

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100715\
 Data File : BF082107.D
 Acq On : 7 Oct 2015 16:30
 Operator : UM/IZ
 Sample : G3707-03
 Misc : LOD 8PPM
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2015-01

Quant Time: Oct 08 02:50:59 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 08 02:46:05 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	82892	20.00	ng	-0.01
21) Naphthalene-d8	8.16	136	335097	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	167023	20.00	ng	0.00
63) Phenanthrene-d10	11.41	188	337553	20.00	ng	0.00
75) Chrysene-d12	14.05	240	333510	20.00	ng	-0.01
86) Perylene-d12	15.49	264	264516	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	533225	116.78	ng	0.00
7) Phenol-d6	6.50	99	645336	112.31	ng	0.00
23) Nitrobenzene-d5	7.44	82	417910	83.13	ng	-0.01
41) 2,4,6-Tribromophenol	10.71	330	206267	121.94	ng	-0.01
44) 2-Fluorobiphenyl	9.23	172	840528	84.02	ng	-0.01
78) Terphenyl-d14	13.00	244	1019179	105.67	ng	0.00

Target Compounds				Qvalue		
2) 1,4-Dioxane	2.49	88	9233	4.65	ng	99
3) Pyridine	3.29	79	16510	3.19	ng	# 82
4) n-Nitrosodimethylamine	3.22	42	5384	2.29	ng	# 97
6) Aniline	6.54	93	16981	2.20	ng	# 75
8) 2-Chlorophenol	6.65	128	33038	6.55	ng	86
9) Benzaldehyde	6.42	77	17175	4.56	ng	# 84
10) Phenol	6.51	94	43709	6.78	ng	# 60
11) bis(2-Chloroethyl)ether	6.61	93	33174	6.64	ng	96
12) 1,3-Dichlorobenzene	6.81	146	35501	5.96	ng	# 94
13) 1,4-Dichlorobenzene	6.89	146	38717	6.23	ng	# 94
14) 1,2-Dichlorobenzene	6.89	146	38717	6.99	ng	96
15) Benzyl Alcohol	7.03	79	24571	5.92	ng	# 48
16) 2,2'-oxybis(1-Chloropropan	7.15	45	45966	6.50	ng	73
17) 2-Methylphenol	7.13	107	23240	5.68	ng	# 88
18) Hexachloroethane	7.38	117	13051	6.70	ng	# 81
19) n-Nitroso-di-n-propylamine	7.28	70	21654	6.20	ng	# 80
20) 3+4-Methylphenols	7.28	107	27627	5.35	ng	# 44
22) Acetophenone	7.28	105	42939	6.27	ng	# 73
24) Nitrobenzene	7.46	77	29912	5.48	ng	# 77
25) Isophorone	7.69	82	67537	6.78	ng	# 90
26) 2-Nitrophenol	7.78	139	14793	5.65	ng	# 81
27) 2,4-Dimethylphenol	7.82	122	23559	5.11	ng	90
28) bis(2-Chloroethoxy)methane	7.91	93	35701	6.03	ng	# 94
29) 2,4-Dichlorophenol	8.02	162	25453	5.69	ng	97
30) 1,2,4-Trichlorobenzene	8.10	180	30345	6.08	ng	98
31) Naphthalene	8.18	128	98289	6.62	ng	99
32) Benzoic acid	7.82	122	23559	14.58	ng	# 26
33) 4-Chloroaniline	8.25	127	18614	2.90	ng	# 97
34) Hexachlorobutadiene	8.30	225	19341	6.55	ng	99
35) Caprolactam	8.57	113	6814	5.51	ng	98
36) 4-Chloro-3-methylphenol	8.71	107	27030	6.18	ng	# 83
37) 2-Methylnaphthalene	8.87	142	60775	6.00	ng	# 92
39) 1,2,4,5-Tetrachlorobenzene	9.04	216	31589	6.16	ng	# 95
40) Hexachlorocyclopentadiene	9.03	237	7435	2.82	ng	97

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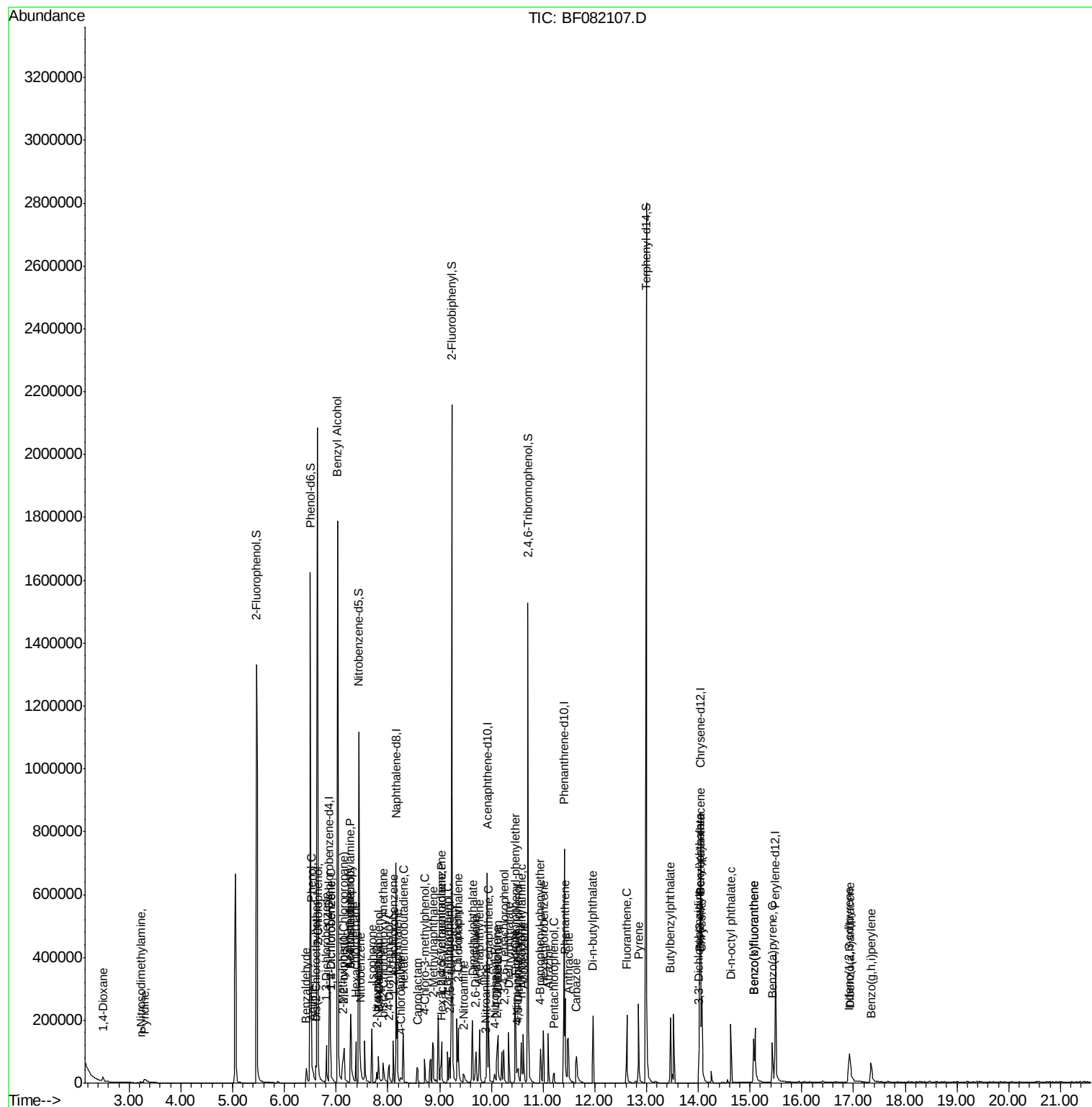
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.15	196	18322	5.21	nq	96
43) 2,4,5-Trichlorophenol	9.19	196	23832	6.59	nq	# 93
45) 1,1'-Biphenyl	9.34	154	83546	6.48	nq	97
46) 2-Chloronaphthalene	9.36	162	64148	6.34	nq	# 92
47) 2-Nitroaniline	9.46	65	15622	5.26	nq	# 71
48) Acenaphthylene	9.77	152	103289	6.38	nq	98
49) Dimethylphthalate	9.63	163	81182	7.04	nq	# 97
50) 2,6-Dinitrotoluene	9.70	165	15366	6.14	nq	90
51) Acenaphthene	9.94	154	59814	6.22	nq	88
52) 3-Nitroaniline	9.89	138	13114	4.53	nq	# 81
54) Dibenzofuran	10.13	168	88378	6.50	nq	93
55) 4-Nitrophenol	10.07	139	4223	2.02	nq	# 22
56) 2,4-Dinitrotoluene	10.10	165	20661	6.48	nq	# 77
57) Fluorene	10.47	166	72177	5.55	nq	94
58) 2,3,4,6-Tetrachlorophenol	10.24	232	19615	6.84	nq	# 90
59) Diethylphthalate	10.33	149	72994	6.78	nq	98
60) 4-Chlorophenyl-phenylether	10.46	204	35098	7.05	nq	89
61) 4-Nitroaniline	10.50	138	15609	5.38	nq	# 55
62) Azobenzene	10.62	77	69500	6.61	nq	90
64) 4,6-Dinitro-2-methylphenol	10.51	198	6072	5.91	nq	81
65) n-Nitrosodiphenylamine	10.58	169	62239	6.09	nq	92
66) 4-Bromophenyl-phenylether	10.95	248	22816	6.70	nq	99
67) Hexachlorobenzene	11.01	284	23296	6.06	nq	# 85
68) Atrazine	11.10	200	20175	6.37	nq	84
69) Pentachlorophenol	11.21	266	8174	3.73	nq	97
70) Phenanthrene	11.43	178	112457	5.46	nq	98
71) Anthracene	11.49	178	123466	7.20	nq	100
72) Carbazole	11.65	167	103164	6.64	nq	99
73) Di-n-butylphthalate	11.97	149	124155	6.71	nq	# 98
74) Fluoranthene	12.62	202	123780	6.85	nq	87
77) Pyrene	12.85	202	130518	6.55	nq	98
79) Butylbenzylphthalate	13.46	149	51874	6.92	nq	96
80) Benzo(a)anthracene	14.04	228	116401	6.48	nq	98
81) 3,3'-Dichlorobenzidine	14.01	252	21397	3.53	nq	# 92
82) Chrysene	14.07	228	116129	5.87	nq	97
83) Bis(2-ethylhexyl)phthalate	14.02	149	72824	7.74	nq	# 92
84) Di-n-octyl phthalate	14.63	149	109746	7.17	nq	94
85) Indeno(1,2,3-cd)pyrene	16.92	276	82103	5.84	nq	# 88
87) Benzo(b)fluoranthene	15.08	252	95307	6.31	nq	# 84
88) Benzo(k)fluoranthene	15.08	252	95307	6.89	nq	# 86
89) Benzo(a)pyrene	15.43	252	95252	7.27	nq	# 86
90) Dibenzo(a,h)anthracene	16.93	278	67222	6.12	nq	# 82
91) Benzo(g,h,i)perylene	17.34	276	69670	6.19	nq	# 77

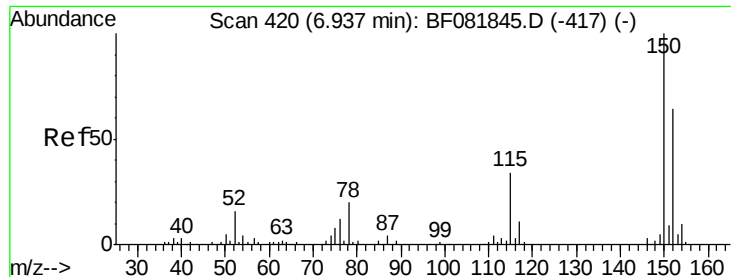
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.87 min Scan# 414

Delta R.T. -0.01 min

Lab File: BF082107.D

Acq: 7 Oct 2015 16:30

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2015-01

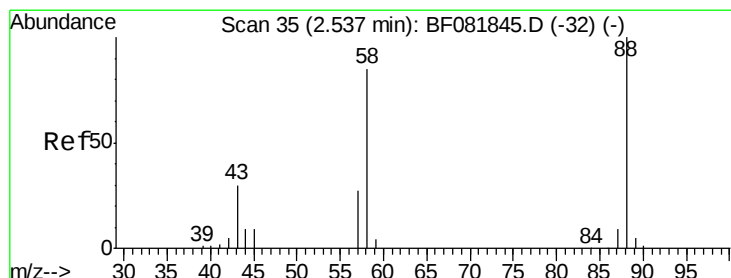
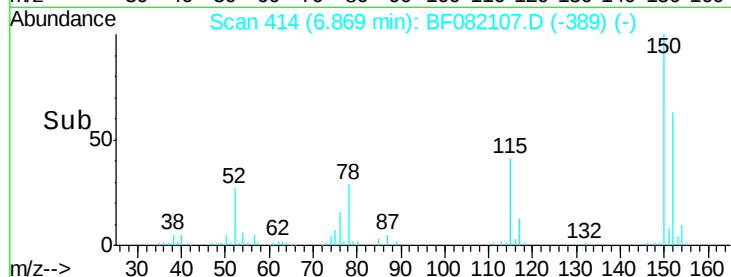
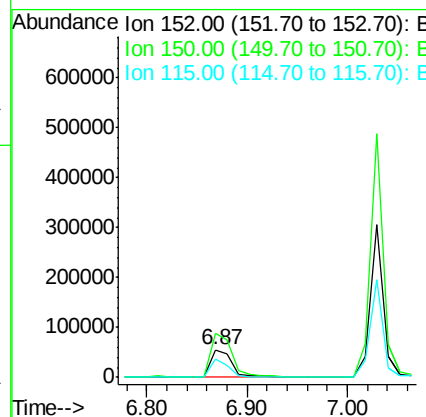
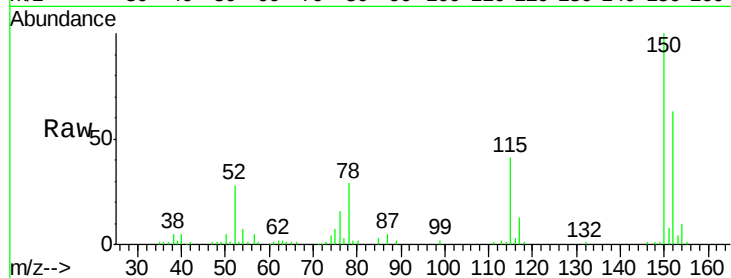
Tot Ion:152 Resp: 82892

Ion Ratio Lower Upper

152 100

150 158.3 124.7 187.1

115 65.5 39.0 58.4#



#2

1,4-Dioxane

Concen: 4.65 ng

RT: 2.49 min Scan# 31

Delta R.T. 0.05 min

Lab File: BF082107.D

Acq: 7 Oct 2015 16:30

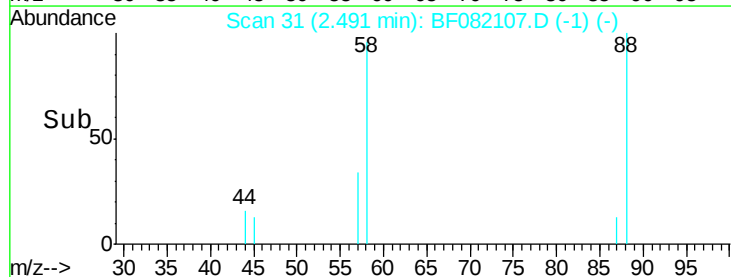
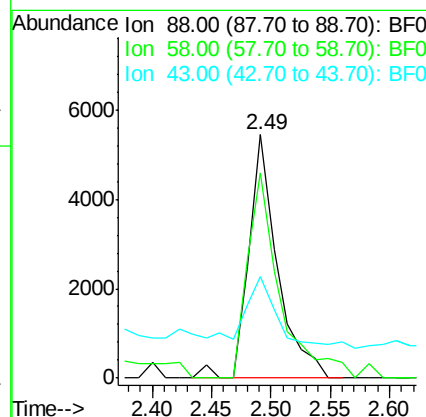
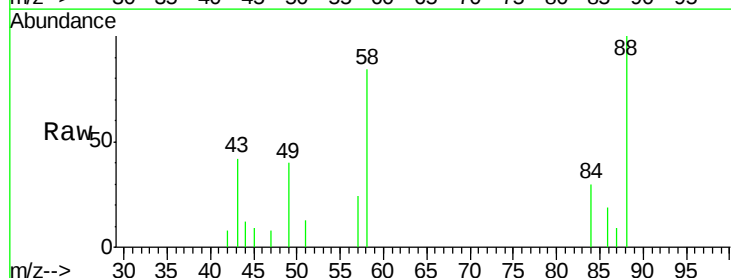
Tgt Ion: 88 Resp: 9233

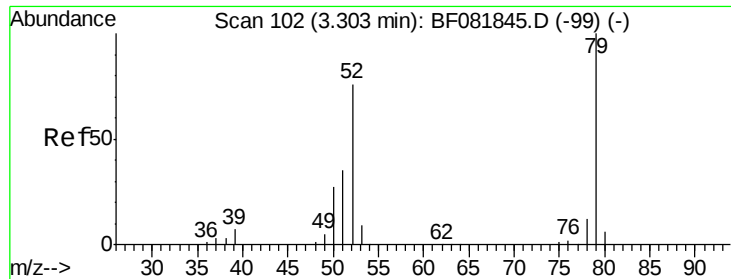
Ion Ratio Lower Upper

88 100

58 96.5 77.7 116.5

43 35.3 26.6 40.0

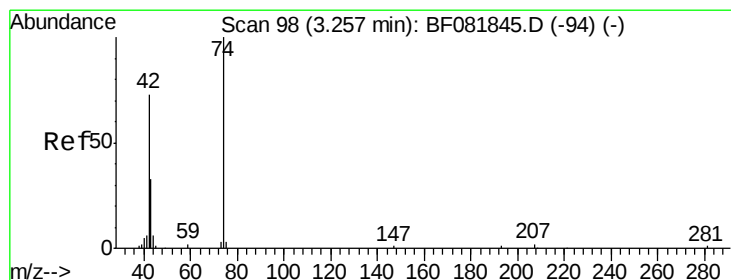
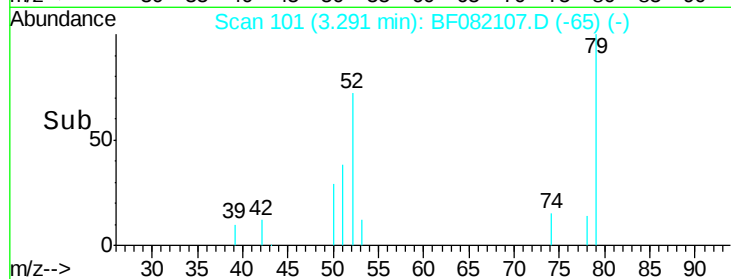
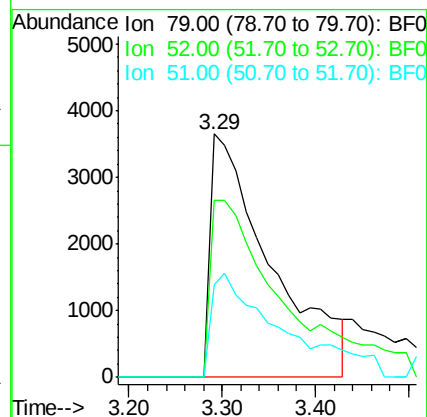
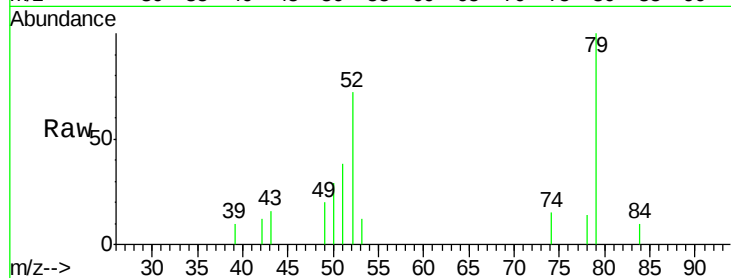




#3
 Pvridine
 Concen: 3.19 ng
 RT: 3.29 min Scan# 101
 Delta R.T. 0.11 min
 Lab File: BF082107.D
 Acq: 7 Oct 2015 16:30

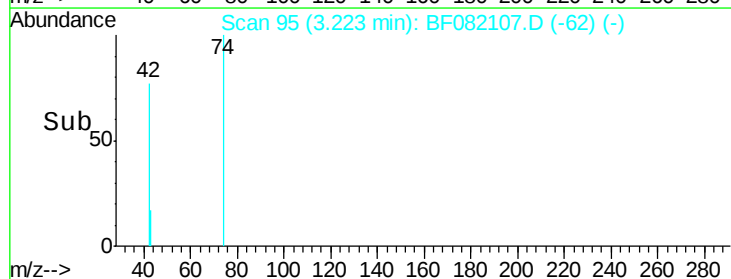
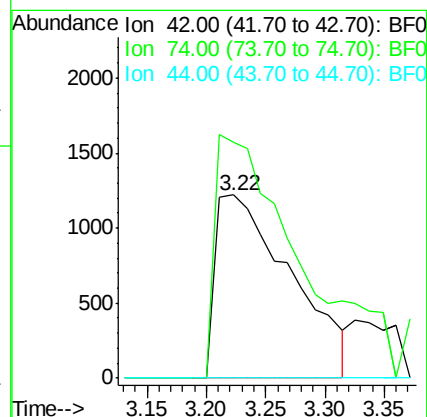
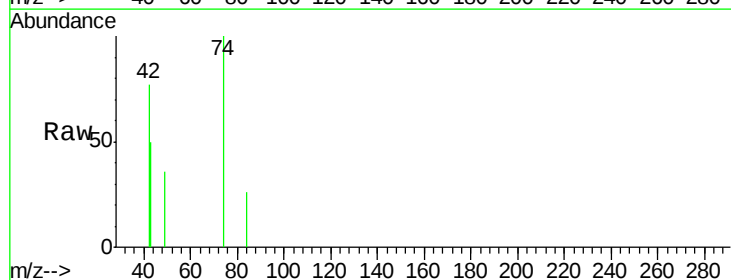
Instrument :
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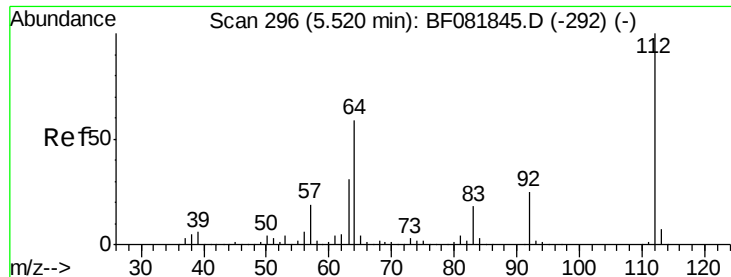
Tot Ion: 79 Resp: 16510
 Ion Ratio Lower Upper
 79 100
 52 72.5 76.8 115.2#
 51 38.1 32.2 48.4



#4
 n-Nitrosodimethylamine
 Concen: 2.29 ng
 RT: 3.22 min Scan# 95
 Delta R.T. 0.08 min
 Lab File: BF082107.D
 Acq: 7 Oct 2015 16:30

Tgt Ion: 42 Resp: 5384
 Ion Ratio Lower Upper
 42 100
 74 129.2 105.0 157.6
 44 0.0 6.6 10.0#





#5

2-Fluorophenol

Concen: 116.78 ng

RT: 5.46 min Scan# 291

Delta R.T. -0.00 min

Lab File: BF082107.D

Acq: 7 Oct 2015 16:30

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2015-01

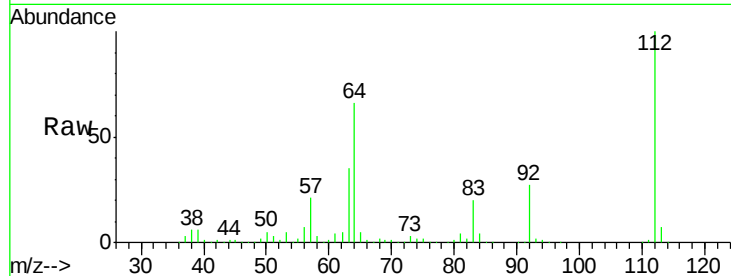
Tot Ion:112 Resp: 533225

Ion Ratio Lower Upper

112 100

64 65.7 39.7 59.5#

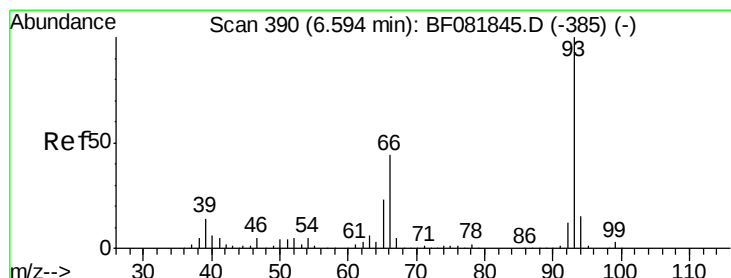
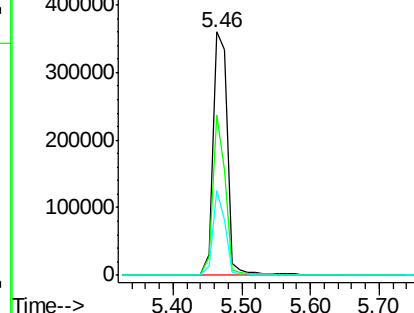
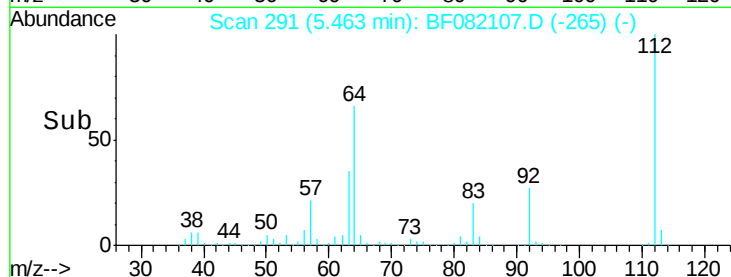
63 34.7 17.4 26.0#



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 2.20 ng

RT: 6.54 min Scan# 385

Delta R.T. 0.00 min

Lab File: BF082107.D

Acq: 7 Oct 2015 16:30

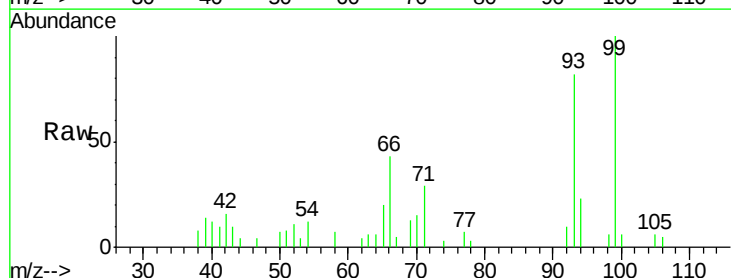
Tgt Ion: 93 Resp: 16981

Ion Ratio Lower Upper

93 100

66 52.2 27.2 40.8#

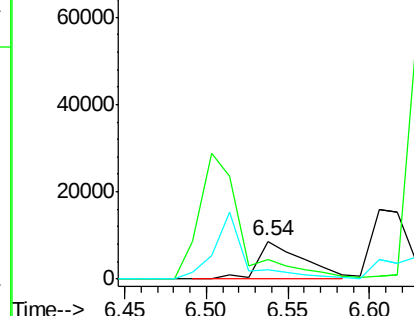
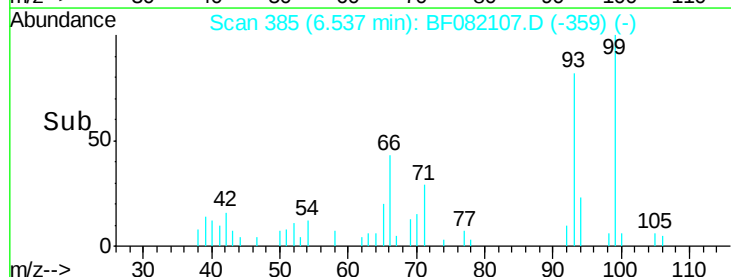
65 24.5 14.7 22.1#

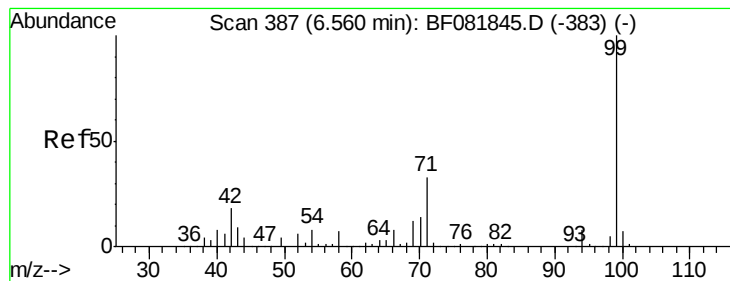


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 112.31 ng

RT: 6.50 min Scan# 382

Delta R.T. -0.00 min

Lab File: BF082107.D

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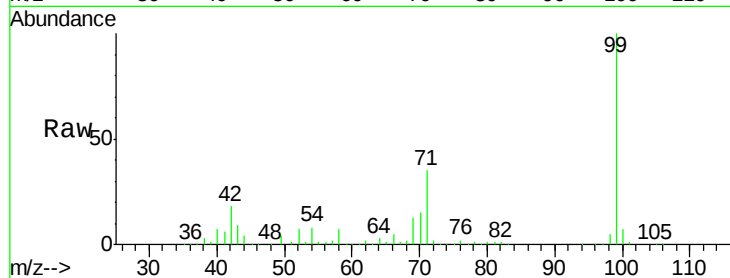
Tot Ion: 99 Resp: 645336

Ion Ratio Lower Upper

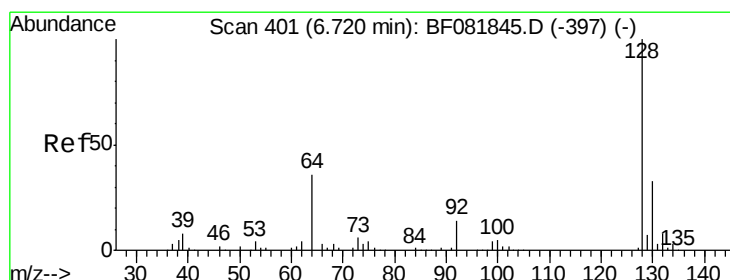
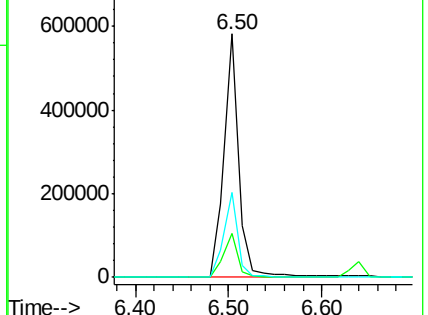
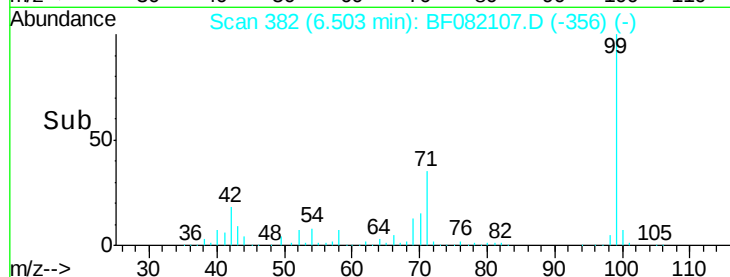
99 100

42 18.1 13.7 20.5

71 34.7 14.2 21.2#



Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#8

2-Chlorophenol

Concen: 6.55 ng

RT: 6.65 min Scan# 395

Delta R.T. -0.01 min

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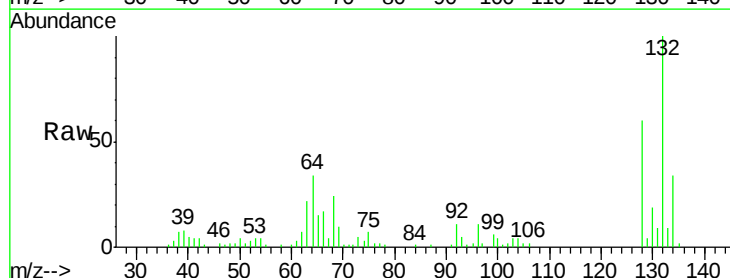
Tgt Ion:128 Resp: 33038

Ion Ratio Lower Upper

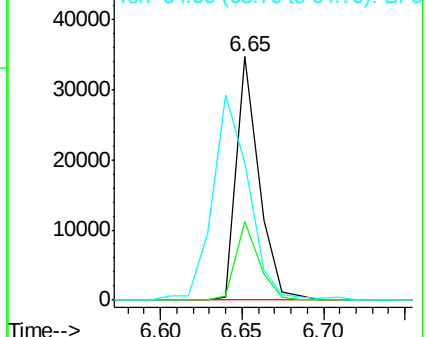
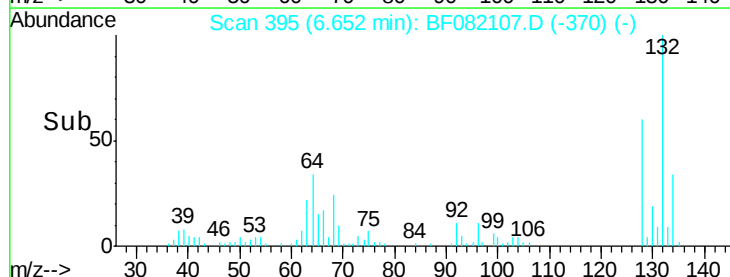
128 100

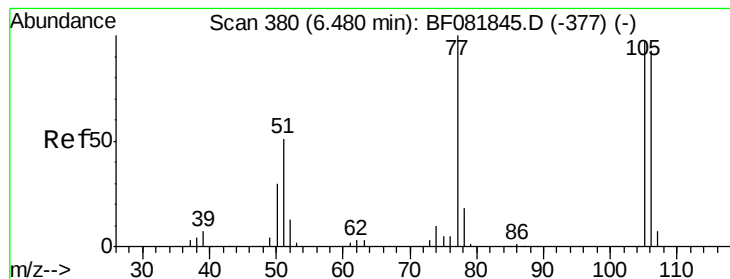
130 32.2 12.2 52.2

64 56.3 20.5 60.5



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





#9

Benzaldehyde

Concen: 4.56 ng

RT: 6.42 min Scan# 375

Delta R.T. 0.00 min

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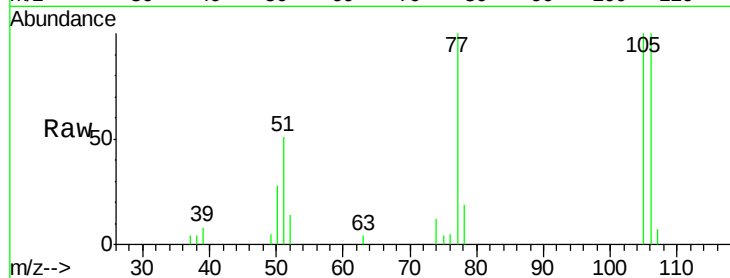
Tot Ion: 77 Resp: 17175

Ion Ratio Lower Upper

77 100

105 99.6 91.6 131.6

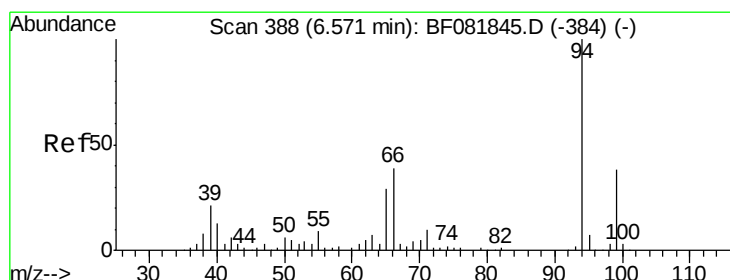
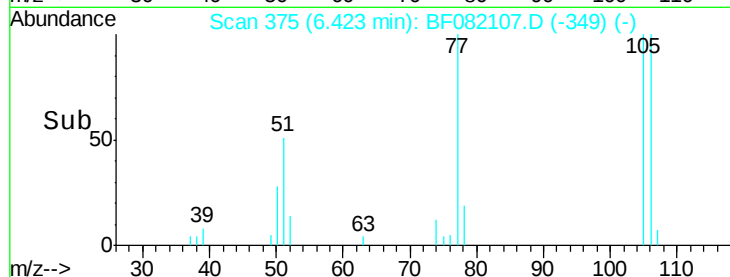
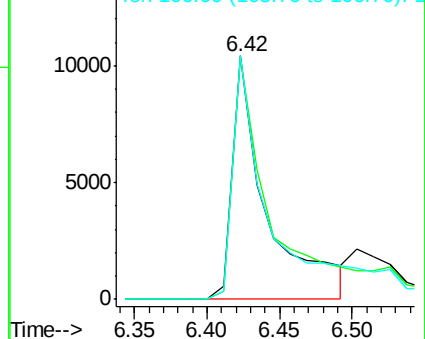
106 100.1 102.6 142.6#



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0



#10

Phenol

Concen: 6.78 ng

RT: 6.51 min Scan# 383

Delta R.T. -0.01 min

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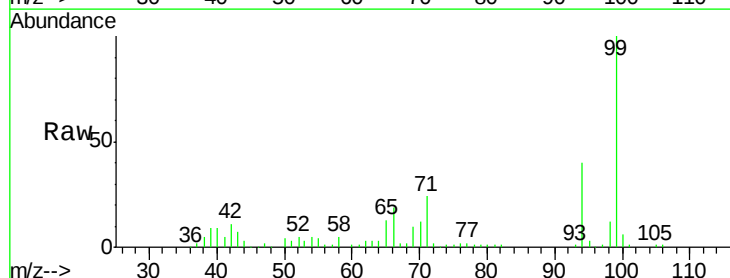
Tgt Ion: 94 Resp: 43709

Ion Ratio Lower Upper

94 100

65 31.3 0.7 40.7

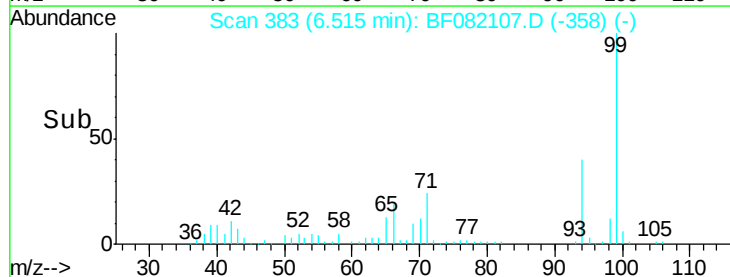
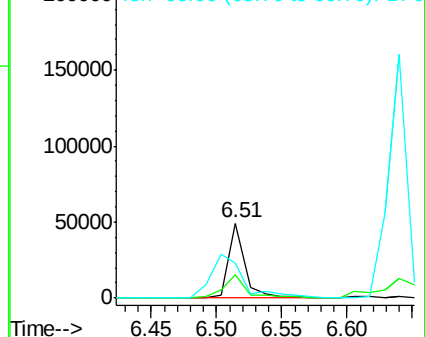
66 47.5 0.8 40.8#



Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#11

bis(2-Chloroethyl)ether

Concen: 6.64 ng

RT: 6.61 min Scan# 391

Delta R.T. -0.01 min

Lab File: BF082107.D

Acq: 7 Oct 2015 16:30

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2015-01

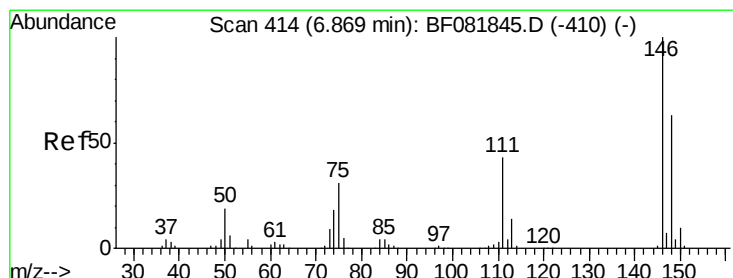
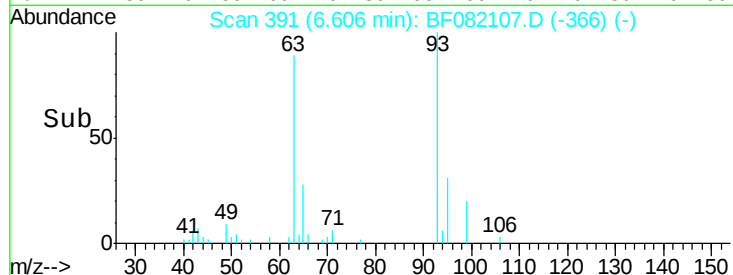
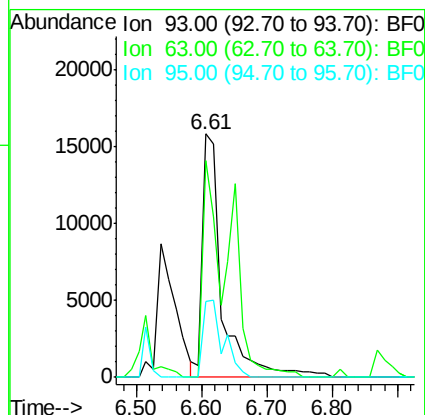
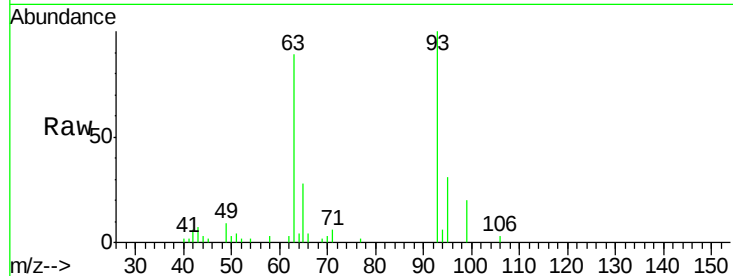
Tot Ion: 93 Resp: 33174

Ion Ratio Lower Upper

93 100

63 89.1 65.6 105.6

95 31.2 13.6 53.6



#12

1,3-Dichlorobenzene

Concen: 5.96 ng

RT: 6.81 min Scan# 409

Delta R.T. 0.00 min

Lab File: BF082107.D

Acq: 7 Oct 2015 16:30

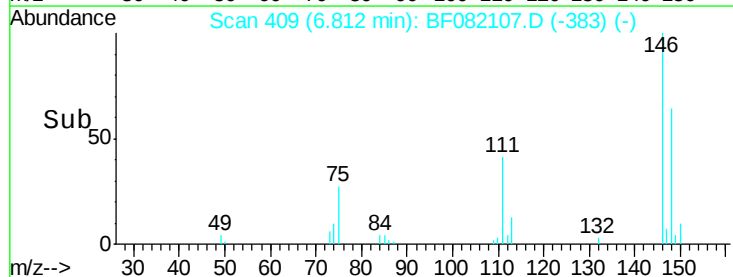
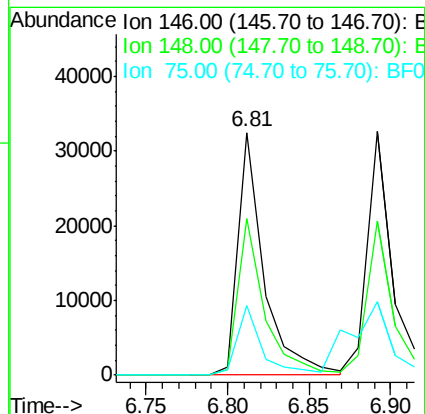
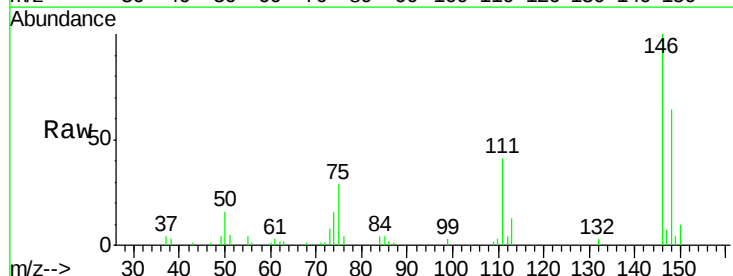
Tgt Ion: 146 Resp: 35501

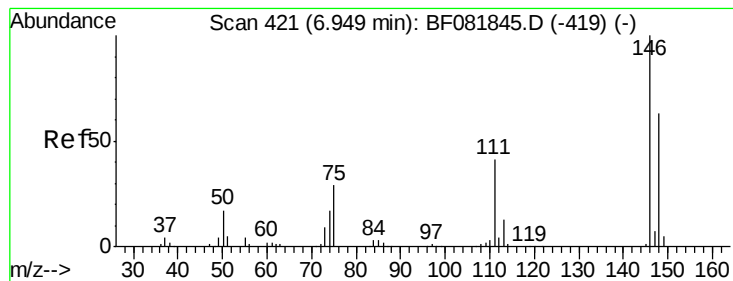
Ion Ratio Lower Upper

146 100

148 64.5 51.0 76.4

75 28.9 15.0 22.6#





#13

1,4-Dichlorobenzene

Concen: 6.23 ng

RT: 6.89 min Scan# 416

Delta R.T. -0.00 min

Lab File: BF082107.D

Acq: 7 Oct 2015 16:30

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2015-01

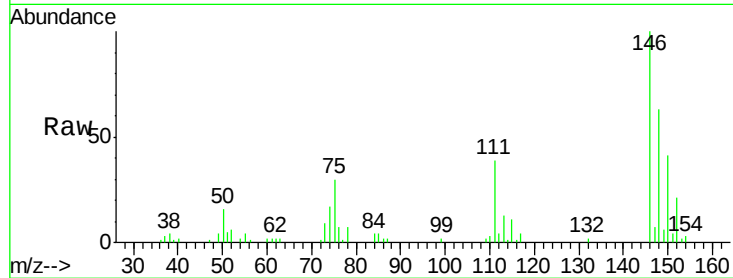
Tot Ion:146 Resp: 38717

Ion Ratio Lower Upper

146 100

148 63.3 51.8 77.6

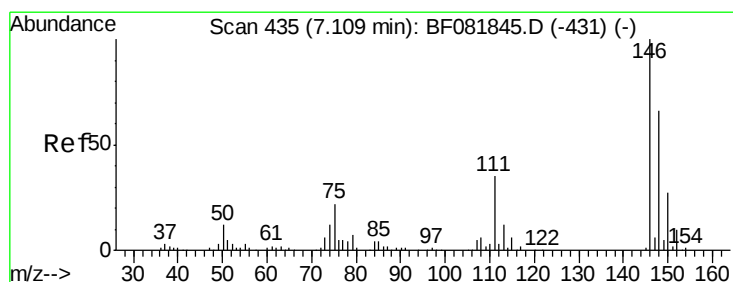
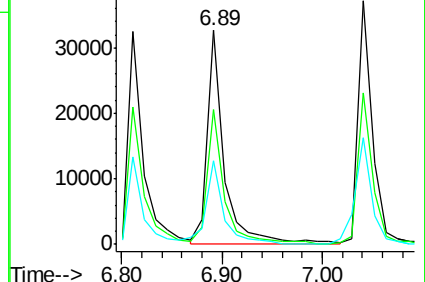
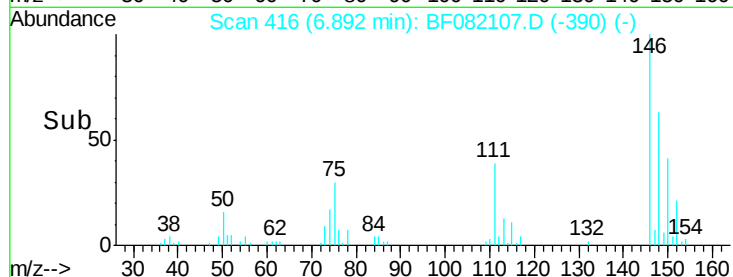
111 39.3 24.9 37.3#



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 6.99 ng

RT: 6.89 min Scan# 416

Delta R.T. -0.16 min

Lab File: BF082107.D

Acq: 7 Oct 2015 16:30

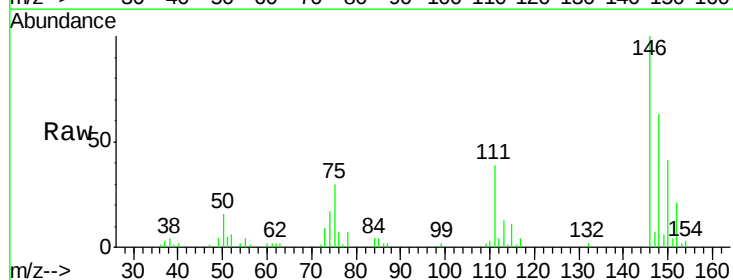
Tgt Ion:146 Resp: 38717

Ion Ratio Lower Upper

146 100

148 63.3 52.7 79.1

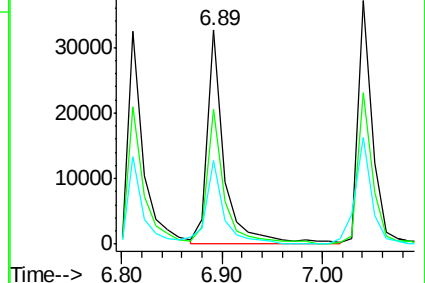
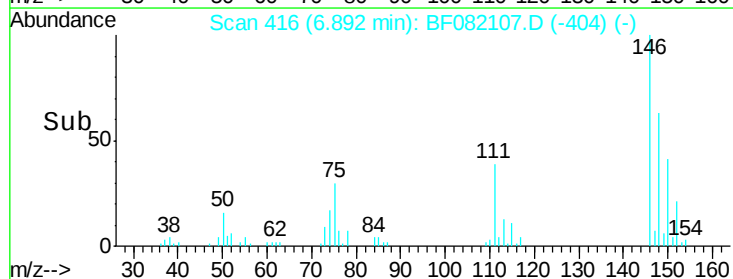
111 39.3 28.8 43.2

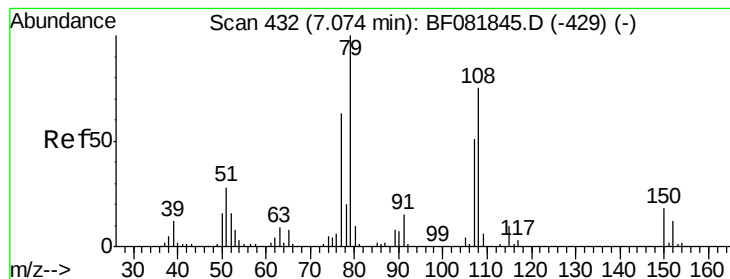


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 5.92 ng

RT: 7.03 min Scan# 428

Delta R.T. 0.01 min

Lab File: BF082107.D

Acq: 7 Oct 2015 16:30

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2015-01

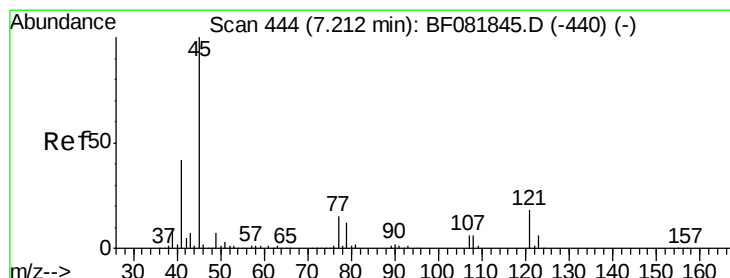
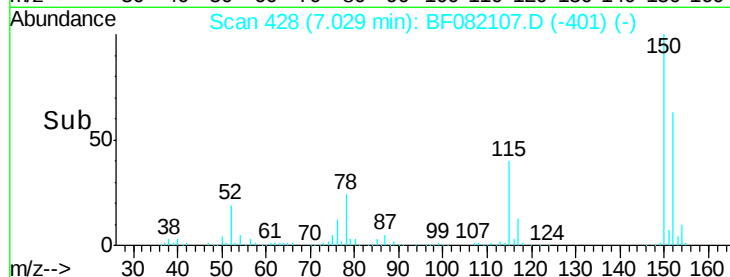
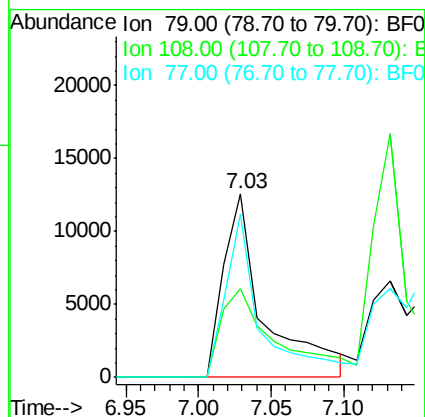
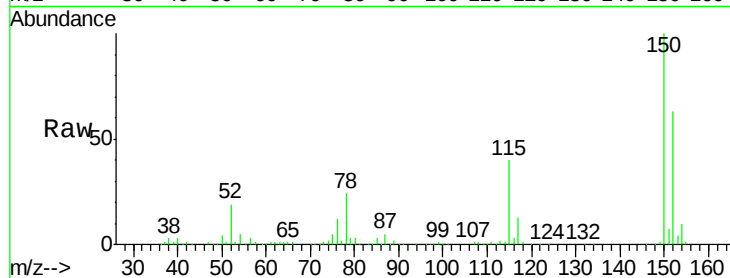
Tot Ion: 79 Resp: 24571

Ion Ratio Lower Upper

79 100

108 48.3 88.6 132.8#

77 88.7 47.0 70.4#



#16

2,2'-oxybis(1-Chloropropane)

Concen: 6.50 ng

RT: 7.15 min Scan# 439

Delta R.T. -0.00 min

Lab File: BF082107.D

Acq: 7 Oct 2015 16:30

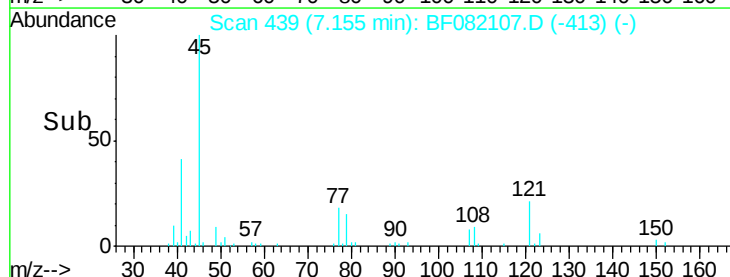
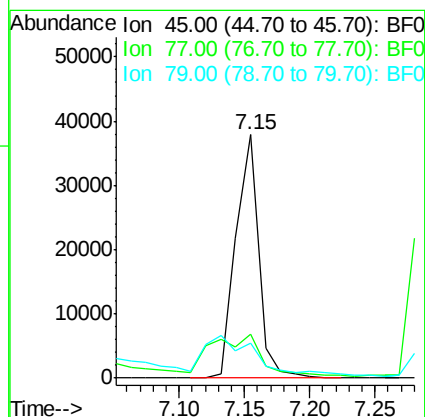
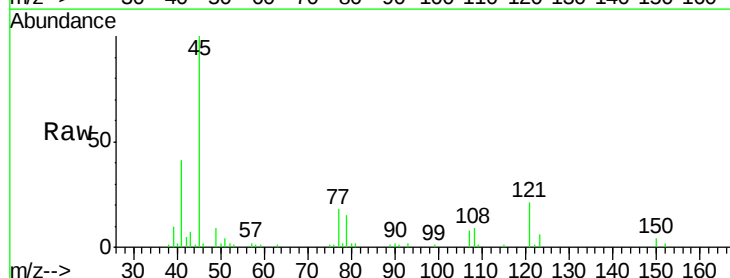
Tgt Ion: 45 Resp: 45966

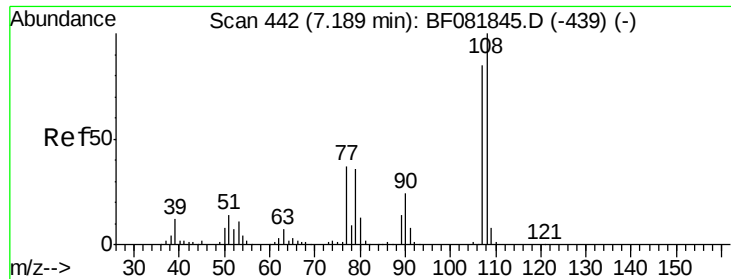
Ion Ratio Lower Upper

45 100

77 18.0 0.0 28.1

79 14.6 0.0 26.0





#17

2-Methylphenol

Concen: 5.68 ng

RT: 7.13 min Scan# 437

Delta R.T. 0.00 min

Lab File: BF082107.D

Acq: 7 Oct 2015 16:30

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2015-01

Tot Ion:107 Resp: 23240

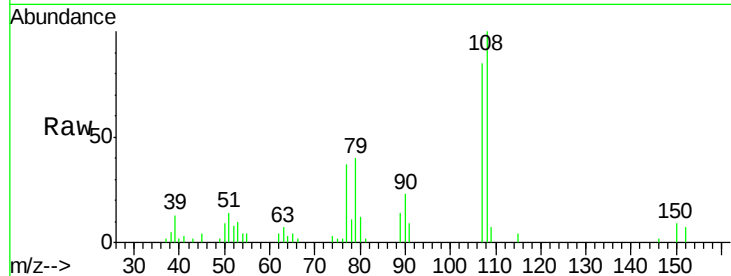
Ion Ratio Lower Upper

107 100

108 118.0 96.6 145.0

77 43.2 23.3 34.9#

79 47.0 22.0 33.0#

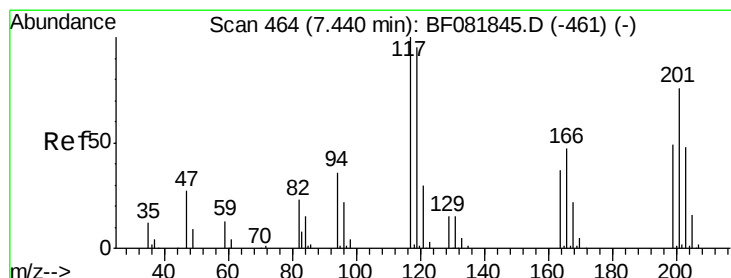
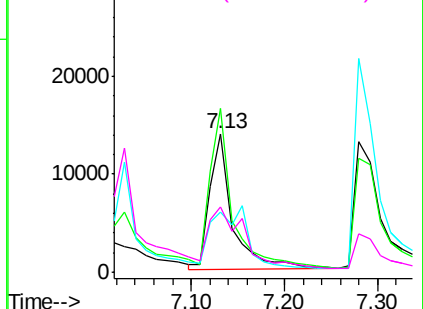
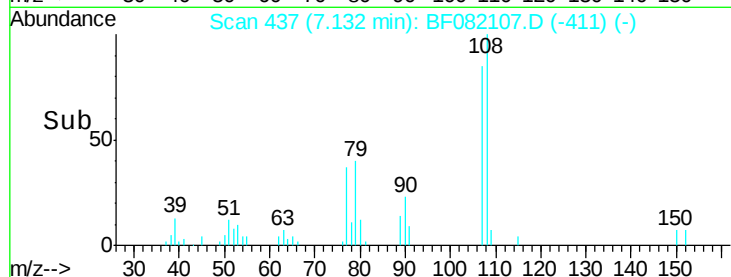


Abundance Ion 107.00 (106.70 to 107.70): E

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



#18

Hexachloroethane

Concen: 6.70 ng

RT: 7.38 min Scan# 459

Delta R.T. 0.00 min

Lab File: BF082107.D

Acq: 7 Oct 2015 16:30

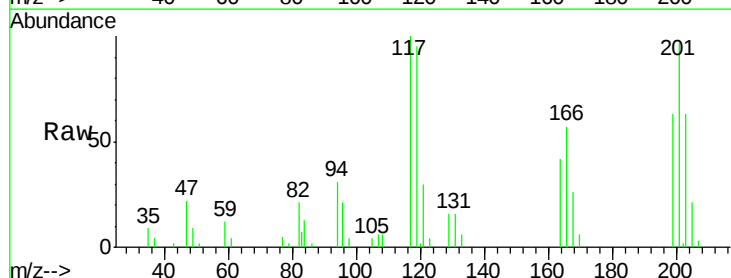
Tgt Ion:117 Resp: 13051

Ion Ratio Lower Upper

117 100

119 95.3 83.8 125.6

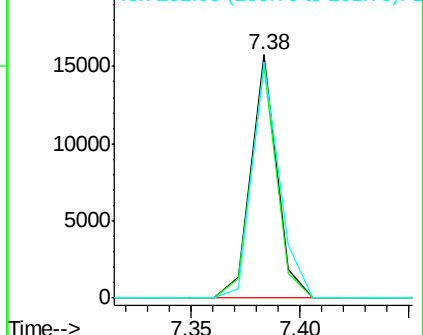
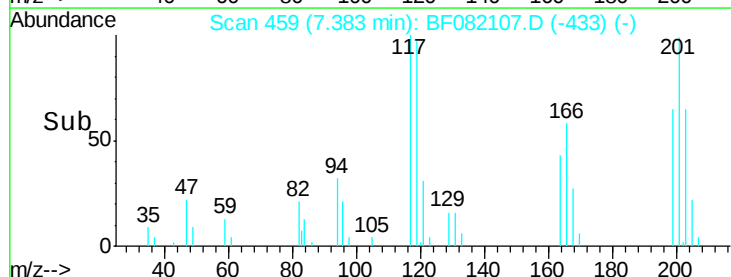
201 96.9 55.1 82.7#



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

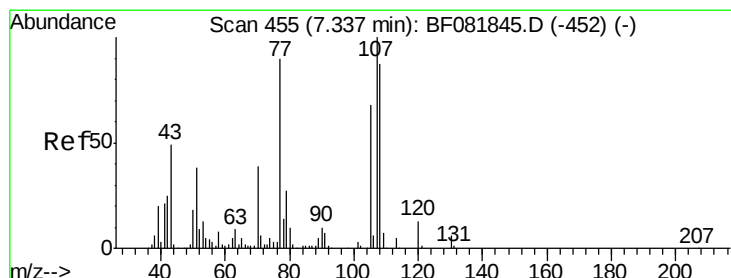
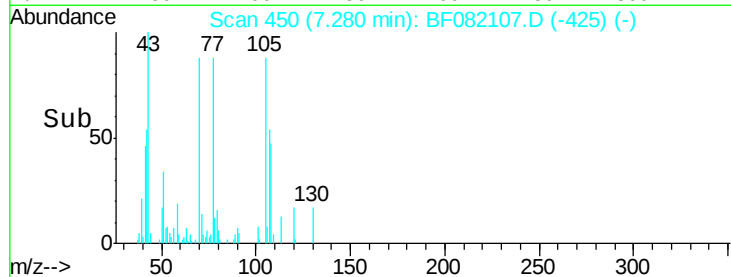
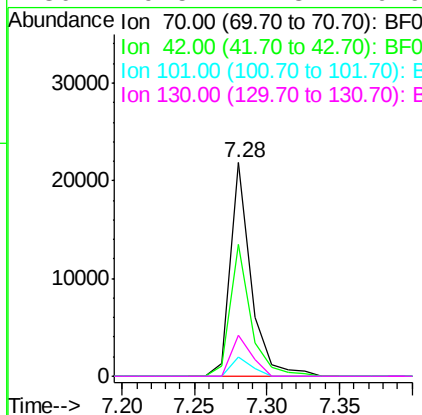
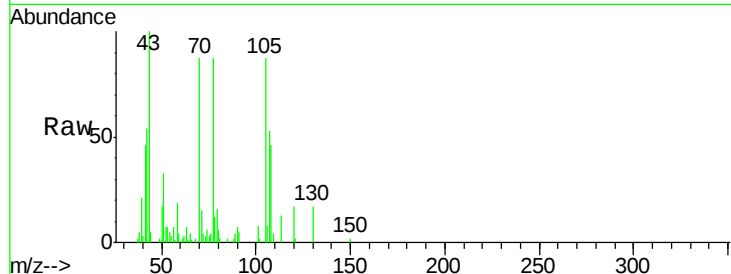




#19
n-Nitroso-di-n-propylamine
Concen: 6.20 ng
RT: 7.28 min Scan# 450
Delta R.T. -0.01 min
Lab File: BF082107.D
Acq: 7 Oct 2015 16:30

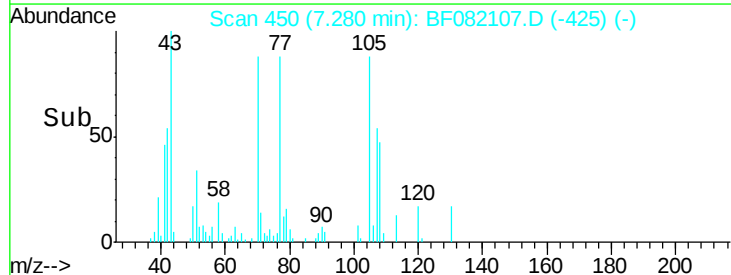
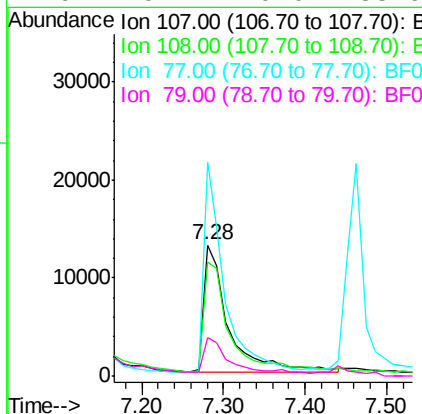
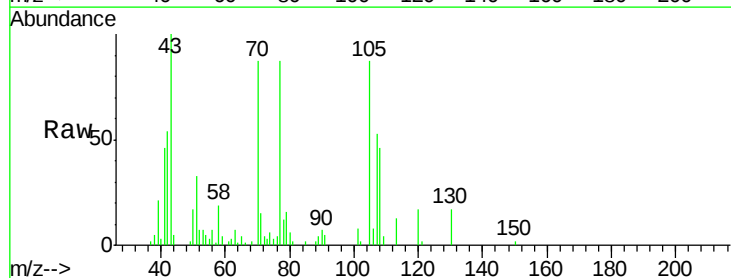
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2015-01

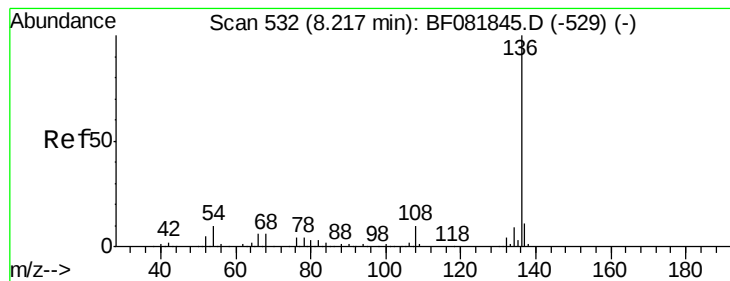
Tot Ion: 70 Resp: 21654
Ion Ratio Lower Upper
70 100
42 61.9 63.8 95.6#
101 9.3 9.2 13.8
130 19.5 27.3 40.9#



#20
3+4-Methylphenols
Concen: 5.35 ng
RT: 7.28 min Scan# 450
Delta R.T. -0.01 min
Lab File: BF082107.D
Acq: 7 Oct 2015 16:30

Tgt Ion:107 Resp: 27627
Ion Ratio Lower Upper
107 100
108 87.0 74.6 114.6
77 163.0 0.7 40.7#
79 29.2 0.0 38.9





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.16 min Scan# 527

Delta R.T. 0.00 min

Lab File: BF082107.D

Acq: 7 Oct 2015 16:30

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2015-01

Tot Ion:136 Resp: 335097

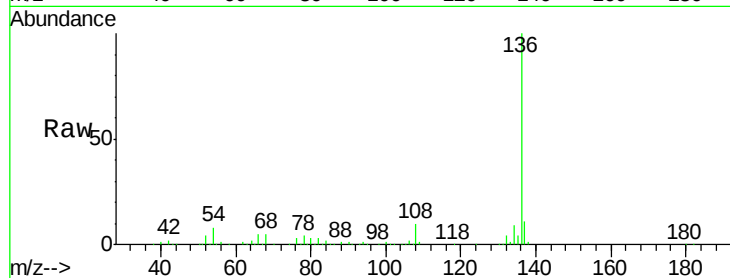
Ion Ratio Lower Upper

136 100

137 11.2 9.0 13.6

54 8.0 8.2 12.2#

68 5.2 5.8 8.6#

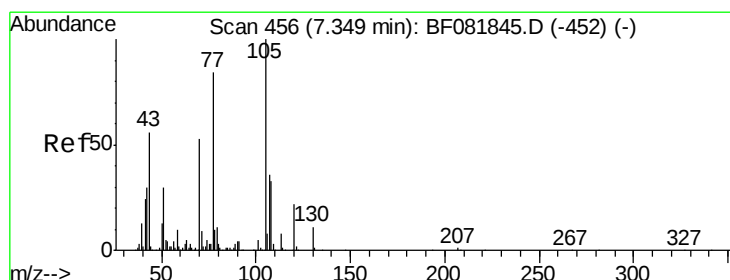
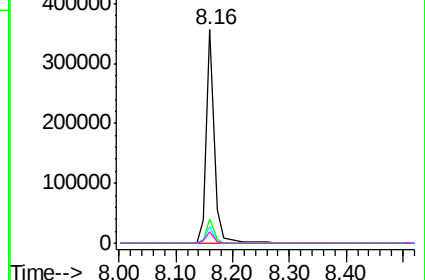
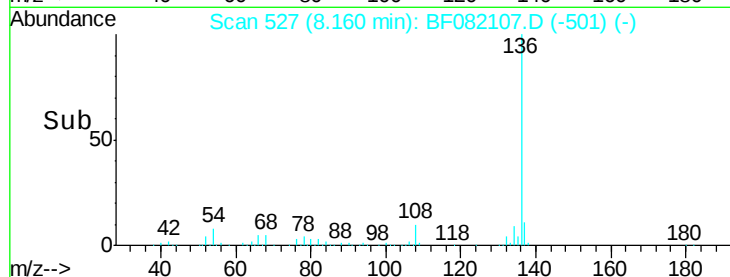


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#22

Acetophenone

Concen: 6.27 ng

RT: 7.28 min Scan# 450

Delta R.T. -0.01 min

Lab File: BF082107.D

Acq: 7 Oct 2015 16:30

Tgt Ion:105 Resp: 42939

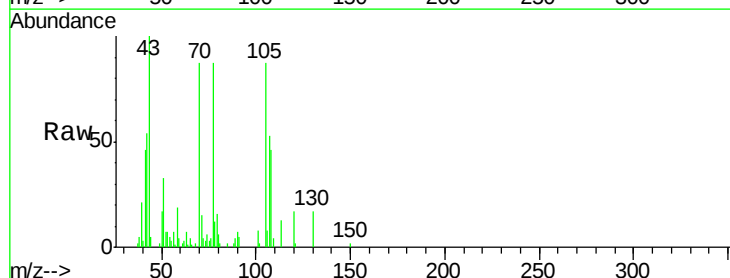
Ion Ratio Lower Upper

105 100

71 17.3 4.7 7.1#

51 38.5 22.0 33.0#

120 19.8 30.1 45.1#

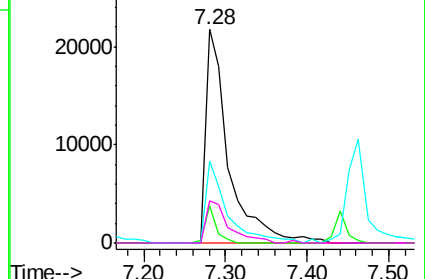
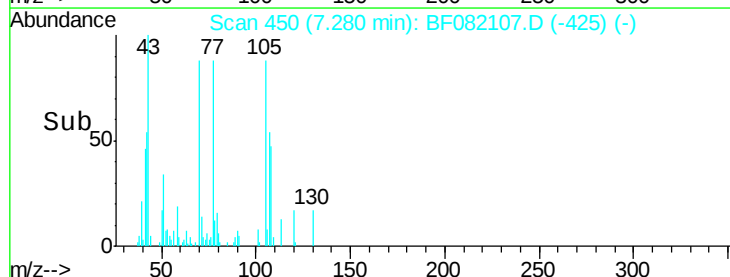


Abundance Ion 105.00 (104.70 to 105.70): E

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

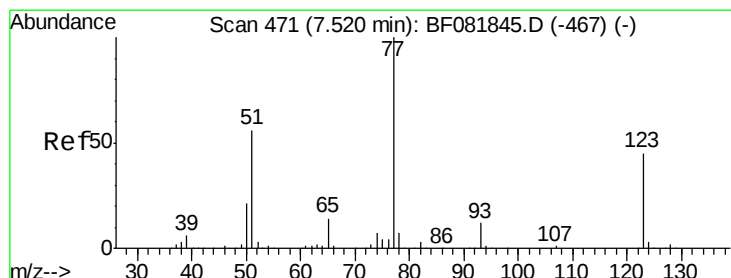
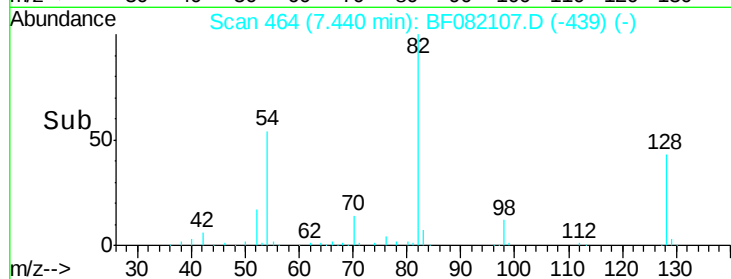
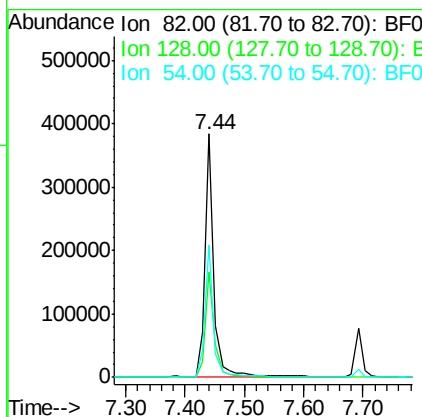
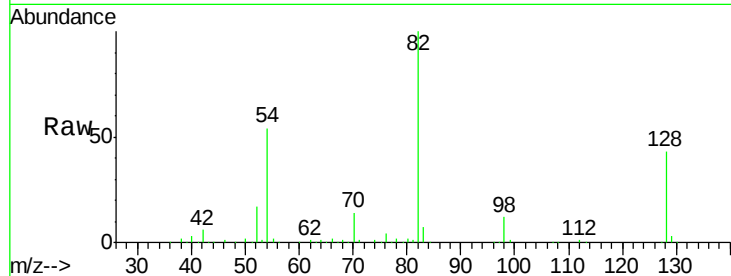




#23
 Nitrobenzene-d5
 Concen: 83.13 ng
 RT: 7.44 min Scan# 464
 Delta R.T. -0.01 min
 Lab File: BF082107.D
 Acq: 7 Oct 2015 16:30

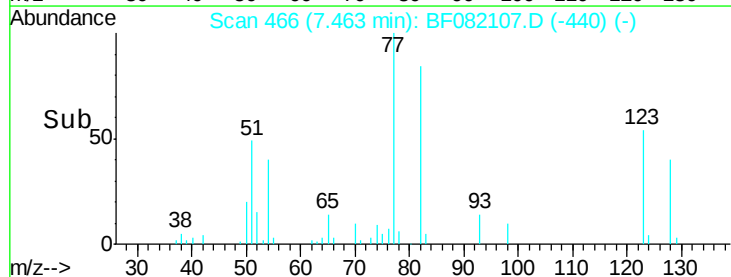
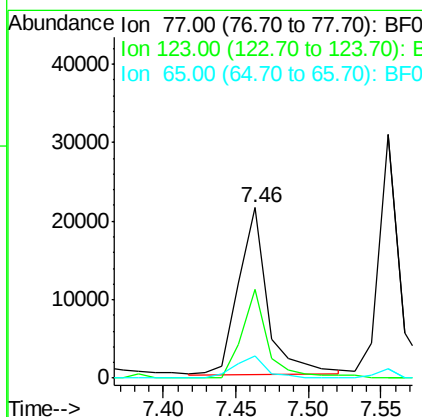
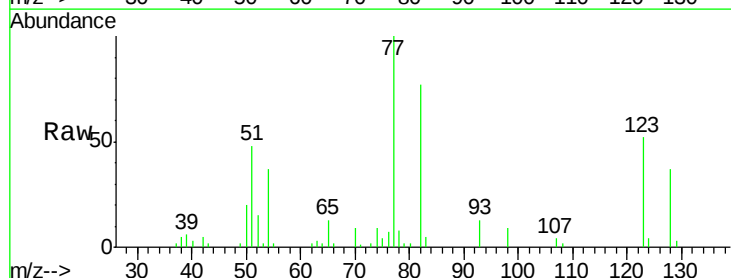
Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2015-01

Tot Ion: 82 Resp: 417910
 Ion Ratio Lower Upper
 82 100
 128 43.3 51.0 76.6#
 54 54.1 47.5 71.3



#24
 Nitrobenzene
 Concen: 5.48 ng
 RT: 7.46 min Scan# 466
 Delta R.T. -0.00 min
 Lab File: BF082107.D
 Acq: 7 Oct 2015 16:30

Tgt Ion: 77 Resp: 29912
 Ion Ratio Lower Upper
 77 100
 123 51.9 59.8 89.8#
 65 12.9 10.2 15.4





#25

Isophorone

Concen: 6.78 ng

RT: 7.69 min Scan# 486

Delta R.T. -0.01 min

Lab File: BF082107.D

Acq: 7 Oct 2015 16:30

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2015-01

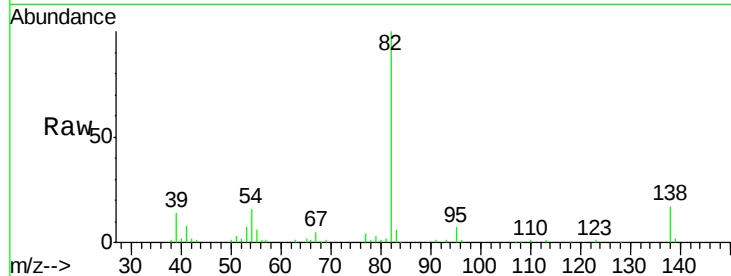
Tot Ion: 82 Resp: 67537

Ion Ratio Lower Upper

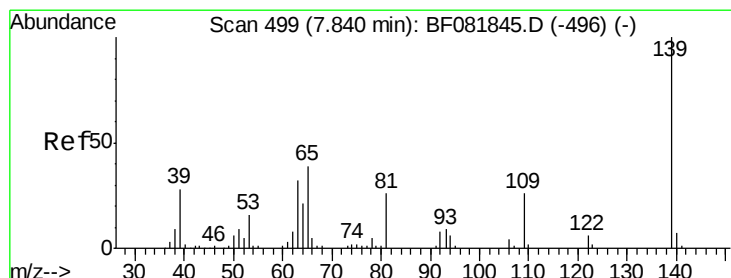
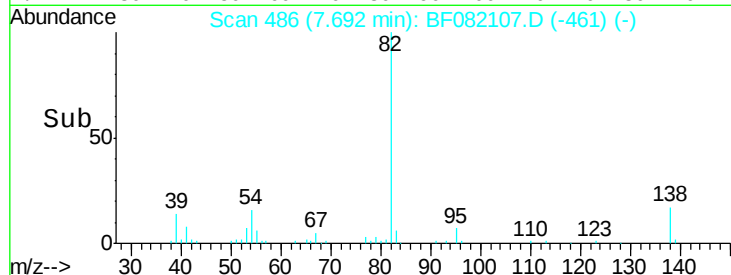
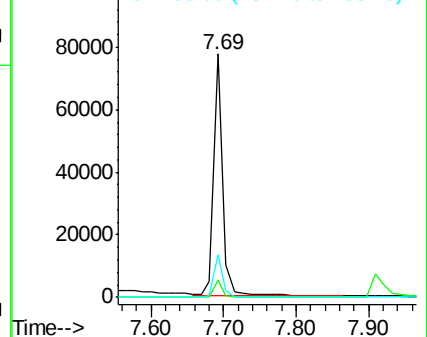
82 100

95 6.8 4.0 6.0#

138 17.4 18.3 27.5#



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: 5.65 ng

RT: 7.78 min Scan# 494

Delta R.T. -0.00 min

Lab File: BF082107.D

Acq: 7 Oct 2015 16:30

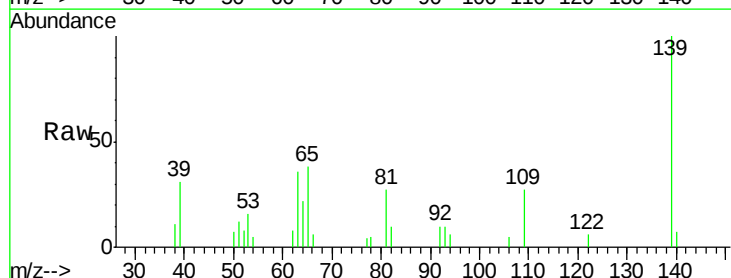
Tgt Ion: 139 Resp: 14793

Ion Ratio Lower Upper

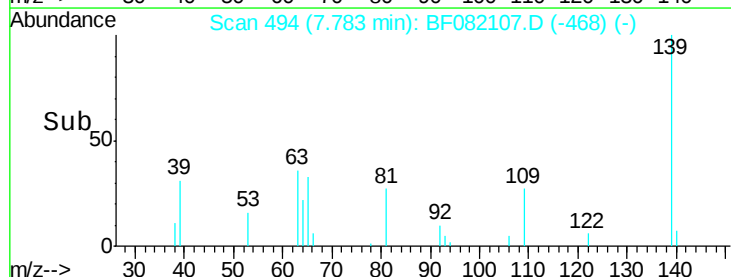
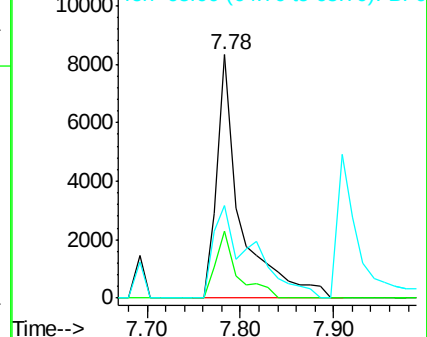
139 100

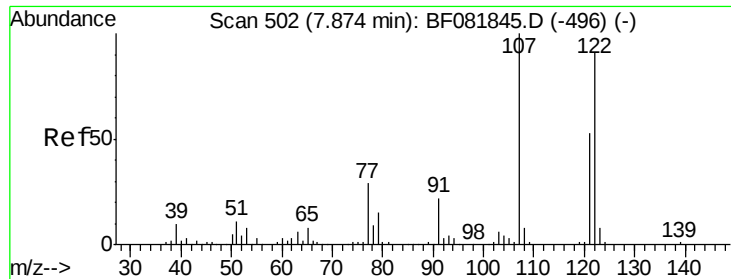
109 27.3 11.0 16.4#

65 37.8 24.7 37.1#



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

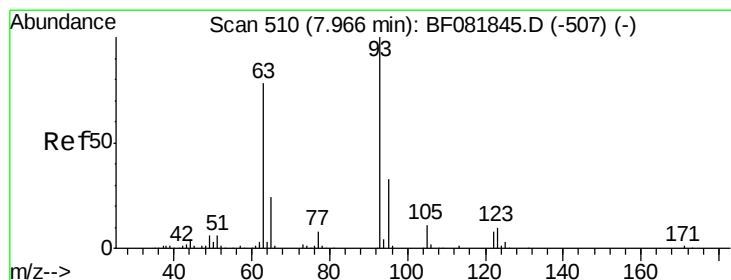
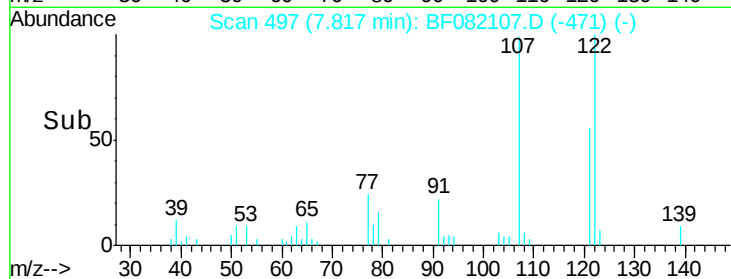
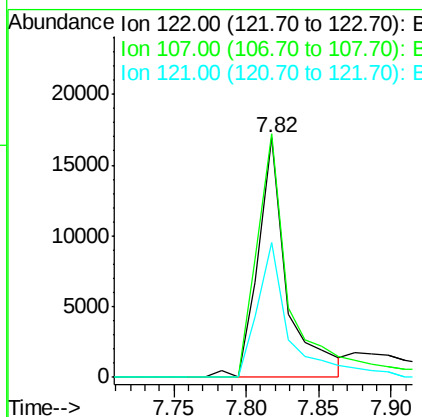
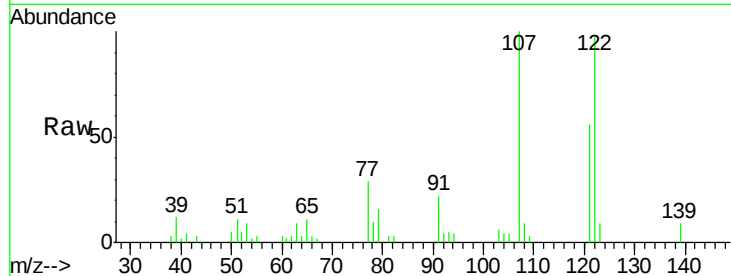




#27
2,4-Dimethylphenol
Concen: 5.11 ng
RT: 7.82 min Scan# 497
Delta R.T. -0.00 min
Lab File: BF082107.D
Acq: 7 Oct 2015 16:30

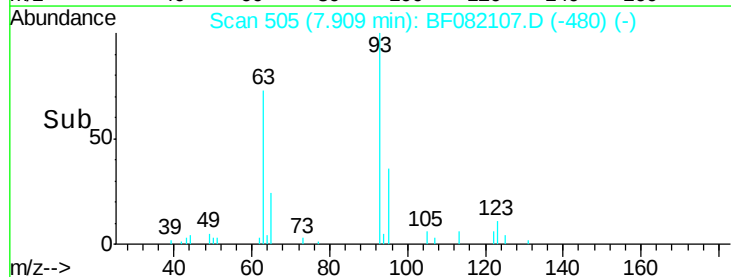
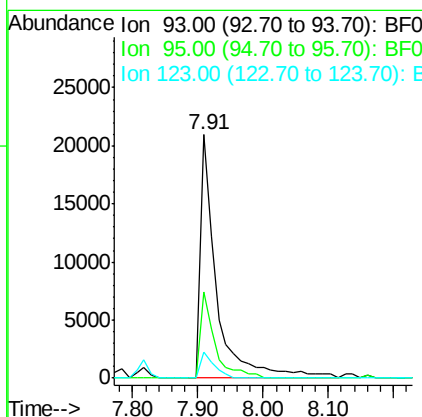
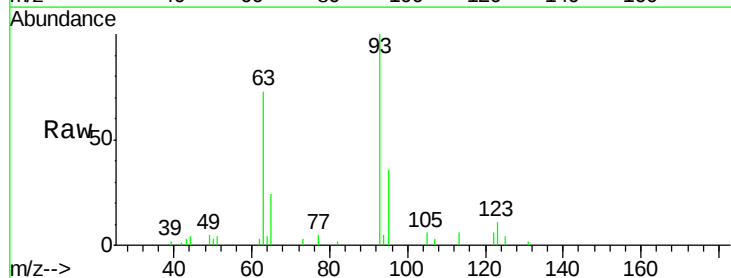
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2015-01

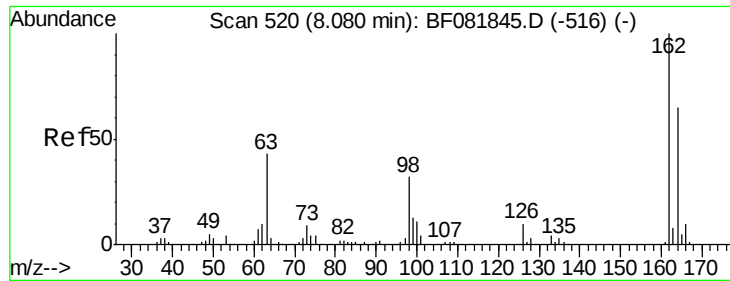
Tot Ion:122 Resp: 23559
Ion Ratio Lower Upper
122 100
107 101.6 71.8 107.6
121 56.5 42.3 63.5



#28
bis(2-Chloroethoxy)methane
Concen: 6.03 ng
RT: 7.91 min Scan# 505
Delta R.T. -0.01 min
Lab File: BF082107.D
Acq: 7 Oct 2015 16:30

Tgt Ion: 93 Resp: 35701
Ion Ratio Lower Upper
93 100
95 35.6 27.5 41.3
123 10.7 13.7 20.5#

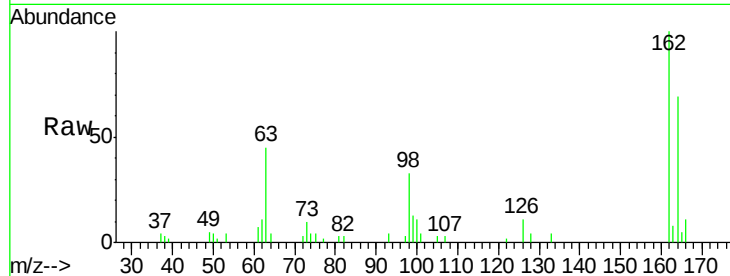




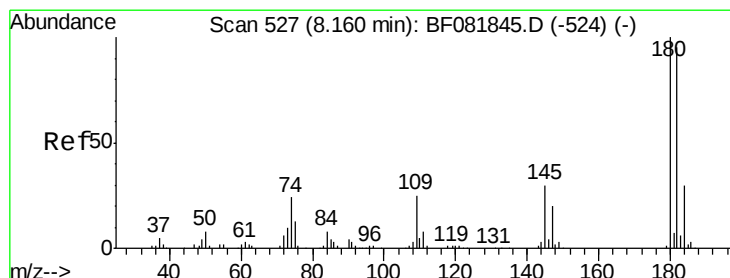
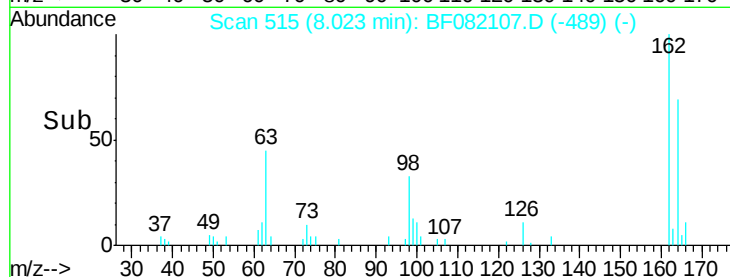
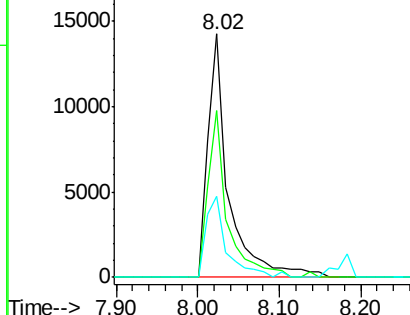
#29
 2,4-Dichlorophenol
 Concen: 5.69 ng
 RT: 8.02 min Scan# 515
 Delta R.T. 0.00 min
 Lab File: BF082107.D
 Acq: 7 Oct 2015 16:30

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2015-01

Tot Ion	Ratio	Lower	Upper
162	100		
164	68.6	44.9	84.9
98	33.3	13.0	53.0

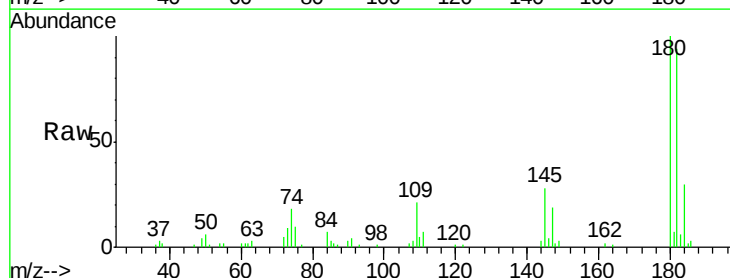


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF0

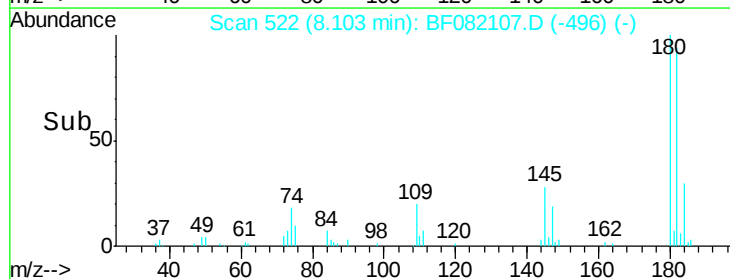
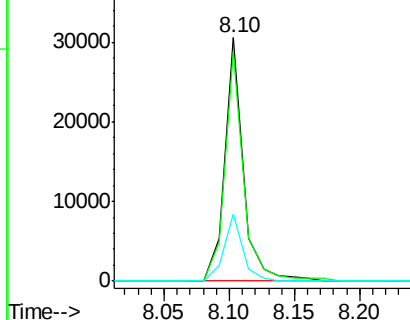


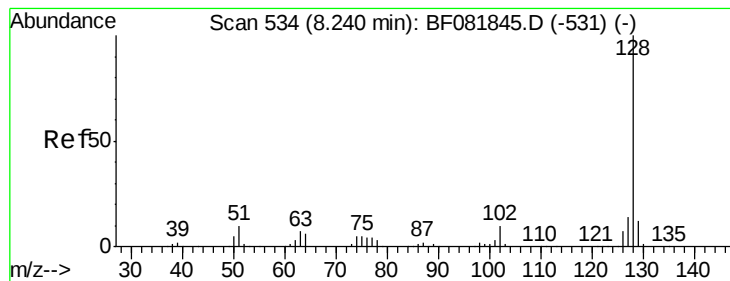
#30
 1,2,4-Trichlorobenzene
 Concen: 6.08 ng
 RT: 8.10 min Scan# 522
 Delta R.T. 0.00 min
 Lab File: BF082107.D
 Acq: 7 Oct 2015 16:30

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.4	77.1	115.7
145	27.5	23.3	34.9



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





#31

Naphthalene

Concen: 6.62 ng

RT: 8.18 min Scan# 529

Delta R.T. -0.00 min

Lab File: BF082107.D

Acq: 7 Oct 2015 16:30

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2015-01

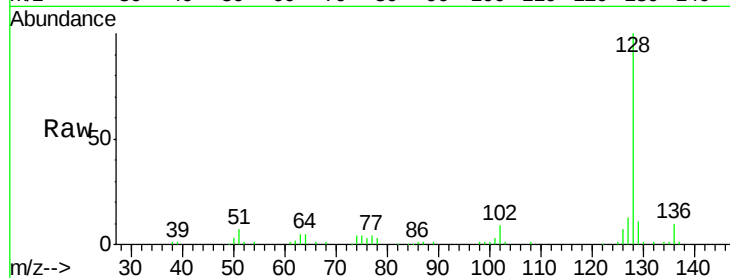
Tot Ion:128 Resp: 98289

Ion Ratio Lower Upper

128 100

129 11.2 8.4 12.6

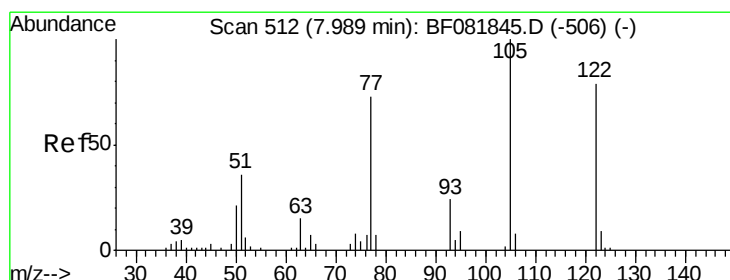
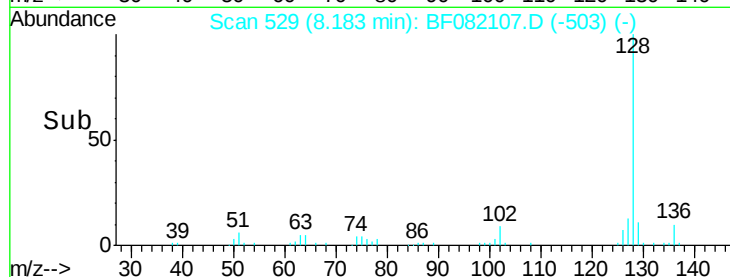
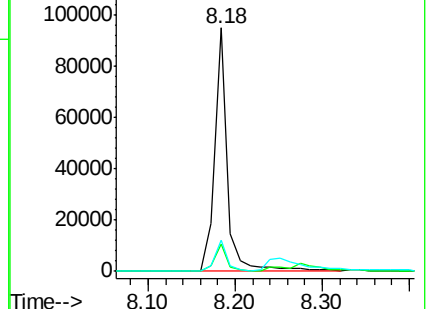
127 12.8 9.9 14.9



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: 14.58 ng

RT: 7.82 min Scan# 497

Delta R.T. -0.13 min

Lab File: BF082107.D

Acq: 7 Oct 2015 16:30

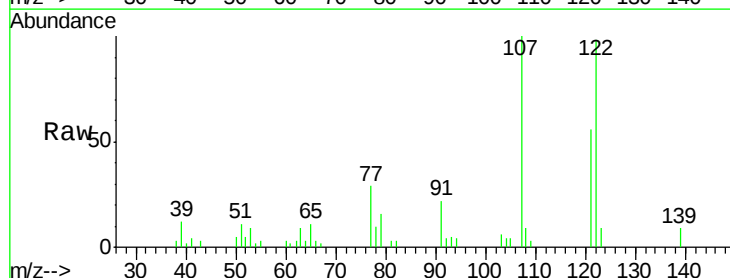
Tgt Ion:122 Resp: 23559

Ion Ratio Lower Upper

122 100

105 3.6 76.1 116.1#

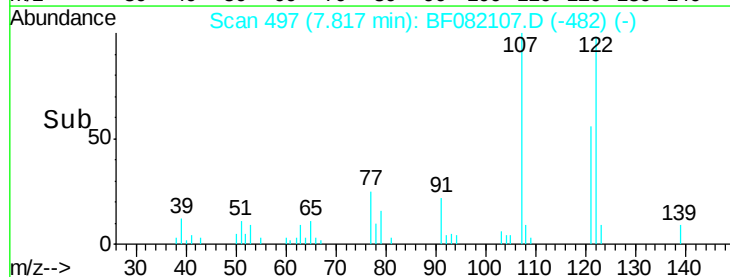
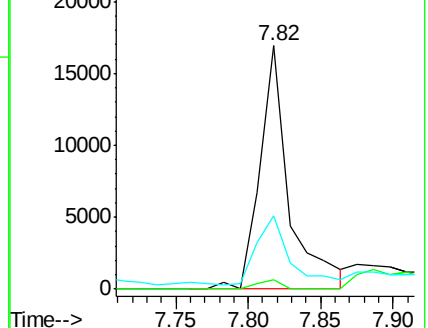
77 30.0 40.5 80.5#

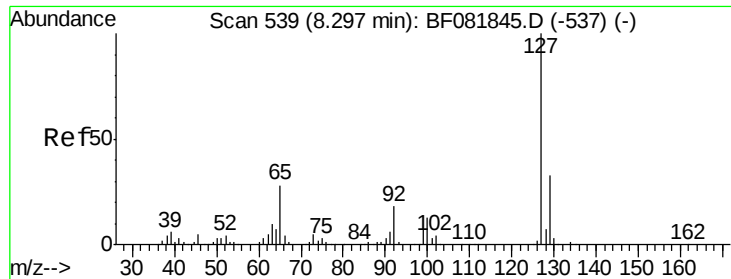


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

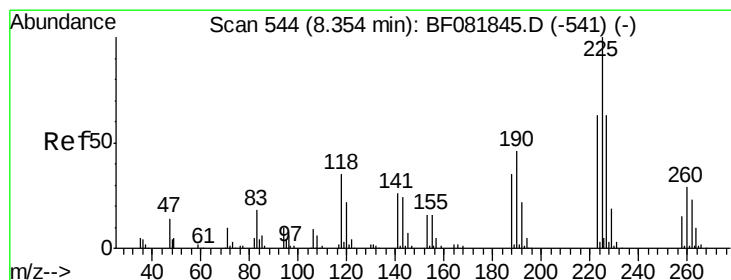
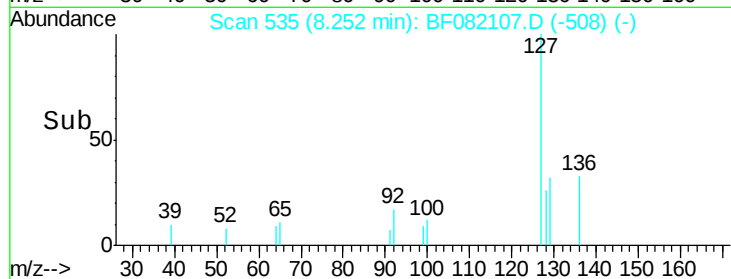
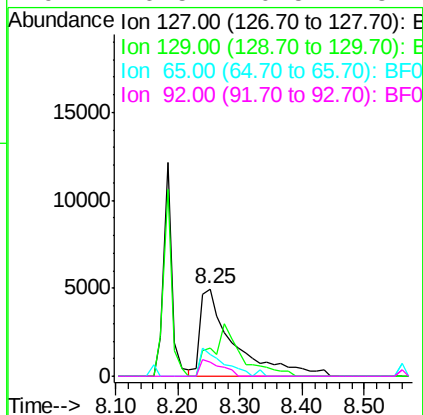
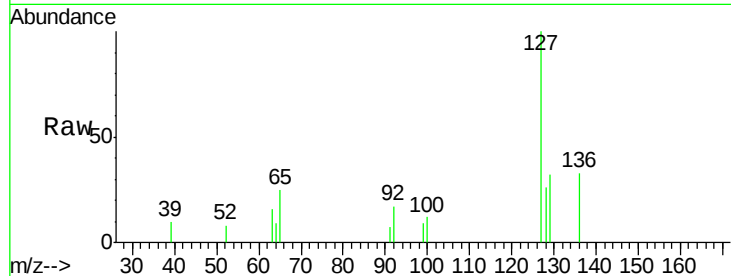




#33
4-Chloroaniline
Concen: 2.90 ng
RT: 8.25 min Scan# 535
Delta R.T. 0.01 min
Lab File: BF082107.D
Acq: 7 Oct 2015 16:30

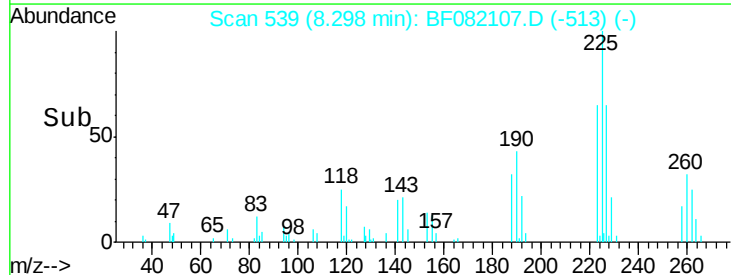
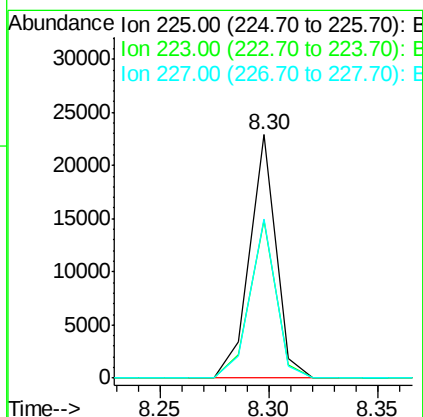
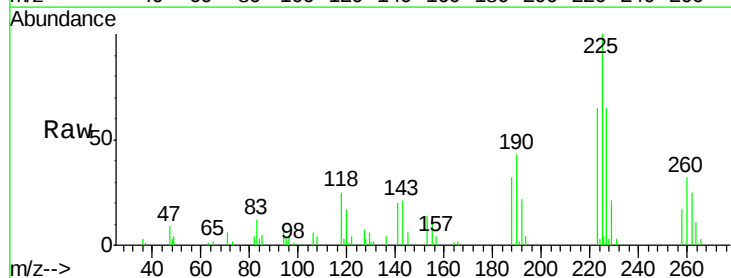
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2015-01

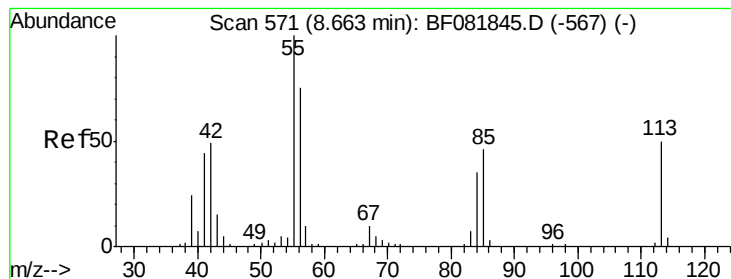
Tot Ion:127 Resp: 18614
Ion Ratio Lower Upper
127 100
129 31.9 25.8 38.6
65 24.6 17.9 26.9
92 16.5 10.5 15.7#



#34
Hexachlorobutadiene
Concen: 6.55 ng
RT: 8.30 min Scan# 539
Delta R.T. -0.00 min
Lab File: BF082107.D
Acq: 7 Oct 2015 16:30

Tgt Ion:225 Resp: 19341
Ion Ratio Lower Upper
225 100
223 64.7 50.2 75.2
227 65.3 52.2 78.2





#35

Caprolactam

Concen: 5.51 ng

RT: 8.57 min Scan# 563

Delta R.T. -0.05 min

Lab File: BF082107.D

Acq: 7 Oct 2015 16:30

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2015-01

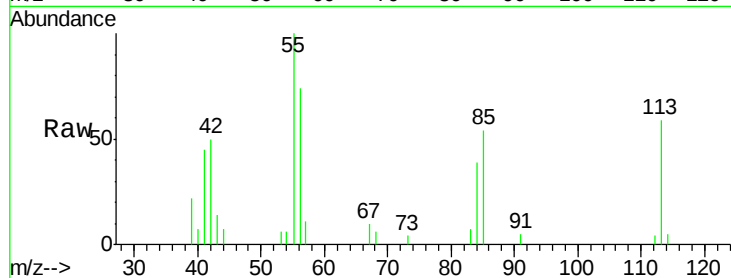
Tot Ion:113 Resp: 6814

Ion Ratio Lower Upper

113 100

55 170.8 152.4 192.4

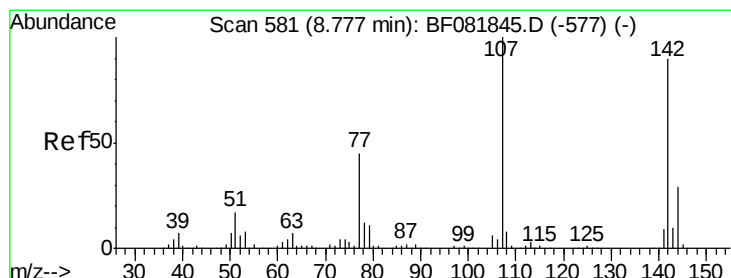
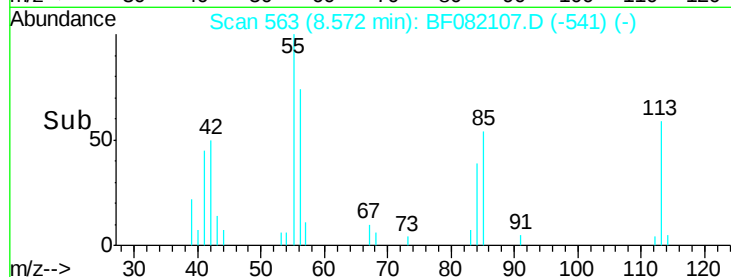
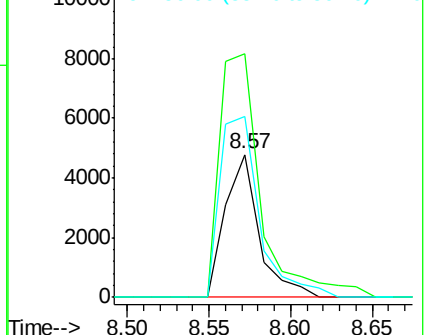
56 127.1 104.6 144.6



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: 6.18 ng

RT: 8.71 min Scan# 575

Delta R.T. -0.01 min

Lab File: BF082107.D

Acq: 7 Oct 2015 16:30

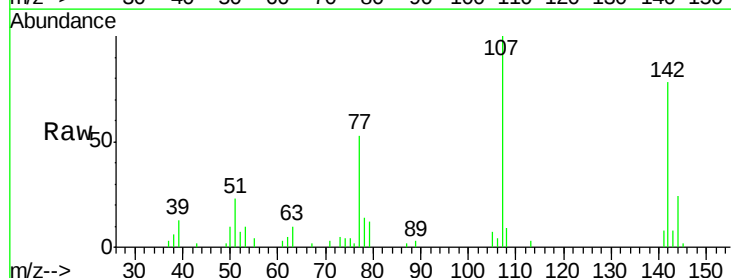
Tgt Ion:107 Resp: 27030

Ion Ratio Lower Upper

107 100

144 24.3 25.4 38.0#

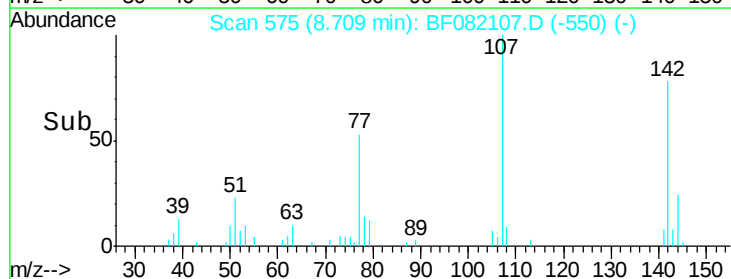
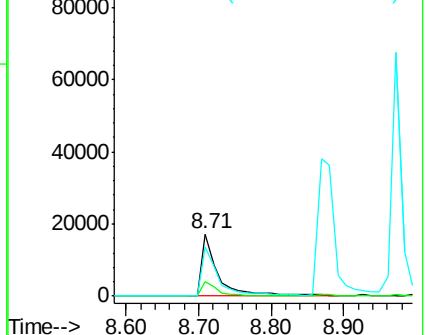
142 78.1 77.3 115.9

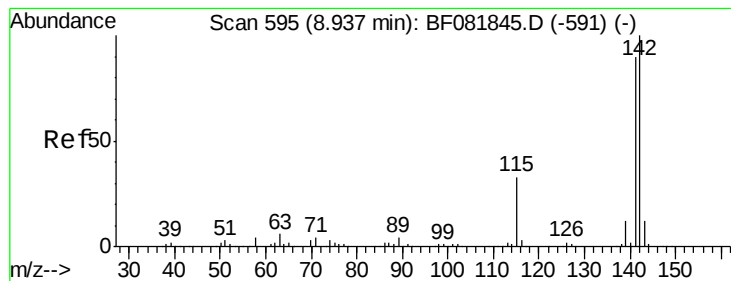


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

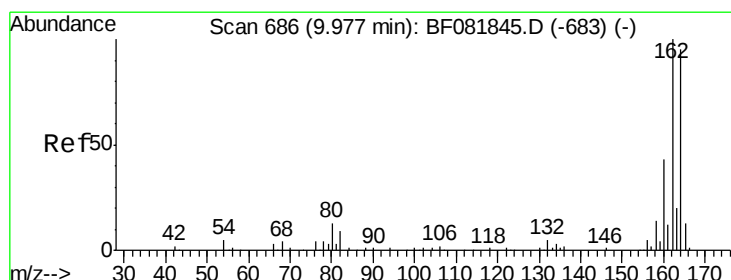
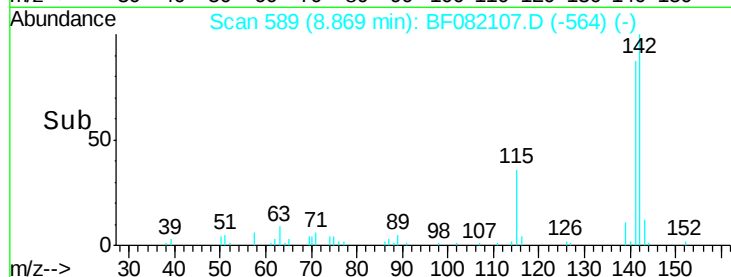
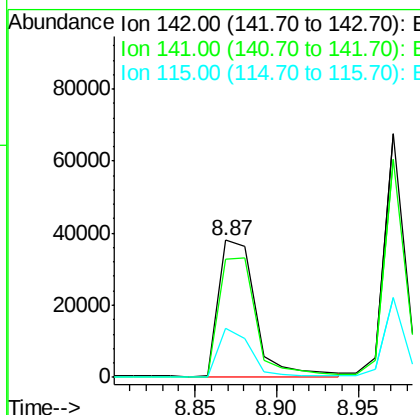
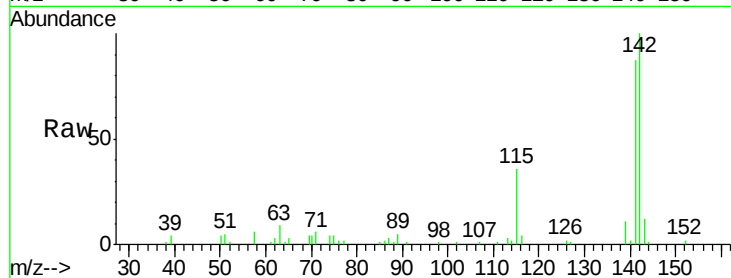




#37
 2-Methylnaphthalene
 Concen: 6.00 ng
 RT: 8.87 min Scan# 589
 Delta R.T. -0.01 min
 Lab File: BF082107.D
 Acq: 7 Oct 2015 16:30

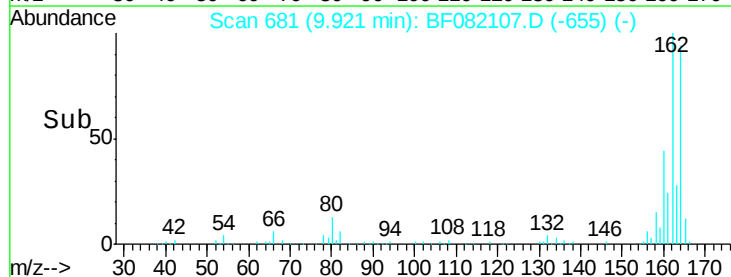
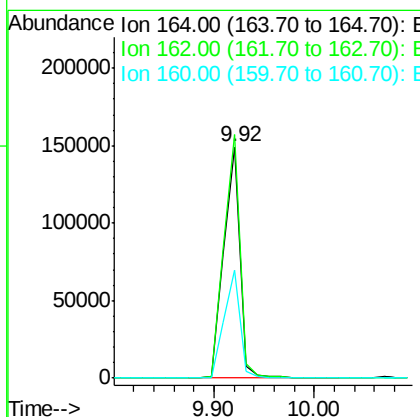
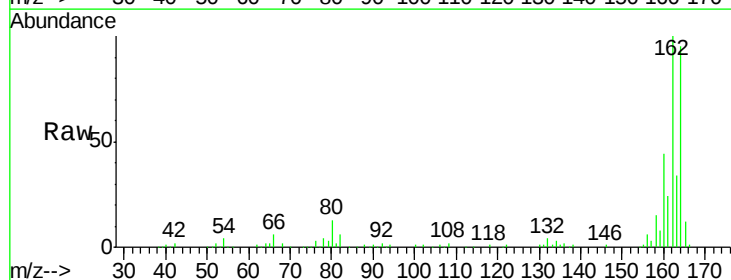
Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2015-01

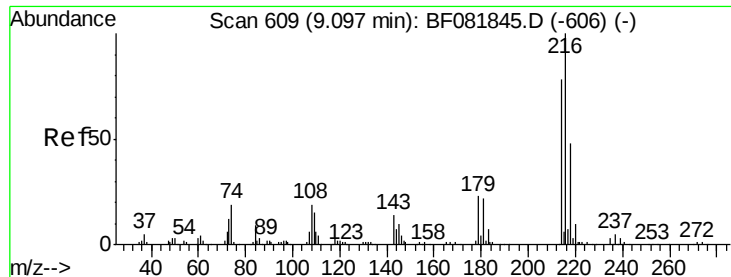
Tot Ion:142 Resp: 60775
 Ion Ratio Lower Upper
 142 100
 141 86.5 67.5 101.3
 115 36.0 18.2 27.2#



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.92 min Scan# 681
 Delta R.T. -0.00 min
 Lab File: BF082107.D
 Acq: 7 Oct 2015 16:30

Tgt Ion:164 Resp: 167023
 Ion Ratio Lower Upper
 164 100
 162 105.4 75.2 112.8
 160 46.4 31.5 47.3

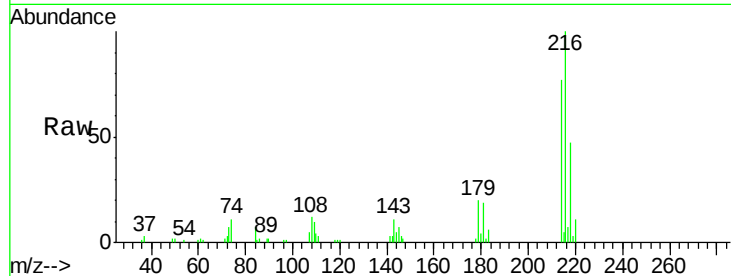




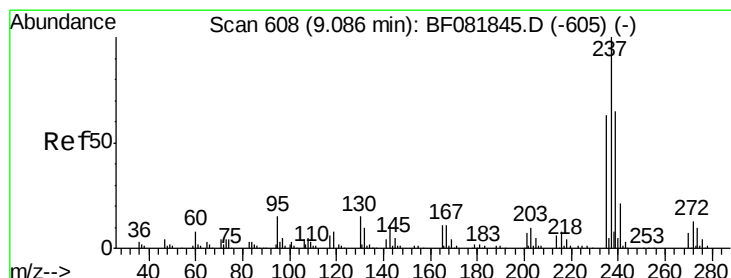
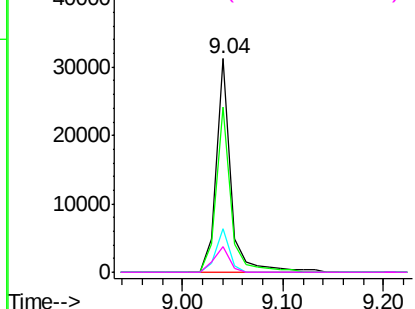
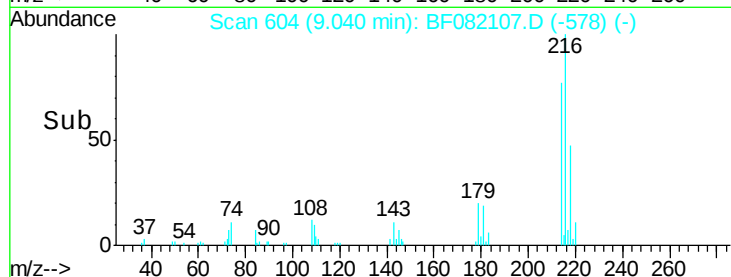
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 6.16 ng
 RT: 9.04 min Scan# 604
 Delta R.T. -0.00 min
 Lab File: BF082107.D
 Acq: 7 Oct 2015 16:30

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2015-01

Tot Ion:216 Resp: 31589
 Ion Ratio Lower Upper
 216 100
 214 77.1 63.5 95.3
 179 18.8 16.6 24.8
 108 12.6 16.3 24.5#

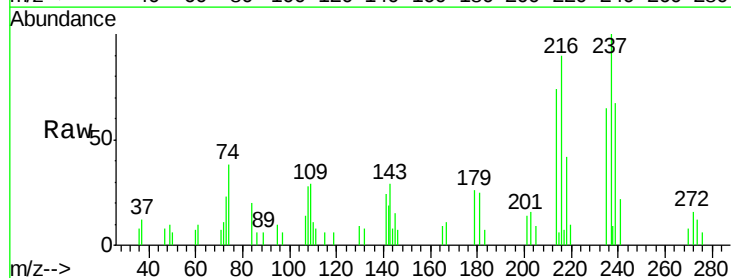


Abundance Ion 216.00 (215.70 to 216.70): E
 Ion 214.00 (213.70 to 214.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 108.00 (107.70 to 108.70): E

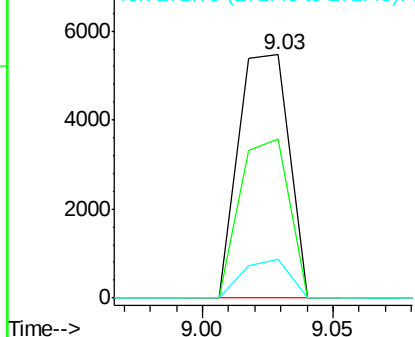
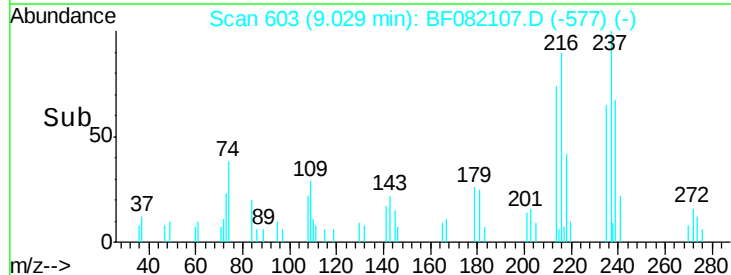


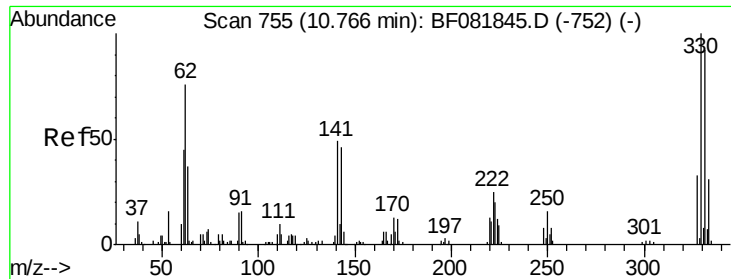
#40
 Hexachlorocyclopentadiene
 Concen: 2.82 ng
 RT: 9.03 min Scan# 603
 Delta R.T. -0.00 min
 Lab File: BF082107.D
 Acq: 7 Oct 2015 16:30

Tgt Ion:237 Resp: 7435
 Ion Ratio Lower Upper
 237 100
 235 65.3 42.0 82.0
 272 16.0 0.0 36.1



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

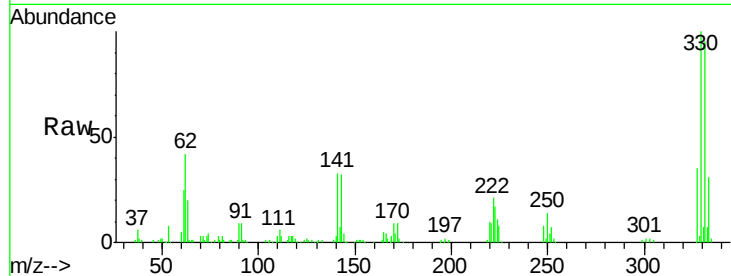




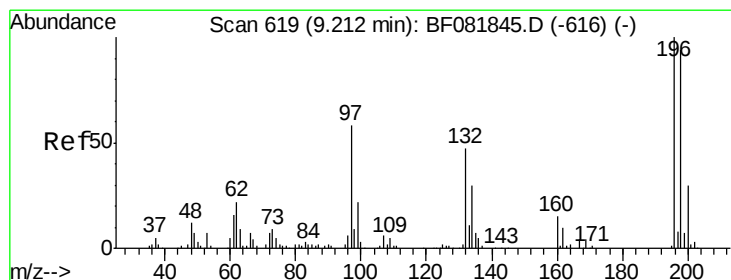
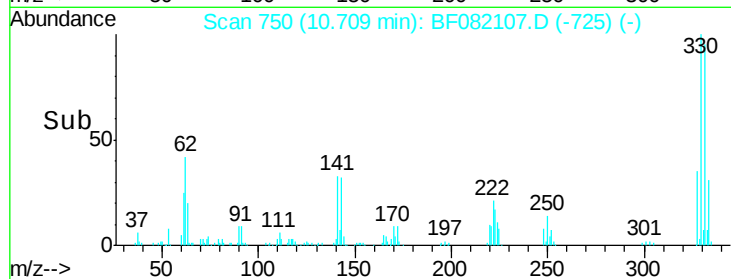
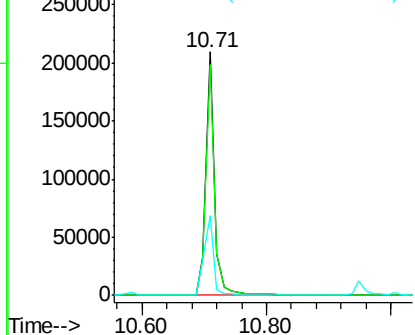
#41
 2,4,6-Tribromophenol
 Concen: 121.94 ng
 RT: 10.71 min Scan# 750
 Delta R.T. -0.01 min
 Lab File: BF082107.D
 Acq: 7 Oct 2015 16:30

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2015-01

Tot Ion:330 Resp: 206267
 Ion Ratio Lower Upper
 330 100
 332 95.4 76.6 114.8
 141 36.6 29.7 44.5

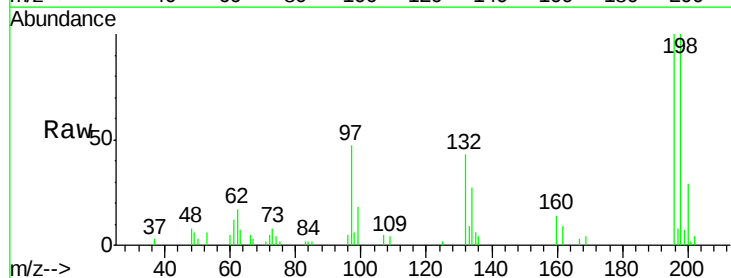


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

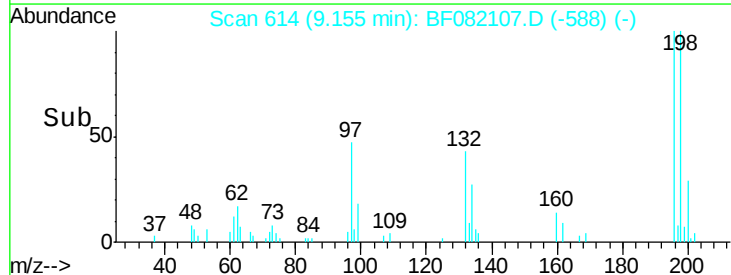
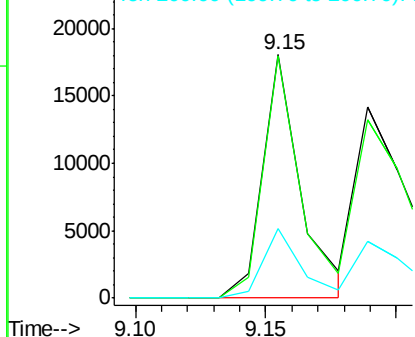


#42
 2,4,6-Trichlorophenol
 Concen: 5.21 ng
 RT: 9.15 min Scan# 614
 Delta R.T. 0.00 min
 Lab File: BF082107.D
 Acq: 7 Oct 2015 16:30

Tgt Ion:196 Resp: 18322
 Ion Ratio Lower Upper
 196 100
 198 99.5 75.7 113.5
 200 28.5 23.9 35.9



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

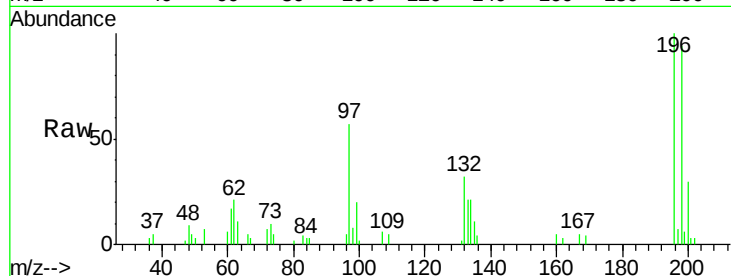




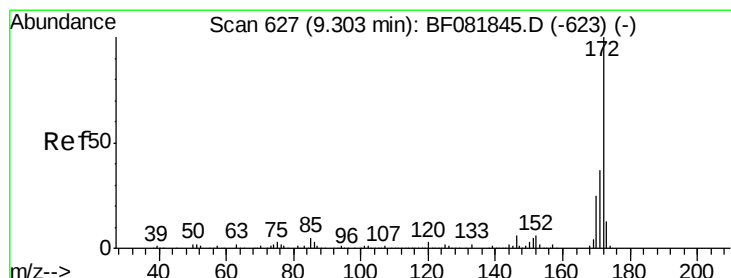
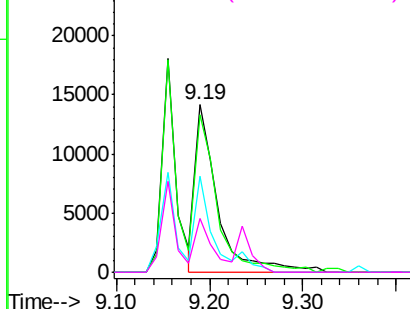
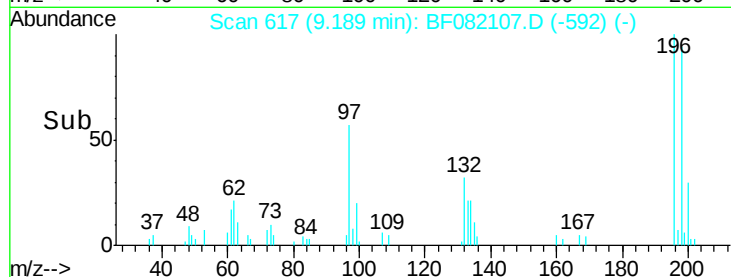
#43
 2,4,5-Trichlorophenol
 Concen: 6.59 ng
 RT: 9.19 min Scan# 617
 Delta R.T. -0.01 min
 Lab File: BF082107.D
 Acq: 7 Oct 2015 16:30

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2015-01

Tot Ion:196 Resp: 23832
 Ion Ratio Lower Upper
 196 100
 198 93.6 75.4 113.0
 97 57.4 33.3 49.9#
 132 32.4 24.6 37.0

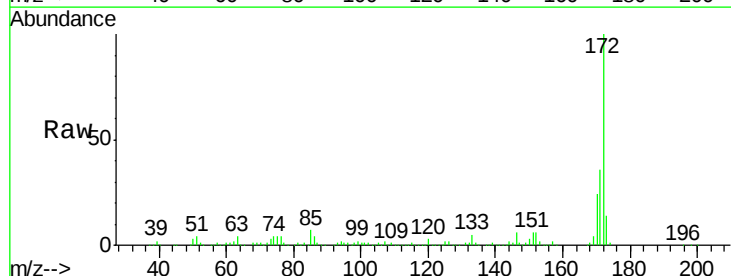


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF0
 Ion 132.00 (131.70 to 132.70): E

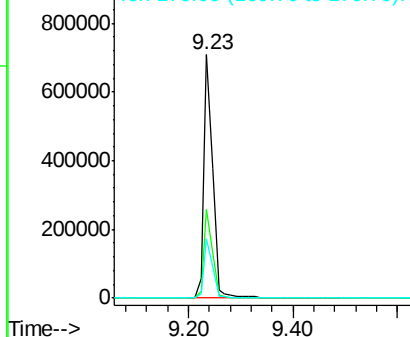
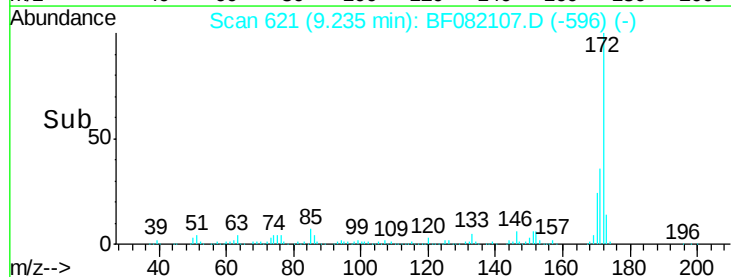


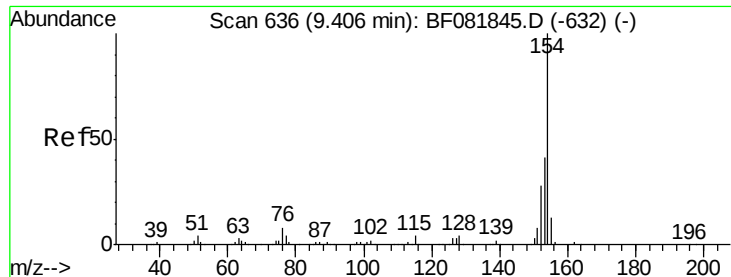
#44
 2-Fluorobiphenyl
 Concen: 84.02 ng
 RT: 9.23 min Scan# 621
 Delta R.T. -0.01 min
 Lab File: BF082107.D
 Acq: 7 Oct 2015 16:30

Tgt Ion:172 Resp: 840528
 Ion Ratio Lower Upper
 172 100
 171 36.2 26.1 39.1
 170 24.2 17.4 26.2



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





#45

1,1'-Biphenyl

Concen: 6.48 ng

RT: 9.34 min Scan# 630

Delta R.T. -0.01 min

Lab File: BF082107.D

Acq: 7 Oct 2015 16:30

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2015-01

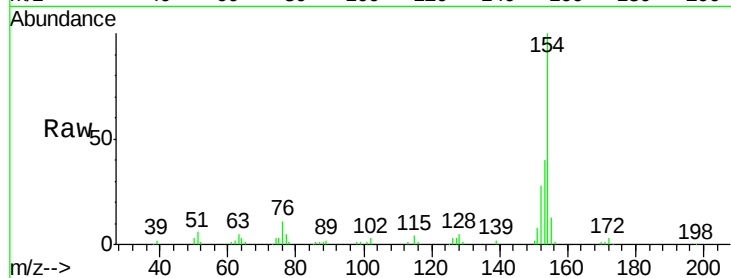
Tot Ion:154 Resp: 83546

Ion Ratio Lower Upper

154 100

153 39.7 17.1 57.1

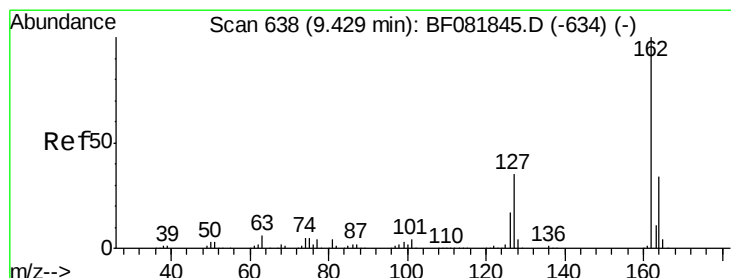
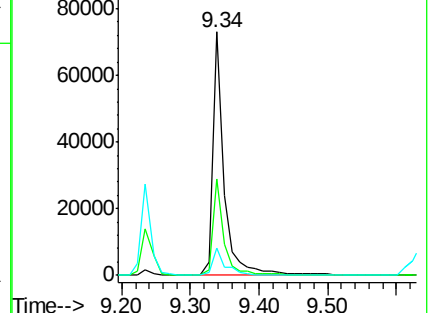
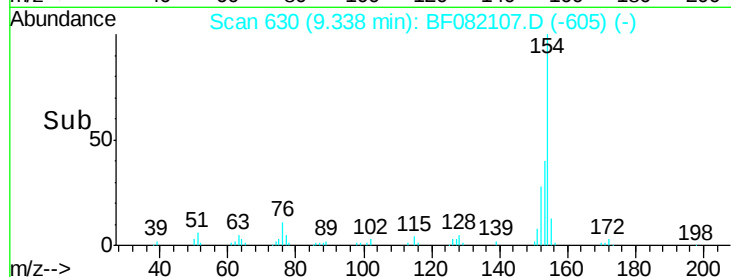
76 11.4 0.0 31.6



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0



#46

2-Chloronaphthalene

Concen: 6.34 ng

RT: 9.36 min Scan# 632

Delta R.T. -0.01 min

Lab File: BF082107.D

Acq: 7 Oct 2015 16:30

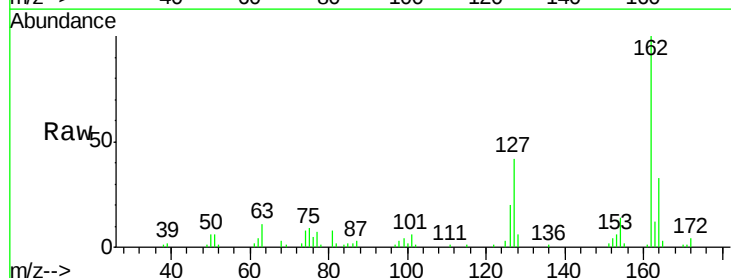
Tgt Ion:162 Resp: 64148

Ion Ratio Lower Upper

162 100

127 42.1 27.6 41.4#

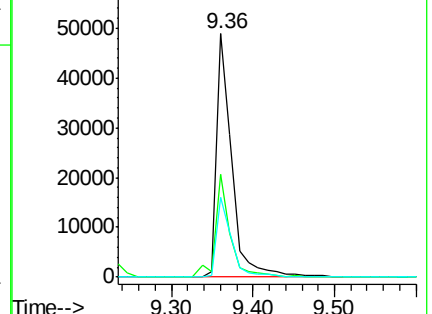
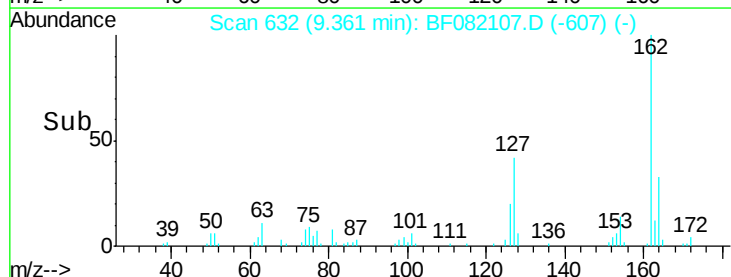
164 32.8 25.4 38.2

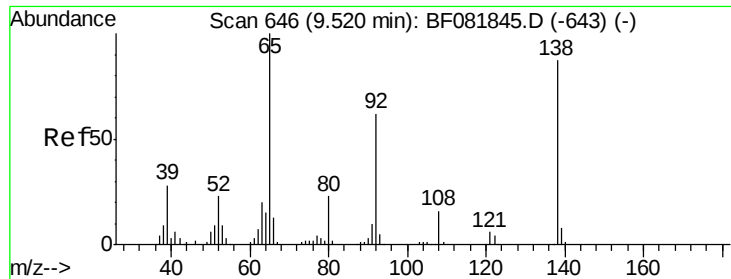


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E

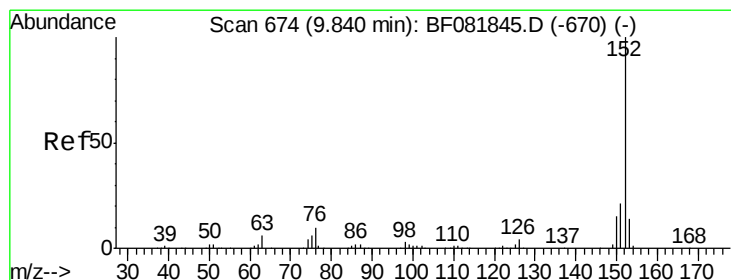
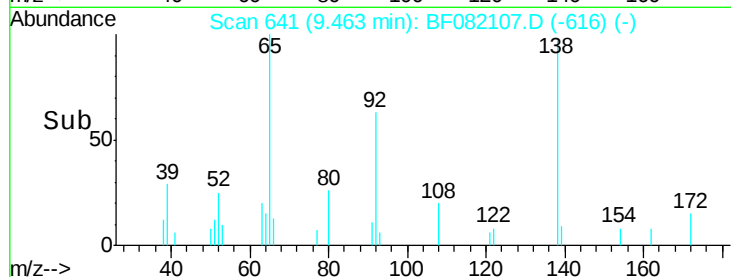
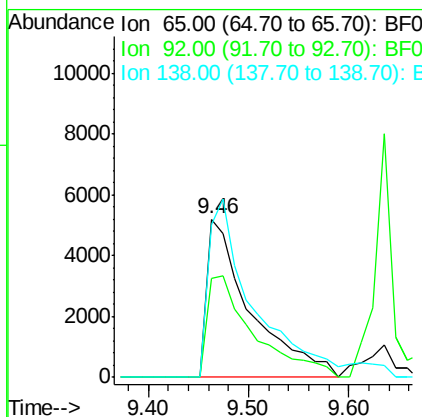
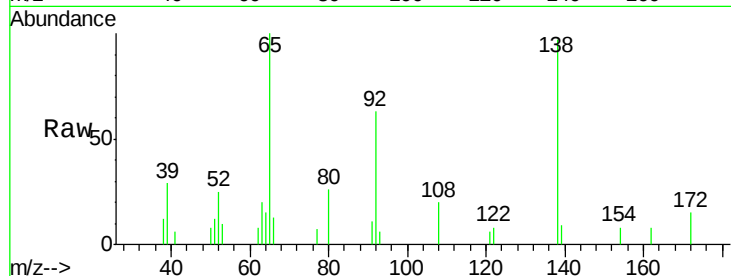




#47
2-Nitroaniline
Concen: 5.26 ng
RT: 9.46 min Scan# 641
Delta R.T. -0.01 min
Lab File: BF082107.D
Acq: 7 Oct 2015 16:30

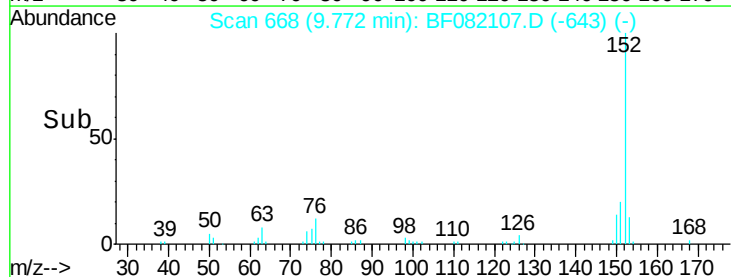
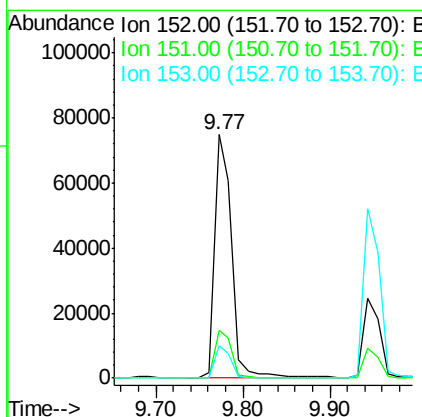
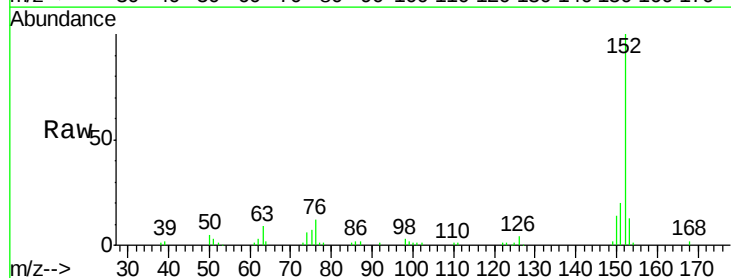
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2015-01

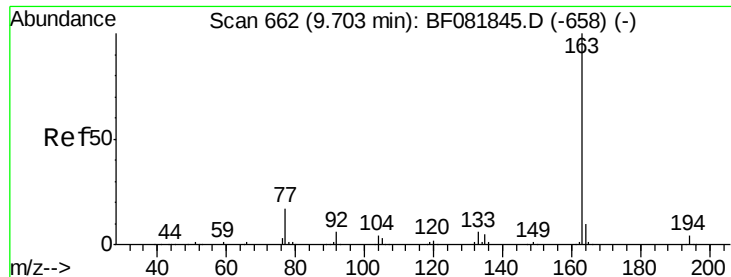
Tot Ion: 65 Resp: 15622
Ion Ratio Lower Upper
65 100
92 62.9 55.4 83.0
138 96.6 115.5 173.3#



#48
Acenaphthylene
Concen: 6.38 ng
RT: 9.77 min Scan# 668
Delta R.T. -0.01 min
Lab File: BF082107.D
Acq: 7 Oct 2015 16:30

Tgt Ion: 152 Resp: 103289
Ion Ratio Lower Upper
152 100
151 19.6 14.6 22.0
153 13.1 10.3 15.5

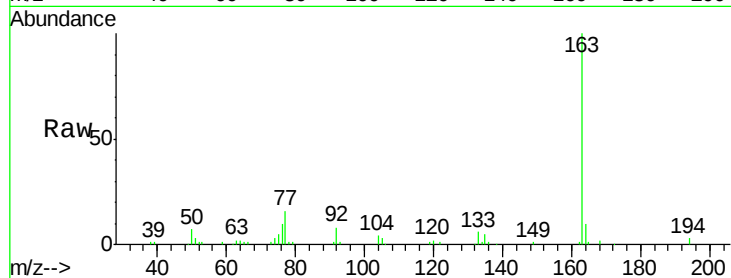




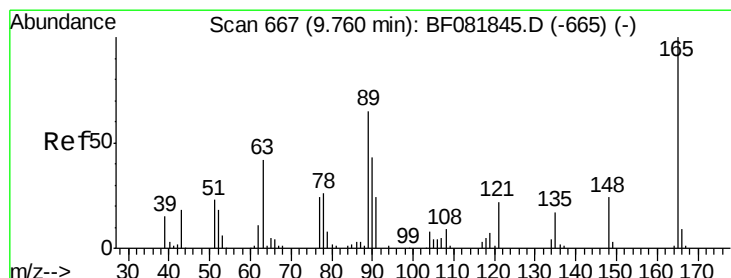
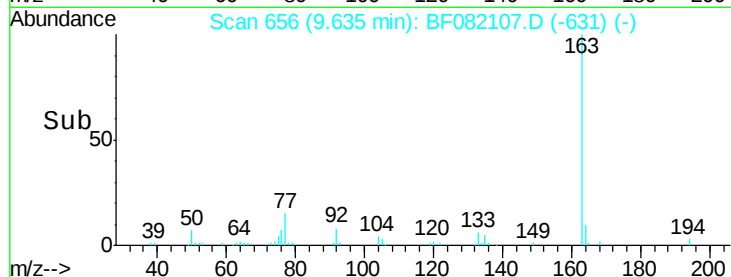
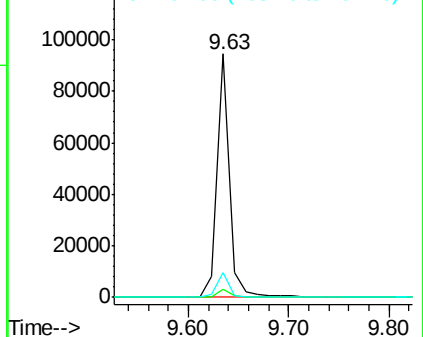
#49
Dimethylphthalate
Concen: 7.04 ng
RT: 9.63 min Scan# 656
Delta R.T. -0.01 min
Lab File: BF082107.D
Acq: 7 Oct 2015 16:30

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2015-01

Tot Ion:163 Resp: 81182
Ion Ratio Lower Upper
163 100
194 3.3 4.4 6.6#
164 10.1 8.3 12.5

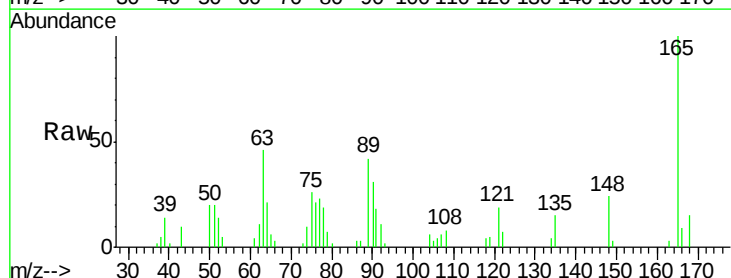


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

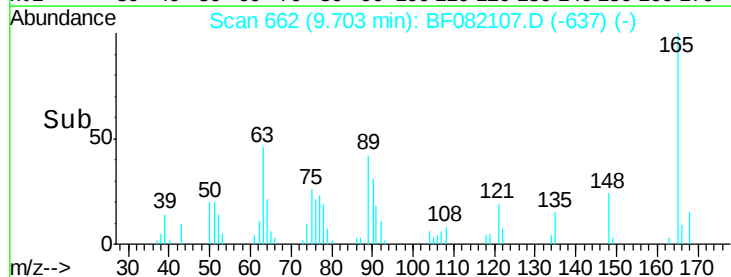
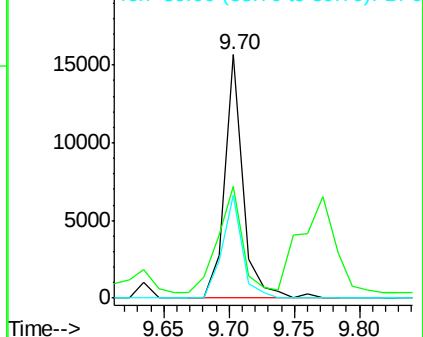


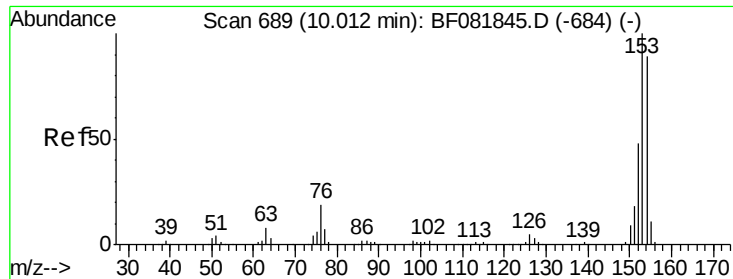
#50
2,6-Dinitrotoluene
Concen: 6.14 ng
RT: 9.70 min Scan# 662
Delta R.T. -0.01 min
Lab File: BF082107.D
Acq: 7 Oct 2015 16:30

Tgt Ion:165 Resp: 15366
Ion Ratio Lower Upper
165 100
63 46.1 32.3 48.5
89 42.0 28.6 43.0



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





#51

Acenaphthene

Concen: 6.22 ng

RT: 9.94 min Scan# 683

Delta R.T. -0.01 min

Lab File: BF082107.D

Acq: 7 Oct 2015 16:30

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2015-01

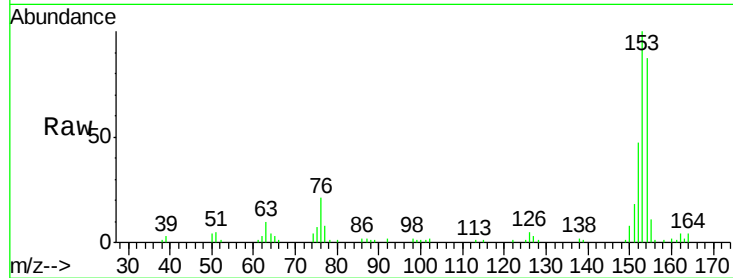
Tot Ion:154 Resp: 59814

Ion Ratio Lower Upper

154 100

153 115.2 82.1 123.1

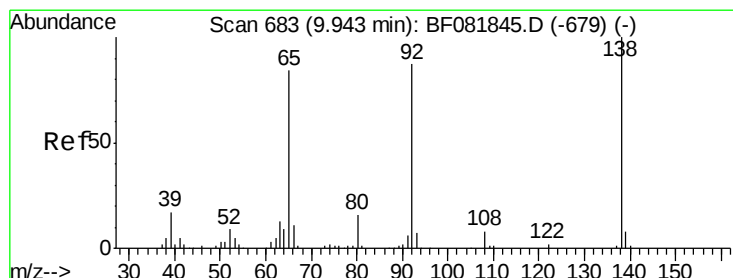
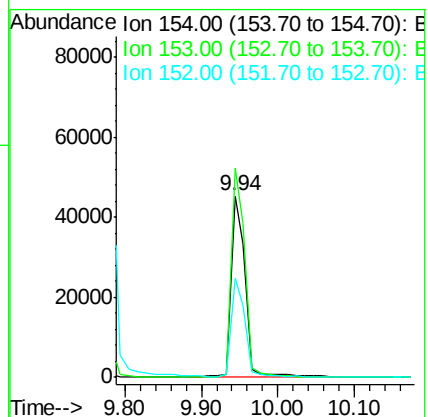
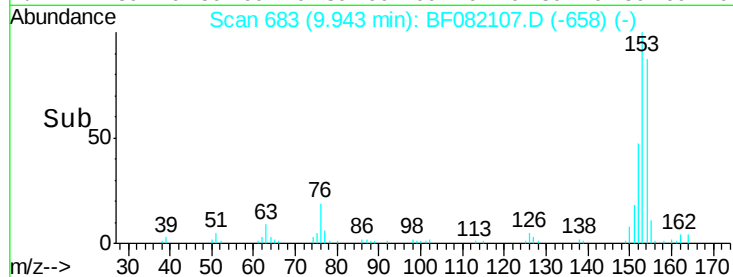
152 54.3 37.9 56.9



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: 4.53 ng

RT: 9.89 min Scan# 678

Delta R.T. -0.00 min

Lab File: BF082107.D

Acq: 7 Oct 2015 16:30

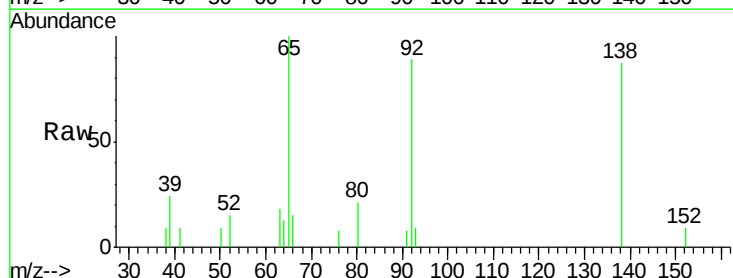
Tgt Ion:138 Resp: 13114

Ion Ratio Lower Upper

138 100

108 0.0 5.7 8.5#

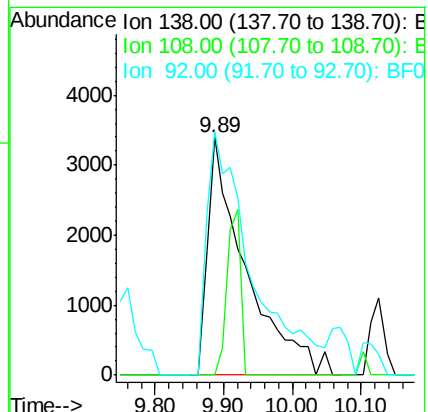
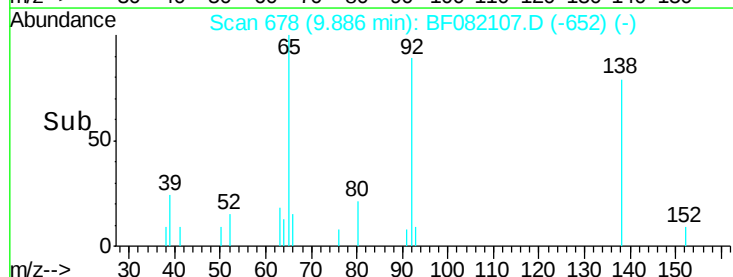
92 102.2 67.7 101.5#

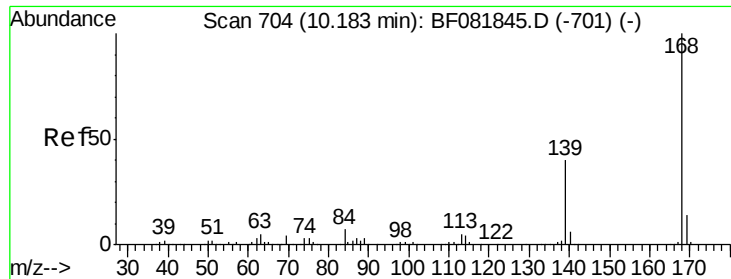


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

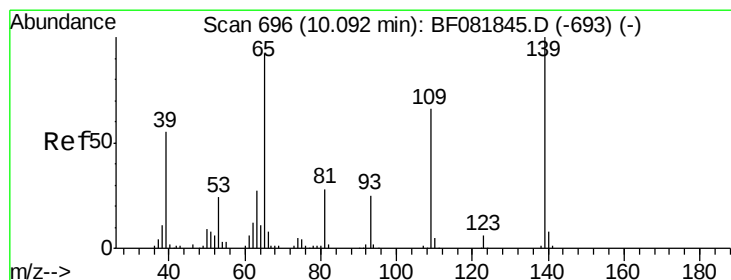
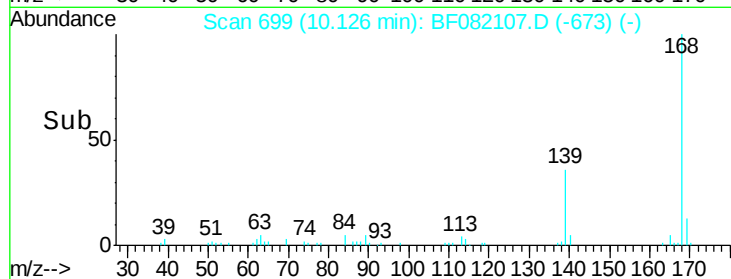
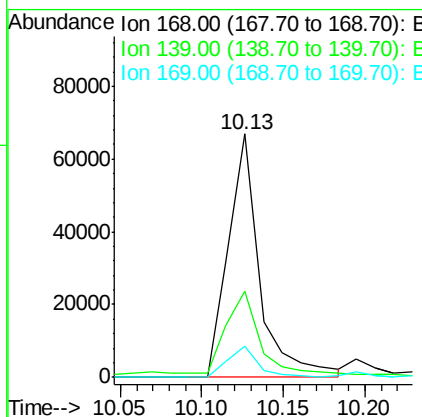
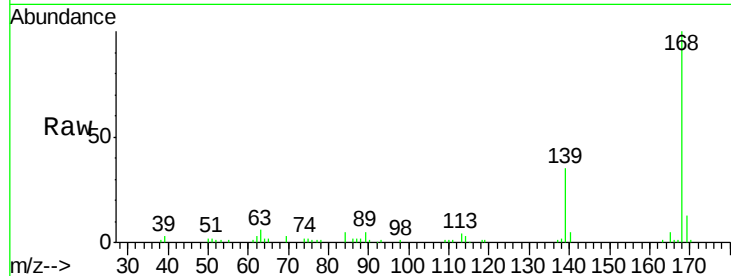




#54
Dibenzenofuran
Concen: 6.50 ng
RT: 10.13 min Scan# 699
Delta R.T. -0.00 min
Lab File: BF082107.D
Acq: 7 Oct 2015 16:30

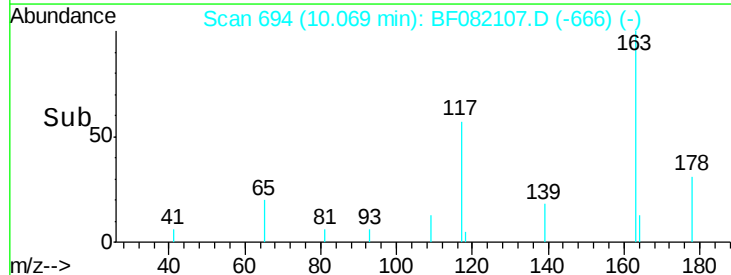
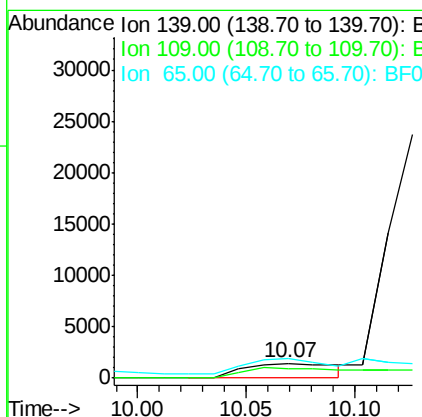
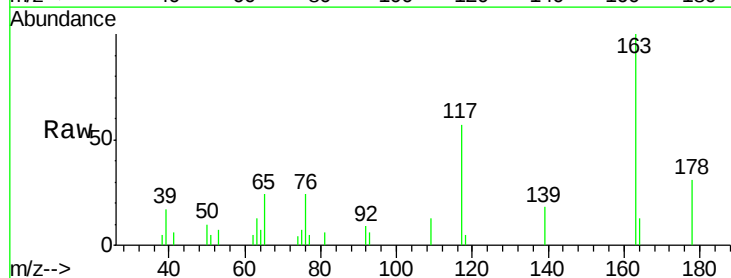
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2015-01

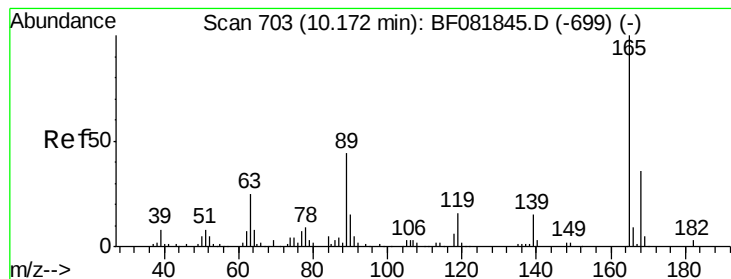
Tot Ion:168 Resp: 88378
Ion Ratio Lower Upper
168 100
139 35.4 24.2 36.2
169 12.6 10.6 15.8



#55
4-Nitrophenol
Concen: 2.02 ng
RT: 10.07 min Scan# 694
Delta R.T. 0.02 min
Lab File: BF082107.D
Acq: 7 Oct 2015 16:30

Tgt Ion:139 Resp: 4223
Ion Ratio Lower Upper
139 100
109 68.5 12.7 52.7#
65 133.0 45.9 85.9#

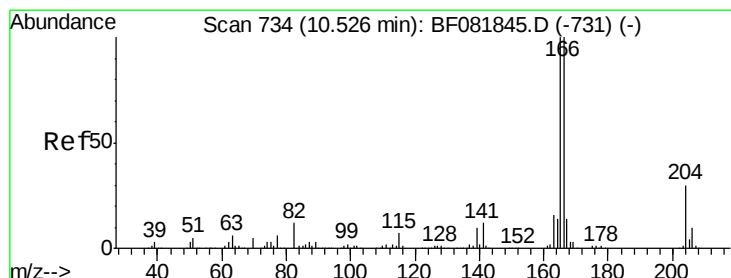
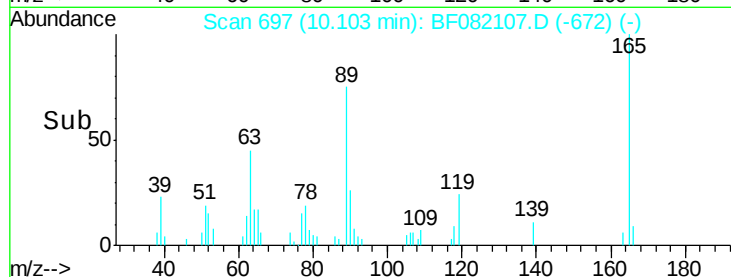
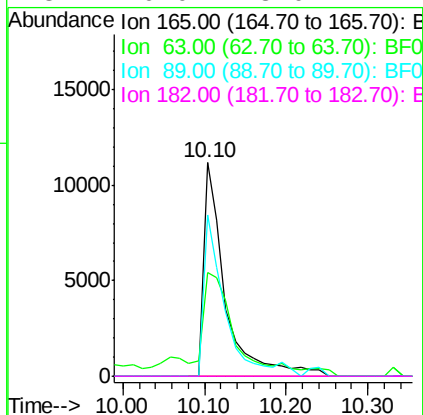
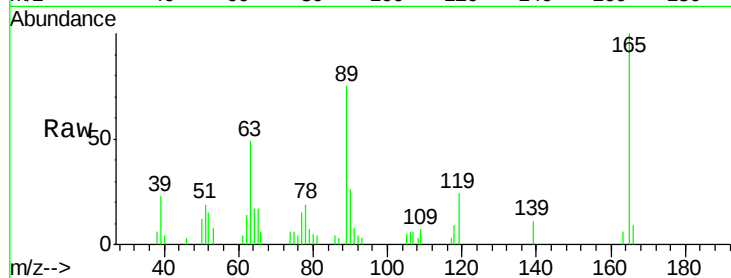




#56
2,4-Dinitrotoluene
Concen: 6.48 ng
RT: 10.10 min Scan# 697
Delta R.T. -0.01 min
Lab File: BF082107.D
Acq: 7 Oct 2015 16:30

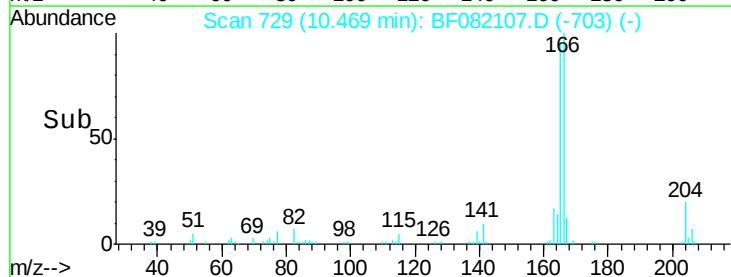
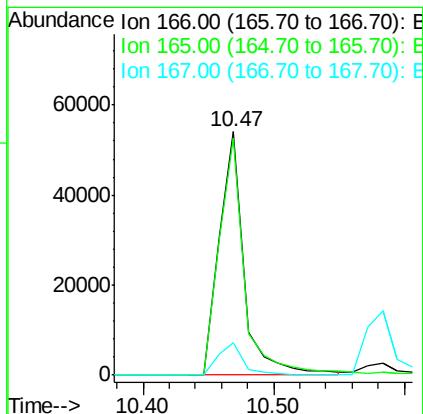
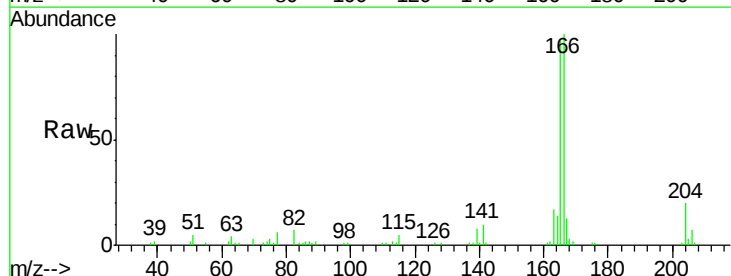
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2015-01

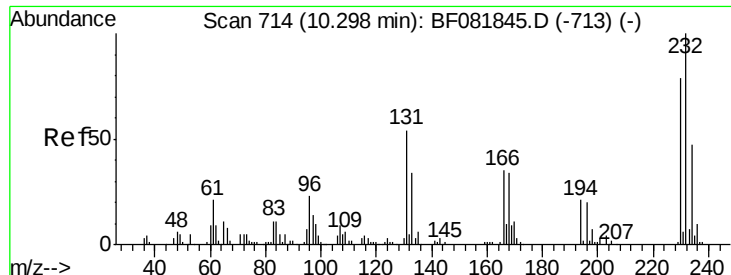
Tot Ion:165 Resp: 20661
Ion Ratio Lower Upper
165 100
63 48.7 29.8 44.6#
89 75.3 44.5 66.7#
182 0.0 3.0 4.4#



#57
Fluorene
Concen: 5.55 ng
RT: 10.47 min Scan# 729
Delta R.T. 0.00 min
Lab File: BF082107.D
Acq: 7 Oct 2015 16:30

Tgt Ion:166 Resp: 72177
Ion Ratio Lower Upper
166 100
165 97.2 72.6 109.0
167 13.5 10.6 16.0

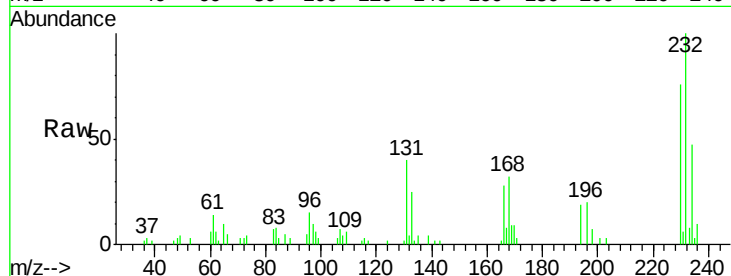




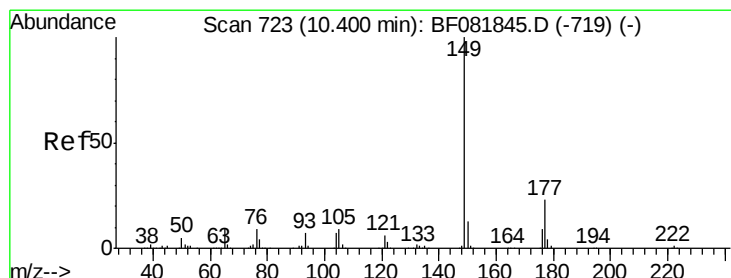
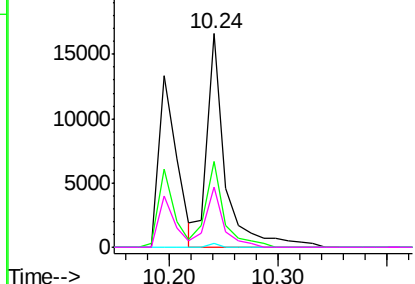
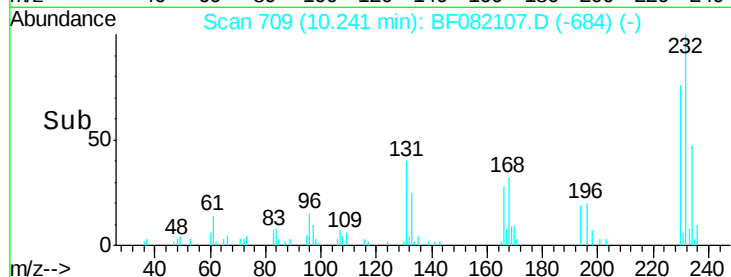
#58
 2,3,4,6-Tetrachlorophenol
 Concen: 6.84 ng
 RT: 10.24 min Scan# 709
 Delta R.T. -0.01 min
 Lab File: BF082107.D
 Acq: 7 Oct 2015 16:30

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2015-01

Tot Ion:232 Resp: 19615
 Ion Ratio Lower Upper
 232 100
 131 40.2 38.5 57.7
 130 1.1 1.8 2.6#
 166 27.4 25.0 37.6

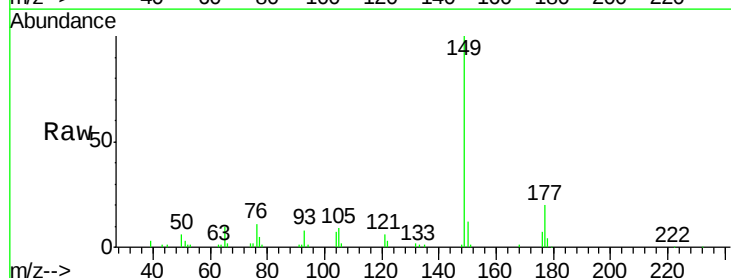


Abundance Ion 232.00 (231.70 to 232.70): E
 Ion 131.00 (130.70 to 131.70): E
 Ion 130.00 (129.70 to 130.70): E
 Ion 166.00 (165.70 to 166.70): E

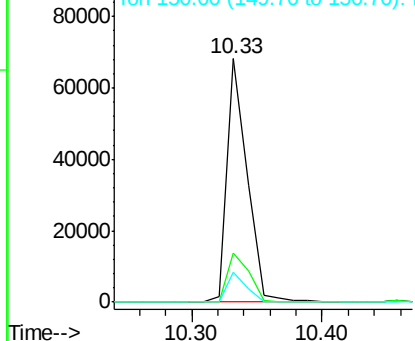
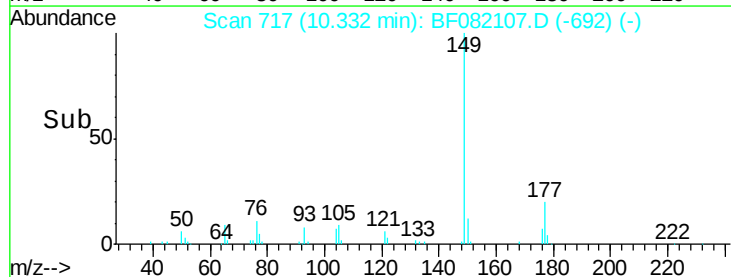


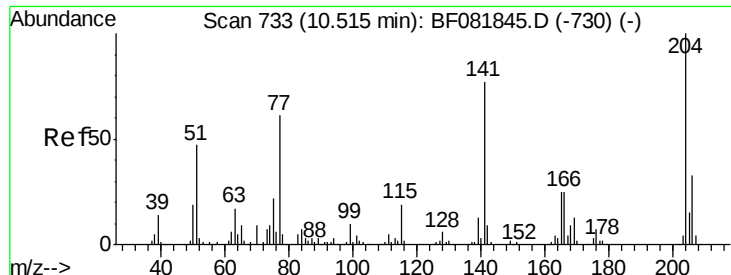
#59
 Diethylphthalate
 Concen: 6.78 ng
 RT: 10.33 min Scan# 717
 Delta R.T. -0.01 min
 Lab File: BF082107.D
 Acq: 7 Oct 2015 16:30

Tgt Ion:149 Resp: 72994
 Ion Ratio Lower Upper
 149 100
 177 20.3 17.5 26.3
 150 12.1 9.4 14.2



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

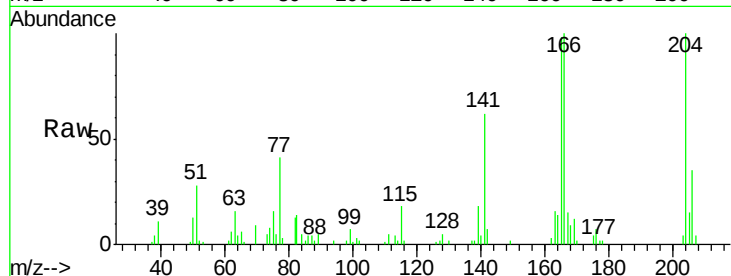




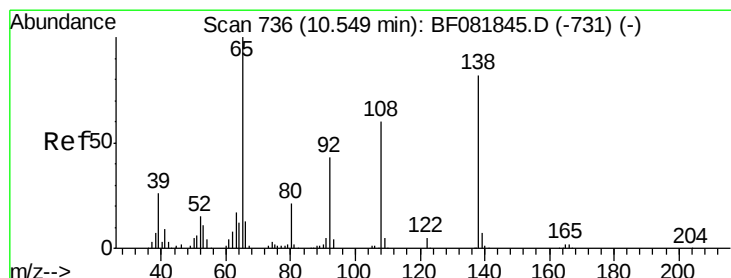
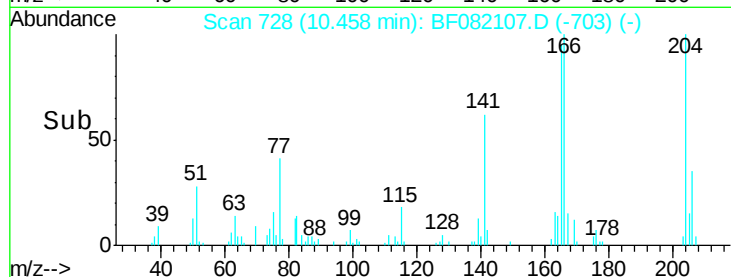
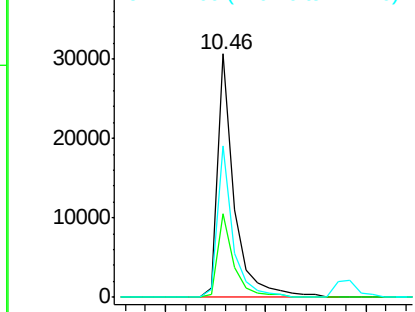
#60
4-Chlorophenyl-phenylether
Concen: 7.05 ng
RT: 10.46 min Scan# 728
Delta R.T. -0.01 min
Lab File: BF082107.D
Acq: 7 Oct 2015 16:30

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2015-01

Tot Ion:204 Resp: 35098
Ion Ratio Lower Upper
204 100
206 34.6 24.8 37.2
141 62.0 42.2 63.4

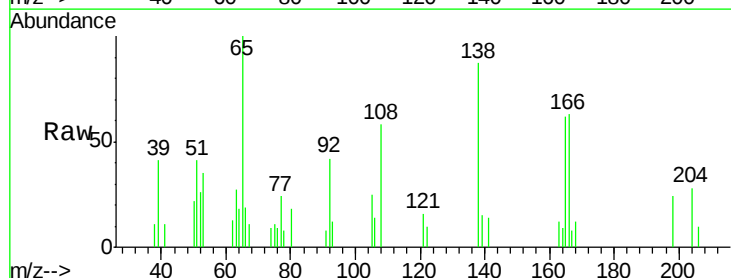


Abundance Ion 204.00 (203.70 to 204.70): E
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E

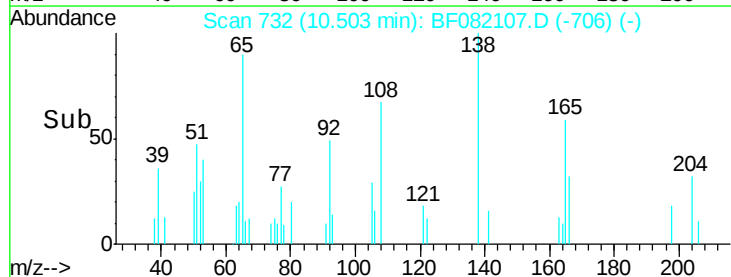
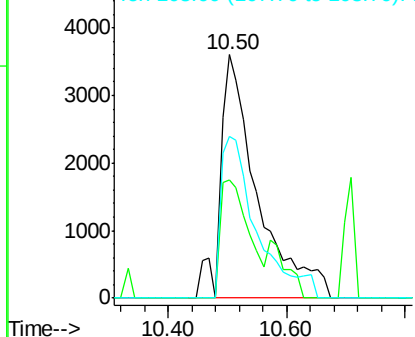


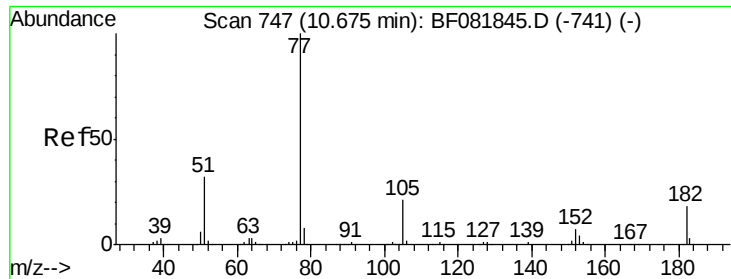
#61
4-Nitroaniline
Concen: 5.38 ng
RT: 10.50 min Scan# 732
Delta R.T. -0.00 min
Lab File: BF082107.D
Acq: 7 Oct 2015 16:30

Tgt Ion:138 Resp: 15609
Ion Ratio Lower Upper
138 100
92 48.6 12.6 52.6
108 66.6 12.4 52.4#



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: 6.61 ng

RT: 10.62 min Scan# 742

Delta R.T. -0.00 min

Lab File: BF082107.D

Acq: 7 Oct 2015 16:30

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2015-01

Tot Ion: 77 Resp: 69500

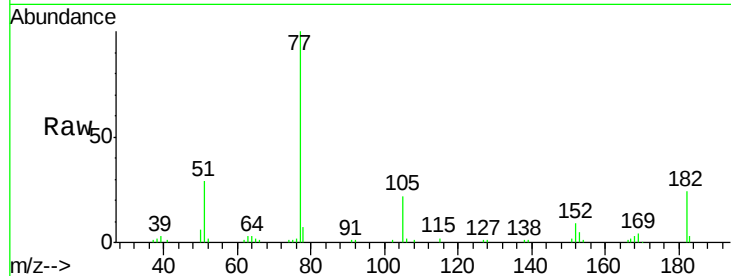
Ion Ratio Lower Upper

77 100

182 23.7 15.1 55.1

105 22.5 3.4 43.4

51 29.0 12.0 52.0

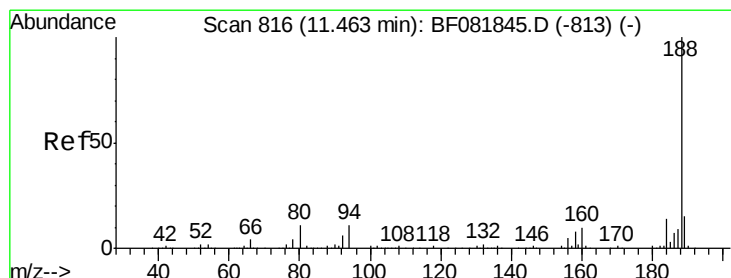
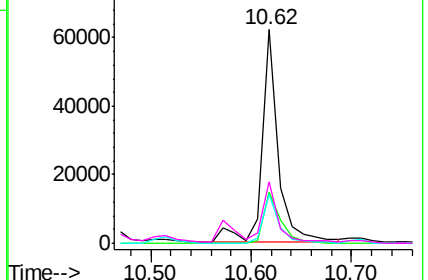
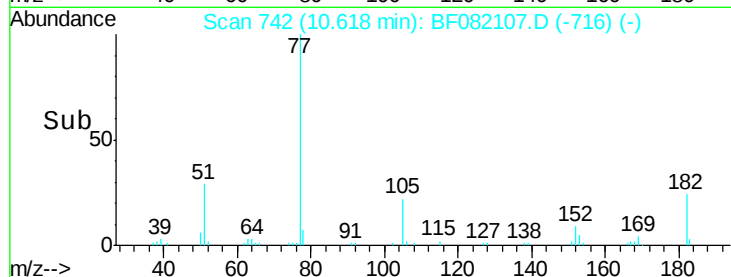


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 51.00 (50.70 to 51.70): BF0



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.41 min Scan# 811

Delta R.T. -0.00 min

Lab File: BF082107.D

Acq: 7 Oct 2015 16:30

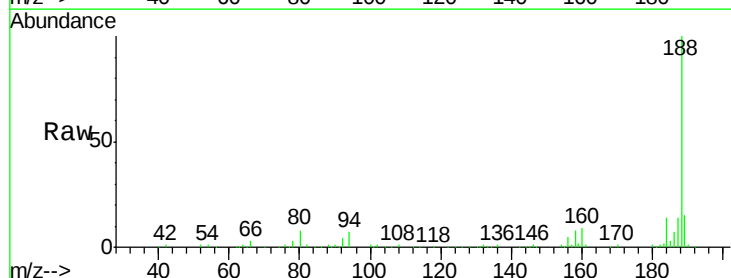
Tgt Ion: 188 Resp: 337553

Ion Ratio Lower Upper

188 100

94 7.2 11.1 16.7#

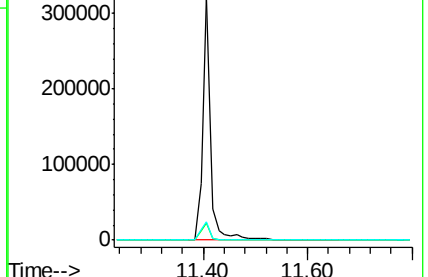
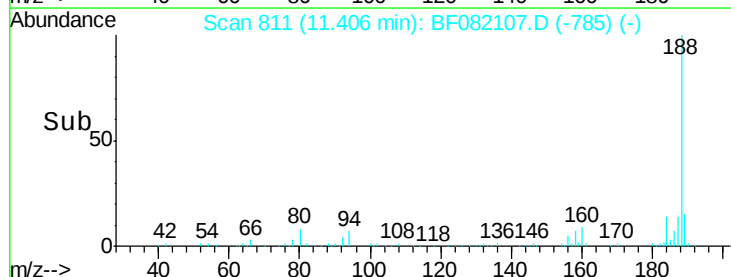
80 7.6 11.0 16.4#

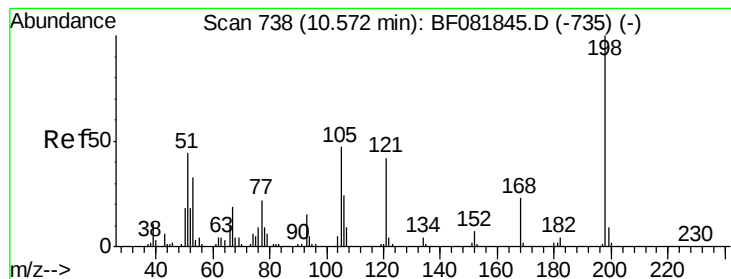


Abundance Ion 188.00 (187.70 to 188.70): BF0

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: 5.91 ng

RT: 10.51 min Scan# 733

Delta R.T. -0.01 min

Lab File: BF082107.D

Acq: 7 Oct 2015 16:30

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2015-01

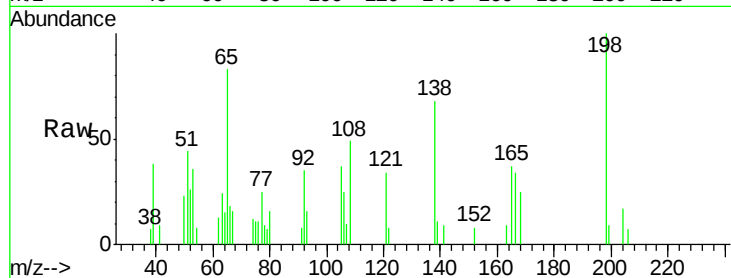
Tot Ion:198 Resp: 6072

Ion Ratio Lower Upper

198 100

51 44.2 39.6 79.6

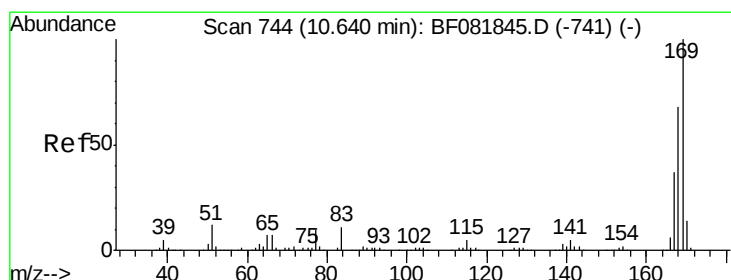
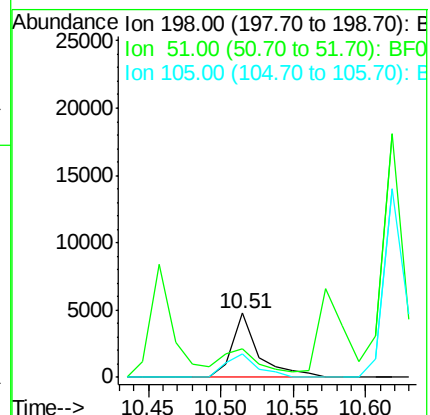
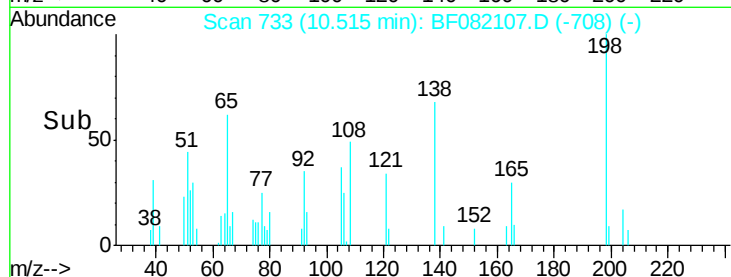
105 36.6 28.5 68.5



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E



#65

n-Nitrosodiphenylamine

Concen: 6.09 ng

RT: 10.58 min Scan# 739

Delta R.T. 0.00 min

Lab File: BF082107.D

Acq: 7 Oct 2015 16:30

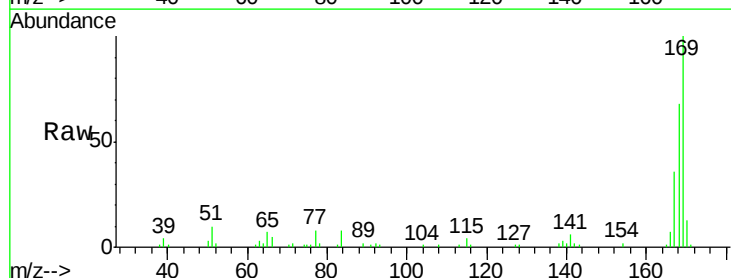
Tgt Ion:169 Resp: 62239

Ion Ratio Lower Upper

169 100

168 67.7 48.9 73.3

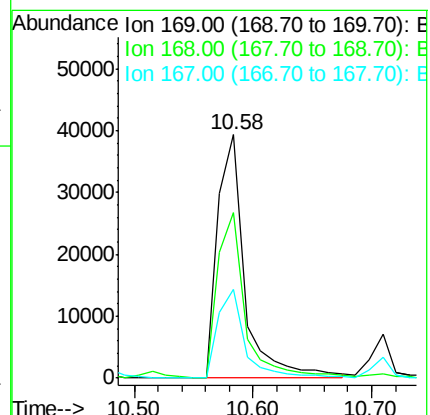
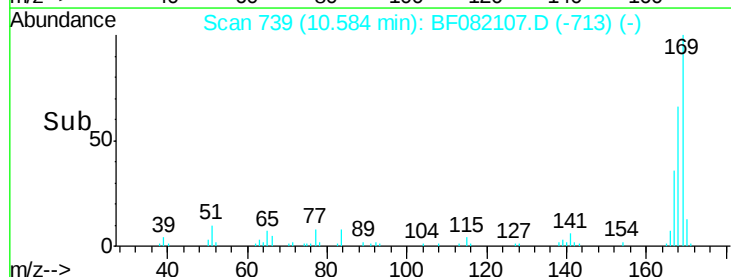
167 36.3 26.2 39.4

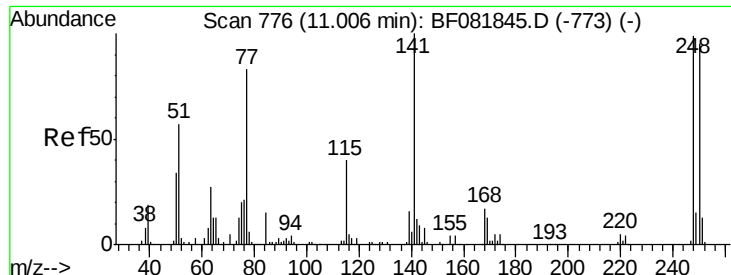


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

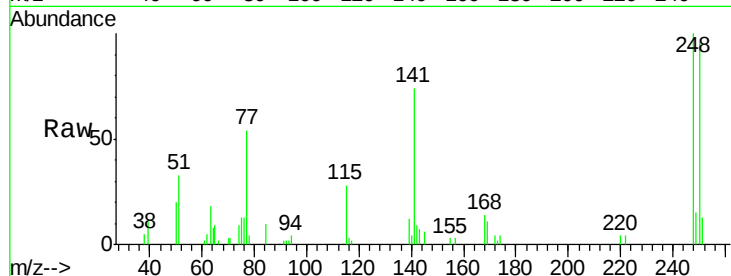




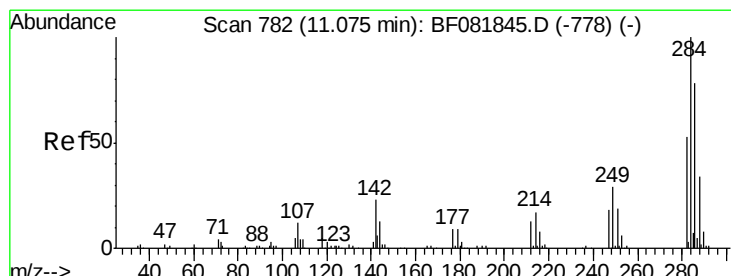
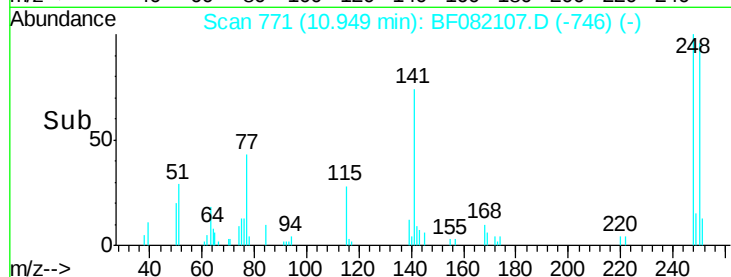
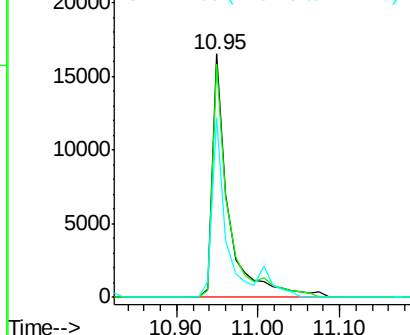
#66
 4-Bromophenyl-phenylether
 Concen: 6.70 ng
 RT: 10.95 min Scan# 771
 Delta R.T. -0.01 min
 Lab File: BF082107.D
 Acq: 7 Oct 2015 16:30

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2015-01

Tot Ion:248 Resp: 22816
 Ion Ratio Lower Upper
 248 100
 250 95.7 78.5 117.7
 141 73.9 59.0 88.6

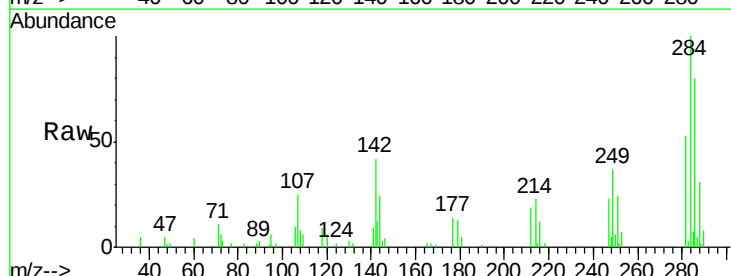


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

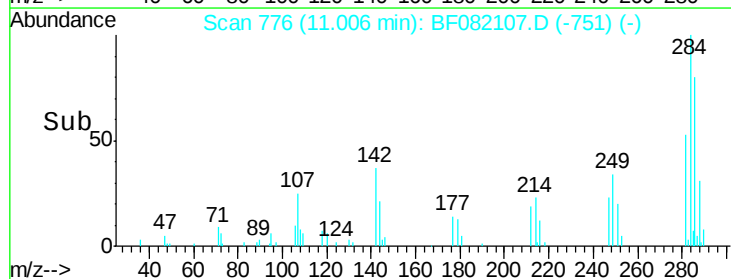
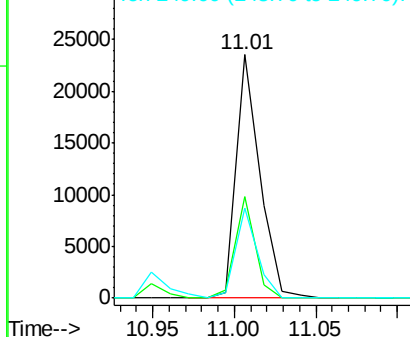


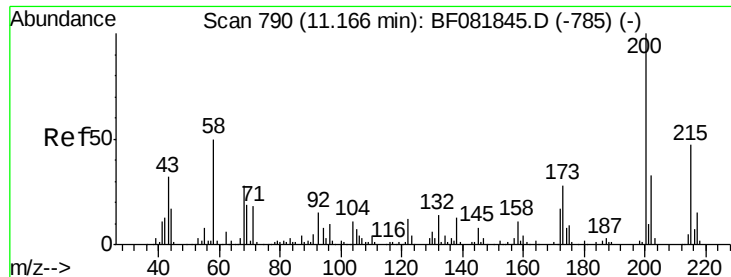
#67
 Hexachlorobenzene
 Concen: 6.06 ng
 RT: 11.01 min Scan# 776
 Delta R.T. -0.01 min
 Lab File: BF082107.D
 Acq: 7 Oct 2015 16:30

Tgt Ion:284 Resp: 23296
 Ion Ratio Lower Upper
 284 100
 142 41.5 29.5 44.3
 249 36.9 19.5 29.3#



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

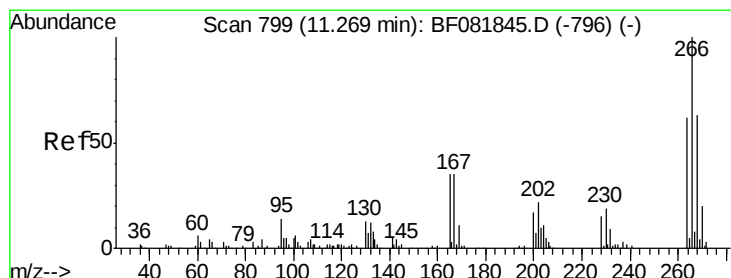
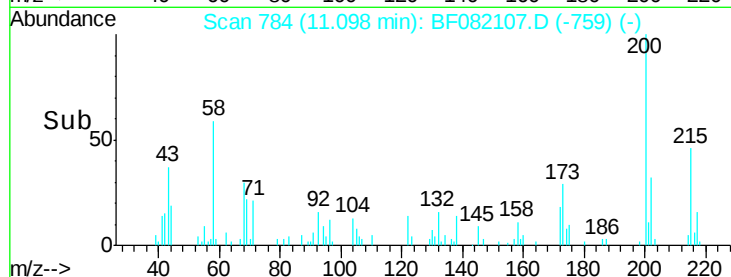
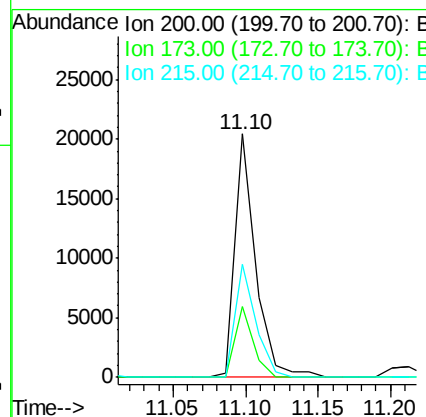
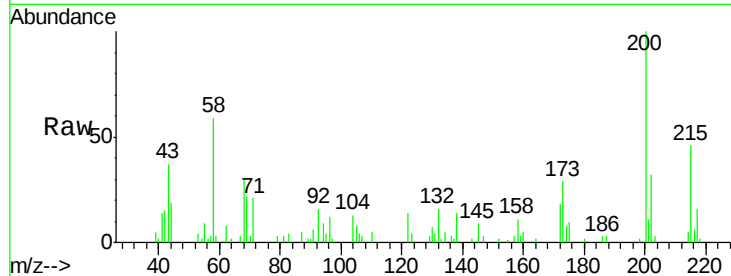




#68
Atrazine
Concen: 6.37 ng
RT: 11.10 min Scan# 784
Delta R.T. -0.01 min
Lab File: BF082107.D
Acq: 7 Oct 2015 16:30

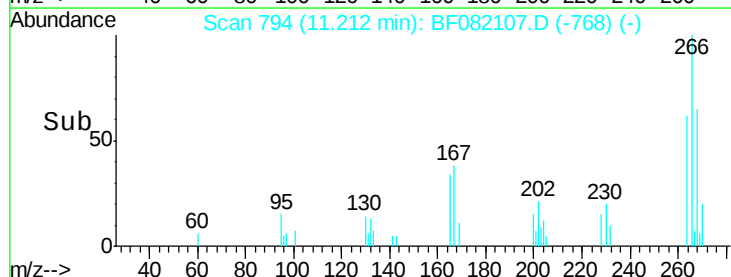
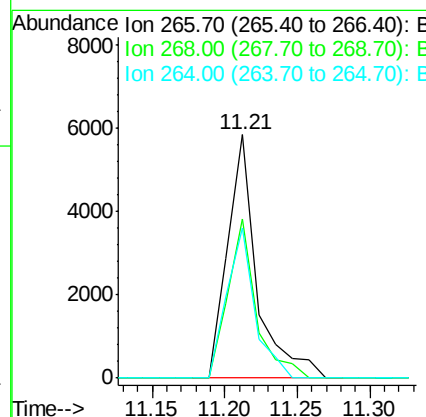
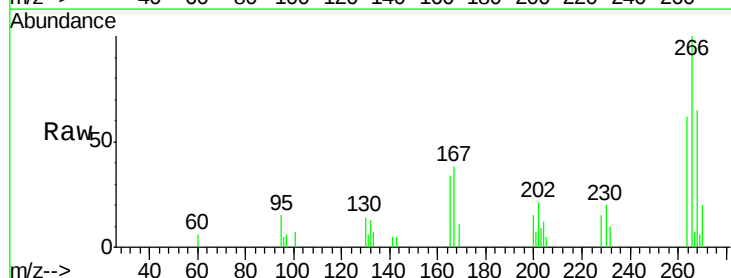
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2015-01

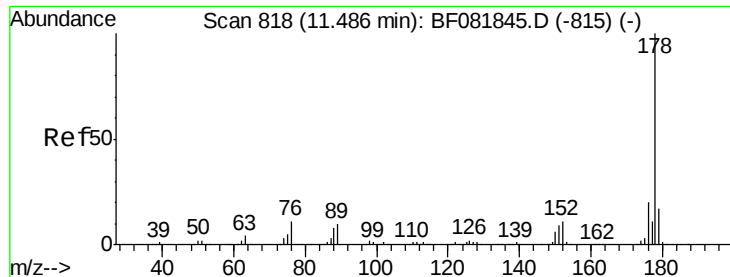
Tot Ion:200 Resp: 20175
Ion Ratio Lower Upper
200 100
173 28.9 13.2 53.2
215 46.3 41.8 81.8



#69
Pentachlorophenol
Concen: 3.73 ng
RT: 11.21 min Scan# 794
Delta R.T. 0.00 min
Lab File: BF082107.D
Acq: 7 Oct 2015 16:30

Tgt Ion:266 Resp: 8174
Ion Ratio Lower Upper
266 100
268 65.1 49.8 74.6
264 61.5 50.2 75.2

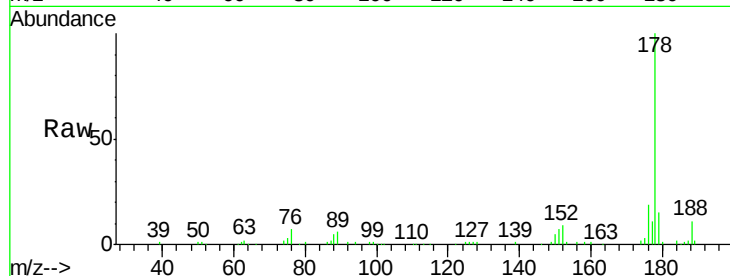




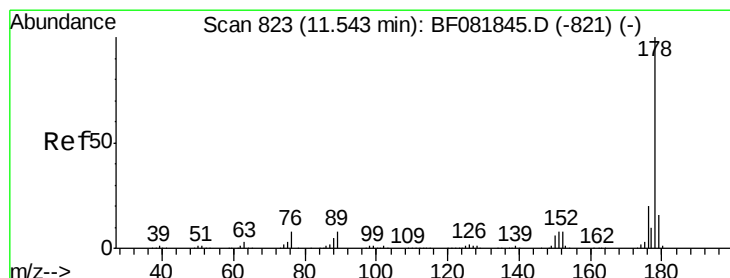
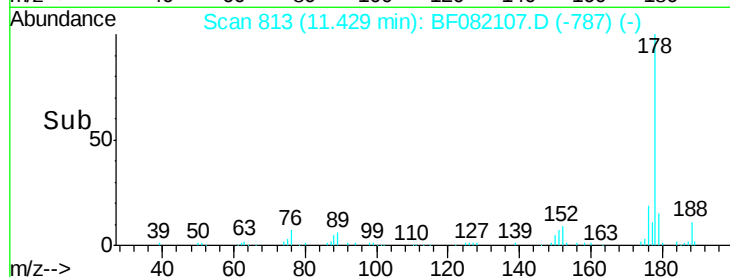
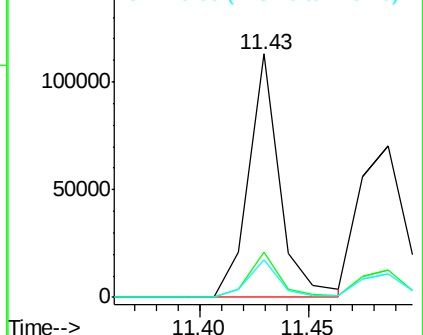
#70
Phenanthrene
Concen: 5.46 ng
RT: 11.43 min Scan# 813
Delta R.T. 0.00 min
Lab File: BF082107.D
Acq: 7 Oct 2015 16:30

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2015-01

Tot Ion:178 Resp: 112457
Ion Ratio Lower Upper
178 100
176 18.7 13.8 20.8
179 15.3 12.2 18.2

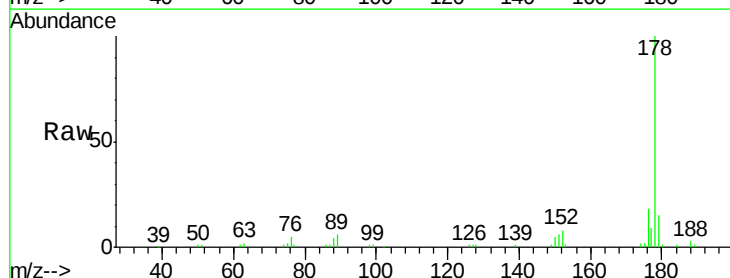


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

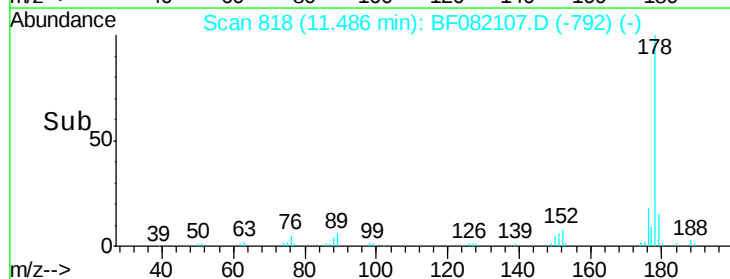
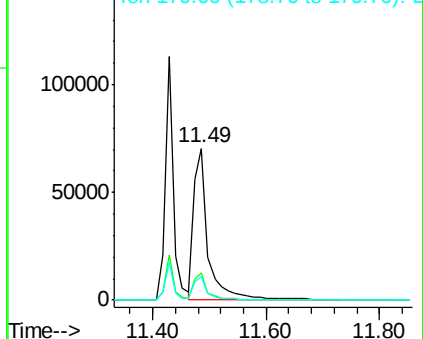


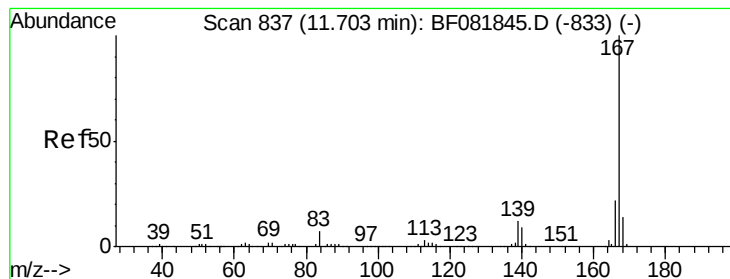
#71
Anthracene
Concen: 7.20 ng
RT: 11.49 min Scan# 818
Delta R.T. 0.00 min
Lab File: BF082107.D
Acq: 7 Oct 2015 16:30

Tgt Ion:178 Resp: 123466
Ion Ratio Lower Upper
178 100
176 17.7 14.1 21.1
179 15.3 12.2 18.2



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





#72

Carbazole

Concen: 6.64 ng

RT: 11.65 min Scan# 832

Delta R.T. -0.00 min

Lab File: BF082107.D

Acq: 7 Oct 2015 16:30

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2015-01

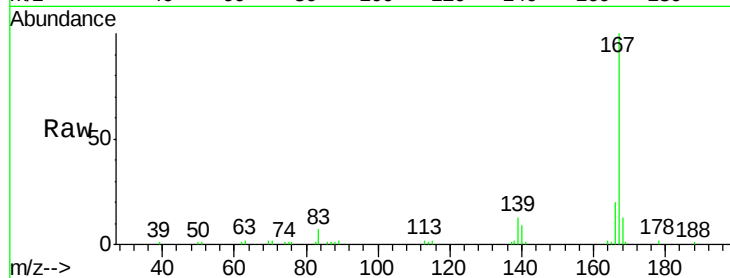
Tot Ion:167 Resp: 103164

Ion Ratio Lower Upper

167 100

166 20.0 15.7 23.5

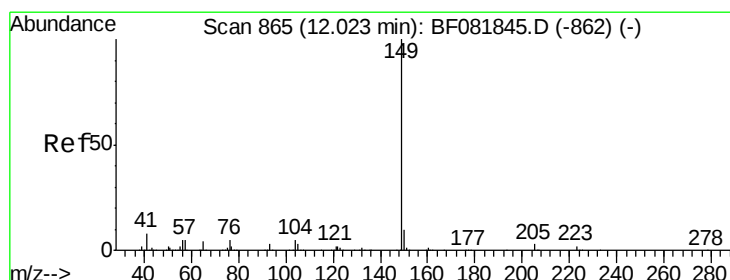
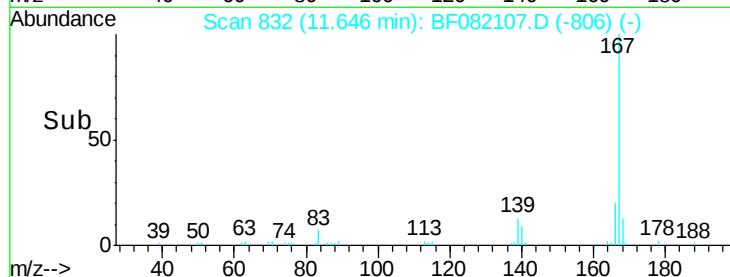
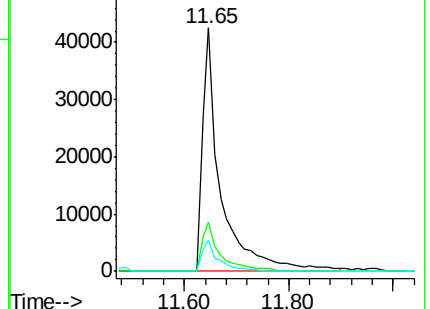
139 12.6 9.5 14.3



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#73

Di-n-butylphthalate

Concen: 6.71 ng

RT: 11.97 min Scan# 860

Delta R.T. -0.00 min

Lab File: BF082107.D

Acq: 7 Oct 2015 16:30

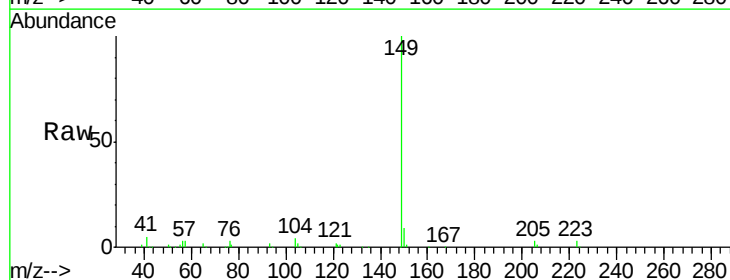
Tgt Ion:149 Resp: 124155

Ion Ratio Lower Upper

149 100

150 8.9 7.4 11.2

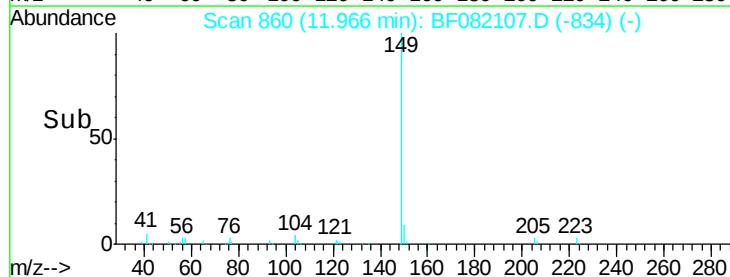
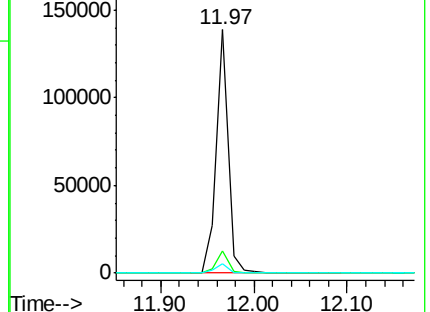
104 4.0 2.4 3.6#

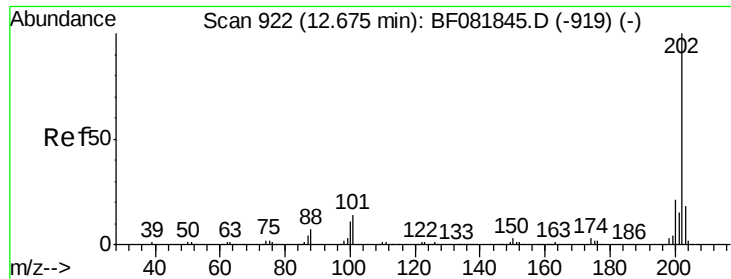


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

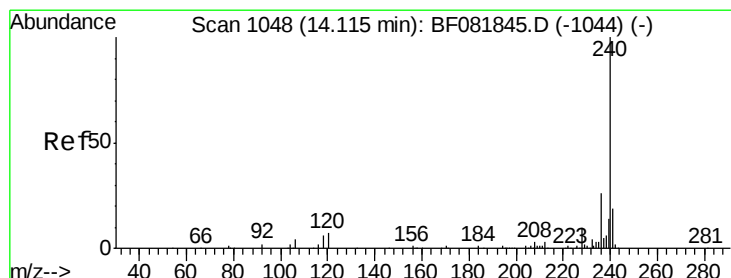
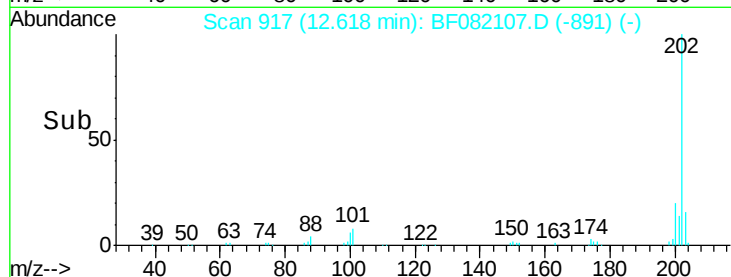
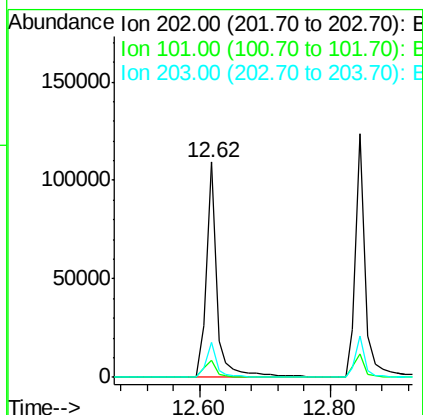
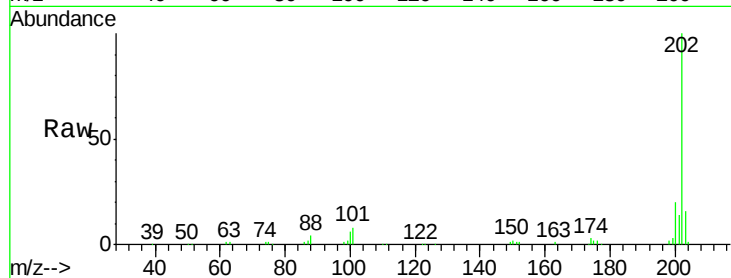




#74
 Fluoranthene
 Concen: 6.85 ng
 RT: 12.62 min Scan# 917
 Delta R.T. 0.00 min
 Lab File: BF082107.D
 Acq: 7 Oct 2015 16:30

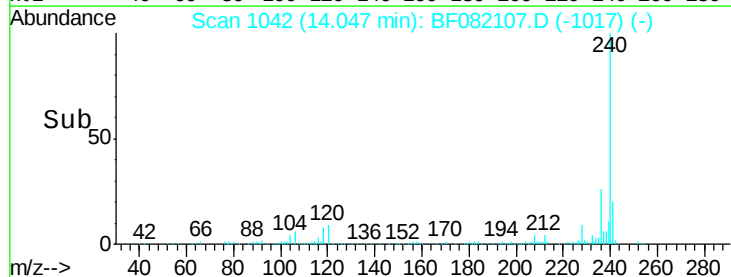
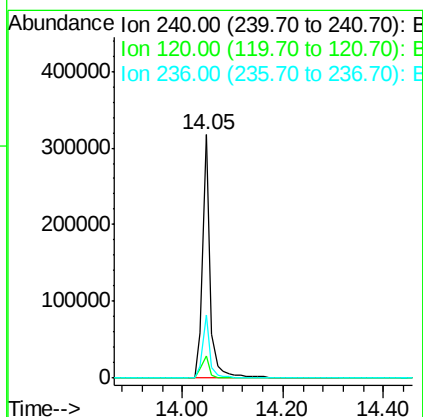
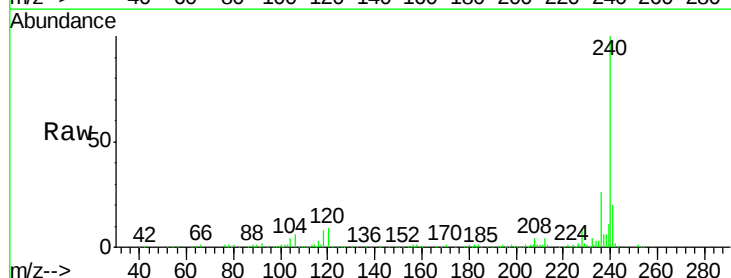
Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2015-01

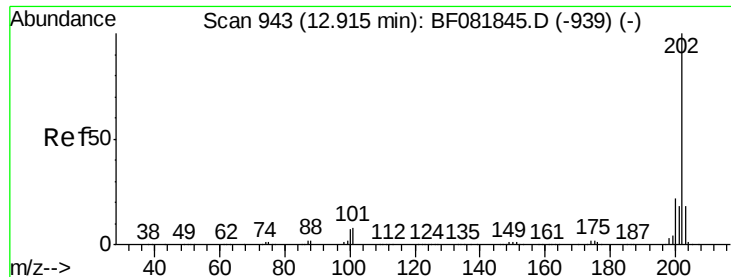
Tot Ion:202 Resp: 123780
 Ion Ratio Lower Upper
 202 100
 101 8.2 0.0 38.3
 203 16.3 0.0 37.3



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.05 min Scan# 1042
 Delta R.T. -0.01 min
 Lab File: BF082107.D
 Acq: 7 Oct 2015 16:30

Tgt Ion:240 Resp: 333510
 Ion Ratio Lower Upper
 240 100
 120 9.0 16.2 24.2#
 236 26.0 18.4 27.6

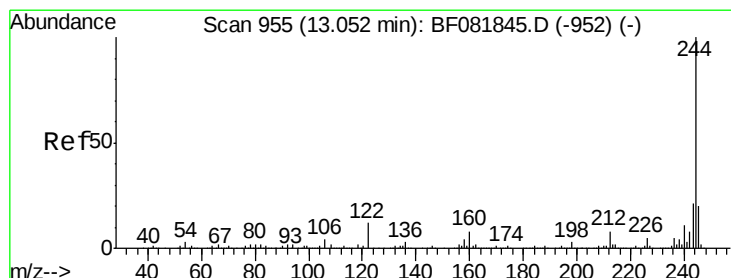
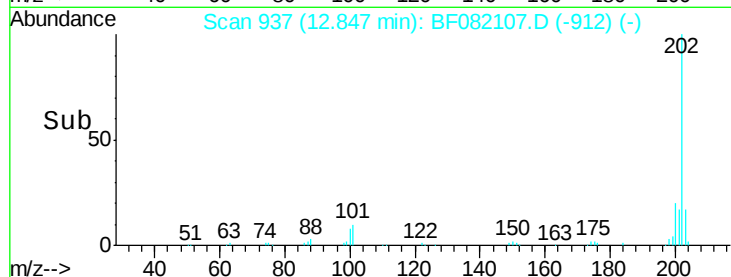
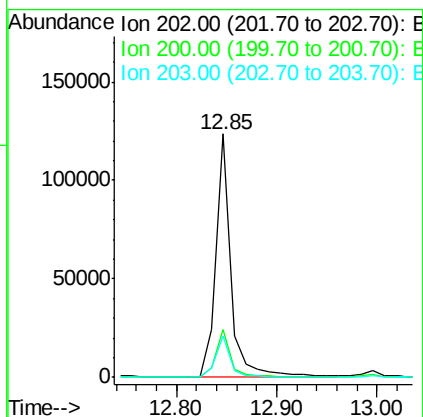
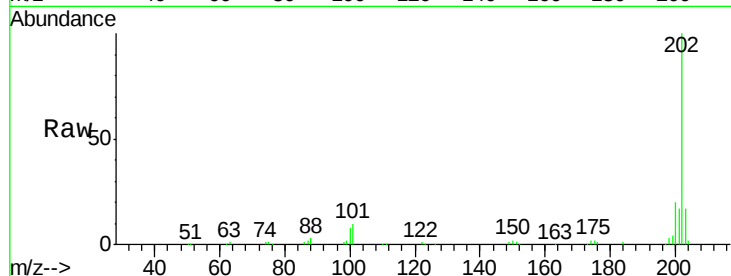




#77
Pvrene
Concen: 6.55 ng
RT: 12.85 min Scan# 937
Delta R.T. -0.01 min
Lab File: BF082107.D
Acq: 7 Oct 2015 16:30

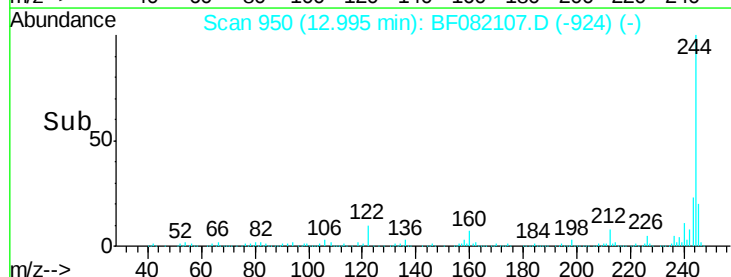
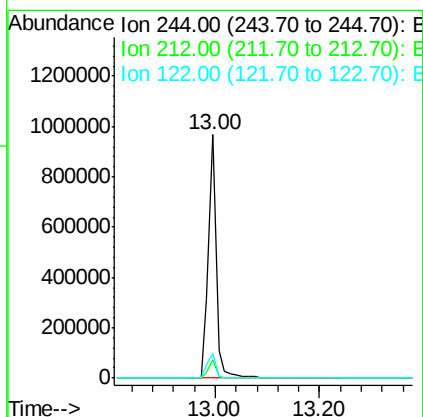
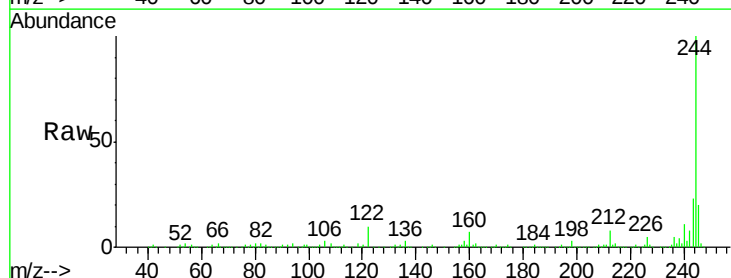
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2015-01

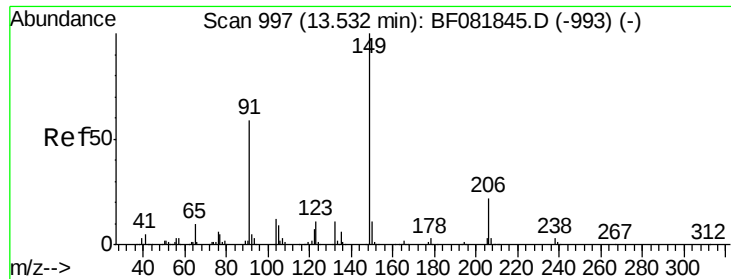
Tot Ion:202 Resp: 130518
Ion Ratio Lower Upper
202 100
200 19.7 15.0 22.4
203 16.9 14.1 21.1



#78
Terphenyl-d14
Concen: 105.67 ng
RT: 13.00 min Scan# 950
Delta R.T. 0.00 min
Lab File: BF082107.D
Acq: 7 Oct 2015 16:30

Tgt Ion:244 Resp: 1019179
Ion Ratio Lower Upper
244 100
212 7.7 4.3 6.5#
122 9.9 17.4 26.2#

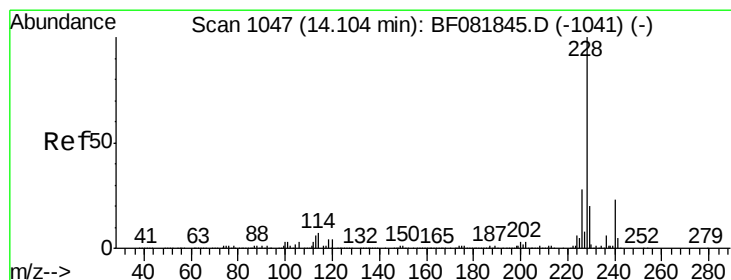
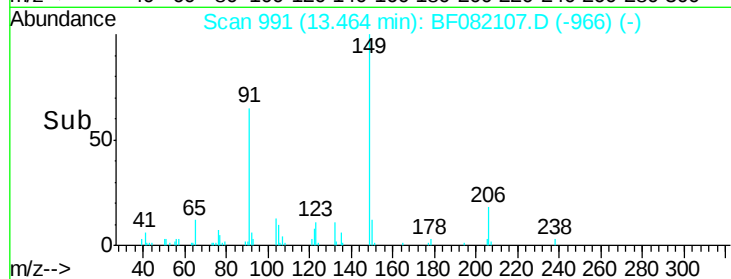
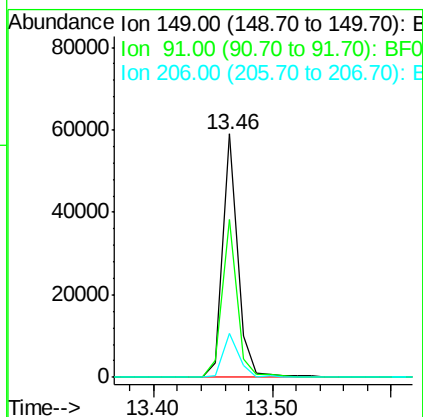
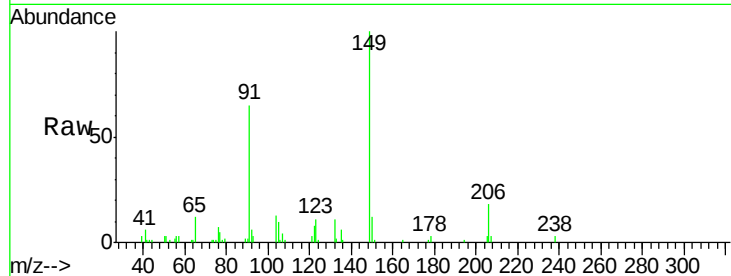




#79
Butylbenzylphthalate
Concen: 6.92 ng
RT: 13.46 min Scan# 991
Delta R.T. -0.01 min
Lab File: BF082107.D
Acq: 7 Oct 2015 16:30

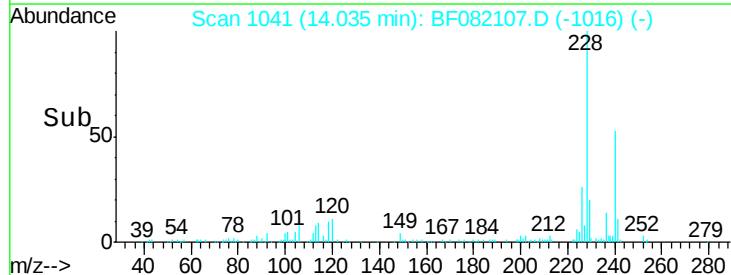
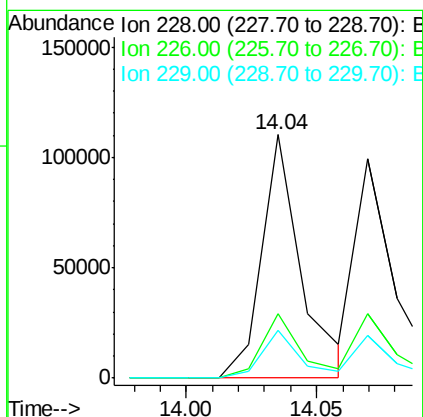
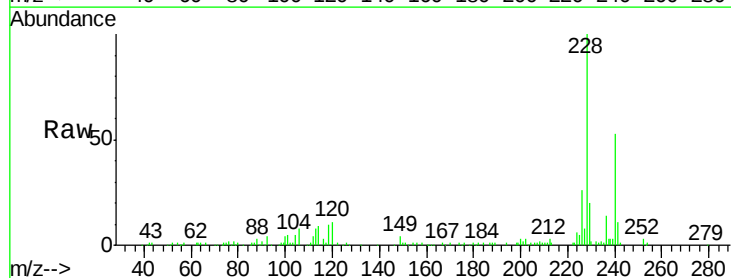
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2015-01

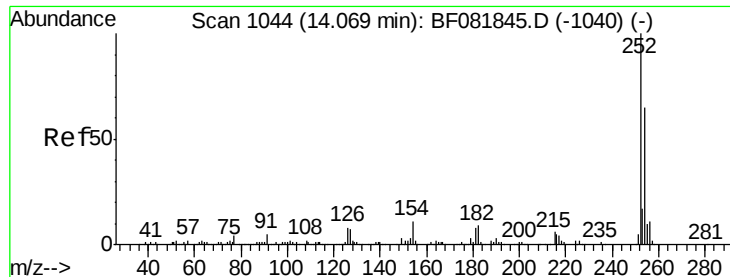
Tot Ion:149 Resp: 51874
Ion Ratio Lower Upper
149 100
91 64.8 48.6 72.8
206 18.3 14.9 22.3



#80
Benzo(a)anthracene
Concen: 6.48 ng
RT: 14.04 min Scan# 1041
Delta R.T. -0.01 min
Lab File: BF082107.D
Acq: 7 Oct 2015 16:30

Tgt Ion:228 Resp: 116401
Ion Ratio Lower Upper
228 100
226 26.4 20.0 30.0
229 19.6 15.4 23.2

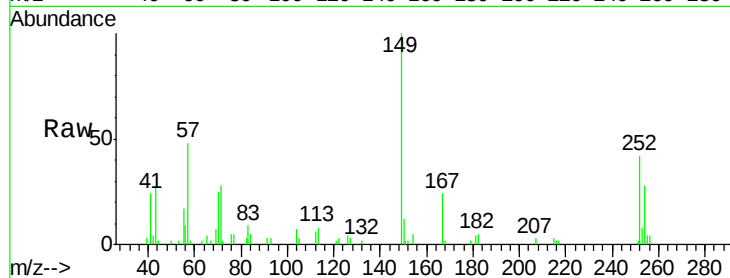




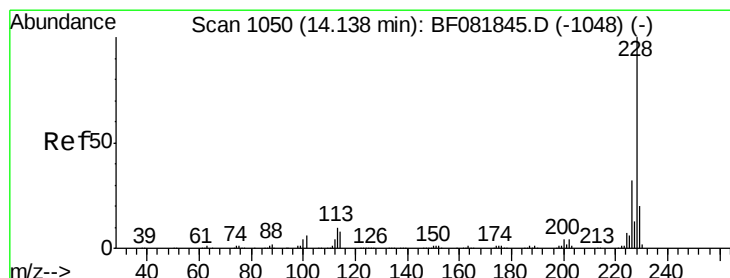
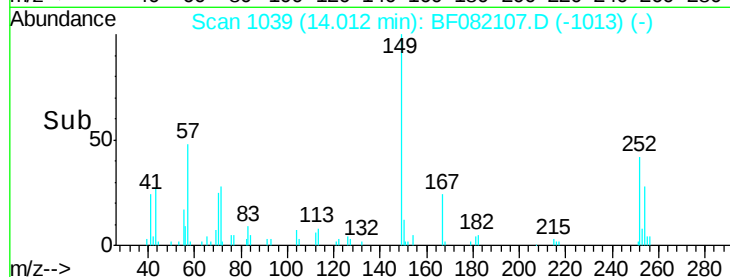
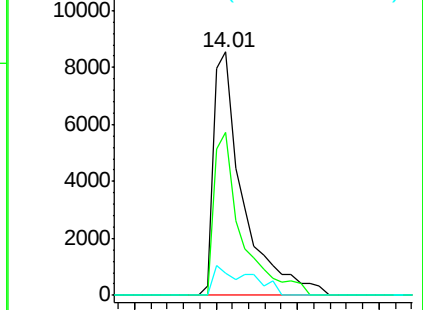
#81
 3,3'-Dichlorobenzidine
 Concen: 3.53 ng
 RT: 14.01 min Scan# 1039
 Delta R.T. -0.00 min
 Lab File: BF082107.D
 Acq: 7 Oct 2015 16:30

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2015-01

Tot Ion:252 Resp: 21397
 Ion Ratio Lower Upper
 252 100
 254 67.0 51.4 77.2
 126 9.3 16.4 24.6#

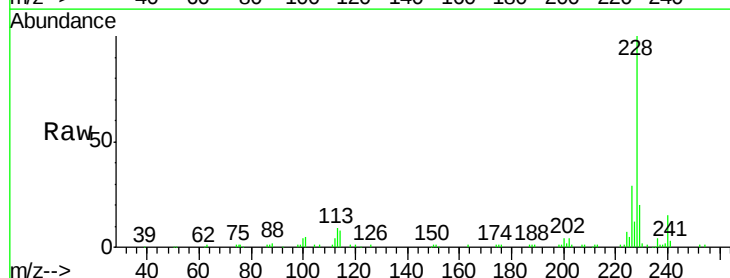


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

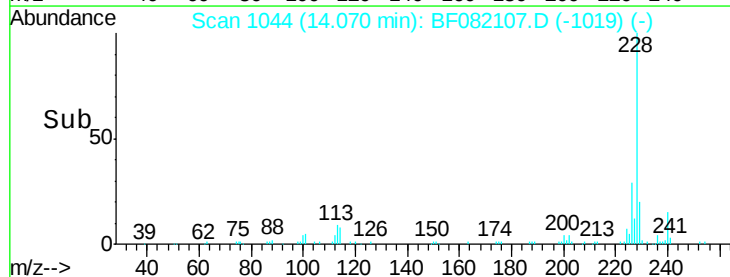
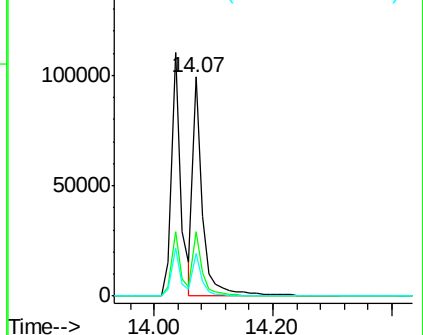


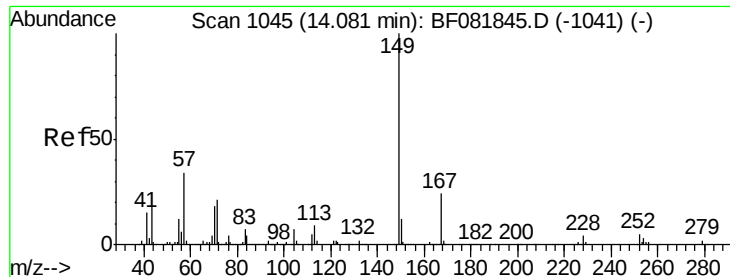
#82
 Chrysene
 Concen: 5.87 ng
 RT: 14.07 min Scan# 1044
 Delta R.T. -0.01 min
 Lab File: BF082107.D
 Acq: 7 Oct 2015 16:30

Tgt Ion:228 Resp: 116129
 Ion Ratio Lower Upper
 228 100
 226 29.2 21.0 31.4
 229 19.6 15.6 23.4



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

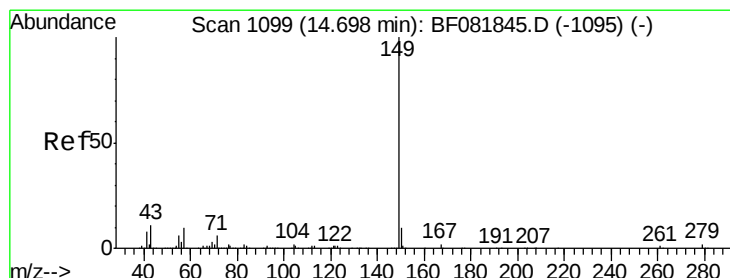
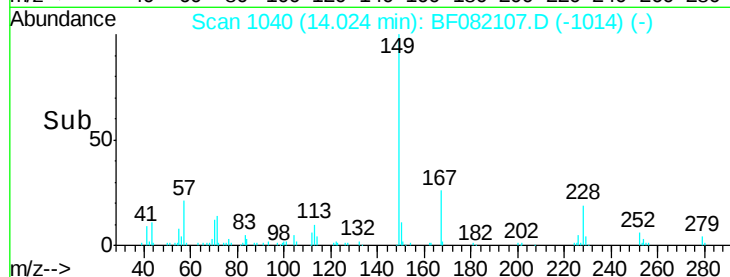
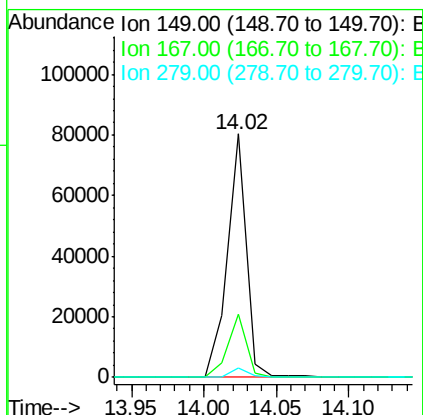
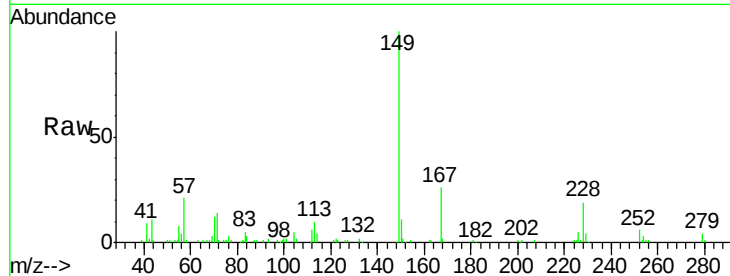




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 7.74 ng
 RT: 14.02 min Scan# 1040
 Delta R.T. -0.00 min
 Lab File: BF082107.D
 Acq: 7 Oct 2015 16:30

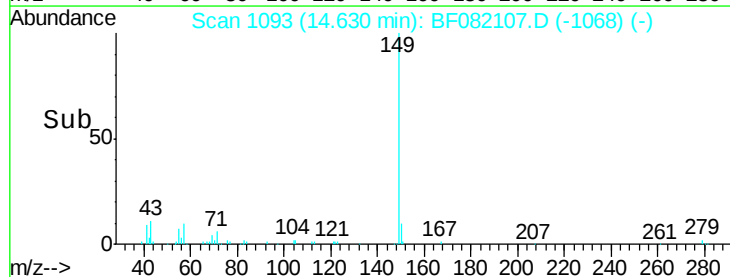
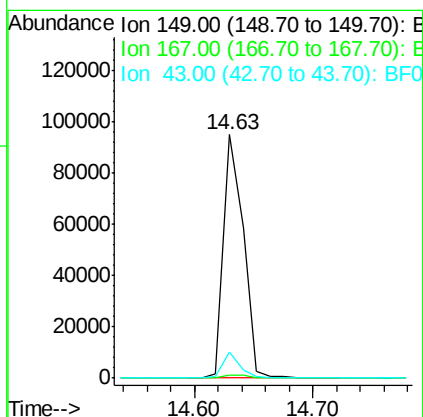
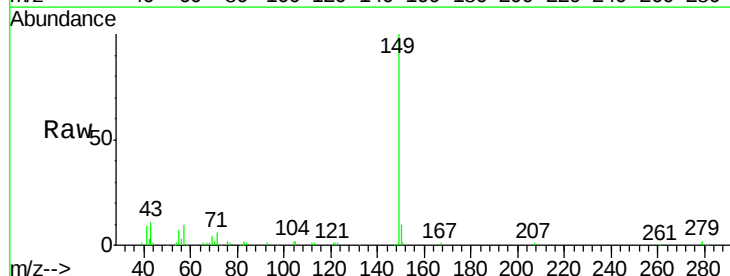
Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2015-01

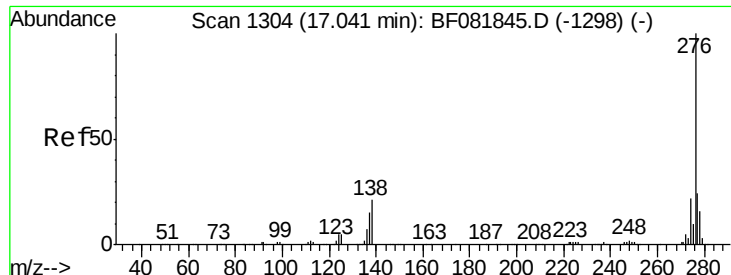
Tot Ion:149 Resp: 72824
 Ion Ratio Lower Upper
 149 100
 167 25.7 24.2 36.2
 279 3.7 3.8 5.6#



#84
 Di-n-octyl phthalate
 Concen: 7.17 ng
 RT: 14.63 min Scan# 1093
 Delta R.T. -0.01 min
 Lab File: BF082107.D
 Acq: 7 Oct 2015 16:30

Tgt Ion:149 Resp: 109746
 Ion Ratio Lower Upper
 149 100
 167 1.5 1.0 1.6
 43 10.2 10.2 15.2

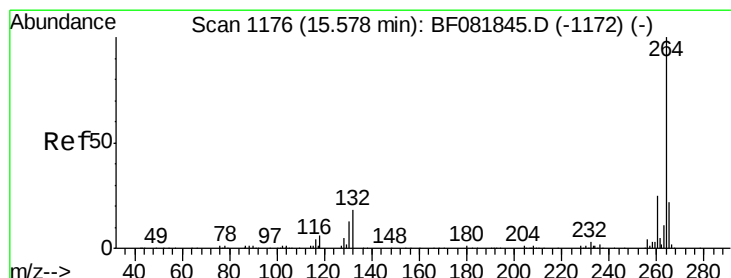
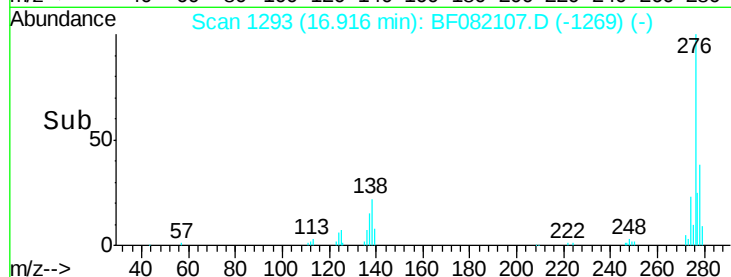
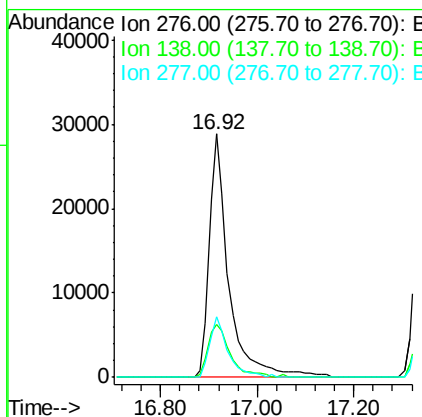
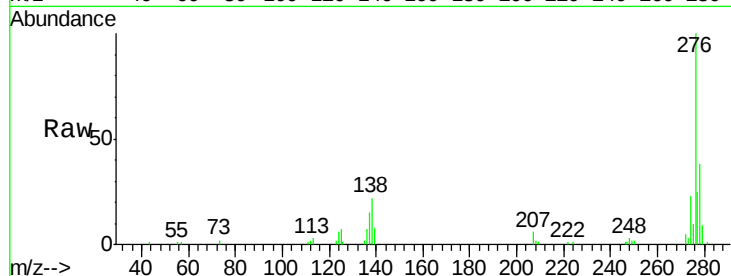




#85
Indeno(1,2,3-cd)pyrene
Concen: 5.84 ng
RT: 16.92 min Scan# 1293
Delta R.T. -0.02 min
Lab File: BF082107.D
Acq: 7 Oct 2015 16:30

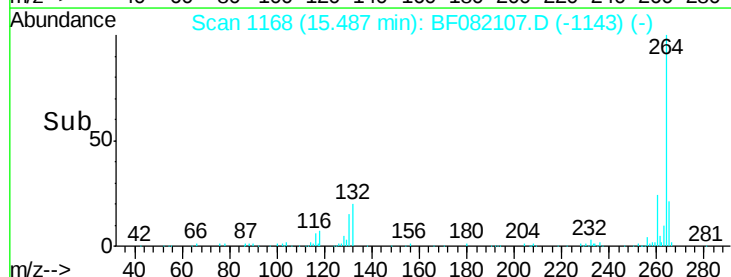
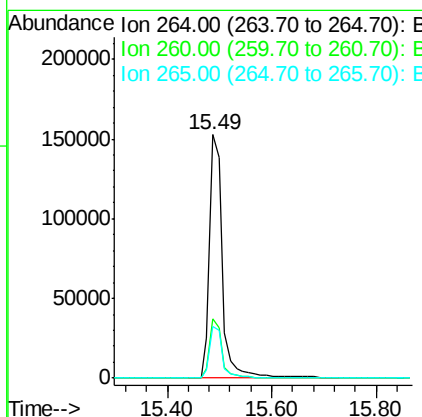
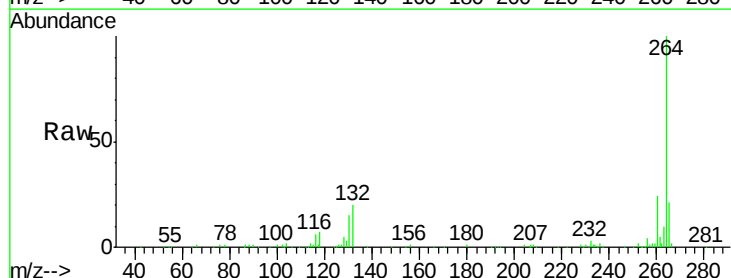
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2015-01

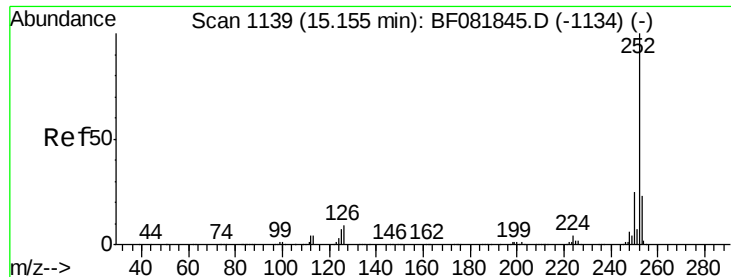
Tot Ion:276 Resp: 82103
Ion Ratio Lower Upper
276 100
138 24.4 25.7 38.5#
277 23.5 15.6 23.4#



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.49 min Scan# 1168
Delta R.T. -0.01 min
Lab File: BF082107.D
Acq: 7 Oct 2015 16:30

Tgt Ion:264 Resp: 264516
Ion Ratio Lower Upper
264 100
260 24.1 16.7 25.1
265 21.0 17.2 25.8





#87

Benzo(b)fluoranthene

Concen: 6.31 ng

RT: 15.08 min Scan# 1132

Delta R.T. -0.01 min

Lab File: BF082107.D

Acq: 7 Oct 2015 16:30

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2015-01

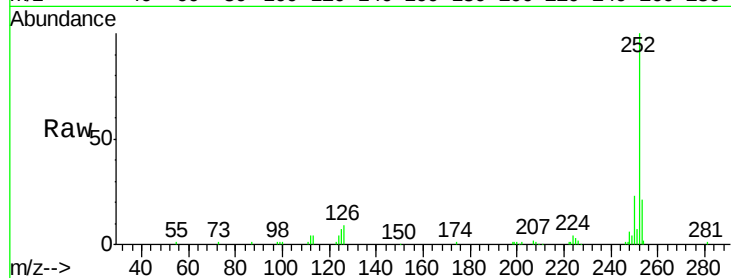
Tot Ion:252 Resp: 95307

Ion Ratio Lower Upper

252 100

253 21.5 17.5 26.3

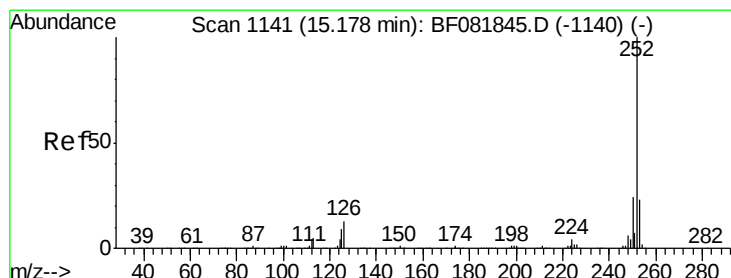
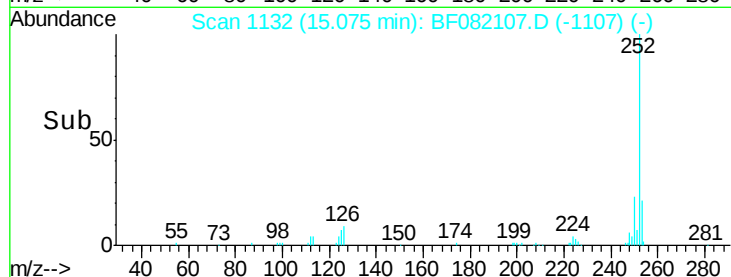
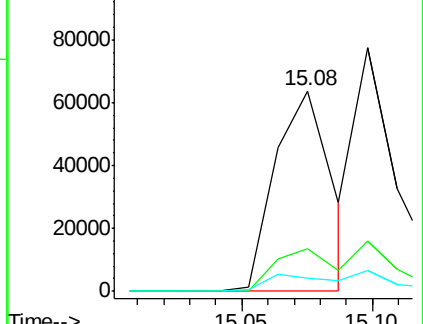
125 6.6 17.1 25.7#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 6.89 ng

RT: 15.08 min Scan# 1132

Delta R.T. -0.03 min

Lab File: BF082107.D

Acq: 7 Oct 2015 16:30

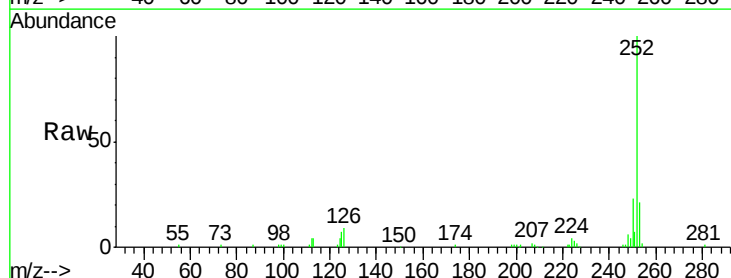
Tgt Ion:252 Resp: 95307

Ion Ratio Lower Upper

252 100

253 21.5 17.0 25.4

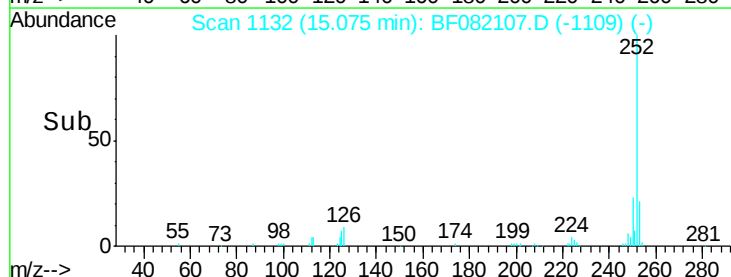
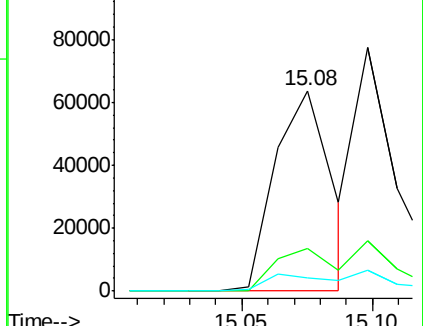
125 6.6 16.0 24.0#

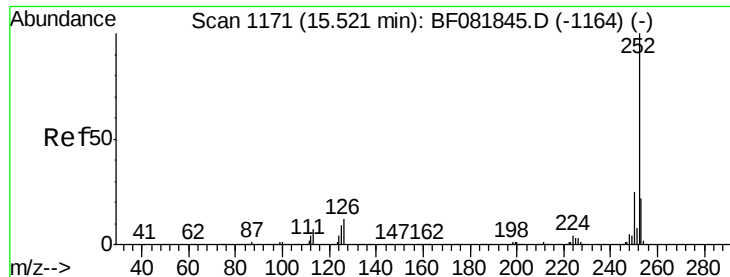


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

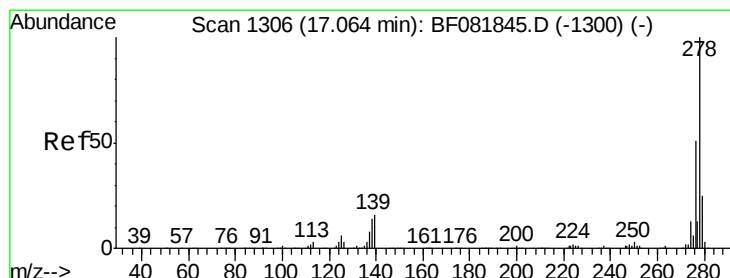
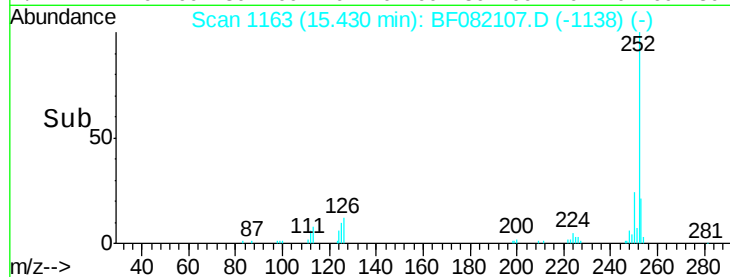
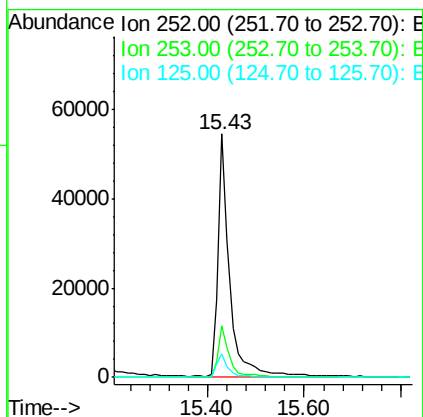
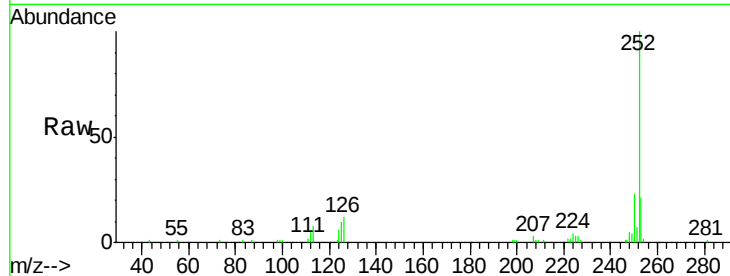




#89
Benzo(a)pyrene
Concen: 7.27 ng
RT: 15.43 min Scan# 1163
Delta R.T. -0.01 min
Lab File: BF082107.D
Acq: 7 Oct 2015 16:30

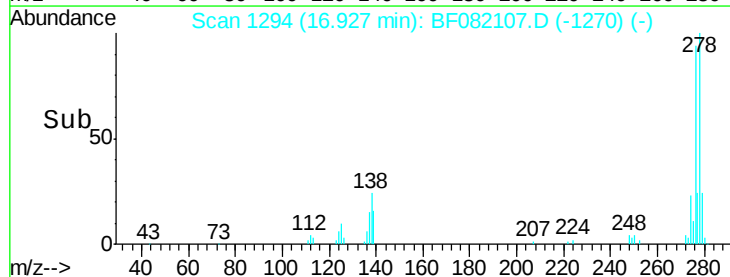
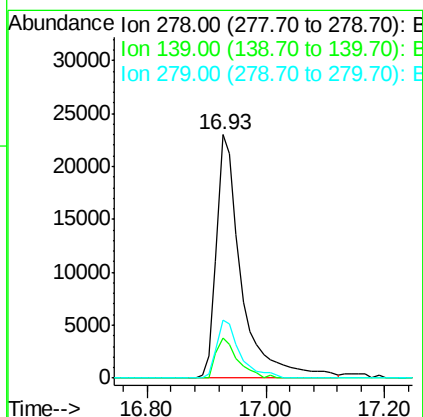
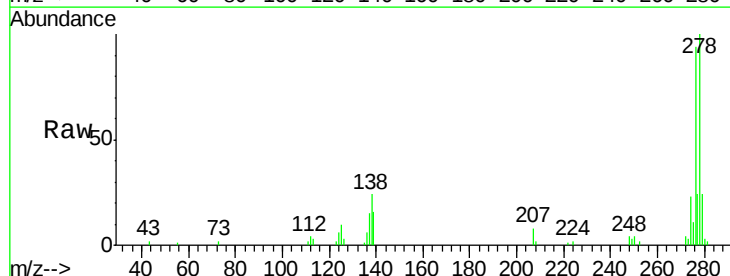
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2015-01

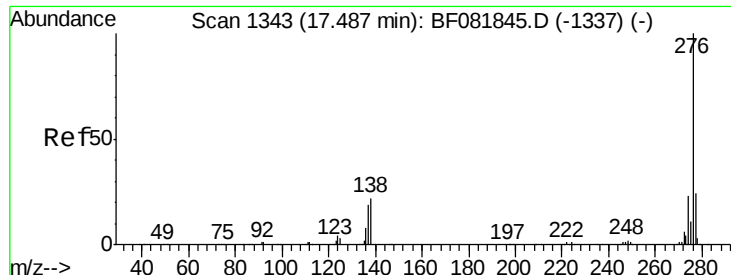
Tot Ion:252 Resp: 95252
Ion Ratio Lower Upper
252 100
253 21.1 17.2 25.8
125 9.6 18.0 27.0#



#90
Dibenzo(a,h)anthracene
Concen: 6.12 ng
RT: 16.93 min Scan# 1294
Delta R.T. -0.02 min
Lab File: BF082107.D
Acq: 7 Oct 2015 16:30

Tgt Ion:278 Resp: 67222
Ion Ratio Lower Upper
278 100
139 16.4 26.3 39.5#
279 24.1 18.2 27.4

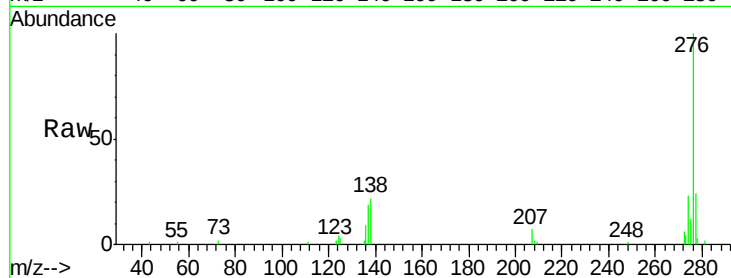




#91
 Benzo(a,h,i)perylene
 Concen: 6.19 ng
 RT: 17.34 min Scan# 1330
 Delta R.T. -0.03 min
 Lab File: BF082107.D
 Acq: 7 Oct 2015 16:30

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2015-01

Tot Ion:276 Resp: 69670
 Ion Ratio Lower Upper
 276 100
 277 24.2 17.8 26.6
 138 21.8 34.6 51.8#



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

