

Data File : BG036622.D
Acq On : 8 Sep 2018 7:59
Operator : JU/SJ
Sample : J4774-02MSD
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OK-03-090618MSD

Quant Time: Sep 10 01:09:08 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG082318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 31 13:03:20 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	58409	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	243948	20.00	ng	0.00
38) Acenaphthene-d10	14.68	164	166026	20.00	ng	0.00
63) Phenanthrene-d10	17.42	188	430105	20.00	ng	0.00
75) Chrysene-d12	21.69	240	430459	20.00	ng	0.00
86) Perylene-d12	24.90	264	440553	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.63	112	380715	103.40	ng	0.00
7) Phenol-d6	7.21	99	491201	93.17	ng	0.00
23) Nitrobenzene-d5	9.22	82	369944	82.28	ng	0.00
41) 2,4,6-Tribromophenol	16.17	330	254511	128.47	ng	0.00
44) 2-Fluorobiphenyl	13.31	172	861144	74.06	ng	0.00
78) Terphenyl-d14	20.03	244	1477669	80.24	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.54	88	50560	29.423	ng	# 87
3) Pyridine	3.94	79	144687	29.997	ng	98
4) n-Nitrosodimethylamine	3.84	42	76956	35.821	ng	95
6) Aniline	7.38	93	148298	22.162	ng	93
8) 2-Chlorophenol	7.62	128	167096	41.847	ng	97
9) Benzaldehyde	7.19	77	91398	25.176	ng	98
10) Phenol	7.24	94	199092	36.088	ng	99
11) bis(2-Chloroethyl)ether	7.47	93	166388	38.042	ng	98
12) 1,3-Dichlorobenzene	7.94	146	173435	38.039	ng	96
13) 1,4-Dichlorobenzene	8.09	146	175476	38.119	ng	99
14) 1,2-Dichlorobenzene	8.41	146	171236	38.950	ng	96
15) Benzyl Alcohol	8.29	79	167371	39.383	ng	96
16) 2,2'-oxybis(1-Chloropropan	8.58	45	311827	35.353	ng	99
17) 2-Methylphenol	8.49	107	152819	41.717	ng	97
18) Hexachloroethane	9.14	117	64904	39.325	ng	89
19) n-Nitroso-di-n-propylamine	8.86	70	147129	37.343	ng	93
20) 3+4-Methylphenols	8.82	107	213607	41.766	ng	97
22) Acetophenone	8.88	105	271262	42.345	ng	# 98
24) Nitrobenzene	9.26	77	216611	44.677	ng	95
25) Isophorone	9.78	82	415802	46.553	ng	98
26) 2-Nitrophenol	9.97	139	97182	50.583	ng	96
27) 2,4-Dimethylphenol	10.03	122	172861	48.598	ng	99
28) bis(2-Chloroethoxy)methane	10.26	93	238084	43.432	ng	99
29) 2,4-Dichlorophenol	10.50	162	193830	49.722	ng	96
30) 1,2,4-Trichlorobenzene	10.72	180	192745	42.266	ng	98
31) Naphthalene	10.91	128	565624	46.383	ng	99
32) Benzoic acid	10.09	122	10990	8.258	ng	# 76
33) 4-Chloroaniline	11.02	127	37593	6.727	ng	97
34) Hexachlorobutadiene	11.20	225	128933	42.080	ng	97
35) Caprolactam	11.78	113	51900	33.421	ng	# 90
36) 4-Chloro-3-methylphenol	12.13	107	216065	47.701	ng	99
37) 2-Methylnaphthalene	12.51	142	428227	47.992	ng	99
39) 1,2,4,5-Tetrachlorobenzene	12.88	216	247023	42.043	ng	98
40) Hexachlorocyclopentadiene	12.85	237	257757	84.317	ng	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	13.11	196	170045	47.511	ng	99
43) 2,4,5-Trichlorophenol	13.18	196	185812	48.675	ng	99
45) 1,1'-Biphenyl	13.51	154	562357	40.805	ng	99
46) 2-Chloronaphthalene	13.56	162	438061	41.637	ng	99
47) 2-Nitroaniline	13.76	65	161895	49.003	ng	94
48) Acenaphthylene	14.41	152	738866	44.936	ng	100
49) Dimethylphthalate	14.14	163	605888	44.692	ng	100
50) 2,6-Dinitrotoluene	14.25	165	134695	48.284	ng	94
51) Acenaphthene	14.75	154	443356	42.102	ng	98
52) 3-Nitroaniline	14.58	138	81294	27.042	ng	99
53) 2,4-Dinitrophenol	14.78	184	11507	10.890	ng	96
54) Dibenzofuran	15.08	168	719519	43.613	ng	99
55) 4-Nitrophenol	14.88	139	128226	52.168	ng	97
56) 2,4-Dinitrotoluene	15.03	165	189991	52.256	ng	93
57) Fluorene	15.73	166	581804	47.174	ng	98
58) 2,3,4,6-Tetrachlorophenol	15.30	232	174806	48.738	ng	93
59) Diethylphthalate	15.49	149	598409	43.799	ng	99
60) 4-Chlorophenyl-phenylether	15.72	204	330411	43.386	ng	98
61) 4-Nitroaniline	15.75	138	145668	46.306	ng	93
62) Azobenzene	16.01	77	582978	41.937	ng	98
64) 4,6-Dinitro-2-methylphenol	15.80	198	20907	11.066	ng	95
65) n-Nitrosodiphenylamine	15.93	169	531477	41.587	ng	100
66) 4-Bromophenyl-phenylether	16.61	248	222840	44.252	ng	100
67) Hexachlorobenzene	16.73	284	225721	43.837	ng	98
68) Atrazine	16.88	200	228822	47.702	ng	98
69) Pentachlorophenol	17.07	266	116213	33.208	ng	99
70) Phenanthrene	17.47	178	979148	44.802	ng	97
71) Anthracene	17.55	178	1001076	45.952	ng	99
72) Carbazole	17.83	167	880318	40.462	ng	99
73) Di-n-butylphthalate	18.38	149	1008107	41.610	ng	99
74) Fluoranthene	19.47	202	1186582	44.532	ng	99
76) Benzidine	19.65	184	226913	16.523	ng	99
77) Pyrene	19.83	202	1168937	44.160	ng	98
79) Butylbenzylphthalate	20.72	149	459527	43.621	ng	95
80) Benzo(a)anthracene	21.67	228	1175384	45.072	ng	98
81) 3,3'-Dichlorobenzidine	21.59	252	216228	20.805	ng	98
82) Chrysene	21.74	228	1096100	44.344	ng	98
83) Bis(2-ethylhexyl)phthalate	21.57	149	618597	41.963	ng	99
84) Di-n-octyl phthalate	22.79	149	1045510	42.461	ng	97
85) Indeno(1,2,3-cd)pyrene	28.54	276	1161097	40.442	ng	# 96
87) Benzo(b)fluoranthene	23.88	252	1152435	47.107	ng	97
88) Benzo(k)fluoranthene	23.95	252	1155680	48.354	ng	99
89) Benzo(a)pyrene	24.75	252	1131153	48.117	ng	99
90) Dibenzo(a,h)anthracene	28.61	278	910030	40.099	ng	97
91) Benzo(g,h,i)perylene	29.69	276	905902	39.722	ng	97

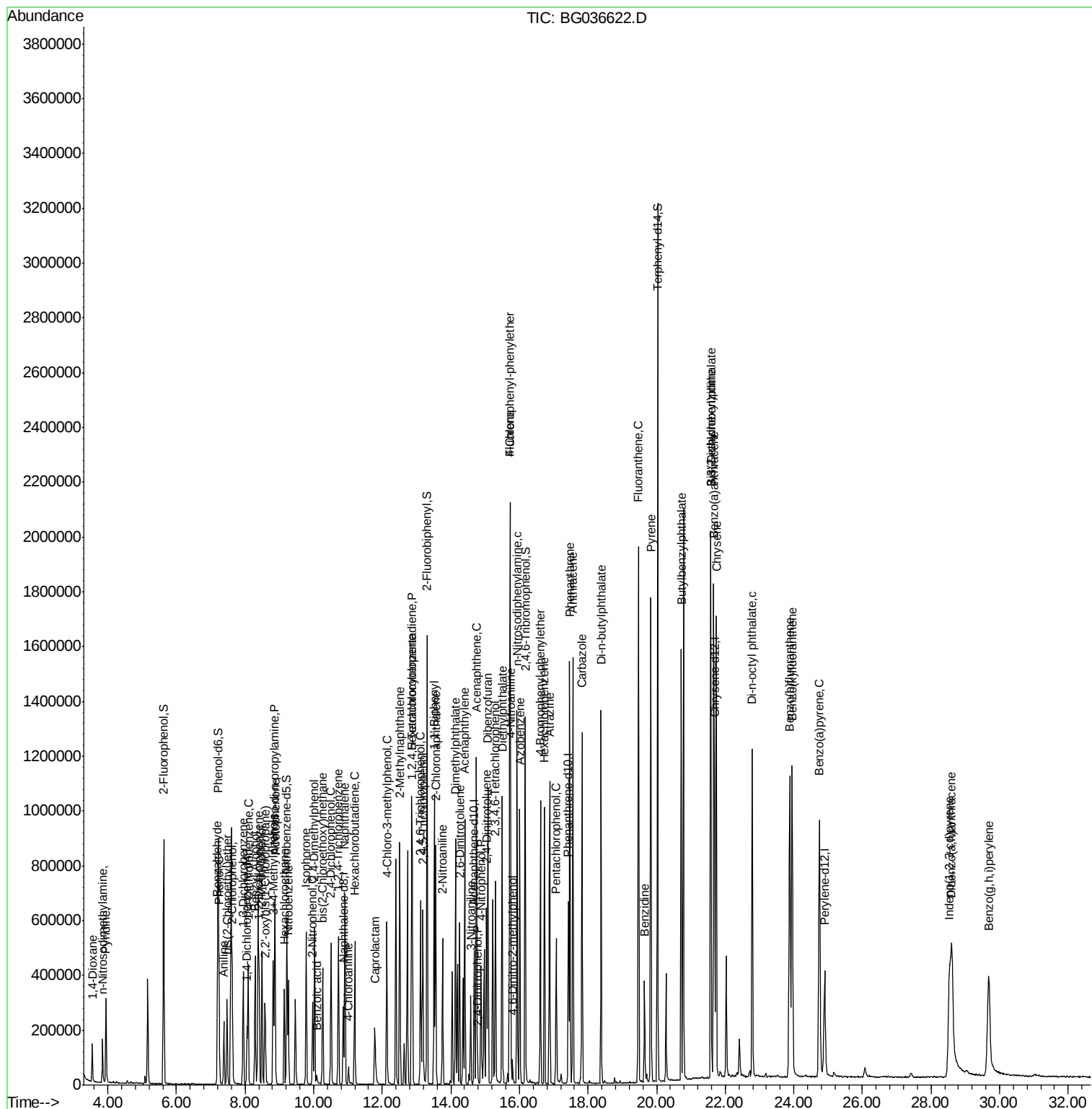
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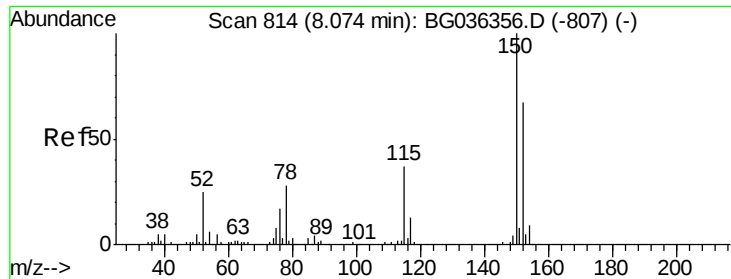
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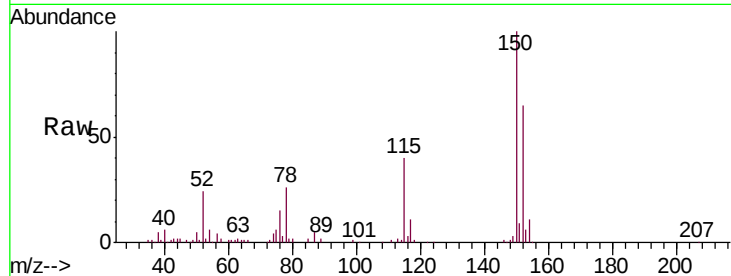


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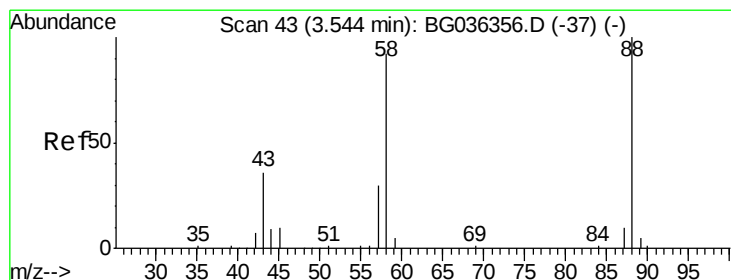
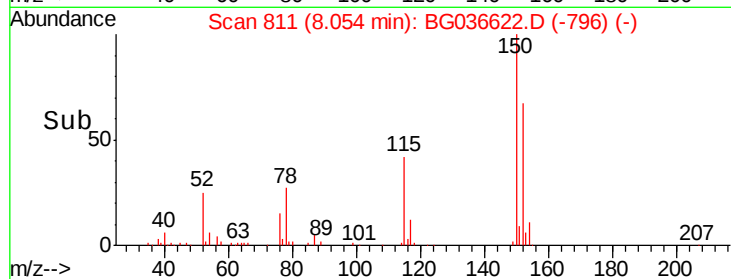
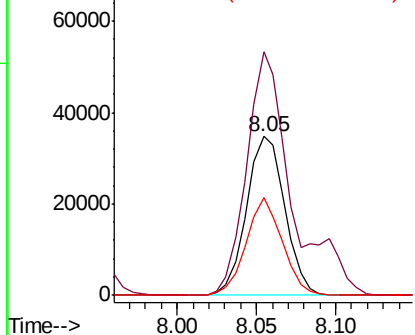
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 811
Delta R.T. -0.01 min
Lab File: BG036622.D
Acq: 8 Sep 2018 7:59

Instrument :
BNA_G
ClientSampleId :
OK-03-090618MSD

Tgt Ion:152 Resp: 58409
Ion Ratio Lower Upper
152 100
150 153.6 119.5 179.3
115 61.7 44.5 66.7



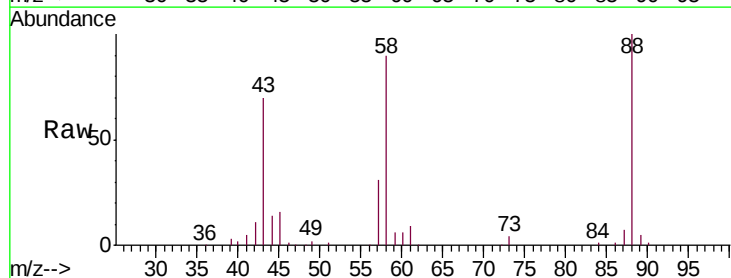
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



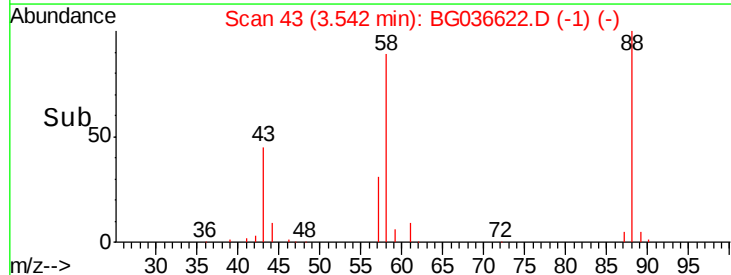
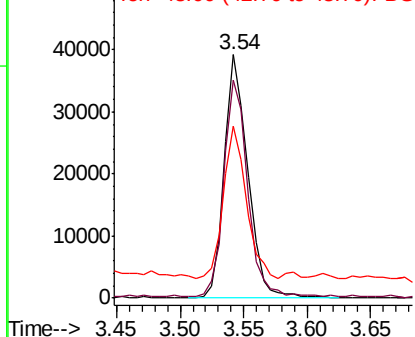
#2

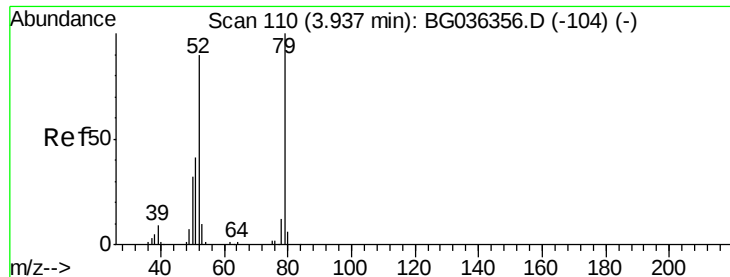
1,4-Dioxane
Concen: 29.423 ng
RT: 3.54 min Scan# 43
Delta R.T. 0.00 min
Lab File: BG036622.D
Acq: 8 Sep 2018 7:59

Tgt Ion: 88 Resp: 50560
Ion Ratio Lower Upper
88 100
58 89.5 72.6 109.0
43 60.9 29.0 43.4#



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

Pyridine

Concen: 29.997 ng

RT: 3.94 min Scan# 111

Delta R.T. 0.01 min

Lab File: BG036622.D

Acq: 8 Sep 2018 7:59

Instrument :

BNA_G

ClientSampleId :

OK-03-090618MSD

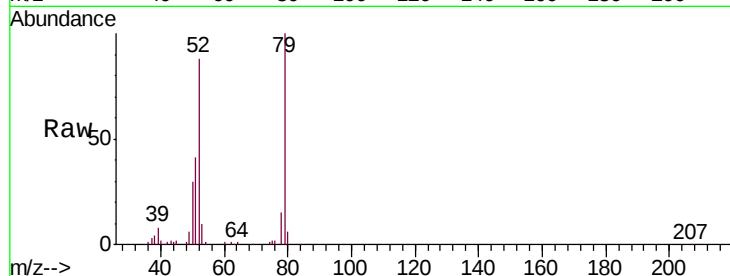
Tgt Ion: 79 Resp: 144687

Ion Ratio Lower Upper

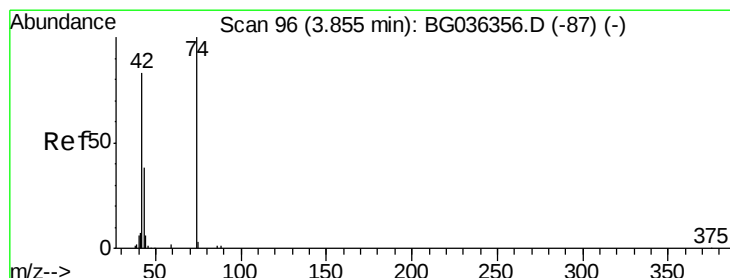
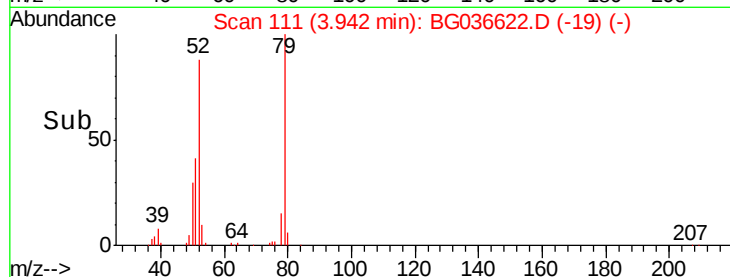
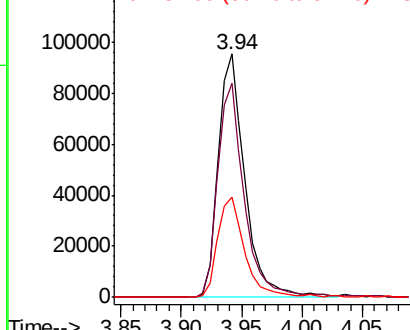
79 100

52 87.7 72.3 108.5

51 41.1 33.8 50.6



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: 35.821 ng

RT: 3.84 min Scan# 94

Delta R.T. -0.00 min

Lab File: BG036622.D

Acq: 8 Sep 2018 7:59

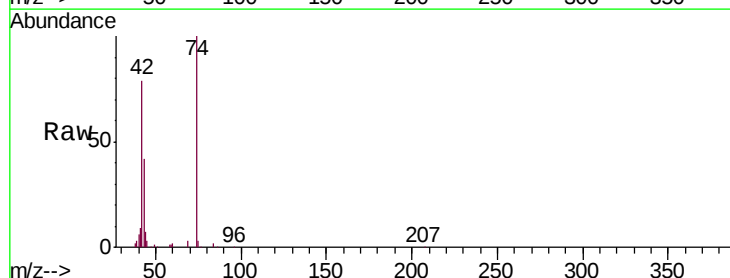
Tgt Ion: 42 Resp: 76956

Ion Ratio Lower Upper

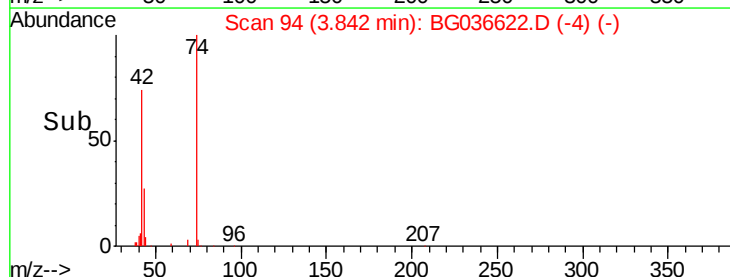
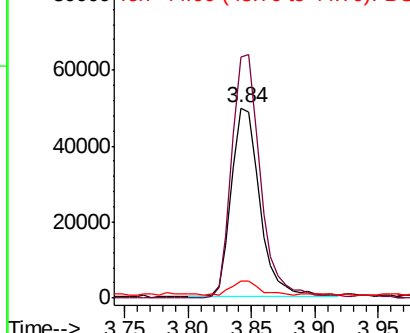
42 100

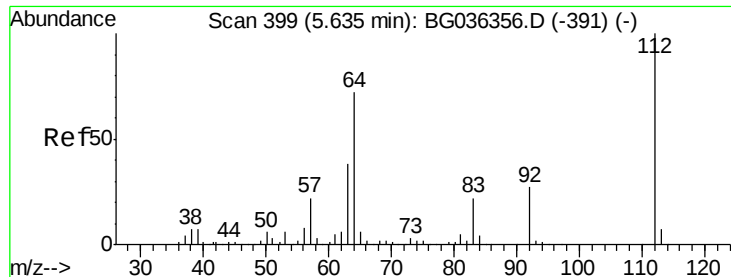
74 126.7 96.6 145.0

44 8.9 7.0 10.4



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: 103.396 ng

RT: 5.63 min Scan# 398

Delta R.T. 0.00 min

Lab File: BG036622.D

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ClientSampleId :

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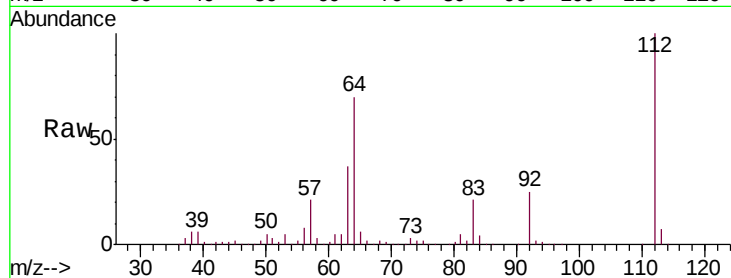
Tgt Ion: 112 Resp: 380715

Ion Ratio Lower Upper

112 100

64 69.8 57.2 85.8

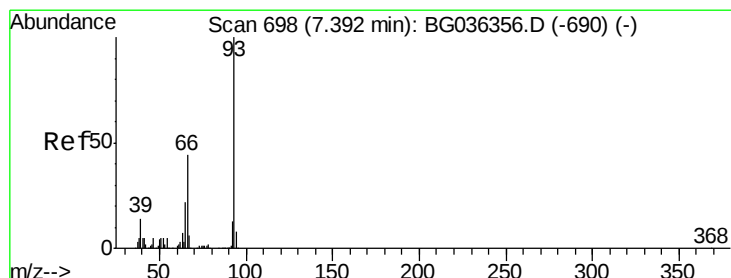
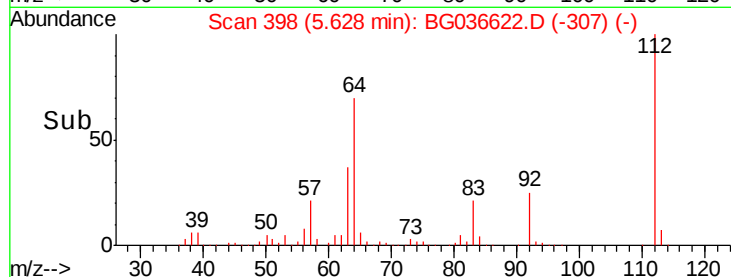
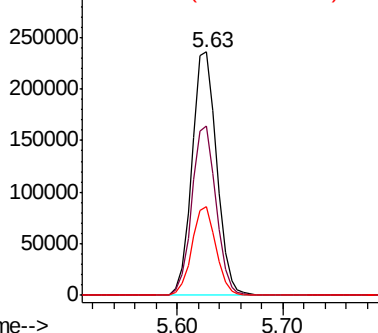
63 36.5 30.8 46.2



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: 22.162 ng

RT: 7.38 min Scan# 696

Delta R.T. -0.00 min

Lab File: BG036622.D

Acq: 8 Sep 2018 7:59

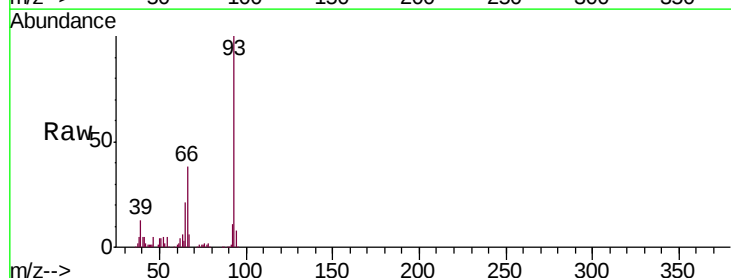
Tgt Ion: 93 Resp: 148298

Ion Ratio Lower Upper

93 100

66 38.3 35.0 52.4

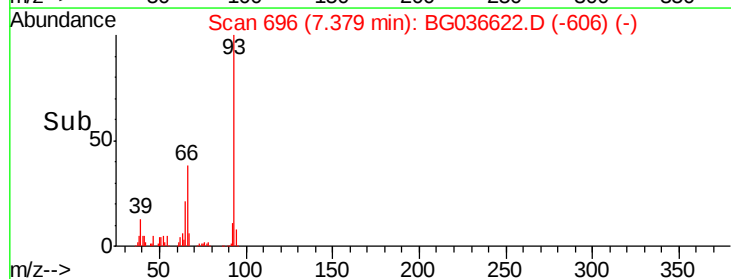
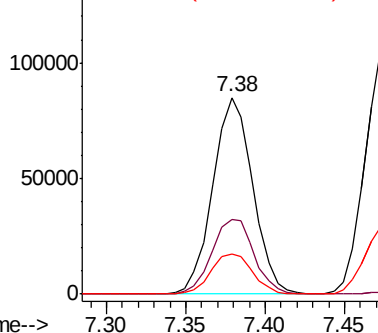
65 20.5 17.6 26.4

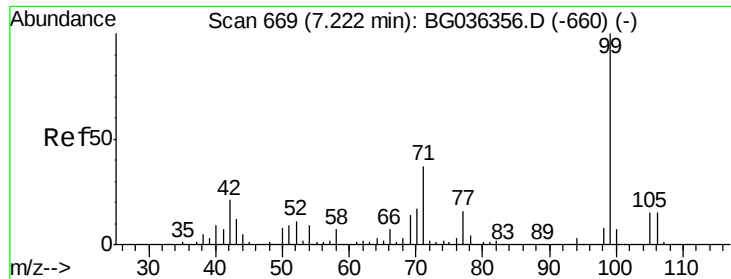


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 93.174 ng

RT: 7.21 min Scan# 668

Delta R.T. -0.00 min

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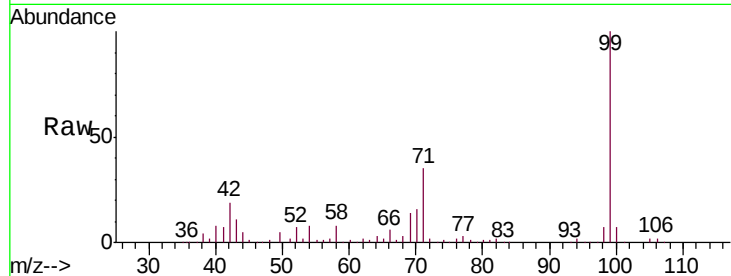
Tgt Ion: 99 Resp: 491201

Ion Ratio Lower Upper

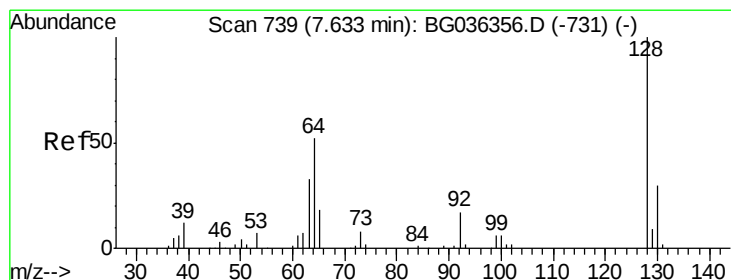
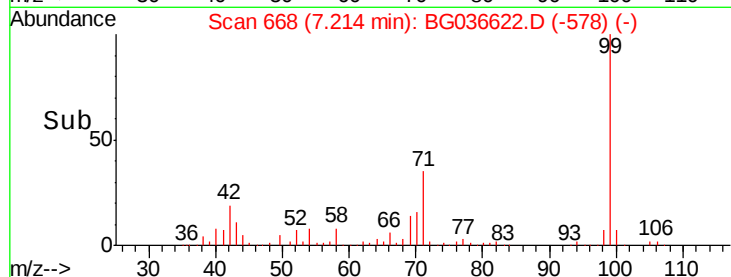
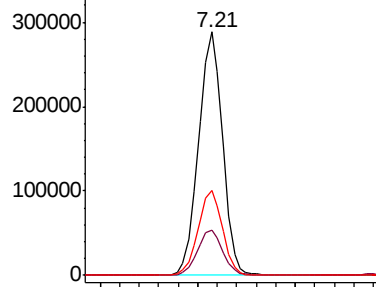
99 100

42 18.8 16.5 24.7

71 34.7 29.4 44.2



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



#8

2-Chlorophenol

Concen: 41.847 ng

RT: 7.62 min Scan# 737

Delta R.T. -0.00 min

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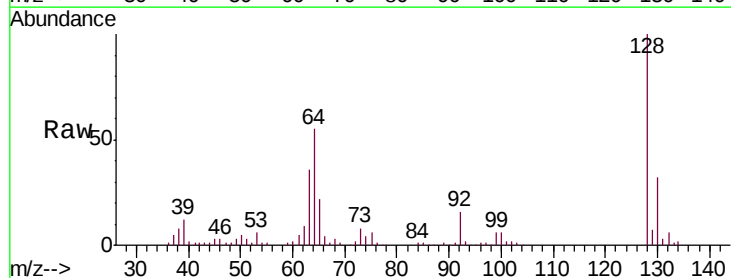
Tgt Ion: 128 Resp: 167096

Ion Ratio Lower Upper

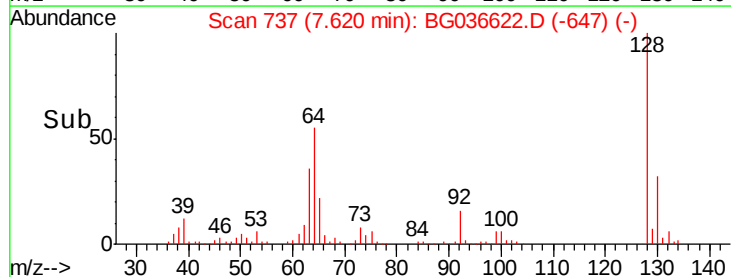
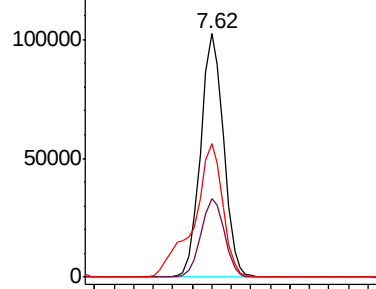
128 100

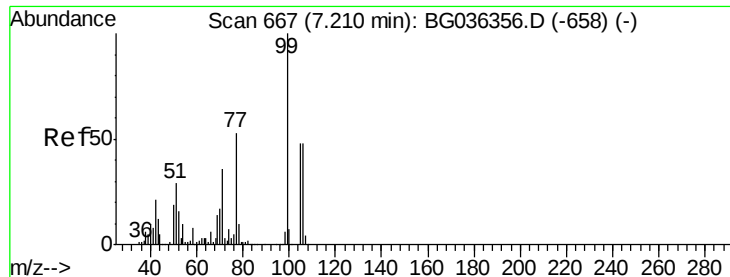
130 32.5 10.0 50.0

64 54.7 36.0 76.0



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 64.00 (63.70 to 64.70): BGC





#9

Benzaldehyde

Concen: 25.176 ng

RT: 7.19 min Scan# 664

Delta R.T. -0.00 min

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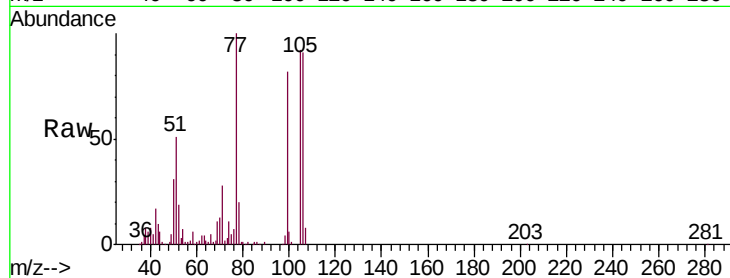
Tgt Ion: 77 Resp: 91398

Ion Ratio Lower Upper

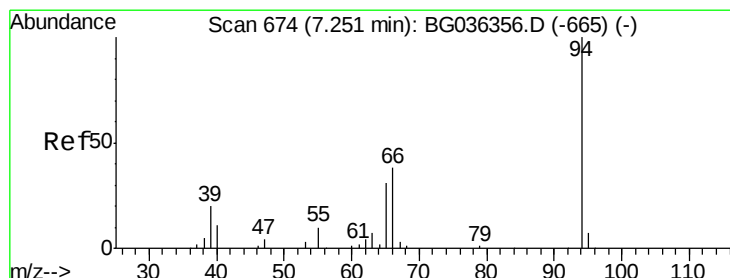
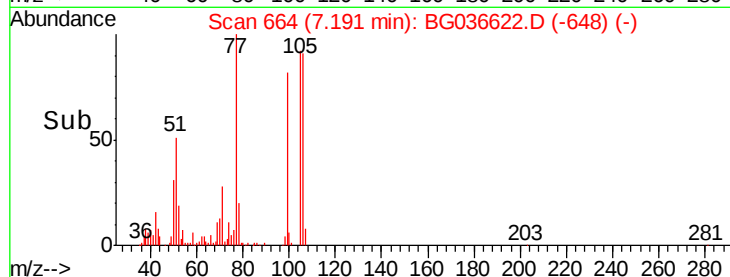
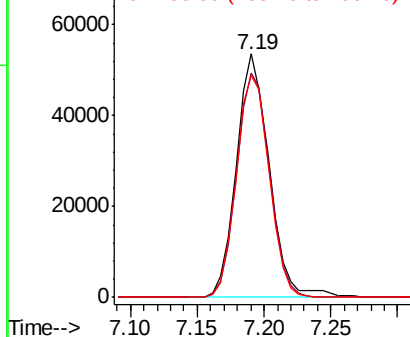
77 100

105 92.1 70.5 110.5

106 91.0 69.8 109.8



Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 106.00 (105.70 to 106.70): BGC



#10

Phenol

Concen: 36.088 ng

RT: 7.24 min Scan# 672

Delta R.T. -0.00 min

Lab File: BG036622.D

Acq: 8 Sep 2018 7:59

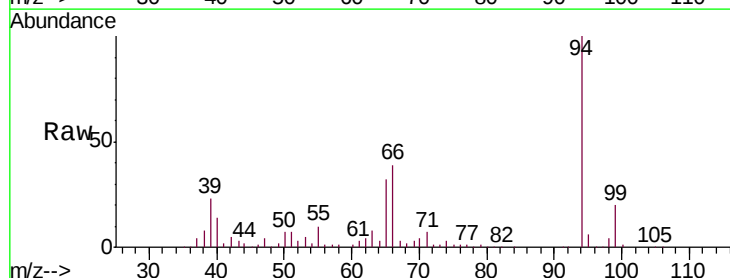
Tgt Ion: 94 Resp: 199092

Ion Ratio Lower Upper

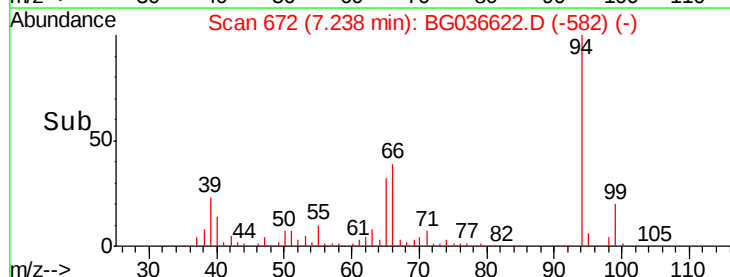
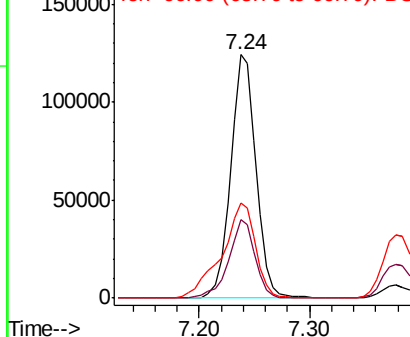
94 100

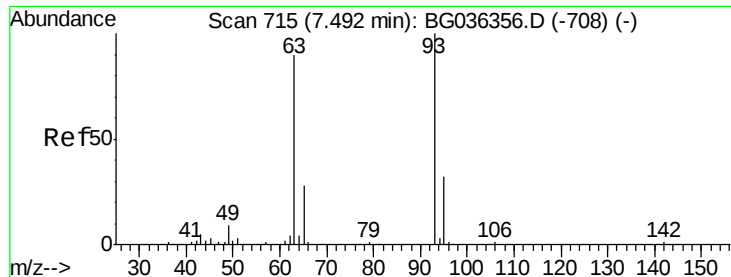
65 32.1 11.5 51.5

66 39.0 19.5 59.5



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

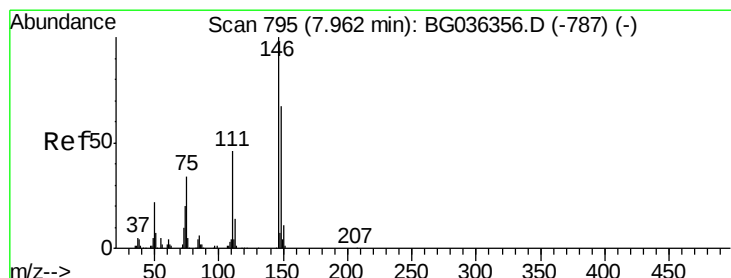
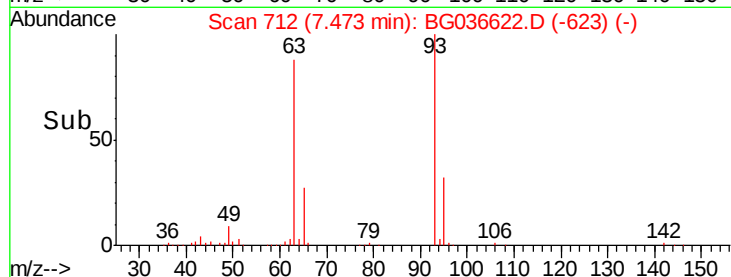
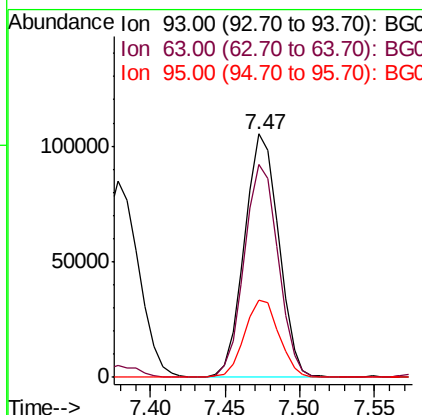
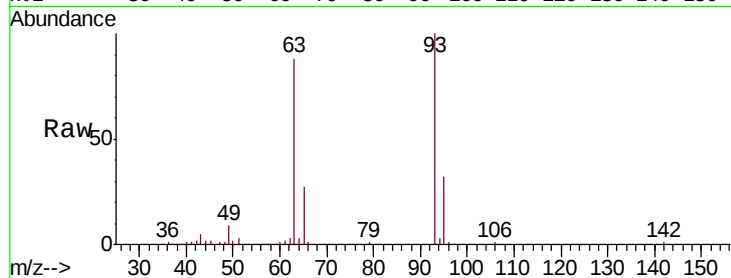




#11
 bis(2-Chloroethyl)ether
 Concen: 38.042 ng
 RT: 7.47 min Scan# 712
 Delta R.T. -0.01 min
 Lab File: BG036622.D
 Acq: 8 Sep 2018 7:59

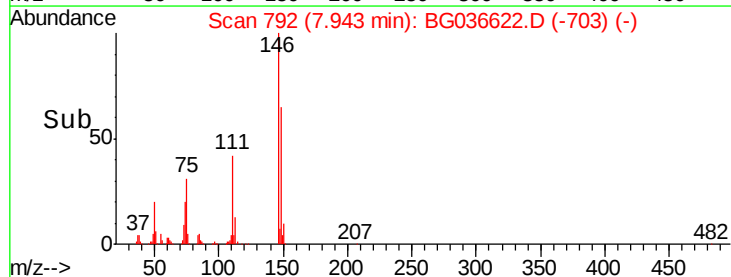
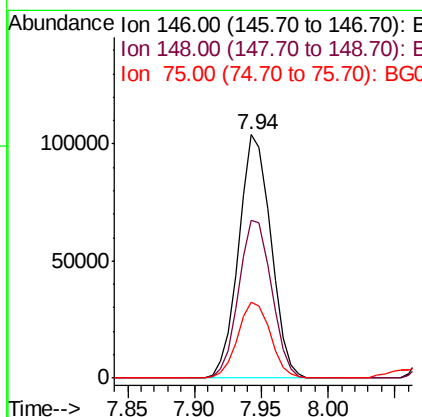
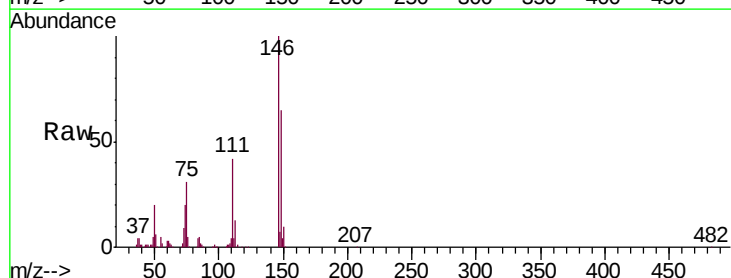
Instrument :
 BNA_G
 ClientSampleId :
 OK-03-090618MSD

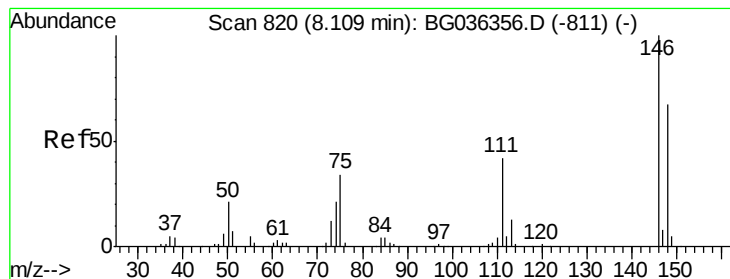
Tgt Ion: 93 Resp: 166388
 Ion Ratio Lower Upper
 93 100
 63 87.5 69.9 109.9
 95 31.9 11.7 51.7



#12
 1,3-Dichlorobenzene
 Concen: 38.039 ng
 RT: 7.94 min Scan# 792
 Delta R.T. -0.01 min
 Lab File: BG036622.D
 Acq: 8 Sep 2018 7:59

Tgt Ion: 146 Resp: 173435
 Ion Ratio Lower Upper
 146 100
 148 64.7 53.8 80.6
 75 31.2 27.2 40.8





#13

1,4-Dichlorobenzene

Concen: 38.119 ng

RT: 8.09 min Scan# 817

Delta R.T. -0.01 min

Lab File: BG036622.D

Acq: 8 Sep 2018 7:59

Instrument :

BNA_G

ClientSampleId :

OK-03-090618MSD

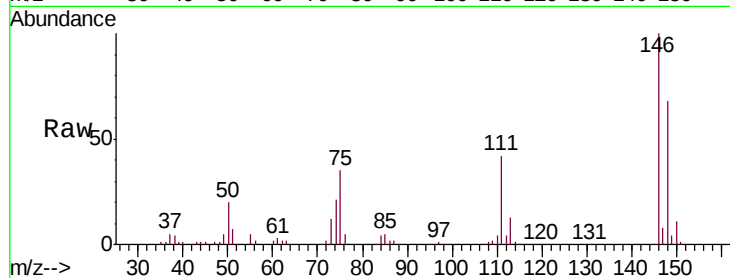
Tgt Ion:146 Resp: 175476

Ion Ratio Lower Upper

146 100

148 68.3 53.9 80.9

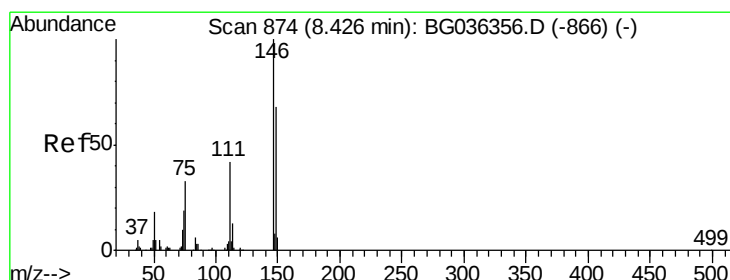
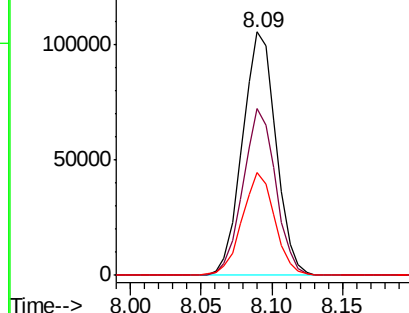
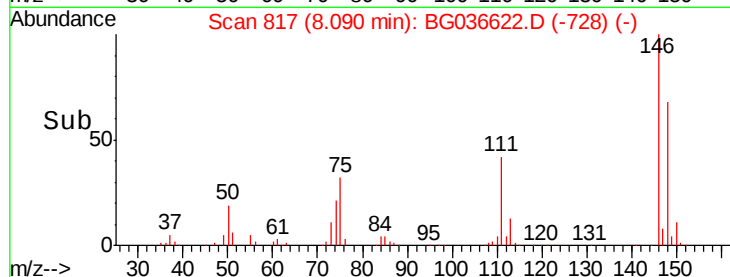
111 42.0 33.8 50.6



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 38.950 ng

RT: 8.41 min Scan# 871

Delta R.T. -0.01 min

Lab File: BG036622.D

Acq: 8 Sep 2018 7:59

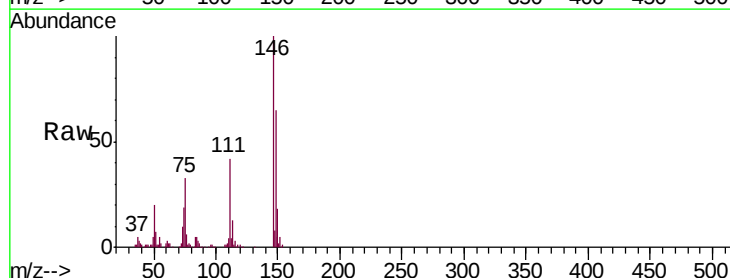
Tgt Ion:146 Resp: 171236

Ion Ratio Lower Upper

146 100

148 64.7 55.0 82.6

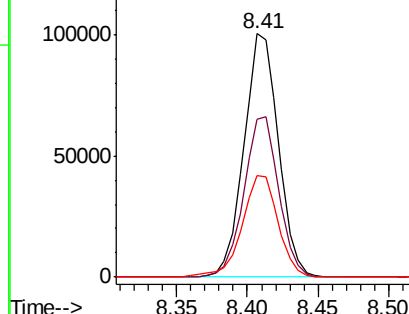
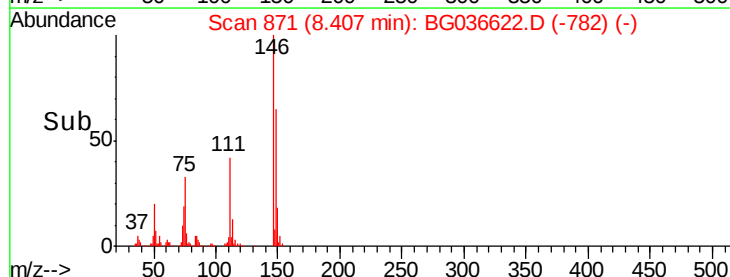
111 41.5 34.6 51.8

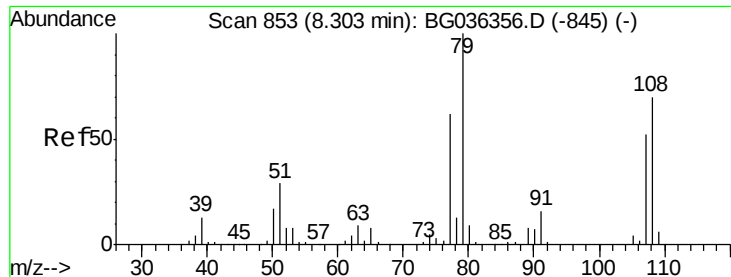


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 39.383 ng

RT: 8.29 min Scan# 851

Delta R.T. -0.00 min

Lab File: BG036622.D

Acq: 8 Sep 2018 7:59

Instrument :

BNA_G

ClientSampleId :

OK-03-090618MSD

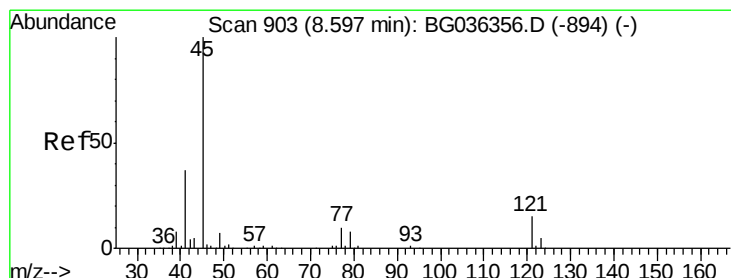
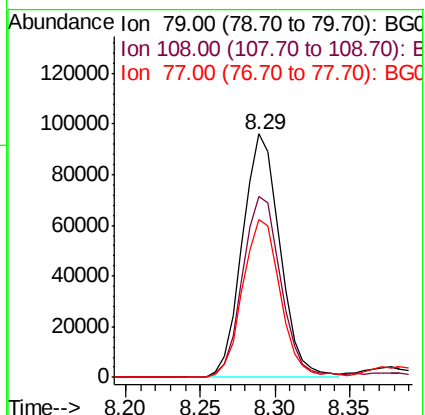
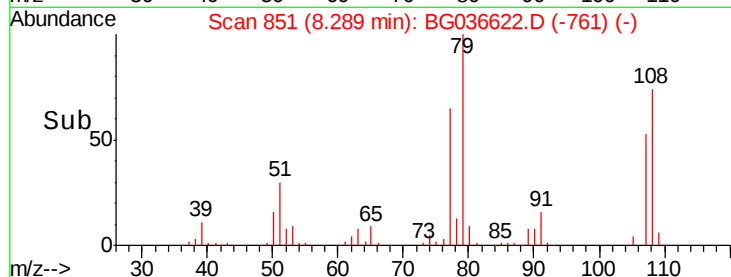
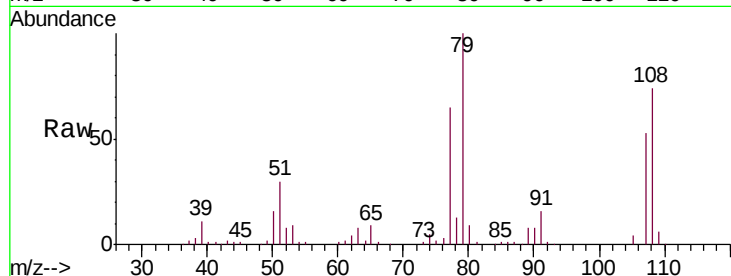
Tgt Ion: 79 Resp: 167371

Ion Ratio Lower Upper

79 100

108 74.3 55.9 83.9

77 64.6 50.0 75.0



#16

2,2'-oxybis(1-Chloropropane)

Concen: 35.353 ng

RT: 8.58 min Scan# 901

Delta R.T. -0.00 min

Lab File: BG036622.D

Acq: 8 Sep 2018 7:59

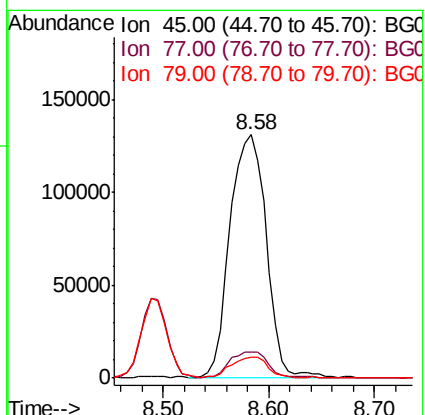
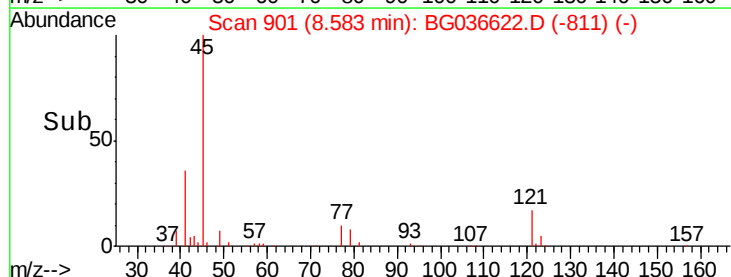
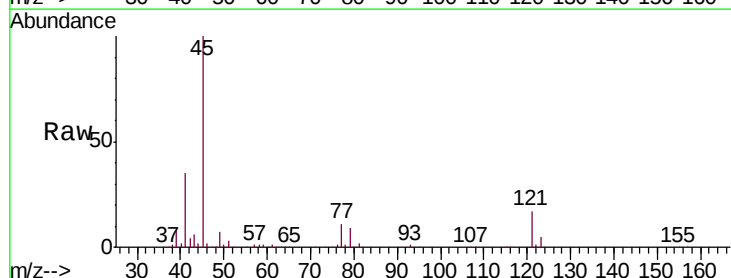
Tgt Ion: 45 Resp: 311827

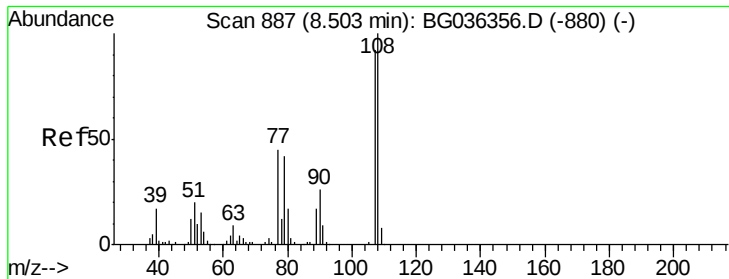
Ion Ratio Lower Upper

45 100

77 10.8 0.0 30.5

79 8.5 0.0 27.9

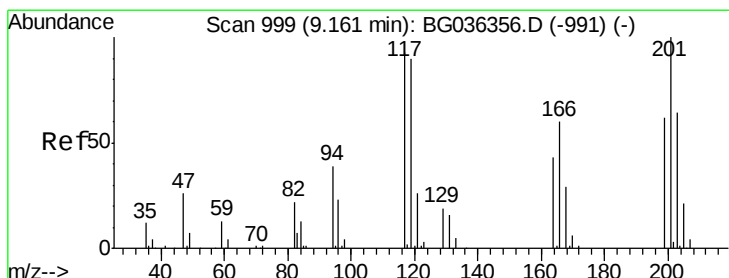
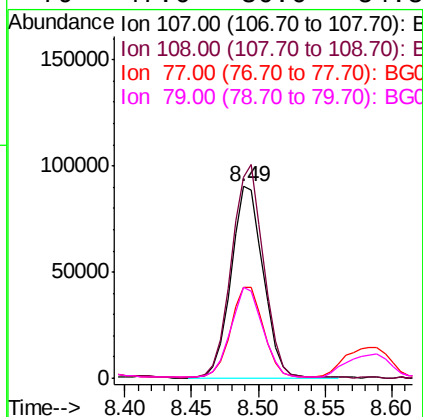
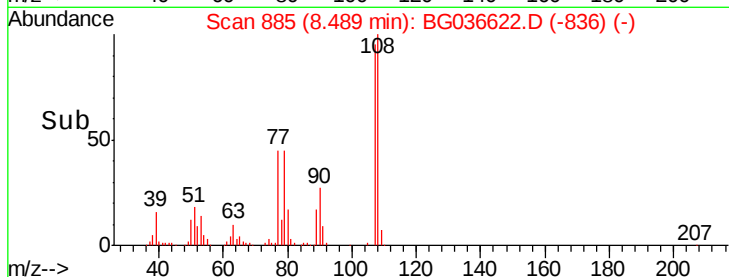
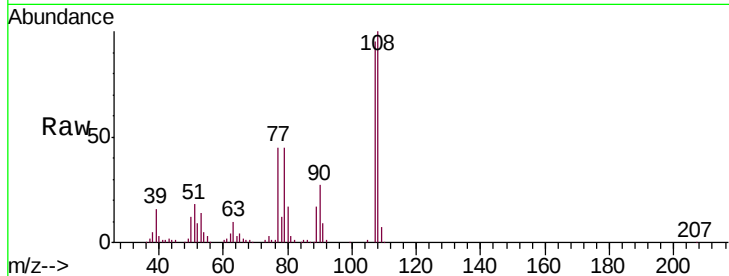




#17
2-Methylphenol
Concen: 41.717 ng
RT: 8.49 min Scan# 885
Delta R.T. -0.01 min
Lab File: BG036622.D
Acq: 8 Sep 2018 7:59

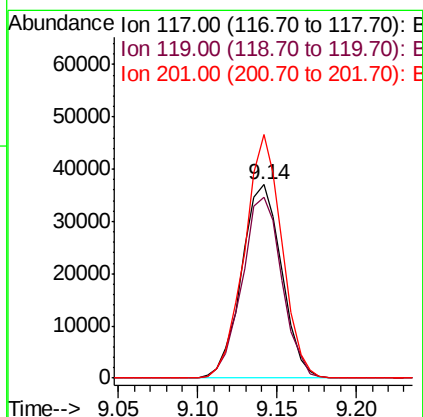
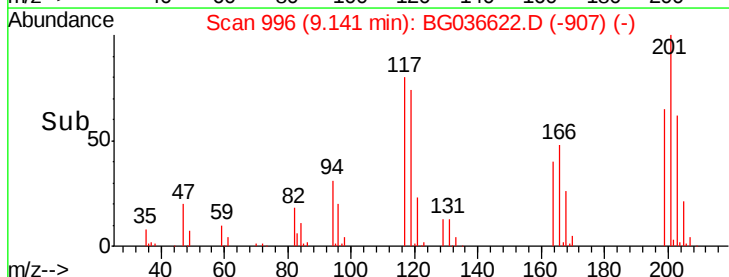
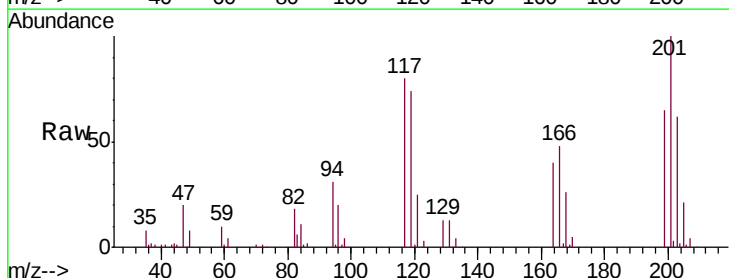
Instrument :
BNA_G
ClientSampleId :
OK-03-090618MSD

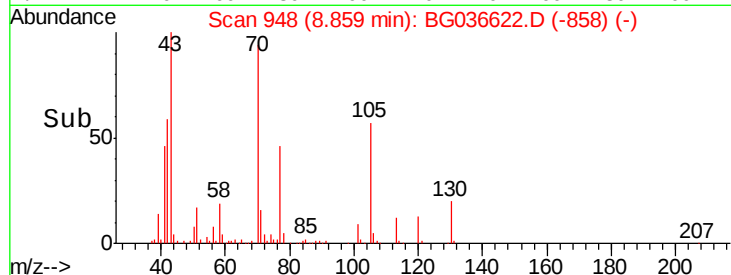
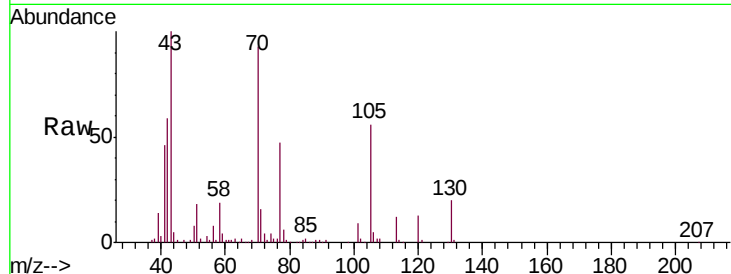
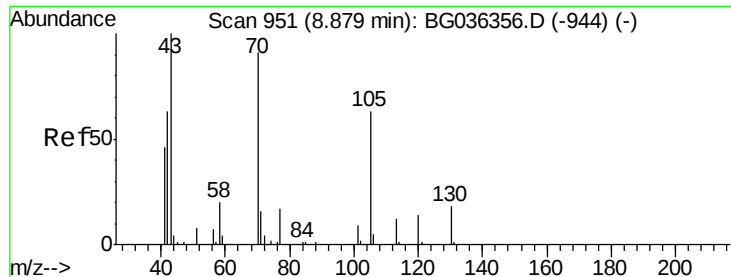
Tgt Ion:	107	Resp:	152819
Ion	Ratio	Lower	Upper
107	100		
108	104.8	86.7	130.1
77	47.5	39.0	58.4
79	47.6	36.6	54.8



#18
Hexachloroethane
Concen: 39.325 ng
RT: 9.14 min Scan# 996
Delta R.T. -0.01 min
Lab File: BG036622.D
Acq: 8 Sep 2018 7:59

Tgt Ion:	117	Resp:	64904
Ion	Ratio	Lower	Upper
117	100		
119	93.1	76.8	115.2
201	125.8	85.7	128.5

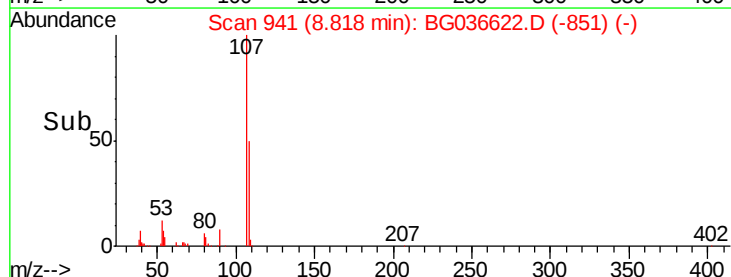
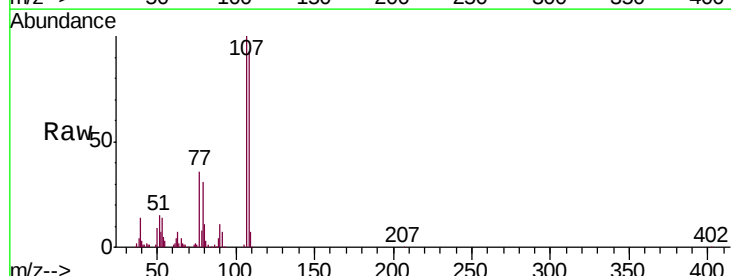
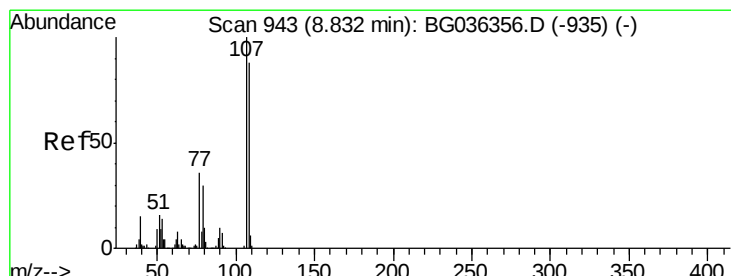
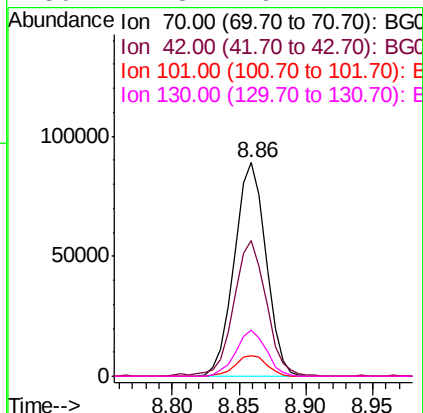




#19
n-Nitroso-di-n-propylamine
Concen: 37.343 ng
RT: 8.86 min Scan# 948
Delta R.T. -0.00 min
Lab File: BG036622.D
Acq: 8 Sep 2018 7:59

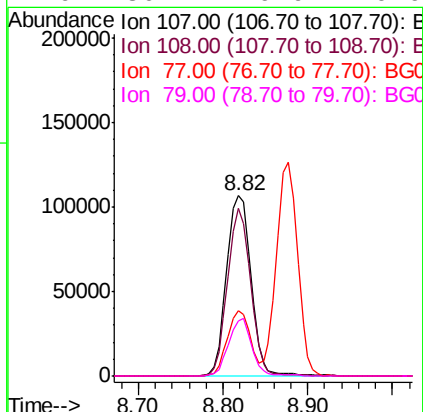
Instrument :
BNA_G
ClientSampleId :
OK-03-090618MSD

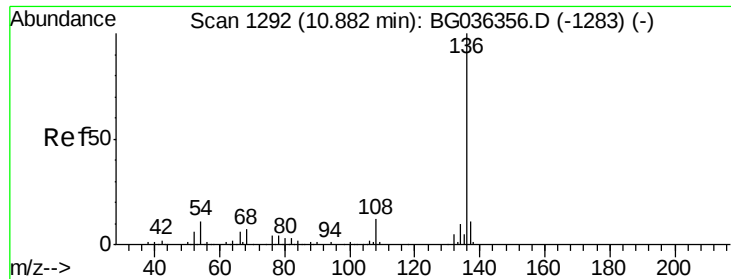
Tgt Ion: 70 Resp: 147129
Ion Ratio Lower Upper
70 100
42 63.3 56.2 84.4
101 9.8 7.8 11.6
130 21.3 16.2 24.2



#20
3+4-Methylphenols
Concen: 41.766 ng
RT: 8.82 min Scan# 941
Delta R.T. -0.00 min
Lab File: BG036622.D
Acq: 8 Sep 2018 7:59

Tgt Ion: 107 Resp: 213607
Ion Ratio Lower Upper
107 100
108 92.9 68.0 108.0
77 35.9 15.6 55.6
79 30.7 9.9 49.9





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.86 min Scan# 1289

Delta R.T. -0.00 min

Lab File: BG036622.D

Acq: 8 Sep 2018 7:59

Instrument :

BNA_G

ClientSampleId :

OK-03-090618MSD

Tgt Ion:136 Resp: 243948

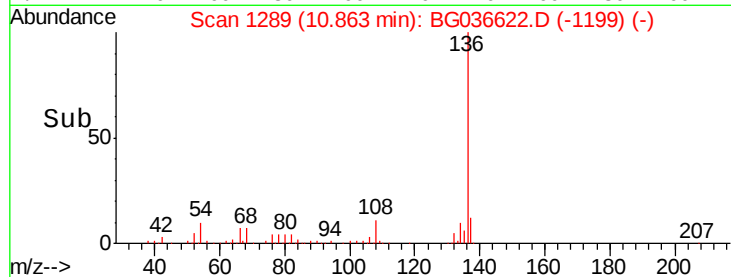
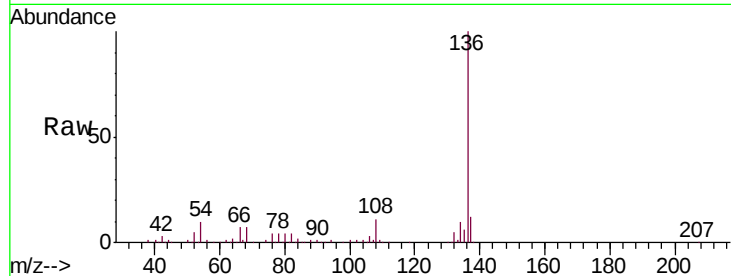
Ion Ratio Lower Upper

136 100

137 11.9 8.8 13.2

54 10.0 9.2 13.8

68 7.0 5.8 8.6

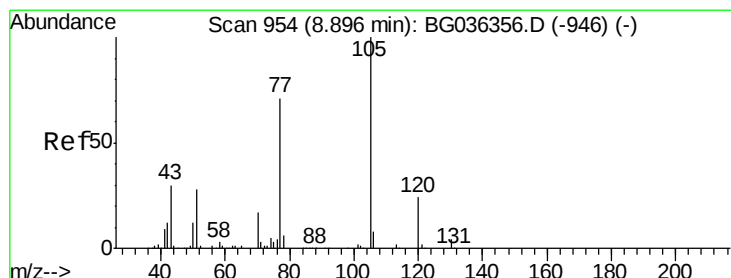
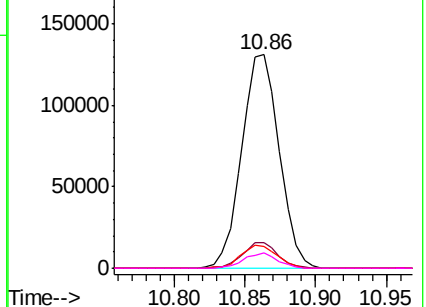


Abundance Ion 136.00 (135.70 to 136.70): E

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: 42.345 ng

RT: 8.88 min Scan# 951

Delta R.T. -0.00 min

Lab File: BG036622.D

Acq: 8 Sep 2018 7:59

Tgt Ion:105 Resp: 271262

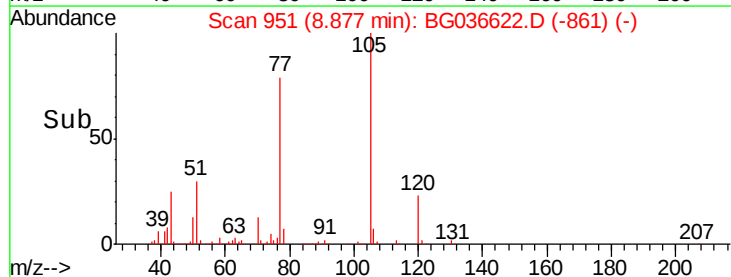
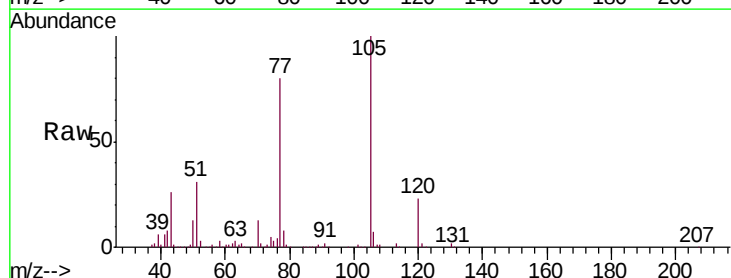
Ion Ratio Lower Upper

105 100

71 1.9 2.4 3.6#

51 30.8 25.9 38.9

120 23.5 19.4 29.0

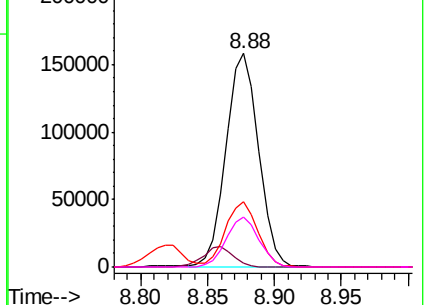


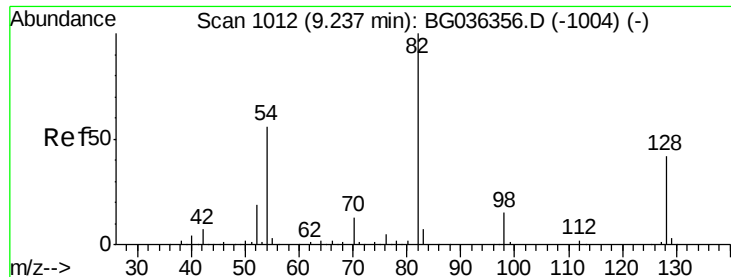
Abundance Ion 105.00 (104.70 to 105.70): E

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

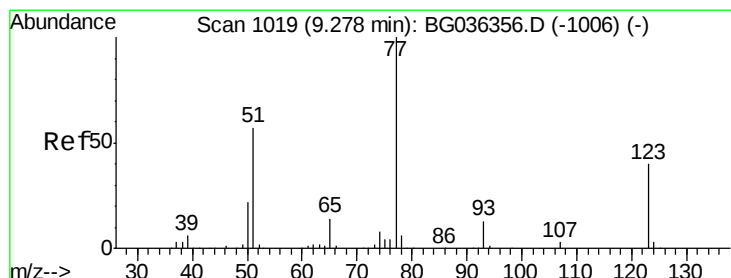
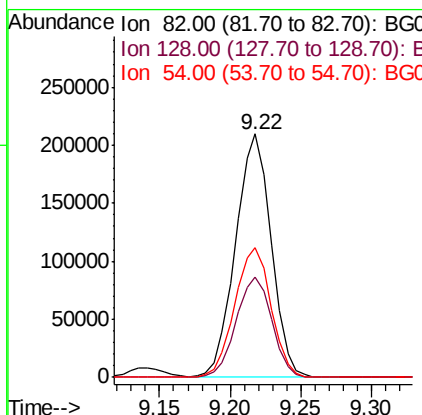
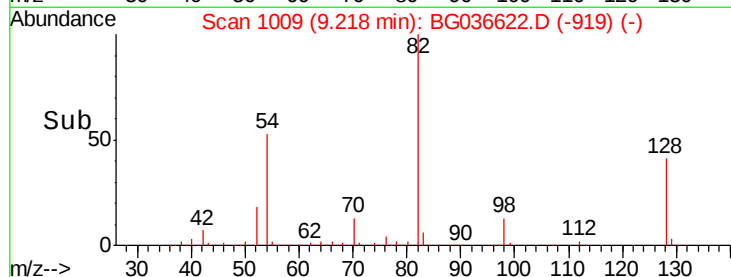
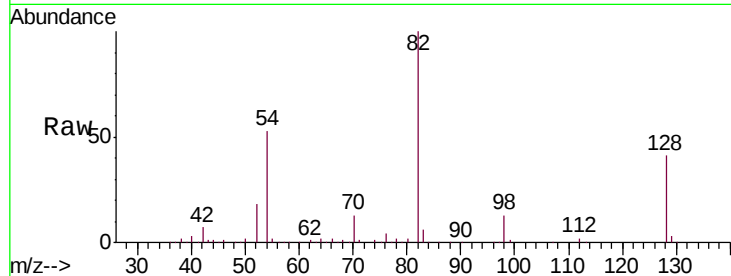




#23
 Nitrobenzene-d5
 Concen: 82.280 ng
 RT: 9.22 min Scan# 1009
 Delta R.T. -0.00 min
 Lab File: BG036622.D
 Acq: 8 Sep 2018 7:59

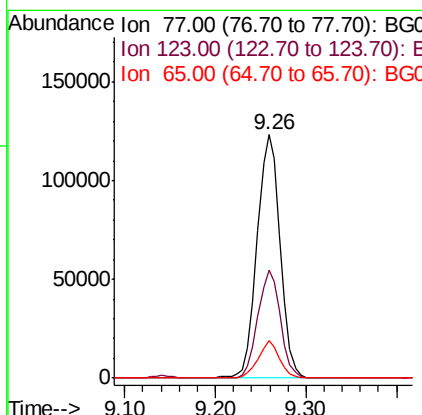
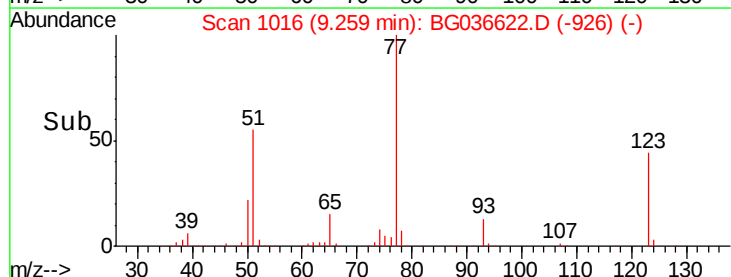
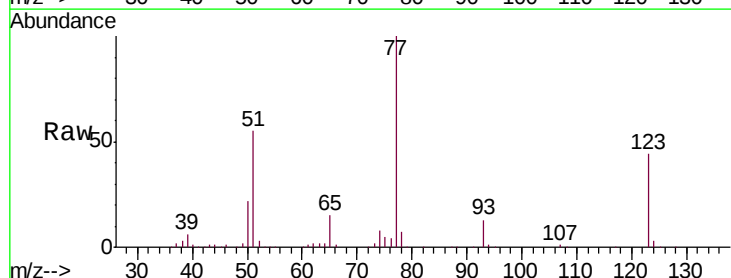
Instrument :
 BNA_G
 ClientSampleId :
 OK-03-090618MSD

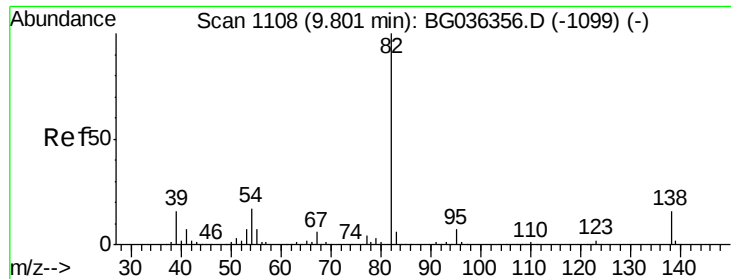
Tgt Ion: 82 Resp: 369944
 Ion Ratio Lower Upper
 82 100
 128 41.2 33.3 49.9
 54 53.5 45.1 67.7



#24
 Nitrobenzene
 Concen: 44.677 ng
 RT: 9.26 min Scan# 1016
 Delta R.T. -0.00 min
 Lab File: BG036622.D
 Acq: 8 Sep 2018 7:59

Tgt Ion: 77 Resp: 216611
 Ion Ratio Lower Upper
 77 100
 123 44.1 32.4 48.6
 65 15.2 11.5 17.3





#25

Isophorone

Concen: 46.553 ng

RT: 9.78 min Scan# 1105

Delta R.T. -0.00 min

Lab File: BG036622.D

Acq: 8 Sep 2018 7:59

Instrument :

BNA_G

ClientSampleId :

OK-03-090618MSD

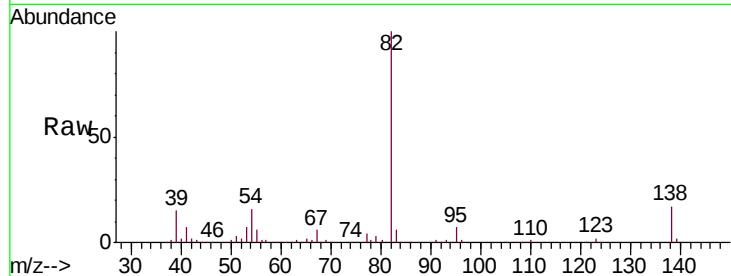
Tgt Ion: 82 Resp: 415802

Ion Ratio Lower Upper

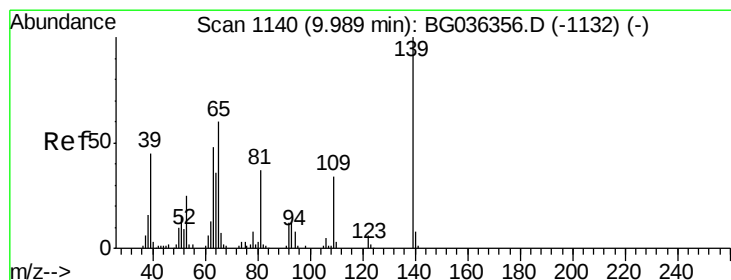
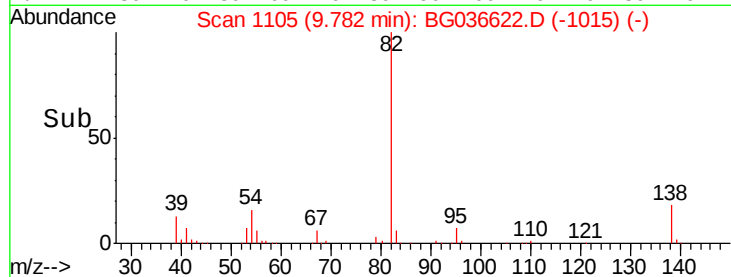
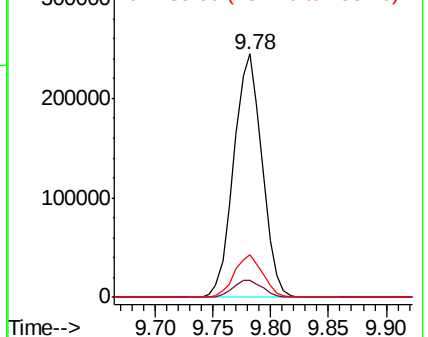
82 100

95 7.1 5.8 8.8

138 17.4 12.9 19.3



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 95.00 (94.70 to 95.70): BGC
Ion 138.00 (137.70 to 138.70): BGC



#26

2-Nitrophenol

Concen: 50.583 ng

RT: 9.97 min Scan# 1137

Delta R.T. -0.00 min

Lab File: BG036622.D

Acq: 8 Sep 2018 7:59

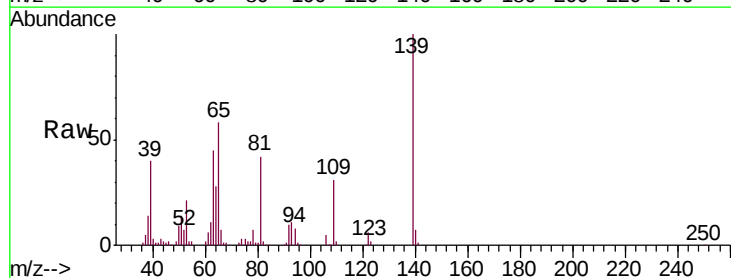
Tgt Ion: 139 Resp: 97182

Ion Ratio Lower Upper

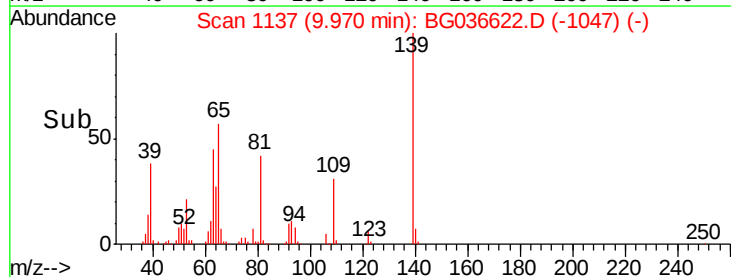
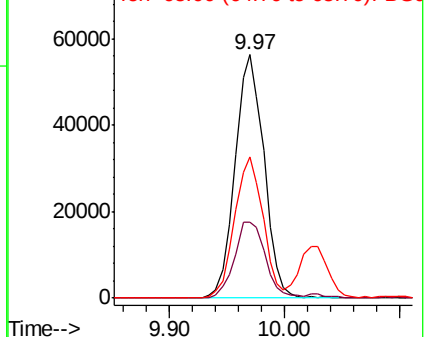
139 100

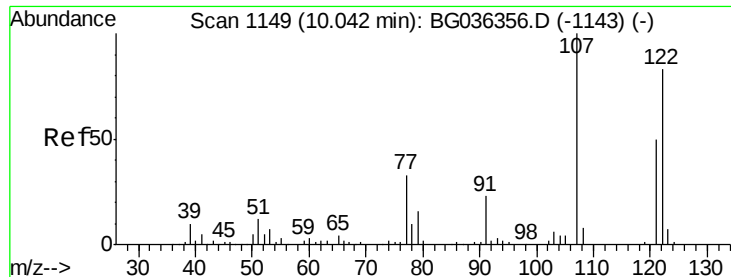
109 31.2 27.4 41.0

65 57.8 47.8 71.6



Abundance Ion 139.00 (138.70 to 139.70): BGC
Ion 109.00 (108.70 to 109.70): BGC
Ion 65.00 (64.70 to 65.70): BGC

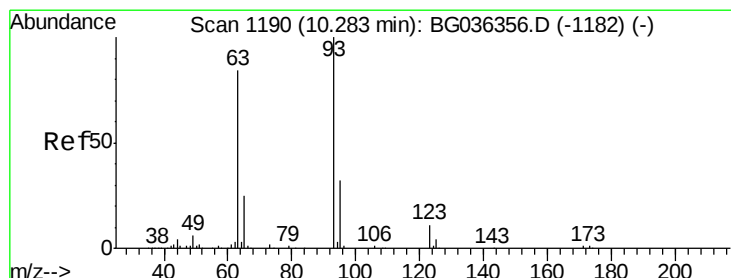
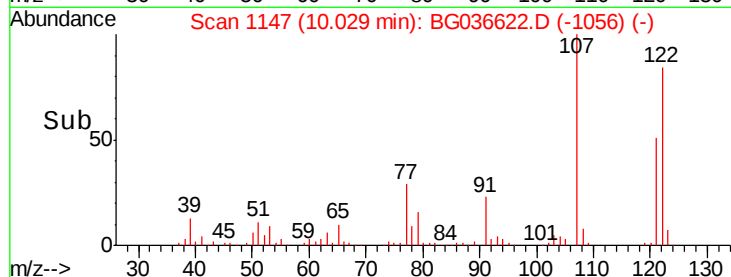
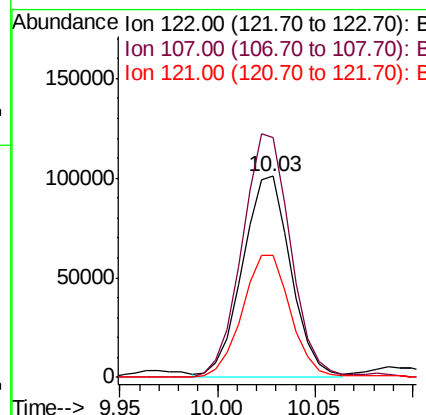
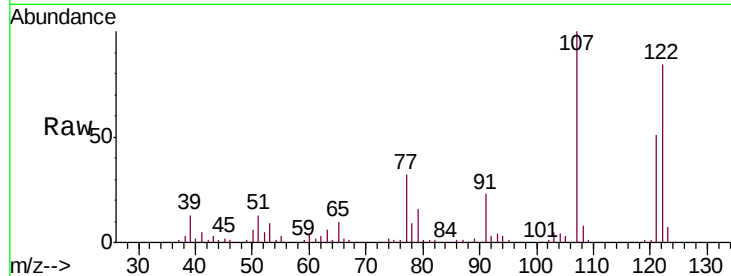




#27
 2,4-Dimethylphenol
 Concen: 48.598 ng
 RT: 10.03 min Scan# 1147
 Delta R.T. 0.00 min
 Lab File: BG036622.D
 Acq: 8 Sep 2018 7:59

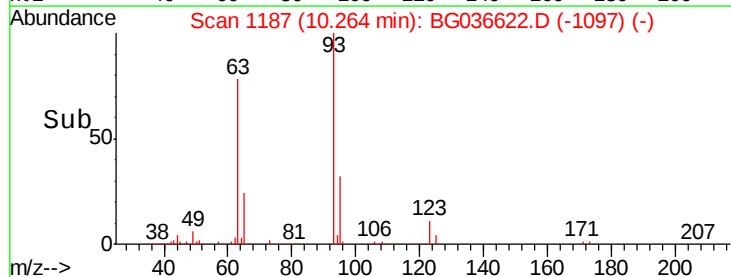
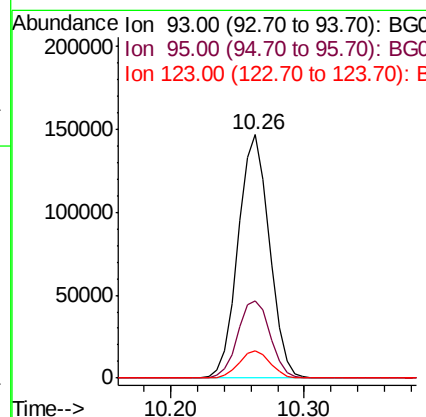
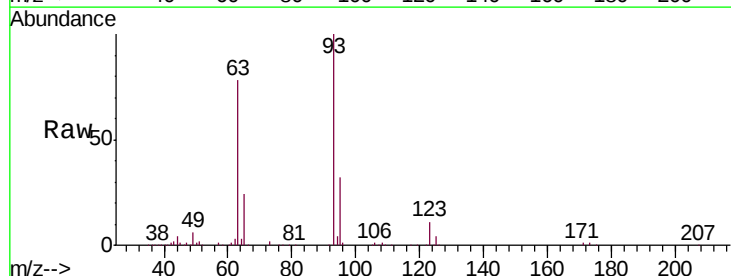
Instrument :
 BNA_G
 ClientSampleId :
 OK-03-090618MSD

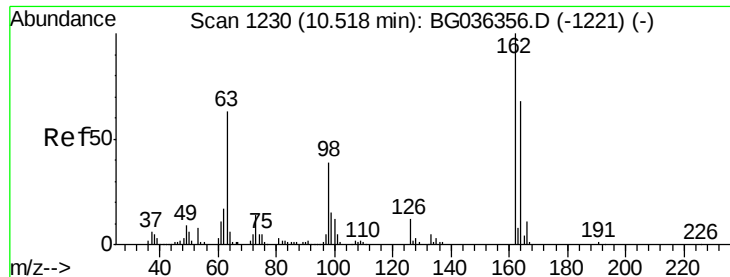
Tgt Ion:122 Resp: 172861
 Ion Ratio Lower Upper
 122 100
 107 119.3 96.0 144.0
 121 61.0 48.2 72.4



#28
 bis(2-Chloroethoxy)methane
 Concen: 43.432 ng
 RT: 10.26 min Scan# 1187
 Delta R.T. -0.00 min
 Lab File: BG036622.D
 Acq: 8 Sep 2018 7:59

Tgt Ion: 93 Resp: 238084
 Ion Ratio Lower Upper
 93 100
 95 31.9 25.2 37.8
 123 11.5 8.6 12.8

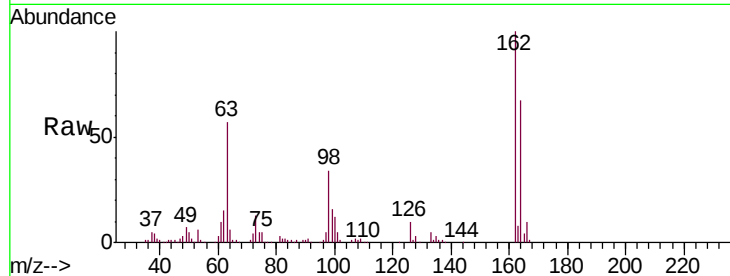




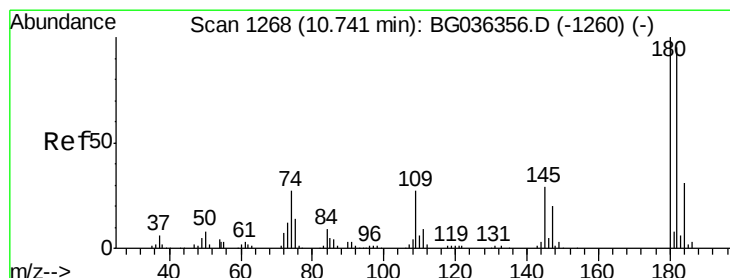
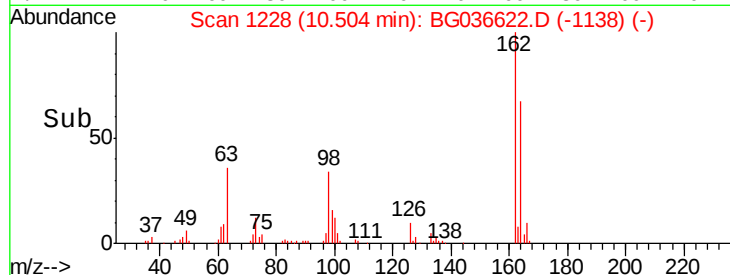
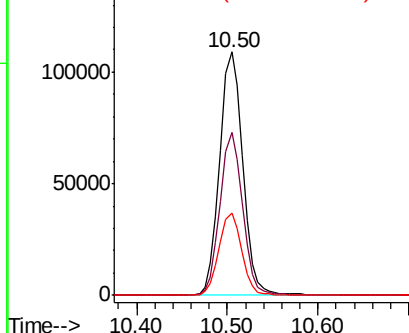
#29
2,4-Dichlorophenol
Concen: 49.722 ng
RT: 10.50 min Scan# 1228
Delta R.T. -0.00 min
Lab File: BG036622.D
Acq: 8 Sep 2018 7:59

Instrument :
BNA_G
ClientSampleId :
OK-03-090618MSD

Tgt Ion	Ratio	Lower	Upper
162	100		
164	66.8	47.6	87.6
98	33.6	19.2	59.2

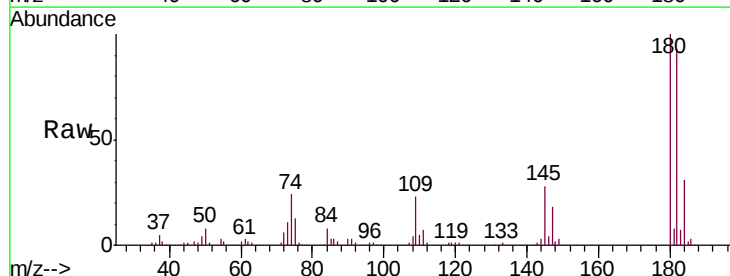


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): BGC

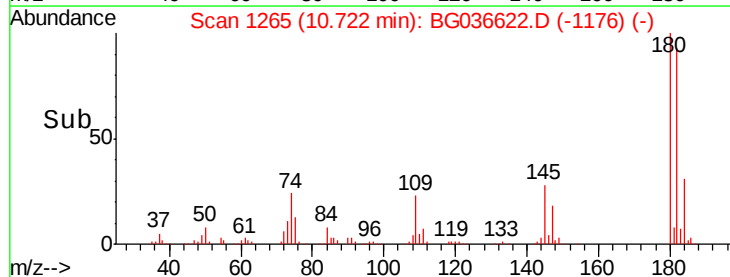
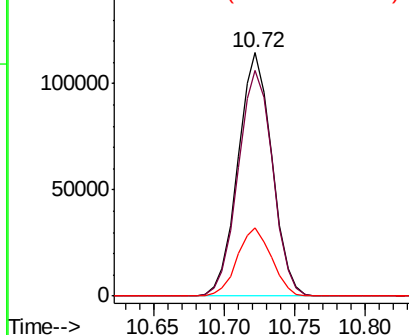


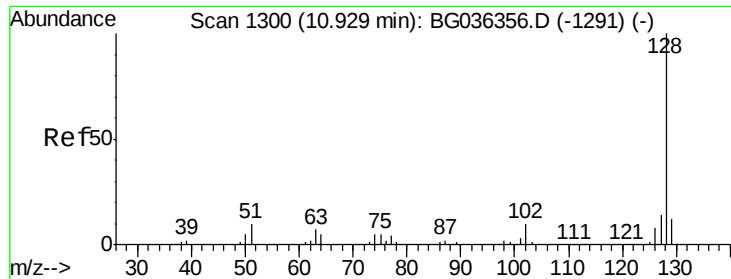
#30
1,2,4-Trichlorobenzene
Concen: 42.266 ng
RT: 10.72 min Scan# 1265
Delta R.T. -0.01 min
Lab File: BG036622.D
Acq: 8 Sep 2018 7:59

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.9	76.0	114.0
145	28.3	22.9	34.3



Abundance Ion 180.00 (179.70 to 180.70): E
Ion 182.00 (181.70 to 182.70): E
Ion 145.00 (144.70 to 145.70): E

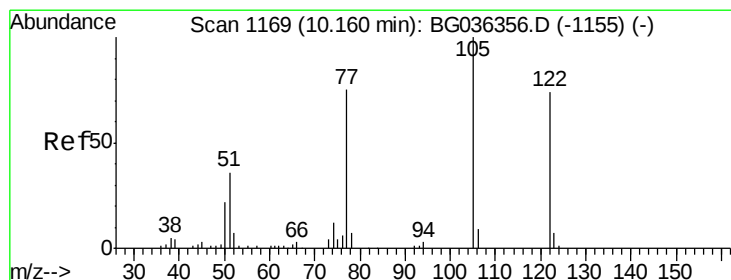
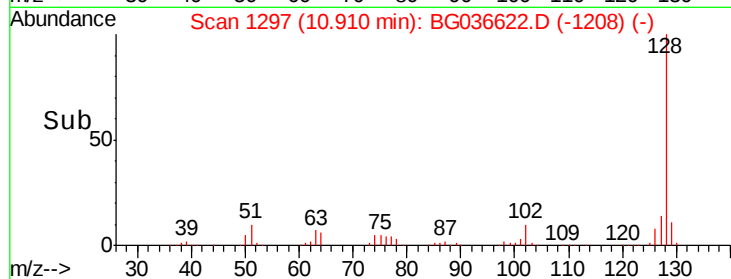
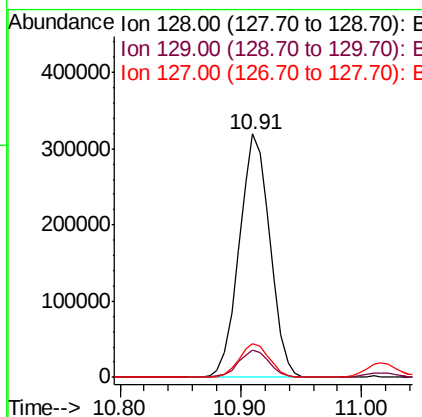
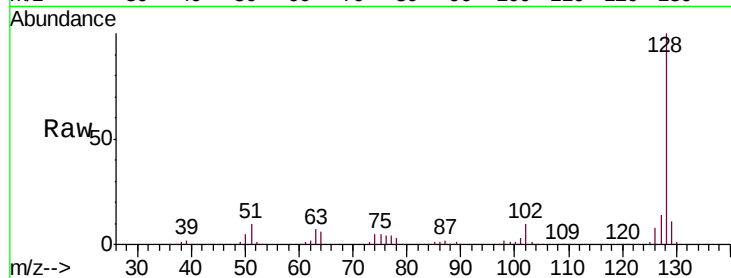




#31
Naphthalene
Concen: 46.383 ng
RT: 10.91 min Scan# 1297
Delta R.T. -0.01 min
Lab File: BG036622.D
Acq: 8 Sep 2018 7:59

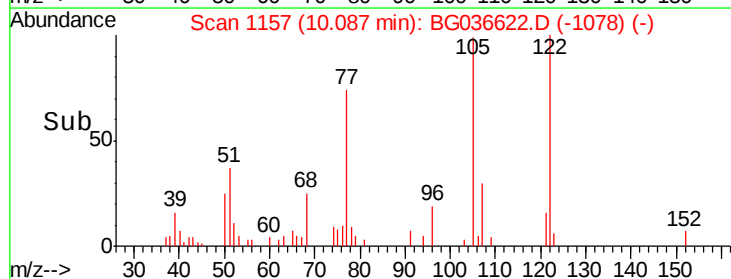
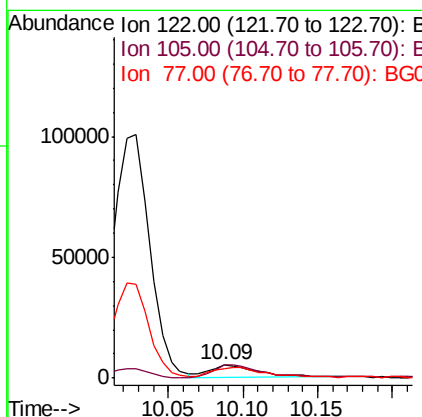
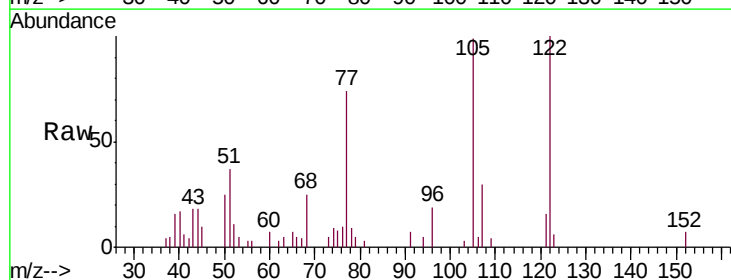
Instrument :
BNA_G
ClientSampleId :
OK-03-090618MSD

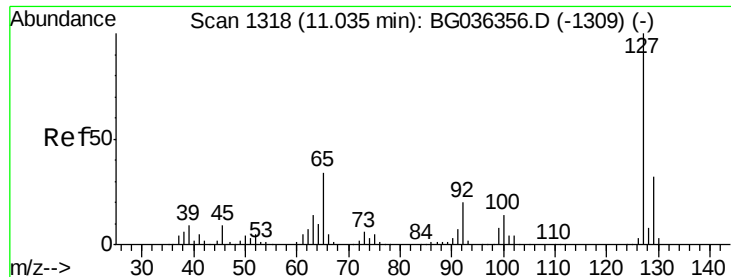
Tgt Ion:128 Resp: 565624
Ion Ratio Lower Upper
128 100
129 11.4 9.4 14.2
127 13.8 11.0 16.4



#32
Benzoic acid
Concen: 8.258 ng
RT: 10.09 min Scan# 1157
Delta R.T. -0.07 min
Lab File: BG036622.D
Acq: 8 Sep 2018 7:59

Tgt Ion:122 Resp: 10990
Ion Ratio Lower Upper
122 100
105 99.3 108.1 148.1#
77 74.0 76.3 116.3#

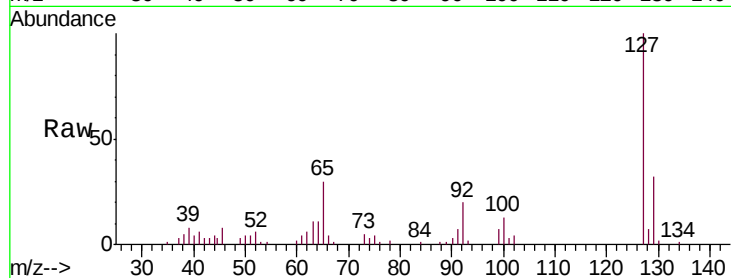




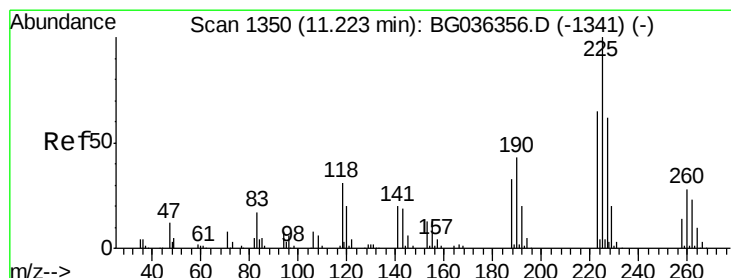
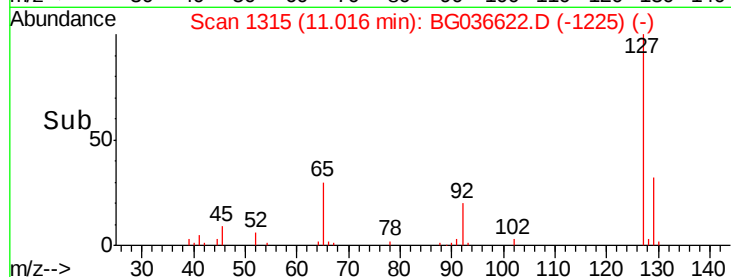
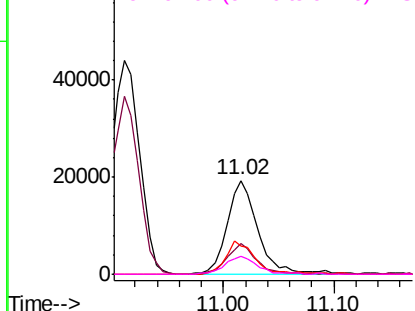
#33
4-Chloroaniline
Concen: 6.727 ng
RT: 11.02 min Scan# 1315
Delta R.T. -0.00 min
Lab File: BG036622.D
Acq: 8 Sep 2018 7:59

Instrument :
BNA_G
ClientSampleId :
OK-03-090618MSD

Tgt Ion:	127	Resp:	37593
Ion	Ratio	Lower	Upper
127	100		
129	32.2	25.9	38.9
65	30.5	27.5	41.3
92	19.8	16.2	24.2

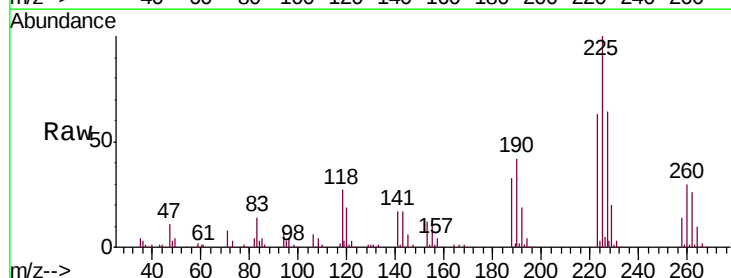


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BGO
Ion 92.00 (91.70 to 92.70): BGO

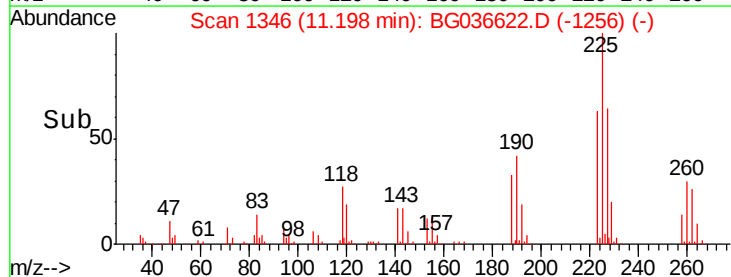
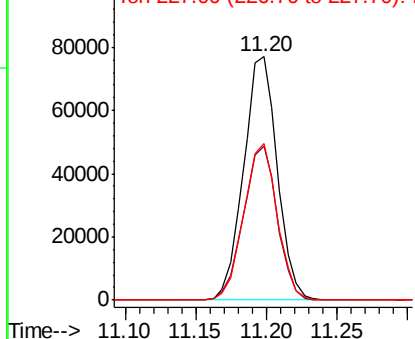


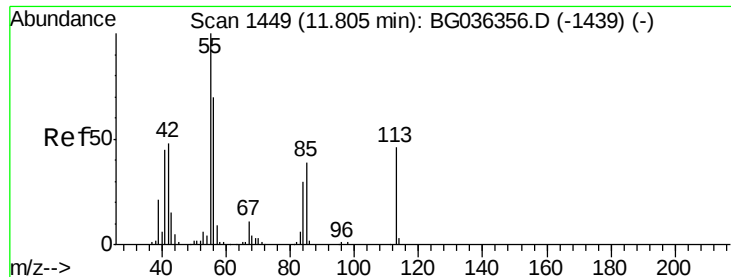
#34
Hexachlorobutadiene
Concen: 42.080 ng
RT: 11.20 min Scan# 1346
Delta R.T. -0.00 min
Lab File: BG036622.D
Acq: 8 Sep 2018 7:59

Tgt Ion:	225	Resp:	128933
Ion	Ratio	Lower	Upper
225	100		
223	63.0	51.8	77.8
227	64.5	49.8	74.6



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: 33.421 ng

RT: 11.78 min Scan# 1445

Delta R.T. -0.02 min

Lab File: BG036622.D

Acq: 8 Sep 2018 7:59

Instrument :

BNA_G

ClientSampleId :

OK-03-090618MSD

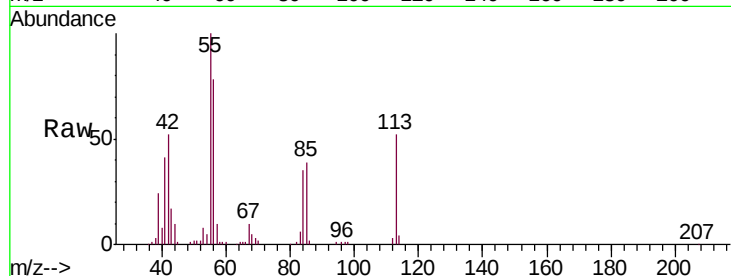
Tgt Ion:113 Resp: 51900

Ion Ratio Lower Upper

113 100

55 192.6 197.7 237.7#

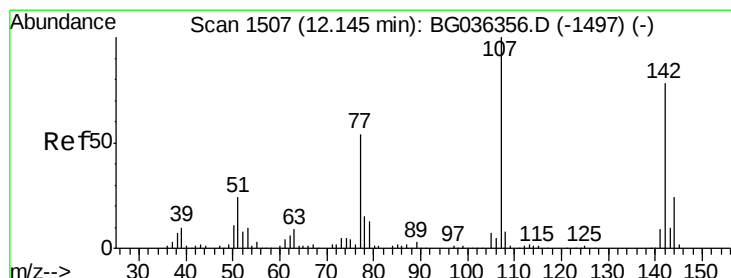
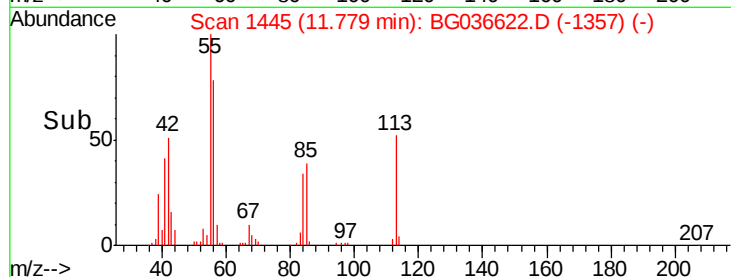
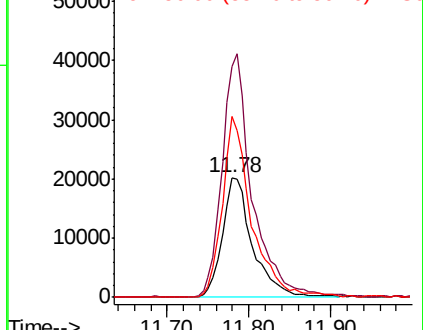
56 150.3 131.7 171.7



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: 47.701 ng

RT: 12.13 min Scan# 1505

Delta R.T. -0.00 min

Lab File: BG036622.D

Acq: 8 Sep 2018 7:59

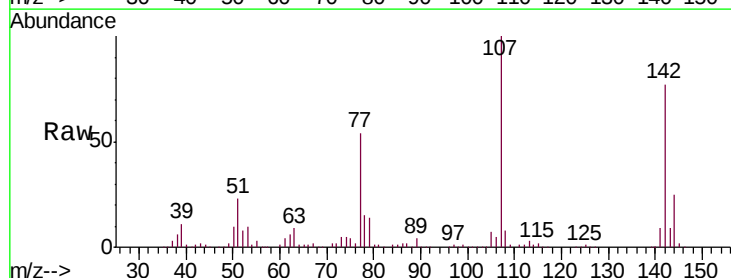
Tgt Ion:107 Resp: 216065

Ion Ratio Lower Upper

107 100

144 24.9 19.5 29.3

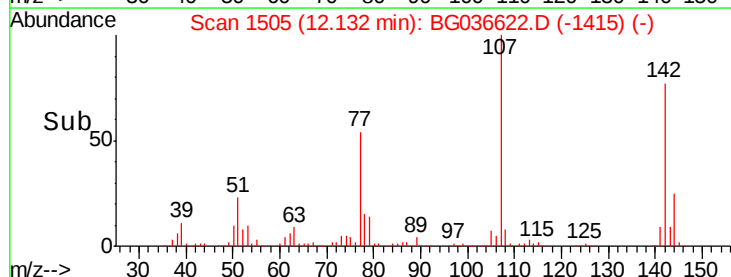
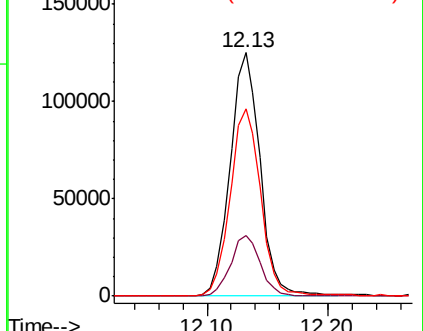
142 77.2 62.4 93.6

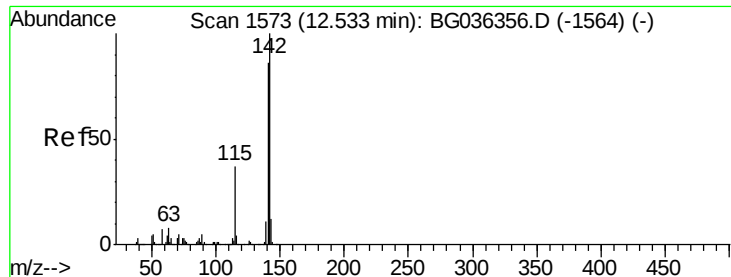


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

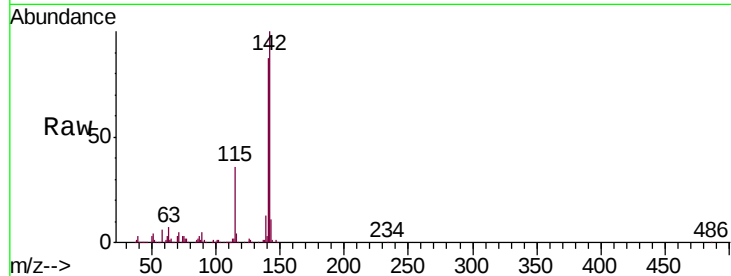




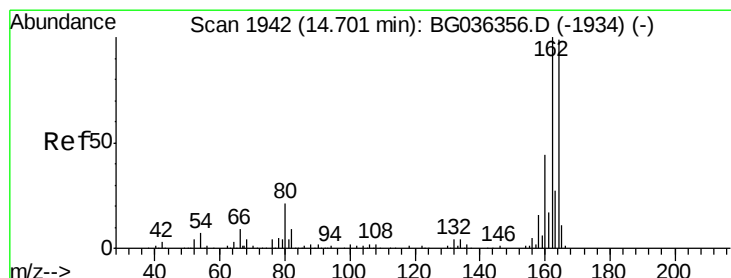
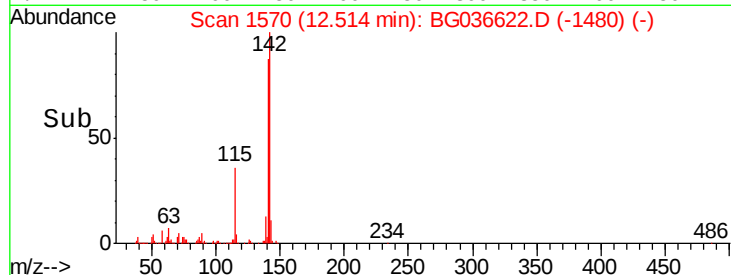
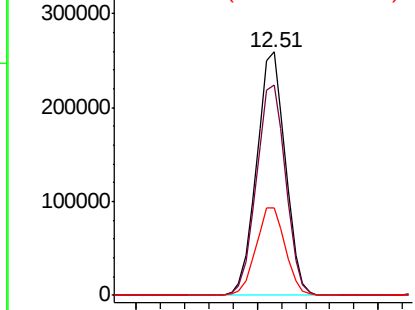
#37
2-Methylnaphthalene
Concen: 47.992 ng
RT: 12.51 min Scan# 1570
Delta R.T. -0.00 min
Lab File: BG036622.D
Acq: 8 Sep 2018 7:59

Instrument :
BNA_G
ClientSampleId :
OK-03-090618MSD

Tgt Ion	Ratio	Lower	Upper
142	100		
141	86.5	68.5	102.7
115	36.2	29.8	44.8

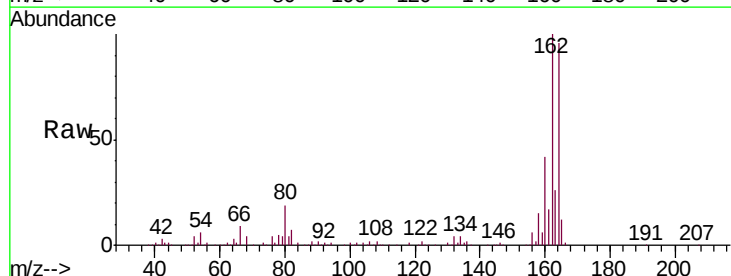


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

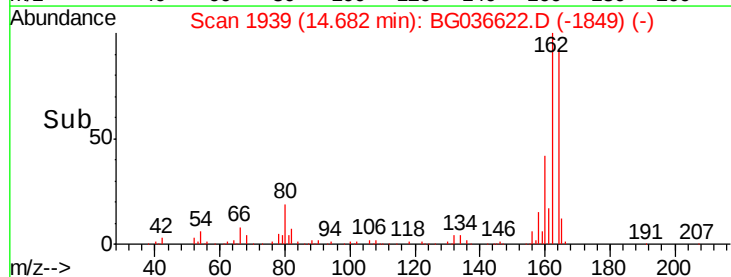
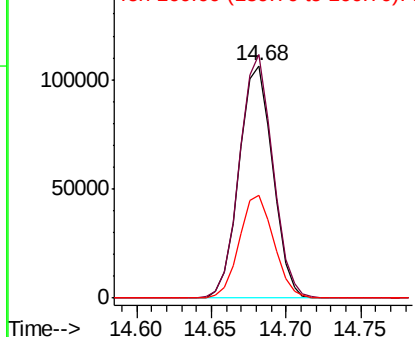


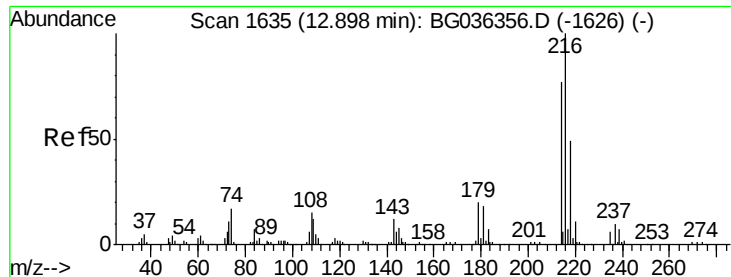
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.68 min Scan# 1939
Delta R.T. -0.00 min
Lab File: BG036622.D
Acq: 8 Sep 2018 7:59

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.6	80.7	121.1
160	44.2	35.3	52.9



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





#39

1,2,4,5-Tetrachlorobenzene

Concen: 42.043 ng

RT: 12.88 min Scan# 1632

Delta R.T. -0.00 min

Lab File: BG036622.D

Acq: 8 Sep 2018 7:59

Instrument :

BNA_G

ClientSampleId :

OK-03-090618MSD

Tgt Ion:216 Resp: 247023

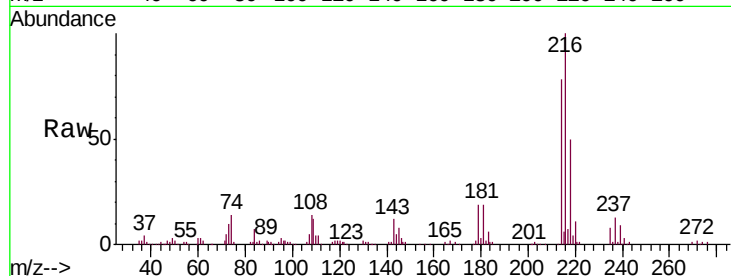
Ion Ratio Lower Upper

216 100

214 77.9 61.0 91.6

179 19.3 15.7 23.5

108 16.9 13.1 19.7

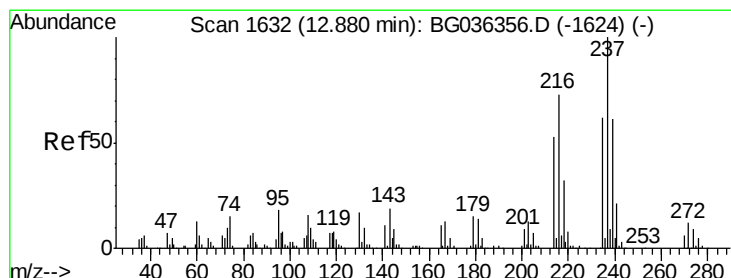
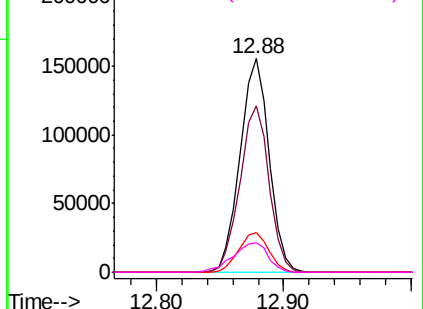
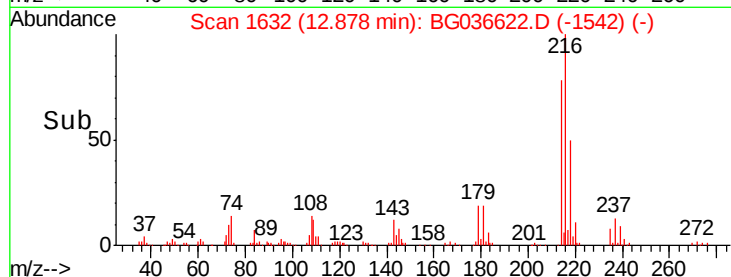


Abundance Ion 216.00 (215.70 to 216.70): E

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



#40

Hexachlorocyclopentadiene

Concen: 84.317 ng

RT: 12.85 min Scan# 1628

Delta R.T. -0.01 min

Lab File: BG036622.D

Acq: 8 Sep 2018 7:59

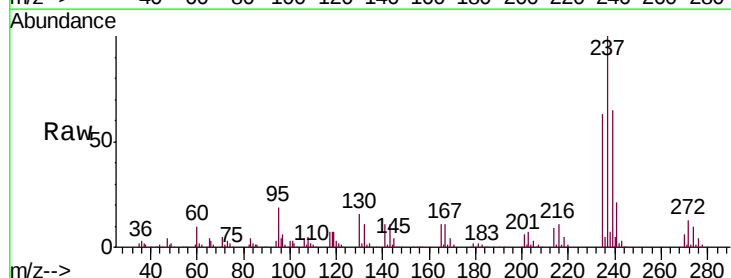
Tgt Ion:237 Resp: 257757

Ion Ratio Lower Upper

237 100

235 63.5 42.2 82.2

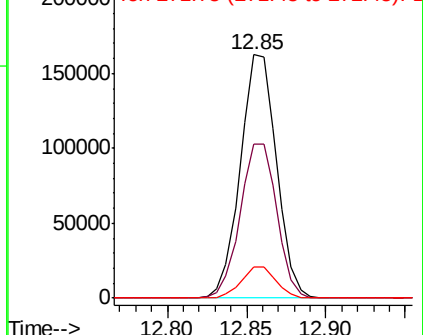
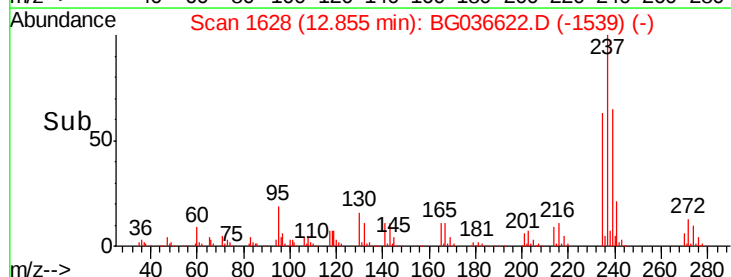
272 12.7 0.0 32.1

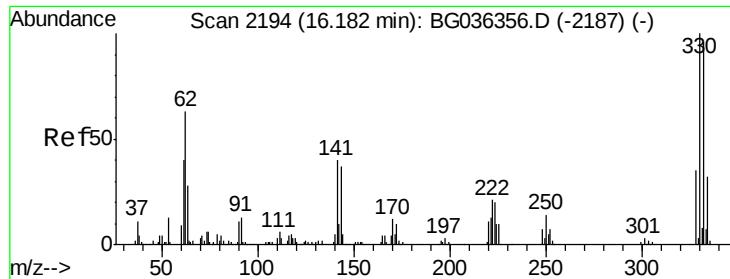


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

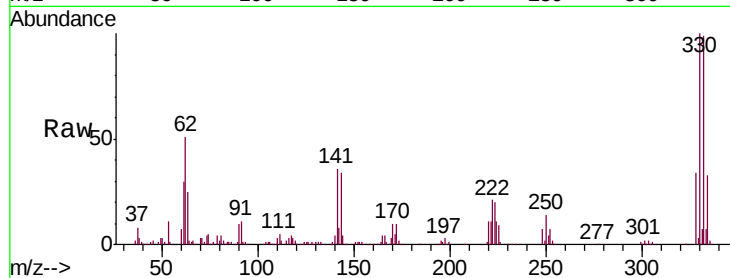




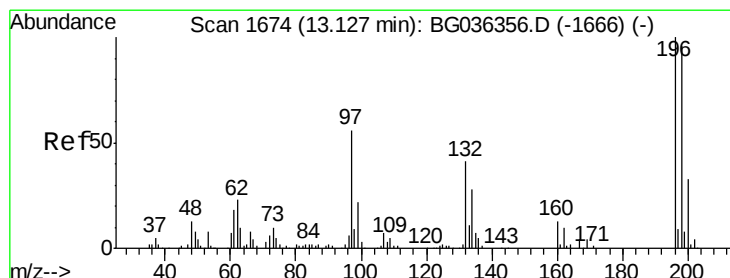
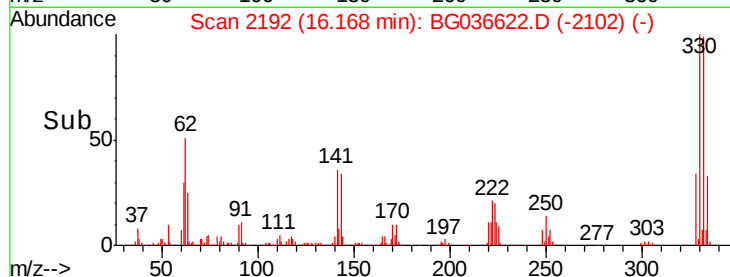
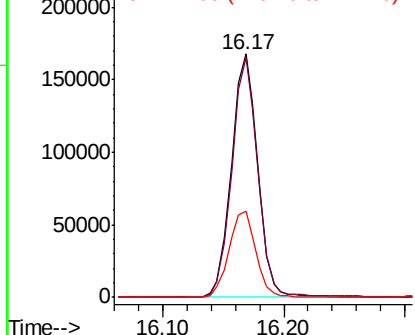
#41
 2,4,6-Tribromophenol
 Concen: 128.472 ng
 RT: 16.17 min Scan# 2192
 Delta R.T. -0.00 min
 Lab File: BG036622.D
 Acq: 8 Sep 2018 7:59

Instrument :
 BNA_G
 ClientSampleId :
 OK-03-090618MSD

Tgt Ion:330 Resp: 254511
 Ion Ratio Lower Upper
 330 100
 332 97.2 75.4 113.2
 141 36.4 30.7 46.1

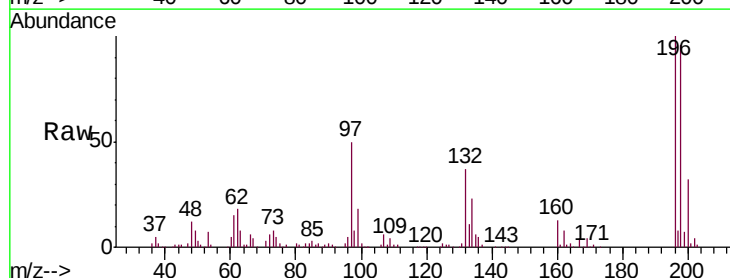


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

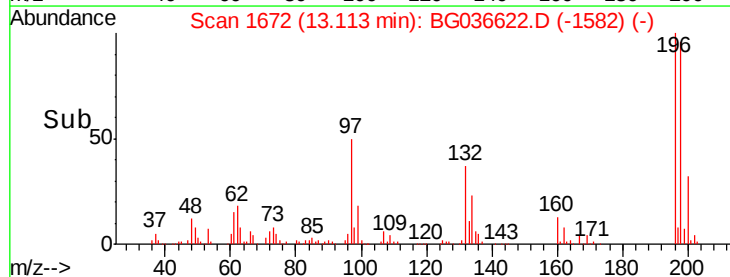
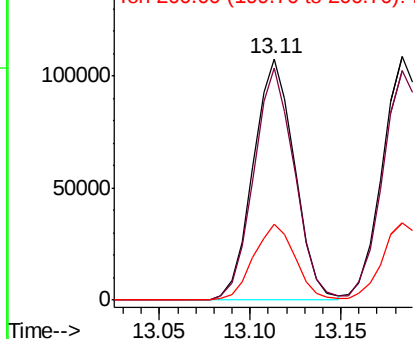


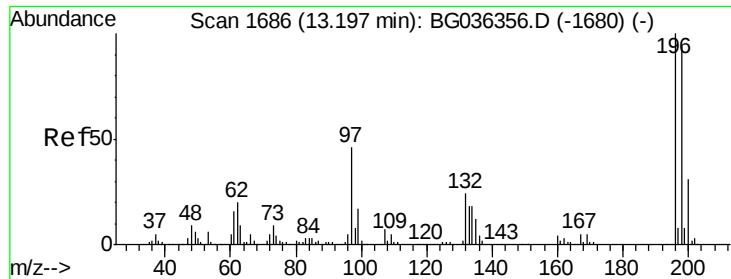
#42
 2,4,6-Trichlorophenol
 Concen: 47.511 ng
 RT: 13.11 min Scan# 1672
 Delta R.T. -0.00 min
 Lab File: BG036622.D
 Acq: 8 Sep 2018 7:59

Tgt Ion:196 Resp: 170045
 Ion Ratio Lower Upper
 196 100
 198 96.1 77.2 115.8
 200 31.7 26.3 39.5



Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E

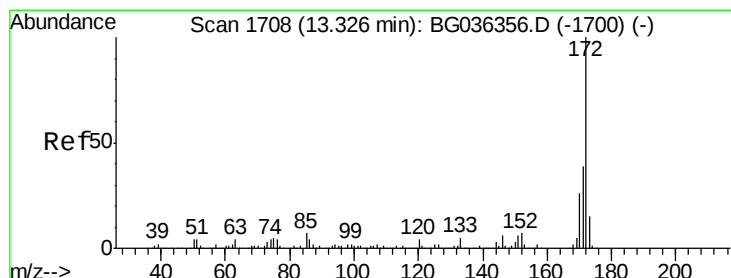
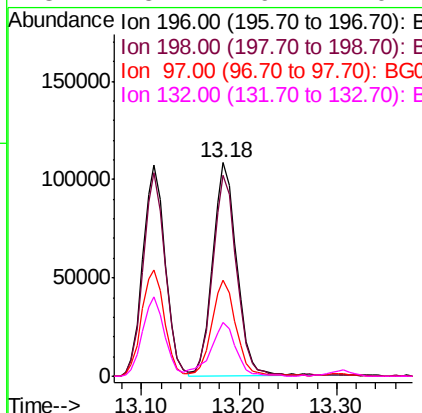
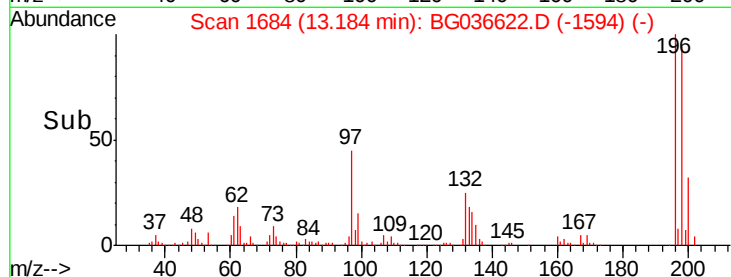
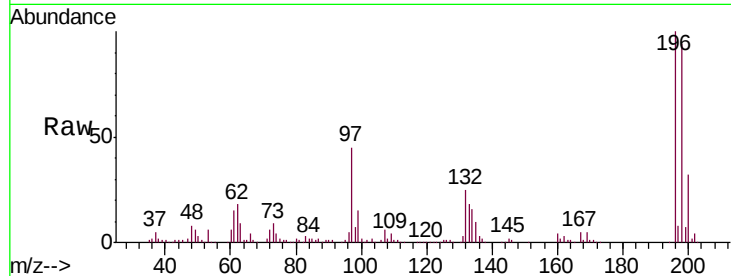




#43
 2,4,5-Trichlorophenol
 Concen: 48.675 ng
 RT: 13.18 min Scan# 1684
 Delta R.T. -0.00 min
 Lab File: BG036622.D
 Acq: 8 Sep 2018 7:59

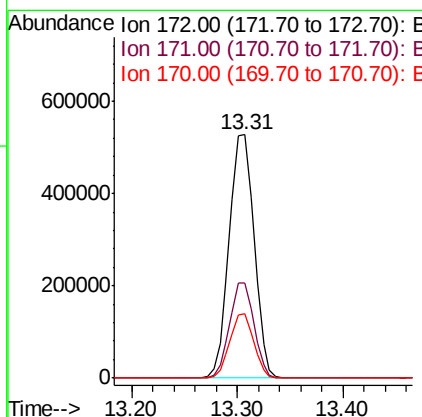
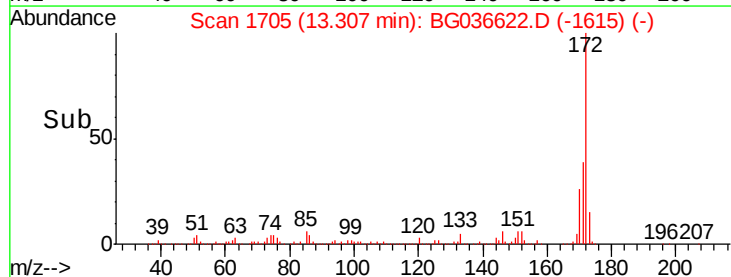
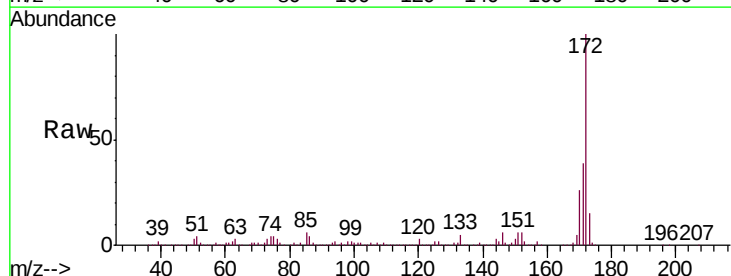
Instrument :
 BNA_G
 ClientSampleId :
 OK-03-090618MSD

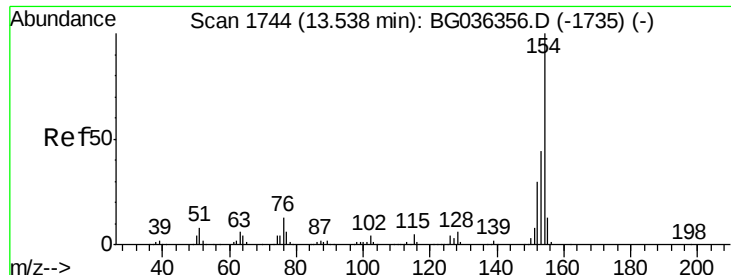
Tgt Ion:	196	Resp:	185812
Ion Ratio	Lower	Upper	
196	100		
198	94.2	75.6	113.4
97	44.8	37.2	55.8
132	25.2	19.4	29.2



#44
 2-Fluorobiphenyl
 Concen: 74.058 ng
 RT: 13.31 min Scan# 1705
 Delta R.T. -0.00 min
 Lab File: BG036622.D
 Acq: 8 Sep 2018 7:59

Tgt Ion:	172	Resp:	861144
Ion Ratio	Lower	Upper	
172	100		
171	39.2	31.3	46.9
170	26.2	21.0	31.6

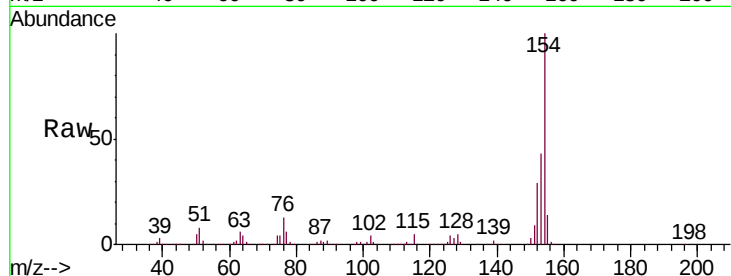




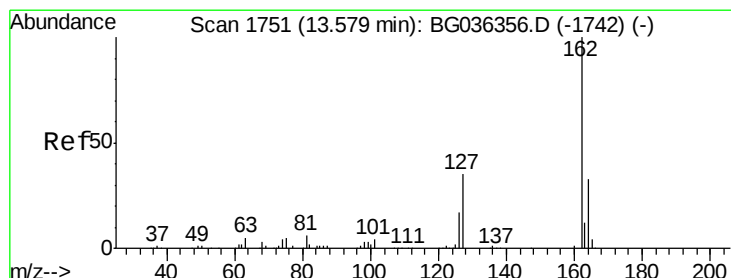
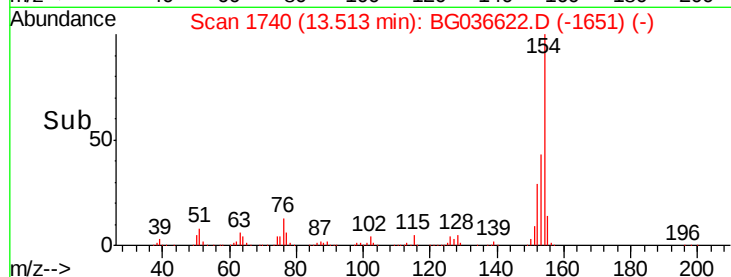
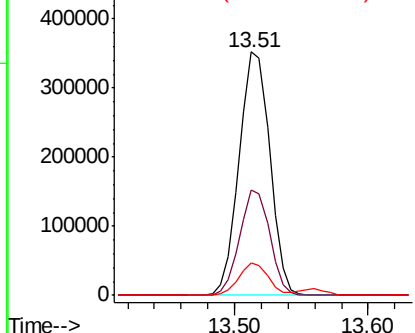
#45
 1,1'-Biphenyl
 Concen: 40.805 ng
 RT: 13.51 min Scan# 1740
 Delta R.T. -0.01 min
 Lab File: BG036622.D
 Acq: 8 Sep 2018 7:59

Instrument :
 BNA_G
 ClientSampleId :
 OK-03-090618MSD

Tgt Ion	Ratio	Lower	Upper
154	100		
153	43.3	24.0	64.0
76	13.2	0.0	32.9

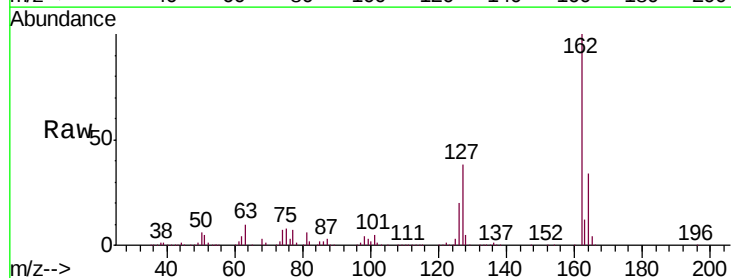


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BGC

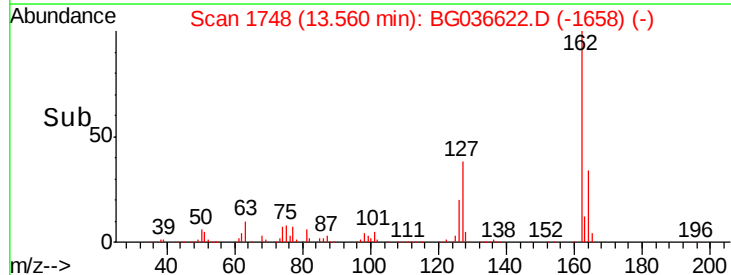
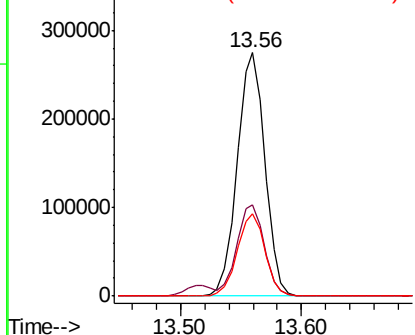


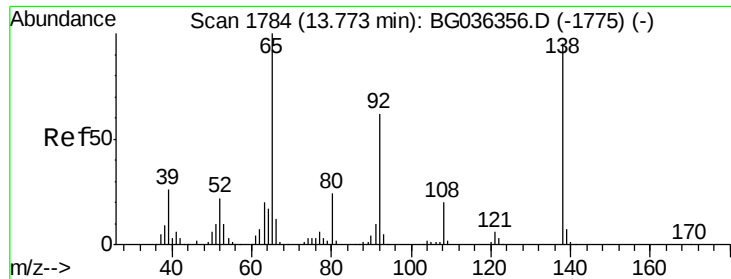
#46
 2-Chloronaphthalene
 Concen: 41.637 ng
 RT: 13.56 min Scan# 1748
 Delta R.T. -0.00 min
 Lab File: BG036622.D
 Acq: 8 Sep 2018 7:59

Tgt Ion	Ratio	Lower	Upper
162	100		
127	37.5	30.7	46.1
164	33.8	26.7	40.1



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

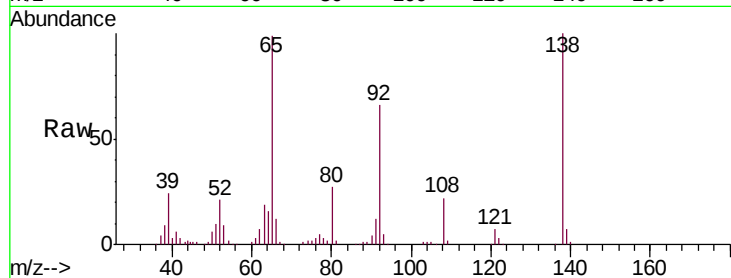




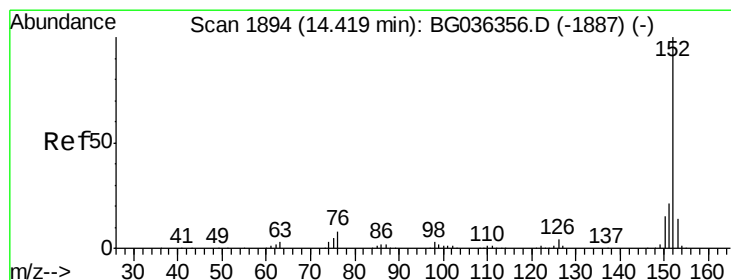
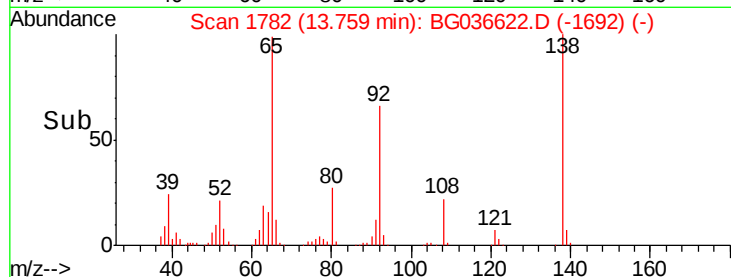
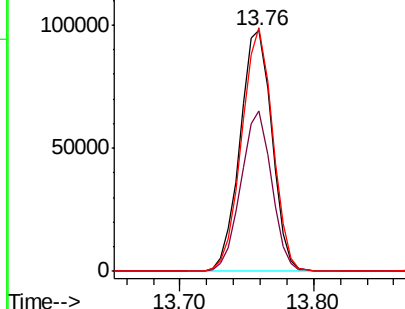
#47
2-Nitroaniline
Concen: 49.003 ng
RT: 13.76 min Scan# 1782
Delta R.T. -0.00 min
Lab File: BG036622.D
Acq: 8 Sep 2018 7:59

Instrument :
BNA_G
ClientSampleId :
OK-03-090618MSD

Tgt Ion: 65 Resp: 161895
Ion Ratio Lower Upper
65 100
92 66.6 49.9 74.9
138 101.1 76.2 114.4

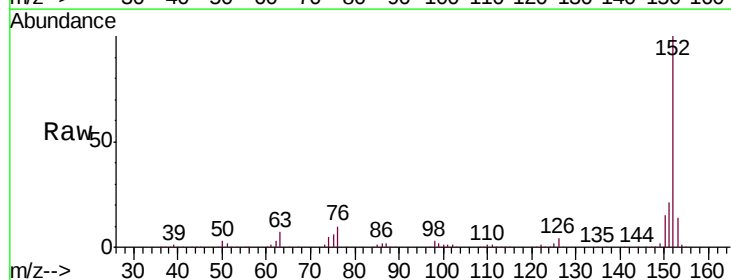


Abundance Ion 65.00 (64.70 to 65.70): BGC
Ion 92.00 (91.70 to 92.70): BGC
Ion 138.00 (137.70 to 138.70): BGC

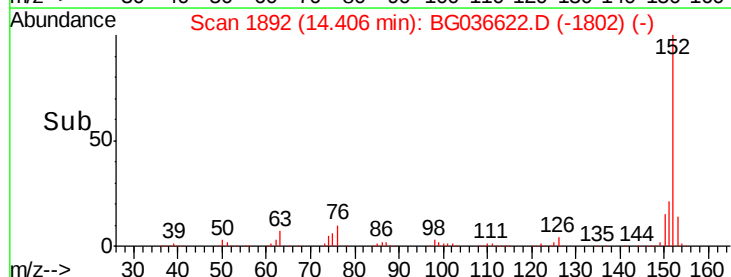
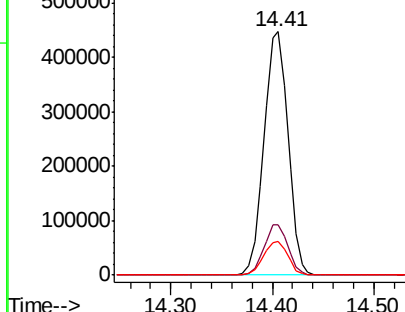


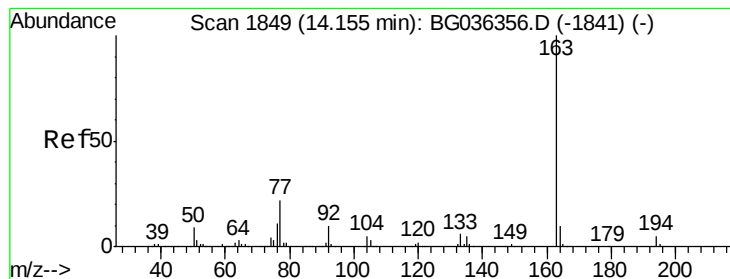
#48
Acenaphthylene
Concen: 44.936 ng
RT: 14.41 min Scan# 1892
Delta R.T. -0.00 min
Lab File: BG036622.D
Acq: 8 Sep 2018 7:59

Tgt Ion: 152 Resp: 738866
Ion Ratio Lower Upper
152 100
151 20.9 16.9 25.3
153 14.0 11.2 16.8



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





#49

Dimethylphthalate

Concen: 44.692 ng

RT: 14.14 min Scan# 1846

Delta R.T. -0.00 min

Lab File: BG036622.D

Acq: 8 Sep 2018 7:59

Instrument :

BNA_G

ClientSampleId :

OK-03-090618MSD

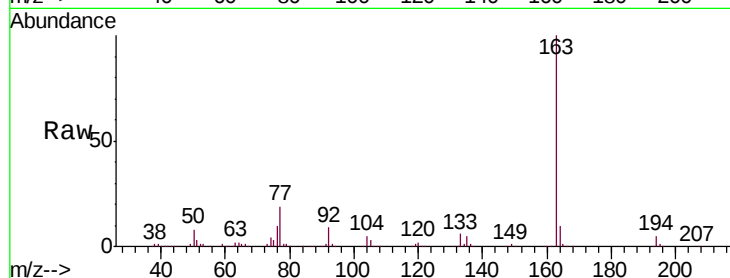
Tgt Ion:163 Resp: 605888

Ion Ratio Lower Upper

163 100

194 5.2 4.0 6.0

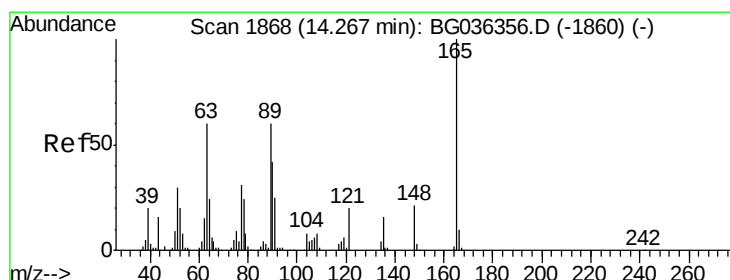
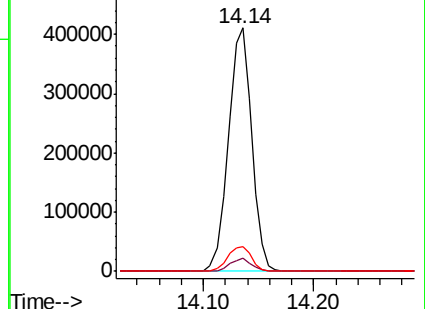
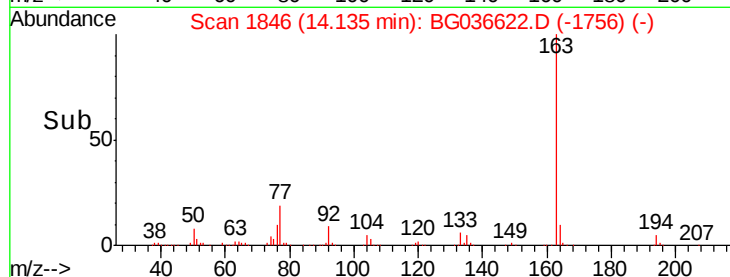
164 10.2 8.1 12.1



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



#50

2,6-Dinitrotoluene

Concen: 48.284 ng

RT: 14.25 min Scan# 1866

Delta R.T. -0.00 min

Lab File: BG036622.D

Acq: 8 Sep 2018 7:59

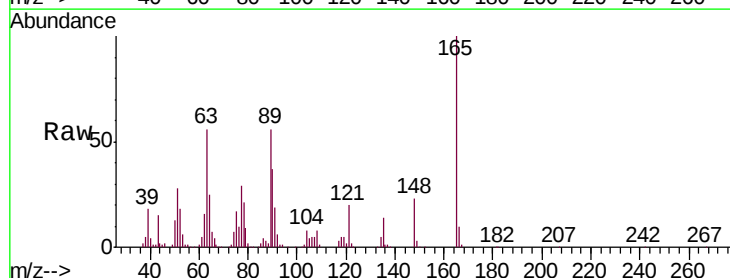
Tgt Ion:165 Resp: 134695

Ion Ratio Lower Upper

165 100

63 56.4 50.1 75.1

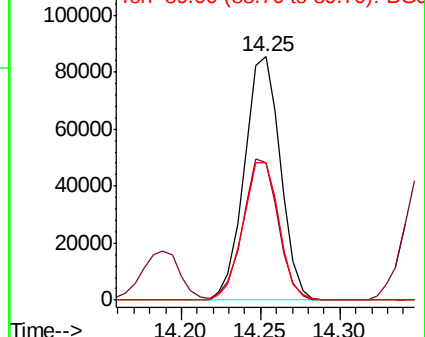
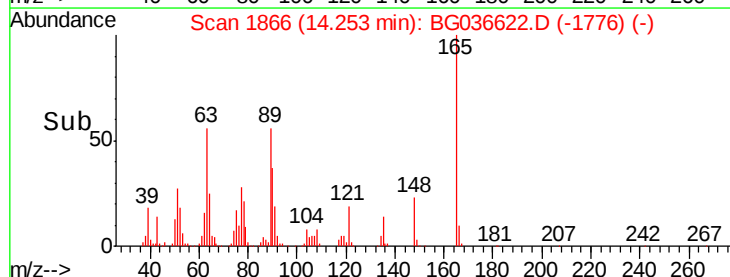
89 56.3 47.8 71.6

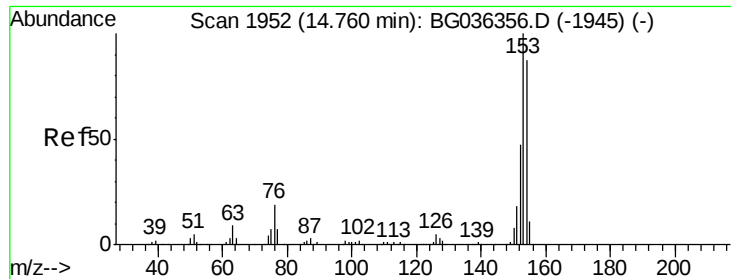


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC





#51

Acenaphthene

Concen: 42.102 ng

RT: 14.75 min Scan# 1950

Delta R.T. -0.00 min

Lab File: BG036622.D

Acq: 8 Sep 2018 7:59

Instrument :

BNA_G

ClientSampleId :

OK-03-090618MSD

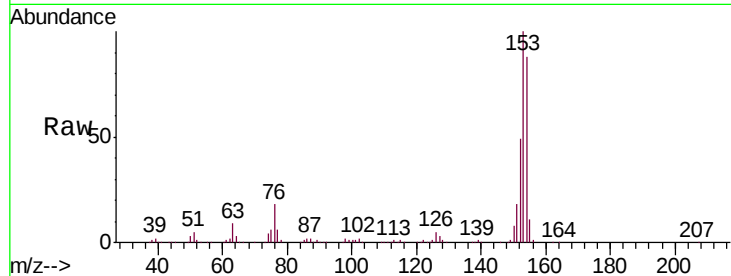
Tgt Ion:154 Resp: 443356

Ion Ratio Lower Upper

154 100

153 113.2 91.8 137.6

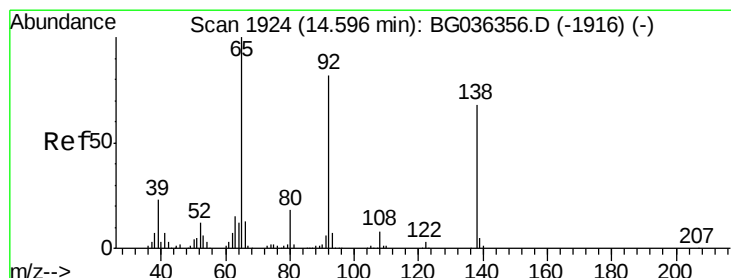
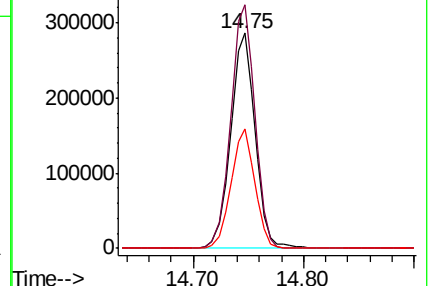
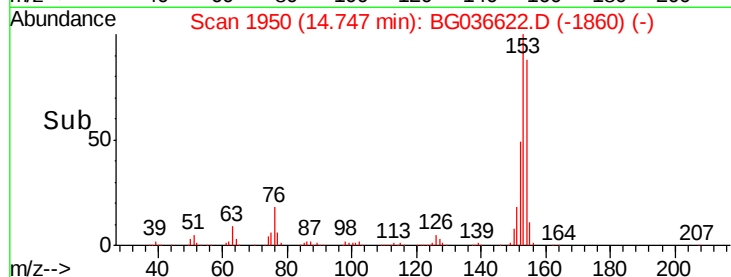
152 55.8 43.5 65.3



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 27.042 ng

RT: 14.58 min Scan# 1921

Delta R.T. -0.01 min

Lab File: BG036622.D

Acq: 8 Sep 2018 7:59

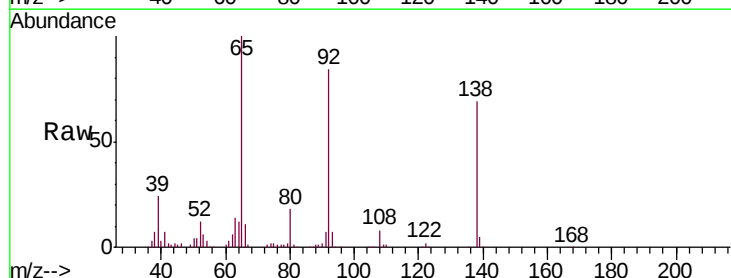
Tgt Ion:138 Resp: 81294

Ion Ratio Lower Upper

138 100

108 11.2 9.4 14.2

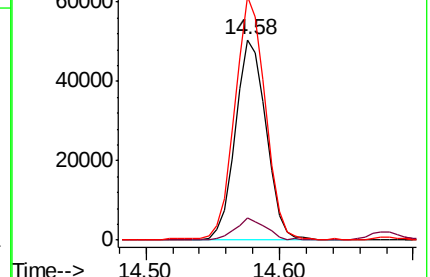
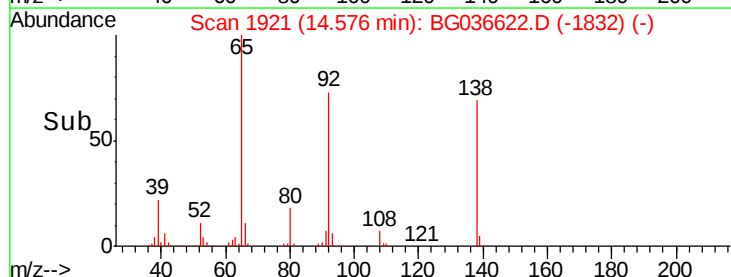
92 121.5 96.8 145.2

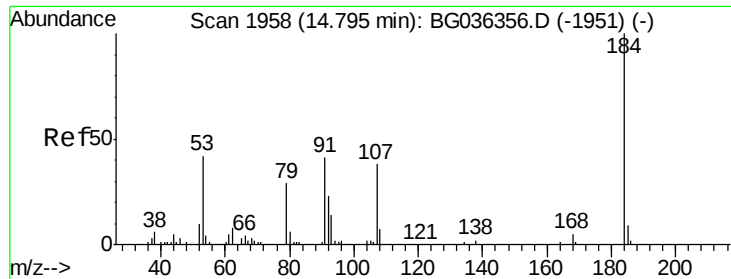


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BG

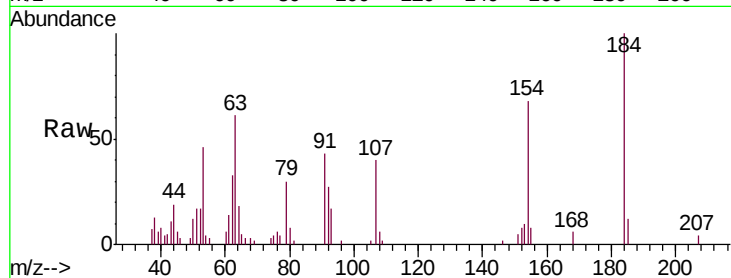




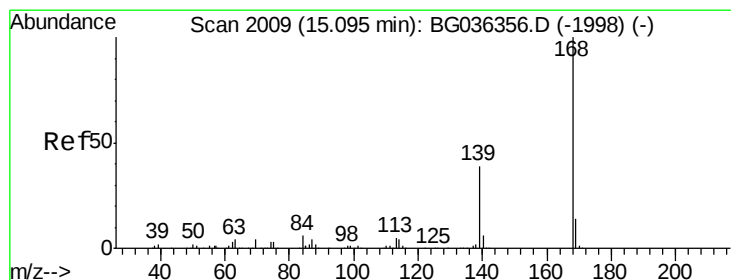
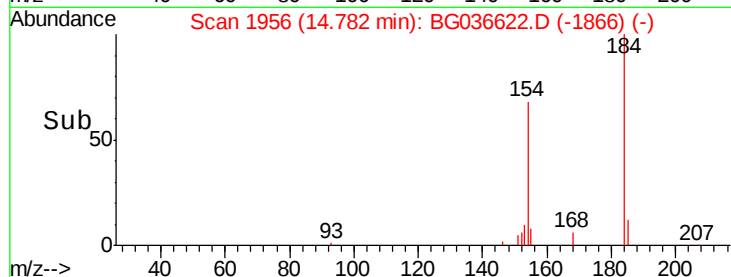
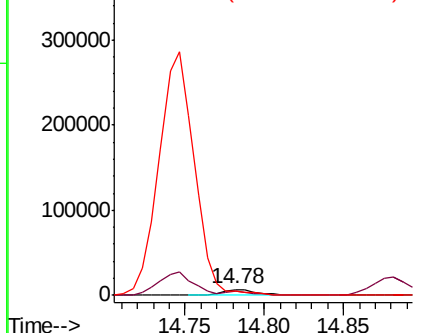
#53
 2,4-Dinitrophenol
 Concen: 10.890 ng
 RT: 14.78 min Scan# 1956
 Delta R.T. -0.00 min
 Lab File: BG036622.D
 Acq: 8 Sep 2018 7:59

Instrument :
 BNA_G
 ClientSampleId :
 OK-03-090618MSD

Tgt Ion:184 Resp: 11507
 Ion Ratio Lower Upper
 184 100
 63 61.2 47.3 70.9
 154 68.2 51.1 76.7

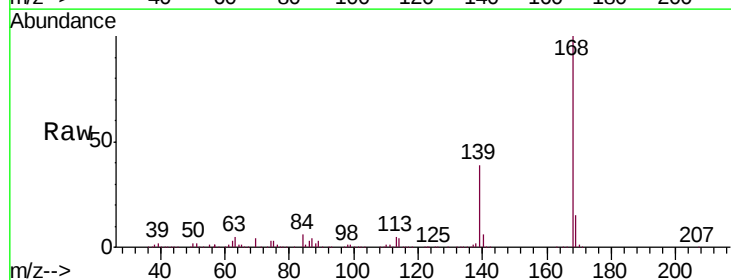


Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BG
 Ion 154.00 (153.70 to 154.70): E

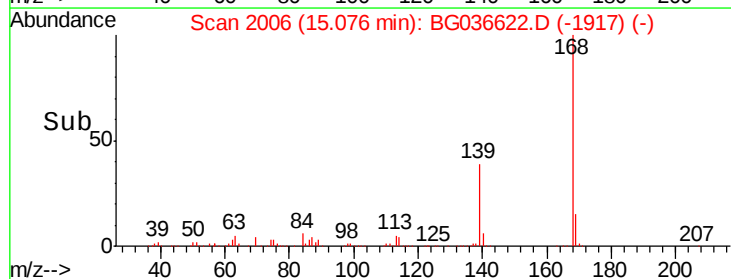
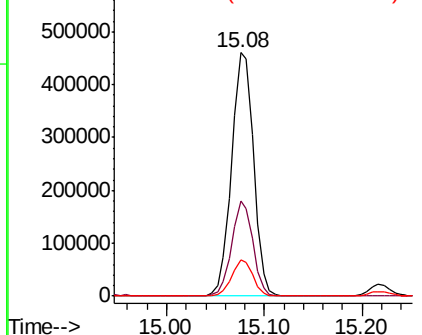


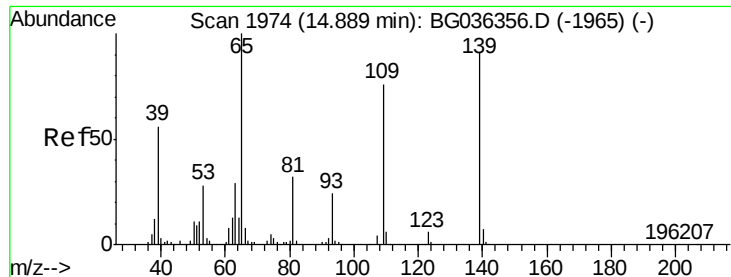
#54
 Dibenzofuran
 Concen: 43.613 ng
 RT: 15.08 min Scan# 2006
 Delta R.T. -0.01 min
 Lab File: BG036622.D
 Acq: 8 Sep 2018 7:59

Tgt Ion:168 Resp: 719519
 Ion Ratio Lower Upper
 168 100
 139 38.8 31.0 46.6
 169 14.8 11.1 16.7



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

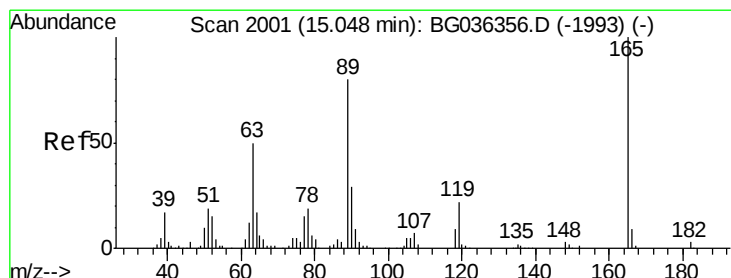
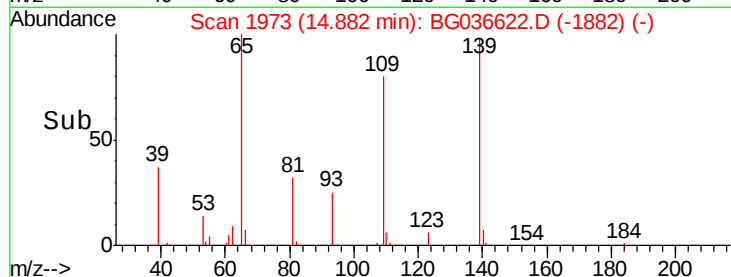
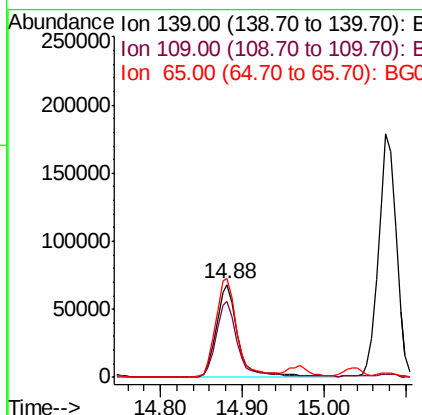
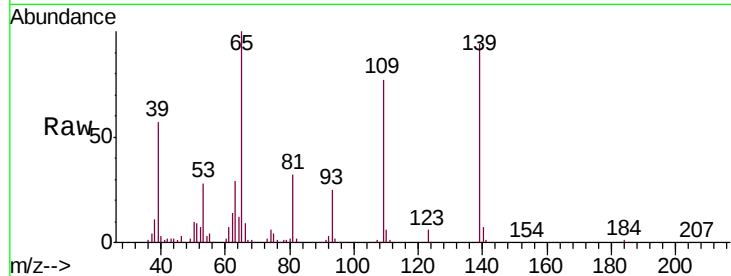




#55
4-Nitrophenol
Concen: 52.168 ng
RT: 14.88 min Scan# 1973
Delta R.T. 0.00 min
Lab File: BG036622.D
Acq: 8 Sep 2018 7:59

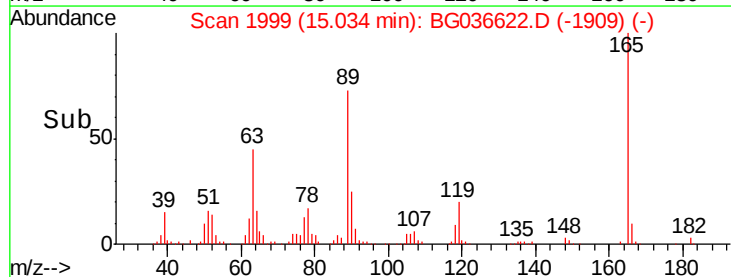
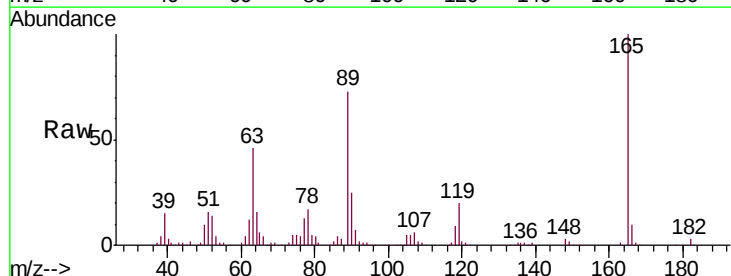
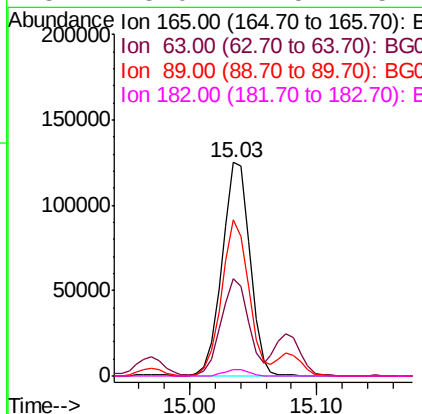
Instrument :
BNA_G
ClientSampleId :
OK-03-090618MSD

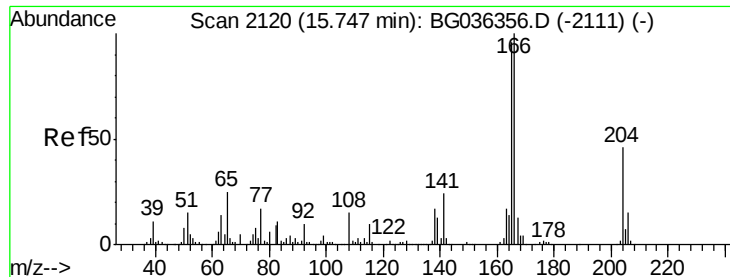
Tgt Ion	Ratio	Lower	Upper
139	100		
109	81.6	63.9	103.9
65	106.1	90.0	130.0



#56
2,4-Dinitrotoluene
Concen: 52.256 ng
RT: 15.03 min Scan# 1999
Delta R.T. -0.00 min
Lab File: BG036622.D
Acq: 8 Sep 2018 7:59

Tgt Ion	Ratio	Lower	Upper
165	100		
63	45.7	40.1	60.1
89	73.1	63.7	95.5
182	3.0	2.5	3.7





#57

Fluorene

Concen: 47.174 ng

RT: 15.73 min Scan# 2117

Delta R.T. -0.00 min

Lab File: BG036622.D

Acq: 8 Sep 2018 7:59

Instrument :

BNA_G

ClientSampleId :

OK-03-090618MSD

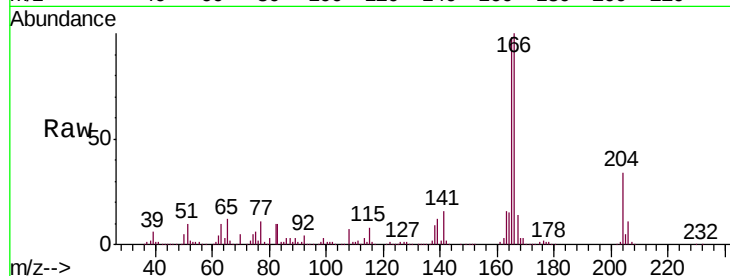
Tgt Ion:166 Resp: 581804

Ion Ratio Lower Upper

166 100

165 98.4 77.0 115.4

167 13.8 10.6 16.0

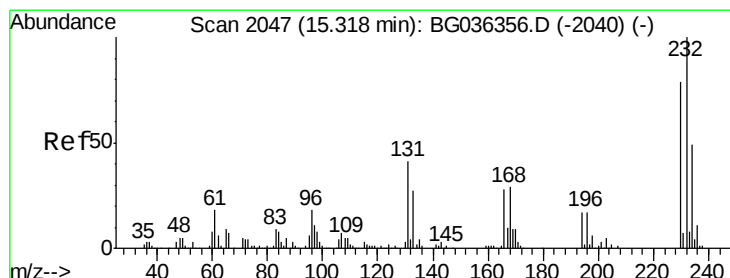
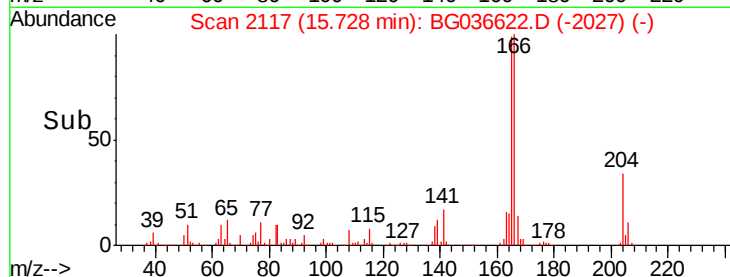
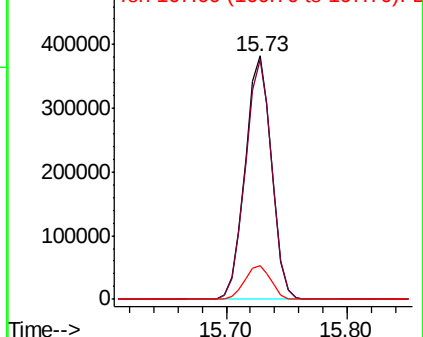


Abundance

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



#58

2,3,4,6-Tetrachlorophenol

Concen: 48.738 ng

RT: 15.30 min Scan# 2044

Delta R.T. -0.00 min

Lab File: BG036622.D

Acq: 8 Sep 2018 7:59

Tgt Ion:232 Resp: 174806

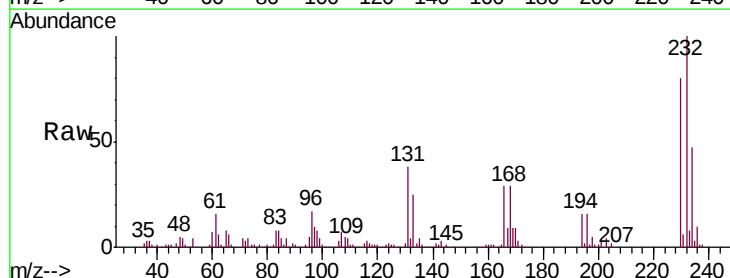
Ion Ratio Lower Upper

232 100

131 36.4 33.8 50.8

130 2.3 2.1 3.1

166 25.9 22.3 33.5



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

