

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031720\
 Data File : BG044829.D
 Acq On : 17 Mar 2020 11:55
 Operator : CG/JU
 Sample : PB127438BS
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB127438BS

Manual Integrations
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 3/18/2020 4:00:01 PM

Quant Time: Mar 17 17:06:15 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG031020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 16 17:37:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	81156	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	311832	20.00	ng	0.00
39) Acenaphthene-d10	14.68	164	226868	20.00	ng	0.00
64) Phenanthrene-d10	17.43	188	536591	20.00	ng	0.00
76) Chrysene-d12	21.70	240	447192	20.00	ng	0.00
87) Perylene-d12	24.90	264	493848	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	578328	110.93	ng	0.00
7) Phenol-d6	7.21	99	808285	106.71	ng	0.00
23) Nitrobenzene-d5	9.20	82	459743	64.70	ng	0.00
42) 2,4,6-Tribromophenol	16.17	330	360425	121.34	ng	0.00
45) 2-Fluorobiphenyl	13.31	172	995039	62.81	ng	0.00
79) Terphenyl-d14	20.04	244	1606396	67.19	ng	0.00

Target Compounds				Qvalue		
2) 1,4-Dioxane	3.52	88	89519	35.658	ng	97
3) Pyridine	3.91	79	218039	29.338	ng	97
4) n-Nitrosodimethylamine	3.82	42	105028	37.246	ng	# 91
6) Aniline	7.37	93	258774	27.455	ng	96
8) 2-Chlorophenol	7.62	128	208973	40.154	ng	97
9) Benzaldehyde	7.18	77	111046	20.666	ng	98
10) Phenol	7.24	94	297490	39.670	ng	98
11) bis(2-Chloroethyl)ether	7.47	93	217679	36.371	ng	95
12) 1,3-Dichlorobenzene	7.94	146	243736	38.019	ng	98
13) 1,4-Dichlorobenzene	8.09	146	242669	38.288	ng	98
14) 1,2-Dichlorobenzene	8.41	146	222547	37.023	ng	98
15) Benzyl Alcohol	8.28	79	223793	36.823	ng	93
16) 2,2'-oxybis(1-Chloropropan	8.58	45	320009	30.299	ng	98
17) 2-Methylphenol	8.49	107	199101	39.195	ng	96
18) Hexachloroethane	9.14	117	94921	38.041	ng	93
19) n-Nitroso-di-n-propylamine	8.86	70	184930	34.576	ng	# 95
20) 3+4-Methylphenols	8.82	107	277903	39.687	ng	98
22) Acetophenone	8.87	105	334041	37.812	ng	# 98
24) Nitrobenzene	9.25	77	276115	37.447	ng	94
25) Isophorone	9.78	82	517298	37.298	ng	99
26) 2-Nitrophenol	9.96	139	119248	46.747	ng	94
27) 2,4-Dimethylphenol	10.02	122	208512	46.166	ng	97
28) bis(2-Chloroethoxy)methane	10.26	93	303823	36.707	ng	99
29) 2,4-Dichlorophenol	10.50	162	226165	42.871	ng	97
30) 1,2,4-Trichlorobenzene	10.73	180	236265	37.455	ng	98
31) Naphthalene	10.91	128	660369	38.229	ng	100
32) Benzoic acid	10.14	122	133473	39.962	ng	97
33) 4-Chloroaniline	11.01	127	165336	21.244	ng	95
34) Hexachlorobutadiene	11.21	225	153878	37.095	ng	99
35) Caprolactam	11.77	113	88255m	44.186	ng	
36) 4-Chloro-3-methylphenol	12.13	107	265603	42.214	ng	97
37) 2-Methylnaphthalene	12.51	142	499591	38.663	ng	95
38) 1-Methylnaphthalene	12.73	142	464878	38.268	ng	98
40) 1,2,4,5-Tetrachlorobenzene	12.88	216	259202	34.692	ng	99

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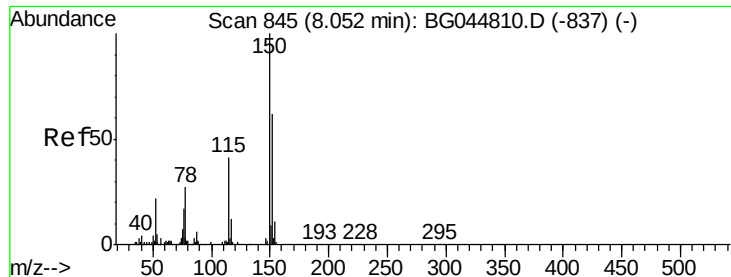
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 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG031020.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.87	237	368452	90.236	nq	96
43) 2,4,6-Trichlorophenol	13.12	196	203355	41.012	nq	98
44) 2,4,5-Trichlorophenol	13.19	196	213437	41.507	nq	96
46) 1,1'-Biphenyl	13.52	154	625035	34.476	nq	98
47) 2-Chloronaphthalene	13.56	162	483094	34.882	nq	98
48) 2-Nitroaniline	13.75	65	184939	38.143	nq	96
49) Acenaphthylene	14.40	152	815230	37.573	nq	98
50) Dimethylphthalate	14.13	163	679763	37.620	nq	99
51) 2,6-Dinitrotoluene	14.25	165	149760	41.119	nq	95
52) Acenaphthene	14.74	154	592167	41.674	nq	98
53) 3-Nitroaniline	14.57	138	105737	25.251	nq	99
54) 2,4-Dinitrophenol	14.78	184	175687	91.030	nq	93
55) Dibenzofuran	15.08	168	777683	37.741	nq	99
56) 4-Nitrophenol	14.88	139	285606	89.371	nq	95
57) 2,4-Dinitrotoluene	15.03	165	215432	43.128	nq	99
58) Fluorene	15.73	166	643109	37.940	nq	99
59) 2,3,4,6-Tetrachlorophenol	15.31	232	209243m	44.198	nq	
60) Diethylphthalate	15.50	149	715924	37.988	nq	98
61) 4-Chlorophenyl-phenylether	15.73	204	352297	38.599	nq	98
62) 4-Nitroaniline	15.74	138	158674	35.537	nq	95
63) Azobenzene	16.01	77	702624	35.902	nq	99
65) 4,6-Dinitro-2-methylphenol	15.80	198	131193	51.319	nq	96
66) n-Nitrosodiphenylamine	15.93	169	594159	36.778	nq	99
67) 4-Bromophenyl-phenylether	16.62	248	243021	36.228	nq	95
68) Hexachlorobenzene	16.74	284	262777	36.108	nq	99
69) Atrazine	16.88	200	257835	43.562	nq	98
70) Pentachlorophenol	17.08	266	334621	83.566	nq	98
71) Phenanthrene	17.47	178	1063741	37.097	nq	98
72) Anthracene	17.56	178	1090113	38.554	nq	99
73) Carbazole	17.82	167	1018256	37.491	nq	99
74) Di-n-butylphthalate	18.39	149	1220822	36.977	nq	100
75) Fluoranthene	19.47	202	1281250	37.527	nq	99
77) Benzidine	19.65	184	463410	31.921	nq	99
78) Pyrene	19.84	202	1276804	38.916	nq	99
80) Butylbenzylphthalate	20.73	149	526163	36.048	nq	99
81) Benzo(a)anthracene	21.68	228	1187847	36.888	nq	99
82) 3,3'-Dichlorobenzidine	21.59	252	316047	25.370	nq	99
83) Chrysene	21.74	228	1135893	36.928	nq	99
84) Bis(2-ethylhexyl)phthalate	21.60	149	729355	36.206	nq	99
85) Di-n-octyl phthalate	22.82	149	1237862	36.721	nq	99
86) Indeno(1,2,3-cd)pyrene	28.56	276	1418079	35.165	nq	# 98
88) Benzo(b)fluoranthene	23.89	252	1236027	37.912	nq	100
89) Benzo(k)fluoranthene	23.96	252	1177967	38.180	nq	99
90) Benzo(a)pyrene	24.76	252	1120180	36.719	nq	95
91) Dibenzo(a,h)anthracene	28.63	278	1161499	38.593	nq	99
92) Benzo(g,h,i)perylene	29.70	276	1179374	38.786	nq	98

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.05 min Scan# 845

Delta R.T. 0.00 min

Lab File: BG044829.D

Acq: 17 Mar 2020 11:55

Instrument :

BNA_G

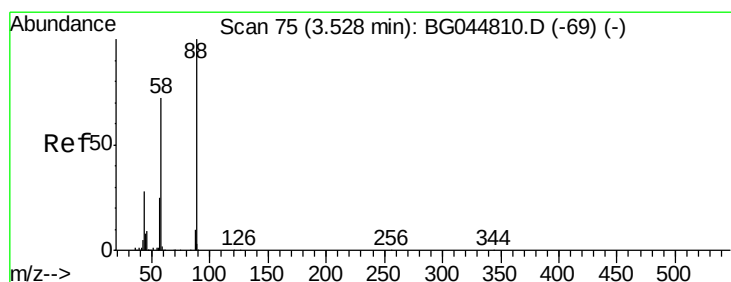
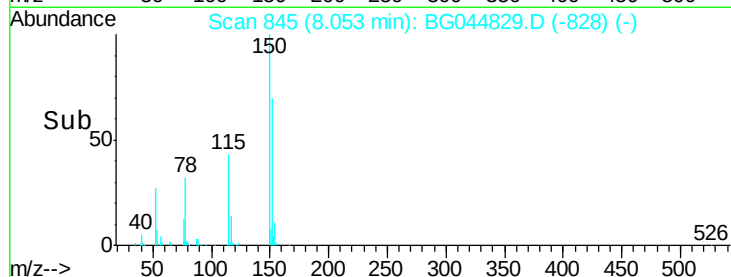
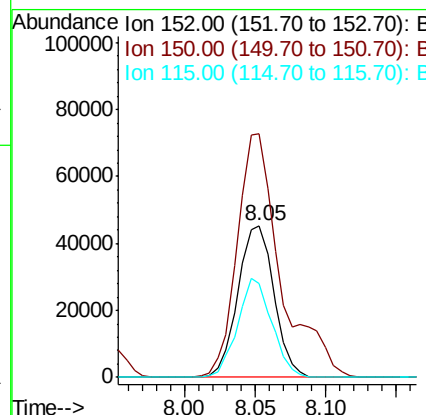
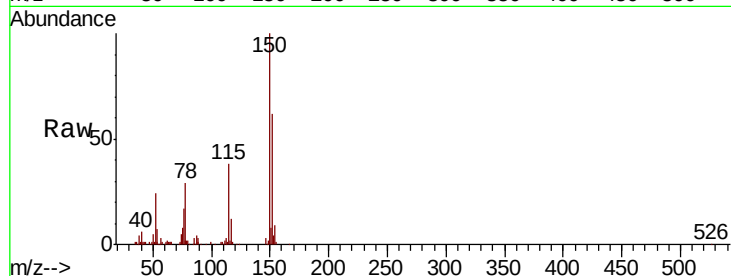
ClientSampleId :

PB127438BS

Tot Ion:	152	Resp:	81156
Ion Ratio	Lower	Upper	
152	100		
150	160.1	128.8	193.2
115	61.3	52.6	79.0

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#2

1,4-Dioxane

Concen: 35.658 ng

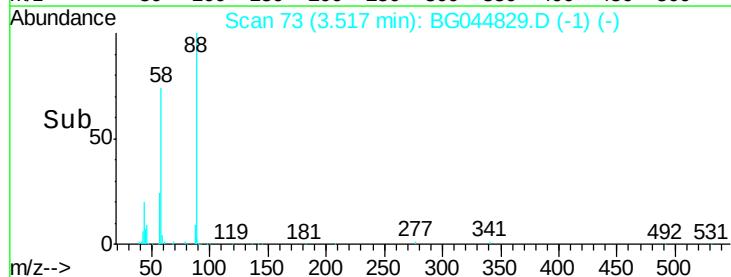
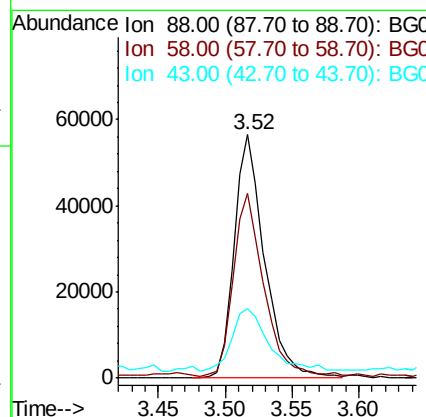
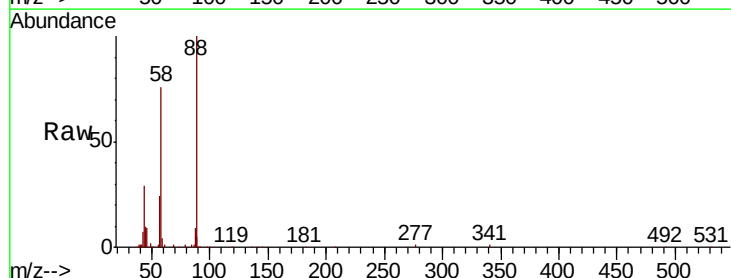
RT: 3.52 min Scan# 73

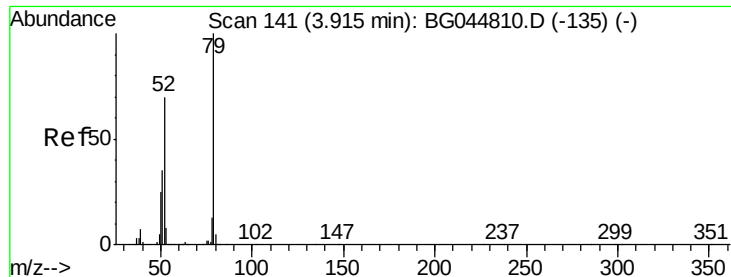
Delta R.T. -0.01 min

Lab File: BG044829.D

Acq: 17 Mar 2020 11:55

Tgt Ion:	88	Resp:	89519
Ion Ratio	Lower	Upper	
88	100		
58	75.6	63.0	94.4
43	31.0	24.8	37.2





#3

Pvridine

Concen: 29.338 ng

RT: 3.91 min Scan# 140

Delta R.T. -0.00 min

Lab File: BG044829.D

Acq: 17 Mar 2020 11:55

Instrument :

BNA_G

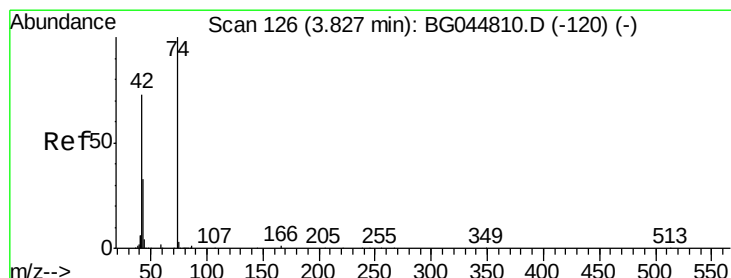
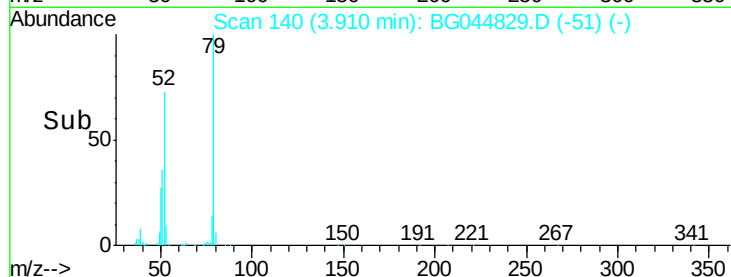
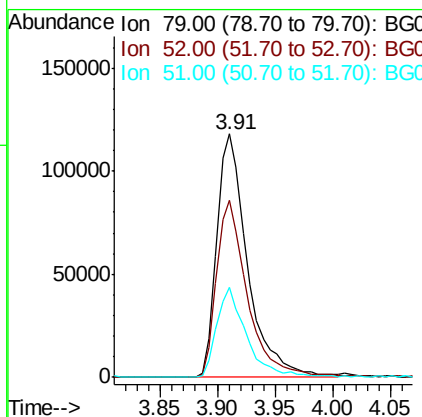
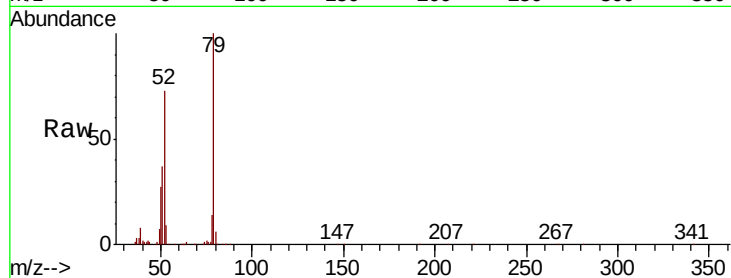
ClientSampleId :

PB127438BS

Tot Ion:	79	Resp:	218039
Ion	Ratio	Lower	Upper
79	100		
52	72.6	56.3	84.5
51	36.9	28.1	42.1

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#4

n-Nitrosodimethylamine

Concen: 37.246 ng

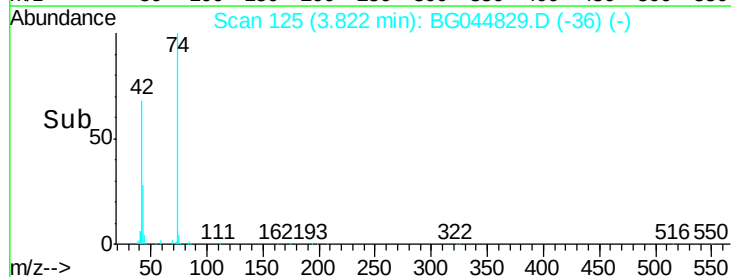
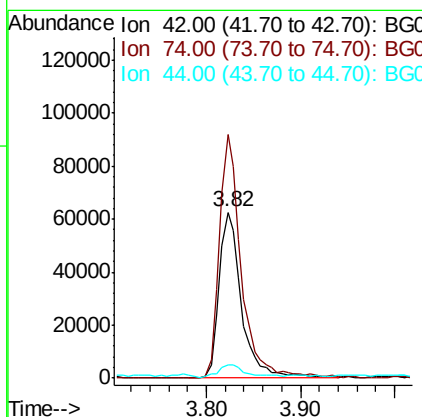
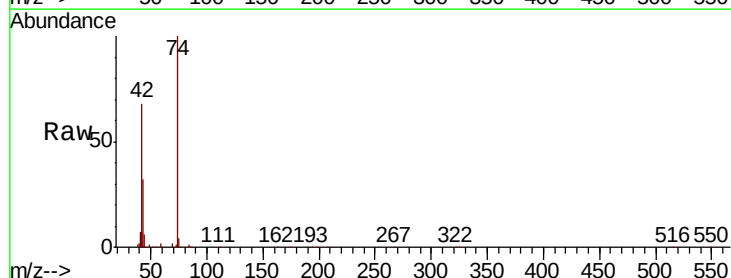
RT: 3.82 min Scan# 125

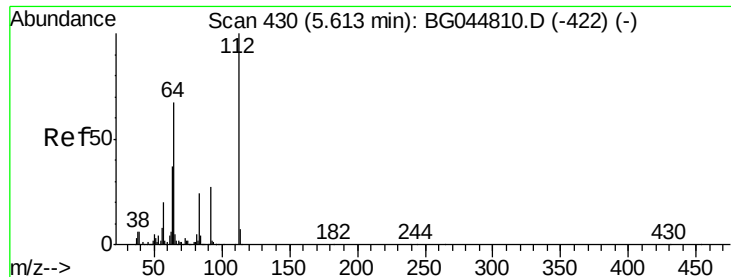
Delta R.T. -0.00 min

Lab File: BG044829.D

Acq: 17 Mar 2020 11:55

Tgt Ion:	42	Resp:	105028
Ion	Ratio	Lower	Upper
42	100		
74	147.0	109.1	163.7
44	8.3	5.4	8.2





#5

2-Fluorophenol

Concen: 110.932 ng

RT: 5.62 min Scan# 431

Delta R.T. 0.01 min

Lab File: BG044829.D

Acq: 17 Mar 2020 11:55

Instrument :

BNA_G

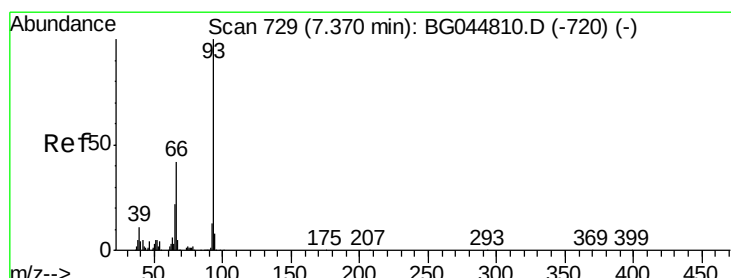
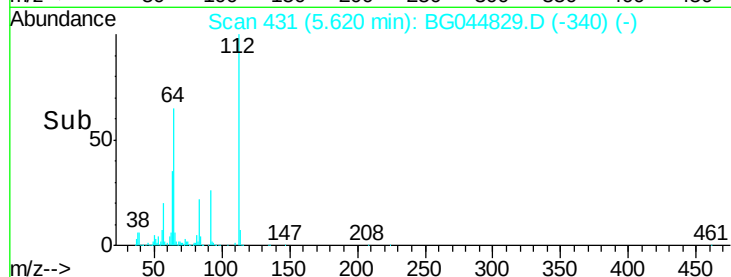
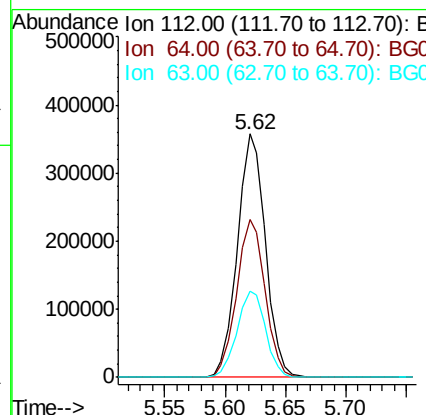
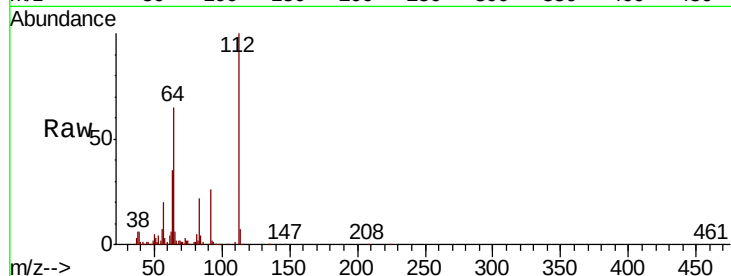
ClientSampleId :

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Tot Ion:	112	Resp:	578328
Ion Ratio	Lower	Upper	
112	100		
64	64.7	53.4	80.2
63	35.2	29.4	44.2

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#6

Aniline

Concen: 27.455 ng

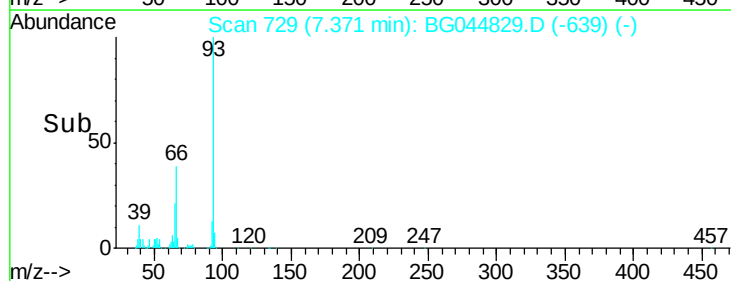
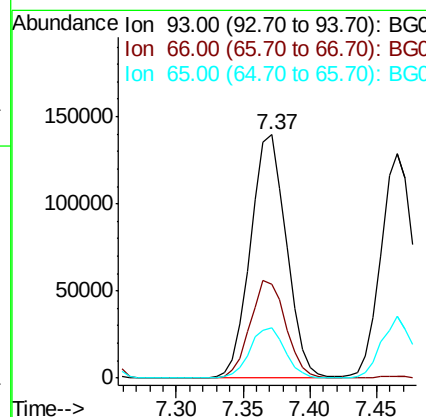
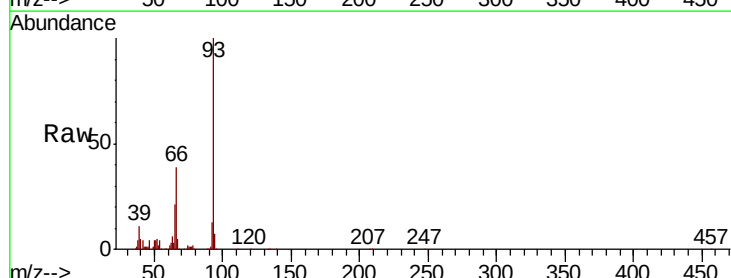
RT: 7.37 min Scan# 729

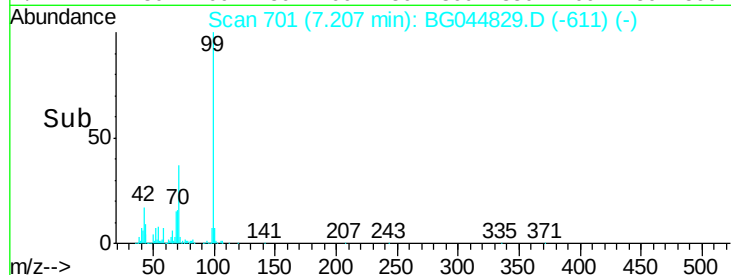
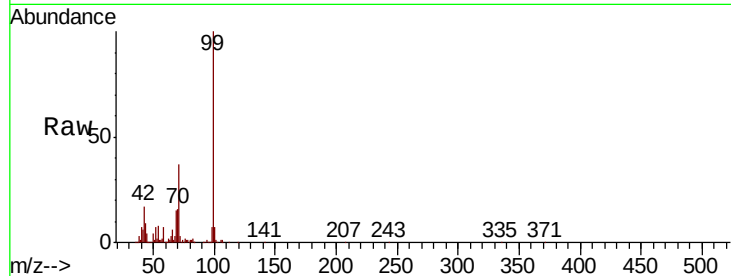
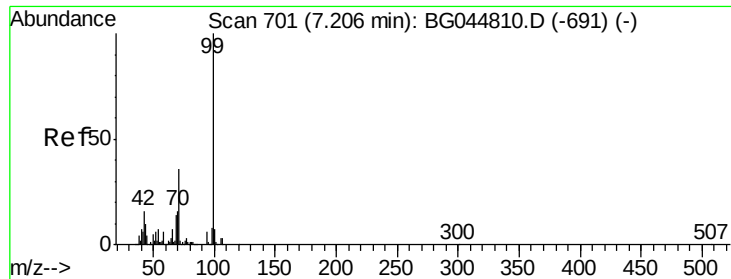
Delta R.T. 0.00 min

Lab File: BG044829.D

Acq: 17 Mar 2020 11:55

Tgt Ion:	93	Resp:	258774
Ion Ratio	Lower	Upper	
93	100		
66	38.7	33.7	50.5
65	20.9	17.7	26.5





#7

Phenol-d6

Concen: 106.709 ng

RT: 7.21 min Scan# 701

Delta R.T. 0.00 min

Lab File: BG044829.D

Acq: 17 Mar 2020 11:55

Tot Ion:	99	Resp:	808285
Ion Ratio	Lower	Upper	
99	100		
42	17.2	12.6	19.0
71	36.6	29.0	43.4

Instrument :

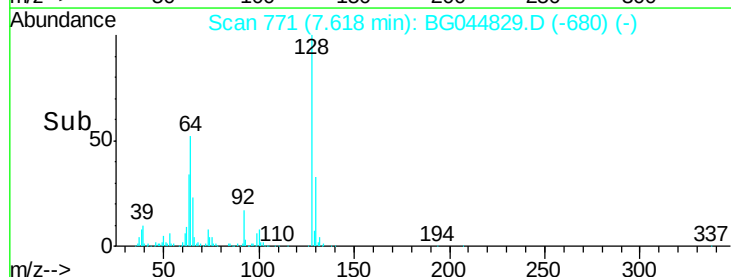
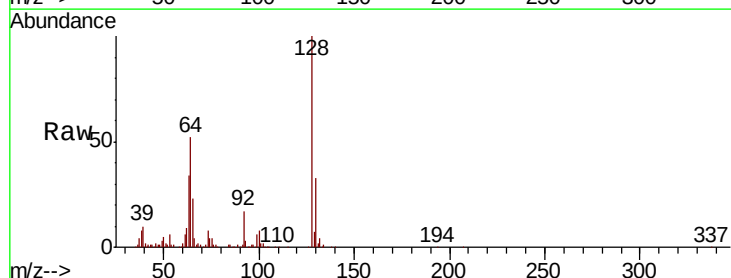
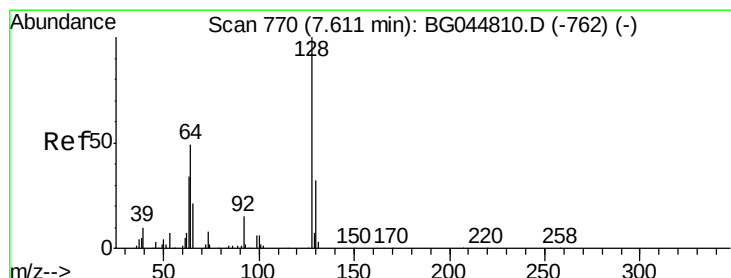
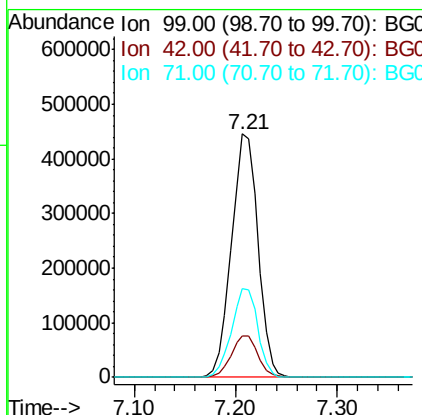
BNA_G

ClientSampleId :

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Manual Integrations
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#8

2-Chlorophenol

Concen: 40.154 ng

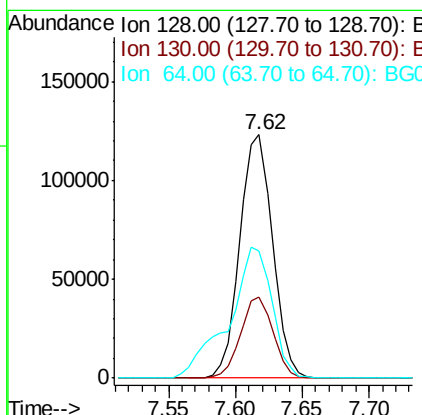
RT: 7.62 min Scan# 771

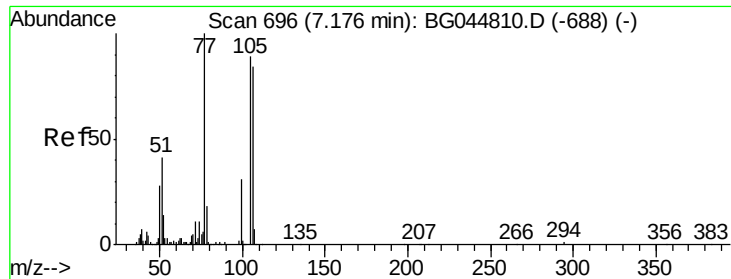
Delta R.T. 0.01 min

Lab File: BG044829.D

Acq: 17 Mar 2020 11:55

Tgt Ion:	128	Resp:	208973
Ion Ratio	Lower	Upper	
128	100		
130	33.1	11.6	51.6
64	52.4	34.5	74.5





#9

Benzaldehyde

Concen: 20.666 ng

RT: 7.18 min Scan# 696

Delta R.T. 0.00 min

Lab File: BG044829.D

Acq: 17 Mar 2020 11:55

Instrument :

BNA_G

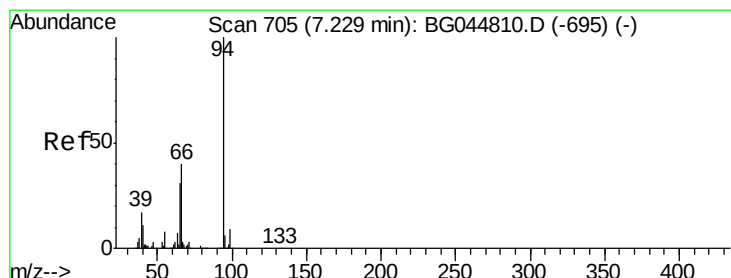
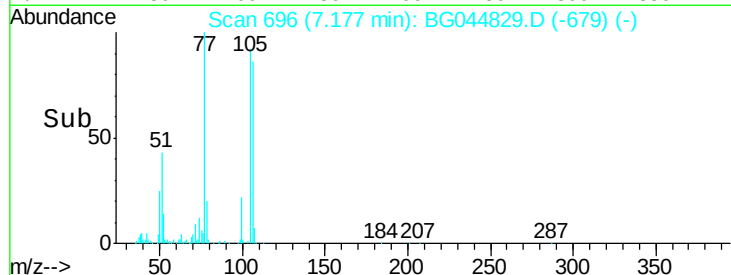
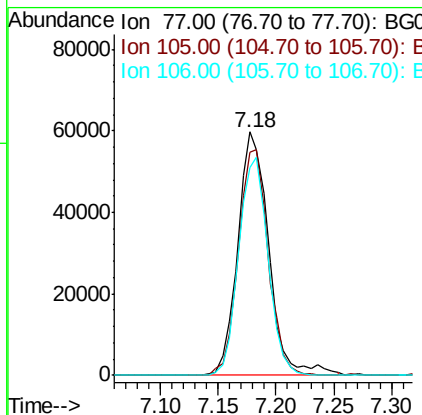
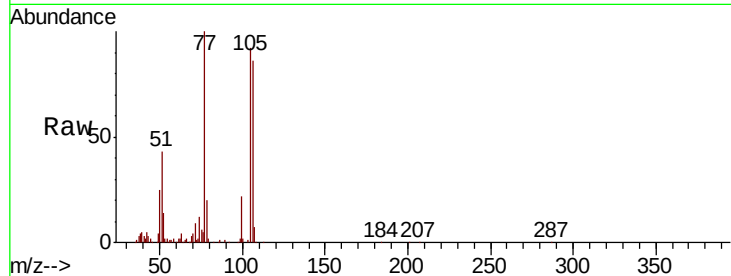
ClientSampleId :

PB127438BS

Tot Ion:	77	Resp:	111046
Ion Ratio	Lower	Upper	
77	100		
105	91.7	69.3	109.3
106	85.6	64.5	104.5

Manual Integrations
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#10

Phenol

Concen: 39.670 ng

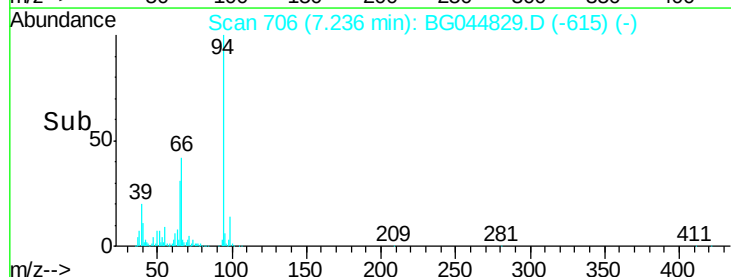
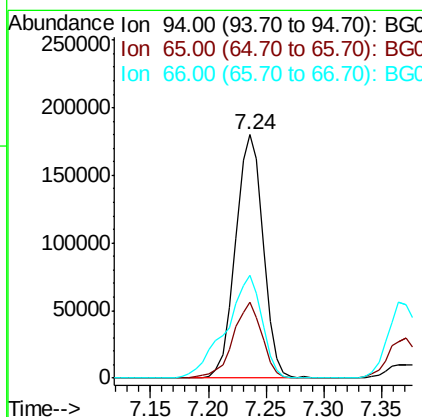
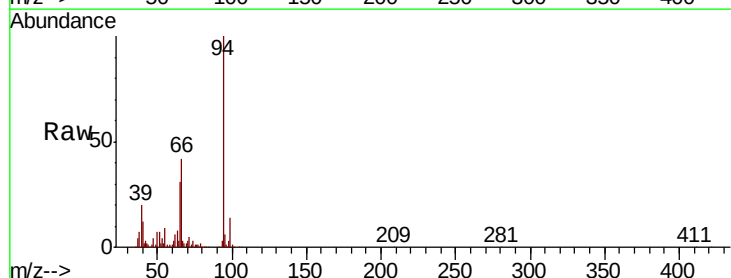
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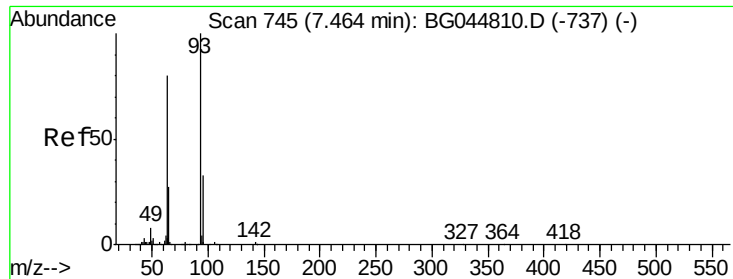
Delta R.T. 0.01 min

Lab File: BG044829.D

Acq: 17 Mar 2020 11:55

Tgt Ion:	94	Resp:	297490
Ion Ratio	Lower	Upper	
94	100		
65	31.0	11.0	51.0
66	42.2	20.1	60.1





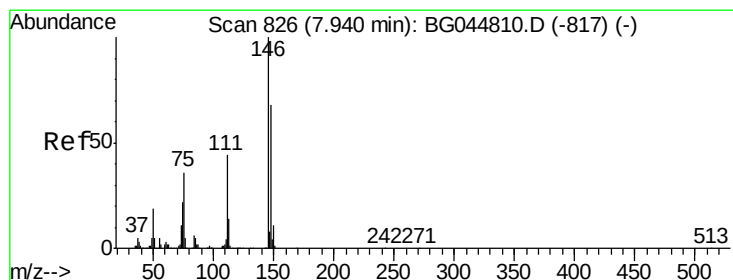
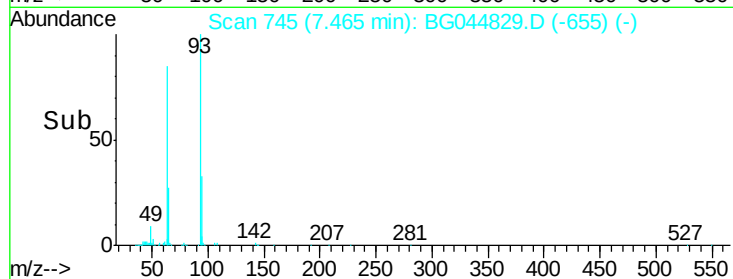
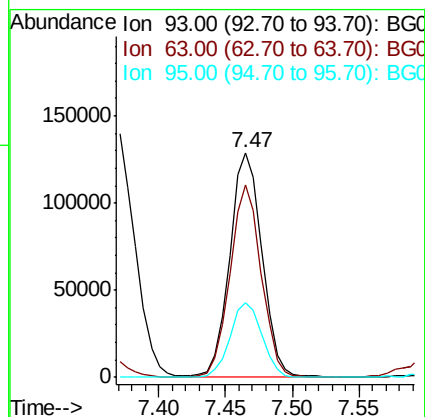
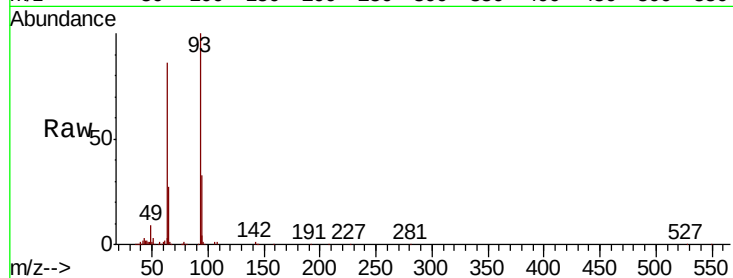
#11
bis(2-Chloroethyl)ether
Concen: 36.371 ng
RT: 7.47 min Scan# 745
Delta R.T. 0.00 min
Lab File: BG044829.D
Acq: 17 Mar 2020 11:55

Instrument :
BNA_G
ClientSampleId :
PB127438BS

Tot Ion	Ratio	Lower	Upper
93	100		
63	85.6	59.7	99.7
95	33.4	13.1	53.1

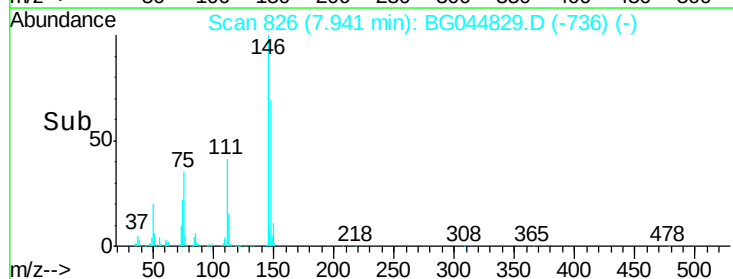
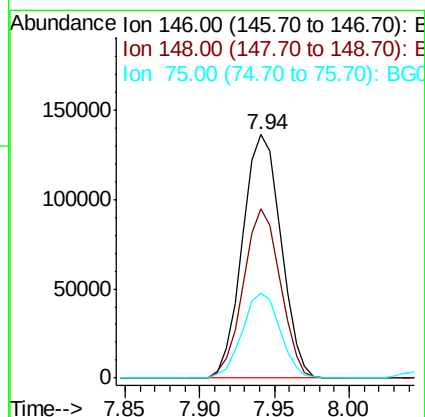
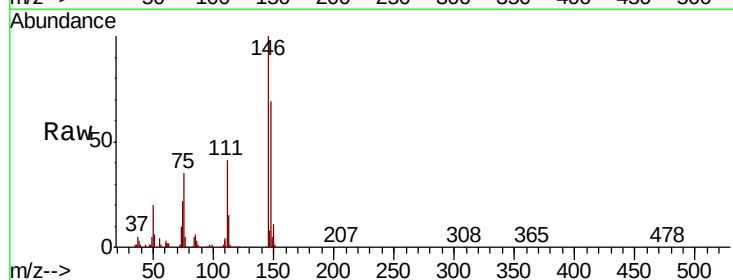
Manual Integrations
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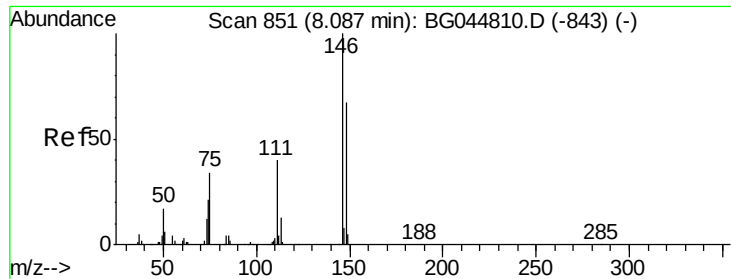
mohammad
3/18/2020 4:00:01 PM



#12
1,3-Dichlorobenzene
Concen: 38.019 ng
RT: 7.94 min Scan# 826
Delta R.T. 0.00 min
Lab File: BG044829.D
Acq: 17 Mar 2020 11:55

Tgt Ion	Ratio	Lower	Upper
146	100		
148	69.3	54.2	81.4
75	34.8	28.6	42.8





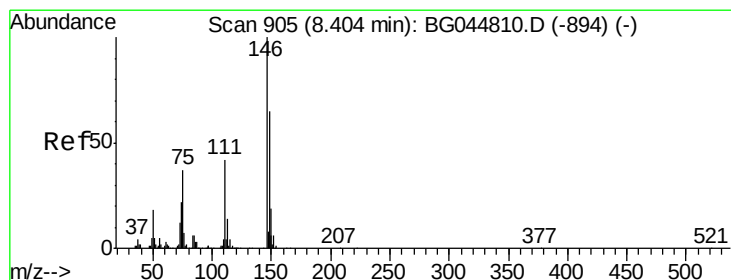
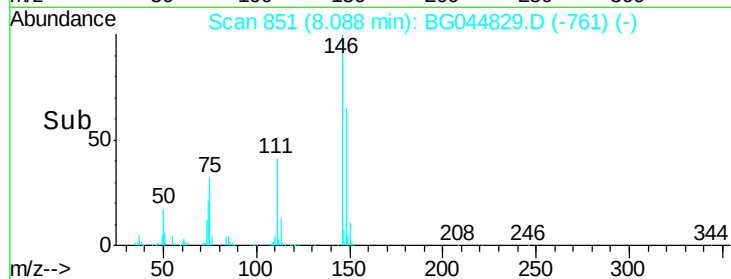
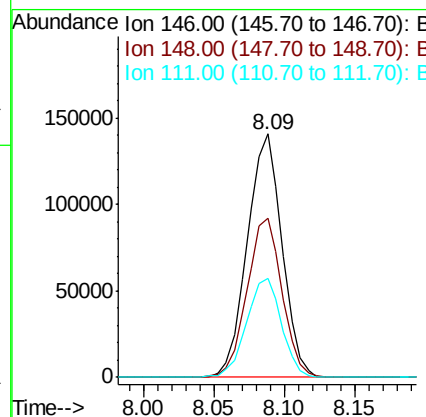
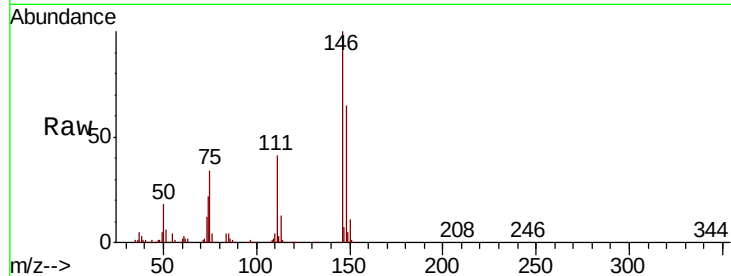
#13
 1,4-Dichlorobenzene
 Concen: 38.288 ng
 RT: 8.09 min Scan# 851
 Delta R.T. 0.00 min
 Lab File: BG044829.D
 Acq: 17 Mar 2020 11:55

Instrument :
 BNA_G
 ClientSampleId :
 PB127438BS

Tot Ion	Ratio	Lower	Upper
146	100		
148	65.3	53.8	80.6
111	40.6	32.0	48.0

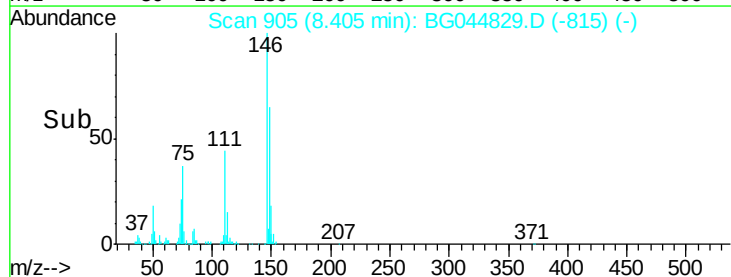
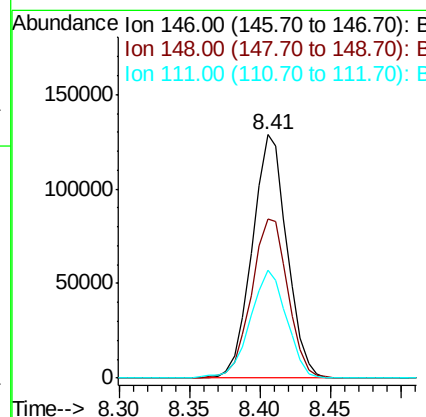
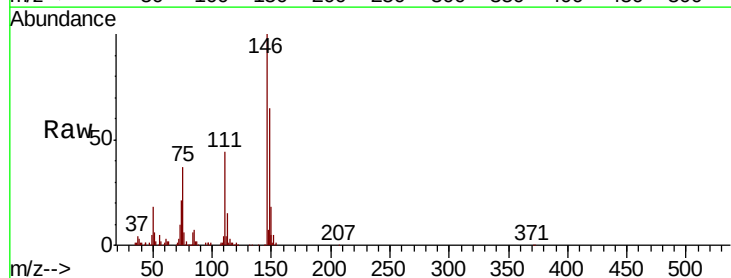
Manual Integrations
 APPROVED

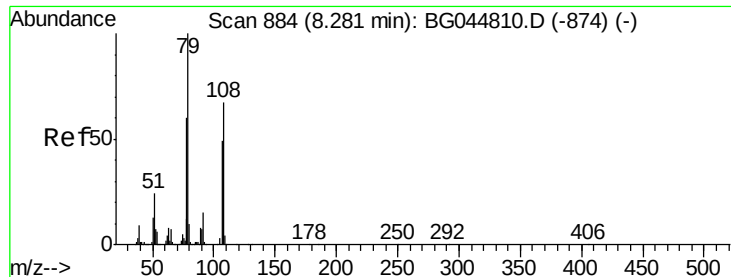
mohammad
 3/18/2020 4:00:01 PM



#14
 1,2-Dichlorobenzene
 Concen: 37.023 ng
 RT: 8.41 min Scan# 905
 Delta R.T. 0.00 min
 Lab File: BG044829.D
 Acq: 17 Mar 2020 11:55

Tgt Ion	Ratio	Lower	Upper
146	100		
148	65.3	52.1	78.1
111	44.4	33.4	50.2





#15

Benzyl Alcohol

Concen: 36.823 ng

RT: 8.28 min Scan# 884

Delta R.T. 0.00 min

Lab File: BG044829.D

Acq: 17 Mar 2020 11:55

Instrument :

BNA_G

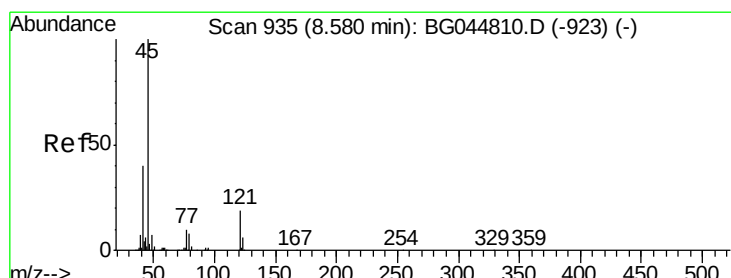
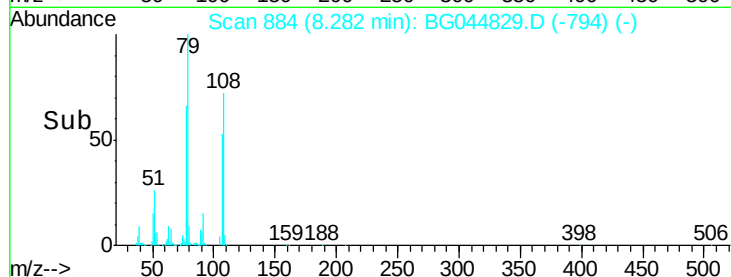
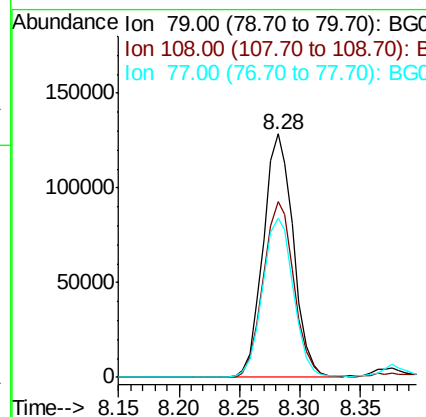
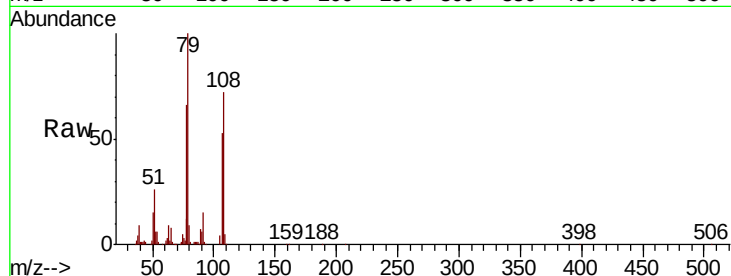
ClientSampleId :

PB127438BS

Tot Ion:	79	Resp:	223793
Ion Ratio	Lower	Upper	
79	100		
108	72.0	53.8	80.8
77	65.6	47.8	71.8

Manual Integrations
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mohammad
3/18/2020 4:00:01 PM



#16

2,2'-oxybis(1-chloropropane)

Concen: 30.299 ng

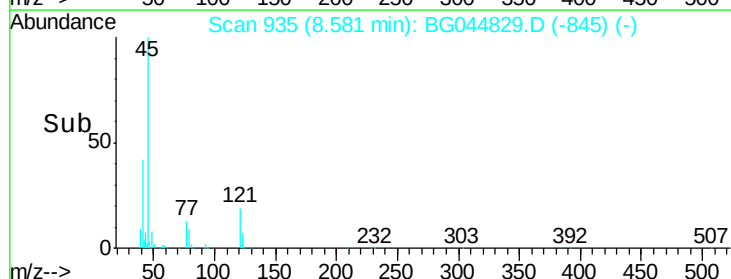
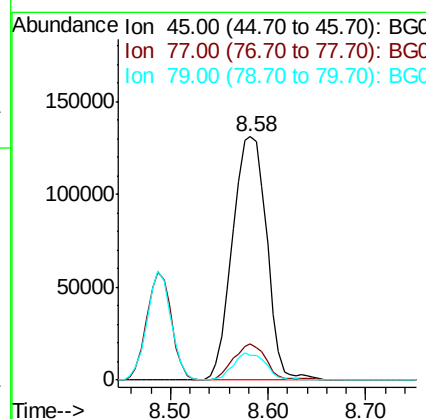
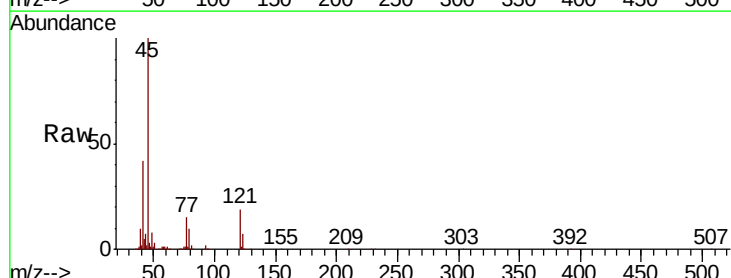
RT: 8.58 min Scan# 935

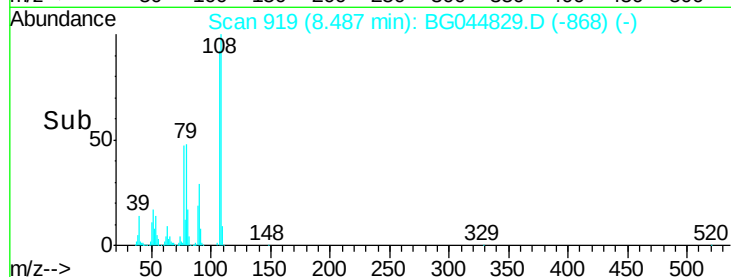
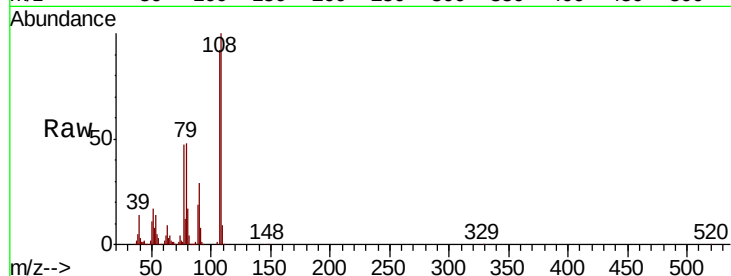
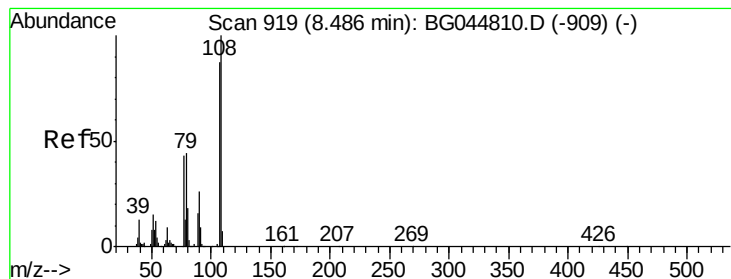
Delta R.T. 0.00 min

Lab File: BG044829.D

Acq: 17 Mar 2020 11:55

Tgt Ion:	45	Resp:	320009
Ion Ratio	Lower	Upper	
45	100		
77	14.7	0.0	33.9
79	10.1	0.0	30.8





#17

2-Methylphenol

Concen: 39.195 ng

RT: 8.49 min Scan# 919

Delta R.T. 0.00 min

Lab File: BG044829.D

Acq: 17 Mar 2020 11:55

Tot Ion	Ratio	Resp	Lower	Upper
107	100	199101		
108	108.3	91.8	137.8	
77	51.2	40.0	60.0	
79	51.7	40.2	60.2	

Instrument :

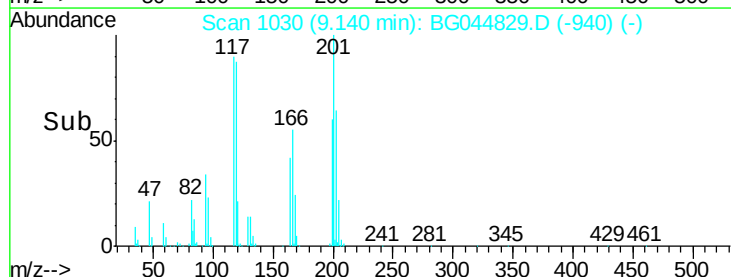
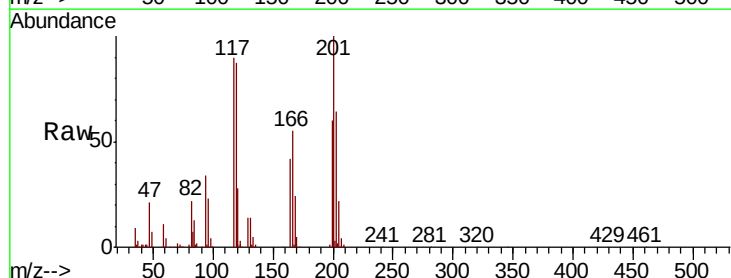
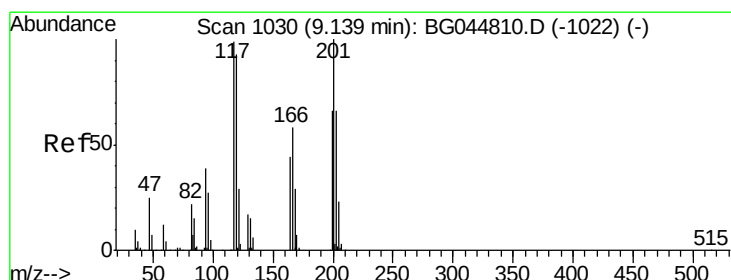
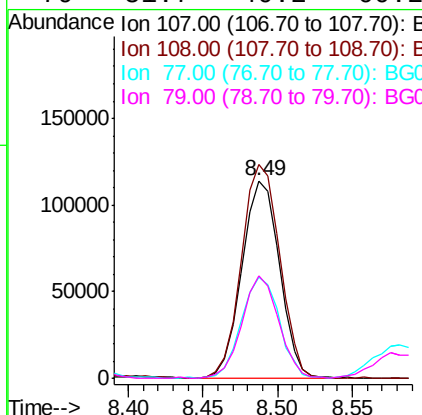
BNA_G

ClientSampleId :

PB127438BS

Manual Integrations
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#18

Hexachloroethane

Concen: 38.041 ng

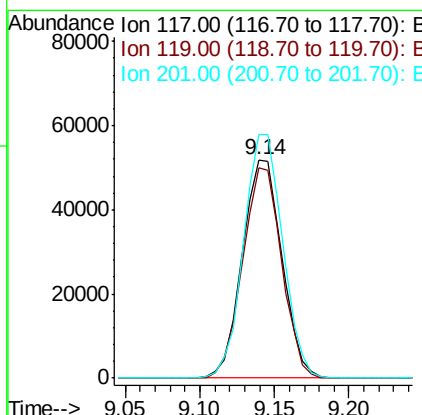
RT: 9.14 min Scan# 1030

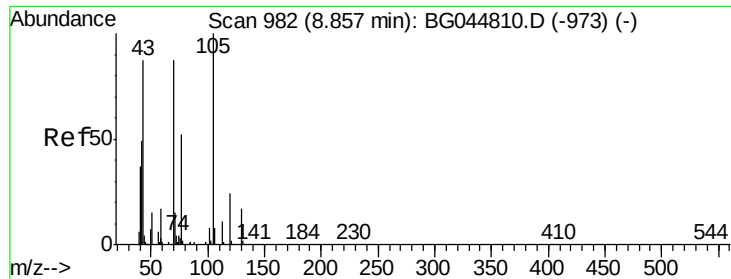
Delta R.T. 0.00 min

Lab File: BG044829.D

Acq: 17 Mar 2020 11:55

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	94921		
119	96.7	75.2	112.8	
201	111.5	81.1	121.7	





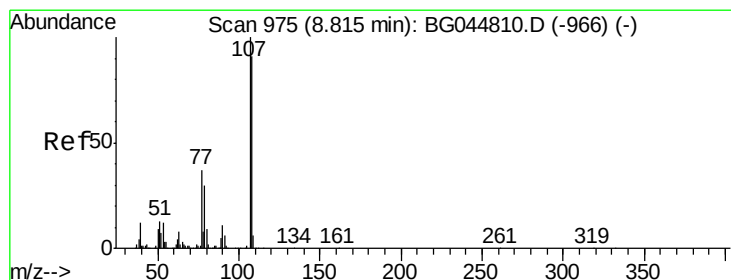
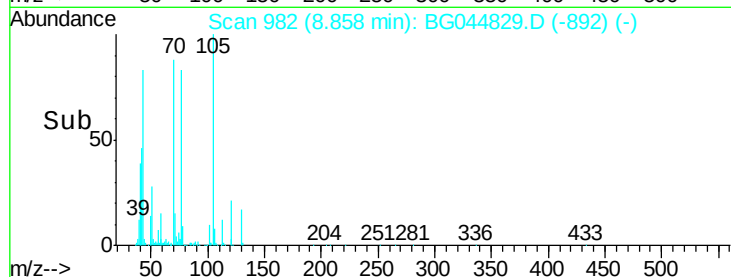
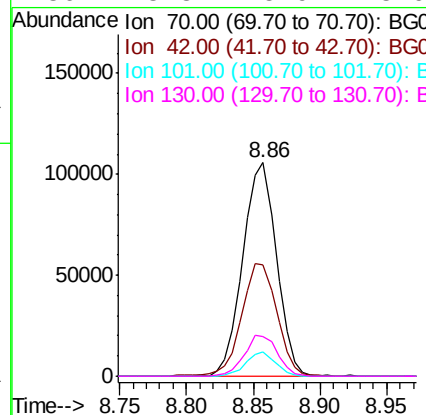
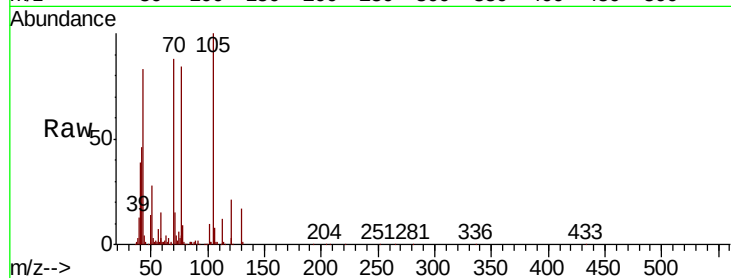
#19
n-Nitroso-di-n-propylamine
Concen: 34.576 ng
RT: 8.86 min Scan# 982
Delta R.T. 0.00 min
Lab File: BG044829.D
Acq: 17 Mar 2020 11:55

Instrument :
BNA_G
ClientSampleId :
PB127438BS

Tot Ion	Ratio	Lower	Upper
70	100		
42	52.4	45.7	68.5
101	11.6	7.4	11.2#
130	18.8	15.9	23.9

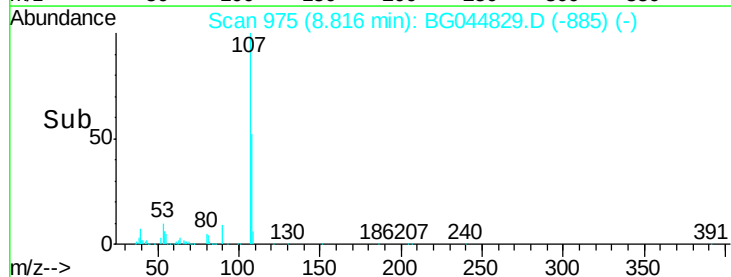
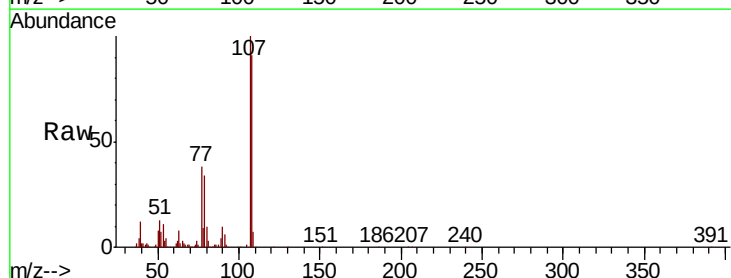
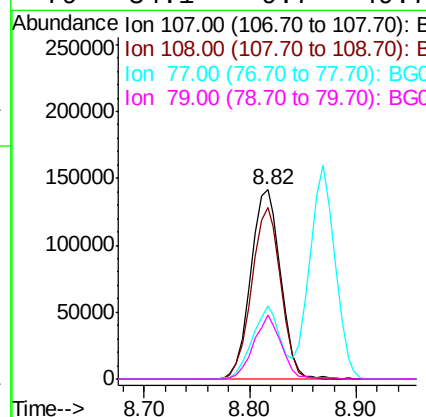
Manual Integrations
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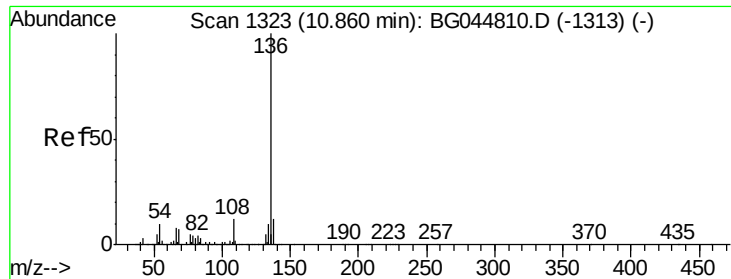
mohammad
3/18/2020 4:00:01 PM



#20
3+4-Methylphenols
Concen: 39.687 ng
RT: 8.82 min Scan# 975
Delta R.T. 0.00 min
Lab File: BG044829.D
Acq: 17 Mar 2020 11:55

Tgt Ion	Ratio	Lower	Upper
107	100		
108	90.9	71.3	111.3
77	38.3	16.9	56.9
79	34.1	9.7	49.7





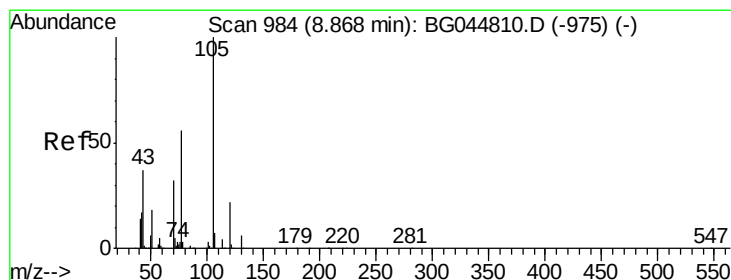
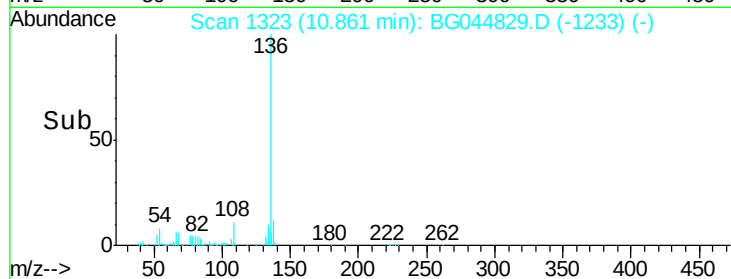
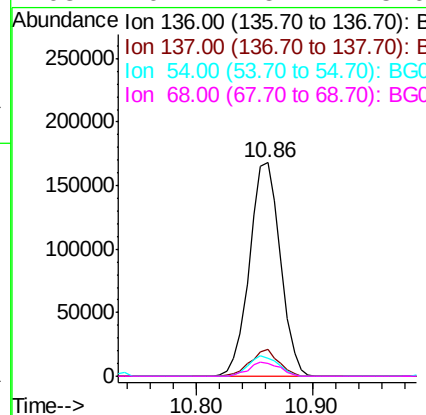
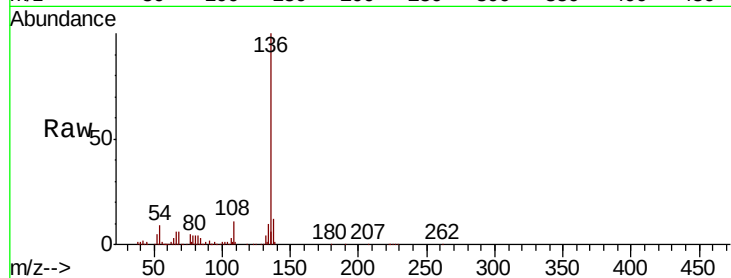
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1323
Delta R.T. 0.00 min
Lab File: BG044829.D
Acq: 17 Mar 2020 11:55

Instrument :
BNA_G
ClientSampleId :
PB127438BS

Tot Ion	Ratio	Resp	Lower	Upper
136	100	311832		
137	12.3		9.8	14.6
54	8.6		7.9	11.9
68	6.1		5.4	8.0

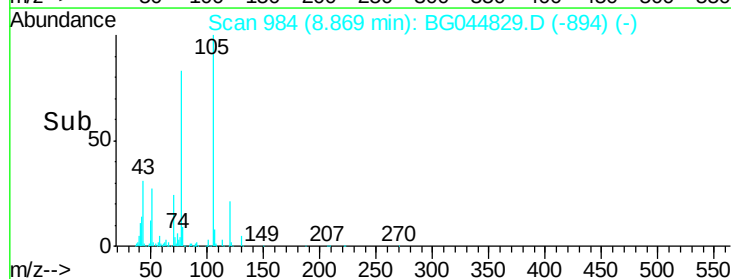
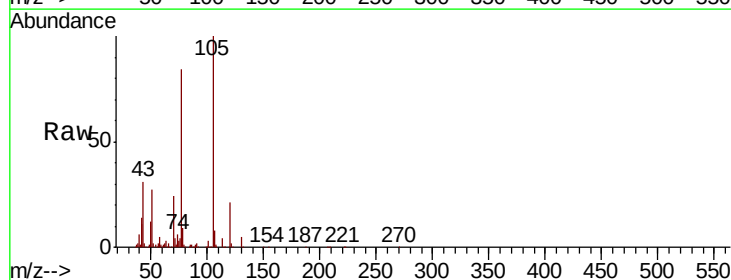
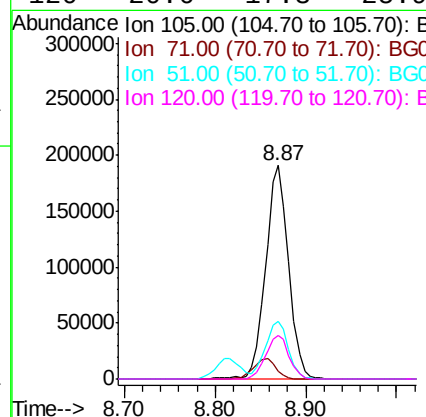
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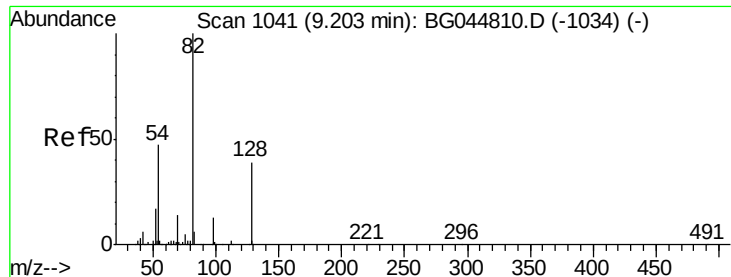
mohammad
3/18/2020 4:00:01 PM



#22
Acetophenone
Concen: 37.812 ng
RT: 8.87 min Scan# 984
Delta R.T. 0.00 min
Lab File: BG044829.D
Acq: 17 Mar 2020 11:55

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	334041		
71	3.9		3.9	5.9#
51	27.2		22.6	33.8
120	20.6		17.3	25.9





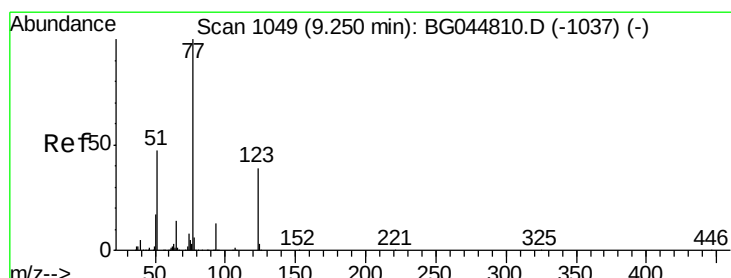
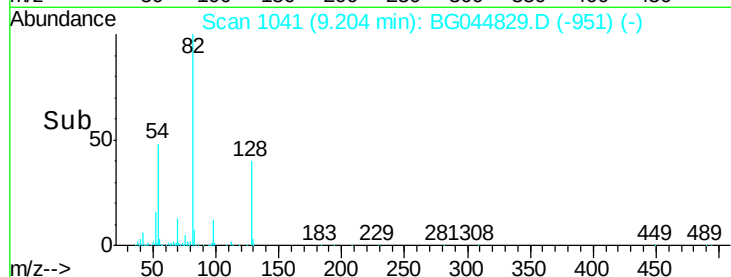
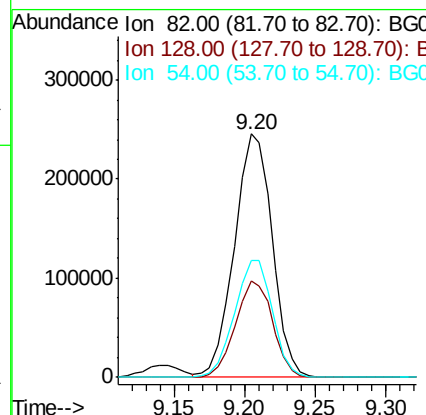
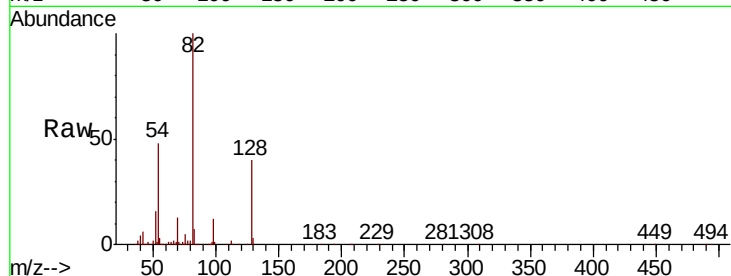
#23
Nitrobenzene-d5
Concen: 64.696 ng
RT: 9.20 min Scan# 1041
Delta R.T. 0.00 min
Lab File: BG044829.D
Acq: 17 Mar 2020 11:55

Instrument :
BNA_G
ClientSampleId :
PB127438BS

Tot Ion	Ratio	Lower	Upper
82	100		
128	39.6	30.6	46.0
54	48.1	37.1	55.7

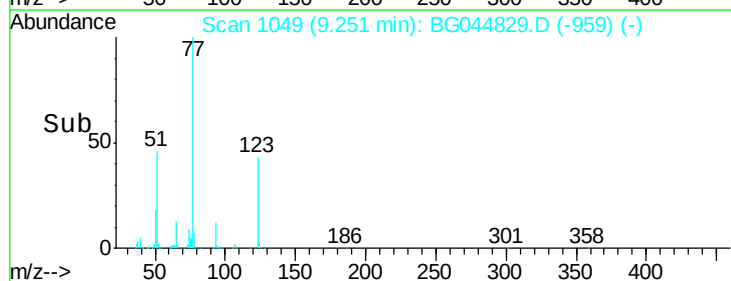
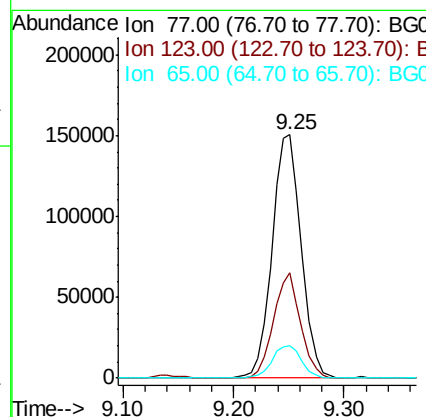
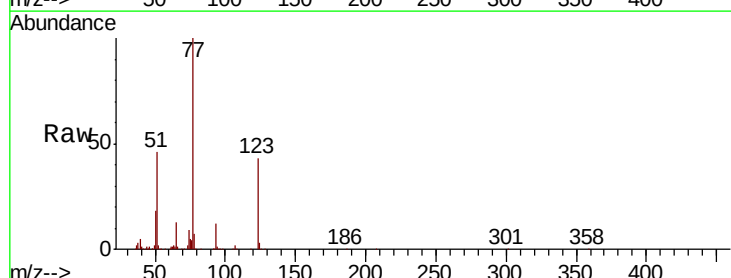
Manual Integrations
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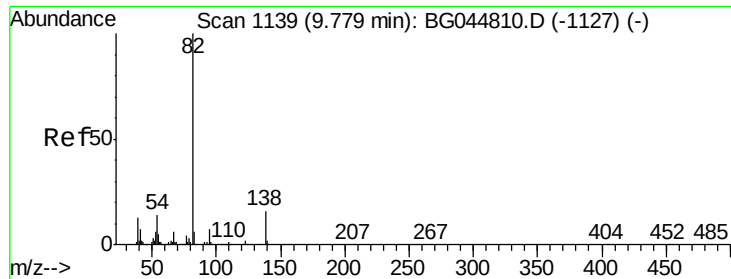
mohammad
3/18/2020 4:00:01 PM



#24
Nitrobenzene
Concen: 37.447 ng
RT: 9.25 min Scan# 1049
Delta R.T. 0.00 min
Lab File: BG044829.D
Acq: 17 Mar 2020 11:55

Tgt Ion	Ratio	Lower	Upper
77	100		
123	43.4	31.3	46.9
65	13.3	11.4	17.0





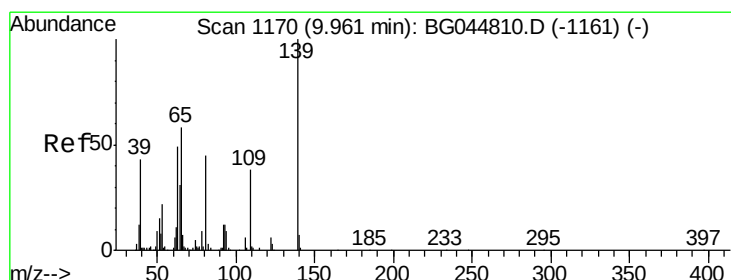
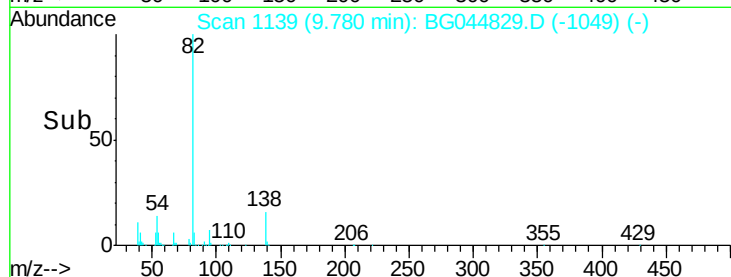
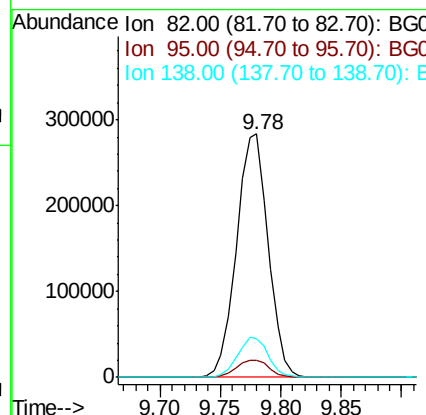
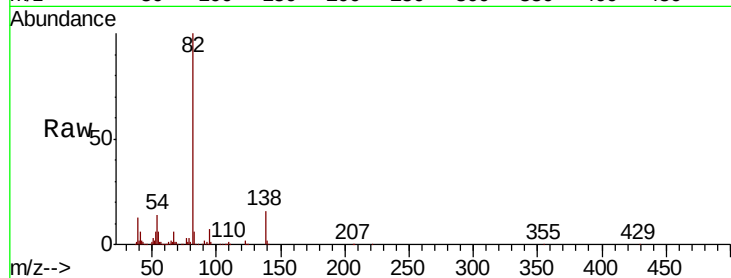
#25
Isophorone
Concen: 37.298 ng
RT: 9.78 min Scan# 1139
Delta R.T. 0.00 min
Lab File: BG044829.D
Acq: 17 Mar 2020 11:55

Instrument :
BNA_G
ClientSampleId :
PB127438BS

Tot Ion	Ratio	Lower	Upper
82	100		
95	7.2	5.5	8.3
138	15.9	12.5	18.7

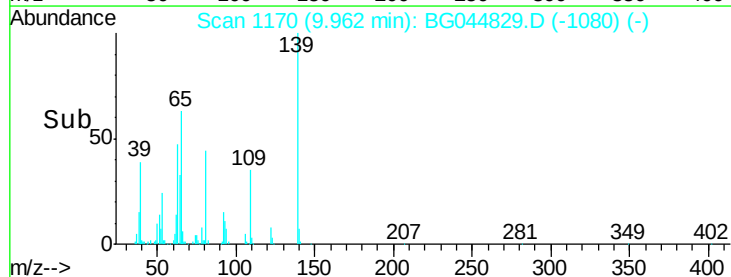
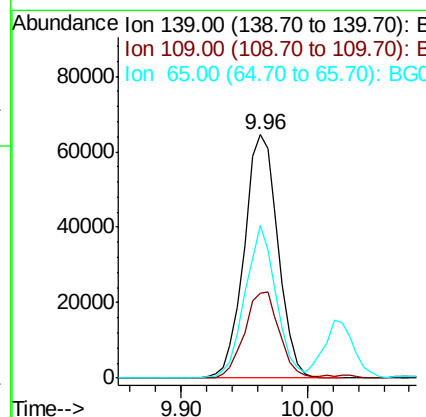
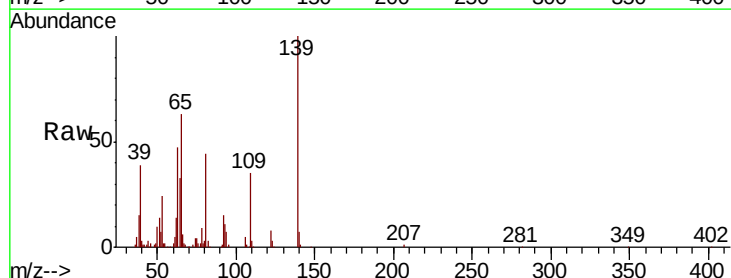
Manual Integrations
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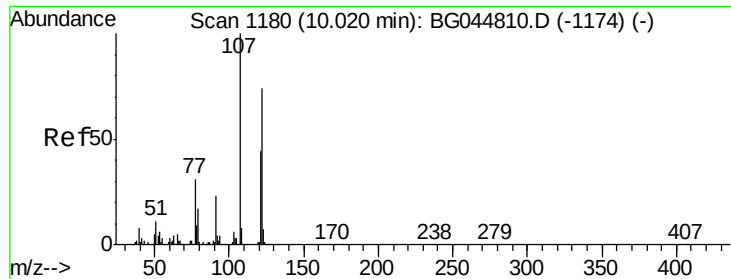
mohammad
3/18/2020 4:00:01 PM



#26
2-Nitrophenol
Concen: 46.747 ng
RT: 9.96 min Scan# 1170
Delta R.T. 0.00 min
Lab File: BG044829.D
Acq: 17 Mar 2020 11:55

Tgt Ion	Ratio	Lower	Upper
139	100		
109	34.9	30.2	45.4
65	63.0	46.3	69.5





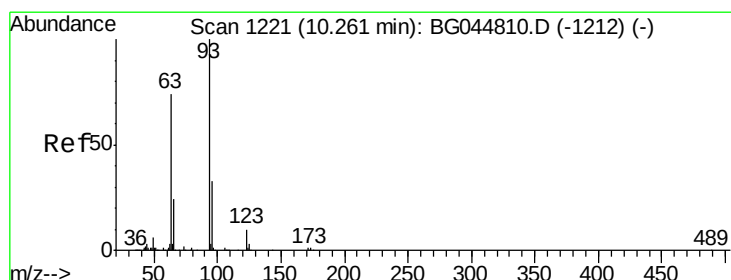
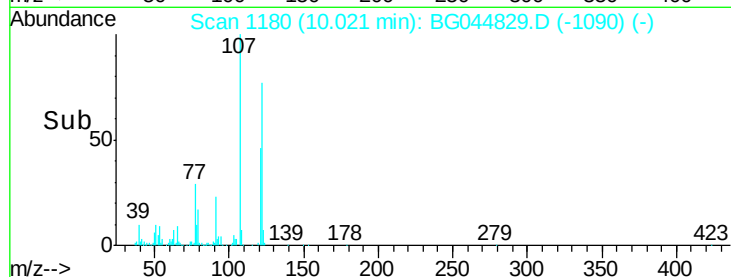
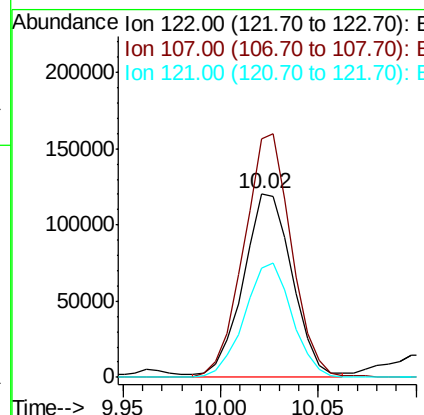
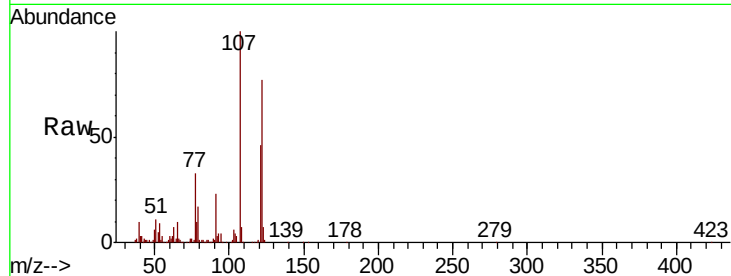
#27
2,4-Dimethylphenol
Concen: 46.166 ng
RT: 10.02 min Scan# 1180
Delta R.T. 0.00 min
Lab File: BG044829.D
Acq: 17 Mar 2020 11:55

Instrument :
BNA_G
ClientSampleId :
PB127438BS

Tot Ion	Ratio	Lower	Upper
122	100		
107	129.9	107.1	160.7
121	59.8	46.8	70.2

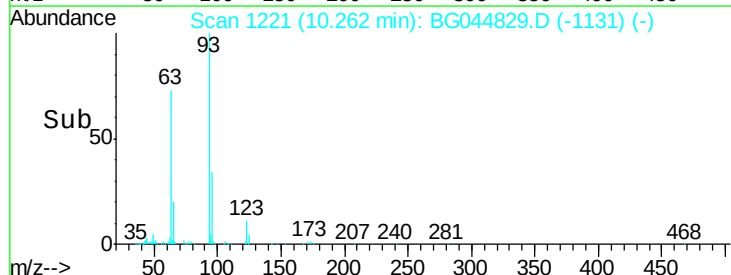
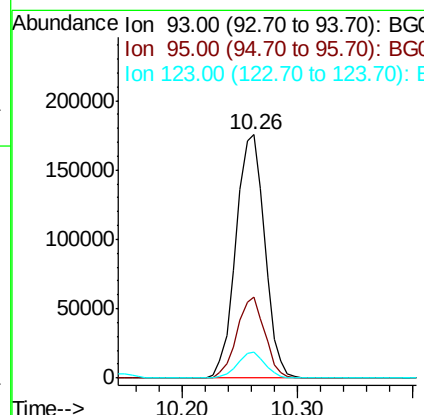
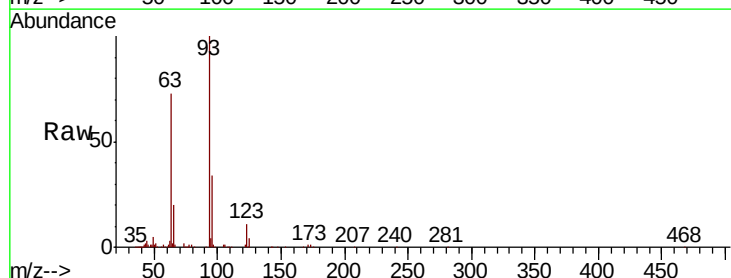
Manual Integrations
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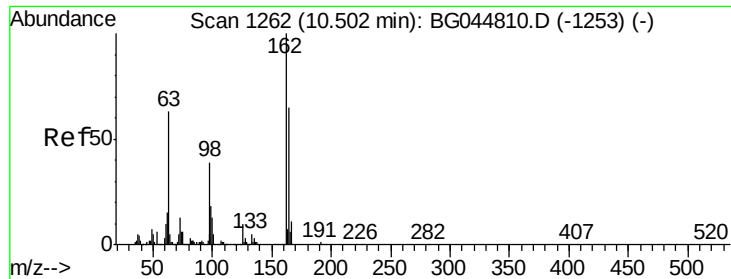
mohammad
3/18/2020 4:00:01 PM



#28
bis(2-Chloroethoxy)methane
Concen: 36.707 ng
RT: 10.26 min Scan# 1221
Delta R.T. 0.00 min
Lab File: BG044829.D
Acq: 17 Mar 2020 11:55

Tgt Ion	Ratio	Lower	Upper
93	100		
95	33.5	26.4	39.6
123	10.6	8.4	12.6





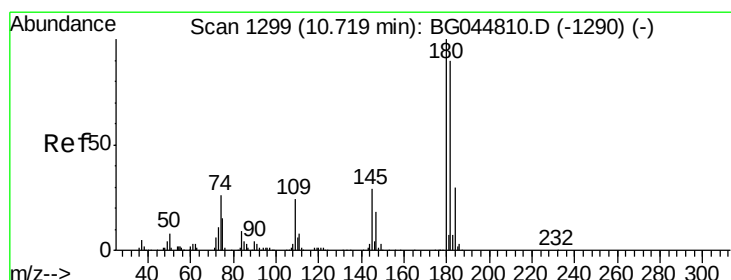
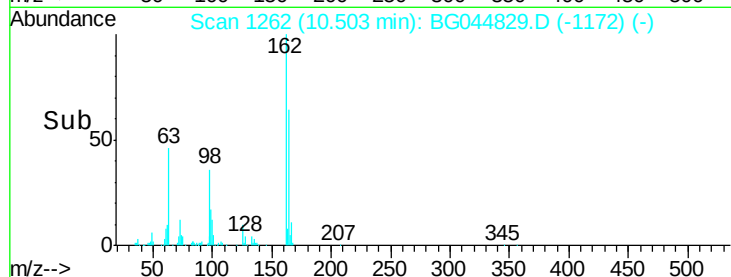
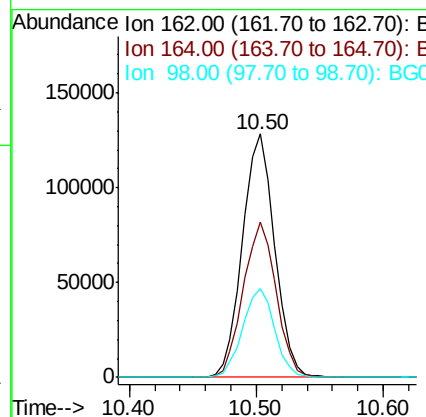
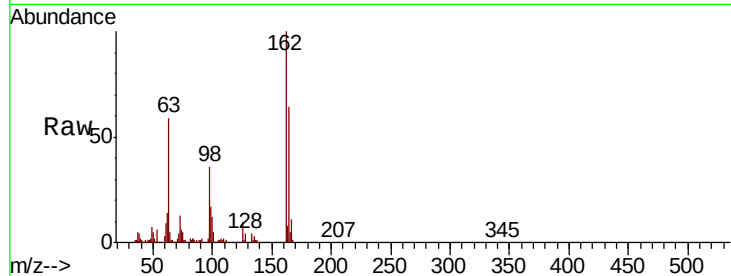
#29
2,4-Dichlorophenol
Concen: 42.871 ng
RT: 10.50 min Scan# 1262
Delta R.T. 0.00 min
Lab File: BG044829.D
Acq: 17 Mar 2020 11:55

Instrument :
BNA_G
ClientSampleId :
PB127438BS

Tot Ion	Ratio	Resp Lower	Resp Upper
162	100		
164	63.9	45.2	85.2
98	36.4	19.0	59.0

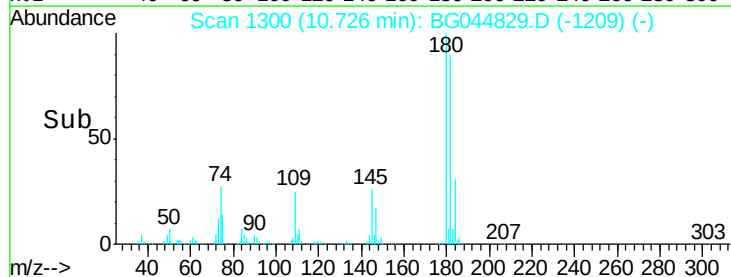
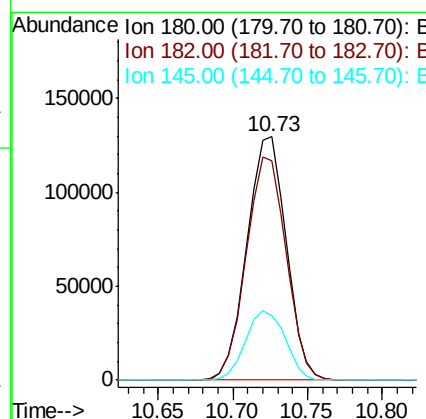
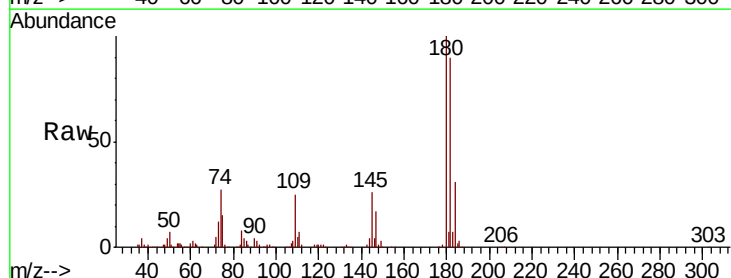
Manual Integrations
APPROVED

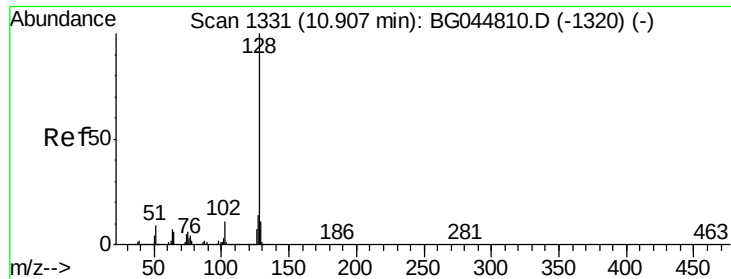
mohammad
3/18/2020 4:00:01 PM



#30
1,2,4-Trichlorobenzene
Concen: 37.455 ng
RT: 10.73 min Scan# 1300
Delta R.T. 0.01 min
Lab File: BG044829.D
Acq: 17 Mar 2020 11:55

Tgt Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	90.1	71.6	107.4
145	26.3	23.4	35.0





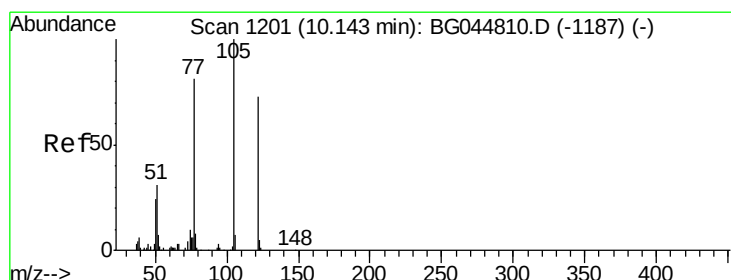
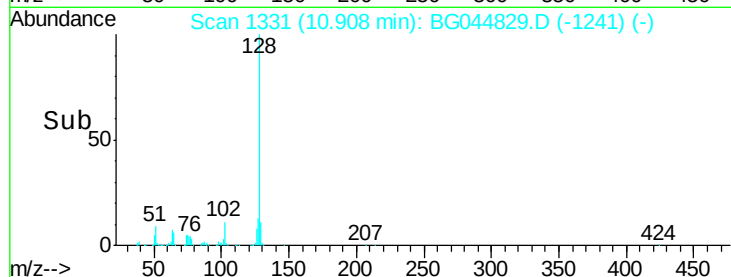
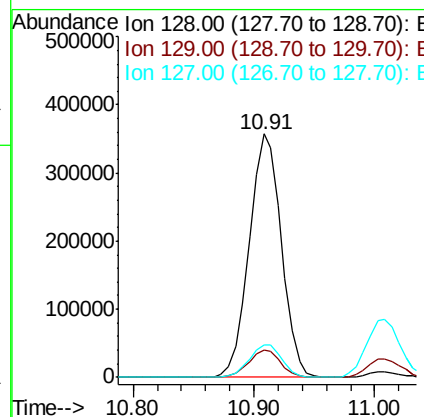
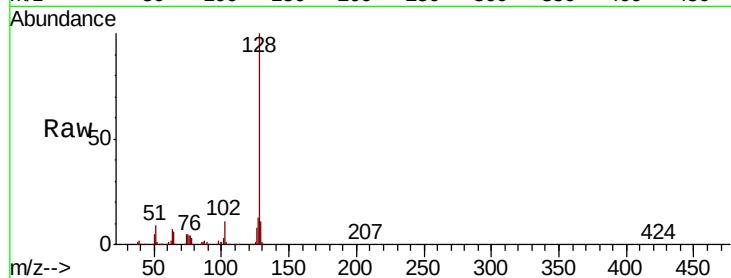
#31
Naphthalene
Concen: 38.229 ng
RT: 10.91 min Scan# 1331
Delta R.T. 0.00 min
Lab File: BG044829.D
Acq: 17 Mar 2020 11:55

Instrument :
BNA_G
ClientSampleId :
PB127438BS

Tot Ion	Ratio	Resp	Lower	Upper
128	100			
129	11.2	9.0	13.4	
127	13.3	10.8	16.2	

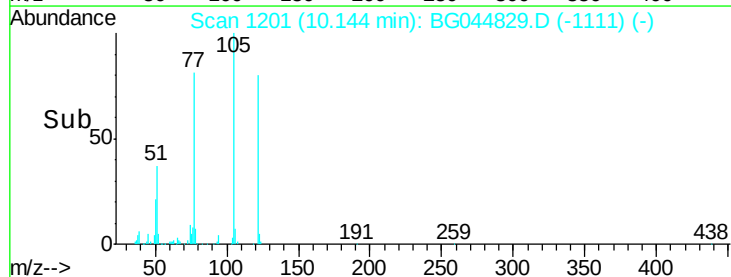
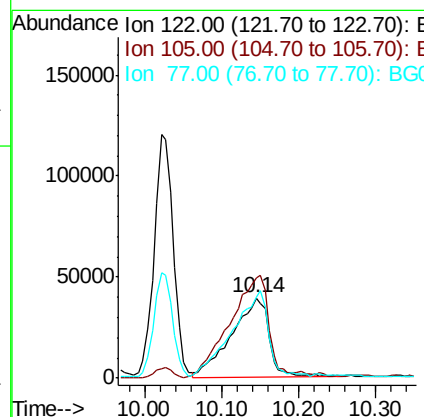
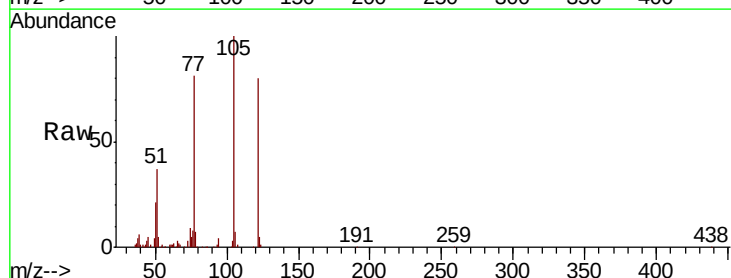
Manual Integrations
APPROVED

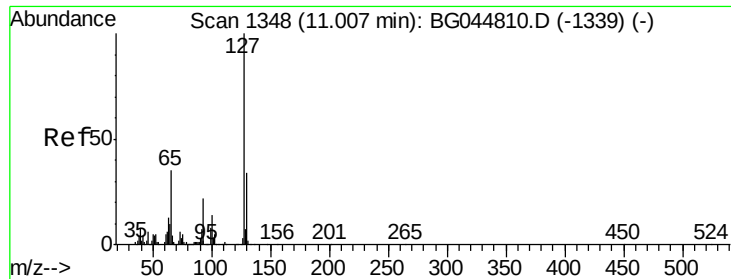
mohammad
3/18/2020 4:00:01 PM



#32
Benzoic acid
Concen: 39.962 ng
RT: 10.14 min Scan# 1201
Delta R.T. 0.00 min
Lab File: BG044829.D
Acq: 17 Mar 2020 11:55

Tgt Ion	Ratio	Resp	Lower	Upper
122	100			
105	125.4	109.1	149.1	
77	101.4	85.3	125.3	





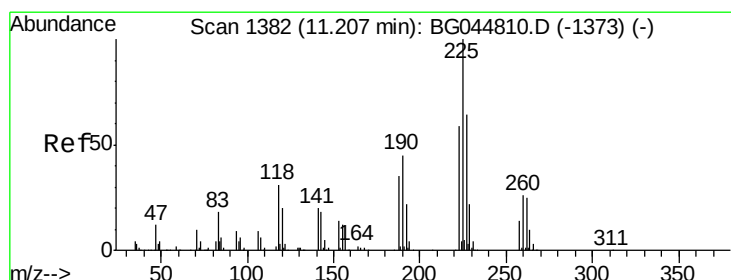
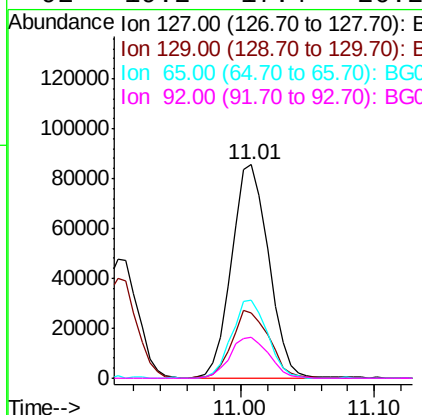
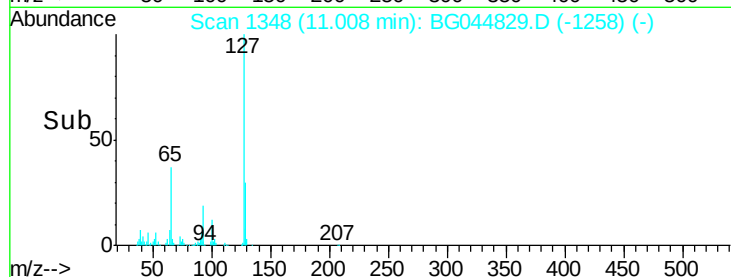
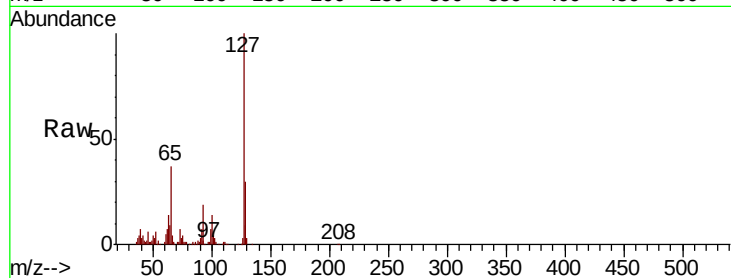
#33
4-Chloroaniline
Concen: 21.244 ng
RT: 11.01 min Scan# 1348
Delta R.T. 0.00 min
Lab File: BG044829.D
Acq: 17 Mar 2020 11:55

Instrument :
BNA_G
ClientSampleId :
PB127438BS

Tot Ion	Ratio	Lower	Upper
127	100		
129	30.4	26.9	40.3
65	36.8	27.7	41.5
92	19.2	17.4	26.2

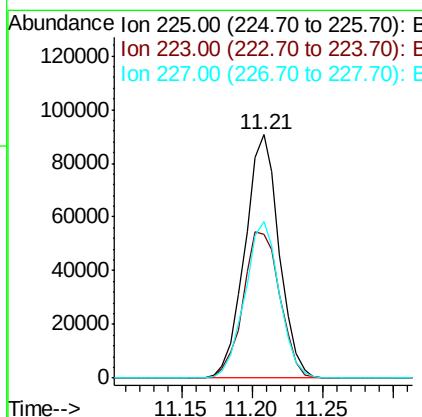
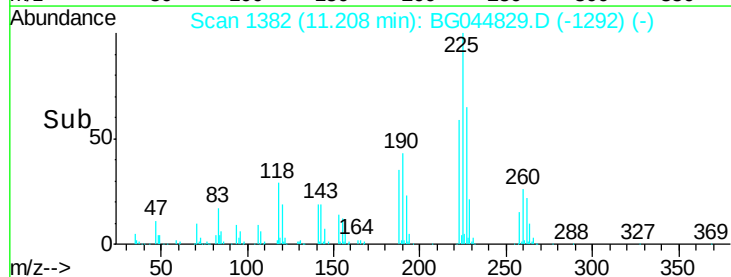
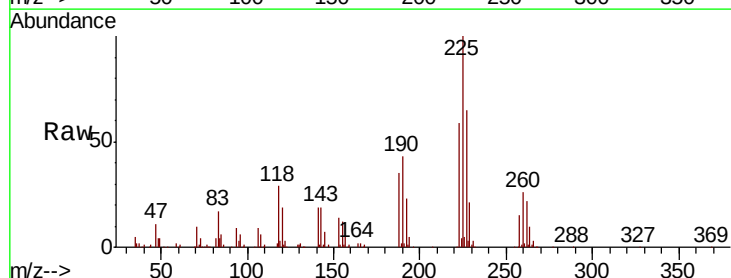
Manual Integrations
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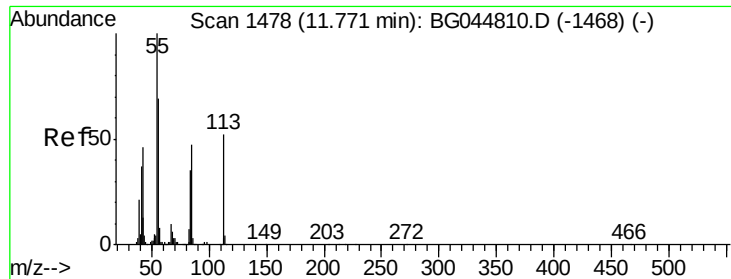
mohammad
3/18/2020 4:00:01 PM



#34
Hexachlorobutadiene
Concen: 37.095 ng
RT: 11.21 min Scan# 1382
Delta R.T. 0.00 min
Lab File: BG044829.D
Acq: 17 Mar 2020 11:55

Tgt Ion	Ratio	Lower	Upper
225	100		
223	59.1	47.4	71.0
227	64.5	50.8	76.2





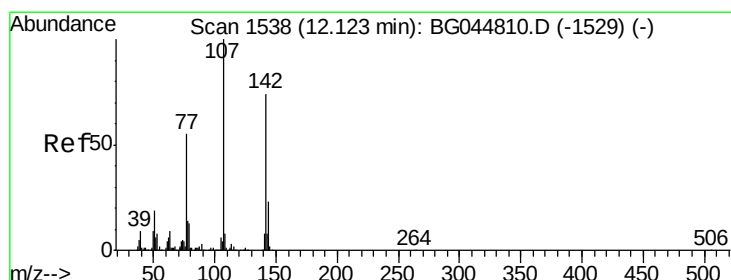
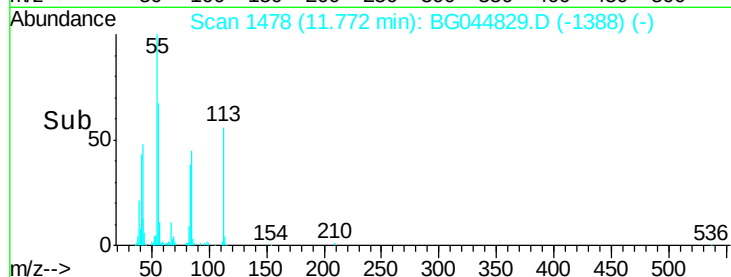
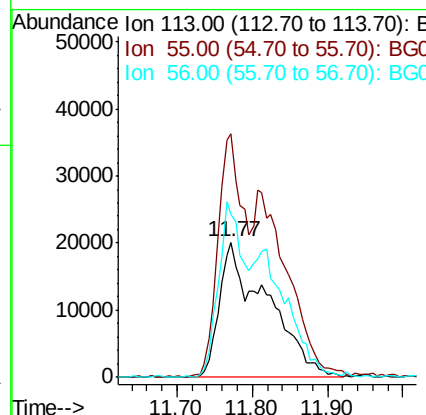
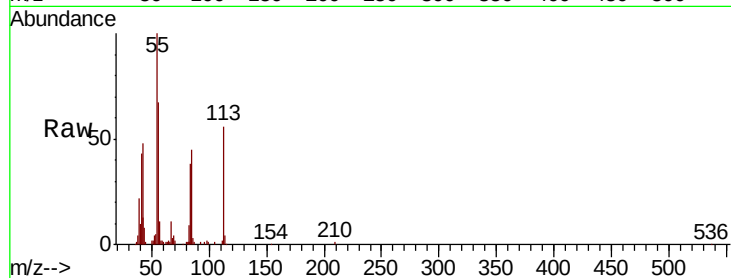
#35
 Caprolactam
 Concen: 44.186 ng/ml
 RT: 11.77 min Scan# 1478
 Delta R.T. 0.00 min
 Lab File: BG044829.D
 Acq: 17 Mar 2020 11:55

Instrument :
 BNA_G
 ClientSampleId :
 PB127438BS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
113	100				
55	180.1		173.8	213.8	
56	120.8		113.8	153.8	

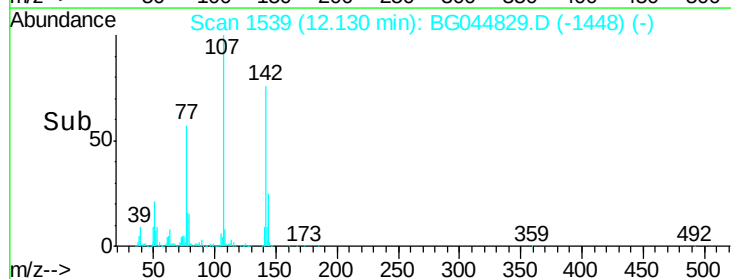
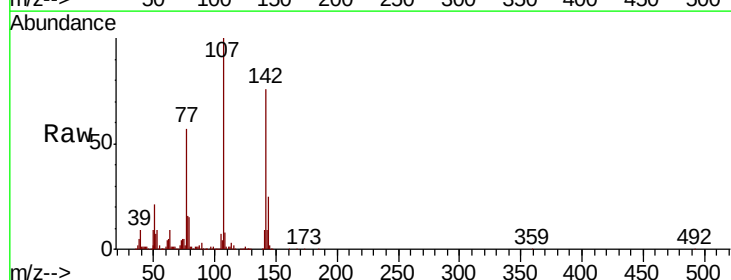
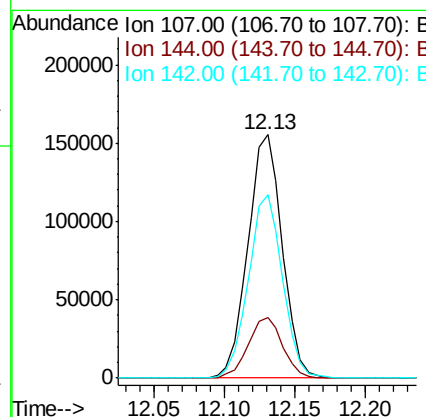
Manual Integrations
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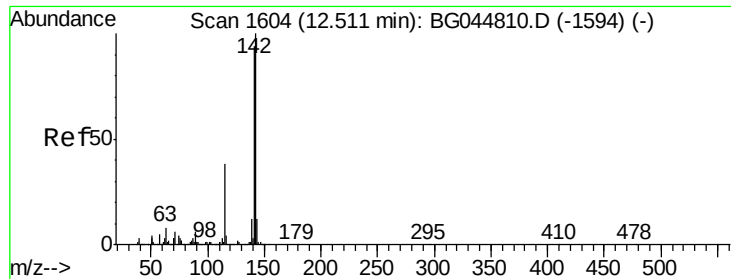
mohammad
 3/18/2020 4:00:01 PM



#36
 4-Chloro-3-methylphenol
 Concen: 42.214 ng/ml
 RT: 12.13 min Scan# 1539
 Delta R.T. 0.01 min
 Lab File: BG044829.D
 Acq: 17 Mar 2020 11:55

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100				
144	25.1		18.0	27.0	
142	75.6		59.0	88.4	





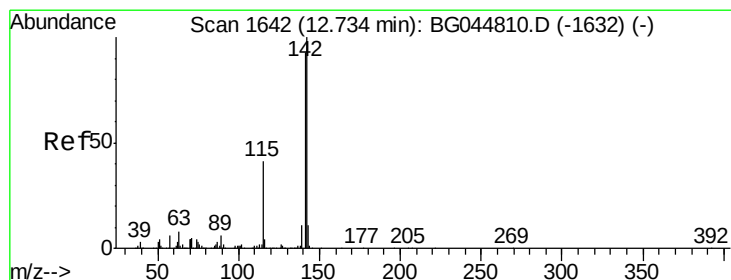
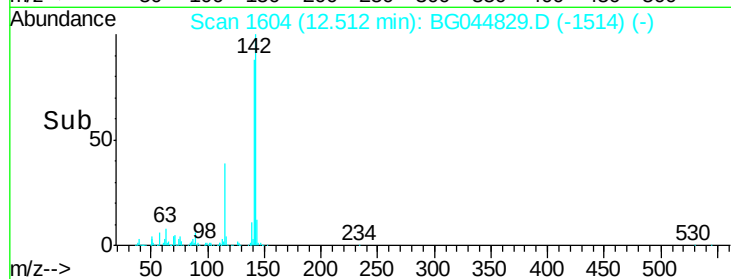
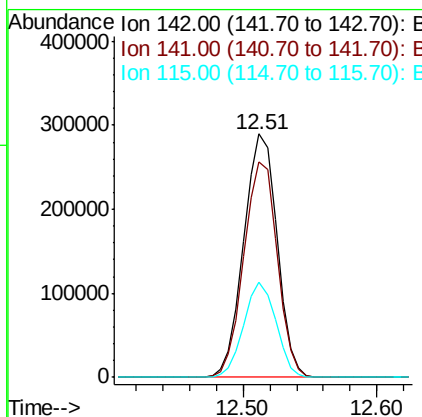
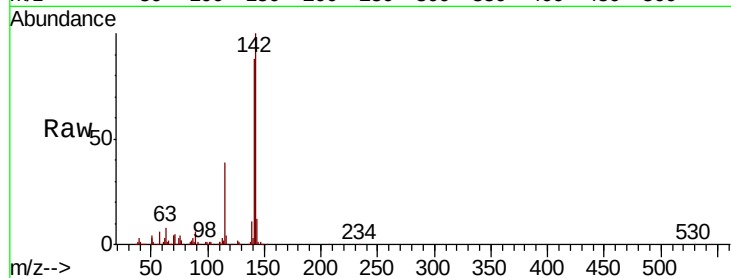
#37
 2-Methylnaphthalene
 Concen: 38.663 ng
 RT: 12.51 min Scan# 1604
 Delta R.T. 0.00 min
 Lab File: BG044829.D
 Acq: 17 Mar 2020 11:55

Instrument :
 BNA_G
 ClientSampleId :
 PB127438BS

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.3	75.1	112.7
115	39.3	30.6	46.0

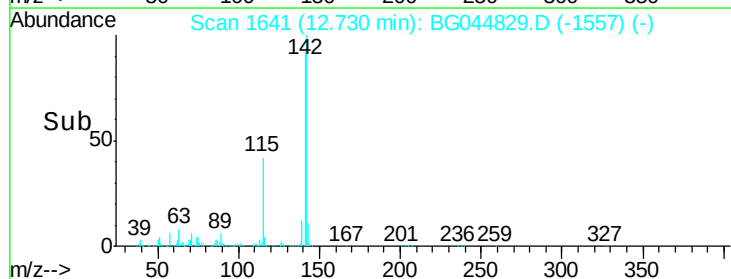
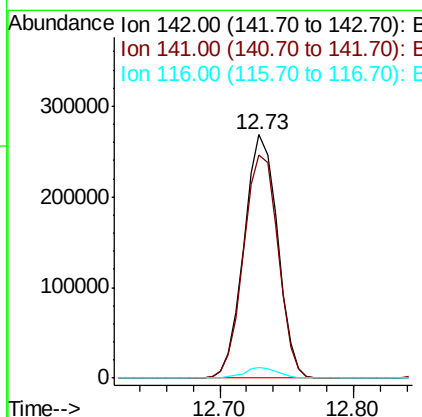
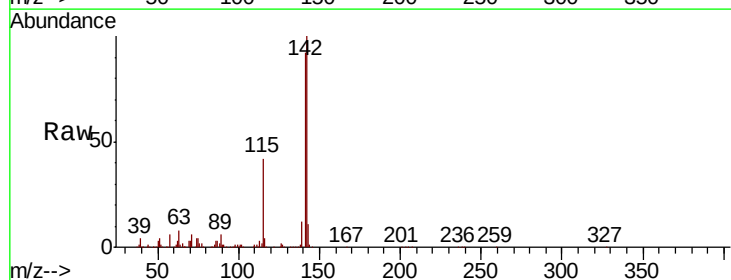
Manual Integrations
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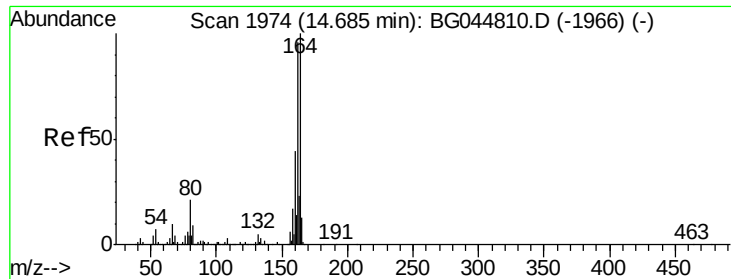
mohammad
 3/18/2020 4:00:01 PM



#38
 1-Methylnaphthalene
 Concen: 38.268 ng
 RT: 12.73 min Scan# 1641
 Delta R.T. -0.00 min
 Lab File: BG044829.D
 Acq: 17 Mar 2020 11:55

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.8	74.7	112.1
116	4.4	3.3	4.9





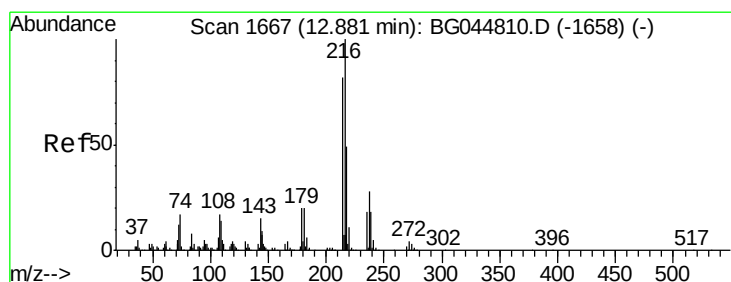
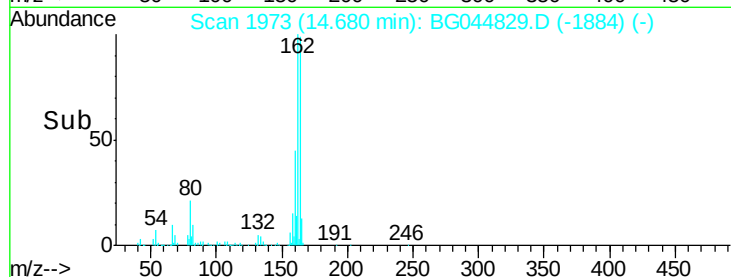
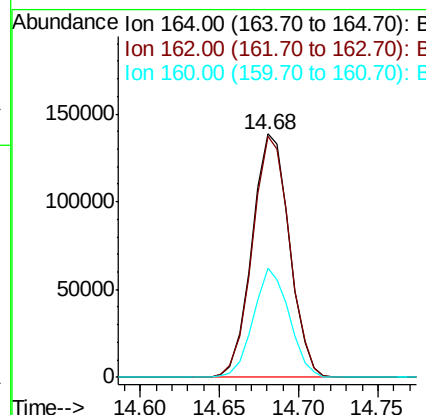
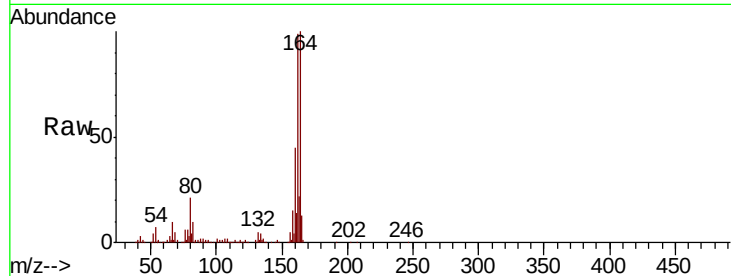
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.68 min Scan# 1973
Delta R.T. -0.00 min
Lab File: BG044829.D
Acq: 17 Mar 2020 11:55

Instrument :
BNA_G
ClientSampleId :
PB127438BS

Tot Ion	Ratio	Lower	Upper
164	100		
162	99.1	76.7	115.1
160	44.7	35.0	52.4

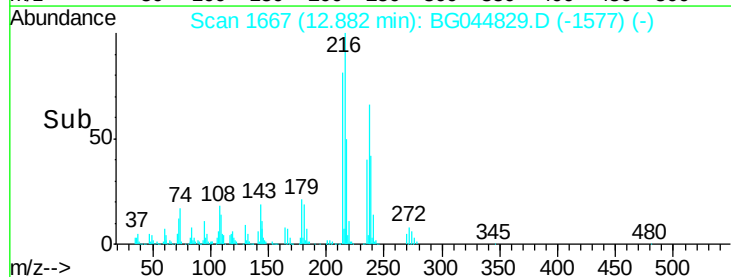
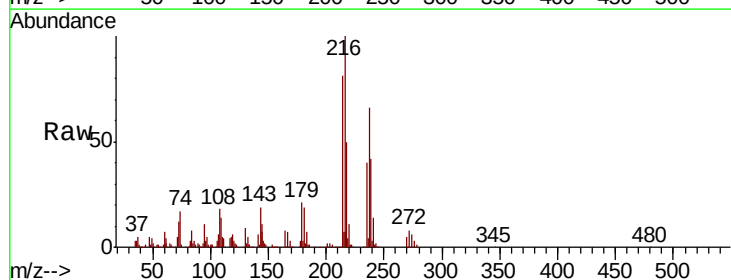
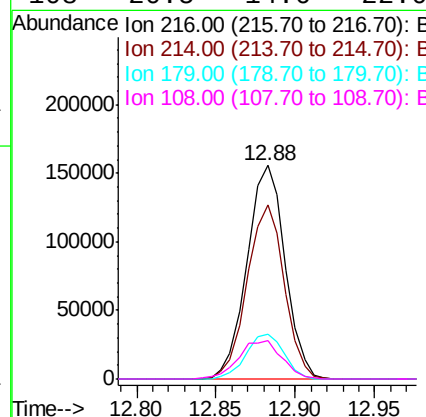
Manual Integrations
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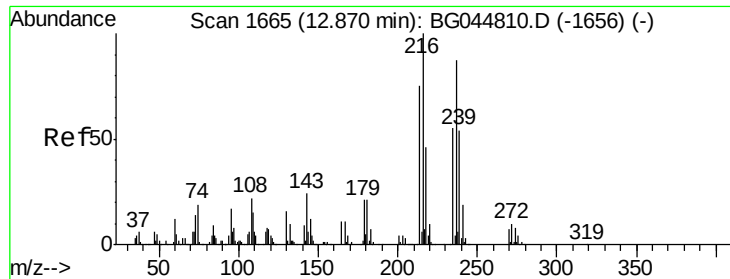
mohammad
3/18/2020 4:00:01 PM



#40
1,2,4,5-Tetrachlorobenzene
Concen: 34.692 ng
RT: 12.88 min Scan# 1667
Delta R.T. 0.00 min
Lab File: BG044829.D
Acq: 17 Mar 2020 11:55

Tgt Ion	Ratio	Lower	Upper
216	100		
214	79.7	63.8	95.6
179	21.2	16.2	24.2
108	20.5	14.6	22.0





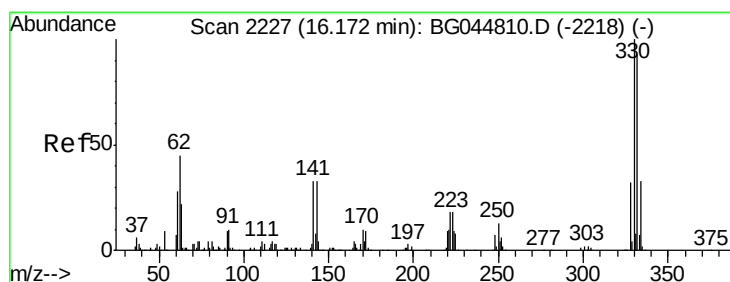
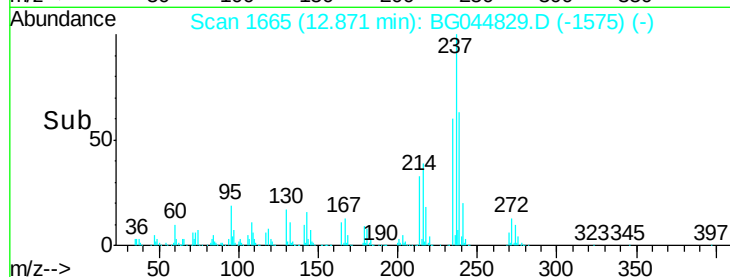
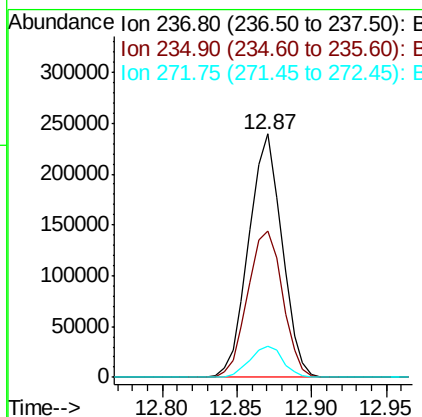
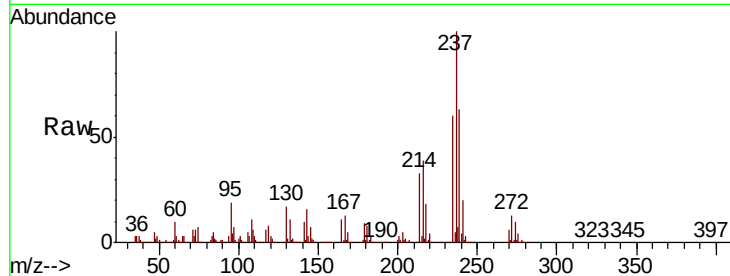
#41
Hexachlorocyclopentadiene
Concen: 90.236 ng
RT: 12.87 min Scan# 1665
Delta R.T. 0.00 min
Lab File: BG044829.D
Acq: 17 Mar 2020 11:55

Instrument :
BNA_G
ClientSampleId :
PB127438BS

Tot Ion	Ratio	Resp Lower	Upper
237	100		
235	60.0	42.9	82.9
272	12.8	0.0	31.6

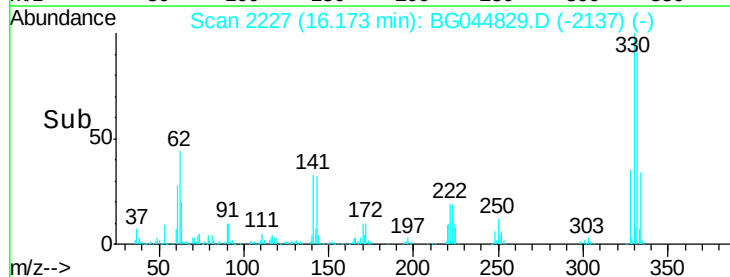
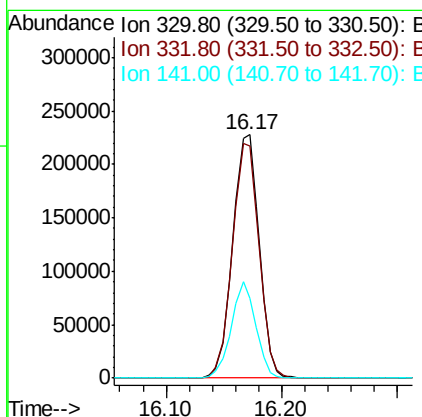
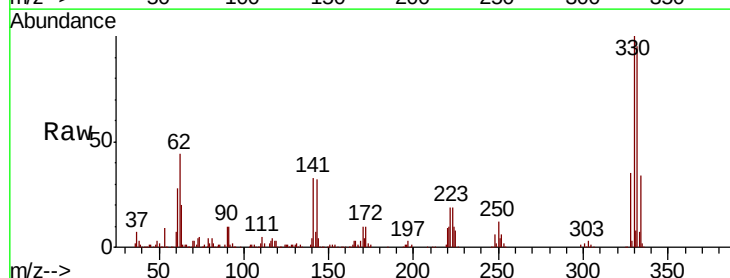
Manual Integrations
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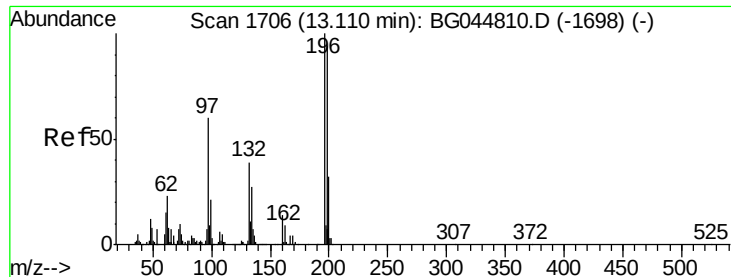
mohammad
3/18/2020 4:00:01 PM



#42
2,4,6-Tribromophenol
Concen: 121.335 ng
RT: 16.17 min Scan# 2227
Delta R.T. 0.00 min
Lab File: BG044829.D
Acq: 17 Mar 2020 11:55

Tgt Ion	Ratio	Resp Lower	Upper
330	100		
332	97.3	77.8	116.6
141	36.5	29.5	44.3





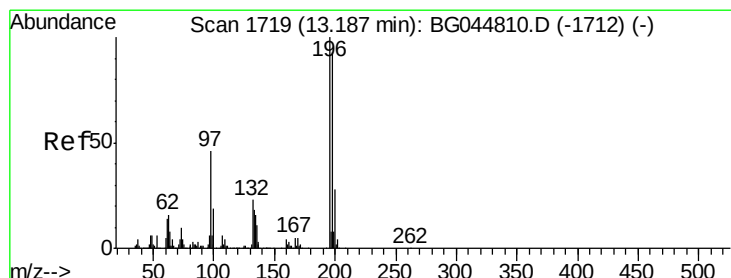
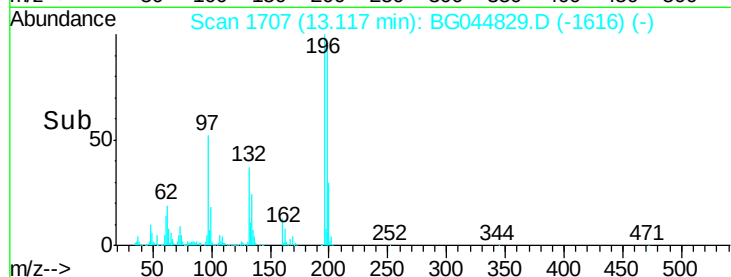
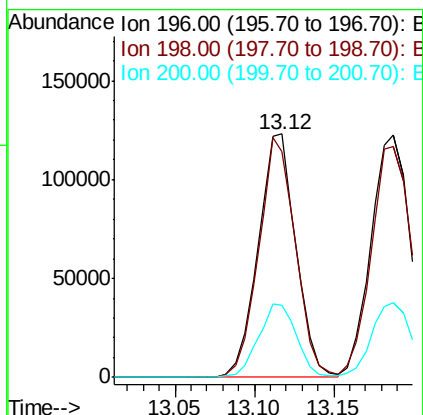
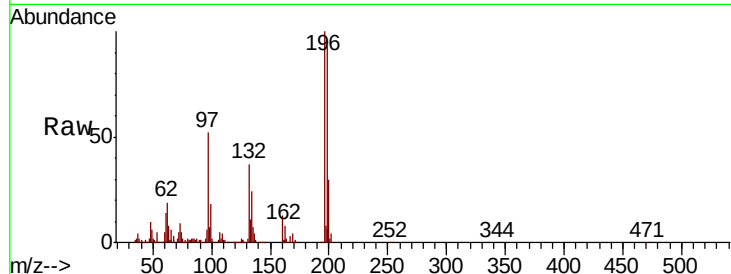
#43
2,4,6-Trichlorophenol
Concen: 41.012 ng
RT: 13.12 min Scan# 1707
Delta R.T. 0.01 min
Lab File: BG044829.D
Acq: 17 Mar 2020 11:55

Instrument :
BNA_G
ClientSampleId :
PB127438BS

Tot Ion	Ratio	Resp	Lower	Upper
196	100	203355		
198	92.5	74.9	112.3	
200	29.5	25.8	38.6	

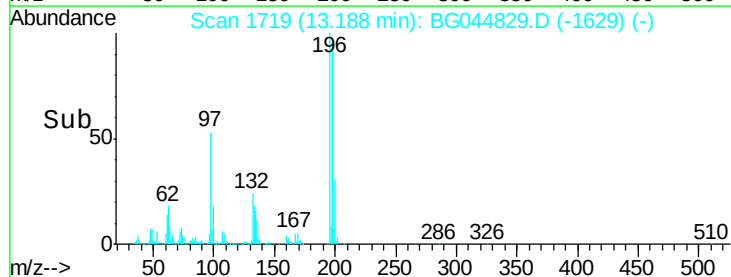
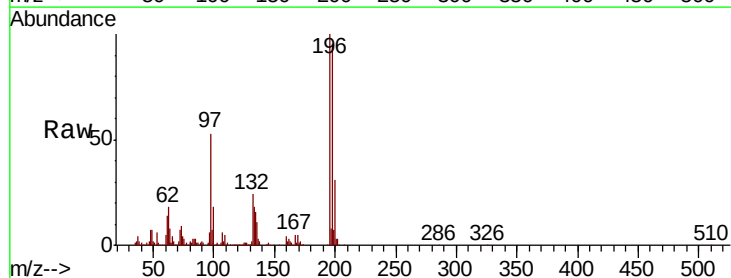
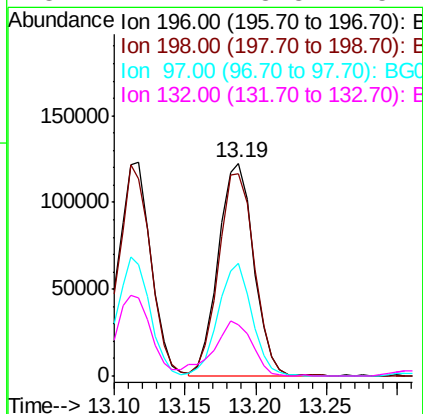
Manual Integrations
APPROVED

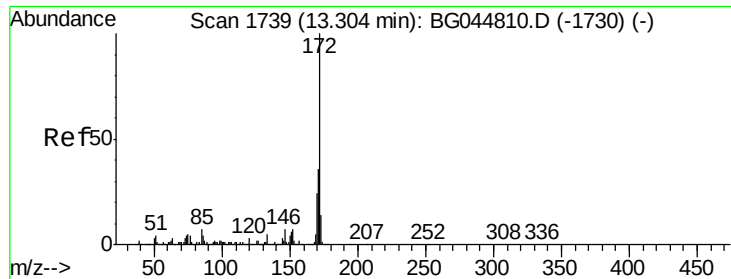
mohammad
3/18/2020 4:00:01 PM



#44
2,4,5-Trichlorophenol
Concen: 41.507 ng
RT: 13.19 min Scan# 1719
Delta R.T. 0.00 min
Lab File: BG044829.D
Acq: 17 Mar 2020 11:55

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	213437		
198	94.9	74.2	111.4	
97	52.8	36.7	55.1	
132	24.2	18.8	28.2	





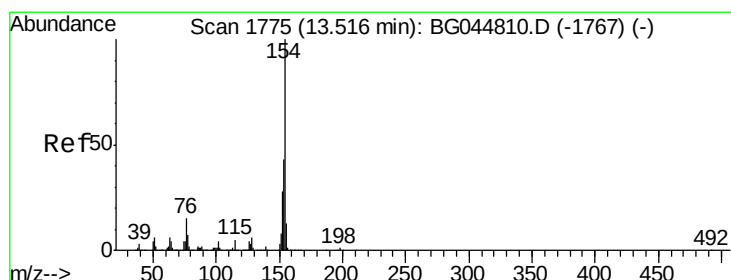
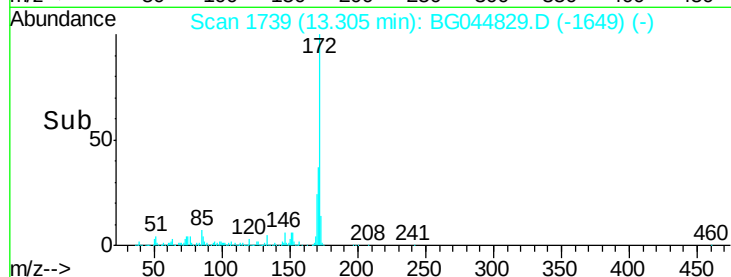
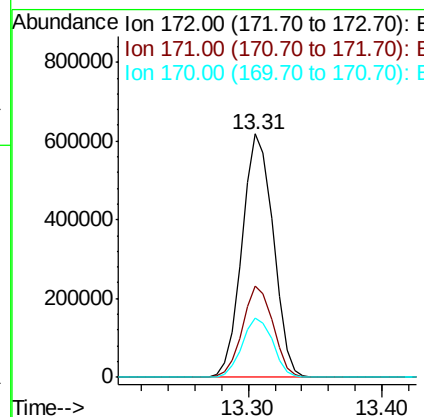
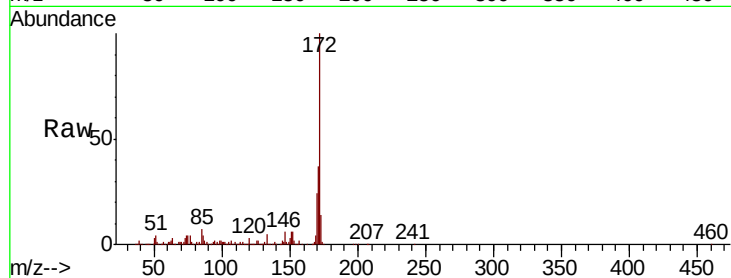
#45
 2-Fluorobiphenyl
 Concen: 62.809 ng
 RT: 13.31 min Scan# 1739
 Delta R.T. 0.00 min
 Lab File: BG044829.D
 Acq: 17 Mar 2020 11:55

Instrument :
 BNA_G
 ClientSampleId :
 PB127438BS

Tot Ion	Ratio	Lower	Upper
172	100		
171	37.4	28.7	43.1
170	24.2	19.0	28.6

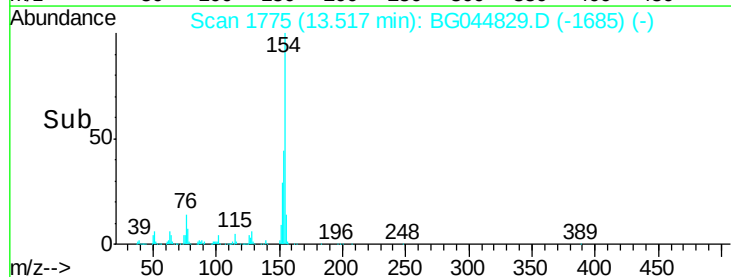
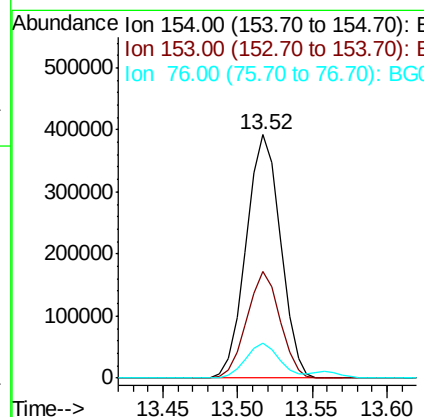
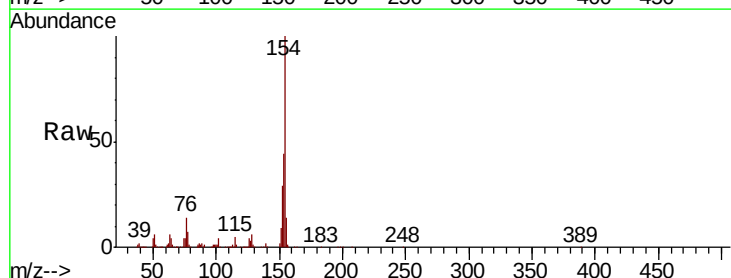
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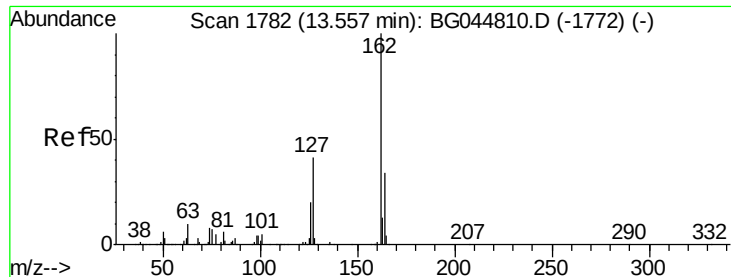
mohammad
 3/18/2020 4:00:01 PM



#46
 1,1'-Biphenyl
 Concen: 34.476 ng
 RT: 13.52 min Scan# 1775
 Delta R.T. 0.00 min
 Lab File: BG044829.D
 Acq: 17 Mar 2020 11:55

Tgt Ion	Ratio	Lower	Upper
154	100		
153	44.0	22.9	62.9
76	14.2	0.0	34.6





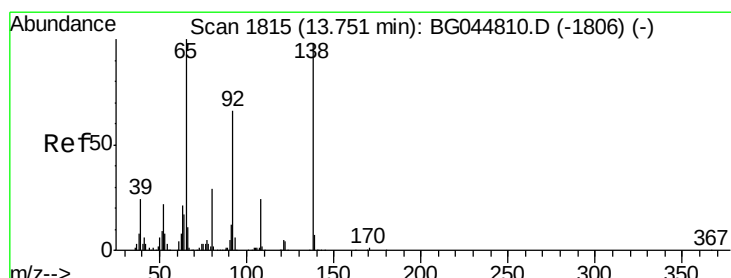
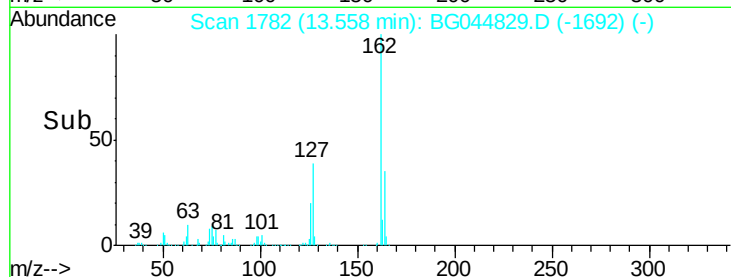
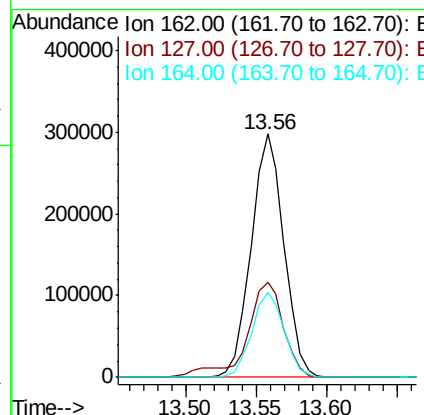
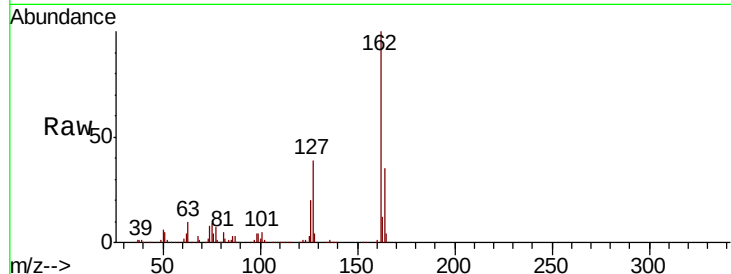
#47
2-Chloronaphthalene
Concen: 34.882 ng
RT: 13.56 min Scan# 1782
Delta R.T. 0.00 min
Lab File: BG044829.D
Acq: 17 Mar 2020 11:55

Instrument :
BNA_G
ClientSampleId :
PB127438BS

Tot Ion	Ratio	Lower	Upper
162	100		
127	39.3	33.1	49.7
164	34.9	27.4	41.2

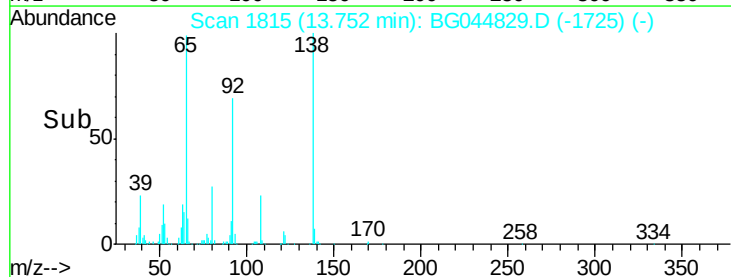
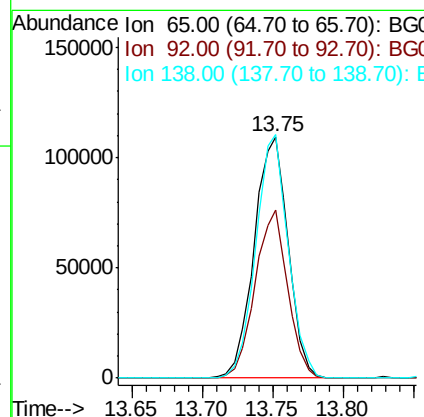
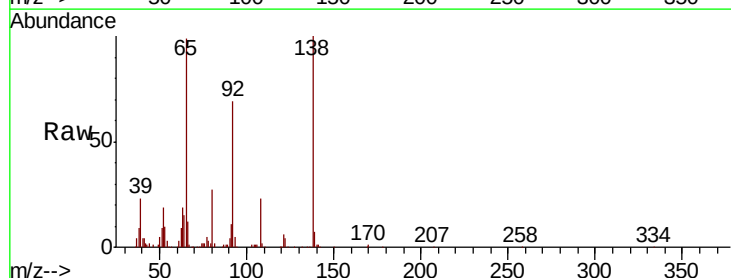
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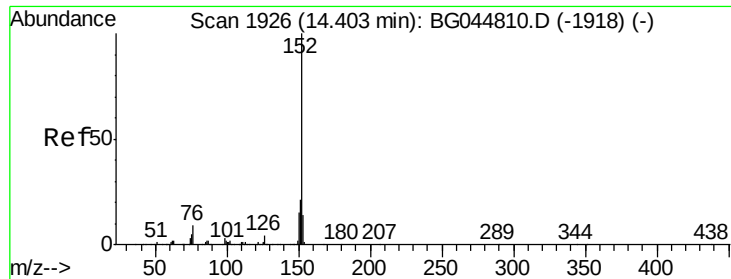
mohammad
3/18/2020 4:00:01 PM



#48
2-Nitroaniline
Concen: 38.143 ng
RT: 13.75 min Scan# 1815
Delta R.T. 0.00 min
Lab File: BG044829.D
Acq: 17 Mar 2020 11:55

Tgt Ion	Ratio	Lower	Upper
65	100		
92	69.8	52.6	79.0
138	100.8	78.3	117.5





#49

Acenaphthylene

Concen: 37.573 ng

RT: 14.40 min Scan# 1926

Delta R.T. 0.00 min

Lab File: BG044829.D

Acq: 17 Mar 2020 11:55

Instrument :

BNA_G

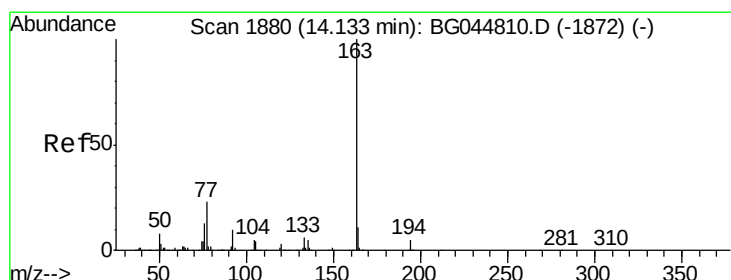
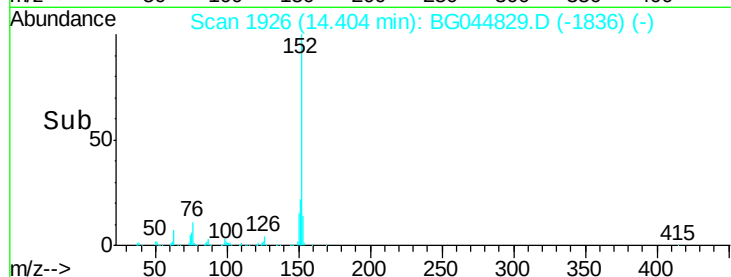
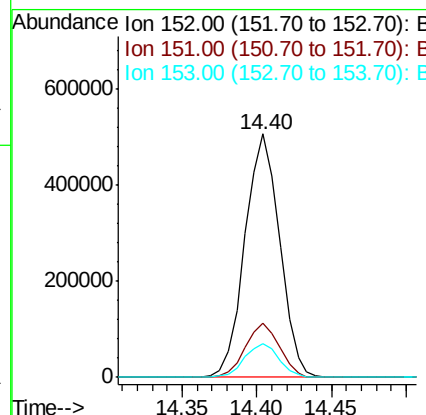
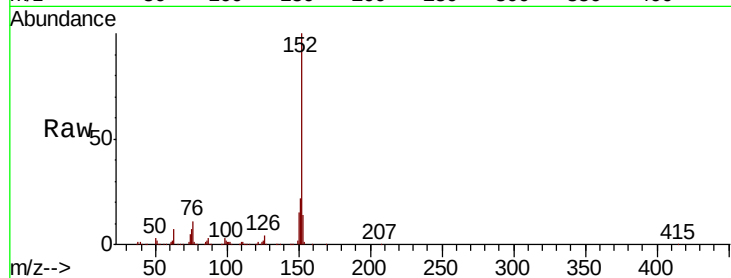
ClientSampleId :

PB127438BS

Tot Ion:	152	Resp:	815230
Ion Ratio	Lower	Upper	
152	100		
151	22.4	16.8	25.2
153	14.1	10.8	16.2

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#50

Dimethylphthalate

Concen: 37.620 ng

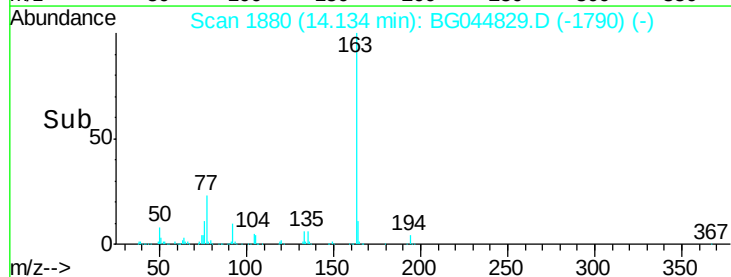
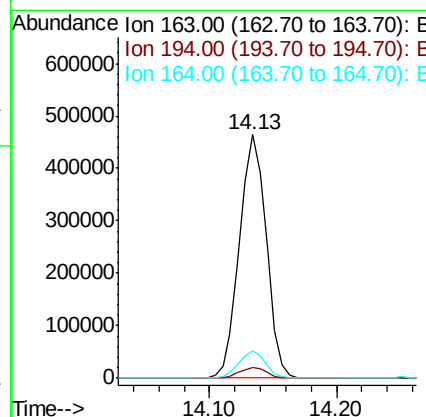
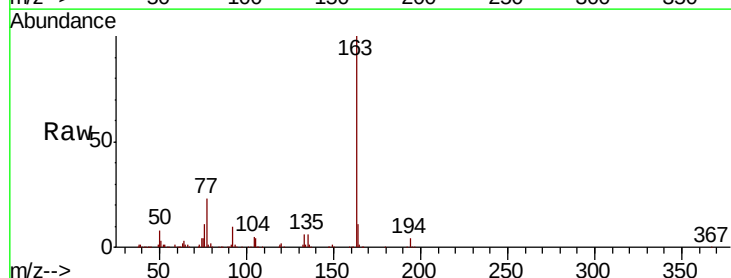
RT: 14.13 min Scan# 1880

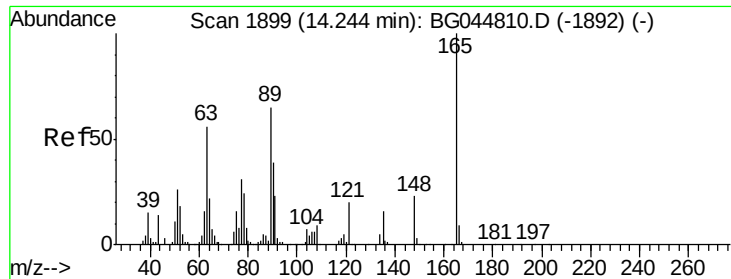
Delta R.T. 0.00 min

Lab File: BG044829.D

Acq: 17 Mar 2020 11:55

Tgt Ion:	163	Resp:	679763
Ion Ratio	Lower	Upper	
163	100		
194	4.1	3.7	5.5
164	11.2	9.1	13.7





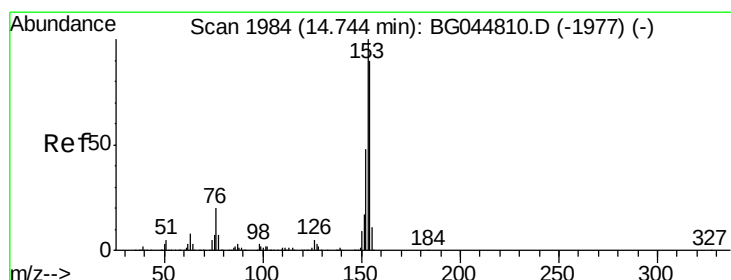
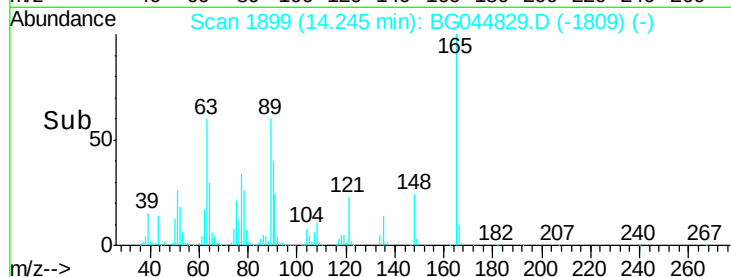
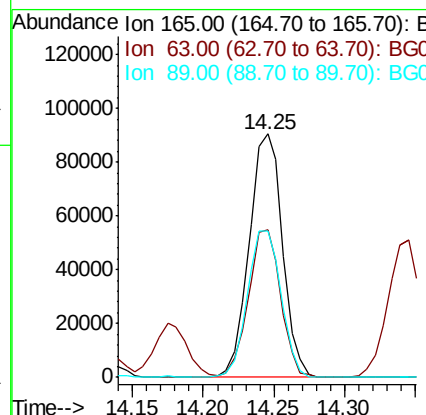
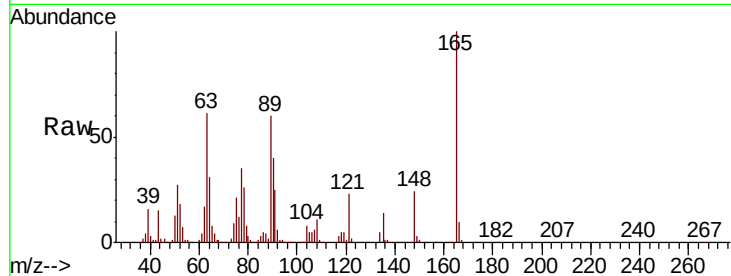
#51
 2,6-Dinitrotoluene
 Concen: 41.119 ng
 RT: 14.25 min Scan# 1899
 Delta R.T. 0.00 min
 Lab File: BG044829.D
 Acq: 17 Mar 2020 11:55

Instrument :
 BNA_G
 ClientSampleId :
 PB127438BS

Tot Ion	Ratio	Lower	Upper
165	100		
63	60.8	45.8	68.8
89	60.0	51.8	77.6

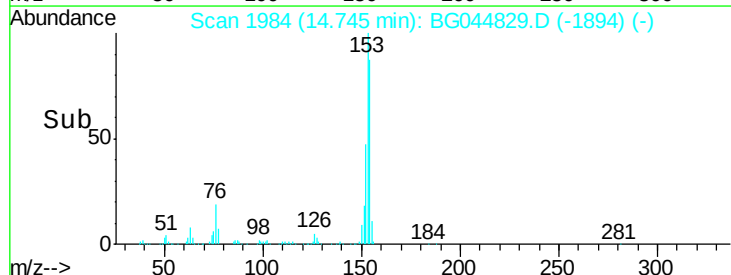
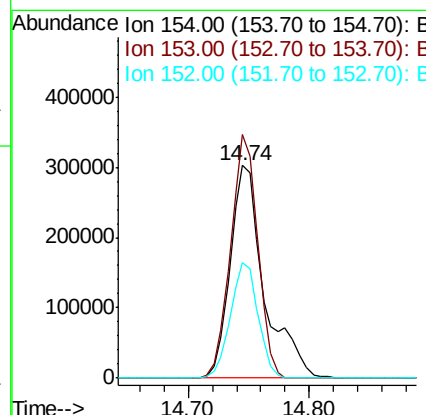
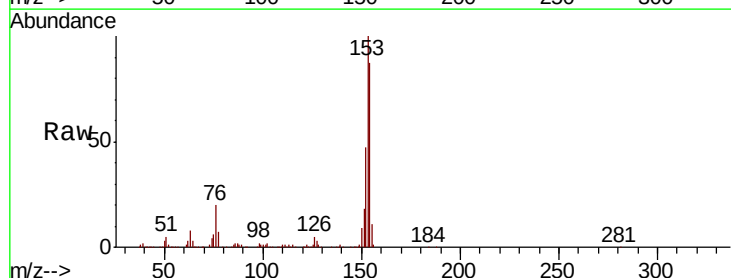
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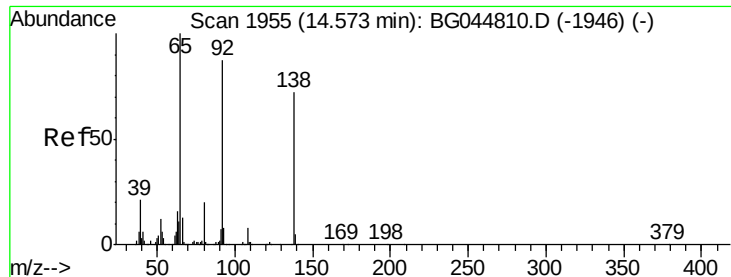
mohammad
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#52
 Acenaphthene
 Concen: 41.674 ng
 RT: 14.74 min Scan# 1984
 Delta R.T. 0.00 min
 Lab File: BG044829.D
 Acq: 17 Mar 2020 11:55

Tgt Ion	Ratio	Lower	Upper
154	100		
153	114.4	89.0	133.6
152	54.3	43.0	64.6





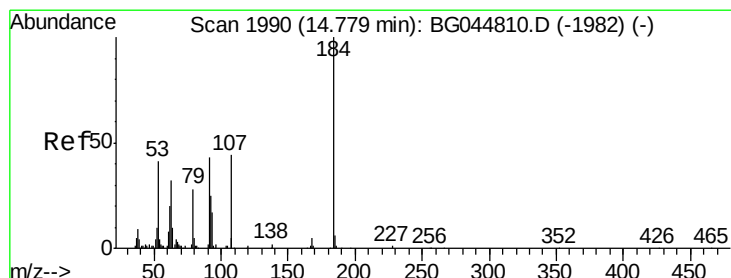
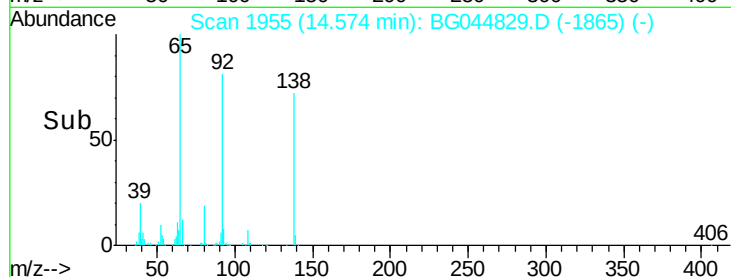
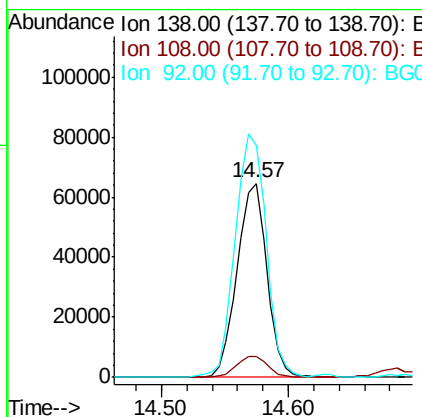
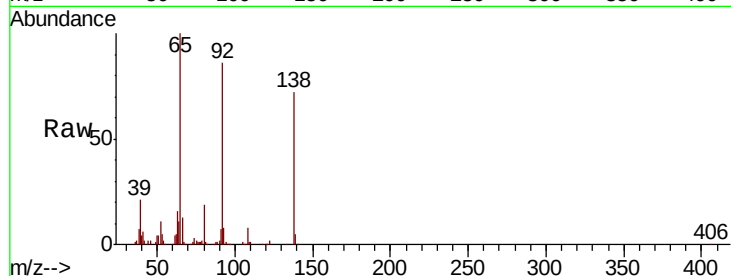
#53
3-Nitroaniline
Concen: 25.251 ng
RT: 14.57 min Scan# 1955
Delta R.T. 0.00 min
Lab File: BG044829.D
Acq: 17 Mar 2020 11:55

Instrument :
BNA_G
ClientSampleId :
PB127438BS

Tot Ion	Ratio	Lower	Upper
138	100		
108	11.0	9.0	13.4
92	119.5	96.8	145.2

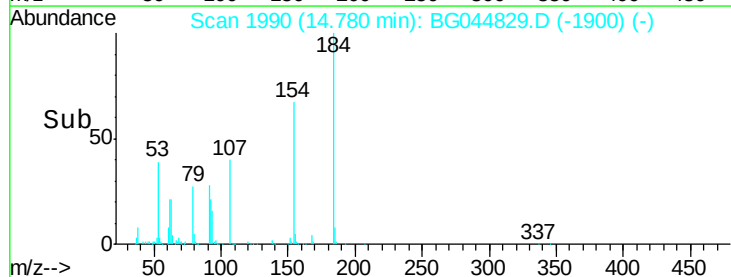
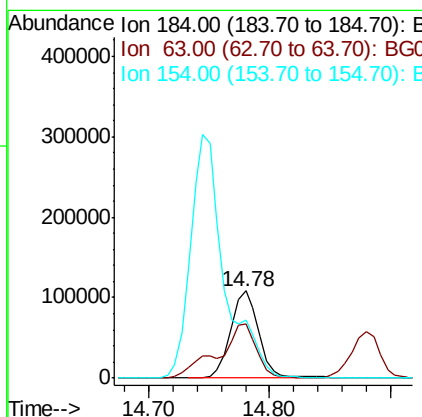
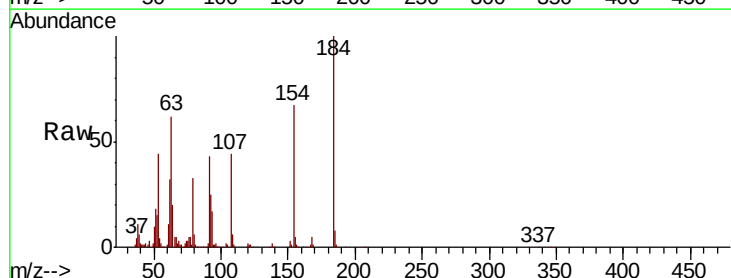
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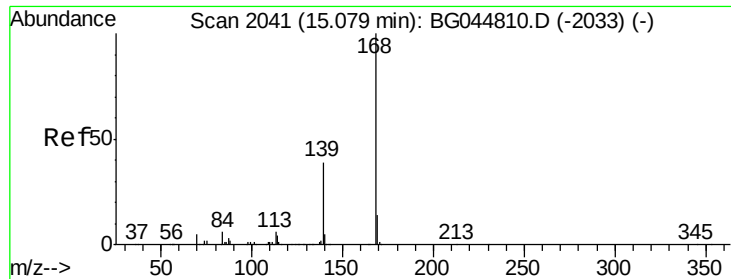
mohammad
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#54
2,4-Dinitrophenol
Concen: 91.030 ng
RT: 14.78 min Scan# 1990
Delta R.T. 0.00 min
Lab File: BG044829.D
Acq: 17 Mar 2020 11:55

Tgt Ion	Ratio	Lower	Upper
184	100		
63	61.6	45.5	68.3
154	66.6	49.1	73.7





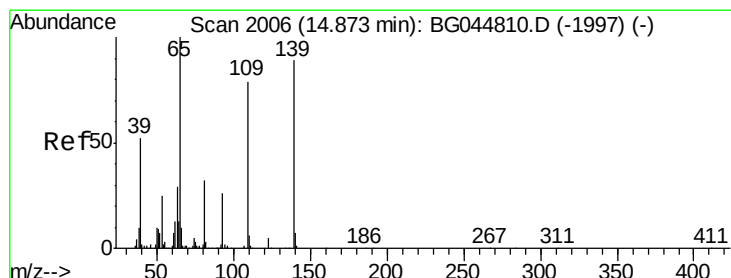
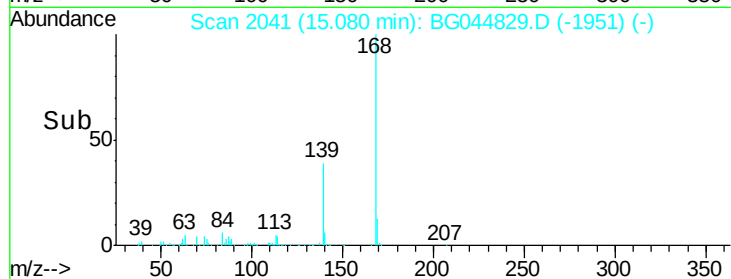
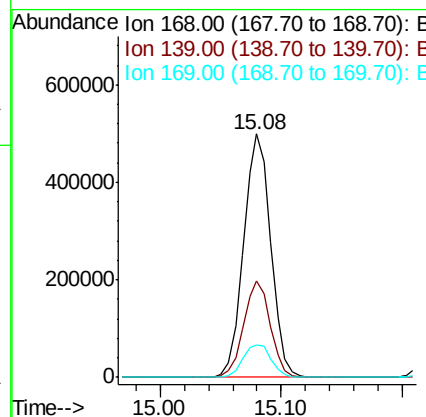
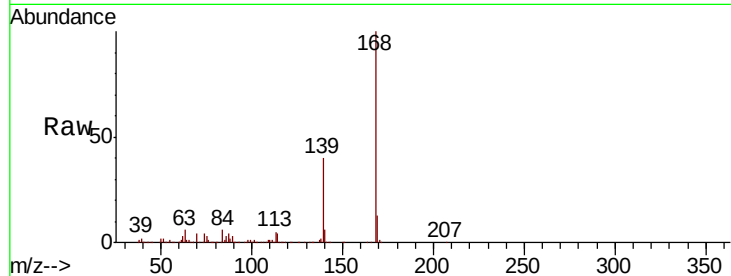
#55
Dibenzofuran
Concen: 37.741 ng
RT: 15.08 min Scan# 2041
Delta R.T. 0.00 min
Lab File: BG044829.D
Acq: 17 Mar 2020 11:55

Instrument :
BNA_G
ClientSampleId :
PB127438BS

Tot Ion	Ratio	Resp	Lower	Upper
168	100			
139	39.6		31.4	47.0
169	13.4		11.1	16.7

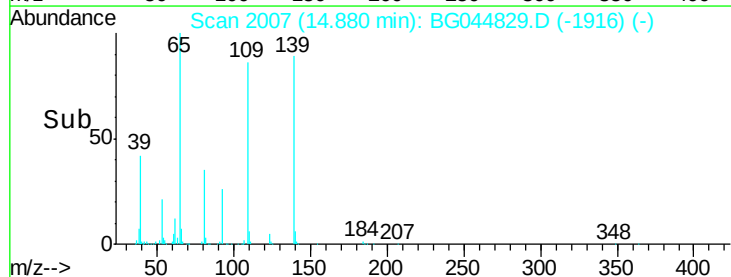
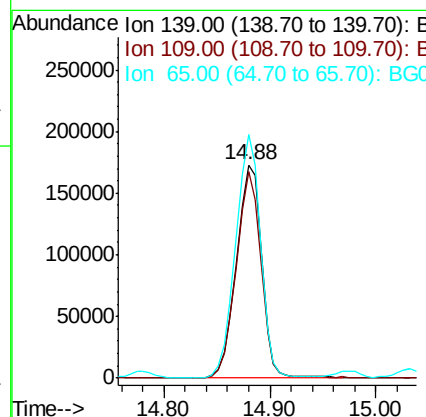
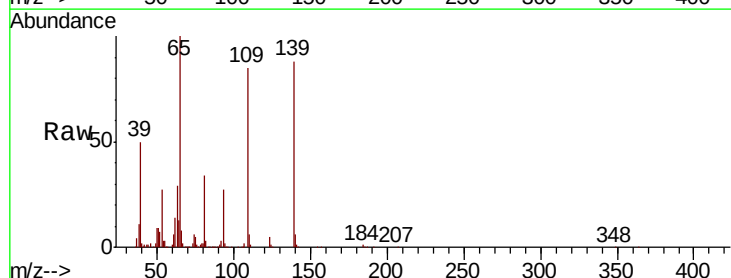
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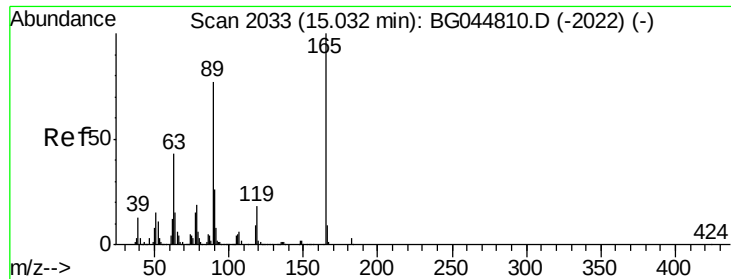
mohammad
3/18/2020 4:00:01 PM



#56
4-Nitrophenol
Concen: 89.371 ng
RT: 14.88 min Scan# 2007
Delta R.T. 0.01 min
Lab File: BG044829.D
Acq: 17 Mar 2020 11:55

Tgt Ion	Ratio	Resp	Lower	Upper
139	100			
109	96.8		68.8	108.8
65	114.2		92.5	132.5





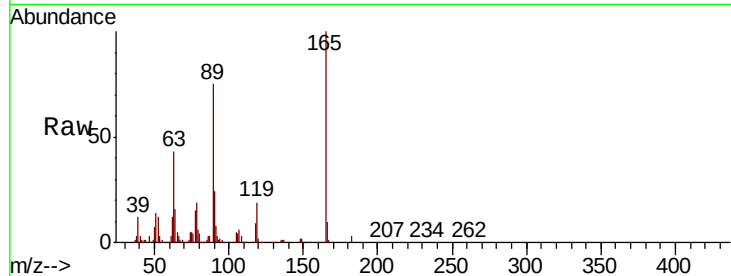
#57
2,4-Dinitrotoluene
Concen: 43.128 ng
RT: 15.03 min Scan# 2033
Delta R.T. 0.00 min
Lab File: BG044829.D
Acq: 17 Mar 2020 11:55

Instrument :
BNA_G
ClientSampleId :
PB127438BS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
165	100		215432		
63	43.2		34.6	52.0	
89	74.9		61.3	91.9	
182	2.5		2.2	3.2	

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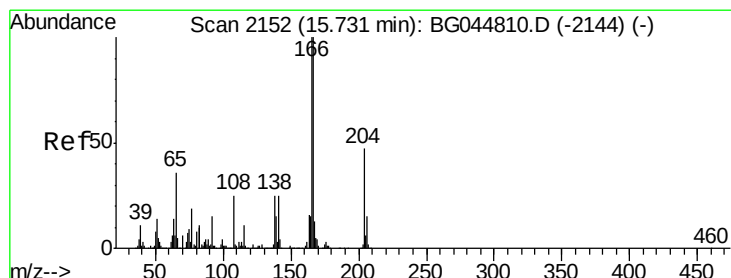
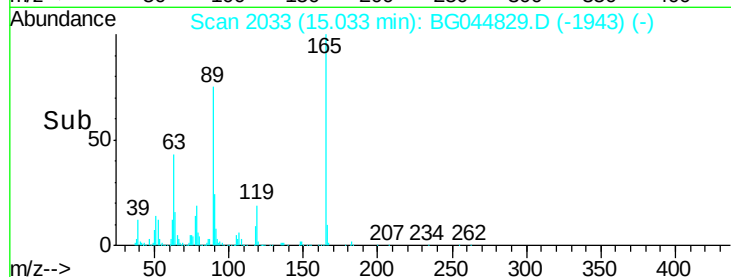
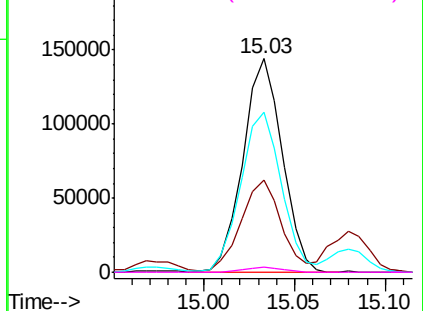


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG

Ion 89.00 (88.70 to 89.70): BG

Ion 182.00 (181.70 to 182.70): E



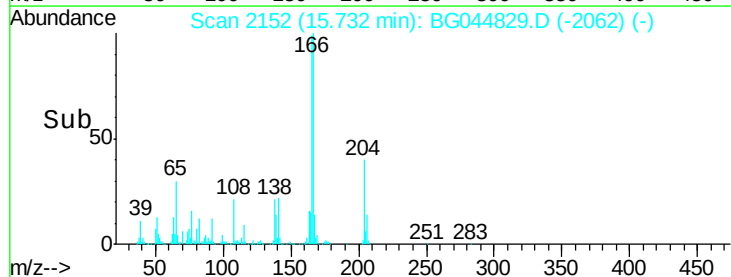
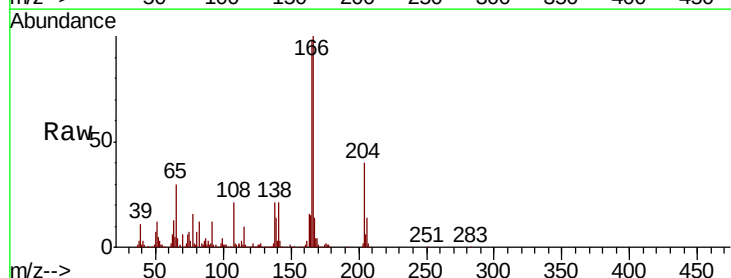
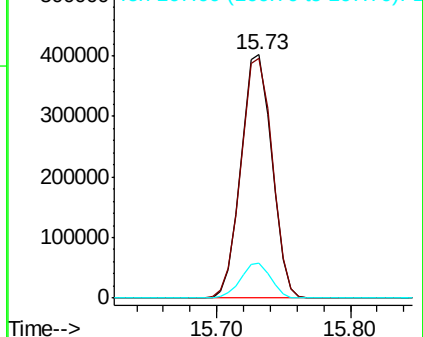
#58
Fluorene
Concen: 37.940 ng
RT: 15.73 min Scan# 2152
Delta R.T. 0.00 min
Lab File: BG044829.D
Acq: 17 Mar 2020 11:55

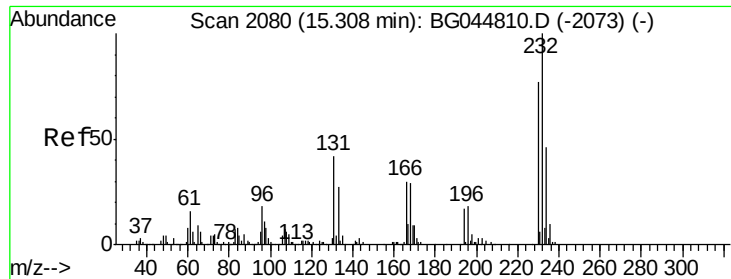
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
166	100		643109		
165	98.5		79.7	119.5	
167	14.2		10.6	16.0	

Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





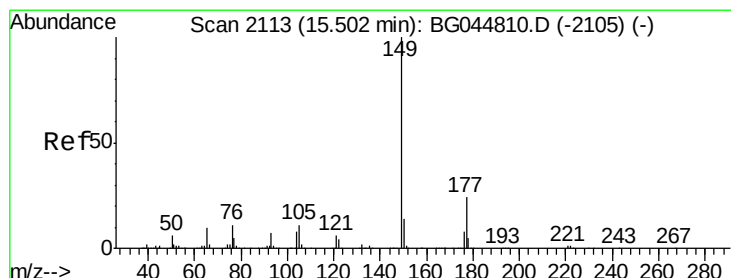
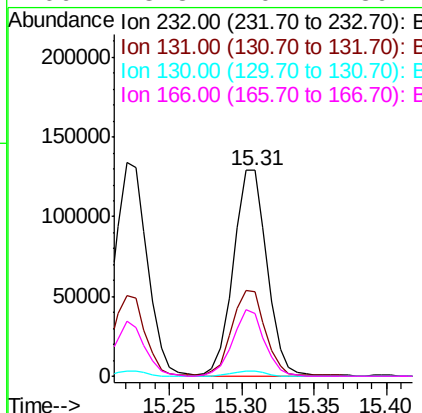
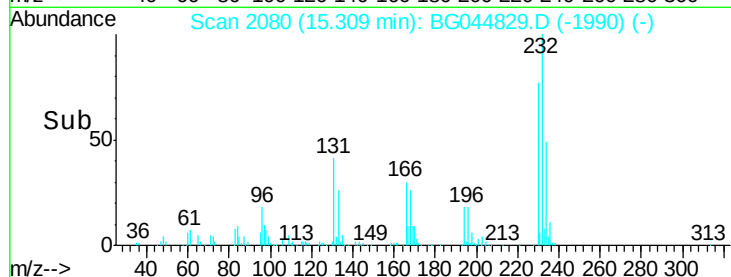
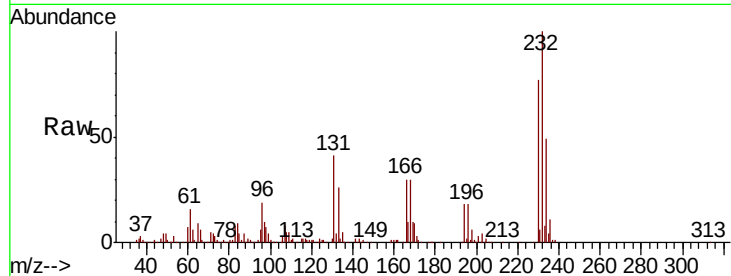
#59
2,3,4,6-Tetrachlorophenol
Concen: 44.198 ng
RT: 15.31 min Scan# 2080
Delta R.T. 0.00 min
Lab File: BG044829.D
Acq: 17 Mar 2020 11:55

Instrument :
BNA_G
ClientSampleId :
PB127438BS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
232	100		209243		
131	37.4	31.8	47.8		
130	2.2	2.2	3.2		
166	23.8	20.2	30.2		

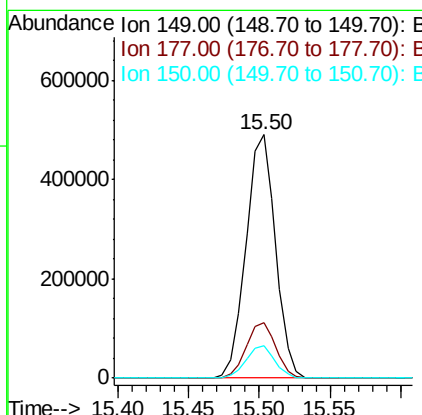
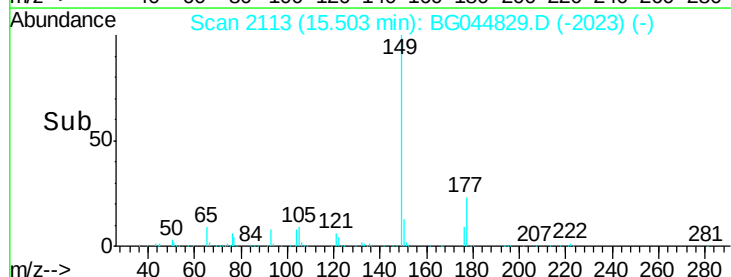
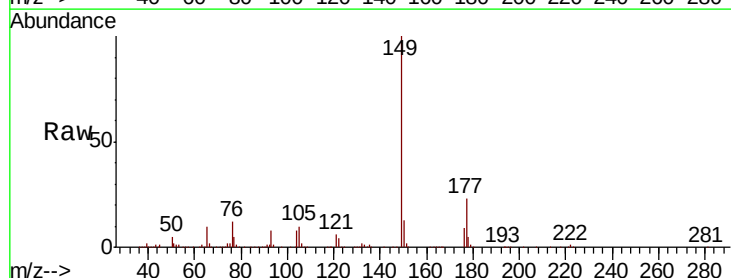
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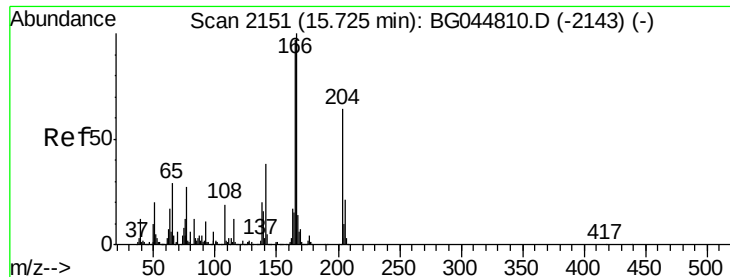
mohammad
3/18/2020 4:00:01 PM



#60
Diethylphthalate
Concen: 37.988 ng
RT: 15.50 min Scan# 2113
Delta R.T. 0.00 min
Lab File: BG044829.D
Acq: 17 Mar 2020 11:55

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
149	100		715924		
177	22.9	19.3	28.9		
150	13.4	11.0	16.6		





#61

4-Chlorophenyl-phenylether

Concen: 38.599 ng

RT: 15.73 min Scan# 2151

Delta R.T. 0.00 min

Lab File: BG044829.D

Acq: 17 Mar 2020 11:55

Instrument :

BNA_G

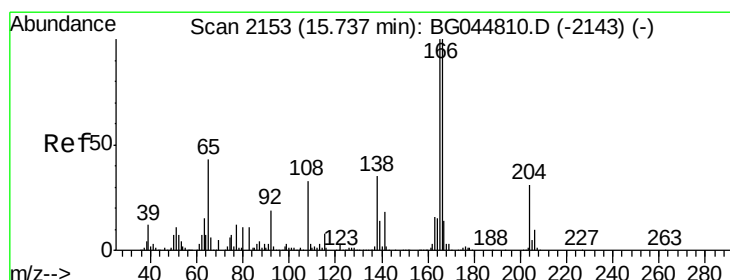
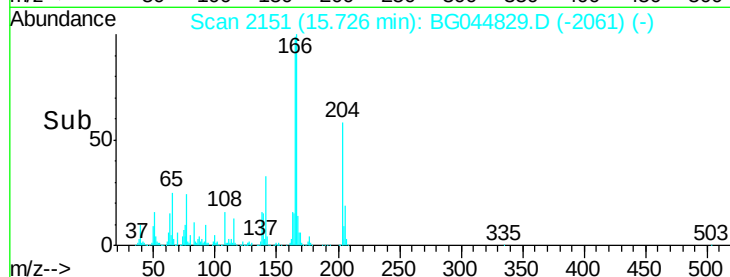
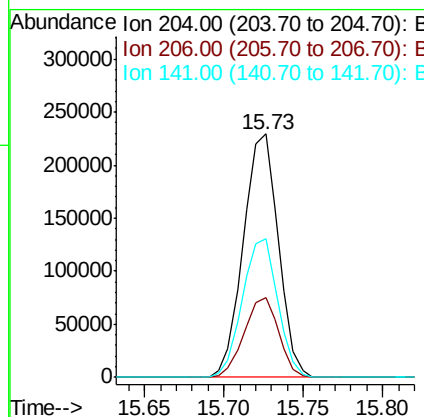
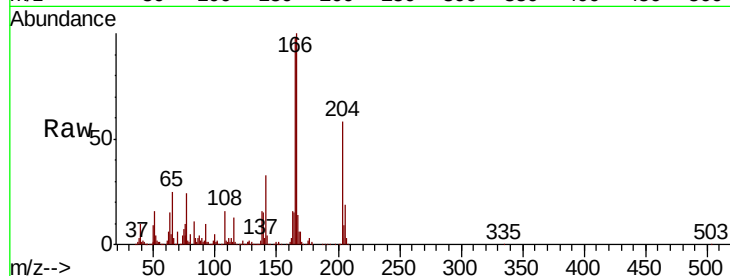
ClientSampleId :

PB127438BS

Tot Ion:	204	Resp:	352297
Ion Ratio	Lower	Upper	
204	100		
206	32.7	26.2	39.2
141	56.8	47.7	71.5

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#62

4-Nitroaniline

Concen: 35.537 ng

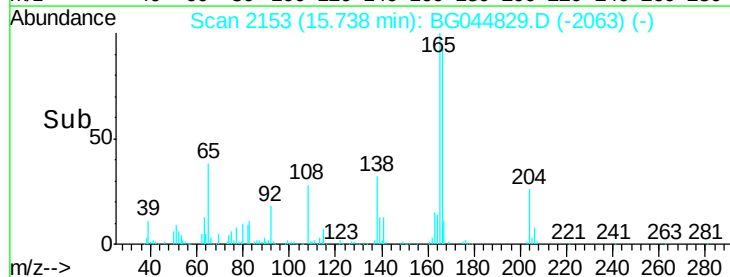
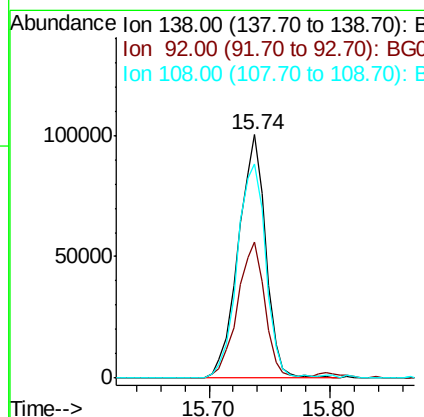
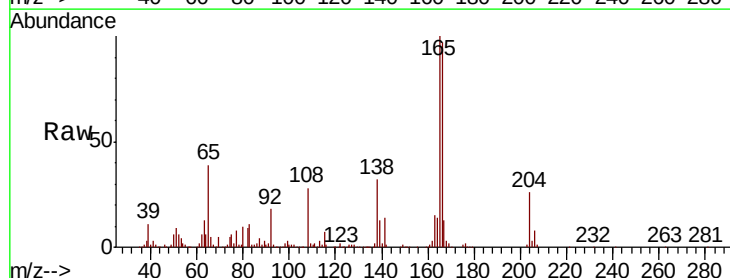
RT: 15.74 min Scan# 2153

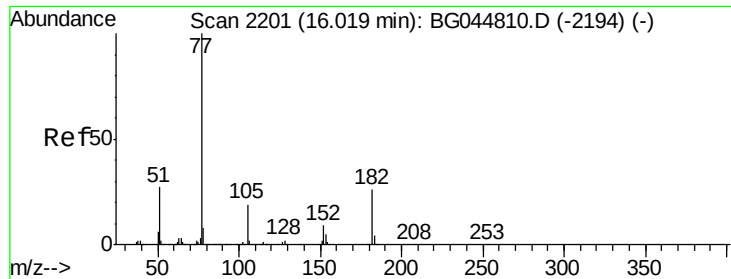
Delta R.T. 0.00 min

Lab File: BG044829.D

Acq: 17 Mar 2020 11:55

Tgt Ion:	138	Resp:	158674
Ion Ratio	Lower	Upper	
138	100		
92	56.0	34.5	74.5
108	88.0	74.5	114.5





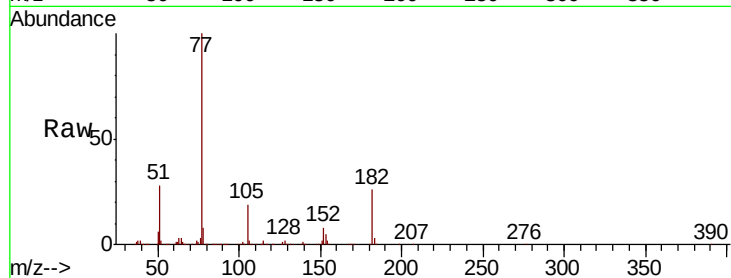
#63
Azobenzene
Concen: 35.902 ng
RT: 16.01 min Scan# 2200
Delta R.T. -0.00 min
Lab File: BG044829.D
Acq: 17 Mar 2020 11:55

Instrument :
BNA_G
ClientSampleId :
PB127438BS

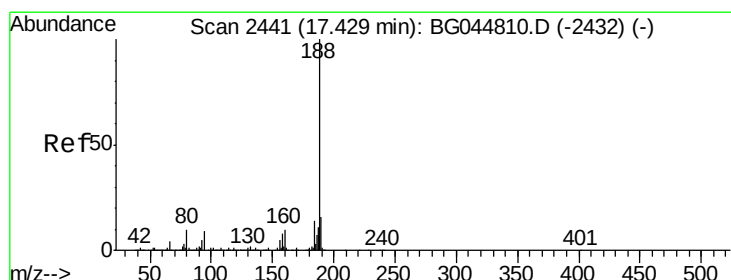
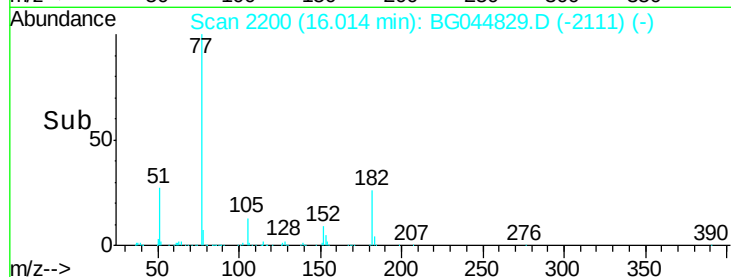
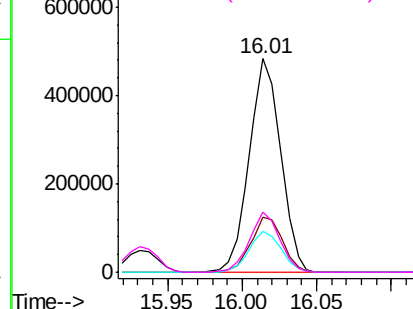
Tot Ion	Ratio	Lower	Upper
77	100		
182	25.5	6.4	46.4
105	19.0	0.0	39.1
51	28.0	7.3	47.3

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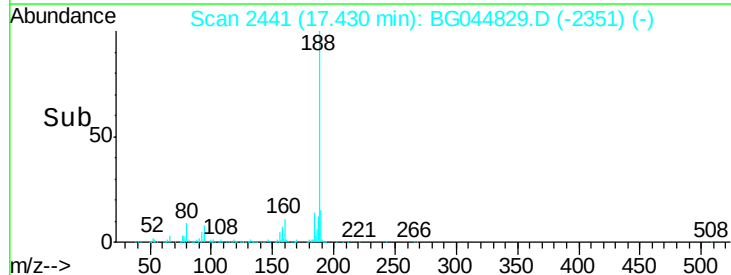
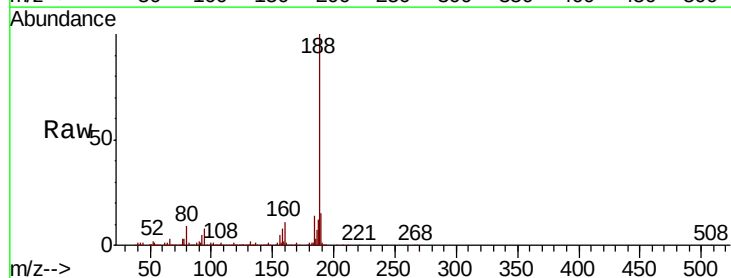
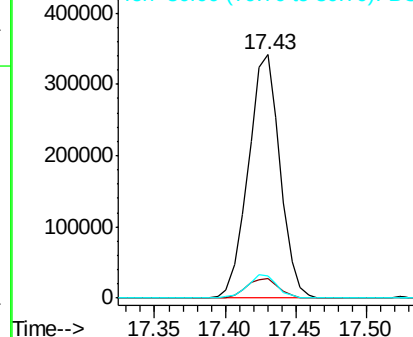
Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 182.00 (181.70 to 182.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 51.00 (50.70 to 51.70): BGC

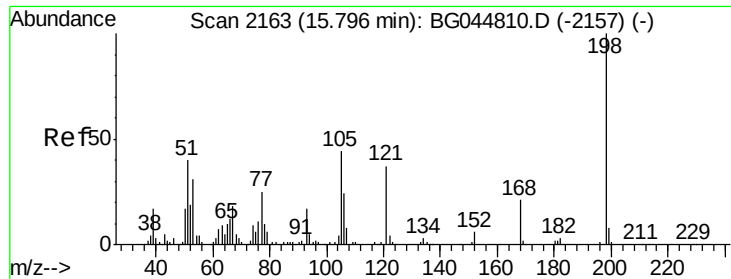


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.43 min Scan# 2441
Delta R.T. 0.00 min
Lab File: BG044829.D
Acq: 17 Mar 2020 11:55

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.0	7.3	10.9
80	9.4	8.0	12.0

Abundance Ion 188.00 (187.70 to 188.70): BGC
Ion 94.00 (93.70 to 94.70): BGC
Ion 80.00 (79.70 to 80.70): BGC





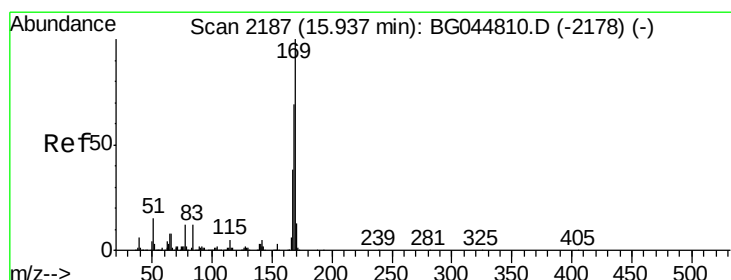
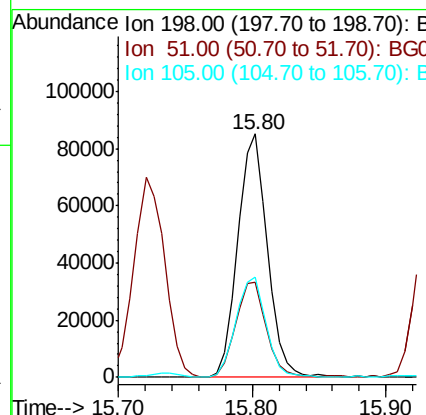
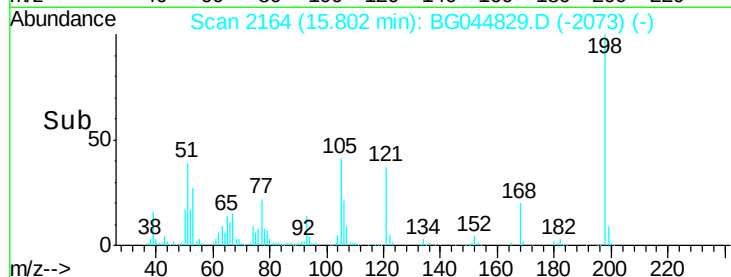
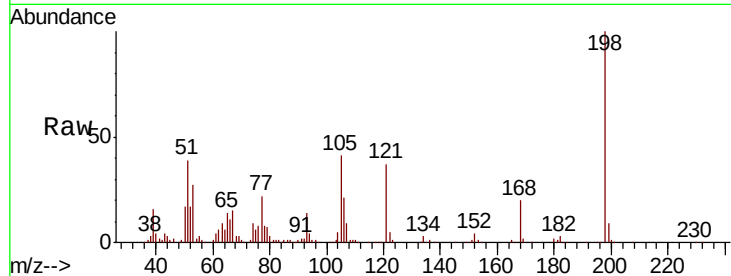
#65
 4,6-Dinitro-2-methylphenol
 Concen: 51.319 ng
 RT: 15.80 min Scan# 2164
 Delta R.T. 0.01 min
 Lab File: BG044829.D
 Acq: 17 Mar 2020 11:55

Instrument :
 BNA_G
 ClientSampleId :
 PB127438BS

Tot Ion	Ratio	Resp	Lower	Upper
198	100	131193		
51	39.3		21.1	61.1
105	41.4		24.5	64.5

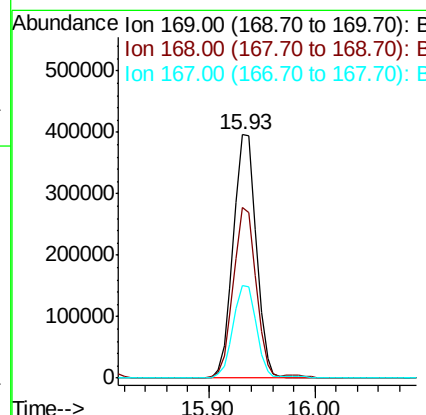
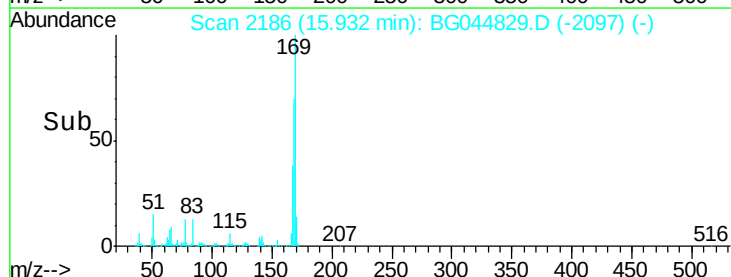
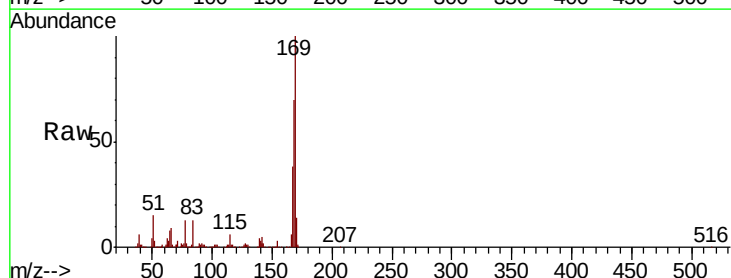
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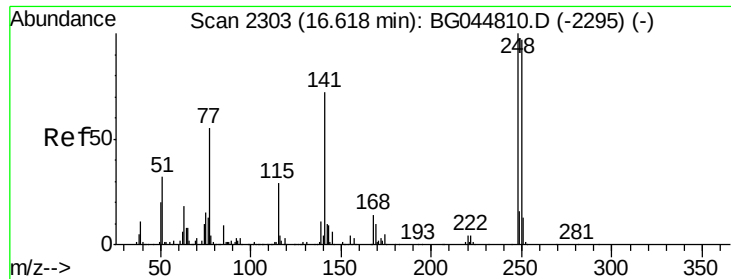
mohammad
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#66
 n-Nitrosodiphenylamine
 Concen: 36.778 ng
 RT: 15.93 min Scan# 2186
 Delta R.T. -0.00 min
 Lab File: BG044829.D
 Acq: 17 Mar 2020 11:55

Tgt Ion	Ratio	Resp	Lower	Upper
169	100	594159		
168	70.3		55.4	83.2
167	37.9		30.1	45.1





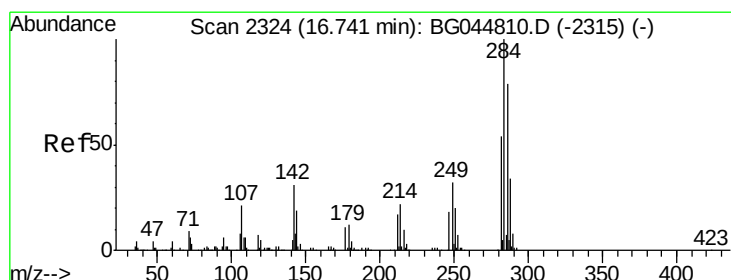
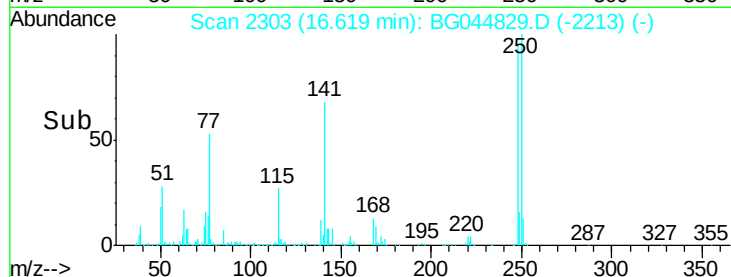
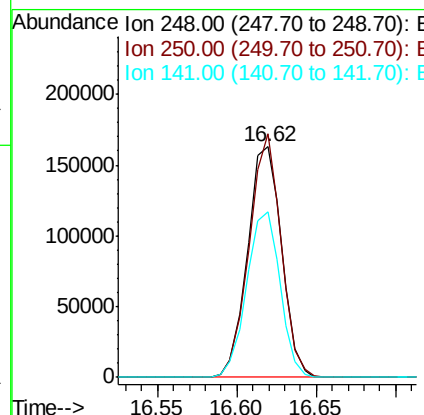
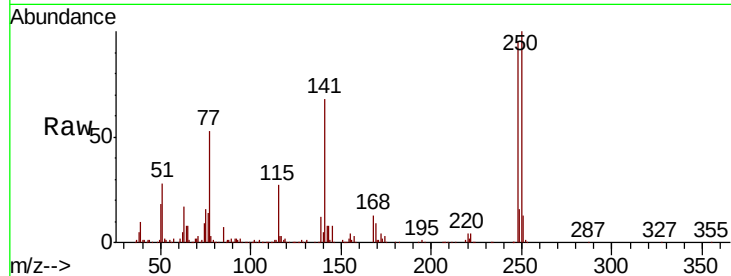
#67
4-Bromophenyl-phenylether
Concen: 36.228 ng
RT: 16.62 min Scan# 2303
Delta R.T. 0.00 min
Lab File: BG044829.D
Acq: 17 Mar 2020 11:55

Instrument :
BNA_G
ClientSampleId :
PB127438BS

Tot Ion	Ratio	Lower	Upper
248	100		
250	105.5	77.9	116.9
141	71.6	57.5	86.3

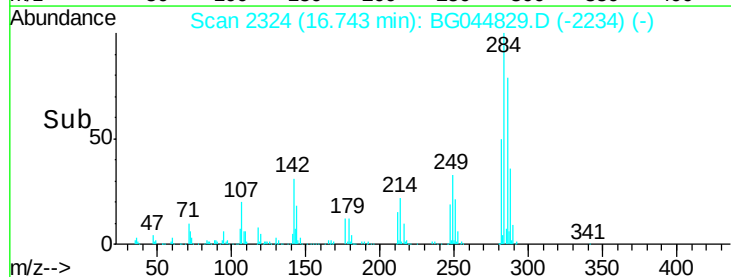
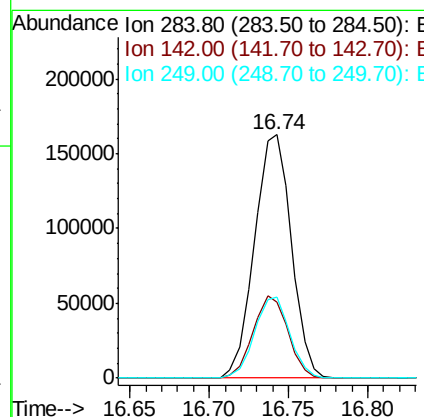
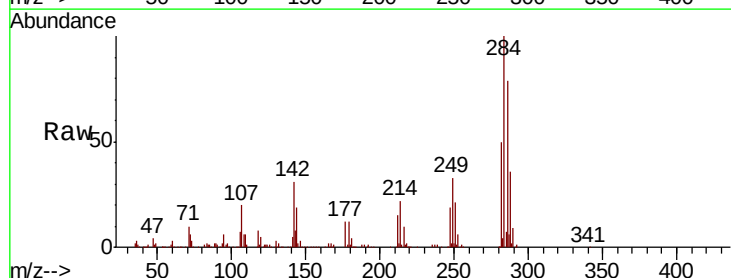
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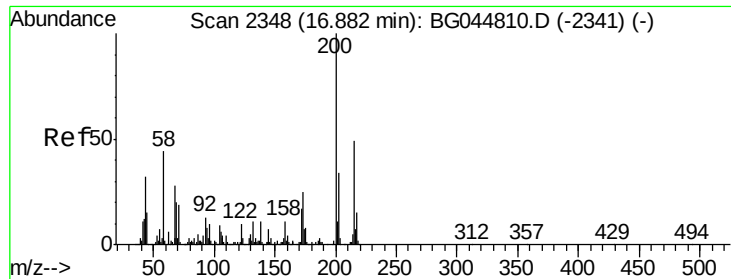
mohammad
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#68
Hexachlorobenzene
Concen: 36.108 ng
RT: 16.74 min Scan# 2324
Delta R.T. 0.00 min
Lab File: BG044829.D
Acq: 17 Mar 2020 11:55

Tgt Ion	Ratio	Lower	Upper
284	100		
142	31.3	25.0	37.6
249	33.2	25.8	38.8





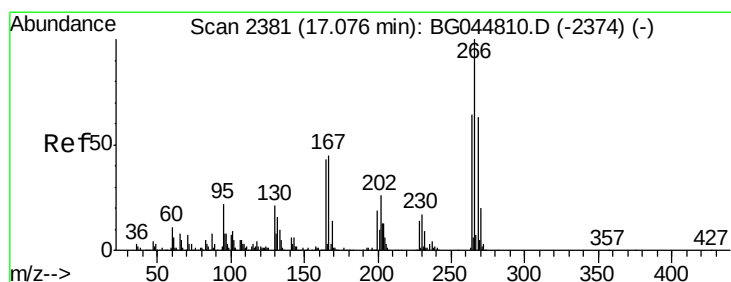
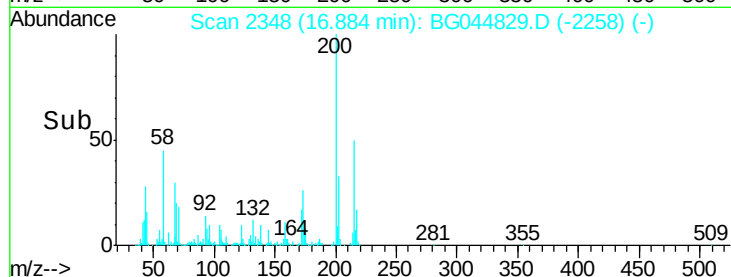
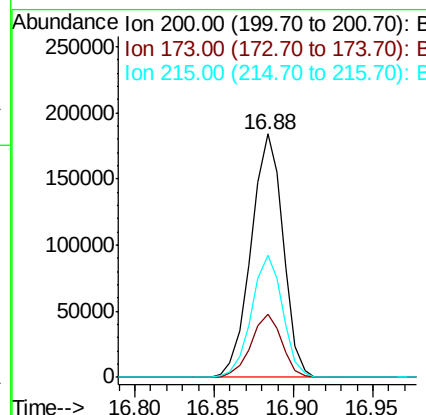
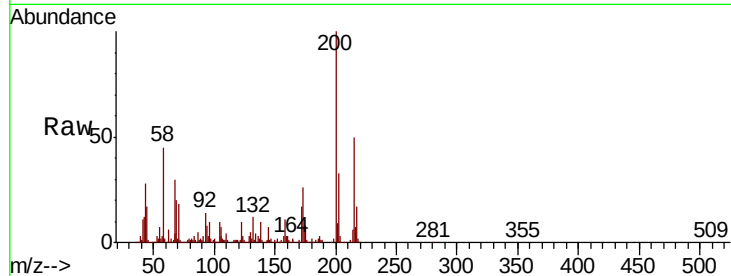
#69
Atrazine
Concen: 43.562 ng
RT: 16.88 min Scan# 2348
Delta R.T. 0.00 min
Lab File: BG044829.D
Acq: 17 Mar 2020 11:55

Instrument :
BNA_G
ClientSampleId :
PB127438BS

Tot Ion	Ratio	Lower	Upper
200	100		
173	25.8	5.3	45.3
215	50.2	28.9	68.9

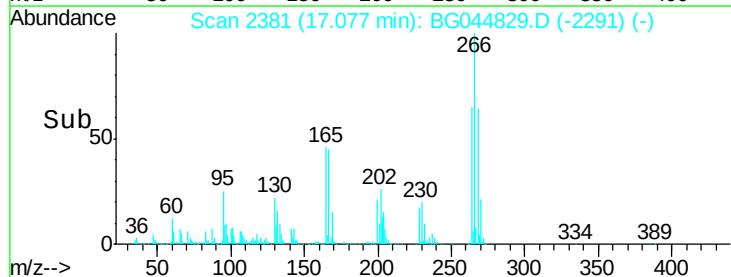
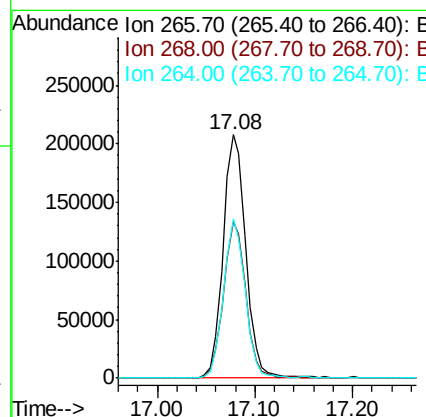
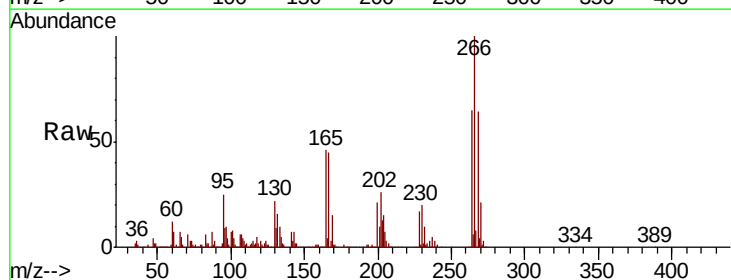
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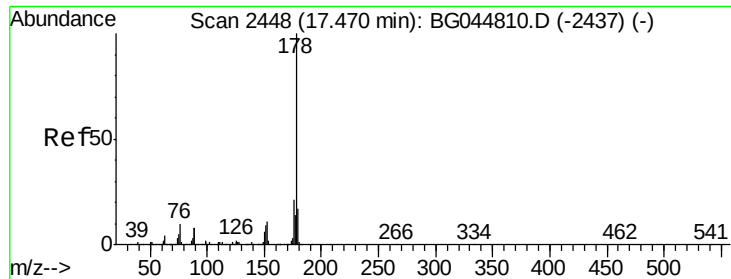
mohammad
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#70
Pentachlorophenol
Concen: 83.566 ng
RT: 17.08 min Scan# 2381
Delta R.T. 0.00 min
Lab File: BG044829.D
Acq: 17 Mar 2020 11:55

Tgt Ion	Ratio	Lower	Upper
266	100		
268	64.3	50.3	75.5
264	65.3	51.4	77.2





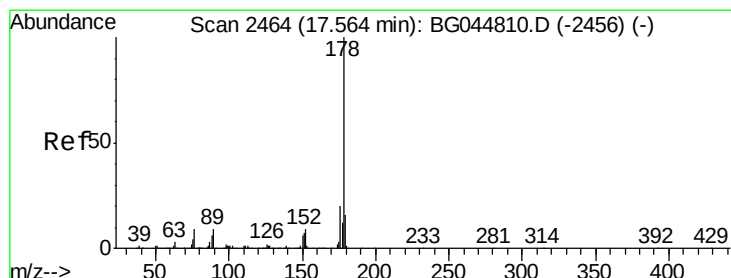
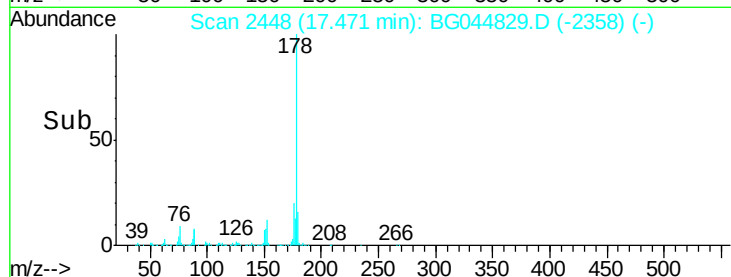
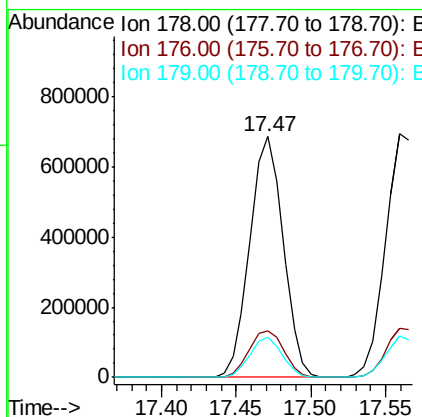
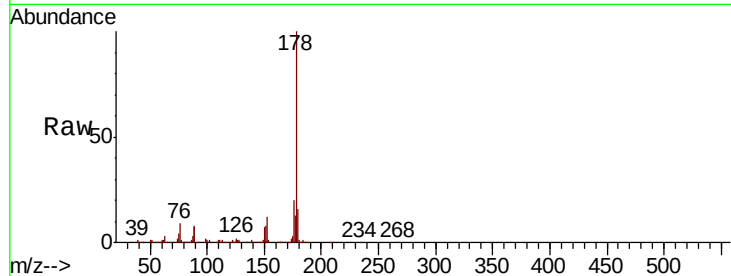
#71
Phenanthrene
Concen: 37.097 ng
RT: 17.47 min Scan# 2448
Delta R.T. 0.00 min
Lab File: BG044829.D
Acq: 17 Mar 2020 11:55

Instrument :
BNA_G
ClientSampleId :
PB127438BS

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.6	16.6	24.8
179	16.5	13.5	20.3

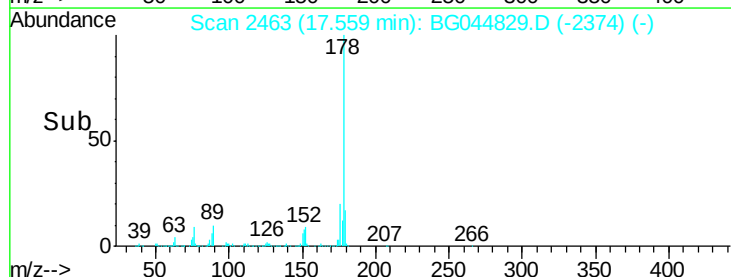
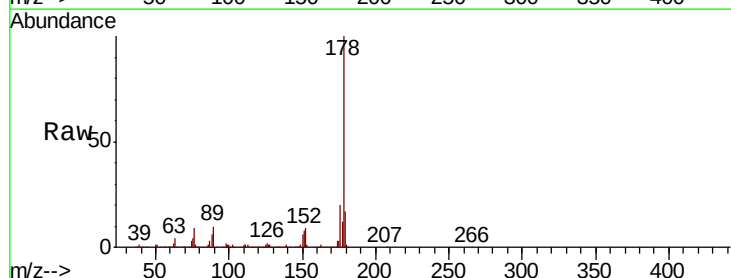
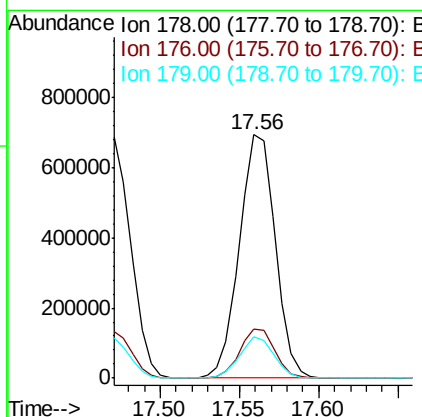
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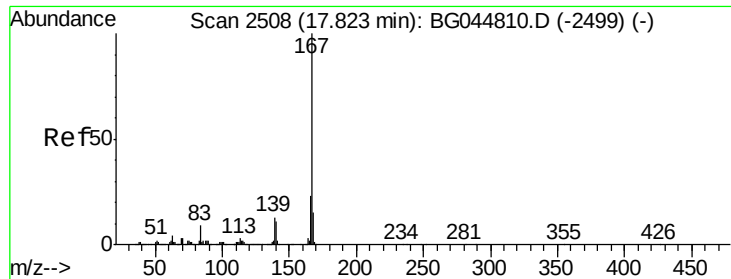
mohammad
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#72
Anthracene
Concen: 38.554 ng
RT: 17.56 min Scan# 2463
Delta R.T. -0.00 min
Lab File: BG044829.D
Acq: 17 Mar 2020 11:55

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.9	15.9	23.9
179	17.0	13.2	19.8





#73

Carbazole

Concen: 37.491 ng

RT: 17.82 min Scan# 2508

Delta R.T. 0.00 min

Lab File: BG044829.D

Acq: 17 Mar 2020 11:55

Instrument :

BNA_G

ClientSampleId :

PB127438BS

Tot Ion:167 Resp: 1018256

Ion Ratio Lower Upper

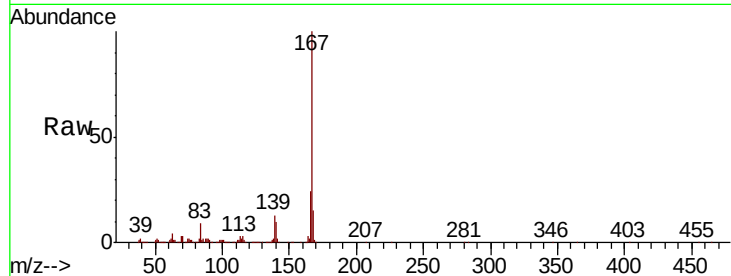
167 100

166 24.1 18.8 28.2

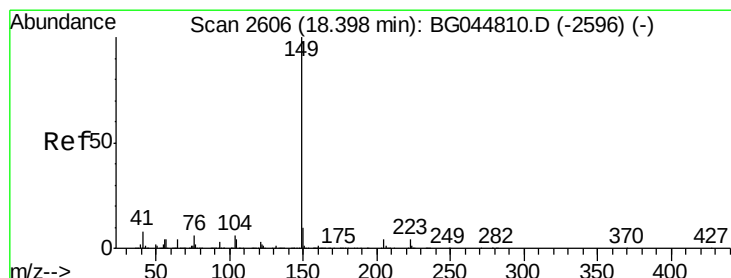
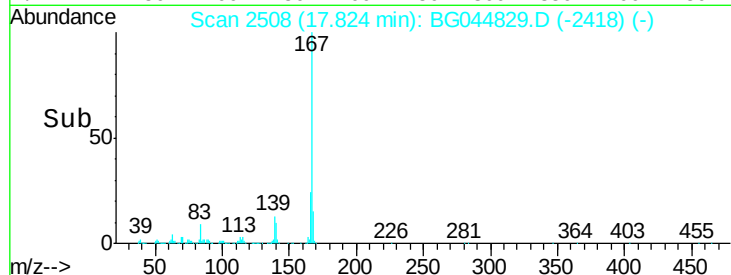
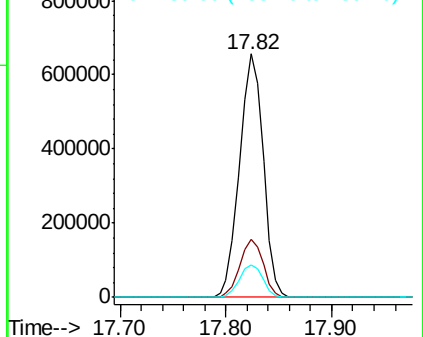
139 13.1 10.8 16.2

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



#74

Di-n-butylphthalate

Concen: 36.977 ng

RT: 18.39 min Scan# 2605

Delta R.T. -0.00 min

Lab File: BG044829.D

Acq: 17 Mar 2020 11:55

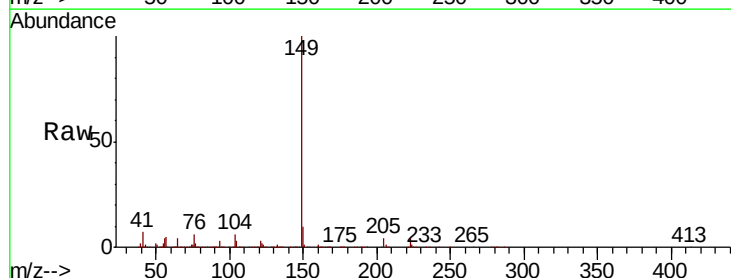
Tgt Ion:149 Resp: 1220822

Ion Ratio Lower Upper

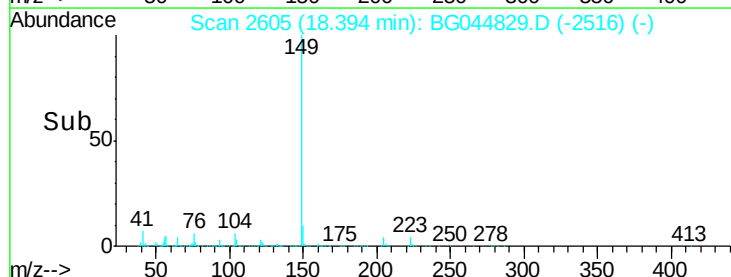
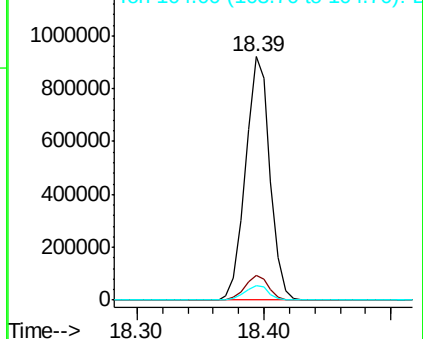
149 100

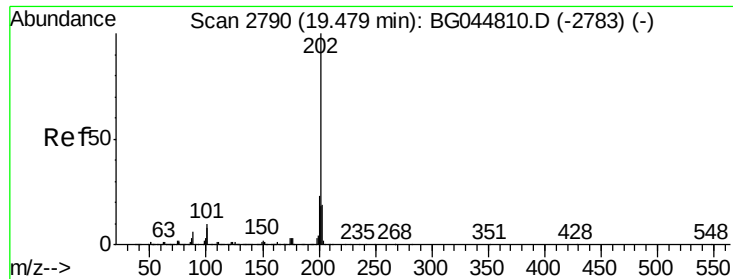
150 10.0 8.1 12.1

104 6.1 5.0 7.4



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





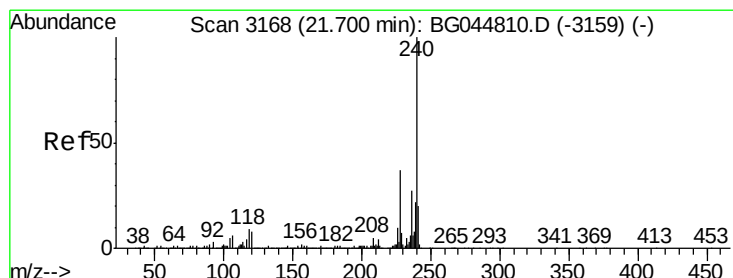
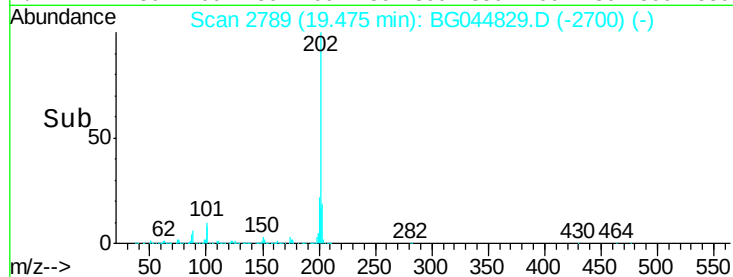
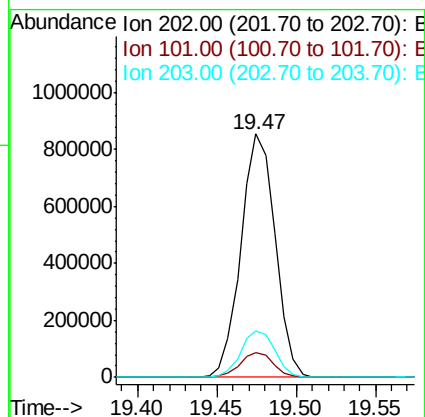
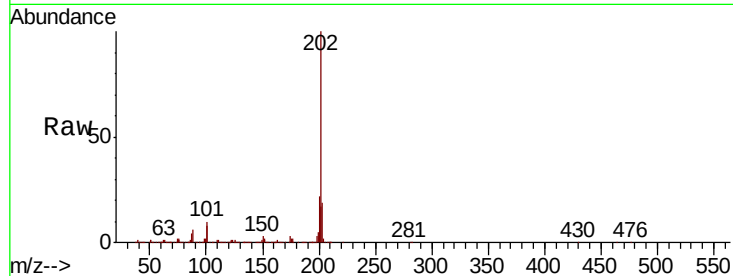
#75
 Fluoranthene
 Concen: 37.527 ng
 RT: 19.47 min Scan# 2789
 Delta R.T. -0.00 min
 Lab File: BG044829.D
 Acq: 17 Mar 2020 11:55

Instrument :
 BNA_G
 ClientSampleId :
 PB127438BS

Tot Ion	Ratio	Lower	Upper
202	100		
101	10.2	0.0	29.8
203	19.3	0.0	39.4

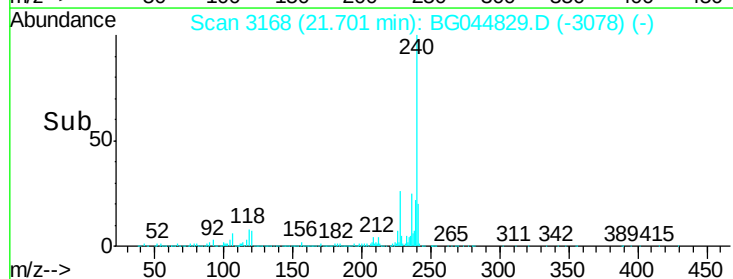
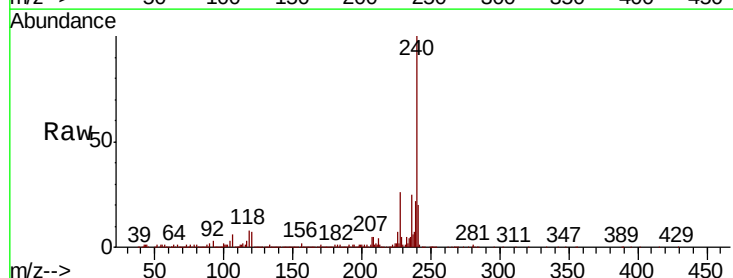
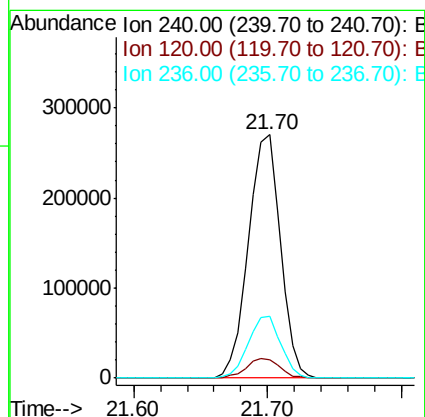
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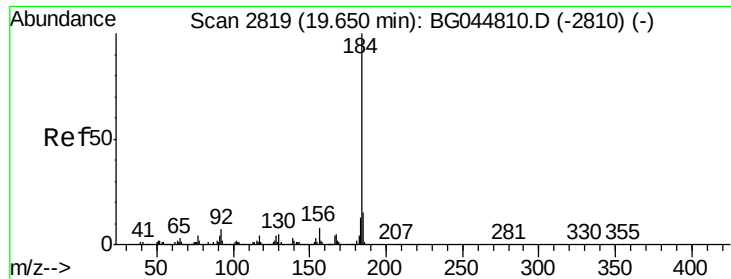
mohammad
 3/18/2020 4:00:01 PM



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.70 min Scan# 3168
 Delta R.T. 0.00 min
 Lab File: BG044829.D
 Acq: 17 Mar 2020 11:55

Tgt Ion	Ratio	Lower	Upper
240	100		
120	7.4	6.7	10.1
236	25.3	21.5	32.3





#77

Benzidine

Concen: 31.921 ng

RT: 19.65 min Scan# 2819

Delta R.T. 0.00 min

Lab File: BG044829.D

Acq: 17 Mar 2020 11:55

Instrument :

BNA_G

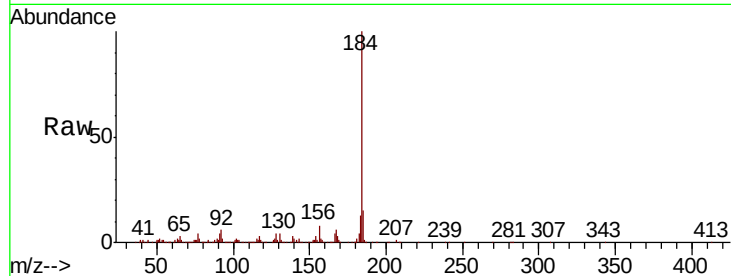
ClientSampleId :

PB127438BS

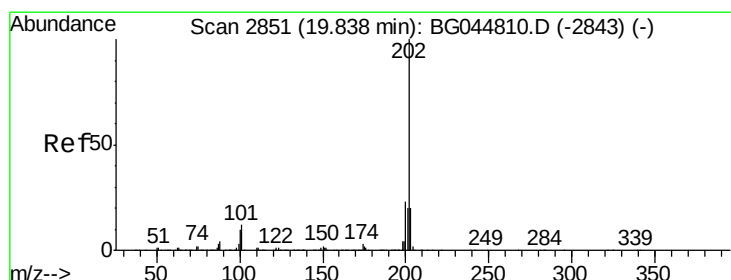
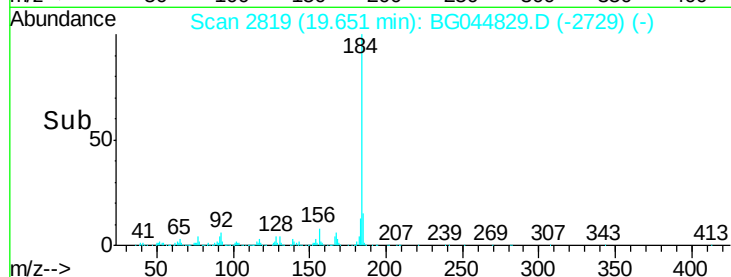
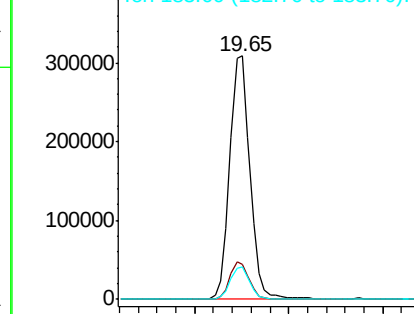
Tot Ion:	184	Resp:	463410
Ion Ratio	Lower	Upper	
184	100		
185	14.6	12.2	18.4
183	13.3	10.7	16.1

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Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 38.916 ng

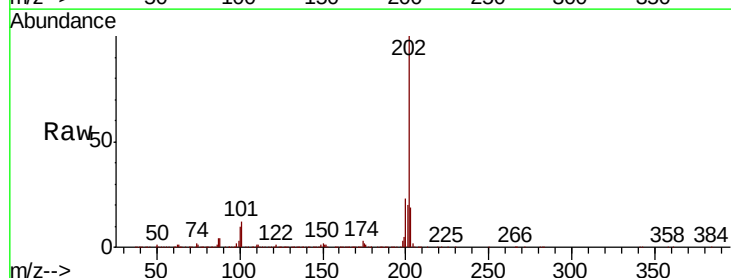
RT: 19.84 min Scan# 2851

Delta R.T. 0.00 min

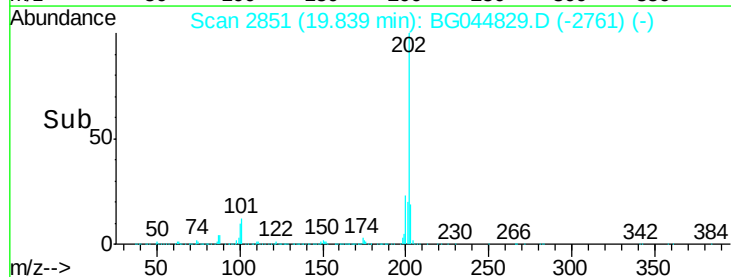
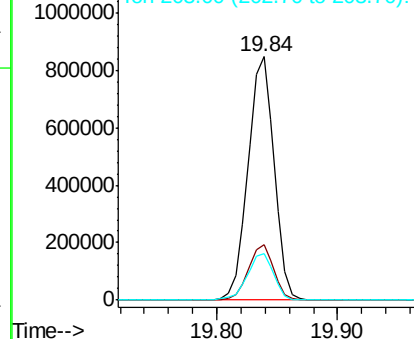
Lab File: BG044829.D

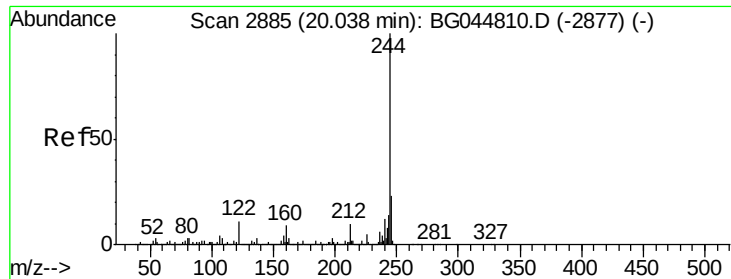
Acq: 17 Mar 2020 11:55

Tgt Ion:	202	Resp:	1276804
Ion Ratio	Lower	Upper	
202	100		
200	22.7	18.3	27.5
203	19.2	15.6	23.4



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 67.194 ng

RT: 20.04 min Scan# 2885

Delta R.T. 0.00 min

Lab File: BG044829.D

Acq: 17 Mar 2020 11:55

Instrument :

BNA_G

ClientSampleId :

PB127438BS

Tot Ion:244 Resp: 1606396

Ion Ratio Lower Upper

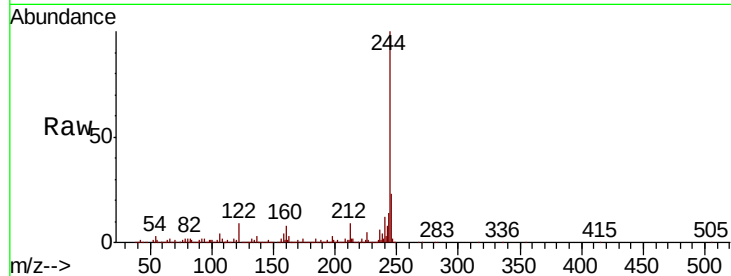
244 100

212 9.0 7.7 11.5

122 9.1 8.6 12.8

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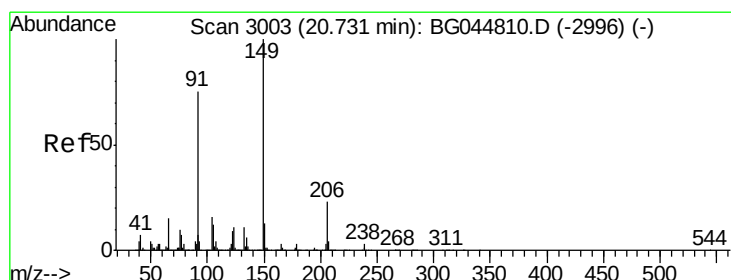
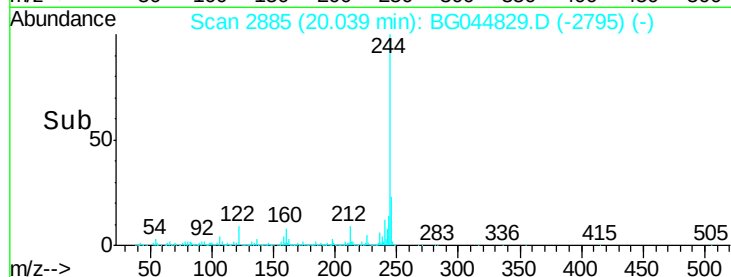
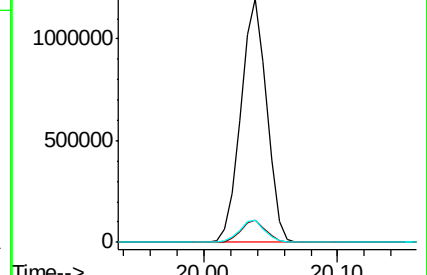
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 36.048 ng

RT: 20.73 min Scan# 3002

Delta R.T. -0.00 min

Lab File: BG044829.D

Acq: 17 Mar 2020 11:55

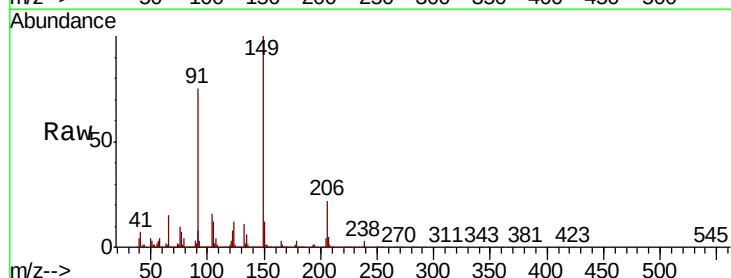
Tgt Ion:149 Resp: 526163

Ion Ratio Lower Upper

149 100

91 75.0 60.2 90.4

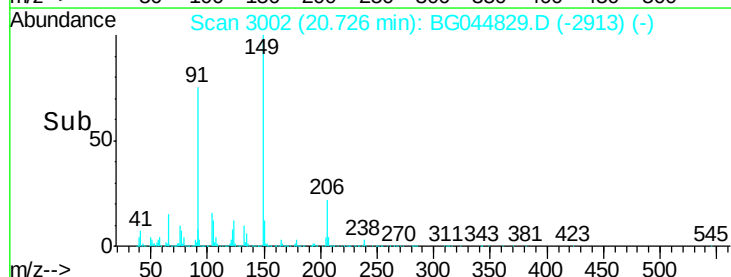
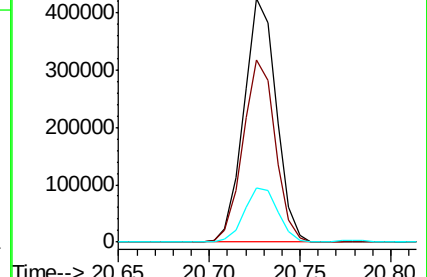
206 22.0 18.6 27.8

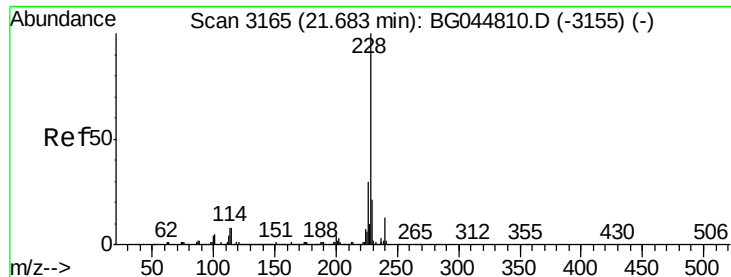


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 36.888 ng

RT: 21.68 min Scan# 3164

Delta R.T. -0.00 min

Lab File: BG044829.D

Acq: 17 Mar 2020 11:55

Instrument :

BNA_G

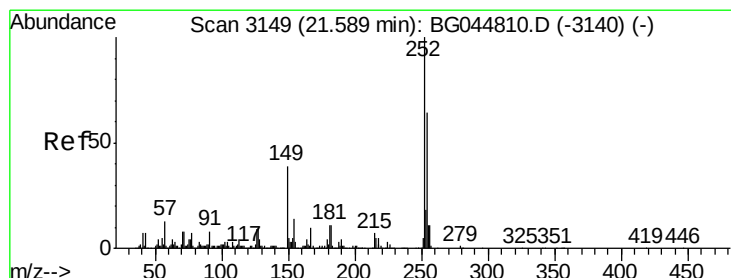
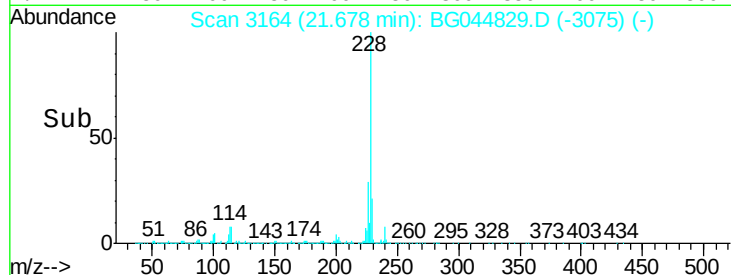
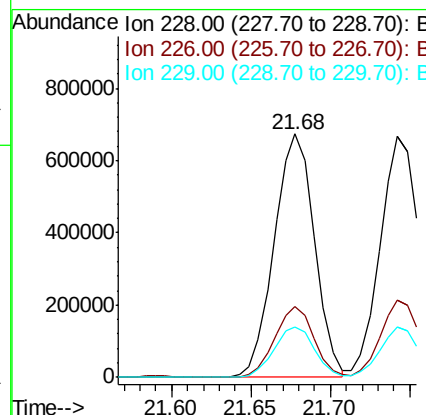
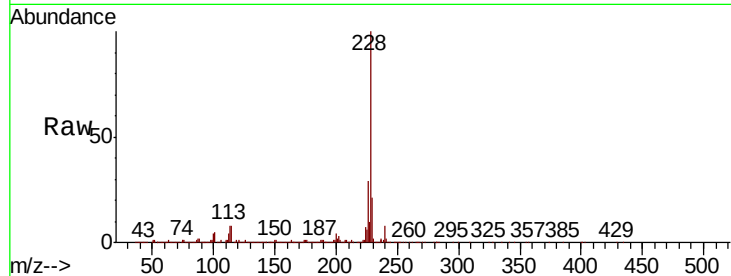
ClientSampleId :

PB127438BS

Tot Ion:	228	Resp:	1187847
Ion	Ratio	Lower	Upper
228	100		
226	28.8	23.6	35.4
229	20.6	17.1	25.7

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#82

3,3'-Dichlorobenzidine

Concen: 25.370 ng

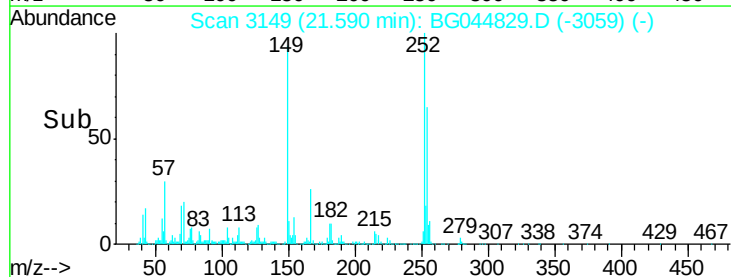
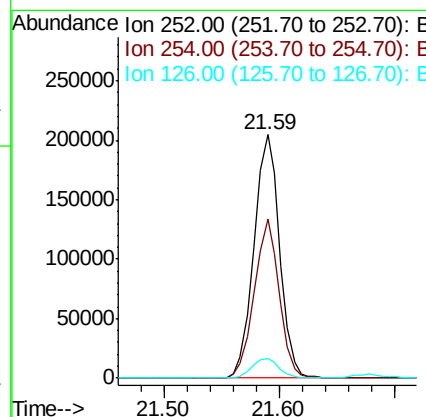
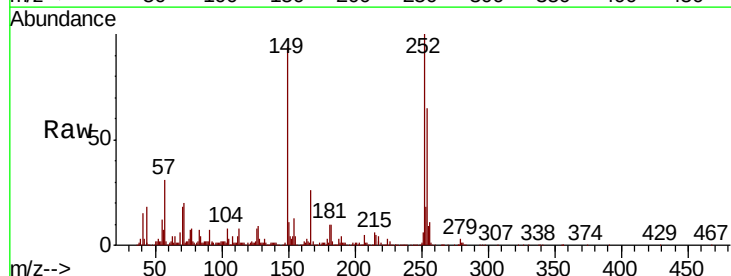
RT: 21.59 min Scan# 3149

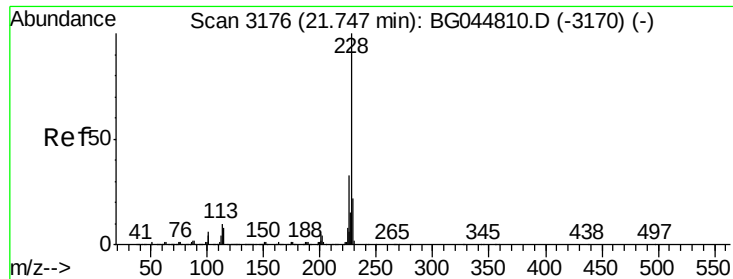
Delta R.T. 0.00 min

Lab File: BG044829.D

Acq: 17 Mar 2020 11:55

Tgt Ion:	252	Resp:	316047
Ion	Ratio	Lower	Upper
252	100		
254	65.3	51.6	77.4
126	8.2	7.0	10.6





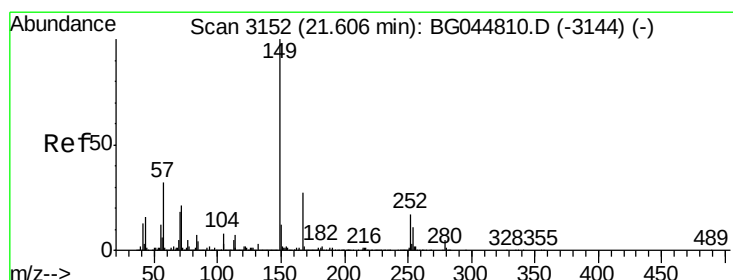
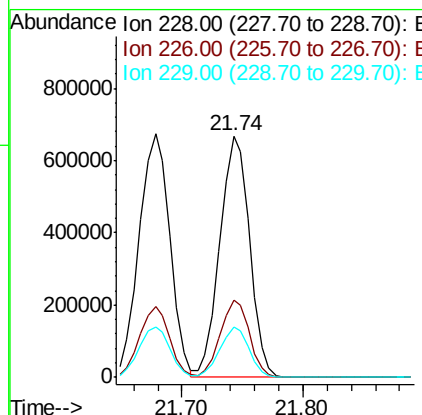
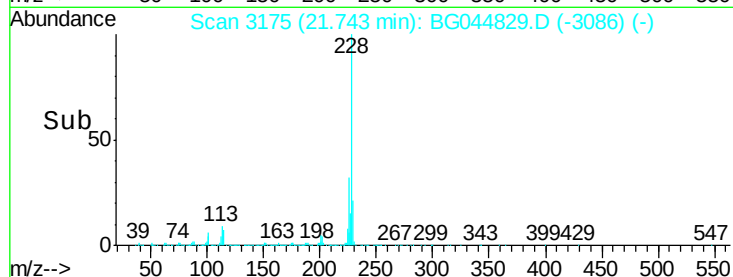
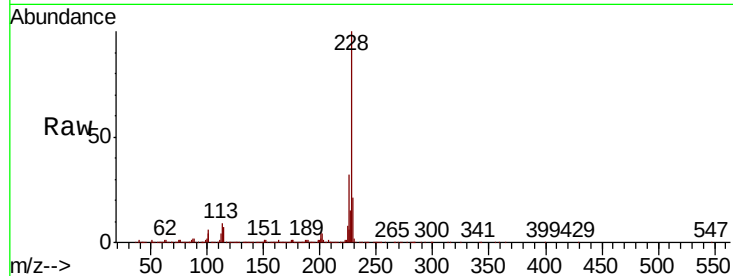
#83
Chrysene
Concen: 36.928 ng
RT: 21.74 min Scan# 3175
Delta R.T. -0.00 min
Lab File: BG044829.D
Acq: 17 Mar 2020 11:55

Instrument :
BNA_G
ClientSampleId :
PB127438BS

Tot Ion:228 Resp: 1135893
Ion Ratio Lower Upper
228 100
226 31.9 25.9 38.9
229 20.7 17.4 26.0

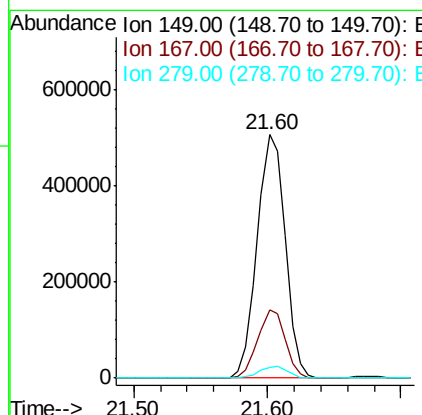
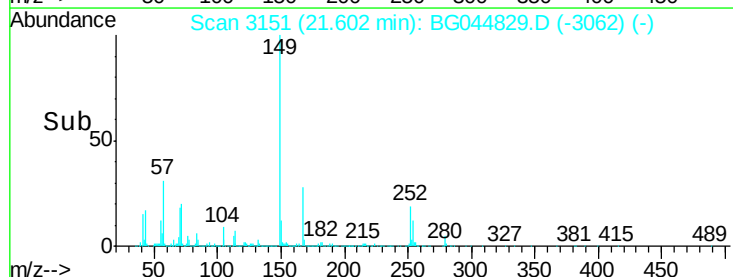
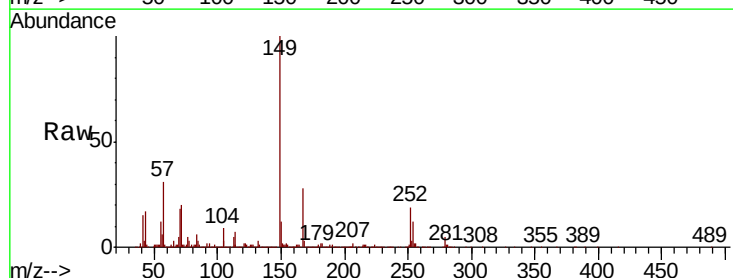
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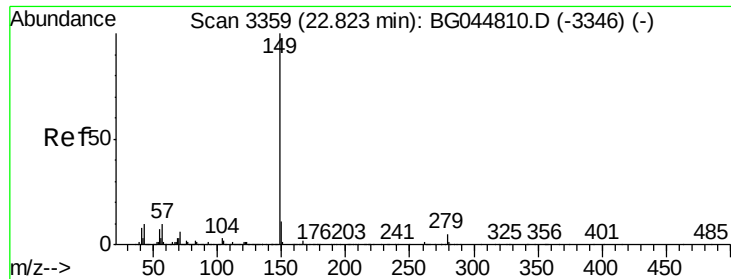
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#84
Bis(2-ethylhexyl)phthalate
Concen: 36.206 ng
RT: 21.60 min Scan# 3151
Delta R.T. -0.00 min
Lab File: BG044829.D
Acq: 17 Mar 2020 11:55

Tgt Ion:149 Resp: 729355
Ion Ratio Lower Upper
149 100
167 28.0 21.8 32.6
279 4.6 3.8 5.6





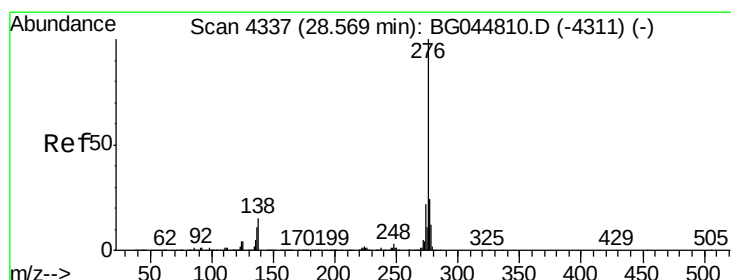
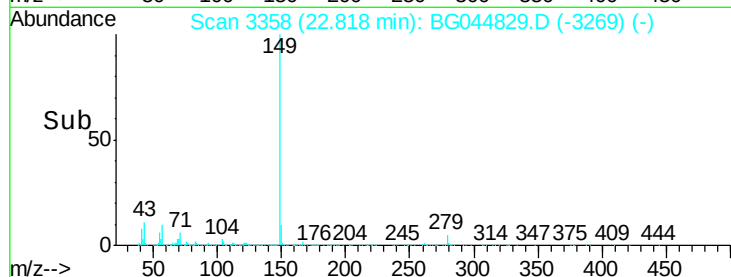
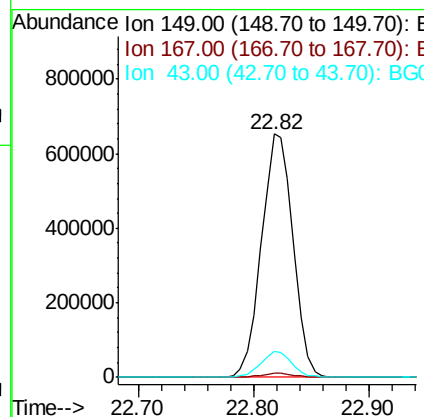
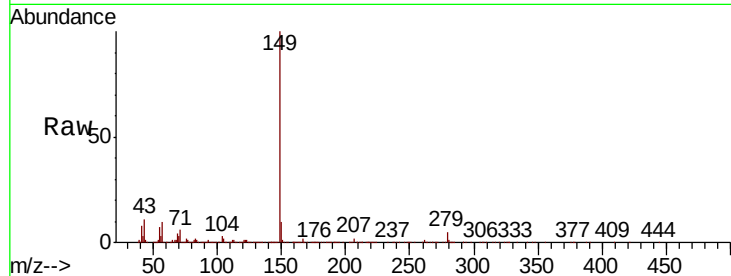
#85
Di-n-octyl phthalate
Concen: 36.721 ng
RT: 22.82 min Scan# 3358
Delta R.T. -0.00 min
Lab File: BG044829.D
Acq: 17 Mar 2020 11:55

Instrument :
BNA_G
ClientSampleId :
PB127438BS

Tot Ion	Ratio	Lower	Upper
149	100		
167	1.7	1.4	2.0
43	10.1	8.2	12.4

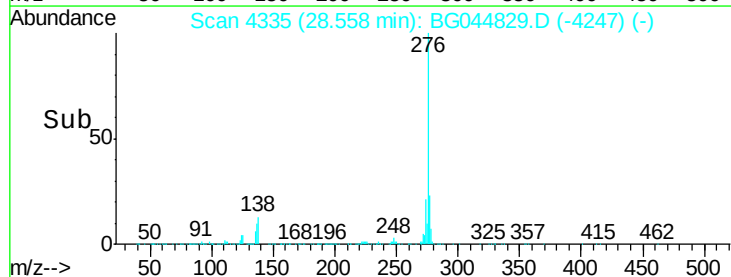
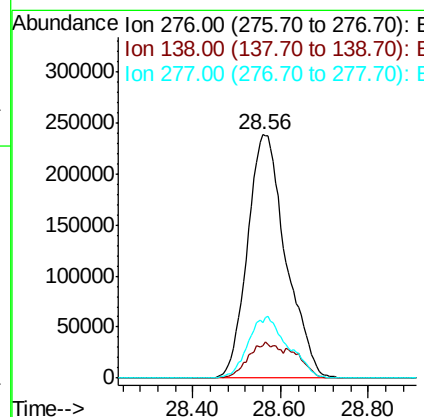
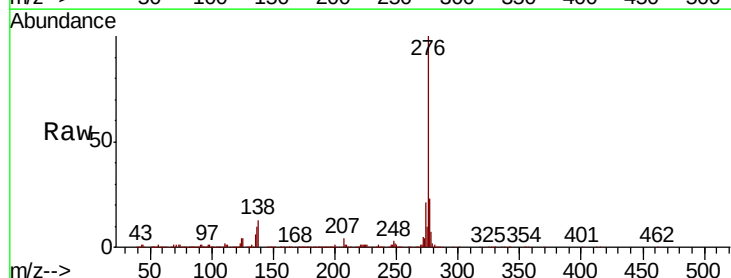
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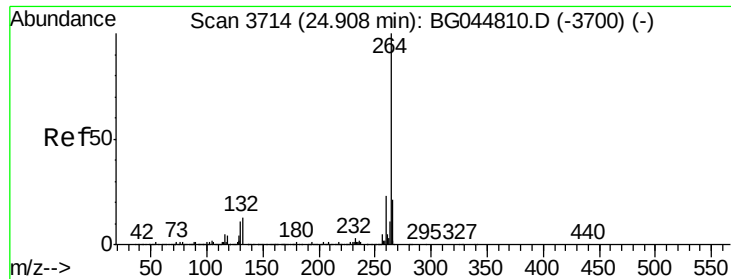
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#86
Indeno(1,2,3-cd)pyrene
Concen: 35.165 ng
RT: 28.56 min Scan# 4335
Delta R.T. -0.01 min
Lab File: BG044829.D
Acq: 17 Mar 2020 11:55

Tgt Ion	Ratio	Lower	Upper
276	100		
138	11.9	7.4	11.0#
277	26.1	20.8	31.2





#87

Pervlene-d12

Concen: 20.000 ng

RT: 24.90 min Scan# 3713

Delta R.T. -0.00 min

Lab File: BG044829.D

Acq: 17 Mar 2020 11:55

Instrument :

BNA_G

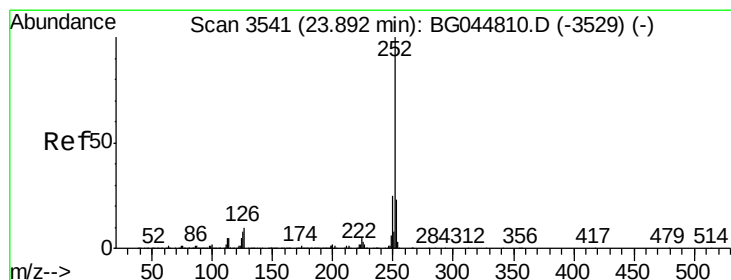
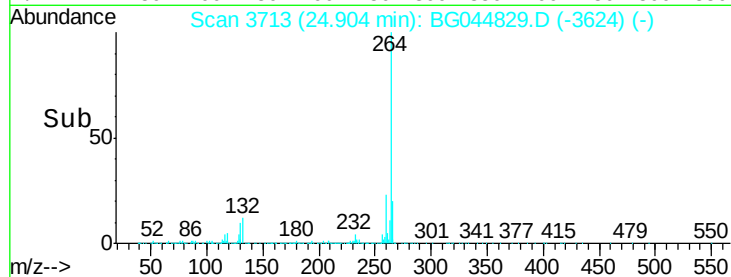
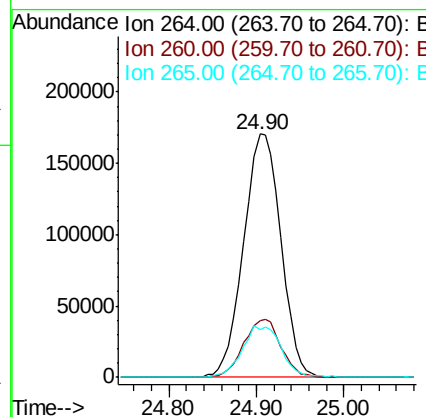
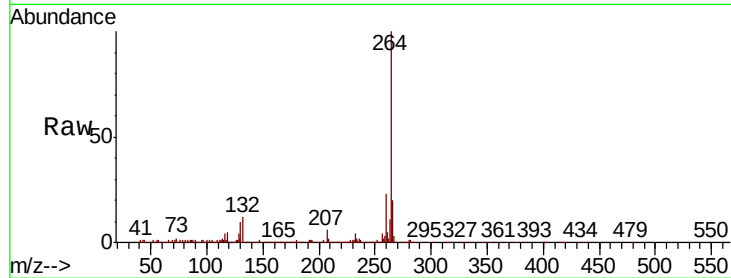
ClientSampleId :

PB127438BS

Tot Ion:	264	Resp:	493848
Ion Ratio		Lower	Upper
264	100		
260	23.3	18.1	27.1
265	19.8	17.1	25.7

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#88

Benzo(b)fluoranthene

Concen: 37.912 ng

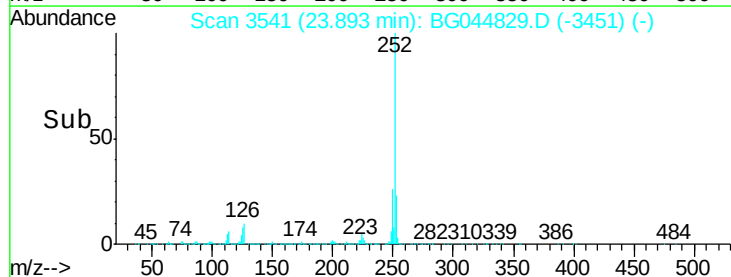
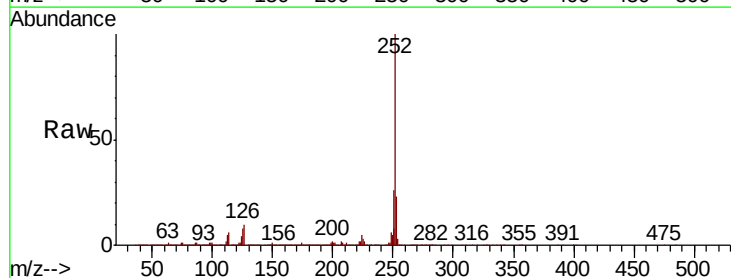
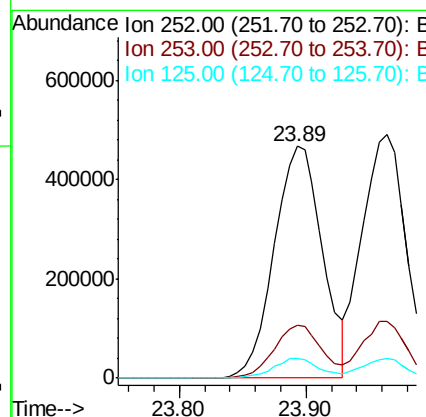
RT: 23.89 min Scan# 3541

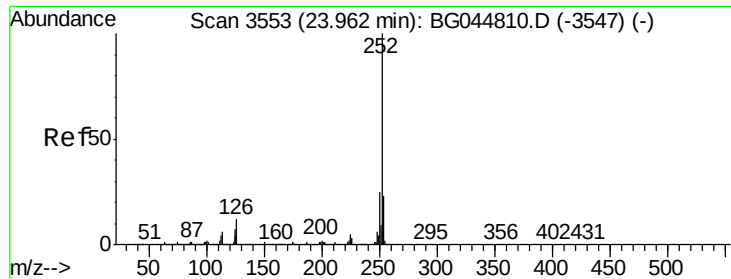
Delta R.T. 0.00 min

Lab File: BG044829.D

Acq: 17 Mar 2020 11:55

Tgt Ion:	252	Resp:	1236027
Ion Ratio		Lower	Upper
252	100		
253	22.8	18.1	27.1
125	8.4	6.6	9.8





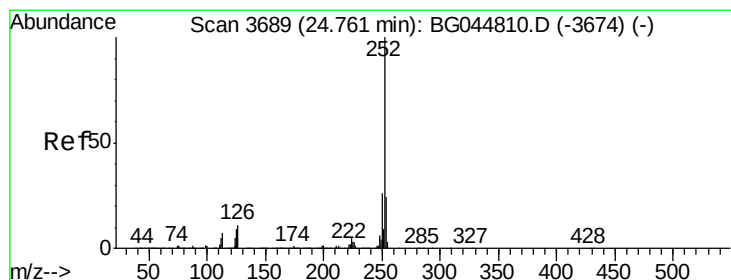
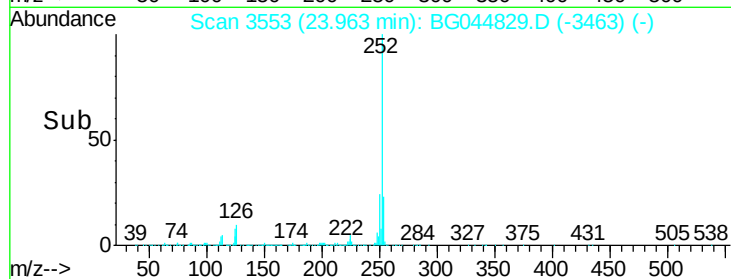
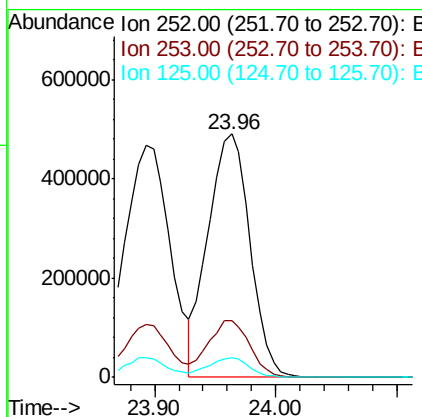
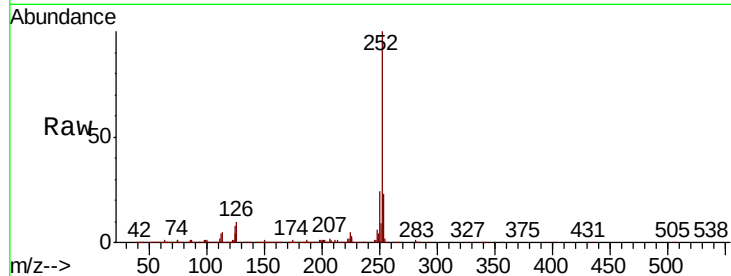
#89
Benzo(k)fluoranthene
Concen: 38.180 ng
RT: 23.96 min Scan# 3553
Delta R.T. 0.00 min
Lab File: BG044829.D
Acq: 17 Mar 2020 11:55

Instrument :
BNA_G
ClientSampleId :
PB127438BS

Tot Ion:252 Resp: 1177967
Ion Ratio Lower Upper
252 100
253 23.2 18.5 27.7
125 8.1 6.2 9.2

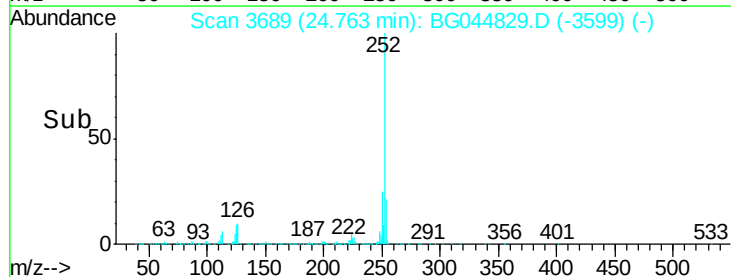
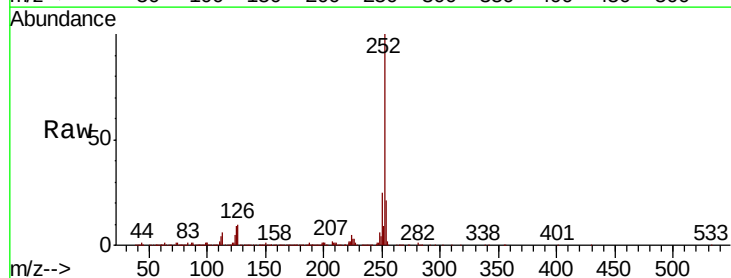
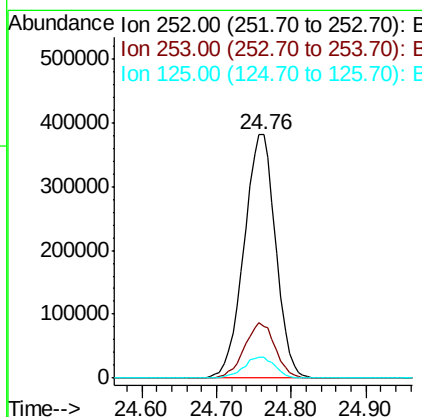
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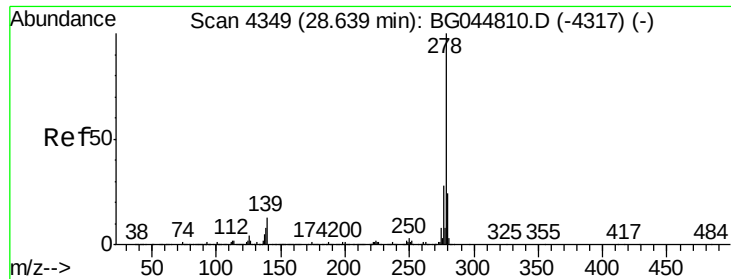
mohammad
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#90
Benzo(a)pyrene
Concen: 36.719 ng
RT: 24.76 min Scan# 3689
Delta R.T. 0.00 min
Lab File: BG044829.D
Acq: 17 Mar 2020 11:55

Tgt Ion:252 Resp: 1120180
Ion Ratio Lower Upper
252 100
253 21.3 19.4 29.0
125 8.6 7.2 10.8





#91

Dibenzo(a,h)anthracene

Concen: 38.593 ng

RT: 28.63 min Scan# 4348

Delta R.T. -0.00 min

Lab File: BG044829.D

Acq: 17 Mar 2020 11:55

Instrument :

BNA_G

ClientSampleId :

PB127438BS

Tot Ion:278 Resp: 1161499

Ion Ratio Lower Upper

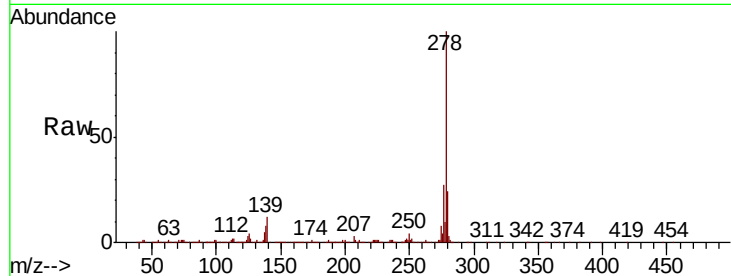
278 100

139 11.6 10.2 15.2

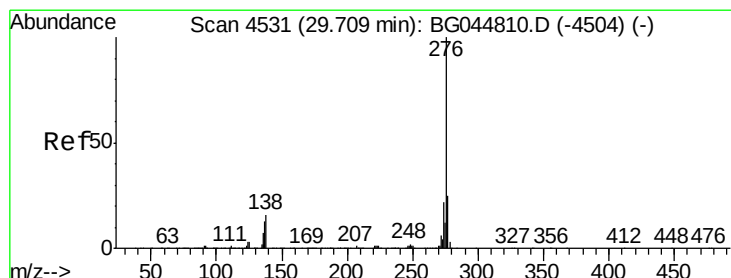
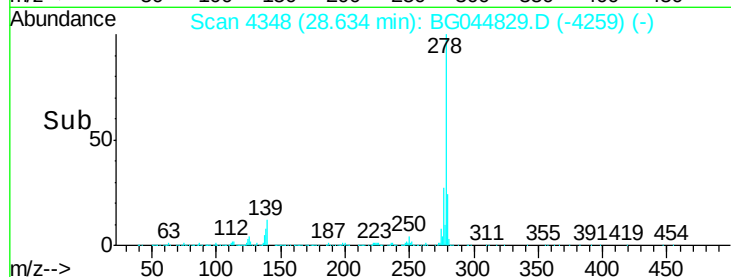
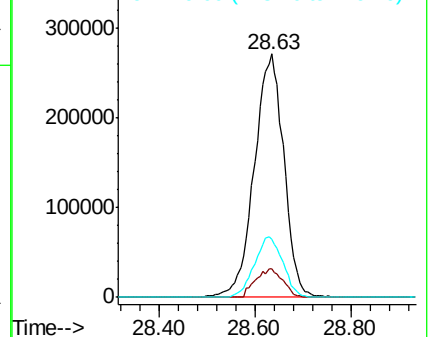
279 23.8 18.9 28.3

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Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 38.786 ng

RT: 29.70 min Scan# 4530

Delta R.T. -0.00 min

Lab File: BG044829.D

Acq: 17 Mar 2020 11:55

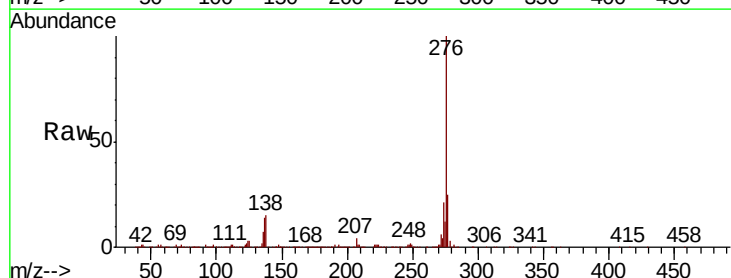
Tgt Ion:276 Resp: 1179374

Ion Ratio Lower Upper

276 100

277 24.8 20.1 30.1

138 14.8 13.0 19.6



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

