

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG072418\
 Data File : BG035844.D
 Acq On : 24 Jul 2018 12:30
 Operator : JU/SJ
 Sample : J3762-01
 Misc : LOD 5PPM
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2018

Manual Integrations
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 7/25/2018 6:34:50 PM

Quant Time: Jul 25 16:22:23 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG071218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 24 14:48:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.03	152	33905	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	124587	20.00	ng	0.00
38) Acenaphthene-d10	14.65	164	91476	20.00	ng	0.00
63) Phenanthrene-d10	17.39	188	251567	20.00	ng	0.00
75) Chrysene-d12	21.66	240	301745	20.00	ng	0.00
86) Perylene-d12	24.85	264	281576	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	253987	124.37	ng	0.00
7) Phenol-d6	7.19	99	374343	122.86	ng	0.00
23) Nitrobenzene-d5	9.19	82	251834	84.44	ng	0.00
41) 2,4,6-Tribromophenol	16.14	330	162129	134.47	ng	0.00
44) 2-Fluorobiphenyl	13.27	172	591206	86.59	ng	0.00
78) Terphenyl-d14	20.00	244	1354554	98.95	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.52	88	4544	4.372	ng	# 69
3) Pyridine	3.93	79	8978	3.309	ng	# 76
4) n-Nitrosodimethylamine	3.84	42	4341	3.726	ng	# 54
32) Benzoic acid	10.07	122	625m	0.515	ng	
33) 4-Chloroaniline	11.01	127	7308	2.584	ng	# 88
35) Caprolactam	11.76	113	3120m	3.532	ng	
52) 3-Nitroaniline	14.57	138	5537	3.319	ng	# 78
55) 4-Nitrophenol	14.96	139	738	0.621	ng	95
64) 4,6-Dinitro-2-methylphenol	15.79	198	1035	0.739	ng	# 29

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

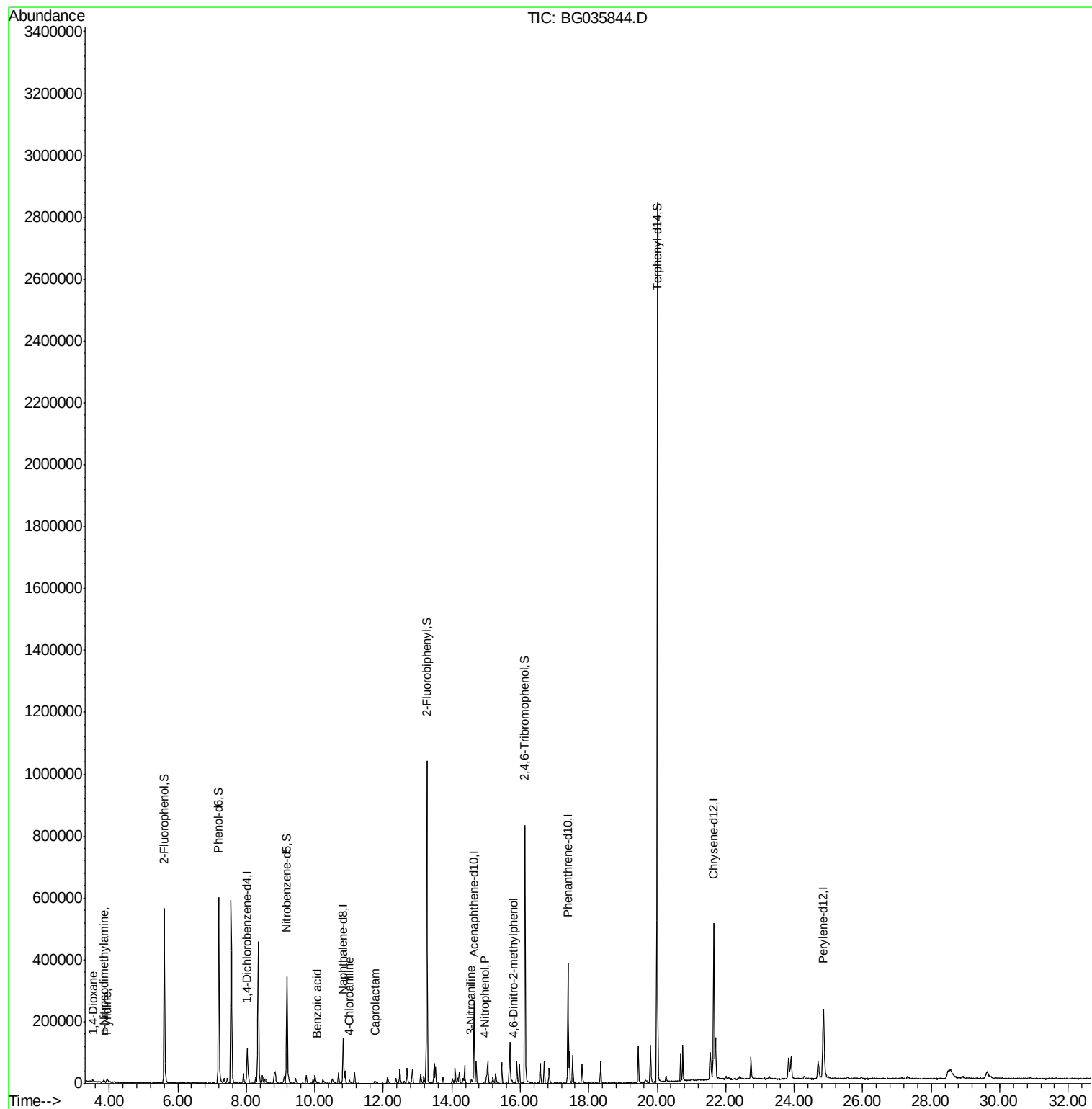
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG072418\
Data File : BG035844.D
Acq On : 24 Jul 2018 12:30
Operator : JU/SJ
Sample : J3762-01
Misc : LOD 5PPM
ALS Vial : 6 Sample Multiplier: 1

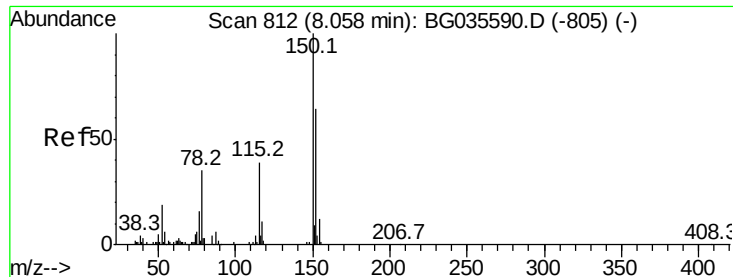
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2018

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7/25/2018 6:34:50 PM

Quant Time: Jul 25 16:22:23 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG071218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 24 14:48:00 2018
Response via : Initial Calibration





#1

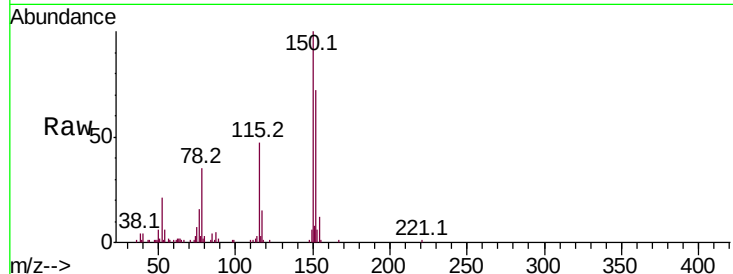
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.03 min Scan# 807
Delta R.T. 0.00 min
Lab File: BG035844.D
Acq: 24 Jul 2018 12:30

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2018

Tot Ion	Ratio	Lower	Upper
152	100		
150	139.7	126.6	189.8
115	65.6	53.0	79.4

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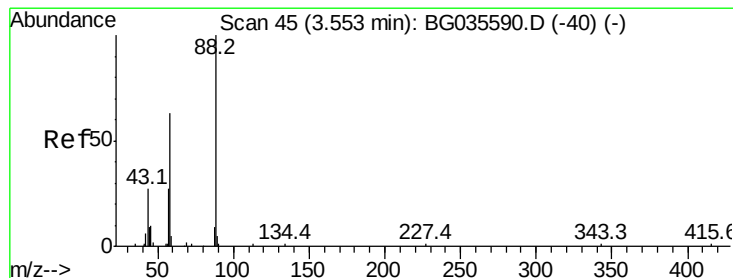
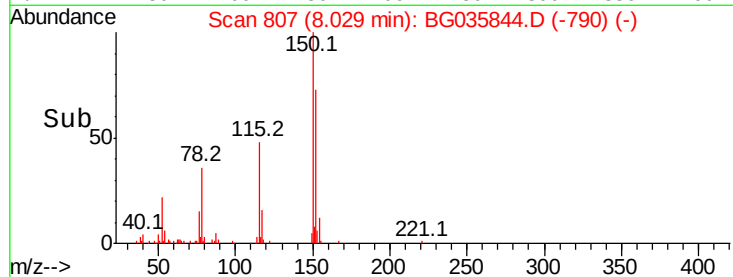
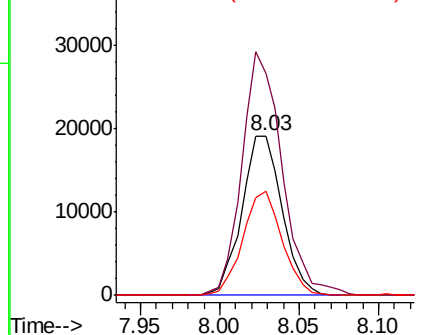


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

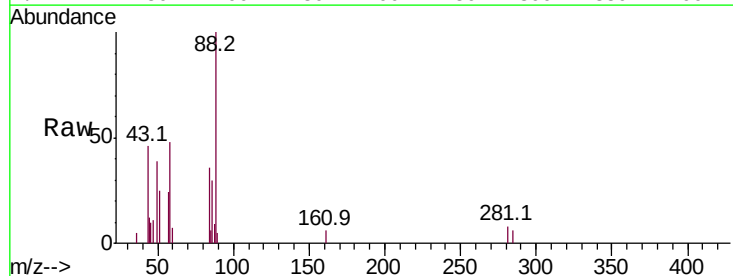
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane
Concen: 4.372 ng
RT: 3.52 min Scan# 39
Delta R.T. -0.01 min
Lab File: BG035844.D
Acq: 24 Jul 2018 12:30

Tgt Ion	Ratio	Lower	Upper
88	100		
58	64.6	79.6	119.4#
43	46.2	27.4	41.0#

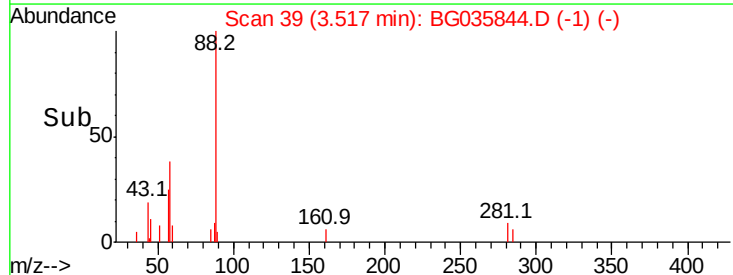
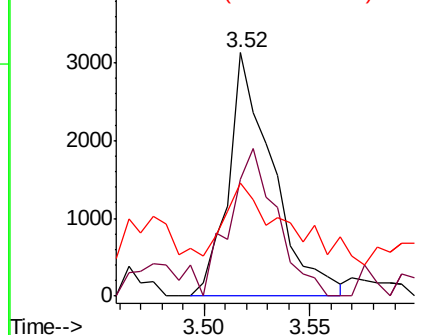


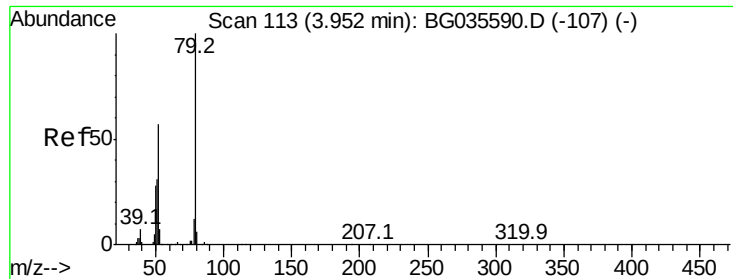
Abundance

Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





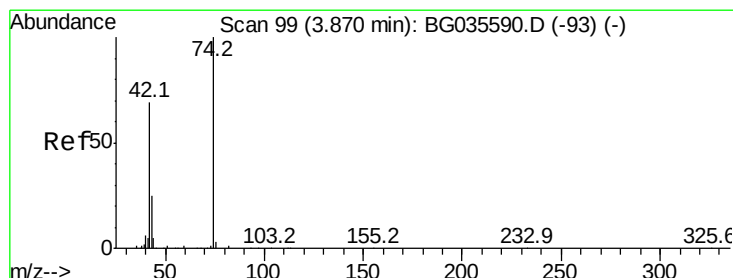
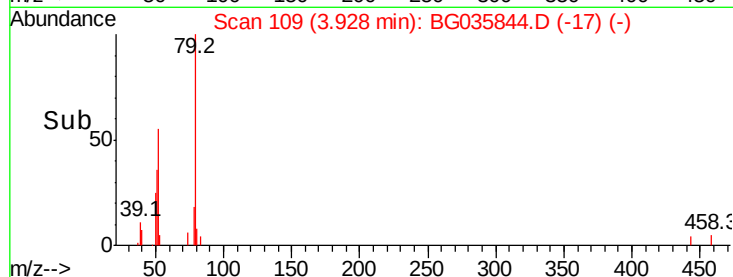
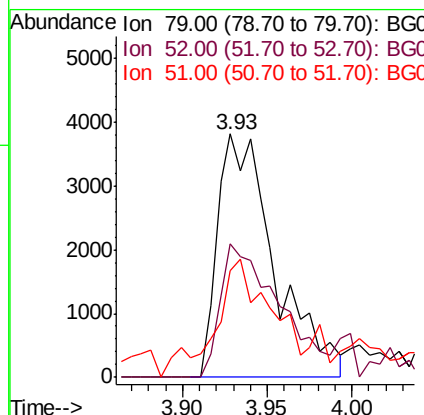
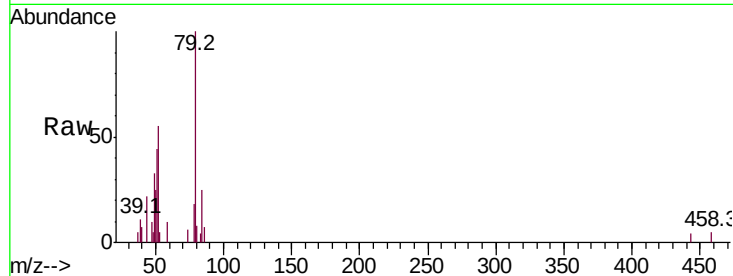
#3
 Pvridine
 Concen: 3.309 ng
 RT: 3.93 min Scan# 109
 Delta R.T. 0.01 min
 Lab File: BG035844.D
 Acq: 24 Jul 2018 12:30

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2018

Tot Ion	Ratio	Lower	Upper
79	100		
52	54.9	69.9	104.9#
51	43.6	34.0	51.0

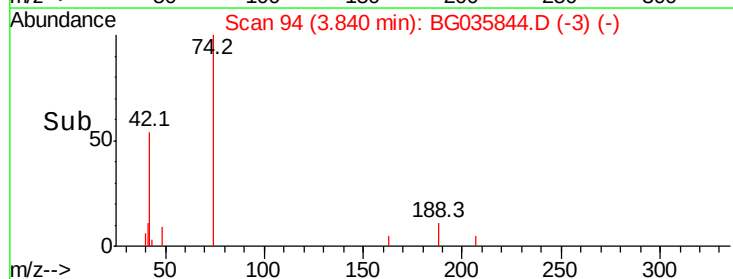
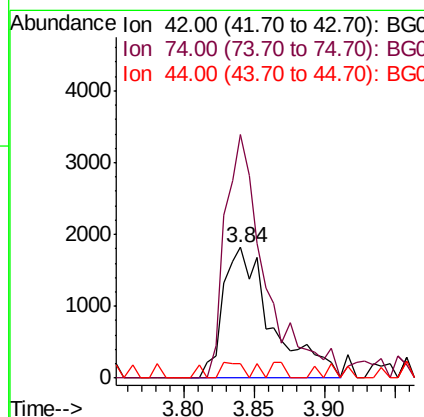
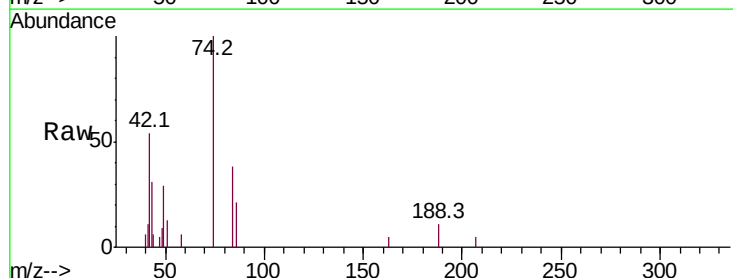
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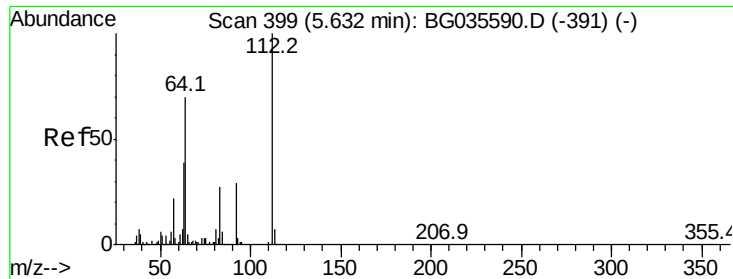
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#4
 n-Nitrosodimethylamine
 Concen: 3.726 ng
 RT: 3.84 min Scan# 94
 Delta R.T. 0.01 min
 Lab File: BG035844.D
 Acq: 24 Jul 2018 12:30

Tgt Ion	Ratio	Lower	Upper
42	100		
74	186.0	102.5	153.7#
44	11.5	18.9	28.3#





#5

2-Fluorophenol

Concen: 124.370 ng

RT: 5.61 min Scan# 395

Delta R.T. 0.00 min

Lab File: BG035844.D

Acq: 24 Jul 2018 12:30

Instrument :

BNA_G

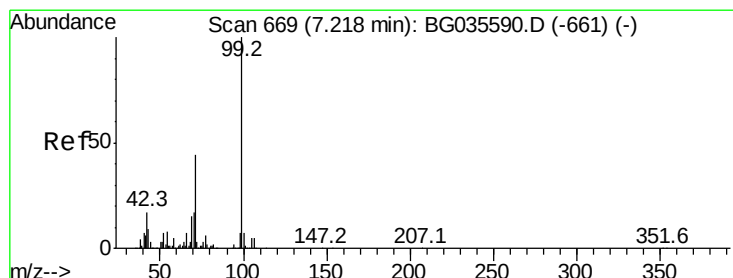
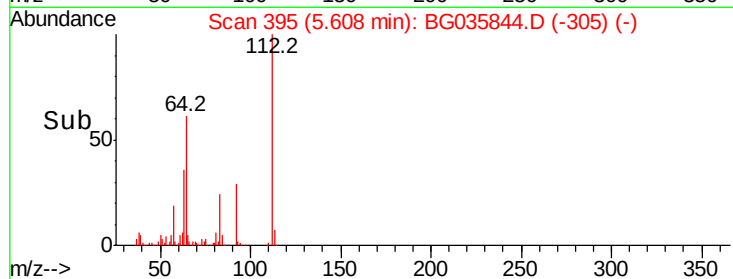
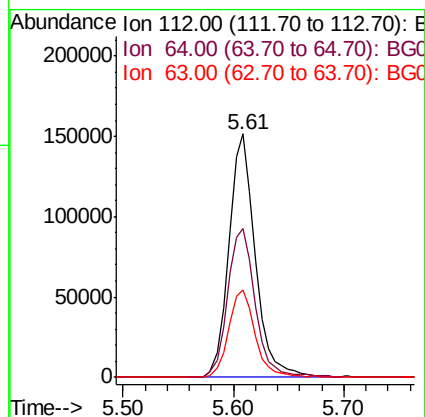
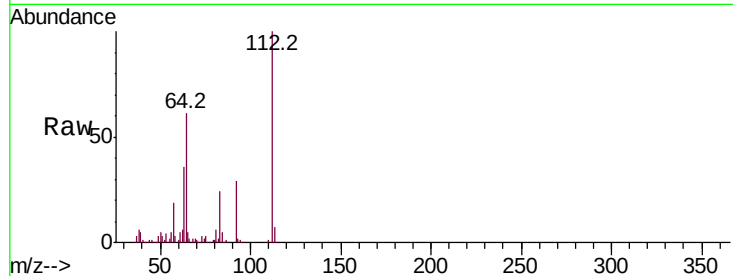
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

Tot Ion	Ratio	Resp	Lower	Upper
112	100	253987		
64	61.3	56.3	84.5	
63	36.1	30.1	45.1	

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#7

Phenol-d6

Concen: 122.860 ng

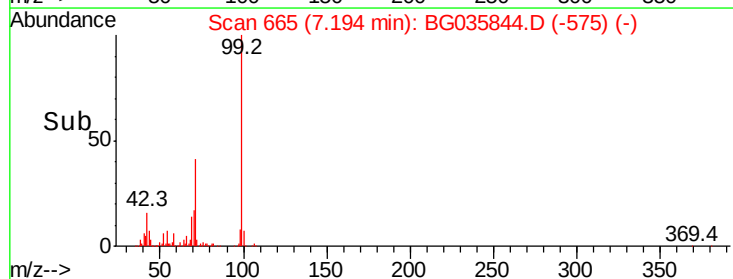
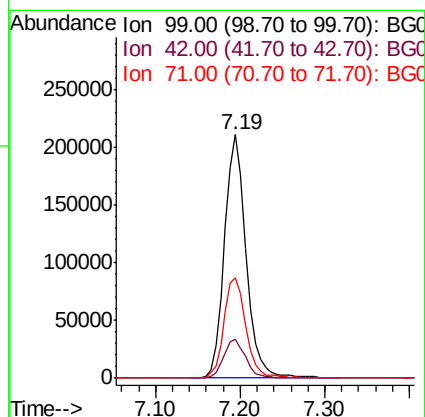
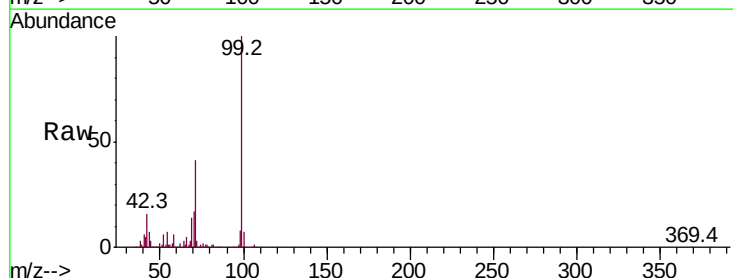
RT: 7.19 min Scan# 665

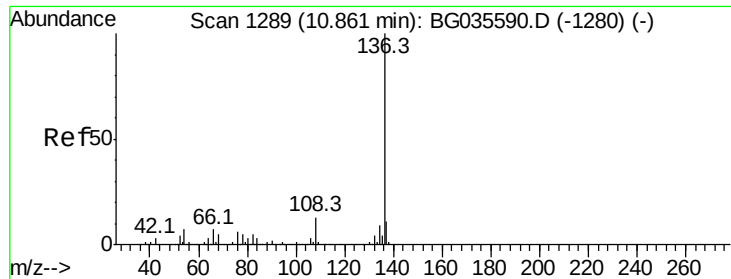
Delta R.T. 0.00 min

Lab File: BG035844.D

Acq: 24 Jul 2018 12:30

Tgt Ion	Ratio	Resp	Lower	Upper
99	100	374343		
42	15.8	14.1	21.1	
71	41.0	26.1	39.1	





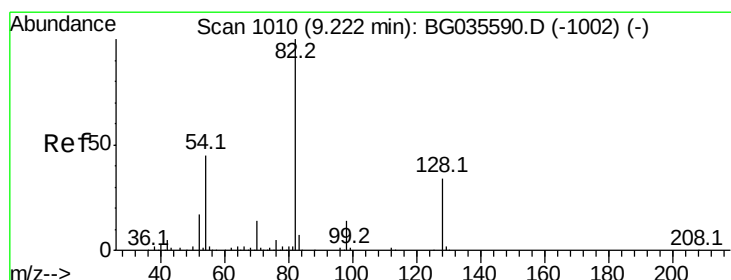
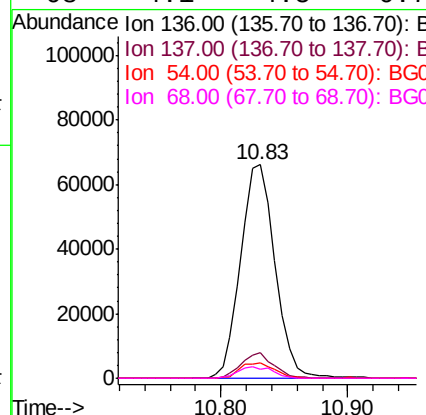
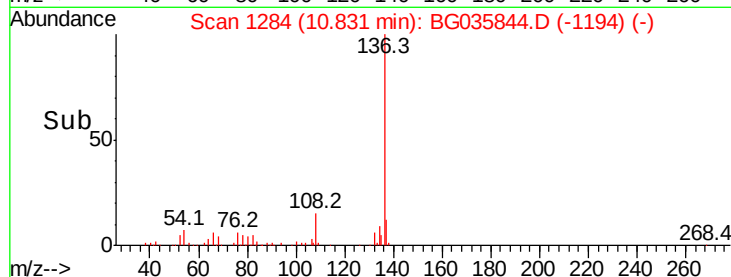
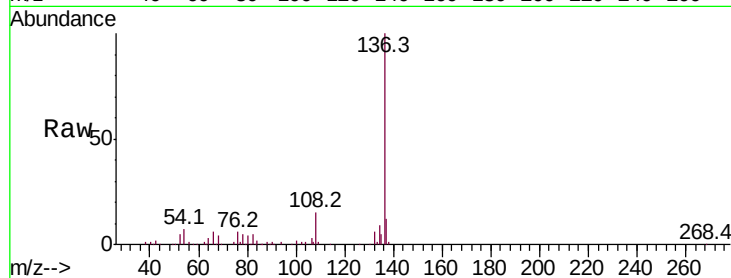
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1284
Delta R.T. 0.00 min
Lab File: BG035844.D
Acq: 24 Jul 2018 12:30

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2018

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	12.1	9.2	13.8	
54	7.1	10.3	15.5	
68	4.1	4.5	6.7	

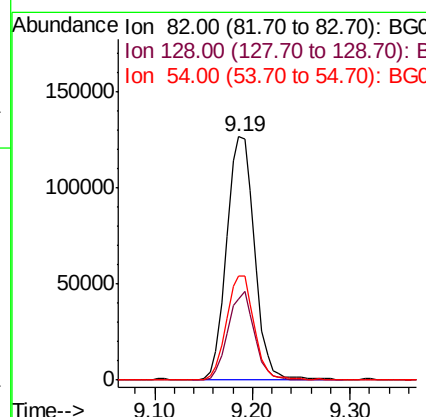
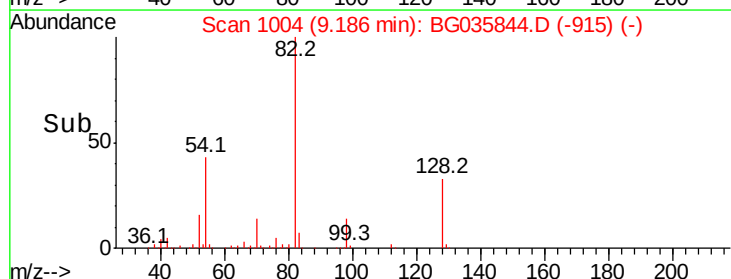
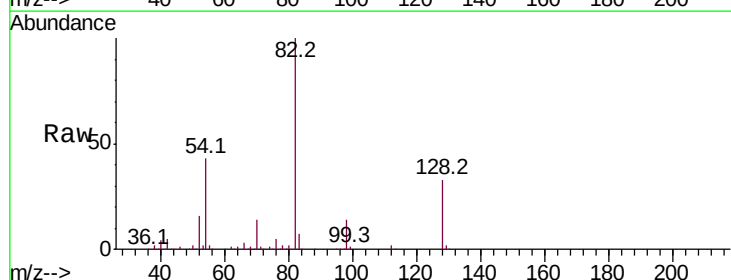
Manual Integrations
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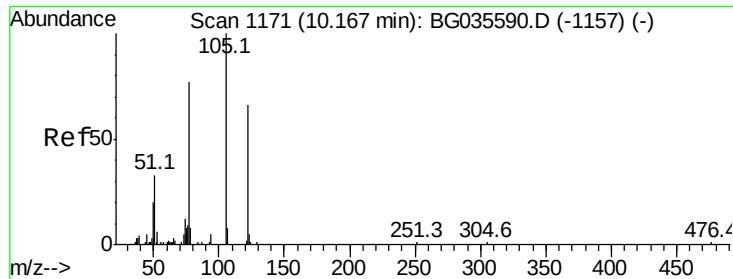
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#23
Nitrobenzene-d5
Concen: 84.441 ng
RT: 9.19 min Scan# 1004
Delta R.T. -0.01 min
Lab File: BG035844.D
Acq: 24 Jul 2018 12:30

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	33.4	29.7	44.5	
54	42.9	43.1	64.7	





#32

Benzoic acid

Concen: 0.515 ng m

RT: 10.07 min Scan# 1154

Delta R.T. -0.09 min

Lab File: BG035844.D

Acq: 24 Jul 2018 12:30

Instrument :

BNA_G

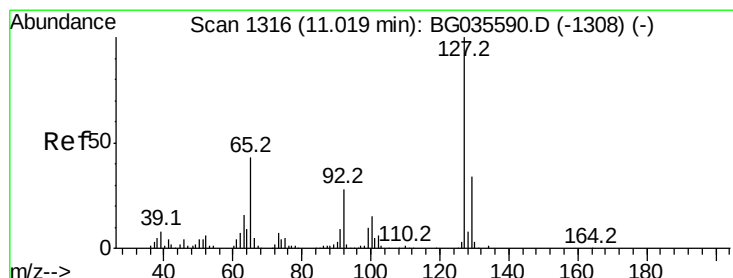
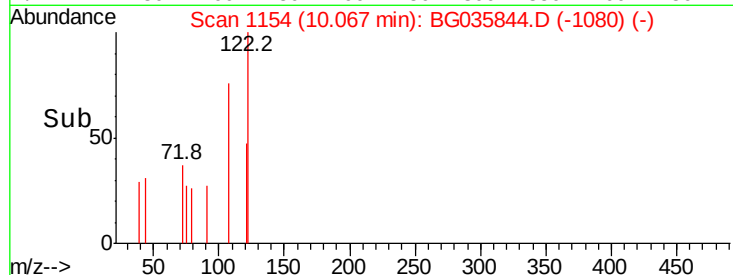
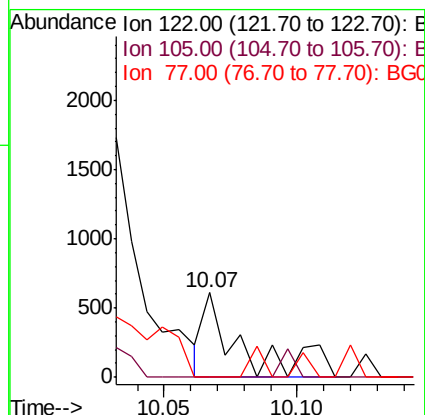
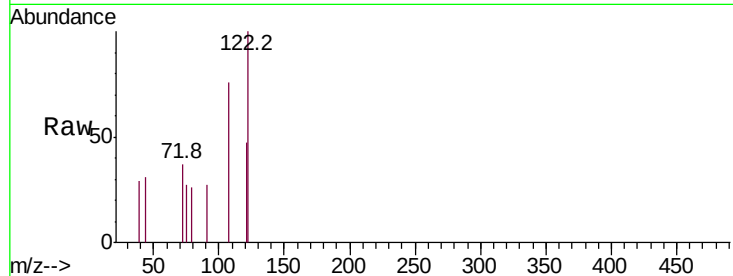
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

Tot Ion:	122	Resp:	625
Ion Ratio	Lower	Upper	
122	100		
105	0.0	123.5	163.5#
77	0.0	85.7	125.7#

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#33

4-Chloroaniline

Concen: 2.584 ng

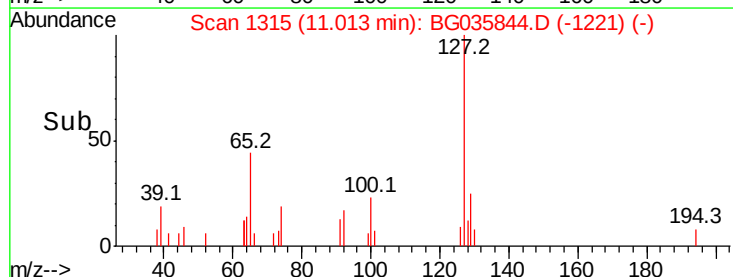
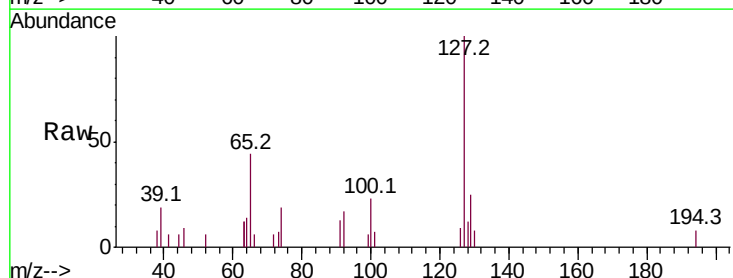
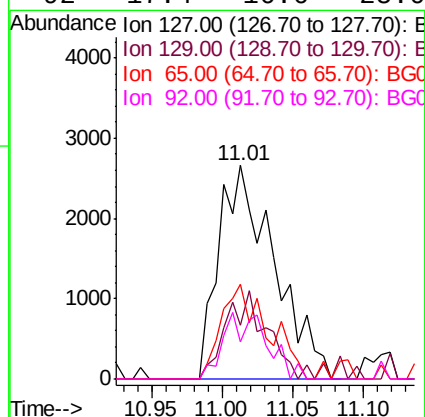
RT: 11.01 min Scan# 1315

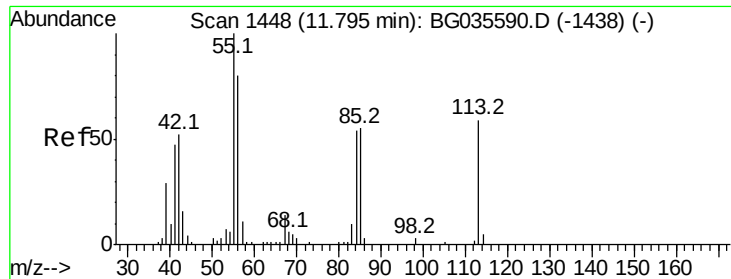
Delta R.T. 0.02 min

Lab File: BG035844.D

Acq: 24 Jul 2018 12:30

Tgt Ion:	127	Resp:	7308
Ion Ratio	Lower	Upper	
127	100		
129	25.1	24.0	36.0
65	44.4	27.0	40.4#
92	17.4	16.6	25.0





#35

Caprolactam

Concen: 3.532 ng/mL

RT: 11.76 min Scan# 1442

Delta R.T. -0.01 min

Lab File: BG035844.D

Acq: 24 Jul 2018 12:30

Instrument :

BNA_G

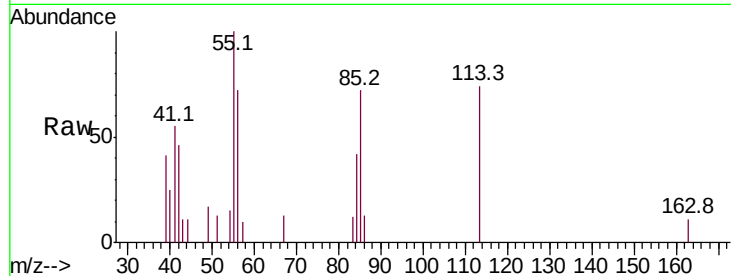
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

Tot Ion:	113	Resp:	3120
Ion Ratio	Lower	Upper	
113	100		
55	136.0	186.9	226.9#
56	97.7	130.9	170.9#

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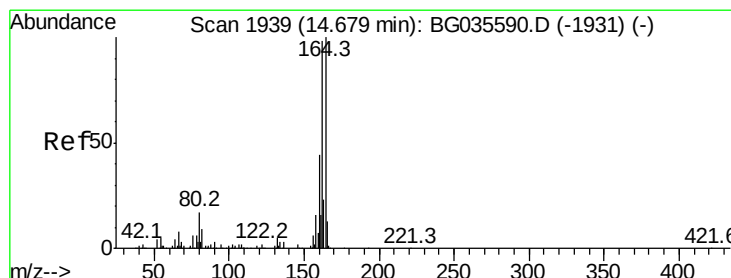
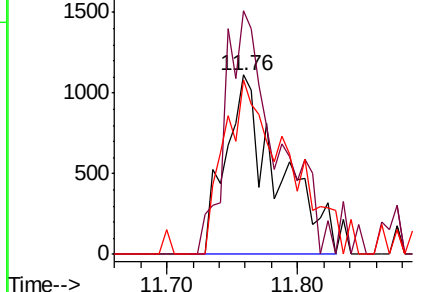
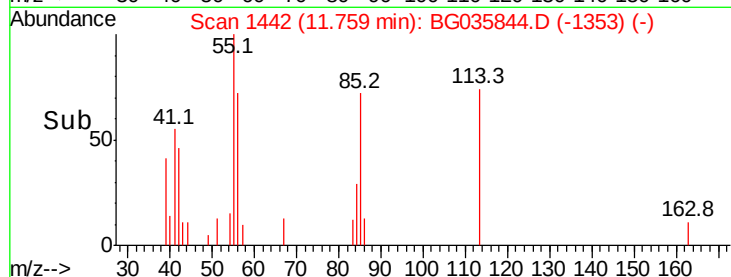
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Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BGC

Ion 56.00 (55.70 to 56.70): BGC



#38

Acenaphthene-d10

Concen: 20.000 ng

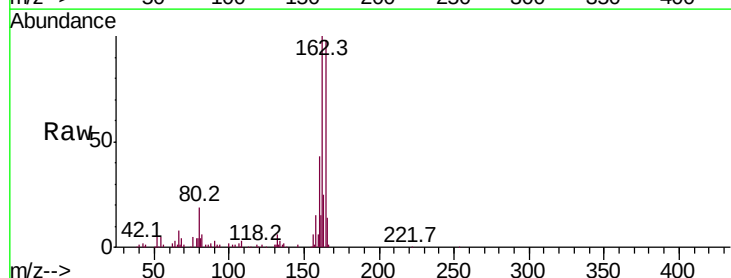
RT: 14.65 min Scan# 1934

Delta R.T. 0.00 min

Lab File: BG035844.D

Acq: 24 Jul 2018 12:30

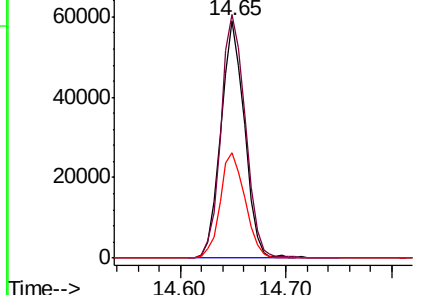
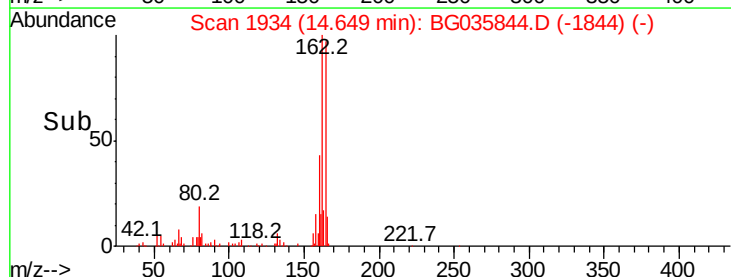
Tgt Ion:	164	Resp:	91476
Ion Ratio	Lower	Upper	
164	100		
162	102.4	78.8	118.2
160	44.3	35.4	53.0

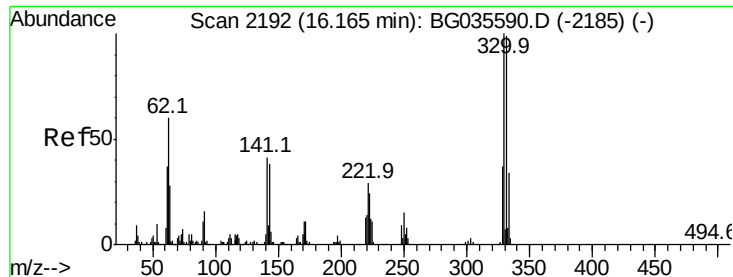


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#41

2,4,6-Tribromophenol

Concen: 134.467 ng

RT: 16.14 min Scan# 2188

Delta R.T. 0.00 min

Lab File: BG035844.D

Acq: 24 Jul 2018 12:30

Instrument :

BNA_G

ClientSampleId :

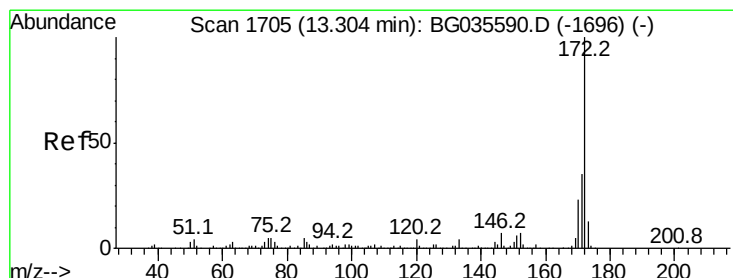
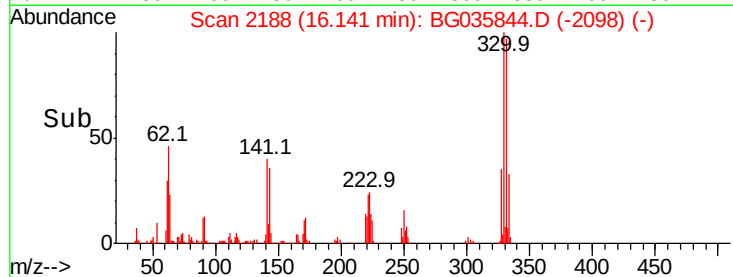
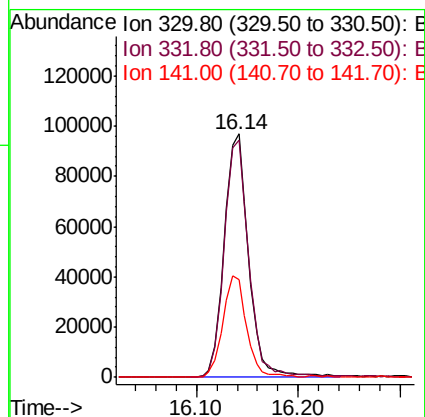
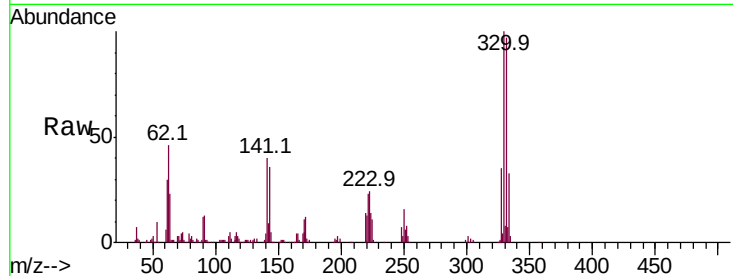
LOD-MDL-SOIL-01-QT3-2018

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.5	77.0	115.6
141	40.7	25.2	37.8#

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#44

2-Fluorobiphenyl

Concen: 86.587 ng

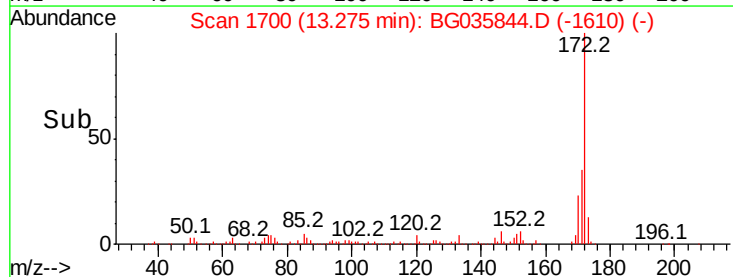
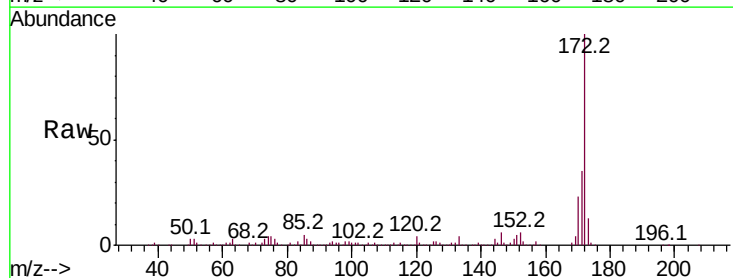
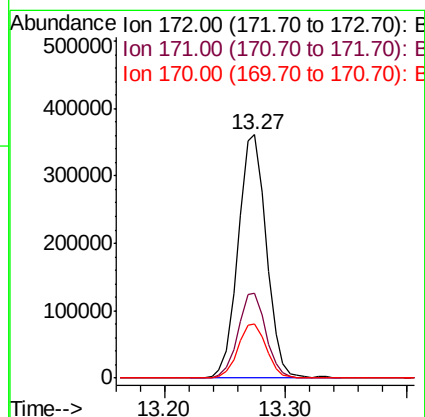
RT: 13.27 min Scan# 1700

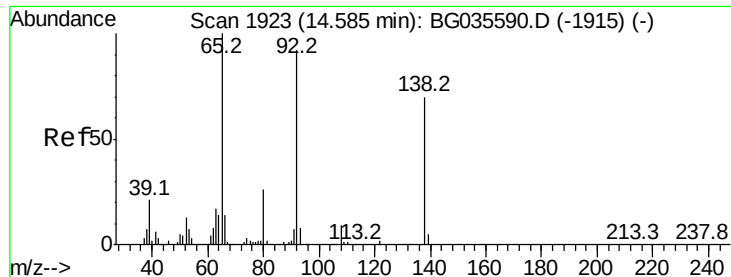
Delta R.T. 0.00 min

Lab File: BG035844.D

Acq: 24 Jul 2018 12:30

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.6	30.0	45.0
170	22.5	19.5	29.3





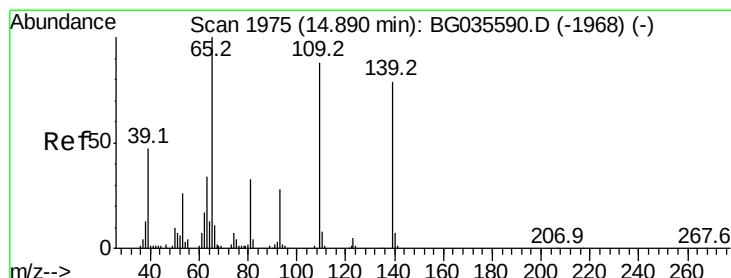
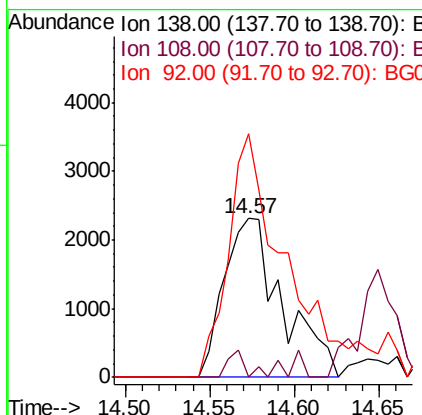
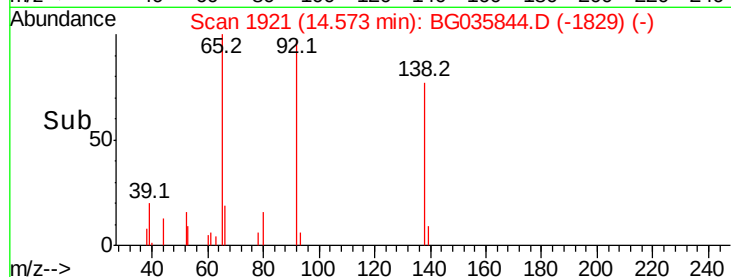
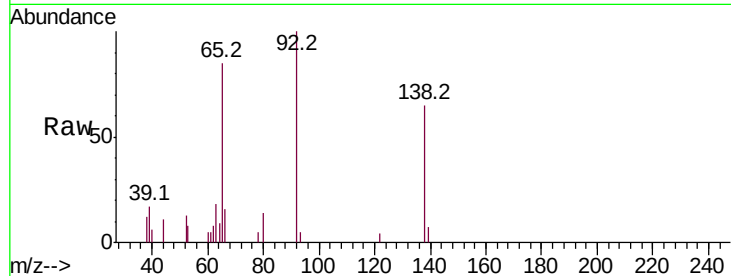
#52
3-Nitroaniline
Concen: 3.319 ng
RT: 14.57 min Scan# 1921
Delta R.T. 0.01 min
Lab File: BG035844.D
Acq: 24 Jul 2018 12:30

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2018

Tot Ion:138 Resp: 5537
Ion Ratio Lower Upper
138 100
108 0.0 17.5 26.3#
92 153.6 105.8 158.8

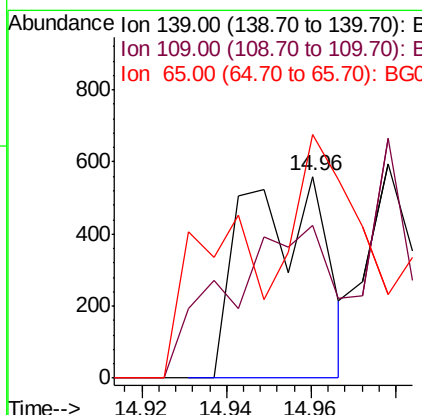
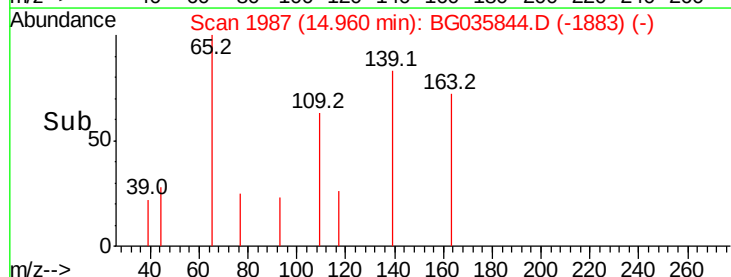
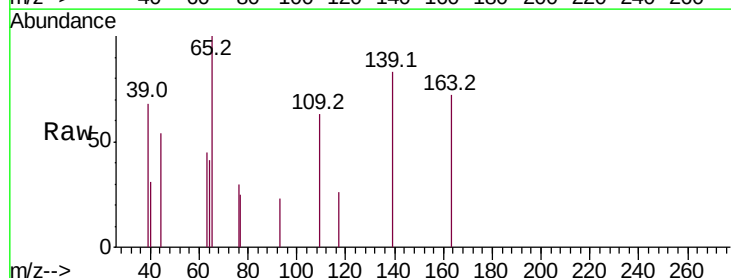
Manual Integrations
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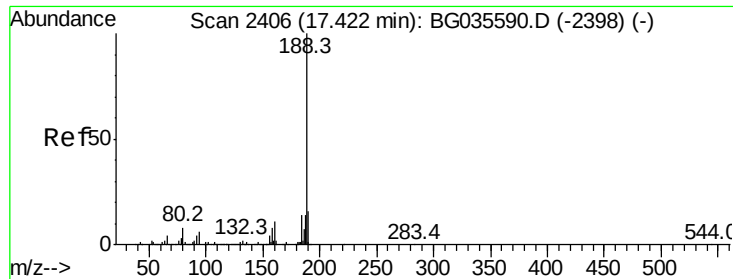
Sohil
7/25/2018 6:34:50 PM



#55
4-Nitrophenol
Concen: 0.621 ng
RT: 14.96 min Scan# 1987
Delta R.T. 0.08 min
Lab File: BG035844.D
Acq: 24 Jul 2018 12:30

Tgt Ion:139 Resp: 738
Ion Ratio Lower Upper
139 100
109 76.0 62.2 102.2
65 120.9 97.2 137.2





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.39 min Scan# 2401

Delta R.T. 0.00 min

Lab File: BG035844.D

Acq: 24 Jul 2018 12:30

Instrument :

BNA_G

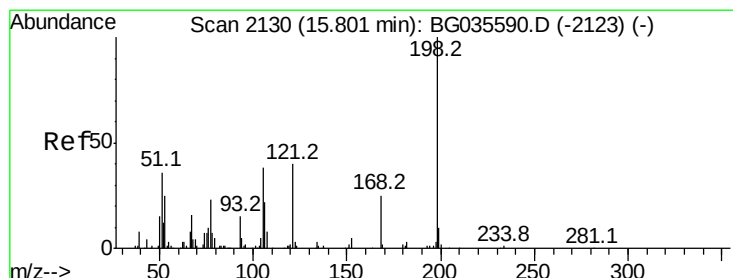
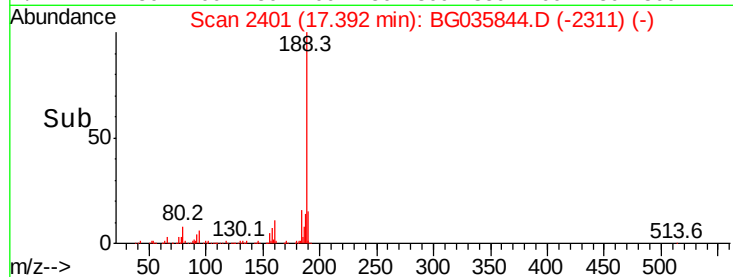
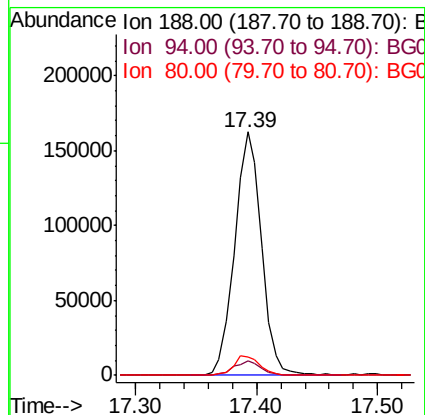
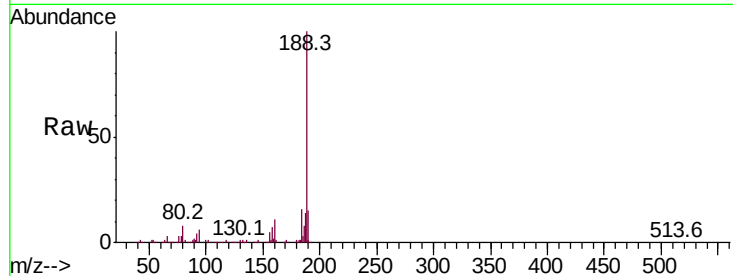
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

Tot Ion:	188	Resp:	251567
Ion Ratio	Lower	Upper	
188	100		
94	5.9	6.9	10.3#
80	7.7	7.7	11.5

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#64

4,6-Dinitro-2-methylphenol

Concen: 0.739 ng

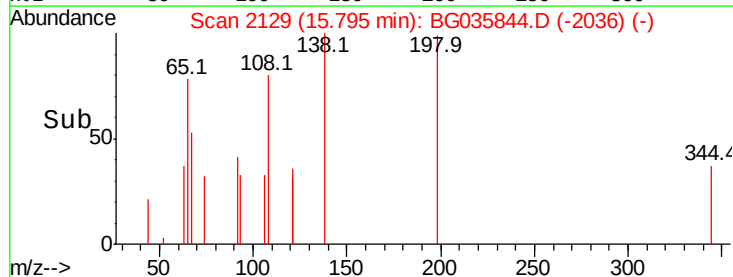
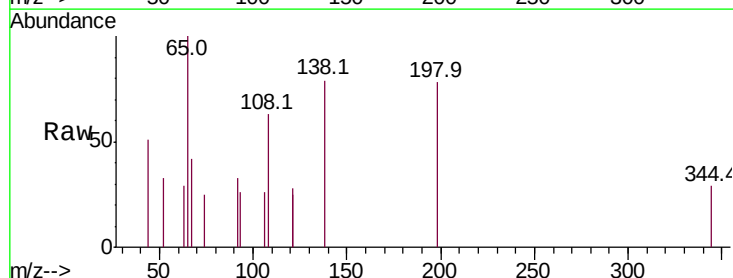
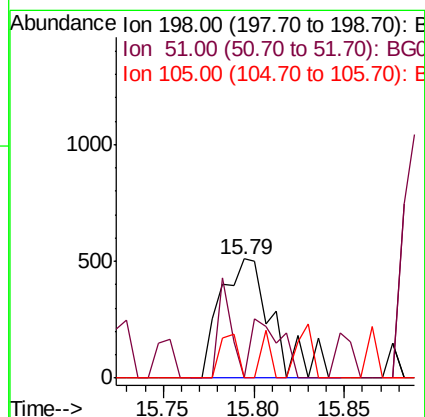
RT: 15.79 min Scan# 2129

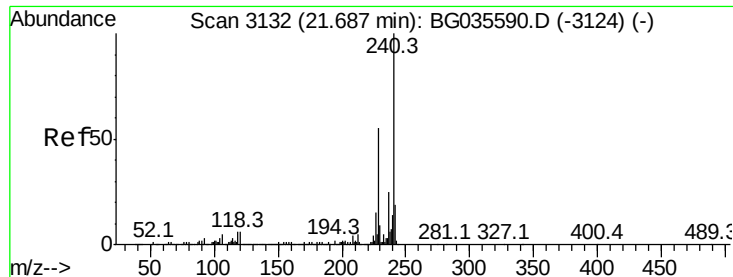
Delta R.T. 0.02 min

Lab File: BG035844.D

Acq: 24 Jul 2018 12:30

Tgt Ion:	198	Resp:	1035
Ion Ratio	Lower	Upper	
198	100		
51	0.0	30.6	70.6#
105	0.0	23.8	63.8#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.66 min Scan# 3127

Delta R.T. 0.00 min

Lab File: BG035844.D

Acq: 24 Jul 2018 12:30

Instrument :

BNA_G

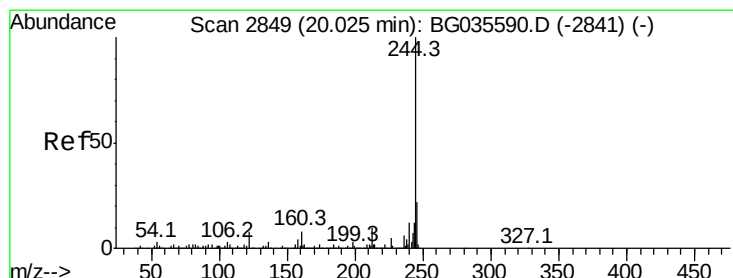
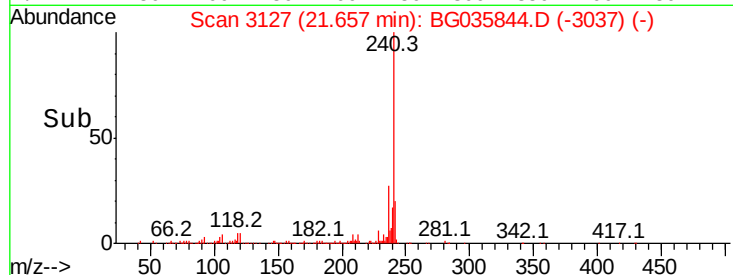
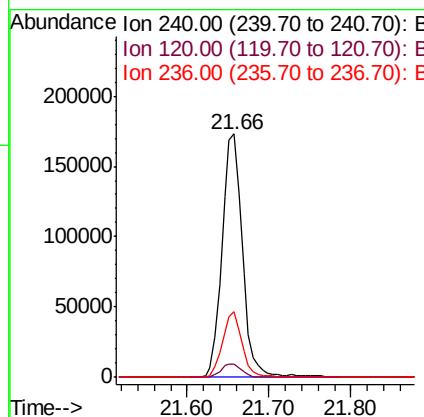
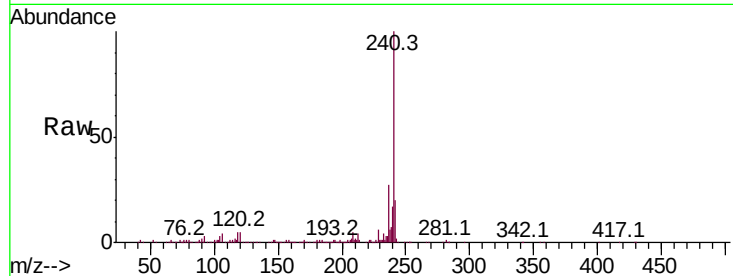
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

Tot Ion	Ratio	Lower	Upper
240	100		
120	5.2	6.8	10.2#
236	26.8	20.9	31.3

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#78

Terphenyl-d14

Concen: 98.953 ng

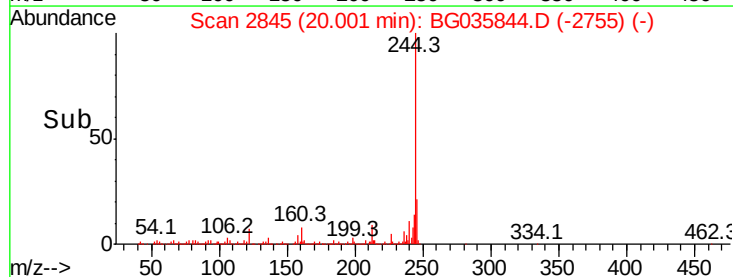
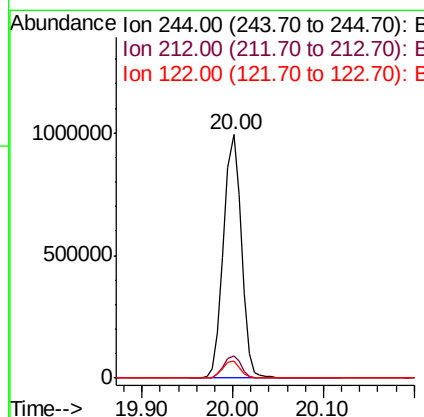
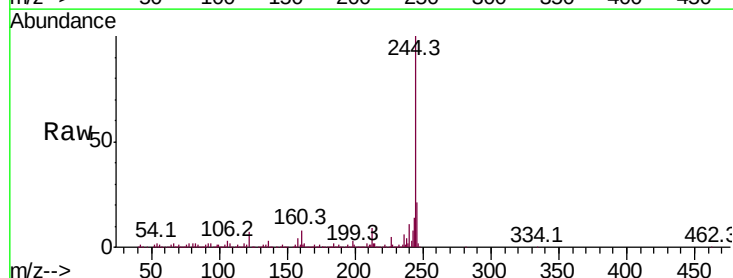
RT: 20.00 min Scan# 2845

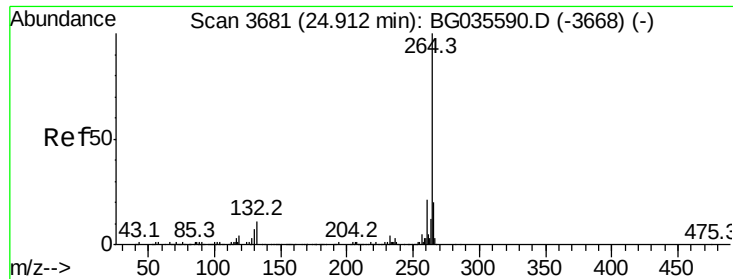
Delta R.T. 0.00 min

Lab File: BG035844.D

Acq: 24 Jul 2018 12:30

Tgt Ion	Ratio	Lower	Upper
244	100		
212	9.3	5.8	8.8#
122	7.2	7.0	10.4





#86
Pervlene-d12
Concen: 20.000 ng
RT: 24.85 min Scan# 3671
Delta R.T. -0.01 min
Lab File: BG035844.D
Acq: 24 Jul 2018 12:30

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2018

Tot Ion	Ratio	Resp	Lower	Upper
264	100			
260	23.8	17.4	26.0	
265	20.5	17.7	26.5	

Manual Integrations
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