

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071416\
 Data File : BF088985.D
 Acq On : 14 Jul 2016 14:21
 Operator : UM/SJ
 Sample : H3606-03
 Misc : LOD-5PPM
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01

Quant Time: Jul 15 01:15:27 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	66510	20.00	ng	-0.02
21) Naphthalene-d8	7.96	136	258538	20.00	ng	-0.03
38) Acenaphthene-d10	9.71	164	124840	20.00	ng	-0.03
63) Phenanthrene-d10	11.19	188	242629	20.00	ng	-0.03
75) Chrysene-d12	13.82	240	228936	20.00	ng	-0.03
86) Perylene-d12	15.18	264	182670	20.00	ng	-0.03

System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	442146	99.63	ng	0.00
7) Phenol-d6	6.33	99	539057	94.01	ng	-0.02
23) Nitrobenzene-d5	7.26	82	357291	72.42	ng	-0.02
41) 2,4,6-Tribromophenol	10.50	330	99958	86.22	ng	-0.03
44) 2-Fluorobiphenyl	9.05	172	637053	80.61	ng	-0.02
78) Terphenyl-d14	12.78	244	549055	53.42	ng	-0.02

Target Compounds						Qvalue
2) 1,4-Dioxane	2.26	88	6433	2.92	ng	# 1
3) Pyridine	2.96	79	14078	2.21	ng	96
4) n-Nitrosodimethylamine	2.84	42	6326	2.59	ng	# 96
8) 2-Chlorophenol	6.47	128	16920	3.55	ng	94
9) Benzaldehyde	6.23	77	13254	3.41	ng	96
10) Phenol	6.34	94	14472	2.21	ng	# 1
11) bis(2-Chloroethyl)ether	6.42	93	14988	3.07	ng	95
12) 1,3-Dichlorobenzene	6.86	146	17137	3.27	ng	95
13) 1,4-Dichlorobenzene	6.63	146	16682	3.20	ng	97
14) 1,2-Dichlorobenzene	6.63	146	16682	3.42	ng	97
15) Benzyl Alcohol	6.83	79	19168	4.54	ng	86
16) 2,2'-oxybis(1-Chloropropan	6.97	45	17235	2.44	ng	88
17) 2-Methylphenol	6.95	107	11954	3.07	ng	93
18) Hexachloroethane	7.20	117	6557	3.25	ng	98
19) n-Nitroso-di-n-propylamine	7.10	70	11430	2.97	ng	98
20) 3+4-Methylphenols	7.11	107	17950	3.84	ng	# 79
22) Acetophenone	7.10	105	24615	3.92	ng	96
24) Nitrobenzene	7.27	77	20565	4.13	ng	# 86
25) Isophorone	7.51	82	32215	3.53	ng	96
26) 2-Nitrophenol	7.59	139	8128	3.98	ng	# 87
27) 2,4-Dimethylphenol	7.63	122	13228	3.11	ng	# 85
28) bis(2-Chloroethoxy)methane	7.72	93	18993	3.19	ng	# 95
29) 2,4-Dichlorophenol	7.84	162	11689	3.40	ng	92
30) 1,2,4-Trichlorobenzene	7.92	180	13099	3.48	ng	94
31) Naphthalene	7.99	128	45913	3.60	ng	99
34) Hexachlorobutadiene	8.11	225	7106	3.52	ng	99
35) Caprolactam	8.36	113	3984	3.42	ng	92
36) 4-Chloro-3-methylphenol	8.52	107	13941	3.43	ng	89
37) 2-Methylnaphthalene	8.68	142	30613	3.73	ng	# 96
39) 1,2,4,5-Tetrachlorobenzene	8.84	216	12954	3.12	ng	# 1
42) 2,4,6-Trichlorophenol	8.96	196	8347	3.05	ng	98
43) 2,4,5-Trichlorophenol	9.00	196	9044	3.84	ng	94
45) 1,1'-Biphenyl	9.14	154	38560	3.73	ng	99
46) 2-Chloronaphthalene	9.16	162	30332	3.74	ng	99

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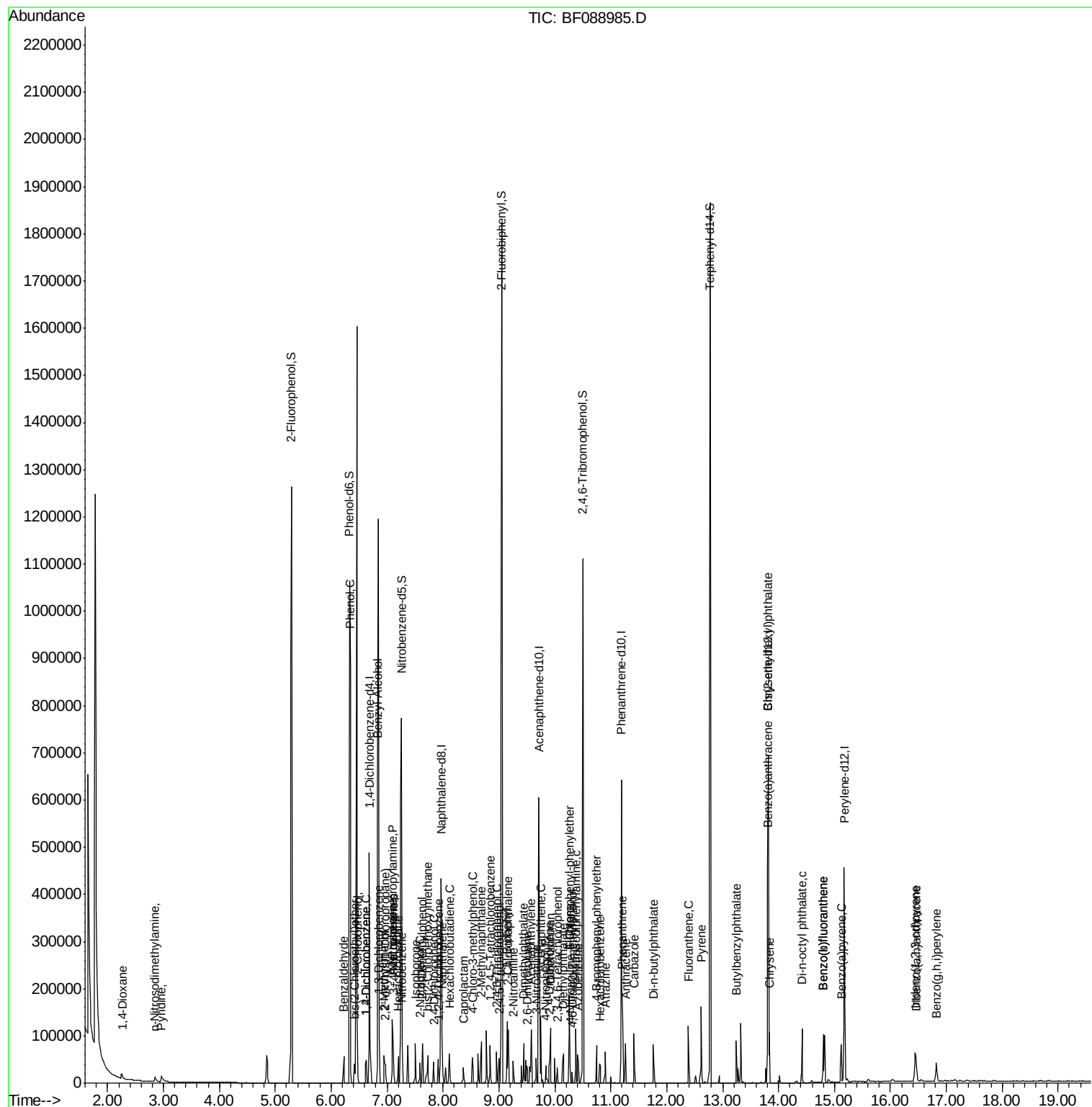
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) 2-Nitroaniline	9.26	65	8986	3.12	ng	87
48) Acenaphthylene	9.58	152	48851	3.78	ng	99
49) Dimethylphthalate	9.44	163	33146	3.73	ng	98
50) 2,6-Dinitrotoluene	9.51	165	6615	3.36	ng	95
51) Acenaphthene	9.75	154	29978	3.79	ng	97
52) 3-Nitroaniline	9.67	138	7927	3.16	ng	97
54) Dibenzofuran	9.92	168	44167	4.26	ng	92
55) 4-Nitrophenol	9.84	139	5539	2.91	ng	83
56) 2,4-Dinitrotoluene	9.91	165	9254	3.59	ng #	90
57) Fluorene	10.26	166	34381	4.31	ng	99
58) 2,3,4,6-Tetrachlorophenol	10.04	232	6304	3.46	ng #	47
59) Diethylphthalate	10.15	149	34157	3.83	ng	96
60) 4-Chlorophenyl-phenylether	10.26	204	14503	3.91	ng #	88
61) 4-Nitroaniline	10.27	138	7470	3.10	ng	91
62) Azobenzene	10.41	77	36793	3.61	ng	90
64) 4,6-Dinitro-2-methylphenol	10.31	198	2752	2.12	ng	86
65) n-Nitrosodiphenylamine	10.38	169	30534	3.72	ng	99
66) 4-Bromophenyl-phenylether	10.74	248	8676	3.55	ng #	77
67) Hexachlorobenzene	10.81	284	8158	3.01	ng #	80
68) Atrazine	10.90	200	9255	3.62	ng	96
70) Phenanthrene	11.21	178	50947	3.84	ng	98
71) Anthracene	11.27	178	49320	3.74	ng	99
72) Carbazole	11.42	167	45202	3.64	ng	98
73) Di-n-butylphthalate	11.76	149	50887	3.52	ng #	98
74) Fluoranthene	12.39	202	51155	3.80	ng	97
77) Pyrene	12.62	202	55234	2.85	ng	97
79) Butylbenzylphthalate	13.25	149	22078	2.55	ng #	65
80) Benzo(a)anthracene	13.81	228	44903	3.05	ng	98
82) Chrysene	13.84	228	42786	2.93	ng	95
83) Bis(2-ethylhexyl)phthalate	13.82	149	31151	3.15	ng #	99
84) Di-n-octyl phthalate	14.42	149	54297	3.23	ng #	100
85) Indeno(1,2,3-cd)pyrene	16.45	276	33598	2.99	ng #	100
87) Benzo(b)fluoranthene	14.80	252	76989	6.72	ng #	97
88) Benzo(k)fluoranthene	14.80	252	76989	7.72	ng #	95
89) Benzo(a)pyrene	15.12	252	34963	3.60	ng	96
90) Dibenzo(a,h)anthracene	16.46	278	27531	3.40	ng	99
91) Benzo(g,h,i)perylene	16.82	276	27822	3.32	ng	96

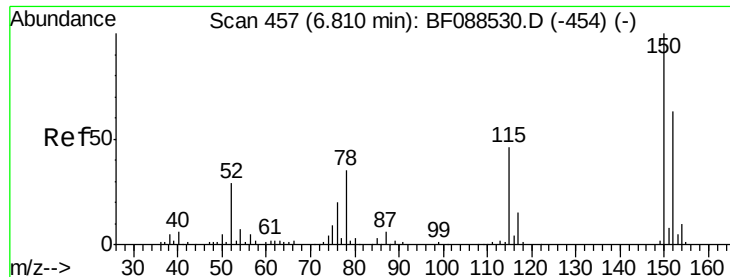
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF088985.D

Acq: 14 Jul 2016 14:21

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

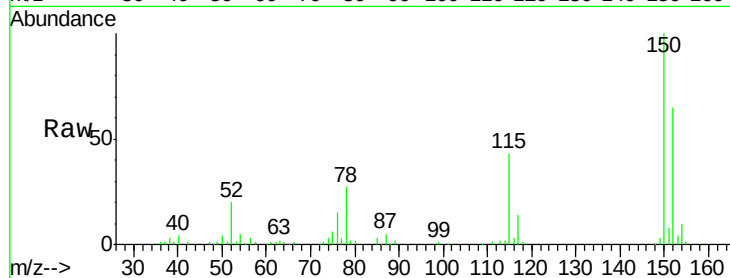
Tgt Ion:152 Resp: 66510

Ion Ratio Lower Upper

152 100

150 154.9 123.8 185.6

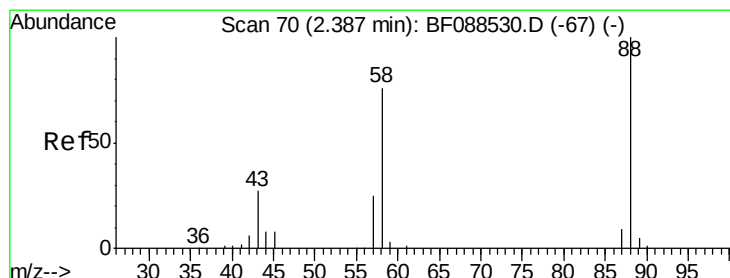
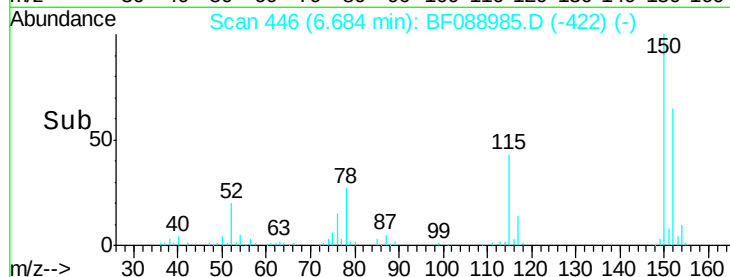
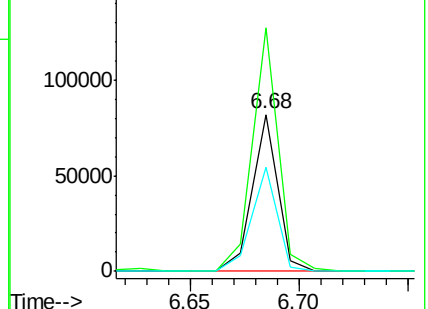
115 66.3 39.6 59.4#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 2.92 ng

RT: 2.26 min Scan# 59

Delta R.T. 0.05 min

Lab File: BF088985.D

Acq: 14 Jul 2016 14:21

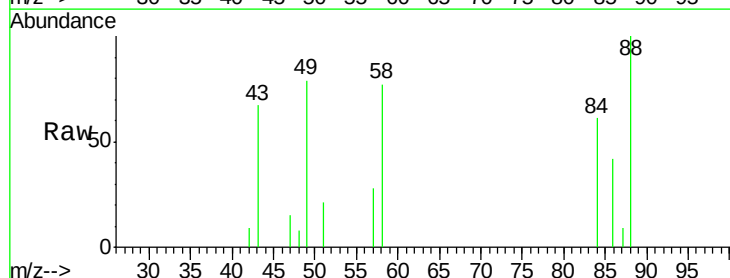
Tgt Ion: 88 Resp: 6433

Ion Ratio Lower Upper

88 100

58 70.5 0.0 0.0#

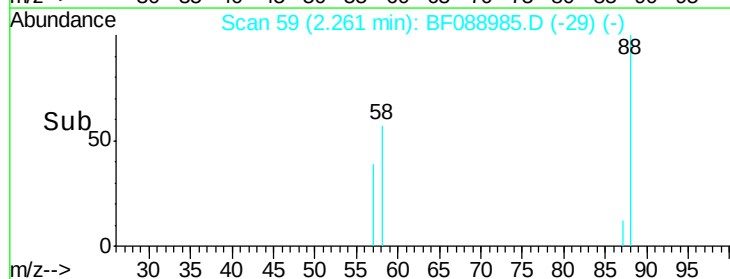
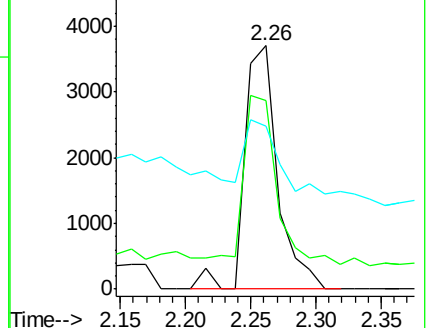
43 43.0 3.4 5.2#

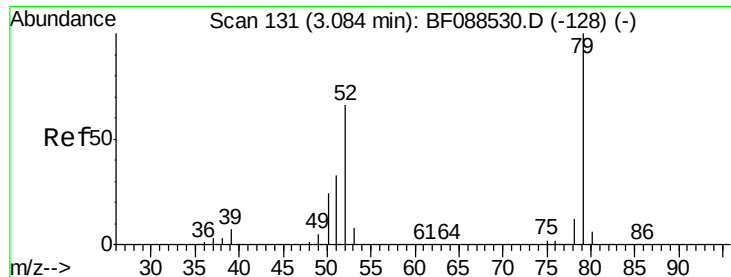


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#3

Pyridine

Concen: 2.21 ng

RT: 2.96 min Scan# 120

Delta R.T. 0.08 min

Lab File: BF088985.D

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Instrument :

BNA_F

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LOD-SOIL2016-01

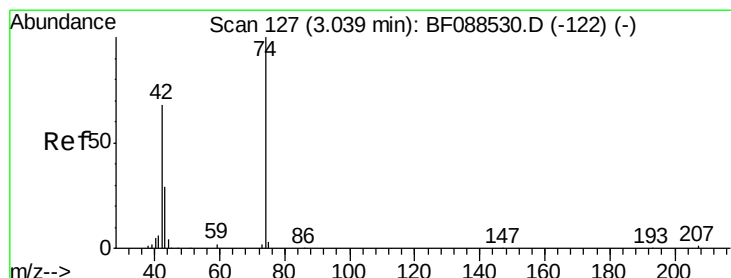
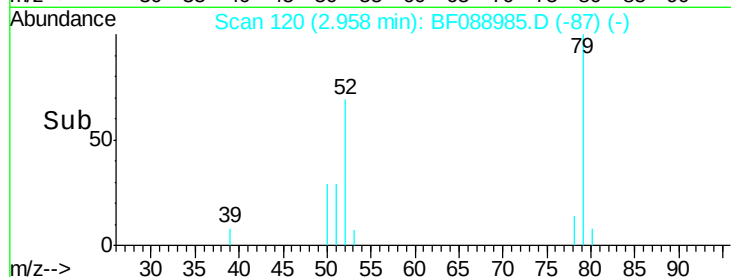
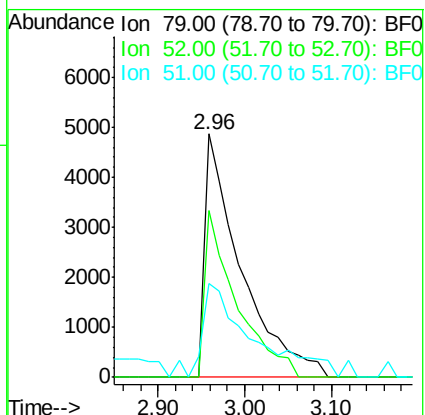
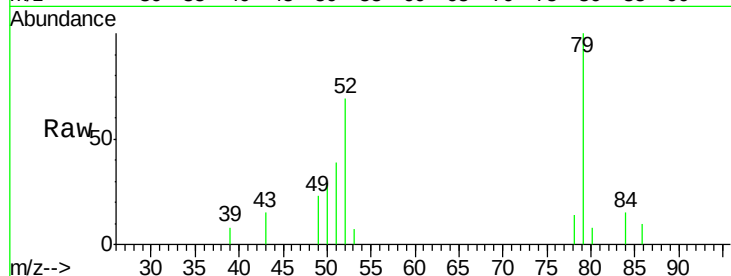
Tgt Ion: 79 Resp: 14078

Ion Ratio Lower Upper

79 100

52 68.6 56.3 84.5

51 38.6 27.4 41.2



#4

n-Nitrosodimethylamine

Concen: 2.59 ng

RT: 2.84 min Scan# 110

Delta R.T. 0.01 min

Lab File: BF088985.D

Acq: 14 Jul 2016 14:21

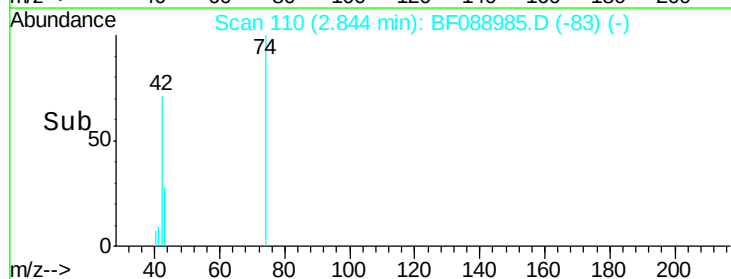
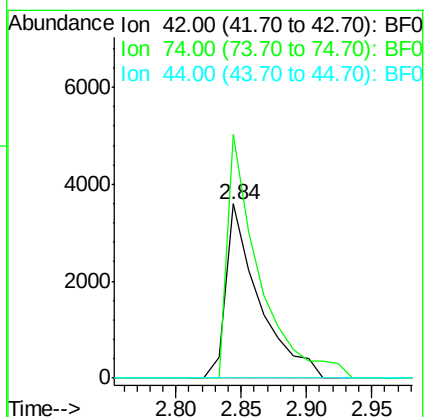
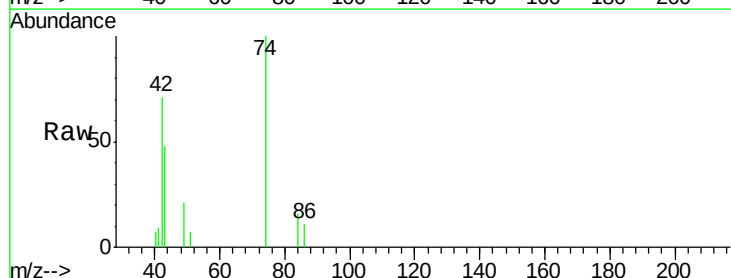
Tgt Ion: 42 Resp: 6326

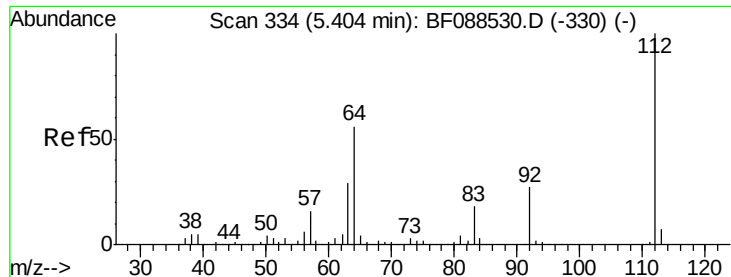
Ion Ratio Lower Upper

42 100

74 139.9 108.6 163.0

44 0.0 5.5 8.3#





#5

2-Fluorophenol

Concen: 99.63 ng

RT: 5.29 min Scan# 324

Delta R.T. 0.00 min

Lab File: BF088985.D

Acq: 14 Jul 2016 14:21

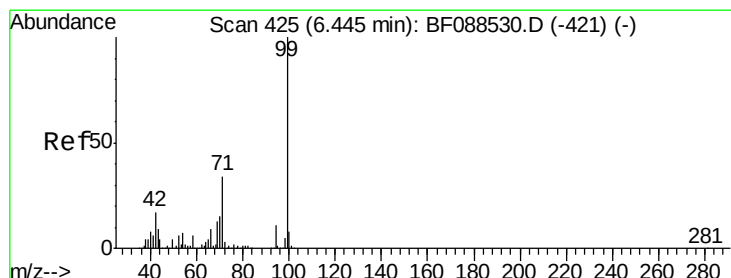
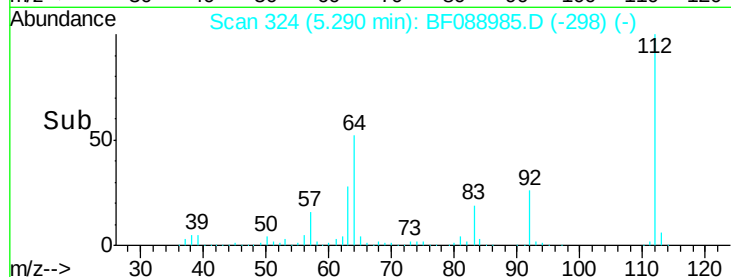
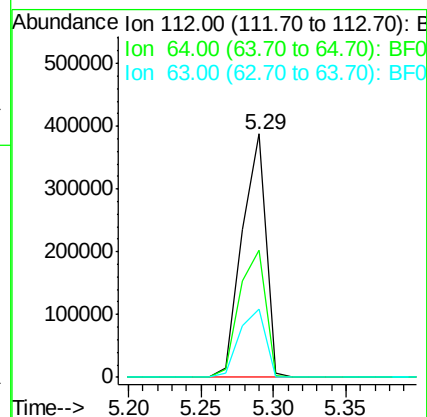
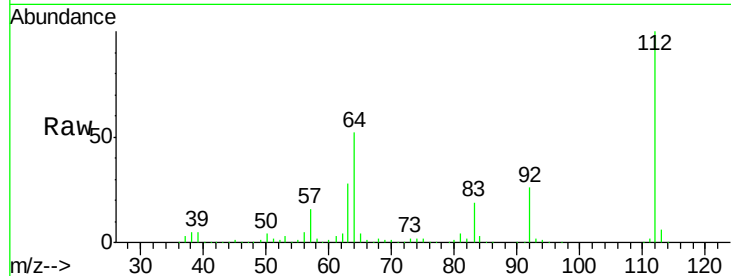
Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

Tgt Ion:	112	Resp:	442146
Ion	Ratio	Lower	Upper
112	100		
64	52.1	42.2	63.2
63	27.9	21.8	32.8



#7

Phenol-d6

Concen: 94.01 ng

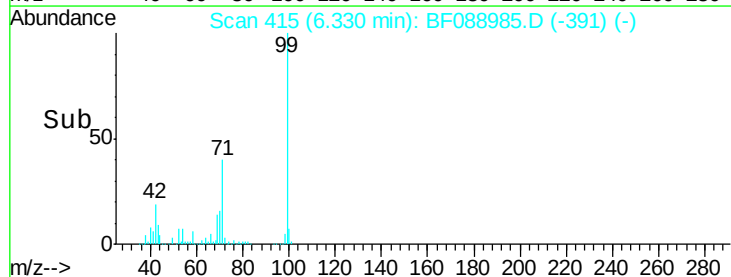
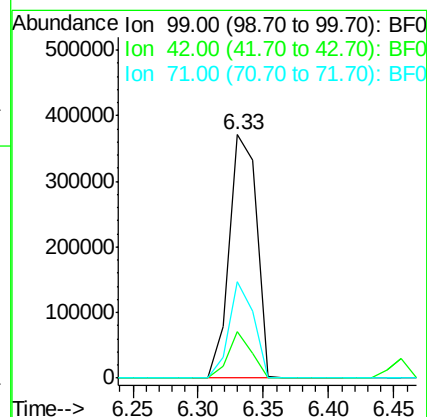
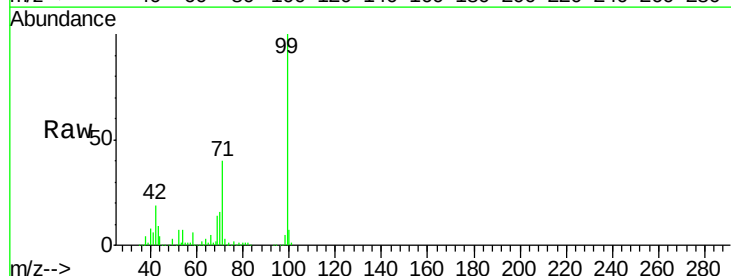
RT: 6.33 min Scan# 415

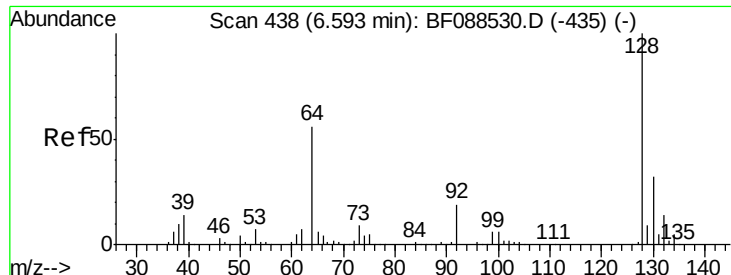
Delta R.T. -0.02 min

Lab File: BF088985.D

Acq: 14 Jul 2016 14:21

Tgt Ion:	99	Resp:	539057
Ion	Ratio	Lower	Upper
99	100		
42	19.3	12.2	18.2#
71	39.6	23.4	35.0#





#8

2-Chlorophenol

Concen: 3.55 ng

RT: 6.47 min Scan# 427

Delta R.T. -0.02 min

Lab File: BF088985.D

Acq: 14 Jul 2016 14:21

Instrument :

BNA_F

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LOD-SOIL2016-01

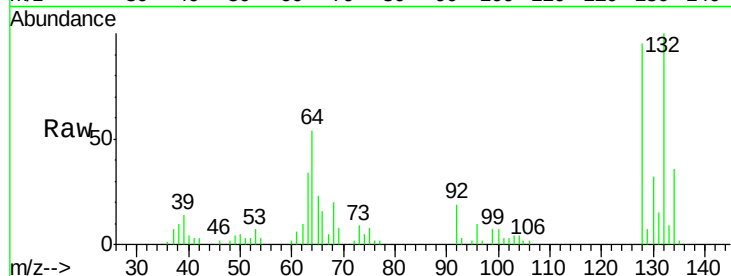
Tgt Ion:128 Resp: 16920

Ion Ratio Lower Upper

128 100

130 33.1 12.0 52.0

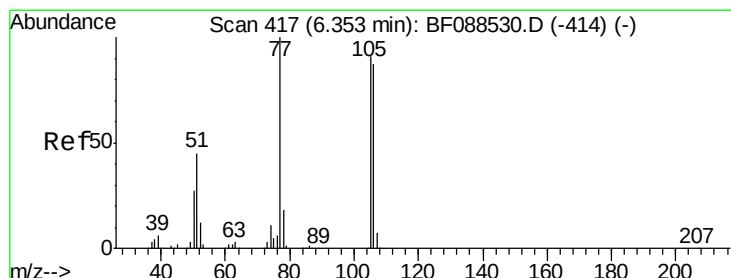
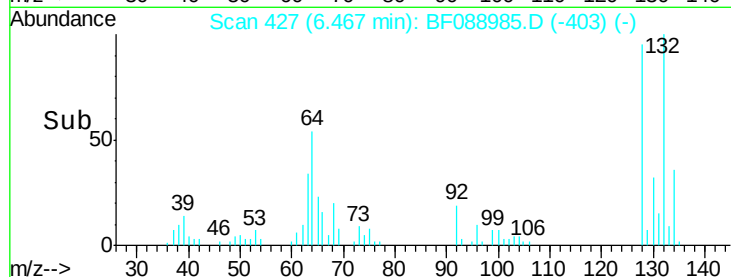
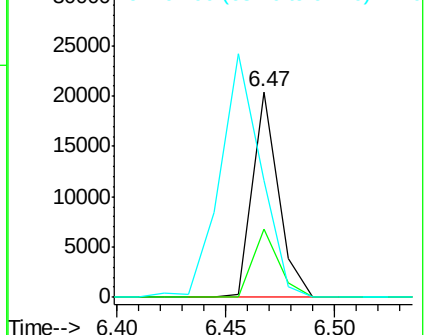
64 56.7 30.8 70.8



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0



#9

Benzaldehyde

Concen: 3.41 ng

RT: 6.23 min Scan# 406

Delta R.T. -0.02 min

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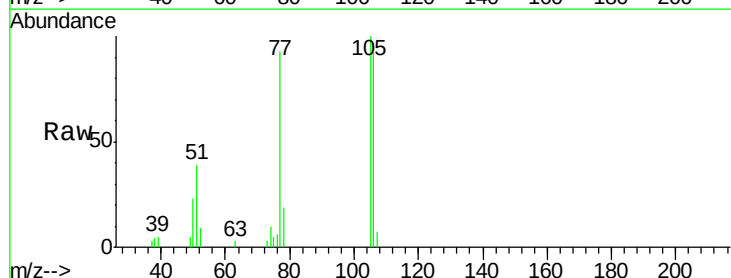
Tgt Ion: 77 Resp: 13254

Ion Ratio Lower Upper

77 100

105 108.0 90.6 130.6

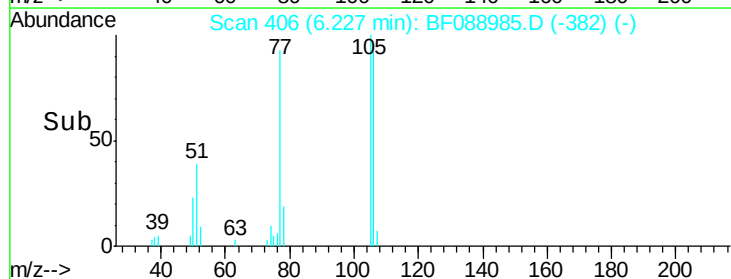
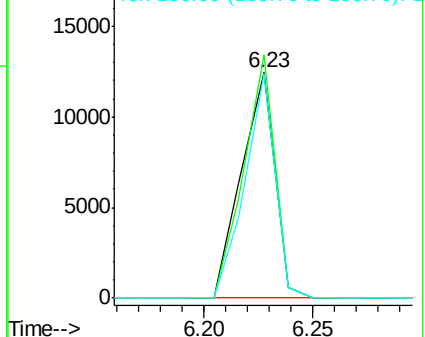
106 99.4 85.3 125.3

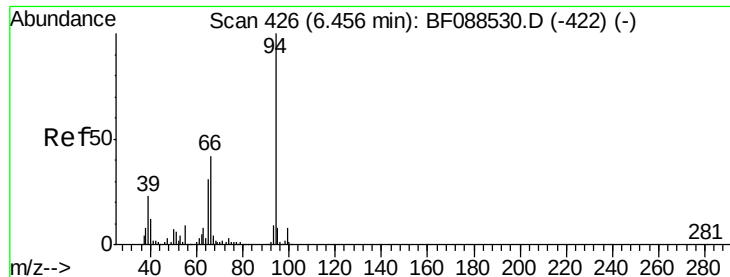


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

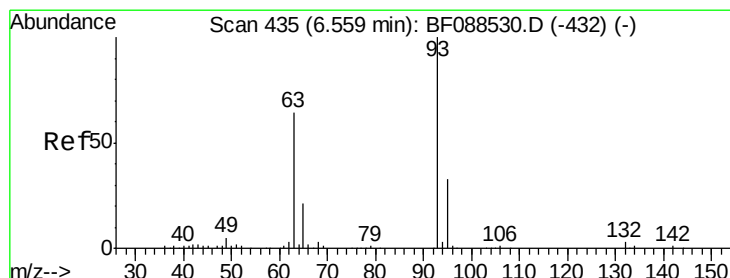
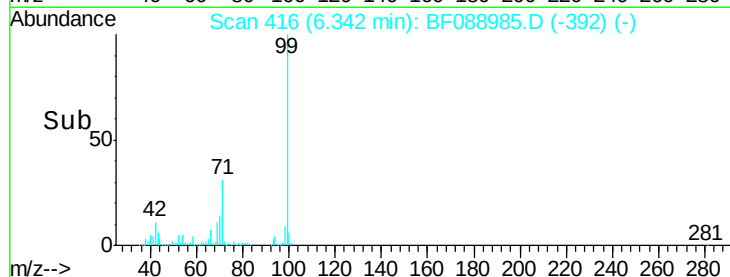
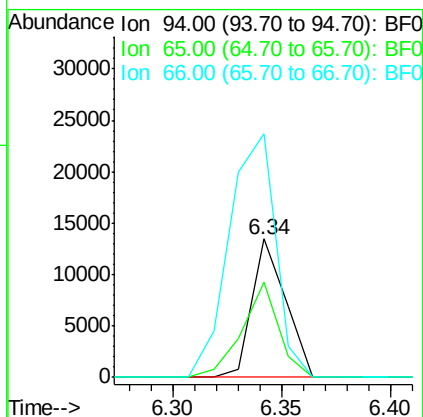
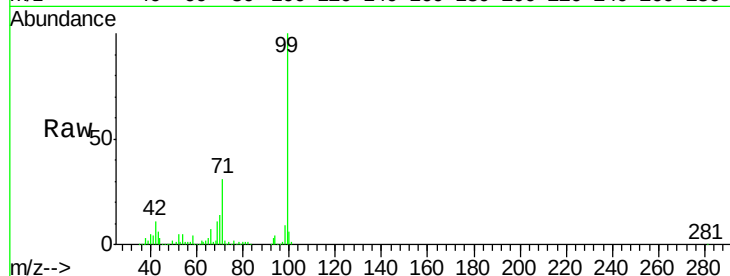




#10
Phenol
Concen: 2.21 ng
RT: 6.34 min Scan# 416
Delta R.T. -0.02 min
Lab File: BF088985.D
Acq: 14 Jul 2016 14:21

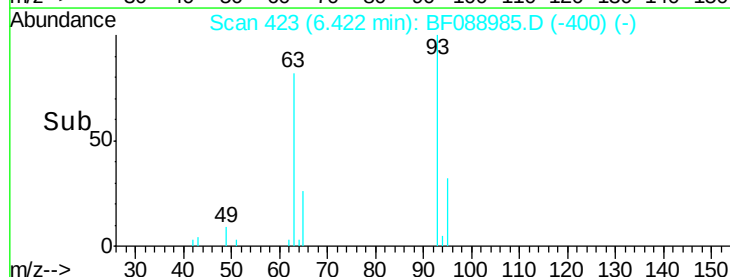
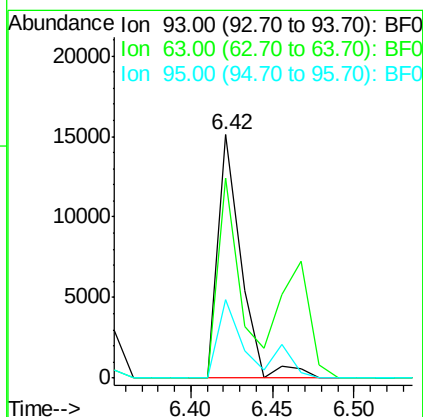
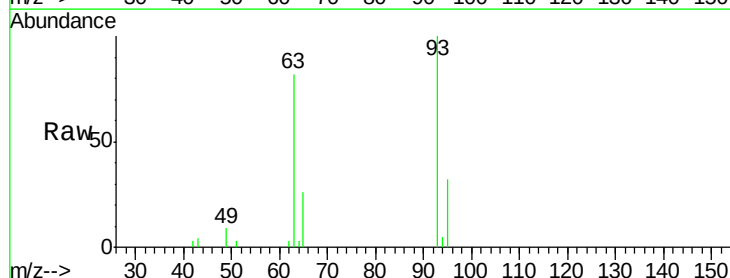
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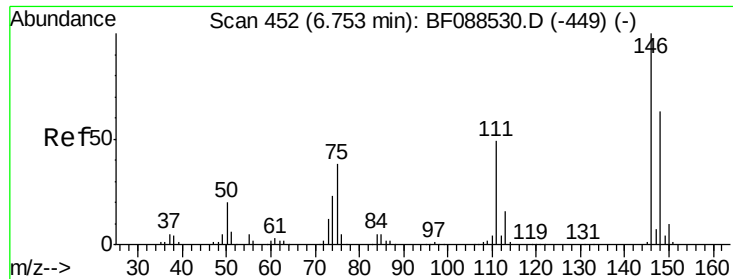
Tgt Ion: 94 Resp: 14472
Ion Ratio Lower Upper
94 100
65 68.4 5.9 45.9#
66 176.3 14.0 54.0#



#11
bis(2-Chloroethyl)ether
Concen: 3.07 ng
RT: 6.42 min Scan# 423
Delta R.T. -0.03 min
Lab File: BF088985.D
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Tgt Ion: 93 Resp: 14988
Ion Ratio Lower Upper
93 100
63 82.0 67.6 107.6
95 32.1 12.5 52.5

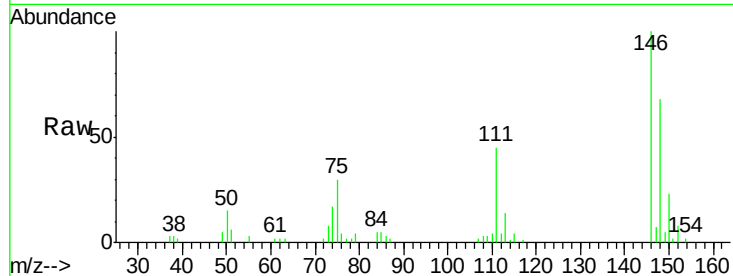




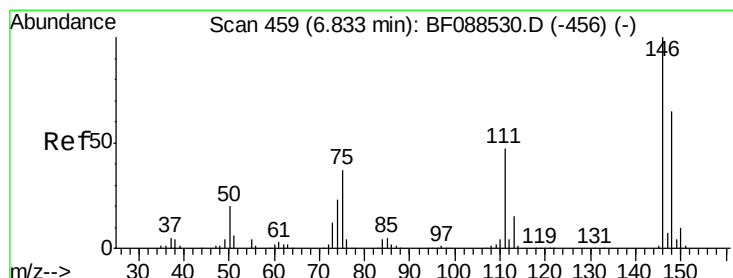
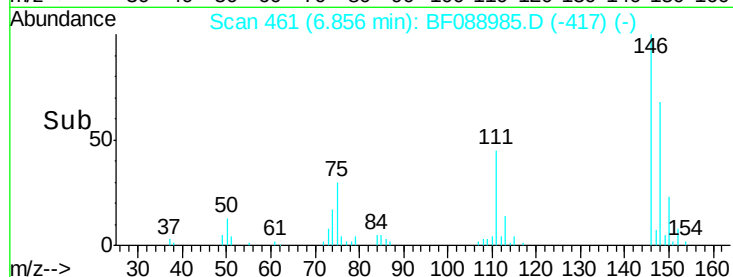
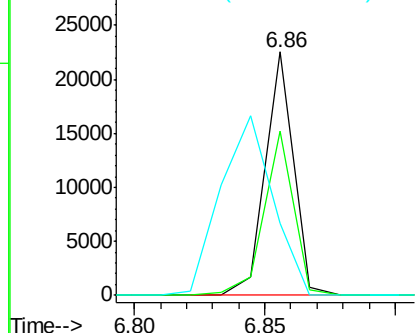
#12
 1,3-Dichlorobenzene
 Concen: 3.27 ng
 RT: 6.86 min Scan# 461
 Delta R.T. 0.21 min
 Lab File: BF088985.D
 Acq: 14 Jul 2016 14:21

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01

Tgt Ion:146 Resp: 17137
 Ion Ratio Lower Upper
 146 100
 148 67.6 50.9 76.3
 75 29.8 25.6 38.4

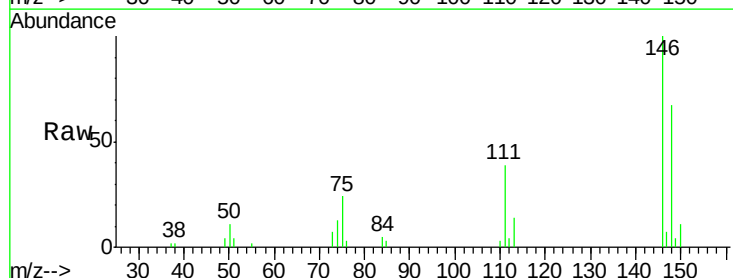


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 75.00 (74.70 to 75.70): BF0

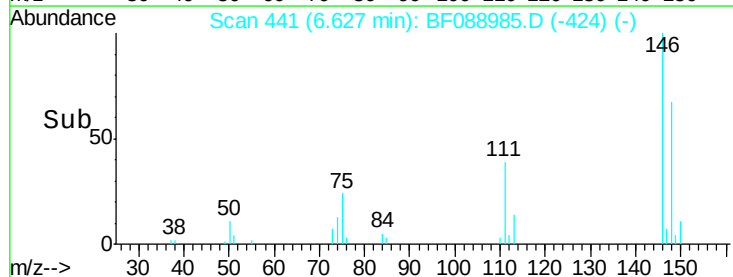
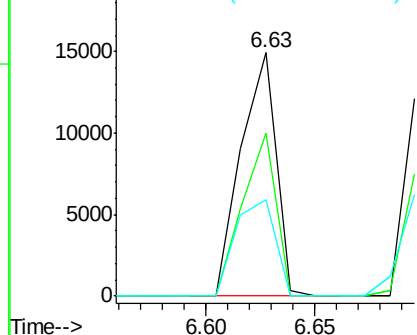


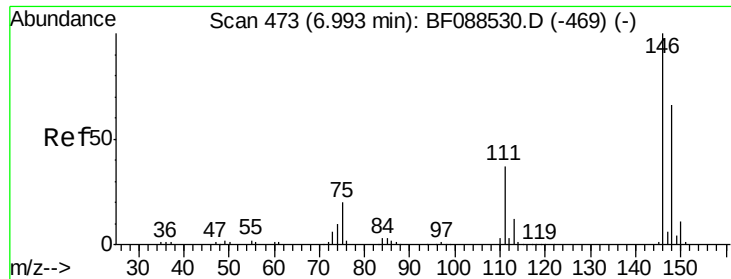
#13
 1,4-Dichlorobenzene
 Concen: 3.20 ng
 RT: 6.63 min Scan# 441
 Delta R.T. -0.10 min
 Lab File: BF088985.D
 Acq: 14 Jul 2016 14:21

Tgt Ion:146 Resp: 16682
 Ion Ratio Lower Upper
 146 100
 148 66.9 52.0 78.0
 111 39.4 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

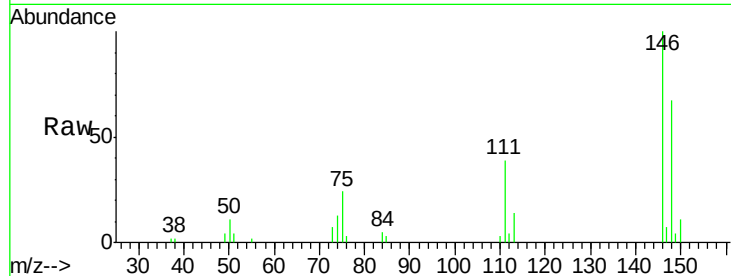




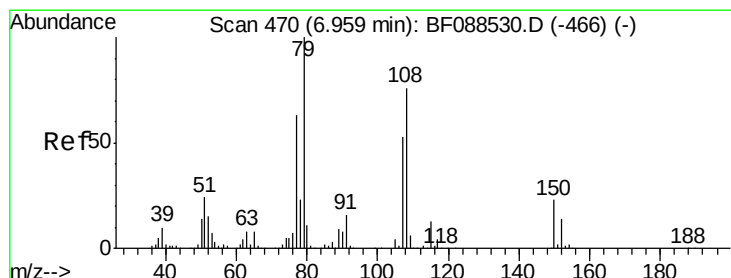
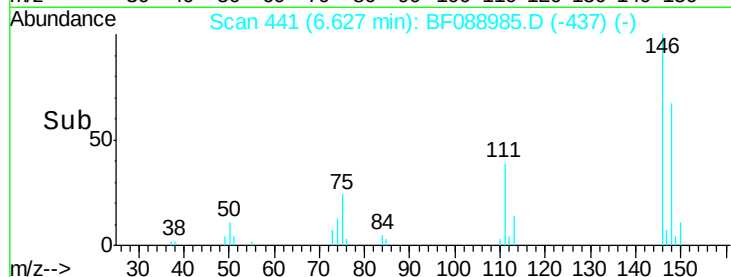
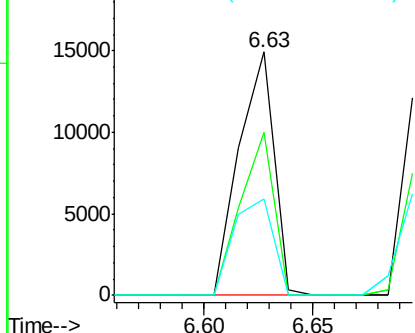
#14
 1,2-Dichlorobenzene
 Concen: 3.42 ng
 RT: 6.63 min Scan# 441
 Delta R.T. -0.25 min
 Lab File: BF088985.D
 Acq: 14 Jul 2016 14:21

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01

Tgt Ion: 146 Resp: 16682
 Ion Ratio Lower Upper
 146 100
 148 66.9 52.3 78.5
 111 39.4 28.7 43.1

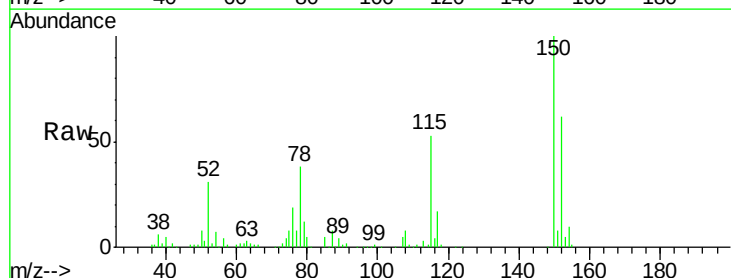


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

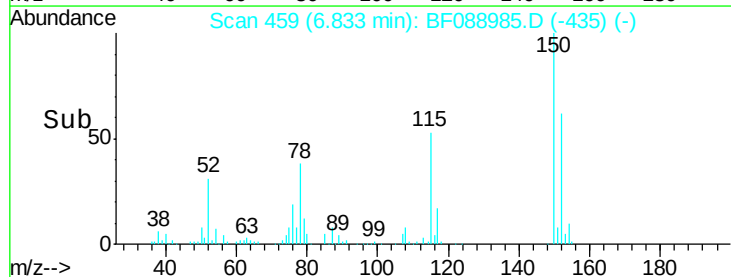
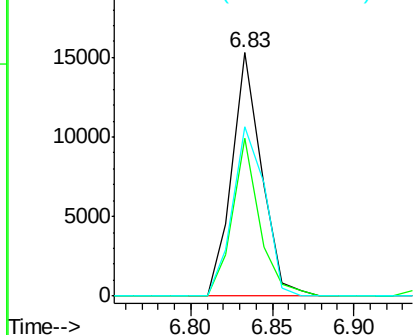


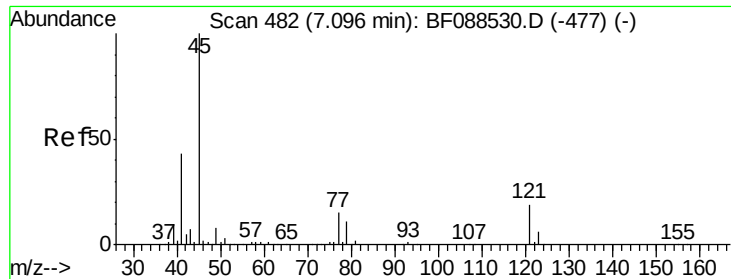
#15
 Benzyl Alcohol
 Concen: 4.54 ng
 RT: 6.83 min Scan# 459
 Delta R.T. -0.02 min
 Lab File: BF088985.D
 Acq: 14 Jul 2016 14:21

Tgt Ion: 79 Resp: 19168
 Ion Ratio Lower Upper
 79 100
 108 65.1 65.0 97.6
 77 69.8 50.3 75.5



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

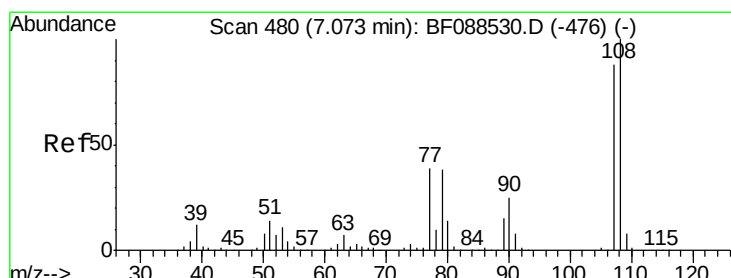
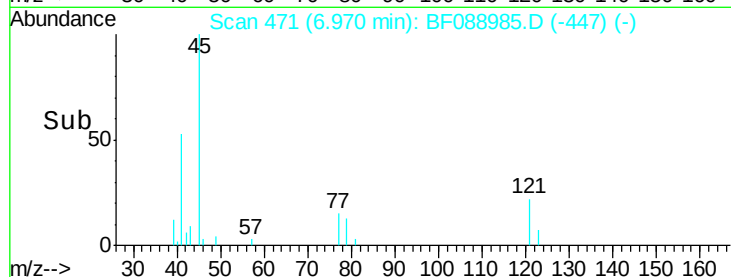
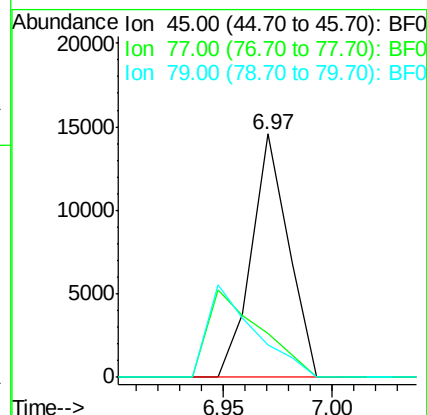
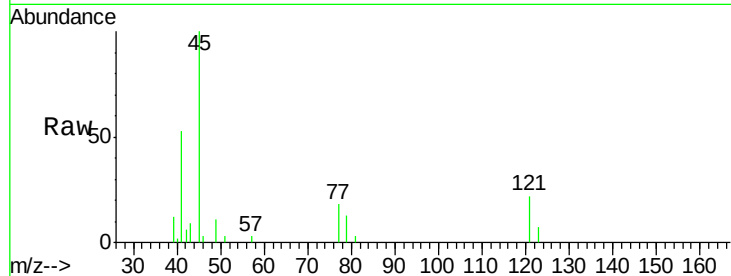




#16
 2,2'-oxybis(1-Chloropropane)
 Concen: 2.44 ng
 RT: 6.97 min Scan# 471
 Delta R.T. -0.02 min
 Lab File: BF088985.D
 Acq: 14 Jul 2016 14:21

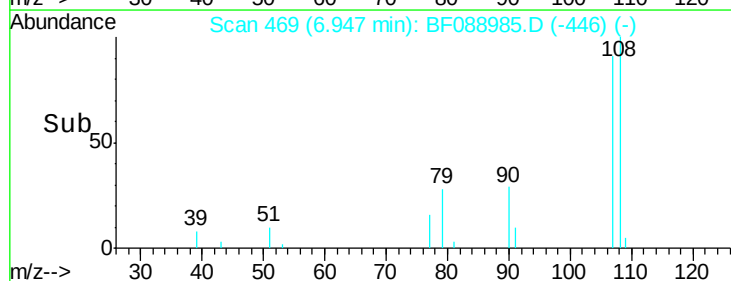
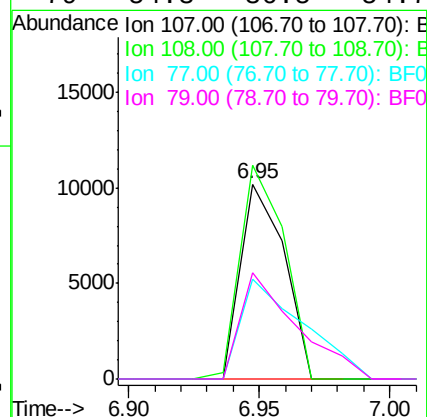
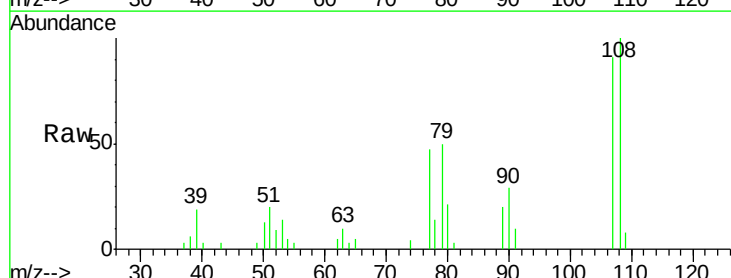
Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01

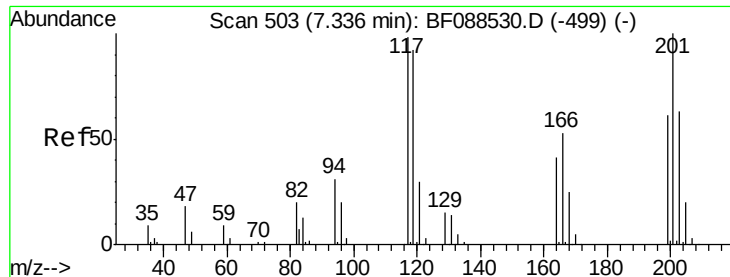
Tgt Ion: 45 Resp: 17235
 Ion Ratio Lower Upper
 45 100
 77 18.0 0.0 32.5
 79 13.2 0.0 29.5



#17
 2-Methylphenol
 Concen: 3.07 ng
 RT: 6.95 min Scan# 469
 Delta R.T. -0.03 min
 Lab File: BF088985.D
 Acq: 14 Jul 2016 14:21

Tgt Ion: 107 Resp: 11954
 Ion Ratio Lower Upper
 107 100
 108 109.7 90.9 136.3
 77 51.3 36.6 55.0
 79 54.3 36.5 54.7

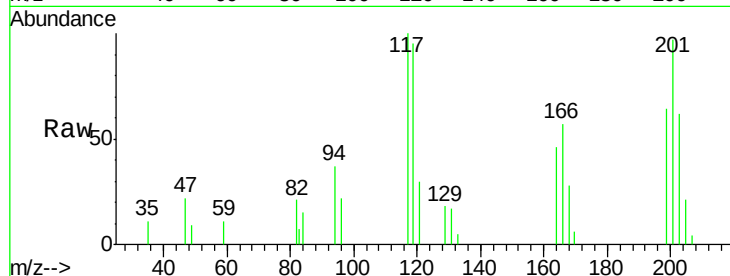




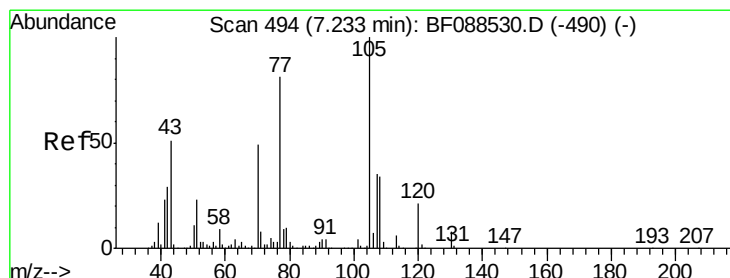
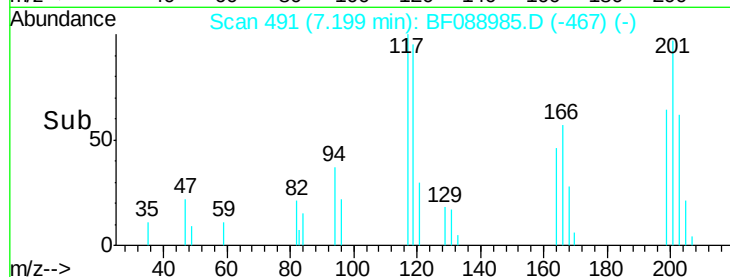
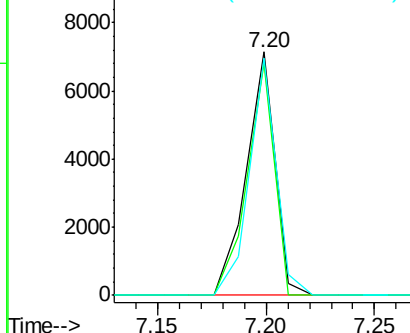
#18
Hexachloroethane
Concen: 3.25 ng
RT: 7.20 min Scan# 491
Delta R.T. -0.02 min
Lab File: BF088985.D
Acq: 14 Jul 2016 14:21

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2016-01

Tgt Ion: 117 Resp: 6557
Ion Ratio Lower Upper
117 100
119 95.5 77.4 116.2
201 97.3 80.4 120.6



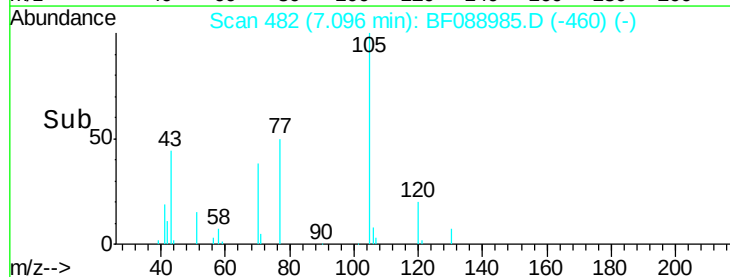
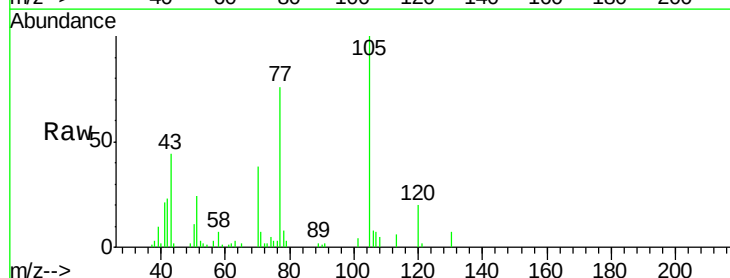
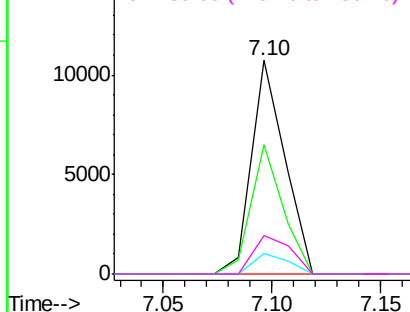
Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

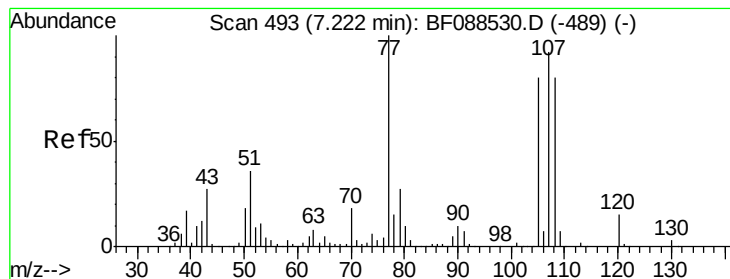


#19
n-Nitroso-di-n-propylamine
Concen: 2.97 ng
RT: 7.10 min Scan# 482
Delta R.T. -0.05 min
Lab File: BF088985.D
Acq: 14 Jul 2016 14:21

Tgt Ion: 70 Resp: 11430
Ion Ratio Lower Upper
70 100
42 60.3 49.6 74.4
101 9.5 7.1 10.7
130 18.0 15.4 23.2

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





#20

3+4-Methylphenols

Concen: 3.84 ng

RT: 7.11 min Scan# 483

Delta R.T. -0.02 min

Lab File: BF088985.D

Acq: 14 Jul 2016 14:21

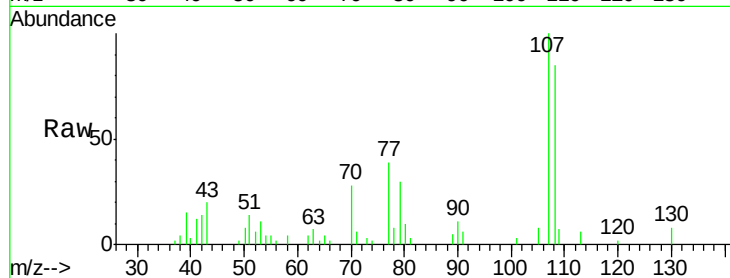
Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

Tgt Ion:	107	Resp:	17950
Ion	Ratio	Lower	Upper
107	100		
108	85.1	67.8	107.8
77	38.8	59.3	99.3#
79	29.7	7.0	47.0



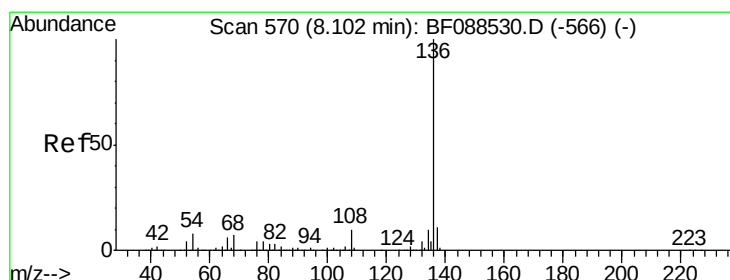
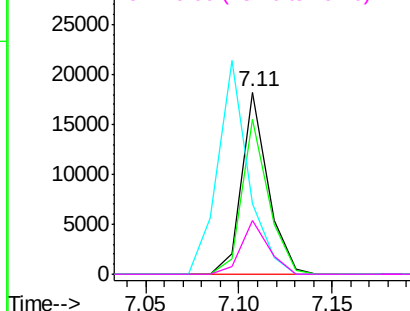
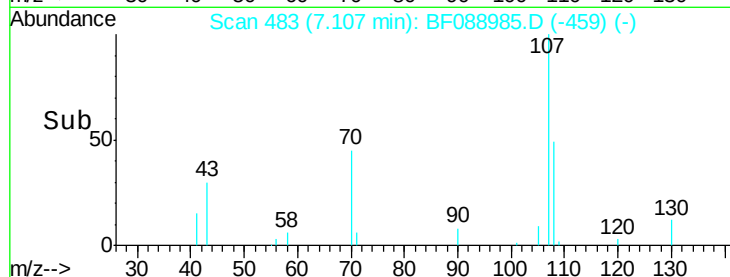
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

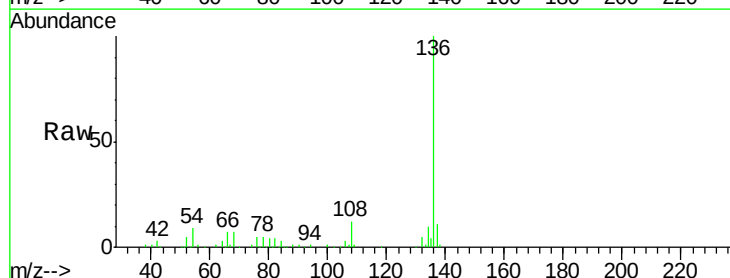
RT: 7.96 min Scan# 558

Delta R.T. -0.03 min

Lab File: BF088985.D

Acq: 14 Jul 2016 14:21

Tgt Ion:	136	Resp:	258538
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.1	13.7
54	9.1	6.6	10.0
68	6.9	5.1	7.7



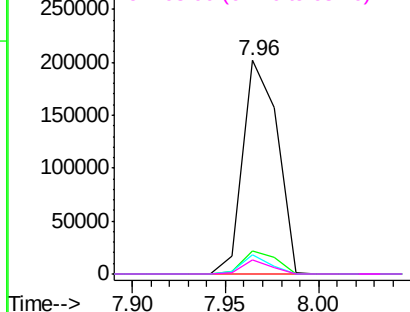
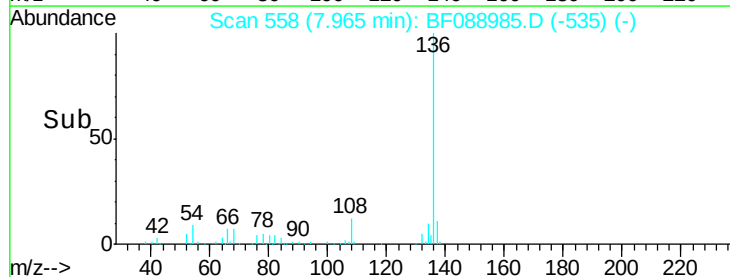
Abundance

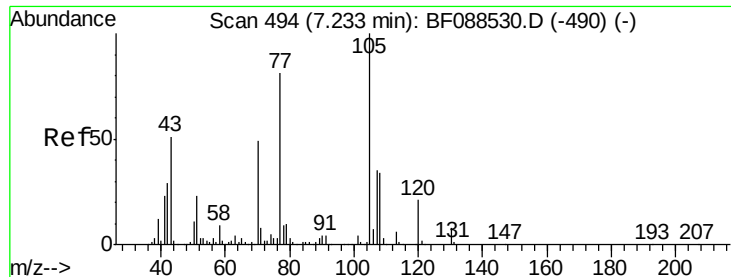
Ion 136.00 (135.70 to 136.70): E

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: 3.92 ng

RT: 7.10 min Scan# 482

Delta R.T. -0.03 min

Lab File: BF088985.D

Acq: 14 Jul 2016 14:21

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

Tgt Ion: 105 Resp: 24615

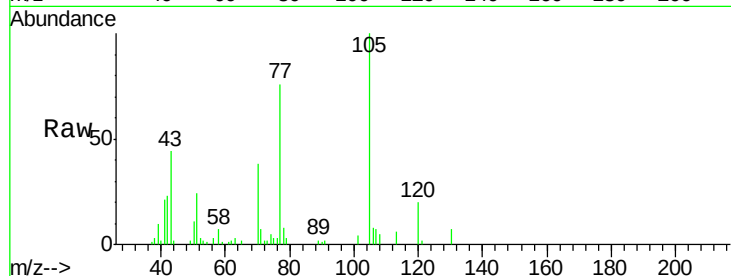
Ion Ratio Lower Upper

105 100

71 6.8 5.3 7.9

51 24.5 18.2 27.4

120 19.8 18.0 27.0

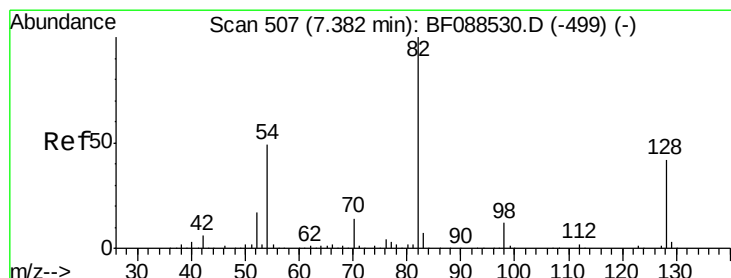
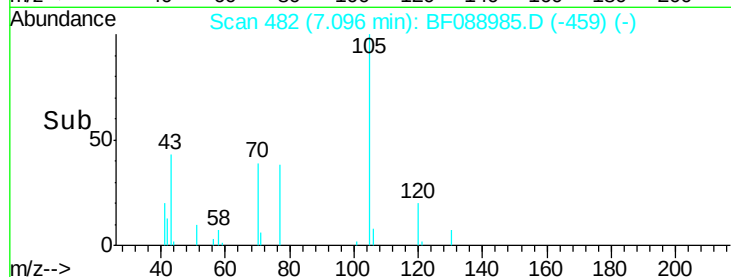
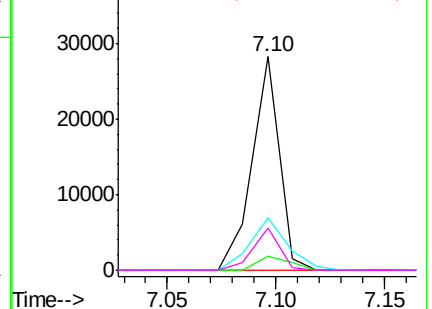


Abundance Ion 105.00 (104.70 to 105.70): E

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: 72.42 ng

RT: 7.26 min Scan# 496

Delta R.T. -0.02 min

Lab File: BF088985.D

Acq: 14 Jul 2016 14:21

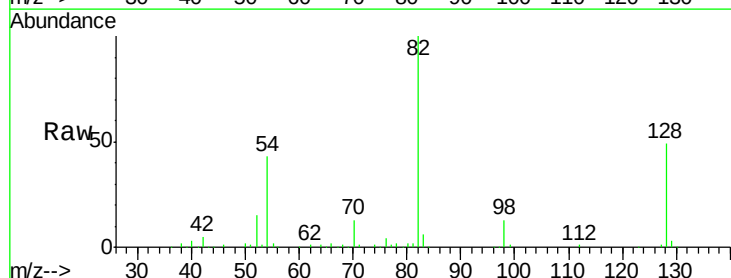
Tgt Ion: 82 Resp: 357291

Ion Ratio Lower Upper

82 100

128 48.8 35.9 53.9

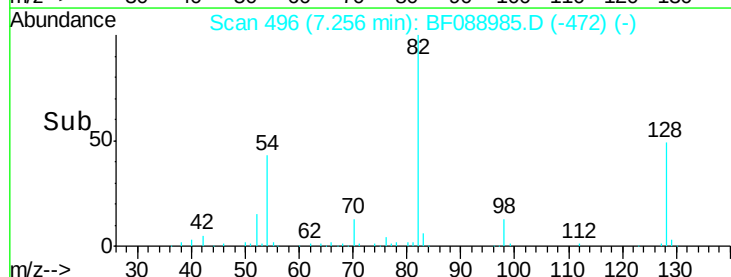
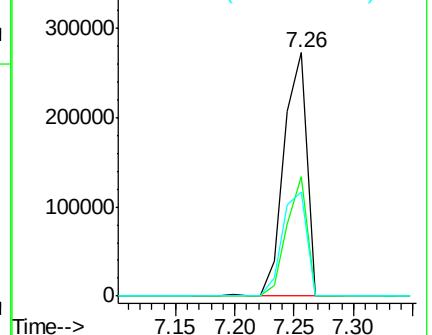
54 42.5 40.9 61.3

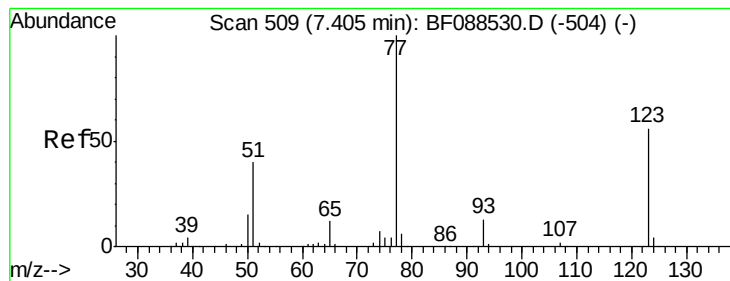


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#24

Nitrobenzene

Concen: 4.13 ng

RT: 7.27 min Scan# 497

Delta R.T. -0.03 min

Lab File: BF088985.D

Acq: 14 Jul 2016 14:21

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

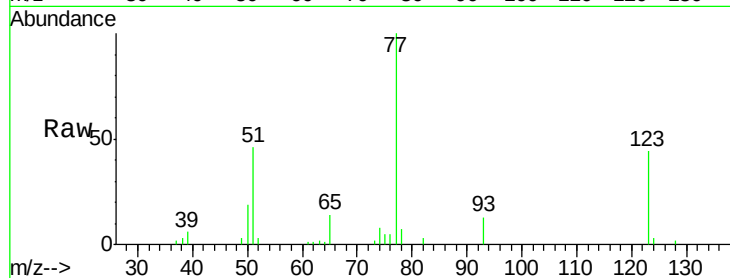
Tgt Ion: 77 Resp: 20565

Ion Ratio Lower Upper

77 100

123 44.2 45.0 67.4#

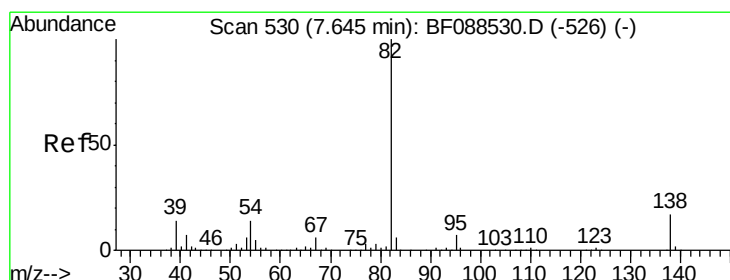
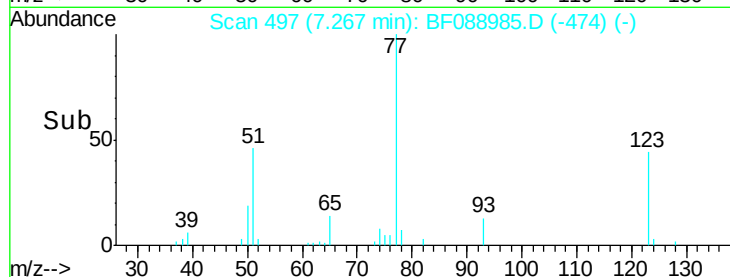
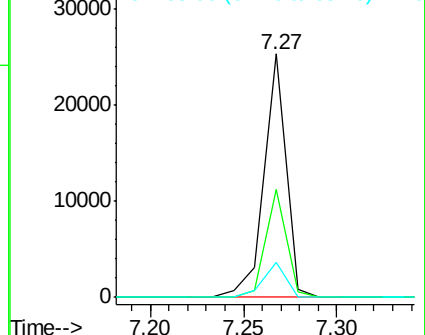
65 14.2 10.2 15.2



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 123.00 (122.70 to 123.70): BF0

Ion 65.00 (64.70 to 65.70): BF0



#25

Isophorone

Concen: 3.53 ng

RT: 7.51 min Scan# 518

Delta R.T. -0.03 min

Lab File: BF088985.D

Acq: 14 Jul 2016 14:21

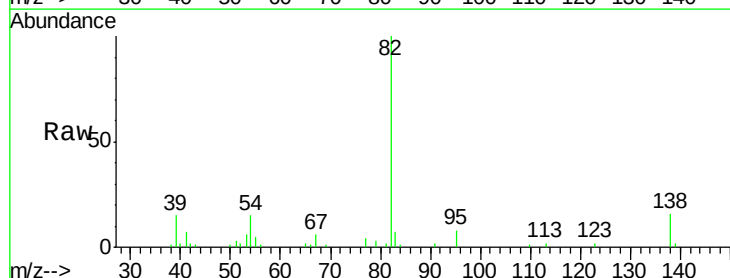
Tgt Ion: 82 Resp: 32215

Ion Ratio Lower Upper

82 100

95 7.8 5.4 8.2

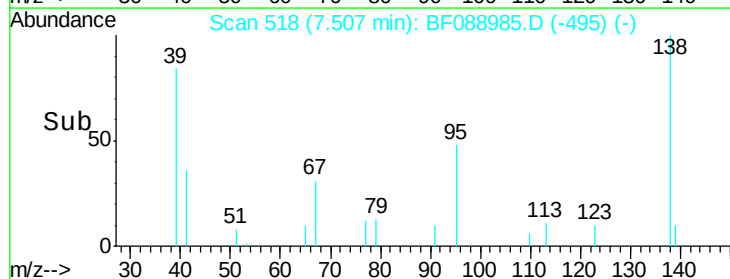
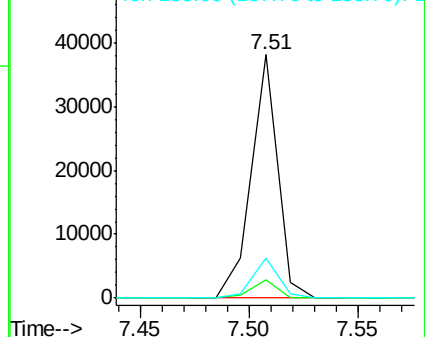
138 16.3 14.6 21.8

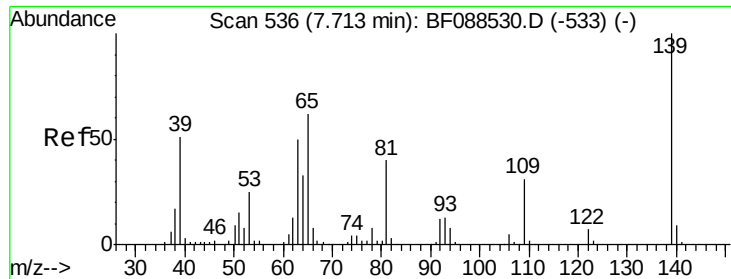


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0

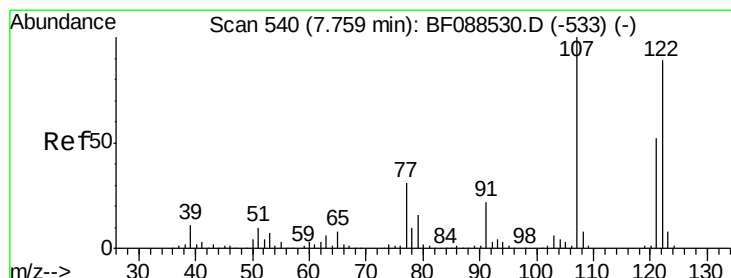
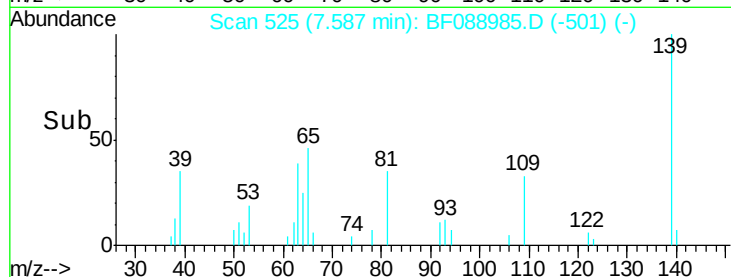
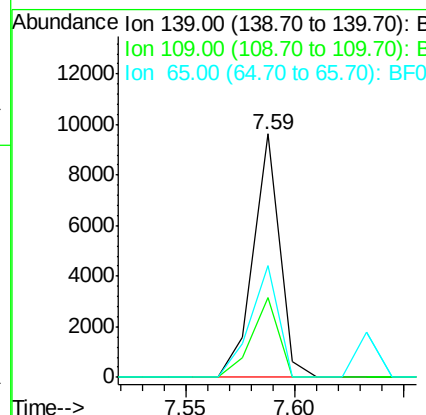
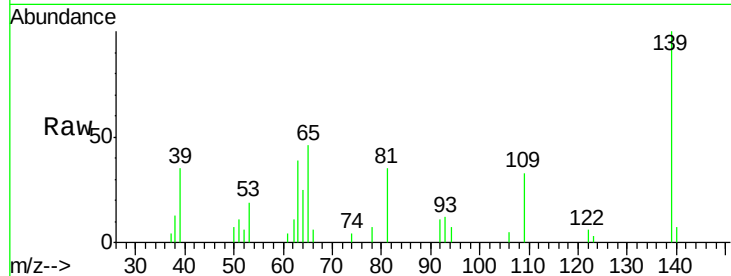




#26
2-Nitrophenol
Concen: 3.98 ng
RT: 7.59 min Scan# 525
Delta R.T. -0.02 min
Lab File: BF088985.D
Acq: 14 Jul 2016 14:21

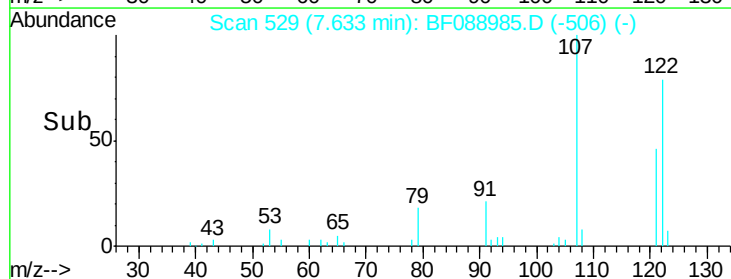
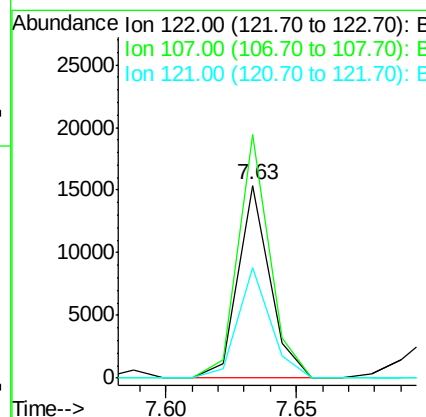
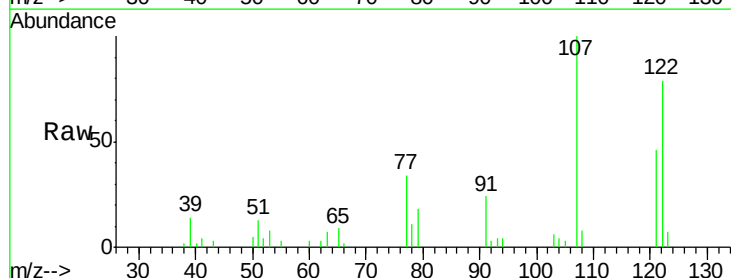
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2016-01

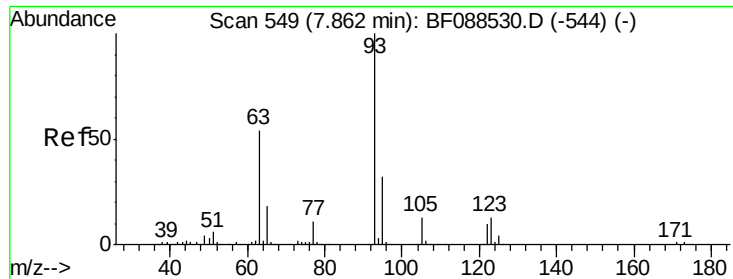
Tgt Ion:139 Resp: 8128
Ion Ratio Lower Upper
139 100
109 32.7 23.0 34.4
65 45.8 45.8 68.8#



#27
2,4-Dimethylphenol
Concen: 3.11 ng
RT: 7.63 min Scan# 529
Delta R.T. -0.03 min
Lab File: BF088985.D
Acq: 14 Jul 2016 14:21

Tgt Ion:122 Resp: 13228
Ion Ratio Lower Upper
122 100
107 126.2 82.4 123.6#
121 57.6 46.3 69.5

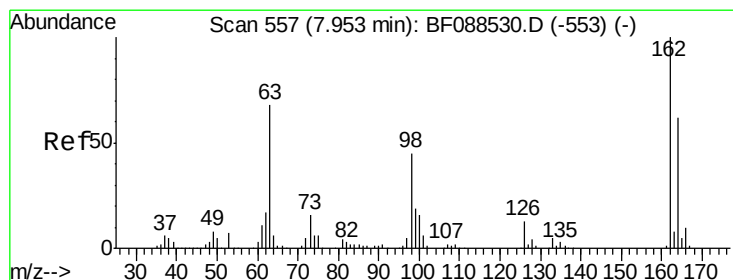
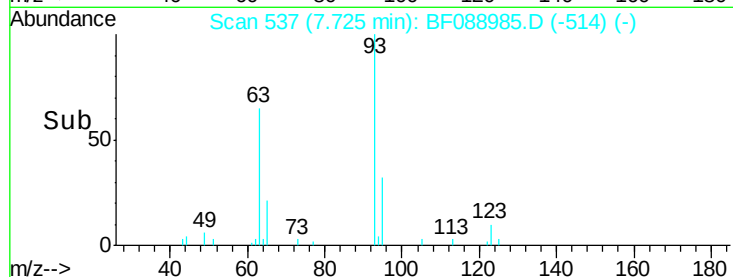
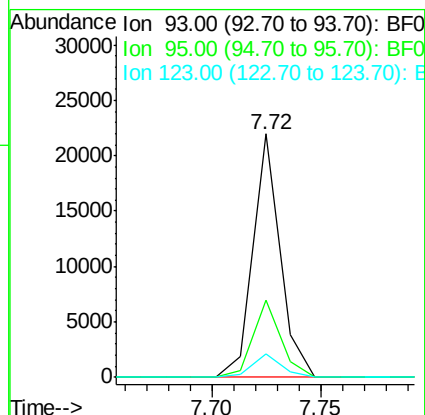
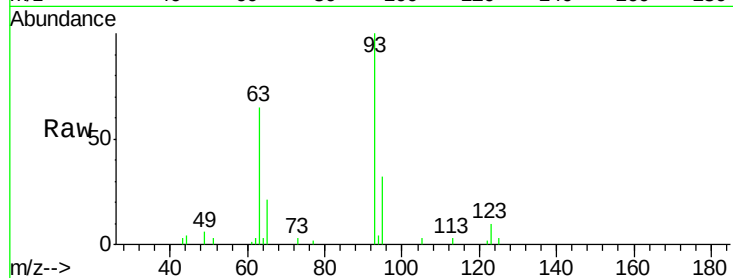




#28
bis(2-Chloroethoxy)methane
Concen: 3.19 ng
RT: 7.72 min Scan# 537
Delta R.T. -0.03 min
Lab File: BF088985.D
Acq: 14 Jul 2016 14:21

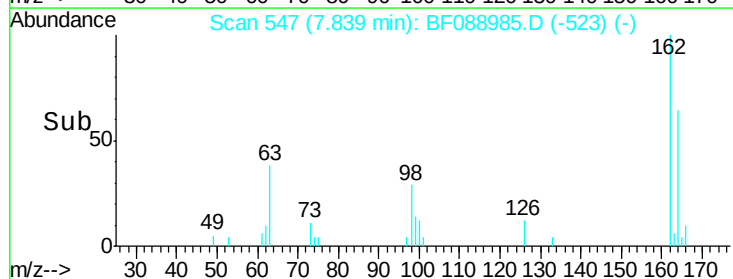
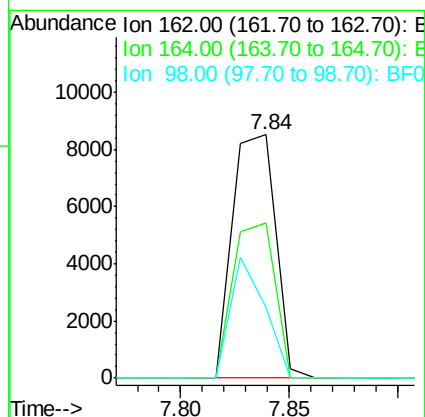
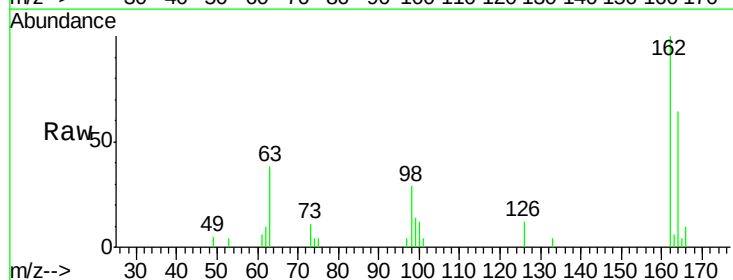
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2016-01

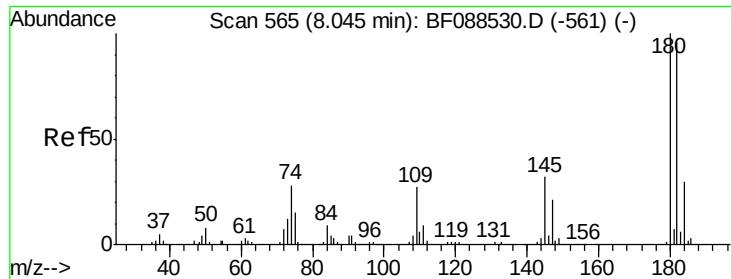
Tgt Ion: 93 Resp: 18993
Ion Ratio Lower Upper
93 100
95 31.7 26.5 39.7
123 9.6 11.6 17.4#



#29
2,4-Dichlorophenol
Concen: 3.40 ng
RT: 7.84 min Scan# 547
Delta R.T. -0.02 min
Lab File: BF088985.D
Acq: 14 Jul 2016 14:21

Tgt Ion: 162 Resp: 11689
Ion Ratio Lower Upper
162 100
164 64.0 43.8 83.8
98 28.9 21.3 61.3

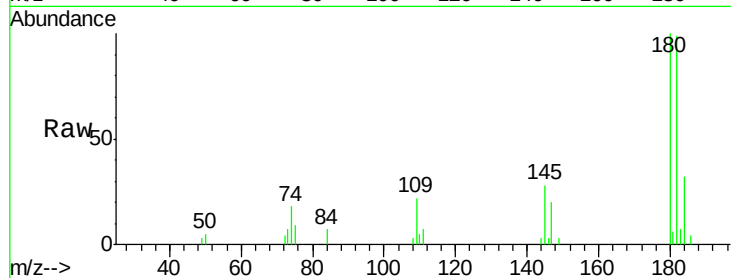




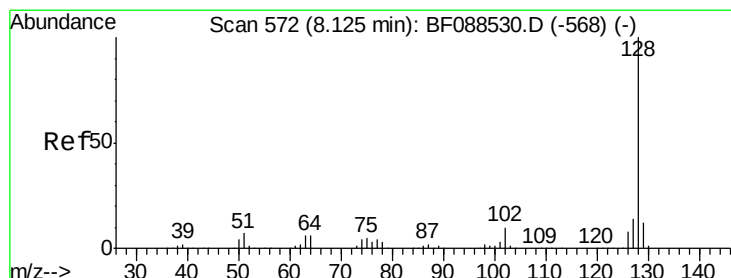
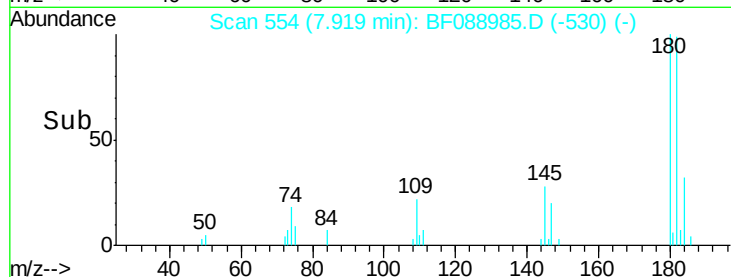
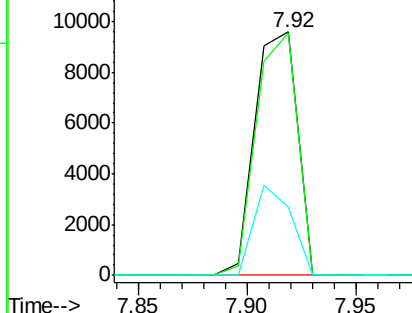
#30
 1,2,4-Trichlorobenzene
 Concen: 3.48 ng
 RT: 7.92 min Scan# 554
 Delta R.T. -0.02 min
 Lab File: BF088985.D
 Acq: 14 Jul 2016 14:21

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01

Tgt Ion:180 Resp: 13099
 Ion Ratio Lower Upper
 180 100
 182 99.4 76.0 114.0
 145 27.8 26.5 39.7

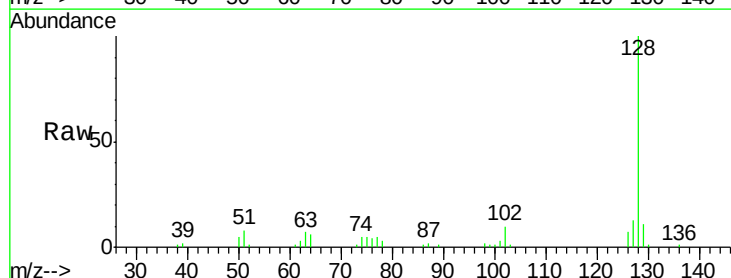


Abundance Ion 180.00 (179.70 to 180.70): E
 Ion 182.00 (181.70 to 182.70): E
 Ion 145.00 (144.70 to 145.70): E

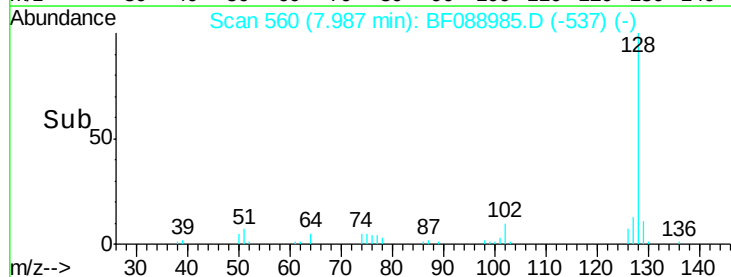
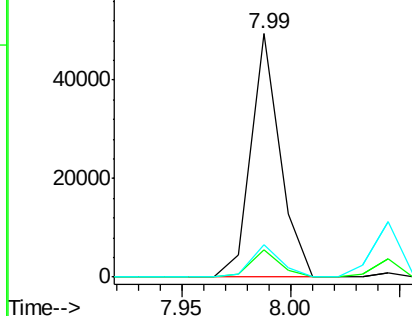


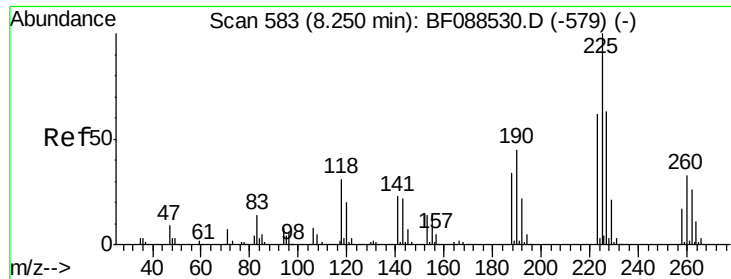
#31
 Naphthalene
 Concen: 3.60 ng
 RT: 7.99 min Scan# 560
 Delta R.T. -0.03 min
 Lab File: BF088985.D
 Acq: 14 Jul 2016 14:21

Tgt Ion:128 Resp: 45913
 Ion Ratio Lower Upper
 128 100
 129 11.5 9.4 14.2
 127 13.3 10.9 16.3



Abundance Ion 128.00 (127.70 to 128.70): E
 Ion 129.00 (128.70 to 129.70): E
 Ion 127.00 (126.70 to 127.70): E

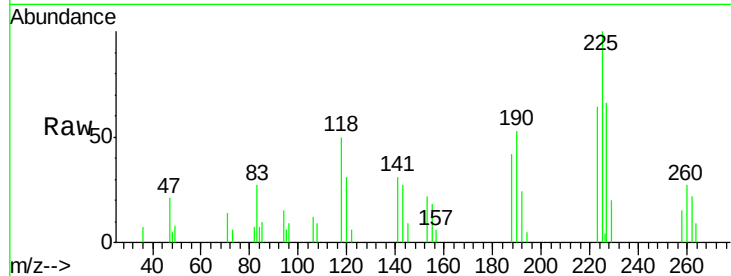




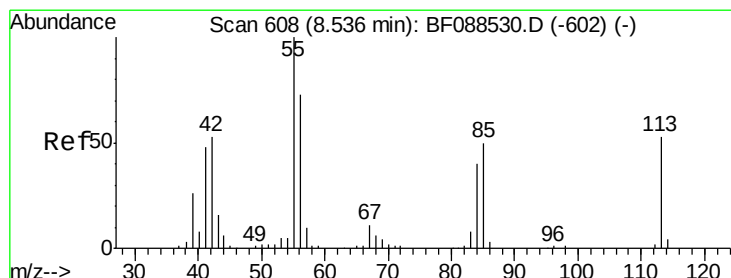
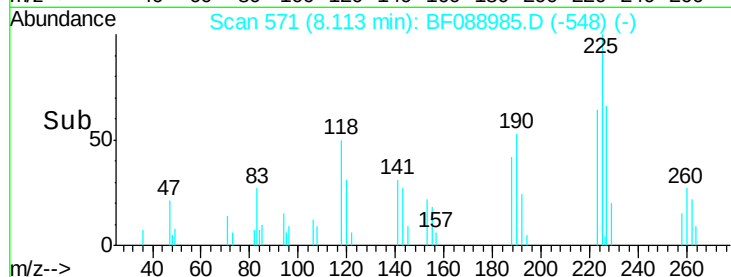
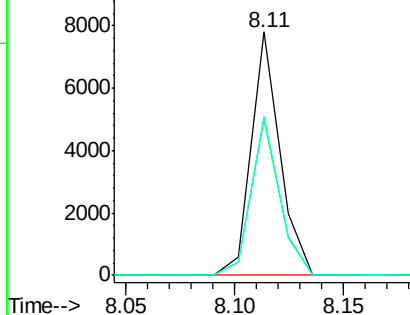
#34
Hexachlorobutadiene
Concen: 3.52 ng
RT: 8.11 min Scan# 571
Delta R.T. -0.03 min
Lab File: BF088985.D
Acq: 14 Jul 2016 14:21

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2016-01

Tgt Ion: 225 Resp: 7106
Ion Ratio Lower Upper
225 100
223 64.2 50.9 76.3
227 65.5 51.9 77.9

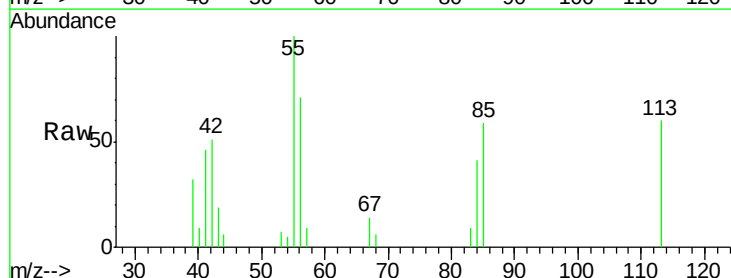


Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E

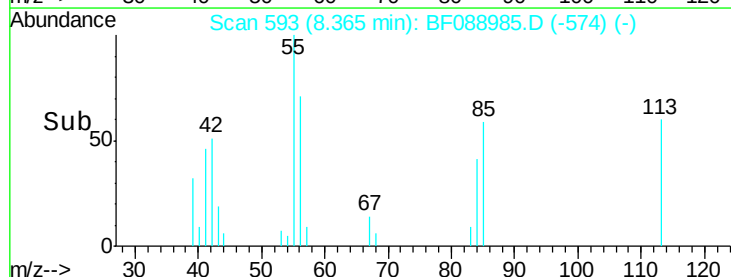
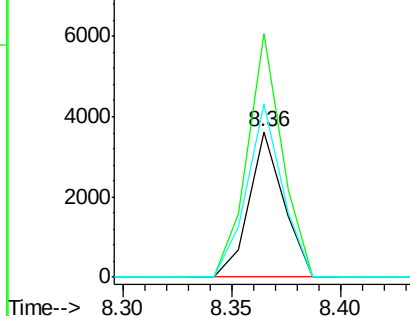


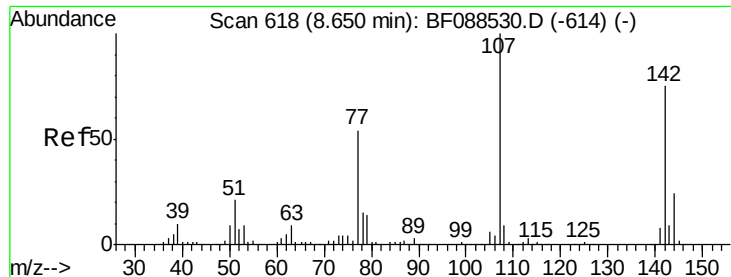
#35
Caprolactam
Concen: 3.42 ng
RT: 8.36 min Scan# 593
Delta R.T. -0.08 min
Lab File: BF088985.D
Acq: 14 Jul 2016 14:21

Tgt Ion: 113 Resp: 3984
Ion Ratio Lower Upper
113 100
55 167.6 158.6 198.6
56 119.7 110.6 150.6



Abundance Ion 113.00 (112.70 to 113.70): E
Ion 55.00 (54.70 to 55.70): BF0
Ion 56.00 (55.70 to 56.70): BF0

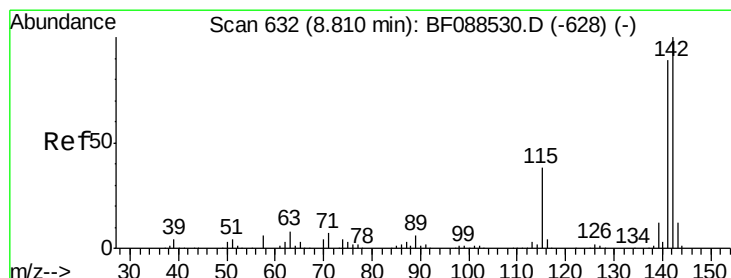
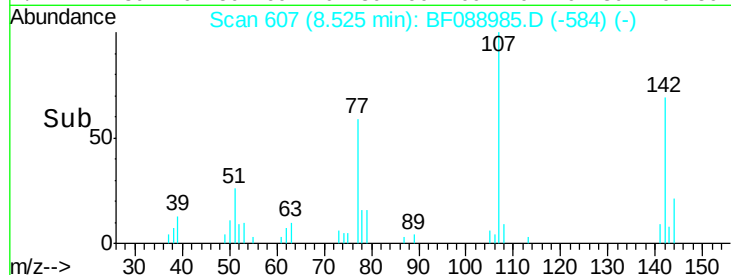
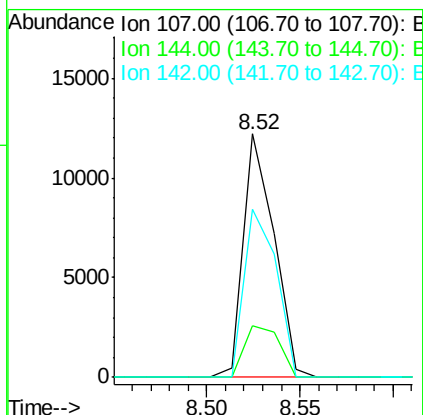
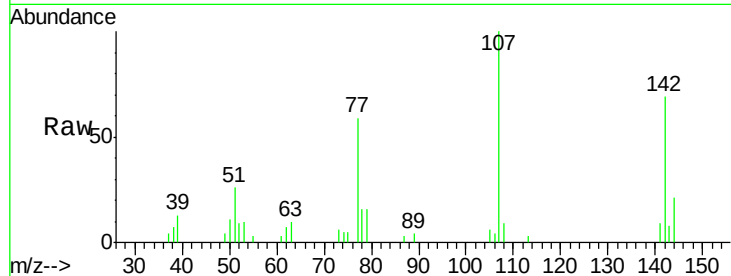




#36
 4-Chloro-3-methylphenol
 Concen: 3.43 ng
 RT: 8.52 min Scan# 607
 Delta R.T. -0.03 min
 Lab File: BF088985.D
 Acq: 14 Jul 2016 14:21

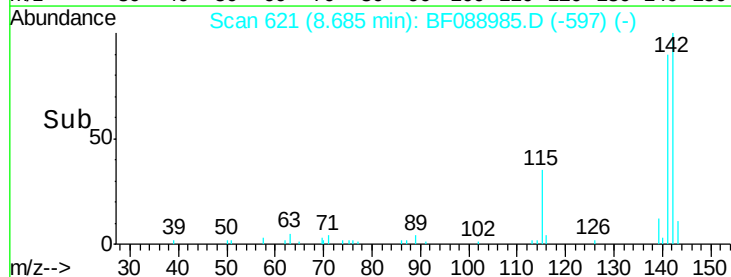
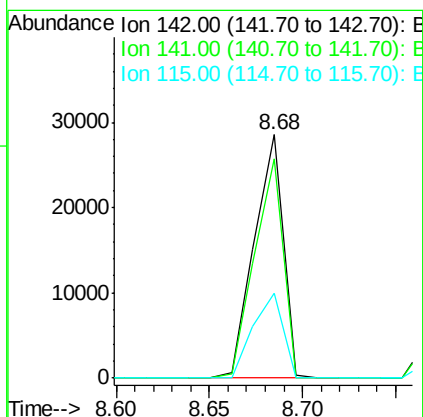
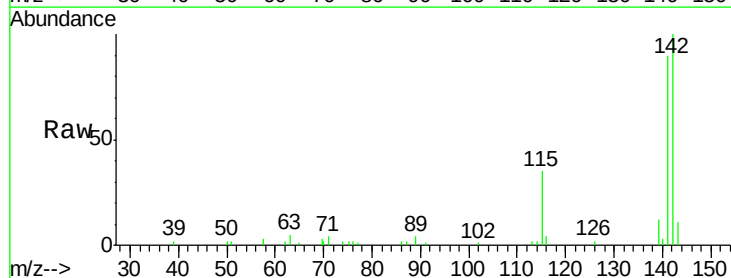
Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01

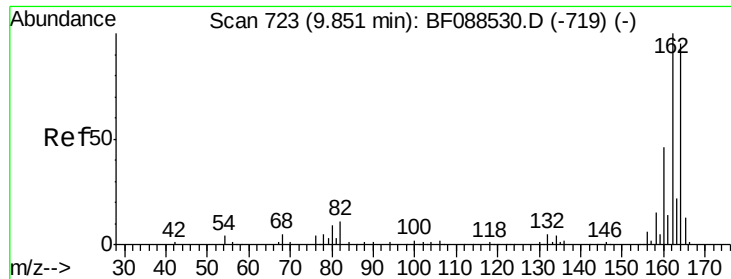
Tgt Ion:107 Resp: 13941
 Ion Ratio Lower Upper
 107 100
 144 21.1 20.8 31.2
 142 68.9 63.4 95.2



#37
 2-Methylnaphthalene
 Concen: 3.73 ng
 RT: 8.68 min Scan# 621
 Delta R.T. -0.02 min
 Lab File: BF088985.D
 Acq: 14 Jul 2016 14:21

Tgt Ion:142 Resp: 30613
 Ion Ratio Lower Upper
 142 100
 141 90.3 71.0 106.6
 115 34.8 22.6 33.8#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.71 min Scan# 711

Delta R.T. -0.03 min

Lab File: BF088985.D

Acq: 14 Jul 2016 14:21

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

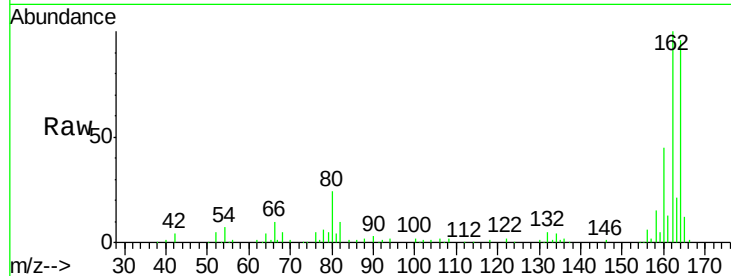
Tgt Ion:164 Resp: 124840

Ion Ratio Lower Upper

164 100

162 103.7 85.4 128.2

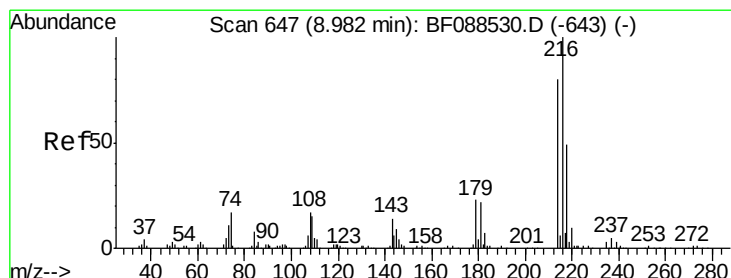
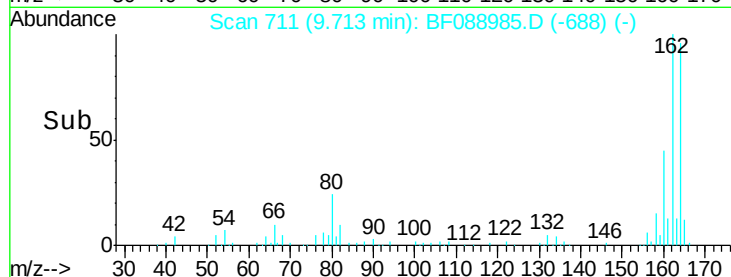
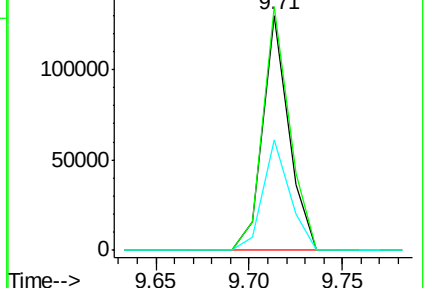
160 47.2 39.5 59.3



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: 3.12 ng

RT: 8.84 min Scan# 635

Delta R.T. -0.03 min

Lab File: BF088985.D

Acq: 14 Jul 2016 14:21

Tgt Ion:216 Resp: 12954

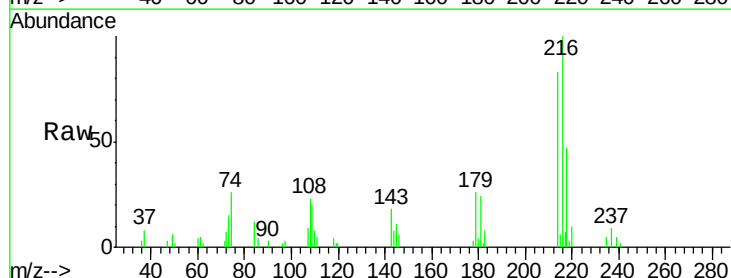
Ion Ratio Lower Upper

216 100

214 81.7 2.9 4.3#

179 24.7 0.0 0.0#

108 21.8 0.5 0.7#

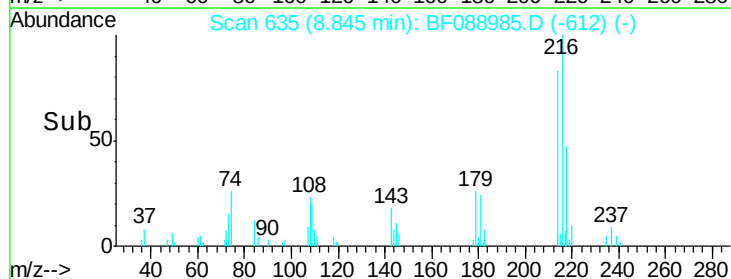
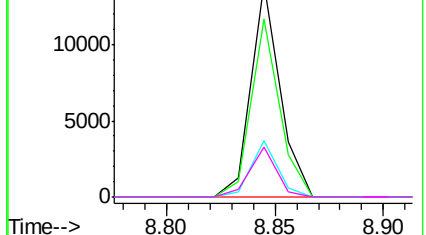


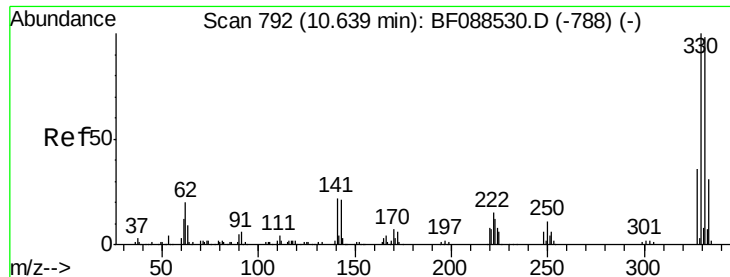
Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E

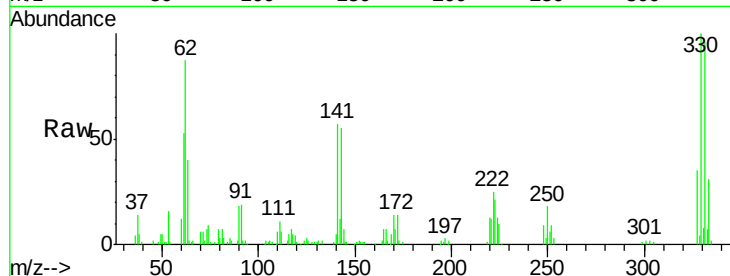




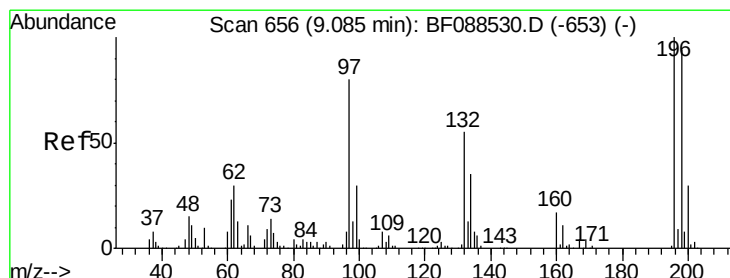
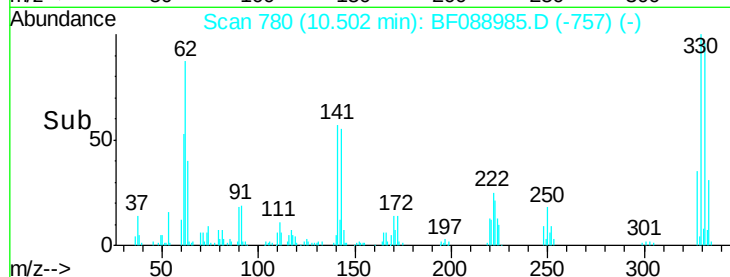
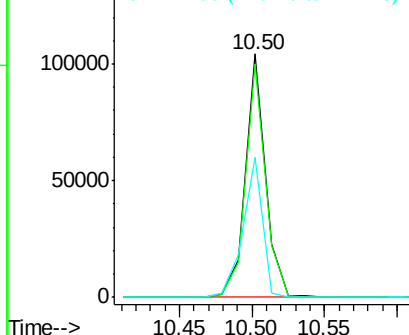
#41
 2,4,6-Tribromophenol
 Concen: 86.22 ng
 RT: 10.50 min Scan# 780
 Delta R.T. -0.03 min
 Lab File: BF088985.D
 Acq: 14 Jul 2016 14:21

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01

Tgt Ion:330 Resp: 99958
 Ion Ratio Lower Upper
 330 100
 332 95.7 0.0 0.0#
 141 56.3 0.0 0.0#

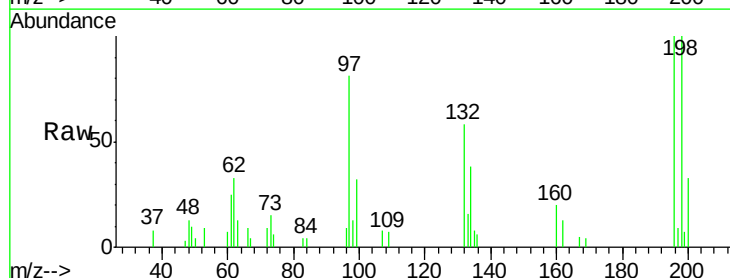


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

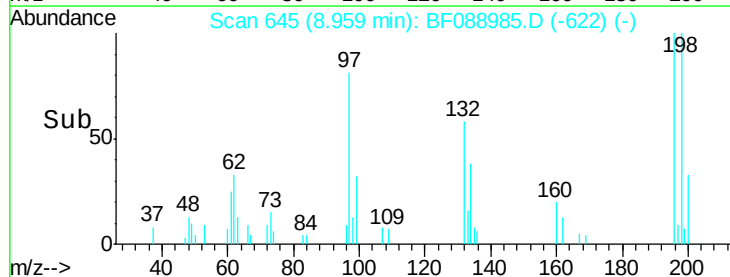
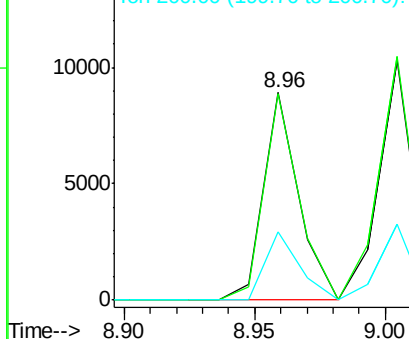


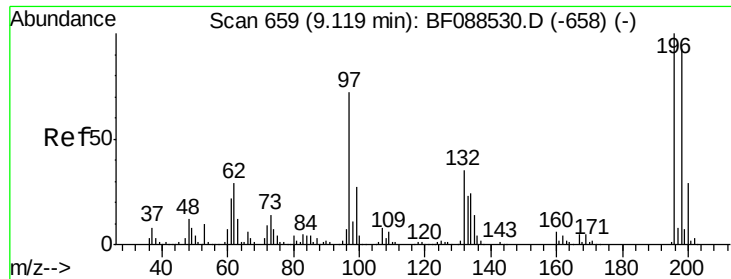
#42
 2,4,6-Trichlorophenol
 Concen: 3.05 ng
 RT: 8.96 min Scan# 645
 Delta R.T. -0.03 min
 Lab File: BF088985.D
 Acq: 14 Jul 2016 14:21

Tgt Ion:196 Resp: 8347
 Ion Ratio Lower Upper
 196 100
 198 99.7 78.0 117.0
 200 32.9 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

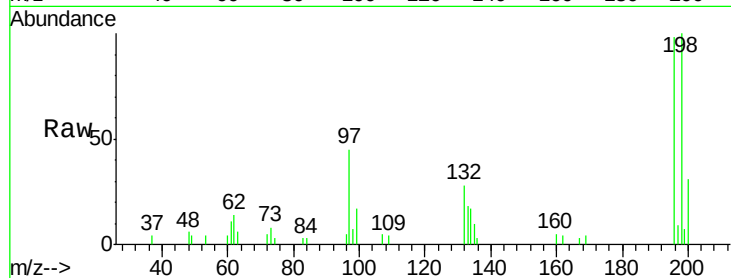




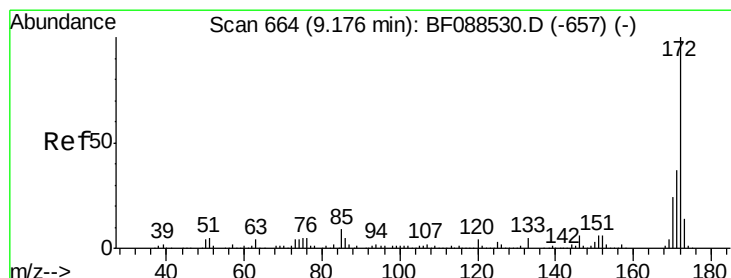
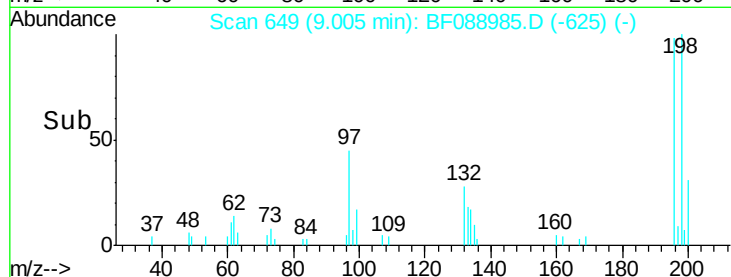
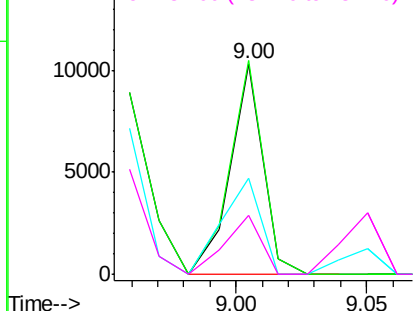
#43
 2,4,5-Trichlorophenol
 Concen: 3.84 ng
 RT: 9.00 min Scan# 649
 Delta R.T. -0.02 min
 Lab File: BF088985.D
 Acq: 14 Jul 2016 14:21

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01

Tgt Ion:196 Resp: 9044
 Ion Ratio Lower Upper
 196 100
 198 101.7 77.5 116.3
 97 45.8 32.0 48.0
 132 28.3 20.9 31.3

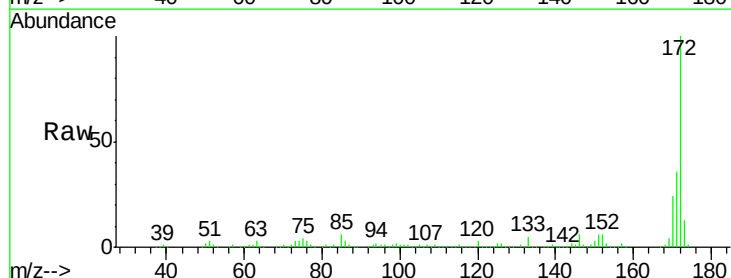


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF0
 Ion 132.00 (131.70 to 132.70): E

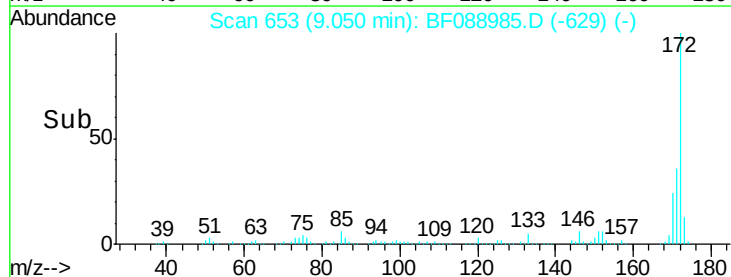
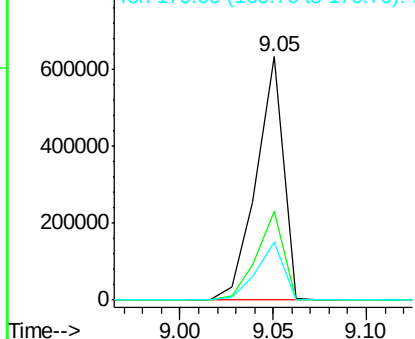


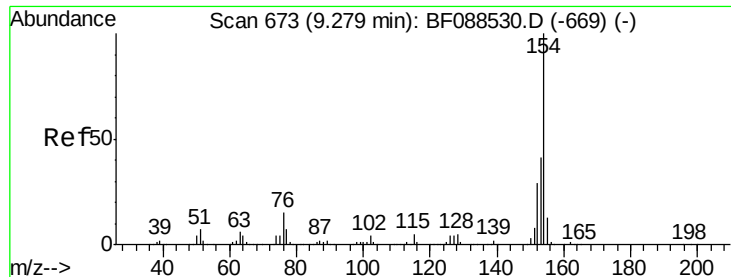
#44
 2-Fluorobiphenyl
 Concen: 80.61 ng
 RT: 9.05 min Scan# 653
 Delta R.T. -0.02 min
 Lab File: BF088985.D
 Acq: 14 Jul 2016 14:21

Tgt Ion:172 Resp: 637053
 Ion Ratio Lower Upper
 172 100
 171 36.3 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: 3.73 ng

RT: 9.14 min Scan# 661

Delta R.T. -0.03 min

Lab File: BF088985.D

Acq: 14 Jul 2016 14:21

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

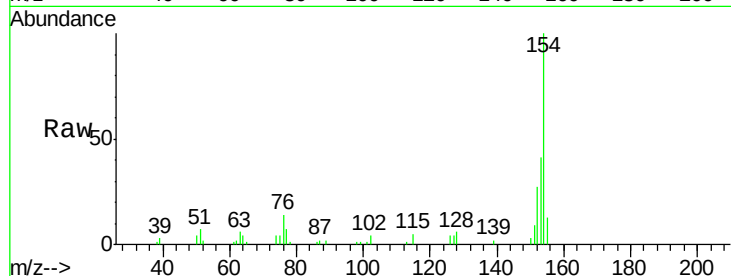
Tgt Ion:154 Resp: 38560

Ion Ratio Lower Upper

154 100

153 40.9 20.6 60.6

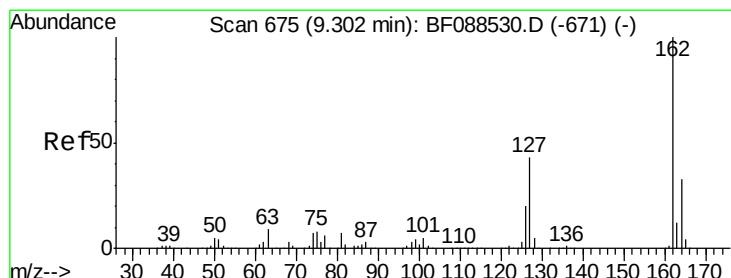
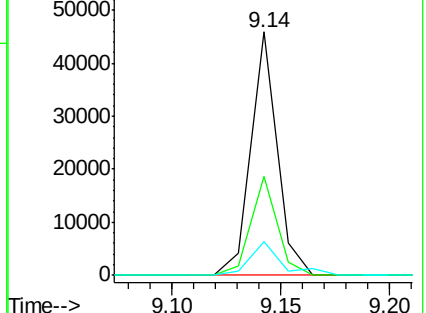
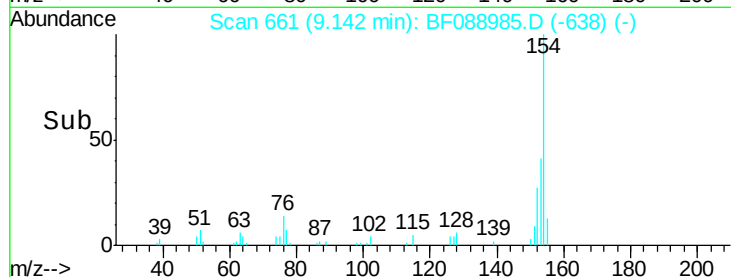
76 13.8 0.0 35.1



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: 3.74 ng

RT: 9.16 min Scan# 663

Delta R.T. -0.03 min

Lab File: BF088985.D

Acq: 14 Jul 2016 14:21

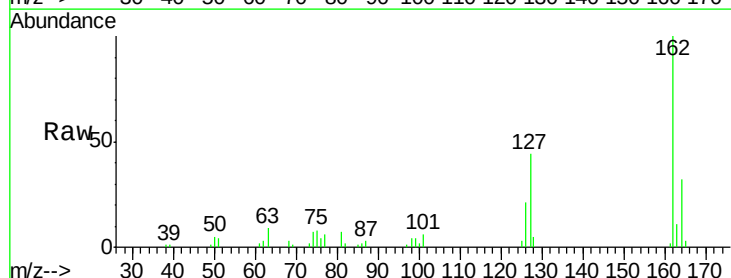
Tgt Ion:162 Resp: 30332

Ion Ratio Lower Upper

162 100

127 44.3 35.2 52.8

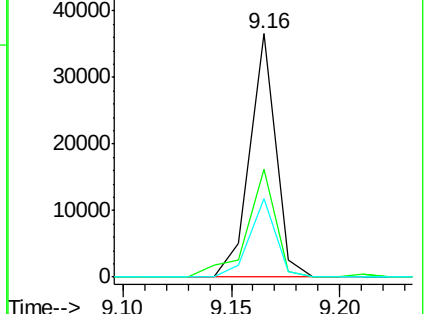
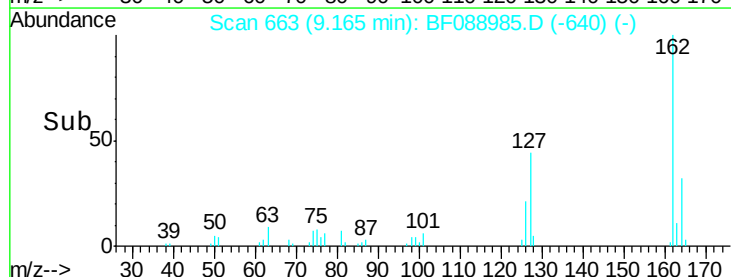
164 32.3 26.6 39.8

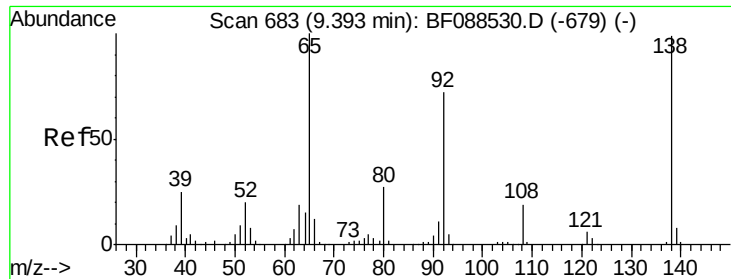


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E

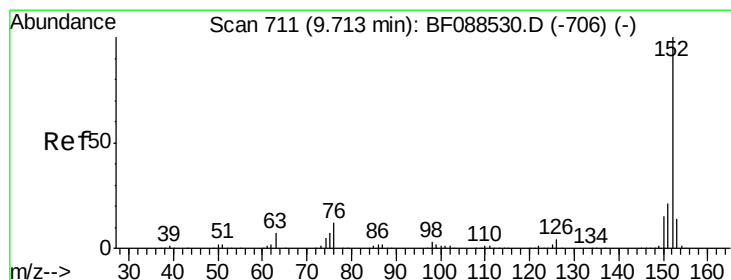
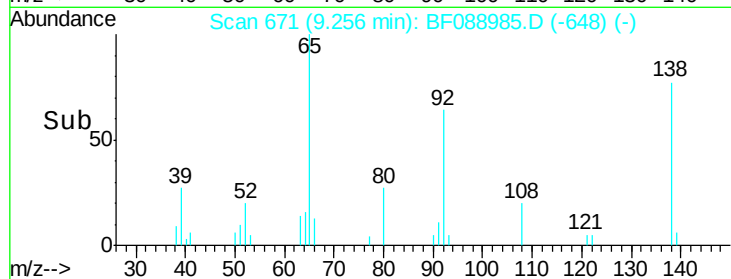
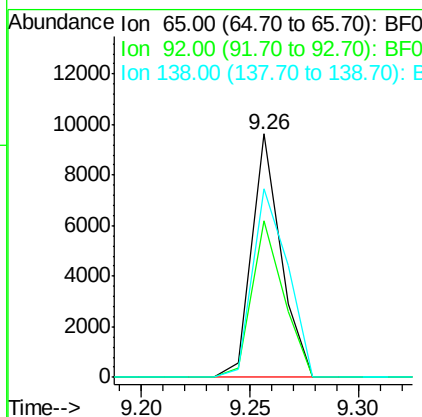
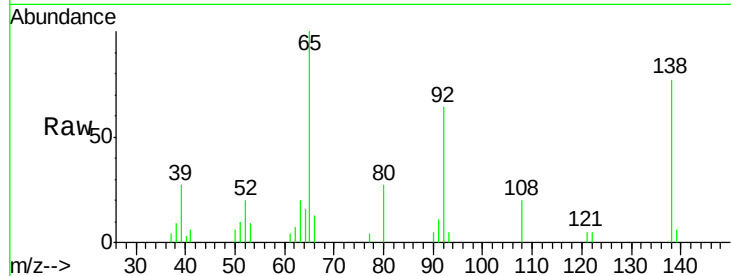




#47
 2-Nitroaniline
 Concen: 3.12 ng
 RT: 9.26 min Scan# 671
 Delta R.T. -0.03 min
 Lab File: BF088985.D
 Acq: 14 Jul 2016 14:21

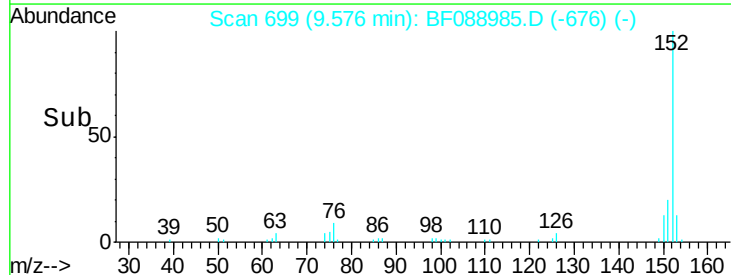
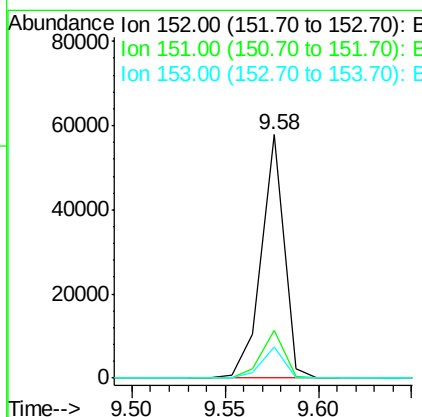
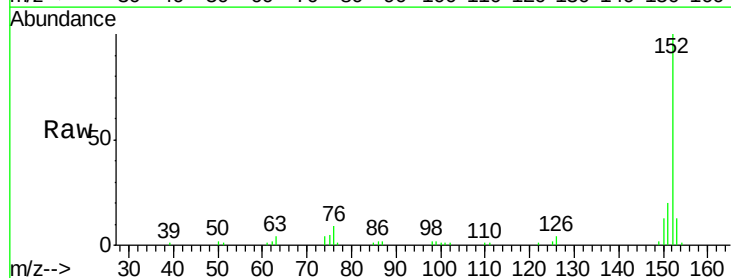
Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01

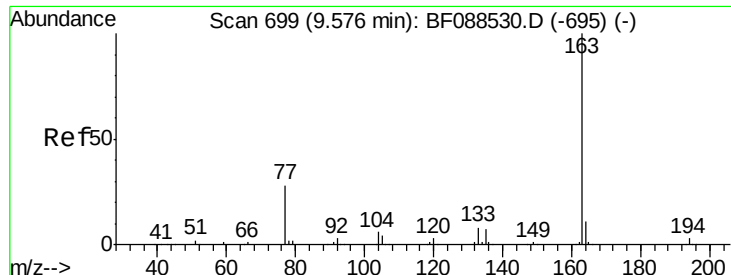
Tgt Ion: 65 Resp: 8986
 Ion Ratio Lower Upper
 65 100
 92 64.0 54.6 82.0
 138 77.4 77.0 115.4



#48
 Acenaphthylene
 Concen: 3.78 ng
 RT: 9.58 min Scan# 699
 Delta R.T. -0.03 min
 Lab File: BF088985.D
 Acq: 14 Jul 2016 14:21

Tgt Ion: 152 Resp: 48851
 Ion Ratio Lower Upper
 152 100
 151 19.8 16.2 24.4
 153 13.0 11.0 16.6

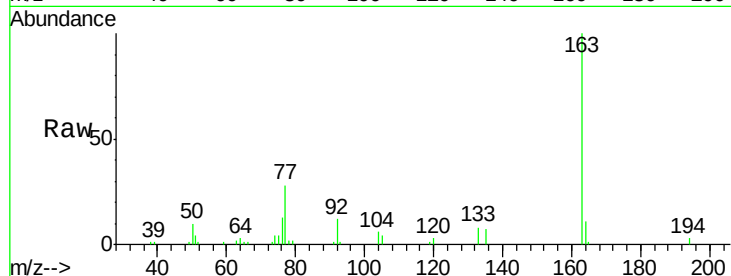




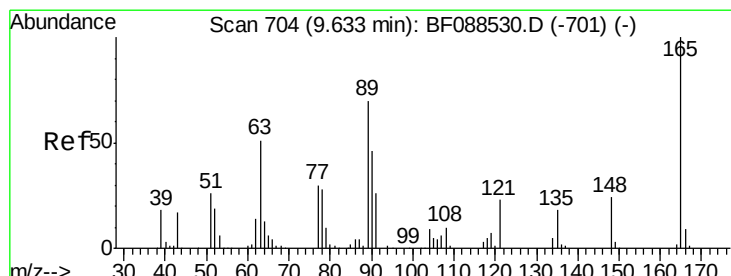
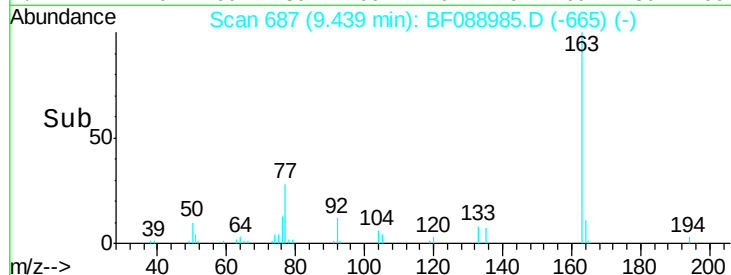
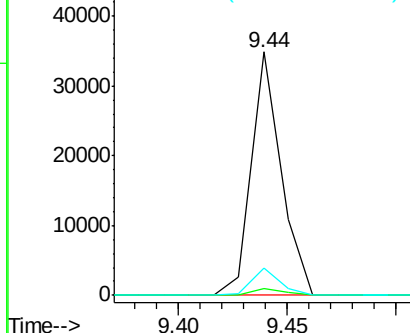
#49
Dimethylphthalate
Concen: 3.73 ng
RT: 9.44 min Scan# 687
Delta R.T. -0.05 min
Lab File: BF088985.D
Acq: 14 Jul 2016 14:21

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2016-01

Tgt Ion:163 Resp: 33146
Ion Ratio Lower Upper
163 100
194 2.8 2.8 4.2
164 11.1 8.3 12.5

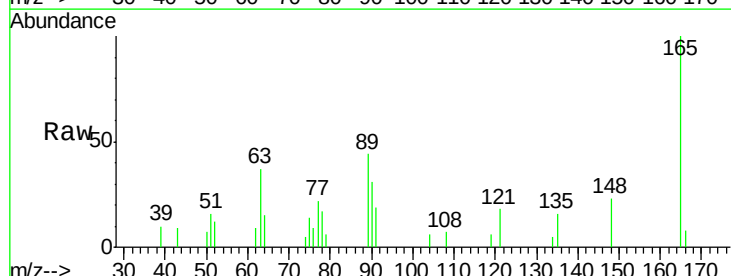


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

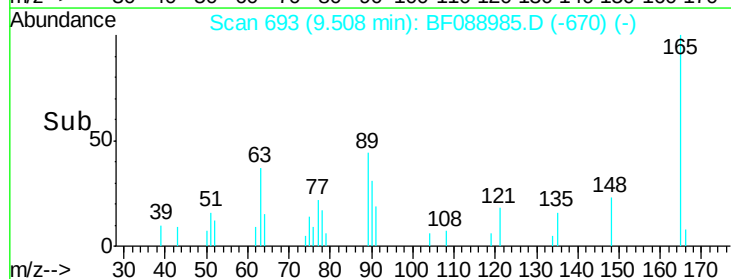
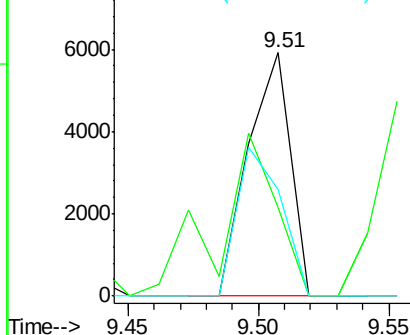


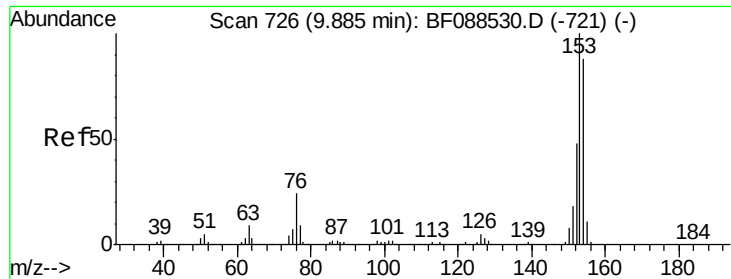
#50
2,6-Dinitrotoluene
Concen: 3.36 ng
RT: 9.51 min Scan# 693
Delta R.T. -0.03 min
Lab File: BF088985.D
Acq: 14 Jul 2016 14:21

Tgt Ion:165 Resp: 6615
Ion Ratio Lower Upper
165 100
63 36.6 28.1 42.1
89 44.0 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: 3.79 ng

RT: 9.75 min Scan# 714

Delta R.T. -0.03 min

Lab File: BF088985.D

Acq: 14 Jul 2016 14:21

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

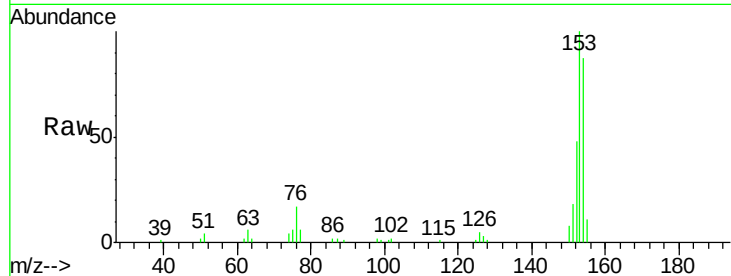
Tgt Ion:154 Resp: 29978

Ion Ratio Lower Upper

154 100

153 115.5 89.5 134.3

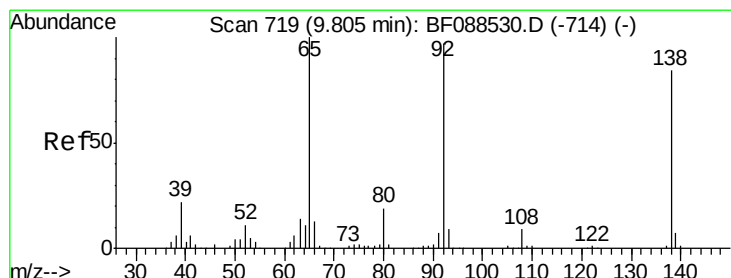
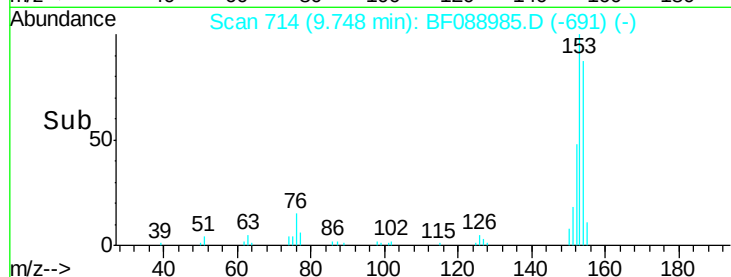
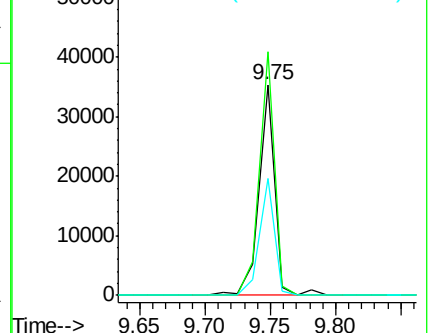
152 55.4 42.7 64.1



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: 3.16 ng

RT: 9.67 min Scan# 707

Delta R.T. -0.03 min

Lab File: BF088985.D

Acq: 14 Jul 2016 14:21

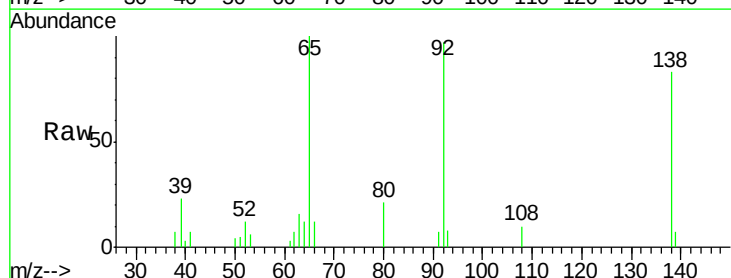
Tgt Ion:138 Resp: 7927

Ion Ratio Lower Upper

138 100

108 12.1 8.5 12.7

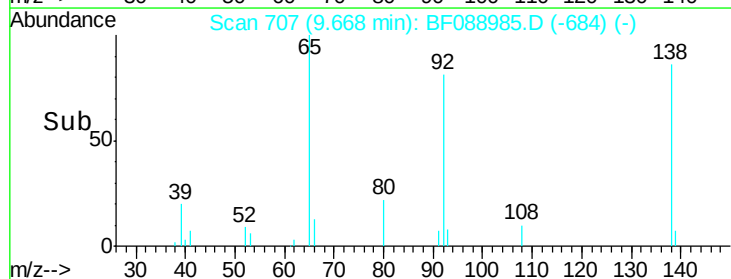
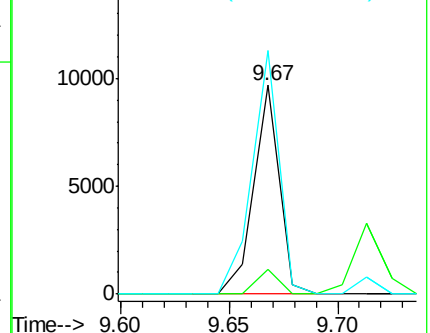
92 116.5 95.7 143.5

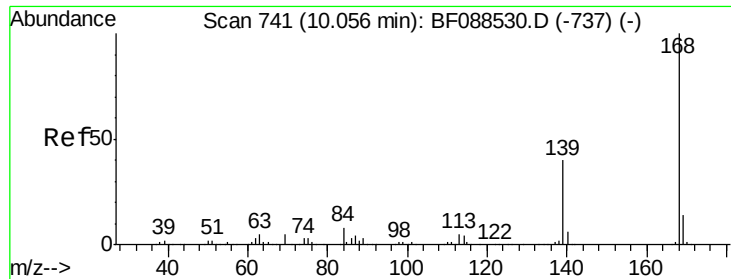


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

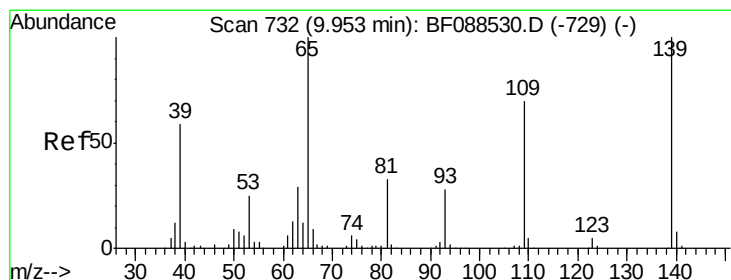
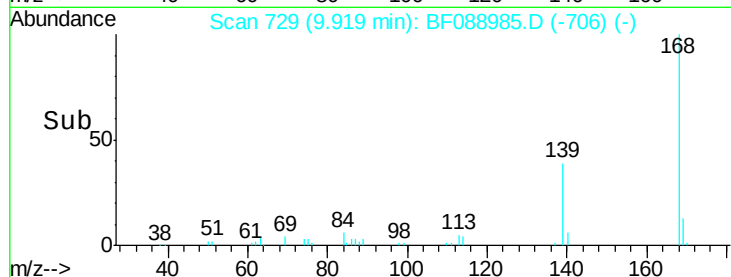
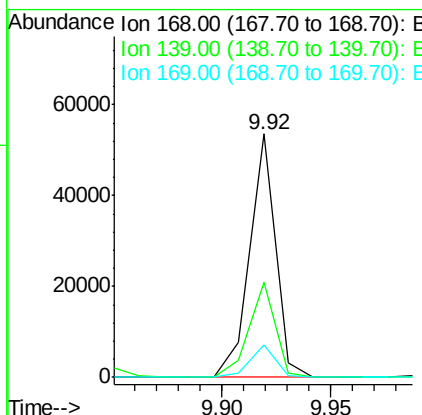
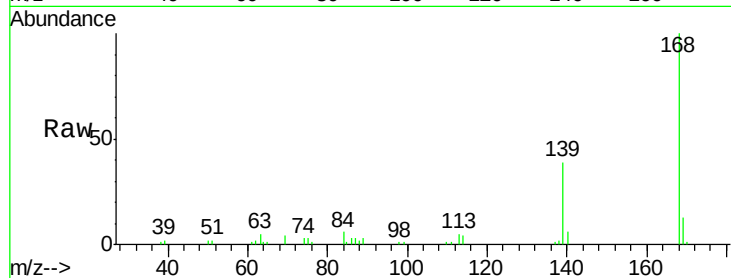




#54
Dibenzofuran
Concen: 4.26 ng
RT: 9.92 min Scan# 729
Delta R.T. -0.03 min
Lab File: BF088985.D
Acq: 14 Jul 2016 14:21

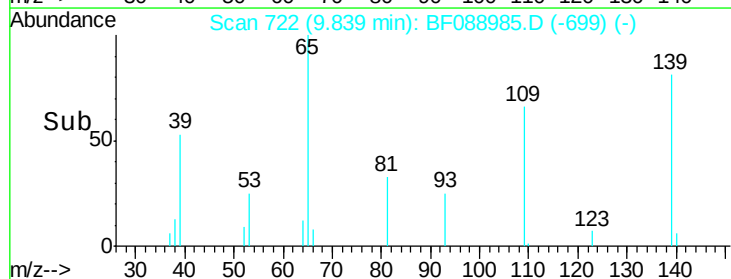
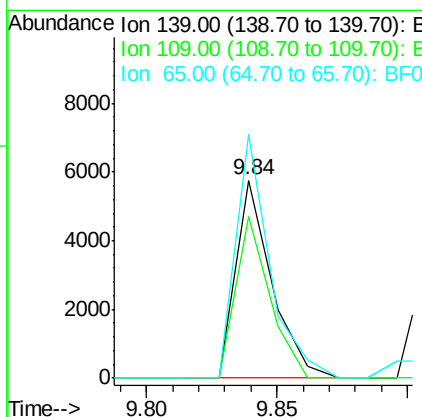
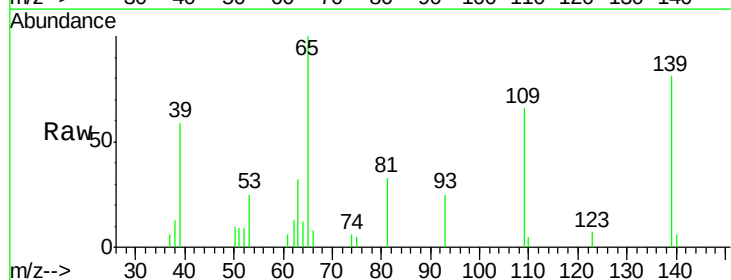
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2016-01

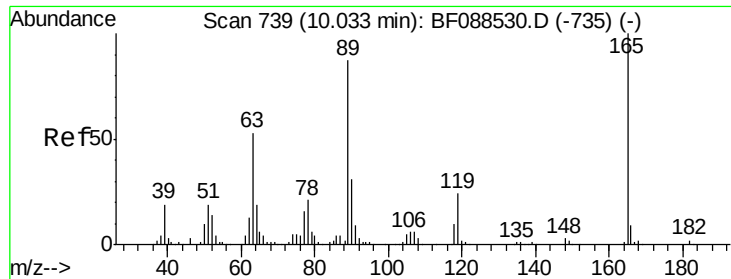
Tgt Ion:168 Resp: 44167
Ion Ratio Lower Upper
168 100
139 39.3 26.4 39.6
169 13.1 10.4 15.6



#55
4-Nitrophenol
Concen: 2.91 ng
RT: 9.84 min Scan# 722
Delta R.T. -0.03 min
Lab File: BF088985.D
Acq: 14 Jul 2016 14:21

Tgt Ion:139 Resp: 5539
Ion Ratio Lower Upper
139 100
109 81.6 48.9 88.9
65 122.9 84.9 124.9

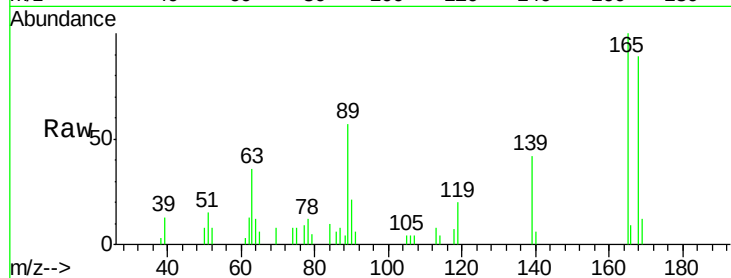




#56
2,4-Dinitrotoluene
Concen: 3.59 ng
RT: 9.91 min Scan# 728
Delta R.T. -0.03 min
Lab File: BF088985.D
Acq: 14 Jul 2016 14:21

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2016-01

Tgt Ion:	165	Resp:	9254
Ion	Ratio	Lower	Upper
165	100		
63	35.5	22.0	33.0#
89	56.8	41.1	61.7
182	0.0	2.0	3.0#

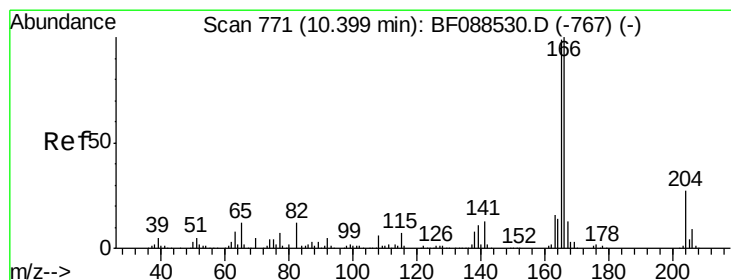
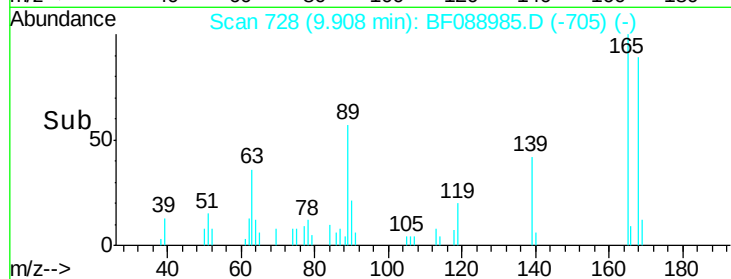
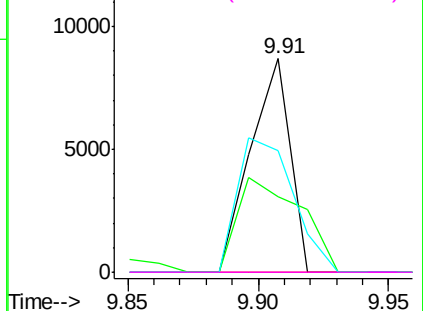


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

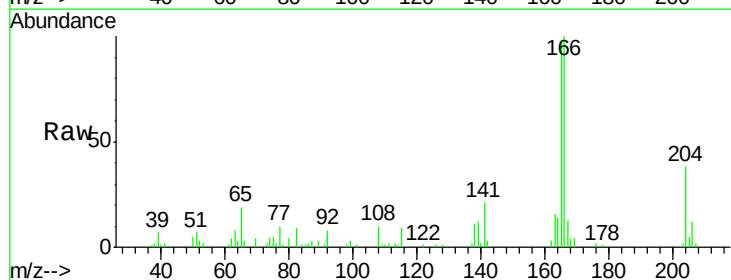
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#57
Fluorene
Concen: 4.31 ng
RT: 10.26 min Scan# 759
Delta R.T. -0.03 min
Lab File: BF088985.D
Acq: 14 Jul 2016 14:21

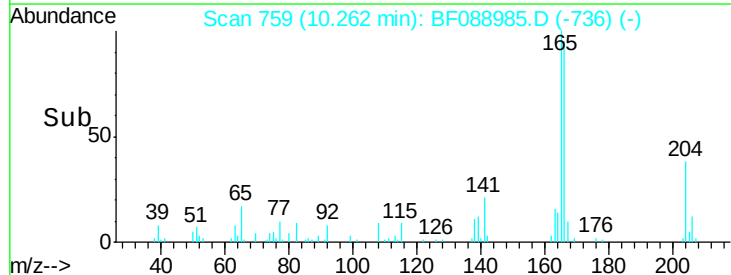
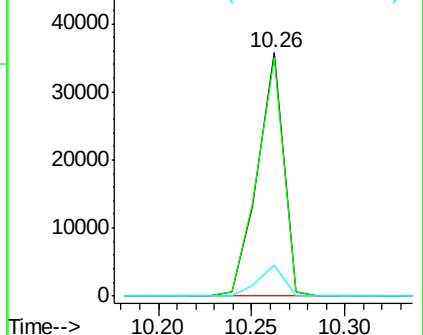
Tgt Ion:	166	Resp:	34381
Ion	Ratio	Lower	Upper
166	100		
165	98.2	77.8	116.8
167	12.7	11.2	16.8

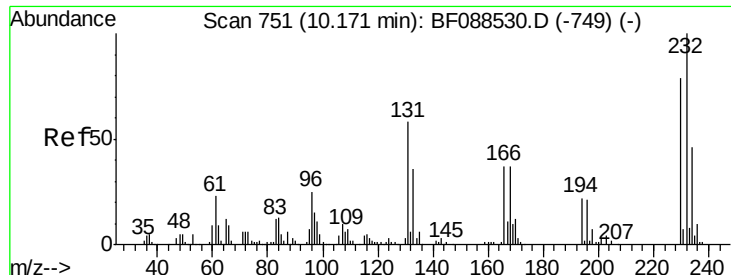


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

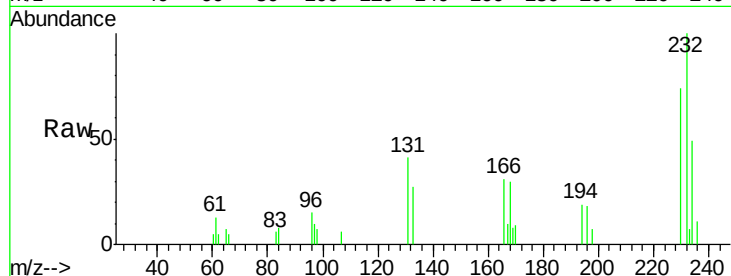




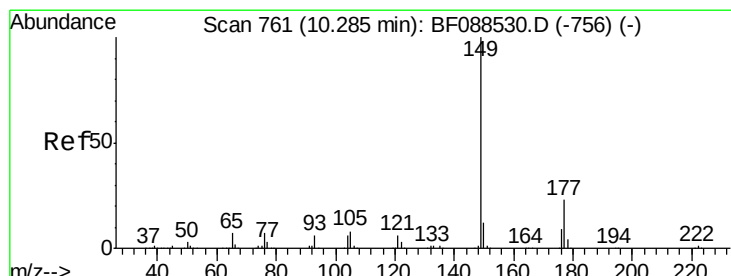
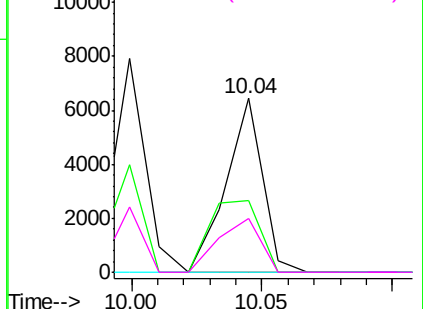
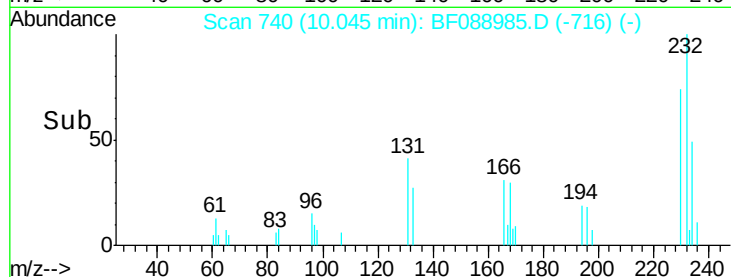
#58
 2,3,4,6-Tetrachlorophenol
 Concen: 3.46 ng
 RT: 10.04 min Scan# 740
 Delta R.T. -0.02 min
 Lab File: BF088985.D
 Acq: 14 Jul 2016 14:21

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01

Tgt Ion: 232 Resp: 6304
 Ion Ratio Lower Upper
 232 100
 131 56.9 0.9 1.3#
 130 0.0 1.5 2.3#
 166 35.6 0.5 0.7#

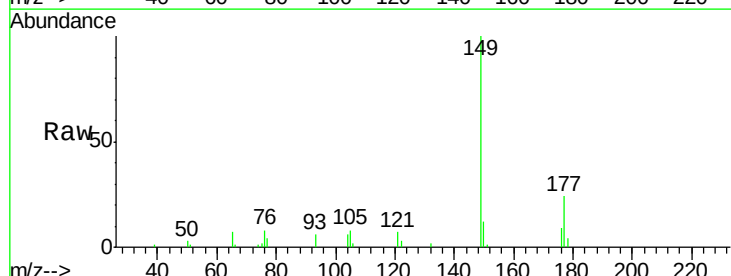


Abundance Ion 232.00 (231.70 to 232.70): E
 Ion 131.00 (130.70 to 131.70): E
 Ion 130.00 (129.70 to 130.70): E
 Ion 166.00 (165.70 to 166.70): E

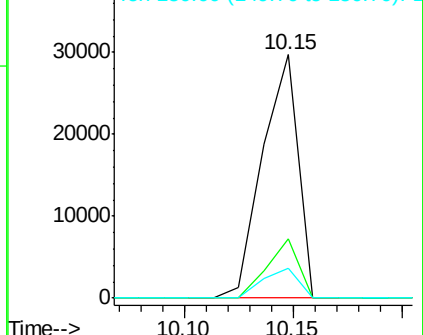
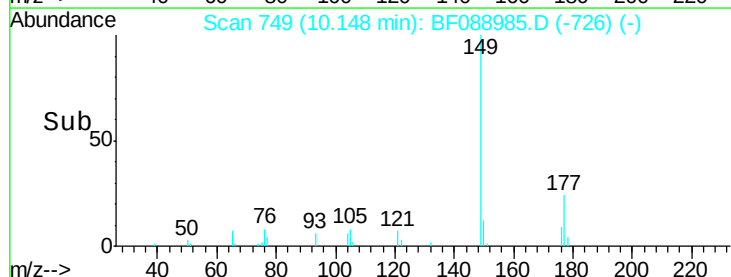


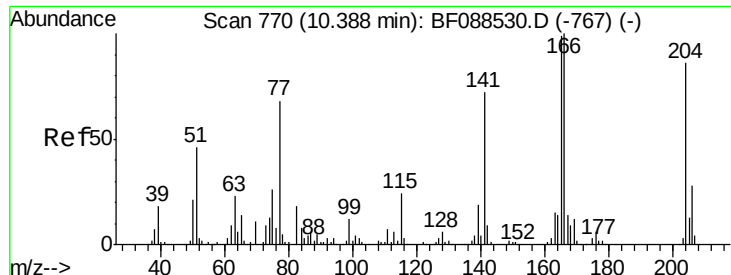
#59
 Diethylphthalate
 Concen: 3.83 ng
 RT: 10.15 min Scan# 749
 Delta R.T. -0.03 min
 Lab File: BF088985.D
 Acq: 14 Jul 2016 14:21

Tgt Ion: 149 Resp: 34157
 Ion Ratio Lower Upper
 149 100
 177 24.2 16.9 25.3
 150 12.2 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

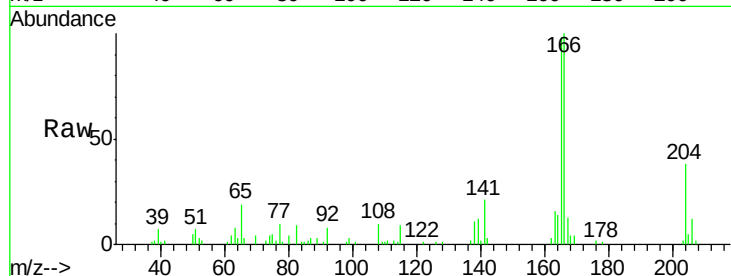




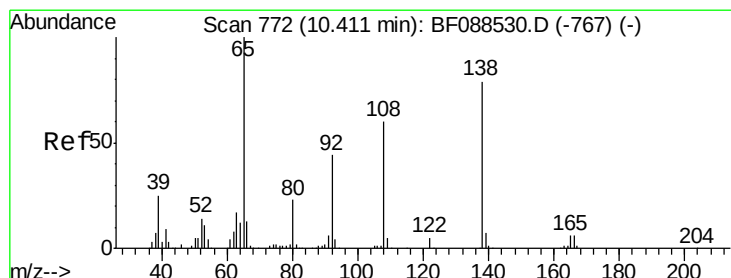
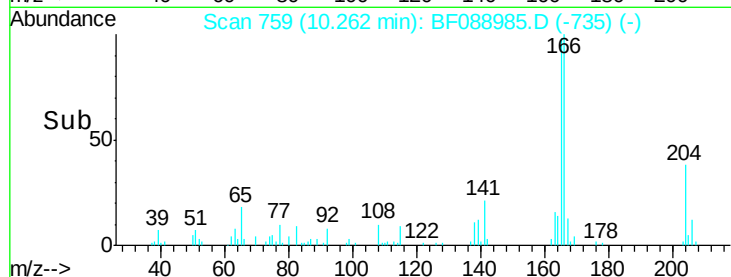
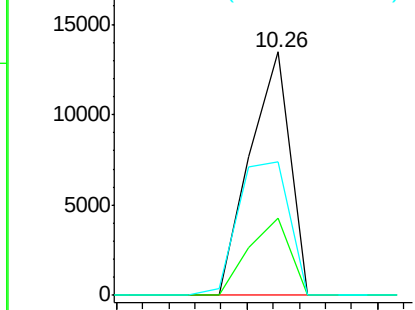
#60
 4-Chlorophenyl-phenylether
 Concen: 3.91 ng
 RT: 10.26 min Scan# 759
 Delta R.T. -0.02 min
 Lab File: BF088985.D
 Acq: 14 Jul 2016 14:21

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01

Tgt Ion: 204 Resp: 14503
 Ion Ratio Lower Upper
 204 100
 206 31.8 26.3 39.5
 141 55.0 55.0 82.6#

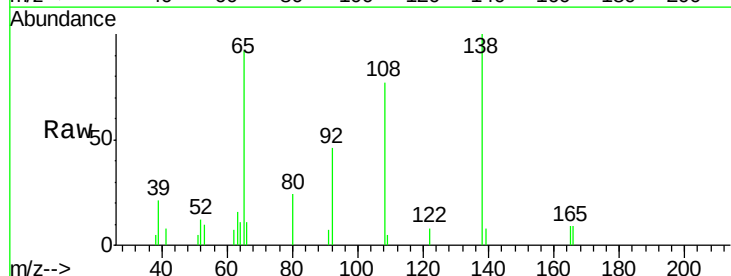


Abundance Ion 204.00 (203.70 to 204.70): E
 Ion 206.00 (205.70 to 206.70): E
 Ion 141.00 (140.70 to 141.70): E

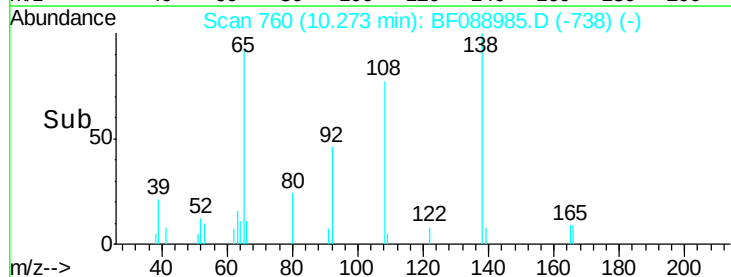
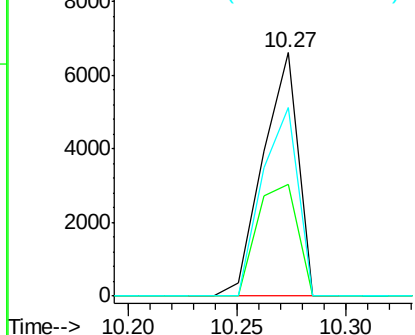


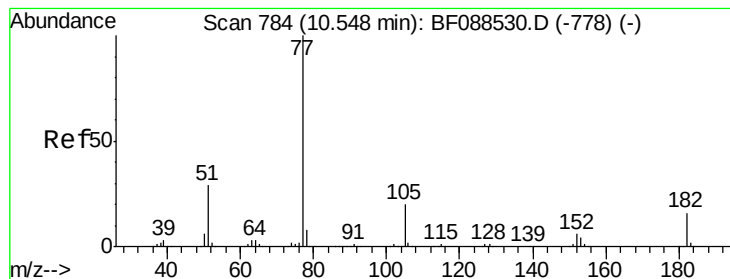
#61
 4-Nitroaniline
 Concen: 3.10 ng
 RT: 10.27 min Scan# 760
 Delta R.T. -0.05 min
 Lab File: BF088985.D
 Acq: 14 Jul 2016 14:21

Tgt Ion: 138 Resp: 7470
 Ion Ratio Lower Upper
 138 100
 92 45.9 27.3 67.3
 108 77.2 46.7 86.7



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





#62

Azobenzene

Concen: 3.61 ng

RT: 10.41 min Scan# 772

Delta R.T. -0.03 min

Lab File: BF088985.D

Acq: 14 Jul 2016 14:21

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

Tgt Ion: 77 Resp: 36793

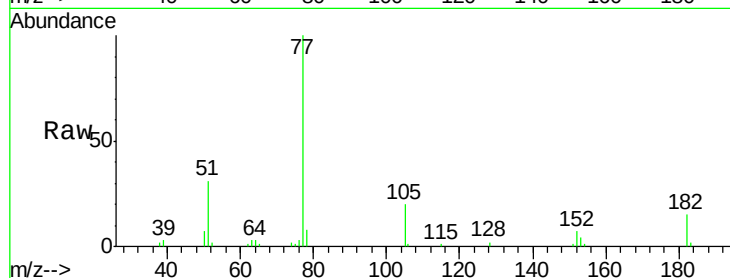
Ion Ratio Lower Upper

77 100

182 14.7 4.4 44.4

105 20.0 3.8 43.8

51 30.9 9.3 49.3

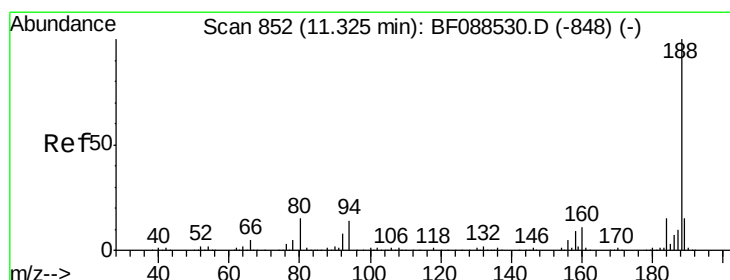
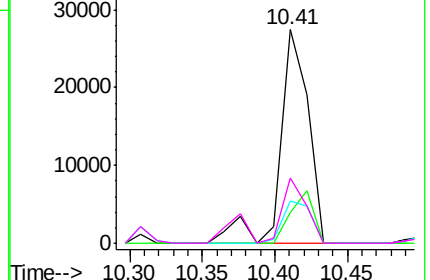
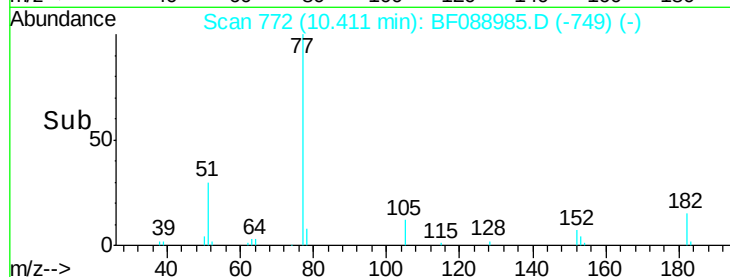


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.19 min Scan# 840

Delta R.T. -0.03 min

Lab File: BF088985.D

Acq: 14 Jul 2016 14:21

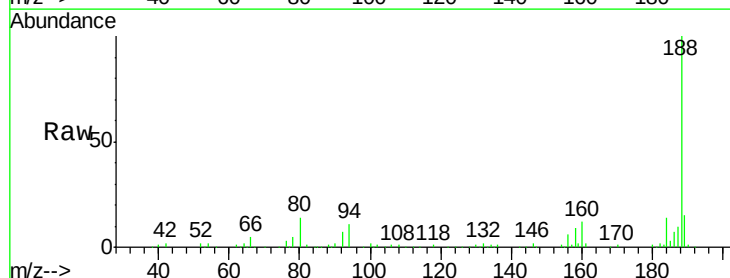
Tgt Ion: 188 Resp: 242629

Ion Ratio Lower Upper

188 100

94 11.5 9.0 13.6

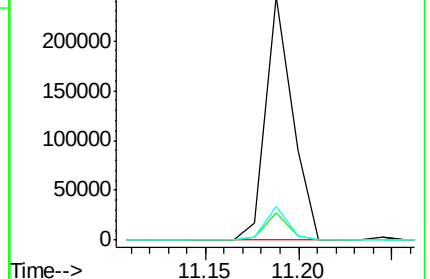
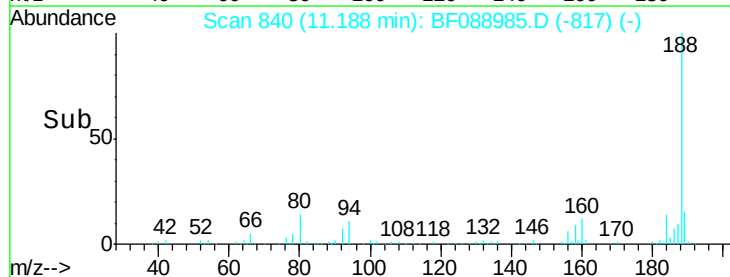
80 13.7 10.0 15.0

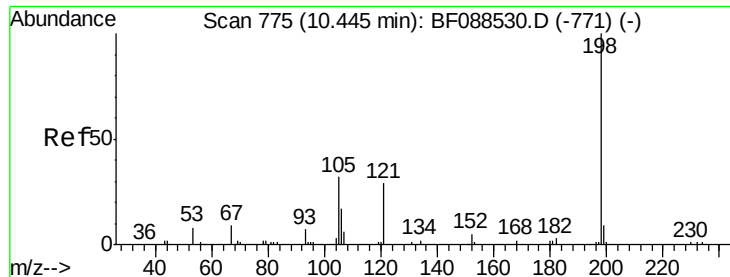


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

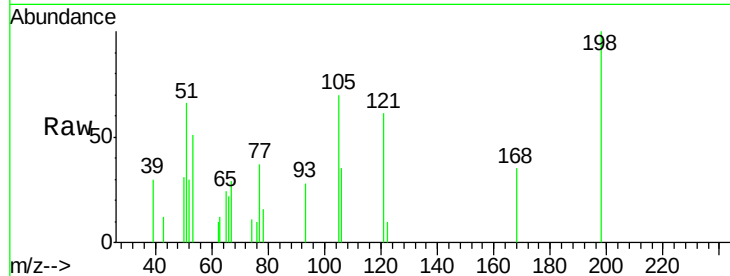




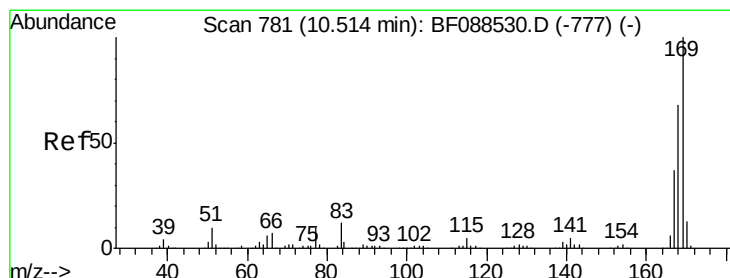
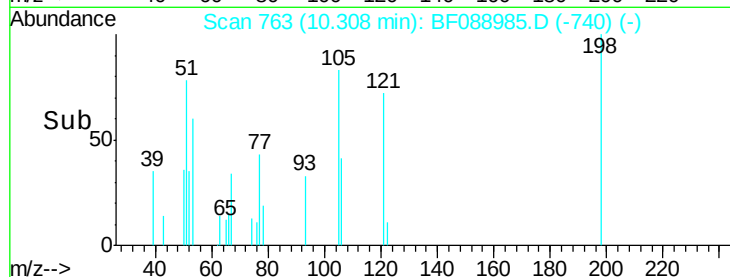
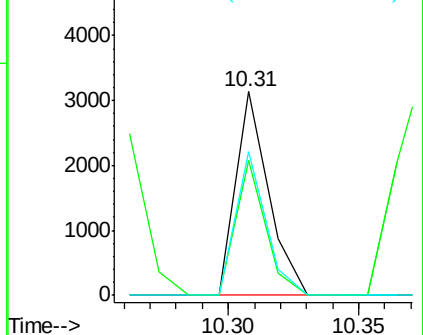
#64
 4,6-Dinitro-2-methylphenol
 Concen: 2.12 ng
 RT: 10.31 min Scan# 763
 Delta R.T. -0.03 min
 Lab File: BF088985.D
 Acq: 14 Jul 2016 14:21

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01

Tgt Ion:198 Resp: 2752
 Ion Ratio Lower Upper
 198 100
 51 66.1 39.6 79.6
 105 70.4 36.6 76.6

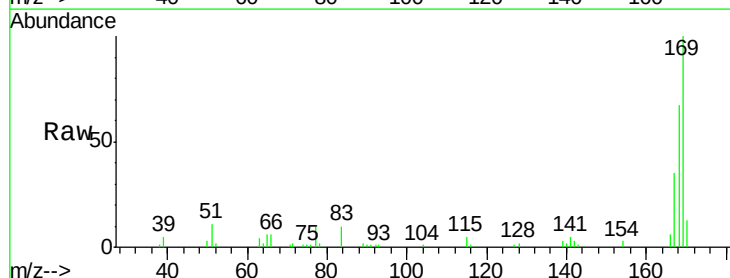


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF0
 Ion 105.00 (104.70 to 105.70): E

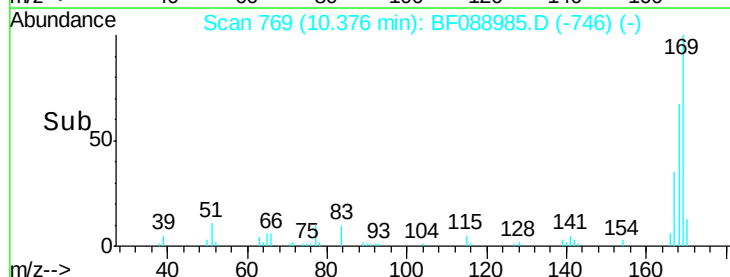
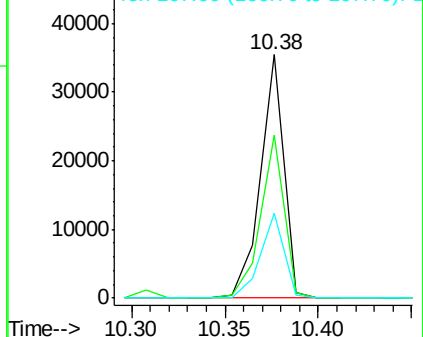


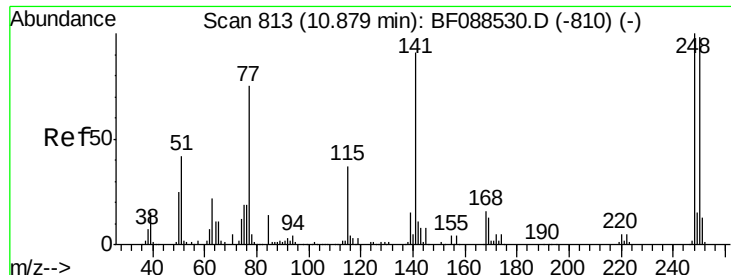
#65
 n-Nitrosodiphenylamine
 Concen: 3.72 ng
 RT: 10.38 min Scan# 769
 Delta R.T. -0.03 min
 Lab File: BF088985.D
 Acq: 14 Jul 2016 14:21

Tgt Ion:169 Resp: 30534
 Ion Ratio Lower Upper
 169 100
 168 67.0 53.4 80.0
 167 35.0 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

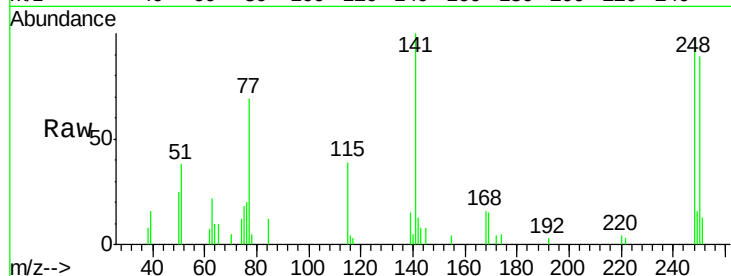




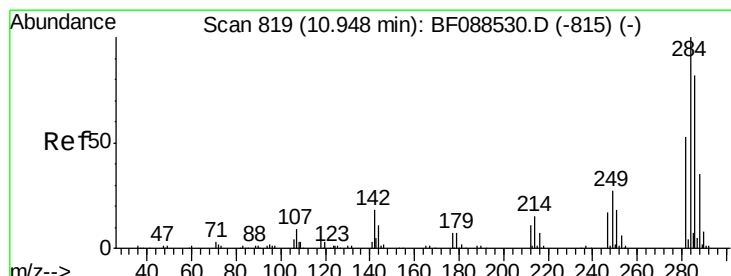
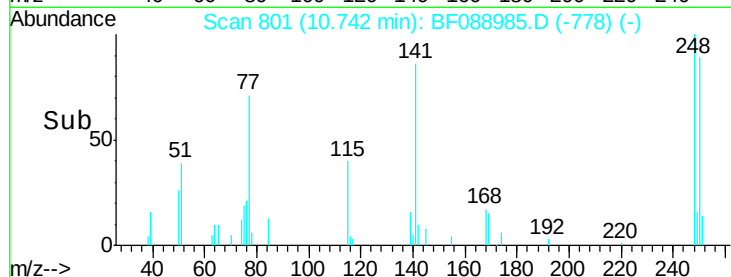
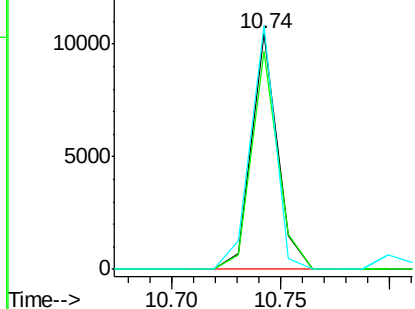
#66
 4-Bromophenyl-phenylether
 Concen: 3.55 ng
 RT: 10.74 min Scan# 801
 Delta R.T. -0.03 min
 Lab File: BF088985.D
 Acq: 14 Jul 2016 14:21

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01

Tgt Ion:248 Resp: 8676
 Ion Ratio Lower Upper
 248 100
 250 92.4 77.1 115.7
 141 103.4 50.6 76.0#

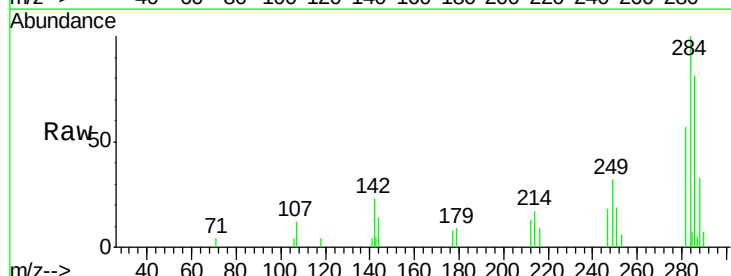


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

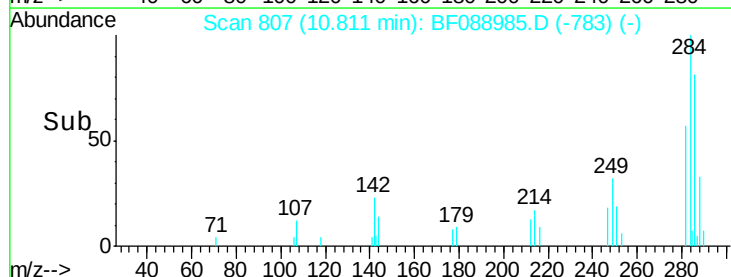
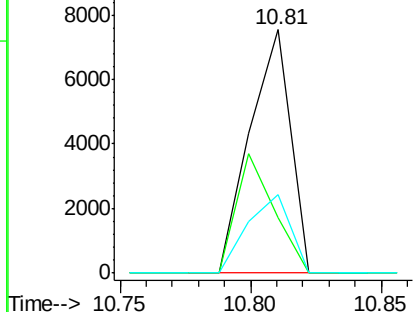


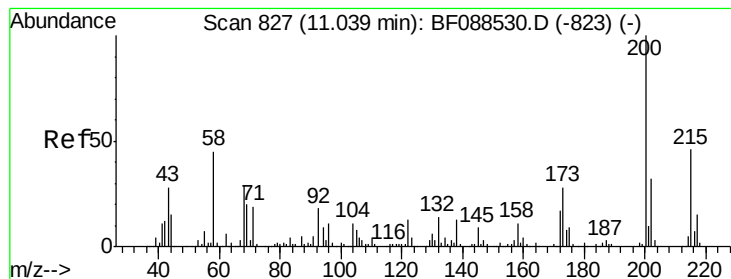
#67
 Hexachlorobenzene
 Concen: 3.01 ng
 RT: 10.81 min Scan# 807
 Delta R.T. -0.02 min
 Lab File: BF088985.D
 Acq: 14 Jul 2016 14:21

Tgt Ion:284 Resp: 8158
 Ion Ratio Lower Upper
 284 100
 142 22.6 35.8 53.8#
 249 32.0 25.8 38.6



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





#68

Atrazine

Concen: 3.62 ng

RT: 10.90 min Scan# 815

Delta R.T. -0.03 min

Lab File: BF088985.D

Acq: 14 Jul 2016 14:21

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

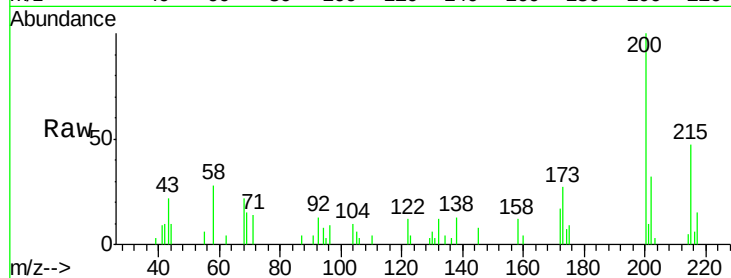
Tgt Ion:200 Resp: 9255

Ion Ratio Lower Upper

200 100

173 27.0 4.0 44.0

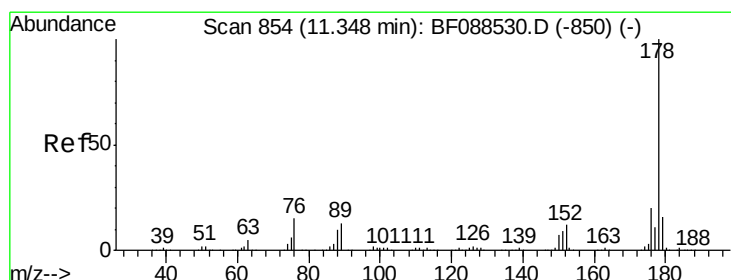
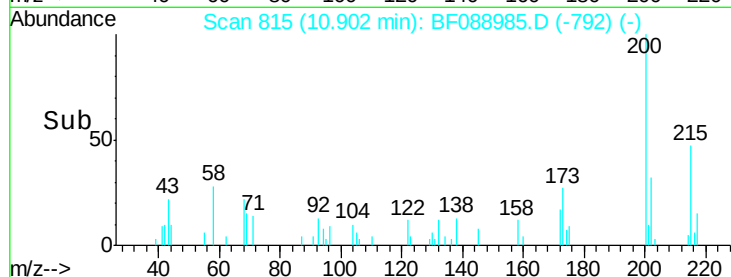
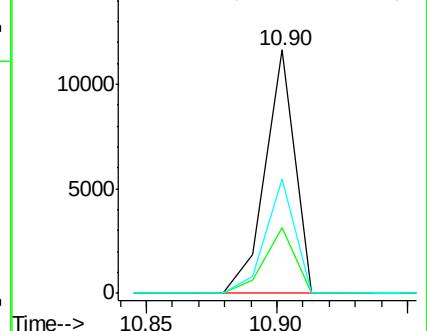
215 46.8 29.3 69.3



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



#70

Phenanthrene

Concen: 3.84 ng

RT: 11.21 min Scan# 842

Delta R.T. -0.03 min

Lab File: BF088985.D

Acq: 14 Jul 2016 14:21

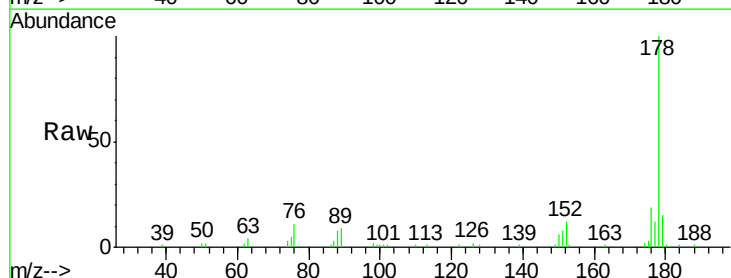
Tgt Ion:178 Resp: 50947

Ion Ratio Lower Upper

178 100

176 18.9 15.8 23.6

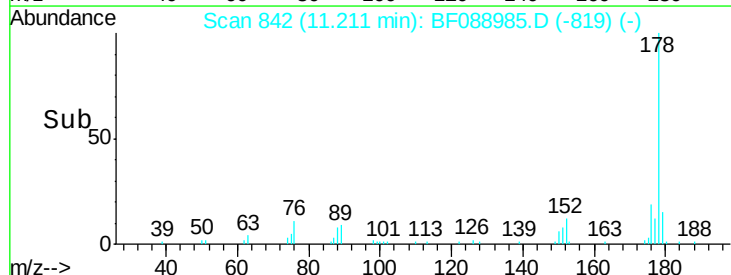
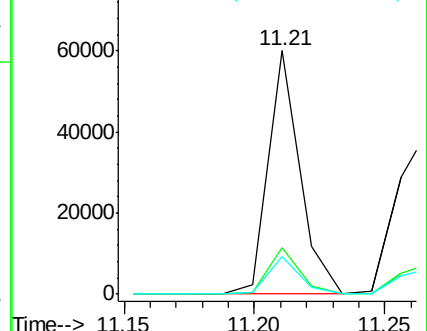
179 15.5 13.0 19.4

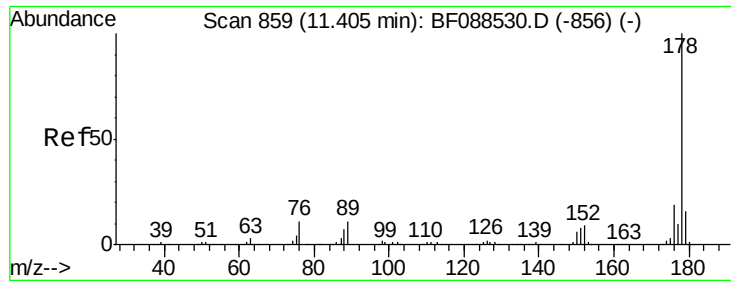


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

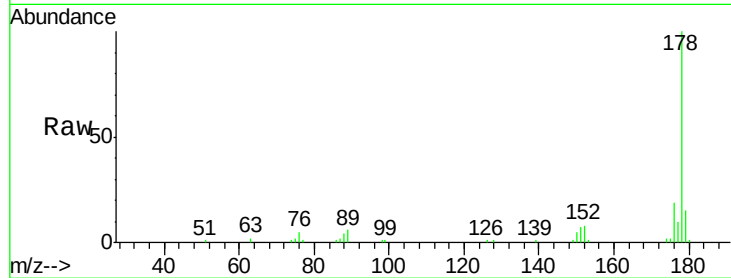




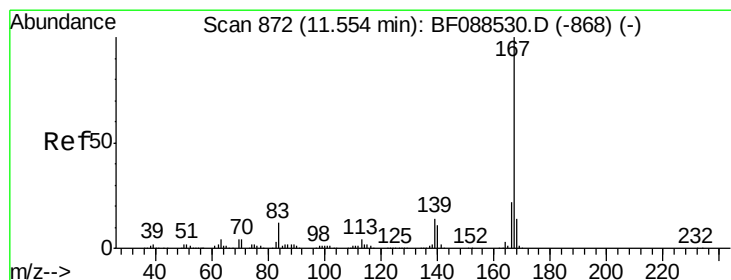
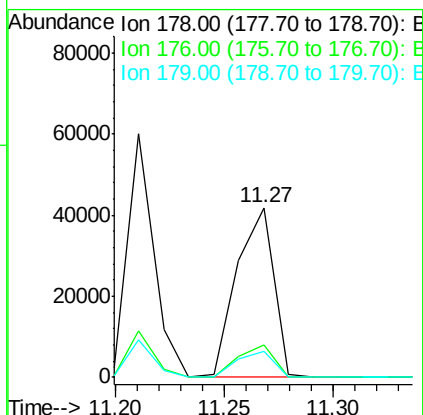
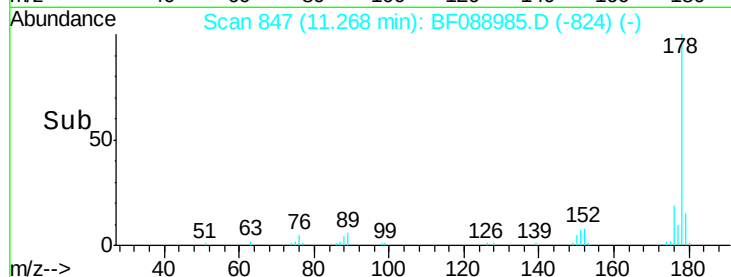
#71
 Anthracene
 Concen: 3.74 ng
 RT: 11.27 min Scan# 847
 Delta R.T. -0.03 min
 Lab File: BF088985.D
 Acq: 14 Jul 2016 14:21

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01

Tgt Ion:178 Resp: 49320
 Ion Ratio Lower Upper
 178 100
 176 19.2 15.6 23.4
 179 15.4 12.8 19.2

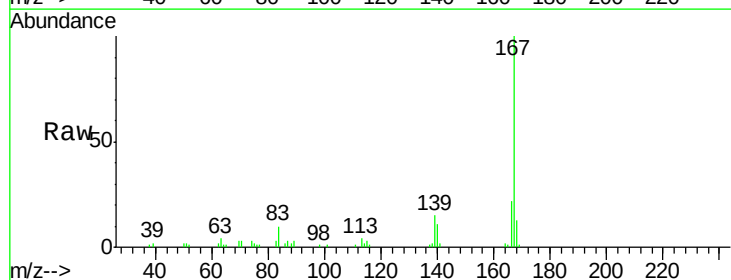


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

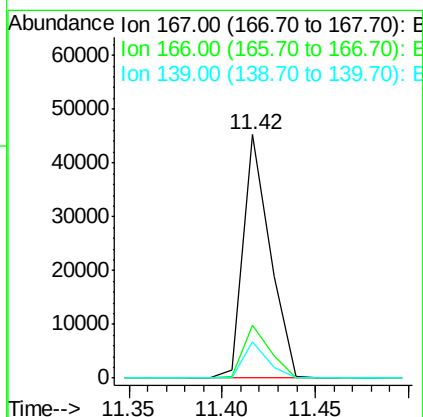
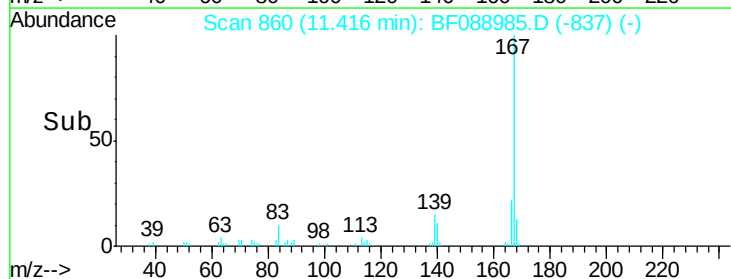


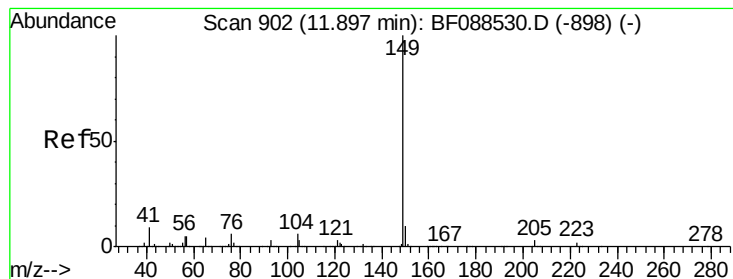
#72
 Carbazole
 Concen: 3.64 ng
 RT: 11.42 min Scan# 860
 Delta R.T. -0.03 min
 Lab File: BF088985.D
 Acq: 14 Jul 2016 14:21

Tgt Ion:167 Resp: 45202
 Ion Ratio Lower Upper
 167 100
 166 21.6 17.8 26.6
 139 15.1 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: 3.52 ng

RT: 11.76 min Scan# 890

Delta R.T. -0.03 min

Lab File: BF088985.D

Acq: 14 Jul 2016 14:21

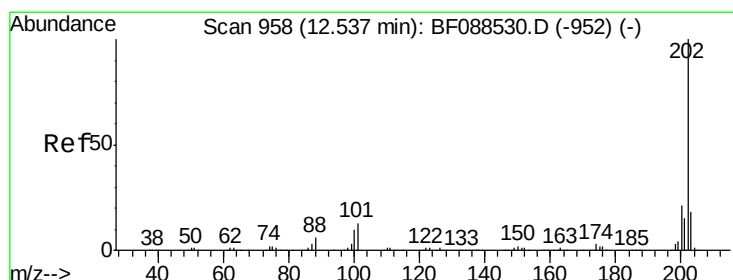
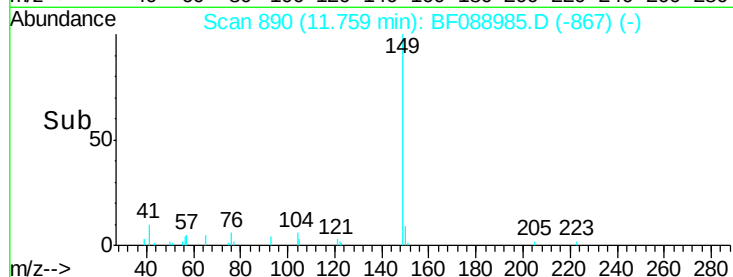
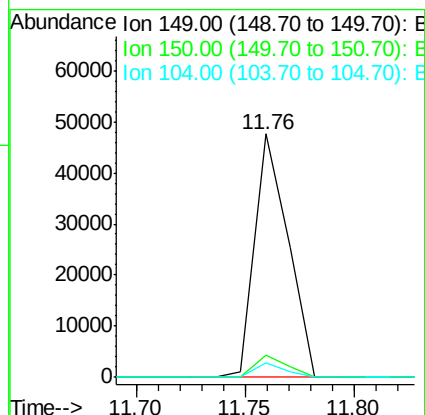
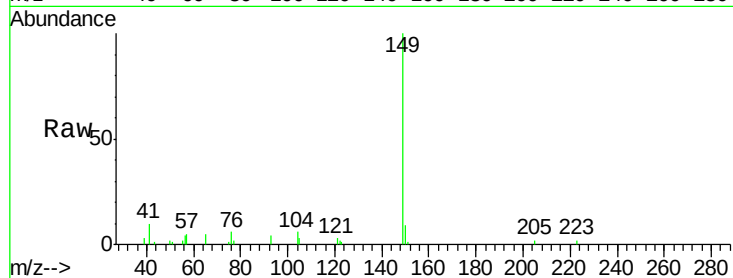
Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

Tgt Ion:	149	Resp:	50887
Ion Ratio	Lower	Upper	
149	100		
150	9.1	7.8	11.6
104	6.0	4.0	6.0#



#74

Fluoranthene

Concen: 3.80 ng

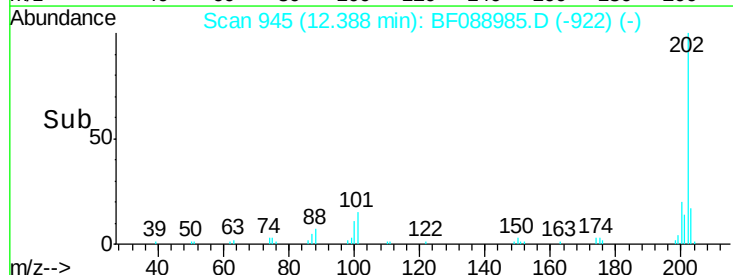
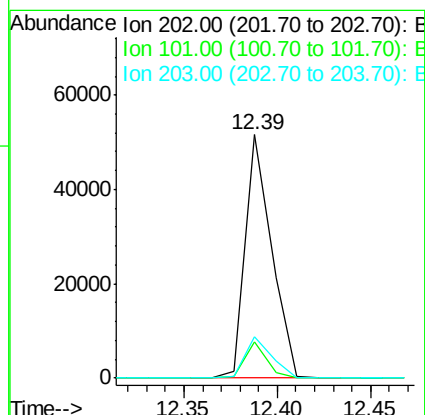
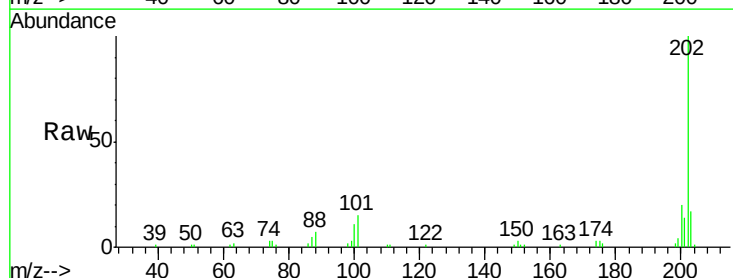
RT: 12.39 min Scan# 945

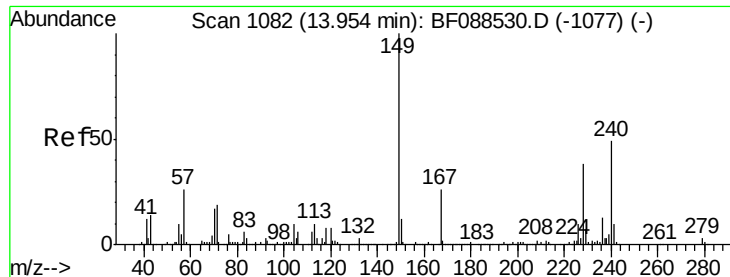
Delta R.T. -0.03 min

Lab File: BF088985.D

Acq: 14 Jul 2016 14:21

Tgt Ion:	202	Resp:	51155
Ion Ratio	Lower	Upper	
202	100		
101	14.7	0.0	33.1
203	17.2	0.0	38.1

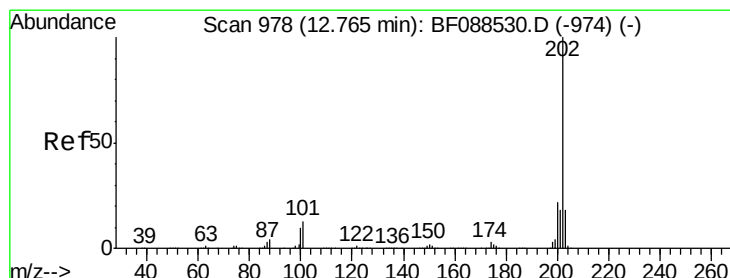
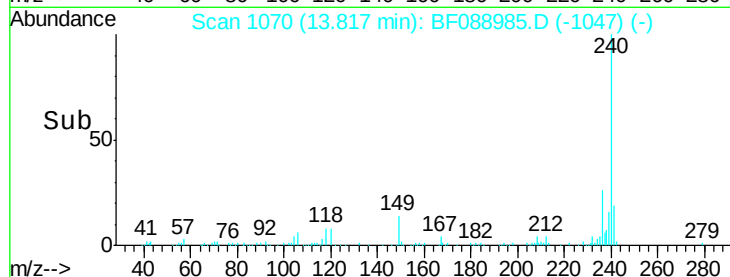
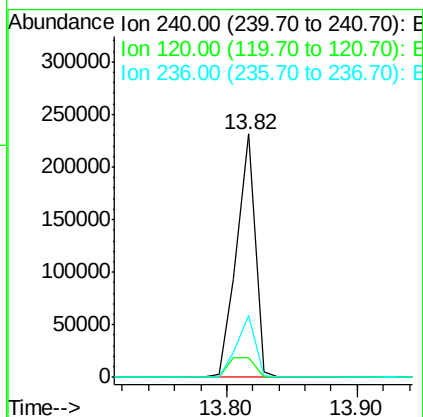
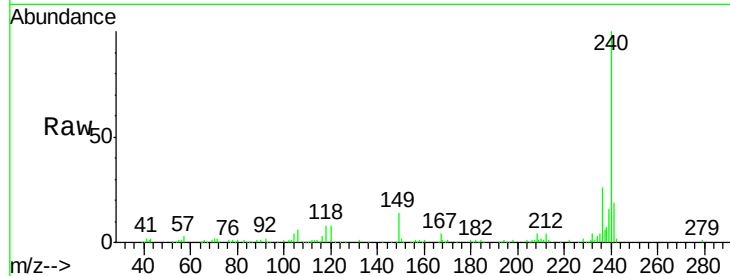




#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.82 min Scan# 1070
Delta R.T. -0.03 min
Lab File: BF088985.D
Acq: 14 Jul 2016 14:21

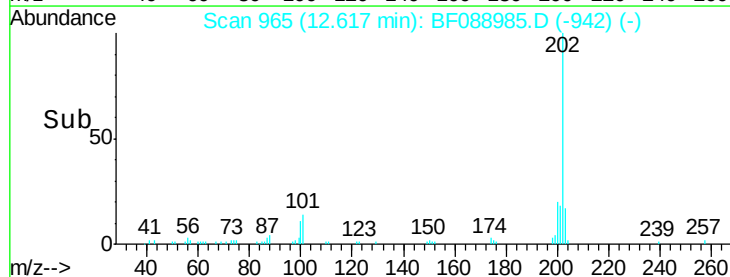
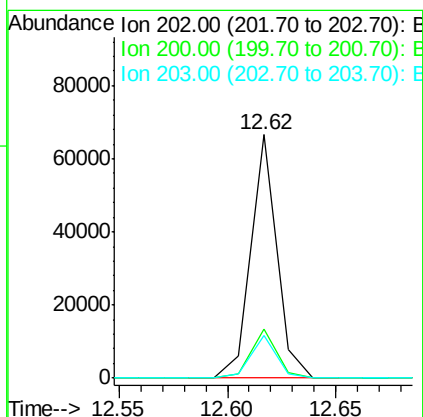
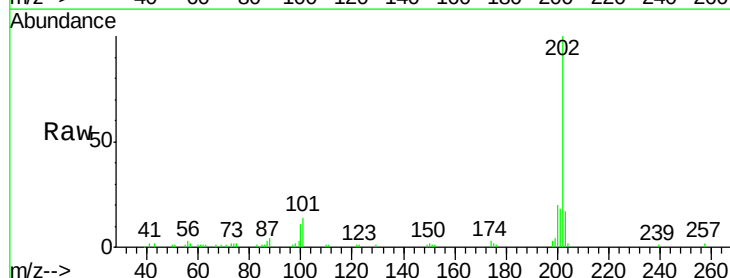
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2016-01

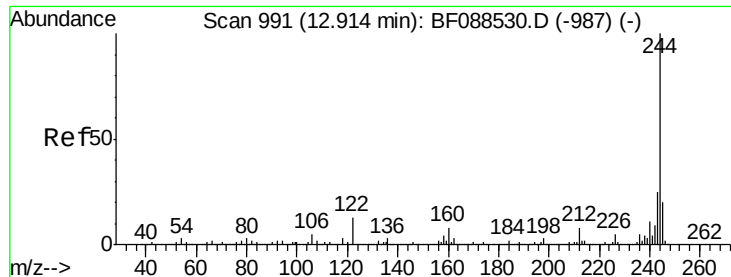
Tgt Ion:240 Resp: 228936
Ion Ratio Lower Upper
240 100
120 8.2 6.8 10.2
236 25.6 20.2 30.2



#77
Pyrene
Concen: 2.85 ng
RT: 12.62 min Scan# 965
Delta R.T. -0.03 min
Lab File: BF088985.D
Acq: 14 Jul 2016 14:21

Tgt Ion:202 Resp: 55234
Ion Ratio Lower Upper
202 100
200 20.0 17.4 26.2
203 17.3 14.5 21.7





#78

Terphenyl-d14

Concen: 53.42 ng

RT: 12.78 min Scan# 979

Delta R.T. -0.02 min

Lab File: BF088985.D

Acq: 14 Jul 2016 14:21

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

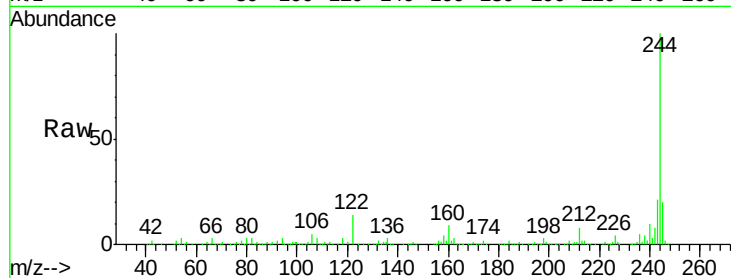
Tgt Ion:244 Resp: 549055

Ion Ratio Lower Upper

244 100

212 8.2 6.0 9.0

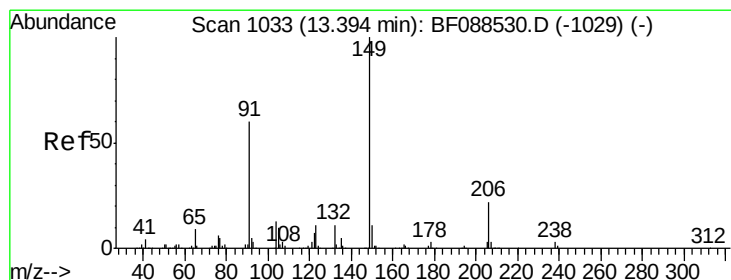
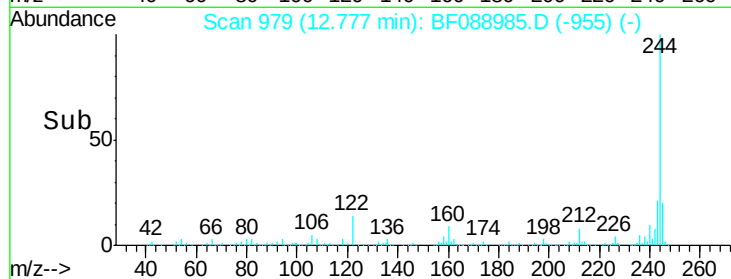
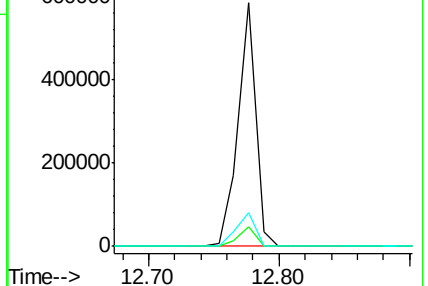
122 13.7 11.2 16.8



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: 2.55 ng

RT: 13.25 min Scan# 1020

Delta R.T. -0.03 min

Lab File: BF088985.D

Acq: 14 Jul 2016 14:21

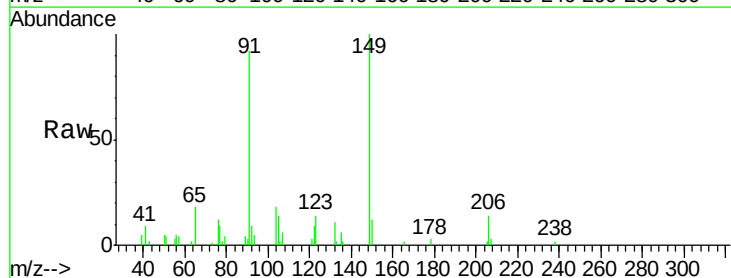
Tgt Ion:149 Resp: 22078

Ion Ratio Lower Upper

149 100

91 91.9 48.0 72.0#

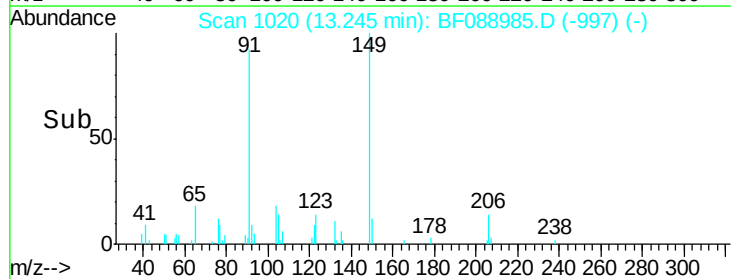
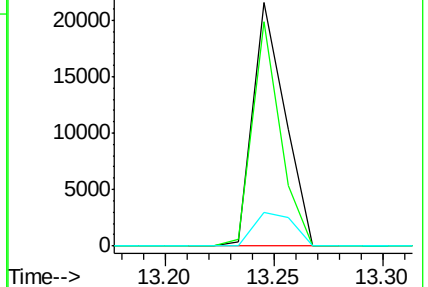
206 14.1 16.0 24.0#

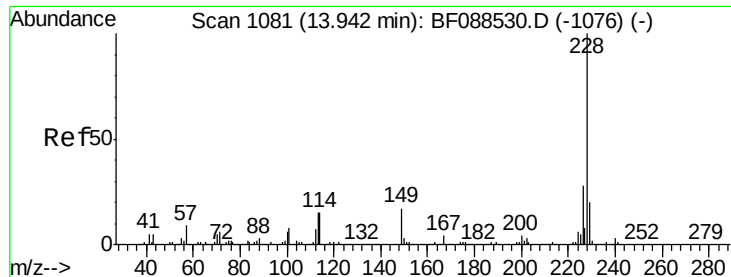


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E





#80

Benzo(a)anthracene

Concen: 3.05 ng

RT: 13.81 min Scan# 1069

Delta R.T. -0.03 min

Lab File: BF088985.D

Acq: 14 Jul 2016 14:21

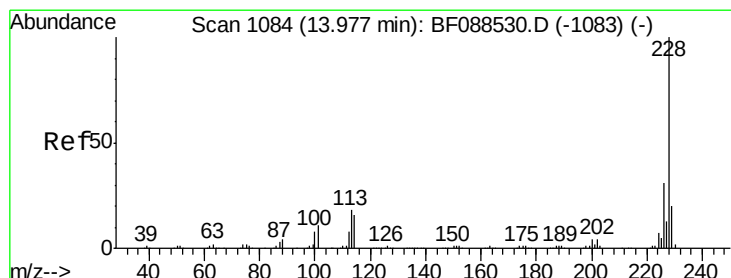
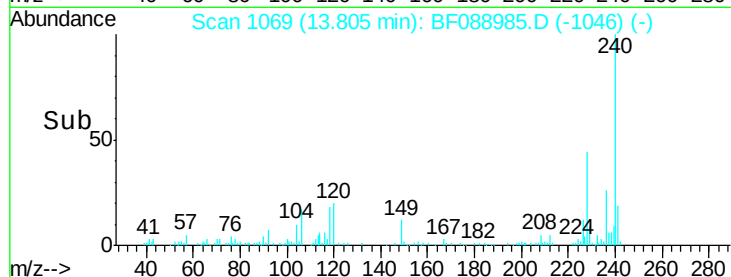
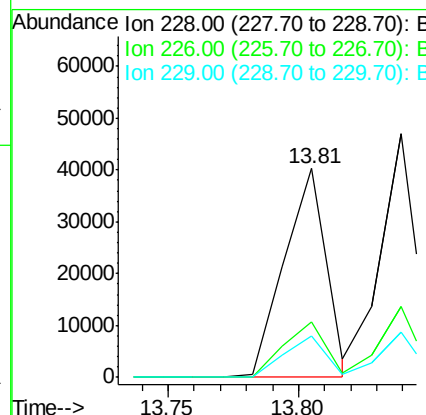
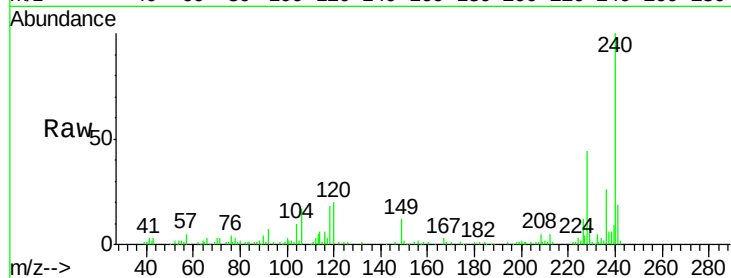
Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

Tgt Ion:	228	Resp:	44903
Ion	Ratio	Lower	Upper
228	100		
226	26.5	22.3	33.5
229	19.7	16.0	24.0



#82

Chrysene

Concen: 2.93 ng

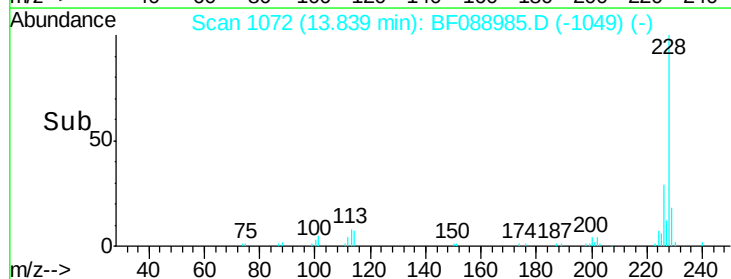
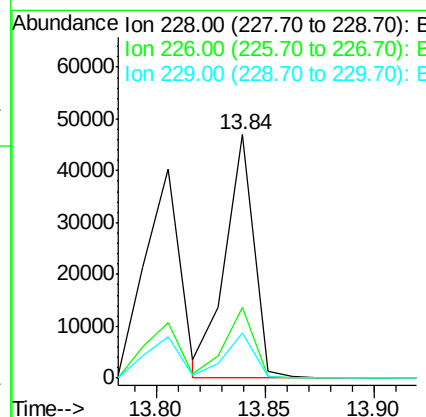
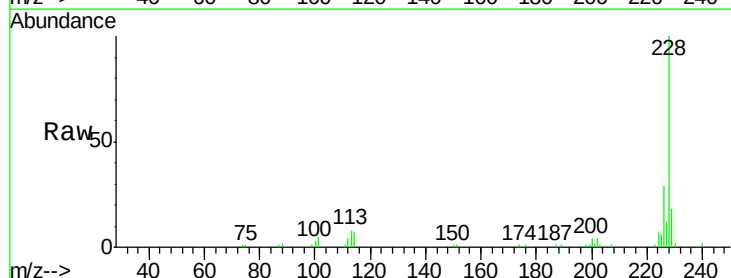
RT: 13.84 min Scan# 1072

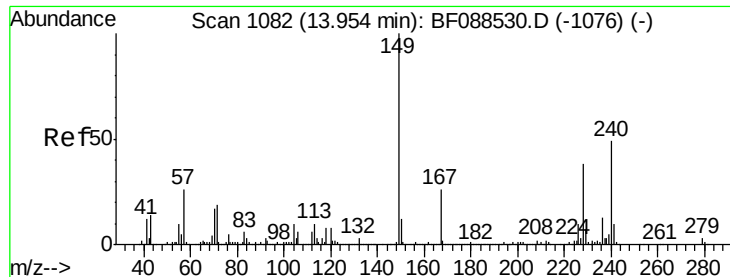
Delta R.T. -0.03 min

Lab File: BF088985.D

Acq: 14 Jul 2016 14:21

Tgt Ion:	228	Resp:	42786
Ion	Ratio	Lower	Upper
228	100		
226	29.0	25.4	38.2
229	18.4	16.3	24.5





#83

Bis(2-ethylhexyl)phthalate

Concen: 3.15 ng

RT: 13.82 min Scan# 1070

Delta R.T. -0.02 min

Lab File: BF088985.D

Acq: 14 Jul 2016 14:21

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

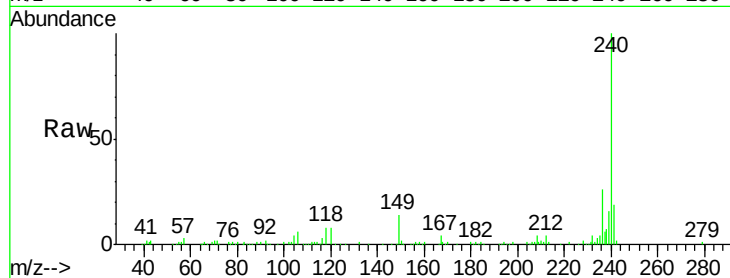
Tgt Ion:149 Resp: 31151

Ion Ratio Lower Upper

149 100

167 26.1 20.5 30.7

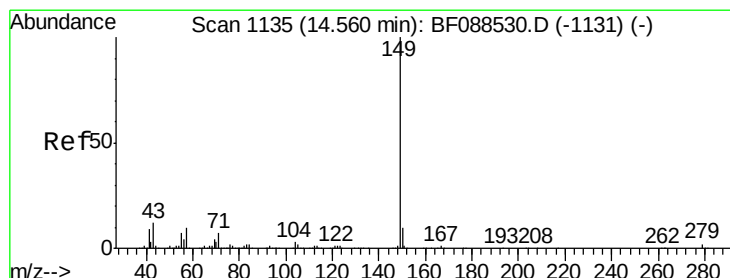
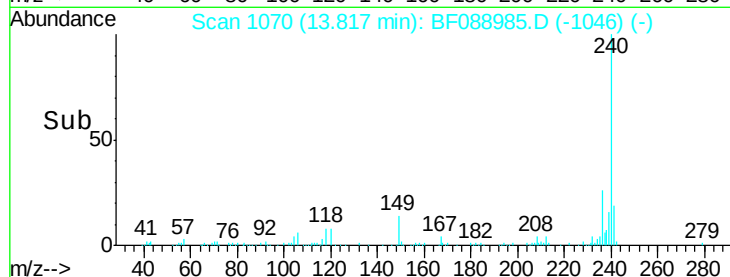
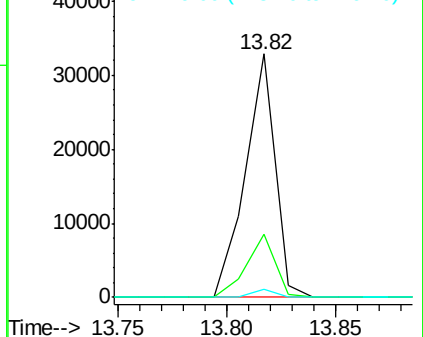
279 3.5 2.0 3.0#



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: 3.23 ng

RT: 14.42 min Scan# 1123

Delta R.T. -0.03 min

Lab File: BF088985.D

Acq: 14 Jul 2016 14:21

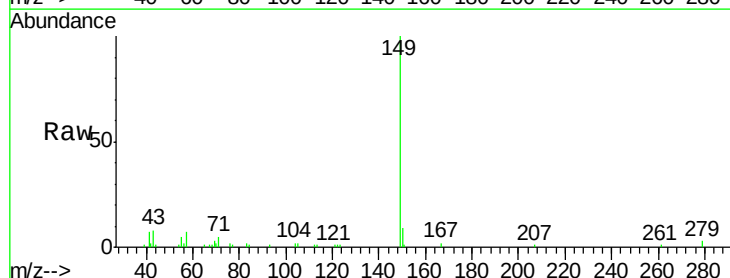
Tgt Ion:149 Resp: 54297

Ion Ratio Lower Upper

149 100

167 1.3 0.0 0.0#

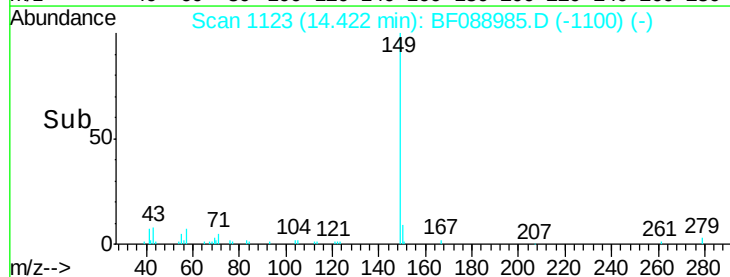
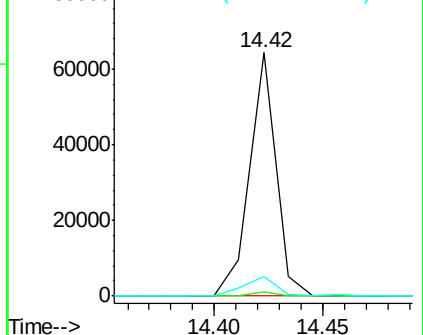
43 10.2 0.0 0.0#

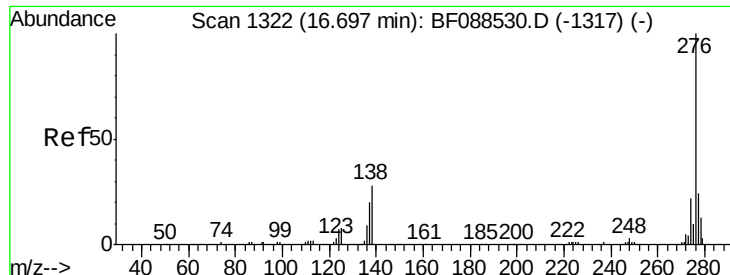


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0

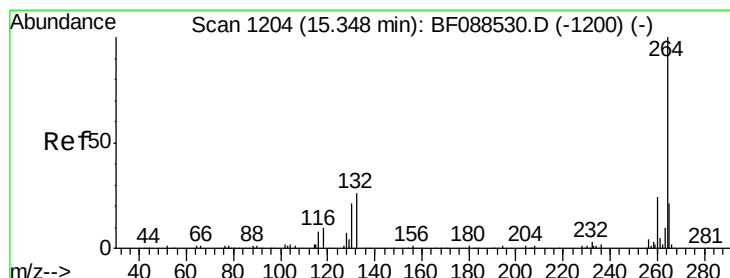
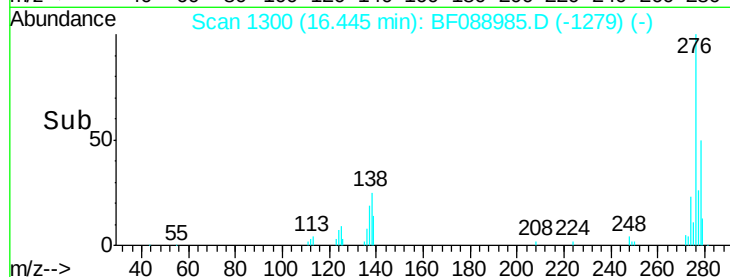
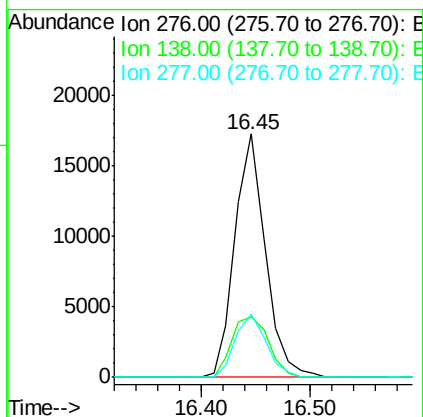
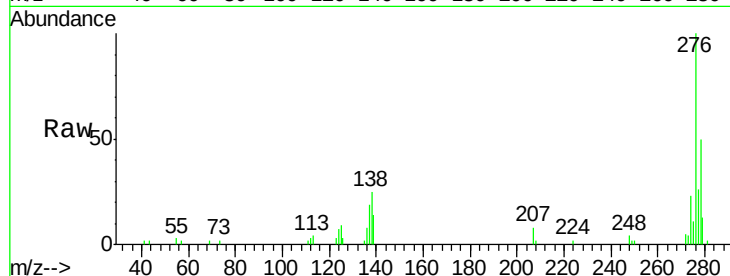




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.99 ng
 RT: 16.45 min Scan# 1300
 Delta R.T. -0.06 min
 Lab File: BF088985.D
 Acq: 14 Jul 2016 14:21

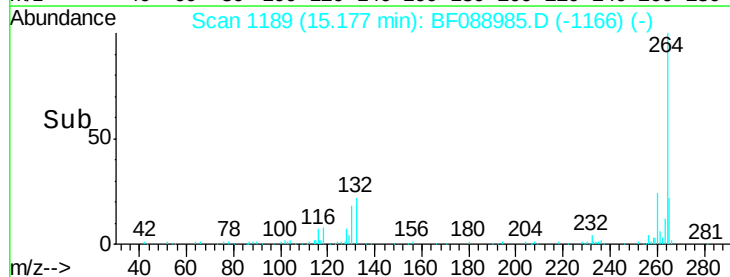
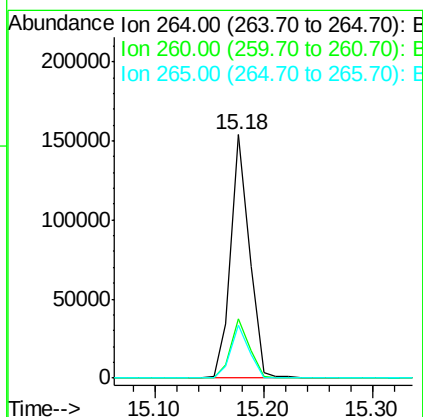
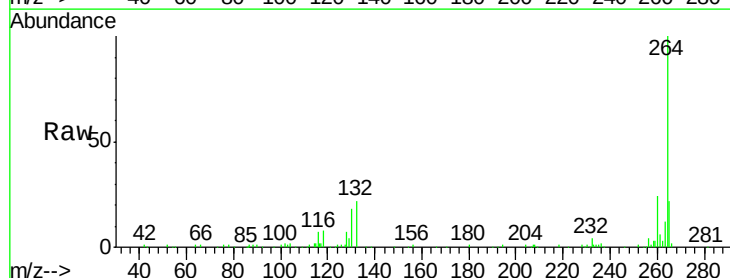
Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01

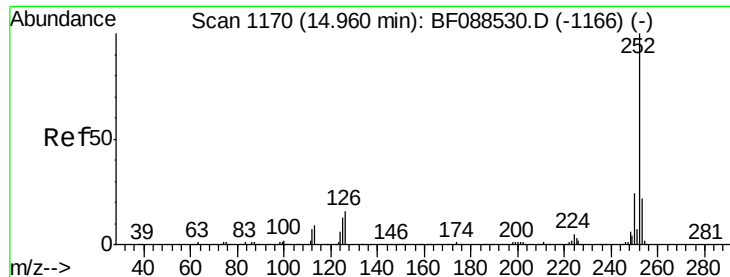
Tgt Ion: 276 Resp: 33598
 Ion Ratio Lower Upper
 276 100
 138 29.7 0.0 0.0#
 277 26.5 0.0 0.0#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.18 min Scan# 1189
 Delta R.T. -0.03 min
 Lab File: BF088985.D
 Acq: 14 Jul 2016 14:21

Tgt Ion: 264 Resp: 182670
 Ion Ratio Lower Upper
 264 100
 260 24.2 19.2 28.8
 265 21.6 16.9 25.3

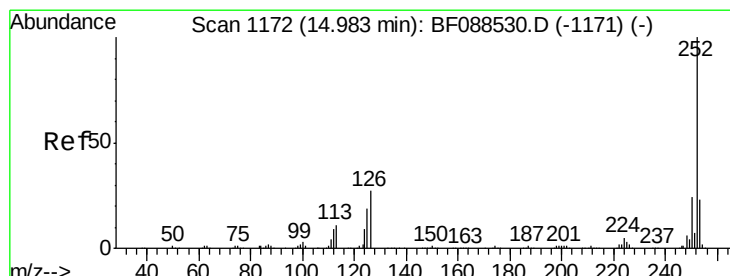
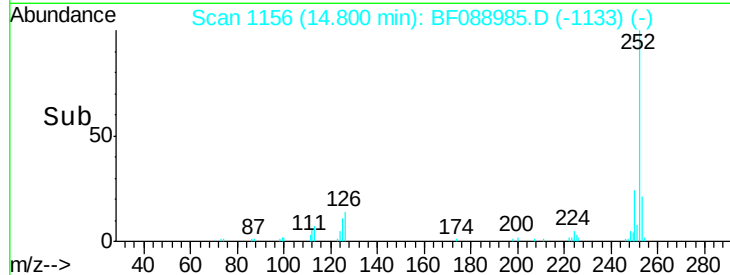
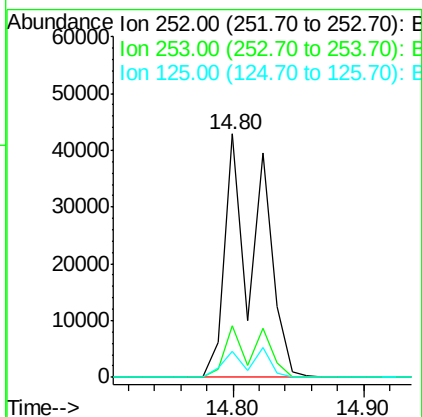
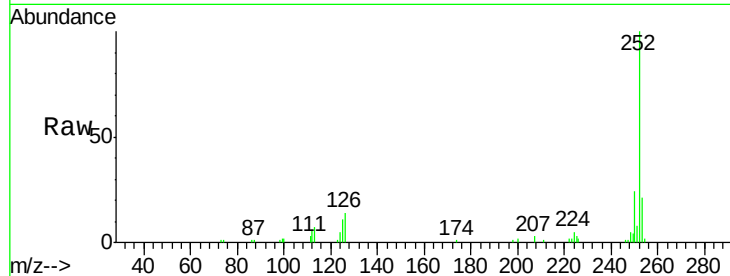




#87
Benzo(b)fluoranthene
Concen: 6.72 ng
RT: 14.80 min Scan# 1156
Delta R.T. -0.03 min
Lab File: BF088985.D
Acq: 14 Jul 2016 14:21

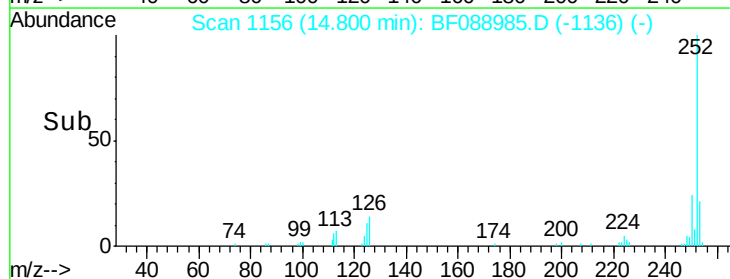
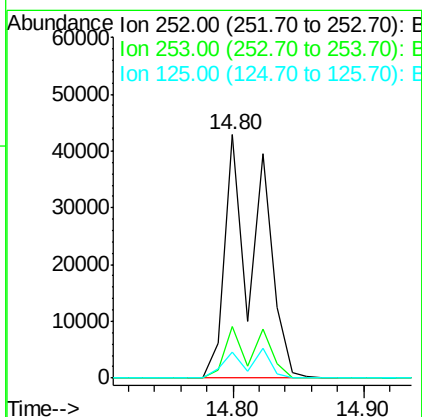
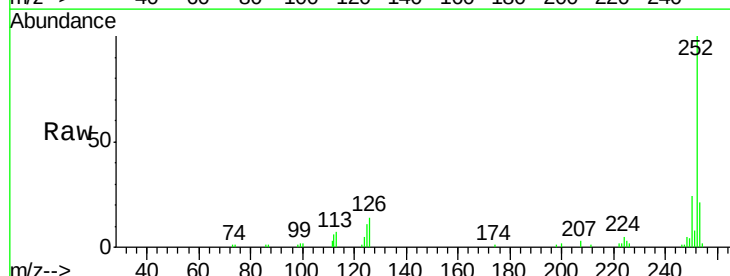
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2016-01

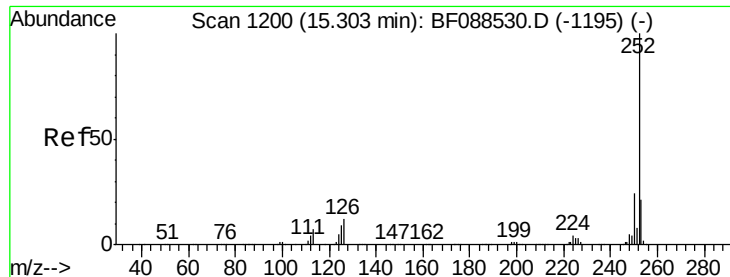
Tgt Ion:252 Resp: 76989
Ion Ratio Lower Upper
252 100
253 21.1 17.4 26.2
125 10.8 7.1 10.7#



#88
Benzo(k)fluoranthene
Concen: 7.72 ng
RT: 14.80 min Scan# 1156
Delta R.T. -0.07 min
Lab File: BF088985.D
Acq: 14 Jul 2016 14:21

Tgt Ion:252 Resp: 76989
Ion Ratio Lower Upper
252 100
253 21.1 18.0 27.0
125 10.8 11.2 16.8#





#89

Benzo(a)pyrene

Concen: 3.60 ng

RT: 15.12 min Scan# 1184

Delta R.T. -0.05 min

Lab File: BF088985.D

Acq: 14 Jul 2016 14:21

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

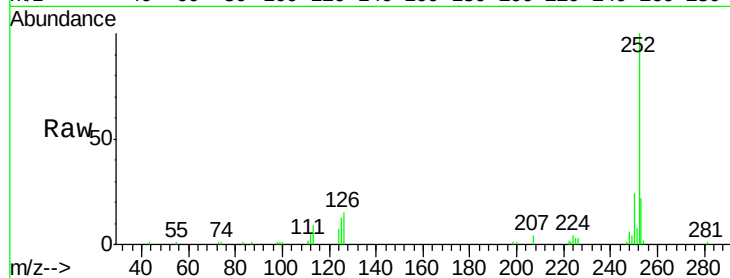
Tgt Ion:252 Resp: 34963

Ion Ratio Lower Upper

252 100

253 21.6 17.9 26.9

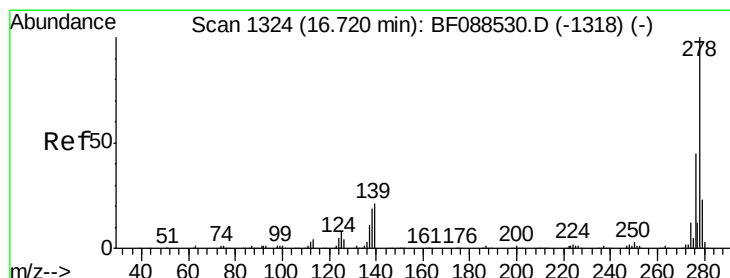
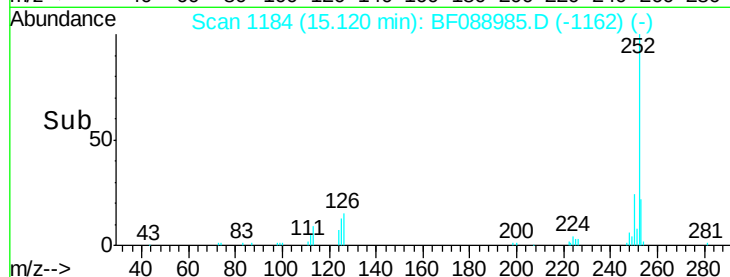
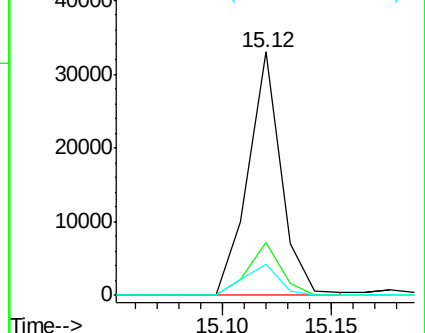
125 12.8 12.5 18.7



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Dibenzo(a,h)anthracene

Concen: 3.40 ng

RT: 16.46 min Scan# 1301

Delta R.T. -0.06 min

Lab File: BF088985.D

Acq: 14 Jul 2016 14:21

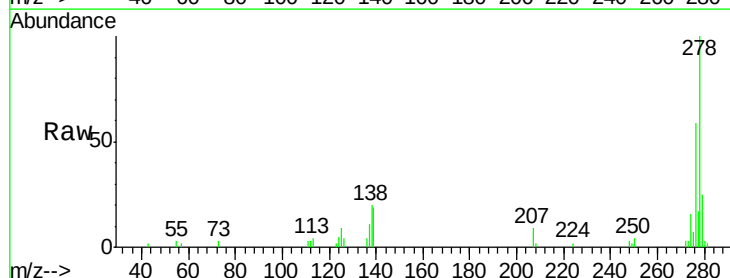
Tgt Ion:278 Resp: 27531

Ion Ratio Lower Upper

278 100

139 19.2 15.7 23.5

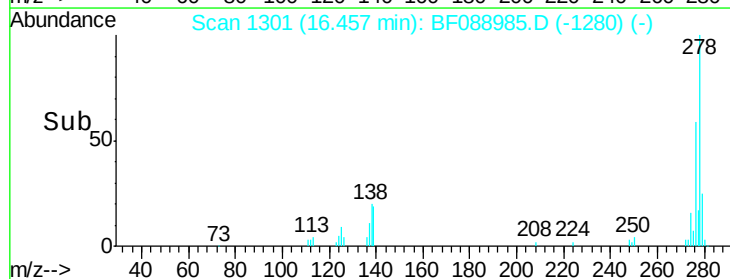
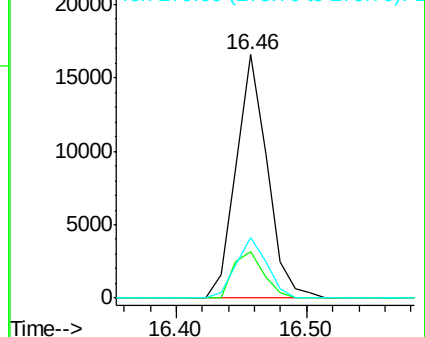
279 24.8 19.4 29.2

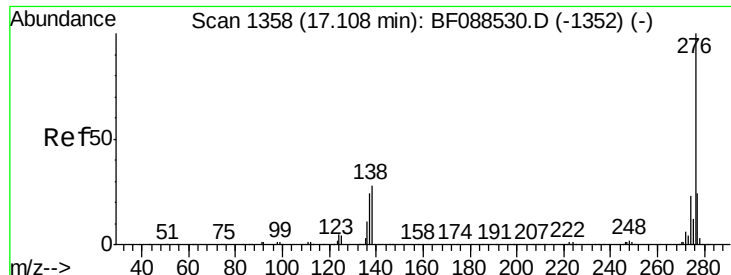


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(g,h,i)perylene

Concen: 3.32 ng

RT: 16.82 min Scan# 1333

Delta R.T. -0.07 min

Lab File: BF088985.D

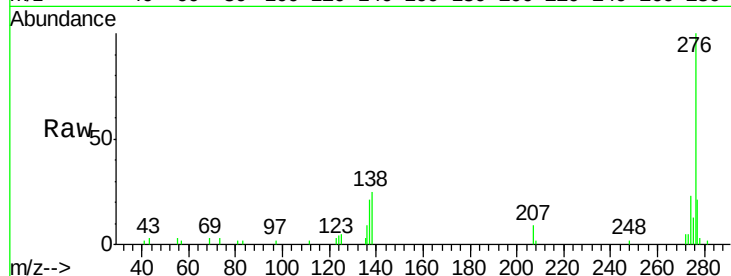
Acq: 14 Jul 2016 14:21

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01



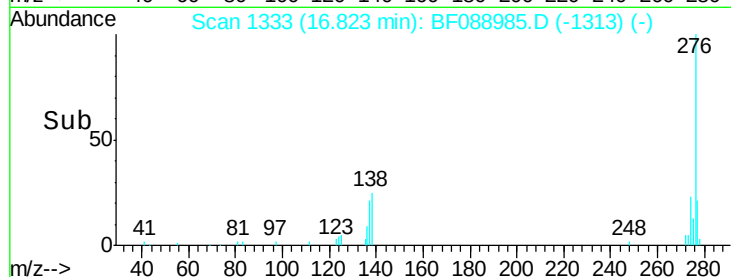
Tgt Ion: 276 Resp: 27822

Ion Ratio Lower Upper

276 100

277 21.3 18.9 28.3

138 25.0 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

