

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG022520\
 Data File : BG044593.D
 Acq On : 26 Feb 2020 1:52
 Operator : CG/JU
 Sample : L1603-01MSD
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 HAM-WC-S-SB-010203MSD

Manual Integrations
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 2/27/2020 5:03:14 PM

Quant Time: Feb 26 10:03:36 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG022420.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 24 16:11:23 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.87	152	61224	20.00	ng	0.00
21) Naphthalene-d8	10.68	136	245695	20.00	ng	0.00
39) Acenaphthene-d10	14.52	164	163337	20.00	ng	0.00
64) Phenanthrene-d10	17.26	188	379668	20.00	ng	0.00
76) Chrysene-d12	21.50	240	381005	20.00	ng	0.00
87) Perylene-d12	24.57	264	405880	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.45	112	509392	133.49	ng	0.00
7) Phenol-d6	7.05	99	618577	118.43	ng	0.00
23) Nitrobenzene-d5	9.03	82	434456	91.10	ng	0.00
42) 2,4,6-Tribromophenol	16.01	330	321777	138.94	ng	0.00
45) 2-Fluorobiphenyl	13.14	172	987961	86.62	ng	0.00
79) Terphenyl-d14	19.88	244	1752420	87.07	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.34	88	66978	40.224	ng	# 39
3) Pyridine	3.74	79	154478	33.248	ng	98
4) n-Nitrosodimethylamine	3.64	42	84746	48.024	ng	95
6) Aniline	7.20	93	59035	9.283	ng	96
8) 2-Chlorophenol	7.44	128	210746	50.594	ng	97
9) Benzaldehyde	7.01	77	45025	14.660	ng	97
10) Phenol	7.08	94	219717	43.408	ng	98
11) bis(2-Chloroethyl)ether	7.29	93	195202	45.874	ng	95
12) 1,3-Dichlorobenzene	7.76	146	224732	45.235	ng	98
13) 1,4-Dichlorobenzene	7.91	146	226102	45.284	ng	99
14) 1,2-Dichlorobenzene	8.23	146	212664	44.788	ng	97
15) Benzyl Alcohol	8.11	79	171414	48.661	ng	98
16) 2,2'-oxybis(1-Chloropropan	8.41	45	253172	44.271	ng	99
17) 2-Methylphenol	8.33	107	171856	47.527	ng	97
18) Hexachloroethane	8.95	117	80902	44.337	ng	95
19) n-Nitroso-di-n-propylamine	8.68	70	153207	45.633	ng	98
20) 3+4-Methylphenols	8.65	107	232910	47.047	ng	99
22) Acetophenone	8.70	105	292210	47.371	ng	99
24) Nitrobenzene	9.07	77	217476	47.069	ng	100
25) Isophorone	9.60	82	423628	47.483	ng	99
26) 2-Nitrophenol	9.79	139	120003	47.891	ng	98
27) 2,4-Dimethylphenol	9.85	122	191868	54.535	ng	99
28) bis(2-Chloroethoxy)methane	10.08	93	265659	45.028	ng	98
29) 2,4-Dichlorophenol	10.33	162	207702	49.379	ng	98
30) 1,2,4-Trichlorobenzene	10.54	180	215036	44.204	ng	99
31) Naphthalene	10.72	128	623394	46.499	ng	99
32) Benzoic acid	10.02	122	67044	49.849	ng	98
33) 4-Chloroaniline	10.85	127	11742	1.989	ng	# 94
34) Hexachlorobutadiene	11.02	225	131722	43.117	ng	98
35) Caprolactam	11.61	113	59966m	39.823	ng	
36) 4-Chloro-3-methylphenol	11.97	107	220427	50.910	ng	97
37) 2-Methylnaphthalene	12.34	142	463002	46.729	ng	98
38) 1-Methylnaphthalene	12.56	142	440990	46.840	ng	98
40) 1,2,4,5-Tetrachlorobenzene	12.71	216	236719	43.049	ng	99

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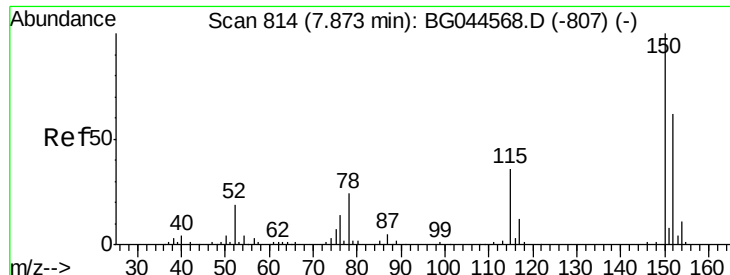
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.69	237	245453	92.187	nq	99
43) 2,4,6-Trichlorophenol	12.95	196	169445	47.459	nq	100
44) 2,4,5-Trichlorophenol	13.03	196	185068	50.459	nq	98
46) 1,1'-Biphenyl	13.35	154	595440	44.052	nq	98
47) 2-Chloronaphthalene	13.39	162	462552	43.640	nq	99
48) 2-Nitroaniline	13.59	65	134779	45.808	nq	98
49) Acenaphthylene	14.24	152	738693	47.213	nq	100
50) Dimethylphthalate	13.98	163	616837	46.789	nq	99
51) 2,6-Dinitrotoluene	14.09	165	141196	48.562	nq	97
52) Acenaphthene	14.58	154	459041	46.026	nq	99
53) 3-Nitroaniline	14.42	138	20400	6.506	nq	98
54) 2,4-Dinitrophenol	14.63	184	161008	91.428	nq	97
55) Dibenzofuran	14.92	168	721241	47.171	nq	98
56) 4-Nitrophenol	14.75	139	232501	107.790	nq	97
57) 2,4-Dinitrotoluene	14.88	165	196976	48.187	nq	99
58) Fluorene	15.56	166	580715	47.901	nq	99
59) 2,3,4,6-Tetrachlorophenol	15.15	232	164724	48.771	nq	96
60) Diethylphthalate	15.34	149	621661	47.591	nq	100
61) 4-Chlorophenyl-phenylether	15.56	204	304391	46.178	nq	99
62) 4-Nitroaniline	15.59	138	122428	38.992	nq	99
63) Azobenzene	15.85	77	540156	48.589	nq	99
65) 4,6-Dinitro-2-methylphenol	15.65	198	121893	51.850	nq	98
66) n-Nitrosodiphenylamine	15.78	169	543495	45.892	nq	100
67) 4-Bromophenyl-phenylether	16.45	248	207596	44.050	nq	98
68) Hexachlorobenzene	16.57	284	227604	42.716	nq	98
69) Atrazine	16.73	200	200565	45.810	nq	99
70) Pentachlorophenol	16.92	266	259098	97.613	nq	98
71) Phenanthrene	17.30	178	967253	46.016	nq	99
72) Anthracene	17.39	178	978987	47.261	nq	98
73) Carbazole	17.66	167	905167	48.006	nq	99
74) Di-n-butylphthalate	18.23	149	1112793	47.098	nq	98
75) Fluoranthene	19.31	202	1185303	47.635	nq	99
77) Benzidine	19.51	184	99959	7.659	nq	99
78) Pyrene	19.68	202	1201542	43.444	nq	98
80) Butylbenzylphthalate	20.57	149	529837	43.796	nq	98
81) Benzo(a)anthracene	21.49	228	1170330	43.704	nq	99
82) 3,3'-Dichlorobenzidine	21.40	252	201316	19.030	nq	99
83) Chrysene	21.55	228	1130260	43.655	nq	98
84) Bis(2-ethylhexyl)phthalate	21.40	149	743298	44.590	nq	98
85) Di-n-octyl phthalate	22.56	149	1300699	44.350	nq	99
86) Indeno(1,2,3-cd)pyrene	28.06	276	1457783	43.873	nq	99
88) Benzo(b)fluoranthene	23.60	252	1235623	46.302	nq	99
89) Benzo(k)fluoranthene	23.67	252	1248442	48.216	nq	100
90) Benzo(a)pyrene	24.43	252	1146574	45.730	nq	99
91) Dibenzo(a,h)anthracene	28.11	278	1205395	48.611	nq	98
92) Benzo(g,h,i)perylene	29.13	276	1218791	49.058	nq	99

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



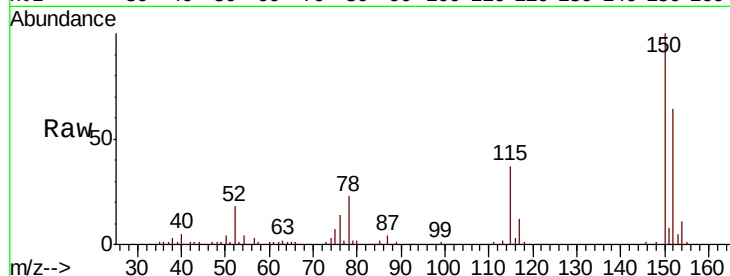
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.87 min Scan# 814
 Delta R.T. 0.00 min
 Lab File: BG044593.D
 Acq: 26 Feb 2020 1:52

Instrument :
 BNA_G
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 HAM-WC-S-SB-010203MSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.8	128.9	193.3
115	58.1	47.0	70.4

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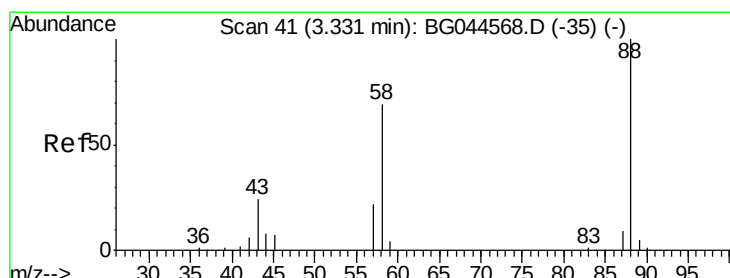
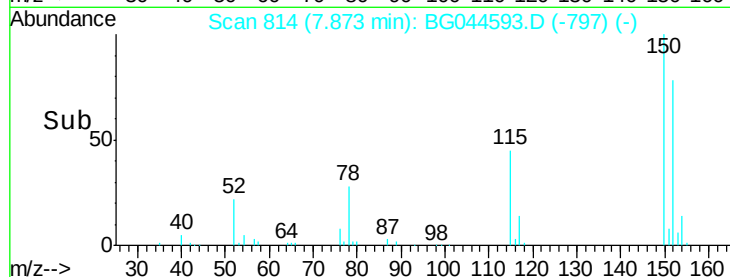
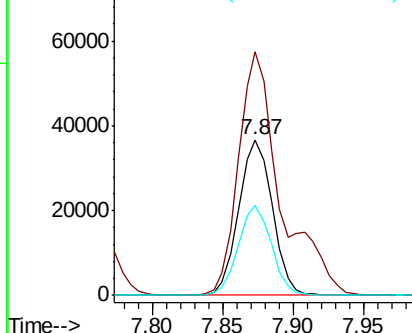


Abundance

Ion 152.00 (151.70 to 152.70): E

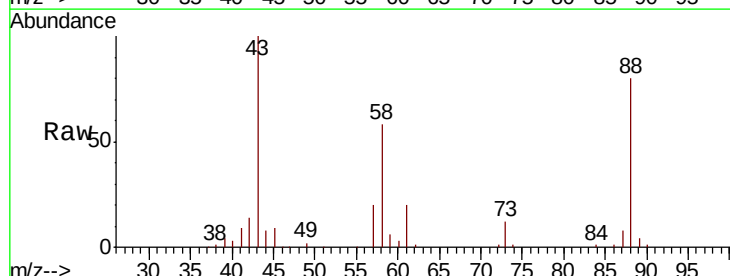
Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2
 1,4-Dioxane
 Concen: 40.224 ng
 RT: 3.34 min Scan# 42
 Delta R.T. 0.01 min
 Lab File: BG044593.D
 Acq: 26 Feb 2020 1:52

Tgt Ion	Ratio	Lower	Upper
88	100		
58	70.8	55.8	83.8
43	138.9	20.6	31.0#

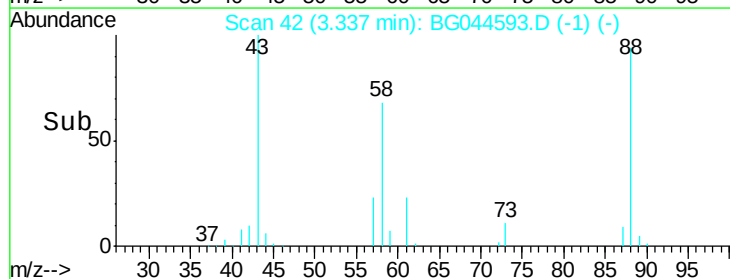
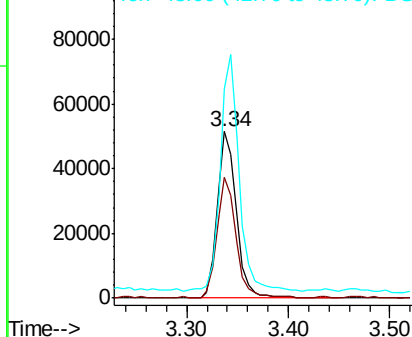


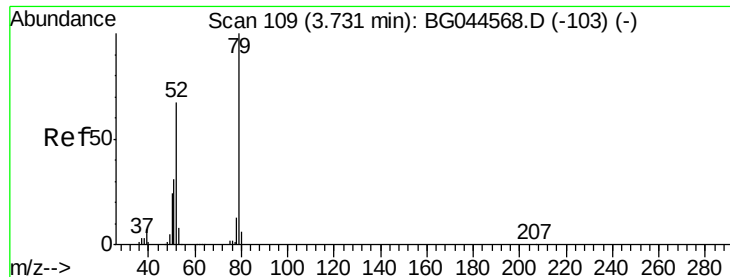
Abundance

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: 33.248 ng

RT: 3.74 min Scan# 111

Delta R.T. 0.01 min

Lab File: BG044593.D

Acq: 26 Feb 2020 1:52

Instrument :

BNA_G

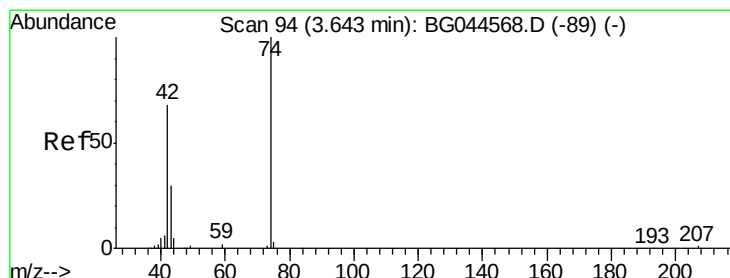
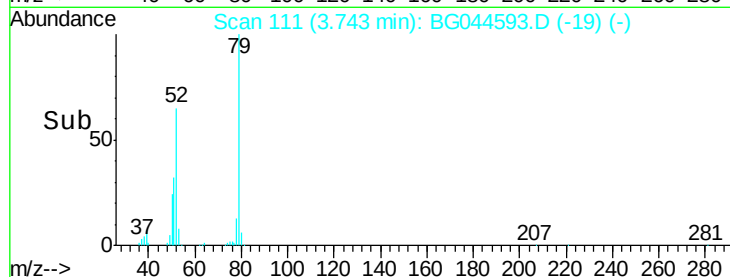
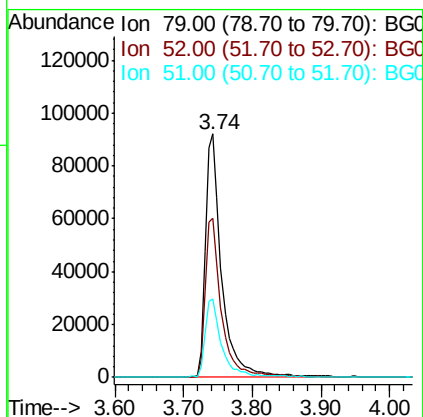
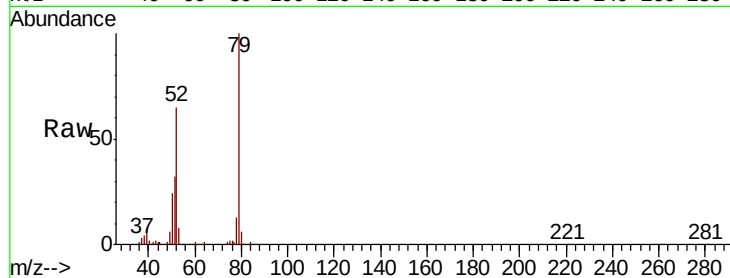
ClientSampleId :

HAM-WC-S-SB-010203MSD

Tot Ion:	79	Resp:	154478
Ion Ratio	Lower	Upper	
79	100		
52	65.4	53.7	80.5
51	32.2	25.4	38.0

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#4

n-Nitrosodimethylamine

Concen: 48.024 ng

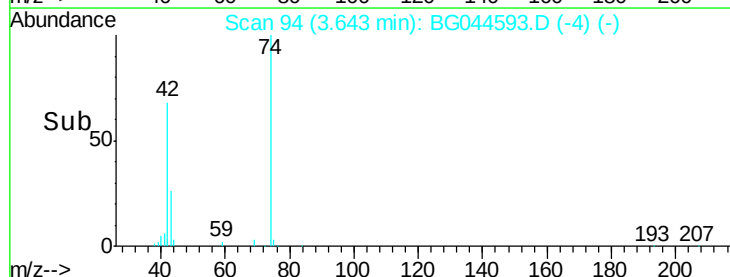
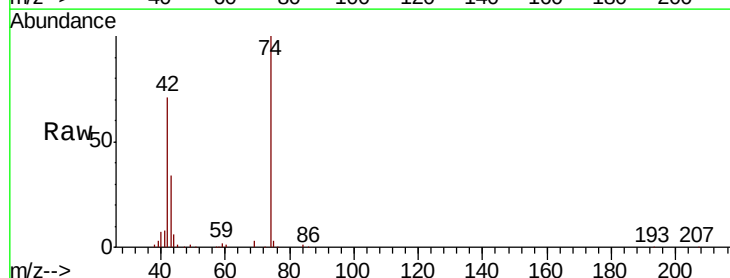
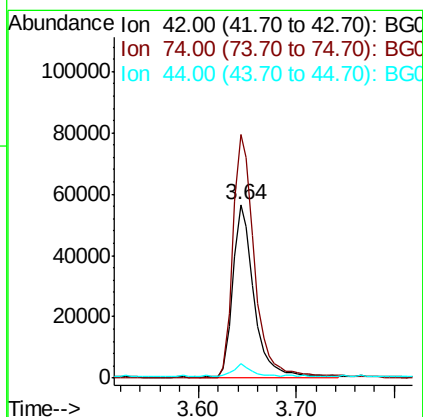
RT: 3.64 min Scan# 94

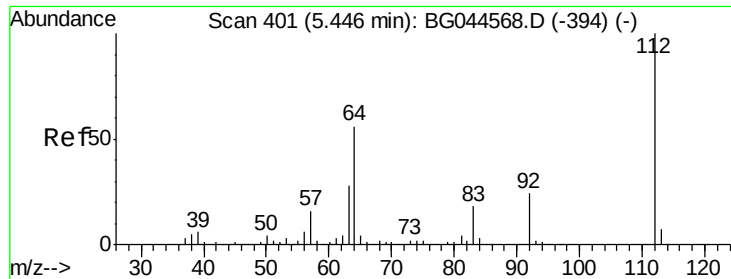
Delta R.T. 0.00 min

Lab File: BG044593.D

Acq: 26 Feb 2020 1:52

Tgt Ion:	42	Resp:	84746
Ion Ratio	Lower	Upper	
42	100		
74	140.6	117.6	176.4
44	8.4	6.3	9.5





#5

2-Fluorophenol

Concen: 133.494 ng

RT: 5.45 min Scan# 402

Delta R.T. 0.01 min

Lab File: BG044593.D

Acq: 26 Feb 2020 1:52

Instrument :

BNA_G

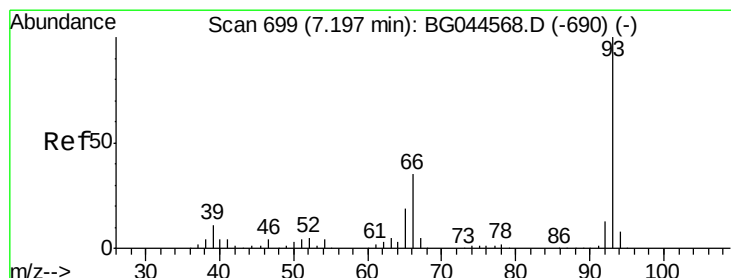
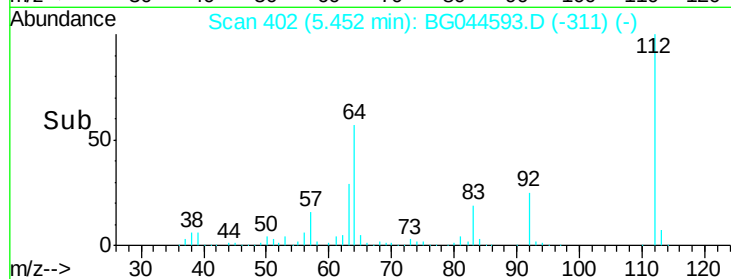
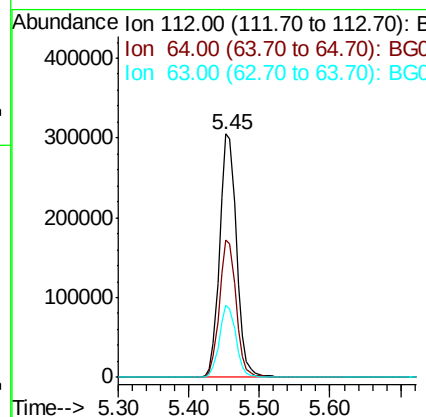
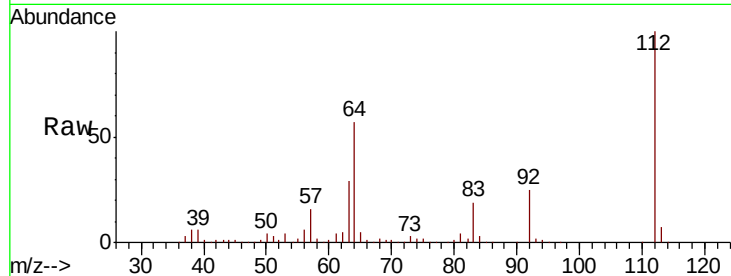
ClientSampleId :

HAM-WC-S-SB-010203MSD

Tot Ion:	112	Resp:	509392
Ion Ratio	Lower	Upper	
112	100		
64	56.6	44.8	67.2
63	29.5	22.3	33.5

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#6

Aniline

Concen: 9.283 ng

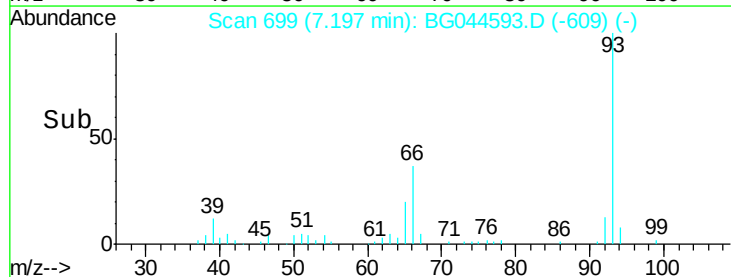
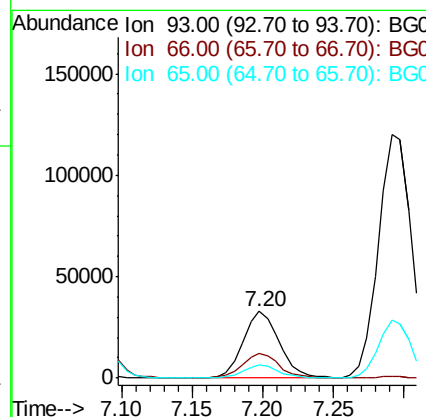
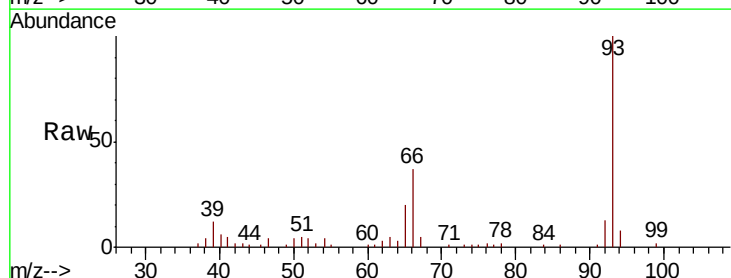
RT: 7.20 min Scan# 699

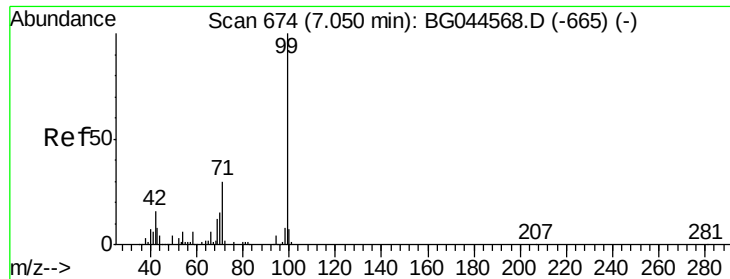
Delta R.T. 0.00 min

Lab File: BG044593.D

Acq: 26 Feb 2020 1:52

Tgt Ion:	93	Resp:	59035
Ion Ratio	Lower	Upper	
93	100		
66	37.4	27.8	41.8
65	19.5	14.9	22.3





#7

Phenol-d6

Concen: 118.430 ng

RT: 7.05 min Scan# 674

Delta R.T. 0.00 min

Lab File: BG044593.D

Acq: 26 Feb 2020 1:52

Instrument :

BNA_G

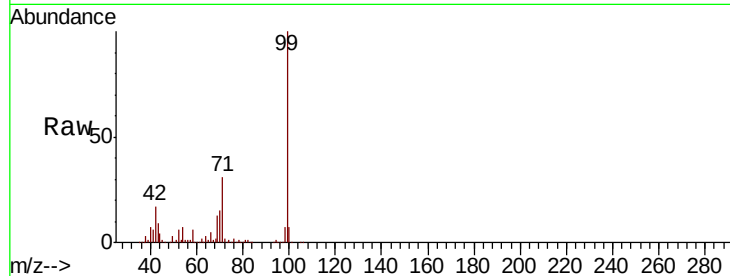
ClientSampleId :

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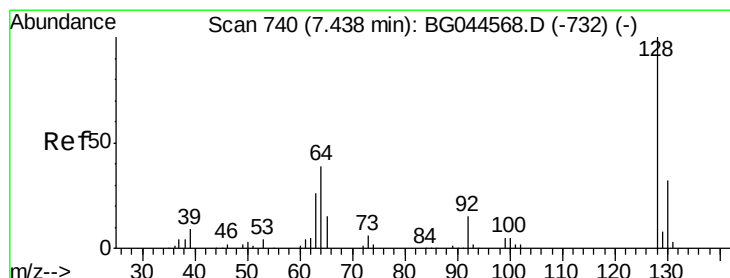
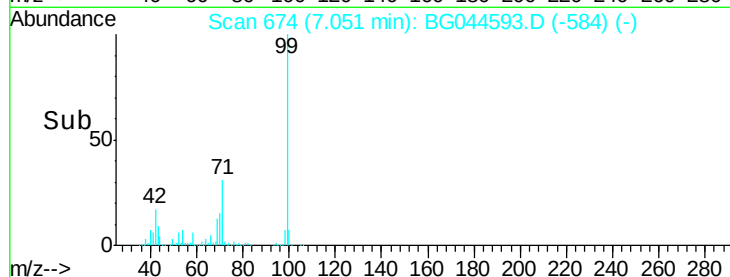
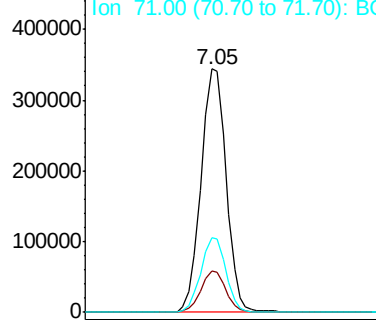
Tot Ion:	99	Resp:	618577
Ion Ratio	Lower	Upper	
99	100		
42	16.8	12.8	19.2
71	30.8	24.4	36.6

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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: 50.594 ng

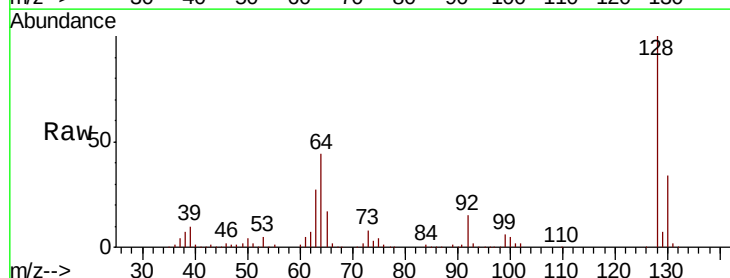
RT: 7.44 min Scan# 741

Delta R.T. 0.01 min

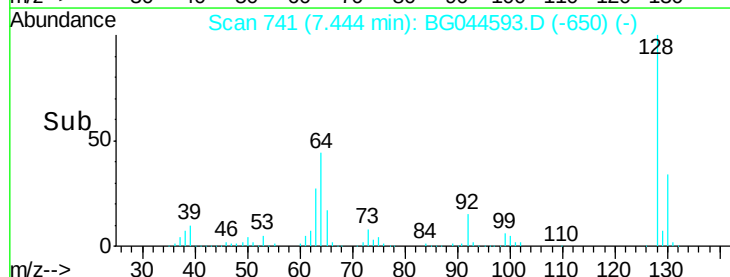
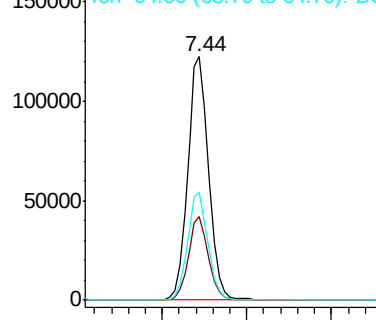
Lab File: BG044593.D

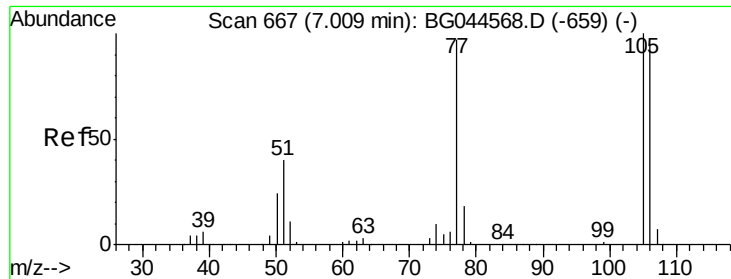
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Tgt Ion:	128	Resp:	210746
Ion Ratio	Lower	Upper	
128	100		
130	34.2	12.3	52.3
64	44.5	22.5	62.5



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





#9

Benzaldehyde

Concen: 14.660 ng

RT: 7.01 min Scan# 667

Delta R.T. 0.00 min

Lab File: BG044593.D

Acq: 26 Feb 2020 1:52

Instrument :

BNA_G

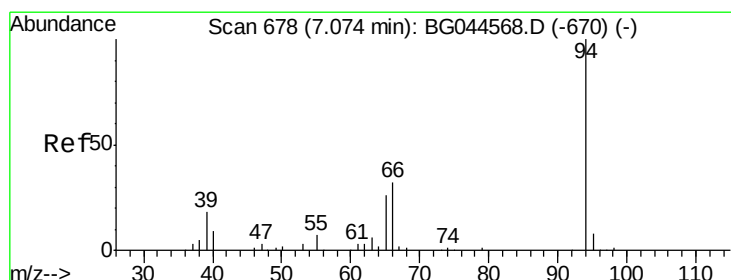
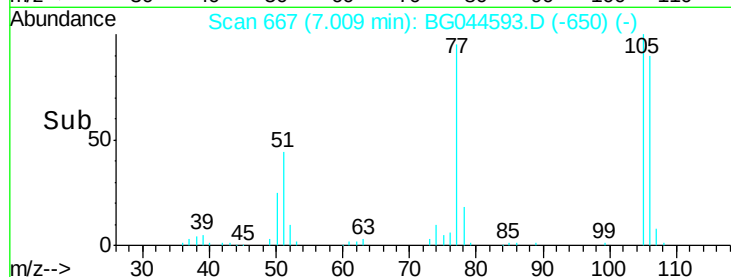
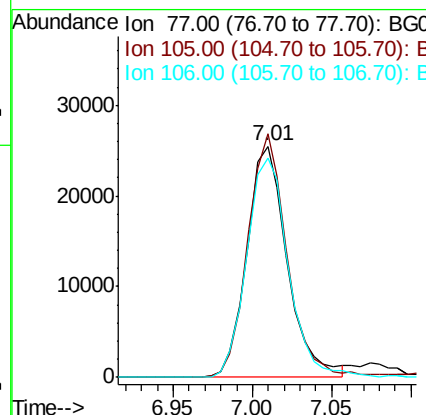
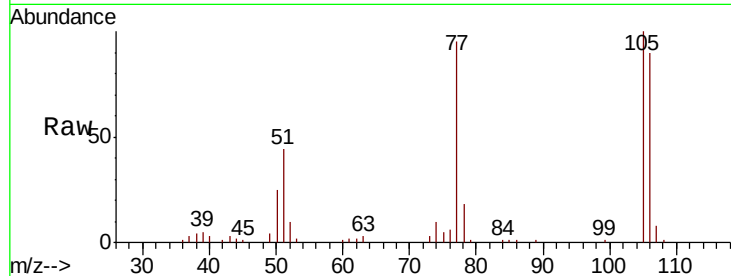
ClientSampleId :

HAM-WC-S-SB-010203MSD

Tot Ion: 77 Resp: 45025
 Ion Ratio Lower Upper
 77 100
 105 105.5 83.6 123.6
 106 94.8 78.2 118.2

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#10

Phenol

Concen: 43.408 ng

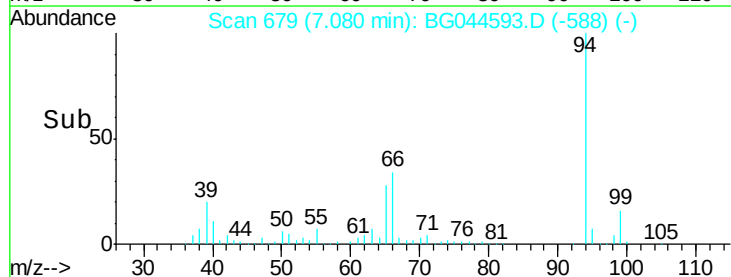
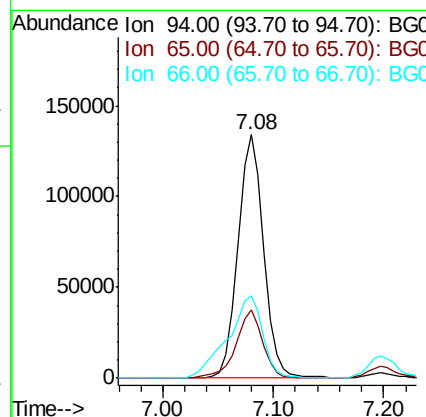
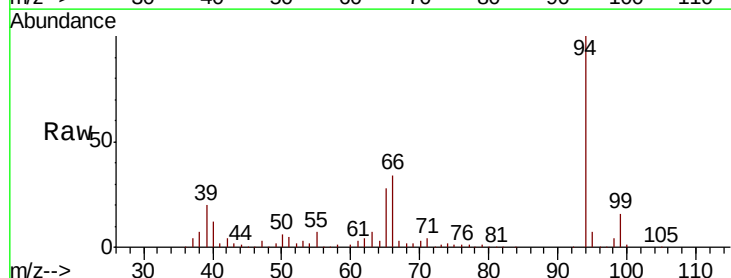
RT: 7.08 min Scan# 679

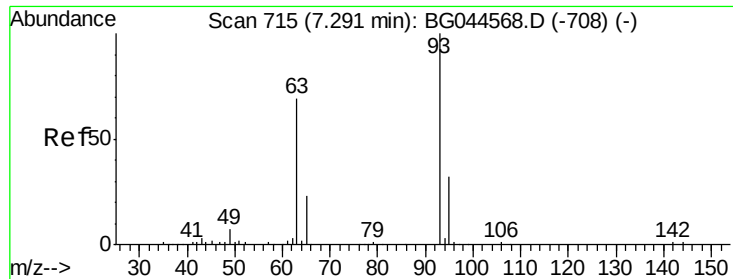
Delta R.T. 0.01 min

Lab File: BG044593.D

Acq: 26 Feb 2020 1:52

Tgt Ion: 94 Resp: 219717
 Ion Ratio Lower Upper
 94 100
 65 27.8 6.4 46.4
 66 33.6 13.9 53.9





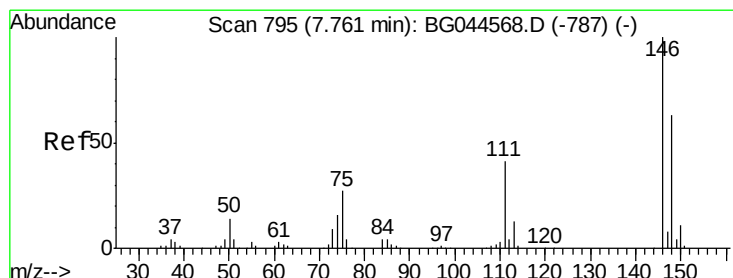
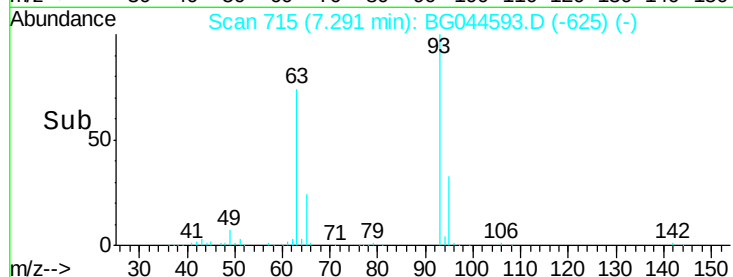
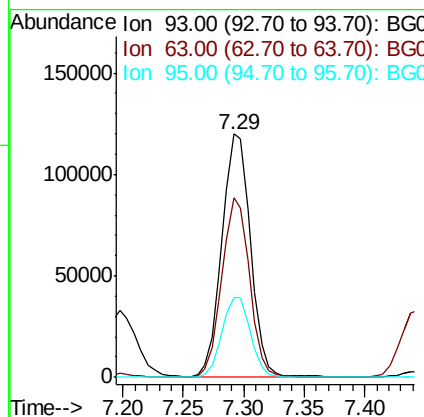
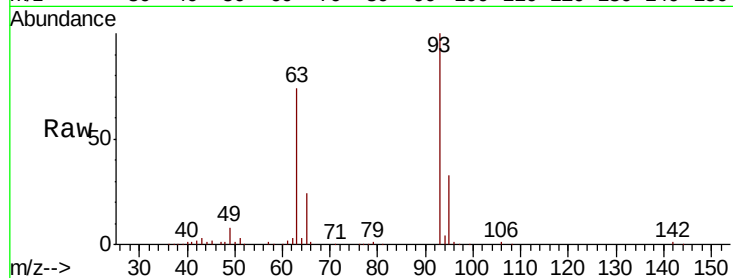
#11
bis(2-Chloroethyl)ether
Concen: 45.874 ng
RT: 7.29 min Scan# 715
Delta R.T. 0.00 min
Lab File: BG044593.D
Acq: 26 Feb 2020 1:52

Instrument :
BNA_G
ClientSampleId :
HAM-WC-S-SB-010203MSD

Tot Ion	Ratio	Lower	Upper
93	100		
63	73.7	48.9	88.9
95	32.9	11.3	51.3

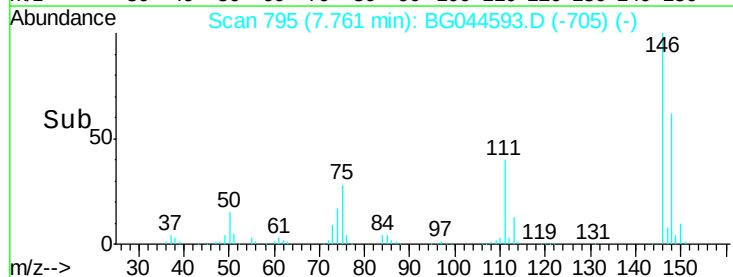
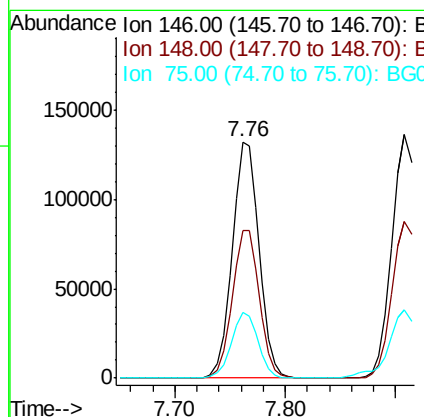
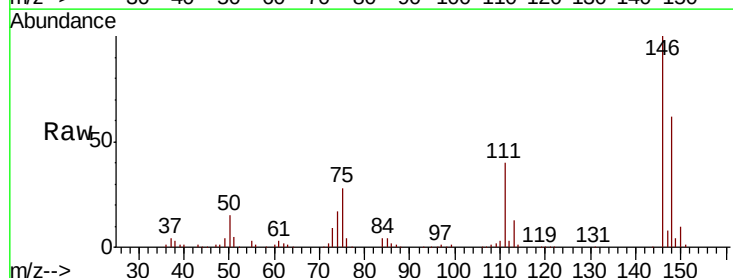
Manual Integrations
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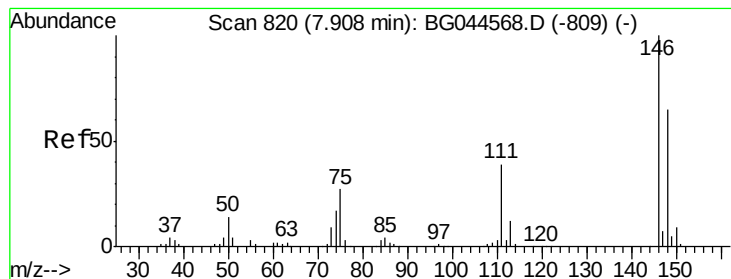
mohammad
2/27/2020 5:03:14 PM



#12
1,3-Dichlorobenzene
Concen: 45.235 ng
RT: 7.76 min Scan# 795
Delta R.T. 0.00 min
Lab File: BG044593.D
Acq: 26 Feb 2020 1:52

Tgt Ion	Ratio	Lower	Upper
146	100		
148	62.3	50.6	75.8
75	28.0	21.4	32.0





#13

1,4-Dichlorobenzene

Concen: 45.284 ng

RT: 7.91 min Scan# 820

Delta R.T. 0.00 min

Lab File: BG044593.D

Acq: 26 Feb 2020 1:52

Instrument :

BNA_G

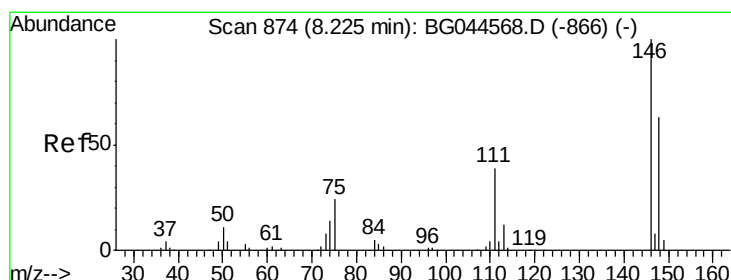
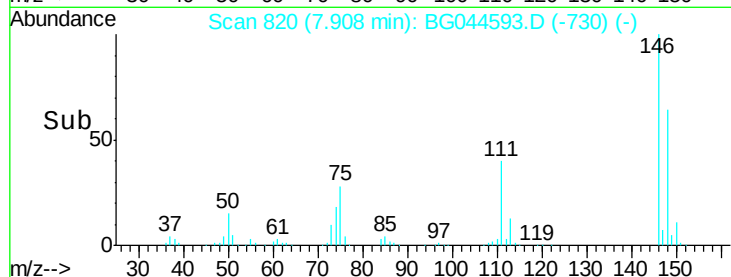
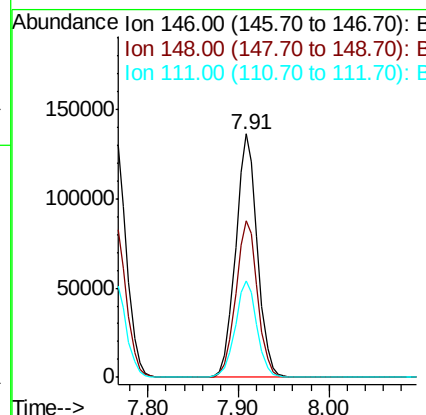
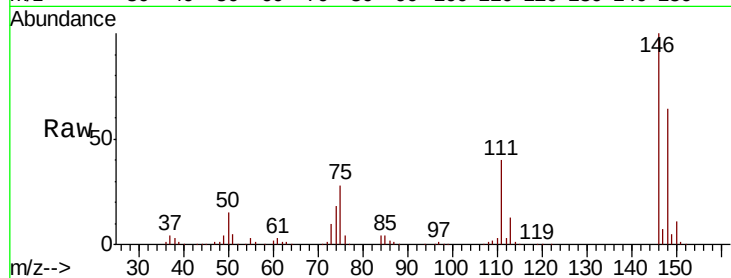
ClientSampleId :

HAM-WC-S-SB-010203MSD

Tot Ion:	146	Resp:	226102
Ion Ratio	Lower	Upper	
146	100		
148	64.4	51.9	77.9
111	39.7	30.8	46.2

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#14

1,2-Dichlorobenzene

Concen: 44.788 ng

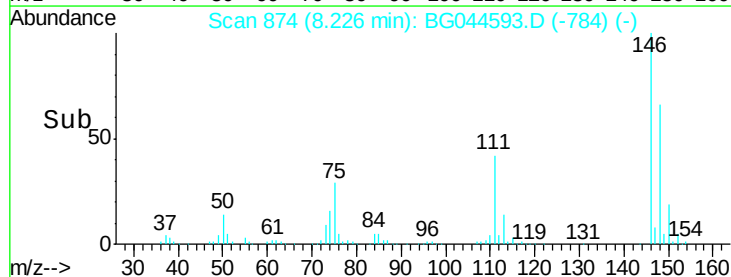
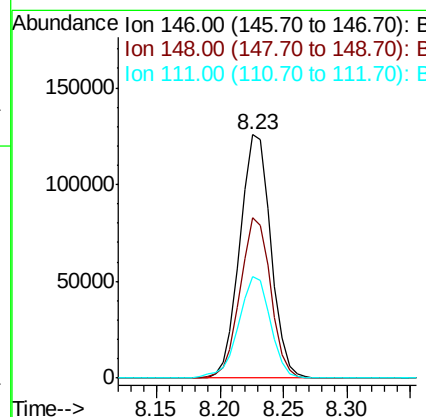
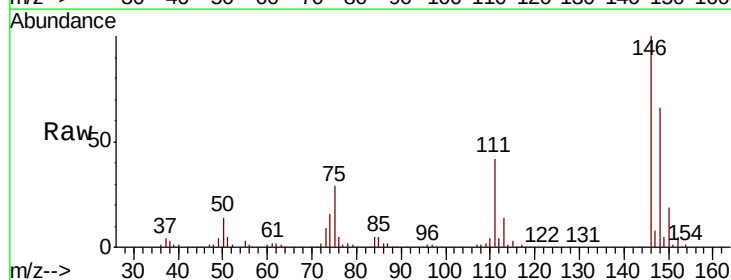
RT: 8.23 min Scan# 874

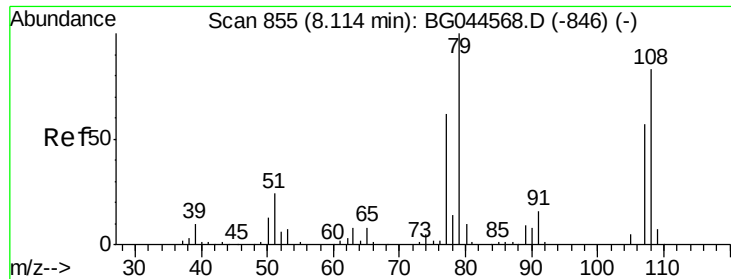
Delta R.T. 0.00 min

Lab File: BG044593.D

Acq: 26 Feb 2020 1:52

Tgt Ion:	146	Resp:	212664
Ion Ratio	Lower	Upper	
146	100		
148	65.9	50.7	76.1
111	41.8	31.8	47.6





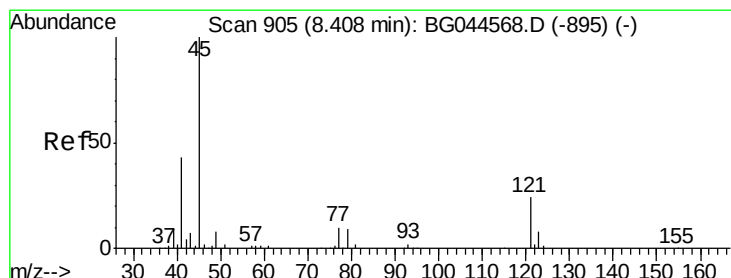
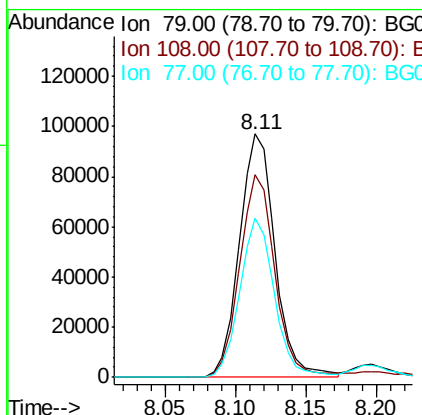
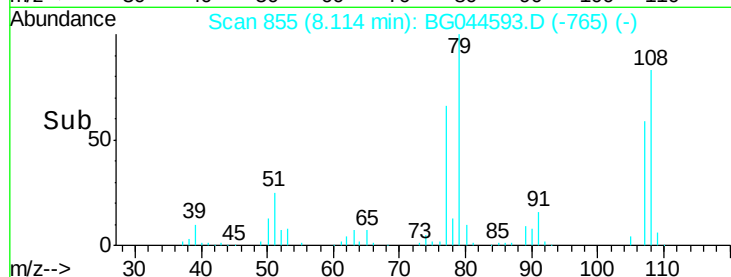
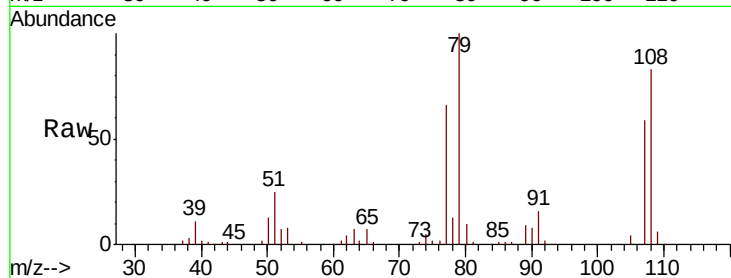
#15
Benzyl Alcohol
Concen: 48.661 ng
RT: 8.11 min Scan# 855
Delta R.T. 0.00 min
Lab File: BG044593.D
Acq: 26 Feb 2020 1:52

Instrument :
BNA_G
ClientSampleId :
HAM-WC-S-SB-010203MSD

Tot Ion	Ratio	Lower	Upper
79	100		
108	83.2	66.0	99.0
77	65.6	49.6	74.4

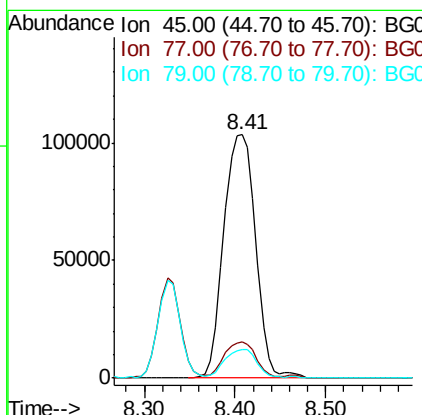
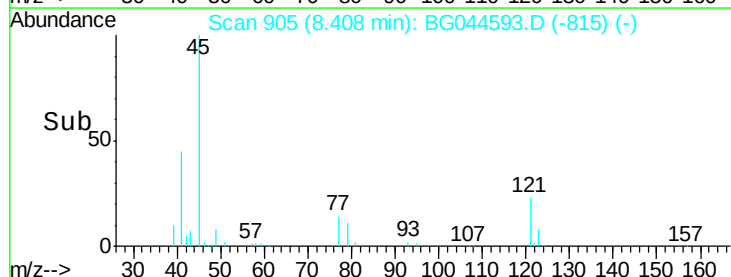
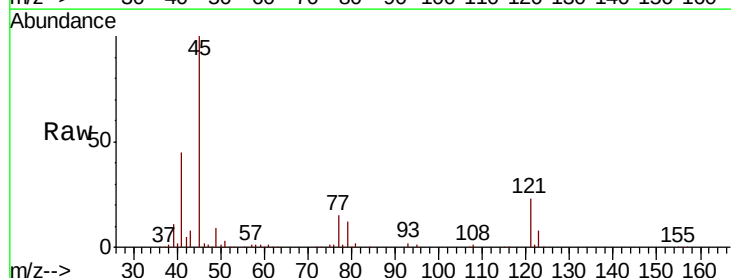
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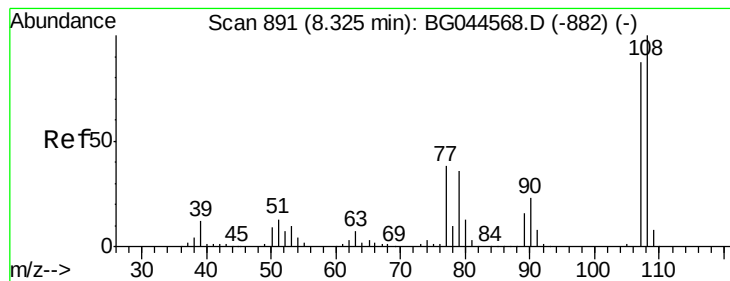
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#16
2,2'-oxybis(1-chloropropane)
Concen: 44.271 ng
RT: 8.41 min Scan# 905
Delta R.T. 0.00 min
Lab File: BG044593.D
Acq: 26 Feb 2020 1:52

Tgt Ion	Ratio	Lower	Upper
45	100		
77	14.9	0.0	34.4
79	11.8	0.0	32.3





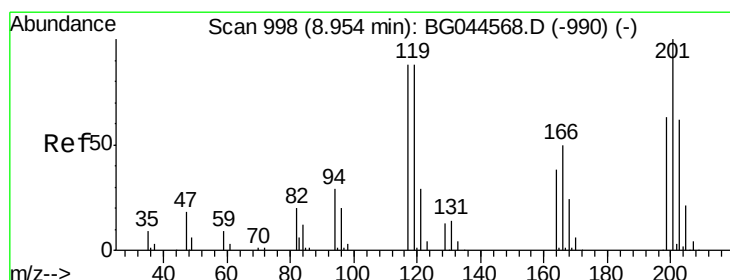
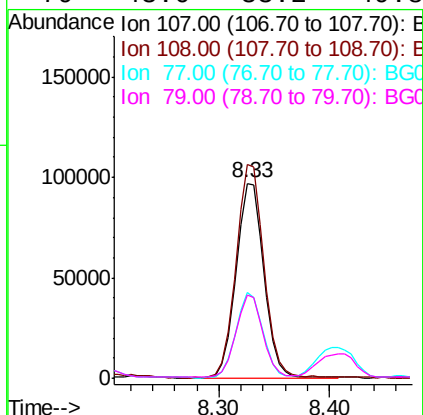
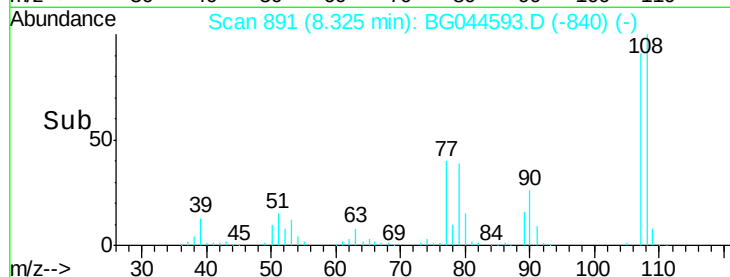
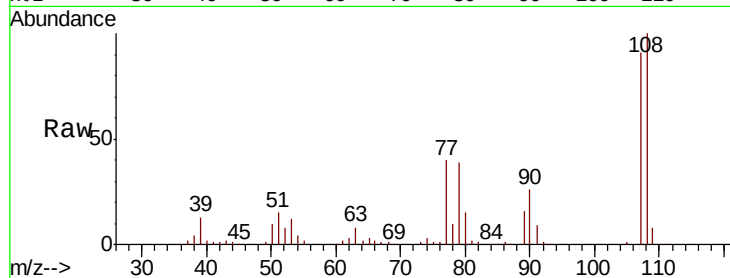
#17
2-Methylphenol
Concen: 47.527 ng
RT: 8.33 min Scan# 891
Delta R.T. 0.00 min
Lab File: BG044593.D
Acq: 26 Feb 2020 1:52

Instrument :
BNA_G
ClientSampleId :
HAM-WC-S-SB-010203MSD

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	109.7	91.7	137.5	
77	43.8	35.1	52.7	
79	43.0	33.2	49.8	

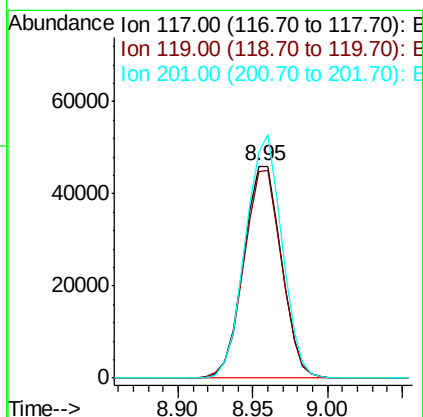
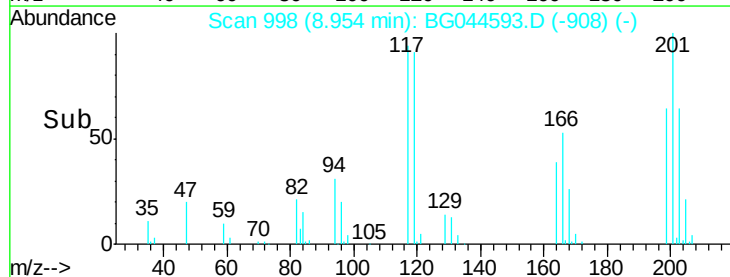
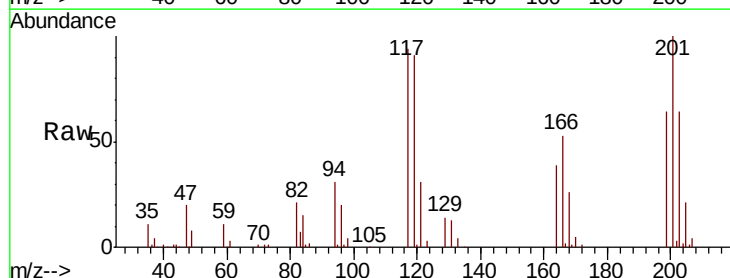
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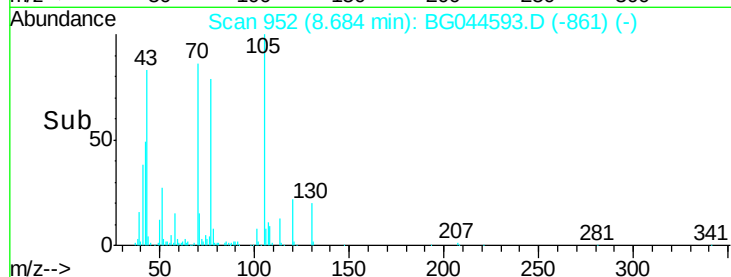
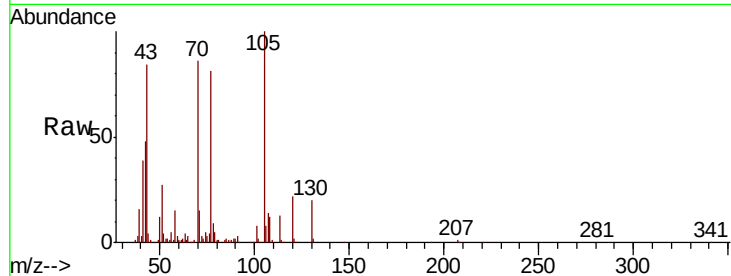
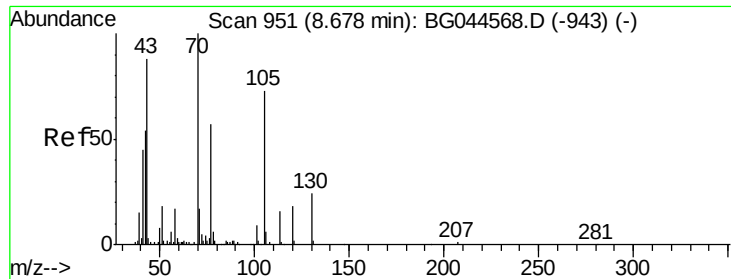
mohammad
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#18
Hexachloroethane
Concen: 44.337 ng
RT: 8.95 min Scan# 998
Delta R.T. 0.00 min
Lab File: BG044593.D
Acq: 26 Feb 2020 1:52

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	97.2	80.0	120.0	
201	106.5	90.5	135.7	





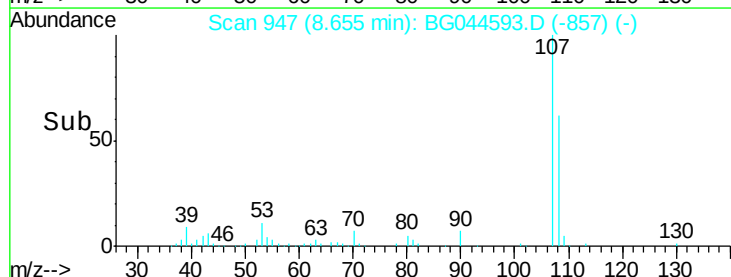
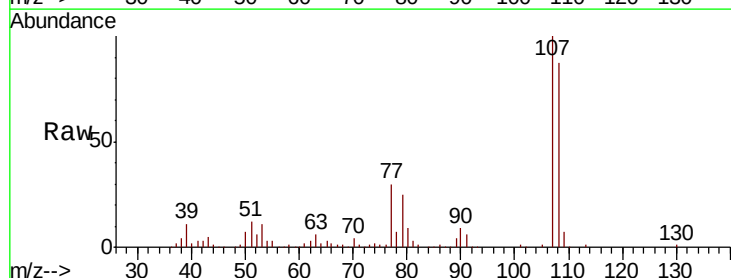
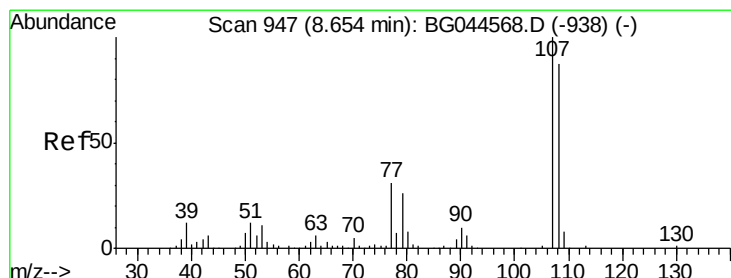
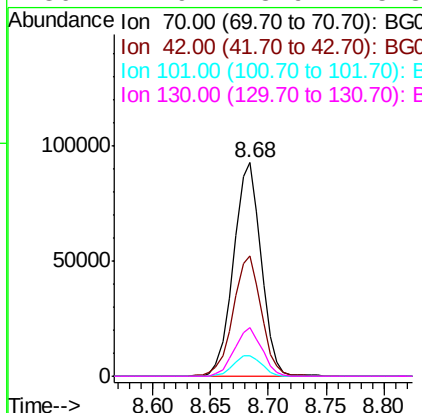
#19
n-Nitroso-di-n-propylamine
Concen: 45.633 ng
RT: 8.68 min Scan# 952
Delta R.T. 0.01 min
Lab File: BG044593.D
Acq: 26 Feb 2020 1:52

Tot Ion	Ion	Ratio	Lower	Upper
70	100			
42	56.4	43.4	65.0	
101	9.6	7.5	11.3	
130	22.9	18.9	28.3	

Instrument :
BNA_G
ClientSampleId :
HAM-WC-S-SB-010203MSD

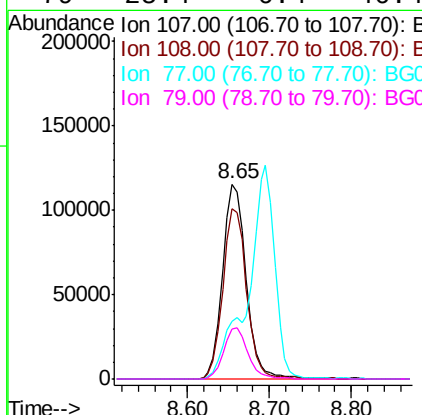
Manual Integrations
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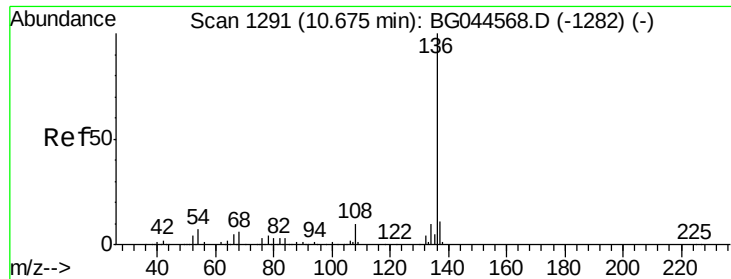
mohammad
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#20
3+4-Methylphenols
Concen: 47.047 ng
RT: 8.65 min Scan# 947
Delta R.T. 0.00 min
Lab File: BG044593.D
Acq: 26 Feb 2020 1:52

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
108	87.1	67.5	107.5	
77	29.7	11.3	51.3	
79	25.4	6.4	46.4	





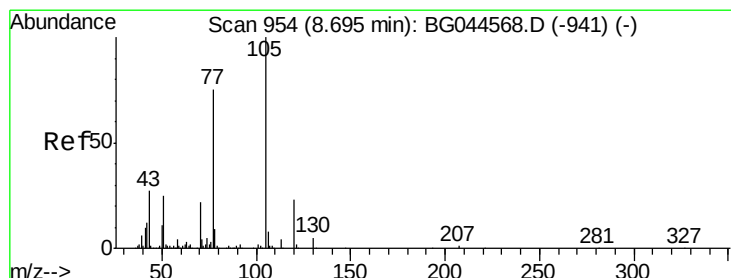
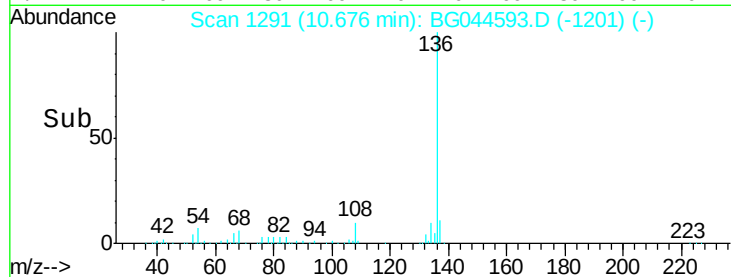
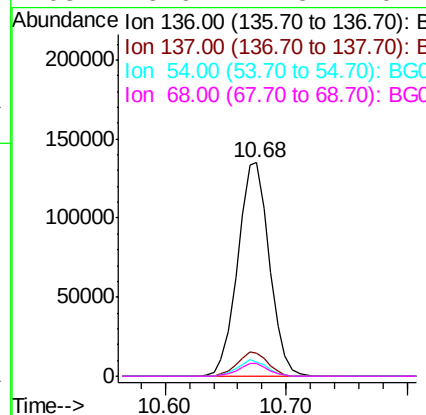
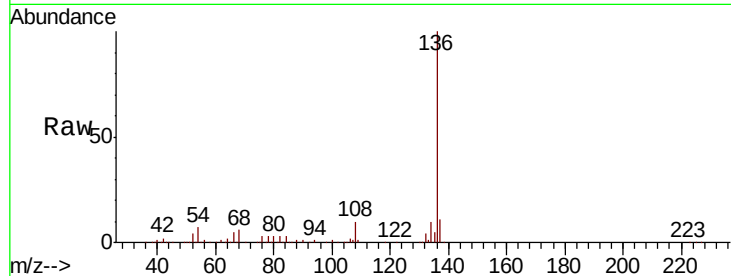
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.68 min Scan# 1291
Delta R.T. 0.00 min
Lab File: BG044593.D
Acq: 26 Feb 2020 1:52

Instrument :
BNA_G
ClientSampleId :
HAM-WC-S-SB-010203MSD

Tot Ion	Ratio	Resp	Lower	Upper
136	100	245695		
137	10.6		8.8	13.2
54	6.9		5.7	8.5
68	5.9		4.5	6.7

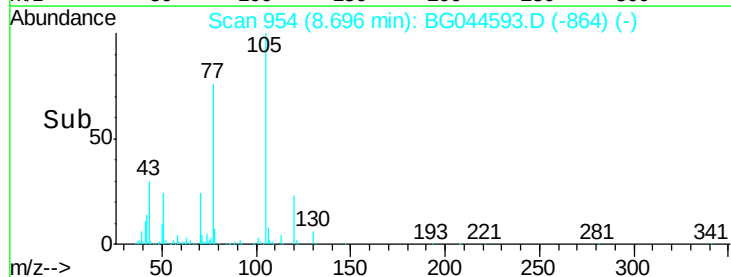
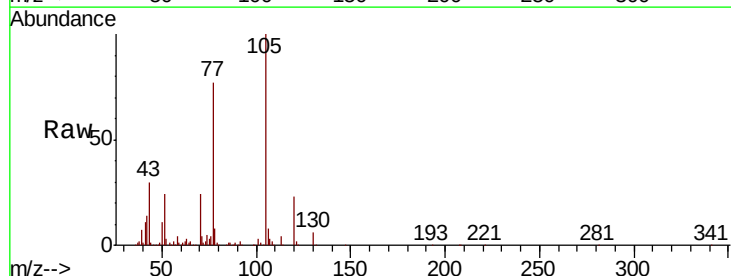
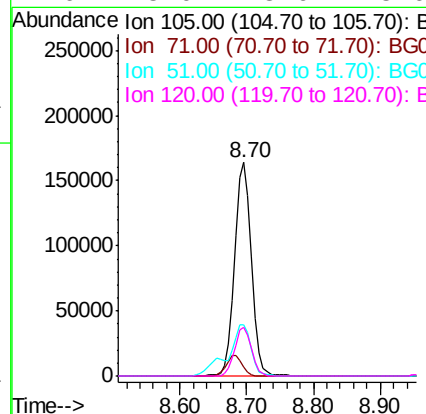
Manual Integrations
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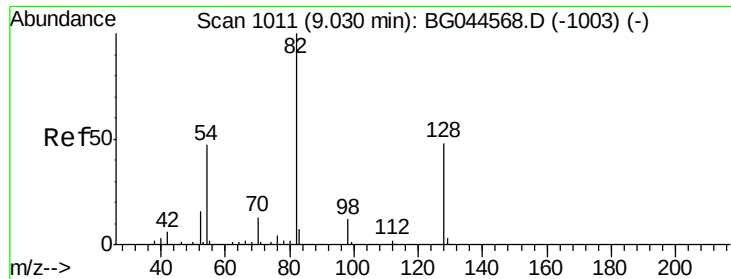
mohammad
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#22
Acetophenone
Concen: 47.371 ng
RT: 8.70 min Scan# 954
Delta R.T. 0.00 min
Lab File: BG044593.D
Acq: 26 Feb 2020 1:52

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	292210		
71	4.0		2.8	4.2
51	24.1		19.9	29.9
120	23.0		18.6	28.0





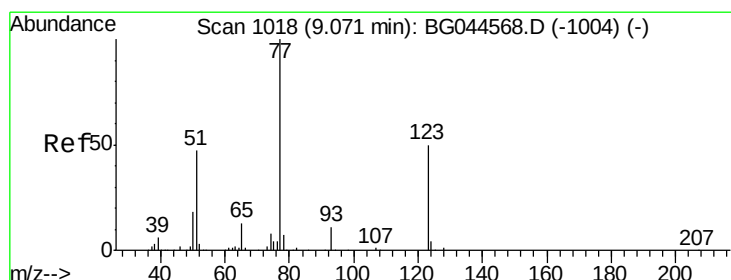
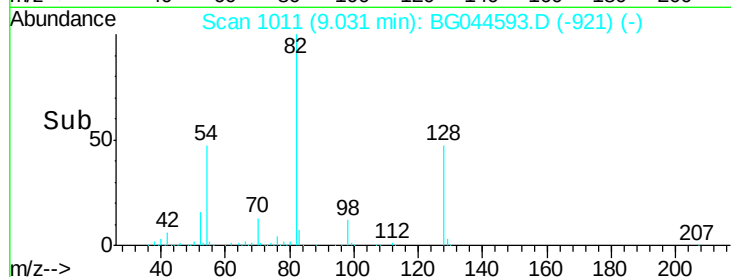
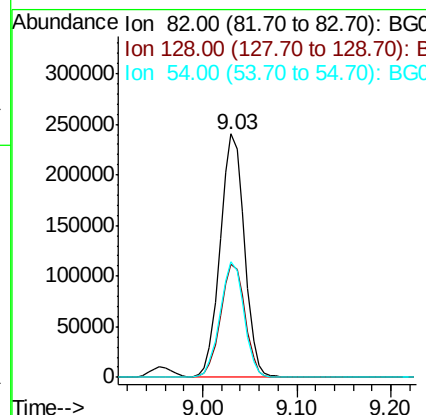
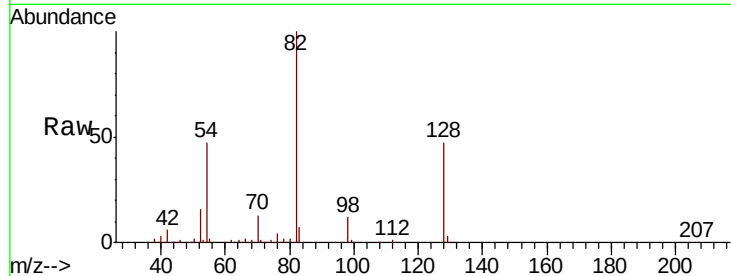
#23
 Nitrobenzene-d5
 Concen: 91.099 ng
 RT: 9.03 min Scan# 1011
 Delta R.T. 0.00 min
 Lab File: BG044593.D
 Acq: 26 Feb 2020 1:52

Instrument :
 BNA_G
 ClientSampleId :
 HAM-WC-S-SB-010203MSD

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.5	38.1	57.1
54	47.2	37.5	56.3

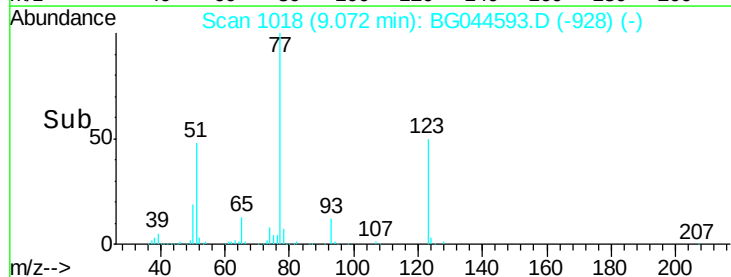
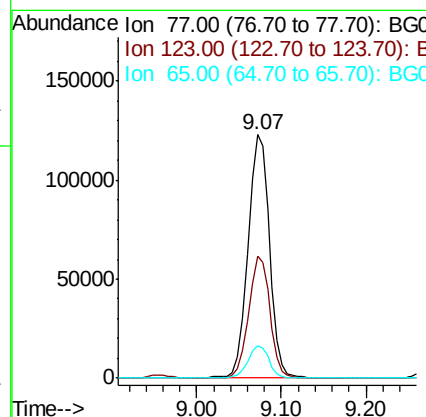
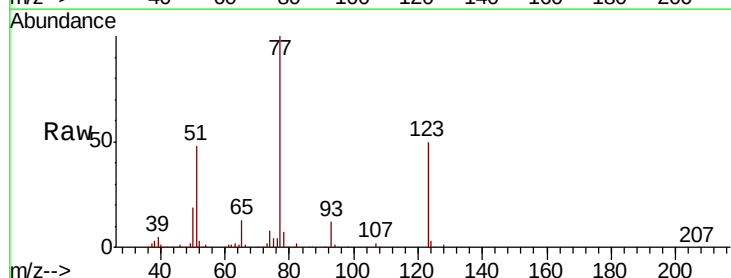
Manual Integrations
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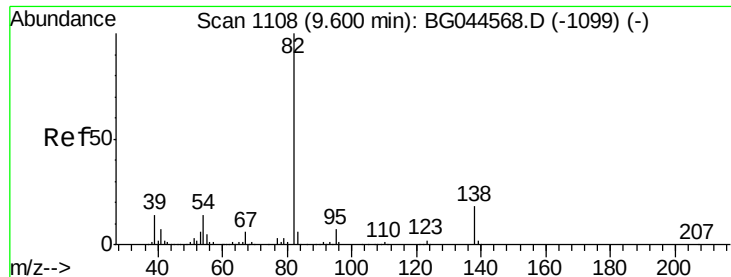
mohammad
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#24
 Nitrobenzene
 Concen: 47.069 ng
 RT: 9.07 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: BG044593.D
 Acq: 26 Feb 2020 1:52

Tgt Ion	Ratio	Lower	Upper
77	100		
123	49.9	40.1	60.1
65	13.4	10.4	15.6





#25

Isophorone

Concen: 47.483 ng

RT: 9.60 min Scan# 1108

Delta R.T. 0.00 min

Lab File: BG044593.D

Acq: 26 Feb 2020 1:52

Instrument :

BNA_G

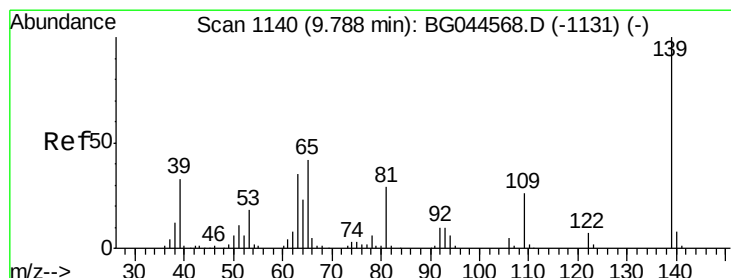
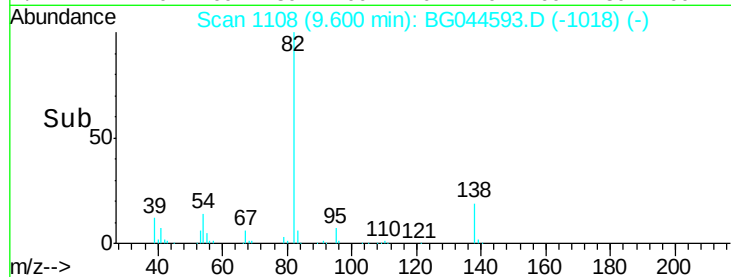
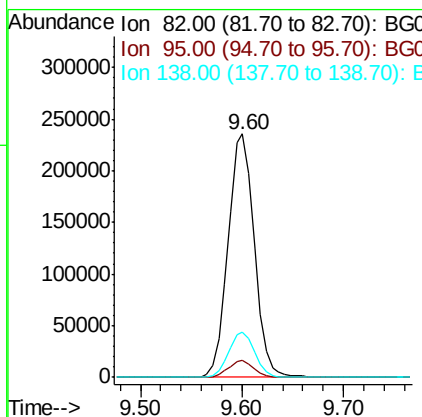
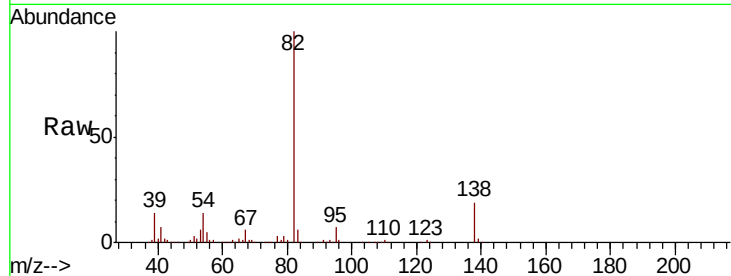
ClientSampleId :

HAM-WC-S-SB-010203MSD

Tot Ion	82	Resp	423628
Ion Ratio	Lower	Upper	
82	100		
95	6.9	5.6	8.4
138	18.8	14.7	22.1

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#26

2-Nitrophenol

Concen: 47.891 ng

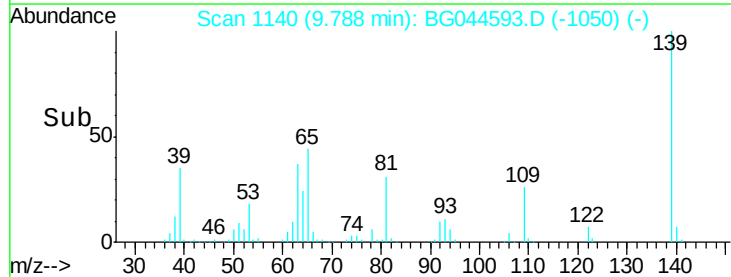
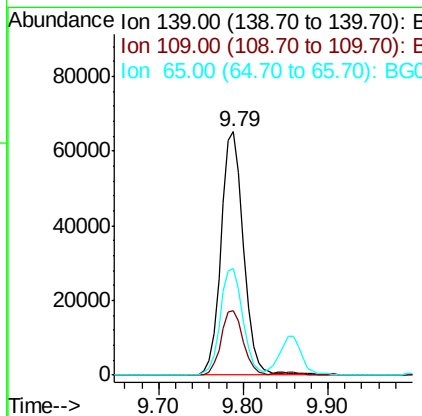
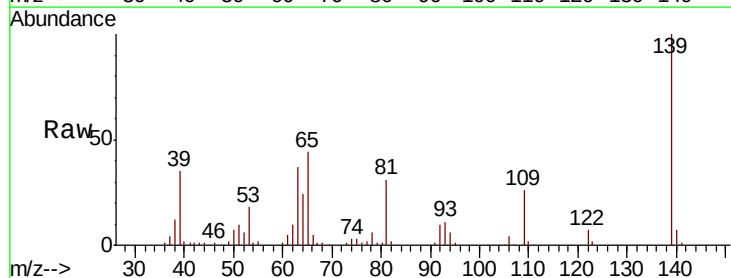
RT: 9.79 min Scan# 1140

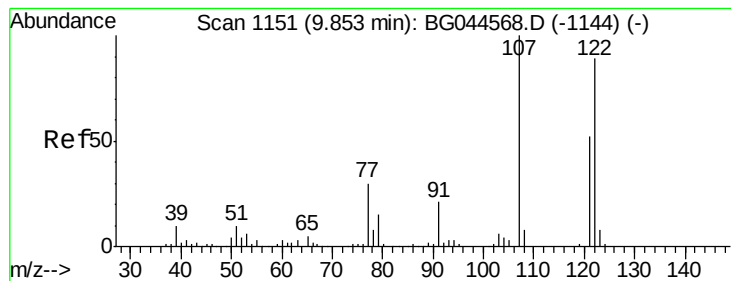
Delta R.T. 0.00 min

Lab File: BG044593.D

Acq: 26 Feb 2020 1:52

Tgt Ion	139	Resp	120003
Ion Ratio	Lower	Upper	
139	100		
109	26.3	20.6	31.0
65	43.8	33.3	49.9





#27

2,4-Dimethylphenol

Concen: 54.535 ng

RT: 9.85 min Scan# 1151

Delta R.T. 0.00 min

Lab File: BG044593.D

Acq: 26 Feb 2020 1:52

Instrument :

BNA_G

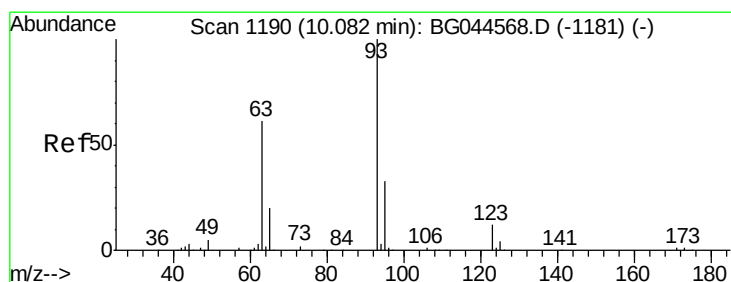
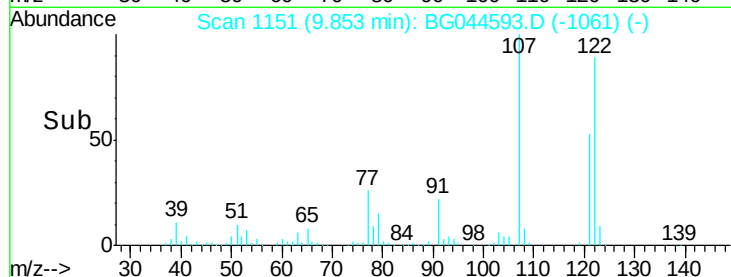
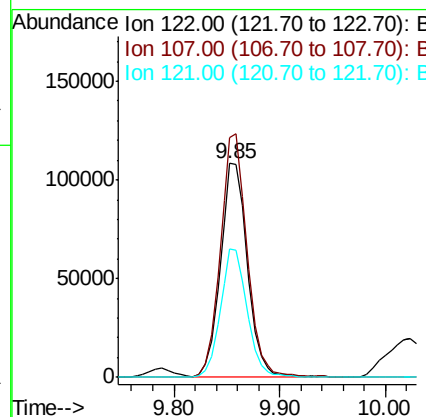
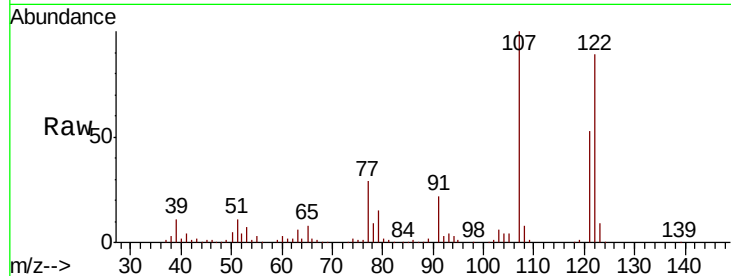
ClientSampleId :

HAM-WC-S-SB-010203MSD

Tot Ion:	122	Resp:	191868
Ion Ratio	Lower	Upper	
122	100		
107	112.3	89.4	134.0
121	60.0	46.5	69.7

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#28

bis(2-Chloroethoxy)methane

Concen: 45.028 ng

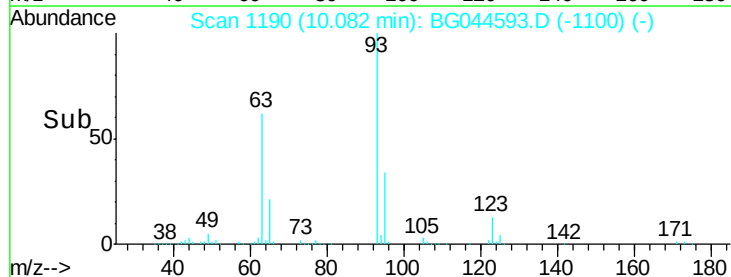
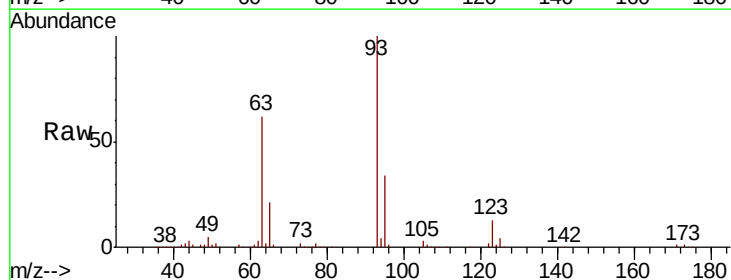
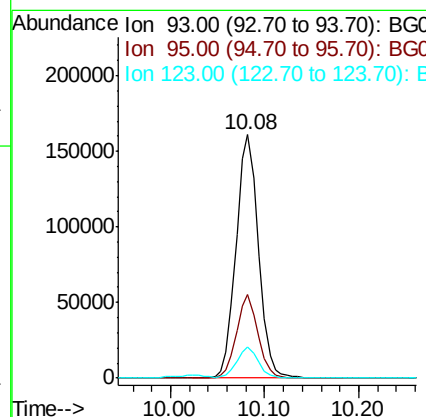
RT: 10.08 min Scan# 1190

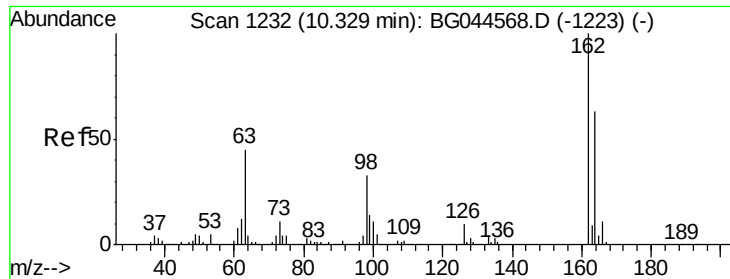
Delta R.T. 0.00 min

Lab File: BG044593.D

Acq: 26 Feb 2020 1:52

Tgt Ion:	93	Resp:	265659
Ion Ratio	Lower	Upper	
93	100		
95	34.1	26.5	39.7
123	12.9	9.7	14.5





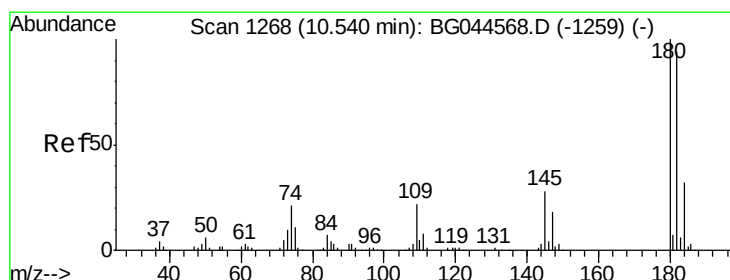
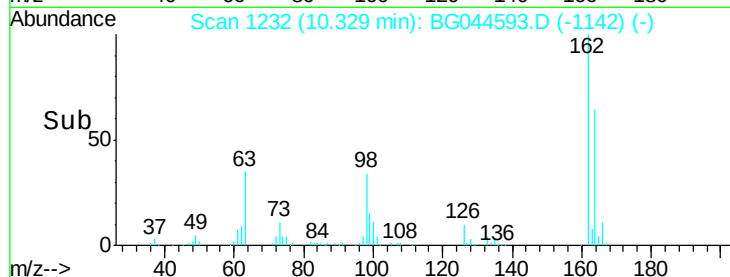
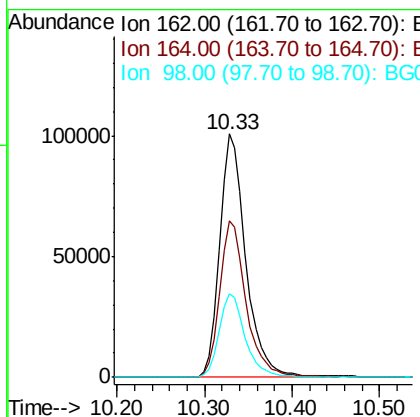
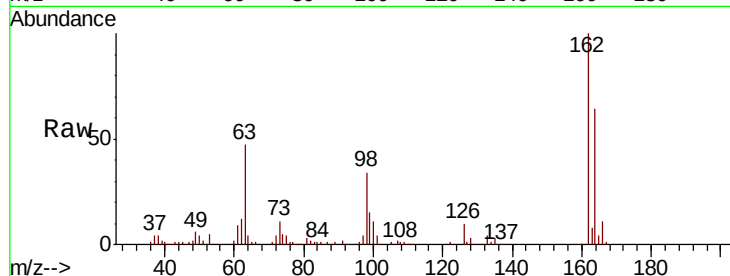
#29
 2,4-Dichlorophenol
 Concen: 49.379 ng
 RT: 10.33 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: BG044593.D
 Acq: 26 Feb 2020 1:52

Instrument :
 BNA_G
 ClientSampleId :
 HAM-WC-S-SB-010203MSD

Tot Ion	Ratio	Resp	Lower	Upper
162	100	207702		
164	64.4	43.2	83.2	
98	34.4	13.2	53.2	

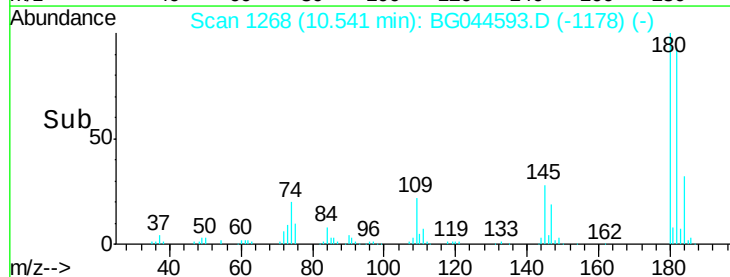
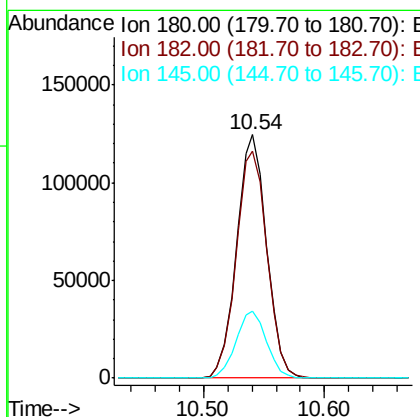
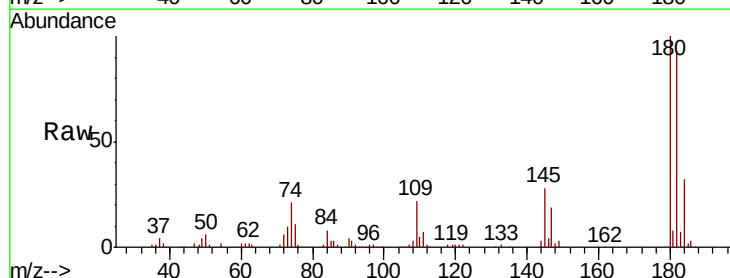
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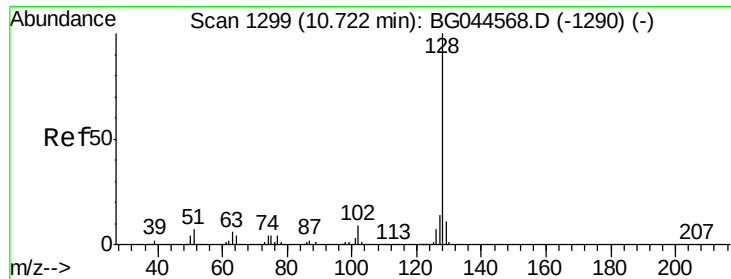
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#30
 1,2,4-Trichlorobenzene
 Concen: 44.204 ng
 RT: 10.54 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: BG044593.D
 Acq: 26 Feb 2020 1:52

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	215036		
182	93.1	75.6	113.4	
145	27.8	22.2	33.2	





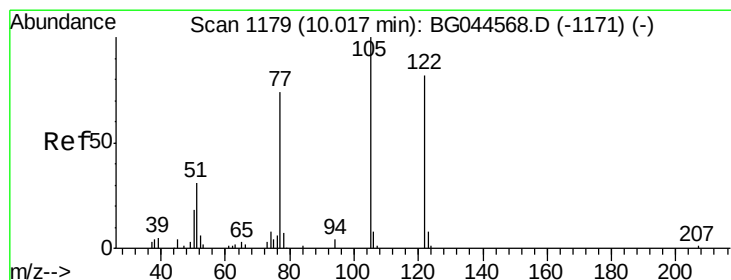
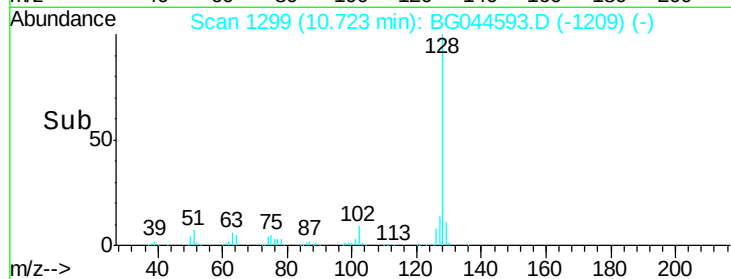
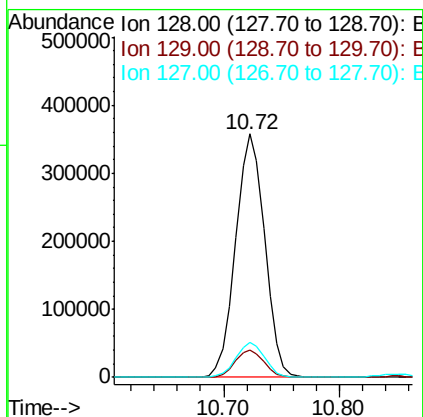
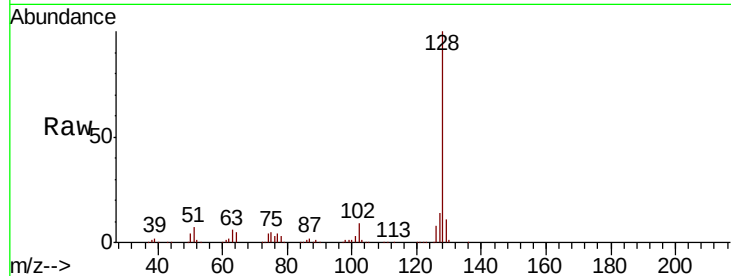
#31
Naphthalene
Concen: 46.499 ng
RT: 10.72 min Scan# 1299
Delta R.T. 0.00 min
Lab File: BG044593.D
Acq: 26 Feb 2020 1:52

Instrument :
BNA_G
ClientSampleId :
HAM-WC-S-SB-010203MSD

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.4	9.0	13.6
127	14.3	11.0	16.4

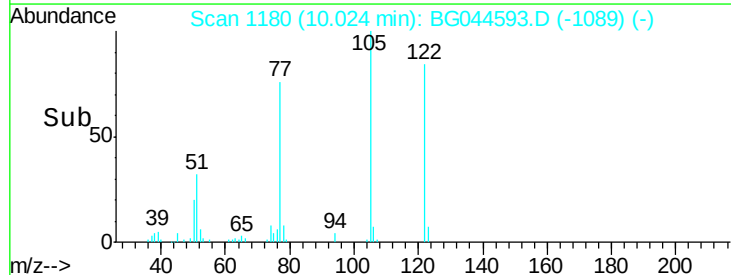
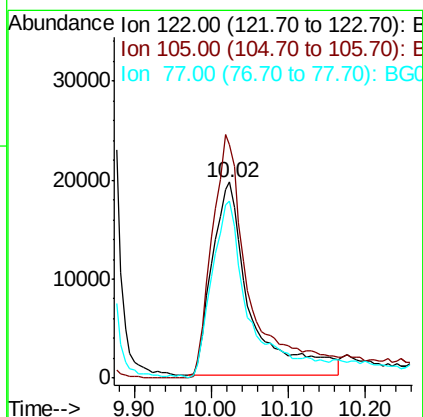
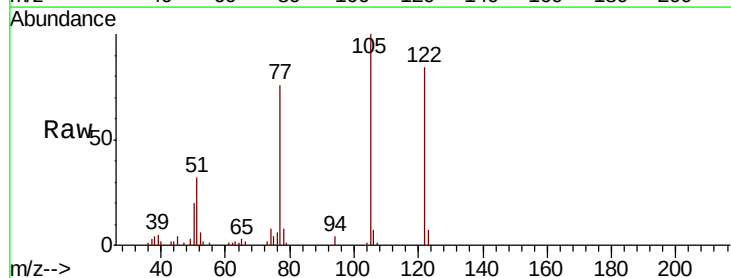
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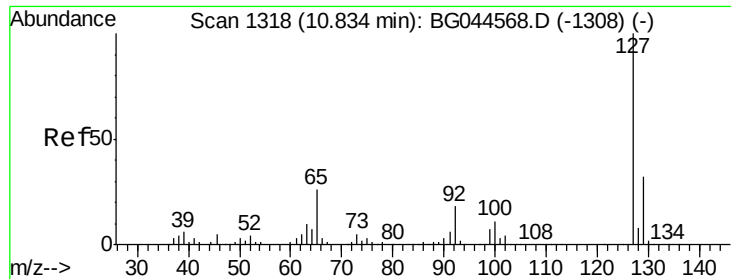
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#32
Benzoic acid
Concen: 49.849 ng
RT: 10.02 min Scan# 1180
Delta R.T. 0.01 min
Lab File: BG044593.D
Acq: 26 Feb 2020 1:52

Tgt Ion	Ratio	Lower	Upper
122	100		
105	119.3	101.4	141.4
77	90.8	69.8	109.8





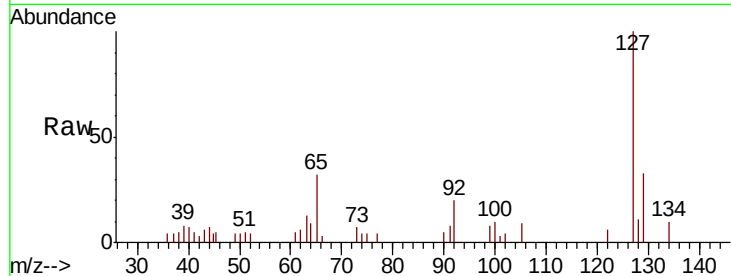
#33
4-Chloroaniline
Concen: 1.989 ng
RT: 10.85 min Scan# 1320
Delta R.T. 0.01 min
Lab File: BG044593.D
Acq: 26 Feb 2020 1:52

Instrument :
BNA_G
ClientSampleId :
HAM-WC-S-SB-010203MSD

Tot Ion	Ratio	Lower	Upper
127	100		
129	33.1	25.9	38.9
65	31.9	20.7	31.1#
92	19.6	14.2	21.2

Manual Integrations
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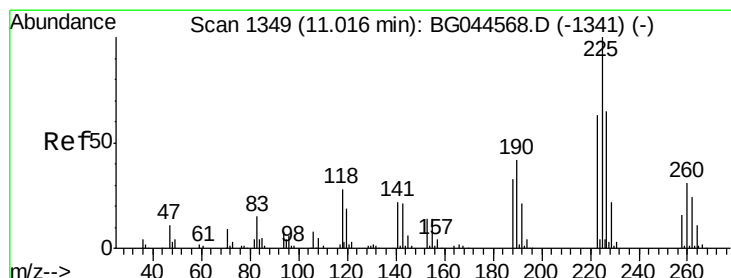
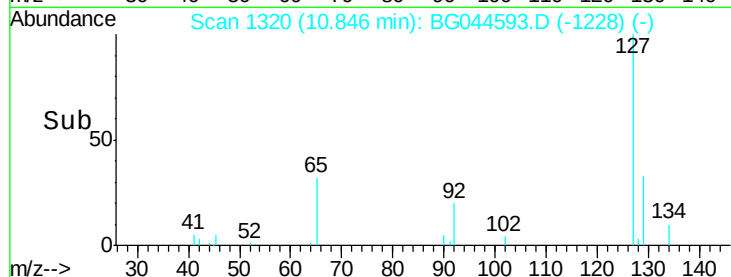
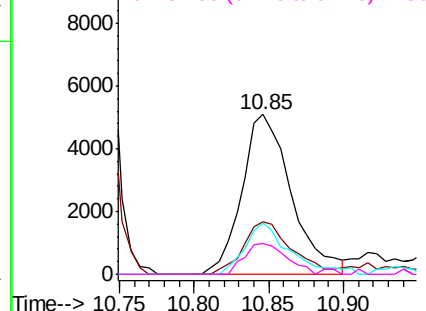
Abundance

Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

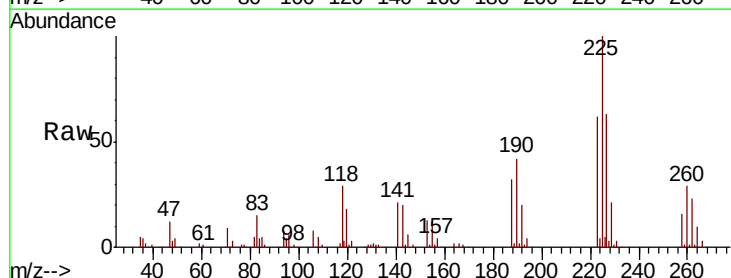
Ion 65.00 (64.70 to 65.70): BGC

Ion 92.00 (91.70 to 92.70): BGC



#34
Hexachlorobutadiene
Concen: 43.117 ng
RT: 11.02 min Scan# 1349
Delta R.T. 0.00 min
Lab File: BG044593.D
Acq: 26 Feb 2020 1:52

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.6	50.6	76.0
227	63.0	52.1	78.1

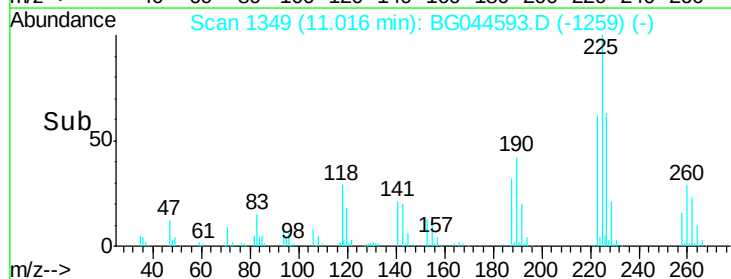
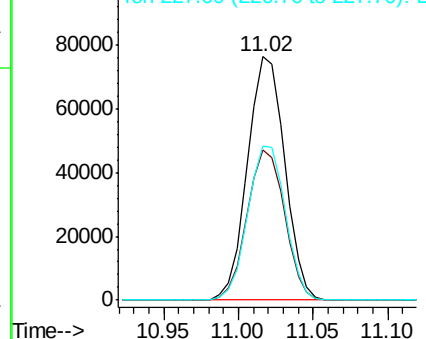


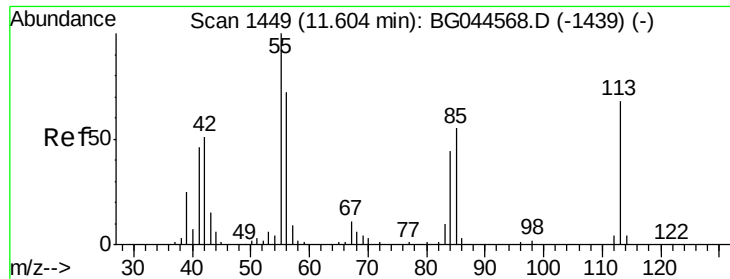
Abundance

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





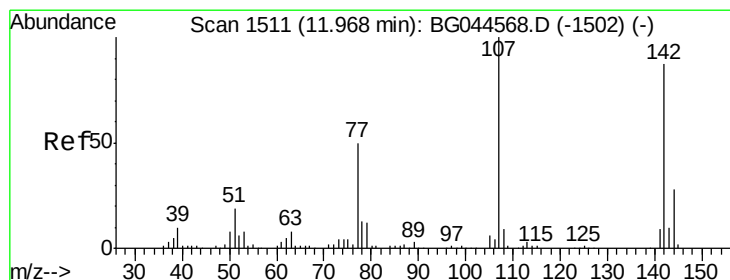
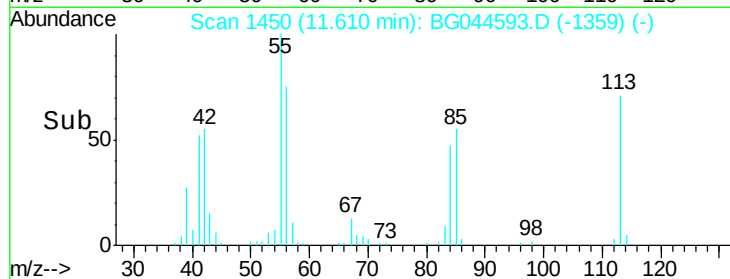
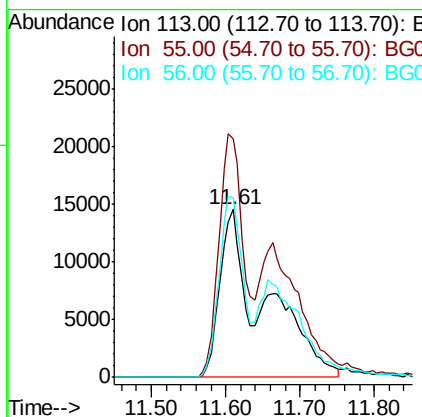
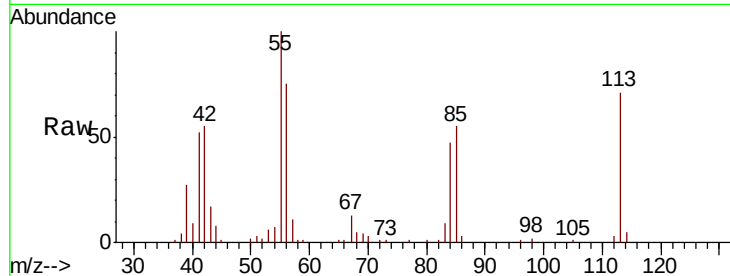
#35
Caprolactam
Concen: 39.823 ng/ml
RT: 11.61 min Scan# 1450
Delta R.T. 0.01 min
Lab File: BG044593.D
Acq: 26 Feb 2020 1:52

Instrument :
BNA_G
ClientSampleId :
HAM-WC-S-SB-010203MSD

Tot Ion	Ratio	Lower	Upper
113	100		
55	141.6	127.8	167.8
56	106.8	86.9	126.9

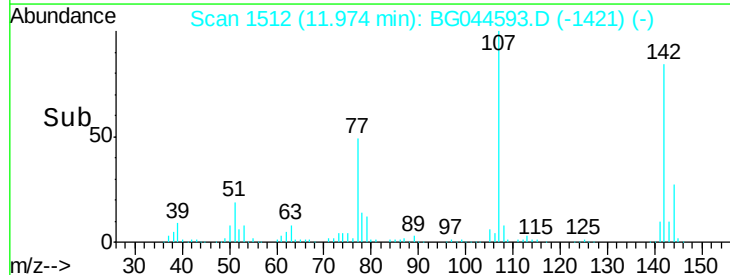
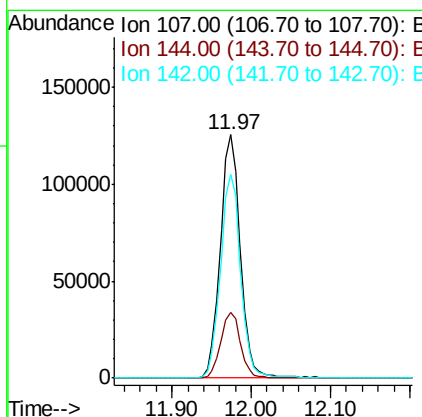
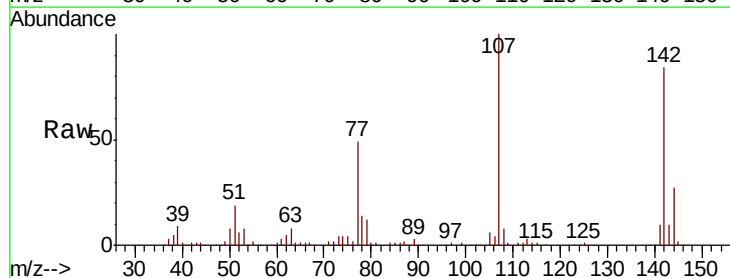
Manual Integrations
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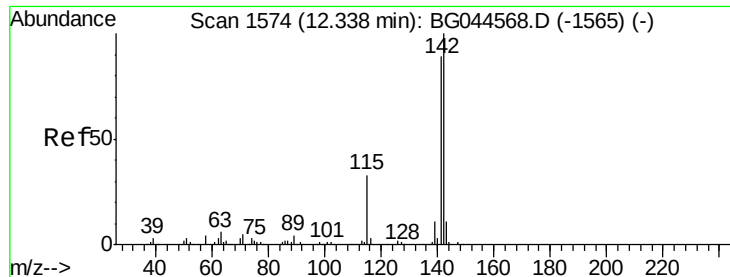
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#36
4-Chloro-3-methylphenol
Concen: 50.910 ng/ml
RT: 11.97 min Scan# 1512
Delta R.T. 0.01 min
Lab File: BG044593.D
Acq: 26 Feb 2020 1:52

Tgt Ion	Ratio	Lower	Upper
107	100		
144	26.9	22.3	33.5
142	84.0	69.3	103.9





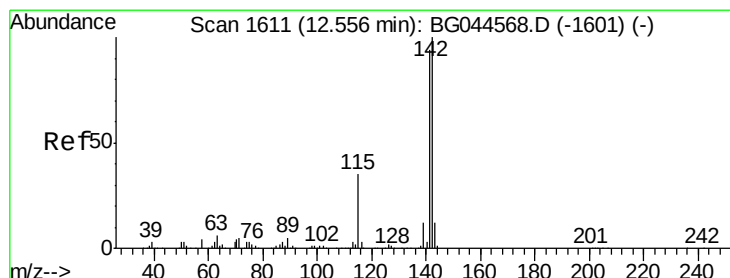
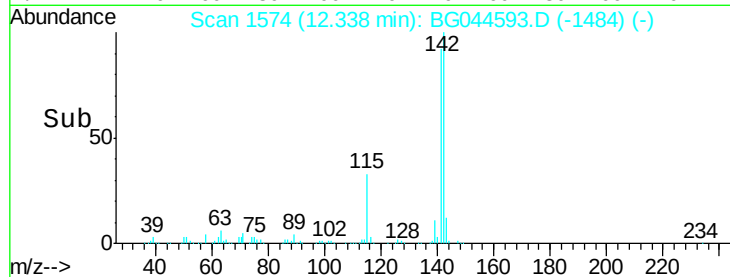
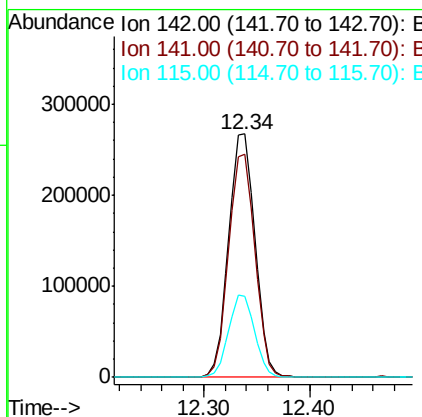
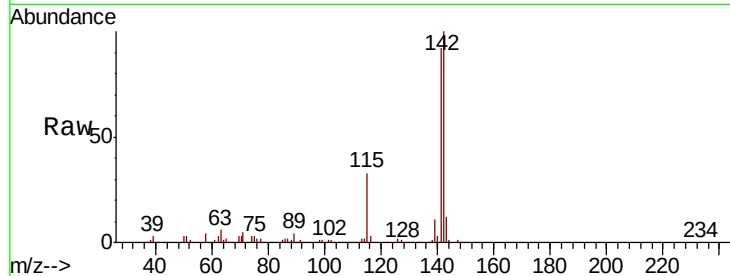
#37
2-Methylnaphthalene
Concen: 46.729 ng
RT: 12.34 min Scan# 1574
Delta R.T. 0.00 min
Lab File: BG044593.D
Acq: 26 Feb 2020 1:52

Instrument :
BNA_G
ClientSampleId :
HAM-WC-S-SB-010203MSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	91.6	71.3	106.9
115	33.2	26.2	39.2

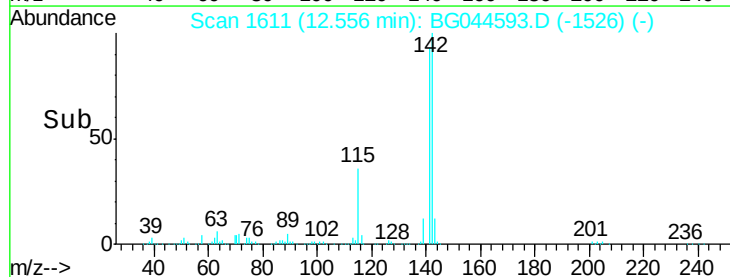
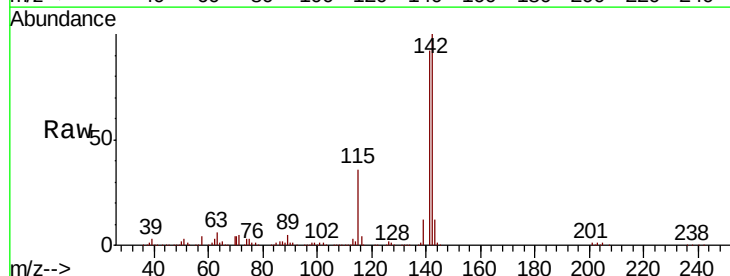
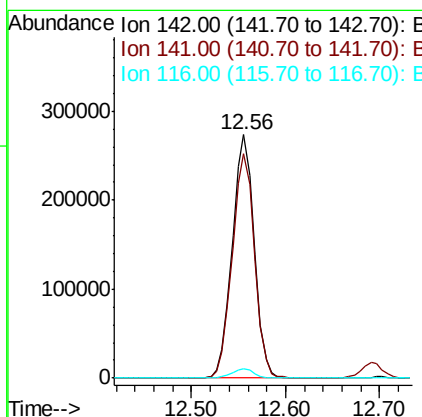
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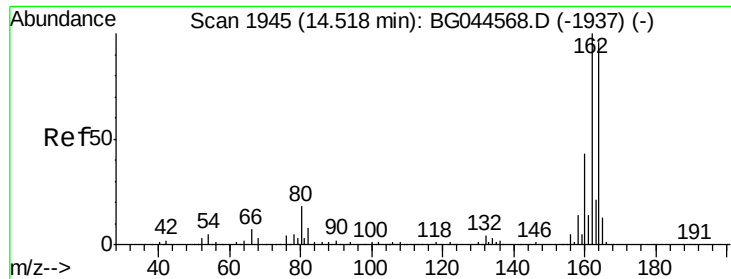
mohammad
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#38
1-Methylnaphthalene
Concen: 46.840 ng
RT: 12.56 min Scan# 1611
Delta R.T. 0.00 min
Lab File: BG044593.D
Acq: 26 Feb 2020 1:52

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.4	75.1	112.7
116	3.7	2.6	4.0





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.52 min Scan# 1945

Delta R.T. 0.00 min

Lab File: BG044593.D

Acq: 26 Feb 2020 1:52

Instrument :

BNA_G

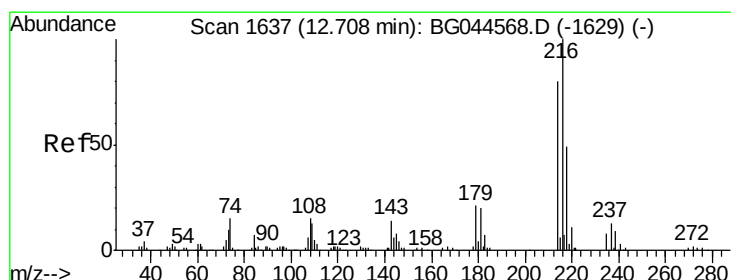
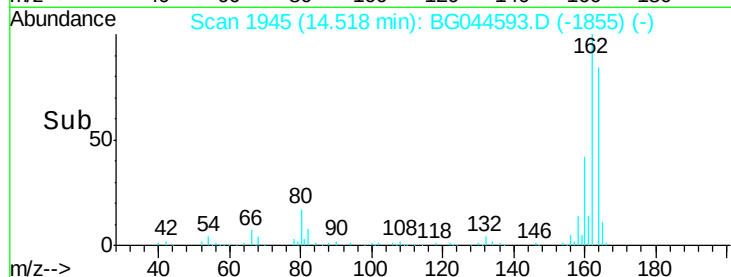
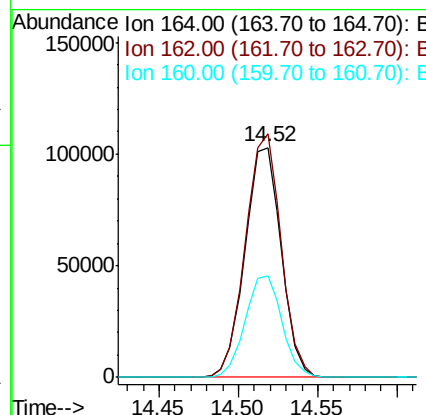
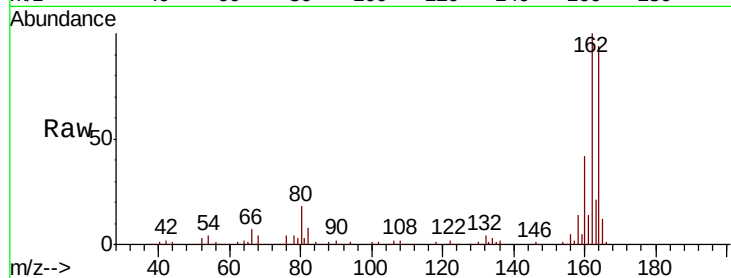
ClientSampleId :

HAM-WC-S-SB-010203MSD

Tot Ion:	164	Resp:	163337
Ion Ratio	Lower	Upper	
164	100		
162	106.0	83.6	125.4
160	44.1	36.2	54.4

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#40

1,2,4,5-Tetrachlorobenzene

Concen: 43.049 ng

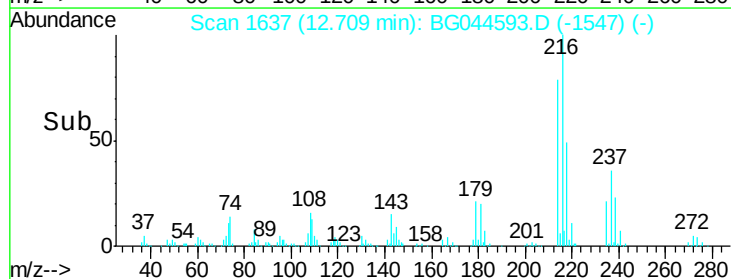
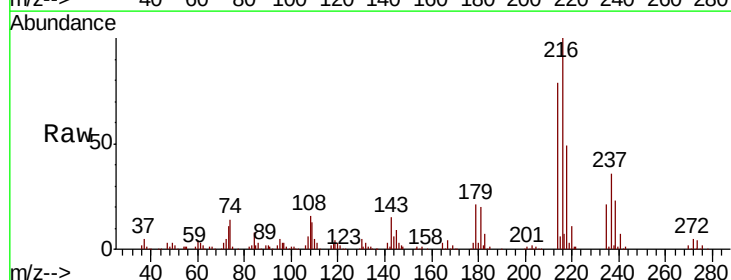
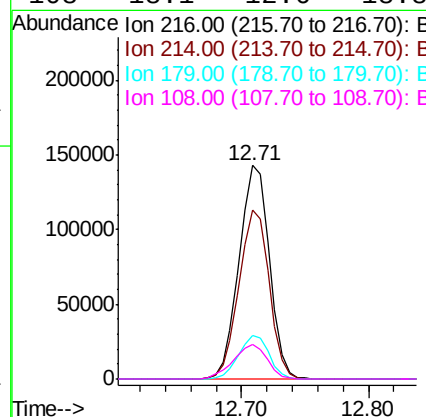
RT: 12.71 min Scan# 1637

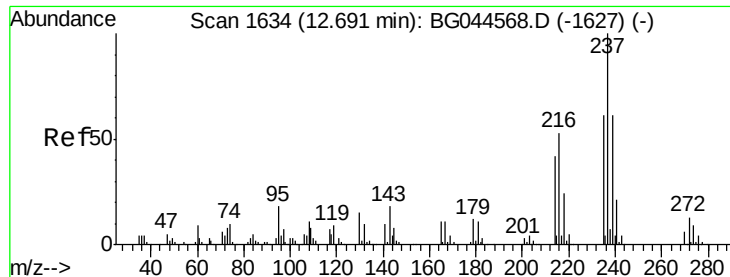
Delta R.T. 0.00 min

Lab File: BG044593.D

Acq: 26 Feb 2020 1:52

Tgt Ion:	216	Resp:	236719
Ion Ratio	Lower	Upper	
216	100		
214	78.9	63.3	94.9
179	20.4	16.2	24.2
108	18.1	12.6	18.8





#41

Hexachlorocyclopentadiene

Concen: 92.187 ng

RT: 12.69 min Scan# 1634

Delta R.T. 0.00 min

Lab File: BG044593.D

Acq: 26 Feb 2020 1:52

Instrument :

BNA_G

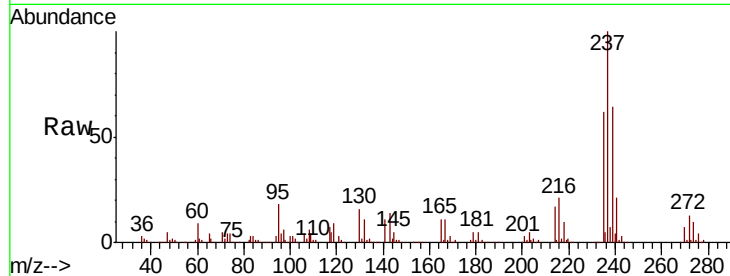
ClientSampleId :

HAM-WC-S-SB-010203MSD

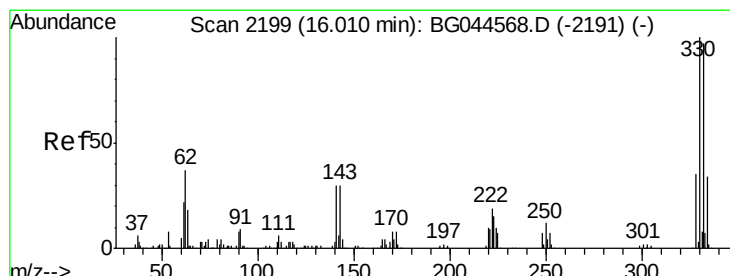
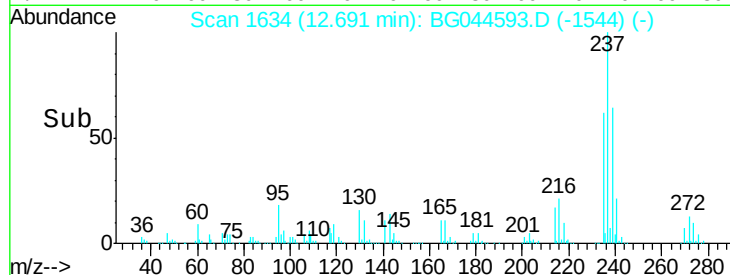
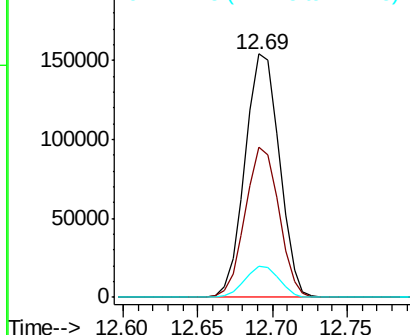
Tot Ion:	237	Resp:	245453
Ion Ratio	Lower	Upper	
237	100		
235	61.8	40.7	80.7
272	12.7	0.0	32.7

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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: 138.937 ng

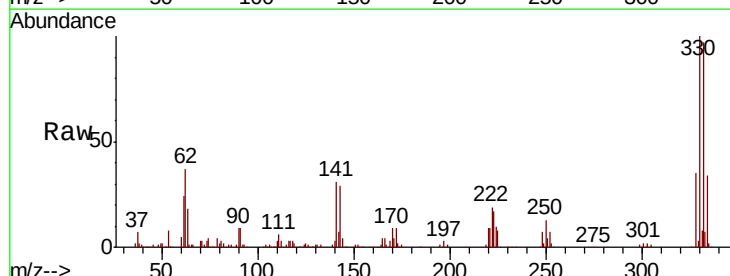
RT: 16.01 min Scan# 2199

Delta R.T. 0.00 min

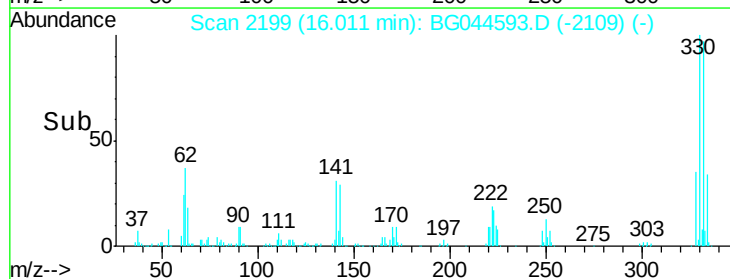
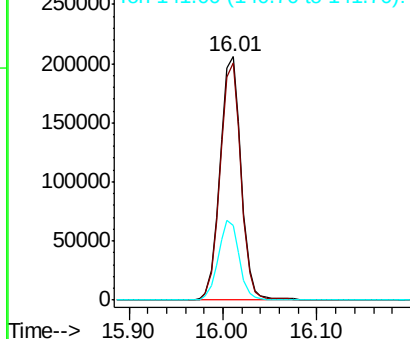
Lab File: BG044593.D

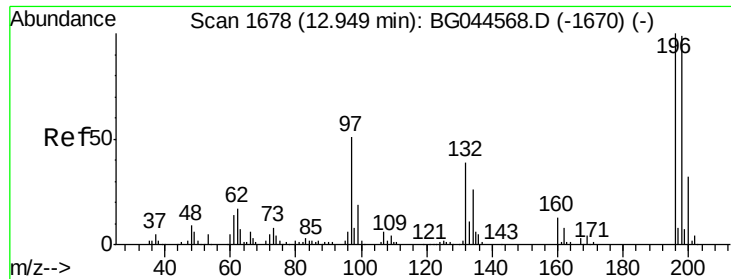
Acq: 26 Feb 2020 1:52

Tgt Ion:	330	Resp:	321777
Ion Ratio	Lower	Upper	
330	100		
332	96.6	77.4	116.0
141	32.6	26.1	39.1



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





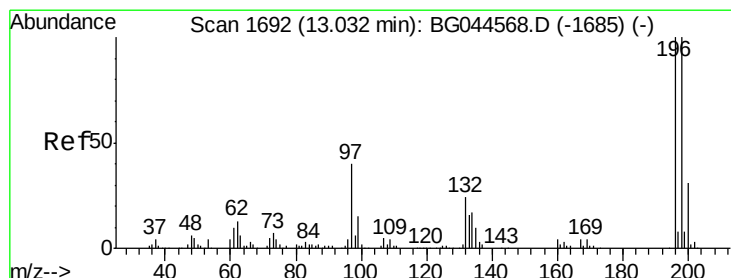
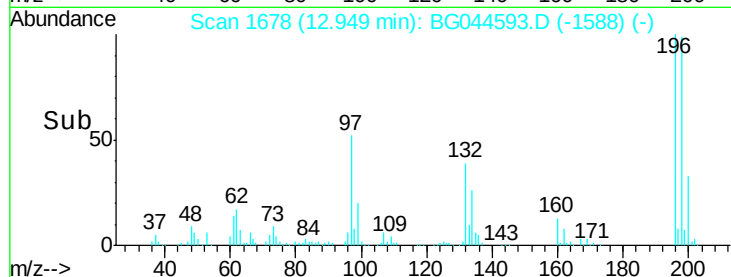
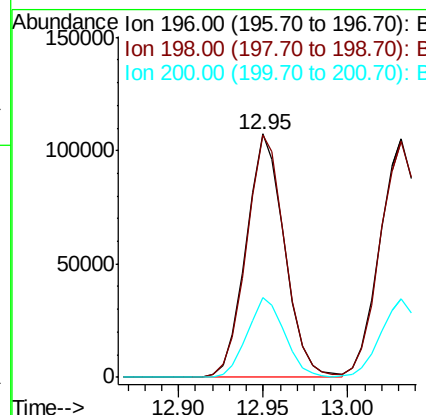
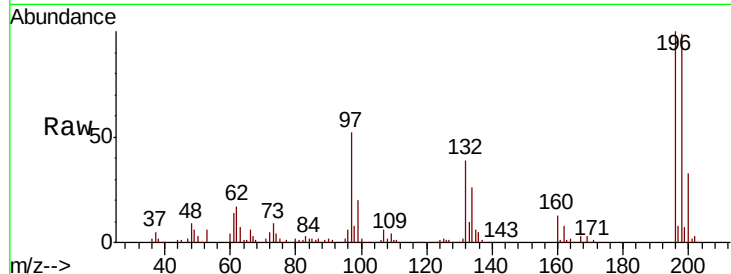
#43
 2,4,6-Trichlorophenol
 Concen: 47.459 ng
 RT: 12.95 min Scan# 1678
 Delta R.T. 0.00 min
 Lab File: BG044593.D
 Acq: 26 Feb 2020 1:52

Instrument :
 BNA_G
 ClientSampleId :
 HAM-WC-S-SB-010203MSD

Tot Ion	Ratio	Resp	Lower	Upper
196	100	169445		
198	99.4	79.2	118.8	
200	32.5	25.7	38.5	

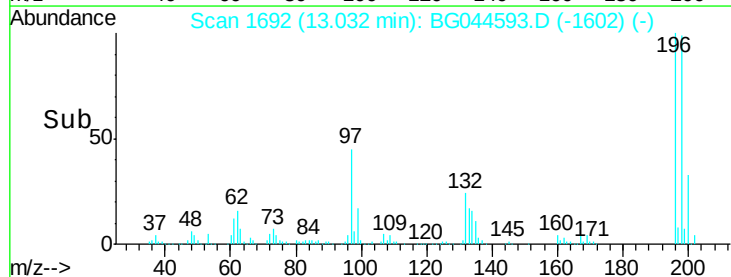
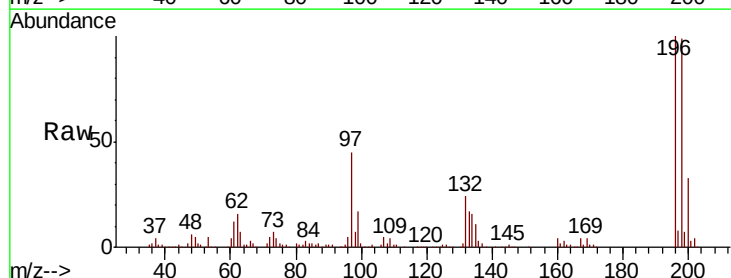
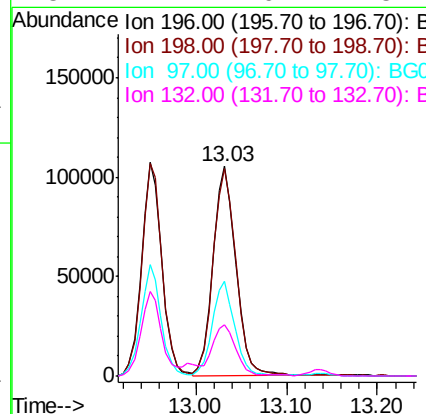
Manual Integrations
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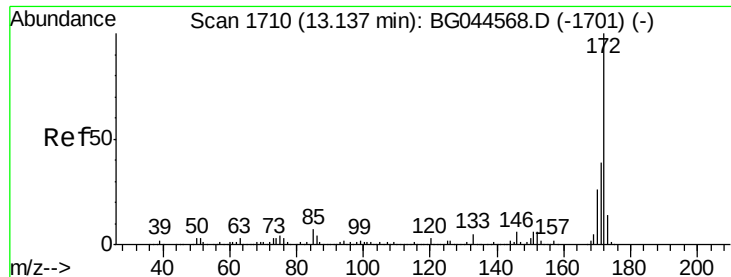
mohammad
 2/27/2020 5:03:14 PM



#44
 2,4,5-Trichlorophenol
 Concen: 50.459 ng
 RT: 13.03 min Scan# 1692
 Delta R.T. 0.00 min
 Lab File: BG044593.D
 Acq: 26 Feb 2020 1:52

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	185068		
198	98.8	79.3	118.9	
97	45.5	32.3	48.5	
132	24.2	19.1	28.7	





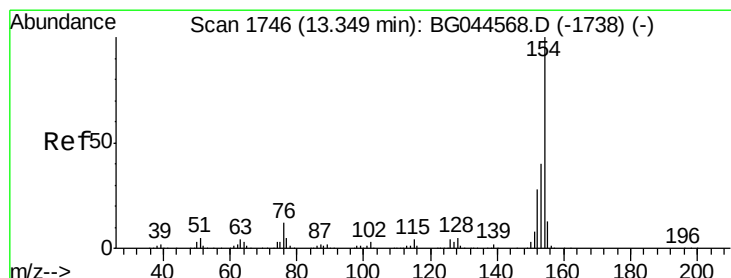
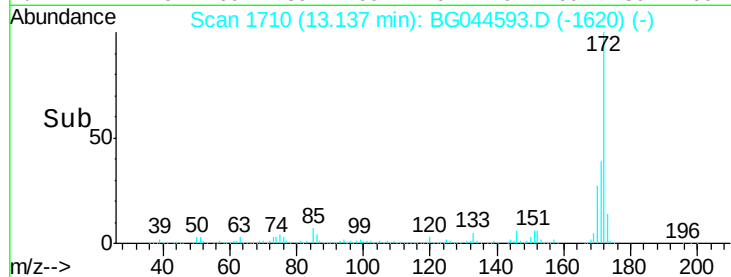
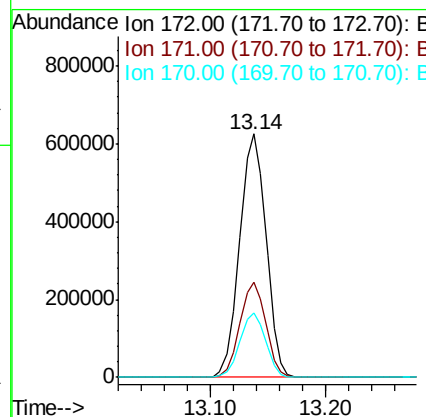
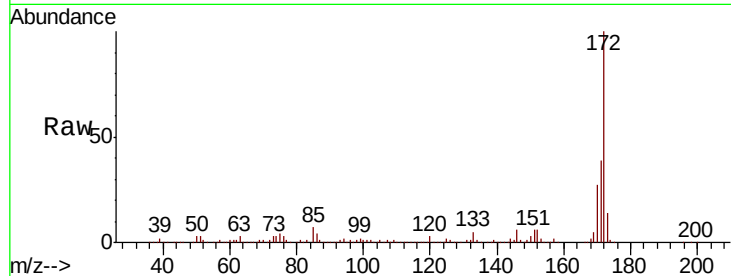
#45
2-Fluorobiphenyl
Concen: 86.615 ng
RT: 13.14 min Scan# 1710
Delta R.T. 0.00 min
Lab File: BG044593.D
Acq: 26 Feb 2020 1:52

Instrument :
BNA_G
ClientSampleId :
HAM-WC-S-SB-010203MSD

Tot Ion	Ratio	Lower	Upper
172	100		
171	38.9	31.3	46.9
170	26.5	21.0	31.4

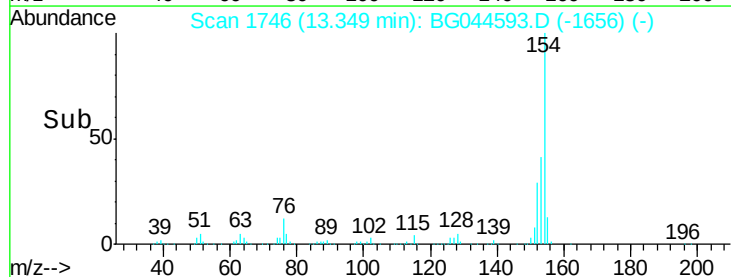
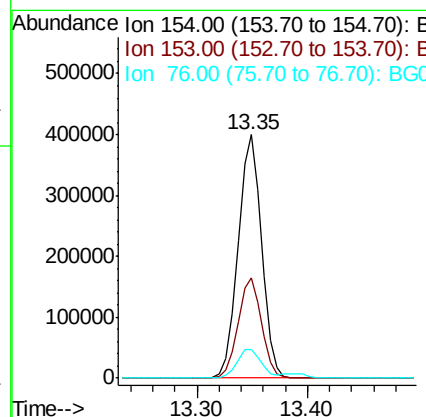
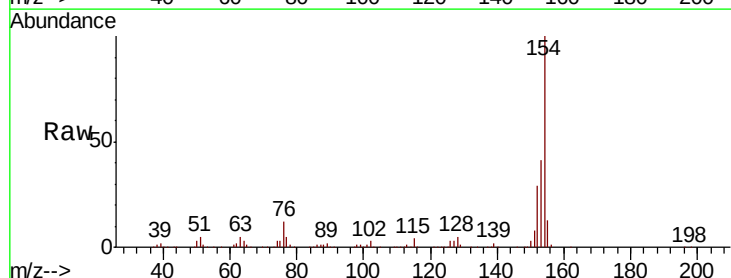
Manual Integrations
APPROVED

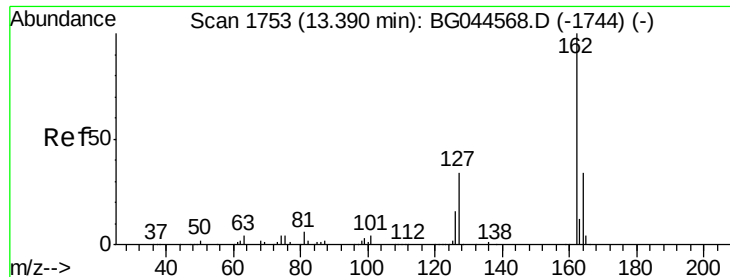
mohammad
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#46
1,1'-Biphenyl
Concen: 44.052 ng
RT: 13.35 min Scan# 1746
Delta R.T. 0.00 min
Lab File: BG044593.D
Acq: 26 Feb 2020 1:52

Tgt Ion	Ratio	Lower	Upper
154	100		
153	41.4	20.2	60.2
76	11.8	0.0	31.8





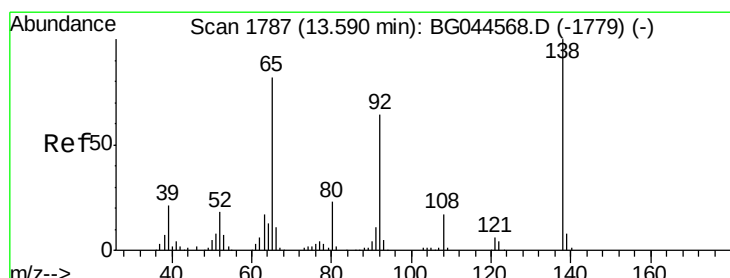
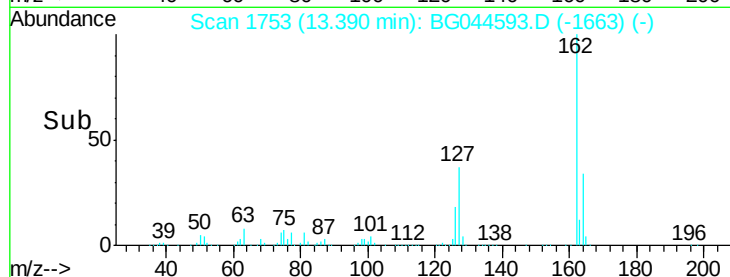
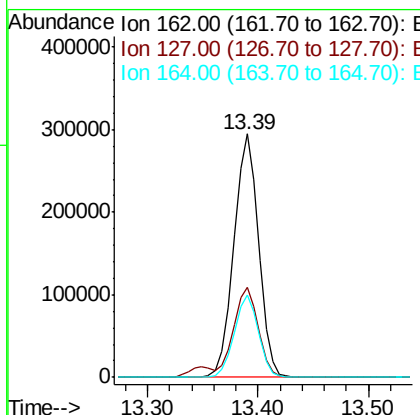
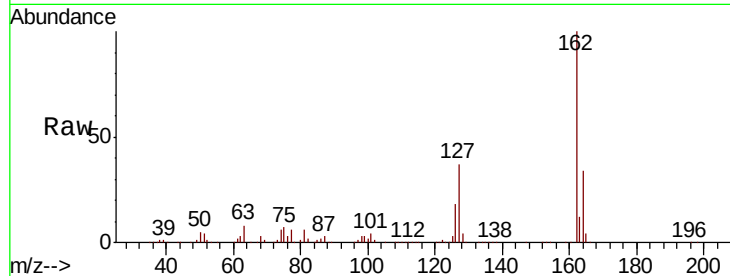
#47
2-Chloronaphthalene
Concen: 43.640 ng
RT: 13.39 min Scan# 1753
Delta R.T. 0.00 min
Lab File: BG044593.D
Acq: 26 Feb 2020 1:52

Instrument :
BNA_G
ClientSampleId :
HAM-WC-S-SB-010203MSD

Tot Ion	Ratio	Lower	Upper
162	100		
127	37.0	28.7	43.1
164	33.7	27.3	40.9

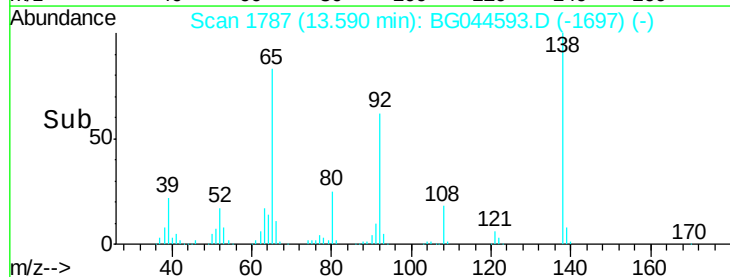
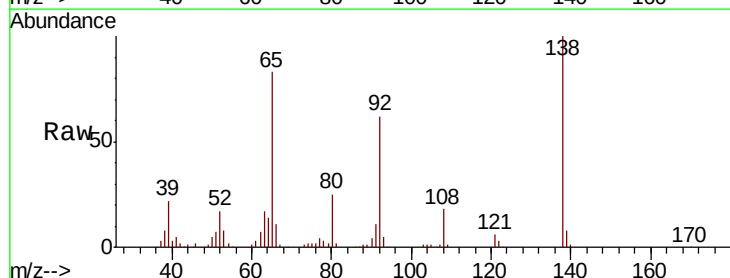
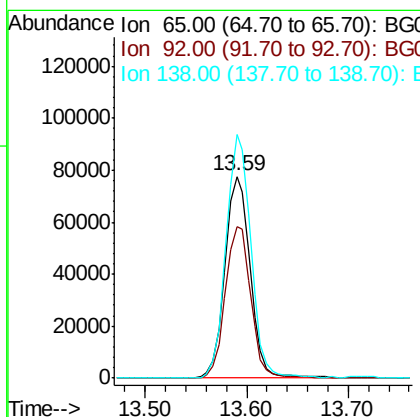
Manual Integrations
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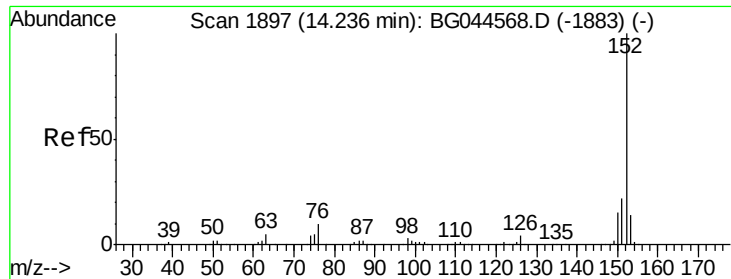
mohammad
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#48
2-Nitroaniline
Concen: 45.808 ng
RT: 13.59 min Scan# 1787
Delta R.T. 0.00 min
Lab File: BG044593.D
Acq: 26 Feb 2020 1:52

Tgt Ion	Ratio	Lower	Upper
65	100		
92	75.0	62.2	93.2
138	120.9	97.6	146.4





#49

Acenaphthylene

Concen: 47.213 ng

RT: 14.24 min Scan# 1897

Delta R.T. 0.00 min

Lab File: BG044593.D

Acq: 26 Feb 2020 1:52

Instrument :

BNA_G

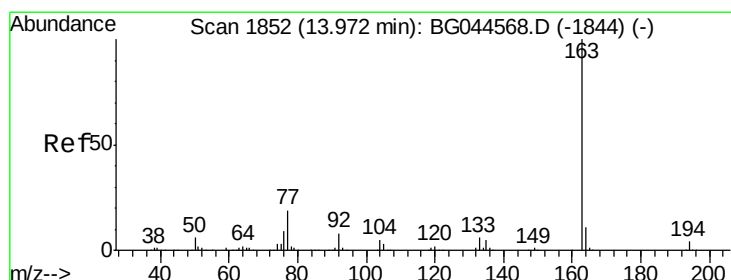
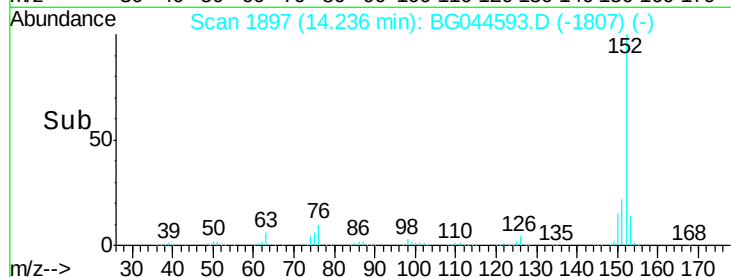
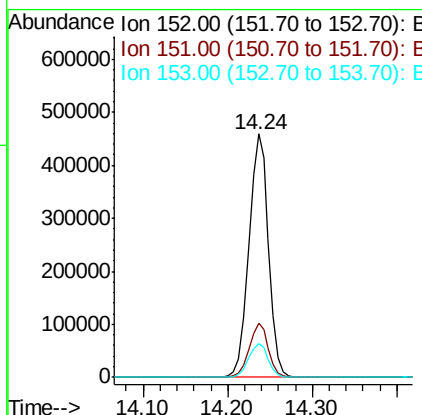
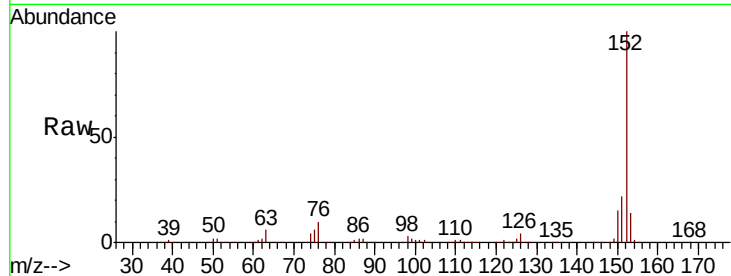
ClientSampleId :

HAM-WC-S-SB-010203MSD

Tot Ion:	152	Resp:	738693
Ion Ratio	Lower	Upper	
152	100		
151	22.3	17.7	26.5
153	14.0	11.3	16.9

Manual Integrations
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#50

Dimethylphthalate

Concen: 46.789 ng

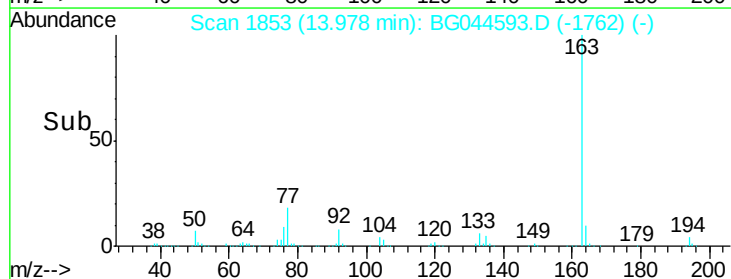
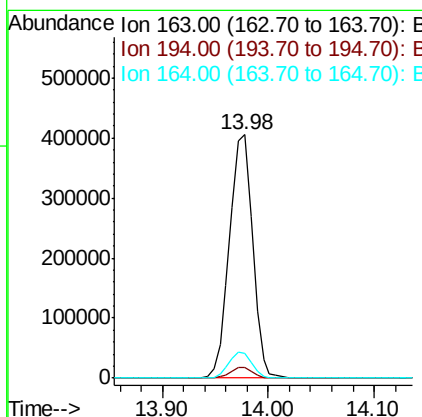
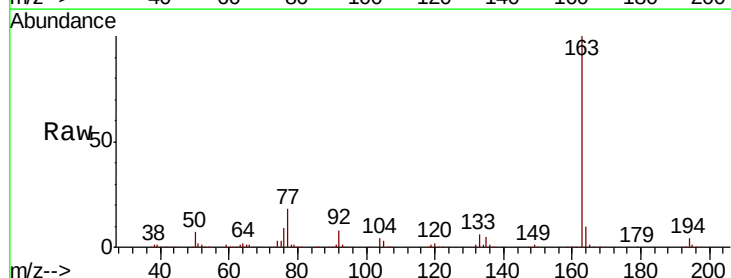
RT: 13.98 min Scan# 1853

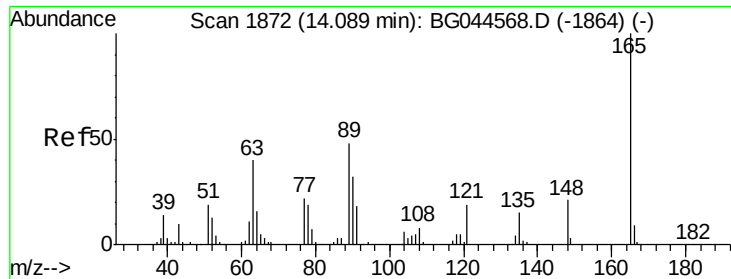
Delta R.T. 0.01 min

Lab File: BG044593.D

Acq: 26 Feb 2020 1:52

Tgt Ion:	163	Resp:	616837
Ion Ratio	Lower	Upper	
163	100		
194	4.4	3.4	5.0
164	10.3	8.7	13.1





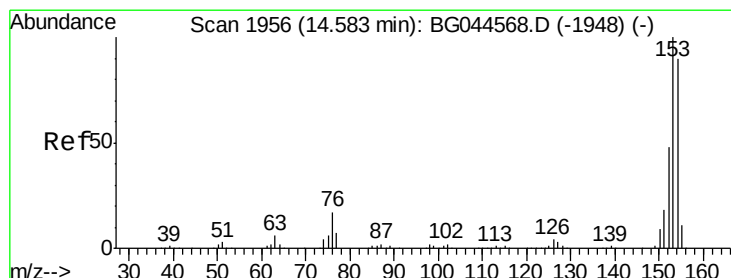
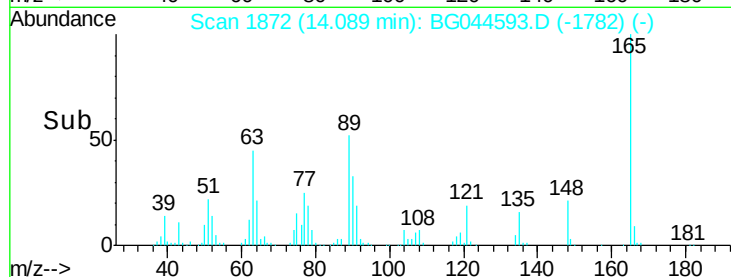
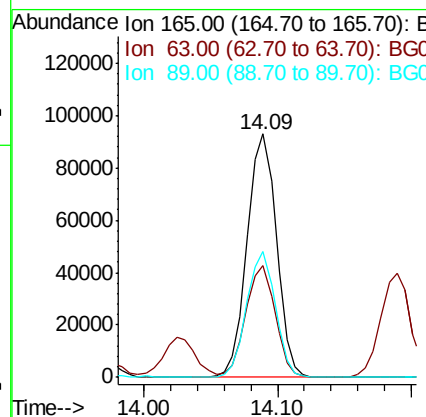
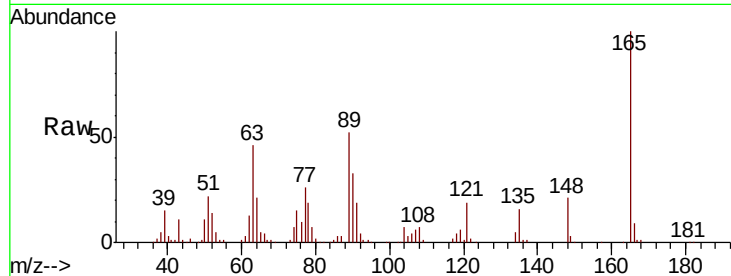
#51
 2,6-Dinitrotoluene
 Concen: 48.562 ng
 RT: 14.09 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: BG044593.D
 Acq: 26 Feb 2020 1:52

Instrument :
 BNA_G
 ClientSampleId :
 HAM-WC-S-SB-010203MSD

Tot Ion	Ratio	Lower	Upper
165	100		
63	45.9	35.8	53.6
89	51.6	38.7	58.1

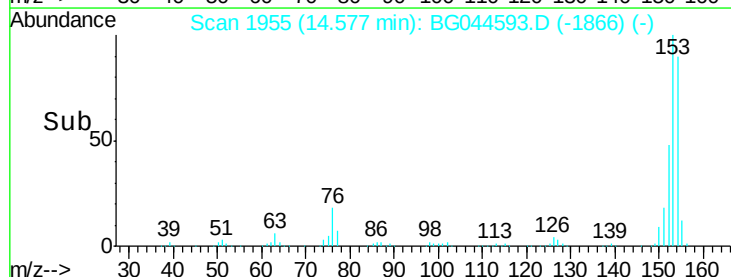
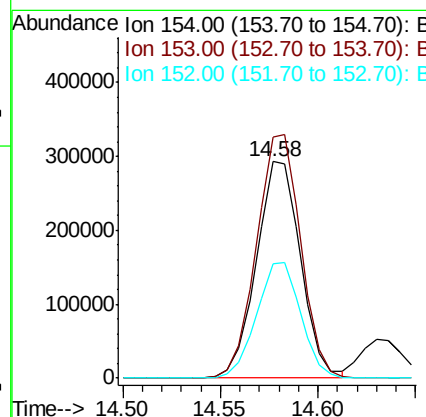
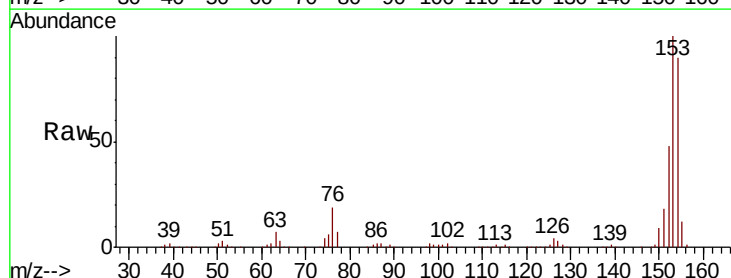
Manual Integrations
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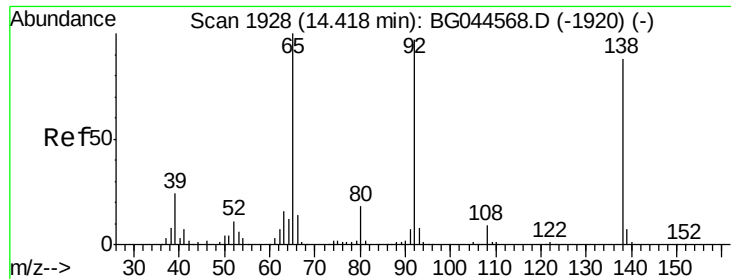
mohammad
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#52
 Acenaphthene
 Concen: 46.026 ng
 RT: 14.58 min Scan# 1955
 Delta R.T. -0.01 min
 Lab File: BG044593.D
 Acq: 26 Feb 2020 1:52

Tgt Ion	Ratio	Lower	Upper
154	100		
153	111.1	89.4	134.0
152	52.9	43.0	64.4





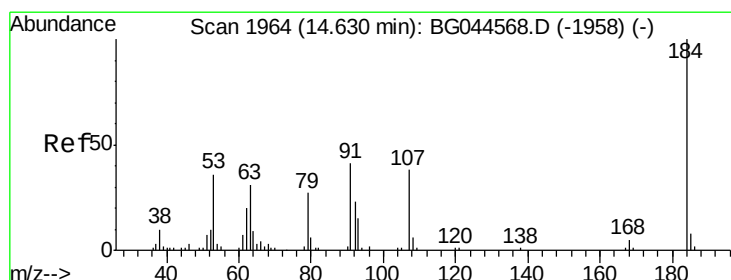
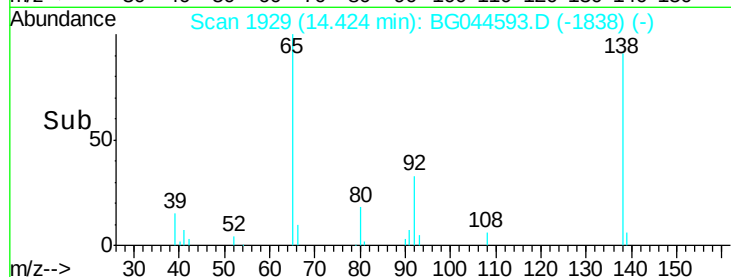
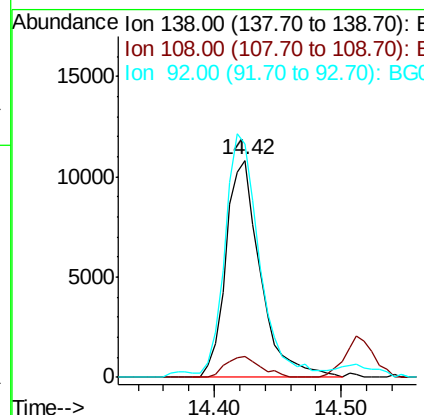
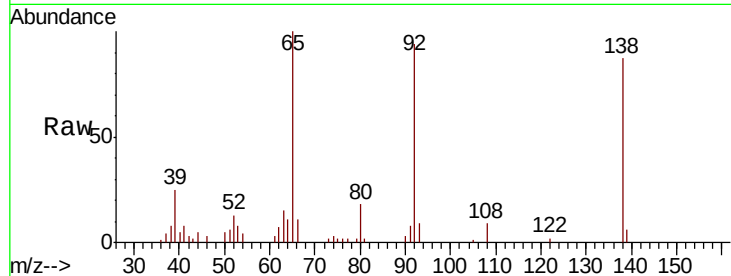
#53
3-Nitroaniline
Concen: 6.506 ng
RT: 14.42 min Scan# 1929
Delta R.T. 0.01 min
Lab File: BG044593.D
Acq: 26 Feb 2020 1:52

Instrument :
BNA_G
ClientSampleId :
HAM-WC-S-SB-010203MSD

Tot Ion	Ratio	Lower	Upper
138	100		
108	9.8	7.9	11.9
92	107.6	87.4	131.2

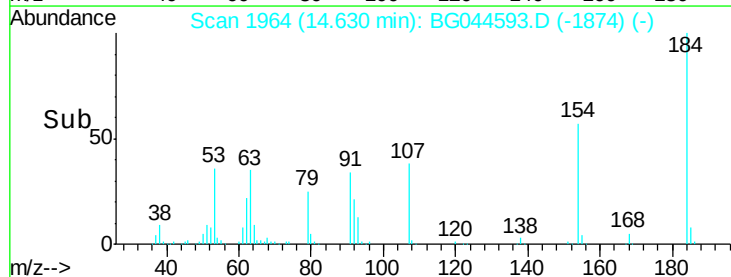
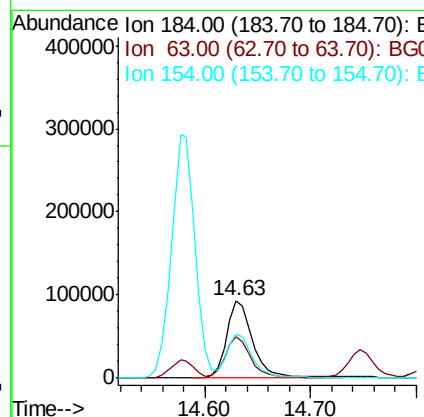
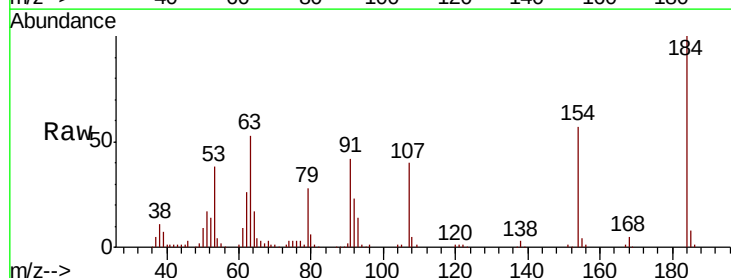
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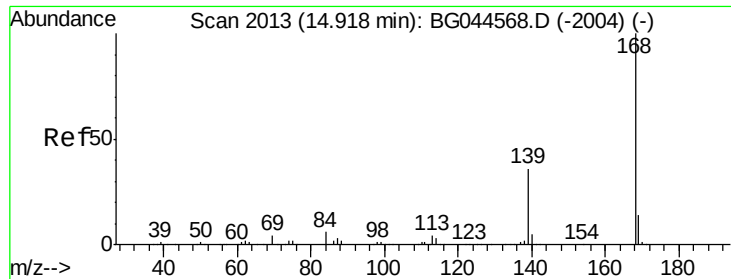
mohammad
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#54
2,4-Dinitrophenol
Concen: 91.428 ng
RT: 14.63 min Scan# 1964
Delta R.T. 0.00 min
Lab File: BG044593.D
Acq: 26 Feb 2020 1:52

Tgt Ion	Ratio	Lower	Upper
184	100		
63	53.5	42.1	63.1
154	57.4	43.4	65.2





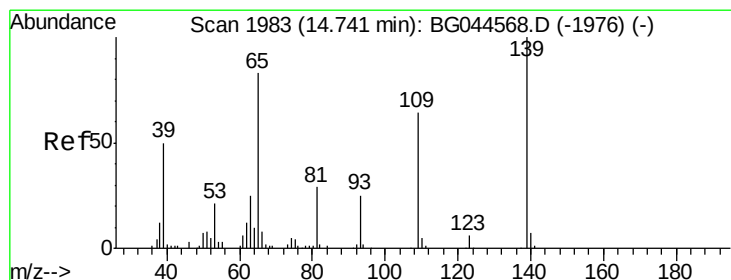
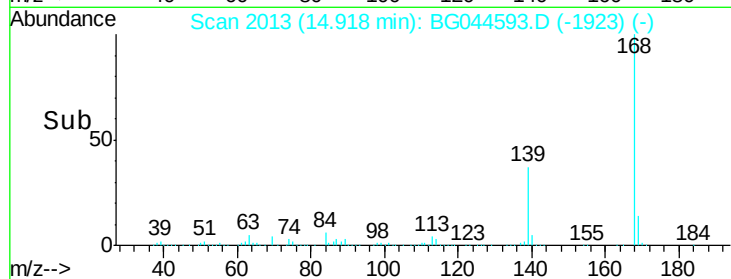
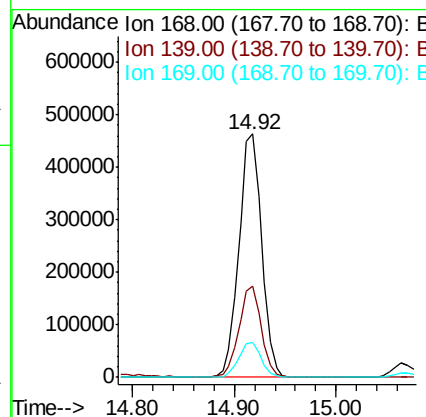
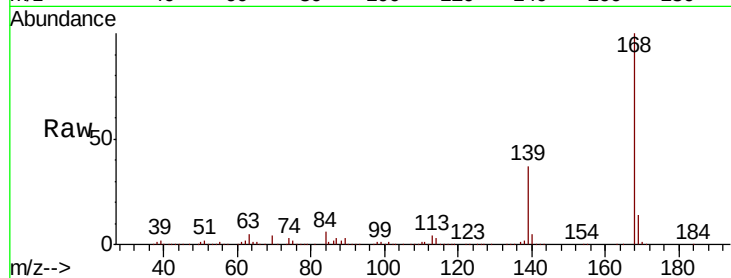
#55
Dibenzofuran
Concen: 47.171 ng
RT: 14.92 min Scan# 2013
Delta R.T. 0.00 min
Lab File: BG044593.D
Acq: 26 Feb 2020 1:52

Instrument :
BNA_G
ClientSampleId :
HAM-WC-S-SB-010203MSD

Tot Ion	Ratio	Lower	Upper
168	100		
139	37.5	29.2	43.8
169	14.4	11.0	16.6

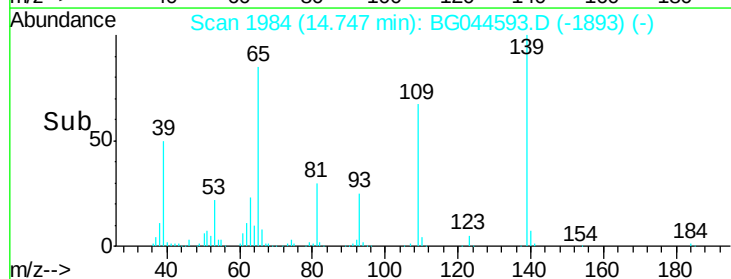
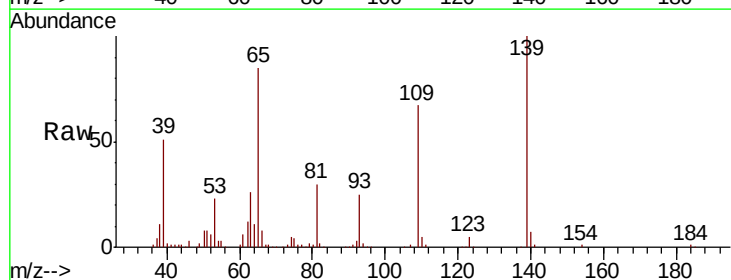
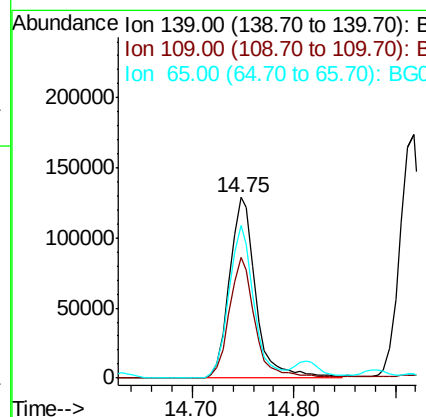
Manual Integrations
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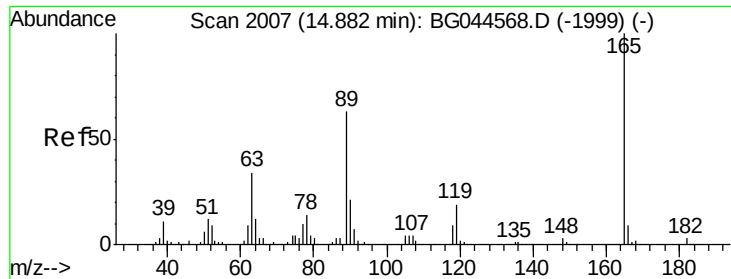
mohammad
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#56
4-Nitrophenol
Concen: 107.790 ng
RT: 14.75 min Scan# 1984
Delta R.T. 0.01 min
Lab File: BG044593.D
Acq: 26 Feb 2020 1:52

Tgt Ion	Ratio	Lower	Upper
139	100		
109	67.1	43.8	83.8
65	84.8	63.6	103.6





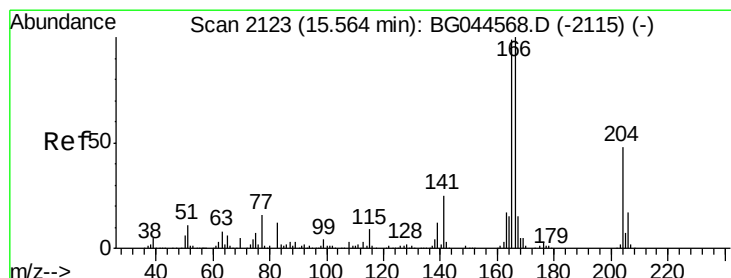
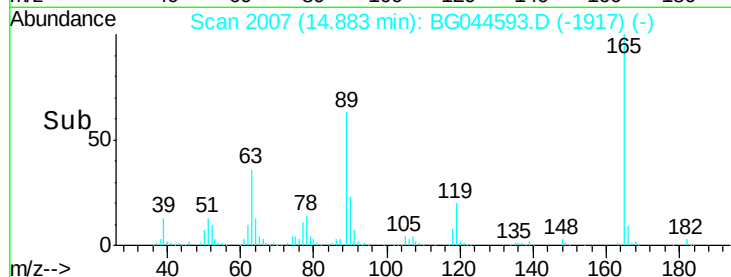
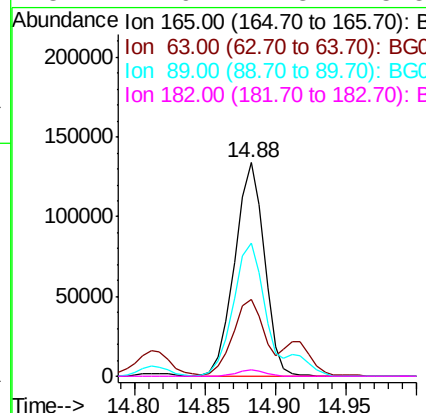
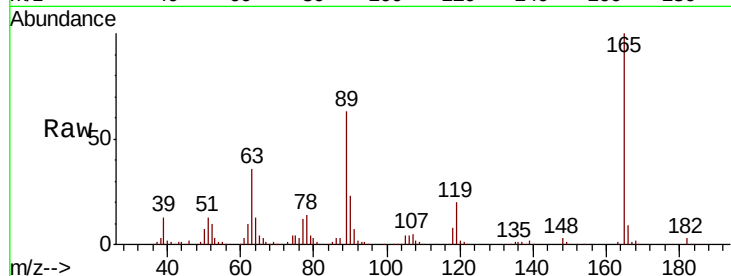
#57
 2,4-Dinitrotoluene
 Concen: 48.187 ng
 RT: 14.88 min Scan# 2007
 Delta R.T. 0.00 min
 Lab File: BG044593.D
 Acq: 26 Feb 2020 1:52

Instrument :
 BNA_G
 ClientSampleId :
 HAM-WC-S-SB-010203MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
165	100		196976		
63	36.2	27.5	41.3		
89	62.5	50.0	75.0		
182	2.9	2.3	3.5		

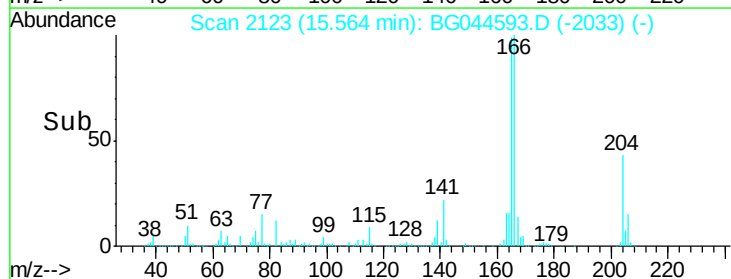
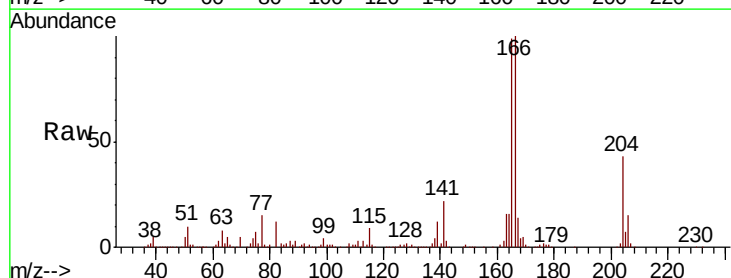
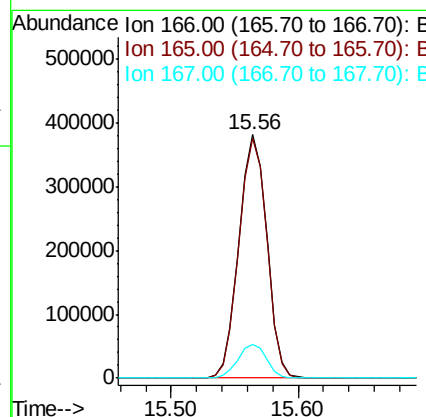
Manual Integrations
 APPROVED

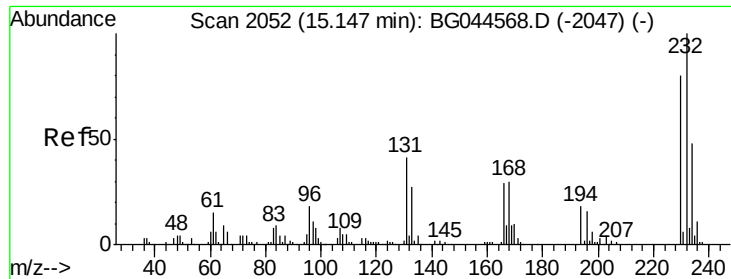
mohammad
 2/27/2020 5:03:14 PM



#58
 Fluorene
 Concen: 47.901 ng
 RT: 15.56 min Scan# 2123
 Delta R.T. 0.00 min
 Lab File: BG044593.D
 Acq: 26 Feb 2020 1:52

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
166	100		580715		
165	98.7	79.2	118.8		
167	13.7	11.7	17.5		





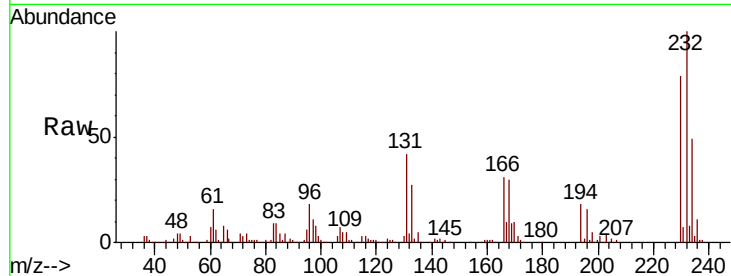
#59
2,3,4,6-Tetrachlorophenol
Concen: 48.771 ng
RT: 15.15 min Scan# 2052
Delta R.T. 0.00 min
Lab File: BG044593.D
Acq: 26 Feb 2020 1:52

Instrument :
BNA_G
ClientSampleId :
HAM-WC-S-SB-010203MSD

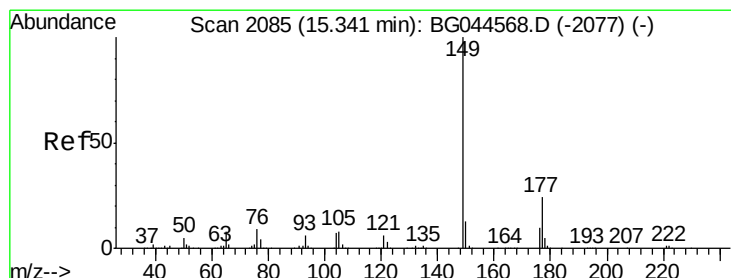
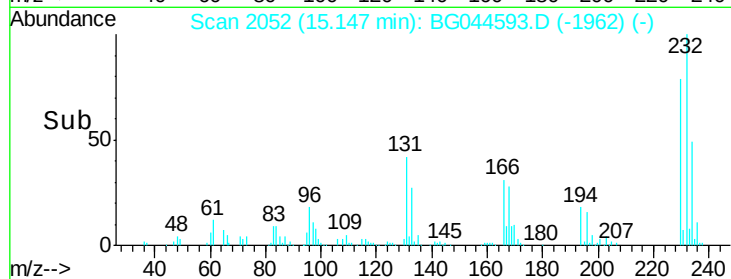
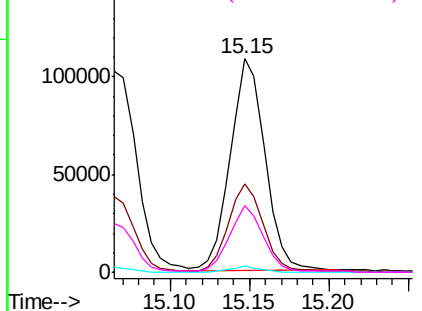
Tot Ion	Ratio	Resp	Lower	Upper
232	100	164724		
131	42.5	31.8	47.6	
130	2.5	1.8	2.6	
166	30.6	22.7	34.1	

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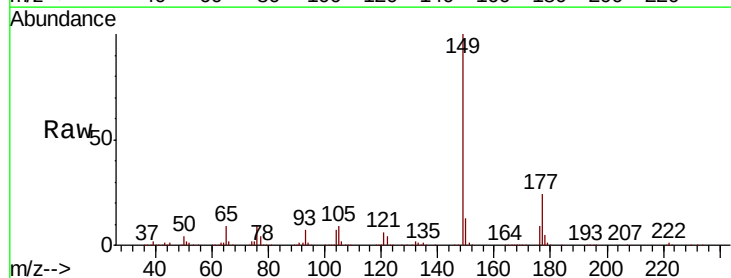


Abundance Ion 232.00 (231.70 to 232.70): E
Ion 131.00 (130.70 to 131.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 166.00 (165.70 to 166.70): E

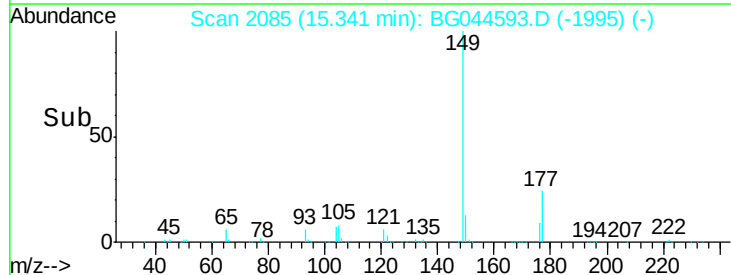
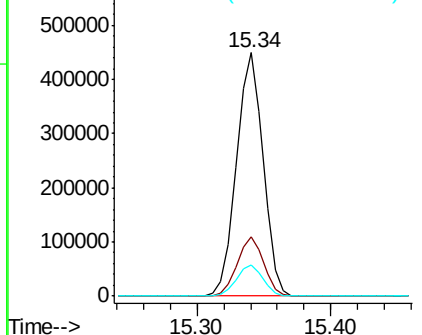


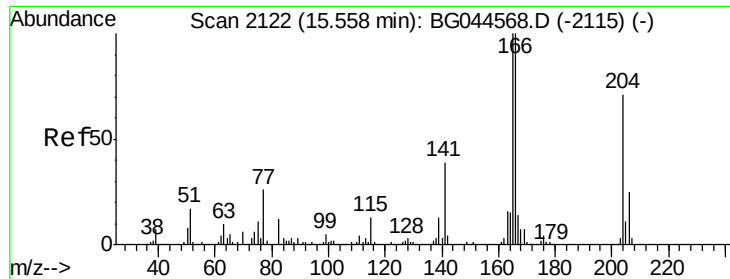
#60
Diethylphthalate
Concen: 47.591 ng
RT: 15.34 min Scan# 2085
Delta R.T. 0.00 min
Lab File: BG044593.D
Acq: 26 Feb 2020 1:52

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	621661		
177	24.1	19.2	28.8	
150	12.6	10.2	15.4	



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





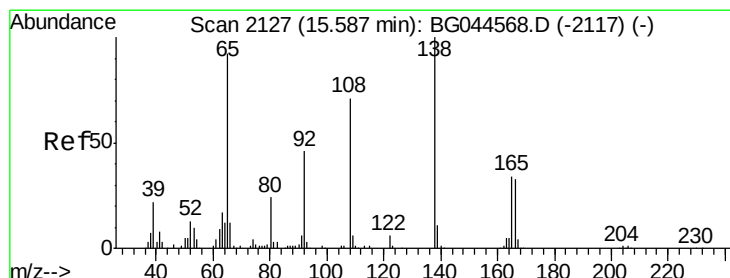
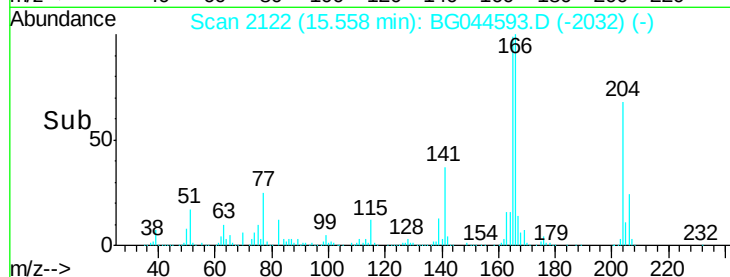
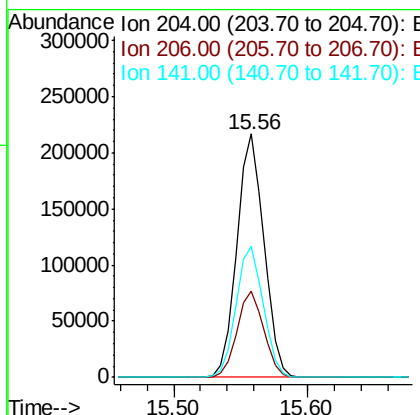
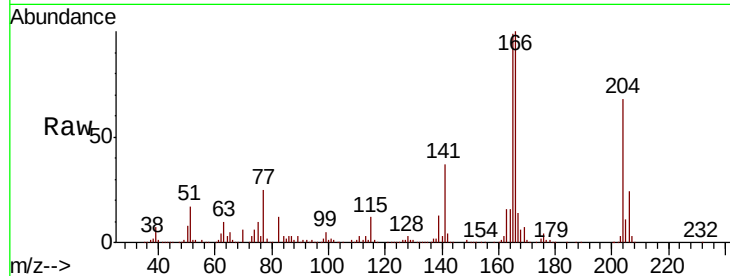
#61
4-Chlorophenyl-phenylether
Concen: 46.178 ng
RT: 15.56 min Scan# 2122
Delta R.T. 0.00 min
Lab File: BG044593.D
Acq: 26 Feb 2020 1:52

Instrument :
BNA_G
ClientSampleId :
HAM-WC-S-SB-010203MSD

Tot Ion	Ratio	Lower	Upper
204	100		
206	35.3	27.8	41.8
141	54.0	43.8	65.8

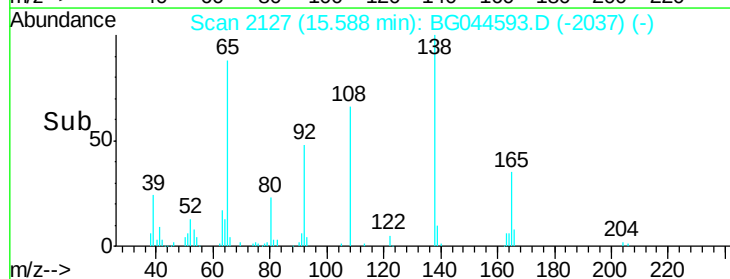
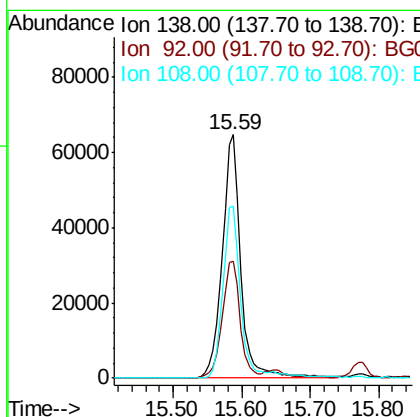
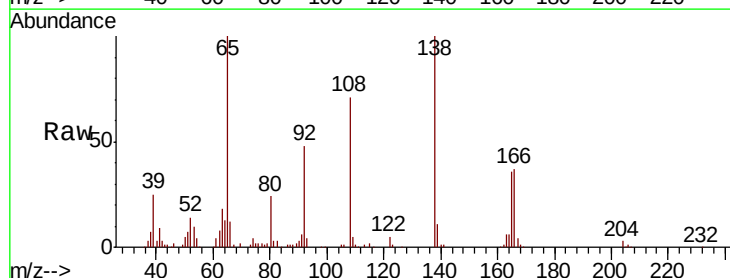
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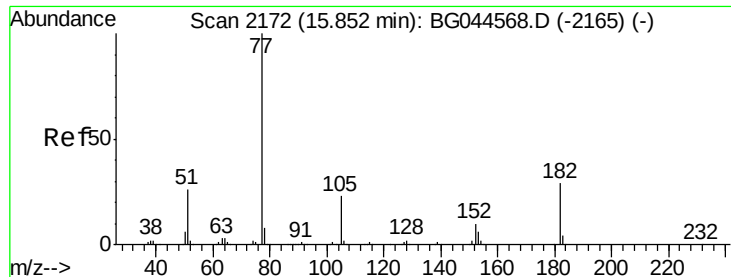
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#62
4-Nitroaniline
Concen: 38.992 ng
RT: 15.59 min Scan# 2127
Delta R.T. 0.00 min
Lab File: BG044593.D
Acq: 26 Feb 2020 1:52

Tgt Ion	Ratio	Lower	Upper
138	100		
92	48.2	26.4	66.4
108	70.5	50.5	90.5





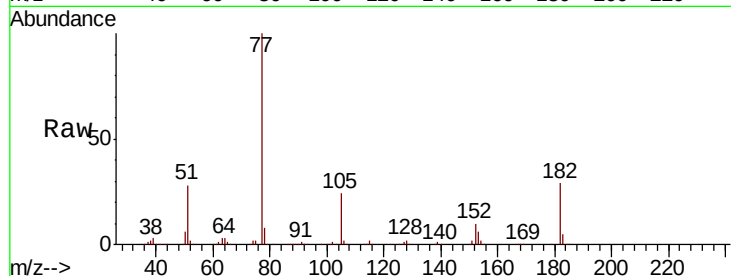
#63
Azobenzene
Concen: 48.589 ng
RT: 15.85 min Scan# 2172
Delta R.T. 0.00 min
Lab File: BG044593.D
Acq: 26 Feb 2020 1:52

Instrument :
BNA_G
ClientSampleId :
HAM-WC-S-SB-010203MSD

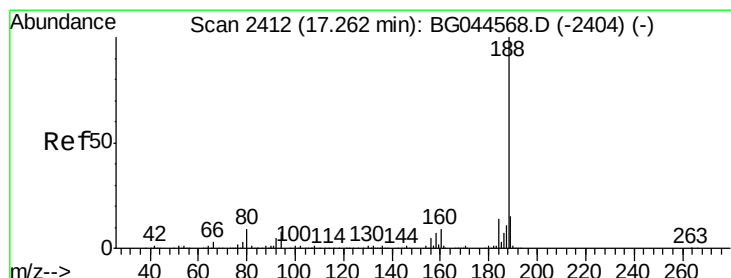
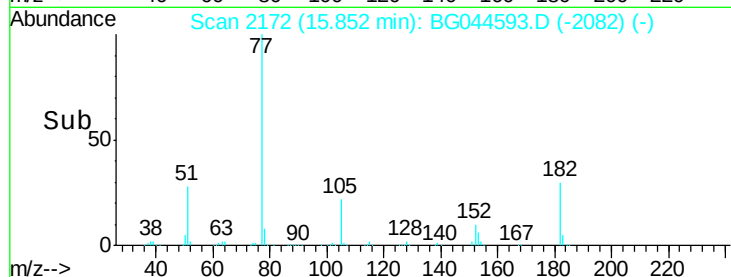
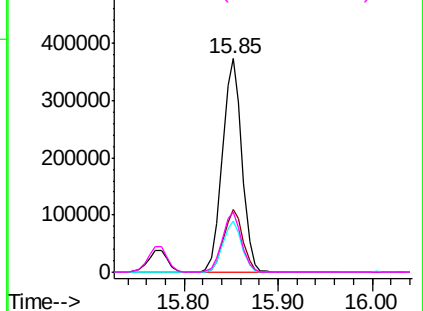
Tot Ion	Ion	Ratio	Resp	Lower	Upper
77	100		540156		
182	29.3	9.4	49.4		
105	23.7	3.4	43.4		
51	28.0	6.4	46.4		

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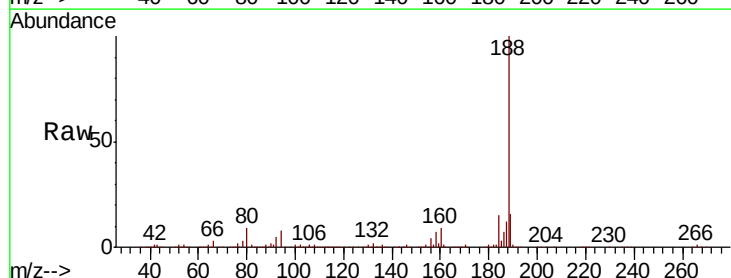


Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 182.00 (181.70 to 182.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 51.00 (50.70 to 51.70): BGC

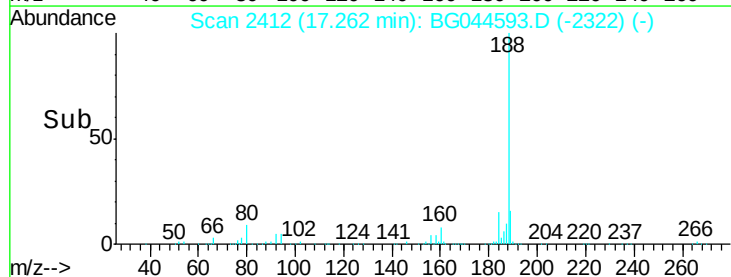
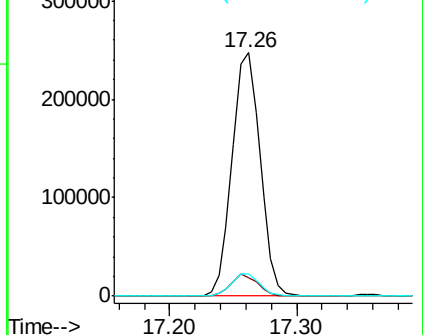


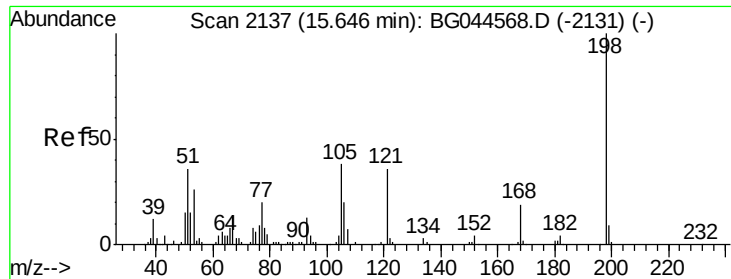
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.26 min Scan# 2412
Delta R.T. 0.00 min
Lab File: BG044593.D
Acq: 26 Feb 2020 1:52

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100		379668		
94	7.8	6.7	10.1		
80	8.9	7.6	11.4		



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: 51.850 ng

RT: 15.65 min Scan# 2137

Delta R.T. 0.00 min

Lab File: BG044593.D

Acq: 26 Feb 2020 1:52

Instrument :

BNA_G

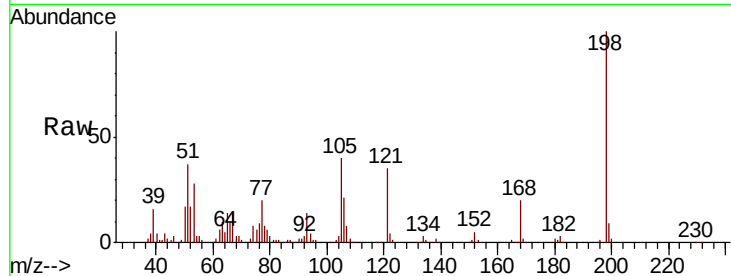
ClientSampleId :

HAM-WC-S-SB-010203MSD

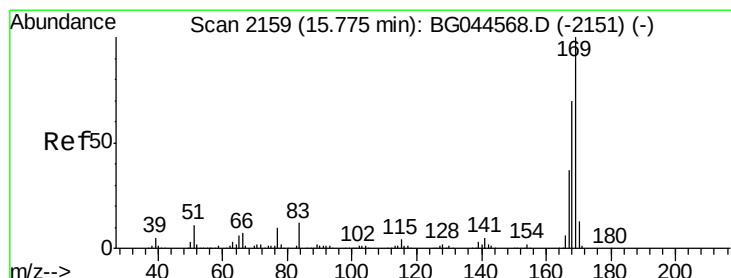
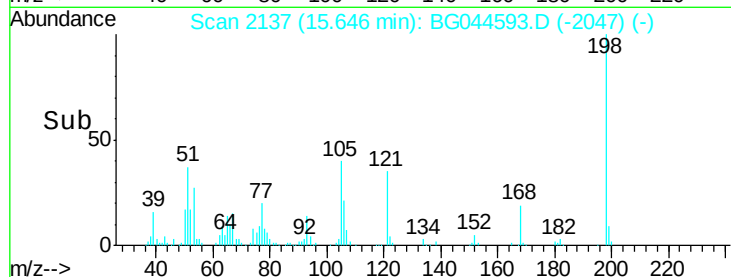
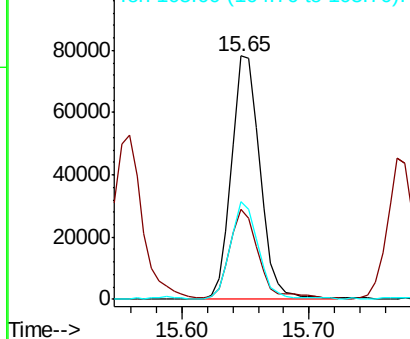
Tot Ion:	198	Resp:	121893
Ion Ratio	Lower	Upper	
198	100		
51	37.2	17.0	57.0
105	40.0	18.4	58.4

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



#66

n-Nitrosodiphenylamine

Concen: 45.892 ng

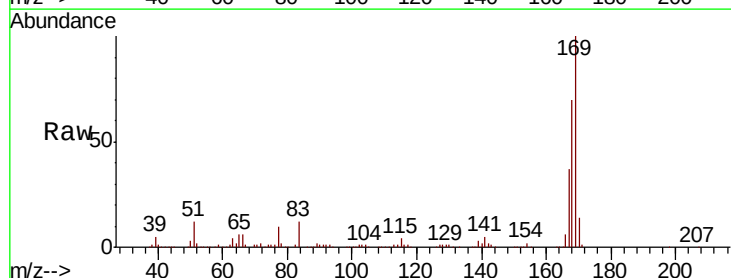
RT: 15.78 min Scan# 2159

Delta R.T. 0.00 min

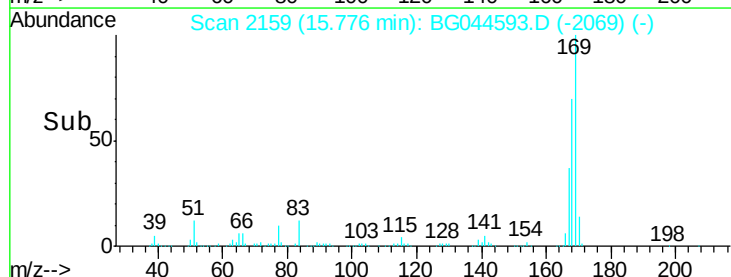
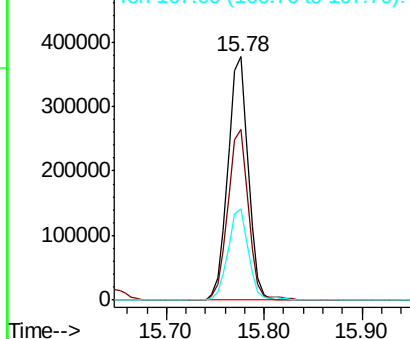
Lab File: BG044593.D

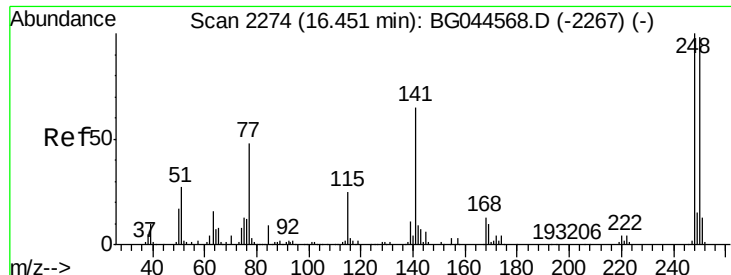
Acq: 26 Feb 2020 1:52

Tgt Ion:	169	Resp:	543495
Ion Ratio	Lower	Upper	
169	100		
168	70.2	56.1	84.1
167	37.4	29.4	44.0



Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E





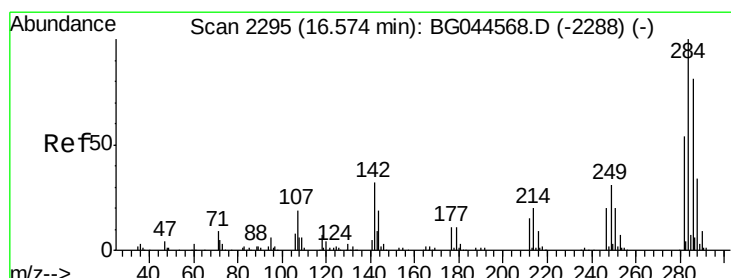
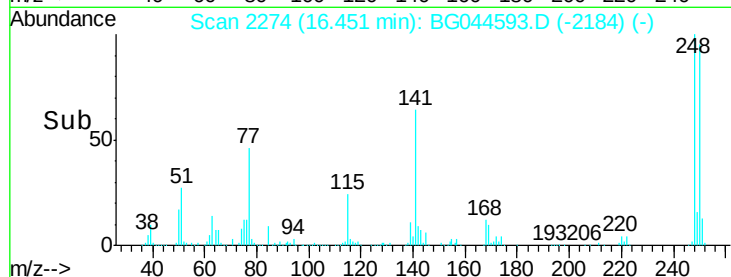
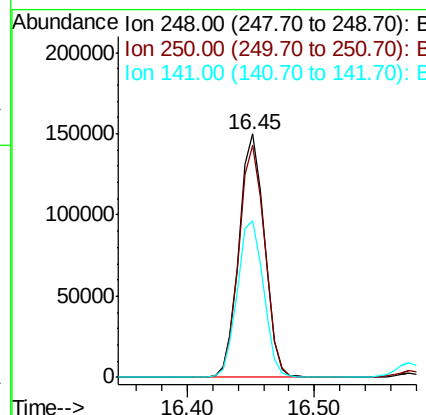
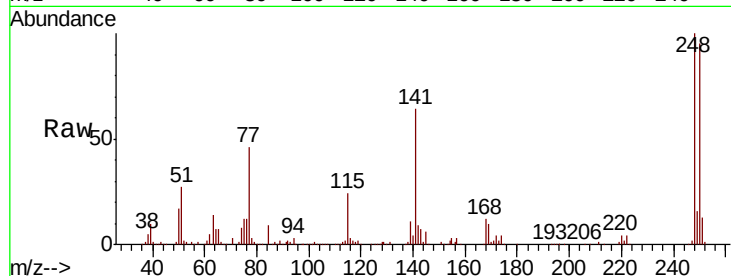
#67
4-Bromophenyl-phenylether
Concen: 44.050 ng
RT: 16.45 min Scan# 2274
Delta R.T. 0.00 min
Lab File: BG044593.D
Acq: 26 Feb 2020 1:52

Instrument :
BNA_G
ClientSampleId :
HAM-WC-S-SB-010203MSD

Tot Ion	Ratio	Lower	Upper
248	100		
250	95.3	78.7	118.1
141	64.5	52.3	78.5

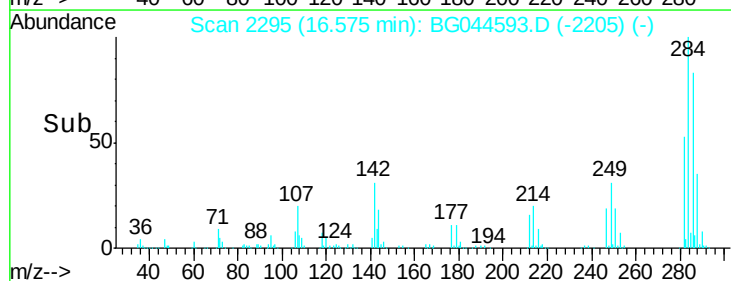
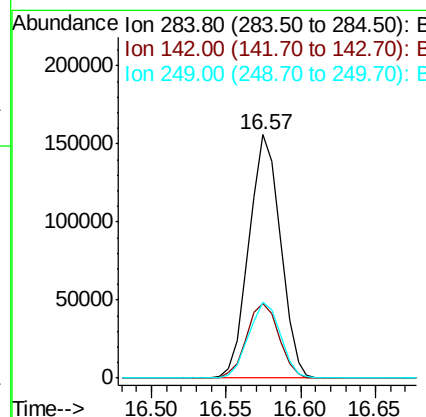
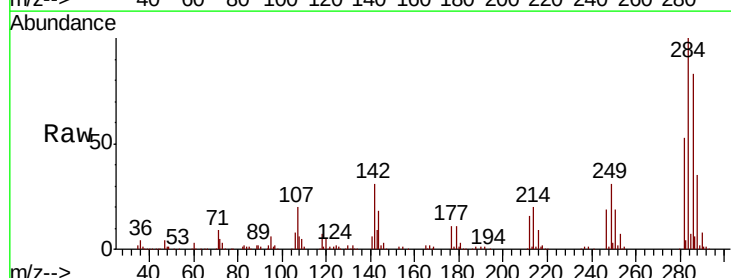
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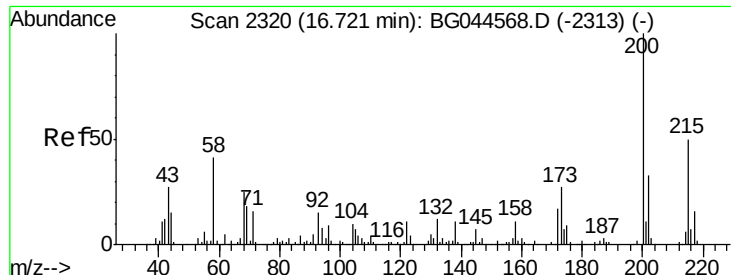
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#68
Hexachlorobenzene
Concen: 42.716 ng
RT: 16.57 min Scan# 2295
Delta R.T. 0.00 min
Lab File: BG044593.D
Acq: 26 Feb 2020 1:52

Tgt Ion	Ratio	Lower	Upper
284	100		
142	30.7	25.6	38.4
249	31.5	24.6	36.8





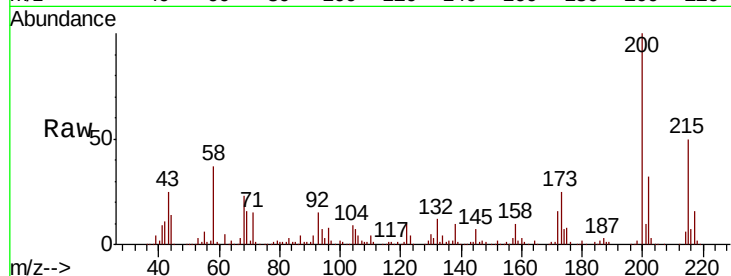
#69
 Atrazine
 Concen: 45.810 ng
 RT: 16.73 min Scan# 2321
 Delta R.T. 0.01 min
 Lab File: BG044593.D
 Acq: 26 Feb 2020 1:52

Instrument :
 BNA_G
 ClientSampleId :
 HAM-WC-S-SB-010203MSD

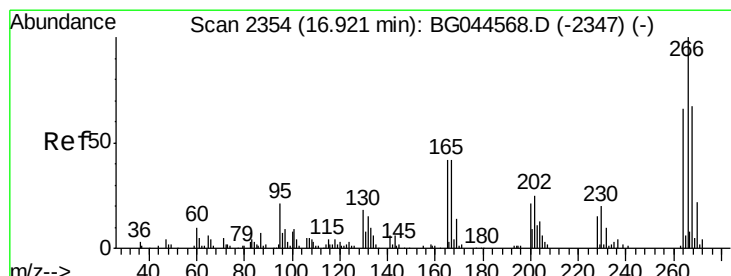
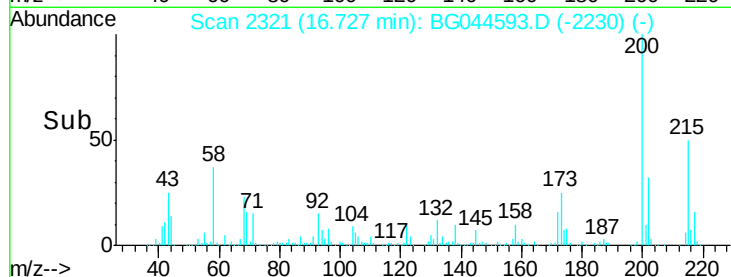
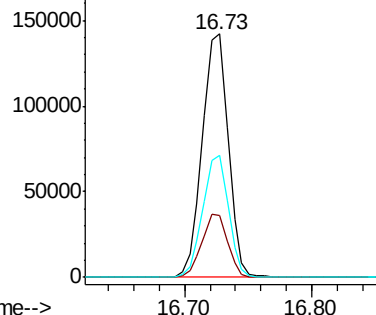
Tot Ion	Ratio	Resp Lower	Upper
200	100		
173	25.4	6.6	46.6
215	50.0	30.3	70.3

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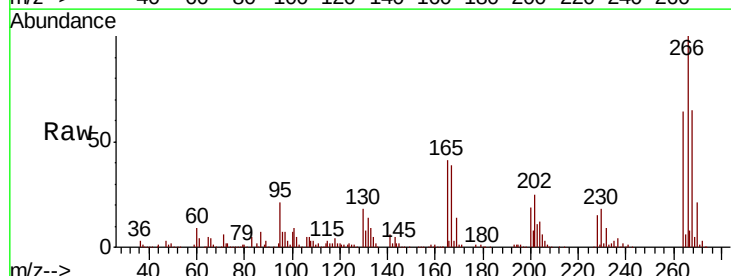


Abundance Ion 200.00 (199.70 to 200.70): E
 Ion 173.00 (172.70 to 173.70): E
 Ion 215.00 (214.70 to 215.70): E

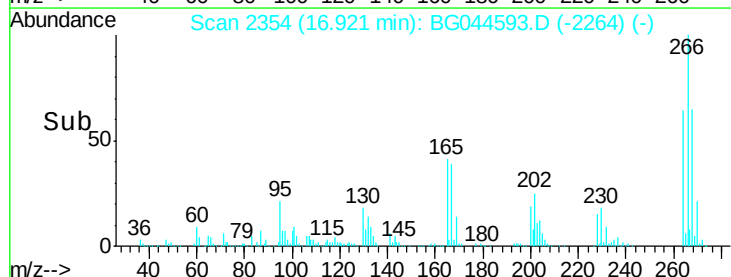
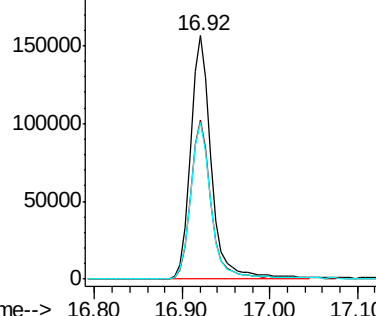


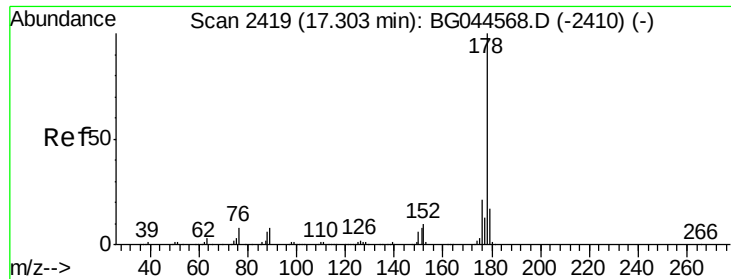
#70
 Pentachlorophenol
 Concen: 97.613 ng
 RT: 16.92 min Scan# 2354
 Delta R.T. 0.00 min
 Lab File: BG044593.D
 Acq: 26 Feb 2020 1:52

Tgt Ion	Ratio	Resp Lower	Upper
266	100		
268	65.4	53.4	80.0
264	64.1	53.0	79.4



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





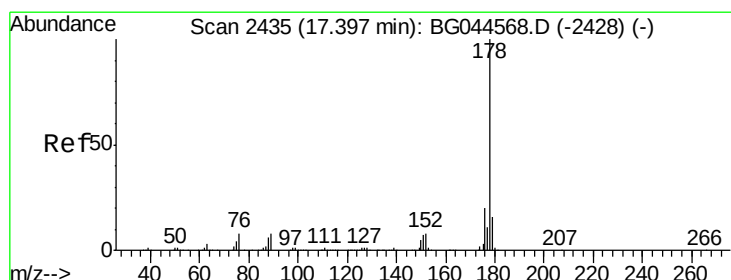
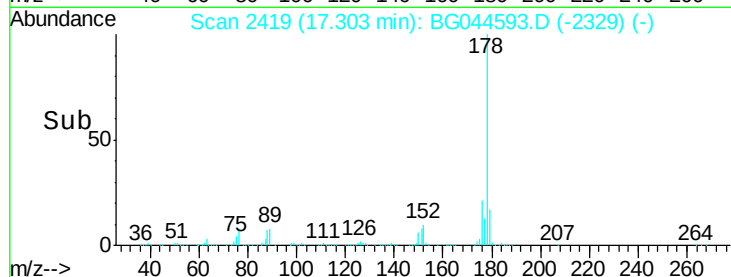
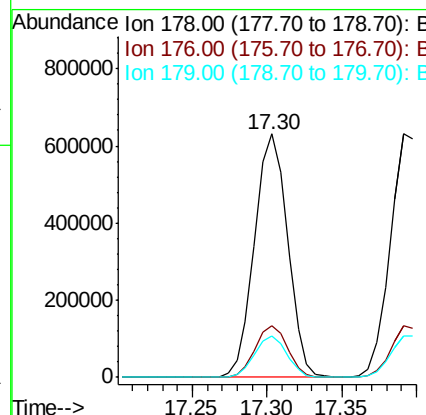
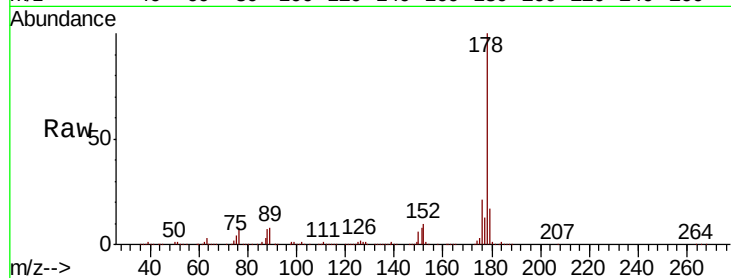
#71
Phenanthrene
Concen: 46.016 ng
RT: 17.30 min Scan# 2419
Delta R.T. 0.00 min
Lab File: BG044593.D
Acq: 26 Feb 2020 1:52

Instrument :
BNA_G
ClientSampleId :
HAM-WC-S-SB-010203MSD

Tot Ion	Ratio	Lower	Upper
178	100		
176	21.1	16.6	25.0
179	17.1	13.3	19.9

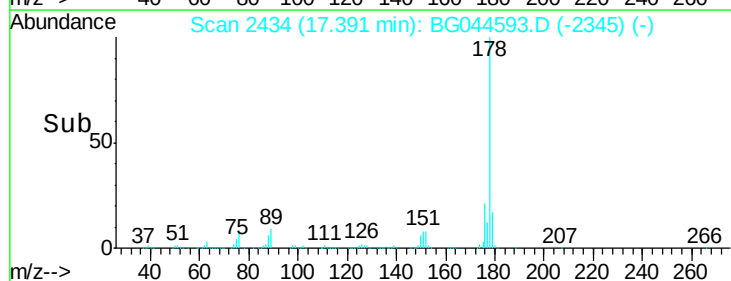
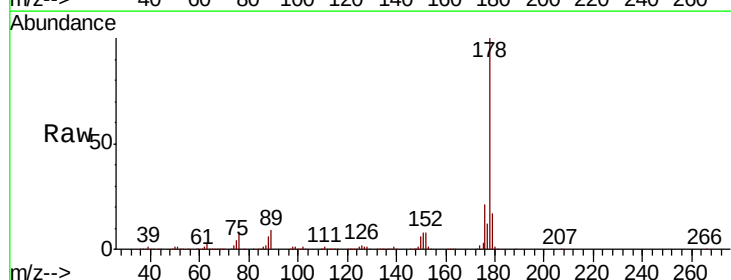
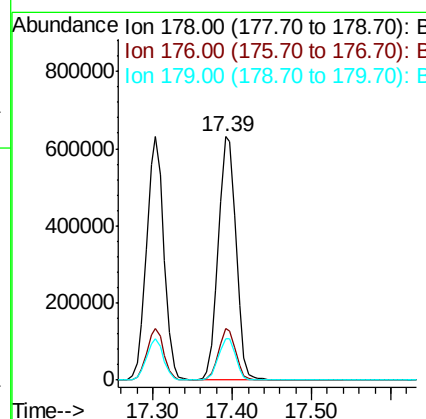
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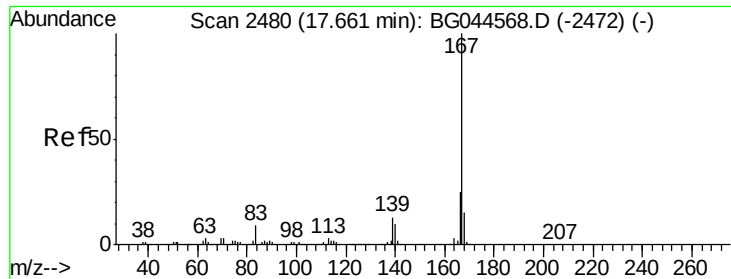
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#72
Anthracene
Concen: 47.261 ng
RT: 17.39 min Scan# 2434
Delta R.T. -0.01 min
Lab File: BG044593.D
Acq: 26 Feb 2020 1:52

Tgt Ion	Ratio	Lower	Upper
178	100		
176	21.0	15.9	23.9
179	17.1	13.1	19.7





#73

Carbazole

Concen: 48.006 ng

RT: 17.66 min Scan# 2480

Delta R.T. 0.00 min

Lab File: BG044593.D

Acq: 26 Feb 2020 1:52

Instrument :

BNA_G

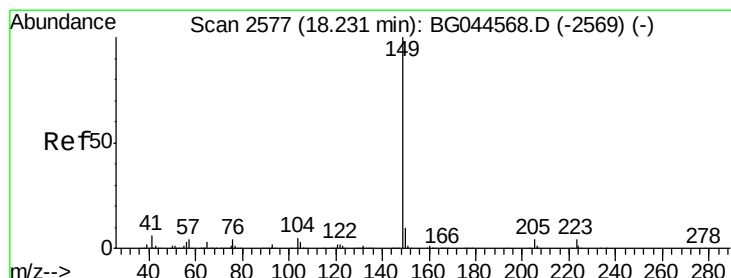
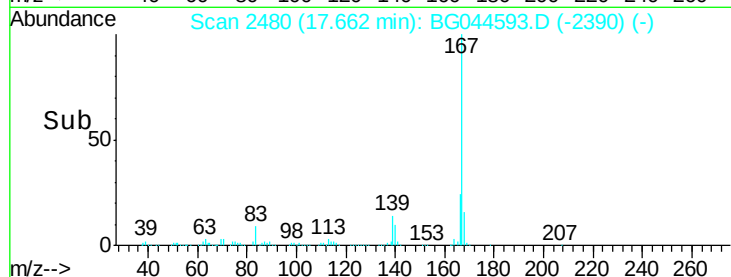
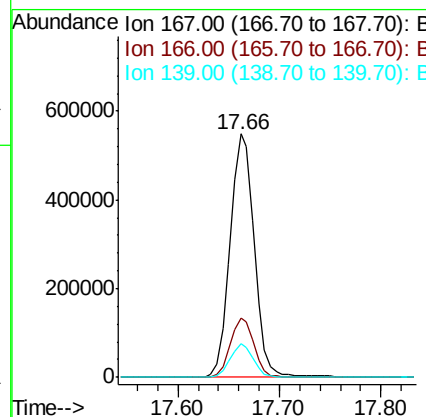
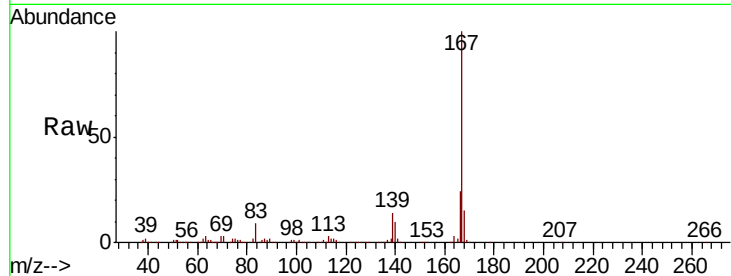
ClientSampleId :

HAM-WC-S-SB-010203MSD

Tot Ion:	167	Resp:	905167
Ion Ratio	Lower	Upper	
167	100		
166	24.3	19.7	29.5
139	13.8	10.6	15.8

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#74

Di-n-butylphthalate

Concen: 47.098 ng

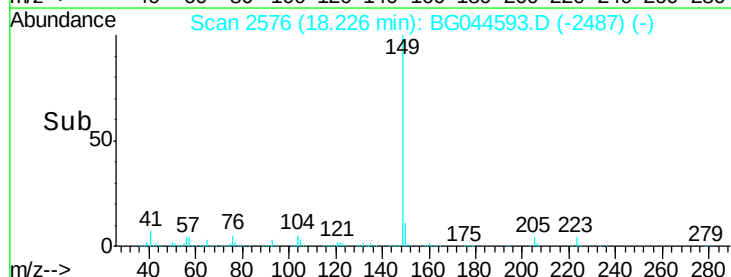
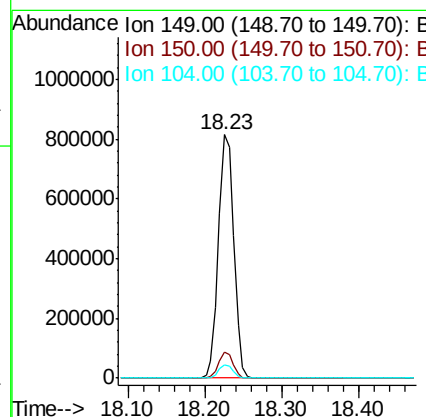
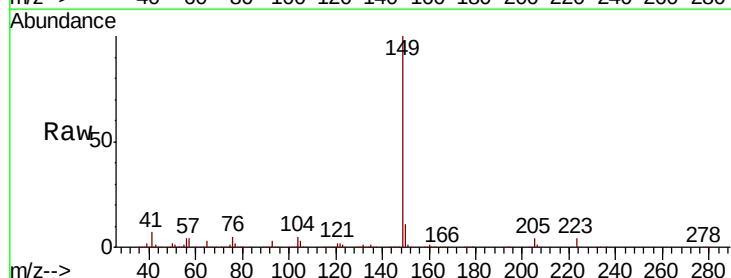
RT: 18.23 min Scan# 2576

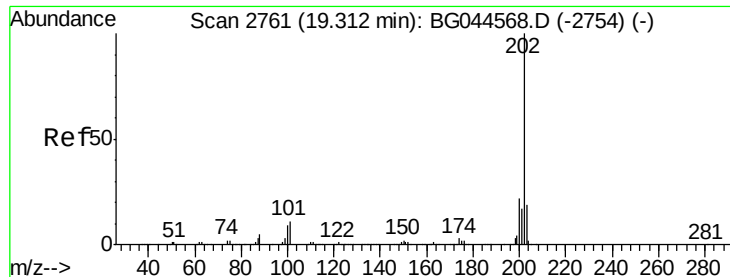
Delta R.T. -0.01 min

Lab File: BG044593.D

Acq: 26 Feb 2020 1:52

Tgt Ion:	149	Resp:	1112793
Ion Ratio	Lower	Upper	
149	100		
150	10.5	7.8	11.8
104	5.2	4.0	6.0





#75

Fluoranthene

Concen: 47.635 ng

RT: 19.31 min Scan# 2761

Delta R.T. 0.00 min

Lab File: BG044593.D

Acq: 26 Feb 2020 1:52

Instrument :

BNA_G

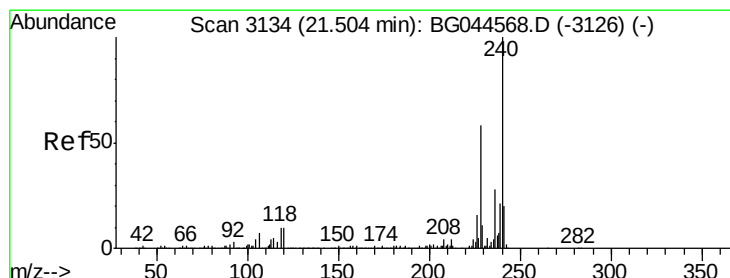
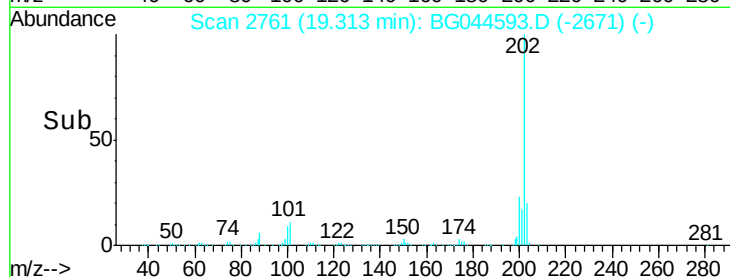
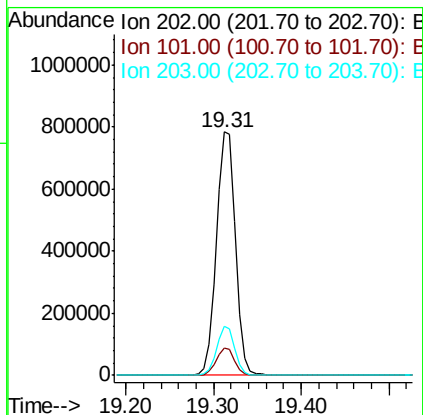
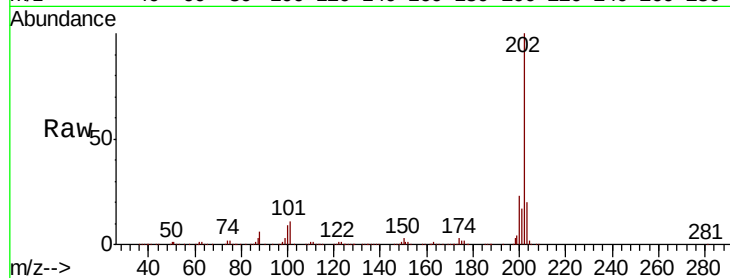
ClientSampleId :

HAM-WC-S-SB-010203MSD

Tot Ion:	202	Resp:	1185303
Ion	Ratio	Lower	Upper
202	100		
101	11.4	0.0	31.0
203	19.9	0.0	39.2

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#76

Chrysene-d12

Concen: 20.000 ng

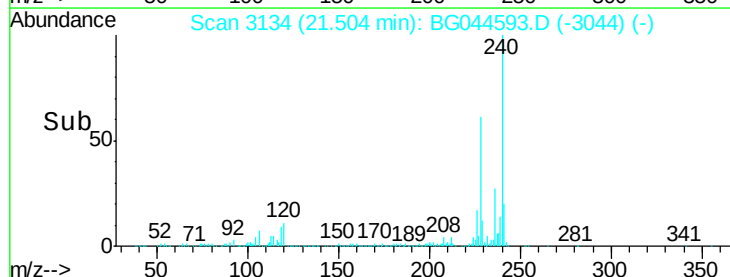
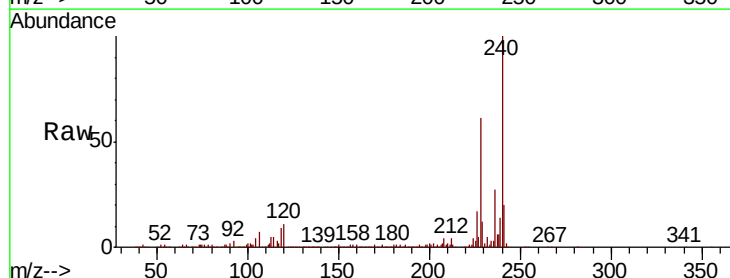
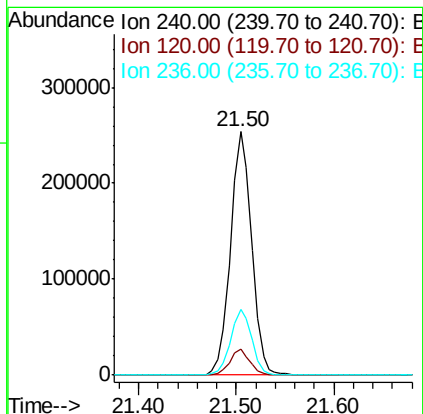
RT: 21.50 min Scan# 3134

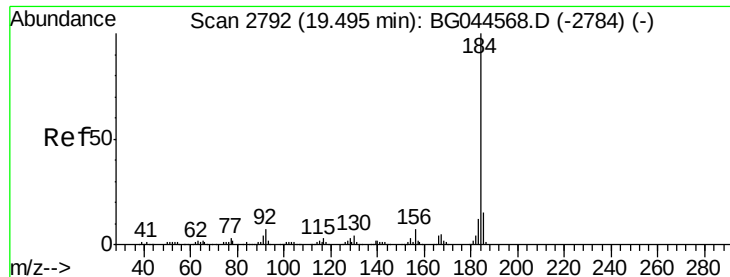
Delta R.T. 0.00 min

Lab File: BG044593.D

Acq: 26 Feb 2020 1:52

Tgt Ion:	240	Resp:	381005
Ion	Ratio	Lower	Upper
240	100		
120	10.5	8.3	12.5
236	27.0	22.3	33.5





#77

Benzidine

Concen: 7.659 ng

RT: 19.51 min Scan# 2795

Delta R.T. 0.02 min

Lab File: BG044593.D

Acq: 26 Feb 2020 1:52

Instrument :

BNA_G

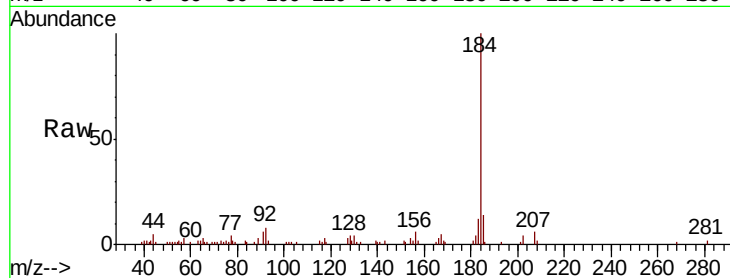
ClientSampleId :

HAM-WC-S-SB-010203MSD

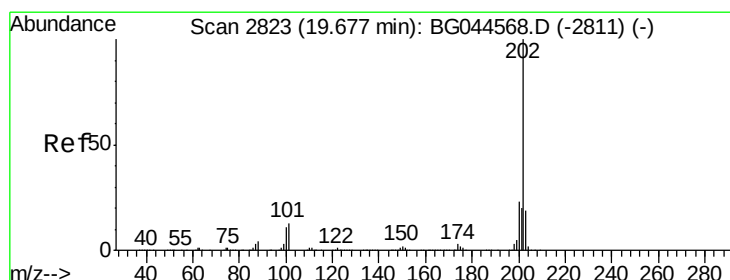
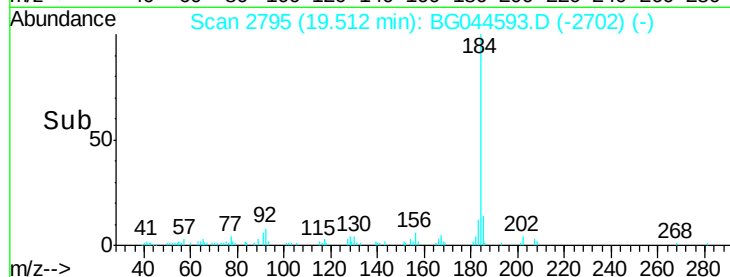
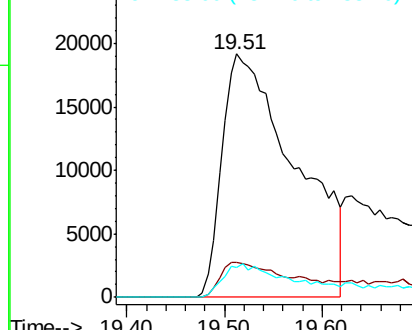
Tot Ion:	184	Resp:	99959
Ion Ratio	Lower	Upper	
184	100		
185	14.4	12.2	18.4
183	12.3	9.9	14.9

Manual Integrations
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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: 43.444 ng

RT: 19.68 min Scan# 2823

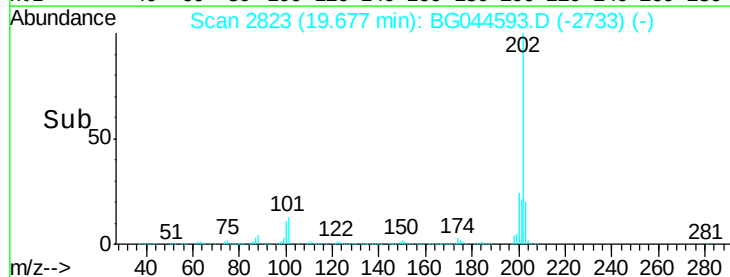
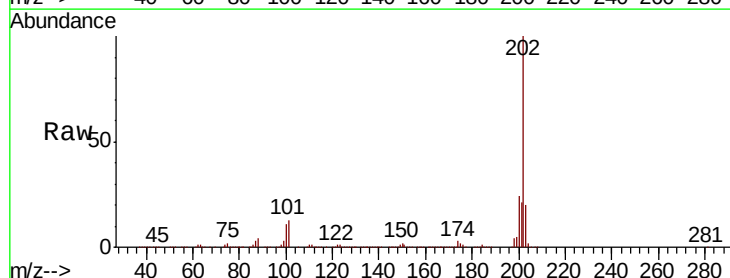
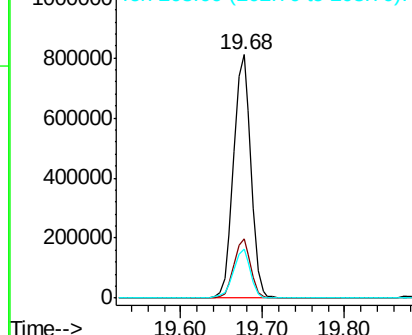
Delta R.T. 0.00 min

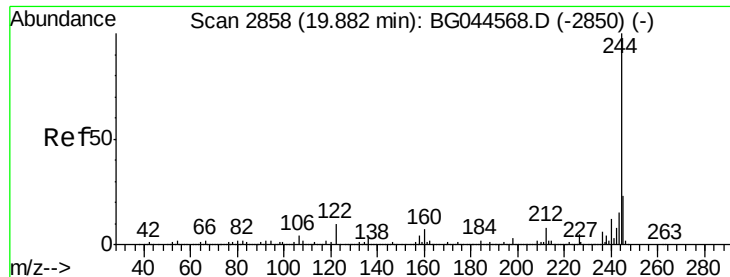
Lab File: BG044593.D

Acq: 26 Feb 2020 1:52

Tgt Ion:	202	Resp:	1201542
Ion Ratio	Lower	Upper	
202	100		
200	24.2	18.6	28.0
203	20.3	15.3	22.9

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: 87.071 ng

RT: 19.88 min Scan# 2857

Delta R.T. -0.01 min

Lab File: BG044593.D

Acq: 26 Feb 2020 1:52

Instrument :

BNA_G

ClientSampleId :

HAM-WC-S-SB-010203MSD

Tot Ion:244 Resp: 1752420

Ion Ratio Lower Upper

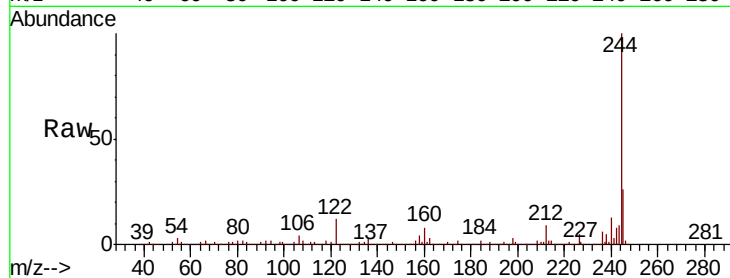
244 100

212 9.0 6.5 9.7

122 12.1 8.2 12.4

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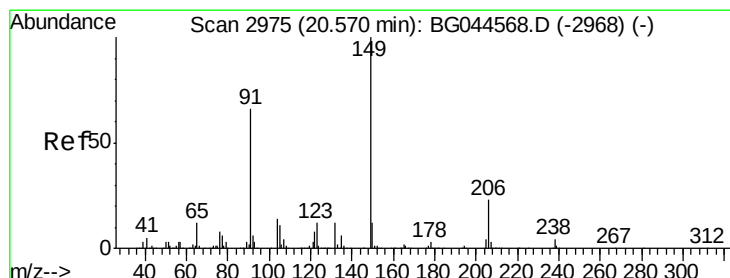
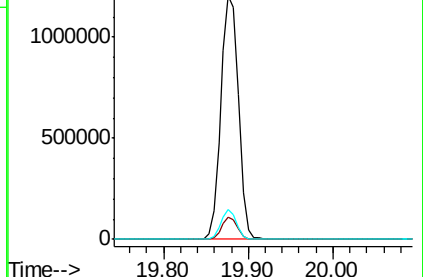
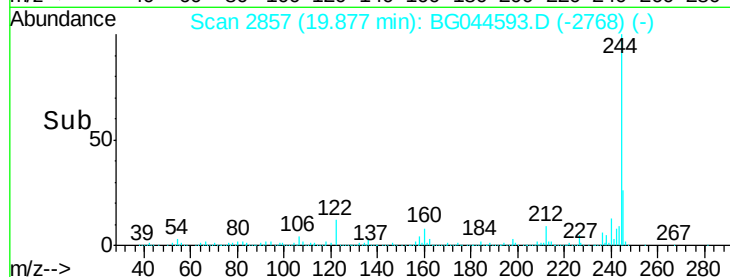
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 43.796 ng

RT: 20.57 min Scan# 2975

Delta R.T. 0.00 min

Lab File: BG044593.D

Acq: 26 Feb 2020 1:52

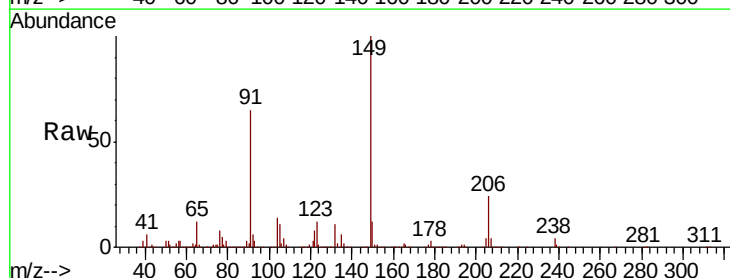
Tgt Ion:149 Resp: 529837

Ion Ratio Lower Upper

149 100

91 64.8 52.7 79.1

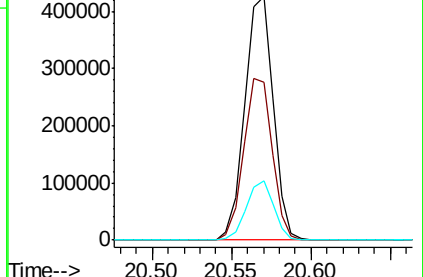
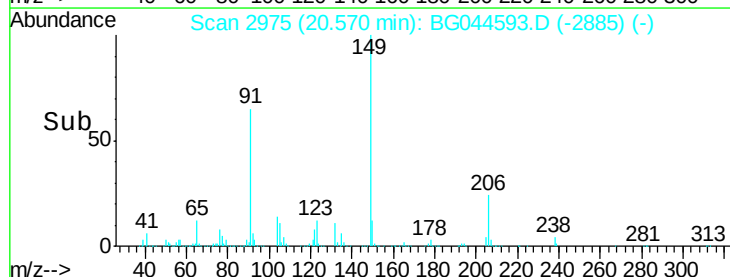
206 24.2 18.6 28.0

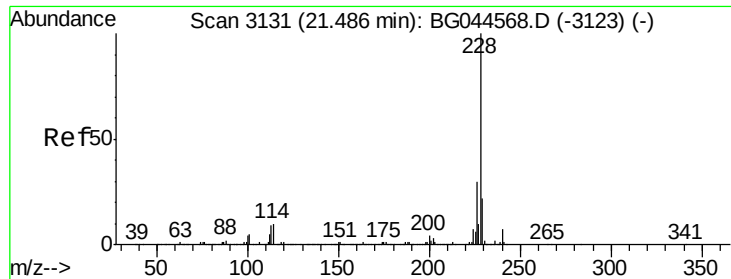


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E





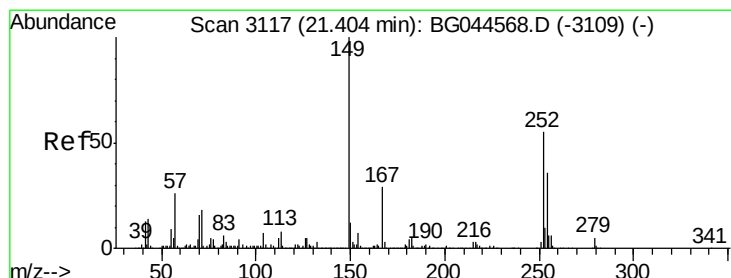
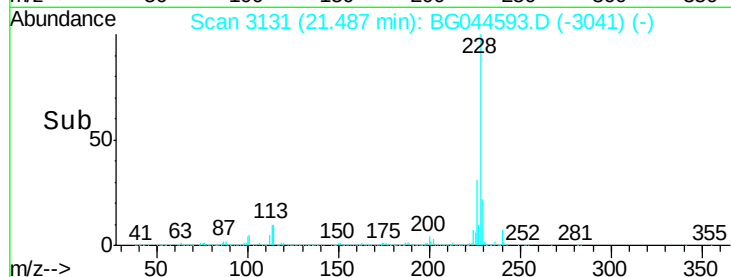
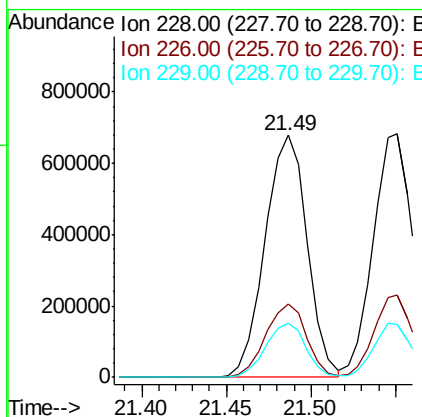
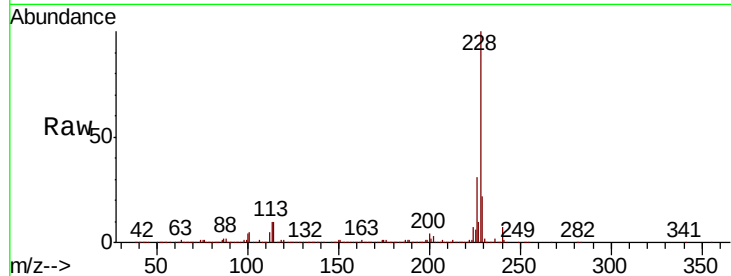
#81
Benzo(a)anthracene
Concen: 43.704 ng
RT: 21.49 min Scan# 3131
Delta R.T. 0.00 min
Lab File: BG044593.D
Acq: 26 Feb 2020 1:52

Instrument :
BNA_G
ClientSampleId :
HAM-WC-S-SB-010203MSD

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.6	23.8	35.8
229	22.3	17.2	25.8

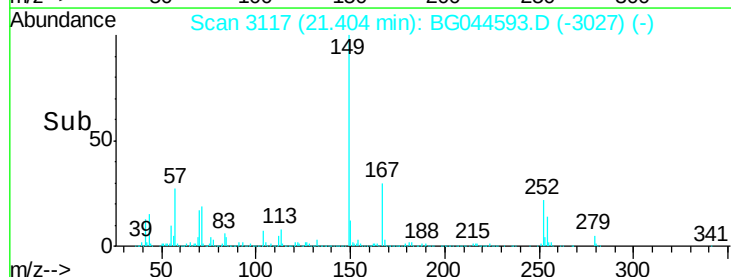
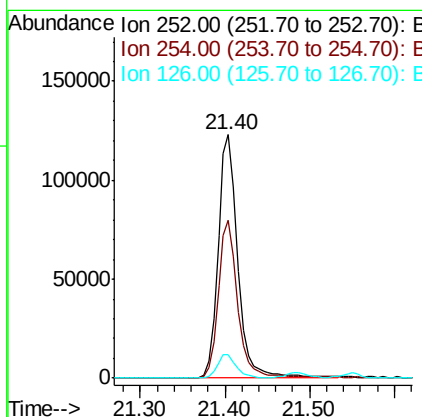
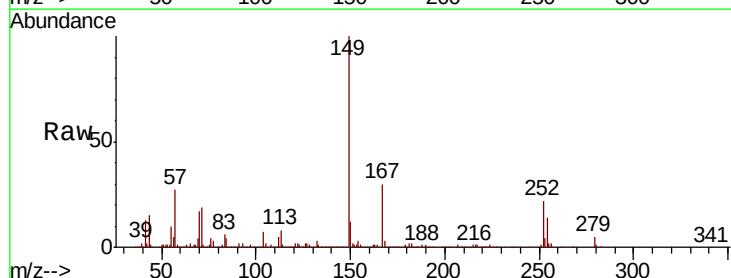
Manual Integrations
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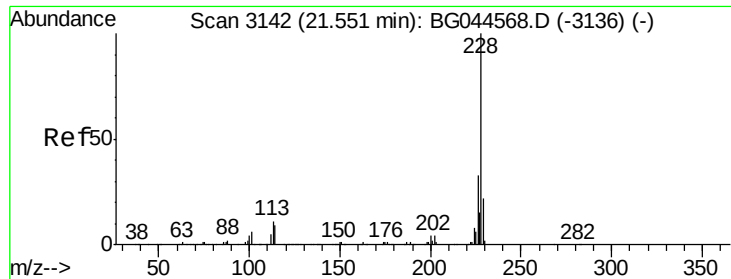
mohammad
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#82
3,3'-Dichlorobenzidine
Concen: 19.030 ng
RT: 21.40 min Scan# 3117
Delta R.T. 0.00 min
Lab File: BG044593.D
Acq: 26 Feb 2020 1:52

Tgt Ion	Ratio	Lower	Upper
252	100		
254	65.0	51.5	77.3
126	9.5	7.8	11.6





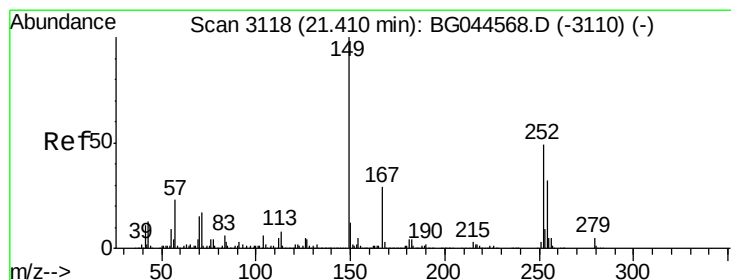
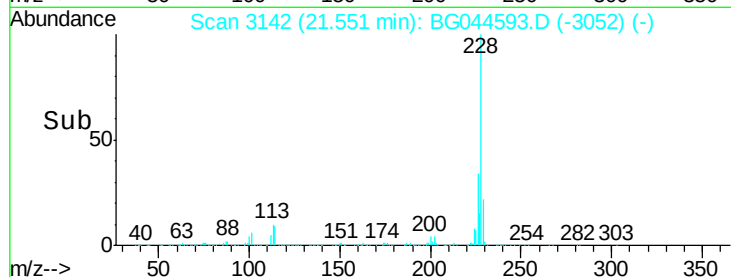
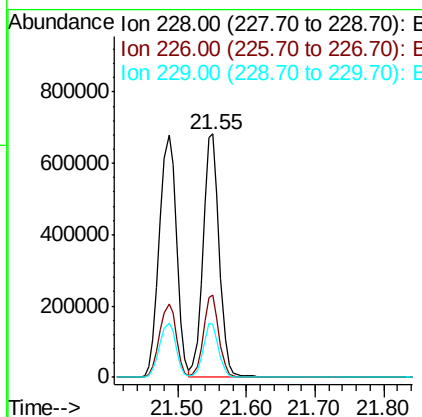
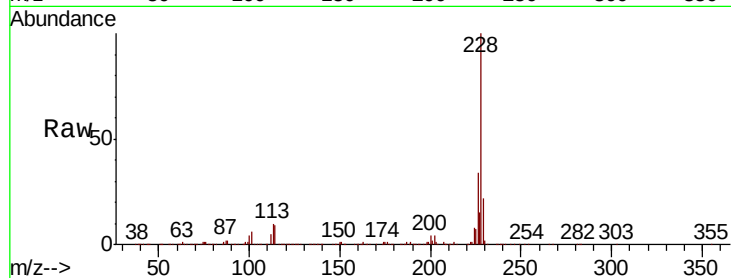
#83
 Chrysene
 Concen: 43.655 ng
 RT: 21.55 min Scan# 3142
 Delta R.T. 0.00 min
 Lab File: BG044593.D
 Acq: 26 Feb 2020 1:52

Instrument :
 BNA_G
 ClientSampleId :
 HAM-WC-S-SB-010203MSD

Tot Ion:228 Resp: 1130260
 Ion Ratio Lower Upper
 228 100
 226 34.0 26.1 39.1
 229 21.9 17.2 25.8

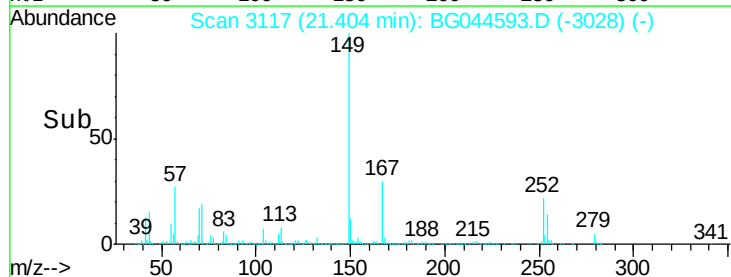
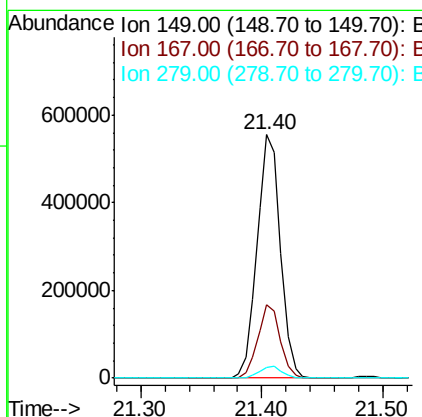
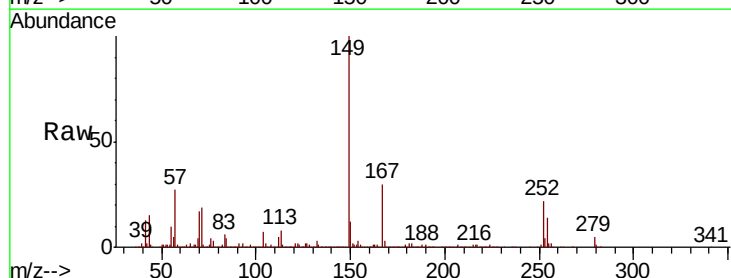
Manual Integrations
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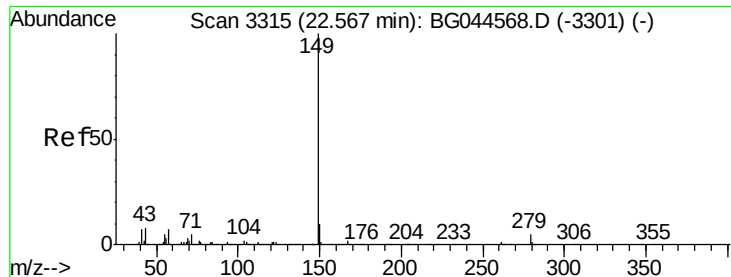
mohammad
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#84
 Bis(2-ethylhexyl)phthalate
 Concen: 44.590 ng
 RT: 21.40 min Scan# 3117
 Delta R.T. -0.01 min
 Lab File: BG044593.D
 Acq: 26 Feb 2020 1:52

Tgt Ion:149 Resp: 743298
 Ion Ratio Lower Upper
 149 100
 167 30.2 23.4 35.0
 279 4.5 4.2 6.4





#85

Di-n-octyl phthalate

Concen: 44.350 ng

RT: 22.56 min Scan# 3314

Delta R.T. -0.01 min

Lab File: BG044593.D

Acq: 26 Feb 2020 1:52

Instrument :

BNA_G

ClientSampleId :

HAM-WC-S-SB-010203MSD

Tot Ion:149 Resp: 1300699

Ion Ratio Lower Upper

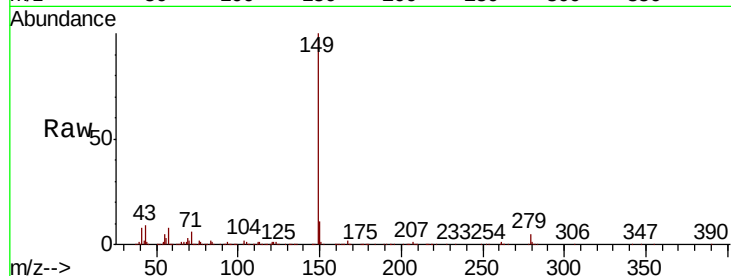
149 100

167 1.7 1.3 1.9

43 8.8 6.6 10.0

Manual Integrations
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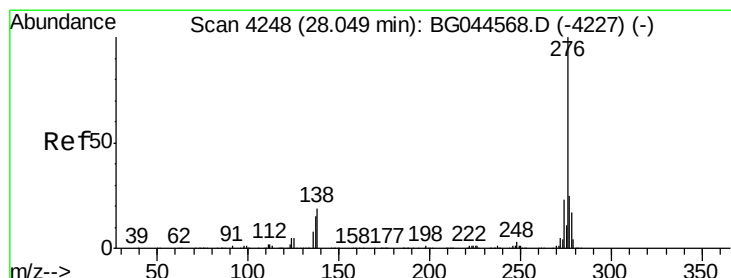
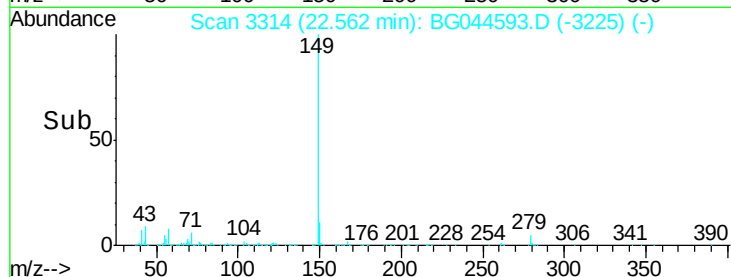
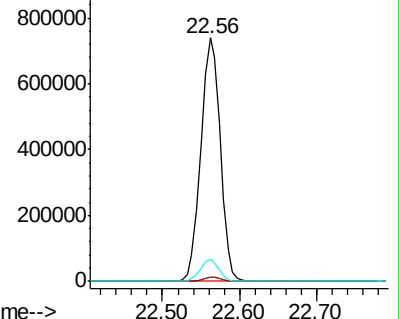
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Abundance Ion 149.00 (148.70 to 149.70): E

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: 43.873 ng

RT: 28.06 min Scan# 4249

Delta R.T. 0.01 min

Lab File: BG044593.D

Acq: 26 Feb 2020 1:52

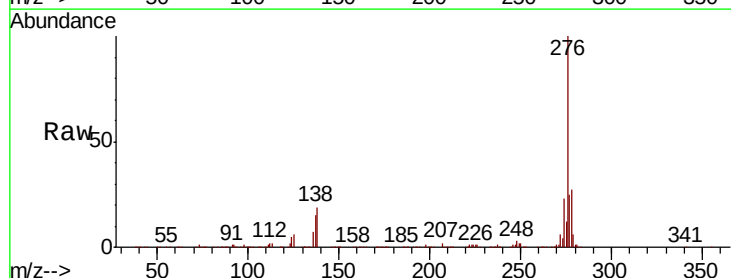
Tgt Ion:276 Resp: 1457783

Ion Ratio Lower Upper

276 100

138 23.0 18.2 27.4

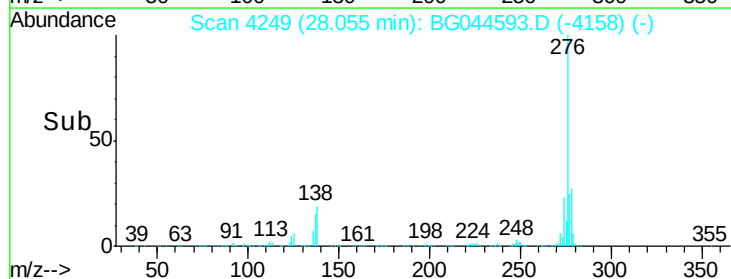
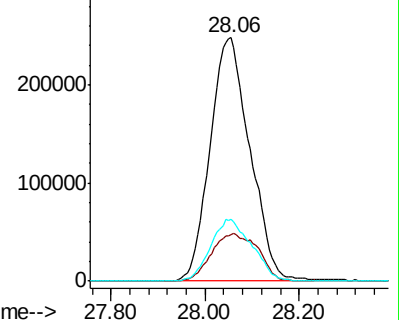
277 26.4 20.7 31.1

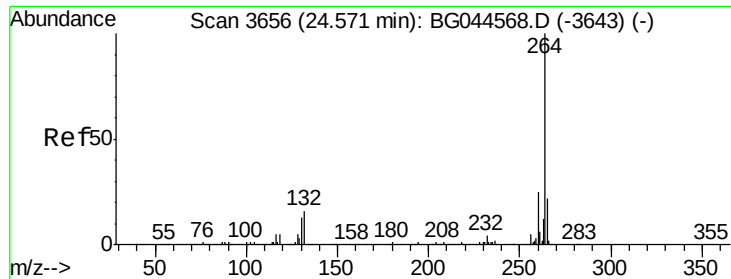


Abundance Ion 276.00 (275.70 to 276.70): E

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: 24.57 min Scan# 3655

Delta R.T. -0.01 min

Lab File: BG044593.D

Acq: 26 Feb 2020 1:52

Instrument :

BNA_G

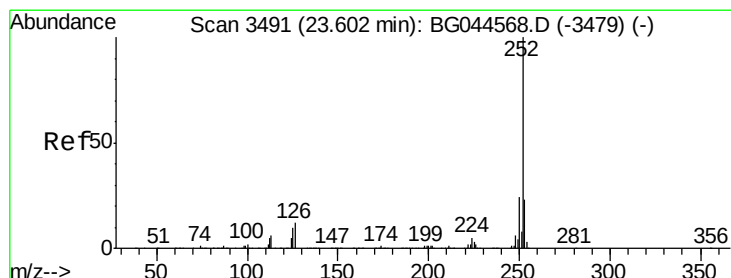
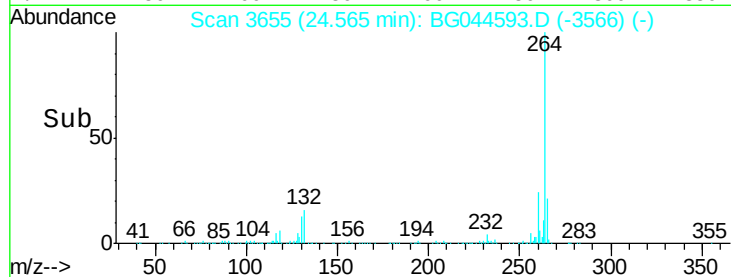
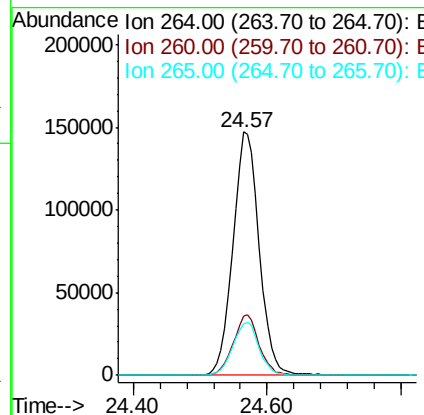
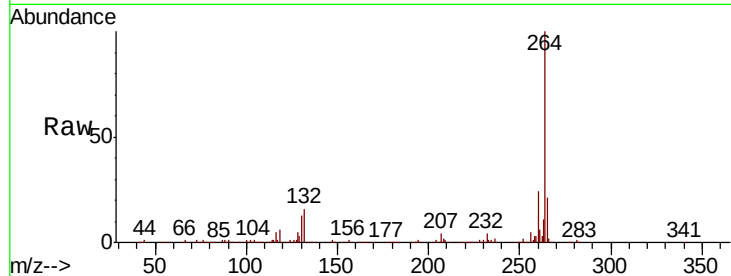
ClientSampleId :

HAM-WC-S-SB-010203MSD

Tot Ion:	264	Resp:	405880
Ion Ratio	Lower	Upper	
264	100		
260	24.3	19.7	29.5
265	21.4	17.8	26.8

Manual Integrations
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#88

Benzo(b)fluoranthene

Concen: 46.302 ng

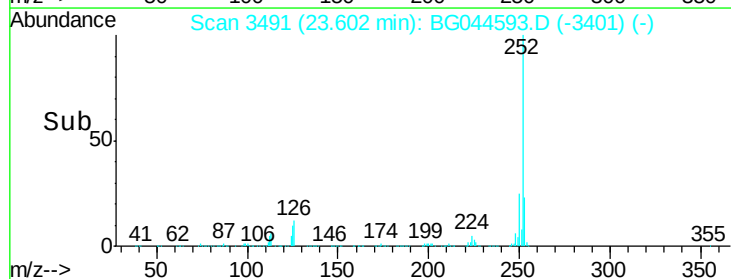
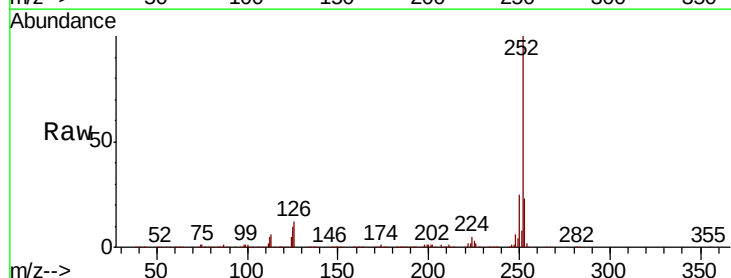
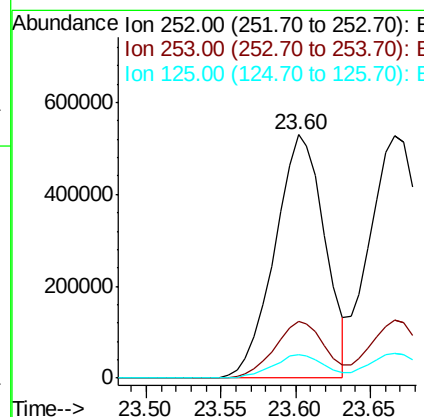
RT: 23.60 min Scan# 3491

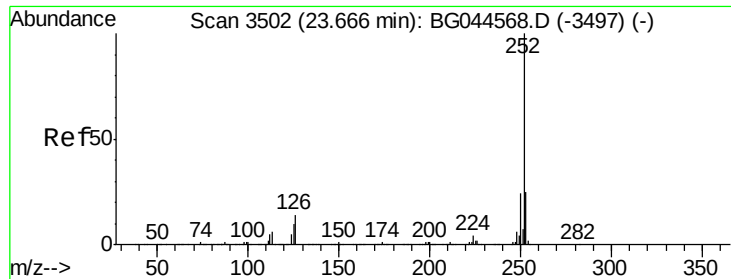
Delta R.T. 0.00 min

Lab File: BG044593.D

Acq: 26 Feb 2020 1:52

Tgt Ion:	252	Resp:	1235623
Ion Ratio	Lower	Upper	
252	100		
253	23.3	18.4	27.6
125	9.8	7.9	11.9





#89

Benzo(k)fluoranthene

Concen: 48.216 ng

RT: 23.67 min Scan# 3502

Delta R.T. 0.00 min

Lab File: BG044593.D

Acq: 26 Feb 2020 1:52

Instrument :

BNA_G

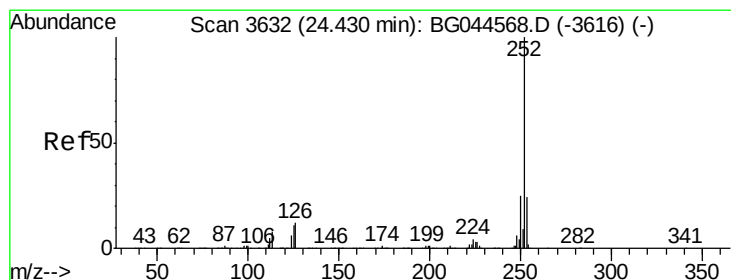
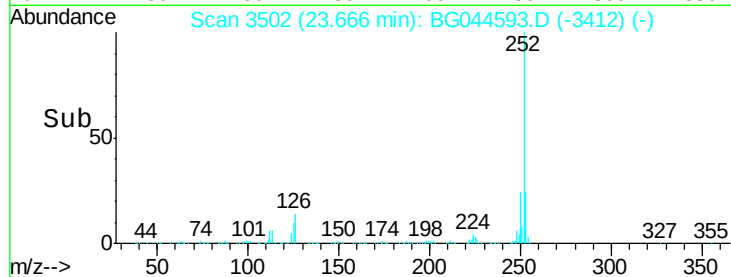
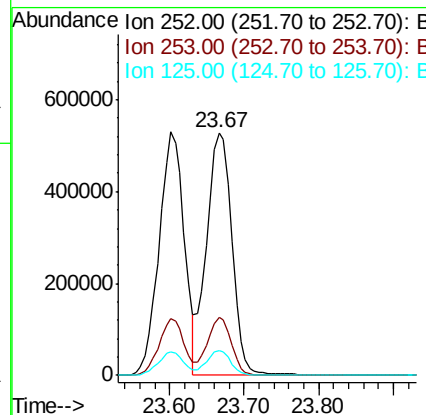
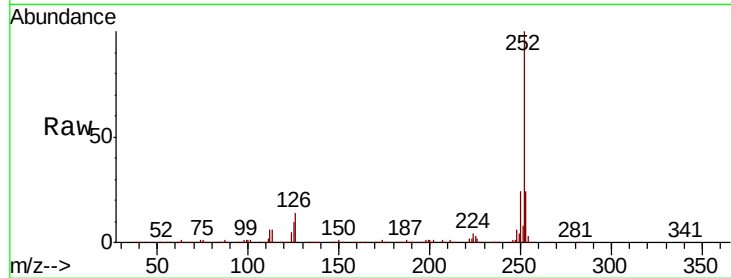
ClientSampleId :

HAM-WC-S-SB-010203MSD

Tot Ion:	252	Resp:	1248442
Ion	Ratio	Lower	Upper
252	100		
253	23.7	19.0	28.6
125	10.1	7.8	11.8

Manual Integrations
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#90

Benzo(a)pyrene

Concen: 45.730 ng

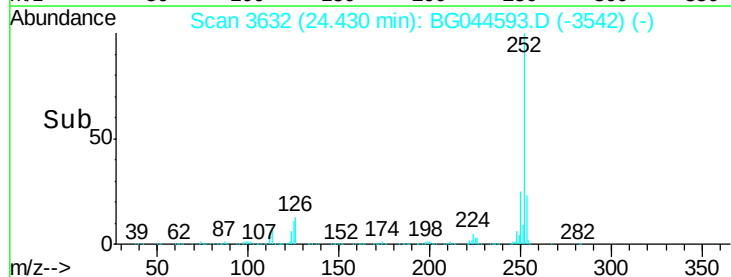
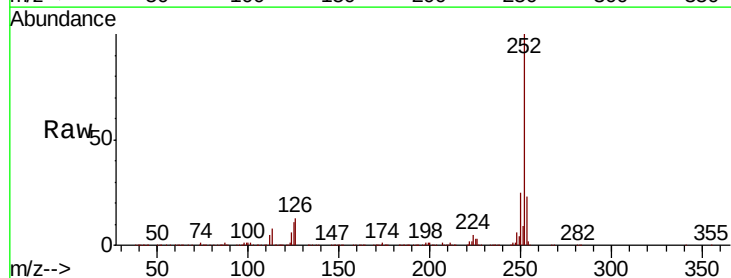
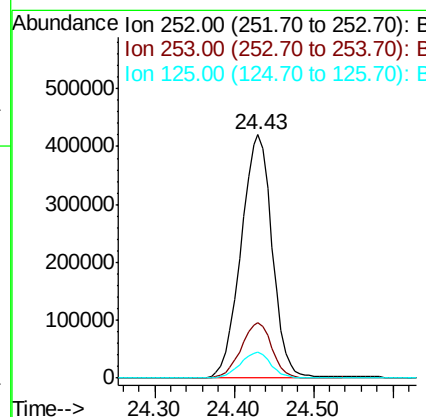
RT: 24.43 min Scan# 3632

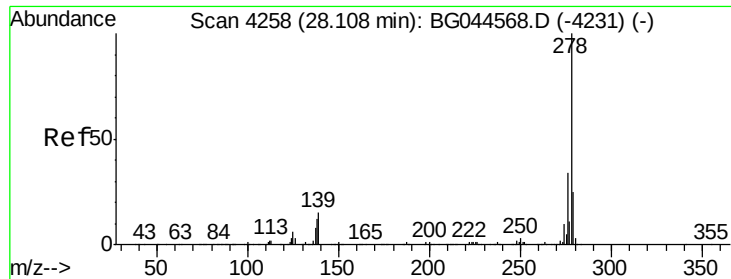
Delta R.T. 0.00 min

Lab File: BG044593.D

Acq: 26 Feb 2020 1:52

Tgt Ion:	252	Resp:	1146574
Ion	Ratio	Lower	Upper
252	100		
253	22.9	19.0	28.4
125	10.6	8.5	12.7





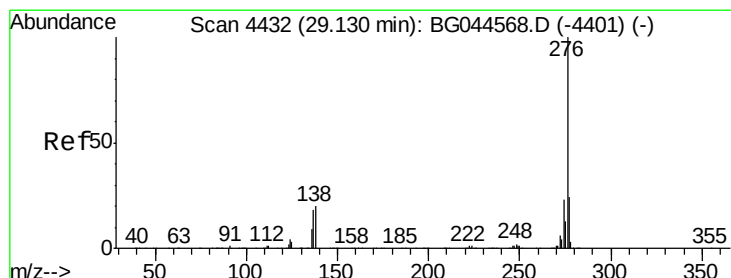
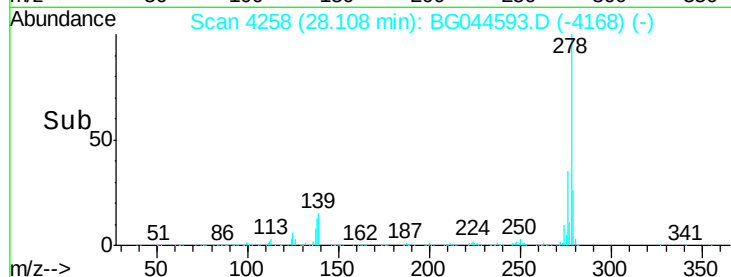
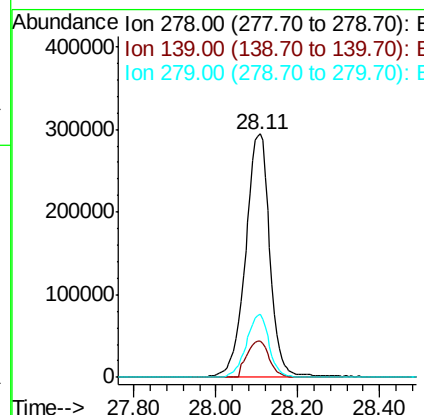
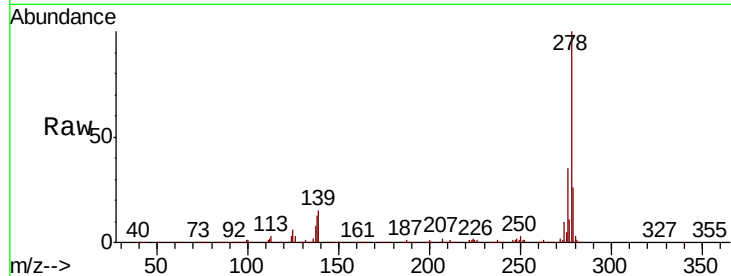
#91
 Dibenzo(a,h)anthracene
 Concen: 48.611 ng
 RT: 28.11 min Scan# 4258
 Delta R.T. 0.00 min
 Lab File: BG044593.D
 Acq: 26 Feb 2020 1:52

Instrument :
 BNA_G
 ClientSampleId :
 HAM-WC-S-SB-010203MSD

Tot Ion	Ratio	Lower	Upper
278	100		
139	15.1	11.7	17.5
279	25.7	19.8	29.6

Manual Integrations
 APPROVED

mohammad
 2/27/2020 5:03:14 PM



#92
 Benzo(g,h,i)perylene
 Concen: 49.058 ng
 RT: 29.13 min Scan# 4432
 Delta R.T. 0.00 min
 Lab File: BG044593.D
 Acq: 26 Feb 2020 1:52

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.0	19.5	29.3
138	19.5	16.1	24.1

