

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG020119\
 Data File : BG039352.D
 Acq On : 1 Feb 2019 21:11
 Operator : JU/SJ
 Sample : K1299-10
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SPLP-LEACH-AMND-COMP-3

Quant Time: Feb 02 01:04:39 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG012919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 29 15:41:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.18	152	47772	20.00	ng	0.00
21) Naphthalene-d8	11.00	136	205145	20.00	ng	0.00
39) Acenaphthene-d10	14.80	164	133002	20.00	ng	0.00
64) Phenanthrene-d10	17.54	188	314010	20.00	ng	0.00
76) Chrysene-d12	21.83	240	336393	20.00	ng	-0.02
87) Perylene-d12	25.22	264	356772	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.71	112	178718	64.03	ng	0.00
7) Phenol-d6	7.31	99	155351	37.81	ng	0.00
23) Nitrobenzene-d5	9.36	82	392292	119.46	ng	0.00
42) 2,4,6-Tribromophenol	16.29	330	226281	157.99	ng	0.00
45) 2-Fluorobiphenyl	13.43	172	944029	101.82	ng	0.00
79) Terphenyl-d14	20.14	244	1331063	83.75	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.31	77	3134	Below Cal		# 1
10) Phenol	7.34	94	25653	5.990	ng	95
19) n-Nitroso-di-n-propylamine	9.36	70	52200	17.900	ng	# 70
26) 2-Nitrophenol	10.61	139	53	4.050	ng	# 31
31) Naphthalene	11.05	128	434563	42.700	ng	99
32) Benzoic acid	10.27	122	60	9.046	ng	# 1
33) 4-Chloroaniline	11.05	127	58719	12.444	ng	# 32
37) 2-Methylnaphthalene	12.64	142	101054	13.406	ng	95
38) 1-Methylnaphthalene	12.86	142	111310	15.319	ng	98
48) 2-Nitroaniline	13.95	65	88	8.327	ng	98
50) Dimethylphthalate	14.24	163	45621	4.247	ng	99
51) 2,6-Dinitrotoluene	14.80	165	18777	14.634	ng	# 26
52) Acenaphthene	14.87	154	81777	10.029	ng	96
53) 3-Nitroaniline	14.74	138	53	5.814	ng	# 1
56) 4-Nitrophenol	15.01	139	291	5.933	ng	# 87
57) 2,4-Dinitrotoluene	14.88	165	613	8.025	ng	# 1
58) Fluorene	15.84	166	43746	4.489	ng	95
62) 4-Nitroaniline	15.88	138	55	4.225	ng	# 10
65) 4,6-Dinitro-2-methylphenol	16.29	198	977	5.172	ng	# 1
67) 4-Bromophenyl-phenylether	16.29	248	17727	5.089	ng	# 1
71) Phenanthrene	17.59	178	114462	7.043	ng	98
77) Benzidine	20.14	184	23863	2.164	ng	# 94

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

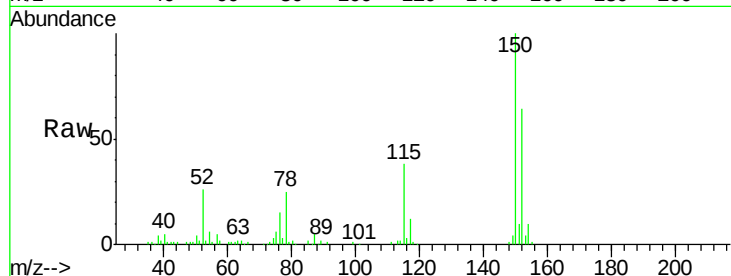


#1

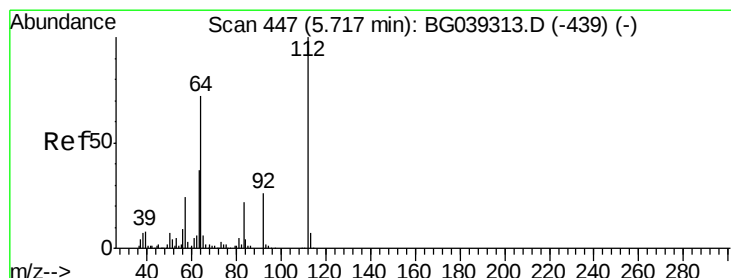
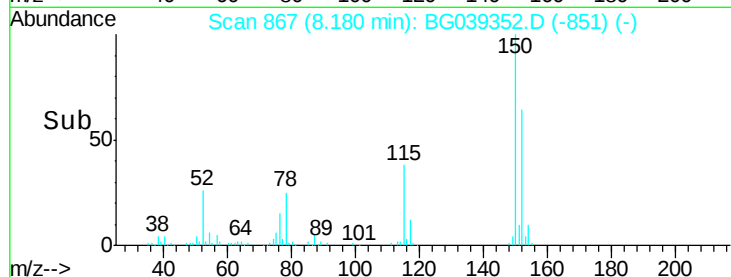
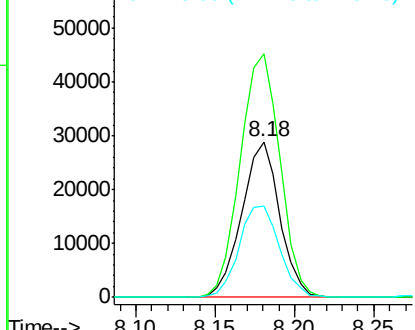
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.18 min Scan# 867
Delta R.T. -0.00 min
Lab File: BG039352.D
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Tgt Ion:152 Resp: 47772
Ion Ratio Lower Upper
152 100
150 156.8 123.7 185.5
115 58.9 45.9 68.9



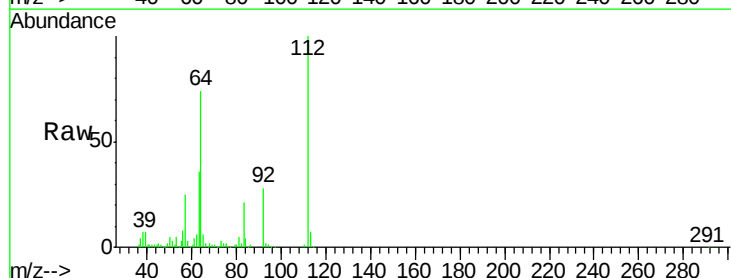
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



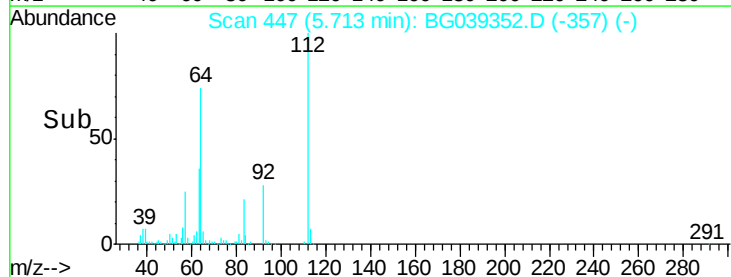
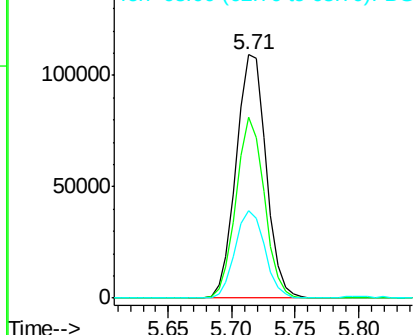
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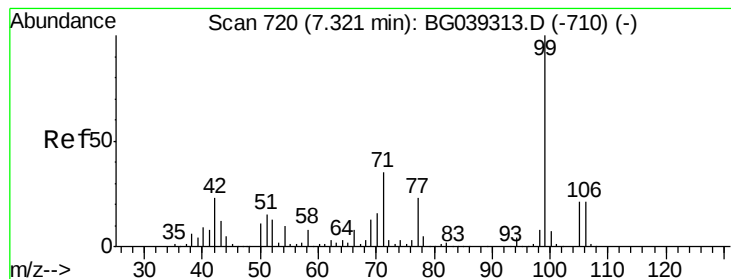
2-Fluorophenol
Concen: 64.029 ng
RT: 5.71 min Scan# 447
Delta R.T. -0.00 min
Lab File: BG039352.D
Acq: 1 Feb 2019 21:11

Tgt Ion:112 Resp: 178718
Ion Ratio Lower Upper
112 100
64 74.2 57.8 86.8
63 36.1 29.8 44.6



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





#7

Phenol-d6

Concen: 37.811 ng

RT: 7.31 min Scan# 719

Delta R.T. -0.01 min

Lab File: BG039352.D

Acq: 1 Feb 2019 21:11

Instrument :

BNA_G

ClientSampleId :

SPLP-LEACH-AMND-COMP-3

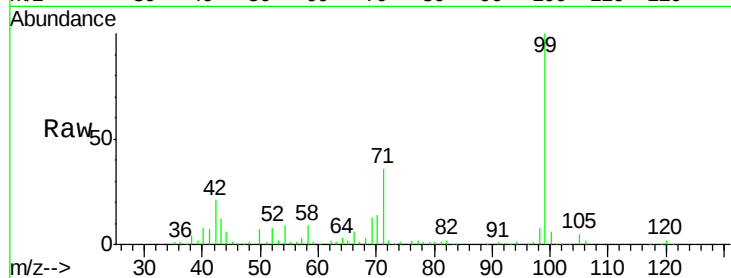
Tgt Ion: 99 Resp: 155351

Ion Ratio Lower Upper

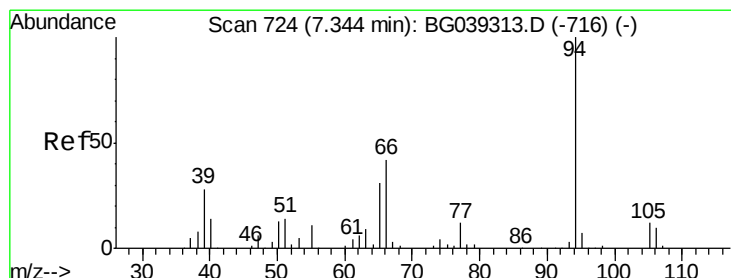
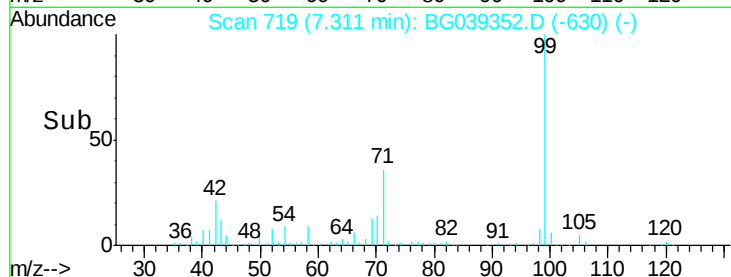
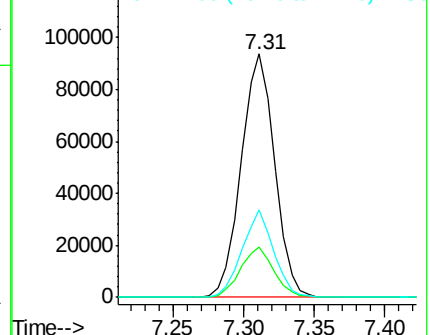
99 100

42 20.8 18.2 27.2

71 35.7 28.0 42.0



Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#10

Phenol

Concen: 5.990 ng

RT: 7.34 min Scan# 724

Delta R.T. -0.00 min

Lab File: BG039352.D

Acq: 1 Feb 2019 21:11

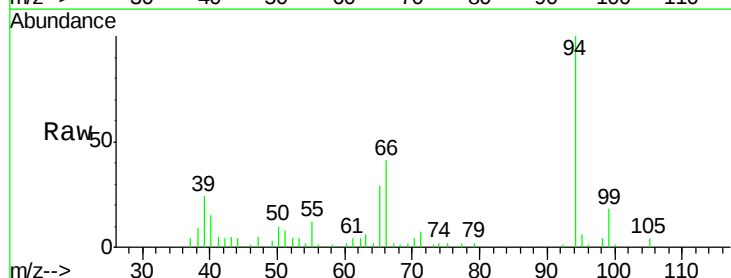
Tgt Ion: 94 Resp: 25653

Ion Ratio Lower Upper

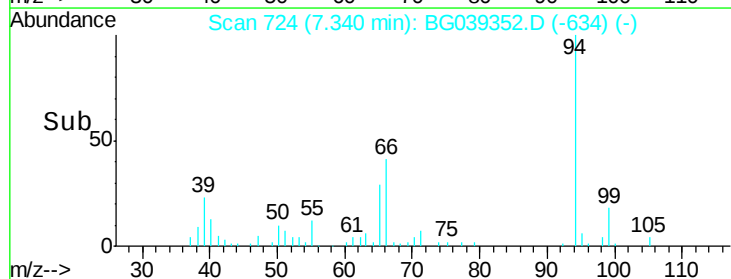
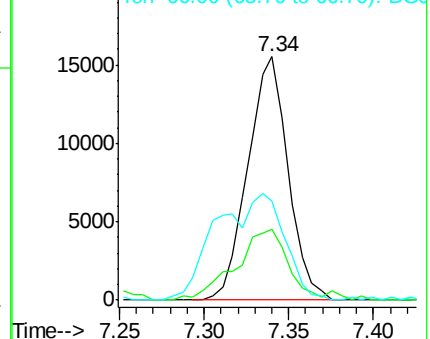
94 100

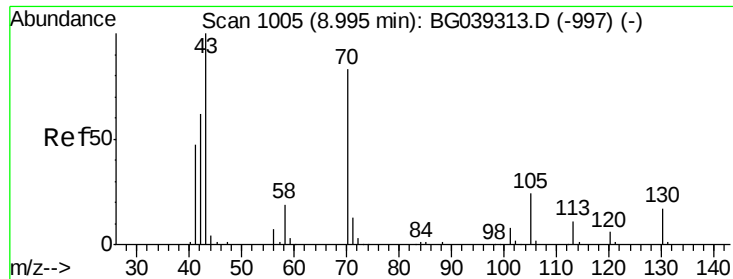
65 29.3 11.7 51.7

66 40.6 23.7 63.7



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC

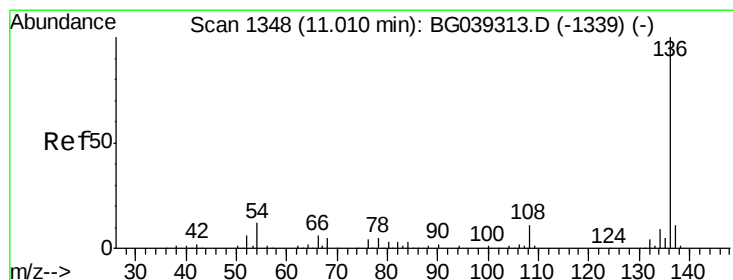
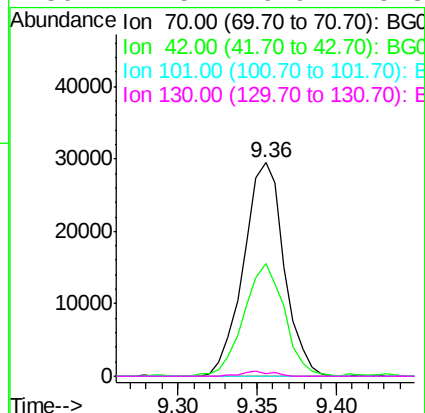
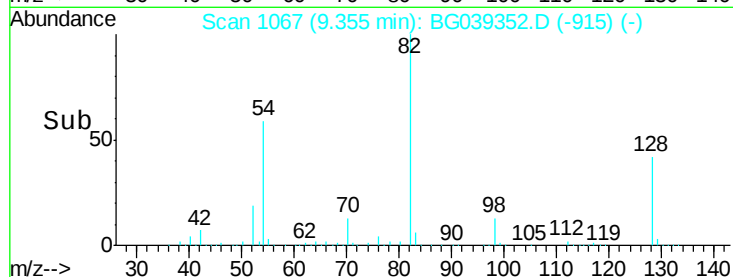
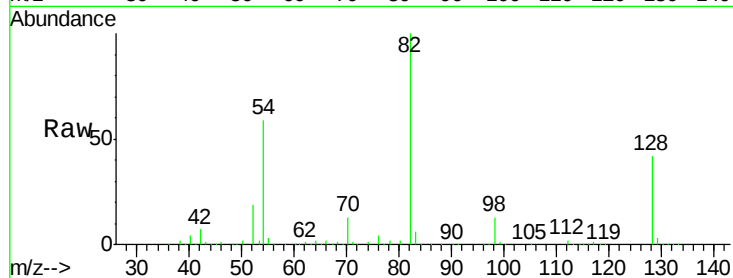




#19
n-Nitroso-di-n-propylamine
Concen: 17.900 ng
RT: 9.36 min Scan# 1067
Delta R.T. 0.36 min
Lab File: BG039352.D
Acq: 1 Feb 2019 21:11

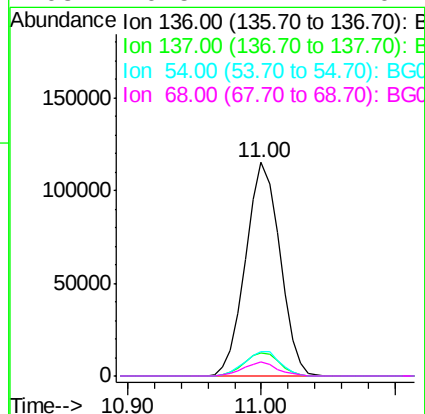
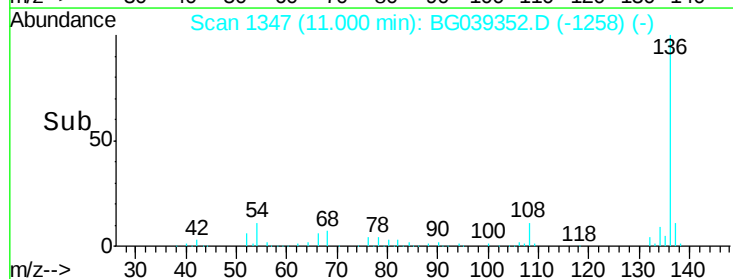
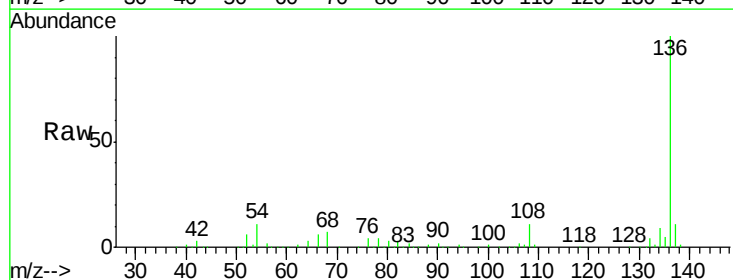
Instrument :
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SPLP-LEACH-AMND-COMP-3

Tgt Ion: 70 Resp: 52200
Ion Ratio Lower Upper
70 100
42 52.6 60.4 90.6#
101 0.0 7.5 11.3#
130 1.5 16.9 25.3#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.00 min Scan# 1347
Delta R.T. -0.01 min
Lab File: BG039352.D
Acq: 1 Feb 2019 21:11

Tgt Ion: 136 Resp: 205145
Ion Ratio Lower Upper
136 100
137 10.9 9.1 13.7
54 11.2 9.4 14.2
68 6.5 4.2 6.4#

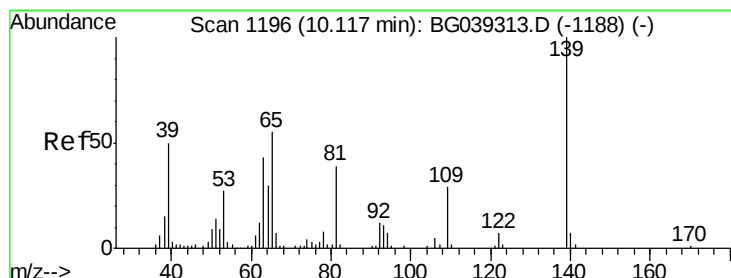
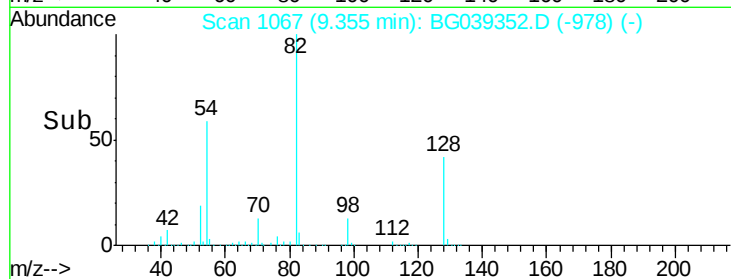
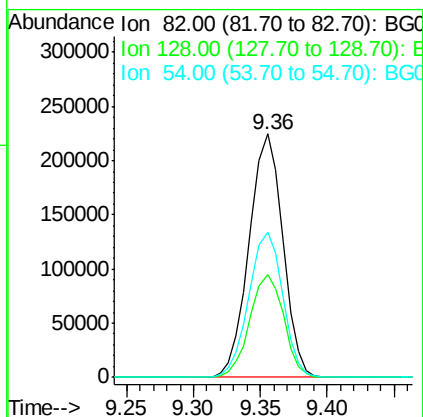
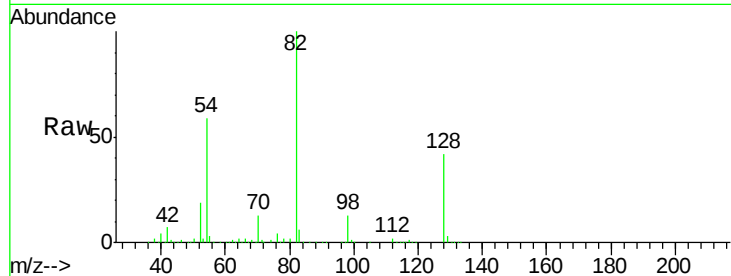




#23
 Nitrobenzene-d5
 Concen: 119.462 ng
 RT: 9.36 min Scan# 1067
 Delta R.T. -0.01 min
 Lab File: BG039352.D
 Acq: 1 Feb 2019 21:11

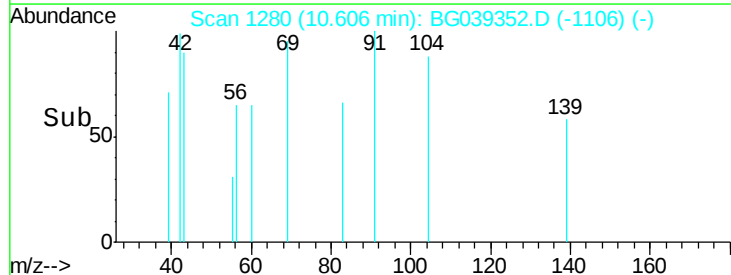
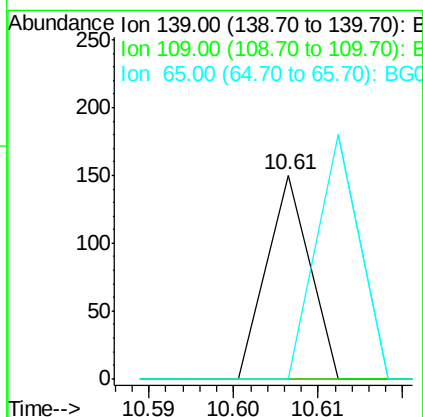
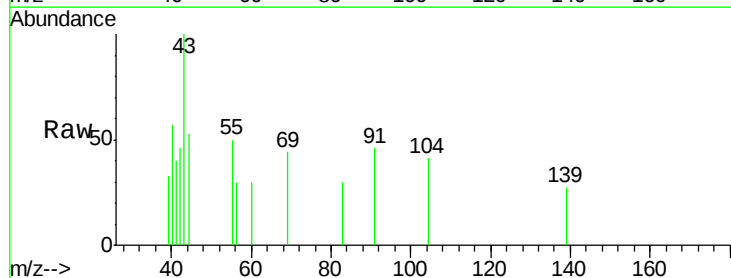
Instrument :
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 SPLP-LEACH-AMND-COMP-3

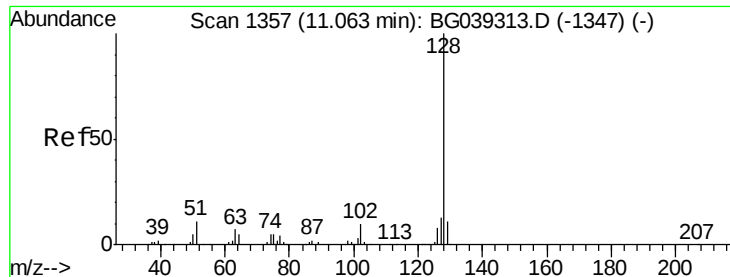
Tgt Ion	Ratio	Lower	Upper
82	100		
128	42.2	31.3	46.9
54	59.5	50.9	76.3



#26
 2-Nitrophenol
 Concen: 4.050 ng
 RT: 10.61 min Scan# 1280
 Delta R.T. 0.49 min
 Lab File: BG039352.D
 Acq: 1 Feb 2019 21:11

Tgt Ion	Ratio	Lower	Upper
139	100		
109	0.0	23.4	35.0#
65	0.0	44.3	66.5#

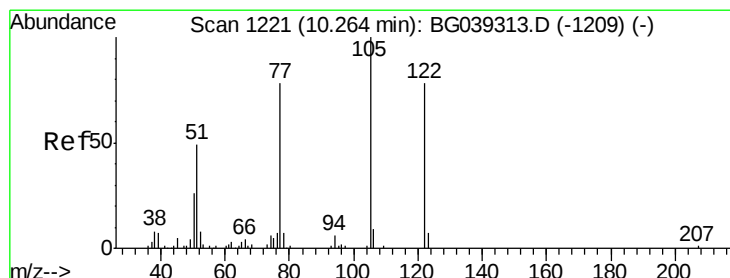
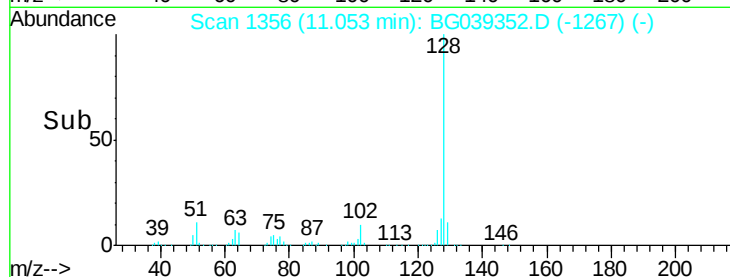
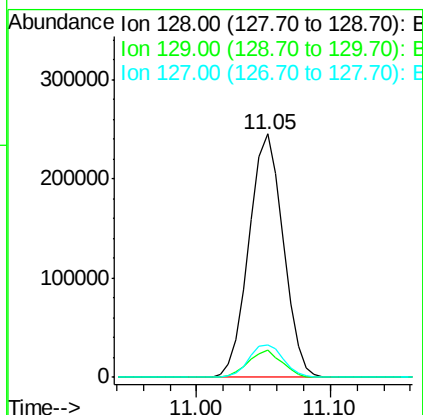
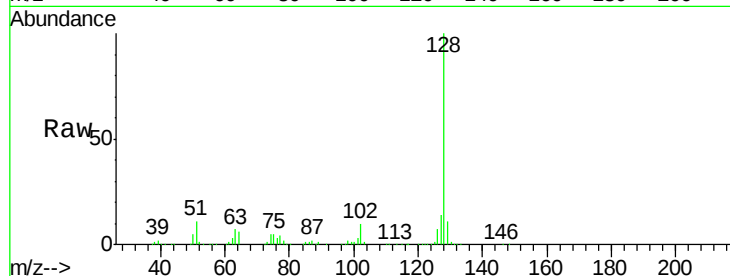




#31
Naphthalene
Concen: 42.700 ng
RT: 11.05 min Scan# 1356
Delta R.T. -0.01 min
Lab File: BG039352.D
Acq: 1 Feb 2019 21:11

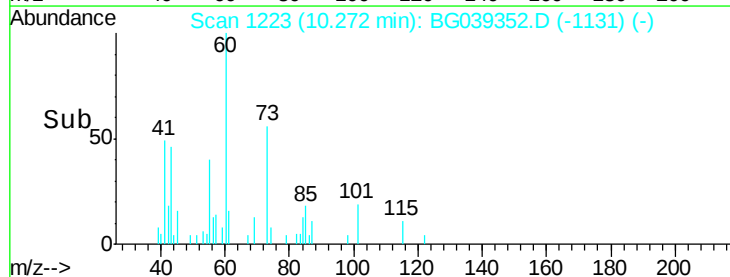
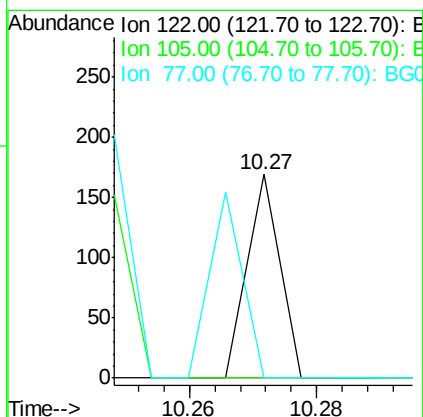
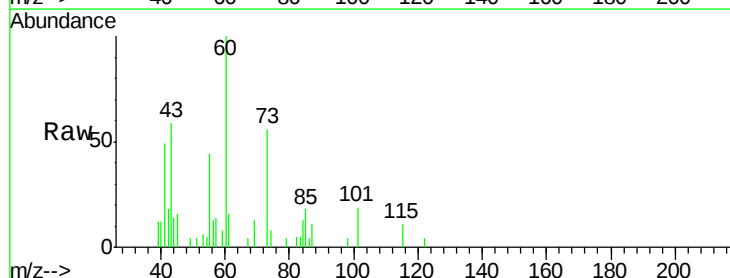
Instrument :
BNA_G
ClientSampleId :
SPLP-LEACH-AMND-COMP-3

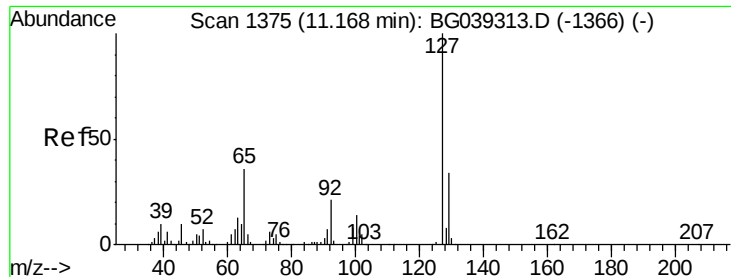
Tgt Ion:128 Resp: 434563
Ion Ratio Lower Upper
128 100
129 11.4 8.7 13.1
127 13.6 10.8 16.2



#32
Benzoic acid
Concen: 9.046 ng
RT: 10.27 min Scan# 1223
Delta R.T. 0.01 min
Lab File: BG039352.D
Acq: 1 Feb 2019 21:11

Tgt Ion:122 Resp: 60
Ion Ratio Lower Upper
122 100
105 0.0 101.8 141.8#
77 0.0 76.3 116.3#

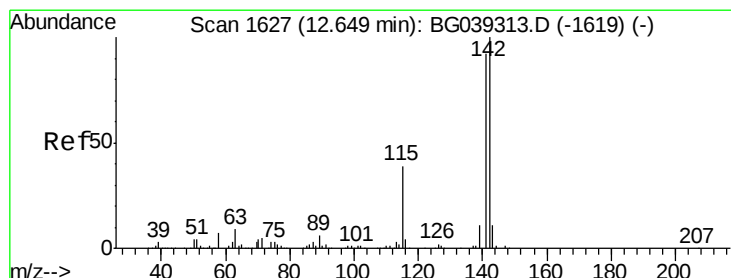
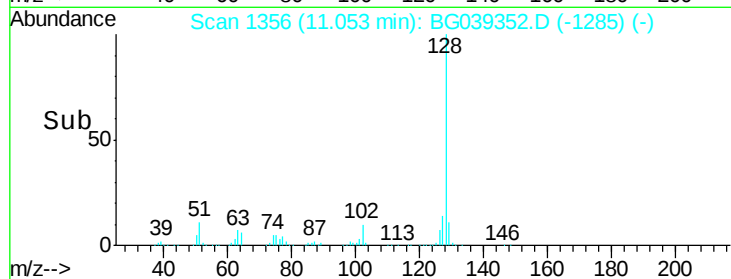
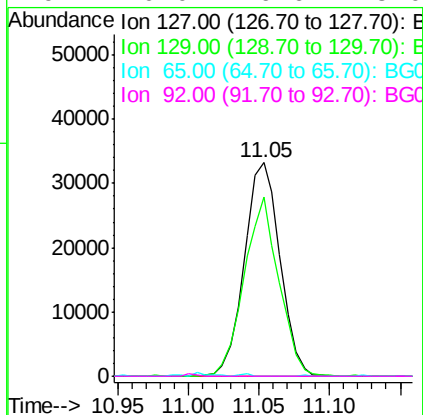
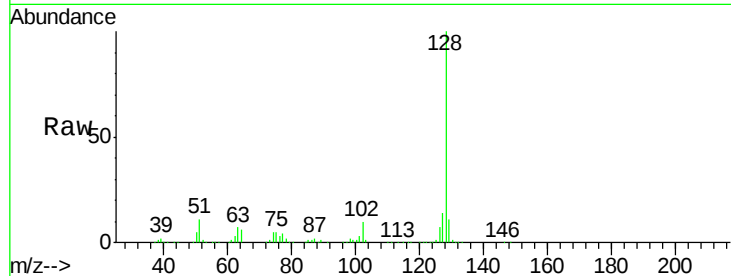




#33
4-Chloroaniline
Concen: 12.444 ng
RT: 11.05 min Scan# 1356
Delta R.T. -0.12 min
Lab File: BG039352.D
Acq: 1 Feb 2019 21:11

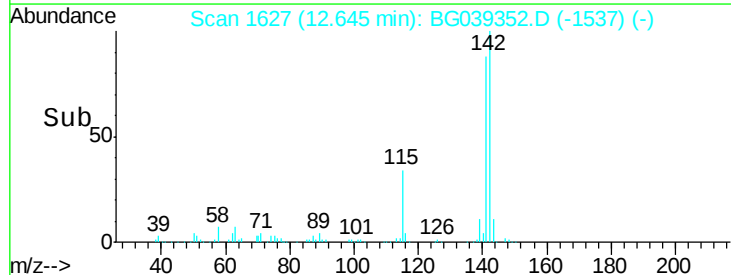
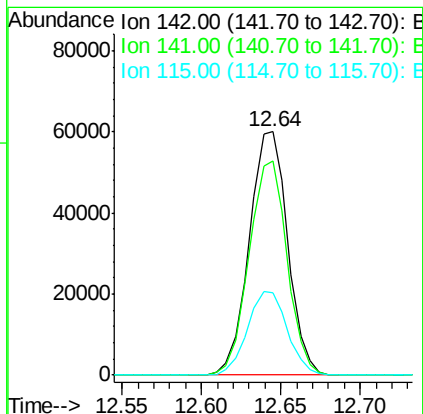
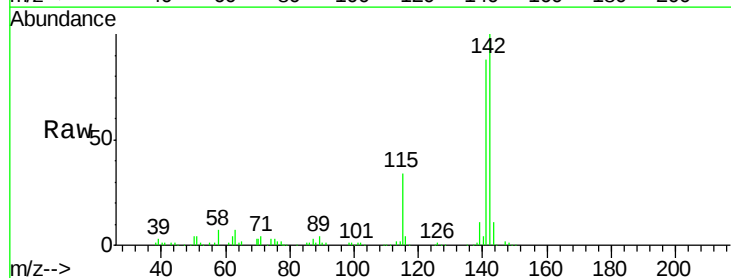
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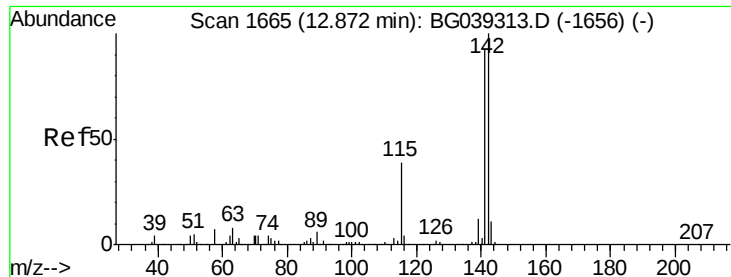
Tgt Ion:	127	Resp:	58719
Ion	Ratio	Lower	Upper
127	100		
129	84.2	27.0	40.4#
65	0.0	28.8	43.2#
92	0.0	16.6	25.0#



#37
2-Methylnaphthalene
Concen: 13.406 ng
RT: 12.64 min Scan# 1627
Delta R.T. -0.00 min
Lab File: BG039352.D
Acq: 1 Feb 2019 21:11

Tgt Ion:	142	Resp:	101054
Ion	Ratio	Lower	Upper
142	100		
141	88.2	73.5	110.3
115	33.6	30.8	46.2

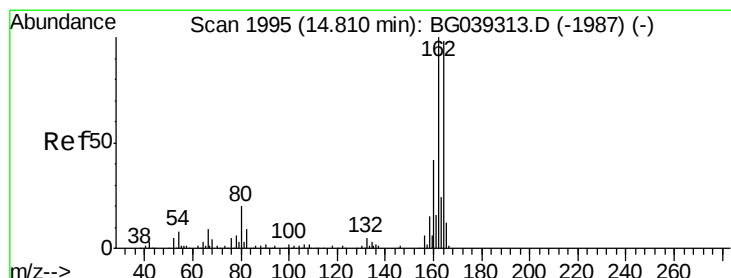
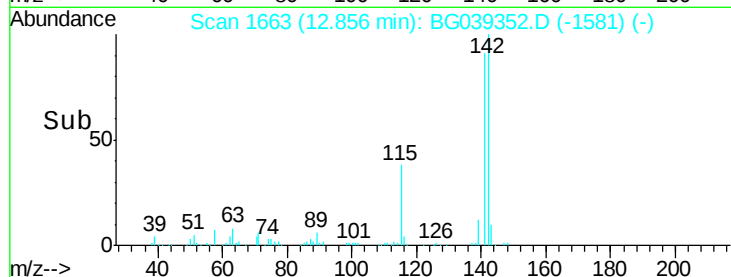
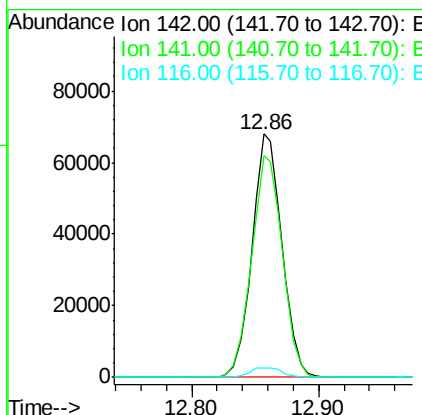
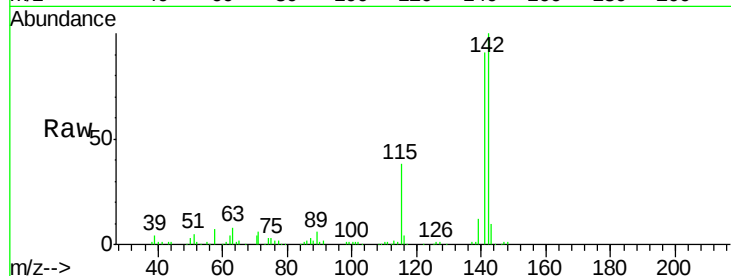




#38
1-Methylnaphthalene
Concen: 15.319 ng
RT: 12.86 min Scan# 1663
Delta R.T. -0.02 min
Lab File: BG039352.D
Acq: 1 Feb 2019 21:11

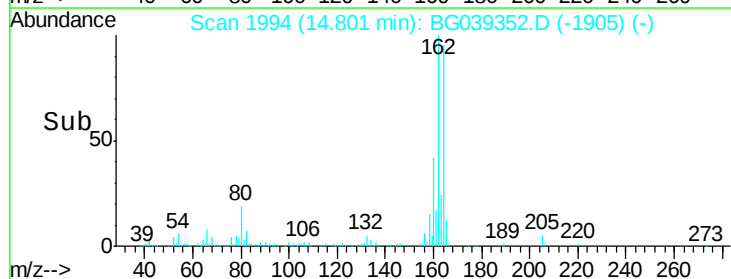
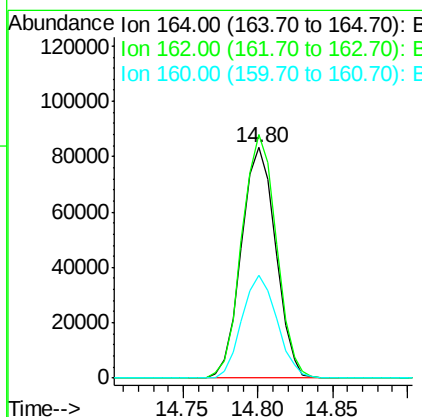
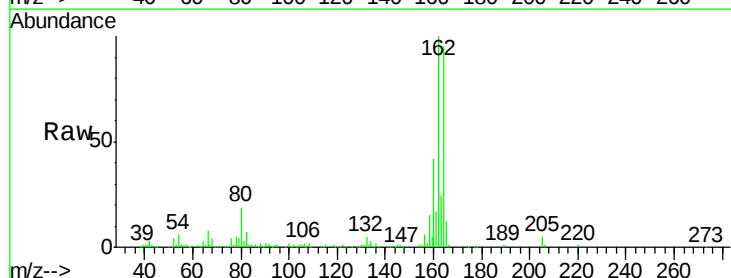
Instrument :
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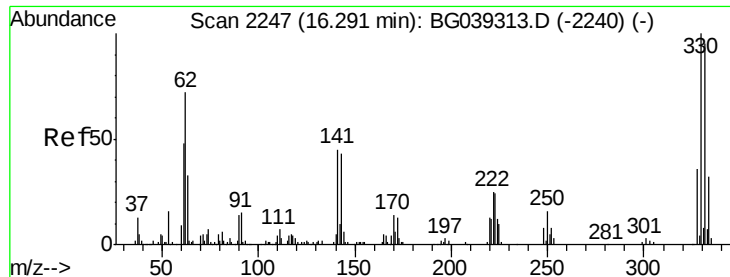
Tgt Ion:142 Resp: 111310
Ion Ratio Lower Upper
142 100
141 91.1 74.2 111.4
116 3.8 3.0 4.6



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.80 min Scan# 1994
Delta R.T. -0.01 min
Lab File: BG039352.D
Acq: 1 Feb 2019 21:11

Tgt Ion:164 Resp: 133002
Ion Ratio Lower Upper
164 100
162 105.6 81.6 122.4
160 44.8 34.2 51.2





#42

2,4,6-Tribromophenol

Concen: 157.995 ng

RT: 16.29 min Scan# 2247

Delta R.T. -0.00 min

Lab File: BG039352.D

Acq: 1 Feb 2019 21:11

Instrument :

BNA_G

ClientSampleId :

SPLP-LEACH-AMND-COMP-3

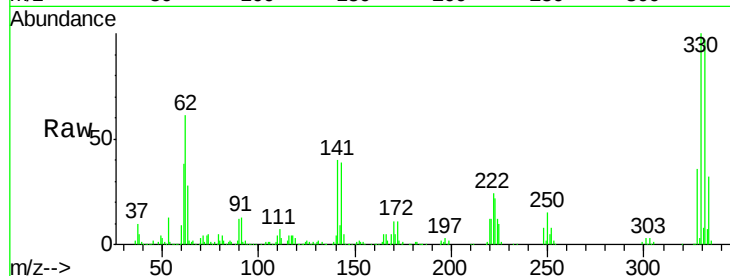
Tgt Ion:330 Resp: 226281

Ion Ratio Lower Upper

330 100

332 96.1 75.7 113.5

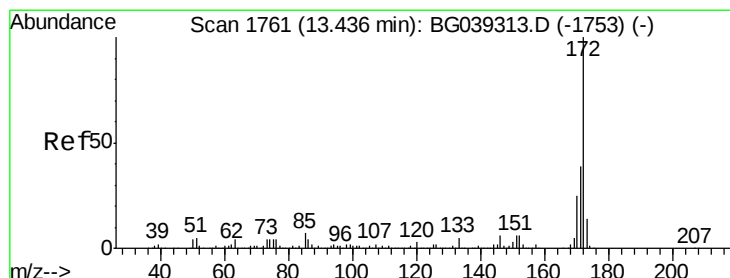
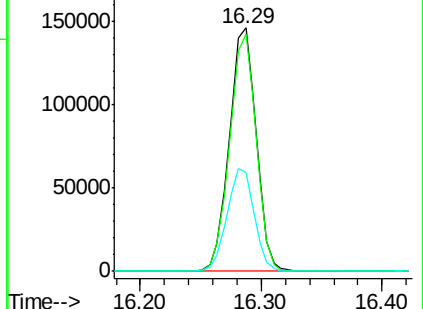
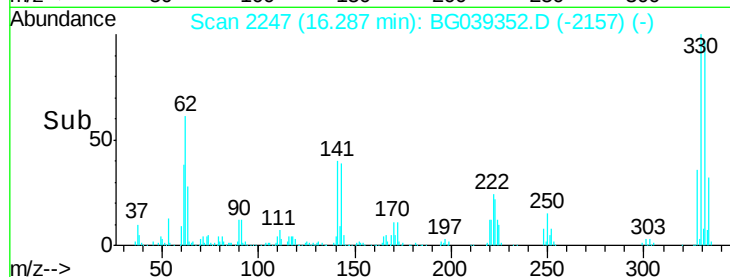
141 42.4 35.6 53.4



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



#45

2-Fluorobiphenyl

Concen: 101.822 ng

RT: 13.43 min Scan# 1760

Delta R.T. -0.01 min

Lab File: BG039352.D

Acq: 1 Feb 2019 21:11

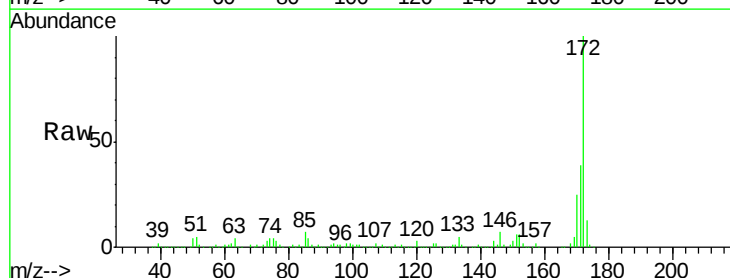
Tgt Ion:172 Resp: 944029

Ion Ratio Lower Upper

172 100

171 38.9 30.8 46.2

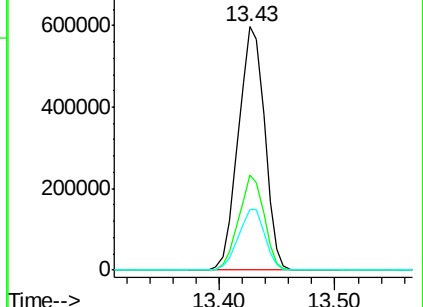
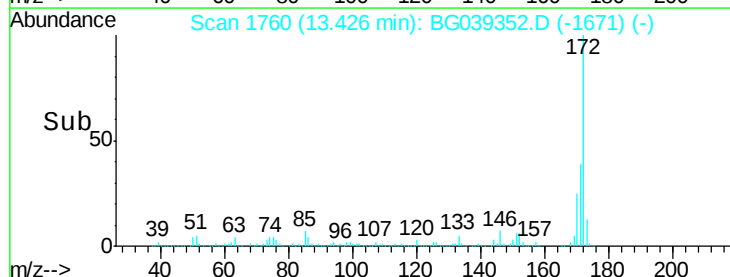
170 24.9 20.2 30.4

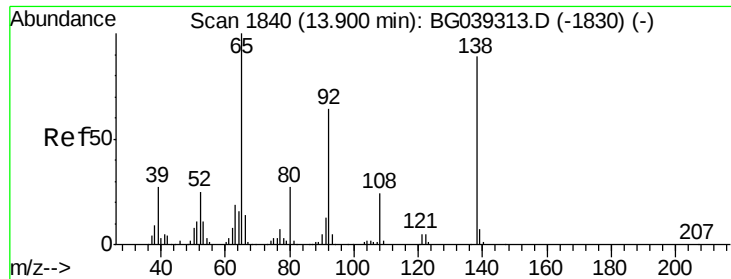


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

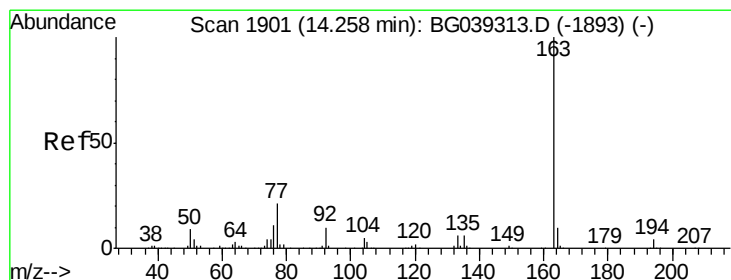
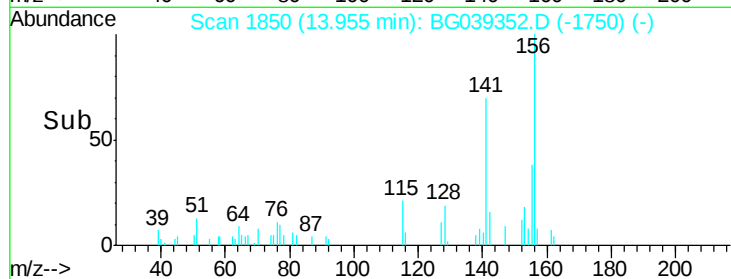
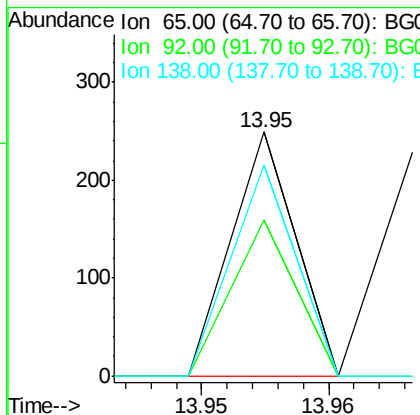
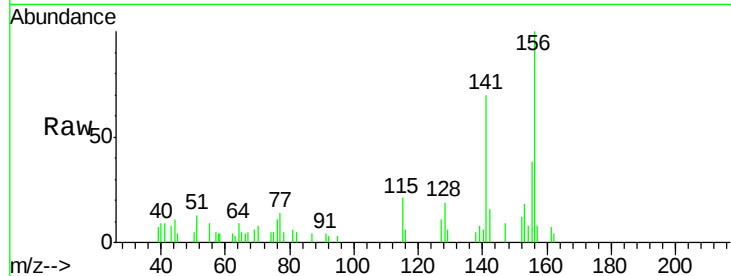




#48
2-Nitroaniline
Concen: 8.327 ng
RT: 13.95 min Scan# 1850
Delta R.T. 0.06 min
Lab File: BG039352.D
Acq: 1 Feb 2019 21:11

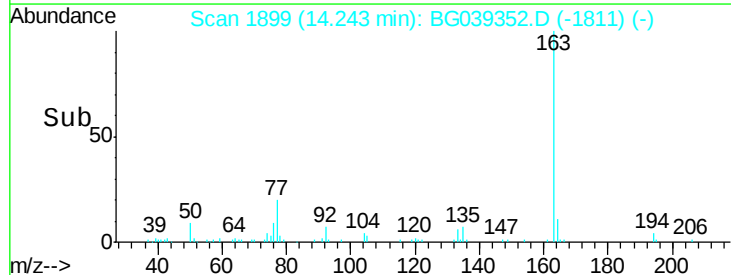
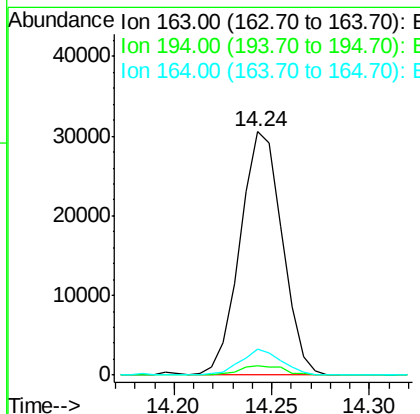
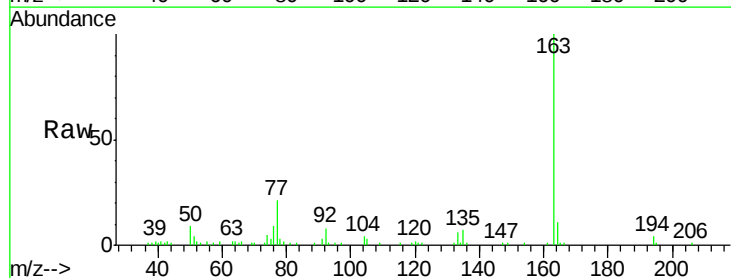
Instrument :
BNA_G
ClientSampleId :
SPLP-LEACH-AMND-COMP-3

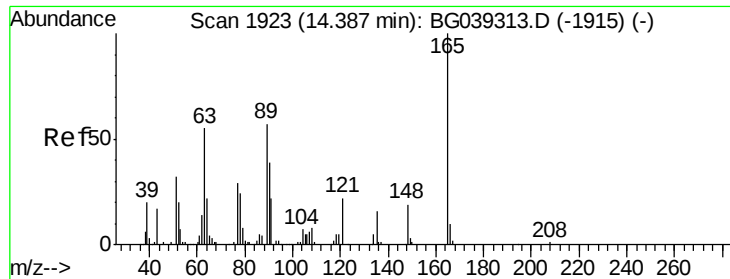
Tgt Ion: 65 Resp: 88
Ion Ratio Lower Upper
65 100
92 63.9 51.4 77.2
138 86.3 71.4 107.2



#50
Dimethylphthalate
Concen: 4.247 ng
RT: 14.24 min Scan# 1899
Delta R.T. -0.02 min
Lab File: BG039352.D
Acq: 1 Feb 2019 21:11

Tgt Ion: 163 Resp: 45621
Ion Ratio Lower Upper
163 100
194 3.7 3.6 5.4
164 10.8 8.4 12.6

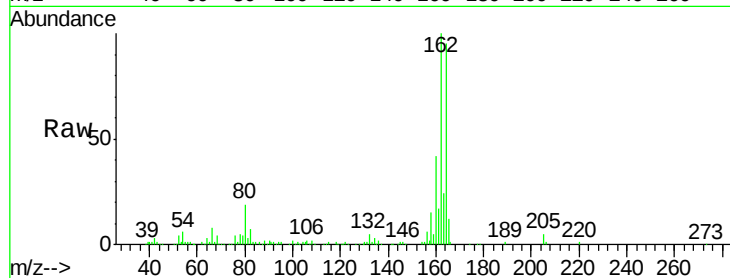




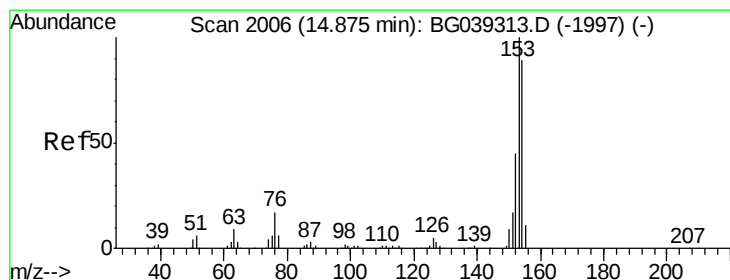
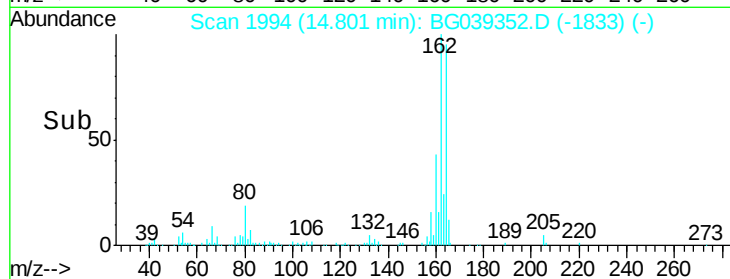
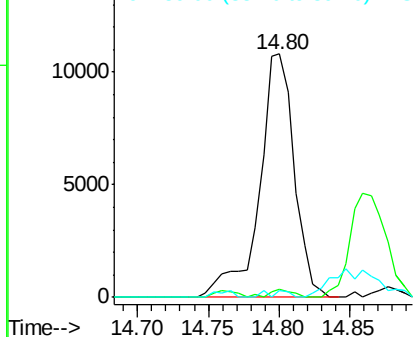
#51
2,6-Dinitrotoluene
Concen: 14.634 ng
RT: 14.80 min Scan# 1994
Delta R.T. 0.41 min
Lab File: BG039352.D
Acq: 1 Feb 2019 21:11

Instrument :
BNA_G
ClientSampleId :
SPLP-LEACH-AMND-COMP-3

Tgt Ion:165 Resp: 18777
Ion Ratio Lower Upper
165 100
63 3.2 47.0 70.6#
89 2.7 45.8 68.8#

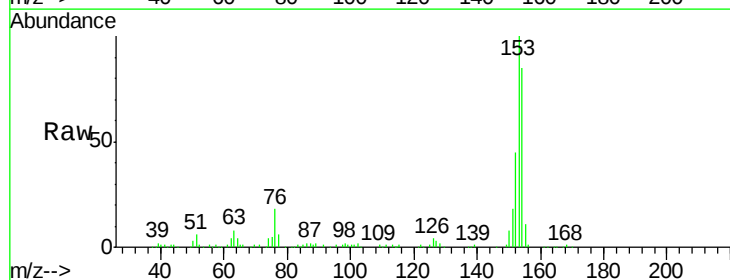


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC

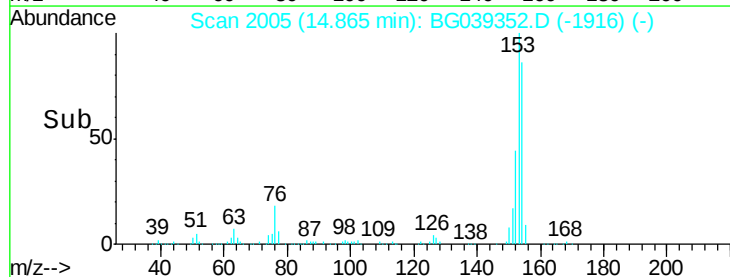
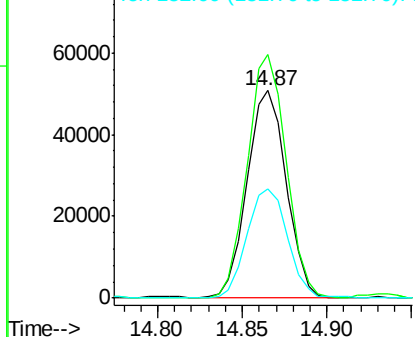


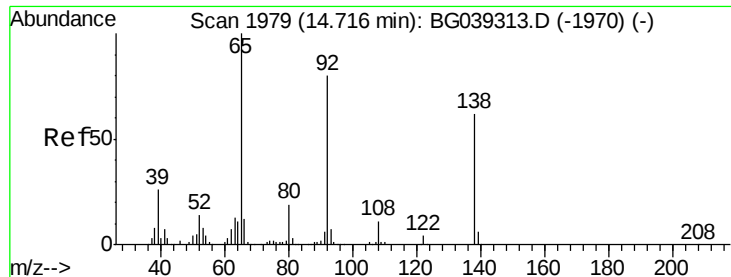
#52
Acenaphthene
Concen: 10.029 ng
RT: 14.87 min Scan# 2005
Delta R.T. -0.01 min
Lab File: BG039352.D
Acq: 1 Feb 2019 21:11

Tgt Ion:154 Resp: 81777
Ion Ratio Lower Upper
154 100
153 117.5 90.1 135.1
152 52.6 40.9 61.3



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

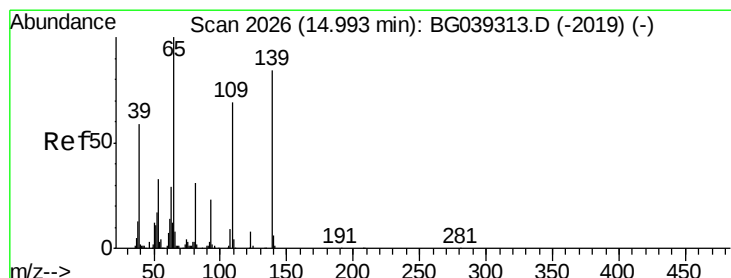
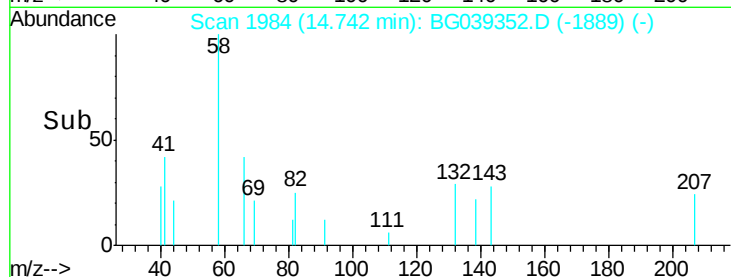
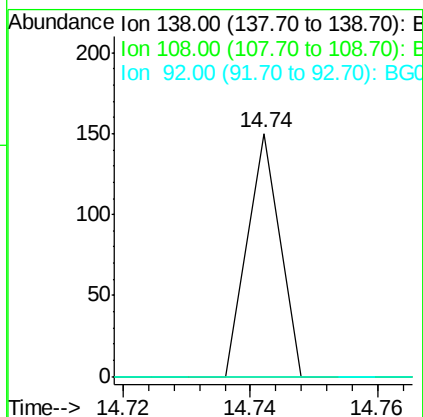
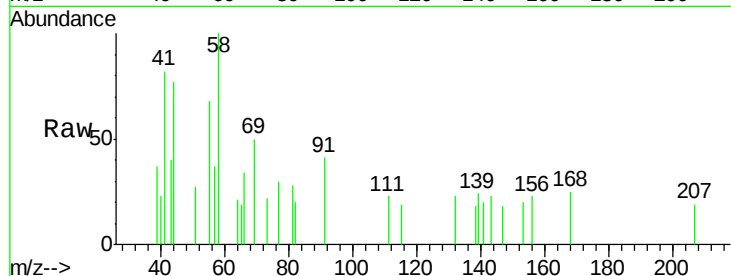




#53
3-Nitroaniline
Concen: 5.814 ng
RT: 14.74 min Scan# 1984
Delta R.T. 0.03 min
Lab File: BG039352.D
Acq: 1 Feb 2019 21:11

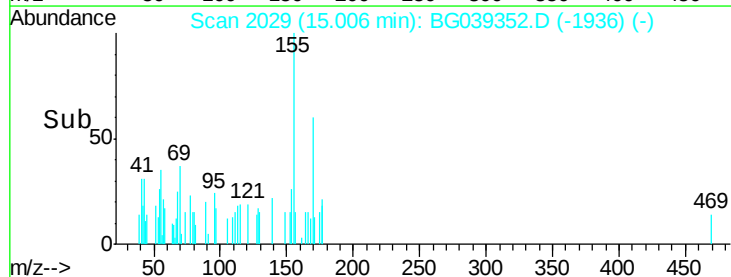
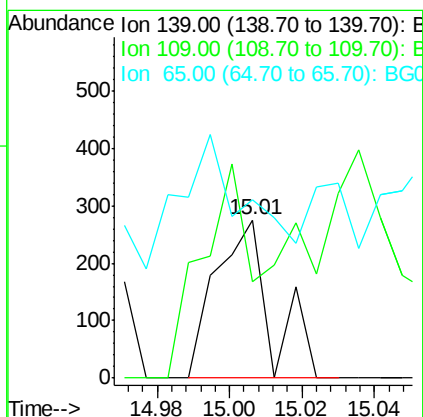
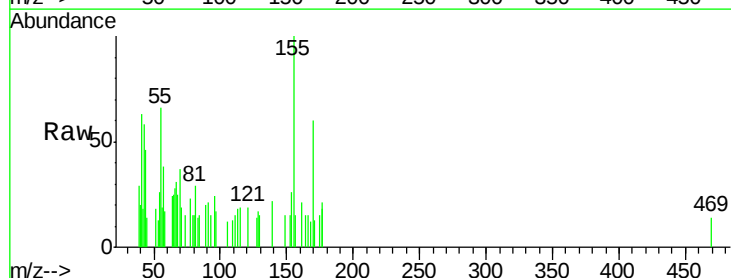
Instrument :
BNA_G
ClientSampleId :
SPLP-LEACH-AMND-COMP-3

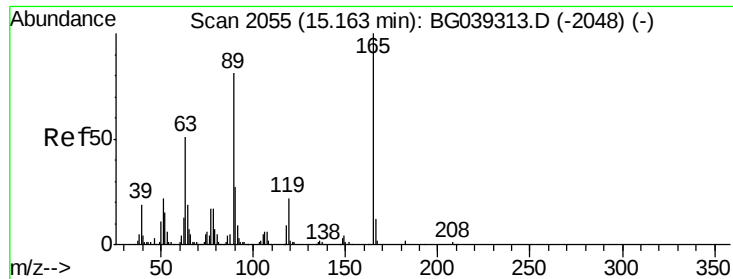
Tgt Ion:138 Resp: 53
Ion Ratio Lower Upper
138 100
108 0.0 13.8 20.8#
92 0.0 103.7 155.5#



#56
4-Nitrophenol
Concen: 5.933 ng
RT: 15.01 min Scan# 2029
Delta R.T. 0.01 min
Lab File: BG039352.D
Acq: 1 Feb 2019 21:11

Tgt Ion:139 Resp: 291
Ion Ratio Lower Upper
139 100
109 60.7 61.9 101.9#
65 112.7 99.1 139.1

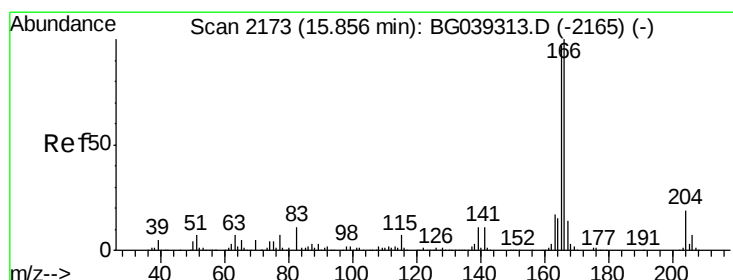
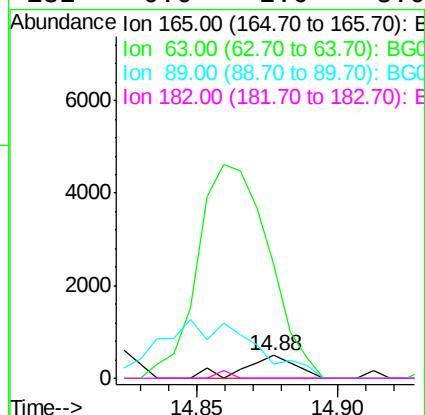
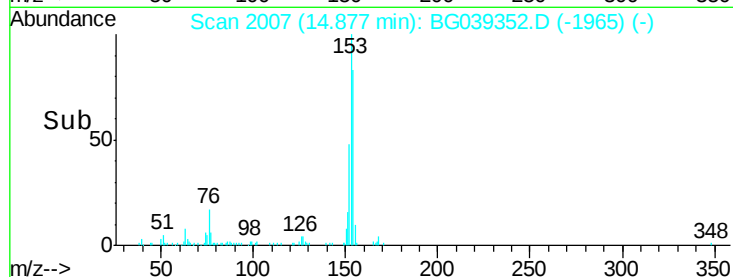
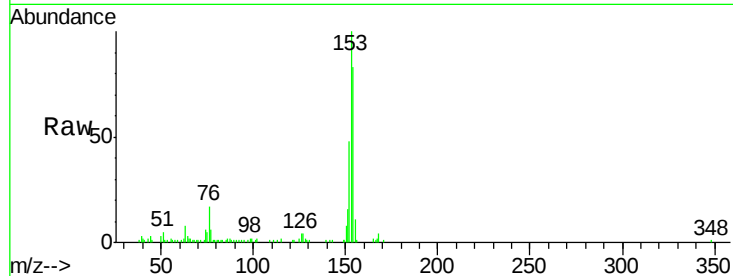




#57
 2,4-Dinitrotoluene
 Concen: 8.025 ng
 RT: 14.88 min Scan# 2007
 Delta R.T. -0.28 min
 Lab File: BG039352.D
 Acq: 1 Feb 2019 21:11

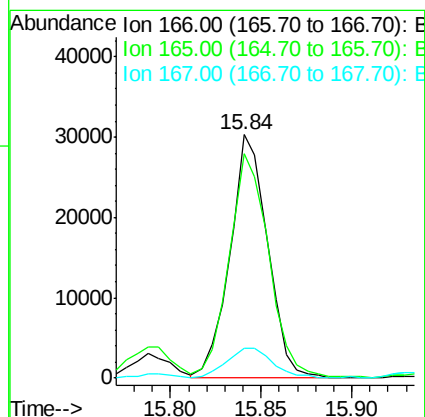
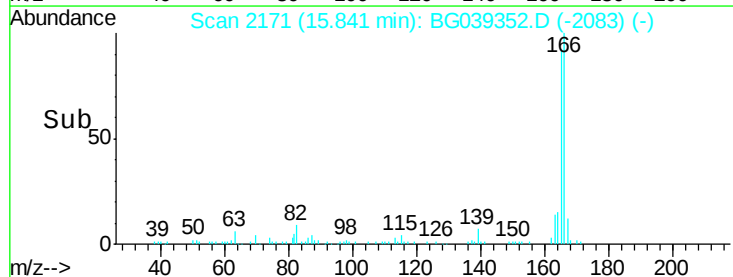
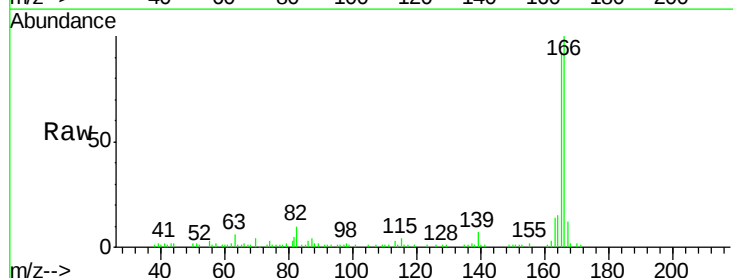
Instrument :
 BNA_G
 ClientSampleId :
 SPLP-LEACH-AMND-COMP-3

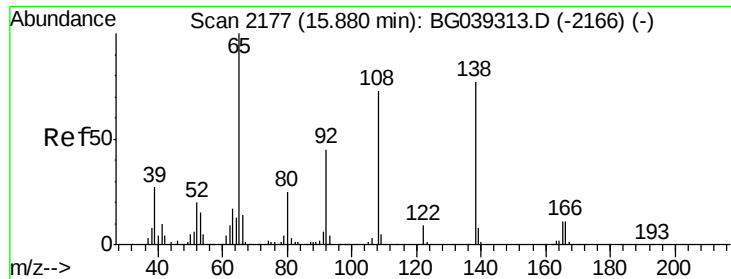
Tgt Ion:165 Resp: 613
 Ion Ratio Lower Upper
 165 100
 63 508.5 41.0 61.6#
 89 64.7 64.6 96.8
 182 0.0 2.0 3.0#



#58
 Fluorene
 Concen: 4.489 ng
 RT: 15.84 min Scan# 2171
 Delta R.T. -0.02 min
 Lab File: BG039352.D
 Acq: 1 Feb 2019 21:11

Tgt Ion:166 Resp: 43746
 Ion Ratio Lower Upper
 166 100
 165 91.9 77.9 116.9
 167 12.4 10.8 16.2





#62

4-Nitroaniline

Concen: 4.225 ng

RT: 15.88 min Scan# 2178

Delta R.T. 0.00 min

Lab File: BG039352.D

Acq: 1 Feb 2019 21:11

Instrument :

BNA_G

ClientSampleId :

SPLP-LEACH-AMND-COMP-3

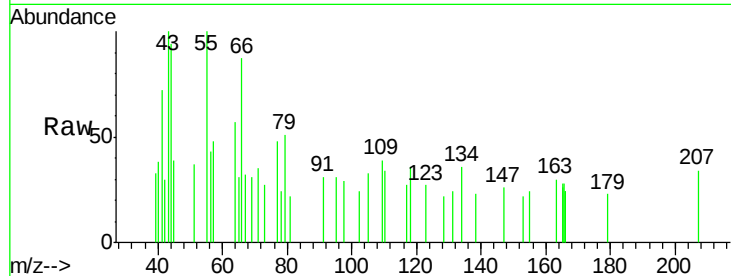
Tgt Ion:138 Resp: 55

Ion Ratio Lower Upper

138 100

92 0.0 38.7 78.7#

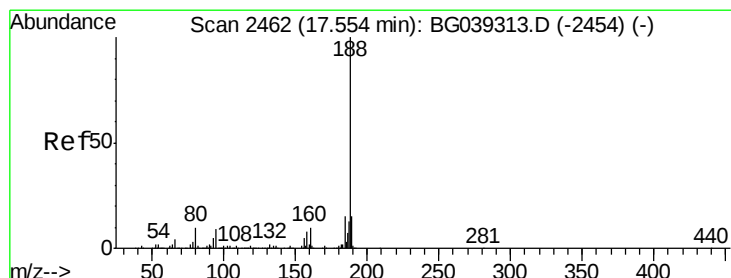
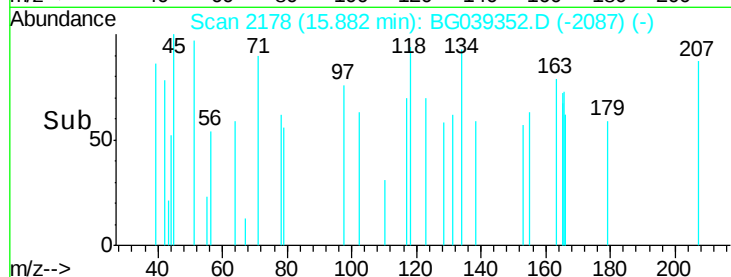
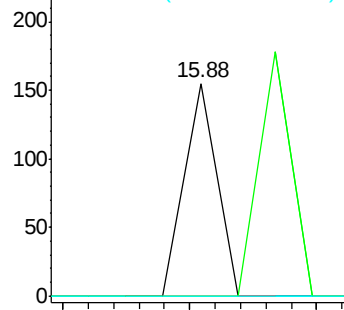
108 0.0 74.6 114.6#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BG0

Ion 108.00 (107.70 to 108.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.54 min Scan# 2461

Delta R.T. -0.01 min

Lab File: BG039352.D

Acq: 1 Feb 2019 21:11

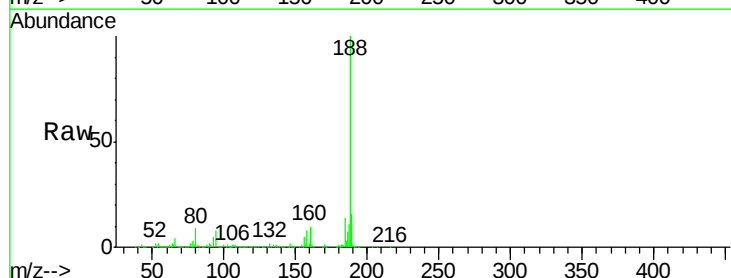
Tgt Ion:188 Resp: 314010

Ion Ratio Lower Upper

188 100

94 8.5 6.9 10.3

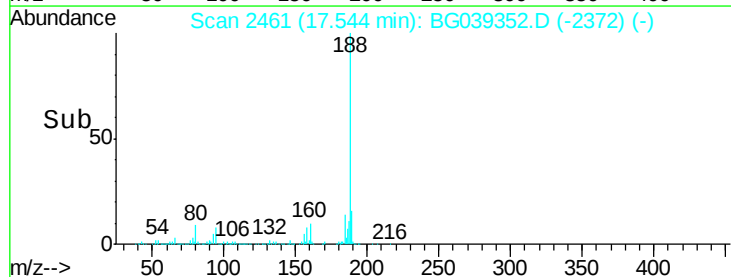
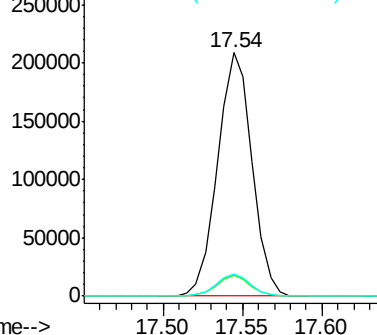
80 9.0 8.1 12.1

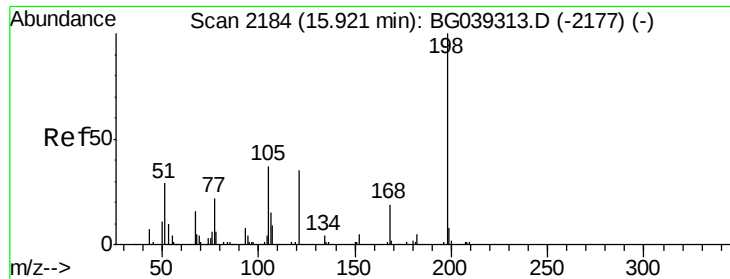


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG0

Ion 80.00 (79.70 to 80.70): BG0

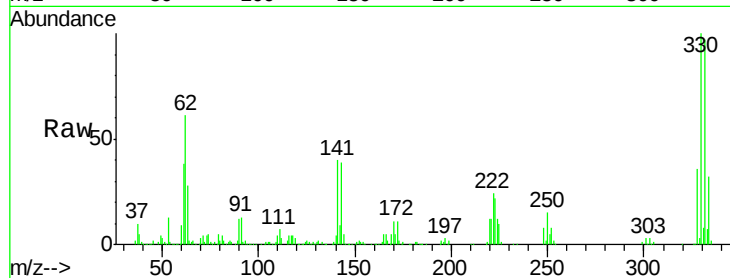




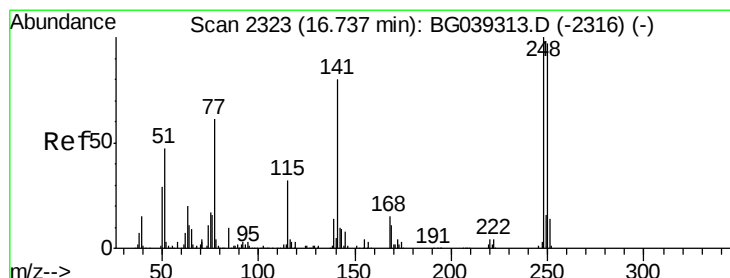
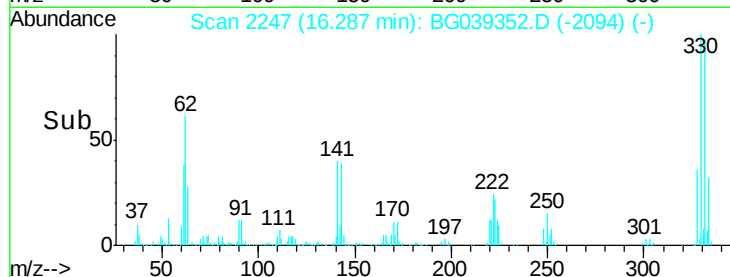
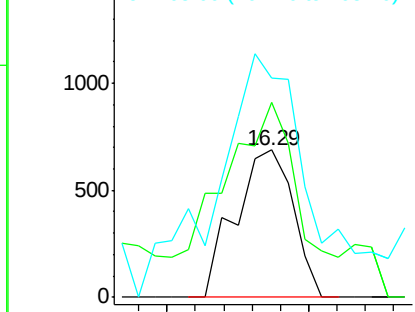
#65
 4,6-Dinitro-2-methylphenol
 Concen: 5.172 ng
 RT: 16.29 min Scan# 2247
 Delta R.T. 0.37 min
 Lab File: BG039352.D
 Acq: 1 Feb 2019 21:11

Instrument :
 BNA_G
 ClientSampleId :
 SPLP-LEACH-AMND-COMP-3

Tgt Ion:198 Resp: 977
 Ion Ratio Lower Upper
 198 100
 51 132.2 27.4 67.4#
 105 148.9 19.7 59.7#

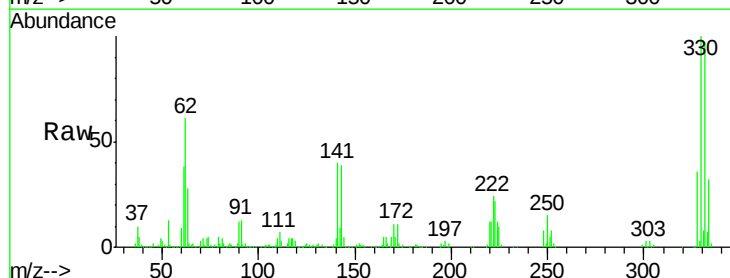


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BGO
 Ion 105.00 (104.70 to 105.70): E

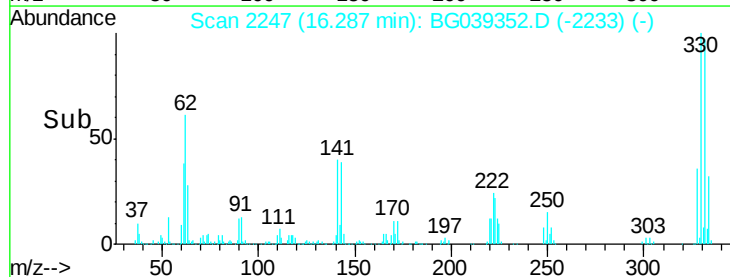
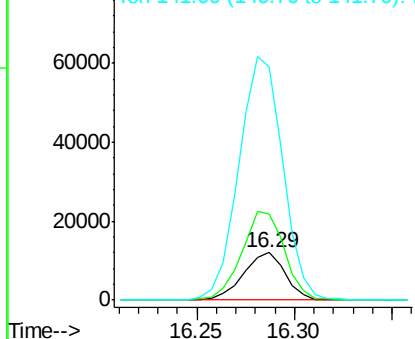


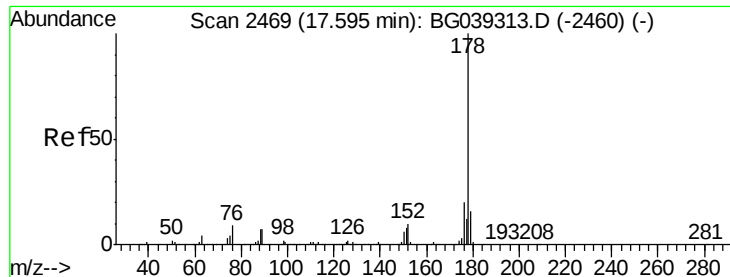
#67
 4-Bromophenyl-phenylether
 Concen: 5.089 ng
 RT: 16.29 min Scan# 2247
 Delta R.T. -0.45 min
 Lab File: BG039352.D
 Acq: 1 Feb 2019 21:11

Tgt Ion:248 Resp: 17727
 Ion Ratio Lower Upper
 248 100
 250 181.1 77.6 116.4#
 141 491.2 63.9 95.9#



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

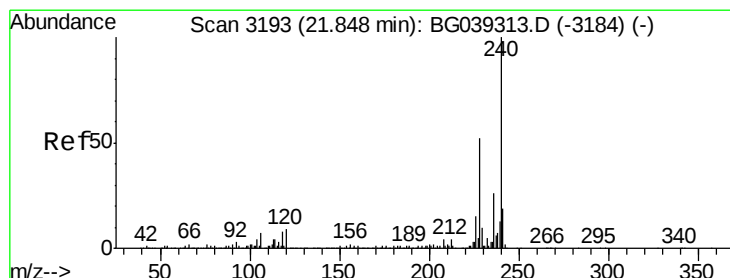
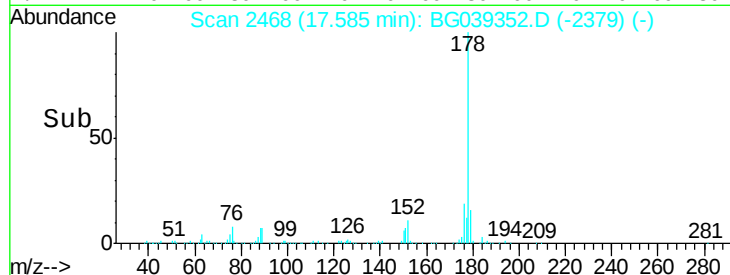
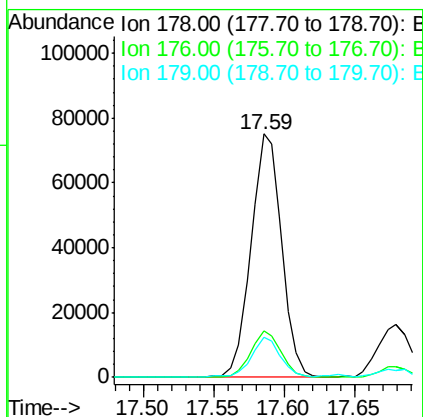
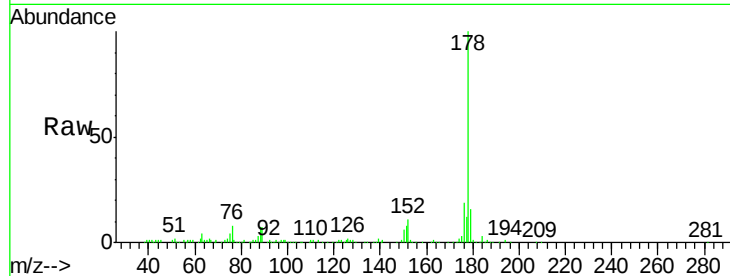




#71
Phenanthrene
Concen: 7.043 ng
RT: 17.59 min Scan# 2468
Delta R.T. -0.01 min
Lab File: BG039352.D
Acq: 1 Feb 2019 21:11

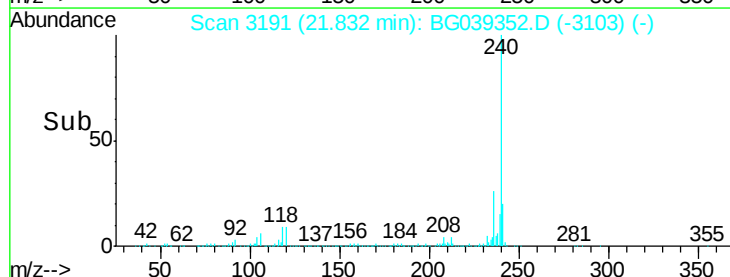
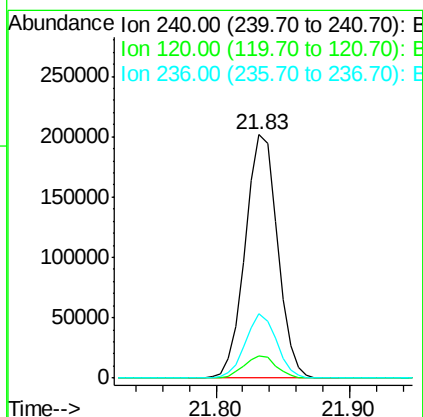
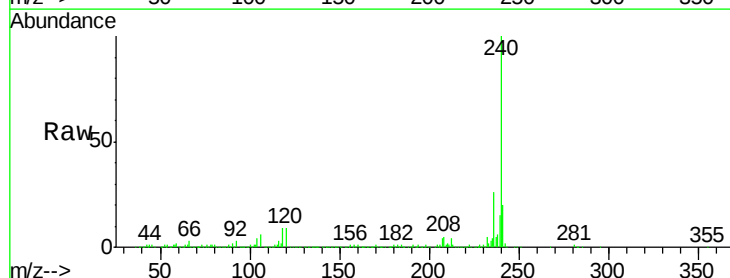
Instrument :
BNA_G
ClientSampleId :
SPLP-LEACH-AMND-COMP-3

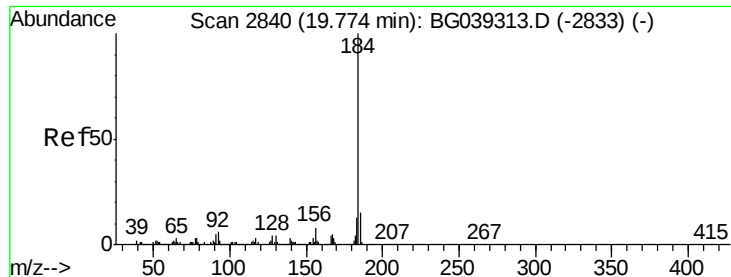
Tgt Ion:178 Resp: 114462
Ion Ratio Lower Upper
178 100
176 19.0 16.2 24.4
179 16.4 12.6 19.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.83 min Scan# 3191
Delta R.T. -0.02 min
Lab File: BG039352.D
Acq: 1 Feb 2019 21:11

Tgt Ion:240 Resp: 336393
Ion Ratio Lower Upper
240 100
120 9.2 7.0 10.6
236 26.4 21.0 31.4





#77

Benzidine

Concen: 2.164 ng

RT: 20.14 min Scan# 2903

Delta R.T. 0.37 min

Lab File: BG039352.D

Acq: 1 Feb 2019 21:11

Instrument :

BNA_G

ClientSampleId :

SPLP-LEACH-AMND-COMP-3

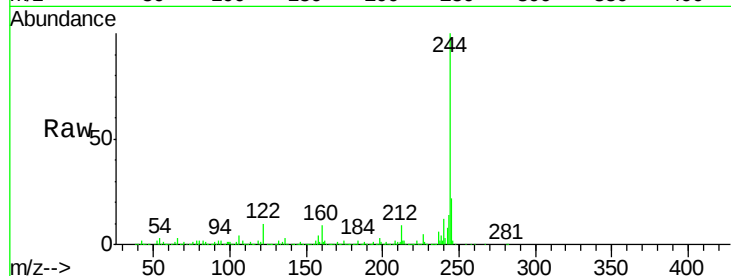
Tgt Ion:184 Resp: 23863

Ion Ratio Lower Upper

184 100

185 16.4 12.2 18.2

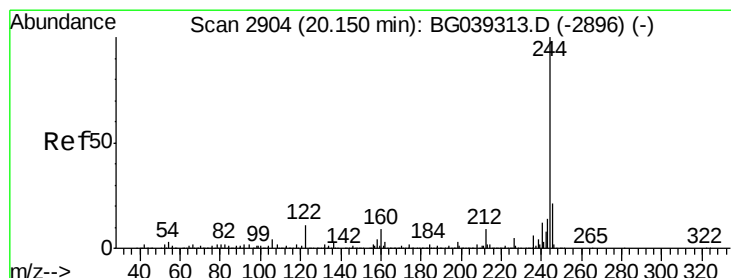
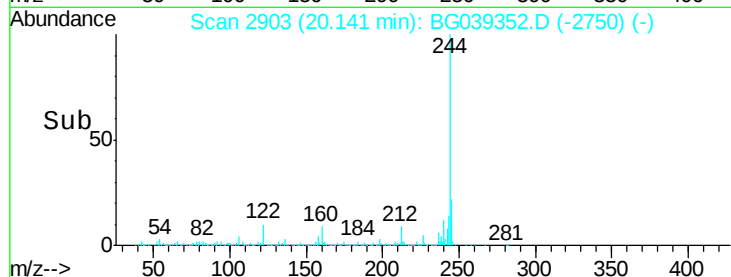
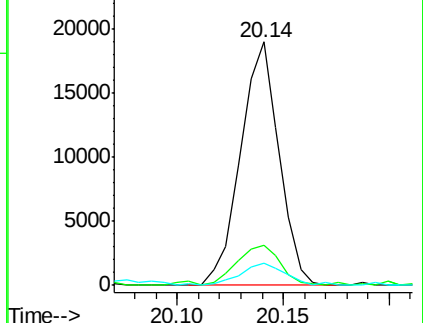
183 9.3 10.6 15.8#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#79

Terphenyl-d14

Concen: 83.755 ng

RT: 20.14 min Scan# 2903

Delta R.T. -0.01 min

Lab File: BG039352.D

Acq: 1 Feb 2019 21:11

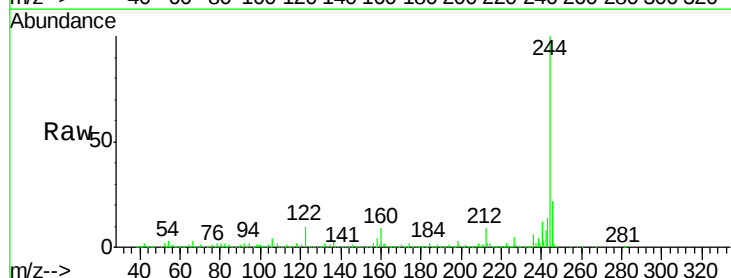
Tgt Ion:244 Resp: 1331063

Ion Ratio Lower Upper

244 100

212 9.2 7.3 10.9

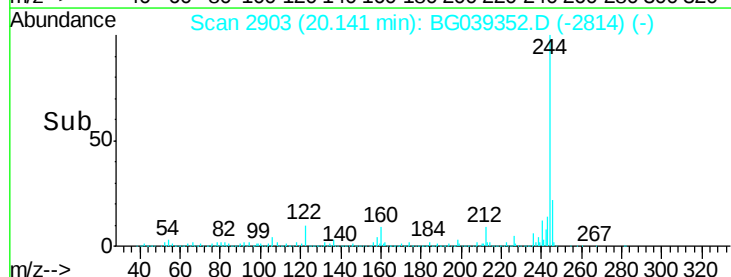
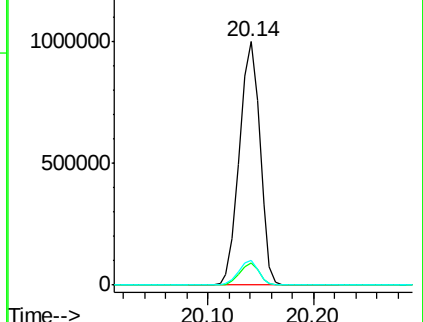
122 10.1 8.4 12.6

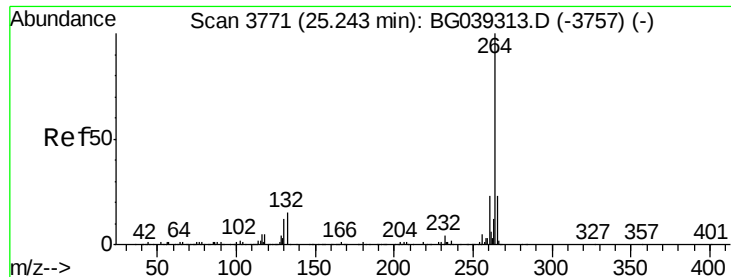


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
Perylene-d12
Concen: 20.000 ng
RT: 25.22 min Scan# 3767
Delta R.T. -0.03 min
Lab File: BG039352.D
Acq: 1 Feb 2019 21:11

Instrument :
BNA_G
ClientSampleId :
SPLP-LEACH-AMND-COMP-3

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.2	27.4
265	21.0	18.5	27.7

