

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112618\
 Data File : BG038141.D
 Acq On : 26 Nov 2018 18:45
 Operator : JU/SJ
 Sample : J6031-04MSD
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 VTW-02MSD

Quant Time: Nov 27 06:54:17 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG111318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 13 16:39:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.09	152	42486	20.00	ng	0.00
21) Naphthalene-d8	10.91	136	185932	20.00	ng	0.00
39) Acenaphthene-d10	14.72	164	113796	20.00	ng	0.00
64) Phenanthrene-d10	17.47	188	249769	20.00	ng	0.00
76) Chrysene-d12	21.76	240	221240	20.00	ng	0.00
87) Perylene-d12	25.08	264	232305	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.63	112	150348	61.10	ng	0.00
7) Phenol-d6	7.24	99	132723	37.79	ng	0.00
23) Nitrobenzene-d5	9.26	82	293454	84.49	ng	0.00
42) 2,4,6-Tribromophenol	16.21	330	151198	116.50	ng	0.00
45) 2-Fluorobiphenyl	13.35	172	644549	82.52	ng	0.00
79) Terphenyl-d14	20.07	244	868113	92.33	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.52	88	17454	15.017	ng	# 93
3) Pyridine	3.93	79	35942	10.840	ng	98
4) n-Nitrosodimethylamine	3.85	42	25321	21.051	ng	# 95
6) Aniline	7.41	93	36951	8.151	ng	96
8) 2-Chlorophenol	7.65	128	111399	39.015	ng	99
9) Benzaldehyde	7.23	77	62285	24.520	ng	95
10) Phenol	7.26	94	62389	16.769	ng	96
11) bis(2-Chloroethyl)ether	7.51	93	129990	42.796	ng	97
12) 1,3-Dichlorobenzene	7.97	146	133986	40.734	ng	98
13) 1,4-Dichlorobenzene	8.12	146	136918	41.206	ng	99
14) 1,2-Dichlorobenzene	8.44	146	130618	41.174	ng	99
15) Benzyl Alcohol	8.32	79	72802	28.644	ng	97
16) 2,2'-oxybis(1-Chloropropan	8.61	45	270088	47.887	ng	97
17) 2-Methylphenol	8.52	107	83470	33.184	ng	98
18) Hexachloroethane	9.17	117	49937	41.295	ng	95
19) n-Nitroso-di-n-propylamine	8.89	70	109125	42.936	ng	99
20) 3+4-Methylphenols	8.85	107	101094	28.351	ng	97
22) Acetophenone	8.92	105	207597	44.875	ng	# 98
24) Nitrobenzene	9.31	77	163908	46.130	ng	95
25) Isophorone	9.82	82	312551	49.994	ng	98
26) 2-Nitrophenol	10.02	139	75677	42.663	ng	97
27) 2,4-Dimethylphenol	10.06	122	123096	46.059	ng	99
28) bis(2-Chloroethoxy)methane	10.30	93	187272	46.845	ng	97
29) 2,4-Dichlorophenol	10.55	162	130995	43.576	ng	96
30) 1,2,4-Trichlorobenzene	10.77	180	143179	42.503	ng	100
31) Naphthalene	10.96	128	430139	47.035	ng	99
32) Benzoic acid	10.16	122	18201	20.192	ng	96
33) 4-Chloroaniline	11.07	127	35391	8.320	ng	94
34) Hexachlorobutadiene	11.22	225	85774	41.372	ng	96
35) Caprolactam	11.86	113	7308	6.073	ng	# 88
36) 4-Chloro-3-methylphenol	12.17	107	133098	40.526	ng	99
37) 2-Methylnaphthalene	12.55	142	321717	48.975	ng	97
38) 1-Methylnaphthalene	12.78	142	304078	48.090	ng	98
40) 1,2,4,5-Tetrachlorobenzene	12.92	216	164935	43.375	ng	99

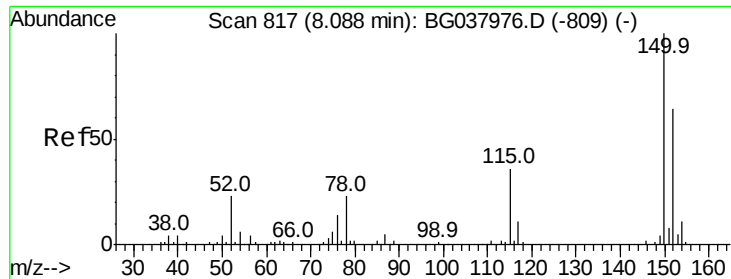
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112618\
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 QLast Update : Tue Nov 13 16:39:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.88	237	194627	95.585	ng	98
43) 2,4,6-Trichlorophenol	13.15	196	113405	43.766	ng	98
44) 2,4,5-Trichlorophenol	13.22	196	119127	43.694	ng	97
46) 1,1'-Biphenyl	13.56	154	404267	42.287	ng	99
47) 2-Chloronaphthalene	13.61	162	324534	44.486	ng	99
48) 2-Nitroaniline	13.82	65	109551	47.714	ng	97
49) Acenaphthylene	14.45	152	531227	48.424	ng	100
50) Dimethylphthalate	14.18	163	415520	46.059	ng	99
51) 2,6-Dinitrotoluene	14.31	165	95736	46.888	ng	98
52) Acenaphthene	14.79	154	307052	46.492	ng	100
53) 3-Nitroaniline	14.64	138	17853	7.924	ng	# 97
54) 2,4-Dinitrophenol	14.84	184	92550	83.524	ng	91
55) Dibenzofuran	15.12	168	492927	45.137	ng	98
56) 4-Nitrophenol	14.93	139	50280	28.935	ng	94
57) 2,4-Dinitrotoluene	15.09	165	130990	47.152	ng	98
58) Fluorene	15.77	166	390289	47.899	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.34	232	106412	46.644	ng	98
60) Diethylphthalate	15.53	149	421757	44.015	ng	99
61) 4-Chlorophenyl-phenylether	15.76	204	203821	42.750	ng	97
62) 4-Nitroaniline	15.80	138	88794	39.672	ng	95
63) Azobenzene	16.05	77	390897	45.626	ng	98
65) 4,6-Dinitro-2-methylphenol	15.85	198	69197	43.801	ng	99
66) n-Nitrosodiphenylamine	15.97	169	347778	46.026	ng	99
67) 4-Bromophenyl-phenylether	16.65	248	125494	45.777	ng	95
68) Hexachlorobenzene	16.77	284	128293	45.338	ng	100
69) Atrazine	16.91	200	125234	44.960	ng	98
70) Pentachlorophenol	17.11	266	146966	76.472	ng	96
71) Phenanthrene	17.51	178	630666	49.318	ng	99
72) Anthracene	17.61	178	632885	50.207	ng	98
73) Carbazole	17.88	167	571006	45.150	ng	98
74) Di-n-butylphthalate	18.41	149	696518	49.062	ng	98
75) Fluoranthene	19.52	202	714055	48.942	ng	99
77) Benzidine	19.70	184	27852	3.588	ng	97
78) Pyrene	19.89	202	718919	49.701	ng	99
80) Butylbenzylphthalate	20.76	149	318062	50.281	ng	98
81) Benzo(a)anthracene	21.74	228	668398	49.993	ng	99
82) 3,3'-Dichlorobenzidine	21.66	252	103633	19.899	ng	98
83) Chrysene	21.81	228	627930	49.088	ng	99
84) Bis(2-ethylhexyl)phthalate	21.61	149	442506	49.052	ng	99
85) Di-n-octyl phthalate	22.85	149	754143	51.674	ng	99
86) Indeno(1,2,3-cd)pyrene	28.90	276	724778	51.015	ng	97
88) Benzo(b)fluoranthene	24.02	252	647306	50.635	ng	99
89) Benzo(k)fluoranthene	24.09	252	650448	51.564	ng	98
90) Benzo(a)pyrene	24.93	252	641905	52.541	ng	99
91) Dibenzo(a,h)anthracene	28.97	278	590772	50.256	ng	99
92) Benzo(g,h,i)perylene	30.11	276	594297	50.845	ng	100

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

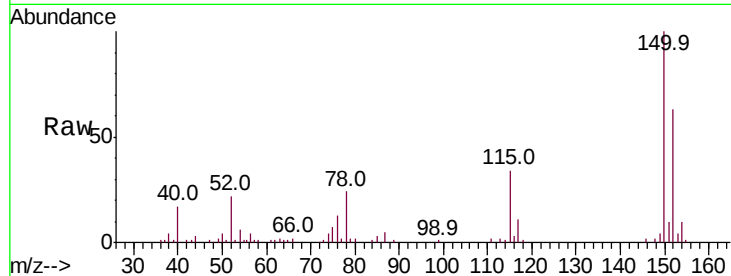


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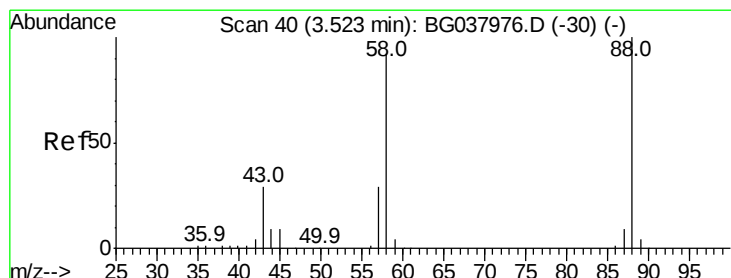
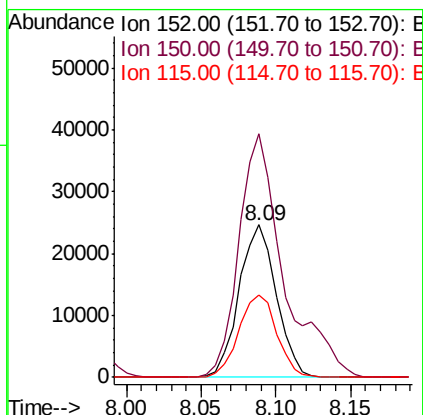
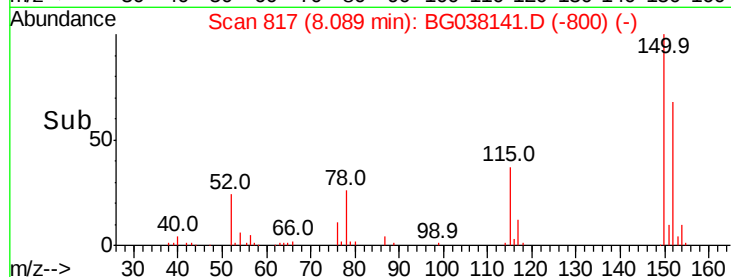
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.09 min Scan# 817
Delta R.T. 0.00 min
Lab File: BG038141.D
Acq: 26 Nov 2018 18:45

Instrument :
BNA_G
ClientSampleId :
VTW-02MSD

Tot Ion:152 Resp: 42486
Ion Ratio Lower Upper
152 100
150 159.5 126.0 189.0
115 54.0 45.5 68.3



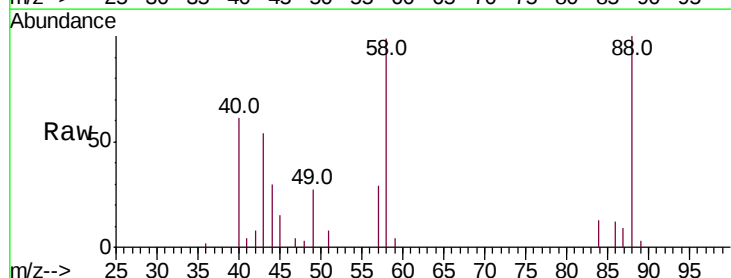
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



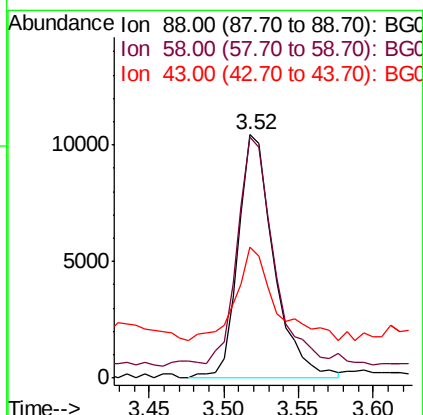
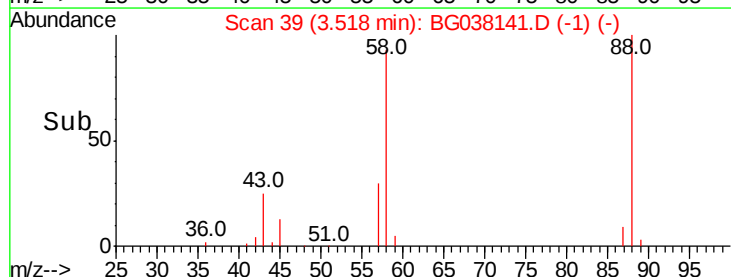
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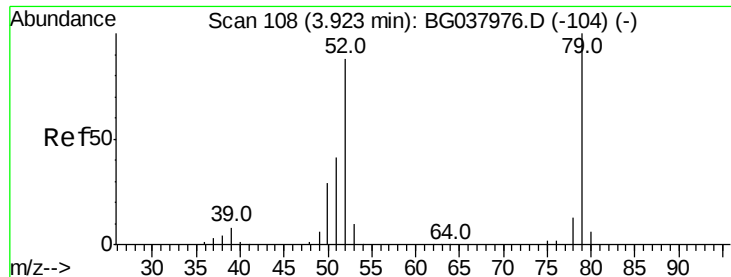
1,4-Dioxane
Concen: 15.017 ng
RT: 3.52 min Scan# 39
Delta R.T. -0.01 min
Lab File: BG038141.D
Acq: 26 Nov 2018 18:45

Tgt Ion: 88 Resp: 17454
Ion Ratio Lower Upper
88 100
58 95.6 74.4 111.6
43 42.1 25.8 38.8#



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: 10.840 ng

RT: 3.93 min Scan# 109

Delta R.T. 0.01 min

Lab File: BG038141.D

Acq: 26 Nov 2018 18:45

Instrument :

BNA_G

ClientSampleId :

VTW-02MSD

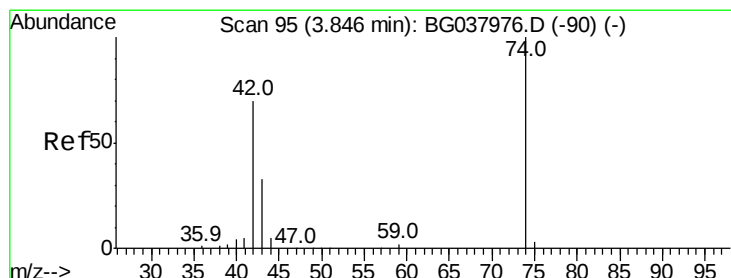
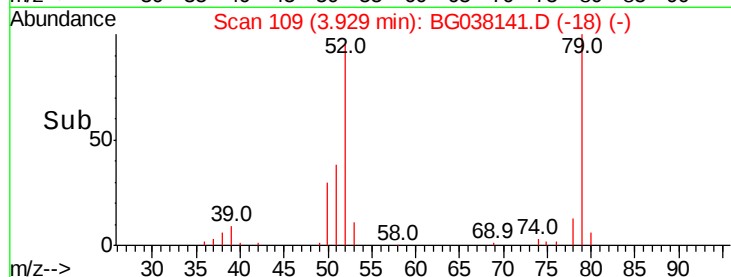
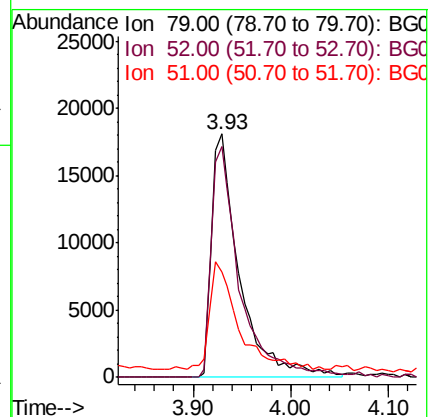
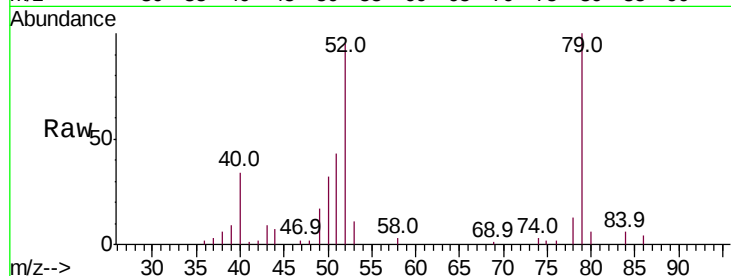
Tot Ion: 79 Resp: 35942

Ion Ratio Lower Upper

79 100

52 94.8 74.2 111.2

51 43.4 34.6 51.8



#4

n-Nitrosodimethylamine

Concen: 21.051 ng

RT: 3.85 min Scan# 95

Delta R.T. 0.00 min

Lab File: BG038141.D

Acq: 26 Nov 2018 18:45

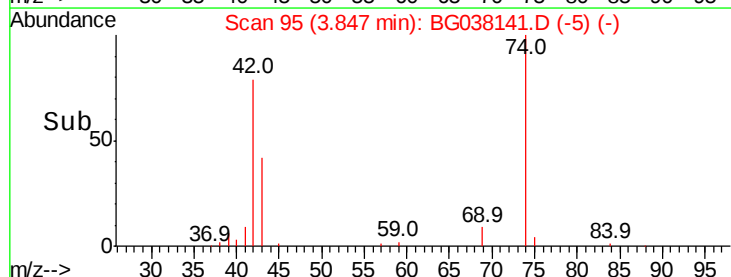
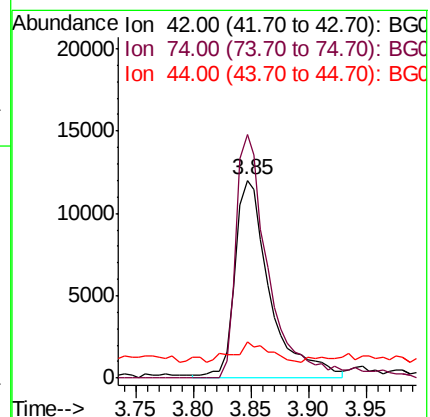
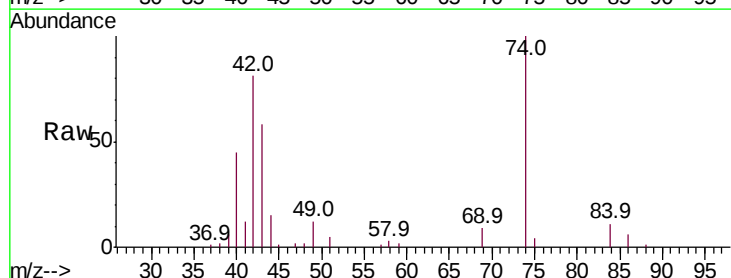
Tgt Ion: 42 Resp: 25321

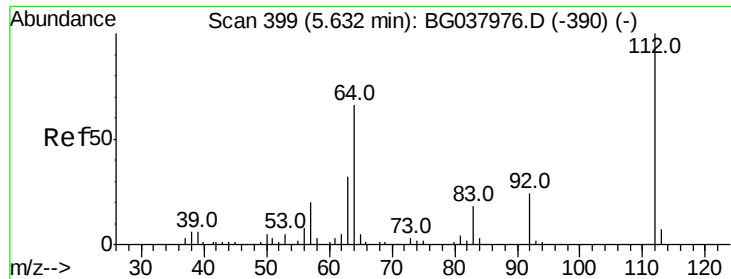
Ion Ratio Lower Upper

42 100

74 122.9 102.0 153.0

44 18.0 9.6 14.4#

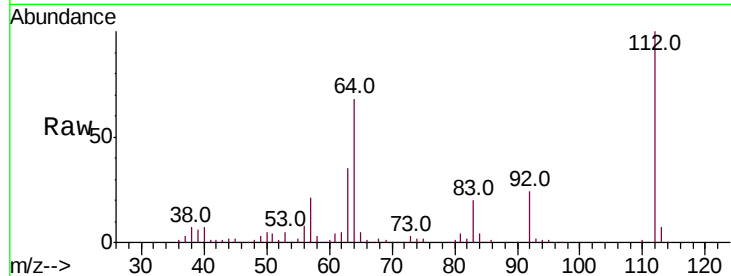




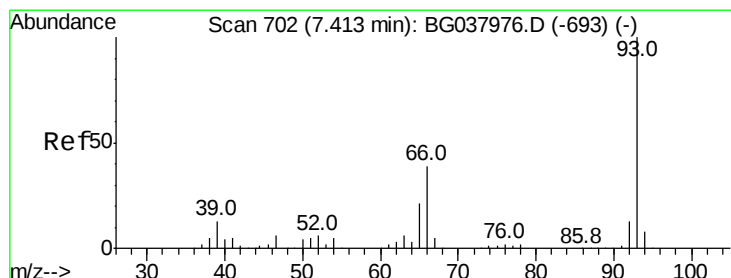
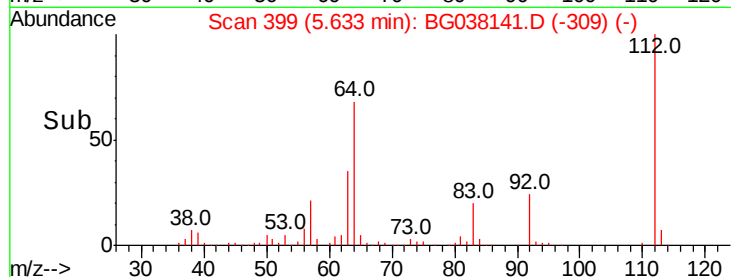
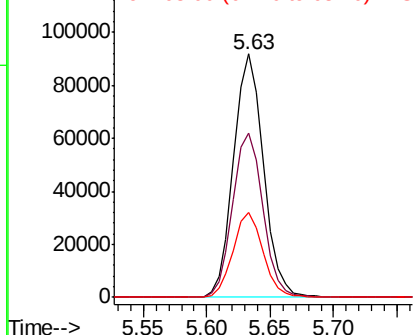
#5
 2-Fluorophenol
 Concen: 61.099 ng
 RT: 5.63 min Scan# 399
 Delta R.T. 0.00 min
 Lab File: BG038141.D
 Acq: 26 Nov 2018 18:45

Instrument :
 BNA_G
 ClientSampleId :
 VTW-02MSD

Tot Ion:112 Resp: 150348
 Ion Ratio Lower Upper
 112 100
 64 67.6 53.1 79.7
 63 35.1 27.3 40.9

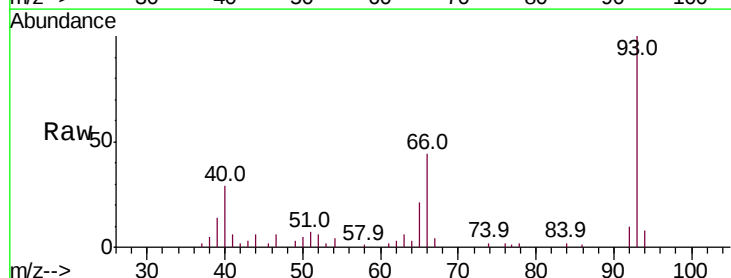


Abundance Ion 112.00 (111.70 to 112.70): BGC
 Ion 64.00 (63.70 to 64.70): BGC
 Ion 63.00 (62.70 to 63.70): BGC

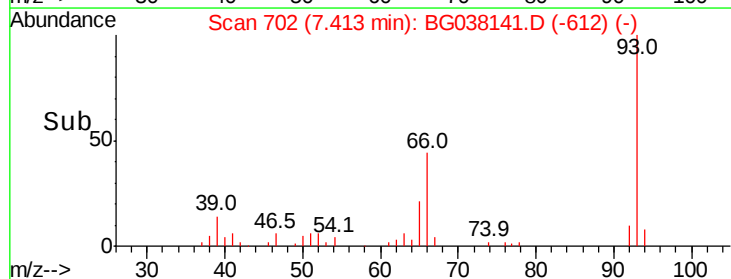
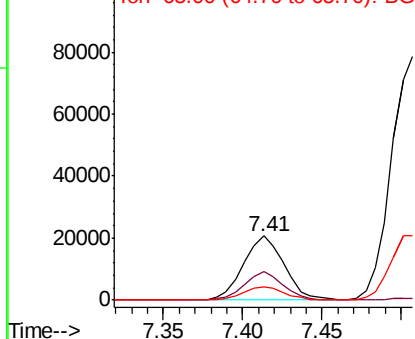


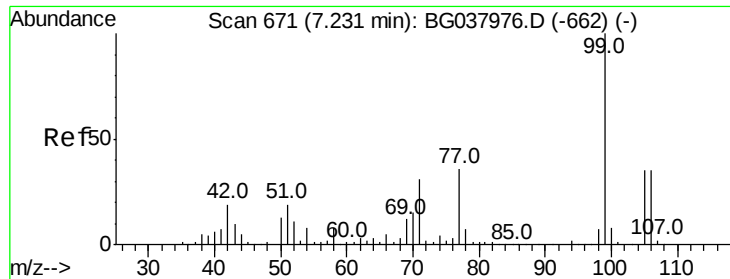
#6
 Aniline
 Concen: 8.151 ng
 RT: 7.41 min Scan# 702
 Delta R.T. 0.00 min
 Lab File: BG038141.D
 Acq: 26 Nov 2018 18:45

Tgt Ion: 93 Resp: 36951
 Ion Ratio Lower Upper
 93 100
 66 43.8 32.8 49.2
 65 21.5 16.4 24.6



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: 37.786 ng

RT: 7.24 min Scan# 672

Delta R.T. 0.01 min

Lab File: BG038141.D

Acq: 26 Nov 2018 18:45

Instrument :

BNA_G

ClientSampleId :

VTW-02MSD

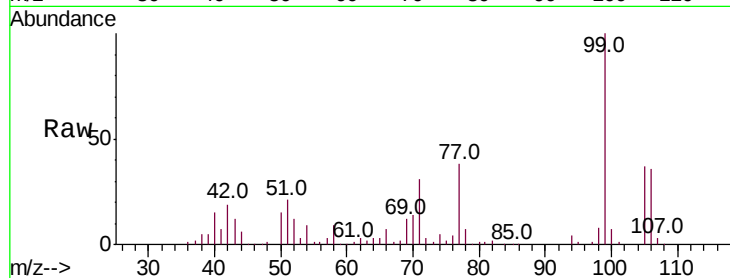
Tot Ion: 99 Resp: 132723

Ion Ratio Lower Upper

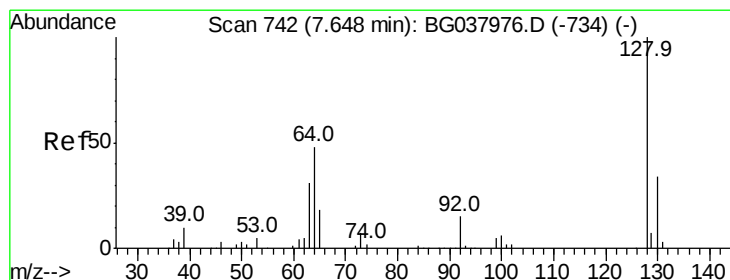
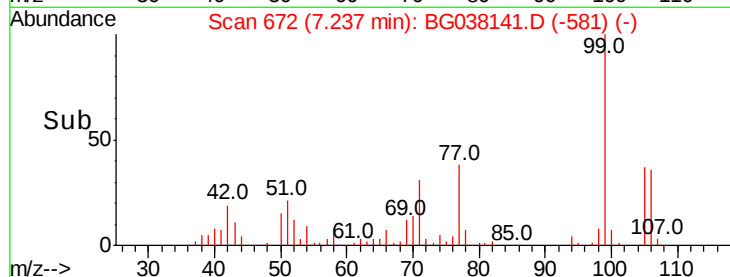
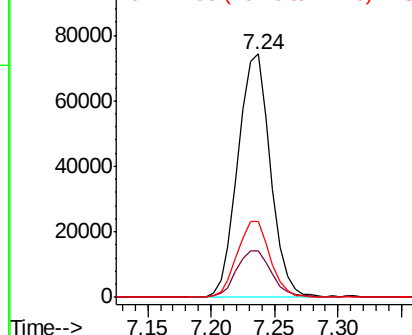
99 100

42 19.3 15.0 22.4

71 31.3 25.5 38.3



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: 39.015 ng

RT: 7.65 min Scan# 742

Delta R.T. 0.00 min

Lab File: BG038141.D

Acq: 26 Nov 2018 18:45

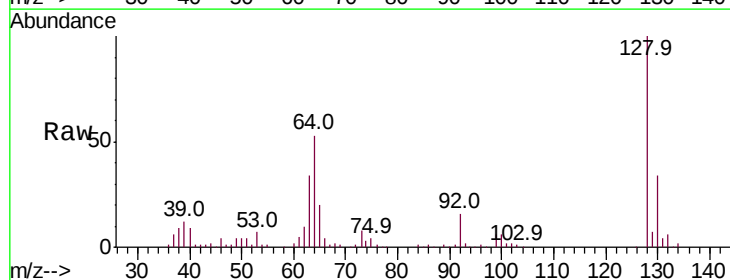
Tgt Ion: 128 Resp: 111399

Ion Ratio Lower Upper

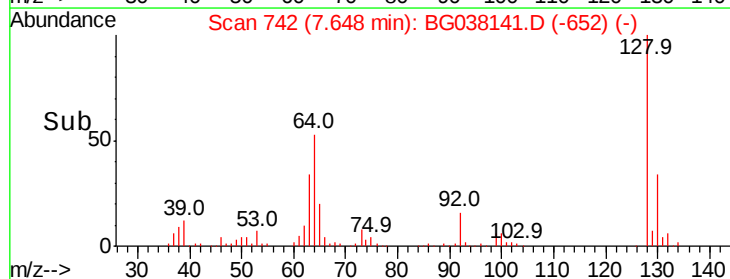
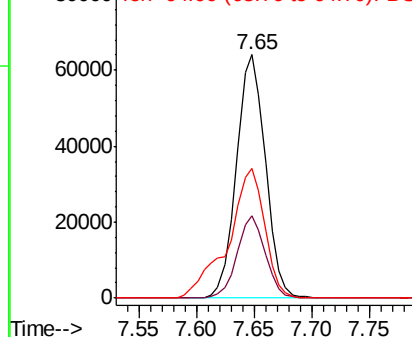
128 100

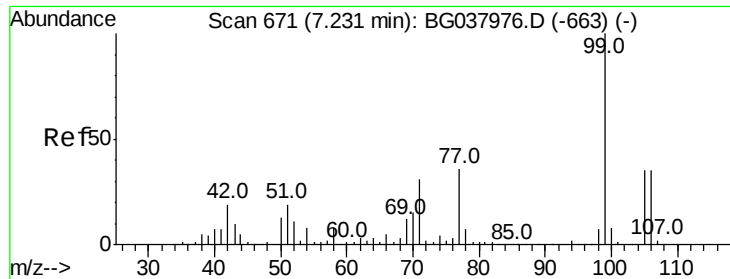
130 33.8 12.0 52.0

64 53.2 32.9 72.9



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: 24.520 ng

RT: 7.23 min Scan# 671

Delta R.T. 0.00 min

Lab File: BG038141.D

Acq: 26 Nov 2018 18:45

Instrument :

BNA_G

ClientSampleId :

VTW-02MSD

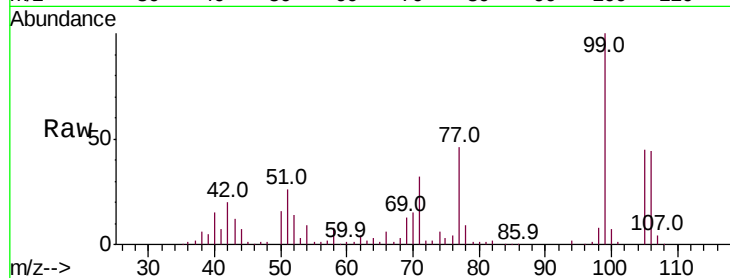
Tot Ion: 77 Resp: 62285

Ion Ratio Lower Upper

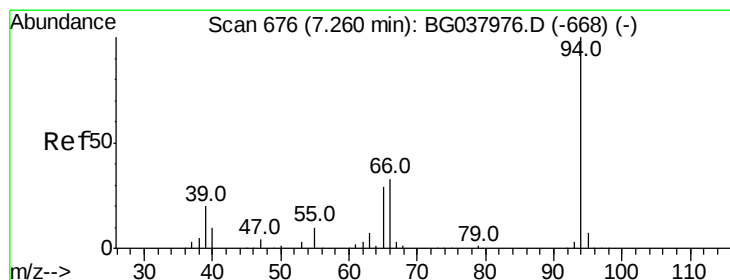
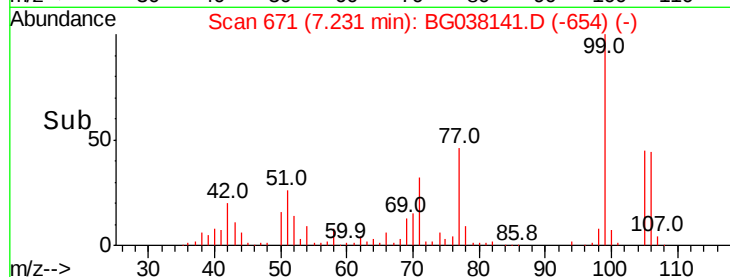
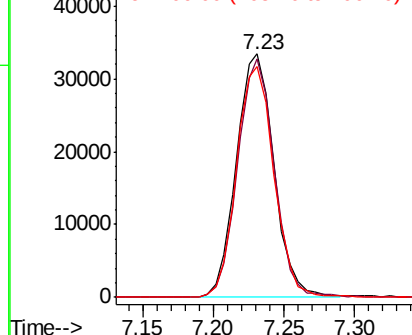
77 100

105 98.2 72.6 112.6

106 94.5 71.3 111.3



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: 16.769 ng

RT: 7.26 min Scan# 676

Delta R.T. 0.00 min

Lab File: BG038141.D

Acq: 26 Nov 2018 18:45

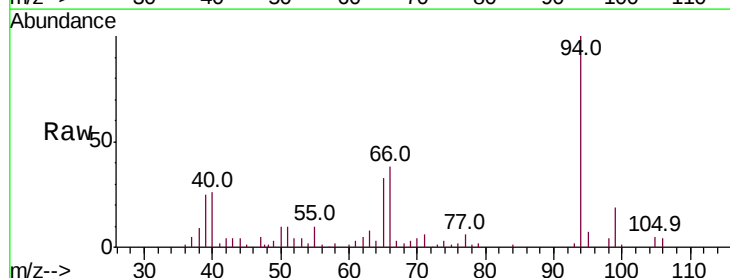
Tgt Ion: 94 Resp: 62389

Ion Ratio Lower Upper

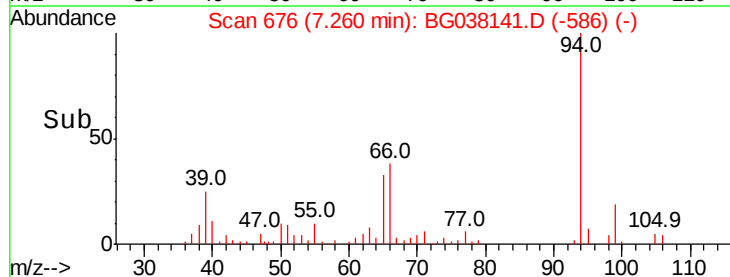
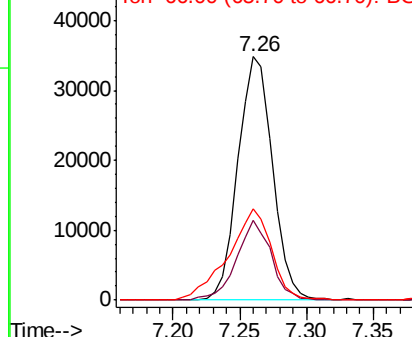
94 100

65 32.5 9.7 49.7

66 37.8 15.9 55.9



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: 42.796 ng

RT: 7.51 min Scan# 718

Delta R.T. 0.00 min

Lab File: BG038141.D

Acq: 26 Nov 2018 18:45

Instrument :

BNA_G

ClientSampleId :

VTW-02MSD

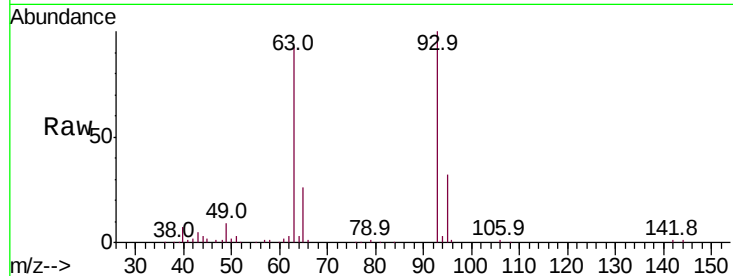
Tot Ion: 93 Resp: 129990

Ion Ratio Lower Upper

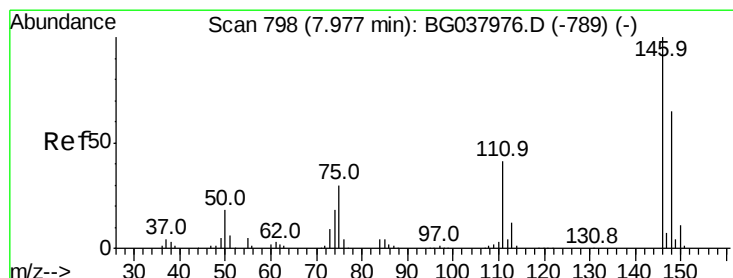
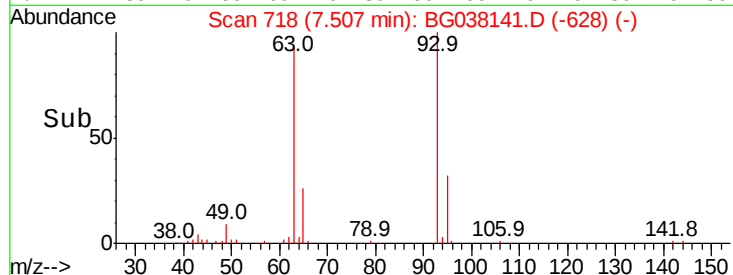
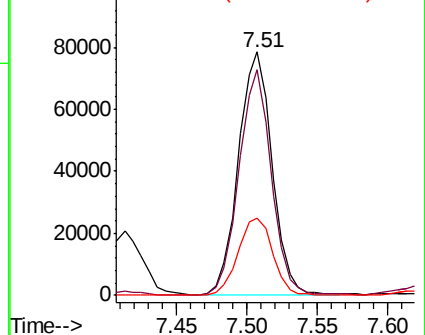
93 100

63 92.6 69.5 109.5

95 31.8 12.6 52.6



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: 40.734 ng

RT: 7.97 min Scan# 797

Delta R.T. -0.01 min

Lab File: BG038141.D

Acq: 26 Nov 2018 18:45

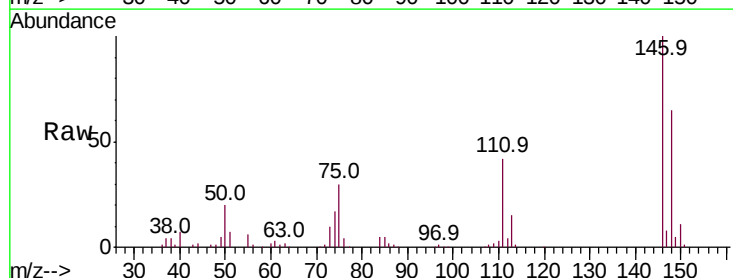
Tgt Ion:146 Resp: 133986

Ion Ratio Lower Upper

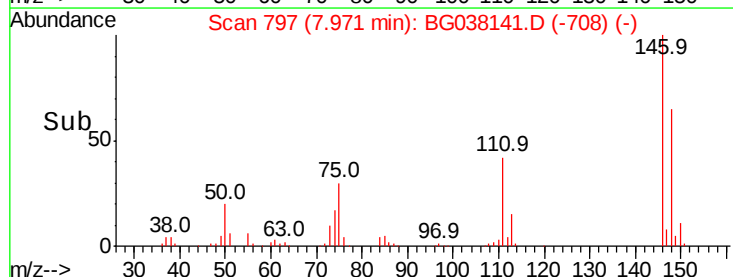
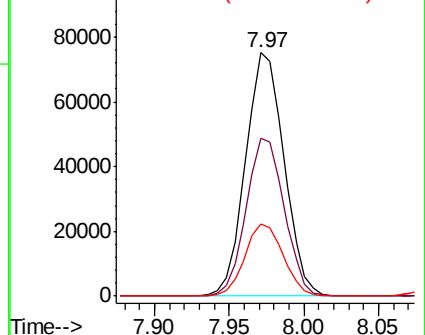
146 100

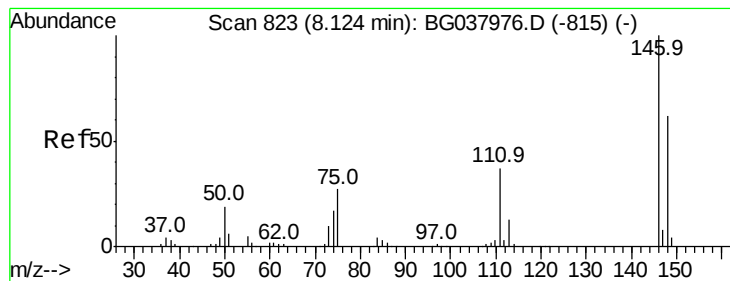
148 64.7 49.8 74.8

75 29.6 23.2 34.8



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





#13

1,4-Dichlorobenzene

Concen: 41.206 ng

RT: 8.12 min Scan# 823

Delta R.T. 0.00 min

Lab File: BG038141.D

Acq: 26 Nov 2018 18:45

Instrument :

BNA_G

ClientSampleId :

VTW-02MSD

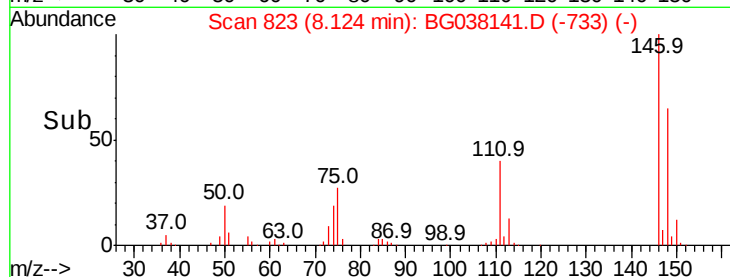
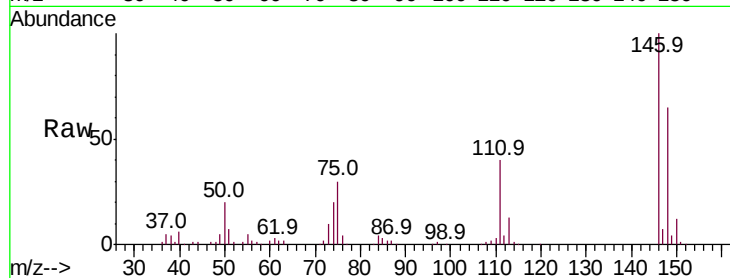
Tot Ion:146 Resp: 136918

Ion Ratio Lower Upper

146 100

148 64.7 51.0 76.6

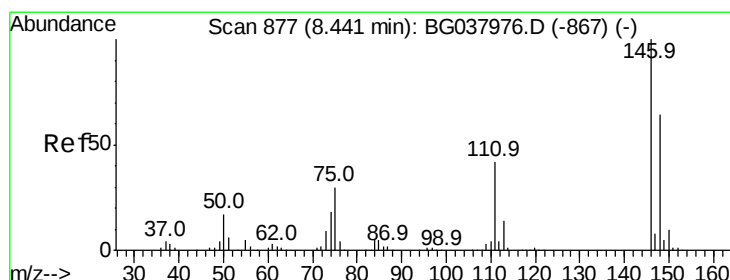
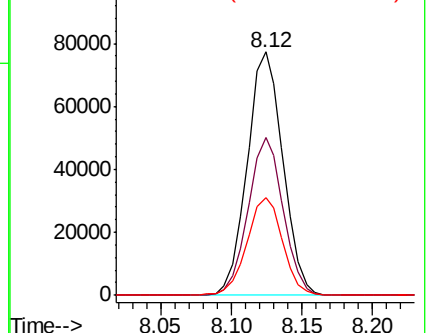
111 40.0 32.4 48.6



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: 41.174 ng

RT: 8.44 min Scan# 877

Delta R.T. 0.00 min

Lab File: BG038141.D

Acq: 26 Nov 2018 18:45

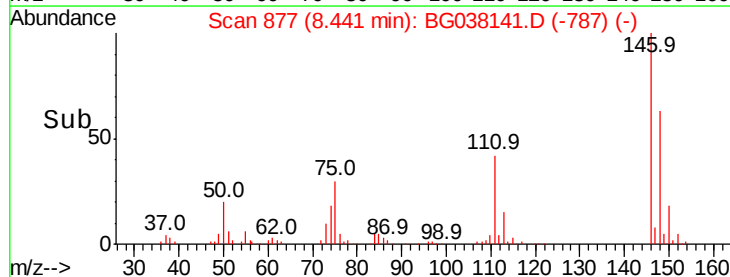
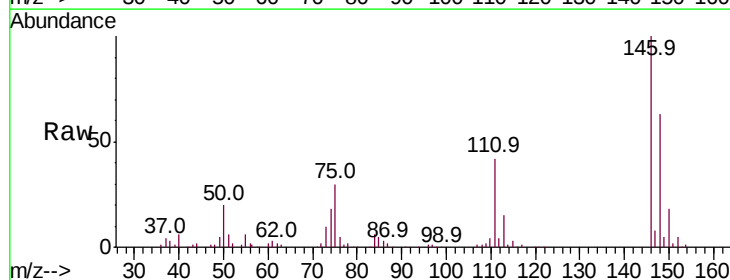
Tgt Ion:146 Resp: 130618

Ion Ratio Lower Upper

146 100

148 62.6 50.4 75.6

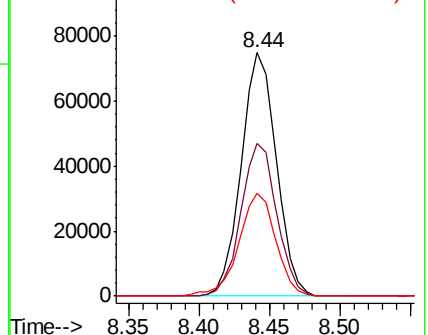
111 42.1 34.6 51.8

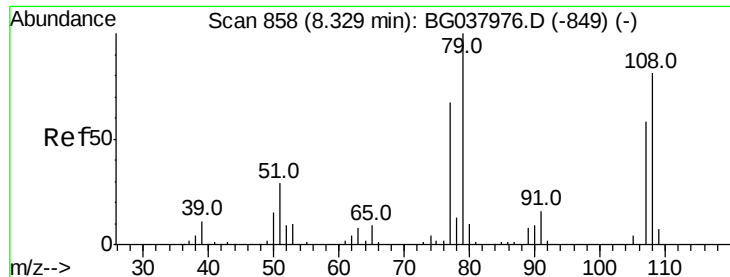


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 28.644 ng

RT: 8.32 min Scan# 857

Delta R.T. -0.01 min

Lab File: BG038141.D

Acq: 26 Nov 2018 18:45

Instrument :

BNA_G

ClientSampleId :

VTW-02MSD

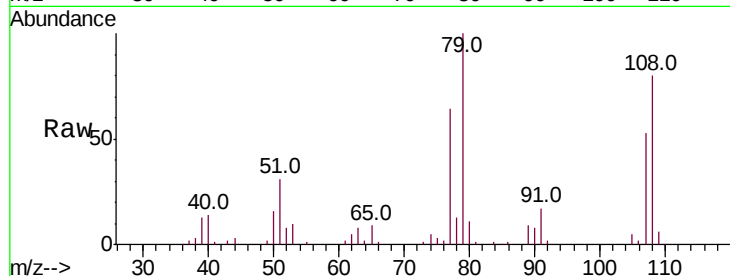
Tot Ion: 79 Resp: 72802

Ion Ratio Lower Upper

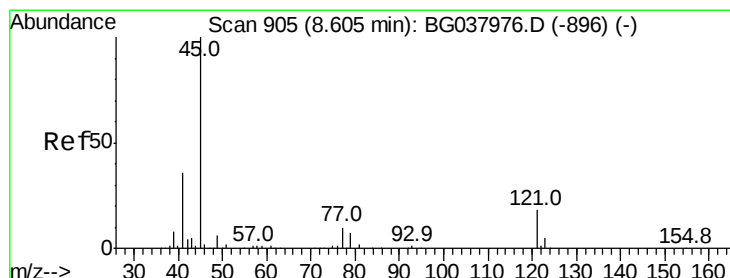
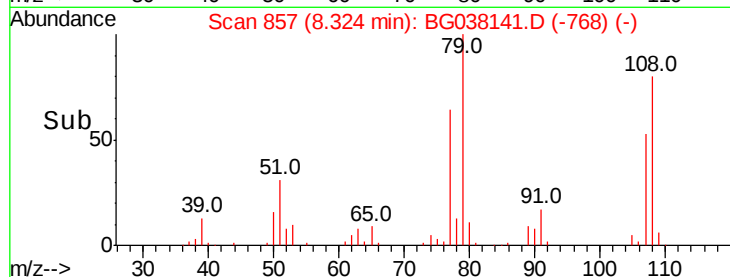
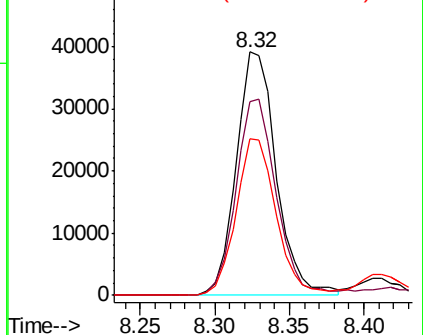
79 100

108 79.8 65.8 98.8

77 64.2 52.9 79.3



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: 47.887 ng

RT: 8.61 min Scan# 906

Delta R.T. 0.01 min

Lab File: BG038141.D

Acq: 26 Nov 2018 18:45

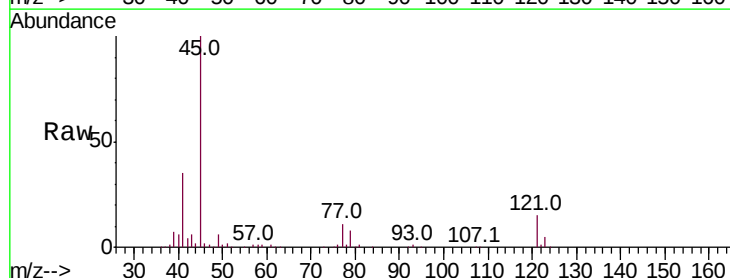
Tgt Ion: 45 Resp: 270088

Ion Ratio Lower Upper

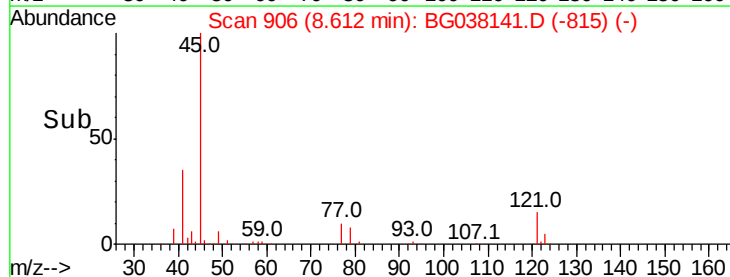
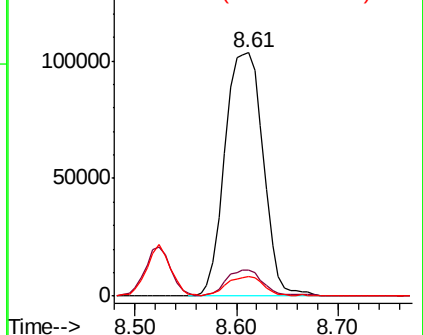
45 100

77 10.9 0.0 30.0

79 8.0 0.0 29.0



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

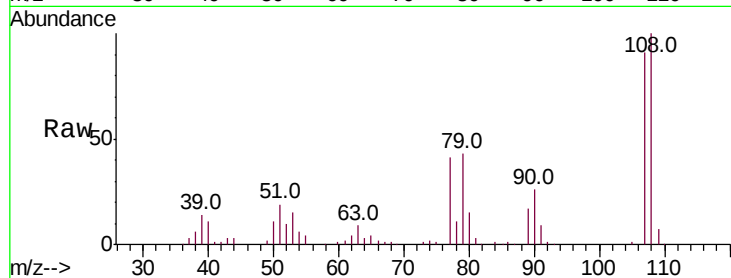




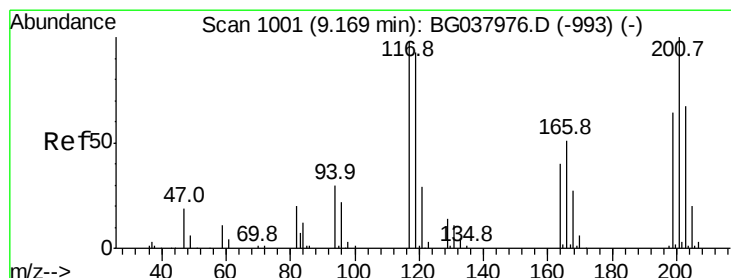
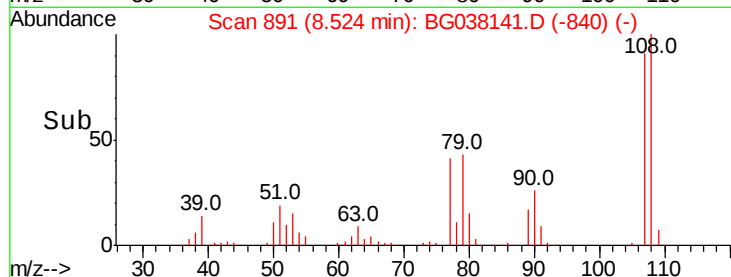
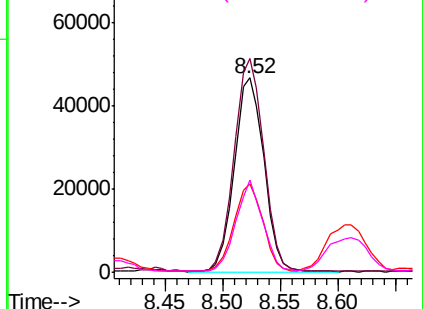
#17
2-Methylphenol
Concen: 33.184 ng
RT: 8.52 min Scan# 891
Delta R.T. 0.00 min
Lab File: BG038141.D
Acq: 26 Nov 2018 18:45

Instrument :
BNA_G
ClientSampleId :
VTW-02MSD

Tot Ion:107 Resp: 83470
Ion Ratio Lower Upper
107 100
108 109.8 87.9 131.9
77 45.2 35.1 52.7
79 47.5 34.5 51.7

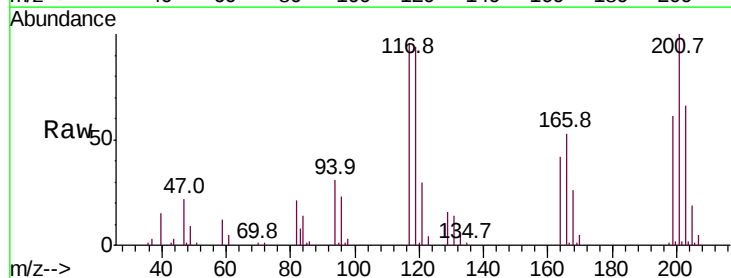


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BG
Ion 79.00 (78.70 to 79.70): BG

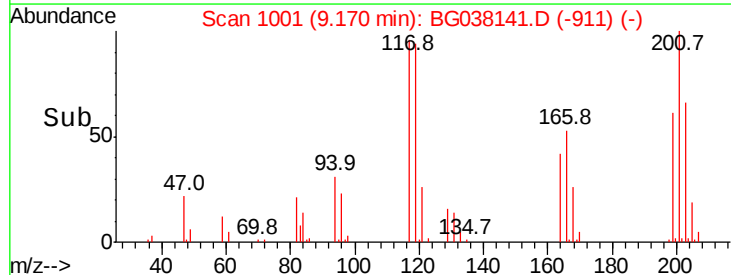
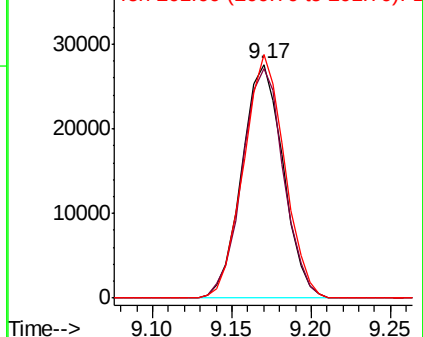


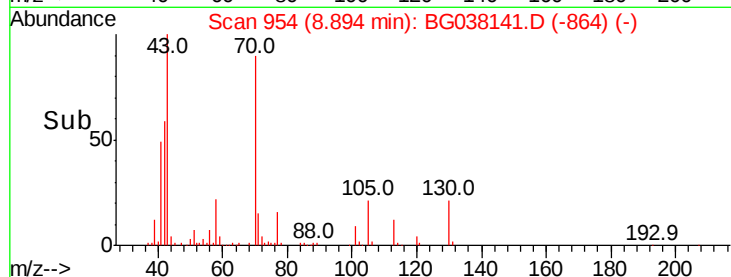
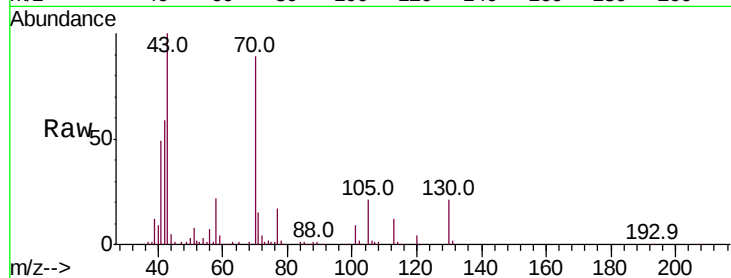
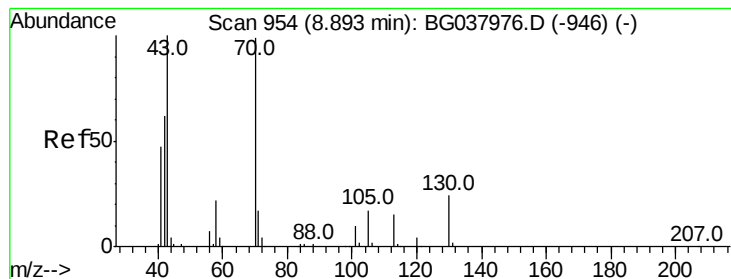
#18
Hexachloroethane
Concen: 41.295 ng
RT: 9.17 min Scan# 1001
Delta R.T. 0.00 min
Lab File: BG038141.D
Acq: 26 Nov 2018 18:45

Tgt Ion:117 Resp: 49937
Ion Ratio Lower Upper
117 100
119 98.1 74.6 111.8
201 106.4 80.8 121.2



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: 42.936 ng

RT: 8.89 min Scan# 954

Delta R.T. 0.00 min

Lab File: BG038141.D

Acq: 26 Nov 2018 18:45

Instrument :

BNA_G

ClientSampleId :

VTW-02MSD

Tot Ion: 70 Resp: 109125

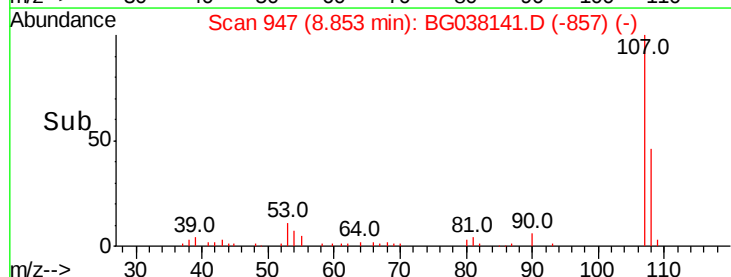
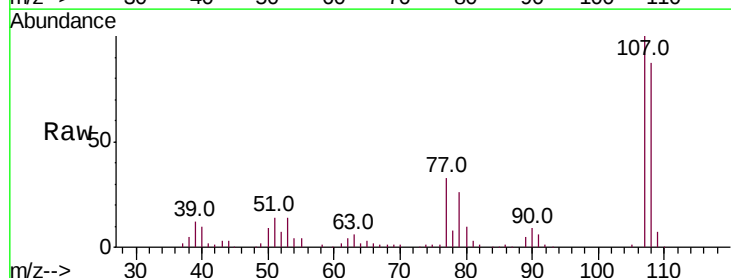
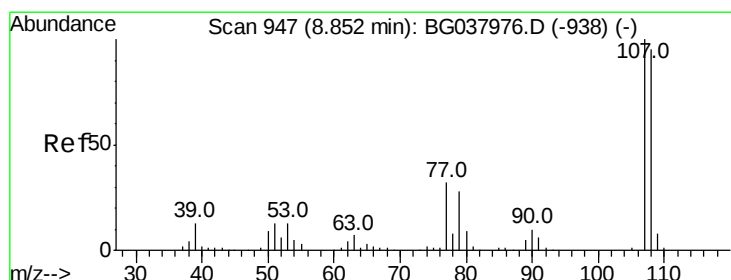
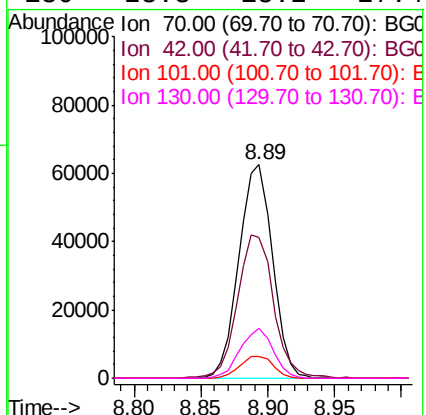
Ion Ratio Lower Upper

70 100

42 66.2 53.9 80.9

101 10.3 8.2 12.2

130 23.3 18.2 27.4



#20

3+4-Methylphenols

Concen: 28.351 ng

RT: 8.85 min Scan# 947

Delta R.T. 0.00 min

Lab File: BG038141.D

Acq: 26 Nov 2018 18:45

Tgt Ion: 107 Resp: 101094

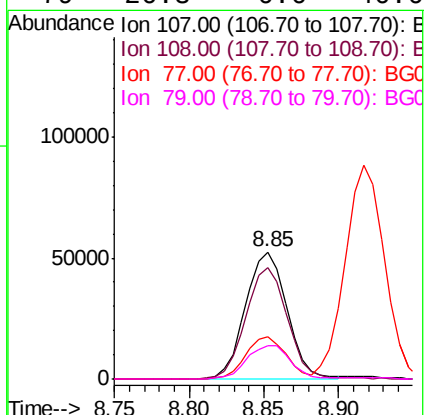
Ion Ratio Lower Upper

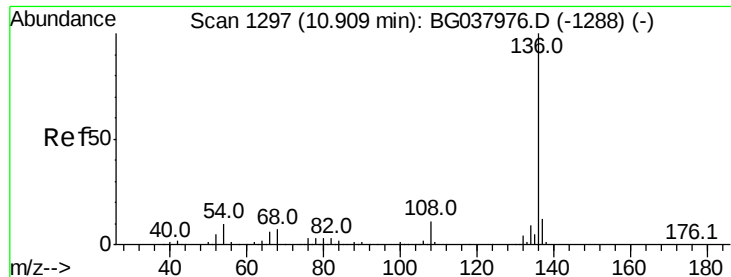
107 100

108 87.3 69.9 109.9

77 33.3 11.2 51.2

79 26.3 6.6 46.6





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.91 min Scan# 1297

Delta R.T. 0.00 min

Lab File: BG038141.D

Acq: 26 Nov 2018 18:45

Instrument :

BNA_G

ClientSampleId :

VTW-02MSD

Tot Ion:136 Resp: 185932

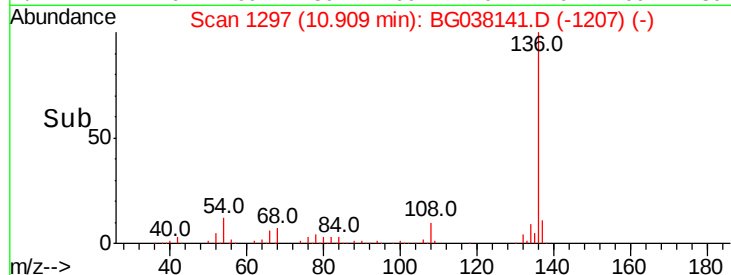
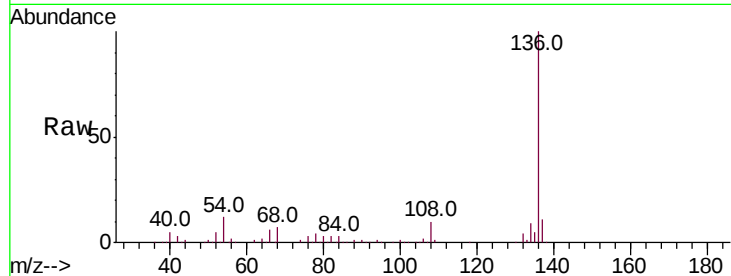
Ion Ratio Lower Upper

136 100

137 11.0 9.6 14.4

54 11.6 7.9 11.9

68 6.8 4.8 7.2

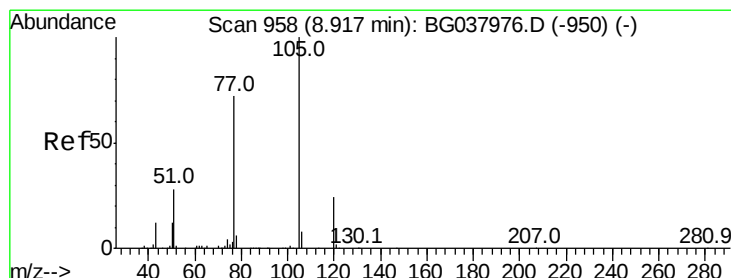
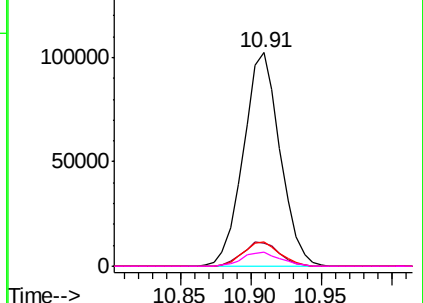


Abundance Ion 136.00 (135.70 to 136.70): E

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: 44.875 ng

RT: 8.92 min Scan# 958

Delta R.T. 0.00 min

Lab File: BG038141.D

Acq: 26 Nov 2018 18:45

Tgt Ion:105 Resp: 207597

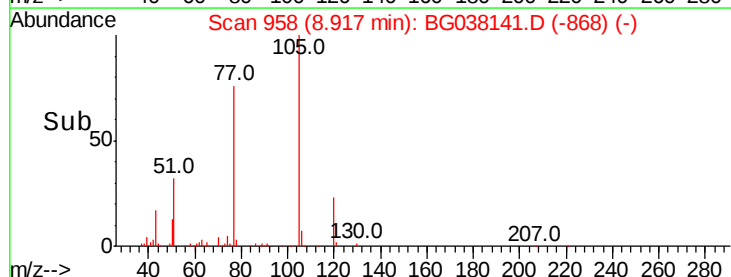
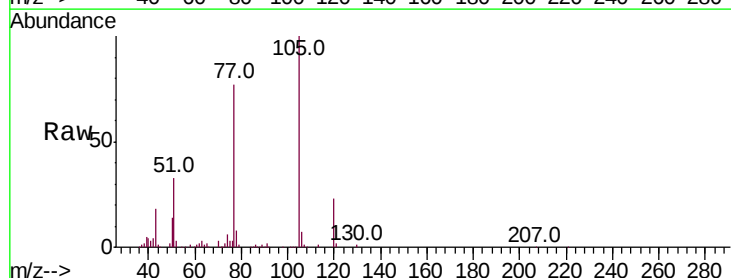
Ion Ratio Lower Upper

105 100

71 0.5 1.2 1.8#

51 32.7 25.0 37.6

120 22.6 18.6 28.0

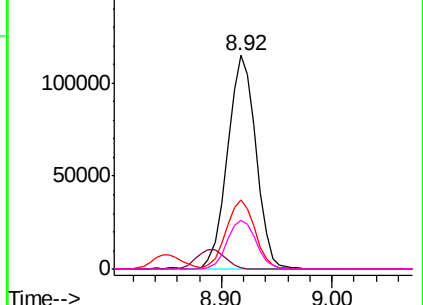


Abundance Ion 105.00 (104.70 to 105.70): E

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

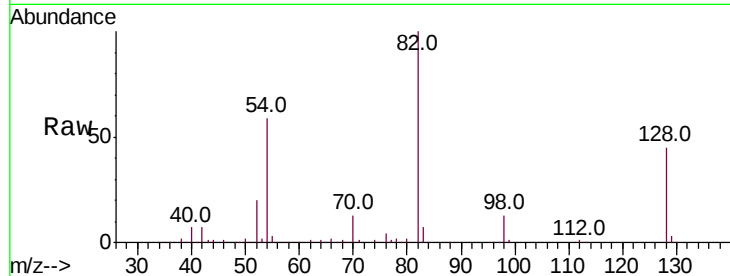




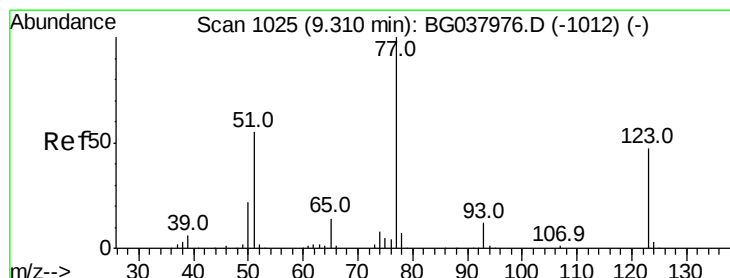
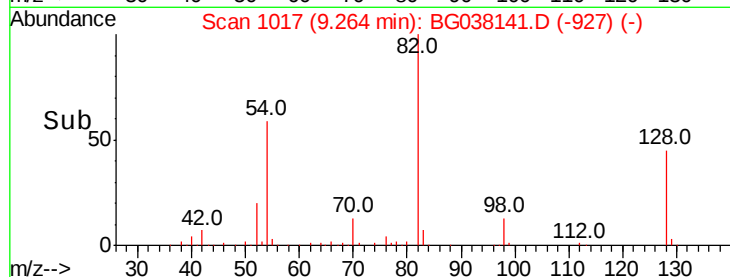
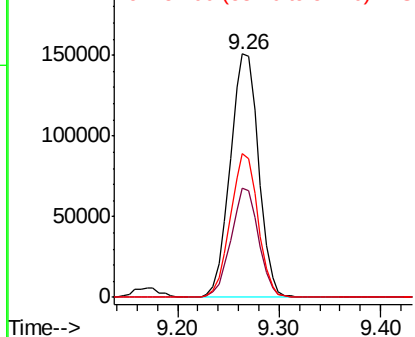
#23
 Nitrobenzene-d5
 Concen: 84.486 ng
 RT: 9.26 min Scan# 1017
 Delta R.T. 0.00 min
 Lab File: BG038141.D
 Acq: 26 Nov 2018 18:45

Instrument :
 BNA_G
 ClientSampleId :
 VTW-02MSD

Tot Ion	82	Resp	293454
Ion	Ratio	Lower	Upper
82	100		
128	44.8	34.6	51.8
54	59.2	45.3	67.9

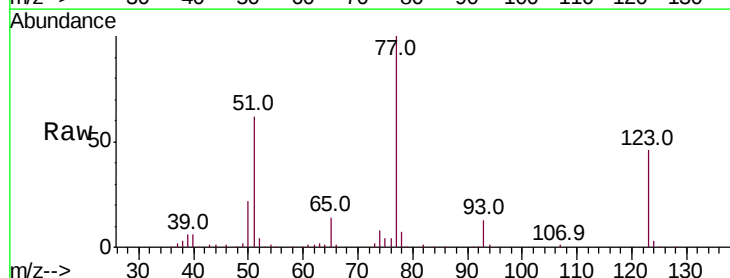


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

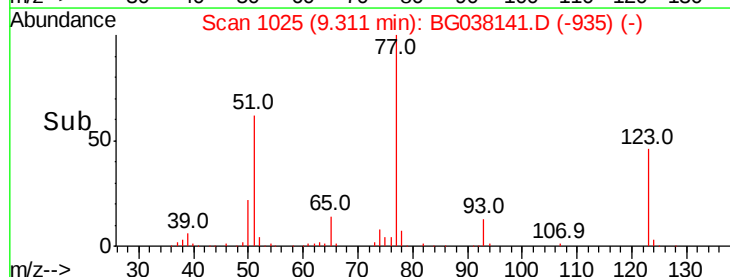
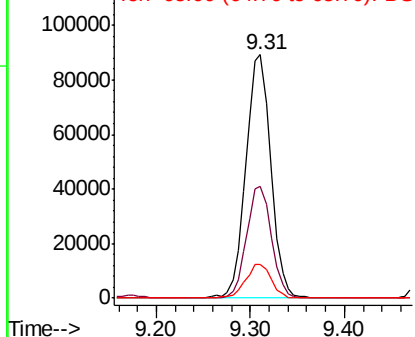


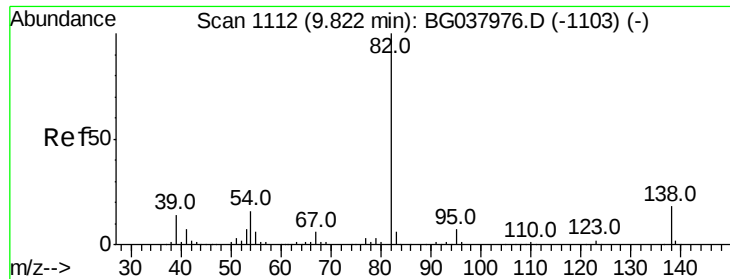
#24
 Nitrobenzene
 Concen: 46.130 ng
 RT: 9.31 min Scan# 1025
 Delta R.T. 0.00 min
 Lab File: BG038141.D
 Acq: 26 Nov 2018 18:45

Tgt Ion	77	Resp	163908
Ion	Ratio	Lower	Upper
77	100		
123	45.8	33.6	50.4
65	13.9	11.3	16.9



Abundance Ion 77.00 (76.70 to 77.70): BGC
 Ion 123.00 (122.70 to 123.70): BGC
 Ion 65.00 (64.70 to 65.70): BGC





#25

Isophorone

Concen: 49.994 ng

RT: 9.82 min Scan# 1112

Delta R.T. 0.00 min

Lab File: BG038141.D

Acq: 26 Nov 2018 18:45

Instrument :

BNA_G

ClientSampleId :

VTW-02MSD

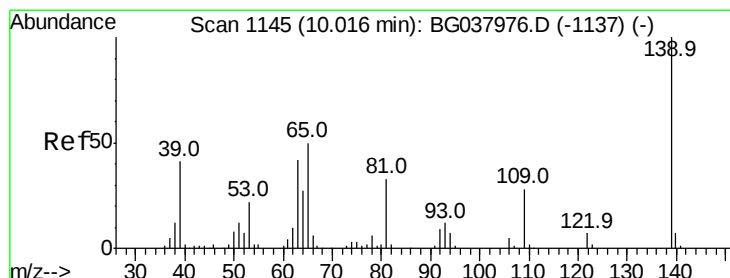
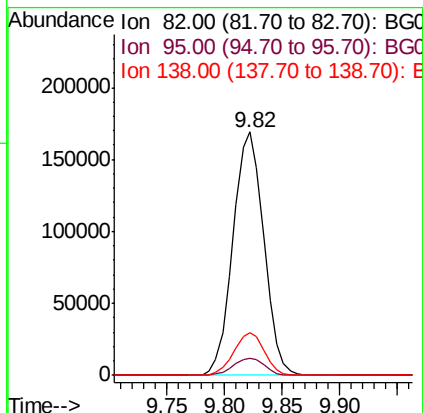
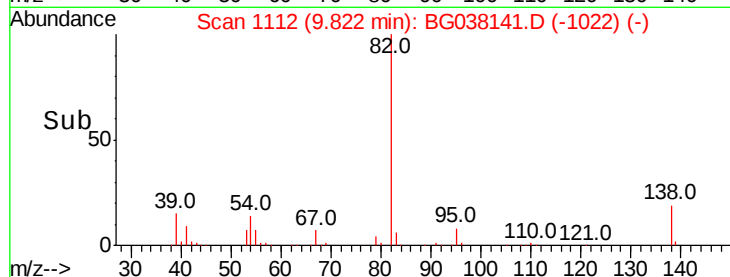
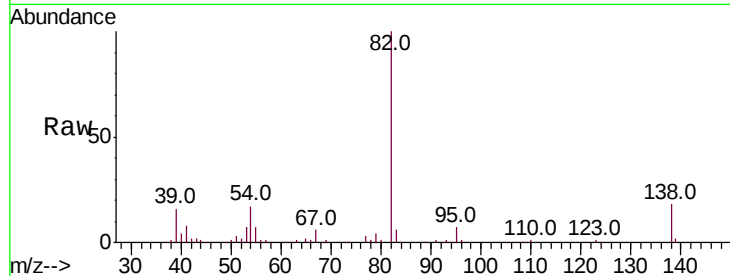
Tot Ion: 82 Resp: 312551

Ion Ratio Lower Upper

82 100

95 7.2 5.3 7.9

138 17.5 13.3 19.9



#26

2-Nitrophenol

Concen: 42.663 ng

RT: 10.02 min Scan# 1145

Delta R.T. 0.00 min

Lab File: BG038141.D

Acq: 26 Nov 2018 18:45

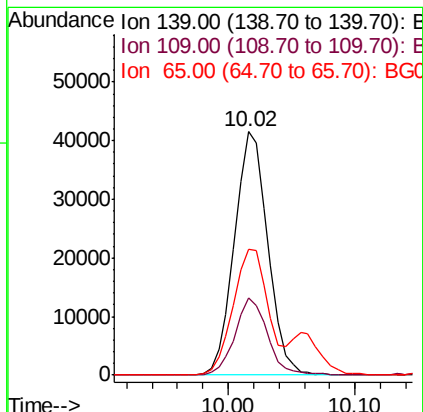
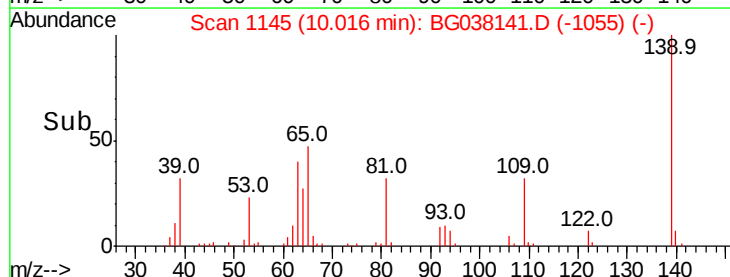
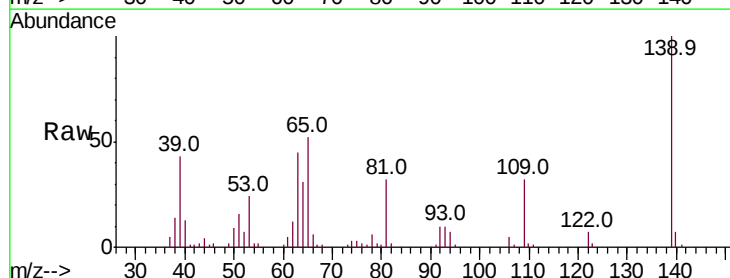
Tgt Ion:139 Resp: 75677

Ion Ratio Lower Upper

139 100

109 31.6 23.3 34.9

65 51.5 39.8 59.8

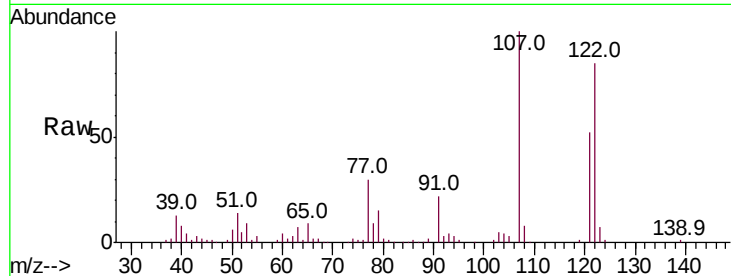




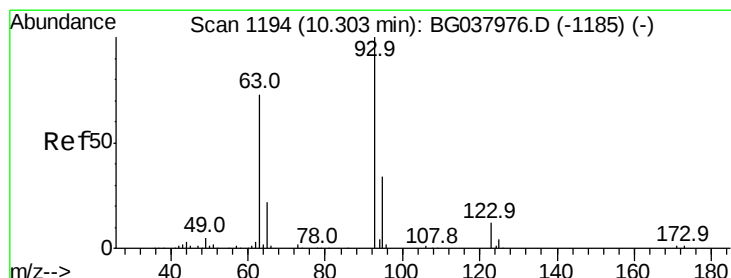
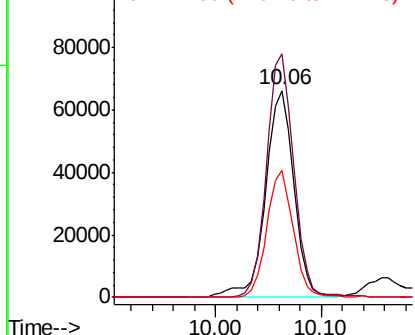
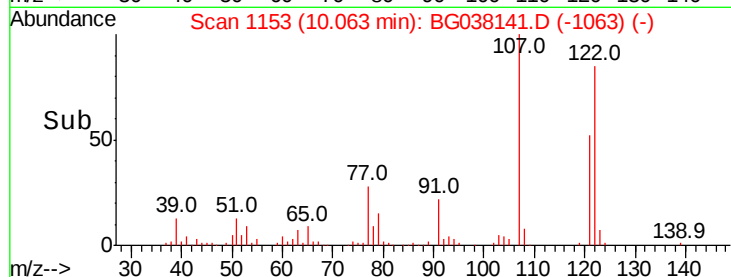
#27
 2,4-Dimethylphenol
 Concen: 46.059 ng
 RT: 10.06 min Scan# 1153
 Delta R.T. 0.00 min
 Lab File: BG038141.D
 Acq: 26 Nov 2018 18:45

Instrument :
 BNA_G
 ClientSampleId :
 VTW-02MSD

Tot Ion:122 Resp: 123096
 Ion Ratio Lower Upper
 122 100
 107 117.7 94.2 141.2
 121 61.3 47.3 70.9

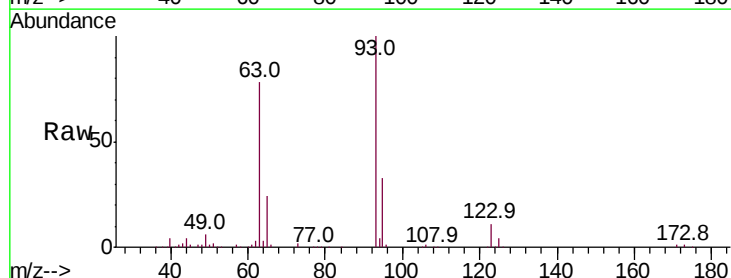


Abundance Ion 122.00 (121.70 to 122.70): E
 Ion 107.00 (106.70 to 107.70): E
 Ion 121.00 (120.70 to 121.70): E

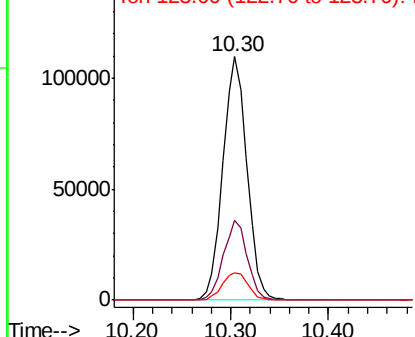
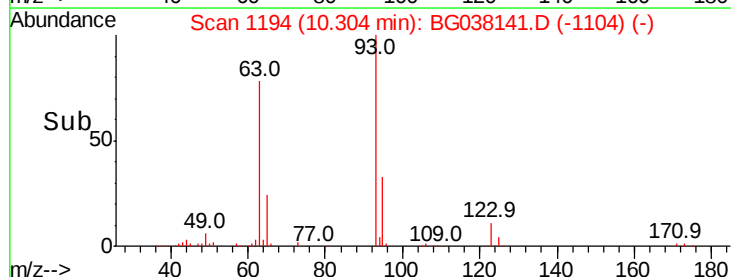


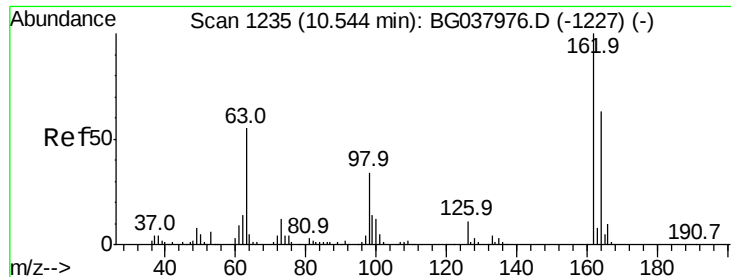
#28
 bis(2-Chloroethoxy)methane
 Concen: 46.845 ng
 RT: 10.30 min Scan# 1194
 Delta R.T. 0.00 min
 Lab File: BG038141.D
 Acq: 26 Nov 2018 18:45

Tgt Ion: 93 Resp: 187272
 Ion Ratio Lower Upper
 93 100
 95 32.7 24.6 37.0
 123 11.4 9.1 13.7



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

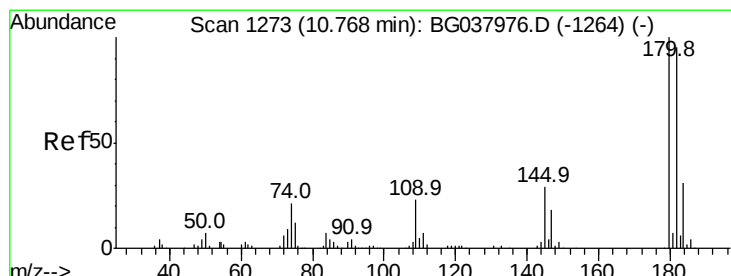
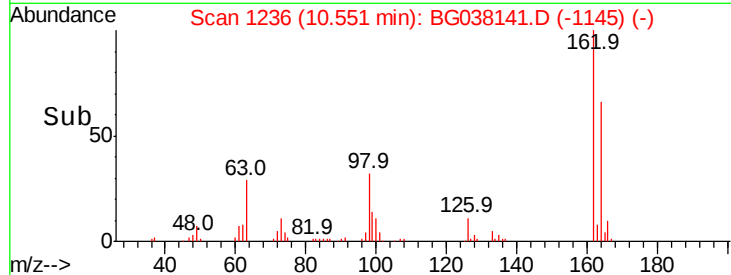
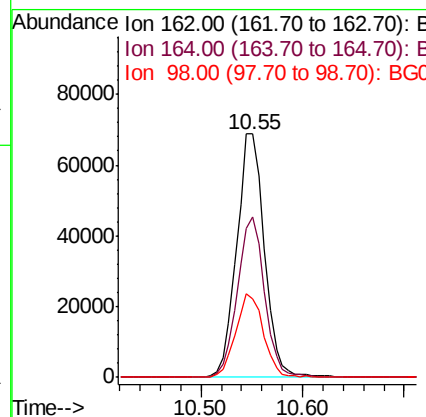
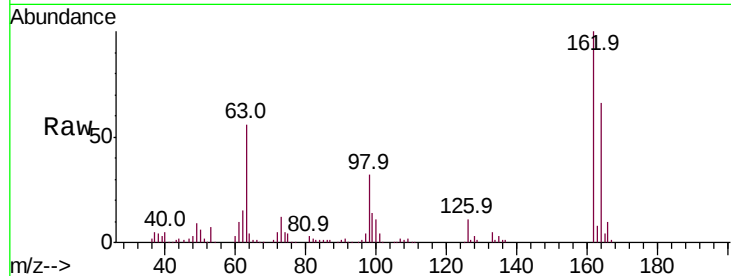




#29
 2,4-Dichlorophenol
 Concen: 43.576 ng
 RT: 10.55 min Scan# 1236
 Delta R.T. 0.01 min
 Lab File: BG038141.D
 Acq: 26 Nov 2018 18:45

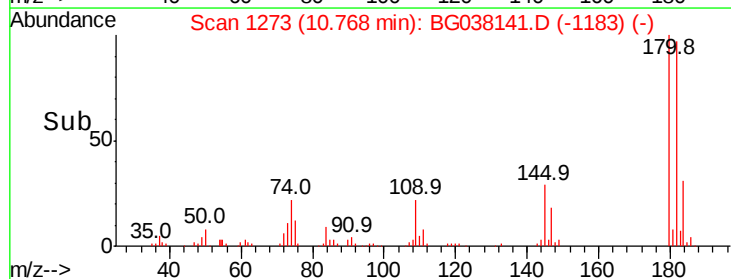
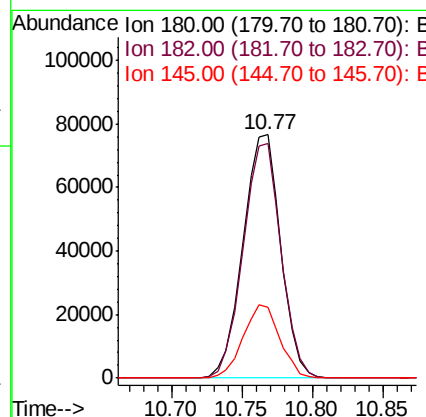
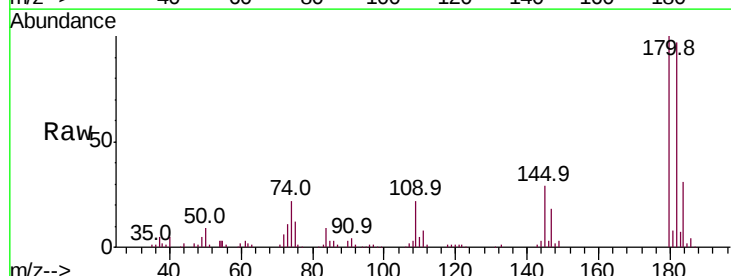
Instrument :
 BNA_G
 ClientSampleId :
 VTW-02MSD

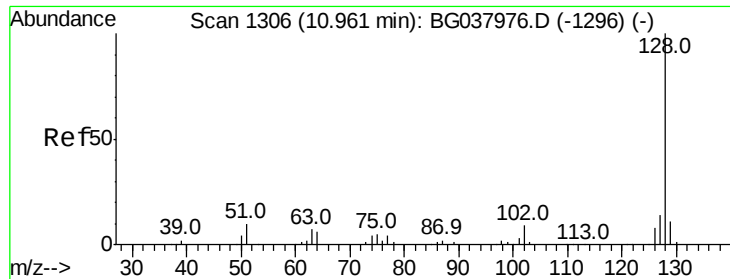
Tot Ion	Ratio	Lower	Upper
162	100		
164	66.0	43.2	83.2
98	32.5	16.0	56.0



#30
 1,2,4-Trichlorobenzene
 Concen: 42.503 ng
 RT: 10.77 min Scan# 1273
 Delta R.T. 0.00 min
 Lab File: BG038141.D
 Acq: 26 Nov 2018 18:45

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.6	77.7	116.5
145	29.1	23.3	34.9

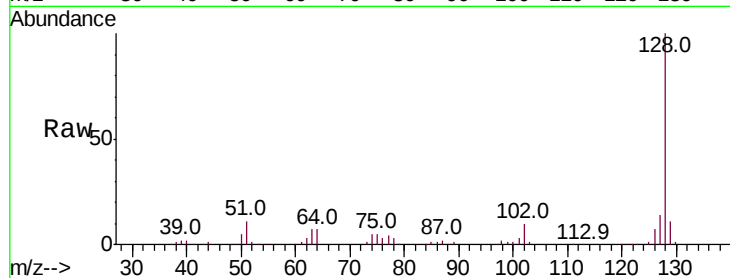




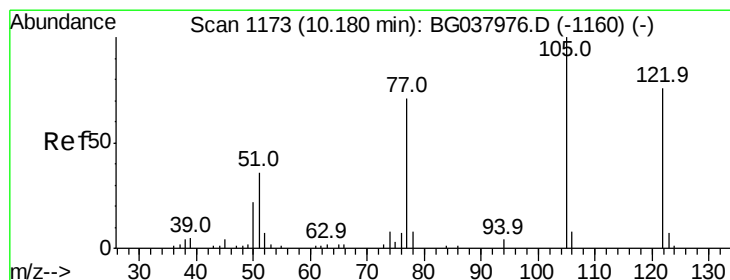
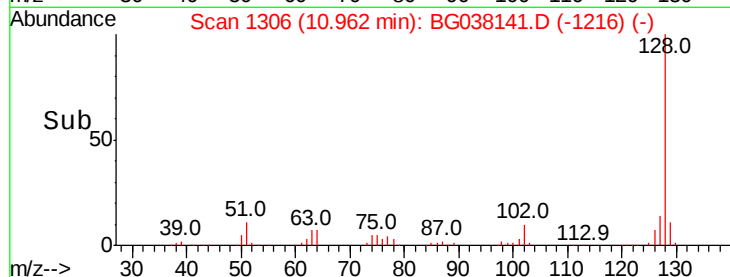
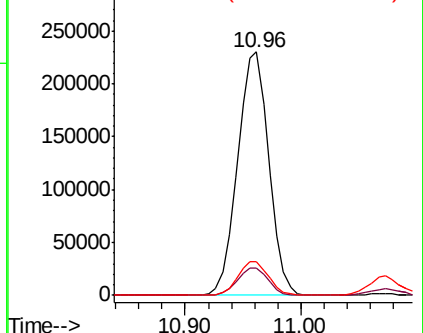
#31
Naphthalene
Concen: 47.035 ng
RT: 10.96 min Scan# 1306
Delta R.T. 0.00 min
Lab File: BG038141.D
Acq: 26 Nov 2018 18:45

Instrument :
BNA_G
ClientSampleId :
VTW-02MSD

Tot Ion:128 Resp: 430139
Ion Ratio Lower Upper
128 100
129 11.0 9.0 13.6
127 14.1 11.1 16.7

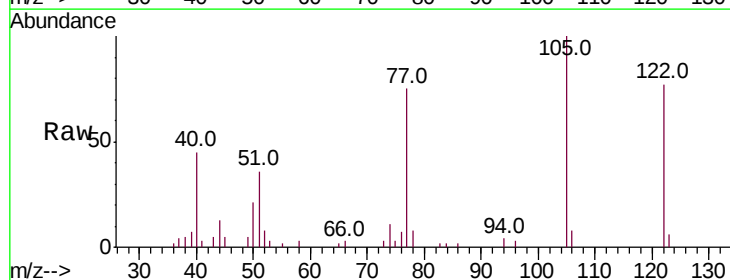


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

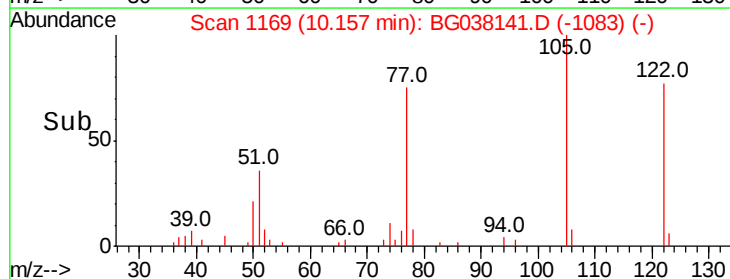
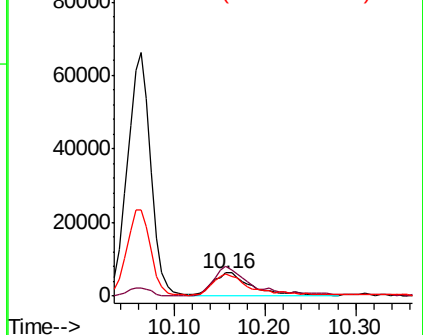


#32
Benzoic acid
Concen: 20.192 ng
RT: 10.16 min Scan# 1169
Delta R.T. -0.02 min
Lab File: BG038141.D
Acq: 26 Nov 2018 18:45

Tgt Ion:122 Resp: 18201
Ion Ratio Lower Upper
122 100
105 129.6 106.7 146.7
77 96.8 72.2 112.2



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): BG

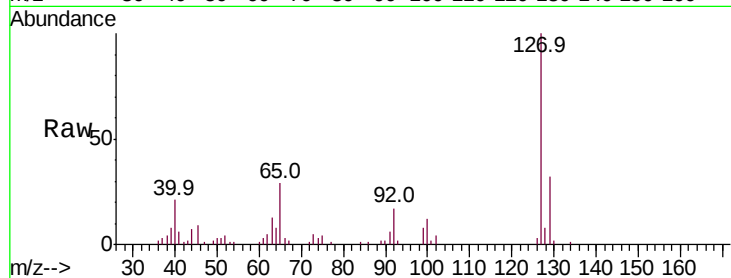




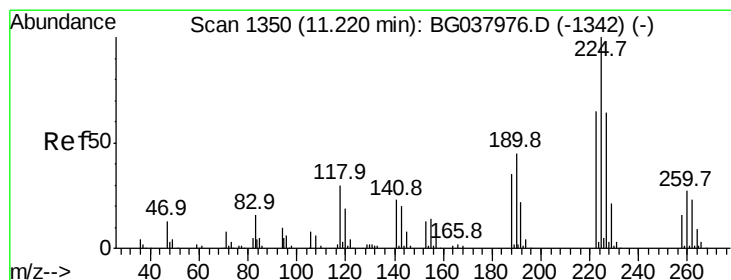
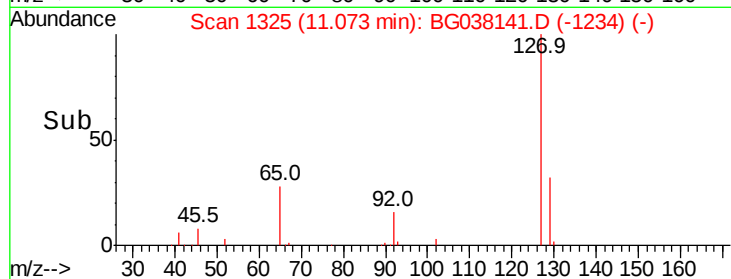
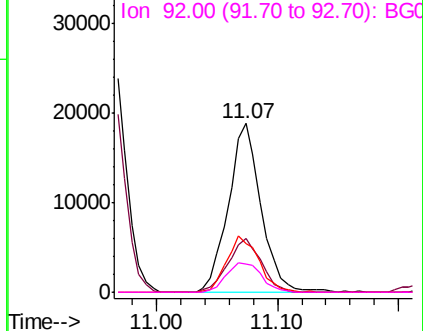
#33
4-Chloroaniline
Concen: 8.320 ng
RT: 11.07 min Scan# 1325
Delta R.T. 0.01 min
Lab File: BG038141.D
Acq: 26 Nov 2018 18:45

Instrument :
BNA_G
ClientSampleId :
VTW-02MSD

Tot Ion:127 Resp: 35391
Ion Ratio Lower Upper
127 100
129 31.8 27.1 40.7
65 29.1 26.6 39.8
92 17.1 16.4 24.6

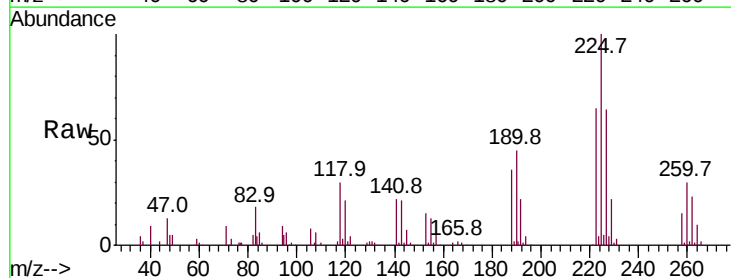


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BG
Ion 92.00 (91.70 to 92.70): BG

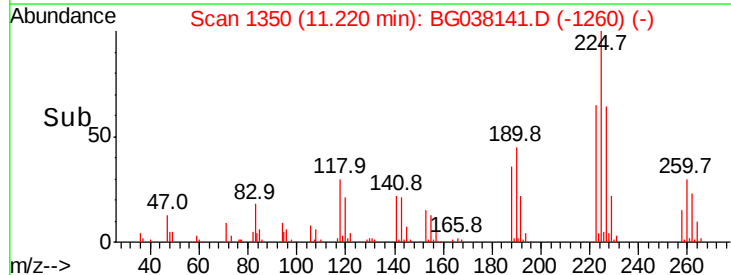
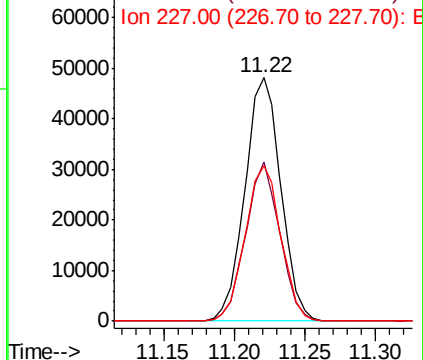


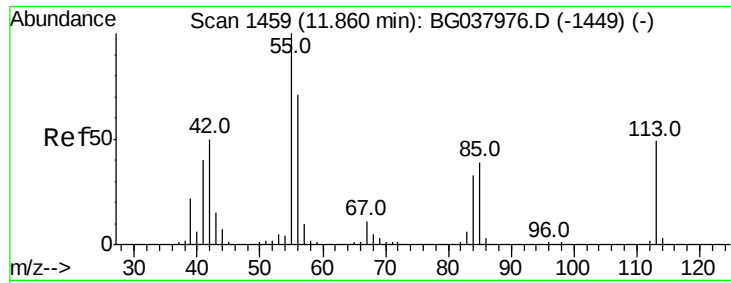
#34
Hexachlorobutadiene
Concen: 41.372 ng
RT: 11.22 min Scan# 1350
Delta R.T. 0.00 min
Lab File: BG038141.D
Acq: 26 Nov 2018 18:45

Tgt Ion:225 Resp: 85774
Ion Ratio Lower Upper
225 100
223 65.6 48.2 72.4
227 64.2 51.6 77.4



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: 6.073 ng

RT: 11.86 min Scan# 1459

Delta R.T. 0.00 min

Lab File: BG038141.D

Acq: 26 Nov 2018 18:45

Instrument :

BNA_G

ClientSampleId :

VTW-02MSD

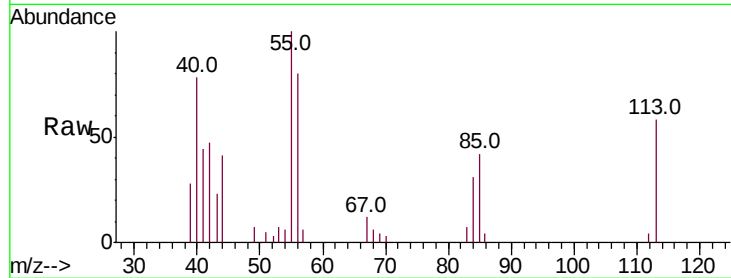
Tot Ion:113 Resp: 7308

Ion Ratio Lower Upper

113 100

55 173.6 176.6 216.6#

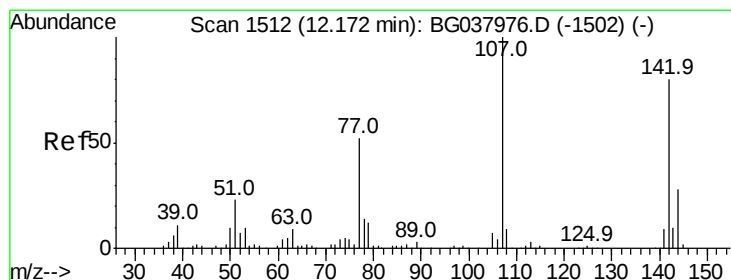
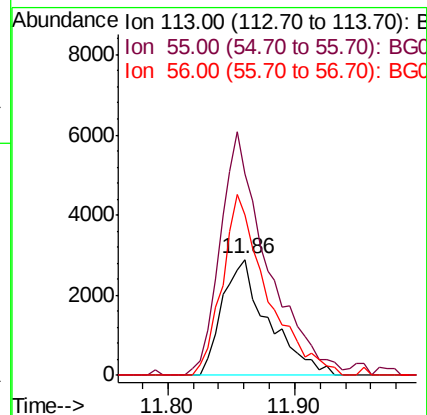
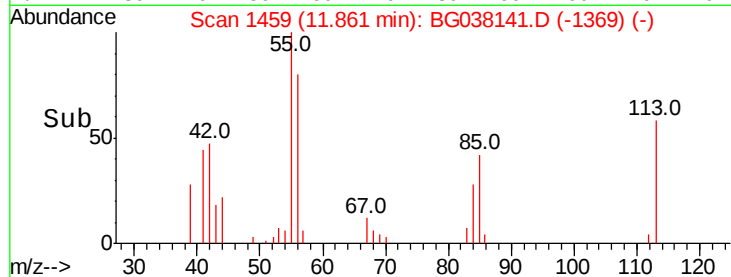
56 138.1 128.3 168.3



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BG

Ion 56.00 (55.70 to 56.70): BG



#36

4-Chloro-3-methylphenol

Concen: 40.526 ng

RT: 12.17 min Scan# 1512

Delta R.T. 0.00 min

Lab File: BG038141.D

Acq: 26 Nov 2018 18:45

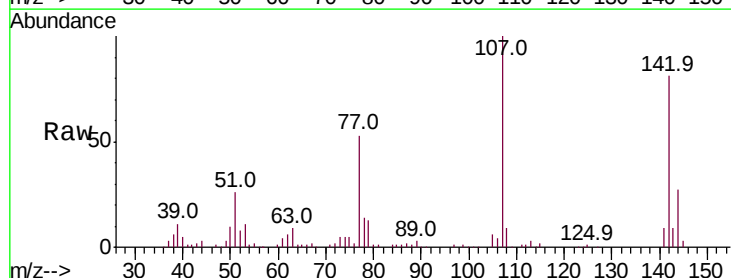
Tgt Ion:107 Resp: 133098

Ion Ratio Lower Upper

107 100

144 27.4 20.7 31.1

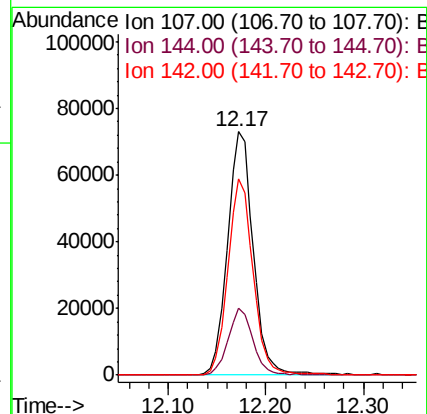
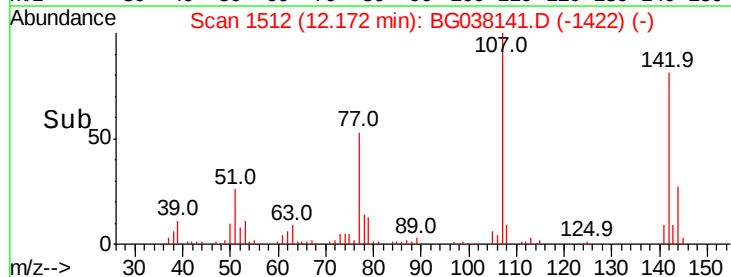
142 80.8 64.4 96.6

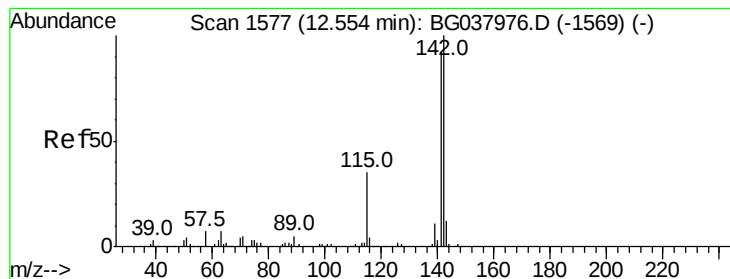


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





#37

2-Methylnaphthalene

Concen: 48.975 ng

RT: 12.55 min Scan# 1577

Delta R.T. 0.00 min

Lab File: BG038141.D

Acq: 26 Nov 2018 18:45

Instrument :

BNA_G

ClientSampleId :

VTW-02MSD

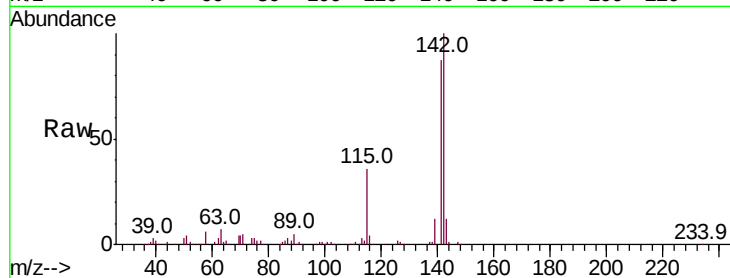
Tot Ion:142 Resp: 321717

Ion Ratio Lower Upper

142 100

141 87.4 71.9 107.9

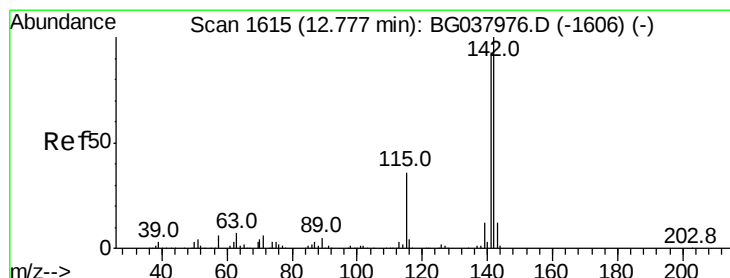
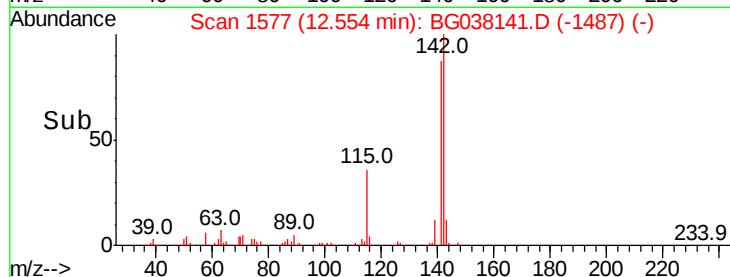
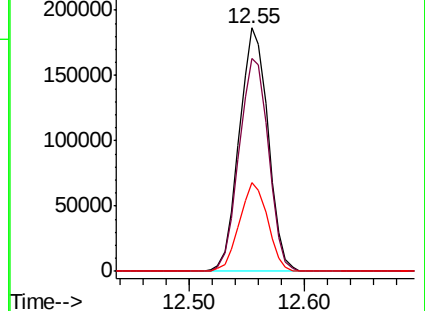
115 36.2 27.8 41.8



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

1-Methylnaphthalene

Concen: 48.090 ng

RT: 12.78 min Scan# 1615

Delta R.T. 0.00 min

Lab File: BG038141.D

Acq: 26 Nov 2018 18:45

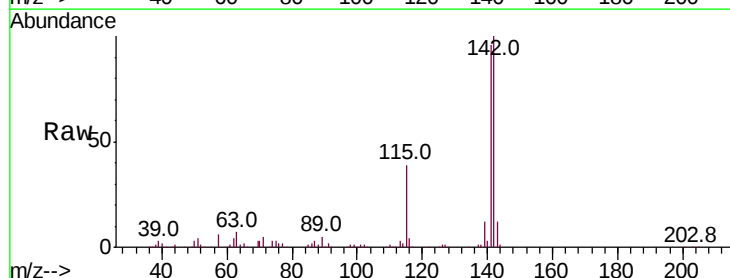
Tgt Ion:142 Resp: 304078

Ion Ratio Lower Upper

142 100

141 95.9 75.2 112.8

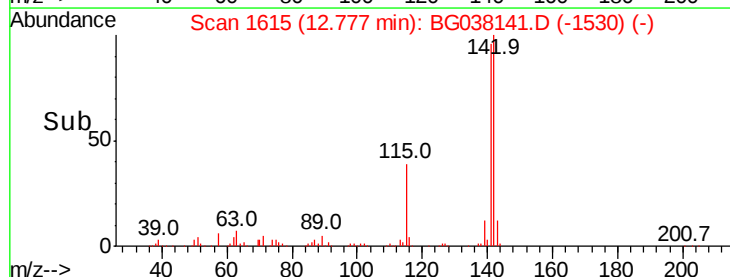
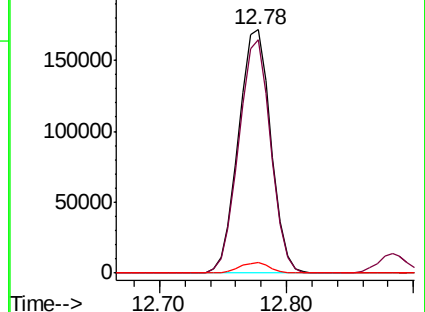
116 4.1 3.3 4.9

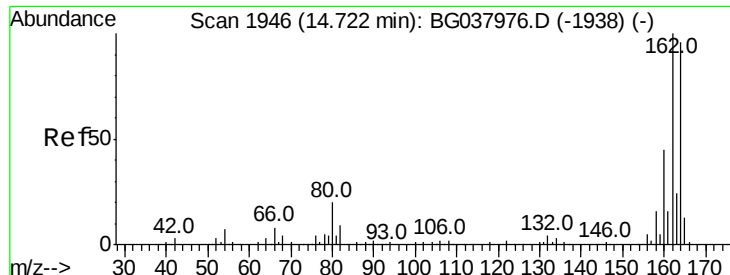


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.72 min Scan# 1946

Delta R.T. 0.00 min

Lab File: BG038141.D

Acq: 26 Nov 2018 18:45

Instrument :

BNA_G

ClientSampleId :

VTW-02MSD

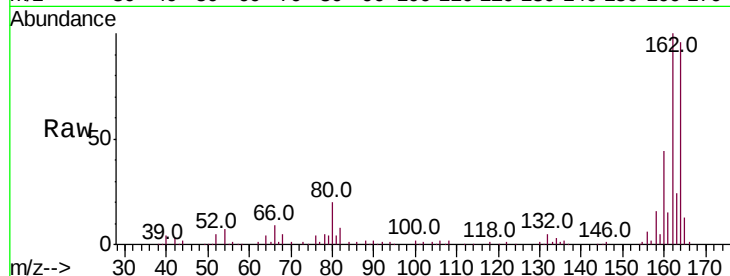
Tot Ion:164 Resp: 113796

Ion Ratio Lower Upper

164 100

162 103.7 81.3 121.9

160 45.3 36.3 54.5

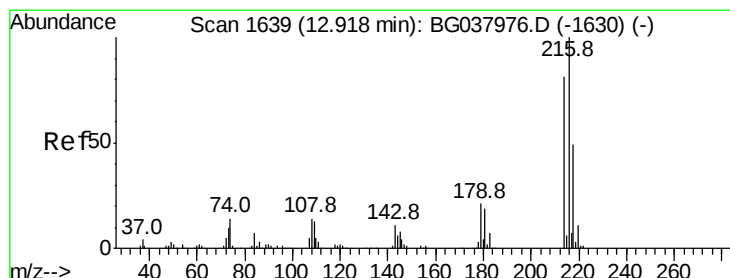
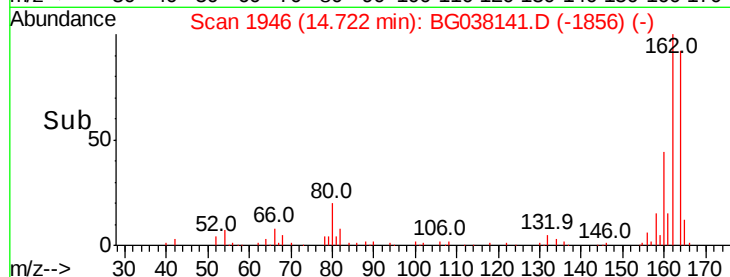
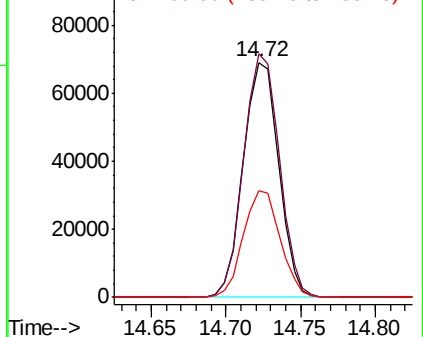


Abundance

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: 43.375 ng

RT: 12.92 min Scan# 1639

Delta R.T. 0.00 min

Lab File: BG038141.D

Acq: 26 Nov 2018 18:45

Tgt Ion:216 Resp: 164935

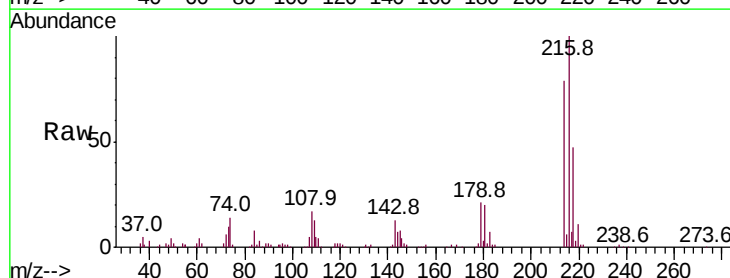
Ion Ratio Lower Upper

216 100

214 80.3 63.8 95.6

179 21.4 17.4 26.0

108 19.8 13.9 20.9



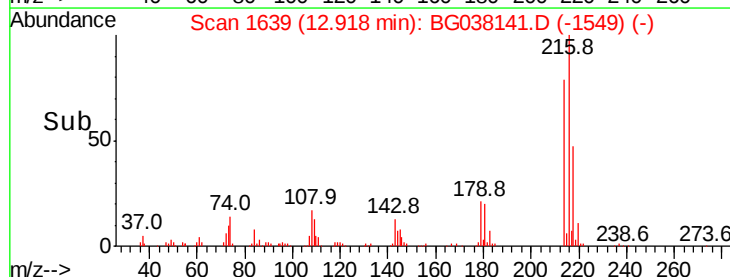
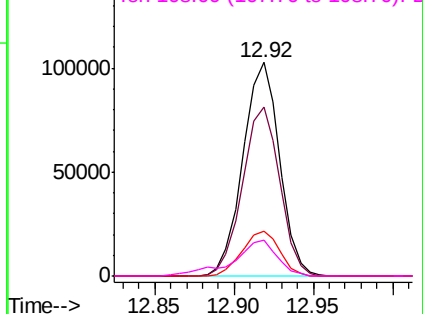
Abundance

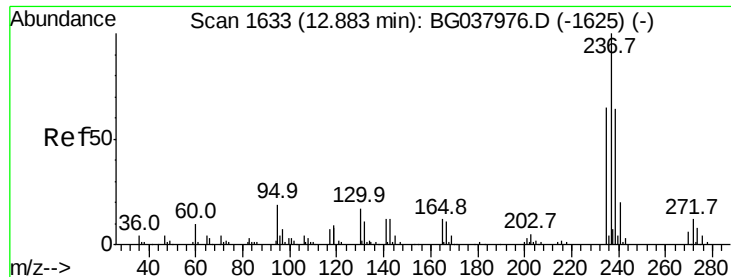
Ion 216.00 (215.70 to 216.70): E

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: 95.585 ng

RT: 12.88 min Scan# 1633

Delta R.T. 0.00 min

Lab File: BG038141.D

Acq: 26 Nov 2018 18:45

Instrument :

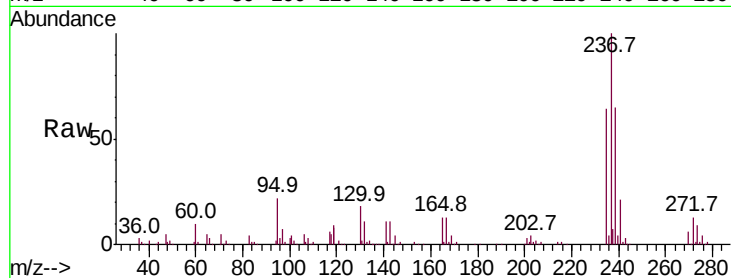
BNA_G

ClientSampleId :

VTW-02MSD

Tot Ion:237 Resp: 194627

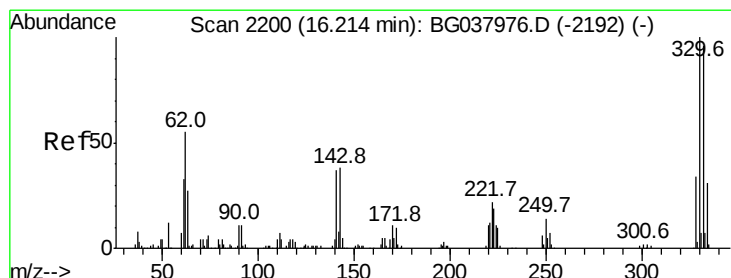
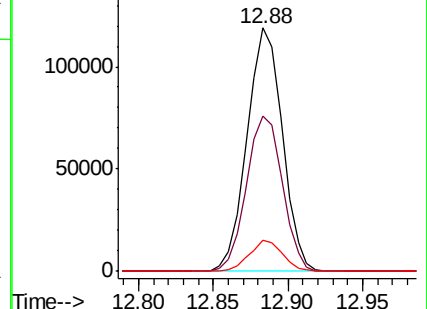
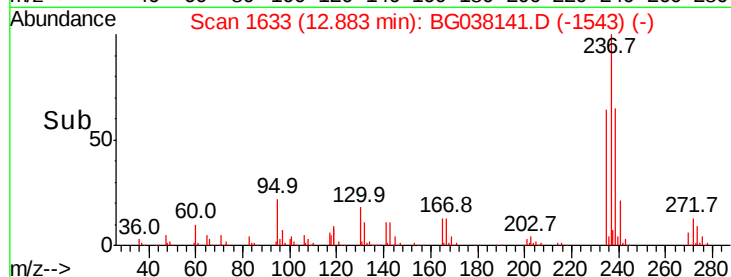
Ion	Ratio	Lower	Upper
237	100		
235	63.6	42.5	82.5
272	12.8	0.0	31.6



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: 116.502 ng

RT: 16.21 min Scan# 2200

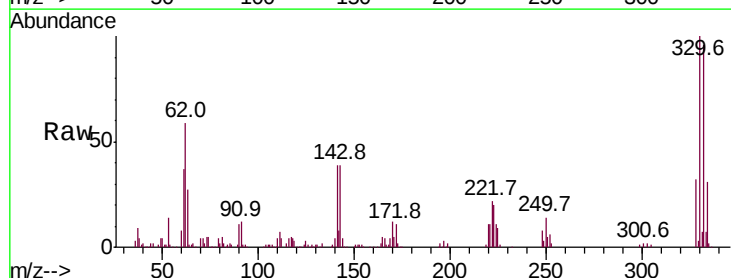
Delta R.T. 0.00 min

Lab File: BG038141.D

Acq: 26 Nov 2018 18:45

Tgt Ion:330 Resp: 151198

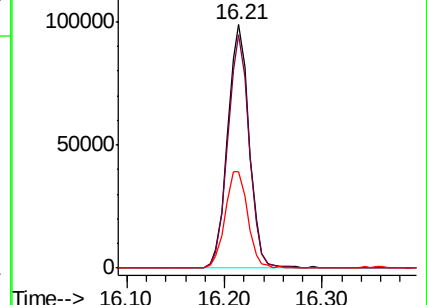
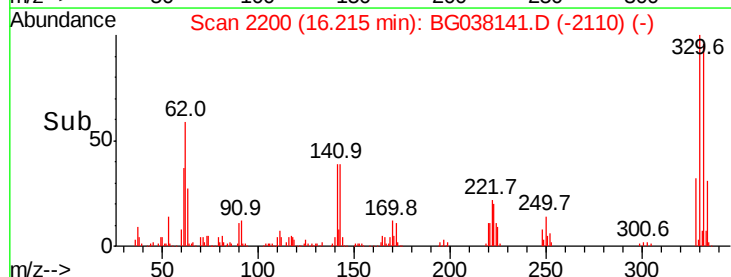
Ion	Ratio	Lower	Upper
330	100		
332	95.3	78.4	117.6
141	41.7	32.2	48.2

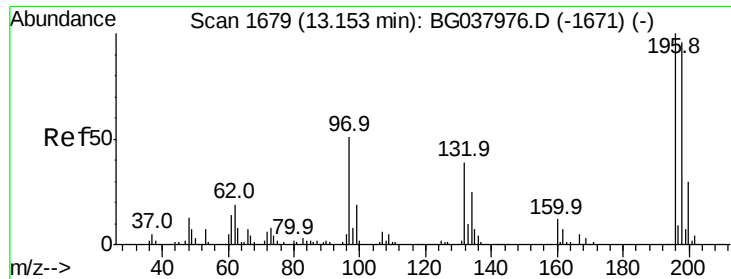


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

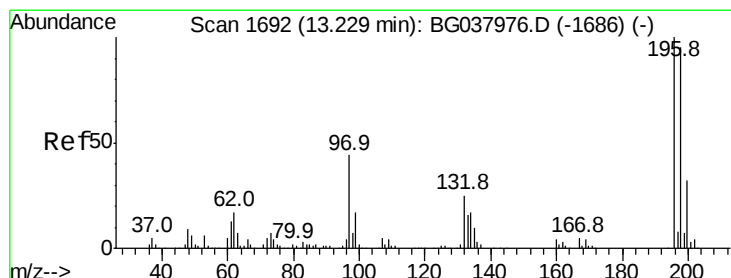
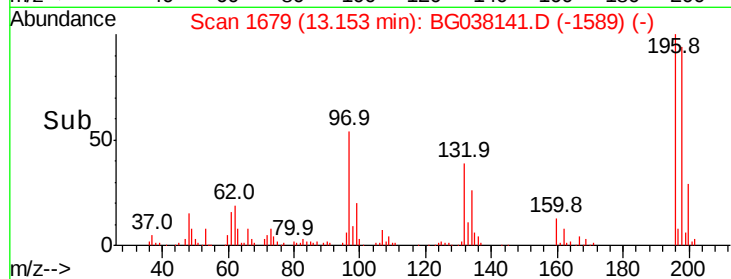
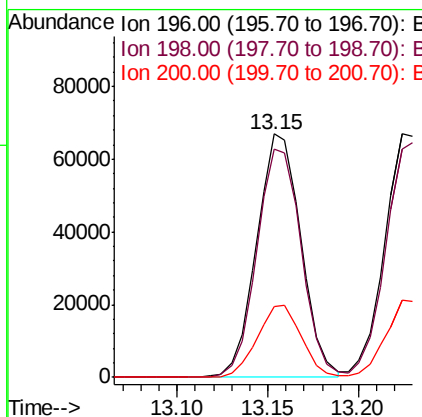
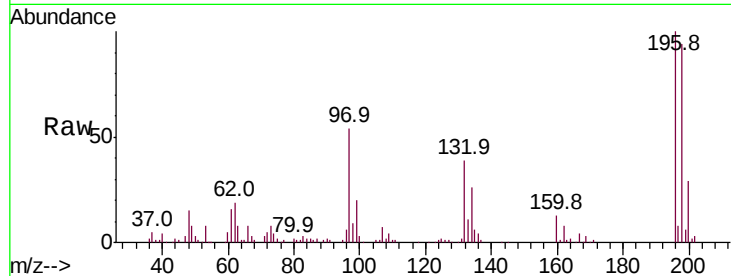




#43
 2,4,6-Trichlorophenol
 Concen: 43.766 ng
 RT: 13.15 min Scan# 1679
 Delta R.T. 0.00 min
 Lab File: BG038141.D
 Acq: 26 Nov 2018 18:45

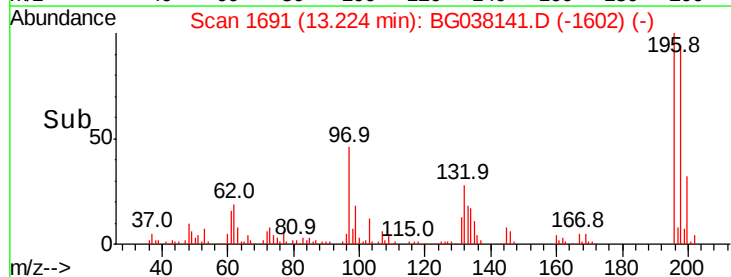
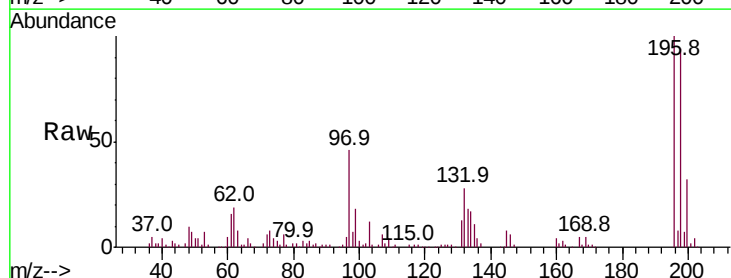
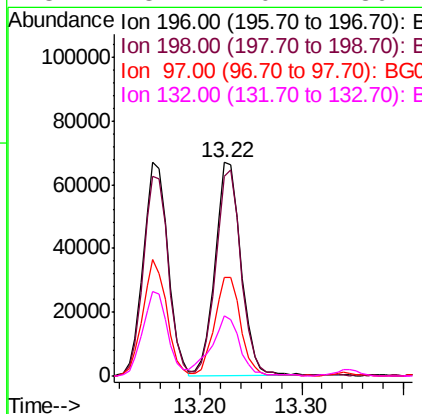
Instrument :
 BNA_G
 ClientSampleId :
 VTW-02MSD

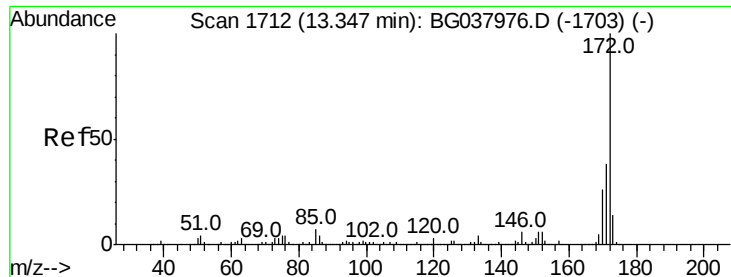
Tot Ion	Ratio	Lower	Upper
196	100		
198	93.8	76.4	114.6
200	29.0	24.9	37.3



#44
 2,4,5-Trichlorophenol
 Concen: 43.694 ng
 RT: 13.22 min Scan# 1691
 Delta R.T. -0.01 min
 Lab File: BG038141.D
 Acq: 26 Nov 2018 18:45

Tgt Ion	Ratio	Lower	Upper
196	100		
198	93.6	74.2	111.2
97	46.1	34.1	51.1
132	28.1	20.2	30.4

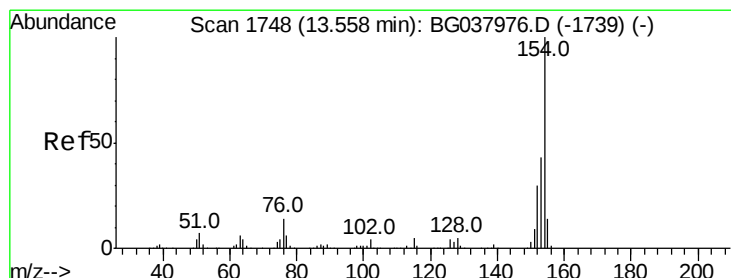
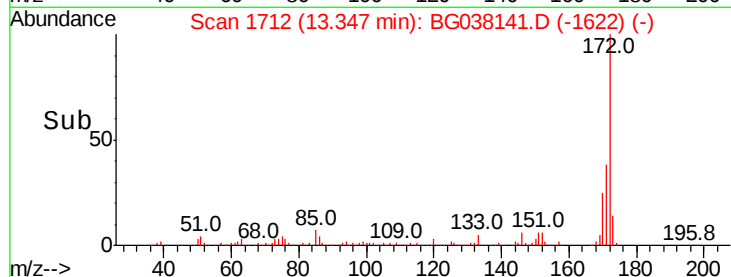
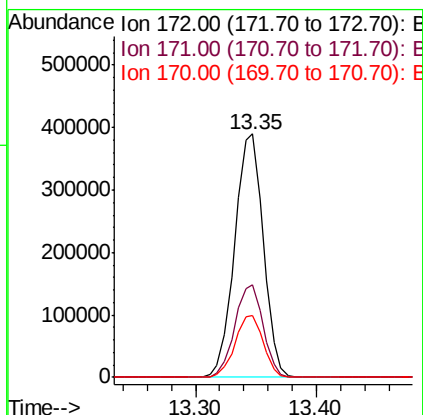
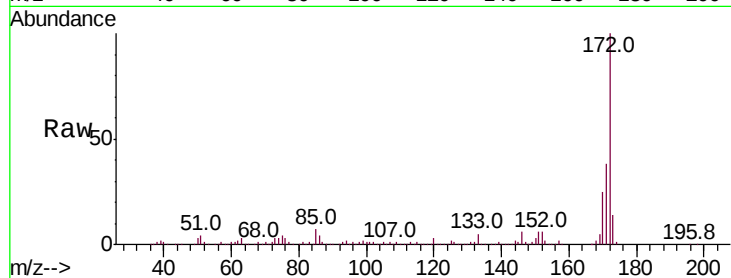




#45
2-Fluorobiphenyl
Concen: 82.517 ng
RT: 13.35 min Scan# 1712
Delta R.T. 0.00 min
Lab File: BG038141.D
Acq: 26 Nov 2018 18:45

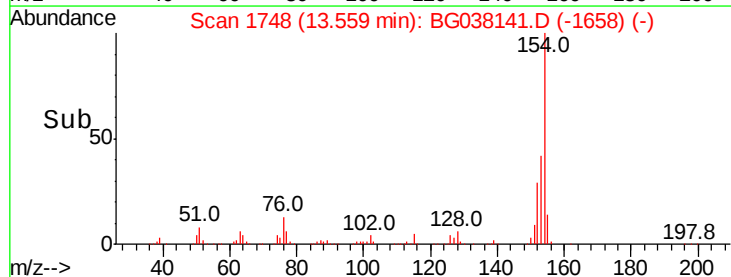
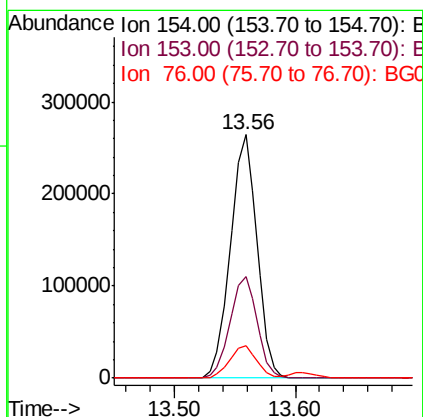
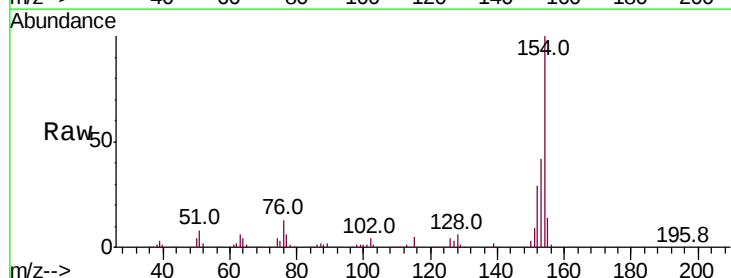
Instrument :
BNA_G
ClientSampleId :
VTW-02MSD

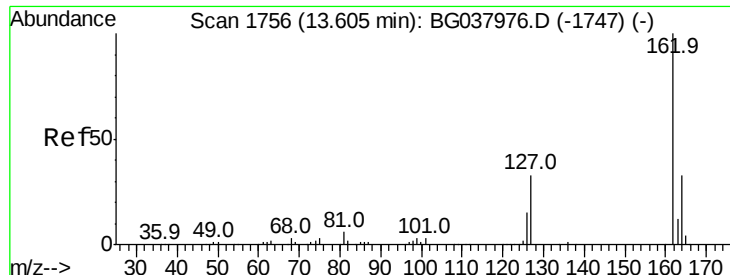
Tot Ion:172 Resp: 644549
Ion Ratio Lower Upper
172 100
171 38.1 31.0 46.4
170 25.3 20.2 30.2



#46
1,1'-Biphenyl
Concen: 42.287 ng
RT: 13.56 min Scan# 1748
Delta R.T. 0.00 min
Lab File: BG038141.D
Acq: 26 Nov 2018 18:45

Tgt Ion:154 Resp: 404267
Ion Ratio Lower Upper
154 100
153 41.5 22.1 62.1
76 13.2 0.0 33.2

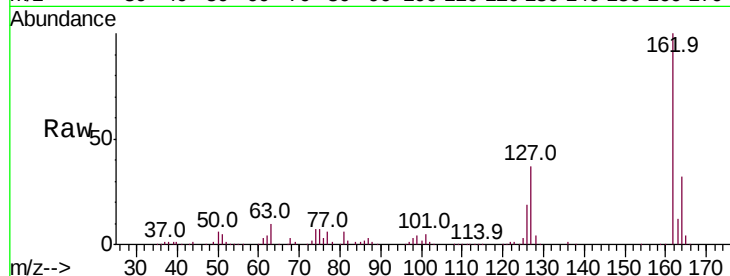




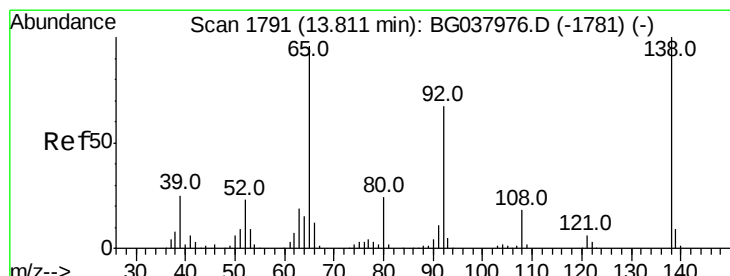
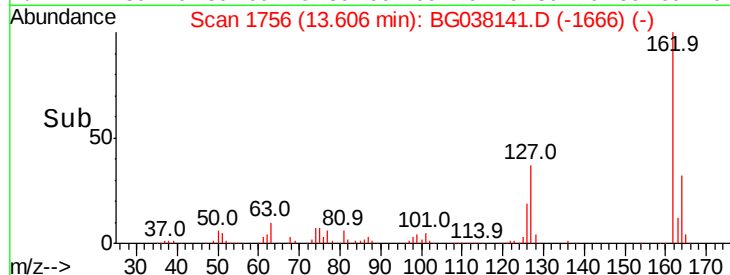
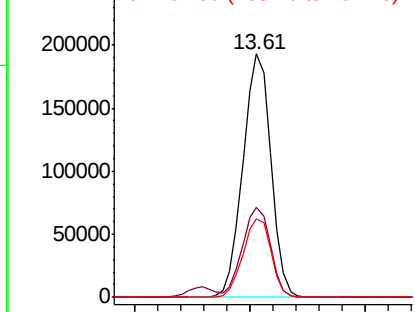
#47
 2-Chloronaphthalene
 Concen: 44.486 ng
 RT: 13.61 min Scan# 1756
 Delta R.T. 0.00 min
 Lab File: BG038141.D
 Acq: 26 Nov 2018 18:45

Instrument :
 BNA_G
 ClientSampleId :
 VTW-02MSD

Tot Ion	Ratio	Lower	Upper
162	100		
127	37.2	30.5	45.7
164	32.5	26.4	39.6

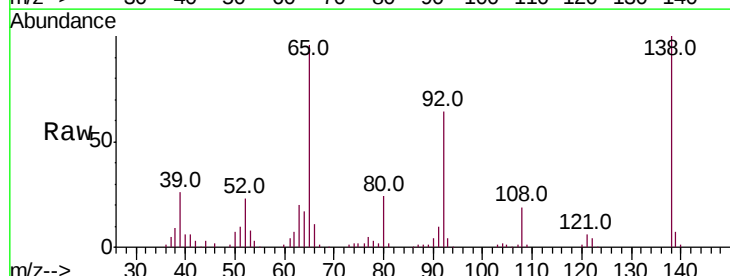


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E

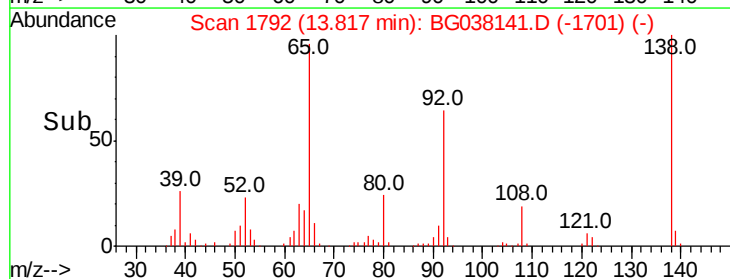
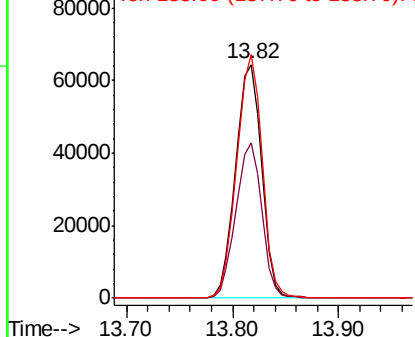


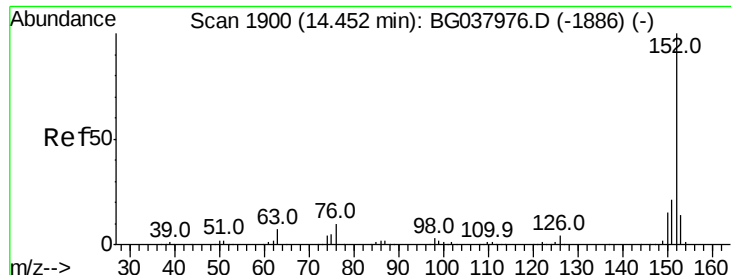
#48
 2-Nitroaniline
 Concen: 47.714 ng
 RT: 13.82 min Scan# 1792
 Delta R.T. 0.01 min
 Lab File: BG038141.D
 Acq: 26 Nov 2018 18:45

Tgt Ion	Ratio	Lower	Upper
65	100		
92	66.5	53.2	79.8
138	104.1	79.3	118.9



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: 48.424 ng

RT: 14.45 min Scan# 1900

Delta R.T. 0.00 min

Lab File: BG038141.D

Acq: 26 Nov 2018 18:45

Instrument :

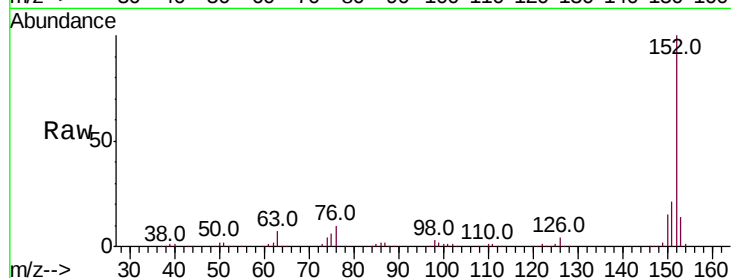
BNA_G

ClientSampleId :

VTW-02MSD

Tot Ion:152 Resp: 531227

Ion	Ratio	Lower	Upper
152	100		
151	21.5	17.1	25.7
153	13.9	11.1	16.7

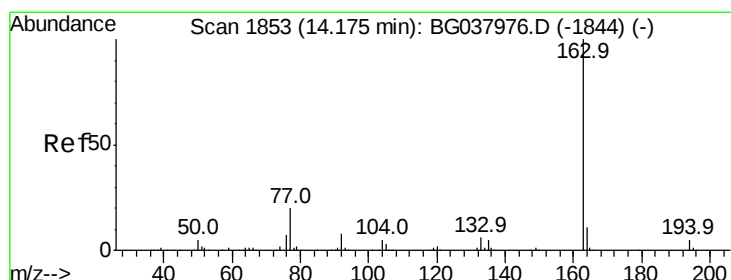
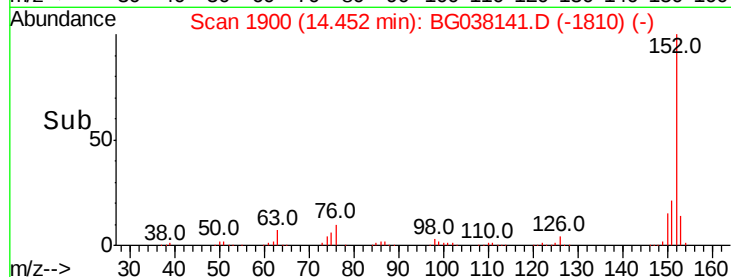
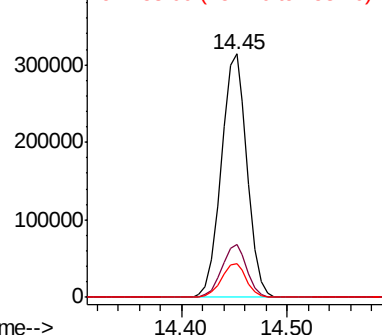


Abundance

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: 46.059 ng

RT: 14.18 min Scan# 1853

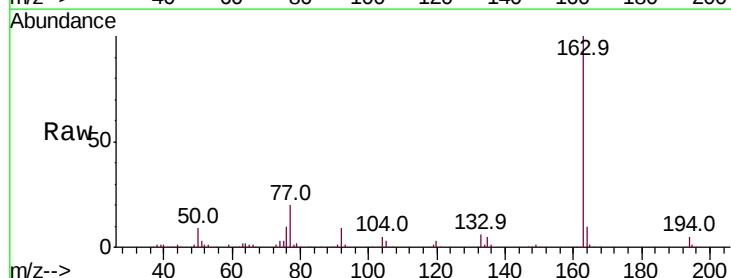
Delta R.T. 0.00 min

Lab File: BG038141.D

Acq: 26 Nov 2018 18:45

Tgt Ion:163 Resp: 415520

Ion	Ratio	Lower	Upper
163	100		
194	4.6	3.5	5.3
164	10.4	8.5	12.7

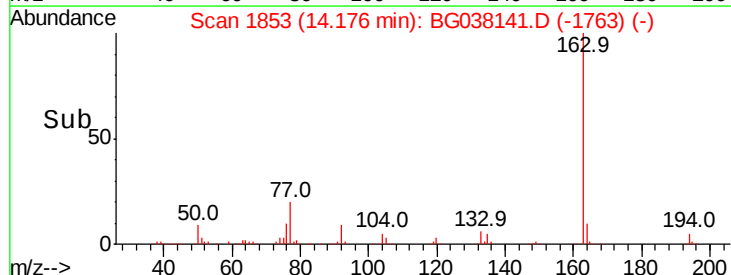
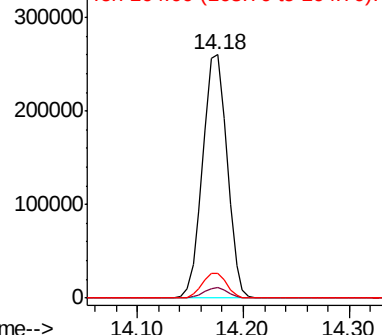


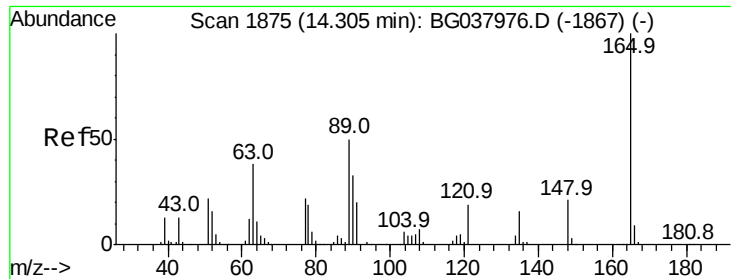
Abundance

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: 46.888 ng

RT: 14.31 min Scan# 1875

Delta R.T. 0.00 min

Lab File: BG038141.D

Acq: 26 Nov 2018 18:45

Instrument :

BNA_G

ClientSampleId :

VTW-02MSD

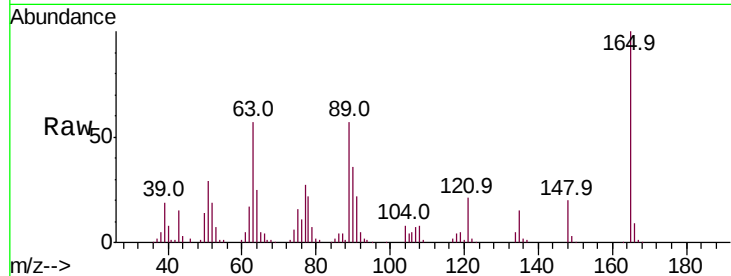
Tot Ion:165 Resp: 95736

Ion Ratio Lower Upper

165 100

63 56.6 43.4 65.2

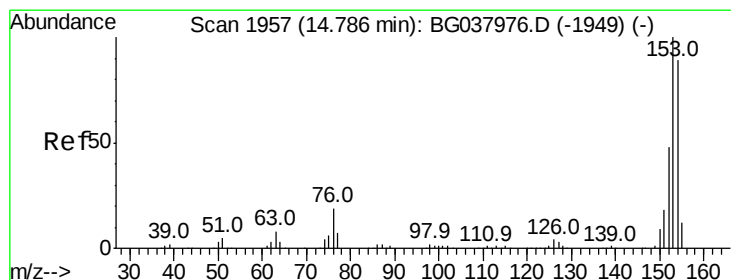
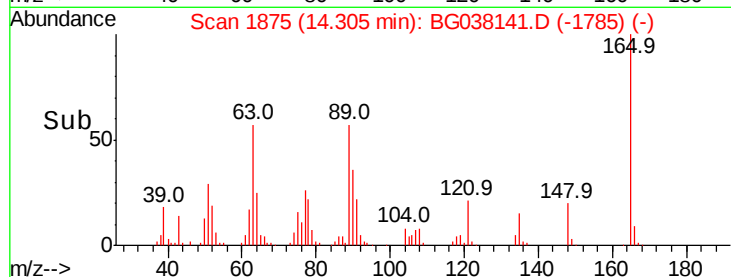
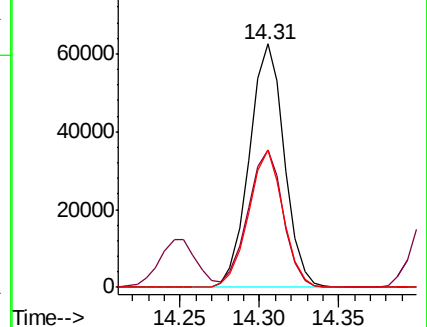
89 56.6 45.8 68.6



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG

Ion 89.00 (88.70 to 89.70): BG



#52

Acenaphthene

Concen: 46.492 ng

RT: 14.79 min Scan# 1957

Delta R.T. 0.00 min

Lab File: BG038141.D

Acq: 26 Nov 2018 18:45

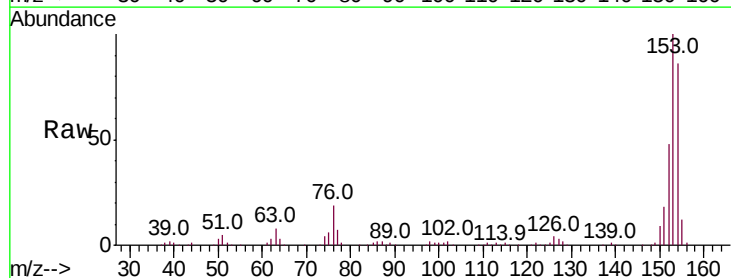
Tgt Ion:154 Resp: 307052

Ion Ratio Lower Upper

154 100

153 116.6 93.4 140.0

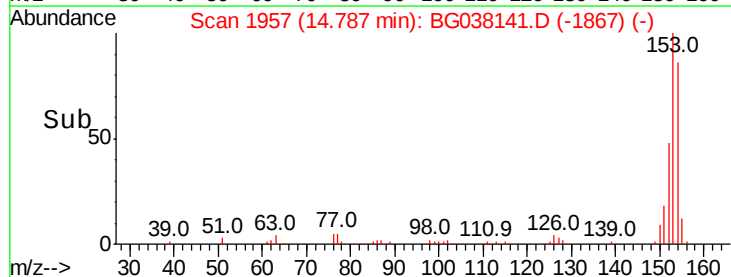
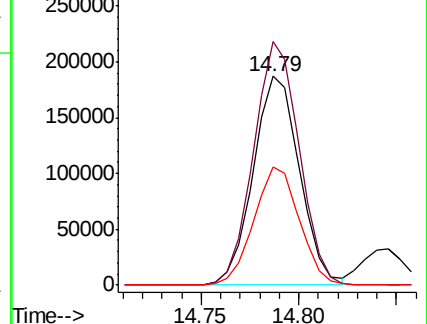
152 56.4 44.7 67.1



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

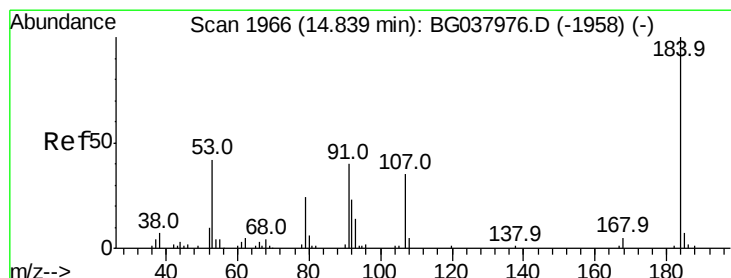
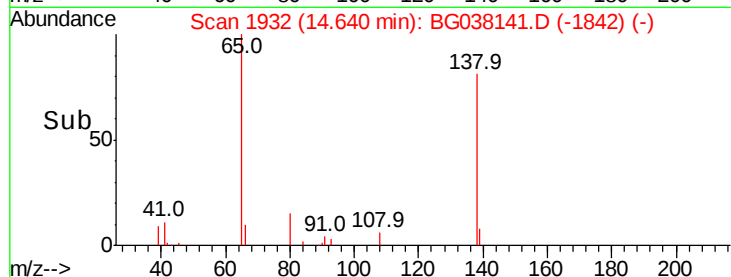
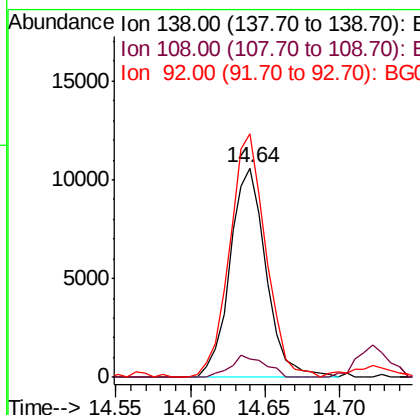
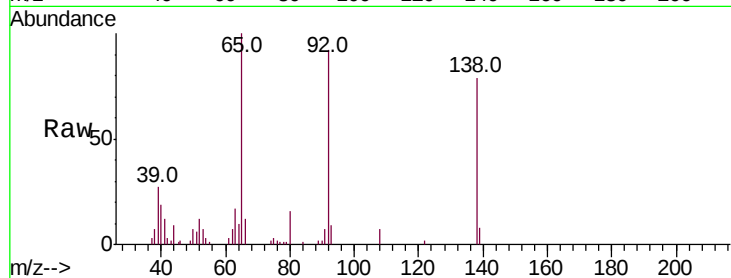




#53
3-Nitroaniline
Concen: 7.924 ng
RT: 14.64 min Scan# 1932
Delta R.T. 0.00 min
Lab File: BG038141.D
Acq: 26 Nov 2018 18:45

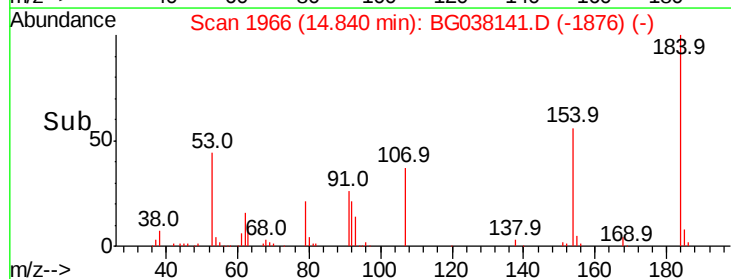
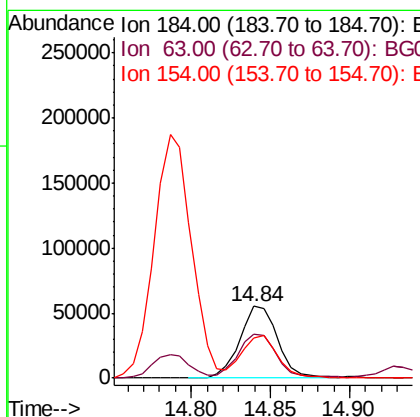
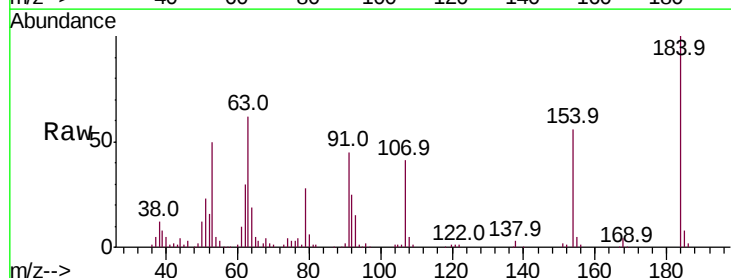
Instrument :
BNA_G
ClientSampleId :
VTW-02MSD

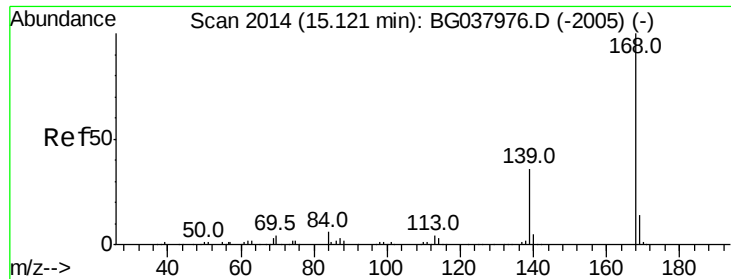
Tot Ion:138 Resp: 17853
Ion Ratio Lower Upper
138 100
108 9.1 11.0 16.6#
92 116.4 95.2 142.8



#54
2,4-Dinitrophenol
Concen: 83.524 ng
RT: 14.84 min Scan# 1966
Delta R.T. 0.00 min
Lab File: BG038141.D
Acq: 26 Nov 2018 18:45

Tgt Ion:184 Resp: 92550
Ion Ratio Lower Upper
184 100
63 61.9 42.6 63.8
154 56.3 41.8 62.6

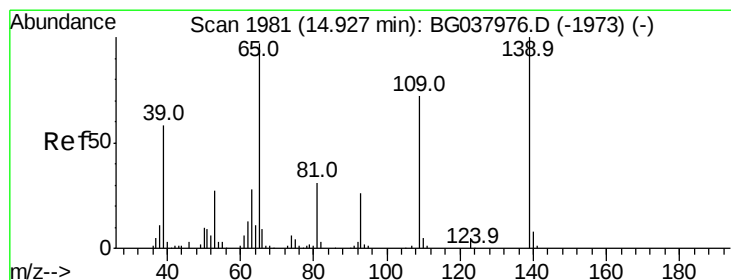
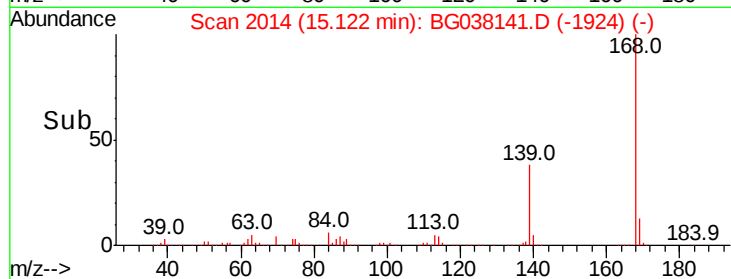
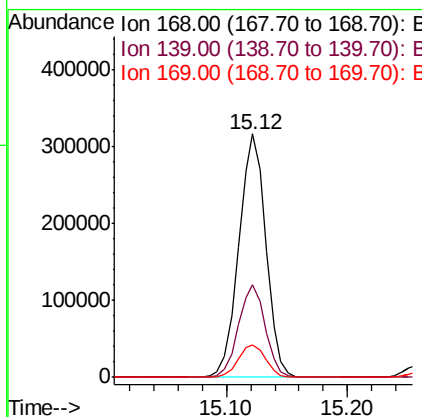
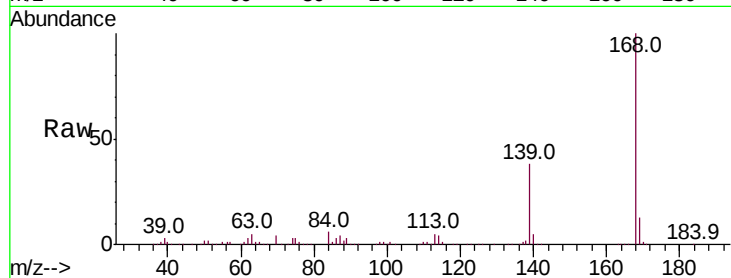




#55
Dibenzenofuran
Concen: 45.137 ng
RT: 15.12 min Scan# 2014
Delta R.T. 0.00 min
Lab File: BG038141.D
Acq: 26 Nov 2018 18:45

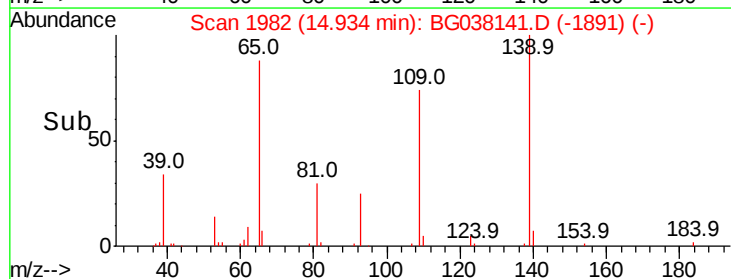
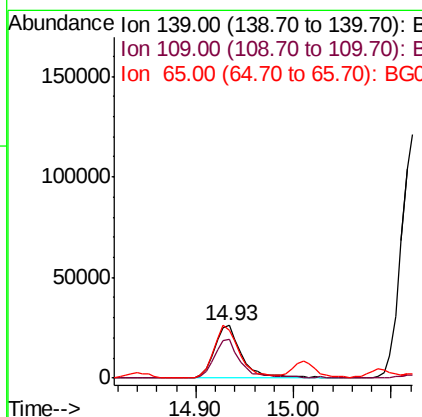
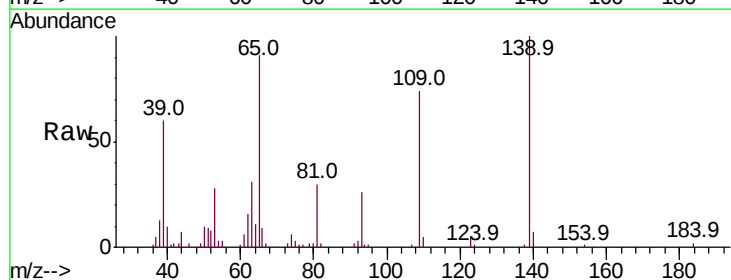
Instrument :
BNA_G
ClientSampleId :
VTW-02MSD

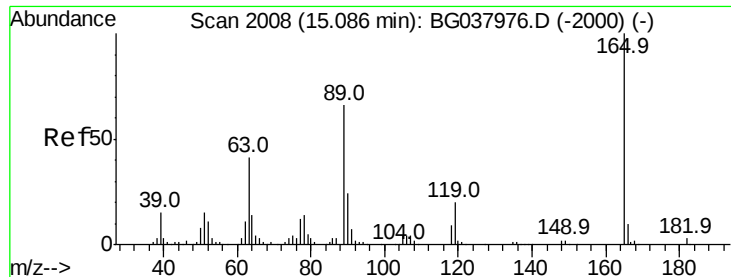
Tot Ion:168 Resp: 492927
Ion Ratio Lower Upper
168 100
139 38.2 29.4 44.0
169 13.5 11.0 16.6



#56
4-Nitrophenol
Concen: 28.935 ng
RT: 14.93 min Scan# 1982
Delta R.T. 0.01 min
Lab File: BG038141.D
Acq: 26 Nov 2018 18:45

Tgt Ion:139 Resp: 50280
Ion Ratio Lower Upper
139 100
109 74.5 49.5 89.5
65 90.5 76.8 116.8

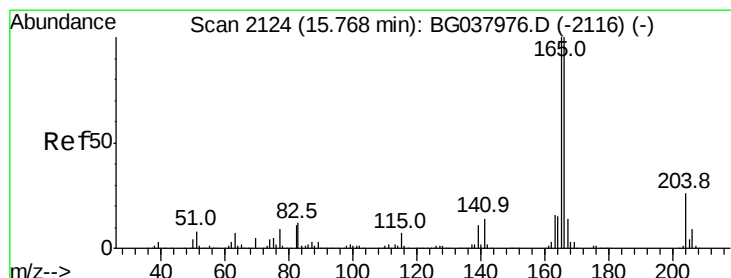
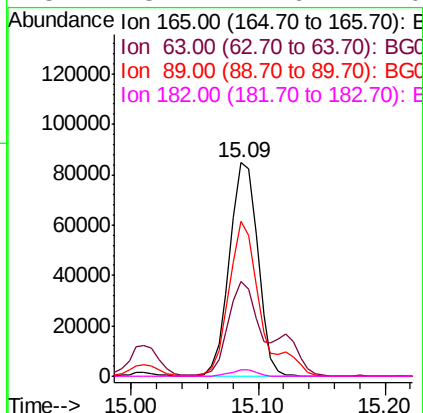
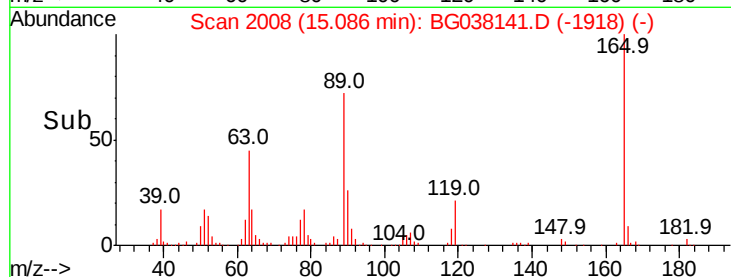
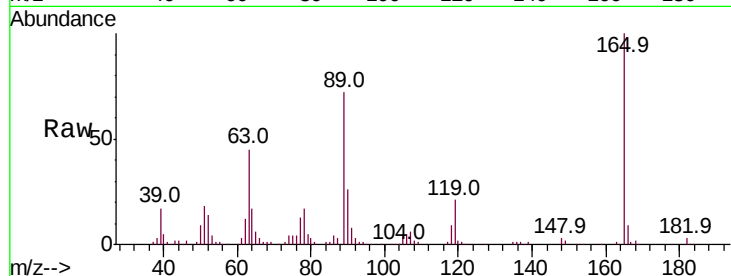




#57
2,4-Dinitrotoluene
Concen: 47.152 ng
RT: 15.09 min Scan# 2008
Delta R.T. 0.00 min
Lab File: BG038141.D
Acq: 26 Nov 2018 18:45

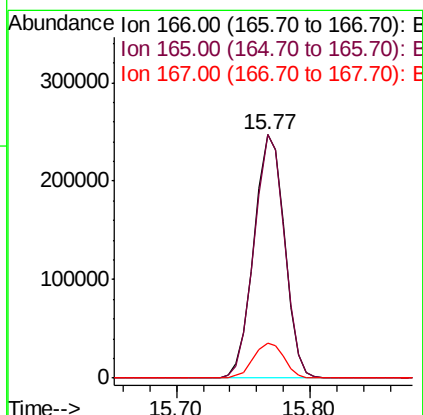
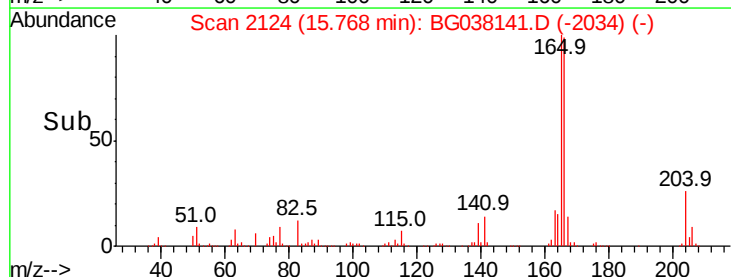
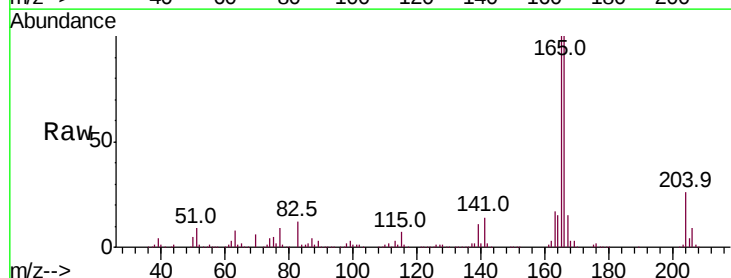
Instrument :
BNA_G
ClientSampleId :
VTW-02MSD

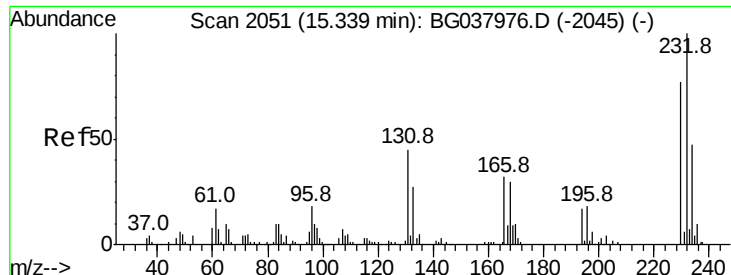
Tot Ion:165 Resp: 130990
Ion Ratio Lower Upper
165 100
63 44.6 33.4 50.0
89 72.3 57.2 85.8
182 3.2 2.6 4.0



#58
Fluorene
Concen: 47.899 ng
RT: 15.77 min Scan# 2124
Delta R.T. 0.00 min
Lab File: BG038141.D
Acq: 26 Nov 2018 18:45

Tgt Ion:166 Resp: 390289
Ion Ratio Lower Upper
166 100
165 100.1 79.0 118.6
167 14.5 11.3 16.9

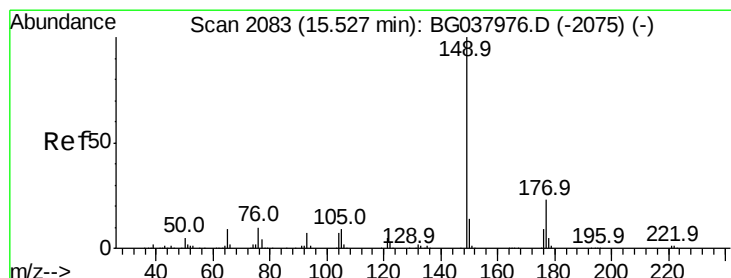
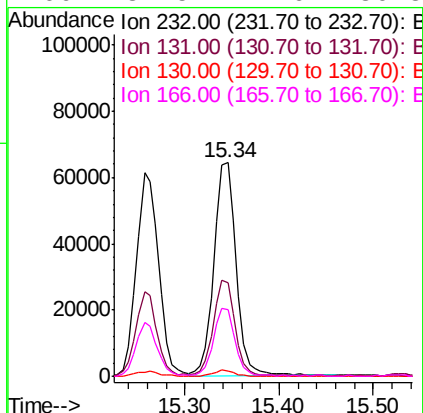
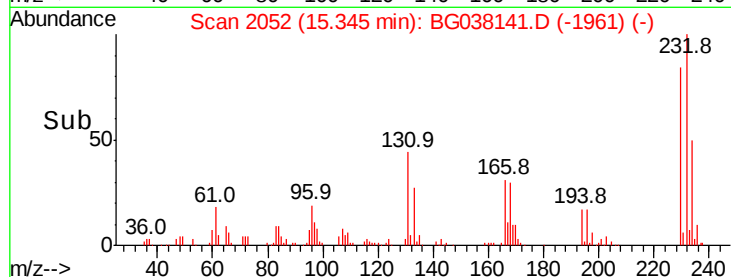
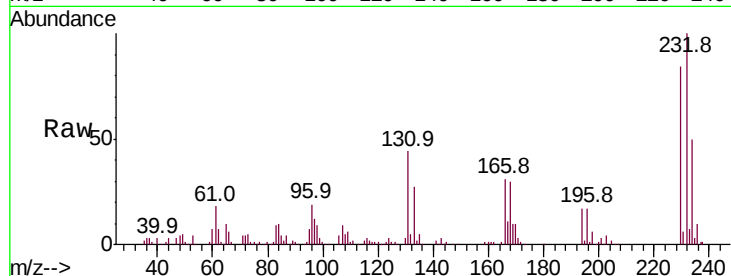




#59
 2,3,4,6-Tetrachlorophenol
 Concen: 46.644 ng
 RT: 15.34 min Scan# 2052
 Delta R.T. 0.01 min
 Lab File: BG038141.D
 Acq: 26 Nov 2018 18:45

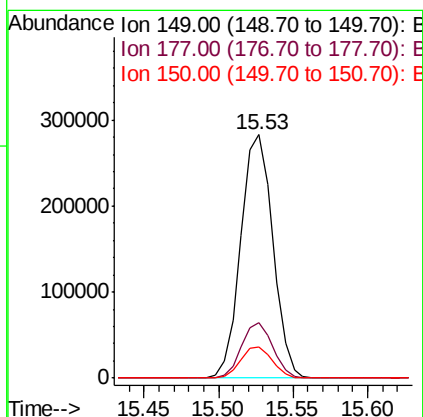
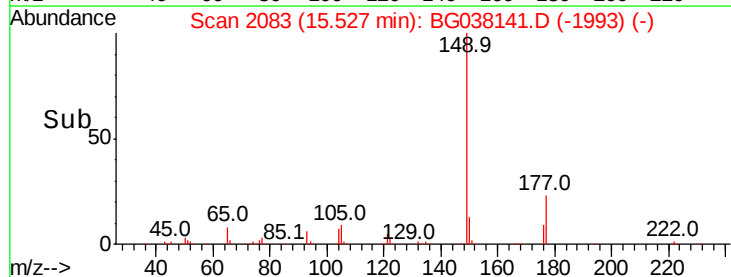
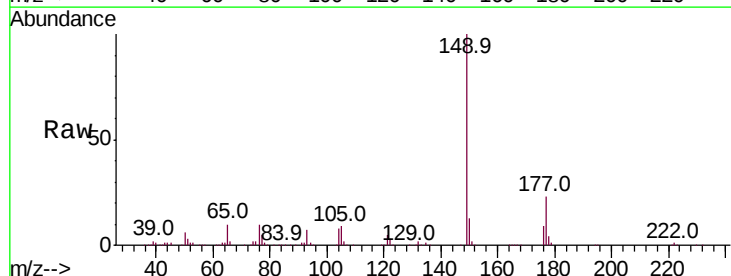
Instrument :
 BNA_G
 ClientSampleId :
 VTW-02MSD

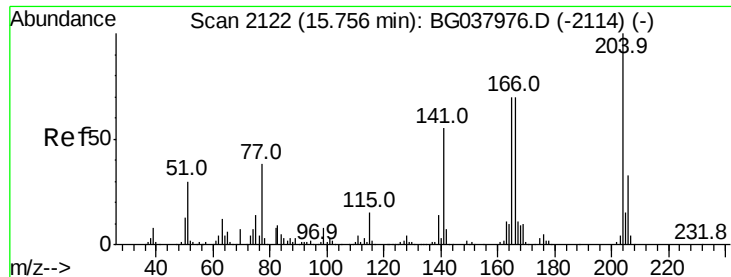
Tot Ion:232 Resp: 106412
 Ion Ratio Lower Upper
 232 100
 131 44.1 33.7 50.5
 130 2.6 2.1 3.1
 166 31.5 24.6 36.8



#60
 Diethylphthalate
 Concen: 44.015 ng
 RT: 15.53 min Scan# 2083
 Delta R.T. 0.00 min
 Lab File: BG038141.D
 Acq: 26 Nov 2018 18:45

Tgt Ion:149 Resp: 421757
 Ion Ratio Lower Upper
 149 100
 177 22.7 18.3 27.5
 150 12.9 10.0 15.0

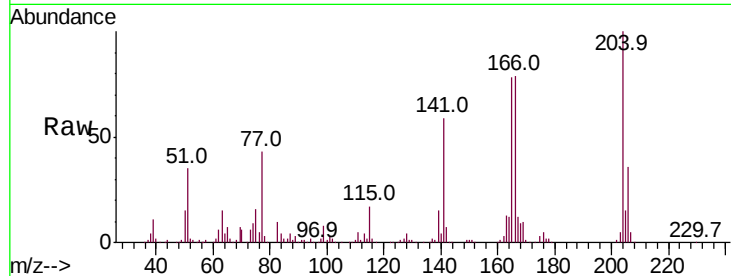




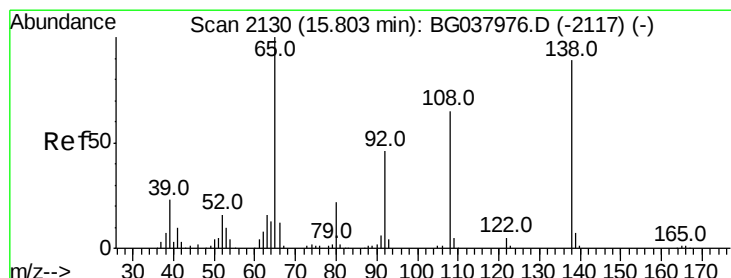
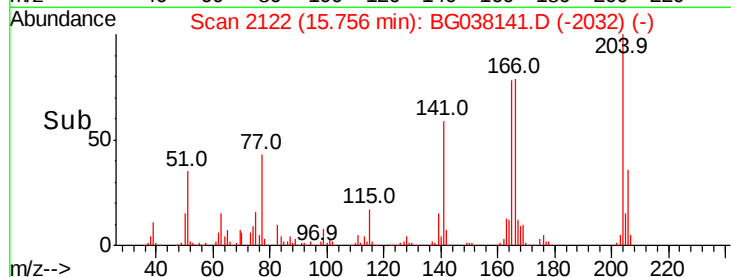
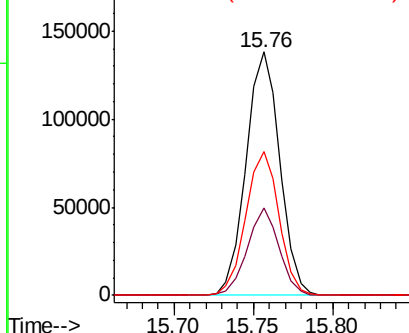
#61
4-Chlorophenyl-phenylether
Concen: 42.750 ng
RT: 15.76 min Scan# 2122
Delta R.T. 0.00 min
Lab File: BG038141.D
Acq: 26 Nov 2018 18:45

Instrument :
BNA_G
ClientSampleId :
VTW-02MSD

Tot Ion:204 Resp: 203821
Ion Ratio Lower Upper
204 100
206 35.8 26.6 39.8
141 58.8 45.4 68.2

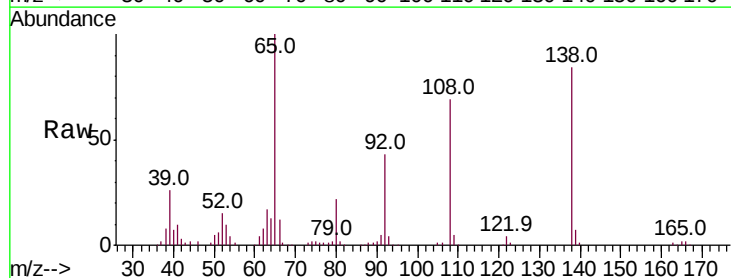


Abundance Ion 204.00 (203.70 to 204.70): E
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E

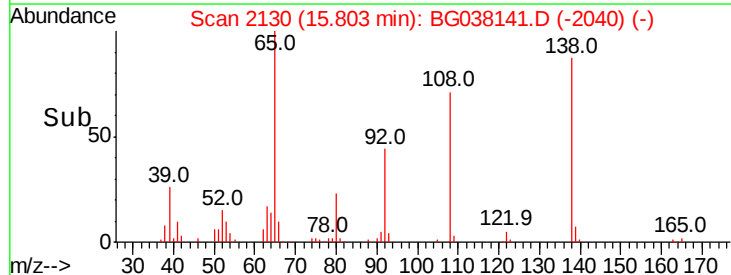
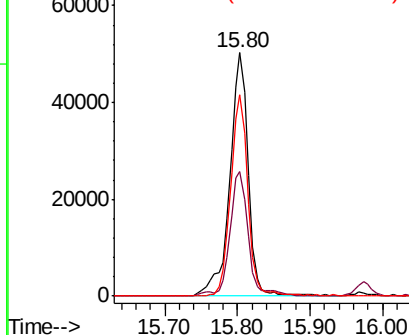


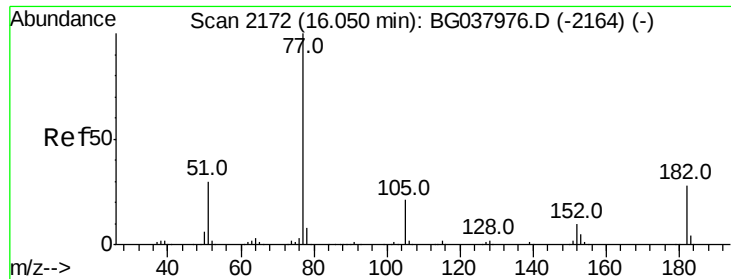
#62
4-Nitroaniline
Concen: 39.672 ng
RT: 15.80 min Scan# 2130
Delta R.T. 0.00 min
Lab File: BG038141.D
Acq: 26 Nov 2018 18:45

Tgt Ion:138 Resp: 88794
Ion Ratio Lower Upper
138 100
92 51.1 36.4 76.4
108 82.6 60.1 100.1



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

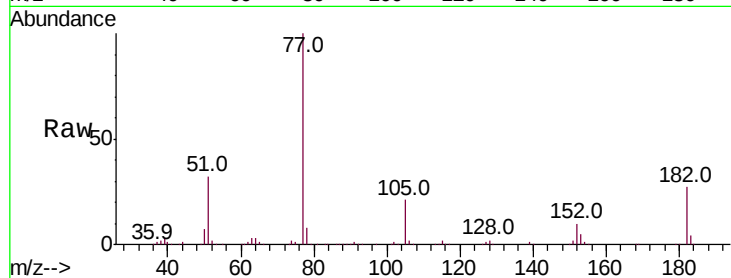




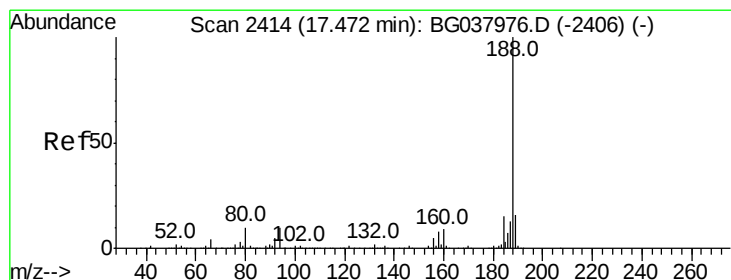
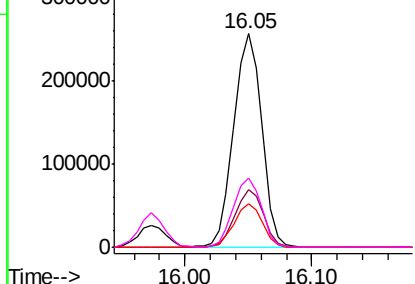
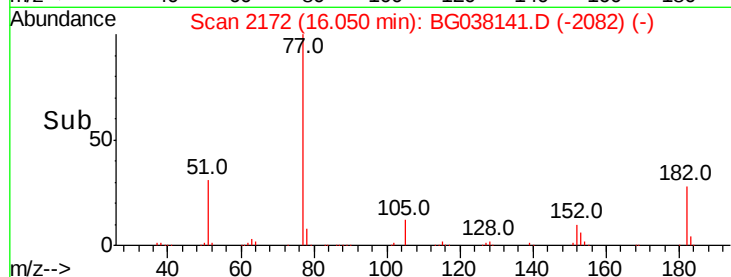
#63
Azobenzene
Concen: 45.626 ng
RT: 16.05 min Scan# 2172
Delta R.T. 0.00 min
Lab File: BG038141.D
Acq: 26 Nov 2018 18:45

Instrument :
BNA_G
ClientSampleId :
VTW-02MSD

Tot Ion	Ratio	Lower	Upper
77	100		
182	26.9	8.0	48.0
105	20.6	1.3	41.3
51	32.4	10.7	50.7

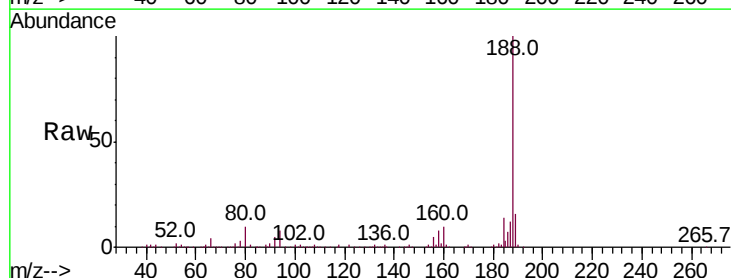


Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 182.00 (181.70 to 182.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 51.00 (50.70 to 51.70): BGC

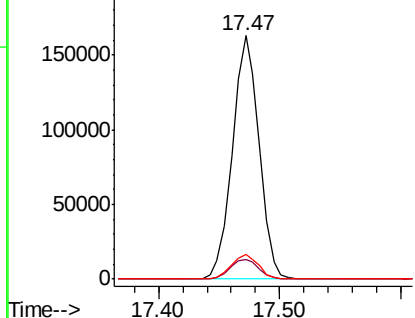
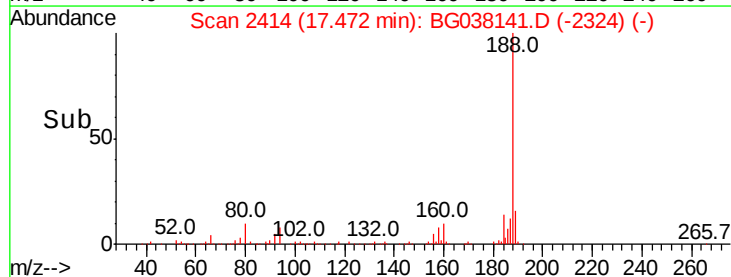


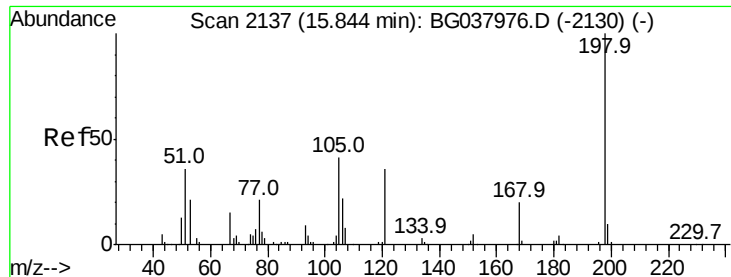
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.47 min Scan# 2414
Delta R.T. 0.00 min
Lab File: BG038141.D
Acq: 26 Nov 2018 18:45

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.2	7.2	10.8
80	9.9	7.7	11.5



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

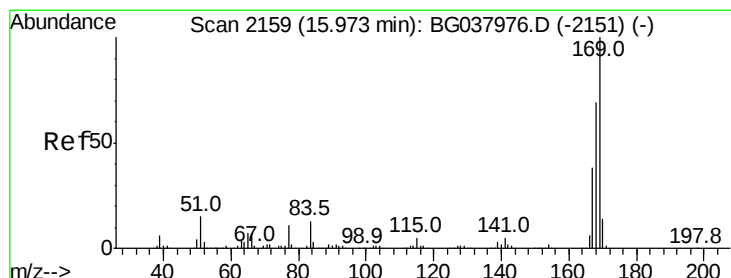
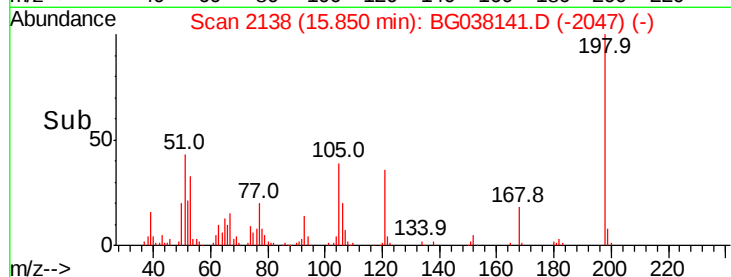
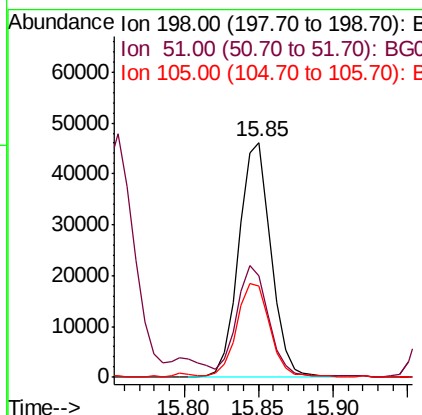
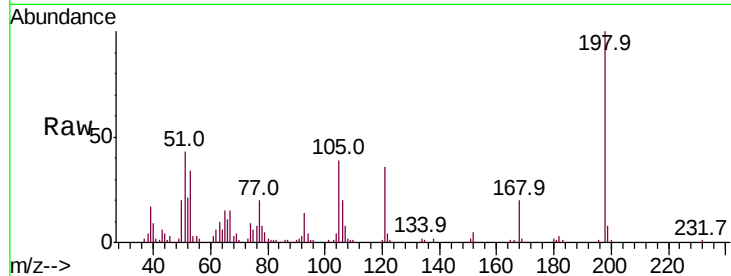




#65
 4,6-Dinitro-2-methylphenol
 Concen: 43.801 ng
 RT: 15.85 min Scan# 2138
 Delta R.T. 0.01 min
 Lab File: BG038141.D
 Acq: 26 Nov 2018 18:45

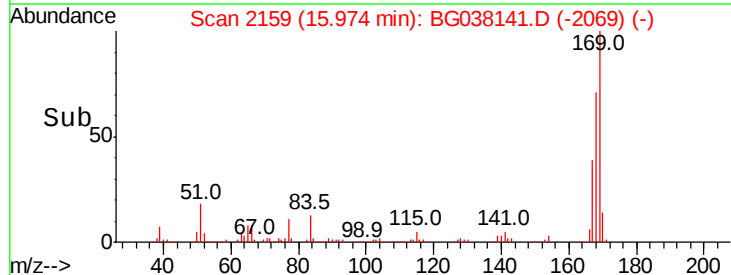
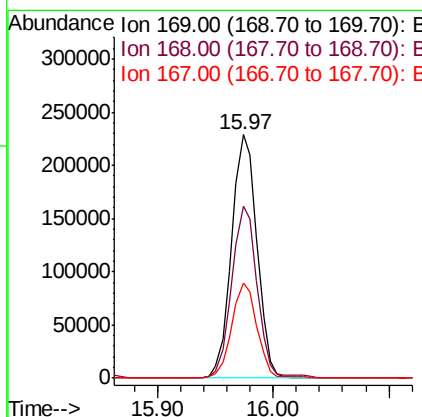
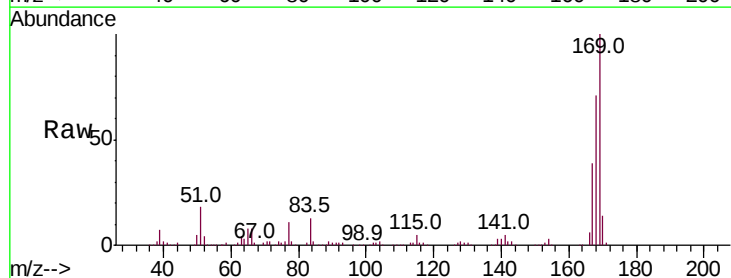
Instrument :
 BNA_G
 ClientSampleId :
 VTW-02MSD

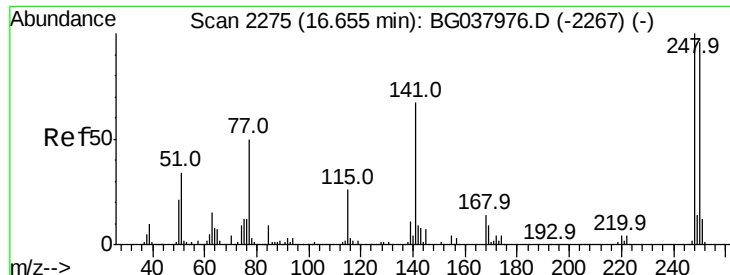
Tot Ion:198 Resp: 69197
 Ion Ratio Lower Upper
 198 100
 51 43.0 22.7 62.7
 105 39.0 19.7 59.7



#66
 n-Nitrosodiphenylamine
 Concen: 46.026 ng
 RT: 15.97 min Scan# 2159
 Delta R.T. 0.00 min
 Lab File: BG038141.D
 Acq: 26 Nov 2018 18:45

Tgt Ion:169 Resp: 347778
 Ion Ratio Lower Upper
 169 100
 168 70.6 55.7 83.5
 167 39.0 31.3 46.9

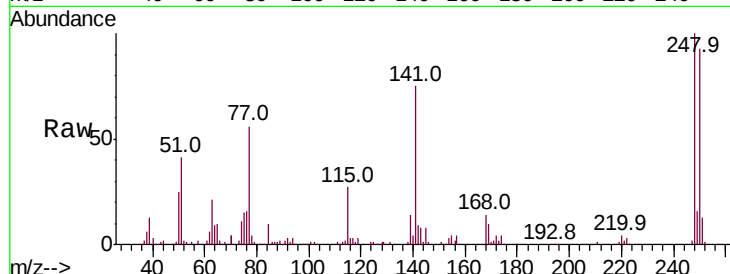




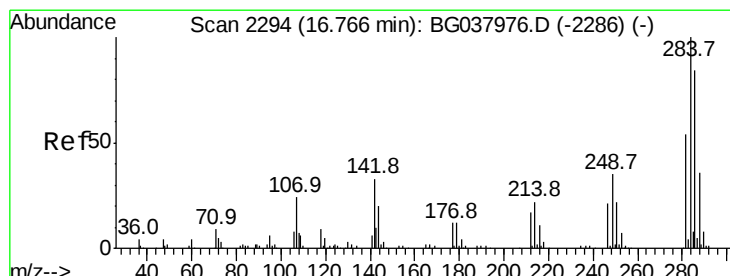
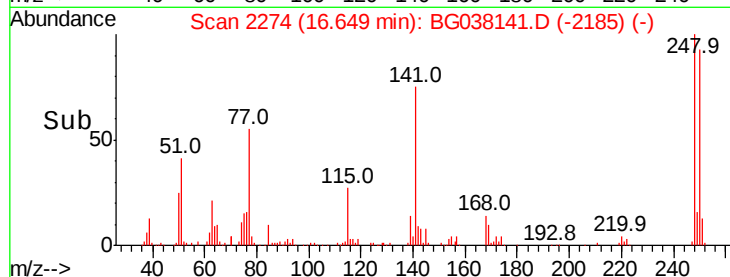
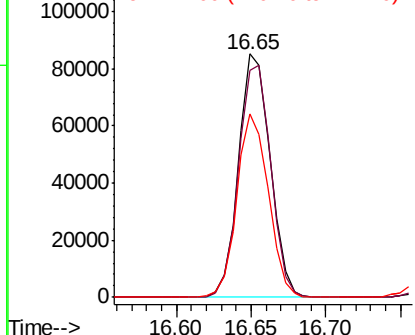
#67
 4-Bromophenyl-phenylether
 Concen: 45.777 ng
 RT: 16.65 min Scan# 2274
 Delta R.T. -0.01 min
 Lab File: BG038141.D
 Acq: 26 Nov 2018 18:45

Instrument :
 BNA_G
 ClientSampleId :
 VTW-02MSD

Tot Ion:248 Resp: 125494
 Ion Ratio Lower Upper
 248 100
 250 93.2 77.0 115.6
 141 75.2 55.5 83.3

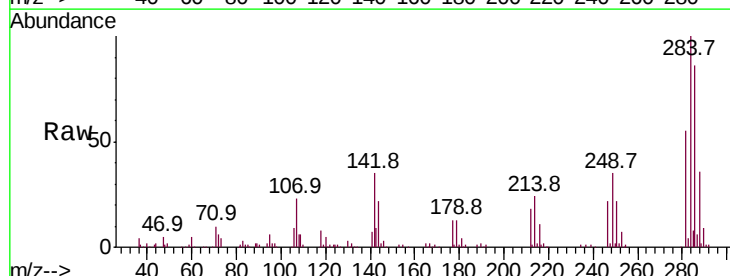


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

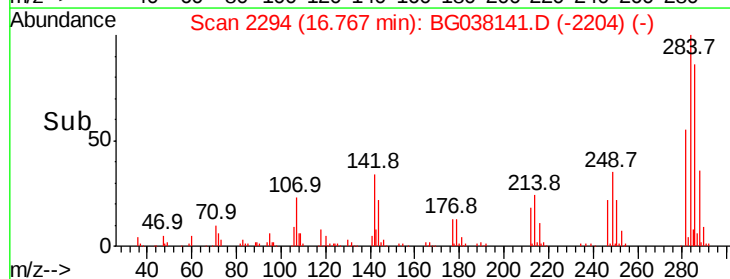
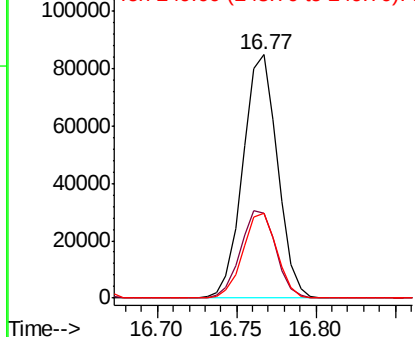


#68
 Hexachlorobenzene
 Concen: 45.338 ng
 RT: 16.77 min Scan# 2294
 Delta R.T. 0.00 min
 Lab File: BG038141.D
 Acq: 26 Nov 2018 18:45

Tgt Ion:284 Resp: 128293
 Ion Ratio Lower Upper
 284 100
 142 35.0 28.1 42.1
 249 37.1 29.8 44.8



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

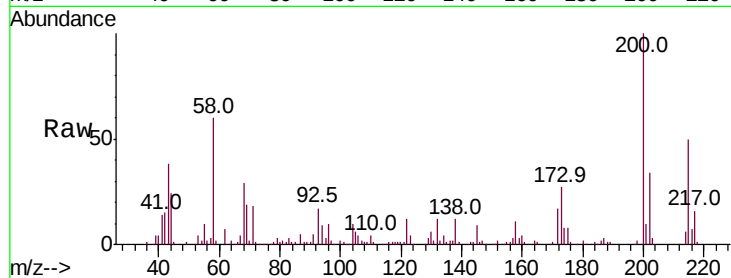




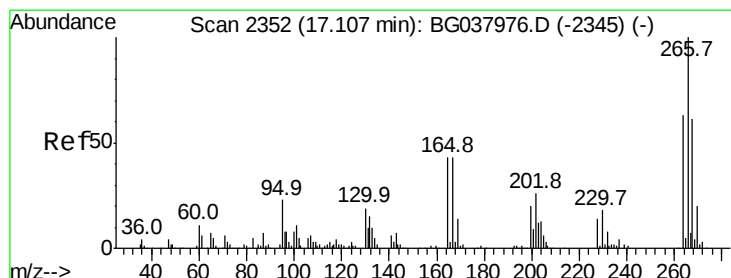
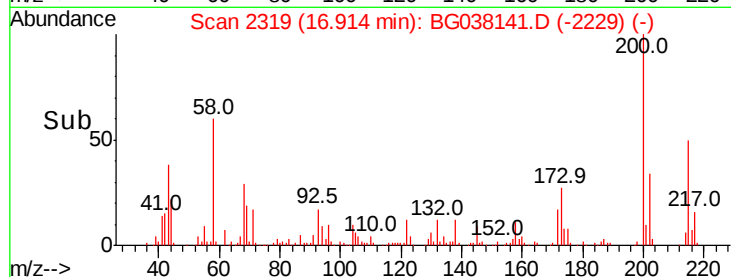
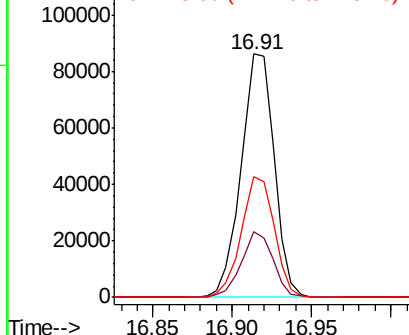
#69
 Atrazine
 Concen: 44.960 ng
 RT: 16.91 min Scan# 2319
 Delta R.T. 0.00 min
 Lab File: BG038141.D
 Acq: 26 Nov 2018 18:45

Instrument :
 BNA_G
 ClientSampleId :
 VTW-02MSD

Tot Ion	Ratio	Lower	Upper
200	100		
173	26.9	6.1	46.1
215	49.7	30.8	70.8

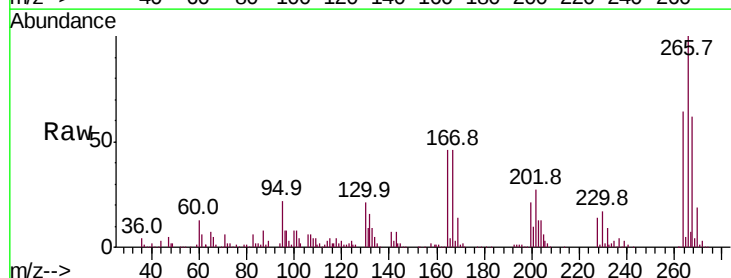


Abundance Ion 200.00 (199.70 to 200.70): E
 Ion 173.00 (172.70 to 173.70): E
 Ion 215.00 (214.70 to 215.70): E

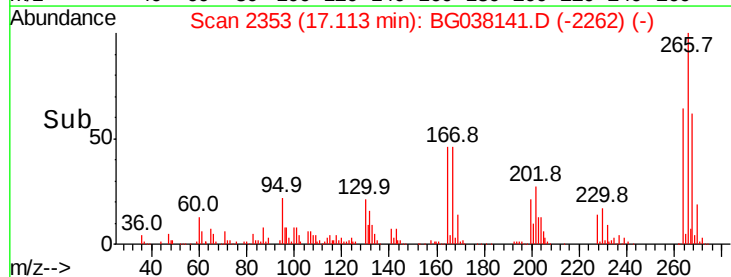
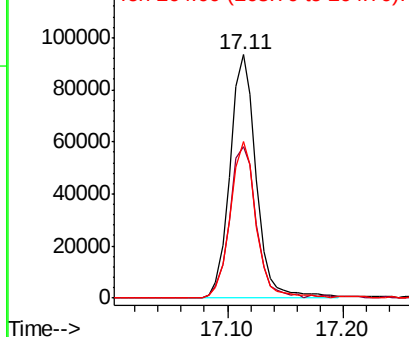


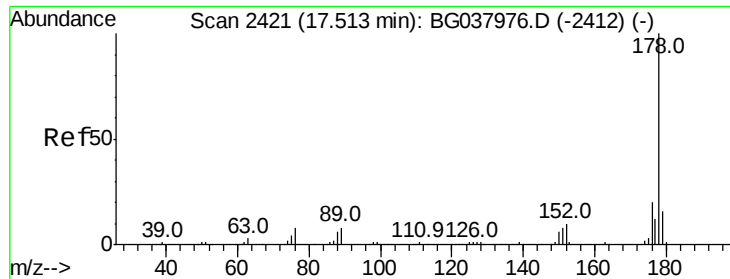
#70
 Pentachlorophenol
 Concen: 76.472 ng
 RT: 17.11 min Scan# 2353
 Delta R.T. 0.01 min
 Lab File: BG038141.D
 Acq: 26 Nov 2018 18:45

Tgt Ion	Ratio	Lower	Upper
266	100		
268	66.5	55.0	82.6
264	69.6	58.9	88.3



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

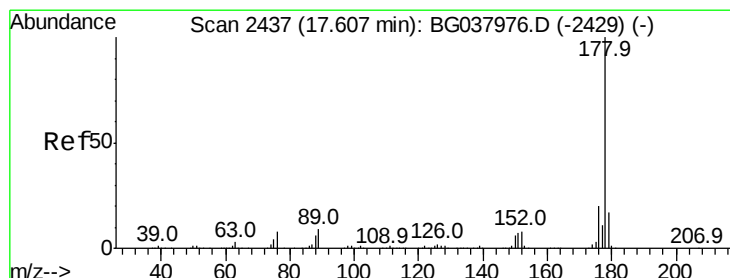
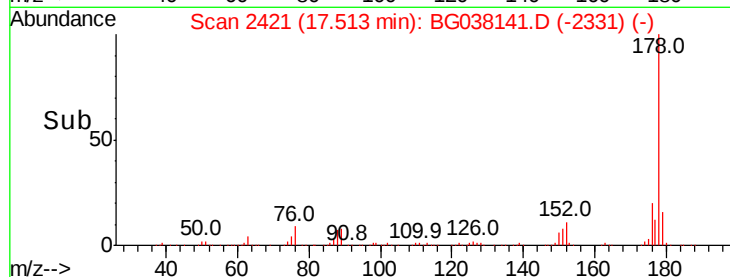
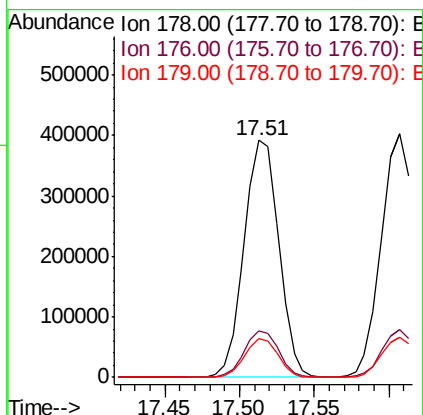
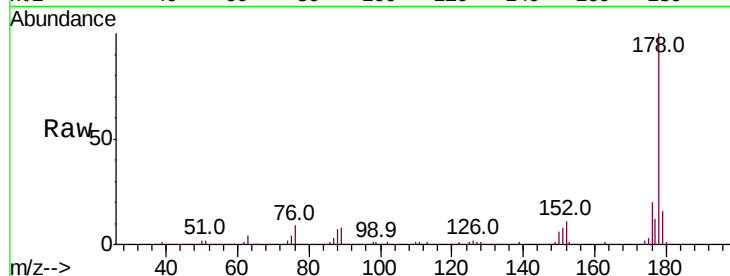




#71
 Phenanthrene
 Concen: 49.318 ng
 RT: 17.51 min Scan# 2421
 Delta R.T. 0.00 min
 Lab File: BG038141.D
 Acq: 26 Nov 2018 18:45

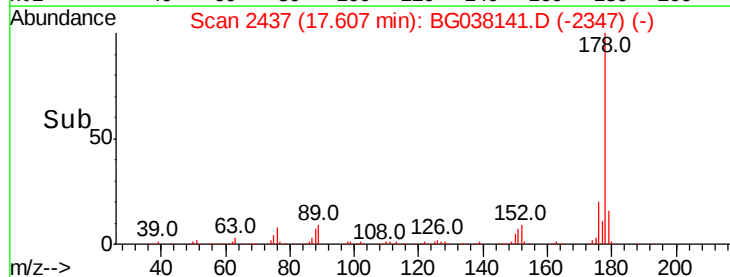
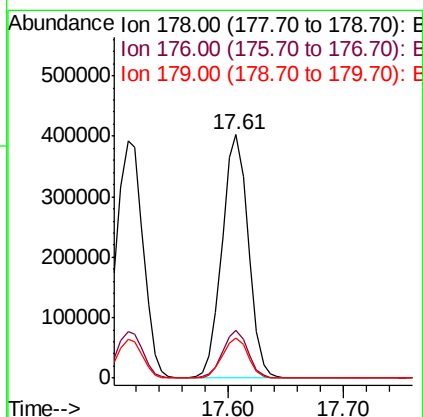
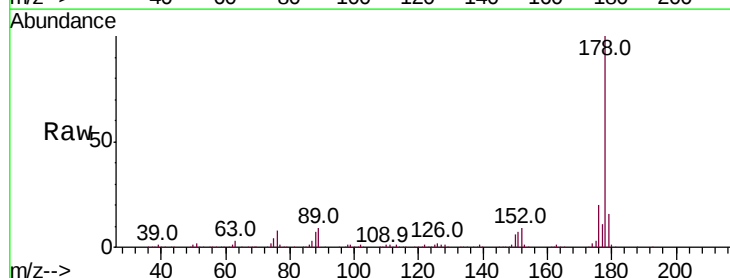
Instrument :
 BNA_G
 ClientSampleId :
 VTW-02MSD

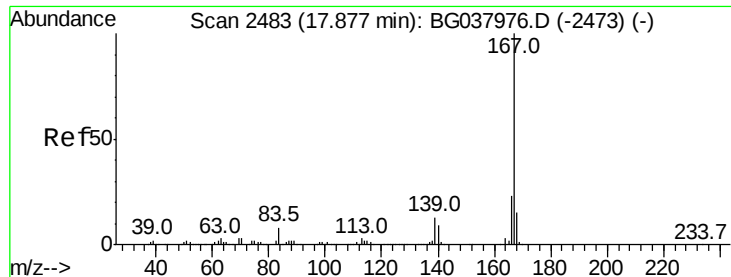
Tot Ion:178 Resp: 630666
 Ion Ratio Lower Upper
 178 100
 176 19.6 16.1 24.1
 179 16.4 13.0 19.4



#72
 Anthracene
 Concen: 50.207 ng
 RT: 17.61 min Scan# 2437
 Delta R.T. 0.00 min
 Lab File: BG038141.D
 Acq: 26 Nov 2018 18:45

Tgt Ion:178 Resp: 632885
 Ion Ratio Lower Upper
 178 100
 176 19.6 15.0 22.4
 179 16.5 12.8 19.2





#73

Carbazole

Concen: 45.150 ng

RT: 17.88 min Scan# 2483

Delta R.T. 0.00 min

Lab File: BG038141.D

Acq: 26 Nov 2018 18:45

Instrument :

BNA_G

ClientSampleId :

VTW-02MSD

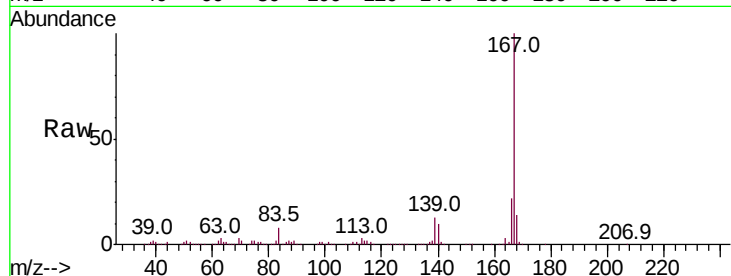
Tot Ion:167 Resp: 571006

Ion Ratio Lower Upper

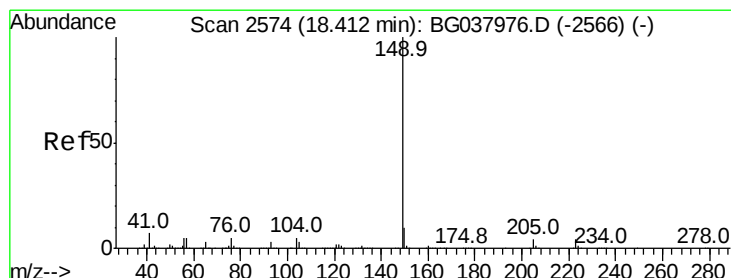
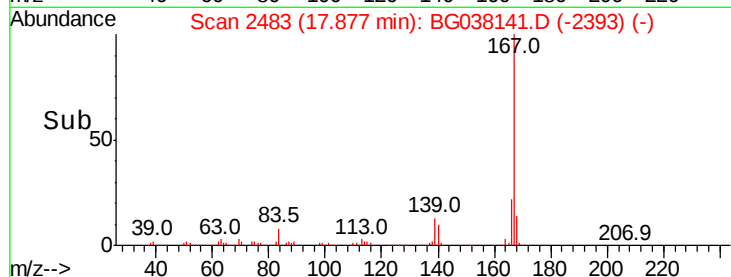
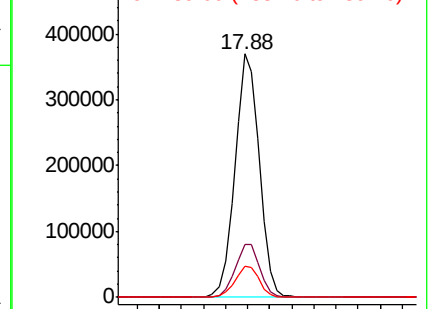
167 100

166 21.7 18.3 27.5

139 12.6 10.5 15.7



Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E



#74

Di-n-butylphthalate

Concen: 49.062 ng

RT: 18.41 min Scan# 2574

Delta R.T. 0.00 min

Lab File: BG038141.D

Acq: 26 Nov 2018 18:45

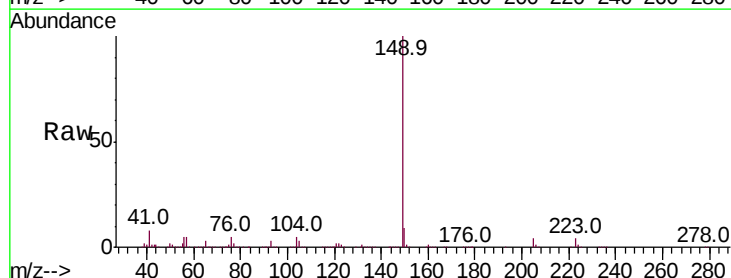
Tgt Ion:149 Resp: 696518

Ion Ratio Lower Upper

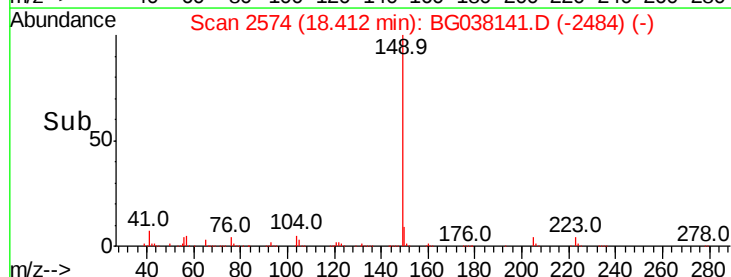
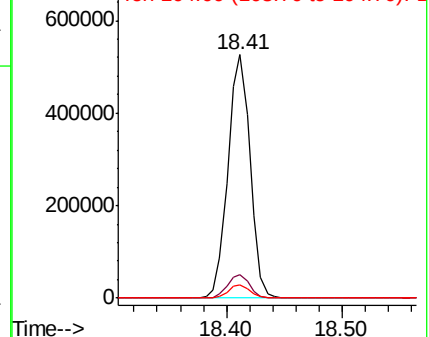
149 100

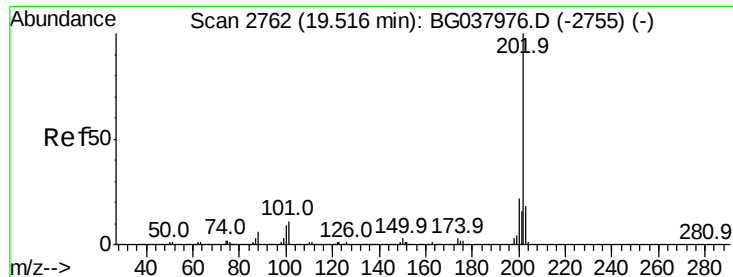
150 9.4 8.2 12.2

104 5.2 4.0 6.0



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 48.942 ng

RT: 19.52 min Scan# 2763

Delta R.T. 0.01 min

Lab File: BG038141.D

Acq: 26 Nov 2018 18:45

Instrument :

BNA_G

ClientSampleId :

VTW-02MSD

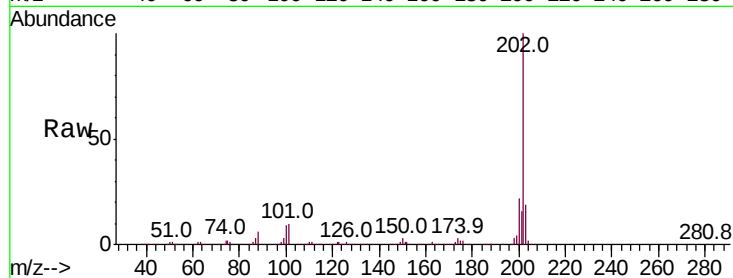
Tot Ion:202 Resp: 714055

Ion Ratio Lower Upper

202 100

101 10.2 0.0 30.7

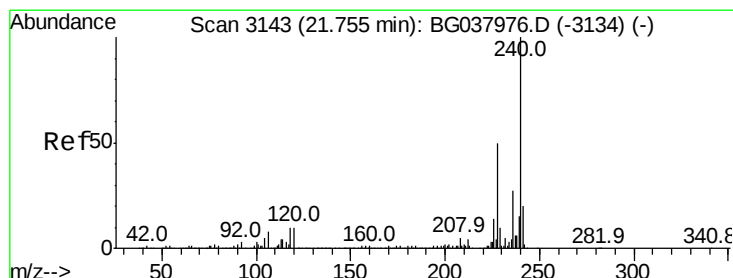
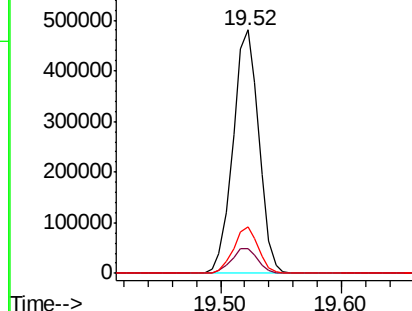
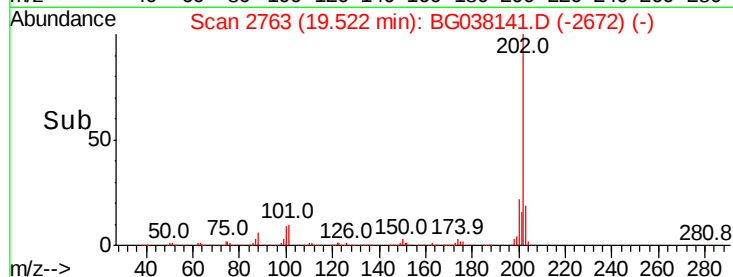
203 19.1 0.0 38.5



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: 21.76 min Scan# 3144

Delta R.T. 0.01 min

Lab File: BG038141.D

Acq: 26 Nov 2018 18:45

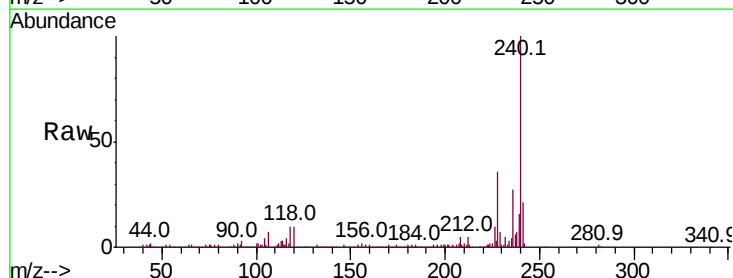
Tgt Ion:240 Resp: 221240

Ion Ratio Lower Upper

240 100

120 10.5 8.1 12.1

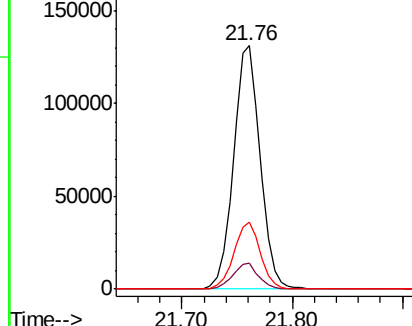
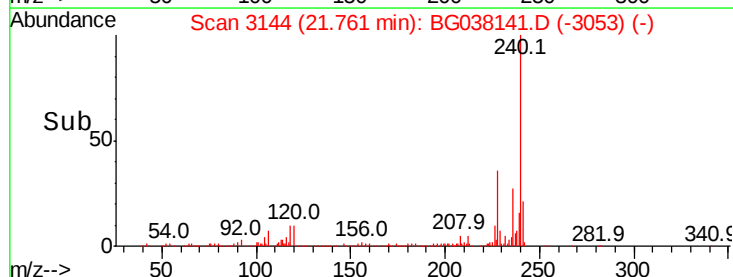
236 27.4 21.4 32.0



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 3.588 ng

RT: 19.70 min Scan# 2794

Delta R.T. 0.00 min

Lab File: BG038141.D

Acq: 26 Nov 2018 18:45

Instrument :

BNA_G

ClientSampleId :

VTW-02MSD

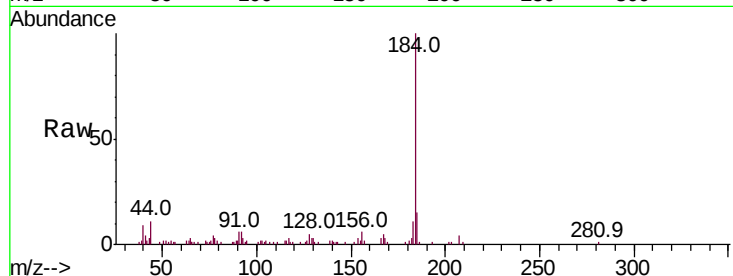
Tot Ion:184 Resp: 27852

Ion Ratio Lower Upper

184 100

185 14.9 12.6 18.8

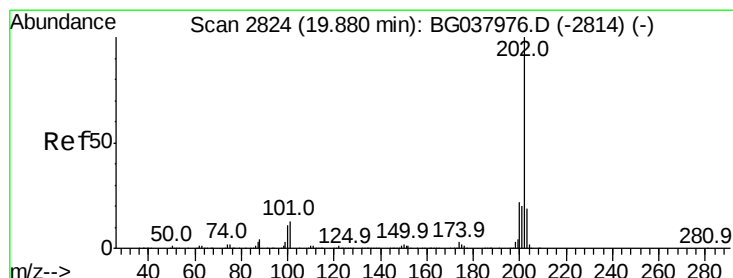
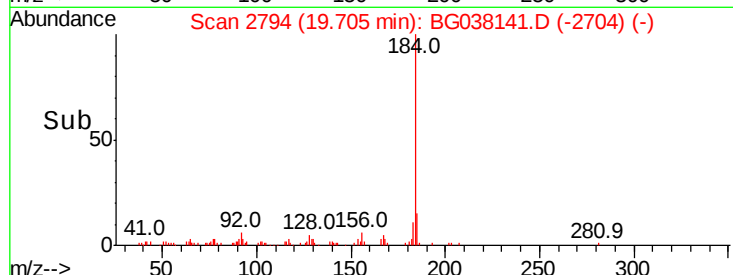
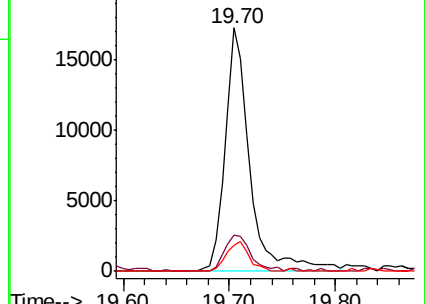
183 10.8 10.2 15.2



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: 49.701 ng

RT: 19.89 min Scan# 2825

Delta R.T. 0.01 min

Lab File: BG038141.D

Acq: 26 Nov 2018 18:45

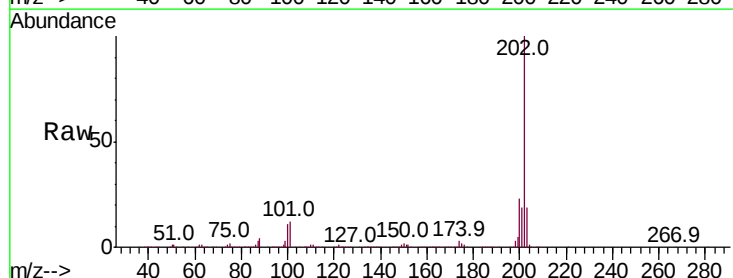
Tgt Ion:202 Resp: 718919

Ion Ratio Lower Upper

202 100

200 22.5 17.8 26.6

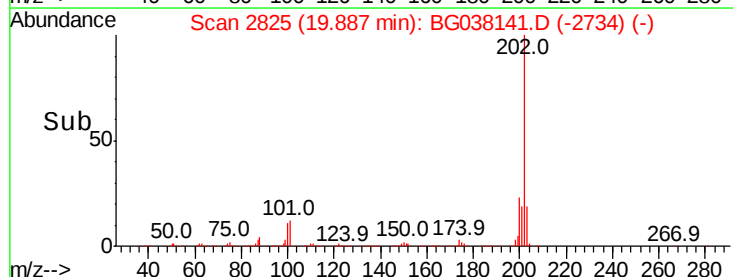
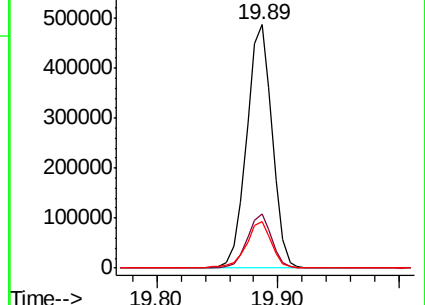
203 19.2 15.2 22.8



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: 92.329 ng

RT: 20.07 min Scan# 2857

Delta R.T. 0.01 min

Lab File: BG038141.D

Acq: 26 Nov 2018 18:45

Instrument :

BNA_G

ClientSampleId :

VTW-02MSD

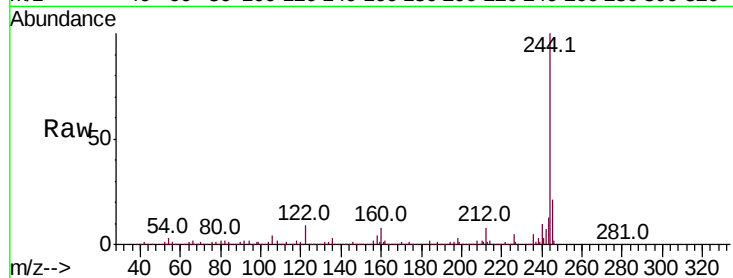
Tot Ion:244 Resp: 868113

Ion Ratio Lower Upper

244 100

212 7.9 6.5 9.7

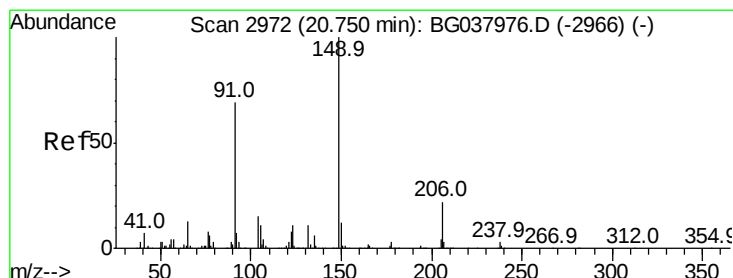
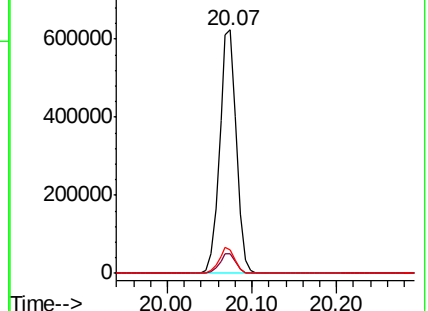
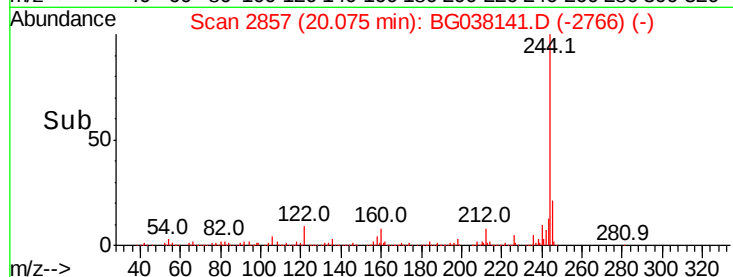
122 9.5 9.0 13.4



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



#80

Butylbenzylphthalate

Concen: 50.281 ng

RT: 20.76 min Scan# 2973

Delta R.T. 0.01 min

Lab File: BG038141.D

Acq: 26 Nov 2018 18:45

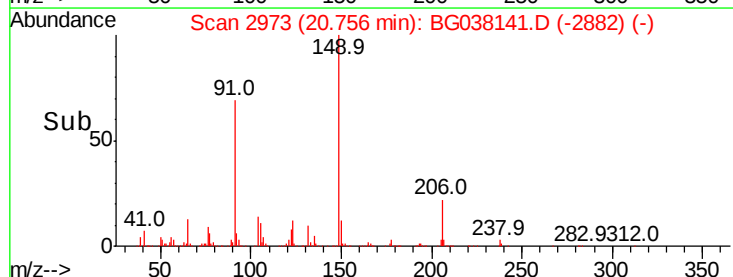
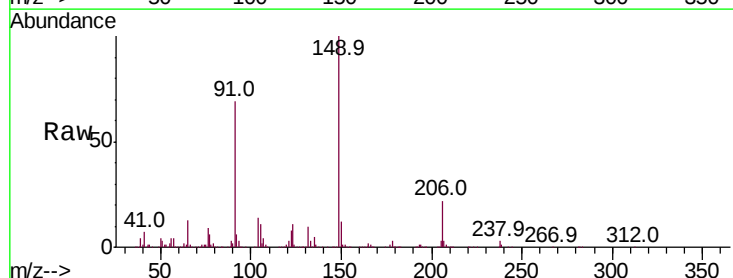
Tgt Ion:149 Resp: 318062

Ion Ratio Lower Upper

149 100

91 69.1 57.0 85.4

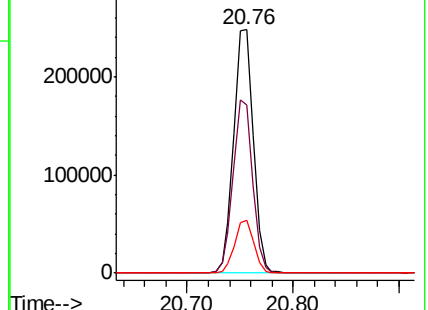
206 22.0 17.8 26.6

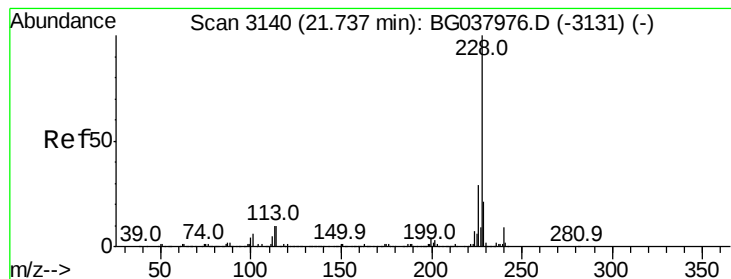


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 49.993 ng

RT: 21.74 min Scan# 3140

Delta R.T. 0.00 min

Lab File: BG038141.D

Acq: 26 Nov 2018 18:45

Instrument :

BNA_G

ClientSampleId :

VTW-02MSD

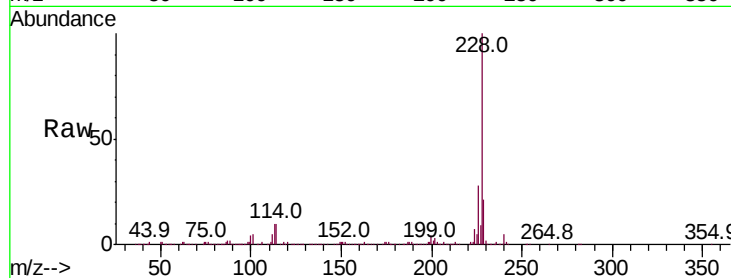
Tot Ion:228 Resp: 668398

Ion	Ratio	Lower	Upper
228	100		
226	28.2	22.6	33.8
229	21.0	16.3	24.5

228 100

226 28.2 22.6 33.8

229 21.0 16.3 24.5

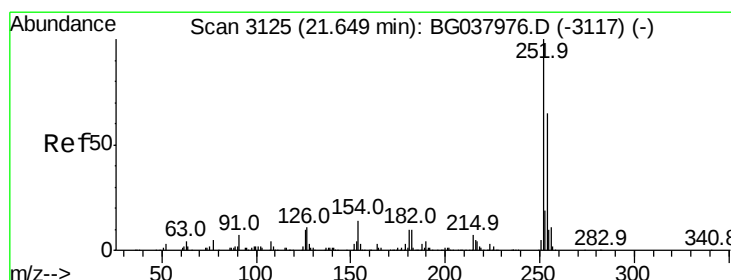
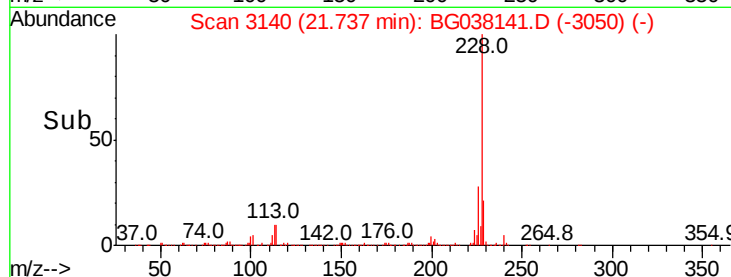
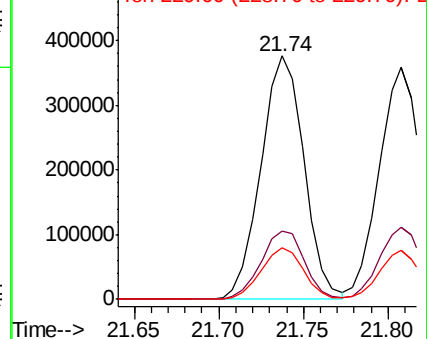


Abundance

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: 19.899 ng

RT: 21.66 min Scan# 3126

Delta R.T. 0.01 min

Lab File: BG038141.D

Acq: 26 Nov 2018 18:45

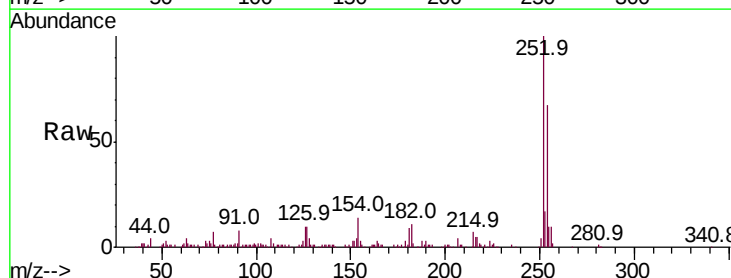
Tgt Ion:252 Resp: 103633

Ion	Ratio	Lower	Upper
252	100		
254	66.9	52.0	78.0
126	9.9	8.2	12.4

252 100

254 66.9 52.0 78.0

126 9.9 8.2 12.4

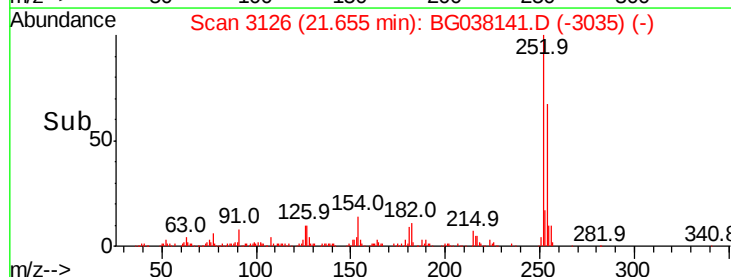
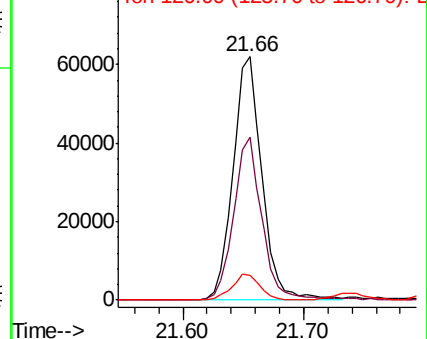


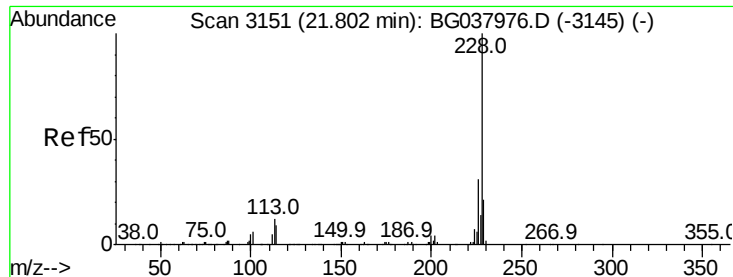
Abundance

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: 49.088 ng

RT: 21.81 min Scan# 3152

Delta R.T. 0.01 min

Lab File: BG038141.D

Acq: 26 Nov 2018 18:45

Instrument :

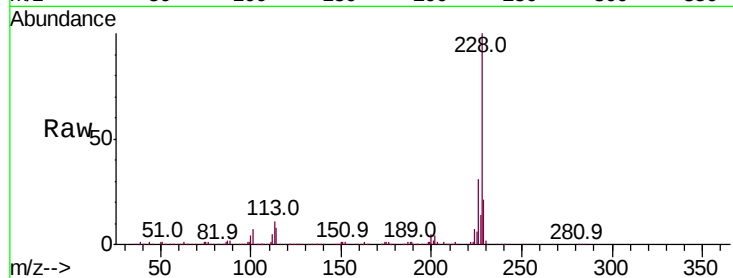
BNA_G

ClientSampleId :

VTW-02MSD

Tot Ion:228 Resp: 627930

Ion	Ratio	Lower	Upper
228	100		
226	31.1	25.7	38.5
229	21.0	16.5	24.7

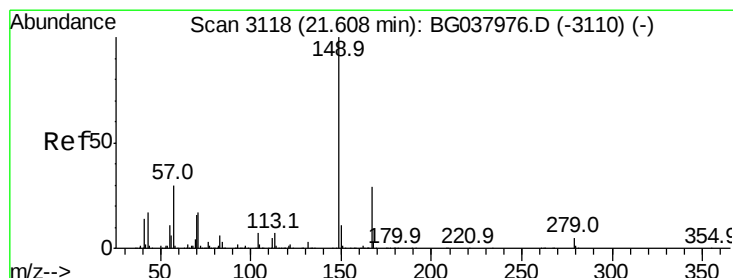
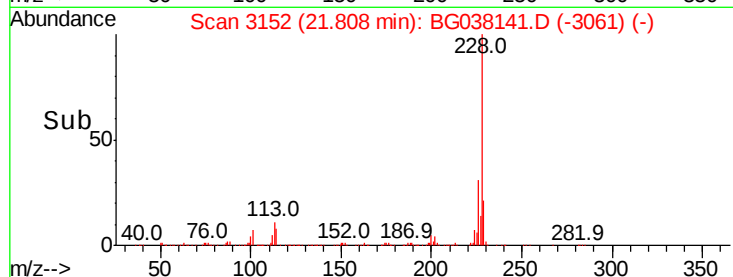
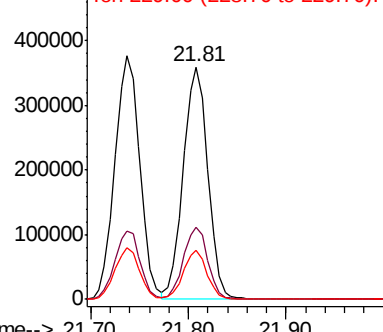


Abundance

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: 49.052 ng

RT: 21.61 min Scan# 3118

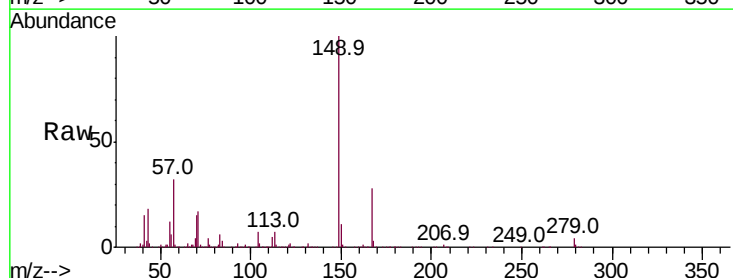
Delta R.T. 0.00 min

Lab File: BG038141.D

Acq: 26 Nov 2018 18:45

Tgt Ion:149 Resp: 442506

Ion	Ratio	Lower	Upper
149	100		
167	28.0	23.0	34.4
279	4.4	3.6	5.4

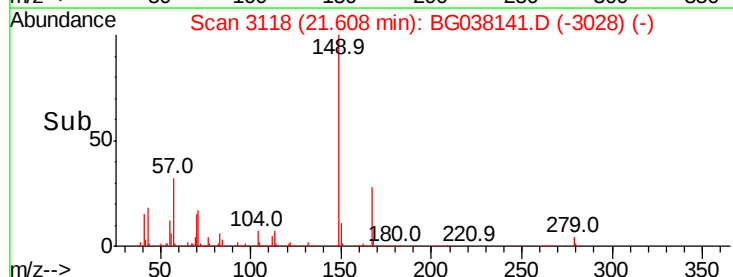
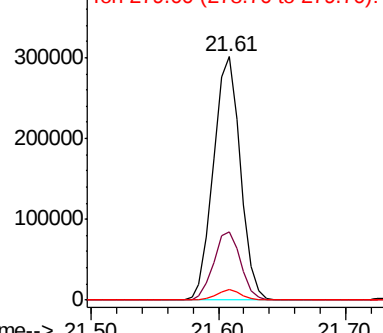


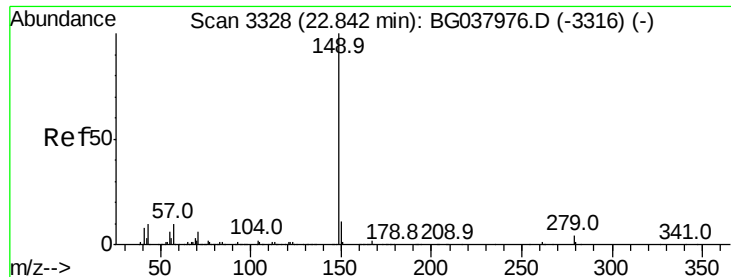
Abundance

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: 51.674 ng

RT: 22.85 min Scan# 3329

Delta R.T. 0.01 min

Lab File: BG038141.D

Acq: 26 Nov 2018 18:45

Instrument :

BNA_G

ClientSampleId :

VTW-02MSD

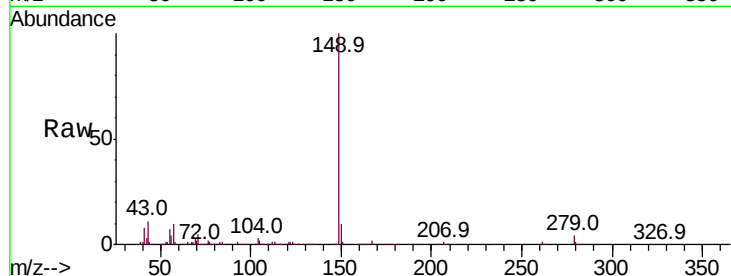
Tot Ion:149 Resp: 754143

Ion Ratio Lower Upper

149 100

167 1.7 1.3 1.9

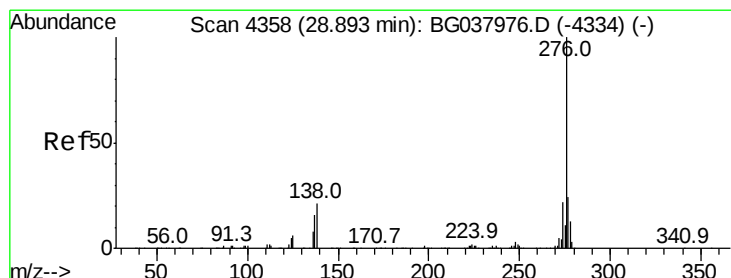
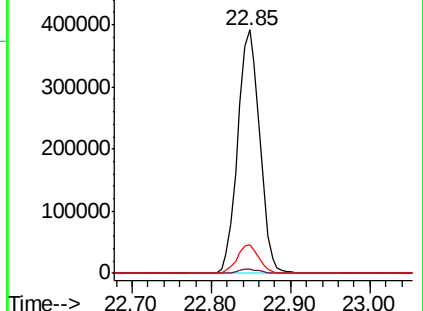
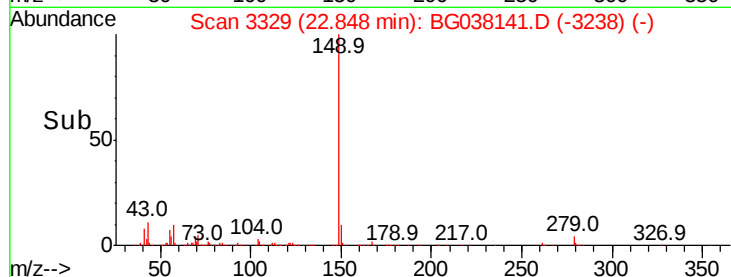
43 11.3 8.7 13.1



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BGC



#86

Indeno(1,2,3-cd)pyrene

Concen: 51.015 ng

RT: 28.90 min Scan# 4359

Delta R.T. 0.01 min

Lab File: BG038141.D

Acq: 26 Nov 2018 18:45

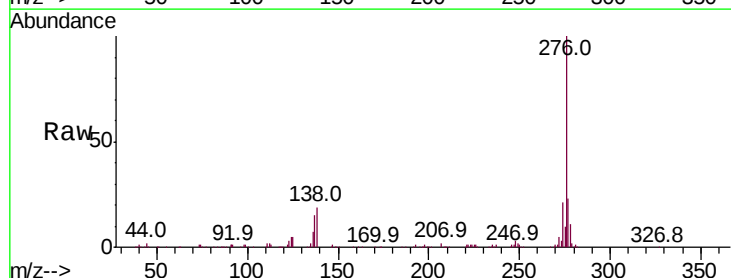
Tgt Ion:276 Resp: 724778

Ion Ratio Lower Upper

276 100

138 17.1 12.0 18.0

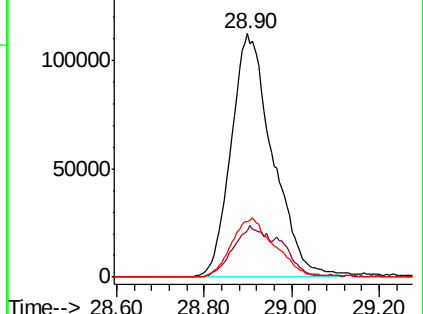
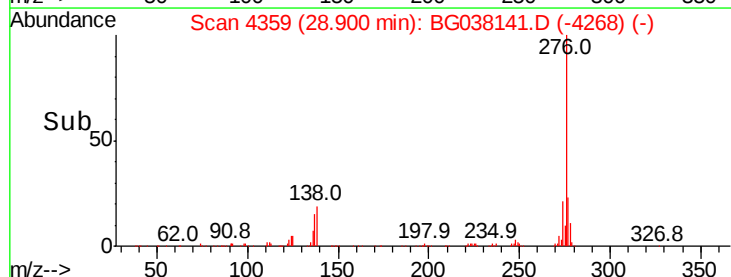
277 25.2 20.6 30.8

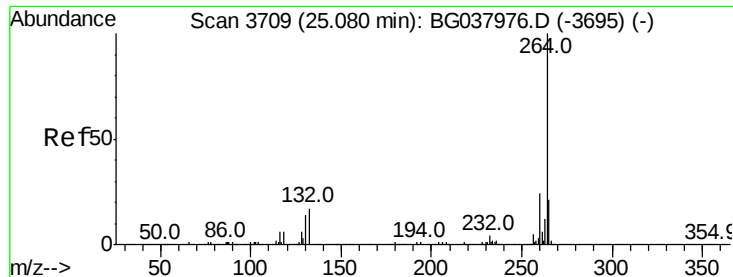


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 25.08 min Scan# 3709

Delta R.T. 0.00 min

Lab File: BG038141.D

Acq: 26 Nov 2018 18:45

Instrument :

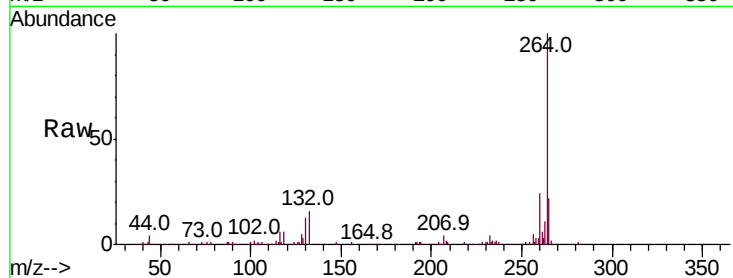
BNA_G

ClientSampleId :

VTW-02MSD

Tot Ion:264 Resp: 232305

Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.2	27.4
265	22.5	17.9	26.9

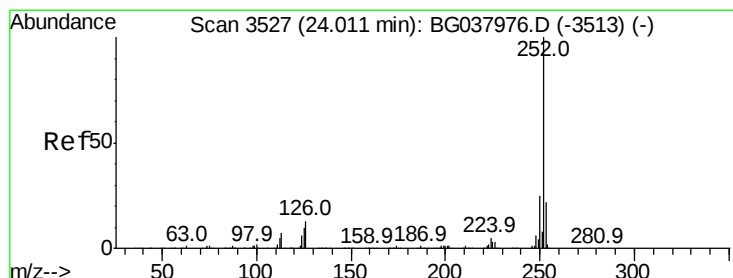
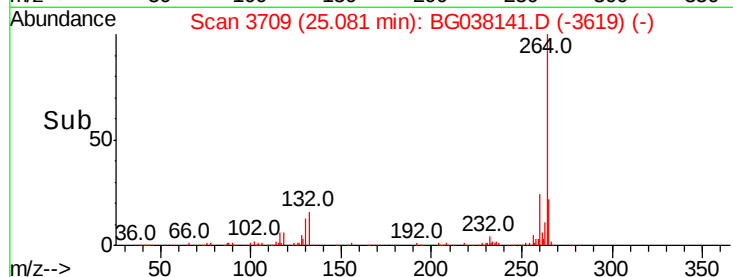
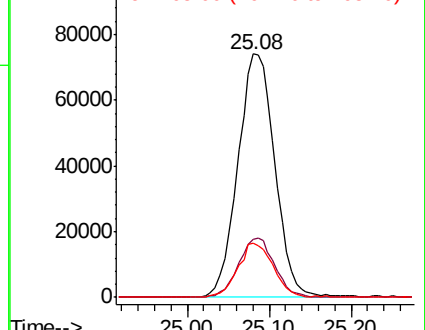


Abundance

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: 50.635 ng

RT: 24.02 min Scan# 3528

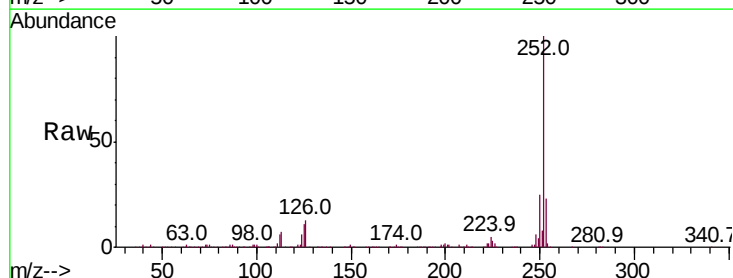
Delta R.T. 0.01 min

Lab File: BG038141.D

Acq: 26 Nov 2018 18:45

Tgt Ion:252 Resp: 647306

Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.2	27.2
125	10.7	7.8	11.6

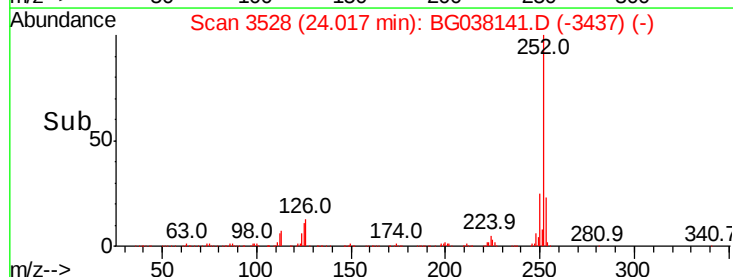
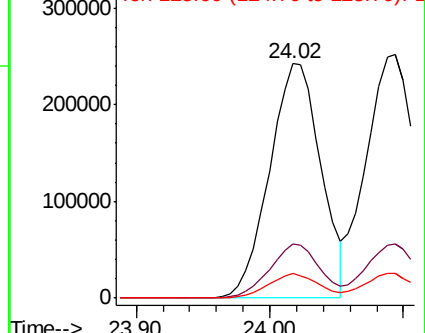


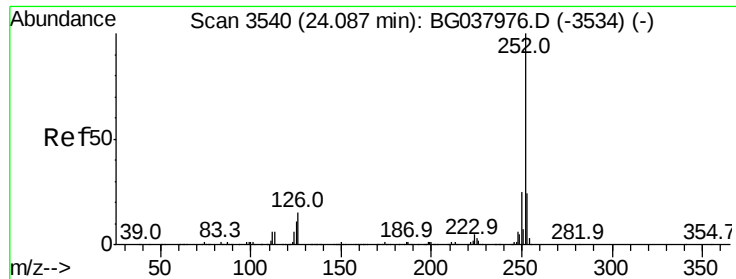
Abundance

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

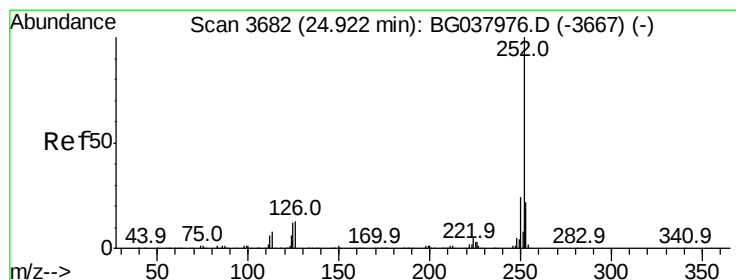
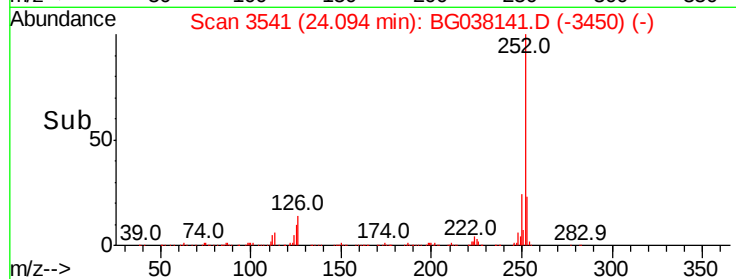
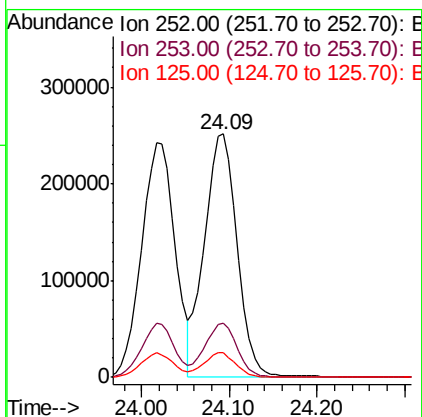
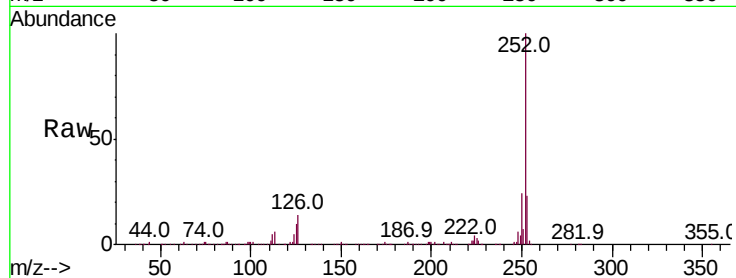




#89
Benzo(k)fluoranthene
Concen: 51.564 ng
RT: 24.09 min Scan# 3541
Delta R.T. 0.01 min
Lab File: BG038141.D
Acq: 26 Nov 2018 18:45

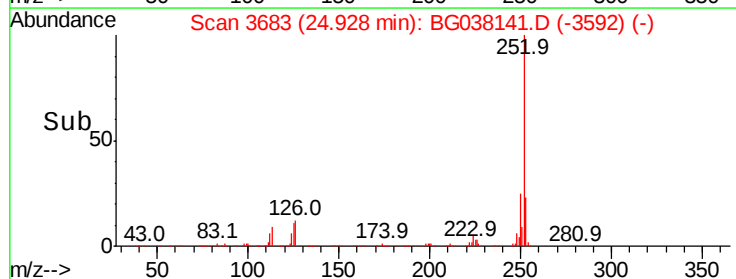
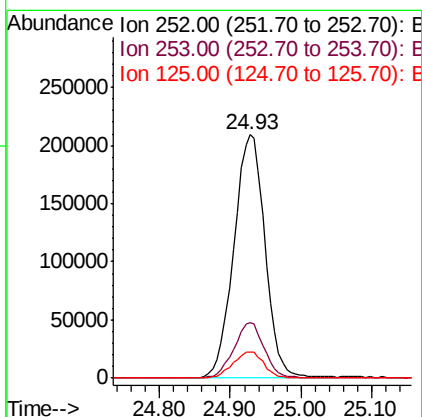
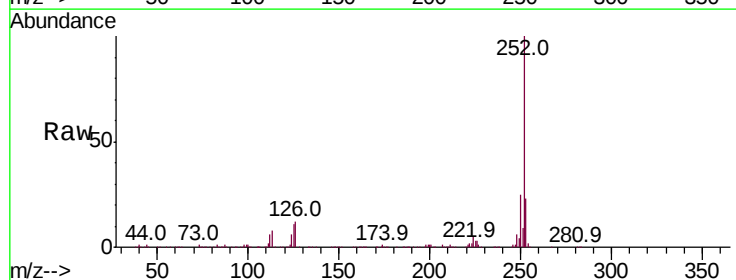
Instrument :
BNA_G
ClientSampleId :
VTW-02MSD

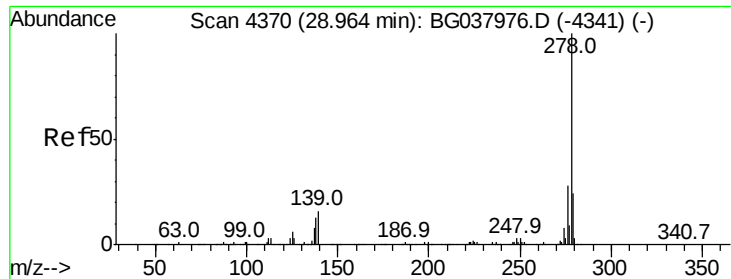
Tot Ion:252 Resp: 650448
Ion Ratio Lower Upper
252 100
253 22.5 17.4 26.2
125 10.2 7.4 11.0



#90
Benzo(a)pyrene
Concen: 52.541 ng
RT: 24.93 min Scan# 3683
Delta R.T. 0.01 min
Lab File: BG038141.D
Acq: 26 Nov 2018 18:45

Tgt Ion:252 Resp: 641905
Ion Ratio Lower Upper
252 100
253 22.6 17.4 26.2
125 10.9 9.0 13.6

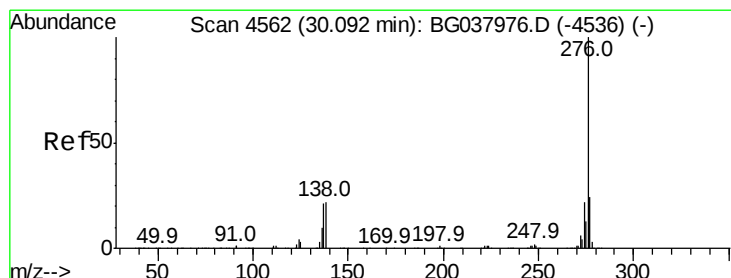
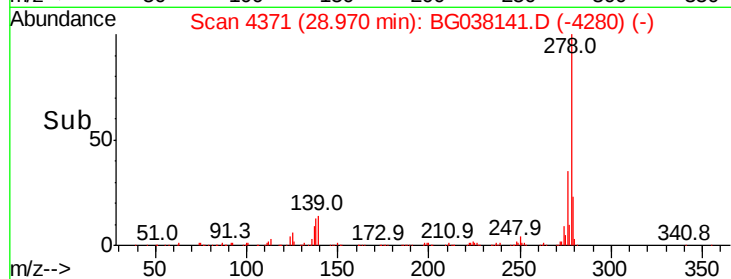
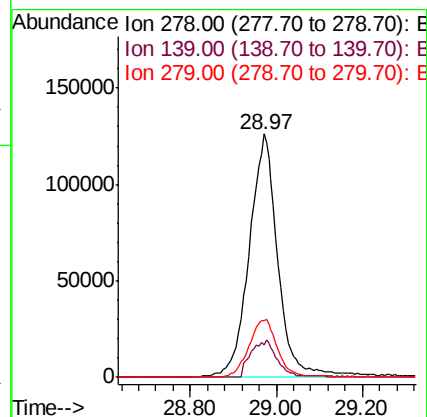
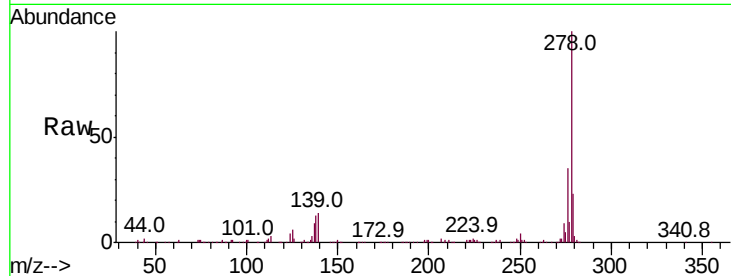




#91
Dibenzo(a,h)anthracene
Concen: 50.256 ng
RT: 28.97 min Scan# 4371
Delta R.T. 0.01 min
Lab File: BG038141.D
Acq: 26 Nov 2018 18:45

Instrument :
BNA_G
ClientSampleId :
VTW-02MSD

Tot Ion:278 Resp: 590772
Ion Ratio Lower Upper
278 100
139 13.6 11.5 17.3
279 23.2 18.6 27.8



#92
Benzo(g,h,i)perylene
Concen: 50.845 ng
RT: 30.11 min Scan# 4565
Delta R.T. 0.02 min
Lab File: BG038141.D
Acq: 26 Nov 2018 18:45

Tgt Ion:276 Resp: 594297
Ion Ratio Lower Upper
276 100
277 23.6 18.9 28.3
138 21.5 17.2 25.8

