

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061919\
 Data File : BG041351.D
 Acq On : 20 Jun 2019 7:31
 Operator : HP/JU
 Sample : K3368-01MSD
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jun 20 08:20:13 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG061719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 17 14:58:02 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.08	152	42305	20.00	ng	0.00
21) Naphthalene-d8	10.90	136	164666	20.00	ng	0.00
39) Acenaphthene-d10	14.72	164	111695	20.00	ng	0.00
64) Phenanthrene-d10	17.47	188	269941	20.00	ng	0.00
76) Chrysene-d12	21.75	240	260612	20.00	ng	0.00
87) Perylene-d12	25.06	264	251491	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	240451	104.43	ng	0.00
7) Phenol-d6	7.24	99	310145	92.93	ng	0.00
23) Nitrobenzene-d5	9.26	82	327239	83.58	ng	0.00
42) 2,4,6-Tribromophenol	16.21	330	177943	103.77	ng	0.00
45) 2-Fluorobiphenyl	13.34	172	710440	86.45	ng	0.00
79) Terphenyl-d14	20.06	244	1158521	88.10	ng	0.00

Target Compounds				Qvalue		
2) 1,4-Dioxane	3.47	88	31582	27.355	ng	# 12
3) Pyridine	3.89	79	92326	30.144	ng	98
4) n-Nitrosodimethylamine	3.80	42	55091	33.729	ng	97
6) Aniline	7.41	93	59091	12.738	ng	97
8) 2-Chlorophenol	7.64	128	94947	35.096	ng	97
9) Benzaldehyde	7.22	77	26667	12.493	ng	93
10) Phenol	7.27	94	108033	30.102	ng	92
11) bis(2-Chloroethyl)ether	7.50	93	107948	39.642	ng	96
12) 1,3-Dichlorobenzene	7.96	146	124901	36.872	ng	93
13) 1,4-Dichlorobenzene	8.12	146	129495	37.425	ng	97
14) 1,2-Dichlorobenzene	8.43	146	123128	37.256	ng	93
15) Benzyl Alcohol	8.33	79	112182	35.083	ng	96
16) 2,2'-oxybis(1-Chloropropan	8.60	45	165071	37.031	ng	96
17) 2-Methylphenol	8.52	107	88029	34.309	ng	95
18) Hexachloroethane	9.16	117	46806	34.136	ng	96
19) n-Nitroso-di-n-propylamine	8.89	70	102185	37.857	ng	98
20) 3+4-Methylphenols	8.86	107	116443	34.091	ng	94
22) Acetophenone	8.92	105	194022	40.490	ng	# 96
24) Nitrobenzene	9.30	77	163873	41.615	ng	96
25) Isophorone	9.82	82	280585	39.061	ng	97
26) 2-Nitrophenol	10.01	139	56614	35.462	ng	96
27) 2,4-Dimethylphenol	10.06	122	93562	39.098	ng	94
28) bis(2-Chloroethoxy)methane	10.30	93	149459	39.932	ng	99
29) 2,4-Dichlorophenol	10.55	162	111903	37.714	ng	94
30) 1,2,4-Trichlorobenzene	10.76	180	154229	40.585	ng	96
31) Naphthalene	10.96	128	376666	42.089	ng	100
32) Benzoic acid	10.06	122	93562	60.061	ng	# 13
33) 4-Chloroaniline	11.07	127	33548	8.827	ng	97
34) Hexachlorobutadiene	11.21	225	112332	37.240	ng	97
35) Caprolactam	11.86	113	22190	21.723	ng	95
36) 4-Chloro-3-methylphenol	12.18	107	118950	34.707	ng	97
37) 2-Methylnaphthalene	12.55	142	277130	42.044	ng	98
38) 1-Methylnaphthalene	12.77	142	258259	40.952	ng	93
40) 1,2,4,5-Tetrachlorobenzene	12.91	216	204223	44.279	ng	98

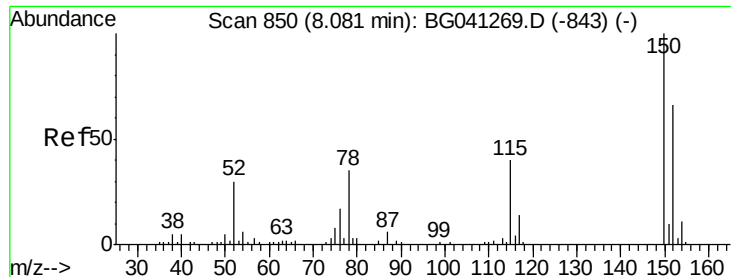
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061919\
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 QLast Update : Mon Jun 17 14:58:02 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.88	237	57308	18.446	ng	97
43) 2,4,6-Trichlorophenol	13.16	196	104217	36.527	ng	97
44) 2,4,5-Trichlorophenol	13.23	196	106277	36.201	ng	99
46) 1,1'-Biphenyl	13.55	154	368958	43.694	ng	99
47) 2-Chloronaphthalene	13.60	162	306534	42.165	ng	99
48) 2-Nitroaniline	13.82	65	109691	41.198	ng	92
49) Acenaphthylene	14.45	152	459880	41.687	ng	99
50) Dimethylphthalate	14.17	163	392240	39.468	ng	99
51) 2,6-Dinitrotoluene	14.30	165	85197	40.657	ng	95
52) Acenaphthene	14.79	154	271011	41.836	ng	96
53) 3-Nitroaniline	14.64	138	46254	22.404	ng	100
54) 2,4-Dinitrophenol	14.85	184	6463	8.876	ng	94
55) Dibenzofuran	15.11	168	468507	41.597	ng	98
56) 4-Nitrophenol	14.94	139	83800	54.497	ng	98
57) 2,4-Dinitrotoluene	15.09	165	120547	39.353	ng	98
58) Fluorene	15.77	166	365859	41.293	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.34	232	100327	33.047	ng	99
60) Diethylphthalate	15.52	149	394619	39.066	ng	98
61) 4-Chlorophenyl-phenylether	15.75	204	230811	40.039	ng	98
62) 4-Nitroaniline	15.80	138	79459	35.985	ng	94
63) Azobenzene	16.04	77	365368	40.544	ng	98
65) 4,6-Dinitro-2-methylphenol	15.85	198	9717	5.546	ng	84
66) n-Nitrosodiphenylamine	15.97	169	328732	45.864	ng	99
67) 4-Bromophenyl-phenylether	16.65	248	148311	42.491	ng	95
68) Hexachlorobenzene	16.76	284	158083	42.295	ng	99
69) Atrazine	16.91	200	139459	Below Cal		99
70) Pentachlorophenol	17.11	266	64665	33.787	ng	93
71) Phenanthrene	17.51	178	616070	42.792	ng	100
72) Anthracene	17.60	178	624541	44.002	ng	100
73) Carbazole	17.88	167	540302	43.516	ng	100
74) Di-n-butylphthalate	18.40	149	647977	41.826	ng	99
75) Fluoranthene	19.51	202	785078	41.047	ng	99
77) Benzidine	19.70	184	117544	18.647	ng	98
78) Pyrene	19.87	202	782041	44.495	ng	99
80) Butylbenzylphthalate	20.74	149	292606	44.014	ng	95
81) Benzo(a)anthracene	21.72	228	756069	42.847	ng	100
82) 3,3'-Dichlorobenzidine	21.64	252	134106	21.650	ng	98
83) Chrysene	21.80	228	735840	43.362	ng	99
84) Bis(2-ethylhexyl)phthalate	21.59	149	398920	44.032	ng	# 99
85) Di-n-octyl phthalate	22.82	149	683743	44.608	ng	100
86) Indeno(1,2,3-cd)pyrene	28.87	276	545133	27.076	ng	# 84
88) Benzo(b)fluoranthene	24.00	252	700718	44.959	ng	98
89) Benzo(k)fluoranthene	24.07	252	733090	47.480	ng	99
90) Benzo(a)pyrene	24.91	252	695975	47.283	ng	99
91) Dibenzo(a,h)anthracene	28.93	278	458200	30.920	ng	98
92) Benzo(g,h,i)perylene	30.07	276	371876	25.393	ng	98

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

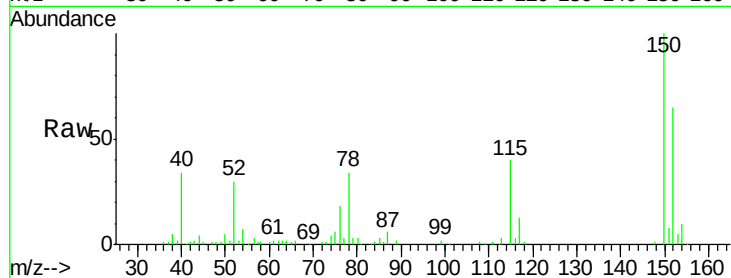


#1

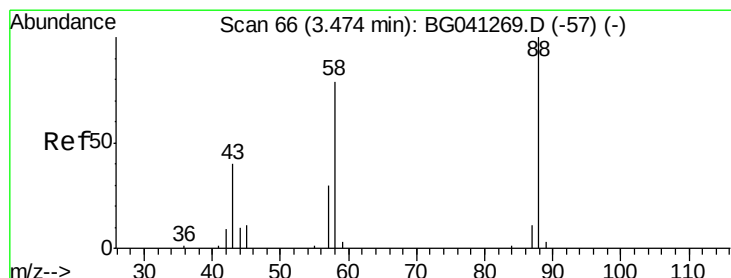
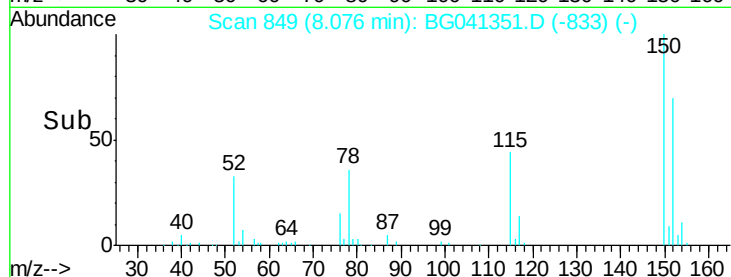
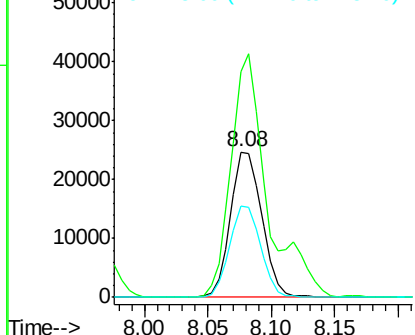
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.08 min Scan# 849
Delta R.T. -0.00 min
Lab File: BG041351.D
Acq: 20 Jun 2019 7:31

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 42305
Ion Ratio Lower Upper
152 100
150 154.7 120.6 181.0
115 62.6 47.9 71.9



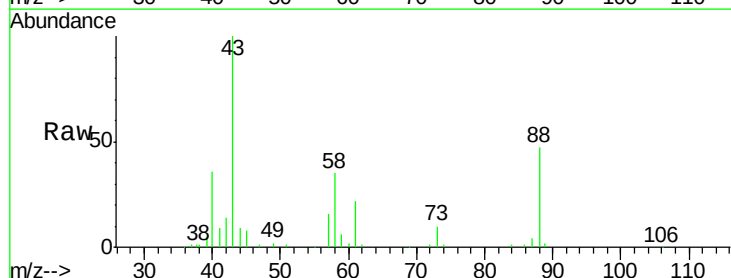
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



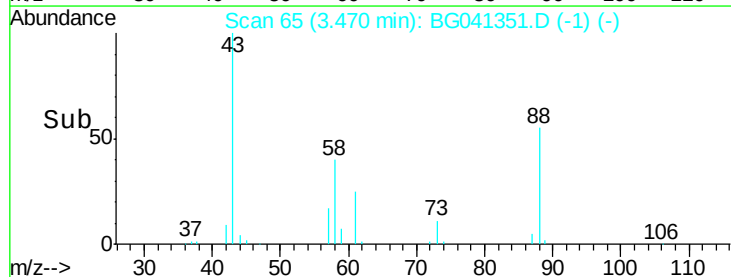
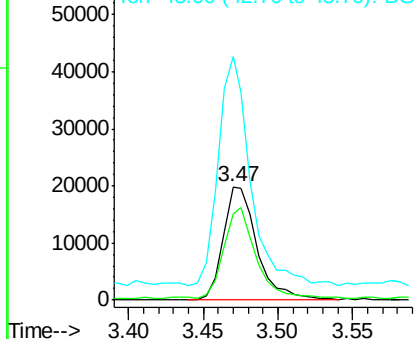
#2

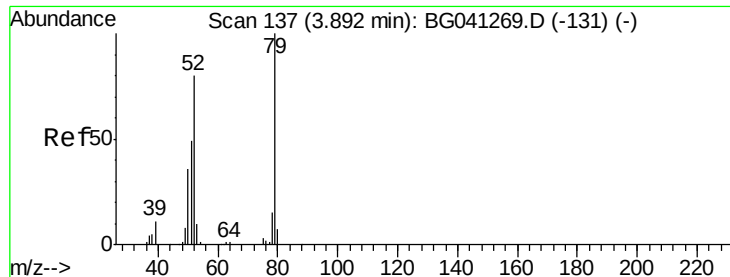
1,4-Dioxane
Concen: 27.355 ng
RT: 3.47 min Scan# 65
Delta R.T. -0.00 min
Lab File: BG041351.D
Acq: 20 Jun 2019 7:31

Tgt Ion: 88 Resp: 31582
Ion Ratio Lower Upper
88 100
58 76.2 59.7 89.5
43 193.6 31.9 47.9#



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: 30.144 ng

RT: 3.89 min Scan# 137

Delta R.T. 0.00 min

Lab File: BG041351.D

Acq: 20 Jun 2019 7:31

Instrument :

BNA_G

ClientSampleId :

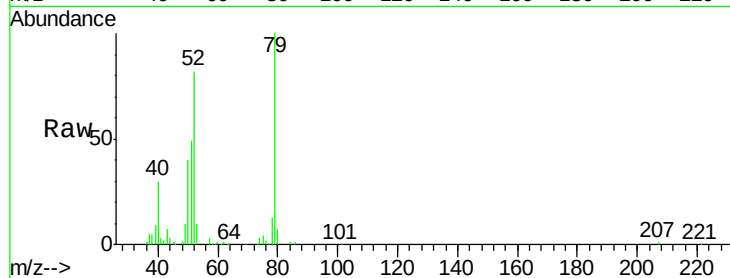
Tot Ion: 79 Resp: 92326

Ion Ratio Lower Upper

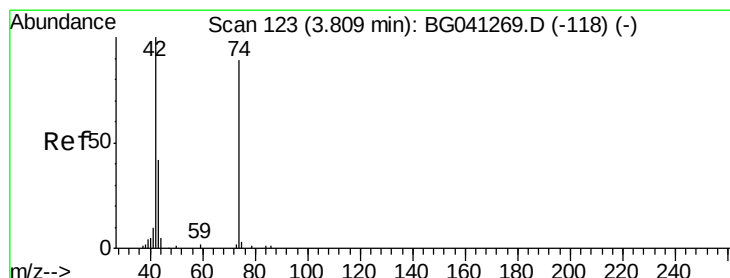
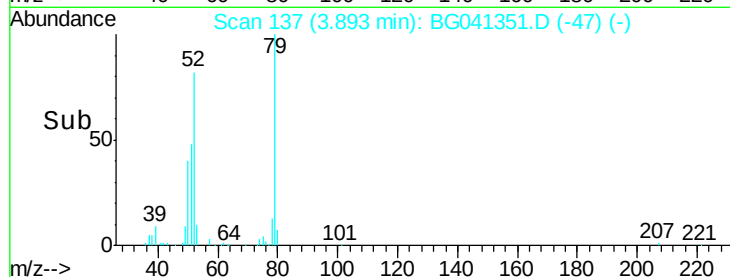
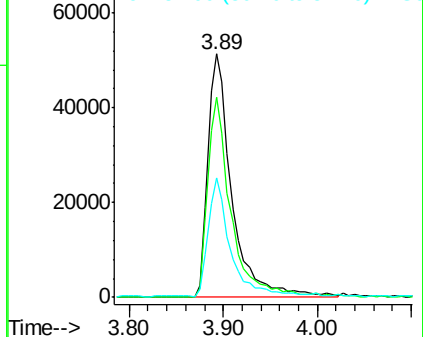
79 100

52 82.3 63.6 95.4

51 48.9 39.8 59.6



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 52.00 (51.70 to 52.70): BGC
Ion 51.00 (50.70 to 51.70): BGC



#4

n-Nitrosodimethylamine

Concen: 33.729 ng

RT: 3.80 min Scan# 122

Delta R.T. -0.00 min

Lab File: BG041351.D

Acq: 20 Jun 2019 7:31

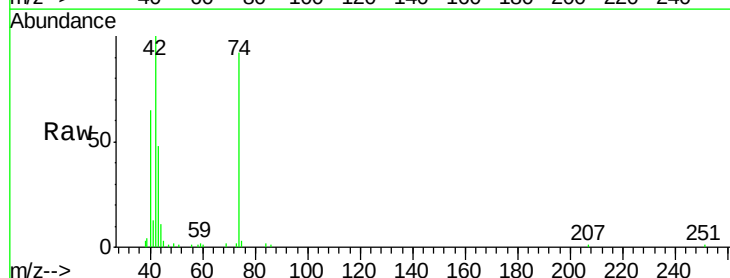
Tgt Ion: 42 Resp: 55091

Ion Ratio Lower Upper

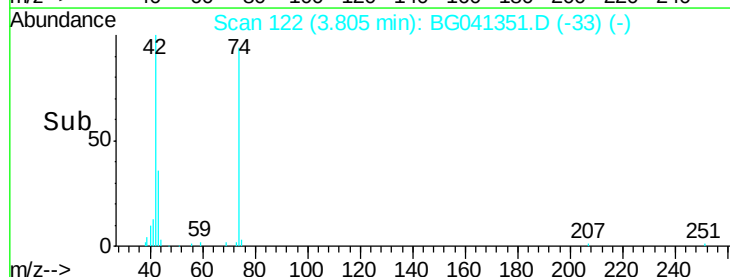
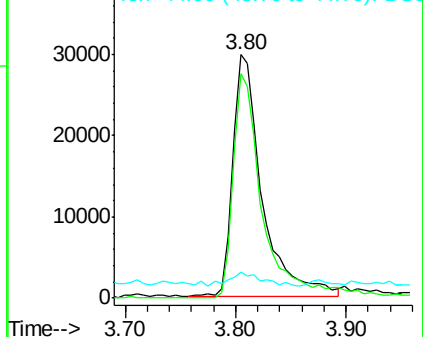
42 100

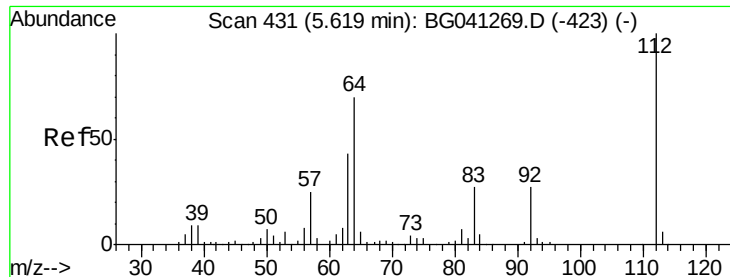
74 92.0 71.6 107.4

44 10.6 9.0 13.4



Abundance Ion 42.00 (41.70 to 42.70): BGC
Ion 74.00 (73.70 to 74.70): BGC
Ion 44.00 (43.70 to 44.70): BGC





#5

2-Fluorophenol

Concen: 104.434 ng

RT: 5.62 min Scan# 431

Delta R.T. 0.00 min

Lab File: BG041351.D

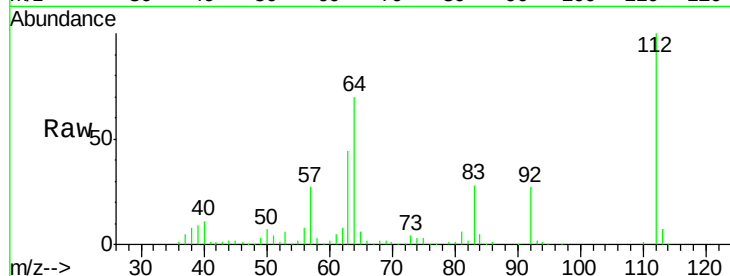
Acq: 20 Jun 2019 7:31

Instrument :

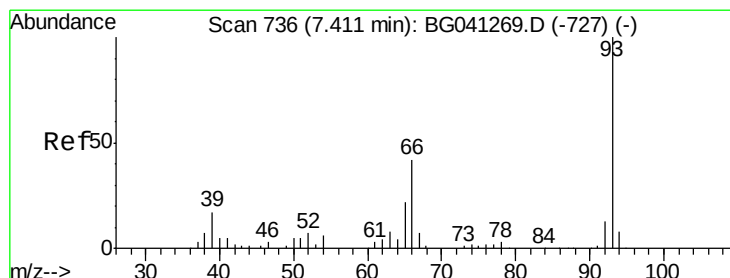
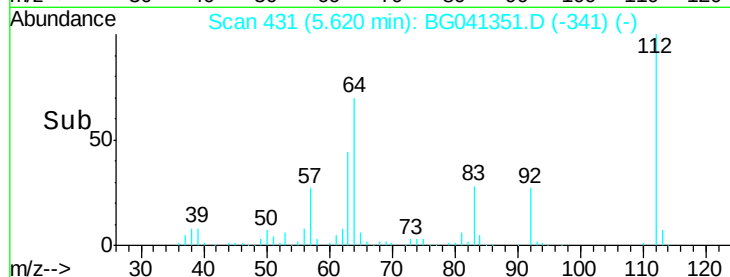
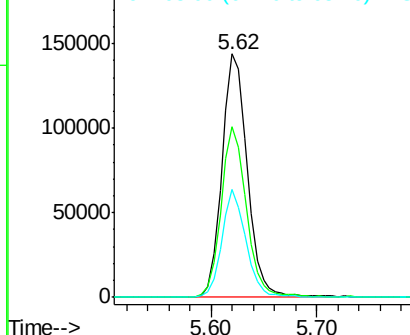
BNA_G

ClientSampleId :

Tot Ion:	112	Resp:	240451
Ion	Ratio	Lower	Upper
112	100		
64	70.3	55.9	83.9
63	44.2	34.6	51.8



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



#6

Aniline

Concen: 12.738 ng

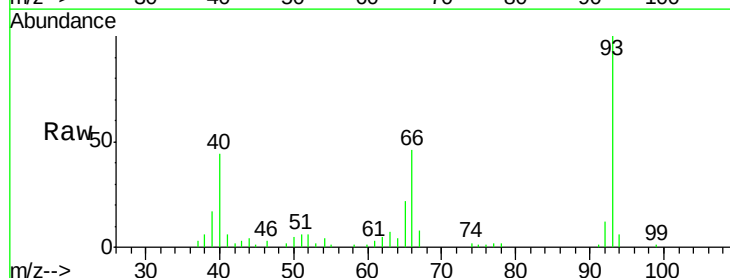
RT: 7.41 min Scan# 735

Delta R.T. -0.00 min

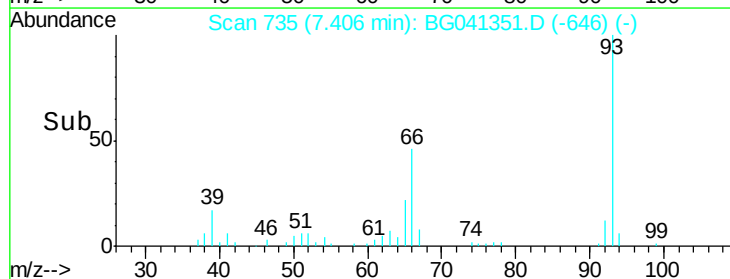
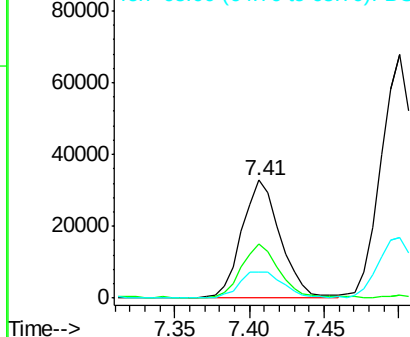
Lab File: BG041351.D

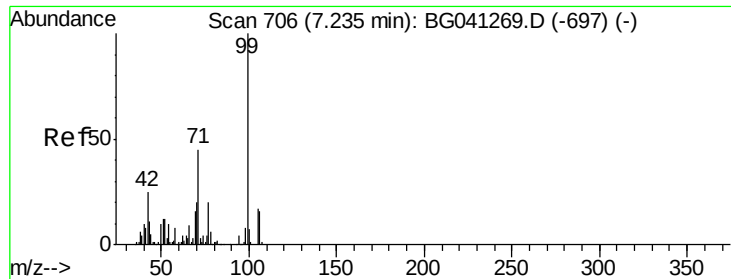
Acq: 20 Jun 2019 7:31

Tgt Ion:	93	Resp:	59091
Ion	Ratio	Lower	Upper
93	100		
66	45.6	34.2	51.2
65	21.8	17.7	26.5



Abundance Ion 93.00 (92.70 to 93.70): BGC
Ion 66.00 (65.70 to 66.70): BGC
Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 92.931 ng

RT: 7.24 min Scan# 706

Delta R.T. 0.00 min

Lab File: BG041351.D

Acq: 20 Jun 2019 7:31

Instrument :

BNA_G

ClientSampled :

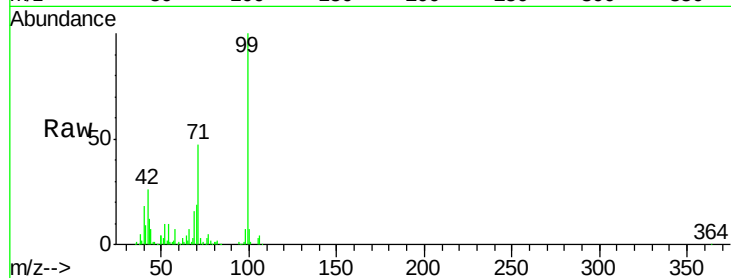
Tot Ion: 99 Resp: 310145

Ion Ratio Lower Upper

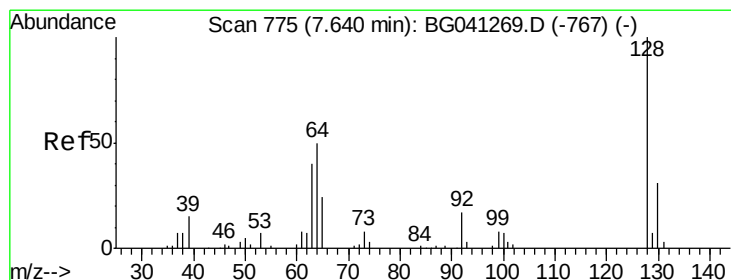
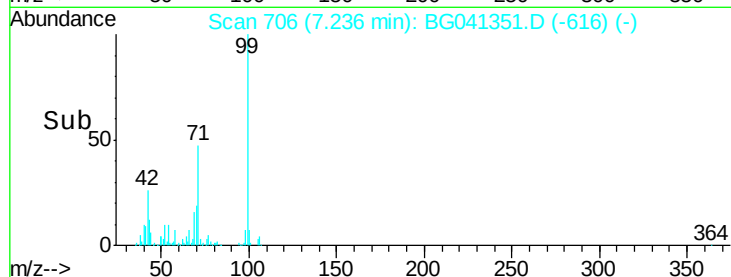
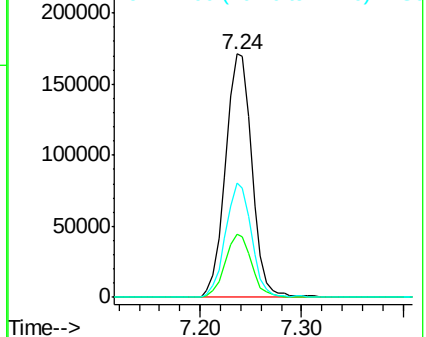
99 100

42 26.1 19.9 29.9

71 46.9 36.4 54.6



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: 35.096 ng

RT: 7.64 min Scan# 775

Delta R.T. 0.00 min

Lab File: BG041351.D

Acq: 20 Jun 2019 7:31

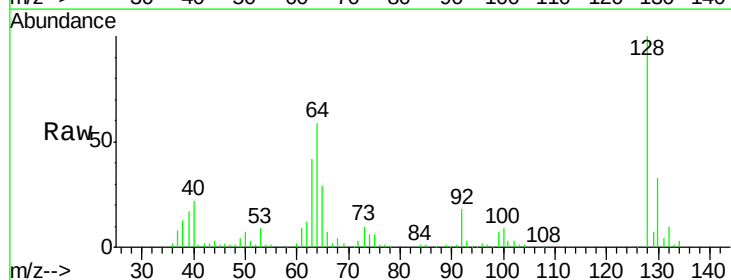
Tgt Ion: 128 Resp: 94947

Ion Ratio Lower Upper

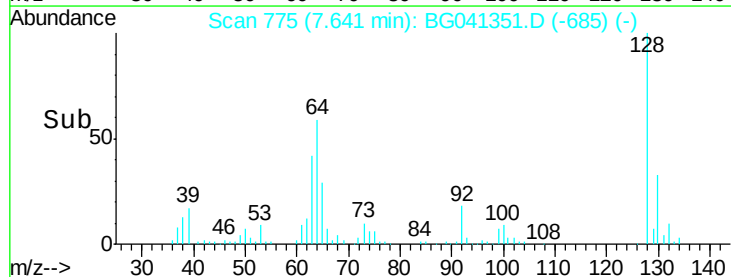
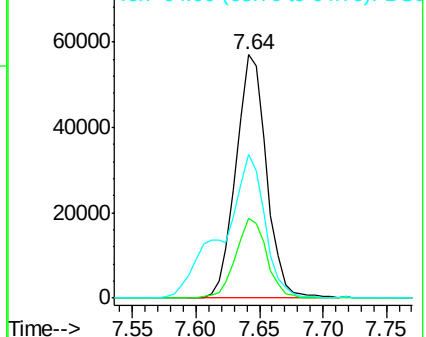
128 100

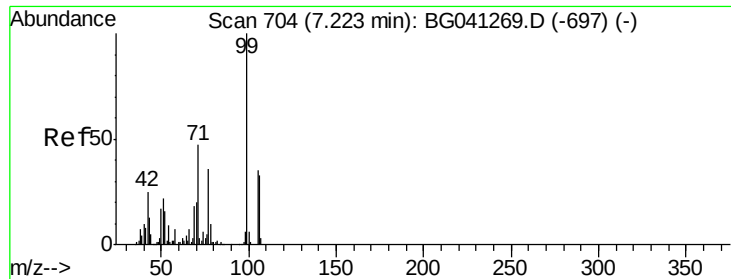
130 32.6 11.1 51.1

64 59.2 36.6 76.6



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: 12.493 ng

RT: 7.22 min Scan# 703

Delta R.T. -0.00 min

Lab File: BG041351.D

Acq: 20 Jun 2019 7:31

Instrument :

BNA_G

ClientSampleId :

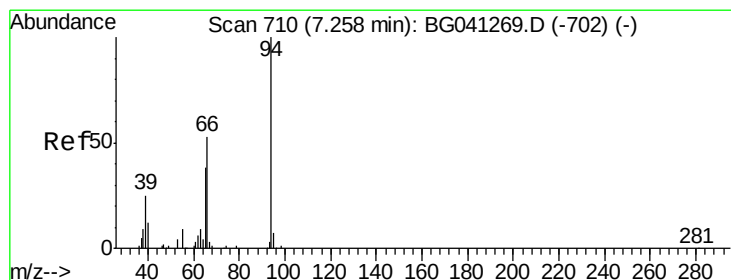
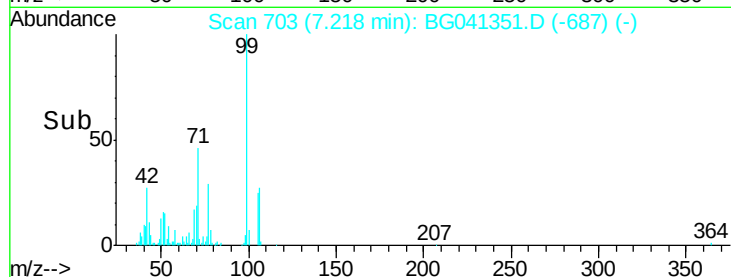
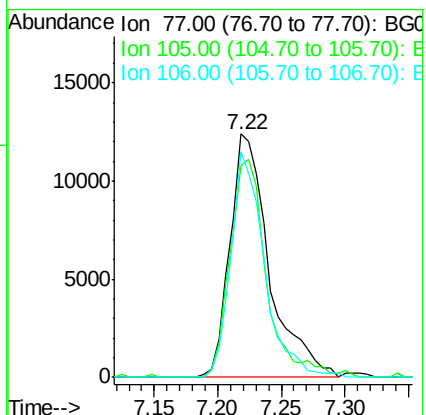
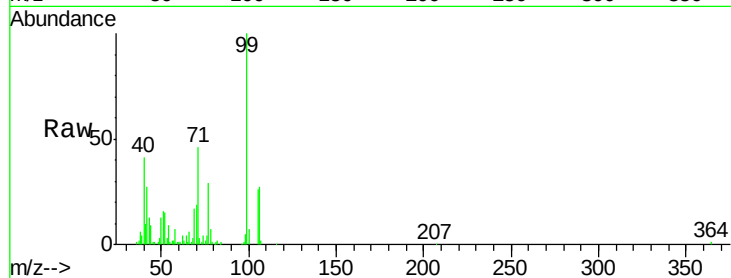
Tot Ion: 77 Resp: 26667

Ion Ratio Lower Upper

77 100

105 86.9 78.7 118.7

106 92.9 71.1 111.1



#10

Phenol

Concen: 30.102 ng

RT: 7.27 min Scan# 711

Delta R.T. 0.01 min

Lab File: BG041351.D

Acq: 20 Jun 2019 7:31

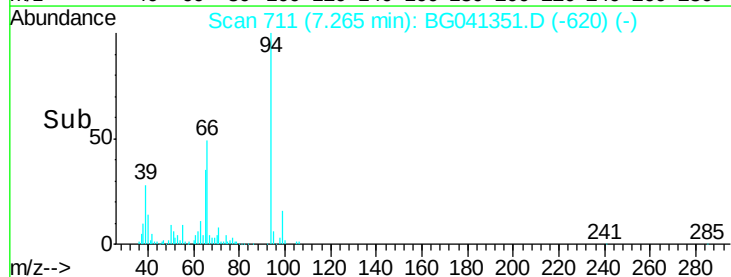
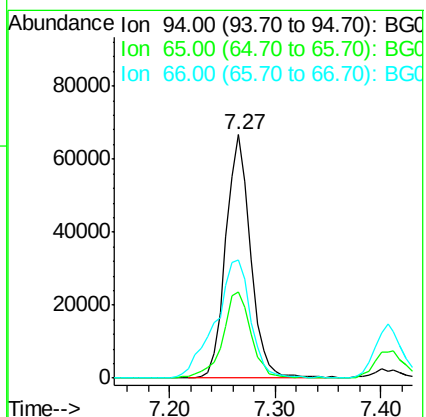
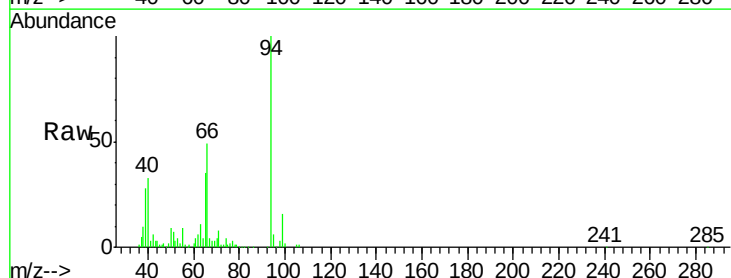
Tgt Ion: 94 Resp: 108033

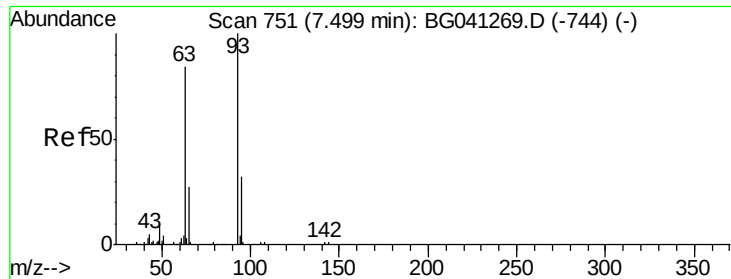
Ion Ratio Lower Upper

94 100

65 35.4 18.7 58.7

66 48.7 35.5 75.5





#11

bis(2-Chloroethyl)ether

Concen: 39.642 ng

RT: 7.50 min Scan# 751

Delta R.T. 0.00 min

Lab File: BG041351.D

Acq: 20 Jun 2019 7:31

Instrument :

BNA_G

ClientSampleId :

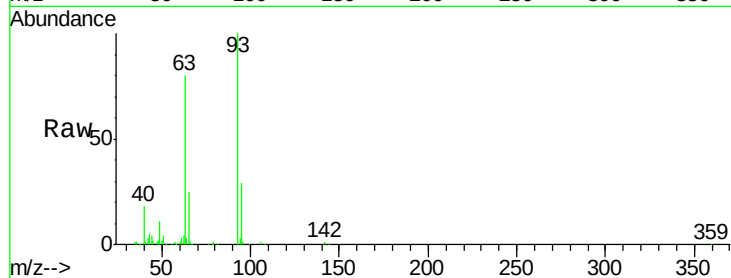
Tot Ion: 93 Resp: 107948

Ion Ratio Lower Upper

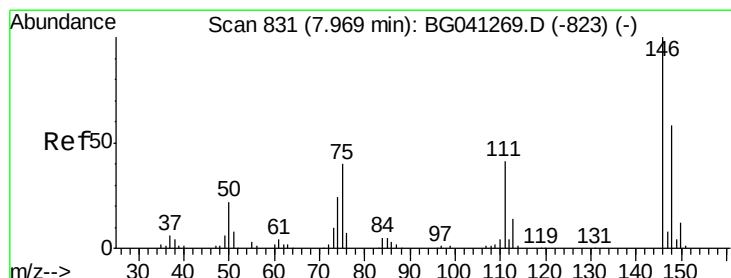
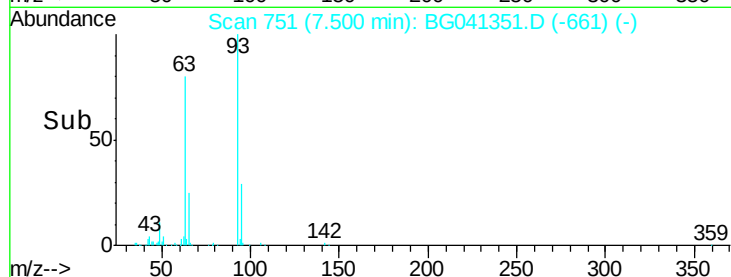
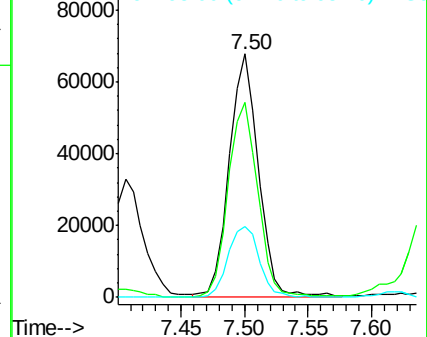
93 100

63 80.3 63.6 103.6

95 29.1 11.2 51.2



Abundance Ion 93.00 (92.70 to 93.70): BGC
Ion 63.00 (62.70 to 63.70): BGC
Ion 95.00 (94.70 to 95.70): BGC



#12

1,3-Dichlorobenzene

Concen: 36.872 ng

RT: 7.96 min Scan# 830

Delta R.T. -0.00 min

Lab File: BG041351.D

Acq: 20 Jun 2019 7:31

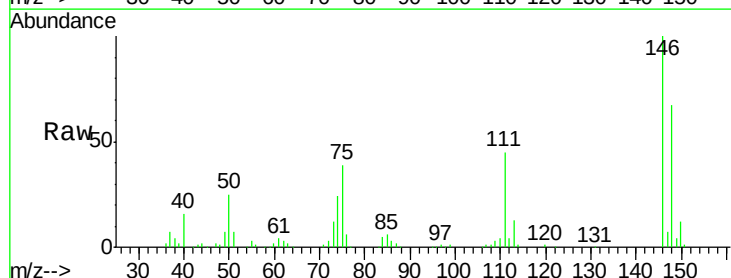
Tgt Ion: 146 Resp: 124901

Ion Ratio Lower Upper

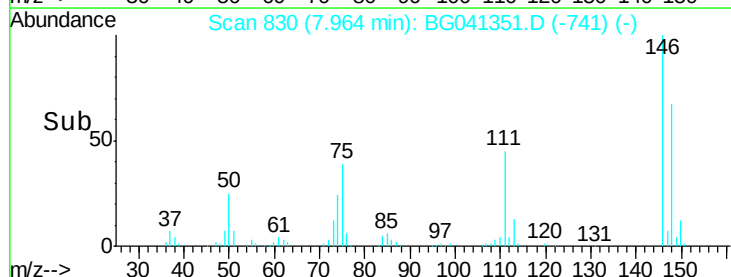
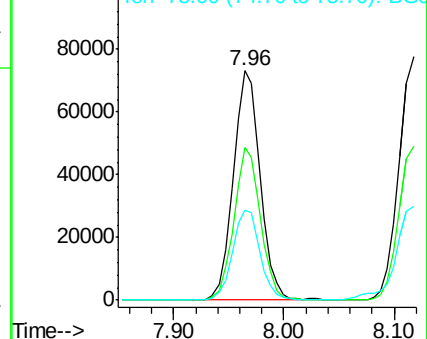
146 100

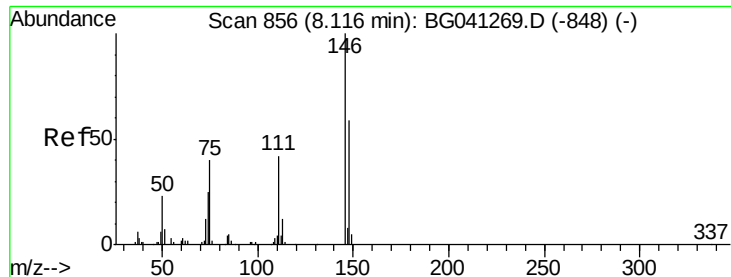
148 66.5 46.5 69.7

75 39.2 32.2 48.4



Abundance Ion 146.00 (145.70 to 146.70): BGC
Ion 148.00 (147.70 to 148.70): BGC
Ion 75.00 (74.70 to 75.70): BGC

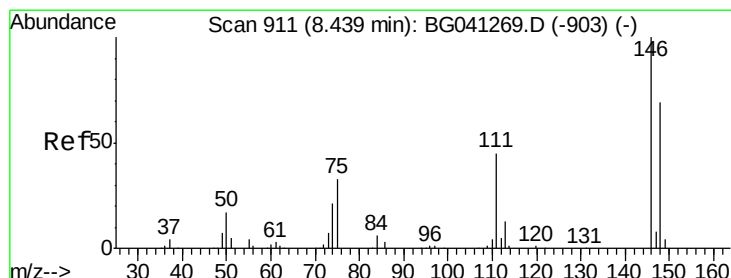
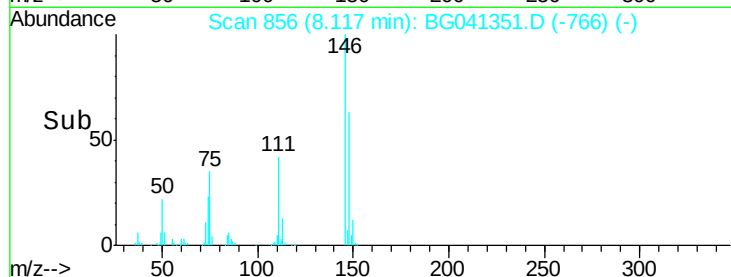
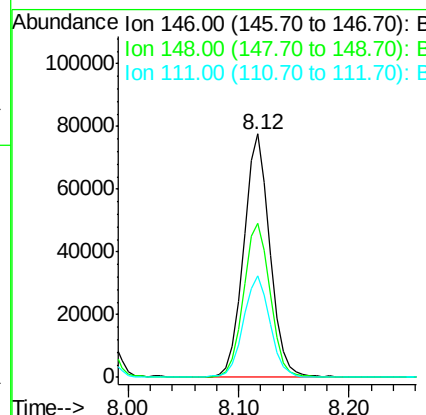
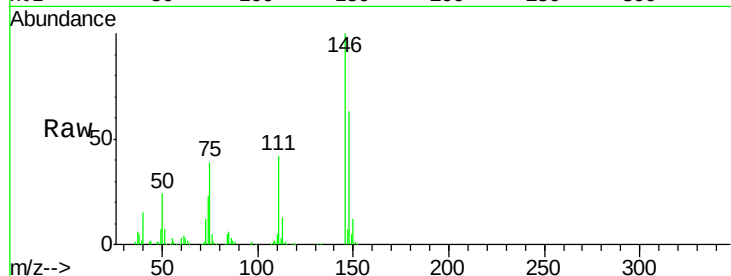




#13
 1,4-Dichlorobenzene
 Concen: 37.425 ng
 RT: 8.12 min Scan# 856
 Delta R.T. 0.00 min
 Lab File: BG041351.D
 Acq: 20 Jun 2019 7:31

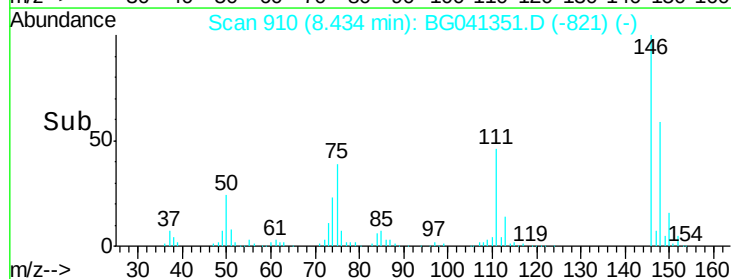
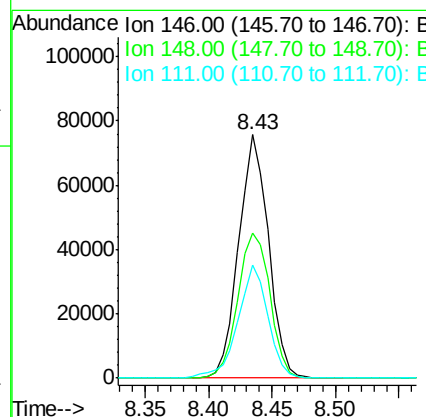
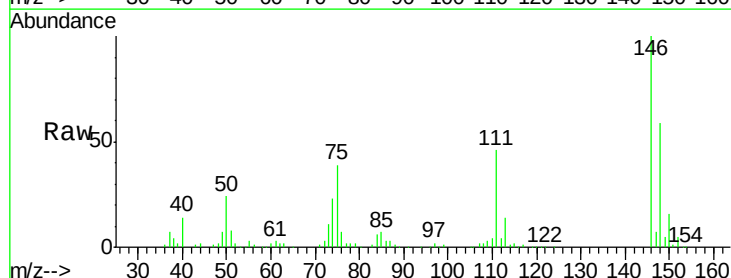
Instrument :
 BNA_G
 ClientSampleId :

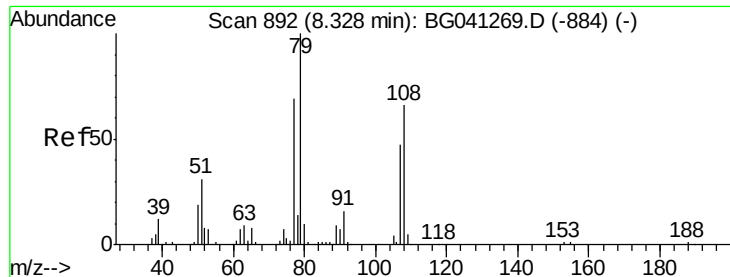
Tot Ion	Ratio	Lower	Upper
146	100		
148	63.2	47.3	70.9
111	41.8	33.4	50.0



#14
 1,2-Dichlorobenzene
 Concen: 37.256 ng
 RT: 8.43 min Scan# 910
 Delta R.T. -0.00 min
 Lab File: BG041351.D
 Acq: 20 Jun 2019 7:31

Tgt Ion	Ratio	Lower	Upper
146	100		
148	59.3	54.9	82.3
111	46.3	37.0	55.6





#15

Benzyl Alcohol

Concen: 35.083 ng

RT: 8.33 min Scan# 892

Delta R.T. 0.00 min

Lab File: BG041351.D

Acq: 20 Jun 2019 7:31

Instrument :

BNA_G

ClientSampleId :

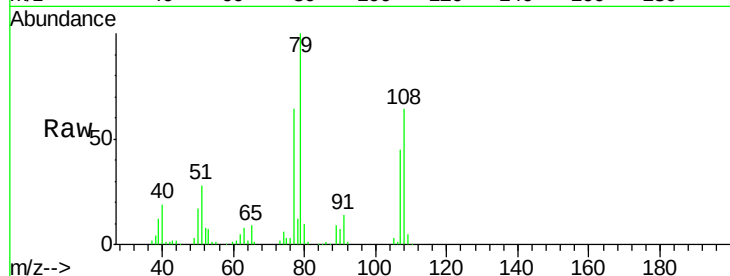
Tot Ion: 79 Resp: 112182

Ion Ratio Lower Upper

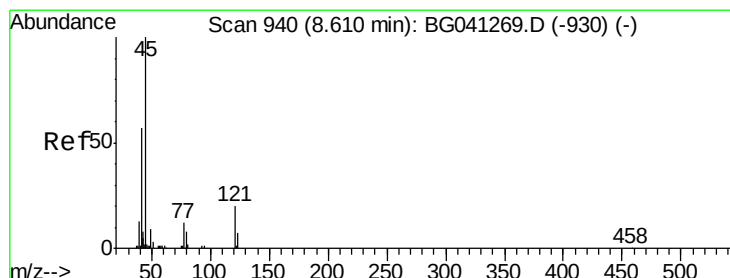
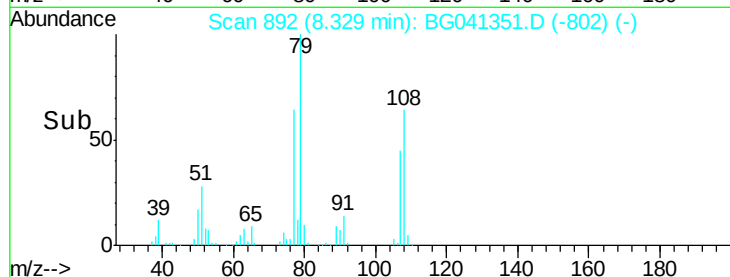
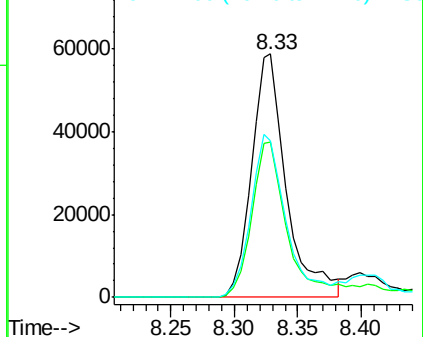
79 100

108 63.6 52.7 79.1

77 64.4 55.2 82.8



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC



#16

2,2'-oxybis(1-chloropropane)

Concen: 37.031 ng

RT: 8.60 min Scan# 939

Delta R.T. -0.00 min

Lab File: BG041351.D

Acq: 20 Jun 2019 7:31

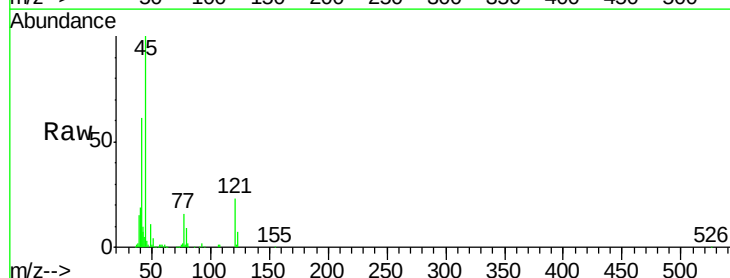
Tgt Ion: 45 Resp: 165071

Ion Ratio Lower Upper

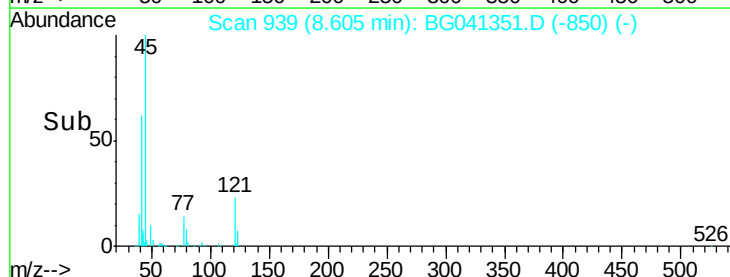
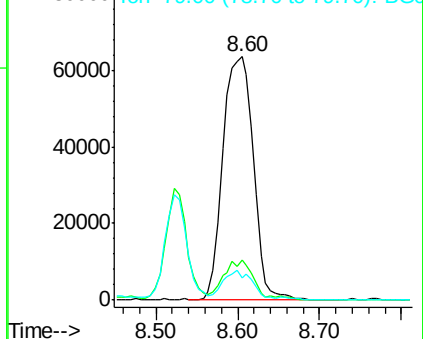
45 100

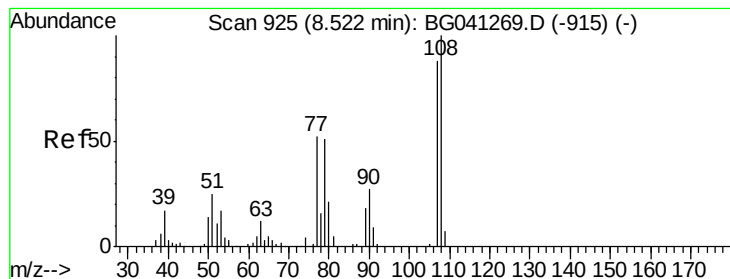
77 16.3 0.0 35.2

79 9.0 0.0 31.6



Abundance Ion 45.00 (44.70 to 45.70): BGC
Ion 77.00 (76.70 to 77.70): BGC
Ion 79.00 (78.70 to 79.70): BGC





#17

2-Methylphenol

Concen: 34.309 ng

RT: 8.52 min Scan# 925

Delta R.T. 0.00 min

Lab File: BG041351.D

Acq: 20 Jun 2019 7:31

Instrument :

BNA_G

ClientSampleId :

Tot Ion:107 Resp: 88029

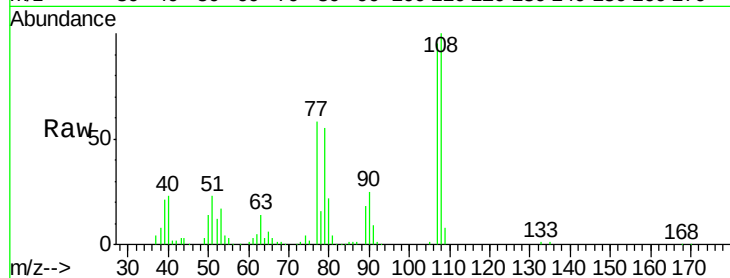
Ion Ratio Lower Upper

107 100

108 105.3 91.7 137.5

77 61.1 47.8 71.8

79 58.0 46.8 70.2

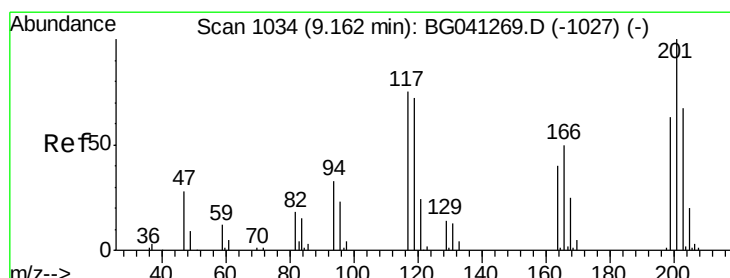
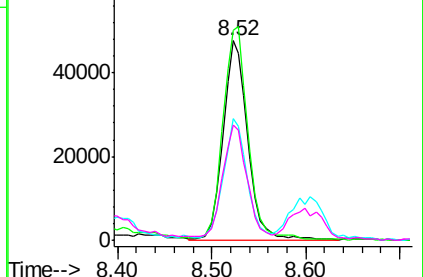
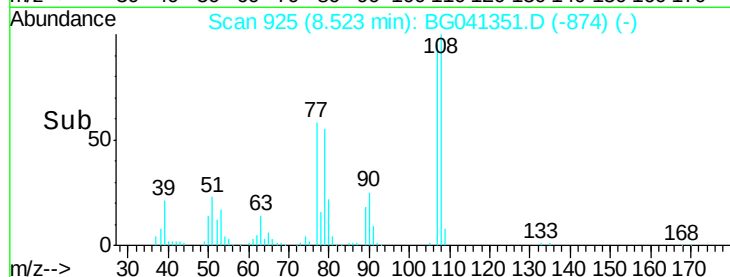


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BG

Ion 79.00 (78.70 to 79.70): BG



#18

Hexachloroethane

Concen: 34.136 ng

RT: 9.16 min Scan# 1034

Delta R.T. 0.00 min

Lab File: BG041351.D

Acq: 20 Jun 2019 7:31

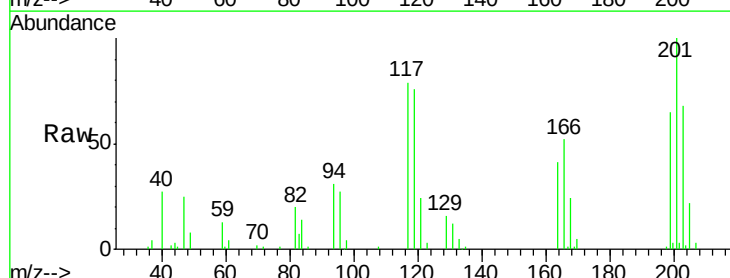
Tgt Ion:117 Resp: 46806

Ion Ratio Lower Upper

117 100

119 95.9 76.8 115.2

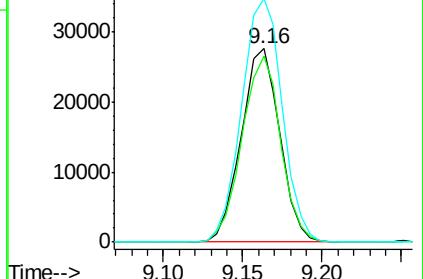
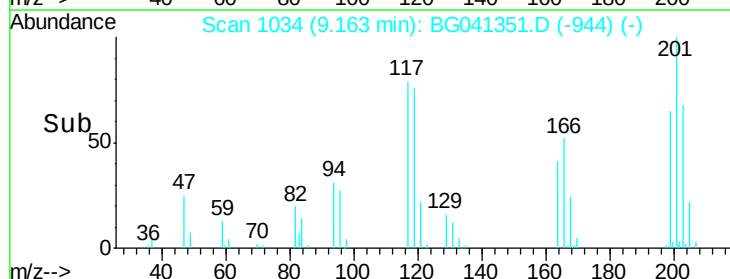
201 125.8 106.3 159.5

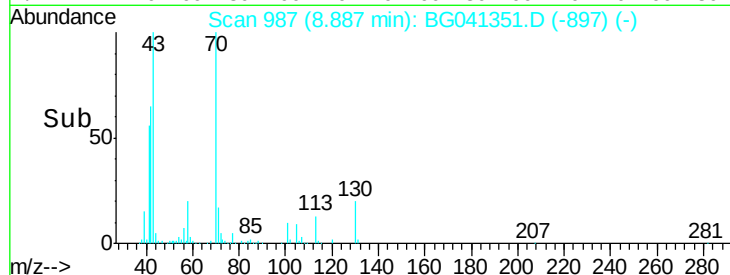
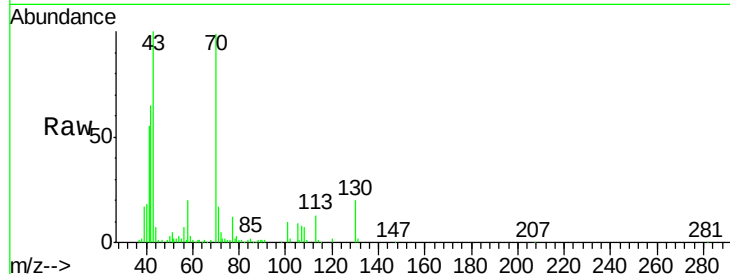
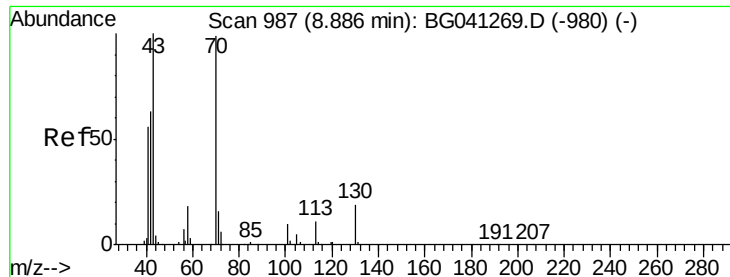


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

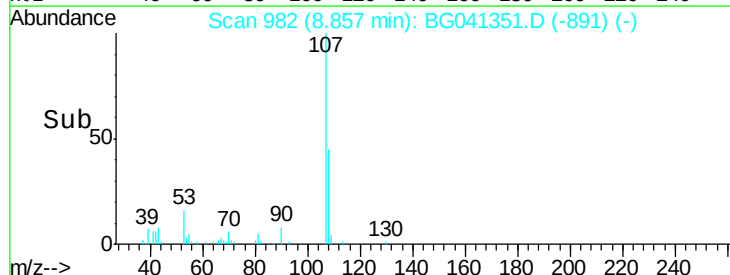
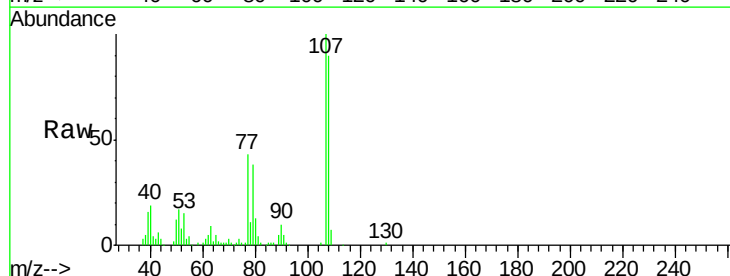
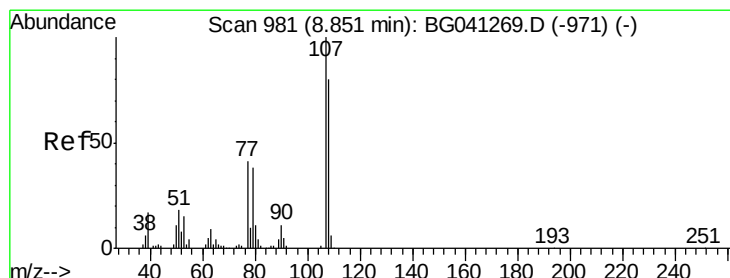
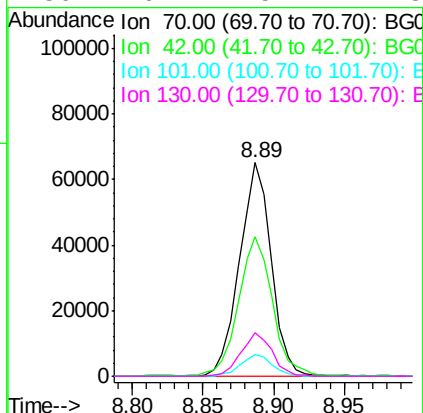




#19
n-Nitroso-di-n-propylamine
Concen: 37.857 ng
RT: 8.89 min Scan# 987
Delta R.T. 0.00 min
Lab File: BG041351.D
Acq: 20 Jun 2019 7:31

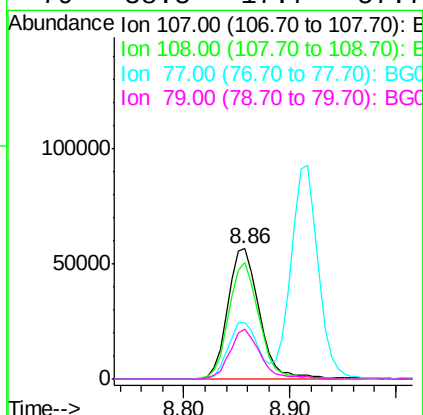
Instrument :
BNA_G
ClientSampled :

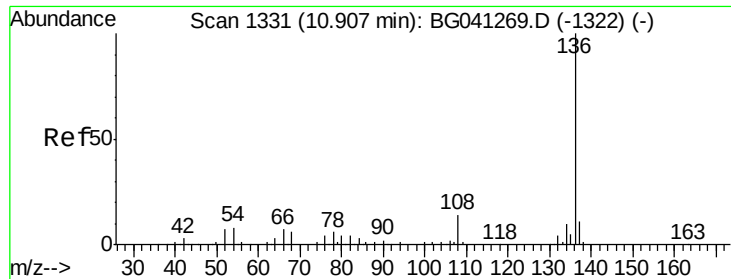
Tot Ion:	70	Resp:	102185
Ion	Ratio	Lower	Upper
70	100		
42	65.5	51.4	77.2
101	10.1	8.2	12.2
130	20.4	15.2	22.8



#20
3+4-Methylphenols
Concen: 34.091 ng
RT: 8.86 min Scan# 982
Delta R.T. 0.01 min
Lab File: BG041351.D
Acq: 20 Jun 2019 7:31

Tgt Ion:	107	Resp:	116443
Ion	Ratio	Lower	Upper
107	100		
108	89.6	60.4	100.4
77	43.3	21.2	61.2
79	38.3	17.7	57.7





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.90 min Scan# 1330

Delta R.T. -0.00 min

Lab File: BG041351.D

Acq: 20 Jun 2019 7:31

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 164666

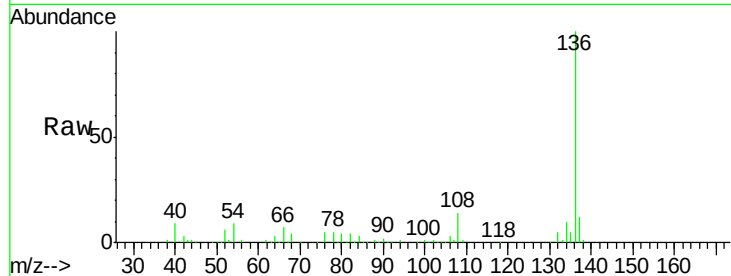
Ion Ratio Lower Upper

136 100

137 11.9 8.8 13.2

54 8.8 6.4 9.6

68 4.4 4.8 7.2#

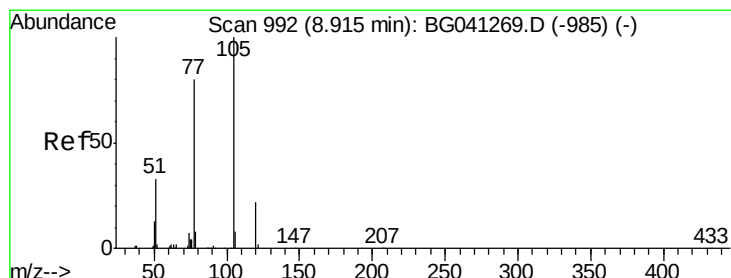
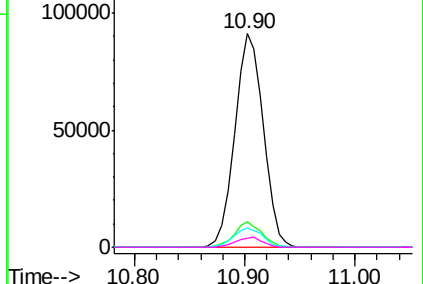
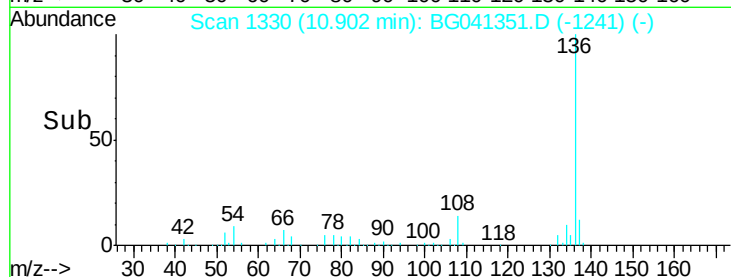


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#22

Acetophenone

Concen: 40.490 ng

RT: 8.92 min Scan# 992

Delta R.T. 0.00 min

Lab File: BG041351.D

Acq: 20 Jun 2019 7:31

Tgt Ion:105 Resp: 194022

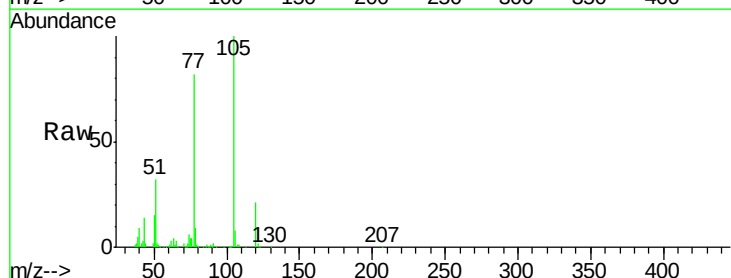
Ion Ratio Lower Upper

105 100

71 0.3 0.4 0.6#

51 32.1 28.2 42.4

120 21.1 17.4 26.0

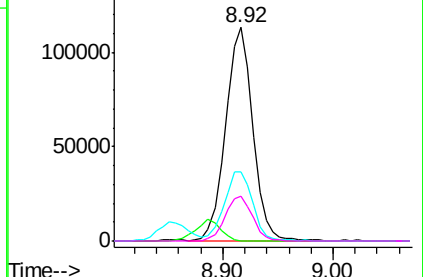
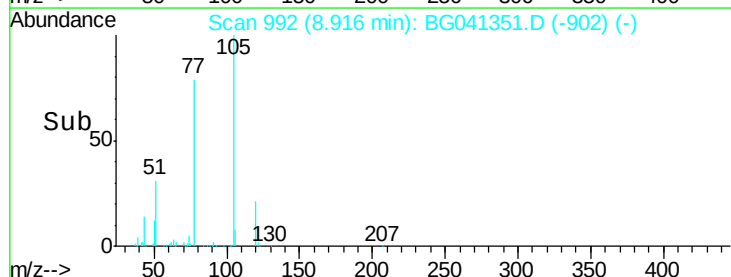


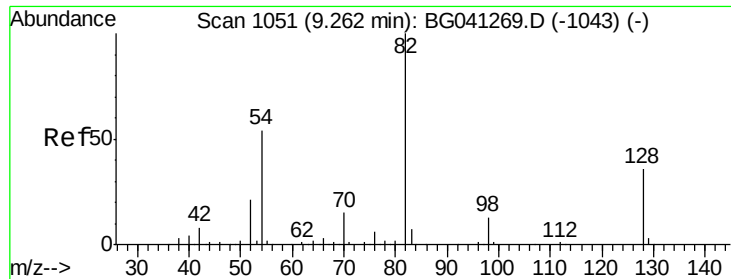
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BGC

Ion 51.00 (50.70 to 51.70): BGC

Ion 120.00 (119.70 to 120.70): E

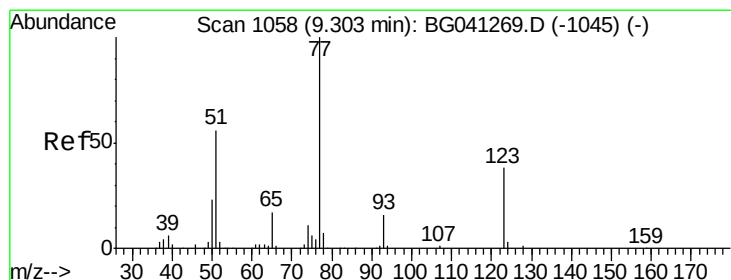
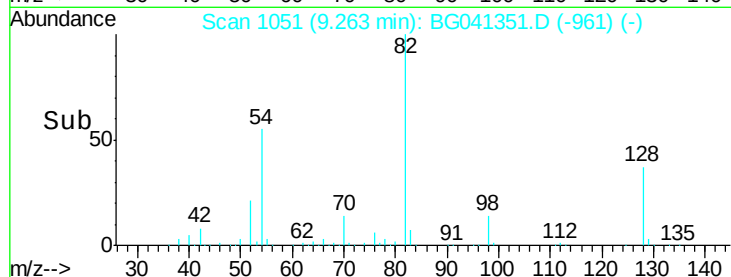
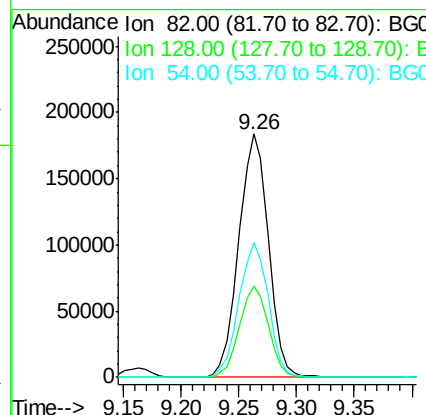
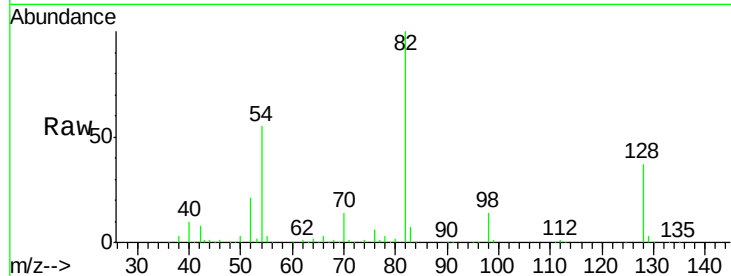




#23
 Nitrobenzene-d5
 Concen: 83.578 ng
 RT: 9.26 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: BG041351.D
 Acq: 20 Jun 2019 7:31

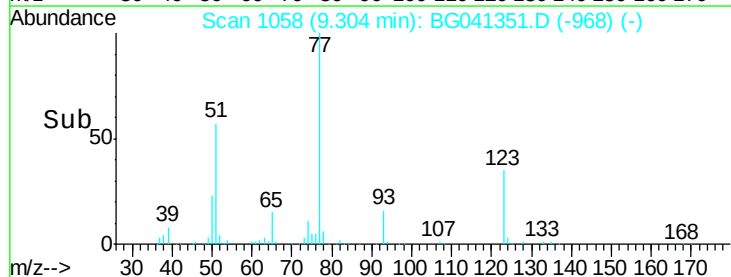
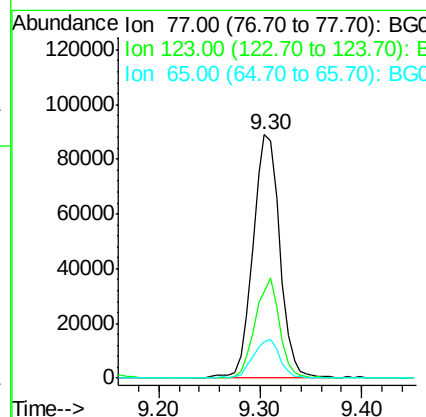
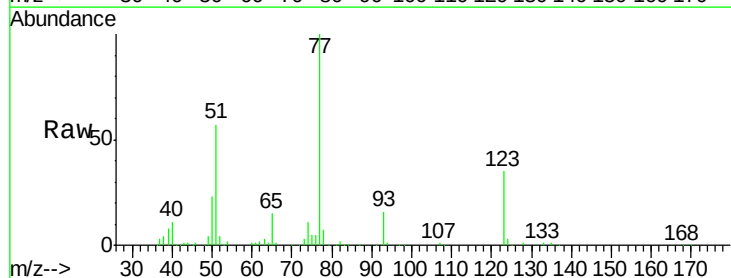
Instrument :
 BNA_G
 ClientSampleId :

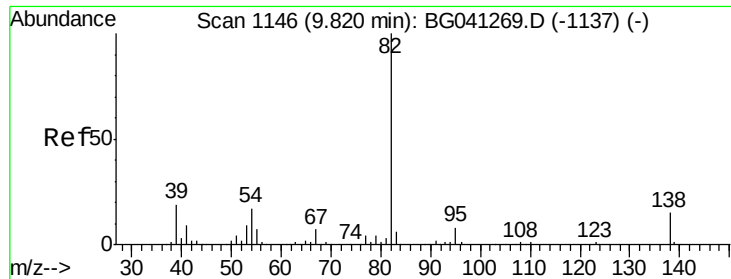
Tot Ion	82	Resp	327239
Ion Ratio	Lower	Upper	
82	100		
128	37.3	29.2	43.8
54	55.2	43.4	65.0



#24
 Nitrobenzene
 Concen: 41.615 ng
 RT: 9.30 min Scan# 1058
 Delta R.T. 0.00 min
 Lab File: BG041351.D
 Acq: 20 Jun 2019 7:31

Tgt Ion	77	Resp	163873
Ion Ratio	Lower	Upper	
77	100		
123	35.2	30.4	45.6
65	15.1	13.3	19.9





#25

Isophorone

Concen: 39.061 ng

RT: 9.82 min Scan# 1146

Delta R.T. 0.00 min

Lab File: BG041351.D

Acq: 20 Jun 2019 7:31

Instrument :

BNA_G

ClientSampled :

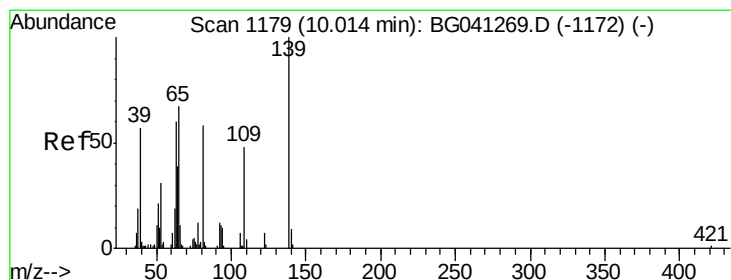
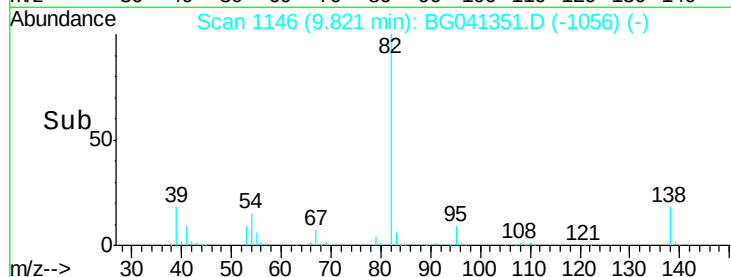
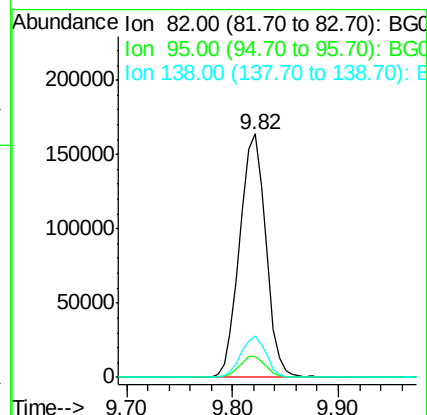
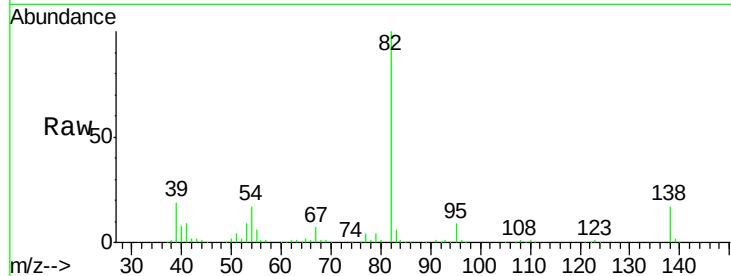
Tot Ion: 82 Resp: 280585

Ion Ratio Lower Upper

82 100

95 8.7 6.6 10.0

138 16.8 12.3 18.5



#26

2-Nitrophenol

Concen: 35.462 ng

RT: 10.01 min Scan# 1179

Delta R.T. 0.00 min

Lab File: BG041351.D

Acq: 20 Jun 2019 7:31

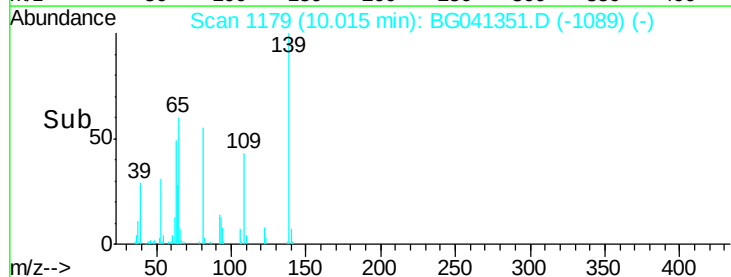
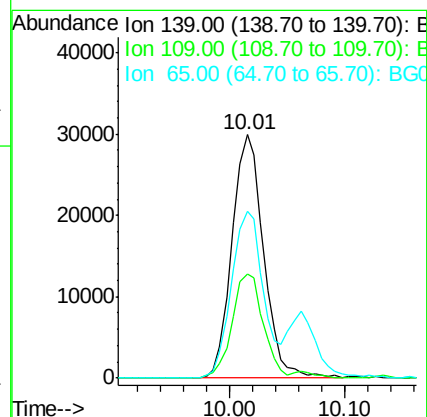
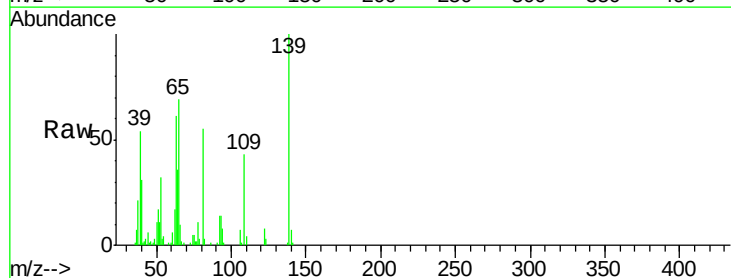
Tgt Ion: 139 Resp: 56614

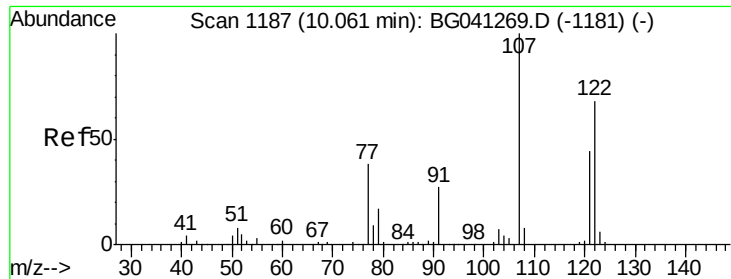
Ion Ratio Lower Upper

139 100

109 42.9 38.4 57.6

65 68.7 53.6 80.4

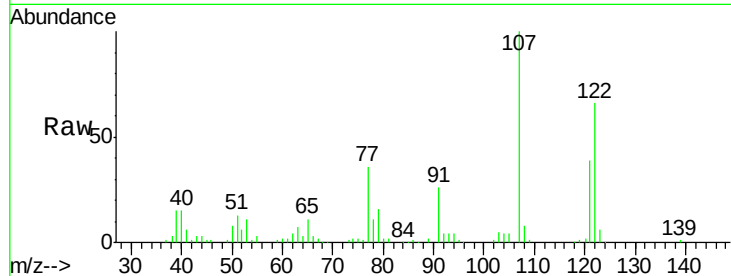




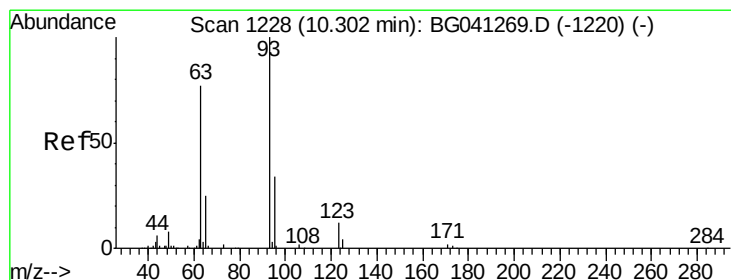
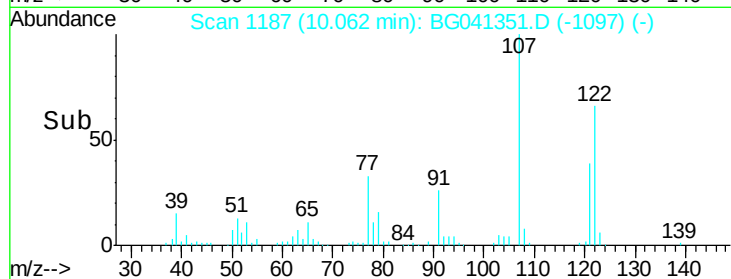
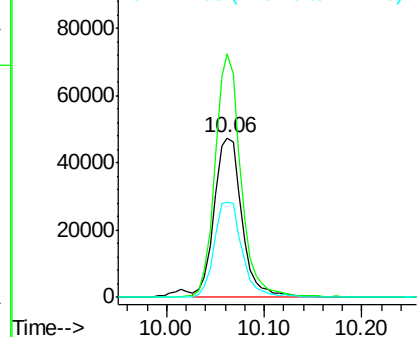
#27
2,4-Dimethylphenol
Concen: 39.098 ng
RT: 10.06 min Scan# 1187
Delta R.T. 0.00 min
Lab File: BG041351.D
Acq: 20 Jun 2019 7:31

Instrument :
BNA_G
ClientSampled :

Tot Ion:122 Resp: 93562
Ion Ratio Lower Upper
122 100
107 152.6 115.1 172.7
121 59.7 50.1 75.1

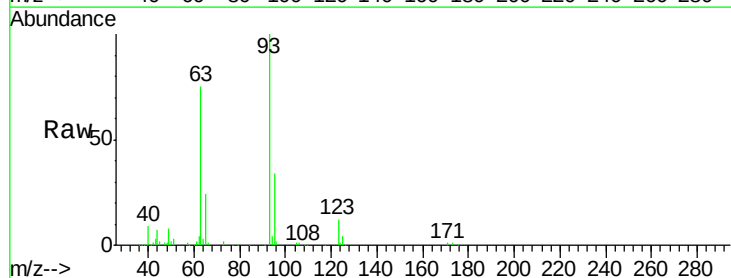


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 107.00 (106.70 to 107.70): E
Ion 121.00 (120.70 to 121.70): E

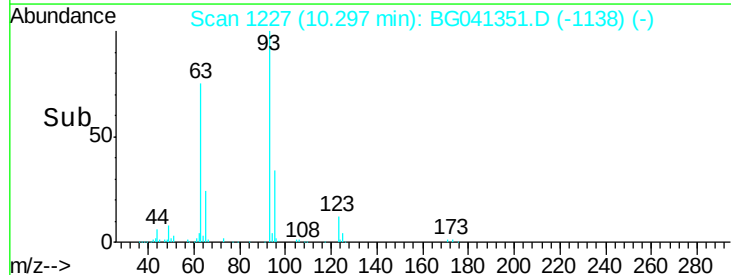
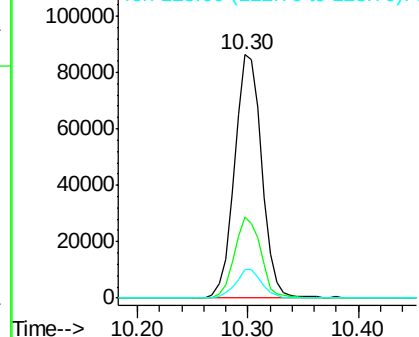


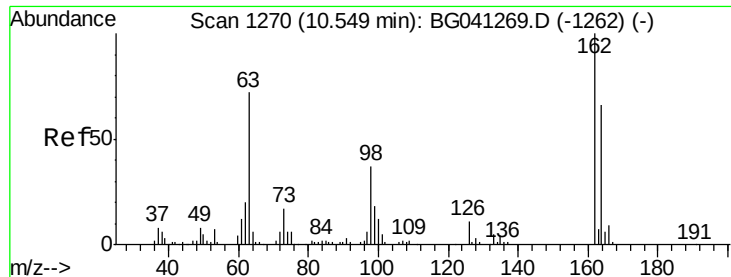
#28
bis(2-Chloroethoxy)methane
Concen: 39.932 ng
RT: 10.30 min Scan# 1227
Delta R.T. -0.00 min
Lab File: BG041351.D
Acq: 20 Jun 2019 7:31

Tgt Ion: 93 Resp: 149459
Ion Ratio Lower Upper
93 100
95 33.5 27.3 40.9
123 12.0 9.6 14.4



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

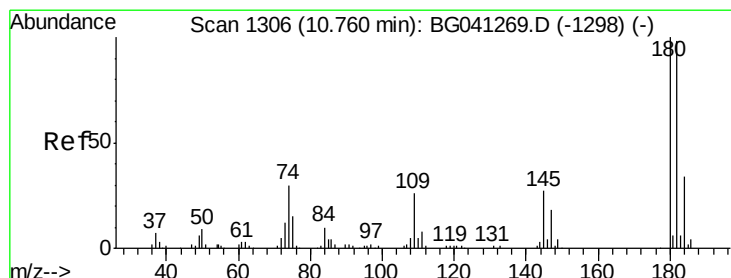
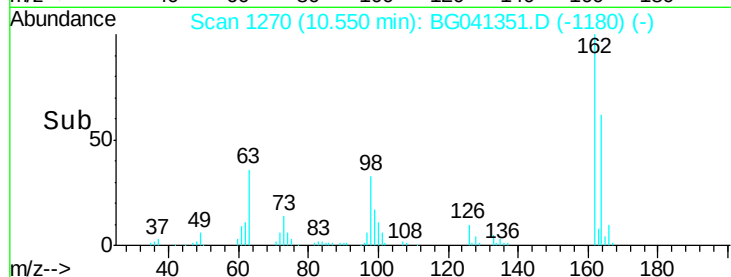
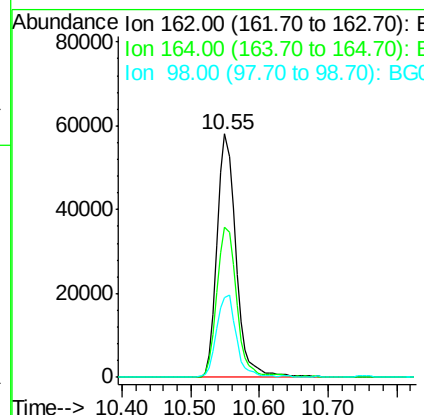
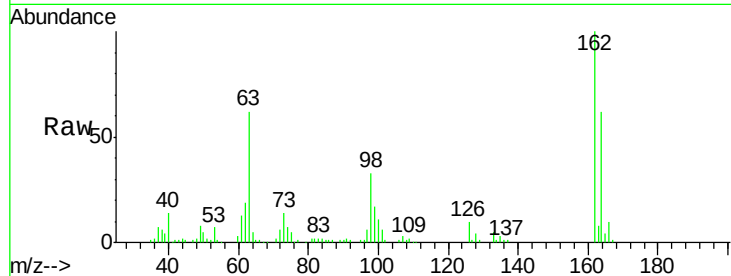




#29
 2,4-Dichlorophenol
 Concen: 37.714 ng
 RT: 10.55 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: BG041351.D
 Acq: 20 Jun 2019 7:31

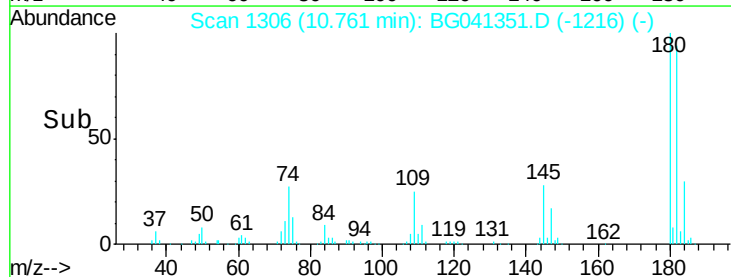
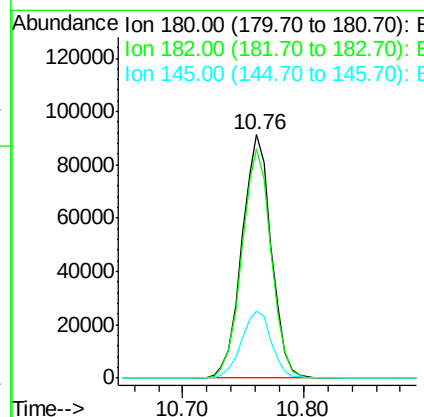
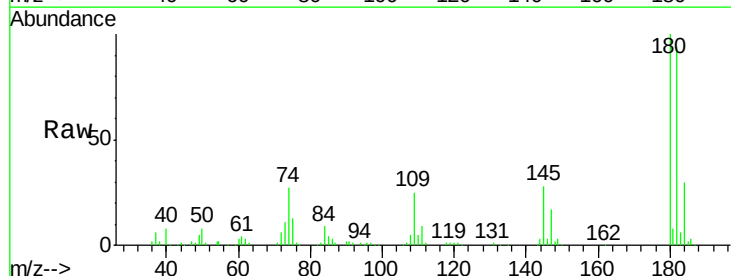
Instrument :
 BNA_G
 ClientSampleId :

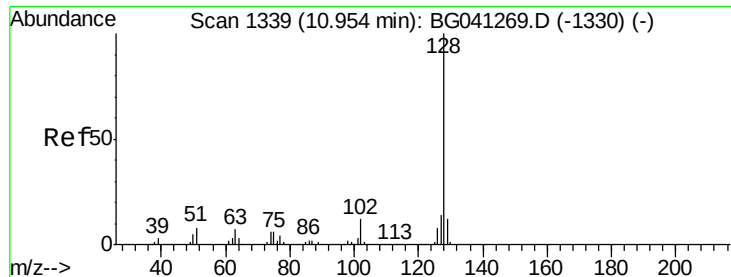
Tot Ion	Ratio	Lower	Upper
162	100		
164	61.6	46.0	86.0
98	32.9	17.4	57.4



#30
 1,2,4-Trichlorobenzene
 Concen: 40.585 ng
 RT: 10.76 min Scan# 1306
 Delta R.T. 0.00 min
 Lab File: BG041351.D
 Acq: 20 Jun 2019 7:31

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.0	78.6	117.8
145	27.7	21.7	32.5

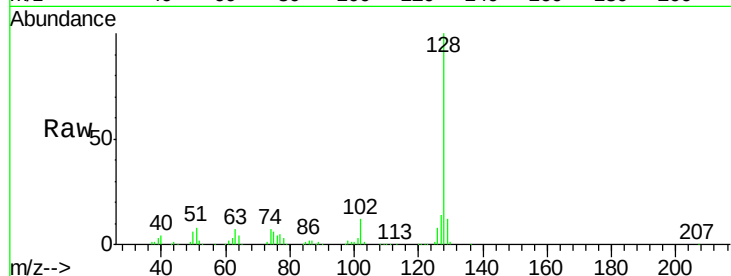




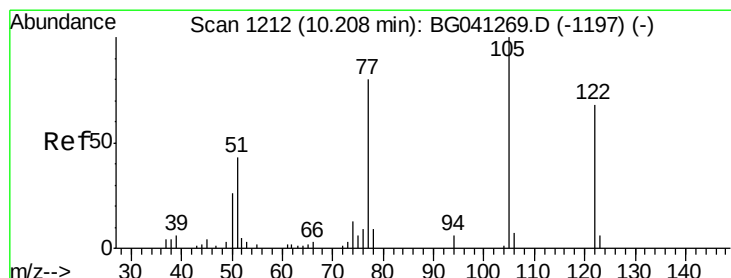
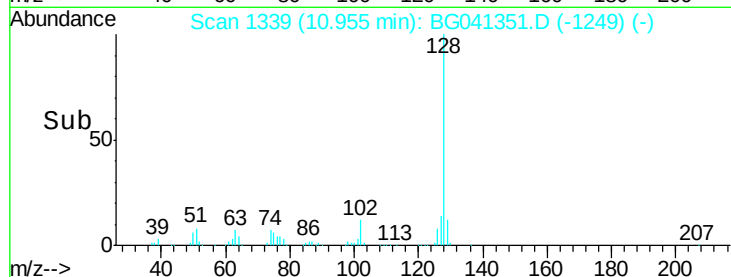
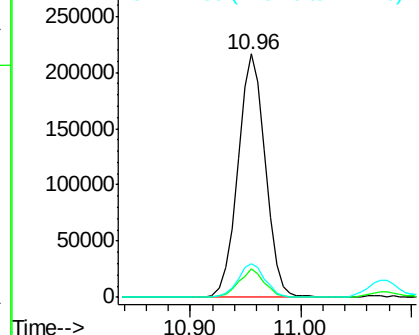
#31
Naphthalene
Concen: 42.089 ng
RT: 10.96 min Scan# 1339
Delta R.T. 0.00 min
Lab File: BG041351.D
Acq: 20 Jun 2019 7:31

Instrument :
BNA_G
ClientSampled :

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.6	9.4	14.0
127	14.1	11.2	16.8

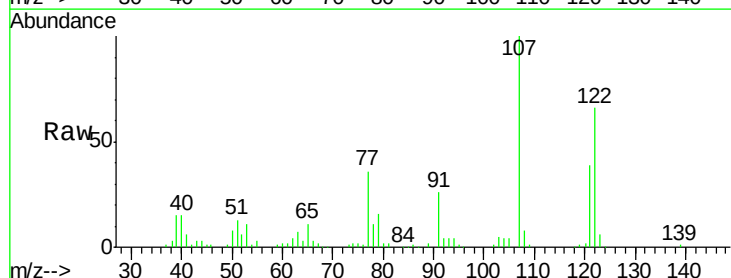


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

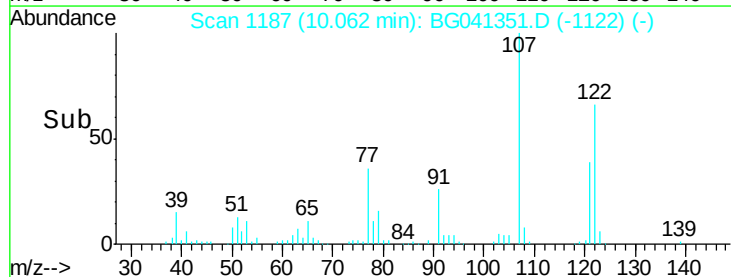
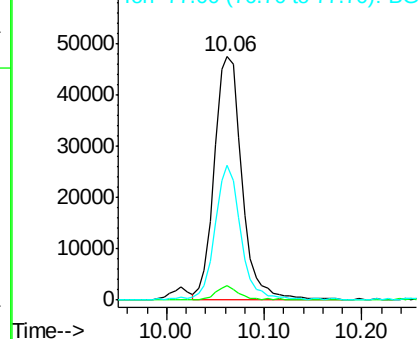


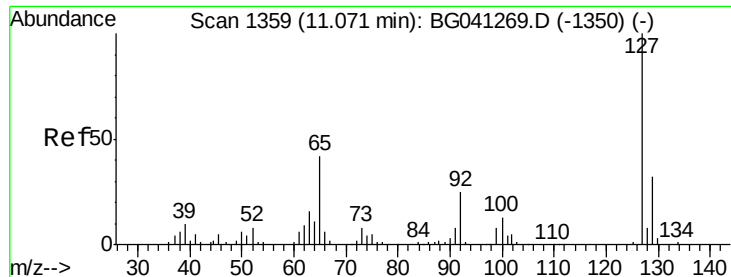
#32
Benzoic acid
Concen: 60.061 ng
RT: 10.06 min Scan# 1187
Delta R.T. -0.15 min
Lab File: BG041351.D
Acq: 20 Jun 2019 7:31

Tgt Ion	Ratio	Lower	Upper
122	100		
105	5.8	124.2	164.2#
77	55.2	97.2	137.2#



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): BGO

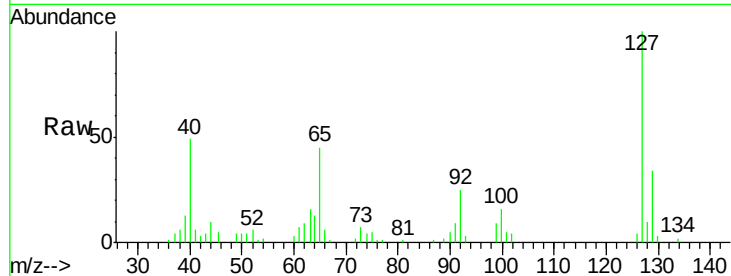




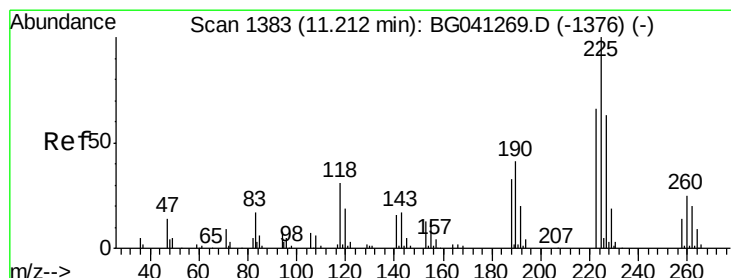
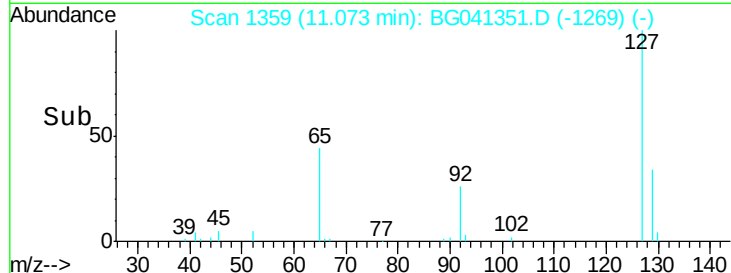
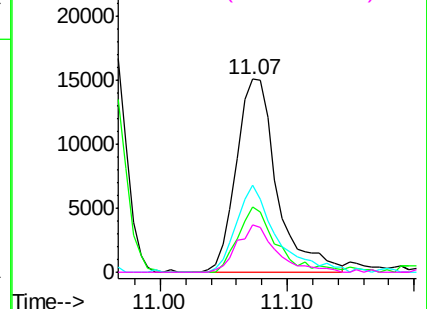
#33
4-Chloroaniline
Concen: 8.827 ng
RT: 11.07 min Scan# 1359
Delta R.T. 0.00 min
Lab File: BG041351.D
Acq: 20 Jun 2019 7:31

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	127	Resp:	33548
Ion	Ratio	Lower	Upper
127	100		
129	33.7	25.8	38.8
65	45.3	33.8	50.8
92	24.9	20.2	30.4

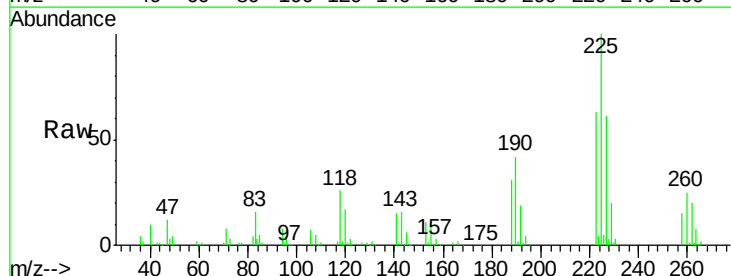


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BGC
Ion 92.00 (91.70 to 92.70): BGC

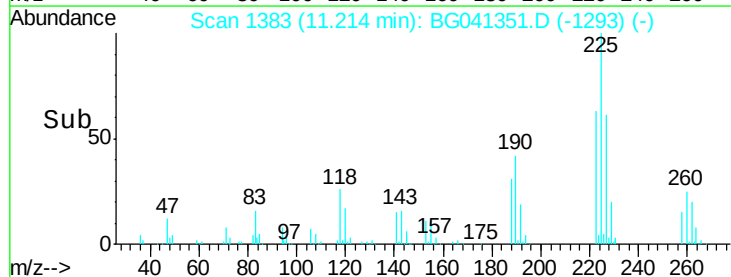
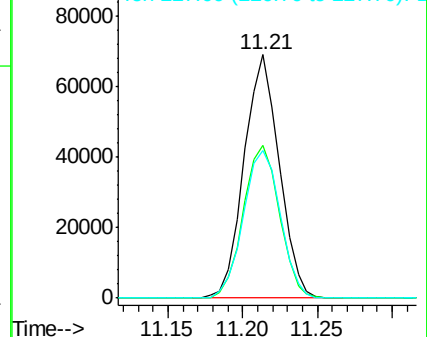


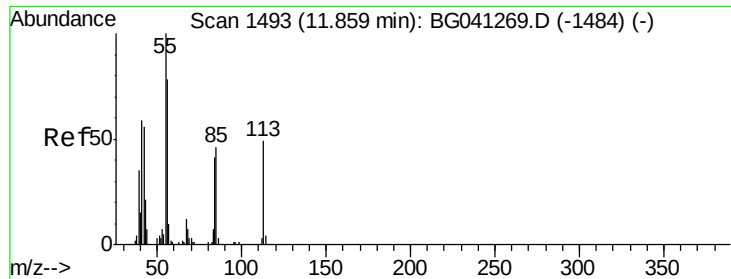
#34
Hexachlorobutadiene
Concen: 37.240 ng
RT: 11.21 min Scan# 1383
Delta R.T. 0.00 min
Lab File: BG041351.D
Acq: 20 Jun 2019 7:31

Tgt Ion:	225	Resp:	112332
Ion	Ratio	Lower	Upper
225	100		
223	62.6	52.5	78.7
227	60.7	50.2	75.2



Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E





#35

Caprolactam

Concen: 21.723 ng

RT: 11.86 min Scan# 1493

Delta R.T. 0.00 min

Lab File: BG041351.D

Acq: 20 Jun 2019 7:31

Instrument :

BNA_G

ClientSampleId :

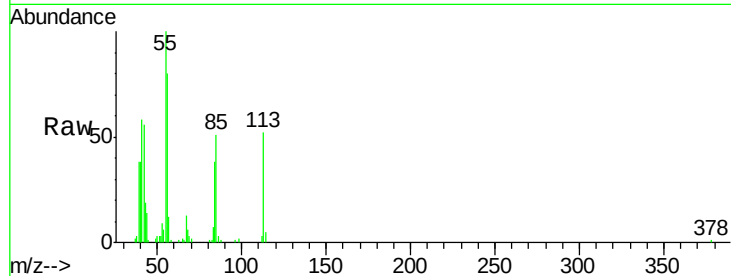
Tot Ion:113 Resp: 22190

Ion Ratio Lower Upper

113 100

55 192.1 182.6 222.6

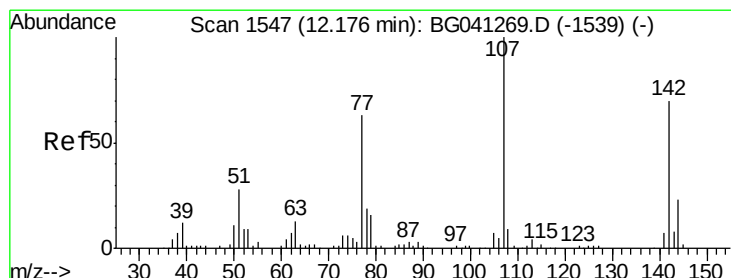
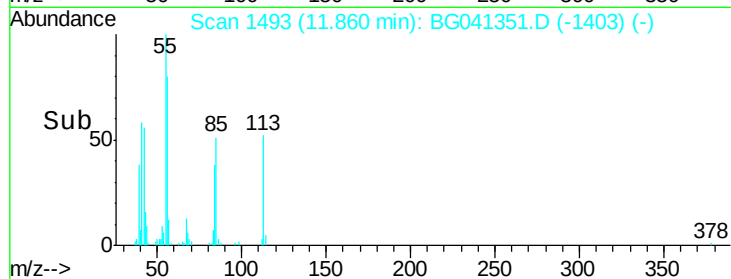
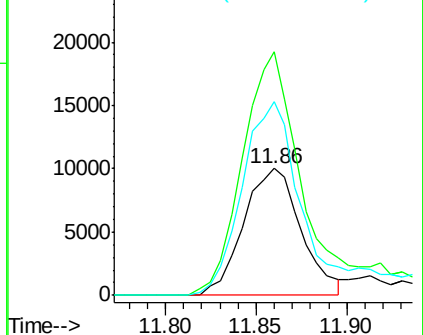
56 152.9 137.5 177.5



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BG0

Ion 56.00 (55.70 to 56.70): BG0



#36

4-Chloro-3-methylphenol

Concen: 34.707 ng

RT: 12.18 min Scan# 1548

Delta R.T. 0.01 min

Lab File: BG041351.D

Acq: 20 Jun 2019 7:31

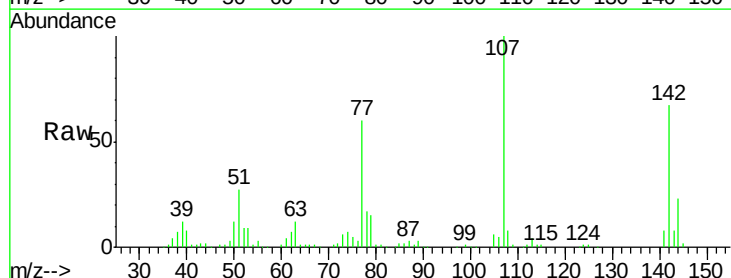
Tgt Ion:107 Resp: 118950

Ion Ratio Lower Upper

107 100

144 22.5 18.5 27.7

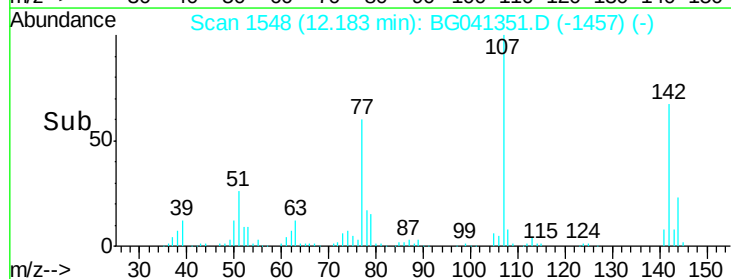
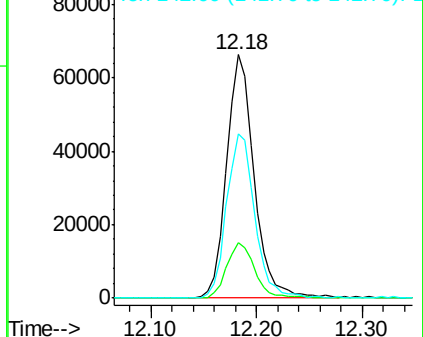
142 67.3 56.3 84.5

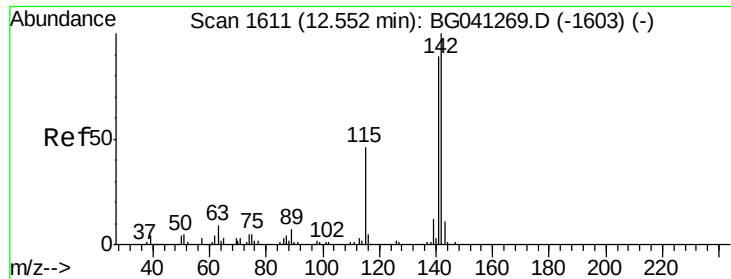


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

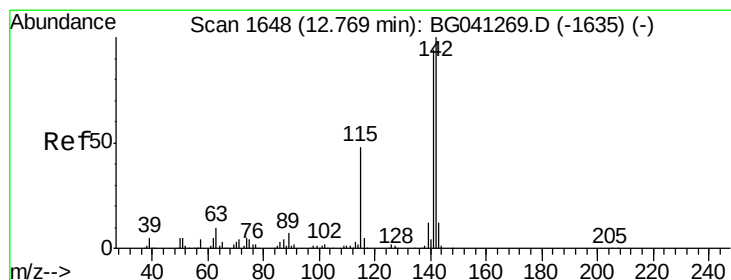
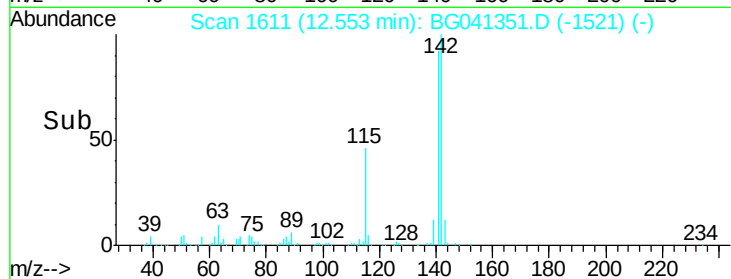
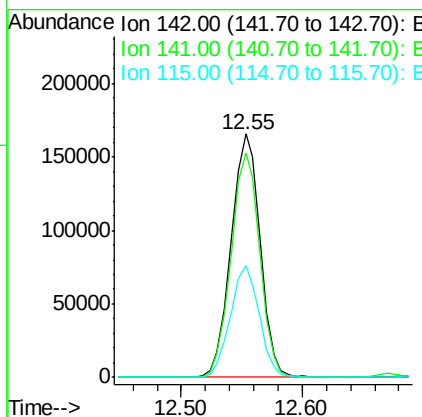
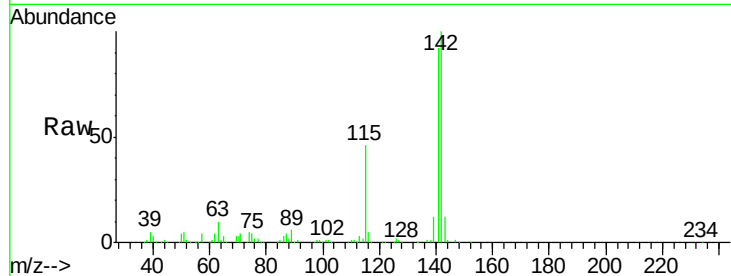




#37
2-Methylnaphthalene
Concen: 42.044 ng
RT: 12.55 min Scan# 1611
Delta R.T. 0.00 min
Lab File: BG041351.D
Acq: 20 Jun 2019 7:31

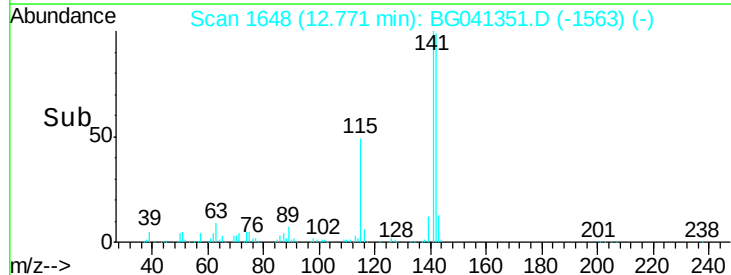
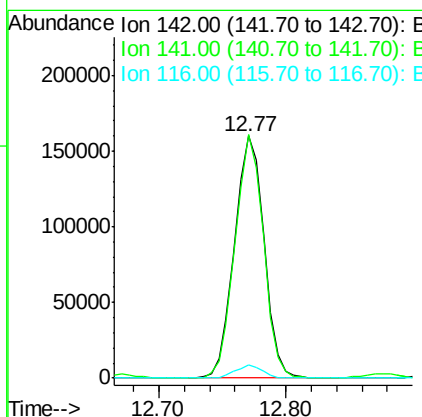
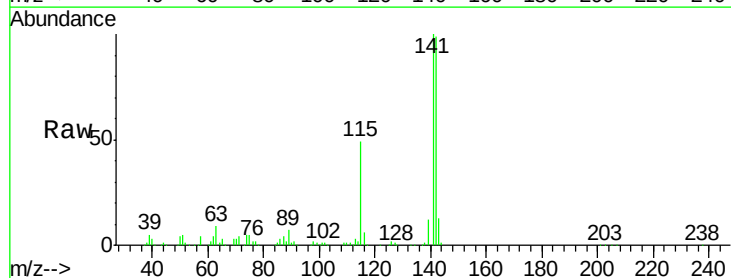
Instrument :
BNA_G
ClientSampleId :

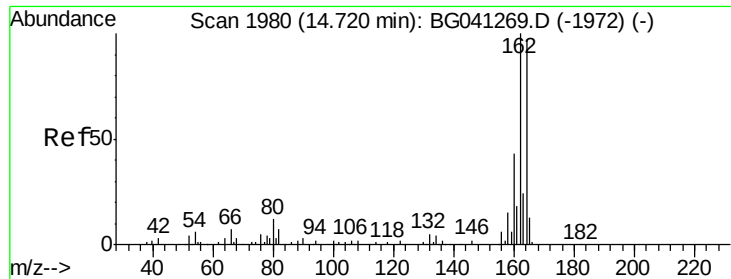
Tot Ion	Ratio	Lower	Upper
142	100		
141	92.0	71.5	107.3
115	45.9	37.0	55.6



#38
1-Methylnaphthalene
Concen: 40.952 ng
RT: 12.77 min Scan# 1648
Delta R.T. 0.00 min
Lab File: BG041351.D
Acq: 20 Jun 2019 7:31

Tgt Ion	Ratio	Lower	Upper
142	100		
141	100.6	75.0	112.6
116	5.6	4.2	6.2





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.72 min Scan# 1980

Delta R.T. 0.00 min

Lab File: BG041351.D

Acq: 20 Jun 2019 7:31

Instrument :

BNA_G

ClientSampleId :

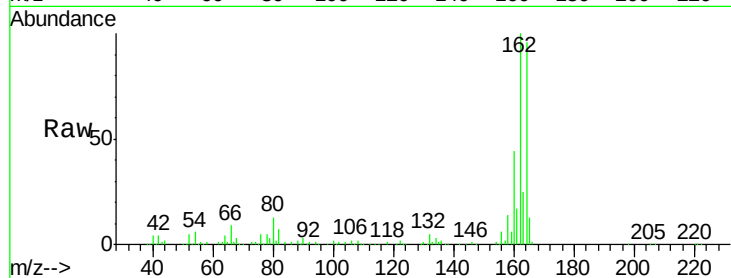
Tot Ion:164 Resp: 111695

Ion Ratio Lower Upper

164 100

162 104.0 82.8 124.2

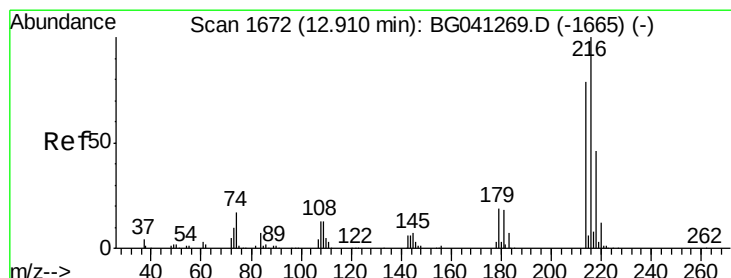
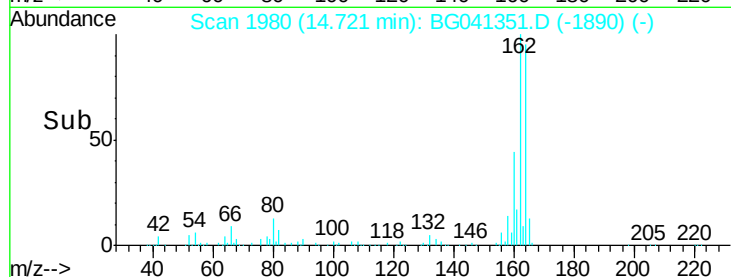
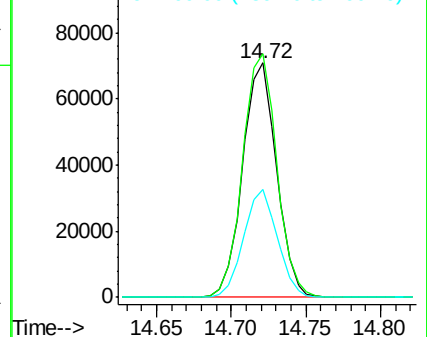
160 46.2 35.8 53.8



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



#40

1,2,4,5-Tetrachlorobenzene

Concen: 44.279 ng

RT: 12.91 min Scan# 1672

Delta R.T. 0.00 min

Lab File: BG041351.D

Acq: 20 Jun 2019 7:31

Tgt Ion:216 Resp: 204223

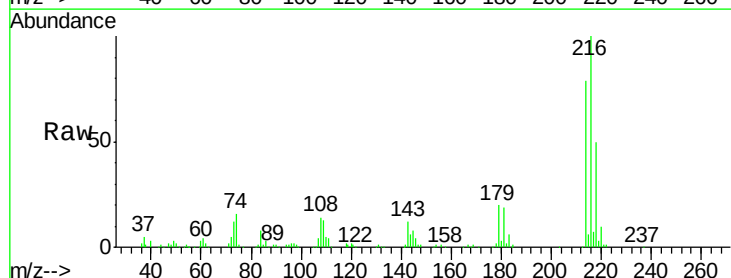
Ion Ratio Lower Upper

216 100

214 80.0 62.8 94.2

179 19.8 15.2 22.8

108 14.7 12.4 18.6

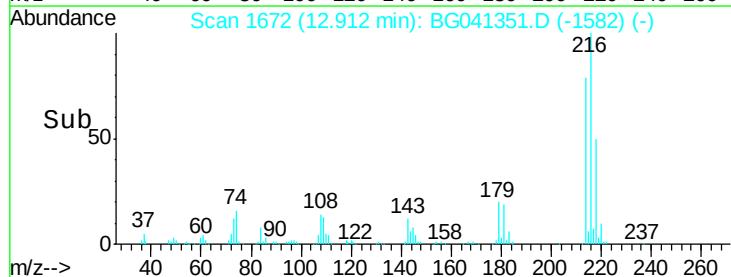
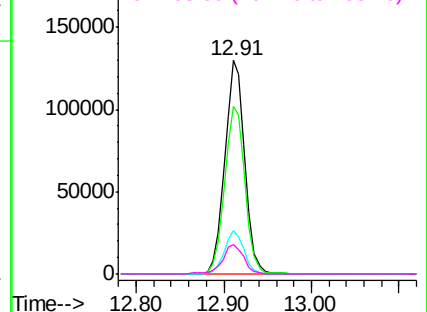


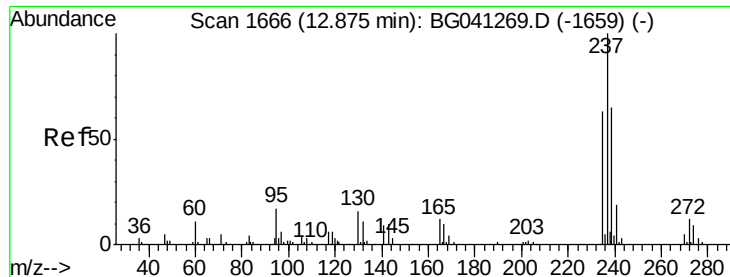
Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





#41

Hexachlorocyclopentadiene

Concen: 18.446 ng

RT: 12.88 min Scan# 1666

Delta R.T. 0.00 min

Lab File: BG041351.D

Acq: 20 Jun 2019 7:31

Instrument :

BNA_G

ClientSampleId :

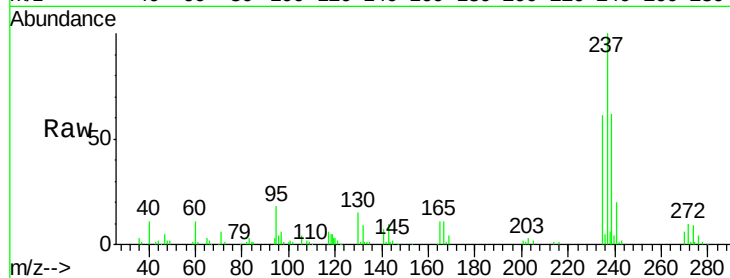
Tot Ion:237 Resp: 57308

Ion Ratio Lower Upper

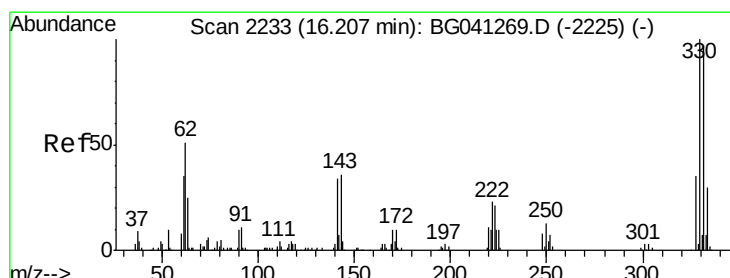
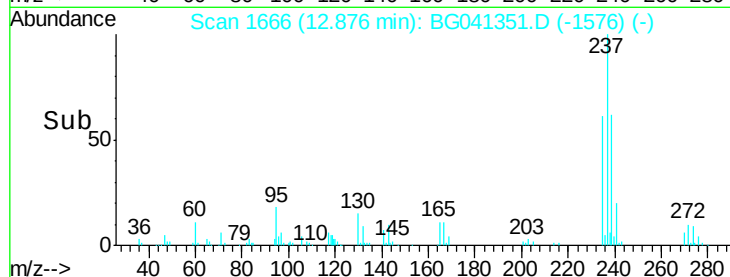
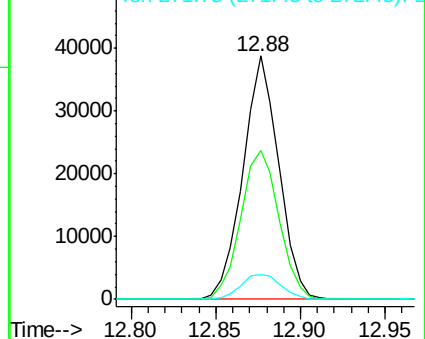
237 100

235 61.1 42.9 82.9

272 10.3 0.0 32.0



Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E



#42

2,4,6-Tribromophenol

Concen: 103.771 ng

RT: 16.21 min Scan# 2233

Delta R.T. 0.00 min

Lab File: BG041351.D

Acq: 20 Jun 2019 7:31

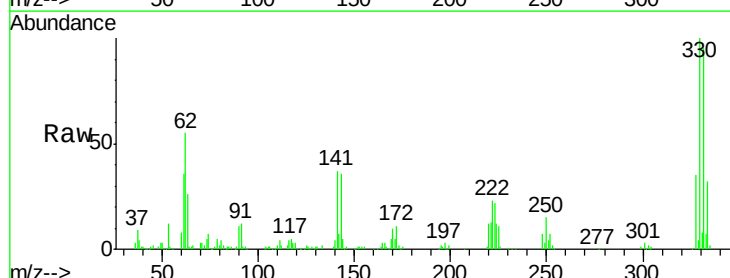
Tgt Ion:330 Resp: 177943

Ion Ratio Lower Upper

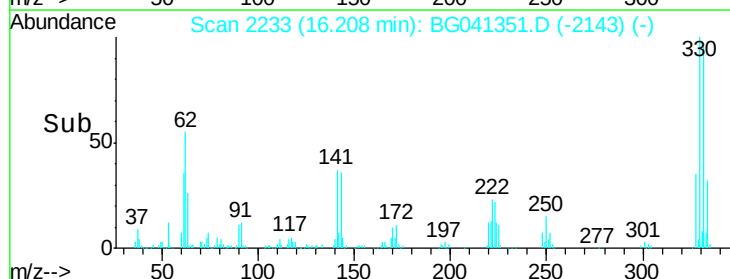
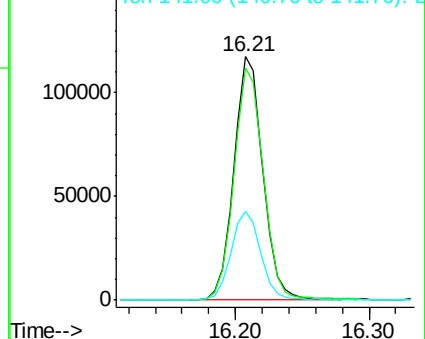
330 100

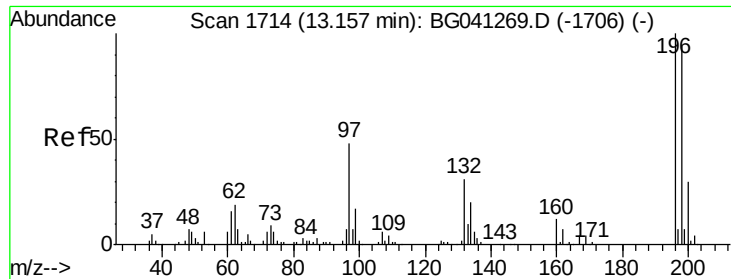
332 96.3 75.5 113.3

141 37.4 29.0 43.4



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

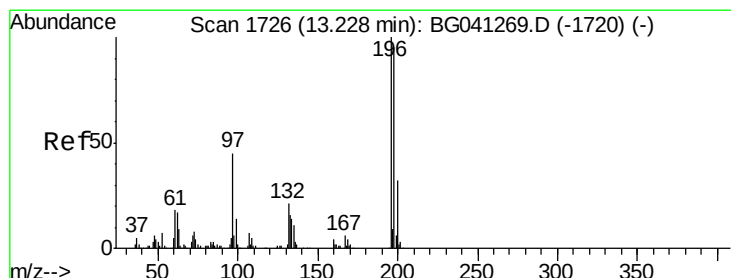
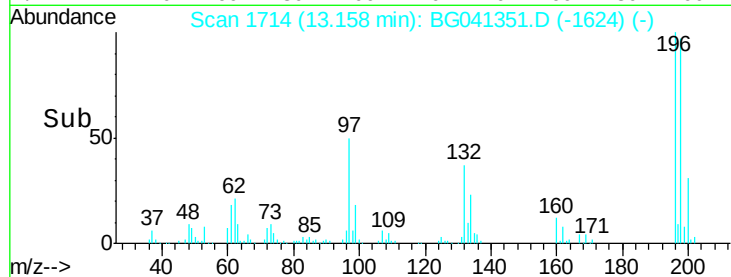
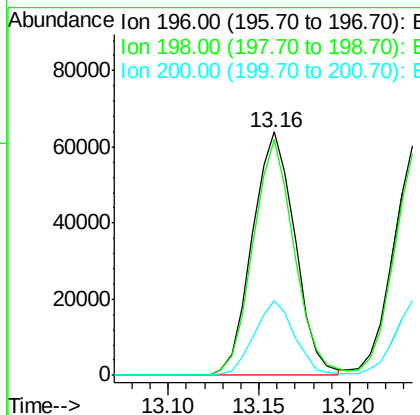
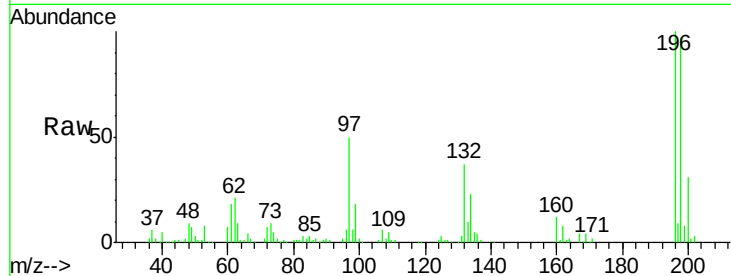




#43
 2,4,6-Trichlorophenol
 Concen: 36.527 ng
 RT: 13.16 min Scan# 1714
 Delta R.T. 0.00 min
 Lab File: BG041351.D
 Acq: 20 Jun 2019 7:31

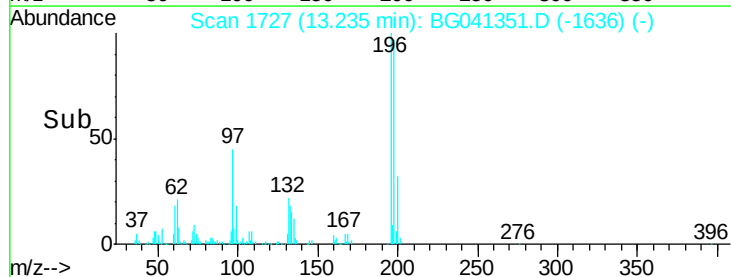
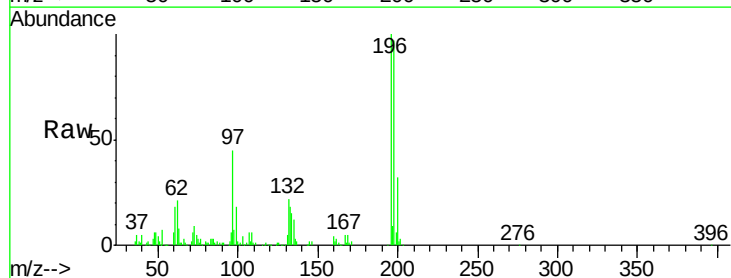
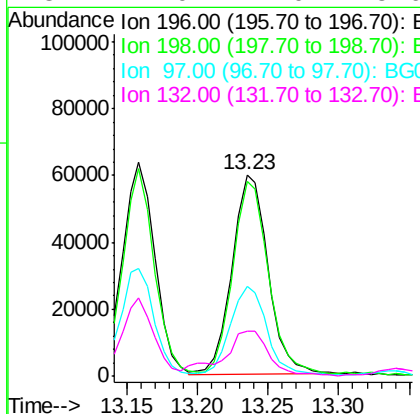
Instrument :
 BNA_G
 ClientSampled :

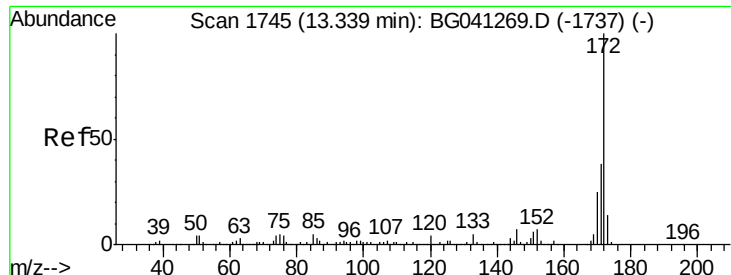
Tot Ion	Ratio	Lower	Upper
196	100		
198	97.0	74.9	112.3
200	30.9	24.2	36.2



#44
 2,4,5-Trichlorophenol
 Concen: 36.201 ng
 RT: 13.23 min Scan# 1727
 Delta R.T. 0.01 min
 Lab File: BG041351.D
 Acq: 20 Jun 2019 7:31

Tgt Ion	Ratio	Lower	Upper
196	100		
198	96.8	76.1	114.1
97	44.7	35.9	53.9
132	22.0	17.0	25.6

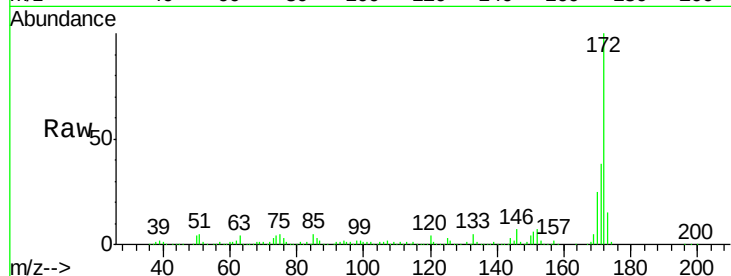




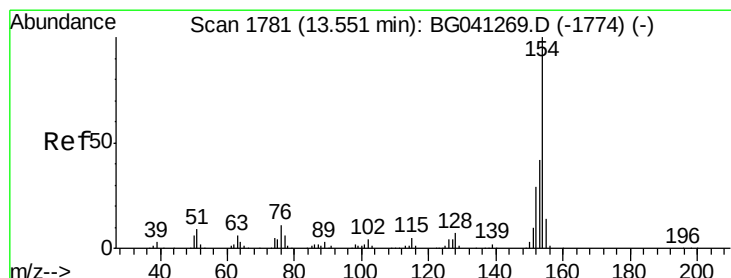
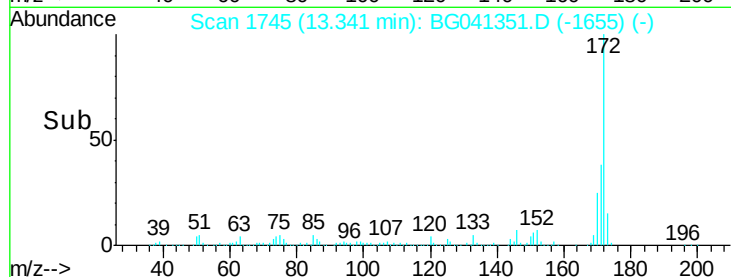
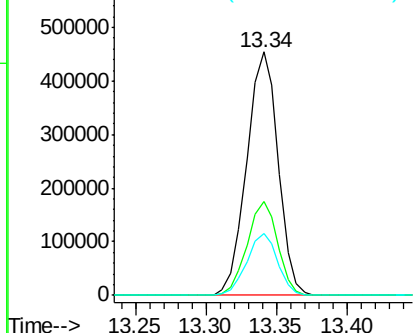
#45
2-Fluorobiphenyl
Concen: 86.450 ng
RT: 13.34 min Scan# 1745
Delta R.T. 0.00 min
Lab File: BG041351.D
Acq: 20 Jun 2019 7:31

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	38.3	30.0	45.0
170	25.2	19.8	29.6

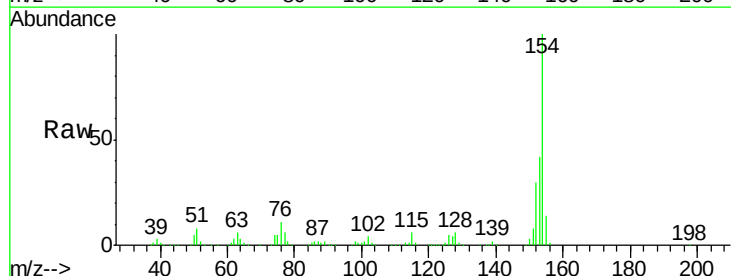


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

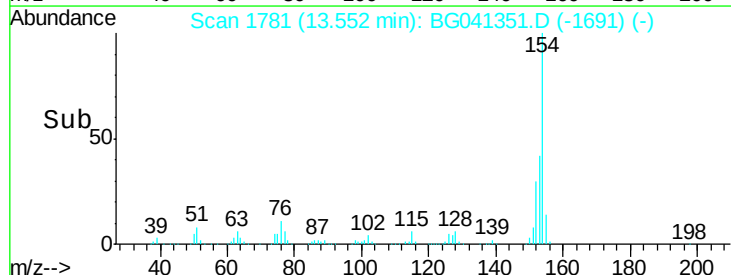
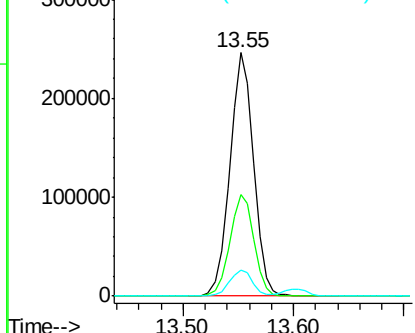


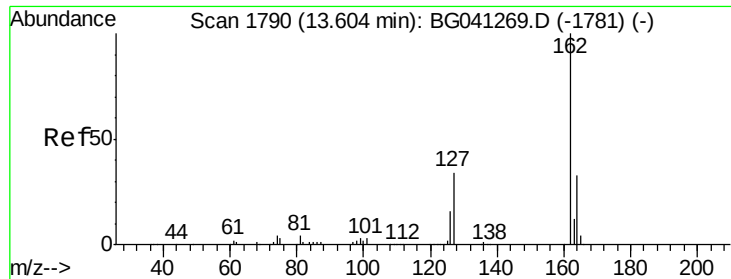
#46
1,1'-Biphenyl
Concen: 43.694 ng
RT: 13.55 min Scan# 1781
Delta R.T. 0.00 min
Lab File: BG041351.D
Acq: 20 Jun 2019 7:31

Tgt Ion	Ratio	Lower	Upper
154	100		
153	41.9	22.3	62.3
76	10.7	0.0	30.8



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BG

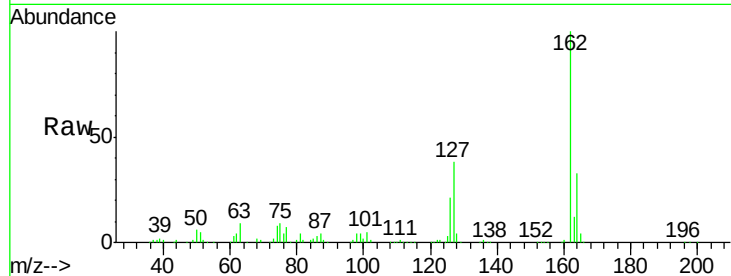




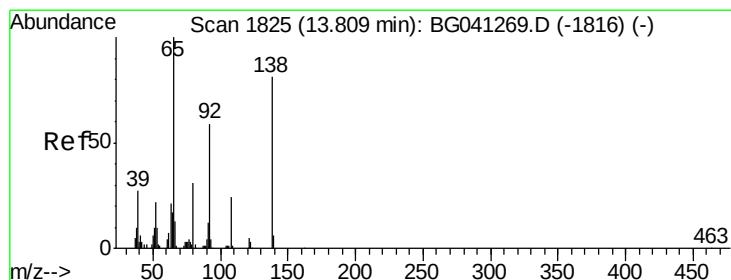
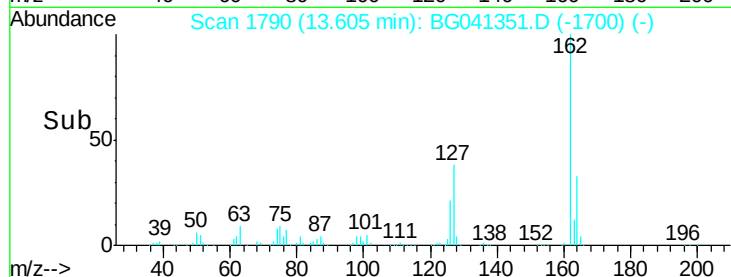
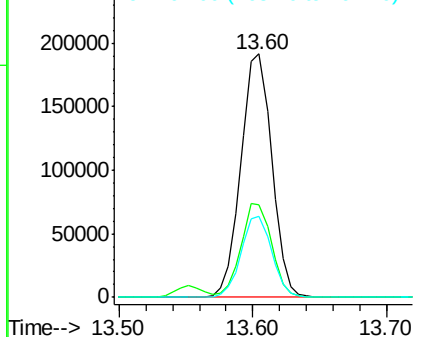
#47
 2-Chloronaphthalene
 Concen: 42.165 ng
 RT: 13.60 min Scan# 1790
 Delta R.T. 0.00 min
 Lab File: BG041351.D
 Acq: 20 Jun 2019 7:31

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
162	100		
127	38.0	31.0	46.4
164	33.4	26.1	39.1

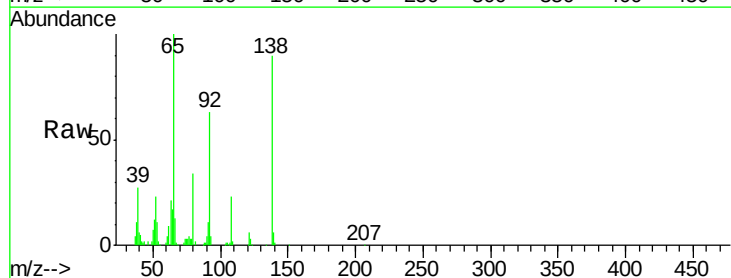


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E

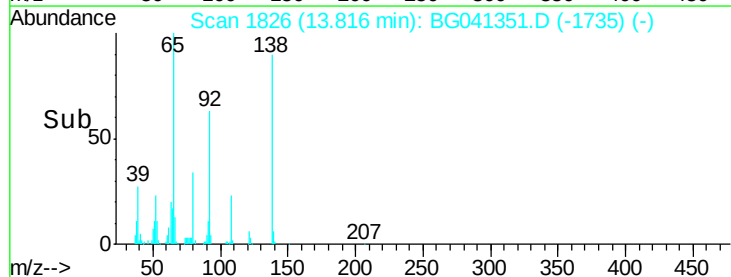
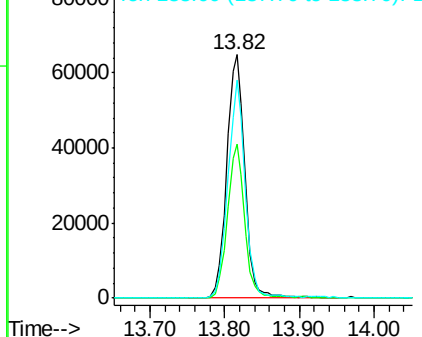


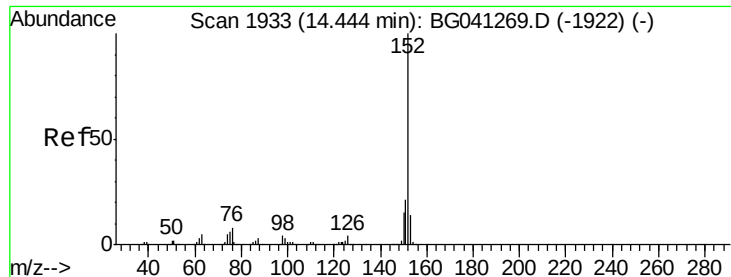
#48
 2-Nitroaniline
 Concen: 41.198 ng
 RT: 13.82 min Scan# 1826
 Delta R.T. 0.01 min
 Lab File: BG041351.D
 Acq: 20 Jun 2019 7:31

Tgt Ion	Ratio	Lower	Upper
65	100		
92	63.1	47.4	71.2
138	89.6	64.7	97.1



Abundance Ion 65.00 (64.70 to 65.70): BGC
 Ion 92.00 (91.70 to 92.70): BGC
 Ion 138.00 (137.70 to 138.70): E





#49

Acenaphthylene

Concen: 41.687 ng

RT: 14.45 min Scan# 1933

Delta R.T. 0.00 min

Lab File: BG041351.D

Acq: 20 Jun 2019 7:31

Instrument :

BNA_G

ClientSampleId :

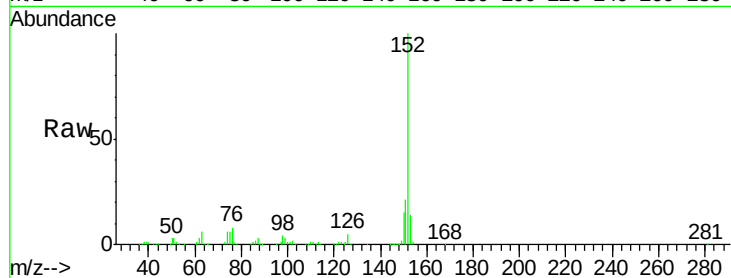
Tot Ion:152 Resp: 459880

Ion Ratio Lower Upper

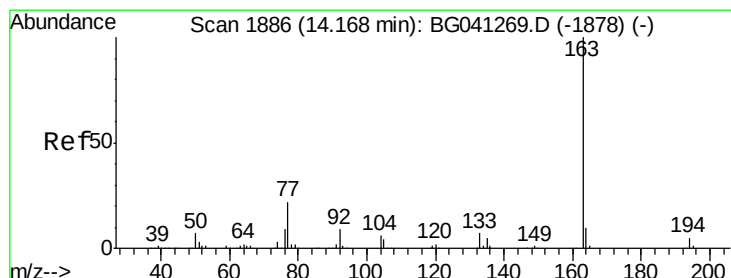
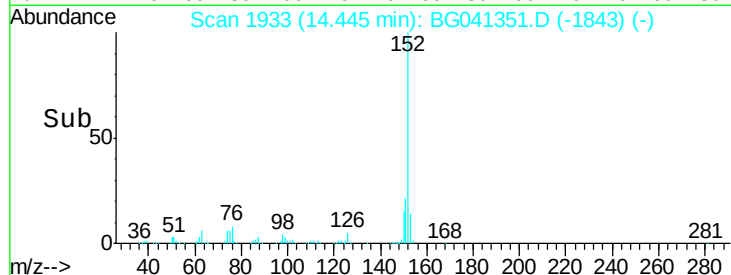
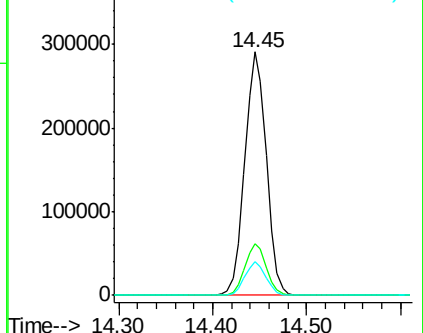
152 100

151 21.2 16.8 25.2

153 13.8 10.8 16.2



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 39.468 ng

RT: 14.17 min Scan# 1886

Delta R.T. 0.00 min

Lab File: BG041351.D

Acq: 20 Jun 2019 7:31

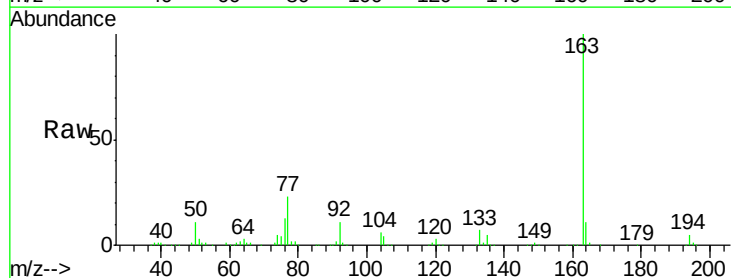
Tgt Ion:163 Resp: 392240

Ion Ratio Lower Upper

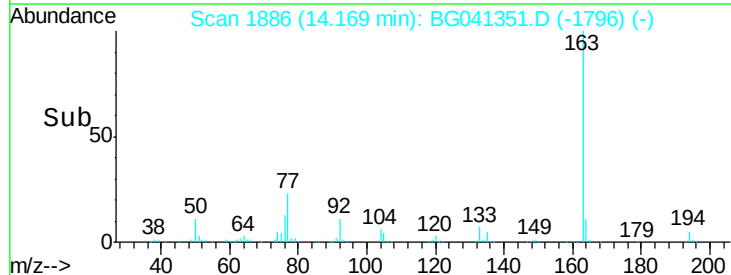
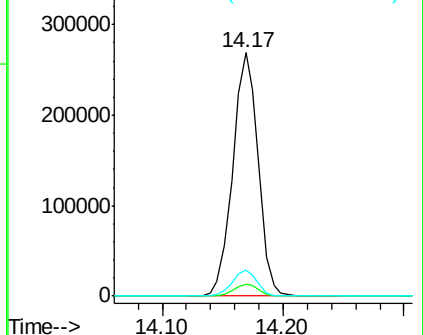
163 100

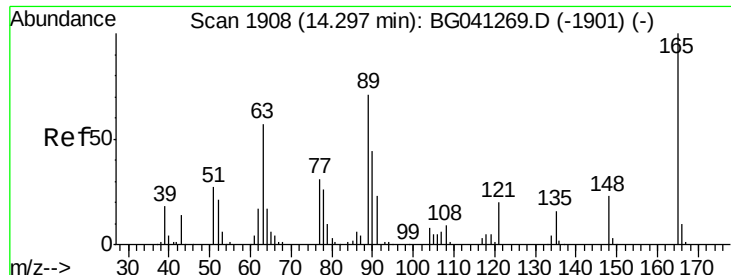
194 5.2 3.9 5.9

164 10.7 8.3 12.5



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

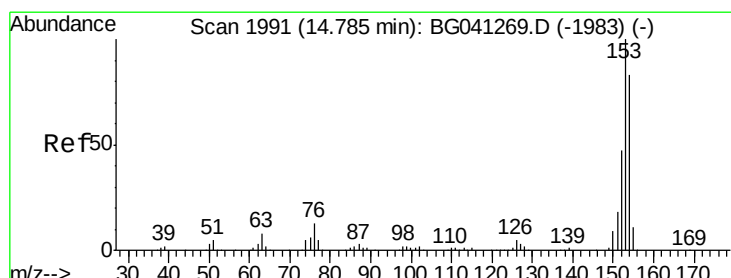
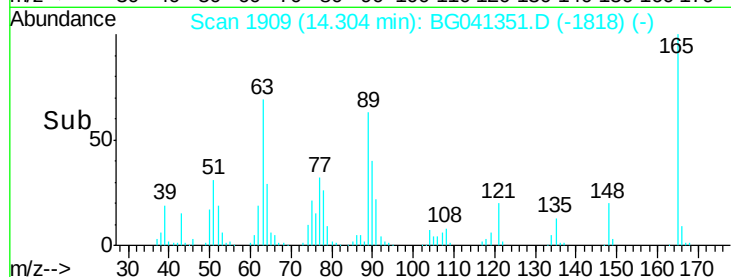
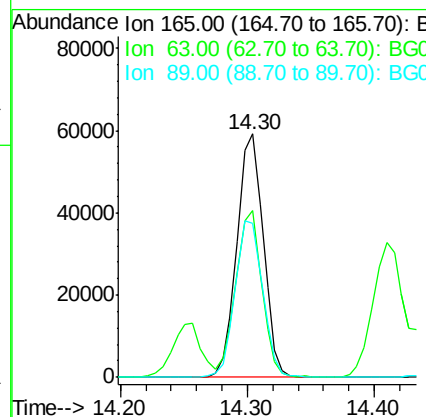
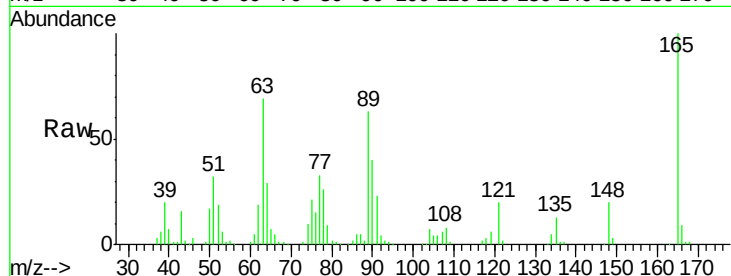




#51
 2,6-Dinitrotoluene
 Concen: 40.657 ng
 RT: 14.30 min Scan# 1909
 Delta R.T. 0.01 min
 Lab File: BG041351.D
 Acq: 20 Jun 2019 7:31

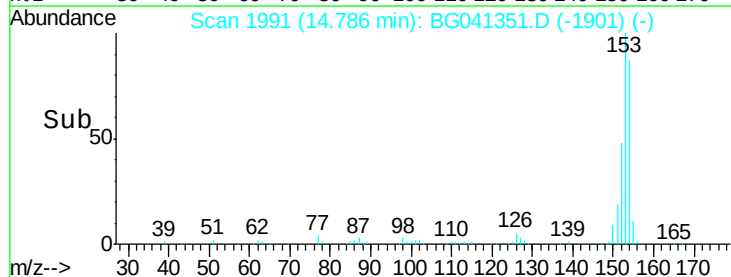
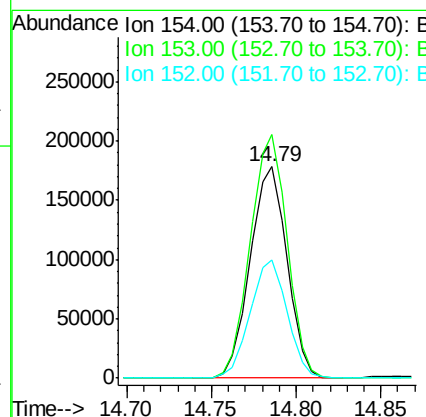
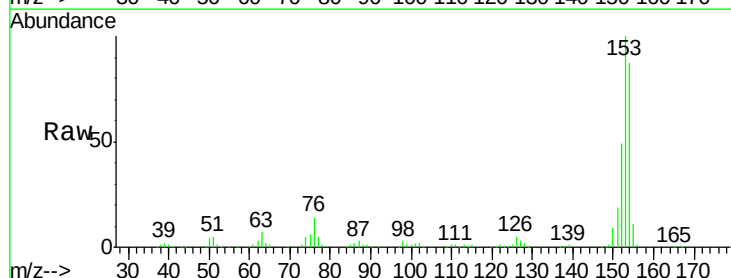
Instrument :
 BNA_G
 ClientSampled :

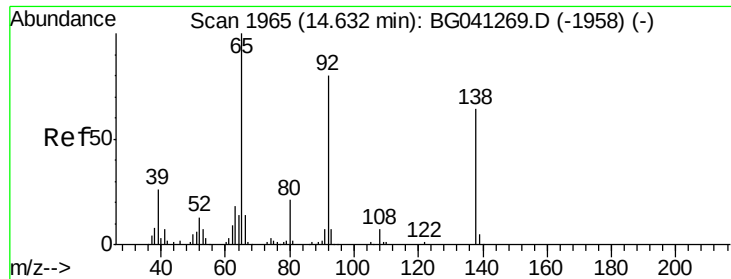
Tot Ion	Ratio	Lower	Upper
165	100		
63	68.8	55.4	83.0
89	63.3	56.5	84.7



#52
 Acenaphthene
 Concen: 41.836 ng
 RT: 14.79 min Scan# 1991
 Delta R.T. 0.00 min
 Lab File: BG041351.D
 Acq: 20 Jun 2019 7:31

Tgt Ion	Ratio	Lower	Upper
154	100		
153	115.2	96.6	145.0
152	56.2	45.5	68.3

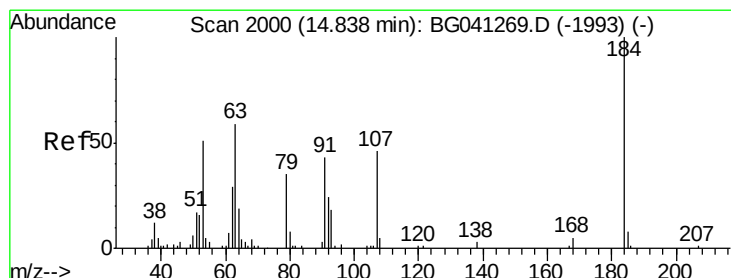
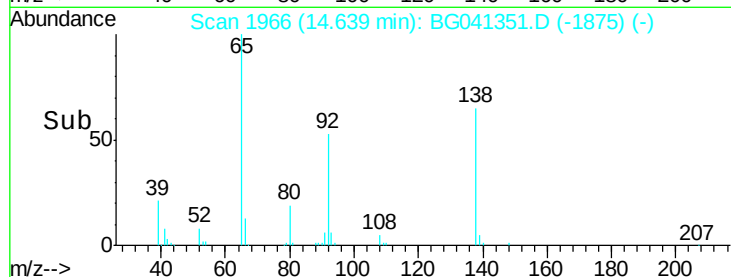
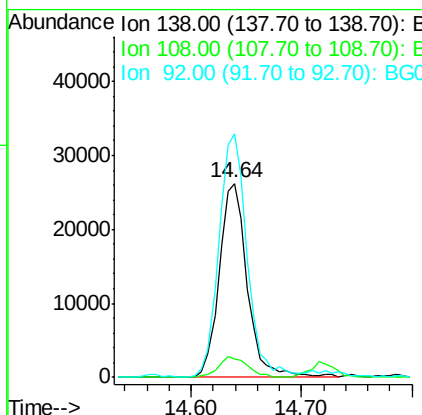
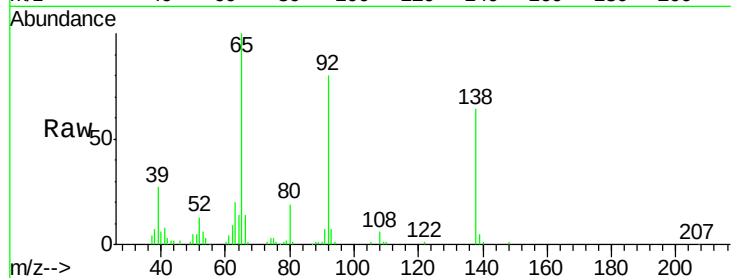




#53
3-Nitroaniline
Concen: 22.404 ng
RT: 14.64 min Scan# 1966
Delta R.T. 0.01 min
Lab File: BG041351.D
Acq: 20 Jun 2019 7:31

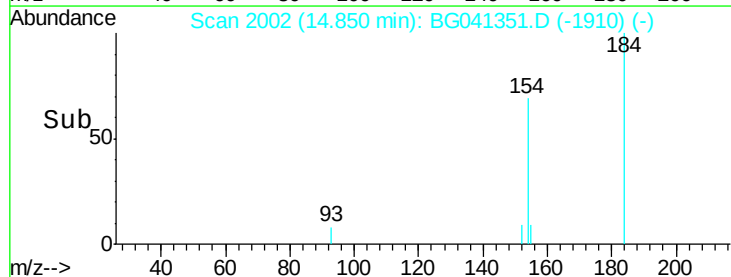
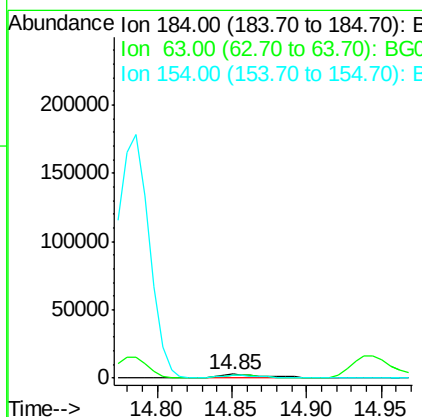
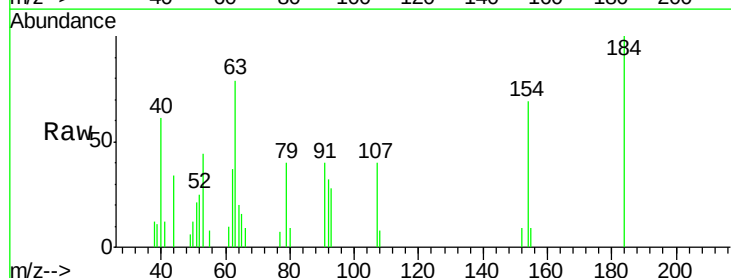
Instrument :
BNA_G
ClientSampled :

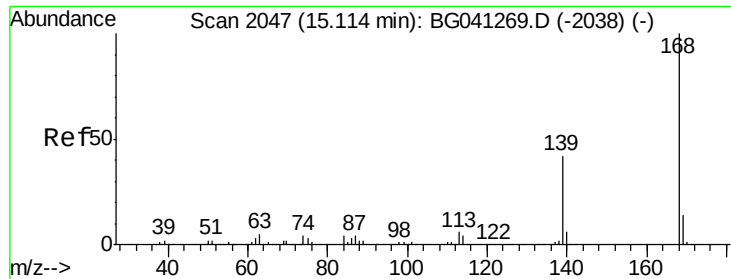
Tot Ion:138 Resp: 46254
Ion Ratio Lower Upper
138 100
108 9.7 8.3 12.5
92 125.3 100.2 150.4



#54
2,4-Dinitrophenol
Concen: 8.876 ng
RT: 14.85 min Scan# 2002
Delta R.T. 0.01 min
Lab File: BG041351.D
Acq: 20 Jun 2019 7:31

Tgt Ion:184 Resp: 6463
Ion Ratio Lower Upper
184 100
63 79.3 60.0 90.0
154 78.3 58.3 87.5

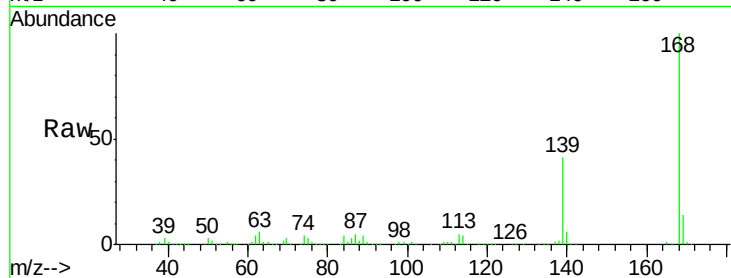




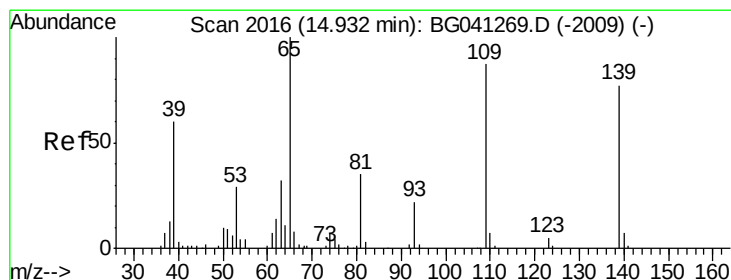
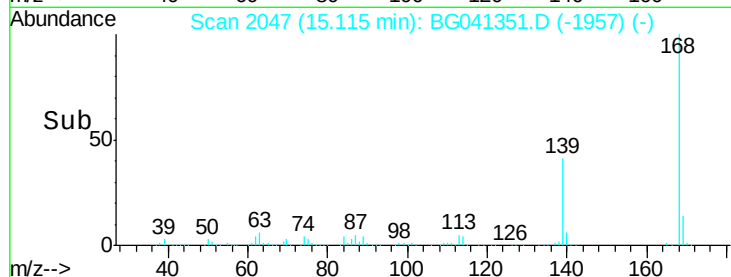
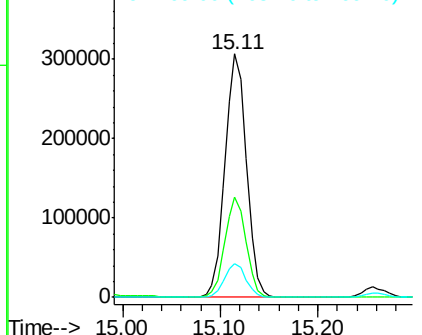
#55
Dibenzenofuran
Concen: 41.597 ng
RT: 15.11 min Scan# 2047
Delta R.T. 0.00 min
Lab File: BG041351.D
Acq: 20 Jun 2019 7:31

Instrument :
BNA_G
ClientSampleId :

Tot Ion:168 Resp: 468507
Ion Ratio Lower Upper
168 100
139 41.0 33.6 50.4
169 14.1 10.8 16.2

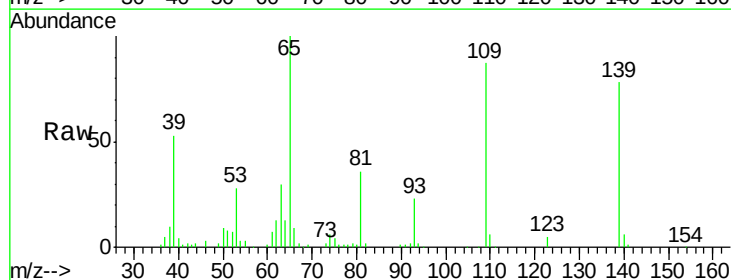


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

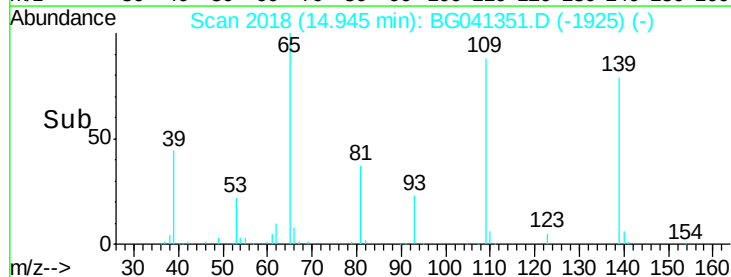
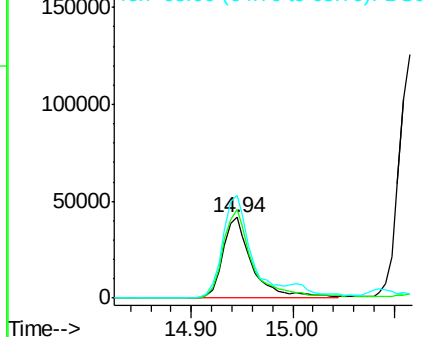


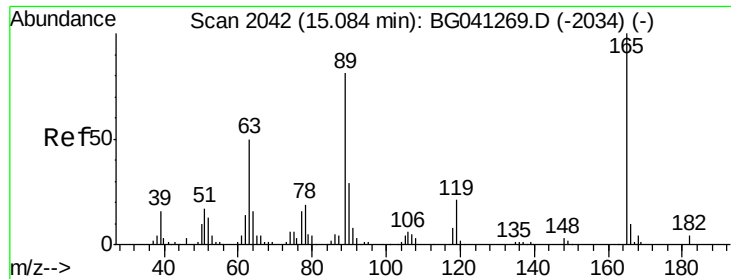
#56
4-Nitrophenol
Concen: 54.497 ng
RT: 14.94 min Scan# 2018
Delta R.T. 0.01 min
Lab File: BG041351.D
Acq: 20 Jun 2019 7:31

Tgt Ion:139 Resp: 83800
Ion Ratio Lower Upper
139 100
109 110.9 93.2 133.2
65 128.1 110.2 150.2



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): BGO

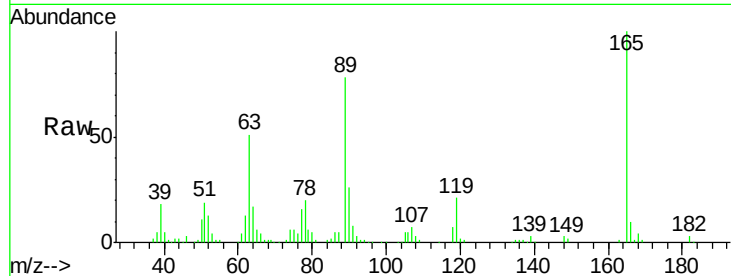




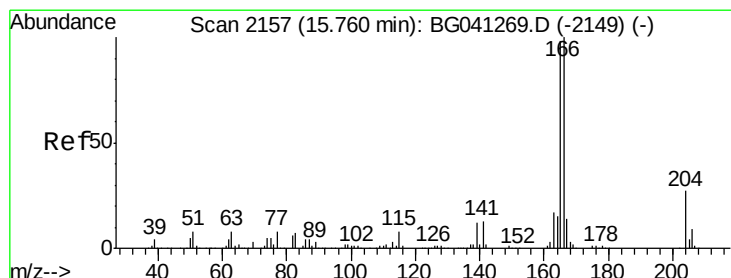
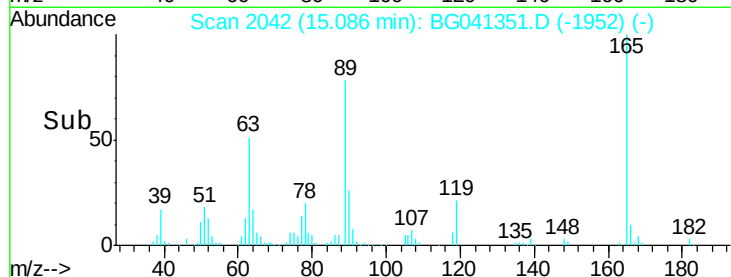
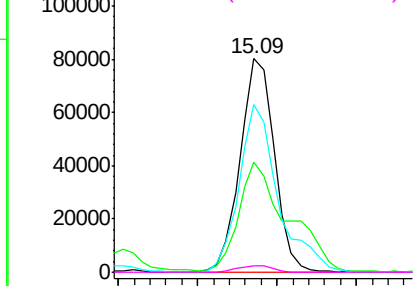
#57
 2,4-Dinitrotoluene
 Concen: 39.353 ng
 RT: 15.09 min Scan# 2042
 Delta R.T. 0.00 min
 Lab File: BG041351.D
 Acq: 20 Jun 2019 7:31

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:	165	Resp:	120547
Ion	Ratio	Lower	Upper
165	100		
63	51.4	40.0	60.0
89	78.5	64.6	96.8
182	3.0	2.9	4.3

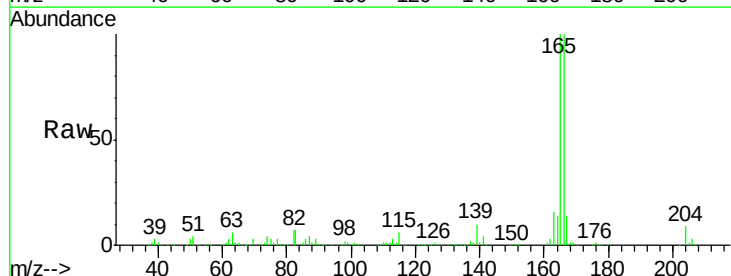


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

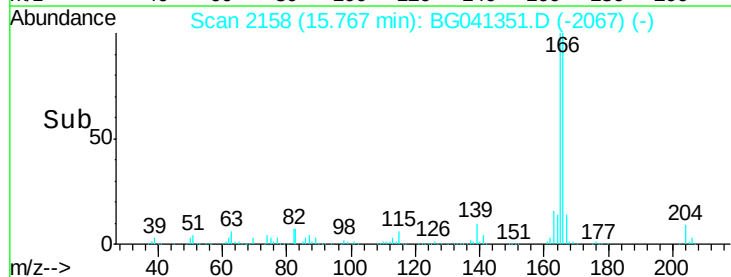
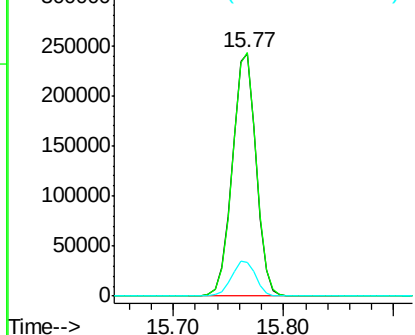


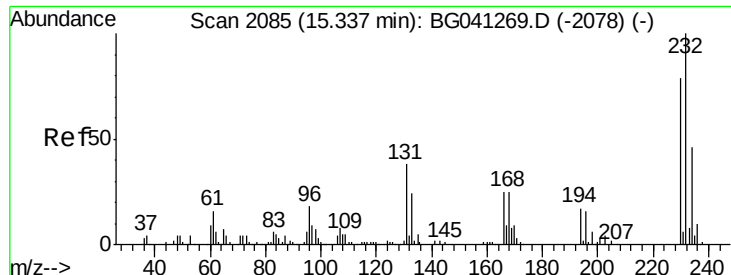
#58
 Fluorene
 Concen: 41.293 ng
 RT: 15.77 min Scan# 2158
 Delta R.T. 0.01 min
 Lab File: BG041351.D
 Acq: 20 Jun 2019 7:31

Tgt Ion:	166	Resp:	365859
Ion	Ratio	Lower	Upper
166	100		
165	100.3	78.8	118.2
167	14.0	11.3	16.9



Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

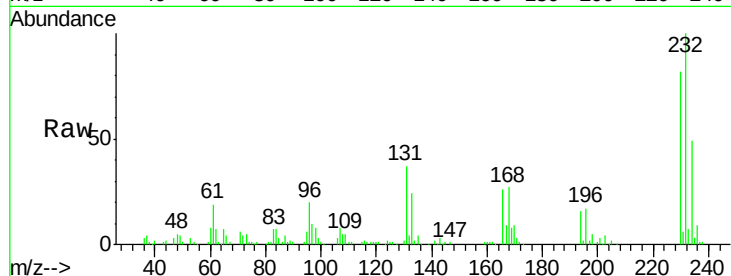




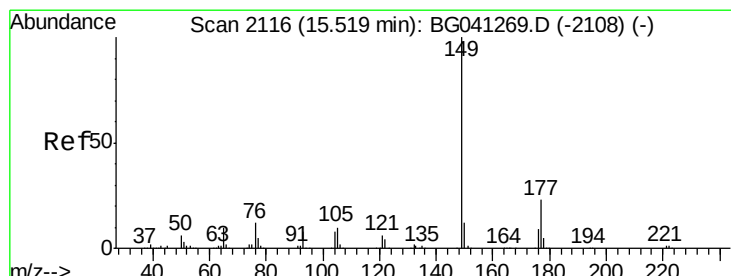
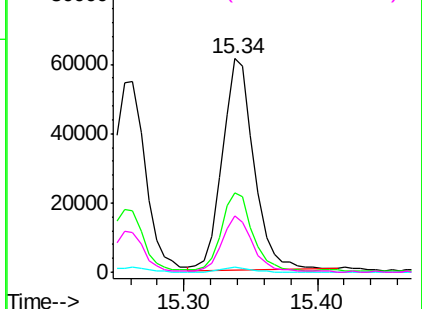
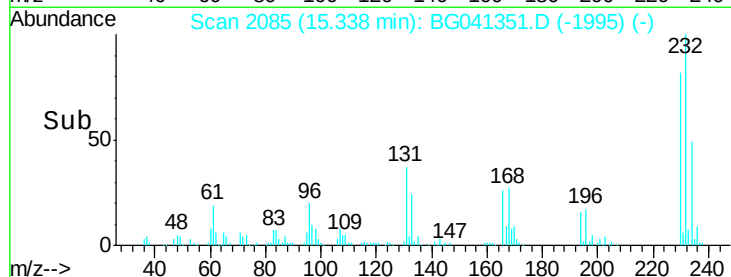
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 33.047 ng
 RT: 15.34 min Scan# 2085
 Delta R.T. 0.00 min
 Lab File: BG041351.D
 Acq: 20 Jun 2019 7:31

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:	232	Resp:	100327
Ion	Ratio	Lower	Upper
232	100		
131	37.0	29.0	43.6
130	2.3	1.6	2.4
166	26.8	21.0	31.4

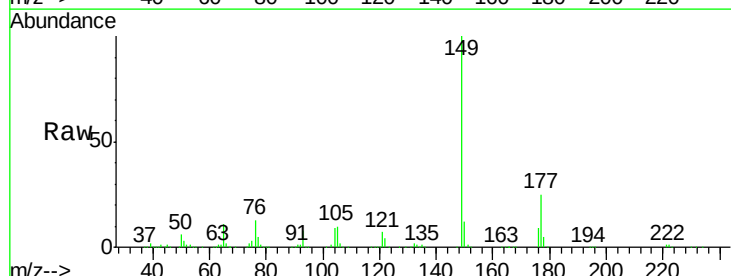


Abundance Ion 232.00 (231.70 to 232.70): E
 Ion 131.00 (130.70 to 131.70): E
 Ion 130.00 (129.70 to 130.70): E
 Ion 166.00 (165.70 to 166.70): E

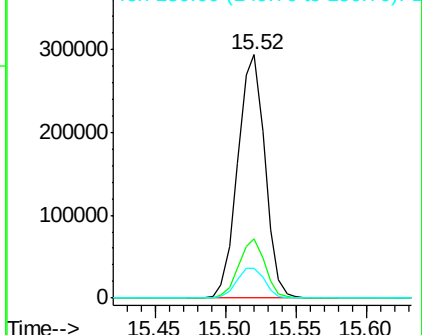
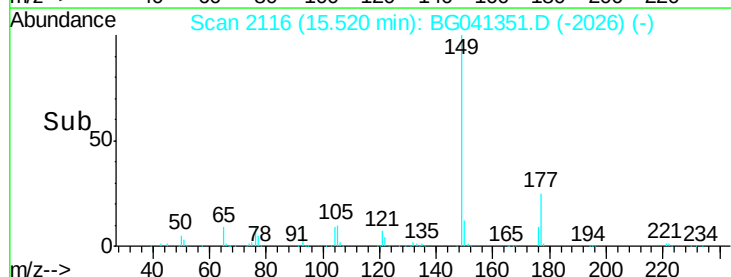


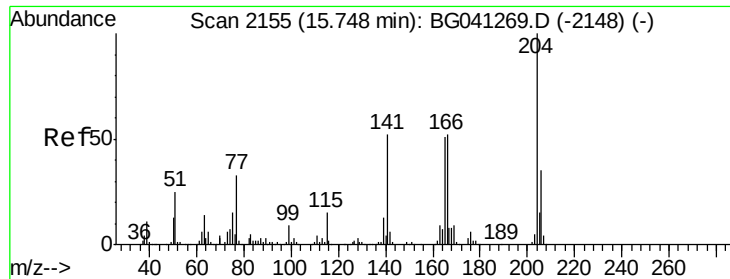
#60
 Diethylphthalate
 Concen: 39.066 ng
 RT: 15.52 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: BG041351.D
 Acq: 20 Jun 2019 7:31

Tgt Ion:	149	Resp:	394619
Ion	Ratio	Lower	Upper
149	100		
177	24.6	18.4	27.6
150	12.3	9.9	14.9



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 177.00 (176.70 to 177.70): E
 Ion 150.00 (149.70 to 150.70): E





#61

4-Chlorophenyl-phenylether

Concen: 40.039 ng

RT: 15.75 min Scan# 2155

Delta R.T. 0.00 min

Lab File: BG041351.D

Acq: 20 Jun 2019 7:31

Instrument :

BNA_G

ClientSampleId :

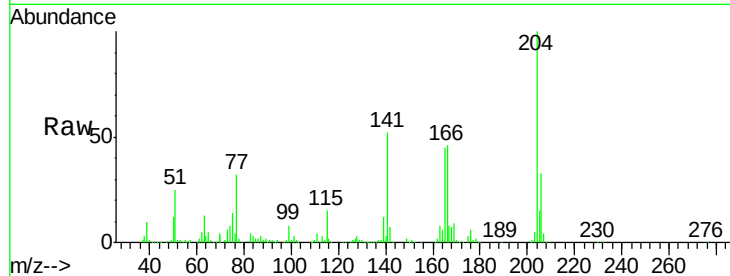
Tot Ion:204 Resp: 230811

Ion Ratio Lower Upper

204 100

206 32.7 27.9 41.9

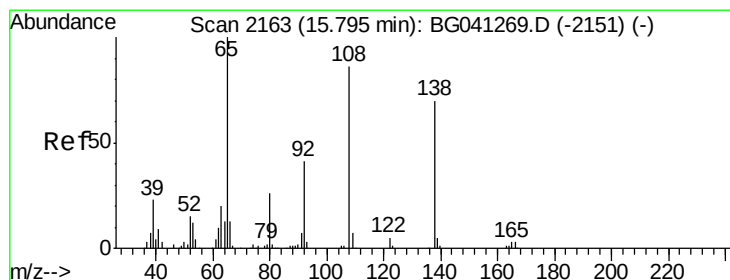
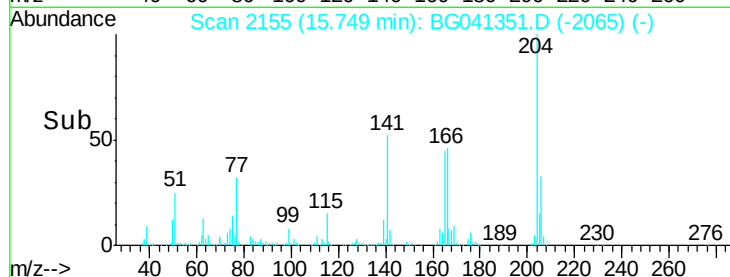
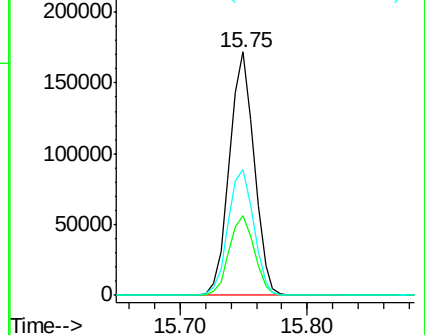
141 51.8 41.4 62.0



Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E



#62

4-Nitroaniline

Concen: 35.985 ng

RT: 15.80 min Scan# 2164

Delta R.T. 0.01 min

Lab File: BG041351.D

Acq: 20 Jun 2019 7:31

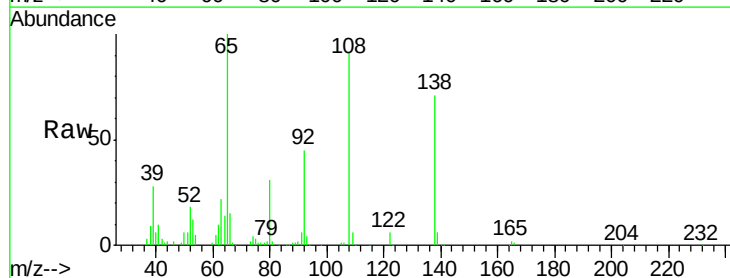
Tgt Ion:138 Resp: 79459

Ion Ratio Lower Upper

138 100

92 63.8 38.8 78.8

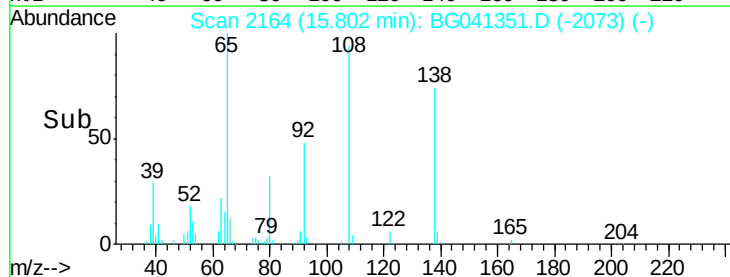
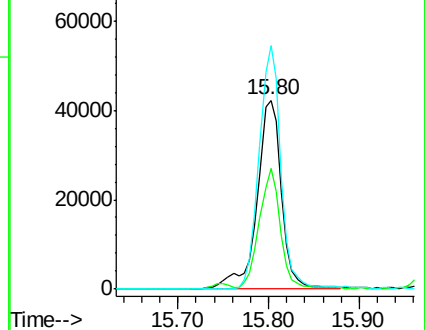
108 129.1 103.4 143.4

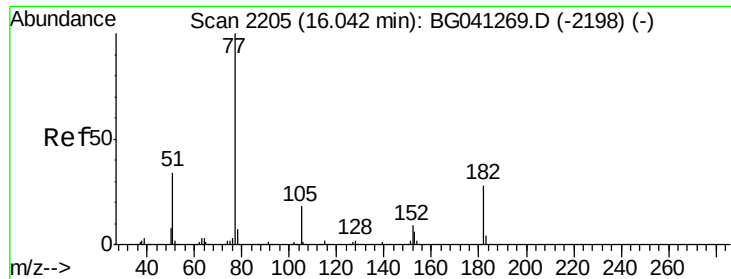


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BG

Ion 108.00 (107.70 to 108.70): E





#63

Azobenzene

Concen: 40.544 ng

RT: 16.04 min Scan# 2205

Delta R.T. 0.00 min

Lab File: BG041351.D

Acq: 20 Jun 2019 7:31

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 77 Resp: 365368

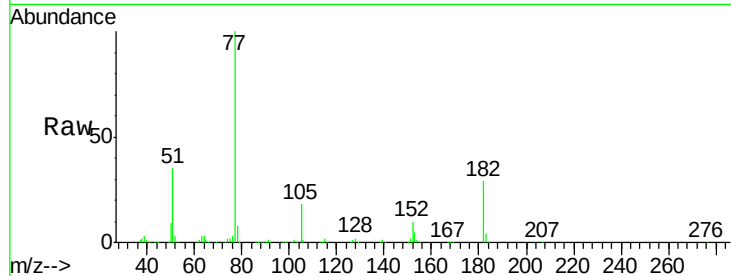
Ion Ratio Lower Upper

77 100

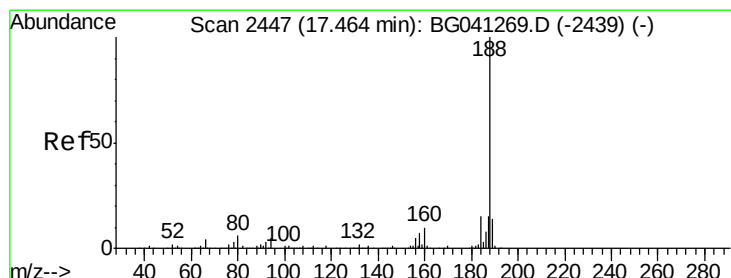
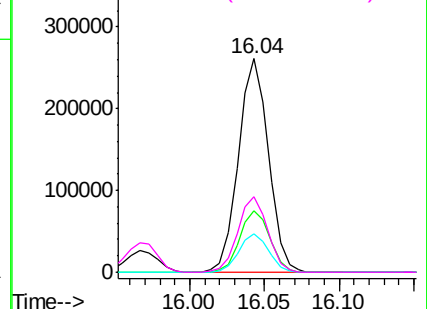
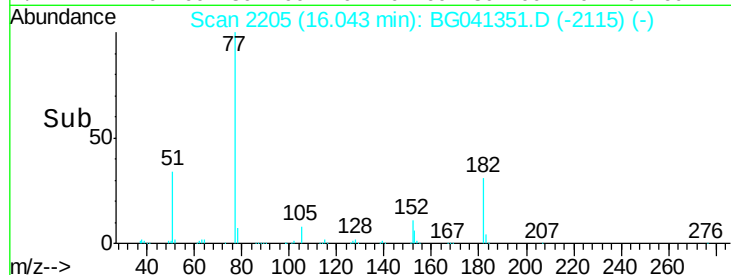
182 29.0 7.5 47.5

105 17.9 0.0 37.7

51 35.2 14.6 54.6



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



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.47 min Scan# 2447

Delta R.T. 0.00 min

Lab File: BG041351.D

Acq: 20 Jun 2019 7:31

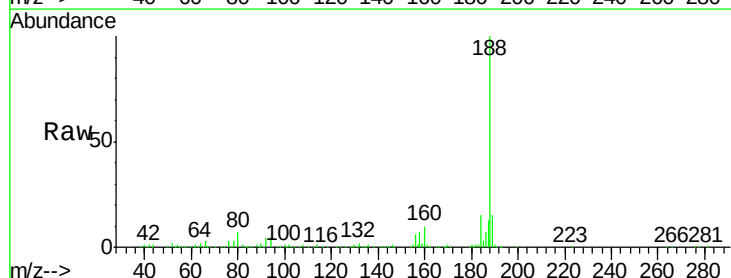
Tgt Ion: 188 Resp: 269941

Ion Ratio Lower Upper

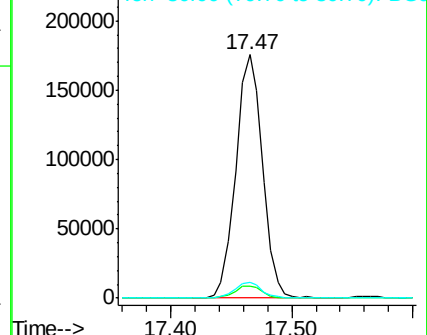
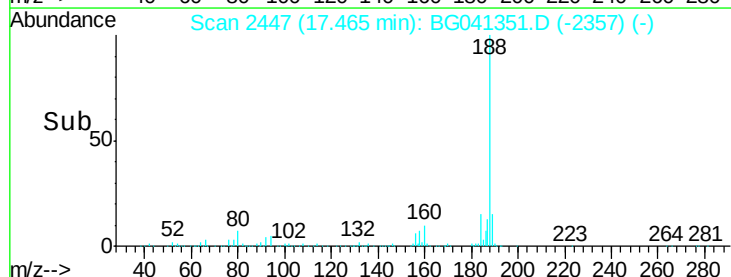
188 100

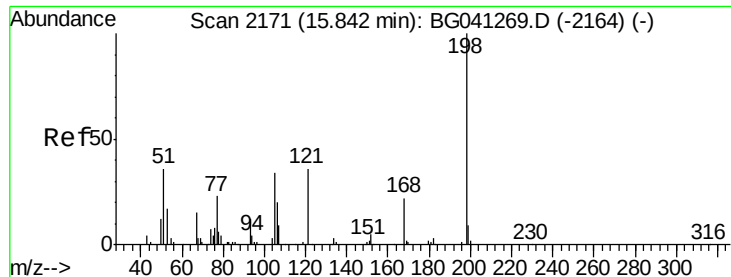
94 5.1 3.6 5.4

80 6.6 4.8 7.2



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





#65

4,6-Dinitro-2-methylphenol

Concen: 5.546 ng

RT: 15.85 min Scan# 2172

Delta R.T. 0.01 min

Lab File: BG041351.D

Acq: 20 Jun 2019 7:31

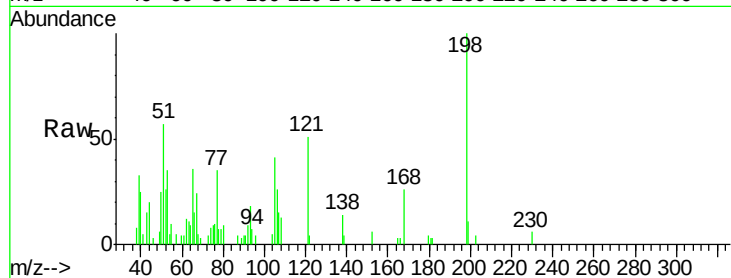
Instrument :

BNA_G

ClientSampleId :

Tot Ion:198 Resp: 9717

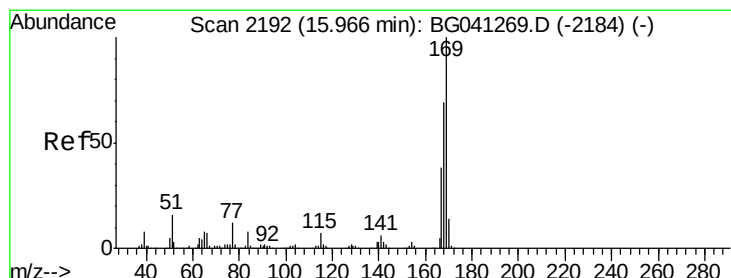
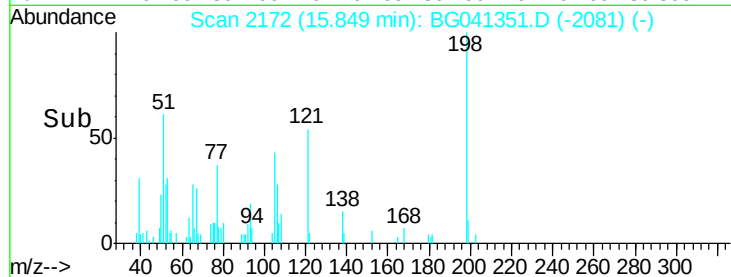
Ion	Ratio	Lower	Upper
198	100		
51	57.1	23.4	63.4
105	40.8	15.8	55.8



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



#66

n-Nitrosodiphenylamine

Concen: 45.864 ng

RT: 15.97 min Scan# 2192

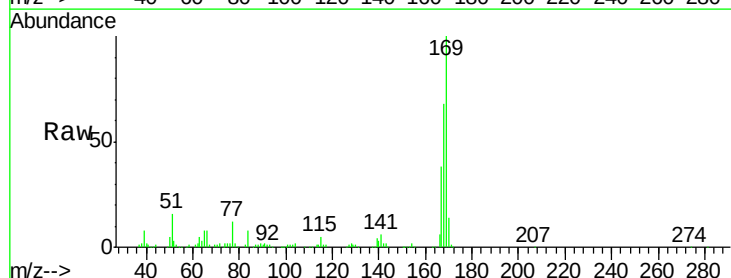
Delta R.T. 0.00 min

Lab File: BG041351.D

Acq: 20 Jun 2019 7:31

Tgt Ion:169 Resp: 328732

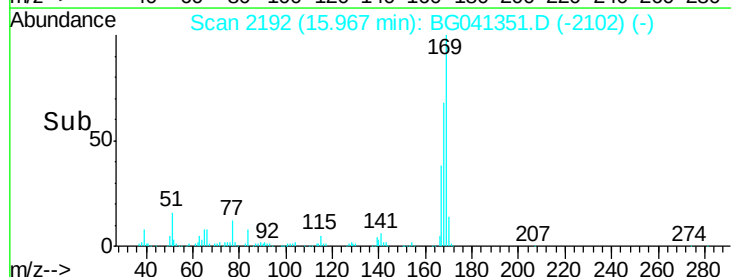
Ion	Ratio	Lower	Upper
169	100		
168	68.1	55.2	82.8
167	37.7	30.4	45.6

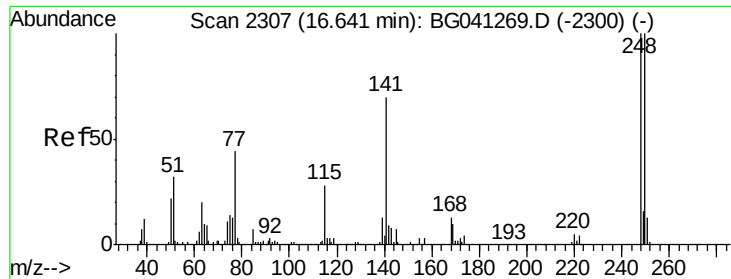


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

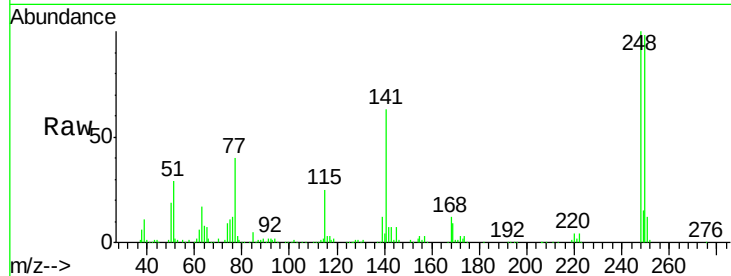




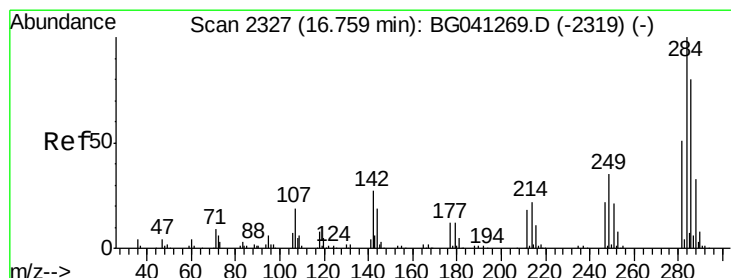
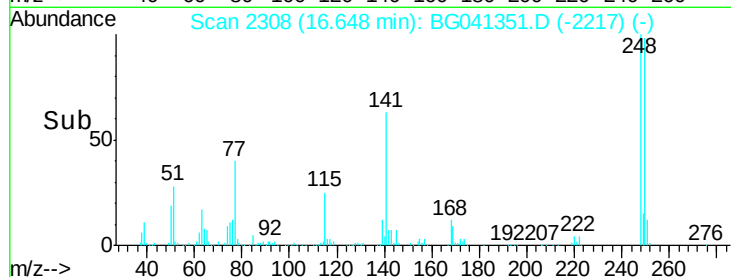
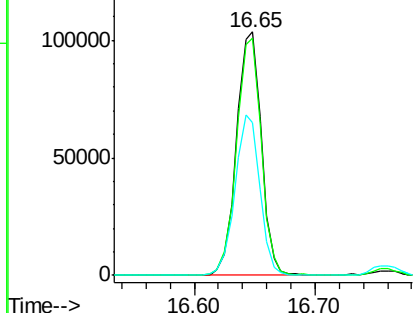
#67
4-Bromophenyl-phenylether
Concen: 42.491 ng
RT: 16.65 min Scan# 2308
Delta R.T. 0.01 min
Lab File: BG041351.D
Acq: 20 Jun 2019 7:31

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 148311
Ion Ratio Lower Upper
248 100
250 97.6 79.8 119.8
141 62.7 55.8 83.6

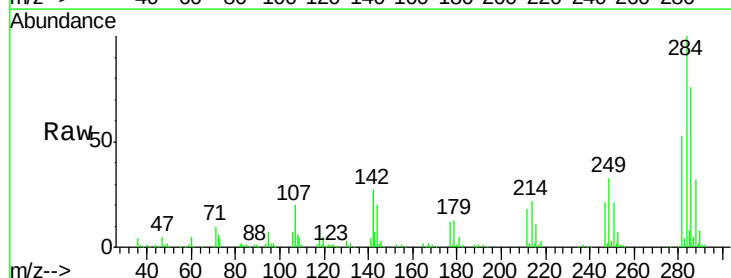


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

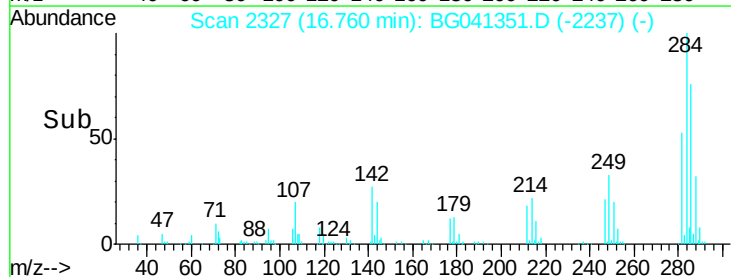
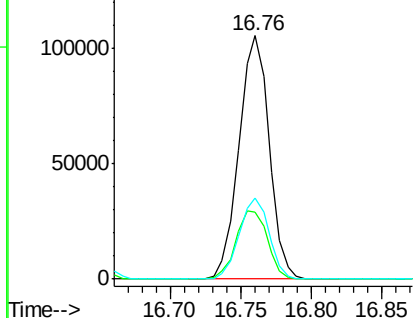


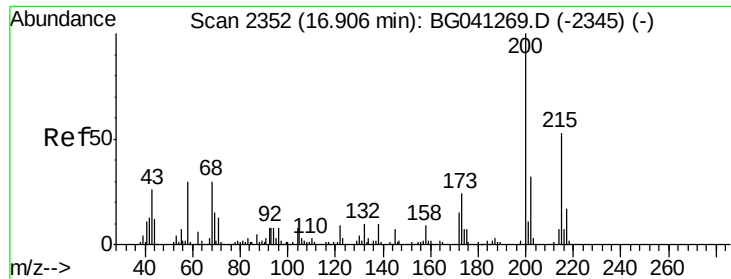
#68
Hexachlorobenzene
Concen: 42.295 ng
RT: 16.76 min Scan# 2327
Delta R.T. 0.00 min
Lab File: BG041351.D
Acq: 20 Jun 2019 7:31

Tgt Ion:284 Resp: 158083
Ion Ratio Lower Upper
284 100
142 27.4 21.8 32.8
249 33.3 27.8 41.6



Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E





#69

Atrazine

Concen: Below Cal

RT: 16.91 min Scan# 2352

Delta R.T. 0.00 min

Lab File: BG041351.D

Acq: 20 Jun 2019 7:31

Instrument :

BNA_G

ClientSampled :

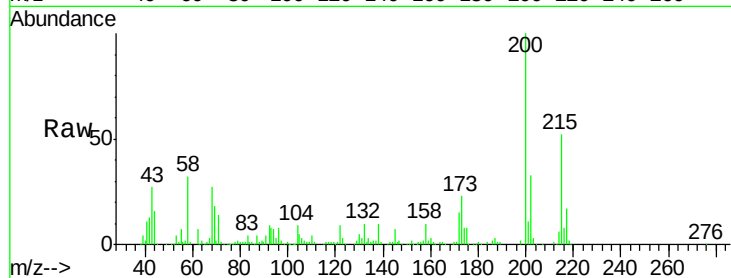
Tot Ion:200 Resp: 139459

Ion Ratio Lower Upper

200 100

173 23.3 4.0 44.0

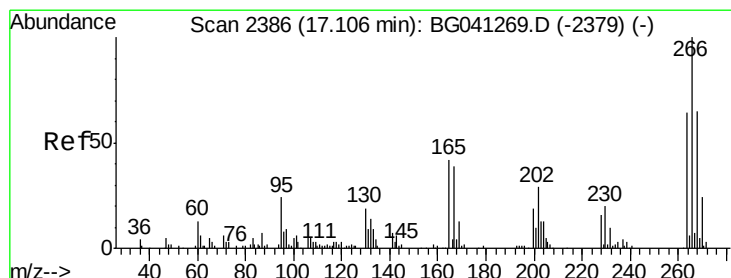
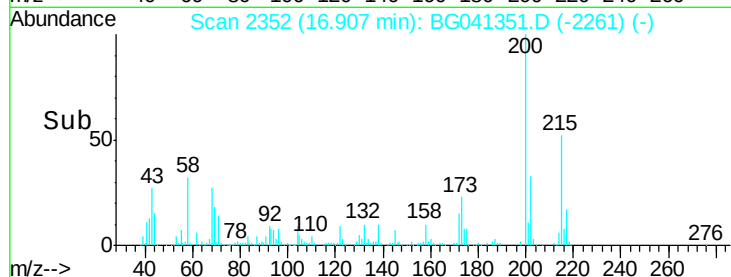
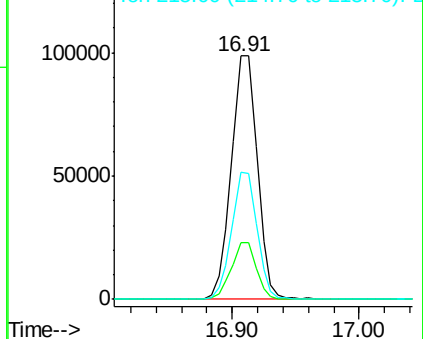
215 52.3 33.4 73.4



Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#70

Pentachlorophenol

Concen: 33.787 ng

RT: 17.11 min Scan# 2387

Delta R.T. 0.01 min

Lab File: BG041351.D

Acq: 20 Jun 2019 7:31

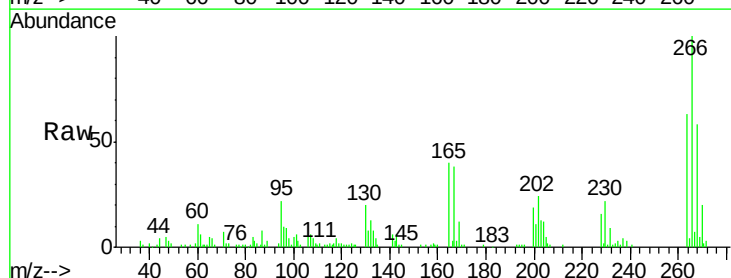
Tgt Ion:266 Resp: 64665

Ion Ratio Lower Upper

266 100

268 57.6 52.0 78.0

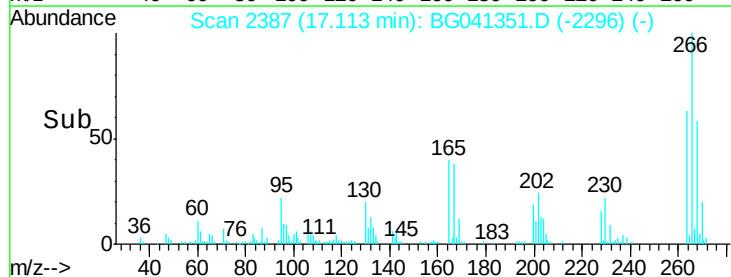
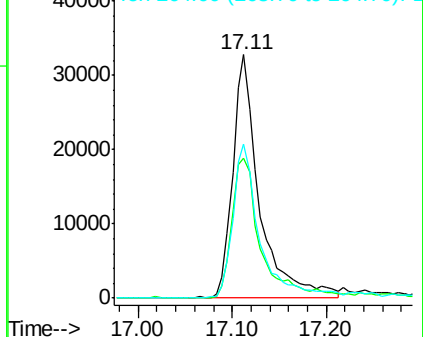
264 67.8 51.2 76.8

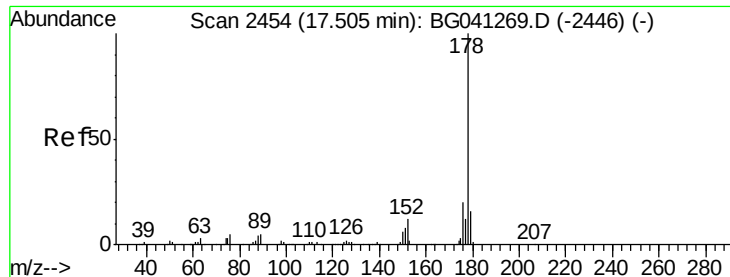


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#71

Phenanthrene

Concen: 42.792 ng

RT: 17.51 min Scan# 2455

Delta R.T. 0.01 min

Lab File: BG041351.D

Acq: 20 Jun 2019 7:31

Instrument :

BNA_G

ClientSampled :

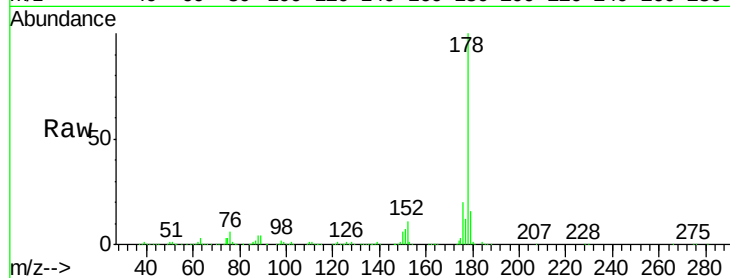
Tot Ion:178 Resp: 616070

Ion Ratio Lower Upper

178 100

176 20.1 16.1 24.1

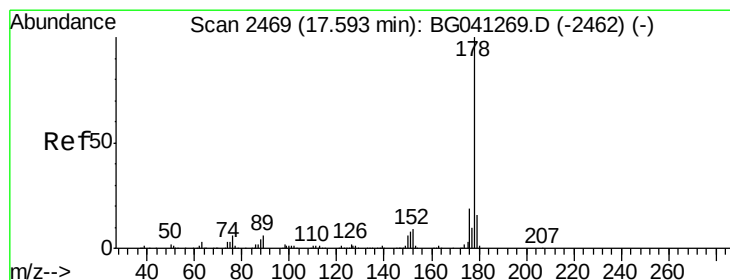
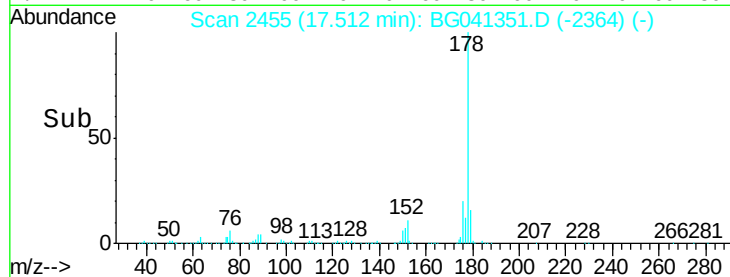
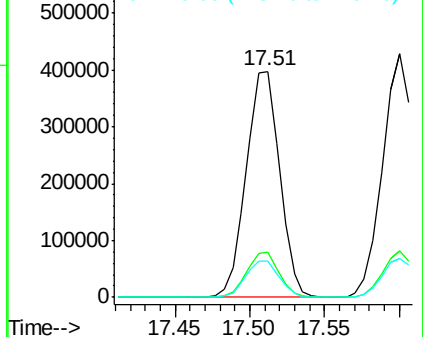
179 16.2 12.9 19.3



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 44.002 ng

RT: 17.60 min Scan# 2470

Delta R.T. 0.01 min

Lab File: BG041351.D

Acq: 20 Jun 2019 7:31

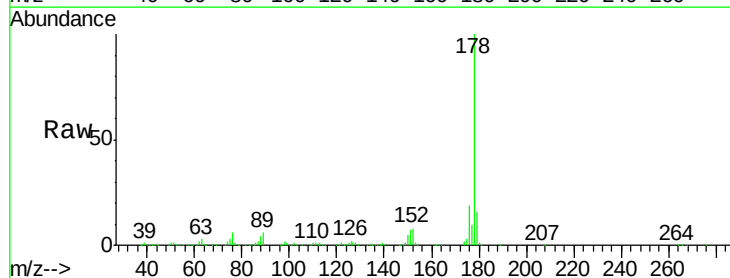
Tgt Ion:178 Resp: 624541

Ion Ratio Lower Upper

178 100

176 19.3 15.4 23.2

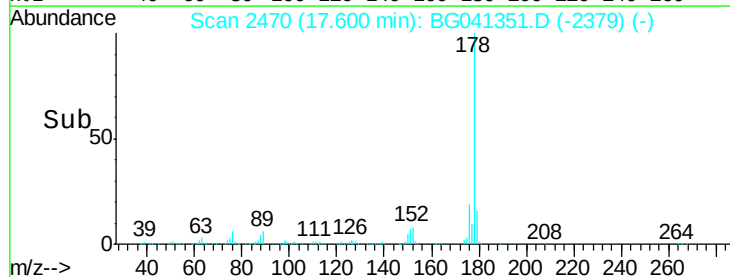
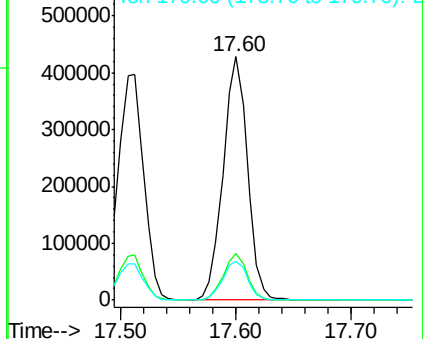
179 16.0 13.0 19.4

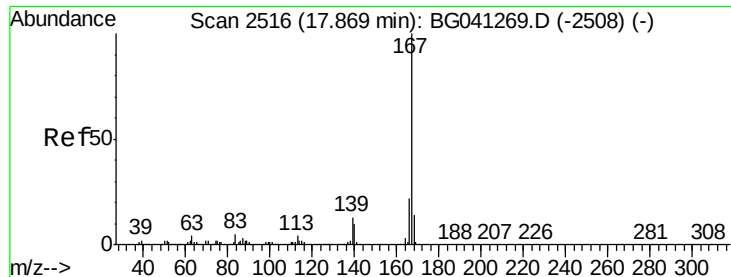


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

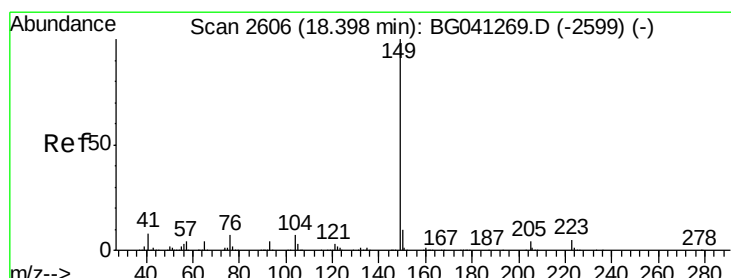
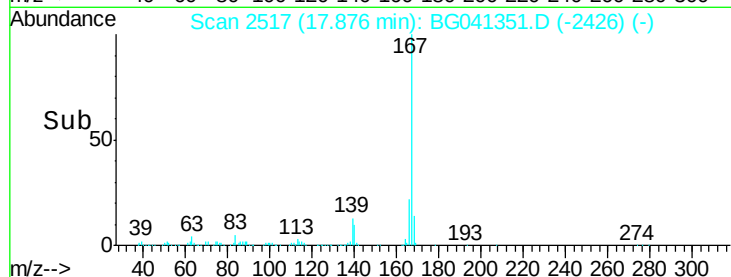
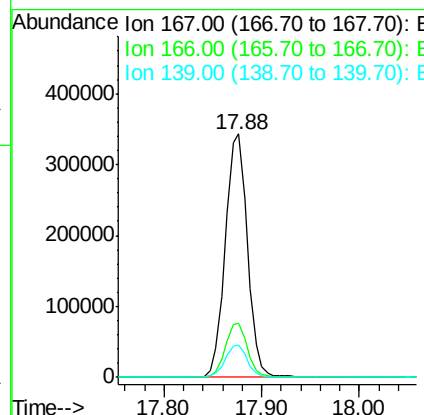
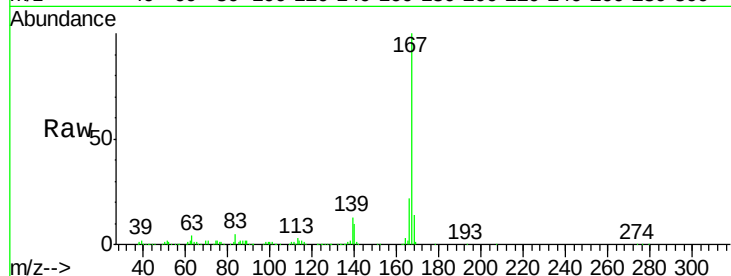




#73
 Carbazole
 Concen: 43.516 ng
 RT: 17.88 min Scan# 2517
 Delta R.T. 0.01 min
 Lab File: BG041351.D
 Acq: 20 Jun 2019 7:31

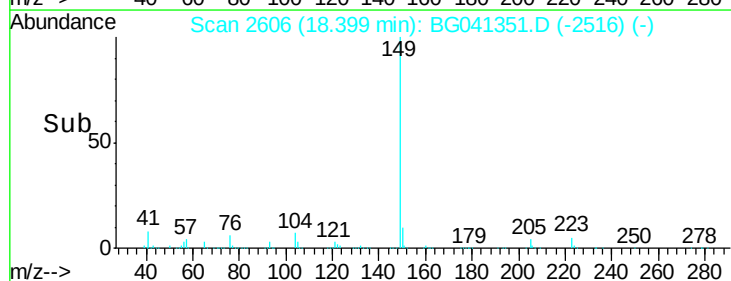
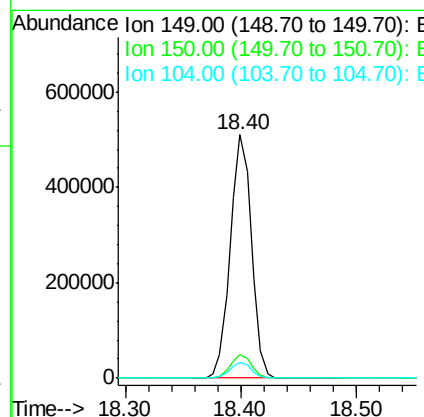
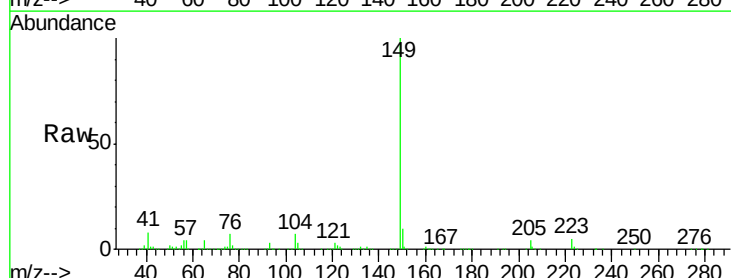
Instrument :
 BNA_G
 ClientSampleId :

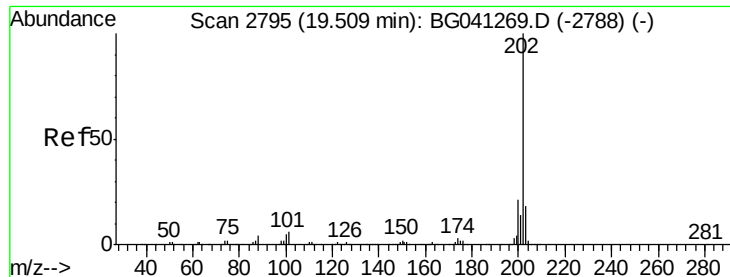
Tot Ion:167 Resp: 540302
 Ion Ratio Lower Upper
 167 100
 166 22.5 17.9 26.9
 139 13.4 10.7 16.1



#74
 Di-n-butylphthalate
 Concen: 41.826 ng
 RT: 18.40 min Scan# 2606
 Delta R.T. 0.00 min
 Lab File: BG041351.D
 Acq: 20 Jun 2019 7:31

Tgt Ion:149 Resp: 647977
 Ion Ratio Lower Upper
 149 100
 150 9.7 8.1 12.1
 104 6.7 5.4 8.0





#75

Fluoranthene

Concen: 41.047 ng

RT: 19.51 min Scan# 2795

Delta R.T. 0.00 min

Lab File: BG041351.D

Acq: 20 Jun 2019 7:31

Instrument :

BNA_G

ClientSampleId :

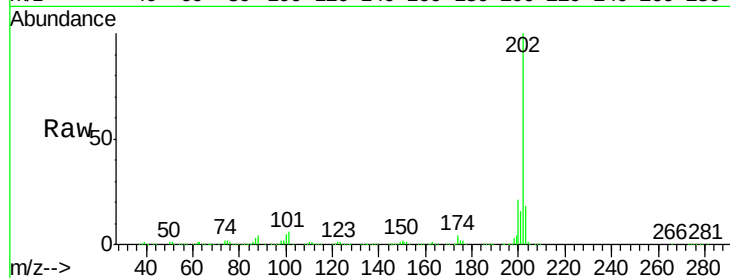
Tot Ion:202 Resp: 785078

Ion Ratio Lower Upper

202 100

101 6.1 0.0 26.0

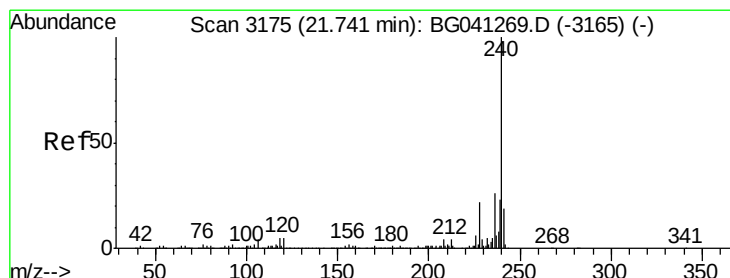
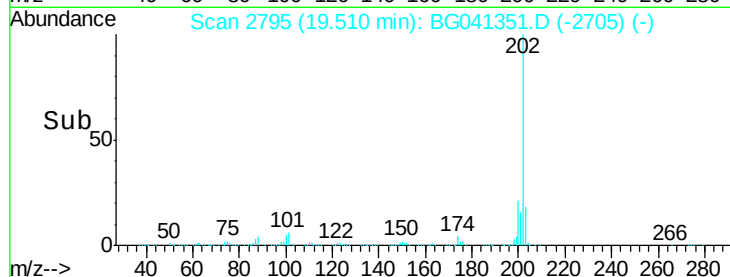
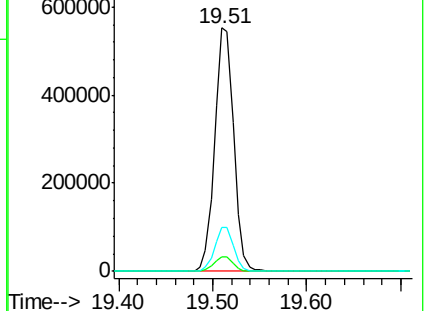
203 18.1 0.0 37.7



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.75 min Scan# 3176

Delta R.T. 0.01 min

Lab File: BG041351.D

Acq: 20 Jun 2019 7:31

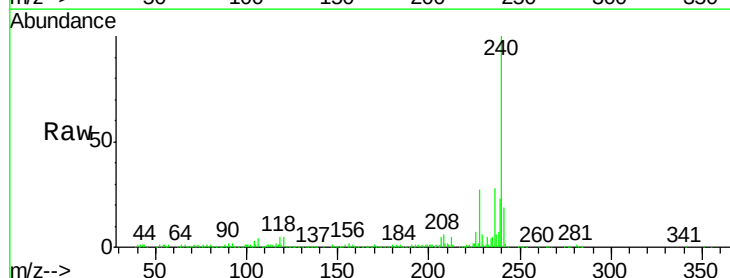
Tgt Ion:240 Resp: 260612

Ion Ratio Lower Upper

240 100

120 4.8 3.7 5.5

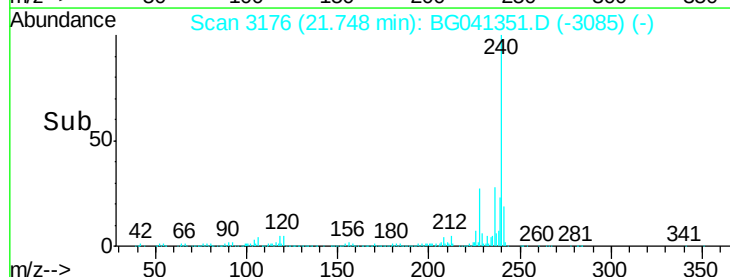
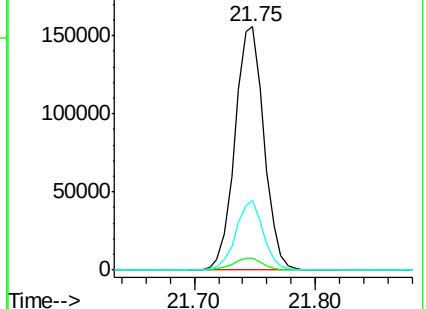
236 28.4 21.1 31.7

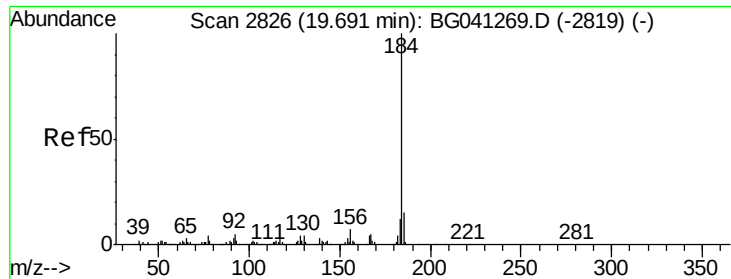


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 18.647 ng

RT: 19.70 min Scan# 2827

Delta R.T. 0.01 min

Lab File: BG041351.D

Acq: 20 Jun 2019 7:31

Instrument :

BNA_G

ClientSampled :

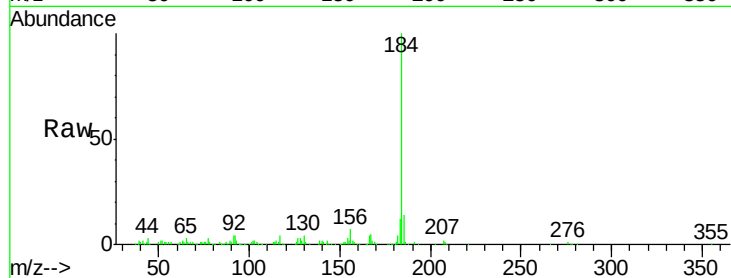
Tot Ion:184 Resp: 117544

Ion Ratio Lower Upper

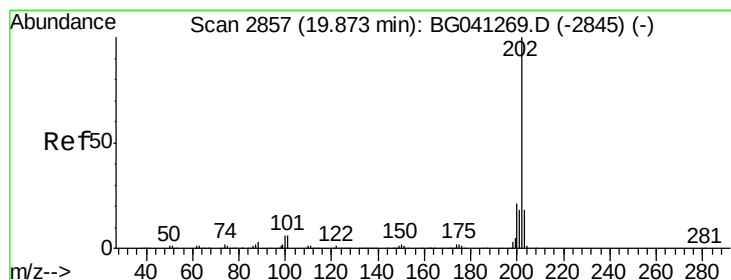
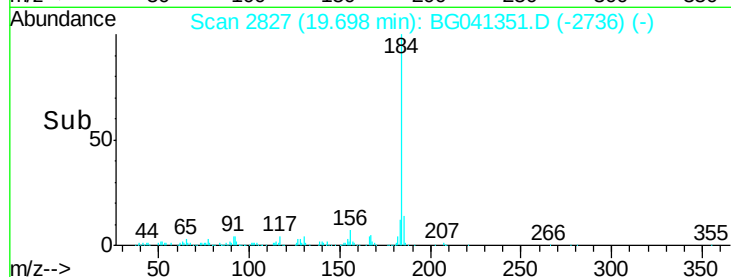
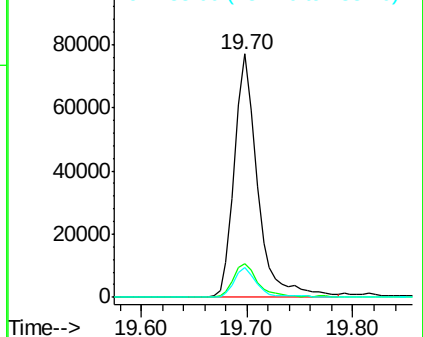
184 100

185 13.8 12.2 18.2

183 12.3 9.6 14.4



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



#78

Pyrene

Concen: 44.495 ng

RT: 19.87 min Scan# 2857

Delta R.T. 0.00 min

Lab File: BG041351.D

Acq: 20 Jun 2019 7:31

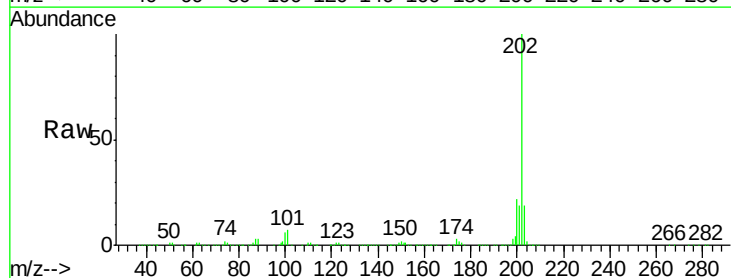
Tgt Ion:202 Resp: 782041

Ion Ratio Lower Upper

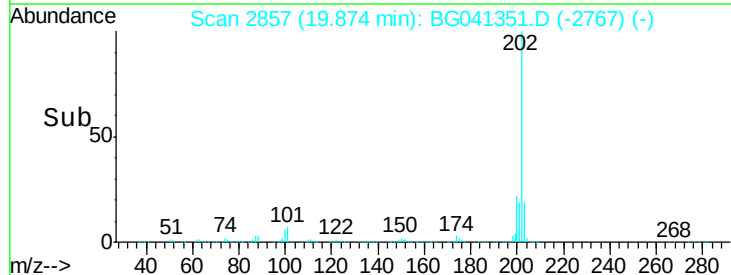
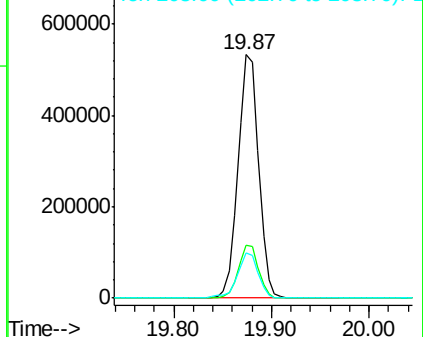
202 100

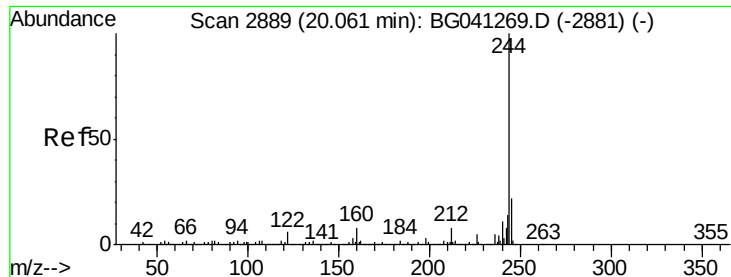
200 21.7 16.8 25.2

203 18.7 14.6 21.8



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





#79

Terphenyl-d14

Concen: 88.098 ng

RT: 20.06 min Scan# 2889

Delta R.T. 0.00 min

Lab File: BG041351.D

Acq: 20 Jun 2019 7:31

Instrument :

BNA_G

ClientSampleId :

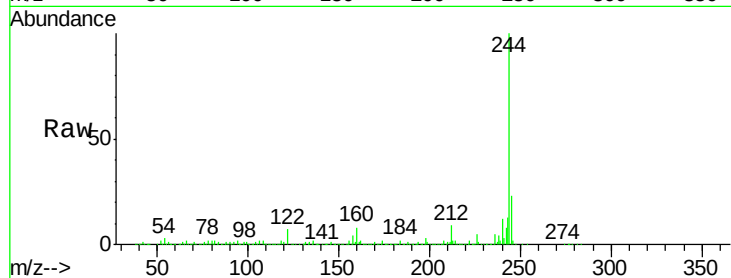
Tot Ion:244 Resp: 1158521

Ion	Ratio	Lower	Upper
244	100		
212	9.1	6.6	10.0
122	6.7	5.0	7.4

244 100

212 9.1 6.6 10.0

122 6.7 5.0 7.4



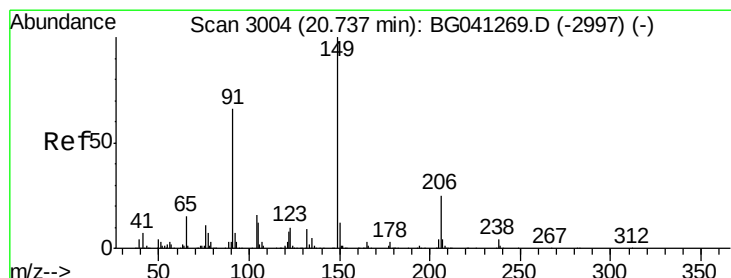
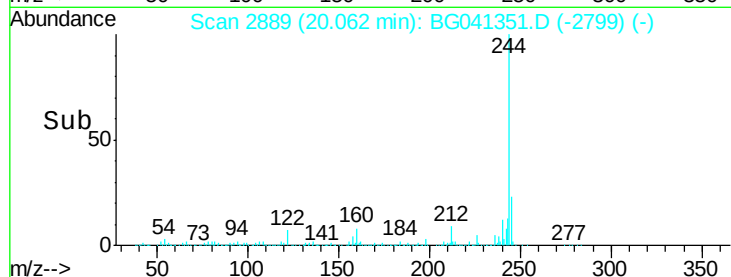
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

20.06

Time-->



#80

Butylbenzylphthalate

Concen: 44.014 ng

RT: 20.74 min Scan# 3004

Delta R.T. 0.00 min

Lab File: BG041351.D

Acq: 20 Jun 2019 7:31

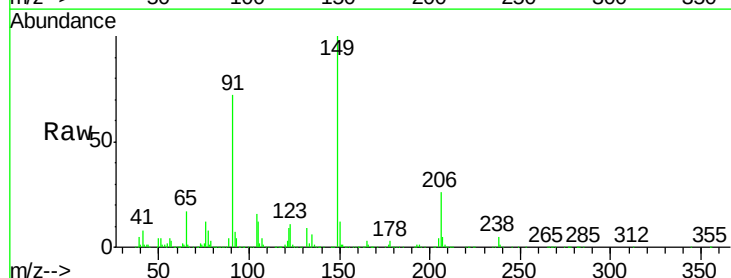
Tgt Ion:149 Resp: 292606

Ion	Ratio	Lower	Upper
149	100		
91	72.0	53.2	79.8
206	25.6	20.3	30.5

149 100

91 72.0 53.2 79.8

206 25.6 20.3 30.5



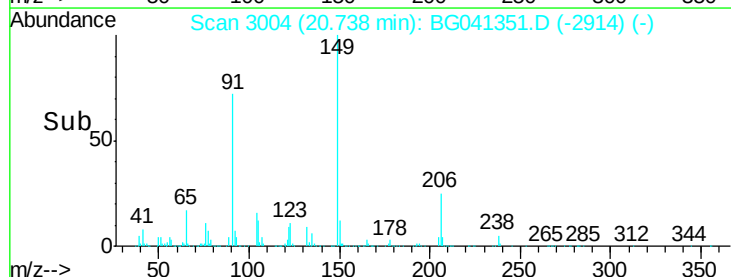
Abundance Ion 149.00 (148.70 to 149.70): E

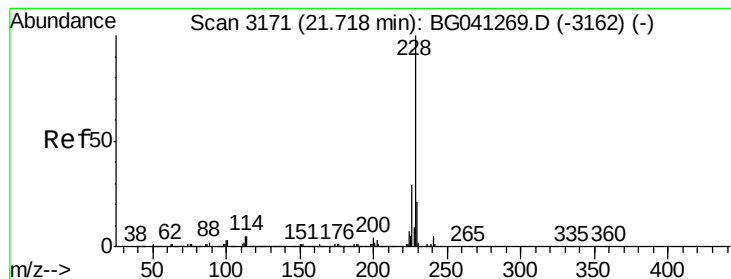
Ion 91.00 (90.70 to 91.70): BG0

Ion 206.00 (205.70 to 206.70): E

20.74

Time-->





#81

Benzo(a)anthracene

Concen: 42.847 ng

RT: 21.72 min Scan# 3172

Delta R.T. 0.01 min

Lab File: BG041351.D

Acq: 20 Jun 2019 7:31

Instrument :

BNA_G

ClientSampleId :

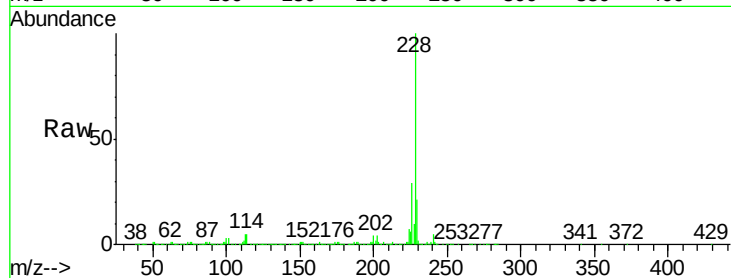
Tot Ion:228 Resp: 756069

Ion	Ratio	Lower	Upper
228	100		
226	28.9	23.2	34.8
229	20.8	16.8	25.2

228 100

226 28.9 23.2 34.8

229 20.8 16.8 25.2

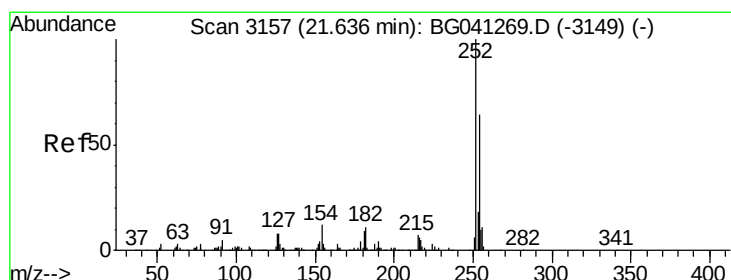
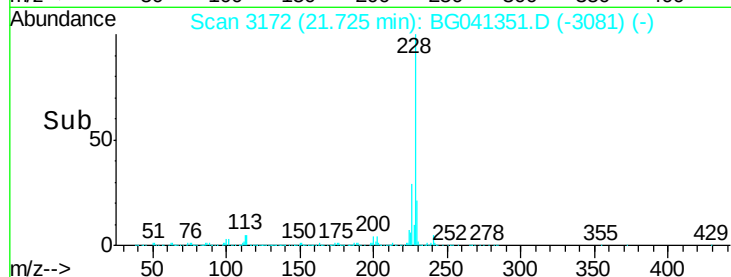
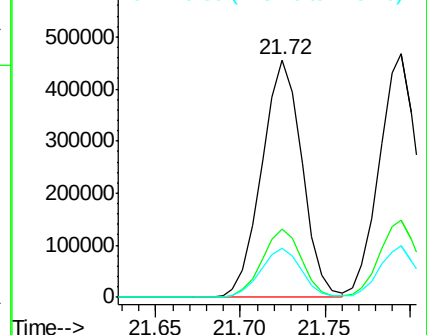


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 21.650 ng

RT: 21.64 min Scan# 3157

Delta R.T. 0.00 min

Lab File: BG041351.D

Acq: 20 Jun 2019 7:31

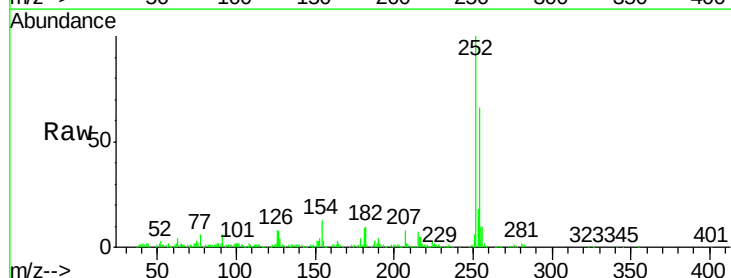
Tgt Ion:252 Resp: 134106

Ion	Ratio	Lower	Upper
252	100		
254	66.3	51.4	77.0
126	7.9	6.0	9.0

252 100

254 66.3 51.4 77.0

126 7.9 6.0 9.0

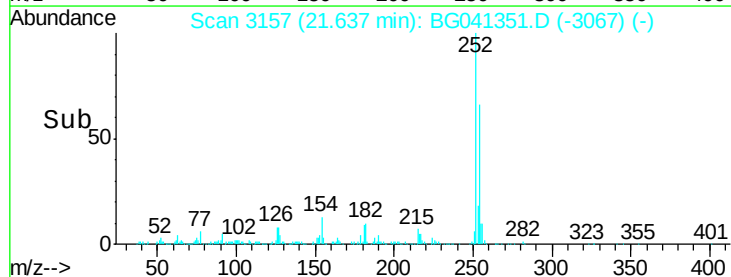
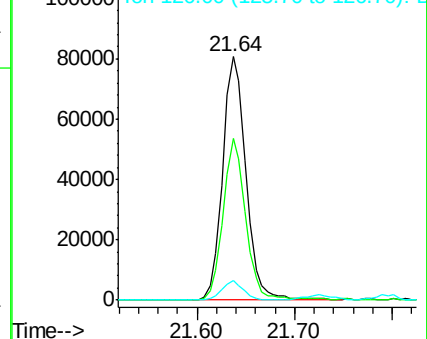


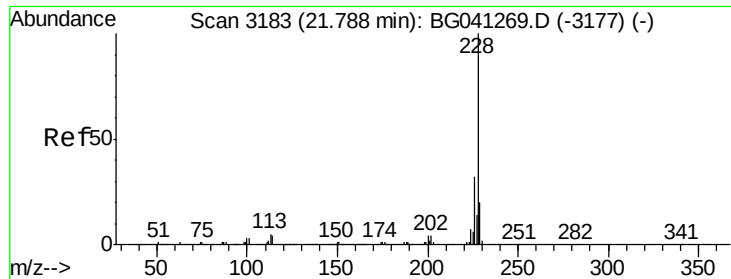
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#83

Chrysene

Concen: 43.362 ng

RT: 21.80 min Scan# 3184

Delta R.T. 0.01 min

Lab File: BG041351.D

Acq: 20 Jun 2019 7:31

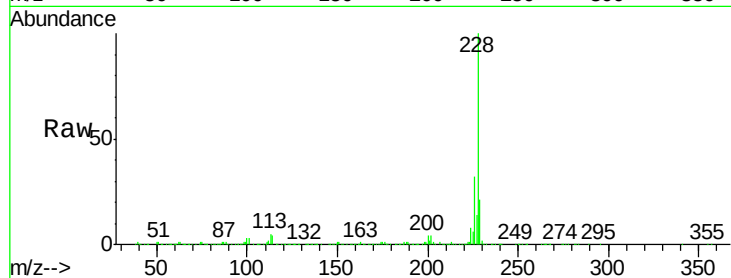
Instrument :

BNA_G

ClientSampleId :

Tot Ion:228 Resp: 735840

Ion	Ratio	Lower	Upper
228	100		
226	31.8	25.4	38.0
229	21.0	16.2	24.2

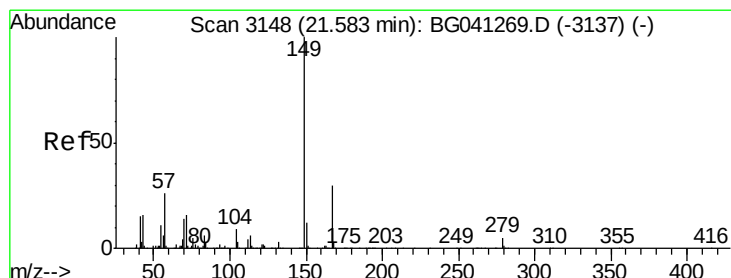
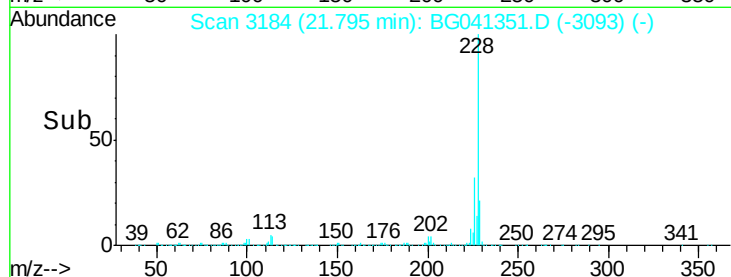
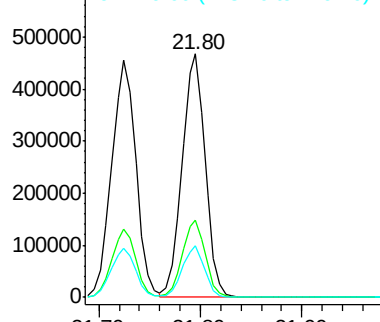


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 44.032 ng

RT: 21.59 min Scan# 3149

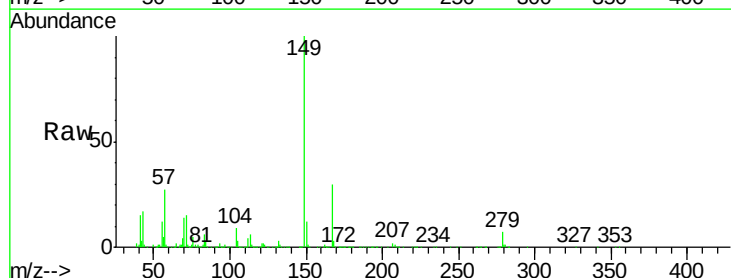
Delta R.T. 0.01 min

Lab File: BG041351.D

Acq: 20 Jun 2019 7:31

Tgt Ion:149 Resp: 398920

Ion	Ratio	Lower	Upper
149	100		
167	29.8	23.8	35.8
279	6.7	4.4	6.6#

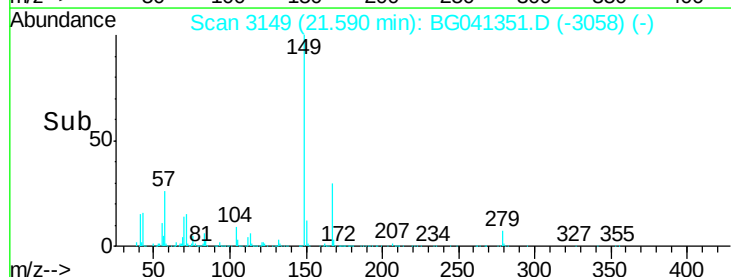
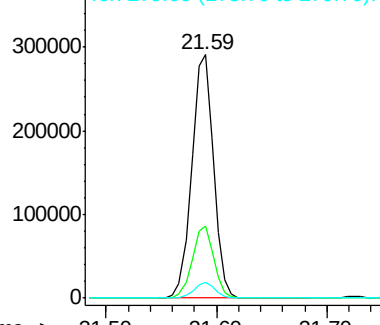


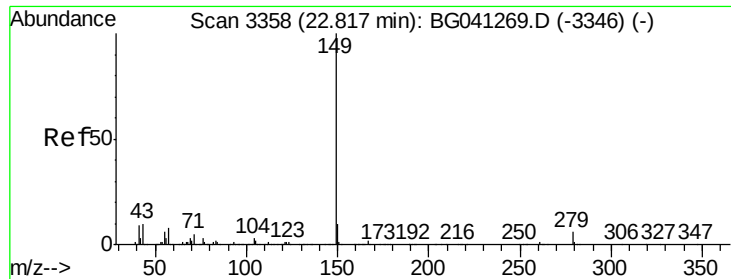
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

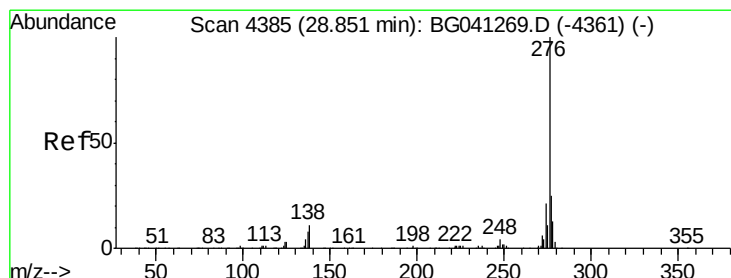
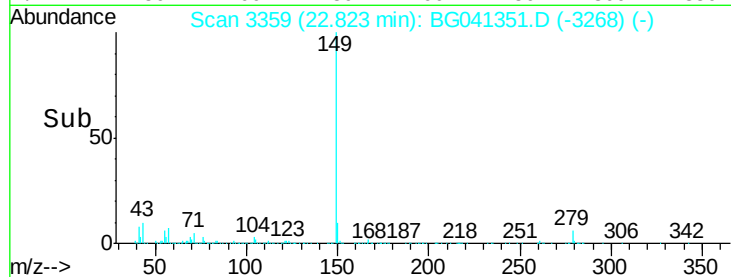
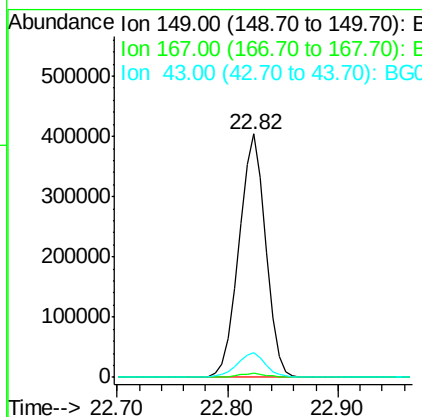
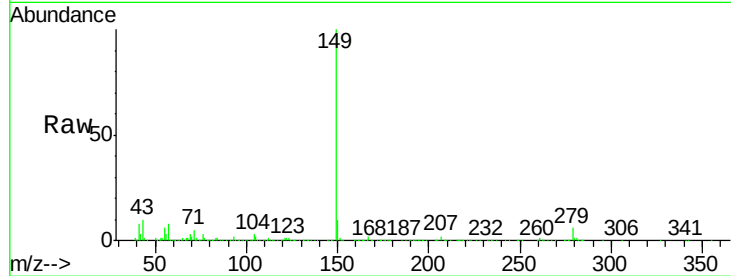




#85
Di-n-octyl phthalate
Concen: 44.608 ng
RT: 22.82 min Scan# 3359
Delta R.T. 0.01 min
Lab File: BG041351.D
Acq: 20 Jun 2019 7:31

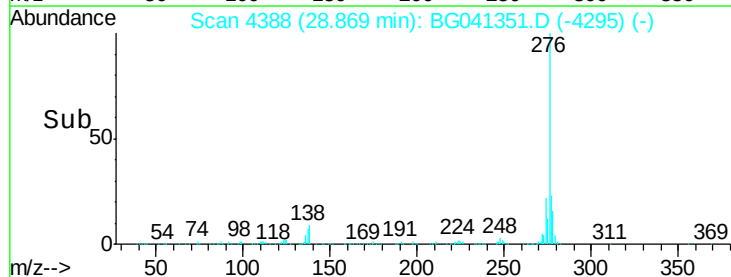
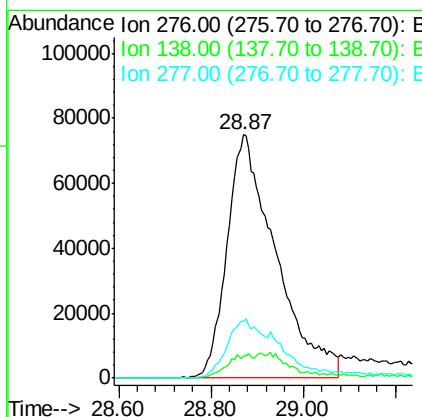
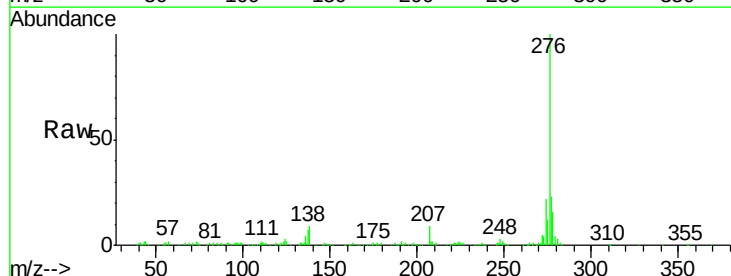
Instrument :
BNA_G
ClientSampleId :

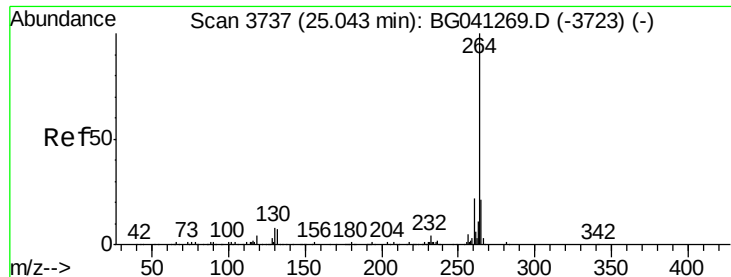
Tot Ion:149 Resp: 683743
Ion Ratio Lower Upper
149 100
167 1.8 1.4 2.0
43 10.3 8.2 12.2



#86
Indeno(1,2,3-cd)pyrene
Concen: 27.076 ng
RT: 28.87 min Scan# 4388
Delta R.T. 0.02 min
Lab File: BG041351.D
Acq: 20 Jun 2019 7:31

Tgt Ion:276 Resp: 545133
Ion Ratio Lower Upper
276 100
138 5.2 7.7 11.5#
277 17.2 20.6 31.0#





#87

Pervlene-d12

Concen: 20.000 ng

RT: 25.06 min Scan# 3739

Delta R.T. 0.01 min

Lab File: BG041351.D

Acq: 20 Jun 2019 7:31

Instrument :

BNA_G

ClientSampleId :

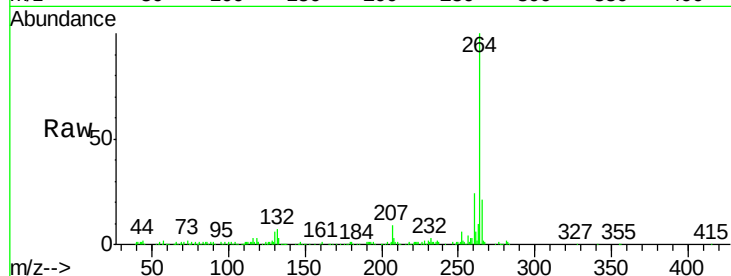
Tot Ion:264 Resp: 251491

Ion Ratio Lower Upper

264 100

260 24.2 17.4 26.2

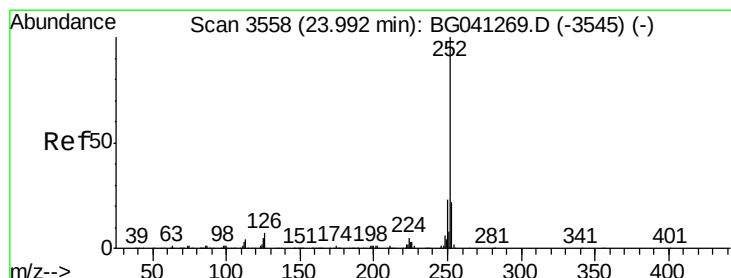
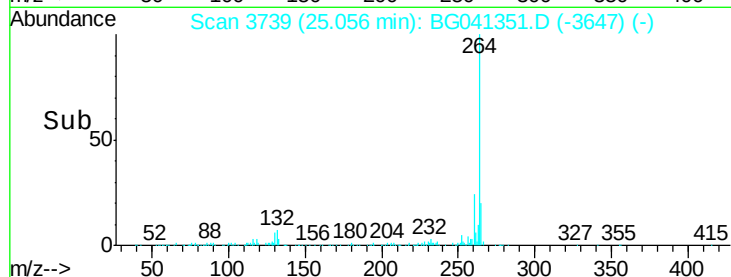
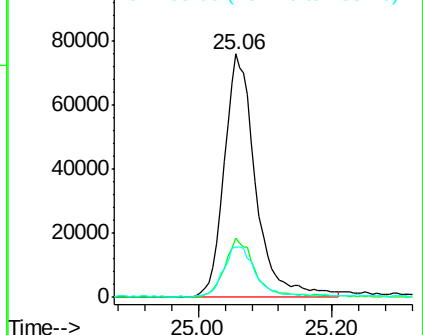
265 20.7 17.2 25.8



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



#88

Benzo(b)fluoranthene

Concen: 44.959 ng

RT: 24.00 min Scan# 3559

Delta R.T. 0.01 min

Lab File: BG041351.D

Acq: 20 Jun 2019 7:31

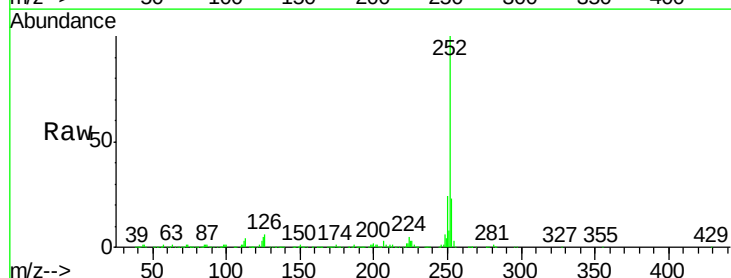
Tgt Ion:252 Resp: 700718

Ion Ratio Lower Upper

252 100

253 22.7 17.4 26.0

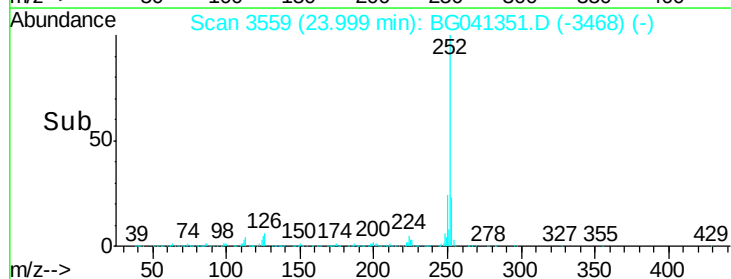
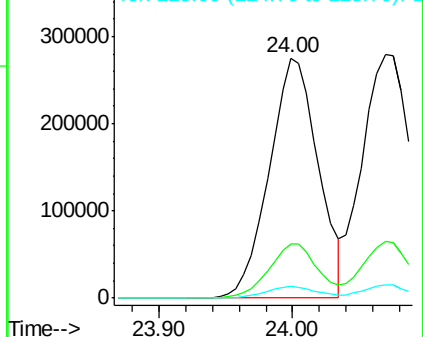
125 5.2 3.9 5.9

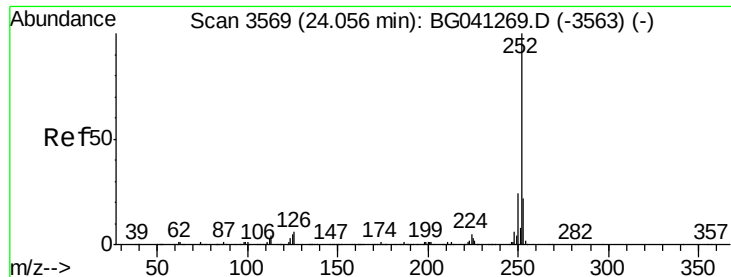


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

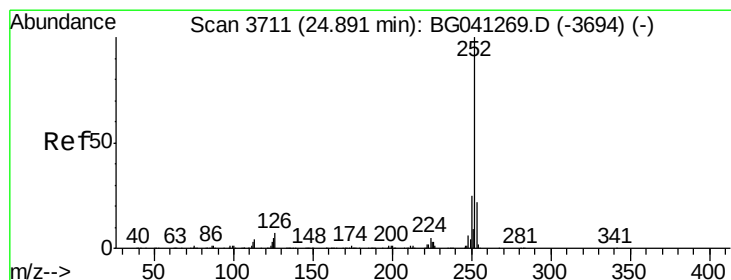
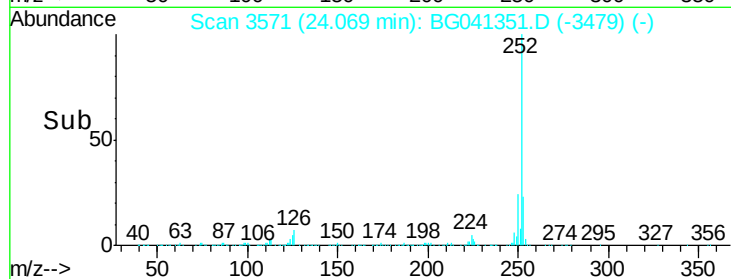
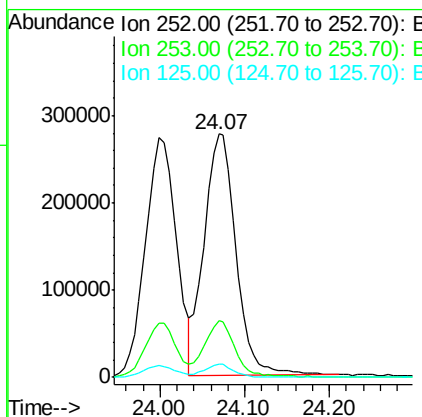
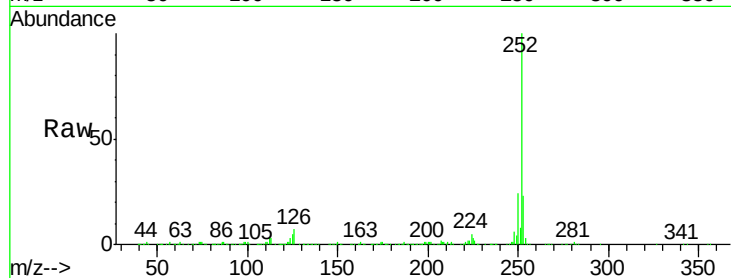




#89
Benzo(k)fluoranthene
Concen: 47.480 ng
RT: 24.07 min Scan# 3571
Delta R.T. 0.01 min
Lab File: BG041351.D
Acq: 20 Jun 2019 7:31

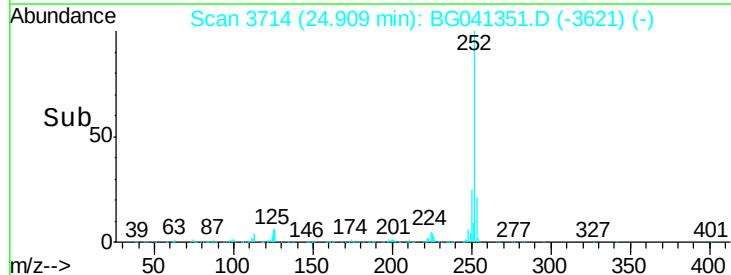
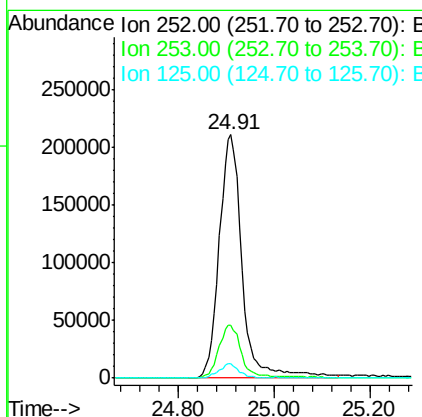
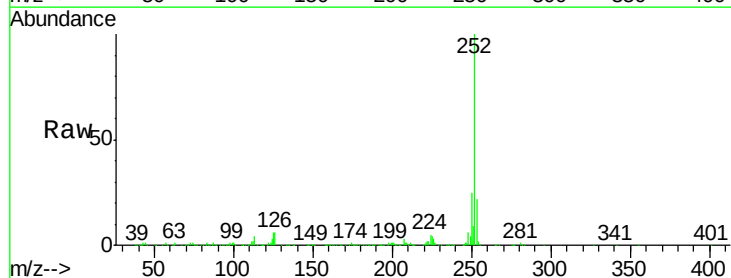
Instrument :
BNA_G
ClientSampleId :

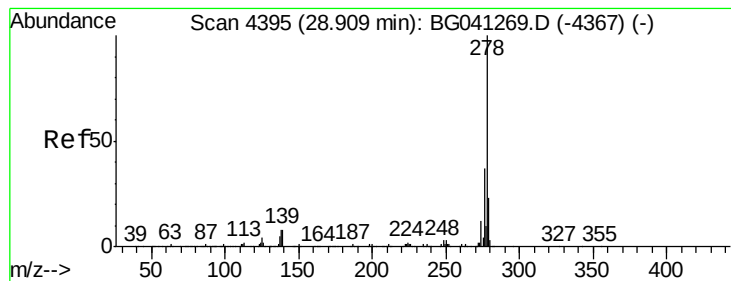
Tot Ion:252 Resp: 733090
Ion Ratio Lower Upper
252 100
253 23.3 18.0 27.0
125 5.5 4.3 6.5



#90
Benzo(a)pyrene
Concen: 47.283 ng
RT: 24.91 min Scan# 3714
Delta R.T. 0.02 min
Lab File: BG041351.D
Acq: 20 Jun 2019 7:31

Tgt Ion:252 Resp: 695975
Ion Ratio Lower Upper
252 100
253 21.6 17.8 26.6
125 5.9 4.2 6.4





#91

Dibenzo(a,h)anthracene

Concen: 30.920 ng

RT: 28.93 min Scan# 4399

Delta R.T. 0.02 min

Lab File: BG041351.D

Acq: 20 Jun 2019 7:31

Instrument :

BNA_G

ClientSampleId :

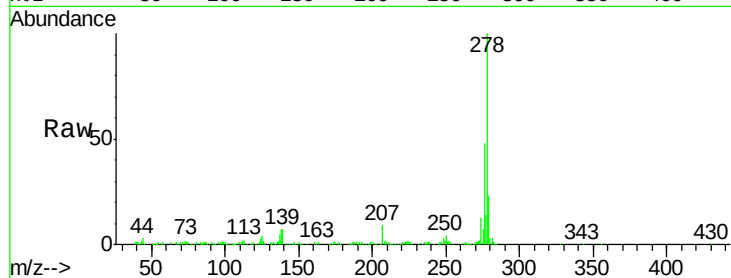
Tot Ion:278 Resp: 458200

Ion Ratio Lower Upper

278 100

139 7.2 6.6 10.0

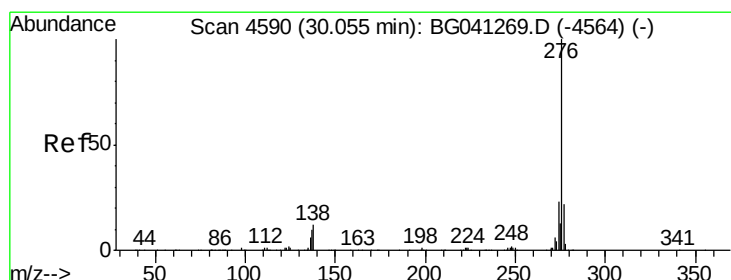
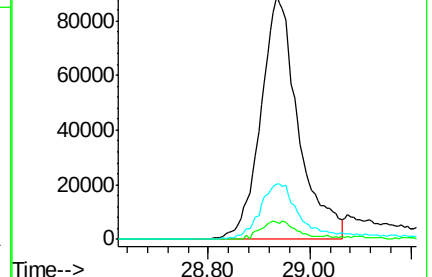
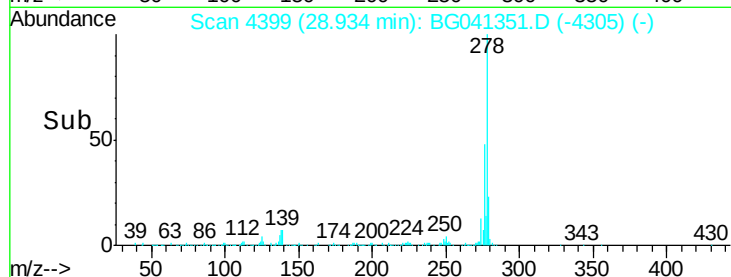
279 22.6 18.5 27.7



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 25.393 ng

RT: 30.07 min Scan# 4593

Delta R.T. 0.02 min

Lab File: BG041351.D

Acq: 20 Jun 2019 7:31

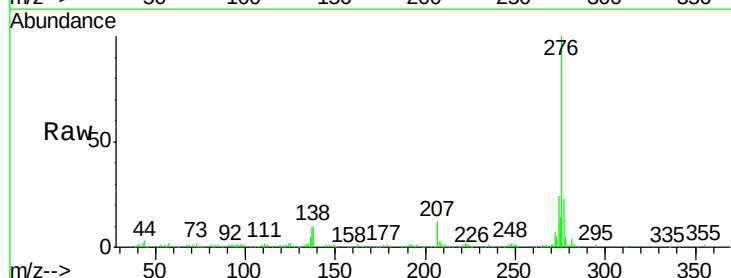
Tgt Ion:276 Resp: 371876

Ion Ratio Lower Upper

276 100

277 23.0 17.9 26.9

138 10.4 9.4 14.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

