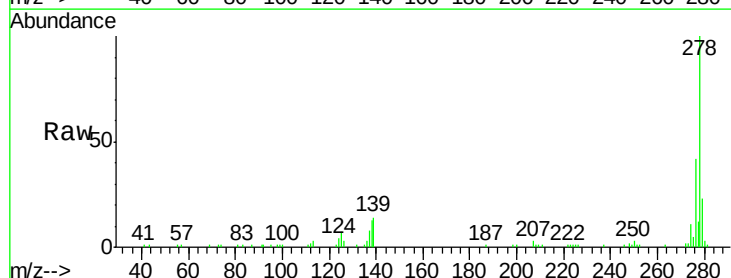
RT: 16.47 min Scan# 1302

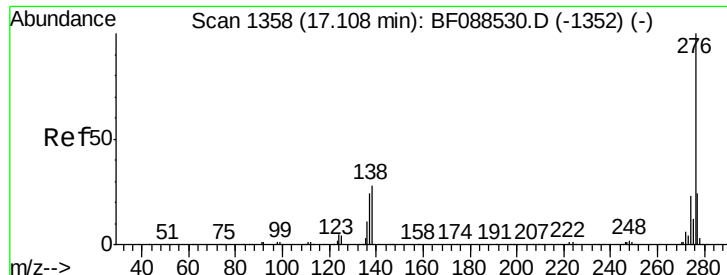
Delta R.T. -0.05 min

Lab File: BF088983.D

Acq: 14 Jul 2016 13:23

Tgt Ion:	278	Resp:	106118
Ion	Ratio	Lower	Upper
278	100		
139	14.1	15.7	23.5#
279	23.3	19.4	29.2





#91

Benzo(g,h,i)perylene

Concen: 13.53 ng

RT: 16.83 min Scan# 1334

Delta R.T. -0.06 min

Lab File: BF088983.D

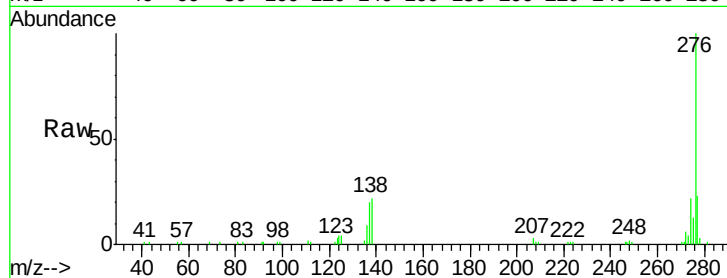
Acq: 14 Jul 2016 13:23

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2016-02



Tgt Ion: 276 Resp: 104525

Ion Ratio Lower Upper

276 100

277 22.6 18.9 28.3

138 22.0 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

