

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122116\
 Data File : BG025372.D
 Acq On : 22 Dec 2016 00:39
 Operator : UM/SJ
 Sample : H6103-01
 Misc : LOD 2 PPM
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL-01-QT1-2017

Manual Integrations
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Quant Time: Dec 22 05:05:22 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG122116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 21 18:42:01 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.21	152	48836	20.00	ng	0.00
21) Naphthalene-d8	11.04	136	197552	20.00	ng	0.00
38) Acenaphthene-d10	14.83	164	154623	20.00	ng	0.00
63) Phenanthrene-d10	17.58	188	355836	20.00	ng	0.00
75) Chrysene-d12	21.87	240	560310	20.00	ng	0.00
86) Perylene-d12	25.29	264	588253	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.75	112	380702	141.70	ng	0.00
7) Phenol-d6	7.37	99	502021	132.67	ng	0.00
23) Nitrobenzene-d5	9.39	82	374024	83.64	ng	0.00
41) 2,4,6-Tribromophenol	16.33	330	321643	129.21	ng	0.00
44) 2-Fluorobiphenyl	13.46	172	820763	85.94	ng	0.00
78) Terphenyl-d14	20.16	244	1687689	79.86	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.58	88	1868	1.63	ng	# 35
3) Pyridine	4.01	79	4502	1.35	ng	89
4) n-Nitrosodimethylamine	3.94	42	4236	2.15	ng	# 78
19) n-Nitroso-di-n-propylamine	9.02	70	4929	1.54	ng	# 73
25) Isophorone	9.96	82	12133	1.50	ng	# 89
27) 2,4-Dimethylphenol	10.20	122	5026m	1.63	ng	
28) bis(2-Chloroethoxy)methane	10.44	93	5360	1.27	ng	99
29) 2,4-Dichlorophenol	10.75	162	5164m	1.56	ng	
33) 4-Chloroaniline	11.24	127	5127m	1.24	ng	
42) 2,4,6-Trichlorophenol	13.30	196	4646m	1.45	ng	
43) 2,4,5-Trichlorophenol	13.40	196	4991m	1.48	ng	
52) 3-Nitroaniline	14.78	138	2572	1.09	ng	# 90
56) 2,4-Dinitrotoluene	15.23	165	4863	1.36	ng	# 79
61) 4-Nitroaniline	15.96	138	2079m	0.87	ng	
76) Benzidine	19.82	184	7217	0.52	ng	# 91

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

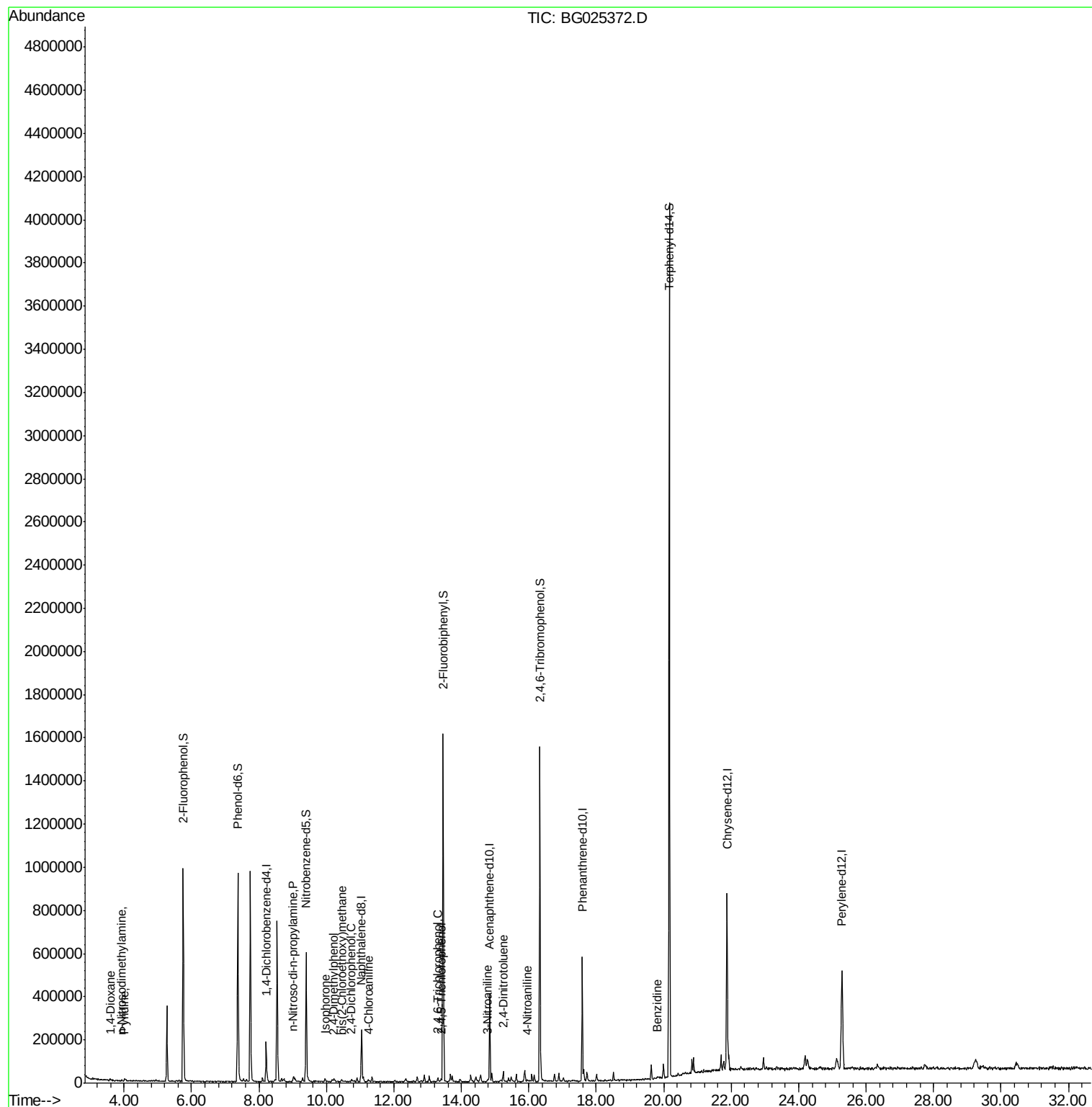
Data Path : Z:\HPCHEM1\BNA G\DATA\BG122116\
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Misc : LOD 2 PPM
ALS Vial : 10 Sample Multiplier: 1

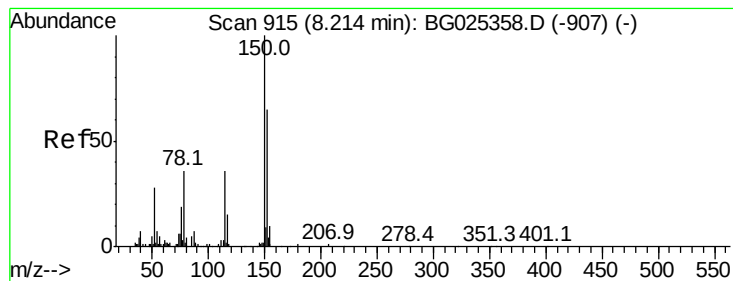
Instrument :
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LOD-SOIL-01-QT1-2017

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Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG122116.M
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.21 min Scan# 915

Delta R.T. -0.00 min

Lab File: BG025372.D

Acq: 22 Dec 2016 00:39

Instrument :

BNA_G

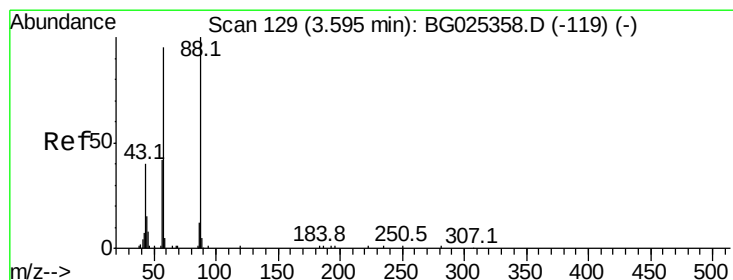
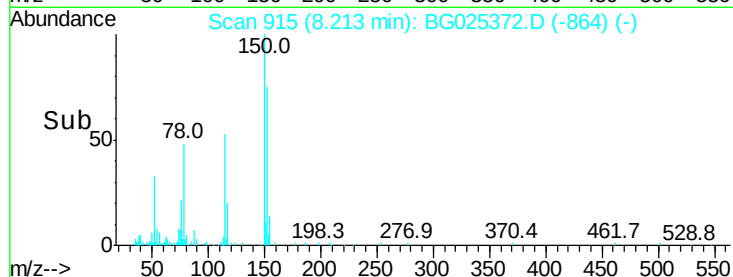
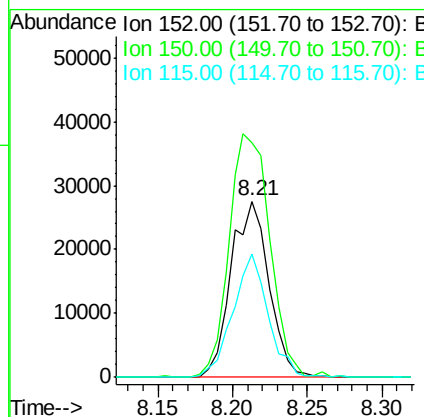
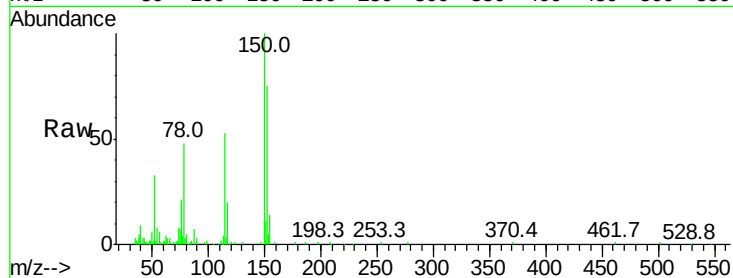
ClientSampleId :

LOD-SOIL-01-QT1-2017

Tot Ion	Ratio	Lower	Upper
152	100		
150	133.0	114.0	171.0
115	70.1	48.1	72.1

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#2

1,4-Dioxane

Concen: 1.63 ng

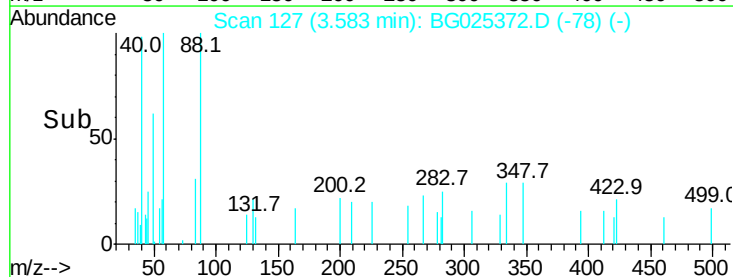
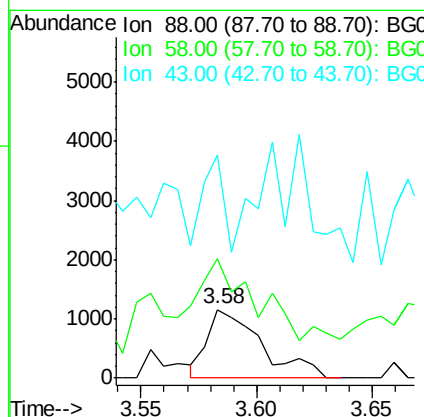
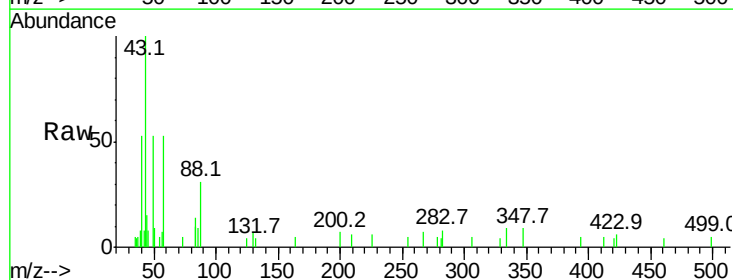
RT: 3.58 min Scan# 127

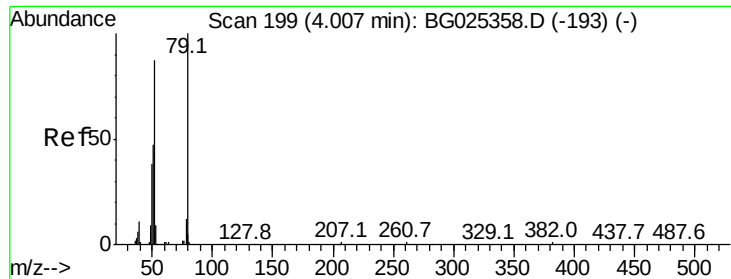
Delta R.T. -0.01 min

Lab File: BG025372.D

Acq: 22 Dec 2016 00:39

Tgt Ion	Ratio	Lower	Upper
88	100		
58	184.4	79.4	119.2#
43	53.5	33.8	50.6#





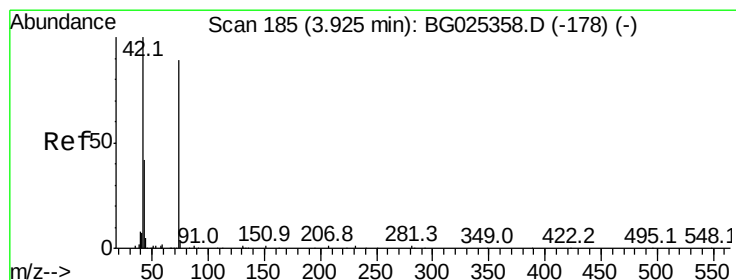
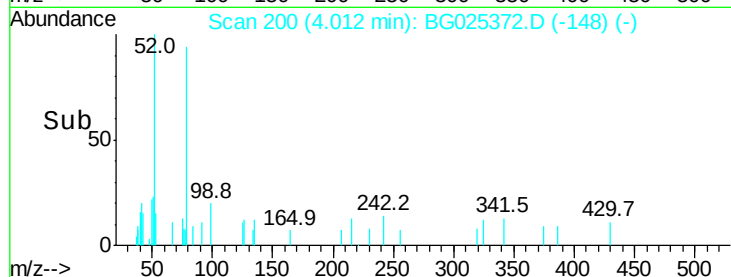
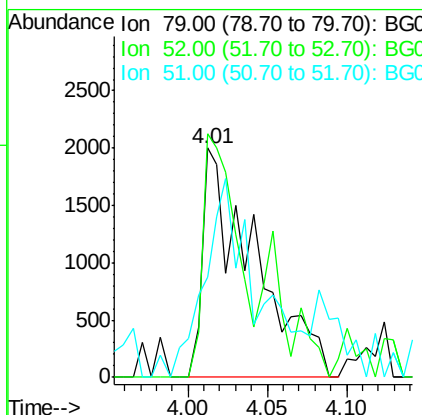
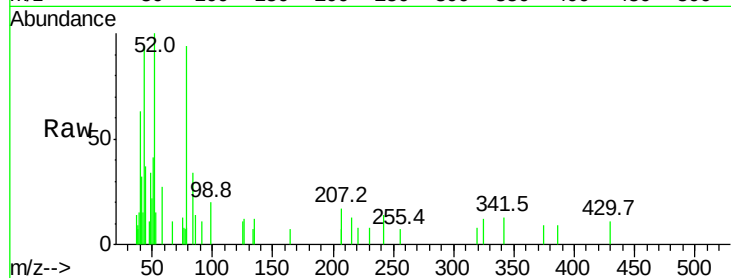
#3
 Pvridine
 Concen: 1.35 ng
 RT: 4.01 min Scan# 200
 Delta R.T. 0.01 min
 Lab File: BG025372.D
 Acq: 22 Dec 2016 00:39

Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL-01-QT1-2017

Tot Ion	Ratio	Lower	Upper
79	100		
52	106.3	77.8	116.6
51	43.7	43.2	64.8

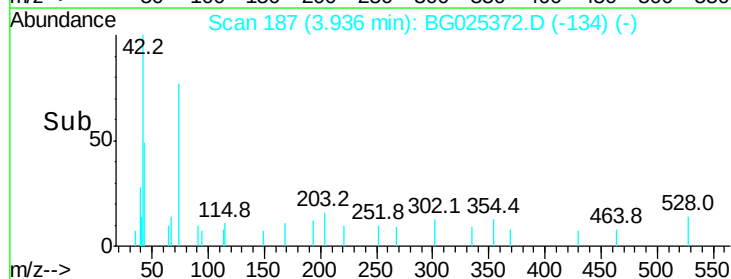
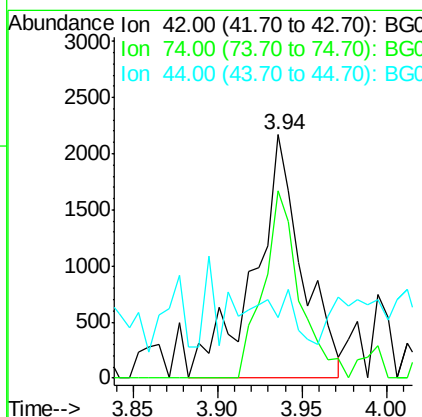
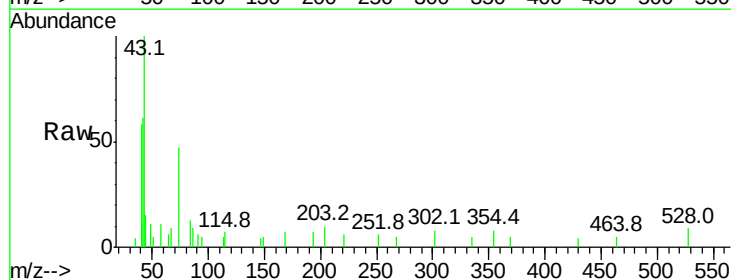
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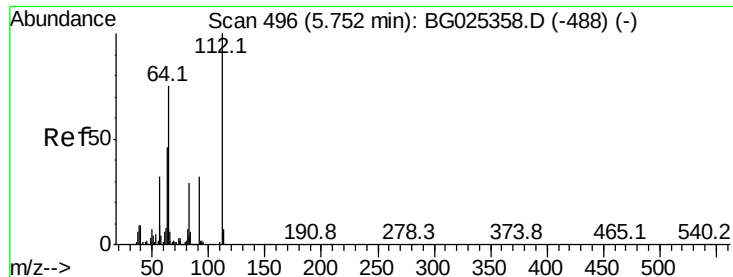
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#4
 n-Nitrosodimethylamine
 Concen: 2.15 ng
 RT: 3.94 min Scan# 187
 Delta R.T. 0.01 min
 Lab File: BG025372.D
 Acq: 22 Dec 2016 00:39

Tgt Ion	Ratio	Lower	Upper
42	100		
74	77.0	76.7	115.1
44	25.1	6.1	9.1#





#5

2-Fluorophenol

Concen: 141.70 ng

RT: 5.75 min Scan# 496

Delta R.T. -0.00 min

Lab File: BG025372.D

Acq: 22 Dec 2016 00:39

Instrument :

BNA_G

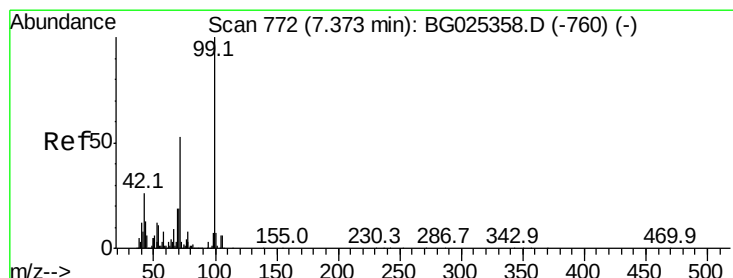
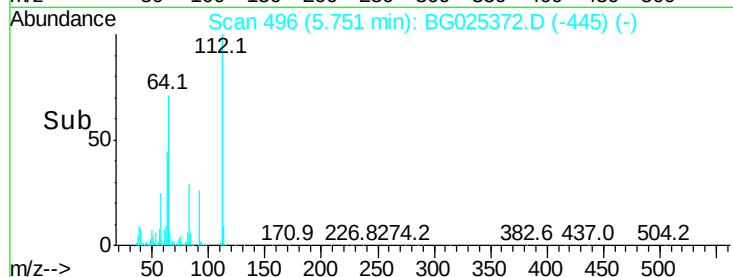
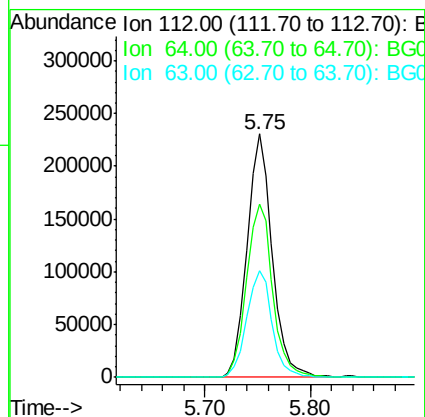
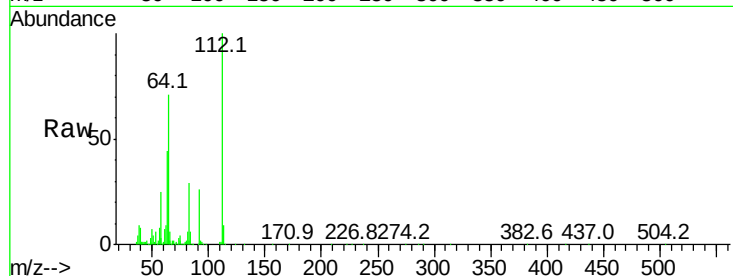
ClientSampleId :

LOD-SOIL-01-QT1-2017

Tot Ion	Ratio	Resp	Lower	Upper
112	100	380702		
64	71.1	61.8	92.6	
63	44.1	37.2	55.8	

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#7

Phenol-d6

Concen: 132.67 ng

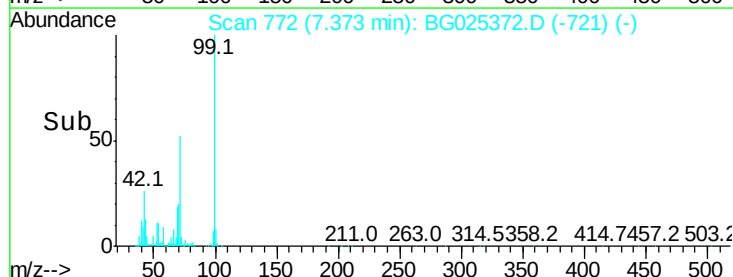
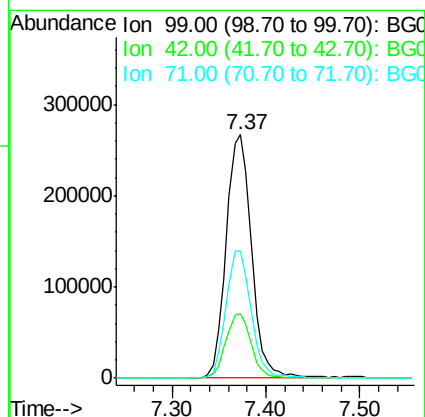
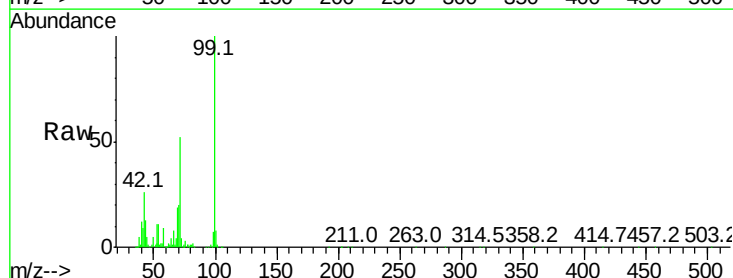
RT: 7.37 min Scan# 772

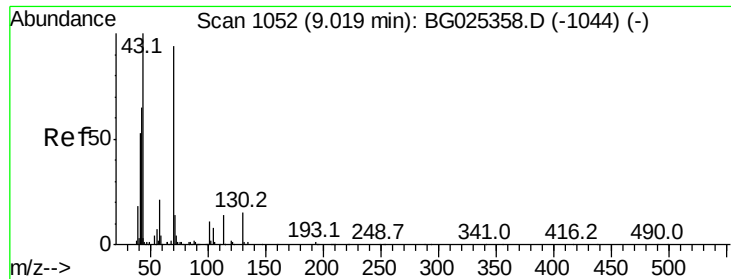
Delta R.T. -0.00 min

Lab File: BG025372.D

Acq: 22 Dec 2016 00:39

Tgt Ion	Ratio	Resp	Lower	Upper
99	100	502021		
42	26.5	20.5	30.7	
71	52.4	37.6	56.4	





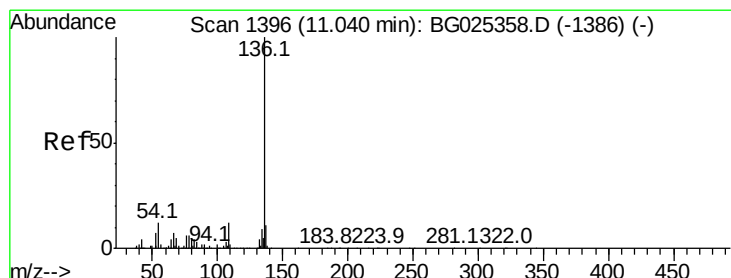
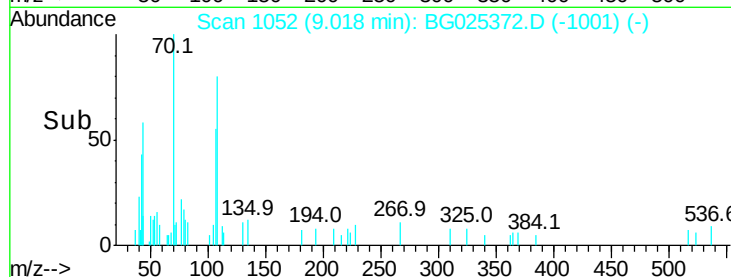
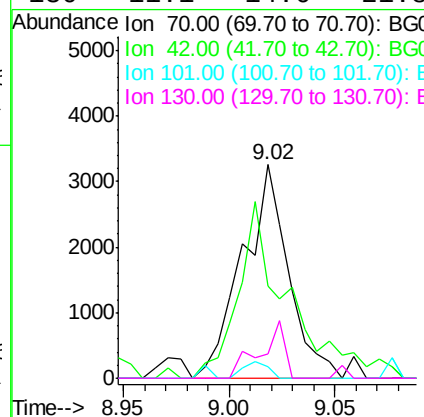
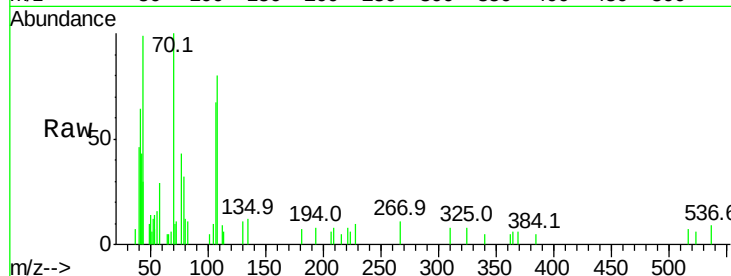
#19
n-Nitroso-di-n-propylamine
Concen: 1.54 ng
RT: 9.02 min Scan# 1052
Delta R.T. -0.00 min
Lab File: BG025372.D
Acq: 22 Dec 2016 00:39

Instrument :
BNA_G
ClientSampleId :
LOD-SOIL-01-QT1-2017

Tot Ion	Ratio	Lower	Upper
70	100		
42	43.3	56.1	84.1#
101	5.2	7.5	11.3#
130	11.1	14.6	21.8#

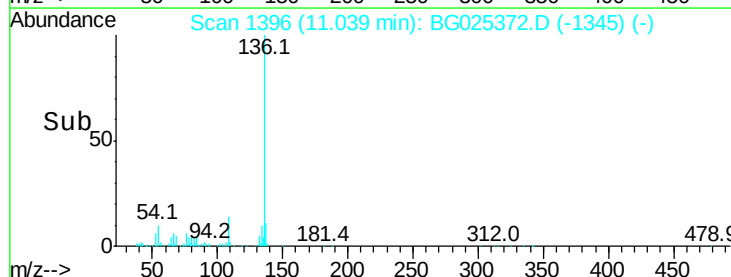
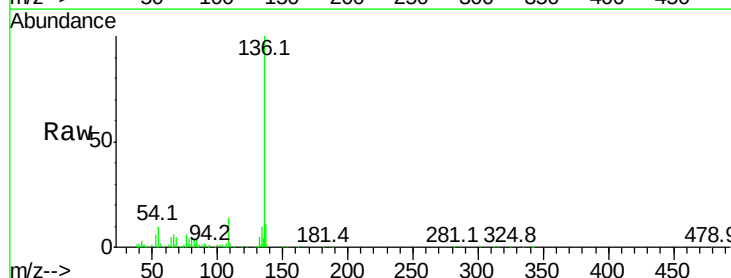
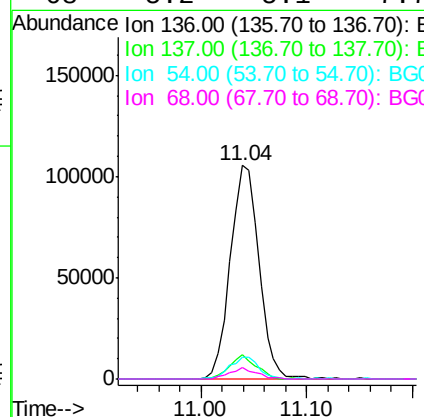
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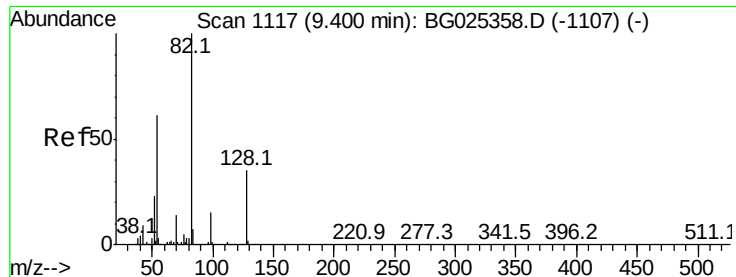
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#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.04 min Scan# 1396
Delta R.T. -0.00 min
Lab File: BG025372.D
Acq: 22 Dec 2016 00:39

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	10.2	9.3	13.9
68	5.2	5.1	7.7





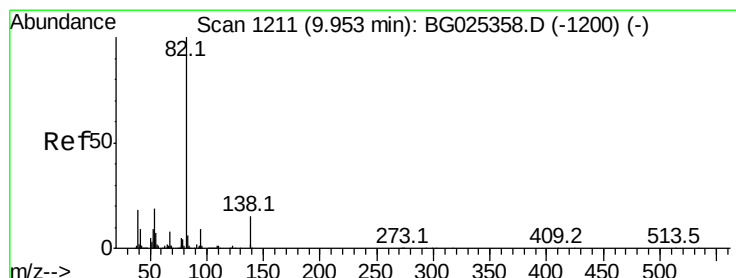
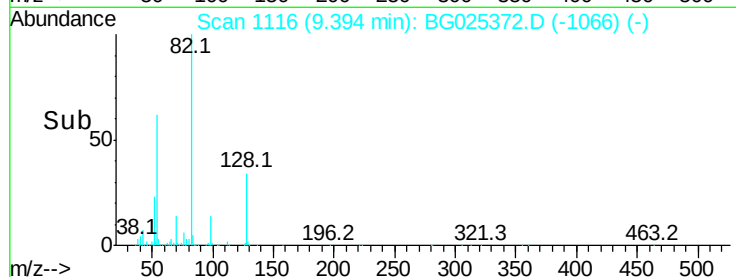
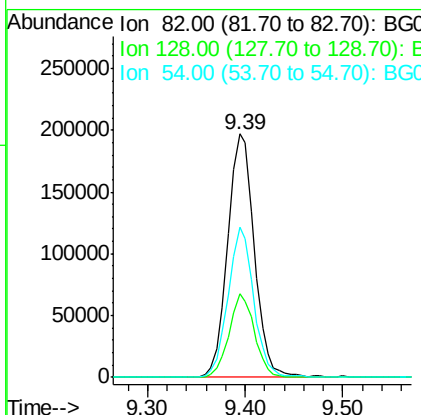
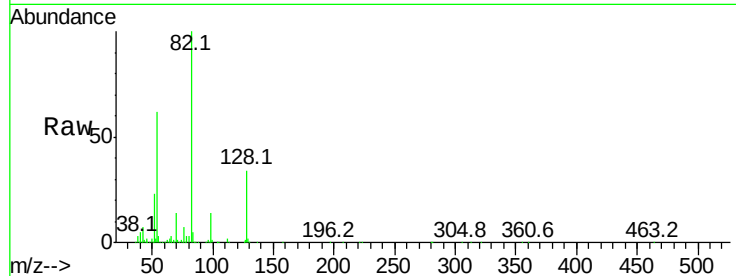
#23
Nitrobenzene-d5
Concen: 83.64 ng
RT: 9.39 min Scan# 1116
Delta R.T. -0.01 min
Lab File: BG025372.D
Acq: 22 Dec 2016 00:39

Instrument :
BNA_G
ClientSampleId :
LOD-SOIL-01-QT1-2017

Tot Ion	Ratio	Resp	Lower	Upper
82	100	374024		
128	34.4	26.4	39.6	
54	61.7	49.4	74.2	

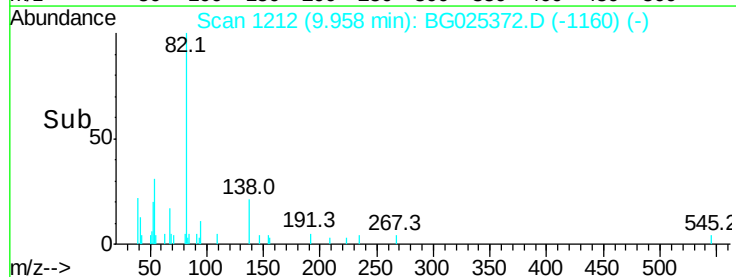
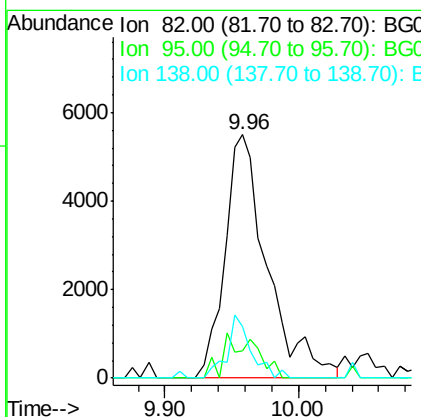
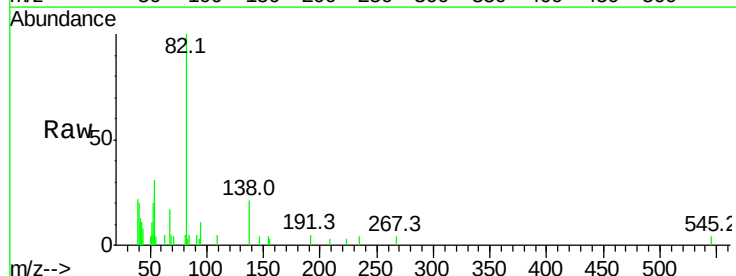
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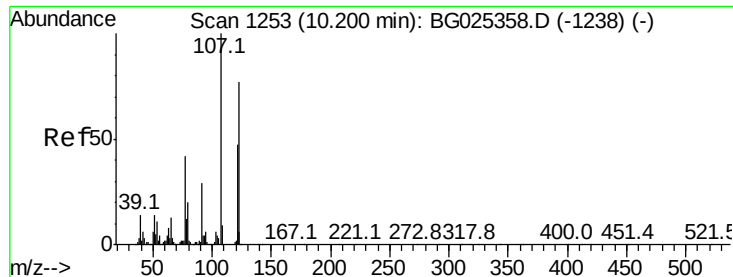
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#25
Isophorone
Concen: 1.50 ng
RT: 9.96 min Scan# 1212
Delta R.T. 0.01 min
Lab File: BG025372.D
Acq: 22 Dec 2016 00:39

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	12133		
95	11.2	7.5	11.3	
138	21.3	12.3	18.5	





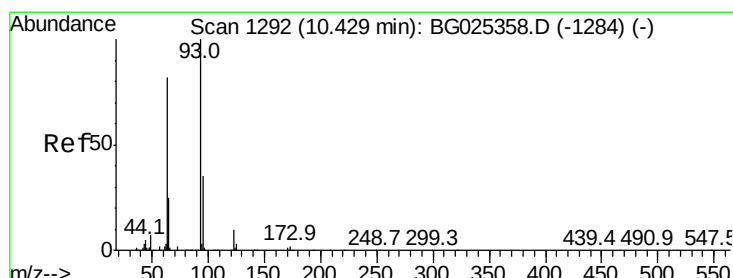
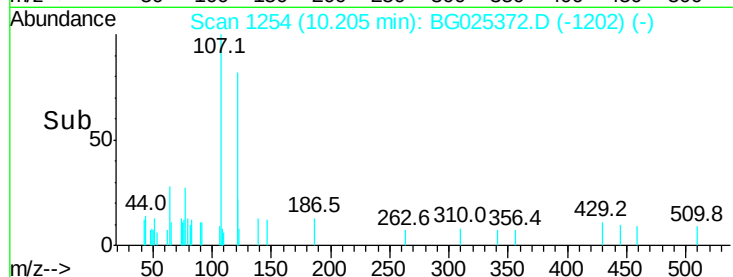
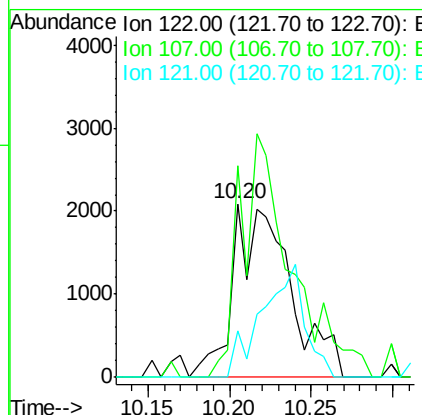
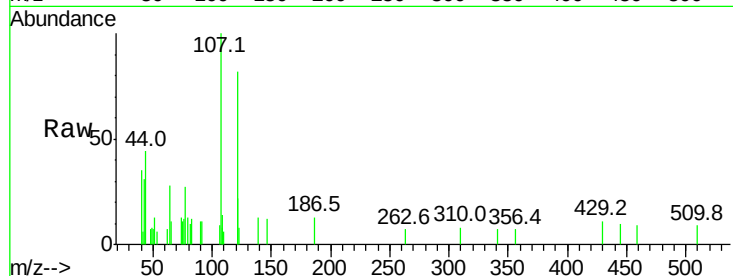
#27
2,4-Dimethylphenol
Concen: 1.63 ng/ml
RT: 10.20 min Scan# 1254
Delta R.T. 0.01 min
Lab File: BG025372.D
Acq: 22 Dec 2016 00:39

Instrument :
BNA_G
ClientSampleId :
LOD-SOIL-01-QT1-2017

Tot Ion	Ratio	Lower	Upper
122	100		
107	122.0	104.2	156.4
121	26.6	46.0	69.0

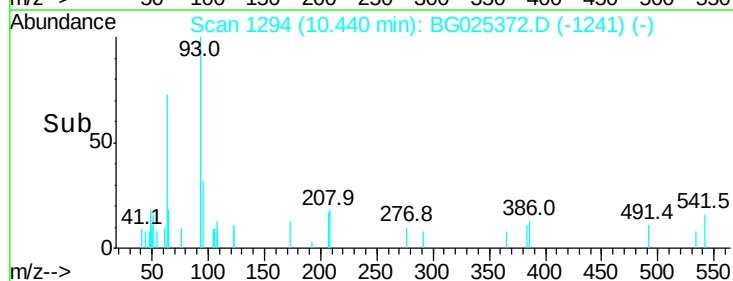
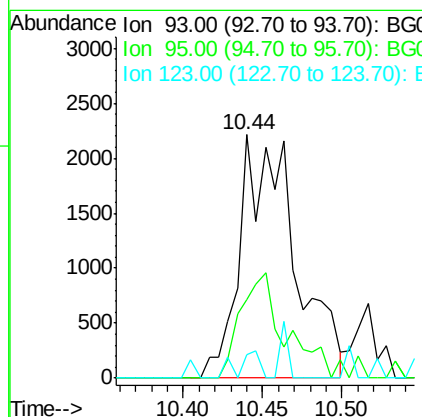
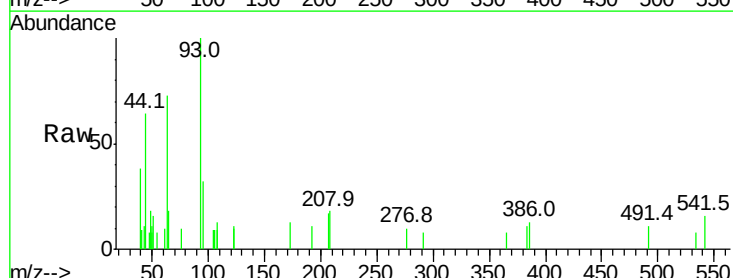
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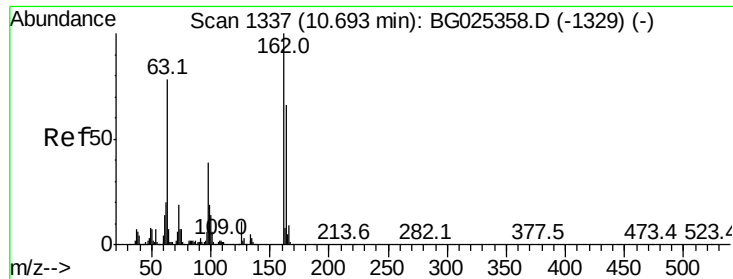
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#28
bis(2-Chloroethoxy)methane
Concen: 1.27 ng/ml
RT: 10.44 min Scan# 1294
Delta R.T. 0.01 min
Lab File: BG025372.D
Acq: 22 Dec 2016 00:39

Tgt Ion	Ratio	Lower	Upper
93	100		
95	32.2	25.7	38.5
123	9.5	8.3	12.5





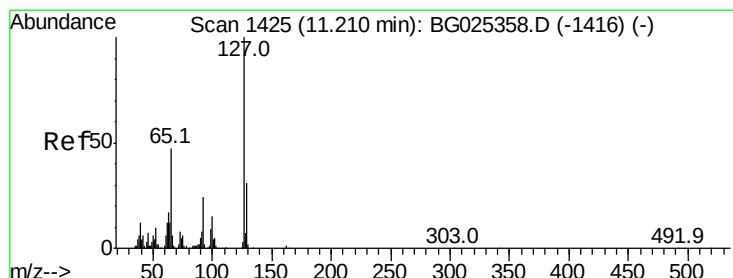
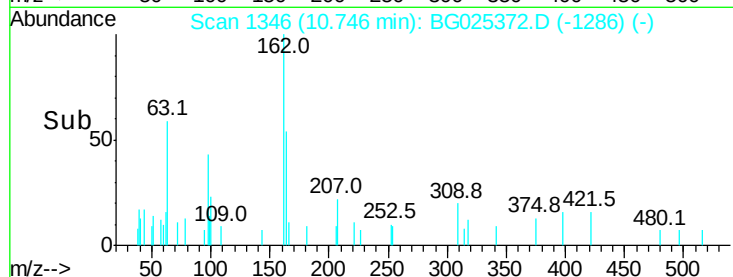
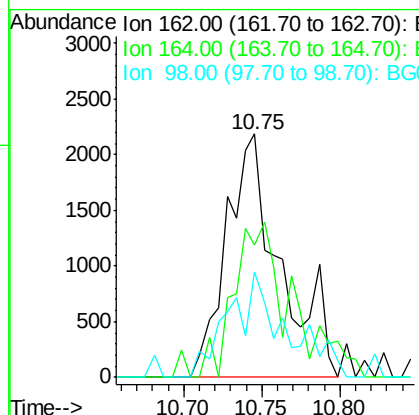
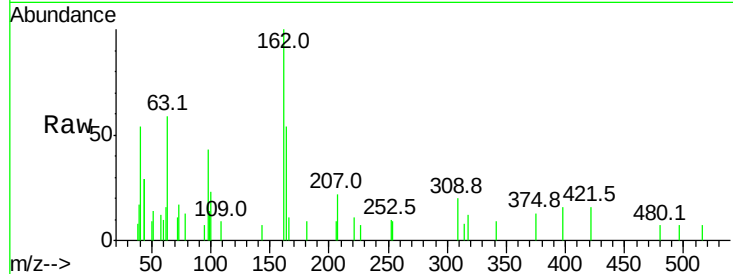
#29
2,4-Dichlorophenol
Concen: 1.56 ng m
RT: 10.75 min Scan# 1346
Delta R.T. 0.05 min
Lab File: BG025372.D
Acq: 22 Dec 2016 00:39

Instrument :
BNA_G
ClientSampleId :
LOD-SOIL-01-QT1-2017

Tot Ion:	162	Resp:	5164
Ion Ratio	Lower	Upper	
162	100		
164	54.3	42.4	82.4
98	43.2	20.3	60.3

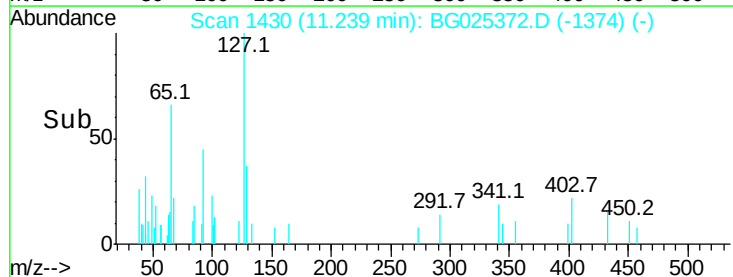
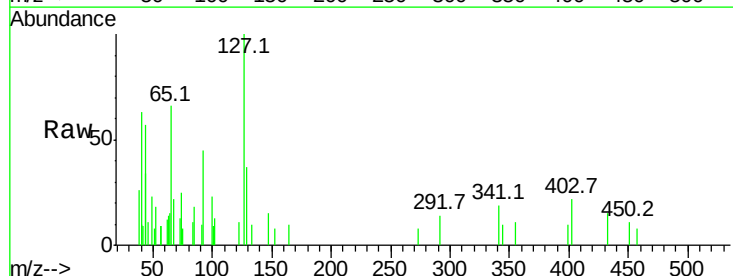
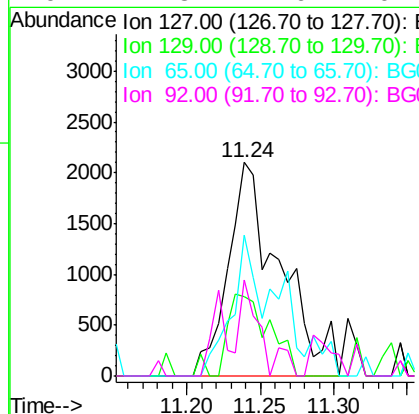
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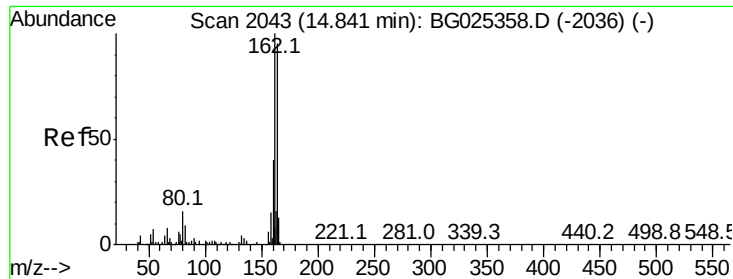
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#33
4-Chloroaniline
Concen: 1.24 ng m
RT: 11.24 min Scan# 1430
Delta R.T. 0.03 min
Lab File: BG025372.D
Acq: 22 Dec 2016 00:39

Tgt Ion:	127	Resp:	5127
Ion Ratio	Lower	Upper	
127	100		
129	36.9	23.6	35.4#
65	65.7	37.7	56.5#
92	44.8	17.6	26.4#





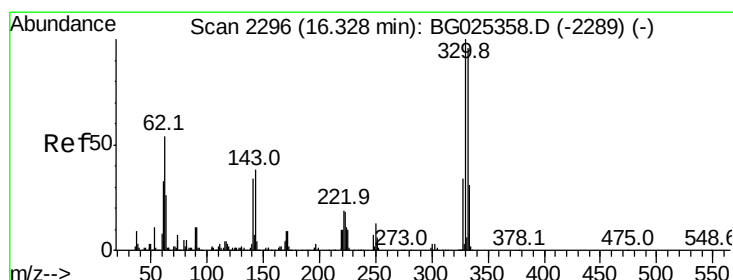
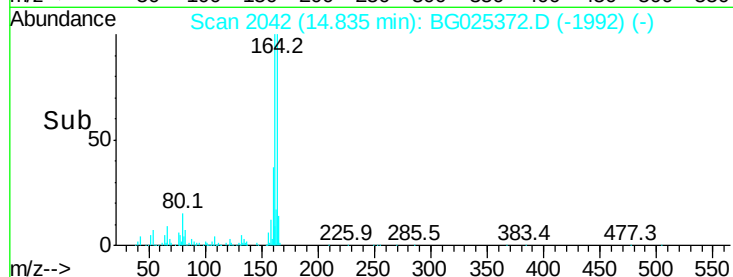
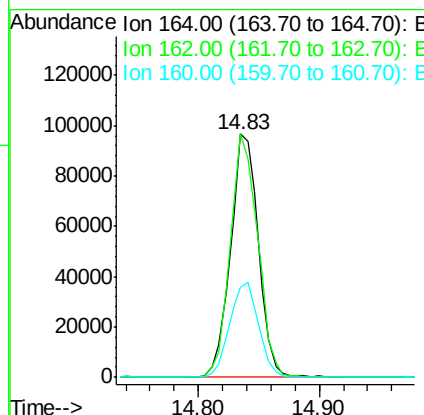
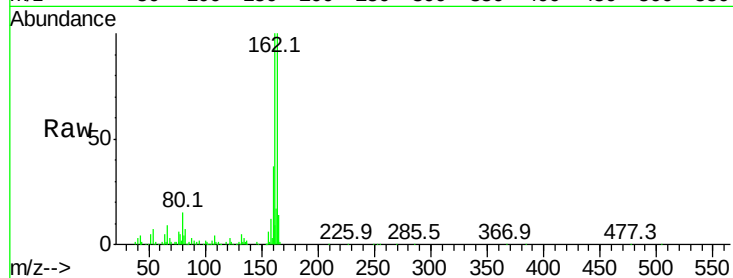
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.83 min Scan# 2042
Delta R.T. -0.01 min
Lab File: BG025372.D
Acq: 22 Dec 2016 00:39

Instrument :
BNA_G
ClientSampleId :
LOD-SOIL-01-QT1-2017

Tot Ion	Ratio	Lower	Upper
164	100		
162	100.1	85.1	127.7
160	37.0	34.7	52.1

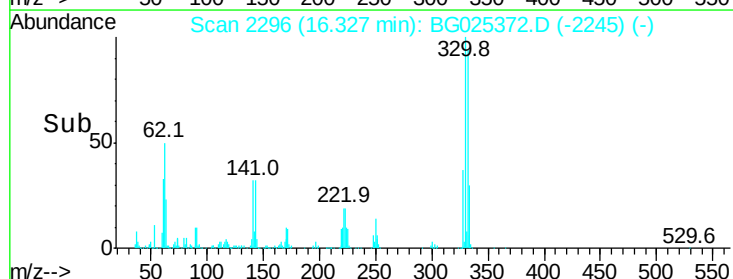
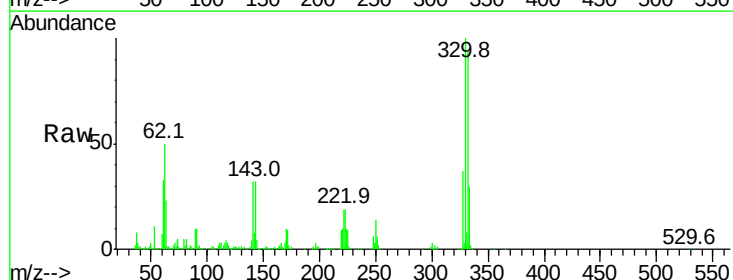
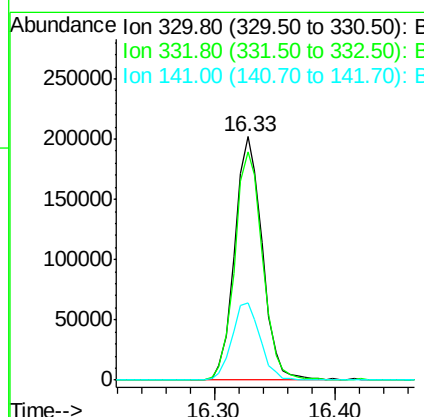
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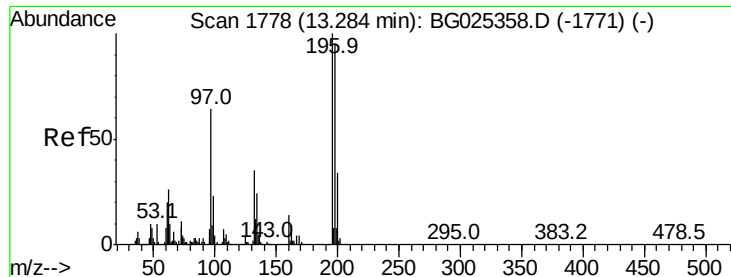
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#41
2,4,6-Tribromophenol
Concen: 129.21 ng
RT: 16.33 min Scan# 2296
Delta R.T. -0.00 min
Lab File: BG025372.D
Acq: 22 Dec 2016 00:39

Tgt Ion	Ratio	Lower	Upper
330	100		
332	94.7	77.3	115.9
141	32.6	32.1	48.1





#42

2,4,6-Trichlorophenol

Concen: 1.45 ng m

RT: 13.30 min Scan# 1781

Delta R.T. 0.02 min

Lab File: BG025372.D

Acq: 22 Dec 2016 00:39

Instrument :

BNA_G

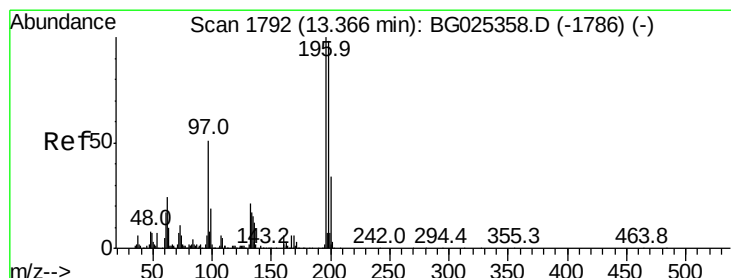
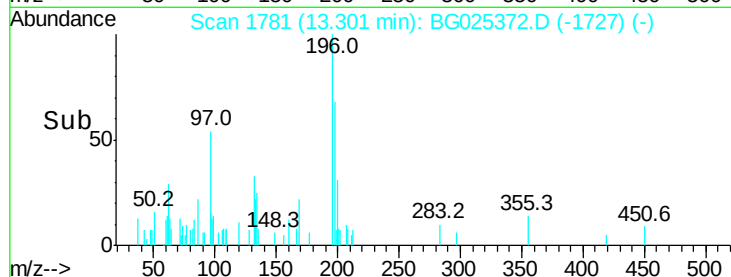
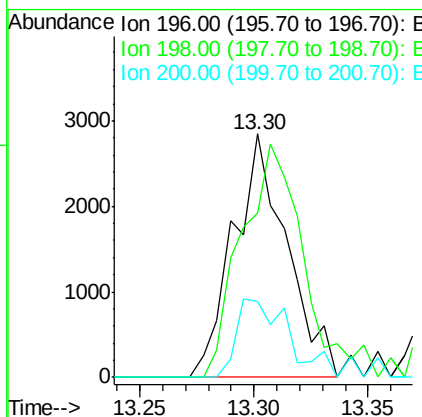
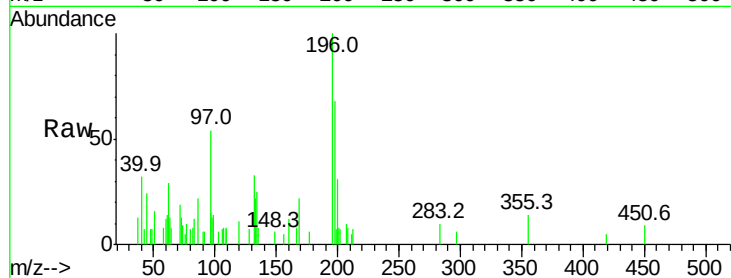
ClientSampleId :

LOD-SOIL-01-QT1-2017

Tot Ion	Ratio	Lower	Upper
196	100		
198	67.5	81.4	122.2#
200	31.1	27.0	40.6

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#43

2,4,5-Trichlorophenol

Concen: 1.48 ng m

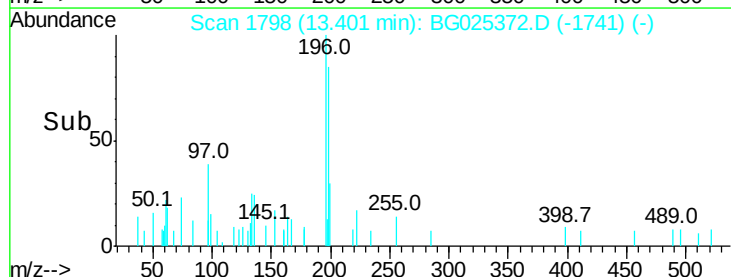
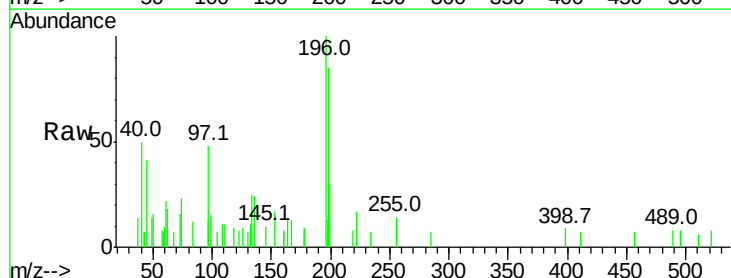
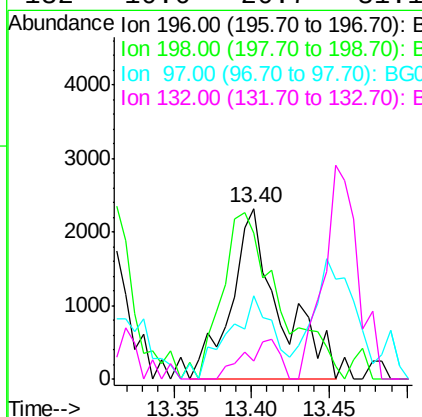
RT: 13.40 min Scan# 1798

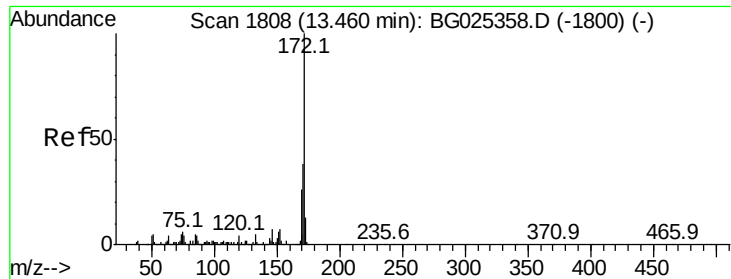
Delta R.T. 0.03 min

Lab File: BG025372.D

Acq: 22 Dec 2016 00:39

Tgt Ion	Ratio	Lower	Upper
196	100		
198	85.3	79.9	119.9
97	48.4	45.4	68.0
132	10.6	20.7	31.1#





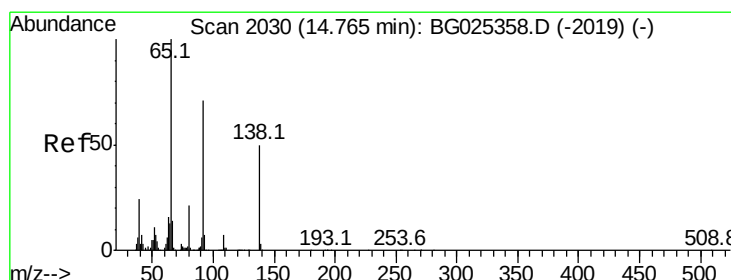
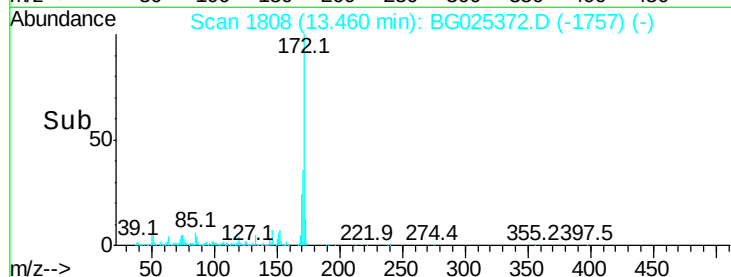
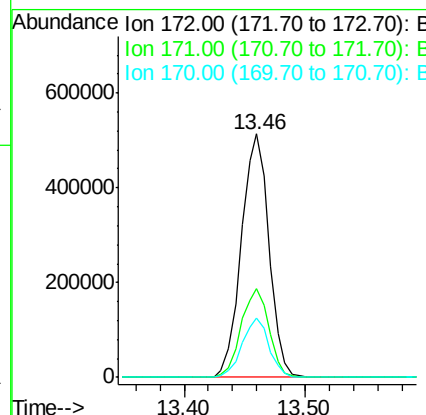
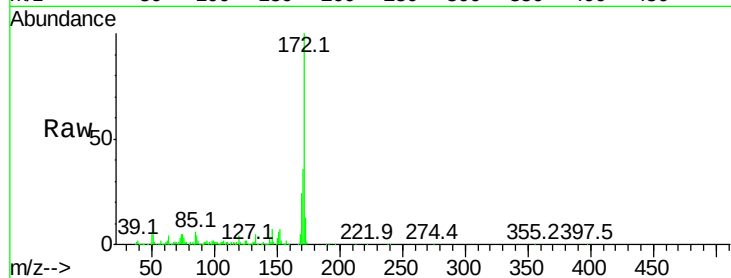
#44
2-Fluorobiphenyl
Concen: 85.94 ng
RT: 13.46 min Scan# 1808
Delta R.T. -0.00 min
Lab File: BG025372.D
Acq: 22 Dec 2016 00:39

Instrument :
BNA_G
ClientSampleId :
LOD-SOIL-01-QT1-2017

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.2	32.2	48.2
170	24.4	21.8	32.6

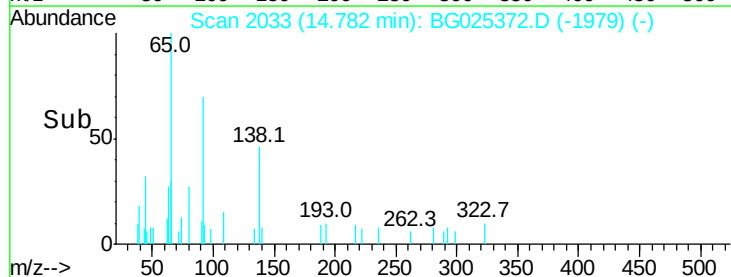
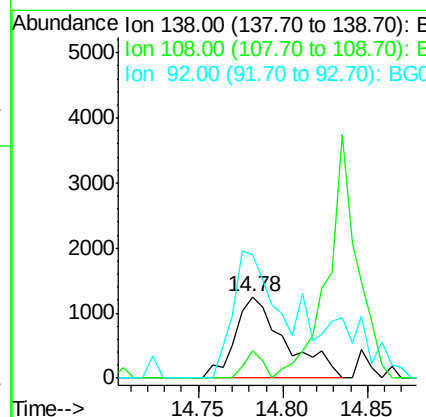
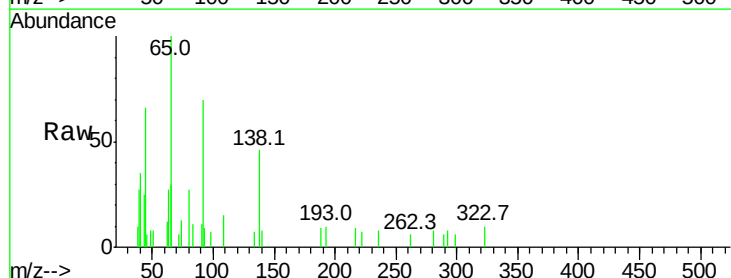
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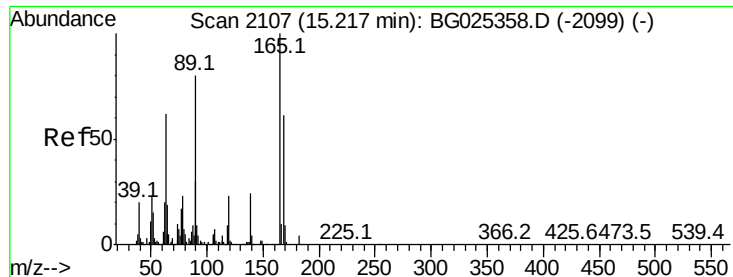
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#52
3-Nitroaniline
Concen: 1.09 ng
RT: 14.78 min Scan# 2033
Delta R.T. 0.02 min
Lab File: BG025372.D
Acq: 22 Dec 2016 00:39

Tgt Ion	Ratio	Lower	Upper
138	100		
108	32.7	10.9	16.3
92	152.2	115.3	172.9





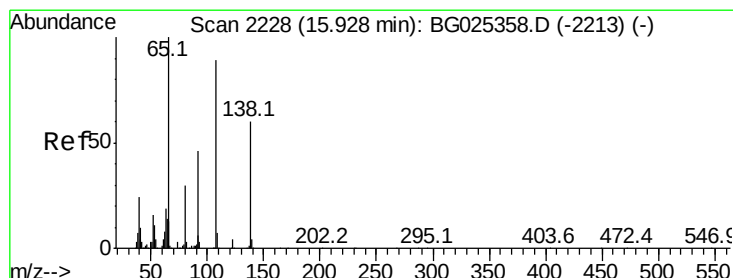
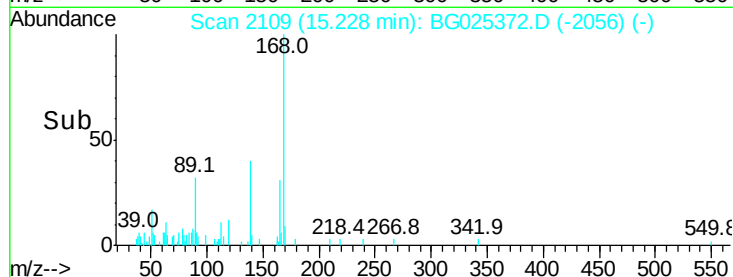
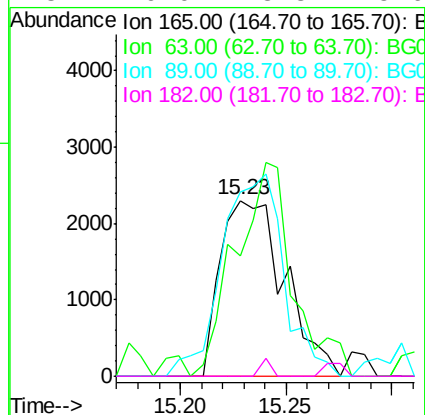
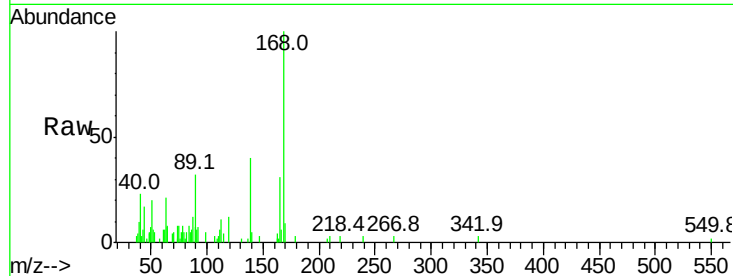
#56
2,4-Dinitrotoluene
Concen: 1.36 ng
RT: 15.23 min Scan# 2109
Delta R.T. 0.01 min
Lab File: BG025372.D
Acq: 22 Dec 2016 00:39

Instrument :
BNA_G
ClientSampleId :
LOD-SOIL-01-QT1-2017

Tot Ion	Ratio	Resp	Lower	Upper
165	100	4863		
63	68.2		44.0	66.0#
89	104.9		67.3	100.9#
182	0.0		3.8	5.6#

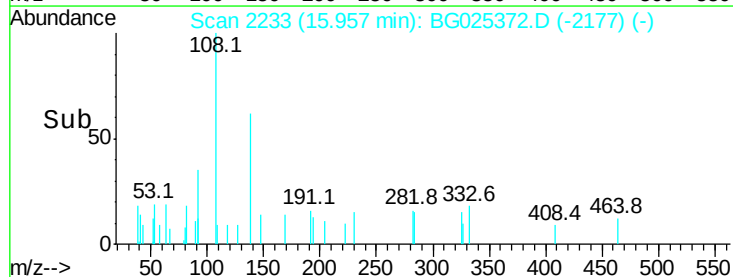
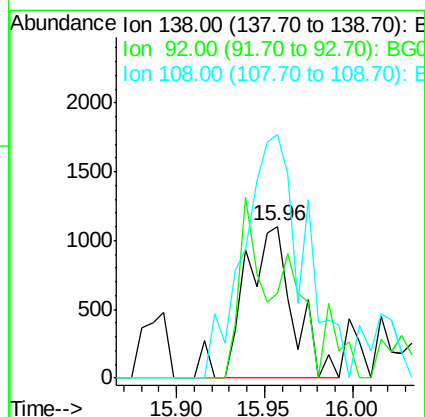
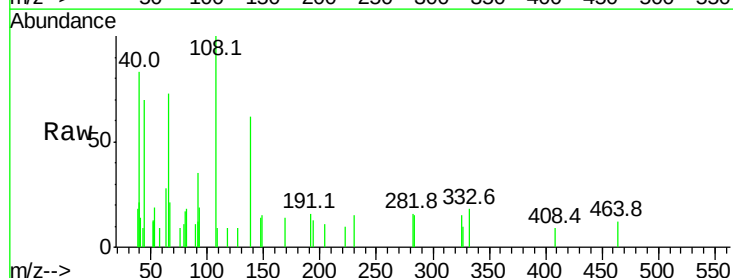
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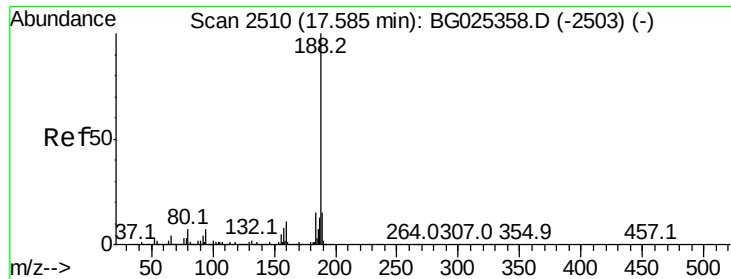
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#61
4-Nitroaniline
Concen: 0.87 ng m
RT: 15.96 min Scan# 2233
Delta R.T. 0.03 min
Lab File: BG025372.D
Acq: 22 Dec 2016 00:39

Tgt Ion	Ratio	Resp	Lower	Upper
138	100	2079		
92	55.8		44.2	84.2
108	160.2		104.8	144.8#





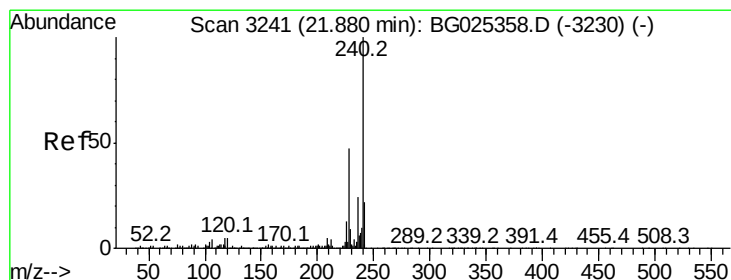
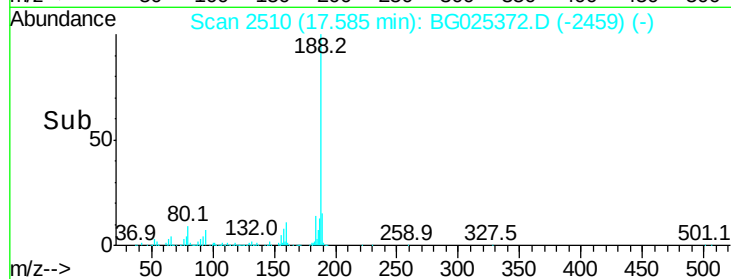
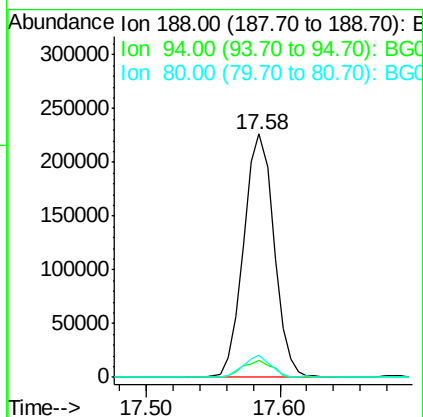
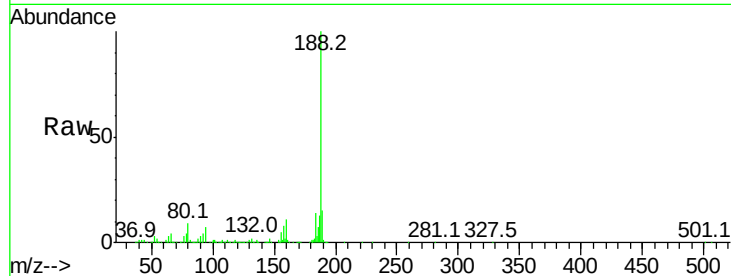
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.58 min Scan# 2510
Delta R.T. -0.00 min
Lab File: BG025372.D
Acq: 22 Dec 2016 00:39

Instrument :
BNA_G
ClientSampleId :
LOD-SOIL-01-QT1-2017

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	6.8	5.8	8.8
80	9.0	7.5	11.3

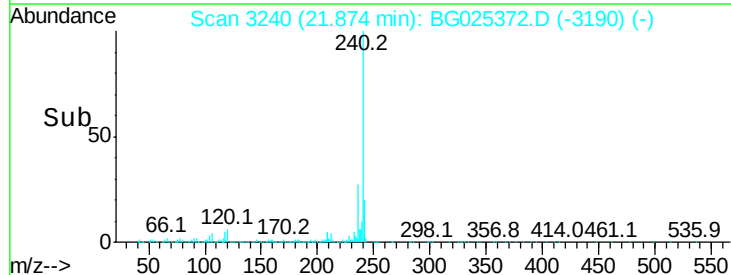
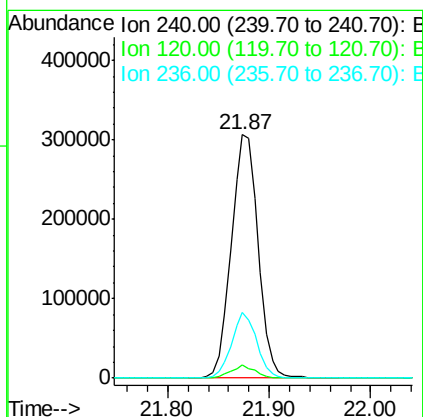
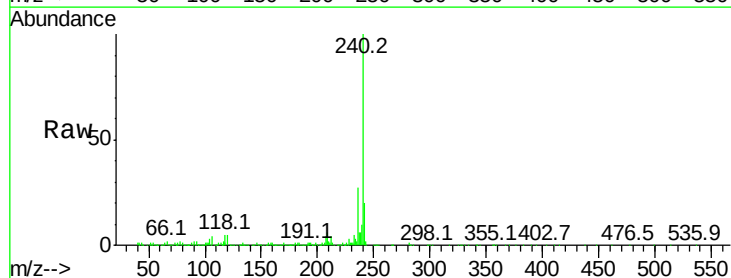
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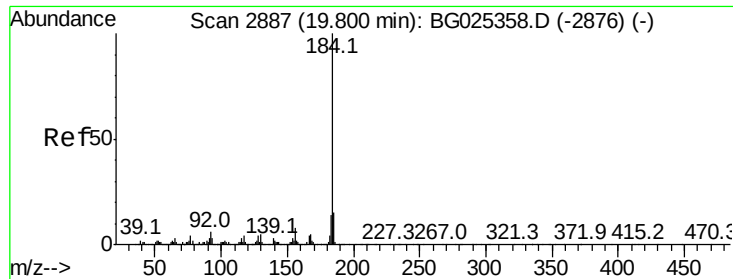
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#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.87 min Scan# 3240
Delta R.T. -0.01 min
Lab File: BG025372.D
Acq: 22 Dec 2016 00:39

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	5.5	5.7	8.5#
236	26.8	22.2	33.4





#76

Benzidine

Concen: 0.52 ng

RT: 19.82 min Scan# 2890

Delta R.T. 0.02 min

Lab File: BG025372.D

Acq: 22 Dec 2016 00:39

Instrument :

BNA_G

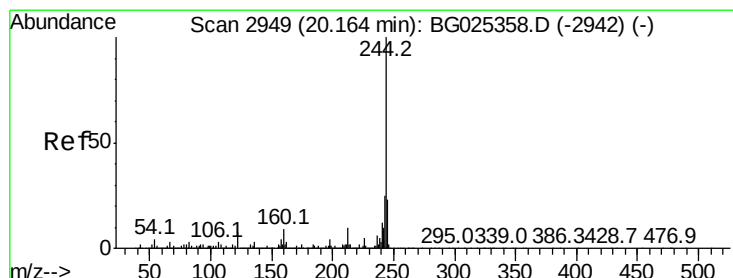
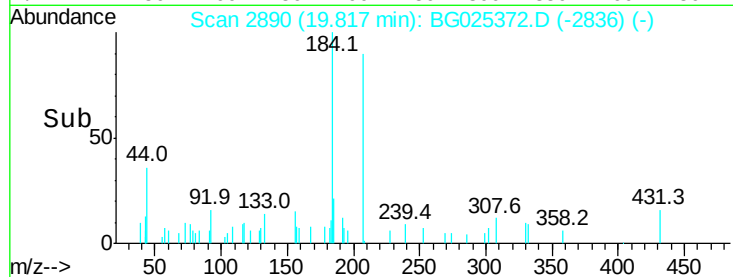
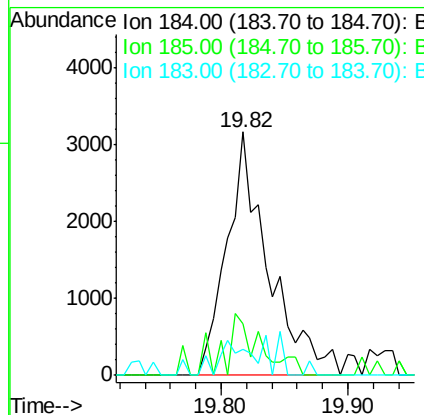
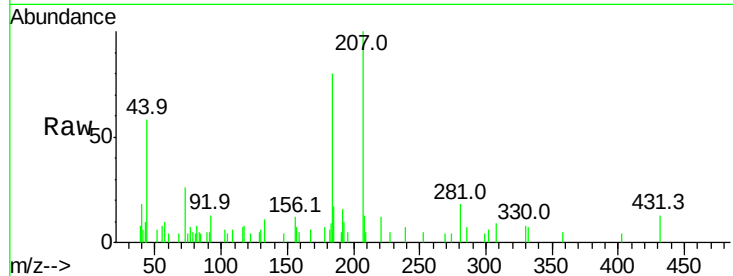
ClientSampleId :

LOD-SOIL-01-QT1-2017

Tot Ion	Ratio	Lower	Upper
184	100		
185	21.0	13.0	19.6#
183	10.9	11.0	16.6#

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#78

Terphenyl-d14

Concen: 79.86 ng

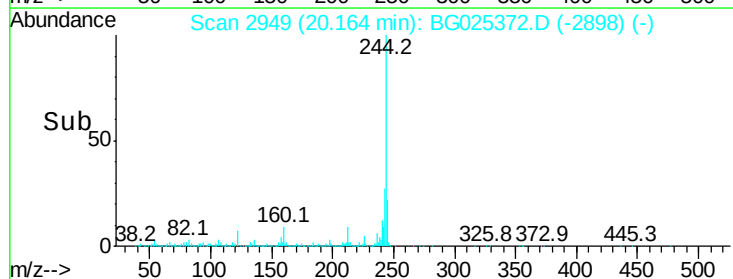
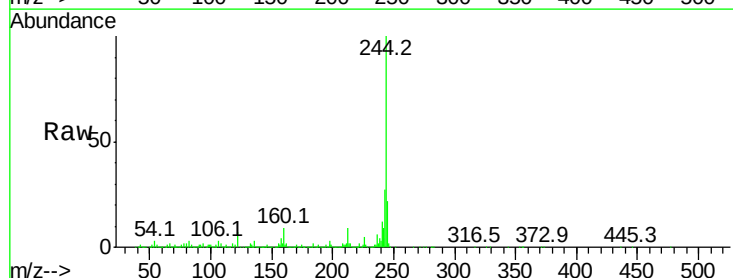
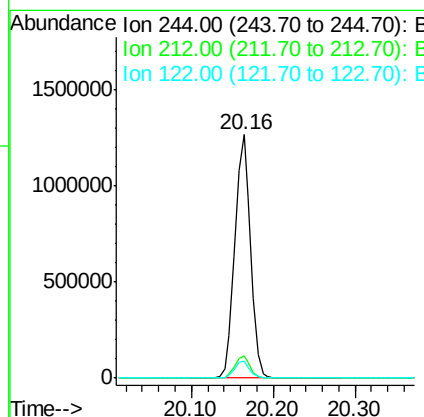
RT: 20.16 min Scan# 2949

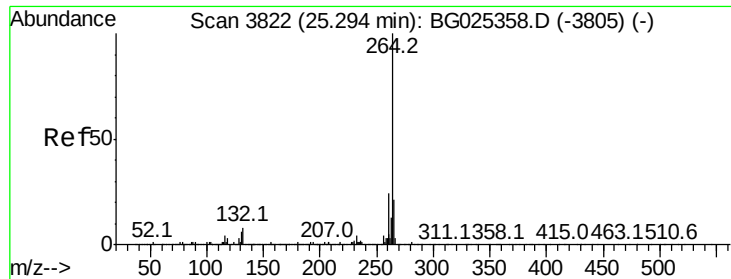
Delta R.T. -0.00 min

Lab File: BG025372.D

Acq: 22 Dec 2016 00:39

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.9	10.0	15.0#
122	7.1	8.6	12.8#





#86
Pervlene-d12
Concen: 20.00 ng
RT: 25.29 min Scan# 3821
Delta R.T. -0.01 min
Lab File: BG025372.D
Acq: 22 Dec 2016 00:39

Instrument :
BNA_G
ClientSampleId :
LOD-SOIL-01-QT1-2017

Tot Ion	Ratio	Resp Lower	Upper
264	100		
260	25.2	21.8	32.8
265	21.1	18.2	27.4

Manual Integrations
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