

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061220\
 Data File : BG045760.D
 Acq On : 13 Jun 2020 5:58
 Operator : CG/JU
 Sample : L2979-02MSD
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 15-SPMSD

Manual Integrations
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mohammad
 6/16/2020 11:05:04 AM

Quant Time: Jun 13 06:59:12 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG051520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 01 15:07:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.95	152	62376	20.00	ng	0.00
21) Naphthalene-d8	10.75	136	243061	20.00	ng	0.00
39) Acenaphthene-d10	14.59	164	167646	20.00	ng	0.00
64) Phenanthrene-d10	17.34	188	379094	20.00	ng	0.00
76) Chrysene-d12	21.60	240	333907	20.00	ng	0.00
87) Perylene-d12	24.75	264	364533	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.58	112	356089	111.57	ng	0.04
7) Phenol-d6	7.21	99	511055	112.50	ng	0.06
23) Nitrobenzene-d5	9.12	82	323728	72.63	ng	0.00
42) 2,4,6-Tribromophenol	16.10	330	226779	105.77	ng	0.00
45) 2-Fluorobiphenyl	13.22	172	721449	72.99	ng	0.00
79) Terphenyl-d14	19.95	244	1130432	78.96	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.40	88	62236	39.322	ng	# 95
3) Pyridine	3.80	79	180746	41.004	ng	97
4) n-Nitrosodimethylamine	3.72	42	76032	52.711	ng	# 88
6) Aniline	7.28	93	178810	30.152	ng	100
8) 2-Chlorophenol	7.55	128	197980	56.563	ng	99
9) Benzaldehyde	7.08	77	144139	48.700	ng	97
10) Phenol	7.24	94	267876	57.214	ng	98
11) bis(2-Chloroethyl)ether	7.37	93	177363	48.567	ng	99
12) 1,3-Dichlorobenzene	7.84	146	212061	50.417	ng	99
13) 1,4-Dichlorobenzene	7.98	146	211235	50.889	ng	96
14) 1,2-Dichlorobenzene	8.30	146	197883	49.565	ng	95
15) Benzyl Alcohol	8.21	79	198275	52.834	ng	99
16) 2,2'-oxybis(1-Chloropropan	8.48	45	168090	48.489	ng	70
17) 2-Methylphenol	8.46	107	175766	50.156	ng	# 92
18) Hexachloroethane	9.03	117	81326	51.155	ng	93
19) n-Nitroso-di-n-propylamine	8.76	70	160890	51.216	ng	98
20) 3+4-Methylphenols	8.80	107	233794	48.992	ng	93
22) Acetophenone	8.77	105	292956	50.853	ng	# 96
24) Nitrobenzene	9.16	77	246123	51.539	ng	98
25) Isophorone	9.68	82	426422	48.578	ng	96
26) 2-Nitrophenol	9.87	139	114139	55.872	ng	92
27) 2,4-Dimethylphenol	9.98	122	175310	57.860	ng	97
28) bis(2-Chloroethoxy)methane	10.16	93	242571	52.693	ng	96
29) 2,4-Dichlorophenol	10.45	162	202076	56.478	ng	99
30) 1,2,4-Trichlorobenzene	10.62	180	223193	52.791	ng	98
31) Naphthalene	10.81	128	585593	51.701	ng	99
32) Benzoic acid	10.20	122	120903	56.443	ng	97
33) 4-Chloroaniline	10.93	127	106772	22.552	ng	97
34) Hexachlorobutadiene	11.10	225	155348	51.981	ng	98
35) Caprolactam	11.71	113	63827	48.601	ng	85
36) 4-Chloro-3-methylphenol	12.12	107	232983	57.787	ng	97
37) 2-Methylnaphthalene	12.42	142	438157	51.902	ng	95
38) 1-Methylnaphthalene	12.63	142	412909m	51.778	ng	
40) 1,2,4,5-Tetrachlorobenzene	12.79	216	248550	53.079	ng	98

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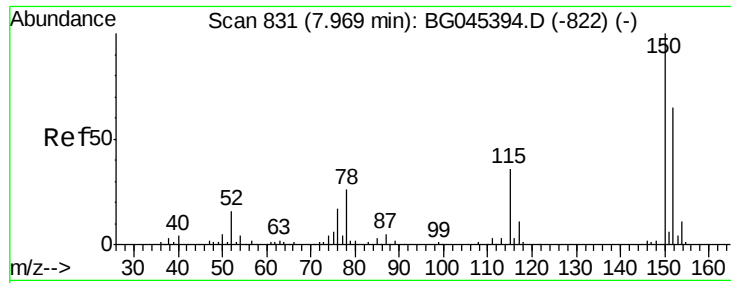
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.76	237	217687	80.544	nq	98
43) 2,4,6-Trichlorophenol	13.05	196	172145	52.922	nq	98
44) 2,4,5-Trichlorophenol	13.15	196	188448	50.697	nq	99
46) 1,1'-Biphenyl	13.43	154	551076	53.497	nq	100
47) 2-Chloronaphthalene	13.47	162	434160	51.903	nq	98
48) 2-Nitroaniline	13.69	65	140897	51.206	nq	94
49) Acenaphthylene	14.31	152	686804	51.116	nq	99
50) Dimethylphthalate	14.06	163	607001	52.781	nq	99
51) 2,6-Dinitrotoluene	14.17	165	128822	49.641	nq	100
52) Acenaphthene	14.66	154	413991	46.030	nq	97
53) 3-Nitroaniline	14.52	138	90063	34.141	nq	99
54) 2,4-Dinitrophenol	14.73	184	104968	62.993	nq	97
55) Dibenzofuran	15.00	168	679672	50.889	nq	96
56) 4-Nitrophenol	14.92	139	165720	82.975	nq	88
57) 2,4-Dinitrotoluene	14.97	165	181455	48.281	nq	98
58) Fluorene	15.64	166	570243	51.970	nq	98
59) 2,3,4,6-Tetrachlorophenol	15.24	232	173158	52.949	nq	99
60) Diethylphthalate	15.41	149	578351	48.317	nq	99
61) 4-Chlorophenyl-phenylether	15.64	204	314434	50.077	nq	99
62) 4-Nitroaniline	15.69	138	112139	40.719	nq	100
63) Azobenzene	15.93	77	566176	50.726	nq	98
65) 4,6-Dinitro-2-methylphenol	15.74	198	105701	47.875	nq	95
66) n-Nitrosodiphenylamine	15.86	169	489197	53.746	nq	97
67) 4-Bromophenyl-phenylether	16.53	248	214242	52.191	nq	97
68) Hexachlorobenzene	16.65	284	235680	54.893	nq	96
69) Atrazine	16.81	200	184116	49.110	nq	98
70) Pentachlorophenol	17.02	266	231375	103.787	nq	98
71) Phenanthrene	17.39	178	919788	55.578	nq	100
72) Anthracene	17.47	178	887090	53.376	nq	98
73) Carbazole	17.76	167	802746	49.552	nq	99
74) Di-n-butylphthalate	18.30	149	948242	48.767	nq	99
75) Fluoranthene	19.40	202	1114881	52.963	nq	99
77) Benzidine	19.58	184	414560	44.206	nq	98
78) Pyrene	19.76	202	1078704	56.672	nq	99
80) Butylbenzylphthalate	20.65	149	416980	50.754	nq	99
81) Benzo(a)anthracene	21.59	228	986494	53.035	nq	99
82) 3,3'-Dichlorobenzidine	21.50	252	263667	36.137	nq	98
83) Chrysene	21.65	228	965931	54.007	nq	99
84) Bis(2-ethylhexyl)phthalate	21.49	149	581902	51.525	nq	98
85) Di-n-octyl phthalate	22.68	149	971986	50.110	nq	100
86) Indeno(1,2,3-cd)pyrene	28.34	276	1234222	52.771	nq	# 97
88) Benzo(b)fluoranthene	23.76	252	1056178	54.024	nq	99
89) Benzo(k)fluoranthene	23.82	252	1014766	55.249	nq	99
90) Benzo(a)pyrene	24.61	252	964382	52.965	nq	98
91) Dibenzo(a,h)anthracene	28.40	278	978718	53.491	nq	97
92) Benzo(g,h,i)perylene	29.45	276	1010678	55.230	nq	98

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



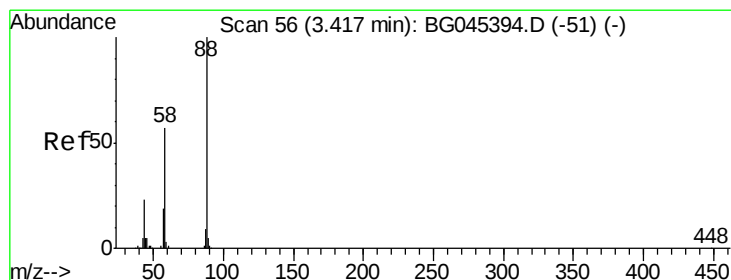
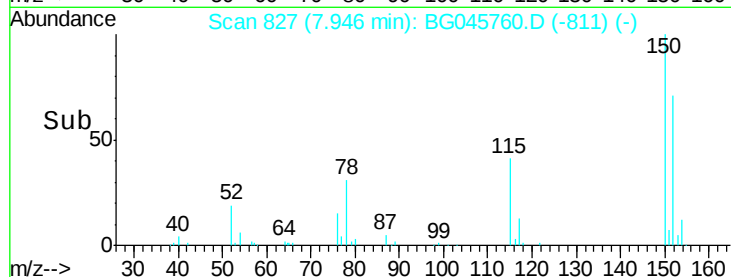
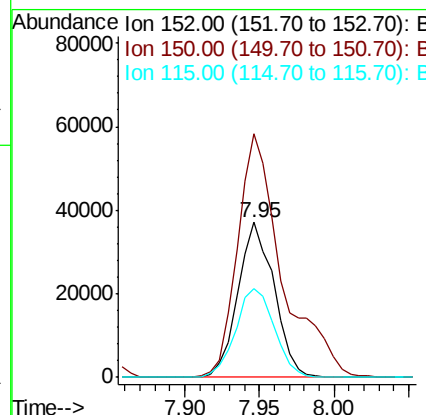
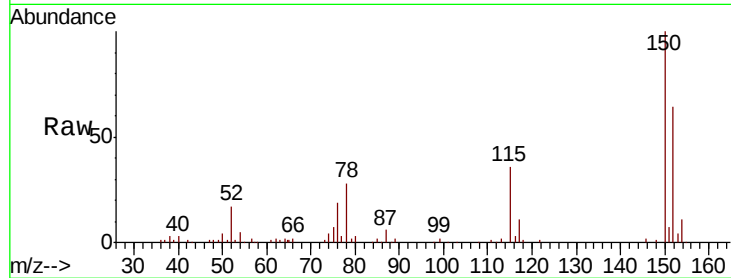
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 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.95 min Scan# 827
 Delta R.T. -0.00 min
 Lab File: BG045760.D
 Acq: 13 Jun 2020 5:58

Instrument :
 BNA_G
 ClientSampleId :
 15-SPMSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.9	122.4	183.6
115	56.9	44.2	66.4

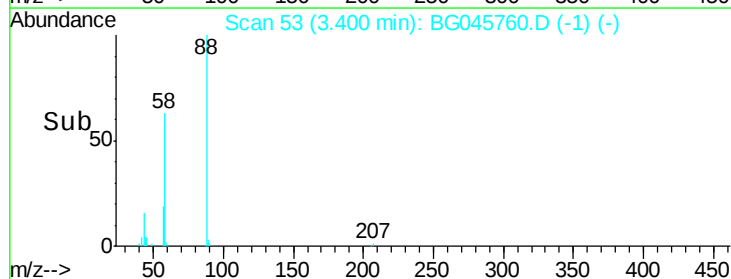
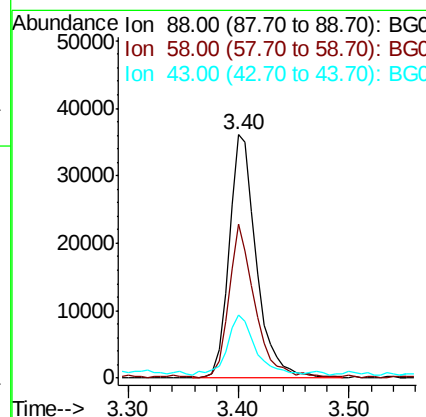
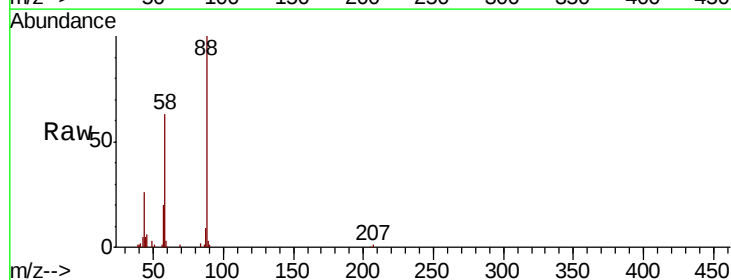
Manual Integrations
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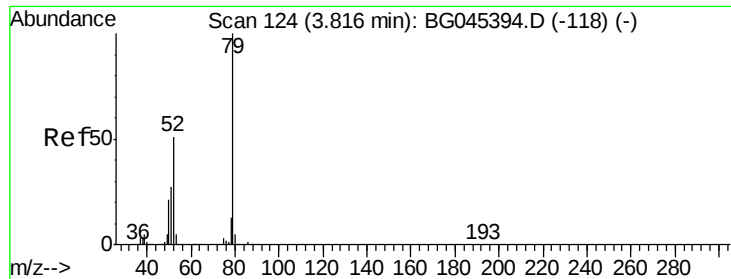
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#2
 1,4-Dioxane
 Concen: 39.322 ng
 RT: 3.40 min Scan# 53
 Delta R.T. 0.00 min
 Lab File: BG045760.D
 Acq: 13 Jun 2020 5:58

Tgt Ion	Ratio	Lower	Upper
88	100		
58	59.4	45.7	68.5
43	25.2	16.8	25.2





#3

Pvridine

Concen: 41.004 ng

RT: 3.80 min Scan# 121

Delta R.T. -0.00 min

Lab File: BG045760.D

Acq: 13 Jun 2020 5:58

Instrument :

BNA_G

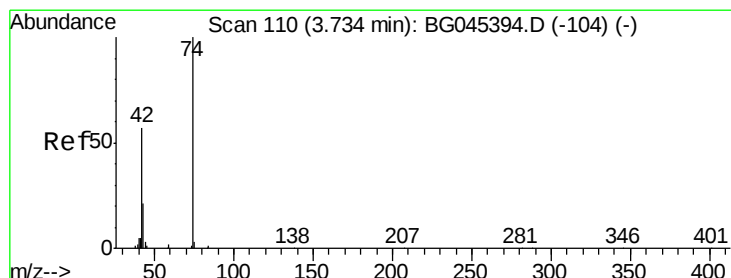
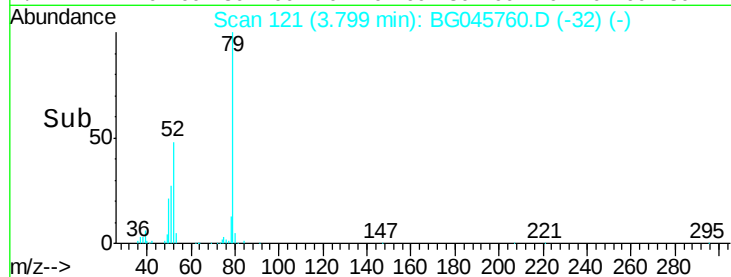
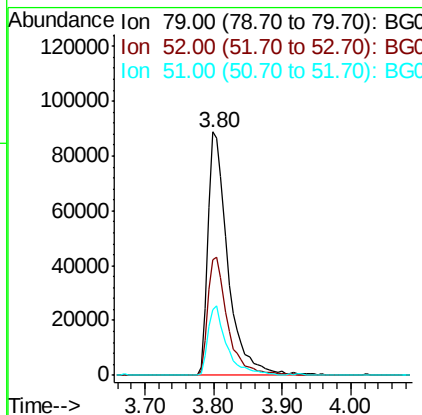
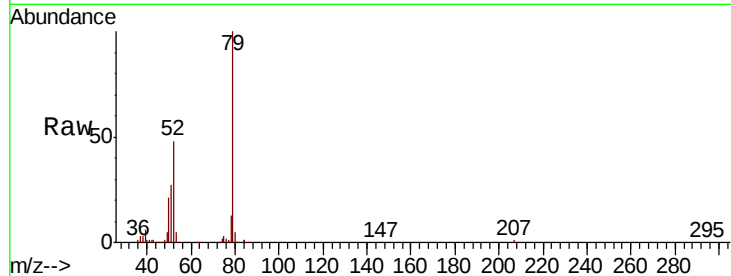
ClientSampleId :

15-SPMSD

Tot Ion:	79	Resp:	180746
Ion Ratio	Lower	Upper	
79	100		
52	47.7	40.8	61.2
51	27.2	21.9	32.9

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#4

n-Nitrosodimethylamine

Concen: 52.711 ng

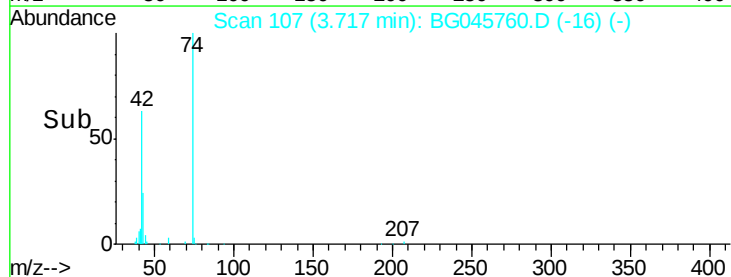
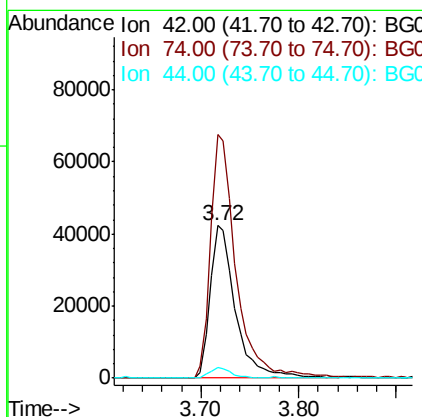
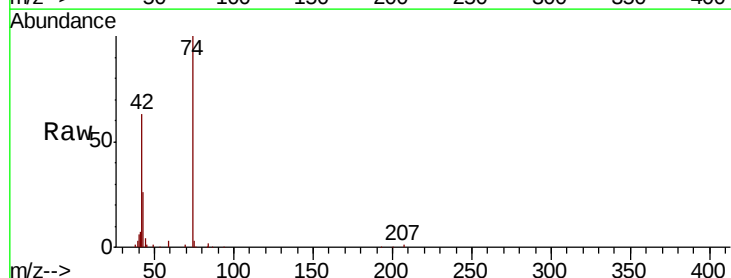
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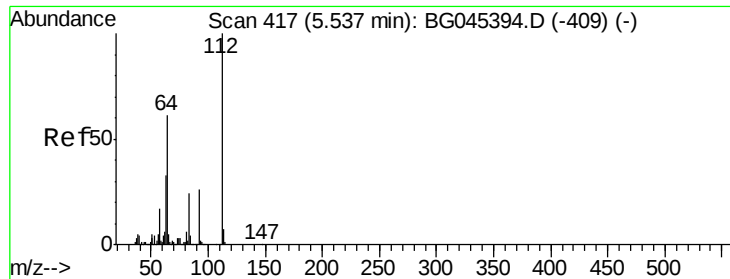
Delta R.T. 0.01 min

Lab File: BG045760.D

Acq: 13 Jun 2020 5:58

Tgt Ion:	42	Resp:	76032
Ion Ratio	Lower	Upper	
42	100		
74	159.6	141.3	211.9
44	6.7	4.2	6.4#





#5

2-Fluorophenol

Concen: 111.566 ng

RT: 5.58 min Scan# 424

Delta R.T. 0.04 min

Lab File: BG045760.D

Acq: 13 Jun 2020 5:58

Instrument :

BNA_G

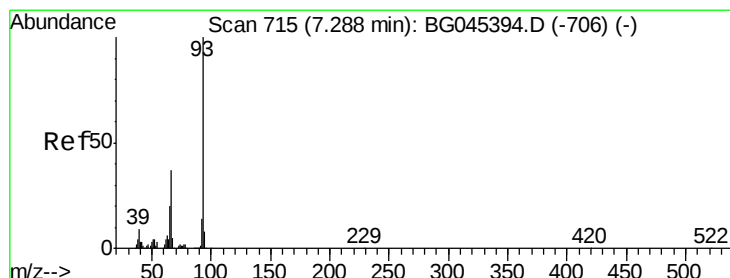
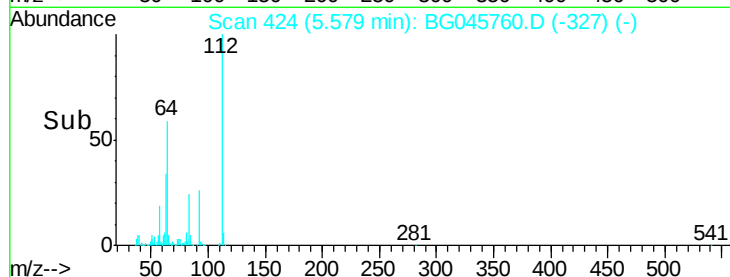
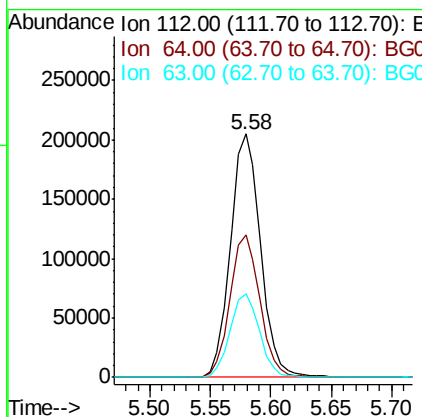
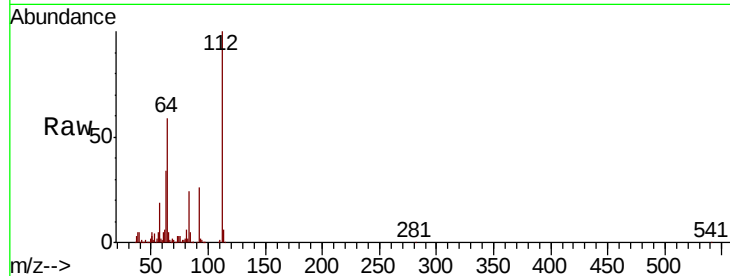
ClientSampleId :

15-SPMSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
112	100		356089		
64	58.7	48.6	72.8		
63	34.4	26.5	39.7		

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#6

Aniline

Concen: 30.152 ng

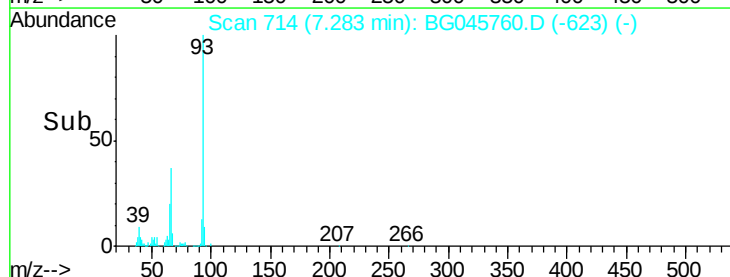
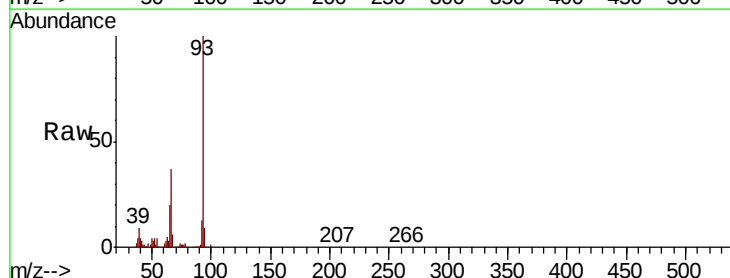
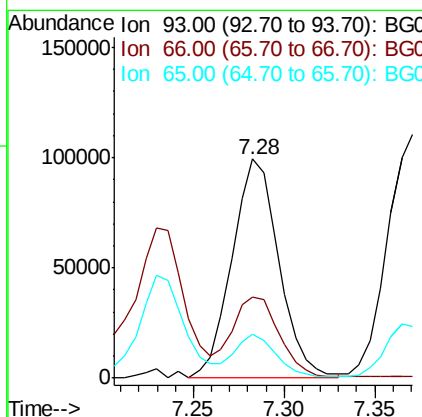
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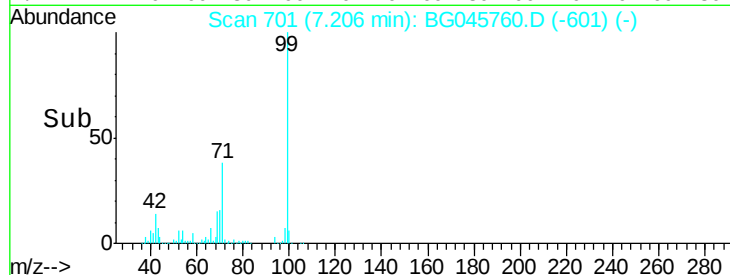
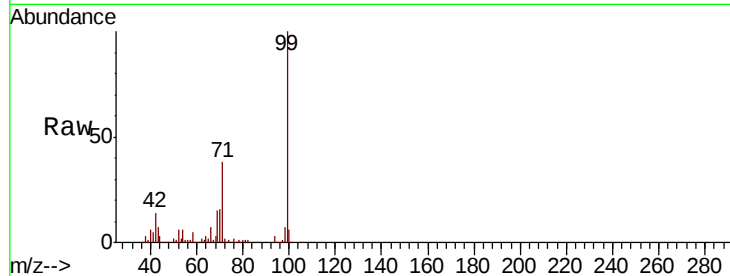
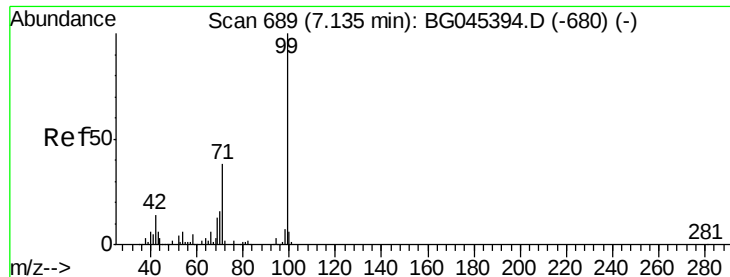
Delta R.T. 0.01 min

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Tgt Ion	Ion	Ratio	Resp	Lower	Upper
93	100		178810		
66	36.9	29.6	44.4		
65	19.9	15.9	23.9		





#7

Phenol-d6

Concen: 112.498 ng

RT: 7.21 min Scan# 701

Delta R.T. 0.06 min

Lab File: BG045760.D

Acq: 13 Jun 2020 5:58

Tot Ion	99	Resp	511055
Ion Ratio	Lower	Upper	
99	100		
42	14.1	11.3	16.9
71	37.6	30.8	46.2

Instrument :

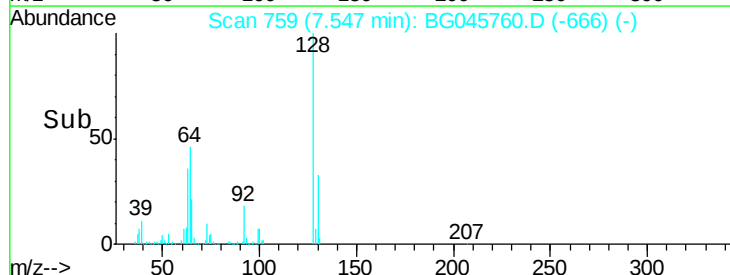
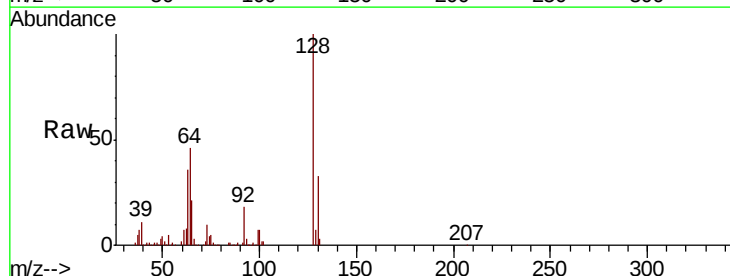
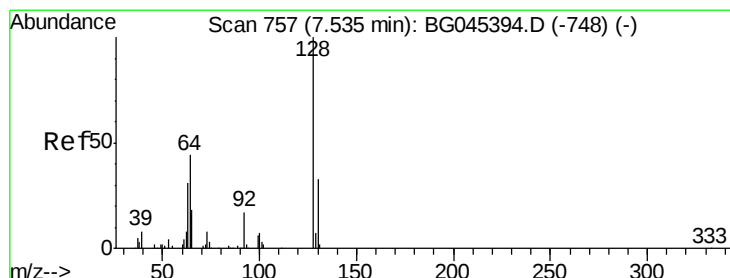
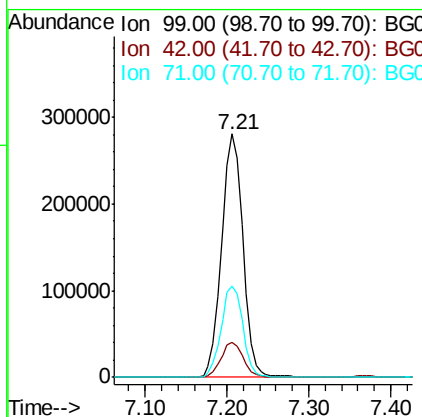
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#8

2-Chlorophenol

Concen: 56.563 ng

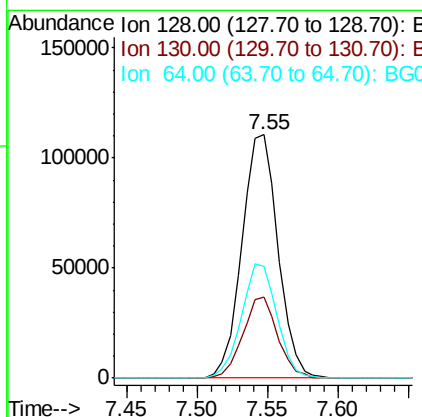
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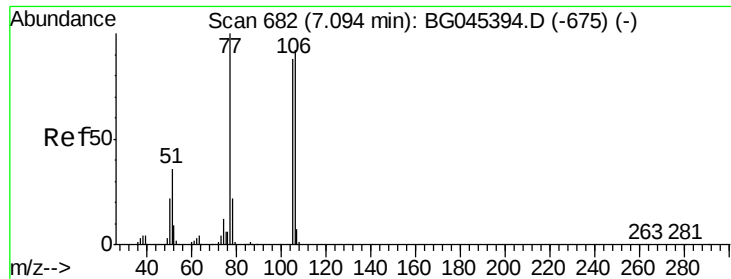
Delta R.T. 0.02 min

Lab File: BG045760.D

Acq: 13 Jun 2020 5:58

Tgt Ion	128	Resp	197980
Ion Ratio	Lower	Upper	
128	100		
130	33.0	12.6	52.6
64	45.8	27.0	67.0





#9

Benzaldehyde

Concen: 48.700 ng

RT: 7.08 min Scan# 680

Delta R.T. 0.00 min

Lab File: BG045760.D

Acq: 13 Jun 2020 5:58

Instrument :

BNA_G

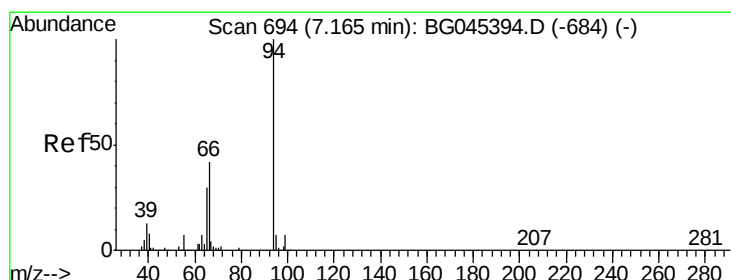
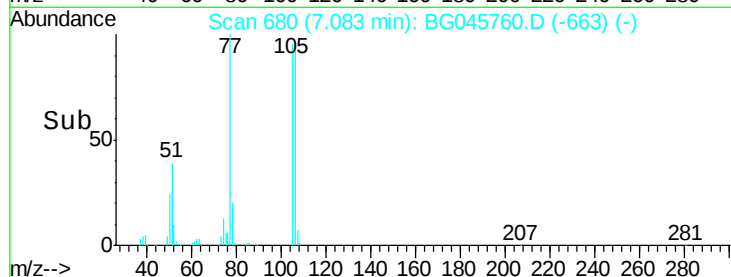
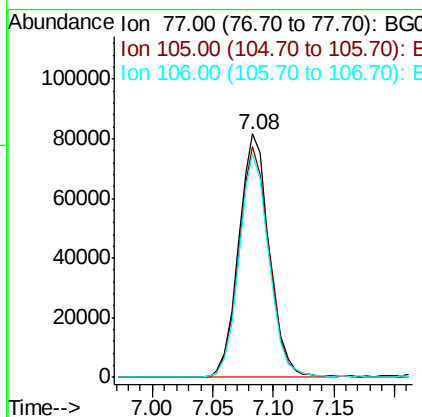
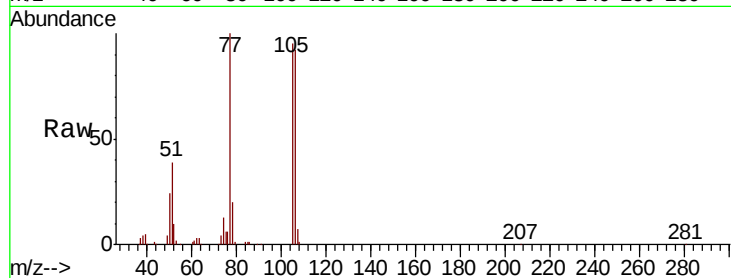
ClientSampled :

15-SPMSD

Tot Ion:	77	Resp:	144139
Ion Ratio	Lower	Upper	
77	100		
105	95.0	68.5	108.5
106	91.8	71.6	111.6

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#10

Phenol

Concen: 57.214 ng

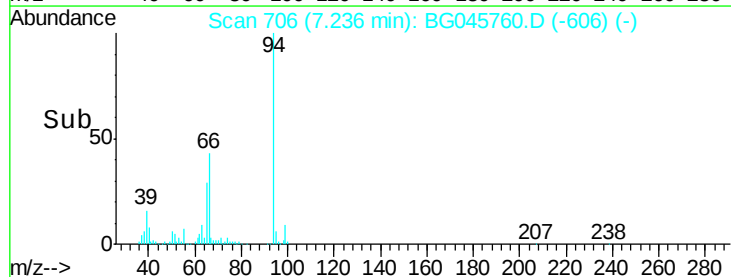
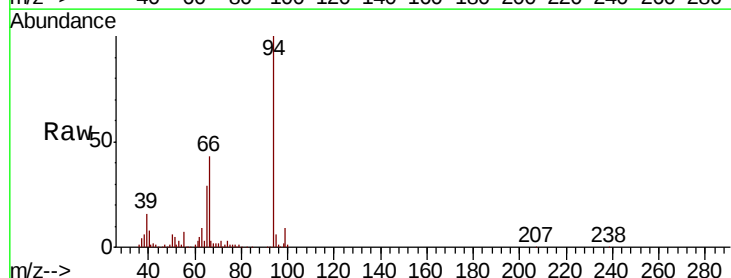
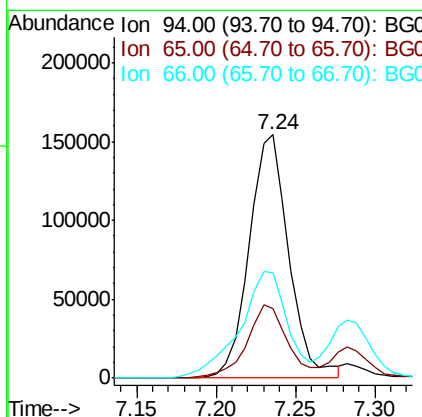
RT: 7.24 min Scan# 706

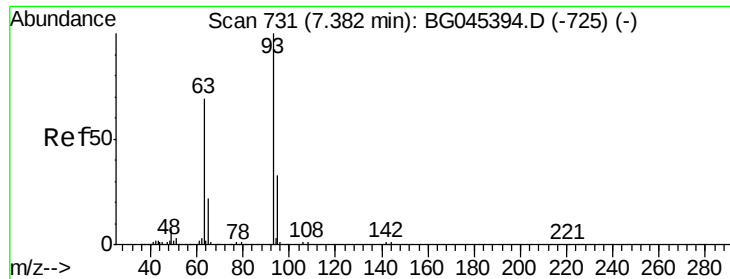
Delta R.T. 0.06 min

Lab File: BG045760.D

Acq: 13 Jun 2020 5:58

Tgt Ion:	94	Resp:	267876
Ion Ratio	Lower	Upper	
94	100		
65	28.8	9.8	49.8
66	43.3	22.0	62.0





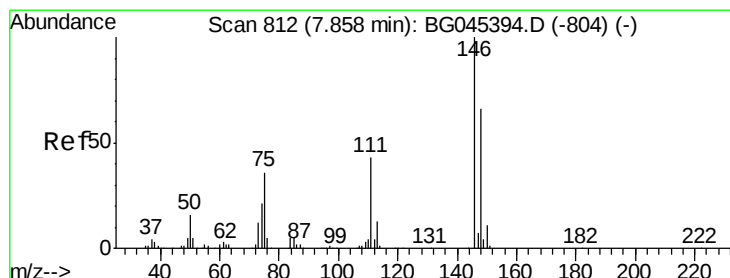
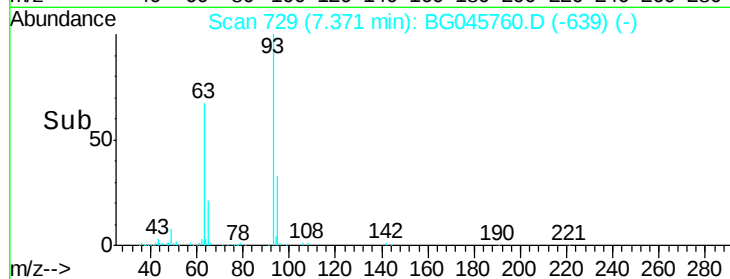
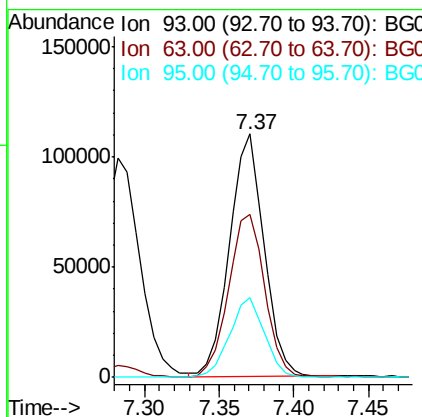
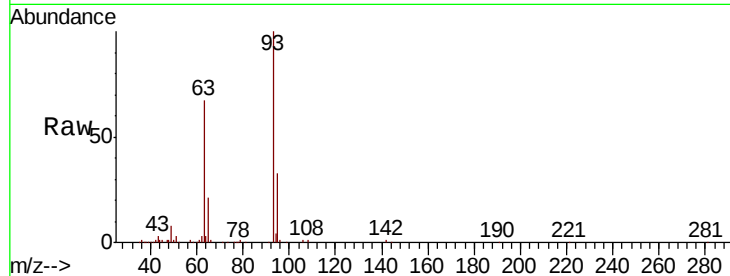
#11
bis(2-Chloroethyl)ether
Concen: 48.567 ng
RT: 7.37 min Scan# 729
Delta R.T. 0.00 min
Lab File: BG045760.D
Acq: 13 Jun 2020 5:58

Instrument :
BNA_G
ClientSampled :
15-SPMSD

Tot Ion:	93	Resp:	177363
Ion Ratio	Lower	Upper	
93	100		
63	67.0	48.4	88.4
95	32.5	12.4	52.4

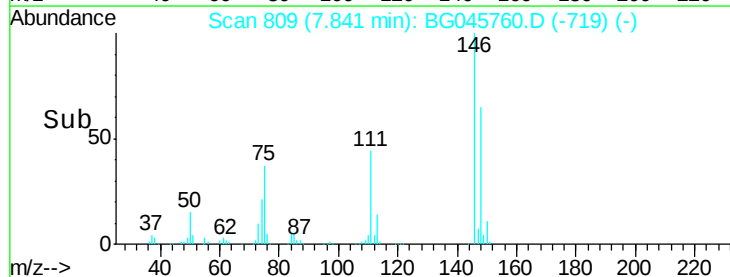
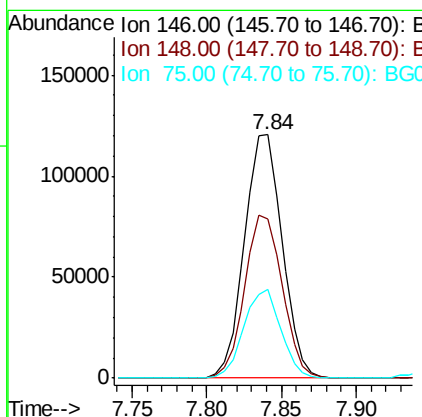
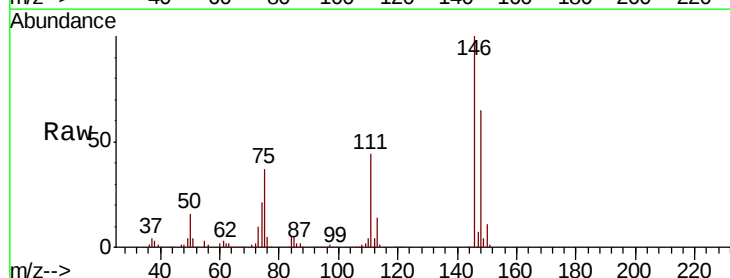
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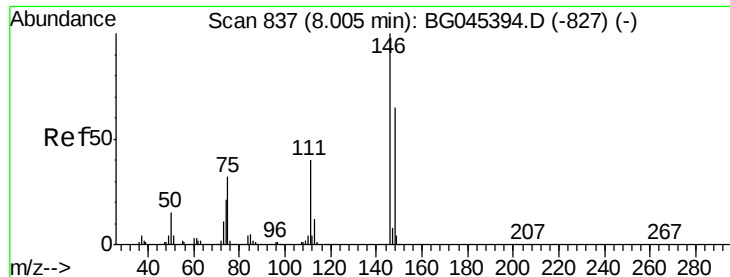
mohammad
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#12
1,3-Dichlorobenzene
Concen: 50.417 ng
RT: 7.84 min Scan# 809
Delta R.T. 0.00 min
Lab File: BG045760.D
Acq: 13 Jun 2020 5:58

Tgt Ion:	146	Resp:	212061
Ion Ratio	Lower	Upper	
146	100		
148	65.3	53.2	79.8
75	36.6	28.6	43.0





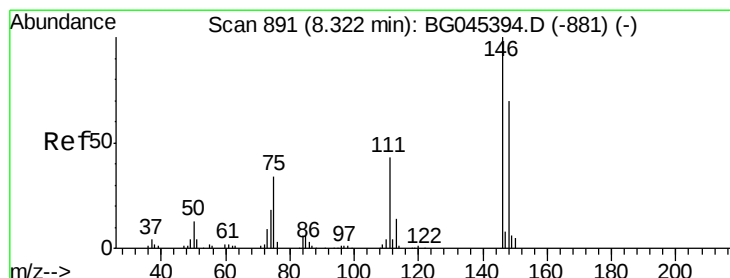
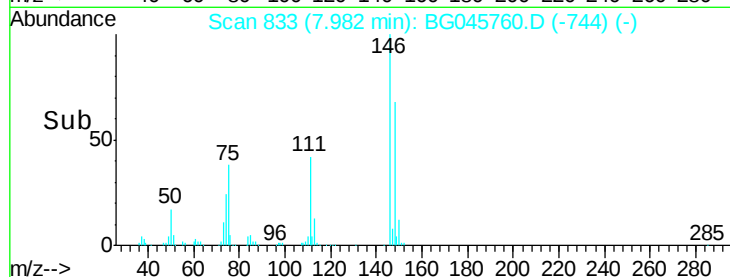
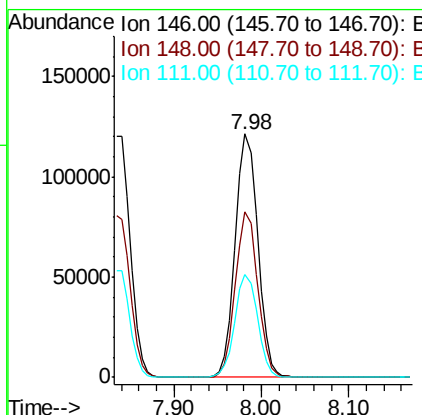
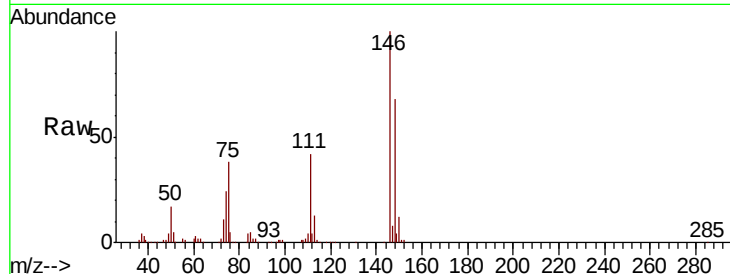
#13
 1,4-Dichlorobenzene
 Concen: 50.889 ng
 RT: 7.98 min Scan# 833
 Delta R.T. -0.00 min
 Lab File: BG045760.D
 Acq: 13 Jun 2020 5:58

Instrument :
 BNA_G
 ClientSampleId :
 15-SPMSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	67.9	51.8	77.8
111	42.3	32.1	48.1

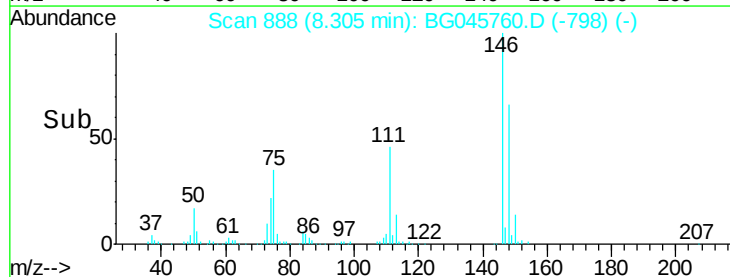
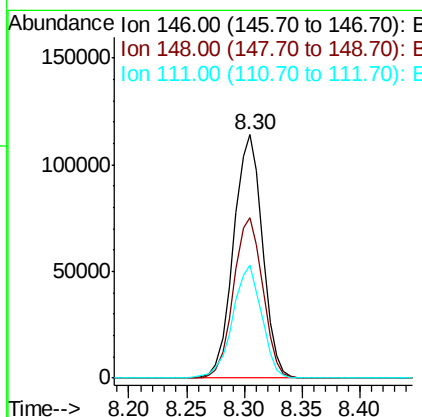
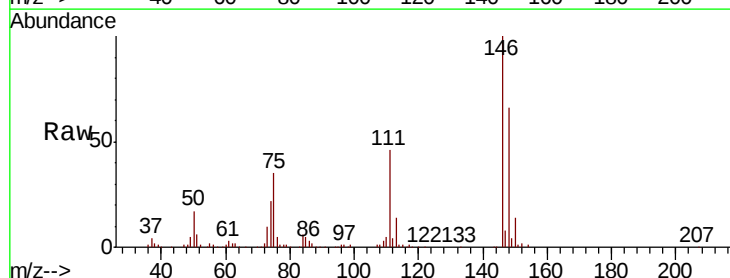
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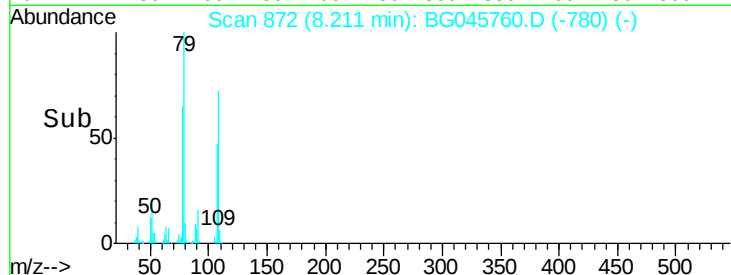
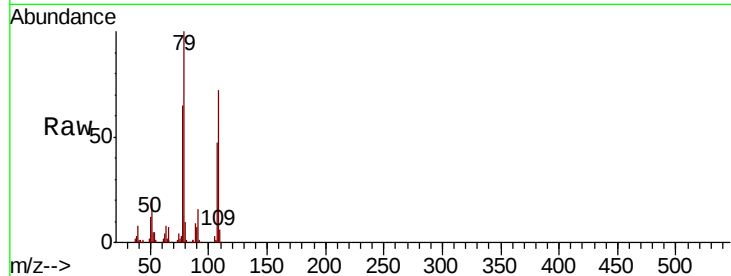
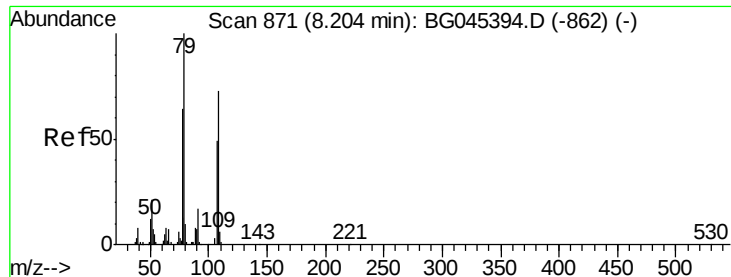
mohammad
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#14
 1,2-Dichlorobenzene
 Concen: 49.565 ng
 RT: 8.30 min Scan# 888
 Delta R.T. 0.00 min
 Lab File: BG045760.D
 Acq: 13 Jun 2020 5:58

Tgt Ion	Ratio	Lower	Upper
146	100		
148	65.7	55.9	83.9
111	46.4	35.0	52.4





#15

Benzyl Alcohol

Concen: 52.834 ng

RT: 8.21 min Scan# 872

Delta R.T. 0.01 min

Lab File: BG045760.D

Acq: 13 Jun 2020 5:58

Tot Ion	79	Resp	198275
Ion Ratio	Lower	Upper	
79	100		
108	72.0	58.2	87.4
77	65.2	51.0	76.4

Instrument :

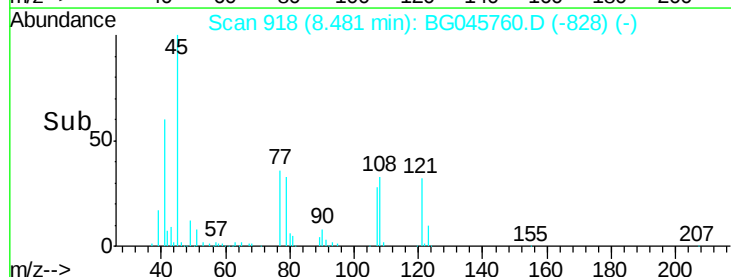
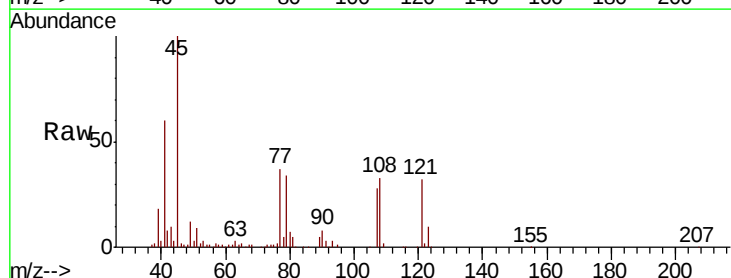
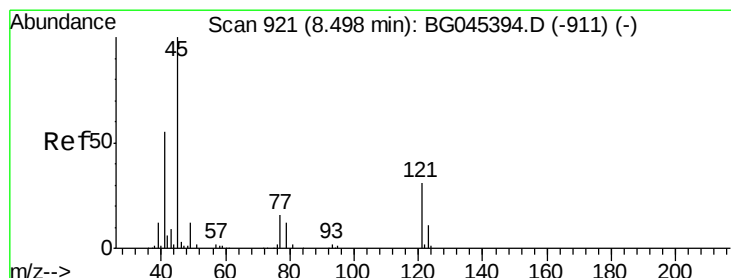
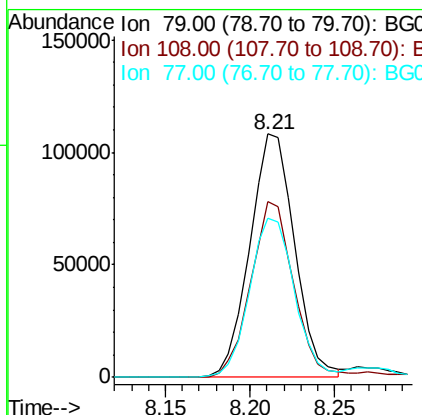
BNA_G

ClientSampled :

15-SPMSD

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#16

2,2'-oxybis(1-Chloropropane)

Concen: 48.489 ng

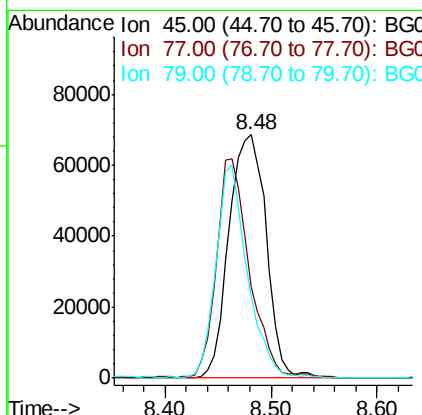
RT: 8.48 min Scan# 918

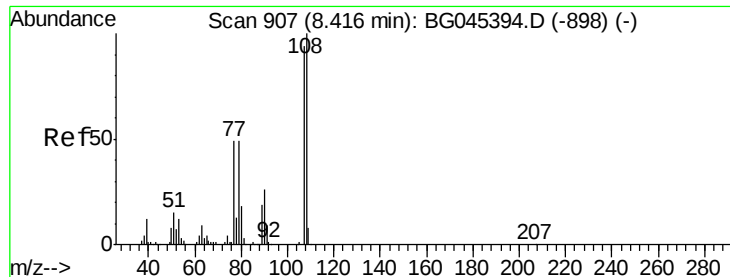
Delta R.T. 0.00 min

Lab File: BG045760.D

Acq: 13 Jun 2020 5:58

Tgt Ion	45	Resp	168090
Ion Ratio	Lower	Upper	
45	100		
77	37.5	4.0	44.0
79	34.0	0.0	38.6





#17

2-Methylphenol

Concen: 50.156 ng

RT: 8.46 min Scan# 914

Delta R.T. 0.04 min

Lab File: BG045760.D

Acq: 13 Jun 2020 5:58

Instrument :

BNA_G

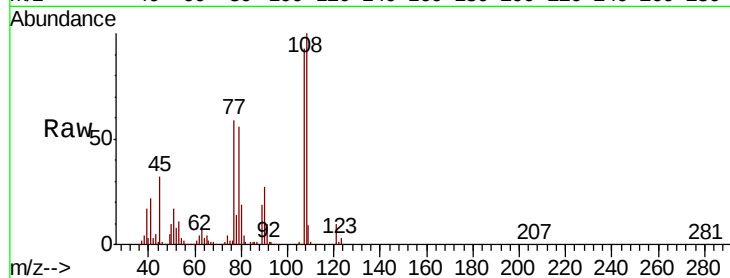
ClientSampleId :

15-SPMSD

Tot Ion:	107	Resp:	175766
Ion Ratio	Lower	Upper	
107	100		
108	107.8	85.2	127.8
77	63.9	41.6	62.4#
79	60.7	41.8	62.8

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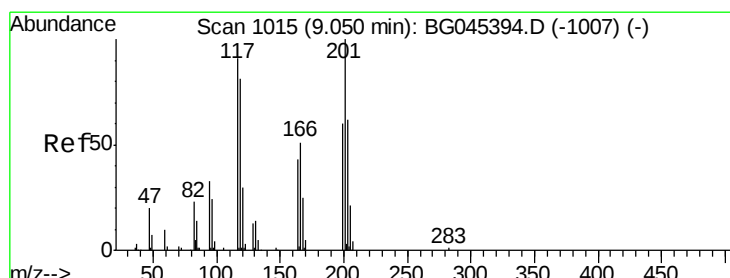
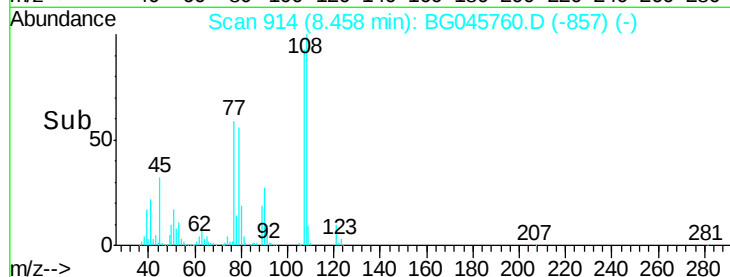
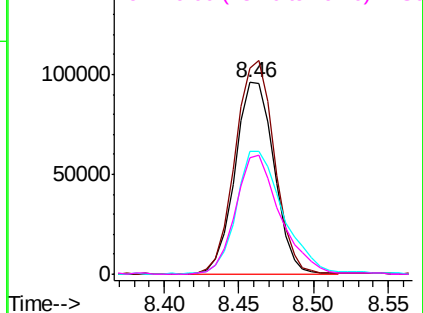
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BG

Ion 79.00 (78.70 to 79.70): BG



#18

Hexachloroethane

Concen: 51.155 ng

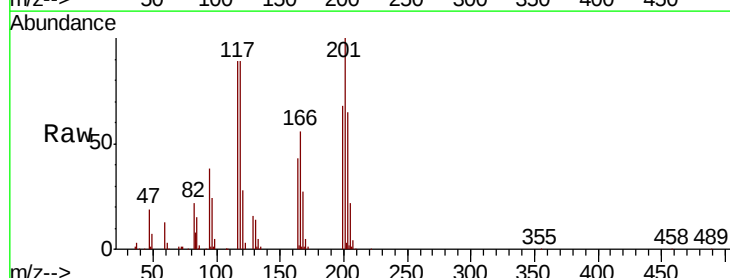
RT: 9.03 min Scan# 1011

Delta R.T. -0.01 min

Lab File: BG045760.D

Acq: 13 Jun 2020 5:58

Tgt Ion:	117	Resp:	81326
Ion Ratio	Lower	Upper	
117	100		
119	99.8	71.3	106.9
201	112.7	87.5	131.3

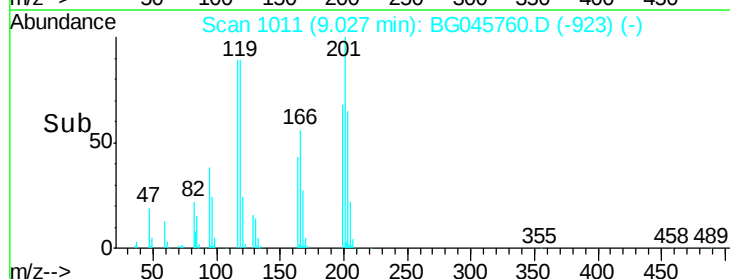
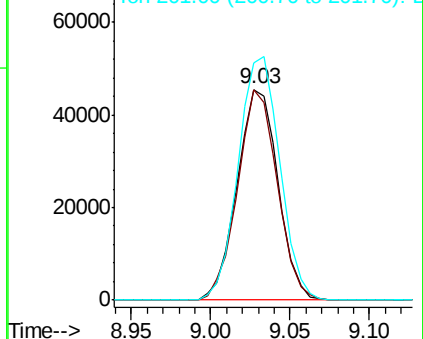


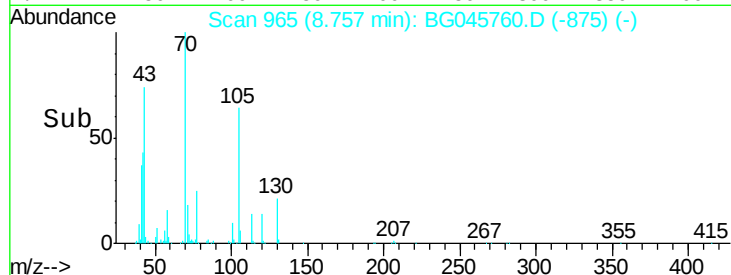
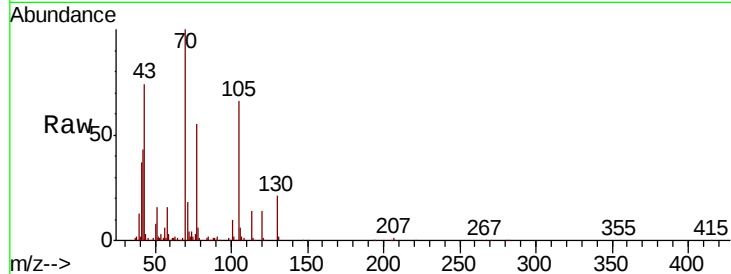
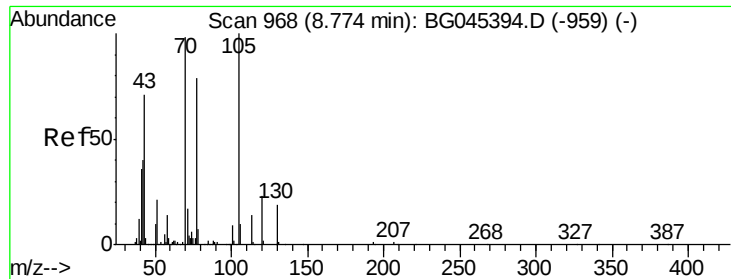
Abundance

Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





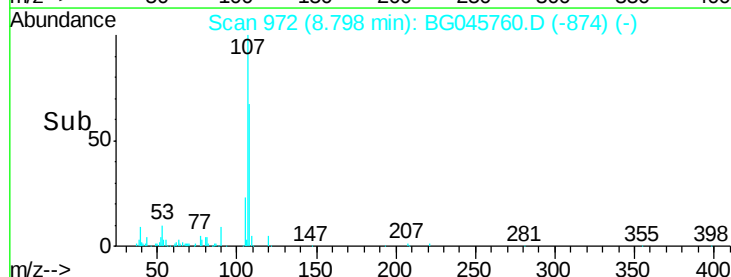
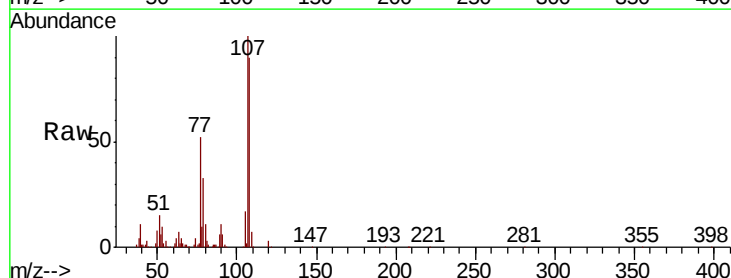
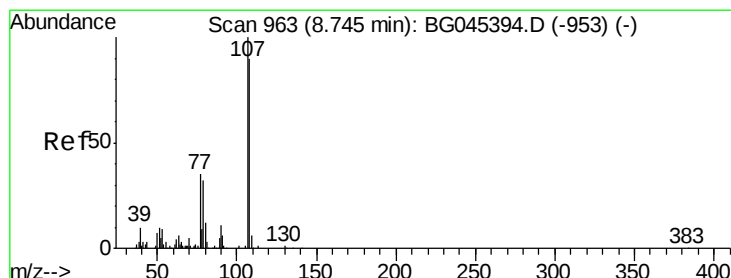
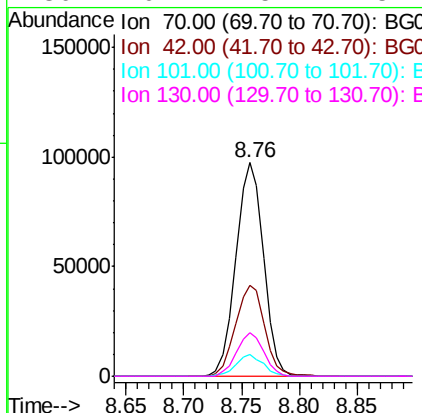
#19
n-Nitroso-di-n-propylamine
Concen: 51.216 ng
RT: 8.76 min Scan# 965
Delta R.T. 0.00 min
Lab File: BG045760.D
Acq: 13 Jun 2020 5:58

Instrument :
BNA_G
ClientSampleId :
15-SPMSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
70	100		160890		
42	42.7	33.2	49.8		
101	10.0	7.8	11.6		
130	20.7	15.4	23.2		

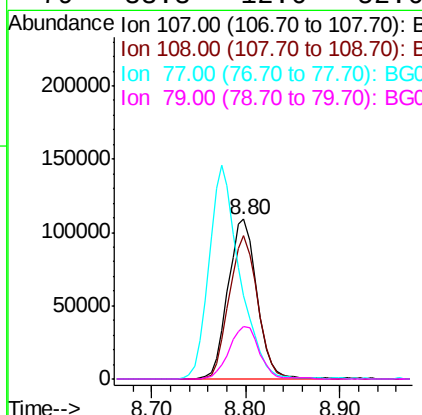
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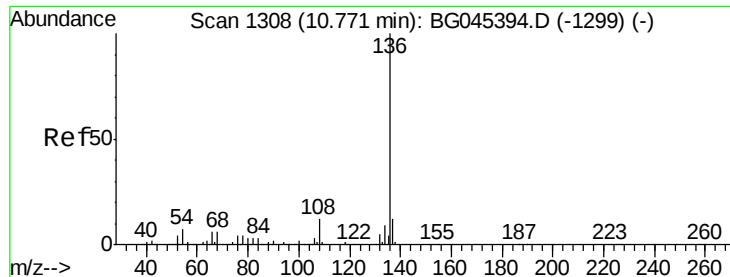
mohammad
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#20
3+4-Methylphenols
Concen: 48.992 ng
RT: 8.80 min Scan# 972
Delta R.T. 0.05 min
Lab File: BG045760.D
Acq: 13 Jun 2020 5:58

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100		233794		
108	90.0	70.3	110.3		
77	51.9	15.4	55.4		
79	33.3	12.6	52.6		





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.75 min Scan# 1305

Delta R.T. -0.00 min

Lab File: BG045760.D

Acq: 13 Jun 2020 5:58

Instrument :

BNA_G

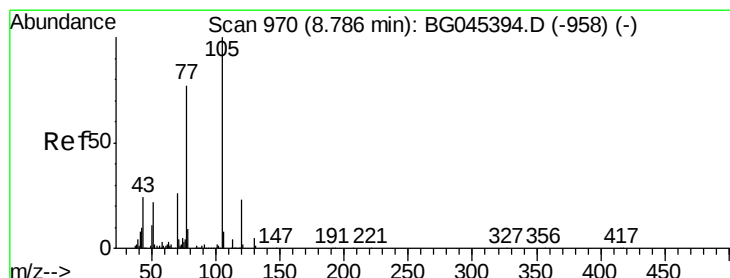
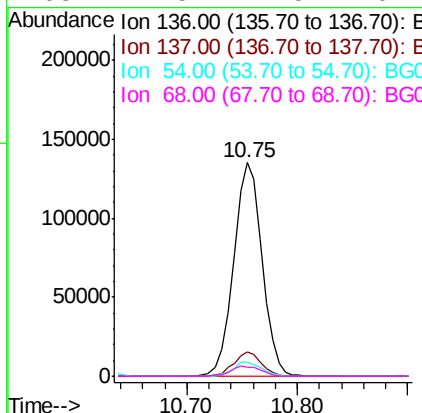
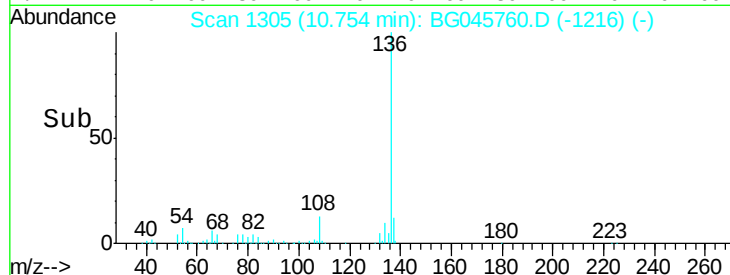
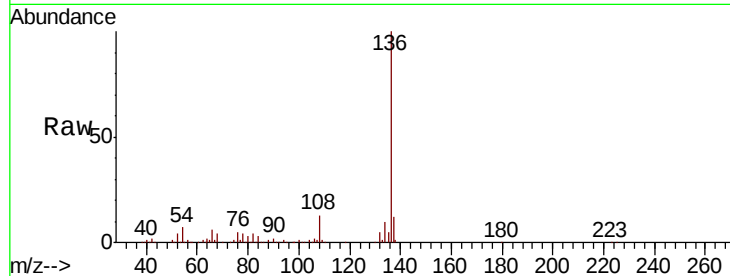
ClientSampleId :

15-SPMSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		243061		
137	11.5		9.4	14.2	
54	6.8		5.8	8.6	
68	4.5		4.5	6.7	

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#22

Acetophenone

Concen: 50.853 ng

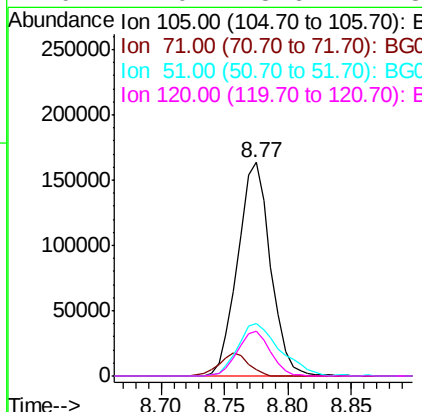
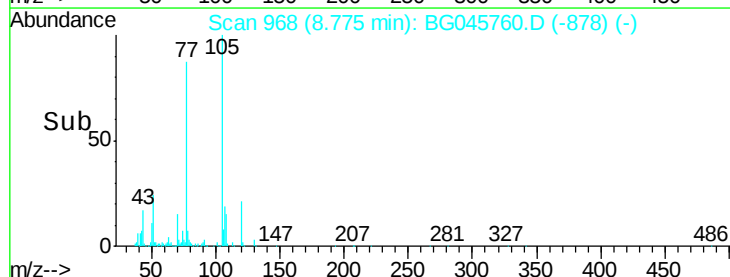
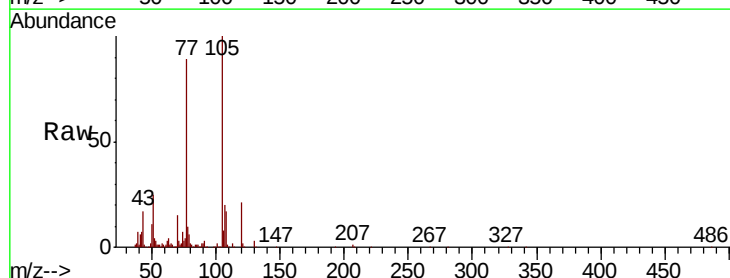
RT: 8.77 min Scan# 968

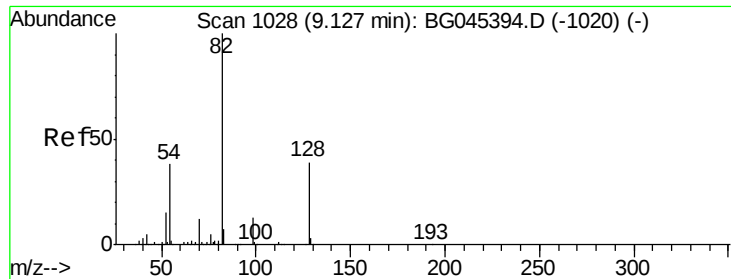
Delta R.T. 0.00 min

Lab File: BG045760.D

Acq: 13 Jun 2020 5:58

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		292956		
71	2.7		3.4	5.0	
51	24.7		18.2	27.2	
120	21.0		18.6	27.8	





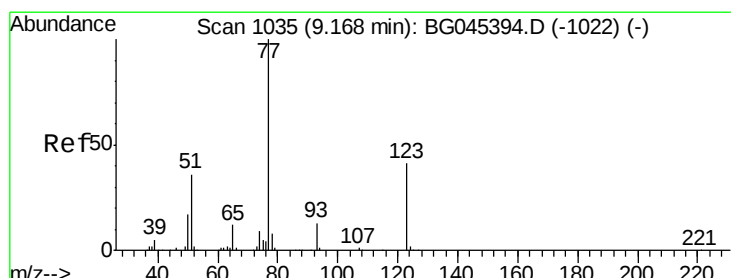
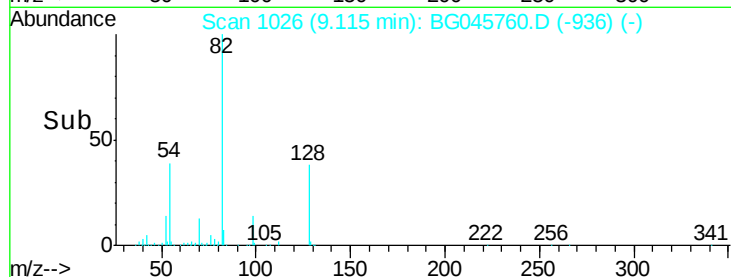
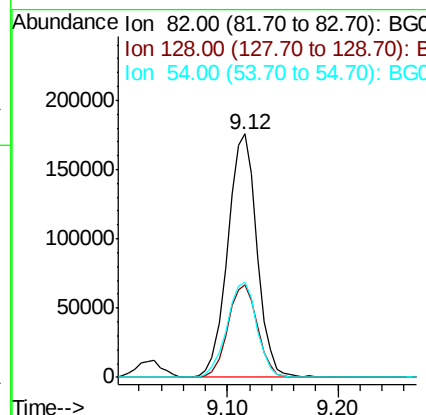
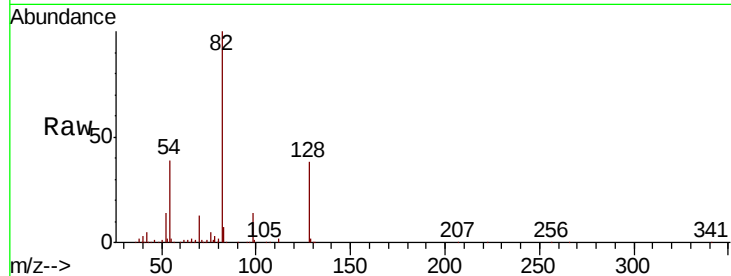
#23
Nitrobenzene-d5
Concen: 72.629 ng
RT: 9.12 min Scan# 1026
Delta R.T. 0.00 min
Lab File: BG045760.D
Acq: 13 Jun 2020 5:58

Instrument :
BNA_G
ClientSampleId :
15-SPMSD

Tot Ion	Ratio	Lower	Upper
82	100		
128	38.0	30.9	46.3
54	39.3	30.3	45.5

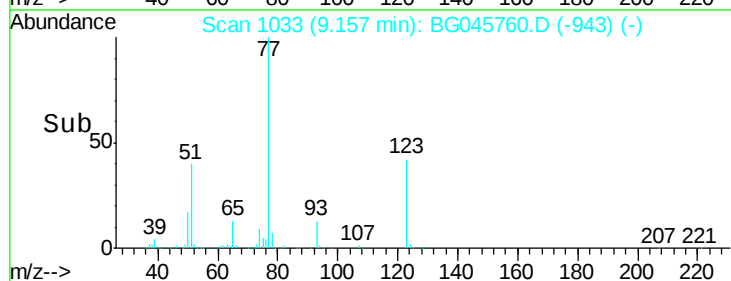
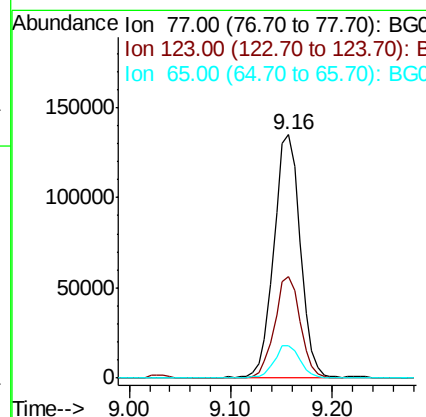
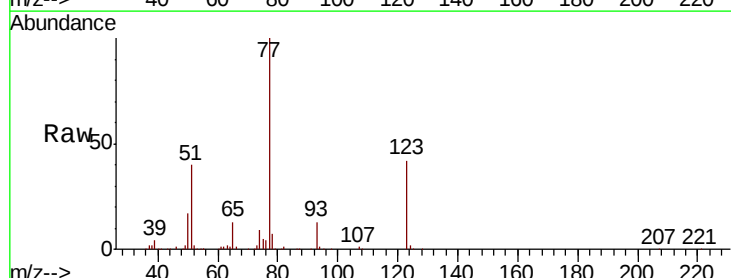
Manual Integrations
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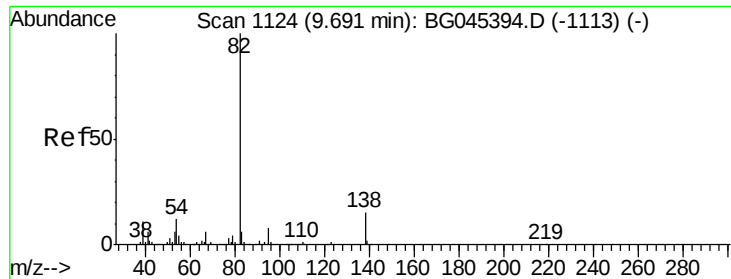
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#24
Nitrobenzene
Concen: 51.539 ng
RT: 9.16 min Scan# 1033
Delta R.T. 0.00 min
Lab File: BG045760.D
Acq: 13 Jun 2020 5:58

Tgt Ion	Ratio	Lower	Upper
77	100		
123	41.9	32.9	49.3
65	13.2	9.4	14.2





#25

Isophorone

Concen: 48.578 ng

RT: 9.68 min Scan# 1122

Delta R.T. 0.00 min

Lab File: BG045760.D

Acq: 13 Jun 2020 5:58

Instrument :

BNA_G

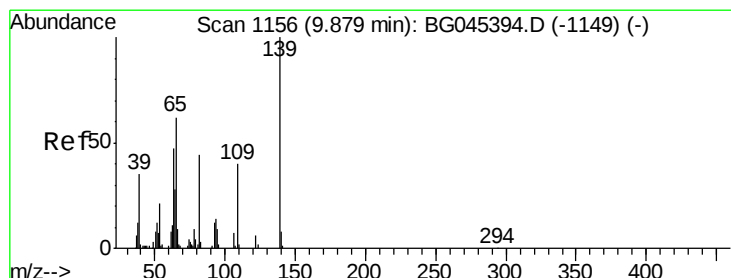
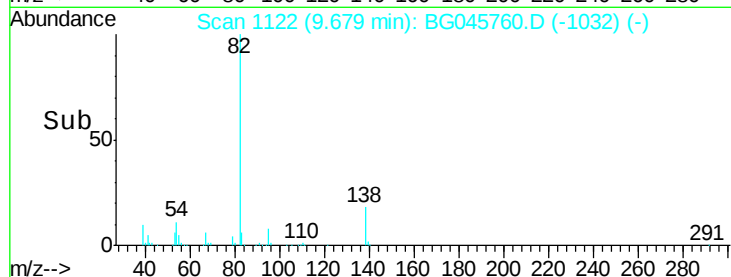
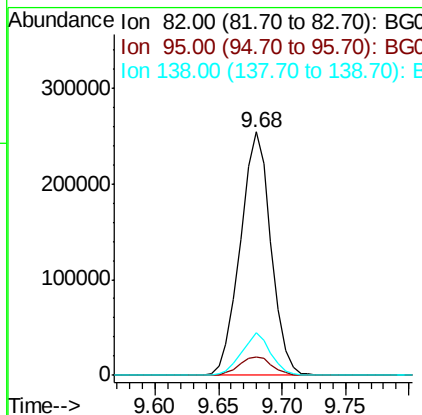
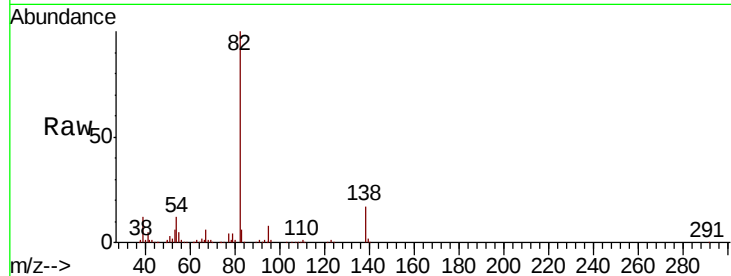
ClientSampleId :

15-SPMSD

Tot Ion:	82	Resp:	426422
Ion Ratio	Lower	Upper	
82	100		
95	7.5	6.7	10.1
138	17.3	12.2	18.4

Manual Integrations
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#26

2-Nitrophenol

Concen: 55.872 ng

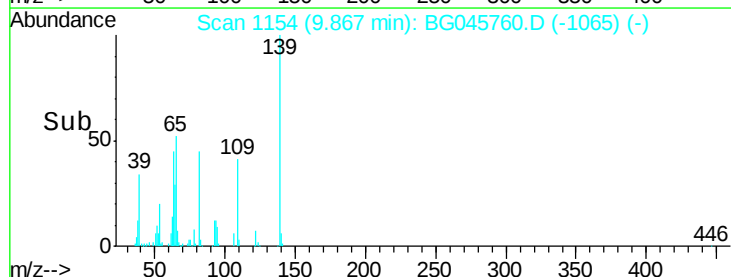
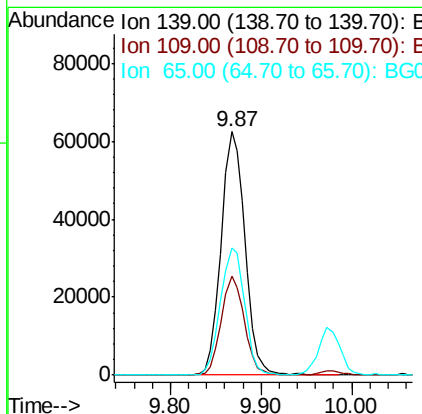
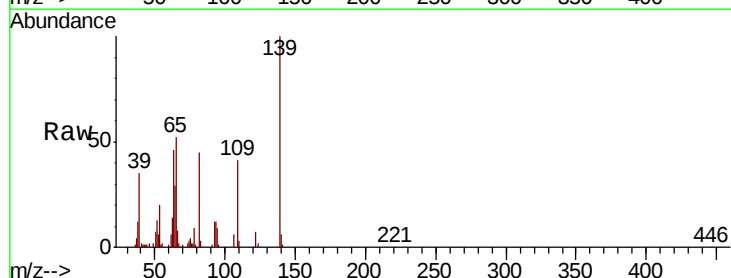
RT: 9.87 min Scan# 1154

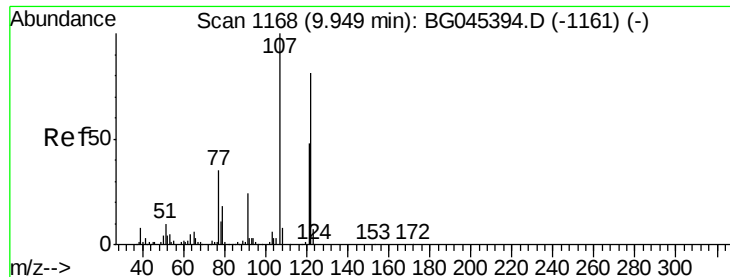
Delta R.T. -0.00 min

Lab File: BG045760.D

Acq: 13 Jun 2020 5:58

Tgt Ion:	139	Resp:	114139
Ion Ratio	Lower	Upper	
139	100		
109	40.8	32.2	48.4
65	52.4	49.6	74.4





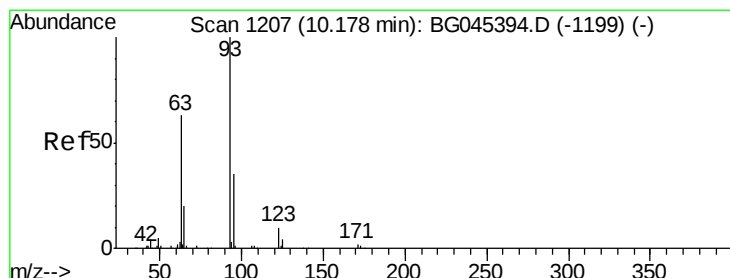
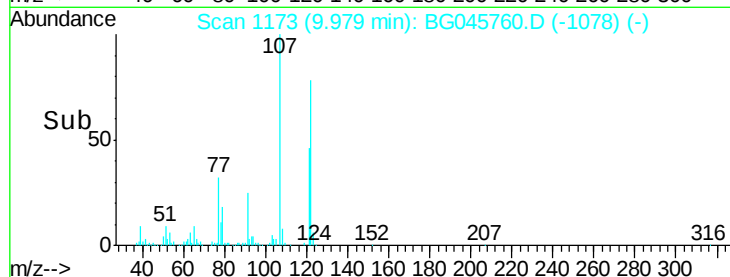
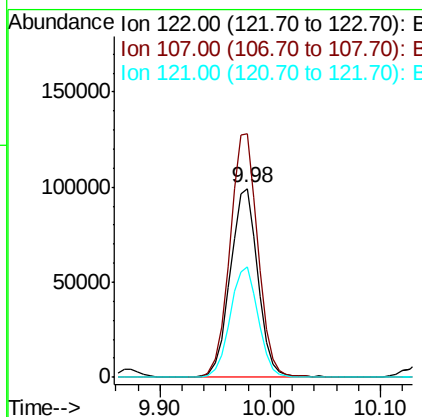
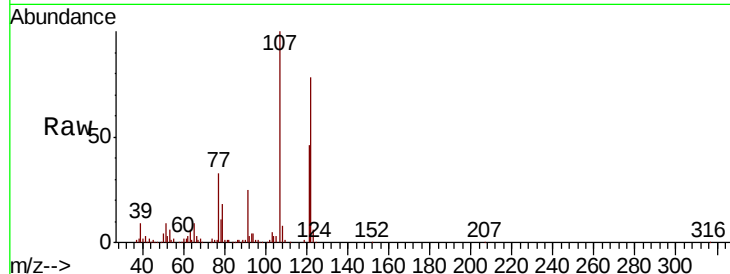
#27
2,4-Dimethylphenol
Concen: 57.860 ng
RT: 9.98 min Scan# 1173
Delta R.T. 0.03 min
Lab File: BG045760.D
Acq: 13 Jun 2020 5:58

Instrument :
BNA_G
ClientSampleId :
15-SPMSD

Tot Ion	Ratio	Resp	Lower	Upper
122	100	175310		
107	128.7	99.0	148.4	
121	58.6	47.7	71.5	

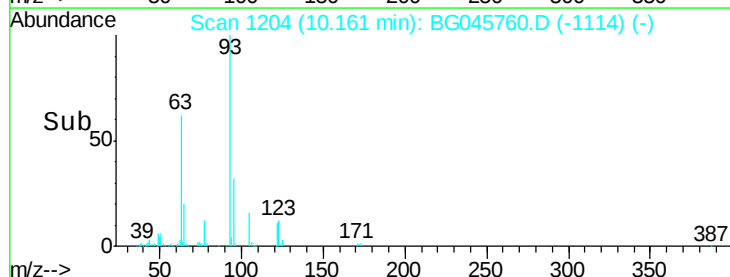
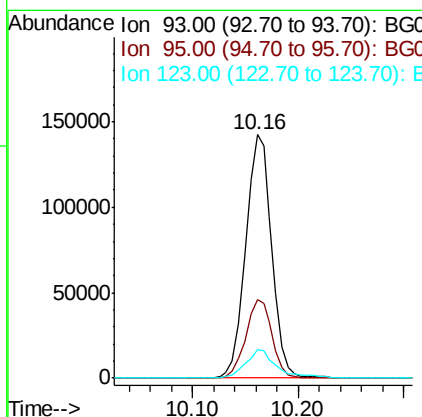
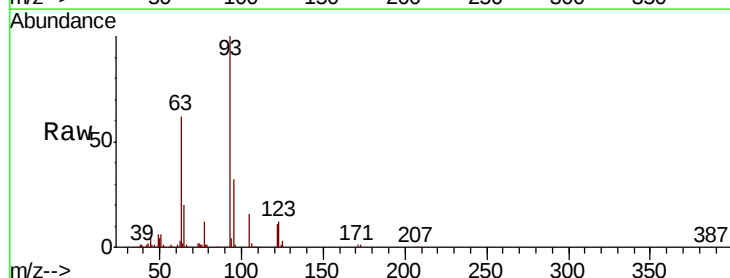
Manual Integrations
APPROVED

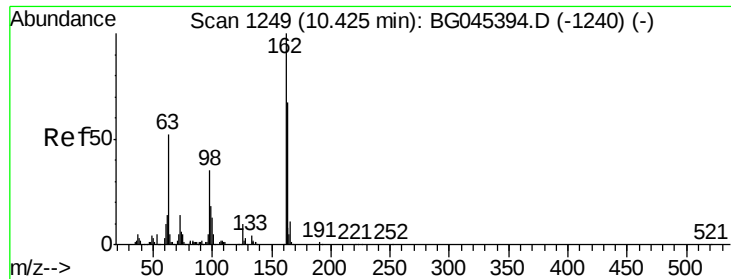
mohammad
6/16/2020 11:05:04 AM



#28
bis(2-Chloroethoxy)methane
Concen: 52.693 ng
RT: 10.16 min Scan# 1204
Delta R.T. 0.00 min
Lab File: BG045760.D
Acq: 13 Jun 2020 5:58

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	242571		
95	32.2	27.6	41.4	
123	11.9	8.1	12.1	





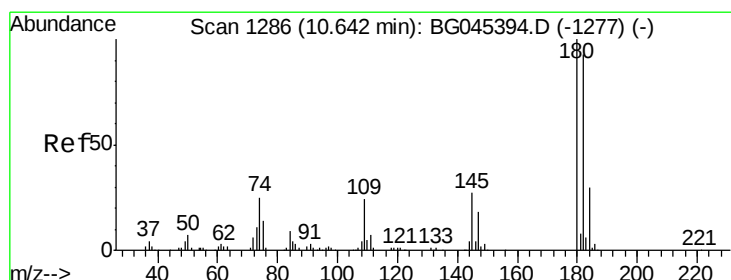
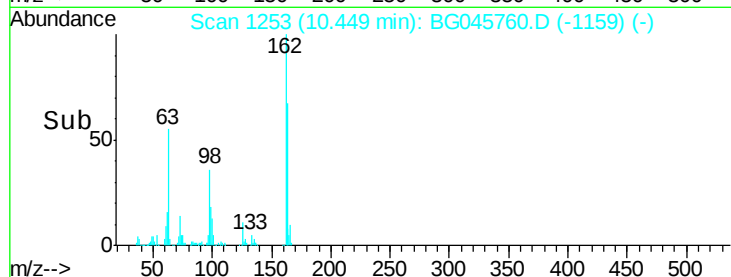
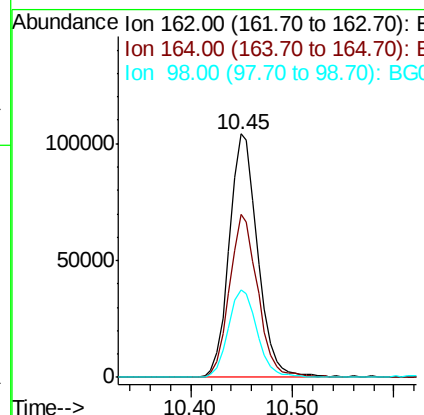
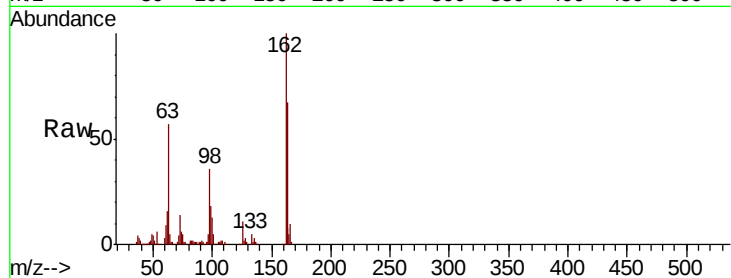
#29
 2,4-Dichlorophenol
 Concen: 56.478 ng
 RT: 10.45 min Scan# 1253
 Delta R.T. 0.02 min
 Lab File: BG045760.D
 Acq: 13 Jun 2020 5:58

Instrument :
 BNA_G
 ClientSampled :
 15-SPMSD

Tot Ion	Ratio	Resp	Lower	Upper
162	100	202076		
164	67.1	46.8	86.8	
98	36.1	15.2	55.2	

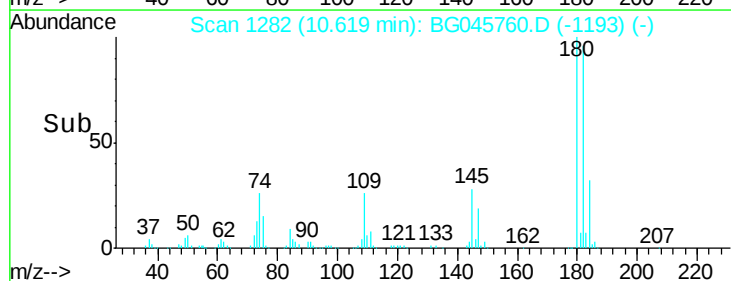
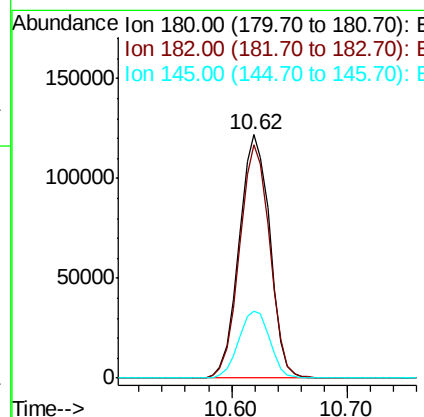
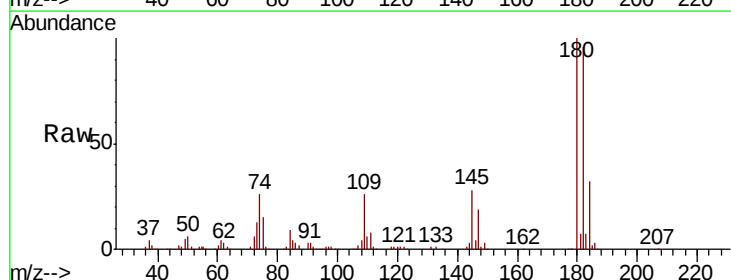
Manual Integrations
 APPROVED

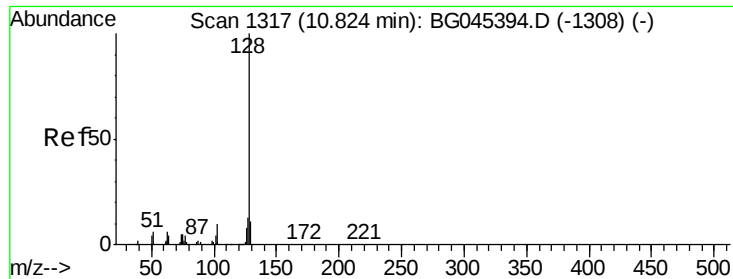
mohammad
 6/16/2020 11:05:04 AM



#30
 1,2,4-Trichlorobenzene
 Concen: 52.791 ng
 RT: 10.62 min Scan# 1282
 Delta R.T. -0.00 min
 Lab File: BG045760.D
 Acq: 13 Jun 2020 5:58

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	223193		
182	95.9	74.8	112.2	
145	27.5	21.9	32.9	





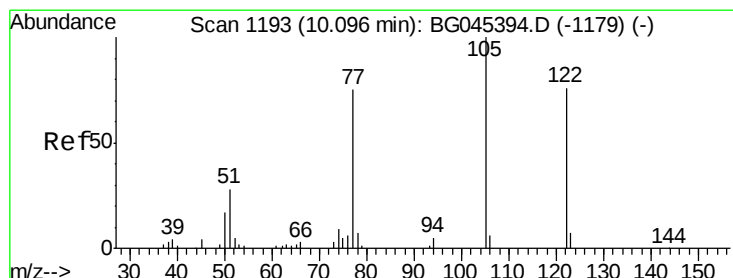
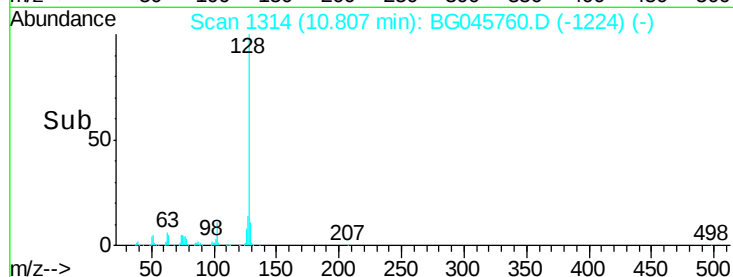
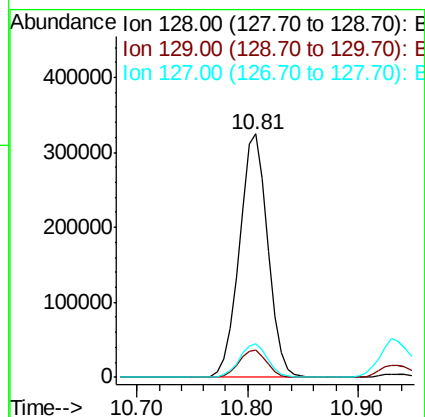
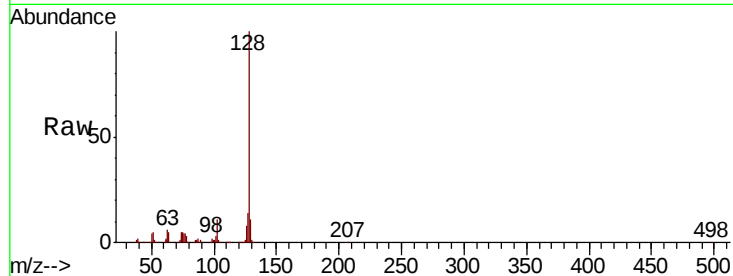
#31
Naphthalene
Concen: 51.701 ng
RT: 10.81 min Scan# 1314
Delta R.T. 0.00 min
Lab File: BG045760.D
Acq: 13 Jun 2020 5:58

Instrument :
BNA_G
ClientSampleId :
15-SPMSD

Tot Ion	Ratio	Resp	Lower	Upper
128	100			
129	11.3	9.0	13.6	
127	14.0	10.7	16.1	

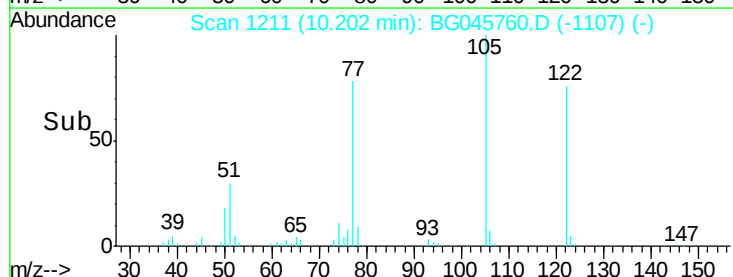
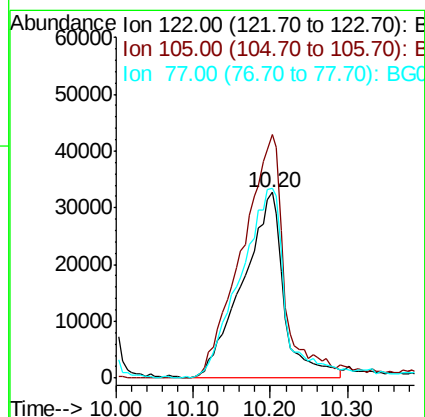
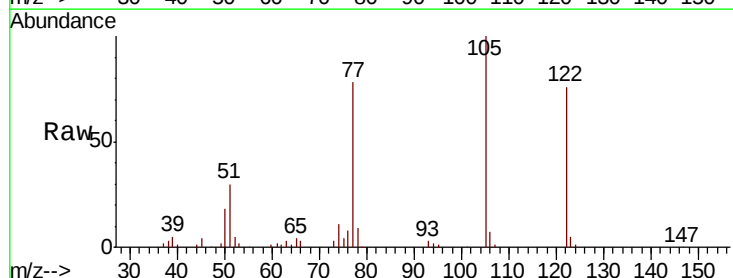
Manual Integrations
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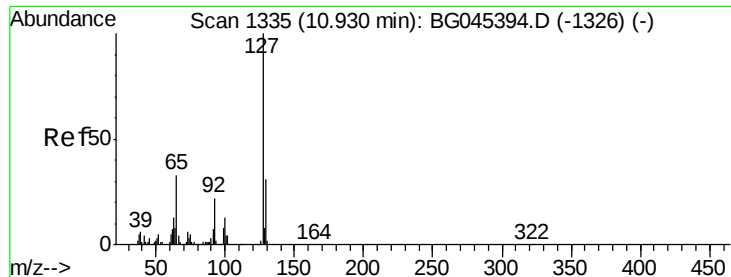
mohammad
6/16/2020 11:05:04 AM



#32
Benzoic acid
Concen: 56.443 ng
RT: 10.20 min Scan# 1211
Delta R.T. 0.08 min
Lab File: BG045760.D
Acq: 13 Jun 2020 5:58

Tgt Ion	Ratio	Resp	Lower	Upper
122	100			
105	130.9	107.9	147.9	
77	102.4	78.9	118.9	





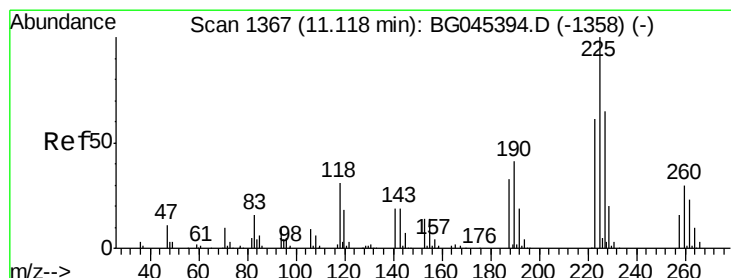
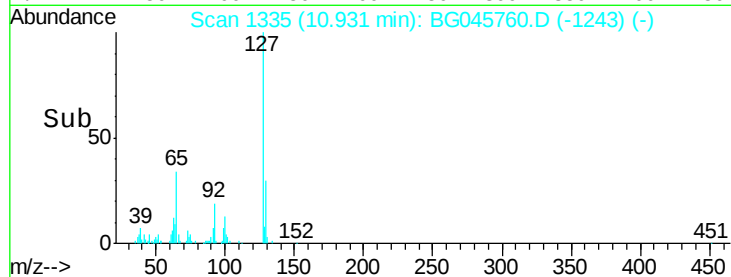
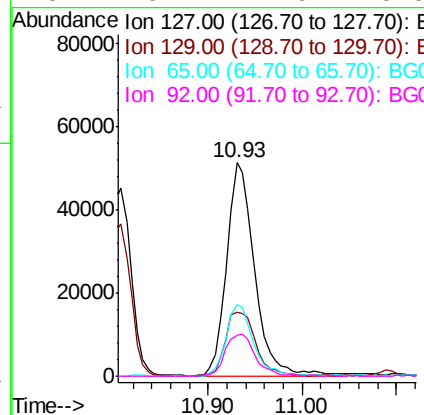
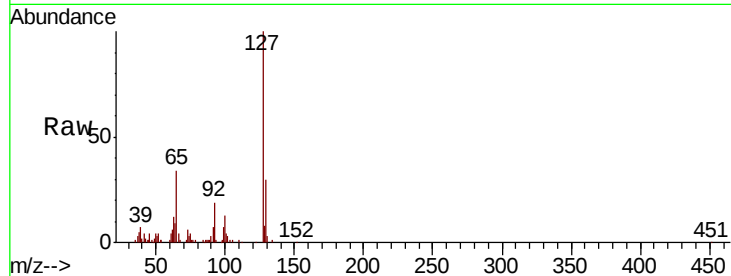
#33
4-Chloroaniline
Concen: 22.552 ng
RT: 10.93 min Scan# 1335
Delta R.T. 0.01 min
Lab File: BG045760.D
Acq: 13 Jun 2020 5:58

Instrument :
BNA_G
ClientSampleId :
15-SPMSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100				
129	30.3	24.7	37.1		
65	33.9	26.2	39.2		
92	19.4	17.9	26.9		

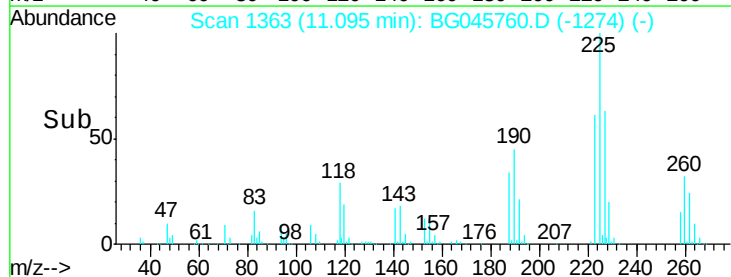
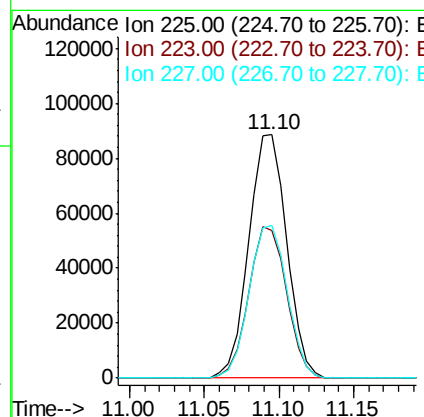
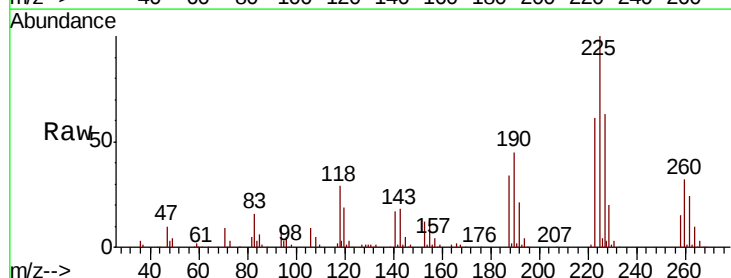
Manual Integrations
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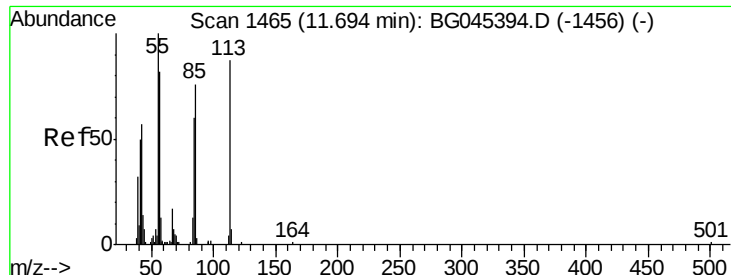
mohammad
6/16/2020 11:05:04 AM



#34
Hexachlorobutadiene
Concen: 51.981 ng
RT: 11.10 min Scan# 1363
Delta R.T. -0.00 min
Lab File: BG045760.D
Acq: 13 Jun 2020 5:58

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100				
223	60.6	49.1	73.7		
227	62.9	52.0	78.0		





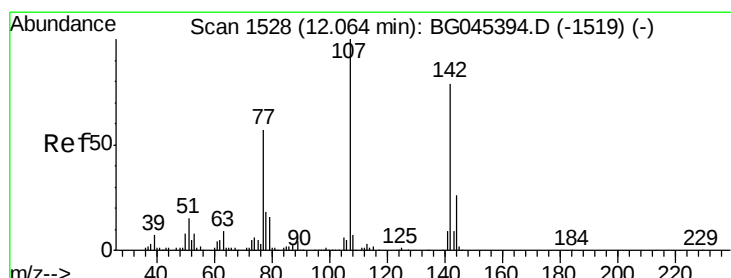
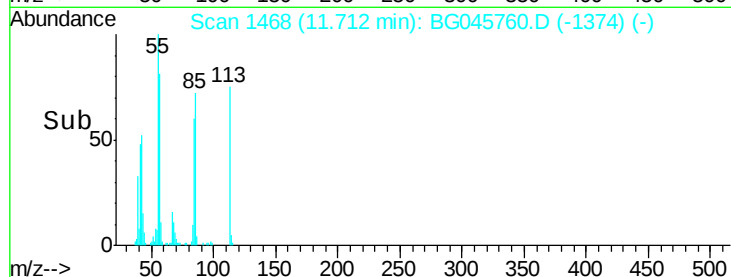
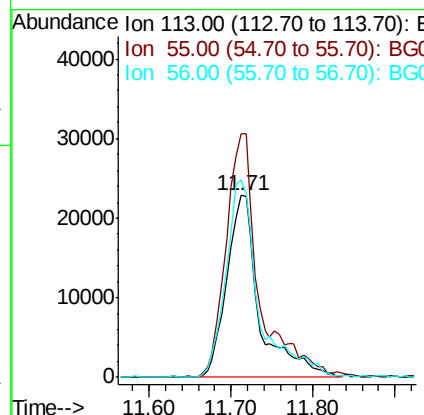
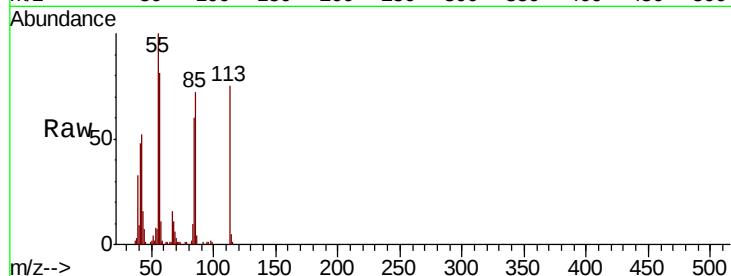
#35
 Caprolactam
 Concen: 48.601 ng
 RT: 11.71 min Scan# 1468
 Delta R.T. 0.02 min
 Lab File: BG045760.D
 Acq: 13 Jun 2020 5:58

Instrument :
 BNA_G
 ClientSampleId :
 15-SPMSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
113	100		63827		
55	133.9	96.0	136.0		
56	108.5	75.1	115.1		

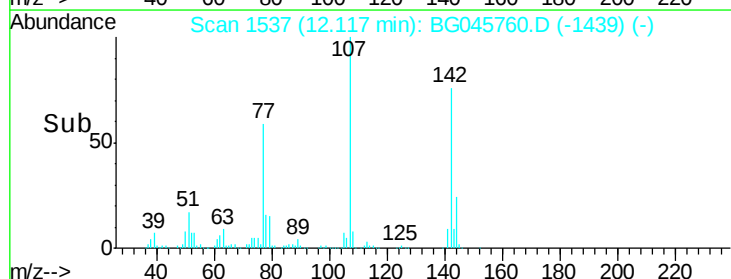
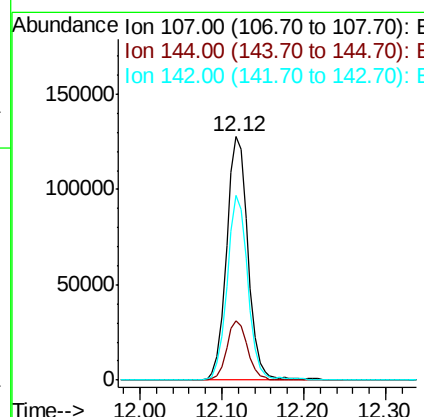
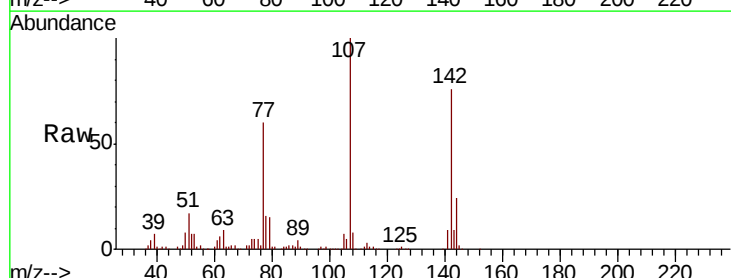
Manual Integrations
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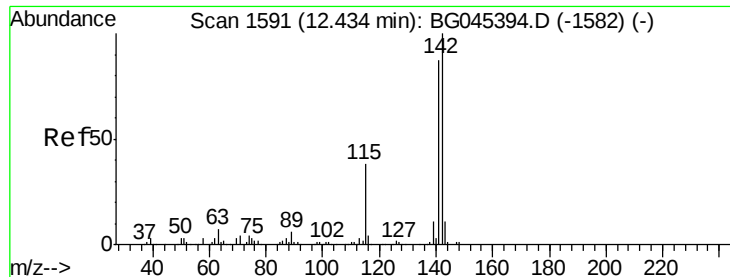
mohammad
 6/16/2020 11:05:04 AM



#36
 4-Chloro-3-methylphenol
 Concen: 57.787 ng
 RT: 12.12 min Scan# 1537
 Delta R.T. 0.05 min
 Lab File: BG045760.D
 Acq: 13 Jun 2020 5:58

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100		232983		
144	24.2	20.8	31.2		
142	75.6	62.8	94.2		





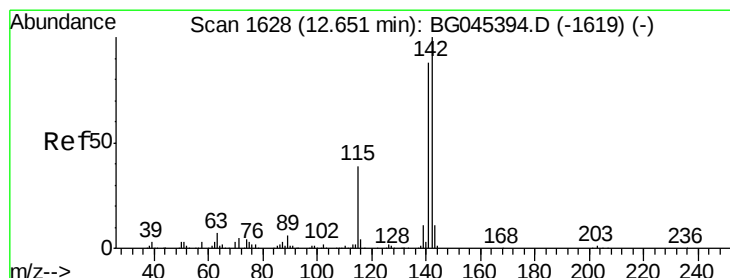
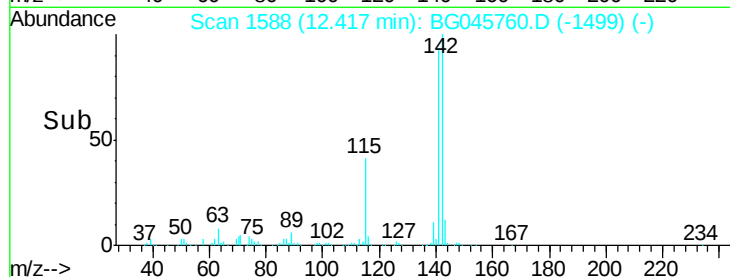
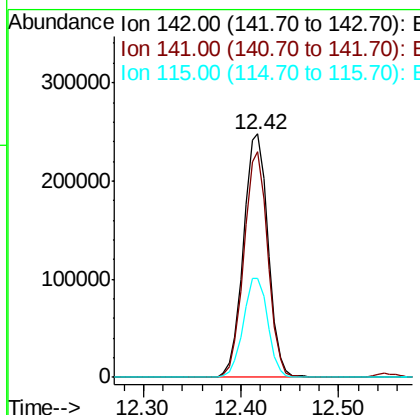
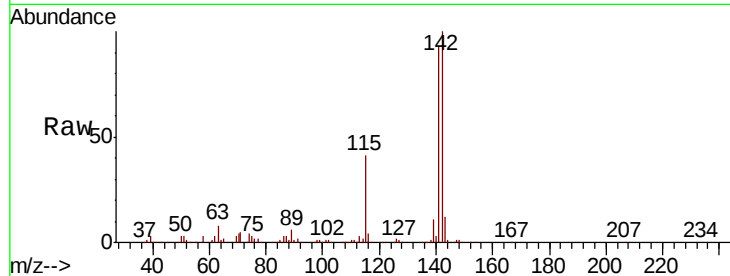
#37
2-Methylnaphthalene
Concen: 51.902 ng
RT: 12.42 min Scan# 1588
Delta R.T. -0.00 min
Lab File: BG045760.D
Acq: 13 Jun 2020 5:58

Instrument :
BNA_G
ClientSampleId :
15-SPMSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	92.5	70.0	105.0
115	40.7	30.8	46.2

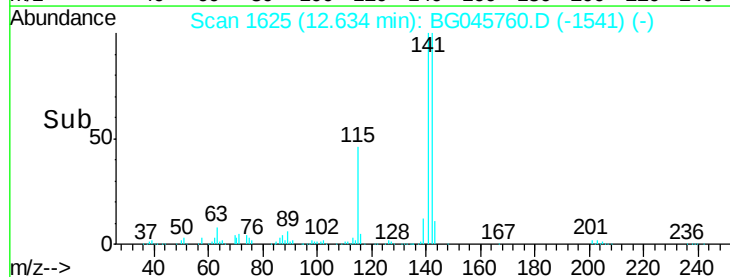
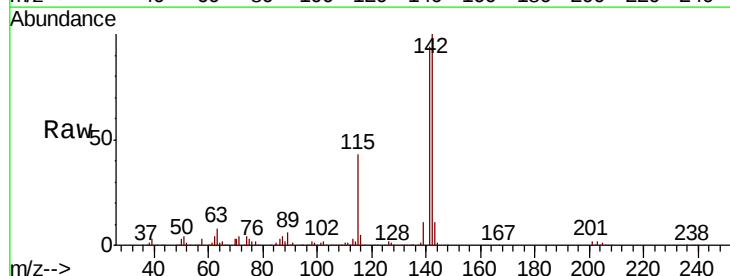
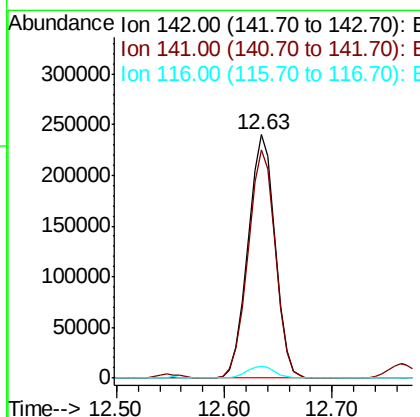
Manual Integrations
APPROVED

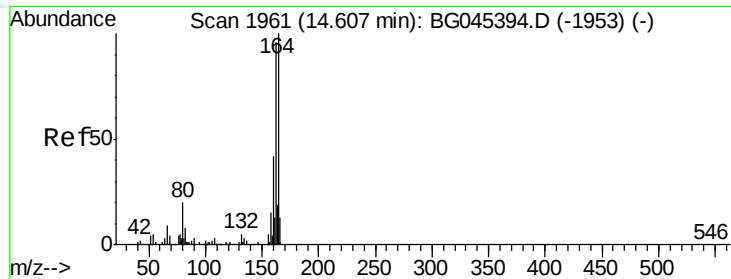
mohammad
6/16/2020 11:05:04 AM



#38
1-Methylnaphthalene
Concen: 51.778 ng m
RT: 12.63 min Scan# 1625
Delta R.T. -0.00 min
Lab File: BG045760.D
Acq: 13 Jun 2020 5:58

Tgt Ion	Ratio	Lower	Upper
142	100		
141	93.7	70.8	106.2
116	4.8	3.0	4.6#





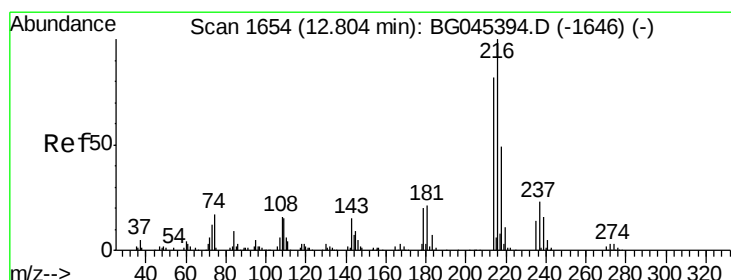
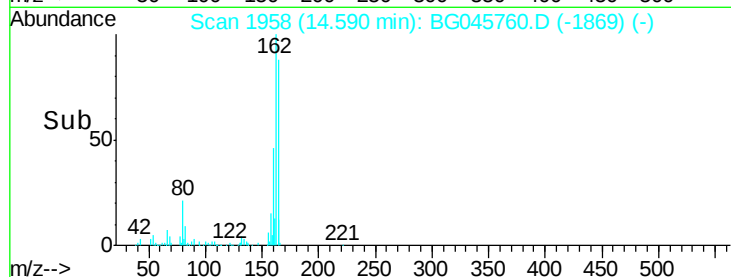
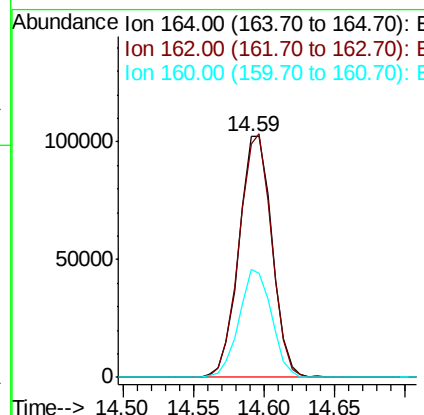
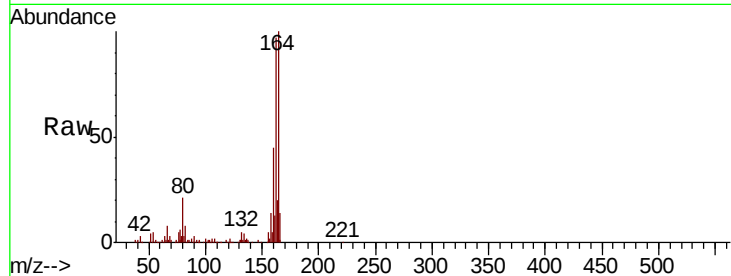
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.59 min Scan# 1958
Delta R.T. -0.00 min
Lab File: BG045760.D
Acq: 13 Jun 2020 5:58

Instrument :
BNA_G
ClientSampleId :
15-SPMSD

Tot Ion	Ratio	Lower	Upper
164	100		
162	96.7	76.9	115.3
160	44.6	33.8	50.8

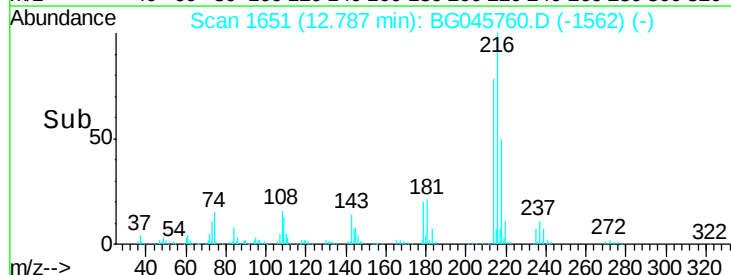
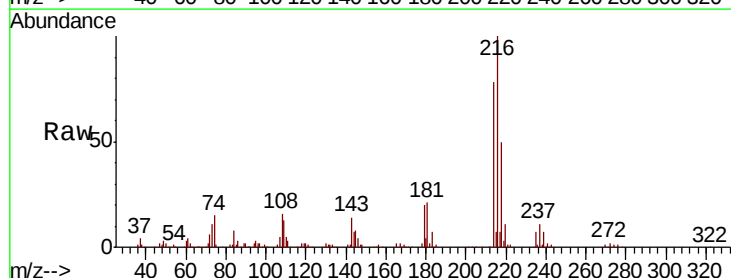
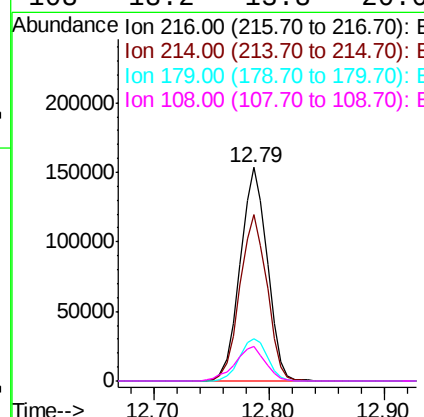
Manual Integrations
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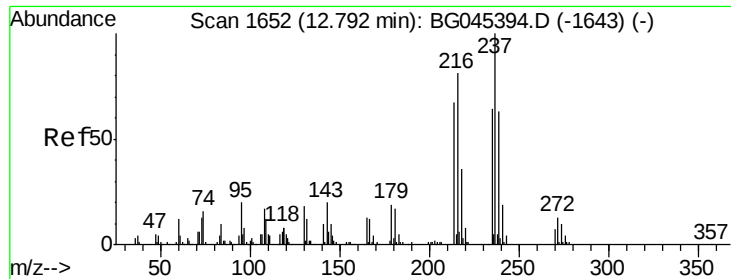
mohammad
6/16/2020 11:05:04 AM



#40
1,2,4,5-Tetrachlorobenzene
Concen: 53.079 ng
RT: 12.79 min Scan# 1651
Delta R.T. -0.00 min
Lab File: BG045760.D
Acq: 13 Jun 2020 5:58

Tgt Ion	Ratio	Lower	Upper
216	100		
214	78.0	63.7	95.5
179	20.6	16.1	24.1
108	18.2	13.8	20.6





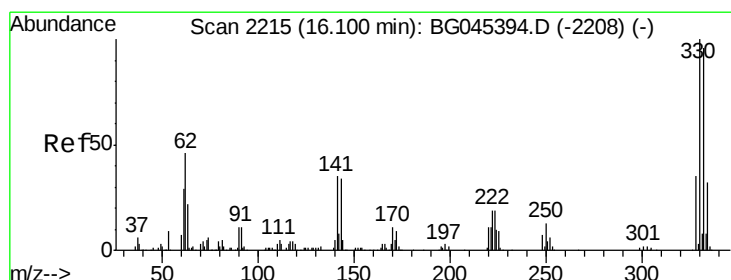
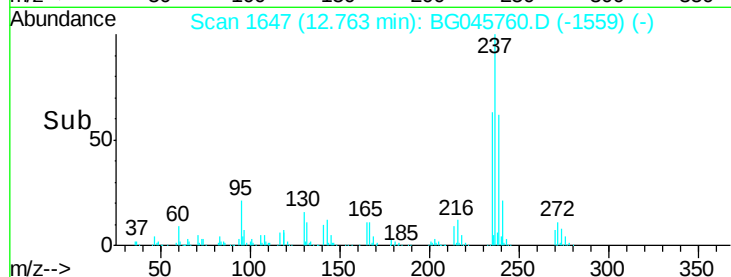
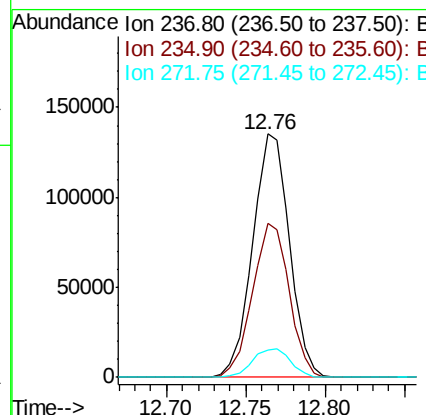
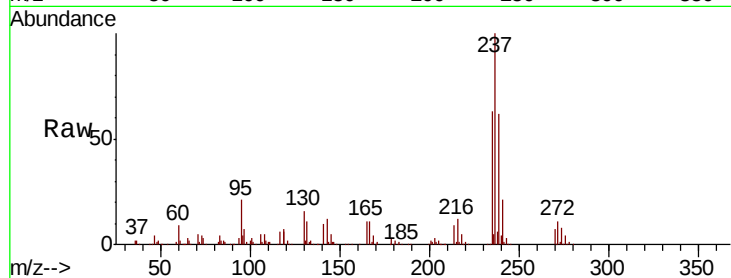
#41
Hexachlorocyclopentadiene
Concen: 80.544 ng
RT: 12.76 min Scan# 1647
Delta R.T. -0.01 min
Lab File: BG045760.D
Acq: 13 Jun 2020 5:58

Instrument :
BNA_G
ClientSampleId :
15-SPMSD

Tot Ion	Ratio	Resp Lower	Upper
237	100		
235	63.3	44.4	84.4
272	11.2	0.0	32.5

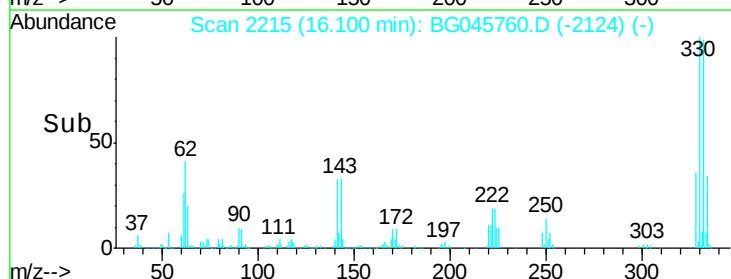
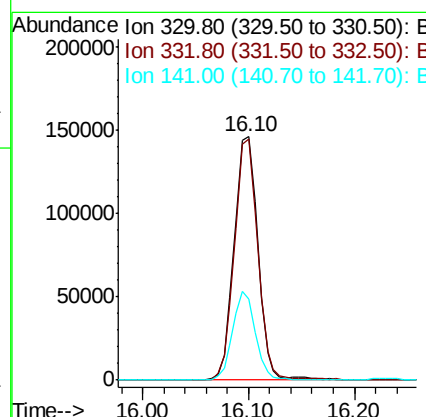
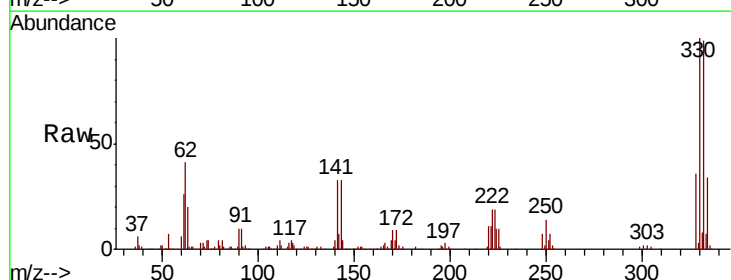
Manual Integrations
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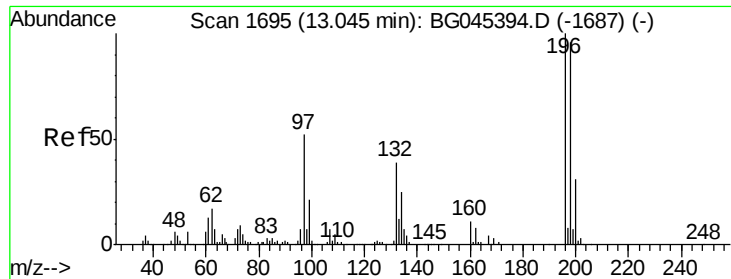
mohammad
6/16/2020 11:05:04 AM



#42
2,4,6-Tribromophenol
Concen: 105.774 ng
RT: 16.10 min Scan# 2215
Delta R.T. 0.01 min
Lab File: BG045760.D
Acq: 13 Jun 2020 5:58

Tgt Ion	Ratio	Resp Lower	Upper
330	100		
332	96.9	78.2	117.4
141	34.9	28.2	42.4





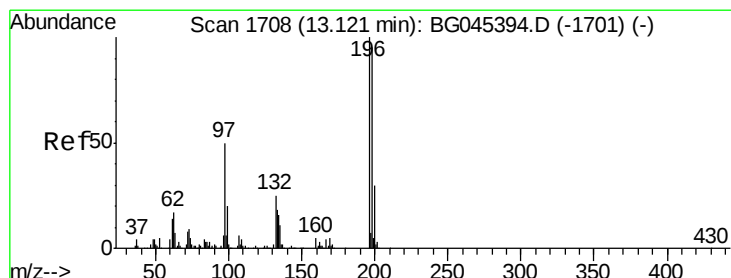
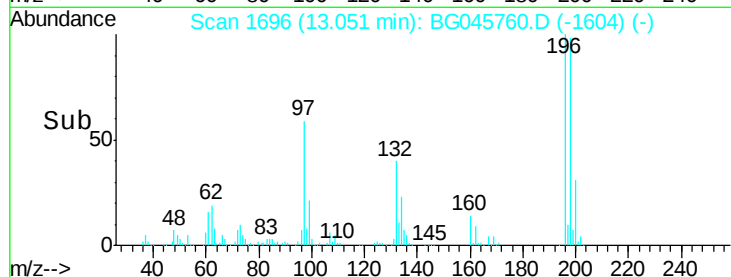
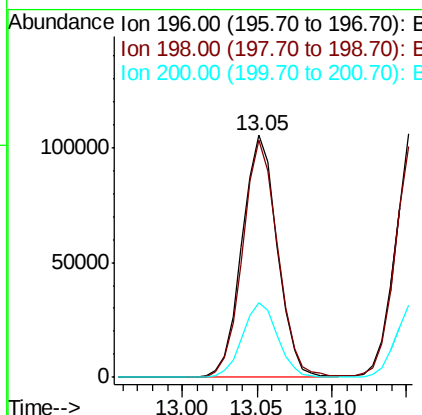
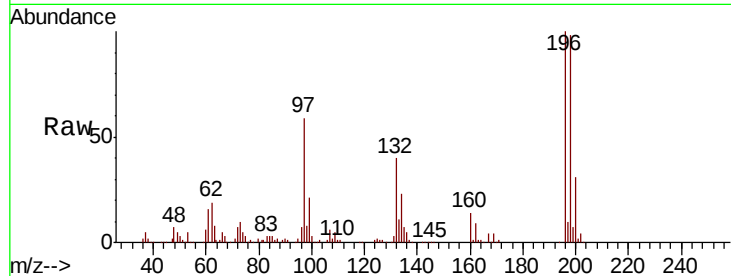
#43
 2,4,6-Trichlorophenol
 Concen: 52.922 ng
 RT: 13.05 min Scan# 1696
 Delta R.T. 0.01 min
 Lab File: BG045760.D
 Acq: 13 Jun 2020 5:58

Instrument :
 BNA_G
 ClientSampled :
 15-SPMSD

Tot Ion:	196	Resp:	172145
Ion Ratio	Lower	Upper	
196	100		
198	98.0	76.7	115.1
200	31.1	24.9	37.3

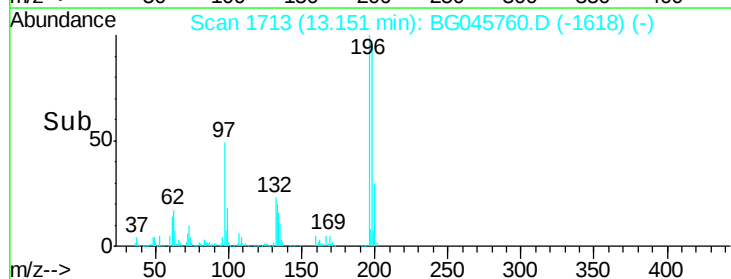
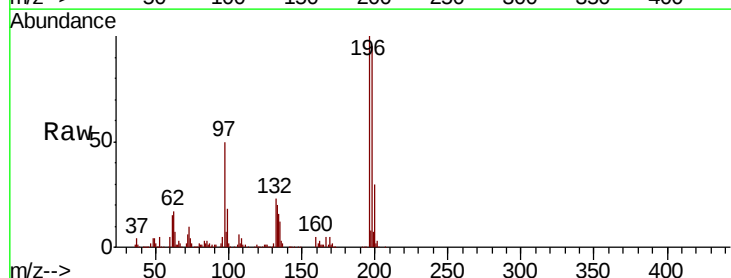
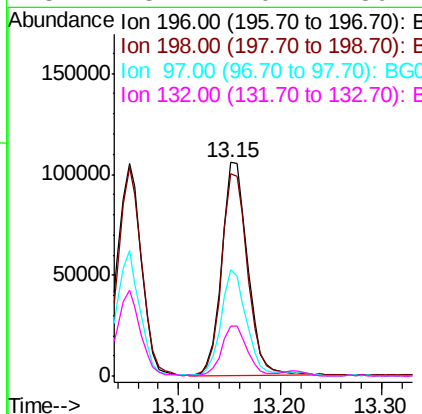
Manual Integrations
 APPROVED

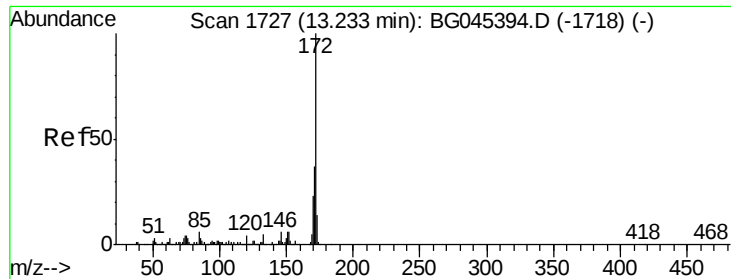
mohammad
 6/16/2020 11:05:04 AM



#44
 2,4,5-Trichlorophenol
 Concen: 50.697 ng
 RT: 13.15 min Scan# 1713
 Delta R.T. 0.03 min
 Lab File: BG045760.D
 Acq: 13 Jun 2020 5:58

Tgt Ion:	196	Resp:	188448
Ion Ratio	Lower	Upper	
196	100		
198	94.9	76.1	114.1
97	49.8	40.0	60.0
132	23.1	20.2	30.2





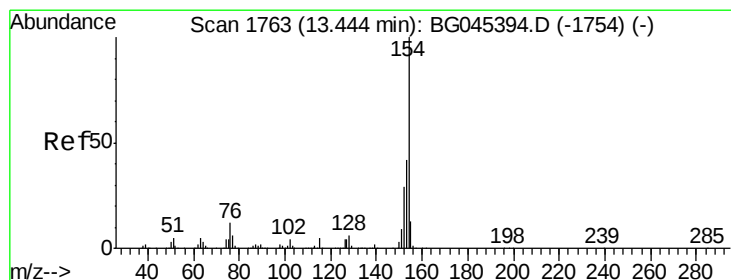
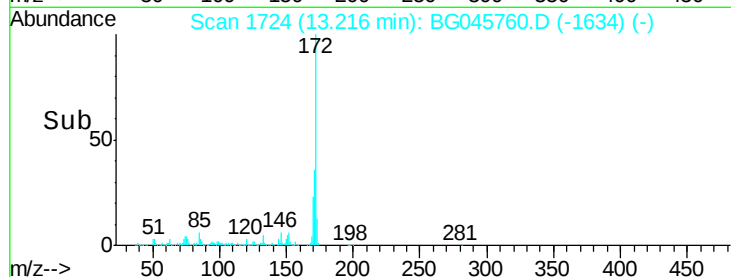
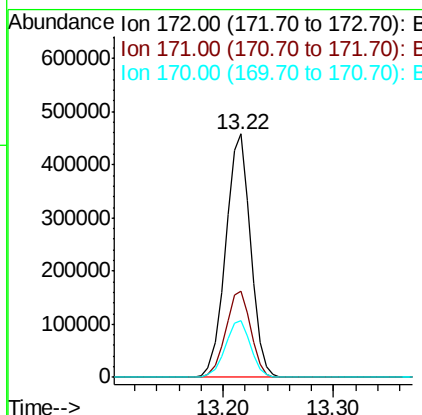
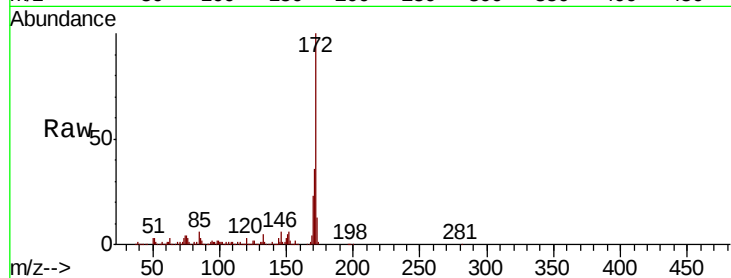
#45
2-Fluorobiphenyl
Concen: 72.995 ng
RT: 13.22 min Scan# 1724
Delta R.T. 0.00 min
Lab File: BG045760.D
Acq: 13 Jun 2020 5:58

Instrument :
BNA_G
ClientSampleId :
15-SPMSD

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.5	29.5	44.3
170	23.2	18.5	27.7

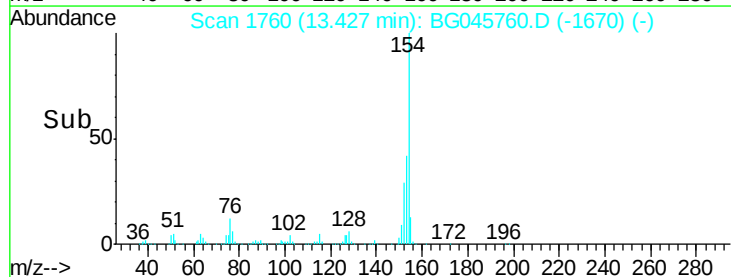
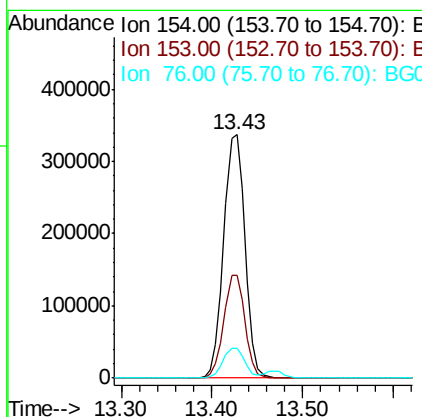
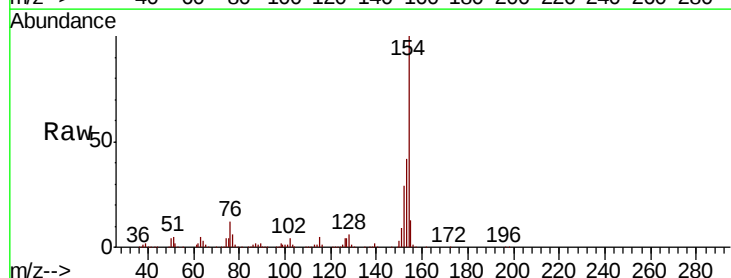
Manual Integrations
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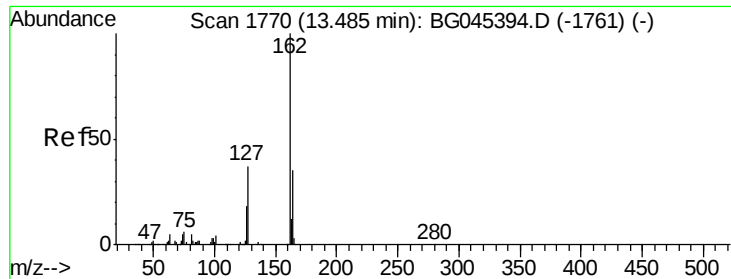
mohammad
6/16/2020 11:05:04 AM



#46
1,1'-Biphenyl
Concen: 53.497 ng
RT: 13.43 min Scan# 1760
Delta R.T. 0.00 min
Lab File: BG045760.D
Acq: 13 Jun 2020 5:58

Tgt Ion	Ratio	Lower	Upper
154	100		
153	42.2	22.2	62.2
76	12.1	0.0	32.4





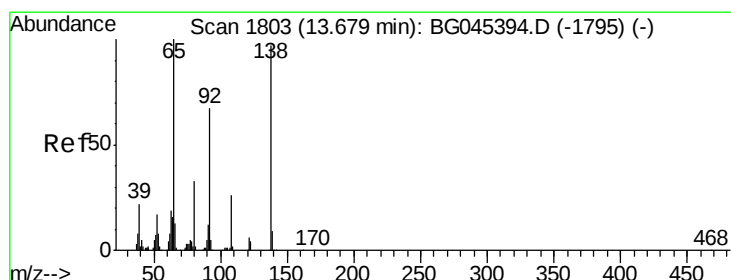
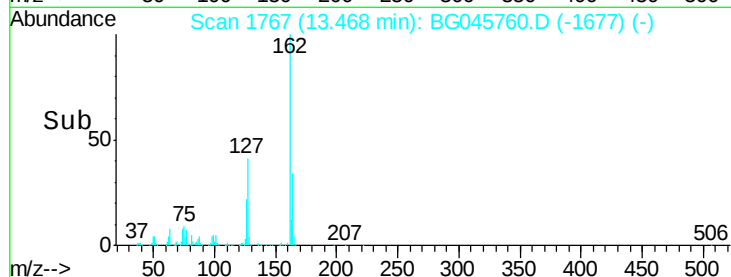
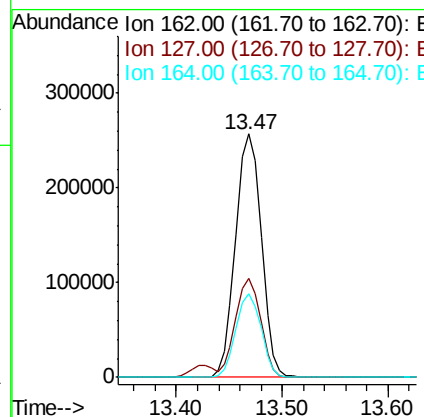
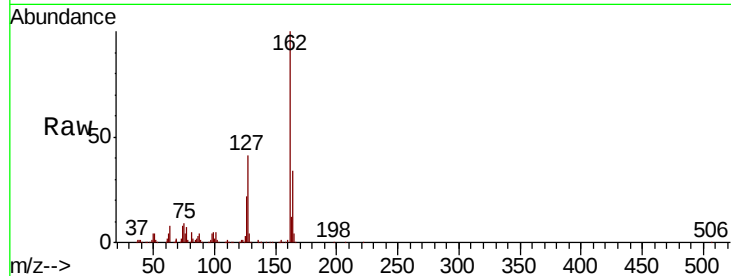
#47
2-Chloronaphthalene
Concen: 51.903 ng
RT: 13.47 min Scan# 1767
Delta R.T. 0.00 min
Lab File: BG045760.D
Acq: 13 Jun 2020 5:58

Instrument :
BNA_G
ClientSampleId :
15-SPMSD

Tot Ion	Ratio	Lower	Upper
162	100		
127	40.8	31.6	47.4
164	34.4	28.1	42.1

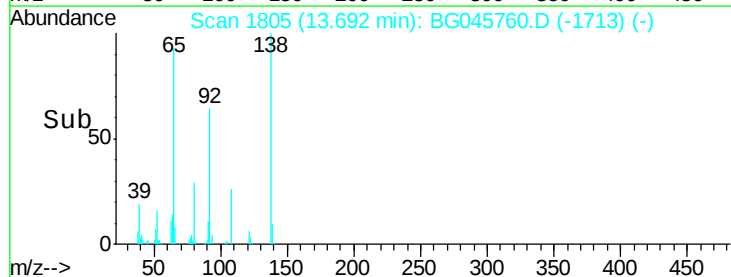
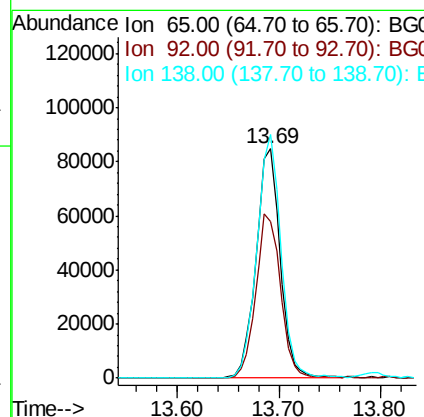
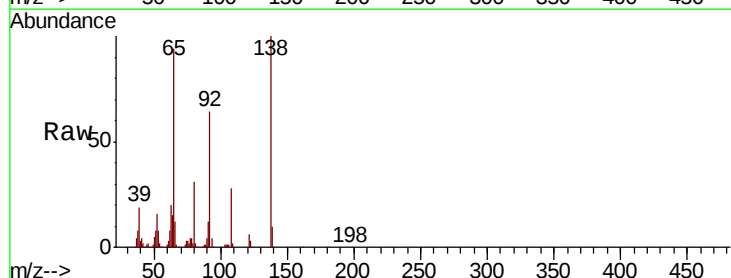
Manual Integrations
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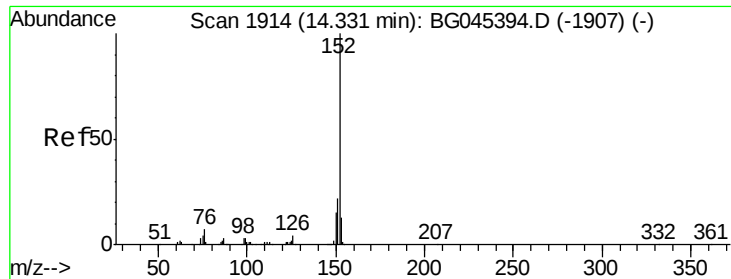
mohammad
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#48
2-Nitroaniline
Concen: 51.206 ng
RT: 13.69 min Scan# 1805
Delta R.T. 0.01 min
Lab File: BG045760.D
Acq: 13 Jun 2020 5:58

Tgt Ion	Ratio	Lower	Upper
65	100		
92	68.1	53.8	80.8
138	106.2	77.9	116.9





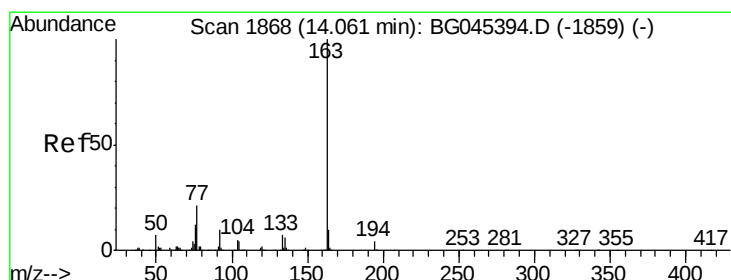
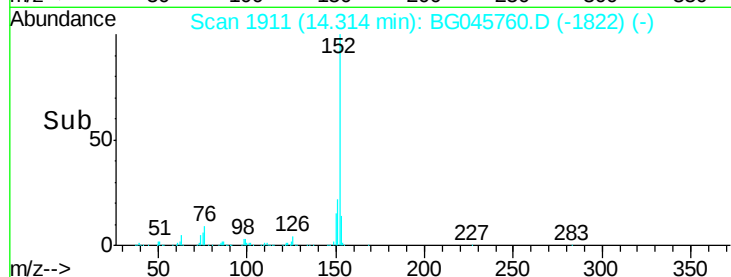
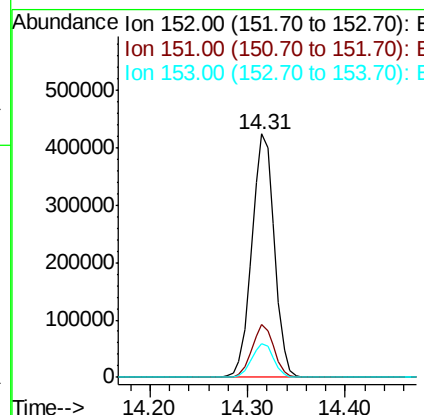
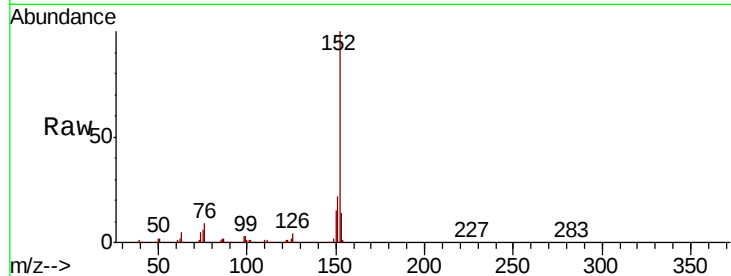
#49
Acenaphthylene
Concen: 51.116 ng
RT: 14.31 min Scan# 1911
Delta R.T. -0.00 min
Lab File: BG045760.D
Acq: 13 Jun 2020 5:58

Instrument :
BNA_G
ClientSampleId :
15-SPMSD

Tot Ion	Ratio	Lower	Upper
152	100		
151	21.7	17.4	26.2
153	13.9	10.7	16.1

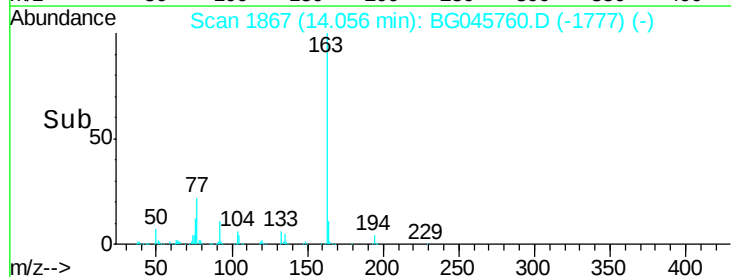
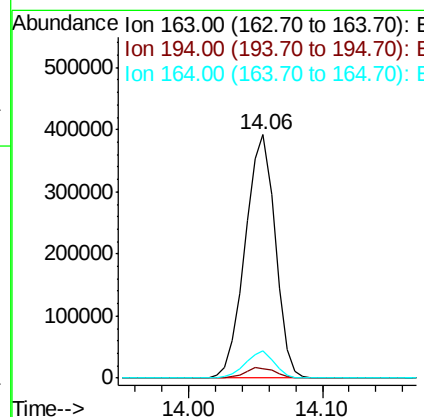
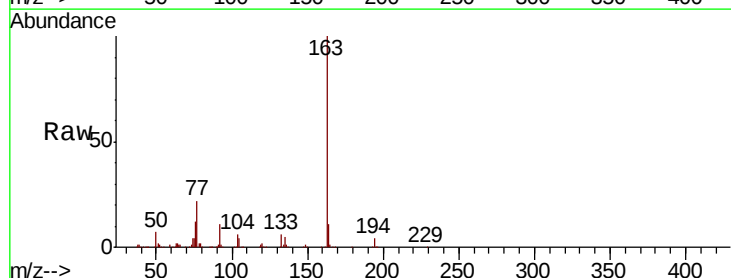
Manual Integrations
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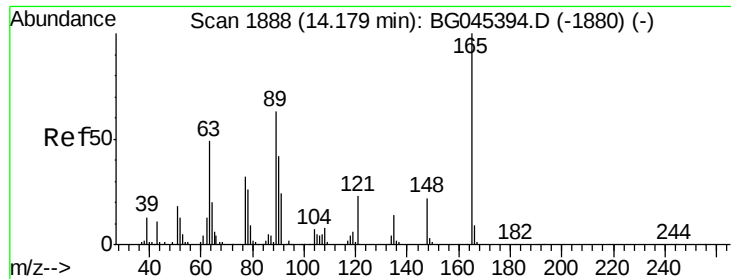
mohammad
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#50
Dimethylphthalate
Concen: 52.781 ng
RT: 14.06 min Scan# 1867
Delta R.T. 0.00 min
Lab File: BG045760.D
Acq: 13 Jun 2020 5:58

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.2	4.8
164	11.1	8.3	12.5





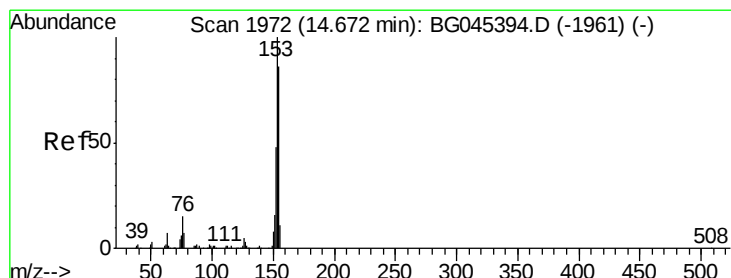
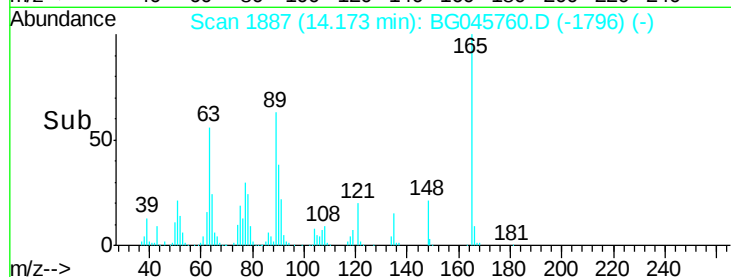
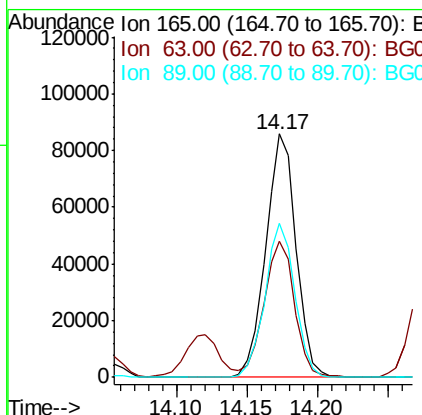
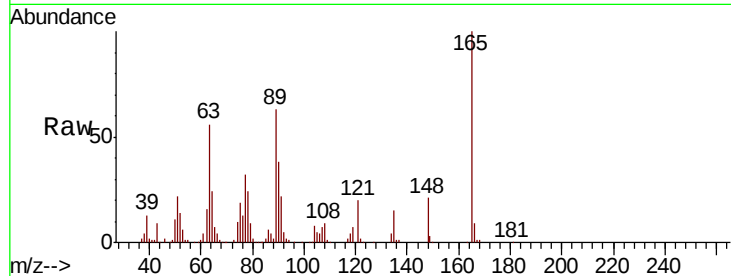
#51
2,6-Dinitrotoluene
Concen: 49.641 ng
RT: 14.17 min Scan# 1887
Delta R.T. 0.01 min
Lab File: BG045760.D
Acq: 13 Jun 2020 5:58

Instrument :
BNA_G
ClientSampleId :
15-SPMSD

Tot Ion	Ratio	Resp	Lower	Upper
165	100	128822		
63	55.7	45.0	67.4	
89	63.0	50.2	75.4	

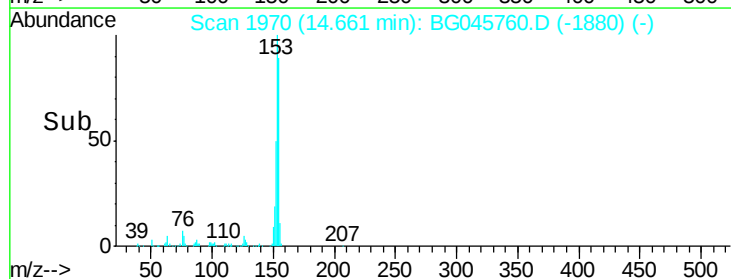
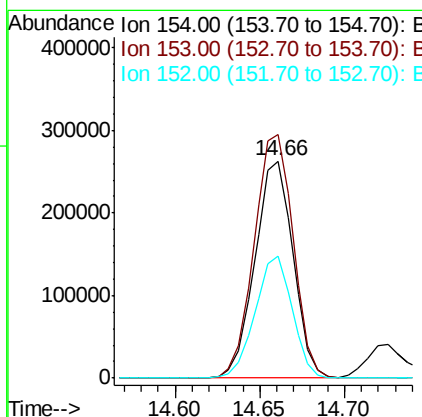
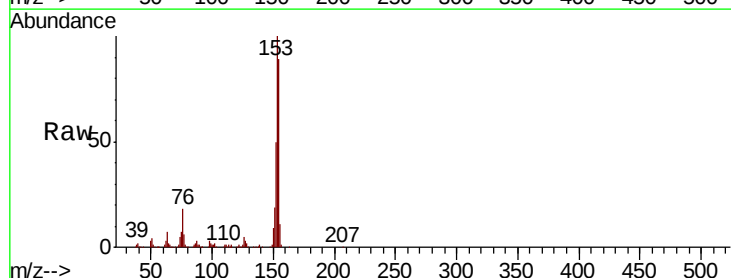
Manual Integrations
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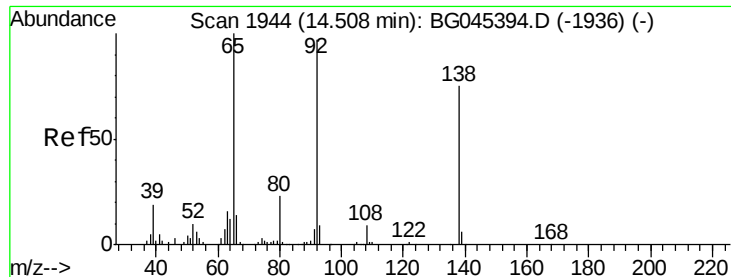
mohammad
6/16/2020 11:05:04 AM



#52
Acenaphthene
Concen: 46.030 ng
RT: 14.66 min Scan# 1970
Delta R.T. 0.00 min
Lab File: BG045760.D
Acq: 13 Jun 2020 5:58

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	413991		
153	112.1	92.8	139.2	
152	55.9	44.6	66.8	





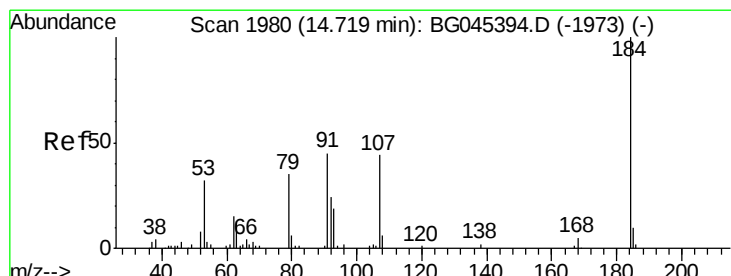
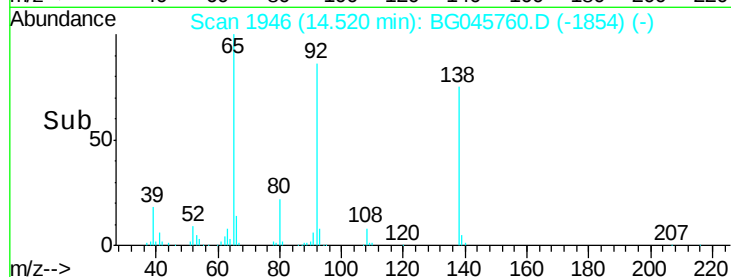
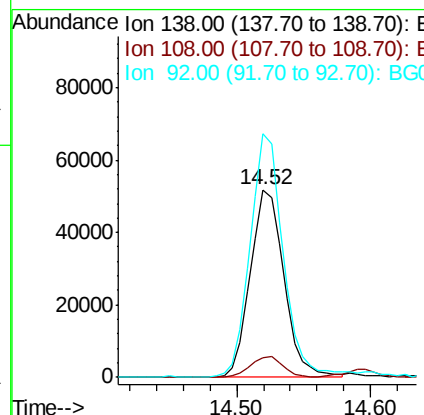
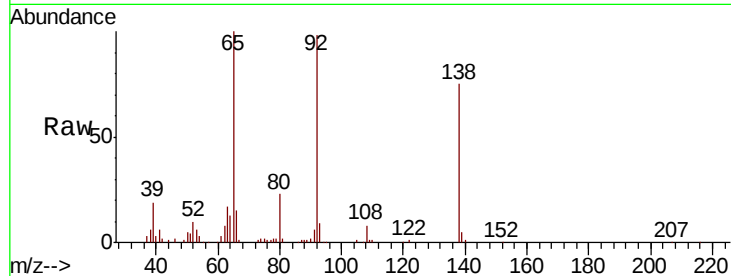
#53
3-Nitroaniline
Concen: 34.141 ng
RT: 14.52 min Scan# 1946
Delta R.T. 0.01 min
Lab File: BG045760.D
Acq: 13 Jun 2020 5:58

Instrument :
BNA_G
ClientSampleId :
15-SPMSD

Tot Ion	Ratio	Lower	Upper
138	100		
108	10.7	9.8	14.6
92	129.8	103.0	154.4

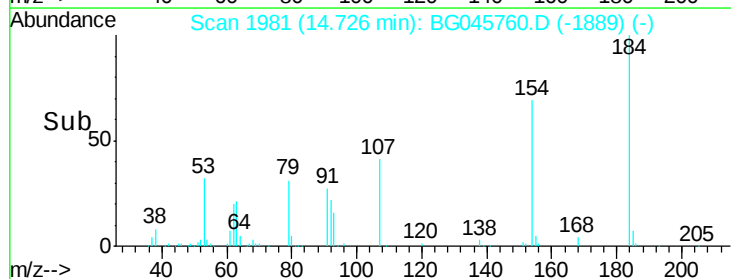
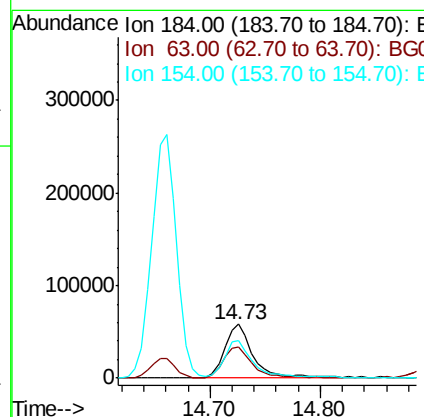
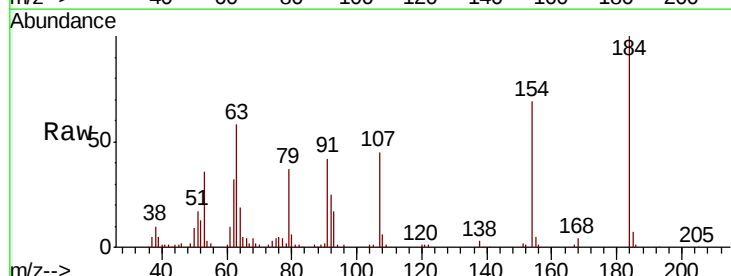
Manual Integrations
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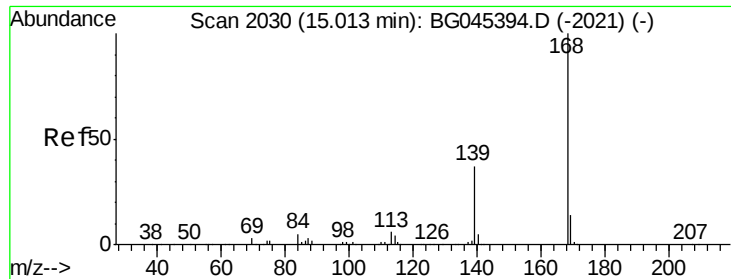
mohammad
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#54
2,4-Dinitrophenol
Concen: 62.993 ng
RT: 14.73 min Scan# 1981
Delta R.T. 0.01 min
Lab File: BG045760.D
Acq: 13 Jun 2020 5:58

Tgt Ion	Ratio	Lower	Upper
184	100		
63	58.4	47.8	71.6
154	68.8	58.3	87.5





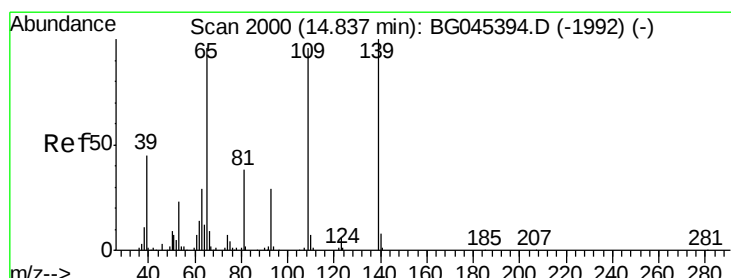
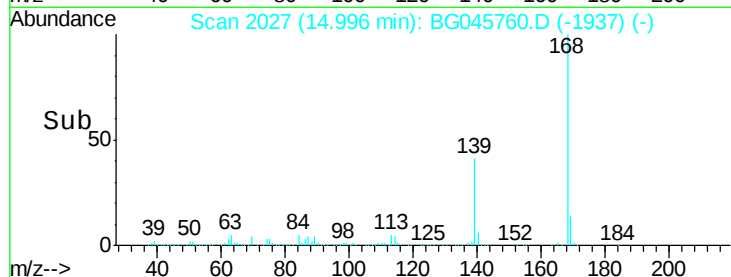
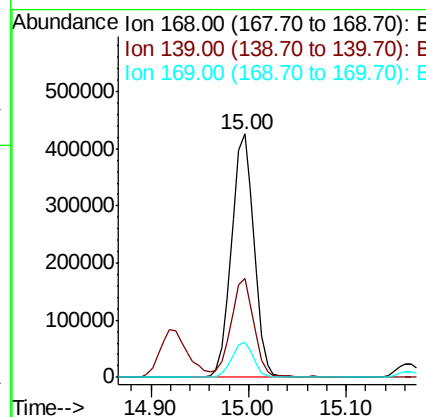
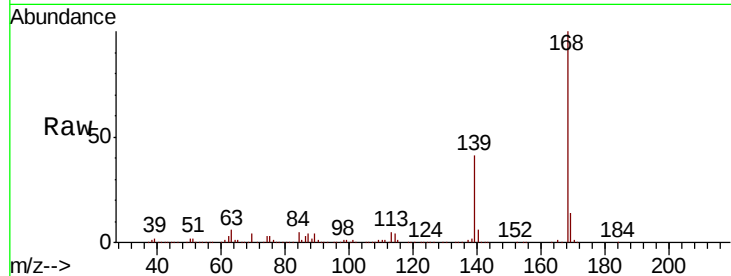
#55
Dibenzofuran
Concen: 50.889 ng
RT: 15.00 min Scan# 2027
Delta R.T. 0.00 min
Lab File: BG045760.D
Acq: 13 Jun 2020 5:58

Instrument :
BNA_G
ClientSampled :
15-SPMSD

Tot Ion	Ratio	Lower	Upper
168	100		
139	40.7	29.9	44.9
169	14.1	10.9	16.3

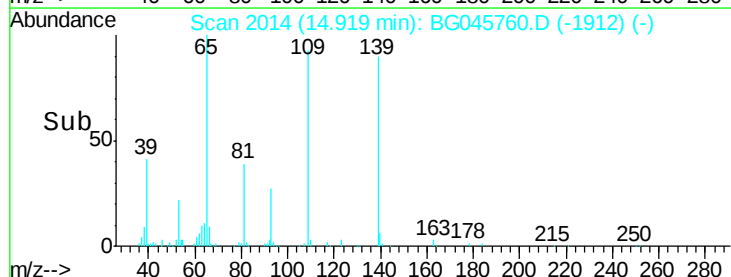
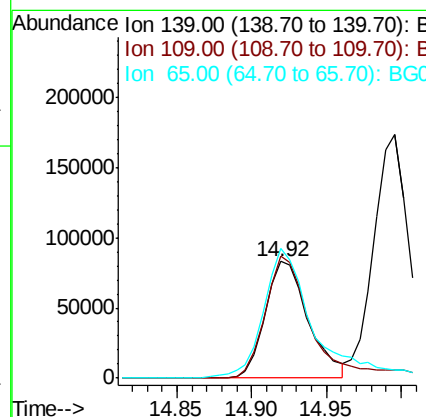
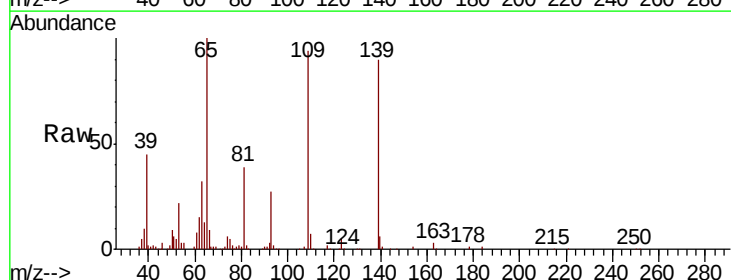
Manual Integrations
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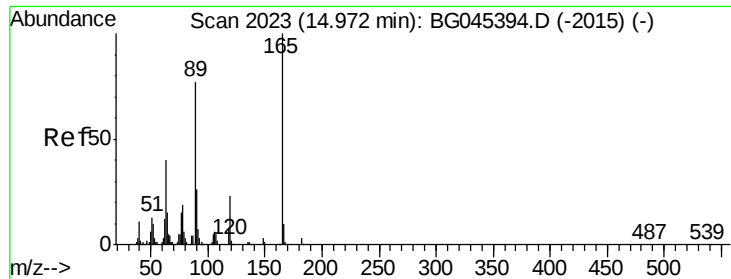
mohammad
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#56
4-Nitrophenol
Concen: 82.975 ng
RT: 14.92 min Scan# 2014
Delta R.T. 0.07 min
Lab File: BG045760.D
Acq: 13 Jun 2020 5:58

Tgt Ion	Ratio	Lower	Upper
139	100		
109	104.8	75.6	115.6
65	111.3	76.8	116.8





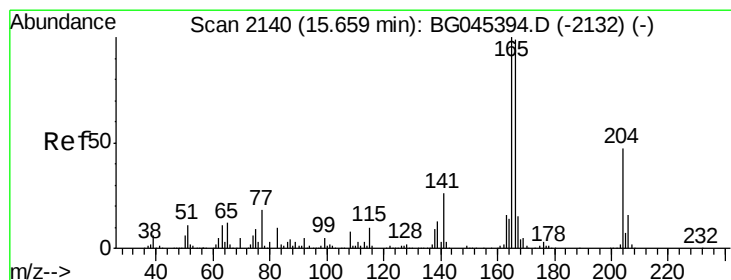
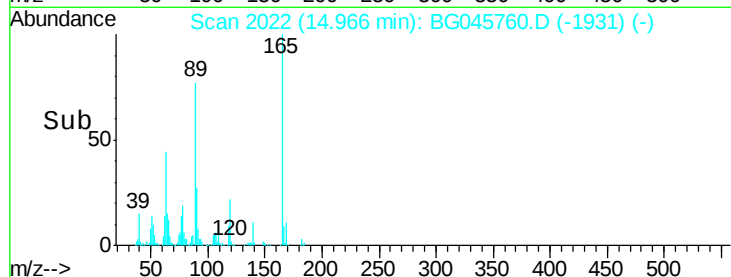
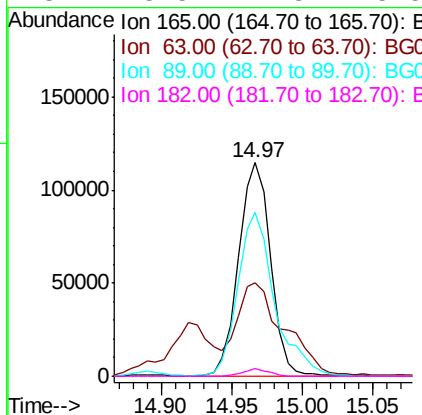
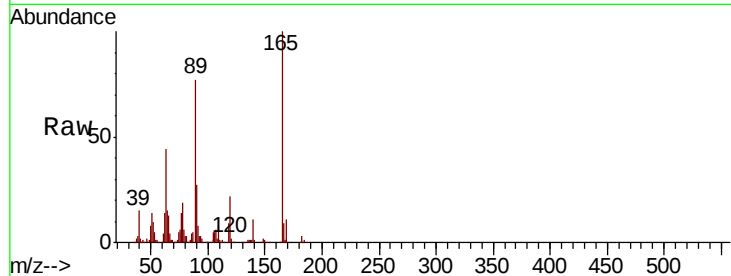
#57
2,4-Dinitrotoluene
Concen: 48.281 ng
RT: 14.97 min Scan# 2022
Delta R.T. 0.01 min
Lab File: BG045760.D
Acq: 13 Jun 2020 5:58

Instrument :
BNA_G
ClientSampleId :
15-SPMSD

Tot Ion:	165	Resp:	181455
Ion Ratio	Lower	Upper	
165	100		
63	43.6	32.5	48.7
89	76.5	61.8	92.6
182	3.5	2.3	3.5

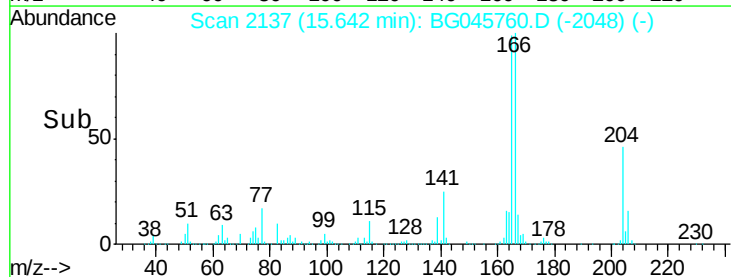
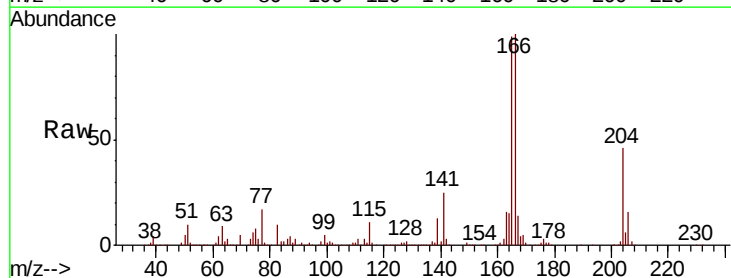
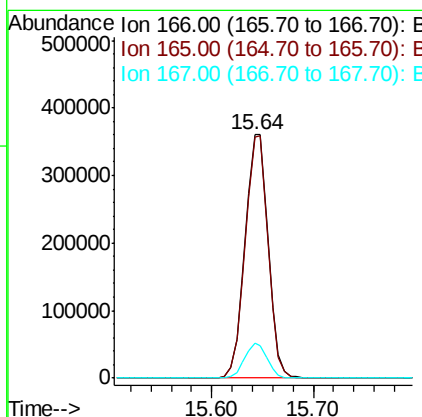
Manual Integrations
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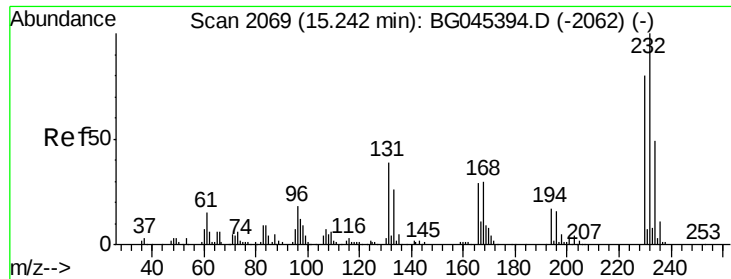
mohammad
6/16/2020 11:05:04 AM



#58
Fluorene
Concen: 51.970 ng
RT: 15.64 min Scan# 2137
Delta R.T. -0.00 min
Lab File: BG045760.D
Acq: 13 Jun 2020 5:58

Tgt Ion:	166	Resp:	570243
Ion Ratio	Lower	Upper	
166	100		
165	99.2	80.8	121.2
167	14.1	12.0	18.0





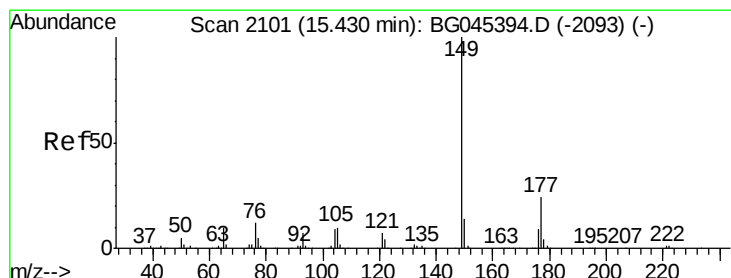
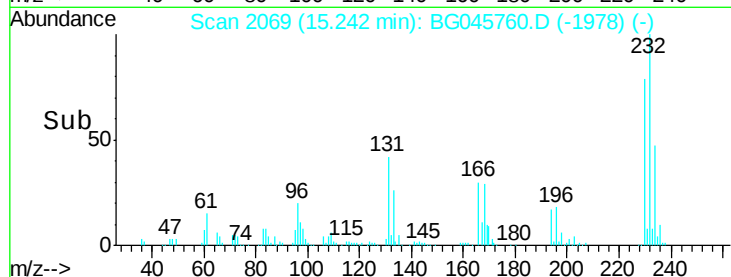
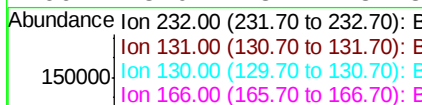
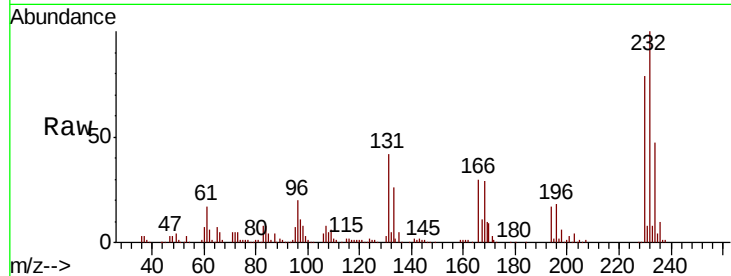
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 52.949 ng
 RT: 15.24 min Scan# 2069
 Delta R.T. 0.01 min
 Lab File: BG045760.D
 Acq: 13 Jun 2020 5:58

Instrument :
 BNA_G
 ClientSampleId :
 15-SPMSD

Tot Ion	Ratio	Resp	Lower	Upper
232	100	173158		
131	42.6	33.7	50.5	
130	2.4	2.1	3.1	
166	28.0	23.2	34.8	

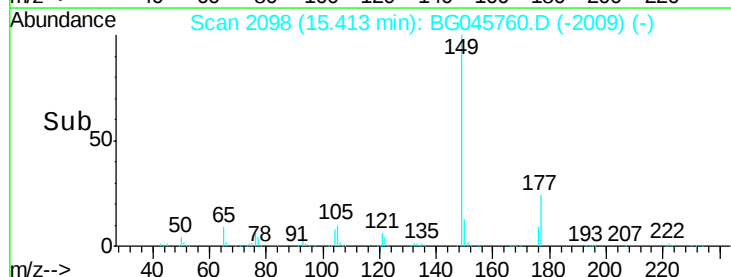
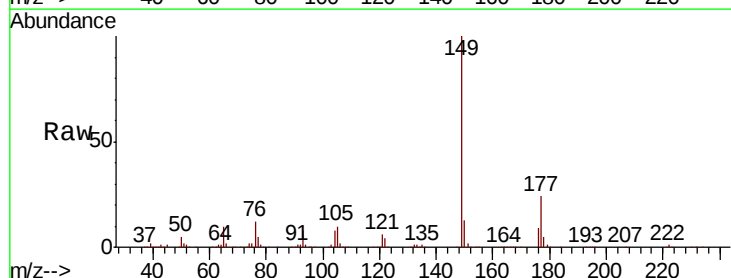
Manual Integrations
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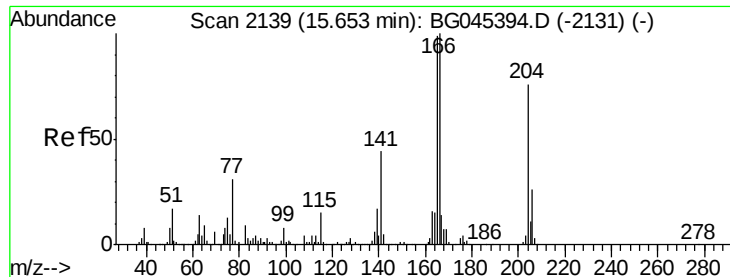
mohammad
 6/16/2020 11:05:04 AM



#60
 Diethylphthalate
 Concen: 48.317 ng
 RT: 15.41 min Scan# 2098
 Delta R.T. -0.00 min
 Lab File: BG045760.D
 Acq: 13 Jun 2020 5:58

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	578351		
177	23.9	19.0	28.4	
150	13.3	11.4	17.0	





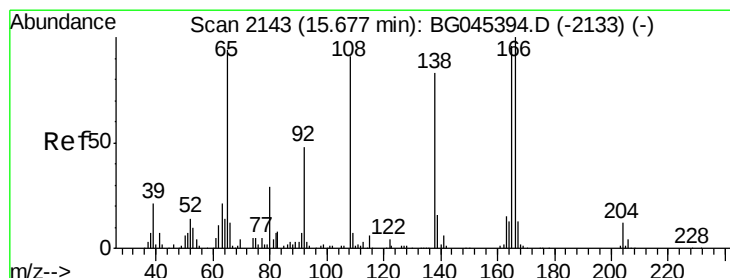
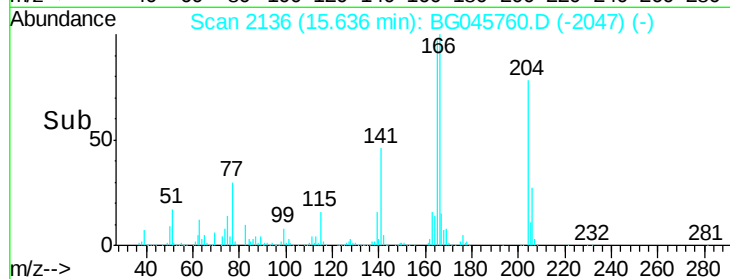
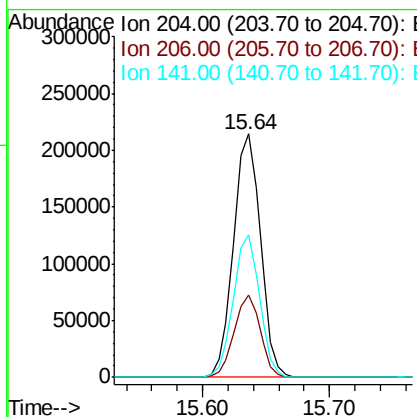
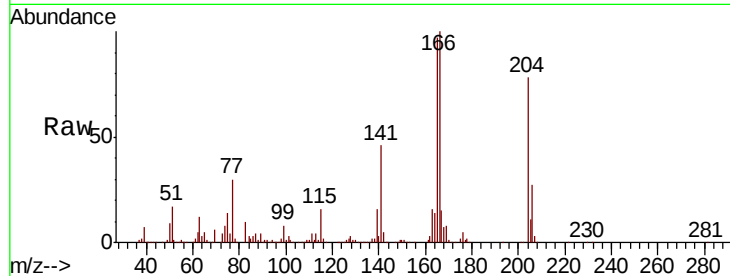
#61
 4-Chlorophenyl-phenylether
 Concen: 50.077 ng
 RT: 15.64 min Scan# 2136
 Delta R.T. -0.00 min
 Lab File: BG045760.D
 Acq: 13 Jun 2020 5:58

Instrument :
 BNA_G
 ClientSampleId :
 15-SPMSD

Tot Ion	Ratio	Resp	Lower	Upper
204	100	314434		
206	34.0	27.3	40.9	
141	58.7	45.9	68.9	

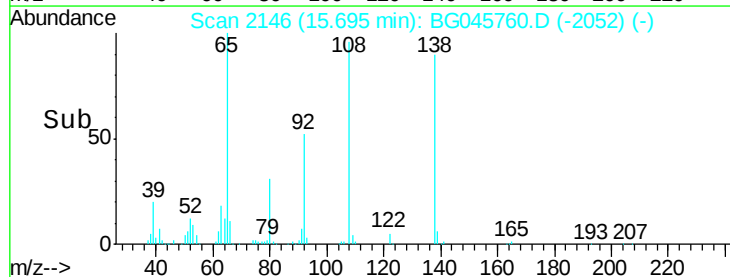
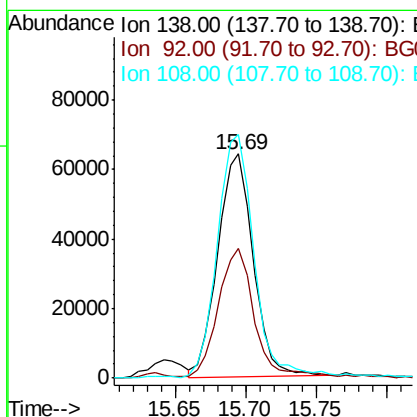
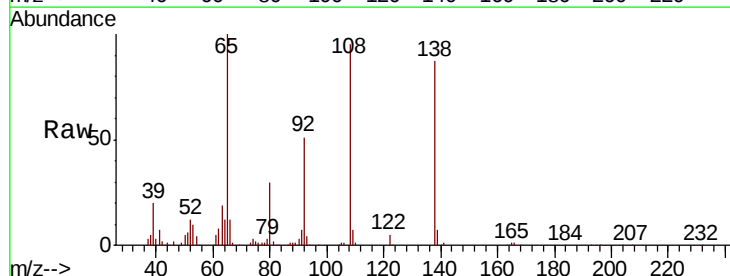
Manual Integrations
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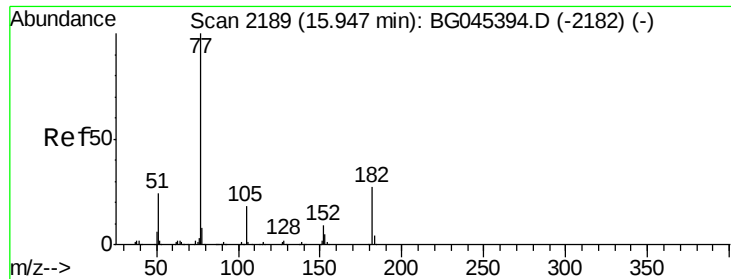
mohammad
 6/16/2020 11:05:04 AM



#62
 4-Nitroaniline
 Concen: 40.719 ng
 RT: 15.69 min Scan# 2146
 Delta R.T. 0.02 min
 Lab File: BG045760.D
 Acq: 13 Jun 2020 5:58

Tgt Ion	Ratio	Resp	Lower	Upper
138	100	112139		
92	58.0	38.0	78.0	
108	108.6	89.3	129.3	





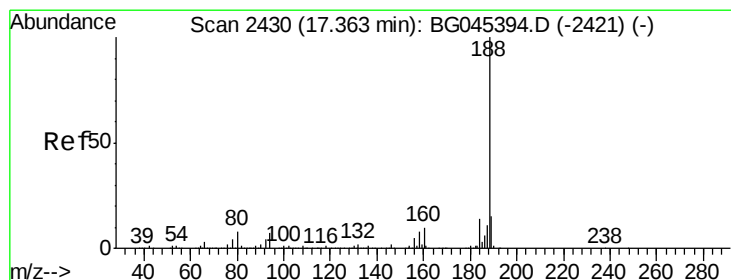
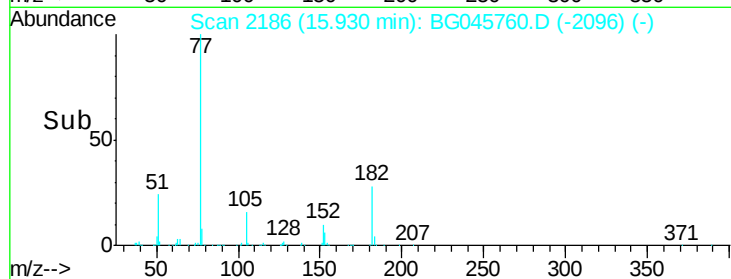
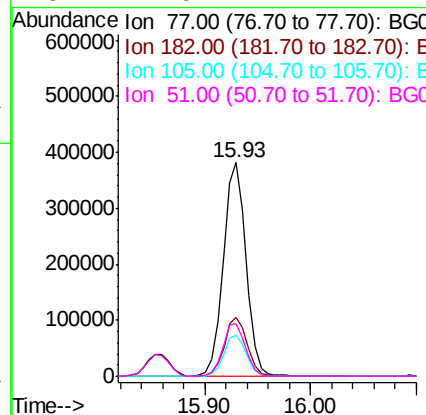
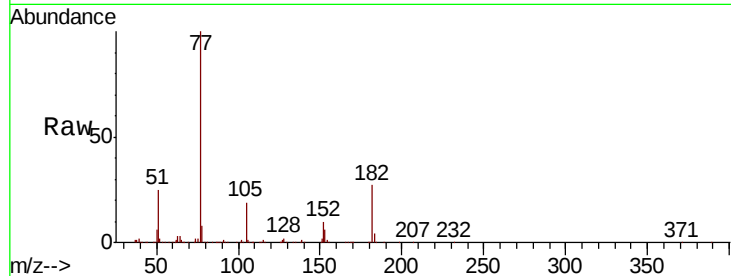
#63
Azobenzene
Concen: 50.726 ng
RT: 15.93 min Scan# 2186
Delta R.T. 0.00 min
Lab File: BG045760.D
Acq: 13 Jun 2020 5:58

Instrument :
BNA_G
ClientSampleId :
15-SPMSD

Tot Ion	Ratio	Resp	Lower	Upper
77	100	566176		
182	27.4	6.5	46.5	
105	19.5	0.0	37.9	
51	24.5	4.1	44.1	

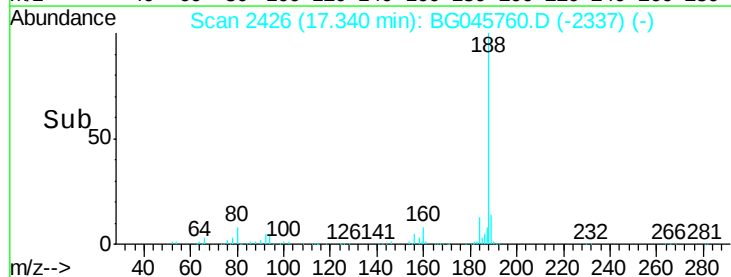
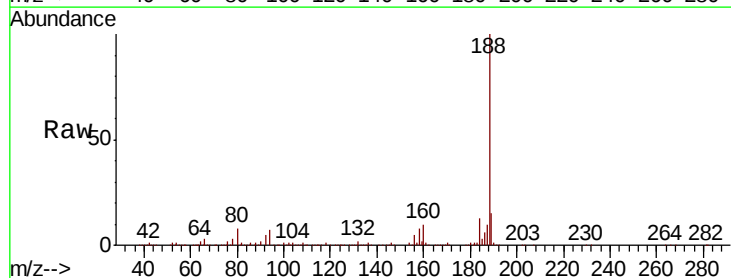
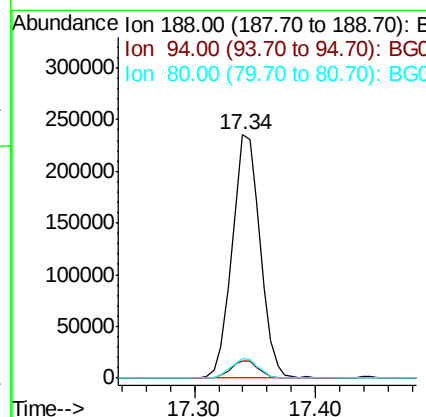
Manual Integrations
APPROVED

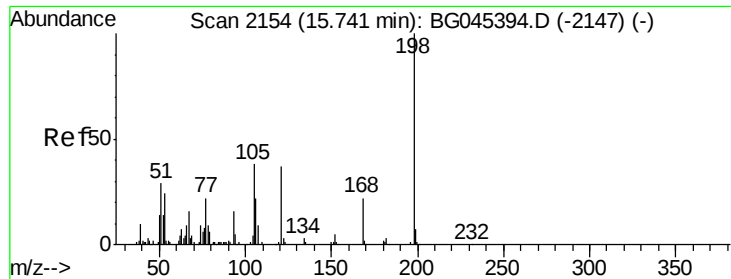
mohammad
6/16/2020 11:05:04 AM



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.34 min Scan# 2426
Delta R.T. -0.00 min
Lab File: BG045760.D
Acq: 13 Jun 2020 5:58

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	379094		
94	6.9	5.5	8.3	
80	8.3	6.6	10.0	





#65

4,6-Dinitro-2-methylphenol

Concen: 47.875 ng

RT: 15.74 min Scan# 2153

Delta R.T. 0.01 min

Lab File: BG045760.D

Acq: 13 Jun 2020 5:58

Instrument :

BNA_G

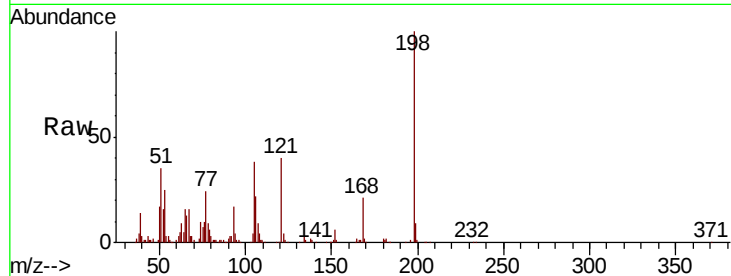
ClientSampleId :

15-SPMSD

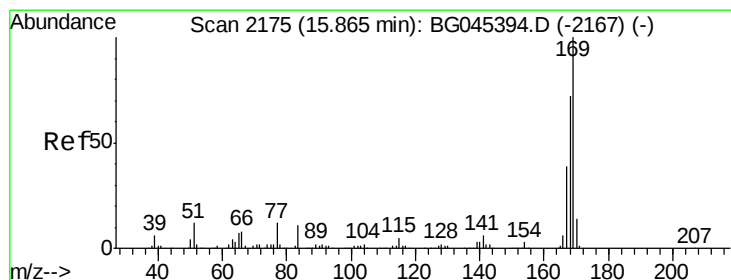
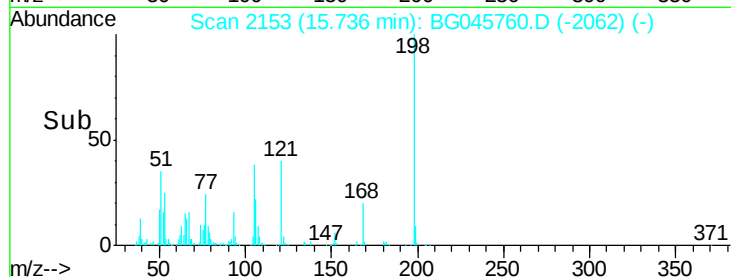
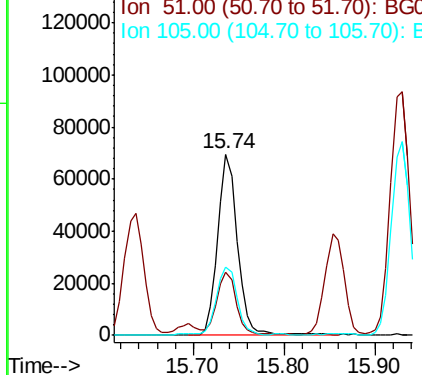
Tot Ion:	198	Resp:	105701
Ion Ratio	Lower	Upper	
198	100		
51	34.7	10.0	50.0
105	37.5	18.9	58.9

Manual Integrations
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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: 53.746 ng

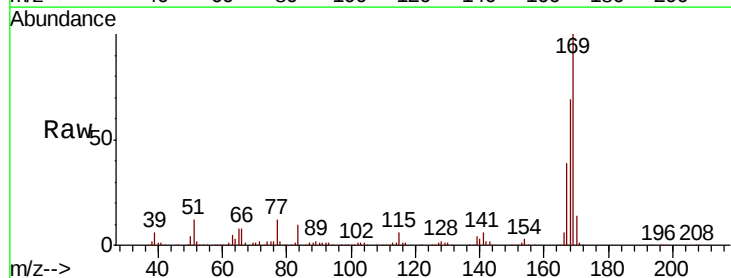
RT: 15.86 min Scan# 2174

Delta R.T. 0.01 min

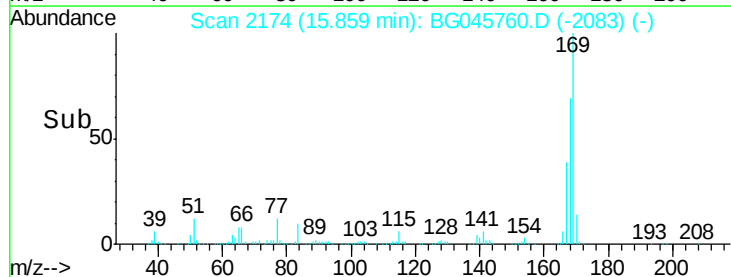
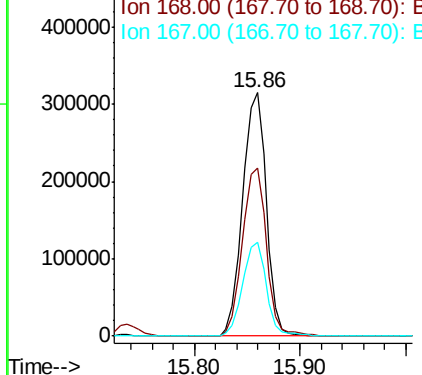
Lab File: BG045760.D

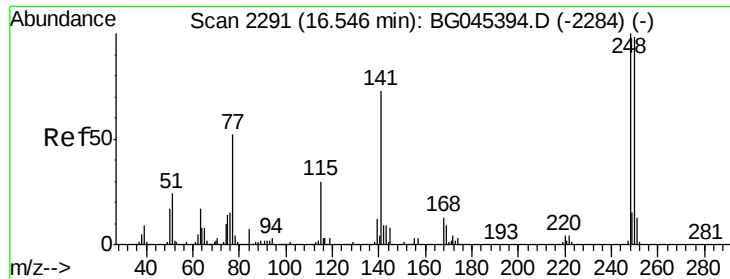
Acq: 13 Jun 2020 5:58

Tgt Ion:	169	Resp:	489197
Ion Ratio	Lower	Upper	
169	100		
168	68.9	57.8	86.6
167	38.7	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





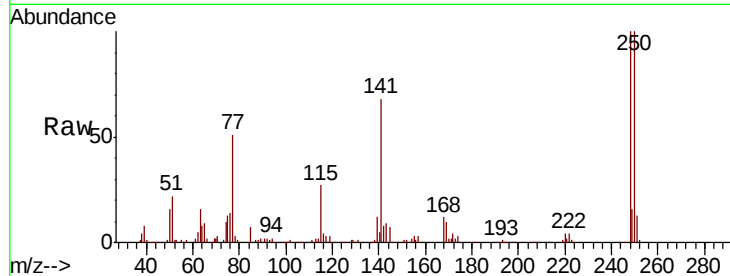
#67
4-Bromophenyl-phenylether
Concen: 52.191 ng
RT: 16.53 min Scan# 2288
Delta R.T. -0.00 min
Lab File: BG045760.D
Acq: 13 Jun 2020 5:58

Instrument :
BNA_G
ClientSampleId :
15-SPMSD

Tot Ion	Ratio	Lower	Upper
248	100		
250	99.9	78.6	117.8
141	68.2	58.2	87.2

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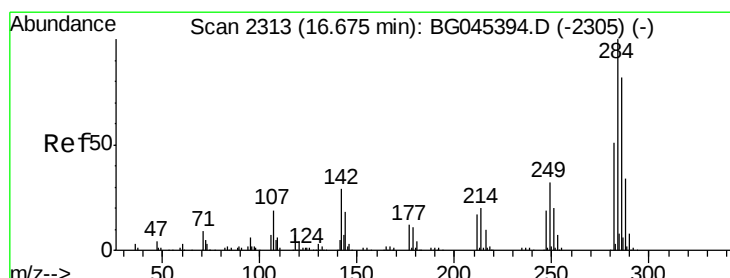
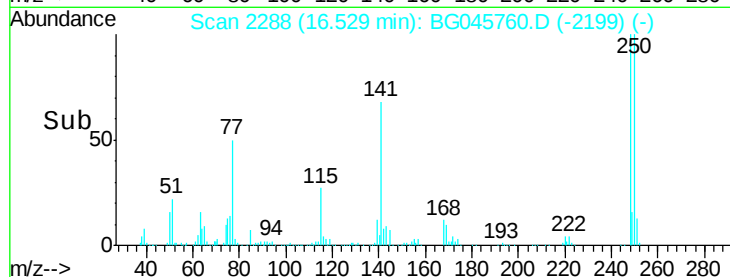
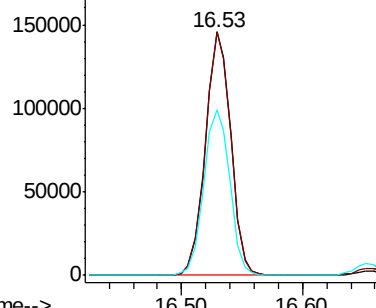


Abundance

Ion 248.00 (247.70 to 248.70): E

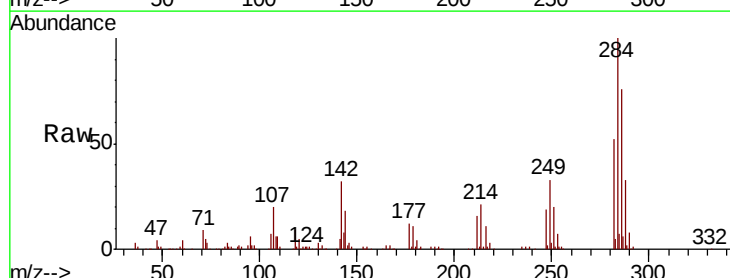
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#68
Hexachlorobenzene
Concen: 54.893 ng
RT: 16.65 min Scan# 2309
Delta R.T. -0.00 min
Lab File: BG045760.D
Acq: 13 Jun 2020 5:58

Tgt Ion	Ratio	Lower	Upper
284	100		
142	31.8	23.0	34.6
249	33.1	25.8	38.6

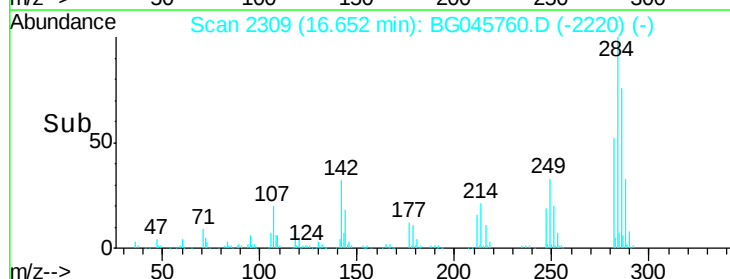
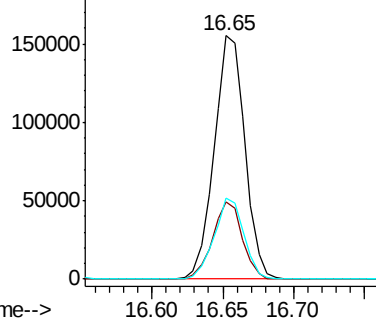


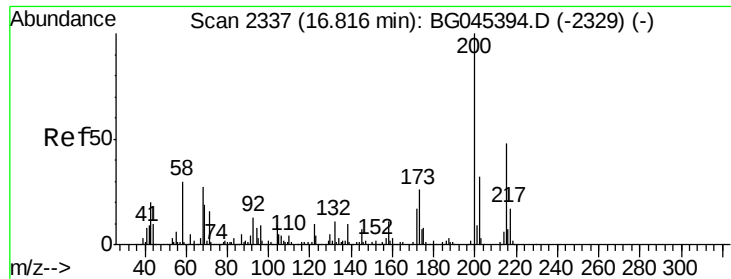
Abundance

Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





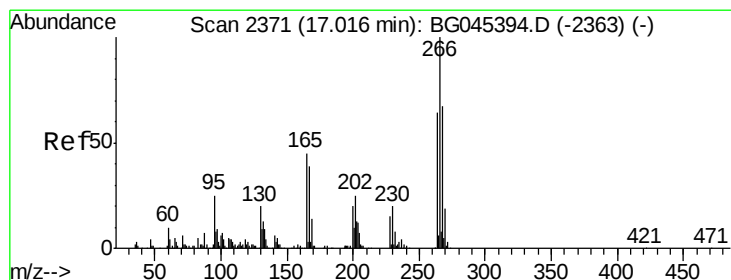
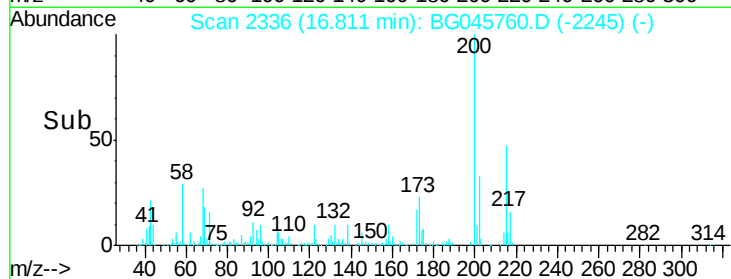
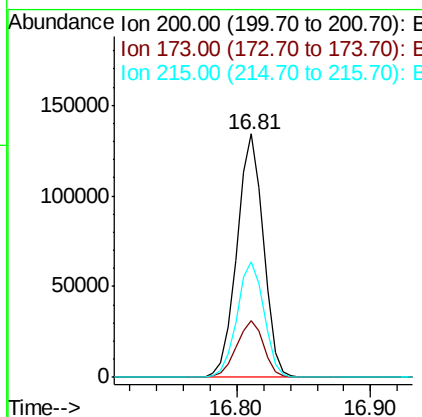
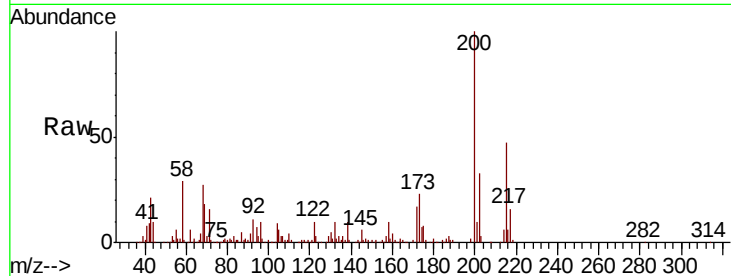
#69
Atrazine
Concen: 49.110 ng
RT: 16.81 min Scan# 2336
Delta R.T. 0.01 min
Lab File: BG045760.D
Acq: 13 Jun 2020 5:58

Instrument :
BNA_G
ClientSampleId :
15-SPMSD

Tot Ion	Ratio	Resp	Lower	Upper
200	100	184116		
173	23.3	5.5	45.5	
215	47.5	28.2	68.2	

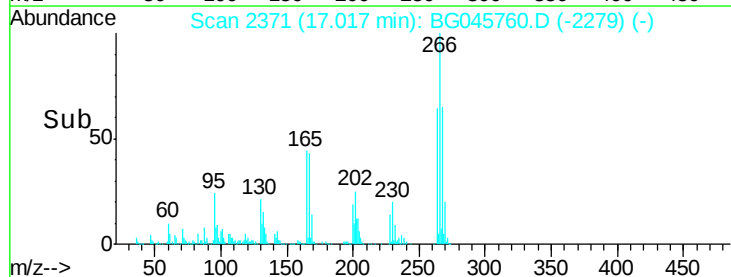
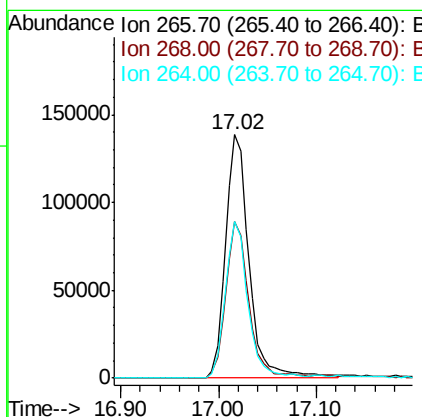
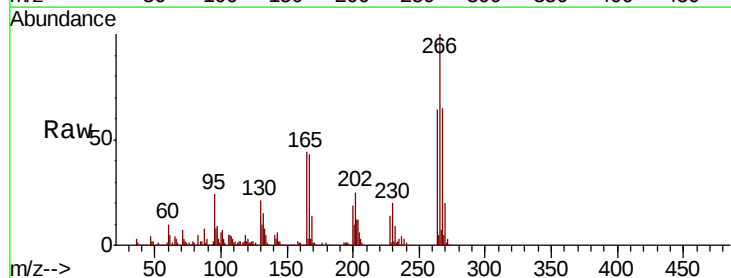
Manual Integrations
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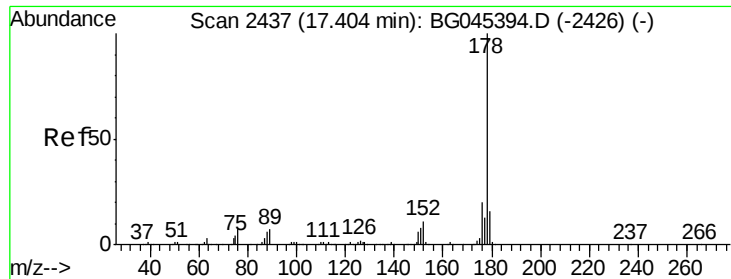
mohammad
6/16/2020 11:05:04 AM



#70
Pentachlorophenol
Concen: 103.787 ng
RT: 17.02 min Scan# 2371
Delta R.T. 0.01 min
Lab File: BG045760.D
Acq: 13 Jun 2020 5:58

Tgt Ion	Ratio	Resp	Lower	Upper
266	100	231375		
268	64.5	53.2	79.8	
264	64.2	51.0	76.4	





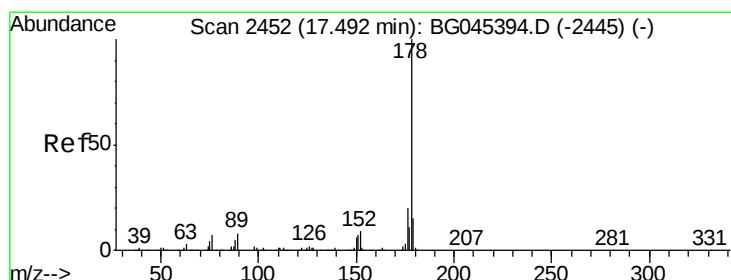
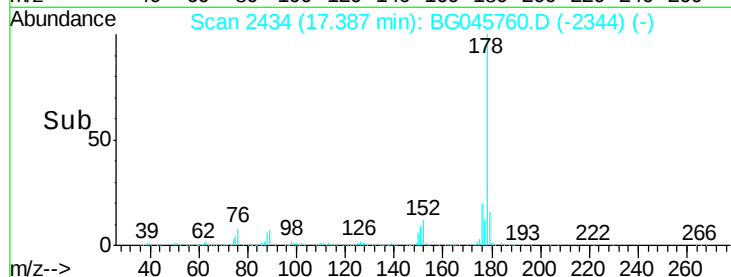
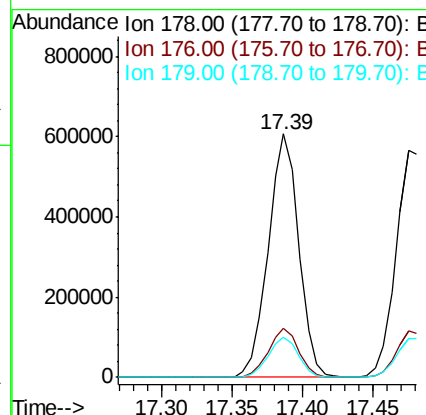
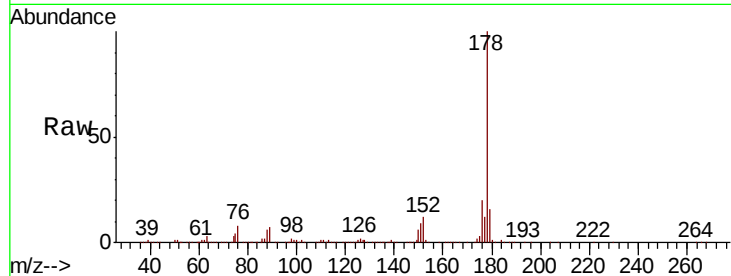
#71
Phenanthrene
Concen: 55.578 ng
RT: 17.39 min Scan# 2434
Delta R.T. 0.00 min
Lab File: BG045760.D
Acq: 13 Jun 2020 5:58

Instrument :
BNA_G
ClientSampleId :
15-SPMSD

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.1	16.2	24.4
179	16.3	13.1	19.7

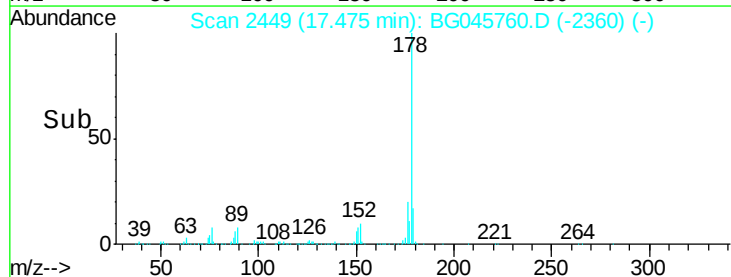
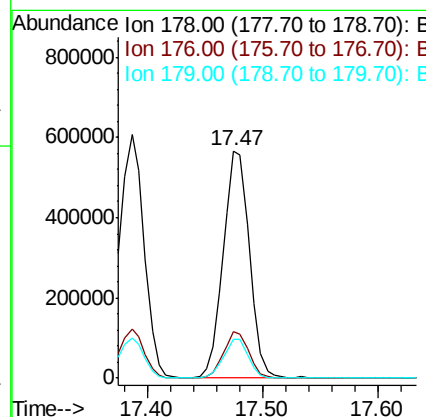
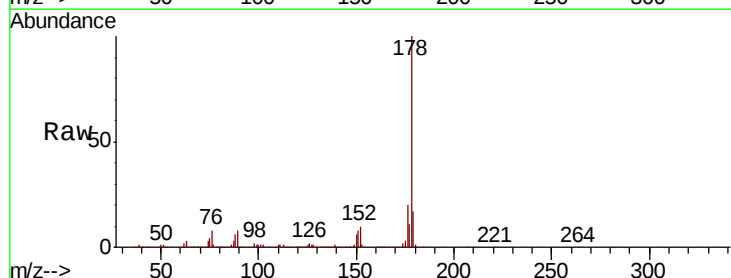
Manual Integrations
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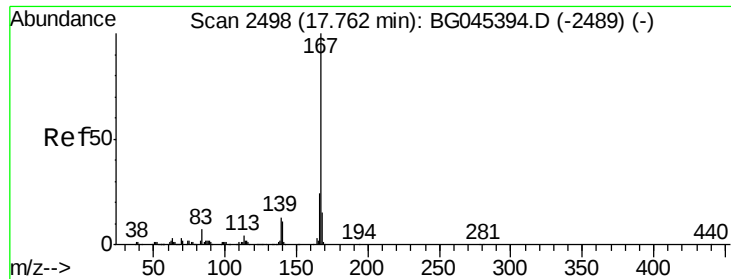
mohammad
6/16/2020 11:05:04 AM



#72
Anthracene
Concen: 53.376 ng
RT: 17.47 min Scan# 2449
Delta R.T. -0.00 min
Lab File: BG045760.D
Acq: 13 Jun 2020 5:58

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.2	15.8	23.6
179	17.0	12.2	18.4





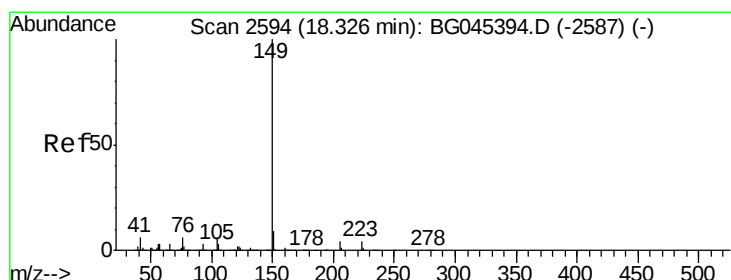
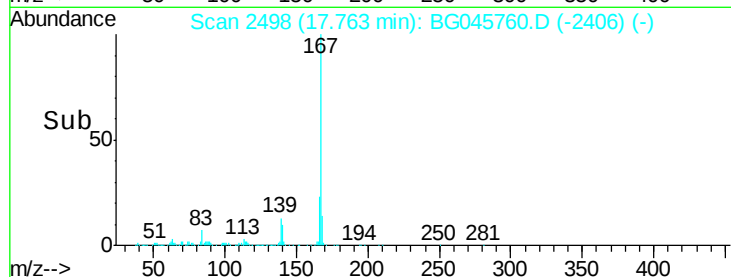
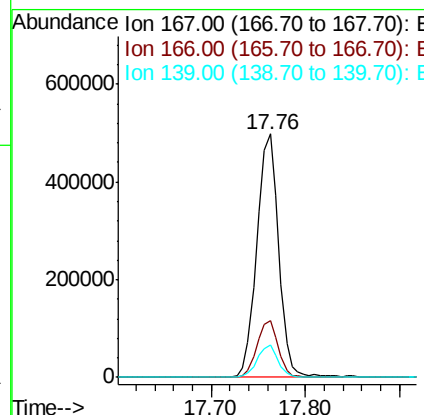
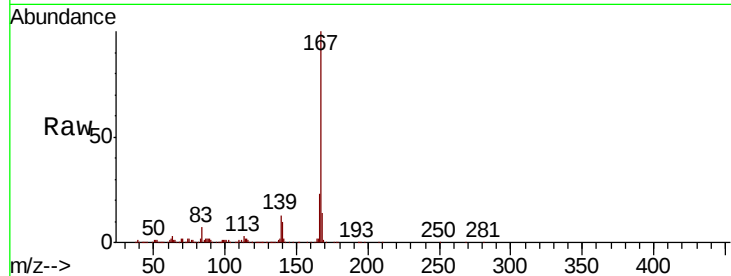
#73
 Carbazole
 Concen: 49.552 ng
 RT: 17.76 min Scan# 2498
 Delta R.T. 0.01 min
 Lab File: BG045760.D
 Acq: 13 Jun 2020 5:58

Instrument :
 BNA_G
 ClientSampleId :
 15-SPMSD

Tot Ion	Ratio	Lower	Upper
167	100		
166	23.5	19.2	28.8
139	13.3	10.6	16.0

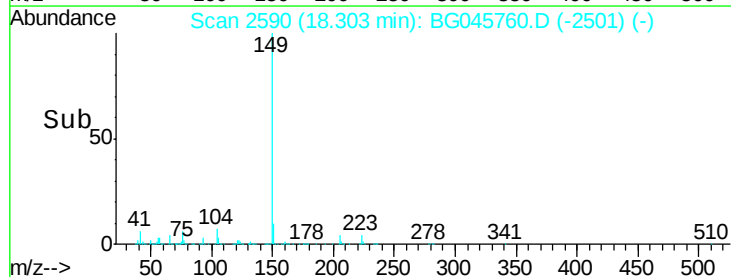
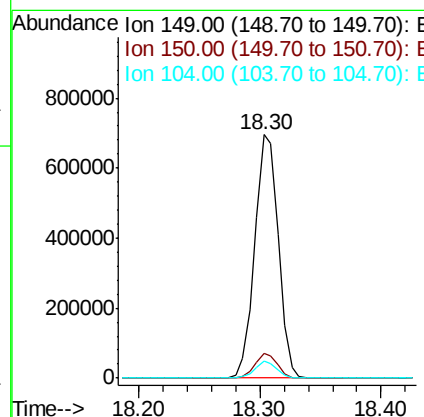
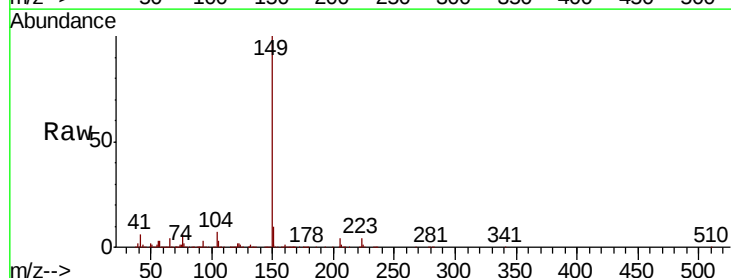
Manual Integrations
 APPROVED

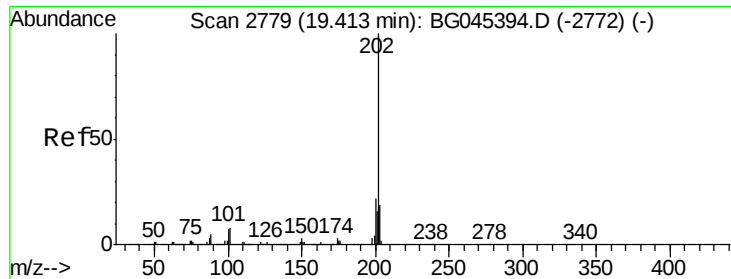
mohammad
 6/16/2020 11:05:04 AM



#74
 Di-n-butylphthalate
 Concen: 48.767 ng
 RT: 18.30 min Scan# 2590
 Delta R.T. -0.00 min
 Lab File: BG045760.D
 Acq: 13 Jun 2020 5:58

Tgt Ion	Ratio	Lower	Upper
149	100		
150	10.0	7.6	11.4
104	6.8	5.0	7.4





#75

Fluoranthene

Concen: 52.963 ng

RT: 19.40 min Scan# 2776

Delta R.T. -0.00 min

Lab File: BG045760.D

Acq: 13 Jun 2020 5:58

Instrument :

BNA_G

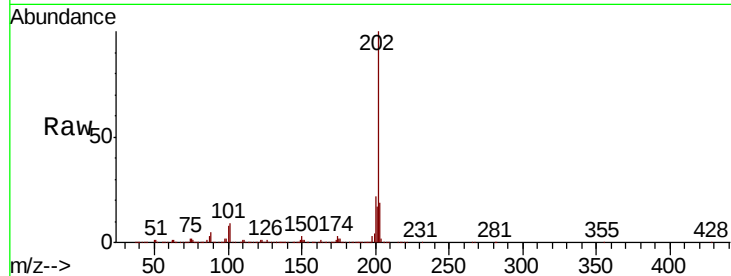
ClientSampleId :

15-SPMSD

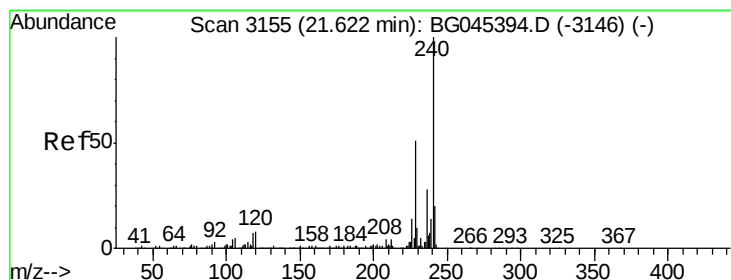
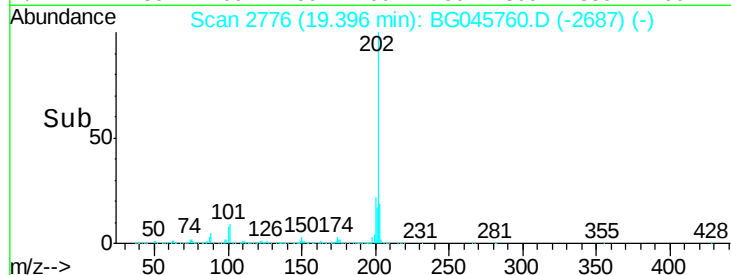
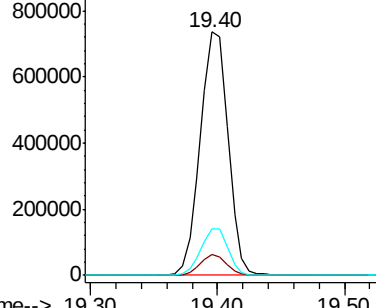
Tot Ion:	202	Resp:	1114881
Ion	Ratio	Lower	Upper
202	100		
101	8.8	0.0	28.3
203	19.1	0.0	39.0

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Abundance Ion 202.00 (201.70 to 202.70): E
1000000 Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

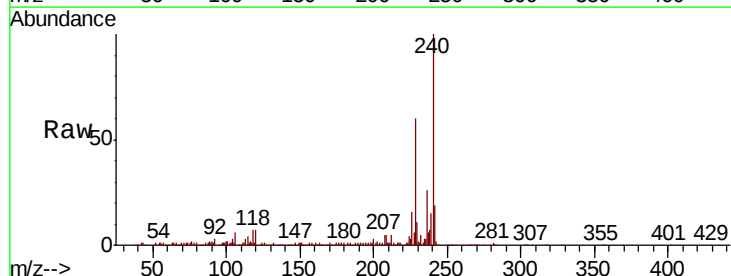
RT: 21.60 min Scan# 3152

Delta R.T. 0.00 min

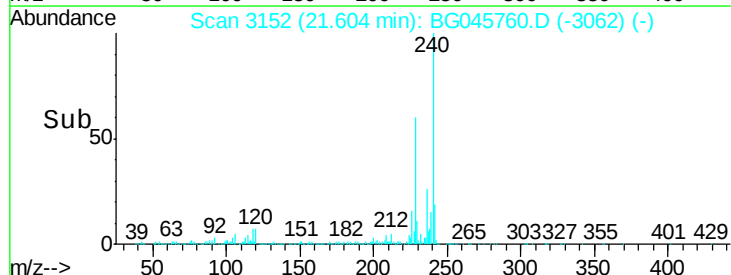
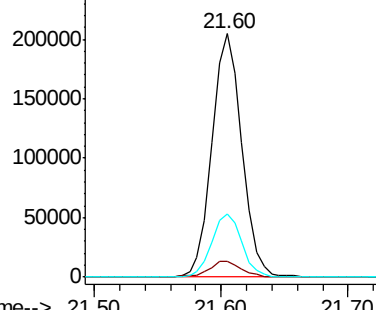
Lab File: BG045760.D

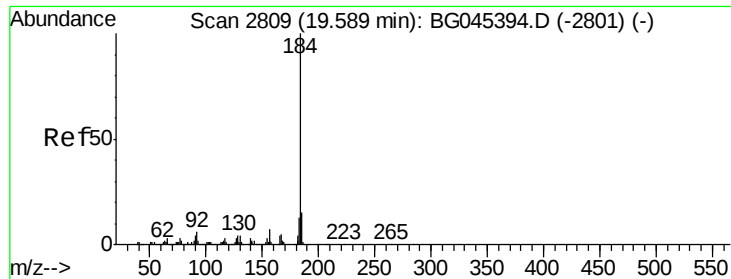
Acq: 13 Jun 2020 5:58

Tgt Ion:	240	Resp:	333907
Ion	Ratio	Lower	Upper
240	100		
120	6.7	6.1	9.1
236	25.7	22.3	33.5



Abundance Ion 240.00 (239.70 to 240.70): E
250000 Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 44.206 ng

RT: 19.58 min Scan# 2808

Delta R.T. 0.01 min

Lab File: BG045760.D

Acq: 13 Jun 2020 5:58

Instrument :

BNA_G

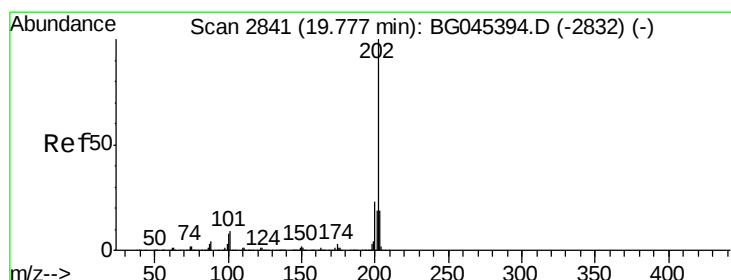
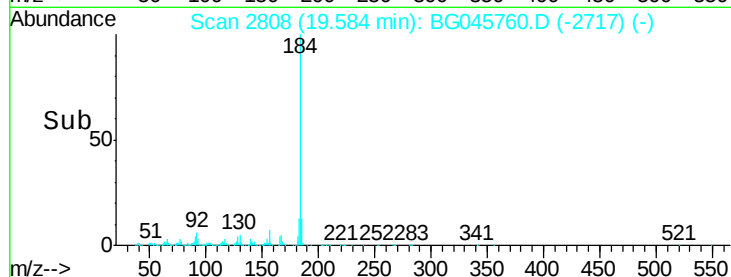
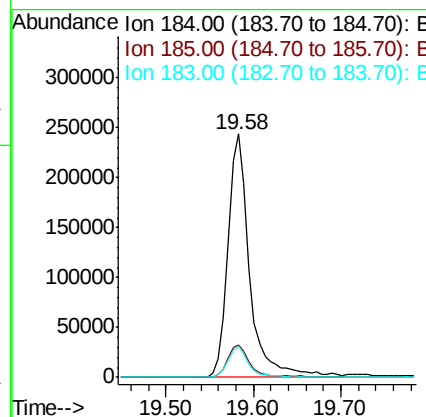
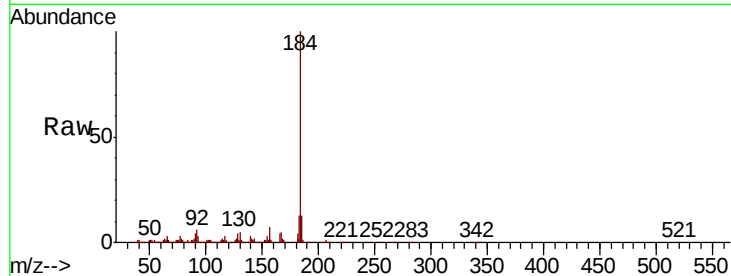
ClientSampleId :

15-SPMSD

Tot Ion:	184	Resp:	414560
Ion Ratio	Lower	Upper	
184	100		
185	13.5	11.7	17.5
183	12.7	10.2	15.4

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#78

Pyrene

Concen: 56.672 ng

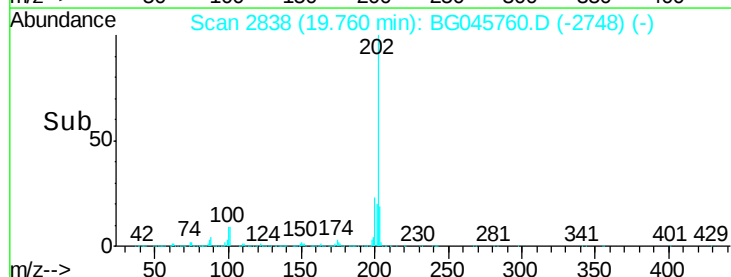
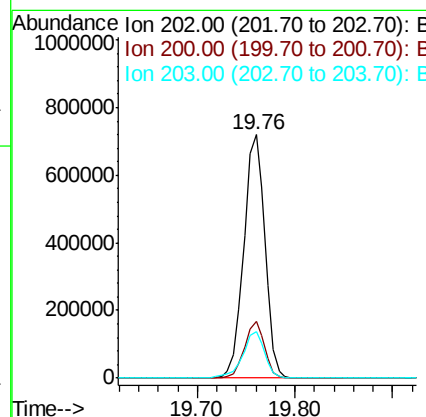
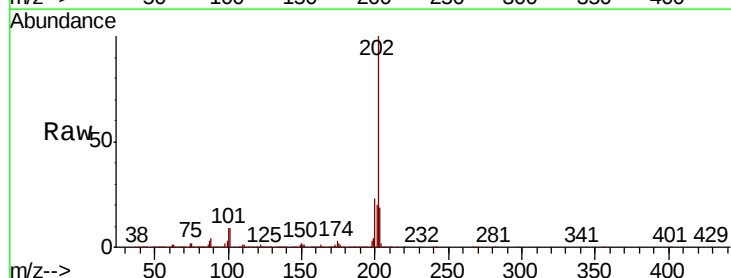
RT: 19.76 min Scan# 2838

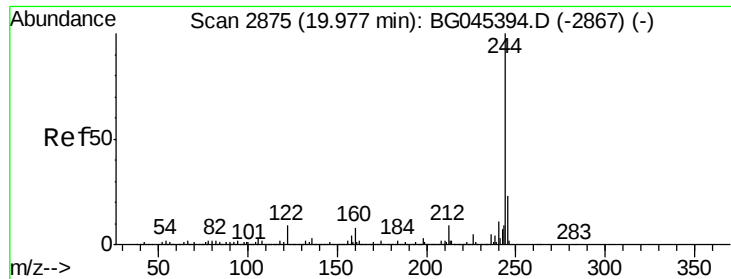
Delta R.T. 0.00 min

Lab File: BG045760.D

Acq: 13 Jun 2020 5:58

Tgt Ion:	202	Resp:	1078704
Ion Ratio	Lower	Upper	
202	100		
200	23.1	18.2	27.2
203	19.2	15.1	22.7





#79

Terphenyl-d14

Concen: 78.959 ng

RT: 19.95 min Scan# 2871

Delta R.T. -0.00 min

Lab File: BG045760.D

Acq: 13 Jun 2020 5:58

Instrument :

BNA_G

ClientSampleId :

15-SPMSD

Tot Ion:244 Resp: 1130432

Ion Ratio Lower Upper

244 100

212 8.8 7.4 11.0

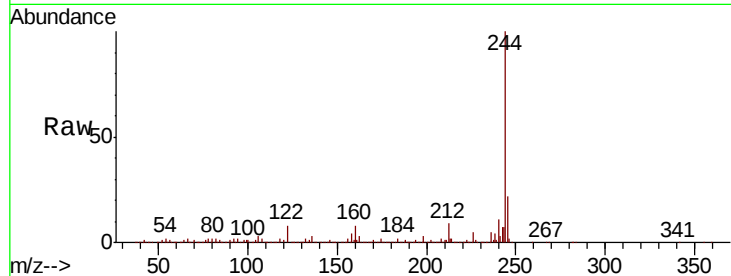
122 7.9 6.8 10.2

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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

1000000

800000

600000

400000

200000

0

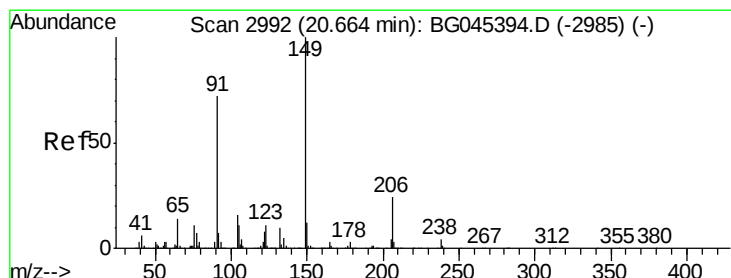
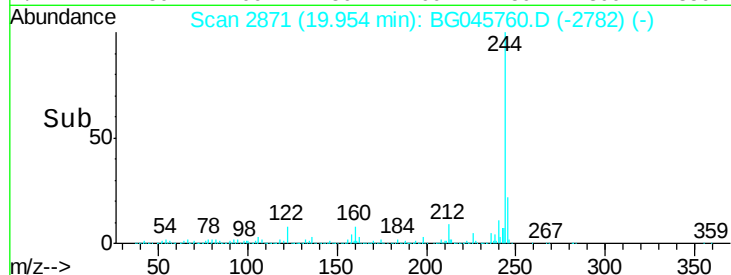
19.95

19.90

20.00

20.10

Time-->



#80

Butylbenzylphthalate

Concen: 50.754 ng

RT: 20.65 min Scan# 2989

Delta R.T. 0.00 min

Lab File: BG045760.D

Acq: 13 Jun 2020 5:58

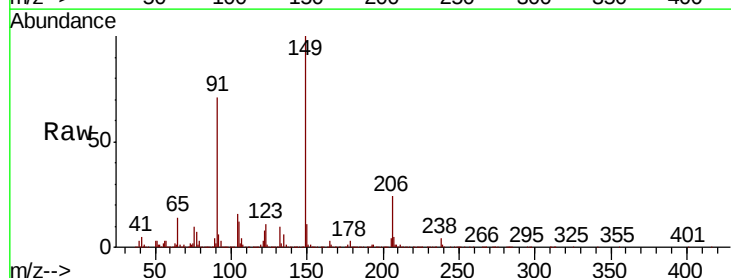
Tgt Ion:149 Resp: 416980

Ion Ratio Lower Upper

149 100

91 71.2 57.8 86.6

206 24.0 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

400000

300000

200000

100000

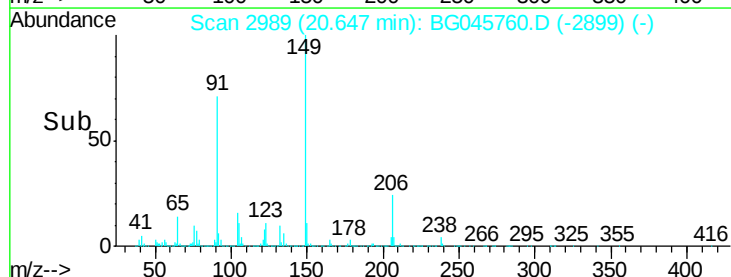
0

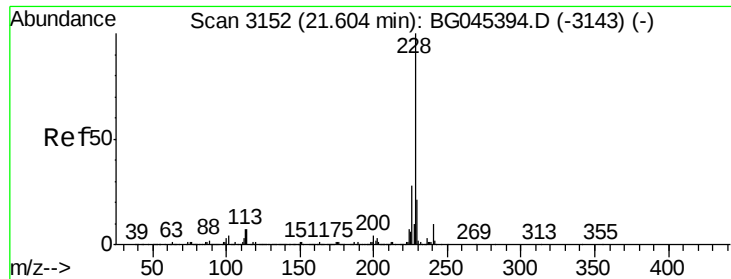
20.65

20.60

20.70

Time-->





#81

Benzo(a)anthracene

Concen: 53.035 ng

RT: 21.59 min Scan# 3149

Delta R.T. 0.00 min

Lab File: BG045760.D

Acq: 13 Jun 2020 5:58

Instrument :

BNA_G

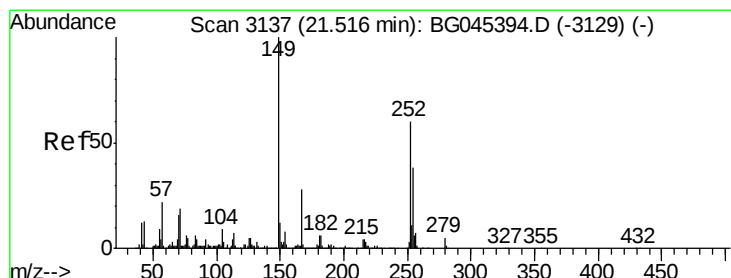
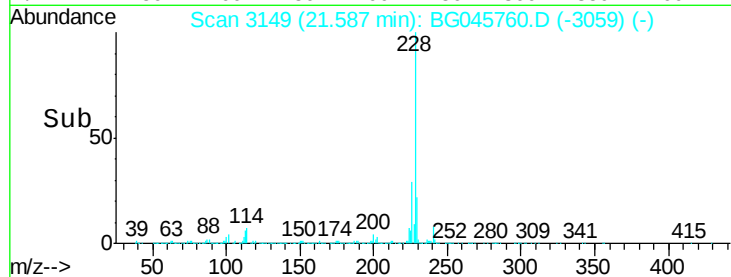
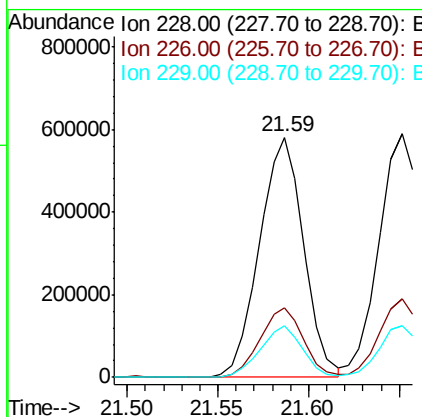
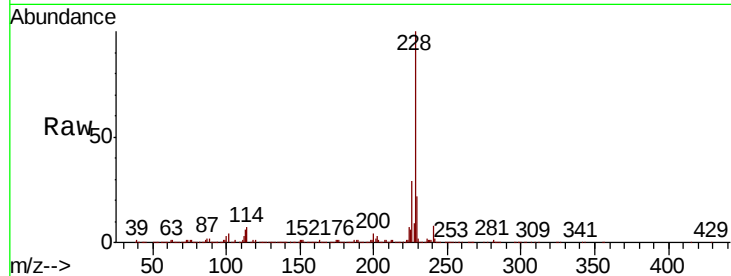
ClientSampleId :

15-SPMSD

Tot Ion:	228	Resp:	986494
Ion Ratio	Lower	Upper	
228	100		
226	28.9	22.7	34.1
229	21.7	16.7	25.1

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#82

3,3'-Dichlorobenzidine

Concen: 36.137 ng

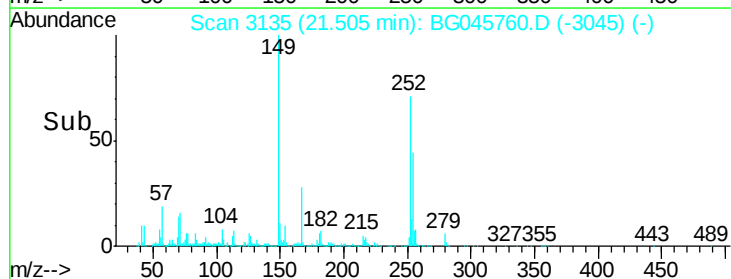
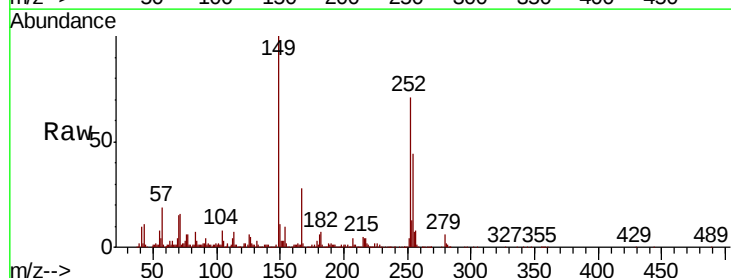
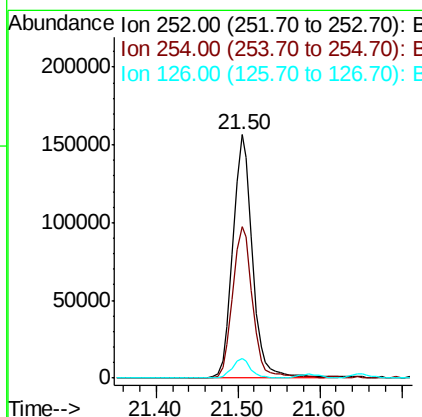
RT: 21.50 min Scan# 3135

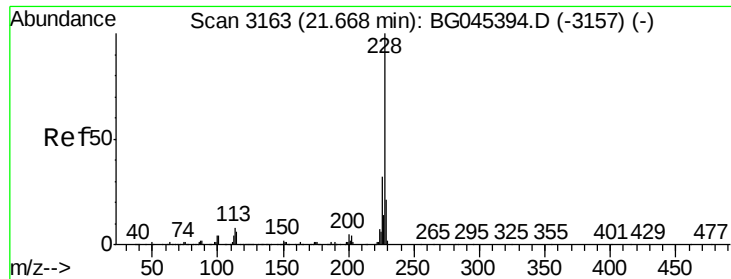
Delta R.T. 0.00 min

Lab File: BG045760.D

Acq: 13 Jun 2020 5:58

Tgt Ion:	252	Resp:	263667
Ion Ratio	Lower	Upper	
252	100		
254	62.4	51.3	76.9
126	8.2	6.6	10.0





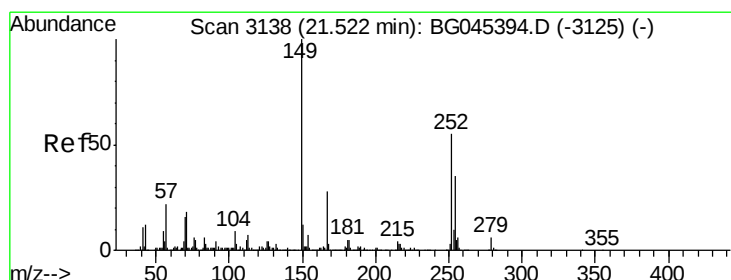
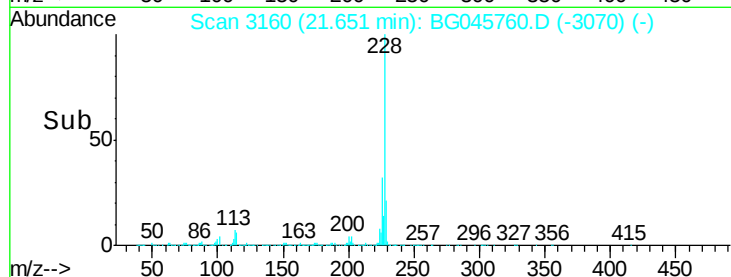
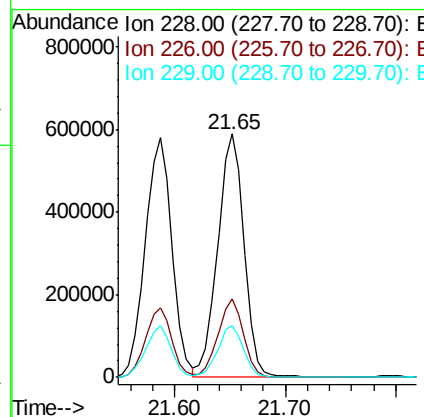
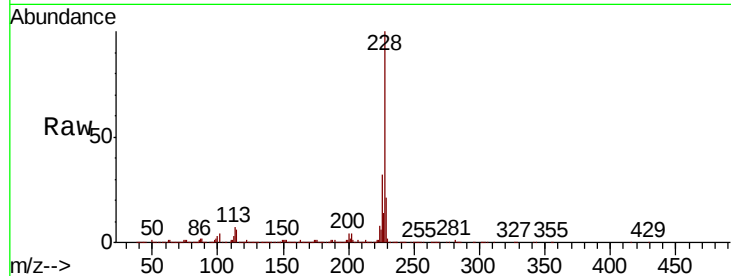
#83
Chrysene
Concen: 54.007 ng
RT: 21.65 min Scan# 3160
Delta R.T. 0.00 min
Lab File: BG045760.D
Acq: 13 Jun 2020 5:58

Instrument :
BNA_G
ClientSampleId :
15-SPMSD

Tot Ion:	228	Resp:	965931
Ion Ratio	Lower	Upper	
228	100		
226	32.3	25.2	37.8
229	21.1	16.7	25.1

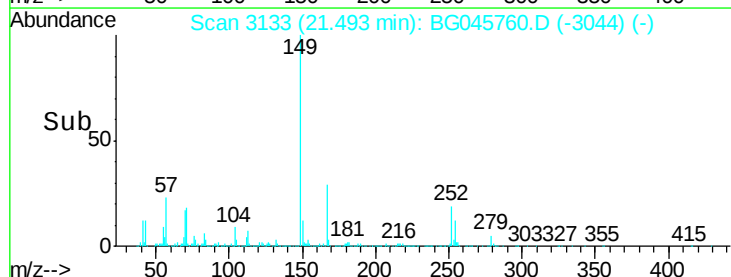
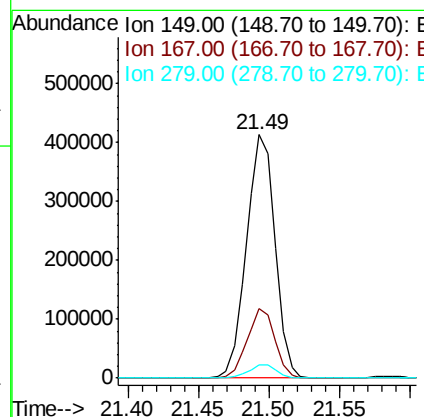
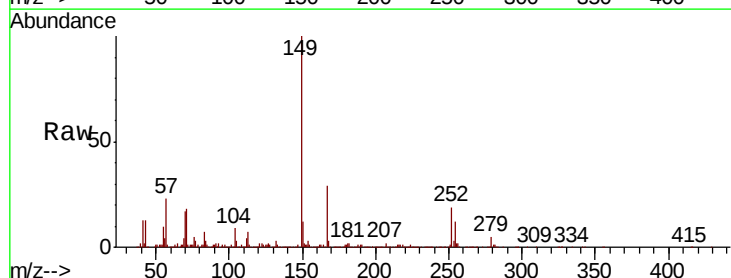
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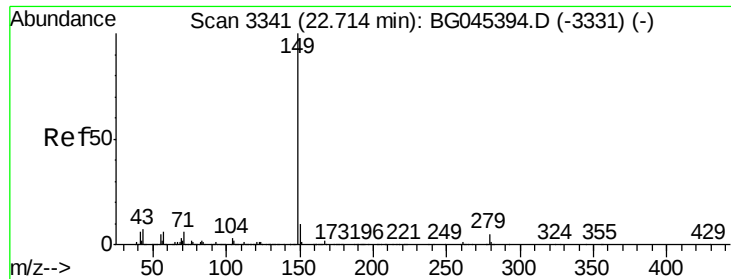
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#84
Bis(2-ethylhexyl)phthalate
Concen: 51.525 ng
RT: 21.49 min Scan# 3133
Delta R.T. -0.00 min
Lab File: BG045760.D
Acq: 13 Jun 2020 5:58

Tgt Ion:	149	Resp:	581902
Ion Ratio	Lower	Upper	
149	100		
167	28.8	22.2	33.2
279	5.3	4.7	7.1





#85

Di-n-octyl phthalate

Concen: 50.110 ng

RT: 22.68 min Scan# 3335

Delta R.T. -0.00 min

Lab File: BG045760.D

Acq: 13 Jun 2020 5:58

Instrument :

BNA_G

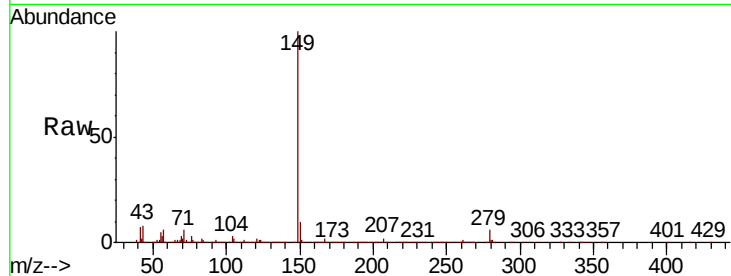
ClientSampleId :

15-SPMSD

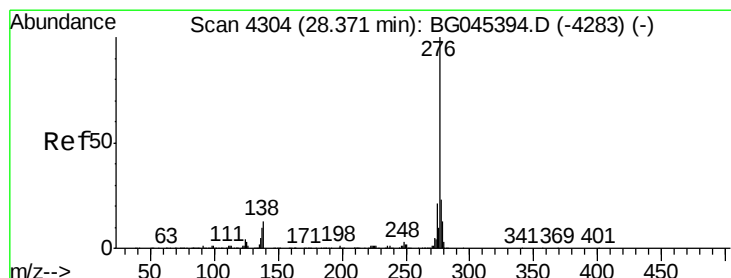
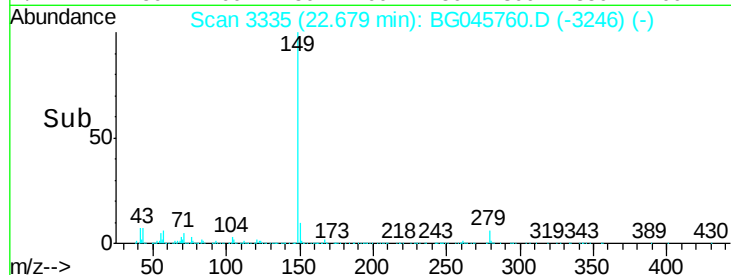
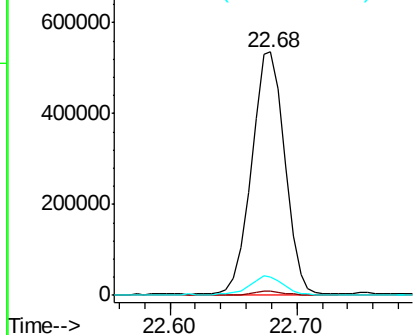
Tot Ion:	149	Resp:	971986
Ion Ratio	Lower	Upper	
149	100		
167	1.8	1.4	2.0
43	7.5	5.8	8.8

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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BGC



#86

Indeno(1,2,3-cd)pyrene

Concen: 52.771 ng

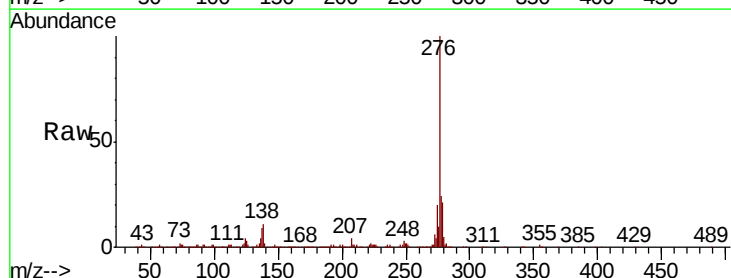
RT: 28.34 min Scan# 4298

Delta R.T. 0.01 min

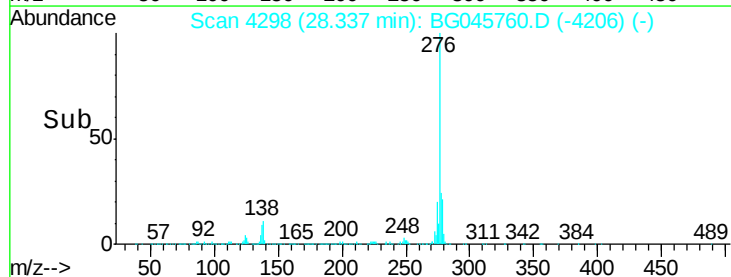
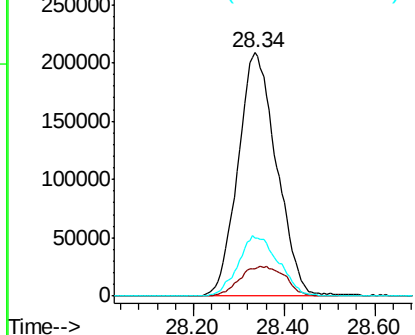
Lab File: BG045760.D

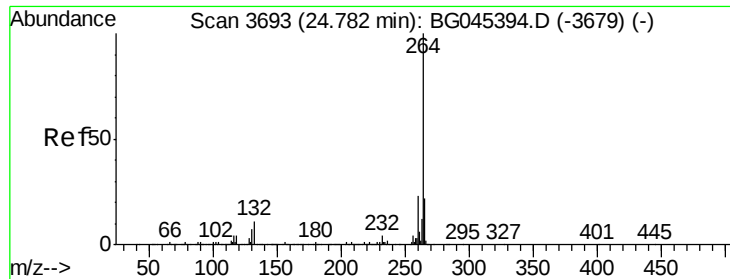
Acq: 13 Jun 2020 5:58

Tgt Ion:	276	Resp:	1234222
Ion Ratio	Lower	Upper	
276	100		
138	14.5	8.6	12.8#
277	25.4	20.2	30.4



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 24.75 min Scan# 3687

Delta R.T. -0.00 min

Lab File: BG045760.D

Acq: 13 Jun 2020 5:58

Instrument :

BNA_G

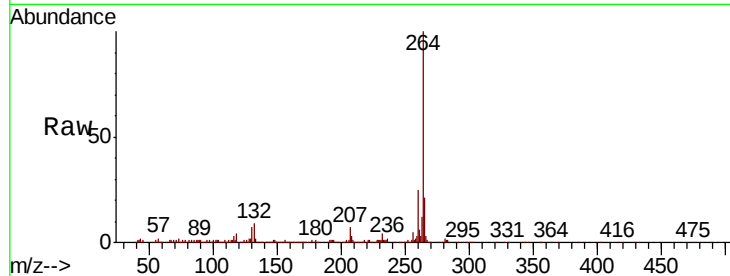
ClientSampleId :

15-SPMSD

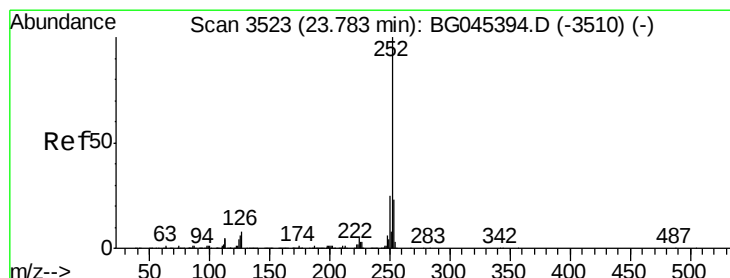
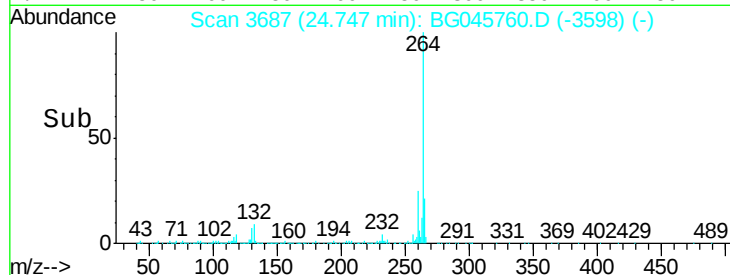
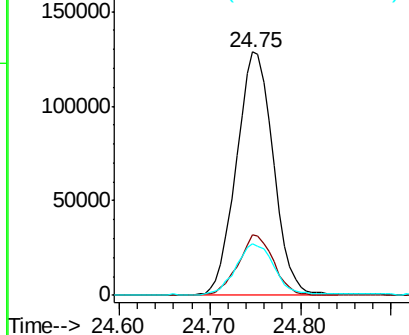
Tot Ion:	264	Resp:	364533
Ion Ratio	Lower	Upper	
264	100		
260	24.7	18.2	27.4
265	21.1	17.6	26.4

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Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 54.024 ng

RT: 23.76 min Scan# 3519

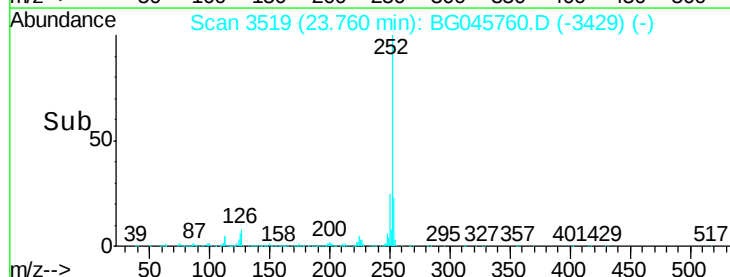
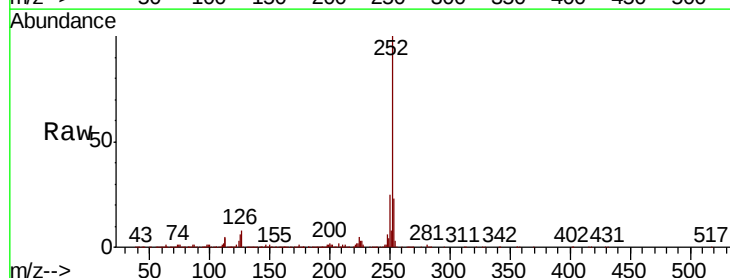
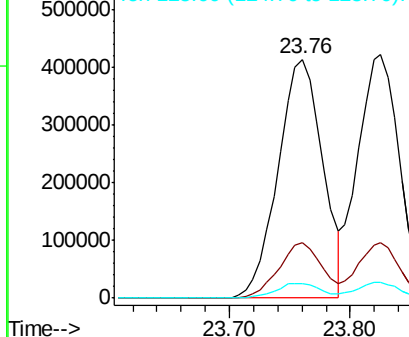
Delta R.T. 0.00 min

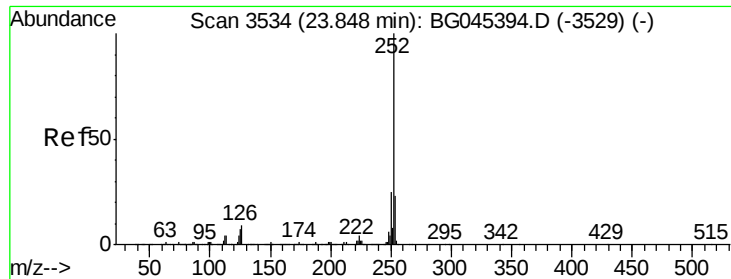
Lab File: BG045760.D

Acq: 13 Jun 2020 5:58

Tgt Ion:	252	Resp:	1056178
Ion Ratio	Lower	Upper	
252	100		
253	23.0	18.1	27.1
125	6.3	5.0	7.6

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 55.249 ng

RT: 23.82 min Scan# 3530

Delta R.T. 0.00 min

Lab File: BG045760.D

Acq: 13 Jun 2020 5:58

Instrument :

BNA_G

ClientSampleId :

15-SPMSD

Tot Ion:252 Resp: 1014766

Ion Ratio Lower Upper

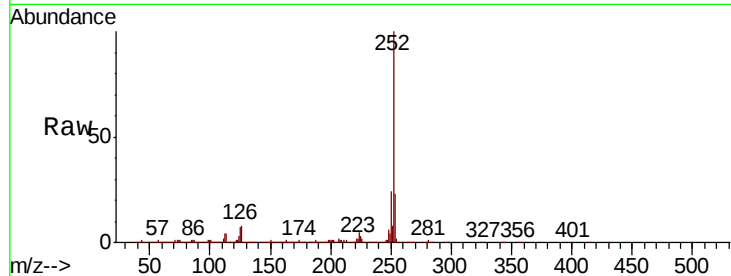
252 100

253 22.7 18.4 27.6

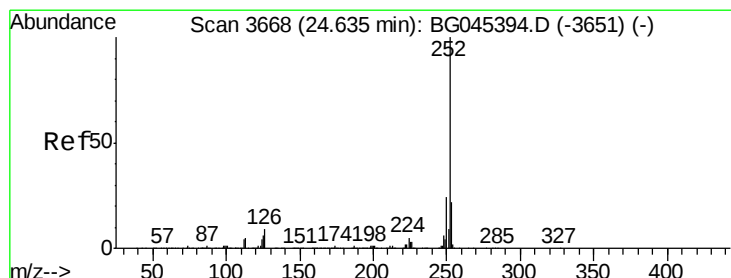
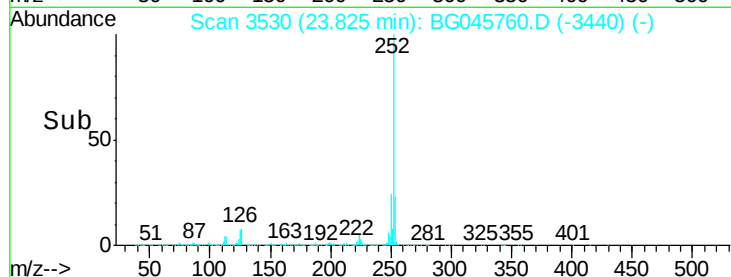
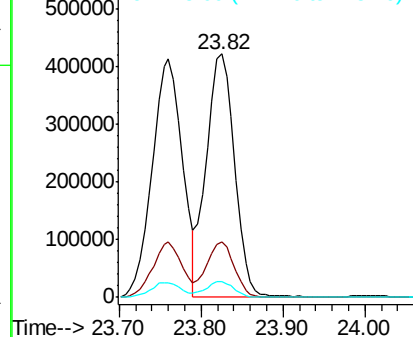
125 6.6 5.7 8.5

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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#90

Benzo(a)pyrene

Concen: 52.965 ng

RT: 24.61 min Scan# 3663

Delta R.T. 0.00 min

Lab File: BG045760.D

Acq: 13 Jun 2020 5:58

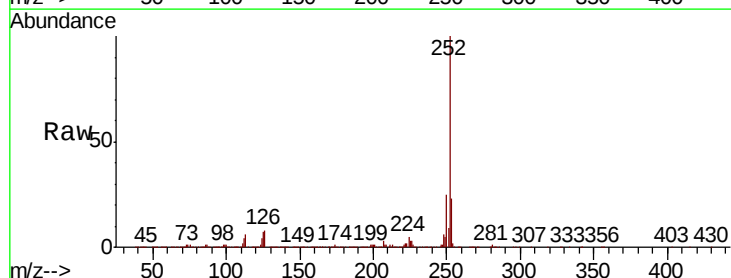
Tgt Ion:252 Resp: 964382

Ion Ratio Lower Upper

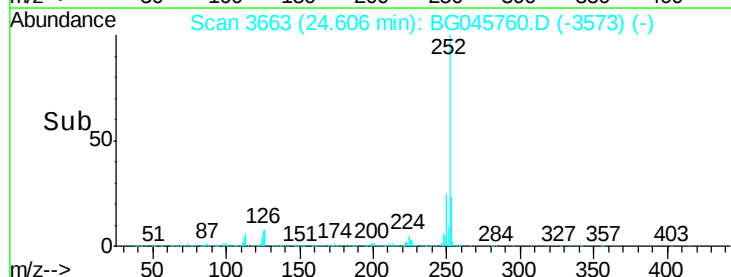
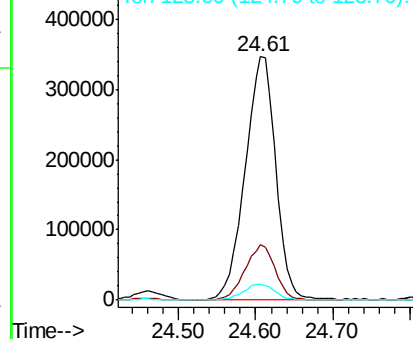
252 100

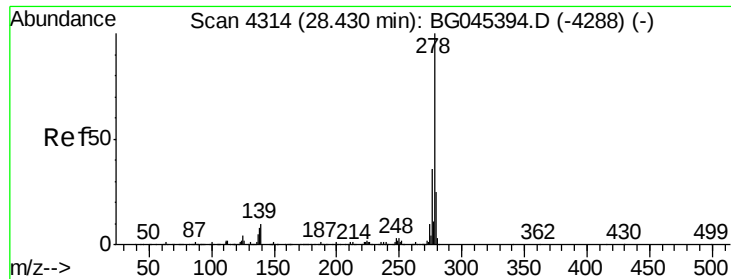
253 22.6 17.2 25.8

125 6.6 5.0 7.6



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





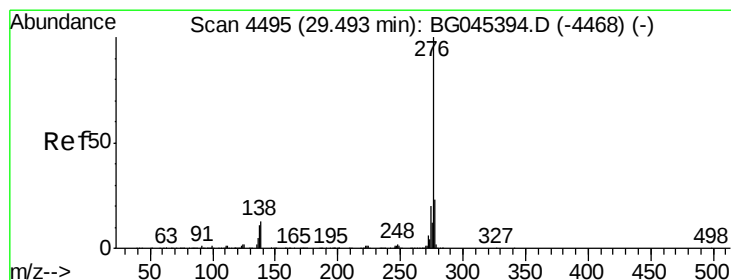
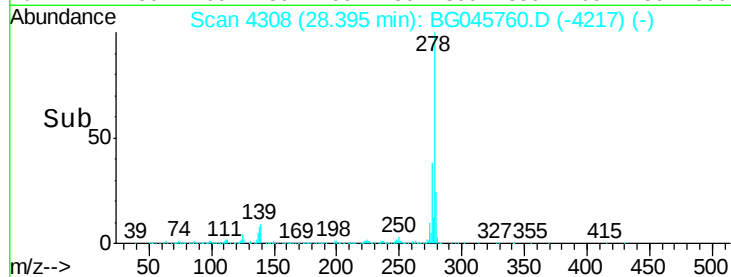
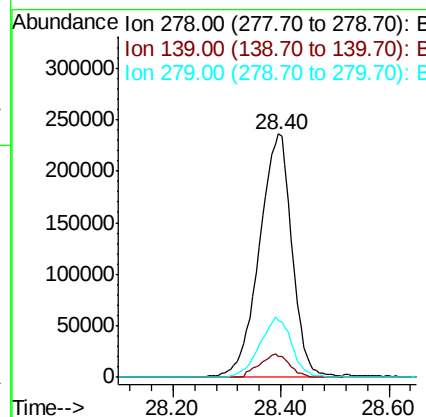
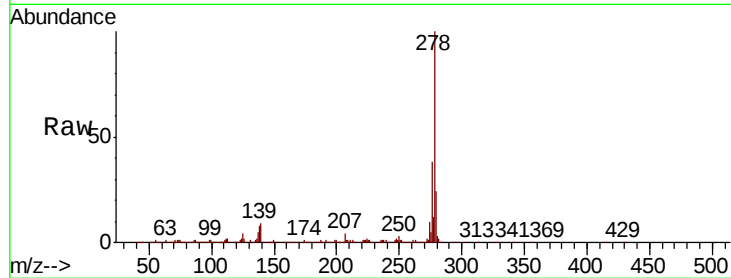
#91
Dibenzo(a,h)anthracene
Concen: 53.491 ng
RT: 28.40 min Scan# 4308
Delta R.T. 0.01 min
Lab File: BG045760.D
Acq: 13 Jun 2020 5:58

Instrument :
BNA_G
ClientSampleId :
15-SPMSD

Tot Ion	Ratio	Lower	Upper
278	100		
139	8.8	7.8	11.8
279	23.5	19.8	29.8

Manual Integrations
APPROVED

mohammad
6/16/2020 11:05:04 AM



#92
Benzo(g,h,i)perylene
Concen: 55.230 ng
RT: 29.45 min Scan# 4488
Delta R.T. 0.01 min
Lab File: BG045760.D
Acq: 13 Jun 2020 5:58

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.4	18.1	27.1
138	12.0	10.2	15.4

