

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100115\
 Data File : BF081939.D
 Acq On : 1 Oct 2015 15:08
 Operator : UM/IZ
 Sample : G3707-03
 Misc : LOD 2 PPM
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2015-01

Quant Time: Oct 02 01:39:34 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 28 18:10:42 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	110787	20.00	ng	-0.05
21) Naphthalene-d8	8.18	136	467177	20.00	ng	-0.03
38) Acenaphthene-d10	9.93	164	221744	20.00	ng	-0.05
63) Phenanthrene-d10	11.42	188	463700	20.00	ng	-0.05
75) Chrysene-d12	14.06	240	452512	20.00	ng	-0.06
86) Perylene-d12	15.51	264	352583	20.00	ng	-0.07

System Monitoring Compounds

5) 2-Fluorophenol	5.50	112	674458	110.51	ng	-0.02
7) Phenol-d6	6.53	99	946977	123.31	ng	-0.03
23) Nitrobenzene-d5	7.46	82	580959	82.89	ng	-0.03
41) 2,4,6-Tribromophenol	10.73	330	279204	124.33	ng	-0.03
44) 2-Fluorobiphenyl	9.26	172	1138964	86.18	ng	-0.05
78) Terphenyl-d14	13.01	244	1196327	85.54	ng	-0.05

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.59	88	3982	1.50	ng	90
3) Pyridine	3.47	79	4337	0.63	ng	# 60
4) n-Nitrosodimethylamine	3.44	42	228	0.07	ng	# 1
6) Aniline	6.56	93	10067	0.98	ng	# 70
8) 2-Chlorophenol	6.67	128	11660	1.73	ng	# 62
9) Benzaldehyde	6.45	77	4664	0.93	ng	# 66
10) Phenol	6.54	94	14407	1.67	ng	# 57
11) bis(2-Chloroethyl)ether	6.64	93	12451	1.86	ng	# 89
12) 1,3-Dichlorobenzene	6.83	146	13197	1.66	ng	# 93
13) 1,4-Dichlorobenzene	6.91	146	14330	1.72	ng	# 93
14) 1,2-Dichlorobenzene	6.91	146	14330	1.93	ng	# 95
15) Benzyl Alcohol	7.05	79	13274	2.39	ng	# 30
16) 2,2'-oxybis(1-Chloropropan	7.18	45	16719	1.77	ng	# 63
17) 2-Methylphenol	7.15	107	9963	1.82	ng	# 81
18) Hexachloroethane	7.41	117	4799	1.84	ng	# 83
19) n-Nitroso-di-n-propylamine	7.30	70	7316	1.57	ng	# 79
20) 3+4-Methylphenols	7.31	107	8274	1.20	ng	# 20
22) Acetophenone	7.31	105	14758	1.55	ng	# 78
24) Nitrobenzene	7.47	77	14808	1.95	ng	# 61
25) Isophorone	7.71	82	31870	2.29	ng	# 90
26) 2-Nitrophenol	7.81	139	3805	1.04	ng	# 66
27) 2,4-Dimethylphenol	7.84	122	7856	1.22	ng	# 93
28) bis(2-Chloroethoxy)methane	7.93	93	9884	1.20	ng	# 93
29) 2,4-Dichlorophenol	8.05	162	7747	1.24	ng	# 96
30) 1,2,4-Trichlorobenzene	8.13	180	10075	1.45	ng	# 98
31) Naphthalene	8.21	128	35294	1.70	ng	# 99
32) Benzoic acid	7.84	122	7856	9.08	ng	# 24
33) 4-Chloroaniline	8.29	127	10929	1.22	ng	# 38
34) Hexachlorobutadiene	8.32	225	7012	1.70	ng	# 98
35) Caprolactam	8.57	113	1890	1.10	ng	# 64
36) 4-Chloro-3-methylphenol	8.73	107	7864	1.29	ng	# 82
37) 2-Methylnaphthalene	8.89	142	22692	1.61	ng	# 95
39) 1,2,4,5-Tetrachlorobenzene	9.05	216	10417	1.53	ng	# 94
40) Hexachlorocyclopentadiene	9.04	237	3261	0.93	ng	# 91

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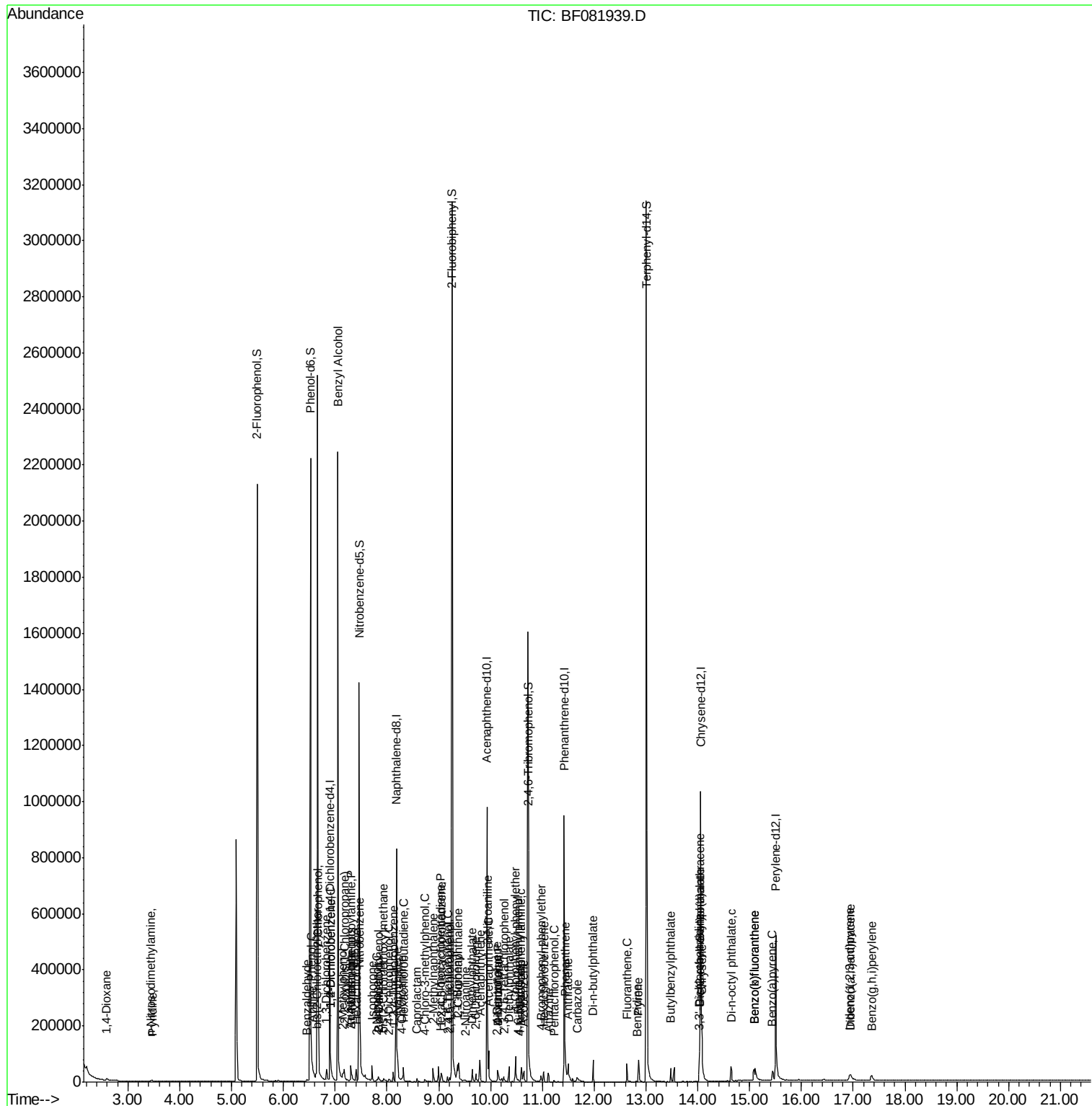
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.18	196	4985	1.07	ng	98
43) 2,4,5-Trichlorophenol	9.21	196	7638	1.59	ng	98
45) 1,1'-Biphenyl	9.36	154	29149	1.70	ng	98
46) 2-Chloronaphthalene	9.38	162	23854	1.78	ng	98
47) 2-Nitroaniline	9.51	65	4606	1.17	ng	# 76
48) Acenaphthylene	9.79	152	38218	1.78	ng	99
49) Dimethylphthalate	9.65	163	24550	1.60	ng	# 96
50) 2,6-Dinitrotoluene	9.71	165	3891	1.17	ng	# 40
51) Acenaphthene	9.97	154	22675	1.78	ng	87
52) 3-Nitroaniline	9.94	138	4119	1.07	ng	# 27
54) Dibenzofuran	10.14	168	33611	1.86	ng	# 87
55) 4-Nitrophenol	10.14	139	13851	4.99	ng	# 32
56) 2,4-Dinitrotoluene	10.13	165	5016	1.18	ng	# 78
57) Fluorene	10.48	166	26868	Below Cal		95
58) 2,3,4,6-Tetrachlorophenol	10.26	232	6070	1.59	ng	# 82
59) Diethylphthalate	10.35	149	26015	1.82	ng	95
60) 4-Chlorophenyl-phenylether	10.48	204	11858	1.80	ng	96
61) 4-Nitroaniline	10.56	138	3718	0.96	ng	# 51
62) Azobenzene	10.64	77	24372	1.75	ng	95
64) 4,6-Dinitro-2-methylphenol	10.53	198	296	1.33	ng	# 3
65) n-Nitrosodiphenylamine	10.59	169	22283	1.59	ng	96
66) 4-Bromophenyl-phenylether	10.97	248	6967	1.49	ng	96
67) Hexachlorobenzene	11.03	284	8025	1.52	ng	# 75
68) Atrazine	11.12	200	5797	1.33	ng	83
69) Pentachlorophenol	11.22	266	1593	0.53	ng	97
70) Phenanthrene	11.44	178	39334	0.10	ng	97
71) Anthracene	11.50	178	46069	1.95	ng	97
72) Carbazole	11.67	167	34564	1.62	ng	97
73) Di-n-butylphthalate	11.98	149	41511	0.58	ng	# 99
74) Fluoranthene	12.63	202	41169	1.66	ng	91
76) Benzidine	12.82	184	5675	0.42	ng	# 68
77) Pyrene	12.86	202	44468	1.64	ng	96
79) Butylbenzylphthalate	13.48	149	14607	1.44	ng	# 85
80) Benzo(a)anthracene	14.05	228	40074	1.64	ng	97
81) 3,3'-Dichlorobenzidine	14.02	252	9726	1.18	ng	# 95
82) Chrysene	14.08	228	42535	2.21	ng	95
83) Bis(2-ethylhexyl)phthalate	14.04	149	24927	1.95	ng	# 92
84) Di-n-octyl phthalate	14.64	149	35013	1.69	ng	# 98
85) Indeno(1,2,3-cd)pyrene	16.93	276	25654	1.35	ng	# 88
87) Benzo(b)fluoranthene	15.09	252	29528	1.47	ng	# 85
88) Benzo(k)fluoranthene	15.09	252	29528	1.60	ng	# 85
89) Benzo(a)pyrene	15.44	252	32184	1.84	ng	# 87
90) Dibenzo(a,h)anthracene	16.95	278	21145	1.44	ng	# 79
91) Benzo(g,h,i)perylene	17.36	276	21535	1.43	ng	# 73

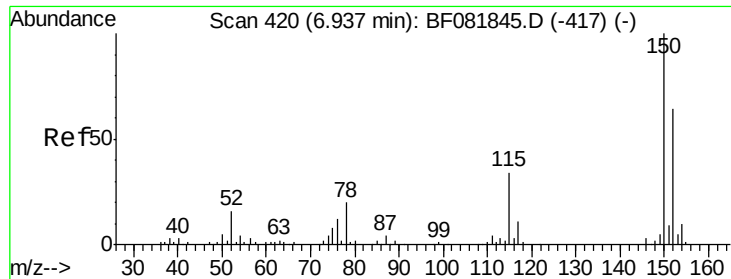
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.89 min Scan# 416

Delta R.T. -0.05 min

Lab File: BF081939.D

Acq: 1 Oct 2015 15:08

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2015-01

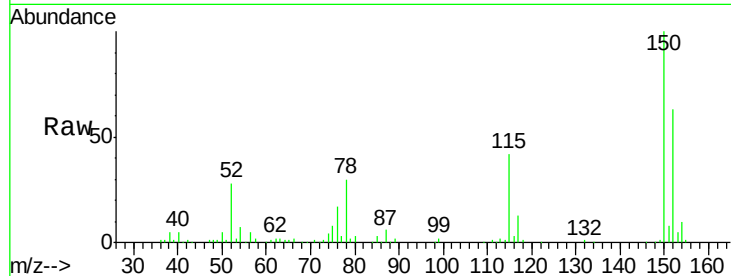
Tgt Ion:152 Resp: 110787

Ion Ratio Lower Upper

152 100

150 159.4 124.7 187.1

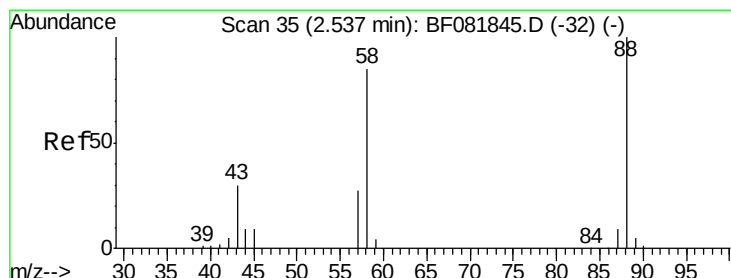
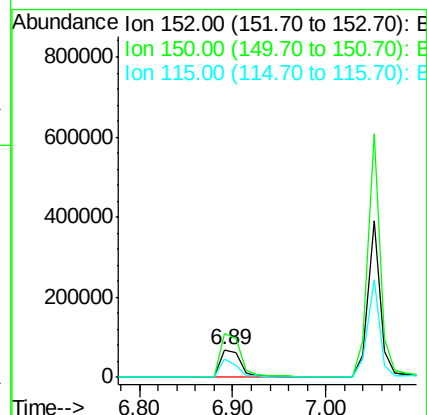
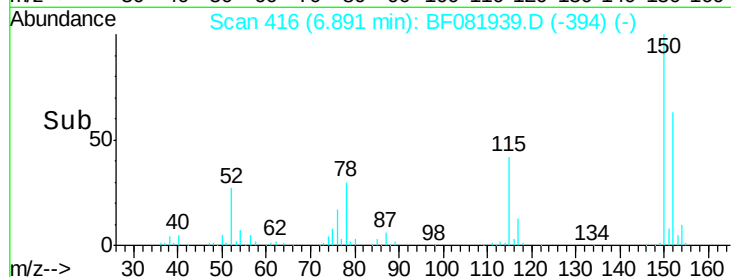
115 67.1 39.0 58.4#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 1.50 ng

RT: 2.59 min Scan# 40

Delta R.T. 0.06 min

Lab File: BF081939.D

Acq: 1 Oct 2015 15:08

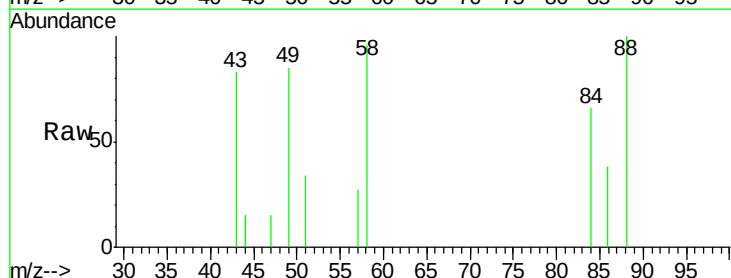
Tgt Ion: 88 Resp: 3982

Ion Ratio Lower Upper

88 100

58 86.7 77.7 116.5

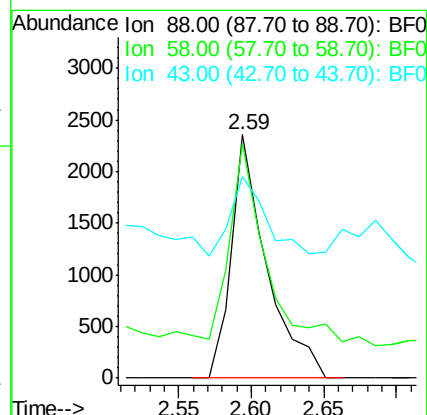
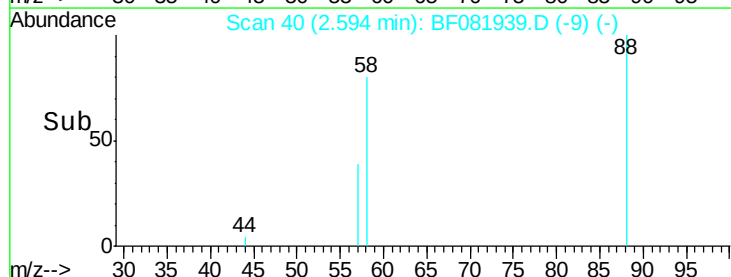
43 37.3 26.6 40.0

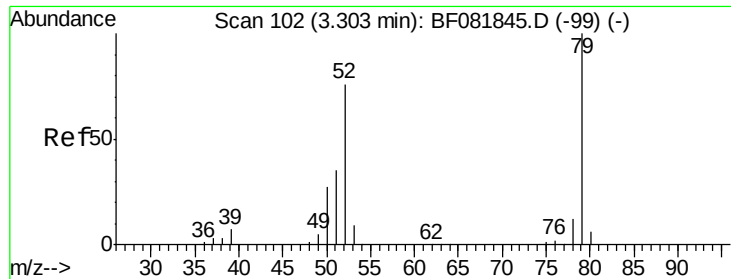


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#3

Pyridine

Concen: 0.63 ng

RT: 3.47 min Scan# 117

Delta R.T. 0.17 min

Lab File: BF081939.D

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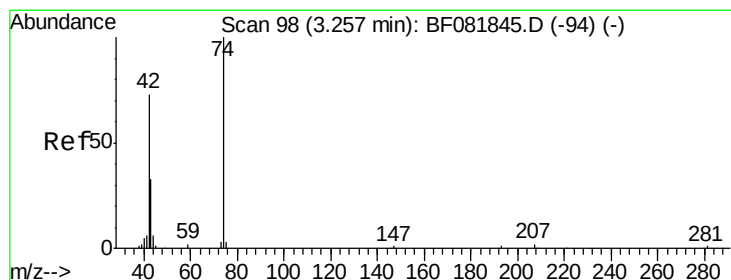
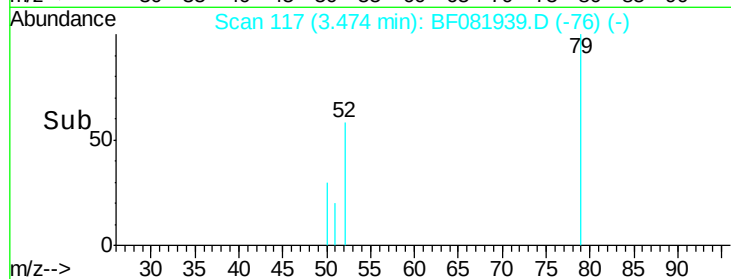
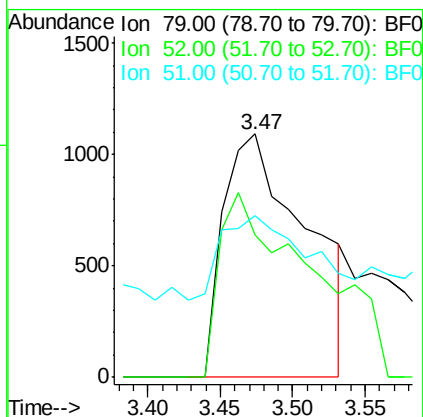
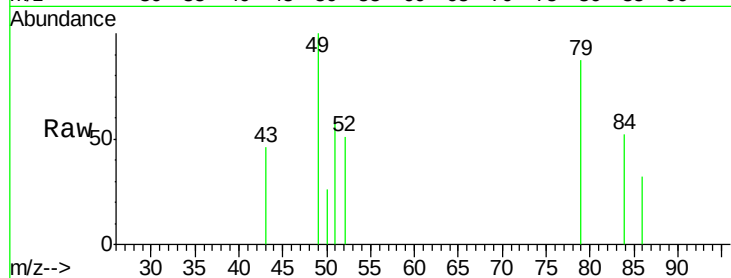
Tgt Ion: 79 Resp: 4337

Ion Ratio Lower Upper

79 100

52 58.3 76.8 115.2#

51 66.4 32.2 48.4#



#4

n-Nitrosodimethylamine

Concen: 0.07 ng

RT: 3.44 min Scan# 114

Delta R.T. 0.18 min

Lab File: BF081939.D

Acq: 1 Oct 2015 15:08

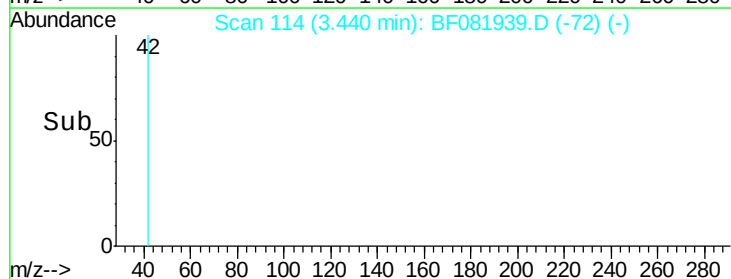
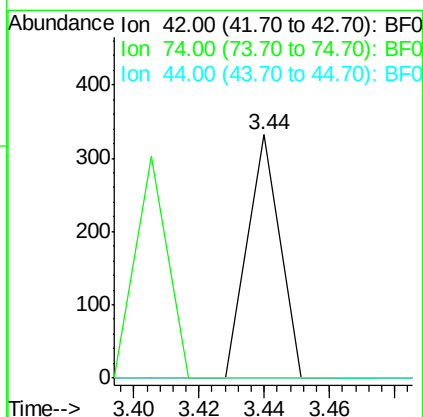
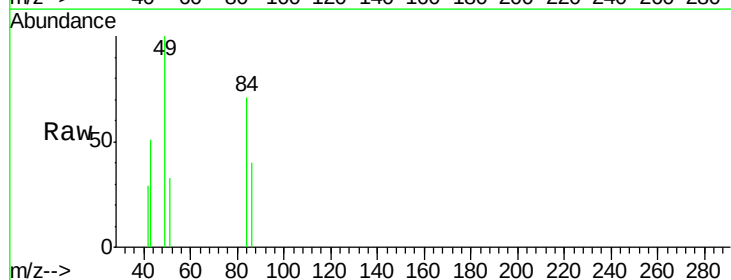
Tgt Ion: 42 Resp: 228

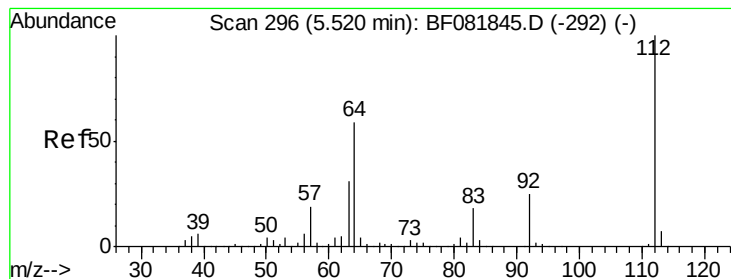
Ion Ratio Lower Upper

42 100

74 0.0 105.0 157.6#

44 0.0 6.6 10.0#

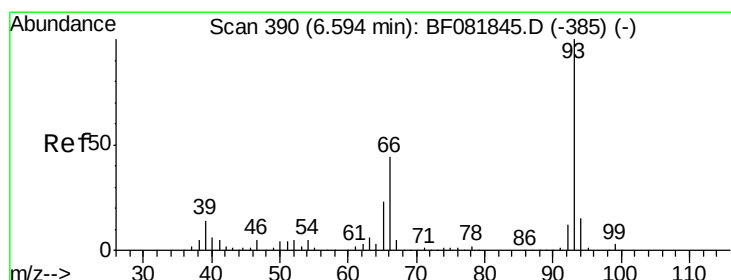
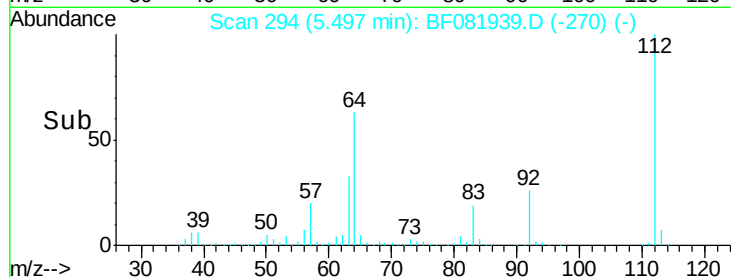
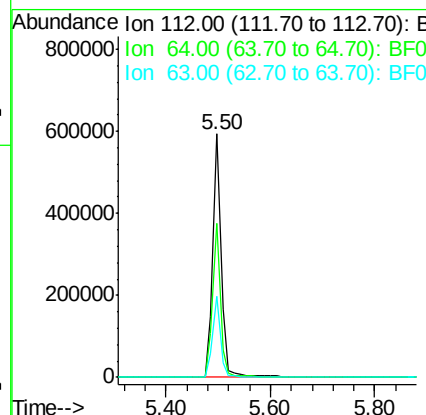
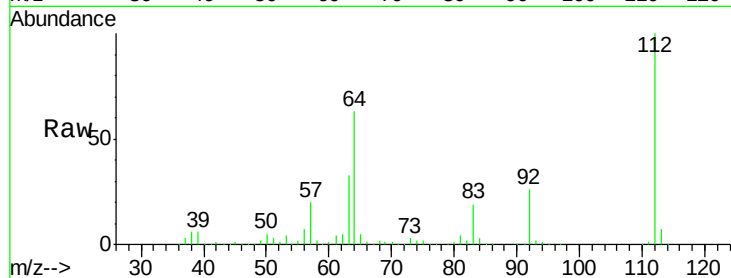




#5
 2-Fluorophenol
 Concen: 110.51 ng
 RT: 5.50 min Scan# 294
 Delta R.T. -0.02 min
 Lab File: BF081939.D
 Acq: 1 Oct 2015 15:08

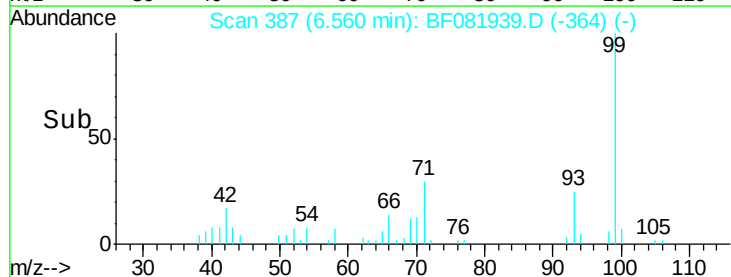
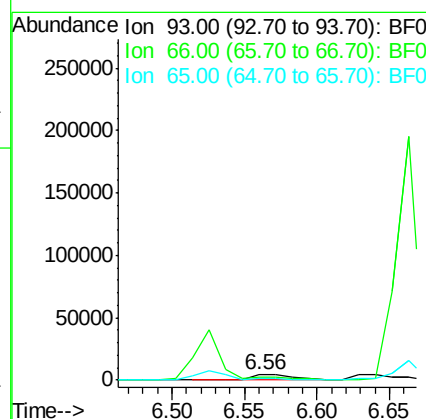
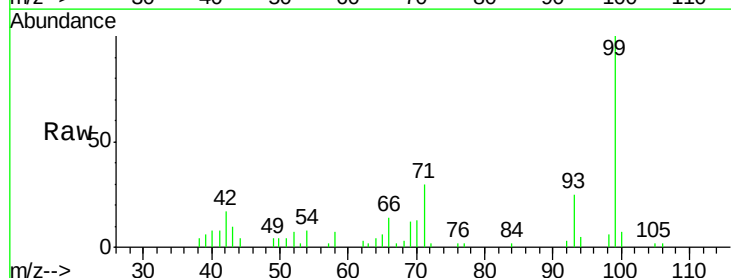
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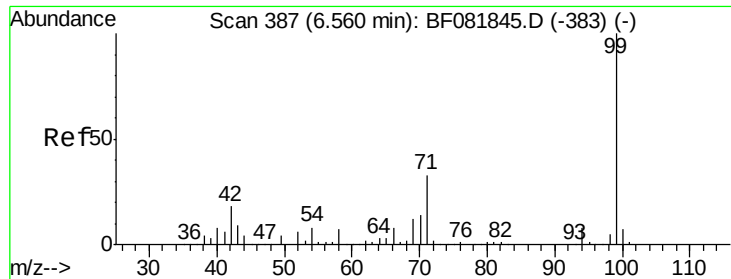
Tgt Ion: 112 Resp: 674458
 Ion Ratio Lower Upper
 112 100
 64 63.2 39.7 59.5#
 63 33.4 17.4 26.0#



#6
 Aniline
 Concen: 0.98 ng
 RT: 6.56 min Scan# 387
 Delta R.T. -0.03 min
 Lab File: BF081939.D
 Acq: 1 Oct 2015 15:08

Tgt Ion: 93 Resp: 10067
 Ion Ratio Lower Upper
 93 100
 66 55.6 27.2 40.8#
 65 25.8 14.7 22.1#





#7

Phenol-d6

Concen: 123.31 ng

RT: 6.53 min Scan# 384

Delta R.T. -0.03 min

Lab File: BF081939.D

Acq: 1 Oct 2015 15:08

Instrument :

BNA_F

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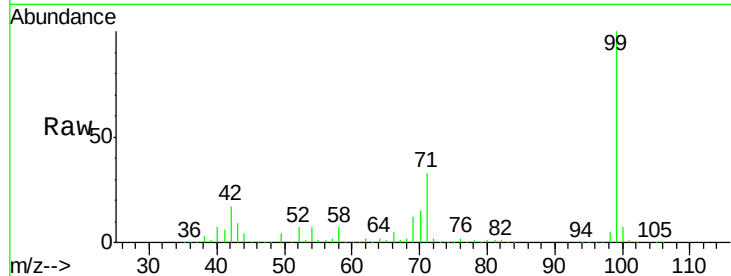
Tgt Ion: 99 Resp: 946977

Ion Ratio Lower Upper

99 100

42 17.1 13.7 20.5

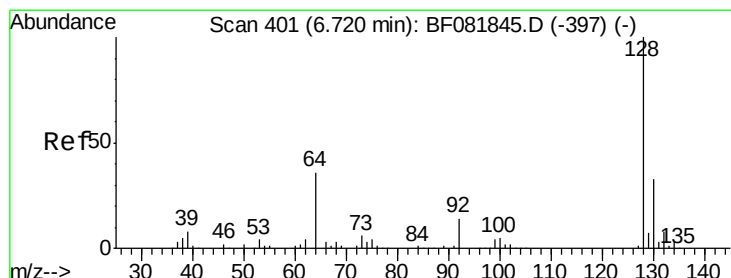
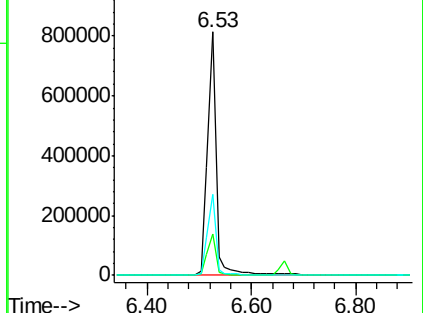
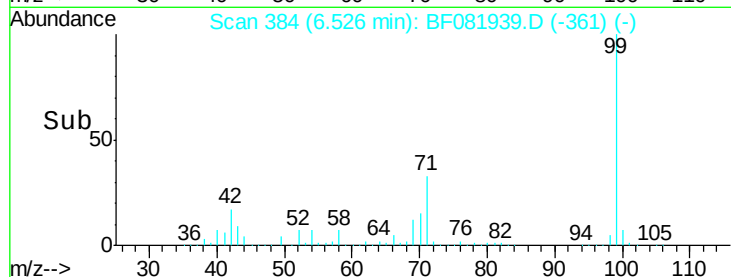
71 33.3 14.2 21.2#



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: 1.73 ng

RT: 6.67 min Scan# 397

Delta R.T. -0.05 min

Lab File: BF081939.D

Acq: 1 Oct 2015 15:08

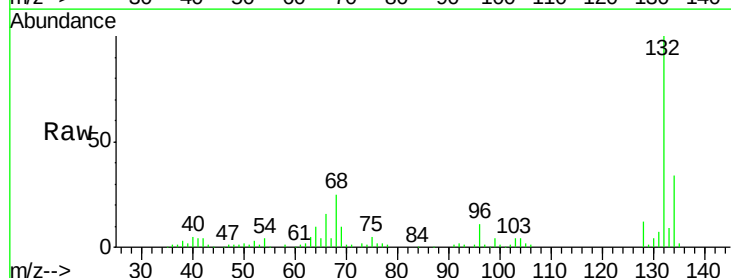
Tgt Ion: 128 Resp: 11660

Ion Ratio Lower Upper

128 100

130 30.9 12.2 52.2

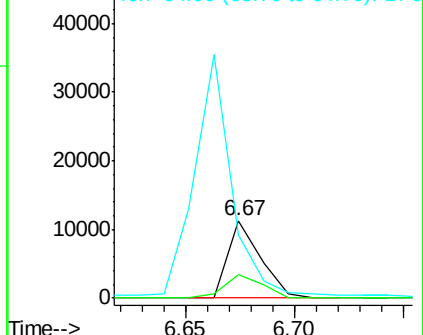
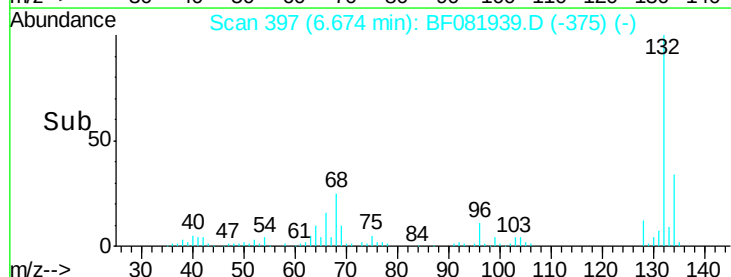
64 81.3 20.5 60.5#

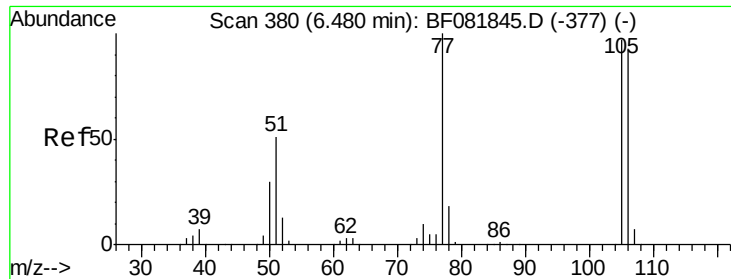


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0

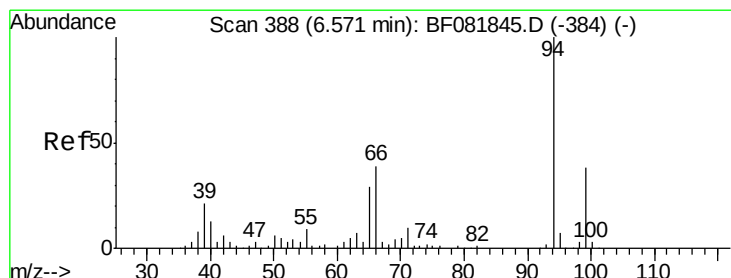
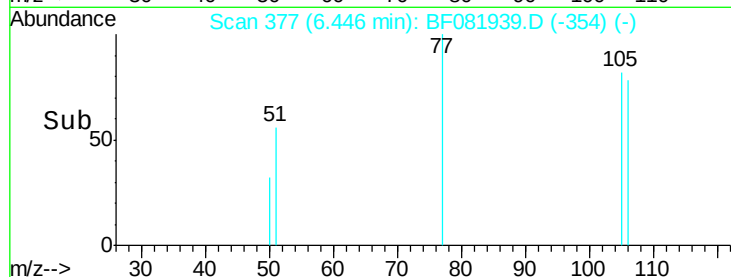
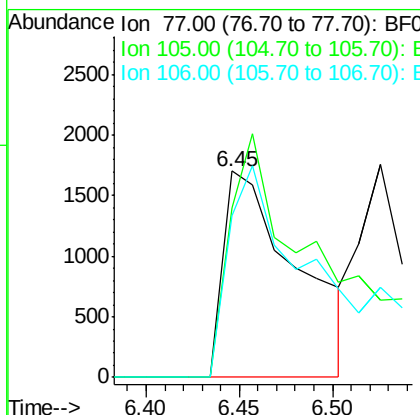
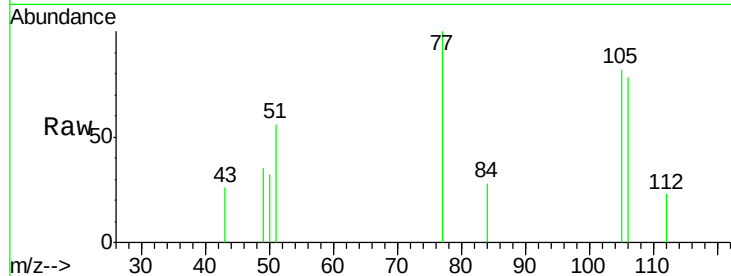




#9
Benzaldehyde
Concen: 0.93 ng
RT: 6.45 min Scan# 377
Delta R.T. -0.03 min
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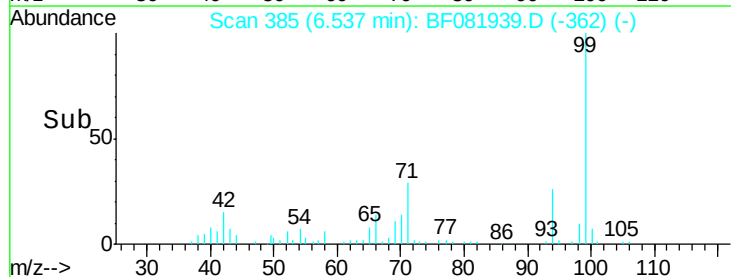
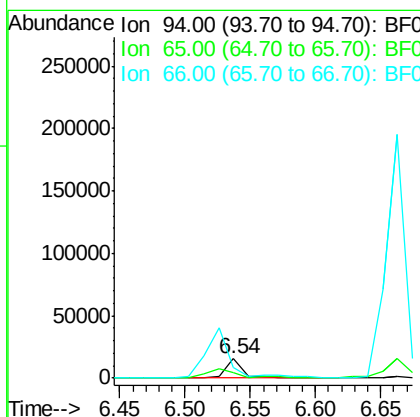
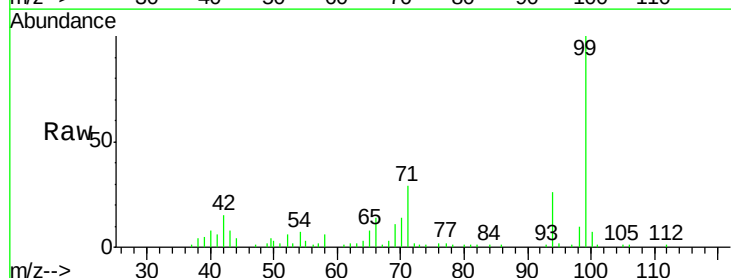
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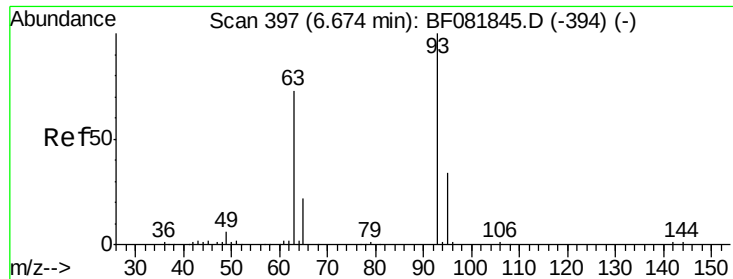
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Ion Ratio Lower Upper
77 100
105 82.1 91.6 131.6#
106 78.3 102.6 142.6#



#10
Phenol
Concen: 1.67 ng
RT: 6.54 min Scan# 385
Delta R.T. -0.03 min
Lab File: BF081939.D
Acq: 1 Oct 2015 15:08

Tgt Ion: 94 Resp: 14407
Ion Ratio Lower Upper
94 100
65 29.2 0.7 40.7
66 52.4 0.8 40.8#





#11

bis(2-Chloroethyl)ether

Concen: 1.86 ng

RT: 6.64 min Scan# 394

Delta R.T. -0.03 min

Lab File: BF081939.D

Acq: 1 Oct 2015 15:08

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2015-01

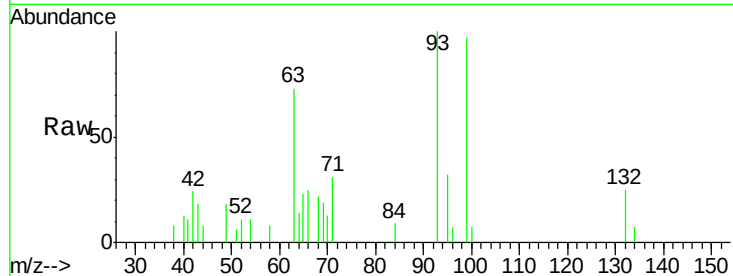
Tgt Ion: 93 Resp: 12451

Ion Ratio Lower Upper

93 100

63 72.7 65.6 105.6

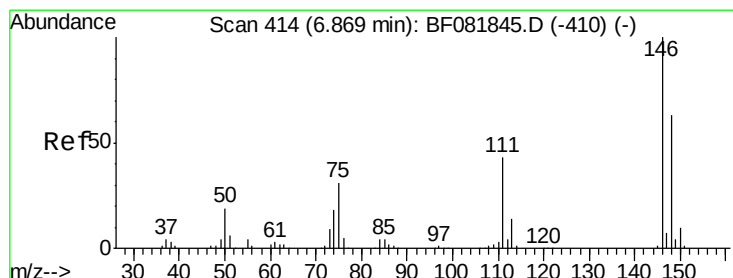
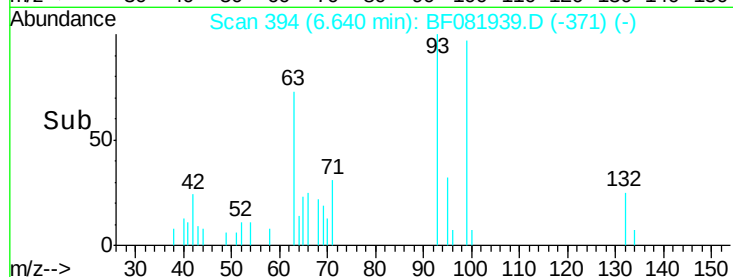
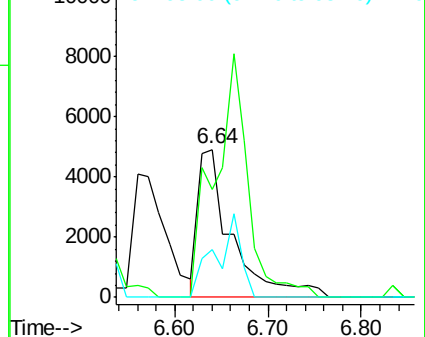
95 32.2 13.6 53.6



Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 63.00 (62.70 to 63.70): BF0

Ion 95.00 (94.70 to 95.70): BF0



#12

1,3-Dichlorobenzene

Concen: 1.66 ng

RT: 6.83 min Scan# 411

Delta R.T. -0.03 min

Lab File: BF081939.D

Acq: 1 Oct 2015 15:08

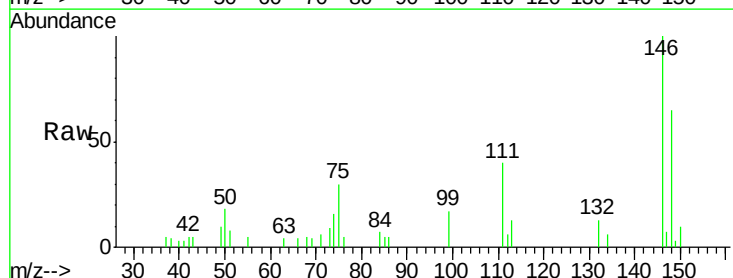
Tgt Ion: 146 Resp: 13197

Ion Ratio Lower Upper

146 100

148 64.9 51.0 76.4

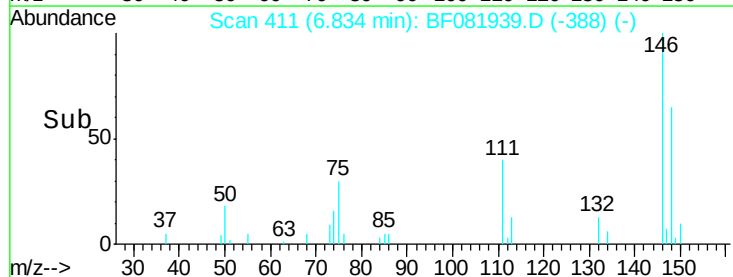
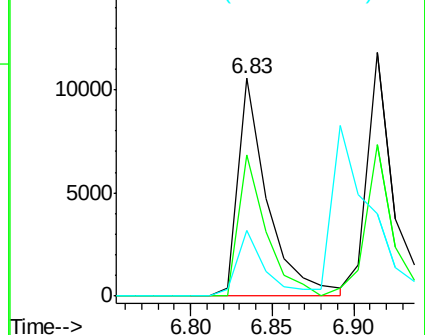
75 30.0 15.0 22.6#

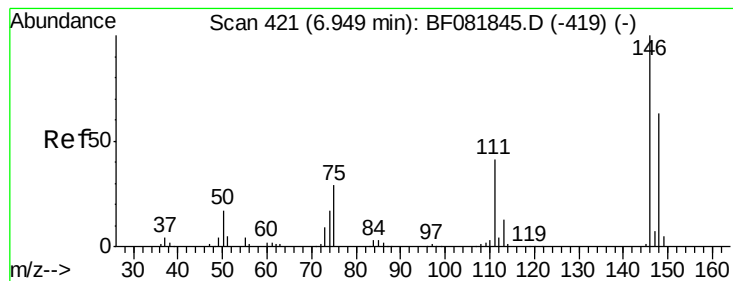


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 75.00 (74.70 to 75.70): BF0





#13

1,4-Dichlorobenzene

Concen: 1.72 ng

RT: 6.91 min Scan# 418

Delta R.T. -0.03 min

Lab File: BF081939.D

Acq: 1 Oct 2015 15:08

Instrument :

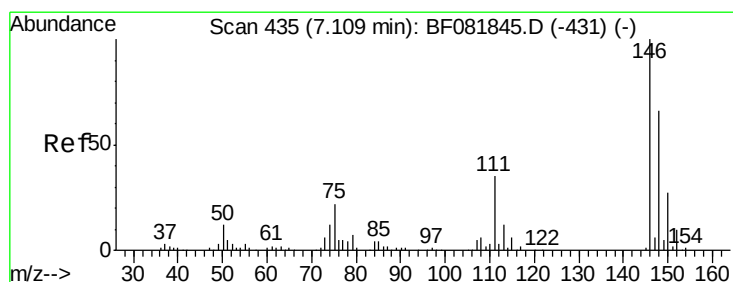
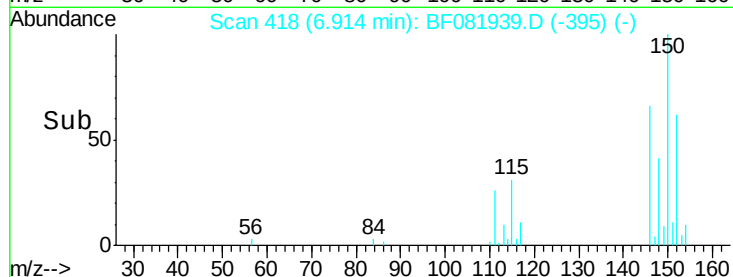
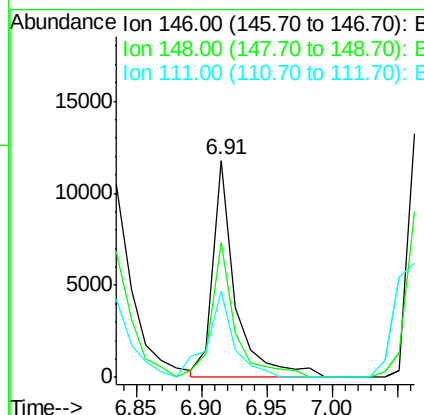
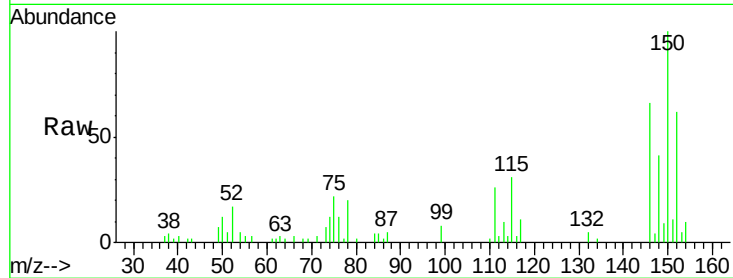
BNA_F

ClientSampleId :

LOD-SOIL2015-01

Tgt Ion:146 Resp: 14330

Ion	Ratio	Lower	Upper
146	100		
148	62.0	51.8	77.6
111	39.7	24.9	37.3#



#14

1,2-Dichlorobenzene

Concen: 1.93 ng

RT: 6.91 min Scan# 418

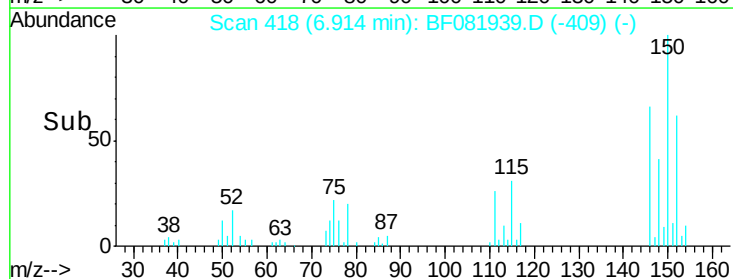
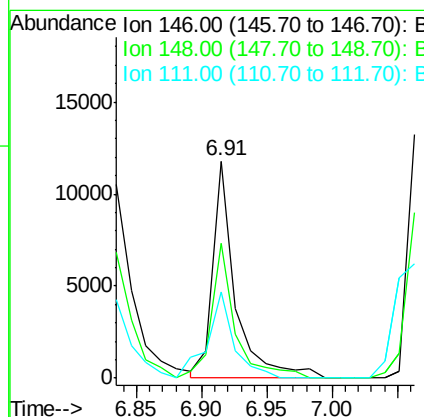
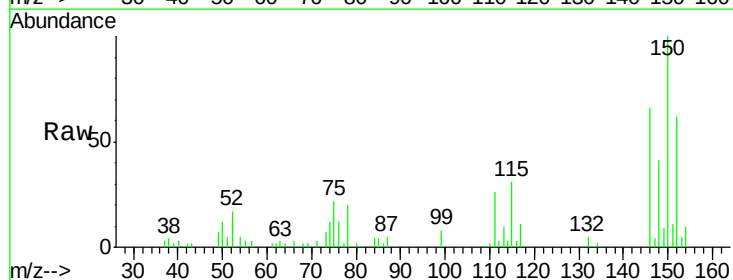
Delta R.T. -0.19 min

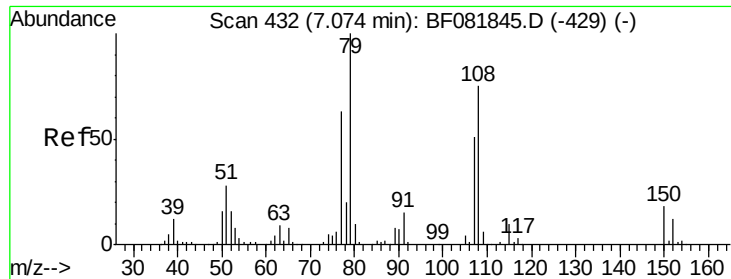
Lab File: BF081939.D

Acq: 1 Oct 2015 15:08

Tgt Ion:146 Resp: 14330

Ion	Ratio	Lower	Upper
146	100		
148	62.0	52.7	79.1
111	39.7	28.8	43.2





#15

Benzyl Alcohol

Concen: 2.39 ng

RT: 7.05 min Scan# 430

Delta R.T. -0.02 min

Lab File: BF081939.D

Acq: 1 Oct 2015 15:08

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2015-01

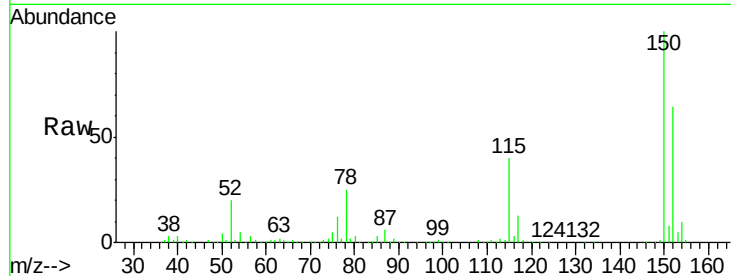
Tgt Ion: 79 Resp: 13274

Ion Ratio Lower Upper

79 100

108 33.4 88.6 132.8#

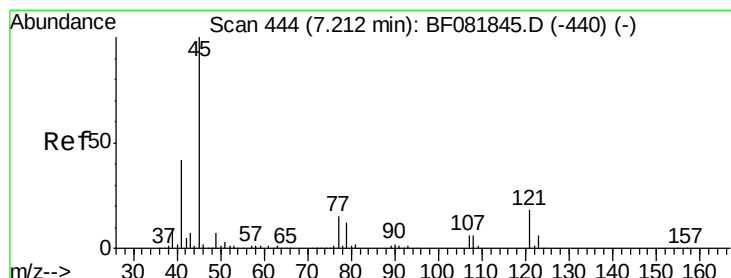
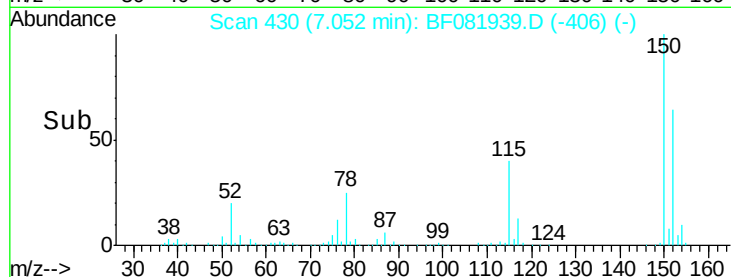
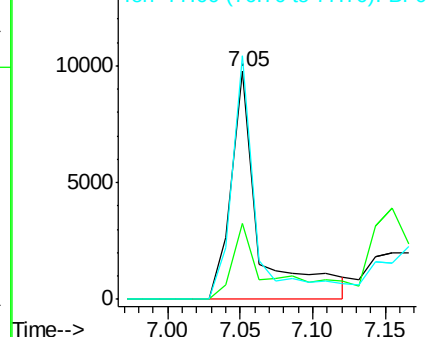
77 107.0 47.0 70.4#



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0



#16

2,2'-oxybis(1-Chloropropane)

Concen: 1.77 ng

RT: 7.18 min Scan# 441

Delta R.T. -0.03 min

Lab File: BF081939.D

Acq: 1 Oct 2015 15:08

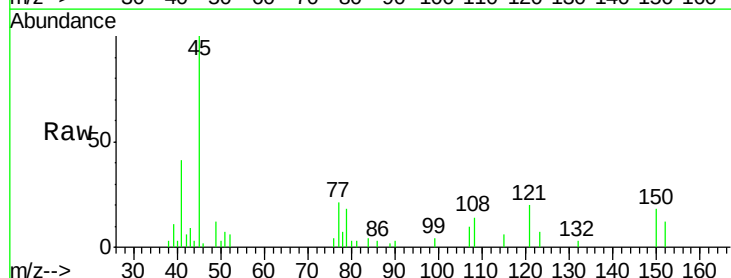
Tgt Ion: 45 Resp: 16719

Ion Ratio Lower Upper

45 100

77 21.2 0.0 28.1

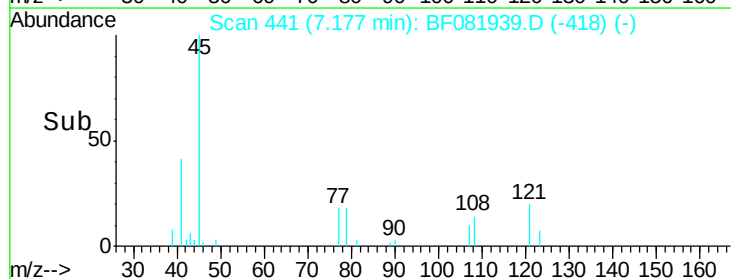
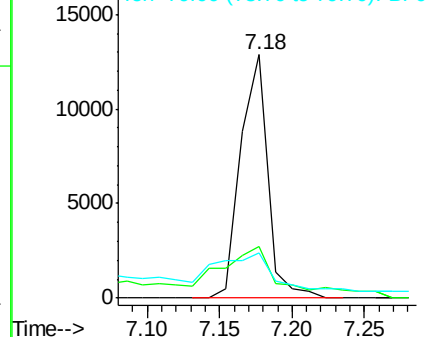
79 18.3 0.0 26.0

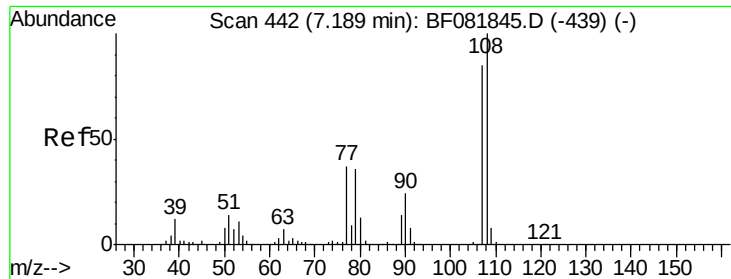


Abundance Ion 45.00 (44.70 to 45.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0

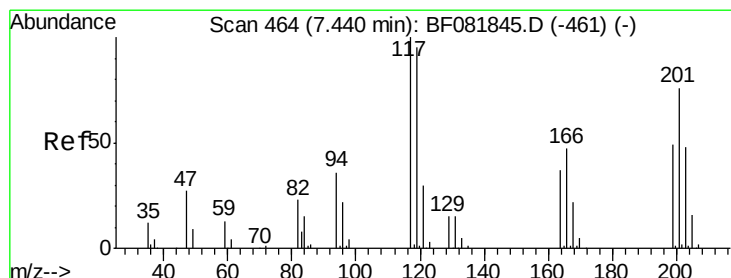
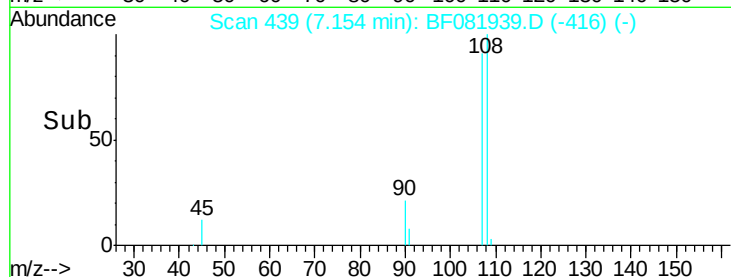
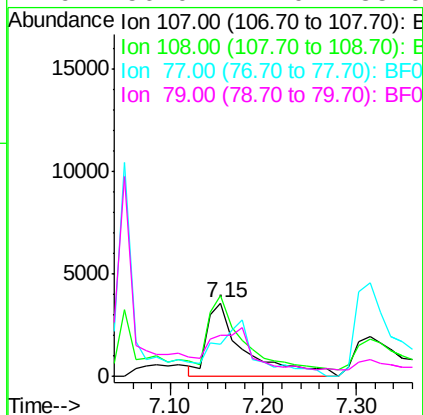
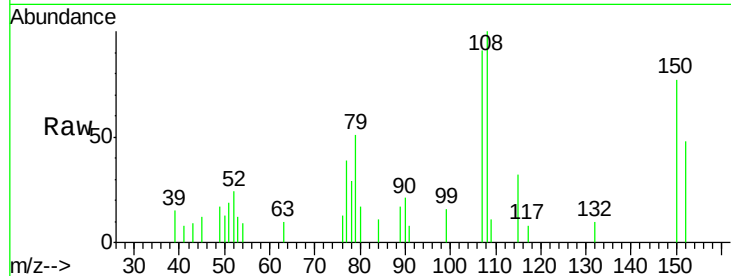




#17
2-Methylphenol
Concen: 1.82 ng
RT: 7.15 min Scan# 439
Delta R.T. -0.03 min
Lab File: BF081939.D
Acq: 1 Oct 2015 15:08

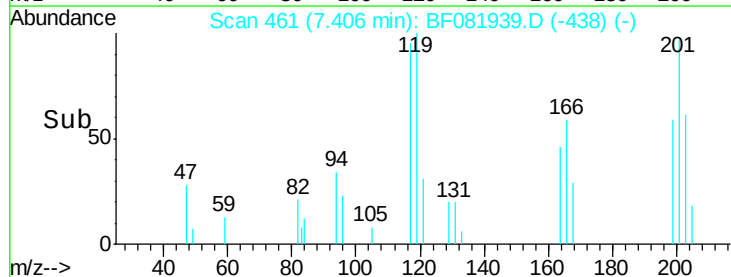
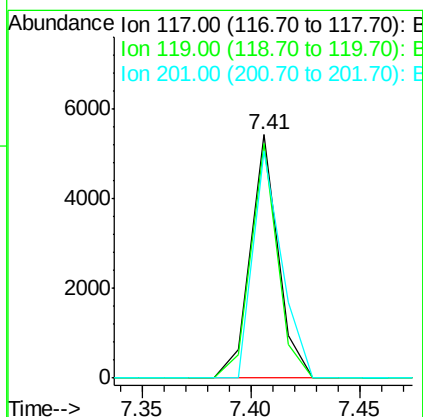
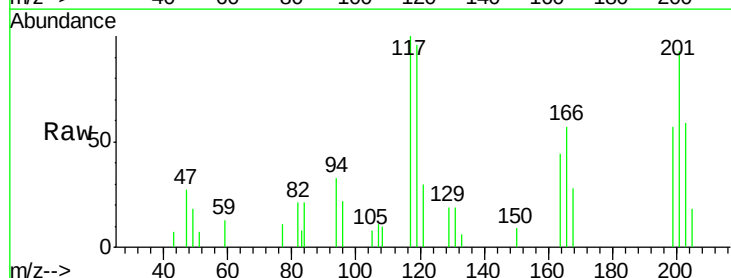
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2015-01

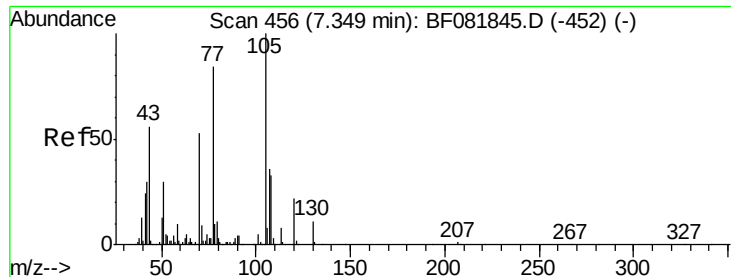
Tgt Ion:107 Resp: 9963
Ion Ratio Lower Upper
107 100
108 110.2 96.6 145.0
77 43.5 23.3 34.9#
79 56.0 22.0 33.0#



#18
Hexachloroethane
Concen: 1.84 ng
RT: 7.41 min Scan# 461
Delta R.T. -0.03 min
Lab File: BF081939.D
Acq: 1 Oct 2015 15:08

Tgt Ion:117 Resp: 4799
Ion Ratio Lower Upper
117 100
119 96.3 83.8 125.6
201 93.5 55.1 82.7#

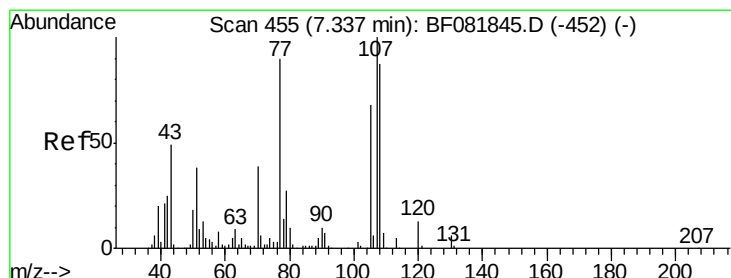
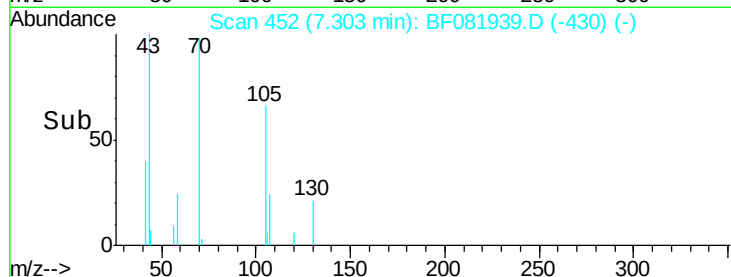
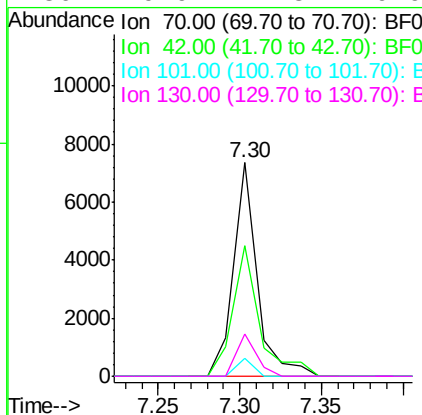
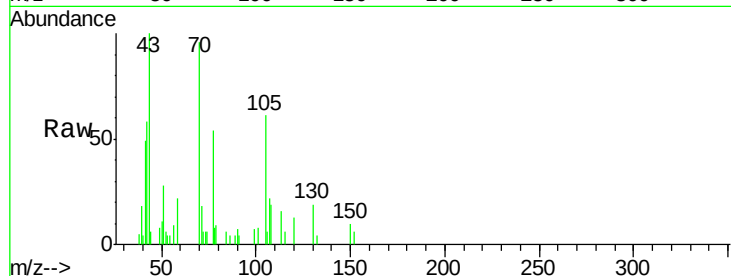




#19
n-Nitroso-di-n-propylamine
Concen: 1.57 ng
RT: 7.30 min Scan# 452
Delta R.T. -0.05 min
Lab File: BF081939.D
Acq: 1 Oct 2015 15:08

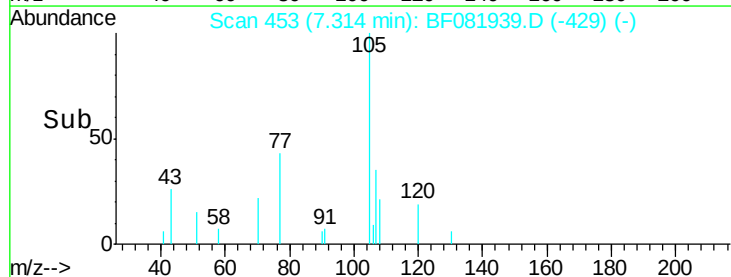
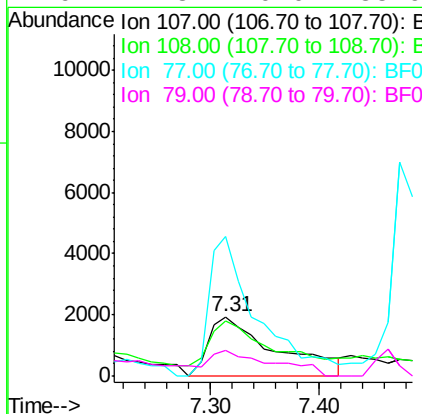
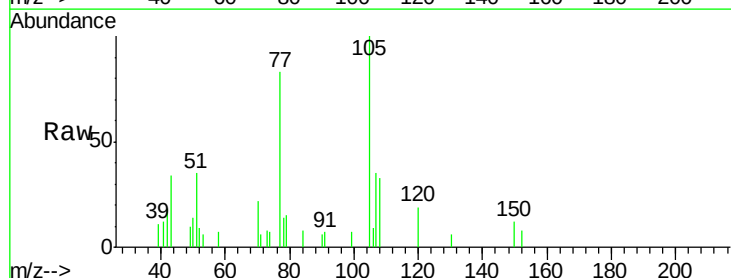
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2015-01

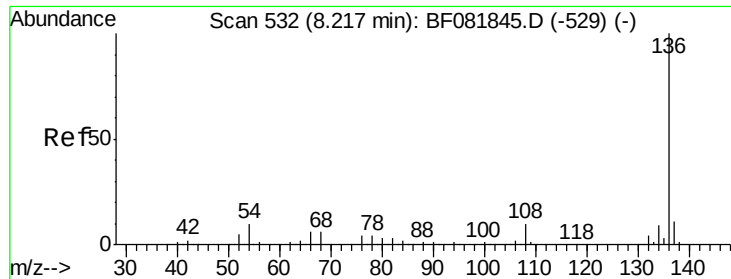
Tgt Ion: 70 Resp: 7316
Ion Ratio Lower Upper
70 100
42 61.0 63.8 95.6#
101 8.4 9.2 13.8#
130 19.9 27.3 40.9#



#20
3+4-Methylphenols
Concen: 1.20 ng
RT: 7.31 min Scan# 453
Delta R.T. -0.02 min
Lab File: BF081939.D
Acq: 1 Oct 2015 15:08

Tgt Ion: 107 Resp: 8274
Ion Ratio Lower Upper
107 100
108 93.0 74.6 114.6
77 235.9 0.7 40.7#
79 42.8 0.0 38.9#

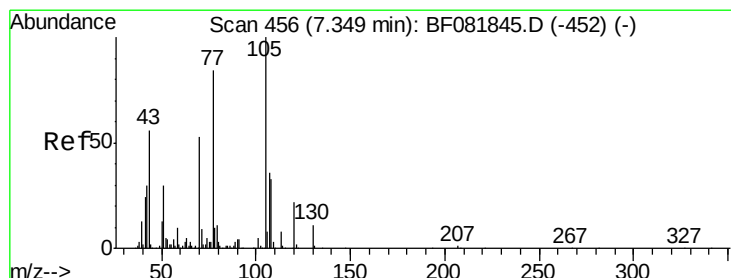
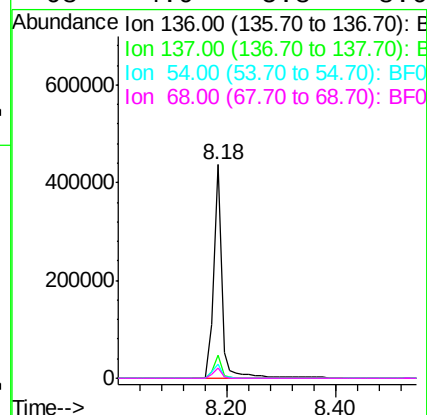
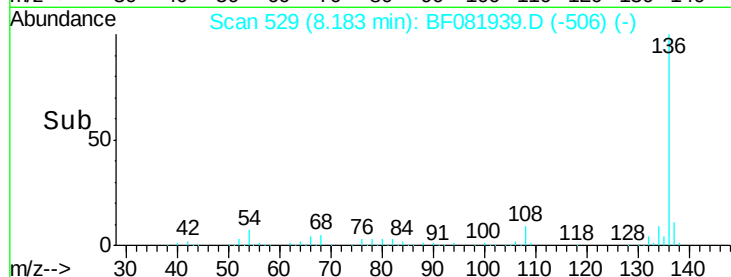
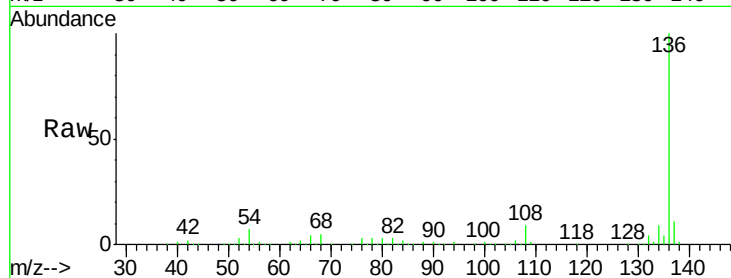




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.18 min Scan# 529
Delta R.T. -0.03 min
Lab File: BF081939.D
Acq: 1 Oct 2015 15:08

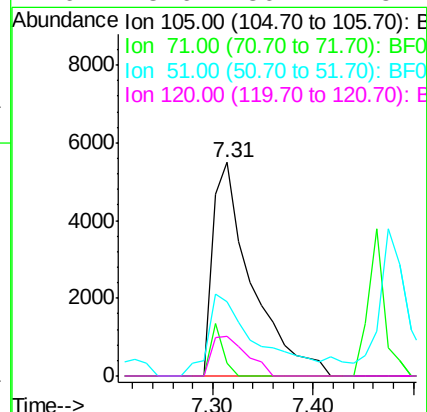
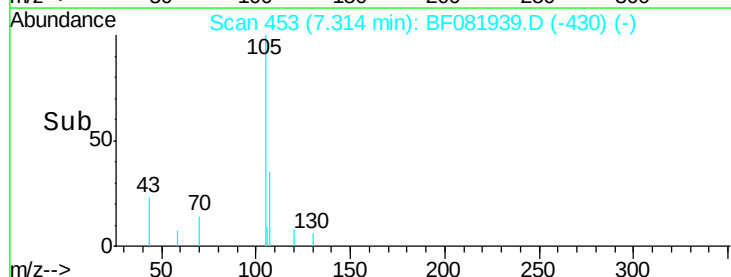
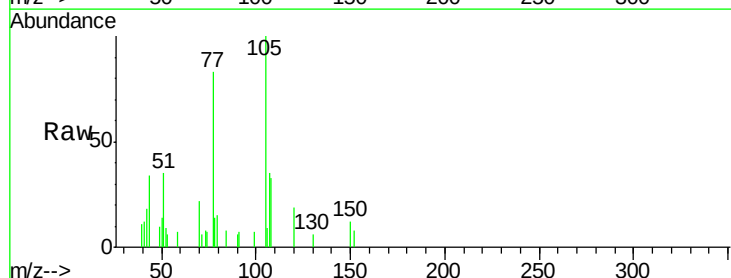
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2015-01

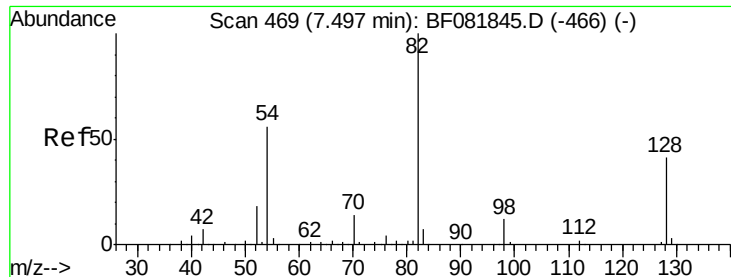
Tgt Ion:	136	Resp:	467177
Ion Ratio	Lower	Upper	
136	100		
137	10.6	9.0	13.6
54	6.9	8.2	12.2#
68	4.9	5.8	8.6#



#22
Acetophenone
Concen: 1.55 ng
RT: 7.31 min Scan# 453
Delta R.T. -0.03 min
Lab File: BF081939.D
Acq: 1 Oct 2015 15:08

Tgt Ion:	105	Resp:	14758
Ion Ratio	Lower	Upper	
105	100		
71	6.2	4.7	7.1
51	34.7	22.0	33.0#
120	18.6	30.1	45.1#

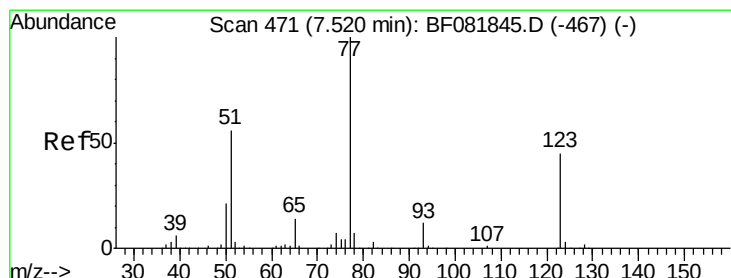
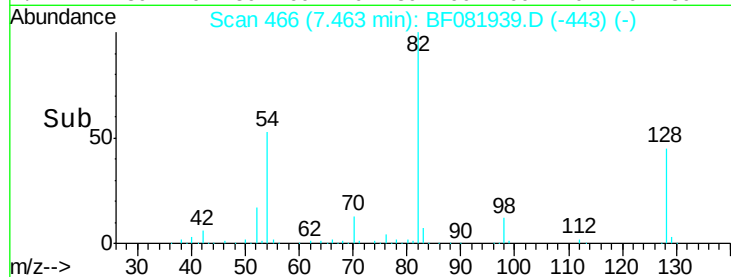
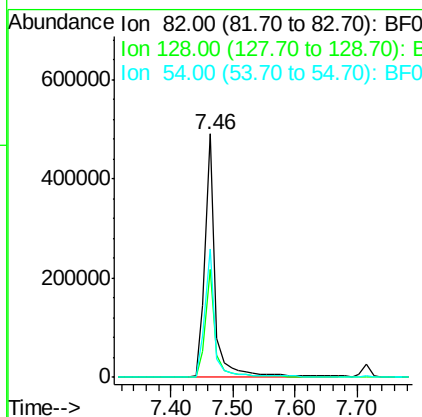
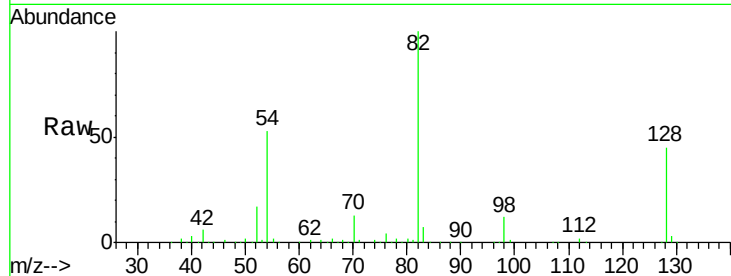




#23
 Nitrobenzene-d5
 Concen: 82.89 ng
 RT: 7.46 min Scan# 466
 Delta R.T. -0.03 min
 Lab File: BF081939.D
 Acq: 1 Oct 2015 15:08

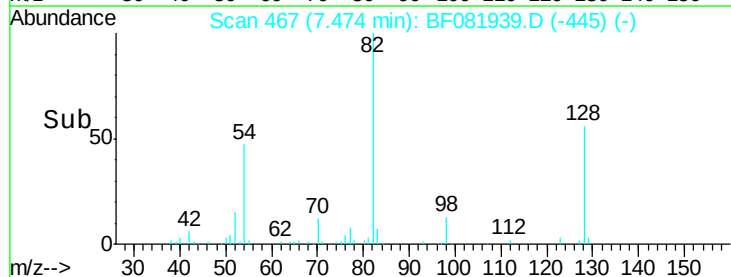
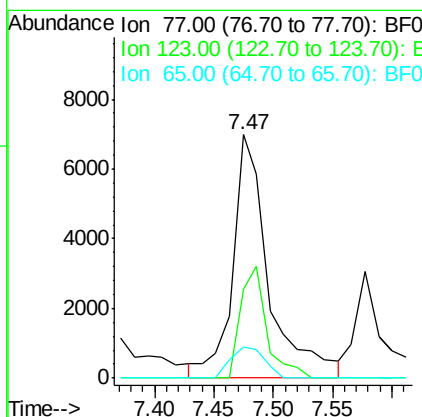
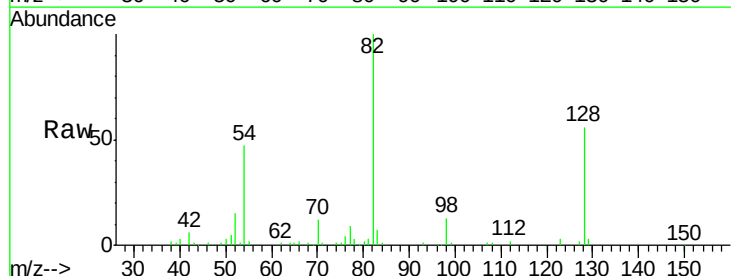
Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2015-01

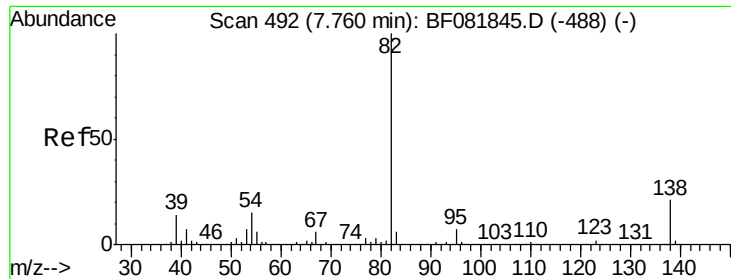
Tgt Ion: 82 Resp: 580959
 Ion Ratio Lower Upper
 82 100
 128 44.5 51.0 76.6#
 54 52.6 47.5 71.3



#24
 Nitrobenzene
 Concen: 1.95 ng
 RT: 7.47 min Scan# 467
 Delta R.T. -0.05 min
 Lab File: BF081939.D
 Acq: 1 Oct 2015 15:08

Tgt Ion: 77 Resp: 14808
 Ion Ratio Lower Upper
 77 100
 123 36.5 59.8 89.8#
 65 12.5 10.2 15.4





#25

Isophorone

Concen: 2.29 ng

RT: 7.71 min Scan# 488

Delta R.T. -0.05 min

Lab File: BF081939.D

Acq: 1 Oct 2015 15:08

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2015-01

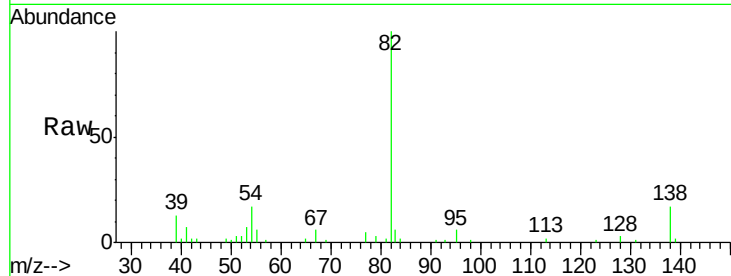
Tgt Ion: 82 Resp: 31870

Ion Ratio Lower Upper

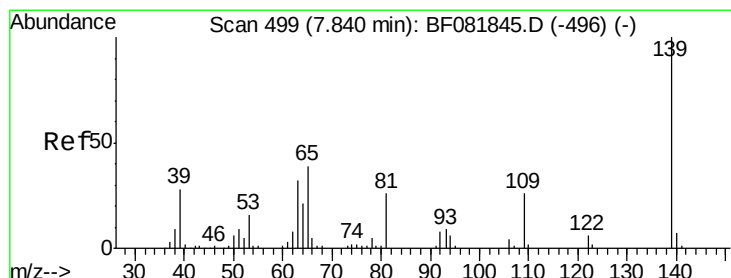
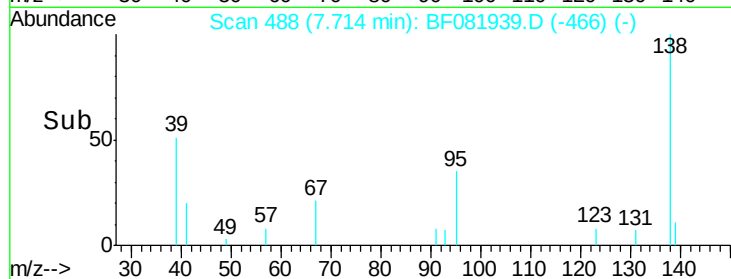
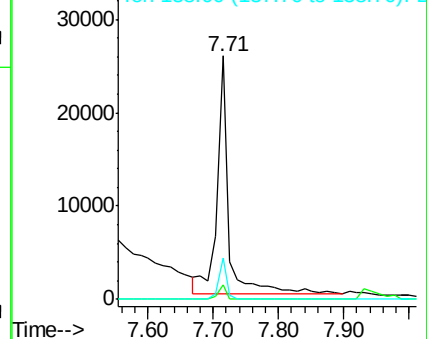
82 100

95 5.9 4.0 6.0

138 17.2 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): E



#26

2-Nitrophenol

Concen: 1.04 ng

RT: 7.81 min Scan# 496

Delta R.T. -0.03 min

Lab File: BF081939.D

Acq: 1 Oct 2015 15:08

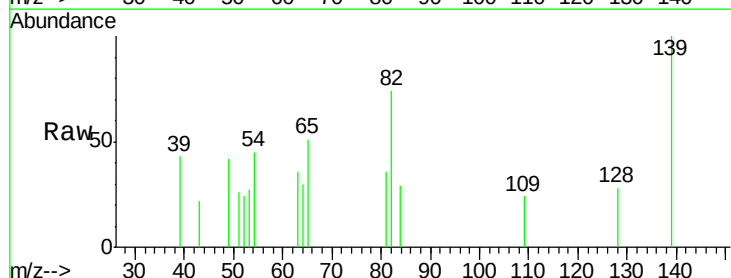
Tgt Ion: 139 Resp: 3805

Ion Ratio Lower Upper

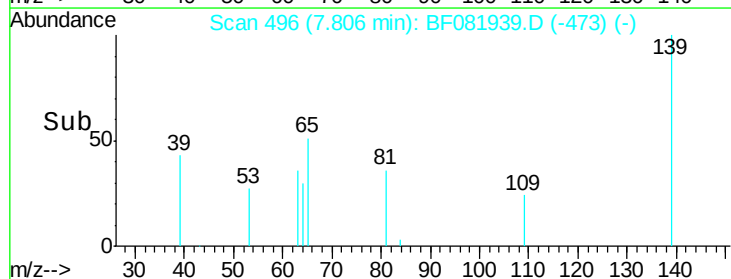
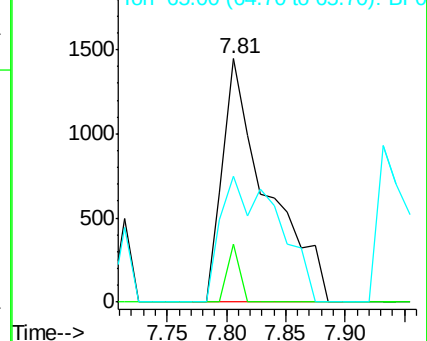
139 100

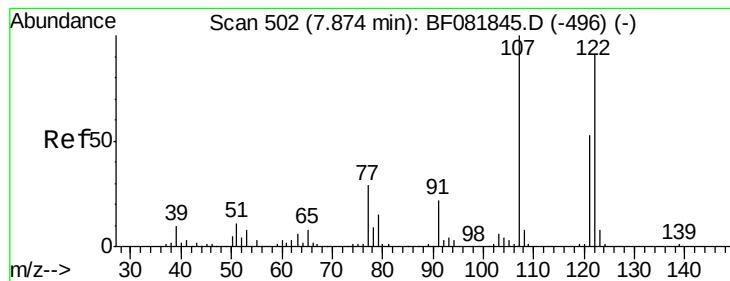
109 24.0 11.0 16.4#

65 51.5 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: 1.22 ng

RT: 7.84 min Scan# 499

Delta R.T. -0.03 min

Lab File: BF081939.D

Acq: 1 Oct 2015 15:08

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2015-01

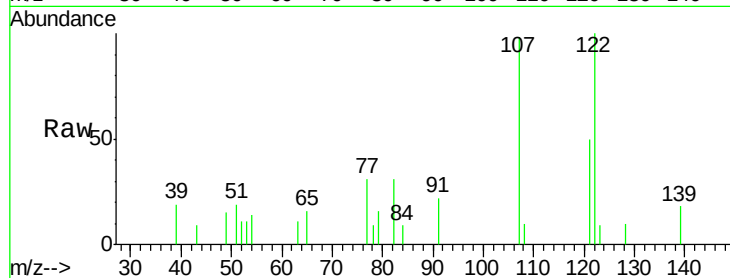
Tgt Ion:122 Resp: 7856

Ion Ratio Lower Upper

122 100

107 98.4 71.8 107.6

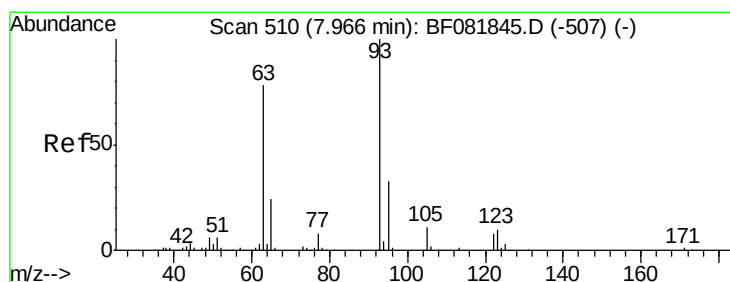
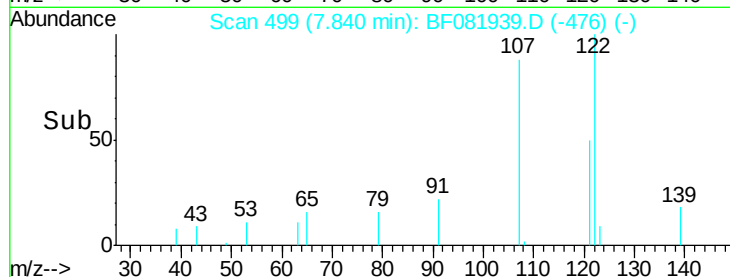
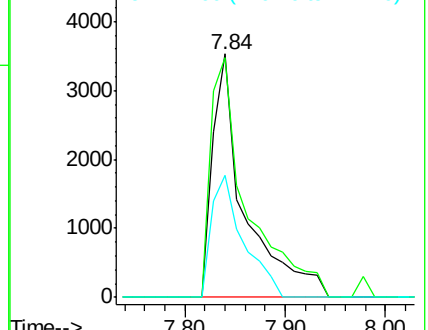
121 50.3 42.3 63.5



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 1.20 ng

RT: 7.93 min Scan# 507

Delta R.T. -0.03 min

Lab File: BF081939.D

Acq: 1 Oct 2015 15:08

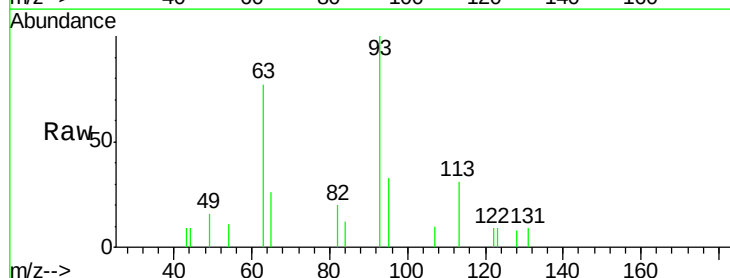
Tgt Ion: 93 Resp: 9884

Ion Ratio Lower Upper

93 100

95 33.3 27.5 41.3

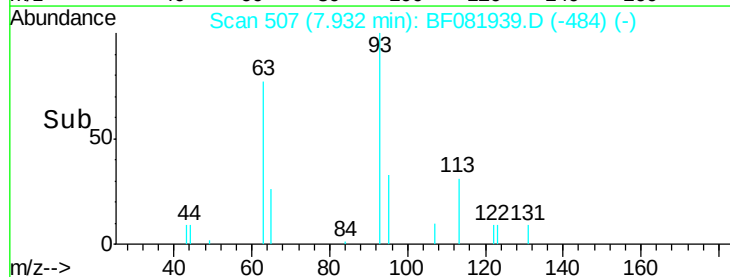
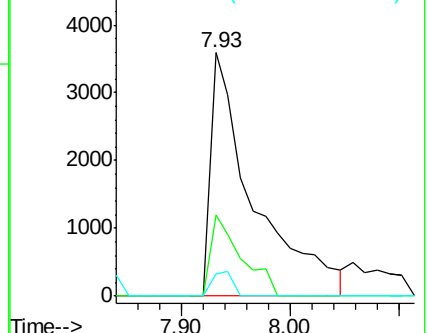
123 9.4 13.7 20.5#

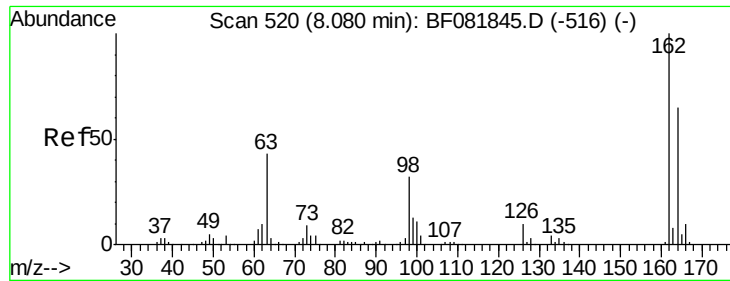


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 123.00 (122.70 to 123.70): E

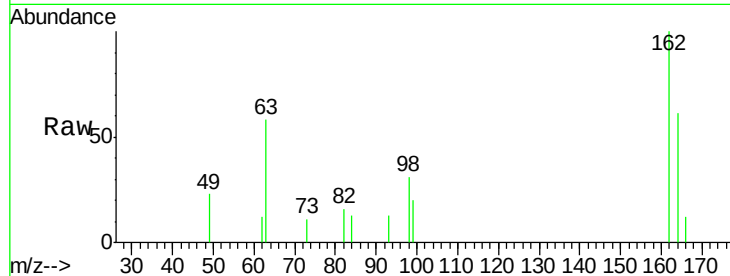




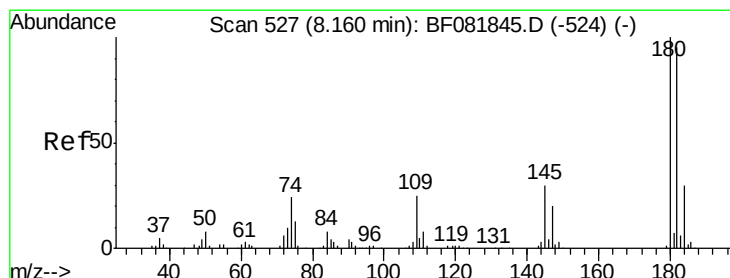
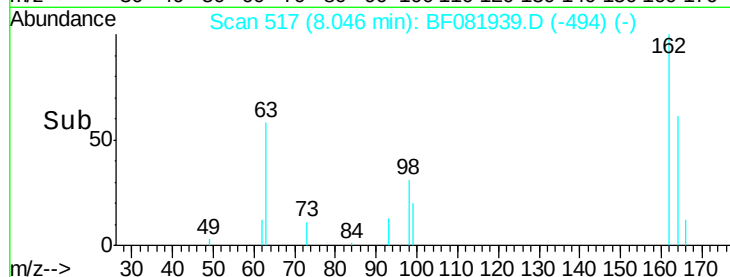
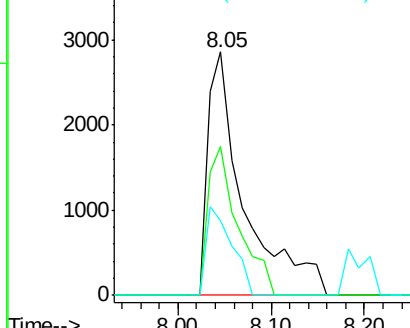
#29
 2,4-Dichlorophenol
 Concen: 1.24 ng
 RT: 8.05 min Scan# 517
 Delta R.T. -0.03 min
 Lab File: BF081939.D
 Acq: 1 Oct 2015 15:08

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2015-01

Tgt Ion	Ratio	Lower	Upper
162	100		
164	61.3	44.9	84.9
98	30.6	13.0	53.0

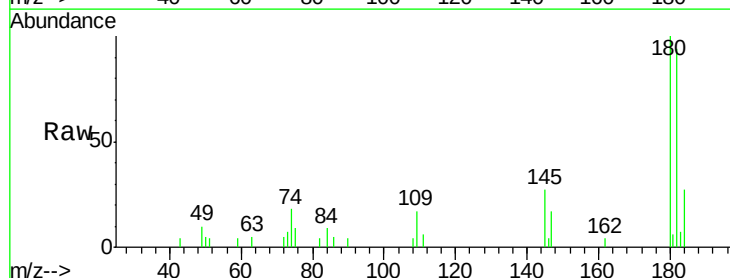


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF0

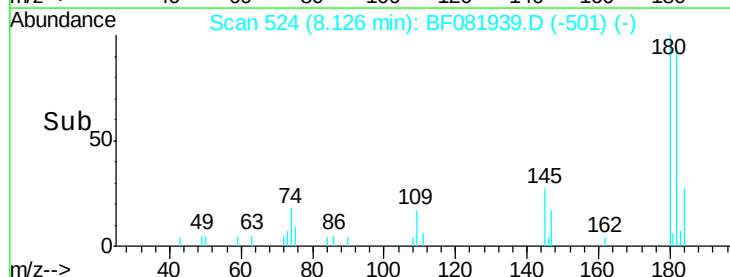
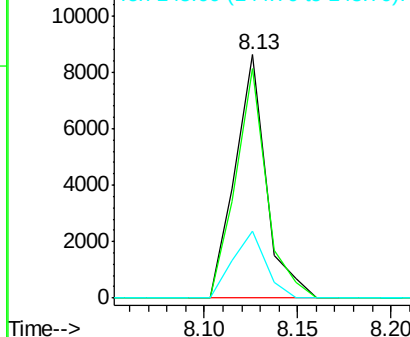


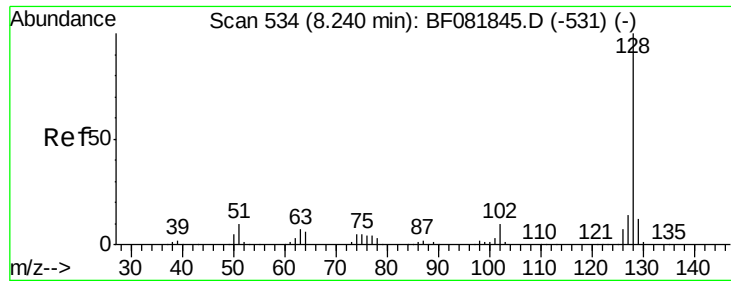
#30
 1,2,4-Trichlorobenzene
 Concen: 1.45 ng
 RT: 8.13 min Scan# 524
 Delta R.T. -0.03 min
 Lab File: BF081939.D
 Acq: 1 Oct 2015 15:08

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.5	77.1	115.7
145	27.3	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

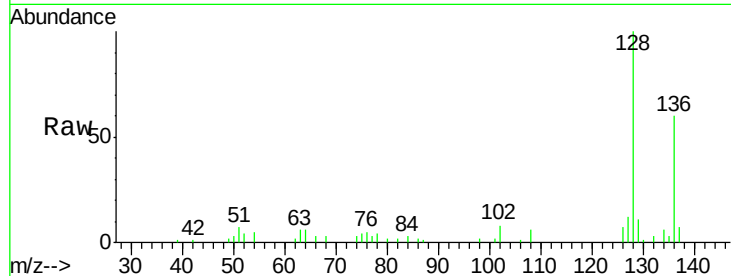




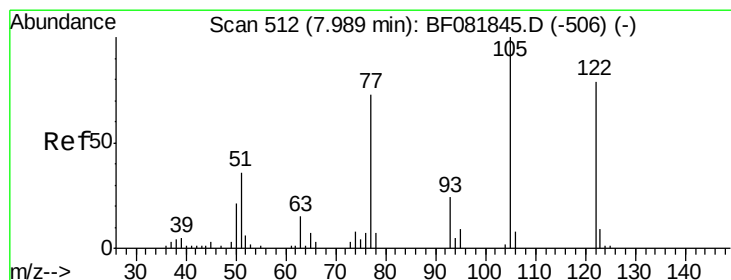
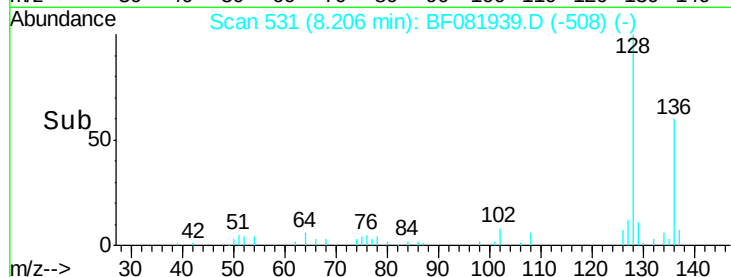
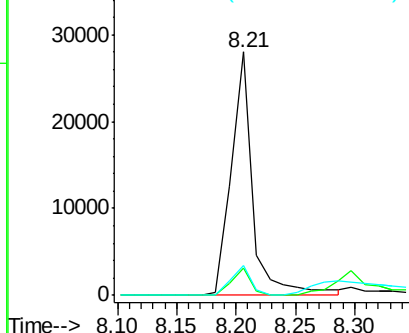
#31
Naphthalene
Concen: 1.70 ng
RT: 8.21 min Scan# 531
Delta R.T. -0.03 min
Lab File: BF081939.D
Acq: 1 Oct 2015 15:08

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2015-01

Tgt Ion:128 Resp: 35294
Ion Ratio Lower Upper
128 100
129 11.2 8.4 12.6
127 12.1 9.9 14.9

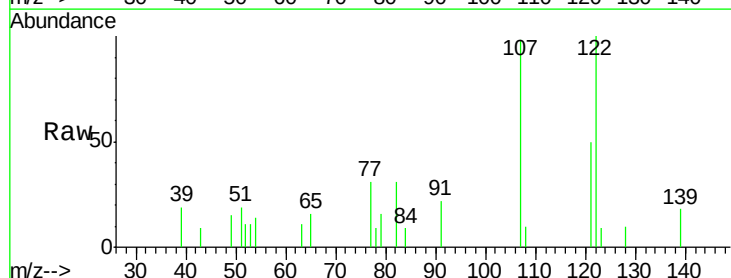


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

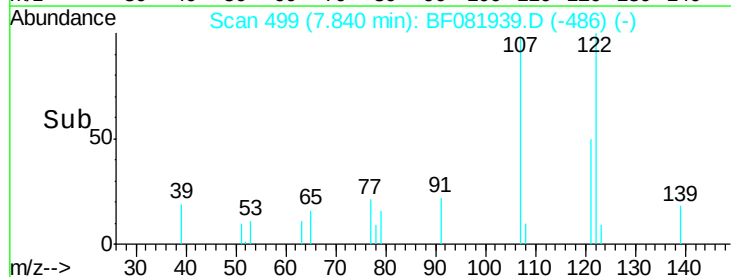
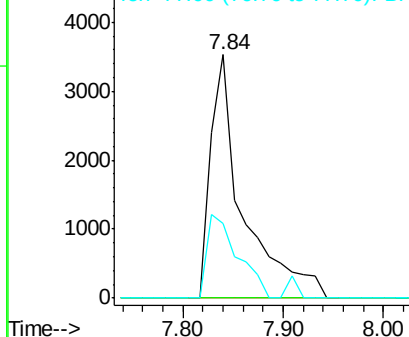


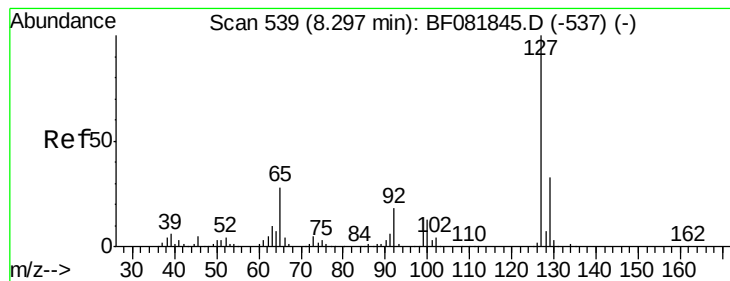
#32
Benzoic acid
Concen: 9.08 ng
RT: 7.84 min Scan# 499
Delta R.T. -0.15 min
Lab File: BF081939.D
Acq: 1 Oct 2015 15:08

Tgt Ion:122 Resp: 7856
Ion Ratio Lower Upper
122 100
105 0.0 76.1 116.1#
77 30.6 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: 1.22 ng

RT: 8.29 min Scan# 538

Delta R.T. -0.01 min

Lab File: BF081939.D

Acq: 1 Oct 2015 15:08

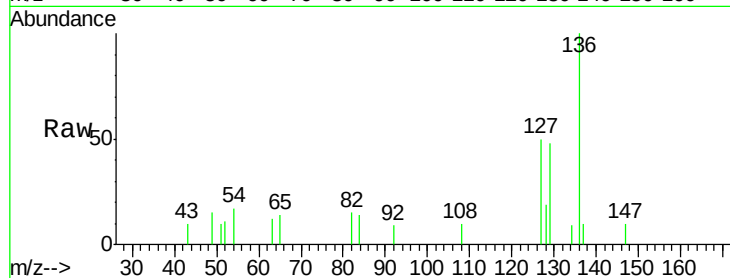
Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2015-01

Tgt Ion:	127	Resp:	10929
Ion	Ratio	Lower	Upper
127	100		
129	97.3	25.8	38.6#
65	28.9	17.9	26.9#
92	18.2	10.5	15.7#

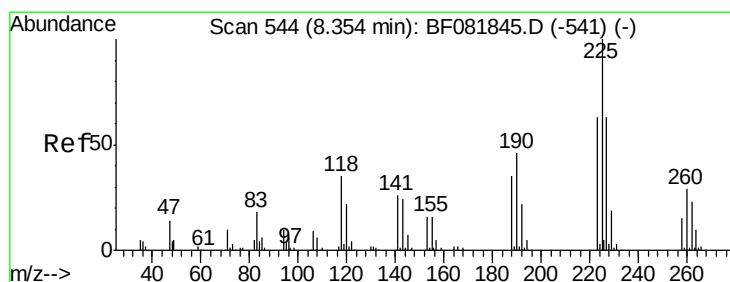
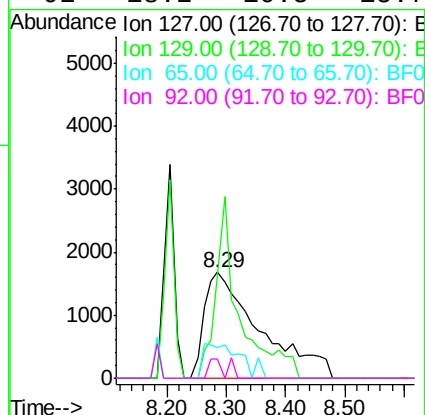
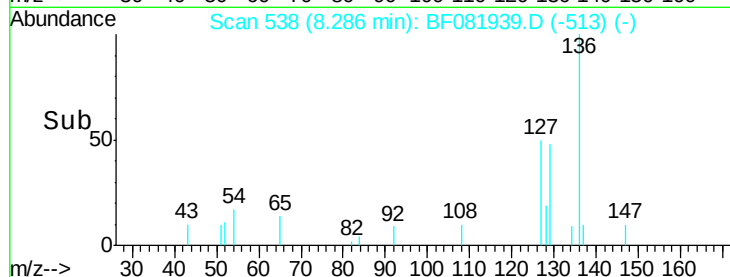


Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0



#34

Hexachlorobutadiene

Concen: 1.70 ng

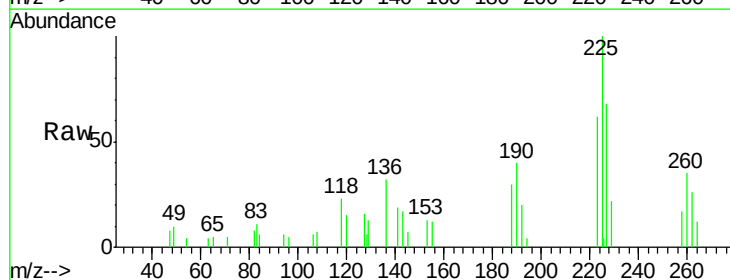
RT: 8.32 min Scan# 541

Delta R.T. -0.03 min

Lab File: BF081939.D

Acq: 1 Oct 2015 15:08

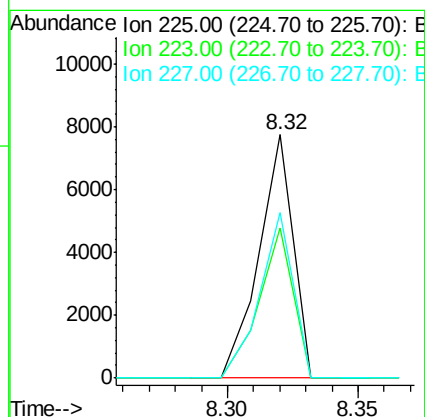
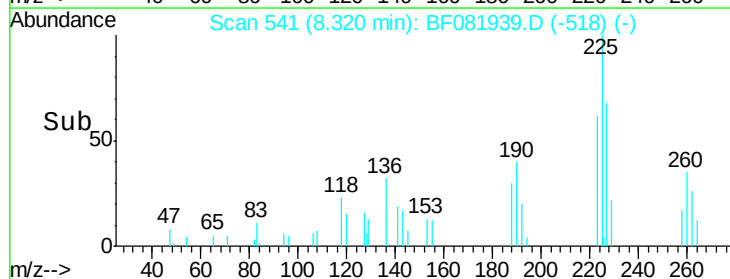
Tgt Ion:	225	Resp:	7012
Ion	Ratio	Lower	Upper
225	100		
223	61.9	50.2	75.2
227	67.9	52.2	78.2

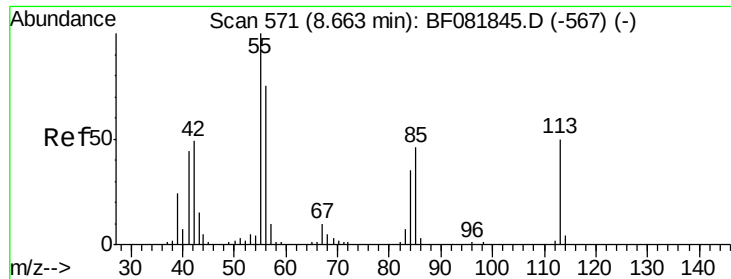


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

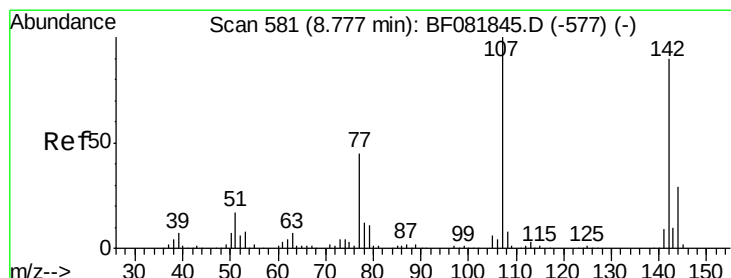
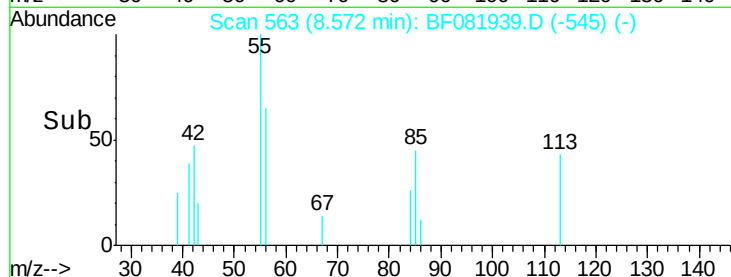
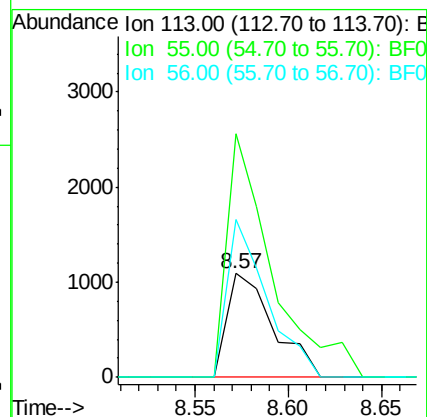
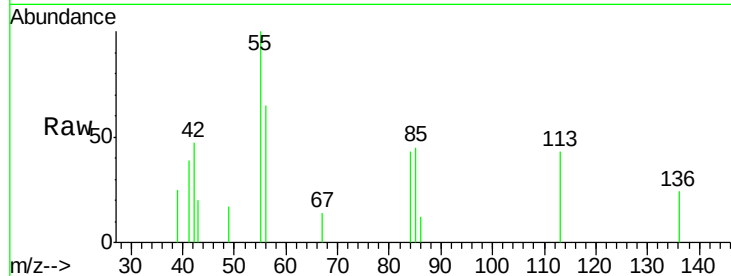




#35
 Caprolactam
 Concen: 1.10 ng
 RT: 8.57 min Scan# 563
 Delta R.T. -0.09 min
 Lab File: BF081939.D
 Acq: 1 Oct 2015 15:08

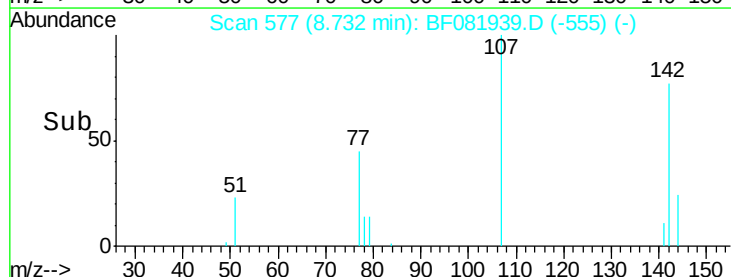
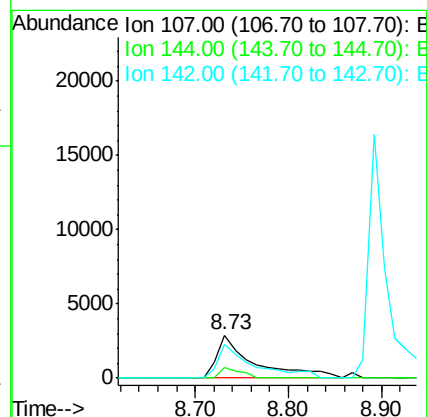
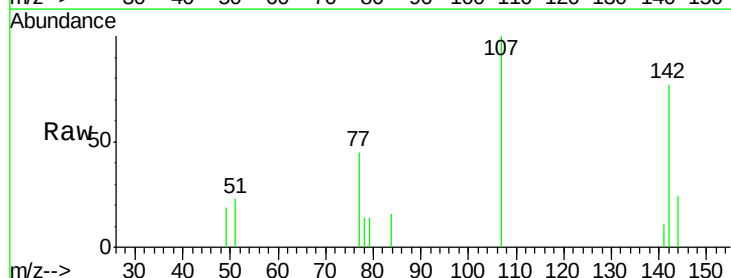
Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2015-01

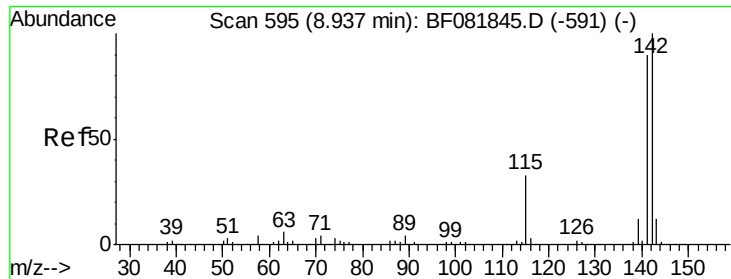
Tgt Ion:113 Resp: 1890
 Ion Ratio Lower Upper
 113 100
 55 234.1 152.4 192.4#
 56 152.1 104.6 144.6#



#36
 4-Chloro-3-methylphenol
 Concen: 1.29 ng
 RT: 8.73 min Scan# 577
 Delta R.T. -0.05 min
 Lab File: BF081939.D
 Acq: 1 Oct 2015 15:08

Tgt Ion:107 Resp: 7864
 Ion Ratio Lower Upper
 107 100
 144 24.2 25.4 38.0#
 142 77.1 77.3 115.9#

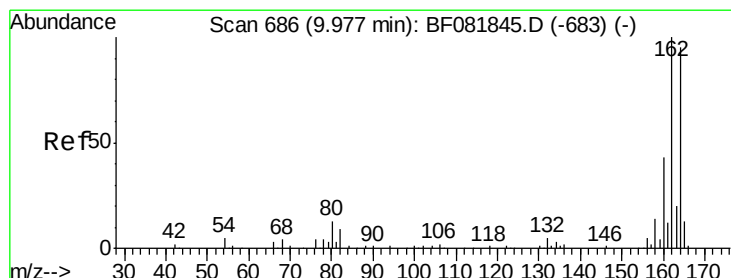
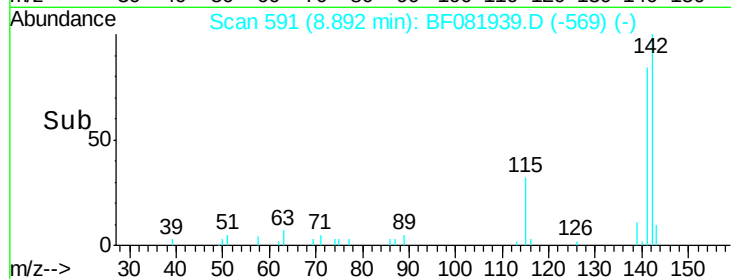
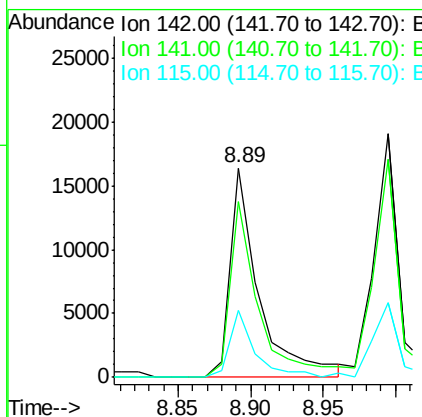
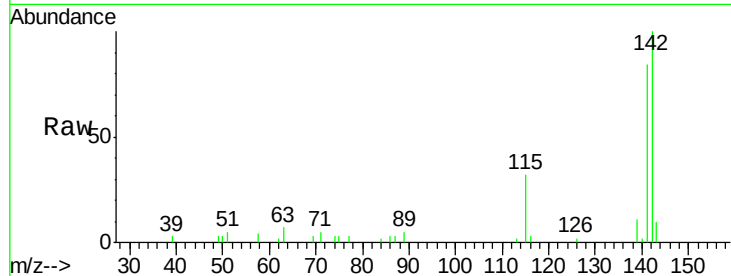




#37
2-Methylnaphthalene
Concen: 1.61 ng
RT: 8.89 min Scan# 591
Delta R.T. -0.05 min
Lab File: BF081939.D
Acq: 1 Oct 2015 15:08

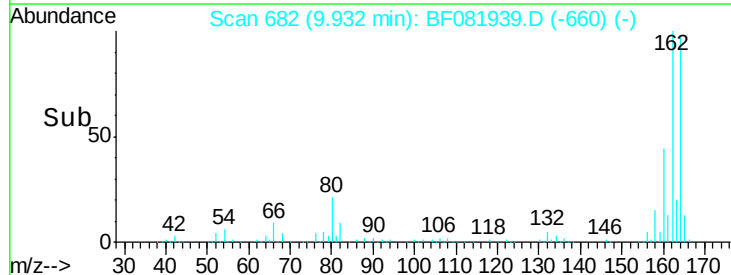
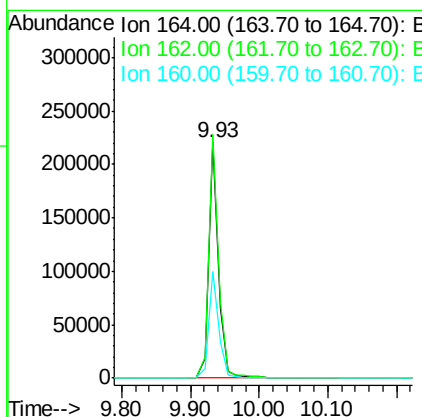
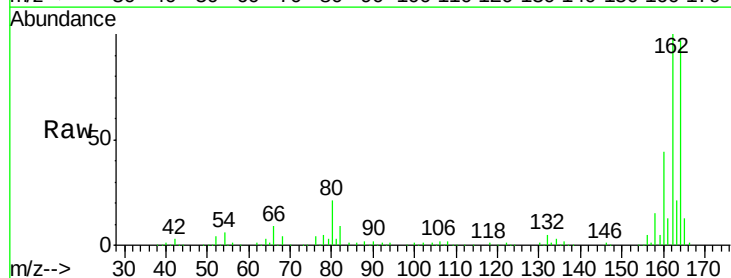
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2015-01

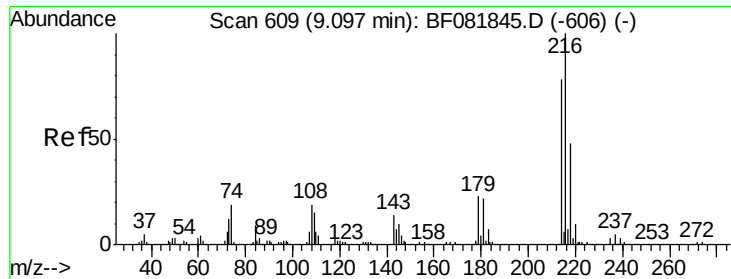
Tgt Ion:142 Resp: 22692
Ion Ratio Lower Upper
142 100
141 83.8 67.5 101.3
115 32.2 18.2 27.2#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.93 min Scan# 682
Delta R.T. -0.05 min
Lab File: BF081939.D
Acq: 1 Oct 2015 15:08

Tgt Ion:164 Resp: 221744
Ion Ratio Lower Upper
164 100
162 103.2 75.2 112.8
160 45.5 31.5 47.3

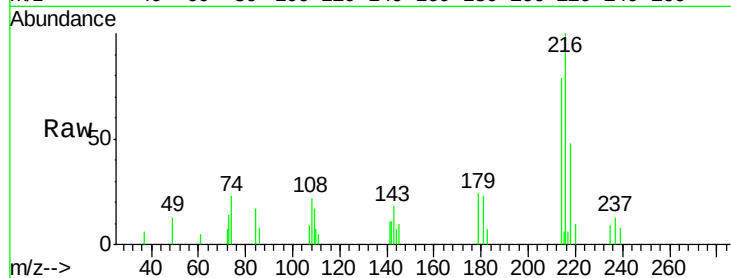




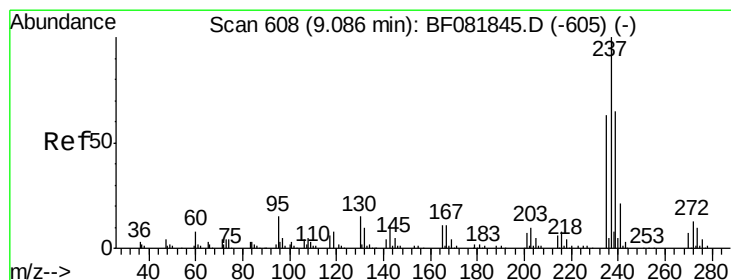
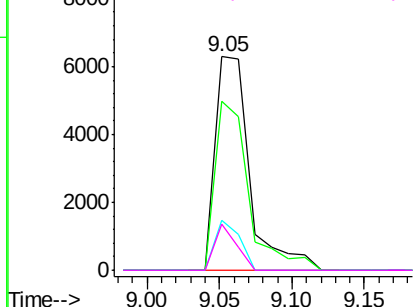
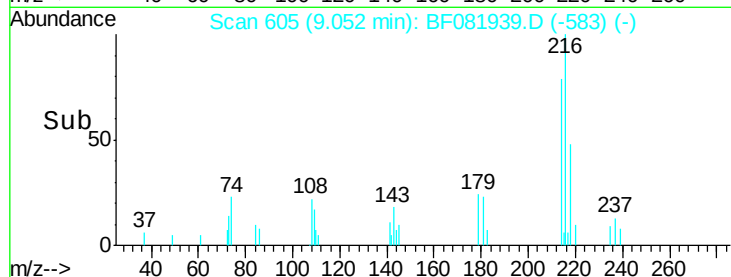
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 1.53 ng
 RT: 9.05 min Scan# 605
 Delta R.T. -0.05 min
 Lab File: BF081939.D
 Acq: 1 Oct 2015 15:08

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2015-01

Tgt Ion:216 Resp: 10417
 Ion Ratio Lower Upper
 216 100
 214 77.1 63.5 95.3
 179 16.8 16.6 24.8
 108 13.5 16.3 24.5#

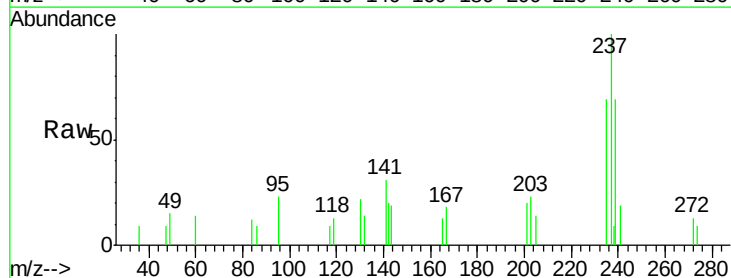


Abundance Ion 216.00 (215.70 to 216.70): E
 Ion 214.00 (213.70 to 214.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 108.00 (107.70 to 108.70): E

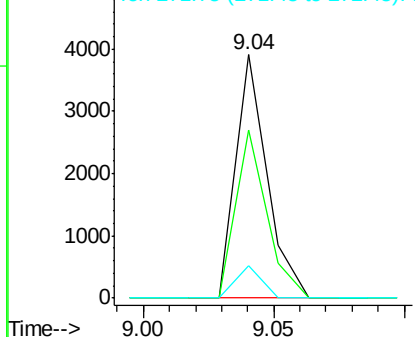
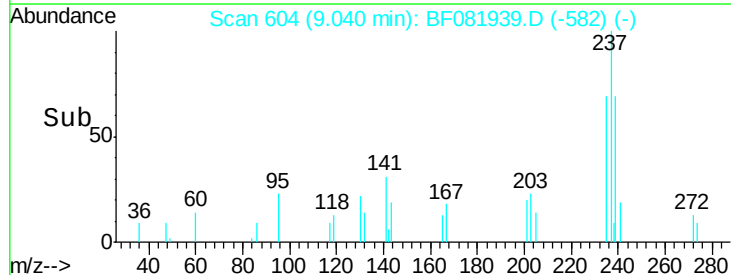


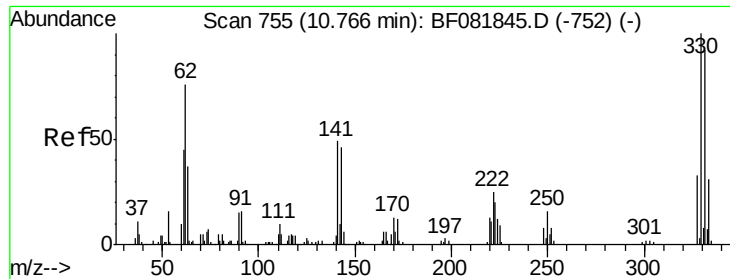
#40
 Hexachlorocyclopentadiene
 Concen: 0.93 ng
 RT: 9.04 min Scan# 604
 Delta R.T. -0.04 min
 Lab File: BF081939.D
 Acq: 1 Oct 2015 15:08

Tgt Ion:237 Resp: 3261
 Ion Ratio Lower Upper
 237 100
 235 69.1 42.0 82.0
 272 13.4 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

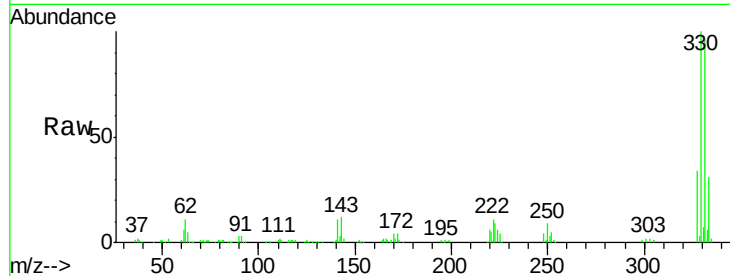




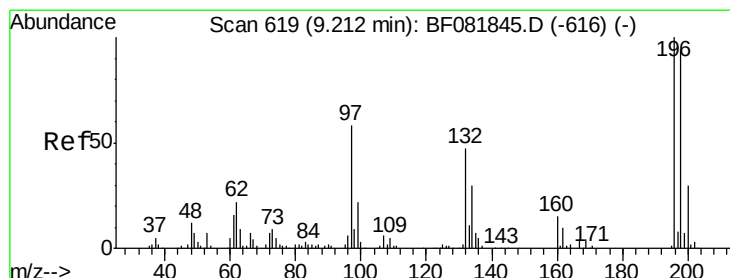
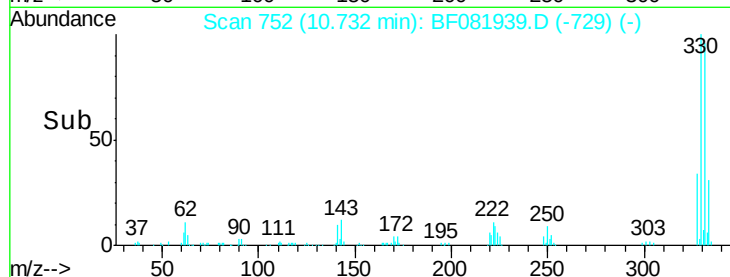
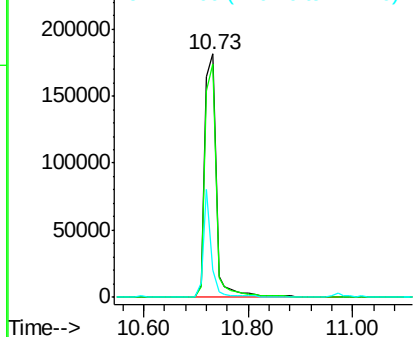
#41
 2,4,6-Tribromophenol
 Concen: 124.33 ng
 RT: 10.73 min Scan# 752
 Delta R.T. -0.03 min
 Lab File: BF081939.D
 Acq: 1 Oct 2015 15:08

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2015-01

Tgt Ion:330 Resp: 279204
 Ion Ratio Lower Upper
 330 100
 332 95.2 76.6 114.8
 141 31.1 29.7 44.5

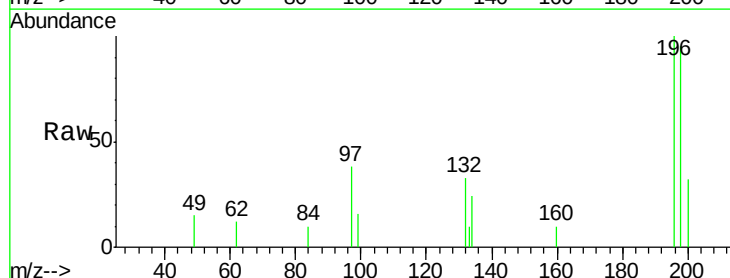


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

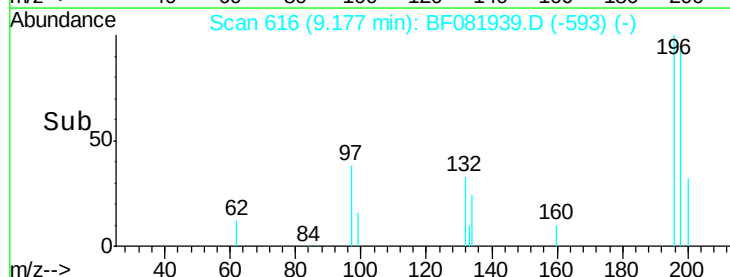
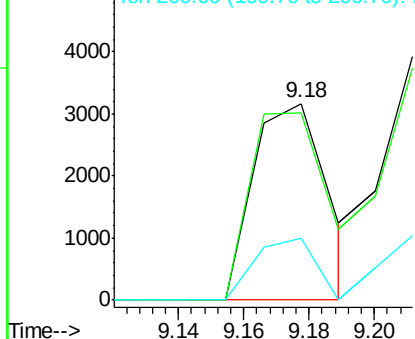


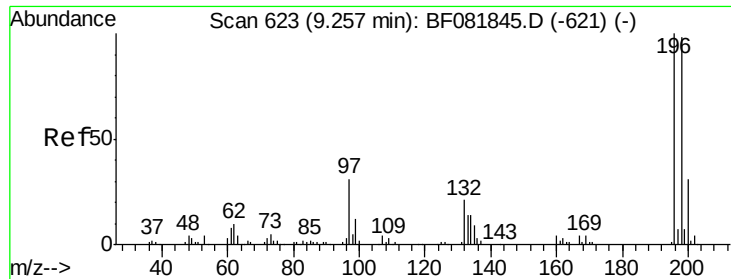
#42
 2,4,6-Trichlorophenol
 Concen: 1.07 ng
 RT: 9.18 min Scan# 616
 Delta R.T. -0.03 min
 Lab File: BF081939.D
 Acq: 1 Oct 2015 15:08

Tgt Ion:196 Resp: 4985
 Ion Ratio Lower Upper
 196 100
 198 95.5 75.7 113.5
 200 31.7 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

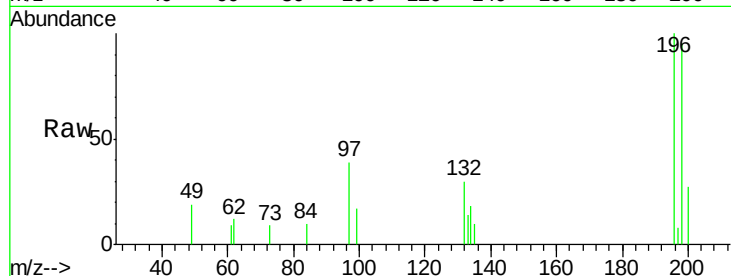




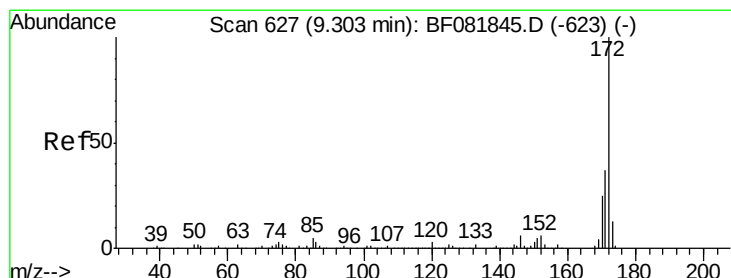
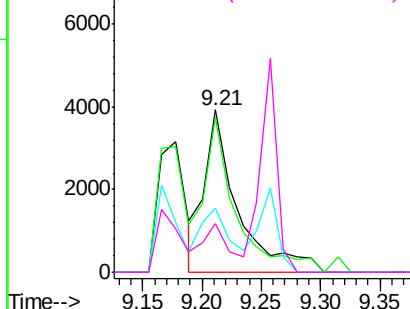
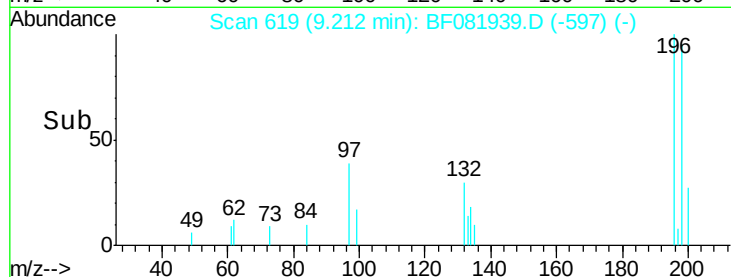
#43
 2,4,5-Trichlorophenol
 Concen: 1.59 ng
 RT: 9.21 min Scan# 619
 Delta R.T. -0.05 min
 Lab File: BF081939.D
 Acq: 1 Oct 2015 15:08

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2015-01

Tgt Ion:196 Resp: 7638
 Ion Ratio Lower Upper
 196 100
 198 95.3 75.4 113.0
 97 39.4 33.3 49.9
 132 29.6 24.6 37.0

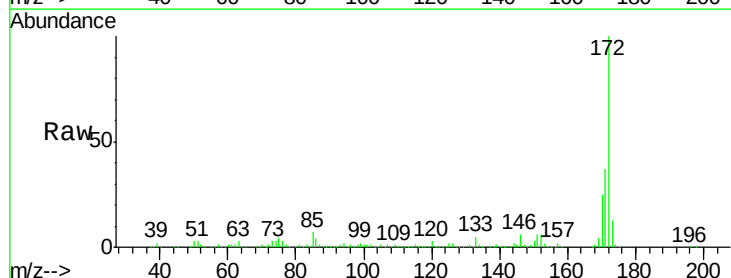


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF0
 Ion 132.00 (131.70 to 132.70): E

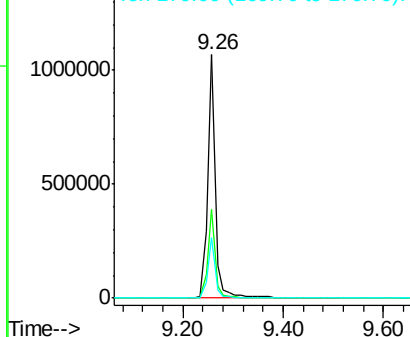
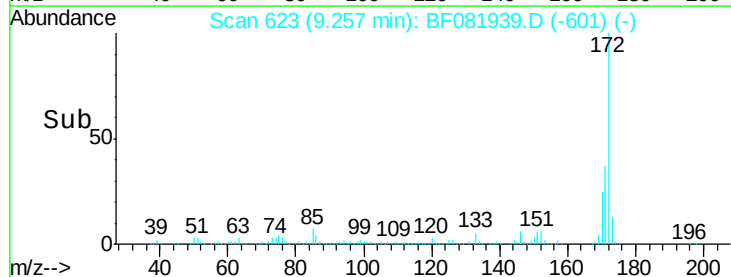


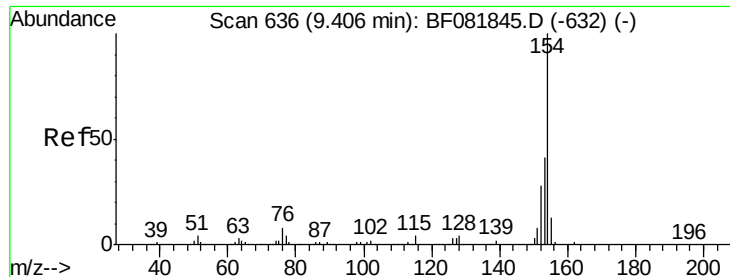
#44
 2-Fluorobiphenyl
 Concen: 86.18 ng
 RT: 9.26 min Scan# 623
 Delta R.T. -0.05 min
 Lab File: BF081939.D
 Acq: 1 Oct 2015 15:08

Tgt Ion:172 Resp: 1138964
 Ion Ratio Lower Upper
 172 100
 171 36.7 26.1 39.1
 170 25.0 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

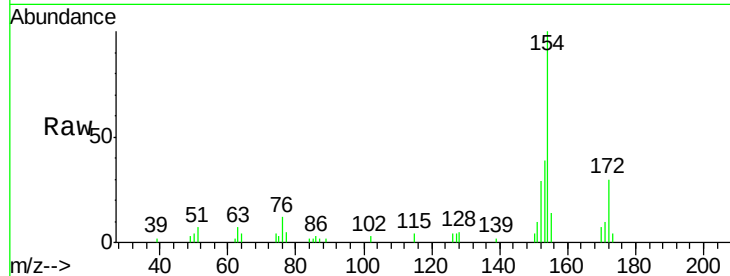




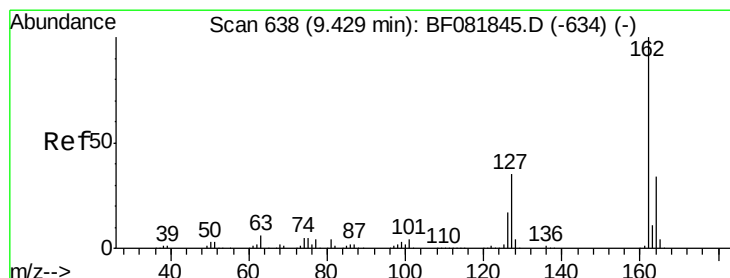
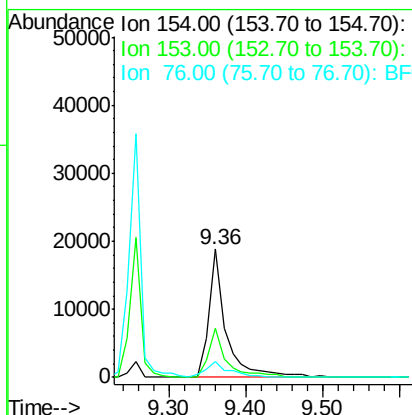
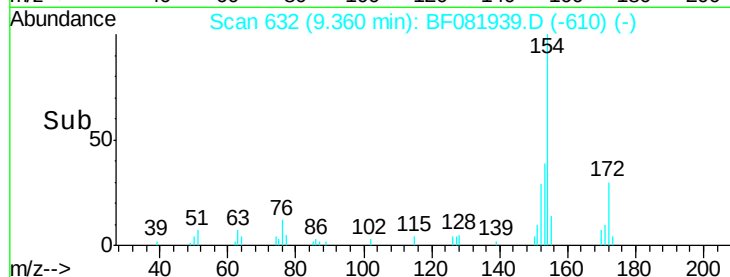
#45
 1,1'-Biphenyl
 Concen: 1.70 ng
 RT: 9.36 min Scan# 632
 Delta R.T. -0.05 min
 Lab File: BF081939.D
 Acq: 1 Oct 2015 15:08

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2015-01

Tgt Ion:154 Resp: 29149
 Ion Ratio Lower Upper
 154 100
 153 38.6 17.1 57.1
 76 12.1 0.0 31.6

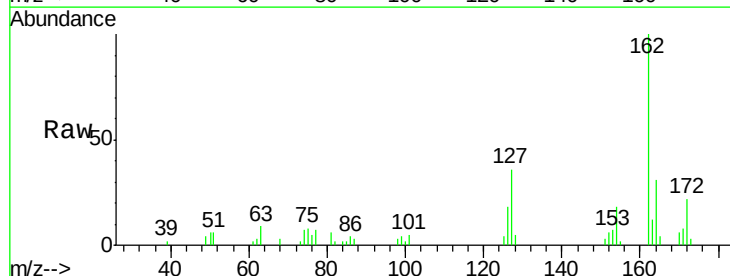


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF0

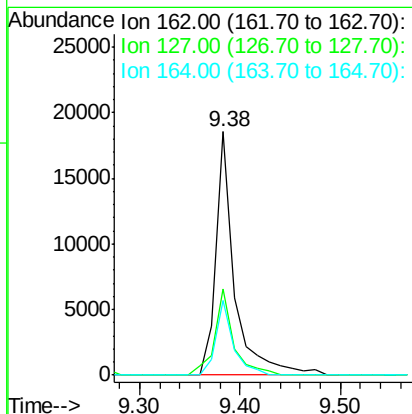
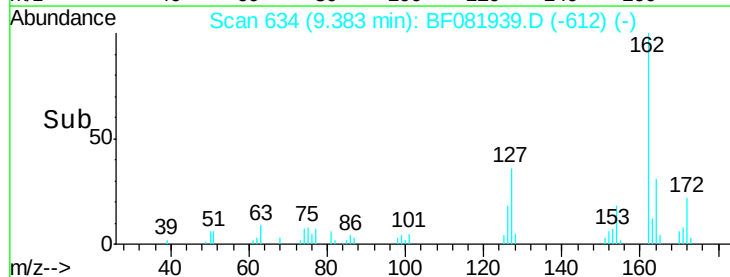


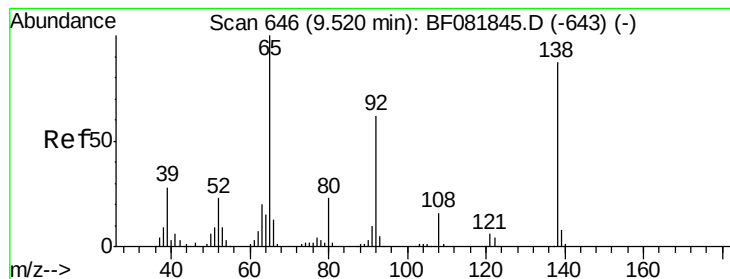
#46
 2-Chloronaphthalene
 Concen: 1.78 ng
 RT: 9.38 min Scan# 634
 Delta R.T. -0.05 min
 Lab File: BF081939.D
 Acq: 1 Oct 2015 15:08

Tgt Ion:162 Resp: 23854
 Ion Ratio Lower Upper
 162 100
 127 35.5 27.6 41.4
 164 30.6 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: 1.17 ng

RT: 9.51 min Scan# 645

Delta R.T. -0.01 min

Lab File: BF081939.D

Acq: 1 Oct 2015 15:08

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2015-01

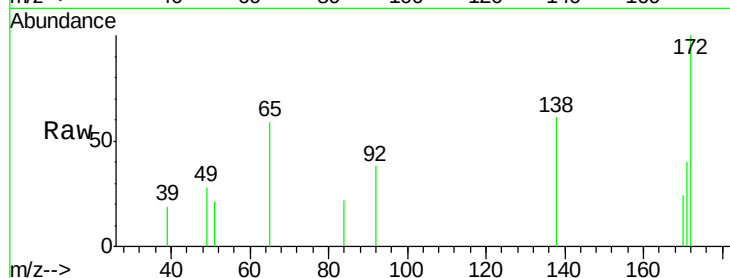
Tgt Ion: 65 Resp: 4606

Ion Ratio Lower Upper

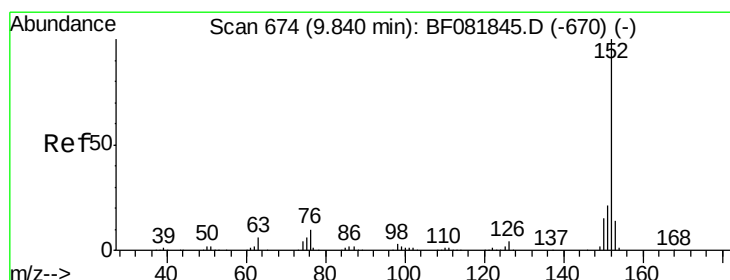
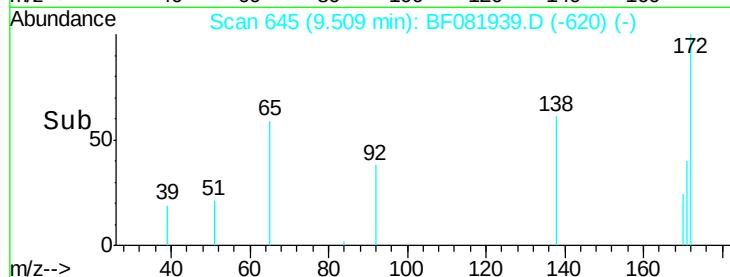
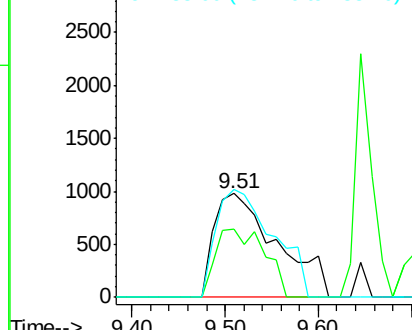
65 100

92 65.3 55.4 83.0

138 103.8 115.5 173.3#



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



#48

Acenaphthylene

Concen: 1.78 ng

RT: 9.79 min Scan# 670

Delta R.T. -0.05 min

Lab File: BF081939.D

Acq: 1 Oct 2015 15:08

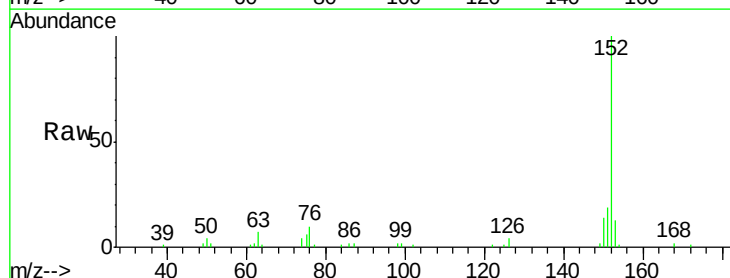
Tgt Ion: 152 Resp: 38218

Ion Ratio Lower Upper

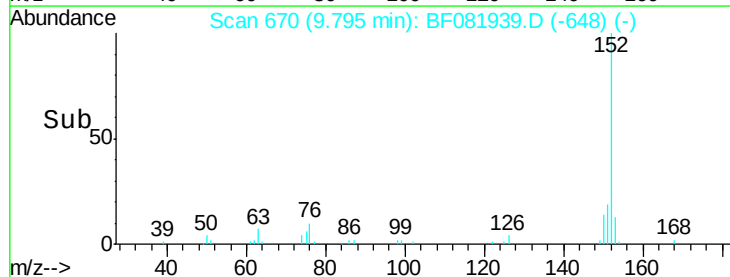
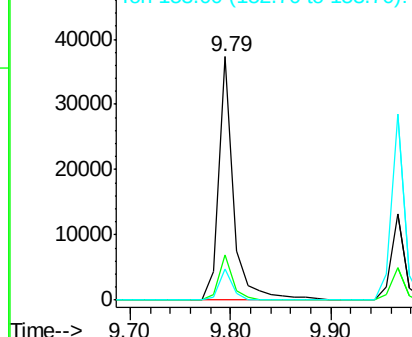
152 100

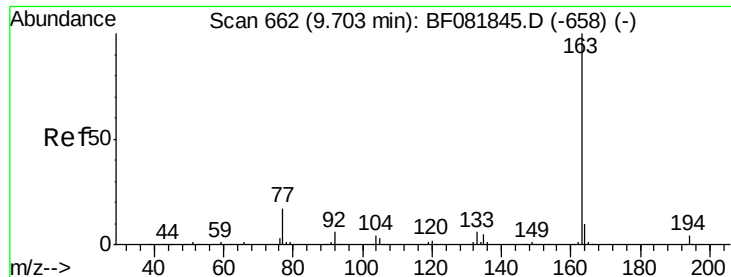
151 18.7 14.6 22.0

153 12.6 10.3 15.5



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





#49

Dimethylphthalate

Concen: 1.60 ng

RT: 9.65 min Scan# 657

Delta R.T. -0.06 min

Lab File: BF081939.D

Acq: 1 Oct 2015 15:08

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2015-01

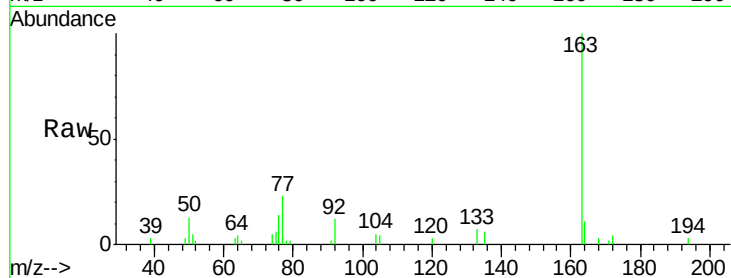
Tgt Ion:163 Resp: 24550

Ion Ratio Lower Upper

163 100

194 3.1 4.4 6.6#

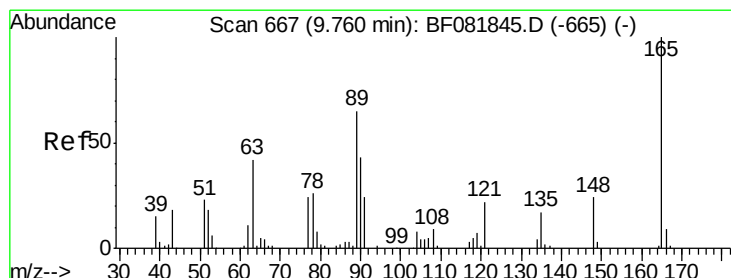
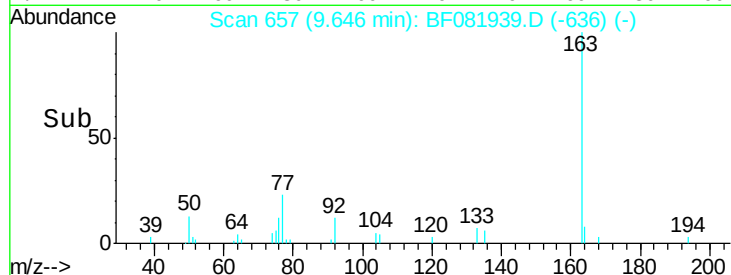
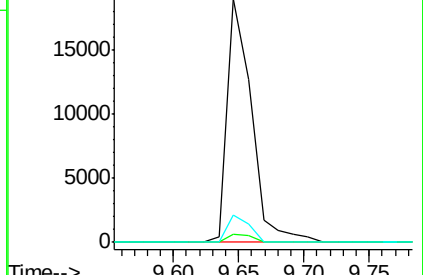
164 11.4 8.3 12.5



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: 1.17 ng

RT: 9.71 min Scan# 663

Delta R.T. -0.05 min

Lab File: BF081939.D

Acq: 1 Oct 2015 15:08

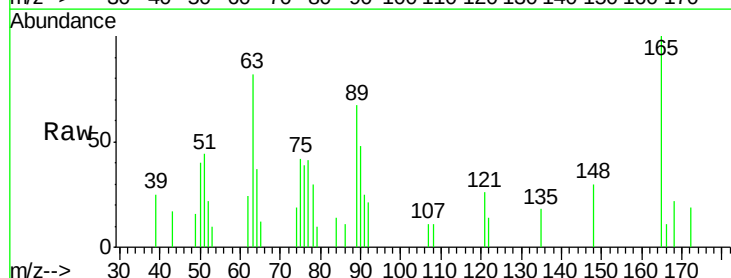
Tgt Ion:165 Resp: 3891

Ion Ratio Lower Upper

165 100

63 81.9 32.3 48.5#

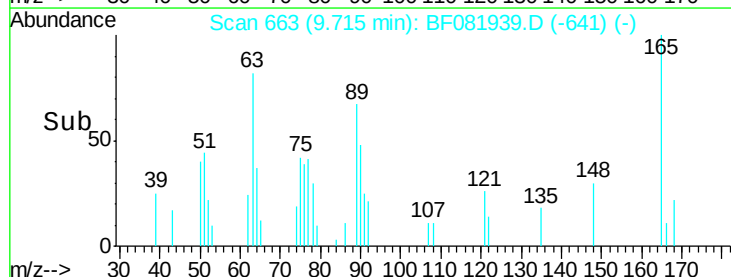
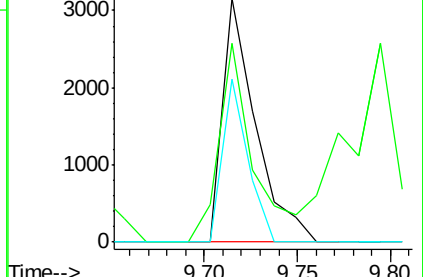
89 66.9 28.6 43.0#

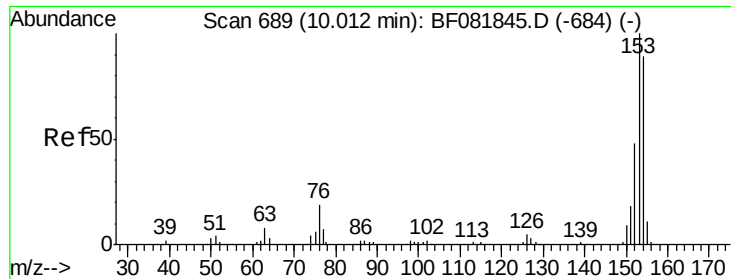


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

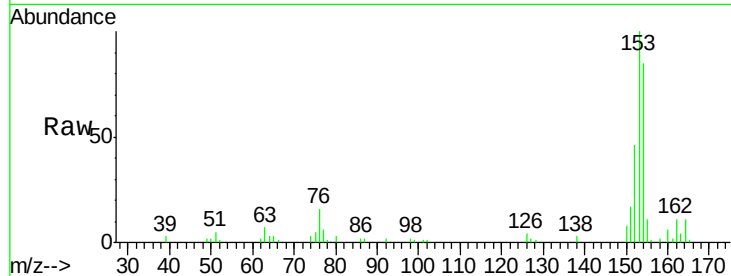




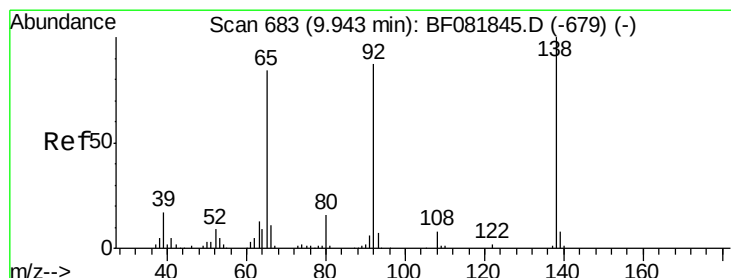
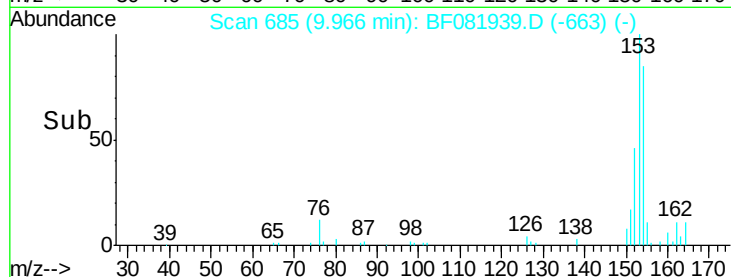
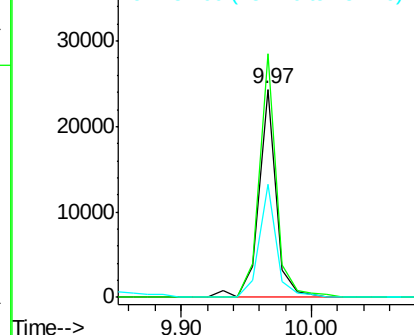
#51
Acenaphthene
Concen: 1.78 ng
RT: 9.97 min Scan# 685
Delta R.T. -0.05 min
Lab File: BF081939.D
Acq: 1 Oct 2015 15:08

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2015-01

Tgt Ion:154 Resp: 22675
Ion Ratio Lower Upper
154 100
153 117.0 82.1 123.1
152 54.2 37.9 56.9

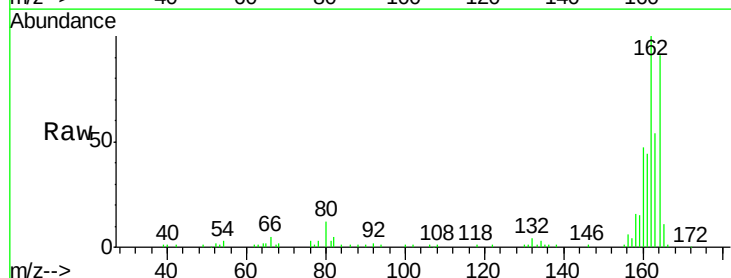


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

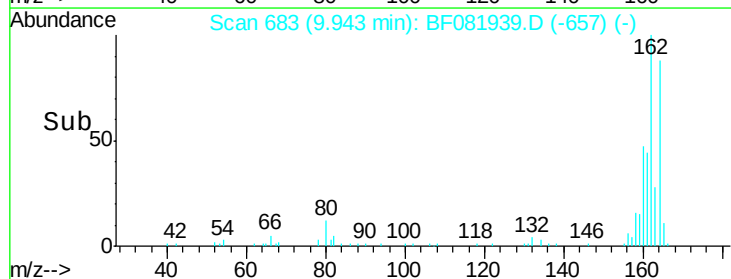
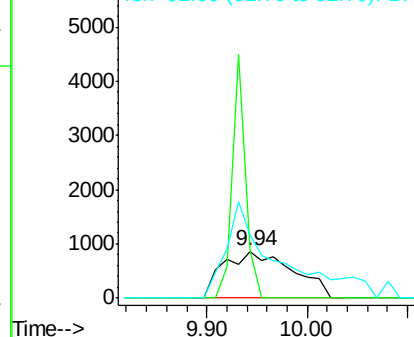


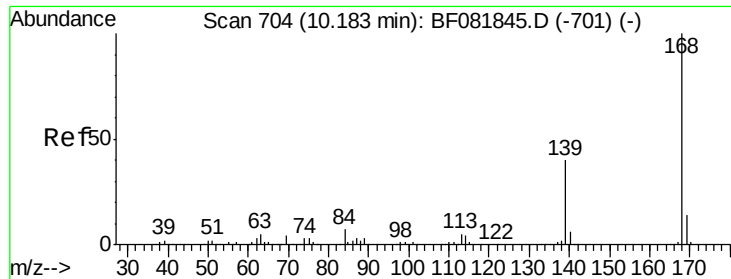
#52
3-Nitroaniline
Concen: 1.07 ng
RT: 9.94 min Scan# 683
Delta R.T. 0.00 min
Lab File: BF081939.D
Acq: 1 Oct 2015 15:08

Tgt Ion:138 Resp: 4119
Ion Ratio Lower Upper
138 100
108 102.7 5.7 8.5#
92 135.7 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

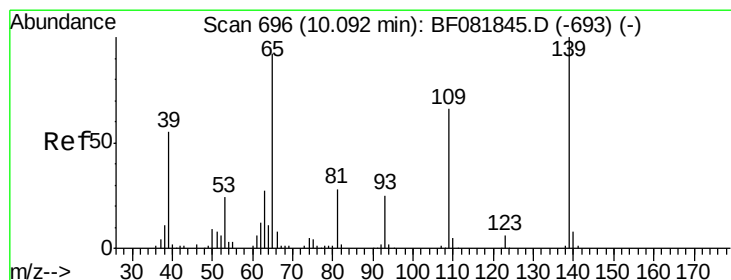
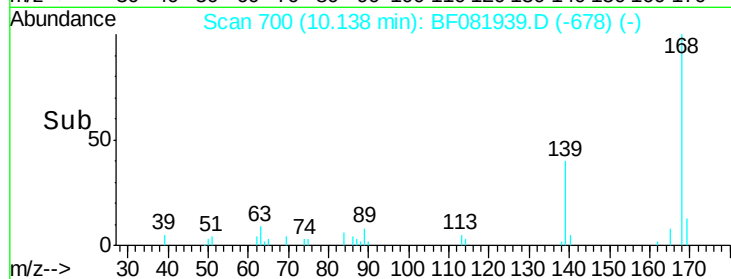
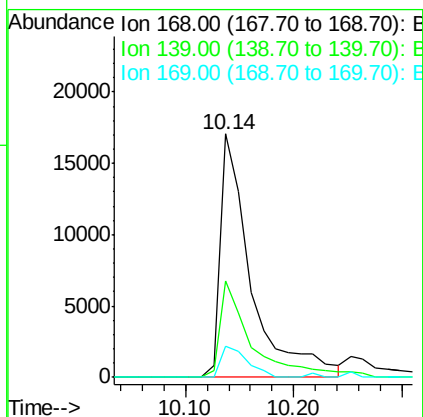
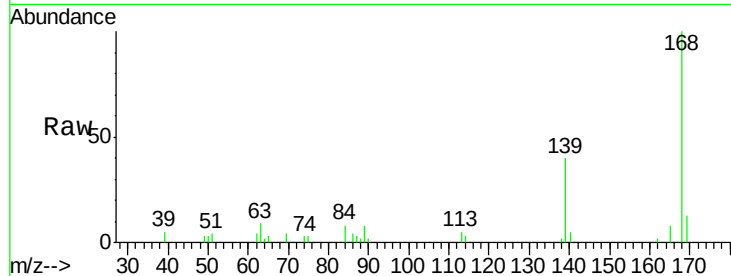




#54
Dibenzenofuran
Concen: 1.86 ng
RT: 10.14 min Scan# 700
Delta R.T. -0.05 min
Lab File: BF081939.D
Acq: 1 Oct 2015 15:08

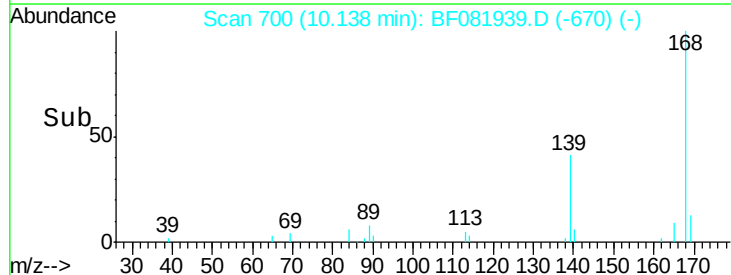
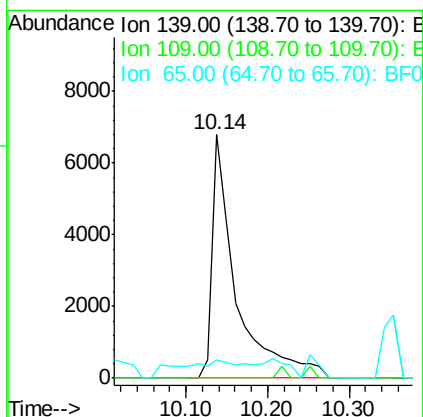
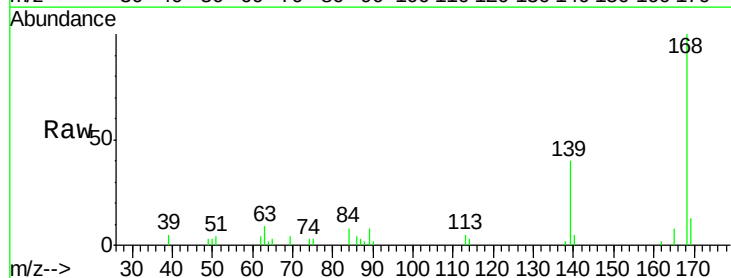
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2015-01

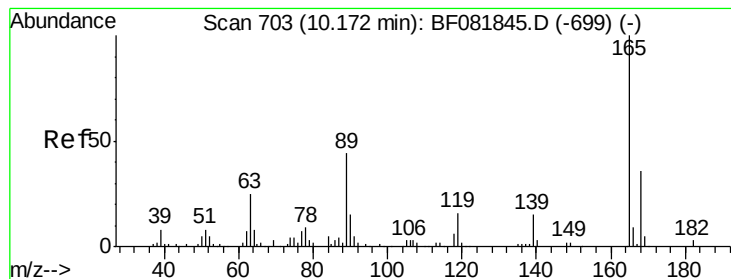
Tgt Ion:168 Resp: 33611
Ion Ratio Lower Upper
168 100
139 39.8 24.2 36.2#
169 12.8 10.6 15.8



#55
4-Nitrophenol
Concen: 4.99 ng
RT: 10.14 min Scan# 700
Delta R.T. 0.05 min
Lab File: BF081939.D
Acq: 1 Oct 2015 15:08

Tgt Ion:139 Resp: 13851
Ion Ratio Lower Upper
139 100
109 0.0 12.7 52.7#
65 7.8 45.9 85.9#





#56

2,4-Dinitrotoluene

Concen: 1.18 ng

RT: 10.13 min Scan# 699

Delta R.T. -0.05 min

Lab File: BF081939.D

Acq: 1 Oct 2015 15:08

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2015-01

Tgt Ion:165 Resp: 5016

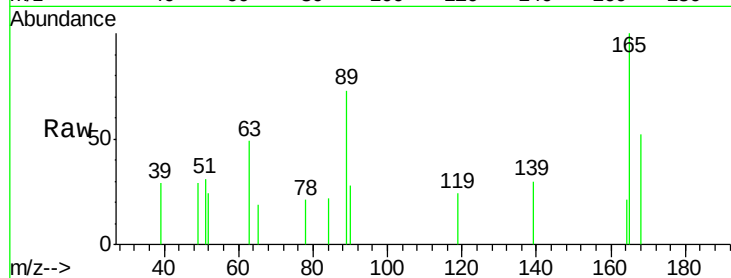
Ion Ratio Lower Upper

165 100

63 49.2 29.8 44.6#

89 72.9 44.5 66.7#

182 0.0 3.0 4.4#

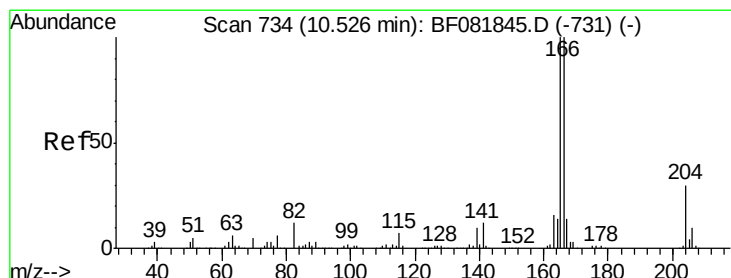
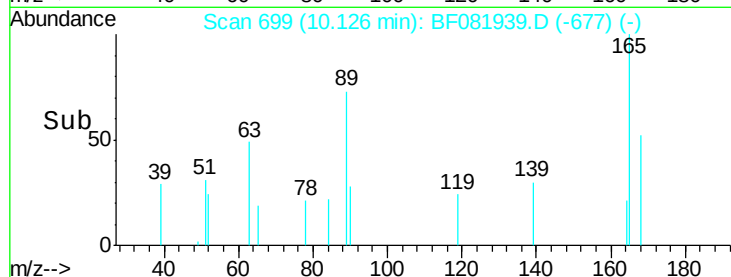
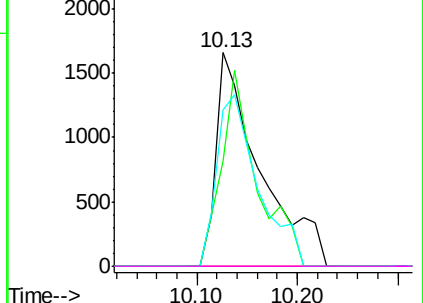


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#57

Fluorene

Concen: Below Cal

RT: 10.48 min Scan# 730

Delta R.T. -0.05 min

Lab File: BF081939.D

Acq: 1 Oct 2015 15:08

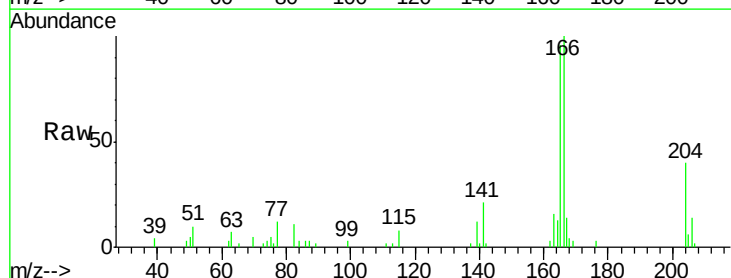
Tgt Ion:166 Resp: 26868

Ion Ratio Lower Upper

166 100

165 96.3 72.6 109.0

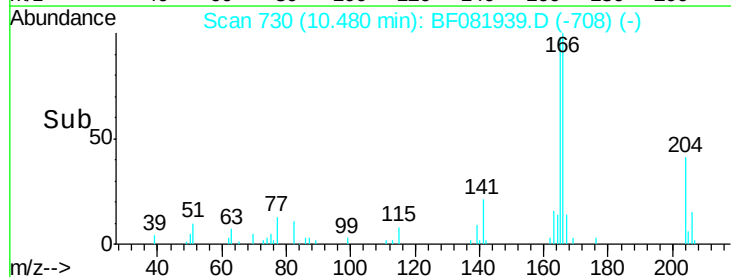
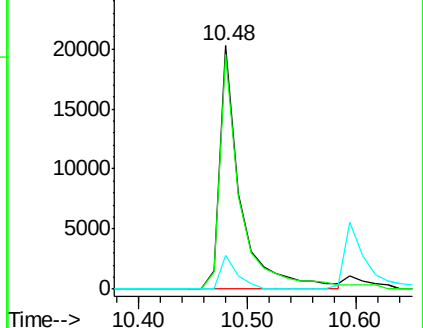
167 13.7 10.6 16.0

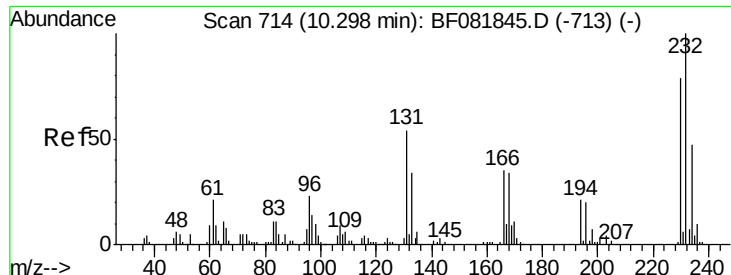


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

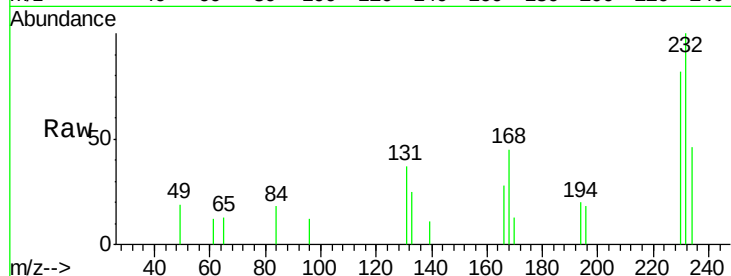




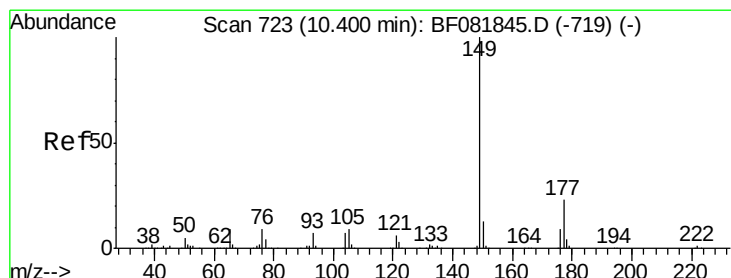
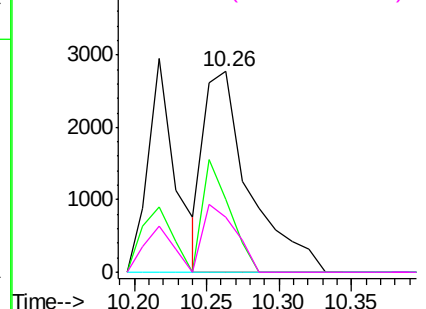
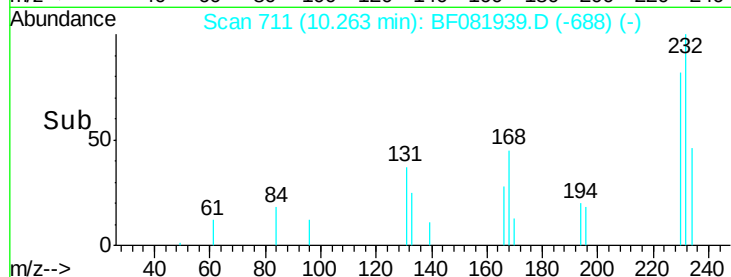
#58
 2,3,4,6-Tetrachlorophenol
 Concen: 1.59 ng
 RT: 10.26 min Scan# 711
 Delta R.T. -0.03 min
 Lab File: BF081939.D
 Acq: 1 Oct 2015 15:08

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2015-01

Tgt Ion: 232 Resp: 6070
 Ion Ratio Lower Upper
 232 100
 131 33.8 38.5 57.7#
 130 0.0 1.8 2.6#
 166 24.2 25.0 37.6#

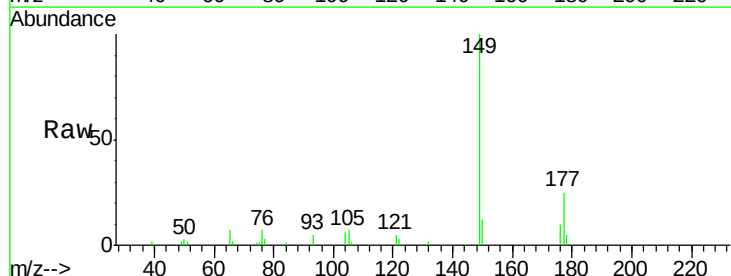


Abundance Ion 232.00 (231.70 to 232.70): E
 Ion 131.00 (130.70 to 131.70): E
 Ion 130.00 (129.70 to 130.70): E
 Ion 166.00 (165.70 to 166.70): E

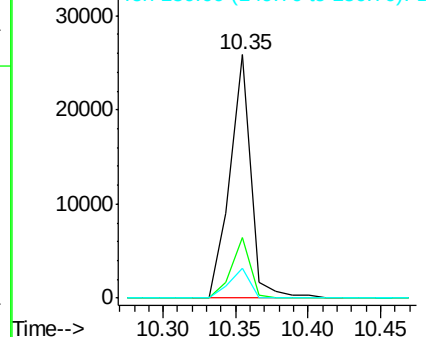
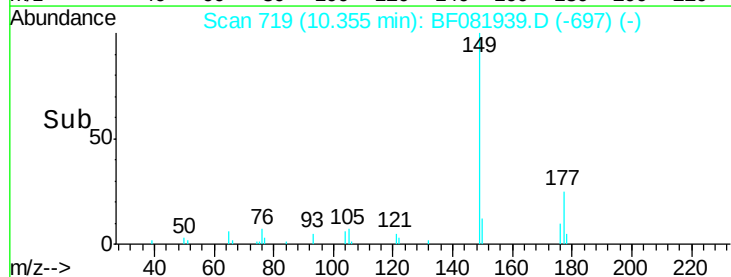


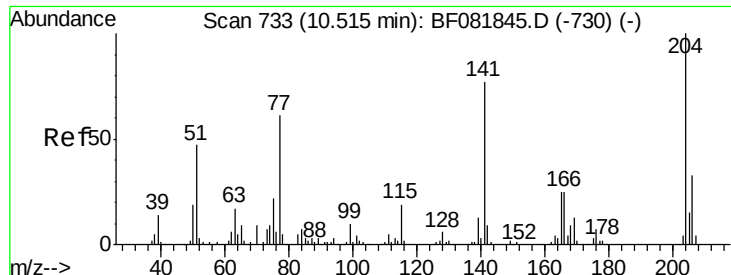
#59
 Diethylphthalate
 Concen: 1.82 ng
 RT: 10.35 min Scan# 719
 Delta R.T. -0.05 min
 Lab File: BF081939.D
 Acq: 1 Oct 2015 15:08

Tgt Ion: 149 Resp: 26015
 Ion Ratio Lower Upper
 149 100
 177 25.1 17.5 26.3
 150 12.3 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

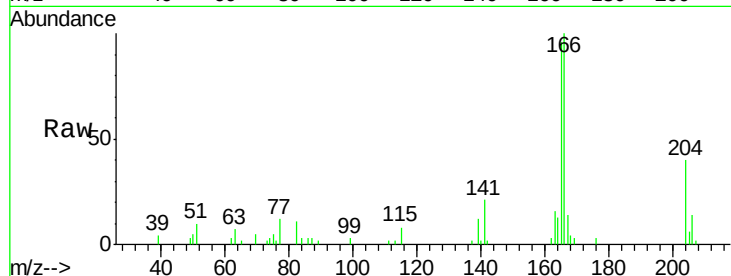




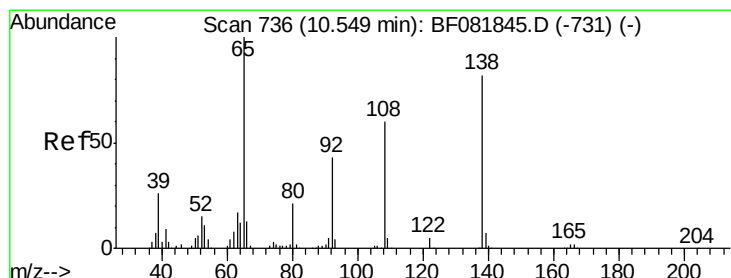
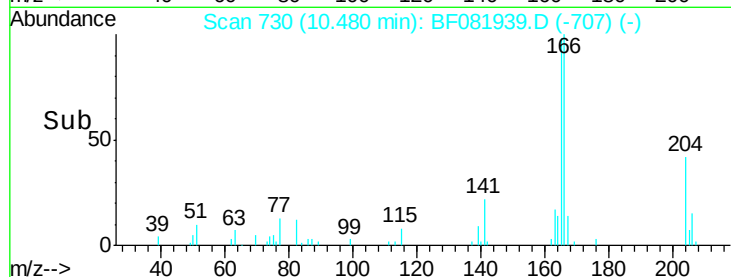
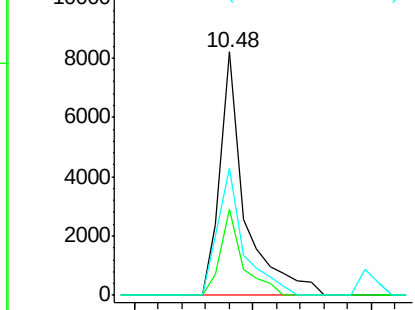
#60
 4-Chlorophenyl-phenylether
 Concen: 1.80 ng
 RT: 10.48 min Scan# 730
 Delta R.T. -0.03 min
 Lab File: BF081939.D
 Acq: 1 Oct 2015 15:08

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2015-01

Tgt Ion: 204 Resp: 11858
 Ion Ratio Lower Upper
 204 100
 206 35.6 24.8 37.2
 141 52.2 42.2 63.4

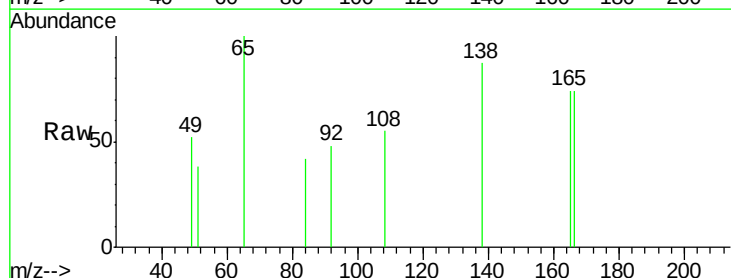


Abundance Ion 204.00 (203.70 to 204.70): E
 Ion 206.00 (205.70 to 206.70): E
 Ion 141.00 (140.70 to 141.70): E

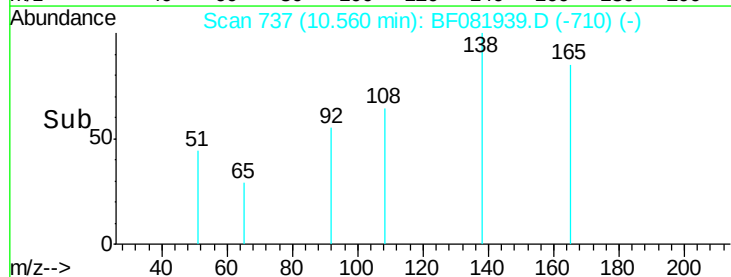
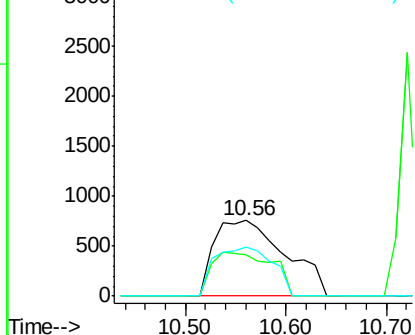


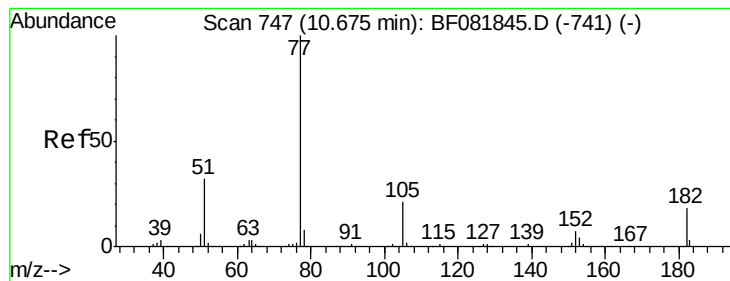
#61
 4-Nitroaniline
 Concen: 0.96 ng
 RT: 10.56 min Scan# 737
 Delta R.T. 0.01 min
 Lab File: BF081939.D
 Acq: 1 Oct 2015 15:08

Tgt Ion: 138 Resp: 3718
 Ion Ratio Lower Upper
 138 100
 92 55.4 12.6 52.6#
 108 64.1 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: 1.75 ng

RT: 10.64 min Scan# 744

Delta R.T. -0.03 min

Lab File: BF081939.D

Acq: 1 Oct 2015 15:08

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2015-01

Tgt Ion: 77 Resp: 24372

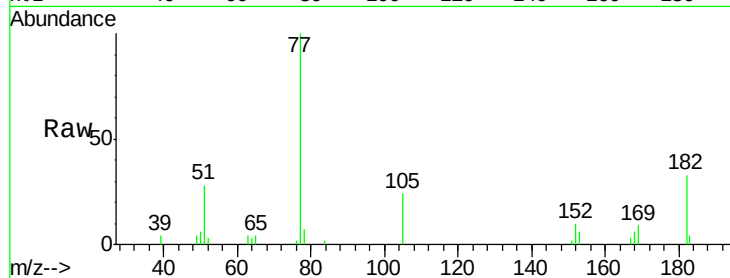
Ion Ratio Lower Upper

77 100

182 32.7 15.1 55.1

105 23.7 3.4 43.4

51 27.7 12.0 52.0

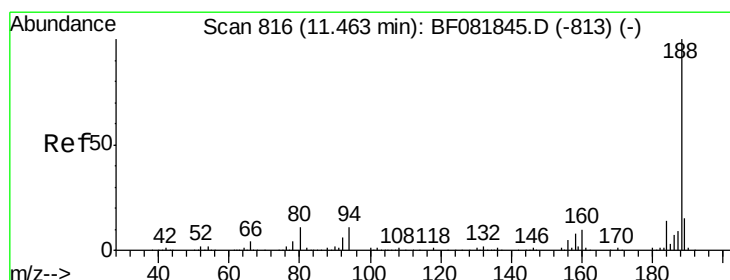
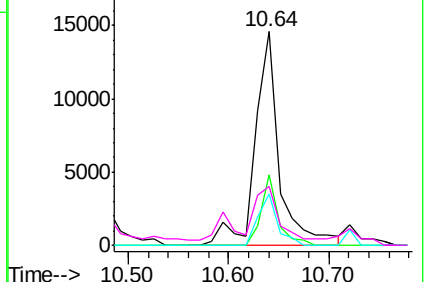
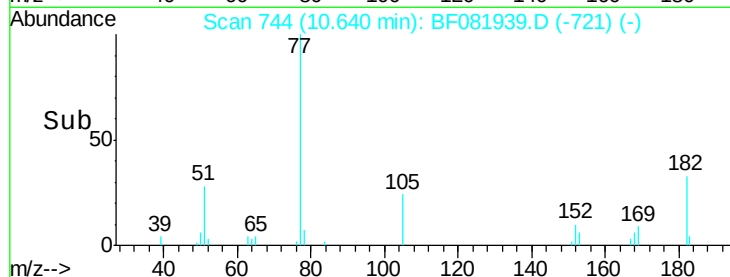


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.42 min Scan# 812

Delta R.T. -0.05 min

Lab File: BF081939.D

Acq: 1 Oct 2015 15:08

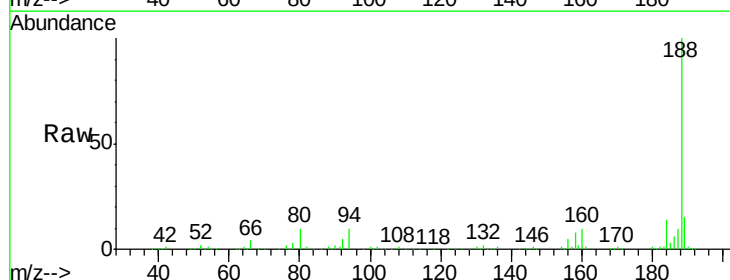
Tgt Ion: 188 Resp: 463700

Ion Ratio Lower Upper

188 100

94 9.7 11.1 16.7#

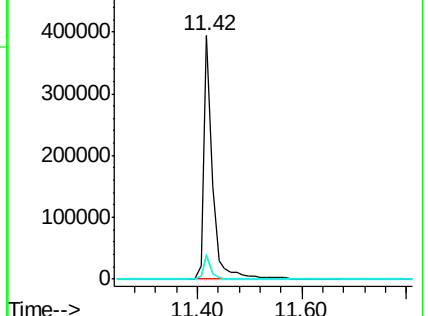
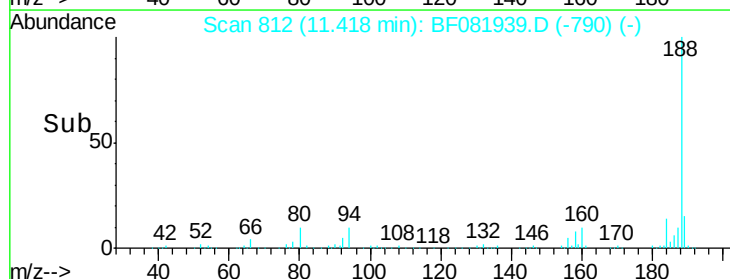
80 10.4 11.0 16.4#

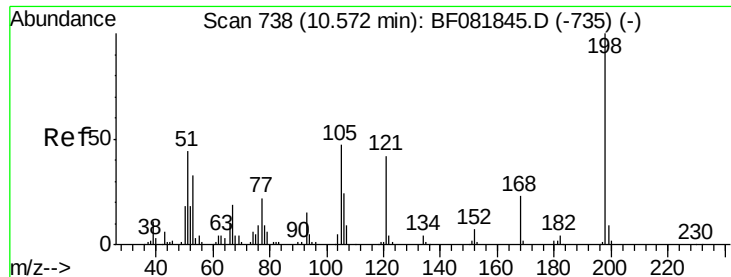


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#64

4,6-Dinitro-2-methylphenol

Concen: 1.33 ng

RT: 10.53 min Scan# 734

Delta R.T. -0.04 min

Lab File: BF081939.D

Acq: 1 Oct 2015 15:08

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2015-01

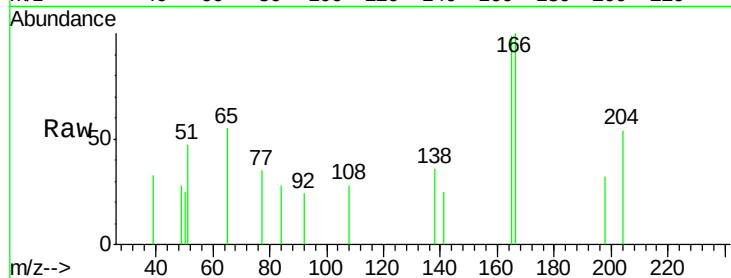
Tgt Ion:198 Resp: 296

Ion Ratio Lower Upper

198 100

51 148.5 39.6 79.6#

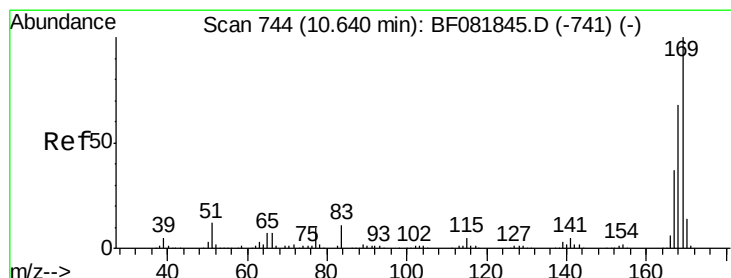
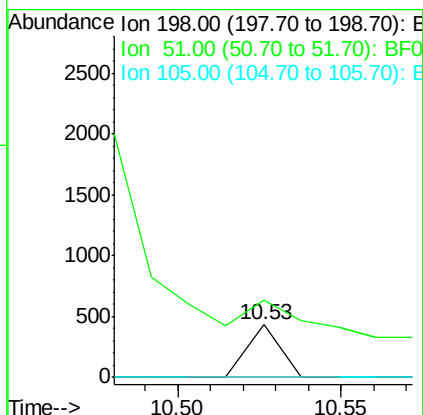
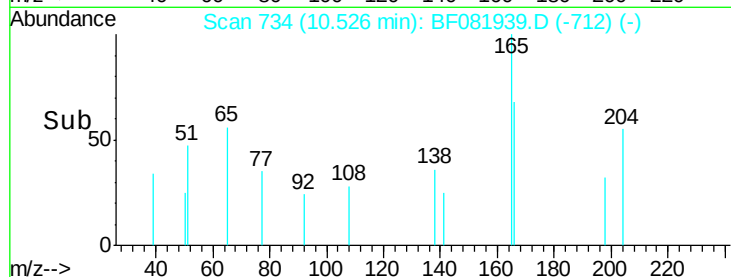
105 0.0 28.5 68.5#



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: 1.59 ng

RT: 10.59 min Scan# 740

Delta R.T. -0.05 min

Lab File: BF081939.D

Acq: 1 Oct 2015 15:08

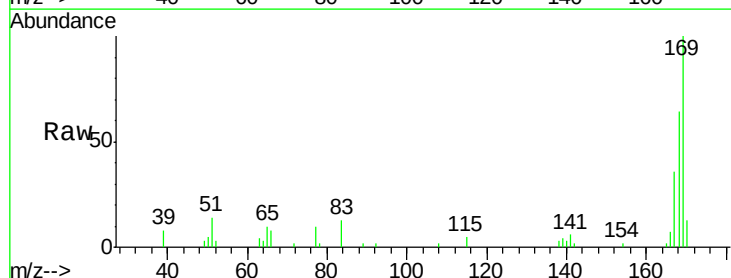
Tgt Ion:169 Resp: 22283

Ion Ratio Lower Upper

169 100

168 63.9 48.9 73.3

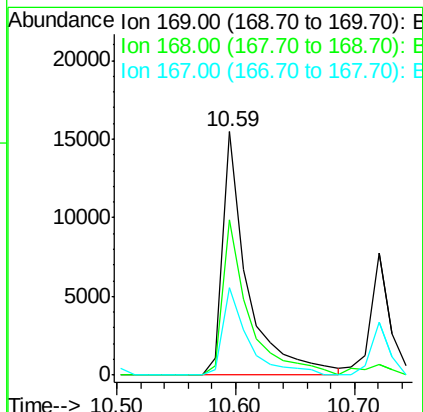
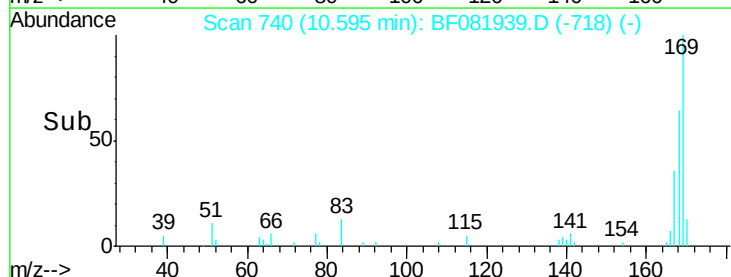
167 36.0 26.2 39.4

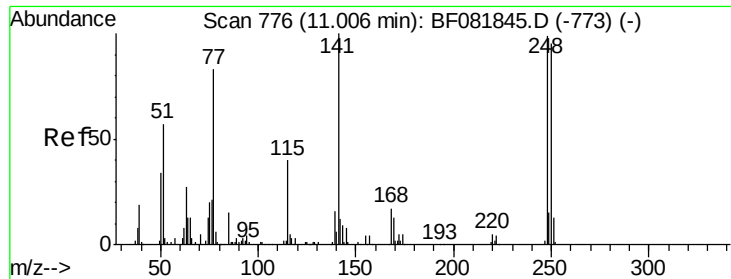


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

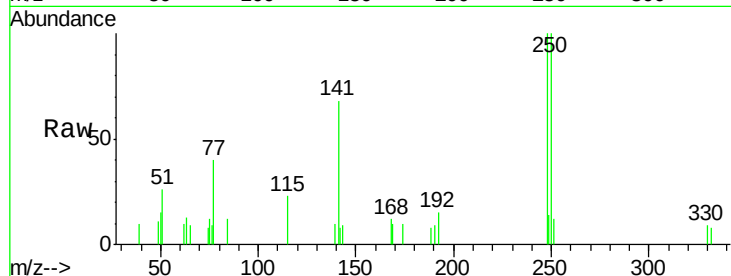




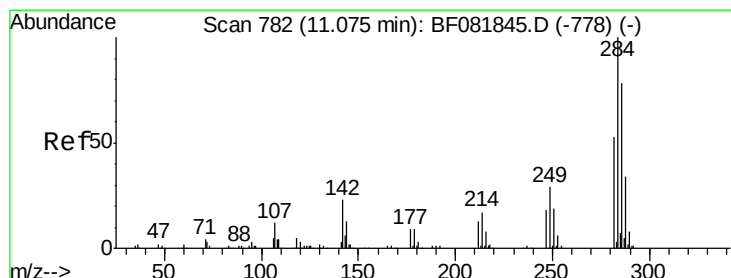
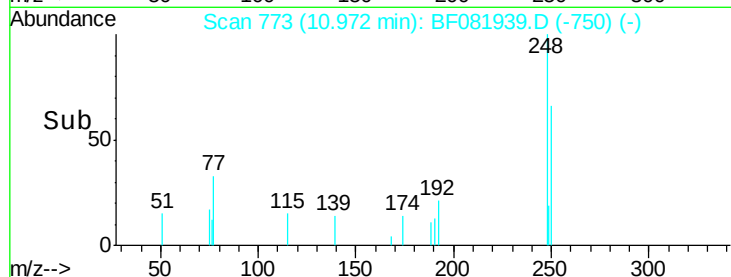
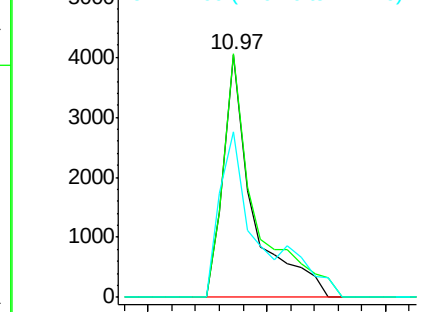
#66
4-Bromophenyl-phenylether
Concen: 1.49 ng
RT: 10.97 min Scan# 773
Delta R.T. -0.03 min
Lab File: BF081939.D
Acq: 1 Oct 2015 15:08

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2015-01

Tgt Ion:248 Resp: 6967
Ion Ratio Lower Upper
248 100
250 100.3 78.5 117.7
141 68.2 59.0 88.6

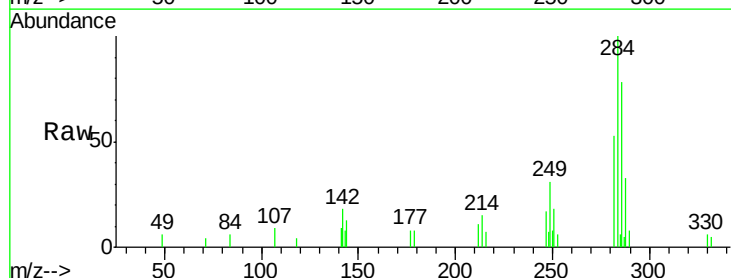


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

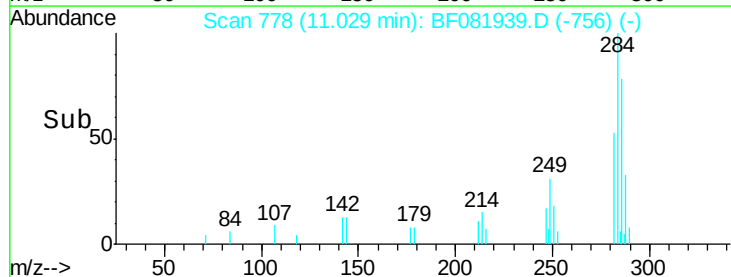
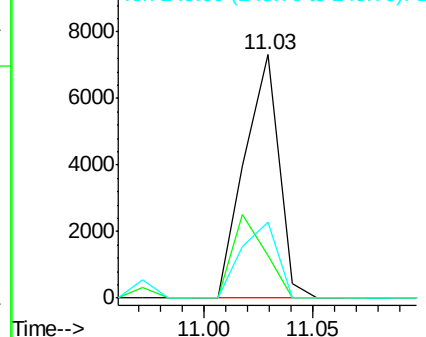


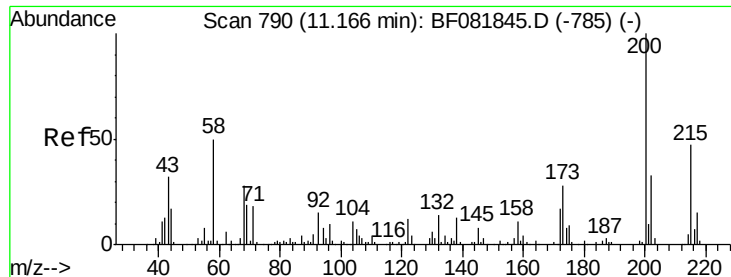
#67
Hexachlorobenzene
Concen: 1.52 ng
RT: 11.03 min Scan# 778
Delta R.T. -0.05 min
Lab File: BF081939.D
Acq: 1 Oct 2015 15:08

Tgt Ion:284 Resp: 8025
Ion Ratio Lower Upper
284 100
142 17.5 29.5 44.3#
249 31.4 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: 1.33 ng

RT: 11.12 min Scan# 786

Delta R.T. -0.05 min

Lab File: BF081939.D

Acq: 1 Oct 2015 15:08

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2015-01

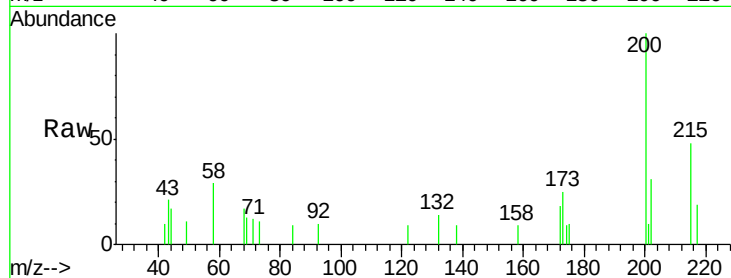
Tgt Ion:200 Resp: 5797

Ion Ratio Lower Upper

200 100

173 25.3 13.2 53.2

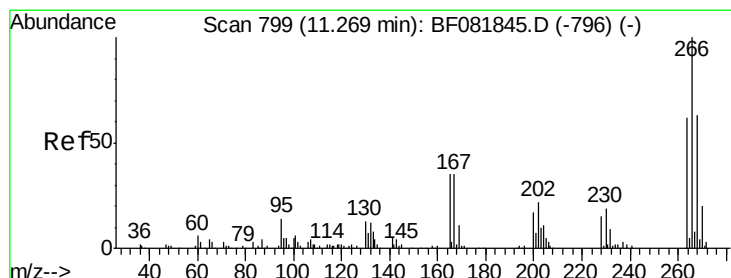
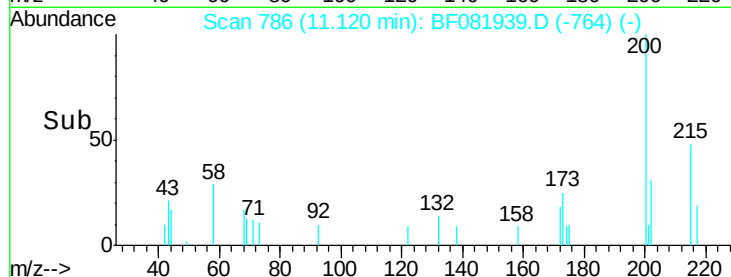
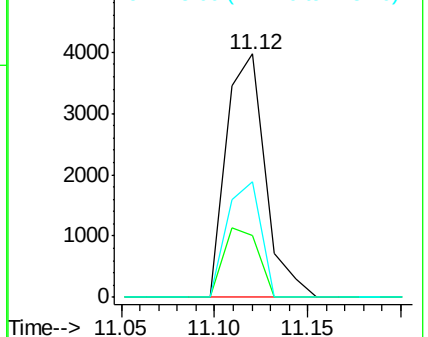
215 47.7 41.8 81.8



Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#69

Pentachlorophenol

Concen: 0.53 ng

RT: 11.22 min Scan# 795

Delta R.T. -0.05 min

Lab File: BF081939.D

Acq: 1 Oct 2015 15:08

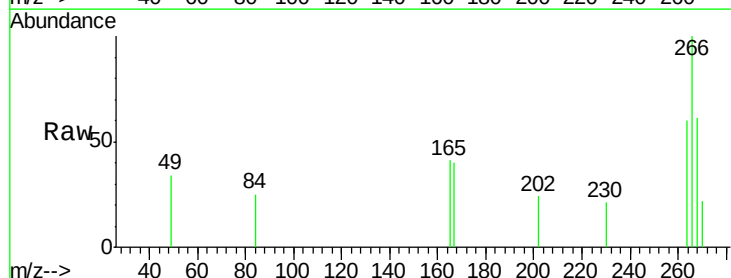
Tgt Ion:266 Resp: 1593

Ion Ratio Lower Upper

266 100

268 60.9 49.8 74.6

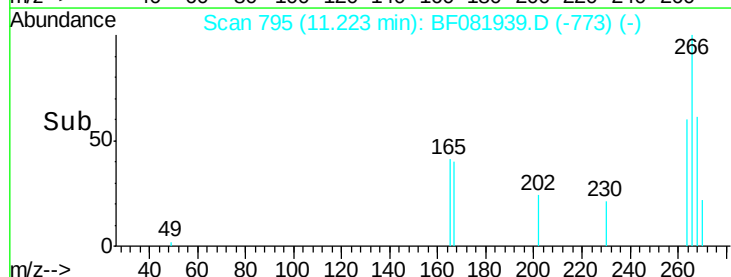
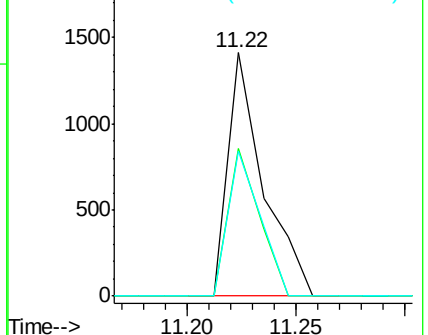
264 59.7 50.2 75.2

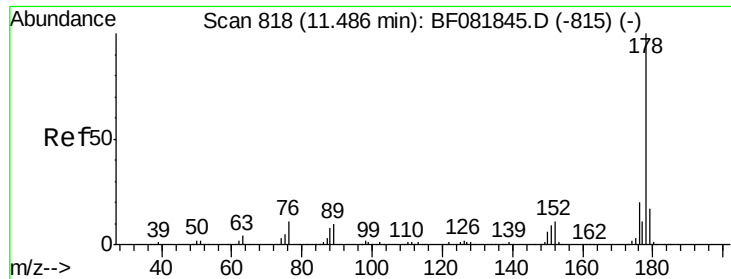


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

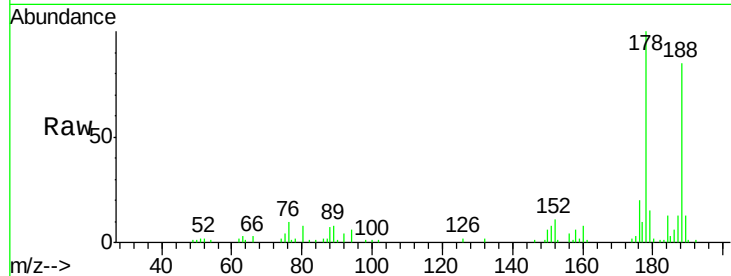




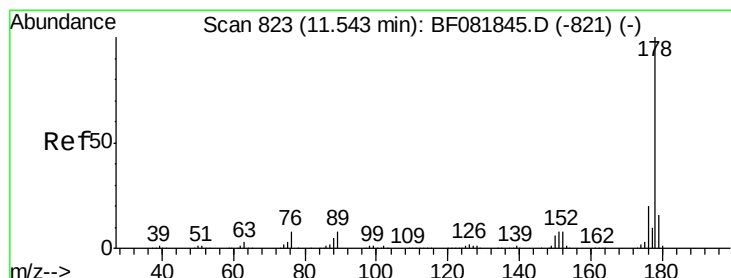
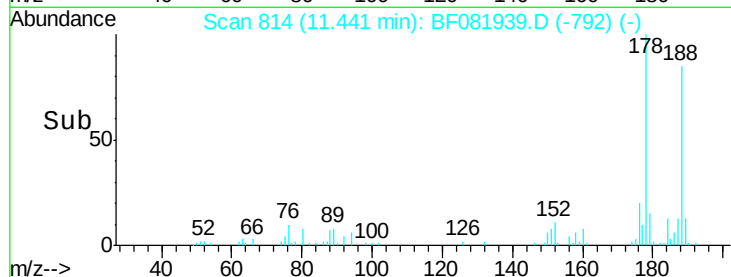
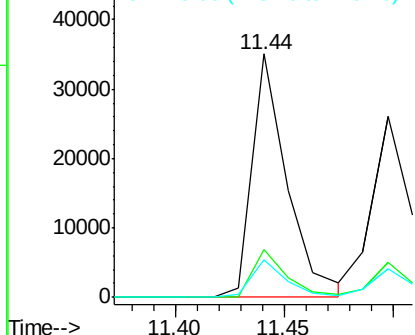
#70
Phenanthrene
Concen: 0.10 ng
RT: 11.44 min Scan# 814
Delta R.T. -0.05 min
Lab File: BF081939.D
Acq: 1 Oct 2015 15:08

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2015-01

Tgt Ion:178 Resp: 39334
Ion Ratio Lower Upper
178 100
176 19.7 13.8 20.8
179 15.4 12.2 18.2

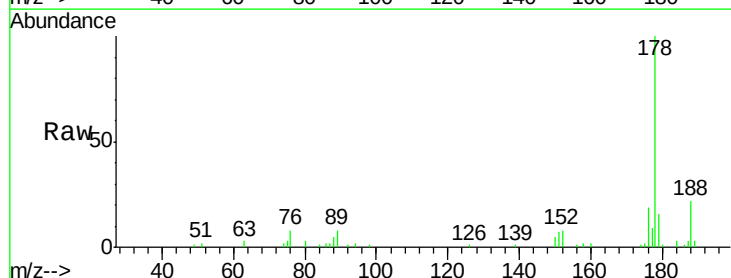


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

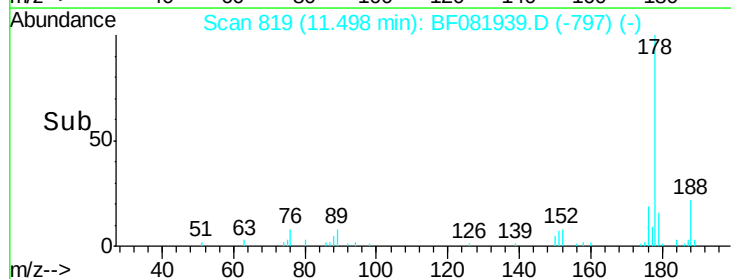
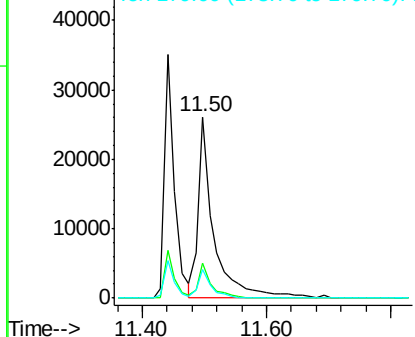


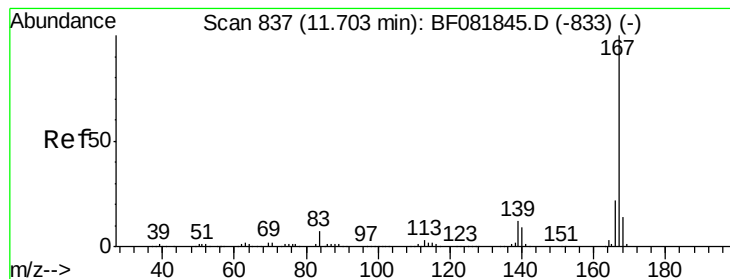
#71
Anthracene
Concen: 1.95 ng
RT: 11.50 min Scan# 819
Delta R.T. -0.05 min
Lab File: BF081939.D
Acq: 1 Oct 2015 15:08

Tgt Ion:178 Resp: 46069
Ion Ratio Lower Upper
178 100
176 19.5 14.1 21.1
179 15.9 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: 1.62 ng

RT: 11.67 min Scan# 834

Delta R.T. -0.03 min

Lab File: BF081939.D

Acq: 1 Oct 2015 15:08

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2015-01

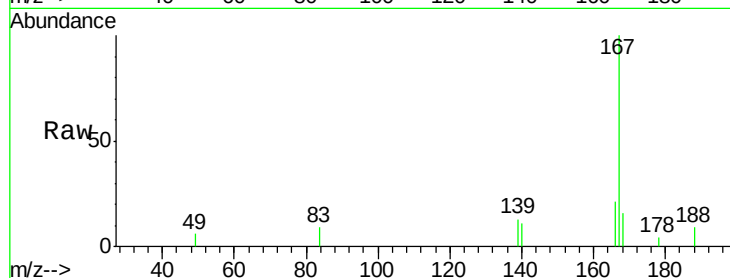
Tgt Ion:167 Resp: 34564

Ion Ratio Lower Upper

167 100

166 21.3 15.7 23.5

139 12.9 9.5 14.3



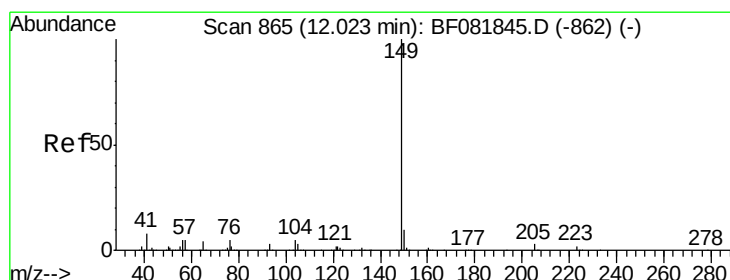
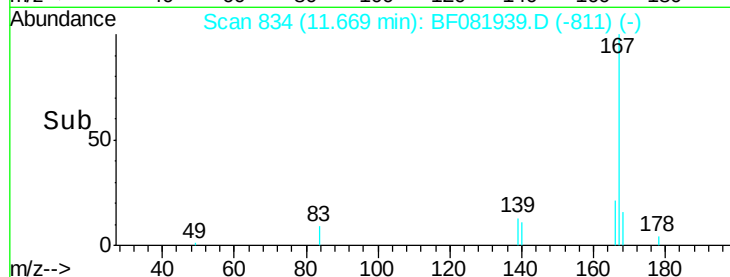
Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

11.67

Time-->



#73

Di-n-butylphthalate

Concen: 0.58 ng

RT: 11.98 min Scan# 861

Delta R.T. -0.05 min

Lab File: BF081939.D

Acq: 1 Oct 2015 15:08

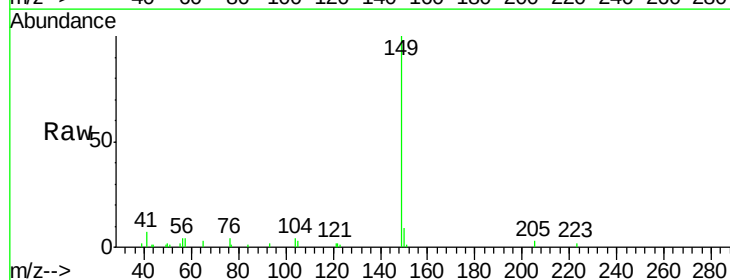
Tgt Ion:149 Resp: 41511

Ion Ratio Lower Upper

149 100

150 9.1 7.4 11.2

104 4.3 2.4 3.6#



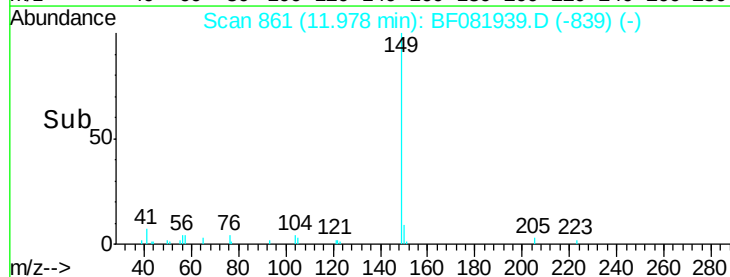
Abundance Ion 149.00 (148.70 to 149.70): E

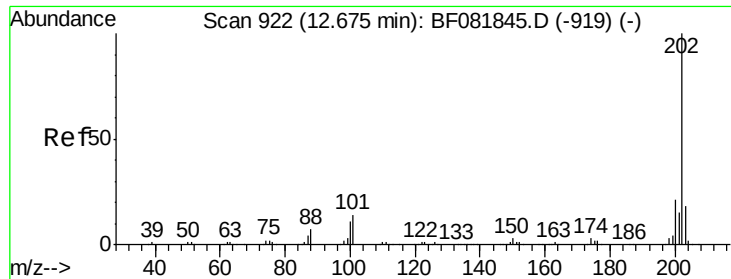
Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

11.98

Time-->

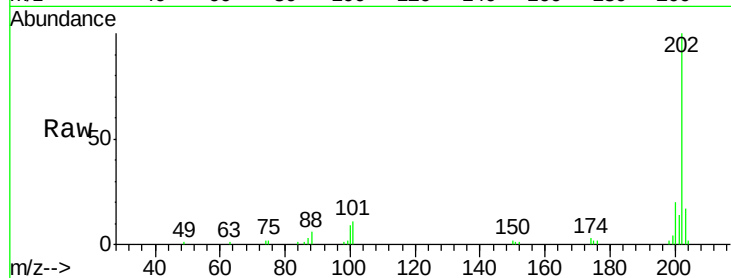




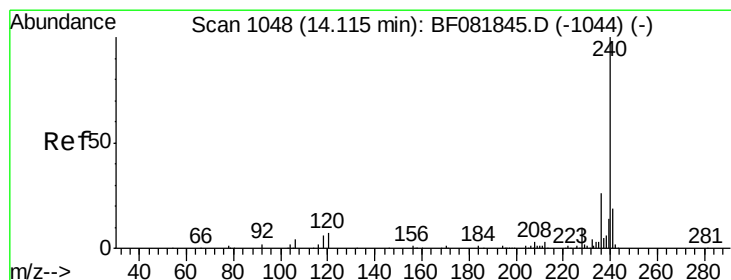
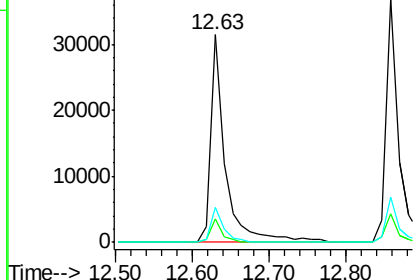
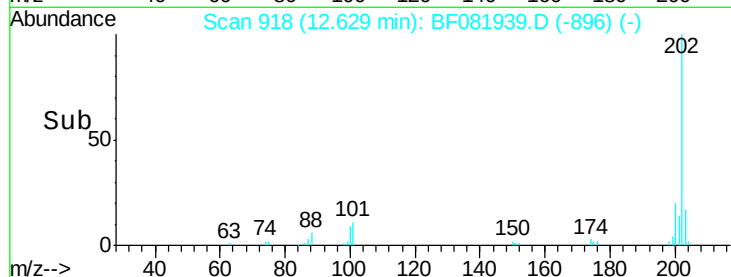
#74
 Fluoranthene
 Concen: 1.66 ng
 RT: 12.63 min Scan# 918
 Delta R.T. -0.05 min
 Lab File: BF081939.D
 Acq: 1 Oct 2015 15:08

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2015-01

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.1	0.0	38.3
203	16.9	0.0	37.3

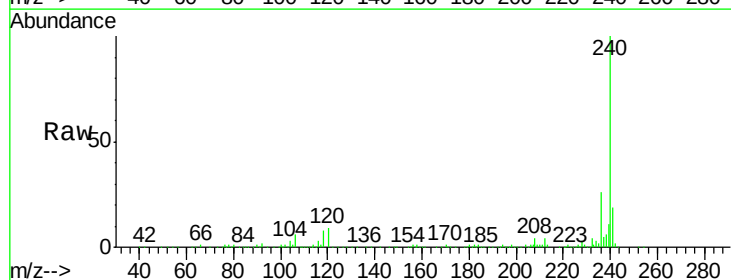


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

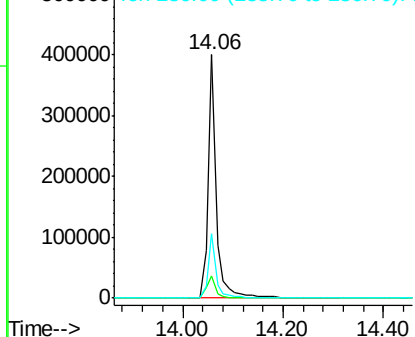
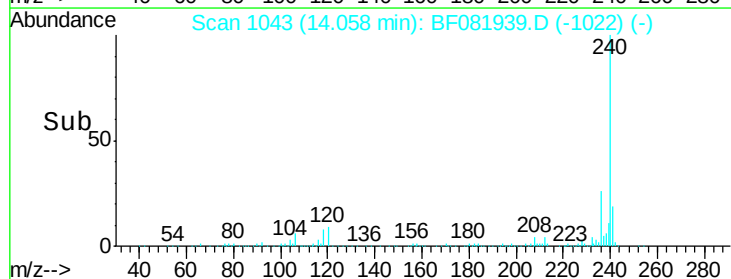


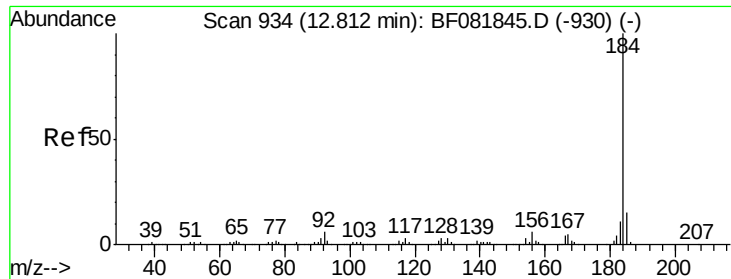
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.06 min Scan# 1043
 Delta R.T. -0.06 min
 Lab File: BF081939.D
 Acq: 1 Oct 2015 15:08

Tgt Ion	Ratio	Lower	Upper
240	100		
120	8.9	16.2	24.2#
236	26.3	18.4	27.6



Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E





#76

Benzidine

Concen: 0.42 ng

RT: 12.82 min Scan# 935

Delta R.T. 0.01 min

Lab File: BF081939.D

Acq: 1 Oct 2015 15:08

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2015-01

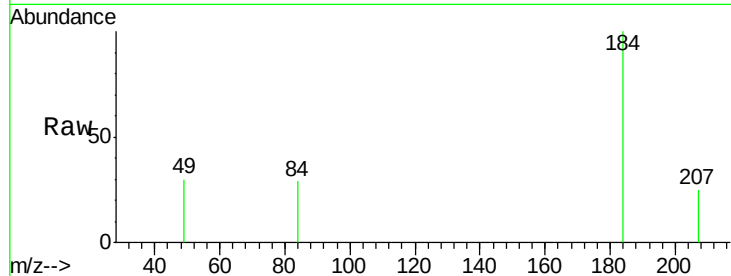
Tgt Ion:184 Resp: 5675

Ion Ratio Lower Upper

184 100

185 0.0 11.8 17.6#

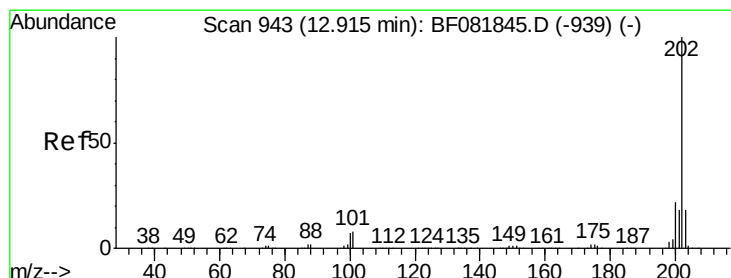
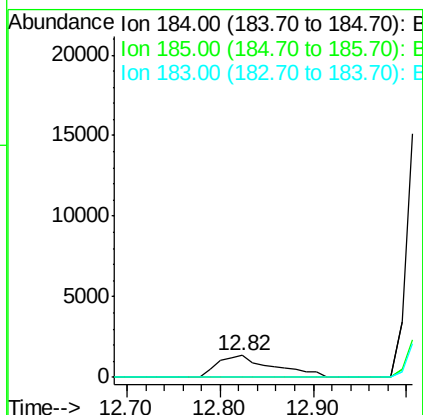
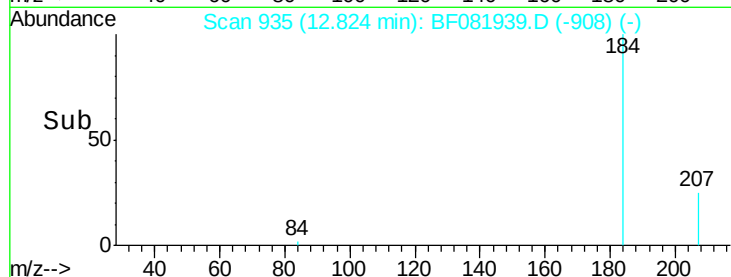
183 0.0 7.6 11.4#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#77

Pyrene

Concen: 1.64 ng

RT: 12.86 min Scan# 938

Delta R.T. -0.06 min

Lab File: BF081939.D

Acq: 1 Oct 2015 15:08

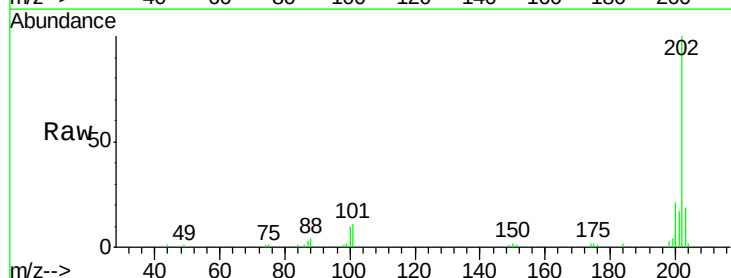
Tgt Ion:202 Resp: 44468

Ion Ratio Lower Upper

202 100

200 21.2 15.0 22.4

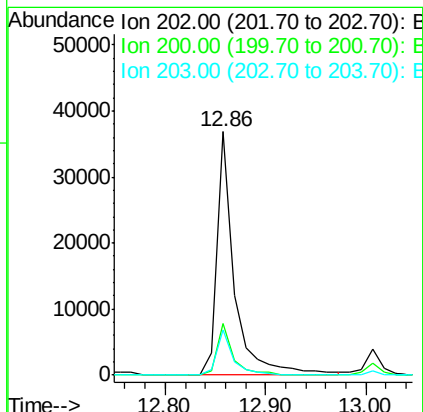
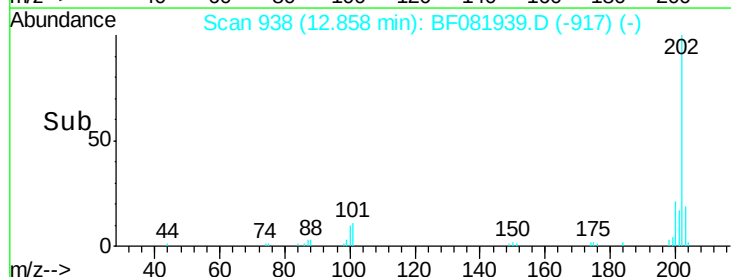
203 18.5 14.1 21.1

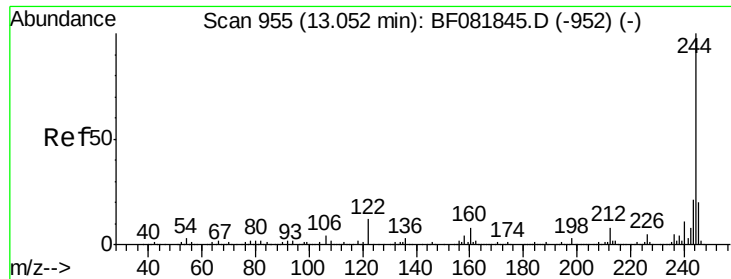


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

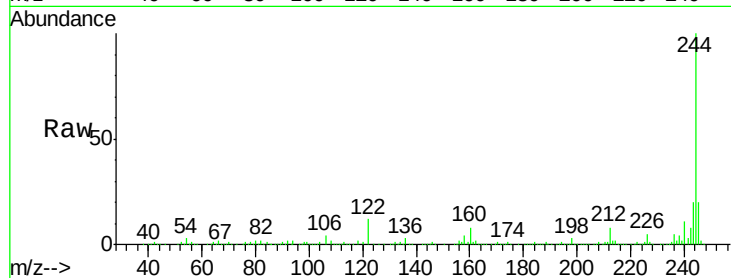




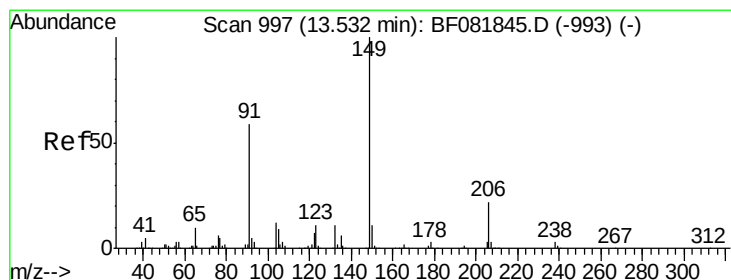
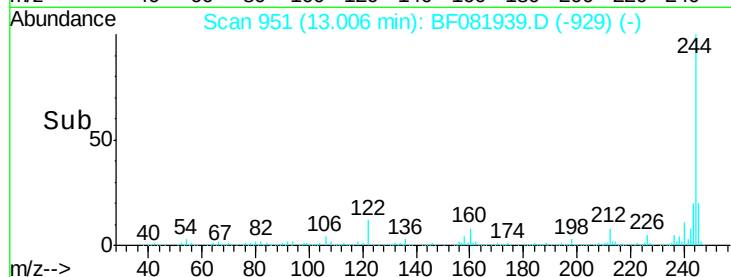
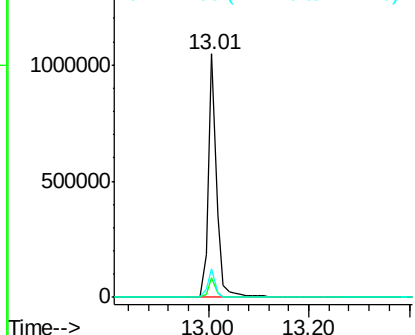
#78
 Terphenyl-d14
 Concen: 85.54 ng
 RT: 13.01 min Scan# 951
 Delta R.T. -0.05 min
 Lab File: BF081939.D
 Acq: 1 Oct 2015 15:08

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2015-01

Tgt Ion:244 Resp: 1196327
 Ion Ratio Lower Upper
 244 100
 212 7.9 4.3 6.5#
 122 11.7 17.4 26.2#

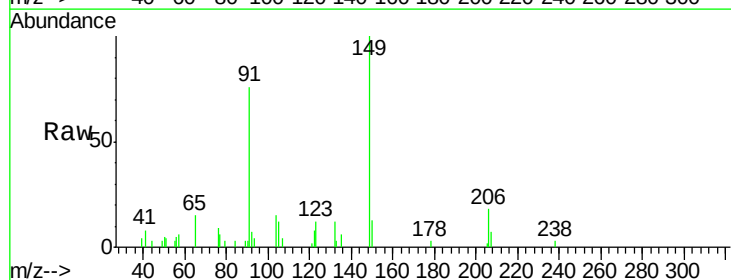


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

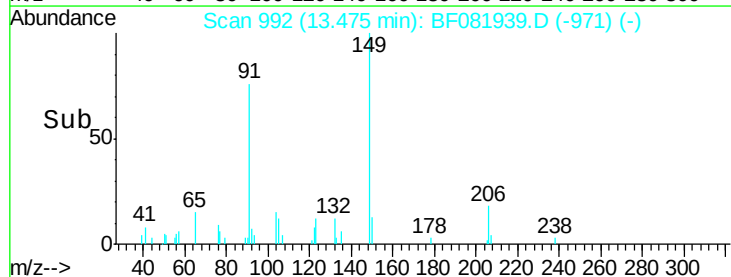
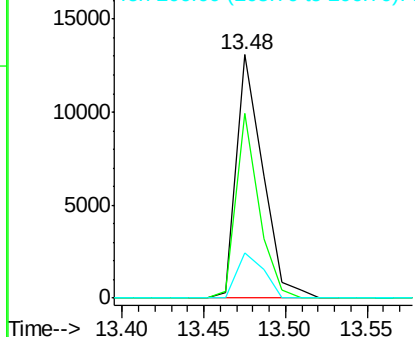


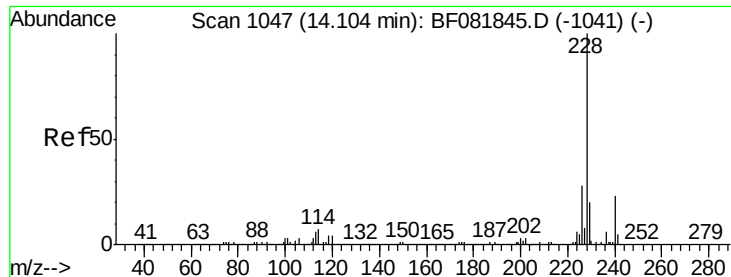
#79
 Butylbenzylphthalate
 Concen: 1.44 ng
 RT: 13.48 min Scan# 992
 Delta R.T. -0.06 min
 Lab File: BF081939.D
 Acq: 1 Oct 2015 15:08

Tgt Ion:149 Resp: 14607
 Ion Ratio Lower Upper
 149 100
 91 76.0 48.6 72.8#
 206 18.4 14.9 22.3



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 91.00 (90.70 to 91.70): BF0
 Ion 206.00 (205.70 to 206.70): E





#80

Benzo(a)anthracene

Concen: 1.64 ng

RT: 14.05 min Scan# 1042

Delta R.T. -0.06 min

Lab File: BF081939.D

Acq: 1 Oct 2015 15:08

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2015-01

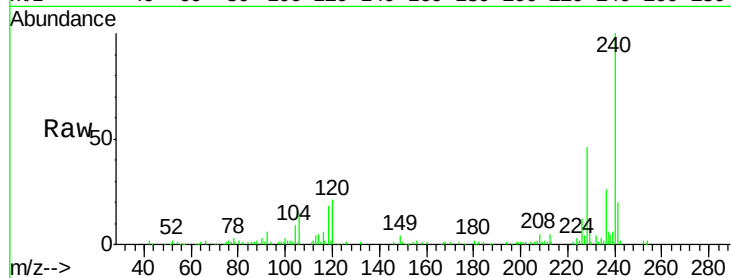
Tgt Ion:228 Resp: 40074

Ion Ratio Lower Upper

228 100

226 26.6 20.0 30.0

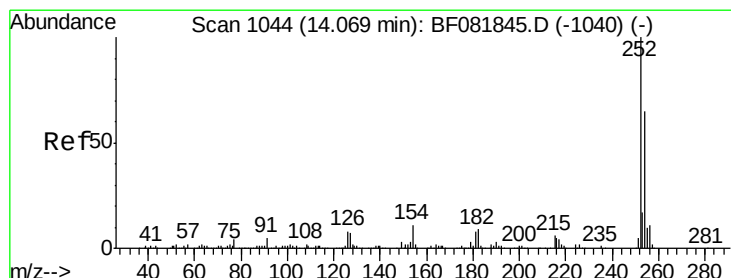
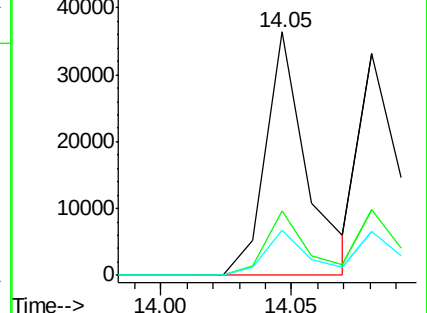
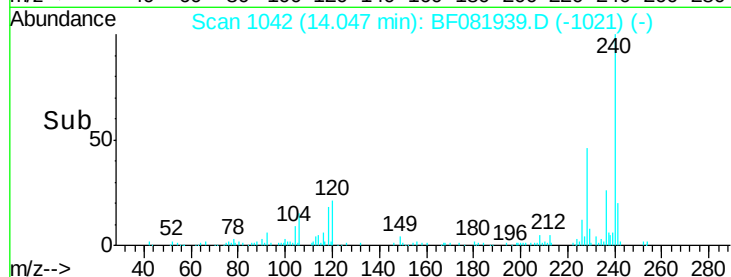
229 18.5 15.4 23.2



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



#81

3,3'-Dichlorobenzidine

Concen: 1.18 ng

RT: 14.02 min Scan# 1040

Delta R.T. -0.05 min

Lab File: BF081939.D

Acq: 1 Oct 2015 15:08

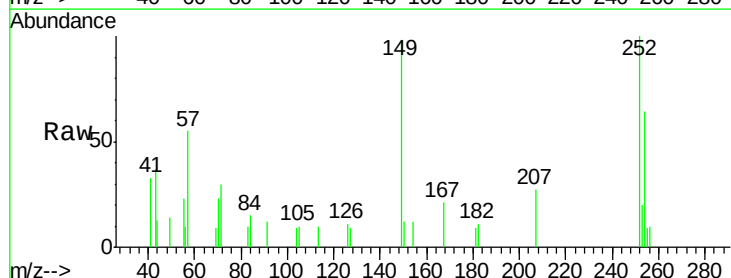
Tgt Ion:252 Resp: 9726

Ion Ratio Lower Upper

252 100

254 64.0 51.4 77.2

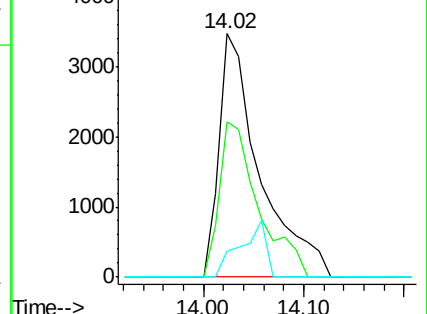
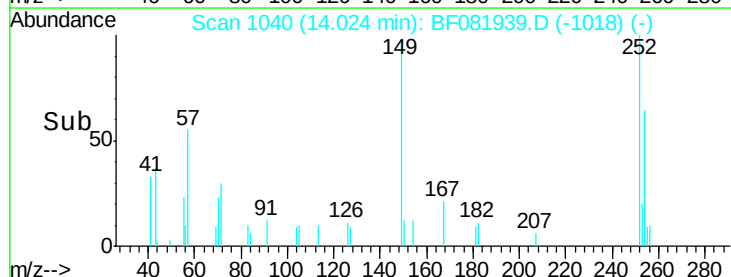
126 10.6 16.4 24.6#

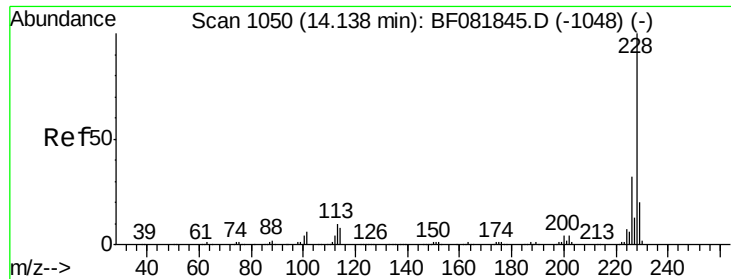


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#82

Chrysene

Concen: 2.21 ng

RT: 14.08 min Scan# 1045

Delta R.T. -0.06 min

Lab File: BF081939.D

Acq: 1 Oct 2015 15:08

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2015-01

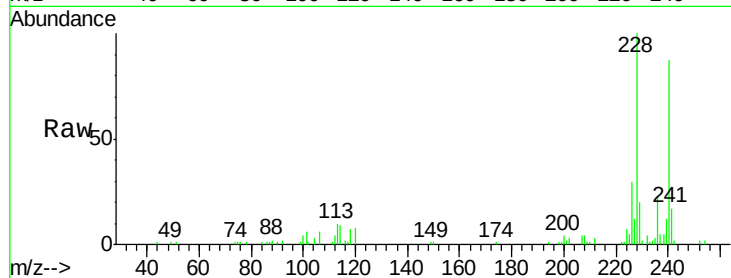
Tgt Ion:228 Resp: 42535

Ion Ratio Lower Upper

228 100

226 29.9 21.0 31.4

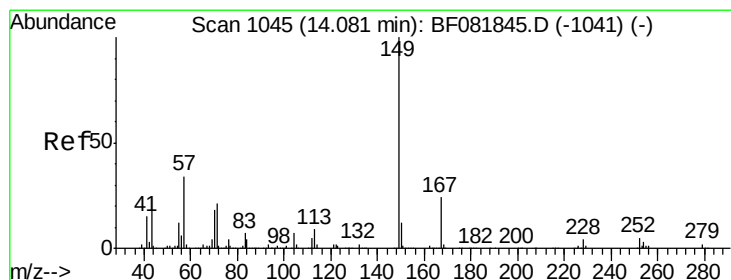
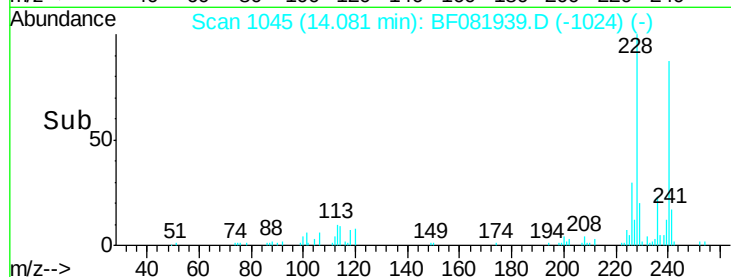
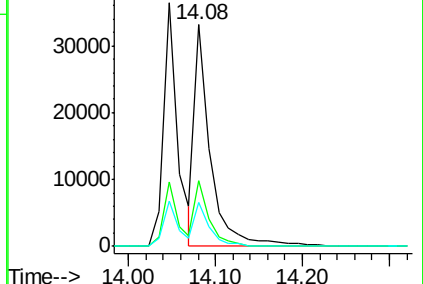
229 20.0 15.6 23.4



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: 1.95 ng

RT: 14.04 min Scan# 1041

Delta R.T. -0.05 min

Lab File: BF081939.D

Acq: 1 Oct 2015 15:08

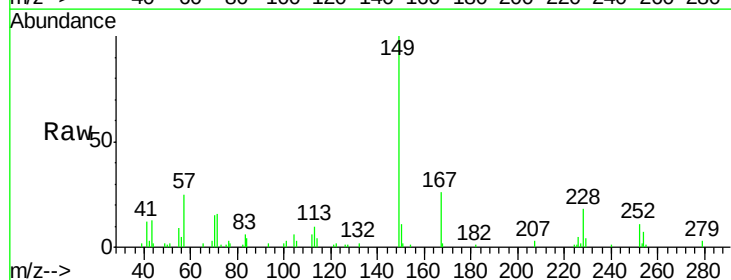
Tgt Ion:149 Resp: 24927

Ion Ratio Lower Upper

149 100

167 25.7 24.2 36.2

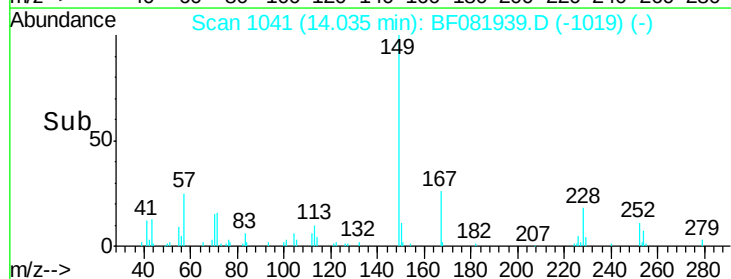
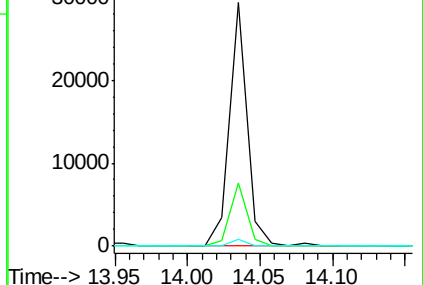
279 3.0 3.8 5.6#

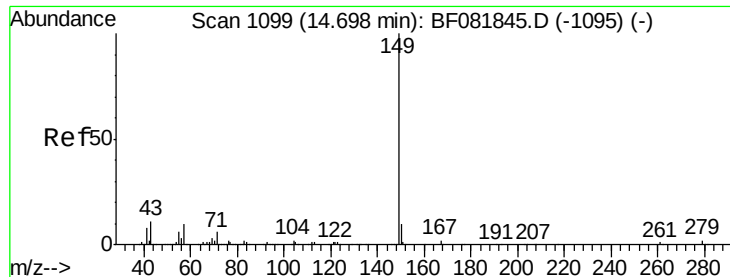


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#84

Di-n-octyl phthalate

Concen: 1.69 ng

RT: 14.64 min Scan# 1094

Delta R.T. -0.06 min

Lab File: BF081939.D

Acq: 1 Oct 2015 15:08

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2015-01

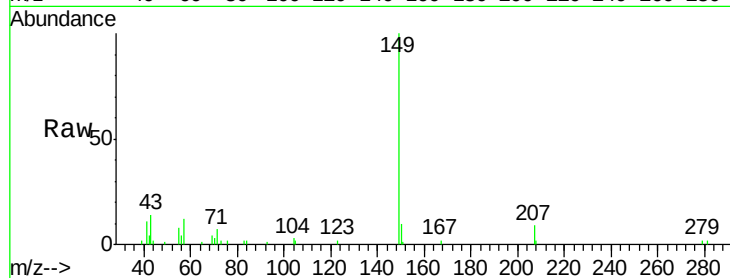
Tgt Ion:149 Resp: 35013

Ion Ratio Lower Upper

149 100

167 1.6 1.0 1.6#

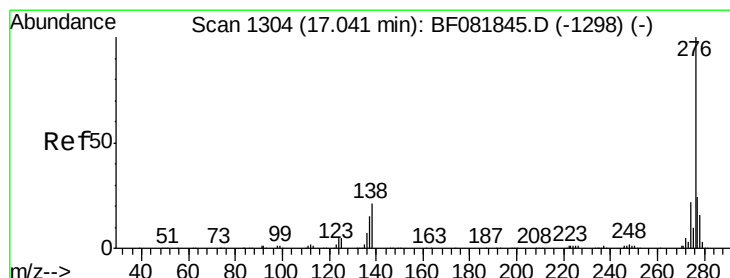
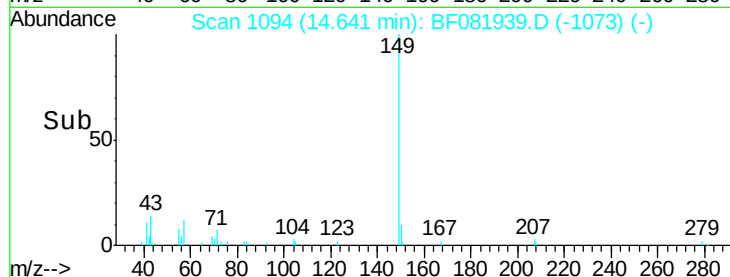
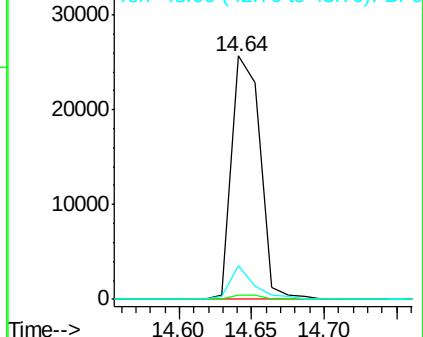
43 11.9 10.2 15.2



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0



#85

Indeno(1,2,3-cd)pyrene

Concen: 1.35 ng

RT: 16.93 min Scan# 1294

Delta R.T. -0.11 min

Lab File: BF081939.D

Acq: 1 Oct 2015 15:08

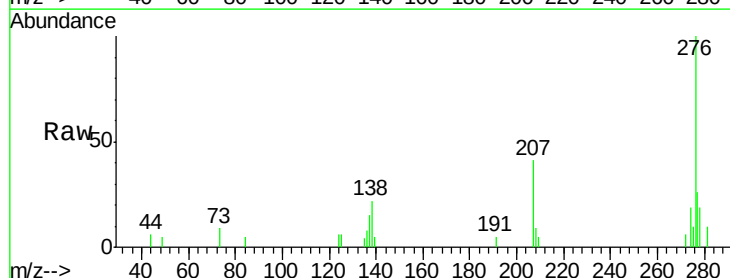
Tgt Ion:276 Resp: 25654

Ion Ratio Lower Upper

276 100

138 23.5 25.7 38.5#

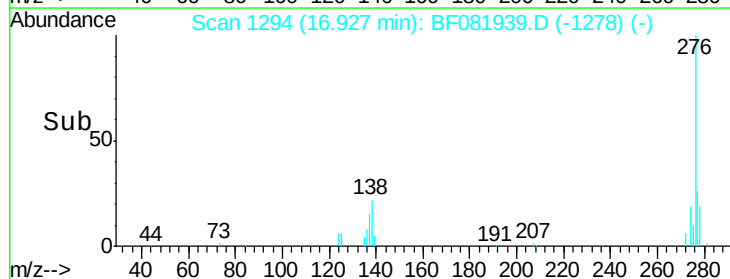
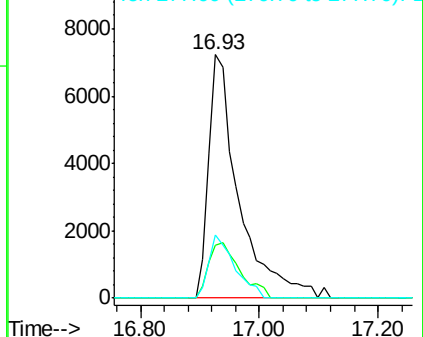
277 22.1 15.6 23.4

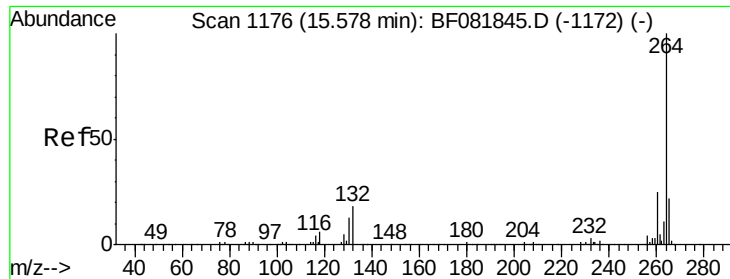


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

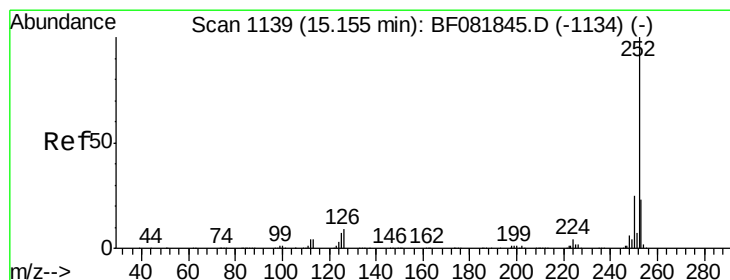
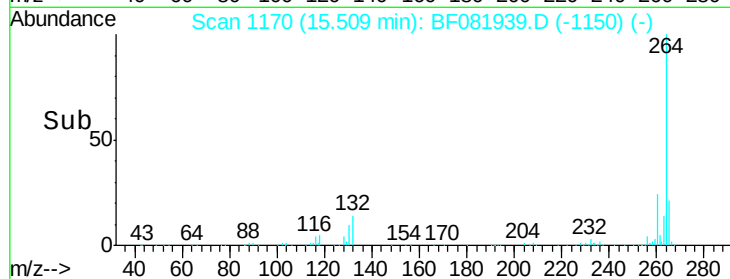
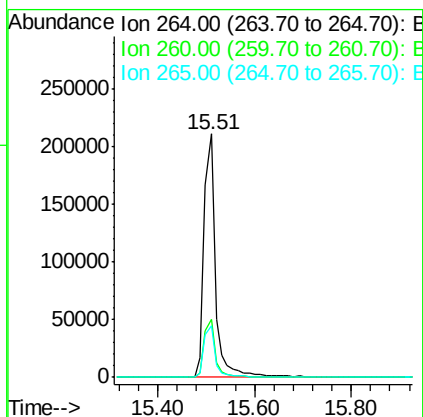
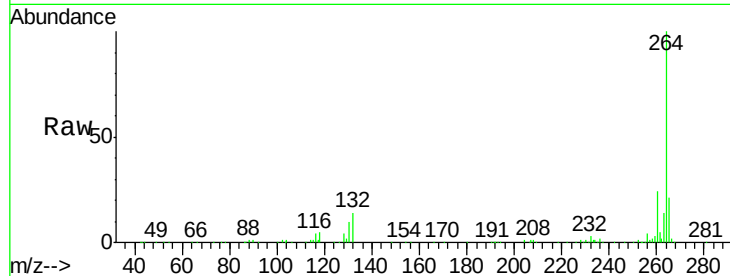




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.51 min Scan# 1170
Delta R.T. -0.07 min
Lab File: BF081939.D
Acq: 1 Oct 2015 15:08

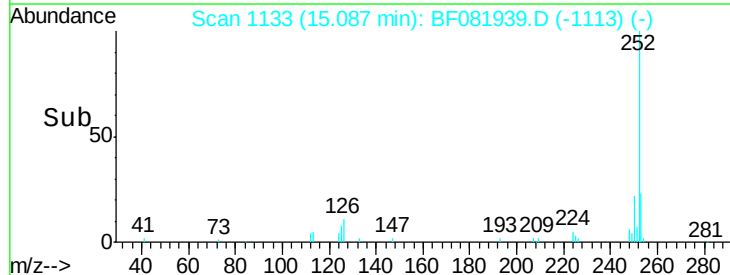
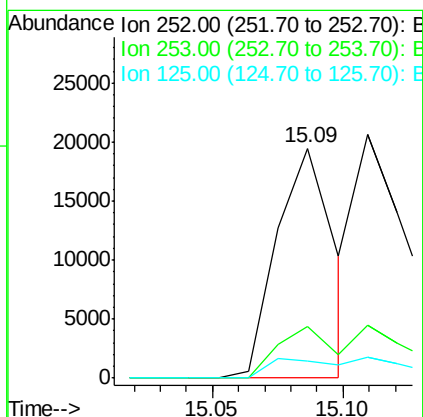
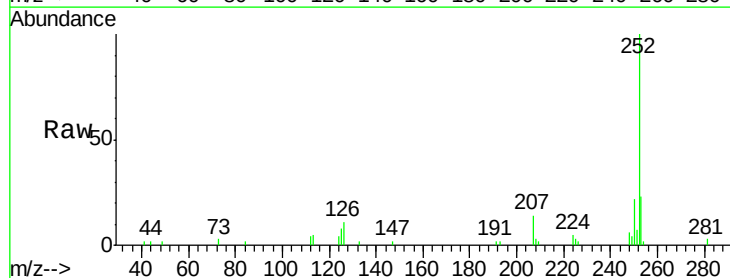
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2015-01

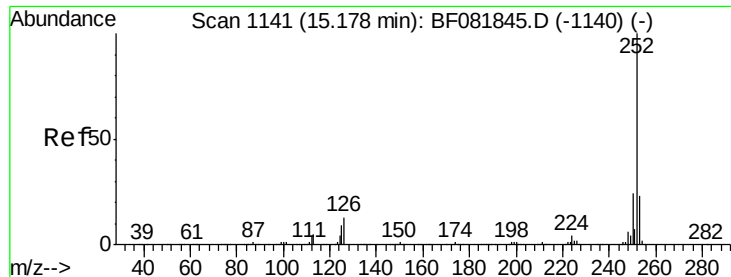
Tgt Ion:264 Resp: 352583
Ion Ratio Lower Upper
264 100
260 23.9 16.7 25.1
265 21.3 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 1.47 ng
RT: 15.09 min Scan# 1133
Delta R.T. -0.07 min
Lab File: BF081939.D
Acq: 1 Oct 2015 15:08

Tgt Ion:252 Resp: 29528
Ion Ratio Lower Upper
252 100
253 22.7 17.5 26.3
125 7.5 17.1 25.7#

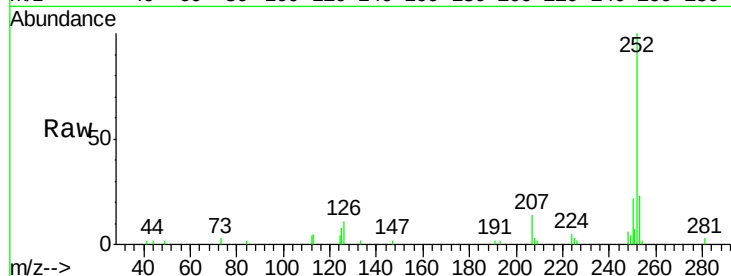




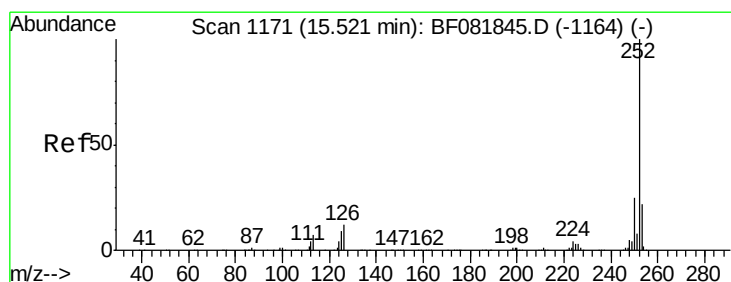
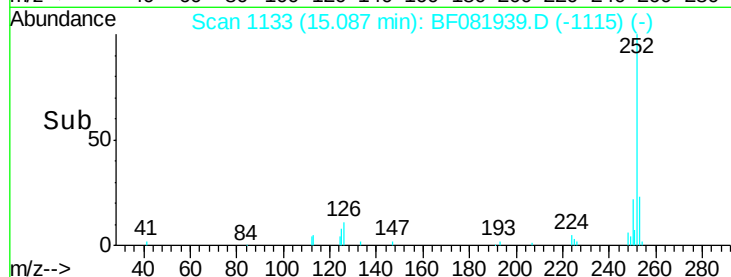
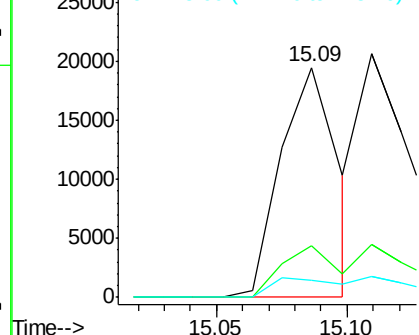
#88
Benzo(k)fluoranthene
Concen: 1.60 ng
RT: 15.09 min Scan# 1133
Delta R.T. -0.09 min
Lab File: BF081939.D
Acq: 1 Oct 2015 15:08

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2015-01

Tgt Ion: 252 Resp: 29528
Ion Ratio Lower Upper
252 100
253 22.7 17.0 25.4
125 7.5 16.0 24.0#

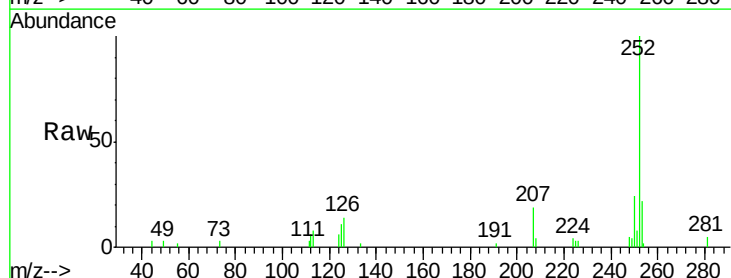


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

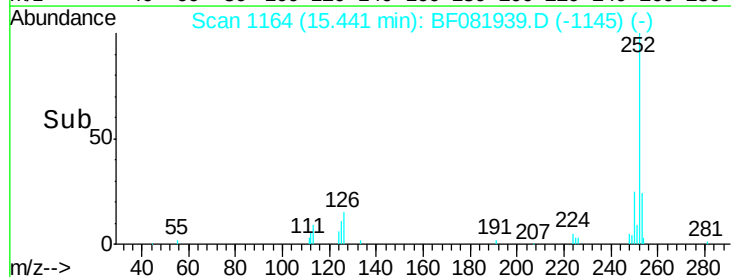
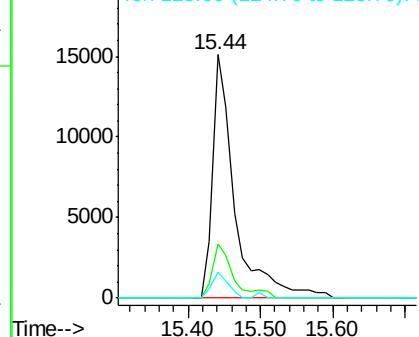


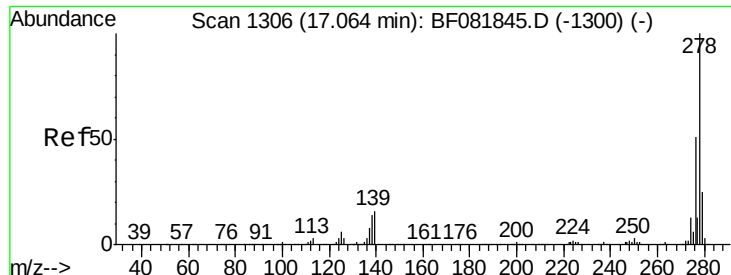
#89
Benzo(a)pyrene
Concen: 1.84 ng
RT: 15.44 min Scan# 1164
Delta R.T. -0.08 min
Lab File: BF081939.D
Acq: 1 Oct 2015 15:08

Tgt Ion: 252 Resp: 32184
Ion Ratio Lower Upper
252 100
253 22.4 17.2 25.8
125 10.7 18.0 27.0#



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



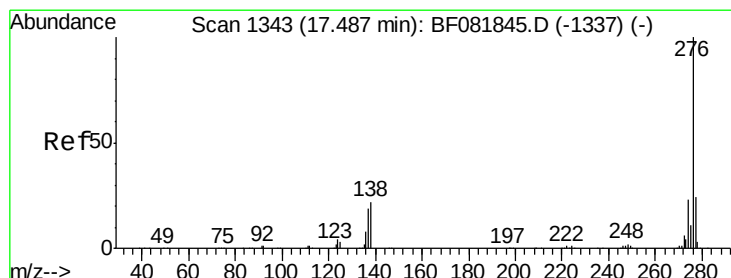
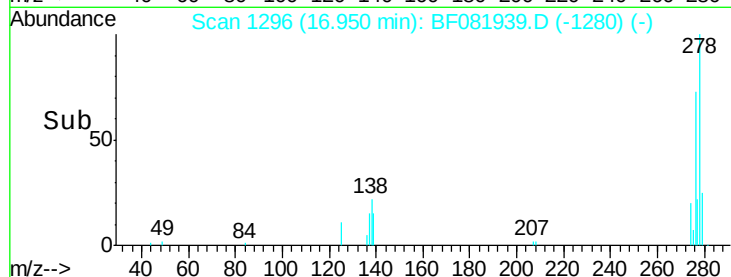
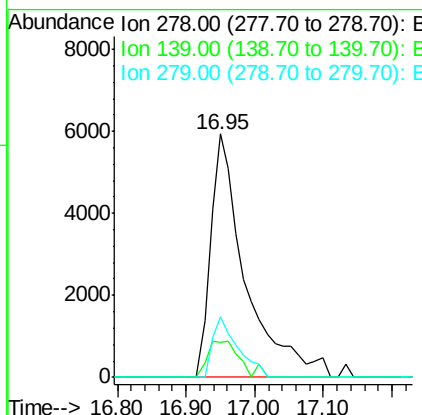
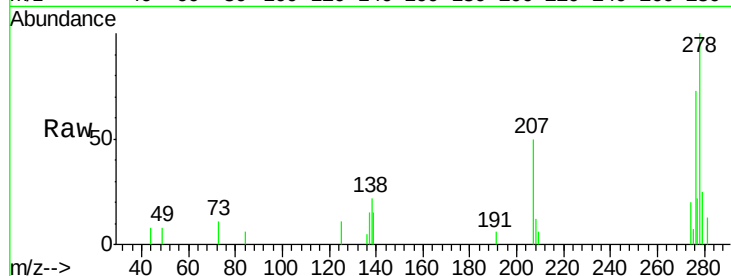


#90
Dibenzo(a,h)anthracene
Concen: 1.44 ng
RT: 16.95 min Scan# 1296
Delta R.T. -0.11 min
Lab File: BF081939.D
Acq: 1 Oct 2015 15:08

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2015-01

Tgt Ion: 278 Resp: 21145

Ion	Ratio	Lower	Upper
278	100		
139	14.5	26.3	39.5#
279	24.6	18.2	27.4



#91
Benzo(g,h,i)perylene
Concen: 1.43 ng
RT: 17.36 min Scan# 1332
Delta R.T. -0.13 min
Lab File: BF081939.D
Acq: 1 Oct 2015 15:08

Tgt Ion: 276 Resp: 21535

Ion	Ratio	Lower	Upper
276	100		
277	25.6	17.8	26.6
138	19.3	34.6	51.8#

