

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100115\
 Data File : BF081938.D
 Acq On : 1 Oct 2015 14:38
 Operator : UM/IZ
 Sample : G3707-03
 Misc : LOD 1 PPM
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2015-01

Quant Time: Oct 02 01:38:27 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	109528	20.00	ng	-0.05
21) Naphthalene-d8	8.18	136	442787	20.00	ng	-0.03
38) Acenaphthene-d10	9.93	164	218147	20.00	ng	-0.05
63) Phenanthrene-d10	11.42	188	441147	20.00	ng	-0.05
75) Chrysene-d12	14.06	240	435353	20.00	ng	-0.06
86) Perylene-d12	15.50	264	333154	20.00	ng	-0.08

System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	589837	97.76	ng	-0.02
7) Phenol-d6	6.53	99	840241	110.67	ng	-0.03
23) Nitrobenzene-d5	7.46	82	499826	75.25	ng	-0.03
41) 2,4,6-Tribromophenol	10.72	330	218645	98.97	ng	-0.05
44) 2-Fluorobiphenyl	9.26	172	985134	73.63	ng	-0.05
78) Terphenyl-d14	13.01	244	1062333	76.72	ng	-0.05

Target Compounds						Qvalue
2) 1,4-Dioxane	2.59	88	1943	0.74	ng	# 8
3) Pyridine	3.52	79	218	0.03	ng	# 1
6) Aniline	6.57	93	3744	0.37	ng	# 42
8) 2-Chlorophenol	6.67	128	4776	0.72	ng	# 44
9) Benzaldehyde	6.46	77	1255	0.25	ng	# 71
10) Phenol	6.54	94	4913	0.58	ng	# 42
11) bis(2-Chloroethyl)ether	6.63	93	4934	0.75	ng	# 98
12) 1,3-Dichlorobenzene	6.83	146	4658	0.59	ng	# 92
13) 1,4-Dichlorobenzene	6.91	146	5414	0.66	ng	# 91
14) 1,2-Dichlorobenzene	6.91	146	5414	0.74	ng	# 93
15) Benzyl Alcohol	7.05	79	8453	1.54	ng	# 29
16) 2,2'-oxybis(1-Chloropropan	7.18	45	6421	0.69	ng	# 62
17) 2-Methylphenol	7.15	107	3520	0.65	ng	# 75
18) Hexachloroethane	7.41	117	1743	0.68	ng	# 84
19) n-Nitroso-di-n-propylamine	7.30	70	2560	0.55	ng	# 81
20) 3+4-Methylphenols	7.31	107	2765	0.41	ng	# 26
22) Acetophenone	7.31	105	5093	0.56	ng	# 69
24) Nitrobenzene	7.47	77	6542	0.91	ng	# 70
25) Isophorone	7.71	82	15423	1.17	ng	# 88
26) 2-Nitrophenol	7.82	139	534	0.15	ng	# 51
27) 2,4-Dimethylphenol	7.84	122	1991	0.33	ng	# 93
28) bis(2-Chloroethoxy)methane	7.94	93	2952	0.38	ng	# 86
29) 2,4-Dichlorophenol	8.05	162	1758	0.30	ng	# 96
30) 1,2,4-Trichlorobenzene	8.13	180	3800	0.58	ng	# 97
31) Naphthalene	8.21	128	13493	0.69	ng	# 100
32) Benzoic acid	7.84	122	1991	7.81	ng	# 24
33) 4-Chloroaniline	8.31	127	3209	0.38	ng	# 3
34) Hexachlorobutadiene	8.32	225	2720	0.70	ng	# 98
35) Caprolactam	8.57	113	501	0.31	ng	# 77
36) 4-Chloro-3-methylphenol	8.73	107	1372	0.24	ng	# 80
37) 2-Methylnaphthalene	8.89	142	7951	0.59	ng	# 95
39) 1,2,4,5-Tetrachlorobenzene	9.06	216	3595	0.54	ng	# 96
40) Hexachlorocyclopentadiene	9.04	237	815	0.24	ng	# 92
42) 2,4,6-Trichlorophenol	9.21	196	1812	0.39	ng	# 99

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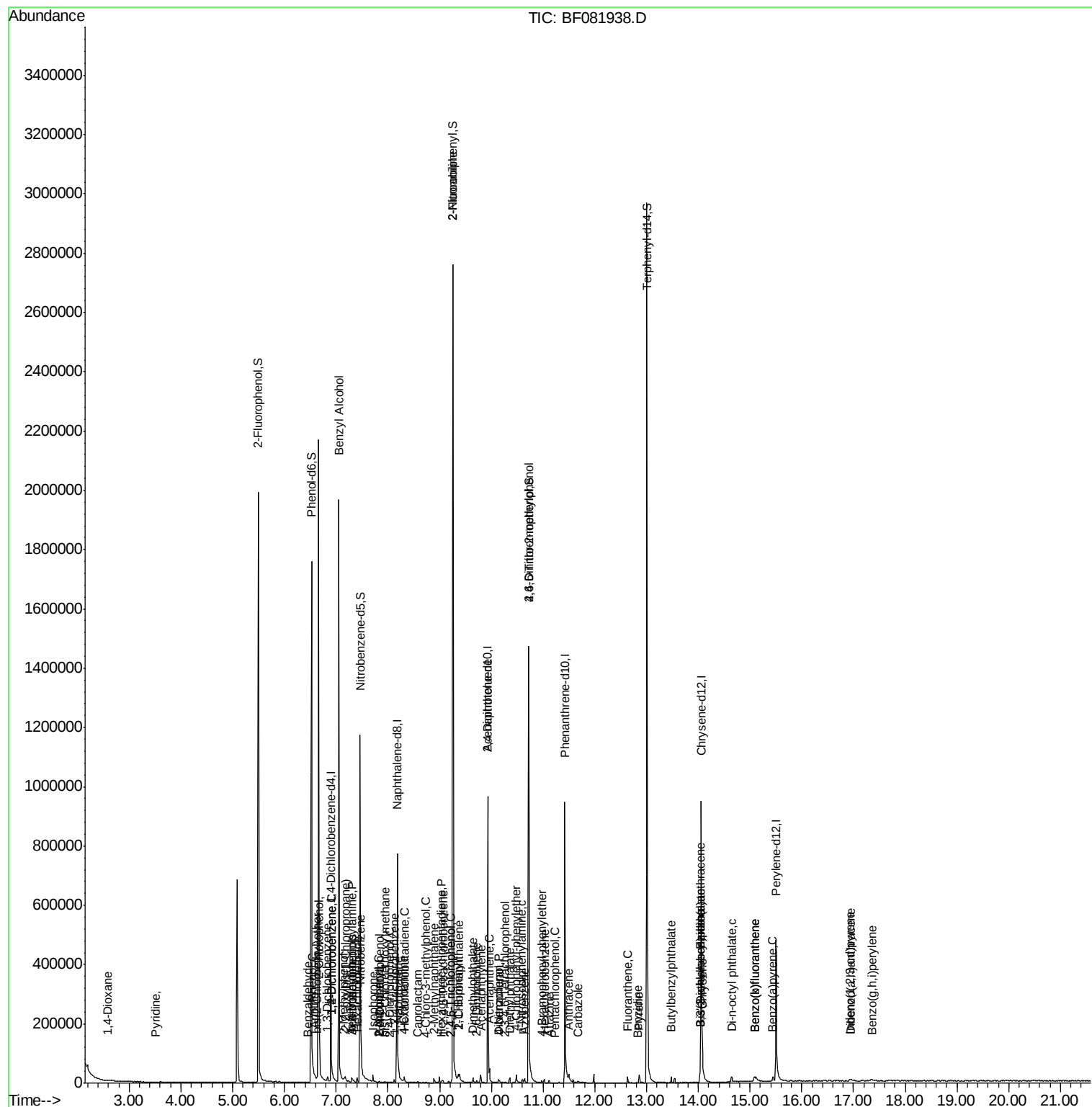
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 2,4,5-Trichlorophenol	9.21	196	1812	0.38	ng	97
45) 1,1'-Biphenyl	9.36	154	10833	0.64	ng	94
46) 2-Chloronaphthalene	9.38	162	8723	0.66	ng	99
47) 2-Nitroaniline	9.26	65	1215	0.31	ng	# 1
48) Acenaphthylene	9.79	152	14024	0.66	ng	95
49) Dimethylphthalate	9.65	163	9287	0.62	ng	# 92
50) 2,6-Dinitrotoluene	9.71	165	1053	0.32	ng	# 46
51) Acenaphthene	9.97	154	9076	0.72	ng	89
54) Dibenzofuran	10.15	168	12674	0.71	ng	96
55) 4-Nitrophenol	10.14	139	4561	1.67	ng	# 25
56) 2,4-Dinitrotoluene	9.93	165	26458	6.35	ng	# 33
57) Fluorene	10.48	166	9572	Below Cal		85
58) 2,3,4,6-Tetrachlorophenol	10.26	232	1717	0.46	ng	# 65
59) Diethylphthalate	10.35	149	9879	0.70	ng	98
60) 4-Chlorophenyl-phenylether	10.48	204	4124	0.63	ng	98
62) Azobenzene	10.64	77	9136	0.67	ng	96
64) 4,6-Dinitro-2-methylphenol	10.72	198	344	1.36	ng	# 1
65) n-Nitrosodiphenylamine	10.59	169	7891	0.59	ng	94
66) 4-Bromophenyl-phenylether	10.97	248	2209	0.50	ng	86
67) Hexachlorobenzene	11.03	284	3006	0.60	ng	# 80
68) Atrazine	11.12	200	2145	0.52	ng	78
69) Pentachlorophenol	11.22	266	290	0.10	ng	# 19
70) Phenanthrene	11.44	178	16224	Below Cal		97
71) Anthracene	11.50	178	17530	0.78	ng	99
72) Carbazole	11.68	167	13058	0.64	ng	# 82
73) Di-n-butylphthalate	11.98	149	16235	Below Cal	#	98
74) Fluoranthene	12.63	202	15996	0.68	ng	88
76) Benzidine	12.82	184	1813	0.14	ng	# 68
77) Pyrene	12.86	202	17467	0.67	ng	99
79) Butylbenzylphthalate	13.48	149	5546	0.57	ng	92
80) Benzo(a)anthracene	14.05	228	16964	0.72	ng	97
81) 3,3'-Dichlorobenzidine	14.04	252	3446	0.44	ng	# 84
82) Chrysene	14.08	228	17583	1.46	ng	97
83) Bis(2-ethylhexyl)phthalate	14.04	149	9383	0.76	ng	# 92
84) Di-n-octyl phthalate	14.64	149	13436	0.67	ng	# 95
85) Indeno(1,2,3-cd)pyrene	16.93	276	9388	0.51	ng	# 86
87) Benzo(b)fluoranthene	15.09	252	11618	0.61	ng	# 84
88) Benzo(k)fluoranthene	15.09	252	11618	0.67	ng	# 85
89) Benzo(a)pyrene	15.44	252	11051	0.67	ng	# 87
90) Dibenzo(a,h)anthracene	16.95	278	7561	0.55	ng	# 85
91) Benzo(g,h,i)perylene	17.35	276	7757	0.55	ng	# 82

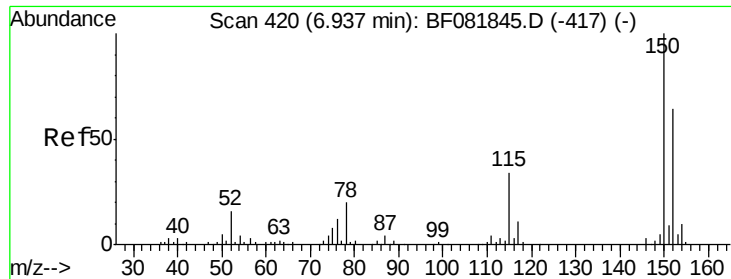
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF081938.D

Acq: 1 Oct 2015 14:38

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2015-01

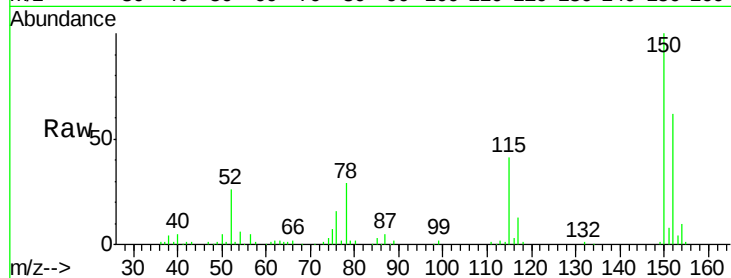
Tgt Ion:152 Resp: 109528

Ion Ratio Lower Upper

152 100

150 162.5 124.7 187.1

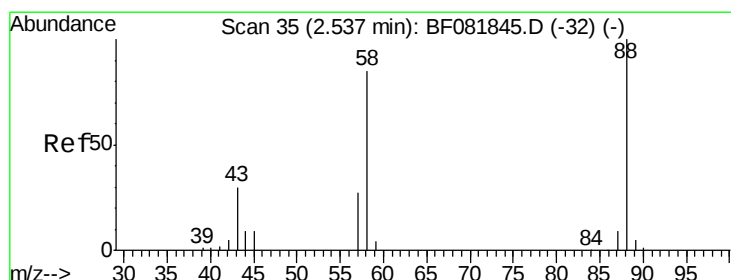
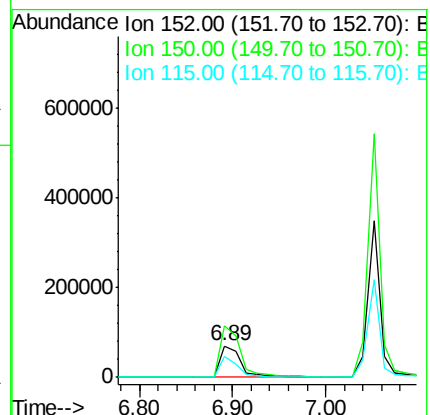
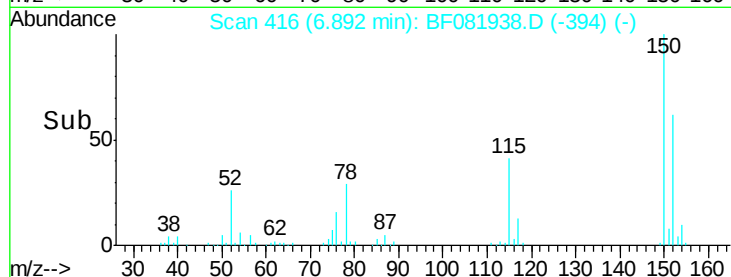
115 66.3 39.0 58.4#



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: 0.74 ng

RT: 2.59 min Scan# 40

Delta R.T. 0.06 min

Lab File: BF081938.D

Acq: 1 Oct 2015 14:38

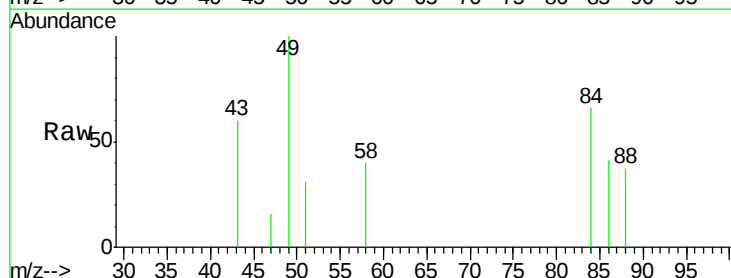
Tgt Ion: 88 Resp: 1943

Ion Ratio Lower Upper

88 100

58 201.9 77.7 116.5#

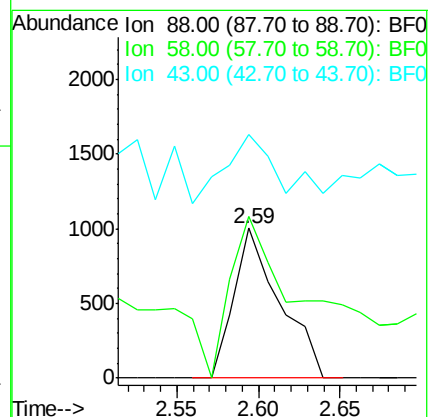
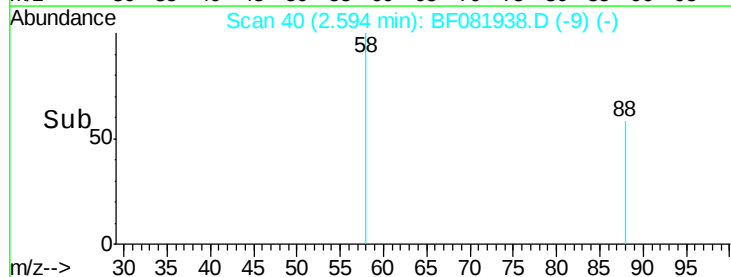
43 60.9 26.6 40.0#

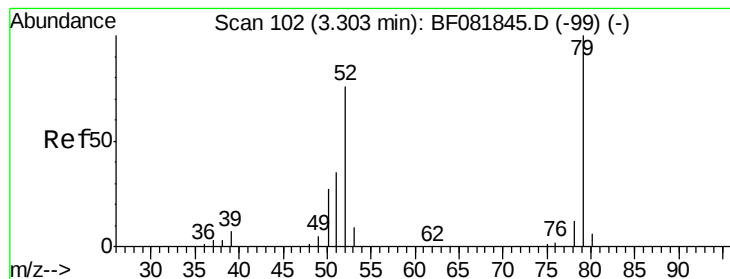


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#3

Pyridine

Concen: 0.03 ng

RT: 3.52 min Scan# 121

Delta R.T. 0.22 min

Lab File: BF081938.D

Acq: 1 Oct 2015 14:38

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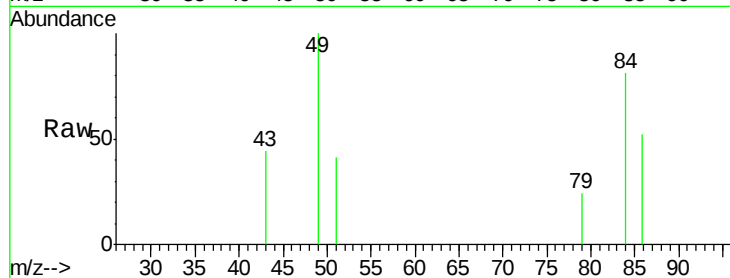
Tgt Ion: 79 Resp: 218

Ion Ratio Lower Upper

79 100

52 0.0 76.8 115.2#

51 174.5 32.2 48.4#

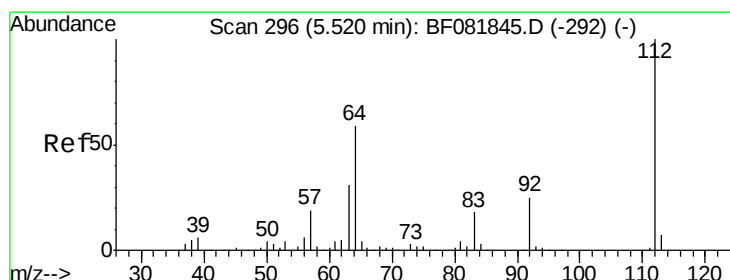
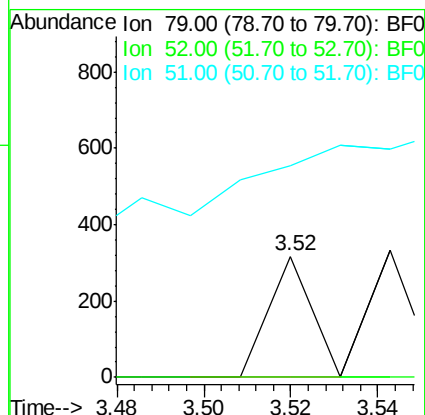
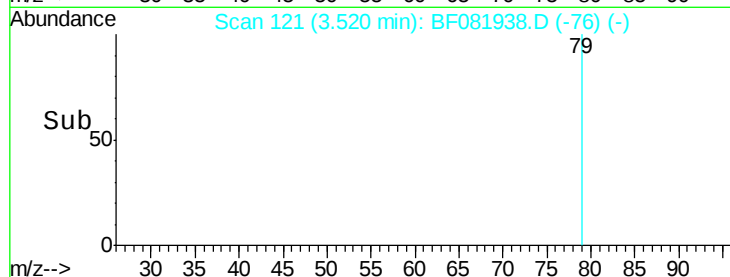


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 52.00 (51.70 to 52.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Time--> 3.48 3.50 3.52 3.54



#5

2-Fluorophenol

Concen: 97.76 ng

RT: 5.50 min Scan# 294

Delta R.T. -0.02 min

Lab File: BF081938.D

Acq: 1 Oct 2015 14:38

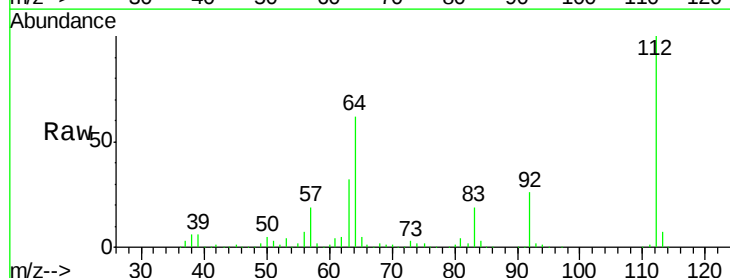
Tgt Ion: 112 Resp: 589837

Ion Ratio Lower Upper

112 100

64 62.0 39.7 59.5#

63 32.3 17.4 26.0#

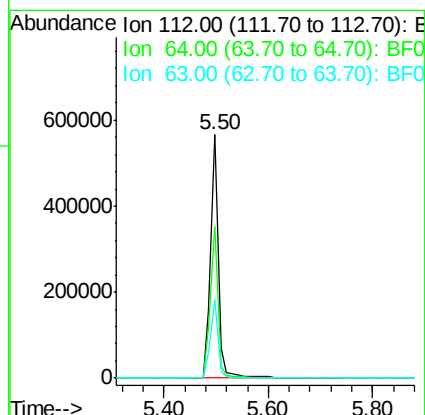
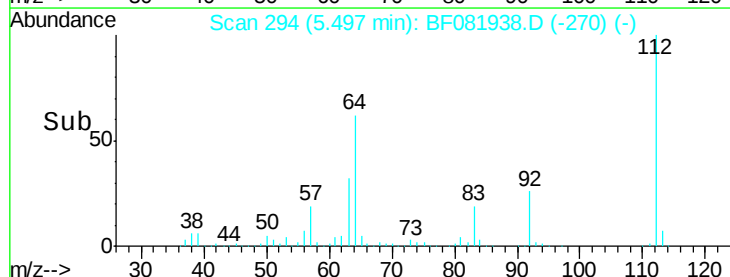


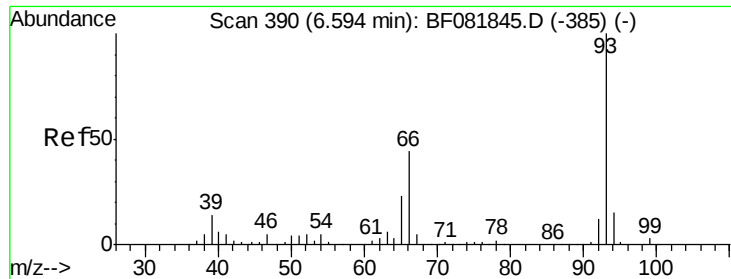
Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0

Time--> 5.40 5.50 5.60 5.80





#6

Aniline

Concen: 0.37 ng

RT: 6.57 min Scan# 388

Delta R.T. -0.02 min

Lab File: BF081938.D

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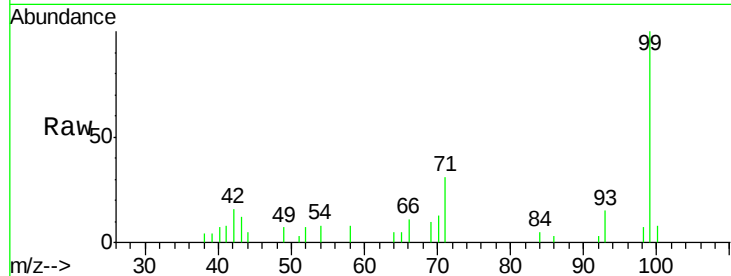
Tgt Ion: 93 Resp: 3744

Ion Ratio Lower Upper

93 100

66 76.1 27.2 40.8#

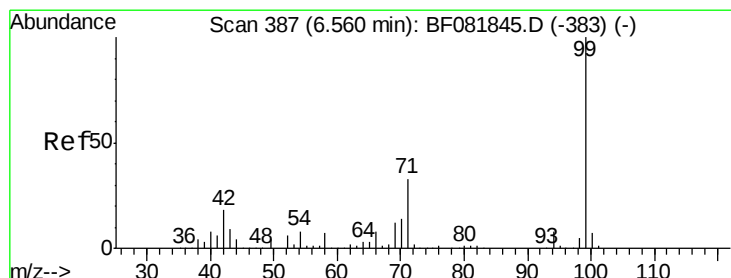
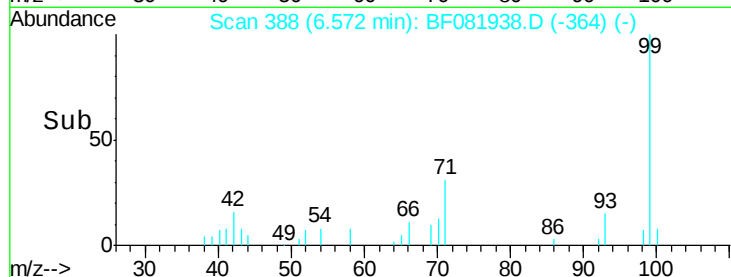
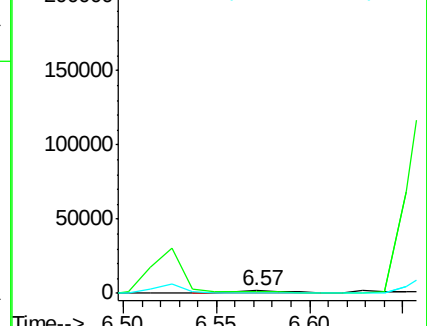
65 31.2 14.7 22.1#



Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0



#7

Phenol-d6

Concen: 110.67 ng

RT: 6.53 min Scan# 384

Delta R.T. -0.03 min

Lab File: BF081938.D

Acq: 1 Oct 2015 14:38

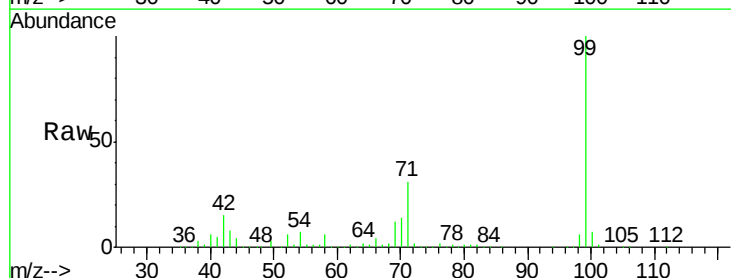
Tgt Ion: 99 Resp: 840241

Ion Ratio Lower Upper

99 100

42 15.2 13.7 20.5

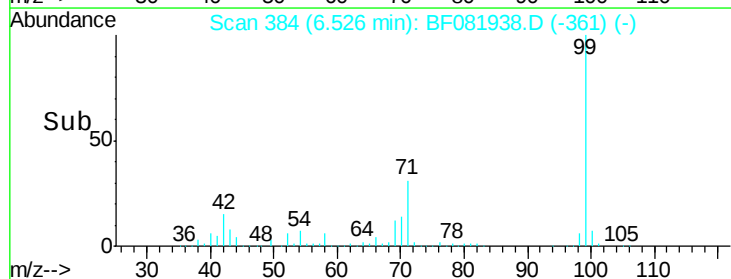
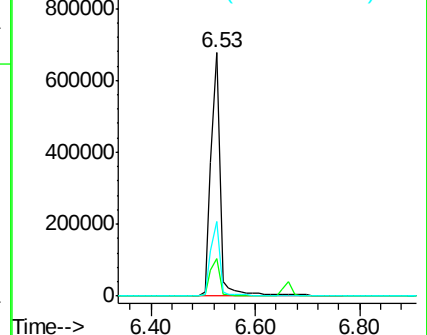
71 30.9 14.2 21.2#

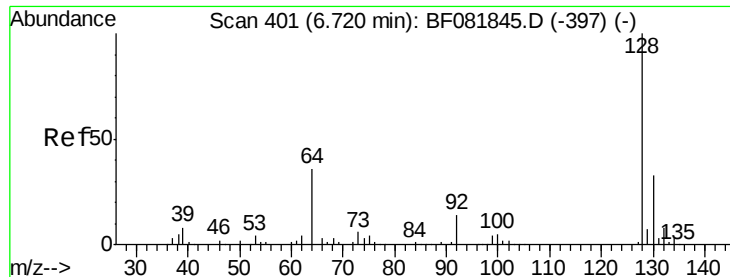


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#8

2-Chlorophenol

Concen: 0.72 ng

RT: 6.67 min Scan# 397

Delta R.T. -0.05 min

Lab File: BF081938.D

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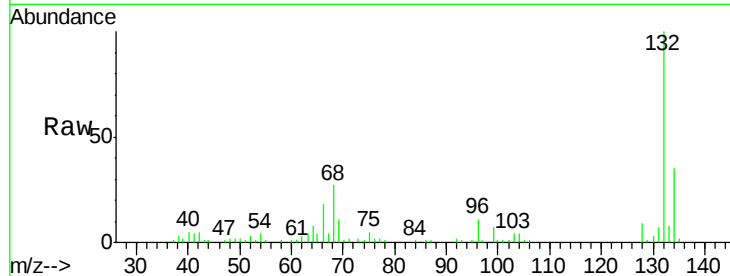
Tgt Ion:128 Resp: 4776

Ion Ratio Lower Upper

128 100

130 37.7 12.2 52.2

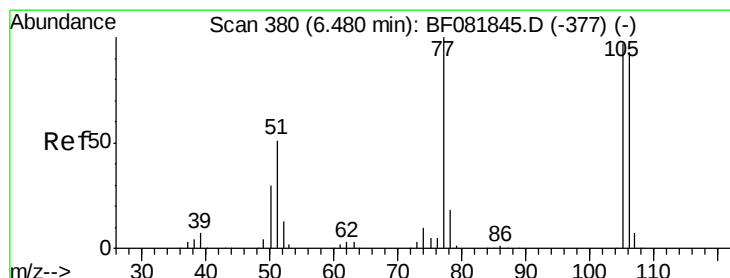
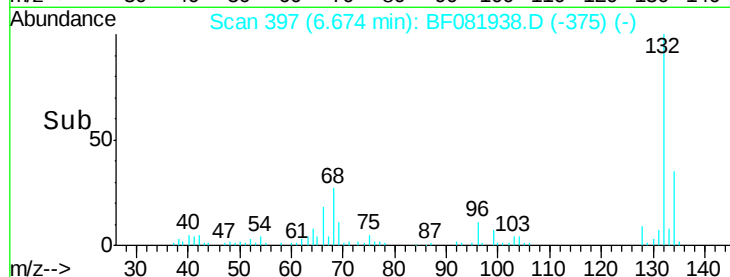
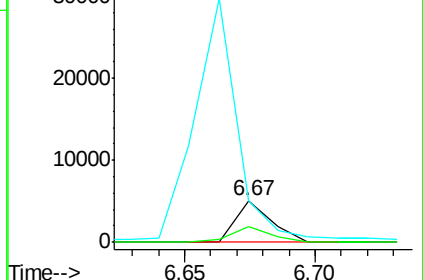
64 97.9 20.5 60.5#



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: 0.25 ng

RT: 6.46 min Scan# 378

Delta R.T. -0.02 min

Lab File: BF081938.D

Acq: 1 Oct 2015 14:38

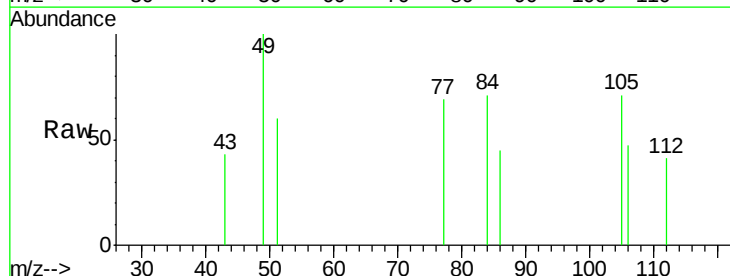
Tgt Ion: 77 Resp: 1255

Ion Ratio Lower Upper

77 100

105 103.0 91.6 131.6

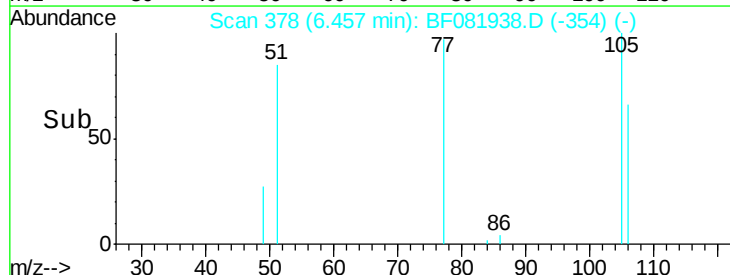
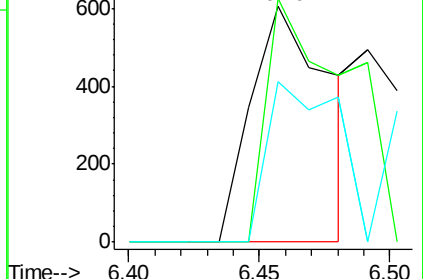
106 67.7 102.6 142.6#

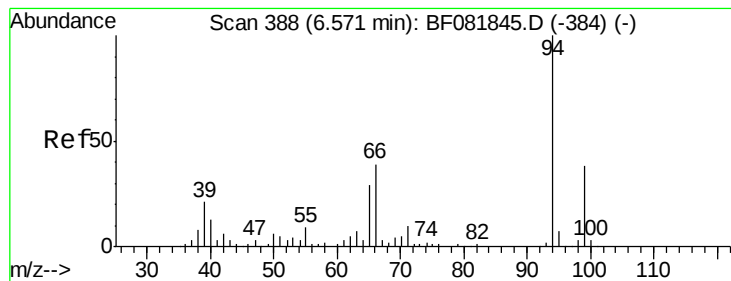


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 0.58 ng

RT: 6.54 min Scan# 385

Delta R.T. -0.03 min

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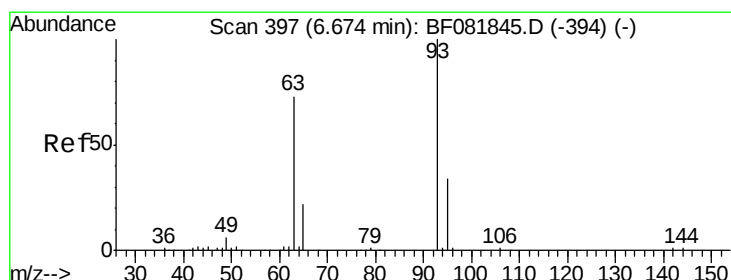
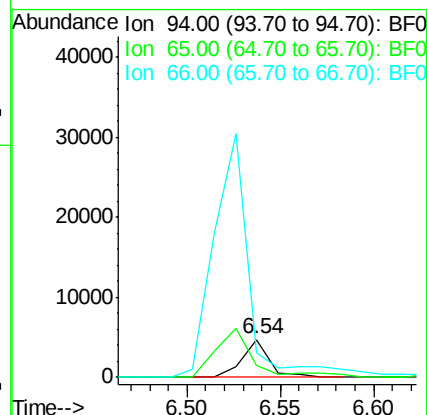
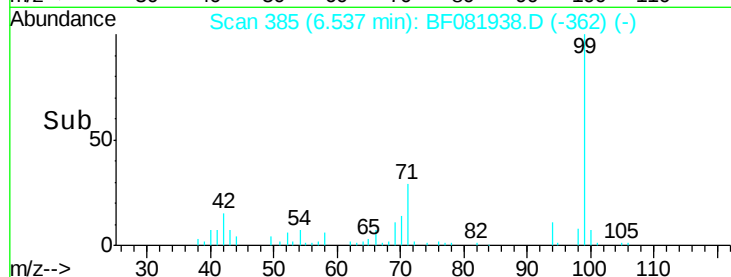
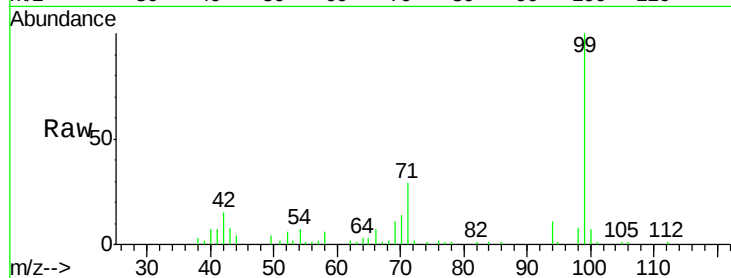
Tgt Ion: 94 Resp: 4913

Ion Ratio Lower Upper

94 100

65 30.6 0.7 40.7

66 65.2 0.8 40.8#



#11

bis(2-Chloroethyl)ether

Concen: 0.75 ng

RT: 6.63 min Scan# 393

Delta R.T. -0.05 min

Lab File: BF081938.D

Acq: 1 Oct 2015 14:38

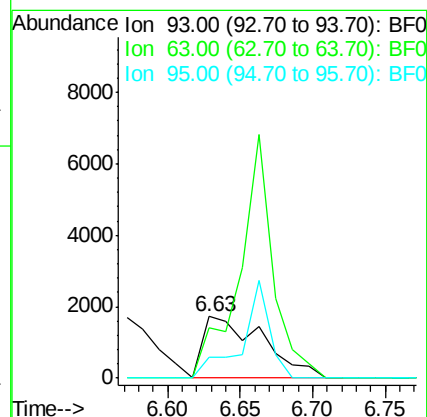
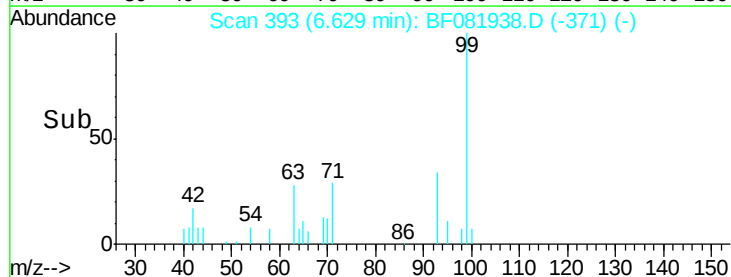
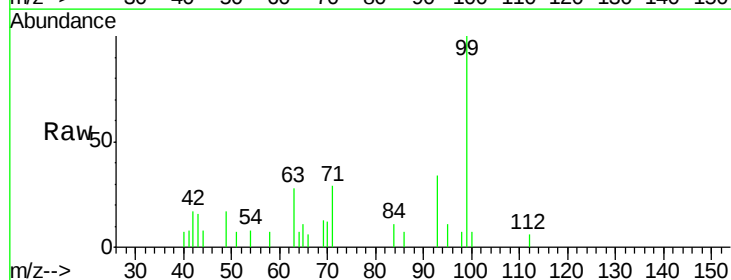
Tgt Ion: 93 Resp: 4934

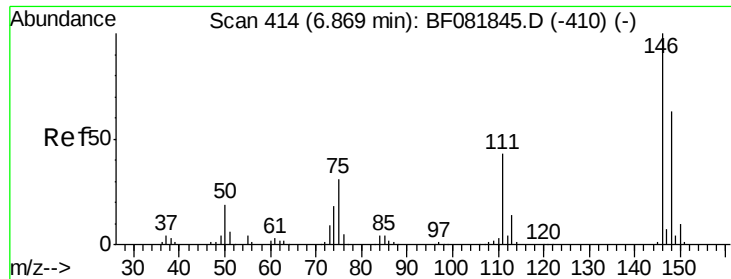
Ion Ratio Lower Upper

93 100

63 82.7 65.6 105.6

95 33.2 13.6 53.6

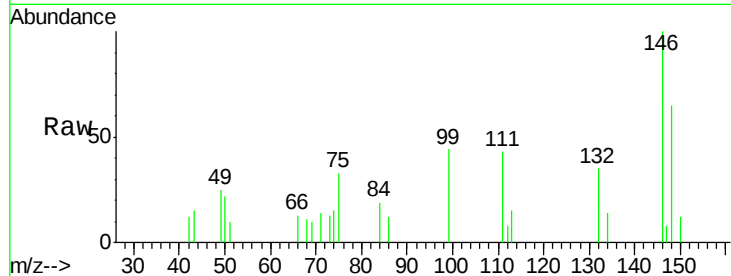




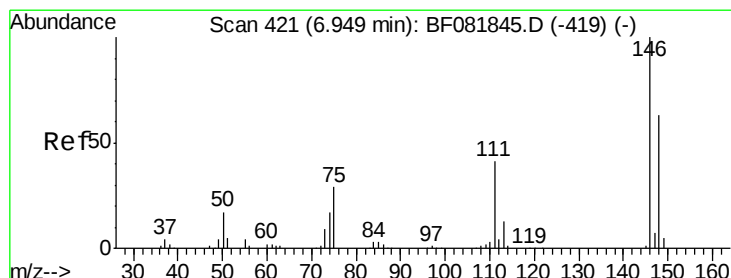
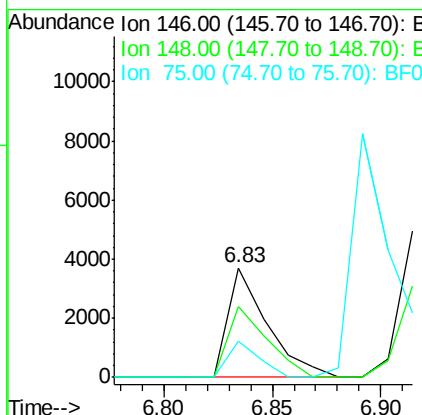
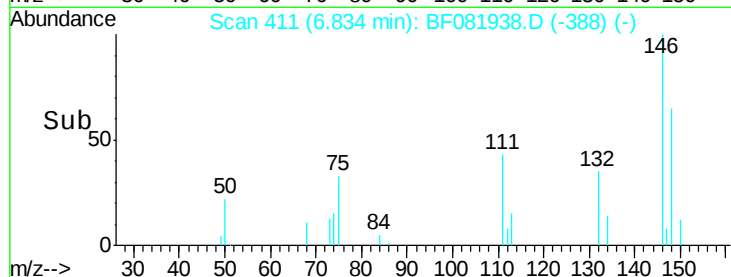
#12
 1,3-Dichlorobenzene
 Concen: 0.59 ng
 RT: 6.83 min Scan# 411
 Delta R.T. -0.03 min
 Lab File: BF081938.D
 Acq: 1 Oct 2015 14:38

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2015-01

Tgt Ion:146 Resp: 4658
 Ion Ratio Lower Upper
 146 100
 148 64.7 51.0 76.4
 75 33.1 15.0 22.6#

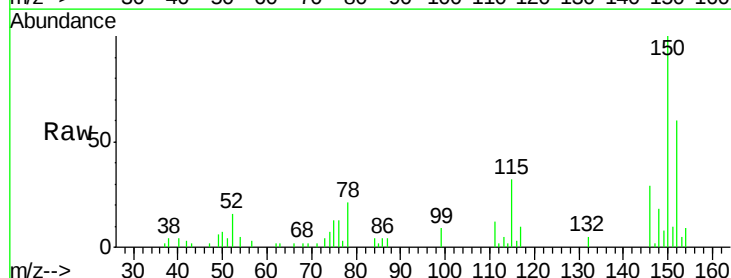


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 75.00 (74.70 to 75.70): BF0

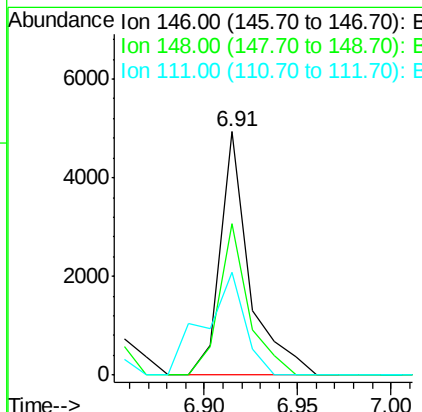
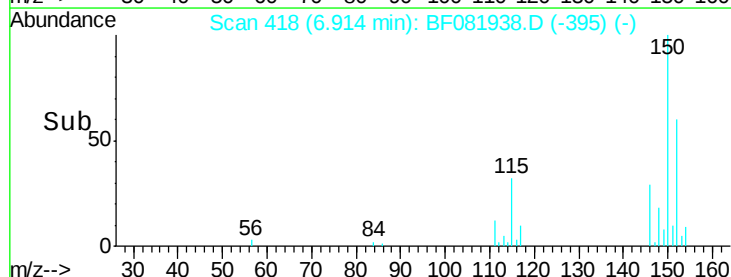


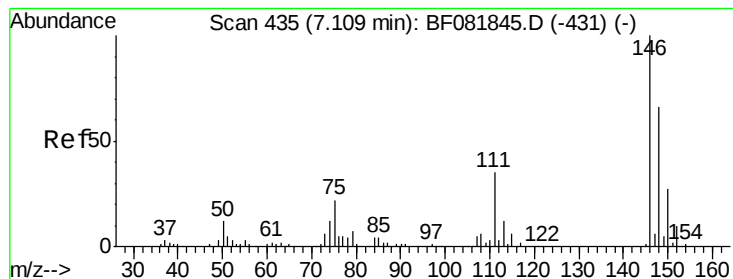
#13
 1,4-Dichlorobenzene
 Concen: 0.66 ng
 RT: 6.91 min Scan# 418
 Delta R.T. -0.03 min
 Lab File: BF081938.D
 Acq: 1 Oct 2015 14:38

Tgt Ion:146 Resp: 5414
 Ion Ratio Lower Upper
 146 100
 148 62.3 51.8 77.6
 111 42.2 24.9 37.3#



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





#14

1,2-Dichlorobenzene

Concen: 0.74 ng

RT: 6.91 min Scan# 418

Delta R.T. -0.19 min

Lab File: BF081938.D

Acq: 1 Oct 2015 14:38

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2015-01

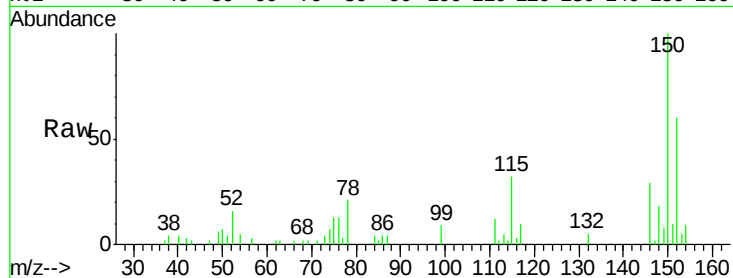
Tgt Ion:146 Resp: 5414

Ion Ratio Lower Upper

146 100

148 62.3 52.7 79.1

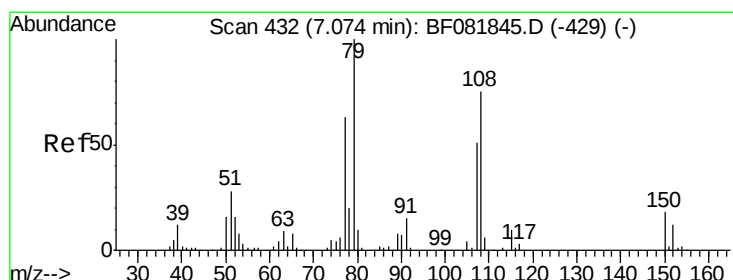
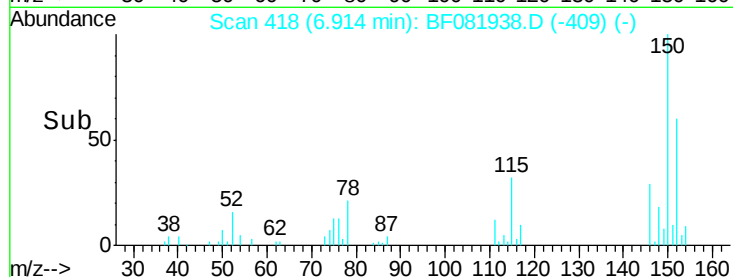
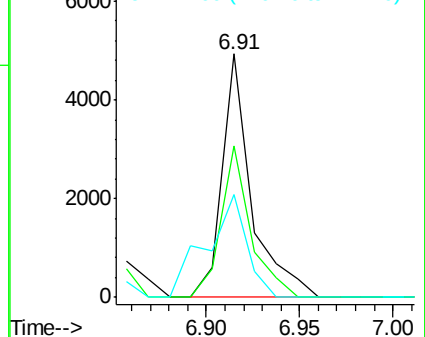
111 42.2 28.8 43.2



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#15

Benzyl Alcohol

Concen: 1.54 ng

RT: 7.05 min Scan# 430

Delta R.T. -0.02 min

Lab File: BF081938.D

Acq: 1 Oct 2015 14:38

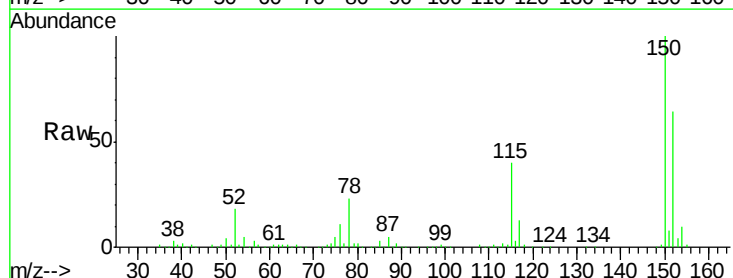
Tgt Ion: 79 Resp: 8453

Ion Ratio Lower Upper

79 100

108 33.0 88.6 132.8#

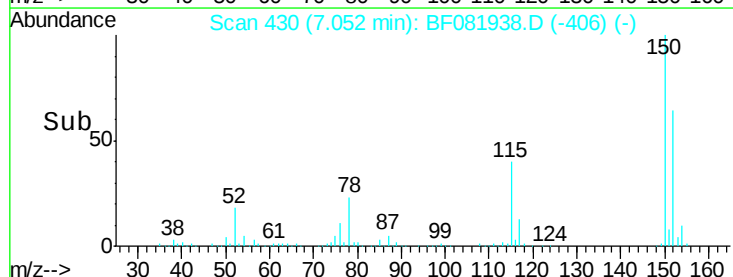
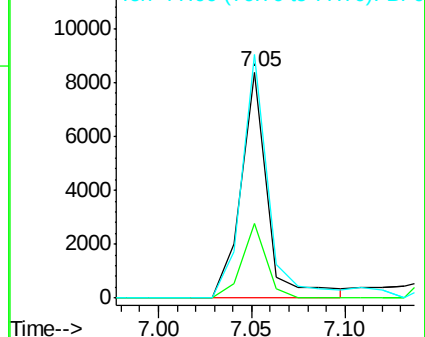
77 107.6 47.0 70.4#

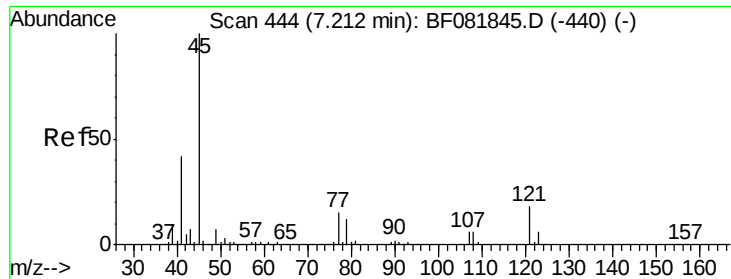


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

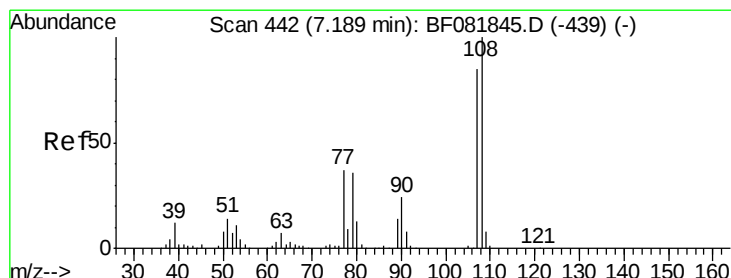
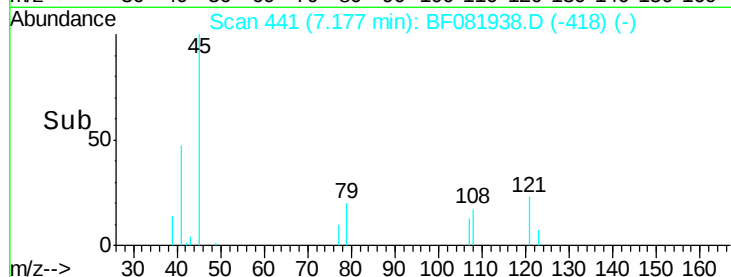
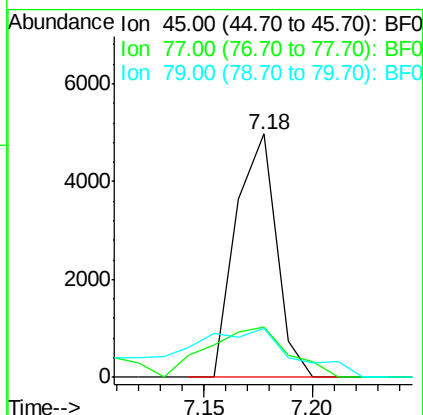
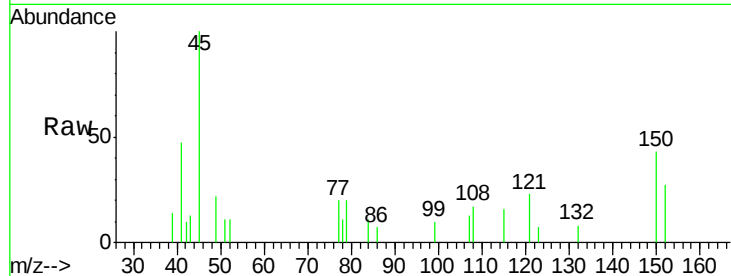




#16
2,2'-oxybis(1-chloropropane)
Concen: 0.69 ng
RT: 7.18 min Scan# 441
Delta R.T. -0.03 min
Lab File: BF081938.D
Acq: 1 Oct 2015 14:38

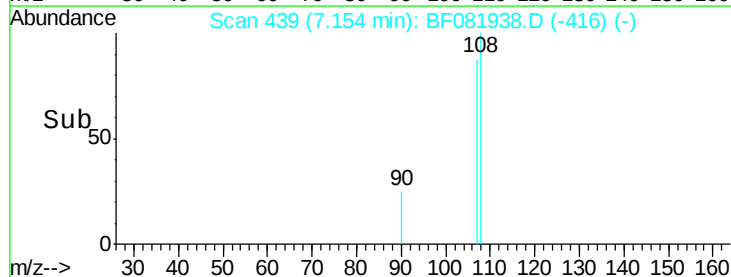
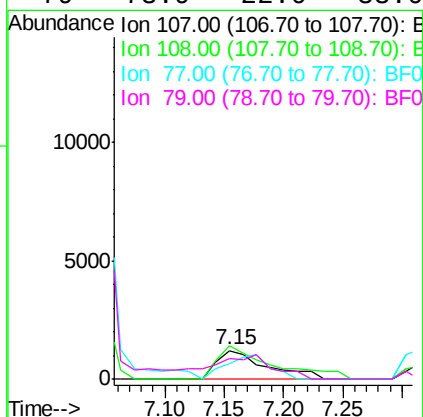
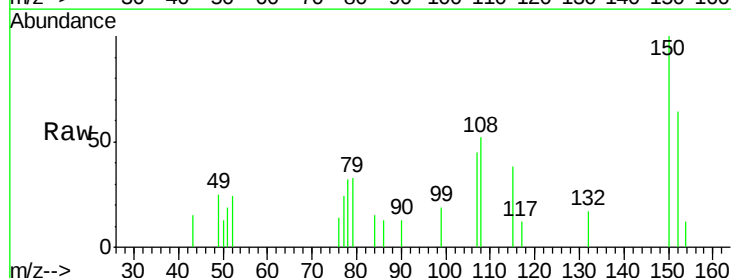
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2015-01

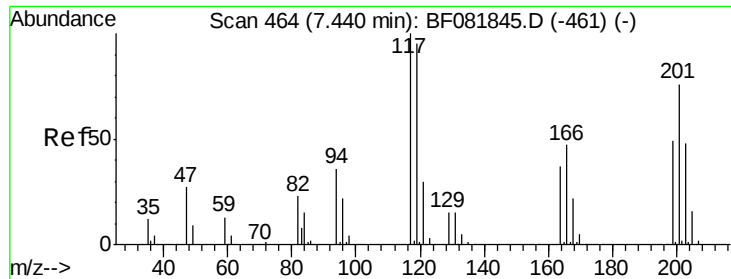
Tgt Ion: 45 Resp: 6421
Ion Ratio Lower Upper
45 100
77 20.4 0.0 28.1
79 20.3 0.0 26.0



#17
2-Methylphenol
Concen: 0.65 ng
RT: 7.15 min Scan# 439
Delta R.T. -0.03 min
Lab File: BF081938.D
Acq: 1 Oct 2015 14:38

Tgt Ion: 107 Resp: 3520
Ion Ratio Lower Upper
107 100
108 115.3 96.6 145.0
77 53.8 23.3 34.9#
79 73.9 22.0 33.0#

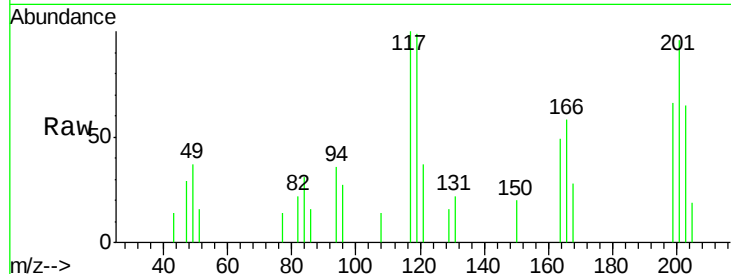




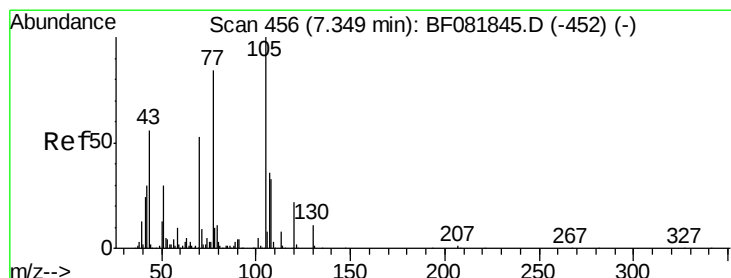
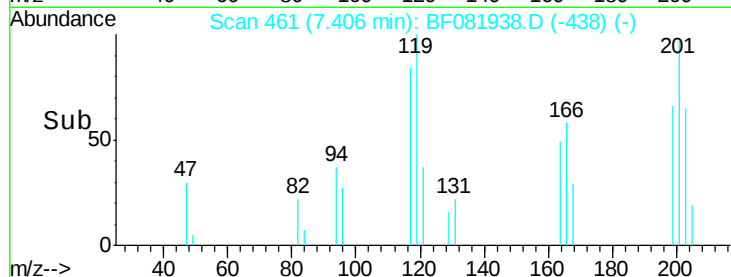
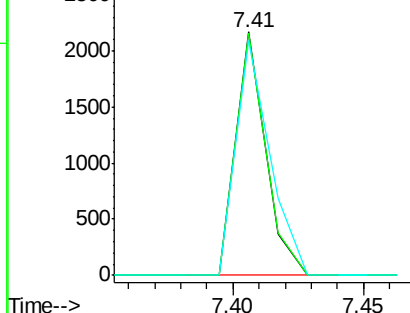
#18
Hexachloroethane
Concen: 0.68 ng
RT: 7.41 min Scan# 461
Delta R.T. -0.03 min
Lab File: BF081938.D
Acq: 1 Oct 2015 14:38

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2015-01

Tgt Ion: 117 Resp: 1743
Ion Ratio Lower Upper
117 100
119 99.4 83.8 125.6
201 96.3 55.1 82.7#

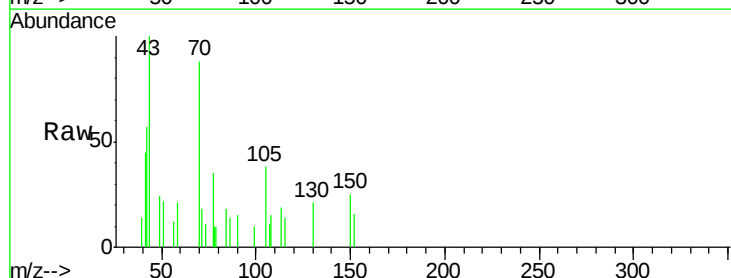


Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

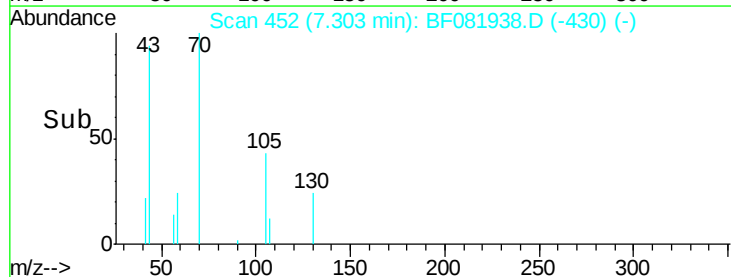
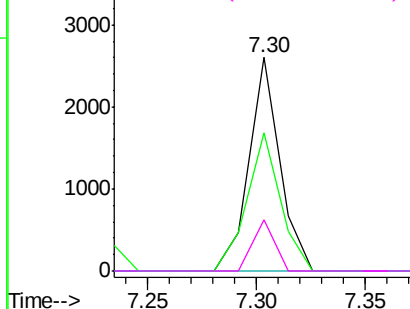


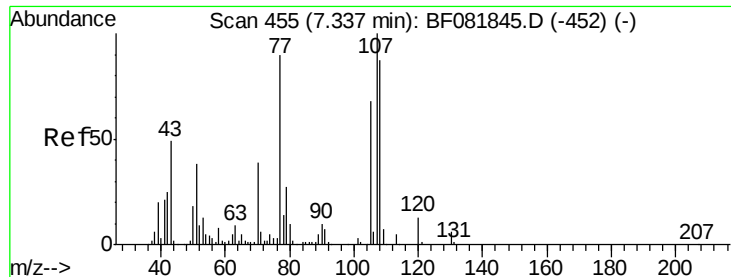
#19
n-Nitroso-di-n-propylamine
Concen: 0.55 ng
RT: 7.30 min Scan# 452
Delta R.T. -0.05 min
Lab File: BF081938.D
Acq: 1 Oct 2015 14:38

Tgt Ion: 70 Resp: 2560
Ion Ratio Lower Upper
70 100
42 64.6 63.8 95.6
101 0.0 9.2 13.8#
130 23.8 27.3 40.9#



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





#20

3+4-Methylphenols

Concen: 0.41 ng

RT: 7.31 min Scan# 453

Delta R.T. -0.02 min

Lab File: BF081938.D

Acq: 1 Oct 2015 14:38

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2015-01

Tgt Ion:107 Resp: 2765

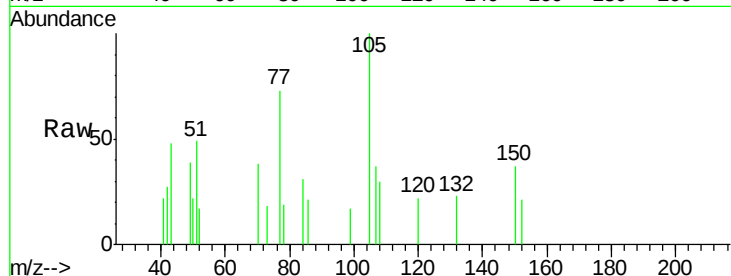
Ion Ratio Lower Upper

107 100

108 81.4 74.6 114.6

77 196.2 0.7 40.7#

79 0.0 0.0 38.9

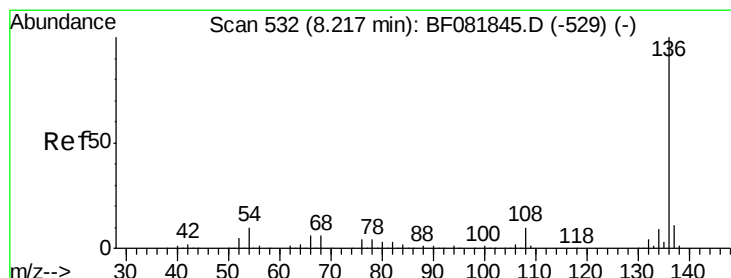
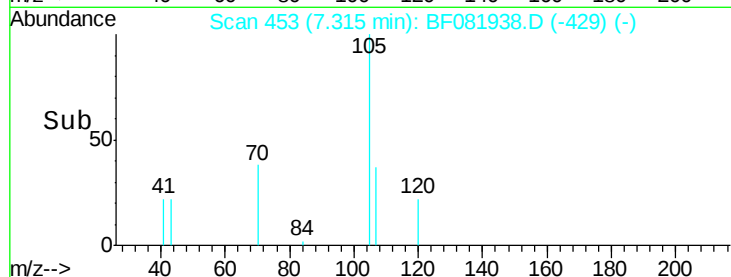
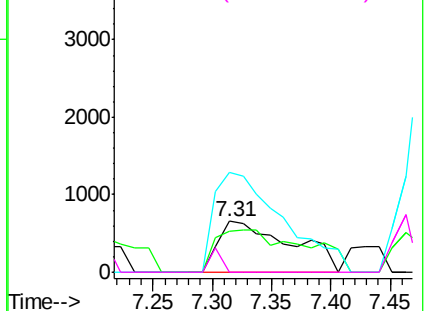


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.18 min Scan# 529

Delta R.T. -0.03 min

Lab File: BF081938.D

Acq: 1 Oct 2015 14:38

Tgt Ion:136 Resp: 442787

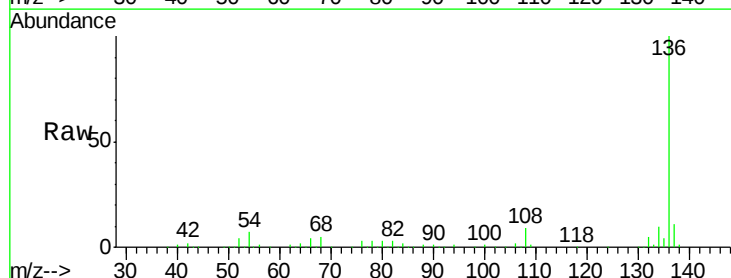
Ion Ratio Lower Upper

136 100

137 11.0 9.0 13.6

54 6.9 8.2 12.2#

68 4.8 5.8 8.6#

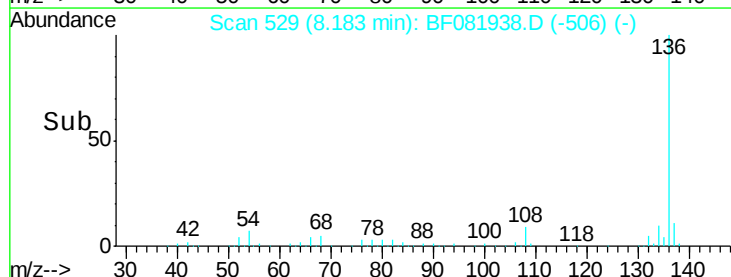
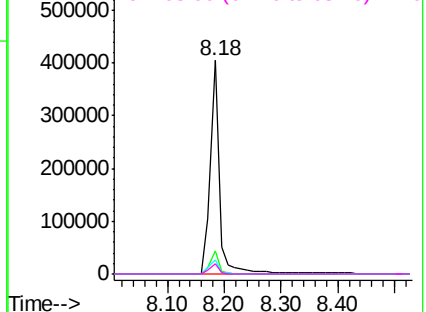


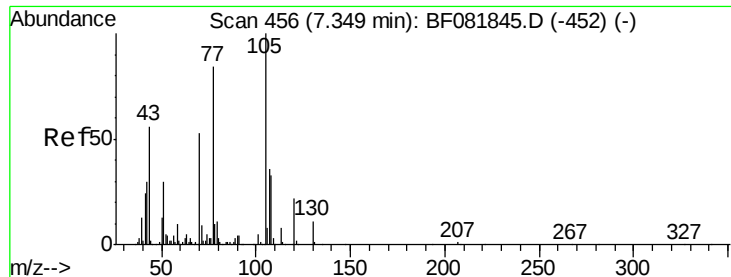
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0





#22

Acetophenone

Concen: 0.56 ng

RT: 7.31 min Scan# 453

Delta R.T. -0.03 min

Lab File: BF081938.D

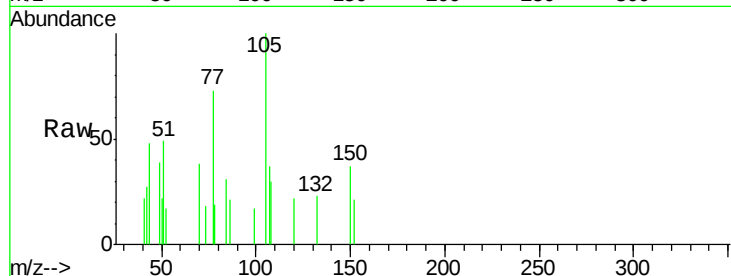
Acq: 1 Oct 2015 14:38

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2015-01



Tgt Ion: 105 Resp: 5093

Ion Ratio Lower Upper

105 100

71 0.0 4.7 7.1#

51 48.7 22.0 33.0#

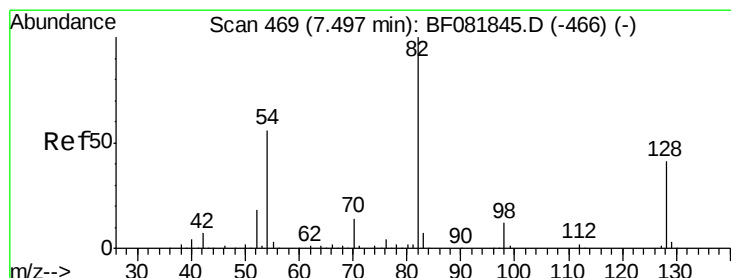
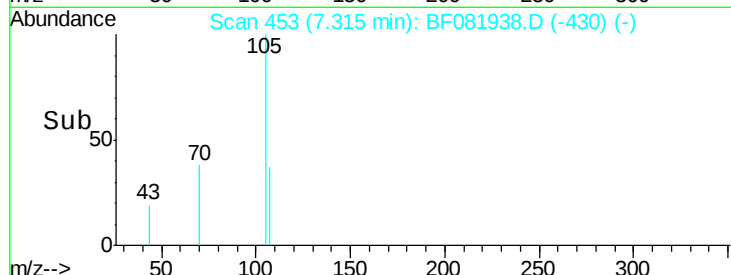
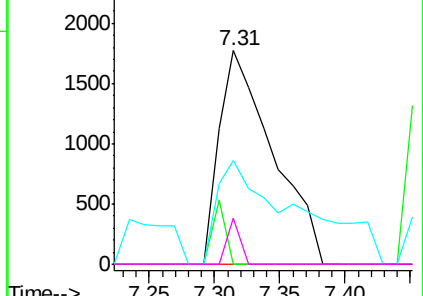
120 21.9 30.1 45.1#

Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E



#23

Nitrobenzene-d5

Concen: 75.25 ng

RT: 7.46 min Scan# 466

Delta R.T. -0.03 min

Lab File: BF081938.D

Acq: 1 Oct 2015 14:38

Tgt Ion: 82 Resp: 499826

Ion Ratio Lower Upper

82 100

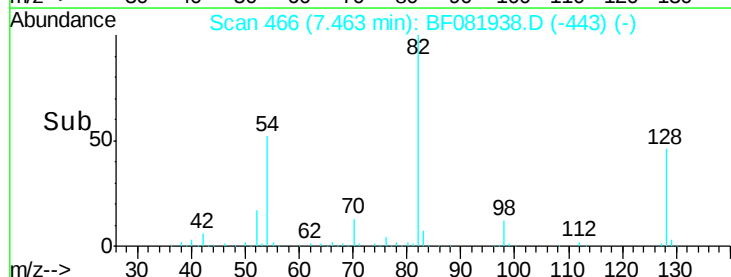
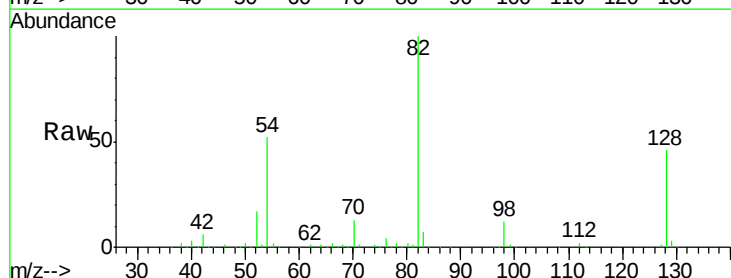
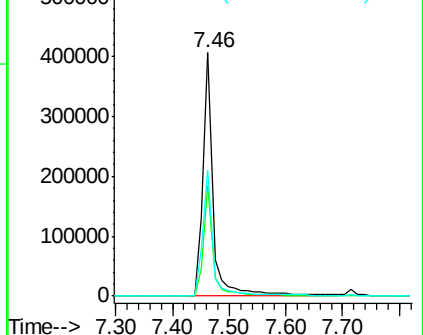
128 45.6 51.0 76.6#

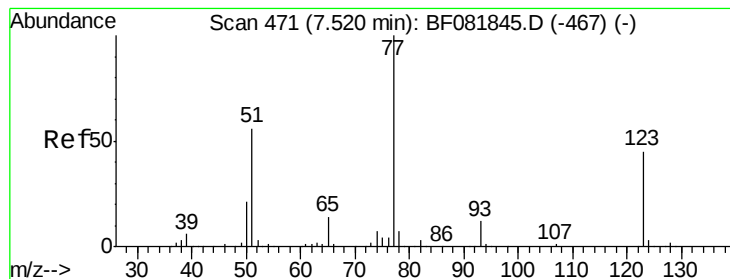
54 51.7 47.5 71.3

Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#24

Nitrobenzene

Concen: 0.91 ng

RT: 7.47 min Scan# 467

Delta R.T. -0.05 min

Lab File: BF081938.D

Acq: 1 Oct 2015 14:38

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2015-01

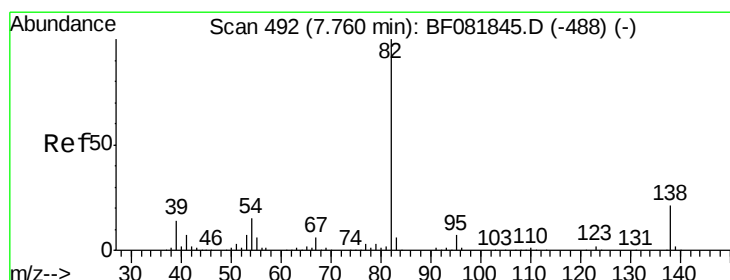
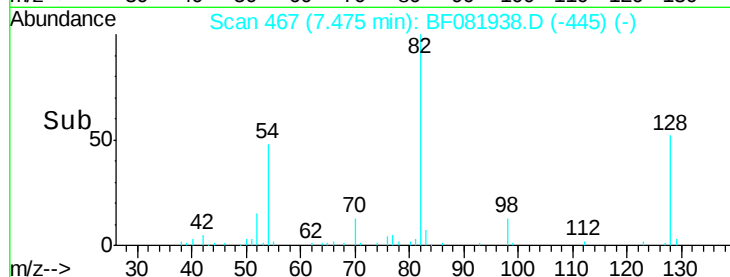
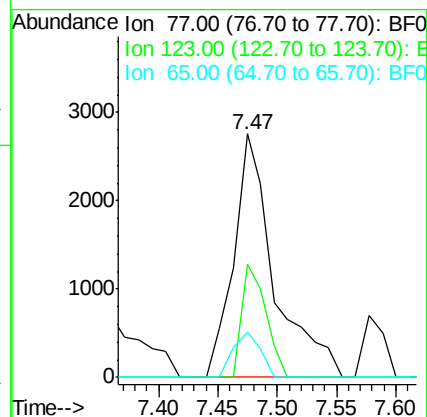
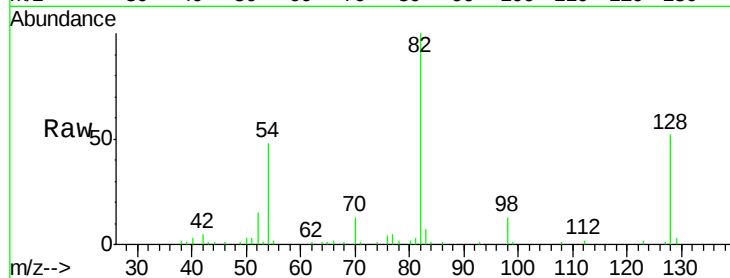
Tgt Ion: 77 Resp: 6542

Ion Ratio Lower Upper

77 100

123 46.7 59.8 89.8#

65 18.7 10.2 15.4#



#25

Isophorone

Concen: 1.17 ng

RT: 7.71 min Scan# 488

Delta R.T. -0.05 min

Lab File: BF081938.D

Acq: 1 Oct 2015 14:38

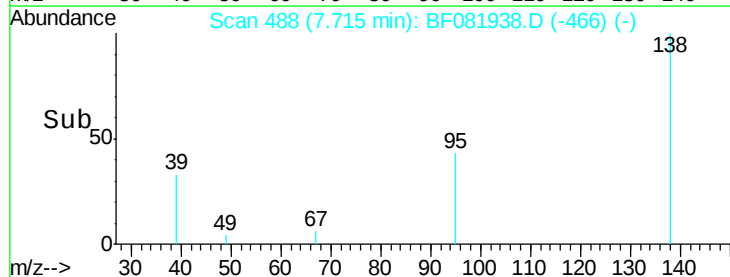
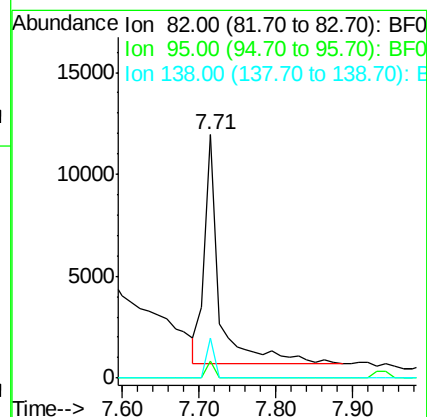
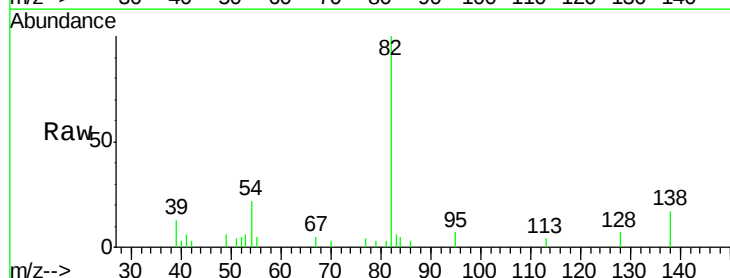
Tgt Ion: 82 Resp: 15423

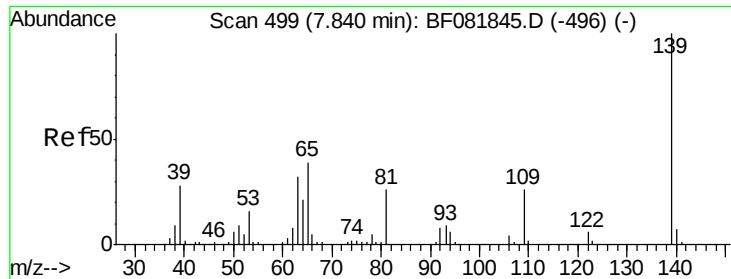
Ion Ratio Lower Upper

82 100

95 7.1 4.0 6.0#

138 16.5 18.3 27.5#

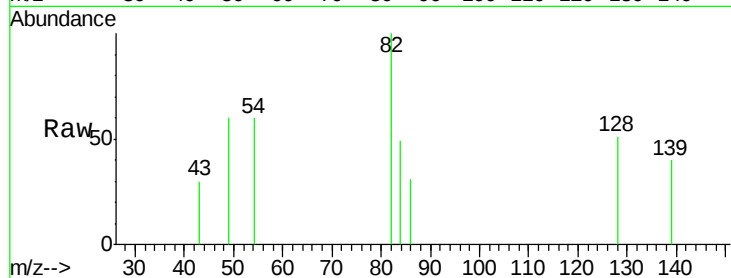




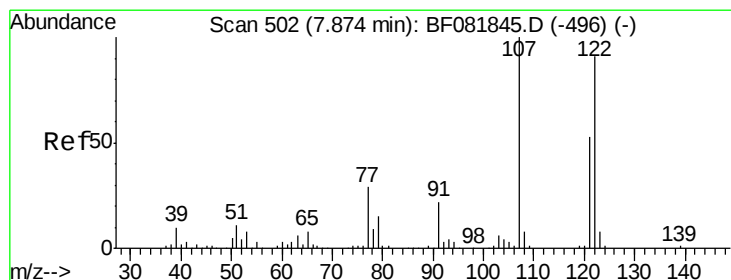
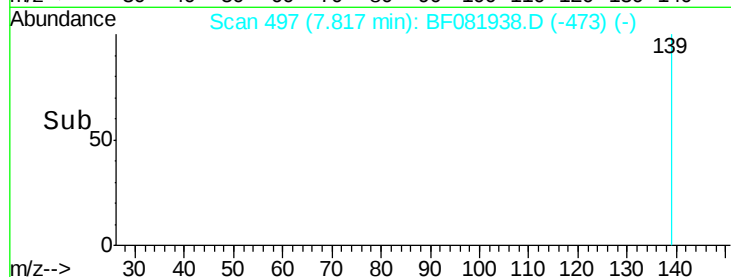
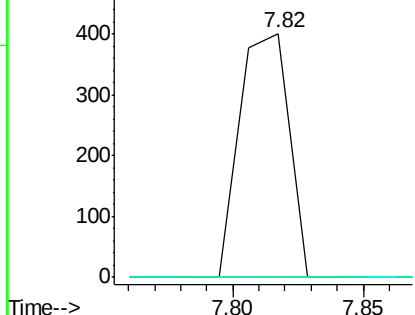
#26
 2-Nitrophenol
 Concen: 0.15 ng
 RT: 7.82 min Scan# 497
 Delta R.T. -0.02 min
 Lab File: BF081938.D
 Acq: 1 Oct 2015 14:38

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2015-01

Tgt Ion:139 Resp: 534
 Ion Ratio Lower Upper
 139 100
 109 0.0 11.0 16.4#
 65 0.0 24.7 37.1#

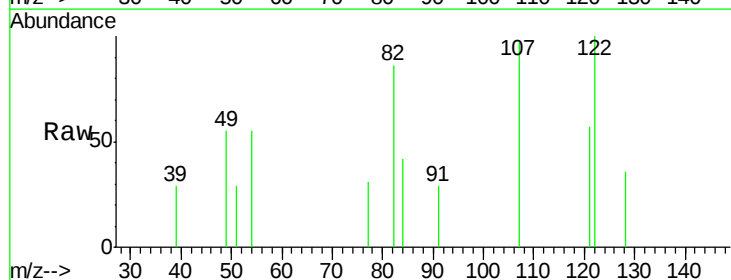


Abundance Ion 139.00 (138.70 to 139.70): E
 Ion 109.00 (108.70 to 109.70): E
 Ion 65.00 (64.70 to 65.70): E

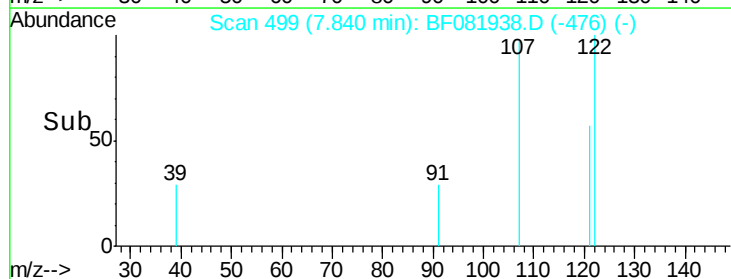
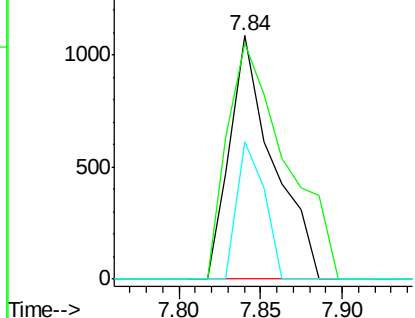


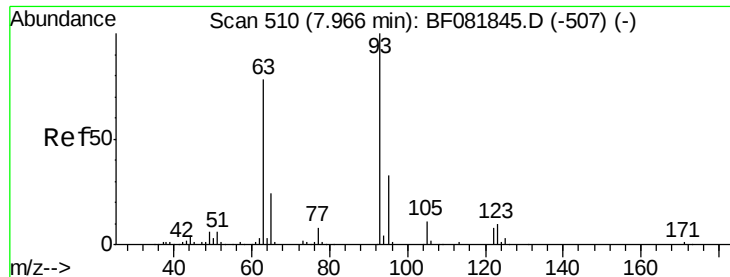
#27
 2,4-Dimethylphenol
 Concen: 0.33 ng
 RT: 7.84 min Scan# 499
 Delta R.T. -0.03 min
 Lab File: BF081938.D
 Acq: 1 Oct 2015 14:38

Tgt Ion:122 Resp: 1991
 Ion Ratio Lower Upper
 122 100
 107 96.7 71.8 107.6
 121 56.7 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

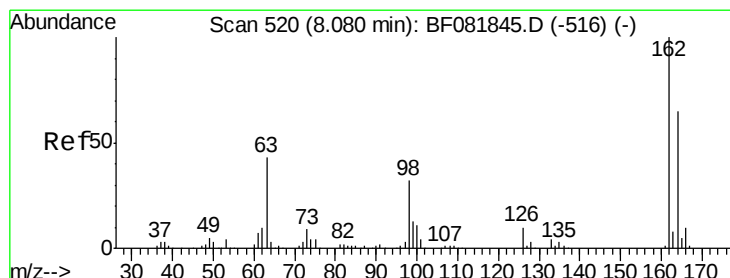
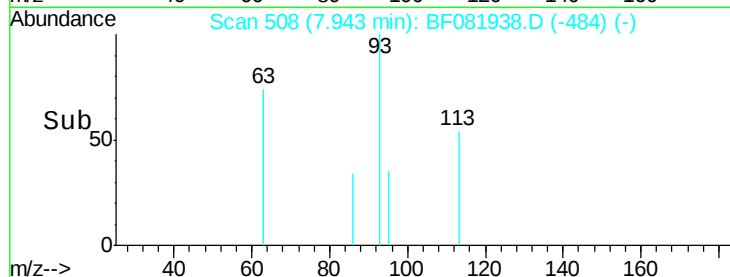
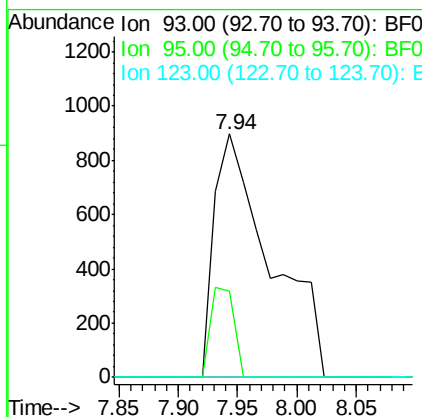
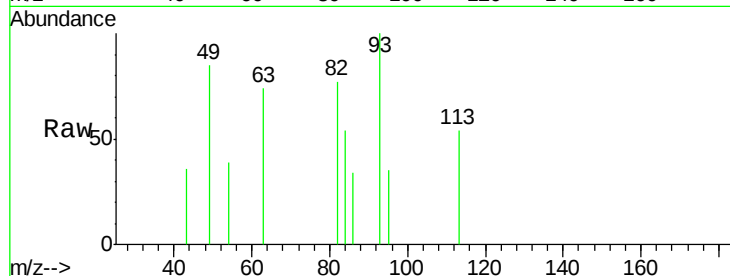




#28
bis(2-Chloroethoxy)methane
Concen: 0.38 ng
RT: 7.94 min Scan# 508
Delta R.T. -0.02 min
Lab File: BF081938.D
Acq: 1 Oct 2015 14:38

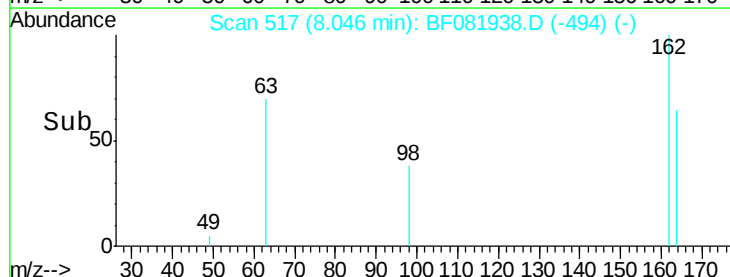
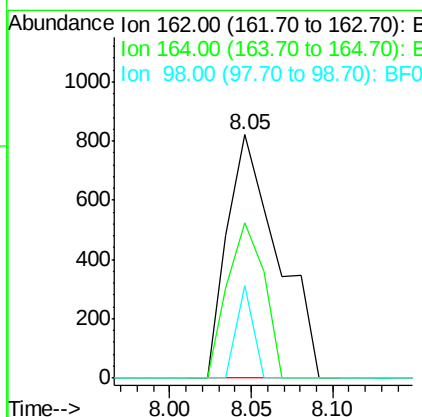
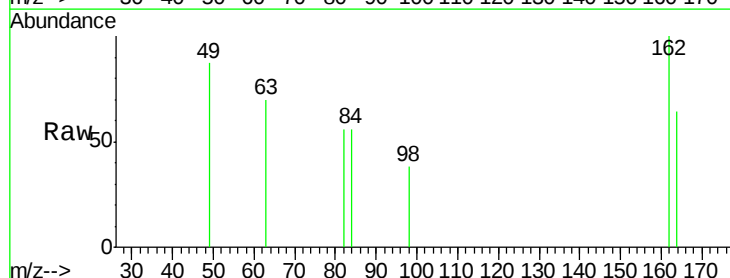
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2015-01

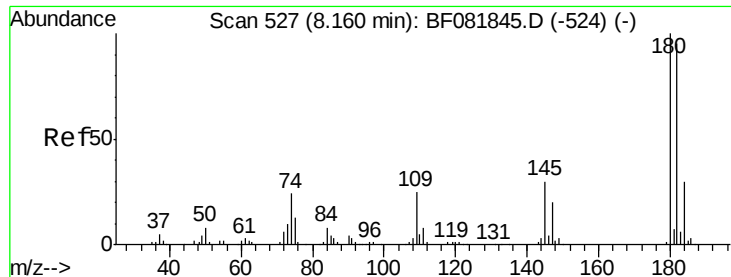
Tgt Ion: 93 Resp: 2952
Ion Ratio Lower Upper
93 100
95 35.4 27.5 41.3
123 0.0 13.7 20.5#



#29
2,4-Dichlorophenol
Concen: 0.30 ng
RT: 8.05 min Scan# 517
Delta R.T. -0.03 min
Lab File: BF081938.D
Acq: 1 Oct 2015 14:38

Tgt Ion: 162 Resp: 1758
Ion Ratio Lower Upper
162 100
164 63.7 44.9 84.9
98 38.1 13.0 53.0

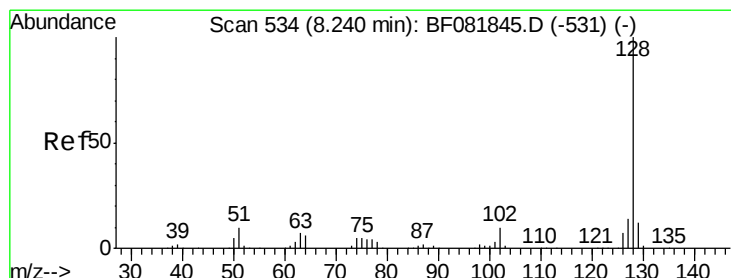
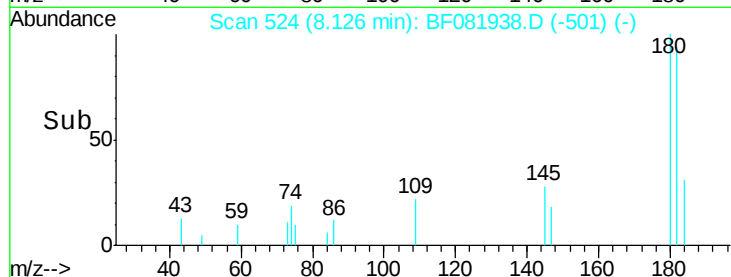
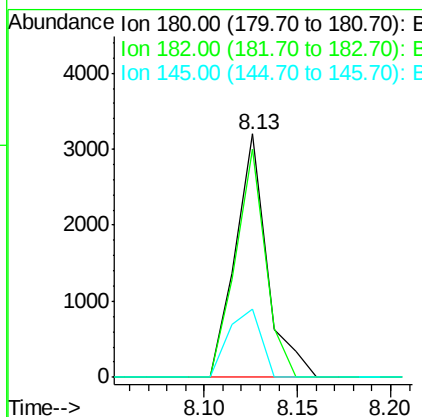
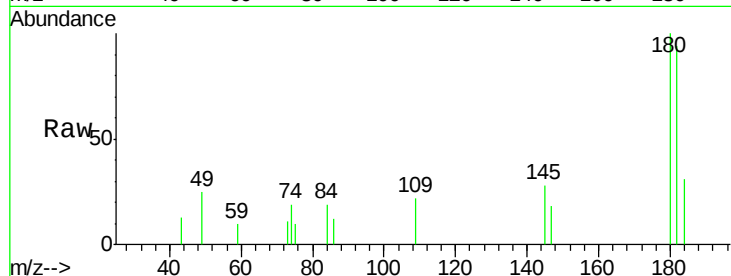




#30
 1,2,4-Trichlorobenzene
 Concen: 0.58 ng
 RT: 8.13 min Scan# 524
 Delta R.T. -0.03 min
 Lab File: BF081938.D
 Acq: 1 Oct 2015 14:38

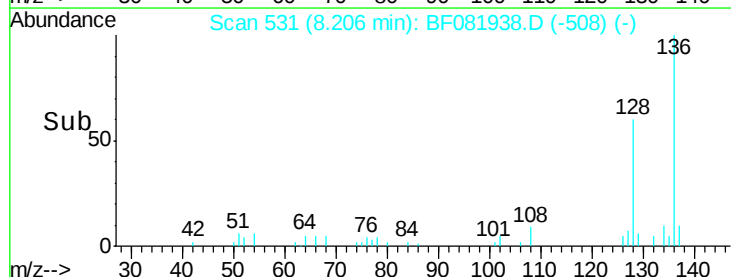
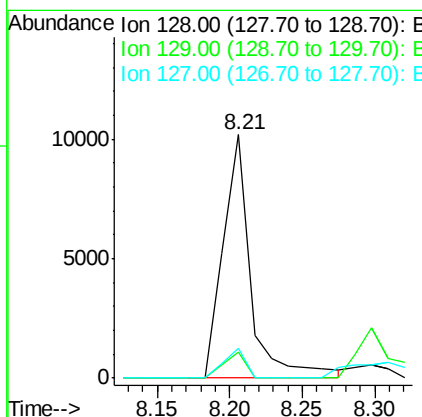
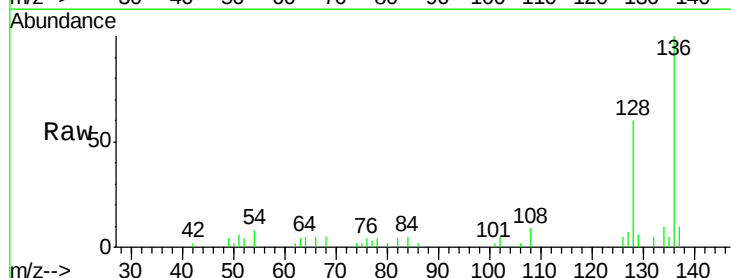
Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2015-01

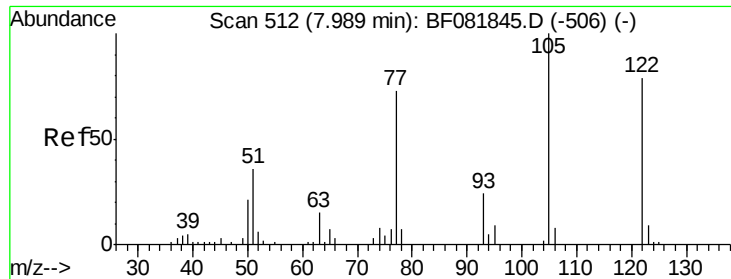
Tgt Ion:180 Resp: 3800
 Ion Ratio Lower Upper
 180 100
 182 93.6 77.1 115.7
 145 28.0 23.3 34.9



#31
 Naphthalene
 Concen: 0.69 ng
 RT: 8.21 min Scan# 531
 Delta R.T. -0.03 min
 Lab File: BF081938.D
 Acq: 1 Oct 2015 14:38

Tgt Ion:128 Resp: 13493
 Ion Ratio Lower Upper
 128 100
 129 10.5 8.4 12.6
 127 12.4 9.9 14.9

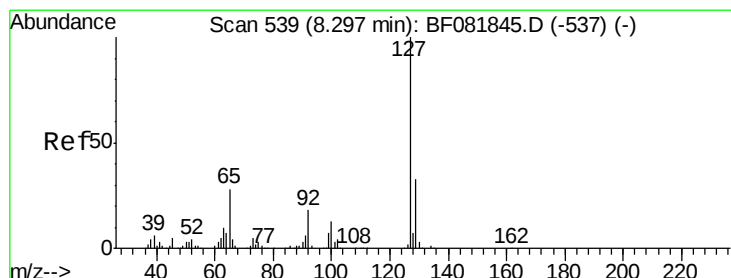
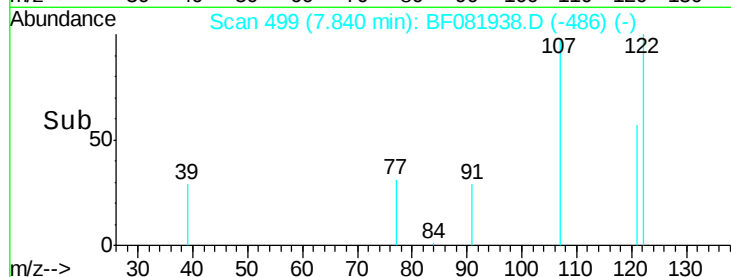
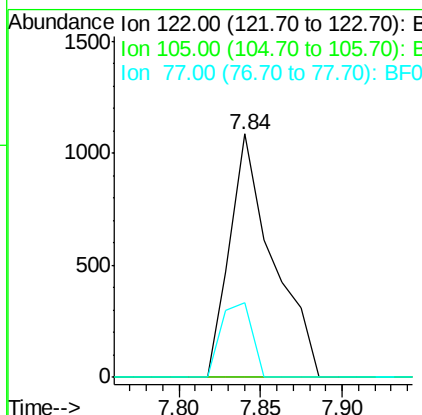
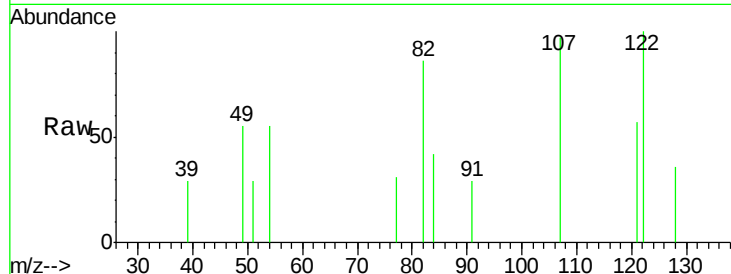




#32
Benzoic acid
Concen: 7.81 ng
RT: 7.84 min Scan# 499
Delta R.T. -0.15 min
Lab File: BF081938.D
Acq: 1 Oct 2015 14:38

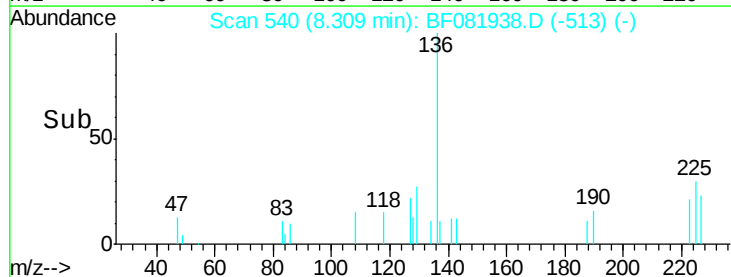
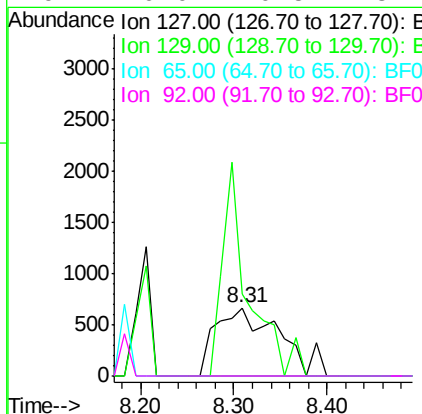
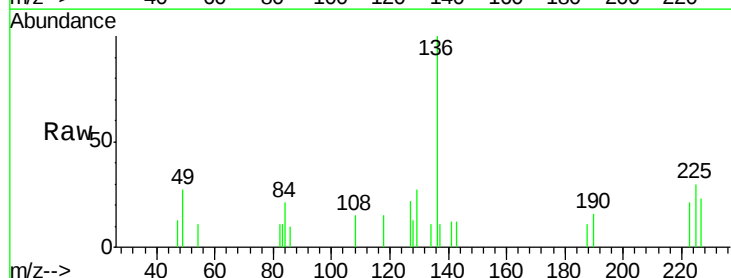
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2015-01

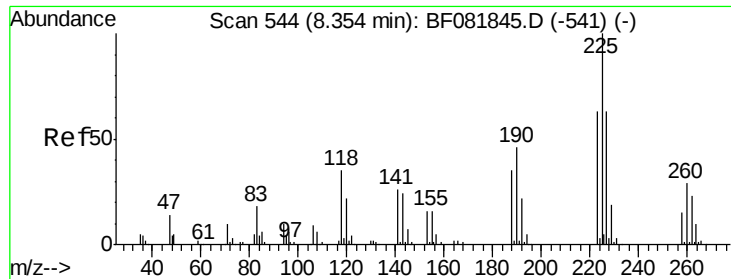
Tgt Ion:122 Resp: 1991
Ion Ratio Lower Upper
122 100
105 0.0 76.1 116.1#
77 30.6 40.5 80.5#



#33
4-Chloroaniline
Concen: 0.38 ng
RT: 8.31 min Scan# 540
Delta R.T. 0.01 min
Lab File: BF081938.D
Acq: 1 Oct 2015 14:38

Tgt Ion:127 Resp: 3209
Ion Ratio Lower Upper
127 100
129 120.8 25.8 38.6#
65 0.0 17.9 26.9#
92 0.0 10.5 15.7#

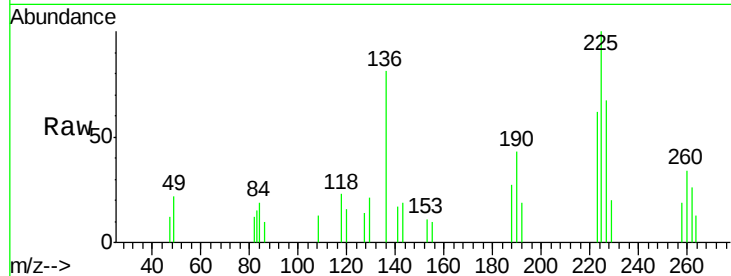




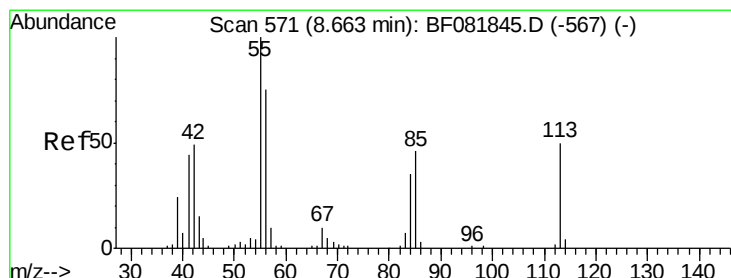
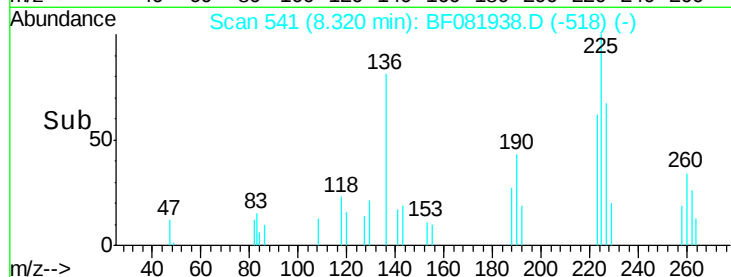
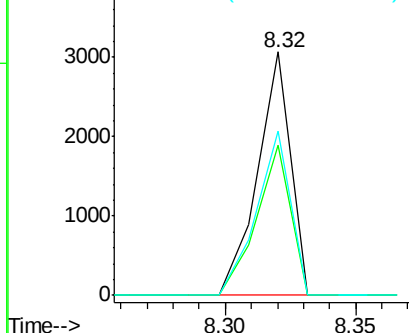
#34
Hexachlorobutadiene
Concen: 0.70 ng
RT: 8.32 min Scan# 541
Delta R.T. -0.03 min
Lab File: BF081938.D
Acq: 1 Oct 2015 14:38

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2015-01

Tgt Ion: 225 Resp: 2720
Ion Ratio Lower Upper
225 100
223 61.7 50.2 75.2
227 67.3 52.2 78.2

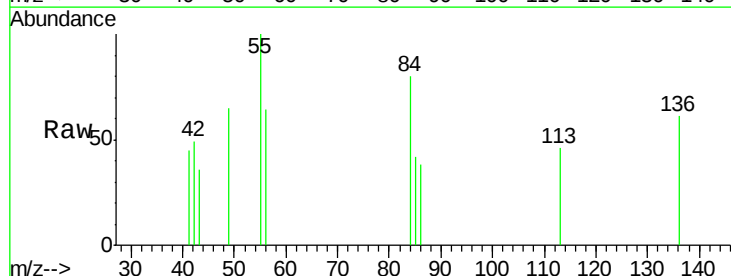


Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E

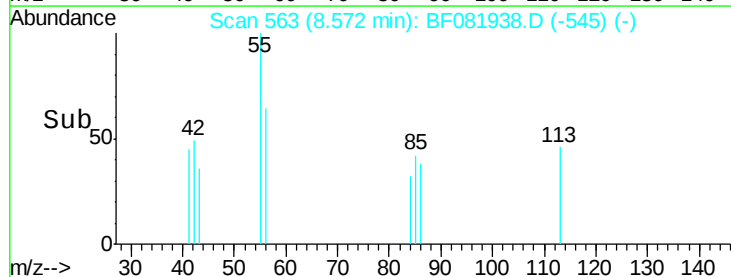
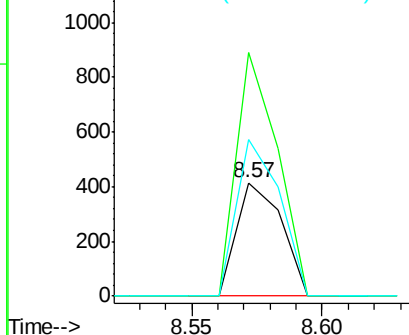


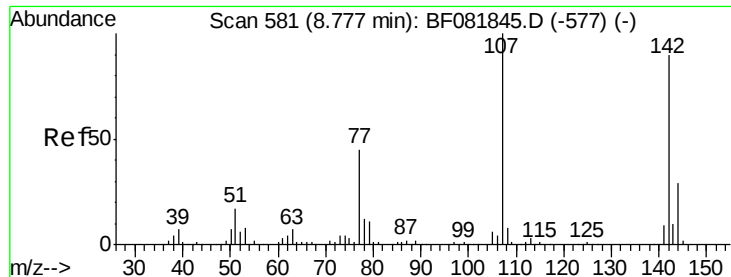
#35
Caprolactam
Concen: 0.31 ng
RT: 8.57 min Scan# 563
Delta R.T. -0.09 min
Lab File: BF081938.D
Acq: 1 Oct 2015 14:38

Tgt Ion: 113 Resp: 501
Ion Ratio Lower Upper
113 100
55 215.2 152.4 192.4#
56 137.9 104.6 144.6



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

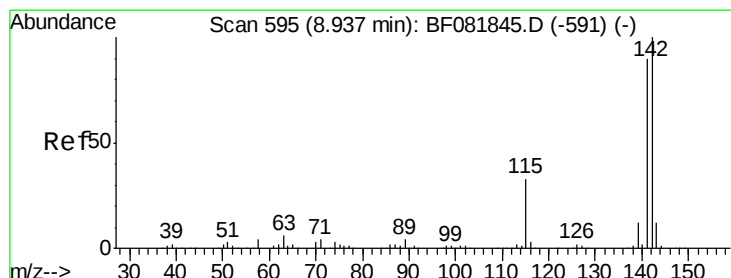
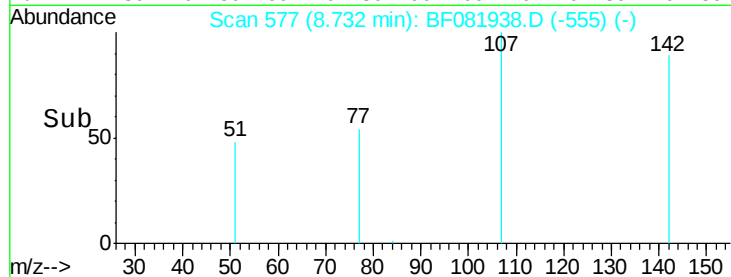
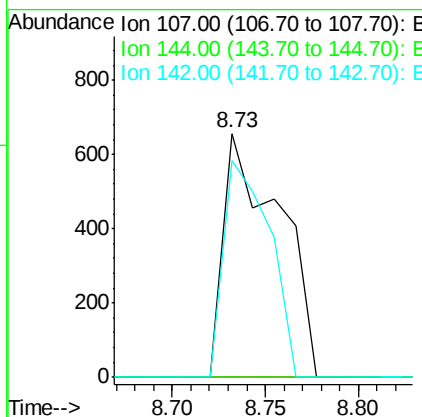
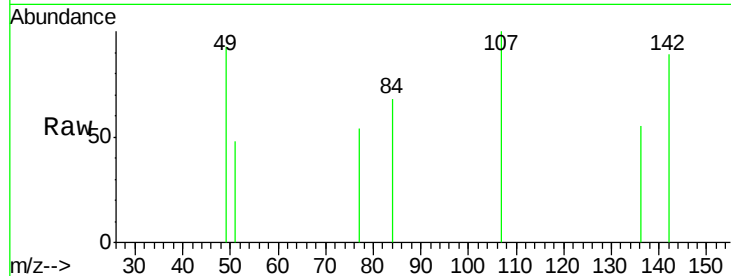




#36
 4-Chloro-3-methylphenol
 Concen: 0.24 ng
 RT: 8.73 min Scan# 577
 Delta R.T. -0.05 min
 Lab File: BF081938.D
 Acq: 1 Oct 2015 14:38

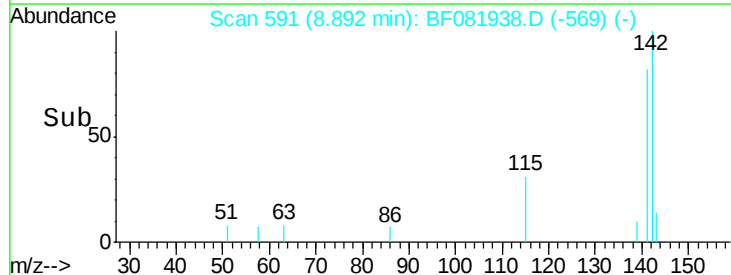
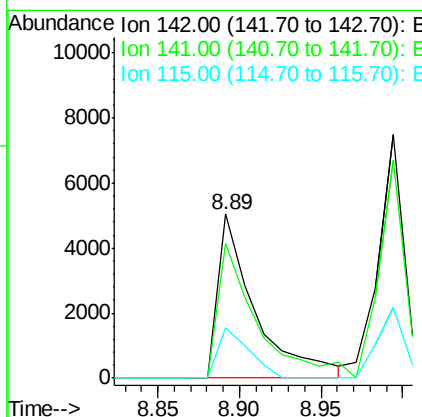
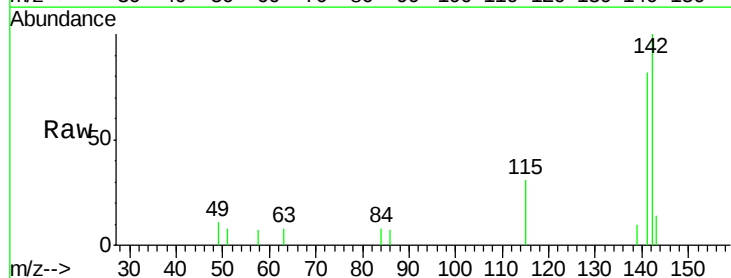
Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2015-01

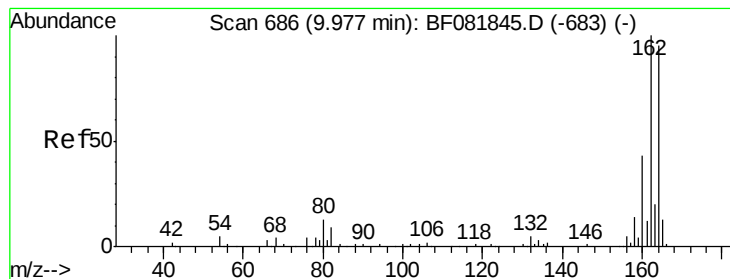
Tgt Ion:107 Resp: 1372
 Ion Ratio Lower Upper
 107 100
 144 0.0 25.4 38.0#
 142 89.0 77.3 115.9



#37
 2-Methylnaphthalene
 Concen: 0.59 ng
 RT: 8.89 min Scan# 591
 Delta R.T. -0.05 min
 Lab File: BF081938.D
 Acq: 1 Oct 2015 14:38

Tgt Ion:142 Resp: 7951
 Ion Ratio Lower Upper
 142 100
 141 82.4 67.5 101.3
 115 31.0 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: BF081938.D

Acq: 1 Oct 2015 14:38

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2015-01

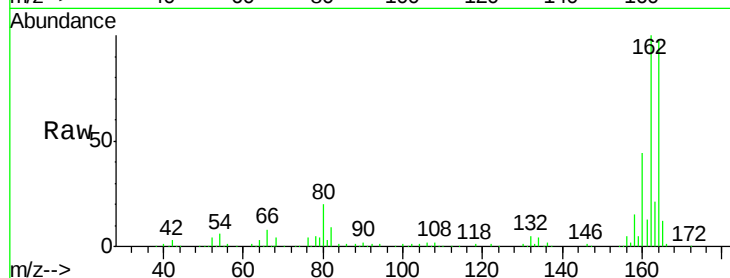
Tgt Ion:164 Resp: 218147

Ion Ratio Lower Upper

164 100

162 102.3 75.2 112.8

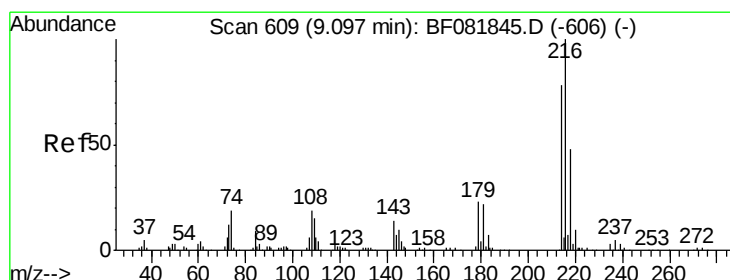
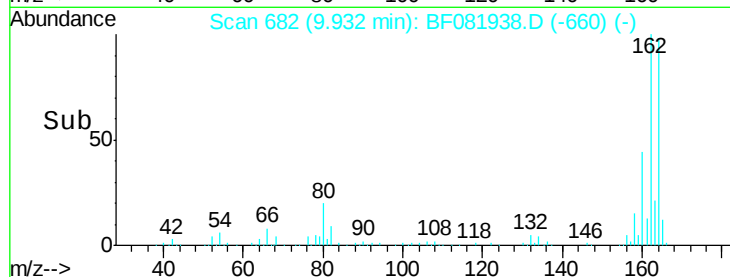
160 45.1 31.5 47.3



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#39

1,2,4,5-Tetrachlorobenzene

Concen: 0.54 ng

RT: 9.06 min Scan# 606

Delta R.T. -0.03 min

Lab File: BF081938.D

Acq: 1 Oct 2015 14:38

Tgt Ion:216 Resp: 3595

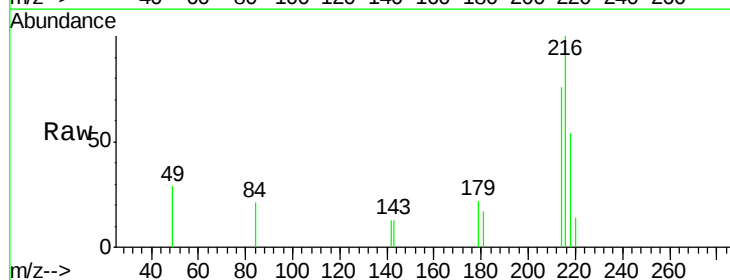
Ion Ratio Lower Upper

216 100

214 79.2 63.5 95.3

179 18.6 16.6 24.8

108 11.1 16.3 24.5#

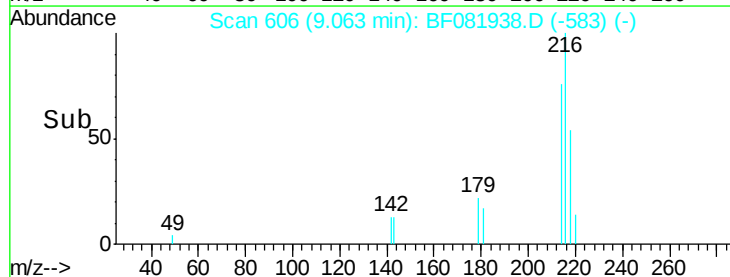


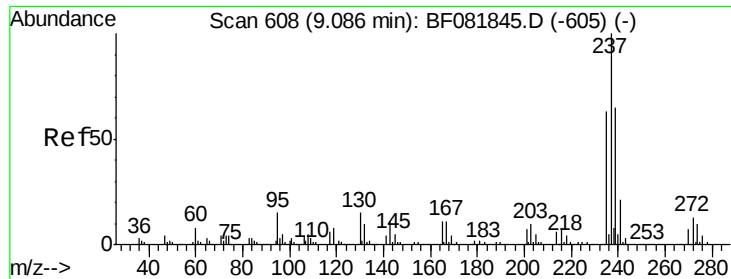
Abundance Ion 216.00 (215.70 to 216.70): E

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

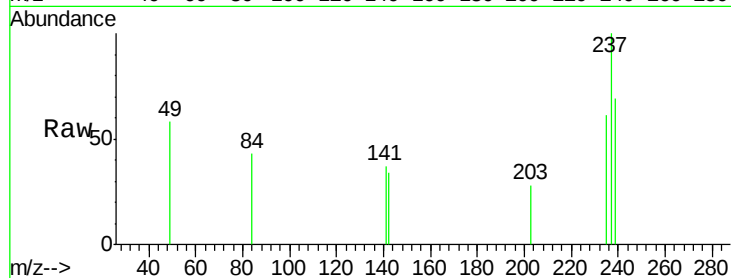




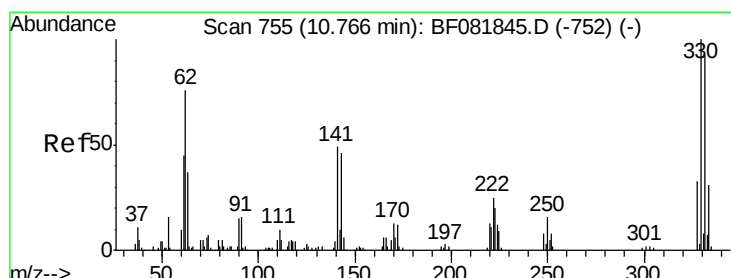
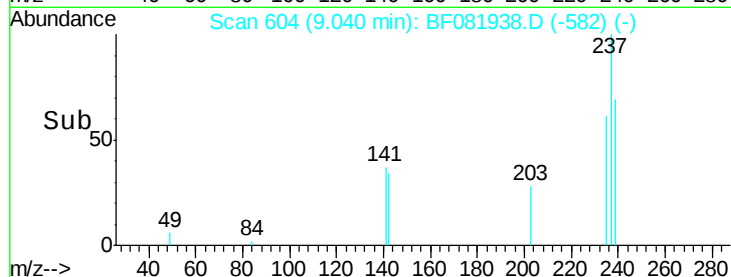
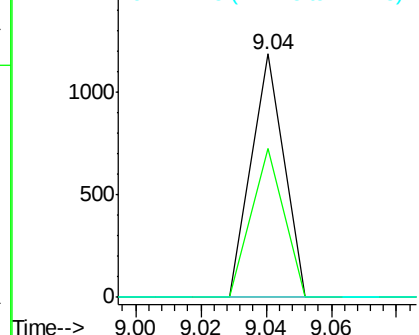
#40
Hexachlorocyclopentadiene
Concen: 0.24 ng
RT: 9.04 min Scan# 604
Delta R.T. -0.04 min
Lab File: BF081938.D
Acq: 1 Oct 2015 14:38

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2015-01

Tgt Ion:237 Resp: 815
Ion Ratio Lower Upper
237 100
235 61.4 42.0 82.0
272 0.0 0.0 36.1

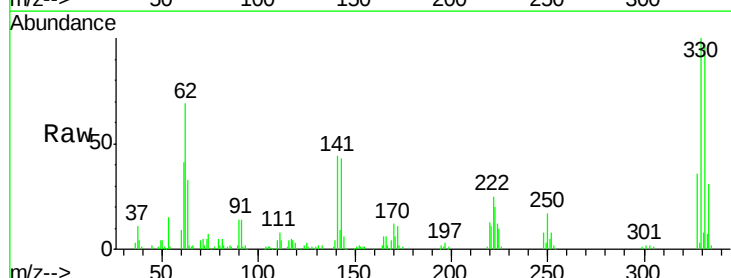


Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E

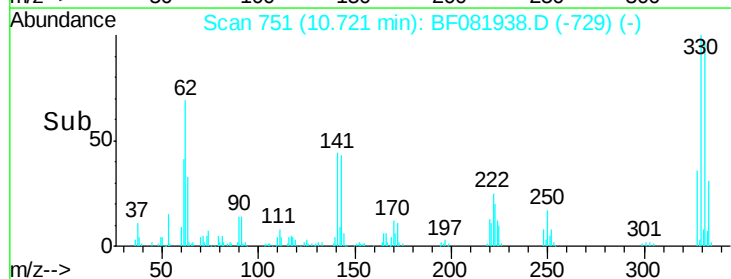
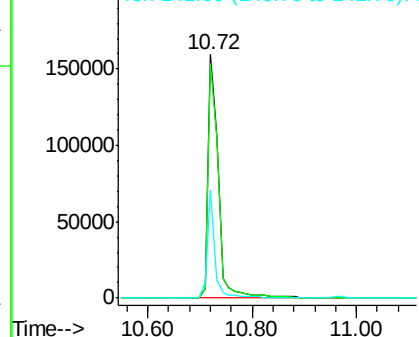


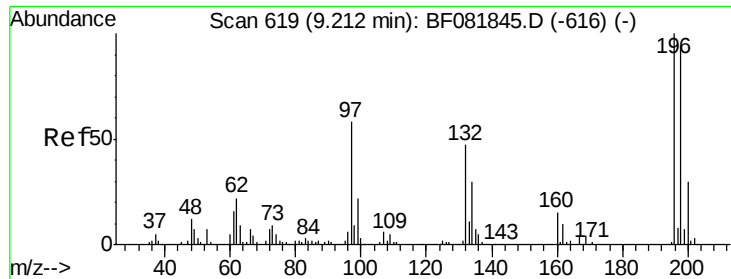
#41
2,4,6-Tribromophenol
Concen: 98.97 ng
RT: 10.72 min Scan# 751
Delta R.T. -0.05 min
Lab File: BF081938.D
Acq: 1 Oct 2015 14:38

Tgt Ion:330 Resp: 218645
Ion Ratio Lower Upper
330 100
332 96.9 76.6 114.8
141 33.5 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

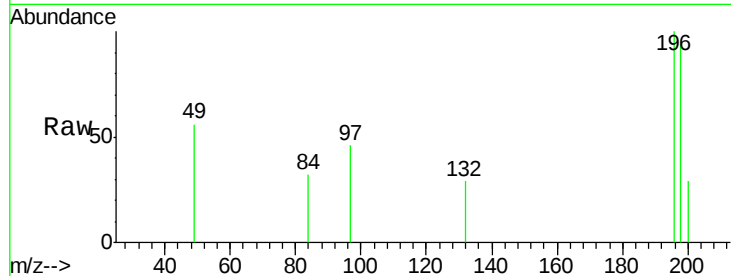




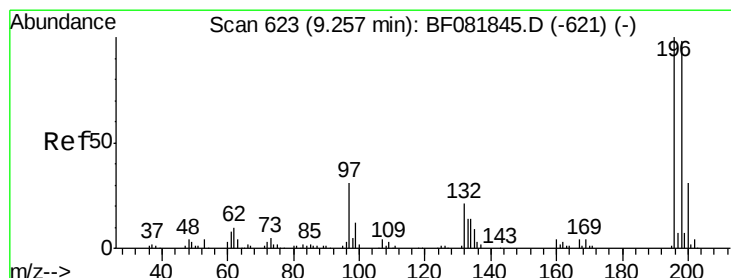
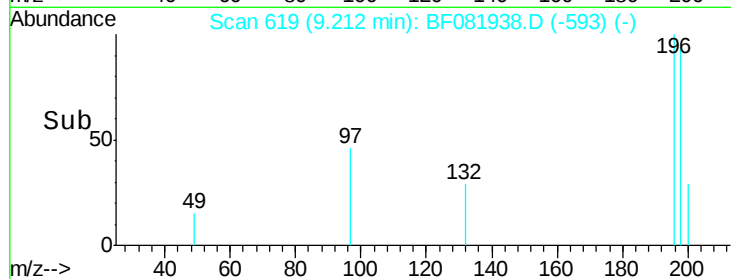
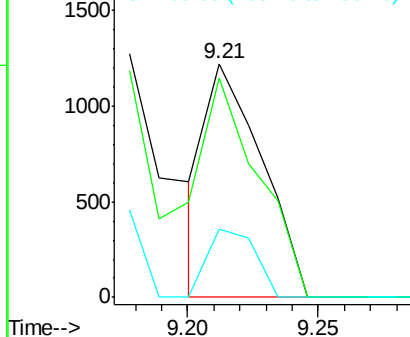
#42
 2,4,6-Trichlorophenol
 Concen: 0.39 ng
 RT: 9.21 min Scan# 619
 Delta R.T. 0.00 min
 Lab File: BF081938.D
 Acq: 1 Oct 2015 14:38

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2015-01

Tgt Ion:196 Resp: 1812
 Ion Ratio Lower Upper
 196 100
 198 93.8 75.7 113.5
 200 29.2 23.9 35.9



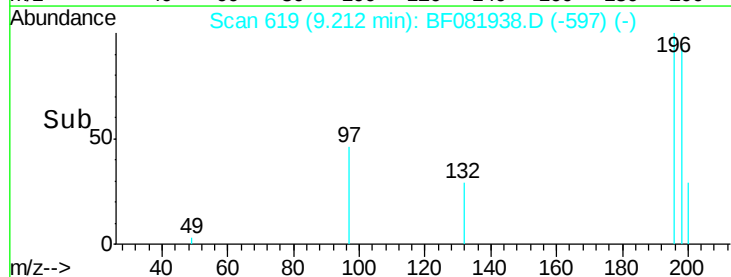
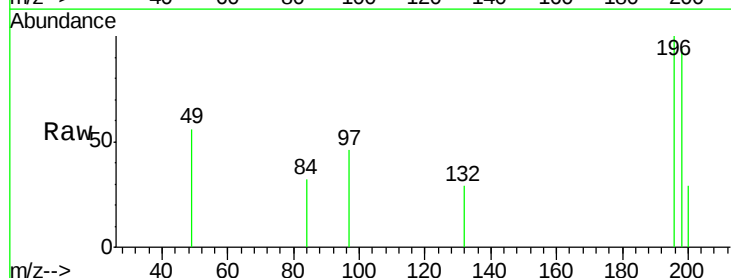
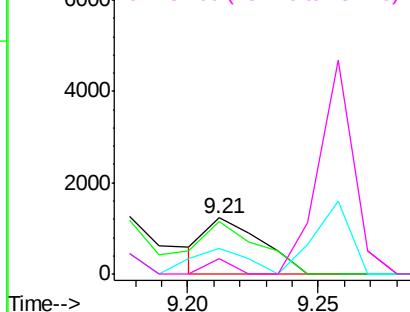
Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E

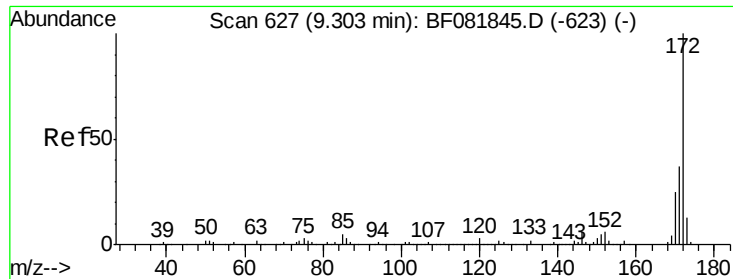


#43
 2,4,5-Trichlorophenol
 Concen: 0.38 ng
 RT: 9.21 min Scan# 619
 Delta R.T. -0.05 min
 Lab File: BF081938.D
 Acq: 1 Oct 2015 14:38

Tgt Ion:196 Resp: 1812
 Ion Ratio Lower Upper
 196 100
 198 93.8 75.4 113.0
 97 46.3 33.3 49.9
 132 28.6 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

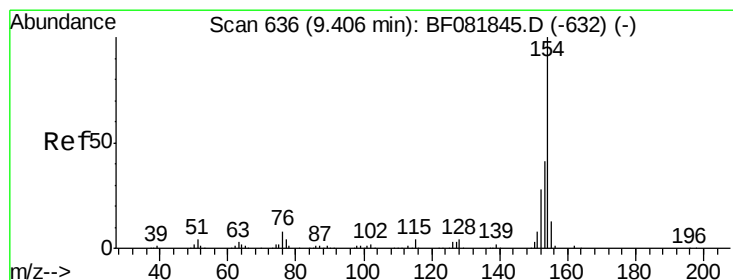
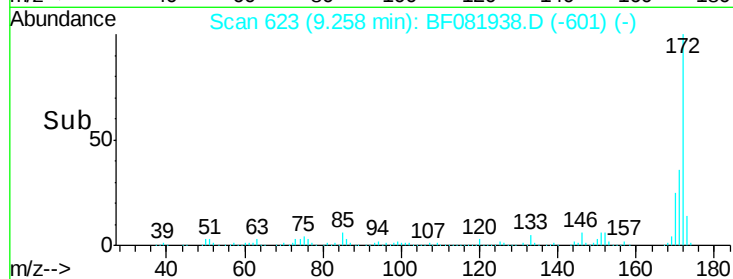
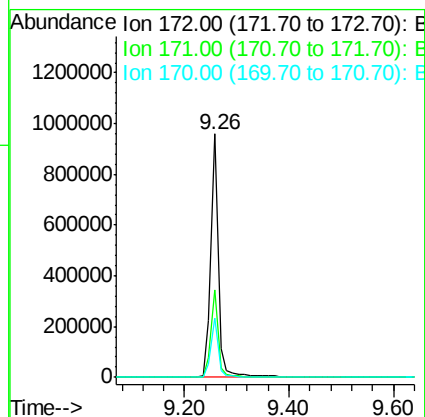
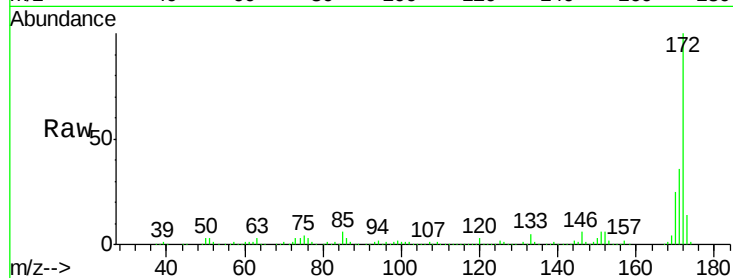




#44
 2-Fluorobiphenyl
 Concen: 73.63 ng
 RT: 9.26 min Scan# 623
 Delta R.T. -0.05 min
 Lab File: BF081938.D
 Acq: 1 Oct 2015 14:38

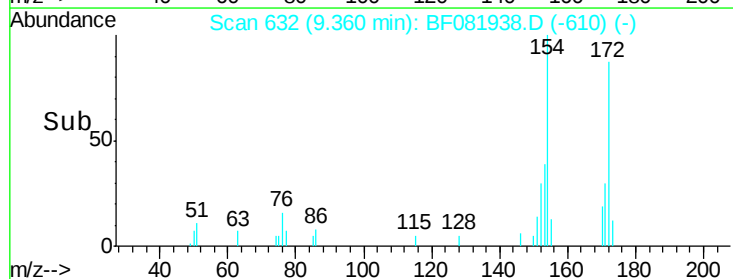
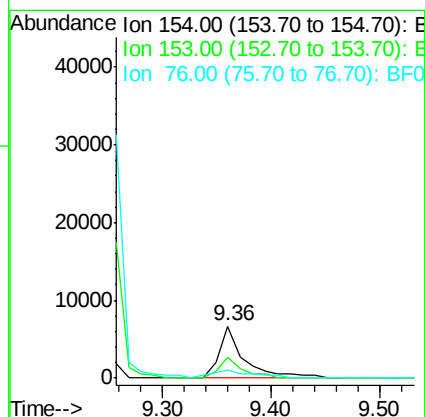
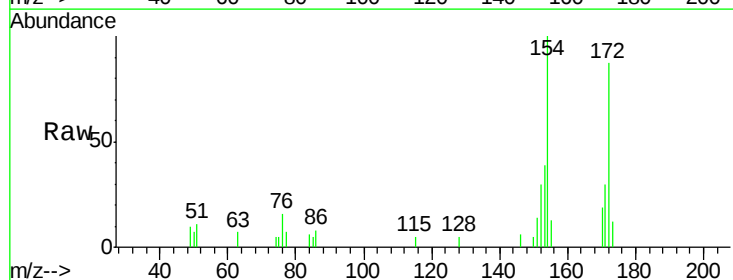
Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2015-01

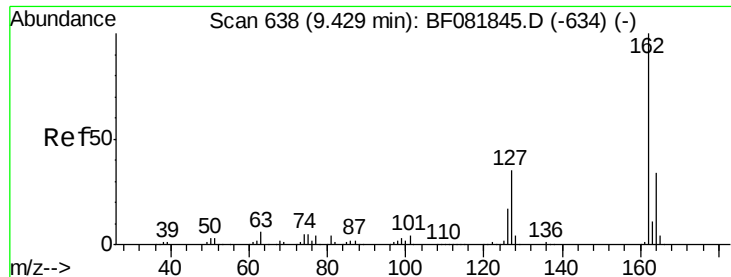
Tgt Ion:172 Resp: 985134
 Ion Ratio Lower Upper
 172 100
 171 36.0 26.1 39.1
 170 24.6 17.4 26.2



#45
 1,1'-Biphenyl
 Concen: 0.64 ng
 RT: 9.36 min Scan# 632
 Delta R.T. -0.05 min
 Lab File: BF081938.D
 Acq: 1 Oct 2015 14:38

Tgt Ion:154 Resp: 10833
 Ion Ratio Lower Upper
 154 100
 153 39.1 17.1 57.1
 76 16.4 0.0 31.6

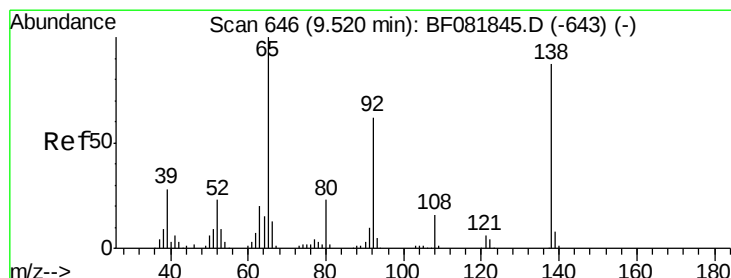
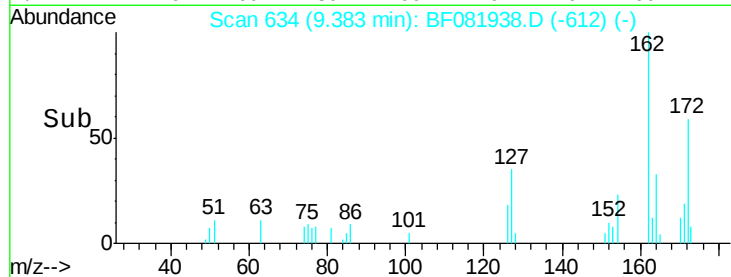
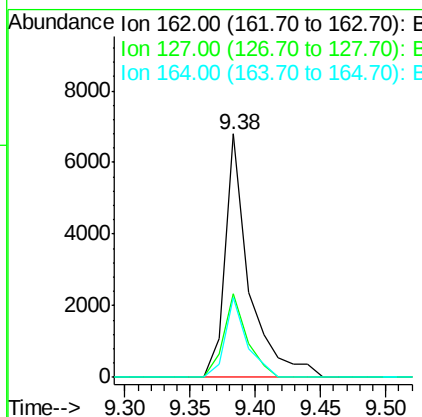
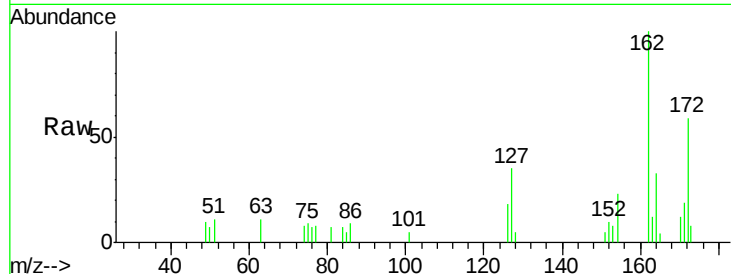




#46
 2-Chloronaphthalene
 Concen: 0.66 ng
 RT: 9.38 min Scan# 634
 Delta R.T. -0.05 min
 Lab File: BF081938.D
 Acq: 1 Oct 2015 14:38

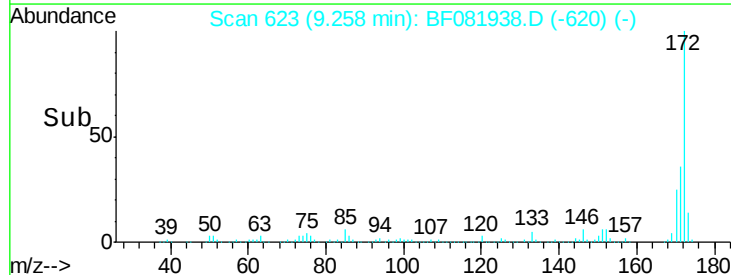
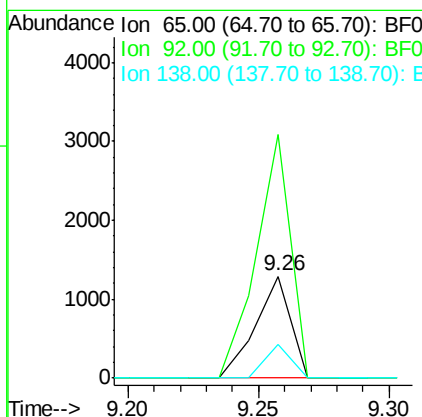
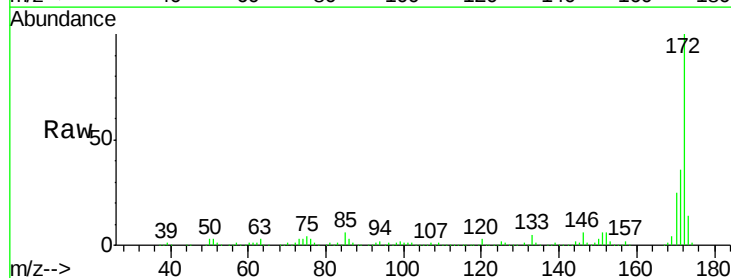
Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2015-01

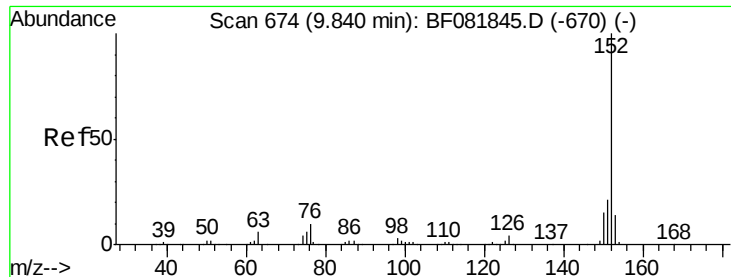
Tgt Ion: 162 Resp: 8723
 Ion Ratio Lower Upper
 162 100
 127 34.5 27.6 41.4
 164 32.8 25.4 38.2



#47
 2-Nitroaniline
 Concen: 0.31 ng
 RT: 9.26 min Scan# 623
 Delta R.T. -0.26 min
 Lab File: BF081938.D
 Acq: 1 Oct 2015 14:38

Tgt Ion: 65 Resp: 1215
 Ion Ratio Lower Upper
 65 100
 92 239.7 55.4 83.0#
 138 33.3 115.5 173.3#





#48

Acenaphthylene

Concen: 0.66 ng

RT: 9.79 min Scan# 670

Delta R.T. -0.05 min

Lab File: BF081938.D

Acq: 1 Oct 2015 14:38

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2015-01

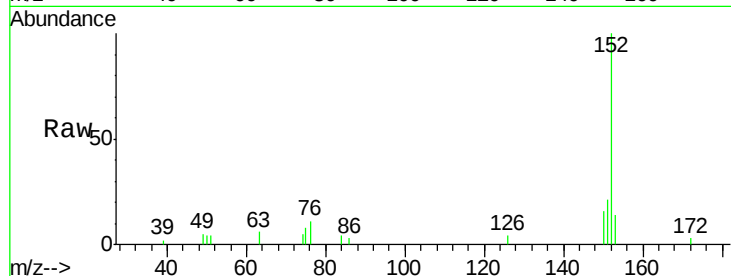
Tgt Ion:152 Resp: 14024

Ion Ratio Lower Upper

152 100

151 20.8 14.6 22.0

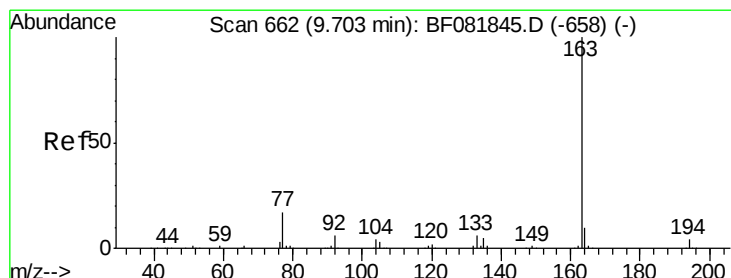
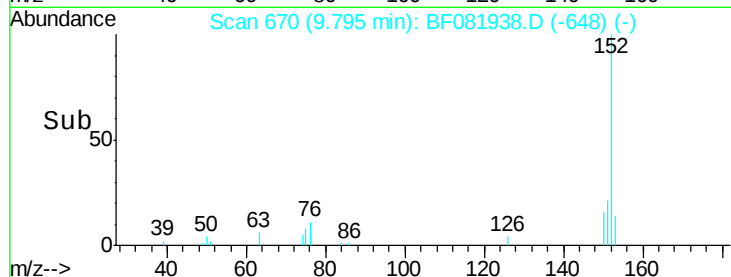
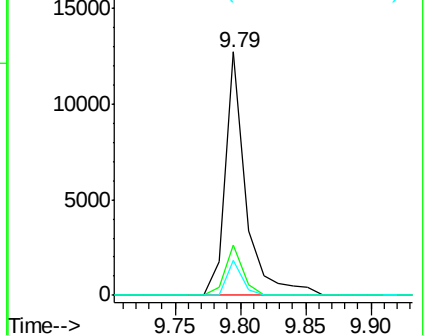
153 14.2 10.3 15.5



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: 0.62 ng

RT: 9.65 min Scan# 657

Delta R.T. -0.06 min

Lab File: BF081938.D

Acq: 1 Oct 2015 14:38

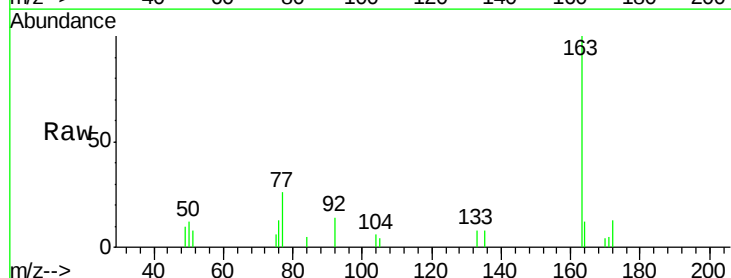
Tgt Ion:163 Resp: 9287

Ion Ratio Lower Upper

163 100

194 0.0 4.4 6.6#

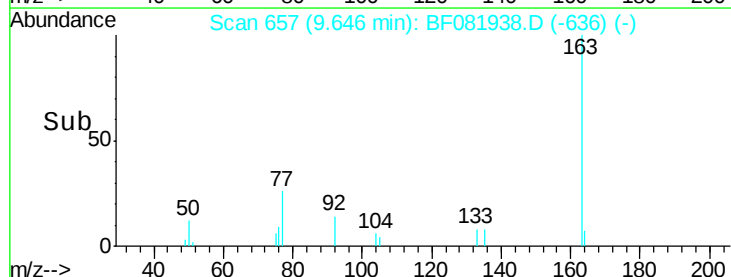
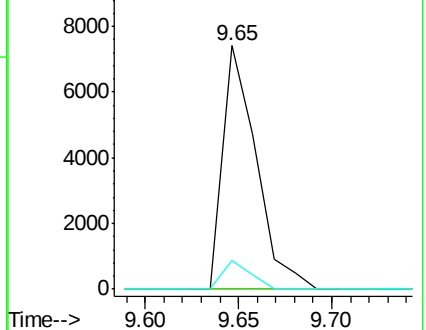
164 11.8 8.3 12.5

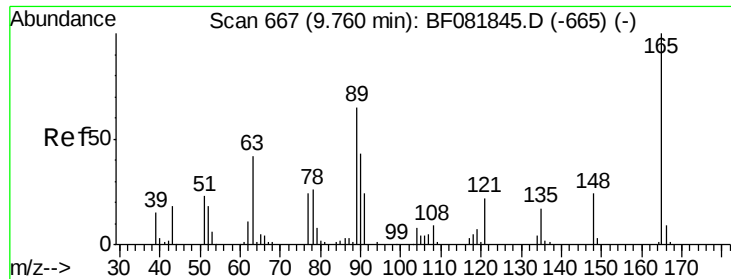


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

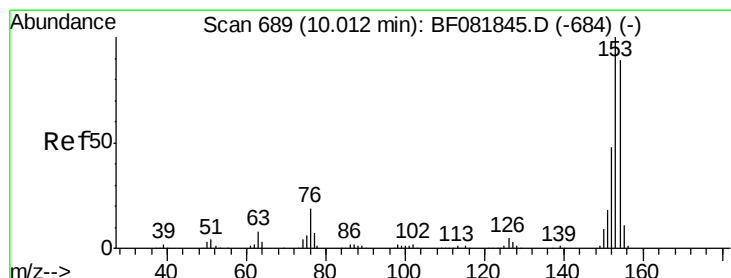
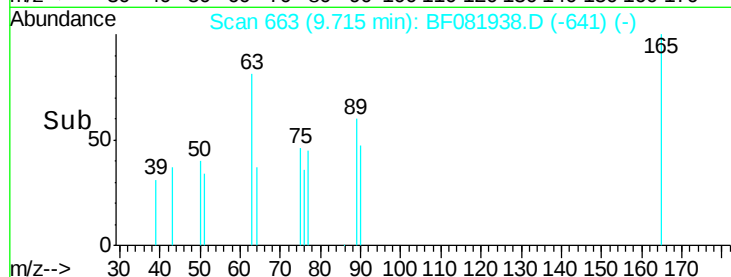
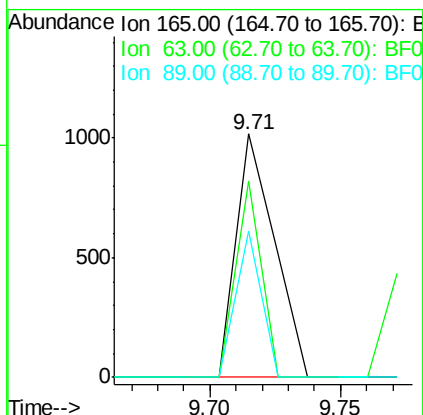
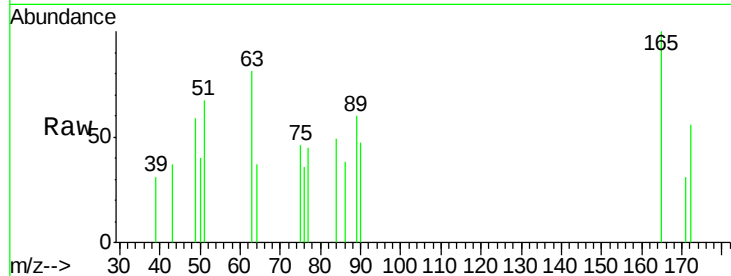




#50
2,6-Dinitrotoluene
Concen: 0.32 ng
RT: 9.71 min Scan# 663
Delta R.T. -0.05 min
Lab File: BF081938.D
Acq: 1 Oct 2015 14:38

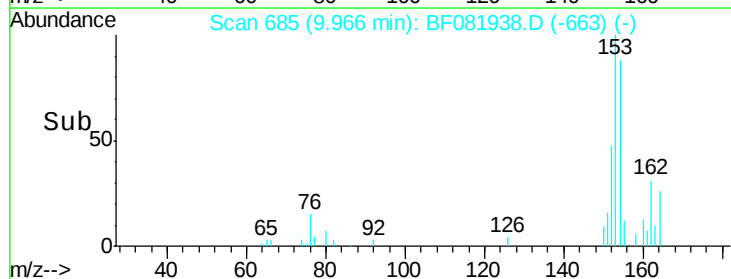
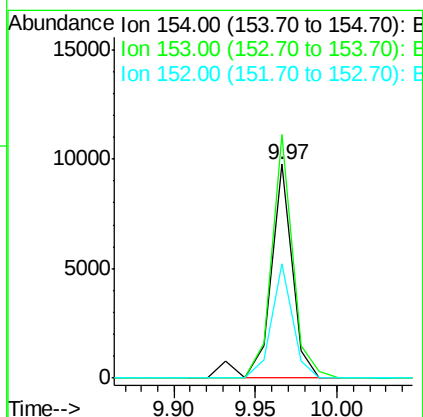
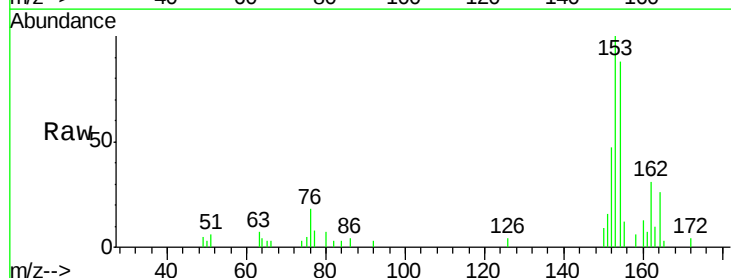
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2015-01

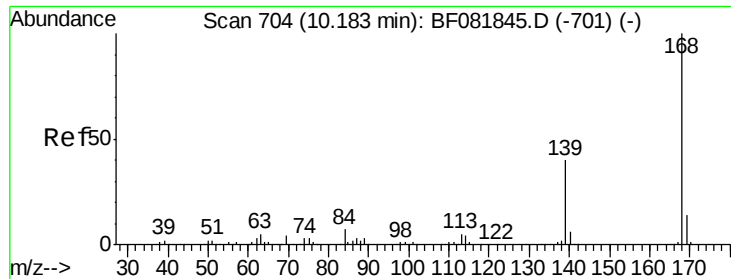
Tgt Ion:165 Resp: 1053
Ion Ratio Lower Upper
165 100
63 80.7 32.3 48.5#
89 60.1 28.6 43.0#



#51
Acenaphthene
Concen: 0.72 ng
RT: 9.97 min Scan# 685
Delta R.T. -0.05 min
Lab File: BF081938.D
Acq: 1 Oct 2015 14:38

Tgt Ion:154 Resp: 9076
Ion Ratio Lower Upper
154 100
153 113.9 82.1 123.1
152 53.8 37.9 56.9

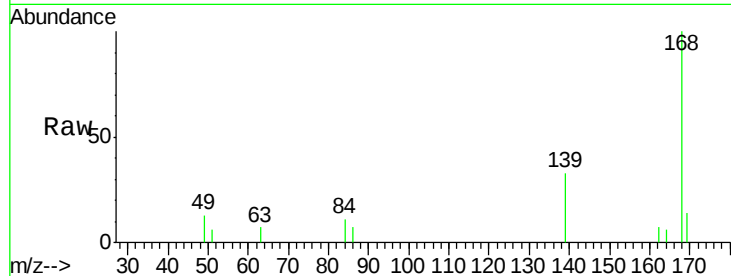




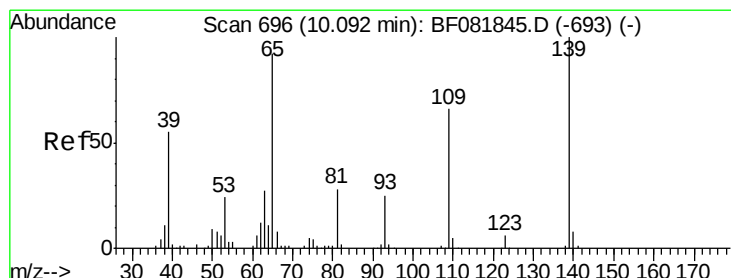
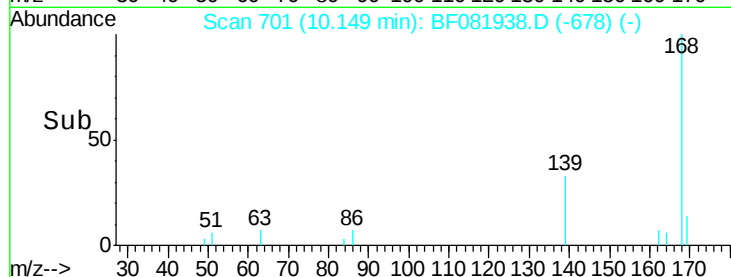
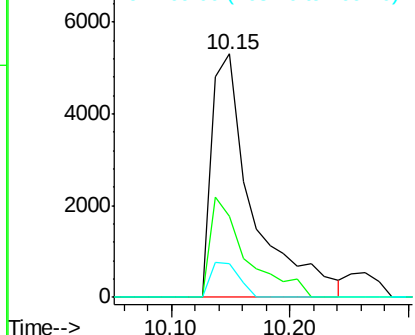
#54
Dibenzenofuran
Concen: 0.71 ng
RT: 10.15 min Scan# 701
Delta R.T. -0.03 min
Lab File: BF081938.D
Acq: 1 Oct 2015 14:38

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2015-01

Tgt Ion:168 Resp: 12674
Ion Ratio Lower Upper
168 100
139 33.1 24.2 36.2
169 13.6 10.6 15.8

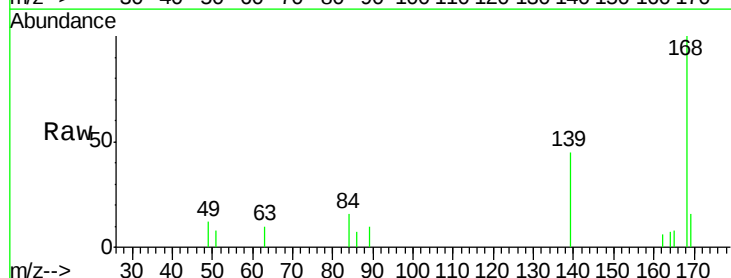


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

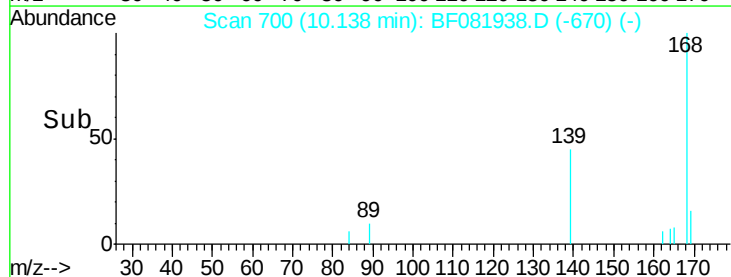
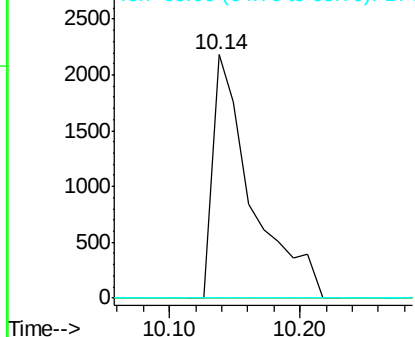


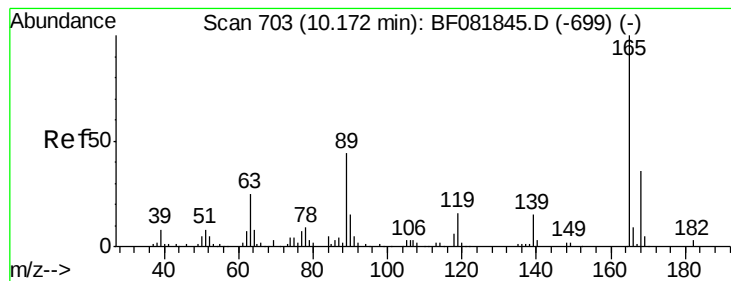
#55
4-Nitrophenol
Concen: 1.67 ng
RT: 10.14 min Scan# 700
Delta R.T. 0.05 min
Lab File: BF081938.D
Acq: 1 Oct 2015 14:38

Tgt Ion:139 Resp: 4561
Ion Ratio Lower Upper
139 100
109 0.0 12.7 52.7#
65 0.0 45.9 85.9#



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

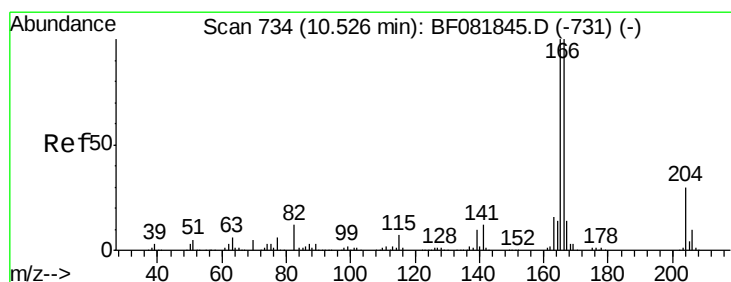
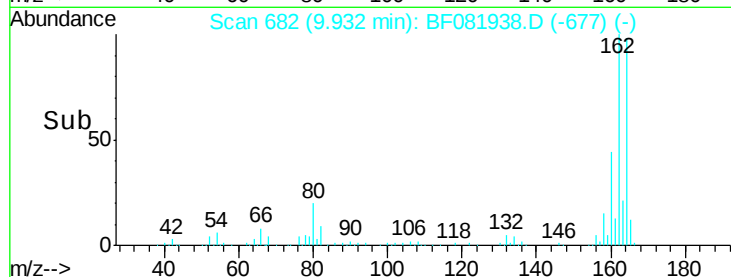
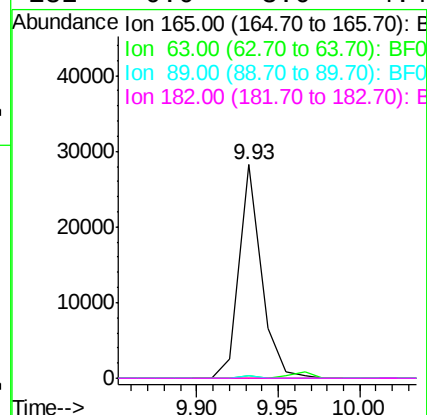
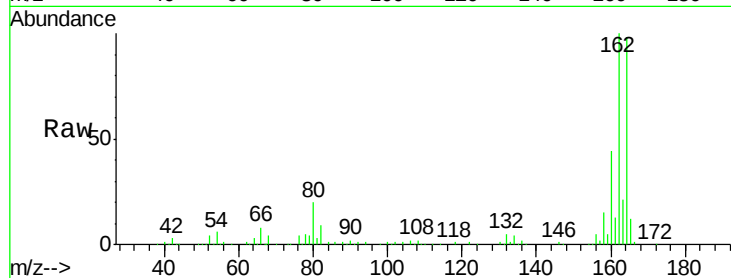




#56
2,4-Dinitrotoluene
Concen: 6.35 ng
RT: 9.93 min Scan# 682
Delta R.T. -0.24 min
Lab File: BF081938.D
Acq: 1 Oct 2015 14:38

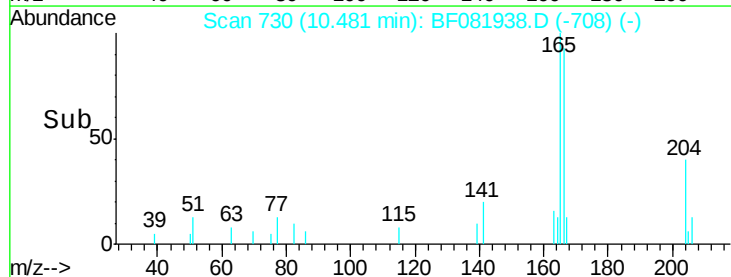
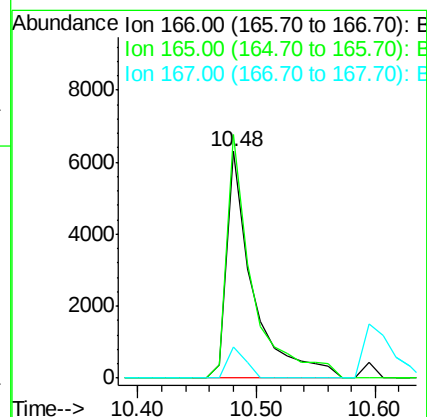
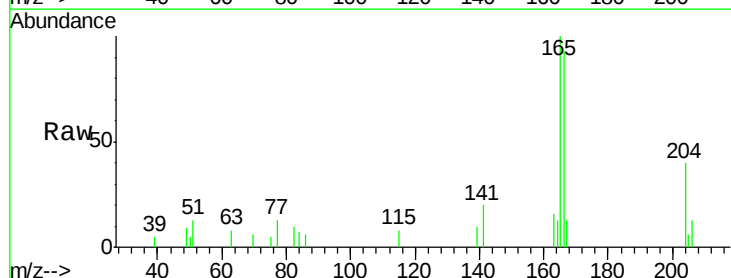
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2015-01

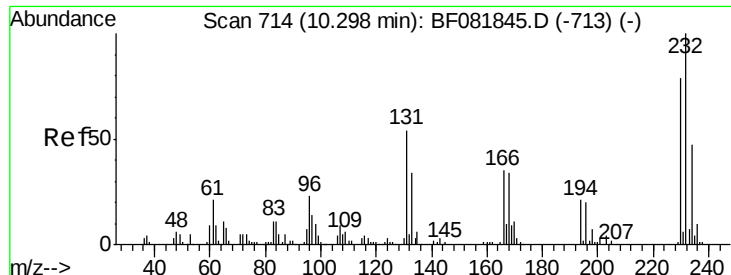
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	29.8	44.6#
89	1.3	44.5	66.7#
182	0.0	3.0	4.4#



#57
Fluorene
Concen: Below Cal
RT: 10.48 min Scan# 730
Delta R.T. -0.05 min
Lab File: BF081938.D
Acq: 1 Oct 2015 14:38

Tgt Ion	Ratio	Lower	Upper
166	100		
165	107.4	72.6	109.0
167	13.8	10.6	16.0

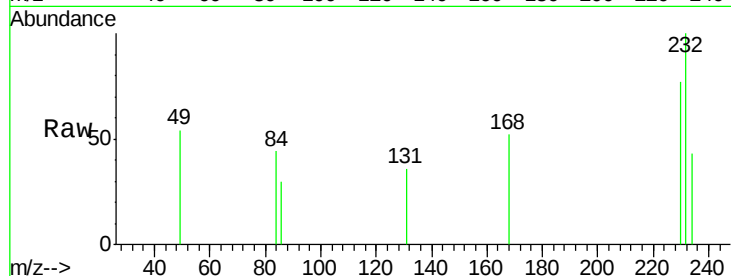




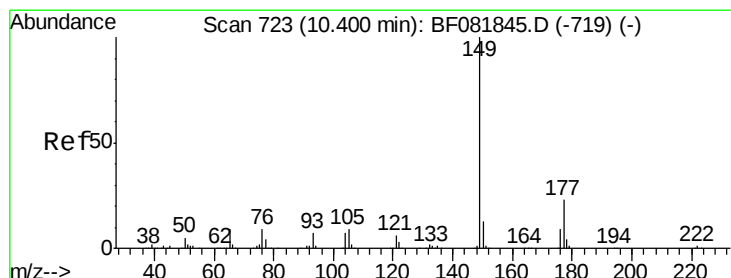
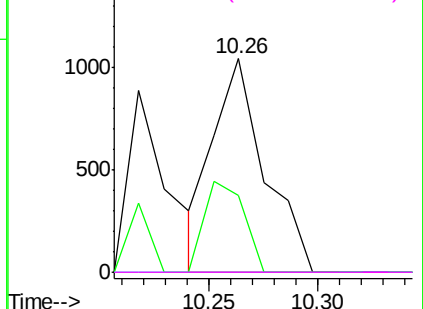
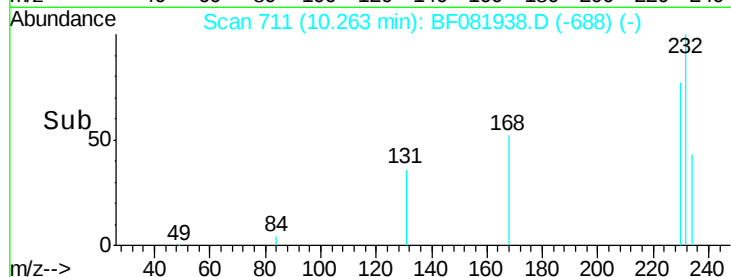
#58
 2,3,4,6-Tetrachlorophenol
 Concen: 0.46 ng
 RT: 10.26 min Scan# 711
 Delta R.T. -0.03 min
 Lab File: BF081938.D
 Acq: 1 Oct 2015 14:38

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2015-01

Tgt Ion: 232 Resp: 1717
 Ion Ratio Lower Upper
 232 100
 131 33.0 38.5 57.7#
 130 0.0 1.8 2.6#
 166 0.0 25.0 37.6#

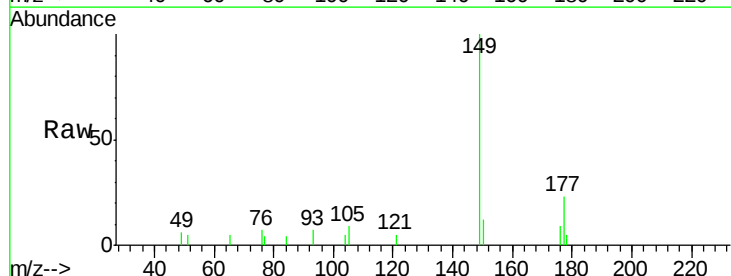


Abundance Ion 232.00 (231.70 to 232.70): E
 Ion 131.00 (130.70 to 131.70): E
 Ion 130.00 (129.70 to 130.70): E
 Ion 166.00 (165.70 to 166.70): E

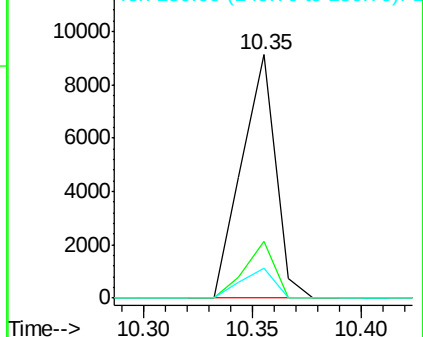
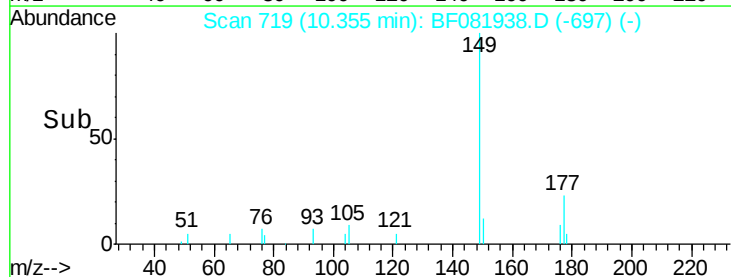


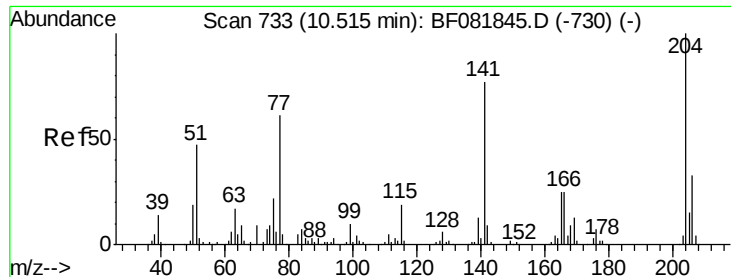
#59
 Diethylphthalate
 Concen: 0.70 ng
 RT: 10.35 min Scan# 719
 Delta R.T. -0.05 min
 Lab File: BF081938.D
 Acq: 1 Oct 2015 14:38

Tgt Ion: 149 Resp: 9879
 Ion Ratio Lower Upper
 149 100
 177 23.3 17.5 26.3
 150 12.0 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

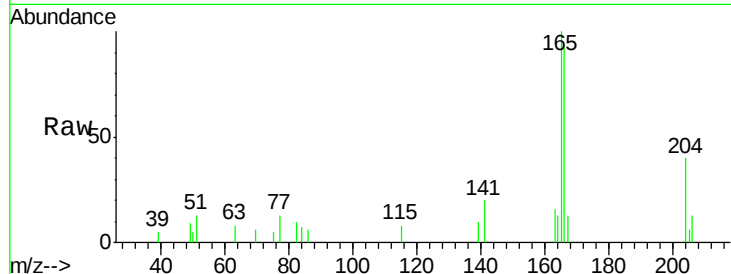




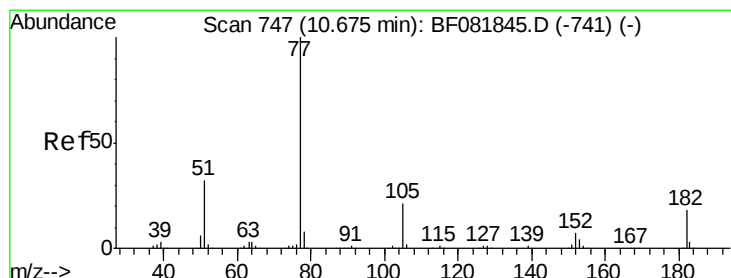
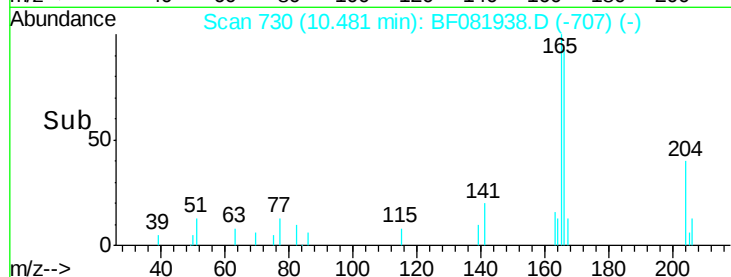
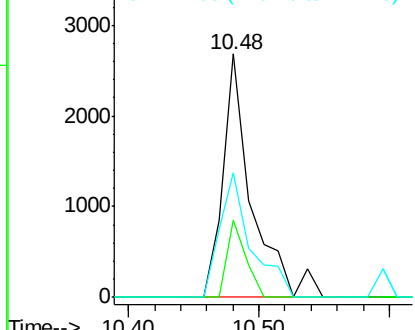
#60
4-Chlorophenyl-phenylether
Concen: 0.63 ng
RT: 10.48 min Scan# 730
Delta R.T. -0.03 min
Lab File: BF081938.D
Acq: 1 Oct 2015 14:38

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2015-01

Tgt Ion: 204 Resp: 4124
Ion Ratio Lower Upper
204 100
206 31.6 24.8 37.2
141 51.3 42.2 63.4

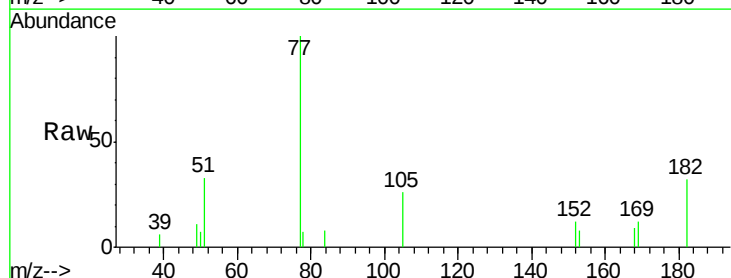


Abundance Ion 204.00 (203.70 to 204.70): E
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E

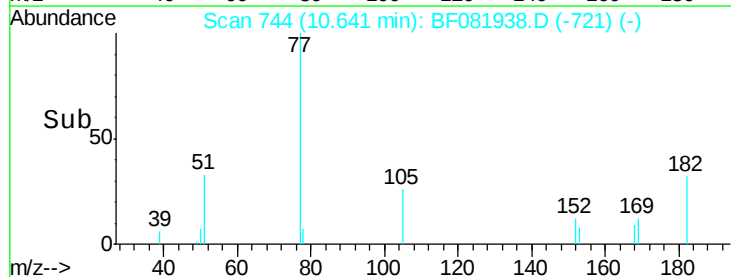
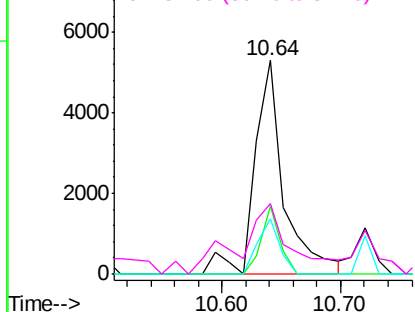


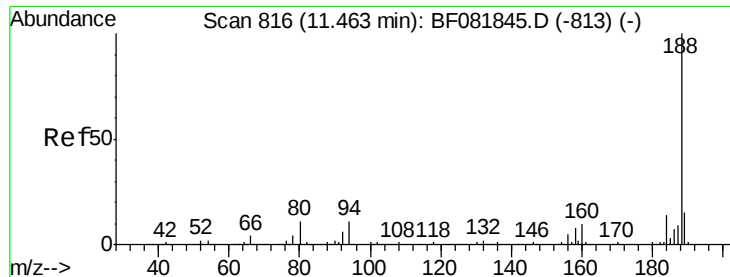
#62
Azobenzene
Concen: 0.67 ng
RT: 10.64 min Scan# 744
Delta R.T. -0.03 min
Lab File: BF081938.D
Acq: 1 Oct 2015 14:38

Tgt Ion: 77 Resp: 9136
Ion Ratio Lower Upper
77 100
182 31.8 15.1 55.1
105 25.6 3.4 43.4
51 32.7 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

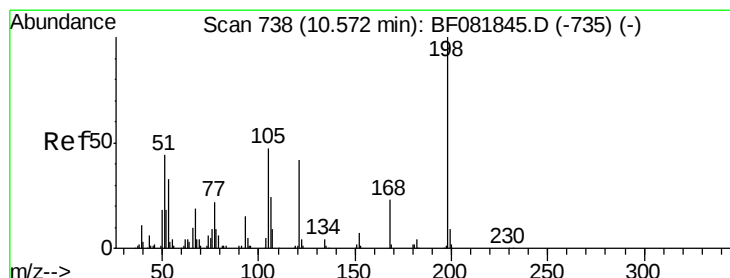
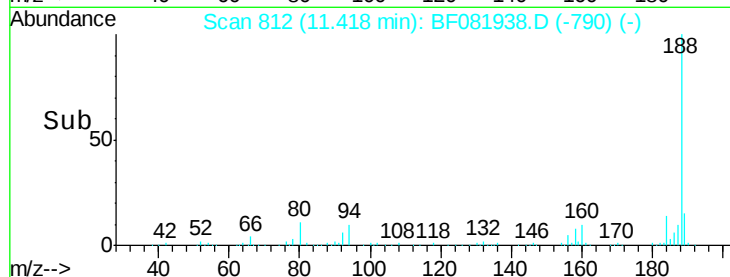
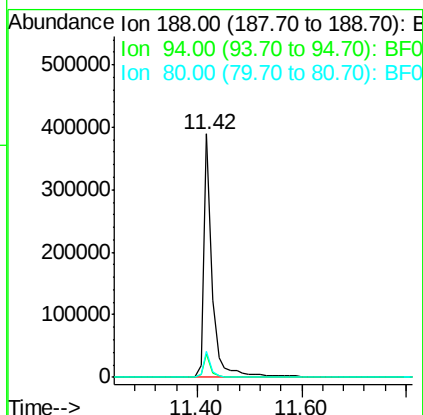
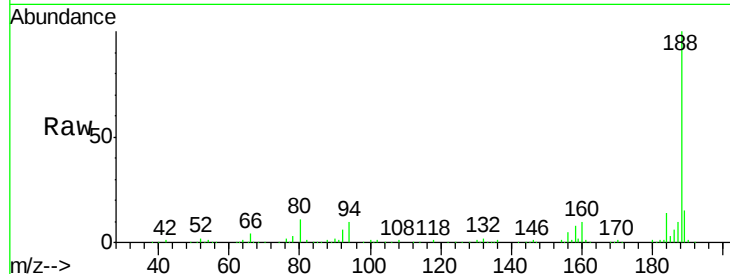




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.42 min Scan# 812
Delta R.T. -0.05 min
Lab File: BF081938.D
Acq: 1 Oct 2015 14:38

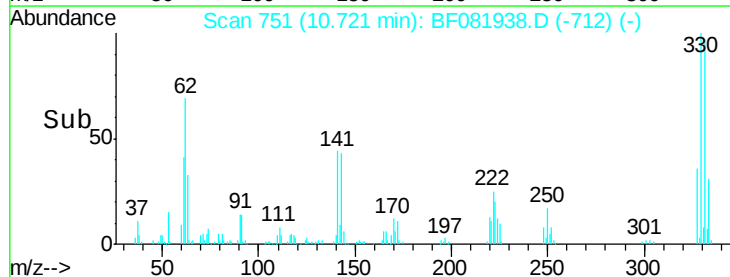
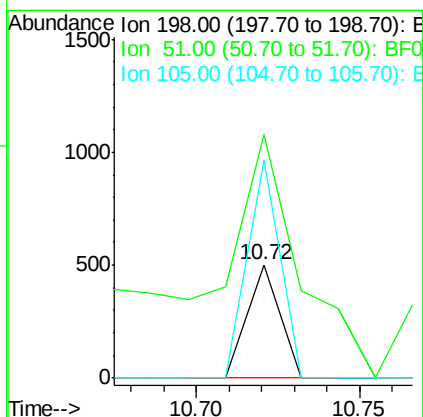
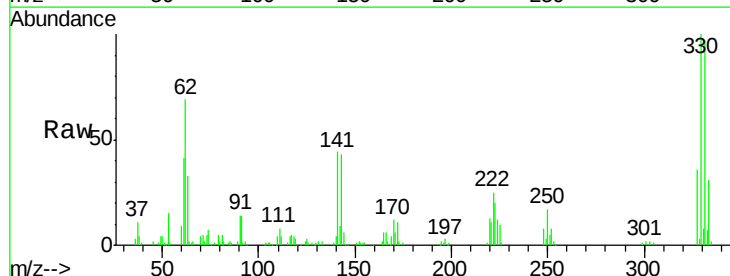
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2015-01

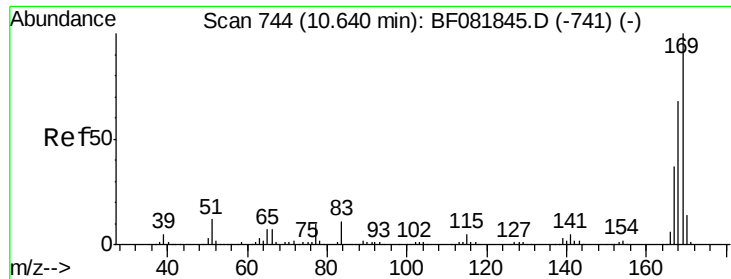
Tgt Ion:188 Resp: 441147
Ion Ratio Lower Upper
188 100
94 9.9 11.1 16.7#
80 10.8 11.0 16.4#



#64
4,6-Dinitro-2-methylphenol
Concen: 1.36 ng
RT: 10.72 min Scan# 751
Delta R.T. 0.15 min
Lab File: BF081938.D
Acq: 1 Oct 2015 14:38

Tgt Ion:198 Resp: 344
Ion Ratio Lower Upper
198 100
51 214.7 39.6 79.6#
105 192.6 28.5 68.5#

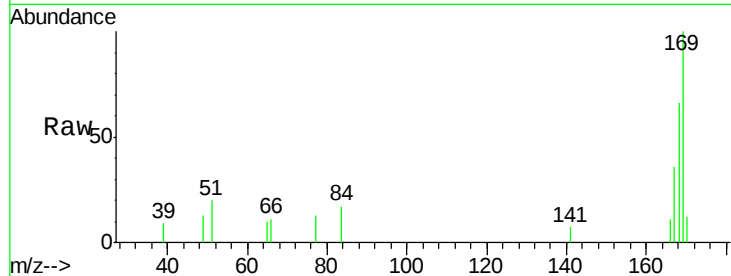




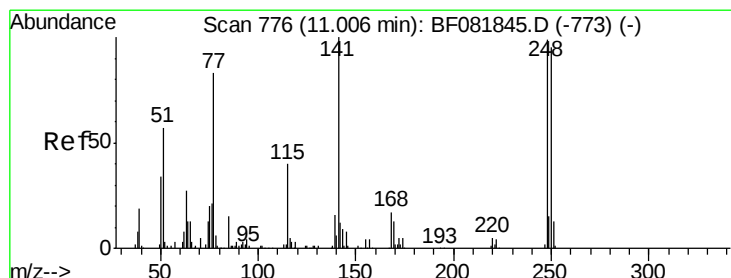
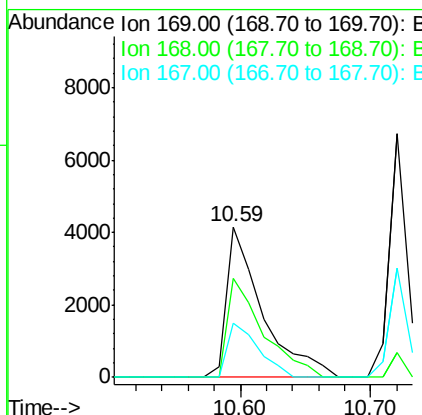
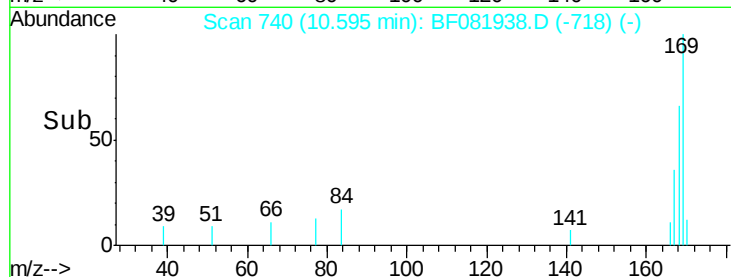
#65
 n-Nitrosodiphenylamine
 Concen: 0.59 ng
 RT: 10.59 min Scan# 740
 Delta R.T. -0.05 min
 Lab File: BF081938.D
 Acq: 1 Oct 2015 14:38

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2015-01

Tgt Ion:169 Resp: 7891
 Ion Ratio Lower Upper
 169 100
 168 65.8 48.9 73.3
 167 35.8 26.2 39.4

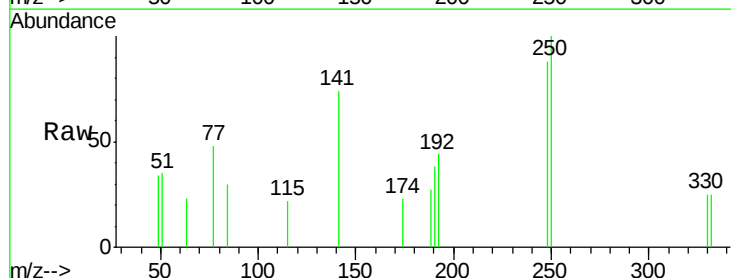


Abundance Ion 169.00 (168.70 to 169.70): E
 Ion 168.00 (167.70 to 168.70): E
 Ion 167.00 (166.70 to 167.70): E

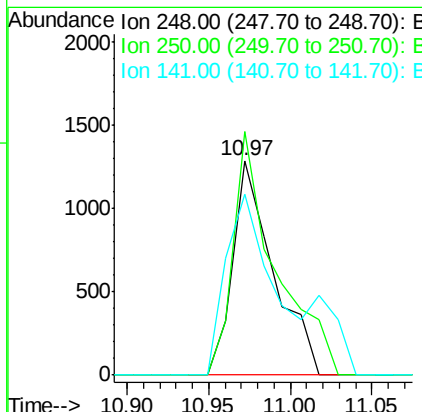
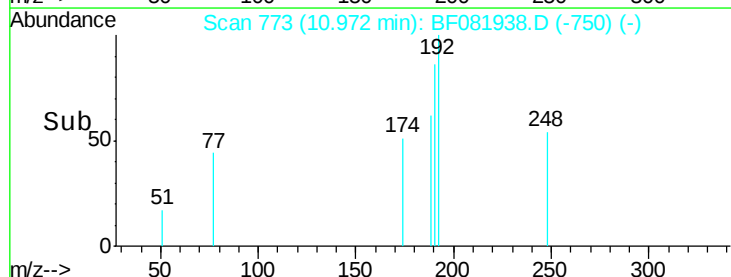


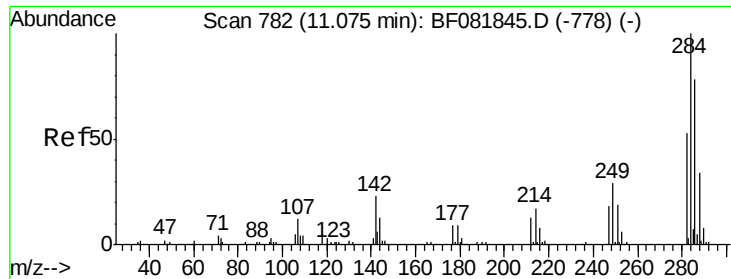
#66
 4-Bromophenyl-phenylether
 Concen: 0.50 ng
 RT: 10.97 min Scan# 773
 Delta R.T. -0.03 min
 Lab File: BF081938.D
 Acq: 1 Oct 2015 14:38

Tgt Ion:248 Resp: 2209
 Ion Ratio Lower Upper
 248 100
 250 113.4 78.5 117.7
 141 84.0 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

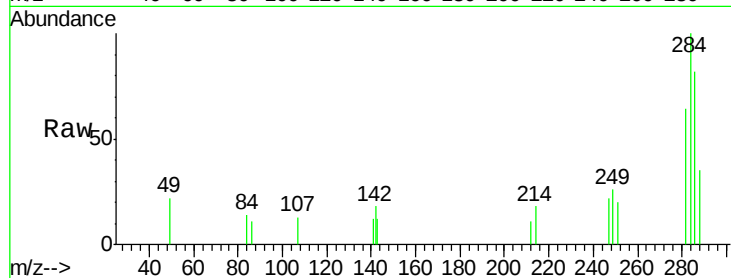




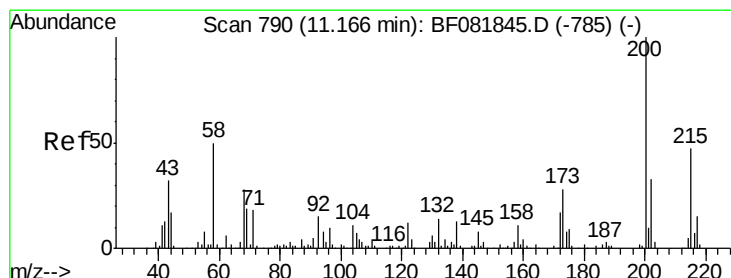
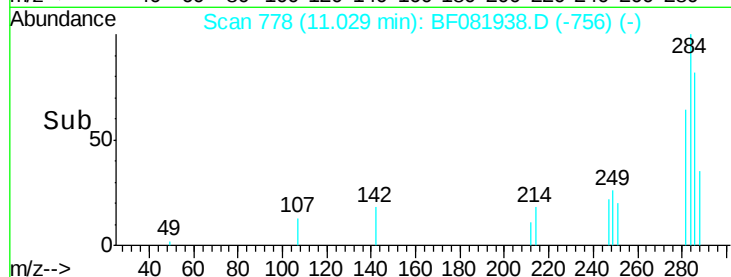
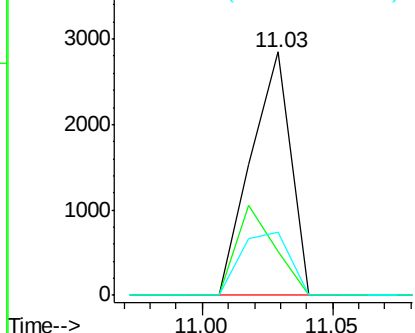
#67
Hexachlorobenzene
Concen: 0.60 ng
RT: 11.03 min Scan# 778
Delta R.T. -0.05 min
Lab File: BF081938.D
Acq: 1 Oct 2015 14:38

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2015-01

Tgt Ion:284 Resp: 3006
Ion Ratio Lower Upper
284 100
142 18.3 29.5 44.3#
249 25.8 19.5 29.3

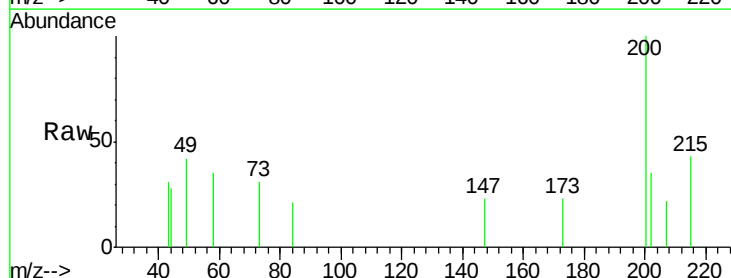


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

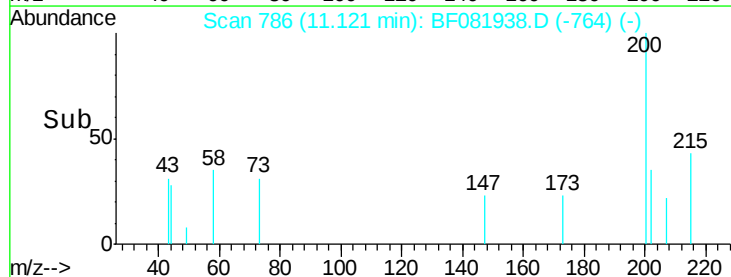
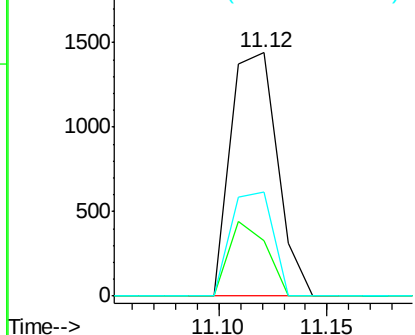


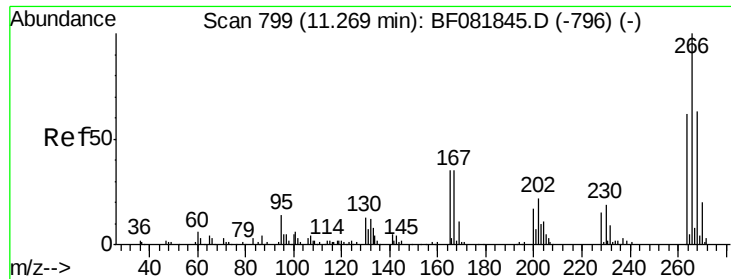
#68
Atrazine
Concen: 0.52 ng
RT: 11.12 min Scan# 786
Delta R.T. -0.05 min
Lab File: BF081938.D
Acq: 1 Oct 2015 14:38

Tgt Ion:200 Resp: 2145
Ion Ratio Lower Upper
200 100
173 23.0 13.2 53.2
215 42.6 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

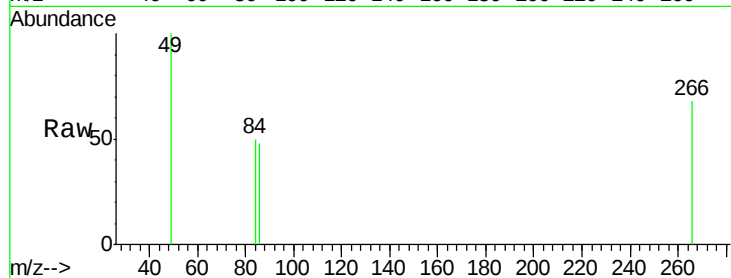




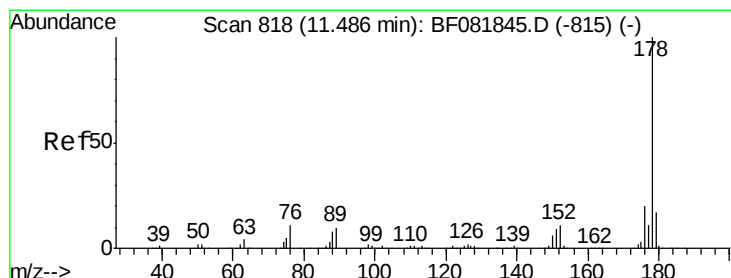
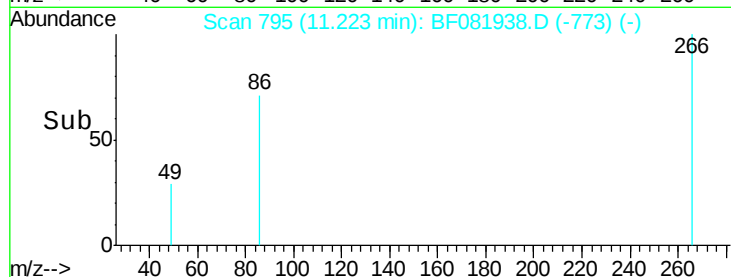
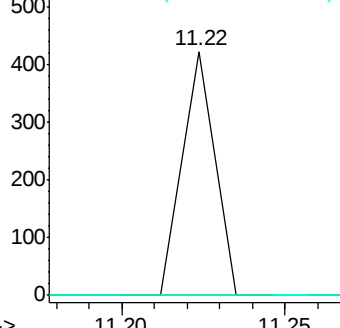
#69
 Pentachlorophenol
 Concen: 0.10 ng
 RT: 11.22 min Scan# 795
 Delta R.T. -0.05 min
 Lab File: BF081938.D
 Acq: 1 Oct 2015 14:38

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2015-01

Tgt Ion: 266 Resp: 290
 Ion Ratio Lower Upper
 266 100
 268 0.0 49.8 74.6#
 264 0.0 50.2 75.2#

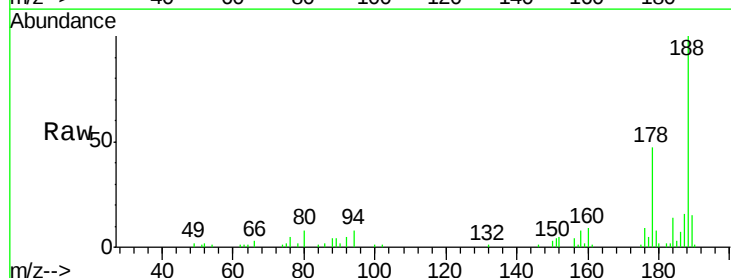


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

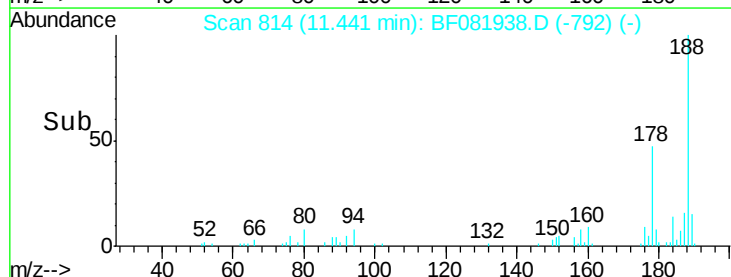
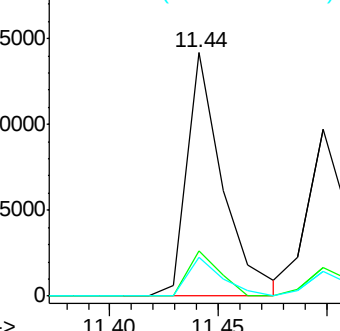


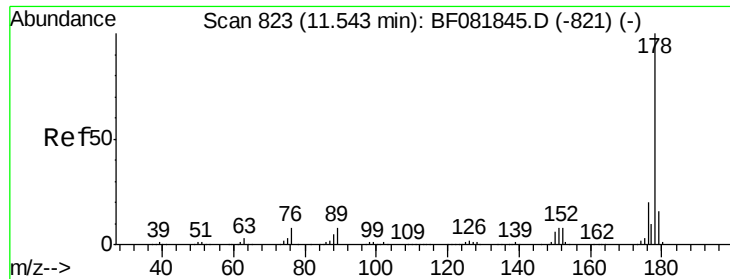
#70
 Phenanthrene
 Concen: Below Cal
 RT: 11.44 min Scan# 814
 Delta R.T. -0.05 min
 Lab File: BF081938.D
 Acq: 1 Oct 2015 14:38

Tgt Ion: 178 Resp: 16224
 Ion Ratio Lower Upper
 178 100
 176 18.8 13.8 20.8
 179 16.2 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

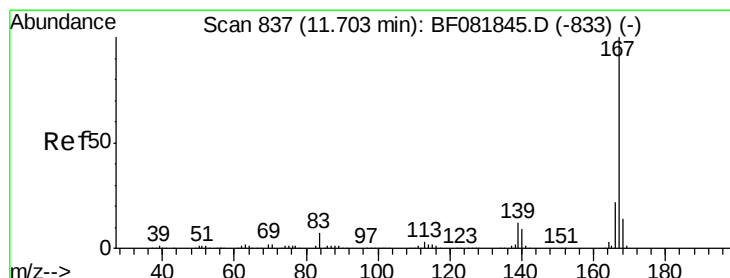
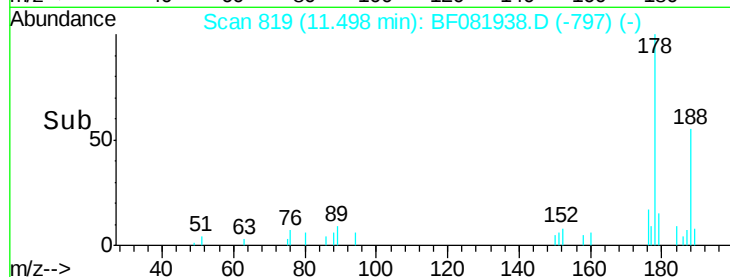
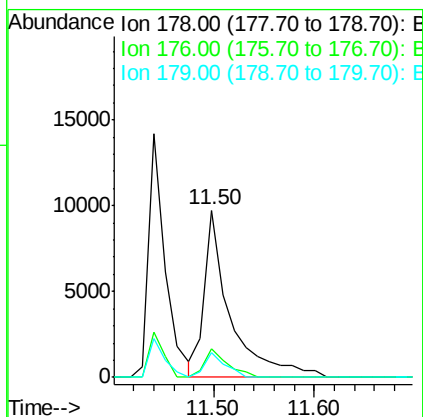
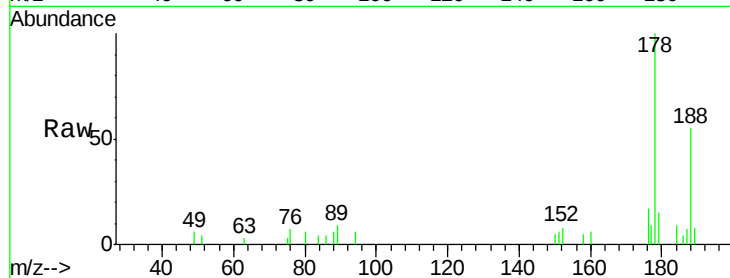




#71
 Anthracene
 Concen: 0.78 ng
 RT: 11.50 min Scan# 819
 Delta R.T. -0.05 min
 Lab File: BF081938.D
 Acq: 1 Oct 2015 14:38

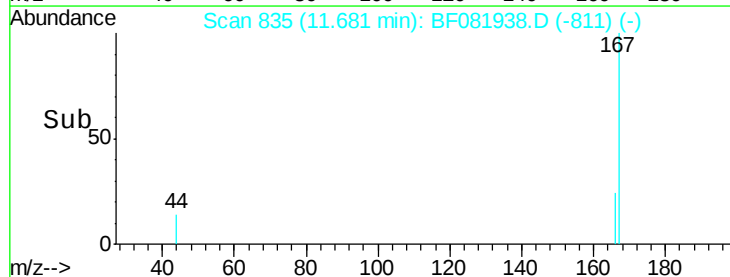
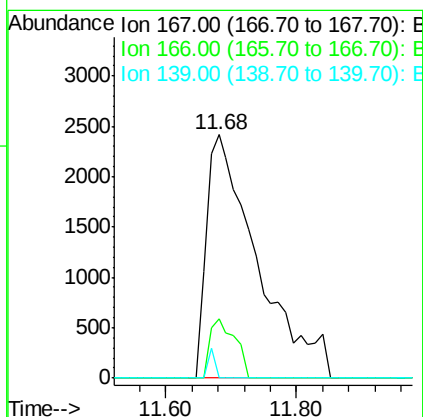
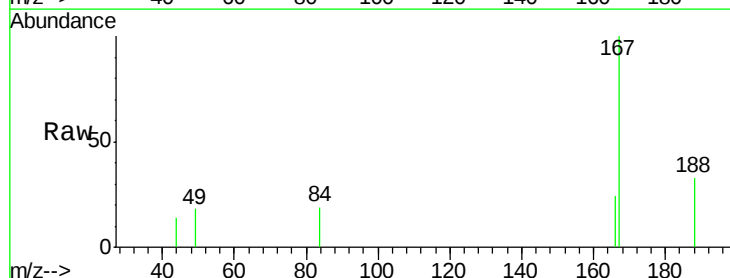
Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2015-01

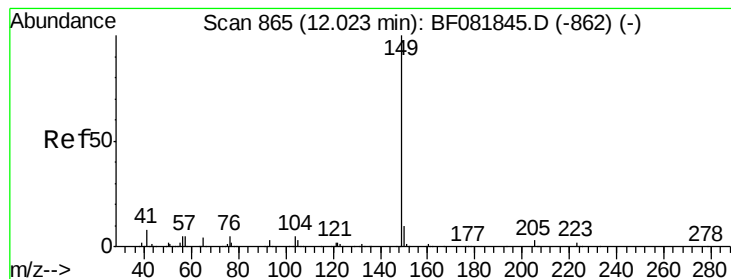
Tgt Ion:178 Resp: 17530
 Ion Ratio Lower Upper
 178 100
 176 17.2 14.1 21.1
 179 14.5 12.2 18.2



#72
 Carbazole
 Concen: 0.64 ng
 RT: 11.68 min Scan# 835
 Delta R.T. -0.02 min
 Lab File: BF081938.D
 Acq: 1 Oct 2015 14:38

Tgt Ion:167 Resp: 13058
 Ion Ratio Lower Upper
 167 100
 166 24.4 15.7 23.5#
 139 0.0 9.5 14.3#





#73

Di-n-butylphthalate

Concen: Below Cal

RT: 11.98 min Scan# 861

Delta R.T. -0.05 min

Lab File: BF081938.D

Acq: 1 Oct 2015 14:38

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2015-01

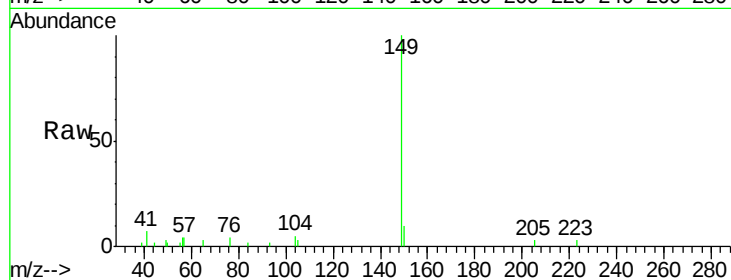
Tgt Ion:149 Resp: 16235

Ion Ratio Lower Upper

149 100

150 9.7 7.4 11.2

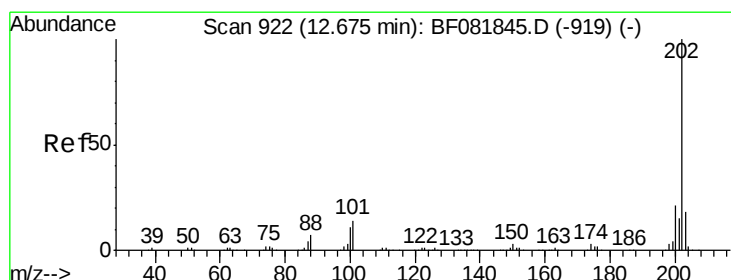
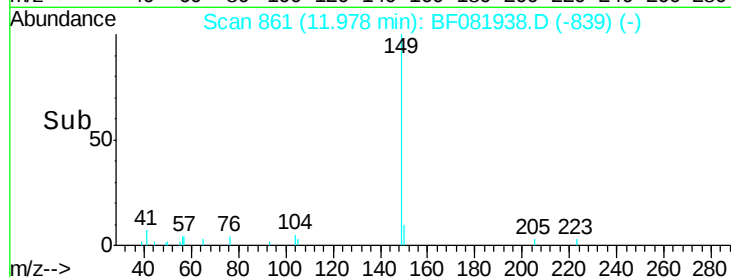
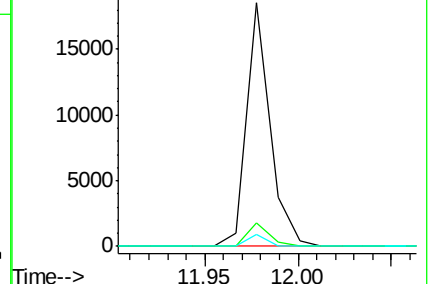
104 4.9 2.4 3.6#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 0.68 ng

RT: 12.63 min Scan# 918

Delta R.T. -0.05 min

Lab File: BF081938.D

Acq: 1 Oct 2015 14:38

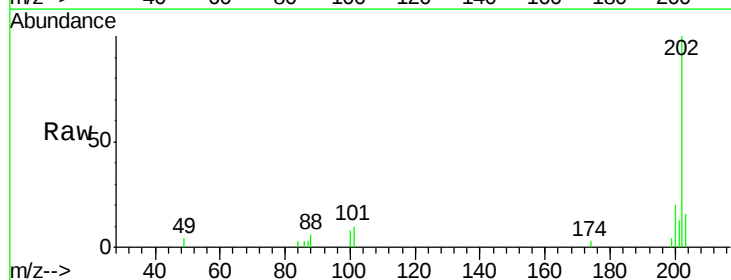
Tgt Ion:202 Resp: 15996

Ion Ratio Lower Upper

202 100

101 9.8 0.0 38.3

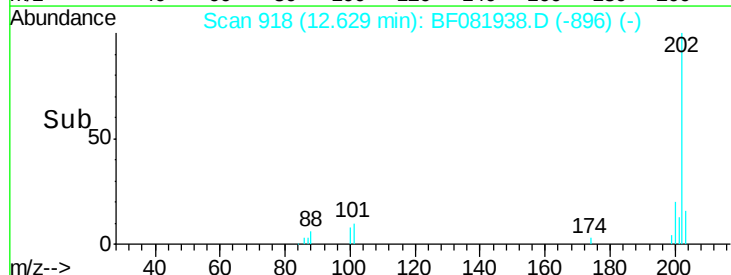
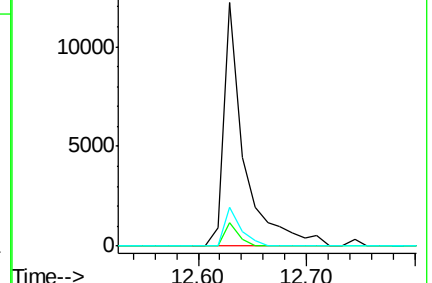
203 15.8 0.0 37.3

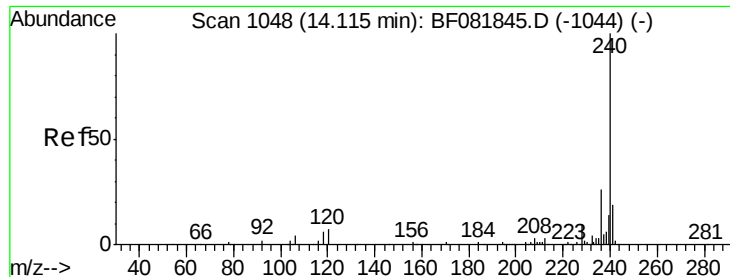


Abundance Ion 202.00 (201.70 to 202.70): E

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: BF081938.D

Acq: 1 Oct 2015 14:38

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2015-01

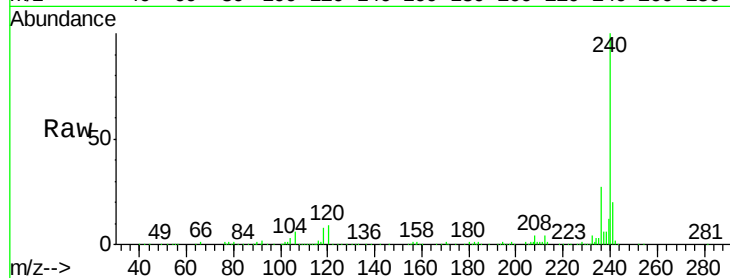
Tgt Ion:240 Resp: 435353

Ion Ratio Lower Upper

240 100

120 8.8 16.2 24.2#

236 26.6 18.4 27.6

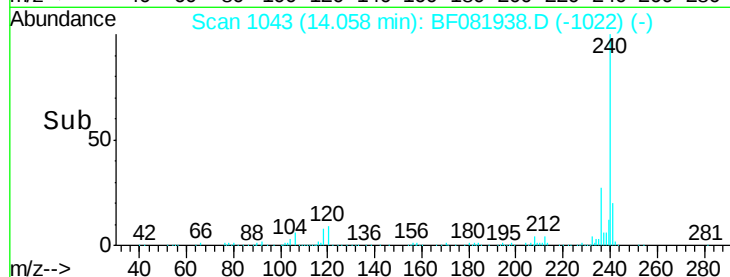


Abundance Ion 240.00 (239.70 to 240.70): E

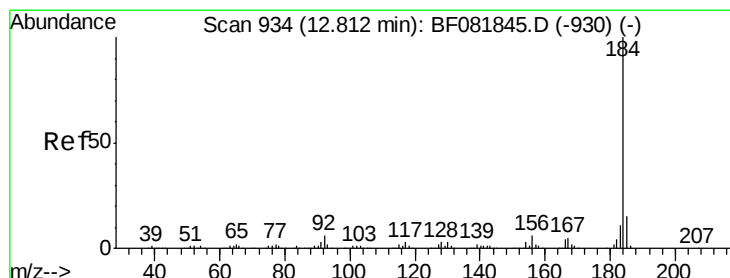
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

14.06



Time-->



#76

Benzidine

Concen: 0.14 ng

RT: 12.82 min Scan# 935

Delta R.T. 0.01 min

Lab File: BF081938.D

Acq: 1 Oct 2015 14:38

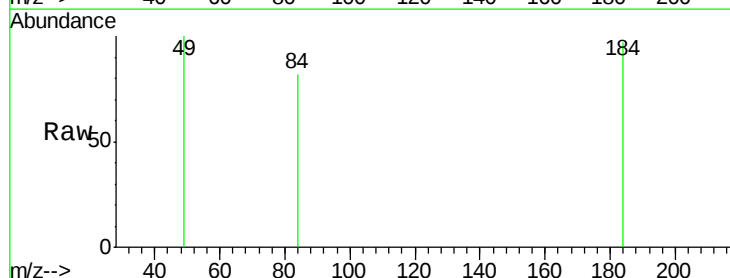
Tgt Ion:184 Resp: 1813

Ion Ratio Lower Upper

184 100

185 0.0 11.8 17.6#

183 0.0 7.6 11.4#

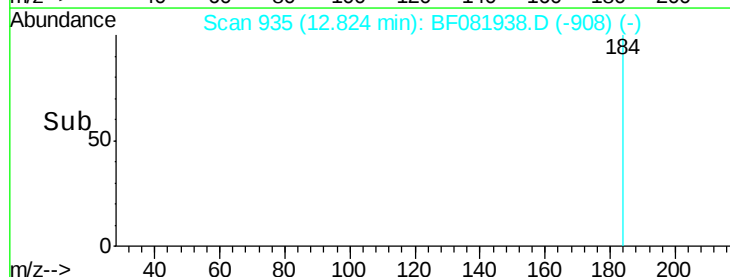


Abundance Ion 184.00 (183.70 to 184.70): E

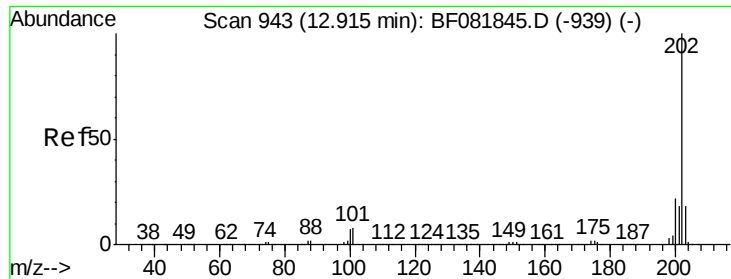
Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

12.82



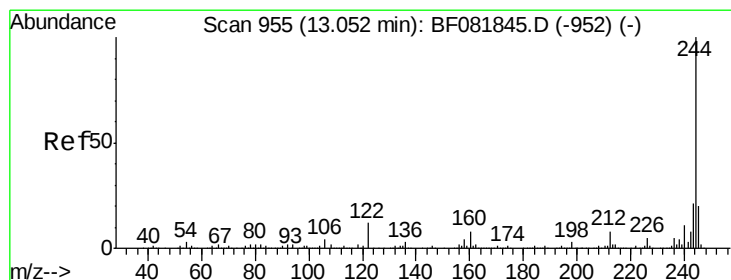
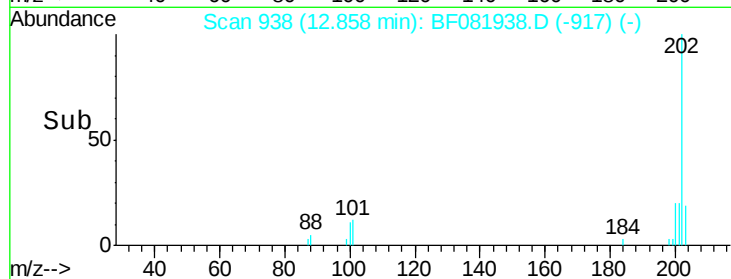
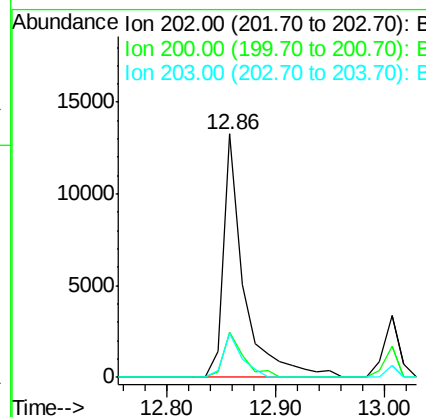
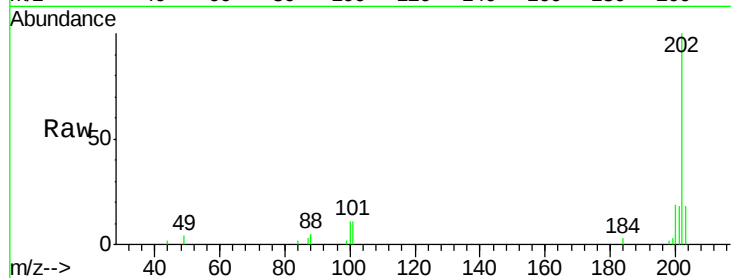
Time-->



#77
 Pyrene
 Concen: 0.67 ng
 RT: 12.86 min Scan# 938
 Delta R.T. -0.06 min
 Lab File: BF081938.D
 Acq: 1 Oct 2015 14:38

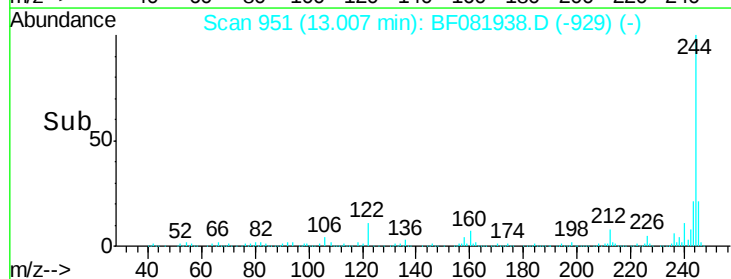
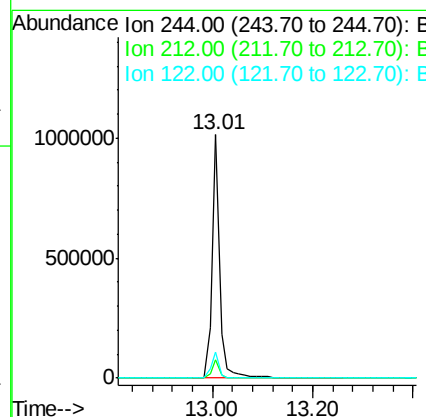
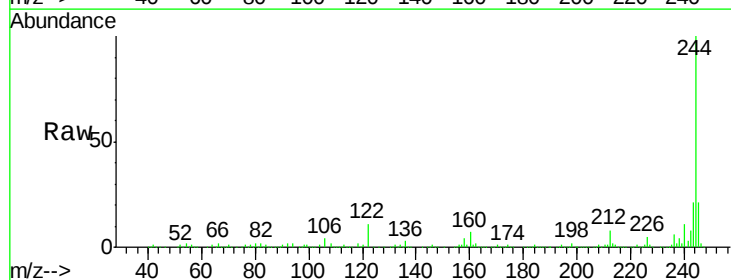
Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2015-01

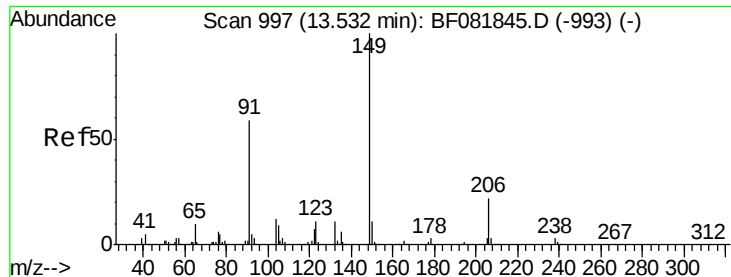
Tgt Ion: 202 Resp: 17467
 Ion Ratio Lower Upper
 202 100
 200 18.6 15.0 22.4
 203 18.0 14.1 21.1



#78
 Terphenyl-d14
 Concen: 76.72 ng
 RT: 13.01 min Scan# 951
 Delta R.T. -0.05 min
 Lab File: BF081938.D
 Acq: 1 Oct 2015 14:38

Tgt Ion: 244 Resp: 1062333
 Ion Ratio Lower Upper
 244 100
 212 7.6 4.3 6.5#
 122 10.5 17.4 26.2#

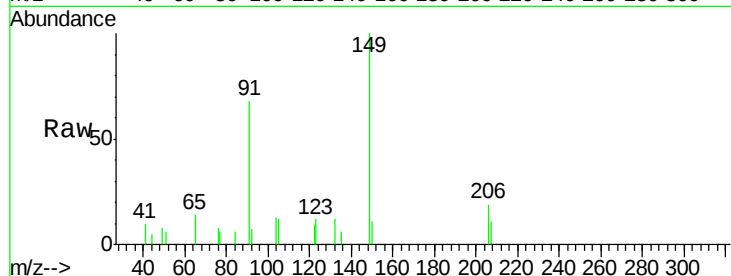




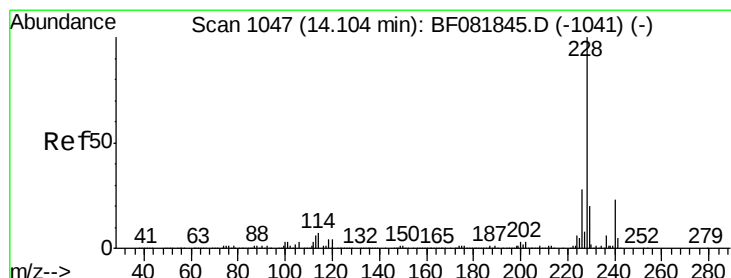
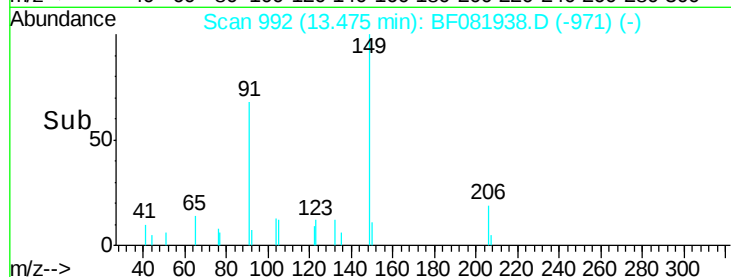
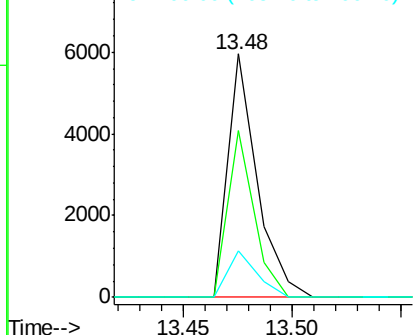
#79
Butylbenzylphthalate
Concen: 0.57 ng
RT: 13.48 min Scan# 992
Delta R.T. -0.06 min
Lab File: BF081938.D
Acq: 1 Oct 2015 14:38

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2015-01

Tgt Ion:149 Resp: 5546
Ion Ratio Lower Upper
149 100
91 68.3 48.6 72.8
206 19.2 14.9 22.3

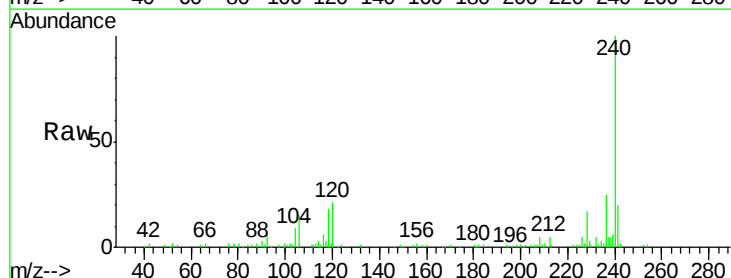


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 91.00 (90.70 to 91.70): BF0
Ion 206.00 (205.70 to 206.70): E

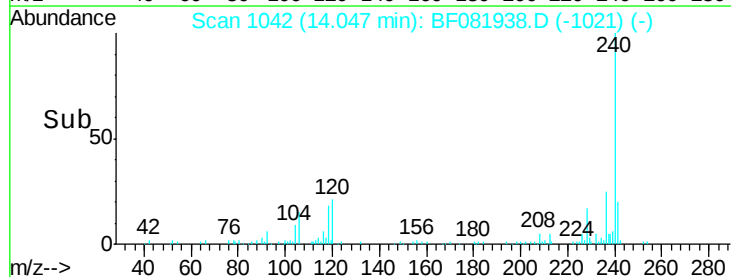
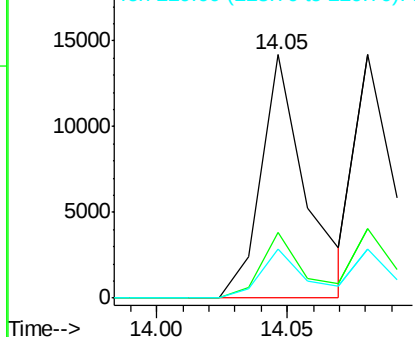


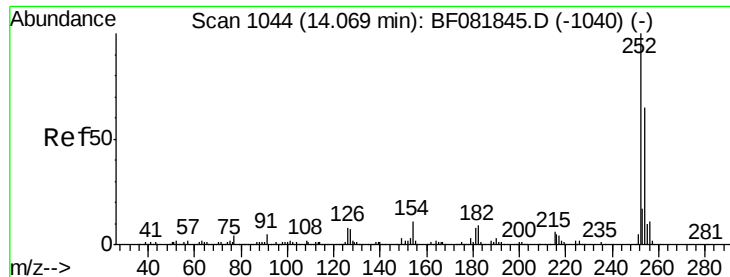
#80
Benzo(a)anthracene
Concen: 0.72 ng
RT: 14.05 min Scan# 1042
Delta R.T. -0.06 min
Lab File: BF081938.D
Acq: 1 Oct 2015 14:38

Tgt Ion:228 Resp: 16964
Ion Ratio Lower Upper
228 100
226 26.8 20.0 30.0
229 20.2 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

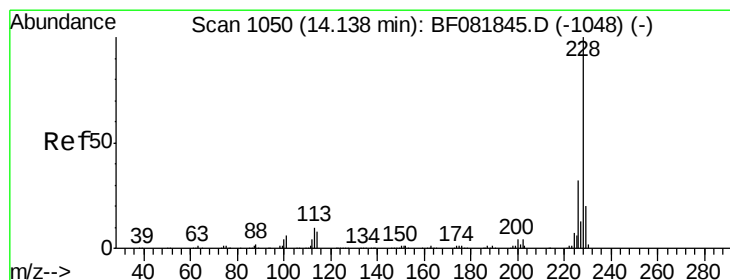
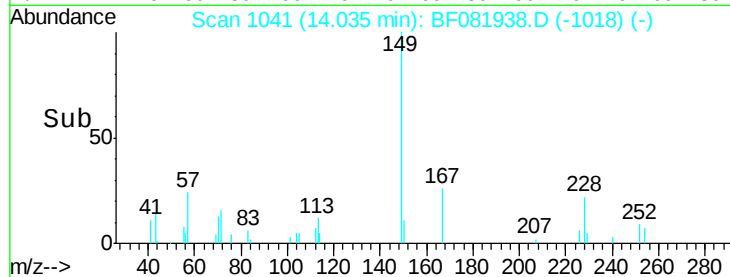
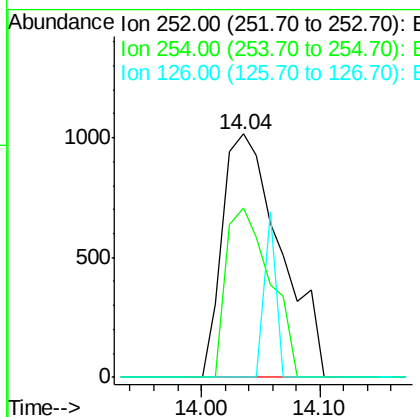
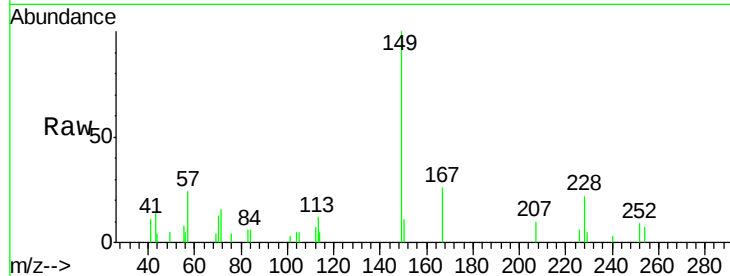




#81
 3,3'-Dichlorobenzidine
 Concen: 0.44 ng
 RT: 14.04 min Scan# 1041
 Delta R.T. -0.03 min
 Lab File: BF081938.D
 Acq: 1 Oct 2015 14:38

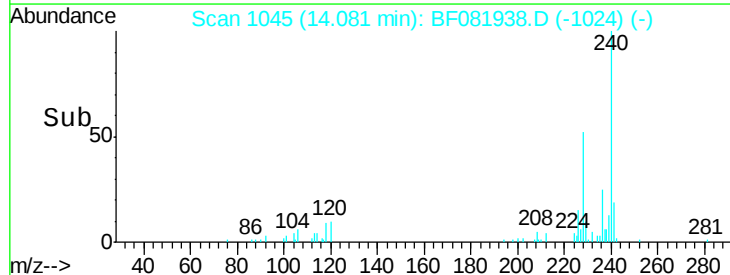
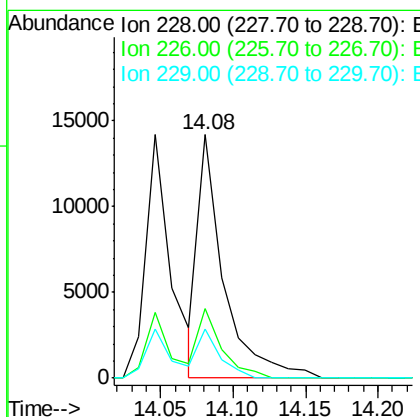
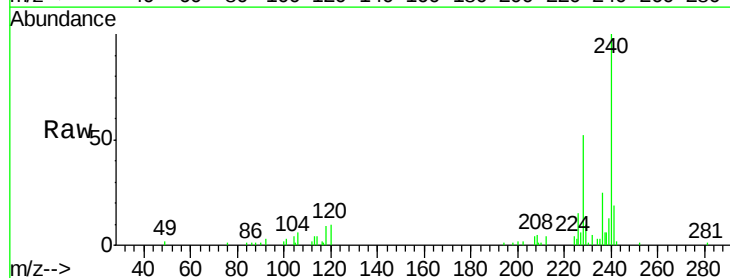
Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2015-01

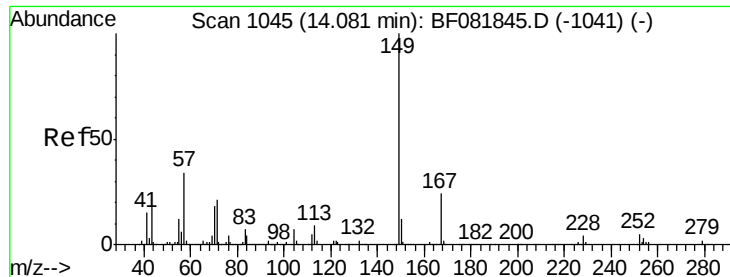
Tgt Ion:252 Resp: 3446
 Ion Ratio Lower Upper
 252 100
 254 69.5 51.4 77.2
 126 0.0 16.4 24.6#



#82
 Chrysene
 Concen: 1.46 ng
 RT: 14.08 min Scan# 1045
 Delta R.T. -0.06 min
 Lab File: BF081938.D
 Acq: 1 Oct 2015 14:38

Tgt Ion:228 Resp: 17583
 Ion Ratio Lower Upper
 228 100
 226 28.6 21.0 31.4
 229 20.0 15.6 23.4





#83

Bis(2-ethylhexyl)phthalate

Concen: 0.76 ng

RT: 14.04 min Scan# 1041

Delta R.T. -0.05 min

Lab File: BF081938.D

Acq: 1 Oct 2015 14:38

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2015-01

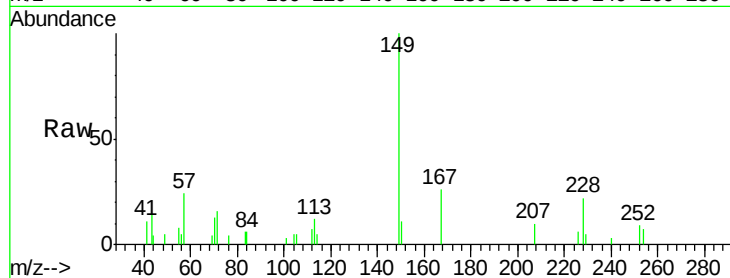
Tgt Ion:149 Resp: 9383

Ion Ratio Lower Upper

149 100

167 26.5 24.2 36.2

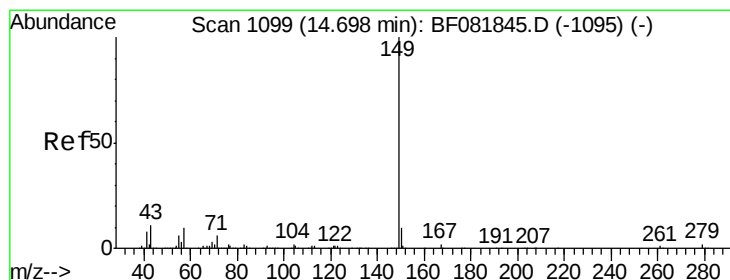
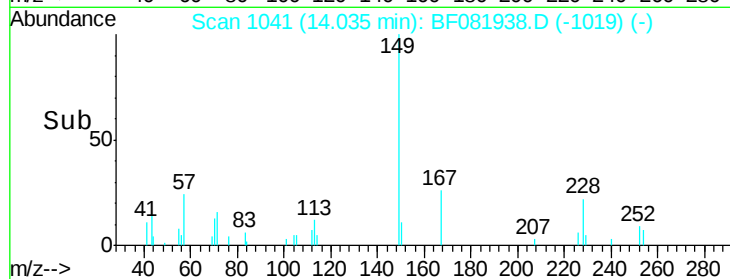
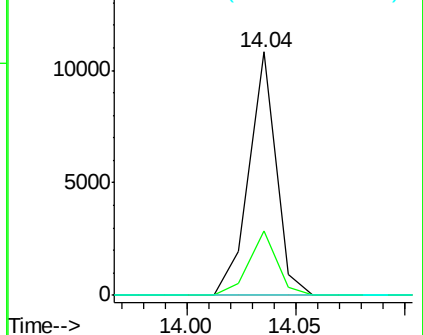
279 0.0 3.8 5.6#



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: 0.67 ng

RT: 14.64 min Scan# 1094

Delta R.T. -0.06 min

Lab File: BF081938.D

Acq: 1 Oct 2015 14:38

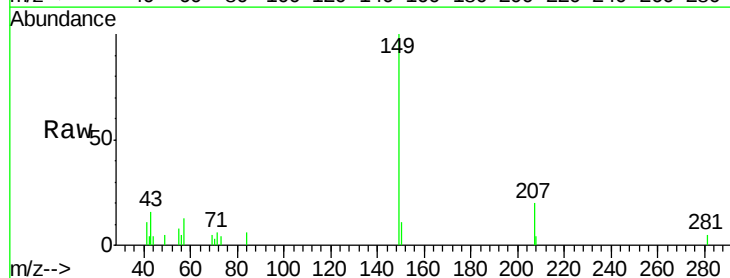
Tgt Ion:149 Resp: 13436

Ion Ratio Lower Upper

149 100

167 0.0 1.0 1.6#

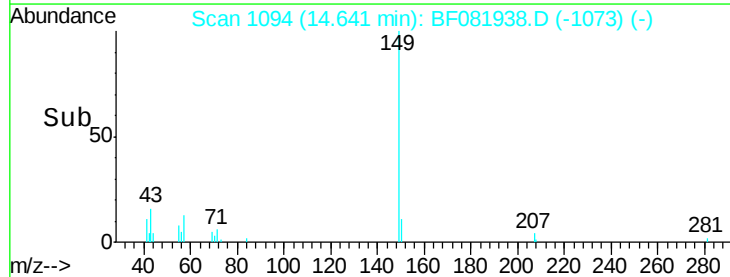
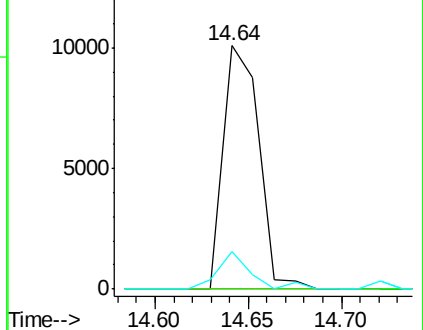
43 14.6 10.2 15.2

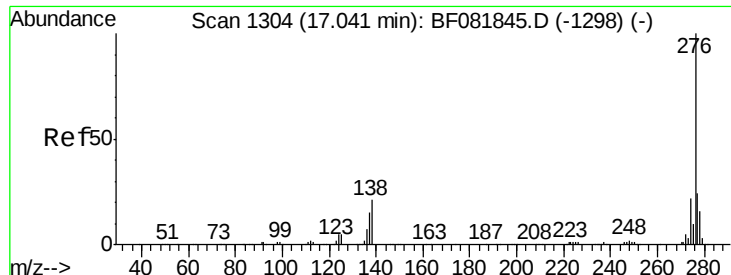


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0

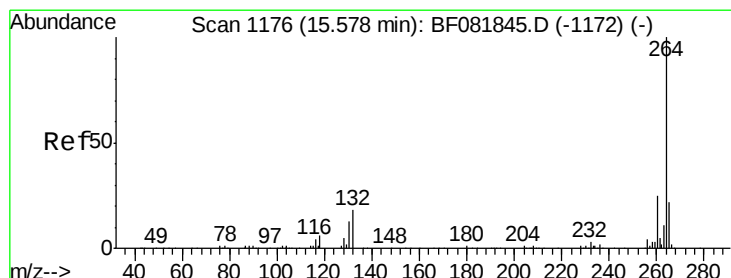
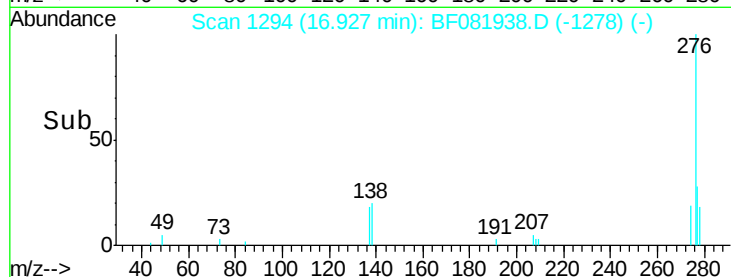
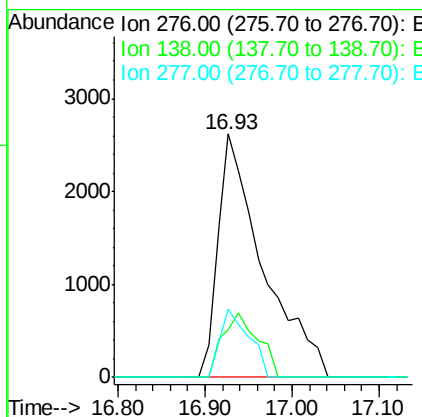
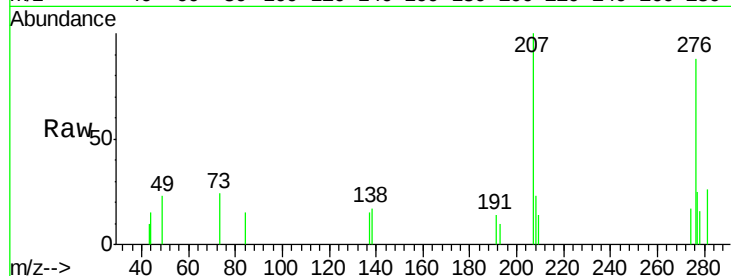




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 0.51 ng
 RT: 16.93 min Scan# 1294
 Delta R.T. -0.11 min
 Lab File: BF081938.D
 Acq: 1 Oct 2015 14:38

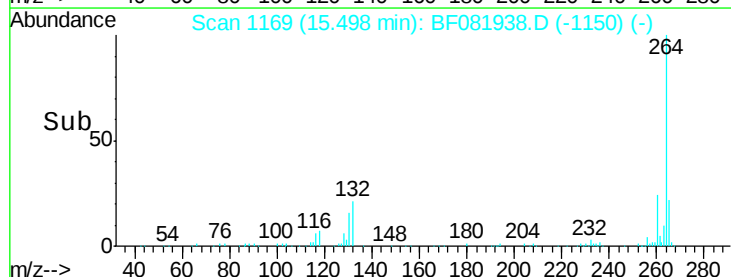
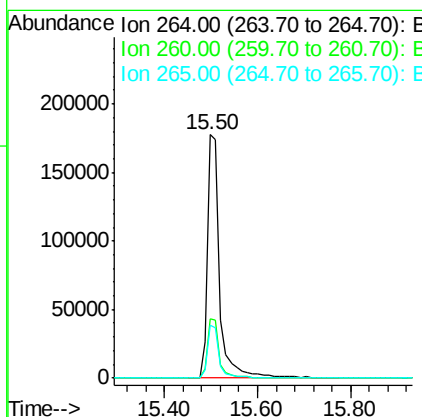
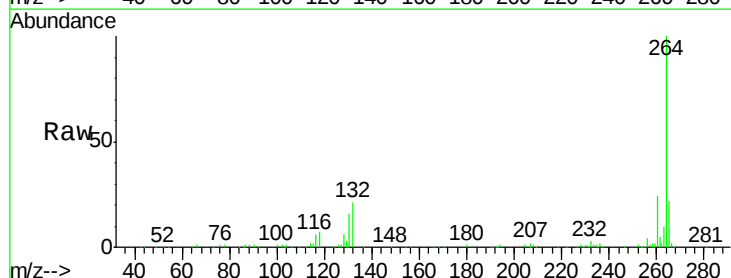
Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2015-01

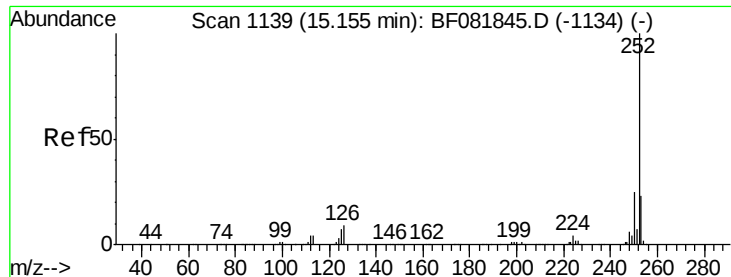
Tgt Ion: 276 Resp: 9388
 Ion Ratio Lower Upper
 276 100
 138 20.9 25.7 38.5#
 277 18.1 15.6 23.4



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.50 min Scan# 1169
 Delta R.T. -0.08 min
 Lab File: BF081938.D
 Acq: 1 Oct 2015 14:38

Tgt Ion: 264 Resp: 333154
 Ion Ratio Lower Upper
 264 100
 260 24.1 16.7 25.1
 265 21.9 17.2 25.8

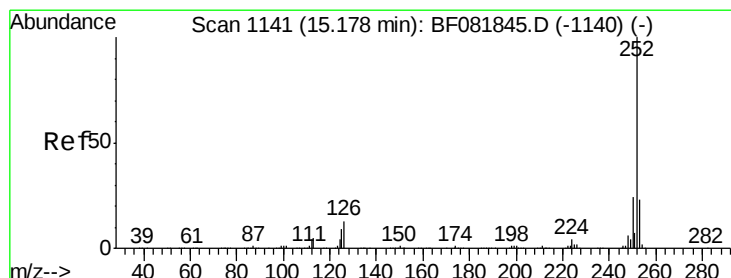
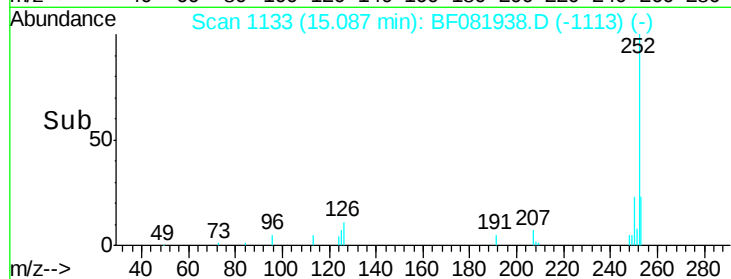
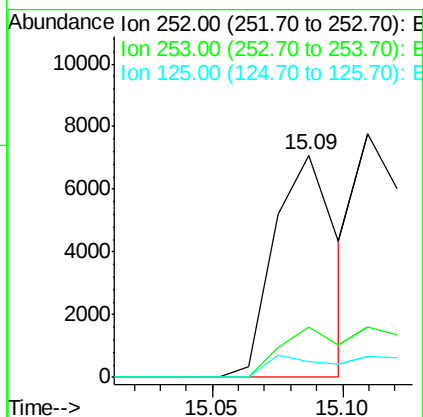
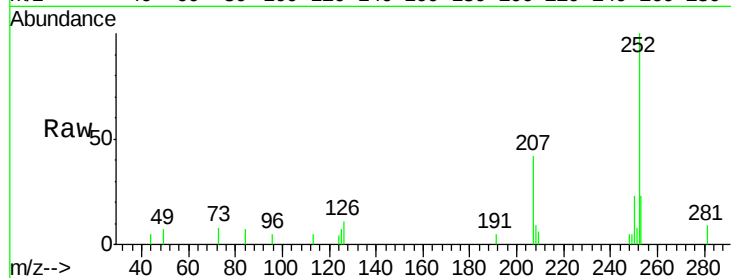




#87
Benzo(b)fluoranthene
Concen: 0.61 ng
RT: 15.09 min Scan# 1133
Delta R.T. -0.07 min
Lab File: BF081938.D
Acq: 1 Oct 2015 14:38

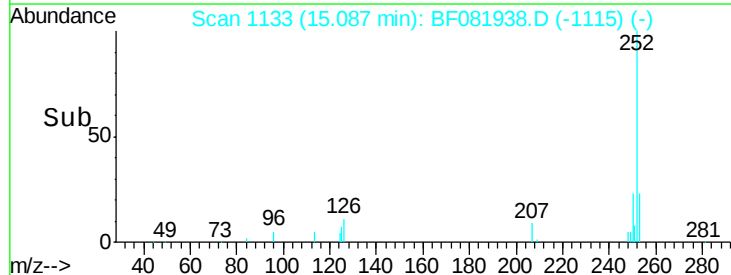
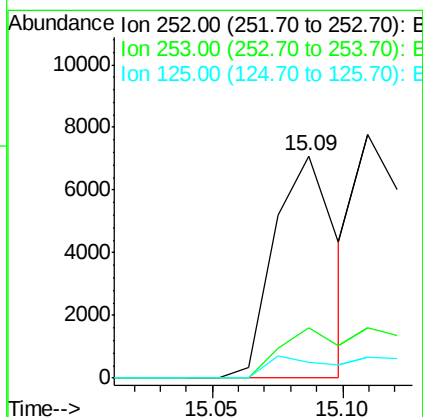
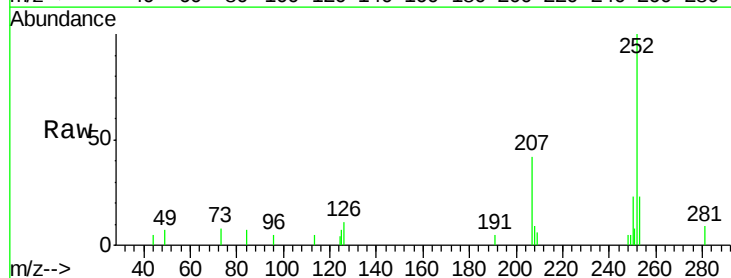
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2015-01

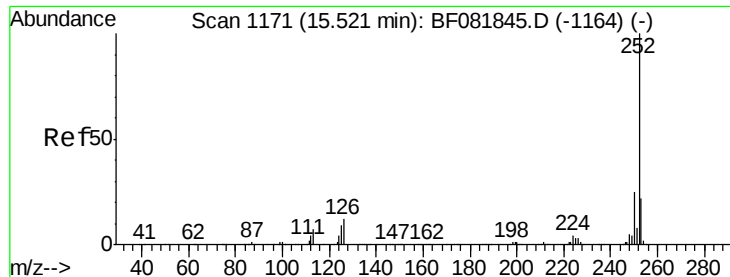
Tgt Ion:252 Resp: 11618
Ion Ratio Lower Upper
252 100
253 22.7 17.5 26.3
125 7.1 17.1 25.7#



#88
Benzo(k)fluoranthene
Concen: 0.67 ng
RT: 15.09 min Scan# 1133
Delta R.T. -0.09 min
Lab File: BF081938.D
Acq: 1 Oct 2015 14:38

Tgt Ion:252 Resp: 11618
Ion Ratio Lower Upper
252 100
253 22.7 17.0 25.4
125 7.1 16.0 24.0#





#89

Benzo(a)pyrene

Concen: 0.67 ng

RT: 15.44 min Scan# 1164

Delta R.T. -0.08 min

Lab File: BF081938.D

Acq: 1 Oct 2015 14:38

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2015-01

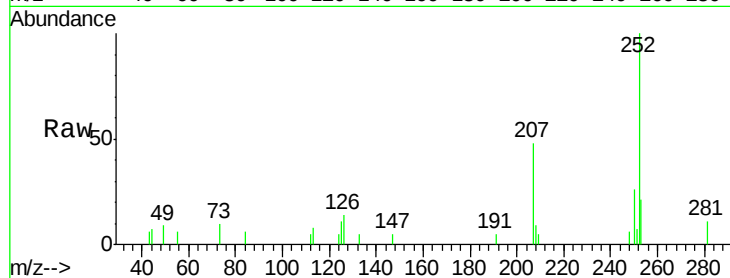
Tgt Ion:252 Resp: 11051

Ion Ratio Lower Upper

252 100

253 20.9 17.2 25.8

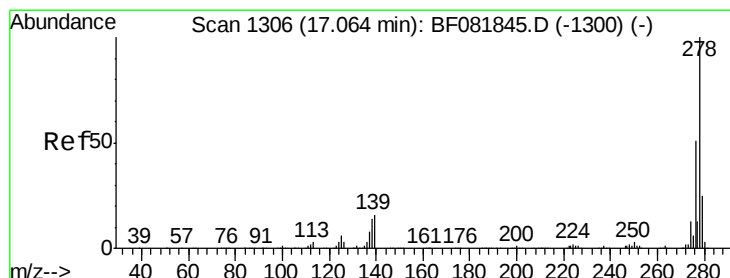
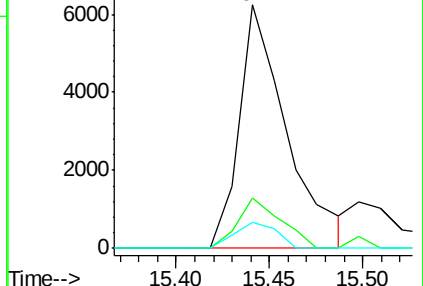
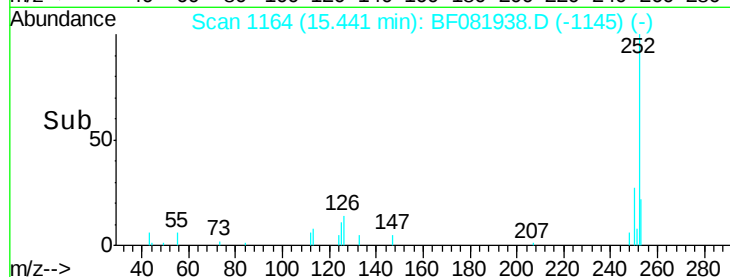
125 10.6 18.0 27.0#



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: 0.55 ng

RT: 16.95 min Scan# 1296

Delta R.T. -0.11 min

Lab File: BF081938.D

Acq: 1 Oct 2015 14:38

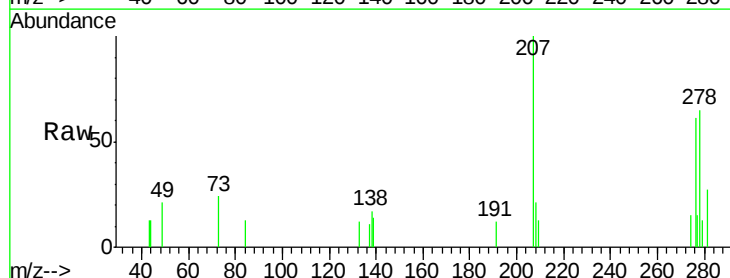
Tgt Ion:278 Resp: 7561

Ion Ratio Lower Upper

278 100

139 20.8 26.3 39.5#

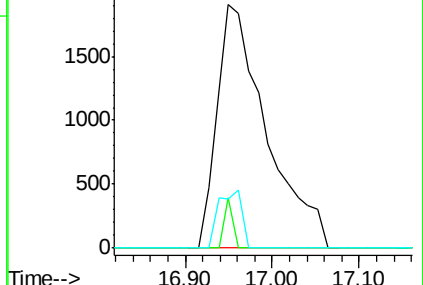
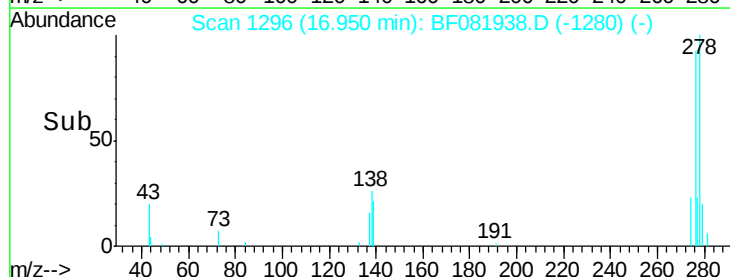
279 20.1 18.2 27.4

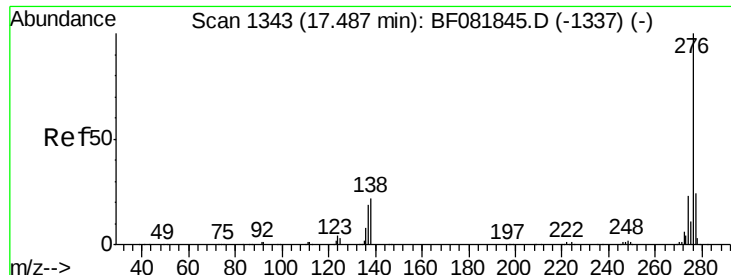


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(g,h,i)perylene

Concen: 0.55 ng

RT: 17.35 min Scan# 1331

Delta R.T. -0.14 min

Lab File: BF081938.D

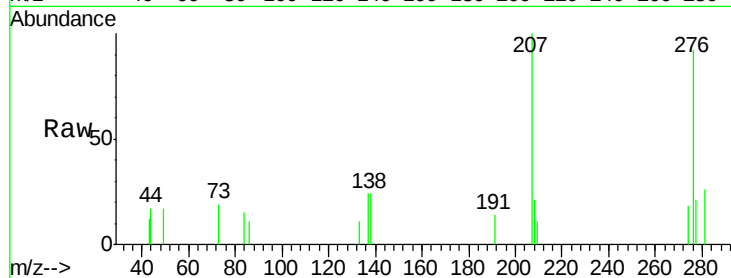
Acq: 1 Oct 2015 14:38

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2015-01



Tgt Ion:	276	Resp:	7757
Ion Ratio	Lower	Upper	
276	100		
277	23.0	17.8	26.6
138	26.3	34.6	51.8#

