

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122116\
 Data File : BG025371.D
 Acq On : 22 Dec 2016 00:00
 Operator : UM/SJ
 Sample : H6103-01
 Misc : LOD 1 PPM
 ALS Vial : 9 Sample Multiplier: 1

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

Manual Integrations
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Quant Time: Dec 22 04:59:53 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	47883	20.00	ng	0.00
21) Naphthalene-d8	11.04	136	195304	20.00	ng	0.00
38) Acenaphthene-d10	14.84	164	144682	20.00	ng	0.00
63) Phenanthrene-d10	17.58	188	346675	20.00	ng	0.00
75) Chrysene-d12	21.87	240	552931	20.00	ng	0.00
86) Perylene-d12	25.28	264	572531	20.00	ng	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.75	112	375565	142.57	ng	0.00
7) Phenol-d6	7.37	99	523741	141.17	ng	0.00
23) Nitrobenzene-d5	9.39	82	376739	85.22	ng	0.00
41) 2,4,6-Tribromophenol	16.33	330	323254	138.78	ng	0.00
44) 2-Fluorobiphenyl	13.46	172	825503	92.37	ng	0.00
78) Terphenyl-d14	20.16	244	1676472	80.39	ng	0.00

Target Compounds

						Qvalue
6) Aniline	7.54	93	3352	0.67	ng	# 90
8) 2-Chlorophenol	7.78	128	3477	1.17	ng	# 73
9) Benzaldehyde	7.36	77	3124	1.15	ng	# 46
10) Phenol	7.40	94	3351m	0.81	ng	
11) bis(2-Chloroethyl)ether	7.64	93	2900	0.92	ng	# 34
12) 1,3-Dichlorobenzene	8.10	146	2926m	0.81	ng	
13) 1,4-Dichlorobenzene	8.25	146	3205	0.86	ng	# 71
14) 1,2-Dichlorobenzene	8.56	146	3110	0.87	ng	# 63
15) Benzyl Alcohol	8.47	79	2351m	0.66	ng	
16) 2,2'-oxybis(1-Chloropropan	8.75	45	3792	0.65	ng	64
17) 2-Methylphenol	8.68	107	2467	0.91	ng	# 62
18) Hexachloroethane	9.29	117	810	0.57	ng	93
20) 3+4-Methylphenols	9.03	107	3031	0.81	ng	# 67
22) Acetophenone	9.05	105	4104	0.76	ng	# 82
24) Nitrobenzene	9.45	77	4150	0.86	ng	# 74
26) 2-Nitrophenol	10.17	139	1386m	0.75	ng	
30) 1,2,4-Trichlorobenzene	10.90	180	3097	0.79	ng	# 52
31) Naphthalene	11.10	128	7697	0.79	ng	98
34) Hexachlorobutadiene	11.35	225	2886	0.90	ng	# 76
36) 4-Chloro-3-methylphenol	12.37	107	2341	0.58	ng	# 81
37) 2-Methylnaphthalene	12.70	142	6067	0.84	ng	92
39) 1,2,4,5-Tetrachlorobenzene	13.05	216	4667	0.98	ng	# 94
45) 1,1'-Biphenyl	13.68	154	10349	1.06	ng	84
46) 2-Chloronaphthalene	13.74	162	7249	0.95	ng	# 77
47) 2-Nitroaniline	13.97	65	2461	0.77	ng	# 65
48) Acenaphthylene	14.56	152	9412	0.80	ng	# 82
49) Dimethylphthalate	14.29	163	7623	0.72	ng	# 91
50) 2,6-Dinitrotoluene	14.44	165	1407	0.61	ng	90
51) Acenaphthene	14.91	154	7209	0.94	ng	# 82
54) Dibenzofuran	15.24	168	9755	0.80	ng	# 87
57) Fluorene	15.89	166	9360	0.92	ng	# 77
58) 2,3,4,6-Tetrachlorophenol	15.48	232	2384	0.71	ng	# 71
59) Diethylphthalate	15.63	149	9248	0.84	ng	# 89
60) 4-Chlorophenyl-phenylether	15.86	204	5505	0.95	ng	# 71

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

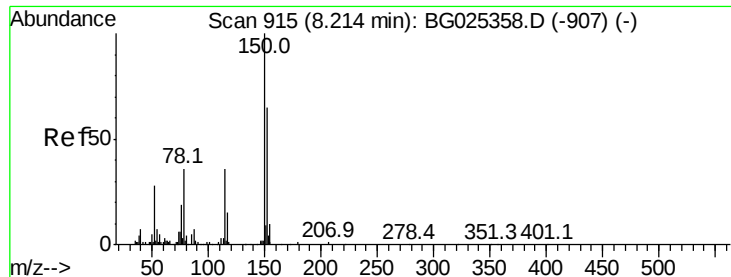
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Quant Time: Dec 22 04:59:53 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG122116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
62) Azobenzene	16.16	77	9040	0.85	nq	79
65) n-Nitrosodiphenylamine	16.10	169	7326	0.78	nq	# 70
66) 4-Bromophenyl-phenylether	16.77	248	3813	0.89	nq	# 86
67) Hexachlorobenzene	16.89	284	3663	0.75	nq	# 83
68) Atrazine	17.03	200	2246	0.55	nq	84
70) Phenanthrene	17.63	178	13769	0.77	nq	98
71) Anthracene	17.73	178	15842m	0.87	nq	
72) Carbazole	18.01	167	12687	0.78	nq	# 90
73) Di-n-butylphthalate	18.51	149	16564	0.83	nq	# 93
74) Fluoranthene	19.63	202	21759	0.92	nq	89
77) Pvrene	19.99	202	22574	0.78	nq	# 93
79) Butylbenzylphthalate	20.84	149	10717m	0.92	nq	
80) Benzo(a)anthracene	21.85	228	26432	0.86	nq	# 91
81) 3,3'-Dichlorobenzidine	21.77	252	8982	0.75	nq	# 82
82) Chrysene	21.93	228	25275	0.85	nq	# 92
83) Bis(2-ethylhexyl)phthalate	21.69	149	16215	1.00	nq	# 83
84) Di-n-octyl phthalate	22.95	149	23470	0.88	nq	98
85) Indeno(1,2,3-cd)pyrene	29.23	276	33708m	0.90	nq	
87) Benzo(b)fluoranthene	24.20	252	26901	0.86	nq	# 87
88) Benzo(k)fluoranthene	24.26	252	26215	0.87	nq	# 83
89) Benzo(a)pyrene	25.12	252	24155	0.80	nq	# 89
90) Dibenzo(a,h)anthracene	29.28	278	25951m	0.81	nq	
91) Benzo(g,h,i)perylene	30.49	276	25803m	0.81	nq	

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



#1

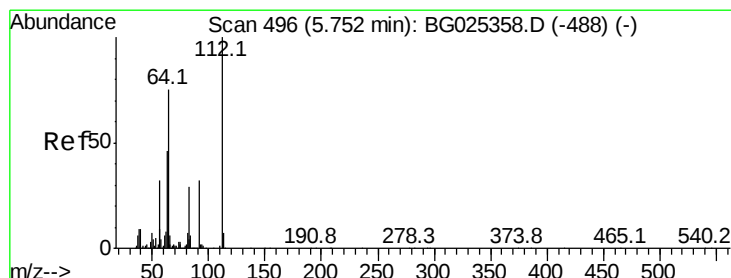
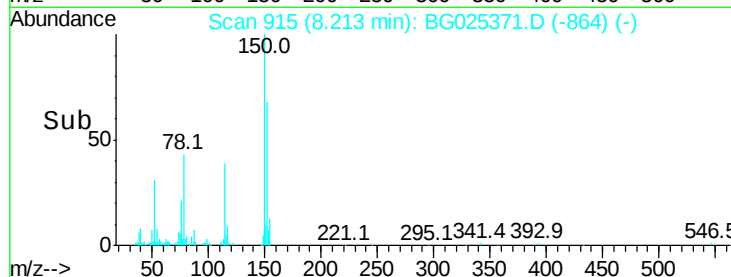
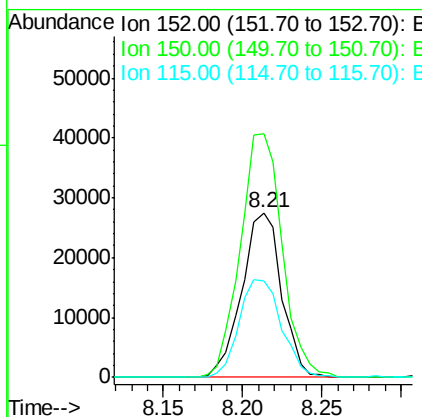
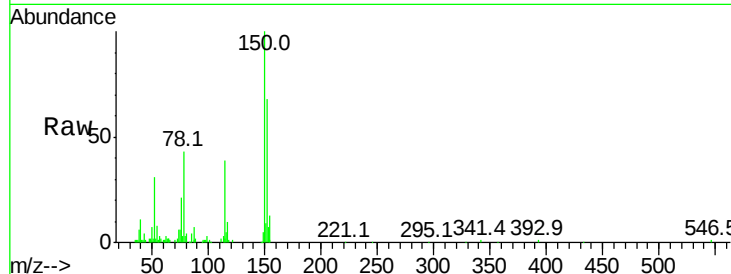
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.21 min Scan# 915
Delta R.T. -0.00 min
Lab File: BG025371.D
Acq: 22 Dec 2016 00:00

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	147.7	114.0	171.0
115	58.1	48.1	72.1

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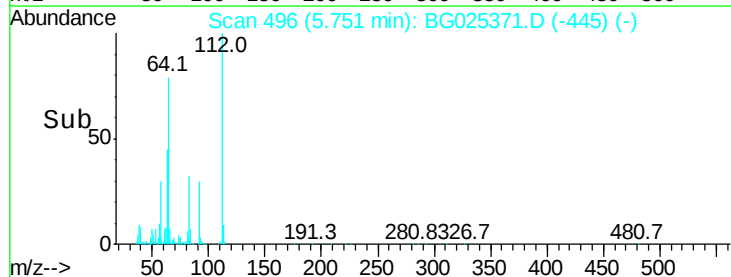
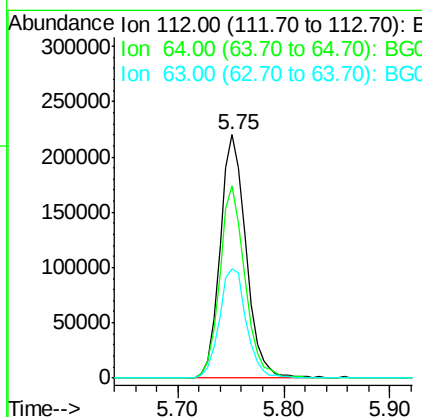
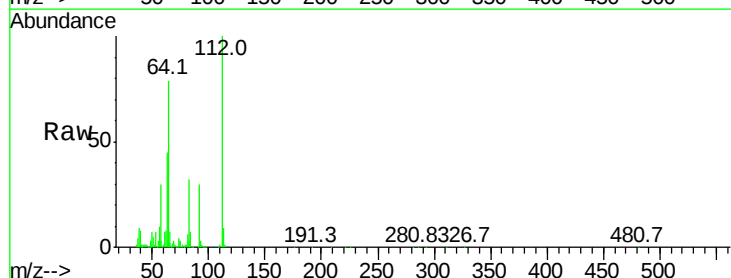
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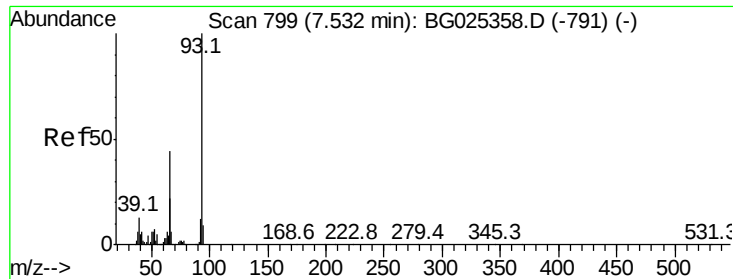


#5

2-Fluorophenol
Concen: 142.57 ng
RT: 5.75 min Scan# 496
Delta R.T. -0.00 min
Lab File: BG025371.D
Acq: 22 Dec 2016 00:00

Tgt Ion	Ratio	Lower	Upper
112	100		
64	79.2	61.8	92.6
63	44.9	37.2	55.8





#6

Aniline

Concen: 0.67 ng

RT: 7.54 min Scan# 800

Delta R.T. 0.01 min

Lab File: BG025371.D

Acq: 22 Dec 2016 00:00

Instrument :

BNA_G

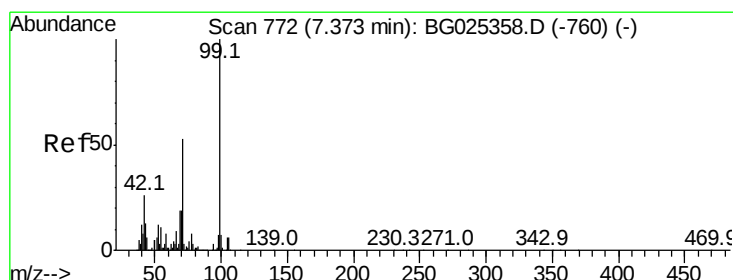
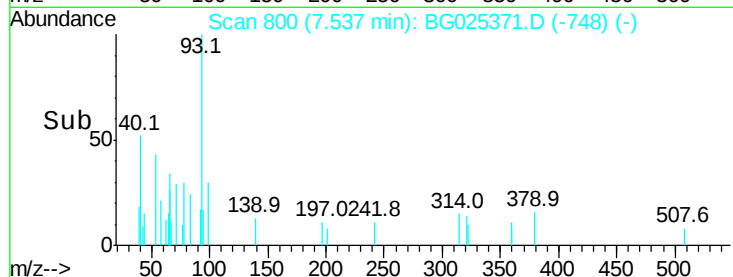
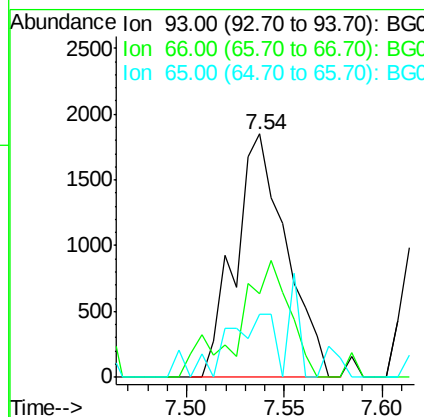
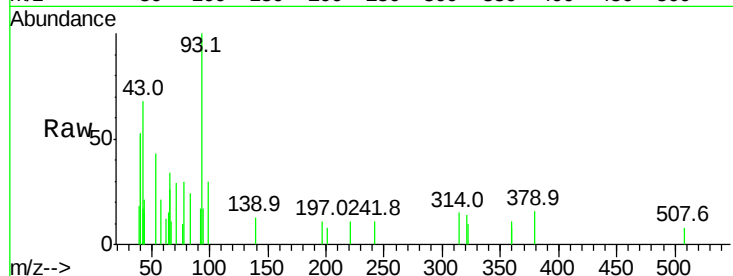
ClientSampleId :

LOD-SOIL-01-QT1-2017

Tot Ion:	93	Resp:	3352
Ion Ratio	Lower	Upper	
93	100		
66	34.2	35.4	53.2#
65	26.1	21.2	31.8

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#7

Phenol-d6

Concen: 141.17 ng

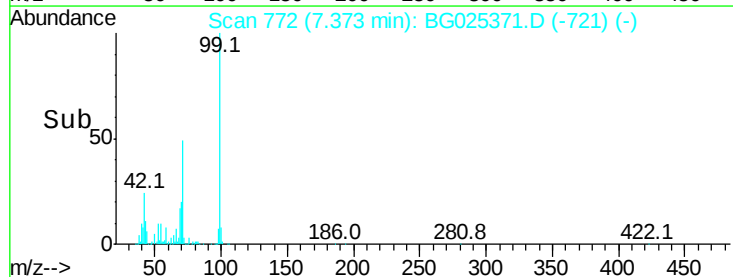
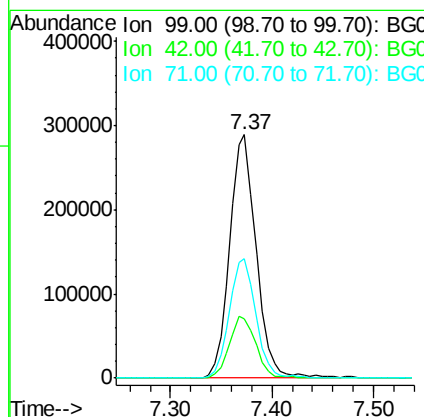
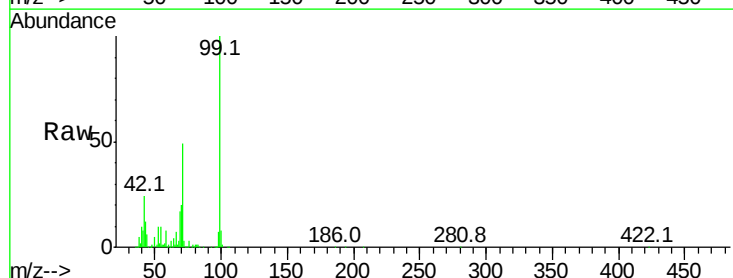
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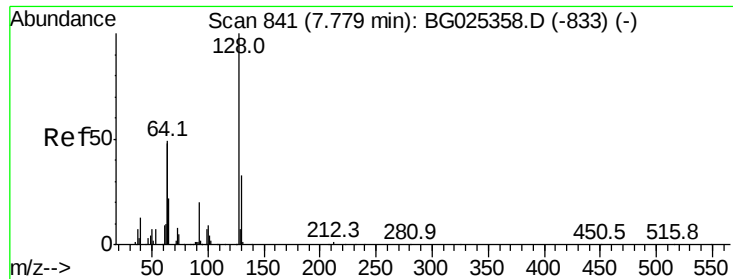
Delta R.T. -0.00 min

Lab File: BG025371.D

Acq: 22 Dec 2016 00:00

Tgt Ion:	99	Resp:	523741
Ion Ratio	Lower	Upper	
99	100		
42	24.2	20.5	30.7
71	49.3	37.6	56.4





#8

2-Chlorophenol

Concen: 1.17 ng

RT: 7.78 min Scan# 841

Delta R.T. -0.00 min

Lab File: BG025371.D

Acq: 22 Dec 2016 00:00

Instrument :

BNA_G

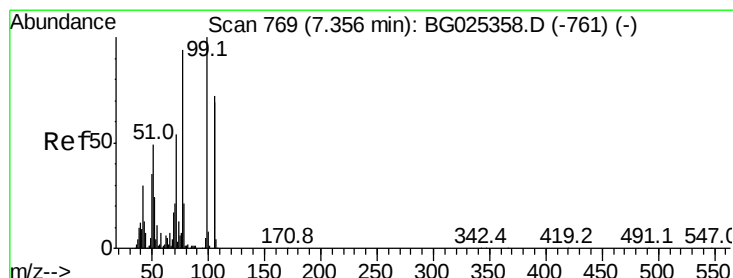
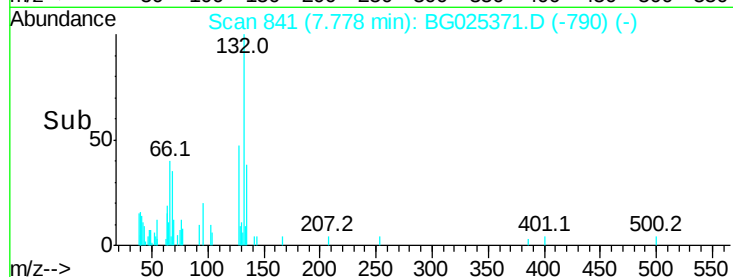
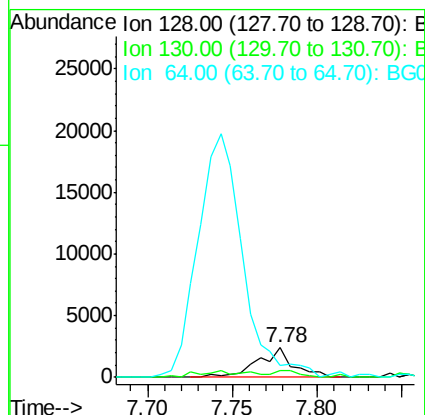
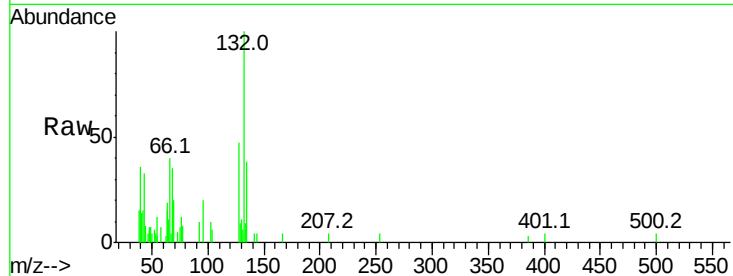
ClientSampleId :

LOD-SOIL-01-QT1-2017

Tot Ion:	128	Resp:	3477
Ion Ratio	Lower	Upper	
128	100		
130	23.5	11.4	51.4
64	40.7	46.6	86.6#

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#9

Benzaldehyde

Concen: 1.15 ng

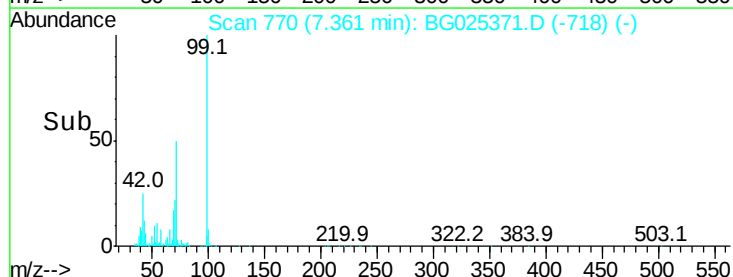
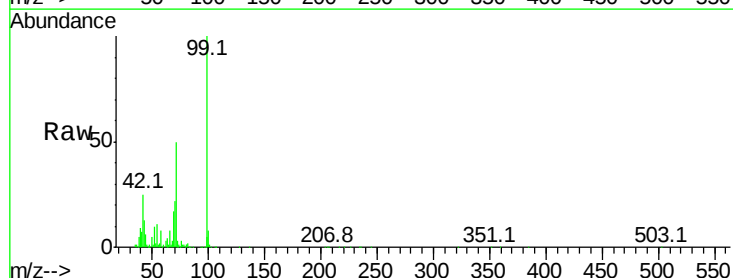
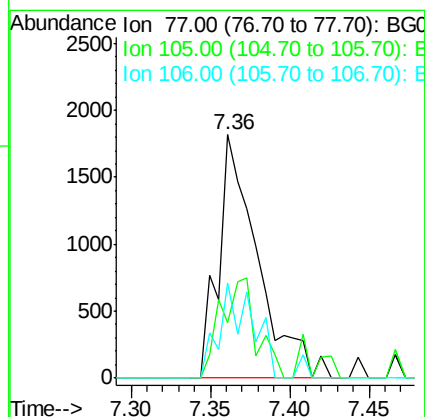
RT: 7.36 min Scan# 770

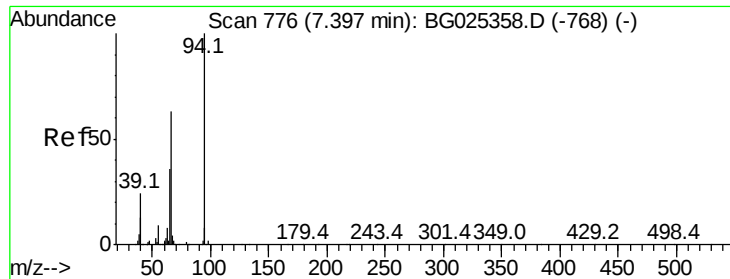
Delta R.T. 0.01 min

Lab File: BG025371.D

Acq: 22 Dec 2016 00:00

Tgt Ion:	77	Resp:	3124
Ion Ratio	Lower	Upper	
77	100		
105	22.8	60.9	100.9#
106	38.8	55.1	95.1#





#10

Phenol

Concen: 0.81 ng/ml

RT: 7.40 min Scan# 777

Delta R.T. 0.01 min

Lab File: BG025371.D

Acq: 22 Dec 2016 00:00

Instrument :

BNA_G

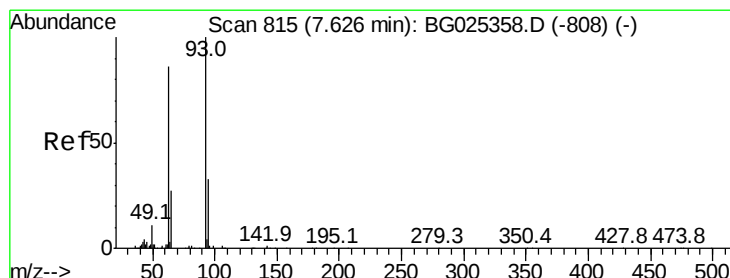
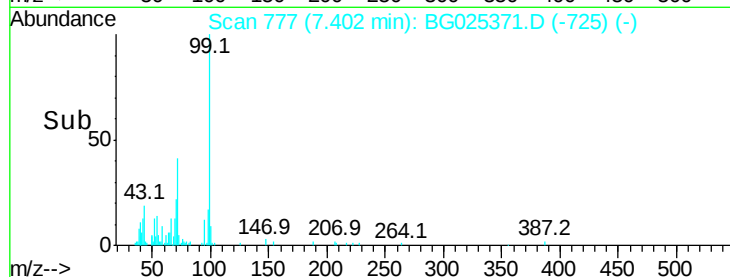
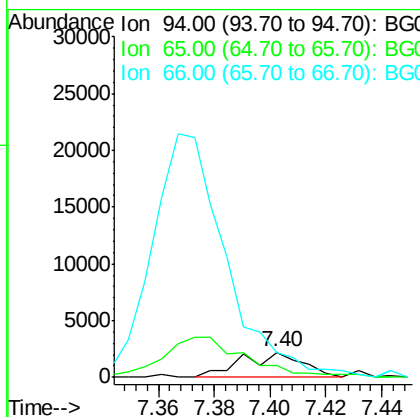
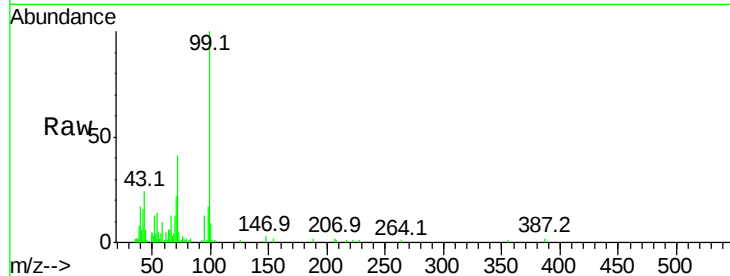
ClientSampleId :

LOD-SOIL-01-QT1-2017

Tot Ion:	94	Resp:	3351
Ion Ratio	Lower	Upper	
94	100		
65	49.5	20.6	60.6
66	97.6	35.5	75.5#

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#11

bis(2-Chloroethyl)ether

Concen: 0.92 ng/ml

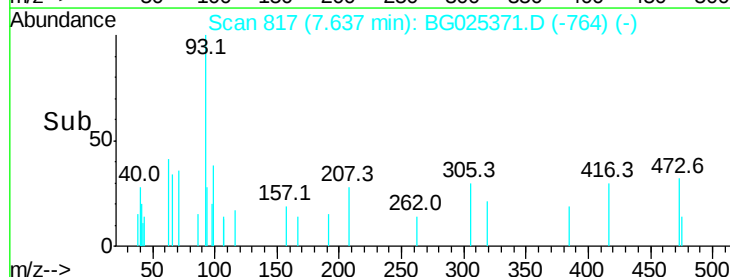
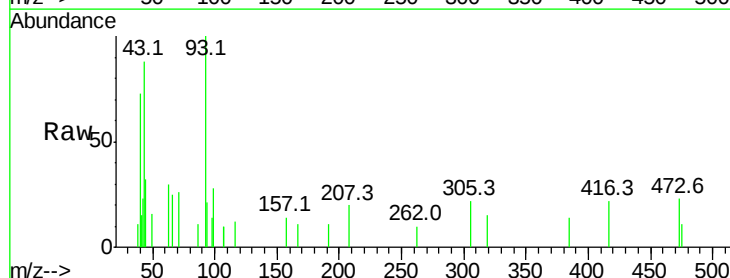
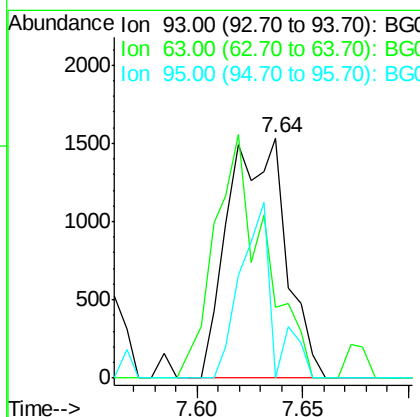
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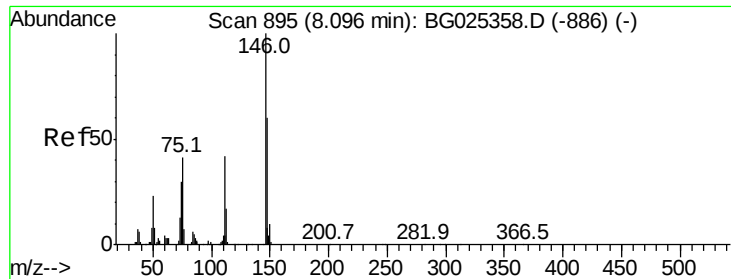
Delta R.T. 0.01 min

Lab File: BG025371.D

Acq: 22 Dec 2016 00:00

Tgt Ion:	93	Resp:	2900
Ion Ratio	Lower	Upper	
93	100		
63	29.6	78.5	118.5#
95	0.0	9.8	49.8#





#12

1,3-Dichlorobenzene

Concen: 0.81 ng

RT: 8.10 min Scan# 896

Delta R.T. 0.01 min

Lab File: BG025371.D

Acq: 22 Dec 2016 00:00

Instrument :

BNA_G

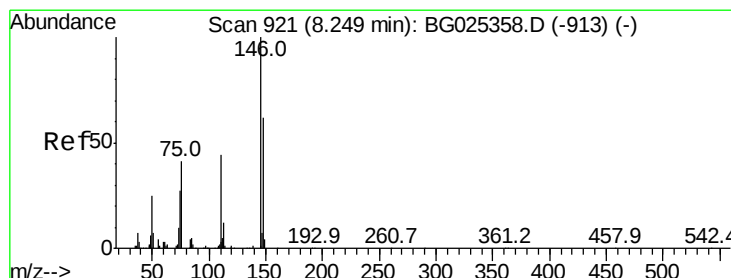
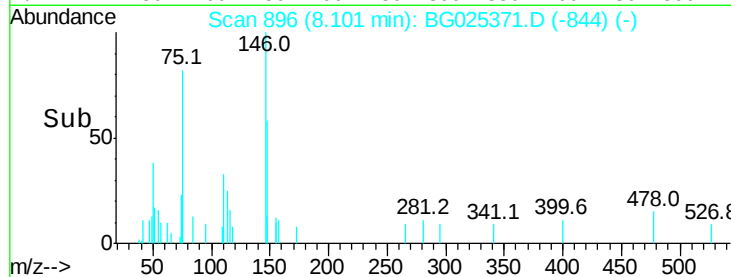
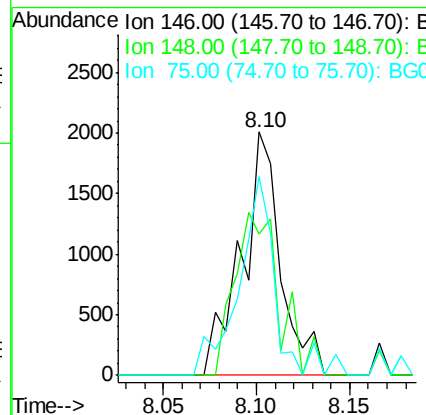
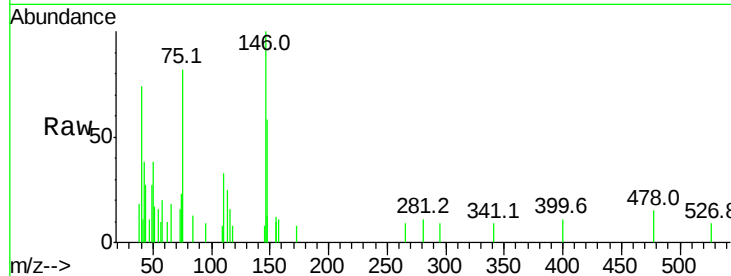
ClientSampleId :

LOD-SOIL-01-QT1-2017

Tot Ion	Ratio	Lower	Upper
146	100		
148	58.2	49.2	73.8
75	81.9	33.4	50.2

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#13

1,4-Dichlorobenzene

Concen: 0.86 ng

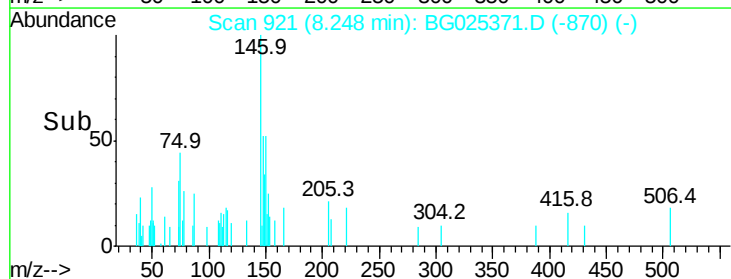
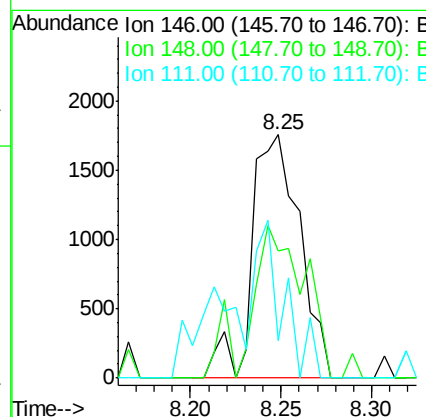
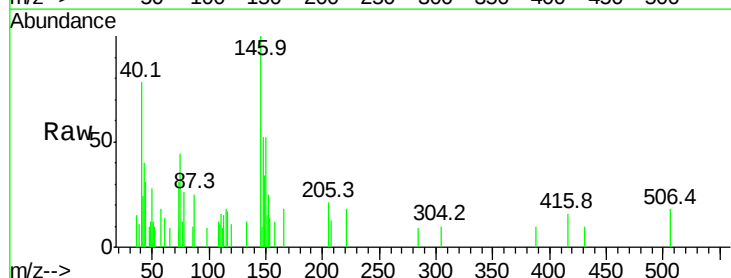
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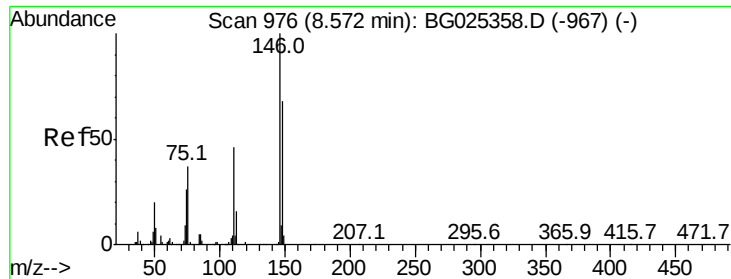
Delta R.T. -0.00 min

Lab File: BG025371.D

Acq: 22 Dec 2016 00:00

Tgt Ion	Ratio	Lower	Upper
146	100		
148	52.1	52.2	78.2
111	15.5	37.0	55.6





#14

1,2-Dichlorobenzene

Concen: 0.87 ng

RT: 8.56 min Scan# 974

Delta R.T. -0.01 min

Lab File: BG025371.D

Acq: 22 Dec 2016 00:00

Instrument :

BNA_G

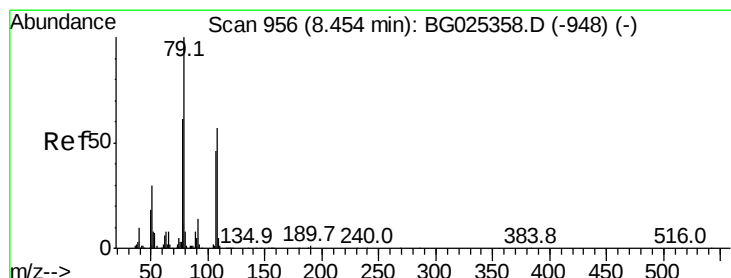
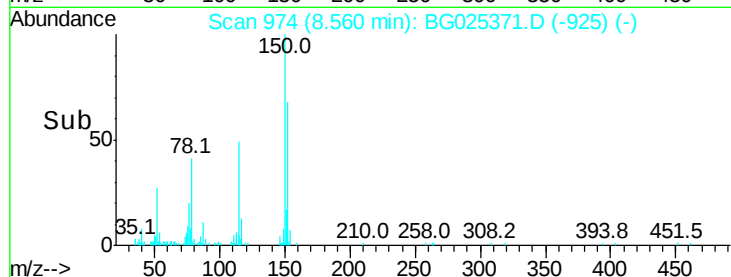
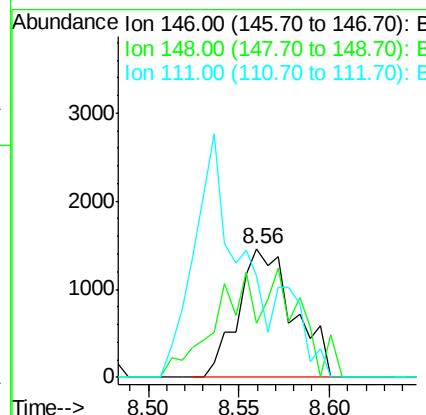
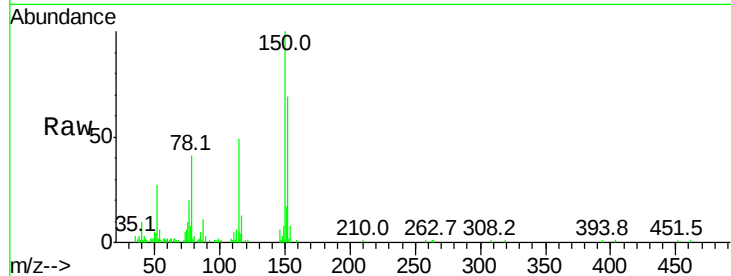
ClientSampleId :

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Tot Ion:	146	Resp:	3110
Ion Ratio	Lower	Upper	
146	100		
148	42.0	54.6	81.8#
111	78.9	39.7	59.5#

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#15

Benzyl Alcohol

Concen: 0.66 ng m

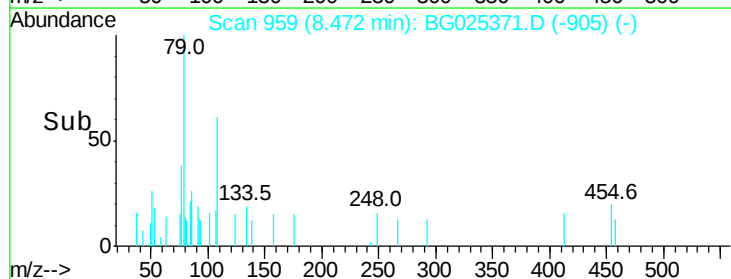
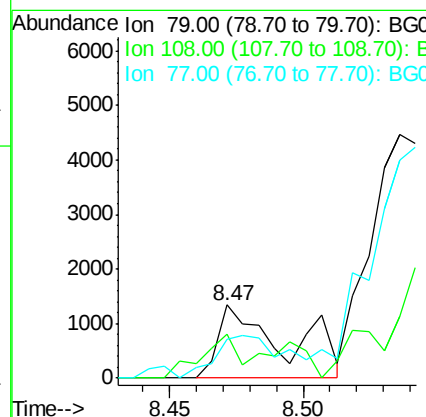
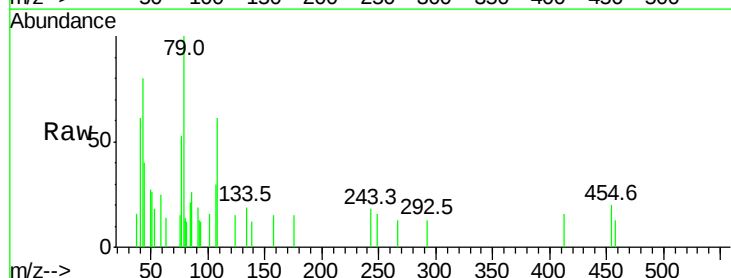
RT: 8.47 min Scan# 959

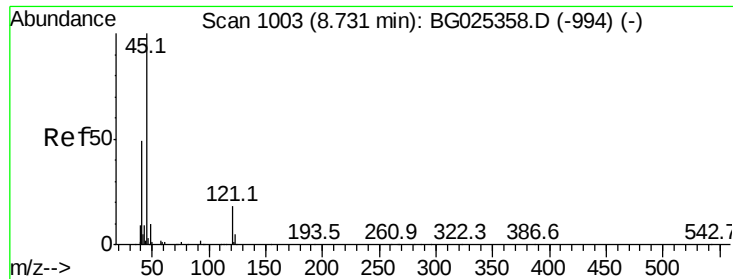
Delta R.T. 0.02 min

Lab File: BG025371.D

Acq: 22 Dec 2016 00:00

Tgt Ion:	79	Resp:	2351
Ion Ratio	Lower	Upper	
79	100		
108	61.0	45.5	68.3
77	53.0	54.3	81.5#





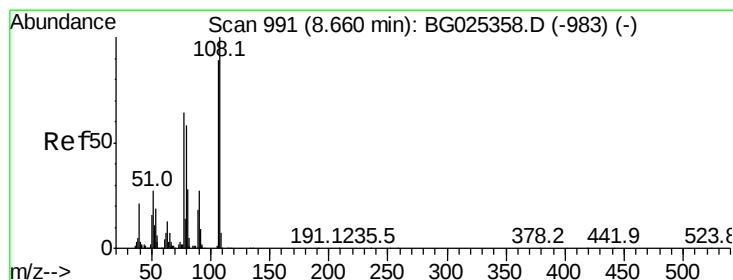
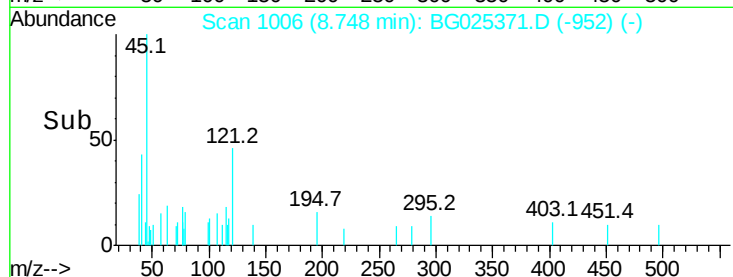
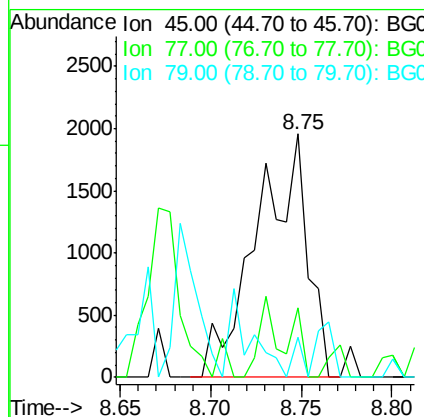
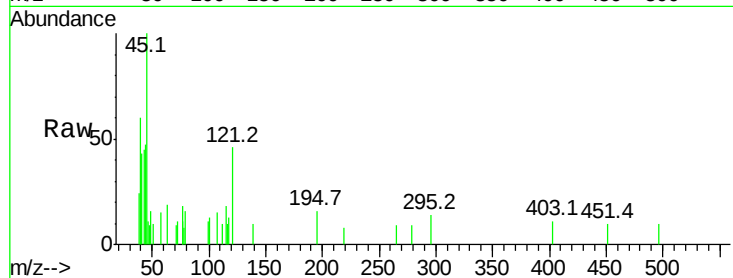
#16
2,2'-oxvbis(1-Chloropropane)
Concen: 0.65 ng
RT: 8.75 min Scan# 1006
Delta R.T. 0.02 min
Lab File: BG025371.D
Acq: 22 Dec 2016 00:00

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

Tot Ion	Ratio	Lower	Upper
45	100		
77	28.4	0.0	30.6
79	16.5	0.0	28.5

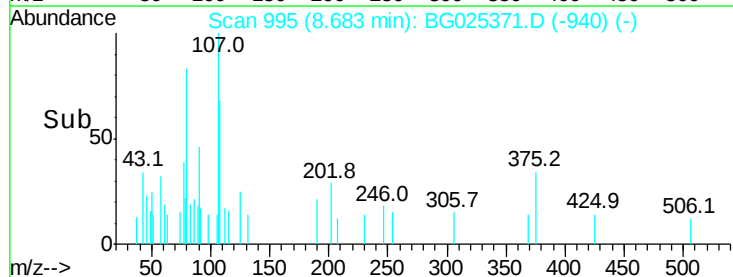
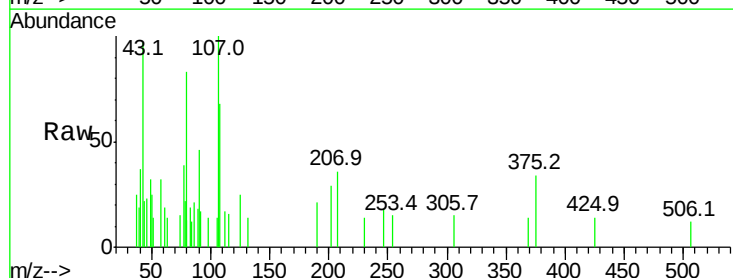
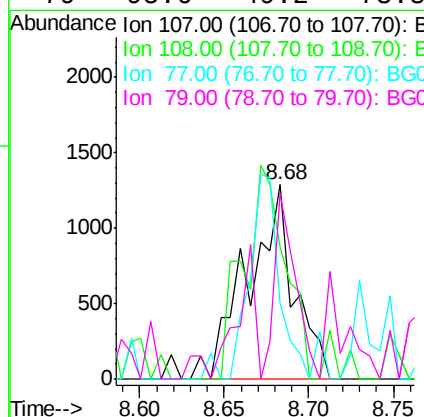
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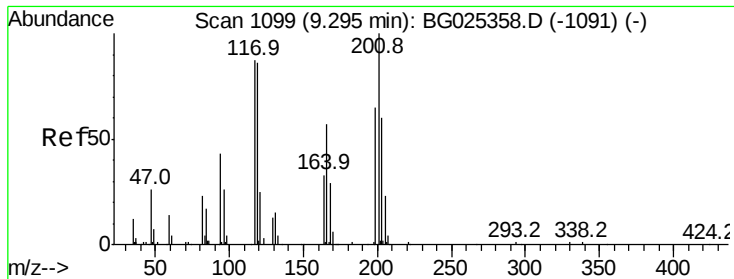
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#17
2-Methylphenol
Concen: 0.91 ng
RT: 8.68 min Scan# 995
Delta R.T. 0.02 min
Lab File: BG025371.D
Acq: 22 Dec 2016 00:00

Tgt Ion	Ratio	Lower	Upper
107	100		
108	67.8	85.6	128.4#
77	38.8	51.4	77.2#
79	95.6	49.2	73.8#





#18

Hexachloroethane

Concen: 0.57 ng

RT: 9.29 min Scan# 1099

Delta R.T. -0.00 min

Lab File: BG025371.D

Acq: 22 Dec 2016 00:00

Instrument :

BNA_G

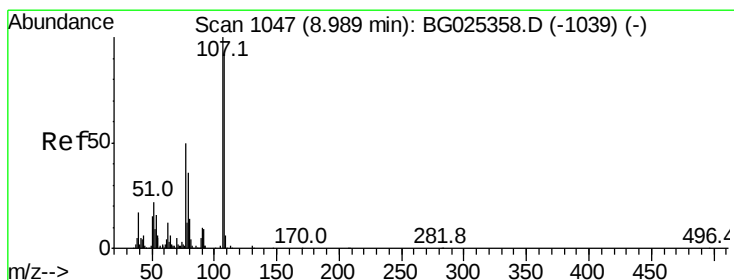
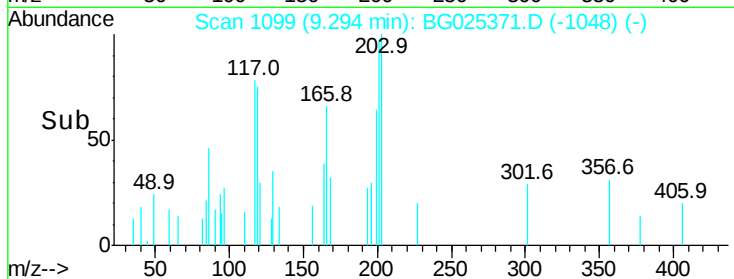
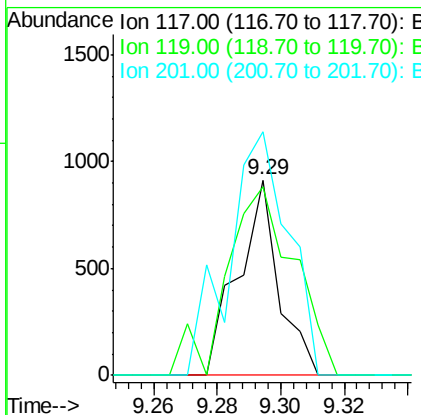
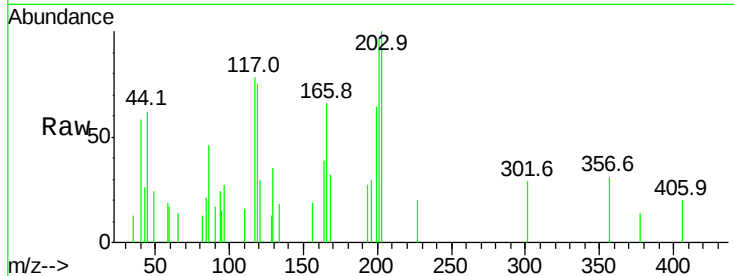
ClientSampleId :

LOD-SOIL-01-QT1-2017

Tot Ion:	117	Resp:	810
Ion Ratio	Lower	Upper	
117	100		
119	96.3	69.8	104.6
201	124.5	95.4	143.0

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#20

3+4-Methylphenols

Concen: 0.81 ng

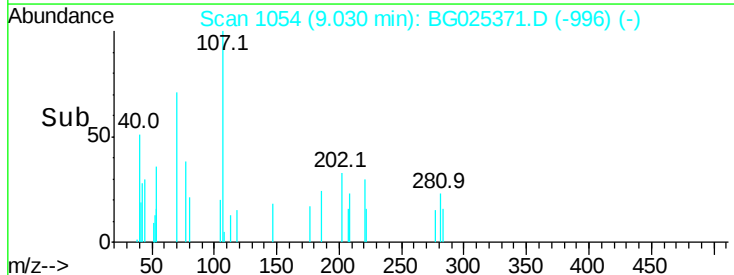
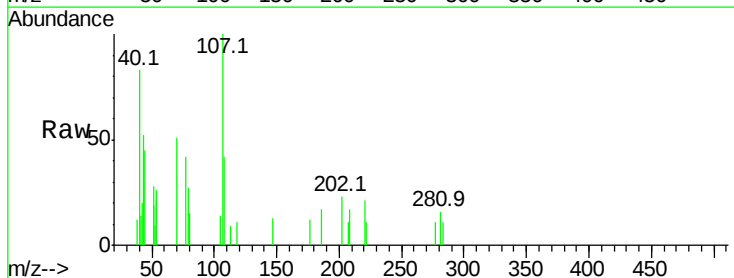
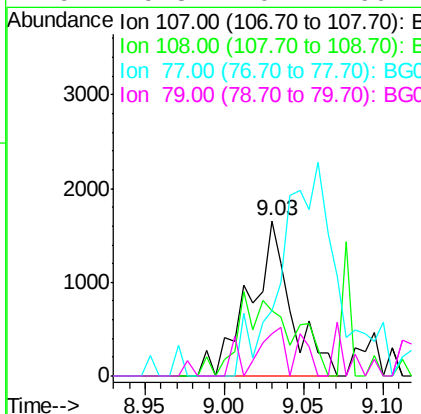
RT: 9.03 min Scan# 1054

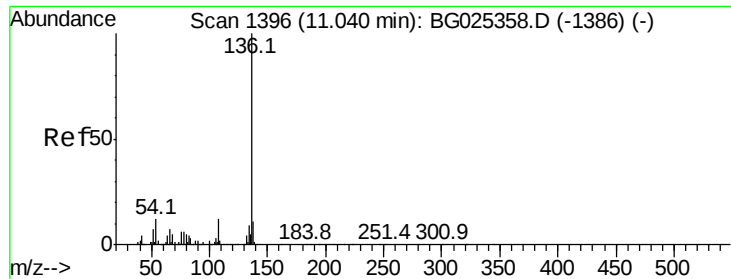
Delta R.T. 0.04 min

Lab File: BG025371.D

Acq: 22 Dec 2016 00:00

Tgt Ion:	107	Resp:	3031
Ion Ratio	Lower	Upper	
107	100		
108	41.9	70.8	110.8#
77	42.3	25.8	65.8
79	26.8	20.1	60.1





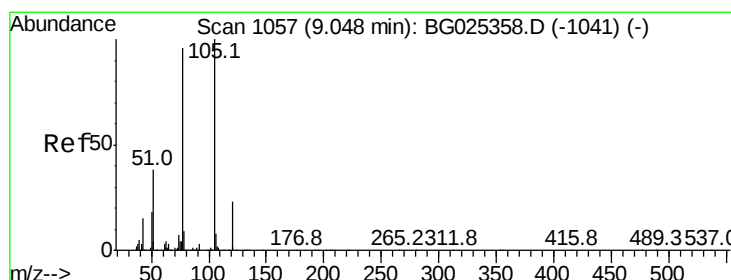
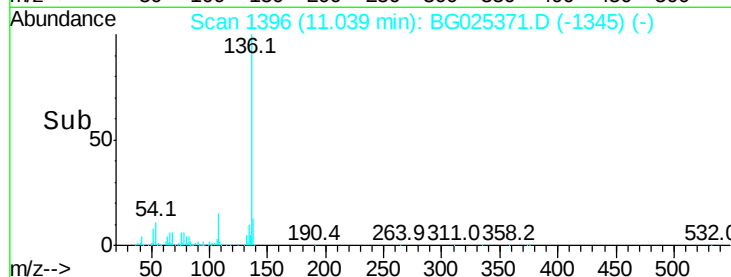
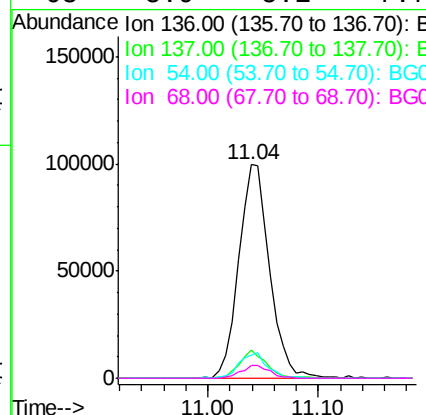
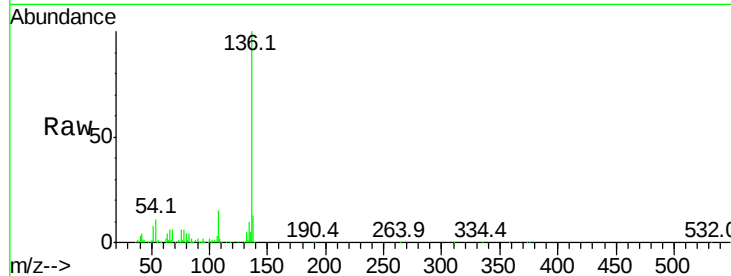
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.04 min Scan# 1396
Delta R.T. -0.00 min
Lab File: BG025371.D
Acq: 22 Dec 2016 00:00

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

Tot Ion	Ratio	Resp	Lower	Upper
136	100	195304		
137	13.1	8.9	13.3	
54	10.5	9.3	13.9	
68	5.9	5.1	7.7	

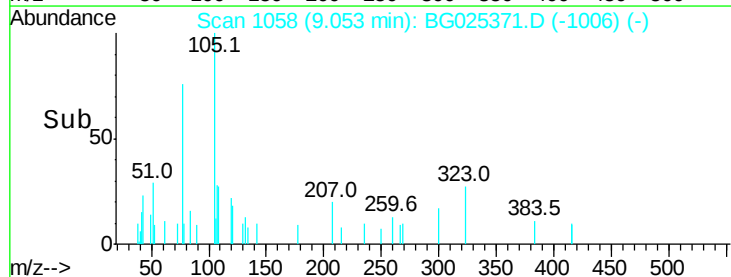
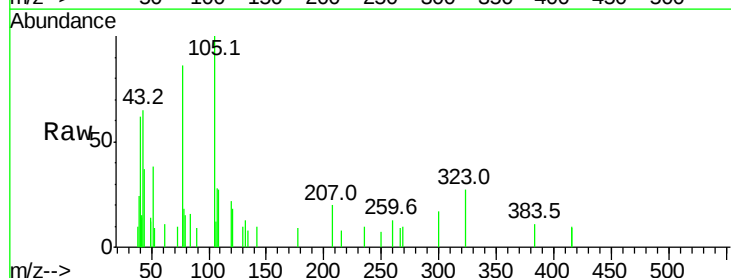
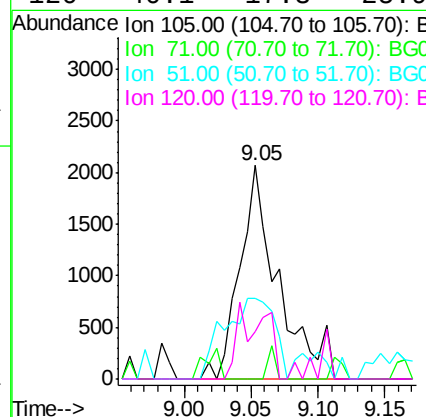
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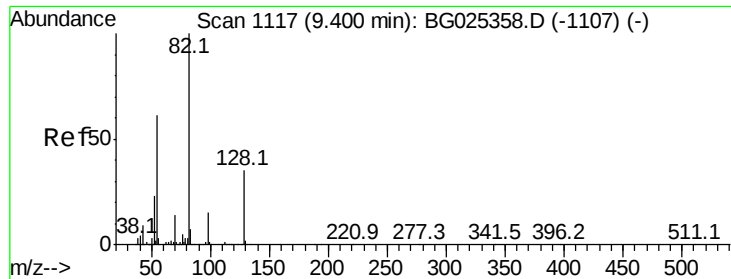
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#22
Acetophenone
Concen: 0.76 ng
RT: 9.05 min Scan# 1058
Delta R.T. 0.01 min
Lab File: BG025371.D
Acq: 22 Dec 2016 00:00

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	4104		
71	0.0	0.9	1.3#	
51	37.8	34.0	51.0	
120	40.1	17.3	25.9#	





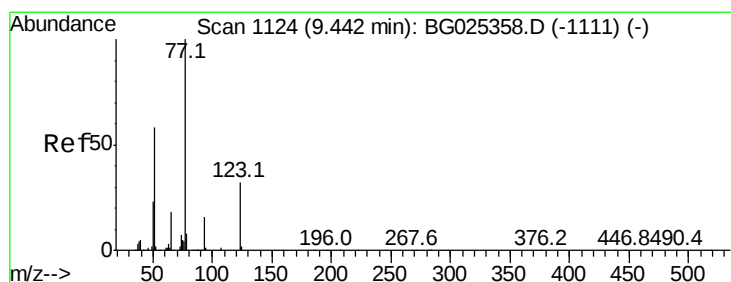
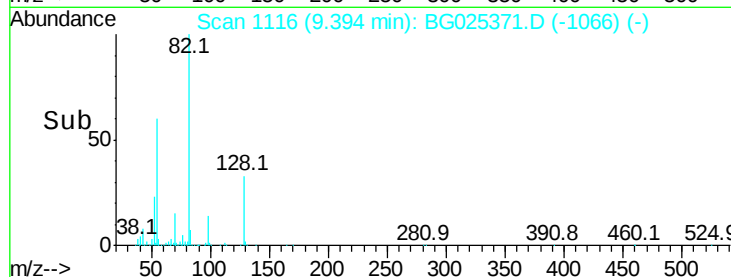
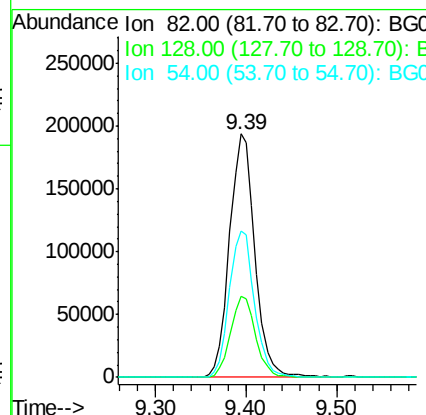
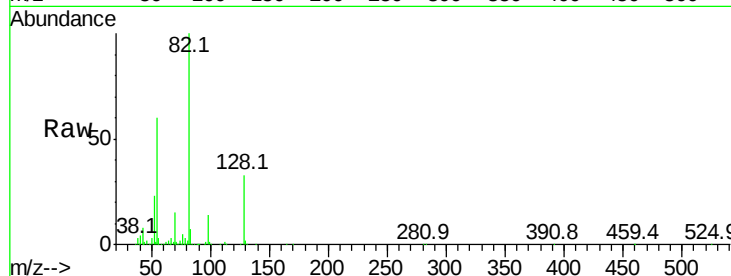
#23
Nitrobenzene-d5
Concen: 85.22 ng
RT: 9.39 min Scan# 1116
Delta R.T. -0.01 min
Lab File: BG025371.D
Acq: 22 Dec 2016 00:00

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

Tot Ion	Ratio	Lower	Upper
82	100		
128	33.3	26.4	39.6
54	60.3	49.4	74.2

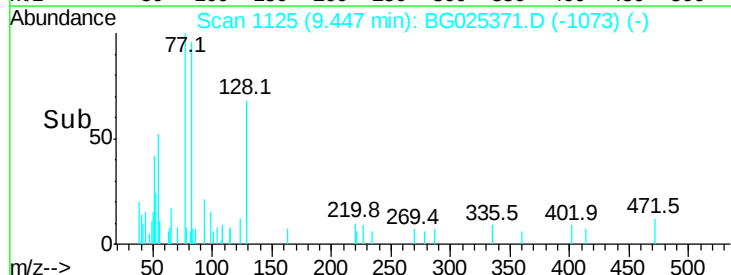
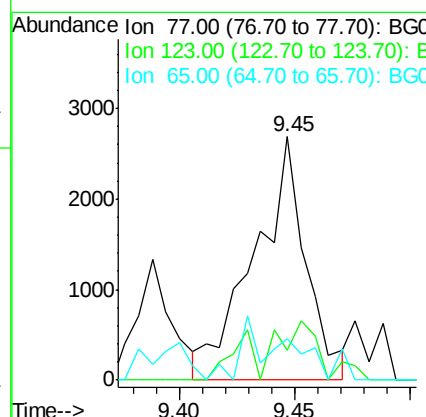
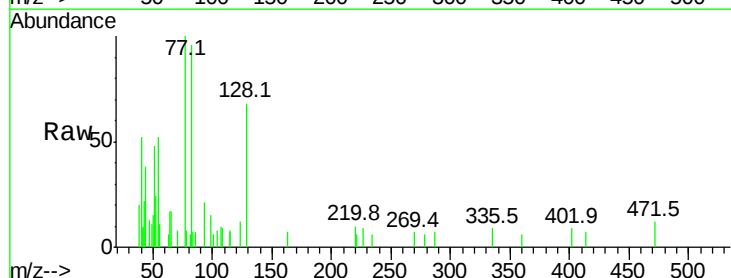
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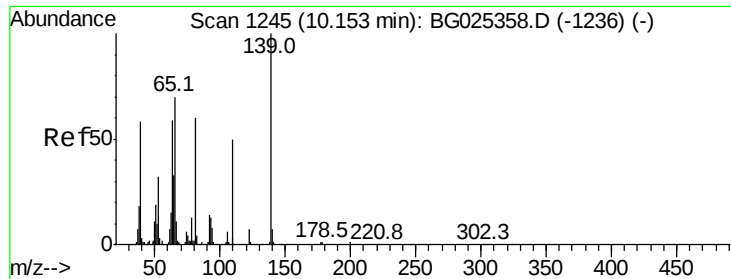
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#24
Nitrobenzene
Concen: 0.86 ng
RT: 9.45 min Scan# 1125
Delta R.T. 0.01 min
Lab File: BG025371.D
Acq: 22 Dec 2016 00:00

Tgt Ion	Ratio	Lower	Upper
77	100		
123	12.2	26.1	39.1#
65	16.9	12.4	18.6





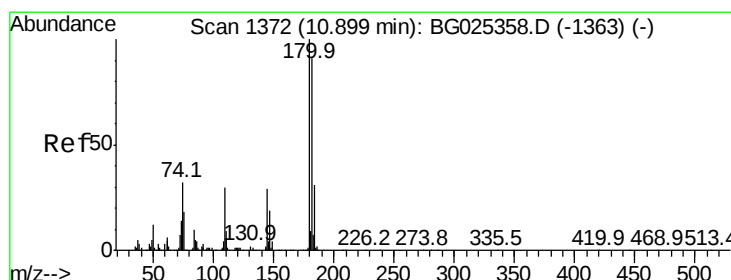
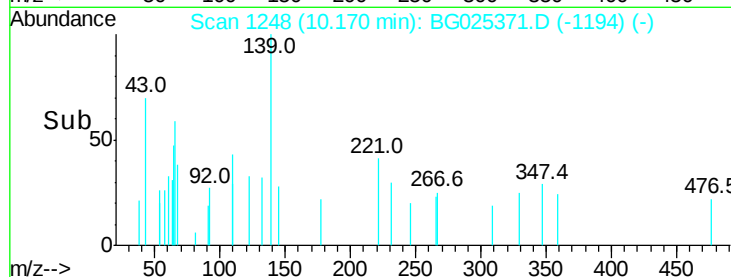
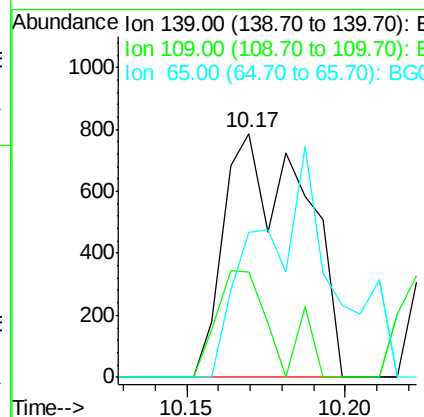
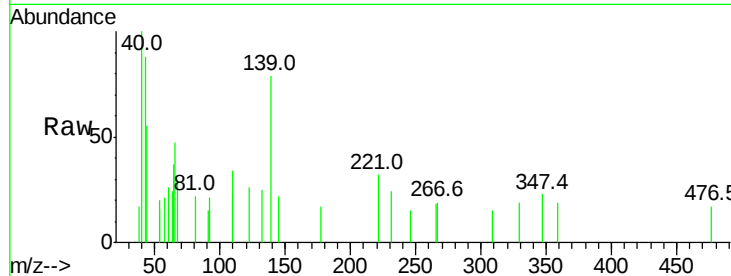
#26
2-Nitrophenol
Concen: 0.75 ng
RT: 10.17 min Scan# 1248
Delta R.T. 0.02 min
Lab File: BG025371.D
Acq: 22 Dec 2016 00:00

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

Tot Ion	Ratio	Lower	Upper
139	100		
109	43.3	38.6	58.0
65	59.3	57.1	85.7

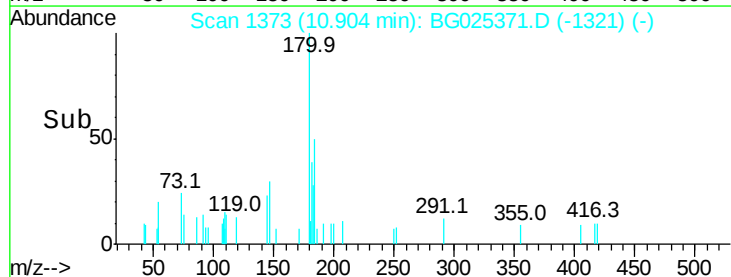
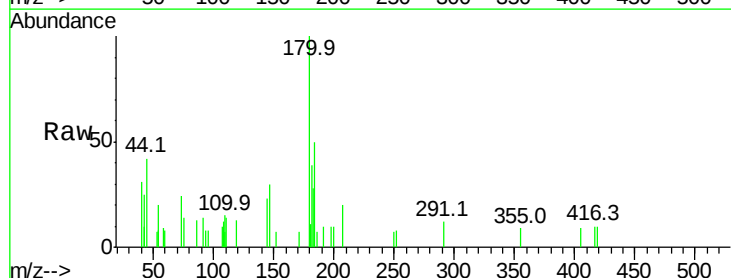
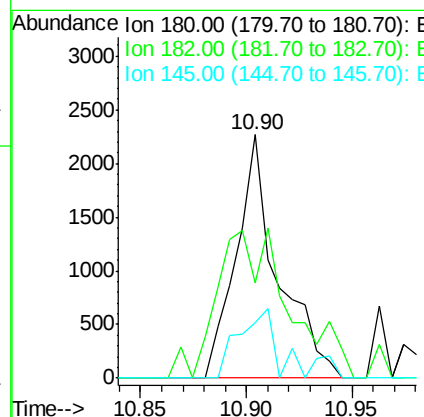
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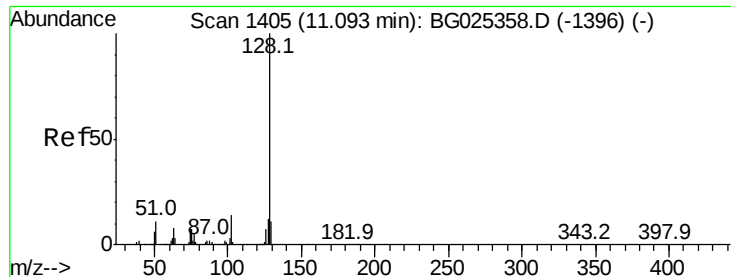
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#30
1,2,4-Trichlorobenzene
Concen: 0.79 ng
RT: 10.90 min Scan# 1373
Delta R.T. 0.01 min
Lab File: BG025371.D
Acq: 22 Dec 2016 00:00

Tgt Ion	Ratio	Lower	Upper
180	100		
182	39.0	77.0	115.4#
145	22.8	23.4	35.0#





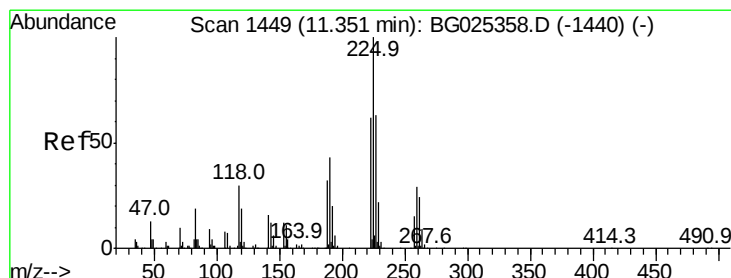
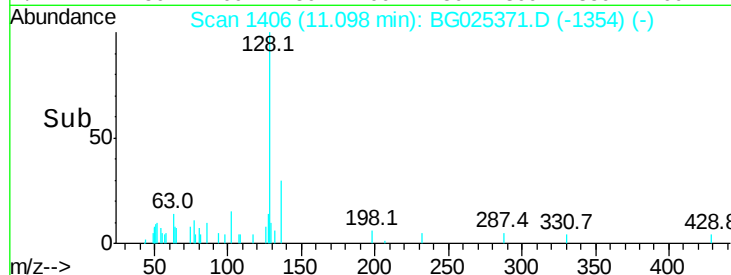
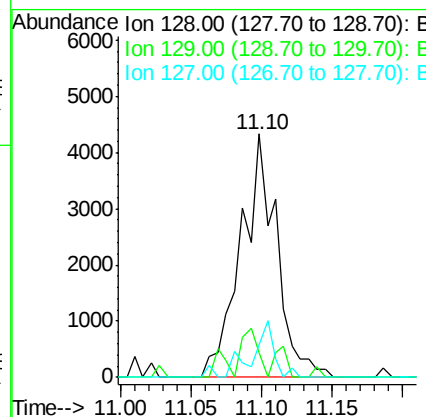
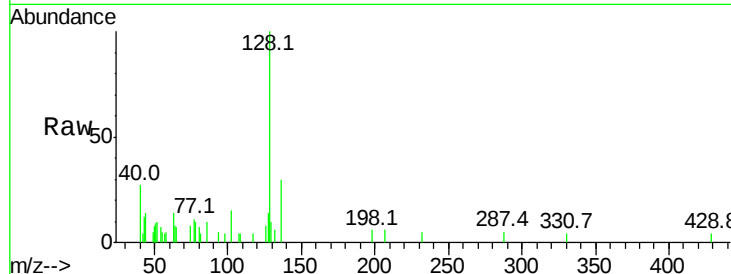
#31
Naphthalene
Concen: 0.79 ng
RT: 11.10 min Scan# 1406
Delta R.T. 0.01 min
Lab File: BG025371.D
Acq: 22 Dec 2016 00:00

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

Tot Ion	Ratio	Lower	Upper
128	100		
129	10.2	9.3	13.9
127	13.6	11.4	17.0

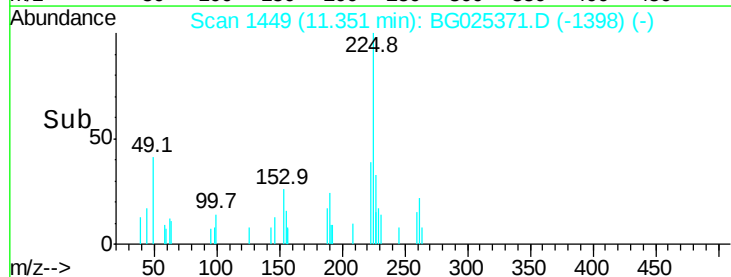
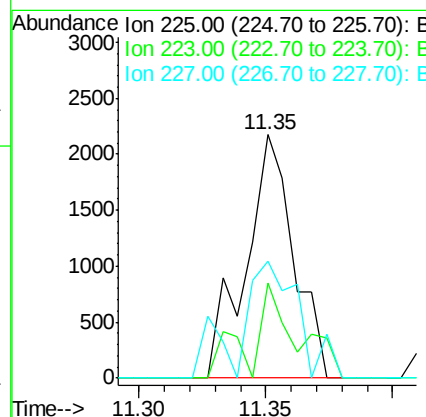
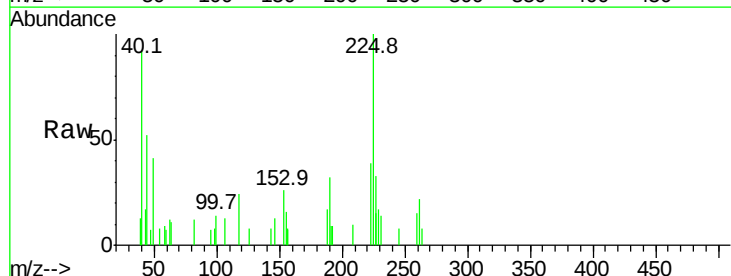
Manual Integrations
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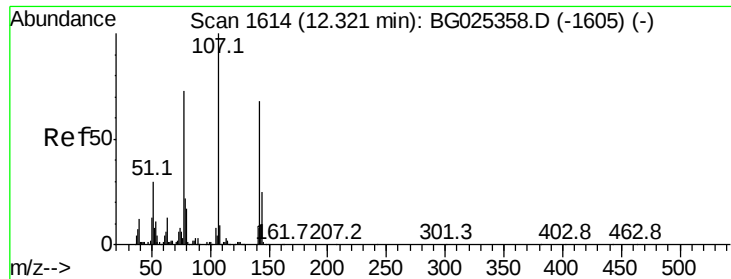
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#34
Hexachlorobutadiene
Concen: 0.90 ng
RT: 11.35 min Scan# 1449
Delta R.T. -0.00 min
Lab File: BG025371.D
Acq: 22 Dec 2016 00:00

Tgt Ion	Ratio	Lower	Upper
225	100		
223	39.2	50.7	76.1#
227	47.9	49.0	73.6#





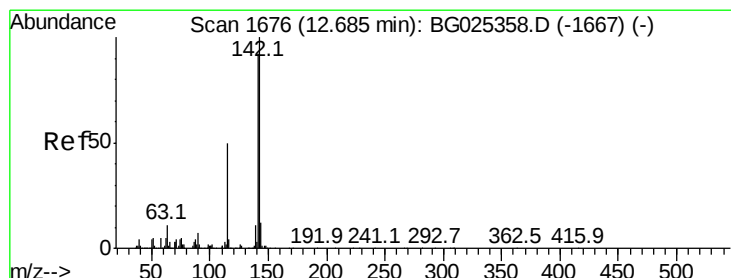
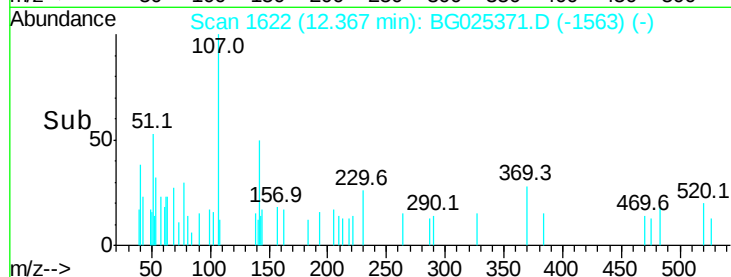
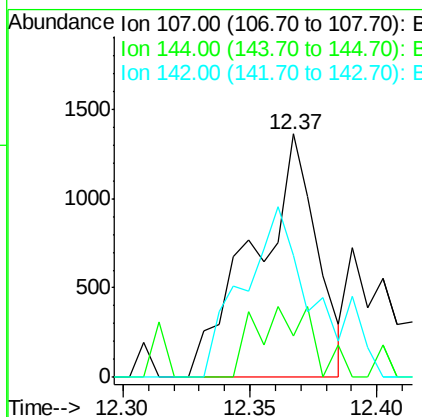
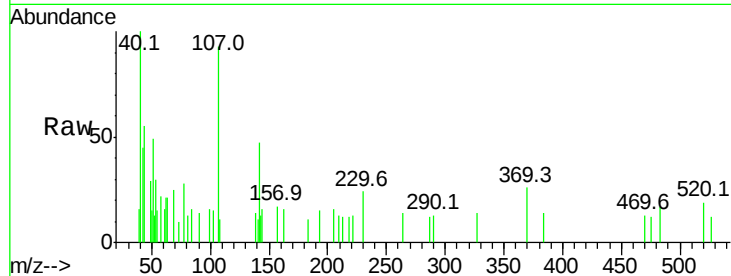
#36
4-Chloro-3-methylphenol
Concen: 0.58 ng
RT: 12.37 min Scan# 1622
Delta R.T. 0.05 min
Lab File: BG025371.D
Acq: 22 Dec 2016 00:00

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

Tot Ion	Ratio	Lower	Upper
107	100		
144	16.8	17.4	26.0#
142	50.0	54.1	81.1#

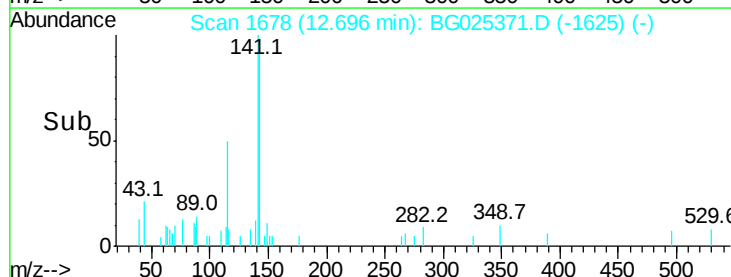
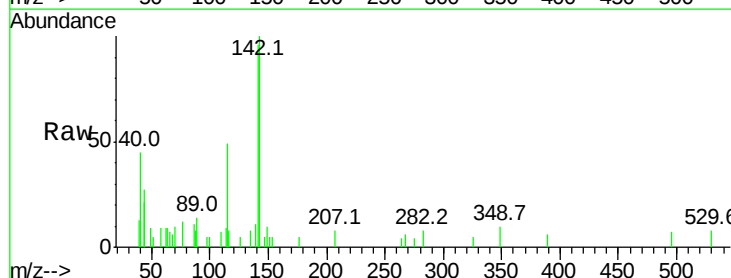
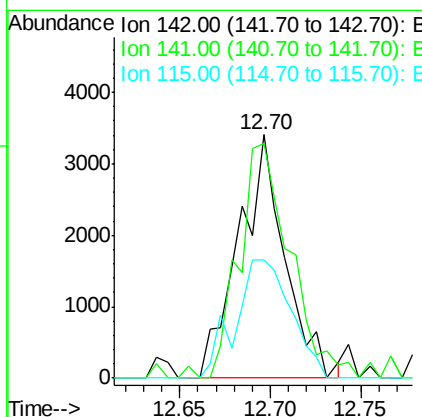
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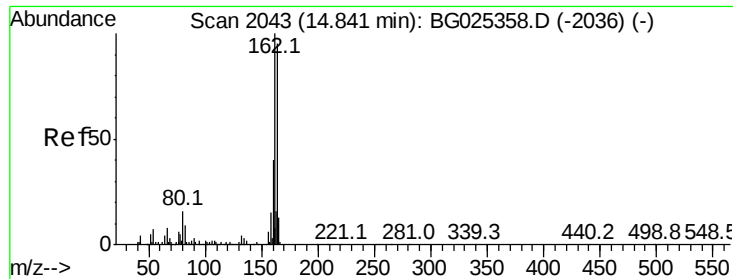
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#37
2-Methylnaphthalene
Concen: 0.84 ng
RT: 12.70 min Scan# 1678
Delta R.T. 0.01 min
Lab File: BG025371.D
Acq: 22 Dec 2016 00:00

Tgt Ion	Ratio	Lower	Upper
142	100		
141	96.3	70.4	105.6
115	48.6	35.5	53.3





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.84 min Scan# 2043

Delta R.T. -0.00 min

Lab File: BG025371.D

Acq: 22 Dec 2016 00:00

Instrument :

BNA_G

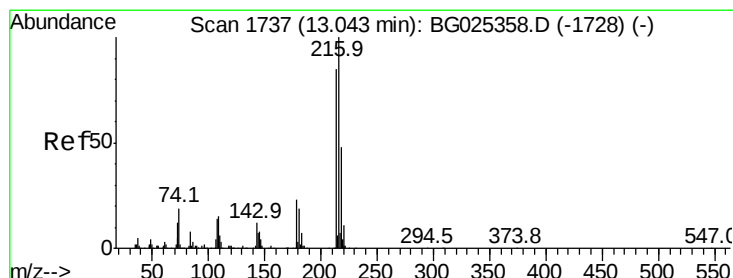
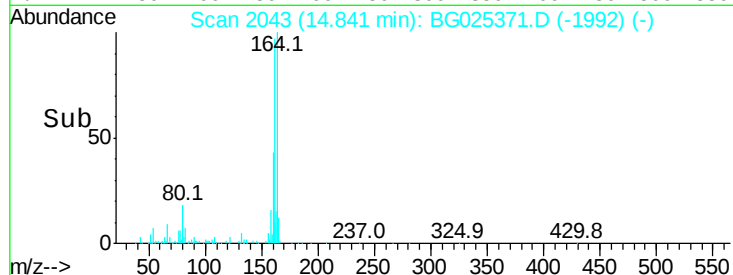
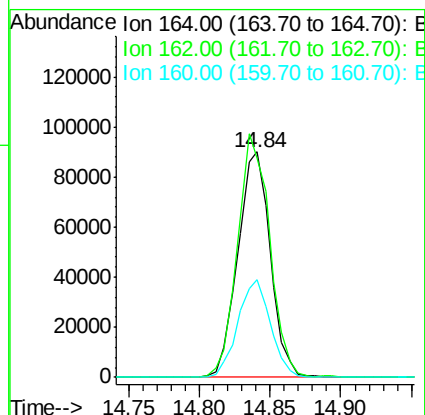
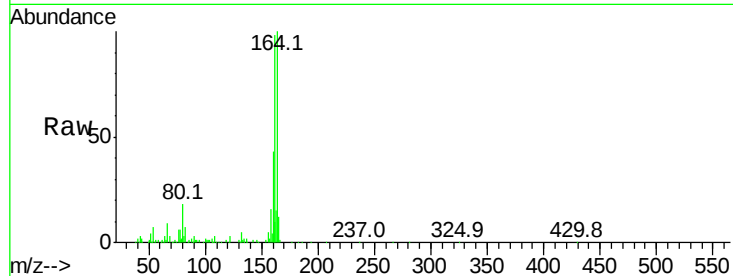
ClientSampleId :

LOD-SOIL-01-QT1-2017

Tot Ion:	164	Resp:	144682
Ion Ratio	Lower	Upper	
164	100		
162	97.6	85.1	127.7
160	43.1	34.7	52.1

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#39

1,2,4,5-Tetrachlorobenzene

Concen: 0.98 ng

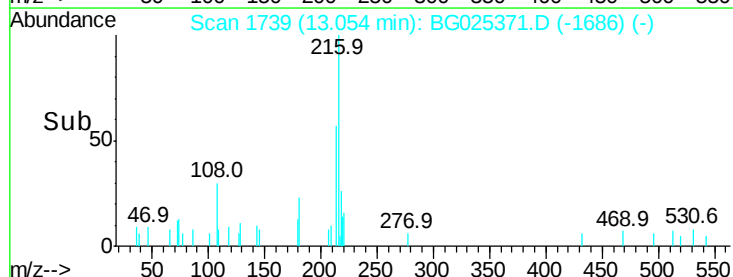
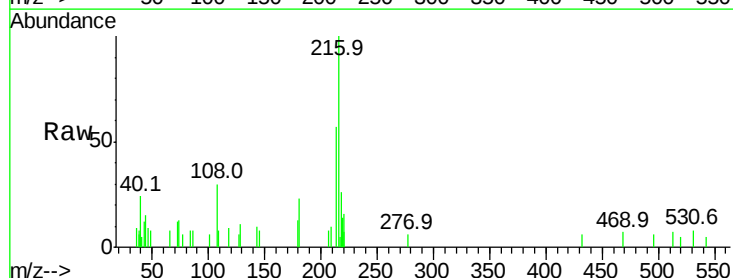
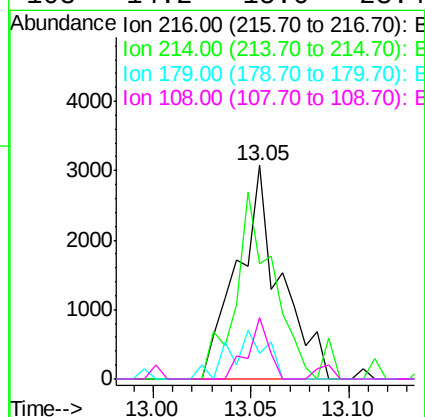
RT: 13.05 min Scan# 1739

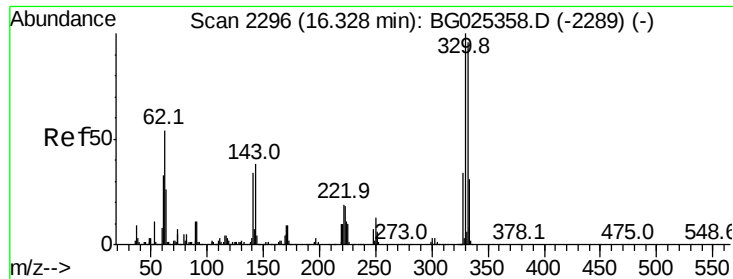
Delta R.T. 0.01 min

Lab File: BG025371.D

Acq: 22 Dec 2016 00:00

Tgt Ion:	216	Resp:	4667
Ion Ratio	Lower	Upper	
216	100		
214	76.1	64.4	96.6
179	19.4	17.4	26.0
108	14.2	15.6	23.4#





#41

2,4,6-Tribromophenol

Concen: 138.78 ng

RT: 16.33 min Scan# 2296

Delta R.T. -0.00 min

Lab File: BG025371.D

Acq: 22 Dec 2016 00:00

Instrument :

BNA_G

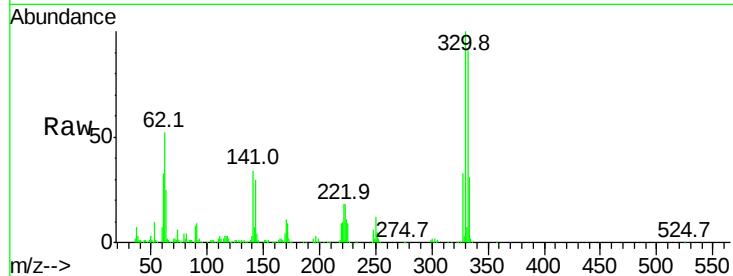
ClientSampleId :

LOD-SOIL-01-QT1-2017

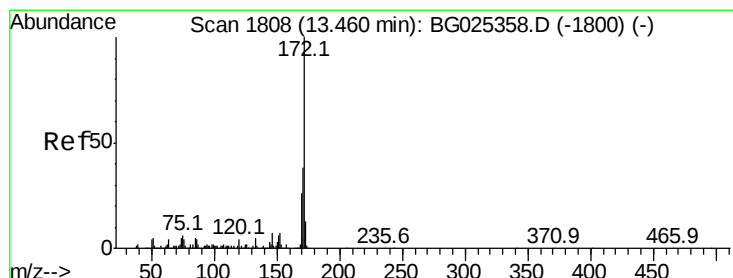
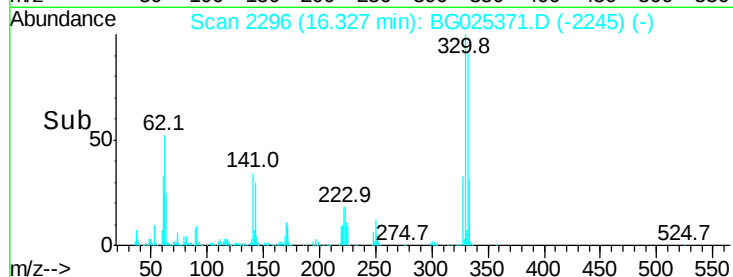
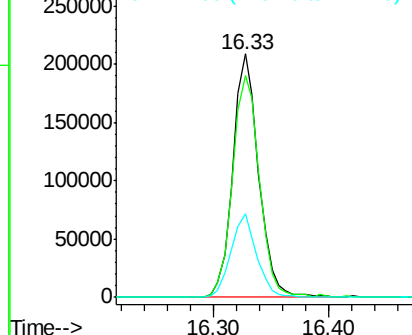
Tot Ion:	330	Resp:	323254
Ion Ratio	Lower	Upper	
330	100		
332	95.1	77.3	115.9
141	33.9	32.1	48.1

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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: 92.37 ng

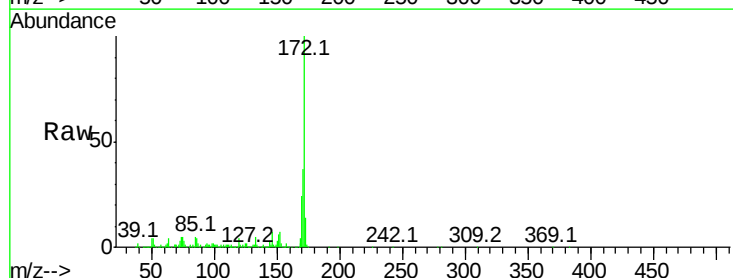
RT: 13.46 min Scan# 1808

Delta R.T. -0.00 min

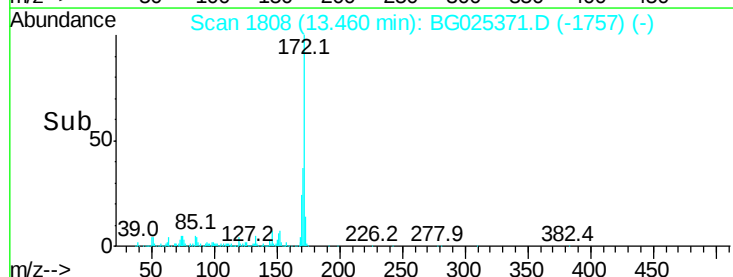
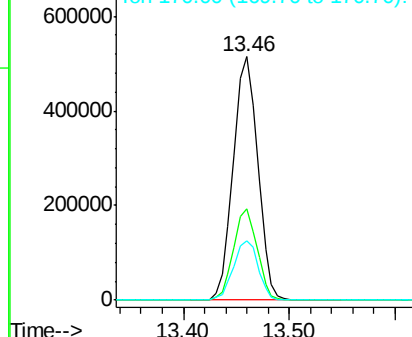
Lab File: BG025371.D

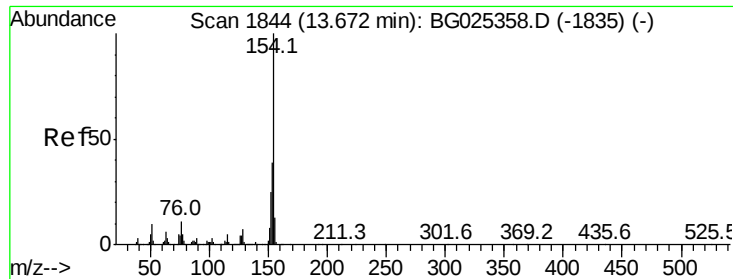
Acq: 22 Dec 2016 00:00

Tgt Ion:	172	Resp:	825503
Ion Ratio	Lower	Upper	
172	100		
171	37.4	32.2	48.2
170	24.2	21.8	32.6



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





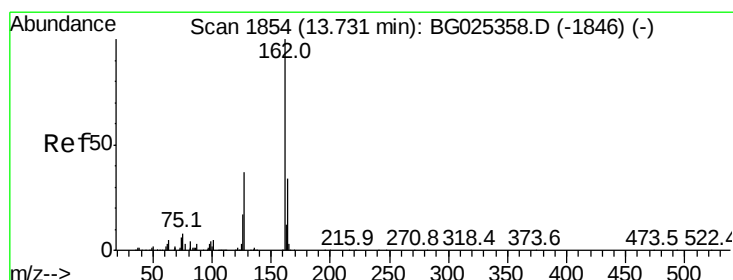
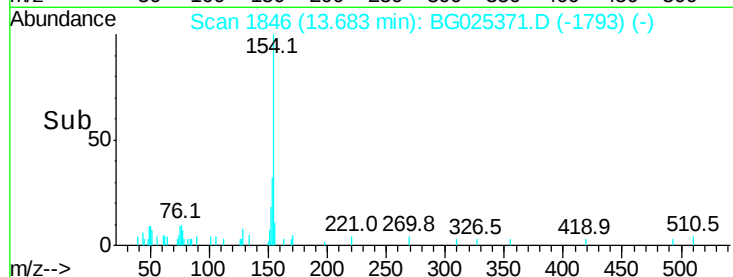
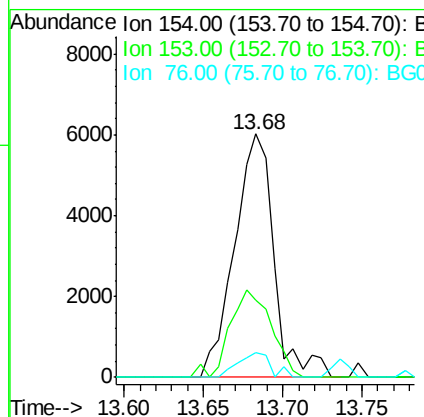
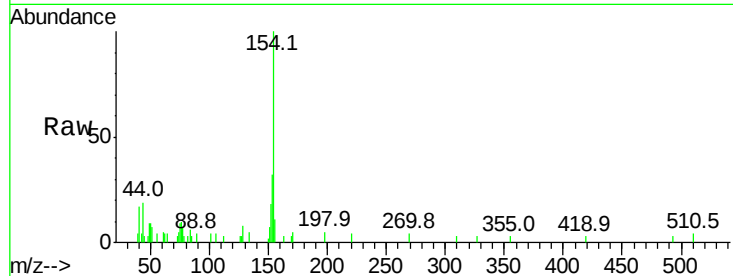
#45
 1,1'-Biphenyl
 Concen: 1.06 ng
 RT: 13.68 min Scan# 1846
 Delta R.T. 0.01 min
 Lab File: BG025371.D
 Acq: 22 Dec 2016 00:00

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

Tot Ion	Ratio	Lower	Upper
154	100		
153	31.7	23.0	63.0
76	9.9	0.0	33.5

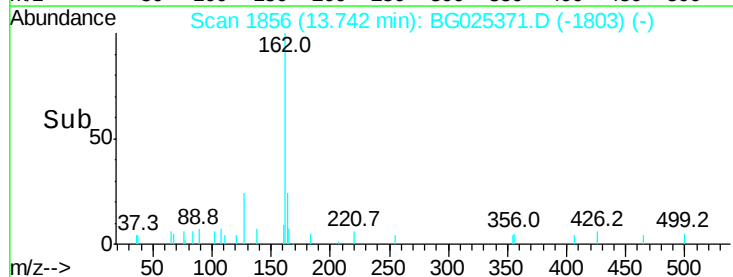
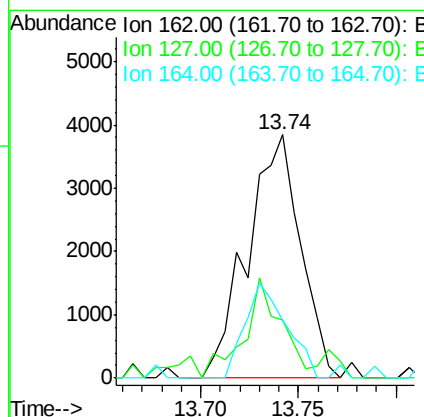
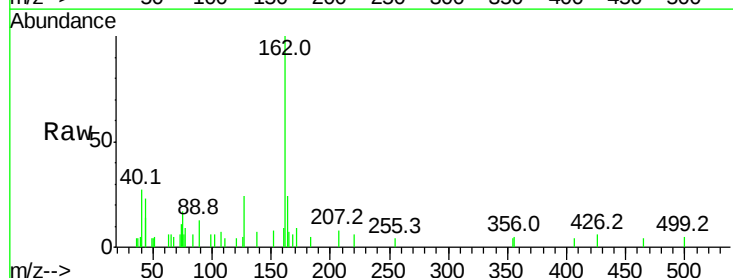
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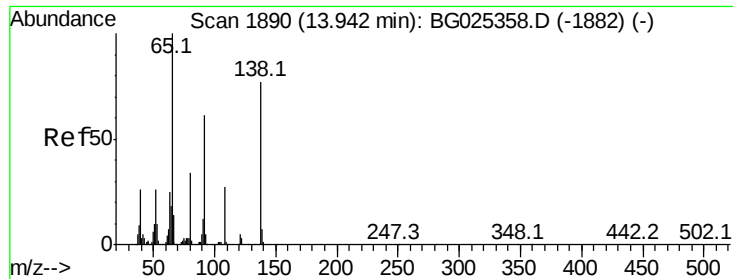
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#46
 2-Chloronaphthalene
 Concen: 0.95 ng
 RT: 13.74 min Scan# 1856
 Delta R.T. 0.01 min
 Lab File: BG025371.D
 Acq: 22 Dec 2016 00:00

Tgt Ion	Ratio	Lower	Upper
162	100		
127	23.7	32.2	48.4#
164	23.6	27.3	40.9#





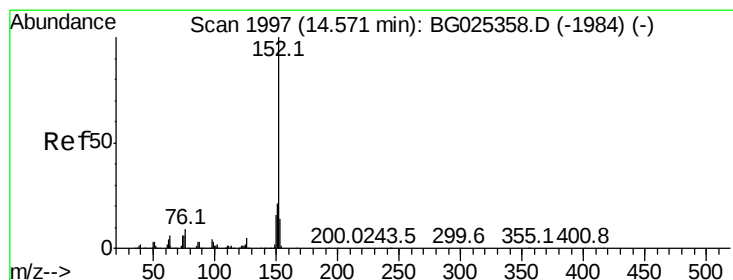
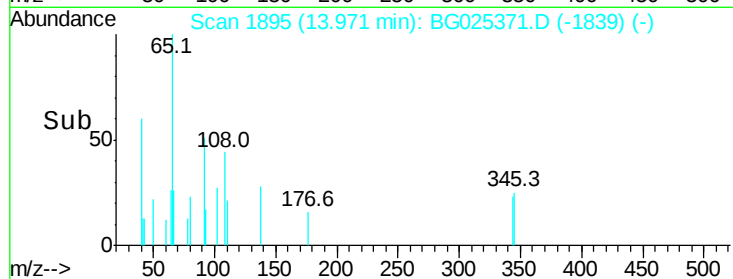
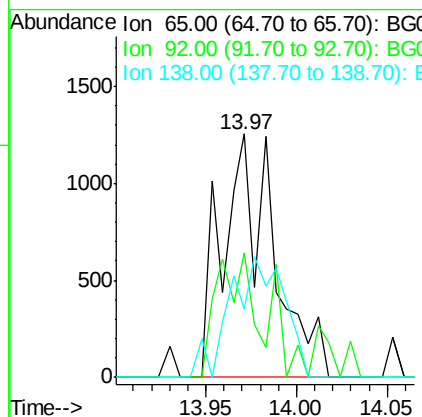
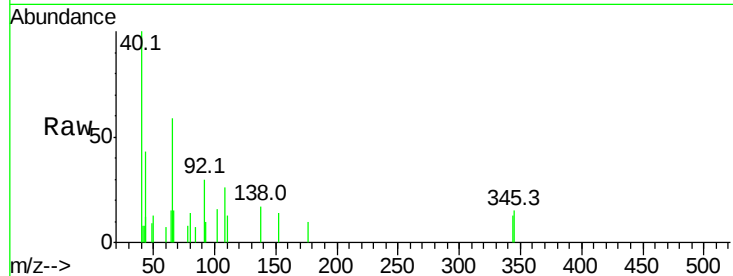
#47
2-Nitroaniline
Concen: 0.77 ng
RT: 13.97 min Scan# 1895
Delta R.T. 0.03 min
Lab File: BG025371.D
Acq: 22 Dec 2016 00:00

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

Tot Ion	Ratio	Lower	Upper
65	100		
92	51.0	49.0	73.4
138	27.9	58.6	87.8#

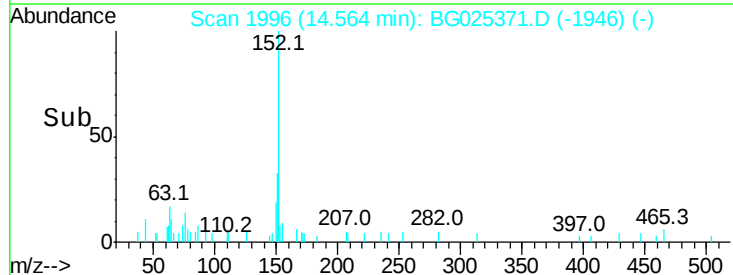
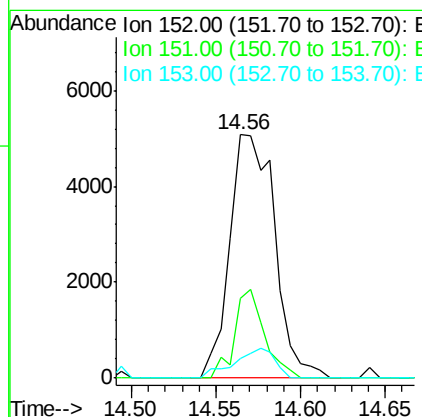
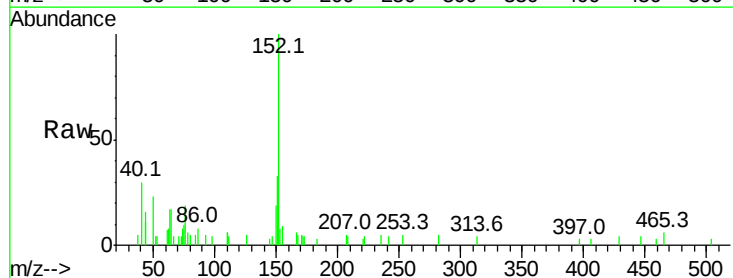
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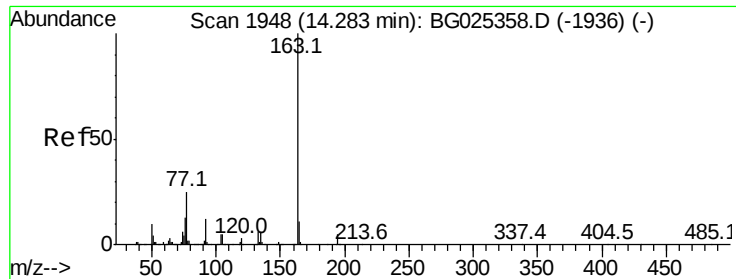
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#48
Acenaphthylene
Concen: 0.80 ng
RT: 14.56 min Scan# 1996
Delta R.T. -0.01 min
Lab File: BG025371.D
Acq: 22 Dec 2016 00:00

Tgt Ion	Ratio	Lower	Upper
152	100		
151	32.5	18.2	27.2#
153	8.2	11.3	16.9#





#49

Dimethylphthalate

Concen: 0.72 ng

RT: 14.29 min Scan# 1950

Delta R.T. 0.01 min

Lab File: BG025371.D

Acq: 22 Dec 2016 00:00

Instrument :

BNA_G

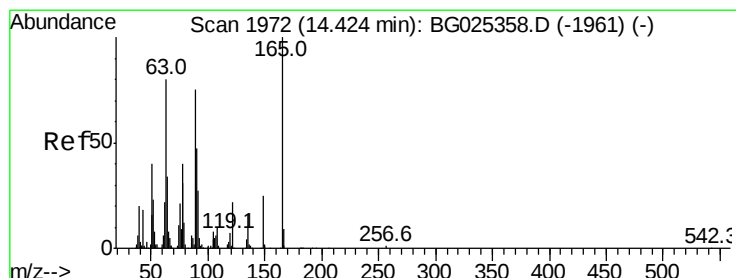
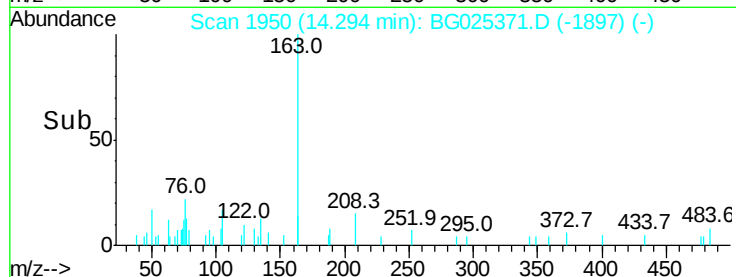
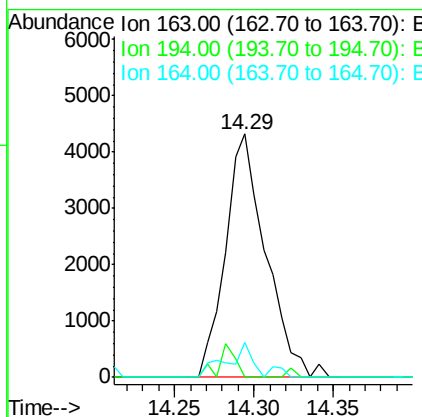
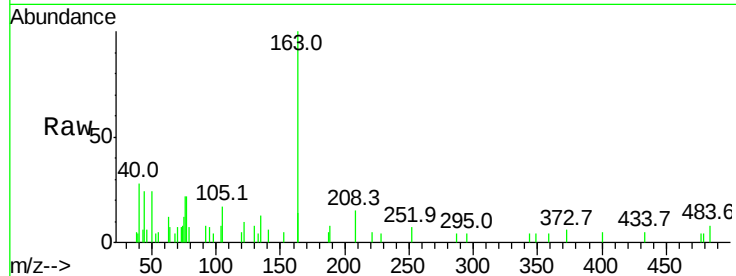
ClientSampleId :

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Tot Ion:	163	Resp:	7623
Ion Ratio	Lower	Upper	
163	100		
194	0.0	3.8	5.6#
164	14.3	9.3	13.9#

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#50

2,6-Dinitrotoluene

Concen: 0.61 ng

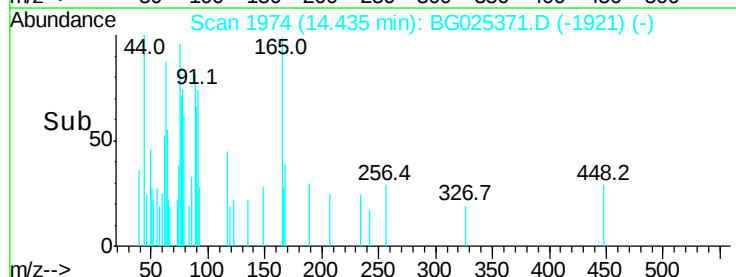
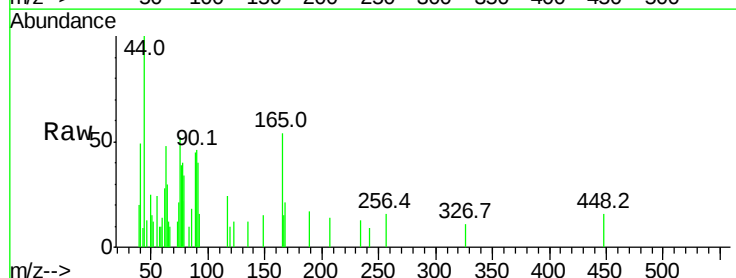
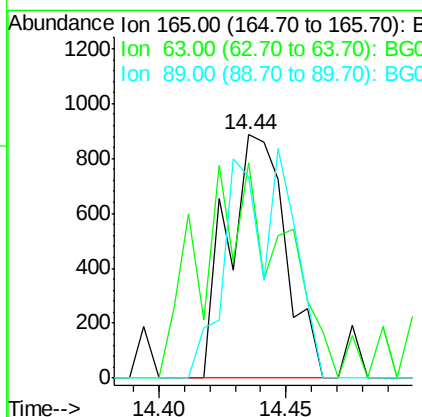
RT: 14.44 min Scan# 1974

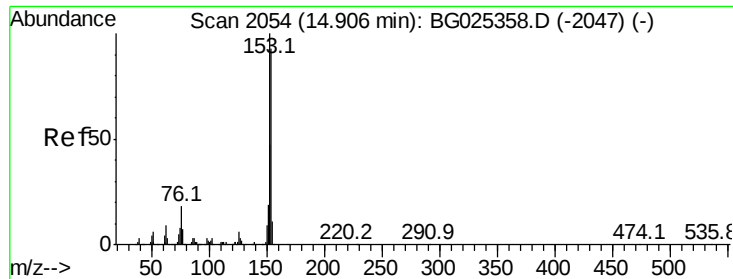
Delta R.T. 0.01 min

Lab File: BG025371.D

Acq: 22 Dec 2016 00:00

Tgt Ion:	165	Resp:	1407
Ion Ratio	Lower	Upper	
165	100		
63	88.3	63.9	95.9
89	82.8	58.6	88.0





#51

Acenaphthene

Concen: 0.94 ng

RT: 14.91 min Scan# 2055

Delta R.T. 0.01 min

Lab File: BG025371.D

Acq: 22 Dec 2016 00:00

Instrument :

BNA_G

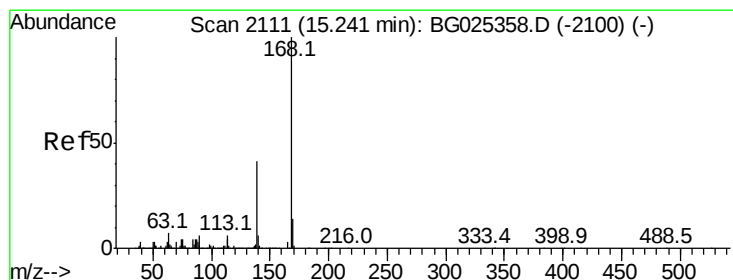
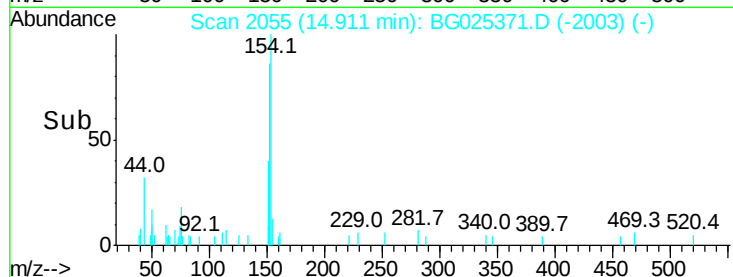
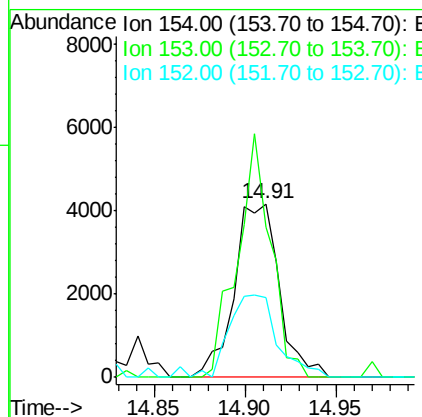
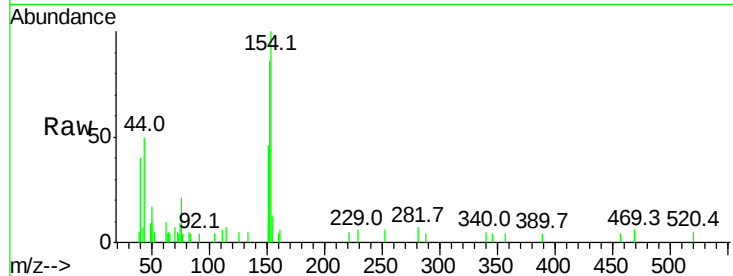
ClientSampleId :

LOD-SOIL-01-QT1-2017

Tot Ion:	154	Resp:	7209
Ion Ratio	Lower	Upper	
154	100		
153	86.5	87.8	131.6#
152	46.2	42.2	63.4

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#54

Dibenzofuran

Concen: 0.80 ng

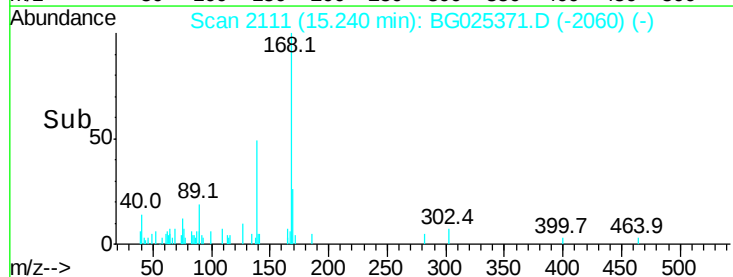
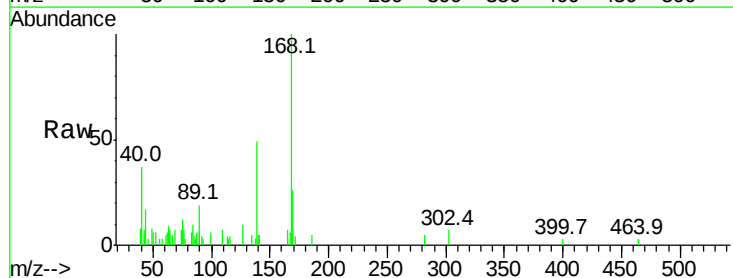
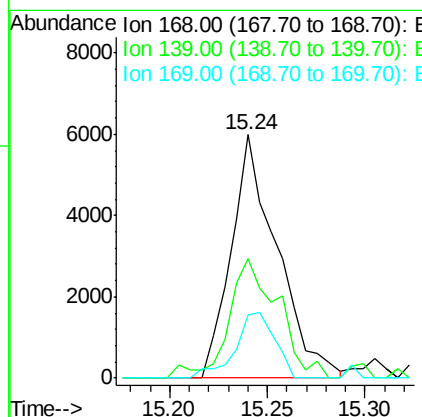
RT: 15.24 min Scan# 2111

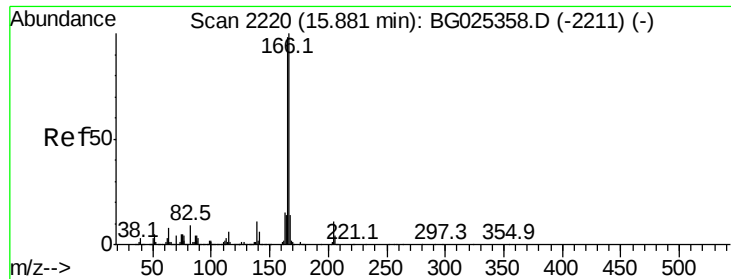
Delta R.T. -0.00 min

Lab File: BG025371.D

Acq: 22 Dec 2016 00:00

Tgt Ion:	168	Resp:	9755
Ion Ratio	Lower	Upper	
168	100		
139	49.3	35.3	52.9
169	26.0	11.5	17.3#





#57

Fluorene

Concen: 0.92 ng

RT: 15.89 min Scan# 2222

Delta R.T. 0.01 min

Lab File: BG025371.D

Acq: 22 Dec 2016 00:00

Instrument :

BNA_G

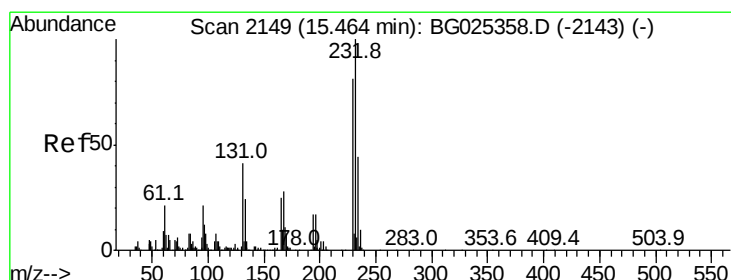
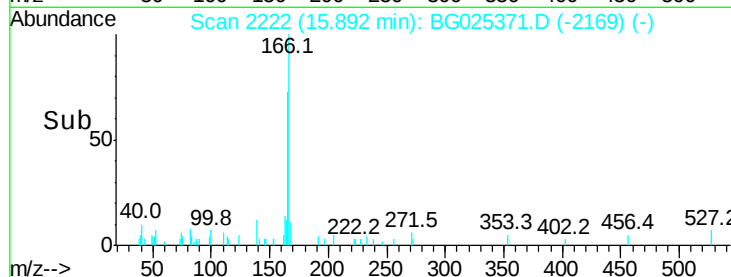
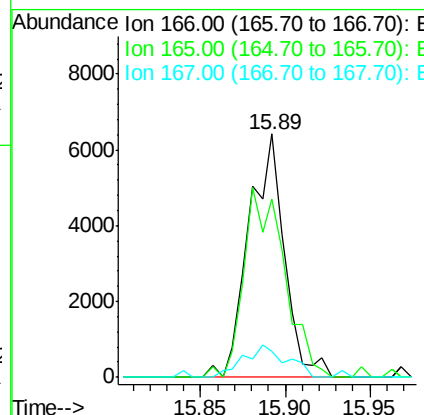
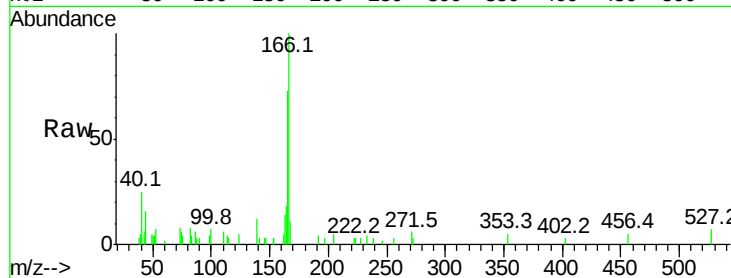
ClientSampleId :

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Tot Ion:	166	Resp:	9360
Ion Ratio	Lower	Upper	
166	100		
165	73.2	78.6	117.8#
167	10.5	11.6	17.4#

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#58

2,3,4,6-Tetrachlorophenol

Concen: 0.71 ng

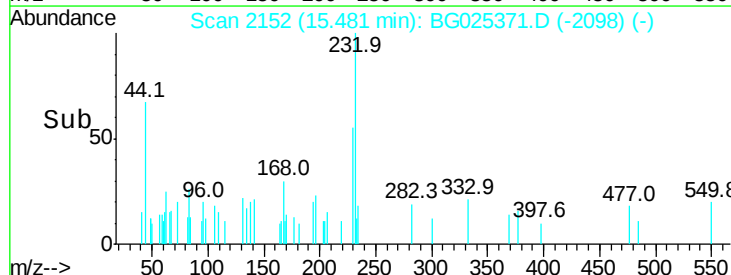
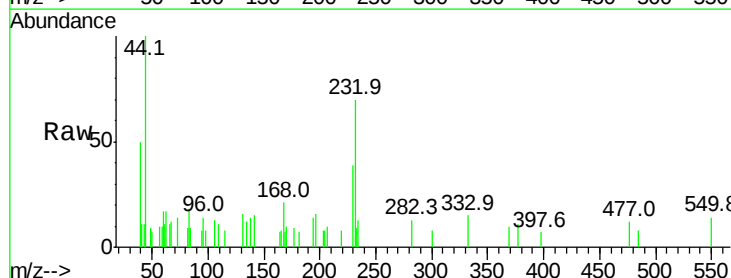
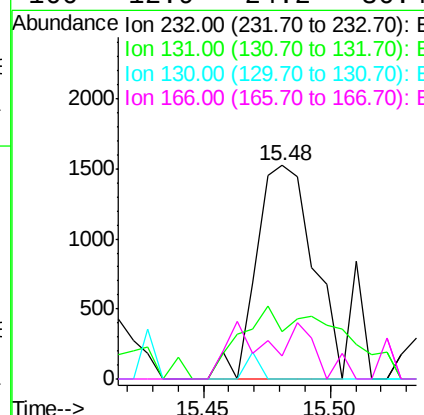
RT: 15.48 min Scan# 2152

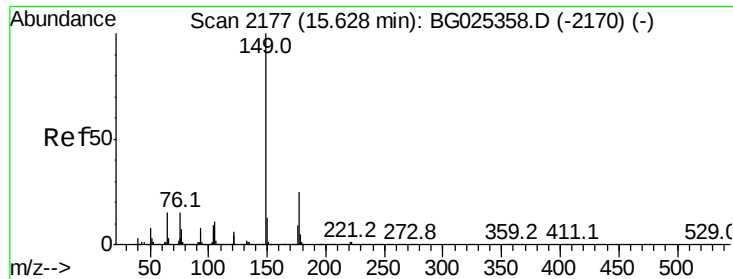
Delta R.T. 0.02 min

Lab File: BG025371.D

Acq: 22 Dec 2016 00:00

Tgt Ion:	232	Resp:	2384
Ion Ratio	Lower	Upper	
232	100		
131	25.4	34.9	52.3#
130	0.0	2.3	3.5#
166	12.9	24.2	36.4#





#59

Diethylphthalate

Concen: 0.84 ng

RT: 15.63 min Scan# 2177

Delta R.T. -0.00 min

Lab File: BG025371.D

Acq: 22 Dec 2016 00:00

Instrument :

BNA_G

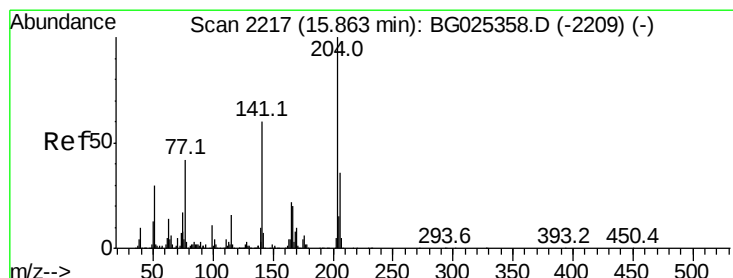
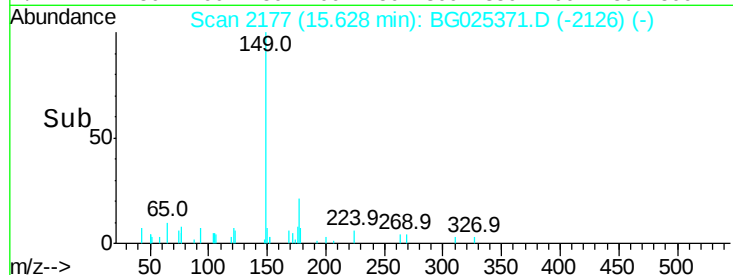
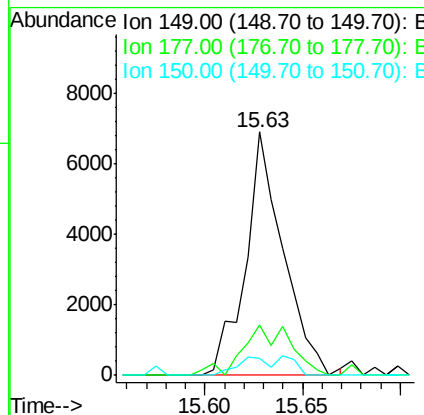
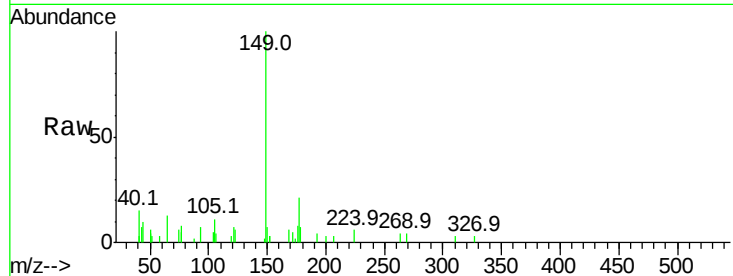
ClientSampleId :

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Tot Ion:	149	Resp:	9248
Ion Ratio	Lower	Upper	
149	100		
177	20.6	20.1	30.1
150	7.0	10.2	15.2#

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#60

4-Chlorophenyl-phenylether

Concen: 0.95 ng

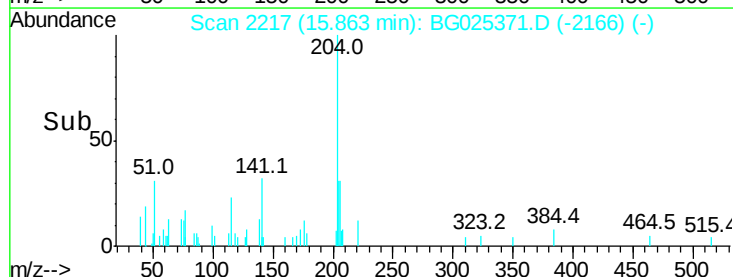
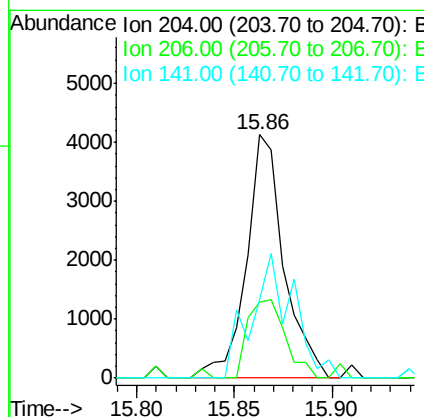
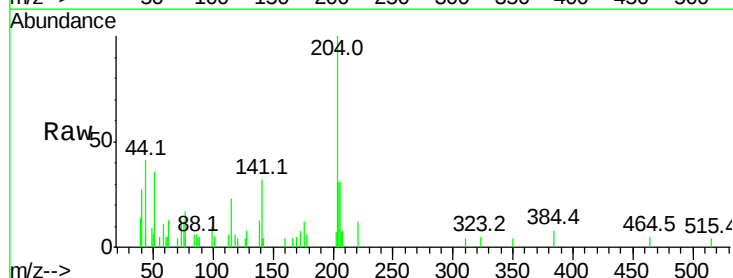
RT: 15.86 min Scan# 2217

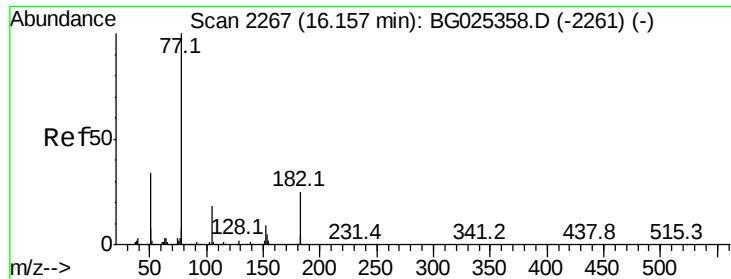
Delta R.T. -0.00 min

Lab File: BG025371.D

Acq: 22 Dec 2016 00:00

Tgt Ion:	204	Resp:	5505
Ion Ratio	Lower	Upper	
204	100		
206	31.2	30.1	45.1
141	32.4	50.6	76.0#





#62

Azobenzene

Concen: 0.85 ng

RT: 16.16 min Scan# 2267

Delta R.T. -0.00 min

Lab File: BG025371.D

Acq: 22 Dec 2016 00:00

Instrument :

BNA_G

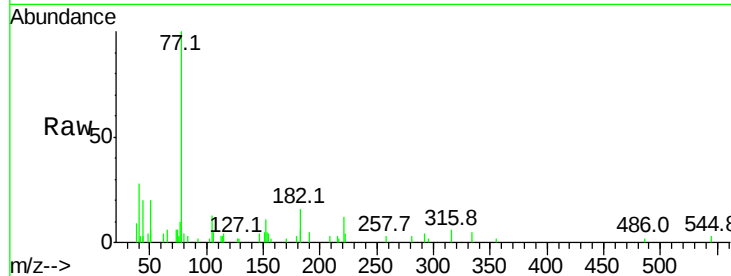
ClientSampleId :

LOD-SOIL-01-QT1-2017

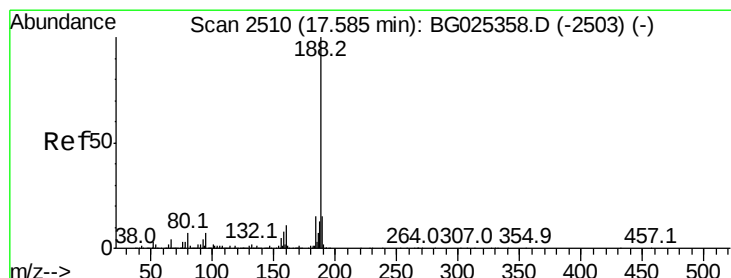
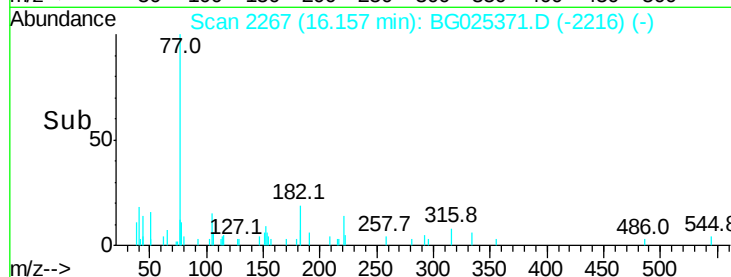
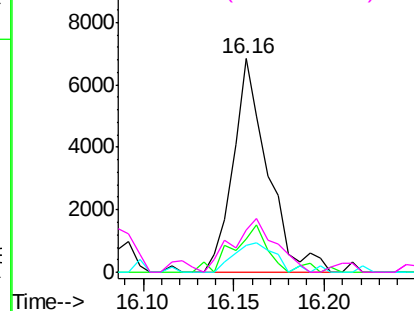
Tot Ion:	77	Resp:	9040
Ion	Ratio	Lower	Upper
77	100		
182	15.8	4.7	44.7
105	12.9	0.0	36.3
51	19.9	16.4	56.4

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Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 182.00 (181.70 to 182.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 51.00 (50.70 to 51.70): BGC



#63

Phenanthrene-d10

Concen: 20.00 ng

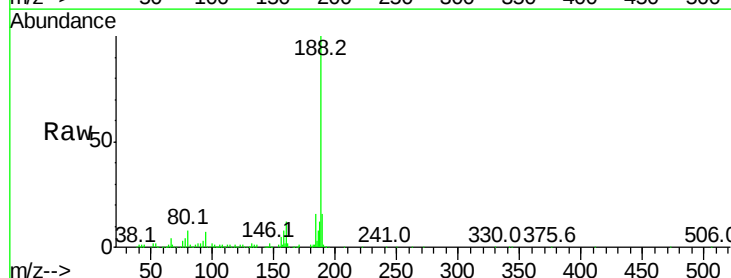
RT: 17.58 min Scan# 2510

Delta R.T. -0.00 min

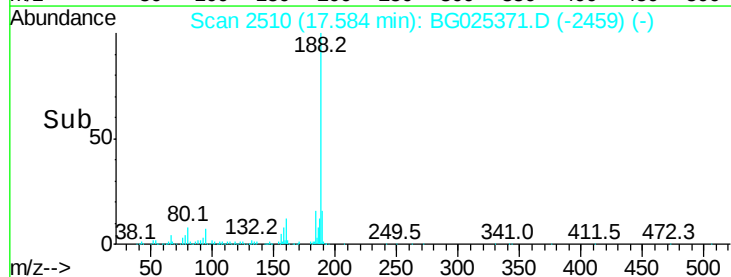
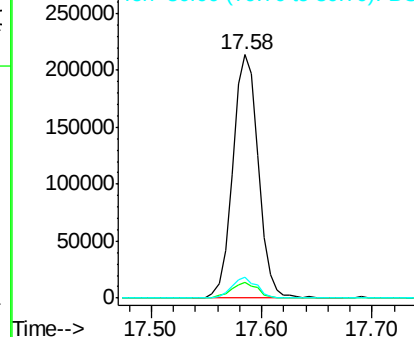
Lab File: BG025371.D

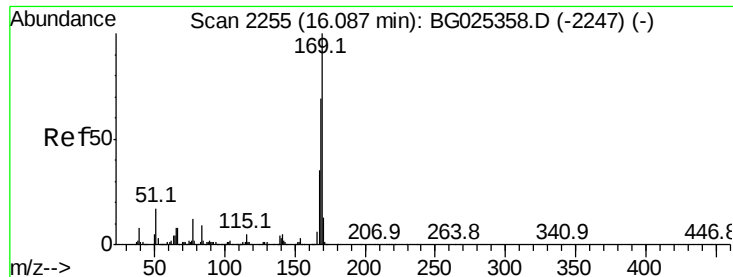
Acq: 22 Dec 2016 00:00

Tgt Ion:	188	Resp:	346675
Ion	Ratio	Lower	Upper
188	100		
94	6.7	5.8	8.8
80	8.5	7.5	11.3



Abundance Ion 188.00 (187.70 to 188.70): BGC
Ion 94.00 (93.70 to 94.70): BGC
Ion 80.00 (79.70 to 80.70): BGC





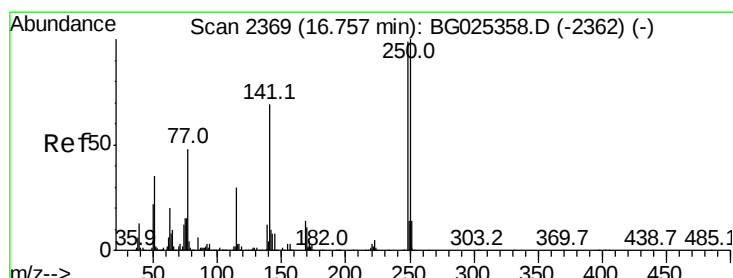
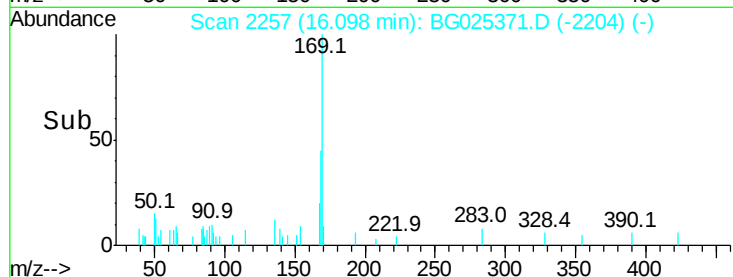
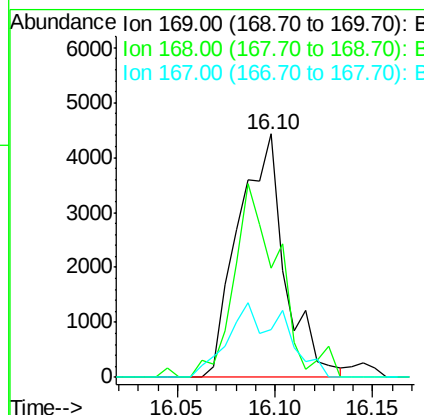
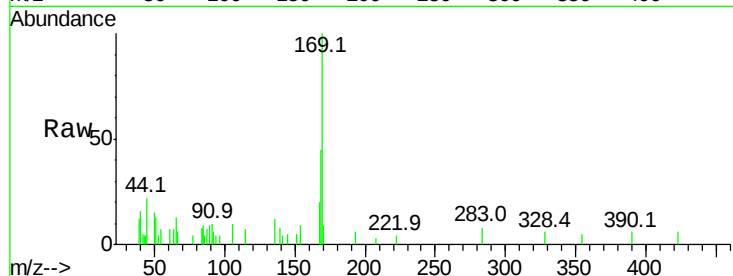
#65
n-Nitrosodiphenylamine
Concen: 0.78 ng
RT: 16.10 min Scan# 2257
Delta R.T. 0.01 min
Lab File: BG025371.D
Acq: 22 Dec 2016 00:00

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

Tot Ion	Ratio	Lower	Upper
169	100		
168	45.1	55.7	83.5#
167	19.8	29.8	44.6#

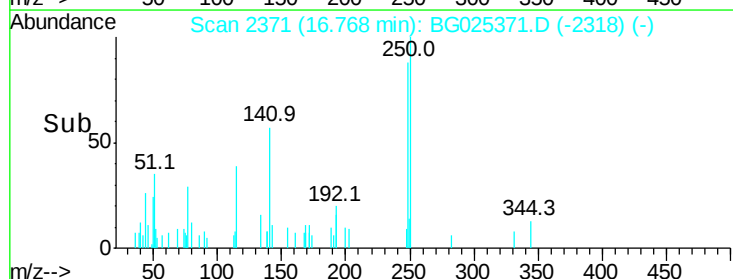
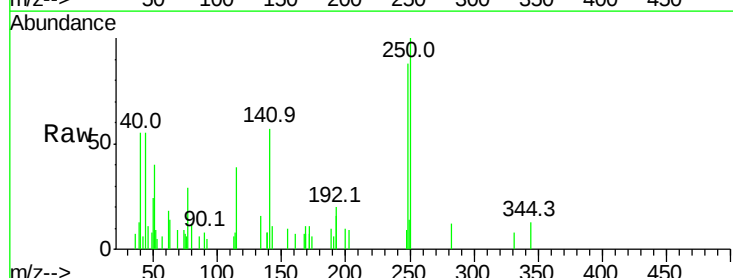
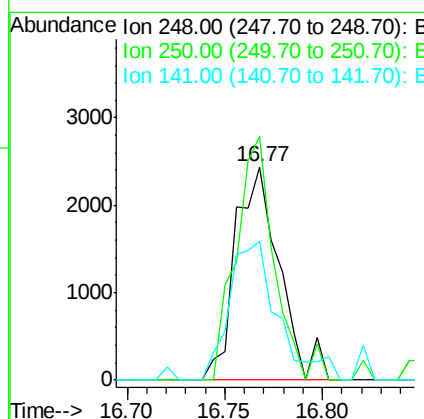
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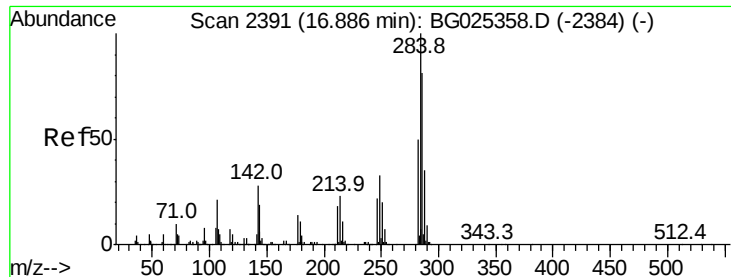
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#66
4-Bromophenyl-phenylether
Concen: 0.89 ng
RT: 16.77 min Scan# 2371
Delta R.T. 0.01 min
Lab File: BG025371.D
Acq: 22 Dec 2016 00:00

Tgt Ion	Ratio	Lower	Upper
248	100		
250	114.2	75.0	112.6#
141	64.9	55.2	82.8





#67

Hexachlorobenzene

Concen: 0.75 ng

RT: 16.89 min Scan# 2392

Delta R.T. 0.01 min

Lab File: BG025371.D

Acq: 22 Dec 2016 00:00

Instrument :

BNA_G

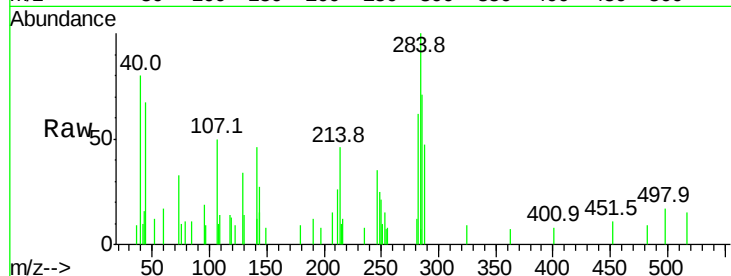
ClientSampleId :

LOD-SOIL-01-QT1-2017

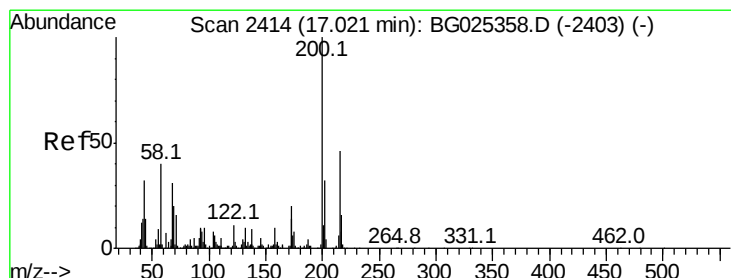
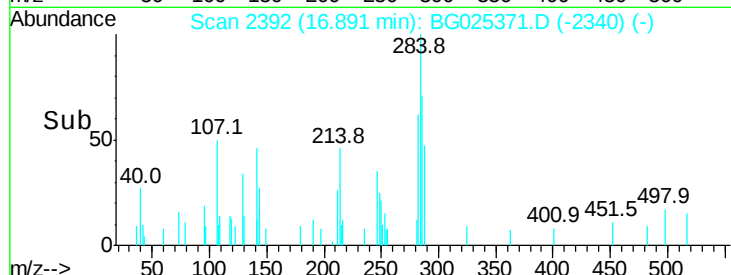
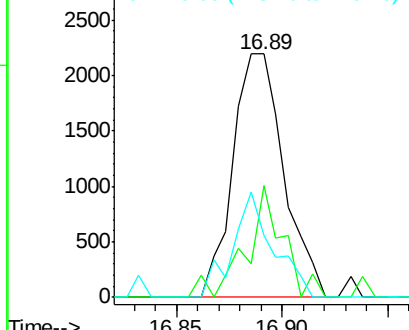
Tot Ion:	284	Resp:	3663
Ion Ratio	Lower	Upper	
284	100		
142	45.8	29.9	44.9#
249	25.2	29.2	43.8#

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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: 0.55 ng

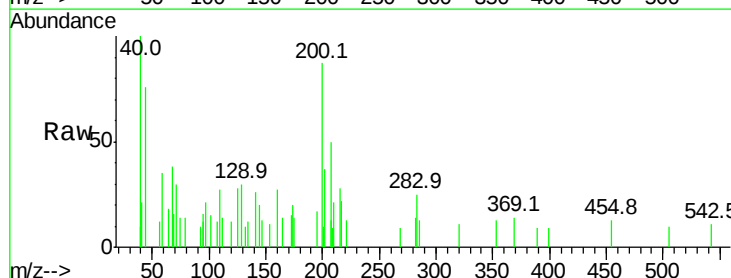
RT: 17.03 min Scan# 2416

Delta R.T. 0.01 min

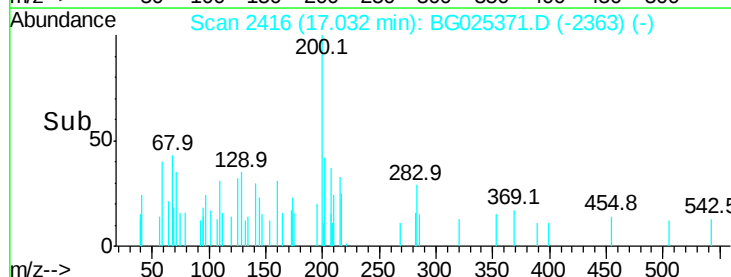
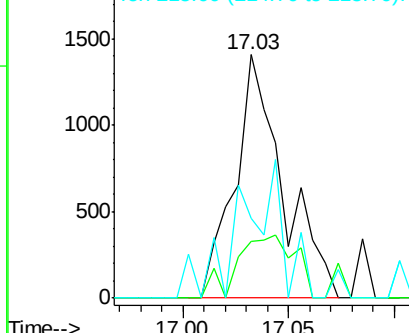
Lab File: BG025371.D

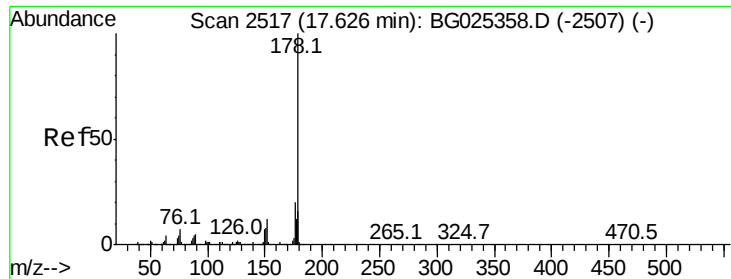
Acq: 22 Dec 2016 00:00

Tgt Ion:	200	Resp:	2246
Ion Ratio	Lower	Upper	
200	100		
173	23.2	3.0	43.0
215	32.6	28.4	68.4



Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E





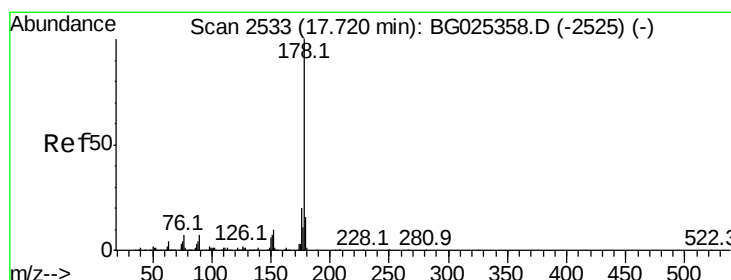
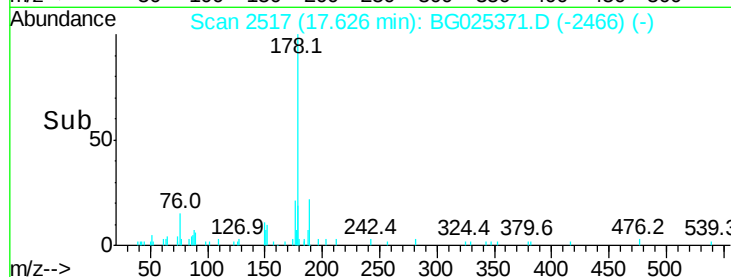
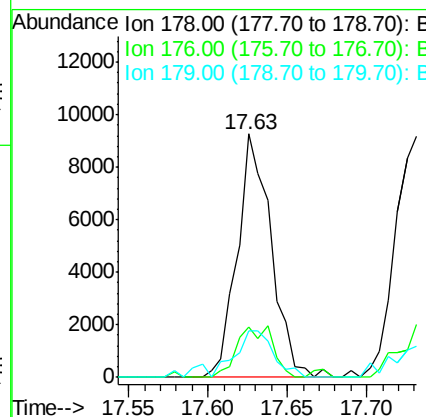
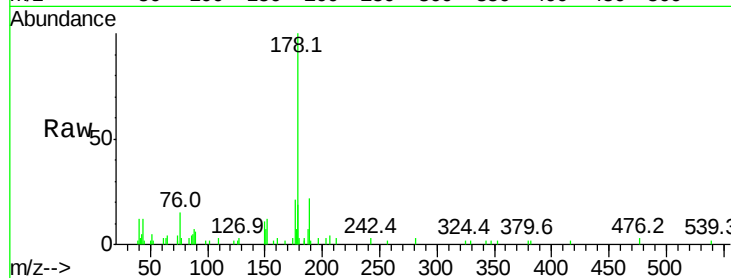
#70
Phenanthrene
Concen: 0.77 ng
RT: 17.63 min Scan# 2517
Delta R.T. -0.00 min
Lab File: BG025371.D
Acq: 22 Dec 2016 00:00

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

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.7	17.7	26.5
179	19.3	15.0	22.6

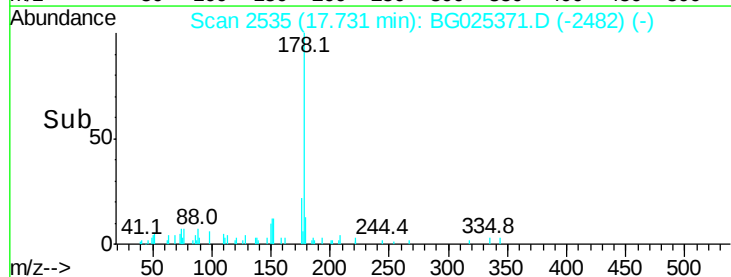
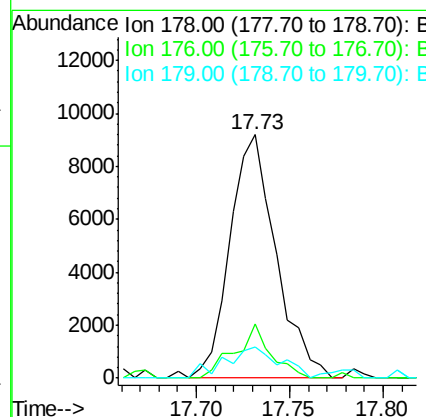
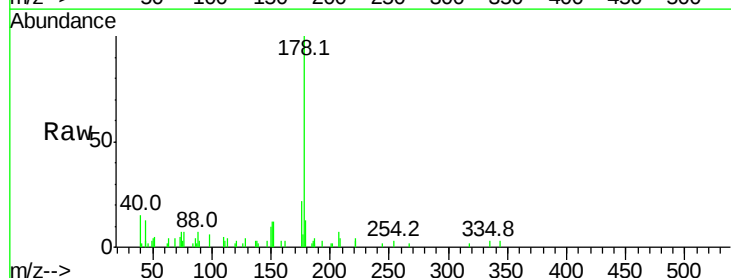
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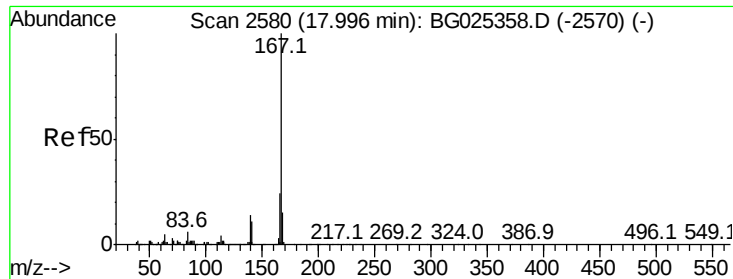
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#71
Anthracene
Concen: 0.87 ng m
RT: 17.73 min Scan# 2535
Delta R.T. 0.01 min
Lab File: BG025371.D
Acq: 22 Dec 2016 00:00

Tgt Ion	Ratio	Lower	Upper
178	100		
176	22.1	16.4	24.6
179	12.9	13.8	20.8#





#72

Carbazole

Concen: 0.78 ng

RT: 18.01 min Scan# 2582

Delta R.T. 0.01 min

Lab File: BG025371.D

Acq: 22 Dec 2016 00:00

Instrument :

BNA_G

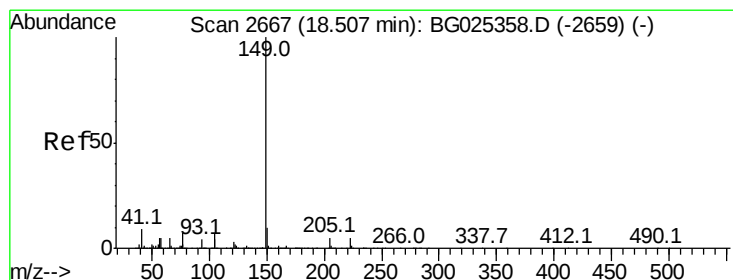
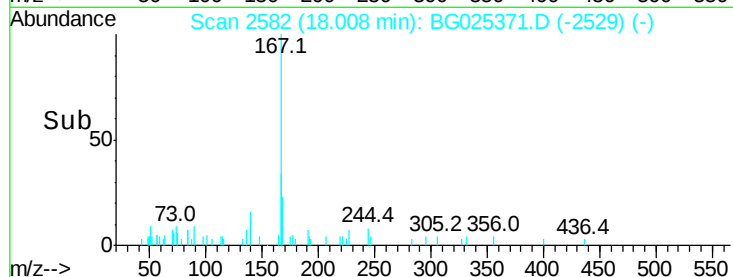
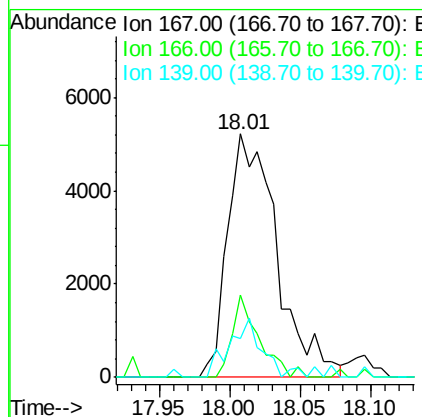
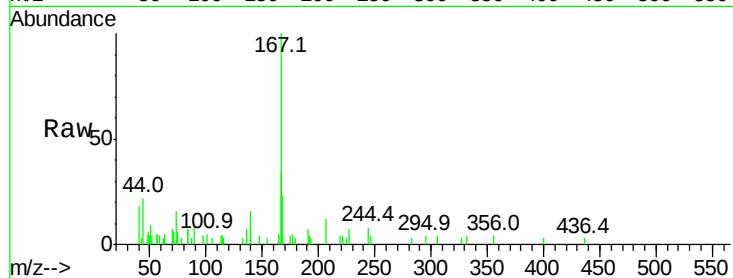
ClientSampleId :

LOD-SOIL-01-QT1-2017

Tot Ion:167	Resp:	12687
Ion Ratio	Lower	Upper
167 100		
166 33.6	20.2	30.2#
139 15.8	12.8	19.2

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#73

Di-n-butylphthalate

Concen: 0.83 ng

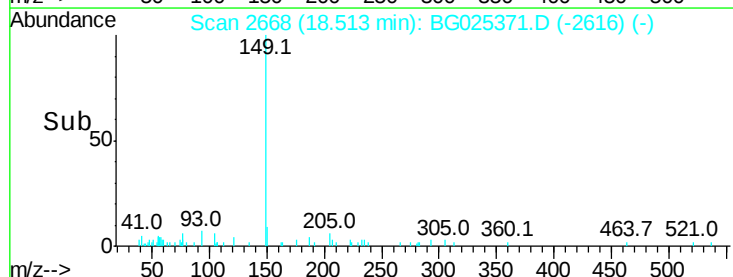
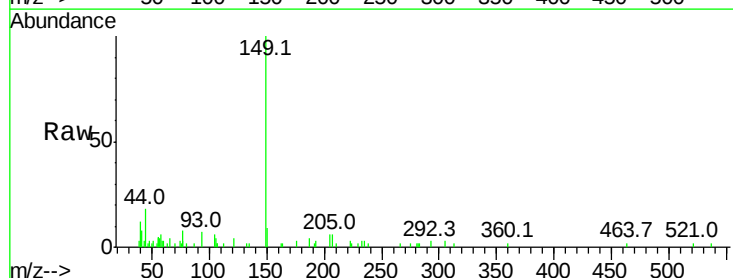
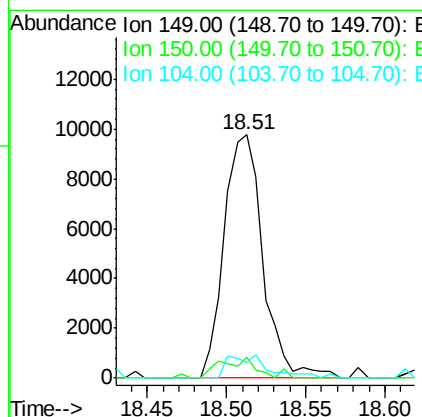
RT: 18.51 min Scan# 2668

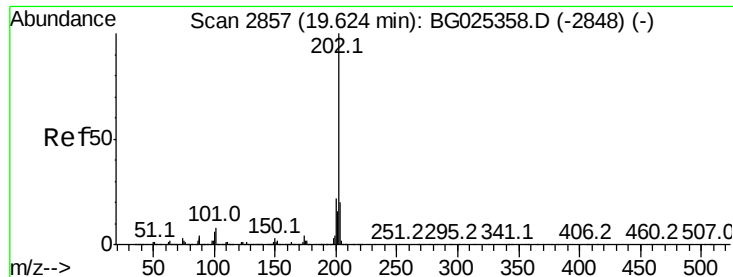
Delta R.T. 0.01 min

Lab File: BG025371.D

Acq: 22 Dec 2016 00:00

Tgt Ion:149	Resp:	16564
Ion Ratio	Lower	Upper
149 100		
150 8.5	9.1	13.7#
104 6.4	6.7	10.1#





#74

Fluoranthene

Concen: 0.92 ng

RT: 19.63 min Scan# 2858

Delta R.T. 0.01 min

Lab File: BG025371.D

Acq: 22 Dec 2016 00:00

Instrument :

BNA_G

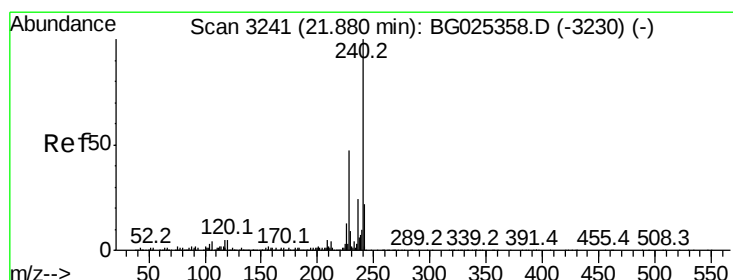
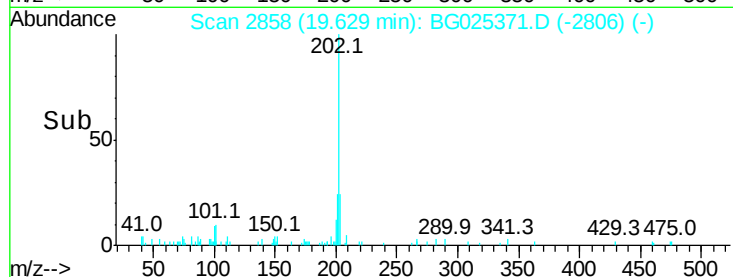
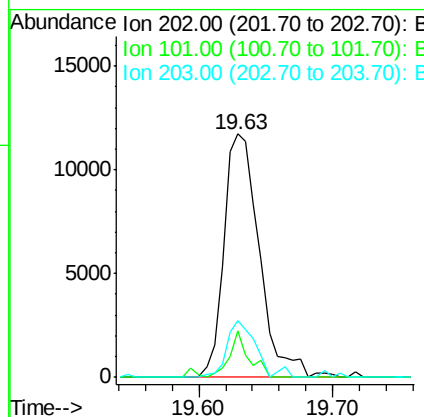
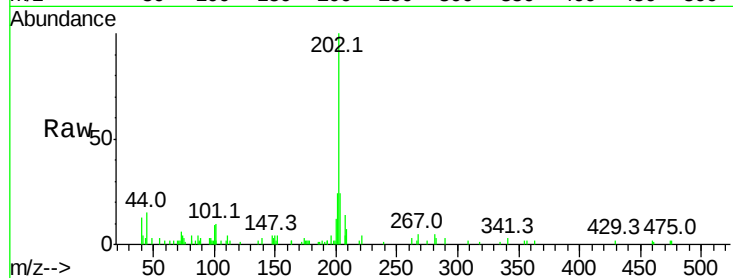
ClientSampleId :

LOD-SOIL-01-QT1-2017

Tot Ion:	202	Resp:	21759
Ion Ratio	Lower	Upper	
202	100		
101	19.1	0.0	30.1
203	23.5	1.3	41.3

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#75

Chrysene-d12

Concen: 20.00 ng

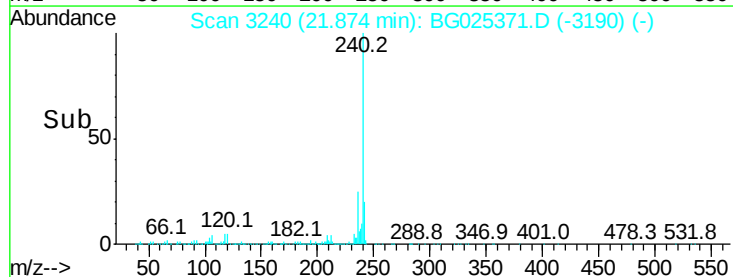
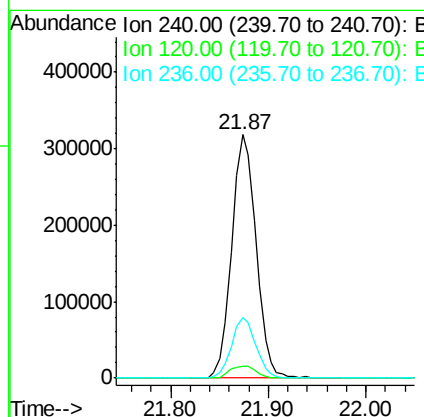
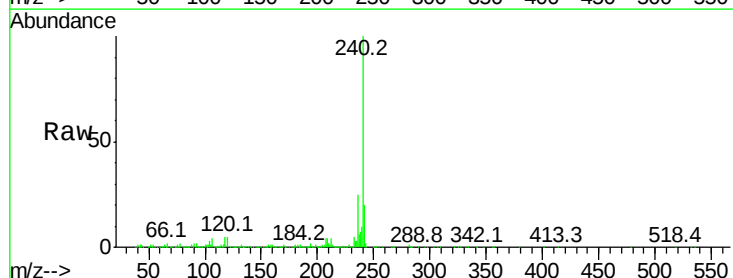
RT: 21.87 min Scan# 3240

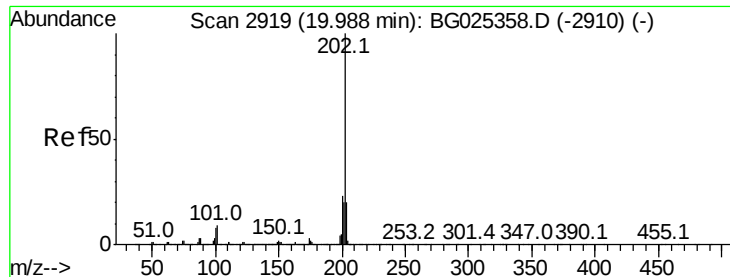
Delta R.T. -0.01 min

Lab File: BG025371.D

Acq: 22 Dec 2016 00:00

Tgt Ion:	240	Resp:	552931
Ion Ratio	Lower	Upper	
240	100		
120	5.0	5.7	8.5#
236	24.8	22.2	33.4





#77

Pvrene

Concen: 0.78 ng

RT: 19.99 min Scan# 2920

Delta R.T. 0.01 min

Lab File: BG025371.D

Acq: 22 Dec 2016 00:00

Instrument :

BNA_G

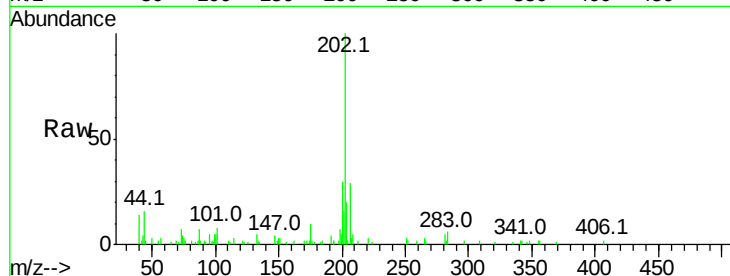
ClientSampleId :

LOD-SOIL-01-QT1-2017

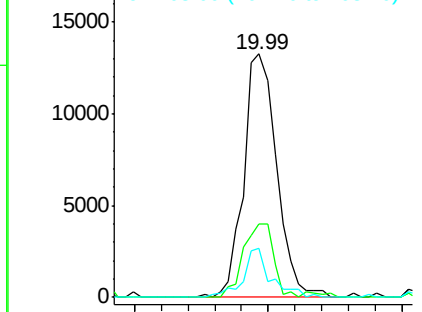
Tot Ion:	202	Resp:	22574
Ion Ratio	Lower	Upper	
202	100		
200	30.4	19.6	29.4#
203	20.3	15.8	23.8

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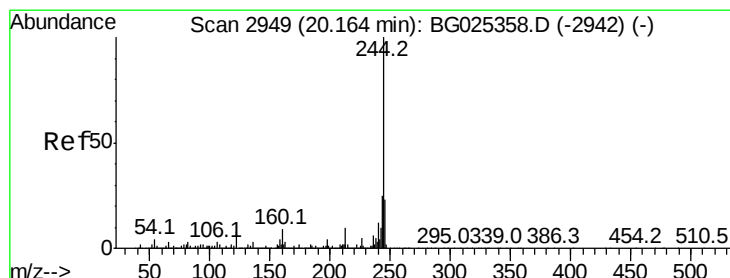
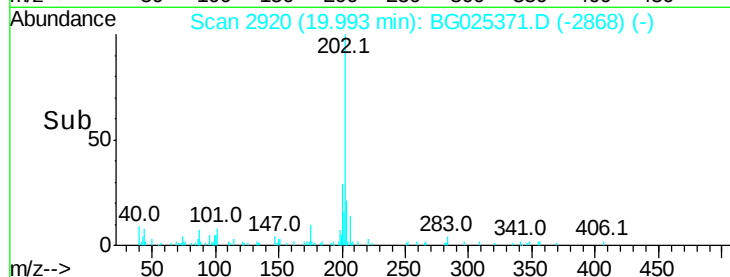
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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



Time--> 19.90 20.00



#78

Terphenyl-d14

Concen: 80.39 ng

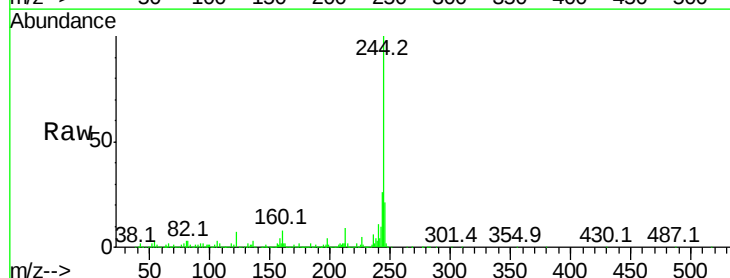
RT: 20.16 min Scan# 2949

Delta R.T. -0.00 min

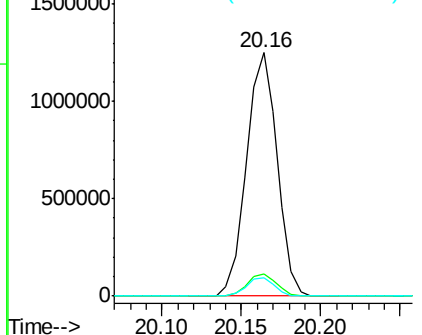
Lab File: BG025371.D

Acq: 22 Dec 2016 00:00

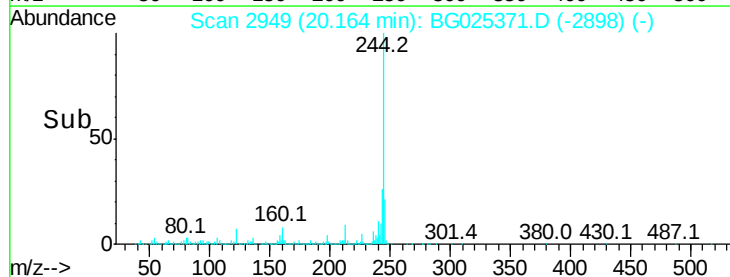
Tgt Ion:	244	Resp:	1676472
Ion Ratio	Lower	Upper	
244	100		
212	9.1	10.0	15.0#
122	7.3	8.6	12.8#

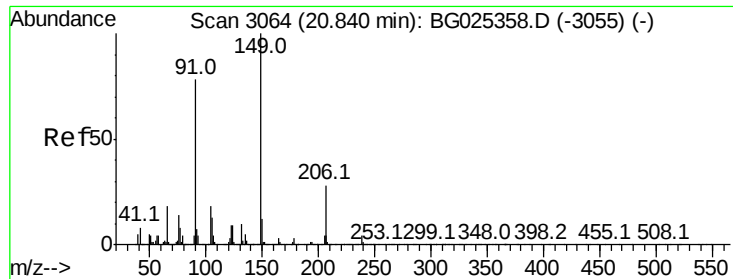


Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



Time--> 20.10 20.15 20.20





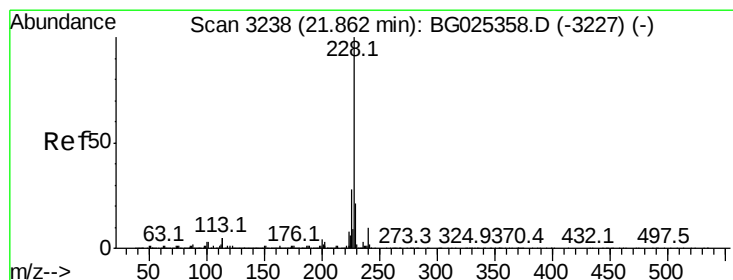
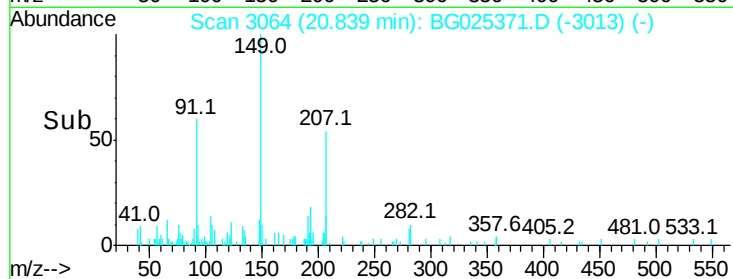
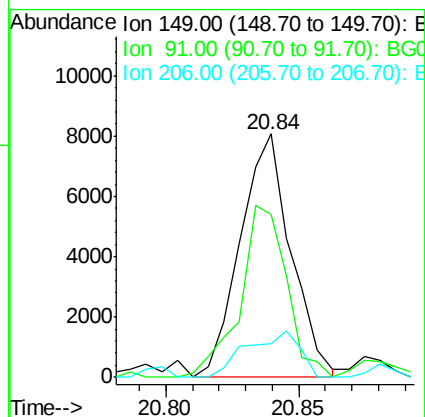
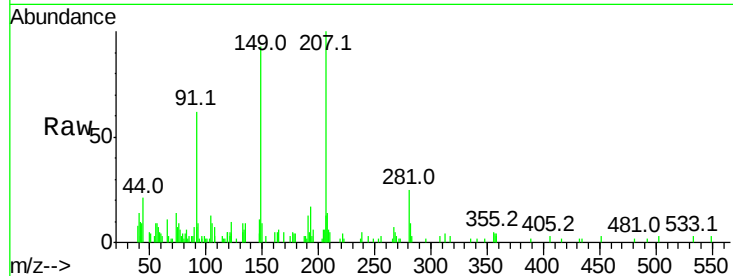
#79
Butylbenzylphthalate
Concen: 0.92 ng
RT: 20.84 min Scan# 3064
Delta R.T. -0.00 min
Lab File: BG025371.D
Acq: 22 Dec 2016 00:00

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

Tot Ion	Ratio	Resp	Lower	Upper
149	100			
91	66.7	63.5	95.3	
206	13.7	21.0	31.6	

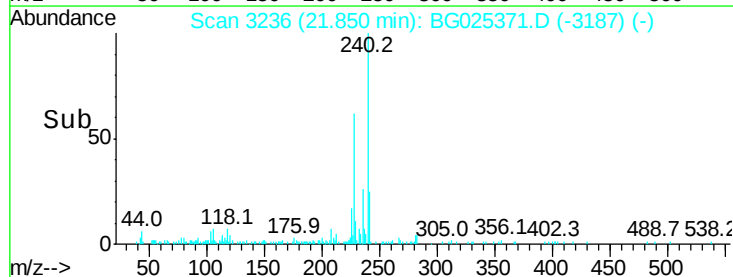
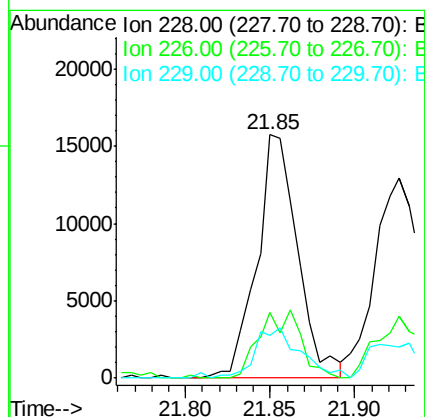
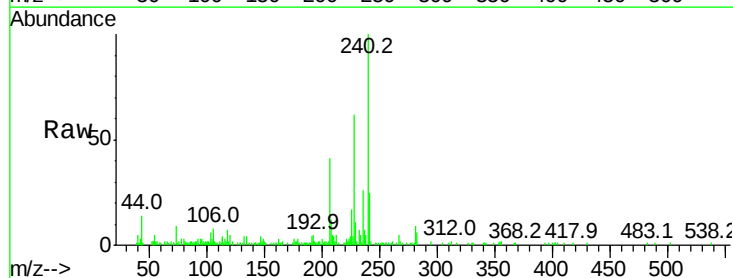
Manual Integrations
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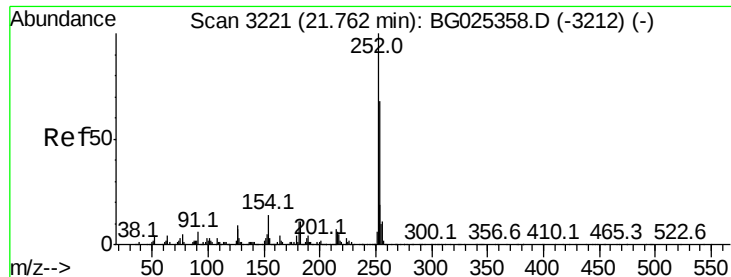
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#80
Benzo(a)anthracene
Concen: 0.86 ng
RT: 21.85 min Scan# 3236
Delta R.T. -0.01 min
Lab File: BG025371.D
Acq: 22 Dec 2016 00:00

Tgt Ion	Ratio	Resp	Lower	Upper
228	100			
226	26.9	24.9	37.3	
229	17.7	18.2	27.2	





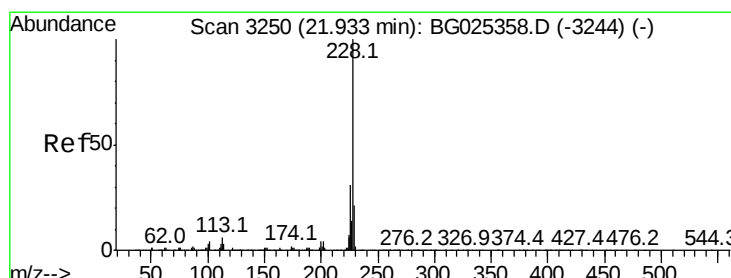
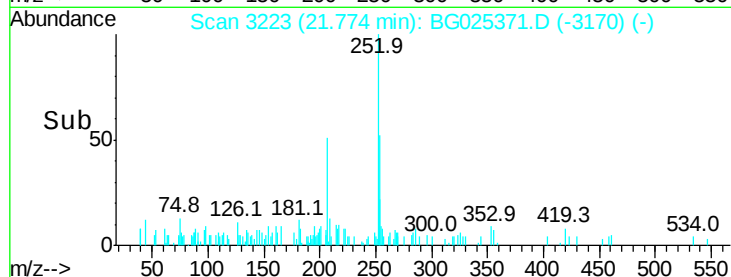
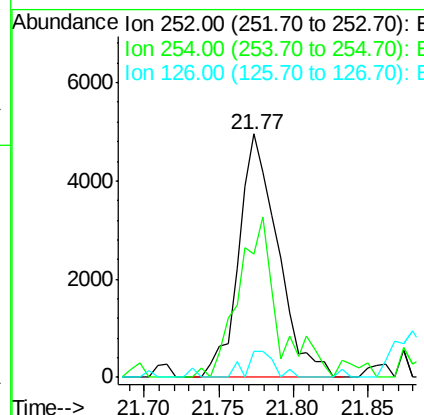
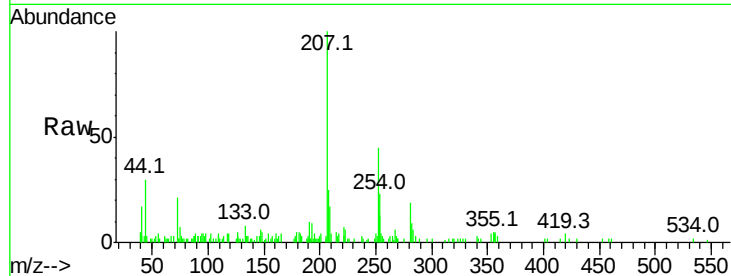
#81
 3,3'-Dichlorobenzidine
 Concen: 0.75 ng
 RT: 21.77 min Scan# 3223
 Delta R.T. 0.01 min
 Lab File: BG025371.D
 Acq: 22 Dec 2016 00:00

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

Tot Ion	Ratio	Lower	Upper
252	100		
254	50.5	53.1	79.7#
126	10.4	7.0	10.4

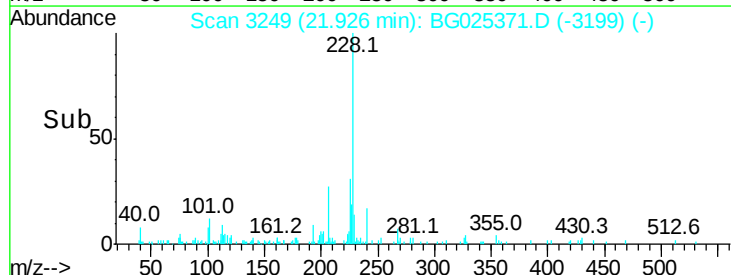
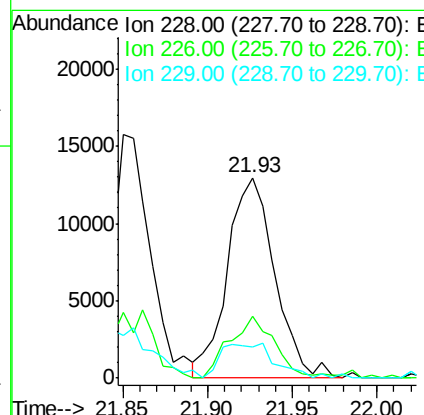
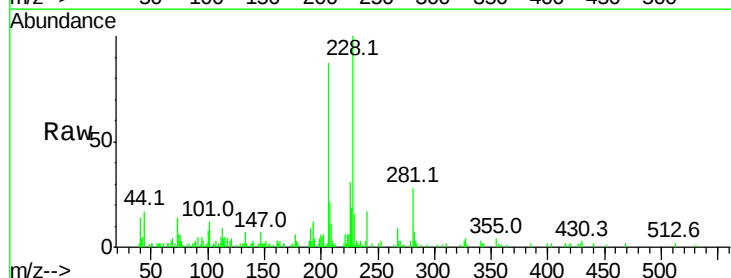
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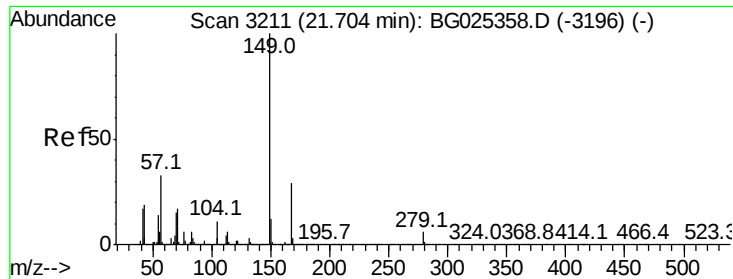
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#82
 Chrysene
 Concen: 0.85 ng
 RT: 21.93 min Scan# 3249
 Delta R.T. -0.01 min
 Lab File: BG025371.D
 Acq: 22 Dec 2016 00:00

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.8	27.0	40.4
229	15.6	17.8	26.6#





#83

Bis(2-ethylhexyl)phthalate

Concen: 1.00 ng

RT: 21.69 min Scan# 3209

Delta R.T. -0.01 min

Lab File: BG025371.D

Acq: 22 Dec 2016 00:00

Instrument :

BNA_G

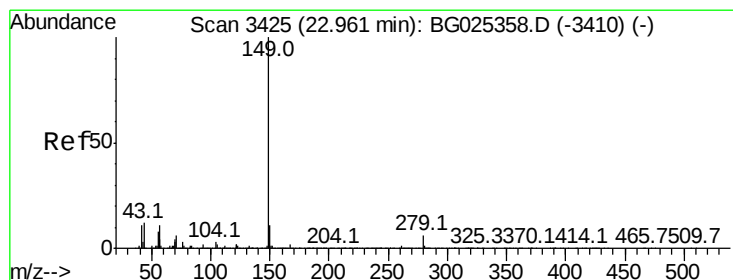
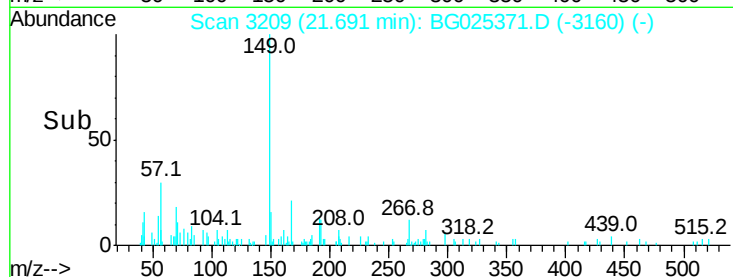
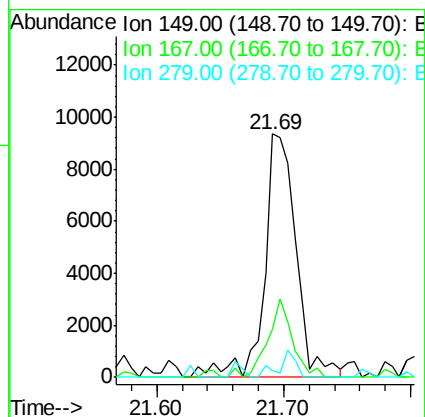
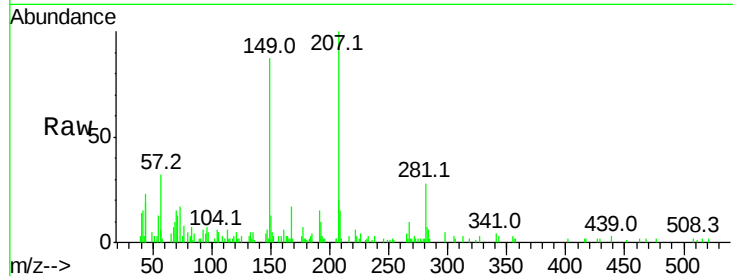
ClientSampleId :

LOD-SOIL-01-QT1-2017

Tot Ion:	149	Resp:	16215
Ion Ratio	Lower	Upper	
149	100		
167	19.8	23.7	35.5#
279	2.9	4.6	6.8#

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#84

Di-n-octyl phthalate

Concen: 0.88 ng

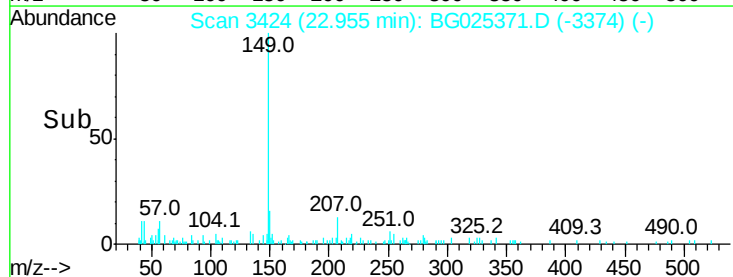
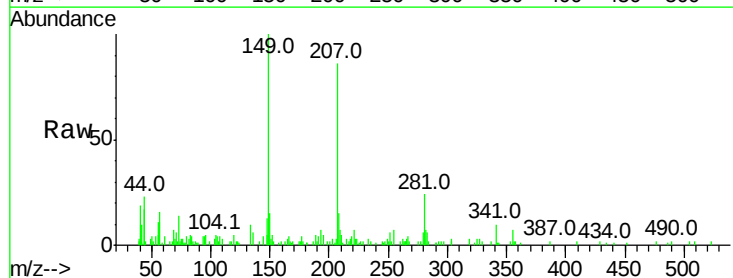
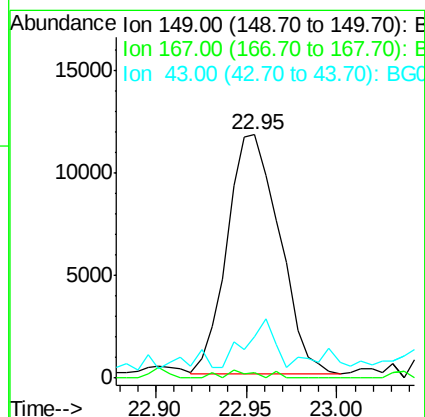
RT: 22.95 min Scan# 3424

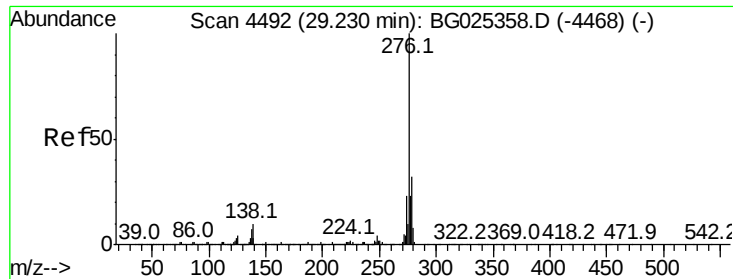
Delta R.T. -0.01 min

Lab File: BG025371.D

Acq: 22 Dec 2016 00:00

Tgt Ion:	149	Resp:	23470
Ion Ratio	Lower	Upper	
149	100		
167	1.8	1.4	2.2
43	13.7	11.8	17.6





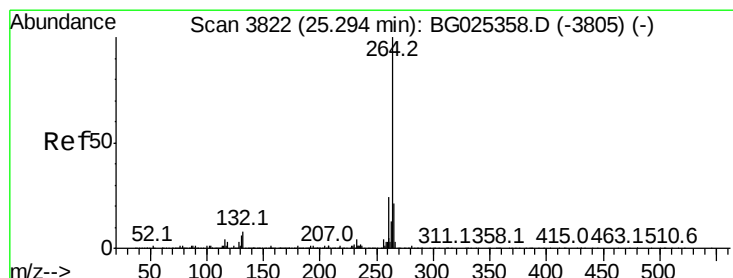
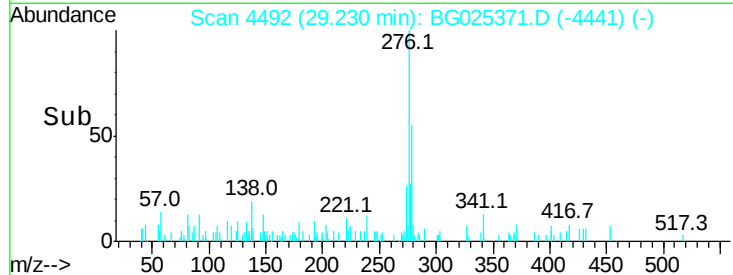
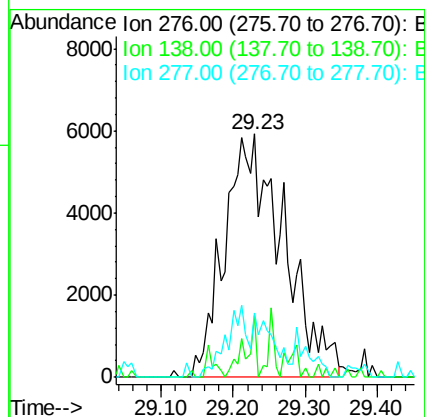
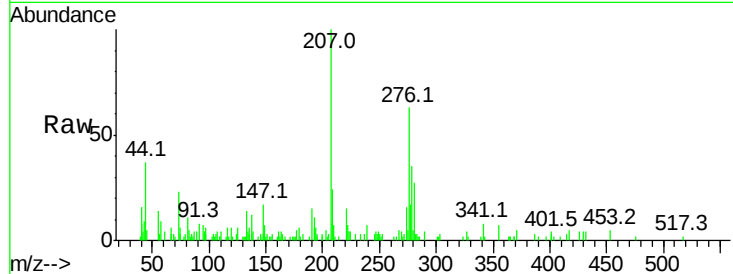
#85
Indeno(1,2,3-cd)pyrene
Concen: 0.90 ng m
RT: 29.23 min Scan# 4492
Delta R.T. -0.00 min
Lab File: BG025371.D
Acq: 22 Dec 2016 00:00

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

Tot Ion	Ratio	Lower	Upper
276	100		
138	5.2	4.7	7.1
277	8.1	20.6	31.0#

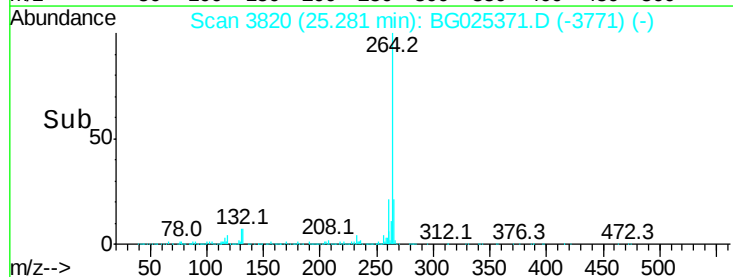
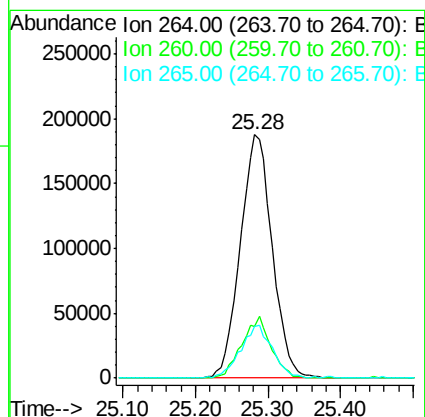
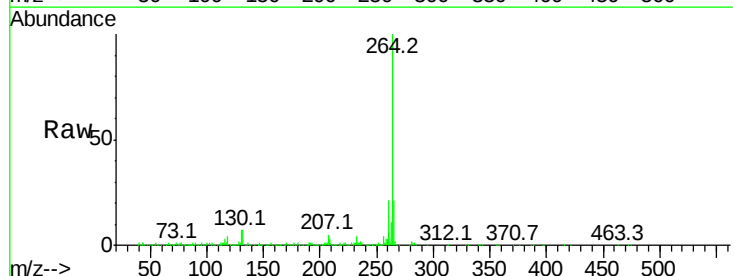
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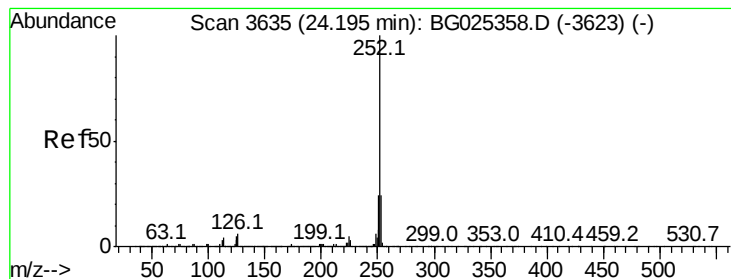
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#86
Perylene-d12
Concen: 20.00 ng
RT: 25.28 min Scan# 3820
Delta R.T. -0.01 min
Lab File: BG025371.D
Acq: 22 Dec 2016 00:00

Tgt Ion	Ratio	Lower	Upper
264	100		
260	21.4	21.8	32.8#
265	21.4	18.2	27.4





#87

Benzo(b)fluoranthene

Concen: 0.86 ng

RT: 24.20 min Scan# 3636

Delta R.T. 0.01 min

Lab File: BG025371.D

Acq: 22 Dec 2016 00:00

Instrument :

BNA_G

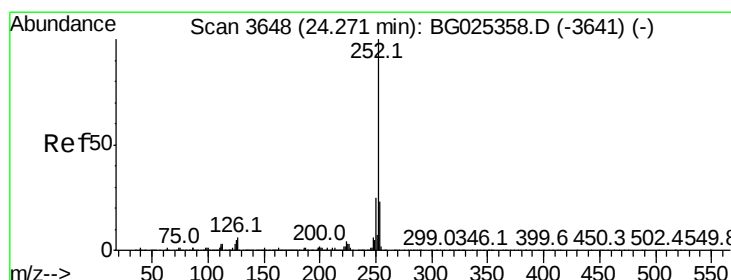
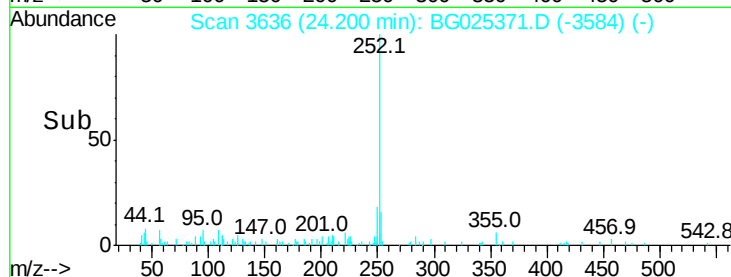
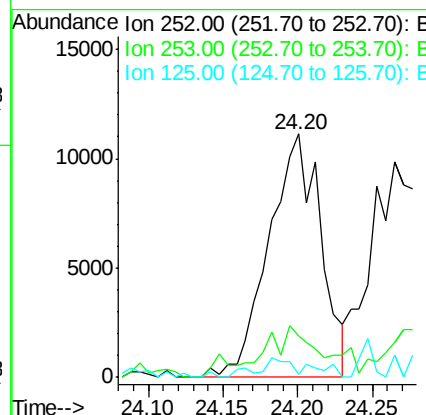
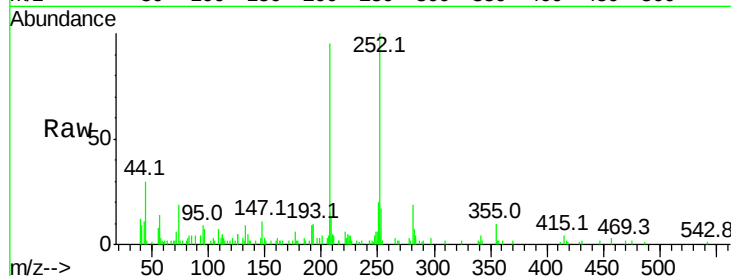
ClientSampleId :

LOD-SOIL-01-QT1-2017

Tot Ion:252	Resp:	26901
Ion Ratio	Lower	Upper
252 100		
253 17.2	18.7	28.1#
125 1.5	5.3	7.9#

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#88

Benzo(k)fluoranthene

Concen: 0.87 ng

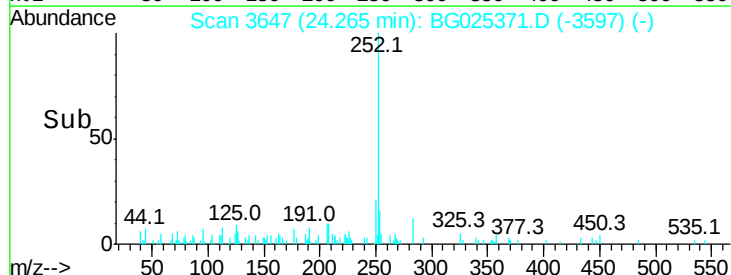
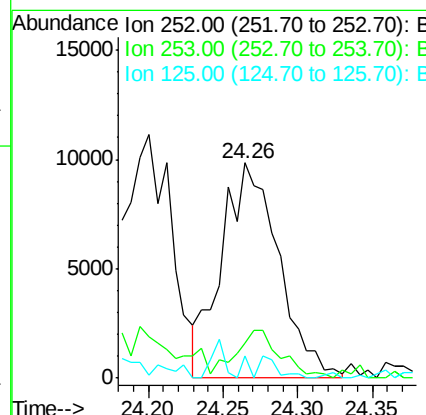
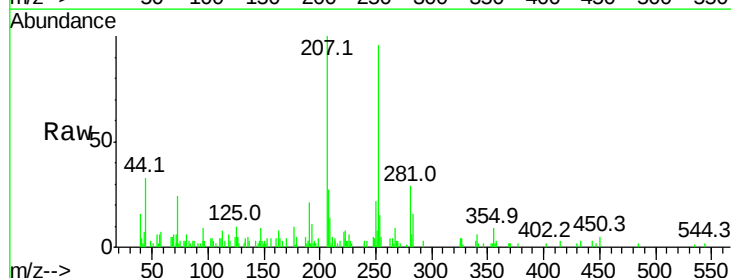
RT: 24.26 min Scan# 3647

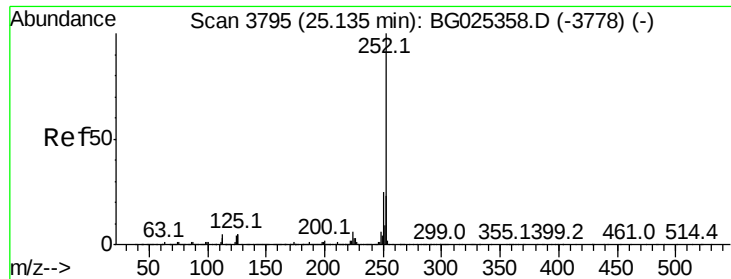
Delta R.T. -0.01 min

Lab File: BG025371.D

Acq: 22 Dec 2016 00:00

Tgt Ion:252	Resp:	26215
Ion Ratio	Lower	Upper
252 100		
253 16.0	20.2	30.2#
125 10.5	5.1	7.7#





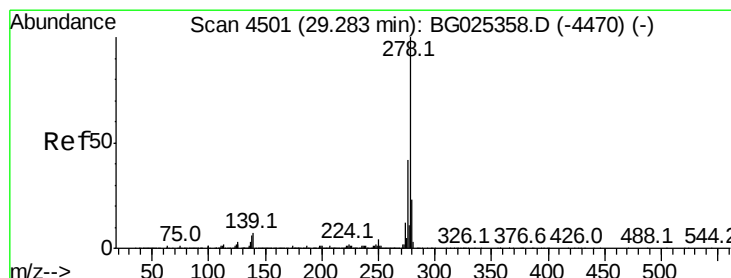
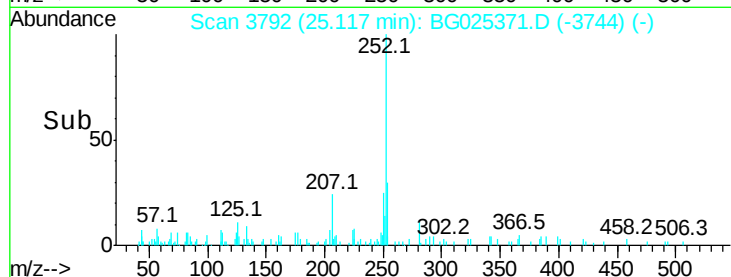
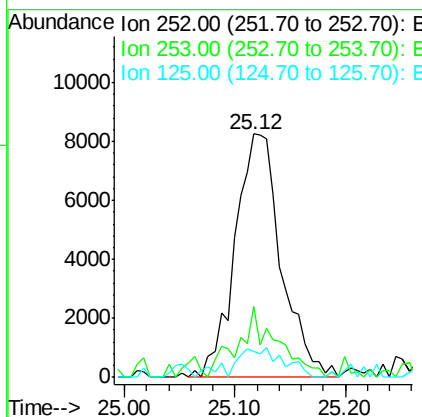
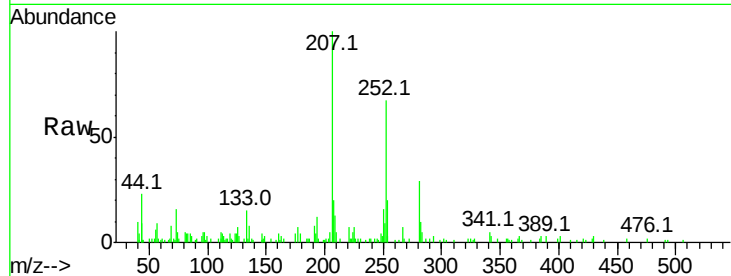
#89
Benzo(a)pyrene
Concen: 0.80 ng
RT: 25.12 min Scan# 3792
Delta R.T. -0.02 min
Lab File: BG025371.D
Acq: 22 Dec 2016 00:00

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	29.2	19.2	28.8#
125	10.7	5.4	8.0#

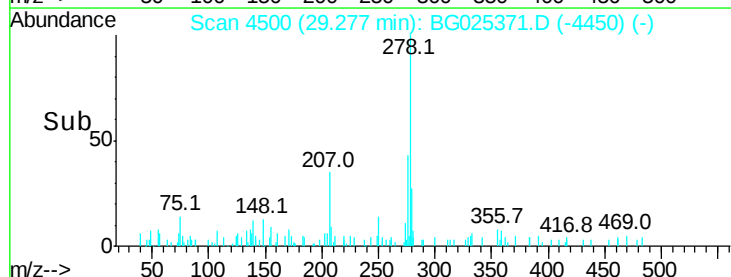
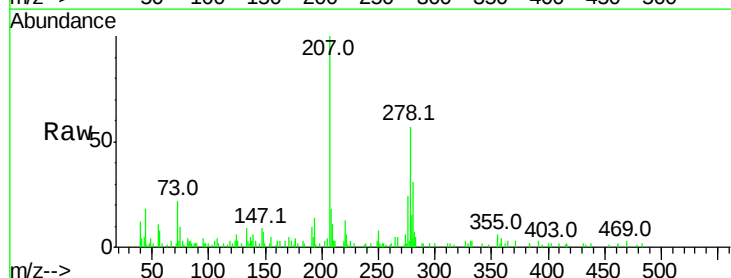
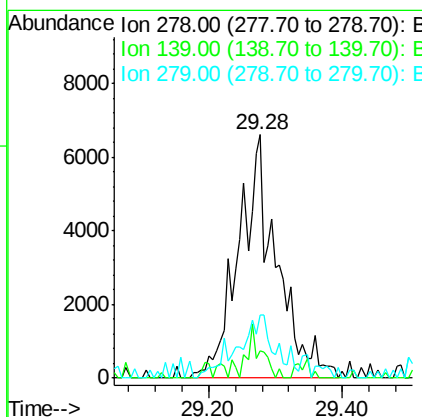
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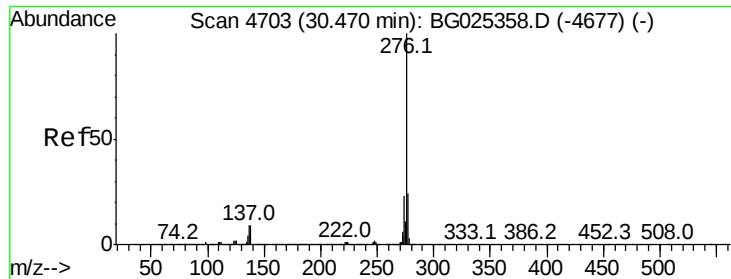
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#90
Dibenzo(a,h)anthracene
Concen: 0.81 ng m
RT: 29.28 min Scan# 4500
Delta R.T. -0.01 min
Lab File: BG025371.D
Acq: 22 Dec 2016 00:00

Tgt Ion	Ratio	Lower	Upper
278	100		
139	11.3	7.7	11.5
279	26.0	19.1	28.7





#91
 Benzo(a,h,i)perylene
 Concen: 0.81 ng m
 RT: 30.49 min Scan# 4706
 Delta R.T. 0.02 min
 Lab File: BG025371.D
 Acq: 22 Dec 2016 00:00

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

Tot Ion:	276	Resp:	25803
Ion Ratio	Lower	Upper	
276	100		
277	26.8	18.6	27.8
138	10.2	8.1	12.1

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