

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM071317\
 Data File : BM010803.D
 Acq On : 13 Jul 2017 09:29
 Operator : SJ/JU
 Sample : I3757-01
 Misc : 1PPM LOD
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LOD-SOIL-01-QT3-2017

Quant Time: Jul 13 13:04:31 2017
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-BM071217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 12 14:21:16 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.45	152	217172	20.00	ng	0.00
21) Naphthalene-d8	10.20	136	904843	20.00	ng	0.00
38) Acenaphthene-d10	14.10	164	601329	20.00	ng	0.00
63) Phenanthrene-d10	16.85	188	1423241	20.00	ng	0.00
75) Chrysene-d12	21.06	240	1436108	20.00	ng	0.00
86) Perylene-d12	23.20	264	1194610	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.08	112	1873096	142.87	ng	0.00
7) Phenol-d6	6.64	99	2543967	140.75	ng	0.00
23) Nitrobenzene-d5	8.59	82	2302305	97.80	ng	0.00
41) 2,4,6-Tribromophenol	15.60	330	1321975	143.86	ng	0.00
44) 2-Fluorobiphenyl	12.71	172	5021982	103.89	ng	0.00
78) Terphenyl-d14	19.51	244	6867351	92.49	ng	0.00

Target Compounds

						Qvalue
6) Aniline	6.79	93	22227	0.982	ng	# 87
8) 2-Chlorophenol	7.02	128	13353	1.029	ng	# 77
9) Benzaldehyde	6.60	77	10682	0.851	ng	# 78
10) Phenol	6.66	94	20190	1.057	ng	# 55
11) bis(2-Chloroethyl)ether	6.89	93	16172	1.099	ng	# 87
12) 1,3-Dichlorobenzene	7.33	146	16679	1.040	ng	# 78
13) 1,4-Dichlorobenzene	7.48	146	16879	1.020	ng	# 92
14) 1,2-Dichlorobenzene	7.79	146	17061	1.082	ng	# 91
15) Benzyl Alcohol	7.70	79	14825	0.866	ng	# 81
16) 2,2'-oxybis(1-Chloropropan	7.97	45	12112	0.949	ng	# 88
18) Hexachloroethane	8.51	117	6562	0.945	ng	# 77
24) Nitrobenzene	8.63	77	23643	0.980	ng	# 88
31) Naphthalene	10.25	128	39414	0.857	ng	# 96
34) Hexachlorobutadiene	10.55	225	12910	0.841	ng	# 82
37) 2-Methylnaphthalene	11.87	142	31291	0.947	ng	# 82
39) 1,2,4,5-Tetrachlorobenzene	12.26	216	23993	0.915	ng	# 100
45) 1,1'-Biphenyl	12.92	154	55501	1.059	ng	# 89
46) 2-Chloronaphthalene	12.96	162	35153	0.915	ng	# 90
47) 2-Nitroaniline	13.17	65	10609	0.840	ng	# 86
48) Acenaphthylene	13.82	152	48687	0.852	ng	# 98
49) Dimethylphthalate	13.56	163	44075	0.862	ng	# 95
50) 2,6-Dinitrotoluene	13.67	165	7875	0.785	ng	# 53
51) Acenaphthene	14.16	154	34932	1.001	ng	# 94
54) Dibenzofuran	14.50	168	50330	0.891	ng	# 95
57) Fluorene	15.15	166	44402	0.915	ng	# 91
58) 2,3,4,6-Tetrachlorophenol	14.73	232	11167	0.754	ng	# 100
59) Diethylphthalate	14.95	149	43101	0.853	ng	# 90
62) Azobenzene	15.45	77	36945	0.720	ng	# 88
65) n-Nitrosodiphenylamine	15.37	169	35759	0.878	ng	# 93
66) 4-Bromophenyl-phenylether	16.05	248	18156	1.007	ng	# 83
67) Hexachlorobenzene	16.15	284	17577	0.852	ng	# 71
68) Atrazine	16.33	200	13151	0.780	ng	# 86
70) Phenanthrene	16.89	178	70869	0.957	ng	# 99
71) Anthracene	16.98	178	58859	0.801	ng	# 98

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 QLast Update : Wed Jul 12 14:21:16 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

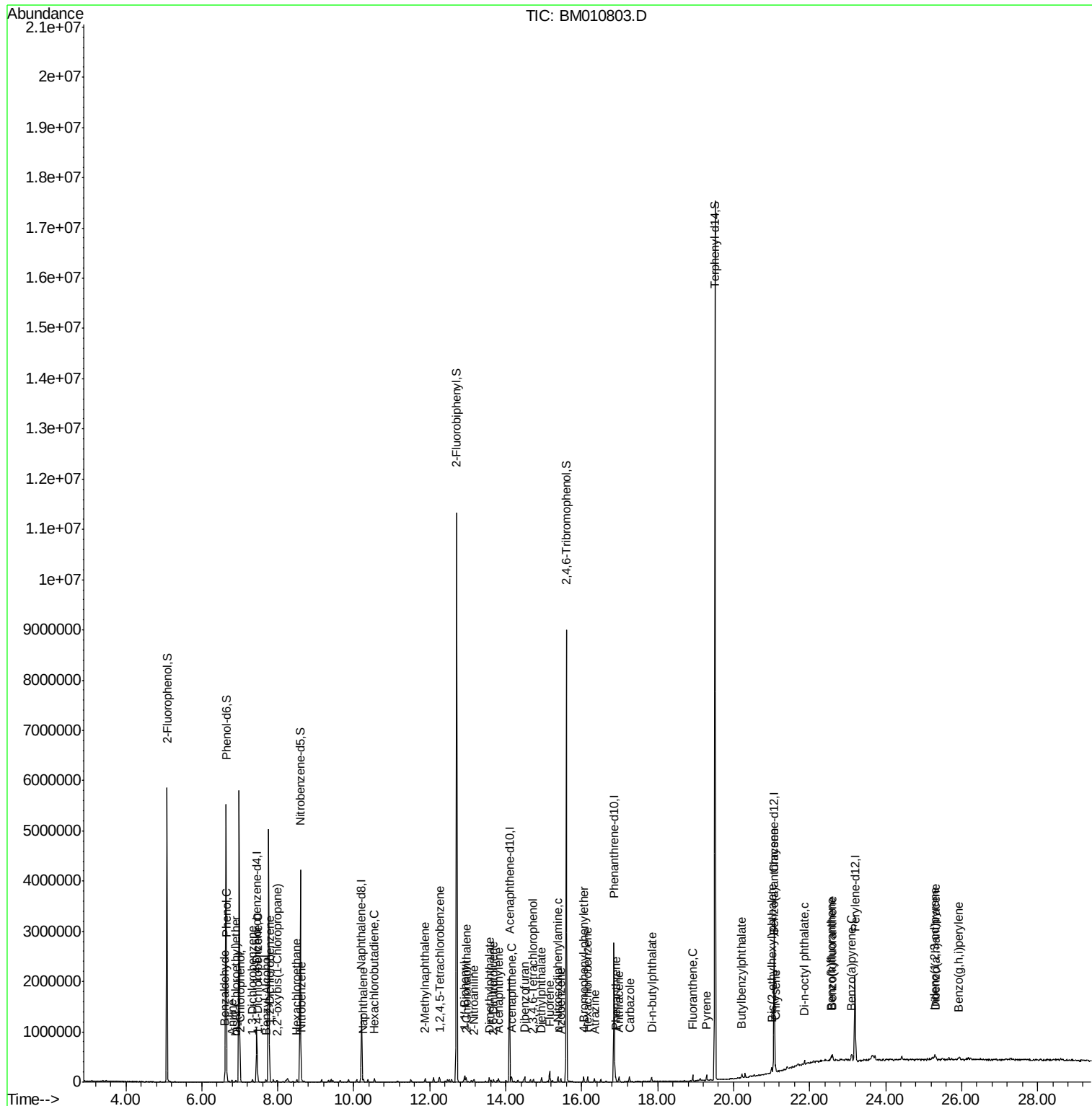
72) Carbazole	17.26	167	53174	0.821	ng	# 96
73) Di-n-butylphthalate	17.84	149	54565	0.713	ng	# 95
74) Fluoranthene	18.92	202	72847	0.794	ng	96
77) Pyrene	19.29	202	72233	0.868	ng	# 96
79) Butylbenzylphthalate	20.22	149	20615	0.707	ng	# 76
80) Benzo(a)anthracene	21.05	228	73242	0.880	ng	94
82) Chrysene	21.10	228	67751	0.855	ng	# 93
83) Bis(2-ethylhexyl)phthalate	21.01	149	31602	0.745	ng	94
84) Di-n-octyl phthalate	21.86	149	48279	0.694	ng	# 96
85) Indeno(1,2,3-cd)pyrene	25.30	276	68541	0.754	ng	# 100
87) Benzo(b)fluoranthene	22.57	252	61889	0.816	ng	# 82
88) Benzo(k)fluoranthene	22.60	252	66141	0.913	ng	# 87
89) Benzo(a)pyrene	23.10	252	58295	0.844	ng	# 91
90) Dibenzo(a,h)anthracene	25.31	278	56386	0.841	ng	# 86
91) Benzo(g,h,i)perylene	25.94	276	56059	0.851	ng	# 85

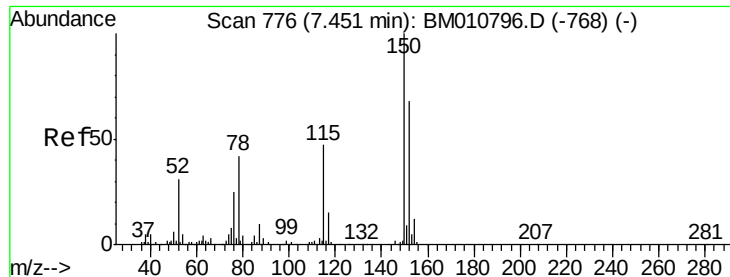
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample    : I3757-01  
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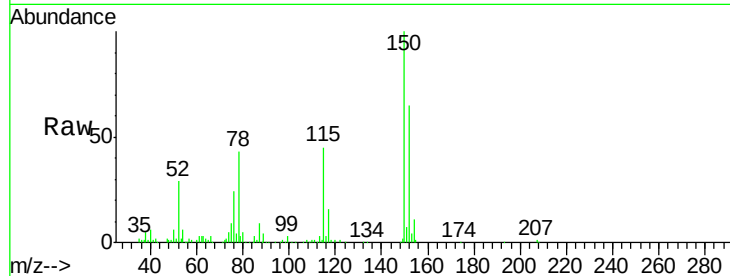


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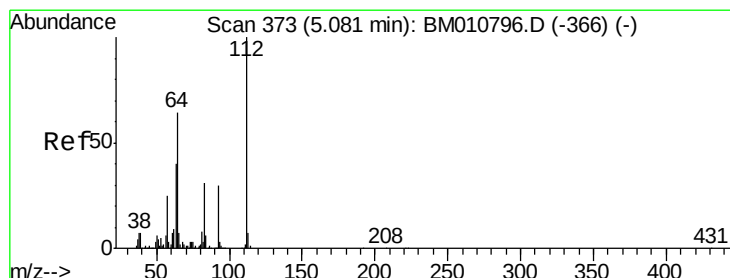
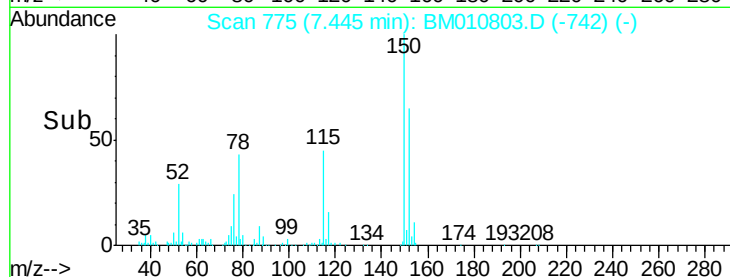
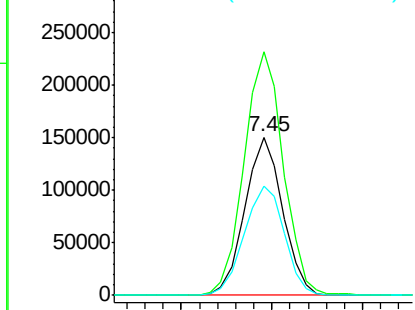
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.45 min Scan# 775
Delta R.T. -0.01 min
Lab File: BM010803.D
Acq: 13 Jul 2017 09:29

Instrument :
BNA_M
ClientSampleId :
LOD-SOIL-01-QT3-2017

Tgt Ion:152 Resp: 217172
Ion Ratio Lower Upper
152 100
150 154.3 119.5 179.3
115 69.4 43.0 64.4#



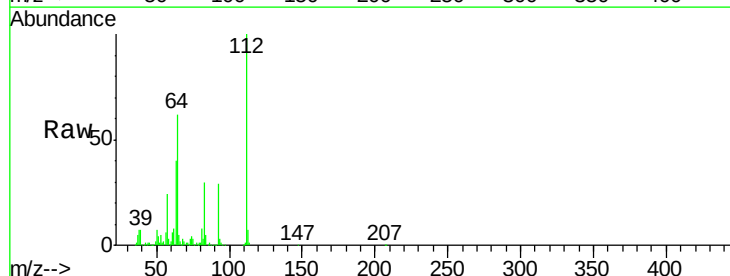
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



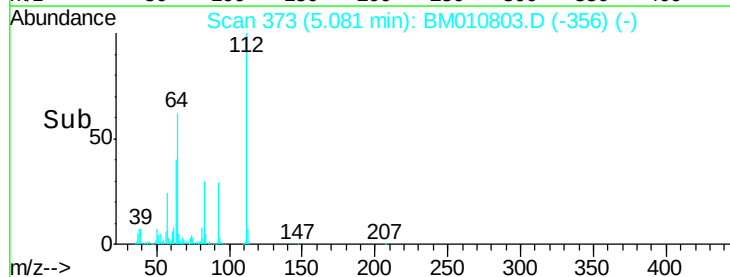
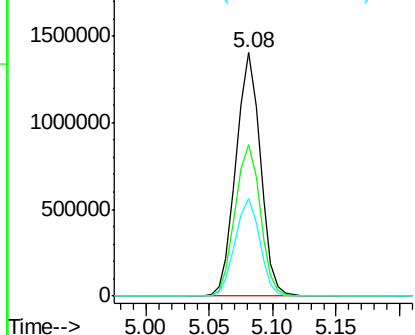
#5

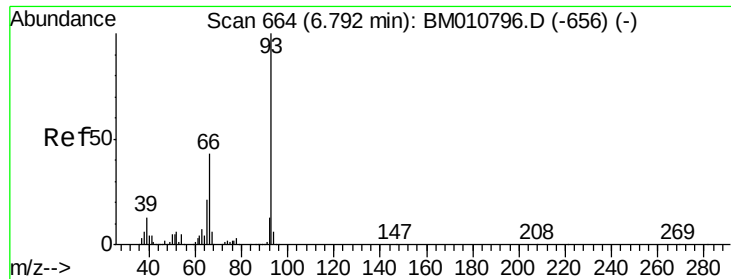
2-Fluorophenol
Concen: 142.871 ng
RT: 5.08 min Scan# 373
Delta R.T. 0.00 min
Lab File: BM010803.D
Acq: 13 Jul 2017 09:29

Tgt Ion:112 Resp: 1873096
Ion Ratio Lower Upper
112 100
64 62.4 38.6 57.8#
63 40.1 19.3 28.9#



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BM0
Ion 63.00 (62.70 to 63.70): BM0





#6

Aniline

Concen: 0.982 ng

RT: 6.79 min Scan# 664

Delta R.T. -0.00 min

Lab File: BM010803.D

Acq: 13 Jul 2017 09:29

Instrument :

BNA_M

ClientSampleId :

LOD-SOIL-01-QT3-2017

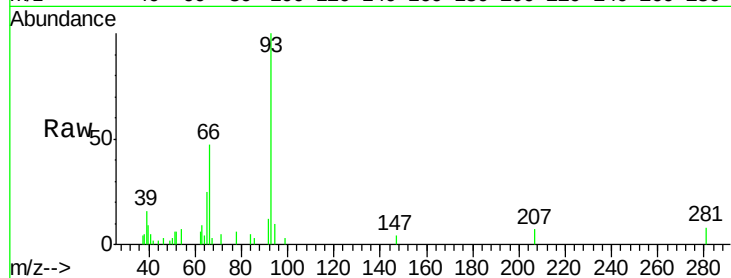
Tgt Ion: 93 Resp: 22227

Ion Ratio Lower Upper

93 100

66 47.2 30.8 46.2#

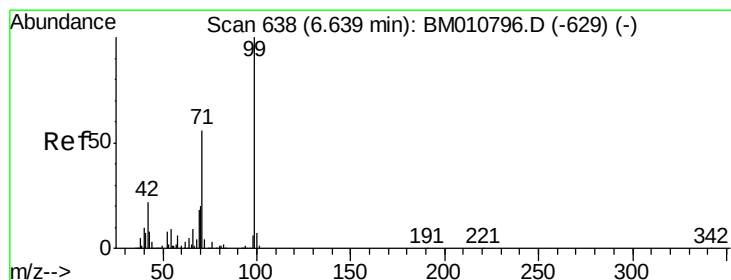
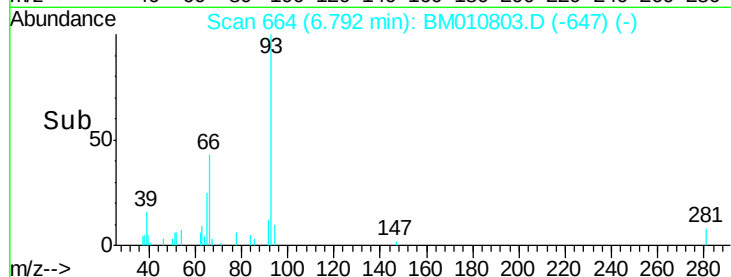
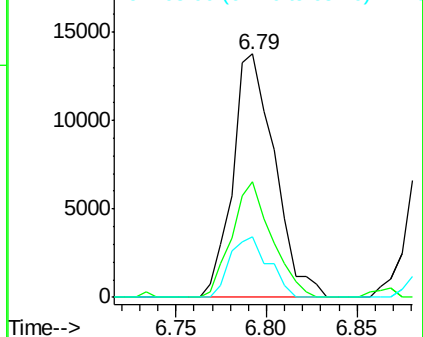
65 24.8 16.0 24.0#



Abundance Ion 93.00 (92.70 to 93.70): BM010796.D (-656) (-)

Ion 66.00 (65.70 to 66.70): BM010796.D (-656) (-)

Ion 65.00 (64.70 to 65.70): BM010796.D (-656) (-)



#7

Phenol-d6

Concen: 140.754 ng

RT: 6.64 min Scan# 638

Delta R.T. -0.00 min

Lab File: BM010803.D

Acq: 13 Jul 2017 09:29

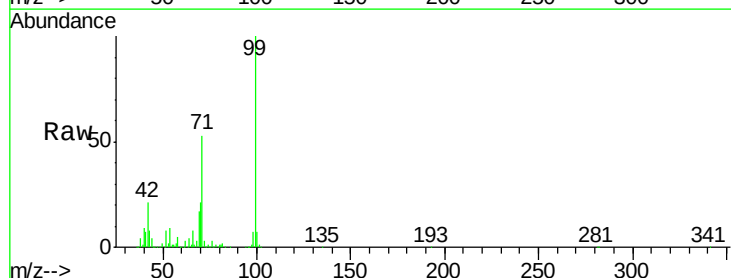
Tgt Ion: 99 Resp: 2543967

Ion Ratio Lower Upper

99 100

42 20.7 11.0 16.4#

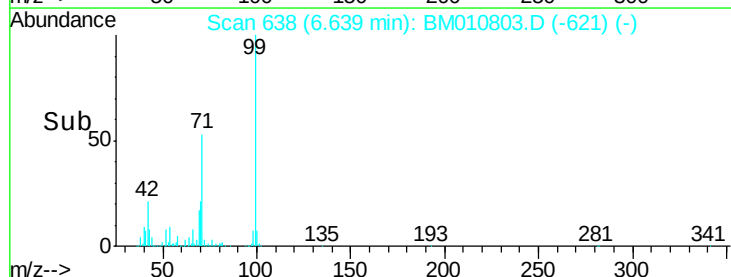
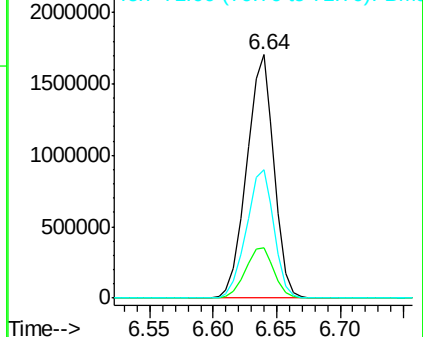
71 52.7 23.4 35.2#

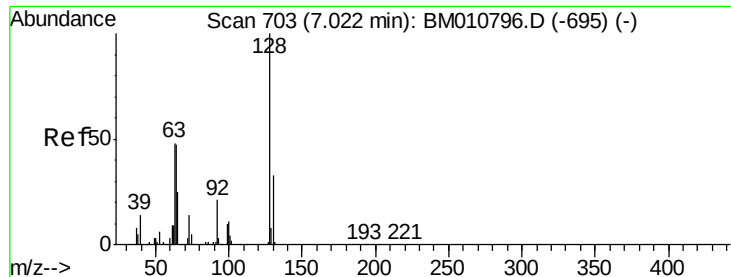


Abundance Ion 99.00 (98.70 to 99.70): BM010796.D (-629) (-)

Ion 42.00 (41.70 to 42.70): BM010796.D (-629) (-)

Ion 71.00 (70.70 to 71.70): BM010796.D (-629) (-)





#8

2-Chlorophenol

Concen: 1.029 ng

RT: 7.02 min Scan# 703

Delta R.T. -0.00 min

Lab File: BM010803.D

Acq: 13 Jul 2017 09:29

Instrument :

BNA_M

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LOD-SOIL-01-QT3-2017

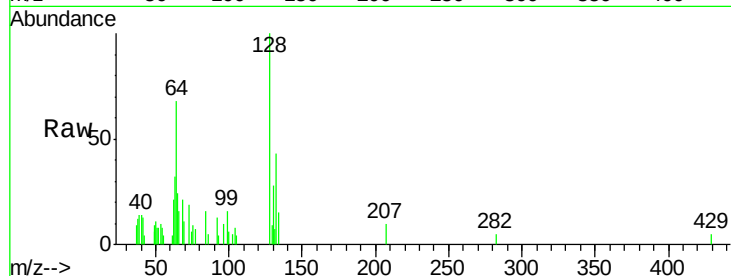
Tgt Ion:128 Resp: 13353

Ion Ratio Lower Upper

128 100

130 28.4 12.0 52.0

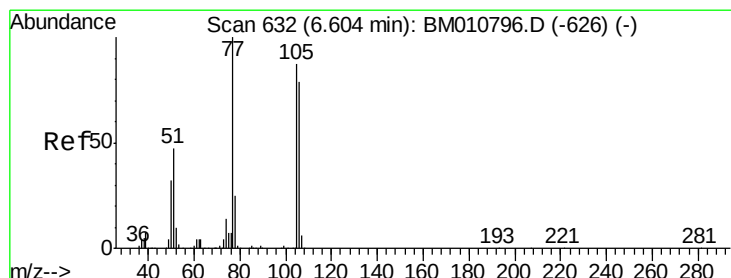
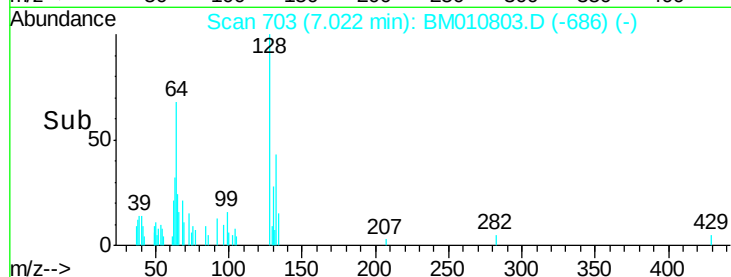
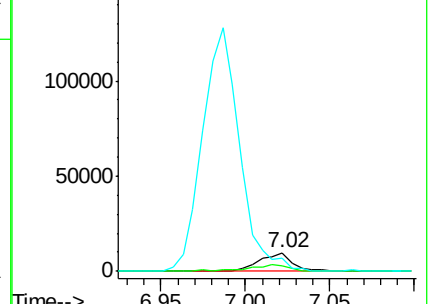
64 68.1 24.9 64.9#



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): BM



#9

Benzaldehyde

Concen: 0.851 ng

RT: 6.60 min Scan# 632

Delta R.T. -0.00 min

Lab File: BM010803.D

Acq: 13 Jul 2017 09:29

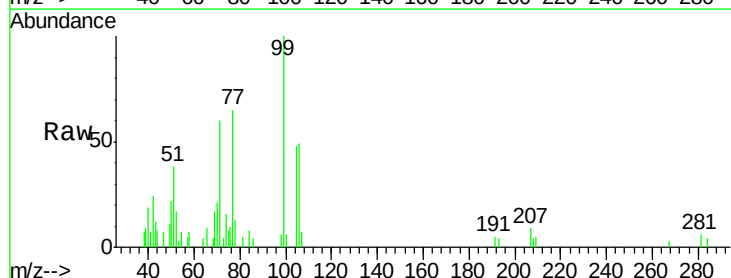
Tgt Ion: 77 Resp: 10682

Ion Ratio Lower Upper

77 100

105 73.5 78.8 118.8#

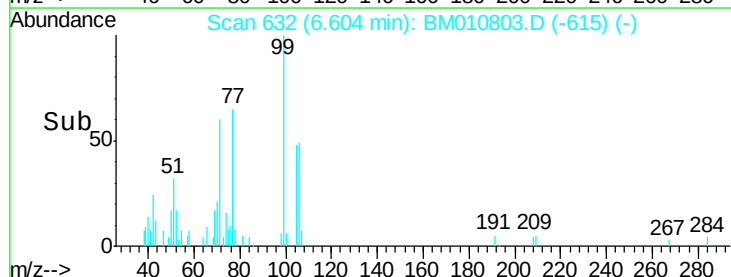
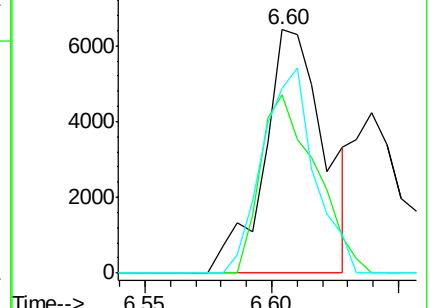
106 75.8 73.7 113.7

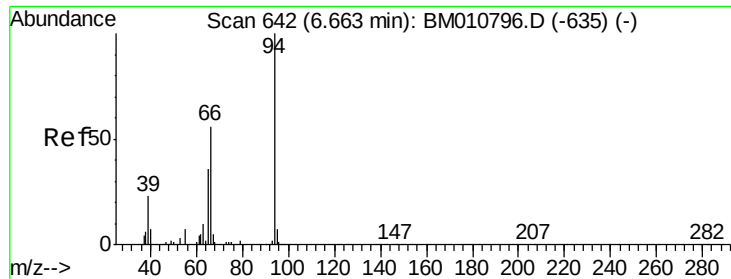


Abundance Ion 77.00 (76.70 to 77.70): BM

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

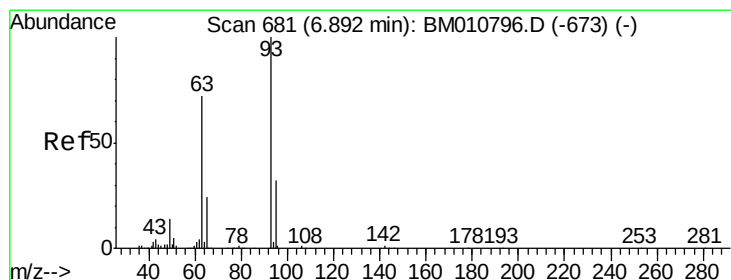
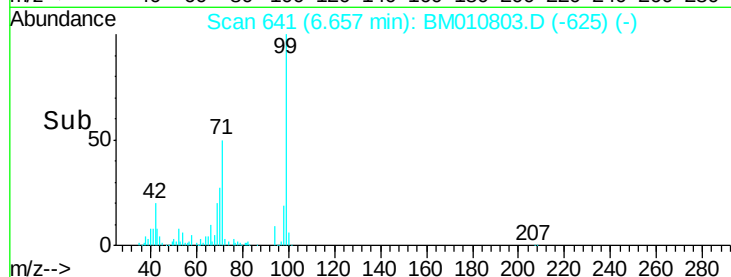
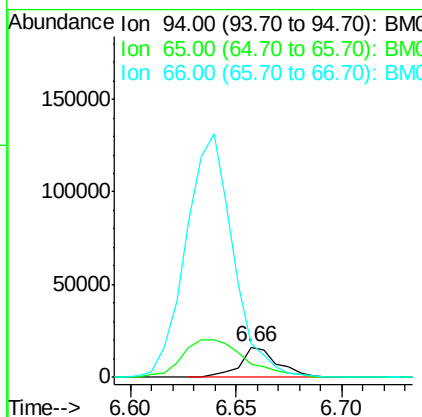
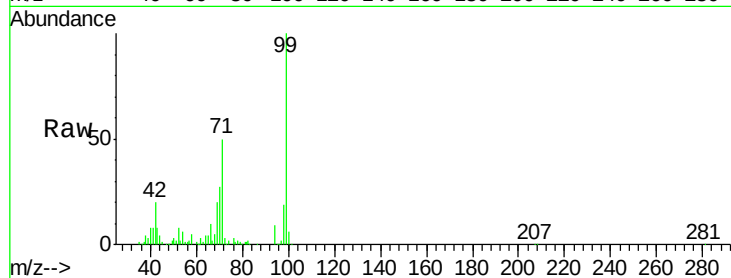




#10
Phenol
Concen: 1.057 ng
RT: 6.66 min Scan# 641
Delta R.T. -0.01 min
Lab File: BM010803.D
Acq: 13 Jul 2017 09:29

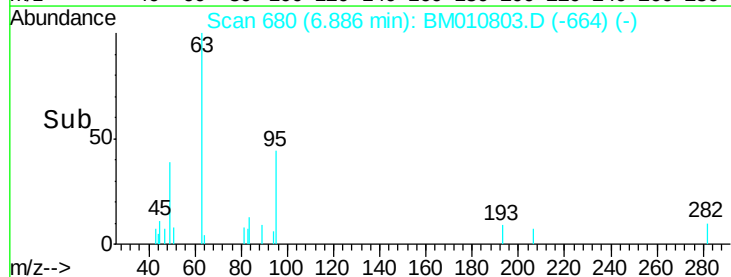
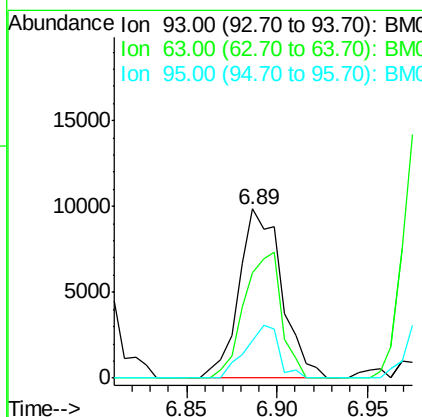
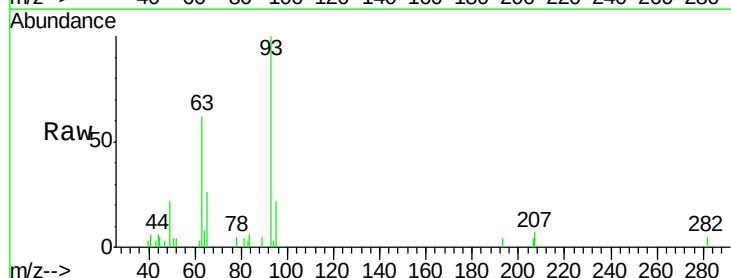
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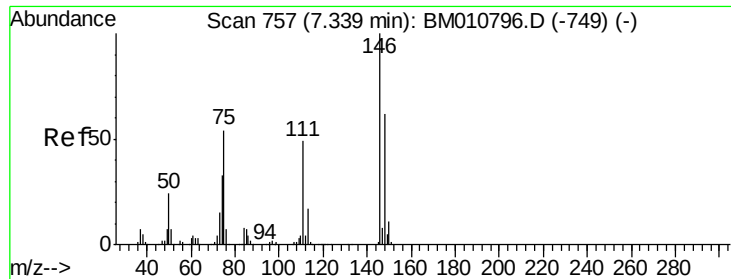
Tgt Ion: 94 Resp: 20190
Ion Ratio Lower Upper
94 100
65 44.3 18.8 58.8
66 112.1 39.9 79.9#



#11
bis(2-Chloroethyl)ether
Concen: 1.099 ng
RT: 6.89 min Scan# 680
Delta R.T. -0.01 min
Lab File: BM010803.D
Acq: 13 Jul 2017 09:29

Tgt Ion: 93 Resp: 16172
Ion Ratio Lower Upper
93 100
63 62.3 49.5 89.5
95 21.9 13.5 53.5

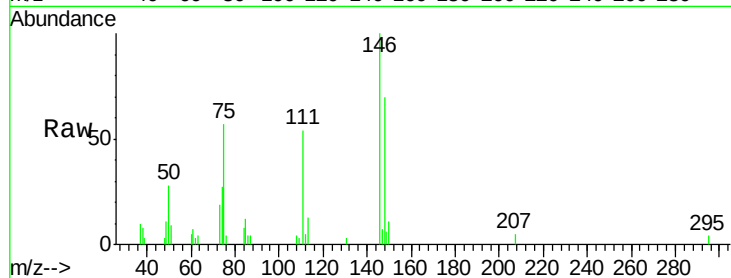




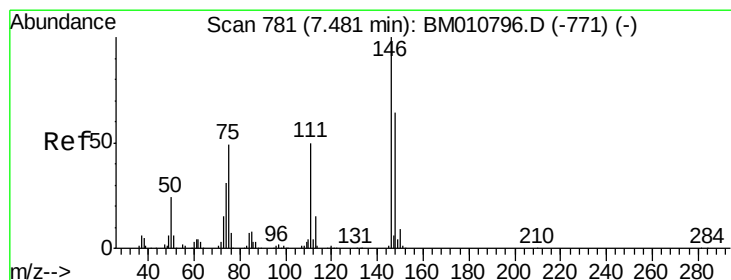
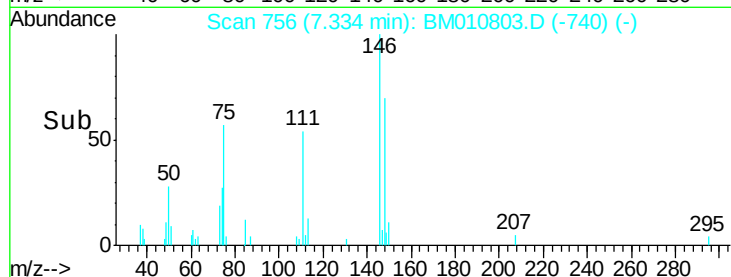
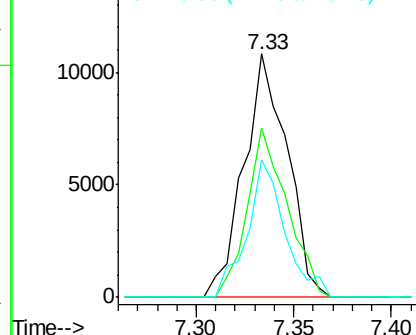
#12
 1,3-Dichlorobenzene
 Concen: 1.040 ng
 RT: 7.33 min Scan# 756
 Delta R.T. -0.01 min
 Lab File: BM010803.D
 Acq: 13 Jul 2017 09:29

Instrument :
 BNA_M
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 LOD-SOIL-01-QT3-2017

Tgt Ion	Ratio	Lower	Upper
146	100		
148	69.5	50.9	76.3
75	56.5	21.4	32.2

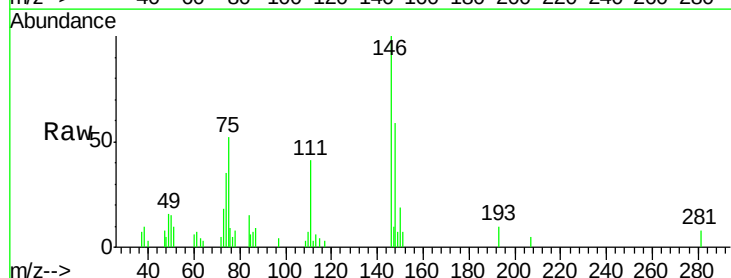


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 75.00 (74.70 to 75.70): BM010803.D (-740) (-)

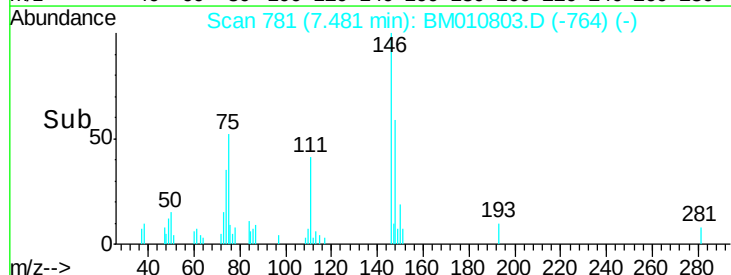
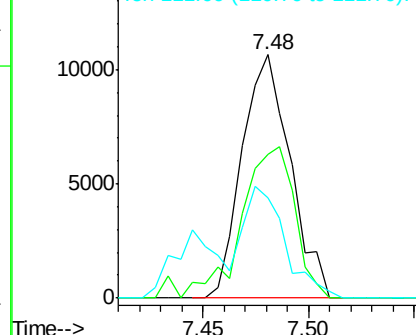


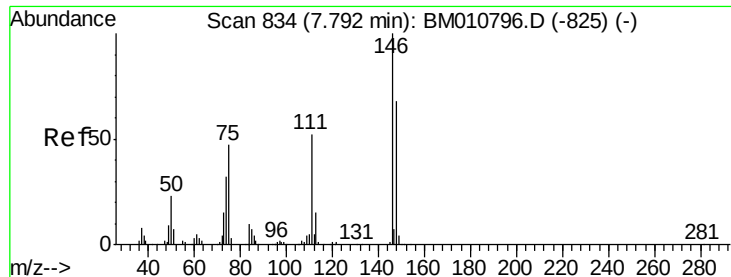
#13
 1,4-Dichlorobenzene
 Concen: 1.020 ng
 RT: 7.48 min Scan# 781
 Delta R.T. -0.00 min
 Lab File: BM010803.D
 Acq: 13 Jul 2017 09:29

Tgt Ion	Ratio	Lower	Upper
146	100		
148	58.8	51.9	77.9
111	41.0	29.2	43.8



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

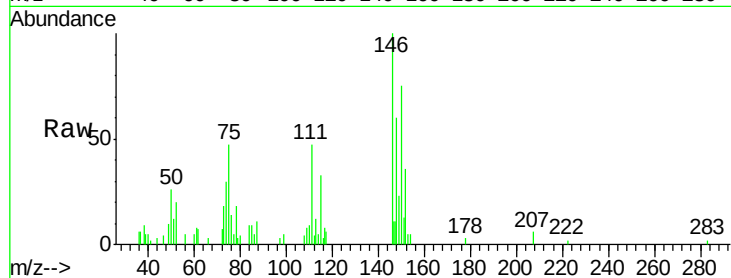




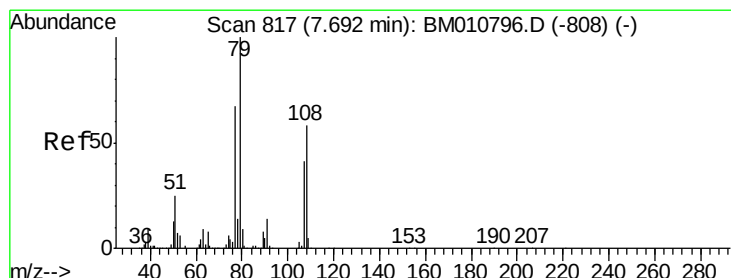
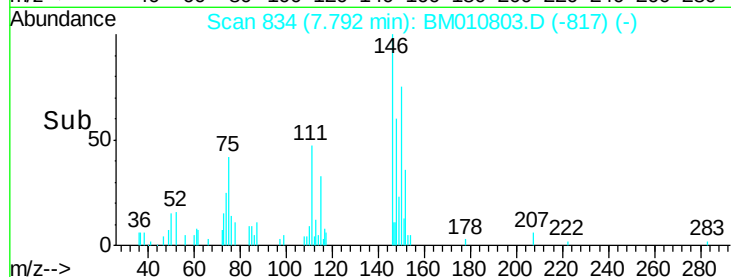
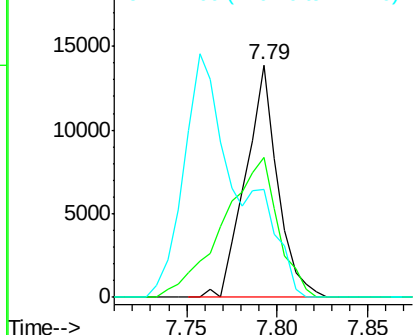
#14
 1,2-Dichlorobenzene
 Concen: 1.082 ng
 RT: 7.79 min Scan# 834
 Delta R.T. -0.00 min
 Lab File: BM010803.D
 Acq: 13 Jul 2017 09:29

Instrument :
 BNA_M
 ClientSampleId :
 LOD-SOIL-01-QT3-2017

Tgt Ion: 146 Resp: 17061
 Ion Ratio Lower Upper
 146 100
 148 60.1 52.3 78.5
 111 46.6 30.6 45.8#

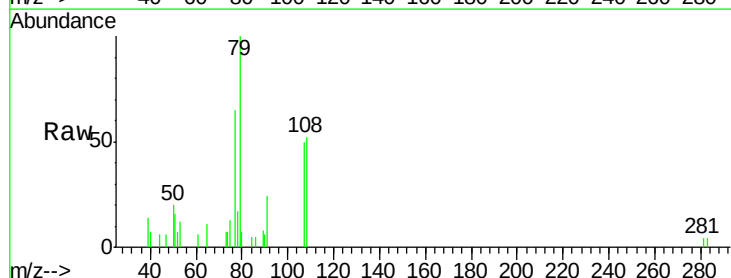


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

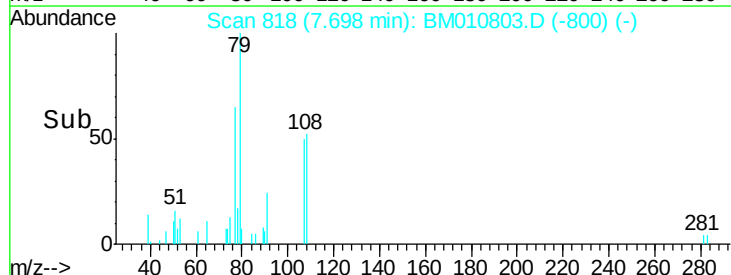
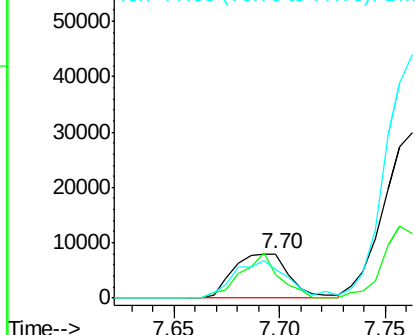


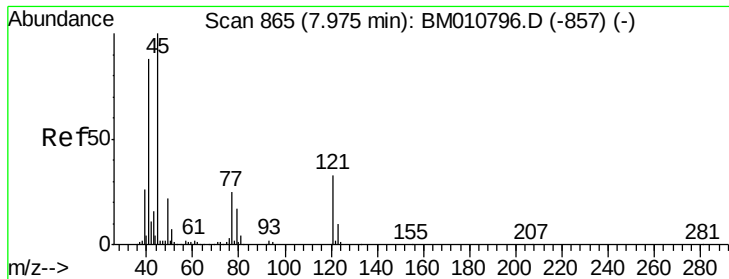
#15
 Benzyl Alcohol
 Concen: 0.866 ng
 RT: 7.70 min Scan# 818
 Delta R.T. 0.01 min
 Lab File: BM010803.D
 Acq: 13 Jul 2017 09:29

Tgt Ion: 79 Resp: 14825
 Ion Ratio Lower Upper
 79 100
 108 52.2 65.0 97.4#
 77 64.7 53.0 79.6



Abundance Ion 79.00 (78.70 to 79.70): BM0
 Ion 108.00 (107.70 to 108.70): E
 Ion 77.00 (76.70 to 77.70): BM0

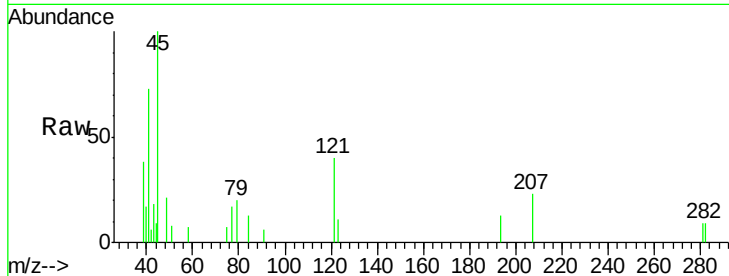




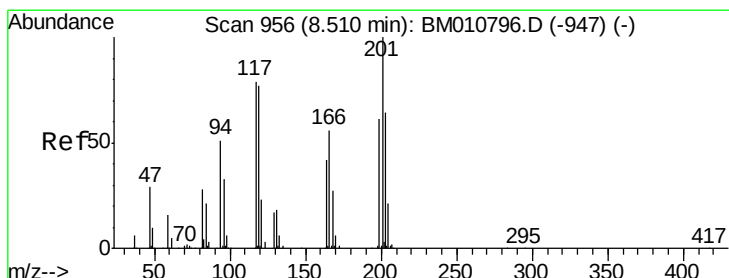
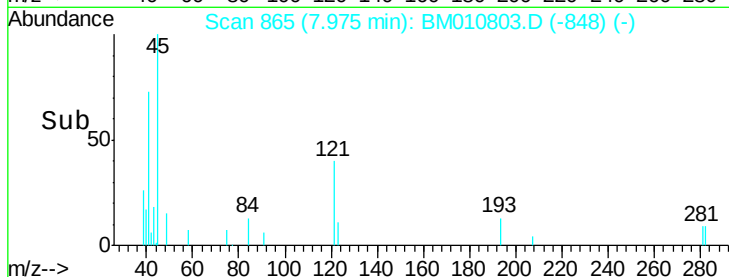
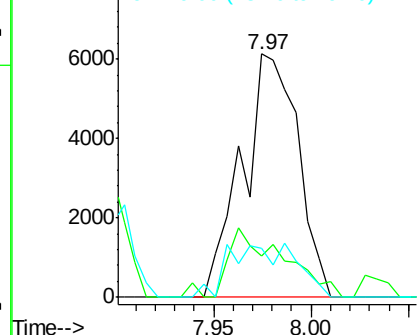
#16
2,2'-oxybis(1-chloropropane)
Concen: 0.949 ng
RT: 7.97 min Scan# 865
Delta R.T. -0.00 min
Lab File: BM010803.D
Acq: 13 Jul 2017 09:29

Instrument :
BNA_M
ClientSampleId :
LOD-SOIL-01-QT3-2017

Tgt Ion: 45 Resp: 12112
Ion Ratio Lower Upper
45 100
77 17.2 0.0 35.2
79 20.1 0.0 32.0

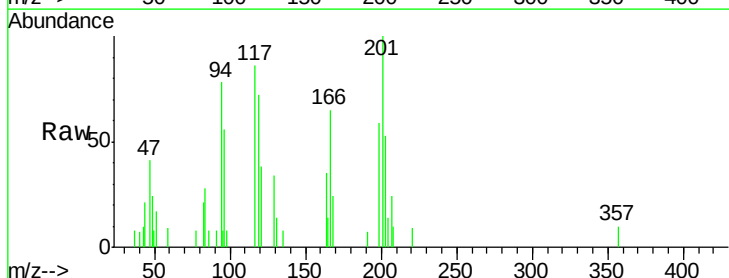


Abundance Ion 45.00 (44.70 to 45.70): BM0
Ion 77.00 (76.70 to 77.70): BM0
Ion 79.00 (78.70 to 79.70): BM0

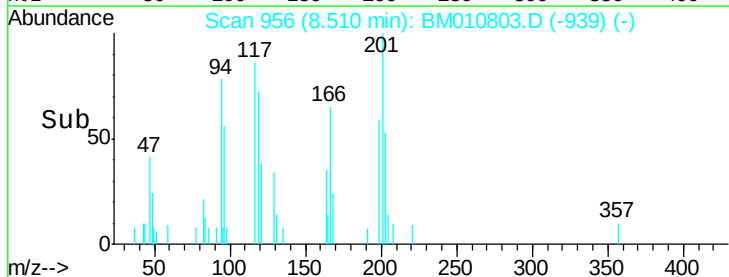
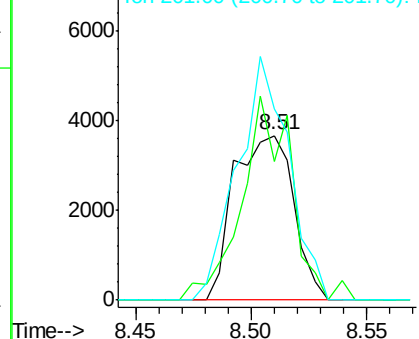


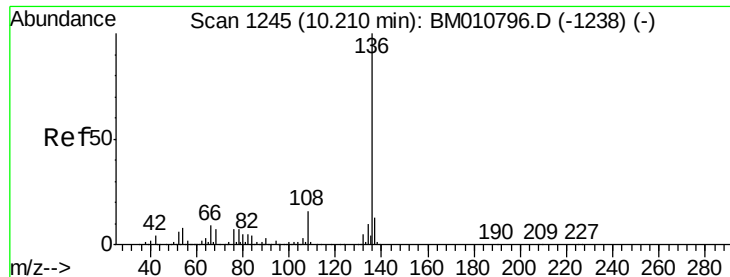
#18
Hexachloroethane
Concen: 0.945 ng
RT: 8.51 min Scan# 956
Delta R.T. -0.00 min
Lab File: BM010803.D
Acq: 13 Jul 2017 09:29

Tgt Ion: 117 Resp: 6562
Ion Ratio Lower Upper
117 100
119 84.0 79.2 118.8
201 116.1 69.8 104.6#



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

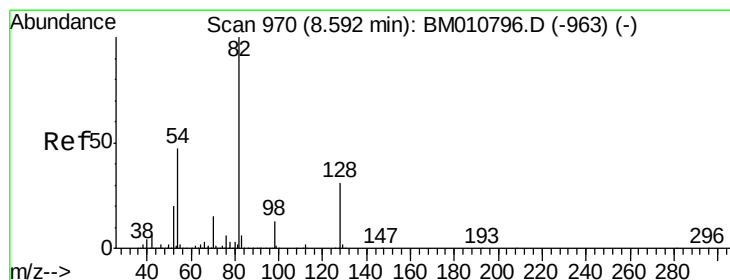
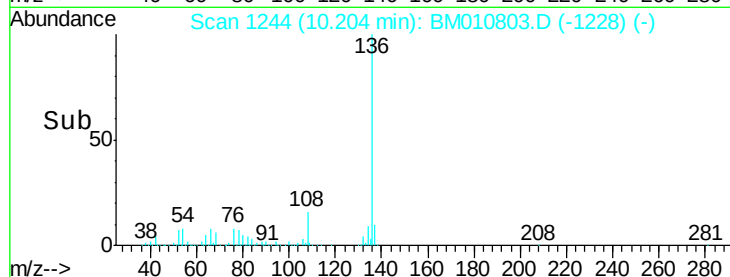
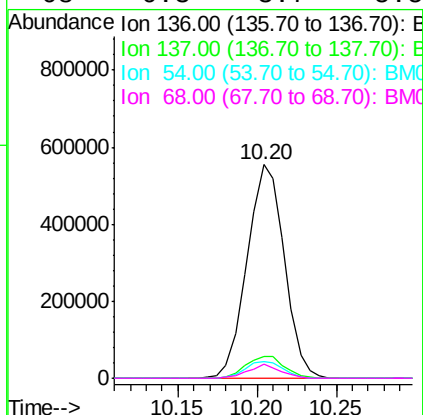
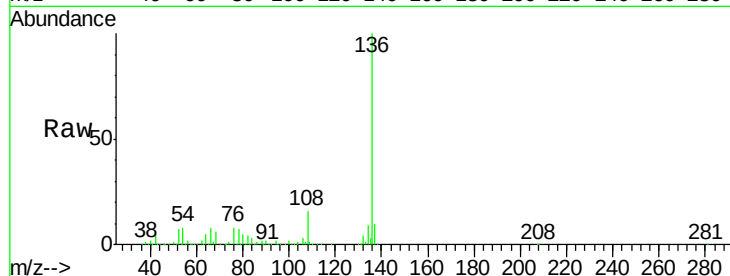




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.20 min Scan# 1244
Delta R.T. -0.01 min
Lab File: BM010803.D
Acq: 13 Jul 2017 09:29

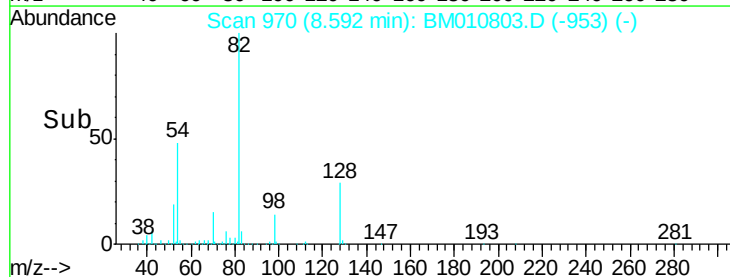
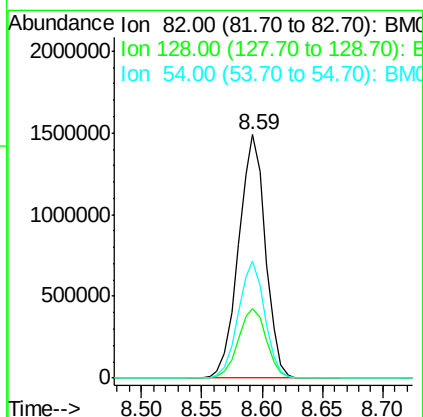
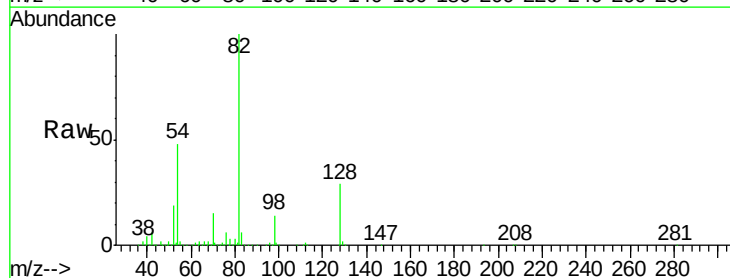
Instrument :
BNA_M
ClientSampleId :
LOD-SOIL-01-QT3-2017

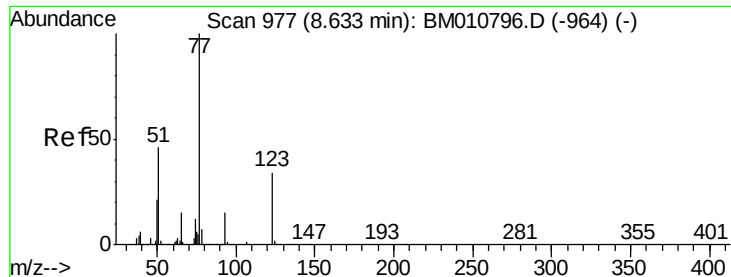
Tgt Ion	Ratio	Lower	Upper
136	100		
137	10.2	8.7	13.1
54	7.8	4.6	6.8#
68	6.3	3.7	5.5#



#23
Nitrobenzene-d5
Concen: 97.802 ng
RT: 8.59 min Scan# 970
Delta R.T. -0.00 min
Lab File: BM010803.D
Acq: 13 Jul 2017 09:29

Tgt Ion	Ratio	Lower	Upper
82	100		
128	28.8	32.8	49.2#
54	47.8	40.6	60.8

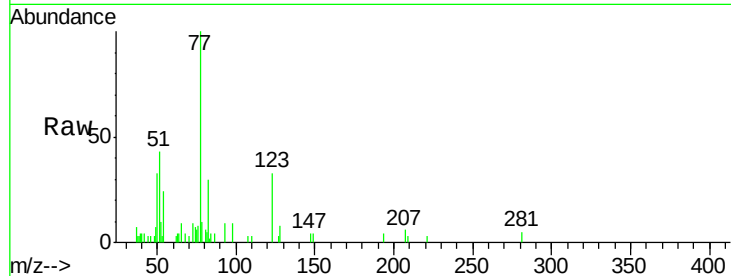




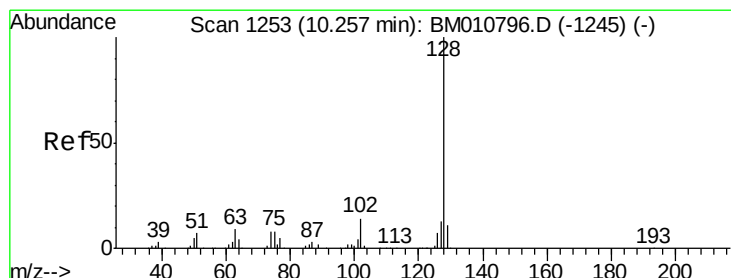
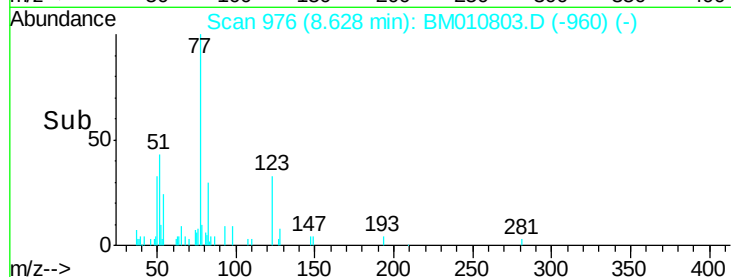
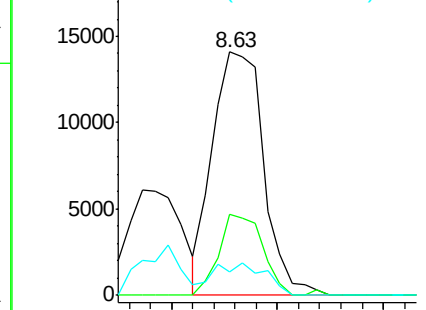
#24
 Nitrobenzene
 Concen: 0.980 ng
 RT: 8.63 min Scan# 976
 Delta R.T. -0.01 min
 Lab File: BM010803.D
 Acq: 13 Jul 2017 09:29

Instrument :
 BNA_M
 ClientSampleId :
 LOD-SOIL-01-QT3-2017

Tgt Ion	Ratio	Lower	Upper
77	100		
123	33.1	32.6	49.0
65	9.4	10.9	16.3#

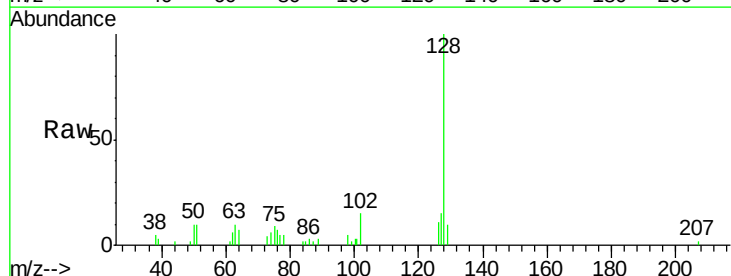


Abundance Ion 77.00 (76.70 to 77.70): BM010796.D (-964) (-)

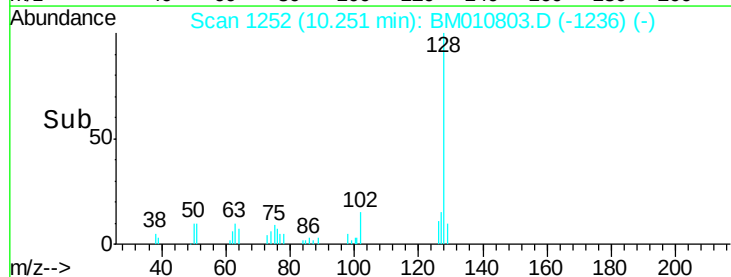
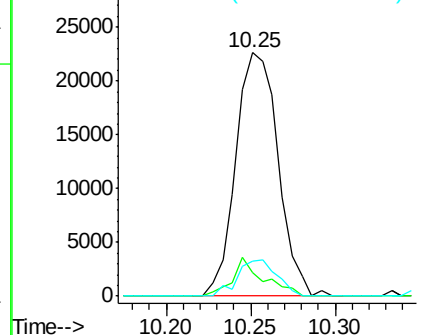


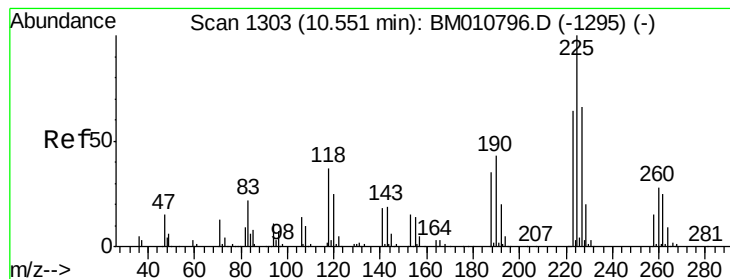
#31
 Naphthalene
 Concen: 0.857 ng
 RT: 10.25 min Scan# 1252
 Delta R.T. -0.01 min
 Lab File: BM010803.D
 Acq: 13 Jul 2017 09:29

Tgt Ion	Ratio	Lower	Upper
128	100		
129	9.7	8.9	13.3
127	14.5	10.4	15.6



Abundance Ion 128.00 (127.70 to 128.70): BM010796.D (-1245) (-)





#34

Hexachlorobutadiene

Concen: 0.841 ng

RT: 10.55 min Scan# 1303

Delta R.T. -0.00 min

Lab File: BM010803.D

Acq: 13 Jul 2017 09:29

Instrument :

BNA_M

ClientSampleId :

LOD-SOIL-01-QT3-2017

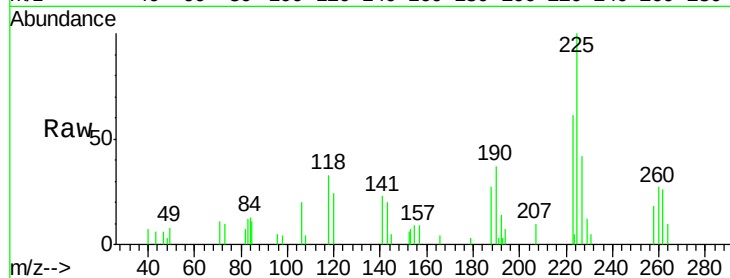
Tgt Ion:225 Resp: 12910

Ion Ratio Lower Upper

225 100

223 65.6 47.9 71.9

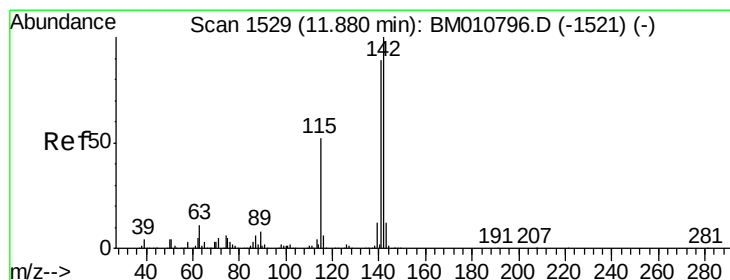
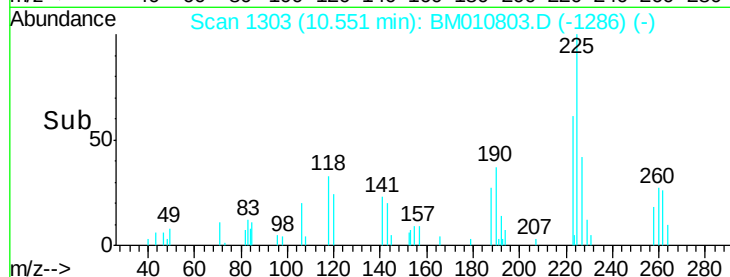
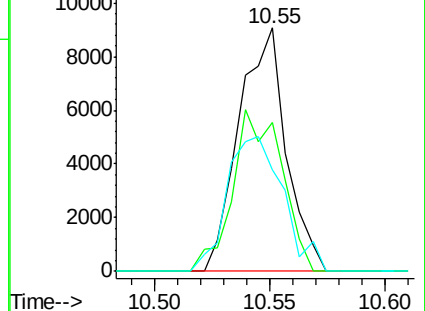
227 41.6 50.1 75.1#



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



#37

2-Methylnaphthalene

Concen: 0.947 ng

RT: 11.87 min Scan# 1528

Delta R.T. -0.01 min

Lab File: BM010803.D

Acq: 13 Jul 2017 09:29

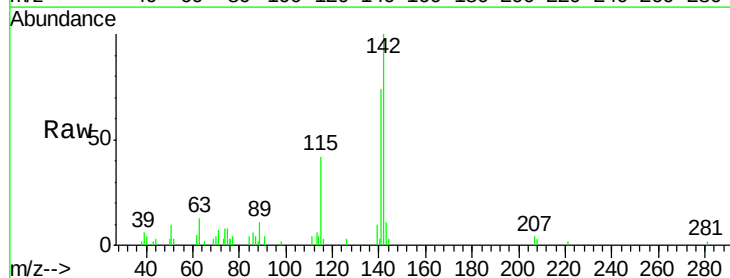
Tgt Ion:142 Resp: 31291

Ion Ratio Lower Upper

142 100

141 73.6 71.9 107.9

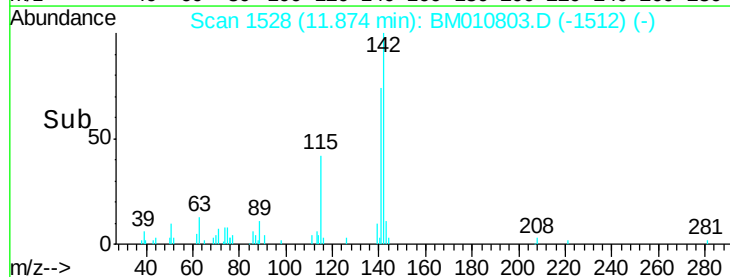
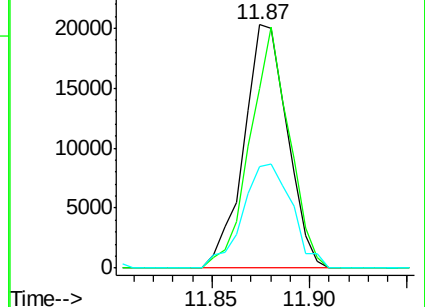
115 42.0 25.4 38.0#

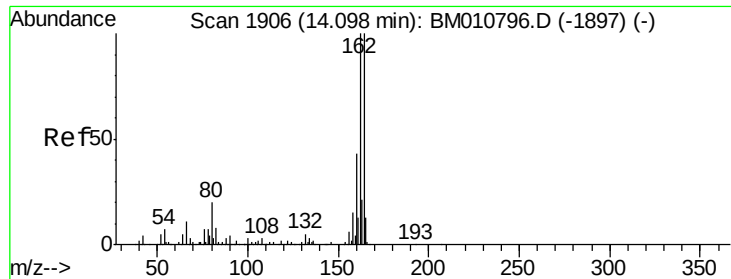


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.10 min Scan# 1906

Delta R.T. -0.00 min

Lab File: BM010803.D

Acq: 13 Jul 2017 09:29

Instrument :

BNA_M

ClientSampleId :

LOD-SOIL-01-QT3-2017

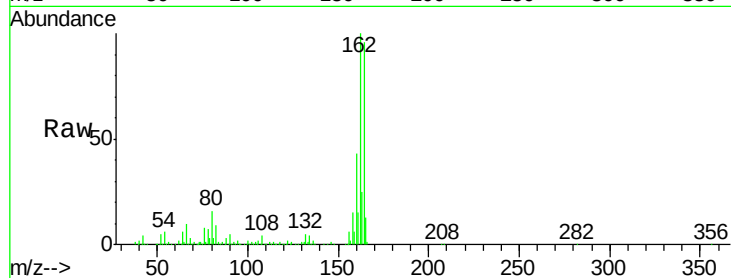
Tgt Ion:164 Resp: 601329

Ion Ratio Lower Upper

164 100

162 104.3 82.4 123.6

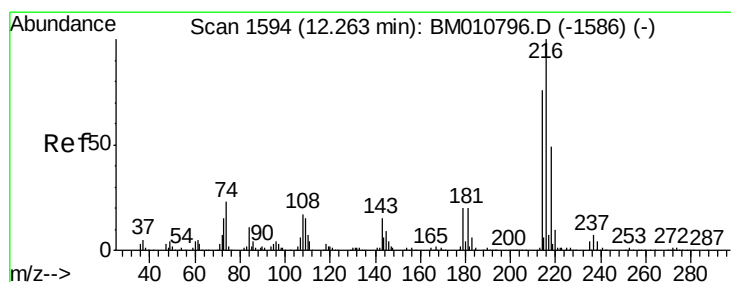
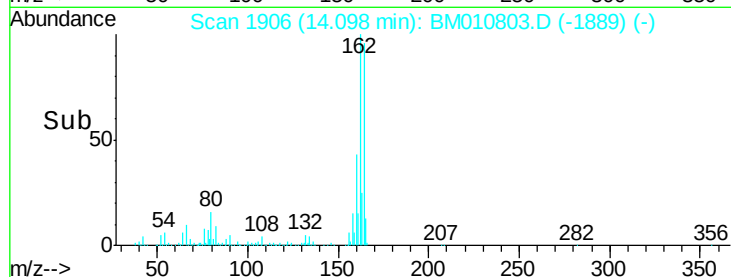
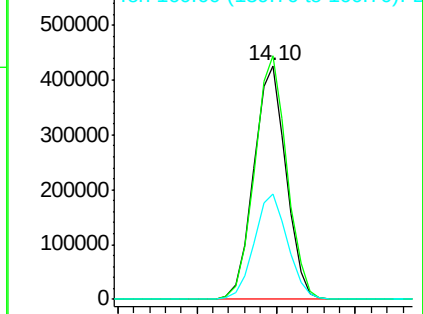
160 45.3 35.8 53.6



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: 0.915 ng

RT: 12.26 min Scan# 1593

Delta R.T. -0.01 min

Lab File: BM010803.D

Acq: 13 Jul 2017 09:29

Tgt Ion:216 Resp: 23993

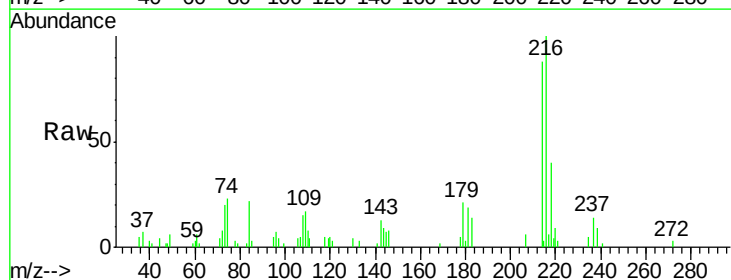
Ion Ratio Lower Upper

216 100

214 81.9 0.0 0.0#

179 26.9 0.0 0.0#

108 21.3 0.0 0.0#

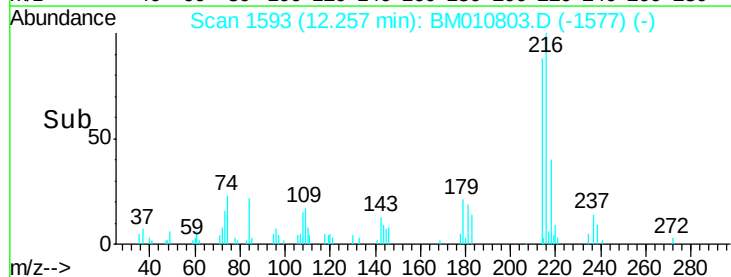
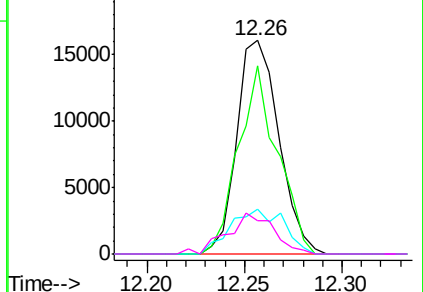


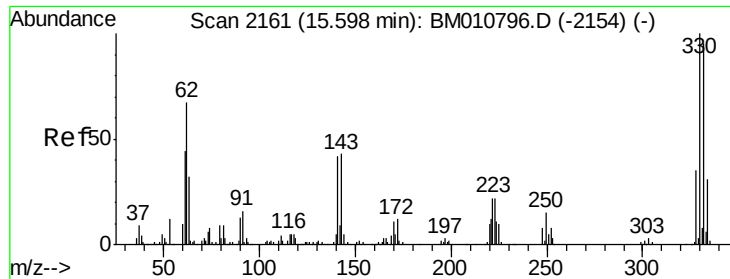
Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E

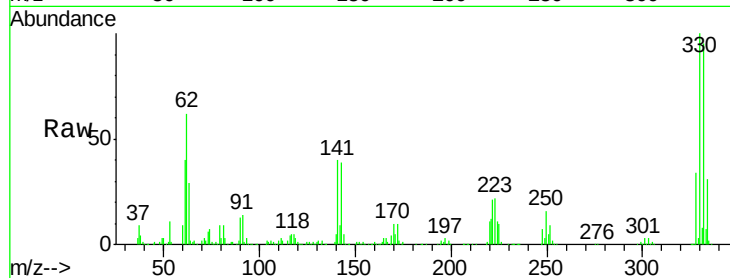




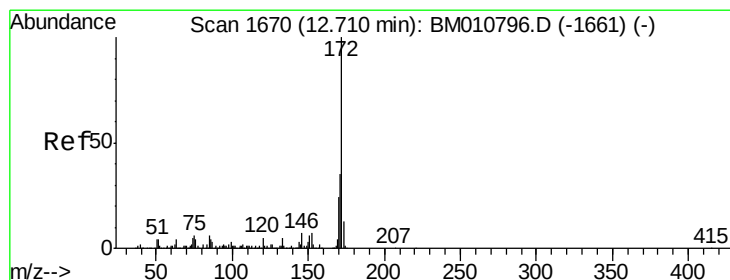
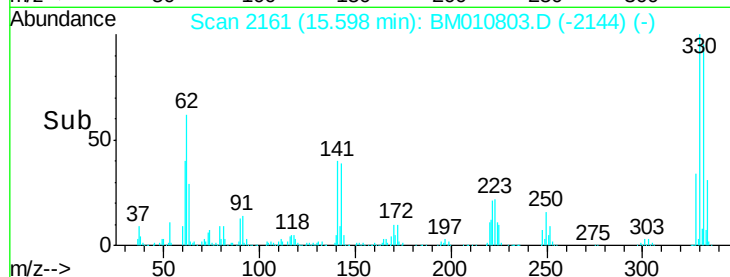
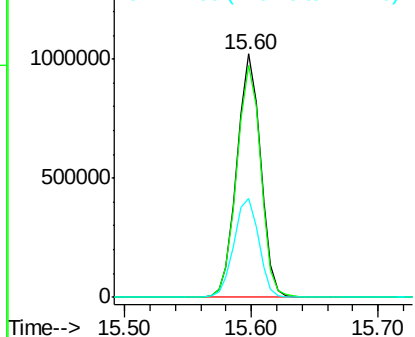
#41
 2,4,6-Tribromophenol
 Concen: 143.858 ng
 RT: 15.60 min Scan# 2161
 Delta R.T. -0.00 min
 Lab File: BM010803.D
 Acq: 13 Jul 2017 09:29

Instrument :
 BNA_M
 ClientSampleId :
 LOD-SOIL-01-QT3-2017

Tgt Ion:330 Resp: 1321975
 Ion Ratio Lower Upper
 330 100
 332 96.3 0.0 0.0#
 141 42.2 0.0 0.0#

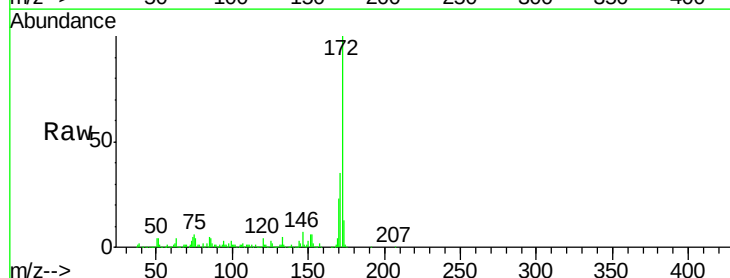


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

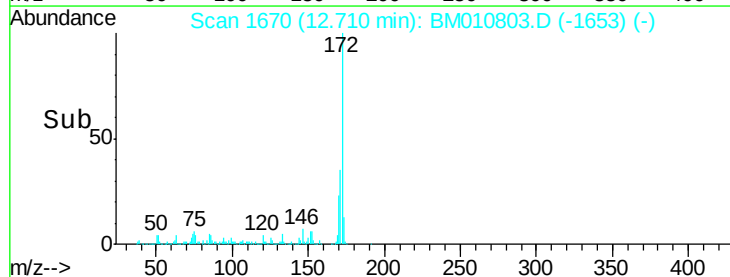
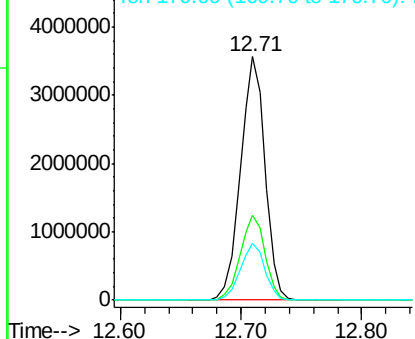


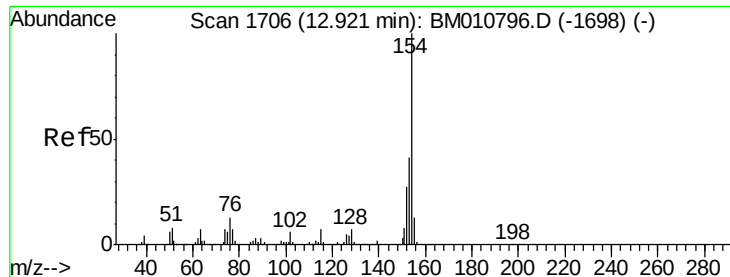
#44
 2-Fluorobiphenyl
 Concen: 103.894 ng
 RT: 12.71 min Scan# 1670
 Delta R.T. -0.00 min
 Lab File: BM010803.D
 Acq: 13 Jul 2017 09:29

Tgt Ion:172 Resp: 5021982
 Ion Ratio Lower Upper
 172 100
 171 35.1 28.5 42.7
 170 23.2 18.8 28.2



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

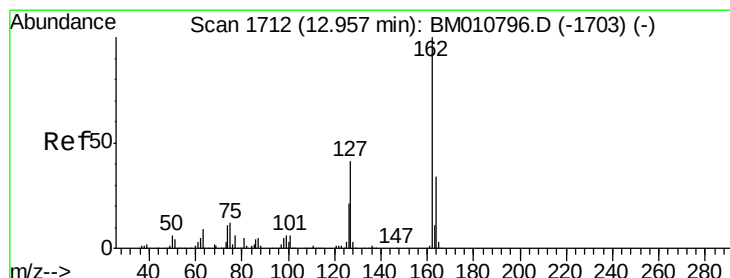
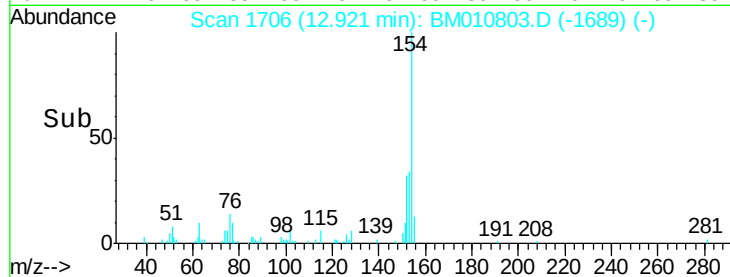
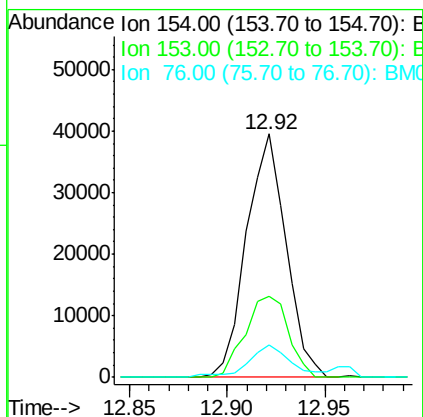
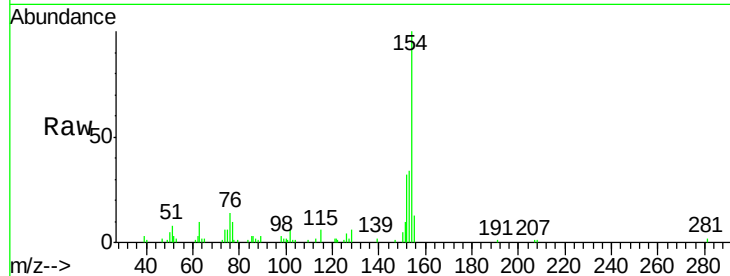




#45
 1,1'-Biphenyl
 Concen: 1.059 ng
 RT: 12.92 min Scan# 1706
 Delta R.T. -0.00 min
 Lab File: BM010803.D
 Acq: 13 Jul 2017 09:29

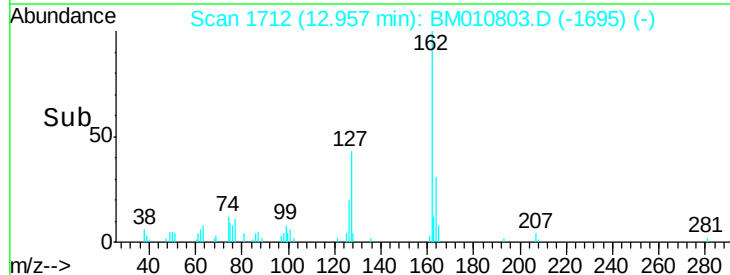
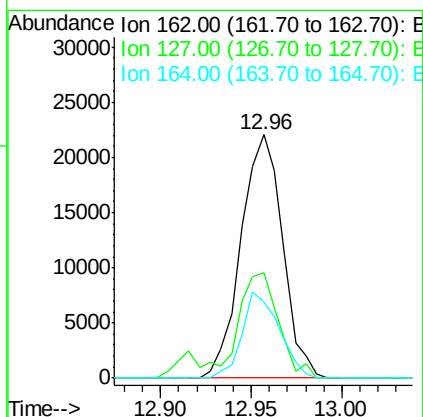
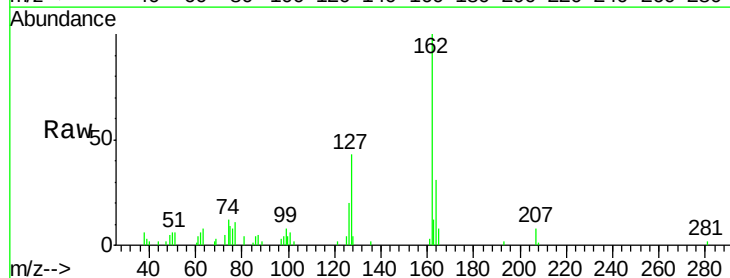
Instrument :
 BNA_M
 ClientSampleId :
 LOD-SOIL-01-QT3-2017

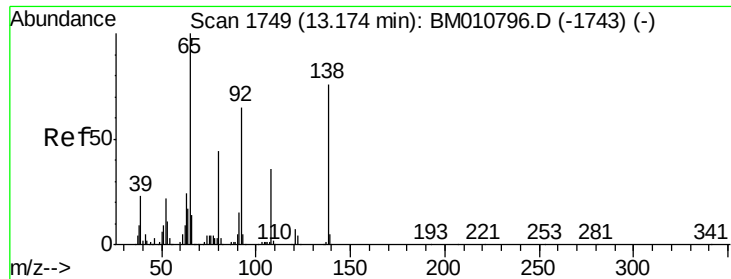
Tgt Ion:	154	Resp:	55501
Ion	Ratio	Lower	Upper
154	100		
153	33.5	20.7	60.7
76	13.5	0.0	30.9



#46
 2-Chloronaphthalene
 Concen: 0.915 ng
 RT: 12.96 min Scan# 1712
 Delta R.T. -0.00 min
 Lab File: BM010803.D
 Acq: 13 Jul 2017 09:29

Tgt Ion:	162	Resp:	35153
Ion	Ratio	Lower	Upper
162	100		
127	43.4	26.9	40.3#
164	31.4	26.8	40.2

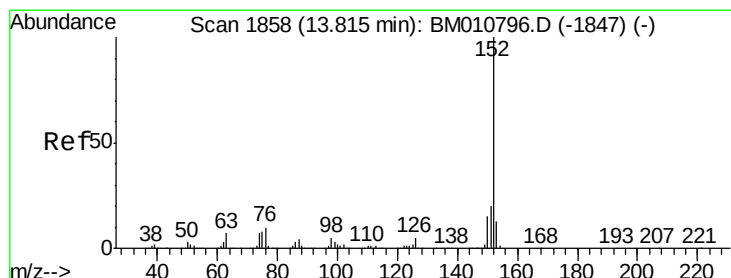
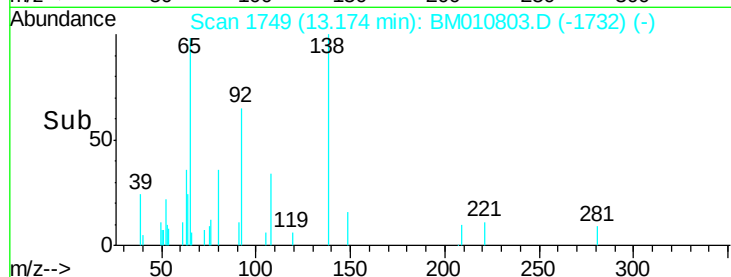
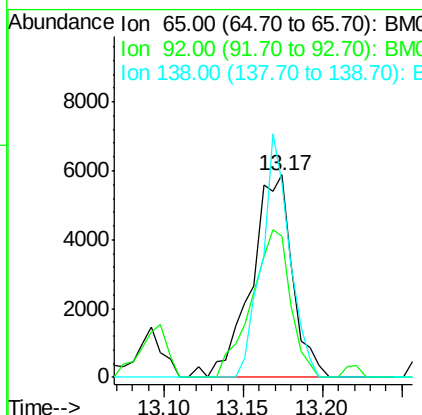
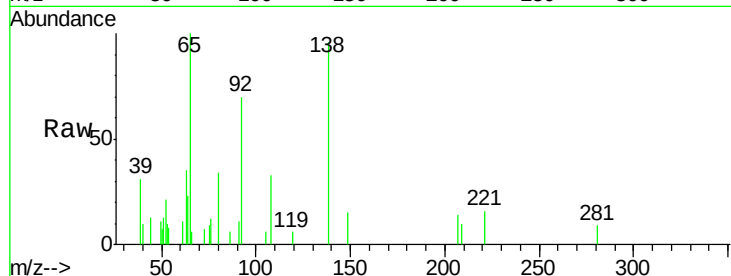




#47
2-Nitroaniline
Concen: 0.840 ng
RT: 13.17 min Scan# 1749
Delta R.T. -0.00 min
Lab File: BM010803.D
Acq: 13 Jul 2017 09:29

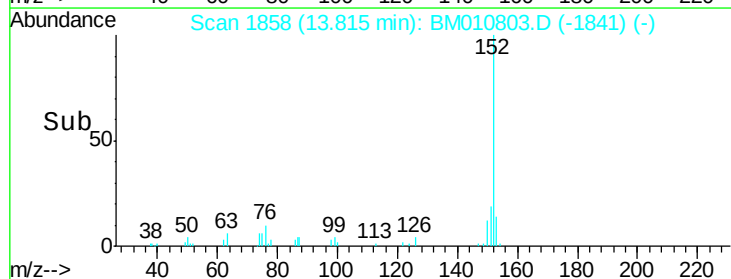
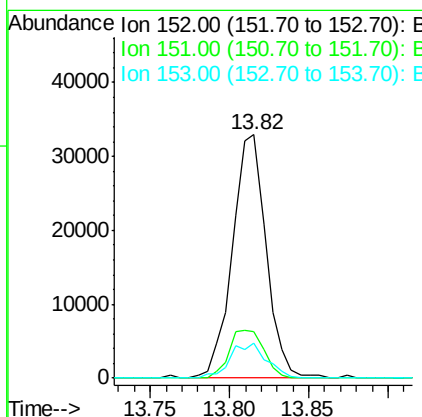
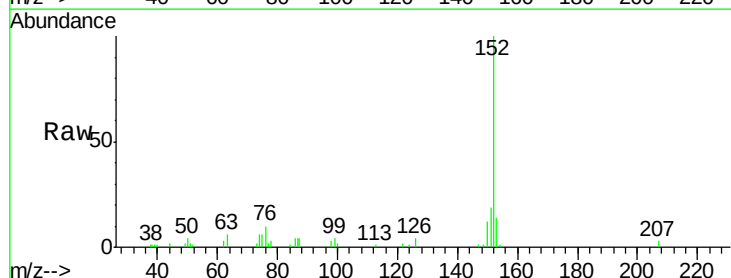
Instrument :
BNA_M
ClientSampleId :
LOD-SOIL-01-QT3-2017

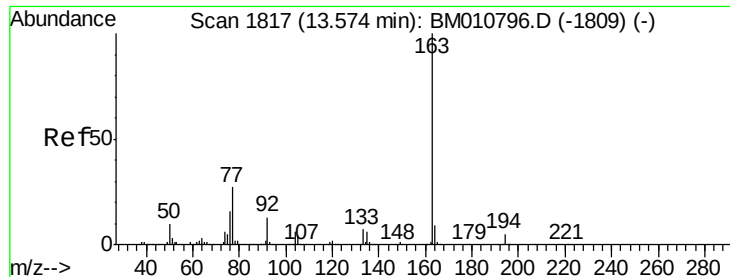
Tgt Ion	Ratio	Lower	Upper
65	100		
92	69.7	59.1	88.7
138	96.4	93.9	140.9



#48
Acenaphthylene
Concen: 0.852 ng
RT: 13.82 min Scan# 1858
Delta R.T. -0.00 min
Lab File: BM010803.D
Acq: 13 Jul 2017 09:29

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.1	15.9	23.9
153	14.1	10.6	16.0





#49

Dimethylphthalate

Concen: 0.862 ng

RT: 13.56 min Scan# 1815

Delta R.T. -0.01 min

Lab File: BM010803.D

Acq: 13 Jul 2017 09:29

Instrument :

BNA_M

ClientSampleId :

LOD-SOIL-01-QT3-2017

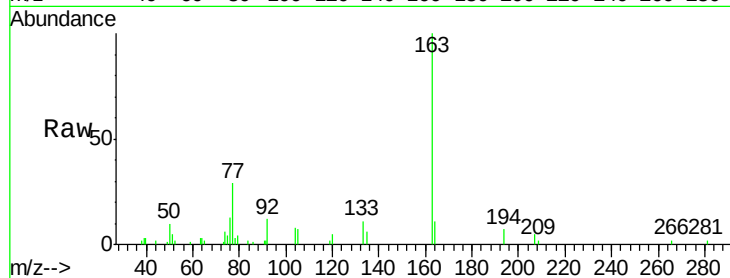
Tgt Ion:163 Resp: 44075

Ion Ratio Lower Upper

163 100

194 7.2 2.7 4.1#

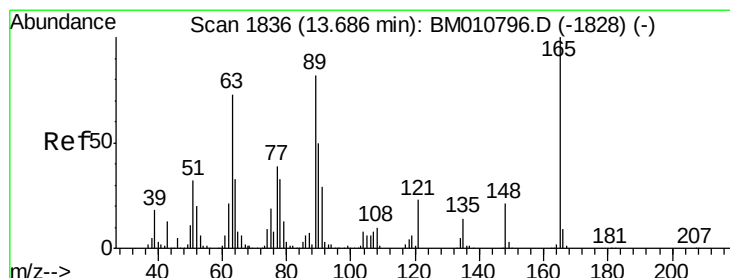
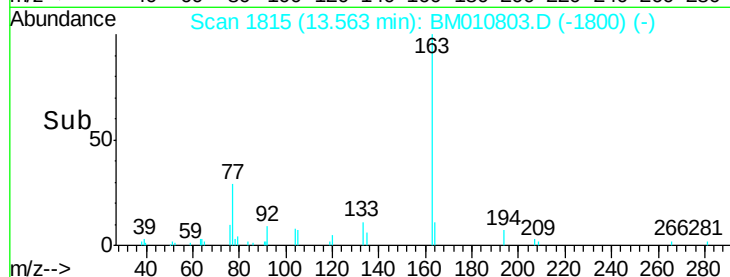
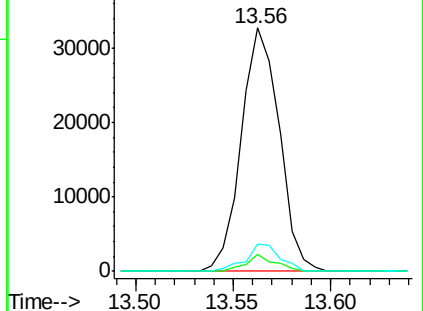
164 11.3 8.2 12.2



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: 0.785 ng

RT: 13.67 min Scan# 1834

Delta R.T. -0.01 min

Lab File: BM010803.D

Acq: 13 Jul 2017 09:29

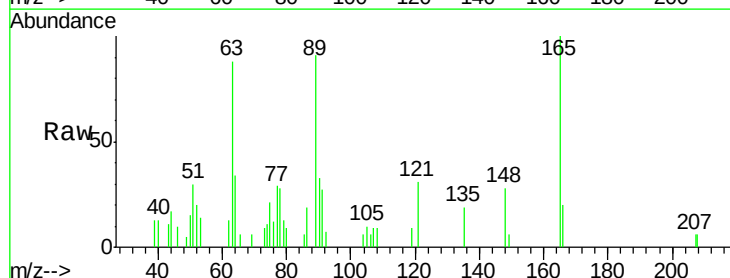
Tgt Ion:165 Resp: 7875

Ion Ratio Lower Upper

165 100

63 87.7 44.1 66.1#

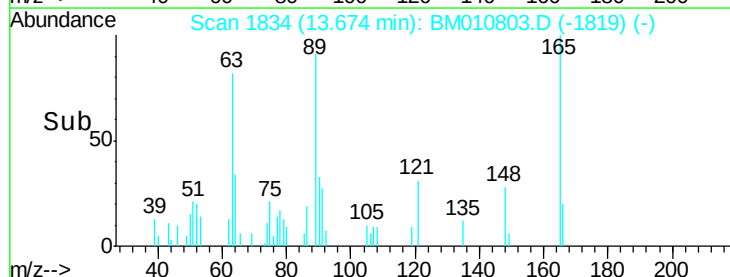
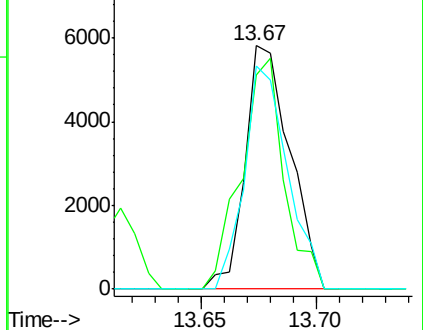
89 91.4 44.3 66.5#

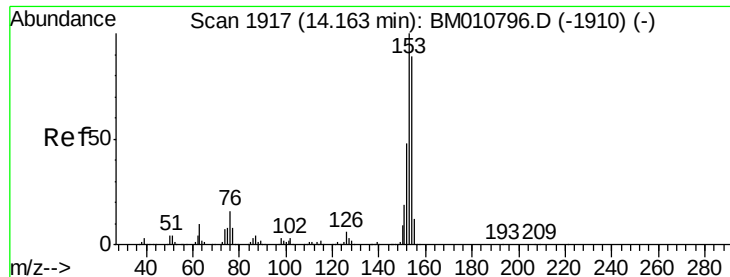


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BM0

Ion 89.00 (88.70 to 89.70): BM0





#51

Acenaphthene

Concen: 1.001 ng

RT: 14.16 min Scan# 1916

Delta R.T. -0.01 min

Lab File: BM010803.D

Acq: 13 Jul 2017 09:29

Instrument :

BNA_M

ClientSampleId :

LOD-SOIL-01-QT3-2017

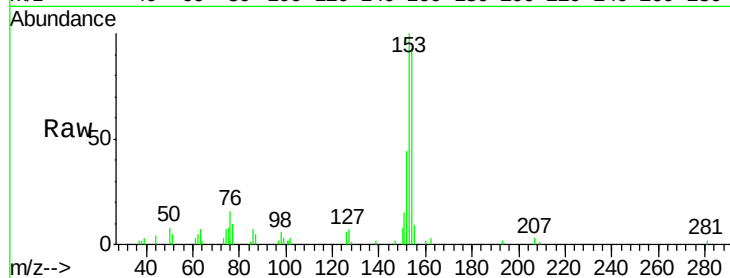
Tgt Ion:154 Resp: 34932

Ion Ratio Lower Upper

154 100

153 107.2 90.0 135.0

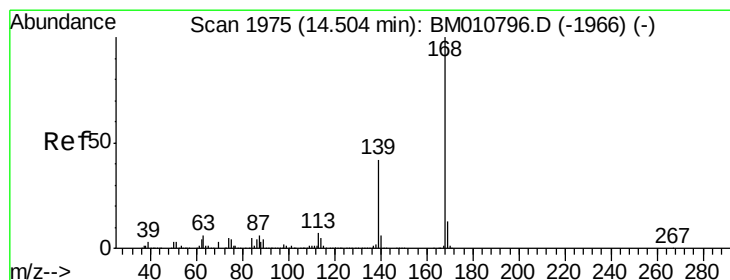
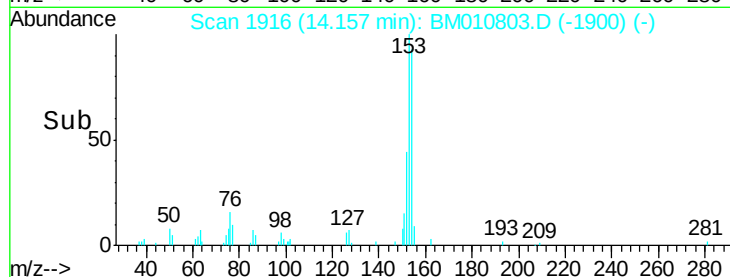
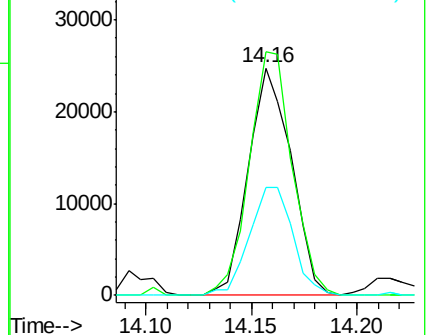
152 47.4 42.6 63.8



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#54

Dibenzofuran

Concen: 0.891 ng

RT: 14.50 min Scan# 1974

Delta R.T. -0.01 min

Lab File: BM010803.D

Acq: 13 Jul 2017 09:29

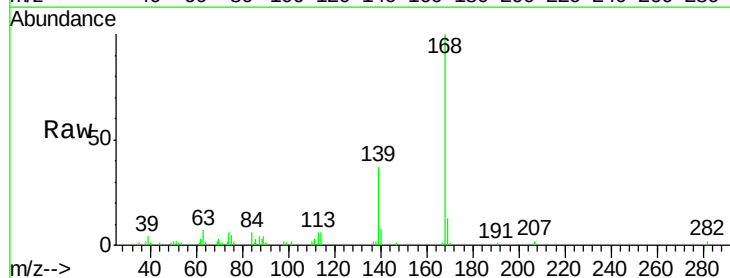
Tgt Ion:168 Resp: 50330

Ion Ratio Lower Upper

168 100

139 37.4 27.3 40.9

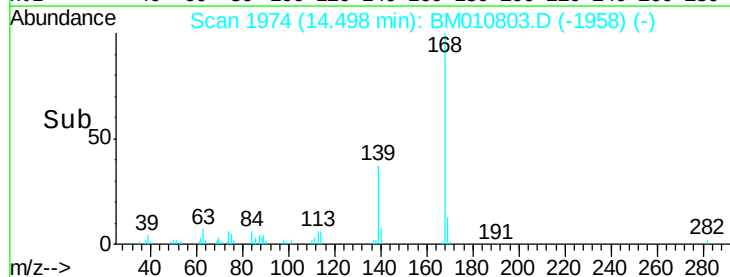
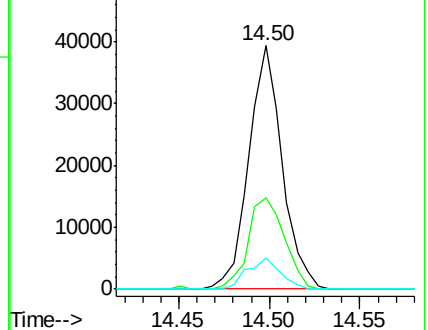
169 12.6 10.6 16.0

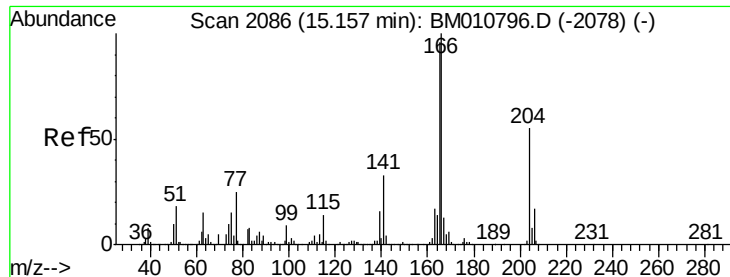


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#57

Fluorene

Concen: 0.915 ng

RT: 15.15 min Scan# 2085

Delta R.T. -0.01 min

Lab File: BM010803.D

Acq: 13 Jul 2017 09:29

Instrument :

BNA_M

ClientSampleId :

LOD-SOIL-01-QT3-2017

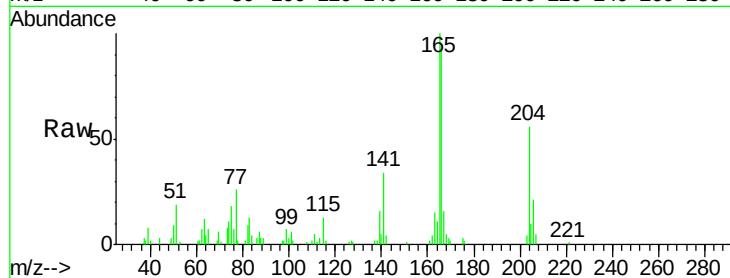
Tgt Ion:166 Resp: 44402

Ion Ratio Lower Upper

166 100

165 107.2 79.0 118.4

167 17.6 10.3 15.5#

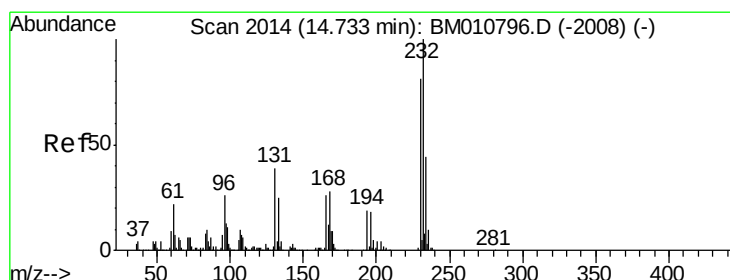
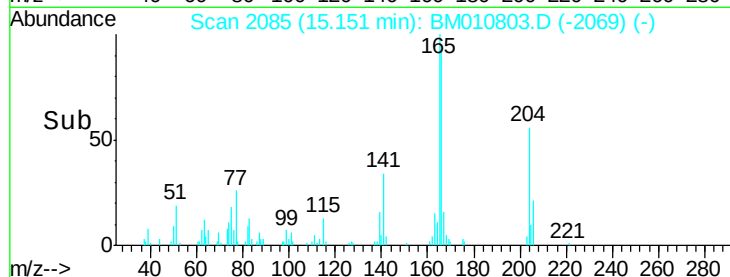
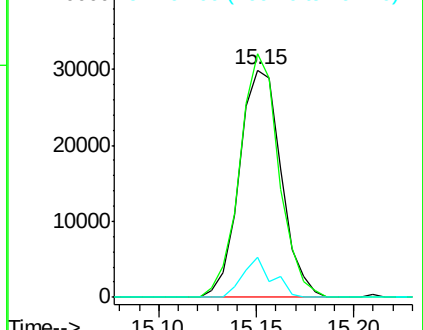


Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 0.754 ng

RT: 14.73 min Scan# 2013

Delta R.T. -0.01 min

Lab File: BM010803.D

Acq: 13 Jul 2017 09:29

Tgt Ion:232 Resp: 11167

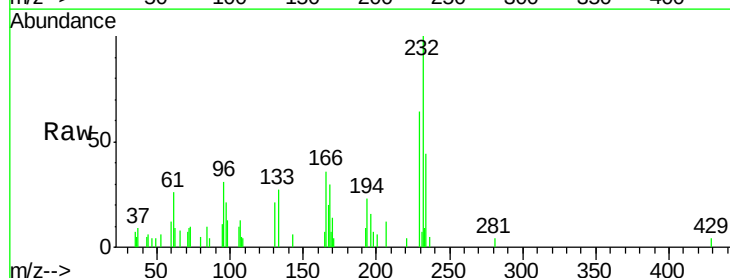
Ion Ratio Lower Upper

232 100

131 39.7 0.0 0.0#

130 1.1 0.0 0.0#

166 31.5 0.0 0.0#



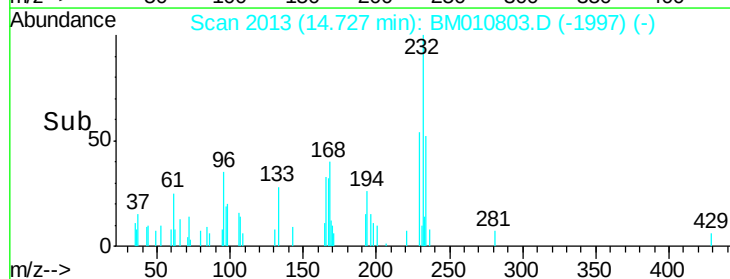
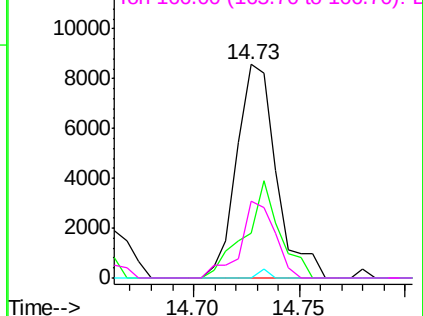
Abundance

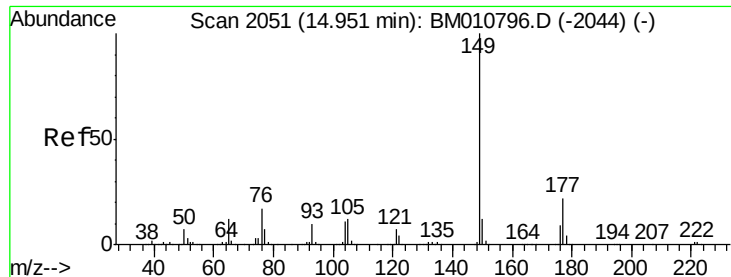
Ion 232.00 (231.70 to 232.70): E

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

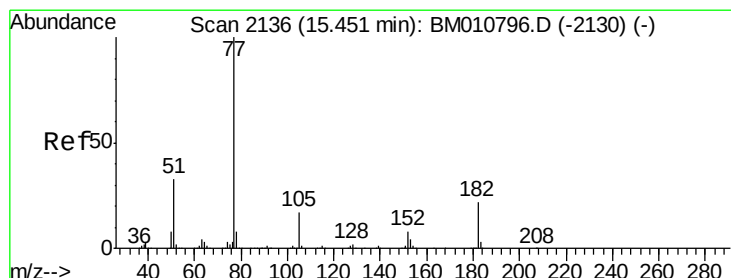
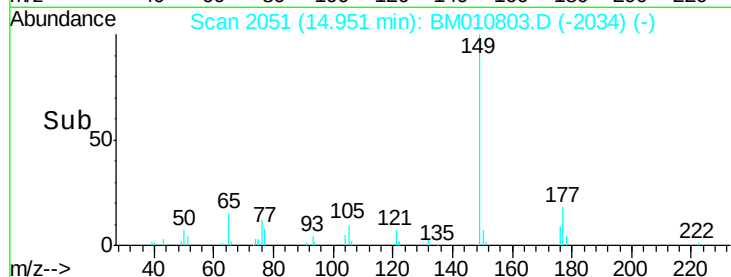
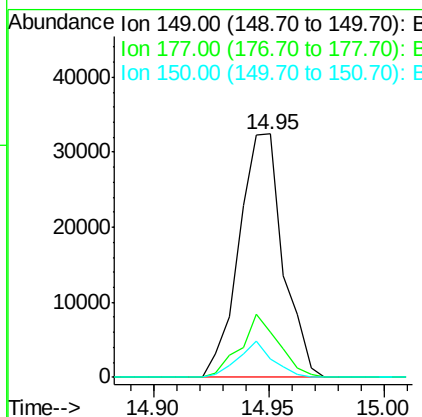
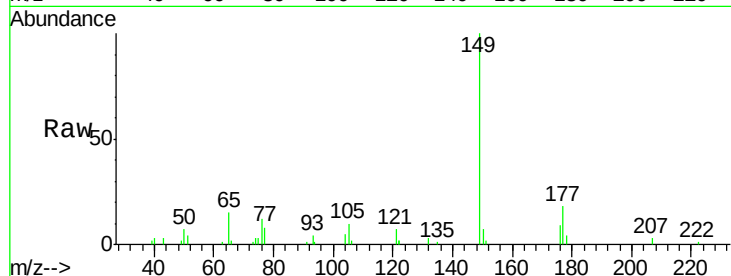




#59
Diethylphthalate
Concen: 0.853 ng
RT: 14.95 min Scan# 2051
Delta R.T. -0.00 min
Lab File: BM010803.D
Acq: 13 Jul 2017 09:29

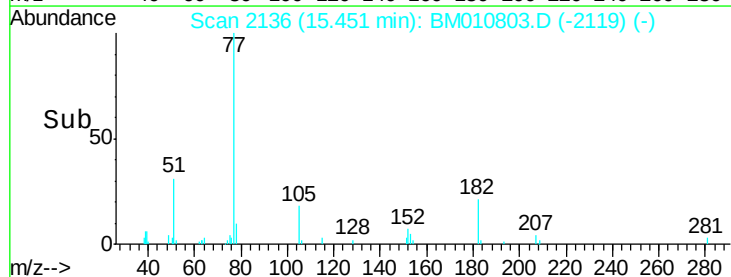
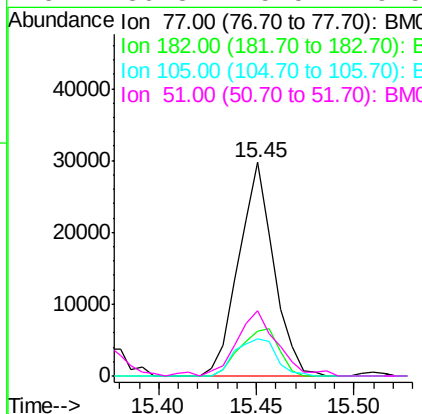
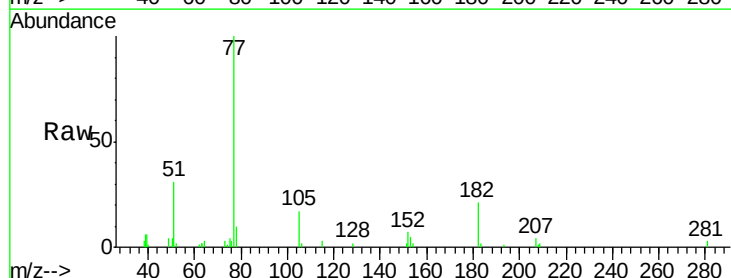
Instrument :
BNA_M
ClientSampleId :
LOD-SOIL-01-QT3-2017

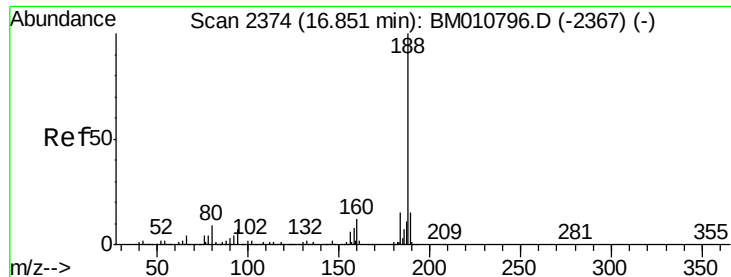
Tgt Ion:149 Resp: 43101
Ion Ratio Lower Upper
149 100
177 18.4 18.3 27.5
150 7.5 9.8 14.8#



#62
Azobenzene
Concen: 0.720 ng
RT: 15.45 min Scan# 2136
Delta R.T. -0.00 min
Lab File: BM010803.D
Acq: 13 Jul 2017 09:29

Tgt Ion: 77 Resp: 36945
Ion Ratio Lower Upper
77 100
182 20.9 6.5 46.5
105 17.2 3.8 43.8
51 30.8 5.5 45.5

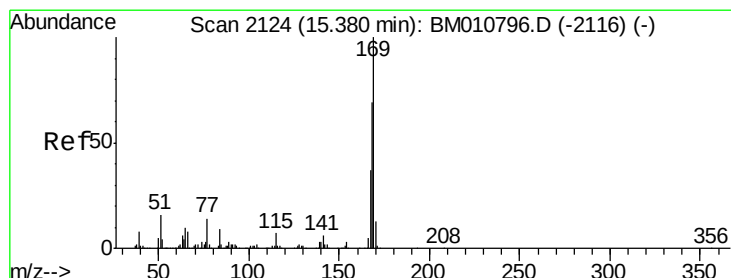
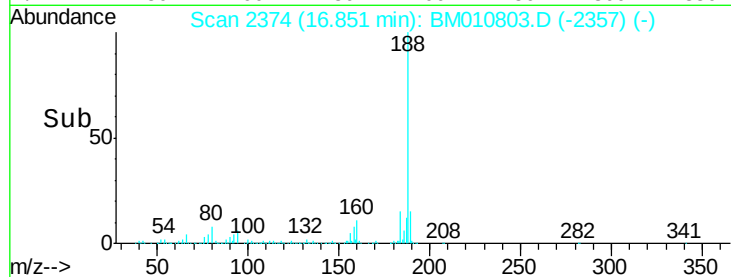
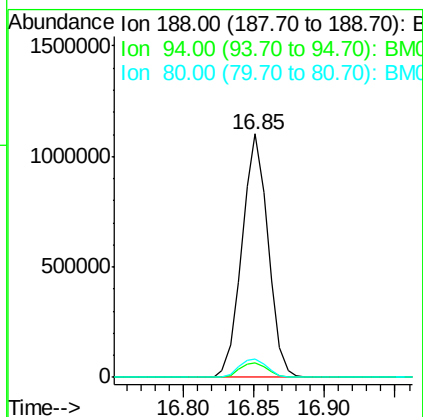
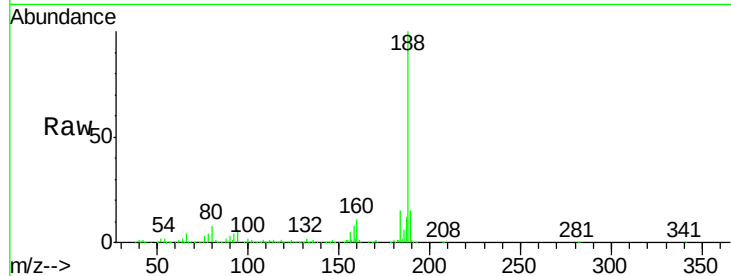




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.85 min Scan# 2374
Delta R.T. -0.00 min
Lab File: BM010803.D
Acq: 13 Jul 2017 09:29

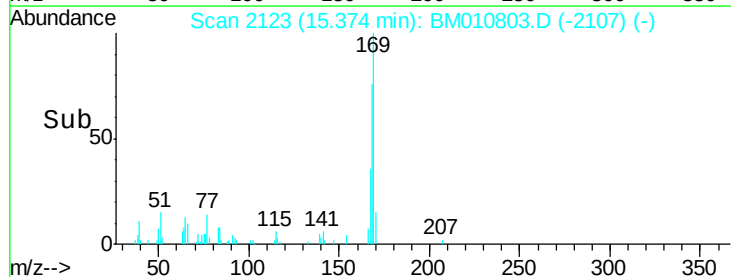
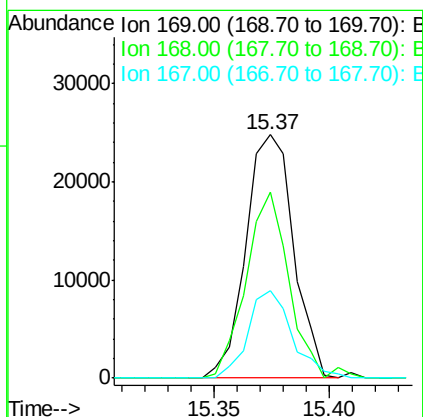
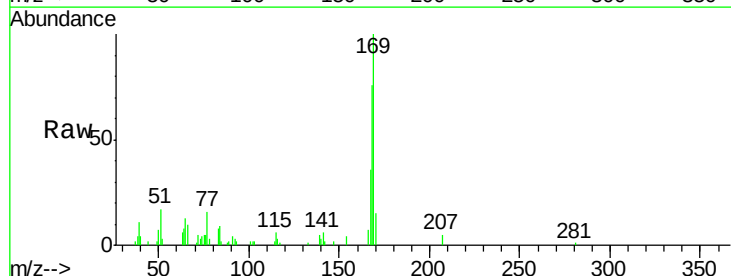
Instrument :
BNA_M
ClientSampleId :
LOD-SOIL-01-QT3-2017

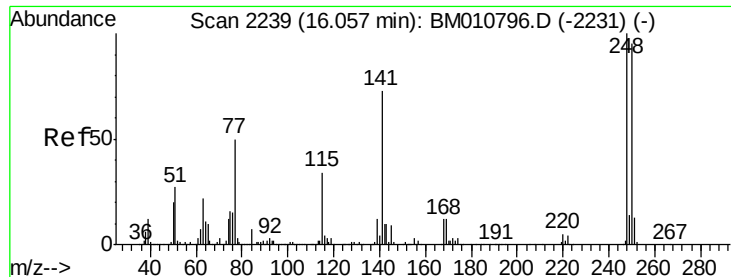
Tgt Ion:188 Resp: 1423241
Ion Ratio Lower Upper
188 100
94 5.9 8.7 13.1#
80 7.7 9.3 13.9#



#65
n-Nitrosodiphenylamine
Concen: 0.878 ng
RT: 15.37 min Scan# 2123
Delta R.T. -0.01 min
Lab File: BM010803.D
Acq: 13 Jul 2017 09:29

Tgt Ion:169 Resp: 35759
Ion Ratio Lower Upper
169 100
168 76.3 53.9 80.9
167 35.8 28.9 43.3

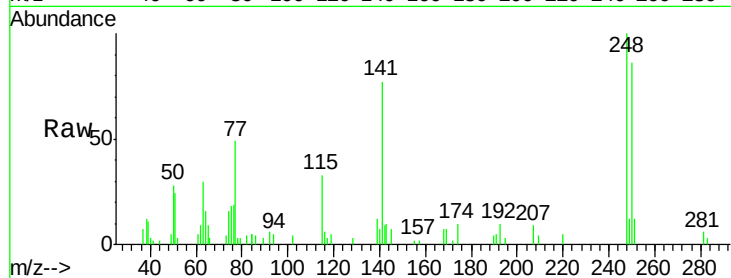




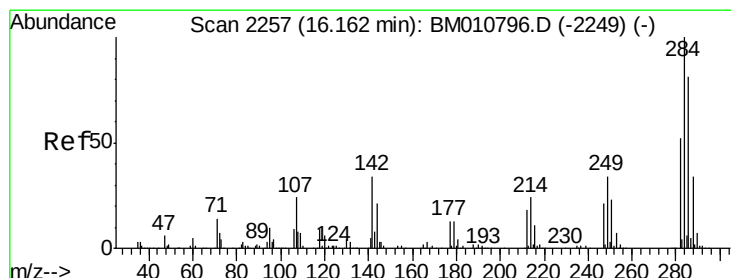
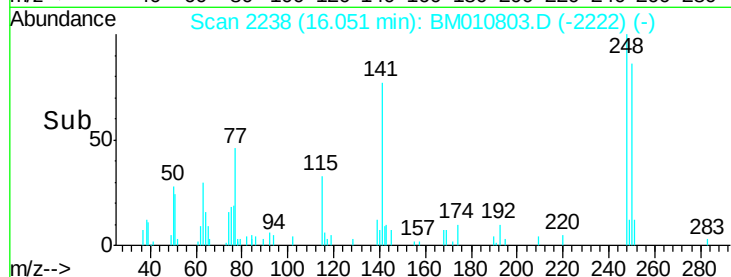
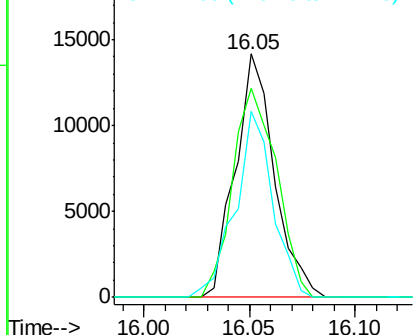
#66
4-Bromophenyl-phenylether
Concen: 1.007 ng
RT: 16.05 min Scan# 2238
Delta R.T. -0.01 min
Lab File: BM010803.D
Acq: 13 Jul 2017 09:29

Instrument :
BNA_M
ClientSampleId :
LOD-SOIL-01-QT3-2017

Tgt Ion:248 Resp: 18156
Ion Ratio Lower Upper
248 100
250 85.7 77.4 116.0
141 76.7 45.2 67.8#

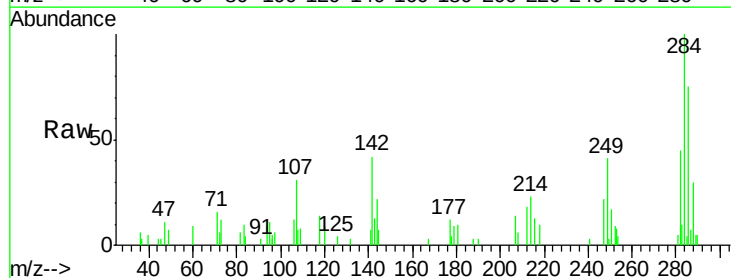


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

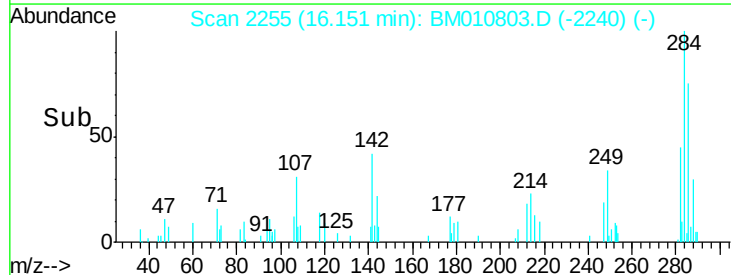
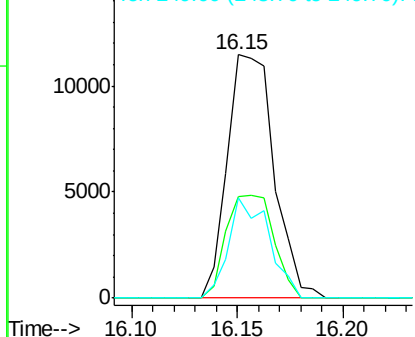


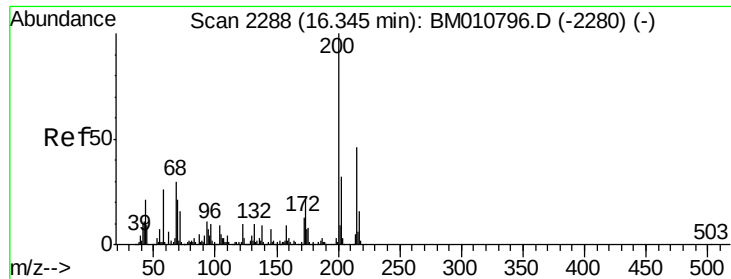
#67
Hexachlorobenzene
Concen: 0.852 ng
RT: 16.15 min Scan# 2255
Delta R.T. -0.01 min
Lab File: BM010803.D
Acq: 13 Jul 2017 09:29

Tgt Ion:284 Resp: 17577
Ion Ratio Lower Upper
284 100
142 41.7 20.4 30.6#
249 44.1 23.8 35.6#



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

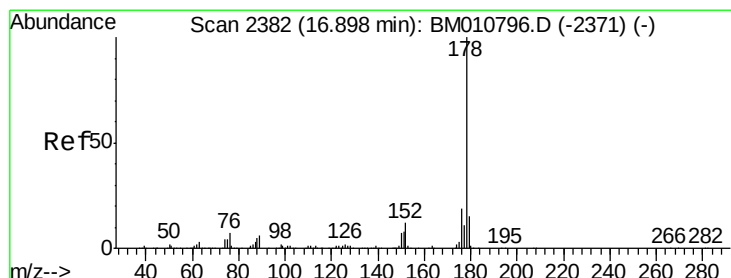
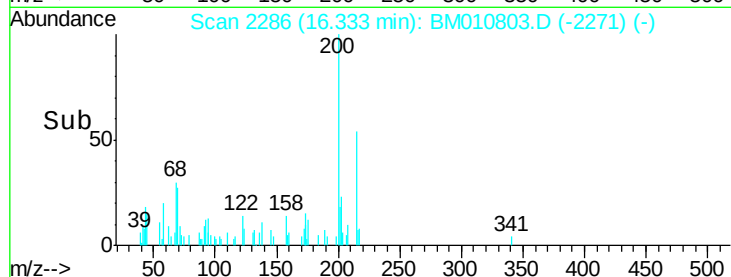
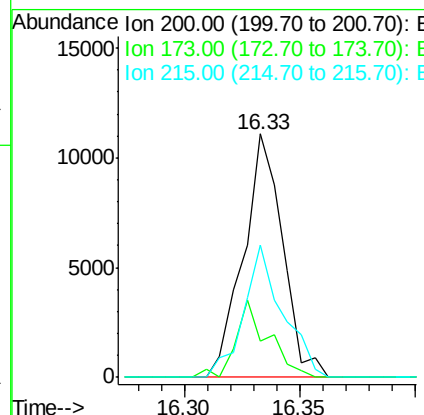
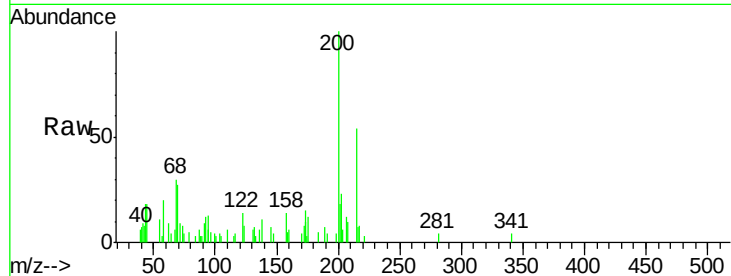




#68
Atrazine
Concen: 0.780 ng
RT: 16.33 min Scan# 2286
Delta R.T. -0.01 min
Lab File: BM010803.D
Acq: 13 Jul 2017 09:29

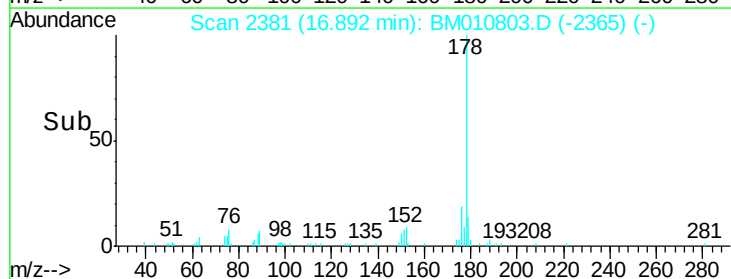
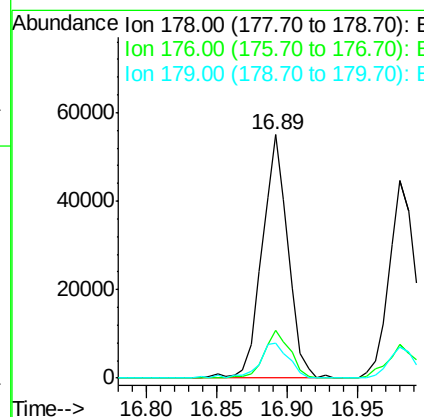
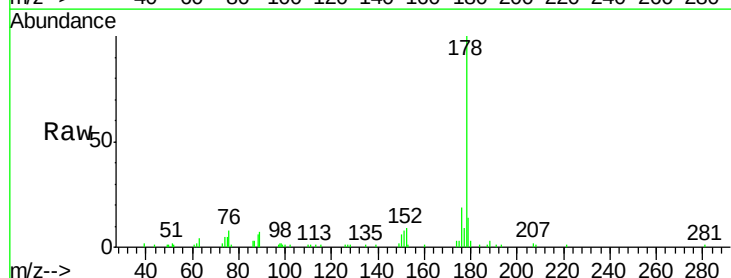
Instrument :
BNA_M
ClientSampleId :
LOD-SOIL-01-QT3-2017

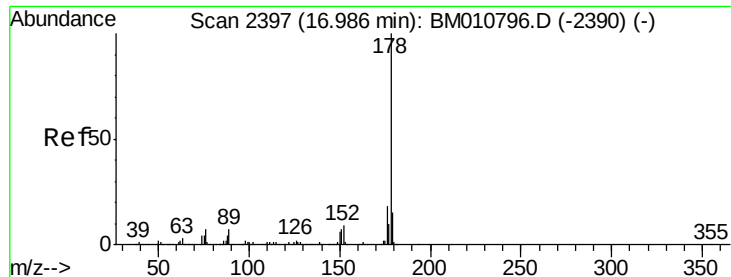
Tgt Ion	Ratio	Lower	Upper
200	100		
173	14.7	4.8	44.8
215	54.2	26.9	66.9



#70
Phenanthrene
Concen: 0.957 ng
RT: 16.89 min Scan# 2381
Delta R.T. -0.01 min
Lab File: BM010803.D
Acq: 13 Jul 2017 09:29

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.2	22.8
179	14.3	12.1	18.1

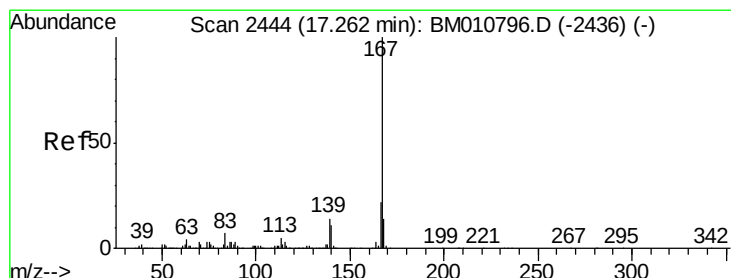
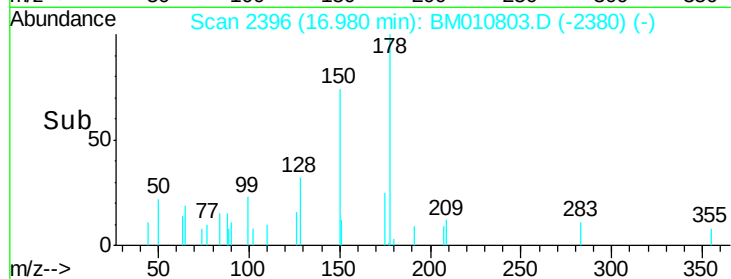
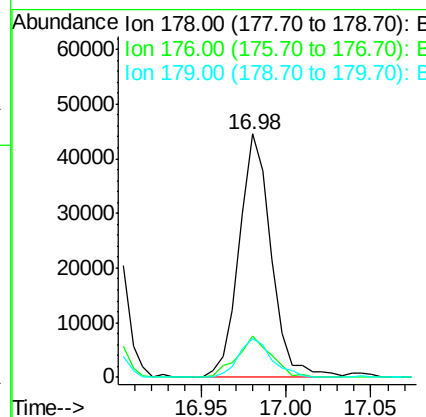
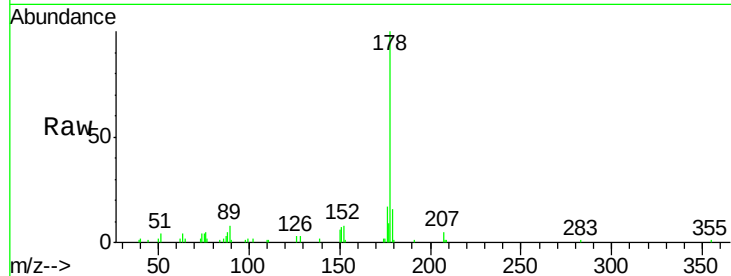




#71
 Anthracene
 Concen: 0.801 ng
 RT: 16.98 min Scan# 2396
 Delta R.T. -0.01 min
 Lab File: BM010803.D
 Acq: 13 Jul 2017 09:29

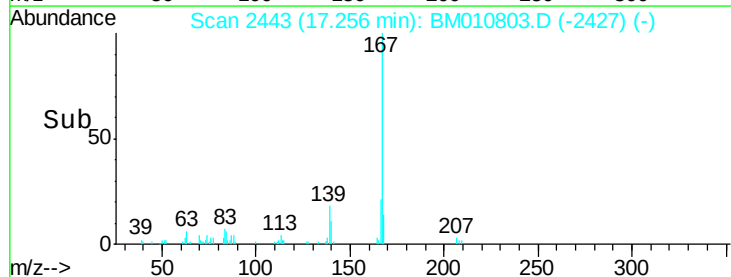
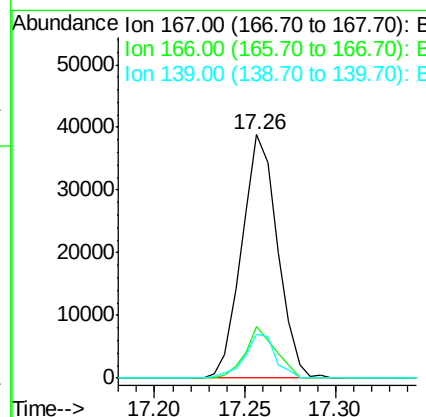
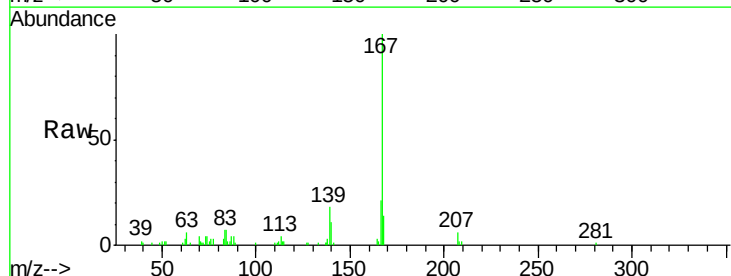
Instrument :
 BNA_M
 ClientSampleId :
 LOD-SOIL-01-QT3-2017

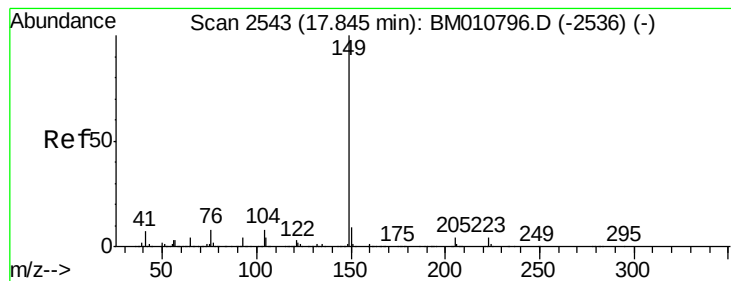
Tgt Ion	Ratio	Lower	Upper
178	100		
176	16.9	14.6	22.0
179	15.8	12.6	19.0



#72
 Carbazole
 Concen: 0.821 ng
 RT: 17.26 min Scan# 2443
 Delta R.T. -0.01 min
 Lab File: BM010803.D
 Acq: 13 Jul 2017 09:29

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.4	17.2	25.8
139	18.0	10.8	16.2





#73

Di-n-butylphthalate

Concen: 0.713 ng

RT: 17.84 min Scan# 2543

Delta R.T. -0.00 min

Lab File: BM010803.D

Acq: 13 Jul 2017 09:29

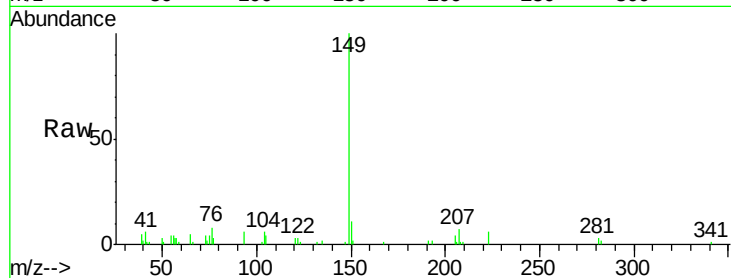
Instrument :

BNA_M

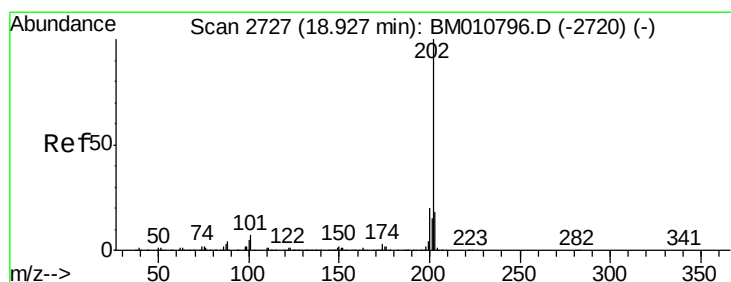
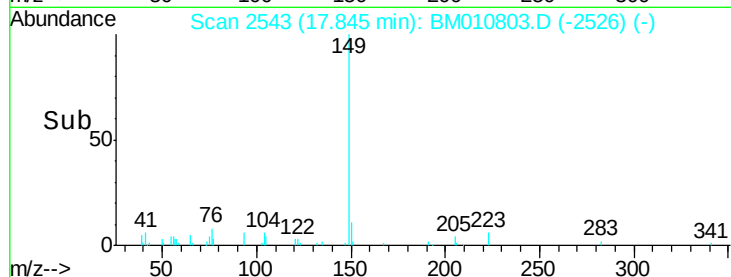
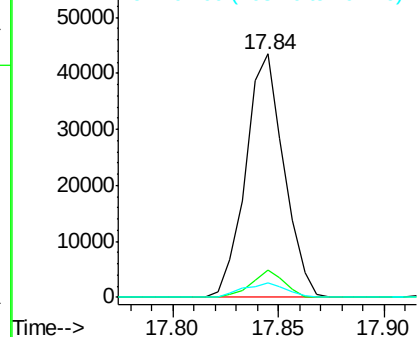
ClientSampleId :

LOD-SOIL-01-QT3-2017

Tgt Ion:	149	Resp:	54565
Ion	Ratio	Lower	Upper
149	100		
150	11.2	7.5	11.3
104	6.2	3.7	5.5#



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: 0.794 ng

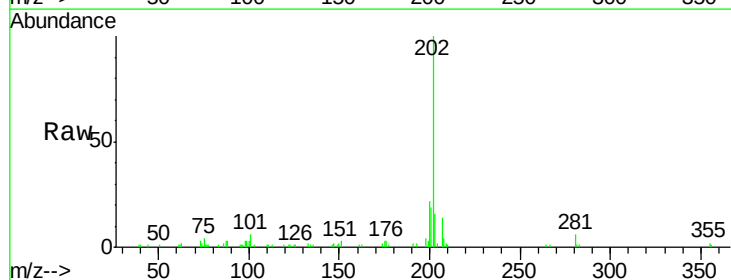
RT: 18.92 min Scan# 2726

Delta R.T. -0.01 min

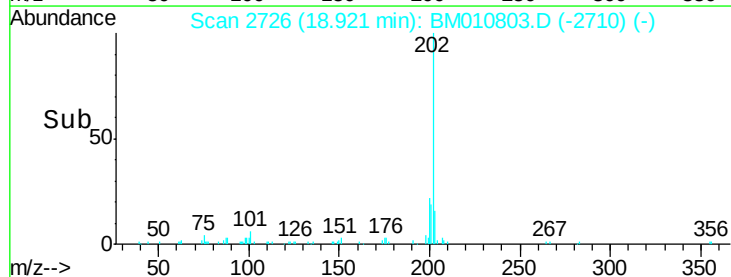
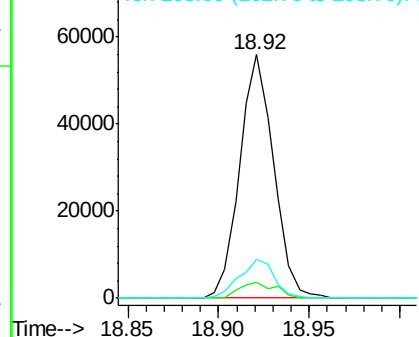
Lab File: BM010803.D

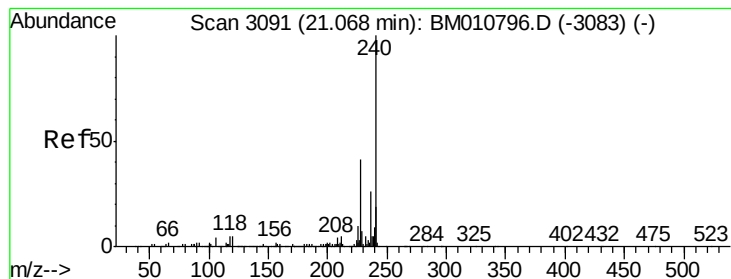
Acq: 13 Jul 2017 09:29

Tgt Ion:	202	Resp:	72847
Ion	Ratio	Lower	Upper
202	100		
101	6.4	0.0	28.7
203	16.1	0.0	37.2



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: 20.000 ng

RT: 21.06 min Scan# 3090

Delta R.T. -0.01 min

Lab File: BM010803.D

Acq: 13 Jul 2017 09:29

Instrument :

BNA_M

ClientSampleId :

LOD-SOIL-01-QT3-2017

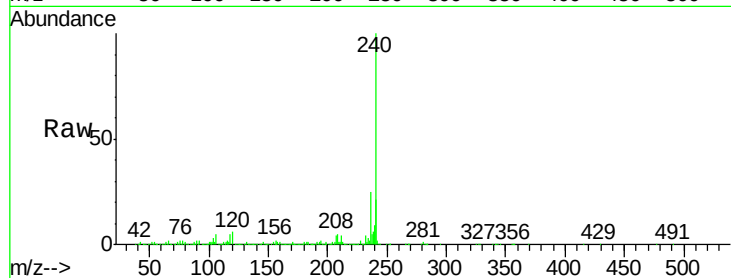
Tgt Ion:240 Resp: 1436108

Ion Ratio Lower Upper

240 100

120 6.0 8.2 12.2#

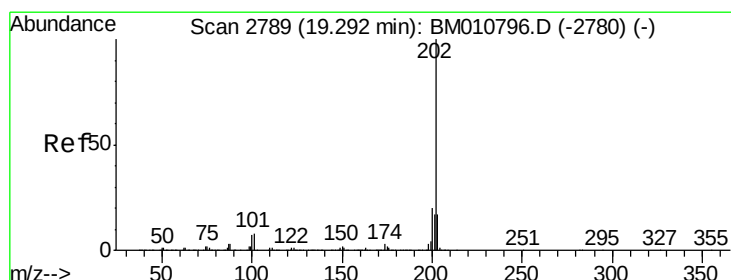
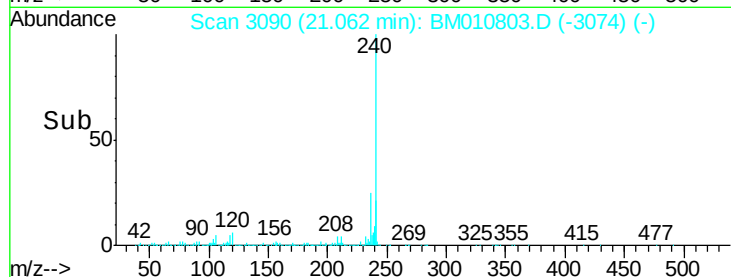
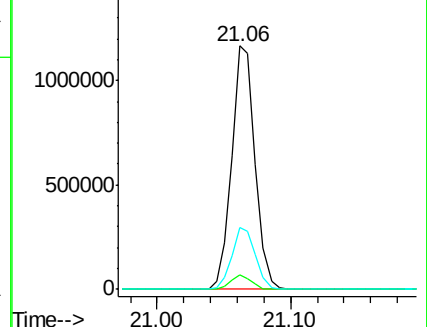
236 25.3 20.0 30.0



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



#77

Pyrene

Concen: 0.868 ng

RT: 19.29 min Scan# 2788

Delta R.T. -0.01 min

Lab File: BM010803.D

Acq: 13 Jul 2017 09:29

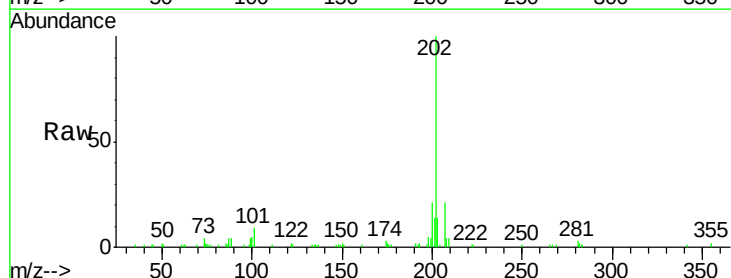
Tgt Ion:202 Resp: 72233

Ion Ratio Lower Upper

202 100

200 20.6 16.9 25.3

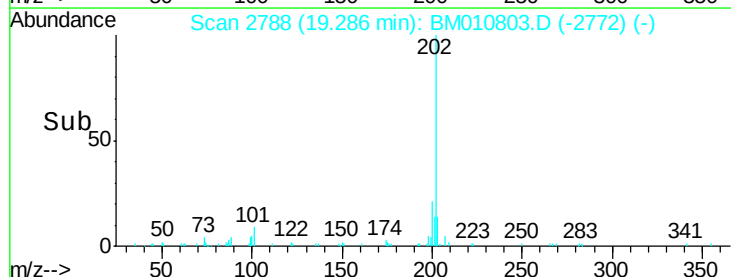
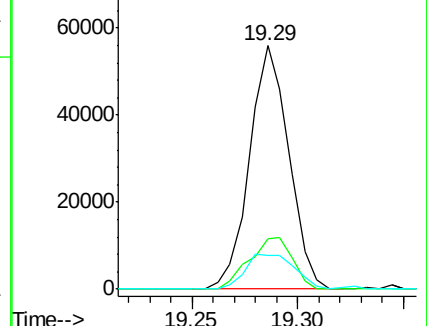
203 13.8 14.1 21.1#

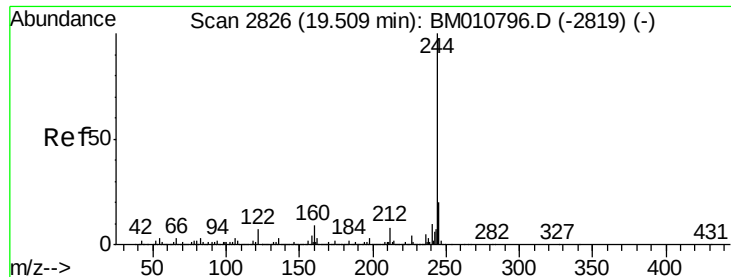


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 92.487 ng

RT: 19.51 min Scan# 2826

Delta R.T. -0.00 min

Lab File: BM010803.D

Acq: 13 Jul 2017 09:29

Instrument :

BNA_M

ClientSampleId :

LOD-SOIL-01-QT3-2017

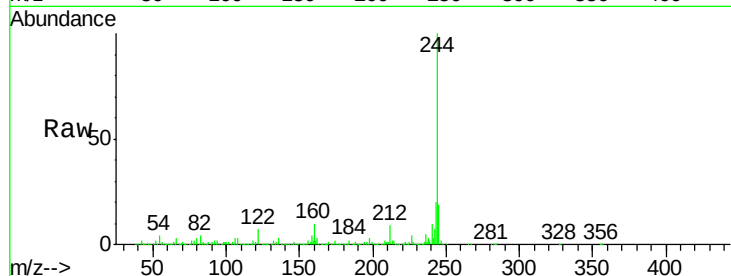
Tgt Ion:244 Resp: 6867351

Ion Ratio Lower Upper

244 100

212 8.6 4.9 7.3#

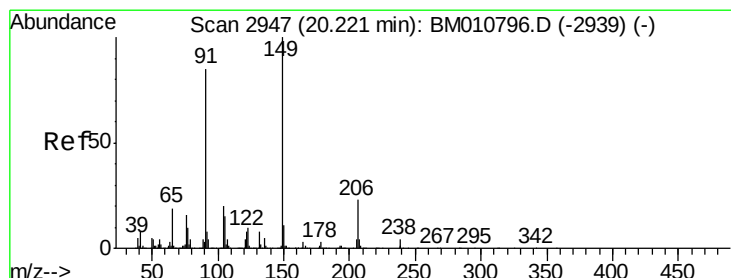
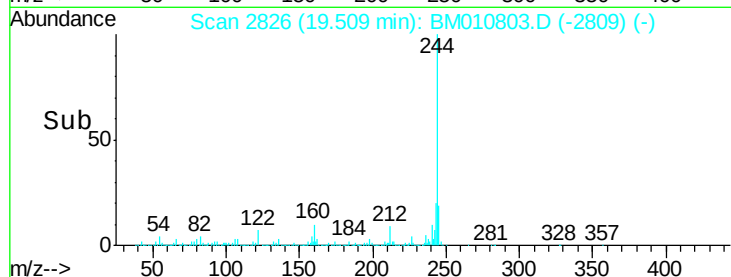
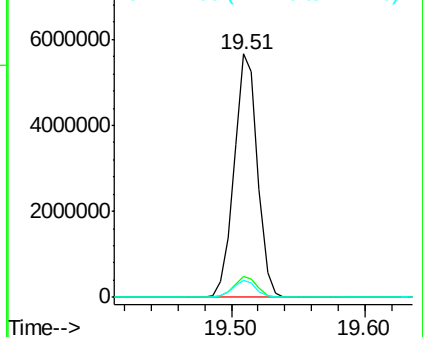
122 7.2 6.2 9.4



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#79

Butylbenzylphthalate

Concen: 0.707 ng

RT: 20.22 min Scan# 2947

Delta R.T. -0.00 min

Lab File: BM010803.D

Acq: 13 Jul 2017 09:29

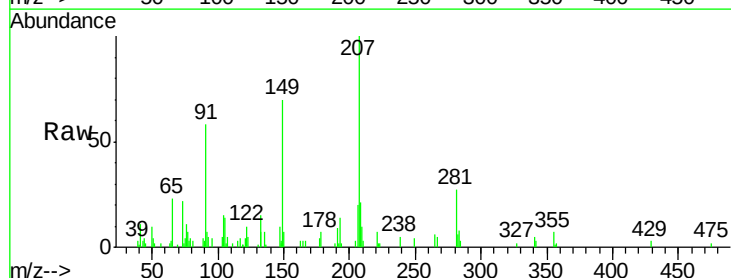
Tgt Ion:149 Resp: 20615

Ion Ratio Lower Upper

149 100

91 82.2 50.1 75.1#

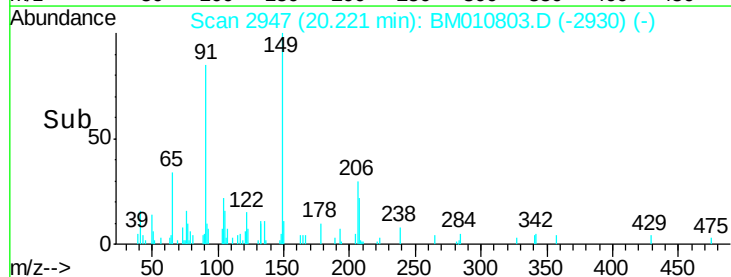
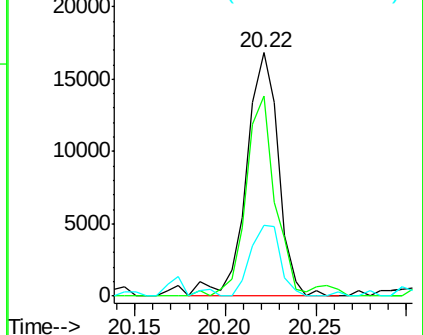
206 29.2 16.2 24.2#

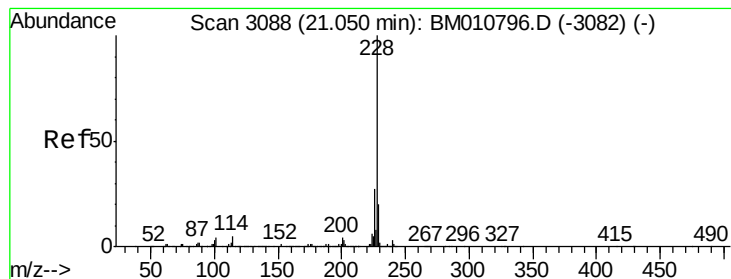


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BM0

Ion 206.00 (205.70 to 206.70): E





#80

Benzo(a)anthracene

Concen: 0.880 ng

RT: 21.05 min Scan# 3088

Delta R.T. -0.00 min

Lab File: BM010803.D

Acq: 13 Jul 2017 09:29

Instrument :

BNA_M

ClientSampleId :

LOD-SOIL-01-QT3-2017

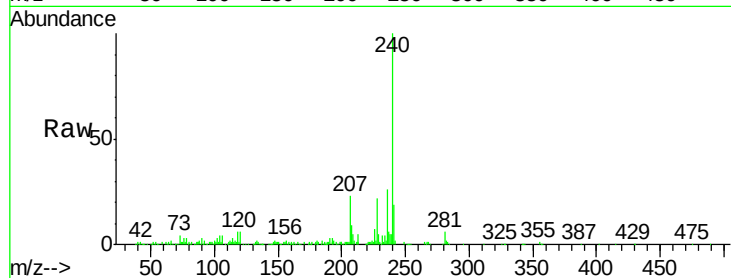
Tgt Ion:228 Resp: 73242

Ion Ratio Lower Upper

228 100

226 30.0 21.7 32.5

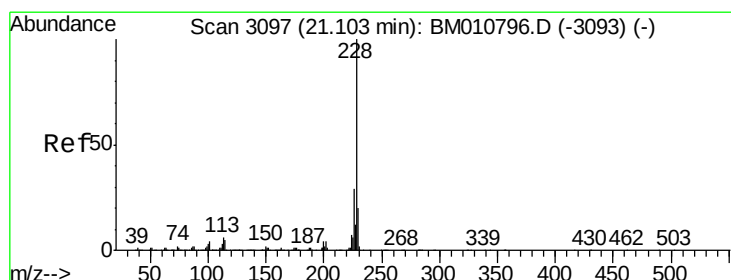
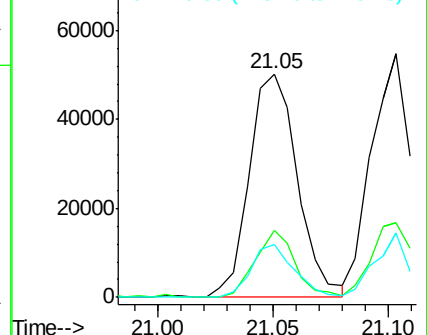
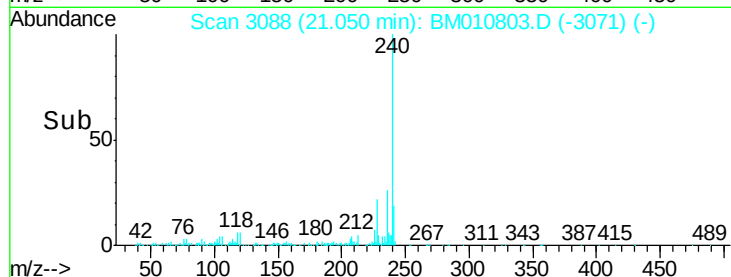
229 23.5 16.0 24.0



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



#82

Chrysene

Concen: 0.855 ng

RT: 21.10 min Scan# 3097

Delta R.T. -0.00 min

Lab File: BM010803.D

Acq: 13 Jul 2017 09:29

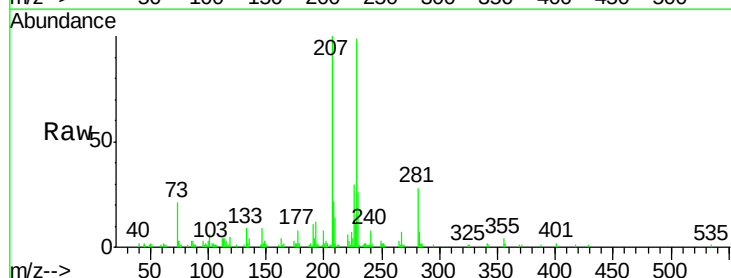
Tgt Ion:228 Resp: 67751

Ion Ratio Lower Upper

228 100

226 30.5 24.1 36.1

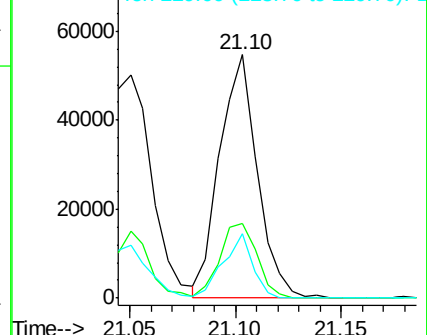
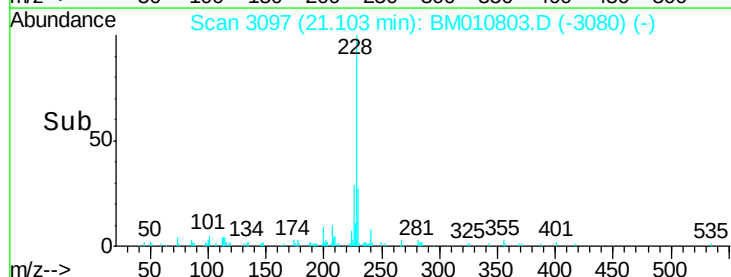
229 26.5 15.5 23.3#

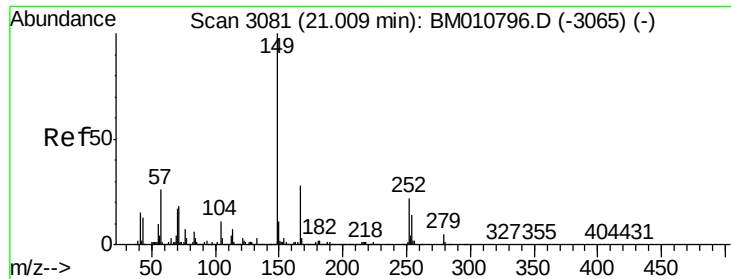


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 0.745 ng

RT: 21.01 min Scan# 3081

Delta R.T. -0.00 min

Lab File: BM010803.D

Acq: 13 Jul 2017 09:29

Instrument :

BNA_M

ClientSampleId :

LOD-SOIL-01-QT3-2017

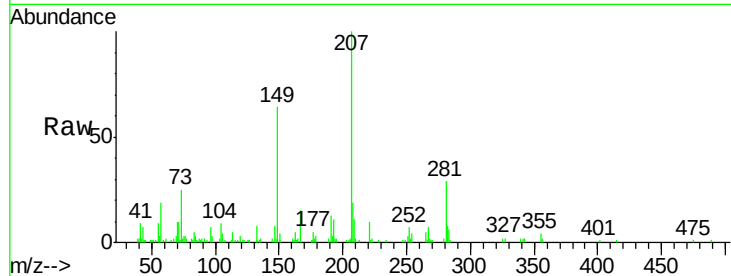
Tgt Ion:149 Resp: 31602

Ion Ratio Lower Upper

149 100

167 24.2 22.4 33.6

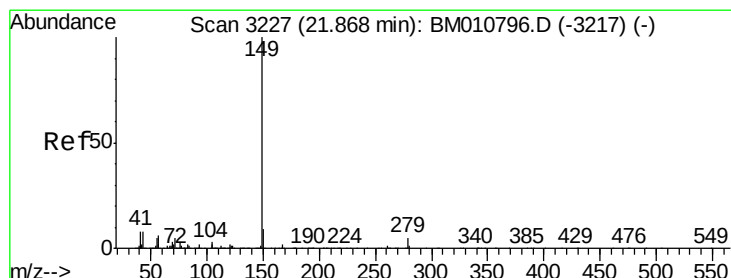
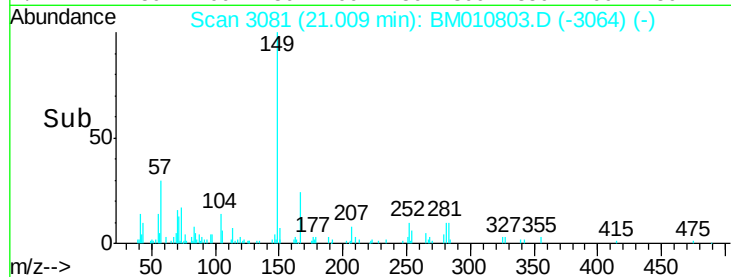
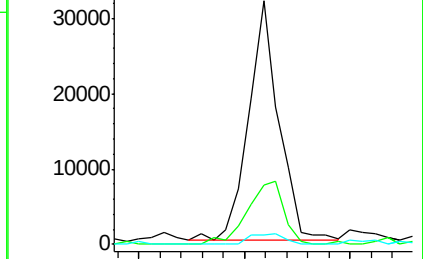
279 3.8 3.4 5.0



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#84

Di-n-octyl phthalate

Concen: 0.694 ng

RT: 21.86 min Scan# 3226

Delta R.T. -0.01 min

Lab File: BM010803.D

Acq: 13 Jul 2017 09:29

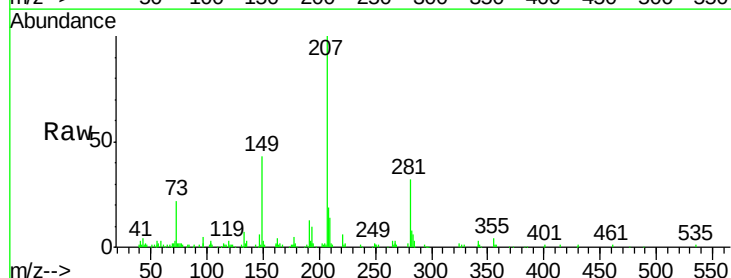
Tgt Ion:149 Resp: 48279

Ion Ratio Lower Upper

149 100

167 3.1 1.2 1.8#

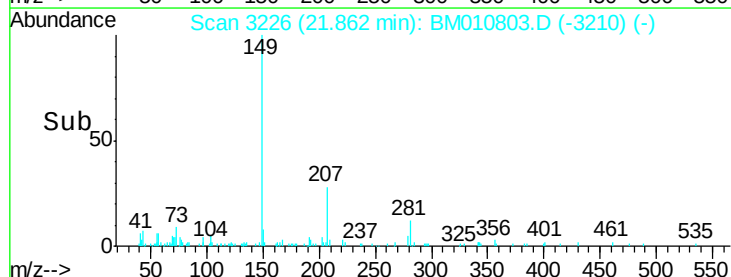
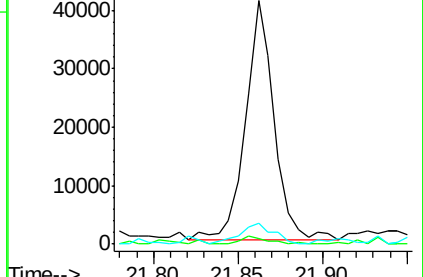
43 10.3 7.3 10.9

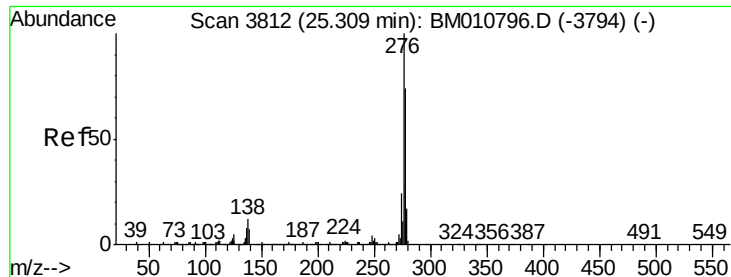


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BM0





#85

Indeno(1,2,3-cd)pyrene

Concen: 0.754 ng

RT: 25.30 min Scan# 3810

Delta R.T. -0.01 min

Lab File: BM010803.D

Acq: 13 Jul 2017 09:29

Instrument :

BNA_M

ClientSampleId :

LOD-SOIL-01-QT3-2017

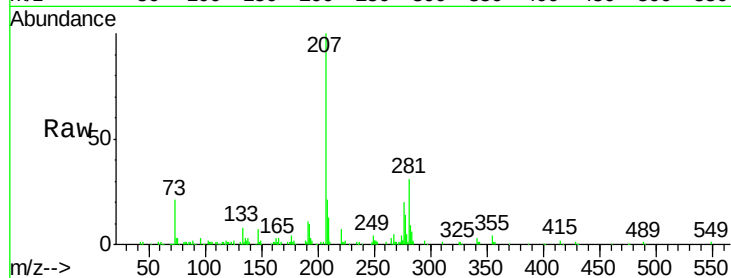
Tgt Ion:276 Resp: 68541

Ion Ratio Lower Upper

276 100

138 9.3 0.0 0.0#

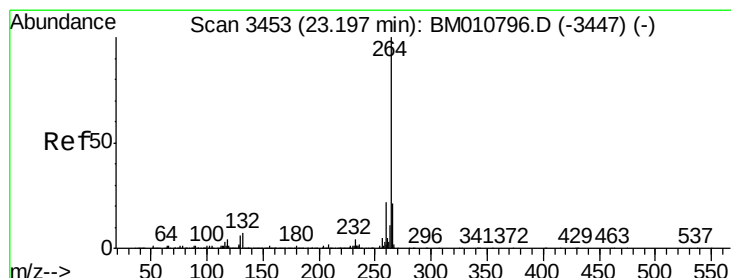
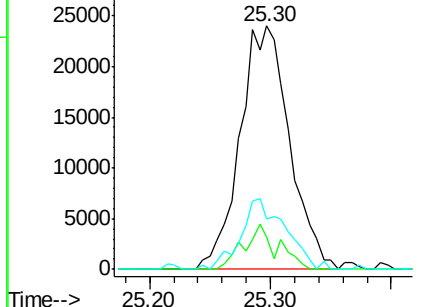
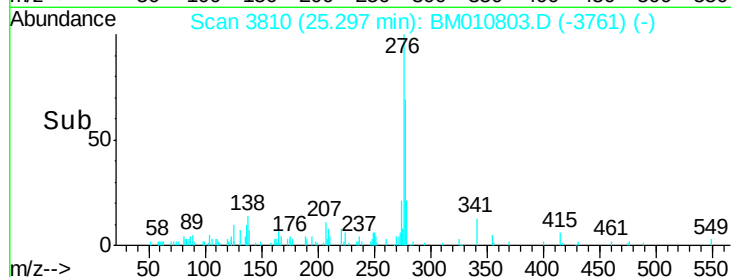
277 26.2 0.0 0.0#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.20 min Scan# 3453

Delta R.T. -0.00 min

Lab File: BM010803.D

Acq: 13 Jul 2017 09:29

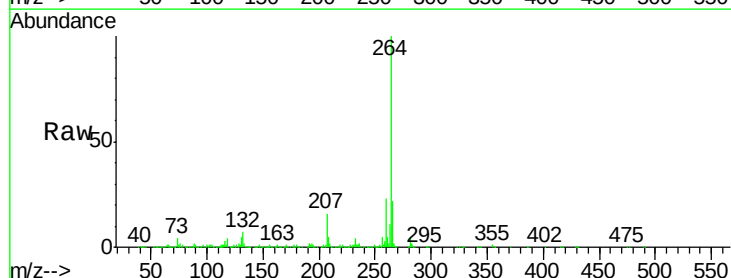
Tgt Ion:264 Resp: 1194610

Ion Ratio Lower Upper

264 100

260 22.9 18.6 27.8

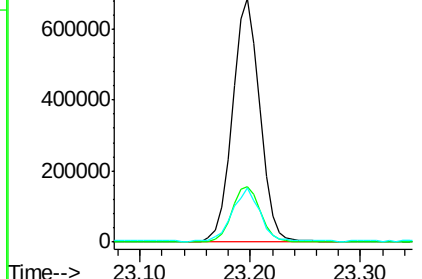
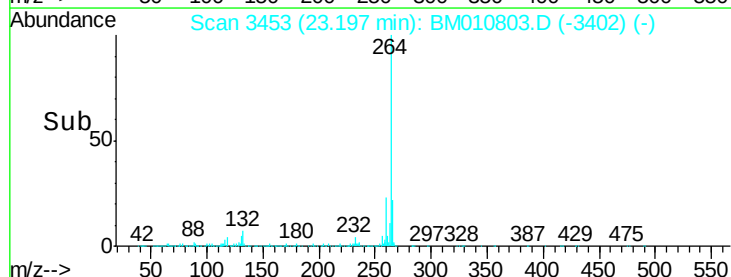
265 22.2 17.3 25.9

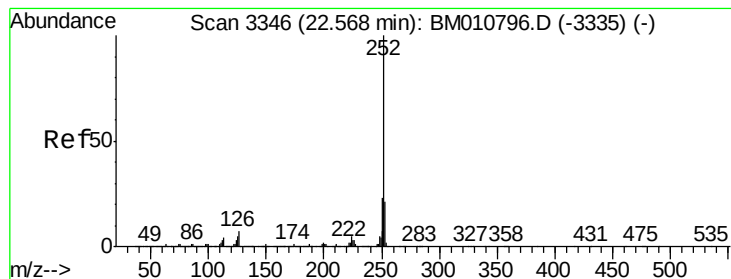


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 0.816 ng

RT: 22.57 min Scan# 3346

Delta R.T. -0.00 min

Lab File: BM010803.D

Acq: 13 Jul 2017 09:29

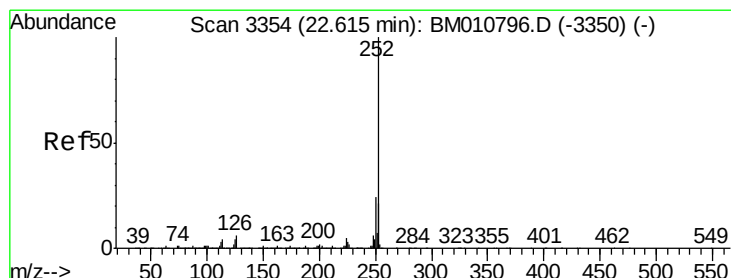
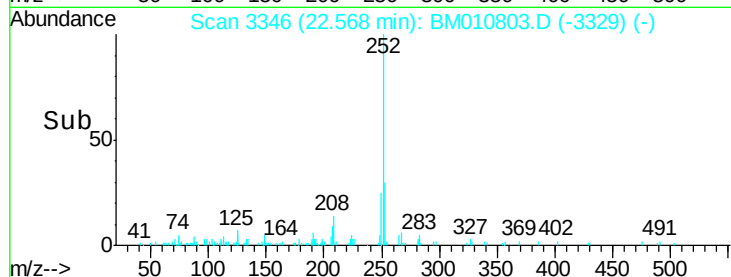
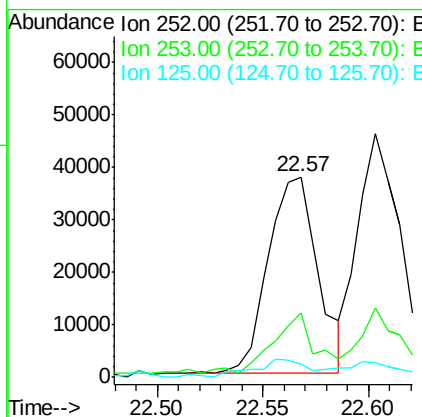
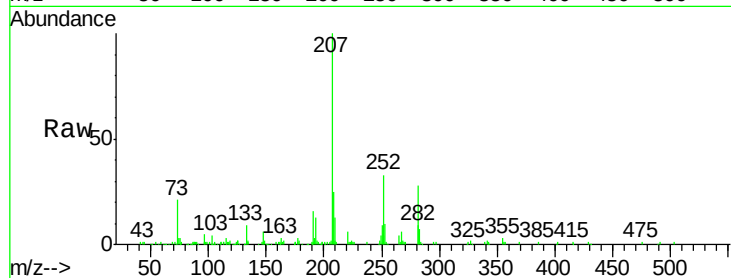
Instrument :

BNA_M

ClientSampleId :

LOD-SOIL-01-QT3-2017

Tgt Ion:	252	Resp:	61889
Ion Ratio	Lower	Upper	
252	100		
253	32.0	18.0	27.0#
125	6.5	9.9	14.9#



#88

Benzo(k)fluoranthene

Concen: 0.913 ng

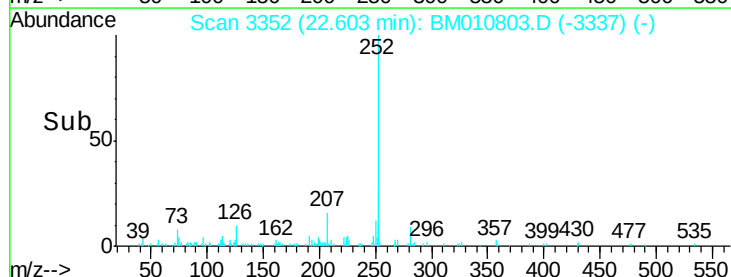
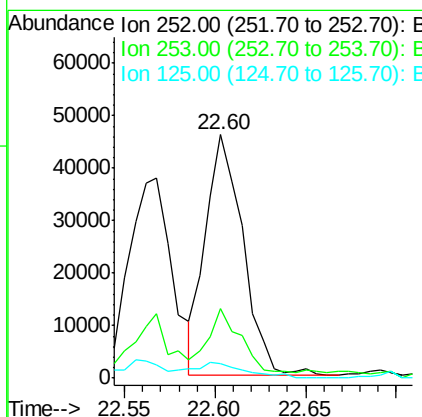
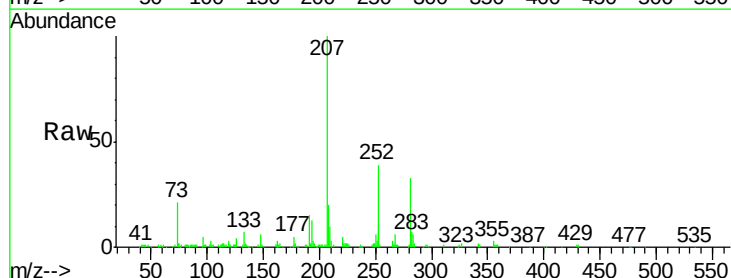
RT: 22.60 min Scan# 3352

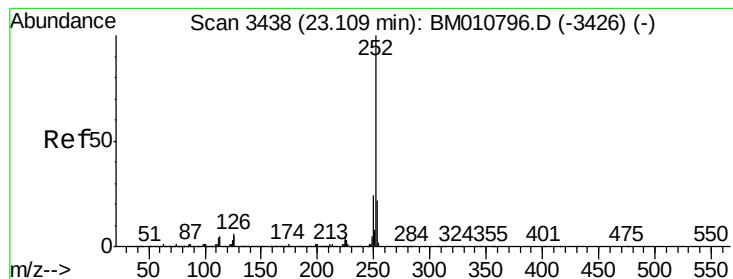
Delta R.T. -0.01 min

Lab File: BM010803.D

Acq: 13 Jul 2017 09:29

Tgt Ion:	252	Resp:	66141
Ion Ratio	Lower	Upper	
252	100		
253	28.3	17.2	25.8#
125	6.1	8.1	12.1#





#89

Benzo(a)pyrene

Concen: 0.844 ng

RT: 23.10 min Scan# 3437

Delta R.T. -0.01 min

Lab File: BM010803.D

Acq: 13 Jul 2017 09:29

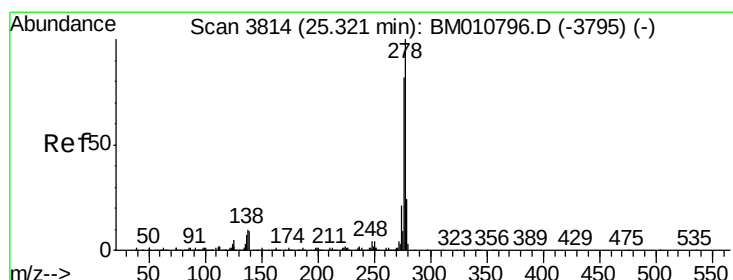
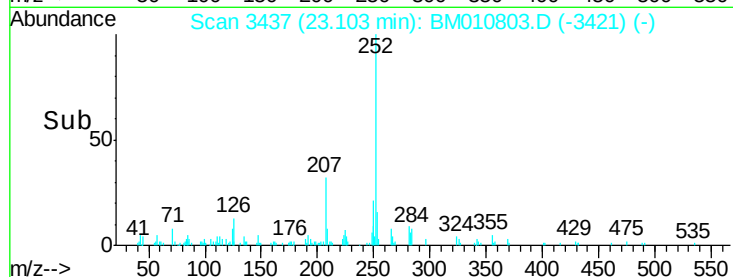
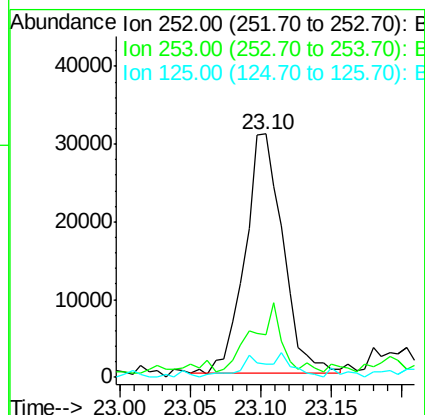
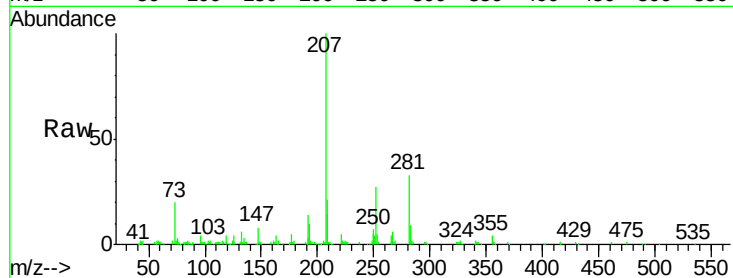
Instrument :

BNA_M

ClientSampleId :

LOD-SOIL-01-QT3-2017

Tgt Ion:	252	Resp:	58295
Ion Ratio		Lower	Upper
252	100		
253	17.8	17.6	26.4
125	5.4	7.4	11.2#



#90

Dibenzo(a,h)anthracene

Concen: 0.841 ng

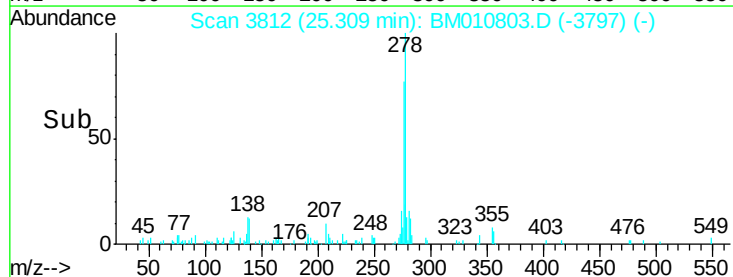
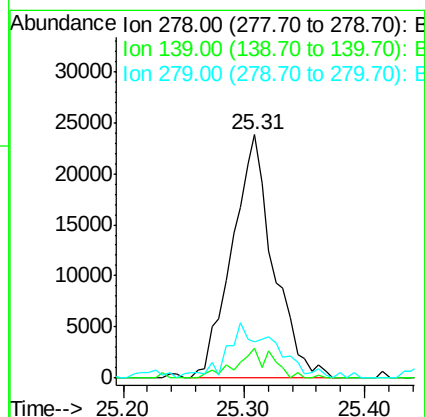
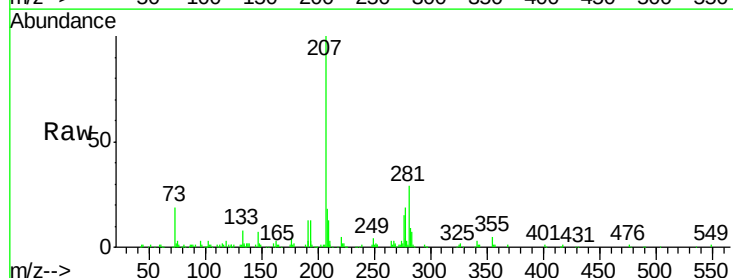
RT: 25.31 min Scan# 3812

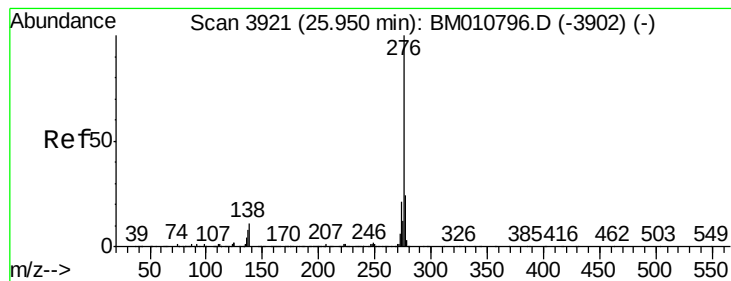
Delta R.T. -0.01 min

Lab File: BM010803.D

Acq: 13 Jul 2017 09:29

Tgt Ion:	278	Resp:	56386
Ion Ratio		Lower	Upper
278	100		
139	12.5	13.4	20.0#
279	15.0	19.0	28.4#





#91

Benzo(g,h,i)perylene

Concen: 0.851 ng

RT: 25.94 min Scan# 3919

Delta R.T. -0.01 min

Lab File: BM010803.D

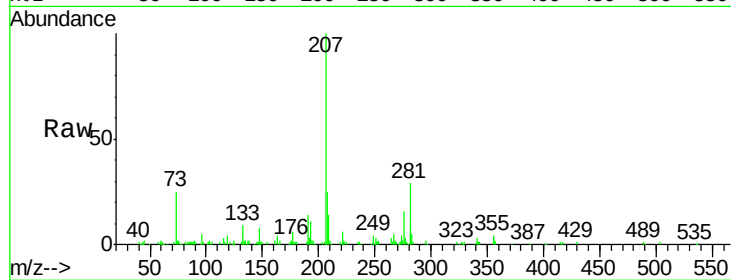
Acq: 13 Jul 2017 09:29

Instrument :

BNA_M

ClientSampleId :

LOD-SOIL-01-QT3-2017



Tgt Ion:	276	Resp:	56059
Ion	Ratio	Lower	Upper
276	100		
277	20.4	18.5	27.7
138	12.0	19.0	28.6

