

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122116\
 Data File : BG025373.D
 Acq On : 22 Dec 2016 1:18
 Operator : UM/SJ
 Sample : H6103-01
 Misc : LOD 5 PPM
 ALS Vial : 11 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

sohil
 12/22/2016 7:04:29 PM

Quant Time: Dec 22 05:08:33 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	48243	20.00	ng	0.00
21) Naphthalene-d8	11.04	136	190782	20.00	ng	0.00
38) Acenaphthene-d10	14.84	164	154402	20.00	ng	0.00
63) Phenanthrene-d10	17.59	188	355015	20.00	ng	0.00
75) Chrysene-d12	21.88	240	547188	20.00	ng	0.00
86) Perylene-d12	25.28	264	569327	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.75	112	381886	143.88	ng	0.00
7) Phenol-d6	7.37	99	523832	140.14	ng	0.00
23) Nitrobenzene-d5	9.40	82	392484	90.88	ng	0.00
41) 2,4,6-Tribromophenol	16.33	330	322467	129.72	ng	0.00
44) 2-Fluorobiphenyl	13.46	172	880605	92.34	ng	0.00
78) Terphenyl-d14	20.17	244	1786430	86.56	ng	0.00
Target Compounds						
32) Benzoic acid	10.39	122	7447m	3.11	ng	81
35) Caprolactam	11.98	113	4055m	3.39	ng	
55) 4-Nitrophenol	15.11	139	5672m	3.21	ng	
64) 4,6-Dinitro-2-methylphenol	16.01	198	6285	2.56	ng	
69) Pentachlorophenol	17.25	266	7986m	3.06	ng	

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

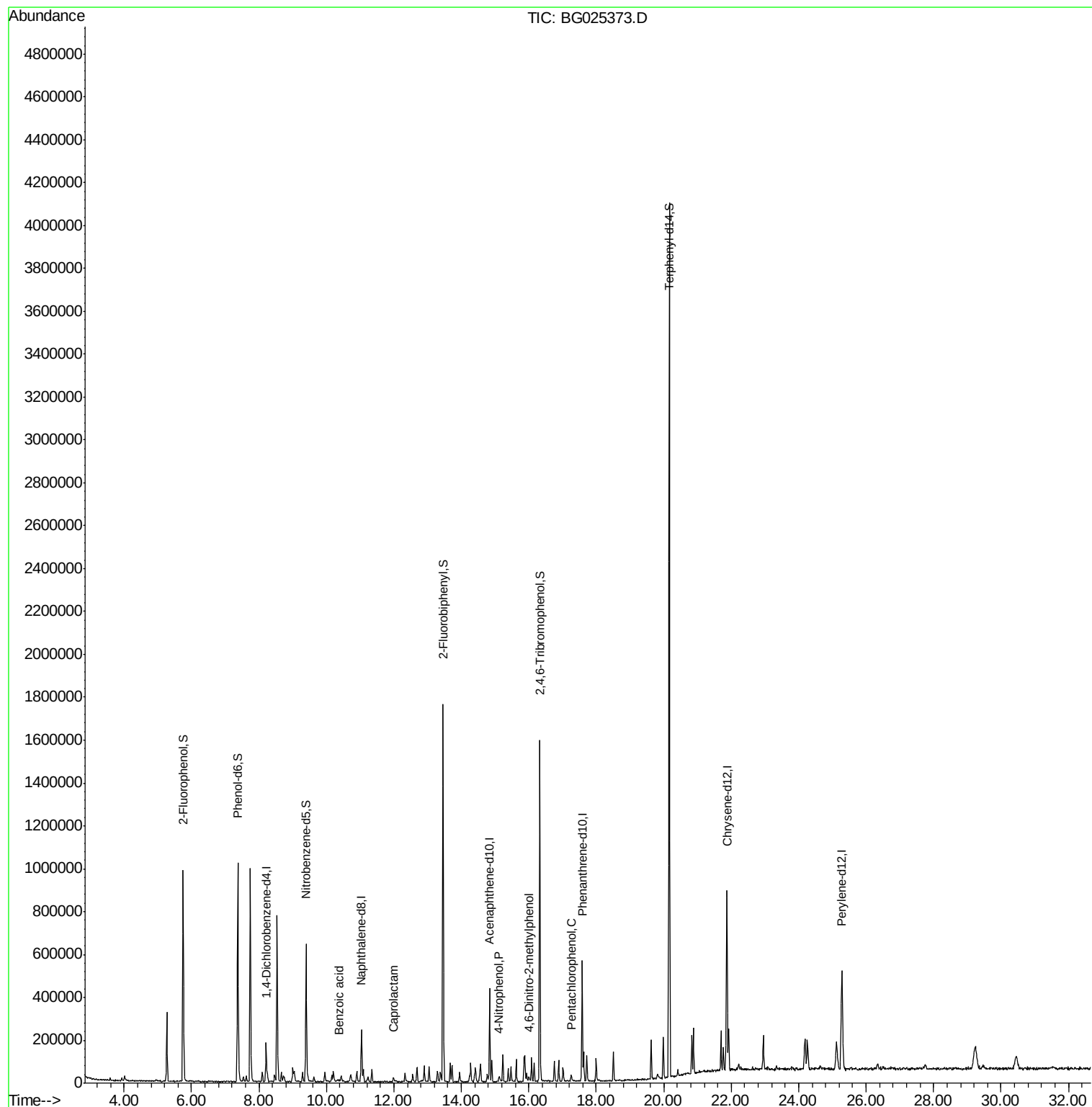
Data Path : Z:\HPCHEM1\BNA G\DATA\BG122116\
Data File : BG025373.D
Acq On : 22 Dec 2016 1:18
Operator : UM/SJ
Sample : H6103-01
Misc : LOD 5 PPM
ALS Vial : 11 Sample Multiplier: 1

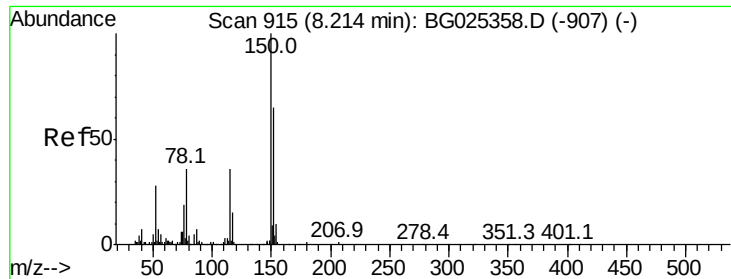
Instrument :
BNA_G
ClientSampleId :
LOD-SOIL-01-QT1-2017

Manual Integrations
APPROVED

sohil
12/22/2016 7:04:29 PM

Quant Time: Dec 22 05:08:33 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





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.21 min Scan# 914

Delta R.T. -0.00 min

Lab File: BG025373.D

Acq: 22 Dec 2016 1:18

Instrument :

BNA_G

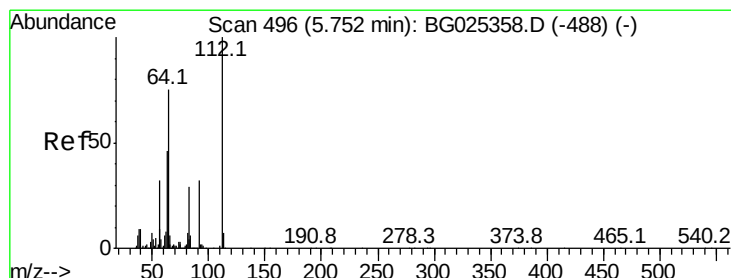
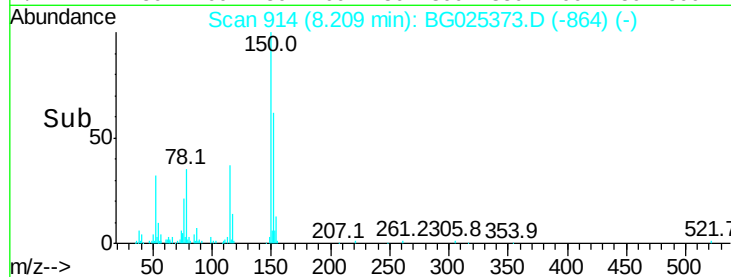
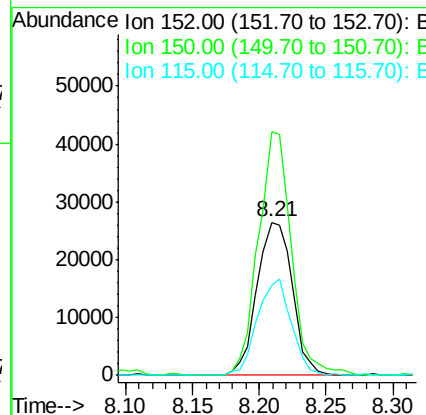
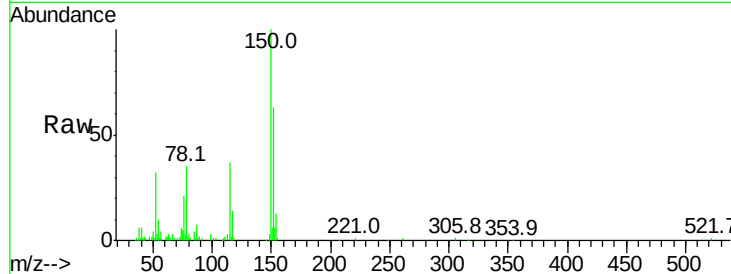
ClientSampleId :

LOD-SOIL-01-QT1-2017

Tot Ion:	152	Resp:	48243
Ion Ratio	Lower	Upper	
152	100		
150	158.9	114.0	171.0
115	58.5	48.1	72.1

Manual Integrations
APPROVED

sohil
12/22/2016 7:04:29 PM



#5

2-Fluorophenol

Concen: 143.88 ng

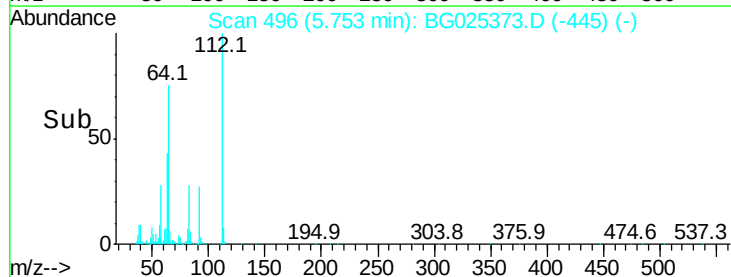
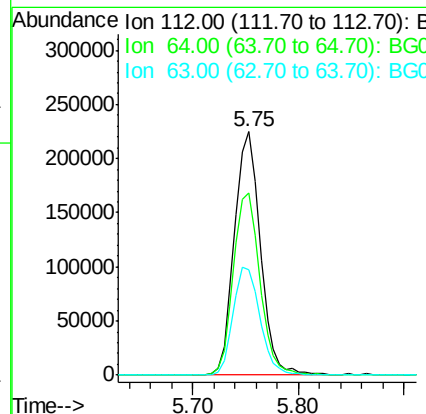
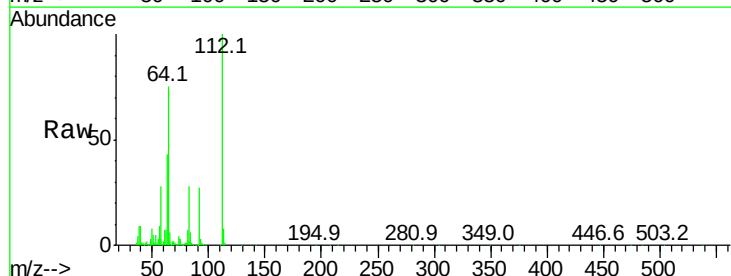
RT: 5.75 min Scan# 496

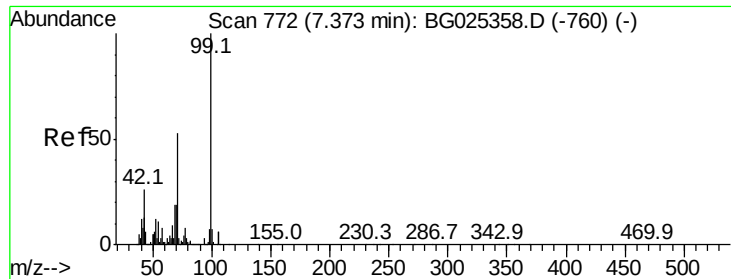
Delta R.T. 0.00 min

Lab File: BG025373.D

Acq: 22 Dec 2016 1:18

Tgt Ion:	112	Resp:	381886
Ion Ratio	Lower	Upper	
112	100		
64	75.0	61.8	92.6
63	43.4	37.2	55.8





#7

Phenol-d6

Concen: 140.14 ng

RT: 7.37 min Scan# 772

Delta R.T. 0.00 min

Lab File: BG025373.D

Acq: 22 Dec 2016 1:18

Instrument :

BNA_G

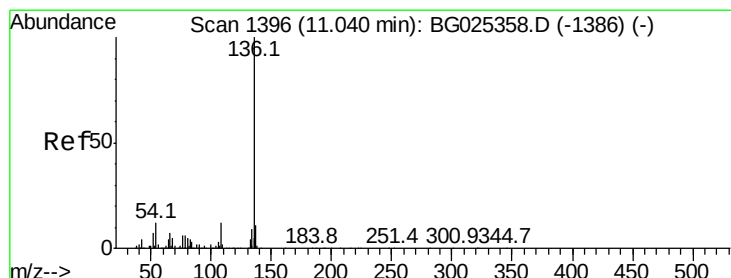
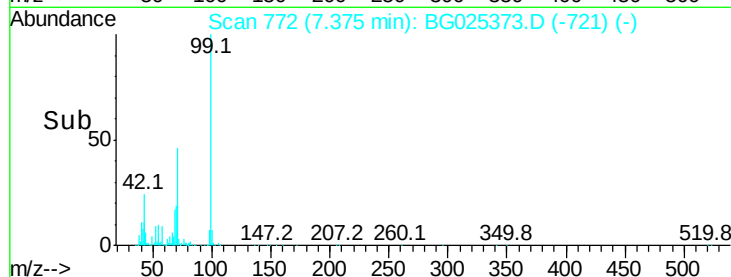
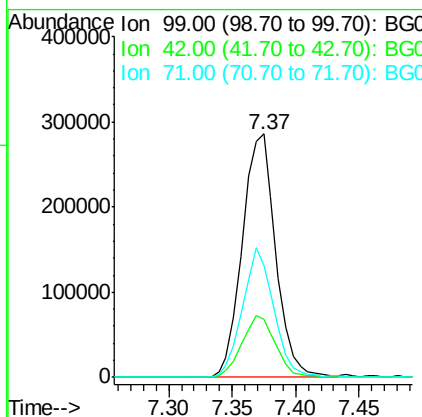
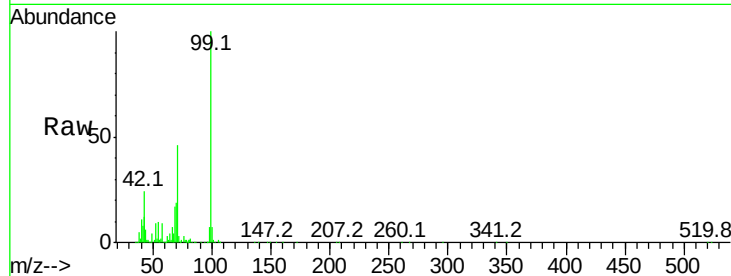
ClientSampleId :

LOD-SOIL-01-QT1-2017

Tot Ion	99	Resp	523832
Ion Ratio	Lower	Upper	
99	100		
42	23.8	20.5	30.7
71	46.0	37.6	56.4

Manual Integrations
APPROVED

sohil
12/22/2016 7:04:29 PM



#21

Naphthalene-d8

Concen: 20.00 ng

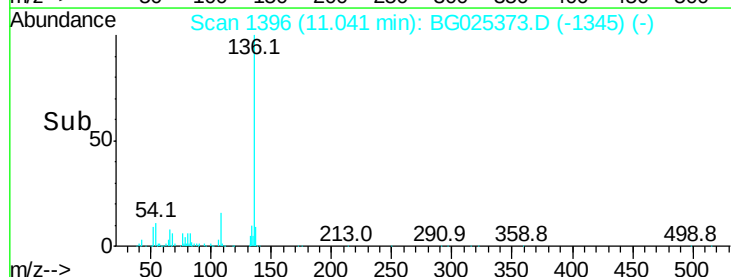
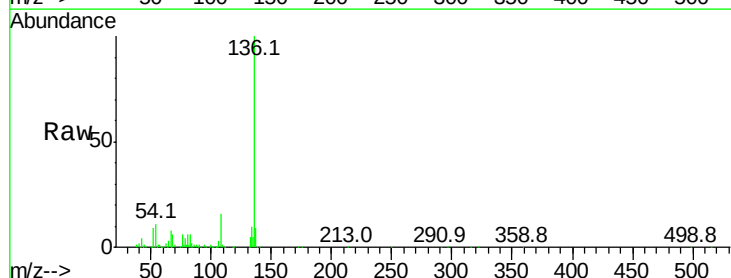
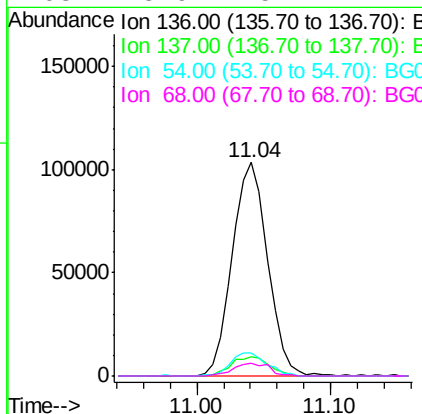
RT: 11.04 min Scan# 1396

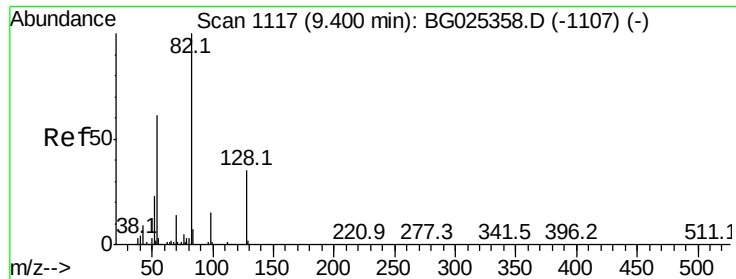
Delta R.T. 0.00 min

Lab File: BG025373.D

Acq: 22 Dec 2016 1:18

Tgt Ion	136	Resp	190782
Ion Ratio	Lower	Upper	
136	100		
137	9.2	8.9	13.3
54	11.0	9.3	13.9
68	5.9	5.1	7.7





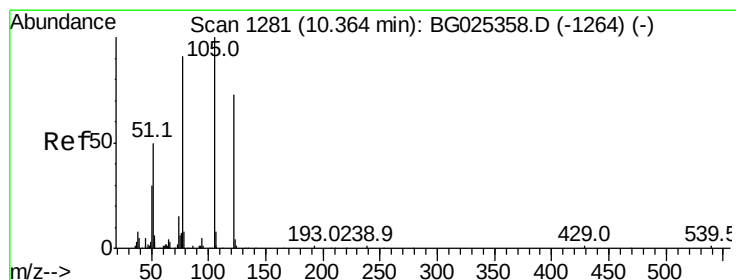
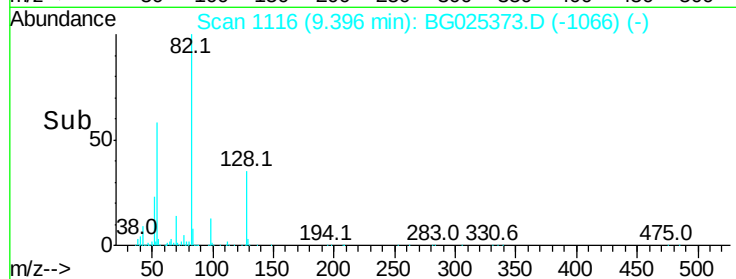
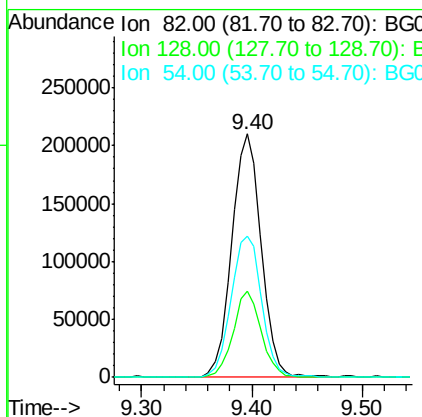
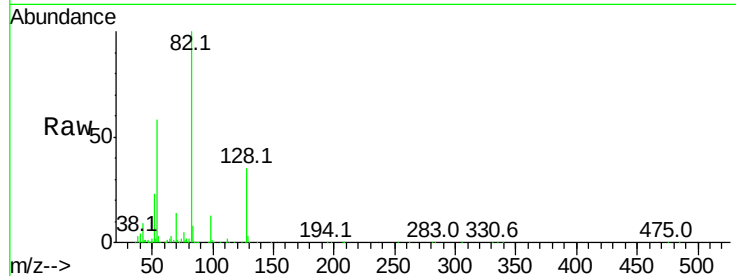
#23
Nitrobenzene-d5
Concen: 90.88 ng
RT: 9.40 min Scan# 1116
Delta R.T. -0.00 min
Lab File: BG025373.D
Acq: 22 Dec 2016 1:18

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

Tot Ion	Ratio	Resp	Lower	Upper
82	100	392484		
128	35.2	26.4	39.6	
54	57.8	49.4	74.2	

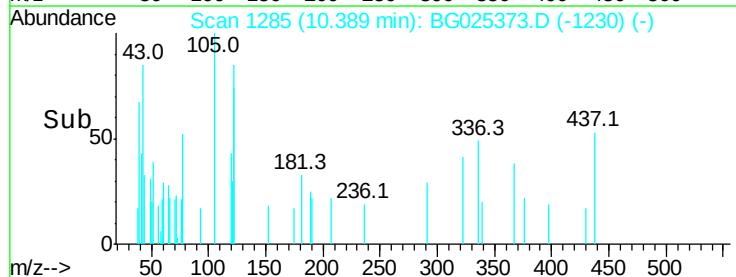
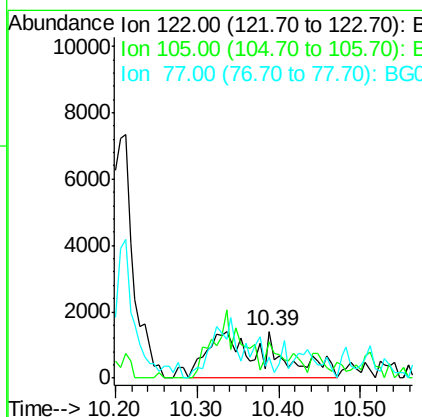
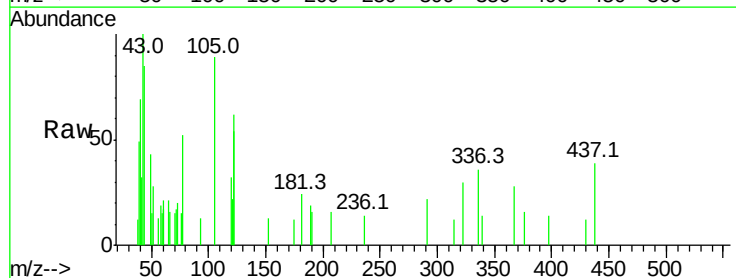
Manual Integrations
APPROVED

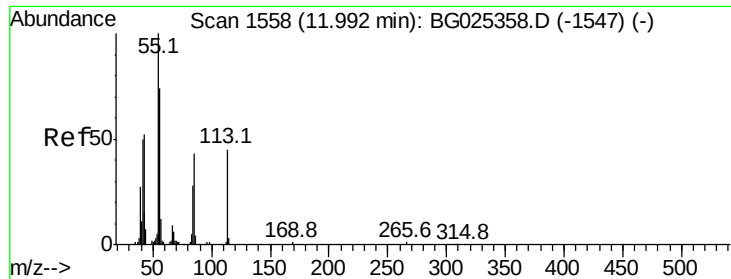
sohil
12/22/2016 7:04:29 PM



#32
Benzoic acid
Concen: 3.11 ng m
RT: 10.39 min Scan# 1285
Delta R.T. 0.02 min
Lab File: BG025373.D
Acq: 22 Dec 2016 1:18

Tgt Ion	Ratio	Resp	Lower	Upper
122	100	7447		
105	145.0	120.1	160.1	
77	84.9	104.6	144.6	





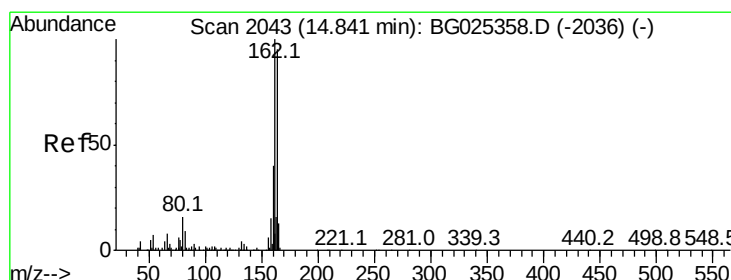
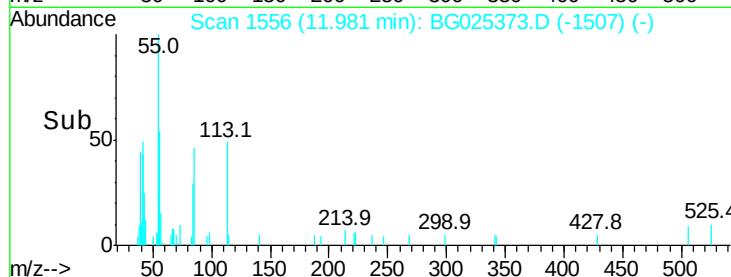
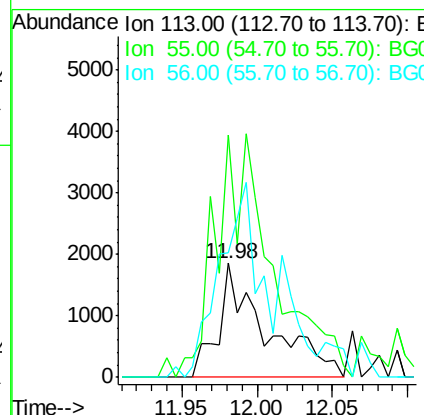
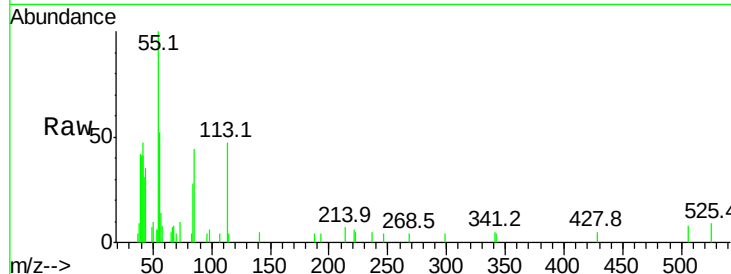
#35
 Caprolactam
 Concen: 3.39 ng/ml
 RT: 11.98 min Scan# 1556
 Delta R.T. -0.01 min
 Lab File: BG025373.D
 Acq: 22 Dec 2016 1:18

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

Tot Ion	Ratio	Lower	Upper
113	100		
55	211.7	198.6	238.6
56	109.5	140.4	180.4

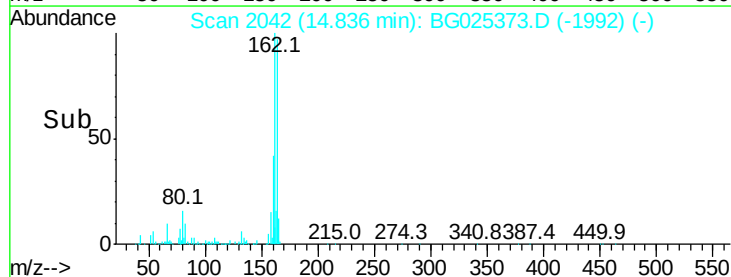
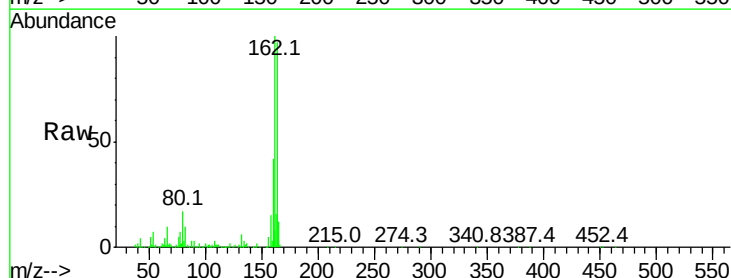
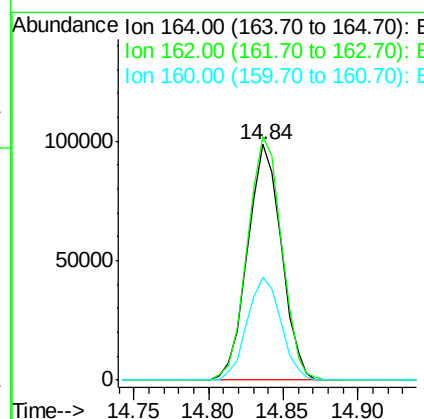
Manual Integrations
 APPROVED

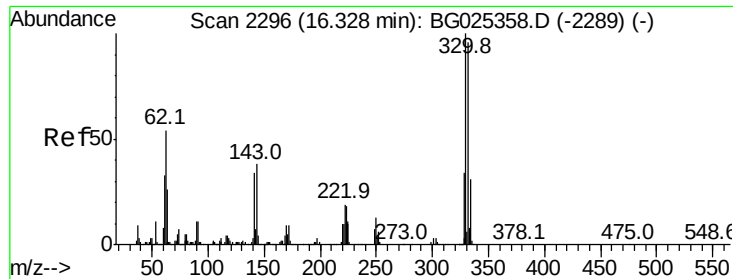
sohil
 12/22/2016 7:04:29 PM



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.84 min Scan# 2042
 Delta R.T. -0.00 min
 Lab File: BG025373.D
 Acq: 22 Dec 2016 1:18

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.3	85.1	127.7
160	43.9	34.7	52.1





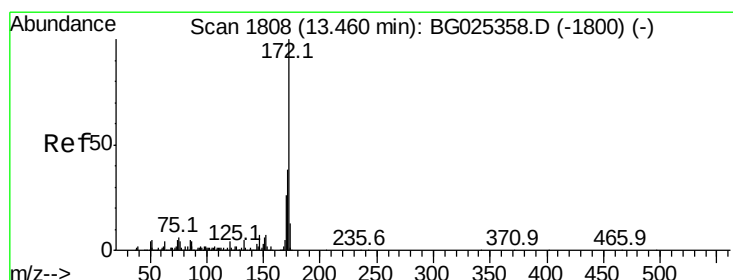
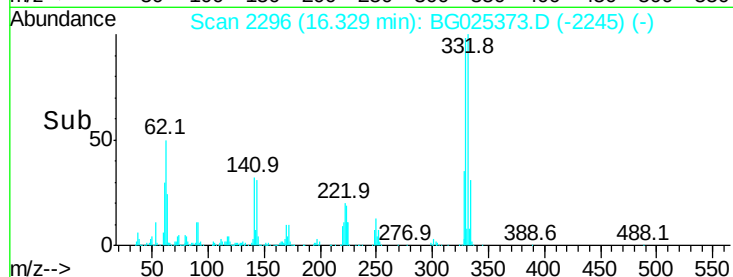
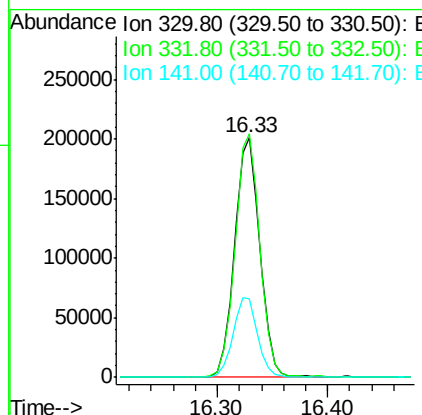
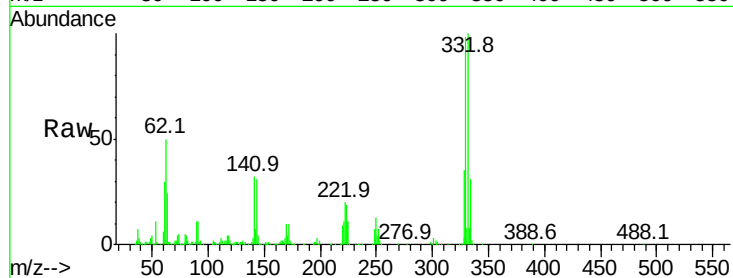
#41
 2,4,6-Tribromophenol
 Concen: 129.72 ng
 RT: 16.33 min Scan# 2296
 Delta R.T. 0.00 min
 Lab File: BG025373.D
 Acq: 22 Dec 2016 1:18

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

Tot Ion	Ratio	Resp	Lower	Upper
330	100	322467		
332	99.8	77.3	115.9	
141	32.4	32.1	48.1	

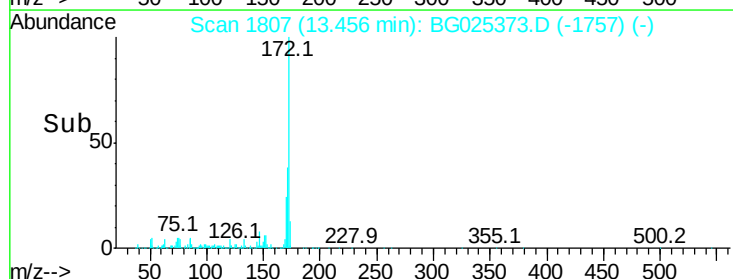
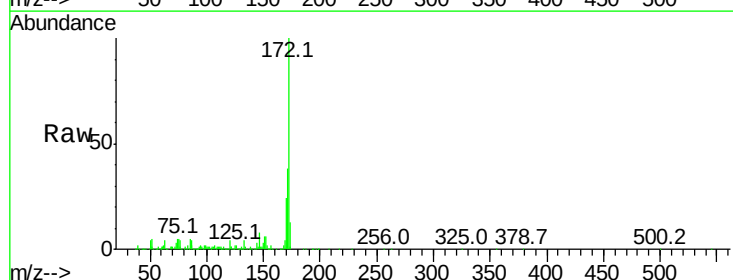
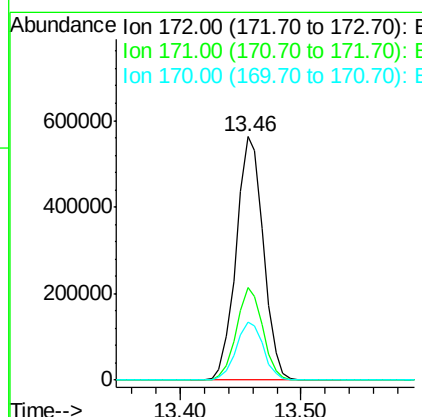
Manual Integrations
 APPROVED

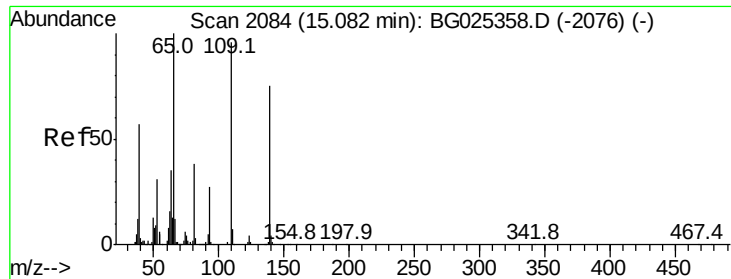
sohil
 12/22/2016 7:04:29 PM



#44
 2-Fluorobiphenyl
 Concen: 92.34 ng
 RT: 13.46 min Scan# 1807
 Delta R.T. -0.00 min
 Lab File: BG025373.D
 Acq: 22 Dec 2016 1:18

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	880605		
171	37.9	32.2	48.2	
170	23.8	21.8	32.6	





#55

4-Nitrophenol

Concen: 3.21 ng/ml

RT: 15.11 min Scan# 2088

Delta R.T. 0.02 min

Lab File: BG025373.D

Acq: 22 Dec 2016 1:18

Instrument:

BNA_G

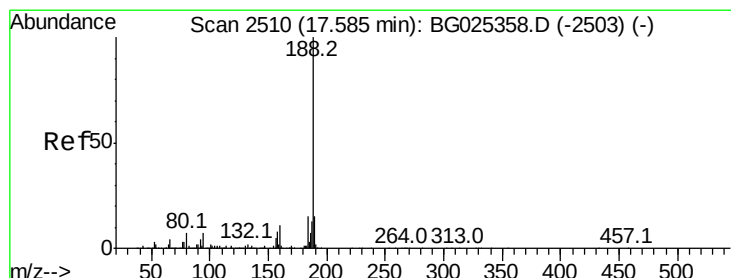
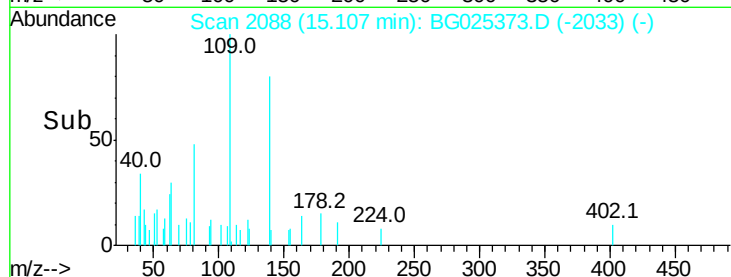
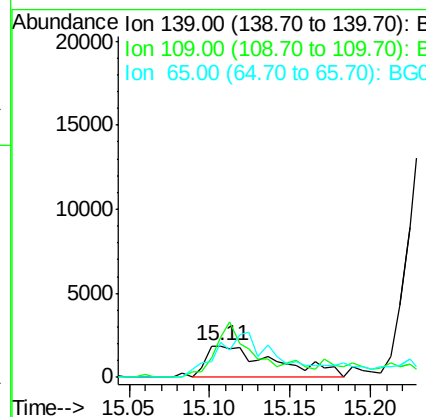
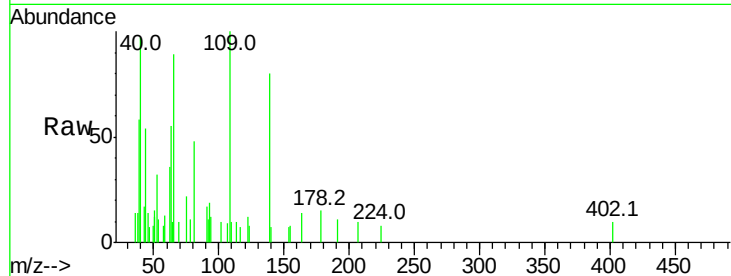
ClientSampleId:

LOD-SOIL-01-QT1-2017

Tot Ion	Ratio	Lower	Upper
139	100		
109	124.3	101.2	141.2
65	110.3	135.3	175.3#

Manual Integrations
APPROVED

sohil
12/22/2016 7:04:29 PM



#63

Phenanthrene-d10

Concen: 20.00 ng

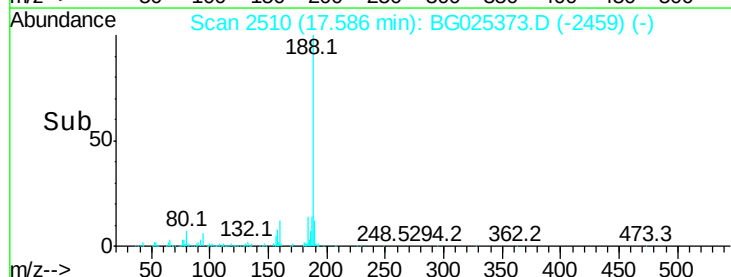
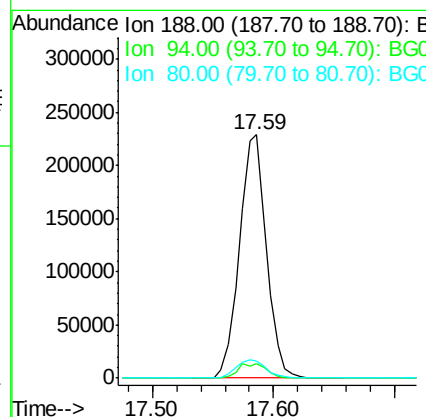
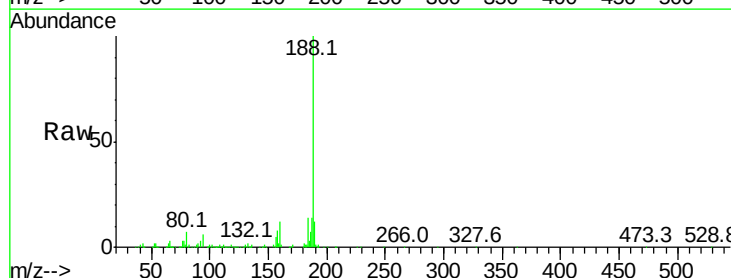
RT: 17.59 min Scan# 2510

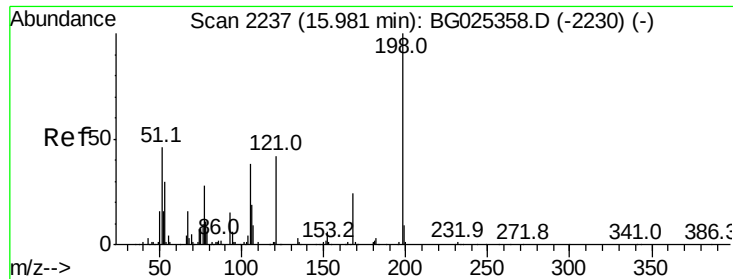
Delta R.T. 0.00 min

Lab File: BG025373.D

Acq: 22 Dec 2016 1:18

Tgt Ion	Ratio	Lower	Upper
188	100		
94	5.8	5.8	8.8#
80	6.9	7.5	11.3#





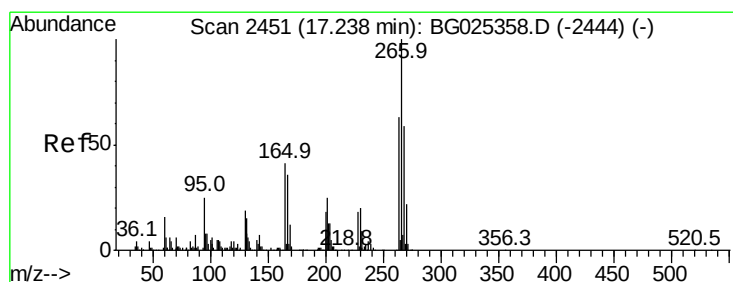
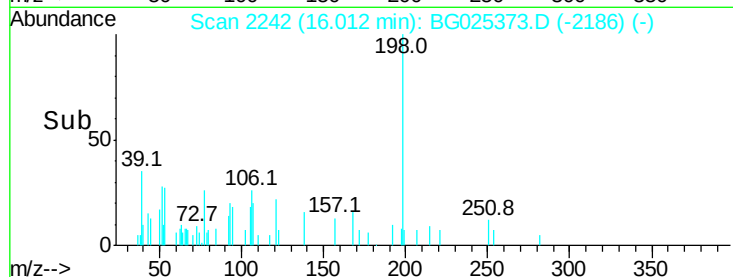
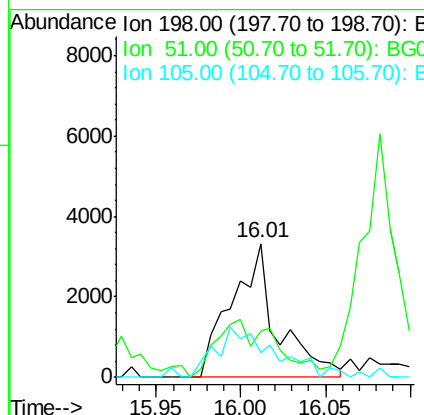
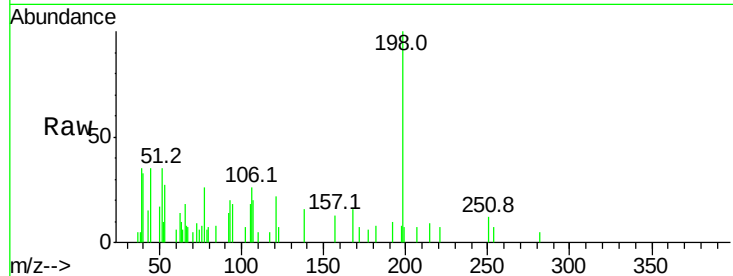
#64
4,6-Dinitro-2-methylphenol
Concen: 2.56 ng
RT: 16.01 min Scan# 2242
Delta R.T. 0.03 min
Lab File: BG025373.D
Acq: 22 Dec 2016 1:18

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

Tot Ion	Ratio	Resp	Lower	Upper
198	100	6285		
51	34.6		22.6	62.6
105	18.4		14.4	54.4

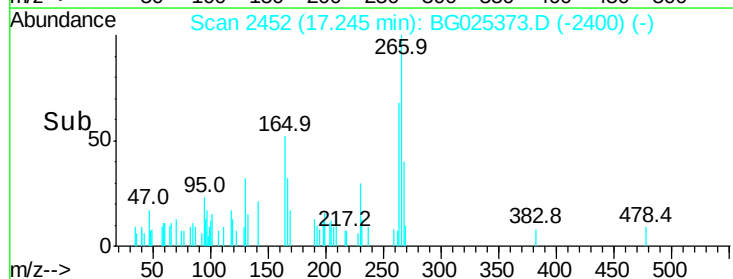
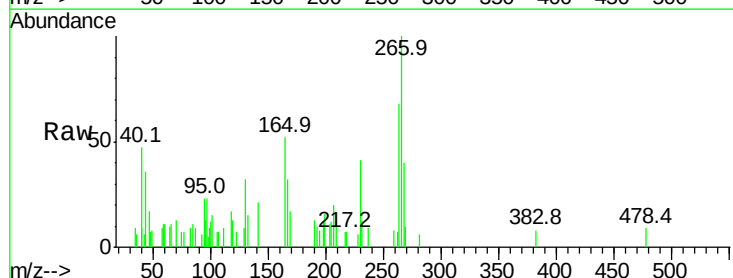
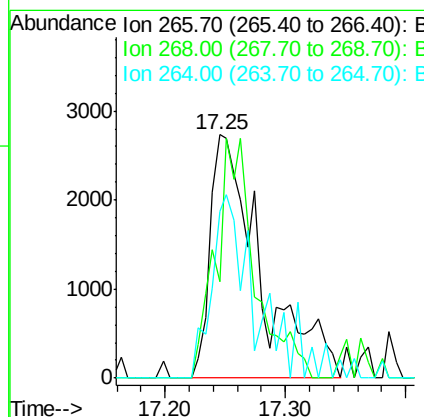
Manual Integrations
APPROVED

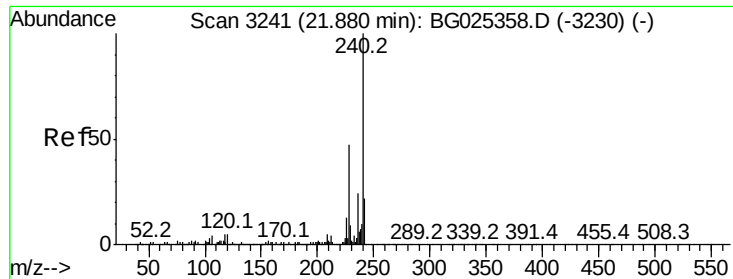
sohil
12/22/2016 7:04:29 PM



#69
Pentachlorophenol
Concen: 3.06 ng m
RT: 17.25 min Scan# 2452
Delta R.T. 0.01 min
Lab File: BG025373.D
Acq: 22 Dec 2016 1:18

Tgt Ion	Ratio	Resp	Lower	Upper
266	100	7986		
268	39.6		48.6	72.8#
264	68.3		50.1	75.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.88 min Scan# 3240

Delta R.T. -0.00 min

Lab File: BG025373.D

Acq: 22 Dec 2016 1:18

Instrument :

BNA_G

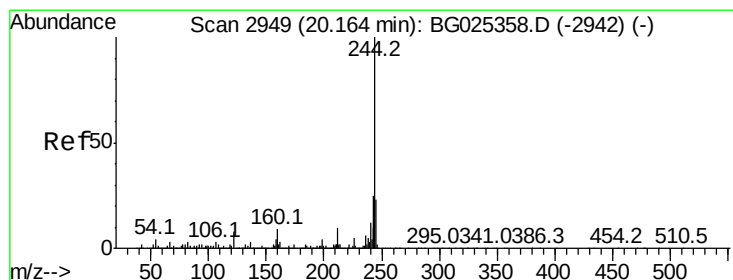
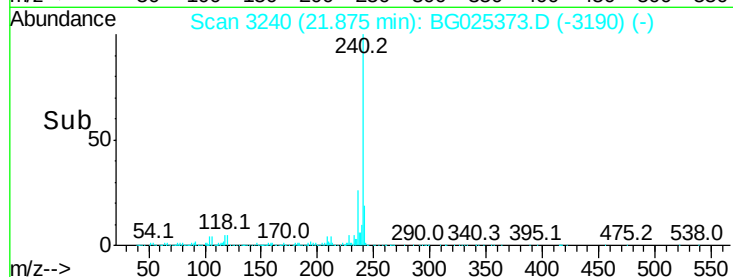
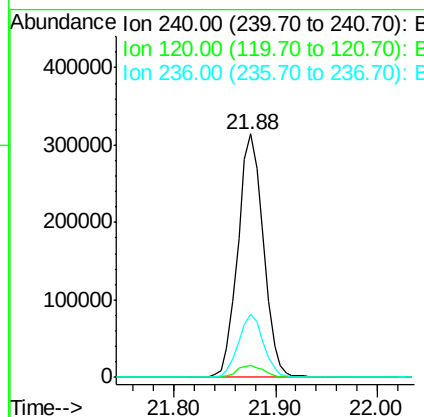
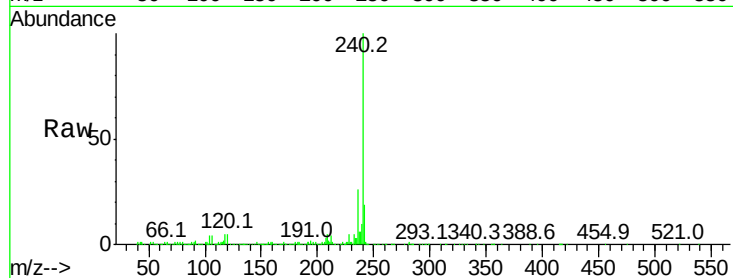
ClientSampleId :

LOD-SOIL-01-QT1-2017

Tot Ion	Ratio	Lower	Upper
240	100		
120	5.0	5.7	8.5#
236	25.9	22.2	33.4

Manual Integrations
APPROVED

sohil
12/22/2016 7:04:29 PM



#78

Terphenyl-d14

Concen: 86.56 ng

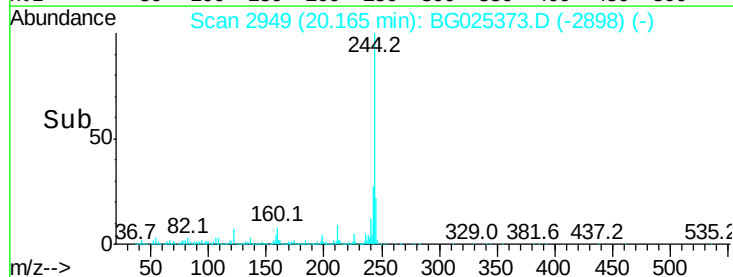
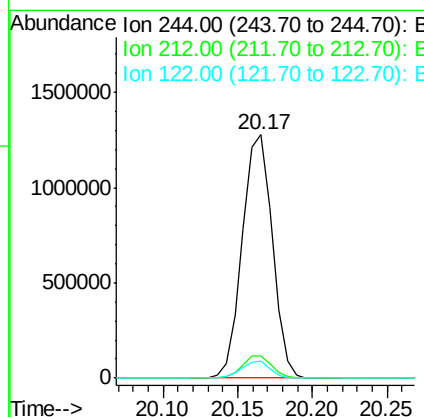
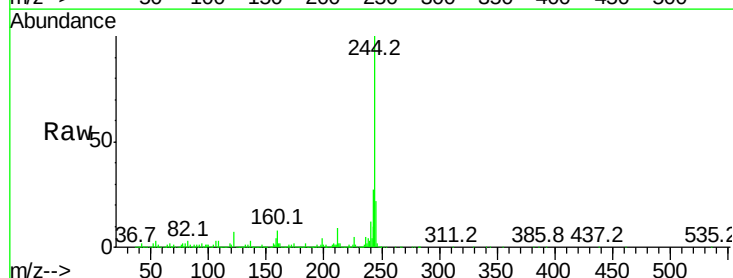
RT: 20.17 min Scan# 2949

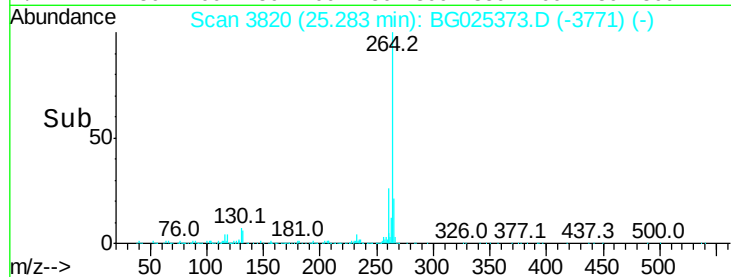
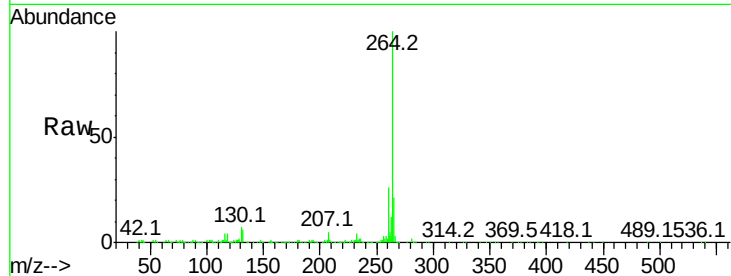
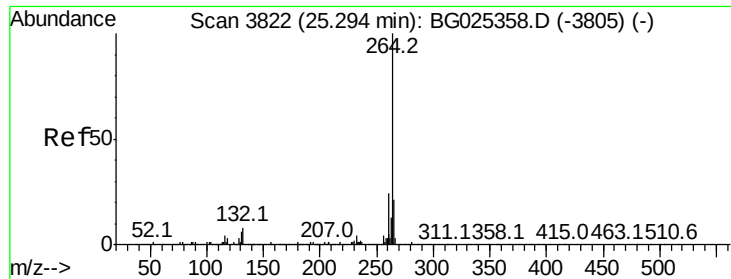
Delta R.T. 0.00 min

Lab File: BG025373.D

Acq: 22 Dec 2016 1:18

Tgt Ion	Ratio	Lower	Upper
244	100		
212	9.1	10.0	15.0#
122	6.8	8.6	12.8#





#86
Pervlene-d12
Concen: 20.00 ng
RT: 25.28 min Scan# 3820
Delta R.T. -0.01 min
Lab File: BG025373.D
Acq: 22 Dec 2016 1:18

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

Tot Ion	Ratio	Resp Lower	Upper
264	100		
260	25.8	21.8	32.8
265	20.8	18.2	27.4

Manual Integrations
APPROVED

sohil
12/22/2016 7:04:29 PM

