

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG092319\
 Data File : BG042916.D
 Acq On : 23 Sep 2019 15:59
 Operator : HP/JU
 Sample : K4839-06
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 24 01:19:53 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG092119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 23 06:01:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.08	152	65926	20.00	ng	0.00
21) Naphthalene-d8	10.89	136	241808	20.00	ng	0.00
39) Acenaphthene-d10	14.70	164	170796	20.00	ng	0.00
64) Phenanthrene-d10	17.44	188	400352	20.00	ng	0.00
76) Chrysene-d12	21.71	240	461765	20.00	ng	0.00
87) Perylene-d12	24.95	264	507027	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.67	112	567642	149.28	ng	0.00
7) Phenol-d6	7.26	99	829513	151.11	ng	0.00
23) Nitrobenzene-d5	9.24	82	523102	105.53	ng	0.00
42) 2,4,6-Tribromophenol	16.19	330	430512	159.83	ng	0.00
45) 2-Fluorobiphenyl	13.33	172	1219070	104.72	ng	0.00
79) Terphenyl-d14	20.05	244	2320385	102.25	ng	0.00

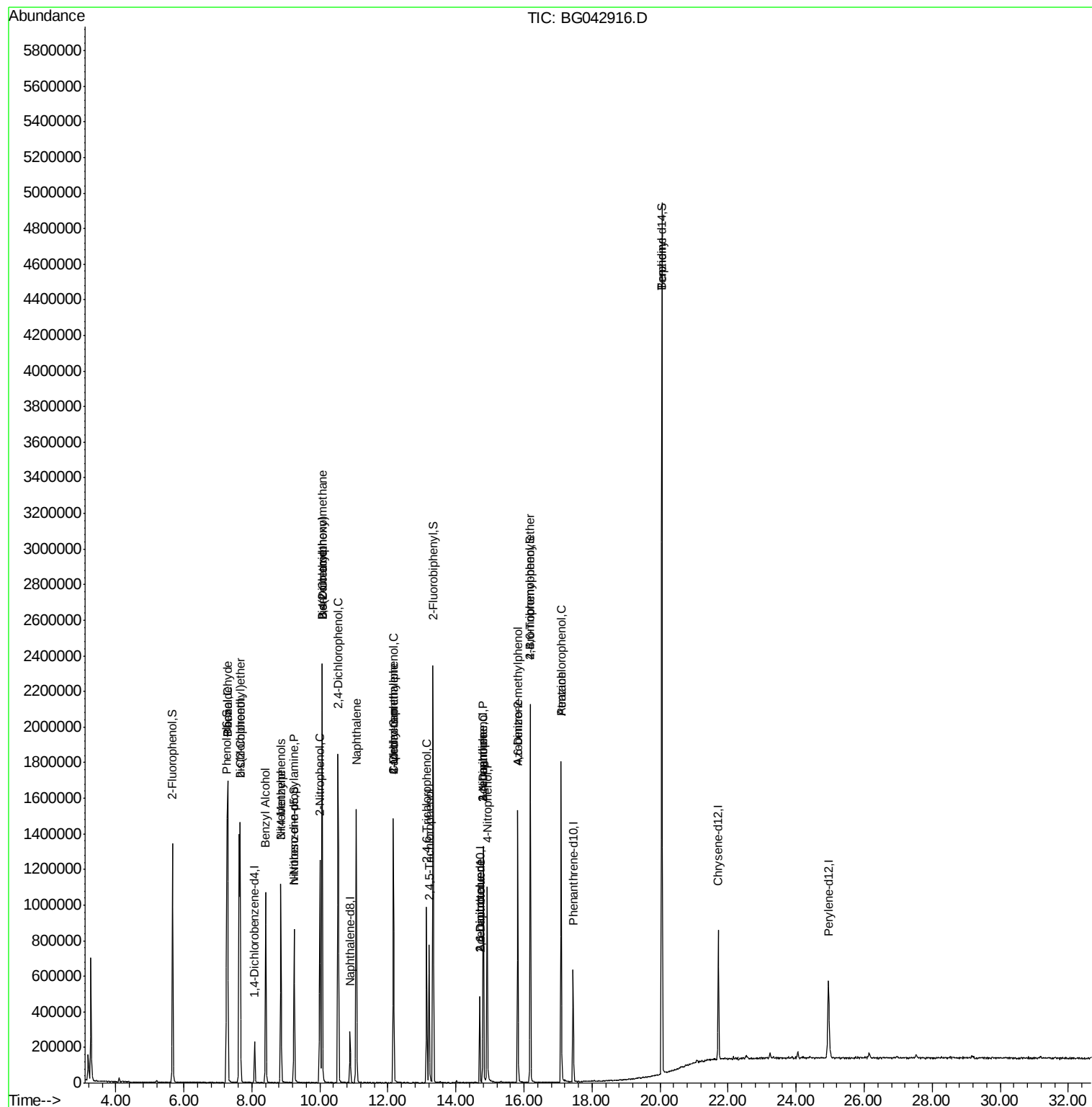
Target Compounds				Qvalue		
8) 2-Chlorophenol	7.66	128	572607	147.062	ng	97
9) Benzaldehyde	7.29	77	9354	2.737	ng	# 6
10) Phenol	7.29	94	803522	157.032	ng	96
11) bis(2-Chloroethyl)ether	7.66	93	14422	3.615	ng	# 1
15) Benzyl Alcohol	8.41	79	10039	2.432	ng	# 56
19) n-Nitroso-di-n-propylamine	9.24	70	72612	19.832	ng	# 75
20) 3+4-Methylphenols	8.85	107	493562	101.706	ng	94
24) Nitrobenzene	8.85	77	183473	38.205	ng	# 49
26) 2-Nitrophenol	10.00	139	378561	191.211	ng	96
27) 2,4-Dimethylphenol	10.07	122	661234	213.821	ng	96
28) bis(2-Chloroethoxy)methane	10.07	93	37772	7.390	ng	# 1
29) 2,4-Dichlorophenol	10.54	162	678165	180.011	ng	98
31) Naphthalene	11.06	128	36850	3.118	ng	# 77
32) Benzoic acid	10.07	122	661234	236.458	ng	# 15
35) Caprolactam	12.16	113	17410	12.811	ng	# 1
36) 4-Chloro-3-methylphenol	12.16	107	511333	122.573	ng	97
37) 2-Methylnaphthalene	12.16	142	392390	43.651	ng	# 23
43) 2,4,6-Trichlorophenol	13.14	196	250284	67.675	ng	94
44) 2,4,5-Trichlorophenol	13.21	196	225413	59.053	ng	98
51) 2,6-Dinitrotoluene	14.70	165	22243	8.355	ng	# 18
52) Acenaphthene	14.81	154	203398	20.693	ng	# 5
53) 3-Nitroaniline	14.81	138	8165	2.918	ng	# 1
54) 2,4-Dinitrophenol	14.80	184	299662	191.044	ng	97
56) 4-Nitrophenol	14.92	139	265210	124.443	ng	97
57) 2,4-Dinitrotoluene	14.70	165	22243	5.887	ng	# 22
63) Azobenzene	15.82	77	90369	7.457	ng	# 1
65) 4,6-Dinitro-2-methylphenol	15.82	198	378913	178.708	ng	98
67) 4-Bromophenyl-phenylether	16.19	248	30783	6.250	ng	# 1
69) Atrazine	17.09	200	65728	14.802	ng	# 34
70) Pentachlorophenol	17.09	266	353817	113.276	ng	98
77) Benzidine	20.05	184	41574	3.243	ng	# 93

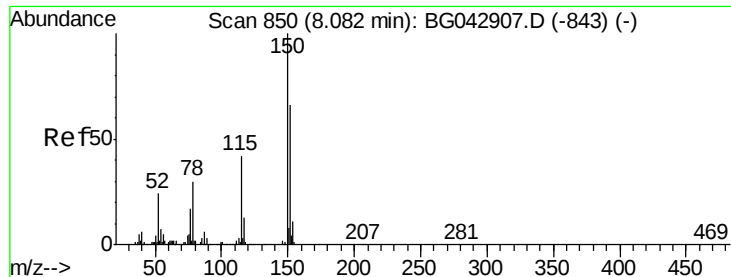
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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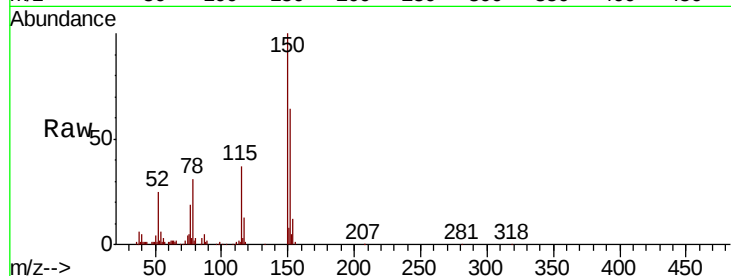


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.08 min Scan# 849
Delta R.T. -0.00 min
Lab File: BG042916.D
Acq: 23 Sep 2019 15:59

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.3	121.4	182.2
115	57.1	50.7	76.1

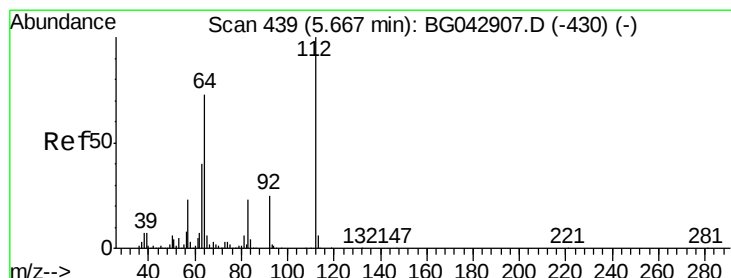
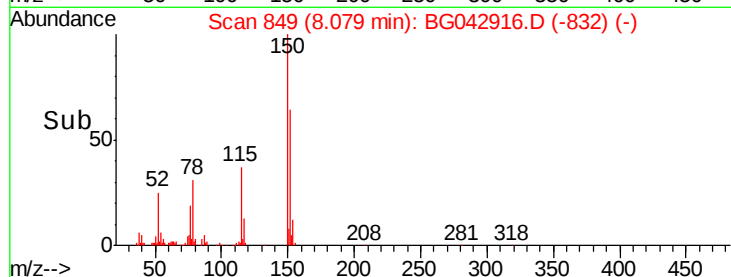
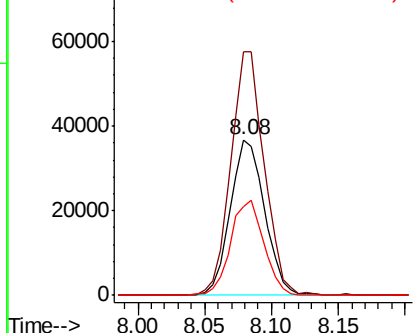


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

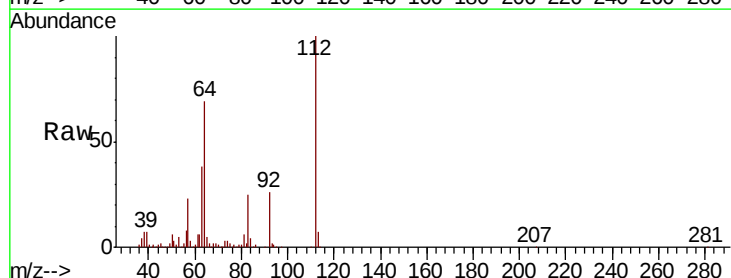
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 149.278 ng
RT: 5.67 min Scan# 439
Delta R.T. 0.00 min
Lab File: BG042916.D
Acq: 23 Sep 2019 15:59

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.7	58.6	87.8
63	38.0	31.6	47.4

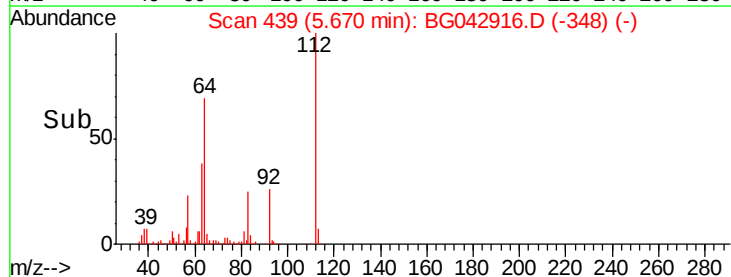
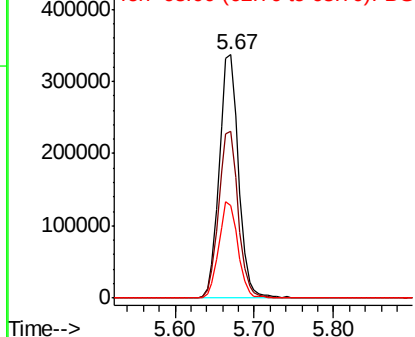


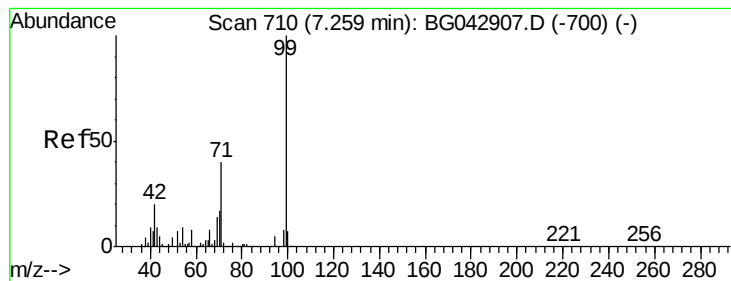
Abundance

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: 151.110 ng

RT: 7.26 min Scan# 710

Delta R.T. 0.00 min

Lab File: BG042916.D

Acq: 23 Sep 2019 15:59

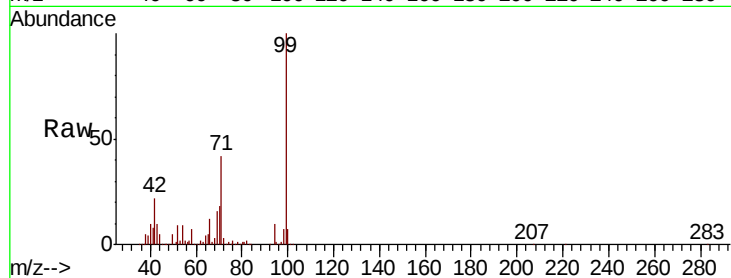
Instrument :

BNA_G

ClientSampled :

Tot Ion: 99 Resp: 829513

Ion	Ratio	Lower	Upper
99	100		
42	21.5	15.8	23.6
71	42.3	32.2	48.2

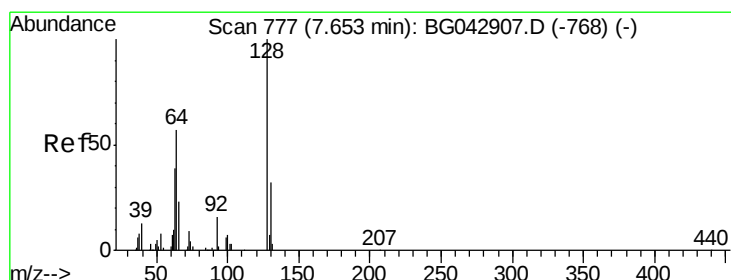
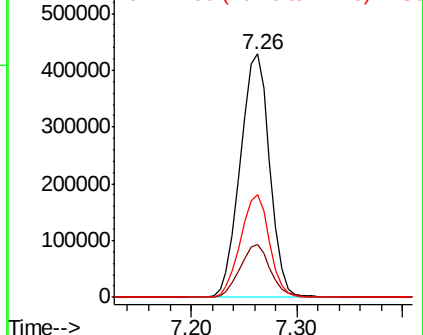
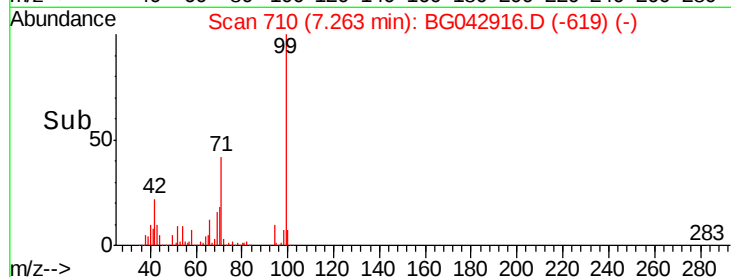


Abundance

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



#8

2-Chlorophenol

Concen: 147.062 ng

RT: 7.66 min Scan# 777

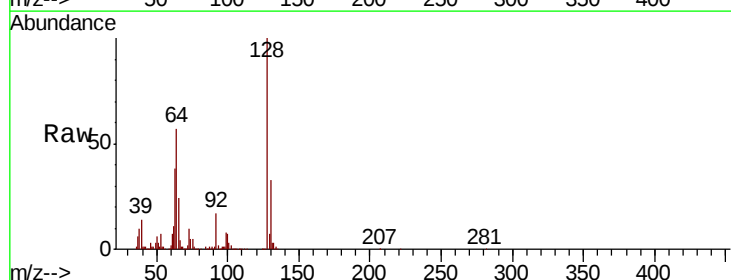
Delta R.T. 0.00 min

Lab File: BG042916.D

Acq: 23 Sep 2019 15:59

Tgt Ion: 128 Resp: 572607

Ion	Ratio	Lower	Upper
128	100		
130	33.1	11.5	51.5
64	56.9	38.7	78.7

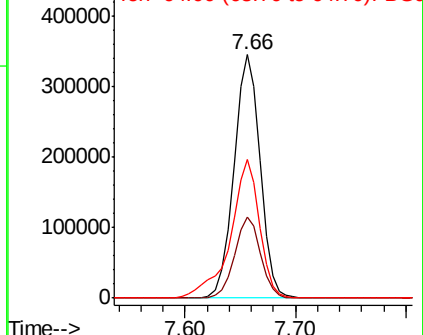
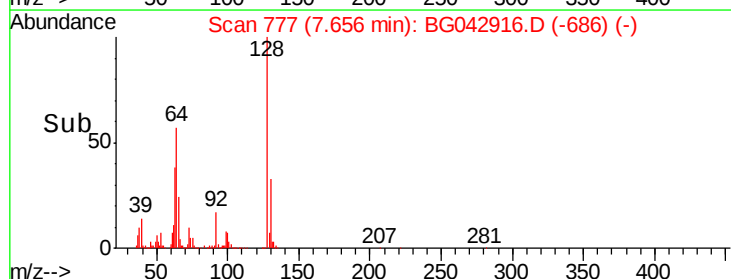


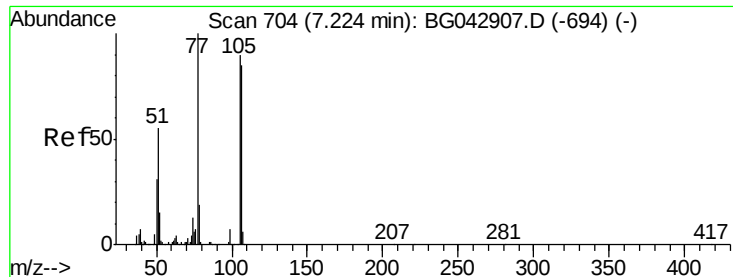
Abundance

Ion 128.00 (127.70 to 128.70): BGC

Ion 130.00 (129.70 to 130.70): BGC

Ion 64.00 (63.70 to 64.70): BGC





#9

Benzaldehyde

Concen: 2.737 ng

RT: 7.29 min Scan# 714

Delta R.T. 0.06 min

Lab File: BG042916.D

Acq: 23 Sep 2019 15:59

Instrument :

BNA_G

ClientSampleId :

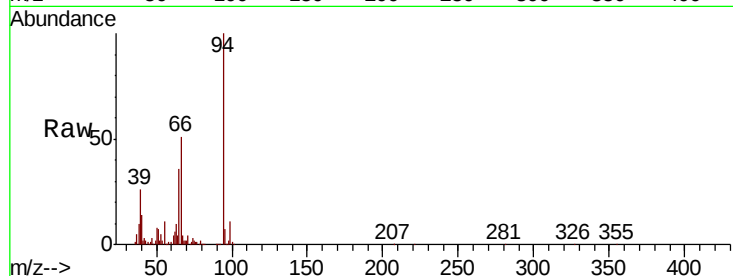
Tot Ion: 77 Resp: 9354

Ion Ratio Lower Upper

77 100

105 0.0 69.8 109.8#

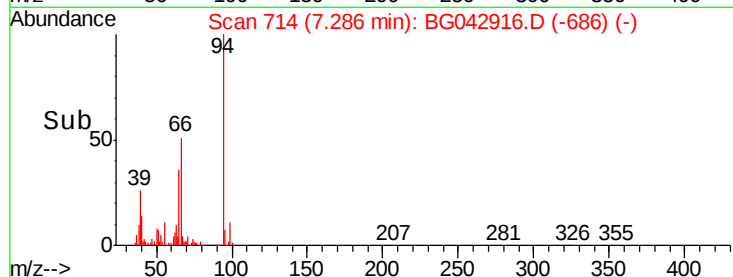
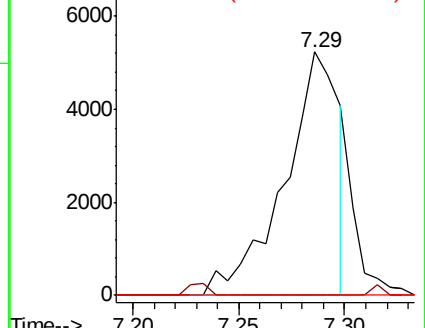
106 0.0 65.2 105.2#



Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 106.00 (105.70 to 106.70): BGC



#10

Phenol

Concen: 157.032 ng

RT: 7.29 min Scan# 714

Delta R.T. 0.00 min

Lab File: BG042916.D

Acq: 23 Sep 2019 15:59

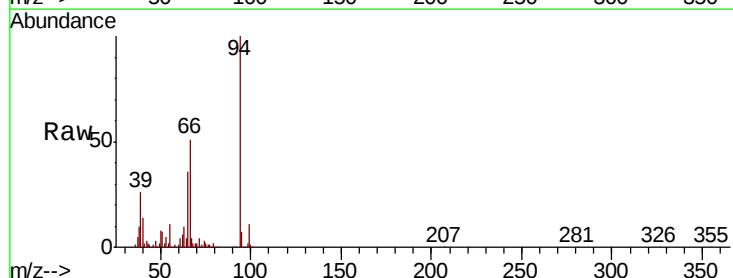
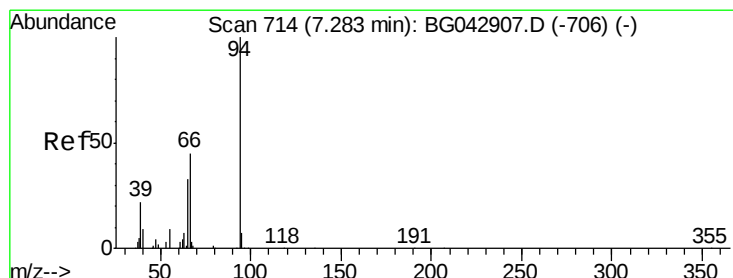
Tgt Ion: 94 Resp: 803522

Ion Ratio Lower Upper

94 100

65 35.8 13.7 53.7

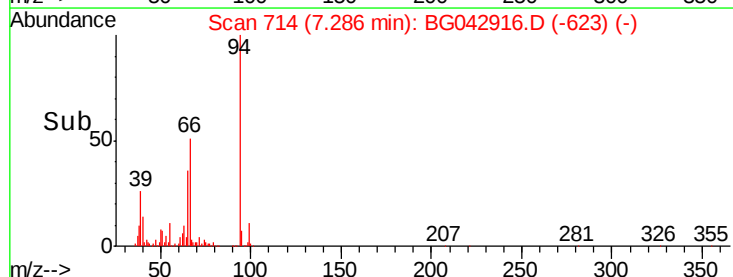
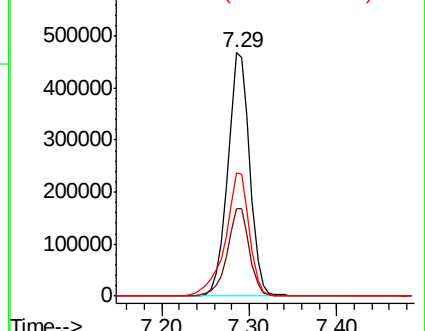
66 50.6 27.4 67.4

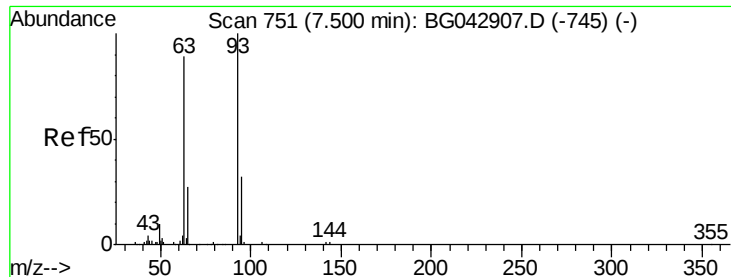


Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

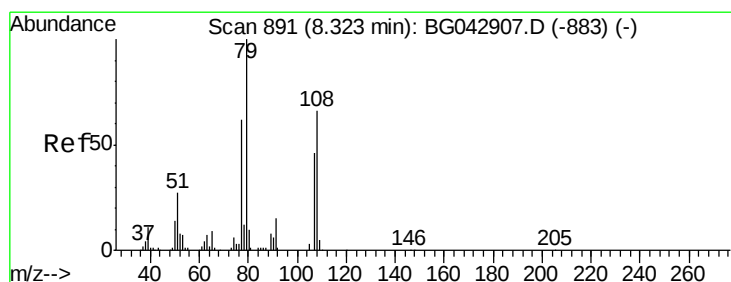
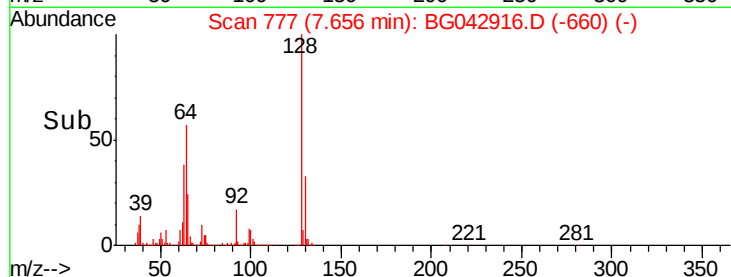
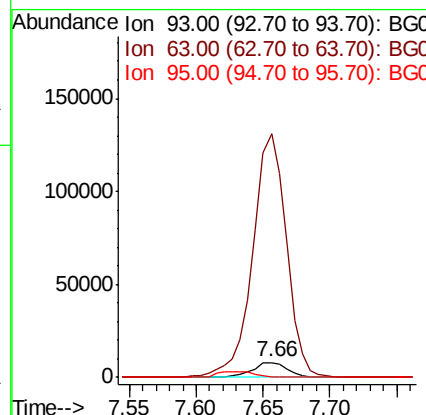
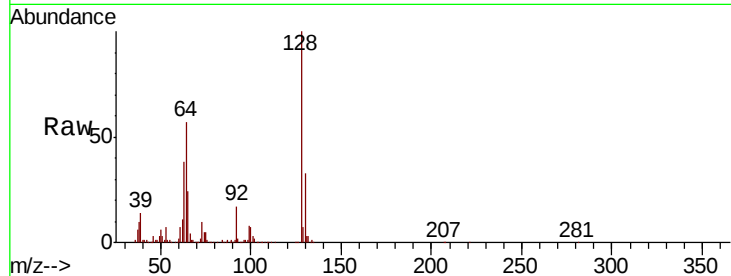




#11
bis(2-Chloroethyl)ether
Concen: 3.615 ng
RT: 7.66 min Scan# 777
Delta R.T. 0.16 min
Lab File: BG042916.D
Acq: 23 Sep 2019 15:59

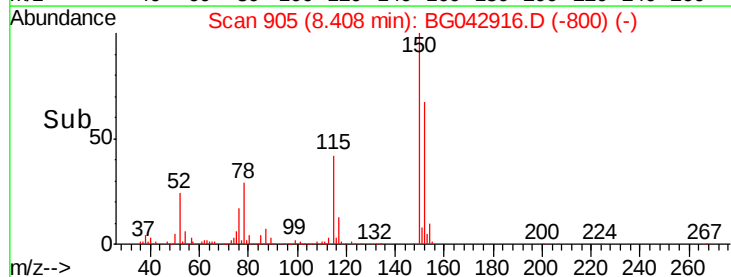
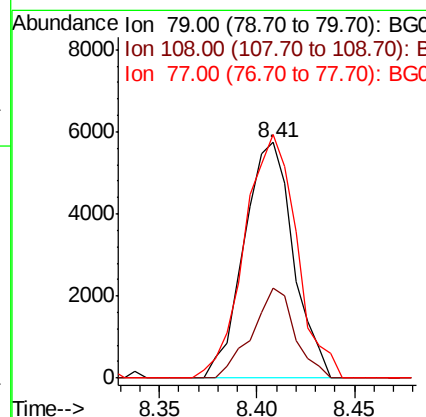
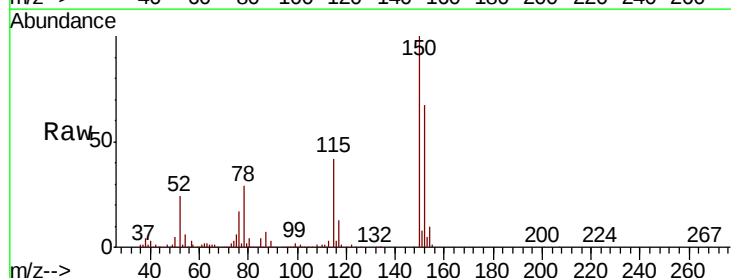
Instrument :
BNA_G
ClientSampleId :

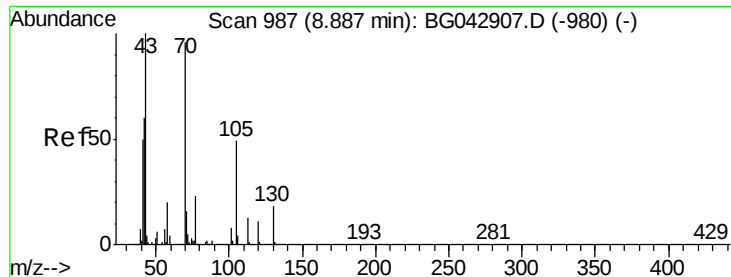
Tot Ion: 93 Resp: 14422
Ion Ratio Lower Upper
93 100
63 1660.0 68.1 108.1#
95 6.3 11.3 51.3#



#15
Benzyl Alcohol
Concen: 2.432 ng
RT: 8.41 min Scan# 905
Delta R.T. 0.09 min
Lab File: BG042916.D
Acq: 23 Sep 2019 15:59

Tgt Ion: 79 Resp: 10039
Ion Ratio Lower Upper
79 100
108 38.2 52.4 78.6#
77 103.3 49.6 74.4#

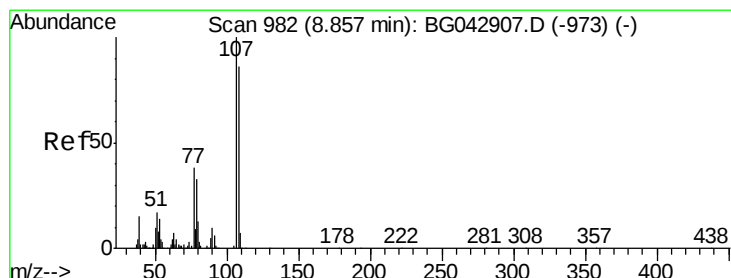
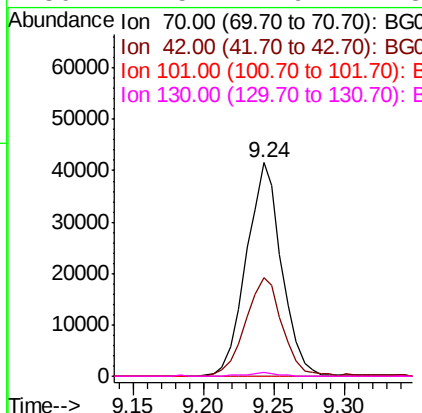
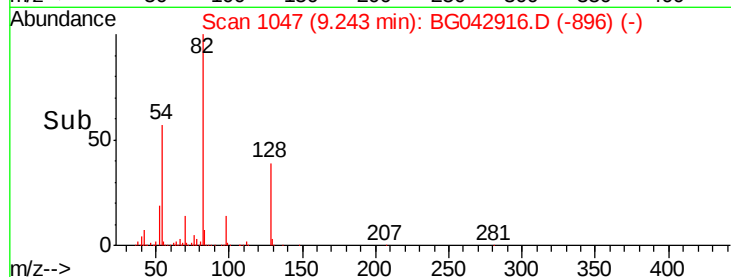
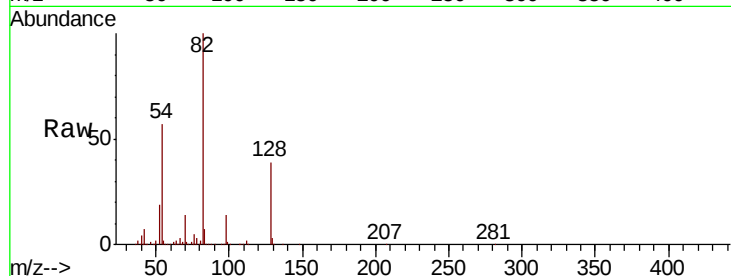




#19
n-Nitroso-di-n-propylamine
Concen: 19.832 ng
RT: 9.24 min Scan# 1047
Delta R.T. 0.36 min
Lab File: BG042916.D
Acq: 23 Sep 2019 15:59

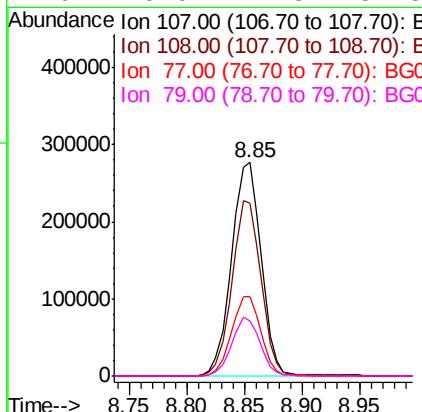
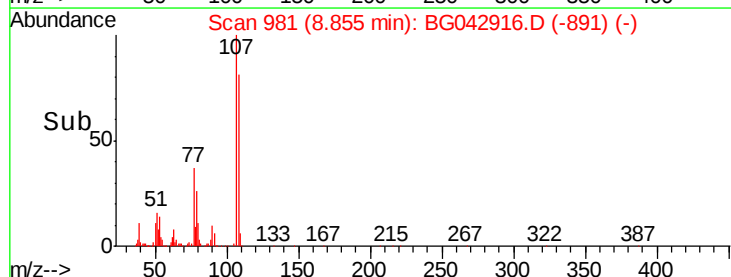
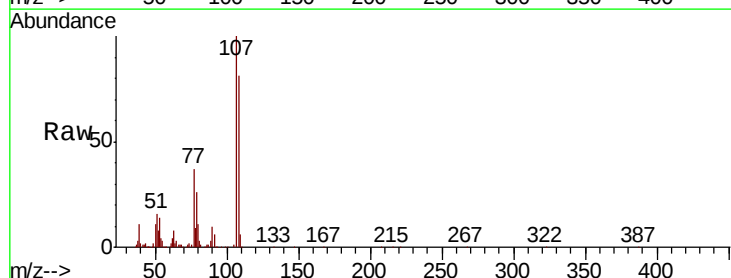
Instrument :
BNA_G
ClientSampleId :

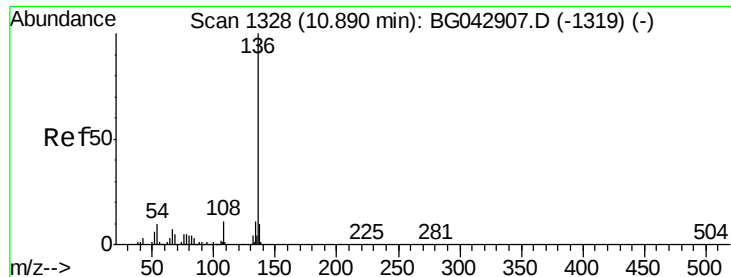
Tot Ion: 70 Resp: 72612
Ion Ratio Lower Upper
70 100
42 46.1 50.5 75.7#
101 0.0 7.0 10.4#
130 1.5 14.9 22.3#



#20
3+4-Methylphenols
Concen: 101.706 ng
RT: 8.85 min Scan# 981
Delta R.T. -0.00 min
Lab File: BG042916.D
Acq: 23 Sep 2019 15:59

Tgt Ion:107 Resp: 493562
Ion Ratio Lower Upper
107 100
108 81.1 66.2 106.2
77 37.1 18.0 58.0
79 26.0 12.8 52.8





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.89 min Scan# 1327

Delta R.T. -0.00 min

Lab File: BG042916.D

Acq: 23 Sep 2019 15:59

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 241808

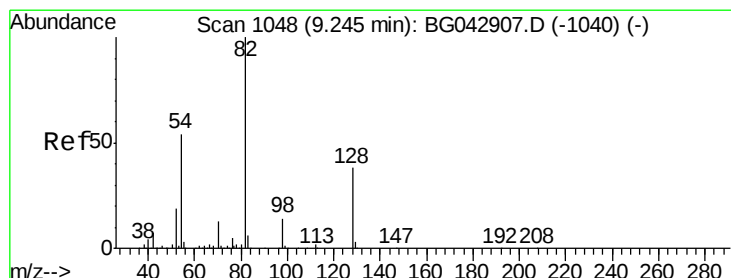
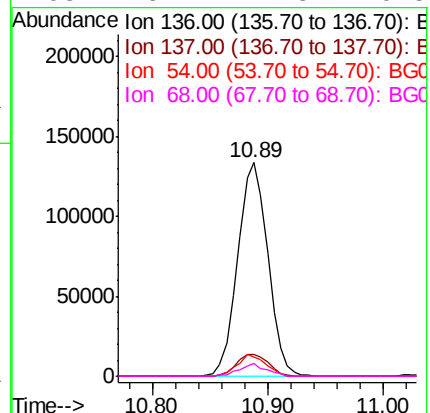
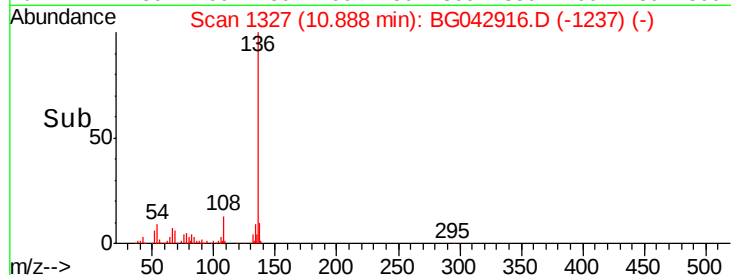
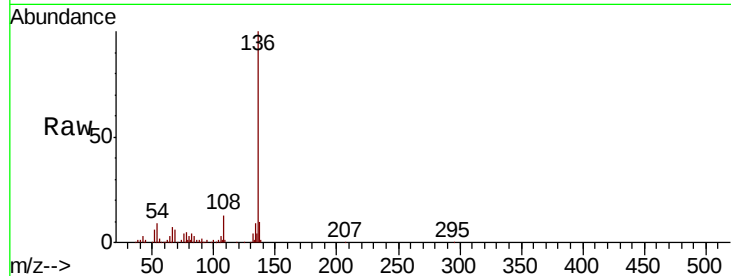
Ion Ratio Lower Upper

136 100

137 10.1 8.2 12.2

54 9.2 8.2 12.2

68 5.7 4.3 6.5



#23

Nitrobenzene-d5

Concen: 105.530 ng

RT: 9.24 min Scan# 1047

Delta R.T. -0.00 min

Lab File: BG042916.D

Acq: 23 Sep 2019 15:59

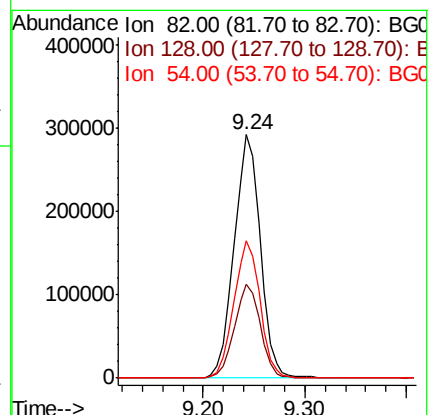
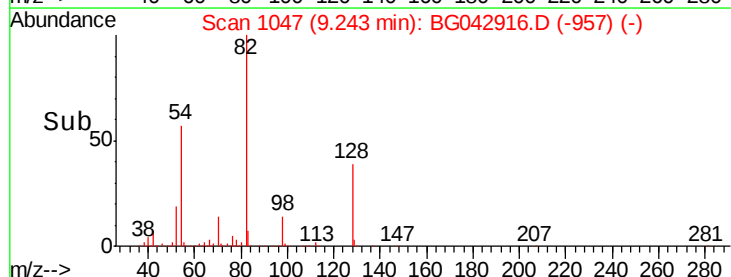
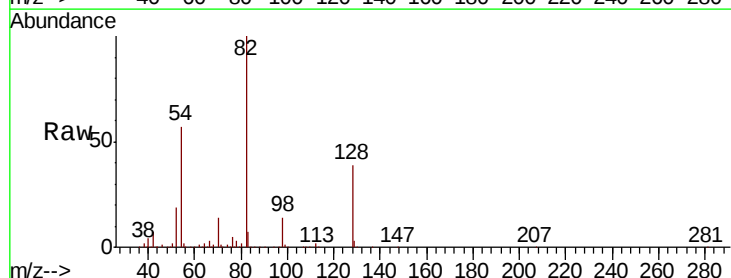
Tgt Ion: 82 Resp: 523102

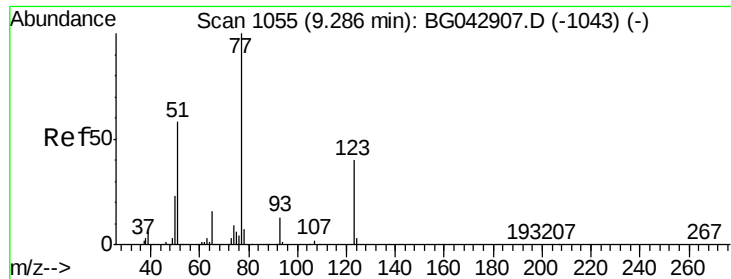
Ion Ratio Lower Upper

82 100

128 38.7 30.4 45.6

54 56.6 43.4 65.0

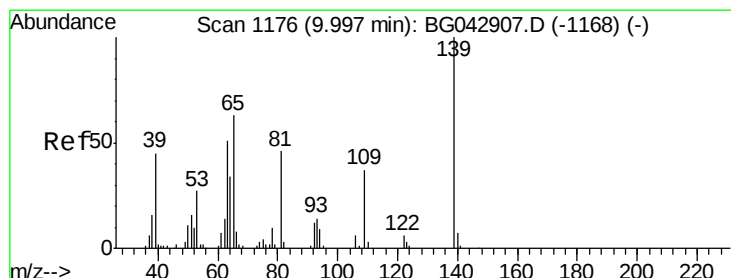
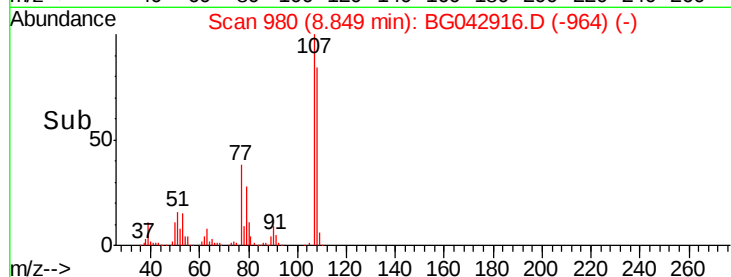
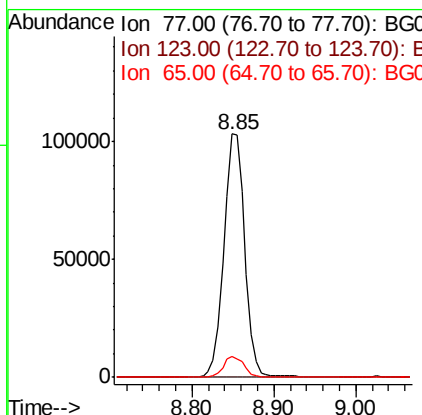
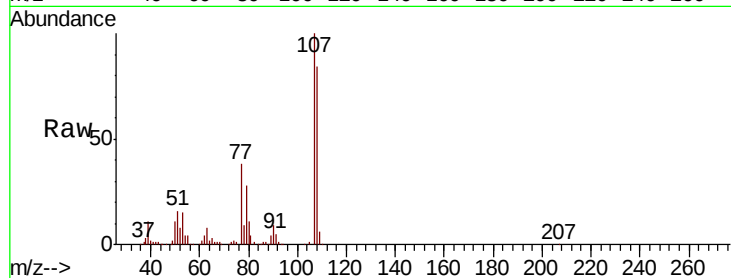




#24
Nitrobenzene
Concen: 38.205 ng
RT: 8.85 min Scan# 980
Delta R.T. -0.44 min
Lab File: BG042916.D
Acq: 23 Sep 2019 15:59

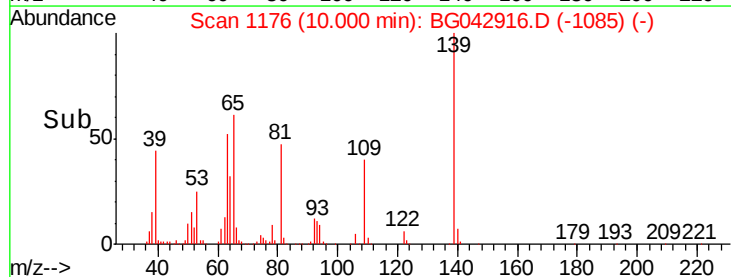
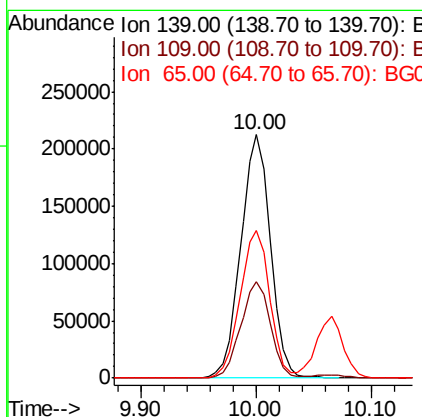
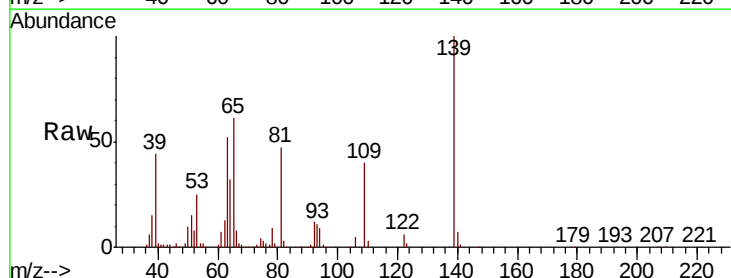
Instrument :
BNA_G
ClientSampleId :

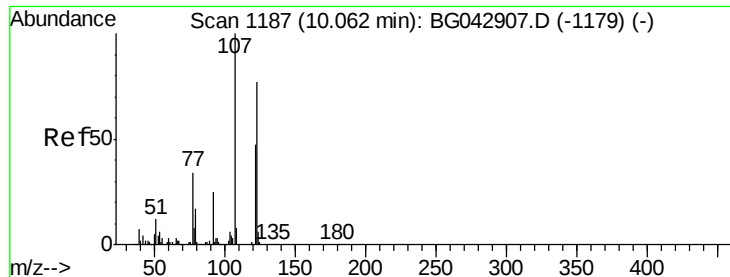
Tot Ion	Ratio	Lower	Upper
77	100		
123	0.0	32.3	48.5#
65	8.8	12.6	19.0#



#26
2-Nitrophenol
Concen: 191.211 ng
RT: 10.00 min Scan# 1176
Delta R.T. 0.00 min
Lab File: BG042916.D
Acq: 23 Sep 2019 15:59

Tgt Ion	Ratio	Lower	Upper
139	100		
109	39.8	29.3	43.9
65	60.8	51.1	76.7





#27

2,4-Dimethylphenol

Concen: 213.821 ng

RT: 10.07 min Scan# 1187

Delta R.T. 0.00 min

Lab File: BG042916.D

Acq: 23 Sep 2019 15:59

Instrument :

BNA_G

ClientSampleId :

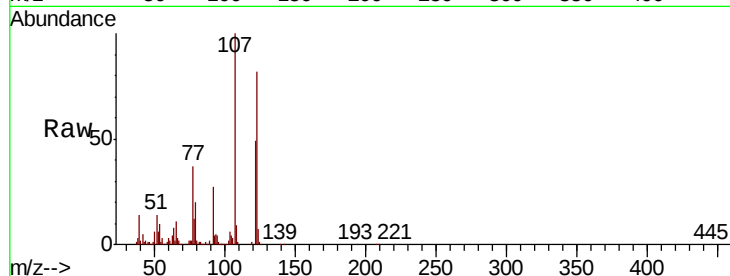
Tot Ion:122 Resp: 661234

Ion Ratio Lower Upper

122 100

107 122.5 103.3 154.9

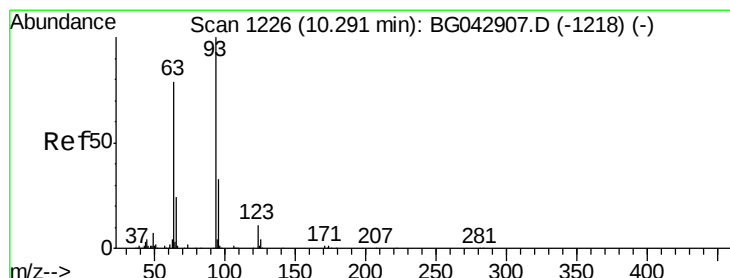
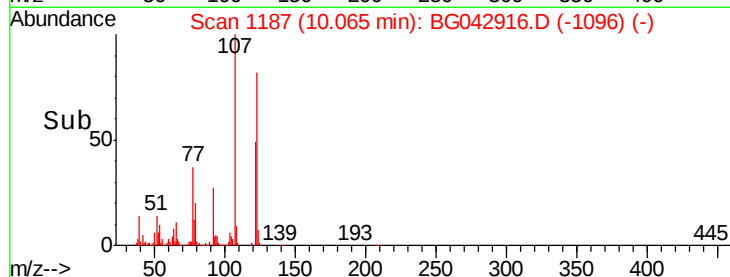
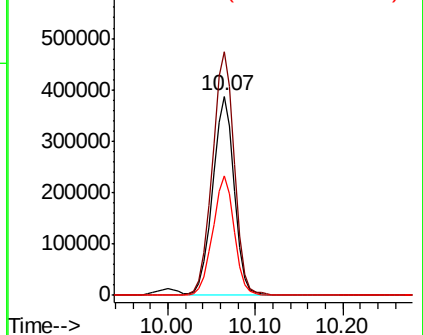
121 60.2 48.5 72.7



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 7.390 ng

RT: 10.07 min Scan# 1187

Delta R.T. -0.23 min

Lab File: BG042916.D

Acq: 23 Sep 2019 15:59

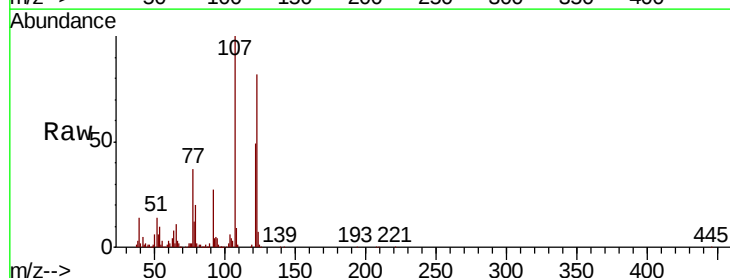
Tgt Ion: 93 Resp: 37772

Ion Ratio Lower Upper

93 100

95 17.6 26.3 39.5#

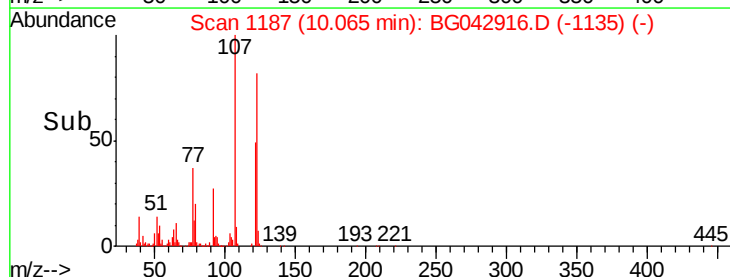
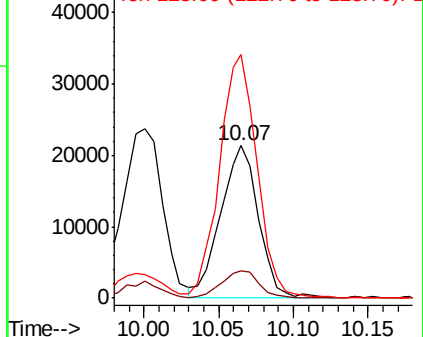
123 159.9 8.6 13.0#

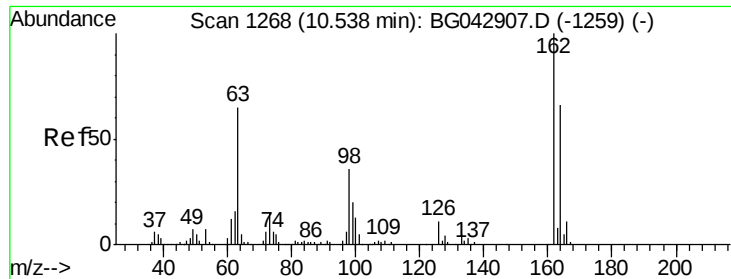


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 95.00 (94.70 to 95.70): BGC

Ion 123.00 (122.70 to 123.70): E

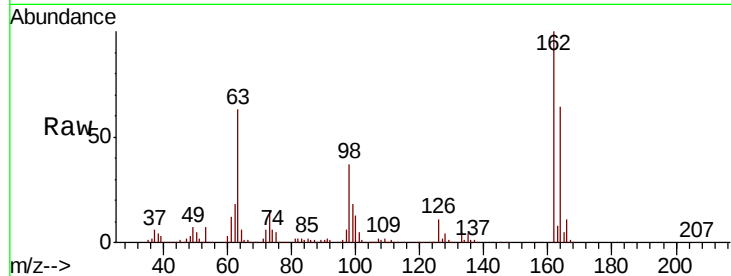




#29
2,4-Dichlorophenol
Concen: 180.011 ng
RT: 10.54 min Scan# 1267
Delta R.T. -0.00 min
Lab File: BG042916.D
Acq: 23 Sep 2019 15:59

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
162	100		
164	64.4	45.9	85.9
98	36.9	15.7	55.7

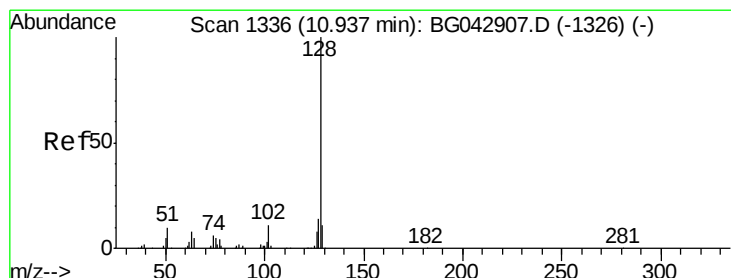
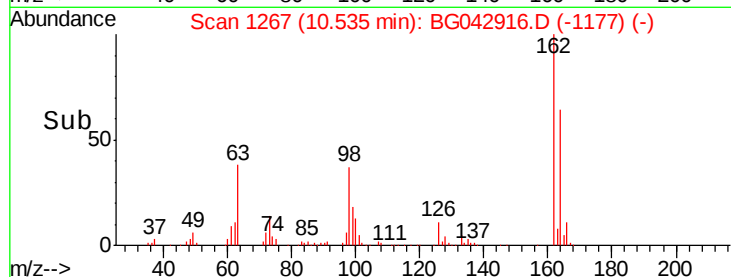
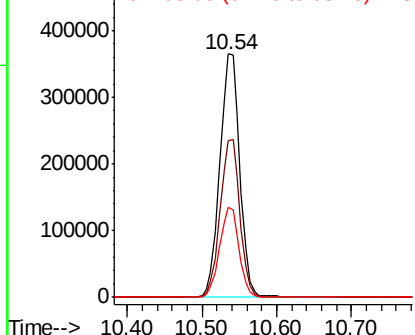


Abundance

Ion 162.00 (161.70 to 162.70): E

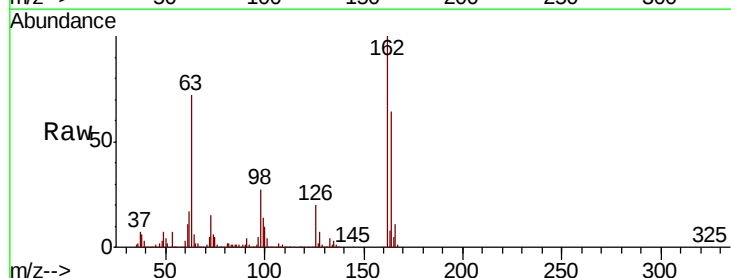
Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): B



#31
Naphthalene
Concen: 3.118 ng
RT: 11.06 min Scan# 1357
Delta R.T. 0.13 min
Lab File: BG042916.D
Acq: 23 Sep 2019 15:59

Tgt Ion	Ratio	Lower	Upper
128	100		
129	8.0	9.0	13.6#
127	27.7	11.0	16.4#

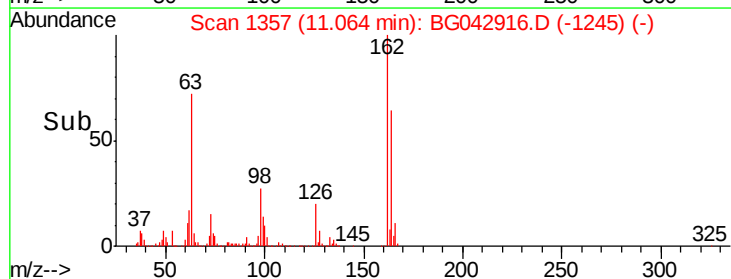
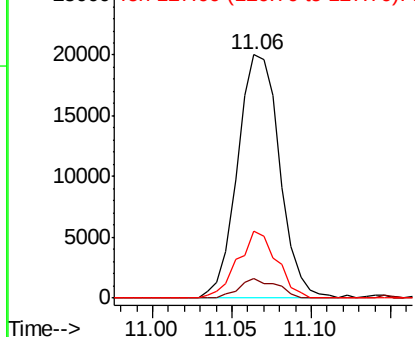


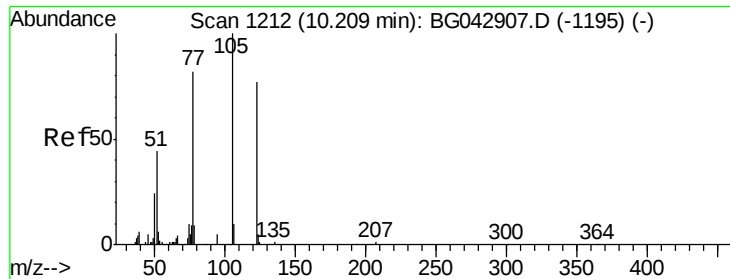
Abundance

Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#32

Benzoic acid

Concen: 236.458 ng

RT: 10.07 min Scan# 1187

Delta R.T. -0.14 min

Lab File: BG042916.D

Acq: 23 Sep 2019 15:59

Instrument :

BNA_G

ClientSampleId :

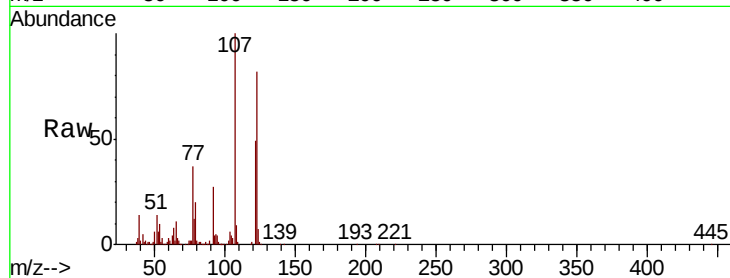
Tot Ion:122 Resp: 661234

Ion Ratio Lower Upper

122 100

105 3.8 108.3 148.3#

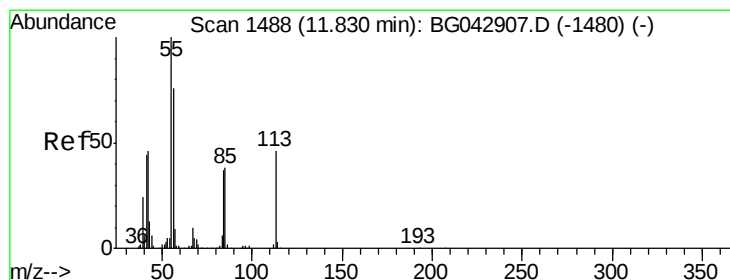
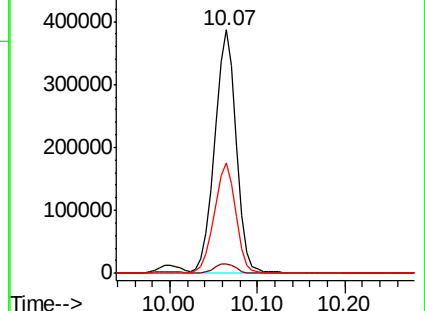
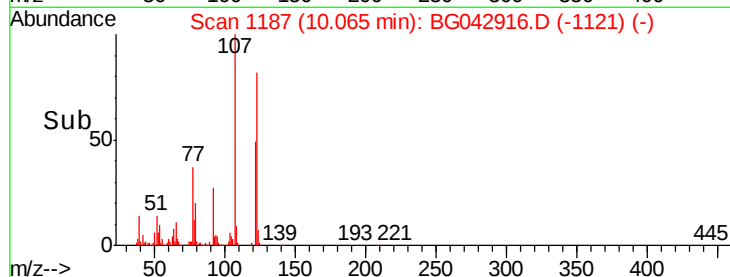
77 45.6 85.5 125.5#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BGC



#35

Caprolactam

Concen: 12.811 ng

RT: 12.16 min Scan# 1544

Delta R.T. 0.33 min

Lab File: BG042916.D

Acq: 23 Sep 2019 15:59

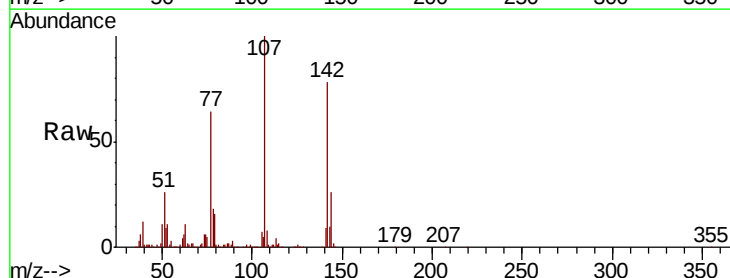
Tgt Ion:113 Resp: 17410

Ion Ratio Lower Upper

113 100

55 80.8 196.9 236.9#

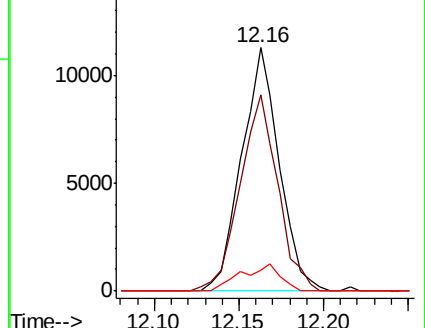
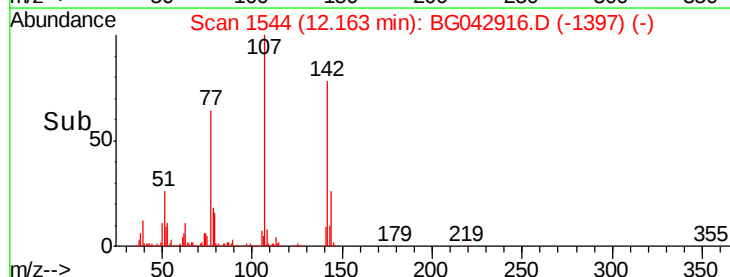
56 8.8 145.6 185.6#

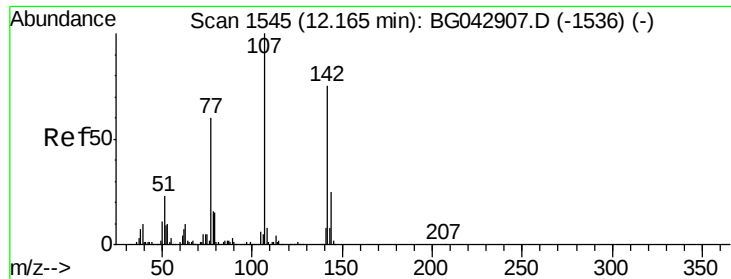


Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BGC

Ion 56.00 (55.70 to 56.70): BGC

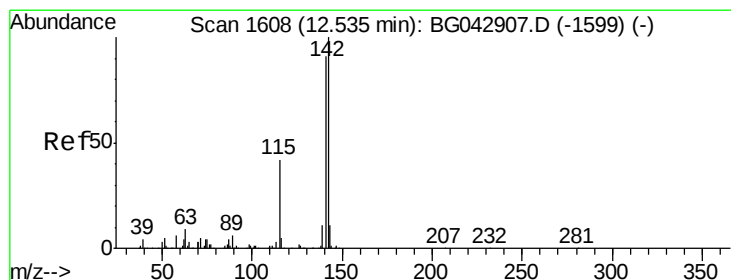
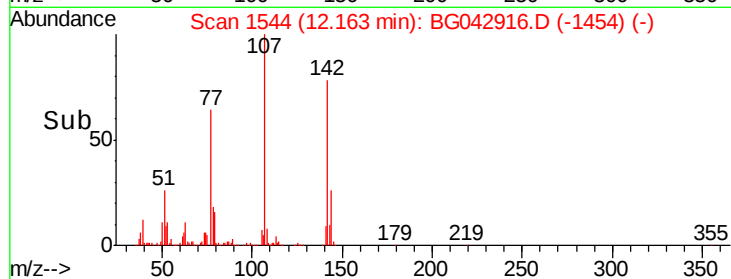
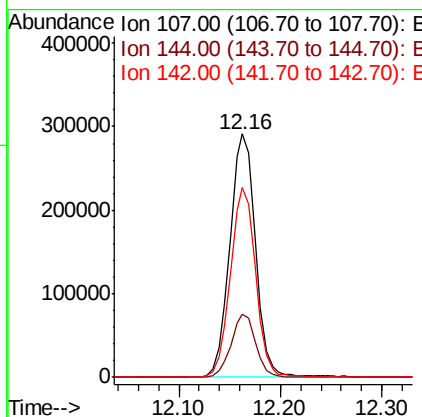
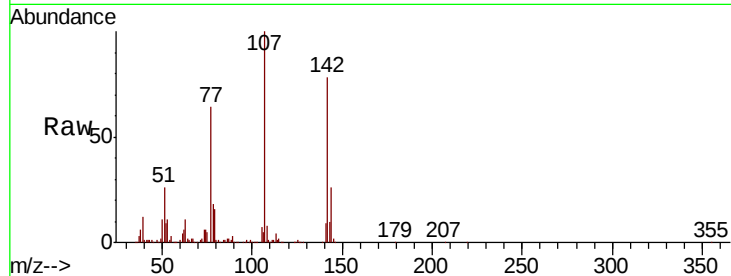




#36
 4-Chloro-3-methylphenol
 Concen: 122.573 ng
 RT: 12.16 min Scan# 1544
 Delta R.T. -0.00 min
 Lab File: BG042916.D
 Acq: 23 Sep 2019 15:59

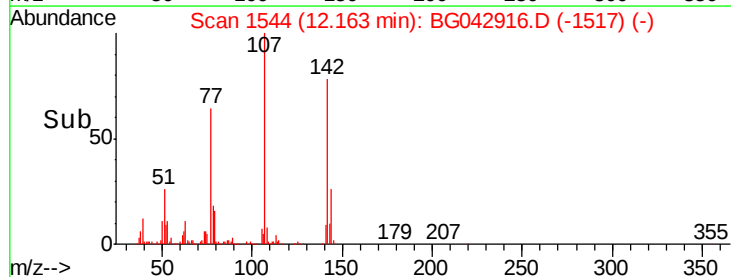
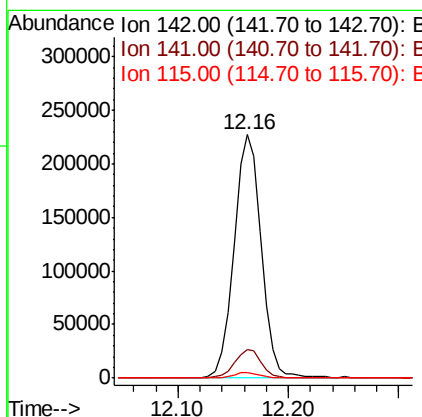
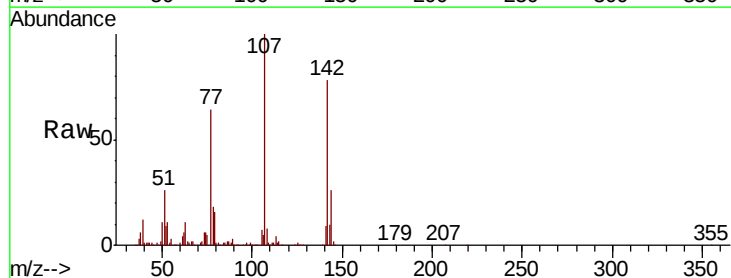
Instrument :
 BNA_G
 ClientSampleId :

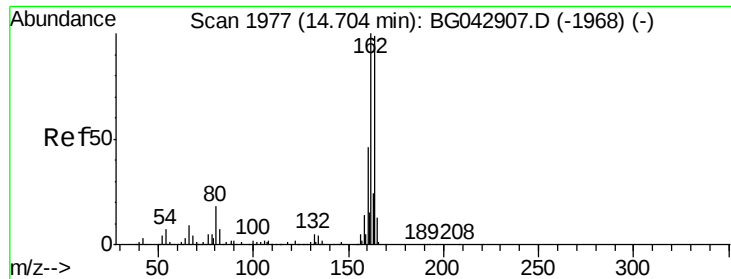
Tot Ion	Ratio	Lower	Upper
107	100		
144	26.1	20.3	30.5
142	78.0	59.8	89.8



#37
 2-Methylnaphthalene
 Concen: 43.651 ng
 RT: 12.16 min Scan# 1544
 Delta R.T. -0.37 min
 Lab File: BG042916.D
 Acq: 23 Sep 2019 15:59

Tgt Ion	Ratio	Lower	Upper
142	100		
141	11.5	73.1	109.7#
115	2.2	33.8	50.6#

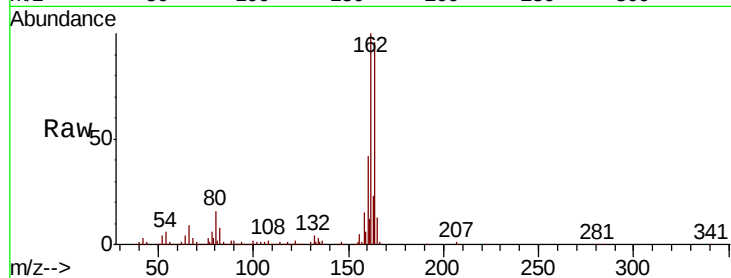




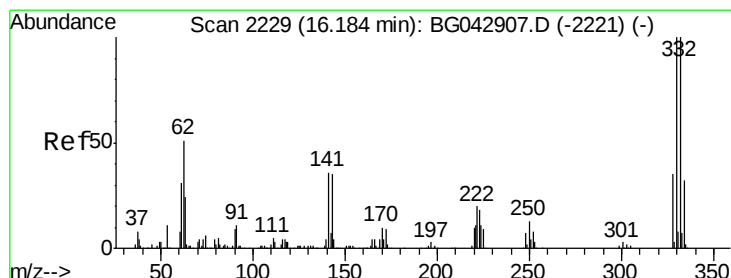
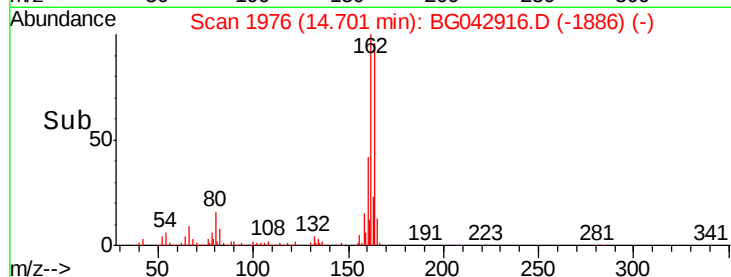
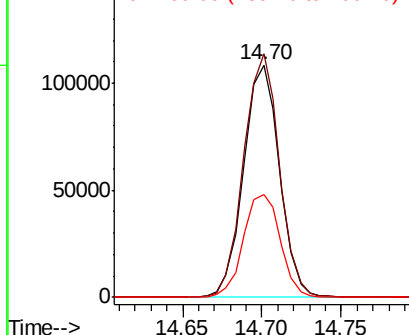
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.70 min Scan# 1976
Delta R.T. -0.00 min
Lab File: BG042916.D
Acq: 23 Sep 2019 15:59

Instrument :
BNA_G
ClientSampleId :

Tot Ion:164 Resp: 170796
Ion Ratio Lower Upper
164 100
162 104.7 81.2 121.8
160 44.1 37.0 55.6

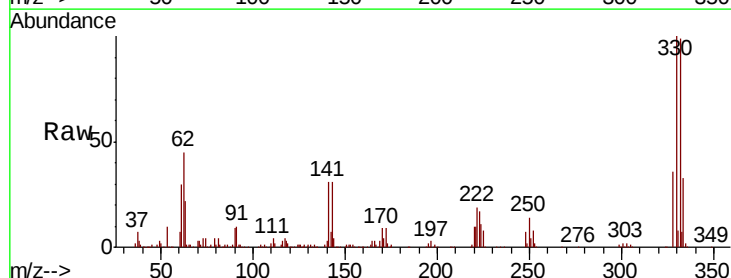


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

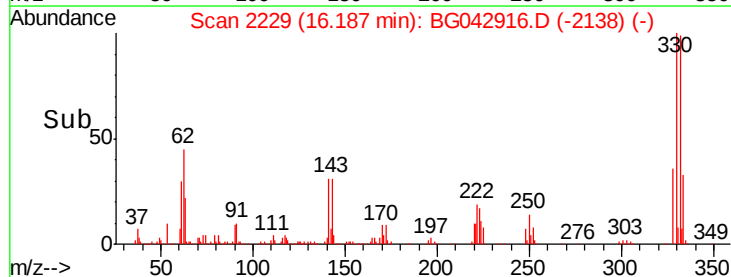
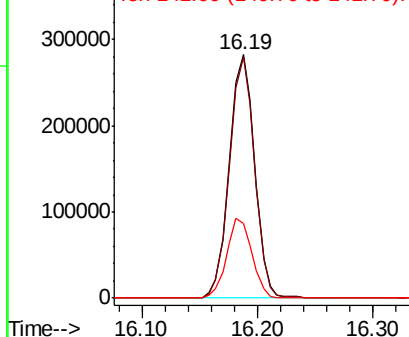


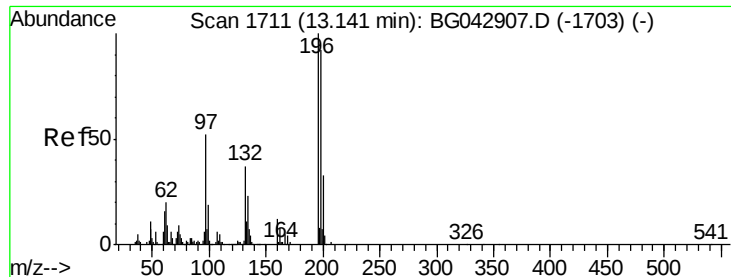
#42
2,4,6-Tribromophenol
Concen: 159.831 ng
RT: 16.19 min Scan# 2229
Delta R.T. 0.00 min
Lab File: BG042916.D
Acq: 23 Sep 2019 15:59

Tgt Ion:330 Resp: 430512
Ion Ratio Lower Upper
330 100
332 97.9 77.4 116.2
141 32.5 26.5 39.7



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

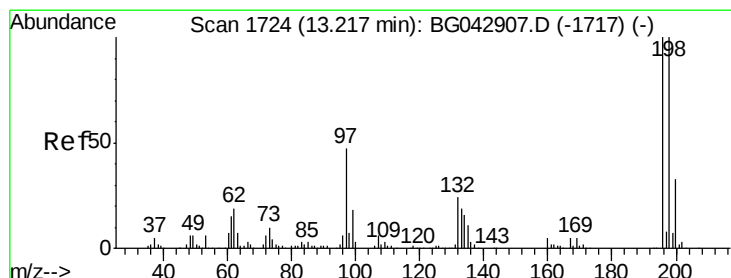
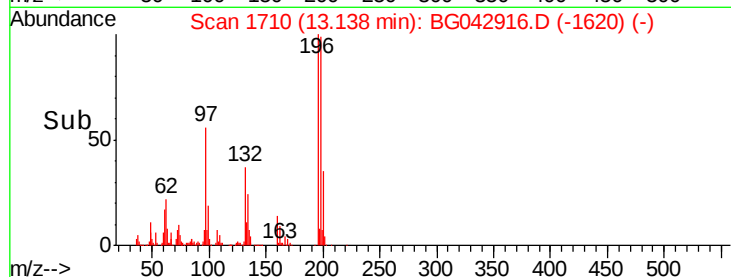
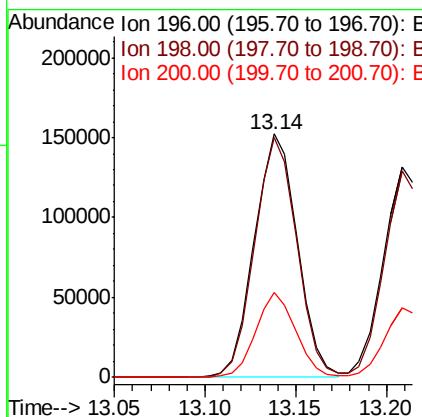
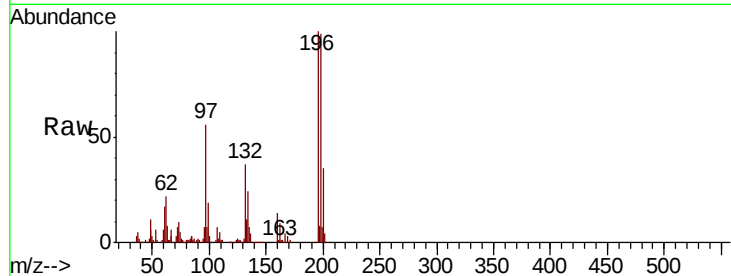




#43
 2,4,6-Trichlorophenol
 Concen: 67.675 ng
 RT: 13.14 min Scan# 1710
 Delta R.T. -0.00 min
 Lab File: BG042916.D
 Acq: 23 Sep 2019 15:59

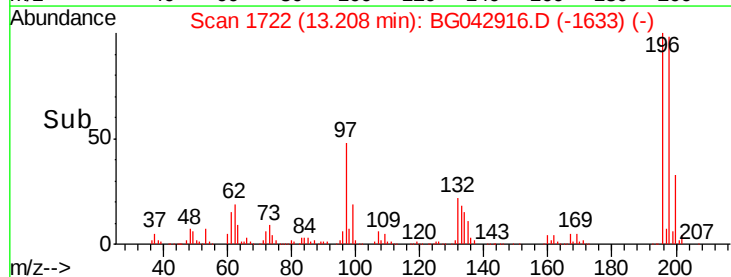
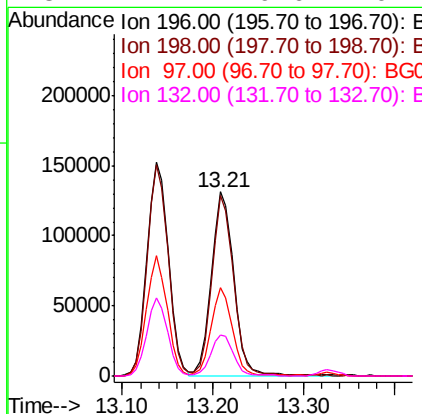
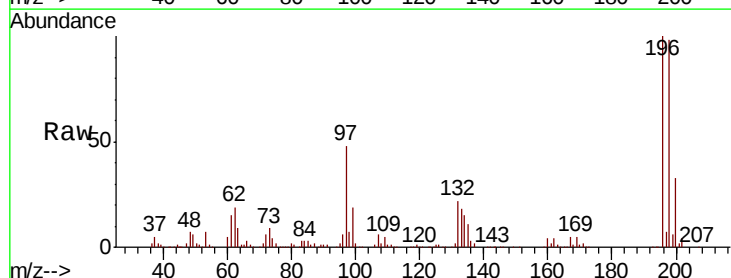
Instrument :
 BNA_G
 ClientSampleId :

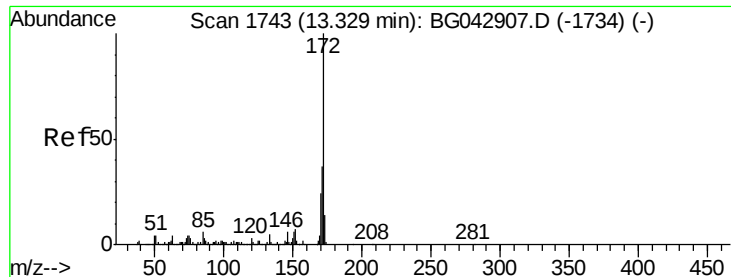
Tot Ion	196	Resp	250284
Ion Ratio	Lower	Upper	
196	100		
198	98.6	73.5	110.3
200	35.1	26.0	39.0



#44
 2,4,5-Trichlorophenol
 Concen: 59.053 ng
 RT: 13.21 min Scan# 1722
 Delta R.T. -0.01 min
 Lab File: BG042916.D
 Acq: 23 Sep 2019 15:59

Tgt Ion	196	Resp	225413
Ion Ratio	Lower	Upper	
196	100		
198	98.1	80.0	120.0
97	48.2	38.0	57.0
132	22.4	19.6	29.4





#45

2-Fluorobiphenyl

Concen: 104.717 ng

RT: 13.33 min Scan# 1742

Delta R.T. -0.00 min

Lab File: BG042916.D

Acq: 23 Sep 2019 15:59

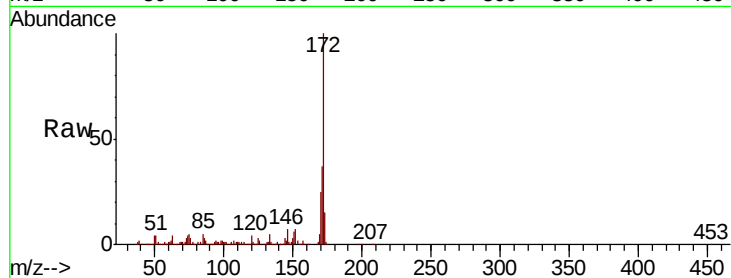
Instrument :

BNA_G

ClientSampleId :

Tot Ion:172 Resp: 1219070

Ion	Ratio	Lower	Upper
172	100		
171	37.5	29.7	44.5
170	25.0	19.5	29.3

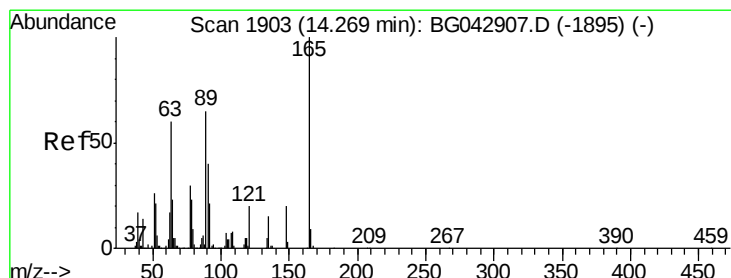
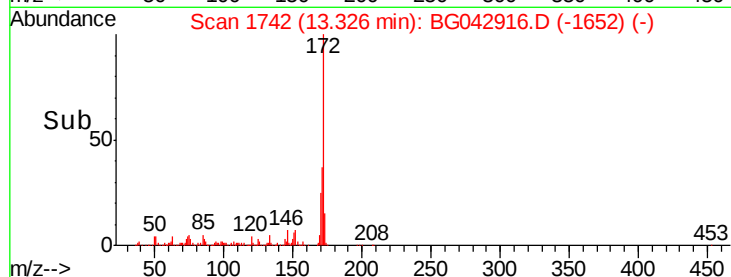
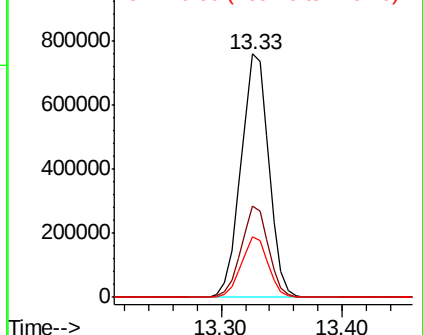


Abundance

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



#51

2,6-Dinitrotoluene

Concen: 8.355 ng

RT: 14.70 min Scan# 1976

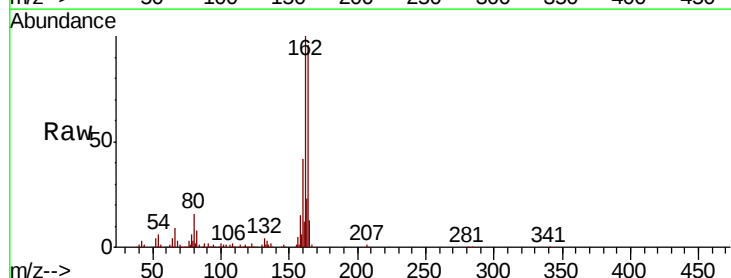
Delta R.T. 0.43 min

Lab File: BG042916.D

Acq: 23 Sep 2019 15:59

Tgt Ion:165 Resp: 22243

Ion	Ratio	Lower	Upper
165	100		
63	1.8	52.6	79.0#
89	0.0	52.2	78.4#

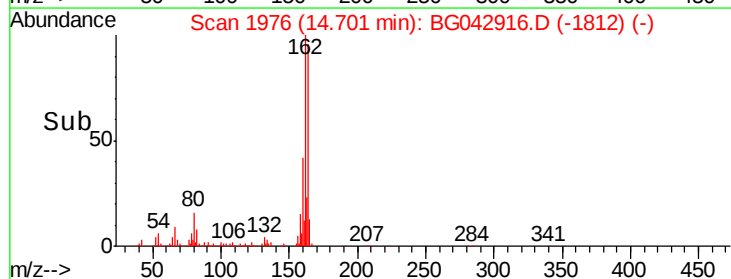
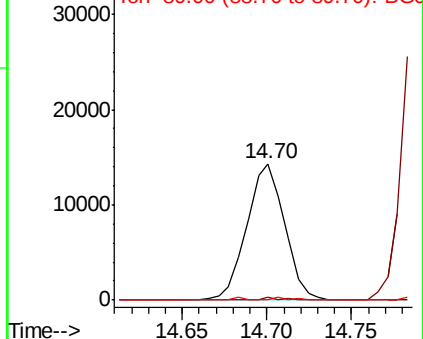


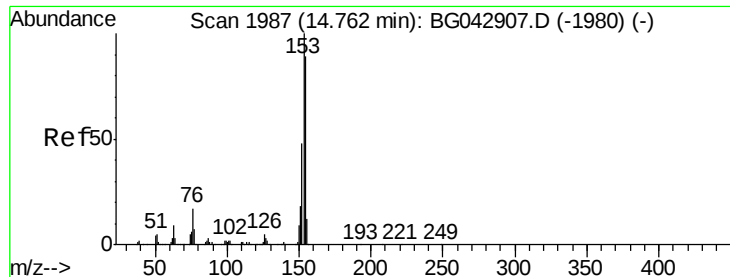
Abundance

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: 20.693 ng

RT: 14.81 min Scan# 1994

Delta R.T. 0.04 min

Lab File: BG042916.D

Acq: 23 Sep 2019 15:59

Instrument :

BNA_G

ClientSampleId :

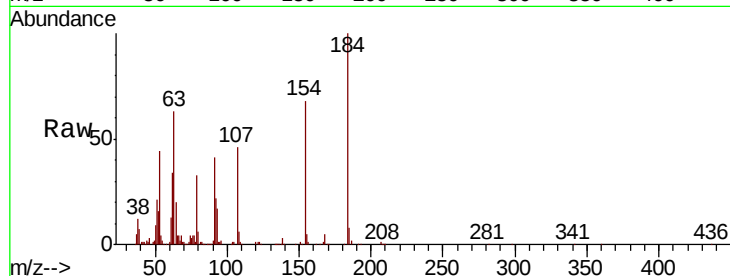
Tot Ion:154 Resp: 203398

Ion Ratio Lower Upper

154 100

153 0.0 89.9 134.9#

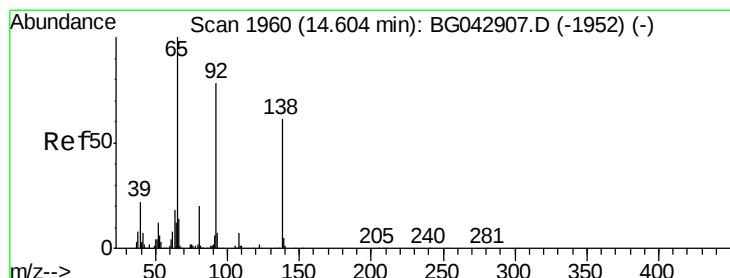
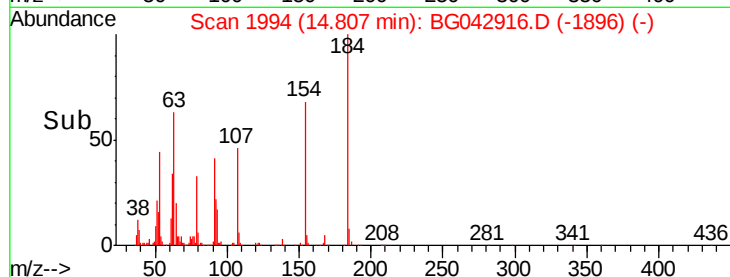
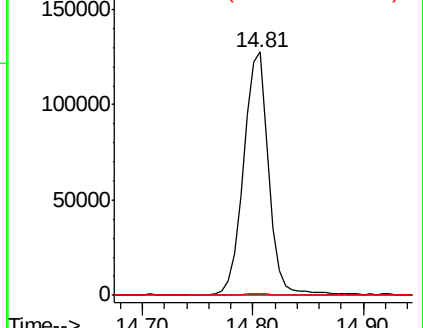
152 0.5 42.7 64.1#



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: 2.918 ng

RT: 14.81 min Scan# 1994

Delta R.T. 0.20 min

Lab File: BG042916.D

Acq: 23 Sep 2019 15:59

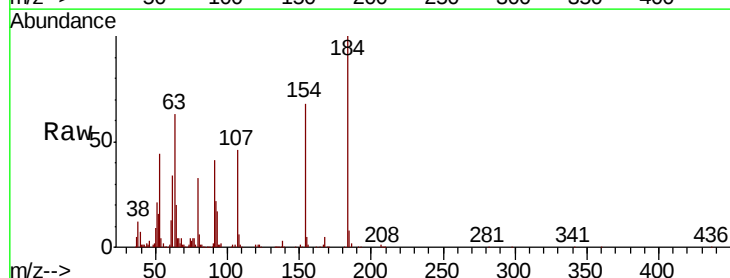
Tgt Ion:138 Resp: 8165

Ion Ratio Lower Upper

138 100

108 200.1 9.7 14.5#

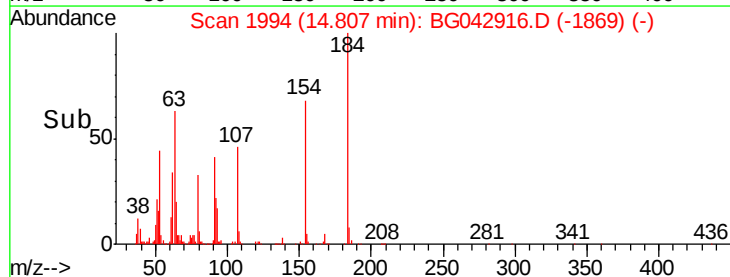
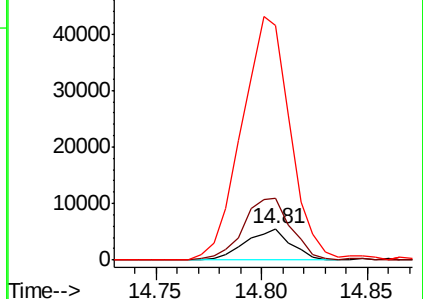
92 753.4 103.0 154.6#

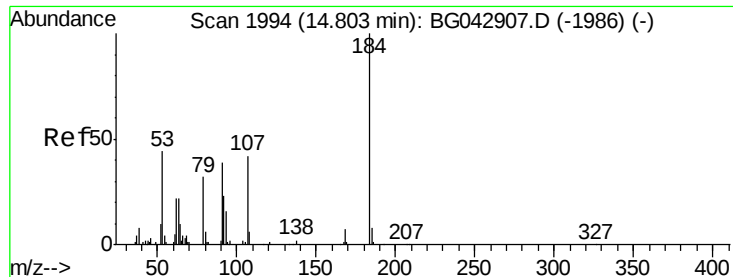


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BGC





#54

2,4-Dinitrophenol

Concen: 191.044 ng

RT: 14.80 min Scan# 1993

Delta R.T. -0.00 min

Lab File: BG042916.D

Acq: 23 Sep 2019 15:59

Instrument :

BNA_G

ClientSampleId :

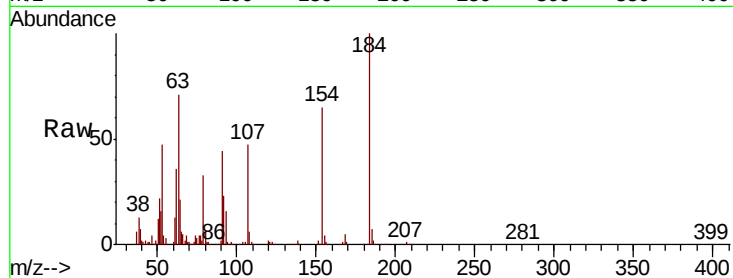
Tot Ion:184 Resp: 299662

Ion Ratio Lower Upper

184 100

63 70.9 55.0 82.4

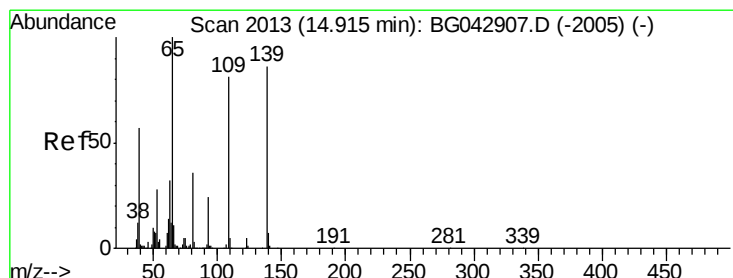
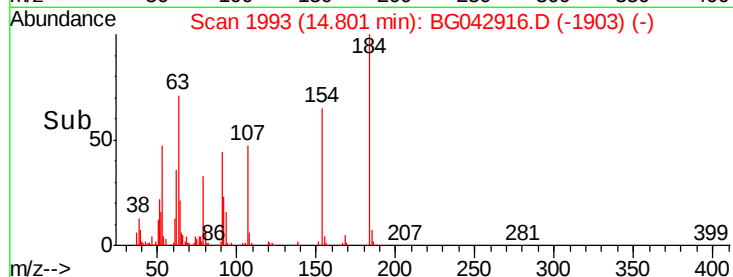
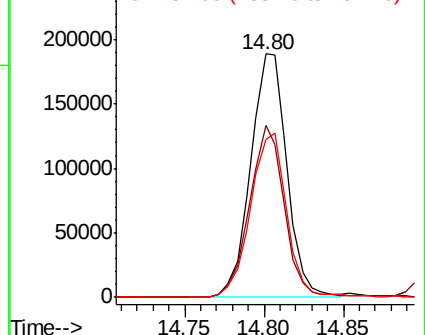
154 64.9 54.2 81.4



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BG

Ion 154.00 (153.70 to 154.70): E



#56

4-Nitrophenol

Concen: 124.443 ng

RT: 14.92 min Scan# 2013

Delta R.T. 0.00 min

Lab File: BG042916.D

Acq: 23 Sep 2019 15:59

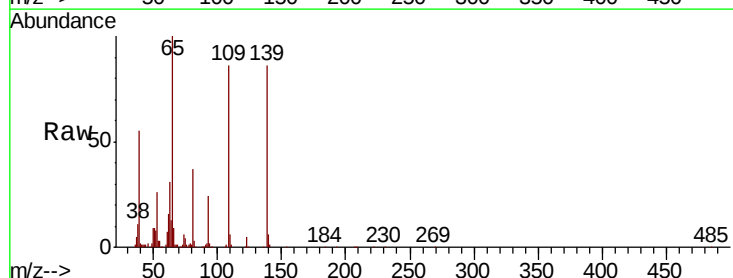
Tgt Ion:139 Resp: 265210

Ion Ratio Lower Upper

139 100

109 99.2 73.4 113.4

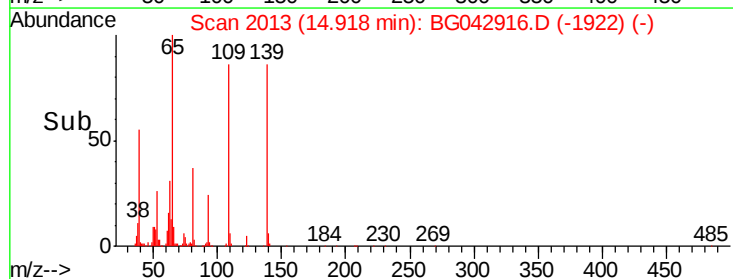
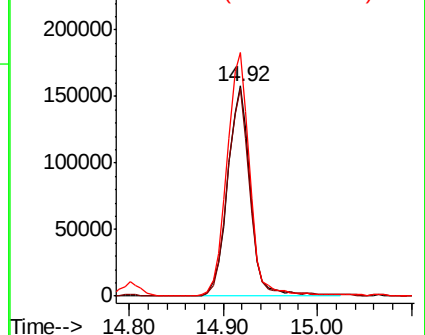
65 115.9 96.0 136.0

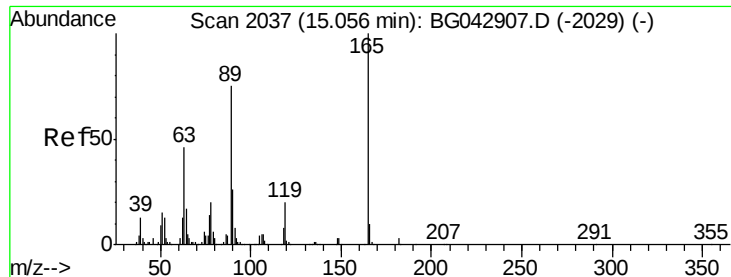


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BG





#57

2,4-Dinitrotoluene

Concen: 5.887 ng

RT: 14.70 min Scan# 1976

Delta R.T. -0.36 min

Lab File: BG042916.D

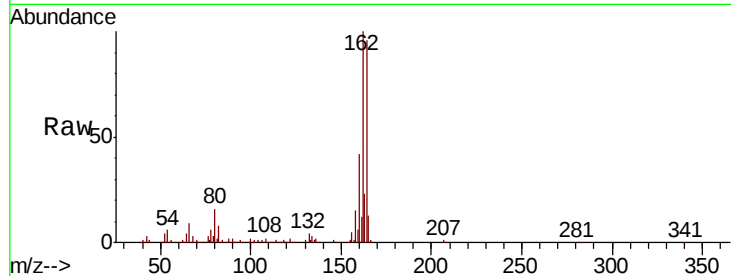
Acq: 23 Sep 2019 15:59

Instrument :

BNA_G

ClientSampleId :

Tot Ion:	165	Resp:	22243
Ion	Ratio	Lower	Upper
165	100		
63	1.8	37.4	56.0#
89	0.0	59.8	89.8#
182	0.0	2.3	3.5#

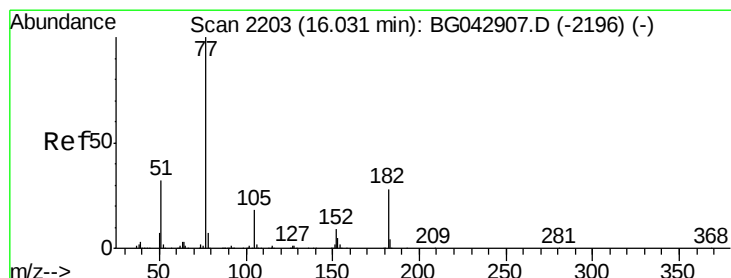
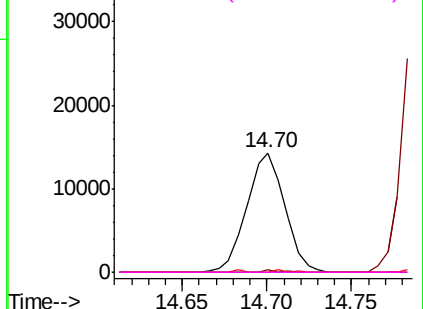
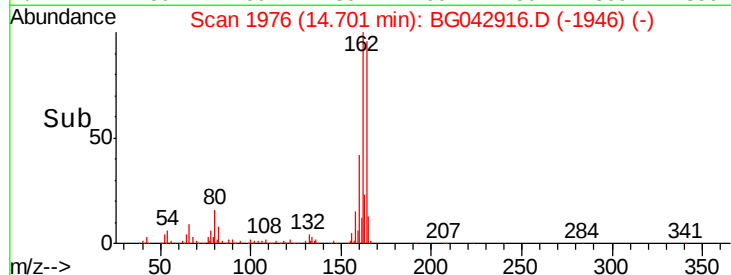


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#63

Azobenzene

Concen: 7.457 ng

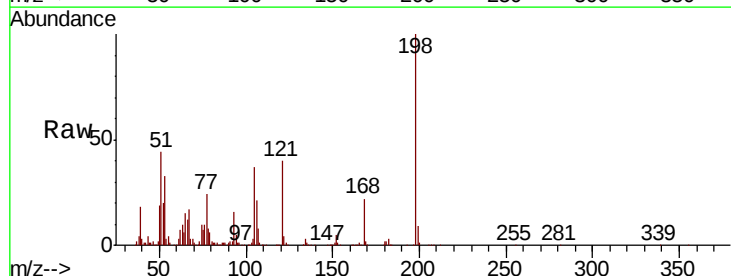
RT: 15.82 min Scan# 2166

Delta R.T. -0.21 min

Lab File: BG042916.D

Acq: 23 Sep 2019 15:59

Tgt Ion:	77	Resp:	90369
Ion	Ratio	Lower	Upper
77	100		
182	14.0	7.9	47.9
105	156.9	0.0	38.2#
51	182.6	12.5	52.5#

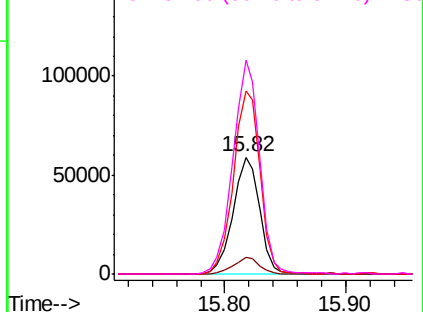
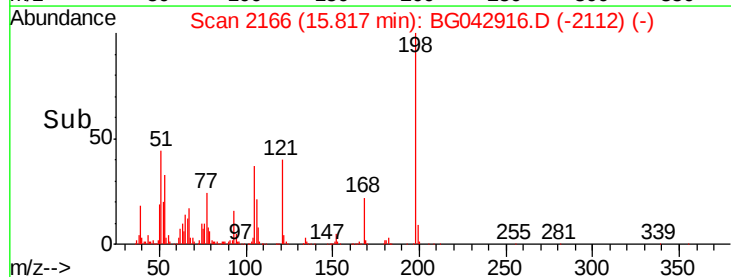


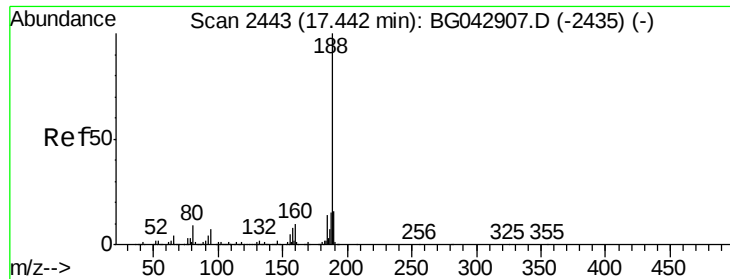
Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BGC





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.44 min Scan# 2443

Delta R.T. 0.00 min

Lab File: BG042916.D

Acq: 23 Sep 2019 15:59

Instrument :

BNA_G

ClientSampleId :

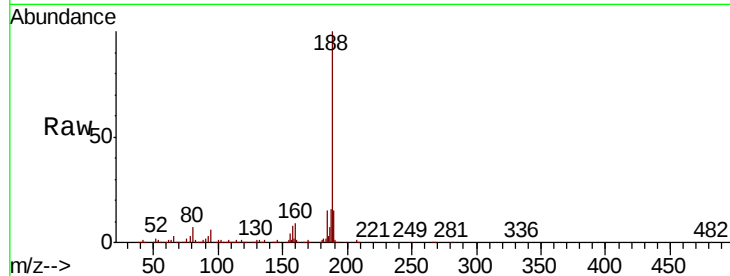
Tot Ion:188 Resp: 400352

Ion Ratio Lower Upper

188 100

94 6.0 5.7 8.5

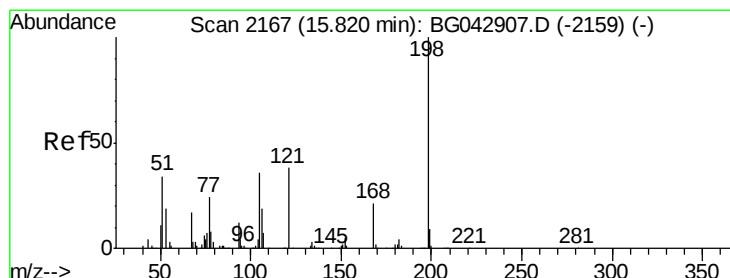
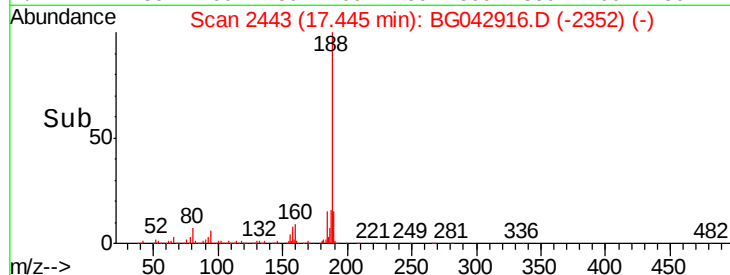
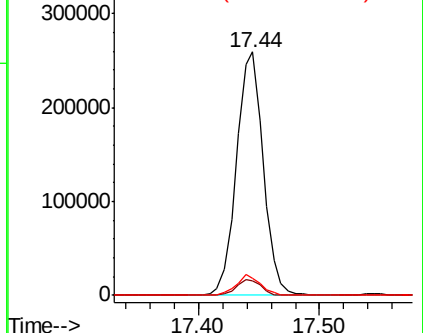
80 7.1 6.9 10.3



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



#65

4,6-Dinitro-2-methylphenol

Concen: 178.708 ng

RT: 15.82 min Scan# 2166

Delta R.T. -0.00 min

Lab File: BG042916.D

Acq: 23 Sep 2019 15:59

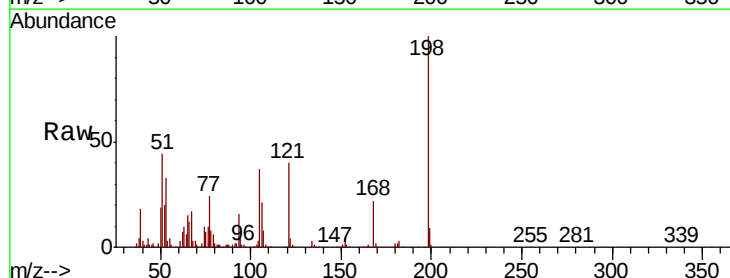
Tgt Ion:198 Resp: 378913

Ion Ratio Lower Upper

198 100

51 43.5 21.9 61.9

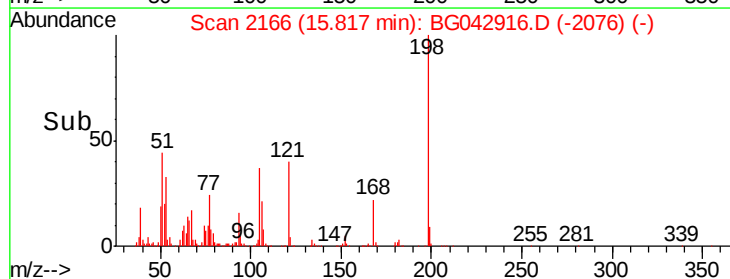
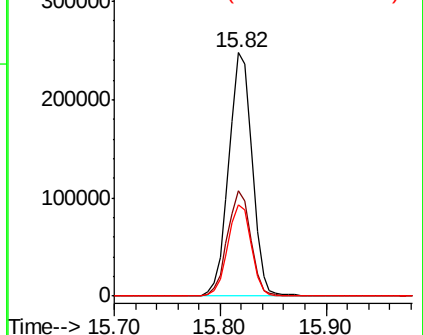
105 37.4 17.7 57.7

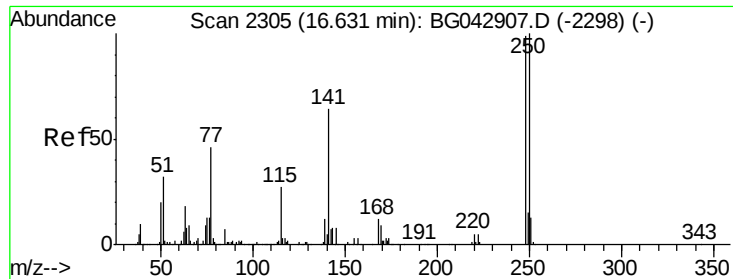


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

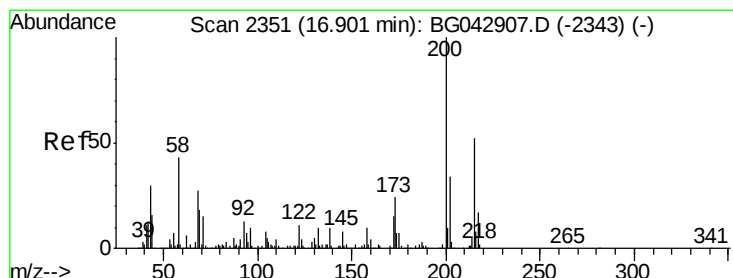
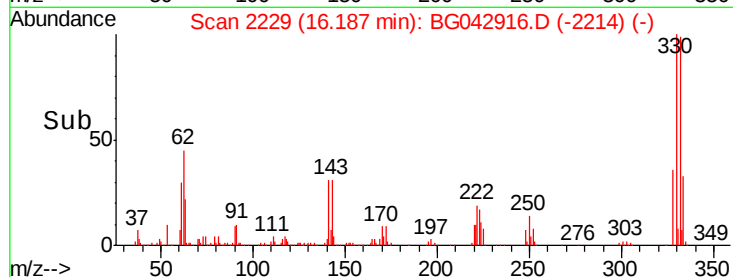
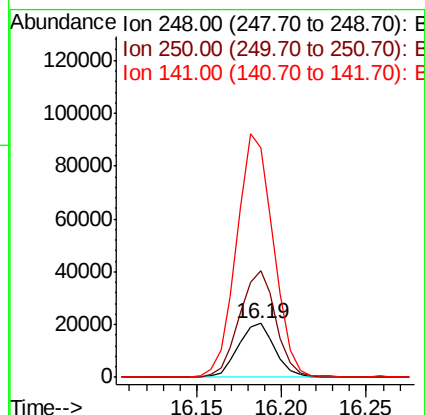
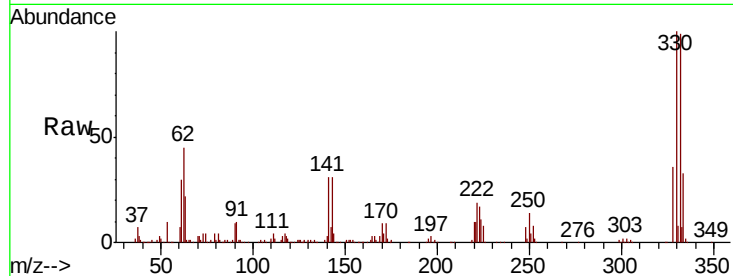




#67
4-Bromophenyl-phenylether
Concen: 6.250 ng
RT: 16.19 min Scan# 2229
Delta R.T. -0.44 min
Lab File: BG042916.D
Acq: 23 Sep 2019 15:59

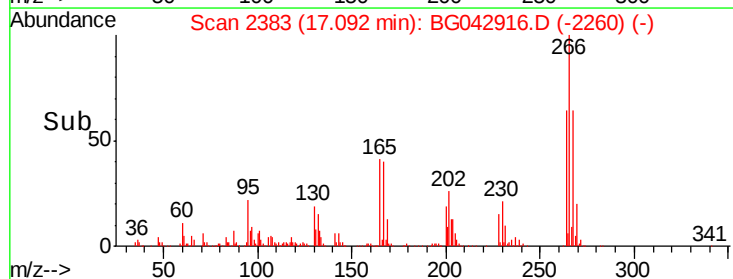
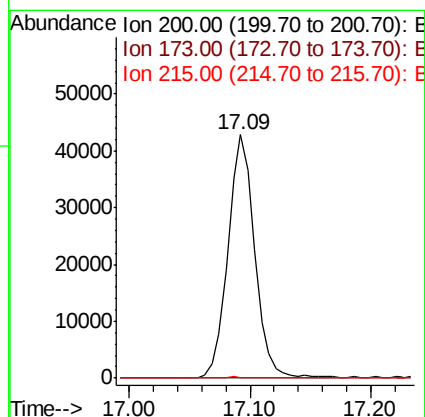
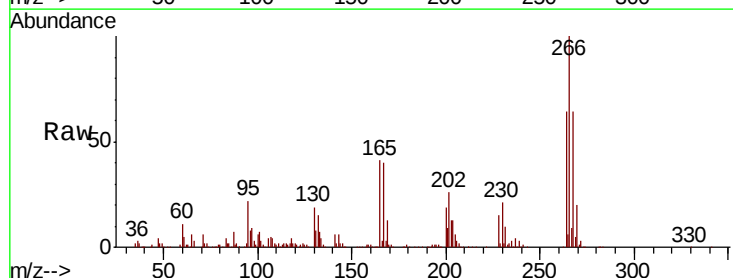
Instrument :
BNA_G
ClientSampleId :

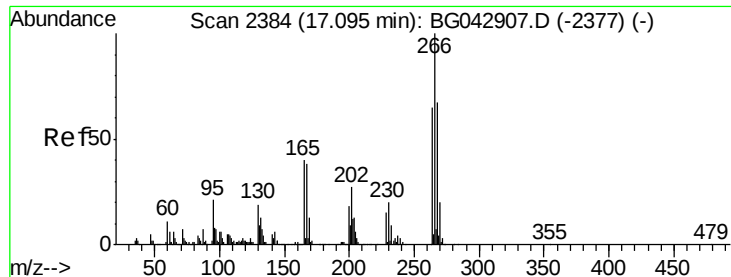
Tot Ion:248 Resp: 30783
Ion Ratio Lower Upper
248 100
250 197.2 80.8 121.2#
141 425.6 51.8 77.6#



#69
Atrazine
Concen: 14.802 ng
RT: 17.09 min Scan# 2383
Delta R.T. 0.19 min
Lab File: BG042916.D
Acq: 23 Sep 2019 15:59

Tgt Ion:200 Resp: 65728
Ion Ratio Lower Upper
200 100
173 0.0 4.2 44.2#
215 0.0 32.5 72.5#

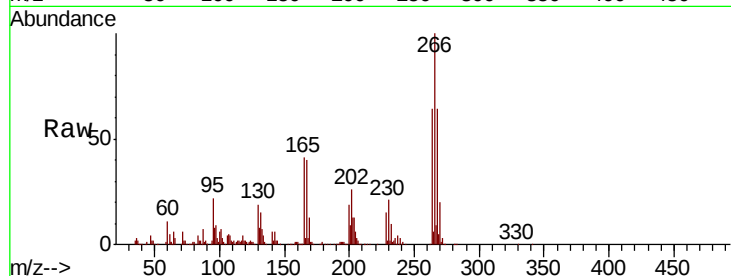




#70
 Pentachlorophenol
 Concen: 113.276 ng
 RT: 17.09 min Scan# 2383
 Delta R.T. -0.00 min
 Lab File: BG042916.D
 Acq: 23 Sep 2019 15:59

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
266	100		
268	63.7	53.6	80.4
264	64.4	51.7	77.5

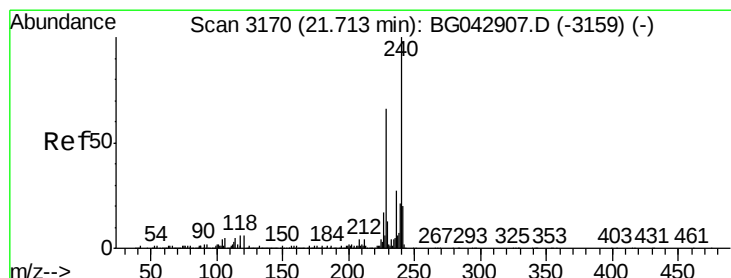
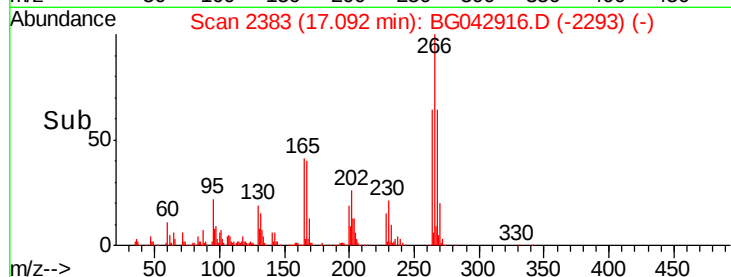
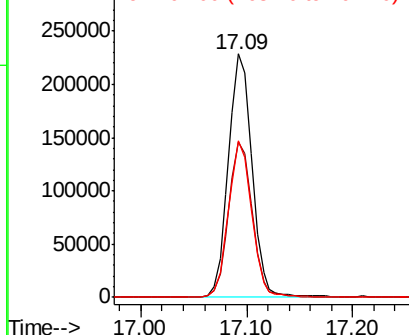


Abundance

Ion 265.70 (265.40 to 266.40): E

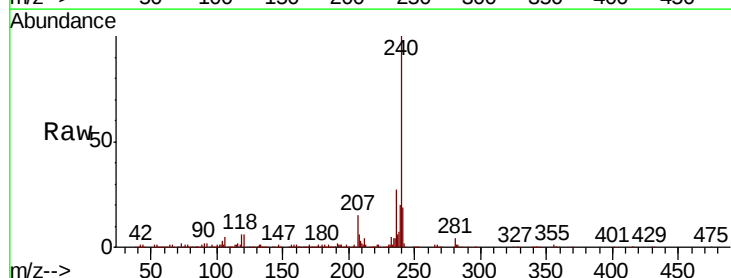
Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.71 min Scan# 3169
 Delta R.T. -0.00 min
 Lab File: BG042916.D
 Acq: 23 Sep 2019 15:59

Tgt Ion	Ratio	Lower	Upper
240	100		
120	6.1	5.2	7.8
236	26.6	21.7	32.5

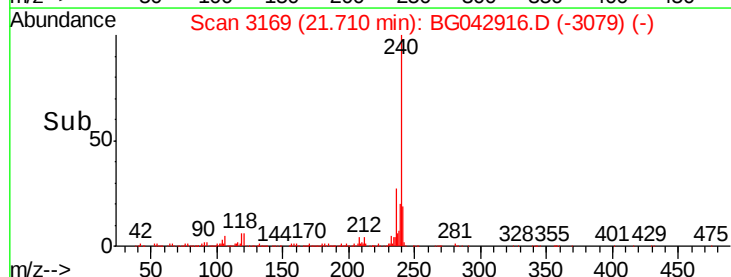
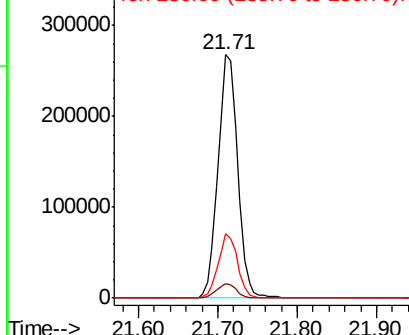


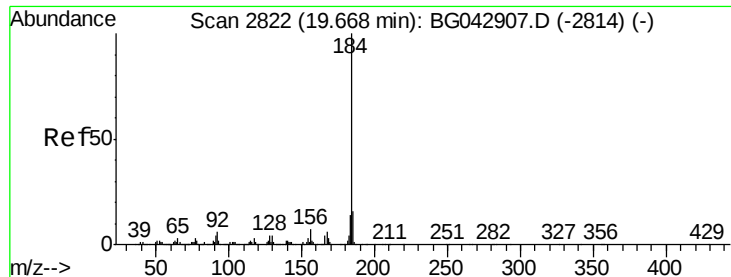
Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 3.243 ng

RT: 20.05 min Scan# 2887

Delta R.T. 0.39 min

Lab File: BG042916.D

Acq: 23 Sep 2019 15:59

Instrument :

BNA_G

ClientSampleId :

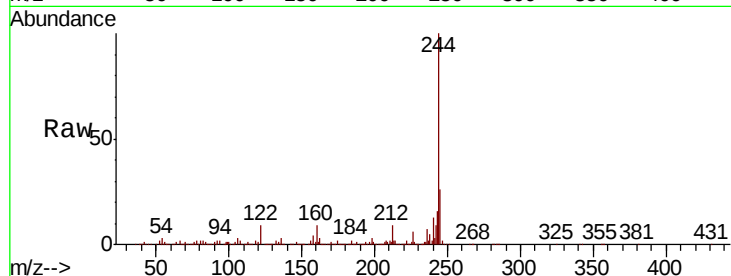
Tot Ion:184 Resp: 41574

Ion Ratio Lower Upper

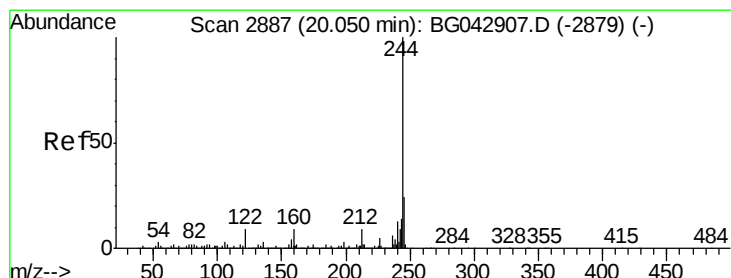
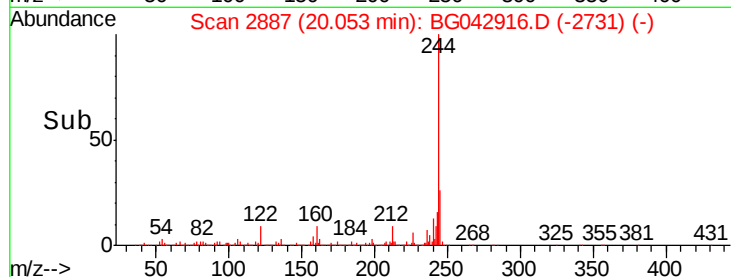
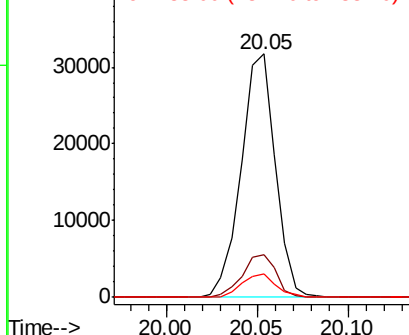
184 100

185 17.5 12.6 19.0

183 9.6 10.9 16.3#



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: 102.248 ng

RT: 20.05 min Scan# 2887

Delta R.T. 0.00 min

Lab File: BG042916.D

Acq: 23 Sep 2019 15:59

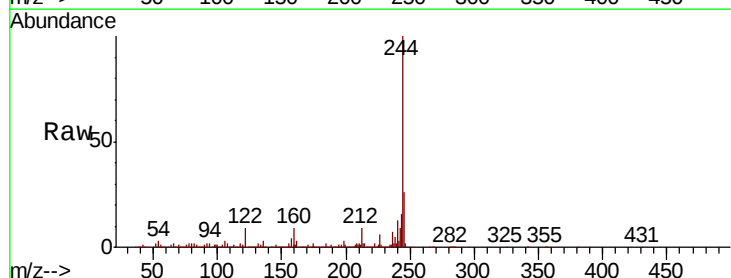
Tgt Ion:244 Resp: 2320385

Ion Ratio Lower Upper

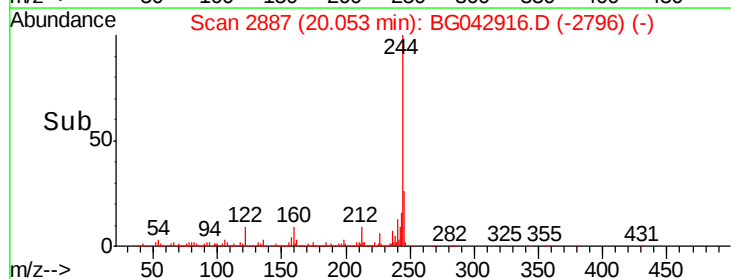
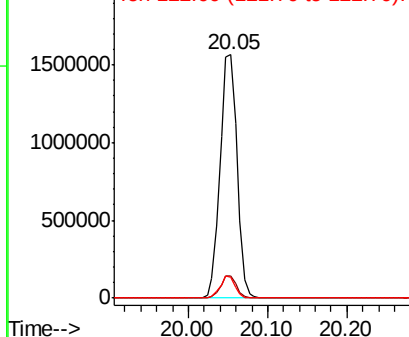
244 100

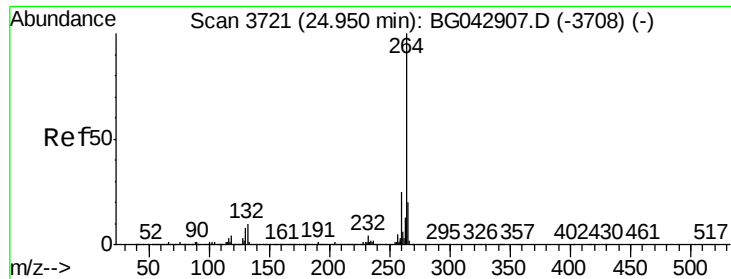
212 9.1 7.1 10.7

122 8.7 6.9 10.3



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

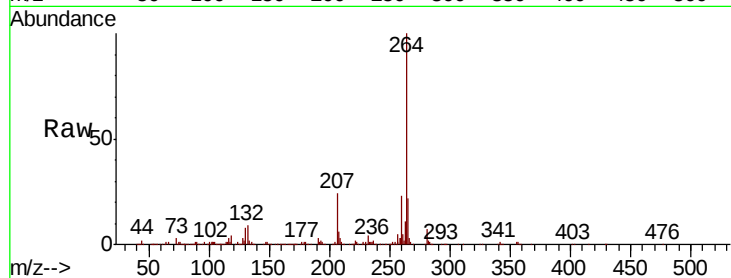




#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.95 min Scan# 3720
Delta R.T. -0.00 min
Lab File: BG042916.D
Acq: 23 Sep 2019 15:59

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	264	Resp:	507027
Ion	Ratio	Lower	Upper
264	100		
260	23.1	20.4	30.6
265	22.3	17.0	25.4



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

