

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG052120\
 Data File : BG045445.D
 Acq On : 21 May 2020 18:21
 Operator : CG/JU
 Sample : L2506-17MS
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TR-04-052020MS

Manual Integrations
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Quant Time: May 21 19:03:54 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG051520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 20 14:43:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.97	152	67452	20.00	ng	0.00
21) Naphthalene-d8	10.77	136	268189	20.00	ng	0.00
39) Acenaphthene-d10	14.61	164	202419	20.00	ng	0.00
64) Phenanthrene-d10	17.35	188	475547	20.00	ng	0.00
76) Chrysene-d12	21.61	240	448905	20.00	ng	0.00
87) Perylene-d12	24.76	264	474069	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	528619	153.16	ng	0.00
7) Phenol-d6	7.19	99	707050	143.93	ng	0.00
23) Nitrobenzene-d5	9.13	82	521552	106.05	ng	0.00
42) 2,4,6-Tribromophenol	16.11	330	415755	160.60	ng	0.00
45) 2-Fluorobiphenyl	13.23	172	1207788	101.21	ng	0.00
79) Terphenyl-d14	19.97	244	2088463	108.51	ng	0.00

Target Compounds					Qvalue	
2) 1,4-Dioxane	3.42	88	67293	39.317	ng	# 63
3) Pyridine	3.82	79	151769	31.839	ng	95
4) n-Nitrosodimethylamine	3.72	42	74233	47.591	ng	# 97
6) Aniline	7.30	93	134953	21.044	ng	99
8) 2-Chlorophenol	7.55	128	200789	53.049	ng	96
9) Benzaldehyde	7.10	77	114009	35.621	ng	95
10) Phenol	7.21	94	242346	47.866	ng	98
11) bis(2-Chloroethyl)ether	7.38	93	194070	49.142	ng	98
12) 1,3-Dichlorobenzene	7.85	146	215031	47.275	ng	99
13) 1,4-Dichlorobenzene	8.00	146	215745	48.064	ng	98
14) 1,2-Dichlorobenzene	8.32	146	202995	47.019	ng	98
15) Benzyl Alcohol	8.22	79	209706	51.675	ng	99
16) 2,2'-oxybis(1-Chloropropan	8.49	45	177742	47.415	ng	96
17) 2-Methylphenol	8.45	107	186519	49.219	ng	98
18) Hexachloroethane	9.05	117	83381	48.501	ng	91
19) n-Nitroso-di-n-propylamine	8.77	70	178695	52.603	ng	97
20) 3+4-Methylphenols	8.78	107	243328m	47.152	ng	
22) Acetophenone	8.79	105	321595	50.594	ng	# 93
24) Nitrobenzene	9.17	77	263928	50.089	ng	97
25) Isophorone	9.69	82	490967	50.691	ng	98
26) 2-Nitrophenol	9.88	139	119022	52.803	ng	94
27) 2,4-Dimethylphenol	9.97	122	199890	59.791	ng	97
28) bis(2-Chloroethoxy)methane	10.17	93	267294	52.623	ng	96
29) 2,4-Dichlorophenol	10.45	162	223183	56.533	ng	99
30) 1,2,4-Trichlorobenzene	10.64	180	238362	51.096	ng	98
31) Naphthalene	10.82	128	646078	51.697	ng	99
32) Benzoic acid	10.16	122	134069	56.675	ng	92
33) 4-Chloroaniline	10.95	127	25987	4.975	ng	95
34) Hexachlorobutadiene	11.11	225	162747	49.355	ng	99
35) Caprolactam	11.71	113	66009m	45.553	ng	
36) 4-Chloro-3-methylphenol	12.11	107	253787	57.049	ng	100
37) 2-Methylnaphthalene	12.43	142	492268	52.848	ng	95
38) 1-Methylnaphthalene	12.65	142	470266m	53.445	ng	
40) 1,2,4,5-Tetrachlorobenzene	12.80	216	281440	49.778	ng	99

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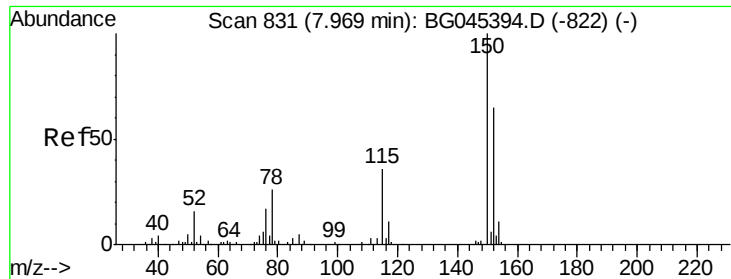
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.78	237	374667	114.812	nq	99
43) 2,4,6-Trichlorophenol	13.05	196	206315	52.530	nq	97
44) 2,4,5-Trichlorophenol	13.15	196	221890	49.439	nq	96
46) 1,1'-Biphenyl	13.44	154	652464	52.458	nq	99
47) 2-Chloronaphthalene	13.48	162	497115	49.220	nq	99
48) 2-Nitroaniline	13.69	65	159971	48.151	nq	87
49) Acenaphthylene	14.33	152	839663	51.758	nq	99
50) Dimethylphthalate	14.06	163	707117	50.924	nq	98
51) 2,6-Dinitrotoluene	14.18	165	161114	51.419	nq	97
52) Acenaphthene	14.67	154	497057	45.772	nq	99
53) 3-Nitroaniline	14.52	138	42787	13.433	nq	97
54) 2,4-Dinitrophenol	14.72	184	207398	99.608	nq	97
55) Dibenzofuran	15.01	168	809185	50.178	nq	98
56) 4-Nitrophenol	14.89	139	223275	92.588	nq	90
57) 2,4-Dinitrotoluene	14.97	165	228033	50.251	nq	93
58) Fluorene	15.65	166	675294	50.971	nq	97
59) 2,3,4,6-Tetrachlorophenol	15.25	232	211104	53.463	nq	96
60) Diethylphthalate	15.43	149	717704	49.658	nq	98
61) 4-Chlorophenyl-phenylether	15.65	204	377397	49.780	nq	100
62) 4-Nitroaniline	15.69	138	127044	38.206	nq	96
63) Azobenzene	15.94	77	669416	49.673	nq	96
65) 4,6-Dinitro-2-methylphenol	15.74	198	151268	54.618	nq	98
66) n-Nitrosodiphenylamine	15.87	169	545252	47.754	nq	95
67) 4-Bromophenyl-phenylether	16.54	248	268685	52.178	nq	97
68) Hexachlorobenzene	16.67	284	285495	53.008	nq	95
69) Atrazine	16.81	200	122306	26.007	nq	97
70) Pentachlorophenol	17.02	266	322535	115.333	nq	96
71) Phenanthrene	17.40	178	1090643	52.535	nq	99
72) Anthracene	17.49	178	1130585	54.230	nq	97
73) Carbazole	17.76	167	905241	44.545	nq	99
74) Di-n-butylphthalate	18.32	149	1223447	50.159	nq	98
75) Fluoranthene	19.41	202	1371359	51.934	nq	97
77) Benzidine	19.61	184	83406	6.615	nq	94
78) Pyrene	19.77	202	1382837	54.039	nq	99
80) Butylbenzylphthalate	20.65	149	556891	50.419	nq	98
81) Benzo(a)anthracene	21.59	228	1312997	52.505	nq	98
82) 3,3'-Dichlorobenzidine	21.51	252	80949	8.252	nq	99
83) Chrysene	21.66	228	1247831	51.895	nq	99
84) Bis(2-ethylhexyl)phthalate	21.51	149	766919	50.511	nq	98
85) Di-n-octyl phthalate	22.70	149	1311049	50.276	nq	99
86) Indeno(1,2,3-cd)pyrene	28.34	276	1675396	53.283	nq	99
88) Benzo(b)fluoranthene	23.77	252	1422178	55.936	nq	99
89) Benzo(k)fluoranthene	23.84	252	1346682	56.379	nq	99
90) Benzo(a)pyrene	24.62	252	1281469	54.119	nq	97
91) Dibenzo(a,h)anthracene	28.41	278	1367137	57.455	nq	98
92) Benzo(g,h,i)perylene	29.45	276	1383589	58.139	nq	98

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



#1

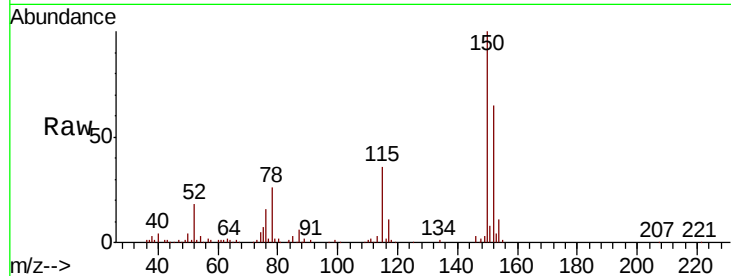
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.97 min Scan# 830
Delta R.T. 0.01 min
Lab File: BG045445.D
Acq: 21 May 2020 18:21

Instrument :
BNA_G
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Tot Ion	Ratio	Lower	Upper
152	100		
150	154.9	122.4	183.6
115	55.3	44.2	66.4

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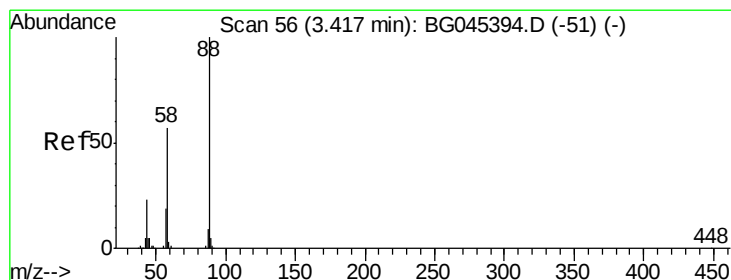
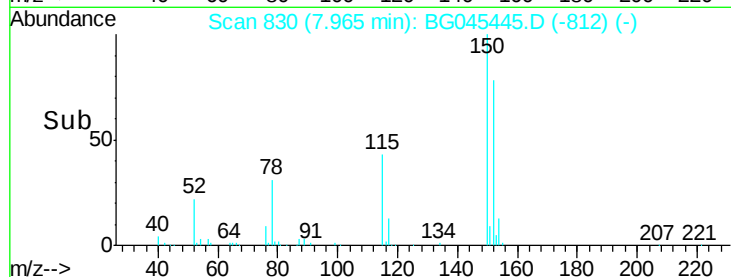
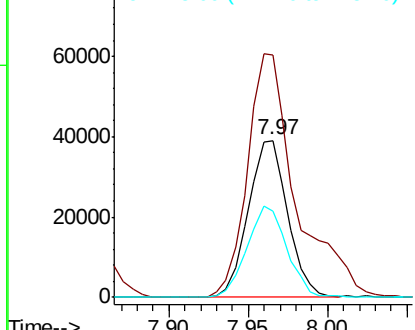


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

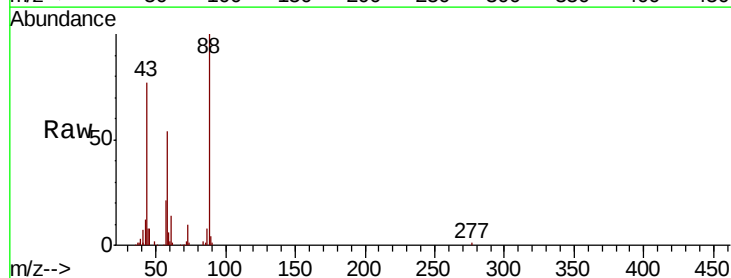
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane
Concen: 39.317 ng
RT: 3.42 min Scan# 56
Delta R.T. 0.01 min
Lab File: BG045445.D
Acq: 21 May 2020 18:21

Tgt Ion	Ratio	Lower	Upper
88	100		
58	61.2	45.7	68.5
43	78.6	16.8	25.2

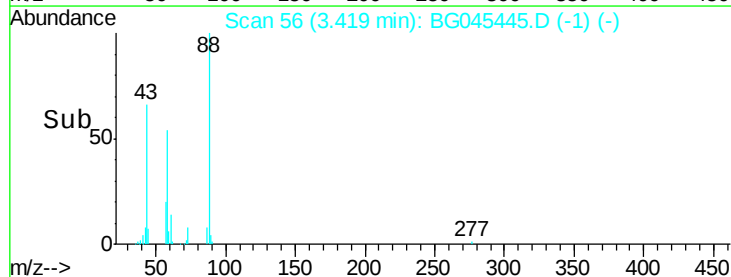
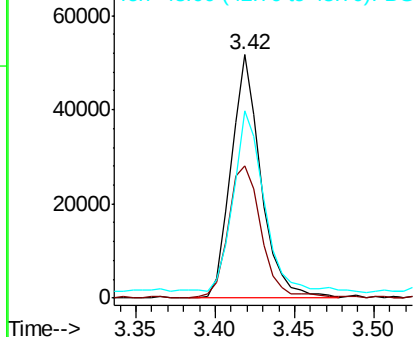


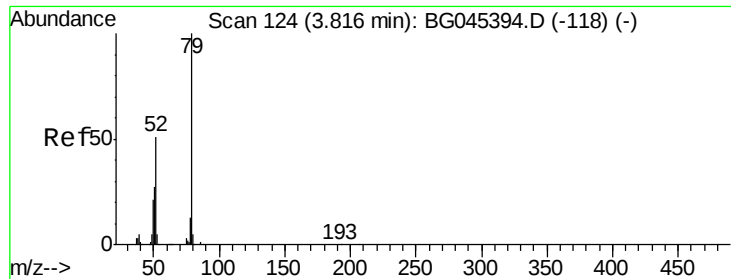
Abundance

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: 31.839 ng

RT: 3.82 min Scan# 125

Delta R.T. 0.01 min

Lab File: BG045445.D

Acq: 21 May 2020 18:21

Instrument :

BNA_G

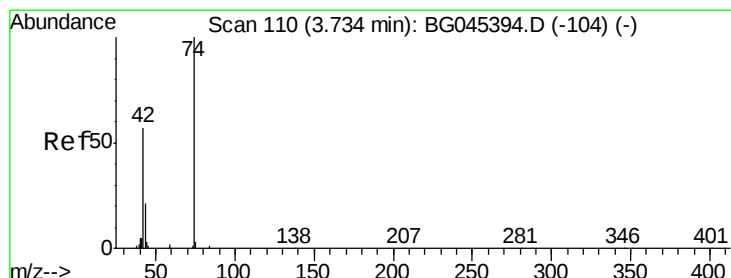
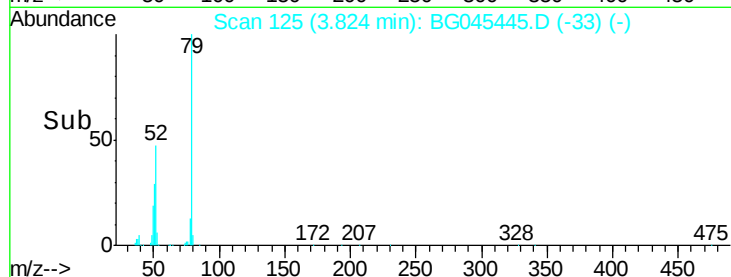
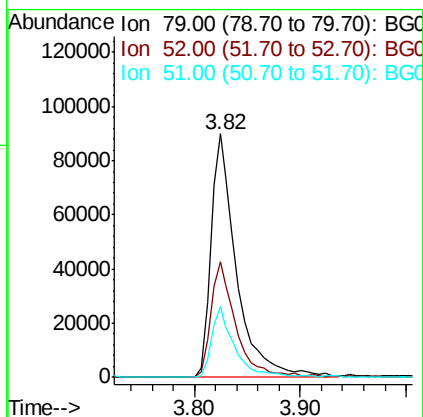
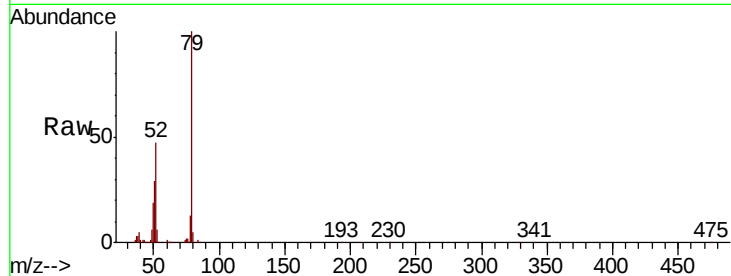
ClientSampleId :

TR-04-052020MS

Tot Ion:	79	Resp:	151769
Ion	Ratio	Lower	Upper
79	100		
52	47.2	40.8	61.2
51	29.2	21.9	32.9

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#4

n-Nitrosodimethylamine

Concen: 47.591 ng

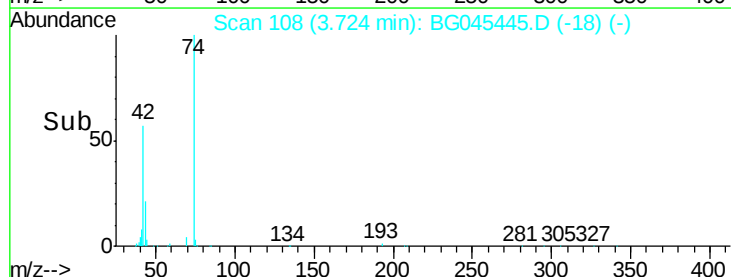
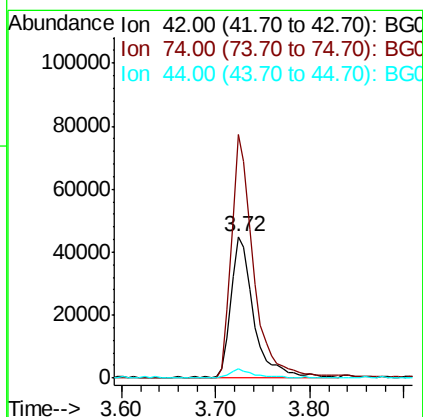
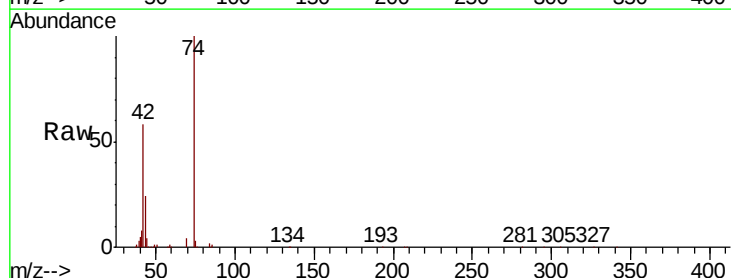
RT: 3.72 min Scan# 108

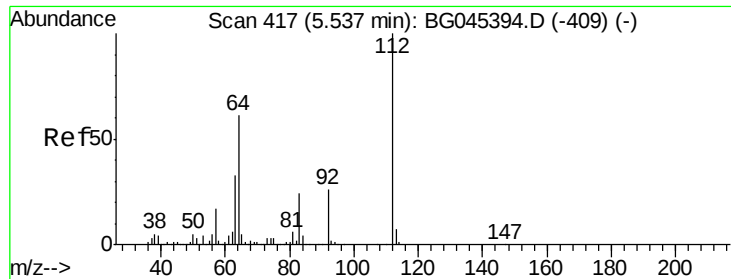
Delta R.T. -0.00 min

Lab File: BG045445.D

Acq: 21 May 2020 18:21

Tgt Ion:	42	Resp:	74233
Ion	Ratio	Lower	Upper
42	100		
74	171.9	141.3	211.9
44	6.4	4.2	6.4#





#5

2-Fluorophenol

Concen: 153.158 ng

RT: 5.57 min Scan# 422

Delta R.T. -0.00 min

Lab File: BG045445.D

Acq: 21 May 2020 18:21

Instrument :

BNA_G

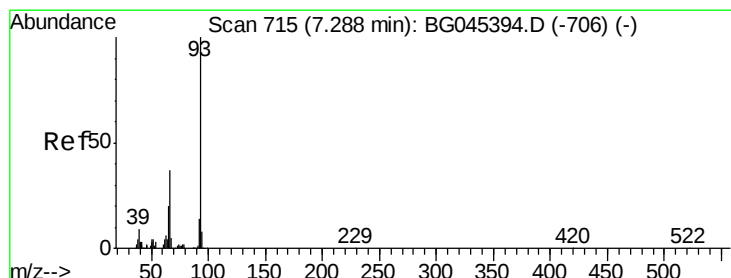
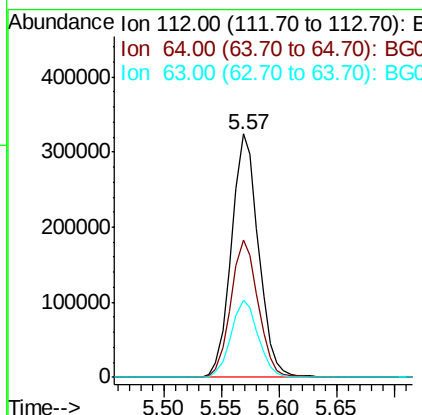
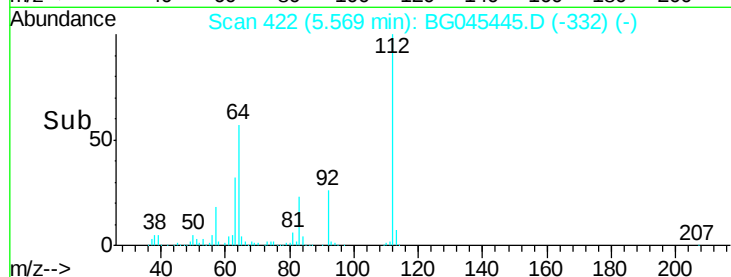
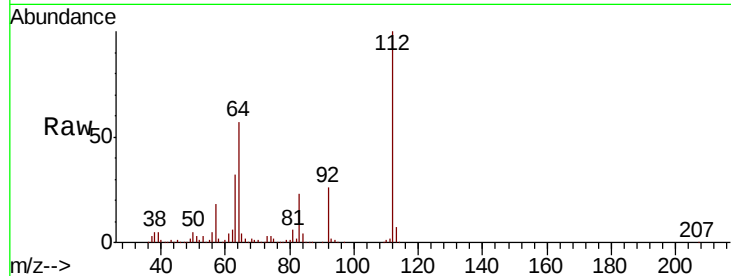
ClientSampleId :

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Tot Ion	Ratio	Resp	Lower	Upper
112	100	528619		
64	56.6		48.6	72.8
63	31.6		26.5	39.7

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#6

Aniline

Concen: 21.044 ng

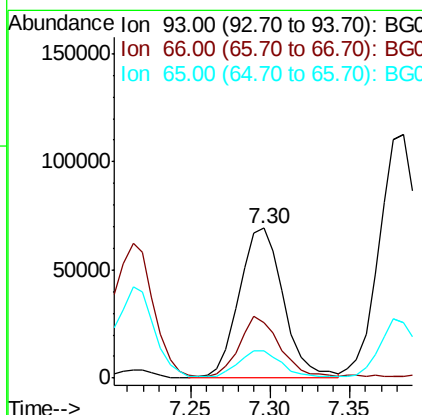
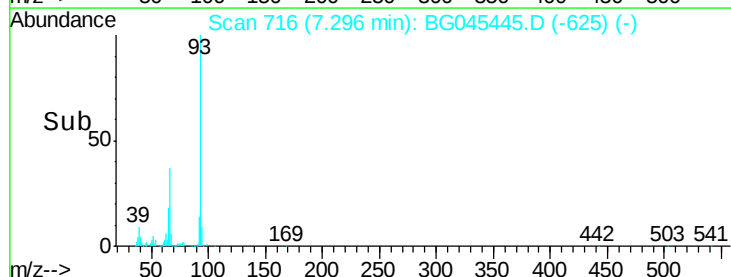
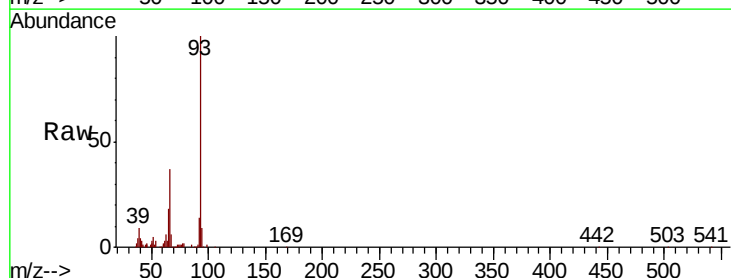
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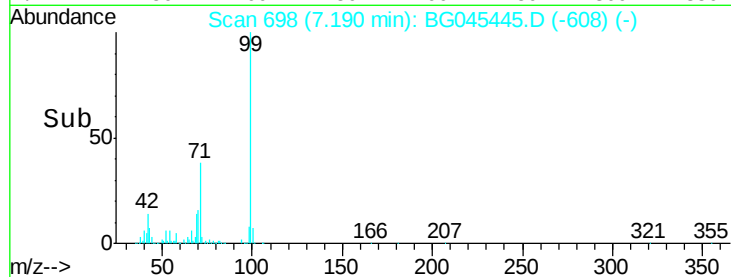
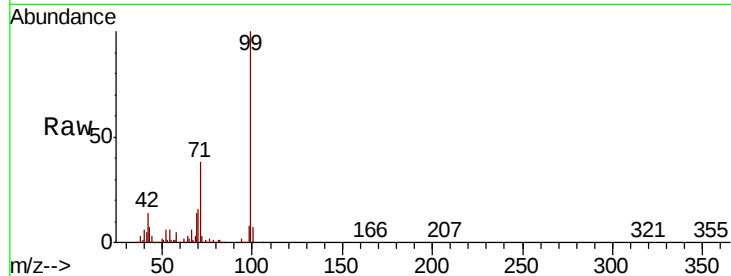
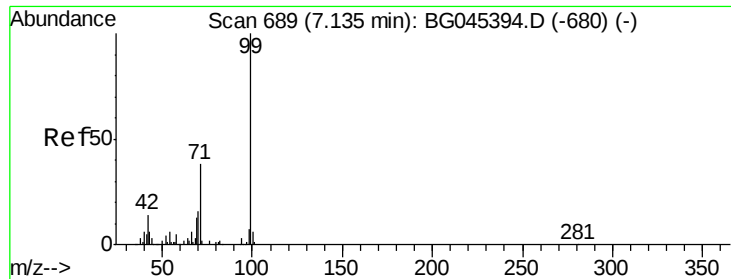
Delta R.T. 0.01 min

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Tgt Ion	Ratio	Resp	Lower	Upper
93	100	134953		
66	37.0		29.6	44.4
65	18.4		15.9	23.9





#7

Phenol-d6

Concen: 143.929 ng

RT: 7.19 min Scan# 698

Delta R.T. -0.00 min

Lab File: BG045445.D

Acq: 21 May 2020 18:21

Tot Ion:	99	Resp:	707050
Ion Ratio	Lower	Upper	
99	100		
42	14.3	11.3	16.9
71	38.2	30.8	46.2

Instrument :

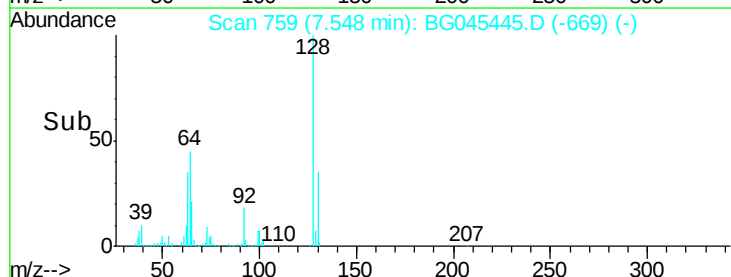
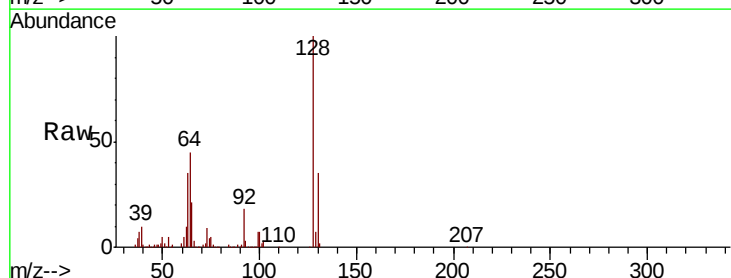
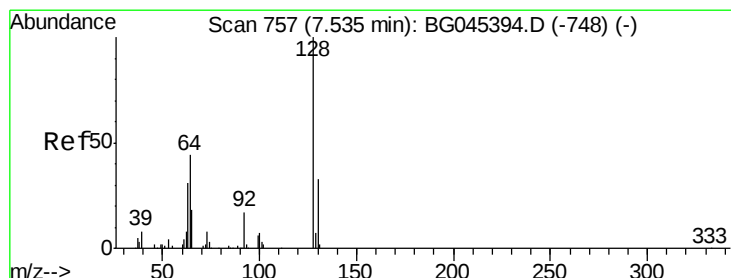
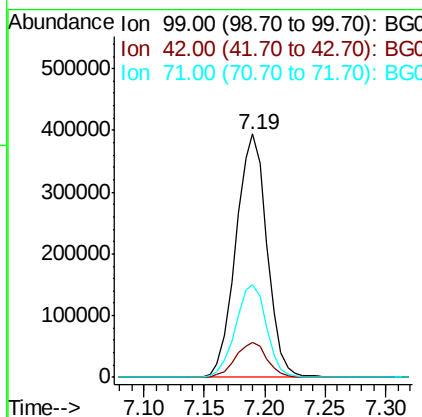
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#8

2-Chlorophenol

Concen: 53.049 ng

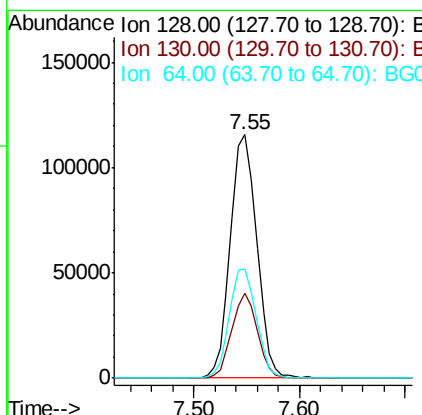
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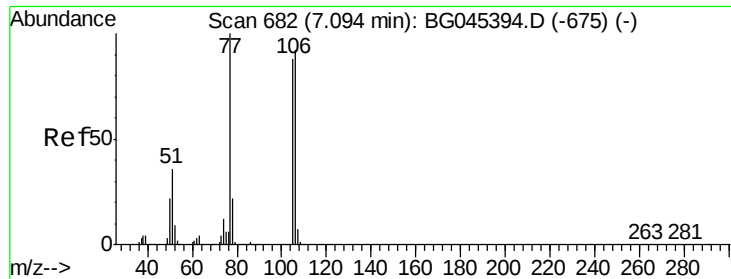
Delta R.T. -0.00 min

Lab File: BG045445.D

Acq: 21 May 2020 18:21

Tgt Ion:	128	Resp:	200789
Ion Ratio	Lower	Upper	
128	100		
130	34.9	12.6	52.6
64	44.6	27.0	67.0





#9

Benzaldehyde

Concen: 35.621 ng

RT: 7.10 min Scan# 682

Delta R.T. -0.00 min

Lab File: BG045445.D

Acq: 21 May 2020 18:21

Instrument :

BNA_G

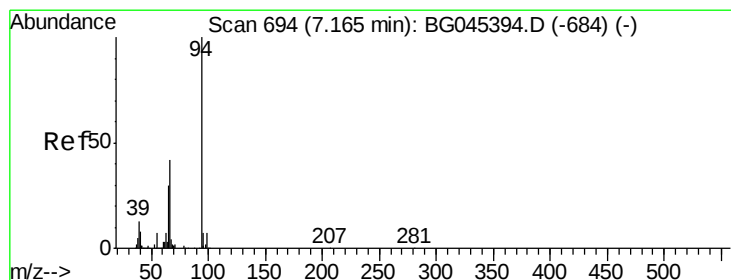
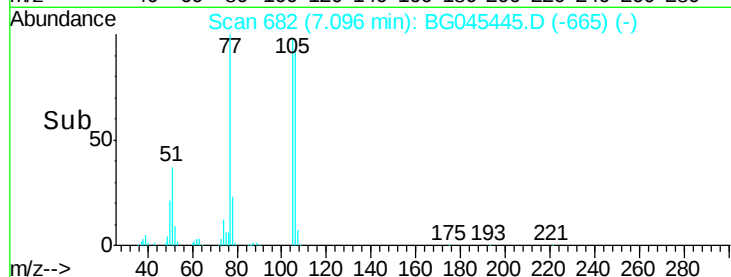
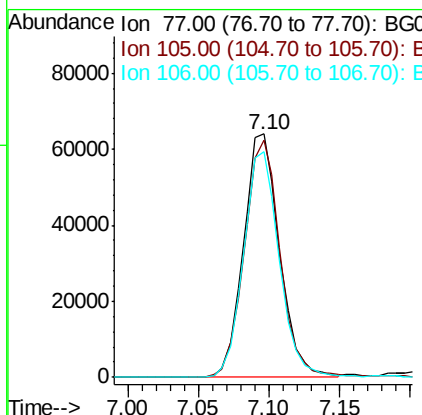
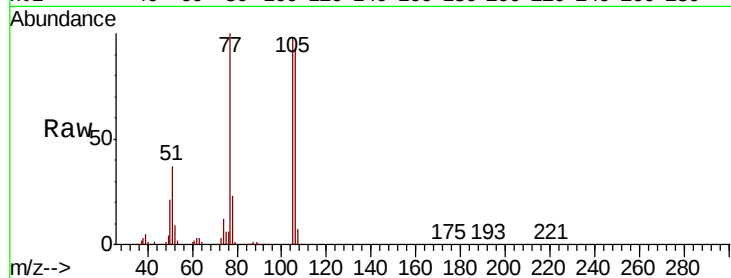
ClientSampleId :

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Tot Ion:	77	Resp:	114009
Ion	Ratio	Lower	Upper
77	100		
105	97.6	68.5	108.5
106	92.7	71.6	111.6

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#10

Phenol

Concen: 47.866 ng

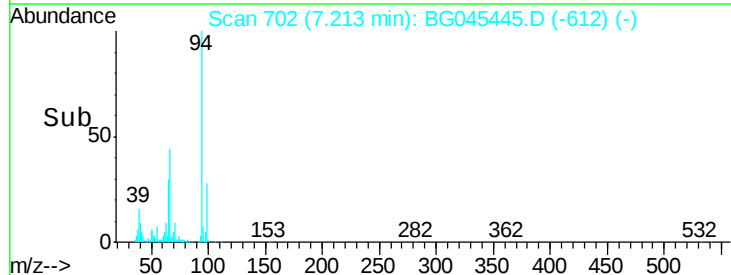
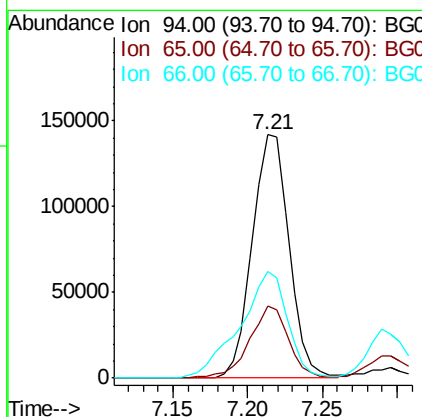
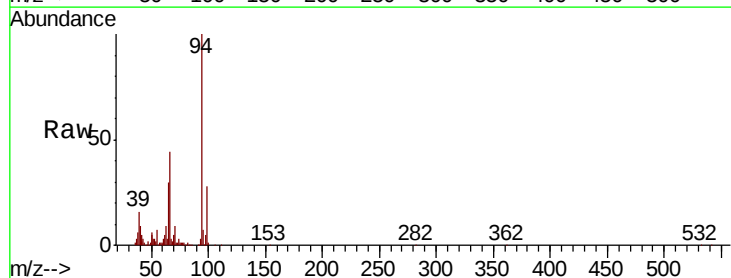
RT: 7.21 min Scan# 702

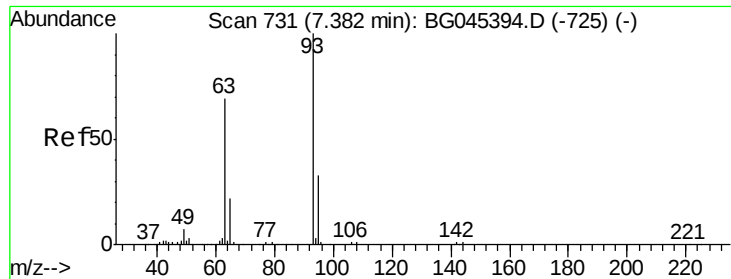
Delta R.T. -0.00 min

Lab File: BG045445.D

Acq: 21 May 2020 18:21

Tgt Ion:	94	Resp:	242346
Ion	Ratio	Lower	Upper
94	100		
65	29.8	9.8	49.8
66	43.9	22.0	62.0





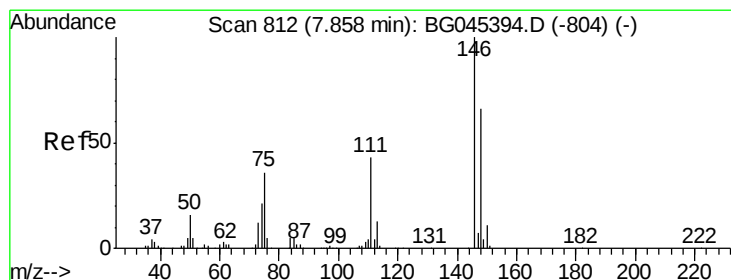
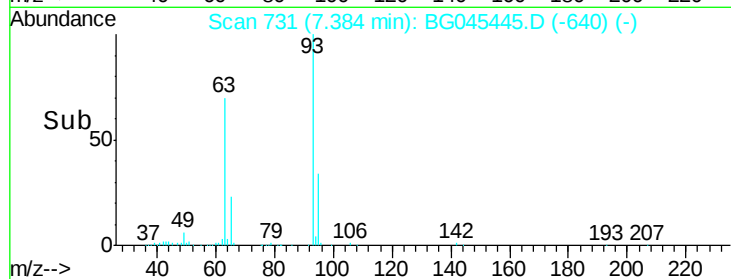
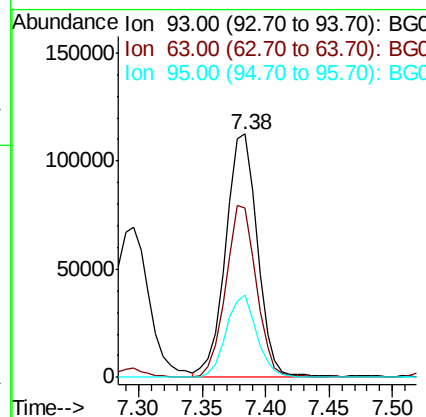
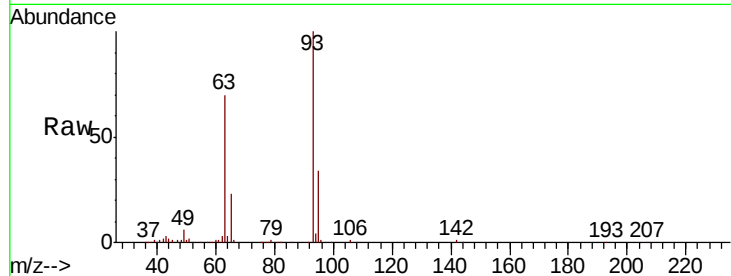
#11
bis(2-Chloroethyl)ether
Concen: 49.142 ng
RT: 7.38 min Scan# 731
Delta R.T. 0.01 min
Lab File: BG045445.D
Acq: 21 May 2020 18:21

Instrument :
BNA_G
ClientSampleId :
TR-04-052020MS

Tot Ion	Ratio	Resp	Lower	Upper
93	100	194070		
63	69.6	48.4	88.4	
95	33.6	12.4	52.4	

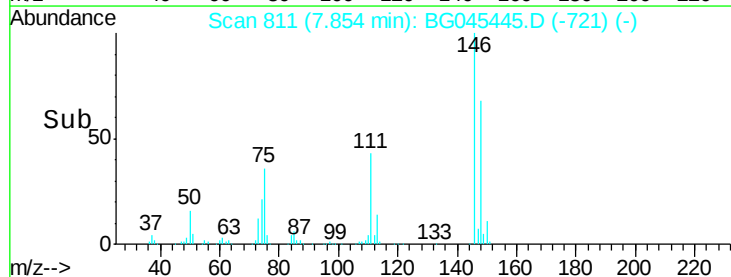
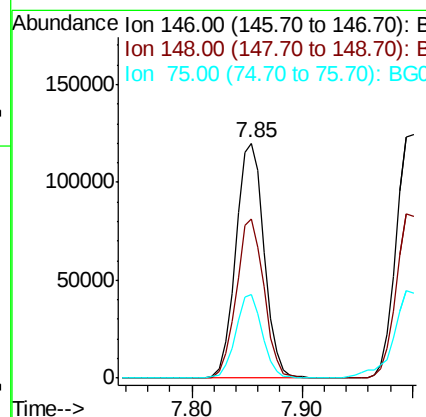
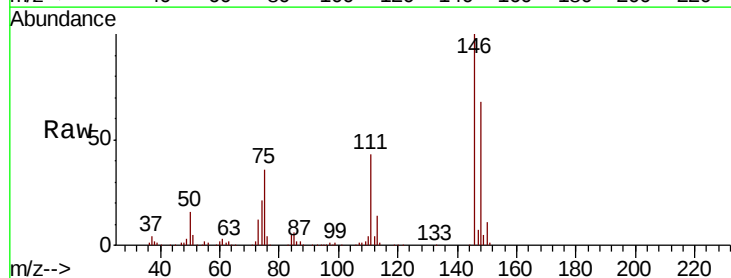
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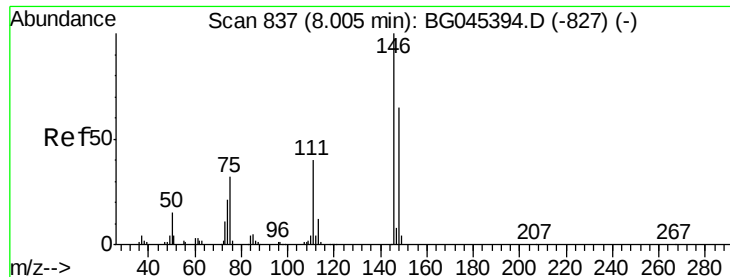
mohammad
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#12
1,3-Dichlorobenzene
Concen: 47.275 ng
RT: 7.85 min Scan# 811
Delta R.T. -0.00 min
Lab File: BG045445.D
Acq: 21 May 2020 18:21

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	215031		
148	67.9	53.2	79.8	
75	35.8	28.6	43.0	





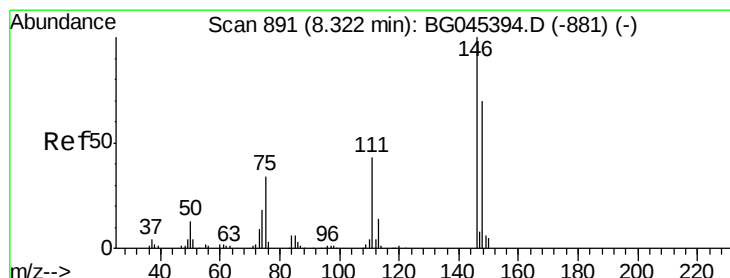
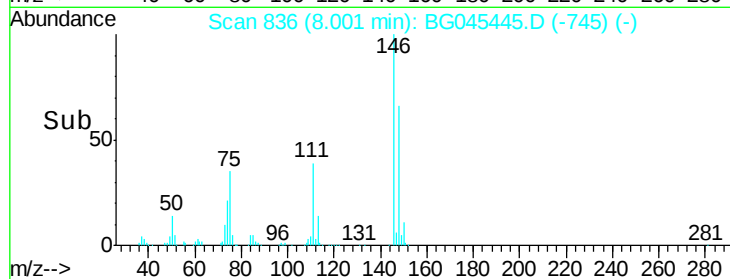
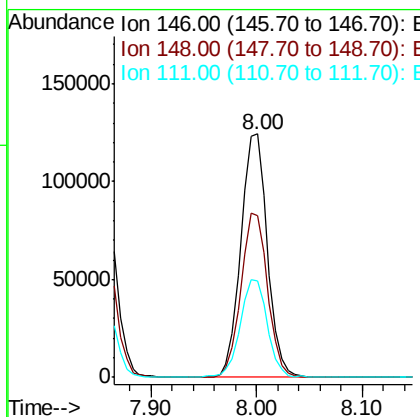
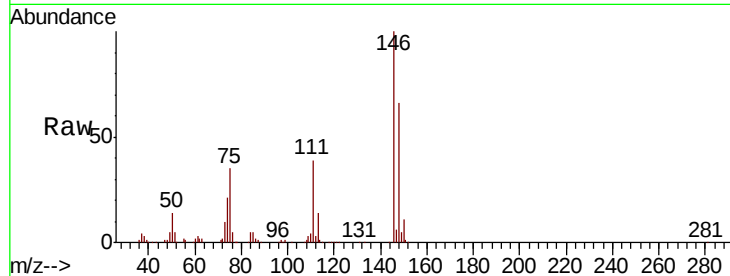
#13
 1,4-Dichlorobenzene
 Concen: 48.064 ng
 RT: 8.00 min Scan# 836
 Delta R.T. 0.01 min
 Lab File: BG045445.D
 Acq: 21 May 2020 18:21

Instrument :
 BNA_G
 ClientSampleId :
 TR-04-052020MS

Tot Ion	Ratio	Lower	Upper
146	100		
148	66.3	51.8	77.8
111	39.4	32.1	48.1

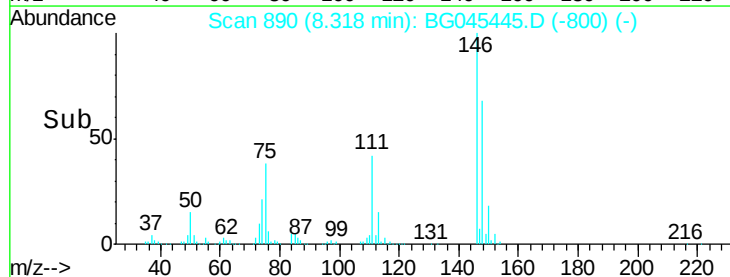
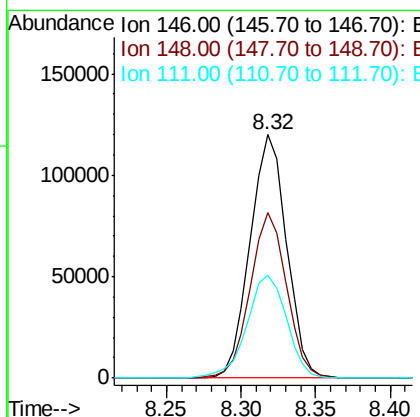
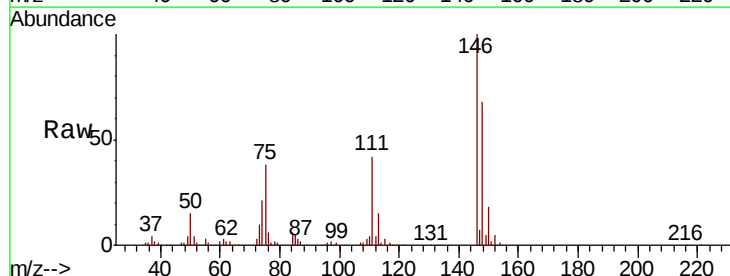
Manual Integrations
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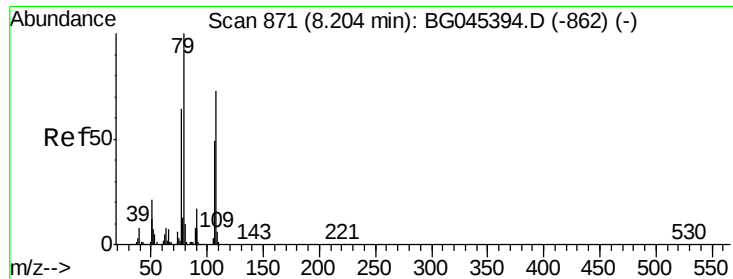
mohammad
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#14
 1,2-Dichlorobenzene
 Concen: 47.019 ng
 RT: 8.32 min Scan# 890
 Delta R.T. -0.00 min
 Lab File: BG045445.D
 Acq: 21 May 2020 18:21

Tgt Ion	Ratio	Lower	Upper
146	100		
148	67.9	55.9	83.9
111	42.4	35.0	52.4





#15

Benzyl Alcohol

Concen: 51.675 ng

RT: 8.22 min Scan# 873

Delta R.T. -0.00 min

Lab File: BG045445.D

Acq: 21 May 2020 18:21

Instrument :

BNA_G

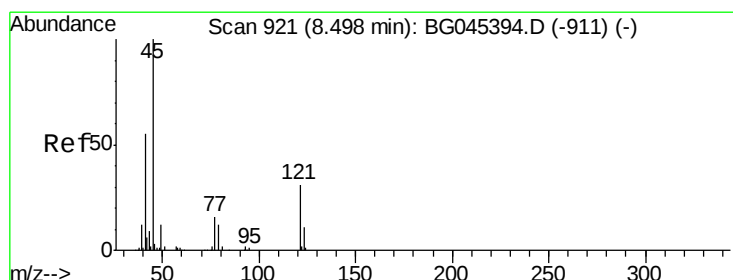
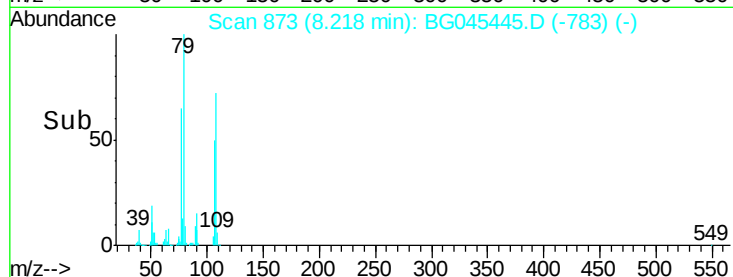
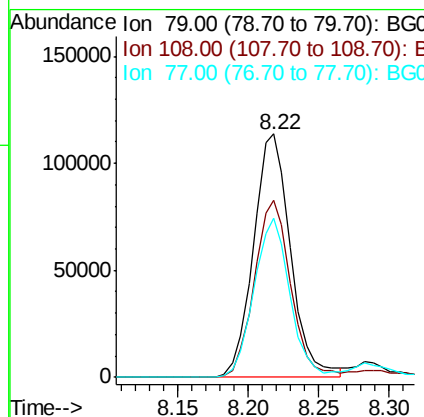
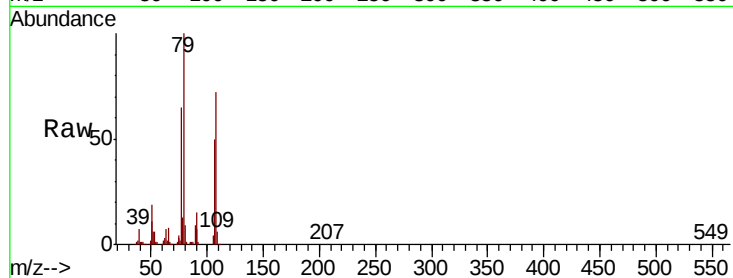
ClientSampleId :

TR-04-052020MS

Tot Ion:	79	Resp:	209706
Ion	Ratio	Lower	Upper
79	100		
108	72.5	58.2	87.4
77	65.1	51.0	76.4

Manual Integrations
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#16

2,2'-oxybis(1-Chloropropane)

Concen: 47.415 ng

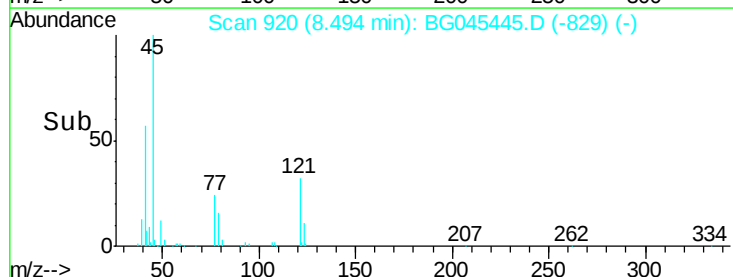
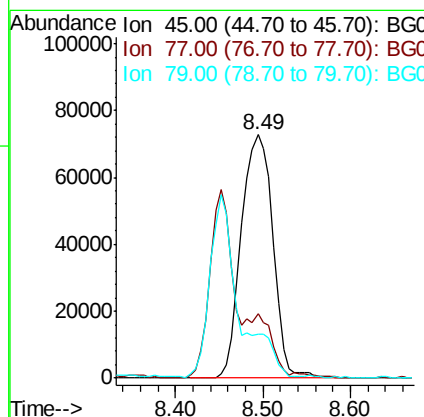
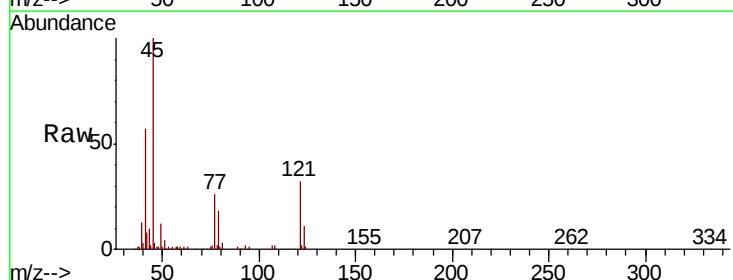
RT: 8.49 min Scan# 920

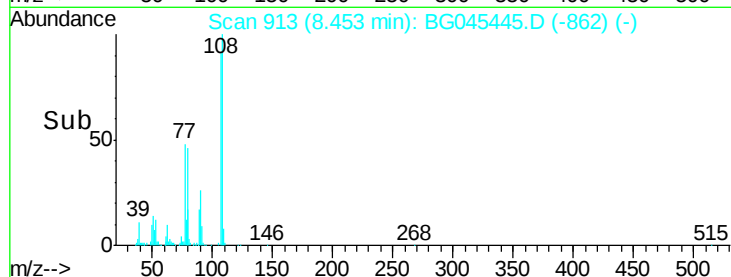
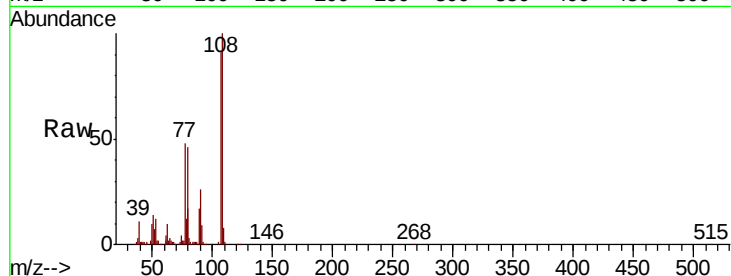
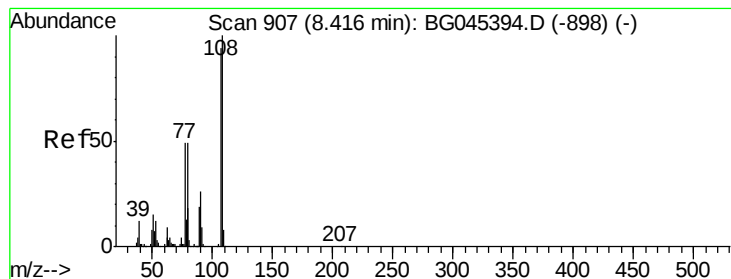
Delta R.T. 0.01 min

Lab File: BG045445.D

Acq: 21 May 2020 18:21

Tgt Ion:	45	Resp:	177742
Ion	Ratio	Lower	Upper
45	100		
77	26.5	4.0	44.0
79	17.9	0.0	38.6





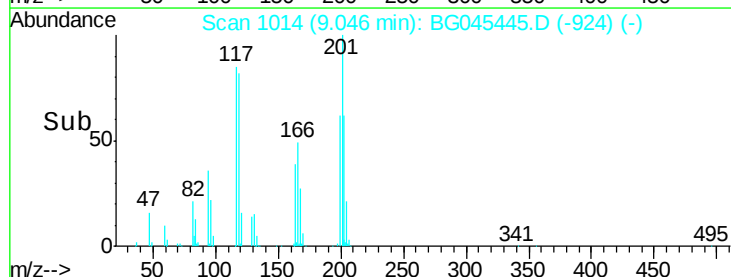
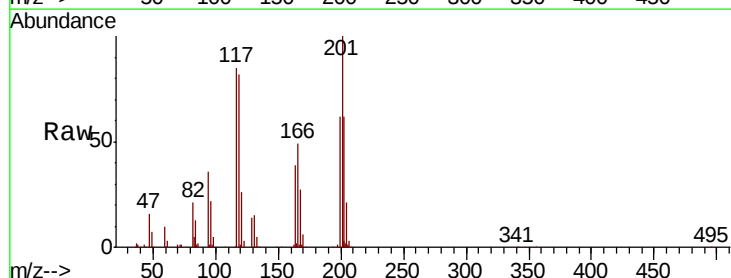
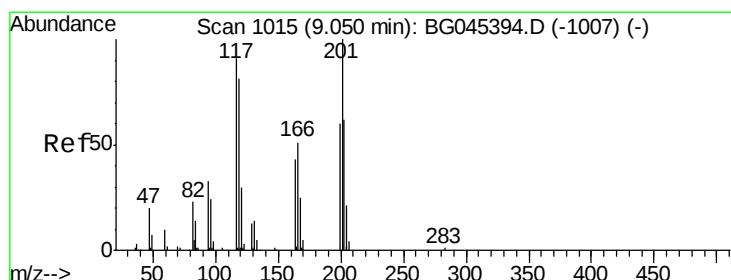
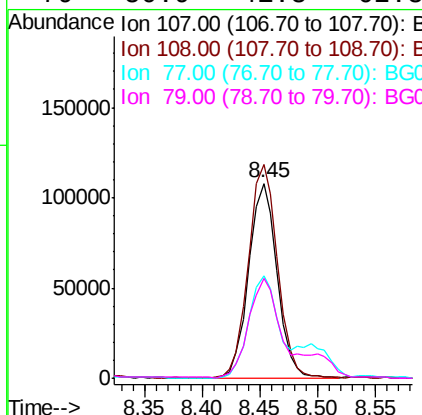
#17
2-Methylphenol
Concen: 49.219 ng
RT: 8.45 min Scan# 913
Delta R.T. -0.00 min
Lab File: BG045445.D
Acq: 21 May 2020 18:21

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	109.5	85.2	127.8	
77	52.2	41.6	62.4	
79	50.9	41.8	62.8	

Instrument :
BNA_G
ClientSampleId :
TR-04-052020MS

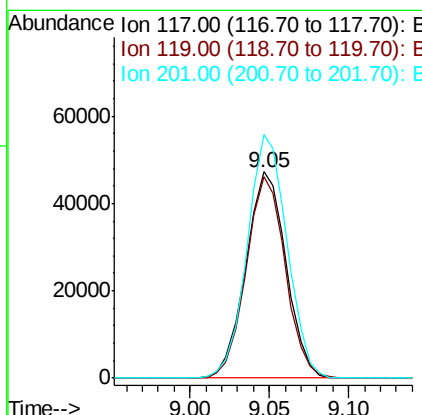
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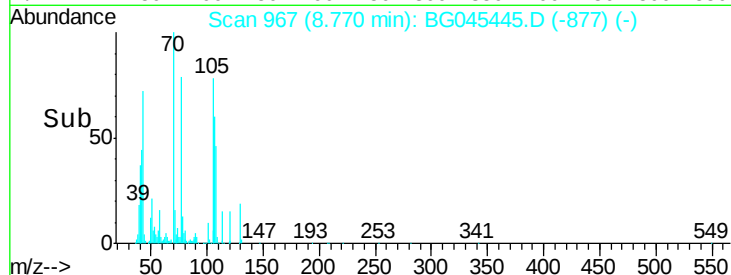
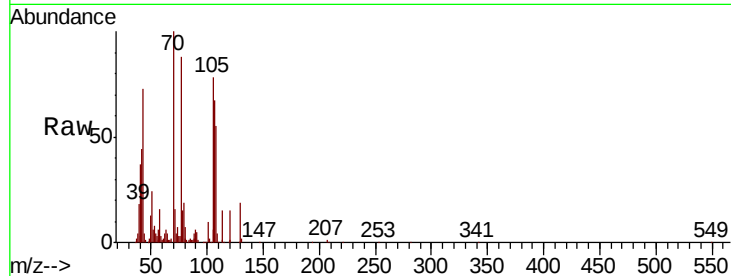
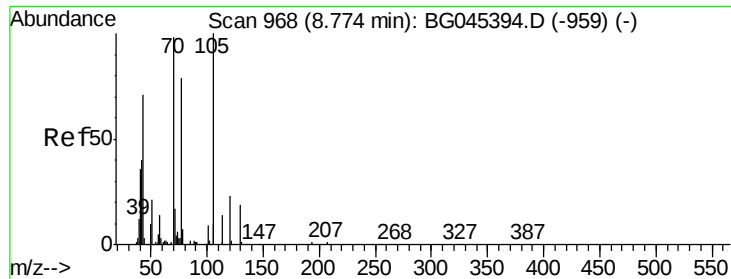
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#18
Hexachloroethane
Concen: 48.501 ng
RT: 9.05 min Scan# 1014
Delta R.T. -0.00 min
Lab File: BG045445.D
Acq: 21 May 2020 18:21

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	97.4	71.3	106.9	
201	118.1	87.5	131.3	





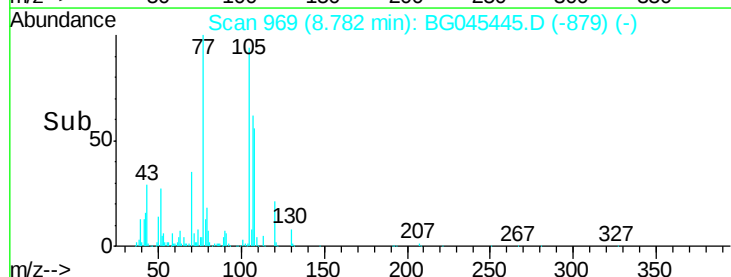
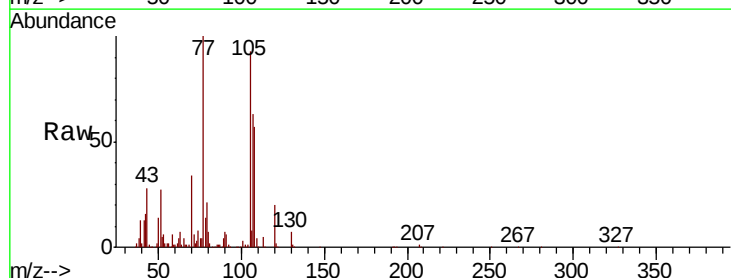
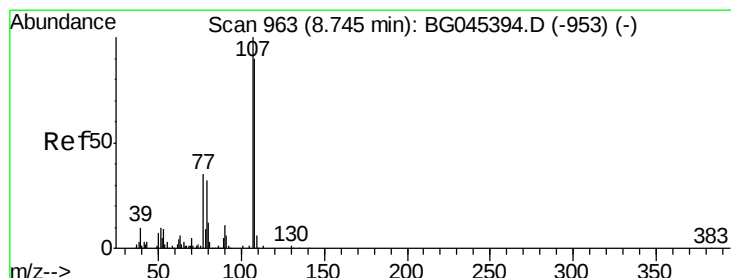
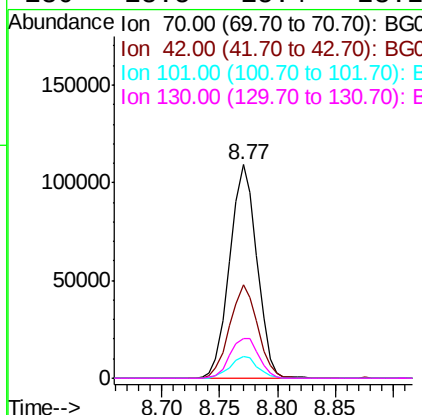
#19
n-Nitroso-di-n-propylamine
Concen: 52.603 ng
RT: 8.77 min Scan# 967
Delta R.T. -0.00 min
Lab File: BG045445.D
Acq: 21 May 2020 18:21

Tot Ion	Ion	Ratio	Resp	Lower	Upper
70	100		178695		
42	43.8	33.2	49.8		
101	10.2	7.8	11.6		
130	18.5	15.4	23.2		

Instrument :
BNA_G
ClientSampleId :
TR-04-052020MS

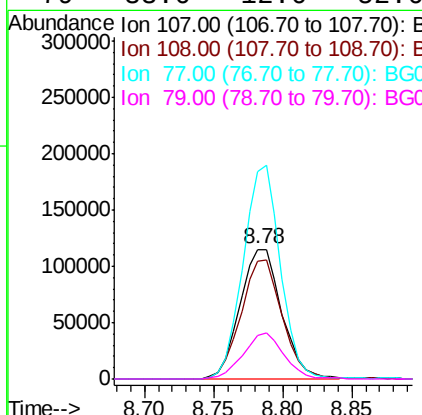
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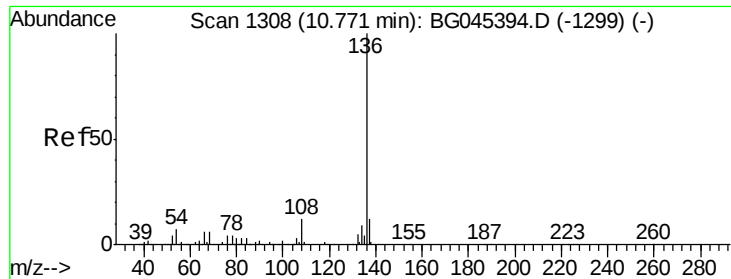
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#20
3+4-Methylphenols
Concen: 47.152 ng m
RT: 8.78 min Scan# 969
Delta R.T. -0.00 min
Lab File: BG045445.D
Acq: 21 May 2020 18:21

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100		243328		
108	91.0	70.3	110.3		
77	160.0	15.4	55.4#		
79	33.6	12.6	52.6		





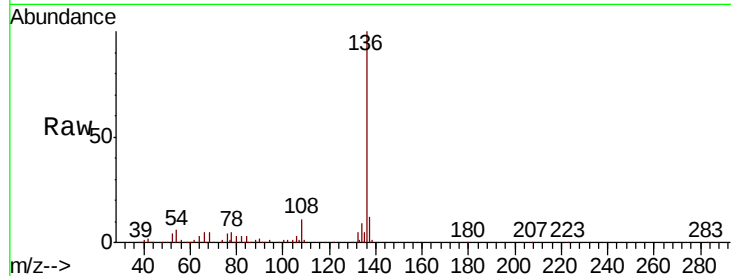
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.77 min Scan# 1308
Delta R.T. 0.01 min
Lab File: BG045445.D
Acq: 21 May 2020 18:21

Instrument :
BNA_G
ClientSampleId :
TR-04-052020MS

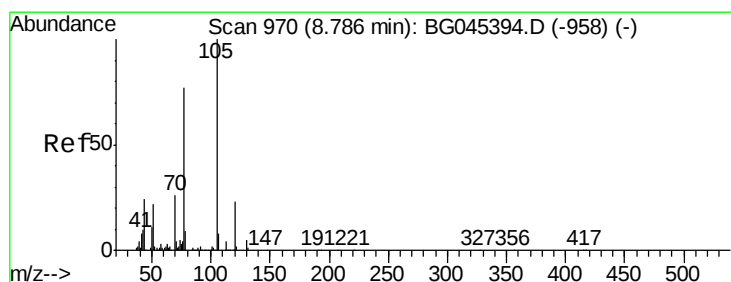
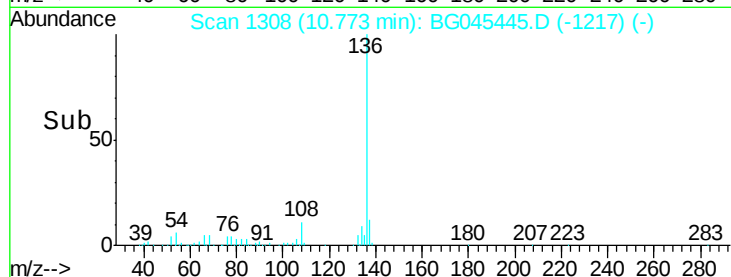
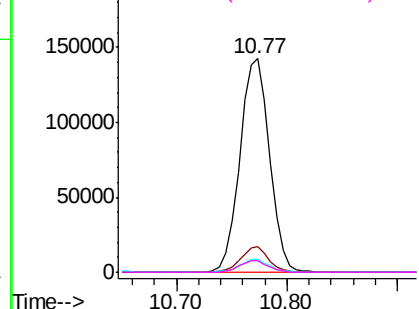
Tot Ion	Ratio	Resp	Lower	Upper
136	100	268189		
137	11.9		9.4	14.2
54	6.3		5.8	8.6
68	5.2		4.5	6.7

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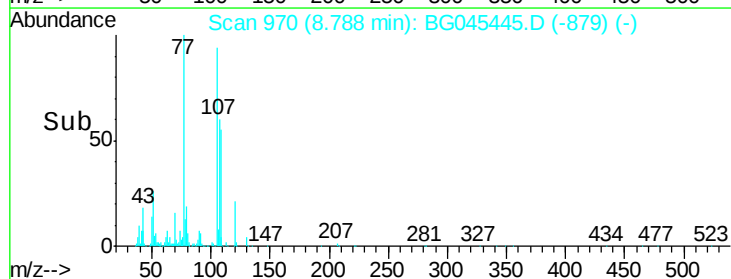
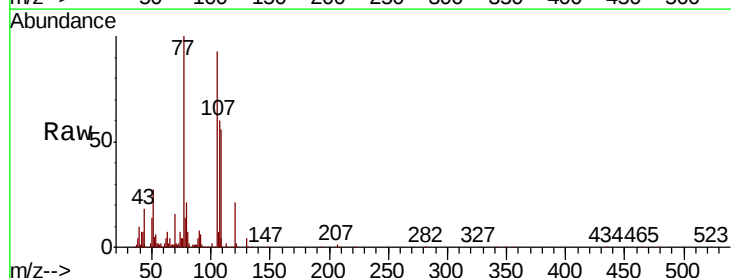
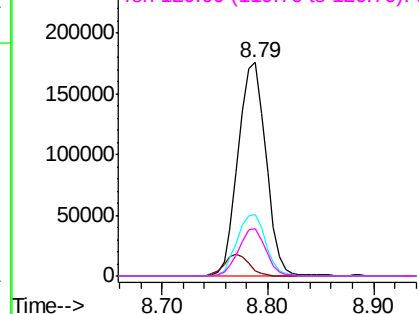
Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

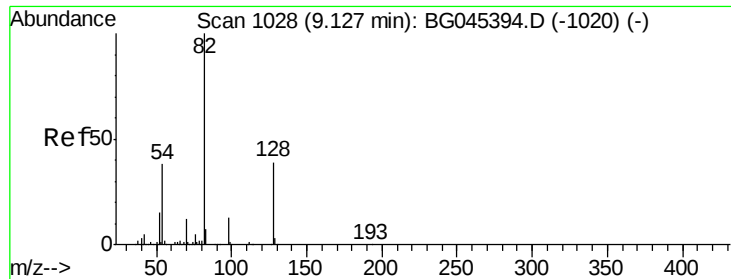


#22
Acetophenone
Concen: 50.594 ng
RT: 8.79 min Scan# 970
Delta R.T. 0.01 min
Lab File: BG045445.D
Acq: 21 May 2020 18:21

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	321595		
71	2.7		3.4	5.0#
51	28.6		18.2	27.2#
120	22.3		18.6	27.8

Abundance Ion 105.00 (104.70 to 105.70): E
Ion 71.00 (70.70 to 71.70): BGC
Ion 51.00 (50.70 to 51.70): BGC
Ion 120.00 (119.70 to 120.70): E





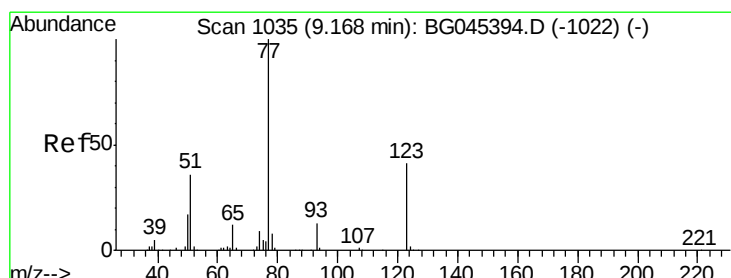
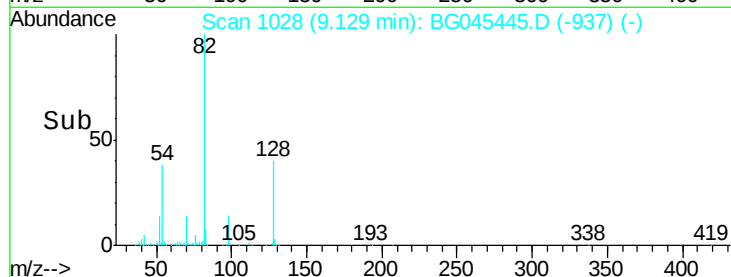
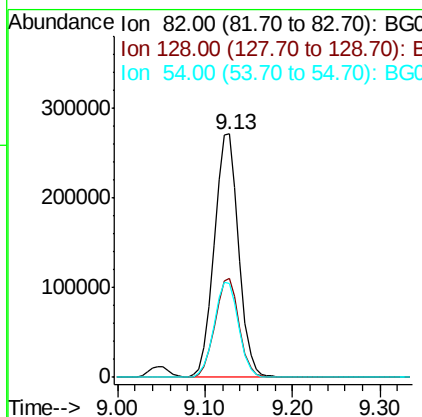
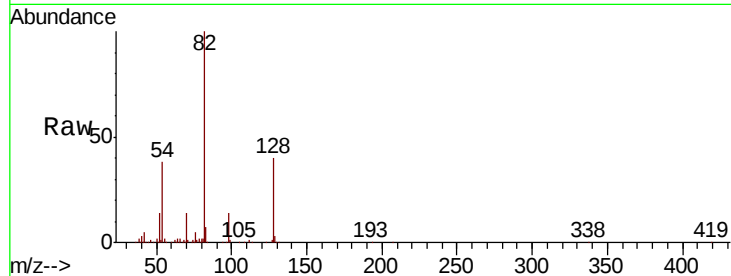
#23
 Nitrobenzene-d5
 Concen: 106.049 ng
 RT: 9.13 min Scan# 1028
 Delta R.T. 0.01 min
 Lab File: BG045445.D
 Acq: 21 May 2020 18:21

Instrument :
 BNA_G
 ClientSampleId :
 TR-04-052020MS

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	40.4		30.9	46.3
54	38.4		30.3	45.5

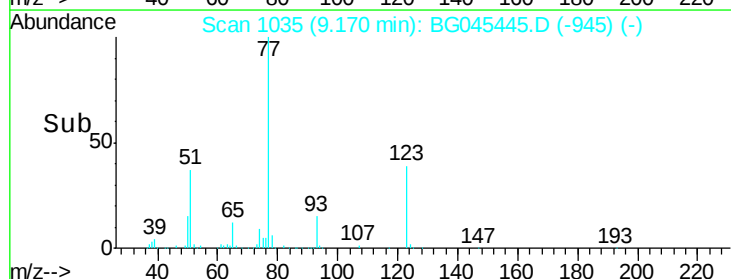
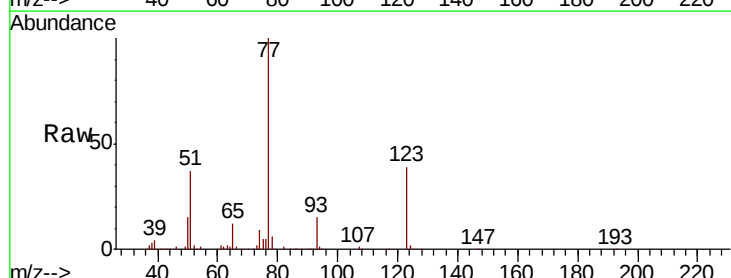
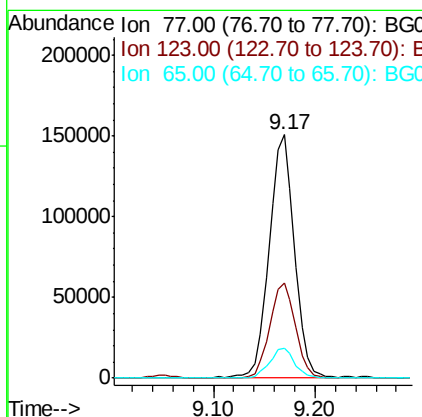
Manual Integrations
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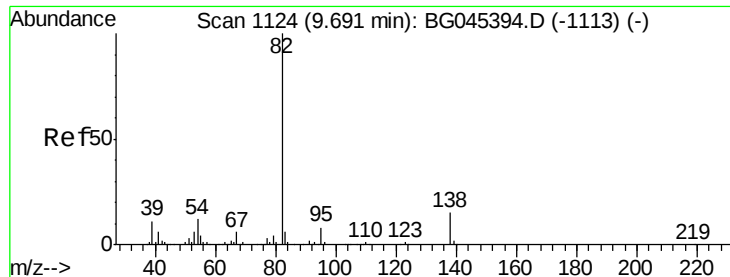
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#24
 Nitrobenzene
 Concen: 50.089 ng
 RT: 9.17 min Scan# 1035
 Delta R.T. -0.00 min
 Lab File: BG045445.D
 Acq: 21 May 2020 18:21

Tgt Ion	Ratio	Resp	Lower	Upper
77	100			
123	38.9		32.9	49.3
65	12.0		9.4	14.2





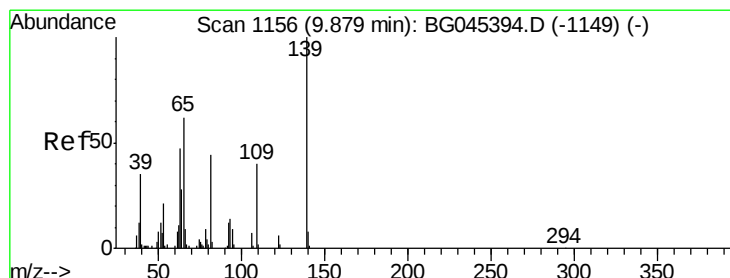
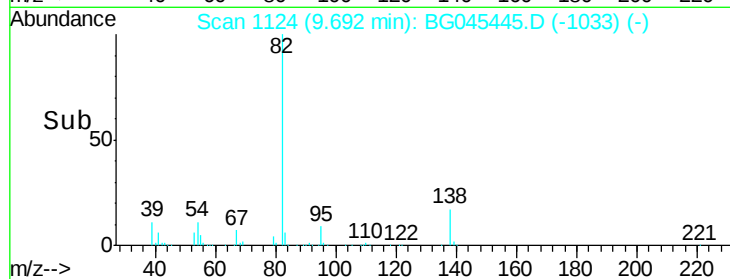
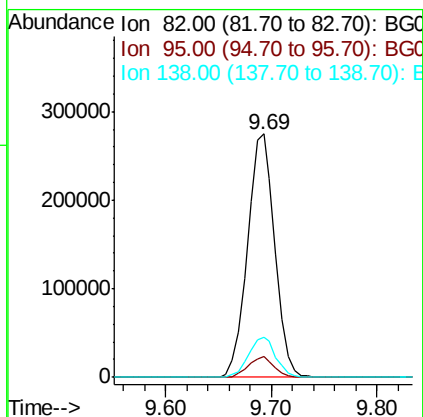
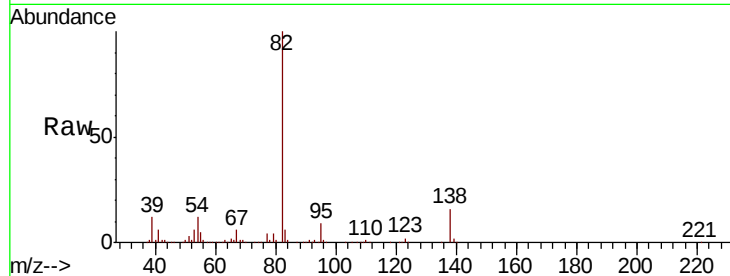
#25
Isophorone
Concen: 50.691 ng
RT: 9.69 min Scan# 1124
Delta R.T. 0.01 min
Lab File: BG045445.D
Acq: 21 May 2020 18:21

Instrument :
BNA_G
ClientSampleId :
TR-04-052020MS

Tot Ion	Ratio	Resp	Lower	Upper
82	100	490967		
95	8.6		6.7	10.1
138	16.2		12.2	18.4

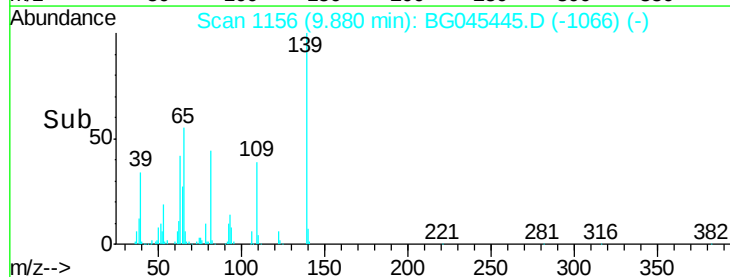
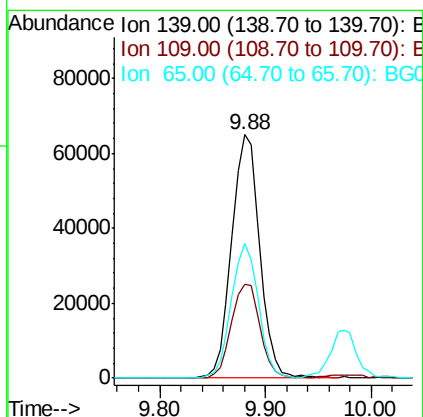
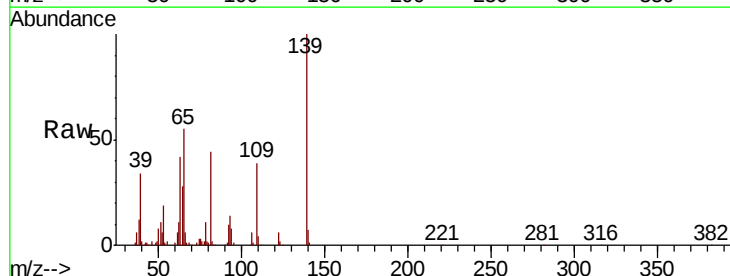
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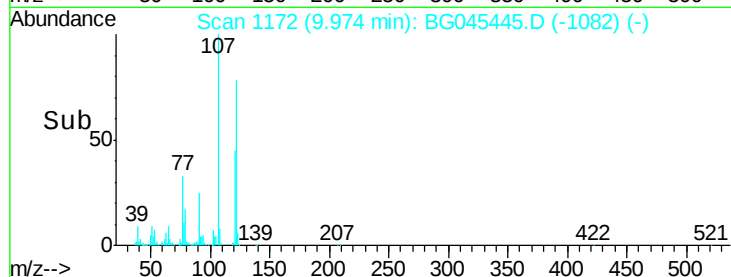
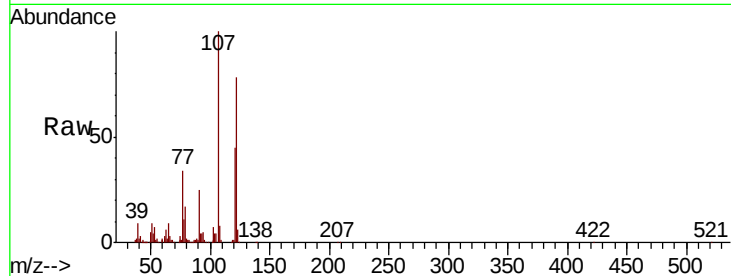
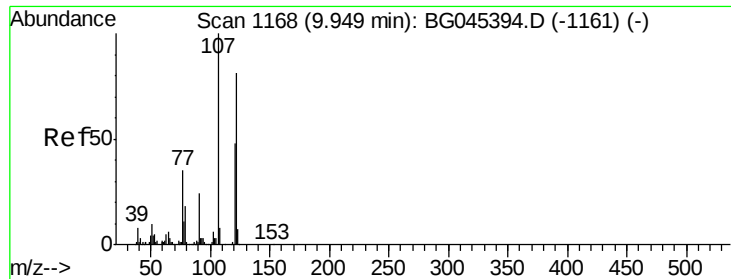
mohammad
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#26
2-Nitrophenol
Concen: 52.803 ng
RT: 9.88 min Scan# 1156
Delta R.T. -0.00 min
Lab File: BG045445.D
Acq: 21 May 2020 18:21

Tgt Ion	Ratio	Resp	Lower	Upper
139	100	119022		
109	38.7		32.2	48.4
65	55.4		49.6	74.4





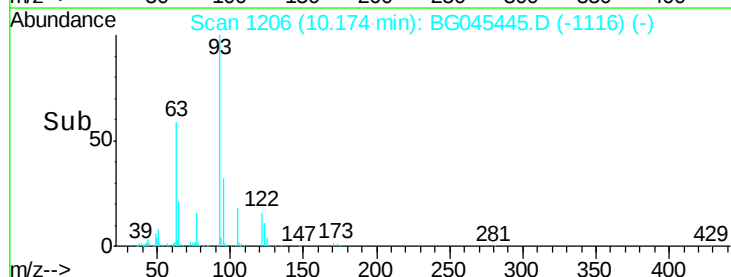
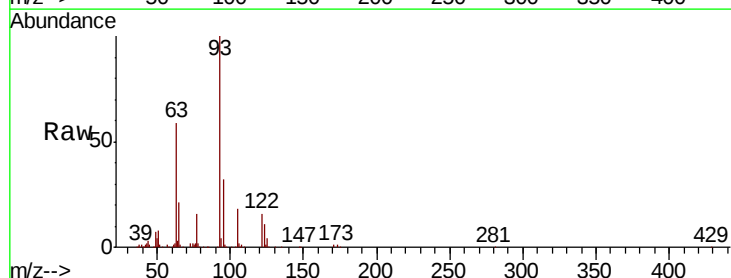
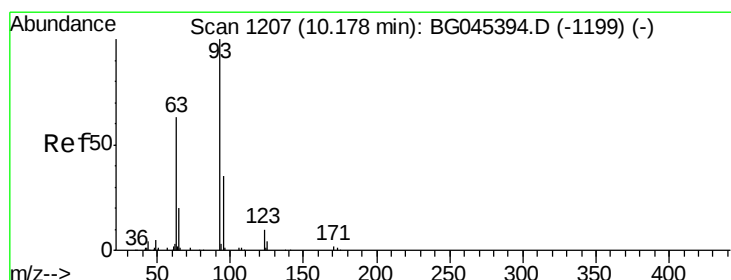
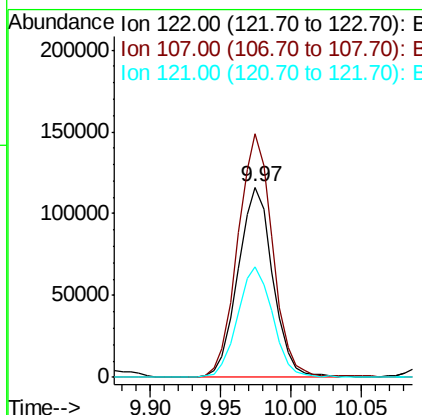
#27
2,4-Dimethylphenol
Concen: 59.791 ng
RT: 9.97 min Scan# 1172
Delta R.T. -0.00 min
Lab File: BG045445.D
Acq: 21 May 2020 18:21

Tot Ion	Ratio	Resp	Lower	Upper
122	100	199890		
107	128.1	99.0	148.4	
121	58.2	47.7	71.5	

Instrument :
BNA_G
ClientSampleId :
TR-04-052020MS

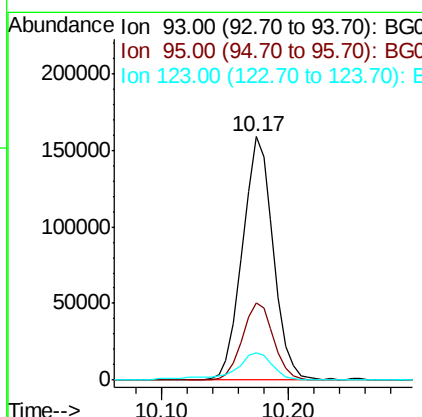
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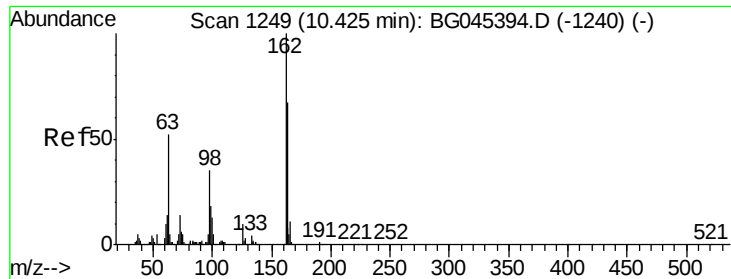
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#28
bis(2-Chloroethoxy)methane
Concen: 52.623 ng
RT: 10.17 min Scan# 1206
Delta R.T. -0.00 min
Lab File: BG045445.D
Acq: 21 May 2020 18:21

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	267294		
95	31.8	27.6	41.4	
123	11.0	8.1	12.1	





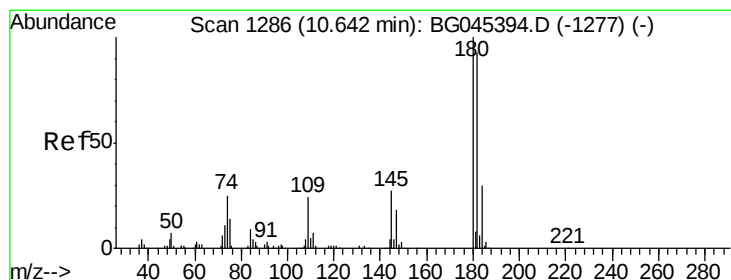
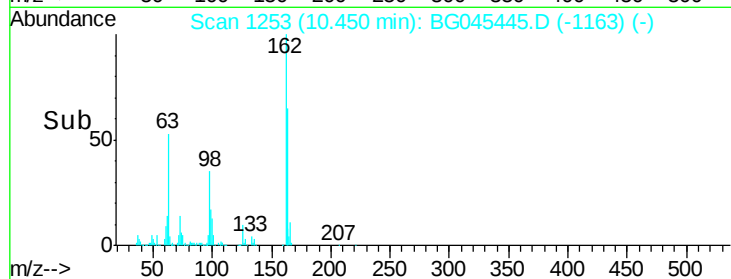
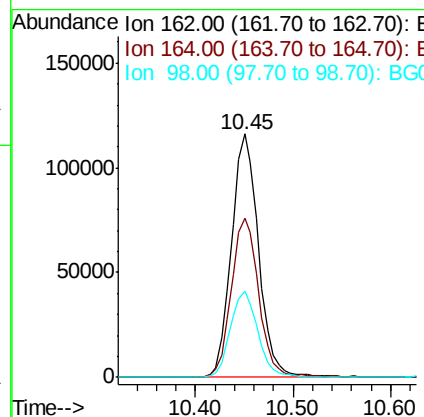
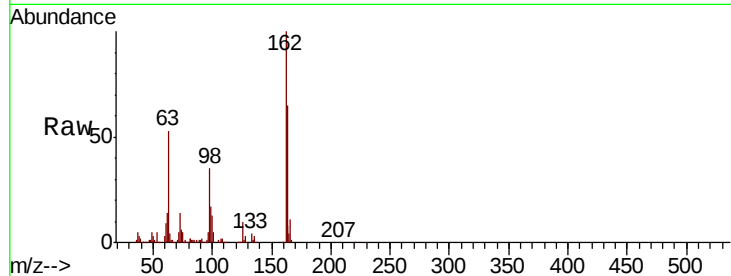
#29
 2,4-Dichlorophenol
 Concen: 56.533 ng
 RT: 10.45 min Scan# 1253
 Delta R.T. -0.00 min
 Lab File: BG045445.D
 Acq: 21 May 2020 18:21

Instrument :
 BNA_G
 ClientSampleId :
 TR-04-052020MS

Tot Ion	Ratio	Resp Lower	Upper
162	100		
164	65.2	46.8	86.8
98	35.2	15.2	55.2

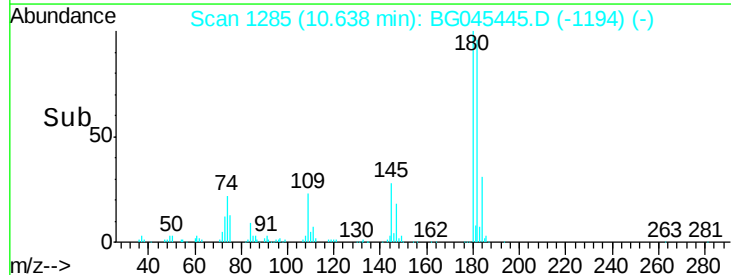
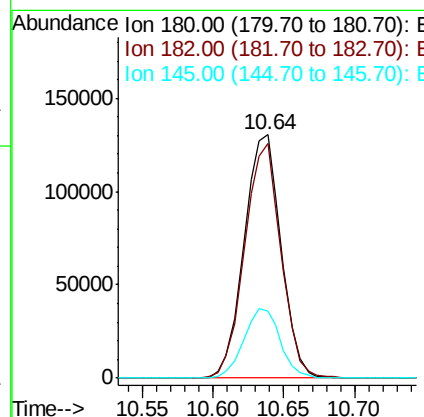
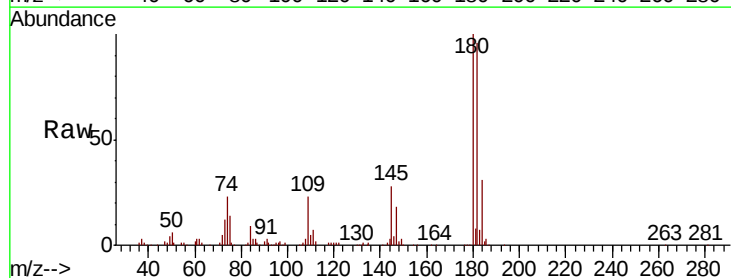
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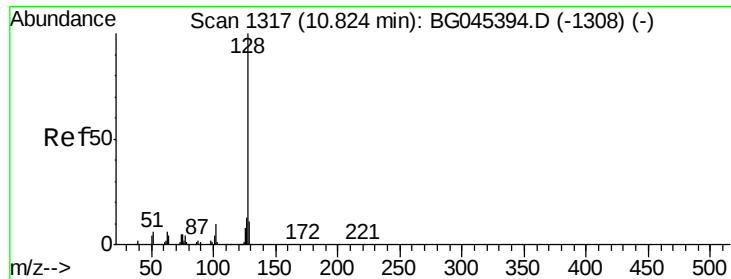
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#30
 1,2,4-Trichlorobenzene
 Concen: 51.096 ng
 RT: 10.64 min Scan# 1285
 Delta R.T. 0.01 min
 Lab File: BG045445.D
 Acq: 21 May 2020 18:21

Tgt Ion	Ratio	Resp Lower	Upper
180	100		
182	96.2	74.8	112.2
145	27.6	21.9	32.9





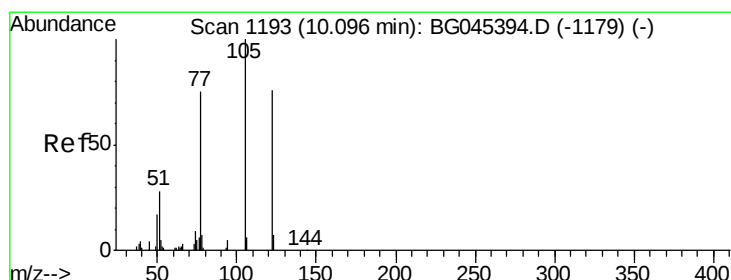
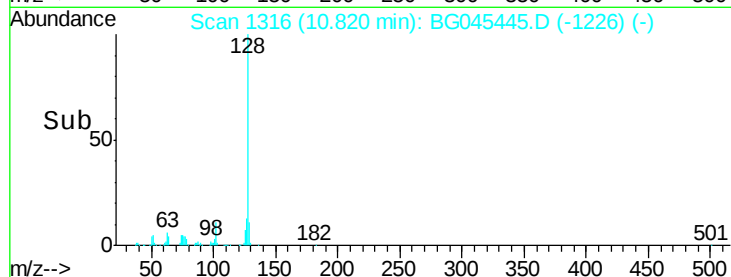
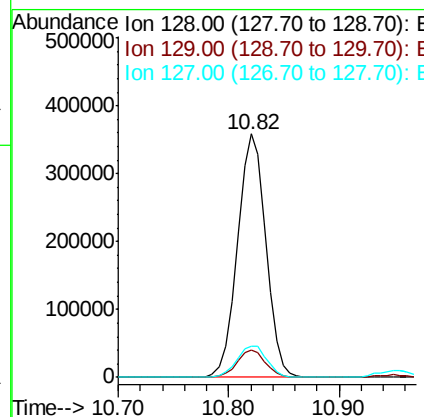
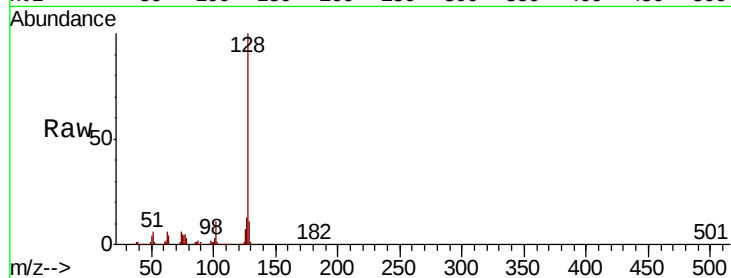
#31
Naphthalene
Concen: 51.697 ng
RT: 10.82 min Scan# 1316
Delta R.T. -0.00 min
Lab File: BG045445.D
Acq: 21 May 2020 18:21

Instrument :
BNA_G
ClientSampleId :
TR-04-052020MS

Tot Ion	Ratio	Resp	Lower	Upper
128	100	646078		
129	11.1		9.0	13.6
127	13.0		10.7	16.1

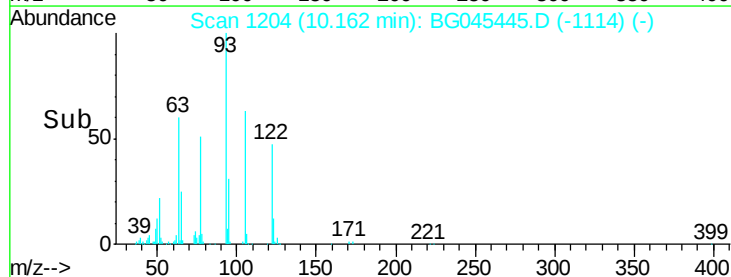
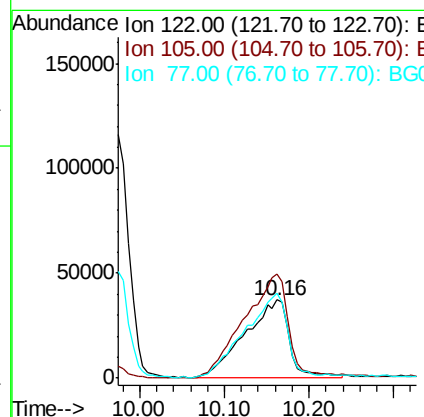
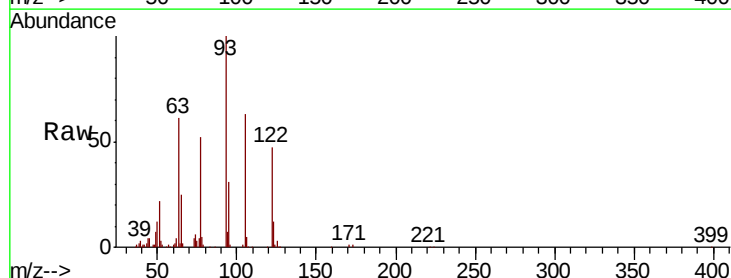
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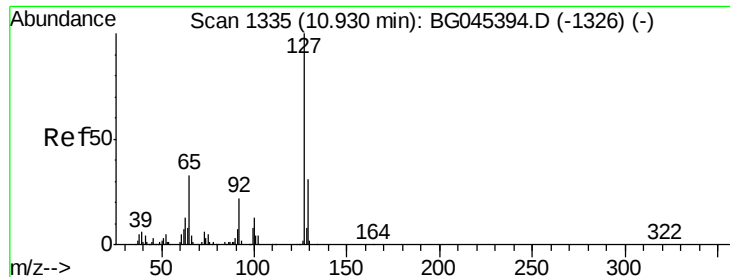
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#32
Benzoic acid
Concen: 56.675 ng
RT: 10.16 min Scan# 1204
Delta R.T. -0.00 min
Lab File: BG045445.D
Acq: 21 May 2020 18:21

Tgt Ion	Ratio	Resp	Lower	Upper
122	100	134069		
105	134.2		107.9	147.9
77	109.4		78.9	118.9





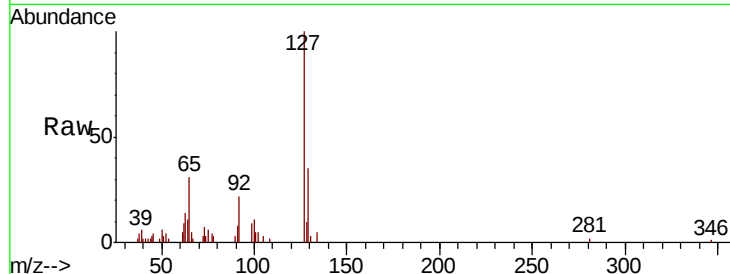
#33
4-Chloroaniline
Concen: 4.975 ng
RT: 10.95 min Scan# 1338
Delta R.T. 0.01 min
Lab File: BG045445.D
Acq: 21 May 2020 18:21

Instrument :
BNA_G
ClientSampleId :
TR-04-052020MS

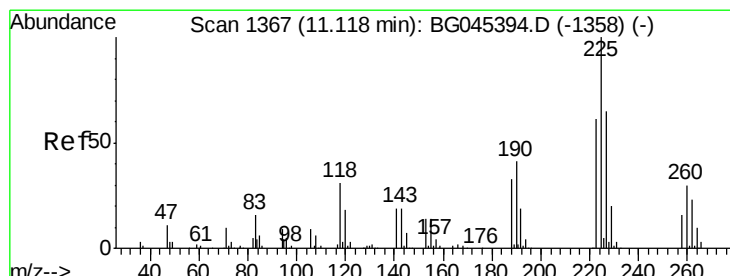
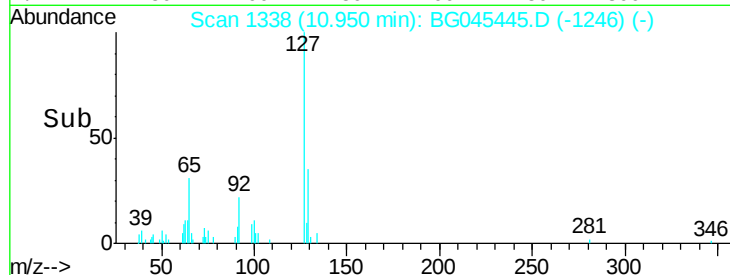
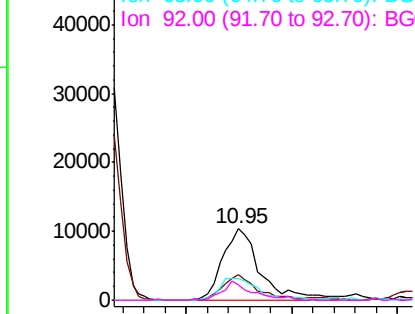
Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100		25987		
129	35.2	24.7	37.1		
65	30.6	26.2	39.2		
92	21.7	17.9	26.9		

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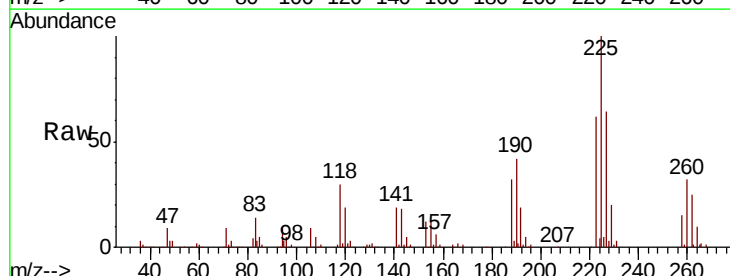


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BG
Ion 92.00 (91.70 to 92.70): BG

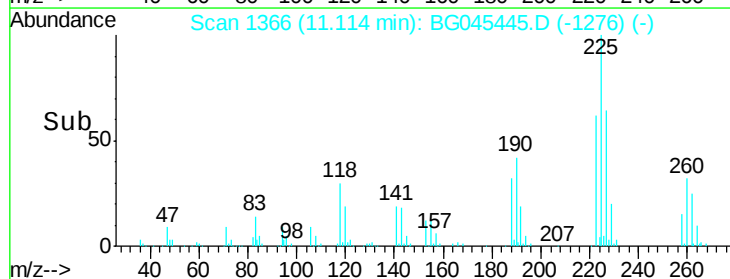
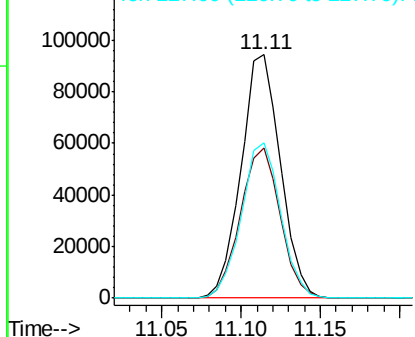


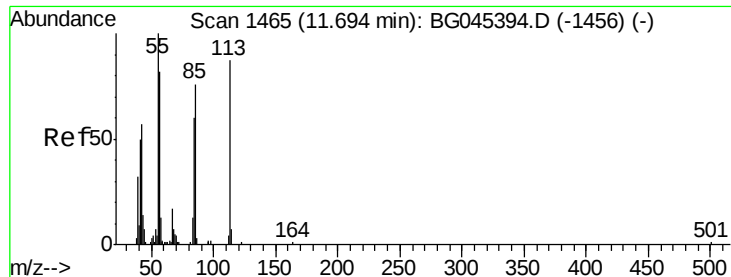
#34
Hexachlorobutadiene
Concen: 49.355 ng
RT: 11.11 min Scan# 1366
Delta R.T. -0.00 min
Lab File: BG045445.D
Acq: 21 May 2020 18:21

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100		162747		
223	61.8	49.1	73.7		
227	63.6	52.0	78.0		



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: 45.553 ng/ml

RT: 11.71 min Scan# 1467

Delta R.T. -0.00 min

Lab File: BG045445.D

Acq: 21 May 2020 18:21

Instrument :

BNA_G

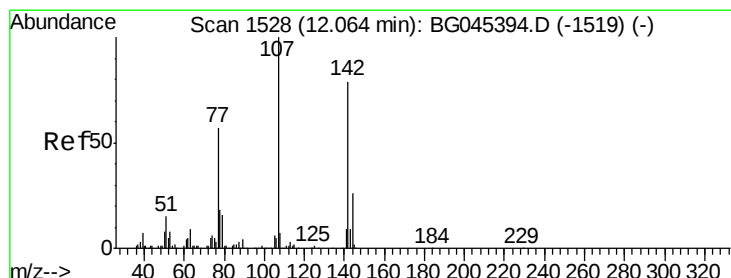
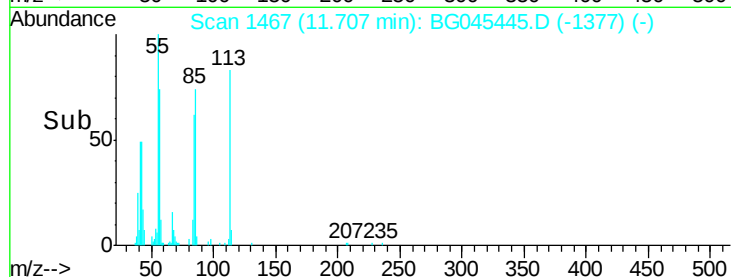
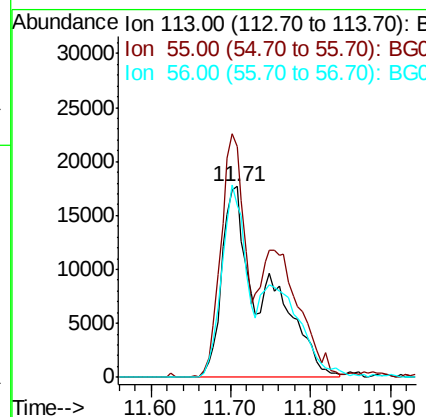
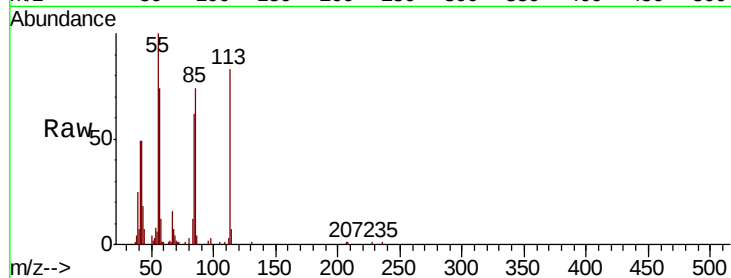
ClientSampleId :

TR-04-052020MS

Tot Ion:	113	Resp:	66009
Ion	Ratio	Lower	Upper
113	100		
55	120.7	96.0	136.0
56	89.8	75.1	115.1

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#36

4-Chloro-3-methylphenol

Concen: 57.049 ng/ml

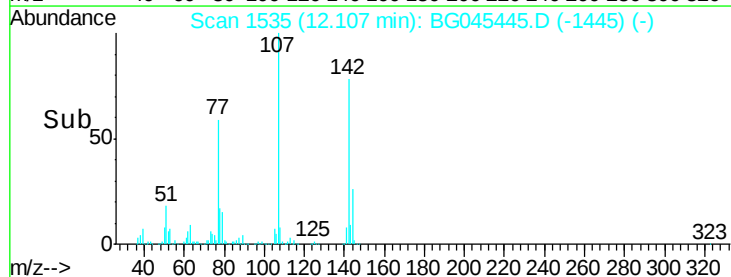
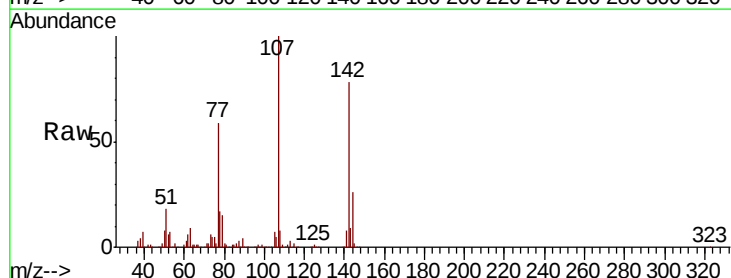
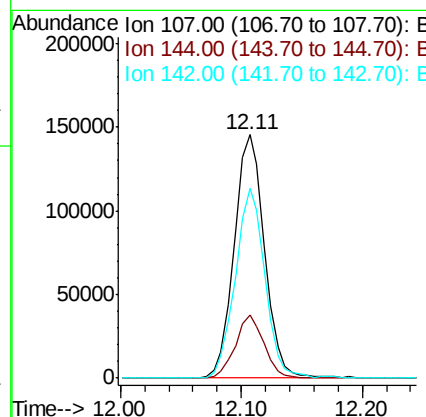
RT: 12.11 min Scan# 1535

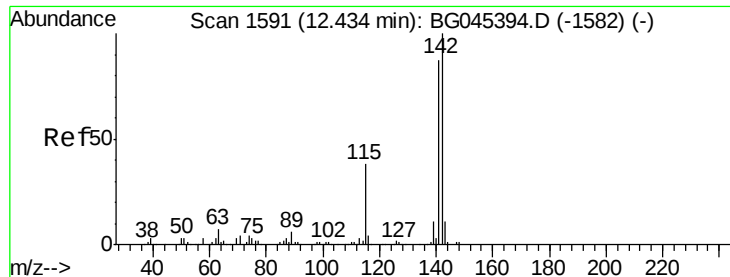
Delta R.T. -0.00 min

Lab File: BG045445.D

Acq: 21 May 2020 18:21

Tgt Ion:	107	Resp:	253787
Ion	Ratio	Lower	Upper
107	100		
144	25.8	20.8	31.2
142	78.2	62.8	94.2





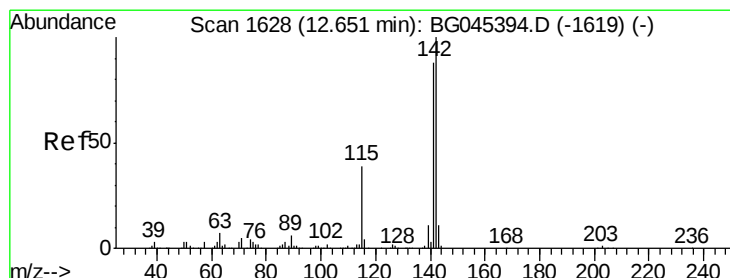
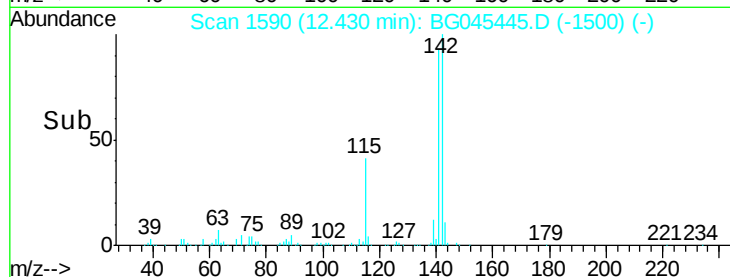
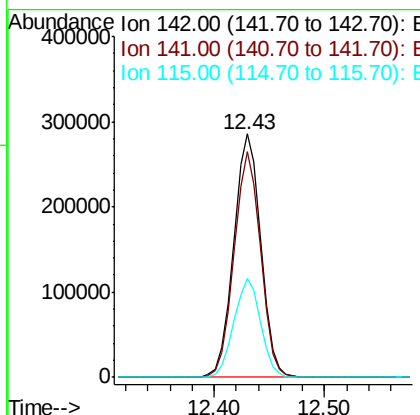
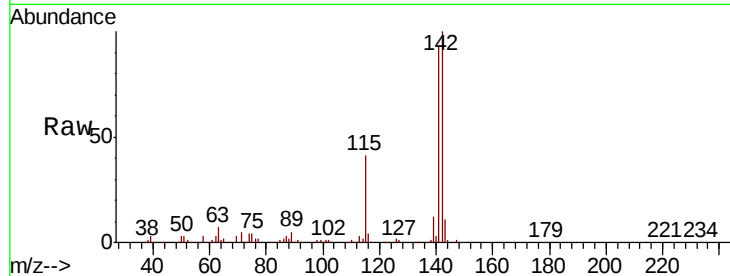
#37
2-Methylnaphthalene
Concen: 52.848 ng
RT: 12.43 min Scan# 1590
Delta R.T. -0.00 min
Lab File: BG045445.D
Acq: 21 May 2020 18:21

Instrument :
BNA_G
ClientSampleId :
TR-04-052020MS

Tot Ion	Ratio	Lower	Upper
142	100		
141	92.9	70.0	105.0
115	40.8	30.8	46.2

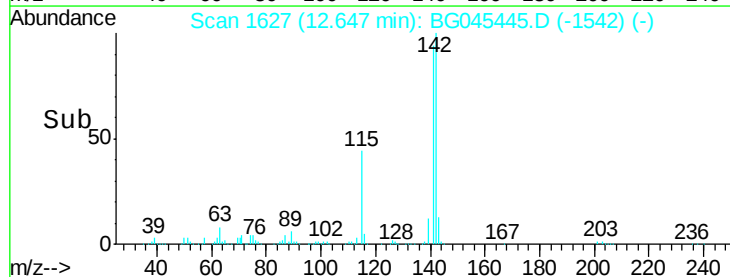
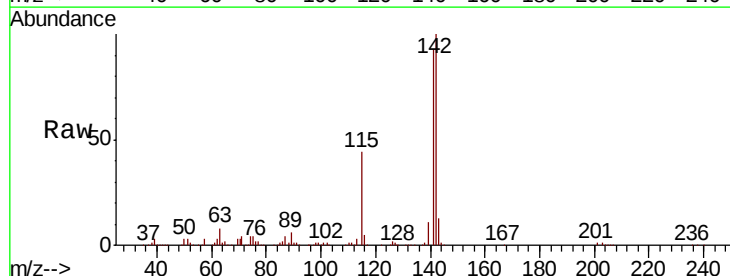
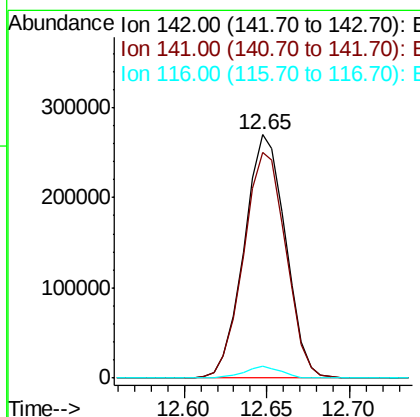
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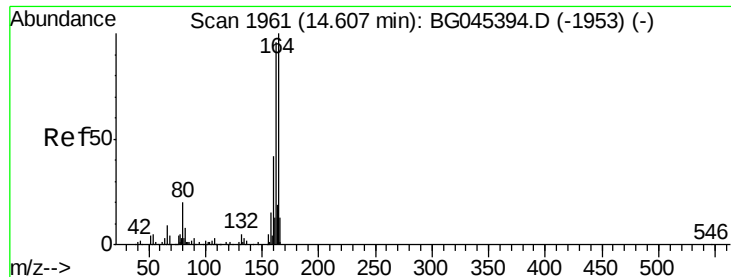
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#38
1-Methylnaphthalene
Concen: 53.445 ng m
RT: 12.65 min Scan# 1627
Delta R.T. -0.00 min
Lab File: BG045445.D
Acq: 21 May 2020 18:21

Tgt Ion	Ratio	Lower	Upper
142	100		
141	93.0	70.8	106.2
116	4.8	3.0	4.6#





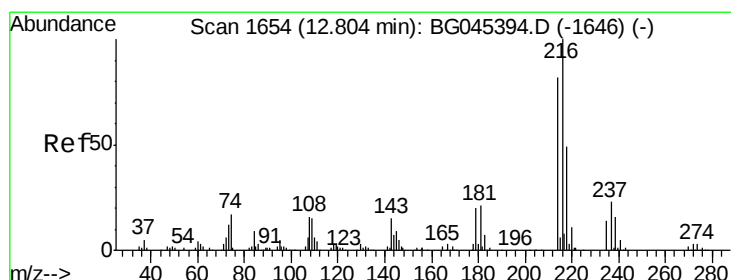
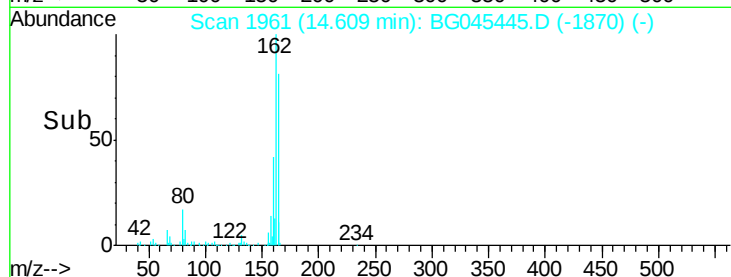
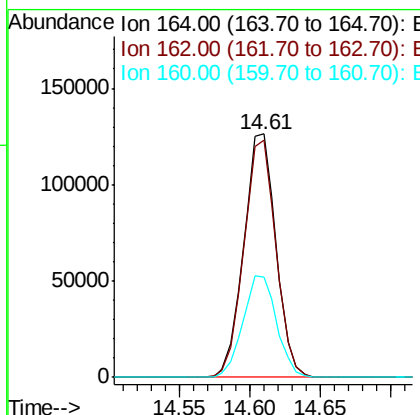
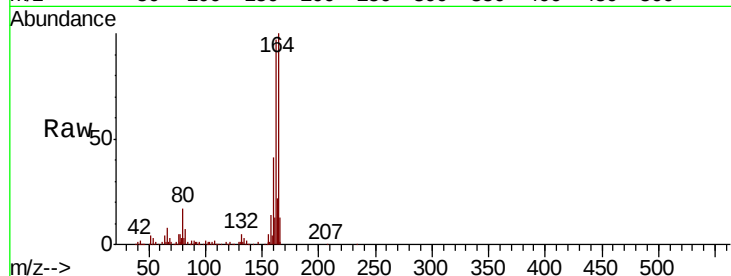
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.61 min Scan# 1961
Delta R.T. 0.01 min
Lab File: BG045445.D
Acq: 21 May 2020 18:21

Instrument :
BNA_G
ClientSampleId :
TR-04-052020MS

Tot Ion	Ratio	Lower	Upper
164	100		
162	97.4	76.9	115.3
160	41.3	33.8	50.8

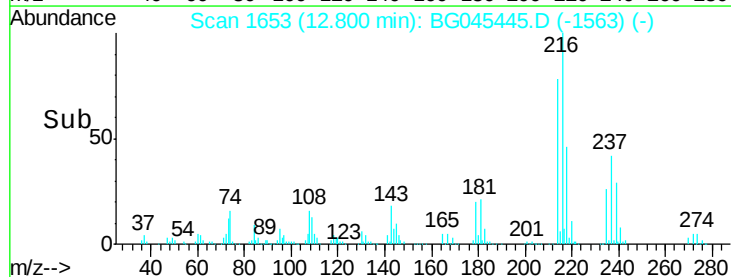
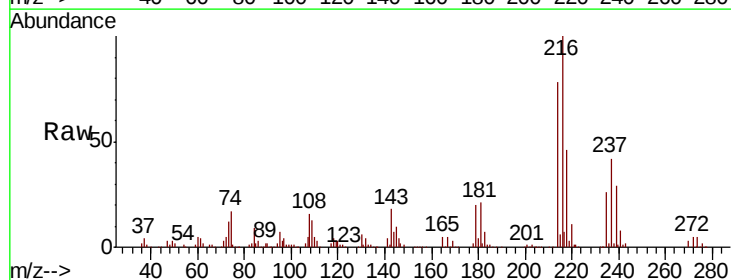
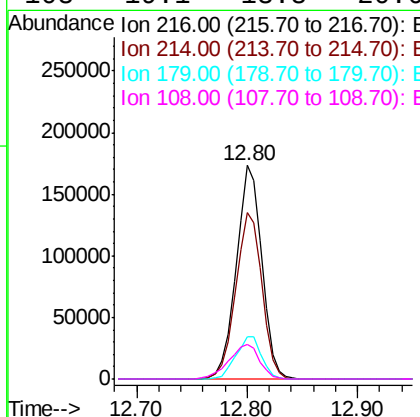
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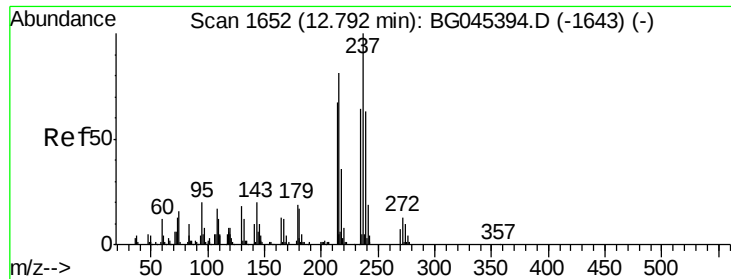
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#40
1,2,4,5-Tetrachlorobenzene
Concen: 49.778 ng
RT: 12.80 min Scan# 1653
Delta R.T. -0.00 min
Lab File: BG045445.D
Acq: 21 May 2020 18:21

Tgt Ion	Ratio	Lower	Upper
216	100		
214	79.8	63.7	95.5
179	20.1	16.1	24.1
108	19.1	13.8	20.6





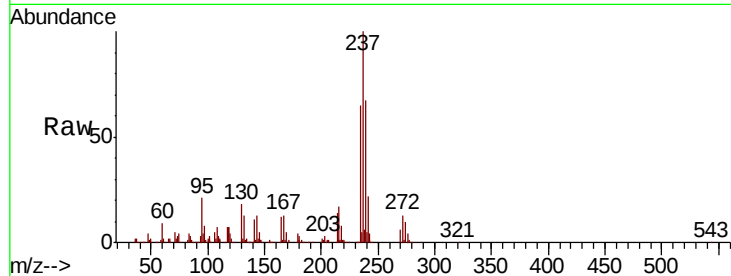
#41
Hexachlorocyclopentadiene
Concen: 114.812 ng
RT: 12.78 min Scan# 1650
Delta R.T. -0.00 min
Lab File: BG045445.D
Acq: 21 May 2020 18:21

Instrument :
BNA_G
ClientSampleId :
TR-04-052020MS

Tot Ion	Ratio	Resp Lower	Upper
237	100		
235	65.3	44.4	84.4
272	13.3	0.0	32.5

Manual Integrations
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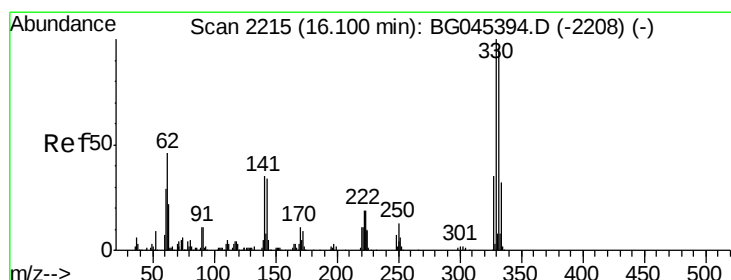
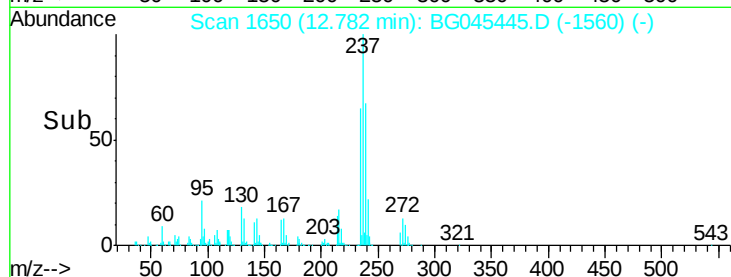
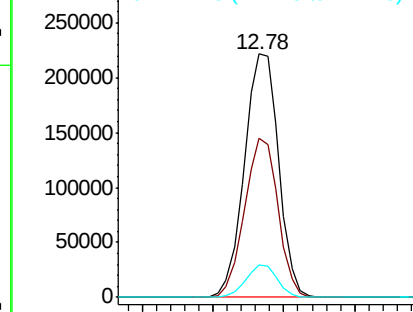


Abundance

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: 160.603 ng
RT: 16.11 min Scan# 2216
Delta R.T. 0.01 min
Lab File: BG045445.D
Acq: 21 May 2020 18:21

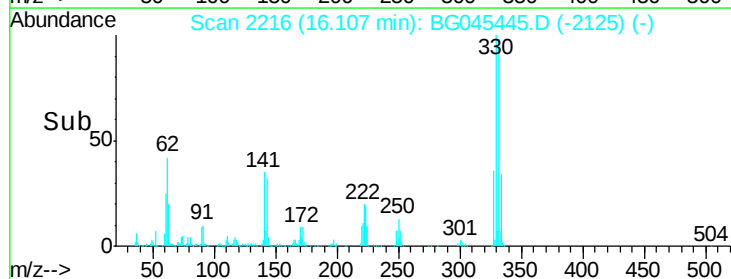
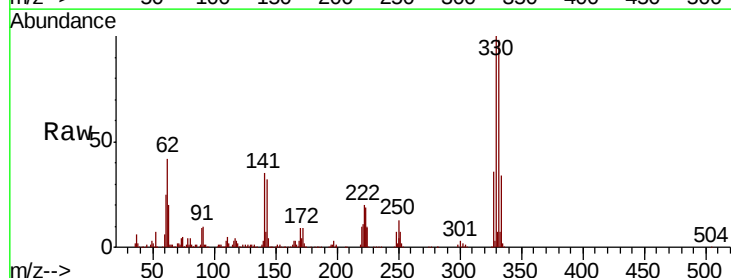
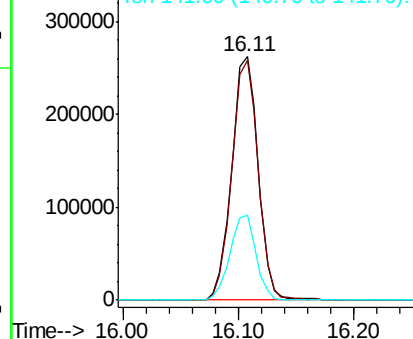
Tgt Ion	Ratio	Resp Lower	Upper
330	100		
332	97.8	78.2	117.4
141	34.6	28.2	42.4

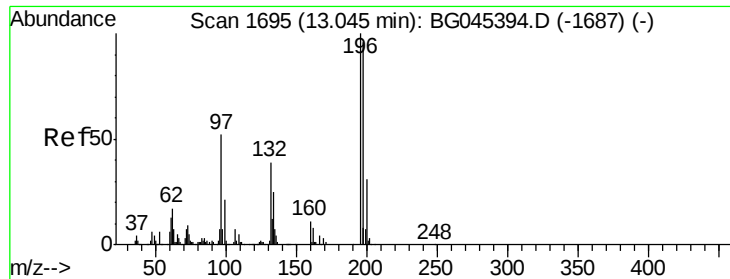
Abundance

Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





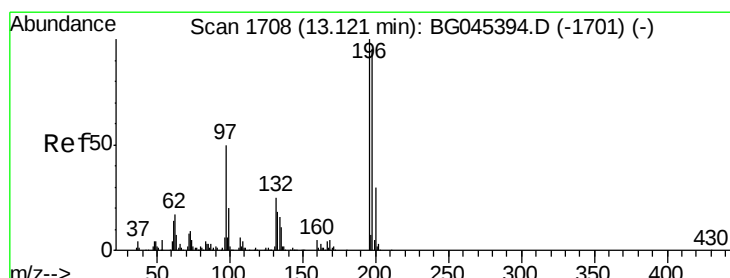
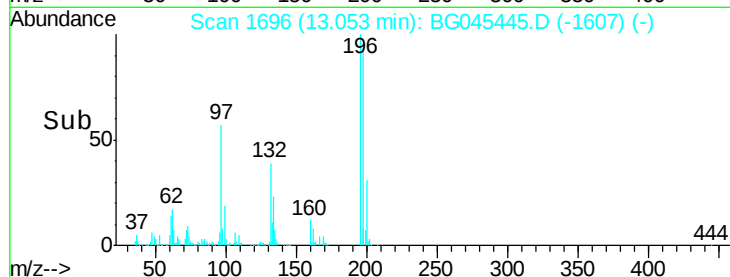
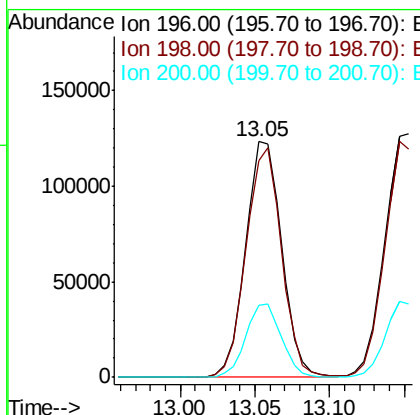
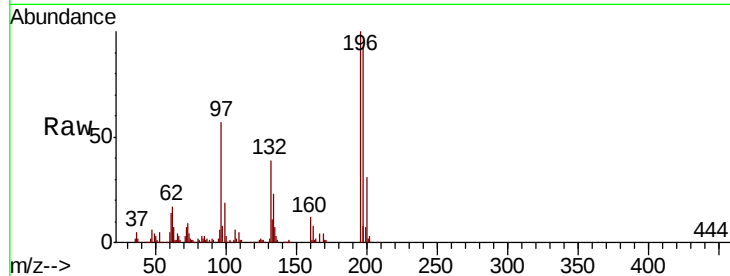
#43
 2,4,6-Trichlorophenol
 Concen: 52.530 ng
 RT: 13.05 min Scan# 1696
 Delta R.T. -0.01 min
 Lab File: BG045445.D
 Acq: 21 May 2020 18:21

Instrument :
 BNA_G
 ClientSampleId :
 TR-04-052020MS

Tot Ion	Ratio	Resp	Lower	Upper
196	100	206315		
198	91.9	76.7	115.1	
200	30.6	24.9	37.3	

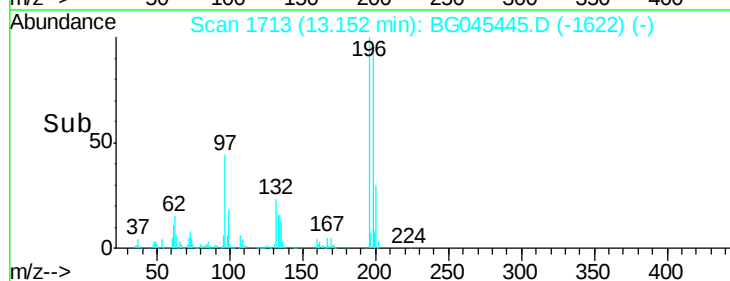
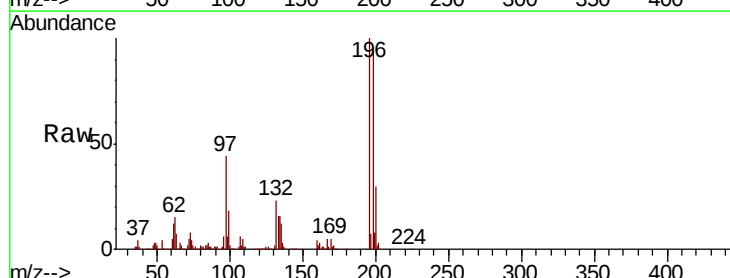
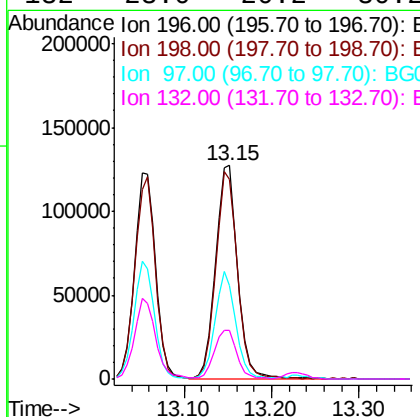
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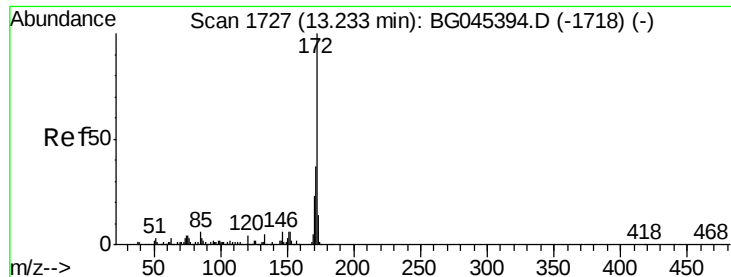
mohammad
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#44
 2,4,5-Trichlorophenol
 Concen: 49.439 ng
 RT: 13.15 min Scan# 1713
 Delta R.T. 0.01 min
 Lab File: BG045445.D
 Acq: 21 May 2020 18:21

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	221890		
198	93.6	76.1	114.1	
97	44.0	40.0	60.0	
132	23.0	20.2	30.2	





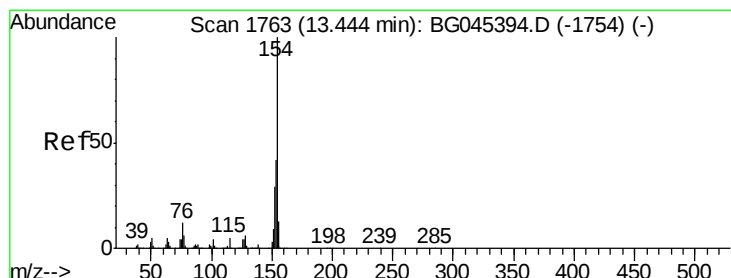
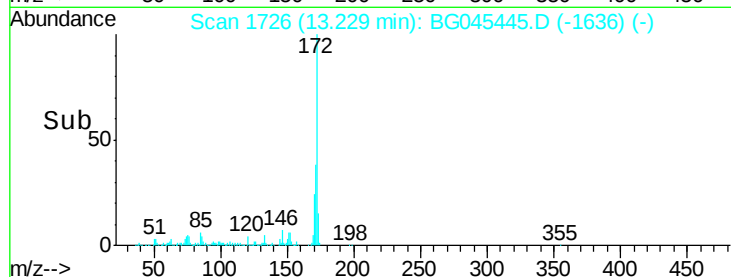
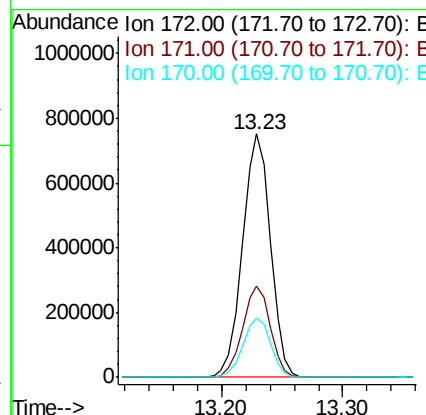
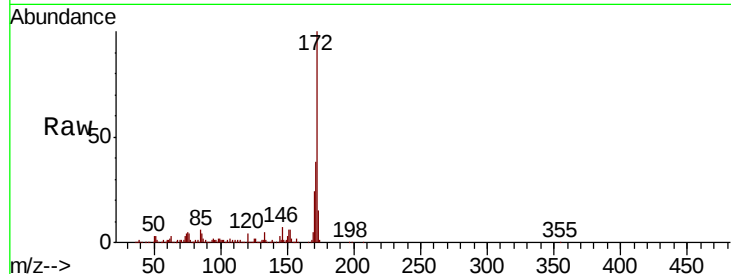
#45
2-Fluorobiphenyl
Concen: 101.209 ng
RT: 13.23 min Scan# 1726
Delta R.T. -0.00 min
Lab File: BG045445.D
Acq: 21 May 2020 18:21

Instrument :
BNA_G
ClientSampleId :
TR-04-052020MS

Tot Ion	Ratio	Lower	Upper
172	100		
171	37.5	29.5	44.3
170	24.1	18.5	27.7

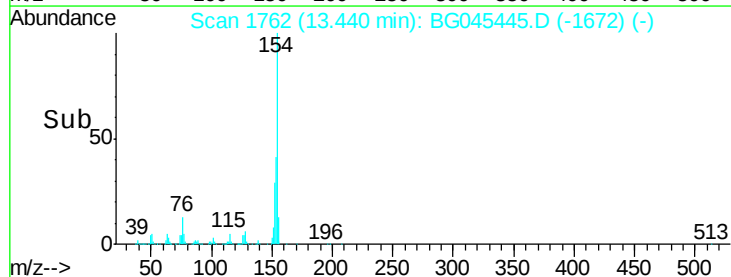
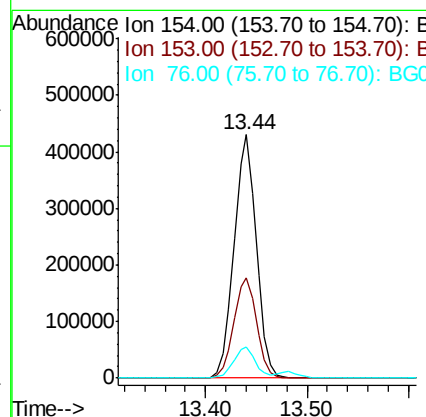
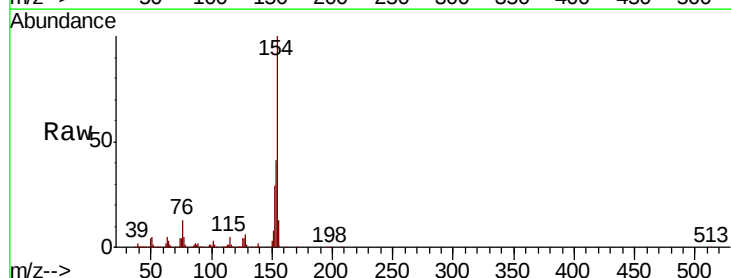
Manual Integrations
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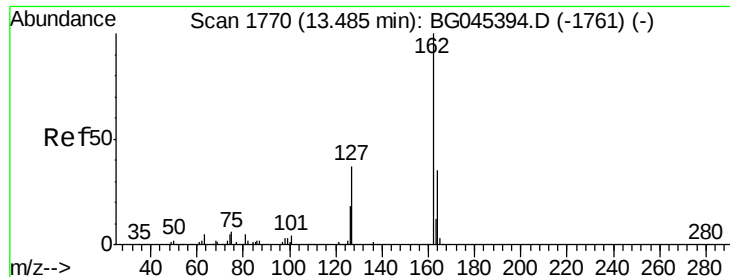
mohammad
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#46
1,1'-Biphenyl
Concen: 52.458 ng
RT: 13.44 min Scan# 1762
Delta R.T. -0.00 min
Lab File: BG045445.D
Acq: 21 May 2020 18:21

Tgt Ion	Ratio	Lower	Upper
154	100		
153	41.3	22.2	62.2
76	12.5	0.0	32.4





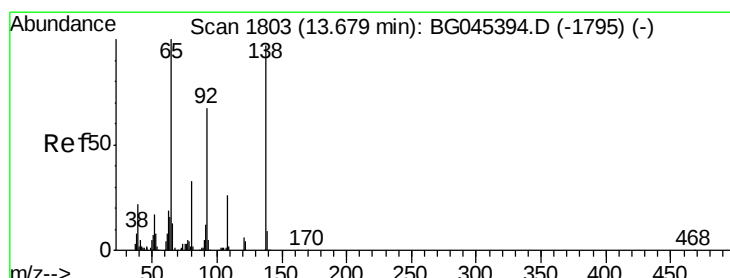
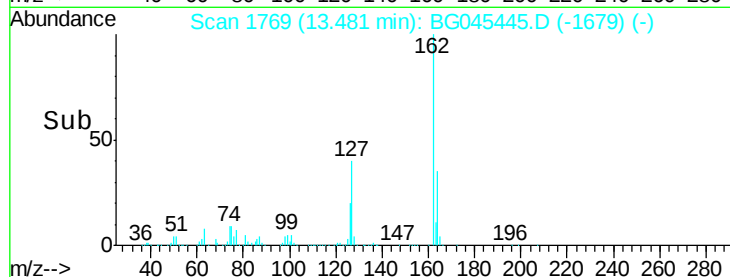
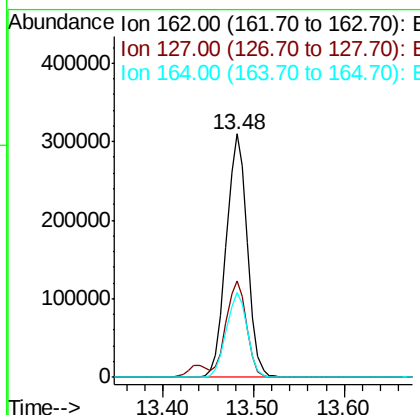
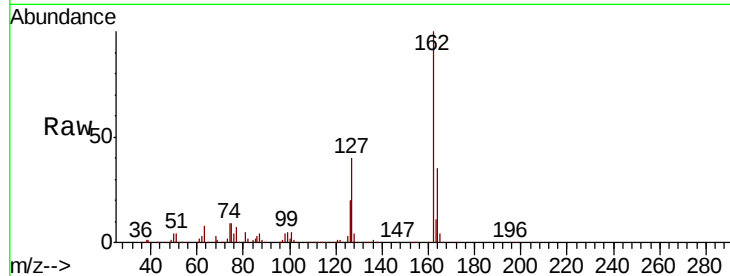
#47
2-Chloronaphthalene
Concen: 49.220 ng
RT: 13.48 min Scan# 1769
Delta R.T. -0.00 min
Lab File: BG045445.D
Acq: 21 May 2020 18:21

Instrument :
BNA_G
ClientSampleId :
TR-04-052020MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
162	100		497115		
127	39.8	31.6	47.4		
164	34.8	28.1	42.1		

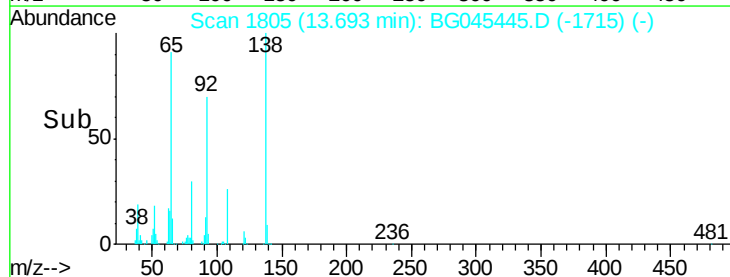
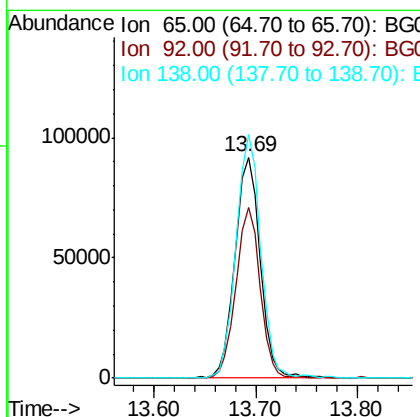
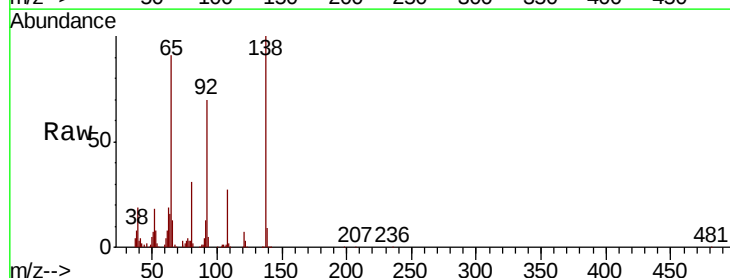
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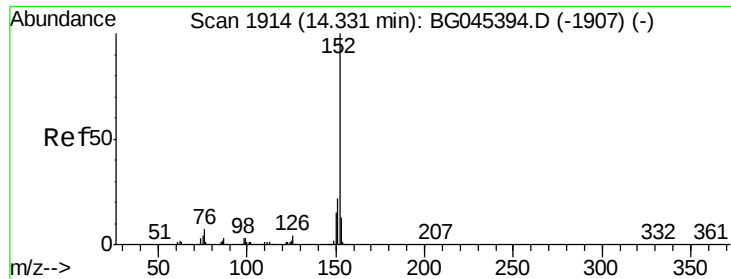
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#48
2-Nitroaniline
Concen: 48.151 ng
RT: 13.69 min Scan# 1805
Delta R.T. -0.00 min
Lab File: BG045445.D
Acq: 21 May 2020 18:21

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
65	100		159971		
92	77.3	53.8	80.8		
138	110.1	77.9	116.9		





#49

Acenaphthylene

Concen: 51.758 ng

RT: 14.33 min Scan# 1913

Delta R.T. -0.00 min

Lab File: BG045445.D

Acq: 21 May 2020 18:21

Instrument :

BNA_G

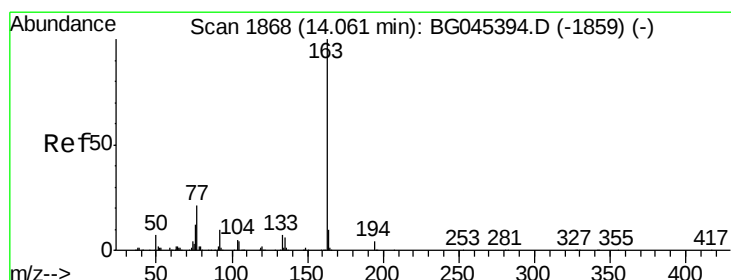
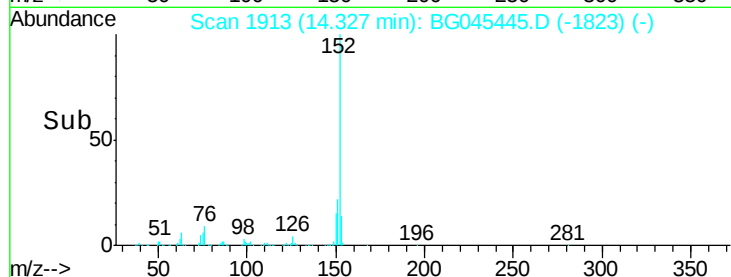
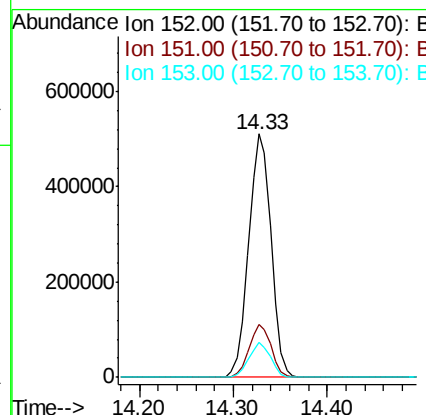
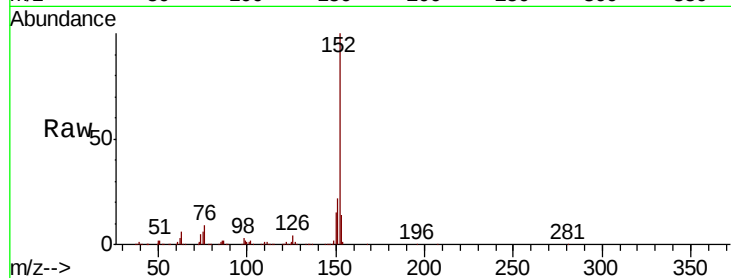
ClientSampleId :

TR-04-052020MS

Tot Ion:	152	Resp:	839663
Ion Ratio	Lower	Upper	
152	100		
151	21.8	17.4	26.2
153	14.1	10.7	16.1

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#50

Dimethylphthalate

Concen: 50.924 ng

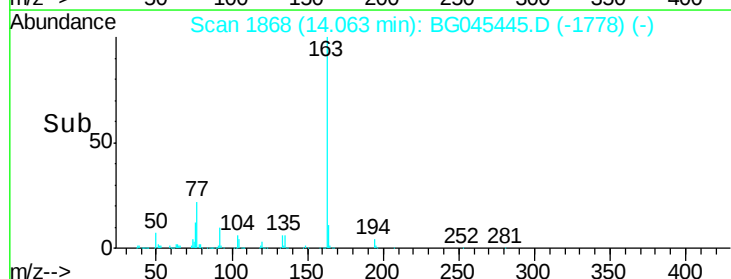
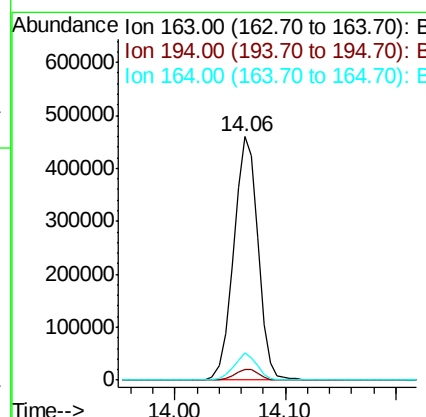
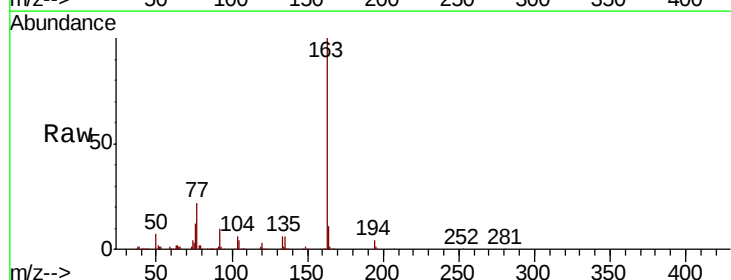
RT: 14.06 min Scan# 1868

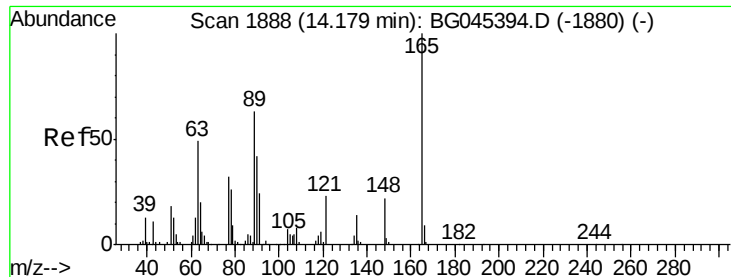
Delta R.T. -0.00 min

Lab File: BG045445.D

Acq: 21 May 2020 18:21

Tgt Ion:	163	Resp:	707117
Ion Ratio	Lower	Upper	
163	100		
194	4.3	3.2	4.8
164	11.2	8.3	12.5





#51

2,6-Dinitrotoluene

Concen: 51.419 ng

RT: 14.18 min Scan# 1888

Delta R.T. -0.00 min

Lab File: BG045445.D

Acq: 21 May 2020 18:21

Instrument :

BNA_G

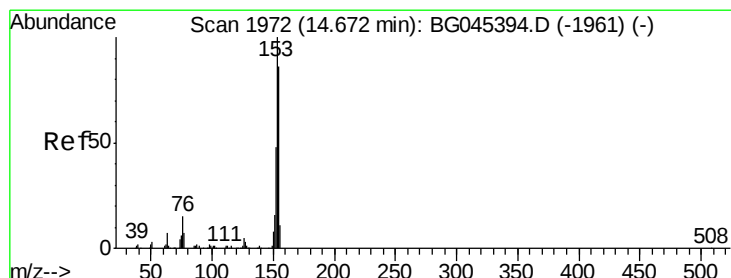
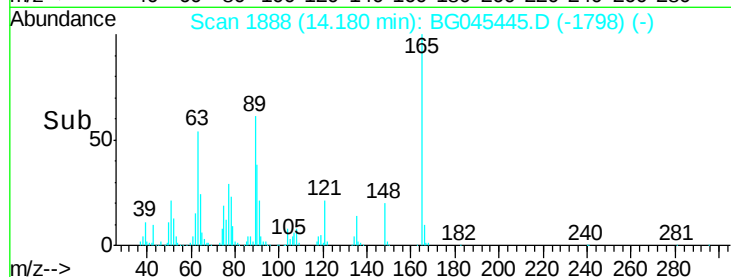
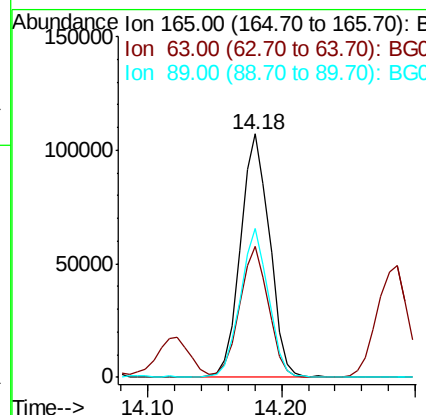
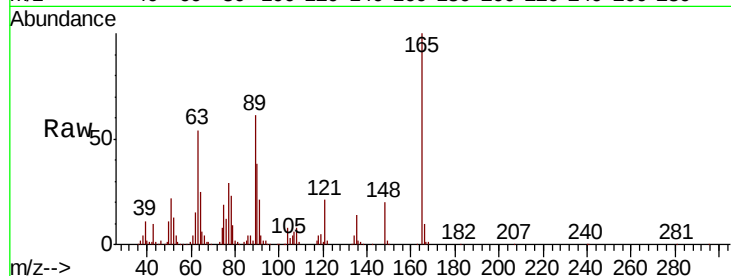
ClientSampleId :

TR-04-052020MS

Tot Ion:	165	Resp:	161114
Ion Ratio	Lower	Upper	
165	100		
63	53.8	45.0	67.4
89	61.2	50.2	75.4

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#52

Acenaphthene

Concen: 45.772 ng

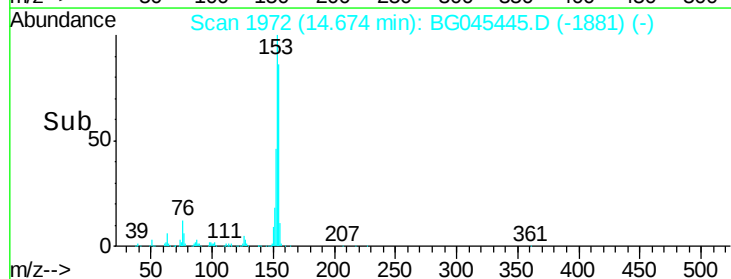
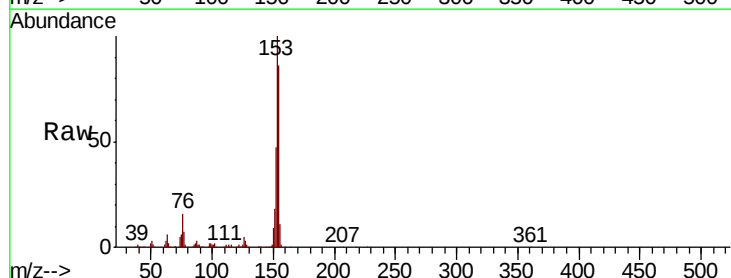
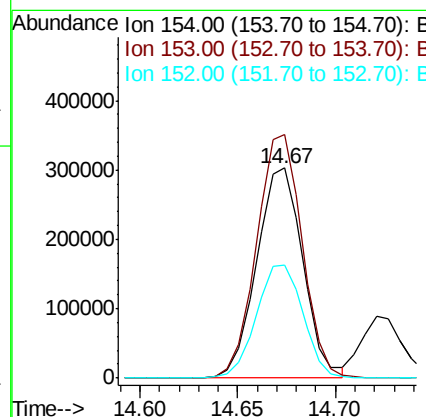
RT: 14.67 min Scan# 1972

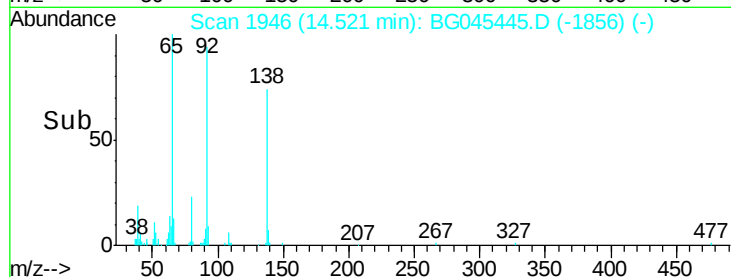
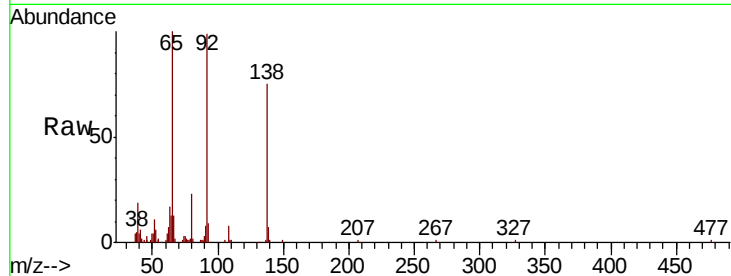
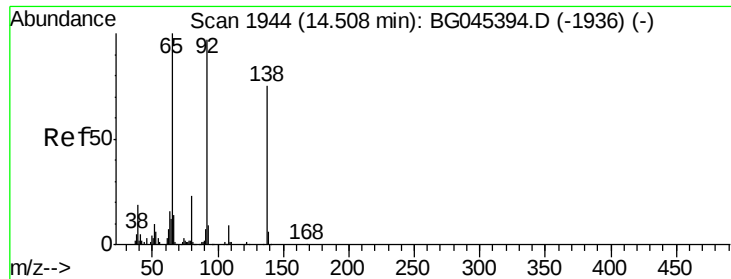
Delta R.T. 0.01 min

Lab File: BG045445.D

Acq: 21 May 2020 18:21

Tgt Ion:	154	Resp:	497057
Ion Ratio	Lower	Upper	
154	100		
153	116.0	92.8	139.2
152	54.0	44.6	66.8





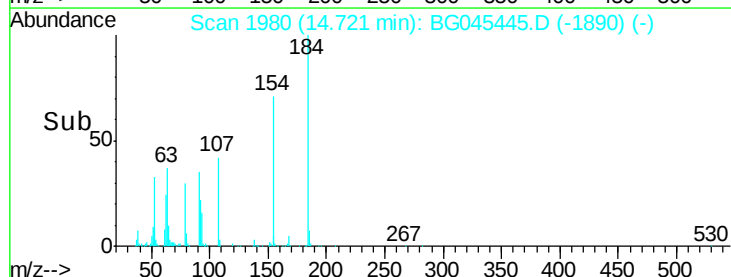
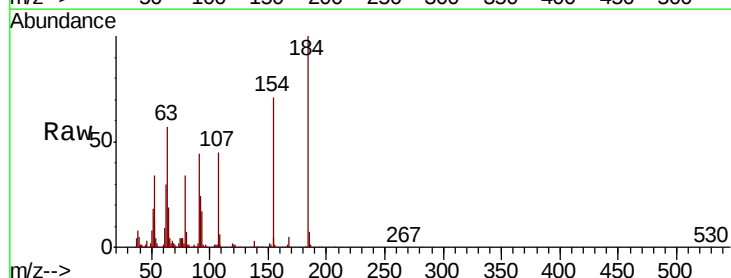
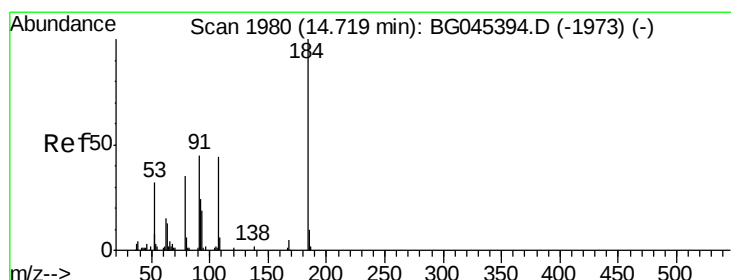
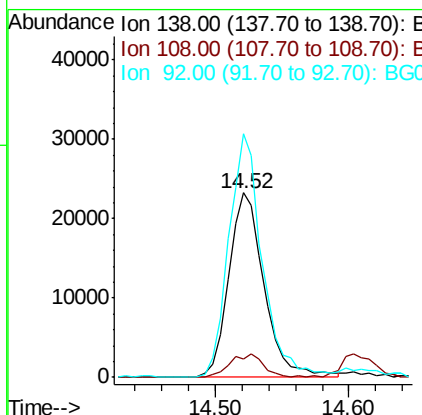
#53
3-Nitroaniline
Concen: 13.433 ng
RT: 14.52 min Scan# 1946
Delta R.T. -0.00 min
Lab File: BG045445.D
Acq: 21 May 2020 18:21

Instrument :
BNA_G
ClientSampleId :
TR-04-052020MS

Tot Ion:138 Resp: 42787
Ion Ratio Lower Upper
138 100
108 10.1 9.8 14.6
92 132.1 103.0 154.4

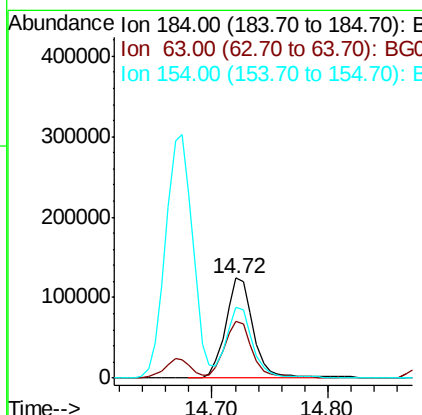
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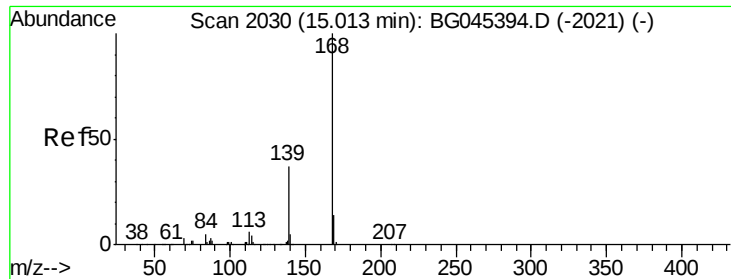
mohammad
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#54
2,4-Dinitrophenol
Concen: 99.608 ng
RT: 14.72 min Scan# 1980
Delta R.T. -0.00 min
Lab File: BG045445.D
Acq: 21 May 2020 18:21

Tgt Ion:184 Resp: 207398
Ion Ratio Lower Upper
184 100
63 57.1 47.8 71.6
154 71.1 58.3 87.5





#55

Dibenzenofuran

Concen: 50.178 ng

RT: 15.01 min Scan# 2029

Delta R.T. -0.00 min

Lab File: BG045445.D

Acq: 21 May 2020 18:21

Instrument :

BNA_G

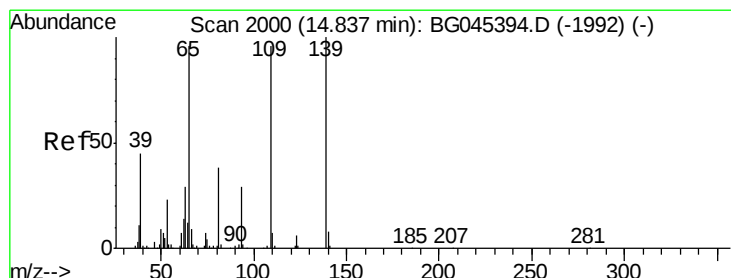
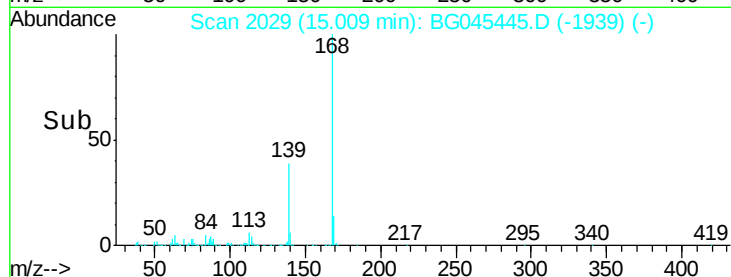
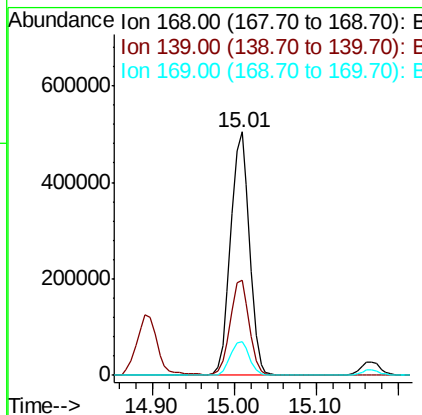
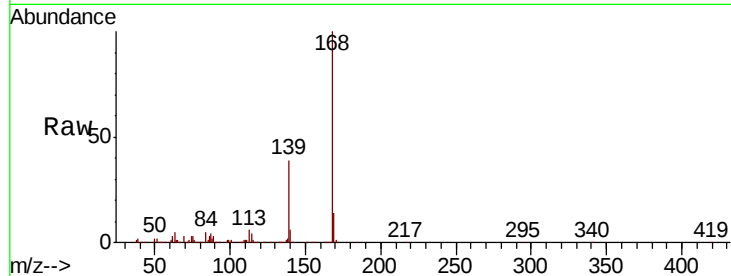
ClientSampleId :

TR-04-052020MS

Tot Ion:	168	Resp:	809185
Ion Ratio	Lower	Upper	
168	100		
139	39.0	29.9	44.9
169	13.9	10.9	16.3

Manual Integrations
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#56

4-Nitrophenol

Concen: 92.588 ng

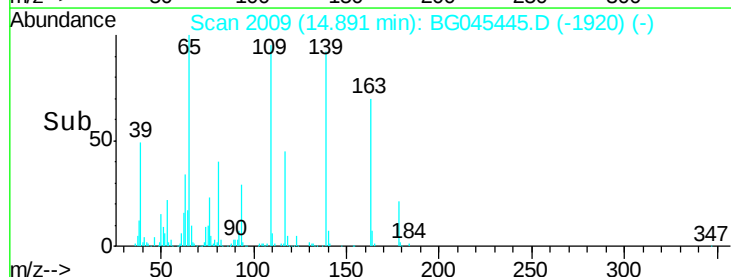
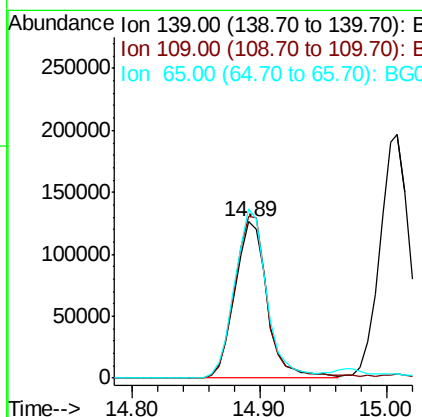
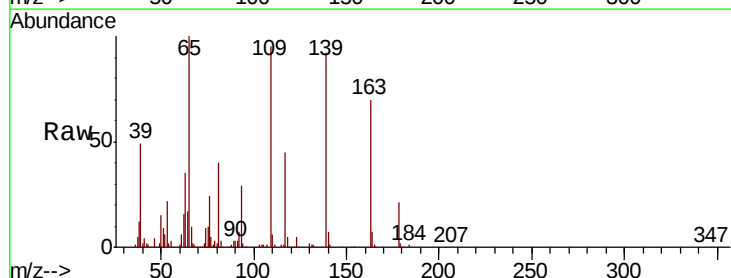
RT: 14.89 min Scan# 2009

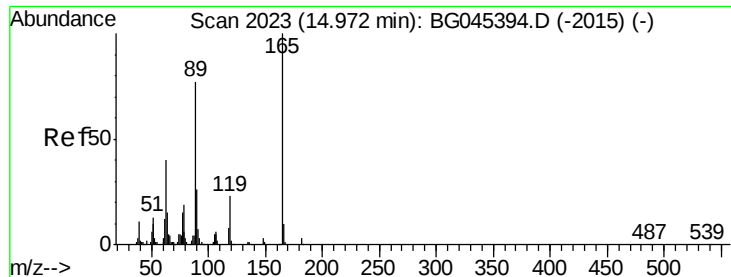
Delta R.T. -0.01 min

Lab File: BG045445.D

Acq: 21 May 2020 18:21

Tgt Ion:	139	Resp:	223275
Ion Ratio	Lower	Upper	
139	100		
109	103.7	75.6	115.6
65	108.6	76.8	116.8





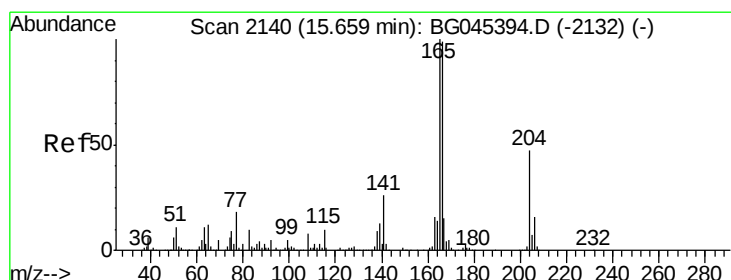
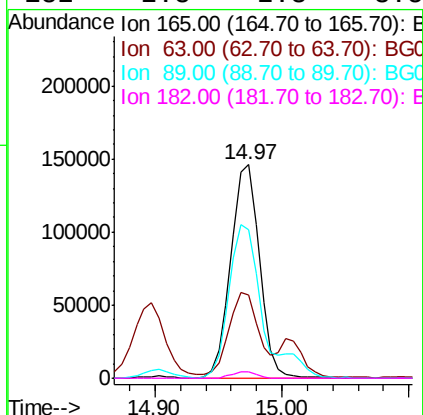
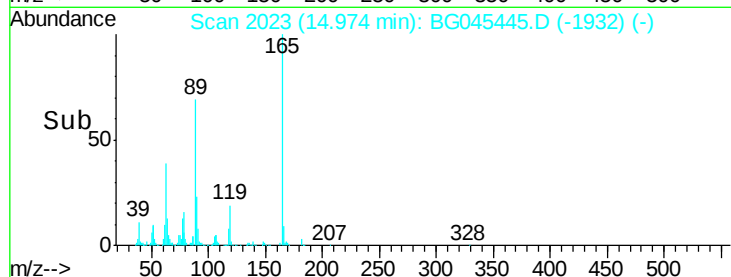
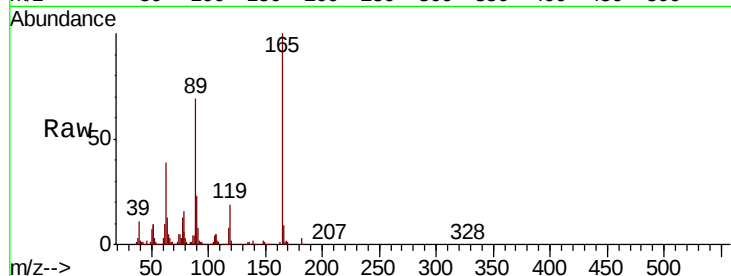
#57
2,4-Dinitrotoluene
Concen: 50.251 ng
RT: 14.97 min Scan# 2023
Delta R.T. 0.01 min
Lab File: BG045445.D
Acq: 21 May 2020 18:21

Instrument :
BNA_G
ClientSampleId :
TR-04-052020MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
165	100		228033		
63	38.9	32.5	48.7		
89	69.5	61.8	92.6		
182	2.8	2.3	3.5		

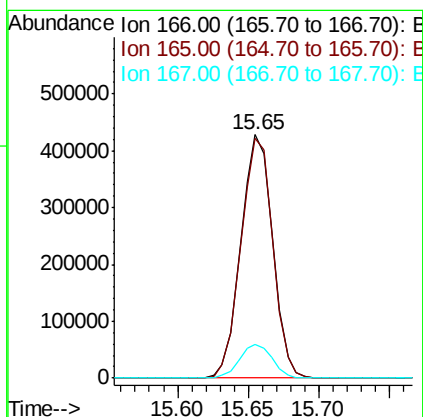
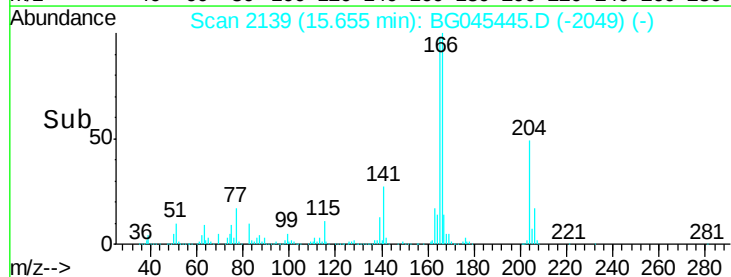
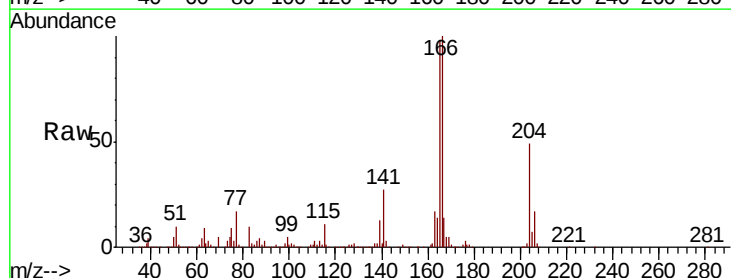
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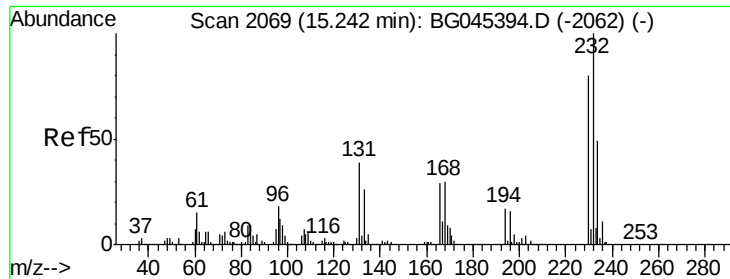
mohammad
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#58
Fluorene
Concen: 50.971 ng
RT: 15.65 min Scan# 2139
Delta R.T. -0.00 min
Lab File: BG045445.D
Acq: 21 May 2020 18:21

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
166	100		675294		
165	98.4	80.8	121.2		
167	13.8	12.0	18.0		





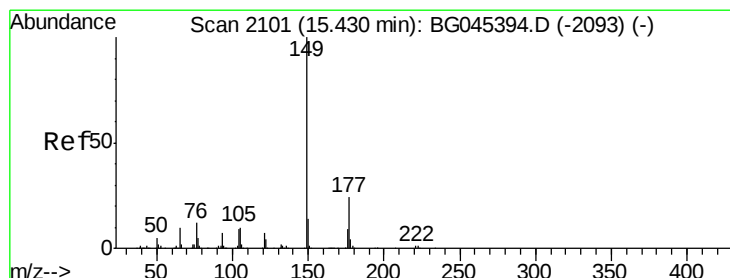
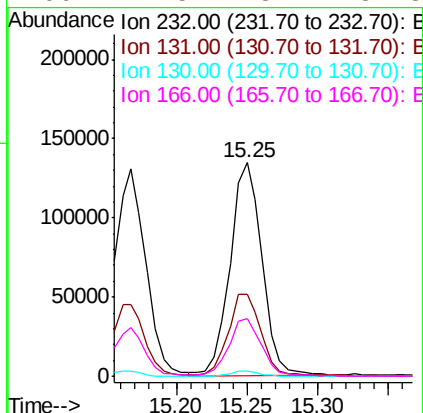
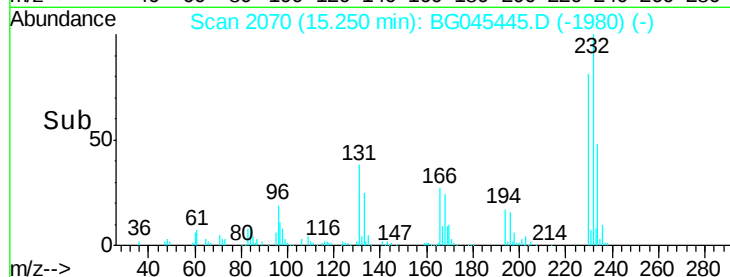
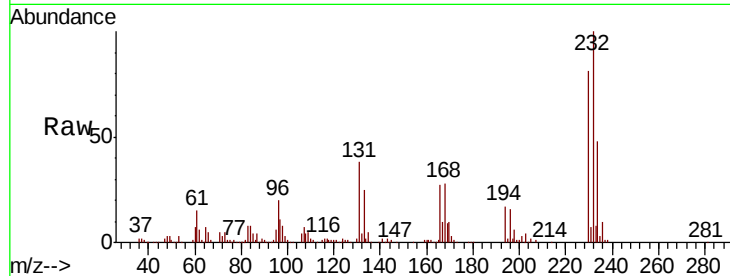
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 53.463 ng
 RT: 15.25 min Scan# 2070
 Delta R.T. -0.00 min
 Lab File: BG045445.D
 Acq: 21 May 2020 18:21

Instrument :
 BNA_G
 ClientSampleId :
 TR-04-052020MS

Tot Ion	Ratio	Lower	Upper
232	100		
131	39.4	33.7	50.5
130	2.4	2.1	3.1
166	27.5	23.2	34.8

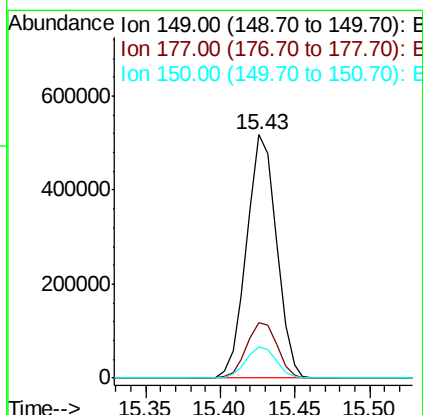
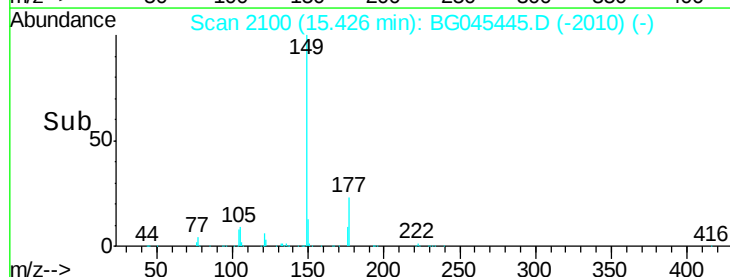
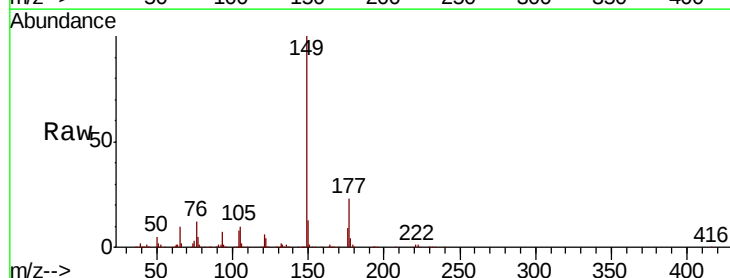
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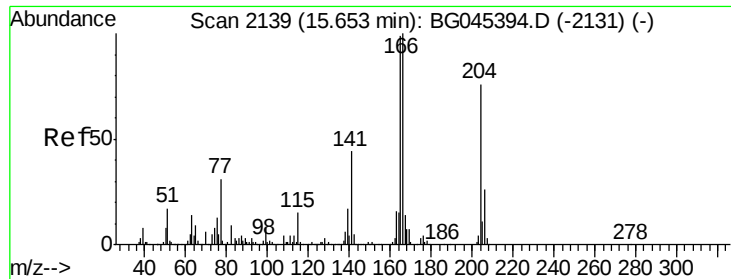
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#60
 Diethylphthalate
 Concen: 49.658 ng
 RT: 15.43 min Scan# 2100
 Delta R.T. -0.00 min
 Lab File: BG045445.D
 Acq: 21 May 2020 18:21

Tgt Ion	Ratio	Lower	Upper
149	100		
177	22.9	19.0	28.4
150	12.7	11.4	17.0





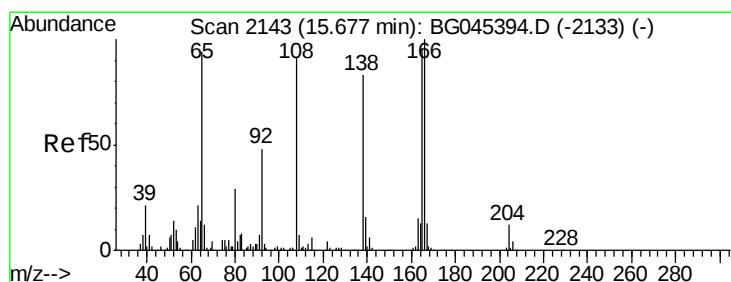
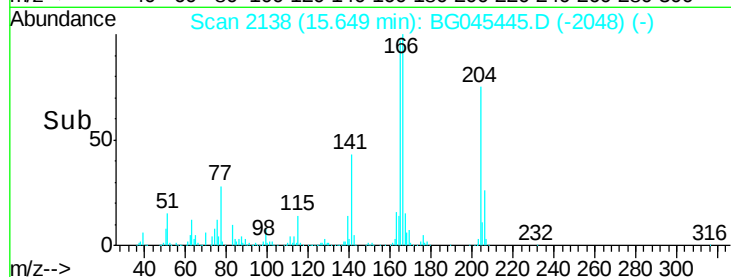
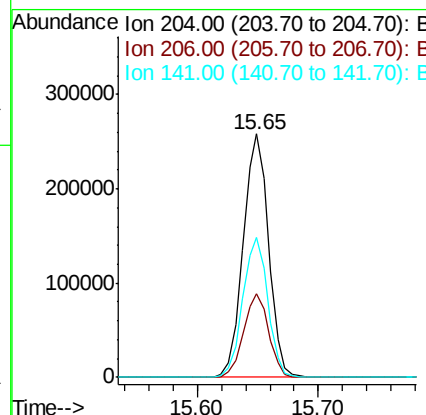
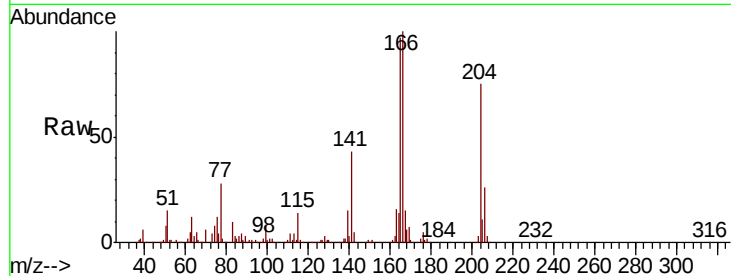
#61
4-Chlorophenyl-phenylether
Concen: 49.780 ng
RT: 15.65 min Scan# 2138
Delta R.T. -0.00 min
Lab File: BG045445.D
Acq: 21 May 2020 18:21

Instrument :
BNA_G
ClientSampleId :
TR-04-052020MS

Tot Ion	Ratio	Resp	Lower	Upper
204	100	377397		
206	34.3	27.3	40.9	
141	57.3	45.9	68.9	

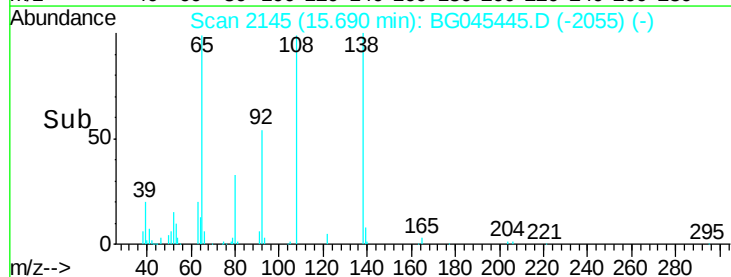
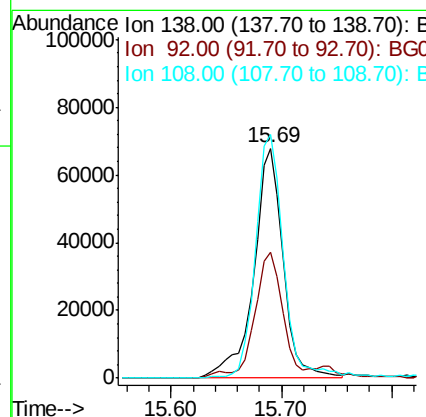
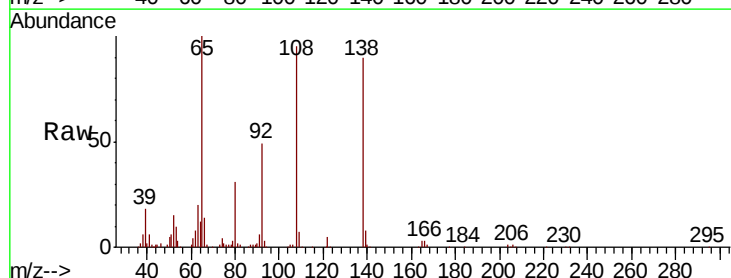
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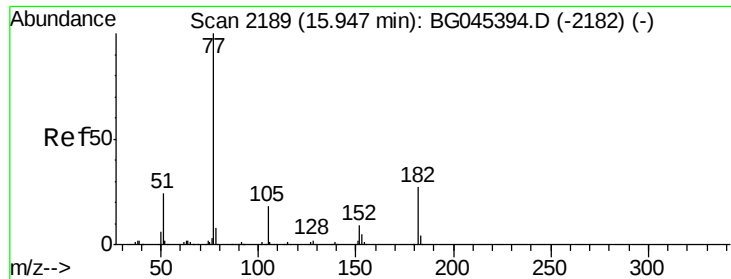
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#62
4-Nitroaniline
Concen: 38.206 ng
RT: 15.69 min Scan# 2145
Delta R.T. -0.00 min
Lab File: BG045445.D
Acq: 21 May 2020 18:21

Tgt Ion	Ratio	Resp	Lower	Upper
138	100	127044		
92	54.4	38.0	78.0	
108	105.8	89.3	129.3	





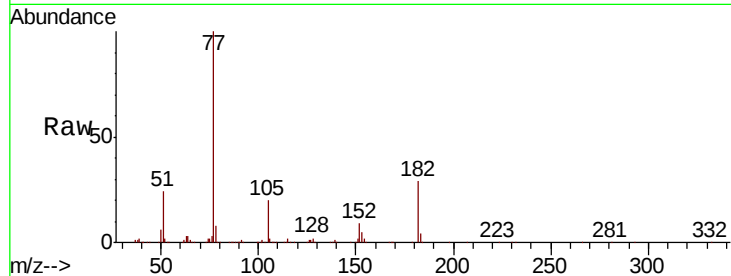
#63
Azobenzene
Concen: 49.673 ng
RT: 15.94 min Scan# 2188
Delta R.T. -0.00 min
Lab File: BG045445.D
Acq: 21 May 2020 18:21

Instrument :
BNA_G
ClientSampleId :
TR-04-052020MS

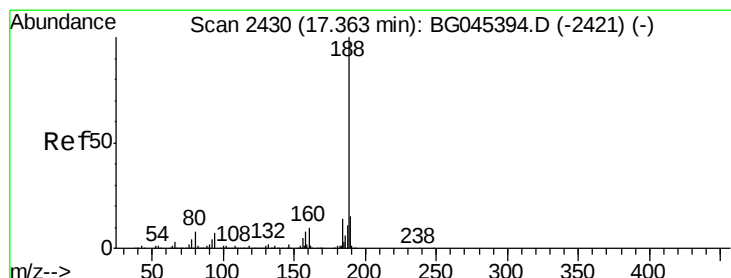
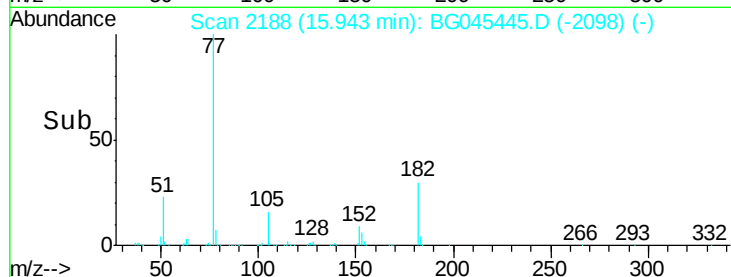
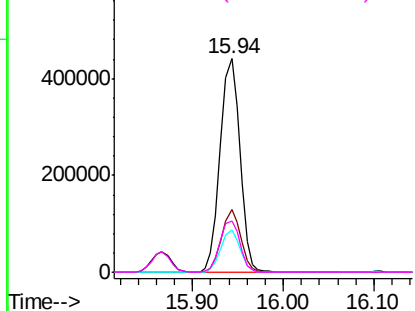
Tot Ion	Ion	Ratio	Resp	Lower	Upper
77	100				
182	29.5	6.5	46.5		
105	19.8	0.0	37.9		
51	23.9	4.1	44.1		

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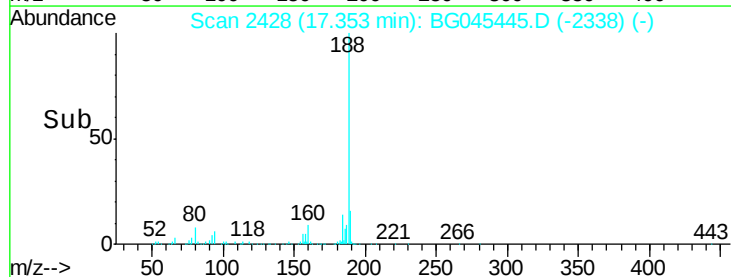
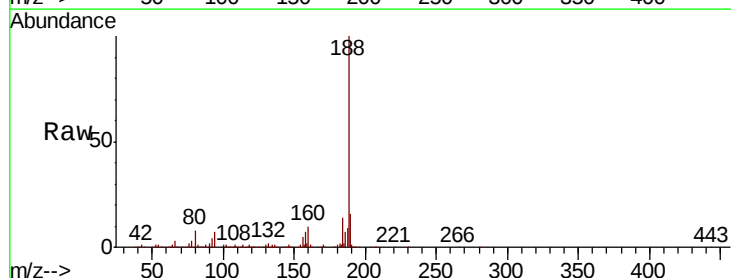
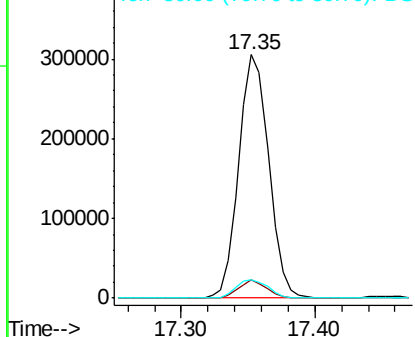
Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 182.00 (181.70 to 182.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 51.00 (50.70 to 51.70): BGC

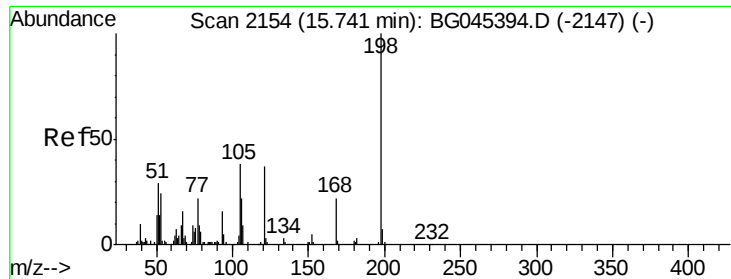


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.35 min Scan# 2428
Delta R.T. -0.00 min
Lab File: BG045445.D
Acq: 21 May 2020 18:21

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100				
94	7.4	5.5	8.3		
80	7.7	6.6	10.0		

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: 54.618 ng

RT: 15.74 min Scan# 2153

Delta R.T. -0.00 min

Lab File: BG045445.D

Acq: 21 May 2020 18:21

Instrument :

BNA_G

ClientSampled :

TR-04-052020MS

Tot Ion:198 Resp: 151268

Ion Ratio Lower Upper

198 100

51 31.6 10.0 50.0

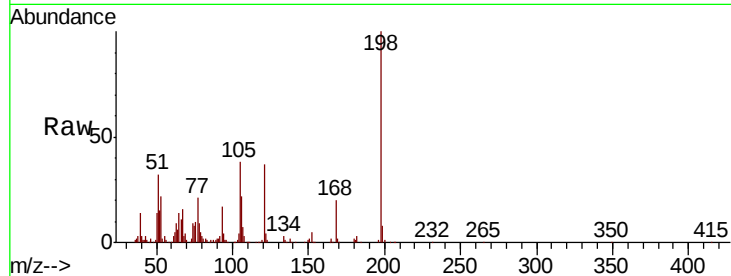
105 38.2 18.9 58.9

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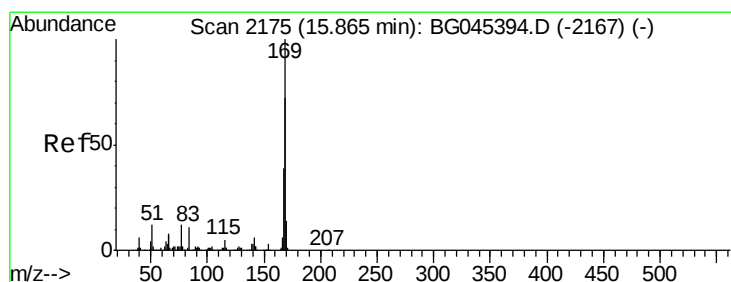
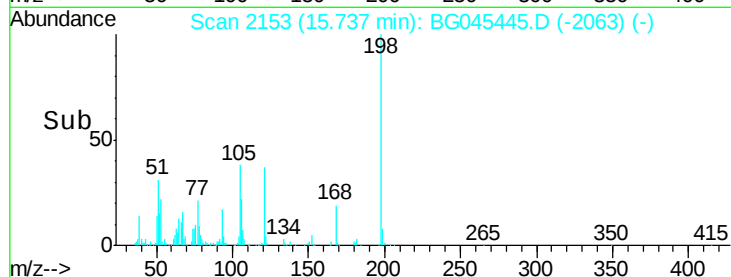
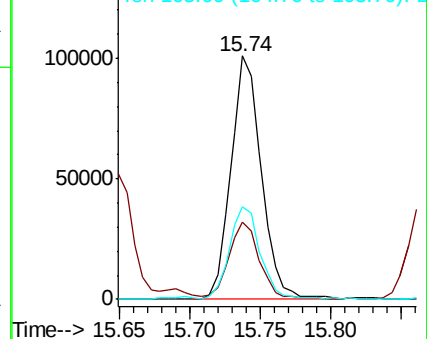
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Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 47.754 ng

RT: 15.87 min Scan# 2175

Delta R.T. -0.00 min

Lab File: BG045445.D

Acq: 21 May 2020 18:21

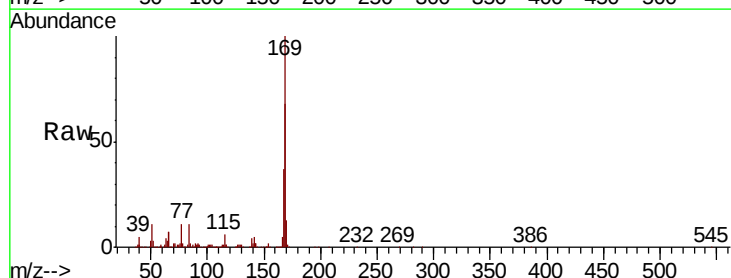
Tgt Ion:169 Resp: 545252

Ion Ratio Lower Upper

169 100

168 67.9 57.8 86.6

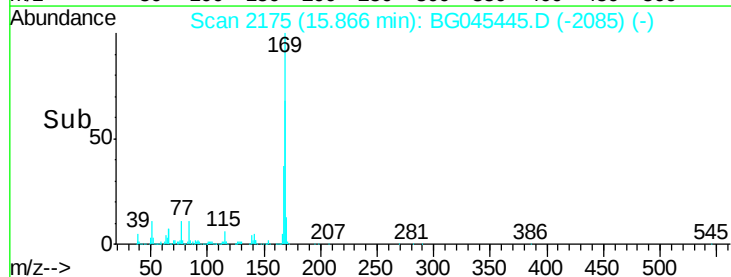
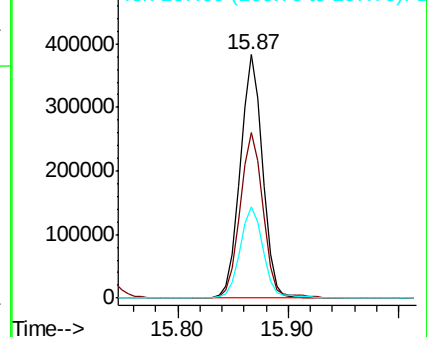
167 37.3 31.5 47.3

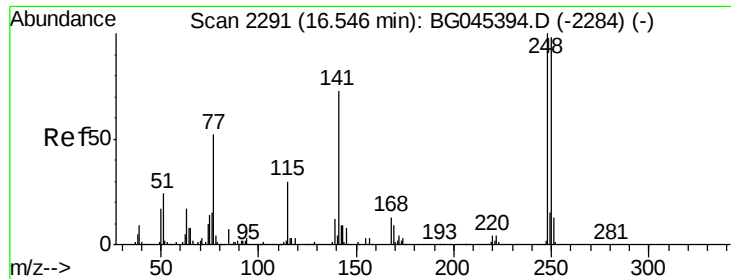


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





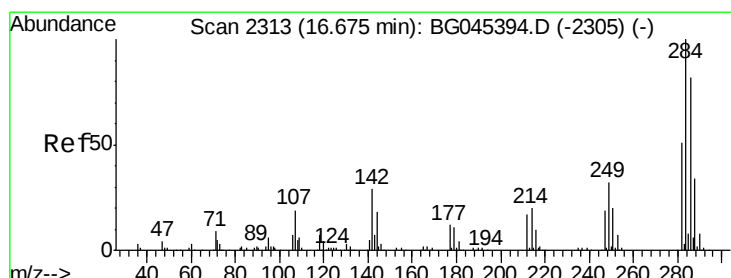
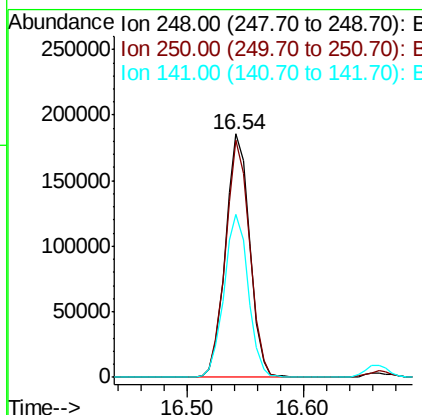
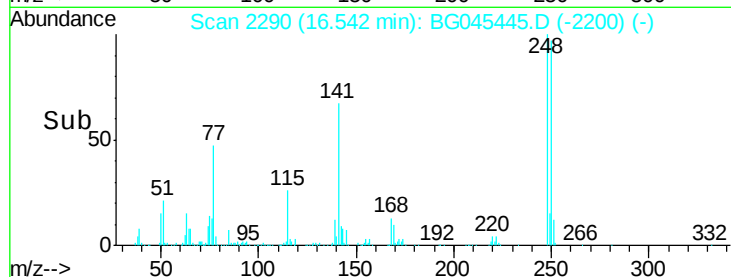
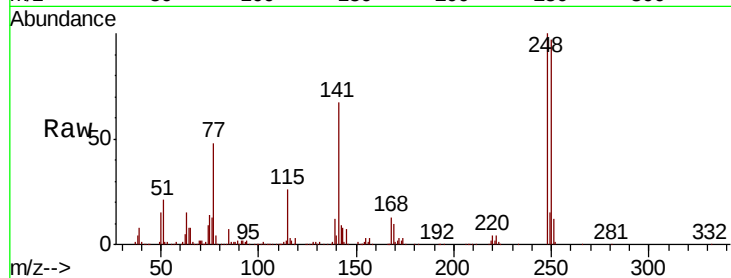
#67
 4-Bromophenyl-phenylether
 Concen: 52.178 ng
 RT: 16.54 min Scan# 2290
 Delta R.T. -0.00 min
 Lab File: BG045445.D
 Acq: 21 May 2020 18:21

Instrument :
 BNA_G
 ClientSampleId :
 TR-04-052020MS

Tot Ion:	248	Resp:	268685
Ion Ratio	Lower	Upper	
248	100		
250	97.4	78.6	117.8
141	67.0	58.2	87.2

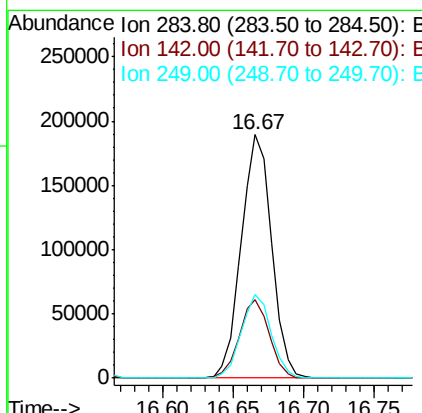
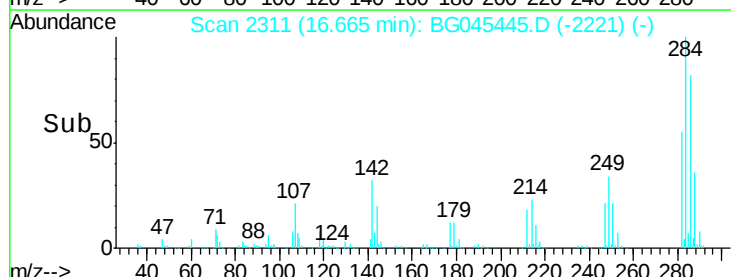
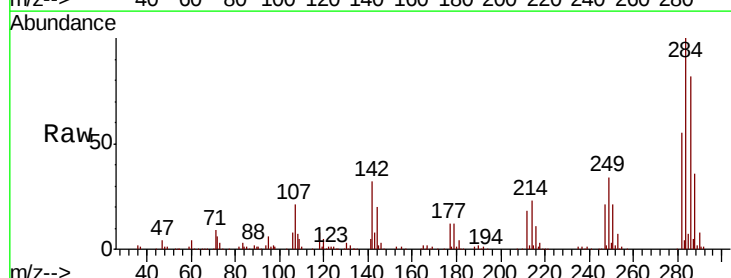
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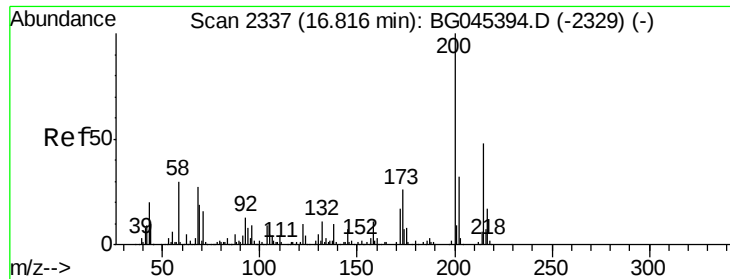
mohammad
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#68
 Hexachlorobenzene
 Concen: 53.008 ng
 RT: 16.67 min Scan# 2311
 Delta R.T. -0.00 min
 Lab File: BG045445.D
 Acq: 21 May 2020 18:21

Tgt Ion:	284	Resp:	285495
Ion Ratio	Lower	Upper	
284	100		
142	32.4	23.0	34.6
249	34.3	25.8	38.6





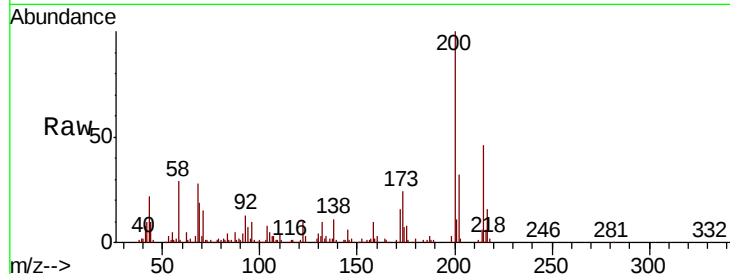
#69
Atrazine
Concen: 26.007 ng
RT: 16.81 min Scan# 2336
Delta R.T. -0.01 min
Lab File: BG045445.D
Acq: 21 May 2020 18:21

Instrument :
BNA_G
ClientSampleId :
TR-04-052020MS

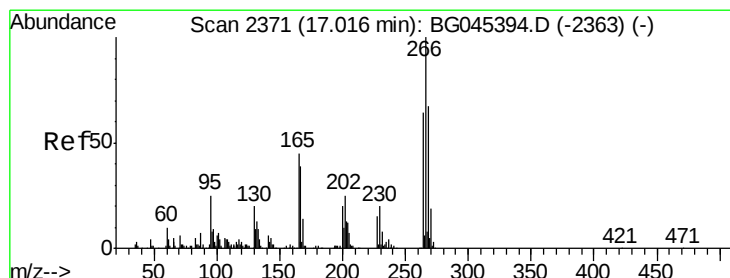
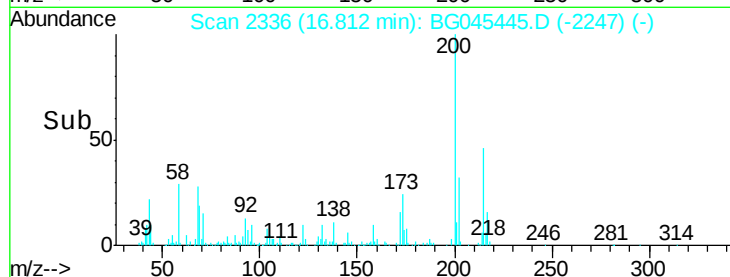
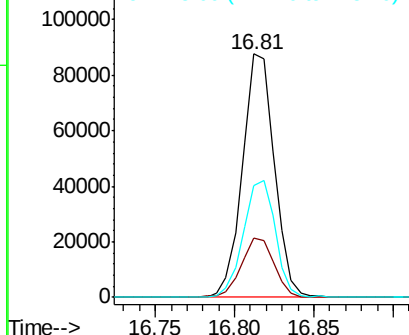
Tot Ion	Ratio	Resp	Lower	Upper
200	100	122306		
173	24.2	5.5	45.5	
215	46.1	28.2	68.2	

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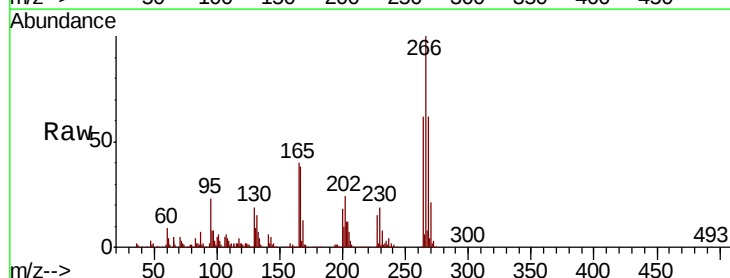


Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E

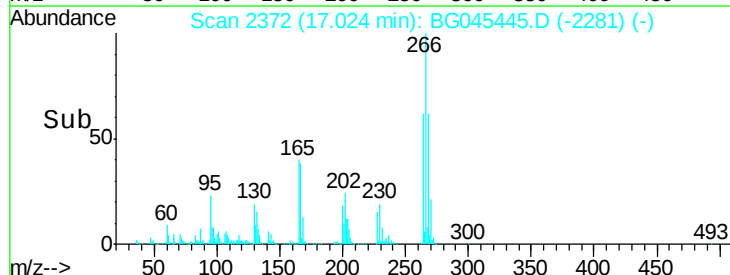
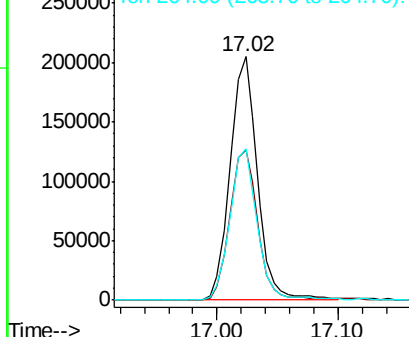


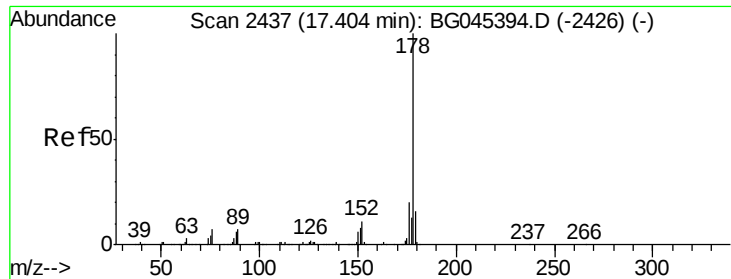
#70
Pentachlorophenol
Concen: 115.333 ng
RT: 17.02 min Scan# 2372
Delta R.T. 0.01 min
Lab File: BG045445.D
Acq: 21 May 2020 18:21

Tgt Ion	Ratio	Resp	Lower	Upper
266	100	322535		
268	61.5	53.2	79.8	
264	62.3	51.0	76.4	



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





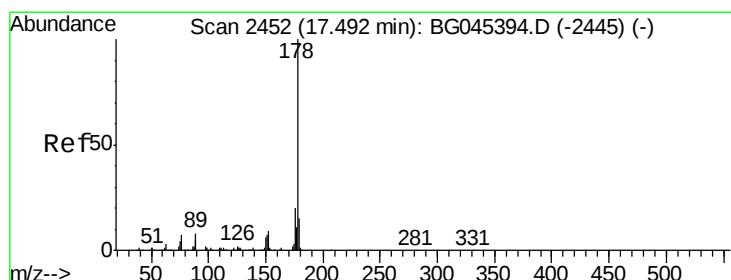
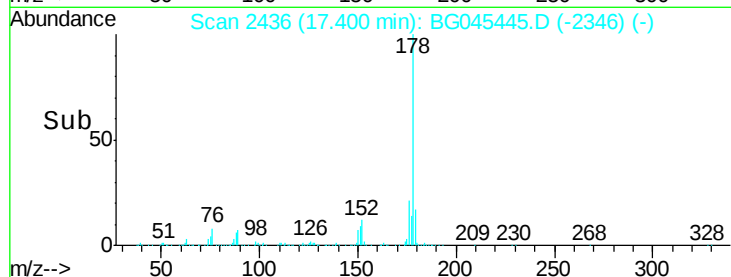
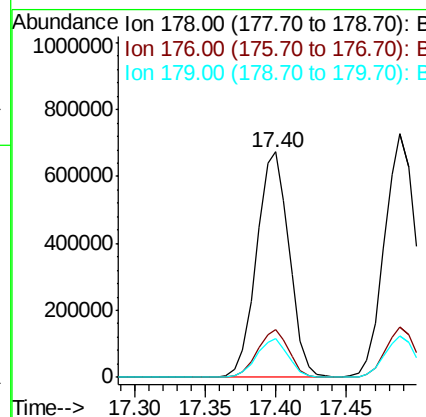
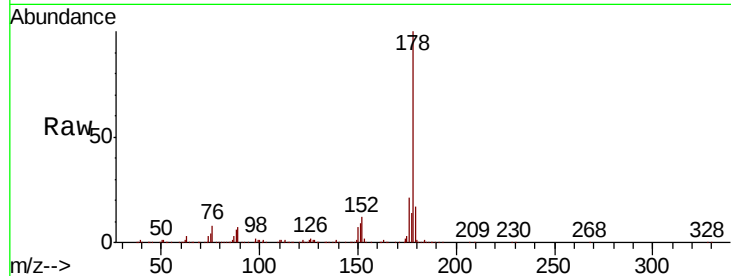
#71
Phenanthrene
Concen: 52.535 ng
RT: 17.40 min Scan# 2436
Delta R.T. -0.00 min
Lab File: BG045445.D
Acq: 21 May 2020 18:21

Instrument :
BNA_G
ClientSampleId :
TR-04-052020MS

Tot Ion	Ratio	Lower	Upper
178	100		
176	21.0	16.2	24.4
179	17.0	13.1	19.7

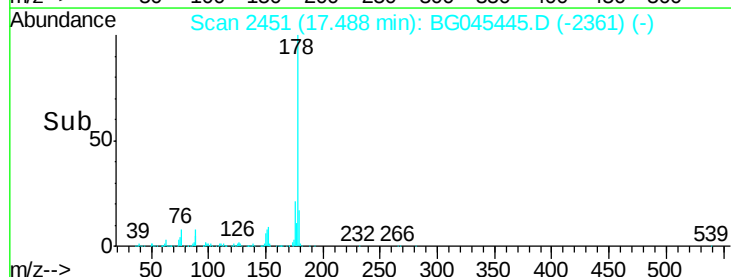
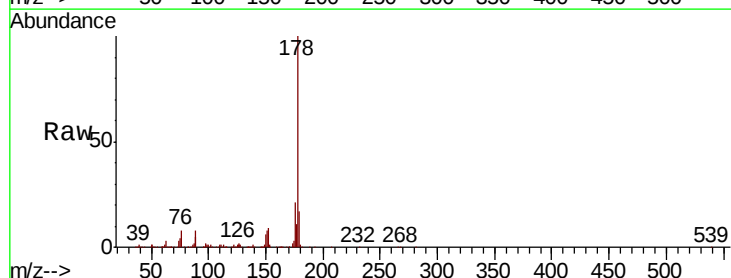
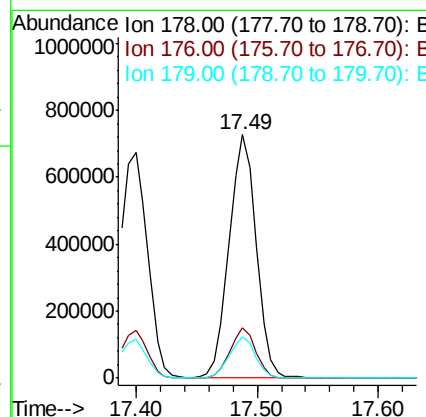
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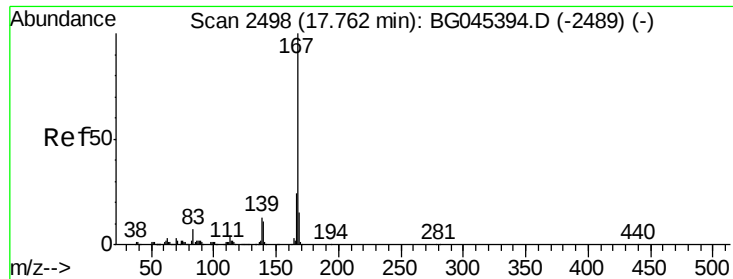
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#72
Anthracene
Concen: 54.230 ng
RT: 17.49 min Scan# 2451
Delta R.T. -0.00 min
Lab File: BG045445.D
Acq: 21 May 2020 18:21

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.6	15.8	23.6
179	17.1	12.2	18.4





#73

Carbazole

Concen: 44.545 ng

RT: 17.76 min Scan# 2498

Delta R.T. -0.00 min

Lab File: BG045445.D

Acq: 21 May 2020 18:21

Instrument :

BNA_G

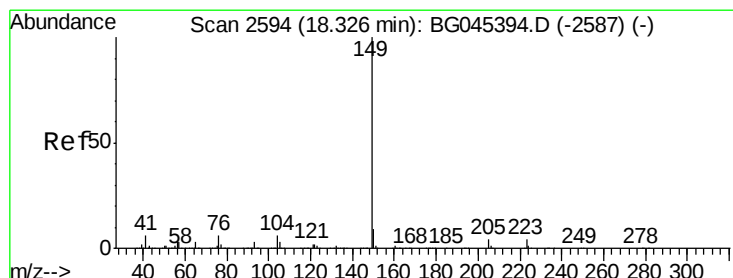
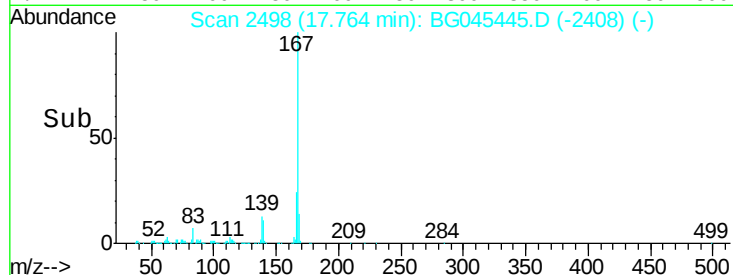
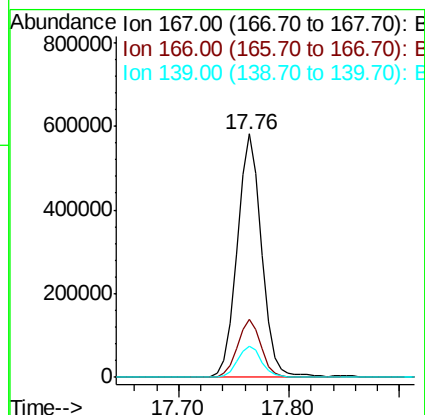
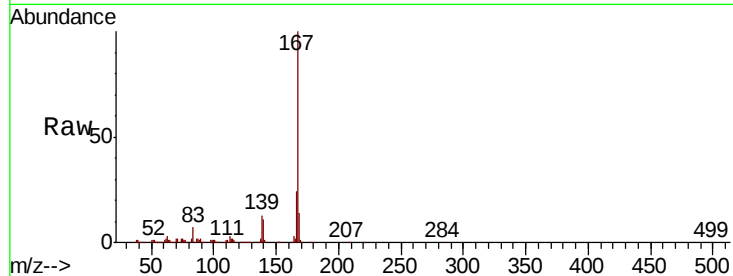
ClientSampleId :

TR-04-052020MS

Tot Ion:	167	Resp:	905241
Ion Ratio	Lower	Upper	
167	100		
166	23.8	19.2	28.8
139	12.8	10.6	16.0

Manual Integrations
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#74

Di-n-butylphthalate

Concen: 50.159 ng

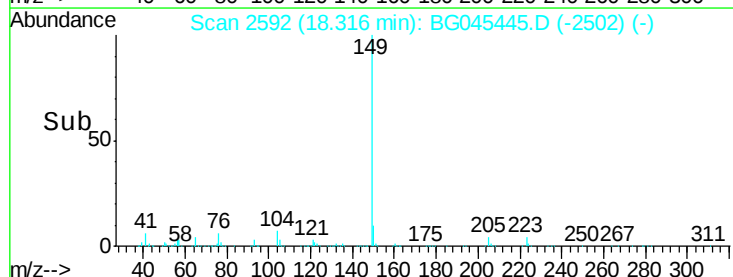
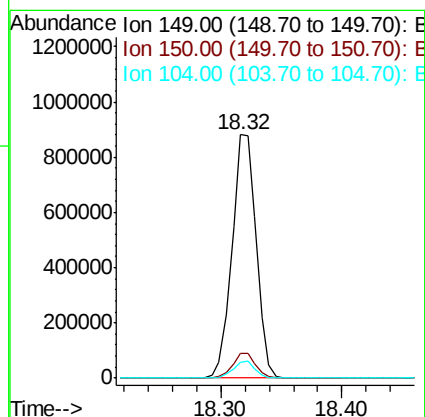
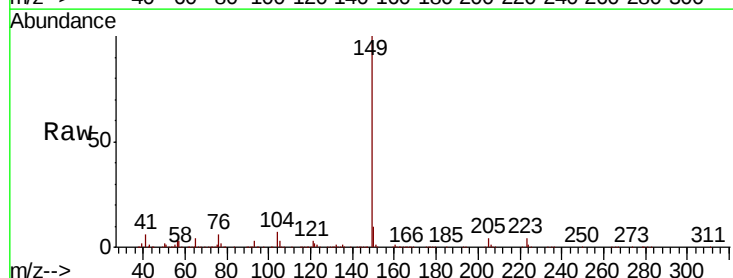
RT: 18.32 min Scan# 2592

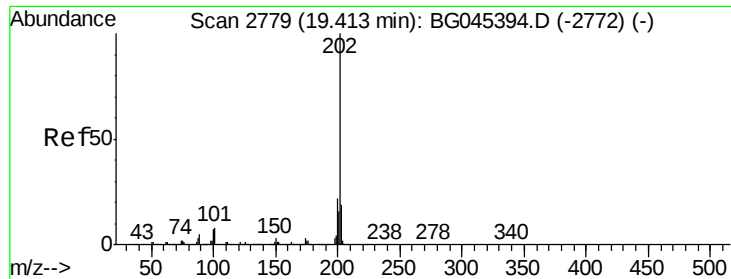
Delta R.T. -0.00 min

Lab File: BG045445.D

Acq: 21 May 2020 18:21

Tgt Ion:	149	Resp:	1223447
Ion Ratio	Lower	Upper	
149	100		
150	10.3	7.6	11.4
104	6.7	5.0	7.4





#75

Fluoranthene

Concen: 51.934 ng

RT: 19.41 min Scan# 2778

Delta R.T. -0.00 min

Lab File: BG045445.D

Acq: 21 May 2020 18:21

Instrument :

BNA_G

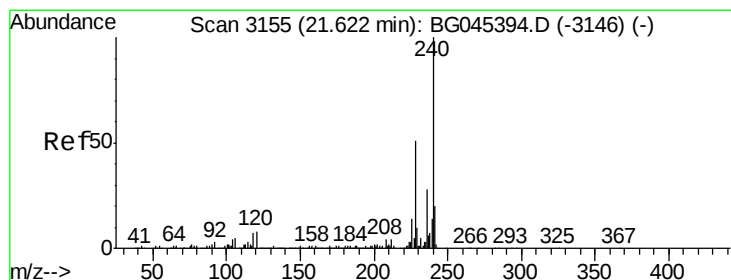
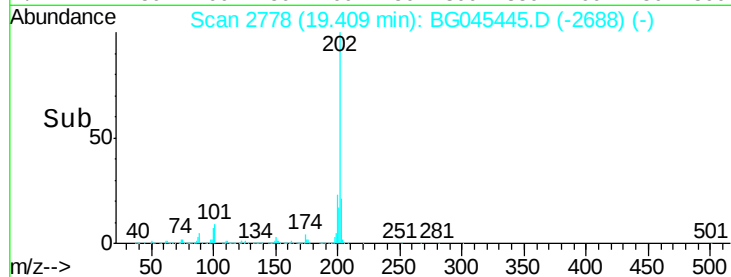
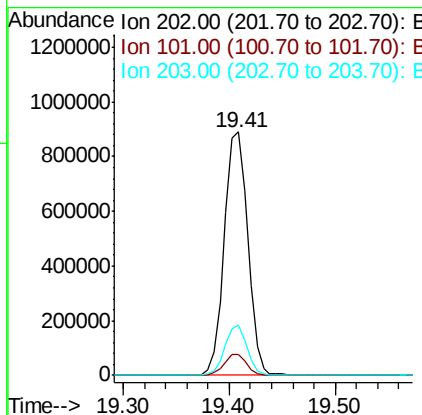
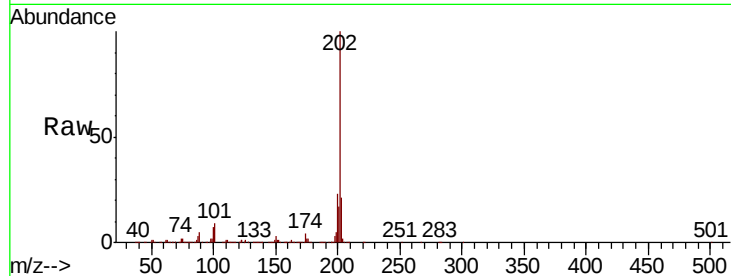
ClientSampleId :

TR-04-052020MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		1371359		
101	8.6	0.0	28.3		
203	20.5	0.0	39.0		

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#76

Chrysene-d12

Concen: 20.000 ng

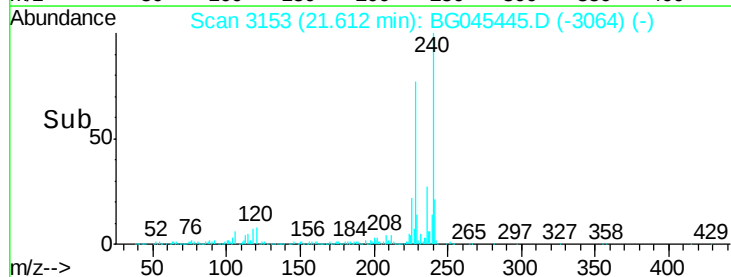
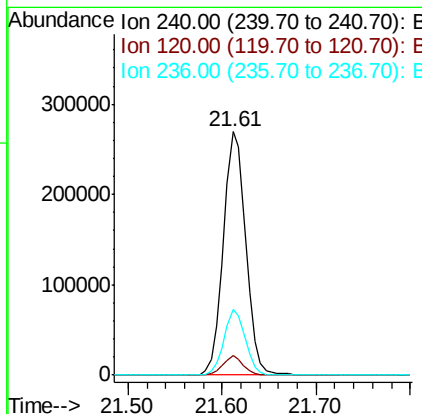
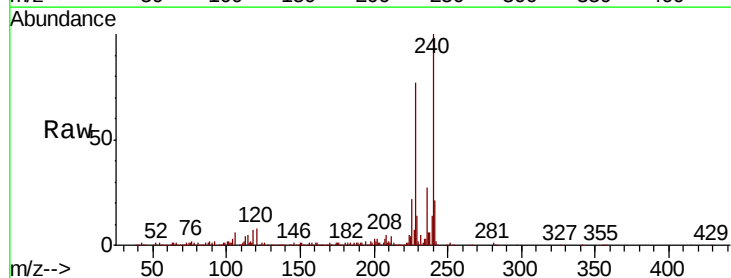
RT: 21.61 min Scan# 3153

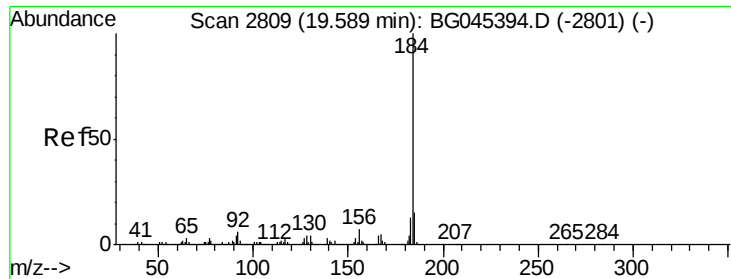
Delta R.T. -0.01 min

Lab File: BG045445.D

Acq: 21 May 2020 18:21

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		448905		
120	8.2	6.1	9.1		
236	27.0	22.3	33.5		





#77

Benzidine

Concen: 6.615 ng

RT: 19.61 min Scan# 2812

Delta R.T. 0.02 min

Lab File: BG045445.D

Acq: 21 May 2020 18:21

Instrument :

BNA_G

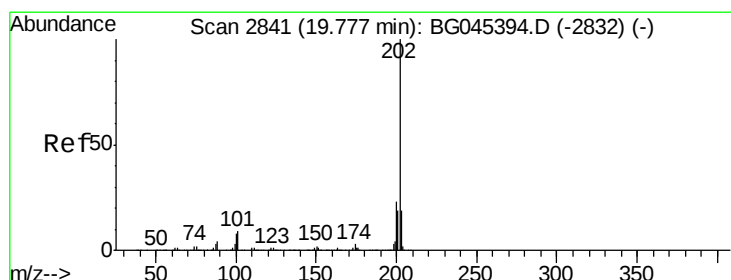
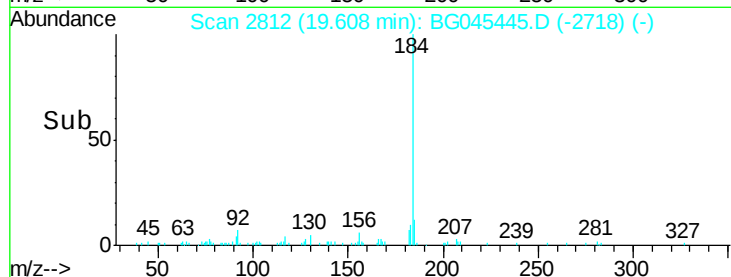
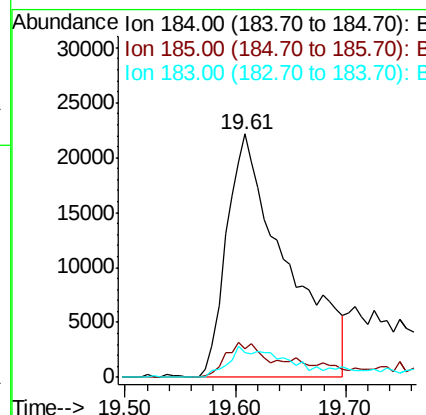
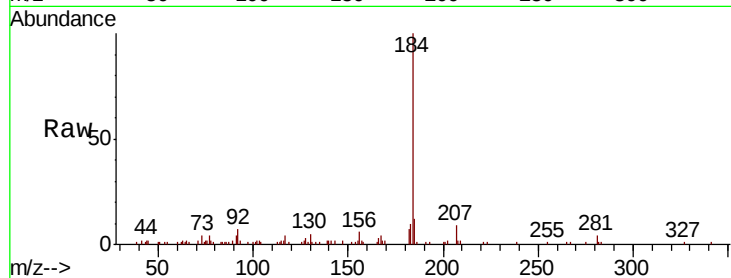
ClientSampleId :

TR-04-052020MS

Tot Ion:	184	Resp:	83406
Ion Ratio	Lower	Upper	
184	100		
185	11.9	11.7	17.5
183	10.3	10.2	15.4

Manual Integrations
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#78

Pyrene

Concen: 54.039 ng

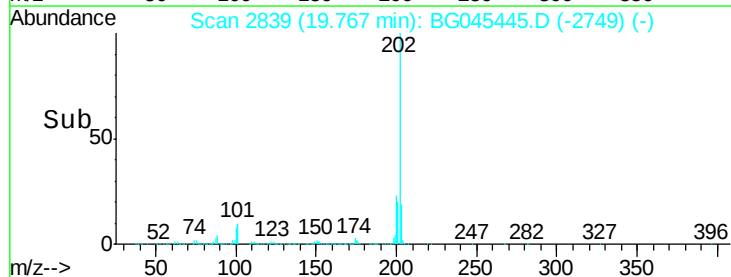
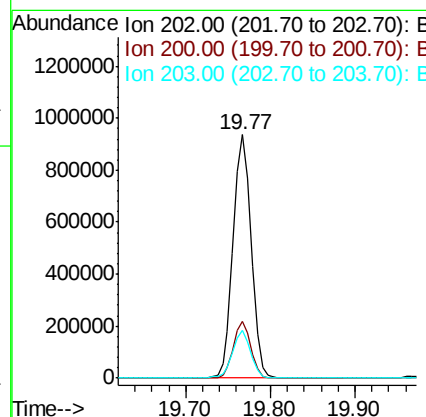
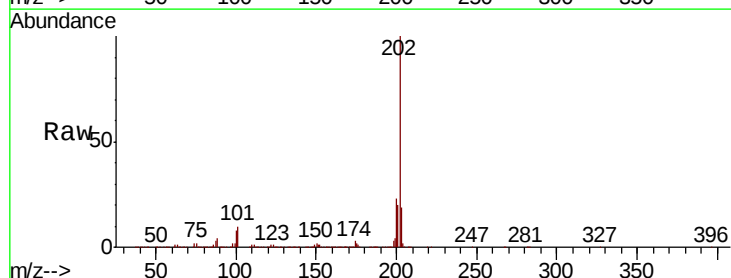
RT: 19.77 min Scan# 2839

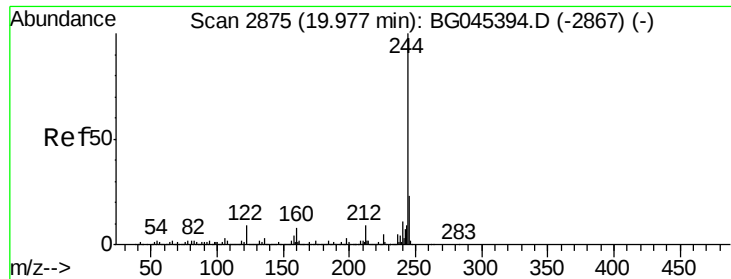
Delta R.T. -0.00 min

Lab File: BG045445.D

Acq: 21 May 2020 18:21

Tgt Ion:	202	Resp:	1382837
Ion Ratio	Lower	Upper	
202	100		
200	23.3	18.2	27.2
203	19.5	15.1	22.7





#79

Terphenyl-d14

Concen: 108.507 ng

RT: 19.97 min Scan# 2873

Delta R.T. -0.00 min

Lab File: BG045445.D

Acq: 21 May 2020 18:21

Instrument :

BNA_G

ClientSampleId :

TR-04-052020MS

Tot Ion:244 Resp: 2088463

Ion Ratio Lower Upper

244 100

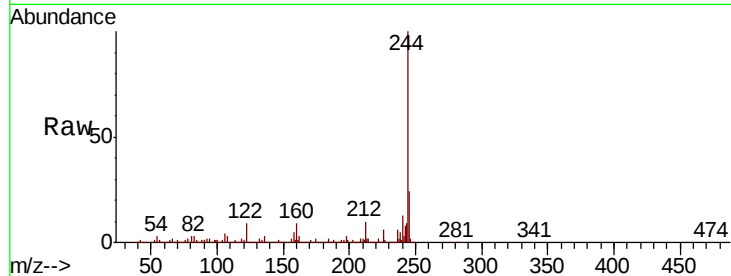
212 9.7 7.4 11.0

122 8.9 6.8 10.2

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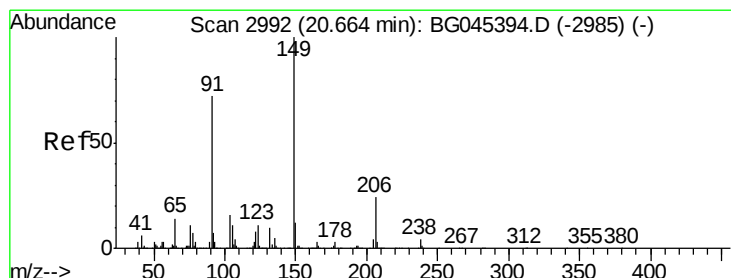
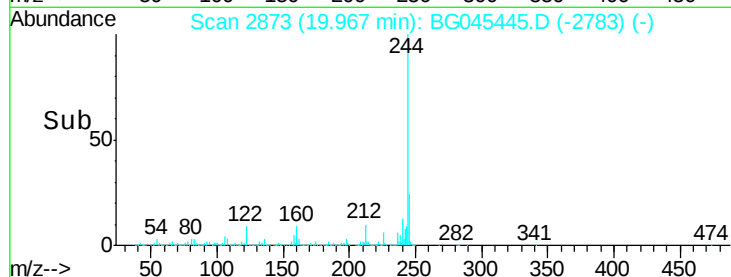
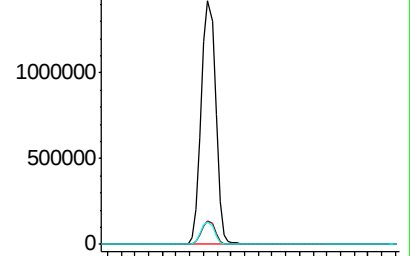
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 50.419 ng

RT: 20.65 min Scan# 2990

Delta R.T. -0.00 min

Lab File: BG045445.D

Acq: 21 May 2020 18:21

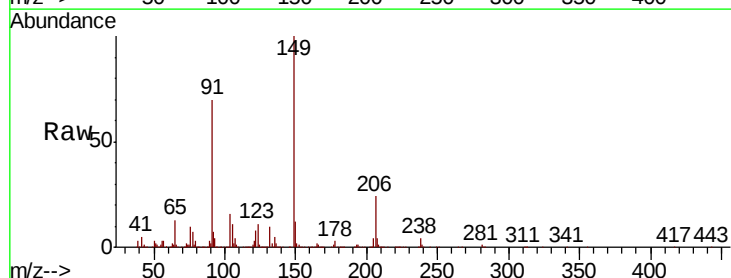
Tgt Ion:149 Resp: 556891

Ion Ratio Lower Upper

149 100

91 70.0 57.8 86.6

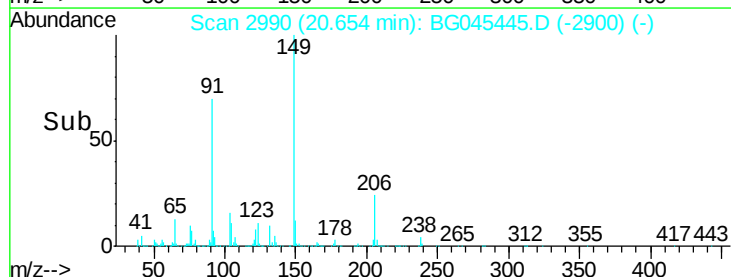
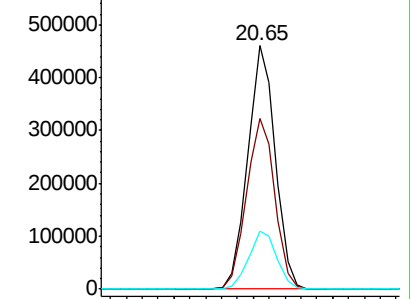
206 23.7 19.1 28.7

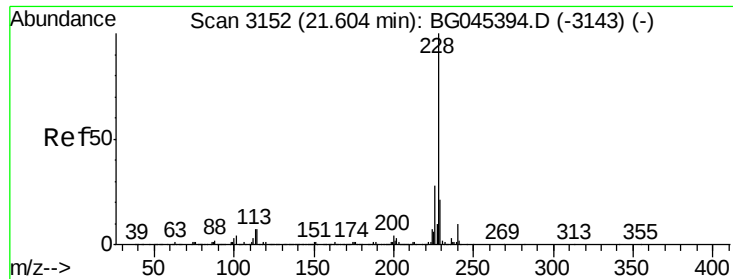


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E





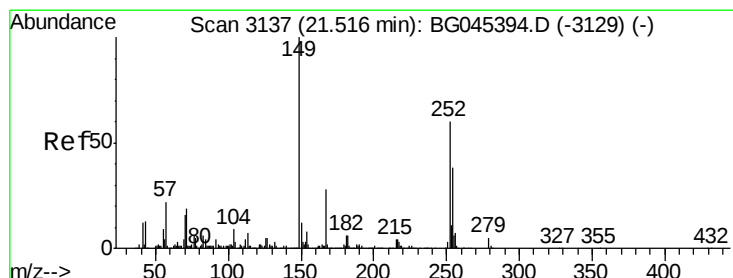
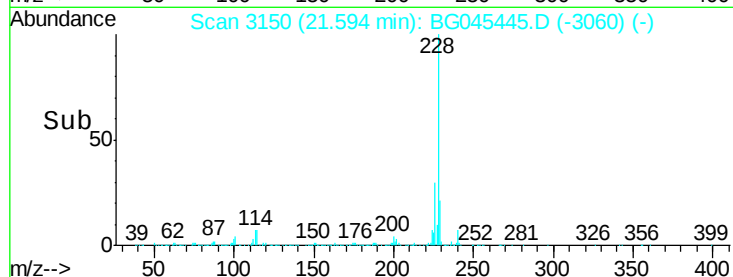
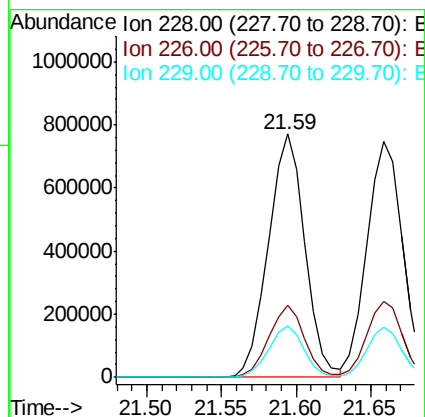
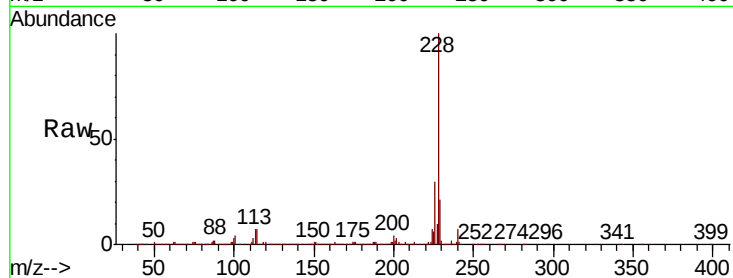
#81
Benzo(a)anthracene
Concen: 52.505 ng
RT: 21.59 min Scan# 3150
Delta R.T. -0.00 min
Lab File: BG045445.D
Acq: 21 May 2020 18:21

Instrument :
BNA_G
ClientSampleId :
TR-04-052020MS

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.7	22.7	34.1
229	21.4	16.7	25.1

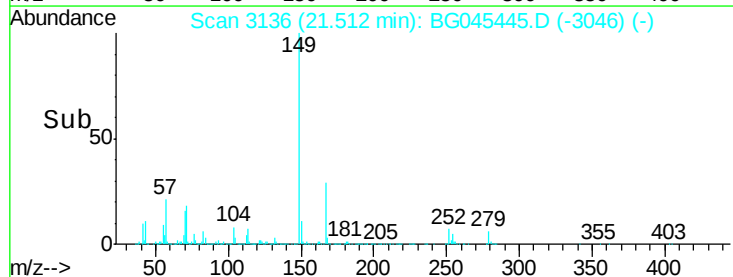
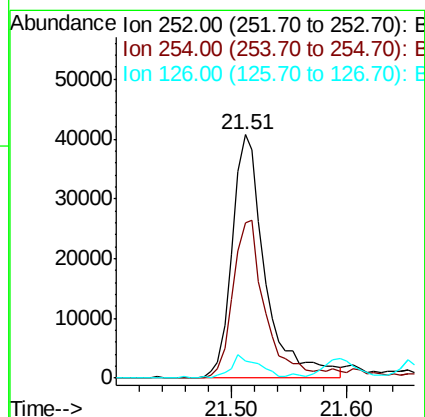
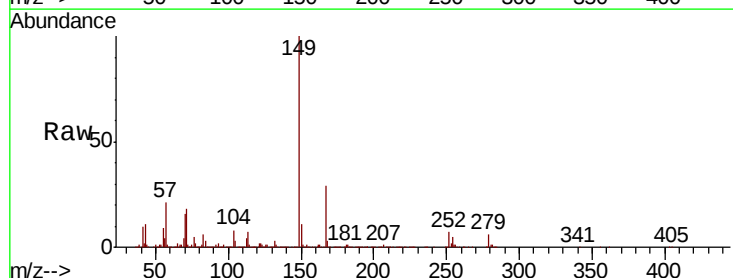
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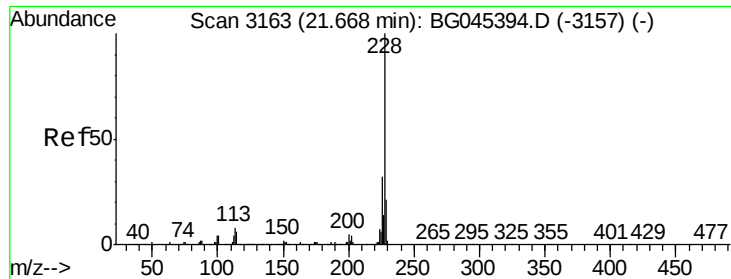
mohammad
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#82
3,3'-Dichlorobenzidine
Concen: 8.252 ng
RT: 21.51 min Scan# 3136
Delta R.T. -0.00 min
Lab File: BG045445.D
Acq: 21 May 2020 18:21

Tgt Ion	Ratio	Lower	Upper
252	100		
254	63.7	51.3	76.9
126	7.1	6.6	10.0





#83

Chrysene

Concen: 51.895 ng

RT: 21.66 min Scan# 3161

Delta R.T. -0.00 min

Lab File: BG045445.D

Acq: 21 May 2020 18:21

Instrument :

BNA_G

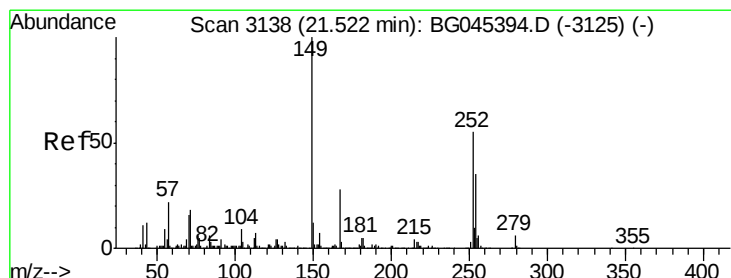
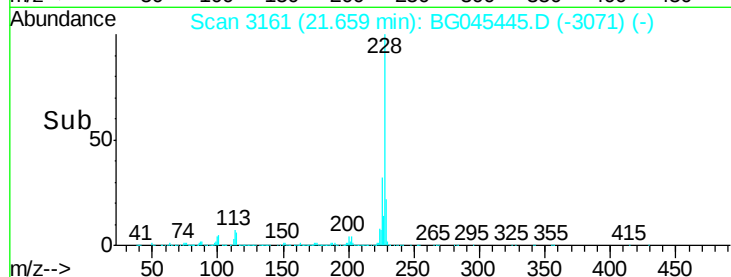
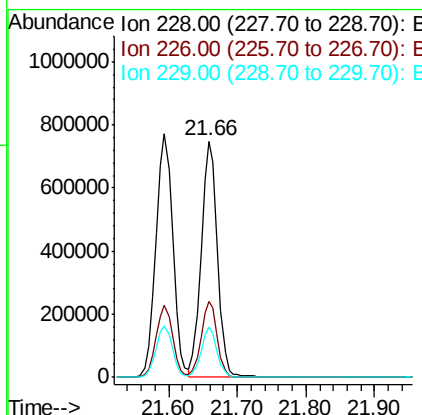
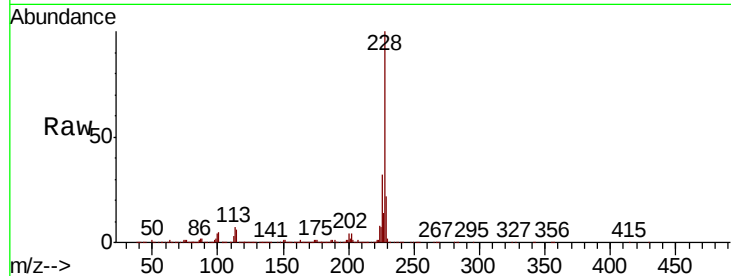
ClientSampleId :

TR-04-052020MS

Tot Ion:	228	Resp:	1247831
Ion	Ratio	Lower	Upper
228	100		
226	31.9	25.2	37.8
229	21.5	16.7	25.1

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#84

Bis(2-ethylhexyl)phthalate

Concen: 50.511 ng

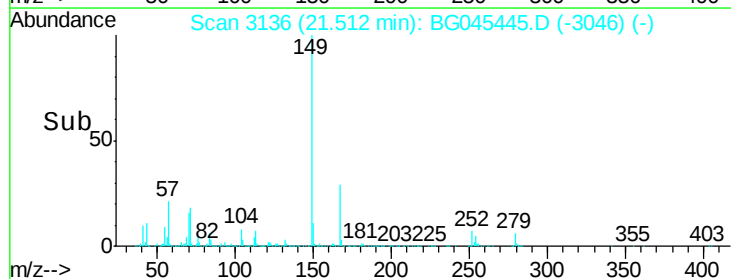
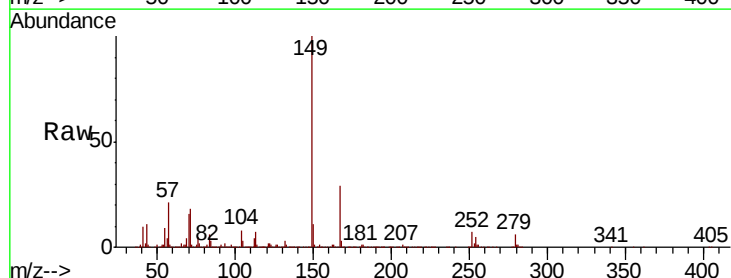
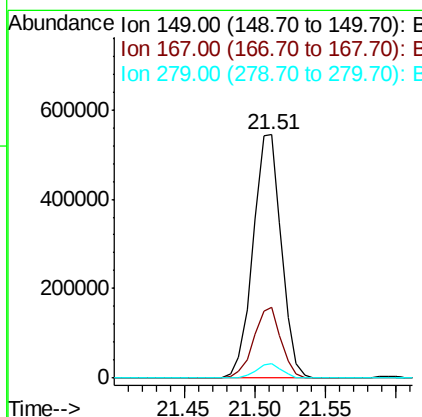
RT: 21.51 min Scan# 3136

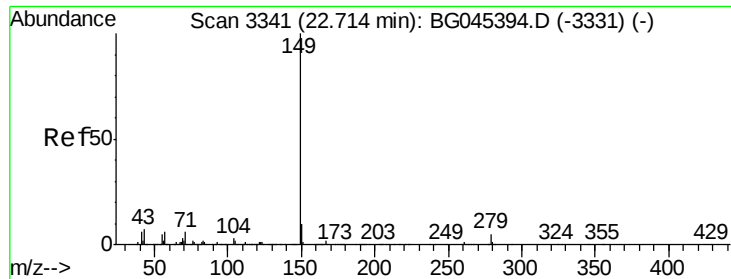
Delta R.T. -0.00 min

Lab File: BG045445.D

Acq: 21 May 2020 18:21

Tgt Ion:	149	Resp:	766919
Ion	Ratio	Lower	Upper
149	100		
167	29.1	22.2	33.2
279	5.9	4.7	7.1





#85

Di-n-octyl phthalate

Concen: 50.276 ng

RT: 22.70 min Scan# 3338

Delta R.T. -0.00 min

Lab File: BG045445.D

Acq: 21 May 2020 18:21

Instrument :

BNA_G

ClientSampleId :

TR-04-052020MS

Tot Ion:149 Resp: 1311049

Ion Ratio Lower Upper

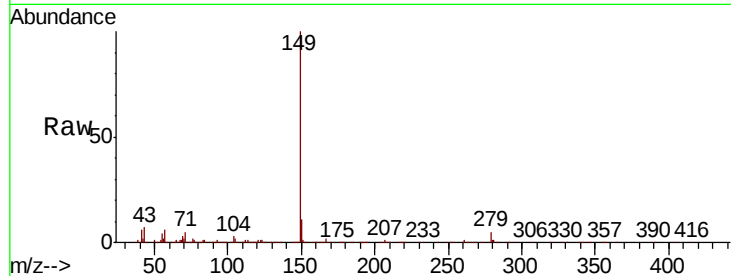
149 100

167 1.8 1.4 2.0

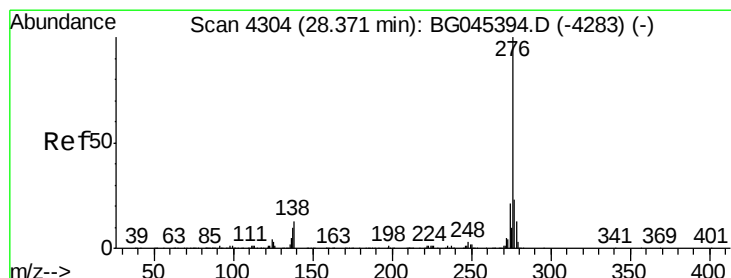
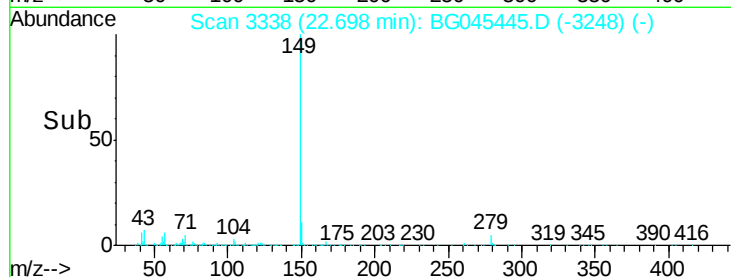
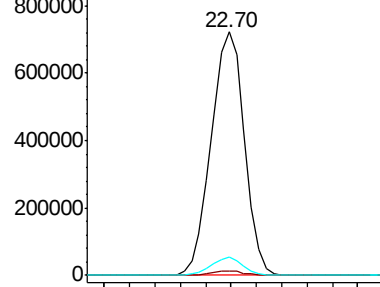
43 6.9 5.8 8.8

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Abundance Ion 149.00 (148.70 to 149.70): E
1000000
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: 53.283 ng

RT: 28.34 min Scan# 4298

Delta R.T. -0.01 min

Lab File: BG045445.D

Acq: 21 May 2020 18:21

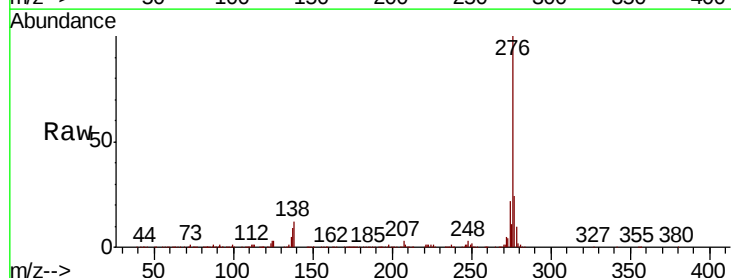
Tgt Ion:276 Resp: 1675396

Ion Ratio Lower Upper

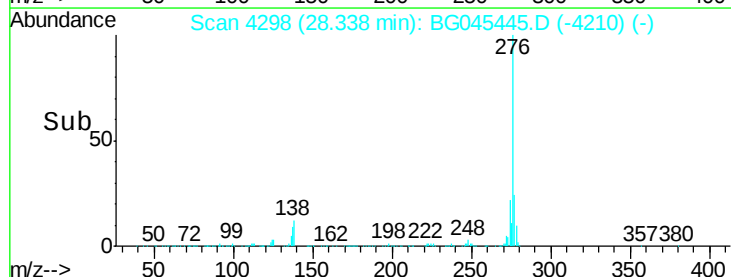
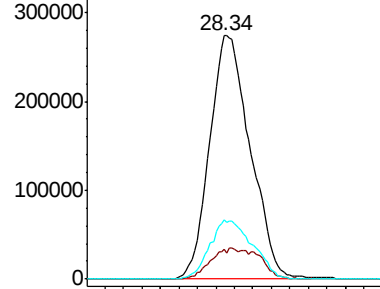
276 100

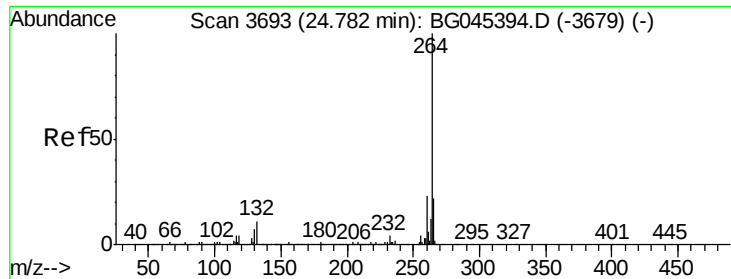
138 11.0 8.6 12.8

277 25.7 20.2 30.4



Abundance Ion 276.00 (275.70 to 276.70): E
300000
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: 24.76 min Scan# 3689

Delta R.T. -0.01 min

Lab File: BG045445.D

Acq: 21 May 2020 18:21

Instrument :

BNA_G

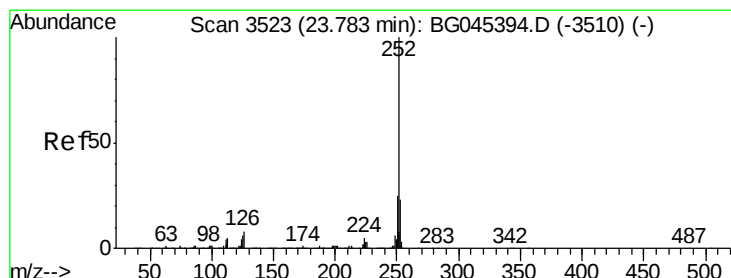
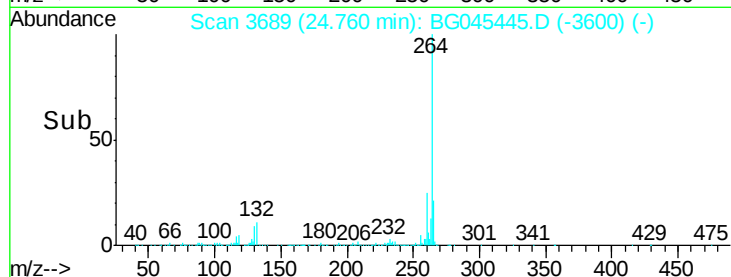
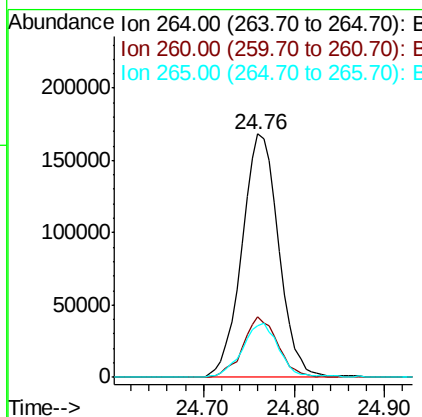
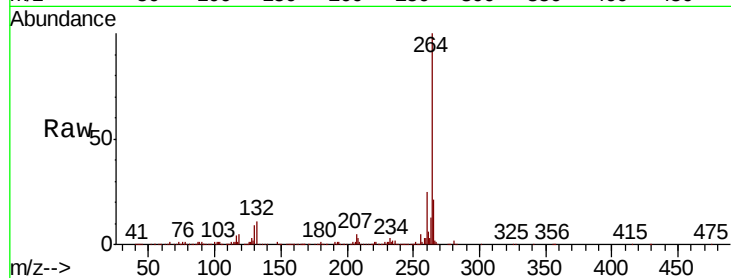
ClientSampleId :

TR-04-052020MS

Tot Ion:	264	Resp:	474069
Ion Ratio	Lower	Upper	
264	100		
260	24.8	18.2	27.4
265	21.3	17.6	26.4

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#88

Benzo(b)fluoranthene

Concen: 55.936 ng

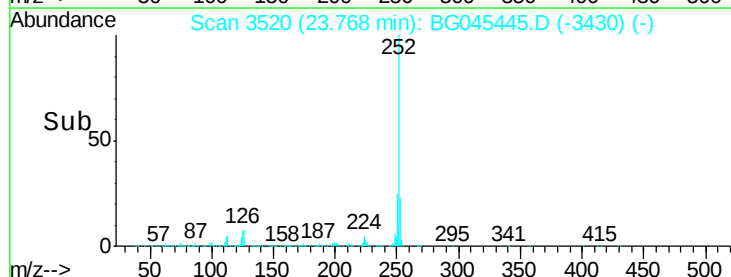
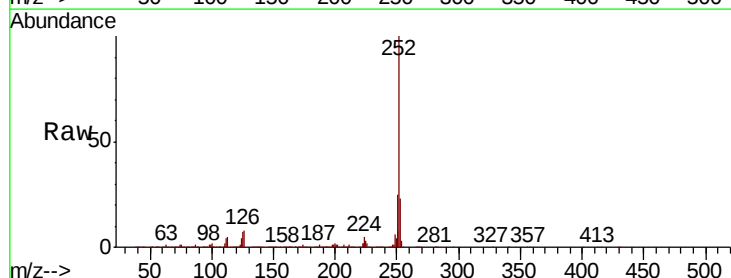
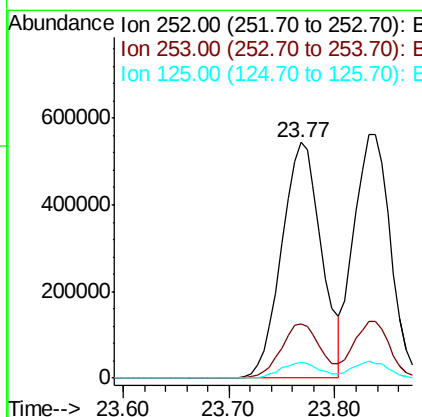
RT: 23.77 min Scan# 3520

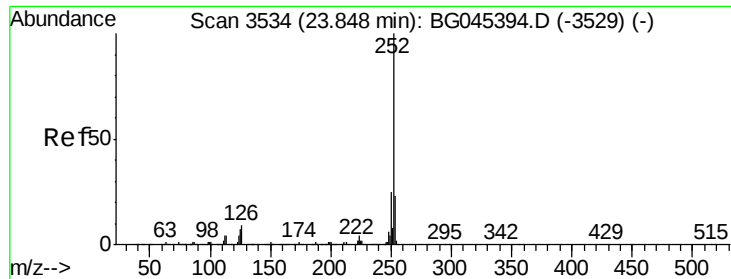
Delta R.T. -0.00 min

Lab File: BG045445.D

Acq: 21 May 2020 18:21

Tgt Ion:	252	Resp:	1422178
Ion Ratio	Lower	Upper	
252	100		
253	23.0	18.1	27.1
125	6.8	5.0	7.6





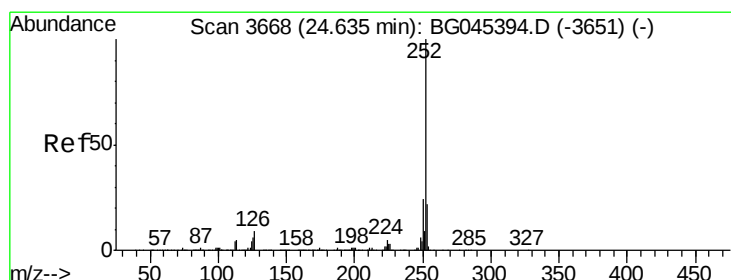
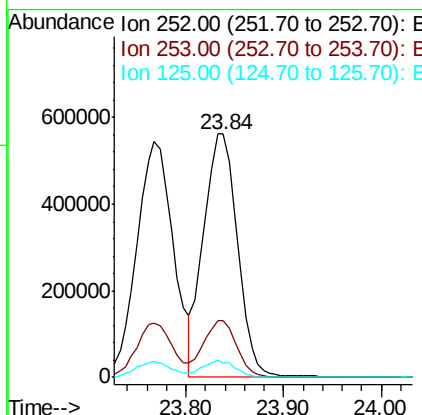
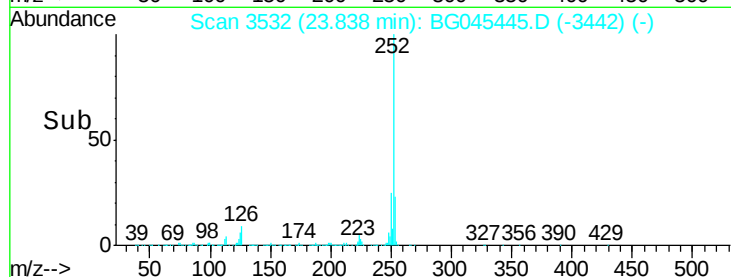
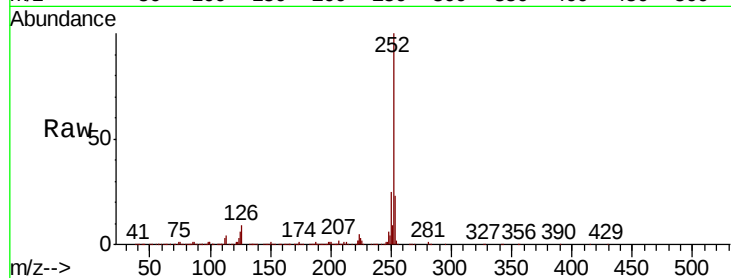
#89
Benzo(k)fluoranthene
Concen: 56.379 ng
RT: 23.84 min Scan# 3532
Delta R.T. -0.00 min
Lab File: BG045445.D
Acq: 21 May 2020 18:21

Instrument :
BNA_G
ClientSampleId :
TR-04-052020MS

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.4	27.6
125	6.1	5.7	8.5

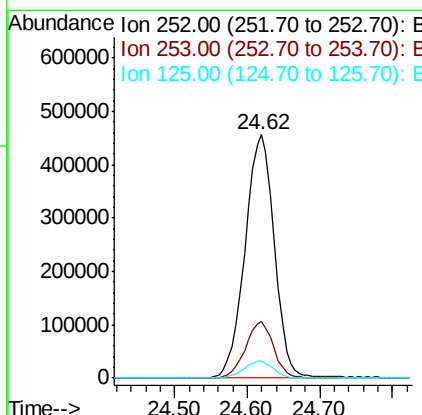
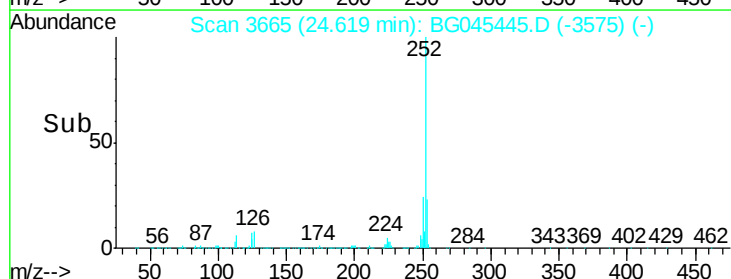
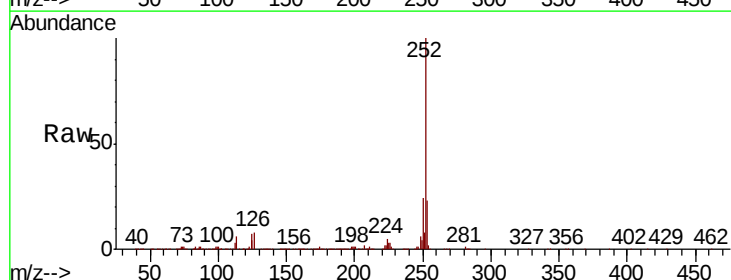
Manual Integrations
APPROVED

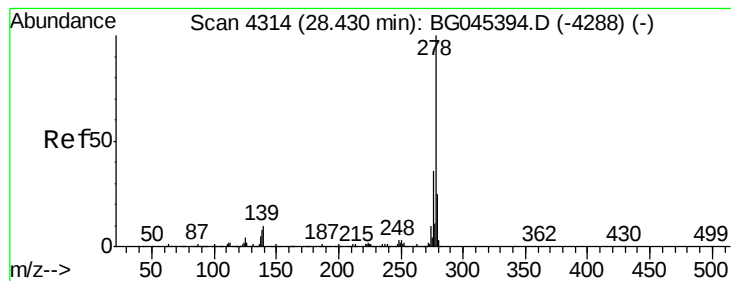
mohammad
5/22/2020 2:56:23 PM



#90
Benzo(a)pyrene
Concen: 54.119 ng
RT: 24.62 min Scan# 3665
Delta R.T. -0.00 min
Lab File: BG045445.D
Acq: 21 May 2020 18:21

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.2	25.8
125	7.1	5.0	7.6





#91

Dibenzo(a,h)anthracene

Concen: 57.455 ng

RT: 28.41 min Scan# 4310

Delta R.T. -0.00 min

Lab File: BG045445.D

Acq: 21 May 2020 18:21

Instrument :

BNA_G

ClientSampleId :

TR-04-052020MS

Tot Ion:278 Resp: 1367137

Ion Ratio Lower Upper

278 100

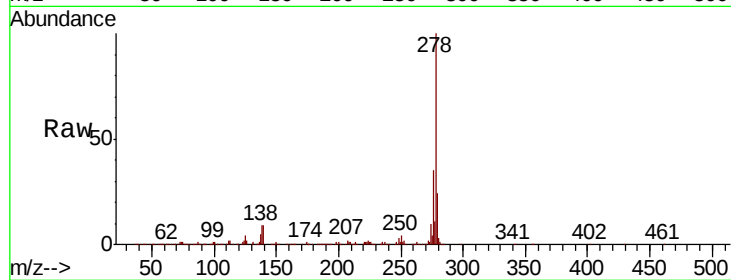
139 8.8 7.8 11.8

279 24.2 19.8 29.8

Manual Integrations
APPROVED

mohammad

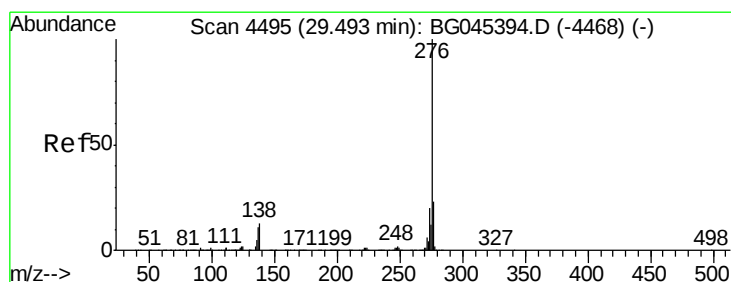
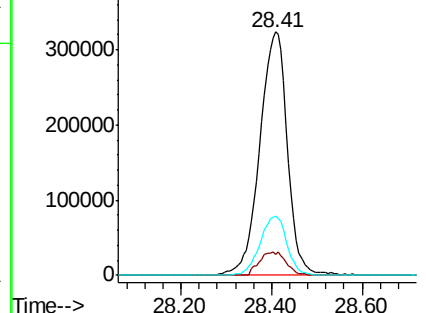
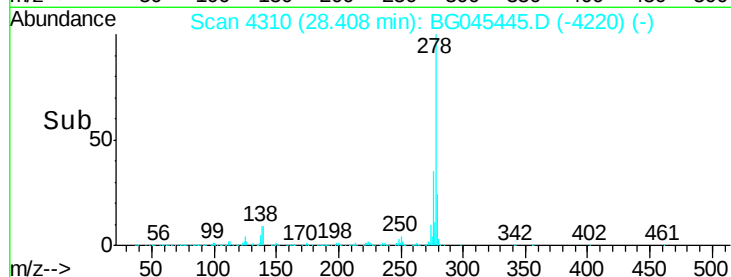
5/22/2020 2:56:23 PM



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 58.139 ng

RT: 29.45 min Scan# 4488

Delta R.T. -0.01 min

Lab File: BG045445.D

Acq: 21 May 2020 18:21

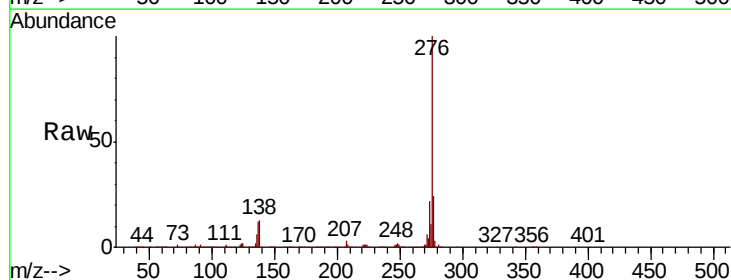
Tgt Ion:276 Resp: 1383589

Ion Ratio Lower Upper

276 100

277 23.8 18.1 27.1

138 13.2 10.2 15.4



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

