

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061620\
 Data File : BG045777.D
 Acq On : 16 Jun 2020 18:01
 Operator : CG/JU
 Sample : L2808-05MS
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 HR-06-061120MS

Manual Integrations
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mohammad
 6/18/2020 11:51:33 AM

Quant Time: Jun 17 02:58:27 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG061520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 15 18:34:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.92	152	57043	20.00	ng	0.00
21) Naphthalene-d8	10.72	136	219579	20.00	ng	0.00
39) Acenaphthene-d10	14.57	164	165142	20.00	ng	0.00
64) Phenanthrene-d10	17.32	188	397830	20.00	ng	0.00
76) Chrysene-d12	21.57	240	375407	20.00	ng	0.00
86) Perylene-d12	24.70	264	412887	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.54	112	354867	105.09	ng	0.00
7) Phenol-d6	7.17	99	435603	84.81	ng	0.00
23) Nitrobenzene-d5	9.09	82	385064	80.11	ng	0.00
42) 2,4,6-Tribromophenol	16.07	330	299468	120.11	ng	0.00
45) 2-Fluorobiphenyl	13.19	172	883672	78.64	ng	0.00
79) Terphenyl-d14	19.94	244	1532707	82.74	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.37	88	52754	34.109	ng	# 41
3) Pyridine	3.78	79	141500	30.874	ng	98
4) n-Nitrosodimethylamine	3.68	42	65829	42.791	ng	95
6) Aniline	7.25	93	109437	18.095	ng	99
8) 2-Chlorophenol	7.51	128	156350	43.256	ng	95
9) Benzaldehyde	7.05	77	84583	27.416	ng	97
10) Phenol	7.19	94	166315	33.417	ng	97
11) bis(2-Chloroethyl)ether	7.34	93	148562	39.299	ng	97
12) 1,3-Dichlorobenzene	7.81	146	177392	41.182	ng	97
13) 1,4-Dichlorobenzene	7.95	146	178977	41.598	ng	97
14) 1,2-Dichlorobenzene	8.28	146	164656	39.975	ng	96
15) Benzyl Alcohol	8.18	79	159736	40.186	ng	98
16) 2,2'-oxybis(1-Chloropropan	8.45	45	138853	38.973	ng	90
17) 2-Methylphenol	8.42	107	136514	36.857	ng	96
18) Hexachloroethane	9.00	117	68173	41.719	ng	96
19) n-Nitroso-di-n-propylamine	8.73	70	139453	41.296	ng	# 95
20) 3+4-Methylphenols	8.76	107	176045	36.141	ng	90
22) Acetophenone	8.75	105	253796	42.111	ng	# 99
24) Nitrobenzene	9.13	77	213782	41.714	ng	98
25) Isophorone	9.65	82	380741	40.918	ng	99
26) 2-Nitrophenol	9.84	139	90363	42.322	ng	94
27) 2,4-Dimethylphenol	9.94	122	142536	43.726	ng	95
28) bis(2-Chloroethoxy)methane	10.13	93	206646	42.515	ng	98
29) 2,4-Dichlorophenol	10.41	162	168980	44.431	ng	94
30) 1,2,4-Trichlorobenzene	10.59	180	184914	41.070	ng	99
31) Naphthalene	10.78	128	497253	41.422	ng	98
32) Benzoic acid	10.14	122	76105	38.244	ng	94
33) 4-Chloroaniline	10.91	127	24385	4.851	ng	# 94
34) Hexachlorobutadiene	11.07	225	130290	40.690	ng	95
35) Caprolactam	11.68	113	36542m	29.692	ng	
36) 4-Chloro-3-methylphenol	12.08	107	192019	43.728	ng	97
37) 2-Methylnaphthalene	12.39	142	382062	42.740	ng	99
38) 1-Methylnaphthalene	12.60	142	366537	43.329	ng	100
40) 1,2,4,5-Tetrachlorobenzene	12.76	216	217436	39.987	ng	98

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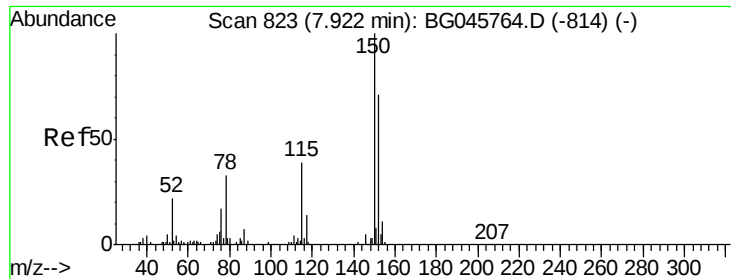
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.74	237	215026	72.474	nq	99
43) 2,4,6-Trichlorophenol	13.02	196	154078	41.792	nq	98
44) 2,4,5-Trichlorophenol	13.12	196	164925	39.250	nq	98
46) 1,1'-Biphenyl	13.40	154	486856	41.178	nq	99
47) 2-Chloronaphthalene	13.44	162	384999	40.311	nq	97
48) 2-Nitroaniline	13.66	65	127848	40.243	nq	98
49) Acenaphthylene	14.29	152	624344	40.813	nq	98
50) Dimethylphthalate	14.03	163	644934	49.851	nq	100
51) 2,6-Dinitrotoluene	14.15	165	119863	41.251	nq	93
52) Acenaphthene	14.63	154	382334	41.232	nq	96
53) 3-Nitroaniline	14.50	138	43055	14.834	nq	99
54) 2,4-Dinitrophenol	14.70	184	140144	85.889	nq	93
55) Dibenzofuran	14.97	168	623400	41.385	nq	99
56) 4-Nitrophenol	14.88	139	132416	64.490	nq	97
57) 2,4-Dinitrotoluene	14.94	165	171825	41.272	nq	99
58) Fluorene	15.62	166	526867	42.063	nq	100
59) 2,3,4,6-Tetrachlorophenol	15.22	232	163290	44.774	nq	97
60) Diethylphthalate	15.40	149	552468	41.774	nq	97
61) 4-Chlorophenyl-phenylether	15.61	204	293833	40.701	nq	99
62) 4-Nitroaniline	15.67	138	101000	33.907	nq	91
63) Azobenzene	15.91	77	539644	42.496	nq	98
65) 4,6-Dinitro-2-methylphenol	15.71	198	113801	46.287	nq	95
66) n-Nitrosodiphenylamine	15.83	169	467150	41.457	nq	100
67) 4-Bromophenyl-phenylether	16.51	248	207762	40.192	nq	97
68) Hexachlorobenzene	16.63	284	222207	41.454	nq	93
69) Atrazine	16.79	200	179581	41.070	nq	98
70) Pentachlorophenol	16.99	266	237215	88.805	nq	97
71) Phenanthrene	17.36	178	855998	41.720	nq	98
72) Anthracene	17.45	178	863282	42.253	nq	99
73) Carbazole	17.73	167	791490	40.685	nq	98
74) Di-n-butylphthalate	18.29	149	934483	40.568	nq	100
75) Fluoranthene	19.37	202	1052707	41.725	nq	100
77) Benzidine	19.56	184	234236	24.001	nq	98
78) Pyrene	19.74	202	1031407	41.029	nq	99
80) Butylbenzylphthalate	20.62	149	426772	40.559	nq	96
81) Benzo(a)anthracene	21.56	228	1000692	41.115	nq	100
82) 3,3'-Dichlorobenzidine	21.48	252	146737	15.939	nq	# 96
83) Chrysene	21.62	228	958483	40.715	nq	98
84) Bis(2-ethylhexyl)phthalate	21.47	149	681374	46.554	nq	97
85) Di-n-octyl phthalate	22.65	149	1015768	40.234	nq	100
87) Indeno(1,2,3-cd)pyrene	28.26	276	1282648	42.851	nq	# 98
88) Benzo(b)fluoranthene	23.72	252	1093494	42.240	nq	98
89) Benzo(k)fluoranthene	23.78	252	1047970	42.297	nq	97
90) Benzo(a)pyrene	24.56	252	991984	41.021	nq	99
91) Dibenzo(a,h)anthracene	28.31	278	1048903	43.699	nq	99
92) Benzo(g,h,i)perylene	29.36	276	1050035	43.706	nq	98

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



#1

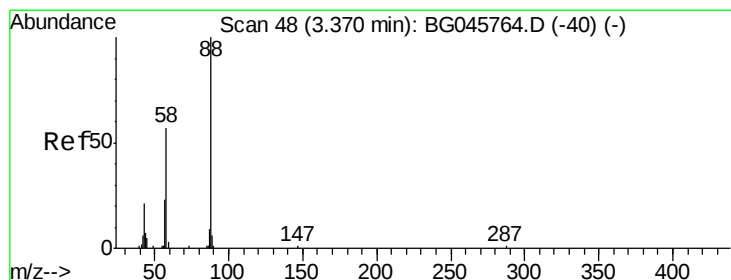
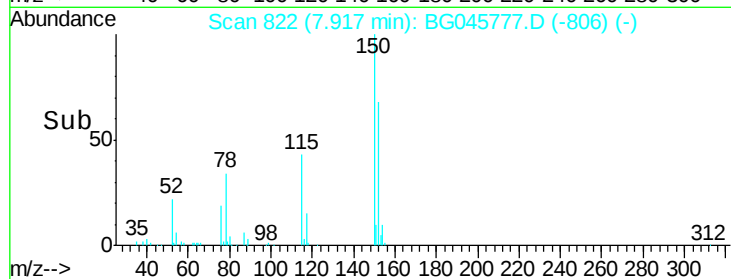
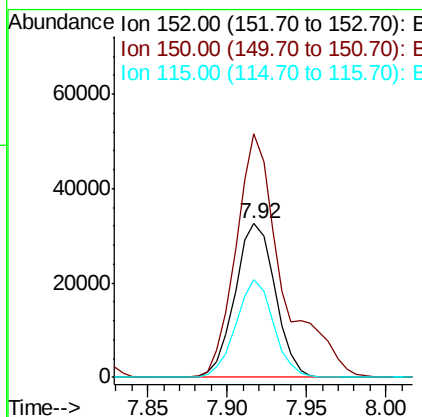
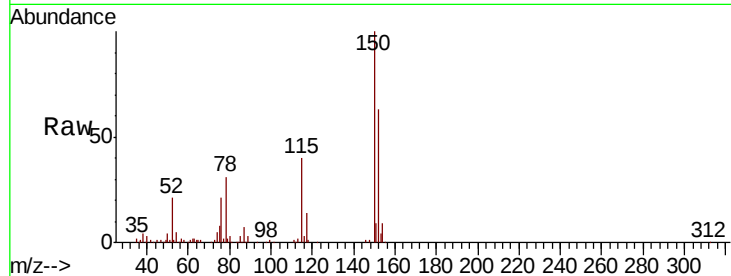
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.92 min Scan# 822
Delta R.T. -0.01 min
Lab File: BG045777.D
Acq: 16 Jun 2020 18:01

Instrument :
BNA_G
ClientSampleId :
HR-06-061120MS

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.3	113.1	169.7
115	63.2	43.8	65.6

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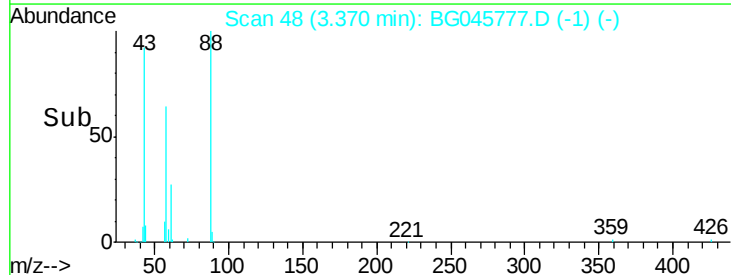
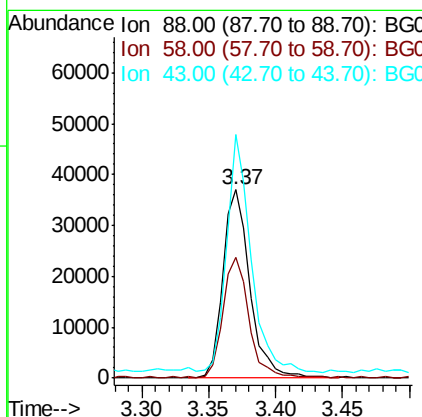
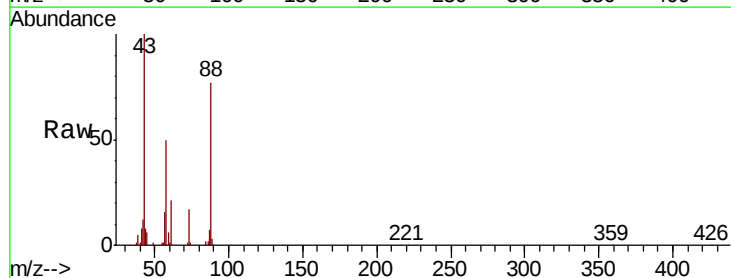
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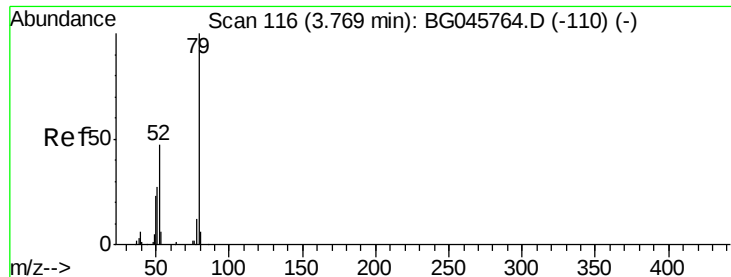


#2

1,4-Dioxane
Concen: 34.109 ng
RT: 3.37 min Scan# 48
Delta R.T. 0.00 min
Lab File: BG045777.D
Acq: 16 Jun 2020 18:01

Tgt Ion	Ratio	Lower	Upper
88	100		
58	62.7	46.1	69.1
43	114.8	19.2	28.8#





#3

Pvridine

Concen: 30.874 ng

RT: 3.78 min Scan# 117

Delta R.T. 0.01 min

Lab File: BG045777.D

Acq: 16 Jun 2020 18:01

Instrument :

BNA_G

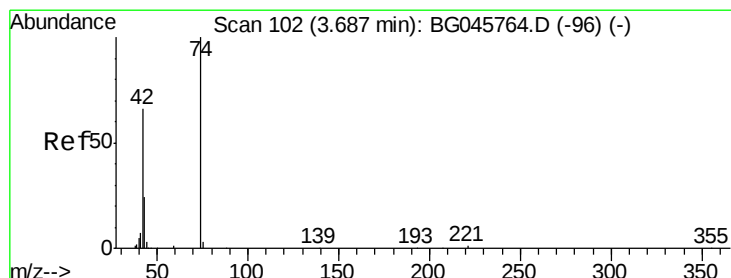
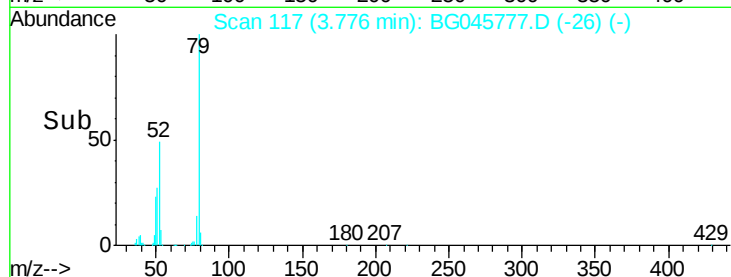
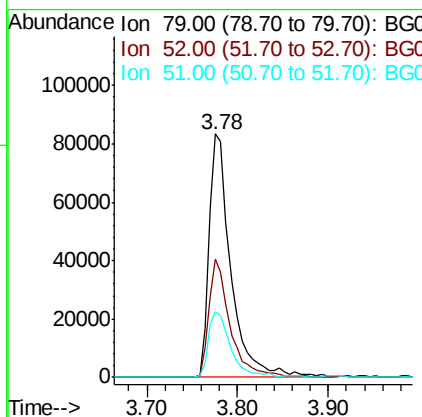
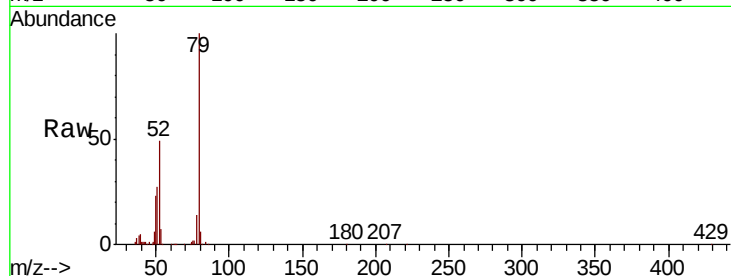
ClientSampleId :

HR-06-061120MS

Tot Ion:	79	Resp:	141500
Ion Ratio	Lower	Upper	
79	100		
52	48.6	37.9	56.9
51	26.9	22.0	33.0

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#4

n-Nitrosodimethylamine

Concen: 42.791 ng

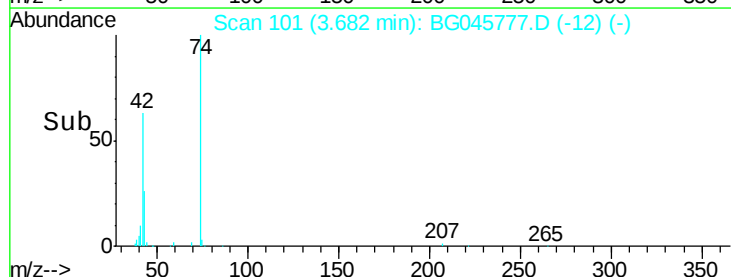
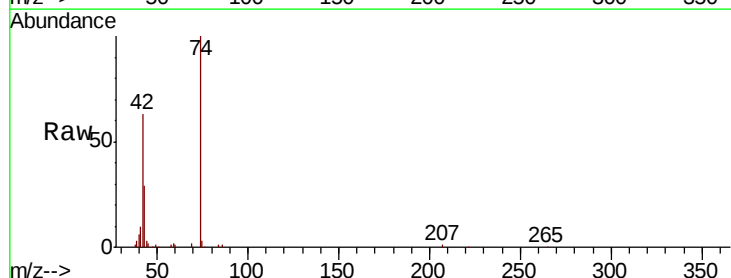
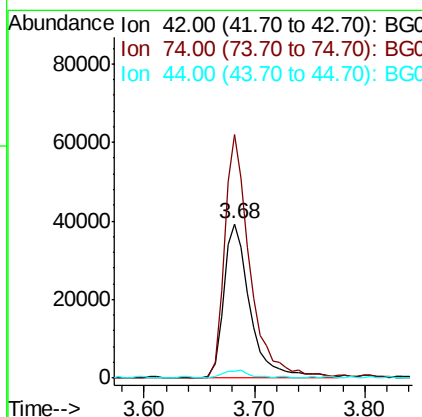
RT: 3.68 min Scan# 101

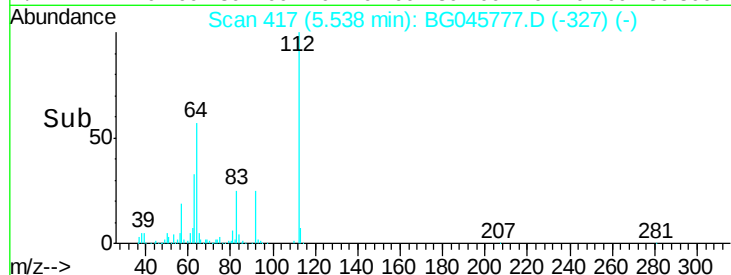
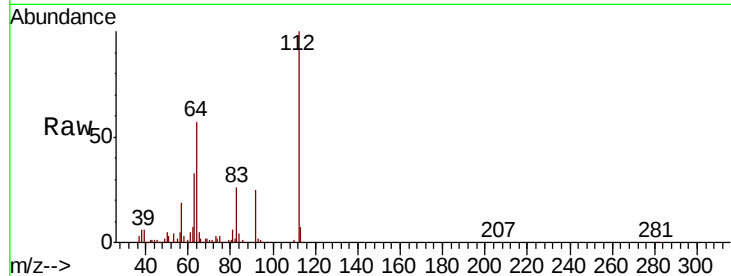
Delta R.T. -0.01 min

Lab File: BG045777.D

Acq: 16 Jun 2020 18:01

Tgt Ion:	42	Resp:	65829
Ion Ratio	Lower	Upper	
42	100		
74	157.6	121.0	181.4
44	4.5	3.5	5.3





#5

2-Fluorophenol

Concen: 105.088 ng

RT: 5.54 min Scan# 417

Delta R.T. 0.00 min

Lab File: BG045777.D

Acq: 16 Jun 2020 18:01

Tot Ion:	112	Resp:	354867
Ion Ratio	Lower	Upper	
112	100		
64	57.0	46.6	69.8
63	33.4	26.3	39.5

Instrument :

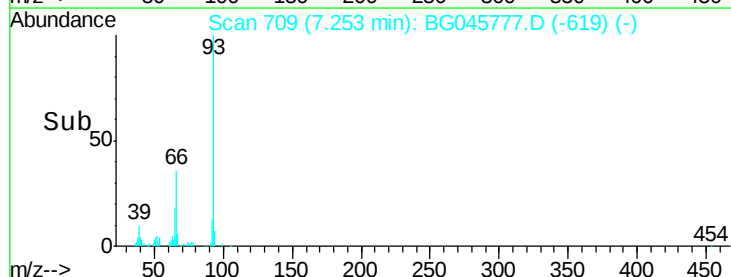
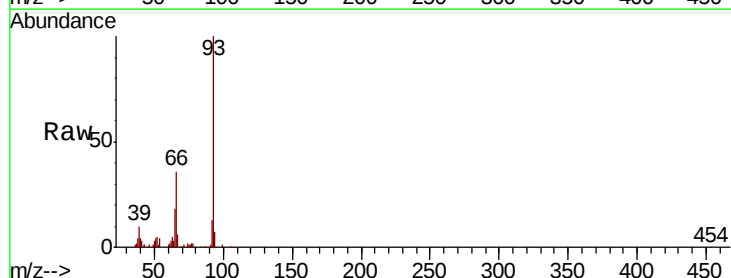
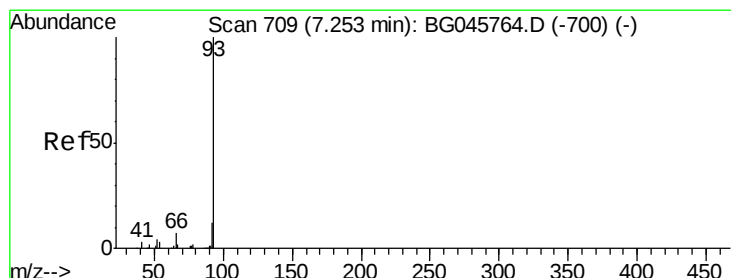
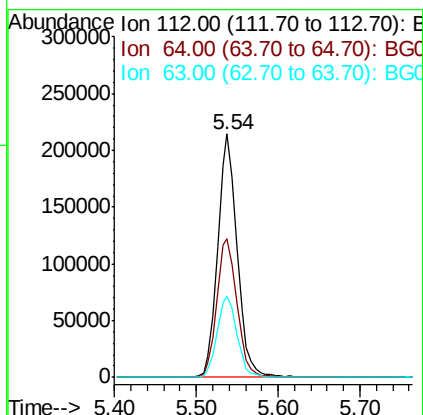
BNA_G

ClientSampleId :

HR-06-061120MS

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#6

Aniline

Concen: 18.095 ng

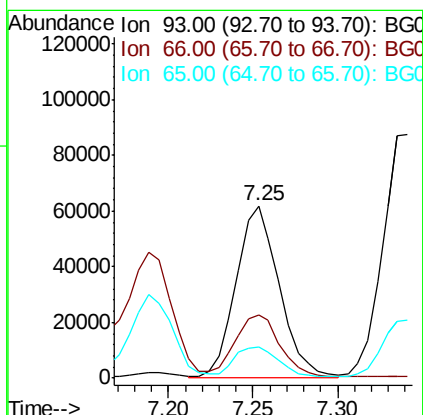
RT: 7.25 min Scan# 709

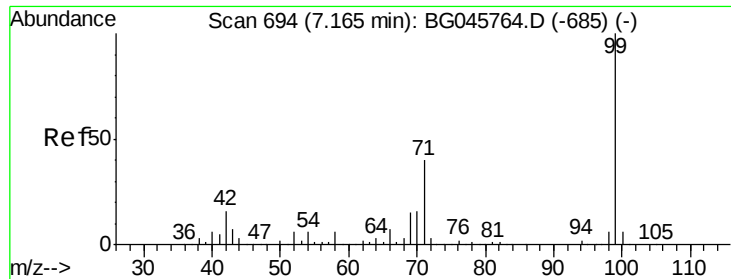
Delta R.T. 0.00 min

Lab File: BG045777.D

Acq: 16 Jun 2020 18:01

Tgt Ion:	93	Resp:	109437
Ion Ratio	Lower	Upper	
93	100		
66	36.4	30.0	45.0
65	18.4	14.7	22.1





#7

Phenol-d6

Concen: 84.806 ng

RT: 7.17 min Scan# 694

Delta R.T. 0.00 min

Lab File: BG045777.D

Acq: 16 Jun 2020 18:01

Instrument :

BNA_G

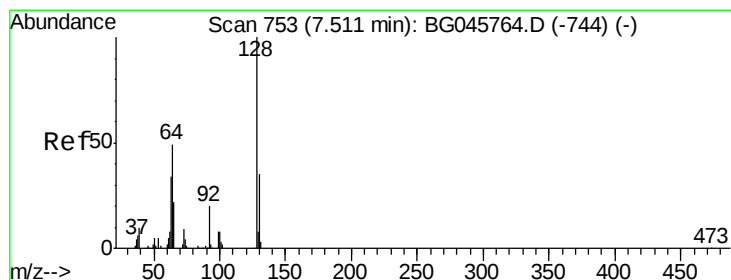
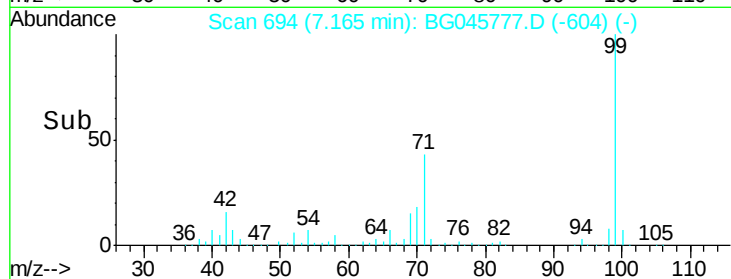
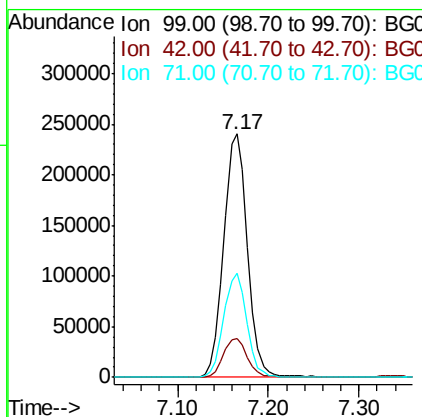
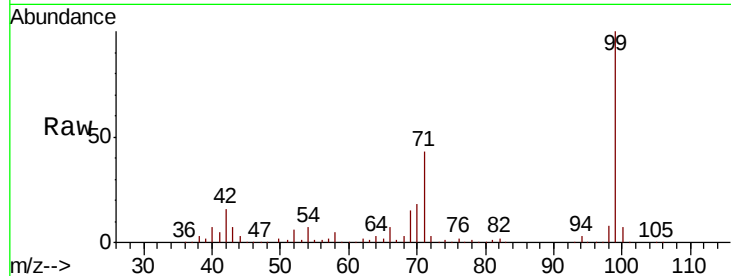
ClientSampleId :

HR-06-061120MS

Tot Ion:	99	Resp:	435603
Ion Ratio	Lower	Upper	
99	100		
42	16.0	12.4	18.6
71	42.8	32.1	48.1

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#8

2-Chlorophenol

Concen: 43.256 ng

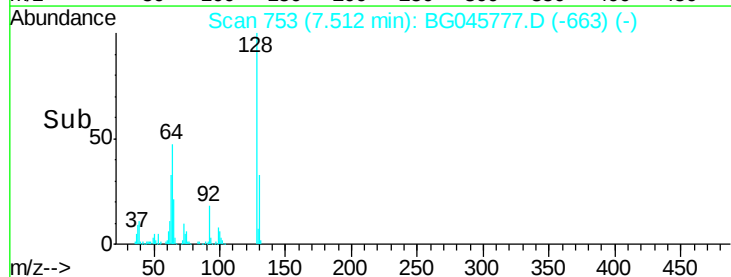
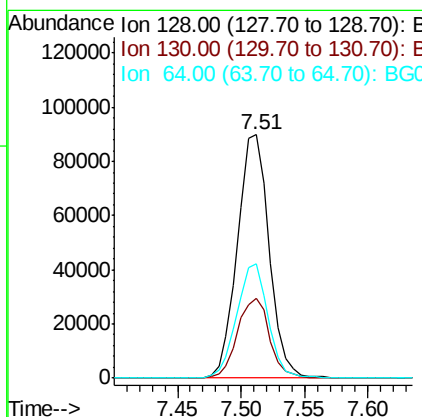
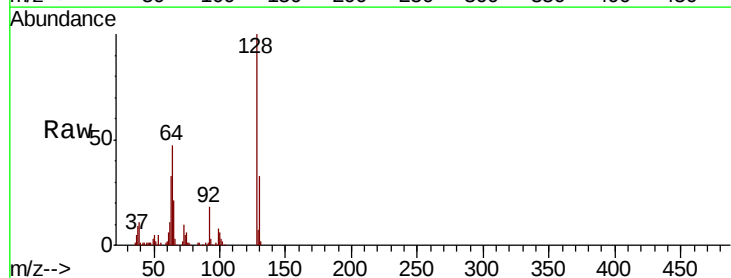
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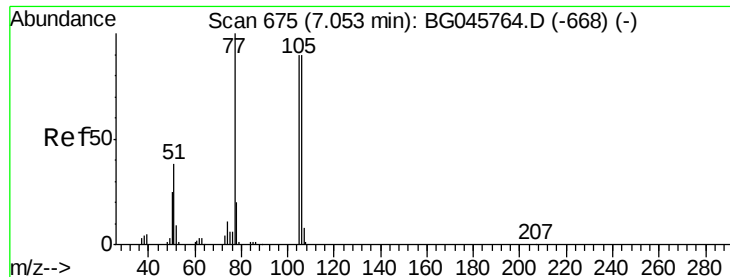
Delta R.T. 0.00 min

Lab File: BG045777.D

Acq: 16 Jun 2020 18:01

Tgt Ion:	128	Resp:	156350
Ion Ratio	Lower	Upper	
128	100		
130	32.5	14.5	54.5
64	47.0	31.6	71.6





#9

Benzaldehyde

Concen: 27.416 ng

RT: 7.05 min Scan# 675

Delta R.T. 0.00 min

Lab File: BG045777.D

Acq: 16 Jun 2020 18:01

Instrument :

BNA_G

ClientSampleId :

HR-06-061120MS

Tot Ion: 77 Resp: 84583

Ion Ratio Lower Upper

77 100

105 90.4 70.4 110.4

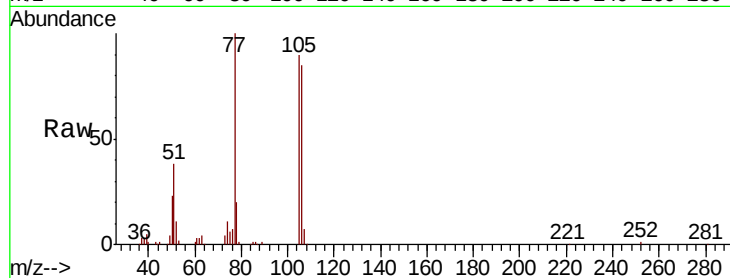
106 84.7 70.2 110.2

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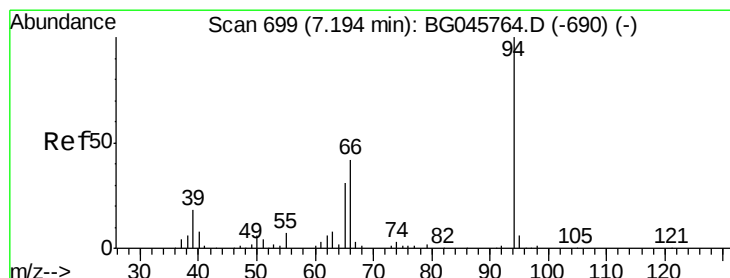
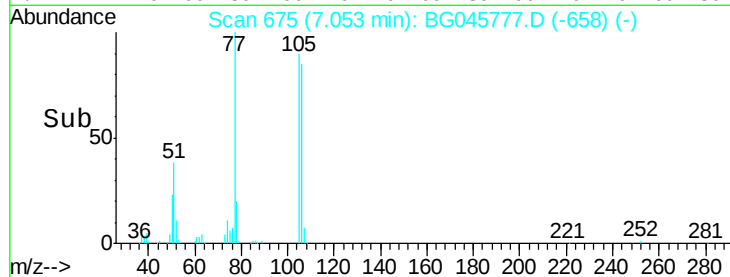
Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 106.00 (105.70 to 106.70): BGC

7.05

Time-->



#10

Phenol

Concen: 33.417 ng

RT: 7.19 min Scan# 698

Delta R.T. -0.01 min

Lab File: BG045777.D

Acq: 16 Jun 2020 18:01

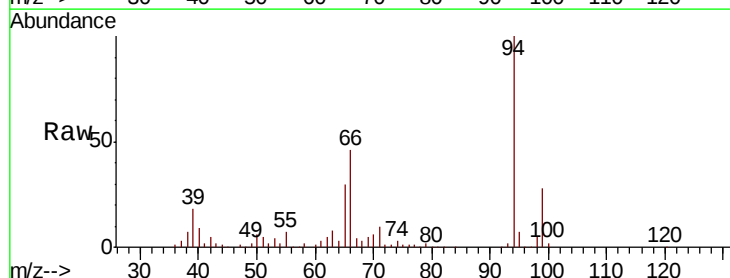
Tgt Ion: 94 Resp: 166315

Ion Ratio Lower Upper

94 100

65 29.9 10.7 50.7

66 45.5 22.5 62.5



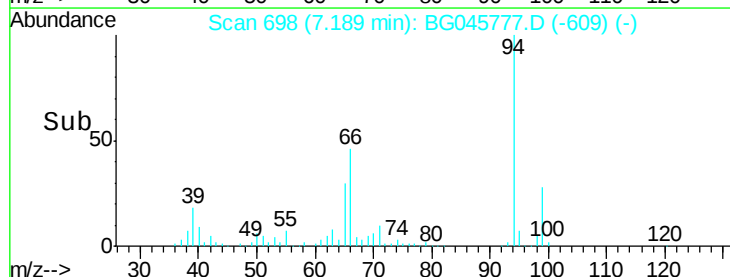
Abundance Ion 94.00 (93.70 to 94.70): BGC

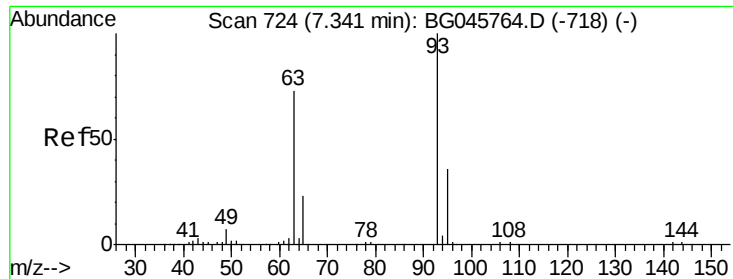
Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

7.19

Time-->





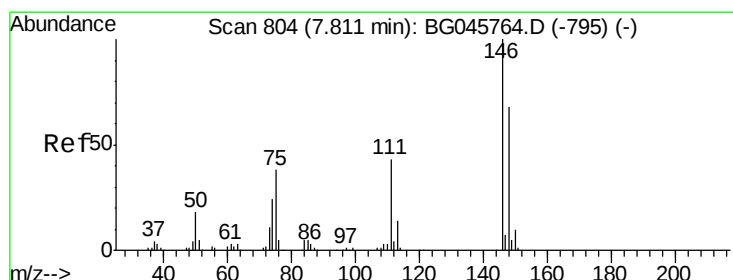
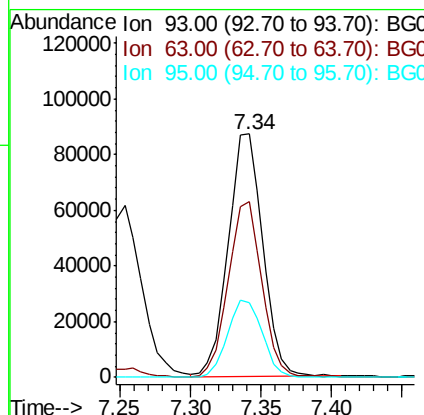
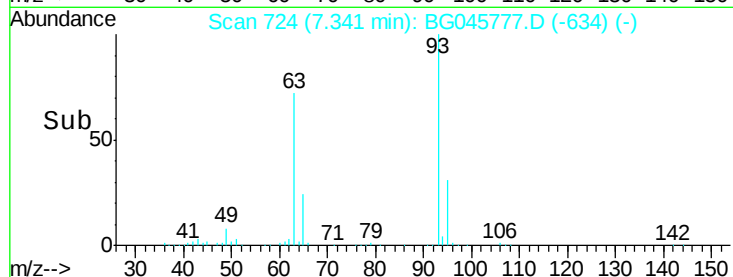
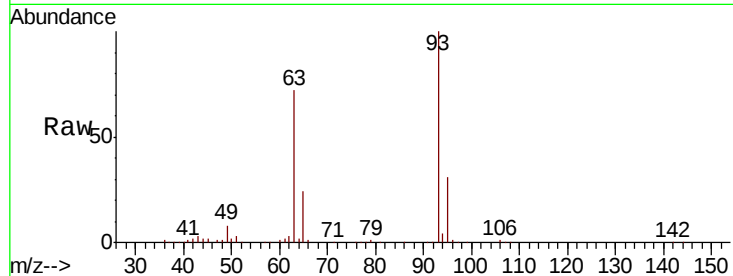
#11
bis(2-Chloroethyl)ether
Concen: 39.299 ng
RT: 7.34 min Scan# 724
Delta R.T. 0.00 min
Lab File: BG045777.D
Acq: 16 Jun 2020 18:01

Instrument :
BNA_G
ClientSampleId :
HR-06-061120MS

Tot Ion:	93	Resp:	148562
Ion	Ratio	Lower	Upper
93	100		
63	72.1	52.0	92.0
95	30.6	15.6	55.6

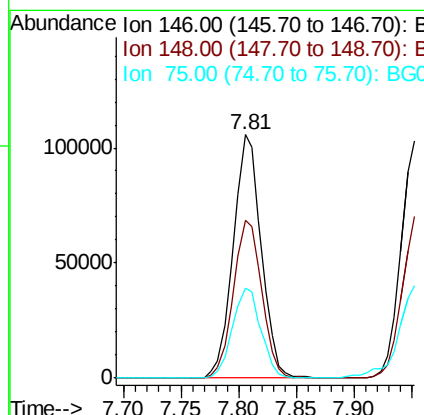
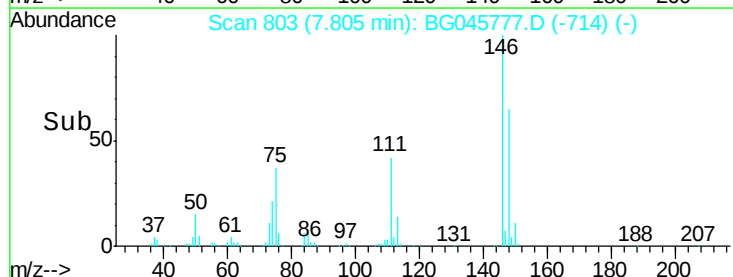
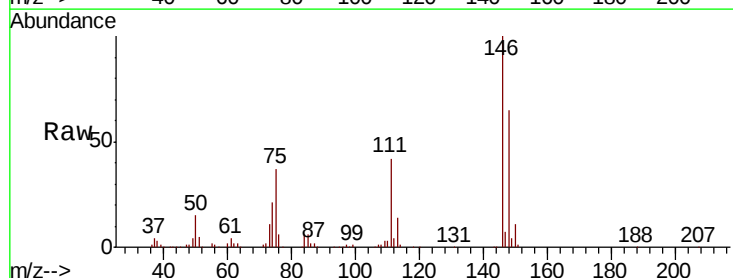
Manual Integrations
APPROVED

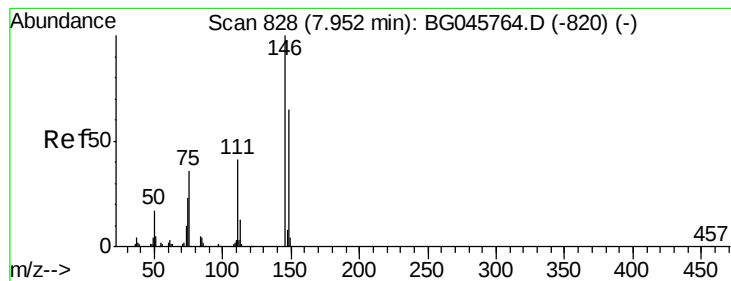
mohammad
6/18/2020 11:51:33 AM



#12
1,3-Dichlorobenzene
Concen: 41.182 ng
RT: 7.81 min Scan# 803
Delta R.T. -0.01 min
Lab File: BG045777.D
Acq: 16 Jun 2020 18:01

Tgt Ion:	146	Resp:	177392
Ion	Ratio	Lower	Upper
146	100		
148	64.9	54.2	81.4
75	37.0	30.1	45.1





#13

1,4-Dichlorobenzene

Concen: 41.598 ng

RT: 7.95 min Scan# 828

Delta R.T. 0.00 min

Lab File: BG045777.D

Acq: 16 Jun 2020 18:01

Instrument :

BNA_G

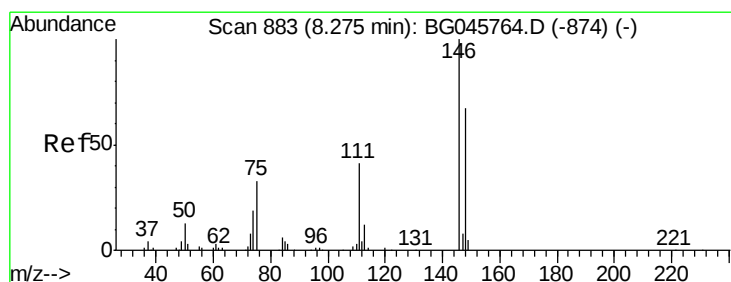
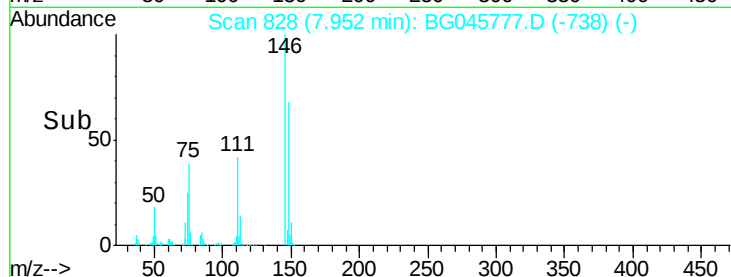
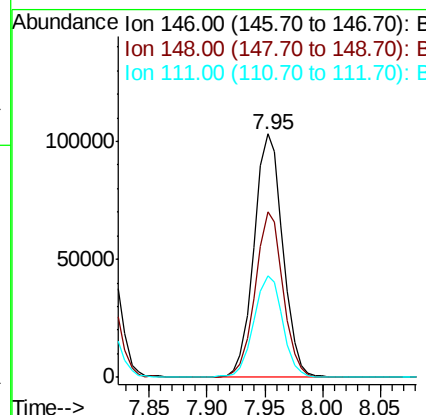
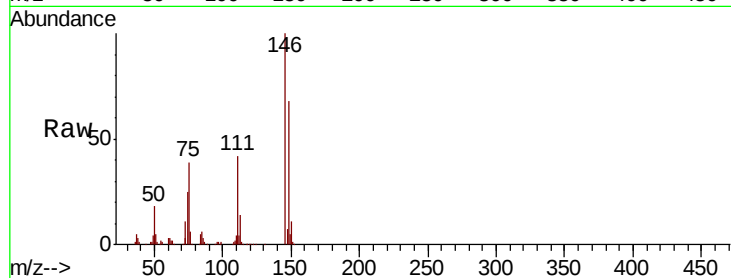
ClientSampleId :

HR-06-061120MS

Tot Ion:	146	Resp:	178977
Ion Ratio	Lower	Upper	
146	100		
148	67.9	51.8	77.6
111	41.6	32.8	49.2

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6/18/2020 11:51:33 AM



#14

1,2-Dichlorobenzene

Concen: 39.975 ng

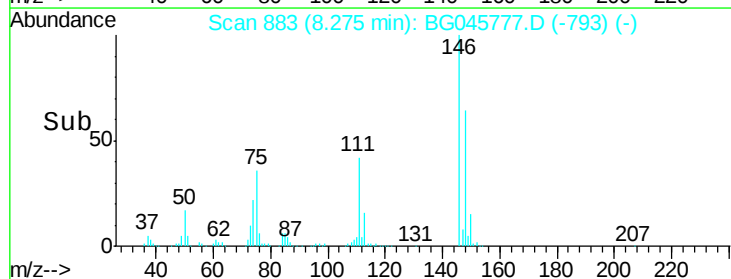
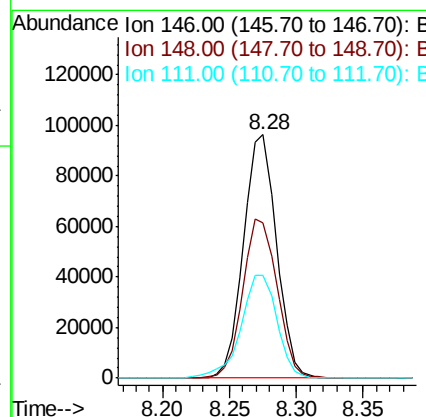
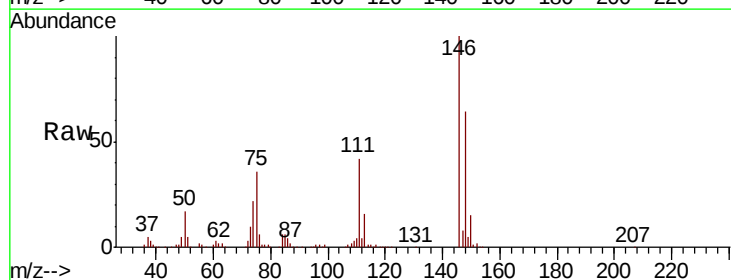
RT: 8.28 min Scan# 883

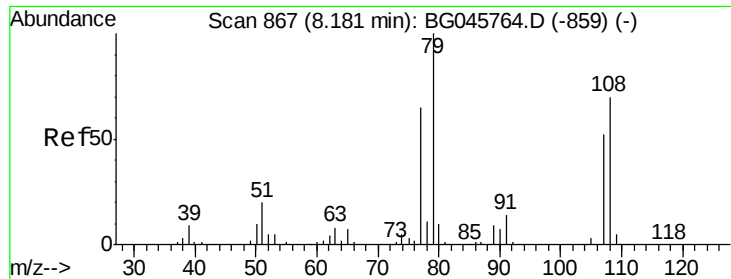
Delta R.T. 0.00 min

Lab File: BG045777.D

Acq: 16 Jun 2020 18:01

Tgt Ion:	146	Resp:	164656
Ion Ratio	Lower	Upper	
146	100		
148	64.0	54.1	81.1
111	42.4	32.9	49.3





#15

Benzyl Alcohol

Concen: 40.186 ng

RT: 8.18 min Scan# 867

Delta R.T. 0.00 min

Lab File: BG045777.D

Acq: 16 Jun 2020 18:01

Instrument :

BNA_G

ClientSampleId :

HR-06-061120MS

Tot Ion: 79 Resp: 159736

Ion Ratio Lower Upper

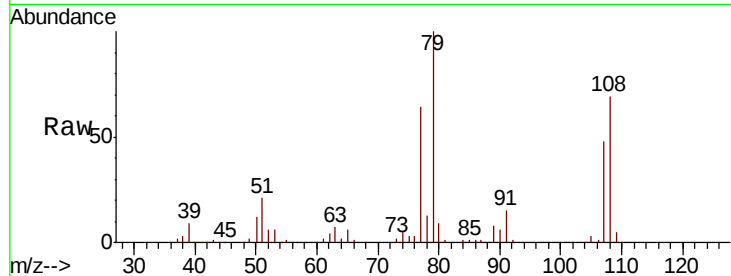
79 100

108 68.8 56.2 84.4

77 64.1 52.2 78.2

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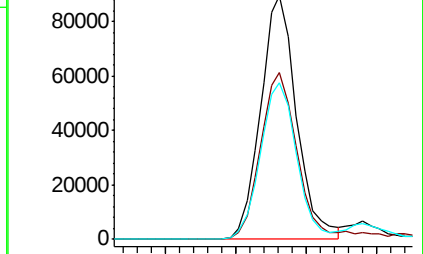
mohammad
6/18/2020 11:51:33 AM



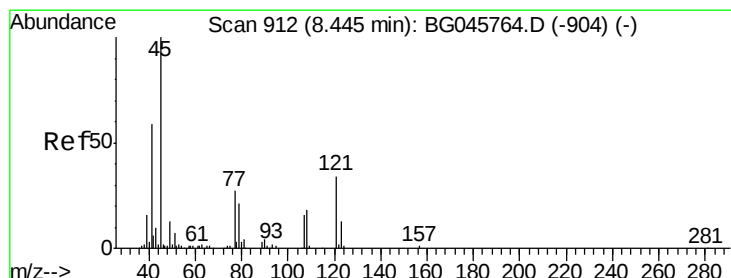
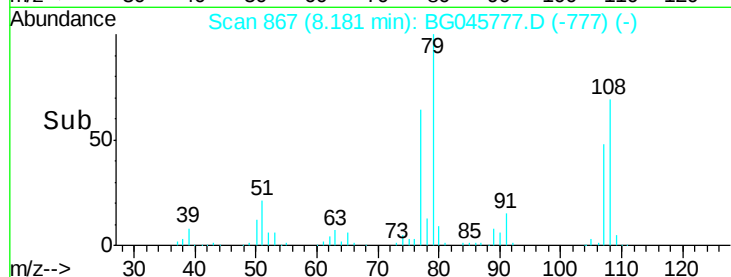
Abundance Ion 79.00 (78.70 to 79.70): BGC

Ion 108.00 (107.70 to 108.70): BGC

Ion 77.00 (76.70 to 77.70): BGC



Time-->



#16

2,2'-oxybis(1-Chloropropane)

Concen: 38.973 ng

RT: 8.45 min Scan# 913

Delta R.T. 0.01 min

Lab File: BG045777.D

Acq: 16 Jun 2020 18:01

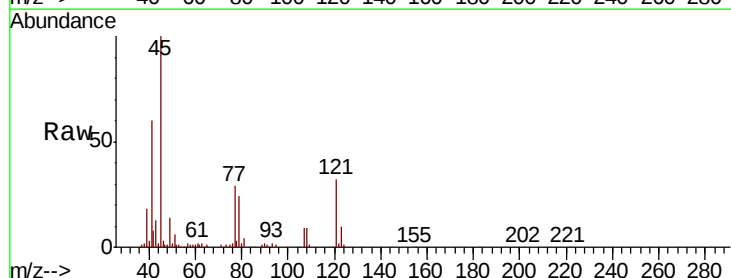
Tgt Ion: 45 Resp: 138853

Ion Ratio Lower Upper

45 100

77 29.3 14.9 54.9

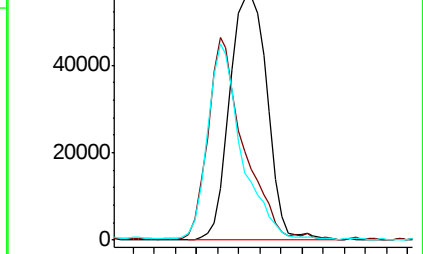
79 24.0 9.2 49.2



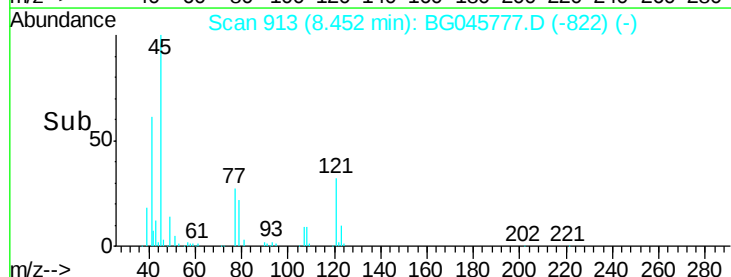
Abundance Ion 45.00 (44.70 to 45.70): BGC

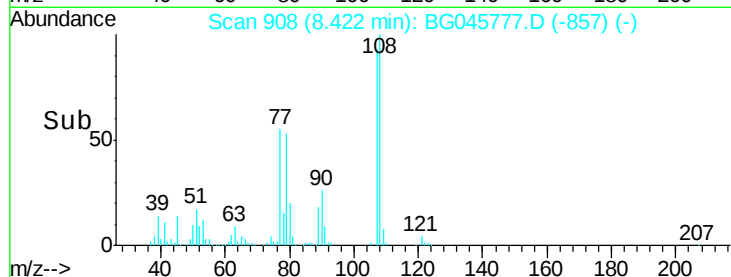
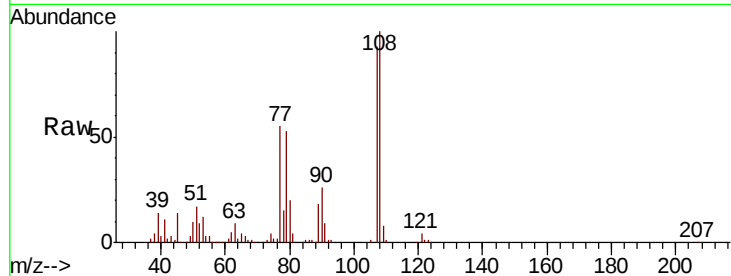
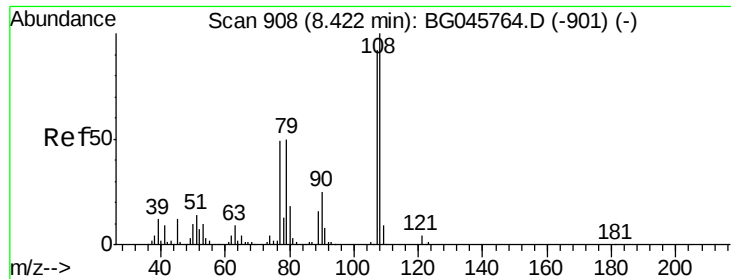
Ion 77.00 (76.70 to 77.70): BGC

Ion 79.00 (78.70 to 79.70): BGC



Time-->





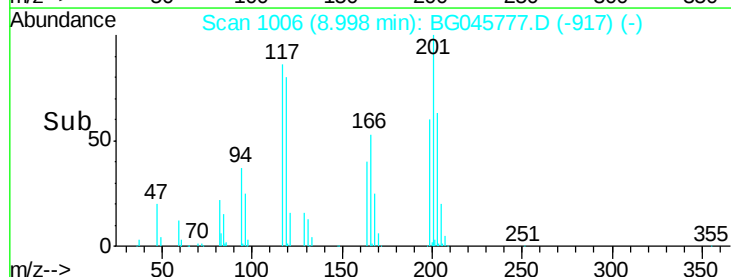
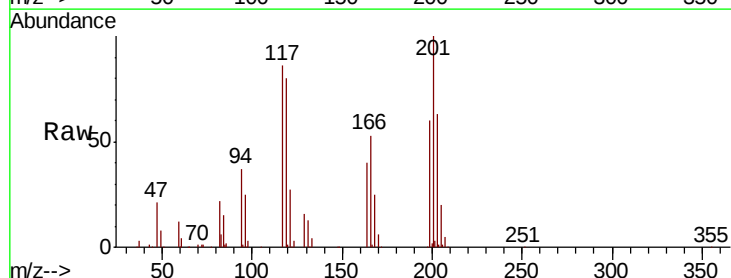
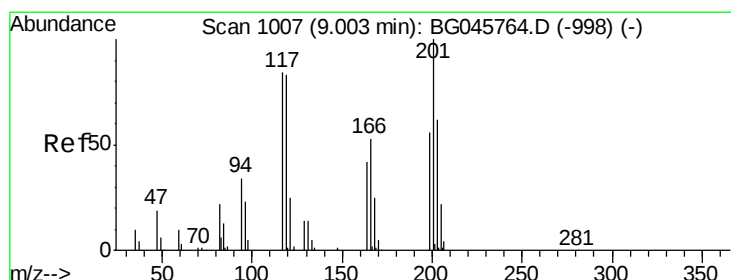
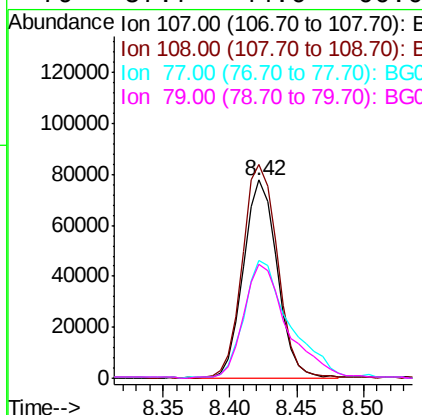
#17
2-Methylphenol
Concen: 36.857 ng
RT: 8.42 min Scan# 908
Delta R.T. 0.00 min
Lab File: BG045777.D
Acq: 16 Jun 2020 18:01

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	108.0	87.4	131.0	
77	59.7	42.5	63.7	
79	57.7	44.0	66.0	

Instrument :
BNA_G
ClientSampleId :
HR-06-061120MS

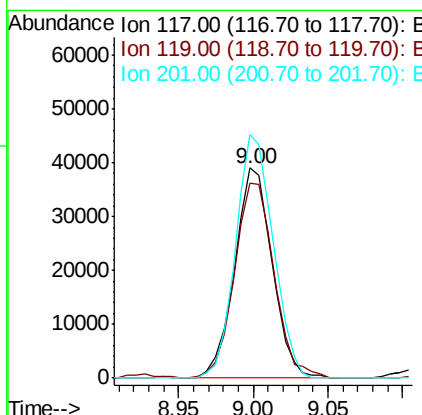
Manual Integrations
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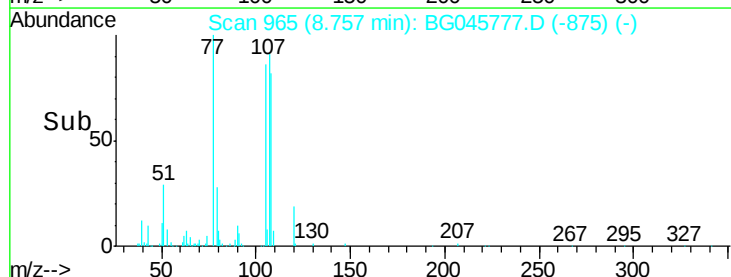
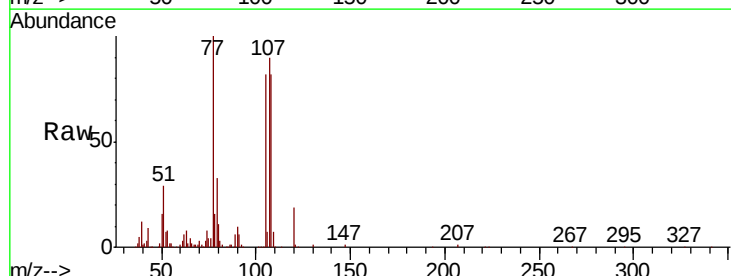
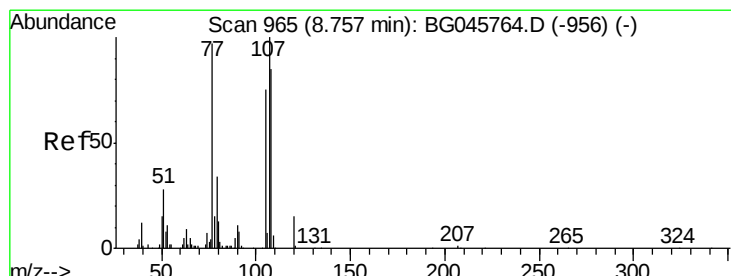
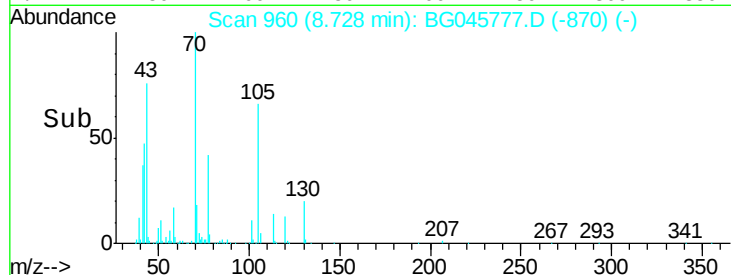
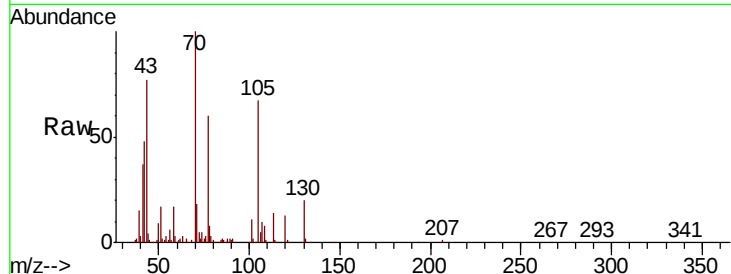
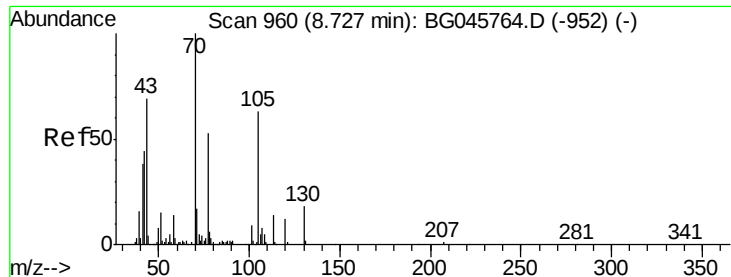
mohammad
6/18/2020 11:51:33 AM



#18
Hexachloroethane
Concen: 41.719 ng
RT: 9.00 min Scan# 1006
Delta R.T. -0.01 min
Lab File: BG045777.D
Acq: 16 Jun 2020 18:01

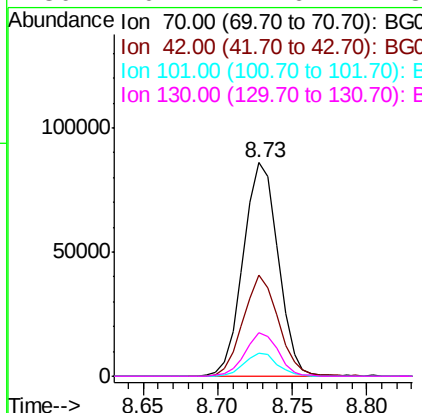
Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	92.9	78.9	118.3	
201	116.1	95.5	143.3	





#19
n-Nitroso-di-n-propylamine
Concen: 41.296 ng
RT: 8.73 min Scan# 960
Delta R.T. 0.00 min
Lab File: BG045777.D
Acq: 16 Jun 2020 18:01

Tot Ion	Ion	Ratio	Lower	Upper
70	100			
42	47.6	35.1	52.7	
101	11.1	7.4	11.0	
130	20.1	14.6	21.8	



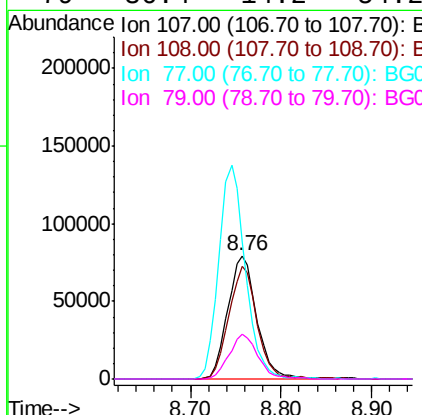
Instrument :
BNA_G
ClientSampleId :
HR-06-061120MS

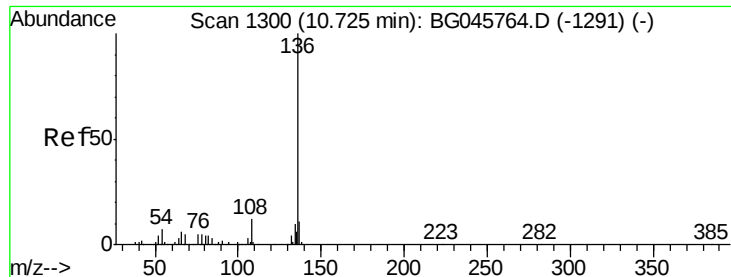
Manual Integrations
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#20
3+4-Methylphenols
Concen: 36.141 ng
RT: 8.76 min Scan# 965
Delta R.T. 0.00 min
Lab File: BG045777.D
Acq: 16 Jun 2020 18:01

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
108	92.0	65.4	105.4	
77	111.6	77.2	117.2	
79	36.4	14.2	54.2	





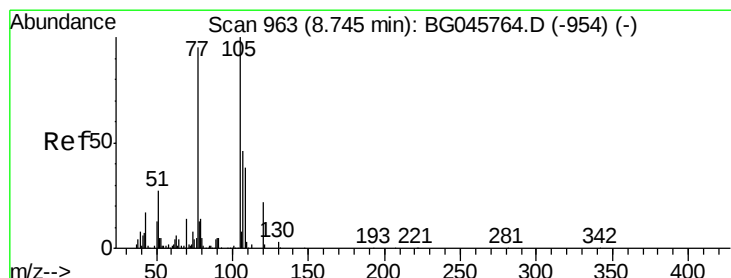
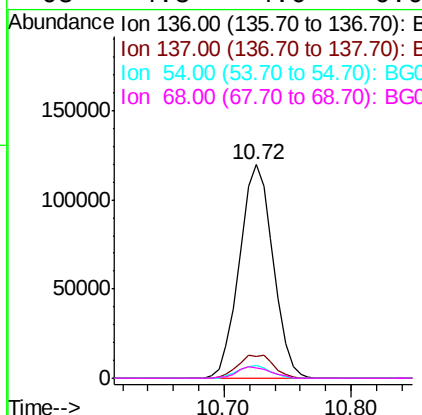
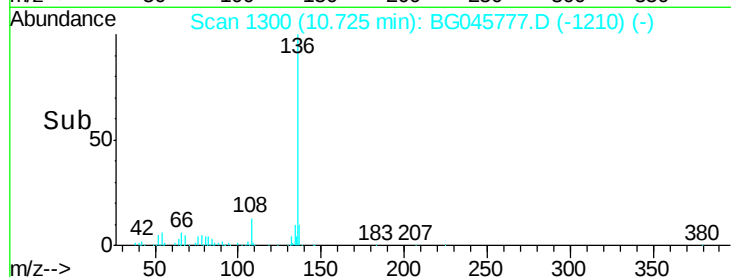
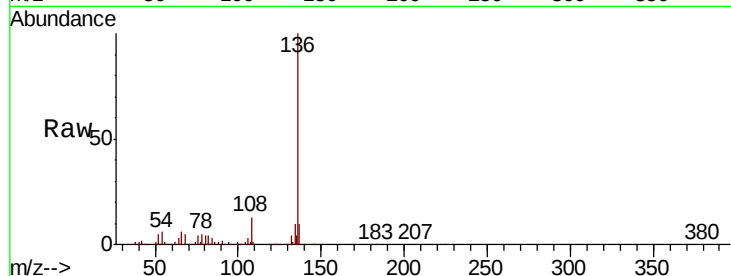
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.72 min Scan# 1300
Delta R.T. 0.00 min
Lab File: BG045777.D
Acq: 16 Jun 2020 18:01

Instrument :
BNA_G
ClientSampleId :
HR-06-061120MS

Tot Ion	Ratio	Resp	Lower	Upper
136	100	219579		
137	10.3		8.7	13.1
54	5.9		5.8	8.6
68	4.8		4.0	6.0

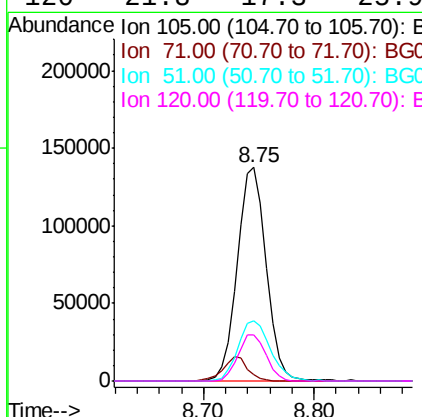
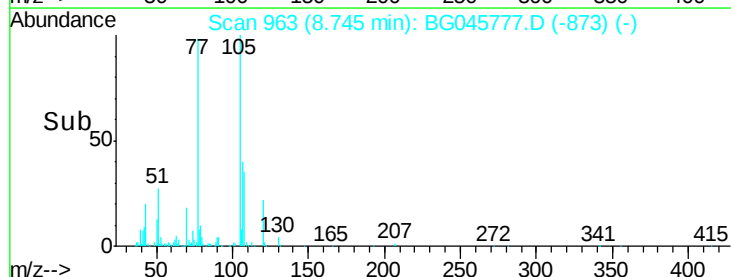
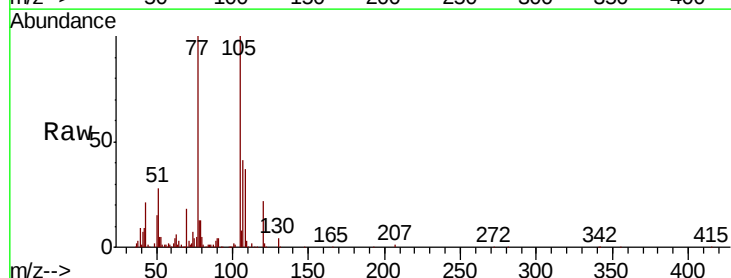
Manual Integrations
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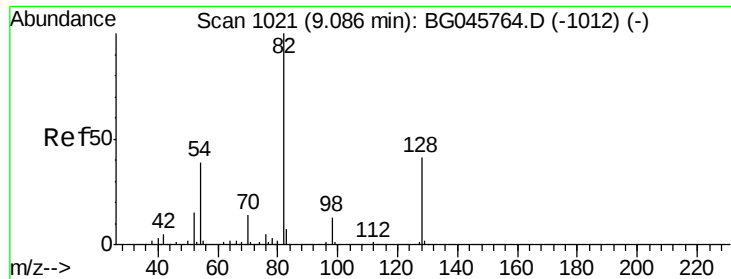
mohammad
6/18/2020 11:51:33 AM



#22
Acetophenone
Concen: 42.111 ng
RT: 8.75 min Scan# 963
Delta R.T. 0.00 min
Lab File: BG045777.D
Acq: 16 Jun 2020 18:01

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	253796		
71	2.9		1.8	2.8#
51	28.2		21.9	32.9
120	21.8		17.3	25.9





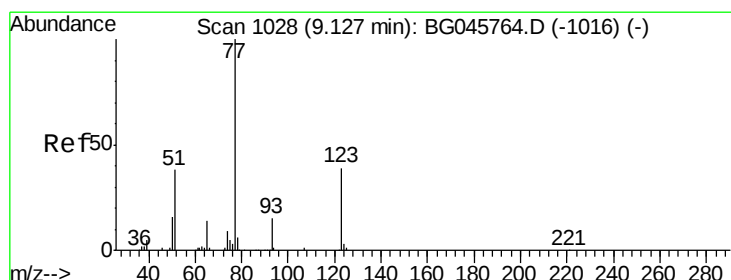
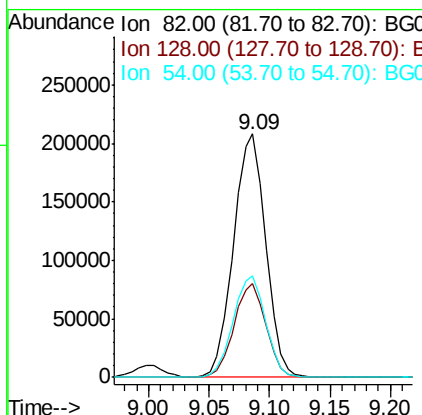
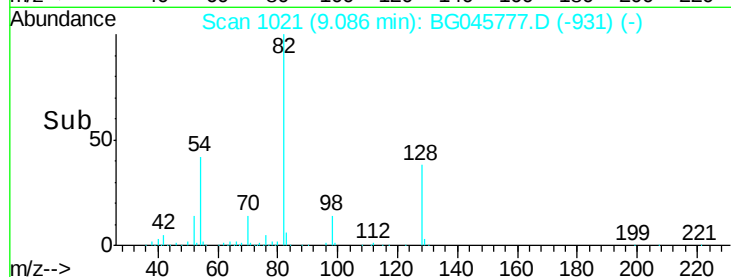
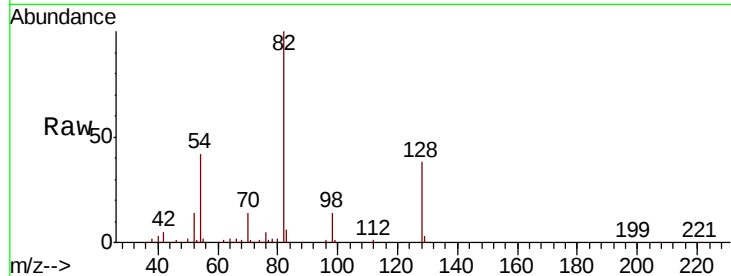
#23
 Nitrobenzene-d5
 Concen: 80.113 ng
 RT: 9.09 min Scan# 1021
 Delta R.T. 0.00 min
 Lab File: BG045777.D
 Acq: 16 Jun 2020 18:01

Instrument :
 BNA_G
 ClientSampleId :
 HR-06-061120MS

Tot Ion	Ratio	Lower	Upper
82	100		
128	38.5	32.5	48.7
54	41.8	31.2	46.8

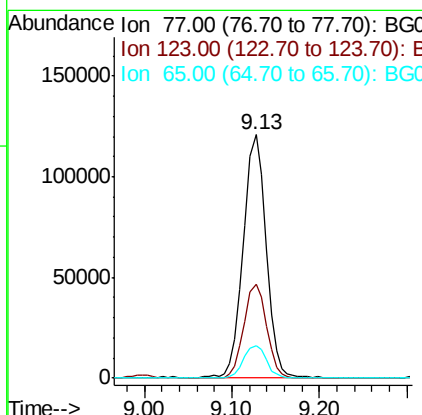
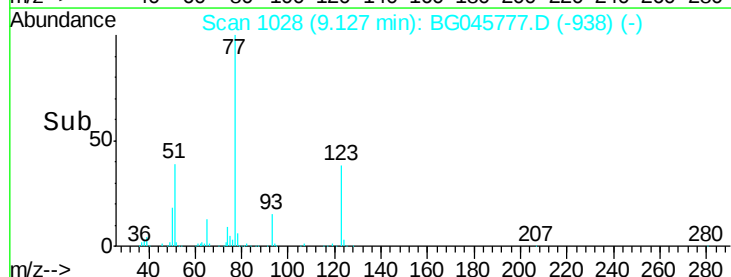
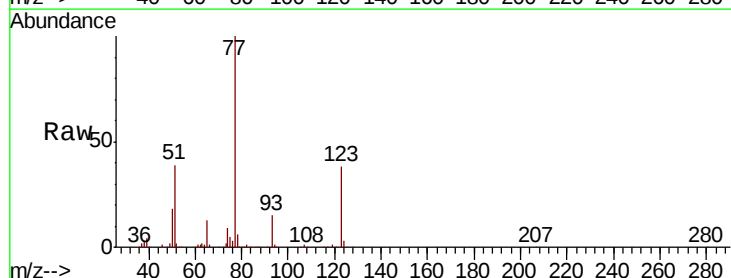
Manual Integrations
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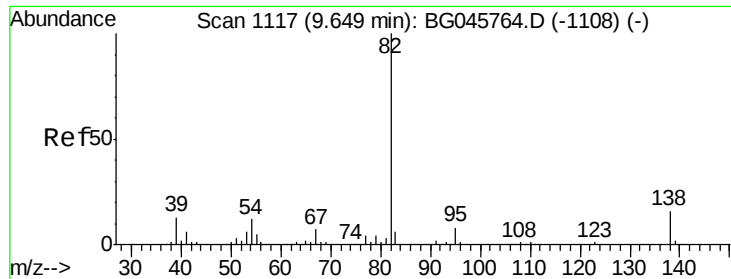
mohammad
 6/18/2020 11:51:33 AM



#24
 Nitrobenzene
 Concen: 41.714 ng
 RT: 9.13 min Scan# 1028
 Delta R.T. 0.00 min
 Lab File: BG045777.D
 Acq: 16 Jun 2020 18:01

Tgt Ion	Ratio	Lower	Upper
77	100		
123	38.3	31.2	46.8
65	13.1	11.4	17.2





#25

Isophorone

Concen: 40.918 ng

RT: 9.65 min Scan# 1117

Delta R.T. 0.00 min

Lab File: BG045777.D

Acq: 16 Jun 2020 18:01

Instrument :

BNA_G

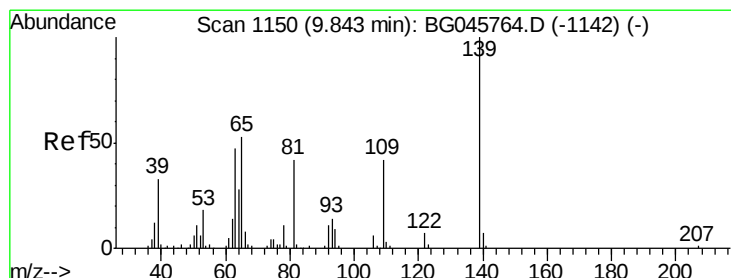
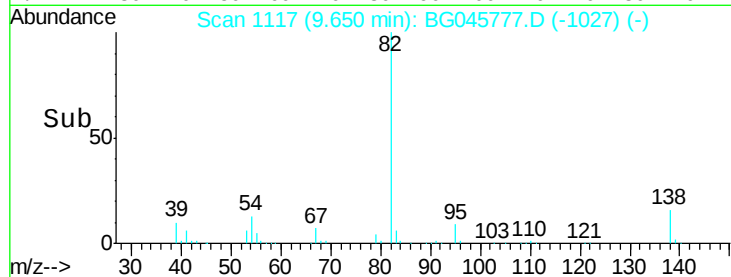
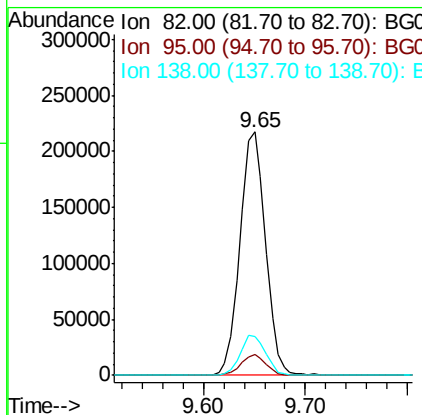
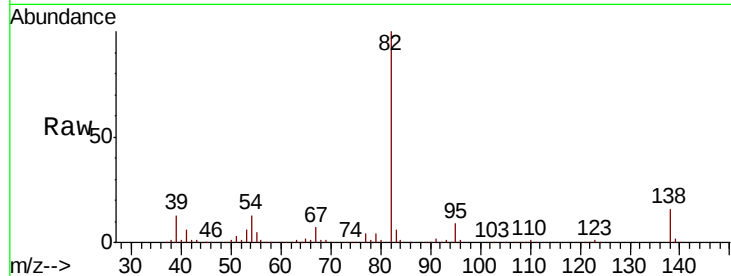
ClientSampleId :

HR-06-061120MS

Tot Ion:	82	Resp:	380741
Ion Ratio	Lower	Upper	
82	100		
95	8.5	6.2	9.4
138	16.0	12.6	18.8

Manual Integrations
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mohammad
6/18/2020 11:51:33 AM



#26

2-Nitrophenol

Concen: 42.322 ng

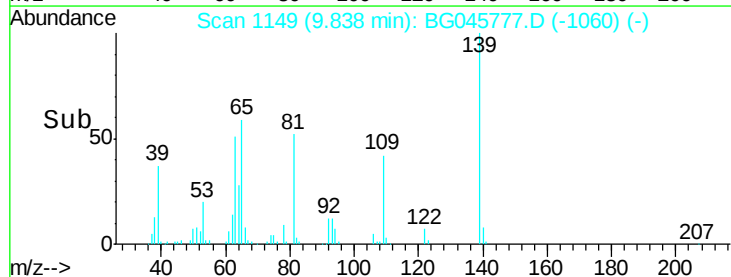
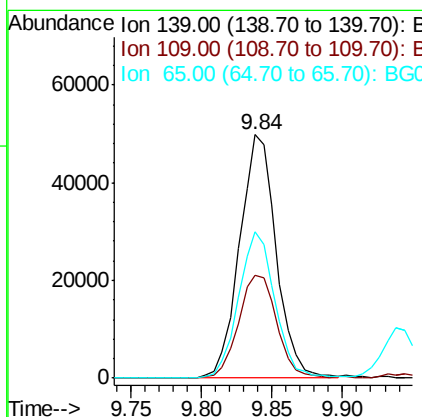
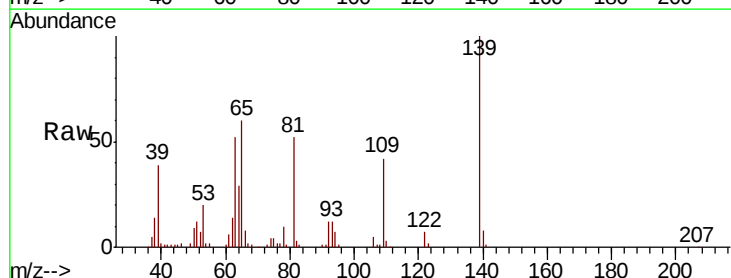
RT: 9.84 min Scan# 1149

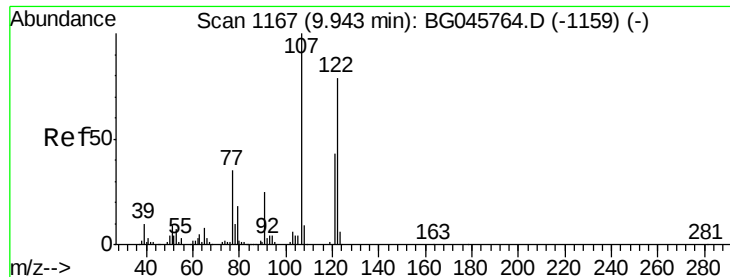
Delta R.T. -0.01 min

Lab File: BG045777.D

Acq: 16 Jun 2020 18:01

Tgt Ion:	139	Resp:	90363
Ion Ratio	Lower	Upper	
139	100		
109	42.3	33.5	50.3
65	60.2	42.2	63.4





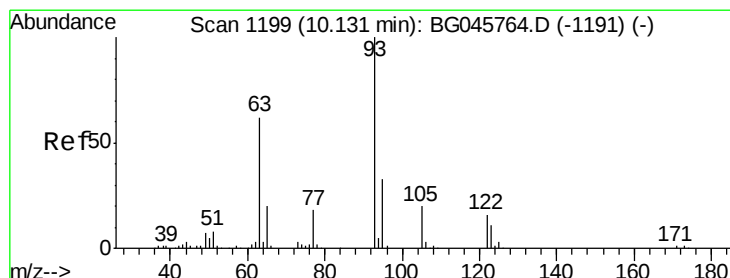
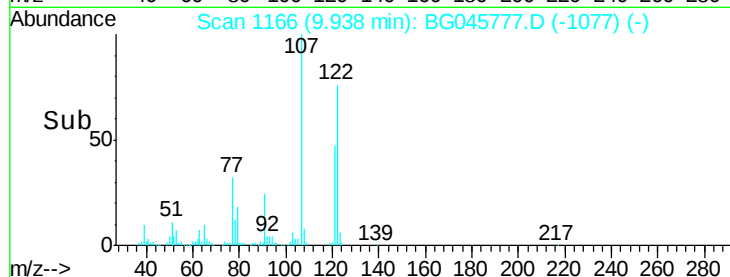
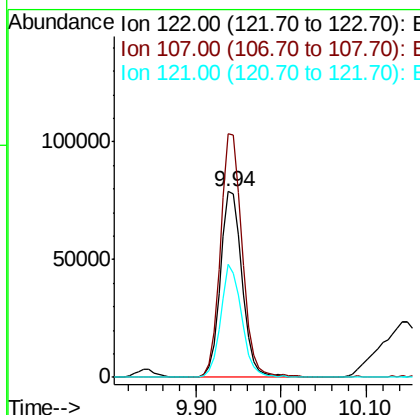
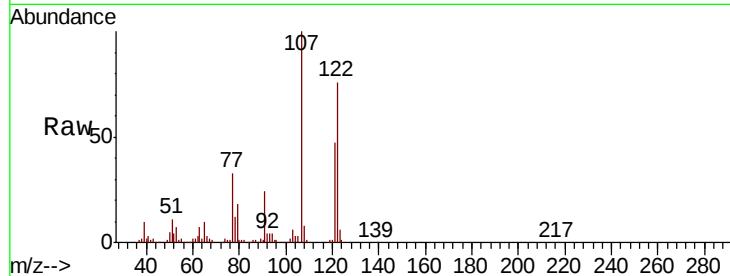
#27
2,4-Dimethylphenol
Concen: 43.726 ng
RT: 9.94 min Scan# 1166
Delta R.T. -0.01 min
Lab File: BG045777.D
Acq: 16 Jun 2020 18:01

Instrument :
BNA_G
ClientSampleId :
HR-06-061120MS

Tot Ion	Ratio	Lower	Upper
122	100		
107	131.0	101.3	151.9
121	61.1	43.9	65.9

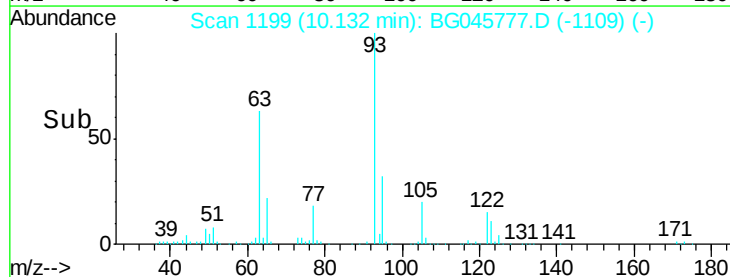
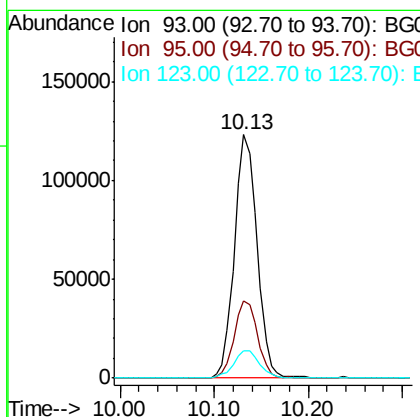
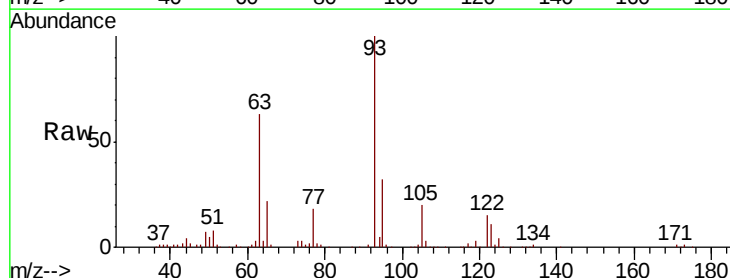
Manual Integrations
APPROVED

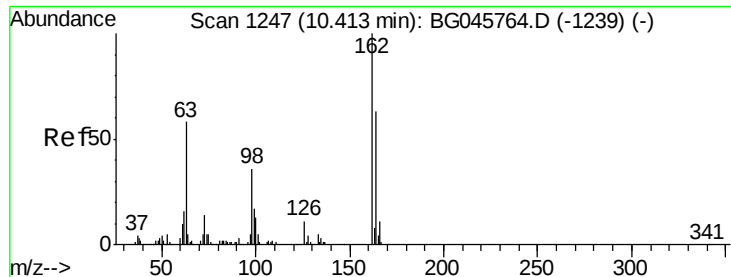
mohammad
6/18/2020 11:51:33 AM



#28
bis(2-Chloroethoxy)methane
Concen: 42.515 ng
RT: 10.13 min Scan# 1199
Delta R.T. 0.00 min
Lab File: BG045777.D
Acq: 16 Jun 2020 18:01

Tgt Ion	Ratio	Lower	Upper
93	100		
95	31.6	26.3	39.5
123	11.4	9.3	13.9





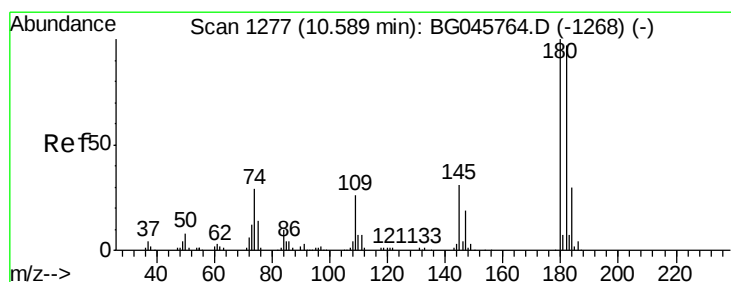
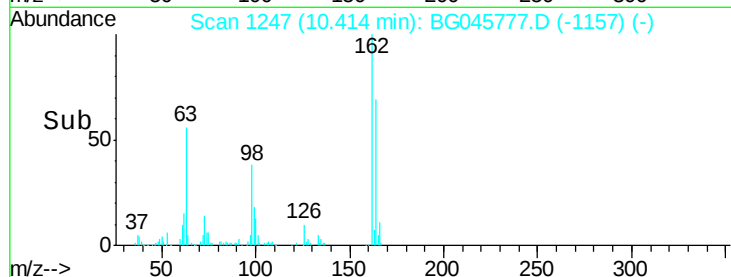
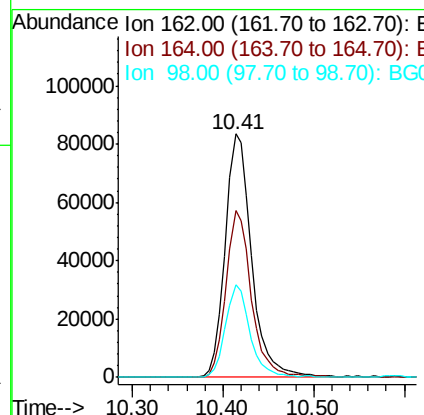
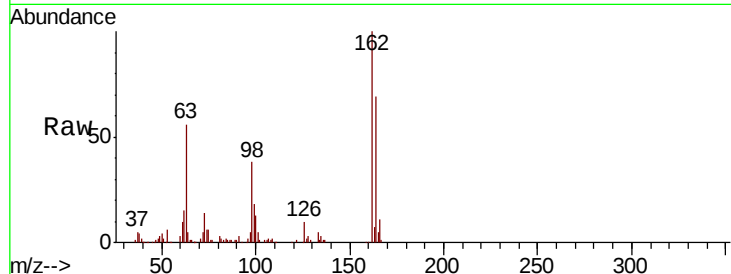
#29
2,4-Dichlorophenol
Concen: 44.431 ng
RT: 10.41 min Scan# 1247
Delta R.T. 0.00 min
Lab File: BG045777.D
Acq: 16 Jun 2020 18:01

Instrument :
BNA_G
ClientSampleId :
HR-06-061120MS

Tot Ion	Ratio	Resp	Lower	Upper
162	100	168980		
164	68.7	43.3	83.3	
98	38.2	15.5	55.5	

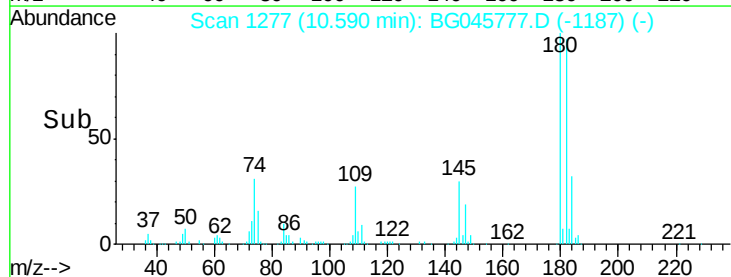
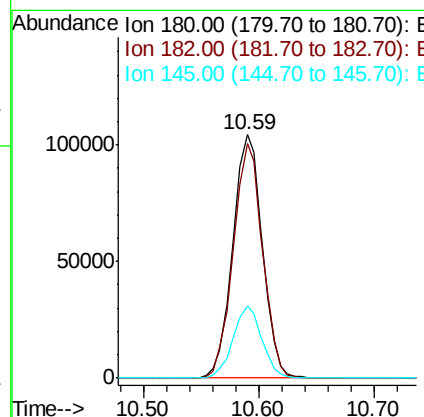
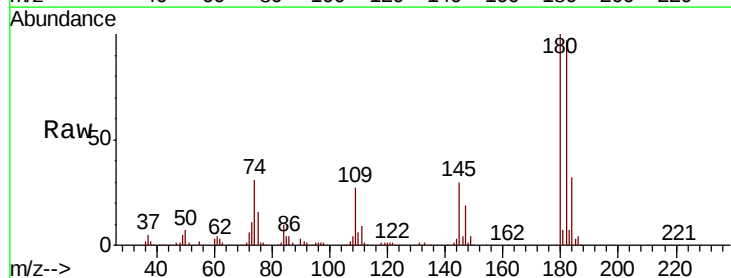
Manual Integrations
APPROVED

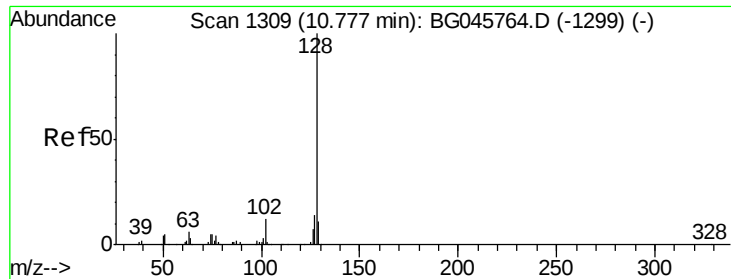
mohammad
6/18/2020 11:51:33 AM



#30
1,2,4-Trichlorobenzene
Concen: 41.070 ng
RT: 10.59 min Scan# 1277
Delta R.T. 0.00 min
Lab File: BG045777.D
Acq: 16 Jun 2020 18:01

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	184914		
182	96.6	77.8	116.6	
145	29.7	24.5	36.7	





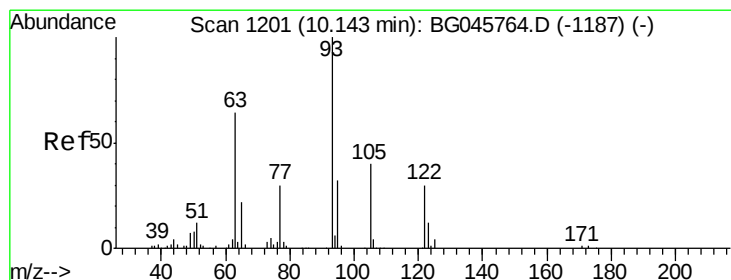
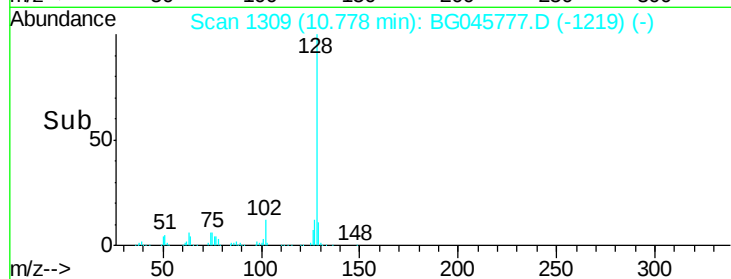
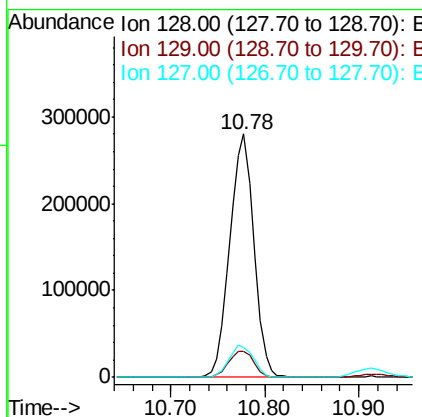
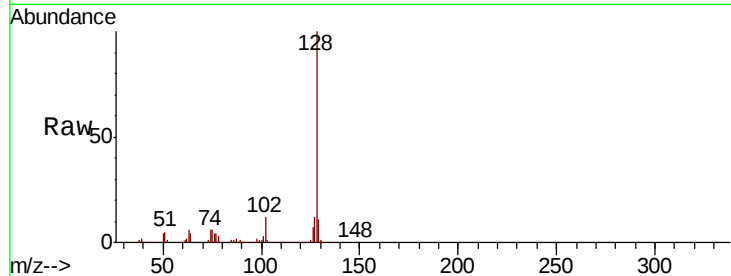
#31
Naphthalene
Concen: 41.422 ng
RT: 10.78 min Scan# 1309
Delta R.T. 0.00 min
Lab File: BG045777.D
Acq: 16 Jun 2020 18:01

Instrument :
BNA_G
ClientSampleId :
HR-06-061120MS

Tot Ion	Ratio	Resp	Lower	Upper
128	100	497253		
129	10.8		8.6	13.0
127	12.4		10.9	16.3

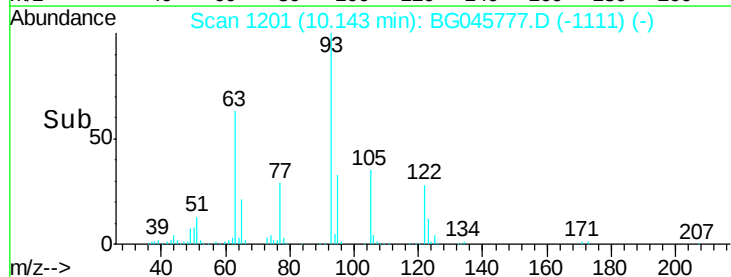
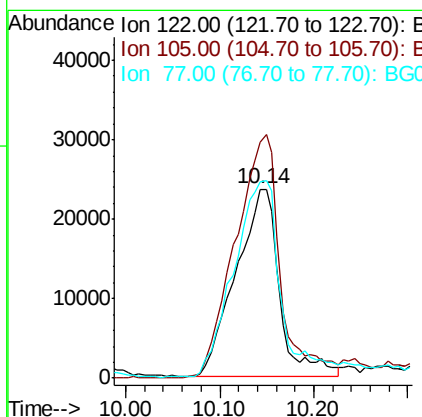
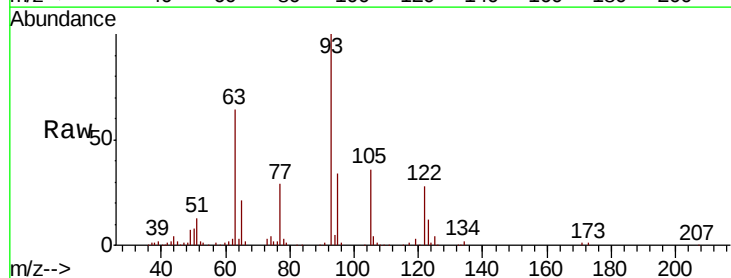
Manual Integrations
APPROVED

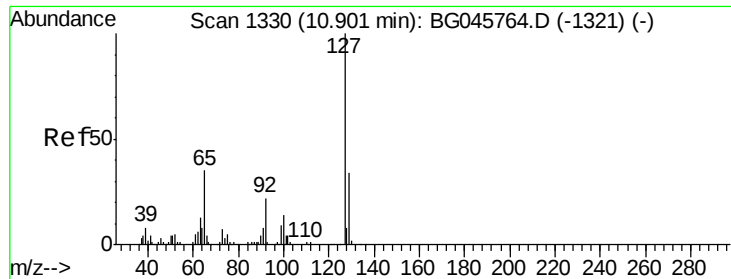
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#32
Benzoic acid
Concen: 38.244 ng
RT: 10.14 min Scan# 1201
Delta R.T. 0.00 min
Lab File: BG045777.D
Acq: 16 Jun 2020 18:01

Tgt Ion	Ratio	Resp	Lower	Upper
122	100	76105		
105	125.2		112.9	152.9
77	103.7		79.2	119.2





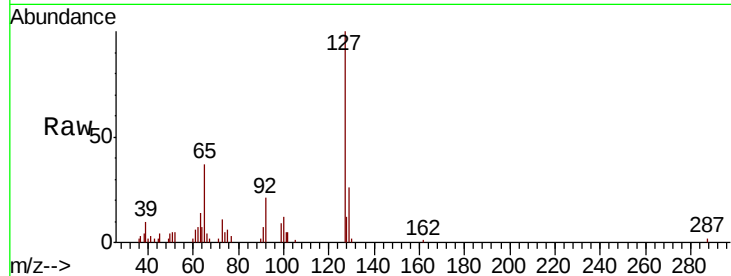
#33
4-Chloroaniline
Concen: 4.851 ng
RT: 10.91 min Scan# 1332
Delta R.T. 0.01 min
Lab File: BG045777.D
Acq: 16 Jun 2020 18:01

Instrument :
BNA_G
ClientSampleId :
HR-06-061120MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100		24385		
129	26.1	26.8	40.2#		
65	36.9	27.8	41.8		
92	21.4	17.3	25.9		

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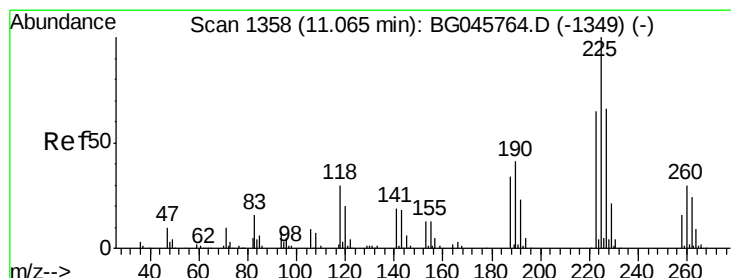
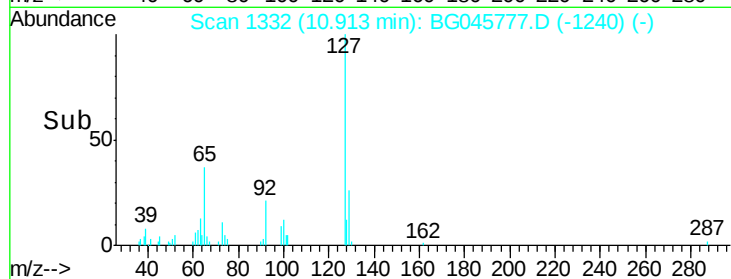
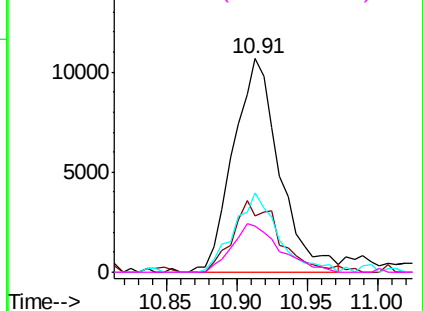
Abundance

Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

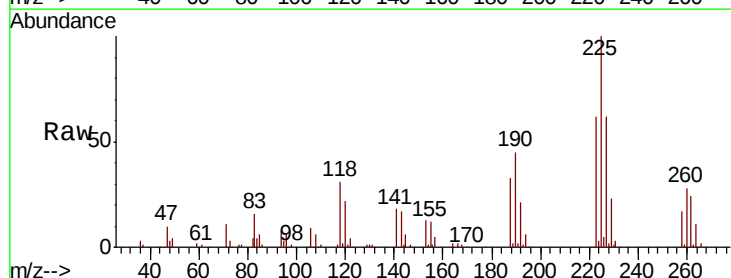
Ion 65.00 (64.70 to 65.70): BG

Ion 92.00 (91.70 to 92.70): BG



#34
Hexachlorobutadiene
Concen: 40.690 ng
RT: 11.07 min Scan# 1358
Delta R.T. 0.00 min
Lab File: BG045777.D
Acq: 16 Jun 2020 18:01

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100		130290		
223	61.9	52.0	78.0		
227	61.6	52.5	78.7		

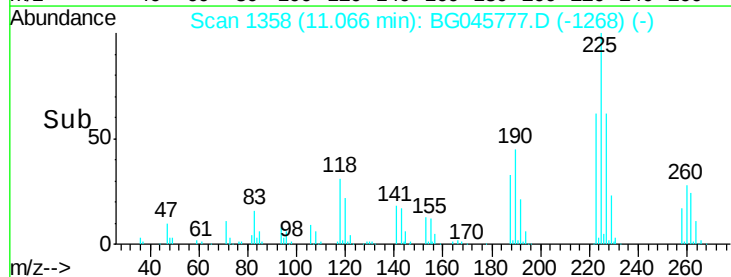
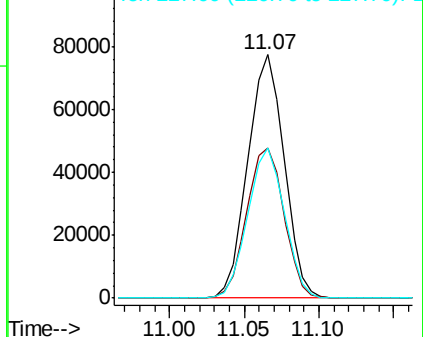


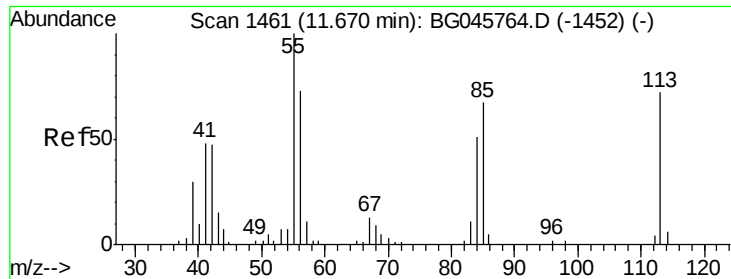
Abundance

Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





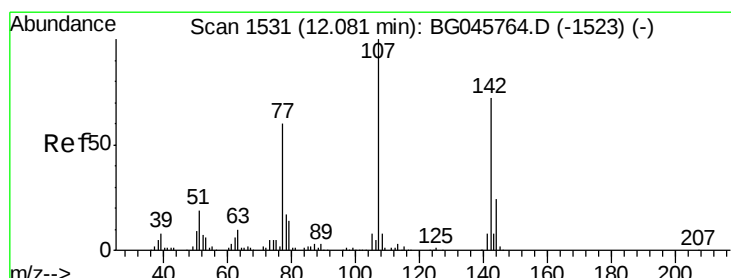
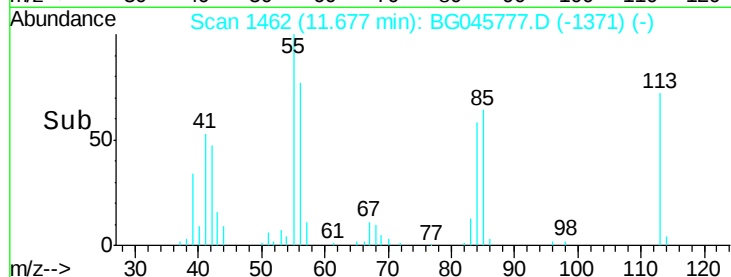
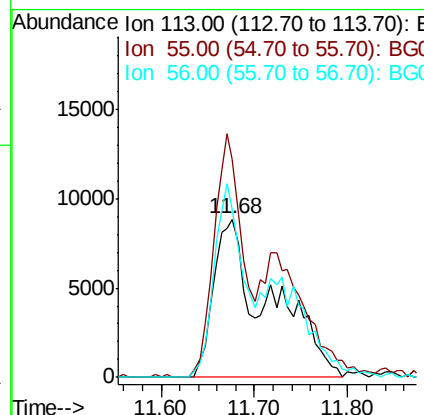
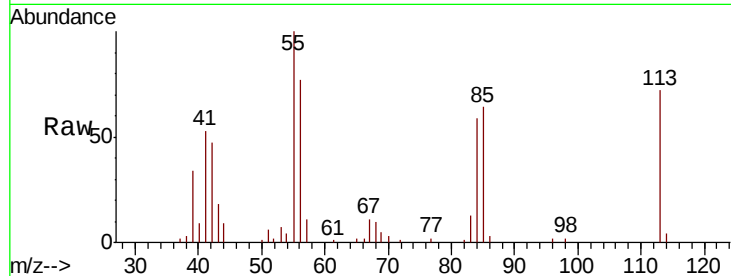
#35
Caprolactam
Concen: 29.692 ng/ml
RT: 11.68 min Scan# 1462
Delta R.T. 0.01 min
Lab File: BG045777.D
Acq: 16 Jun 2020 18:01

Instrument :
BNA_G
ClientSampleId :
HR-06-061120MS

Tot Ion	Ratio	Lower	Upper
113	100		
55	138.2	119.7	159.7
56	106.6	82.5	122.5

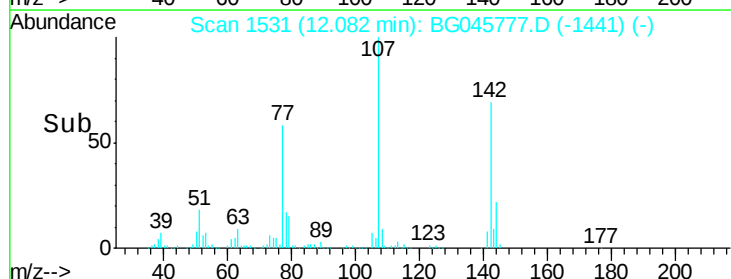
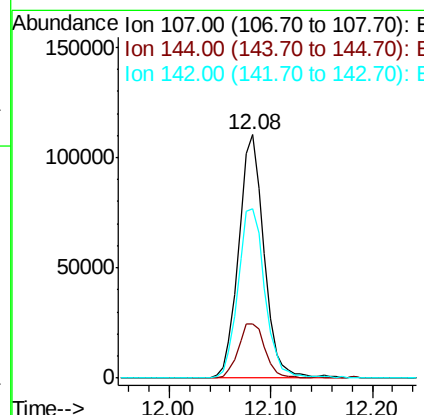
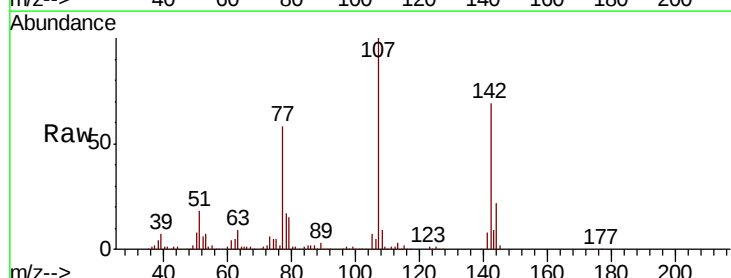
Manual Integrations
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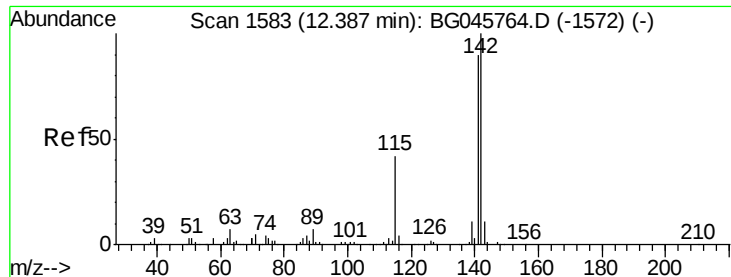
mohammad
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#36
4-Chloro-3-methylphenol
Concen: 43.728 ng
RT: 12.08 min Scan# 1531
Delta R.T. 0.00 min
Lab File: BG045777.D
Acq: 16 Jun 2020 18:01

Tgt Ion	Ratio	Lower	Upper
107	100		
144	22.3	19.5	29.3
142	69.4	57.4	86.0





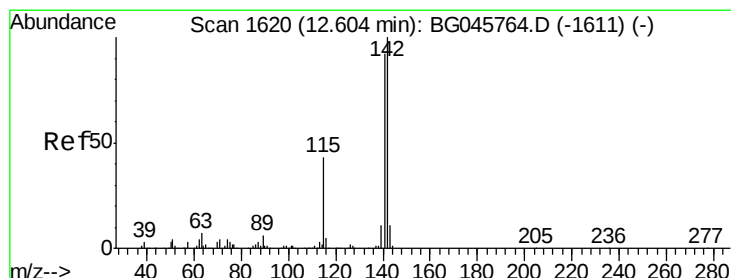
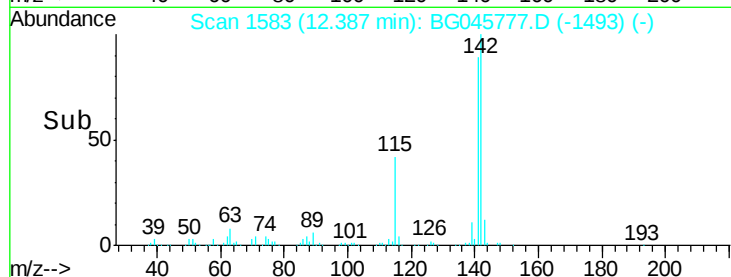
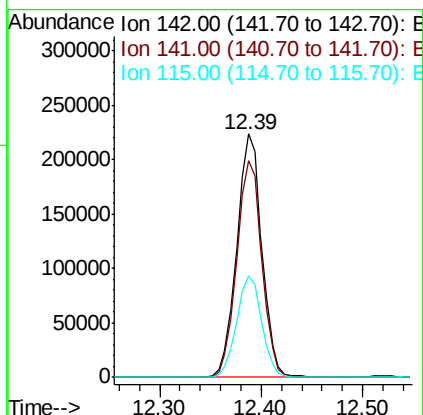
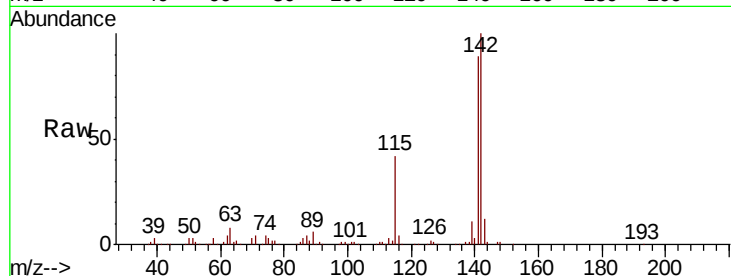
#37
2-Methylnaphthalene
Concen: 42.740 ng
RT: 12.39 min Scan# 1583
Delta R.T. 0.00 min
Lab File: BG045777.D
Acq: 16 Jun 2020 18:01

Instrument :
BNA_G
ClientSampleId :
HR-06-061120MS

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.1	71.7	107.5
115	41.5	33.8	50.6

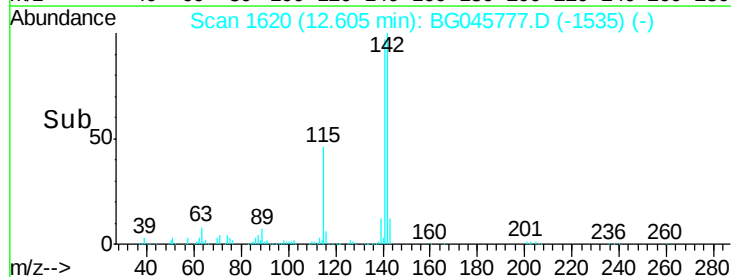
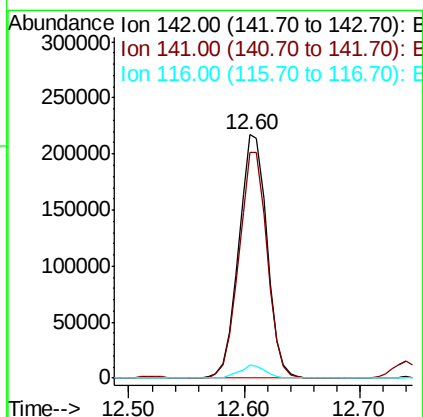
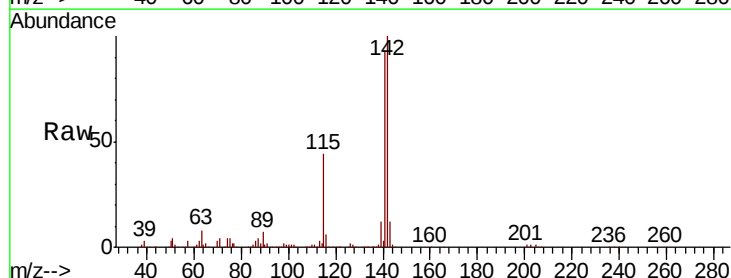
Manual Integrations
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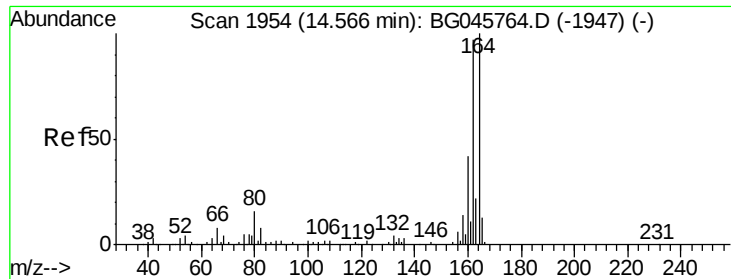
mohammad
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#38
1-Methylnaphthalene
Concen: 43.329 ng
RT: 12.60 min Scan# 1620
Delta R.T. 0.00 min
Lab File: BG045777.D
Acq: 16 Jun 2020 18:01

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.5	73.8	110.8
116	5.6	3.8	5.8





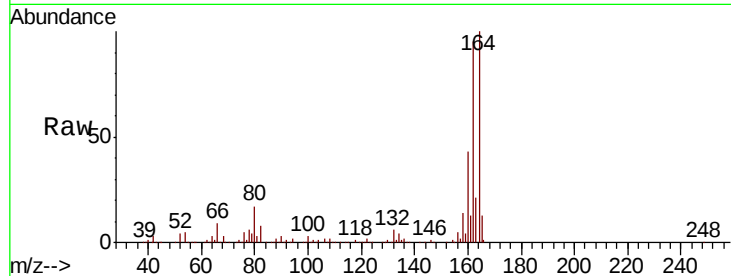
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.57 min Scan# 1954
Delta R.T. 0.00 min
Lab File: BG045777.D
Acq: 16 Jun 2020 18:01

Instrument :
BNA_G
ClientSampleId :
HR-06-061120MS

Tot Ion	Ratio	Lower	Upper
164	100		
162	94.6	77.4	116.0
160	42.9	33.3	49.9

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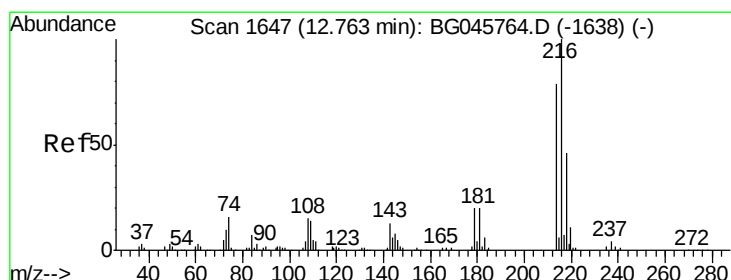
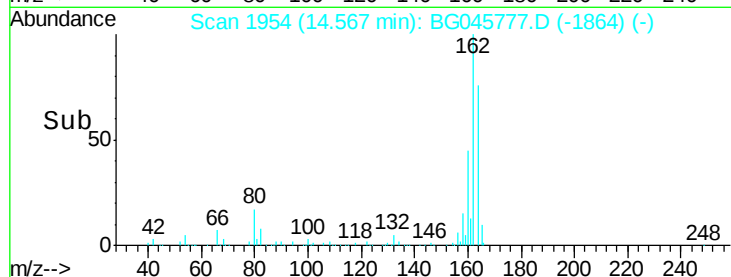
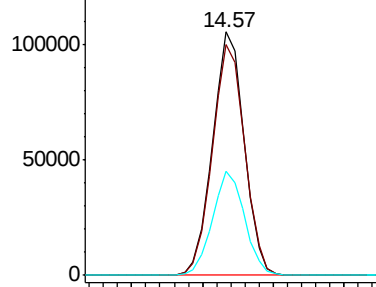


Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40
1,2,4,5-Tetrachlorobenzene
Concen: 39.987 ng
RT: 12.76 min Scan# 1647
Delta R.T. 0.00 min
Lab File: BG045777.D
Acq: 16 Jun 2020 18:01

Tgt Ion	Ratio	Lower	Upper
216	100		
214	80.7	62.8	94.2
179	20.1	16.2	24.4
108	18.6	13.4	20.2

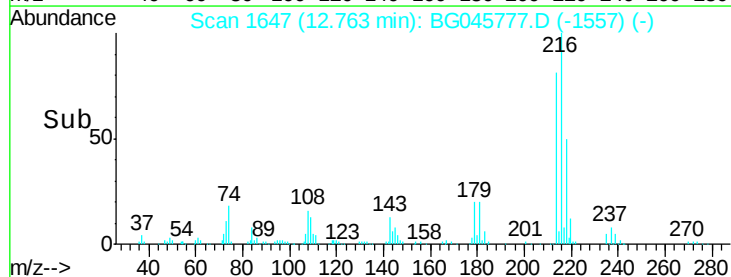
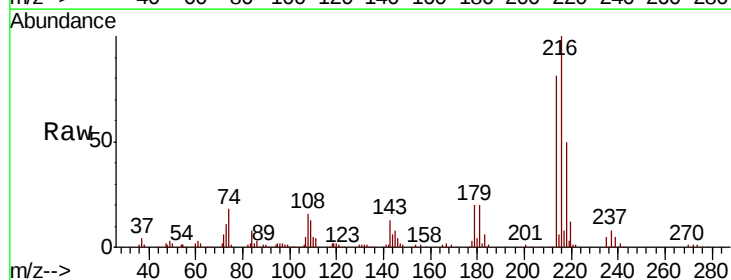
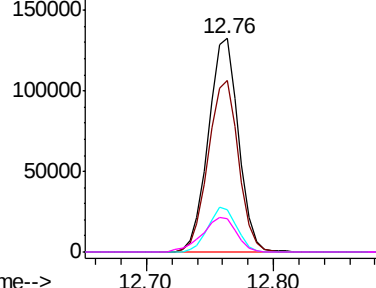
Abundance

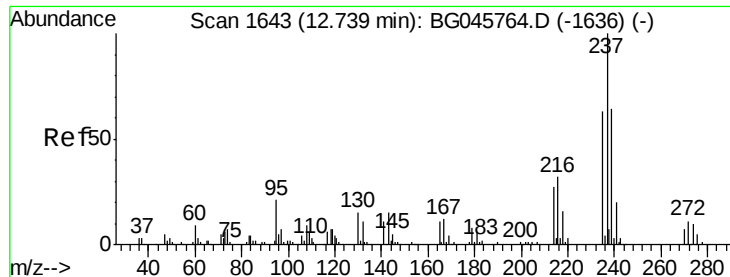
Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





#41

Hexachlorocyclopentadiene

Concen: 72.474 ng

RT: 12.74 min Scan# 1643

Delta R.T. 0.00 min

Lab File: BG045777.D

Acq: 16 Jun 2020 18:01

Instrument :

BNA_G

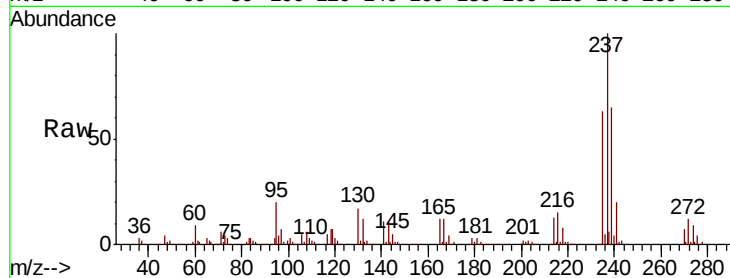
ClientSampleId :

HR-06-061120MS

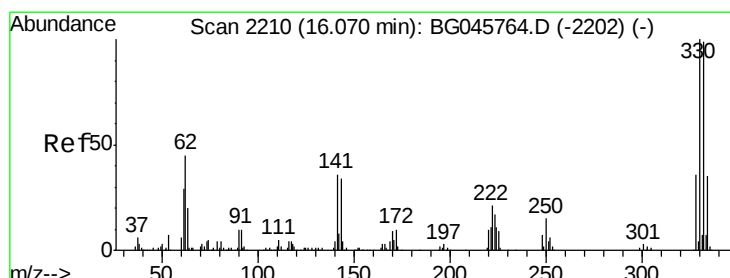
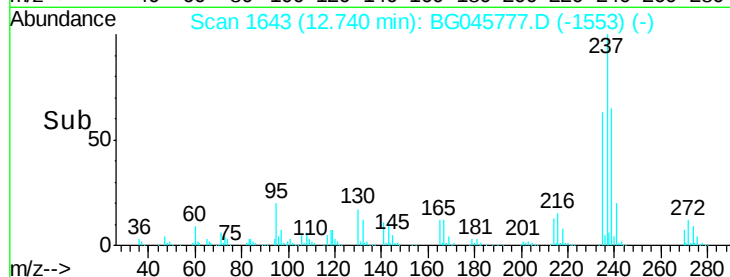
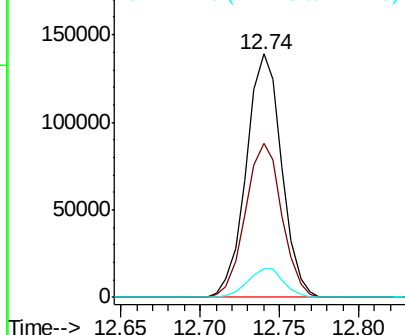
Tot Ion:	237	Resp:	215026
Ion Ratio	Lower	Upper	
237	100		
235	63.4	42.9	82.9
272	11.9	0.0	30.9

Manual Integrations
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Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E



#42

2,4,6-Tribromophenol

Concen: 120.113 ng

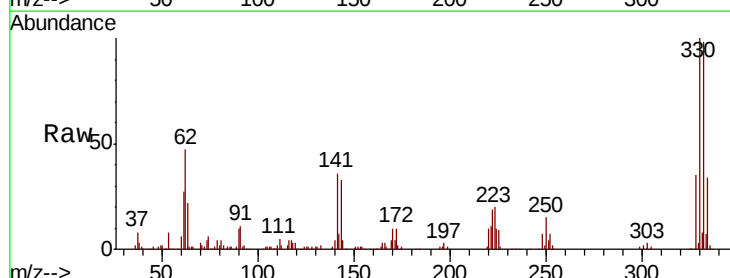
RT: 16.07 min Scan# 2210

Delta R.T. 0.00 min

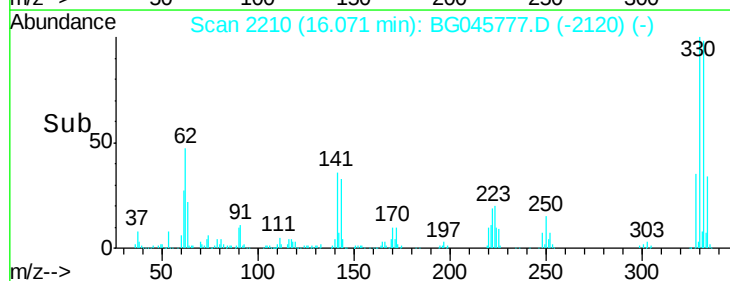
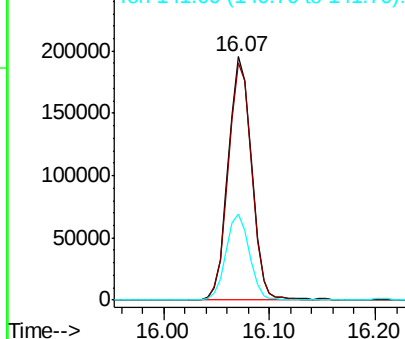
Lab File: BG045777.D

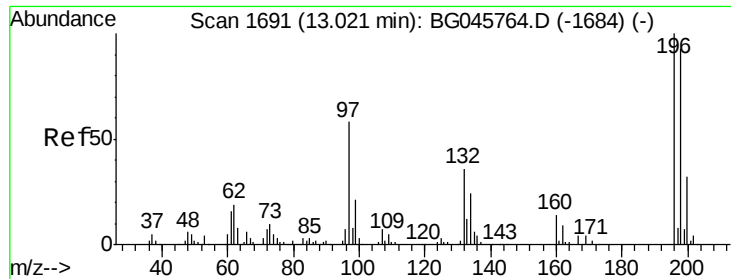
Acq: 16 Jun 2020 18:01

Tgt Ion:	330	Resp:	299468
Ion Ratio	Lower	Upper	
330	100		
332	97.2	78.6	117.8
141	35.4	28.2	42.4



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





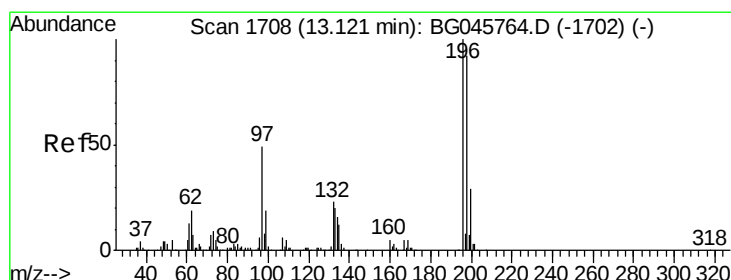
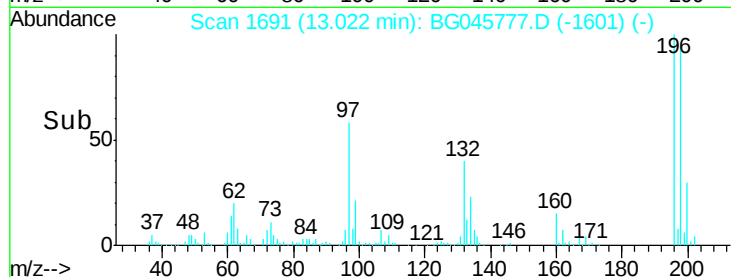
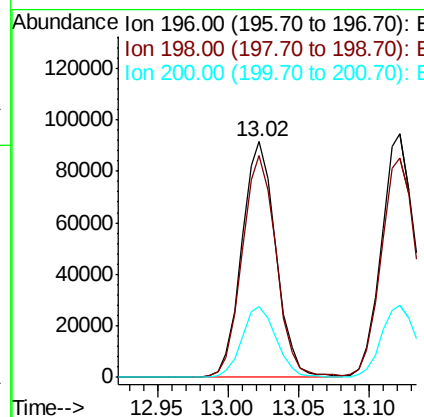
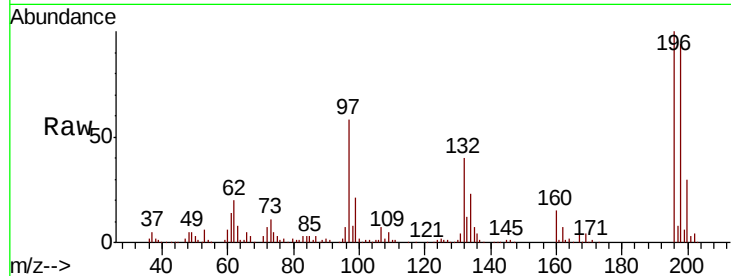
#43
 2,4,6-Trichlorophenol
 Concen: 41.792 ng
 RT: 13.02 min Scan# 1691
 Delta R.T. 0.00 min
 Lab File: BG045777.D
 Acq: 16 Jun 2020 18:01

Instrument :
 BNA_G
 ClientSampleId :
 HR-06-061120MS

Tot Ion	Ratio	Resp	Lower	Upper
196	100	154078		
198	94.1	74.4	111.6	
200	30.0	25.4	38.2	

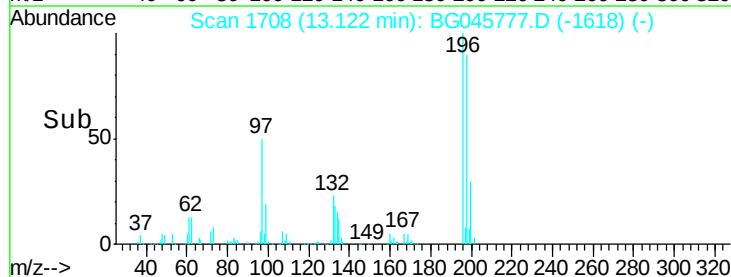
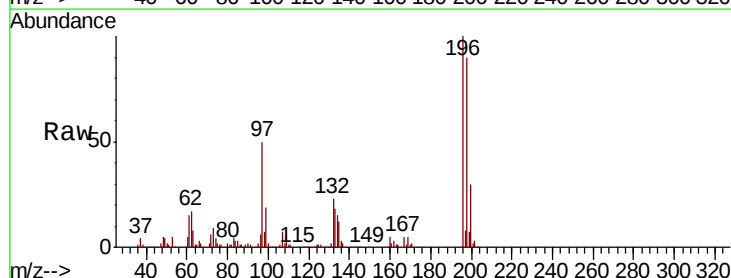
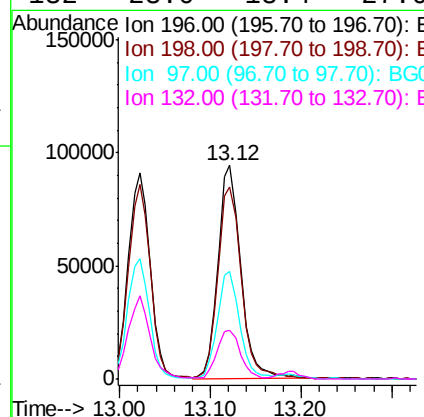
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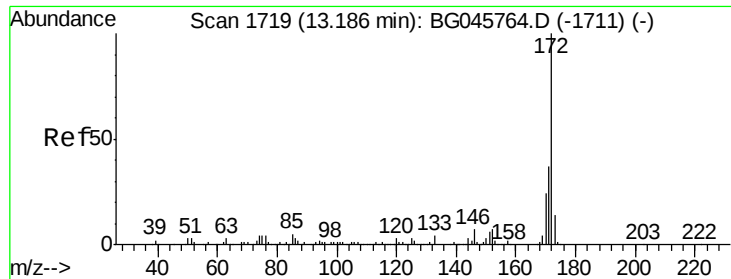
mohammad
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#44
 2,4,5-Trichlorophenol
 Concen: 39.250 ng
 RT: 13.12 min Scan# 1708
 Delta R.T. 0.00 min
 Lab File: BG045777.D
 Acq: 16 Jun 2020 18:01

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	164925		
198	90.0	74.0	111.0	
97	50.4	39.0	58.6	
132	23.0	18.4	27.6	





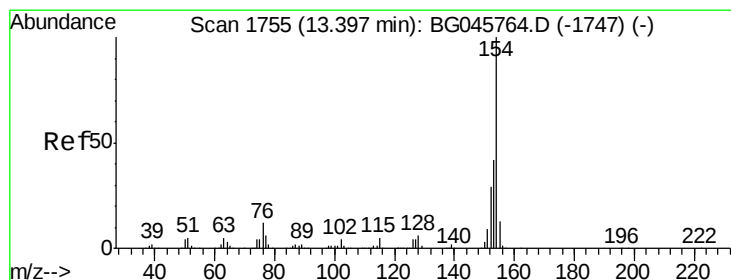
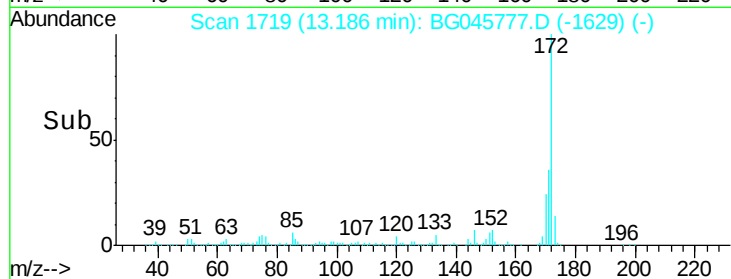
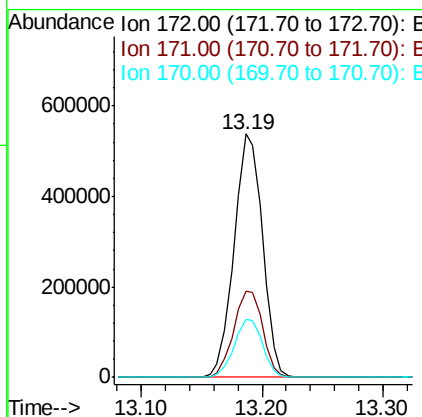
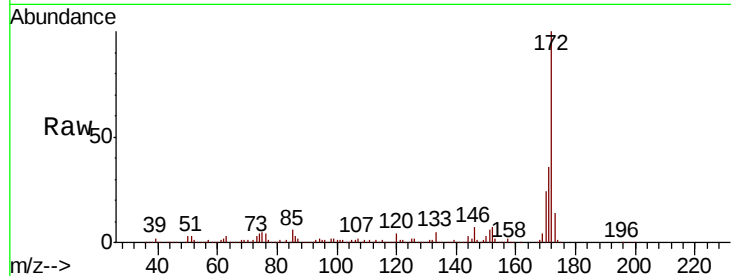
#45
2-Fluorobiphenyl
Concen: 78.636 ng
RT: 13.19 min Scan# 1719
Delta R.T. 0.00 min
Lab File: BG045777.D
Acq: 16 Jun 2020 18:01

Instrument :
BNA_G
ClientSampleId :
HR-06-061120MS

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.9	44.9
170	23.7	19.3	28.9

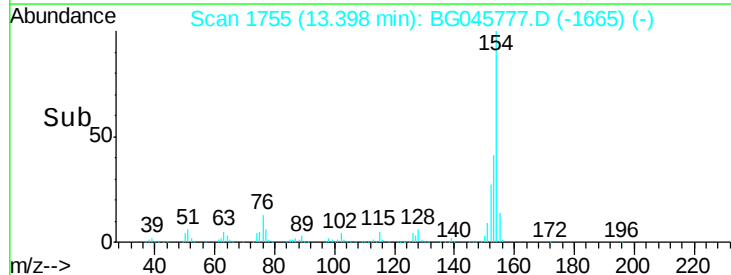
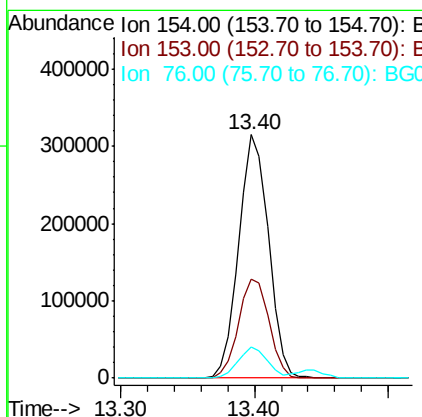
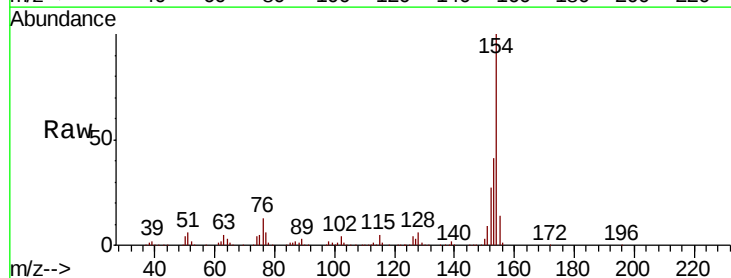
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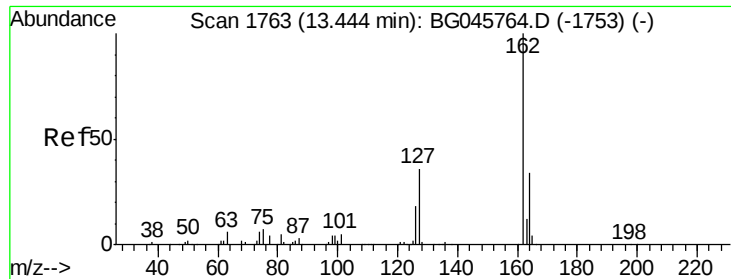
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#46
1,1'-Biphenyl
Concen: 41.178 ng
RT: 13.40 min Scan# 1755
Delta R.T. 0.00 min
Lab File: BG045777.D
Acq: 16 Jun 2020 18:01

Tgt Ion	Ratio	Lower	Upper
154	100		
153	40.9	21.7	61.7
76	12.6	0.0	32.0





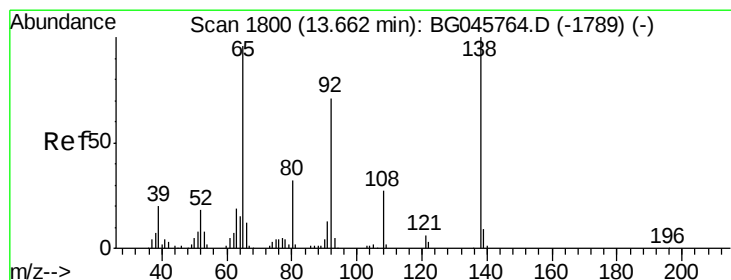
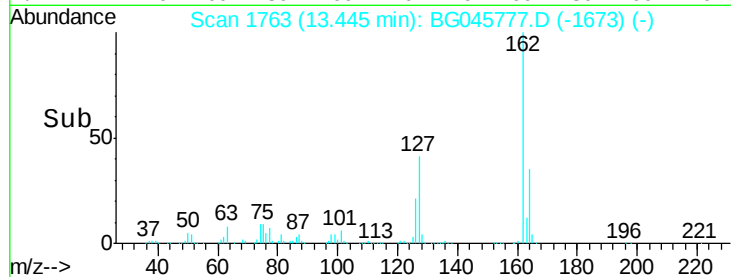
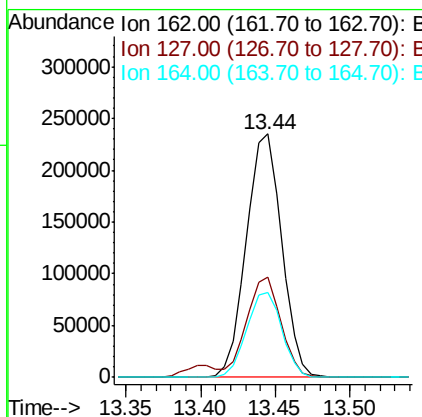
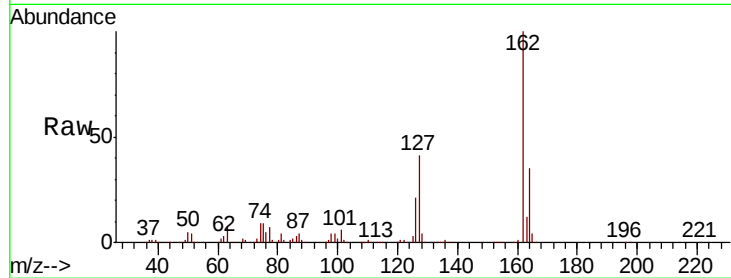
#47
2-Chloronaphthalene
Concen: 40.311 ng
RT: 13.44 min Scan# 1763
Delta R.T. 0.00 min
Lab File: BG045777.D
Acq: 16 Jun 2020 18:01

Instrument :
BNA_G
ClientSampleId :
HR-06-061120MS

Tot Ion	Ratio	Lower	Upper
162	100		
127	40.9	30.5	45.7
164	34.9	27.2	40.8

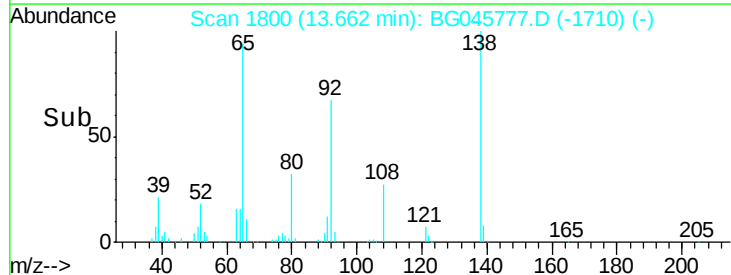
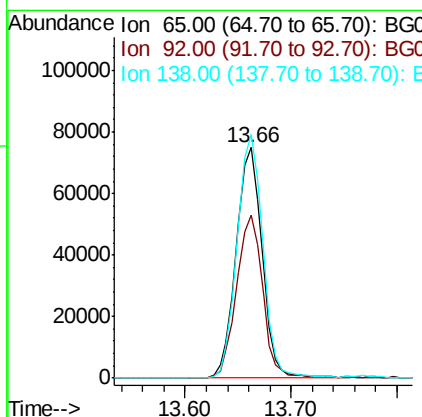
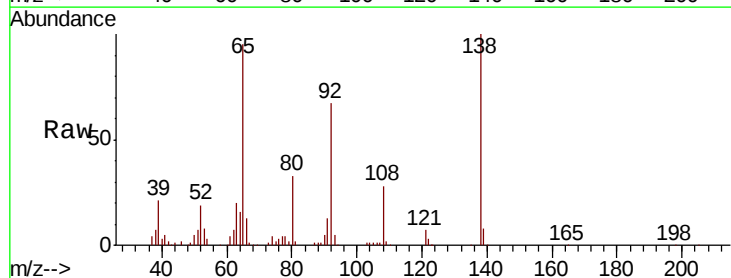
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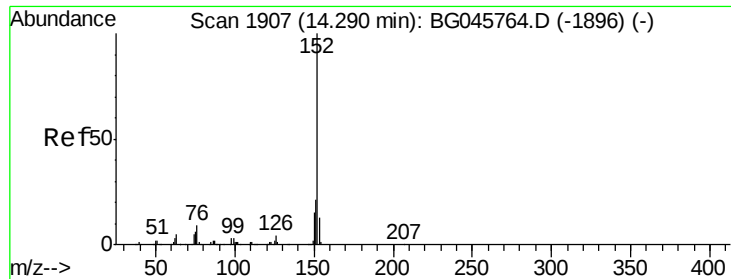
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#48
2-Nitroaniline
Concen: 40.243 ng
RT: 13.66 min Scan# 1800
Delta R.T. 0.00 min
Lab File: BG045777.D
Acq: 16 Jun 2020 18:01

Tgt Ion	Ratio	Lower	Upper
65	100		
92	70.8	59.0	88.6
138	105.7	83.6	125.4





#49

Acenaphthylene

Concen: 40.813 ng

RT: 14.29 min Scan# 1907

Delta R.T. 0.00 min

Lab File: BG045777.D

Acq: 16 Jun 2020 18:01

Instrument :

BNA_G

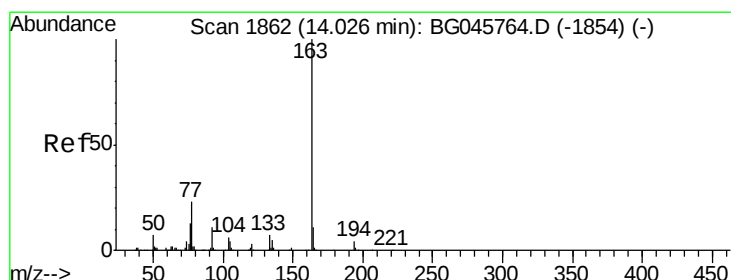
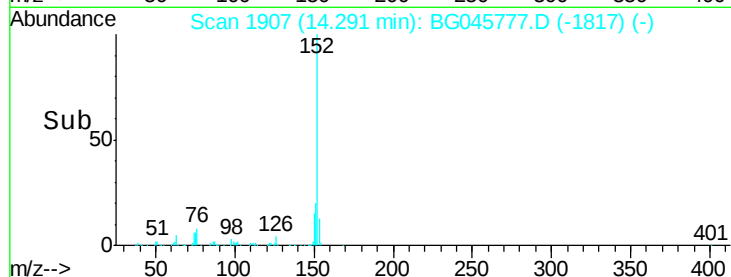
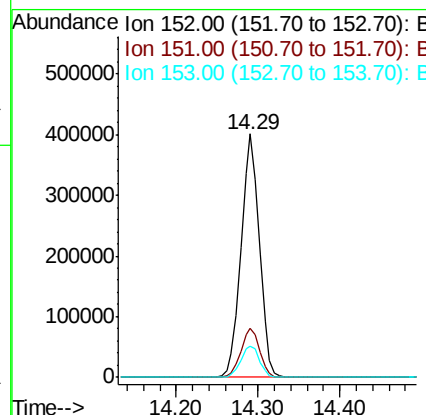
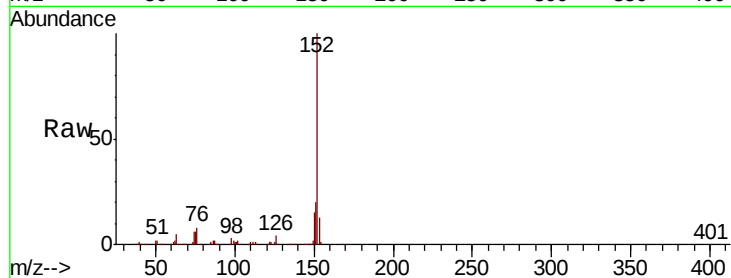
ClientSampleId :

HR-06-061120MS

Tot Ion:	152	Resp:	624344
Ion Ratio	Lower	Upper	
152	100		
151	20.2	17.0	25.4
153	13.0	10.6	15.8

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#50

Dimethylphthalate

Concen: 49.851 ng

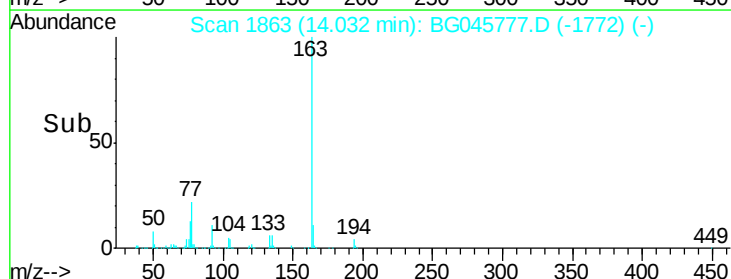
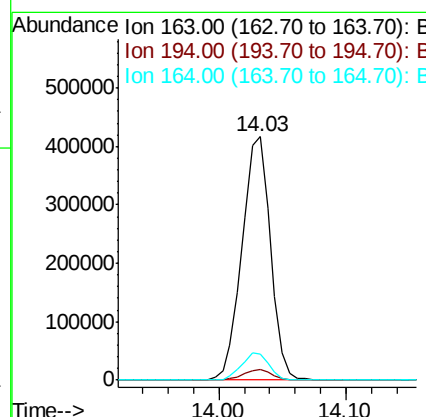
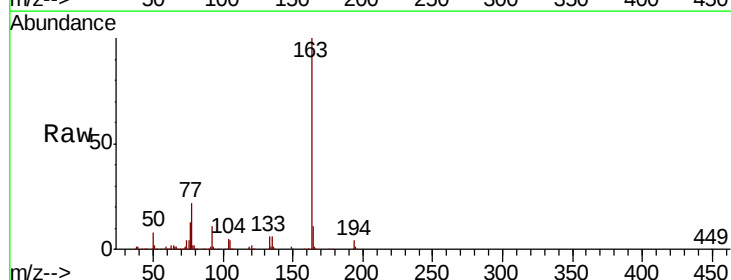
RT: 14.03 min Scan# 1863

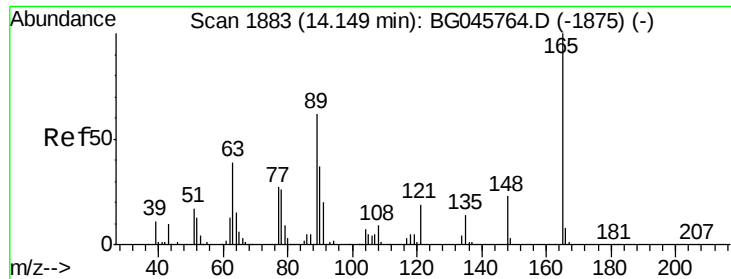
Delta R.T. 0.01 min

Lab File: BG045777.D

Acq: 16 Jun 2020 18:01

Tgt Ion:	163	Resp:	644934
Ion Ratio	Lower	Upper	
163	100		
194	4.3	3.4	5.0
164	10.9	8.9	13.3





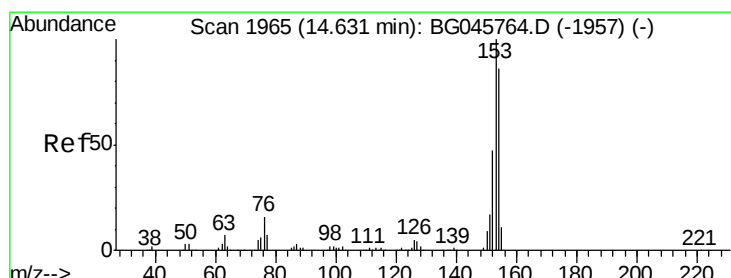
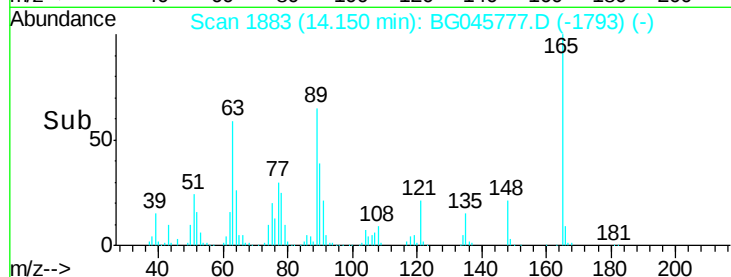
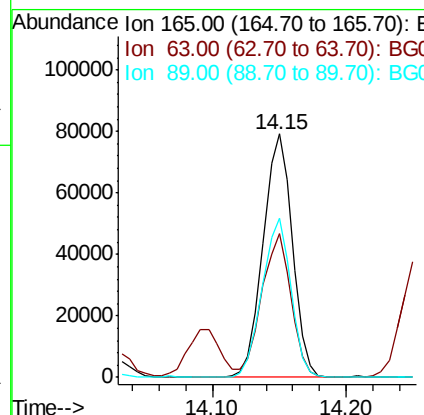
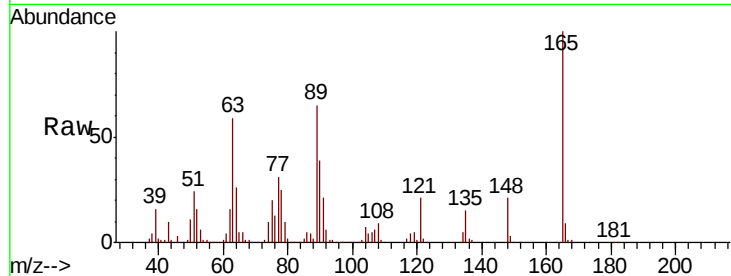
#51
 2,6-Dinitrotoluene
 Concen: 41.251 ng
 RT: 14.15 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: BG045777.D
 Acq: 16 Jun 2020 18:01

Instrument :
 BNA_G
 ClientSampleId :
 HR-06-061120MS

Tot Ion	Ratio	Lower	Upper
165	100		
63	59.2	41.2	61.8
89	65.1	49.7	74.5

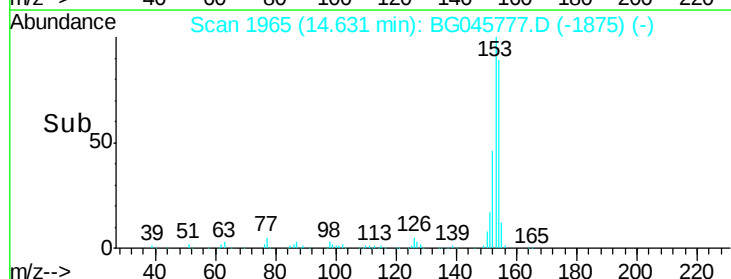
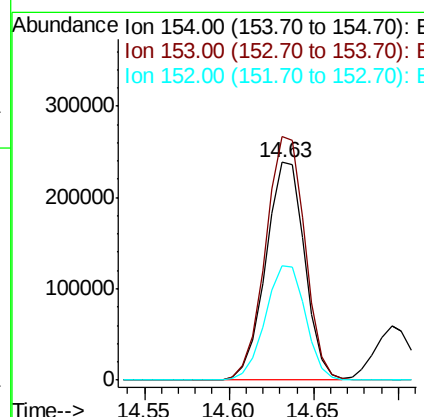
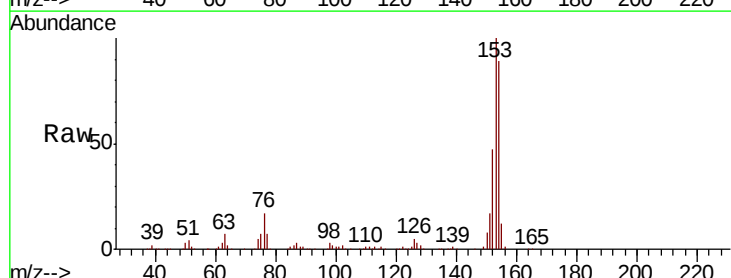
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#52
 Acenaphthene
 Concen: 41.232 ng
 RT: 14.63 min Scan# 1965
 Delta R.T. 0.00 min
 Lab File: BG045777.D
 Acq: 16 Jun 2020 18:01

Tgt Ion	Ratio	Lower	Upper
154	100		
153	111.8	93.0	139.4
152	52.5	43.7	65.5





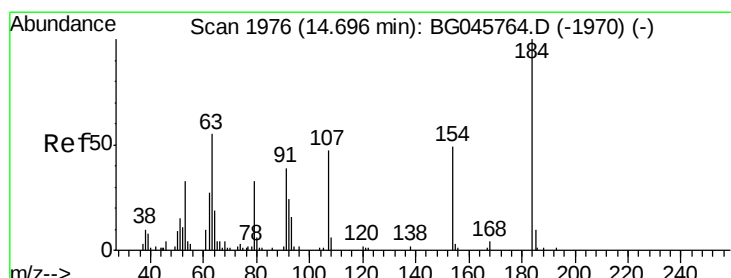
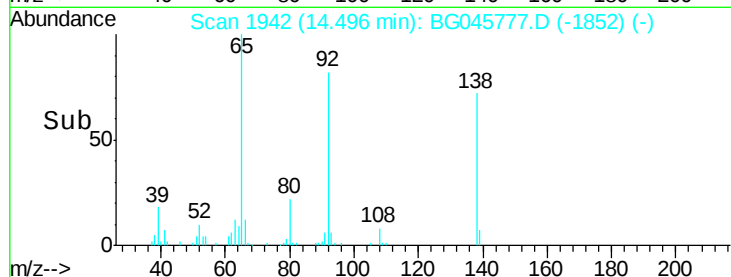
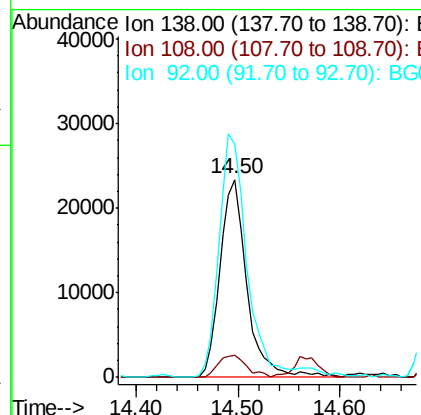
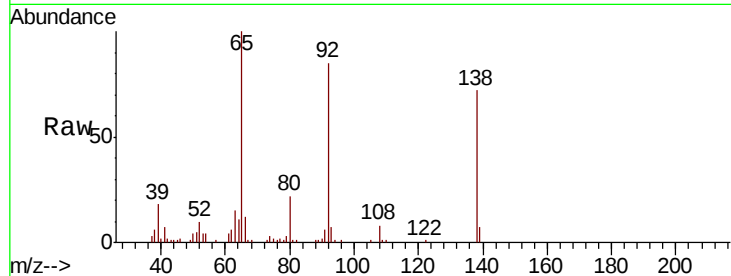
#53
3-Nitroaniline
Concen: 14.834 ng
RT: 14.50 min Scan# 1942
Delta R.T. 0.00 min
Lab File: BG045777.D
Acq: 16 Jun 2020 18:01

Instrument :
BNA_G
ClientSampleId :
HR-06-061120MS

Tot Ion	Ratio	Lower	Upper
138	100		
108	11.4	8.4	12.6
92	118.0	95.6	143.4

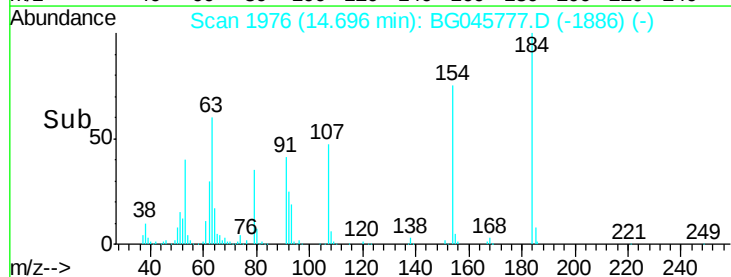
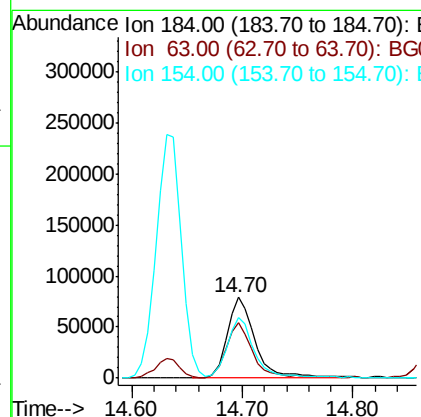
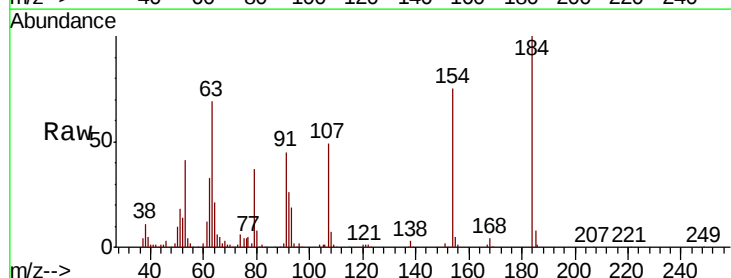
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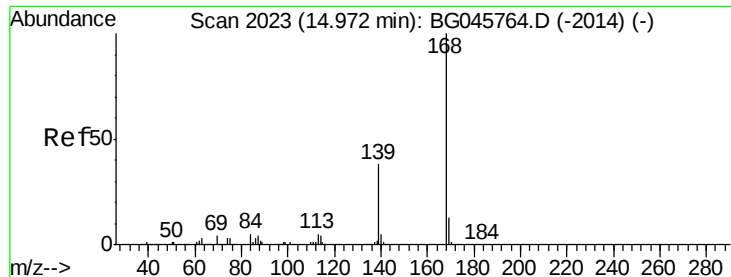
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#54
2,4-Dinitrophenol
Concen: 85.889 ng
RT: 14.70 min Scan# 1976
Delta R.T. 0.00 min
Lab File: BG045777.D
Acq: 16 Jun 2020 18:01

Tgt Ion	Ratio	Lower	Upper
184	100		
63	69.0	46.6	70.0
154	74.5	58.6	87.8





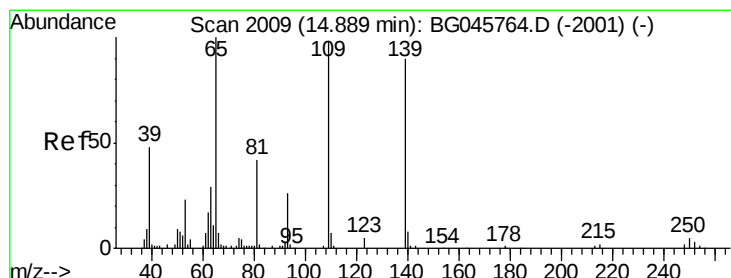
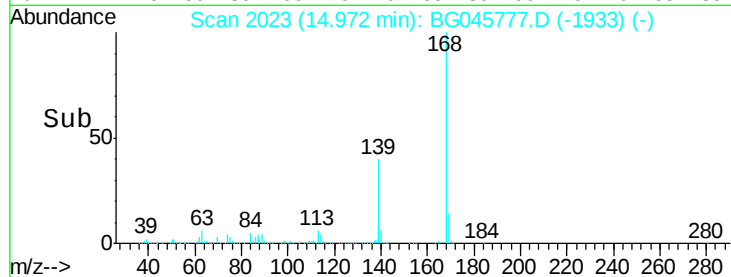
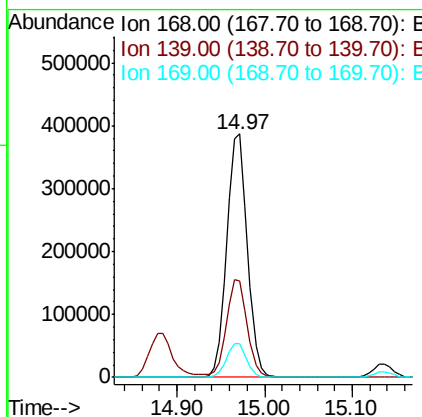
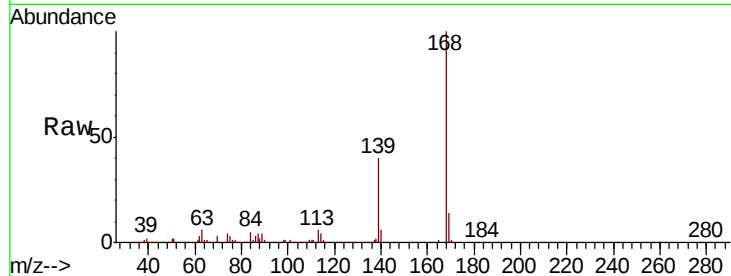
#55
Dibenzenofuran
Concen: 41.385 ng
RT: 14.97 min Scan# 2023
Delta R.T. 0.00 min
Lab File: BG045777.D
Acq: 16 Jun 2020 18:01

Instrument :
BNA_G
ClientSampleId :
HR-06-061120MS

Tot Ion	Ratio	Lower	Upper
168	100		
139	39.5	31.8	47.6
169	13.6	10.4	15.6

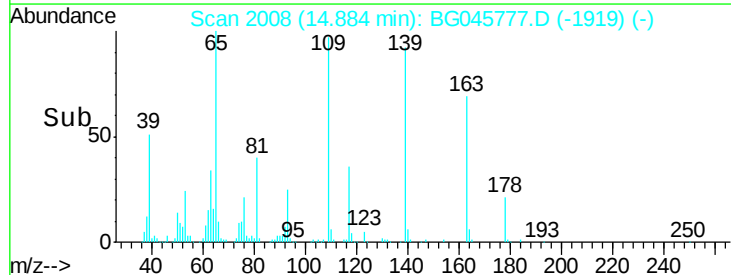
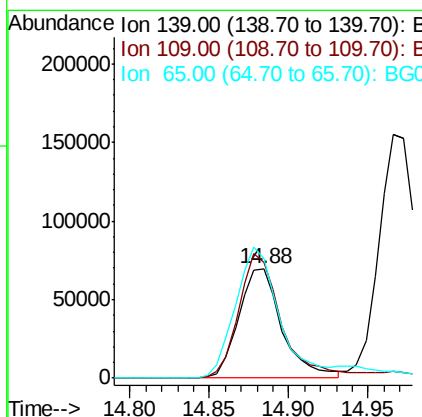
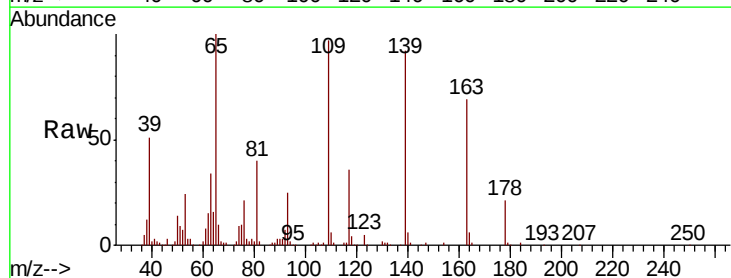
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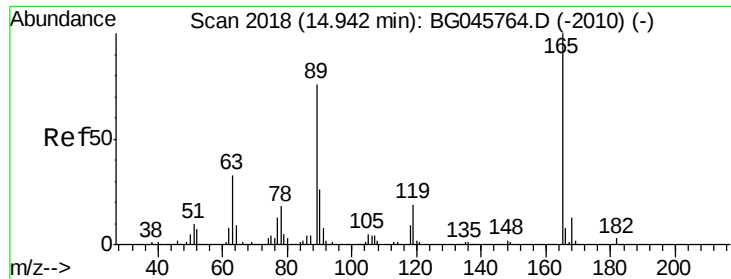
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#56
4-Nitrophenol
Concen: 64.490 ng
RT: 14.88 min Scan# 2008
Delta R.T. -0.00 min
Lab File: BG045777.D
Acq: 16 Jun 2020 18:01

Tgt Ion	Ratio	Lower	Upper
139	100		
109	105.4	88.9	128.9
65	109.0	92.3	132.3





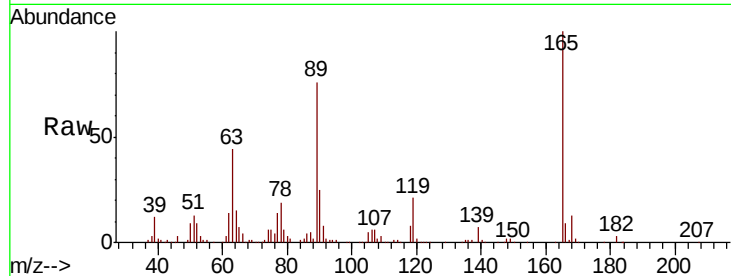
#57
2,4-Dinitrotoluene
Concen: 41.272 ng
RT: 14.94 min Scan# 2018
Delta R.T. 0.00 min
Lab File: BG045777.D
Acq: 16 Jun 2020 18:01

Instrument :
BNA_G
ClientSampleId :
HR-06-061120MS

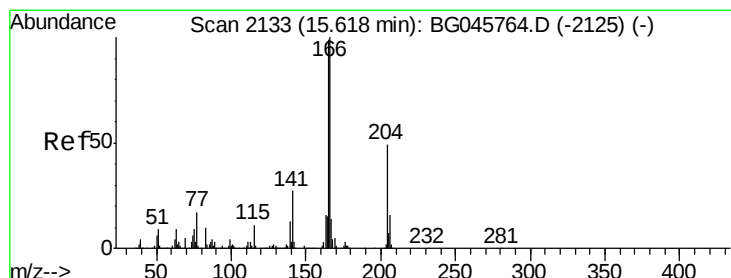
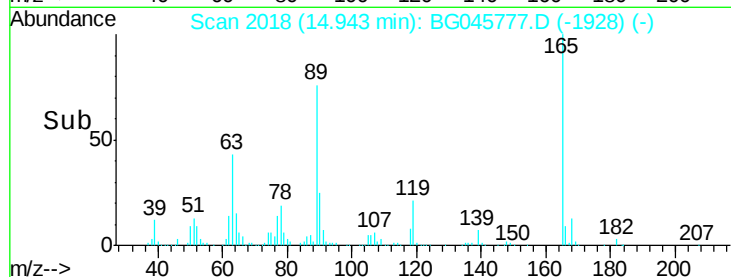
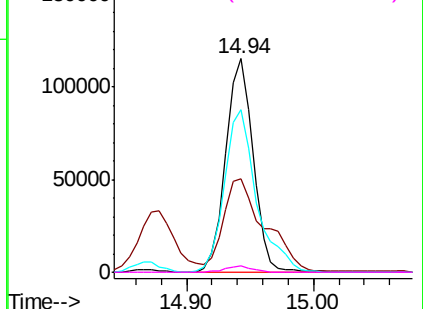
Tot Ion	Ion	Ratio	Resp	Lower	Upper
165	100		171825		
63	43.6		33.8	50.8	
89	76.0		60.4	90.6	
182	2.8		2.6	3.8	

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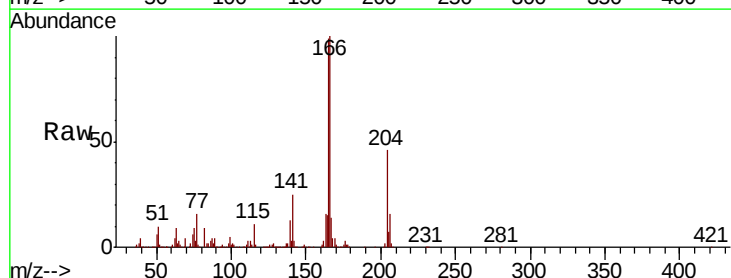


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BG
Ion 89.00 (88.70 to 89.70): BG
Ion 182.00 (181.70 to 182.70): E

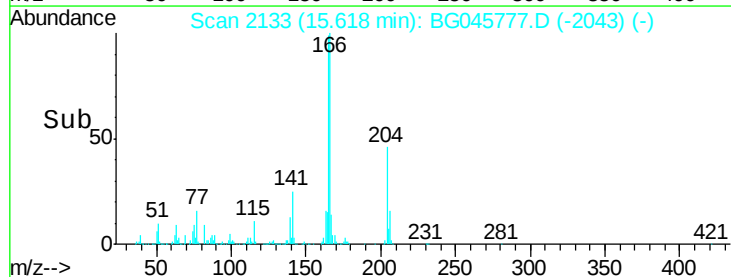
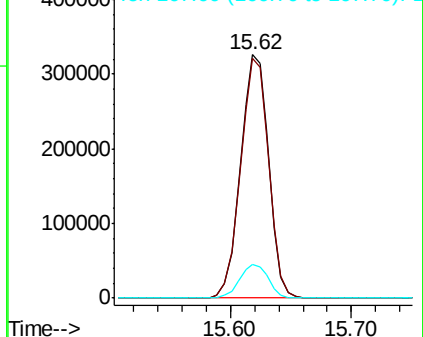


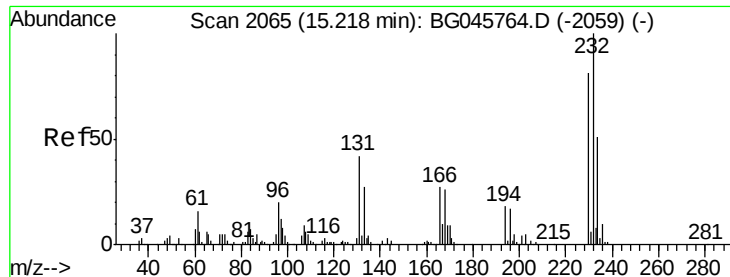
#58
Fluorene
Concen: 42.063 ng
RT: 15.62 min Scan# 2133
Delta R.T. 0.00 min
Lab File: BG045777.D
Acq: 16 Jun 2020 18:01

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
166	100		526867		
165	98.7		79.1	118.7	
167	13.9		11.5	17.3	



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





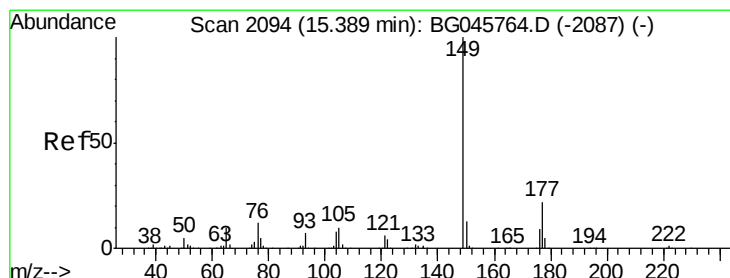
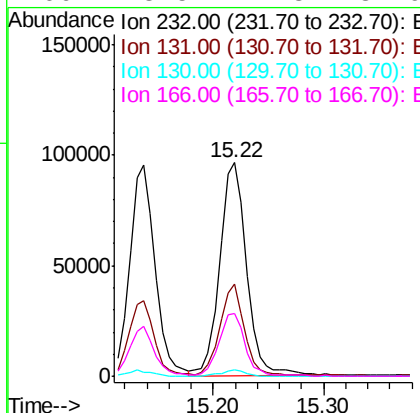
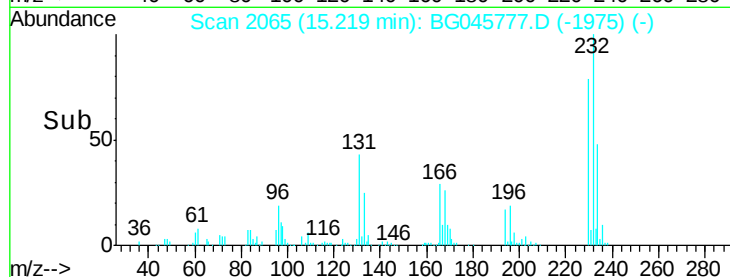
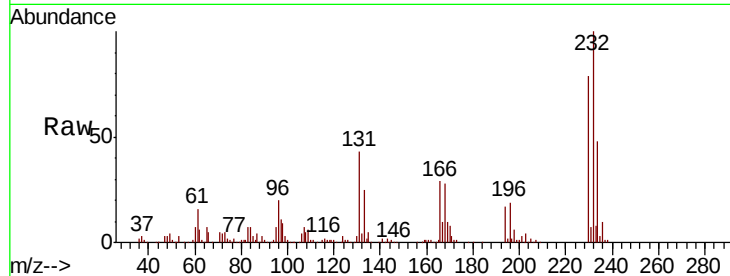
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 44.774 ng
 RT: 15.22 min Scan# 2065
 Delta R.T. 0.00 min
 Lab File: BG045777.D
 Acq: 16 Jun 2020 18:01

Instrument :
 BNA_G
 ClientSampleId :
 HR-06-061120MS

Tot Ion	Ratio	Resp	Lower	Upper
232	100	163290		
131	38.8		32.2	48.2
130	2.5		2.2	3.4
166	28.5		21.3	31.9

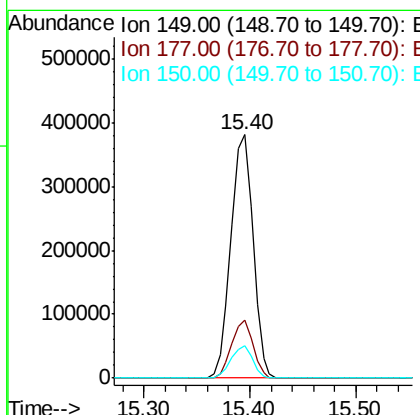
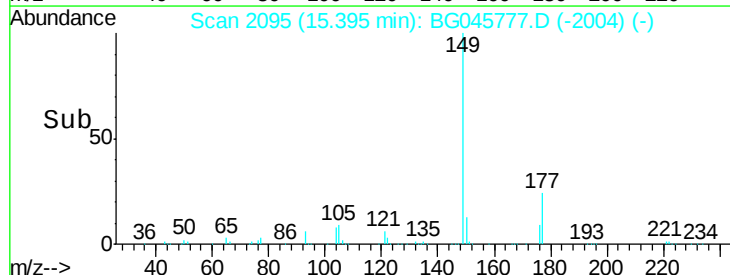
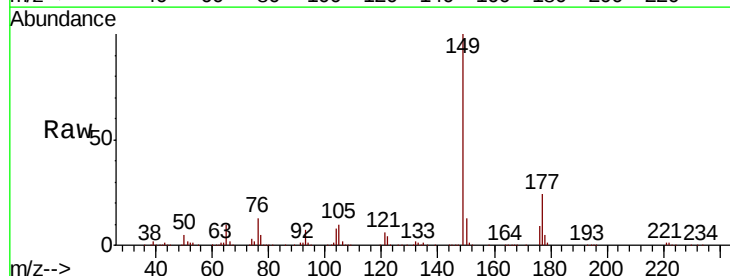
Manual Integrations
 APPROVED

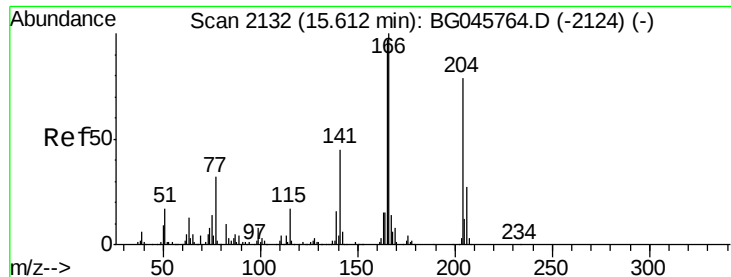
mohammad
 6/18/2020 11:51:33 AM



#60
 Diethylphthalate
 Concen: 41.774 ng
 RT: 15.40 min Scan# 2095
 Delta R.T. 0.01 min
 Lab File: BG045777.D
 Acq: 16 Jun 2020 18:01

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	552468		
177	23.7		17.2	25.8
150	13.1		10.7	16.1





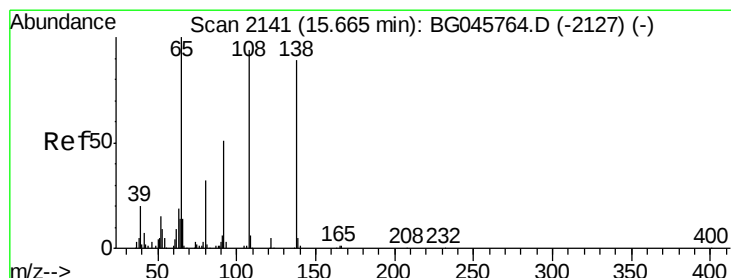
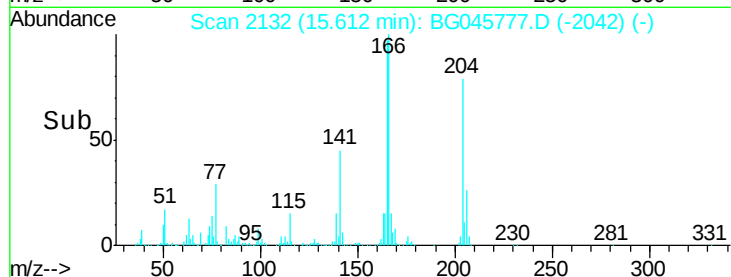
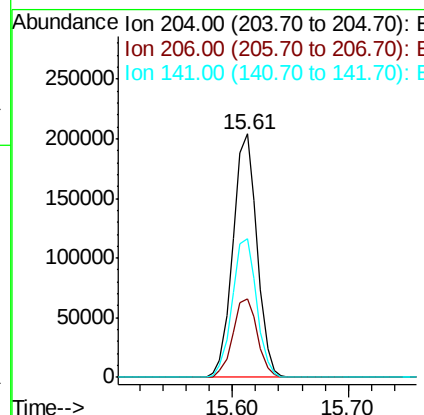
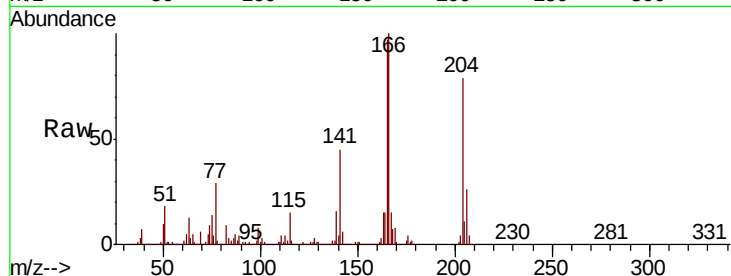
#61
4-Chlorophenyl-phenylether
Concen: 40.701 ng
RT: 15.61 min Scan# 2132
Delta R.T. 0.00 min
Lab File: BG045777.D
Acq: 16 Jun 2020 18:01

Instrument :
BNA_G
ClientSampleId :
HR-06-061120MS

Tot Ion	Ratio	Resp	Lower	Upper
204	100	293833		
206	32.4		27.2	40.8
141	56.9		45.9	68.9

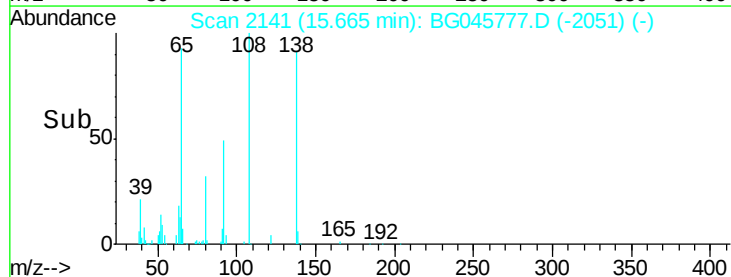
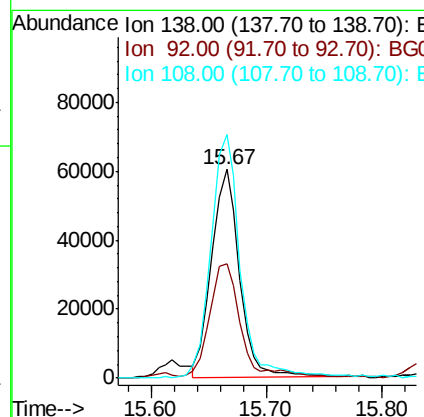
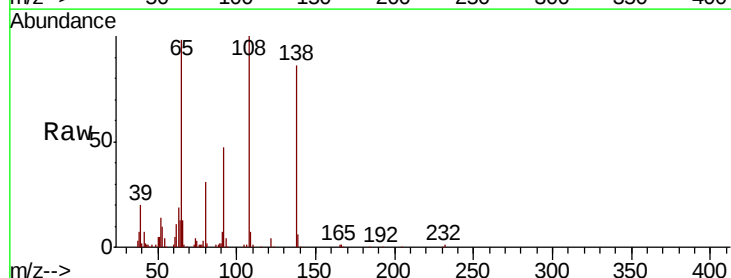
Manual Integrations
APPROVED

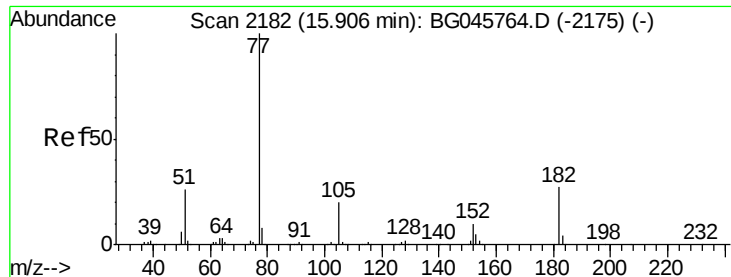
mohammad
6/18/2020 11:51:33 AM



#62
4-Nitroaniline
Concen: 33.907 ng
RT: 15.67 min Scan# 2141
Delta R.T. 0.00 min
Lab File: BG045777.D
Acq: 16 Jun 2020 18:01

Tgt Ion	Ratio	Resp	Lower	Upper
138	100	101000		
92	54.6		37.3	77.3
108	116.5		85.0	125.0





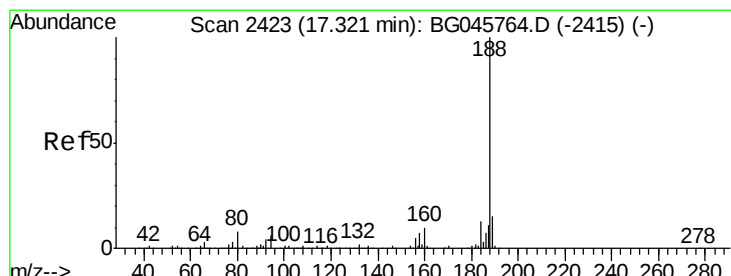
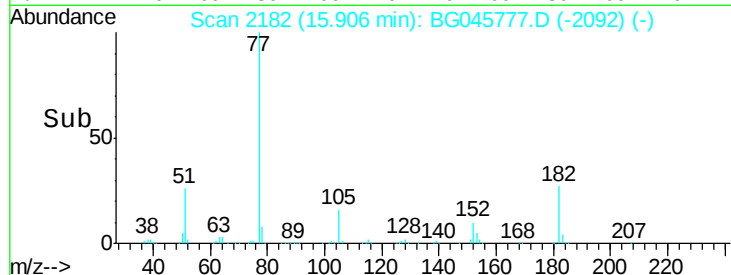
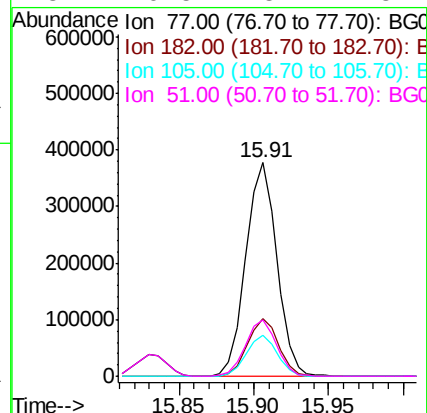
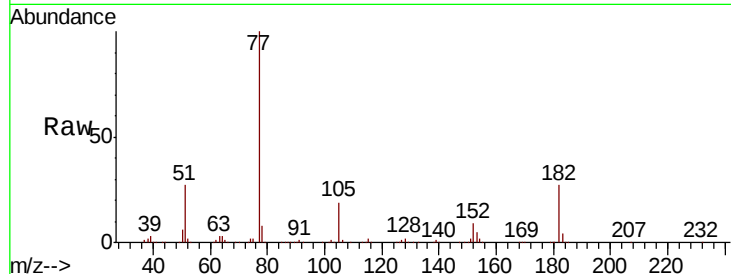
#63
Azobenzene
Concen: 42.496 ng
RT: 15.91 min Scan# 2182
Delta R.T. 0.00 min
Lab File: BG045777.D
Acq: 16 Jun 2020 18:01

Instrument :
BNA_G
ClientSampleId :
HR-06-061120MS

Tot Ion	Ratio	Lower	Upper
77	100		
182	26.7	7.4	47.4
105	18.9	0.1	40.1
51	26.5	5.7	45.7

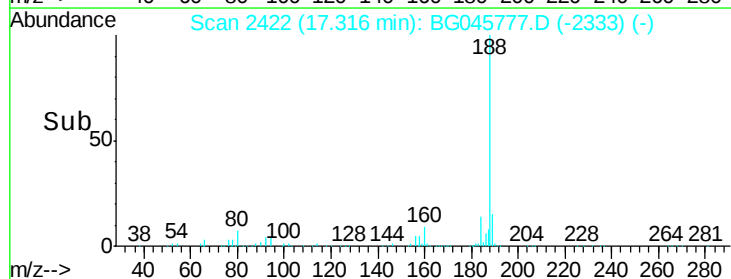
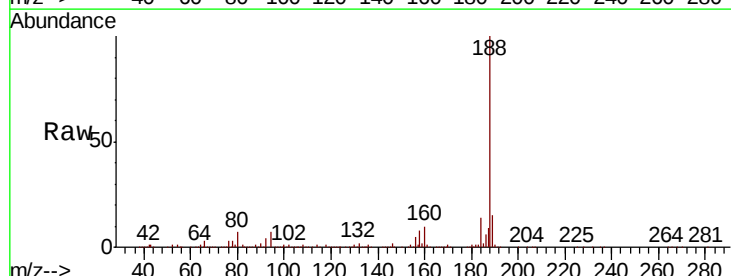
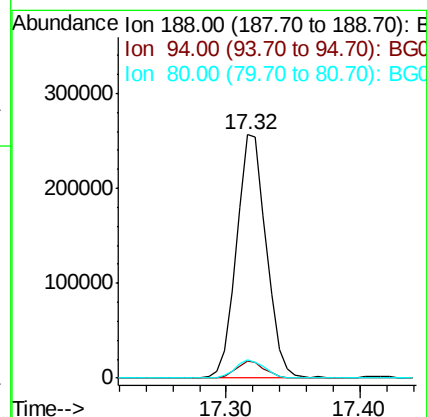
Manual Integrations
APPROVED

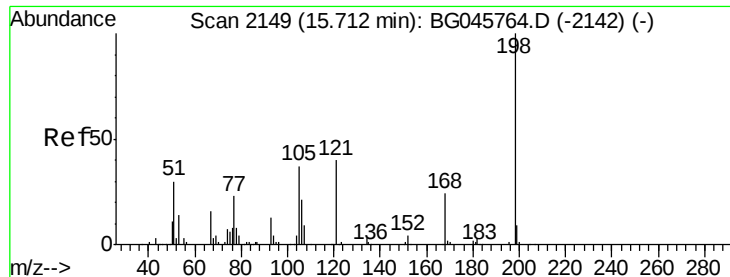
mohammad
6/18/2020 11:51:33 AM



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.32 min Scan# 2422
Delta R.T. -0.01 min
Lab File: BG045777.D
Acq: 16 Jun 2020 18:01

Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.8	5.1	7.7
80	7.5	6.2	9.4





#65

4,6-Dinitro-2-methylphenol

Concen: 46.287 ng

RT: 15.71 min Scan# 2149

Delta R.T. 0.00 min

Lab File: BG045777.D

Acq: 16 Jun 2020 18:01

Instrument :

BNA_G

ClientSampleId :

HR-06-061120MS

Tot Ion:198 Resp: 113801

Ion Ratio Lower Upper

198 100

51 38.1 14.6 54.6

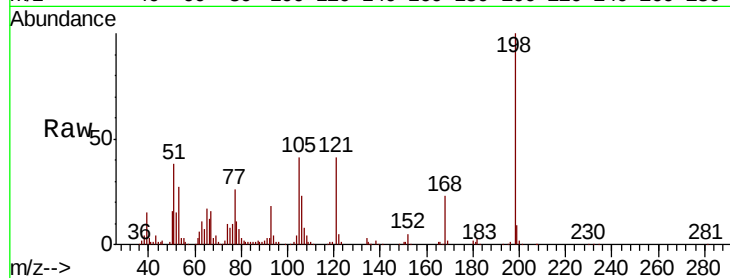
105 41.0 18.4 58.4

Manual Integrations

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mohammad

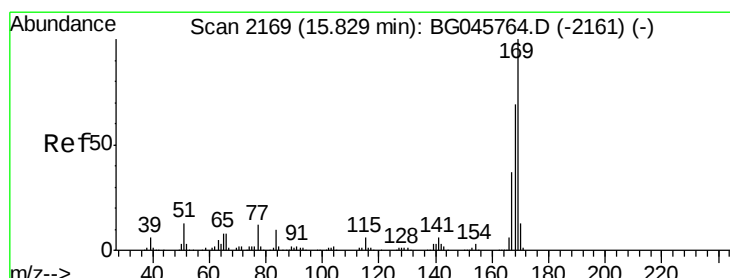
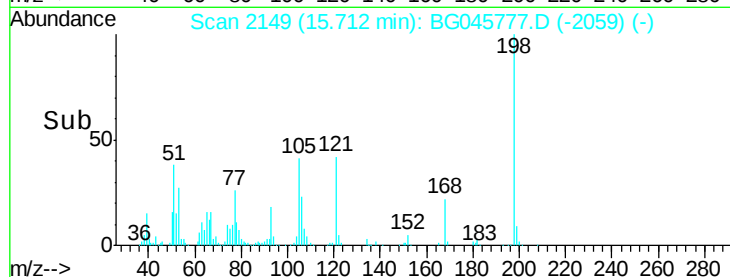
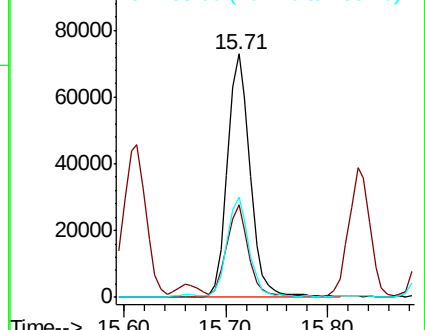
6/18/2020 11:51:33 AM



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 41.457 ng

RT: 15.83 min Scan# 2169

Delta R.T. 0.00 min

Lab File: BG045777.D

Acq: 16 Jun 2020 18:01

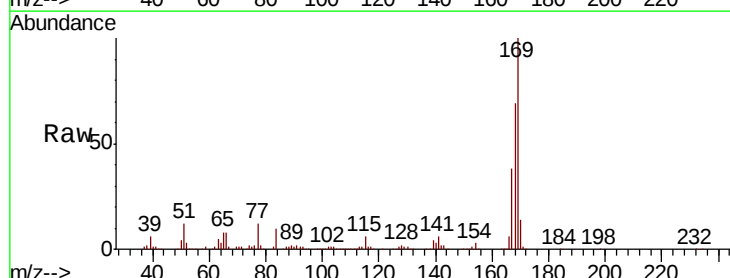
Tgt Ion:169 Resp: 467150

Ion Ratio Lower Upper

169 100

168 69.3 55.2 82.8

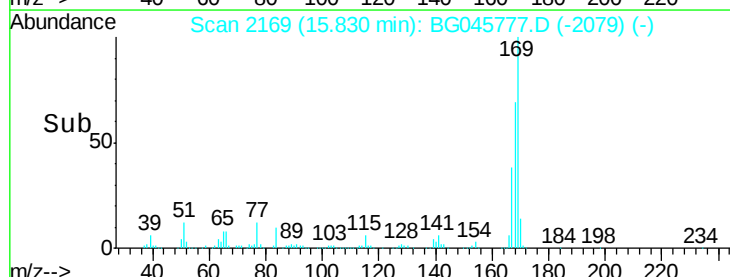
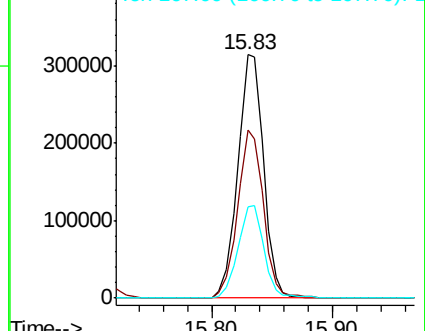
167 37.7 29.8 44.6

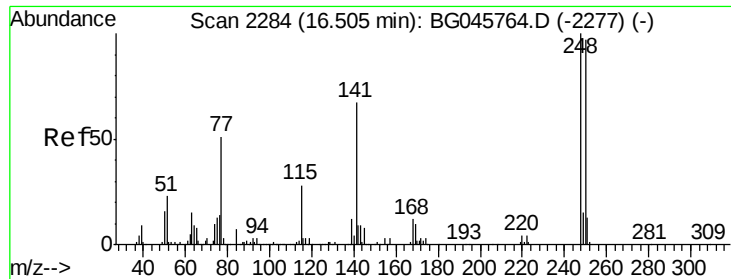


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





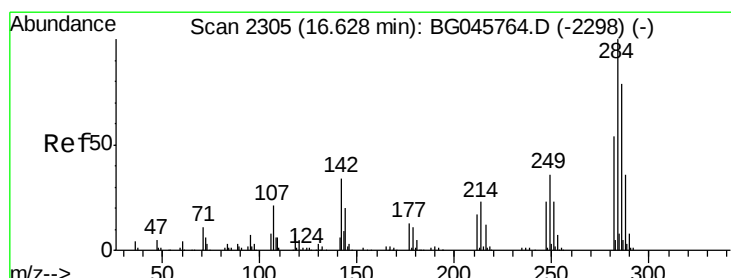
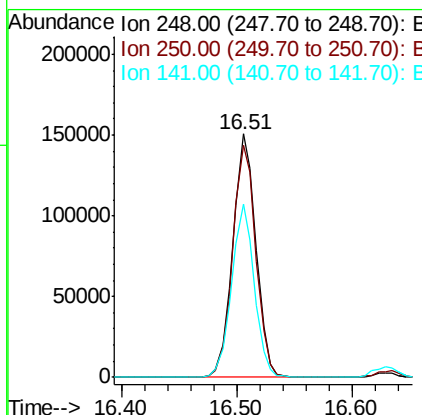
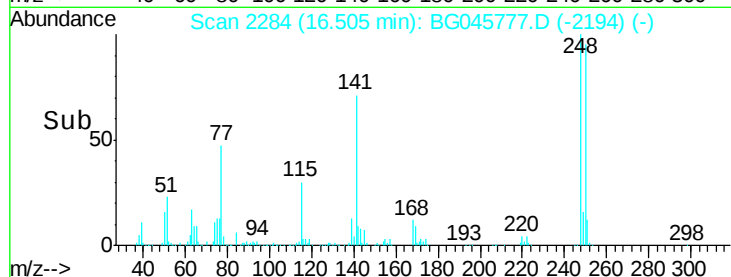
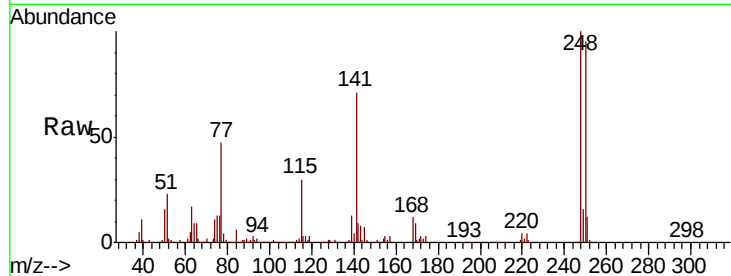
#67
4-Bromophenyl-phenylether
Concen: 40.192 ng
RT: 16.51 min Scan# 2284
Delta R.T. 0.00 min
Lab File: BG045777.D
Acq: 16 Jun 2020 18:01

Instrument :
BNA_G
ClientSampleId :
HR-06-061120MS

Tot Ion	Ratio	Lower	Upper
248	100		
250	95.5	78.0	117.0
141	70.9	53.9	80.9

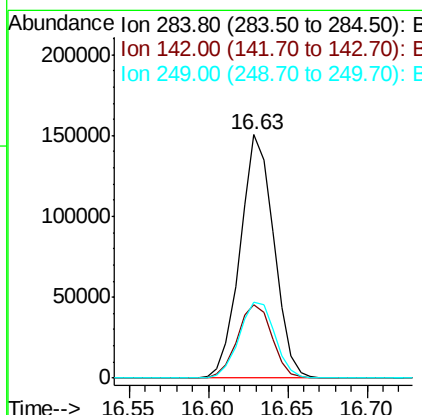
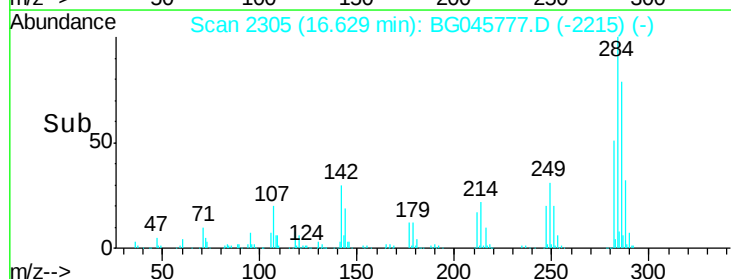
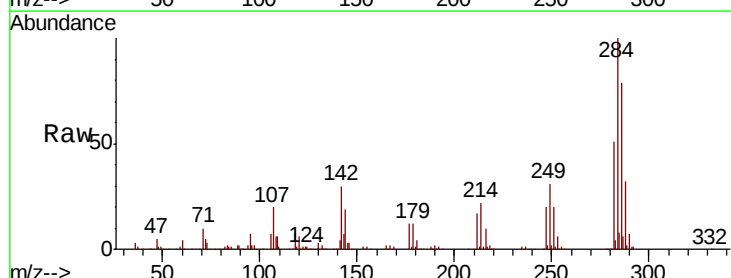
Manual Integrations
APPROVED

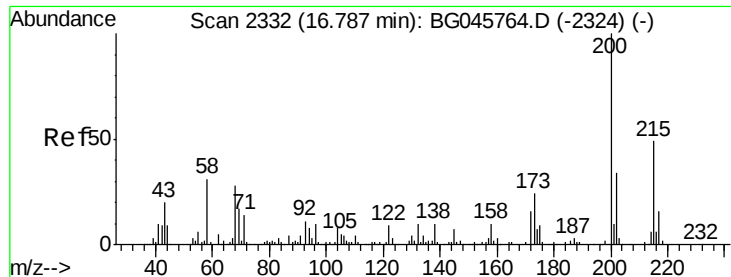
mohammad
6/18/2020 11:51:33 AM



#68
Hexachlorobenzene
Concen: 41.454 ng
RT: 16.63 min Scan# 2305
Delta R.T. 0.00 min
Lab File: BG045777.D
Acq: 16 Jun 2020 18:01

Tgt Ion	Ratio	Lower	Upper
284	100		
142	30.0	26.9	40.3
249	31.4	28.6	42.8





#69

Atrazine

Concen: 41.070 ng

RT: 16.79 min Scan# 2332

Delta R.T. 0.00 min

Lab File: BG045777.D

Acq: 16 Jun 2020 18:01

Instrument :

BNA_G

ClientSampleId :

HR-06-061120MS

Tot Ion:200 Resp: 179581

Ion Ratio Lower Upper

200 100

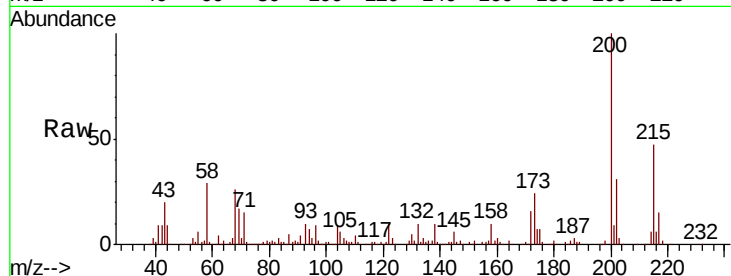
173 23.5 3.9 43.9

215 47.3 28.8 68.8

Manual Integrations
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mohammad

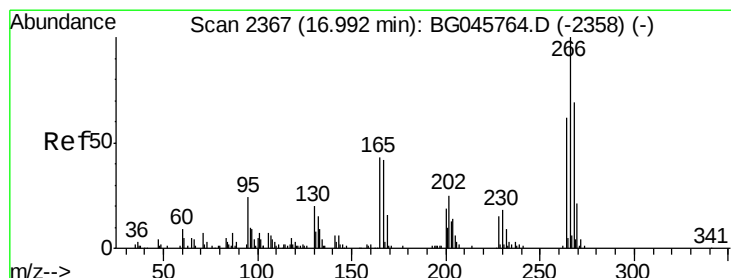
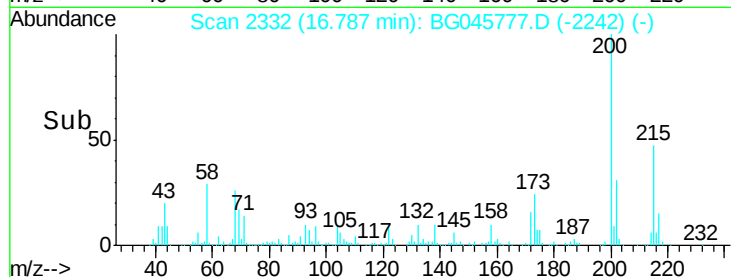
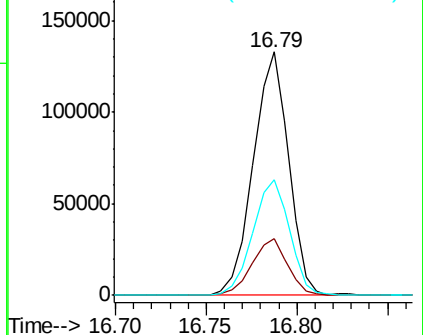
6/18/2020 11:51:33 AM



Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#70

Pentachlorophenol

Concen: 88.805 ng

RT: 16.99 min Scan# 2367

Delta R.T. 0.00 min

Lab File: BG045777.D

Acq: 16 Jun 2020 18:01

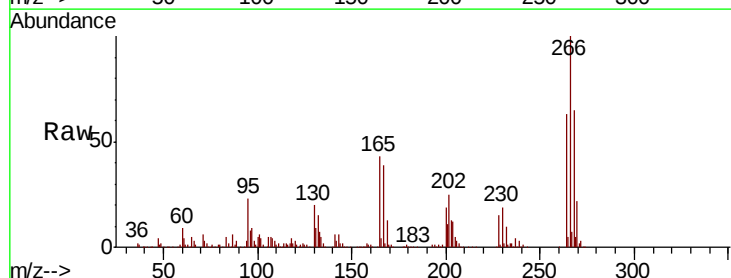
Tgt Ion:266 Resp: 237215

Ion Ratio Lower Upper

266 100

268 64.9 55.4 83.0

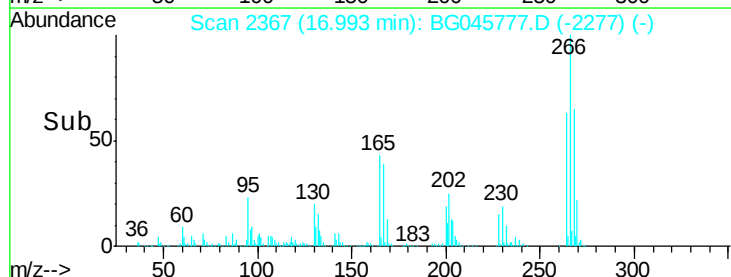
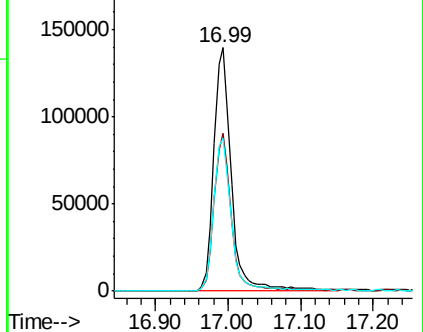
264 62.7 49.8 74.6

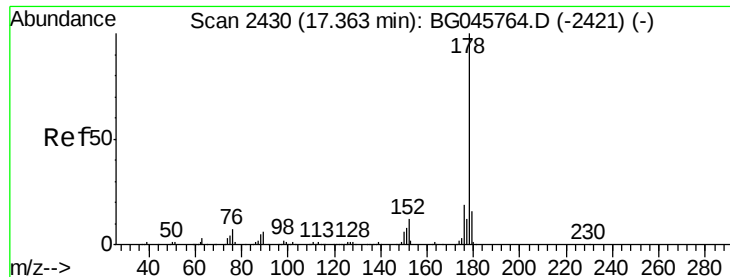


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





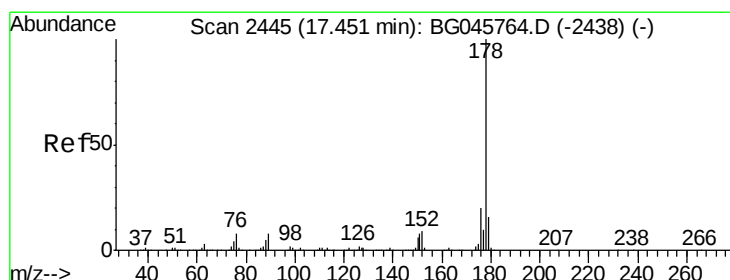
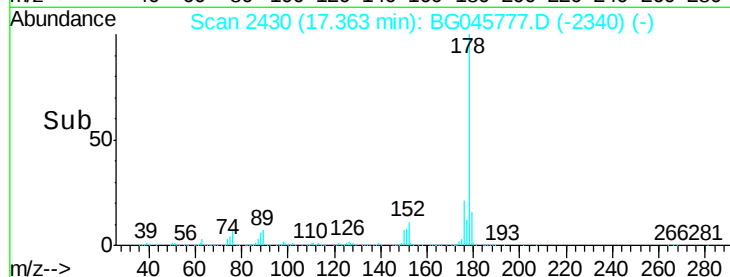
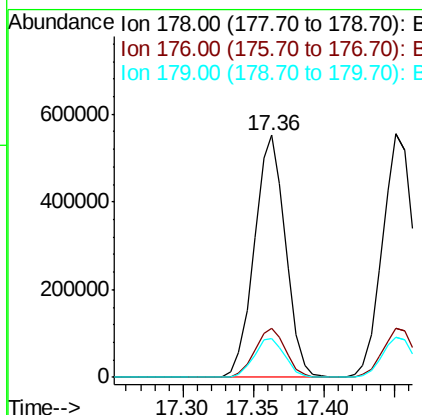
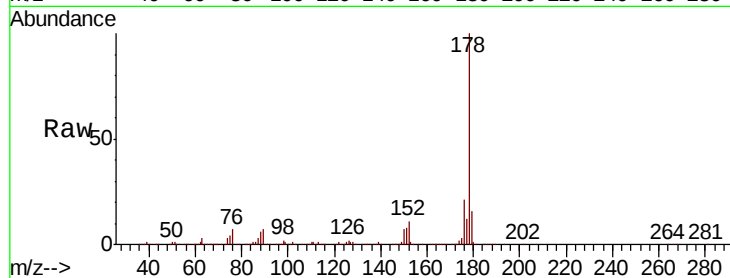
#71
Phenanthrene
Concen: 41.720 ng
RT: 17.36 min Scan# 2430
Delta R.T. 0.00 min
Lab File: BG045777.D
Acq: 16 Jun 2020 18:01

Instrument :
BNA_G
ClientSampleId :
HR-06-061120MS

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.5	15.5	23.3
179	16.3	13.2	19.8

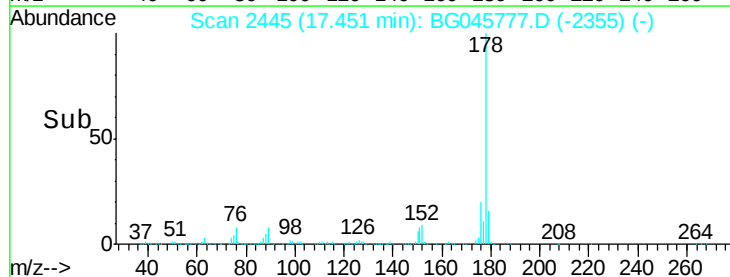
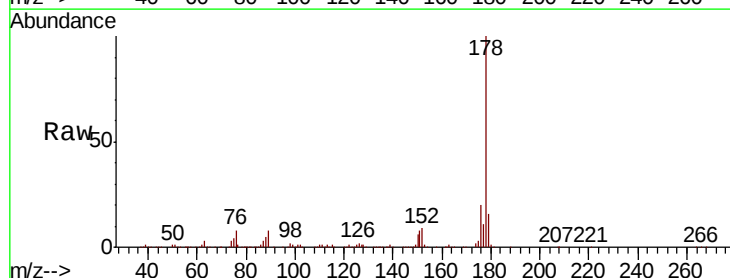
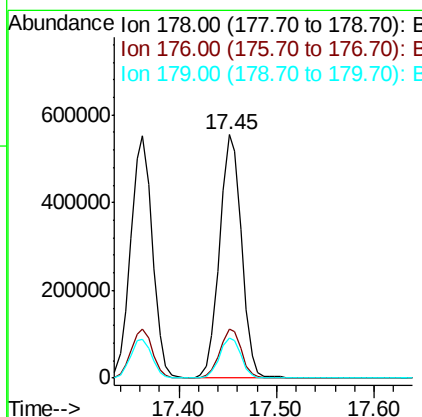
Manual Integrations
APPROVED

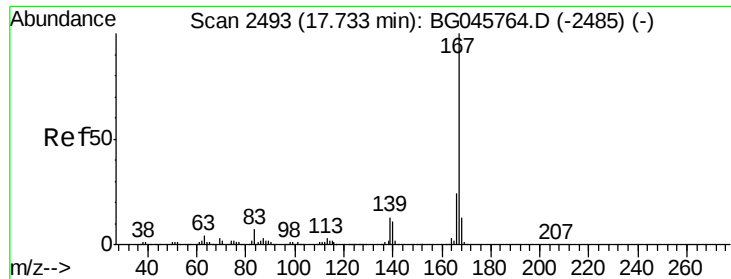
mohammad
6/18/2020 11:51:33 AM



#72
Anthracene
Concen: 42.253 ng
RT: 17.45 min Scan# 2445
Delta R.T. 0.00 min
Lab File: BG045777.D
Acq: 16 Jun 2020 18:01

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.1	15.6	23.4
179	16.4	13.1	19.7





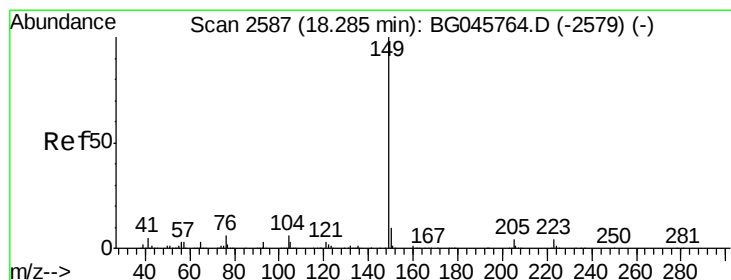
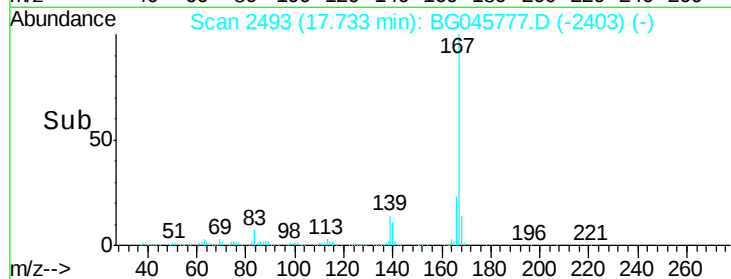
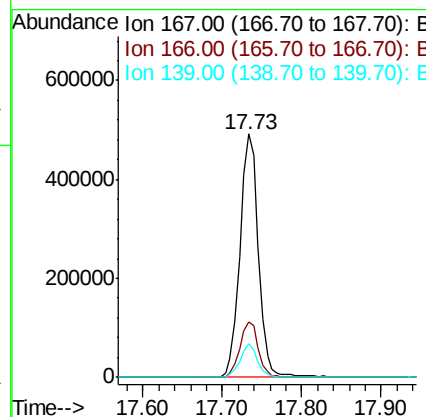
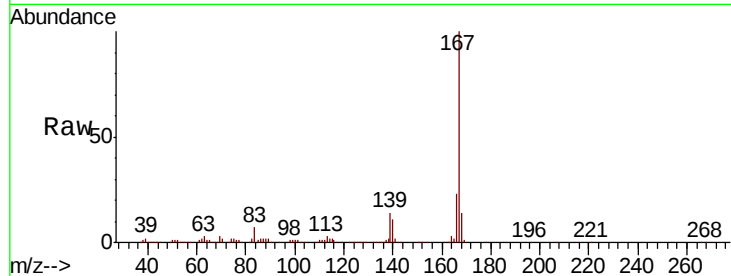
#73
 Carbazole
 Concen: 40.685 ng
 RT: 17.73 min Scan# 2493
 Delta R.T. 0.00 min
 Lab File: BG045777.D
 Acq: 16 Jun 2020 18:01

Instrument :
 BNA_G
 ClientSampleId :
 HR-06-061120MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
167	100		791490		
166	22.8	18.9	28.3		
139	13.8	10.6	15.8		

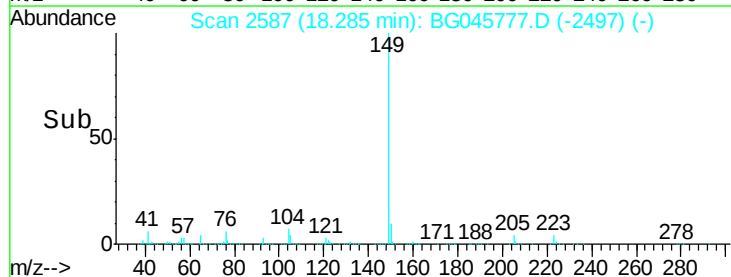
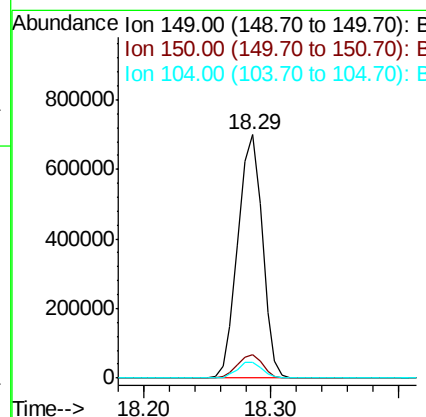
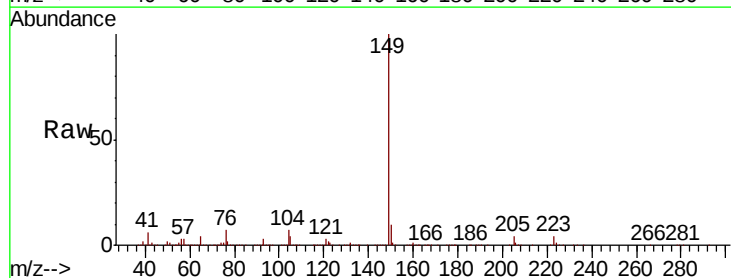
Manual Integrations
 APPROVED

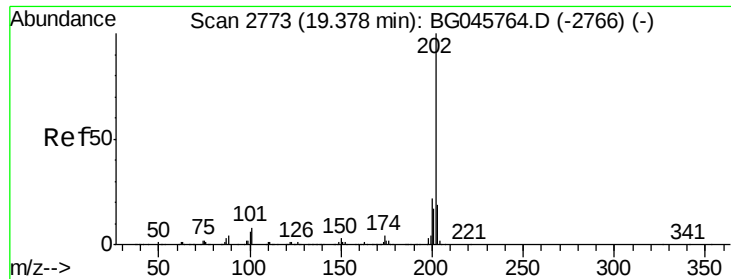
mohammad
 6/18/2020 11:51:33 AM



#74
 Di-n-butylphthalate
 Concen: 40.568 ng
 RT: 18.29 min Scan# 2587
 Delta R.T. 0.00 min
 Lab File: BG045777.D
 Acq: 16 Jun 2020 18:01

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
149	100		934483		
150	9.7	7.7	11.5		
104	6.6	5.1	7.7		





#75

Fluoranthene

Concen: 41.725 ng

RT: 19.37 min Scan# 2772

Delta R.T. -0.01 min

Lab File: BG045777.D

Acq: 16 Jun 2020 18:01

Instrument :

BNA_G

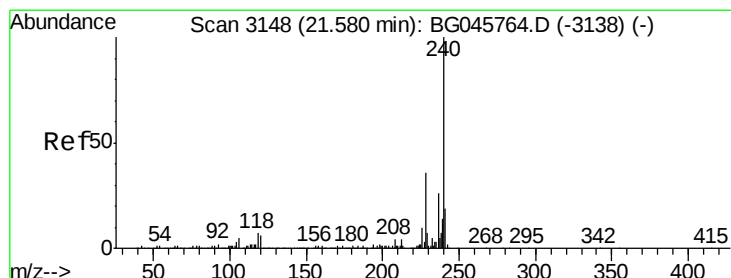
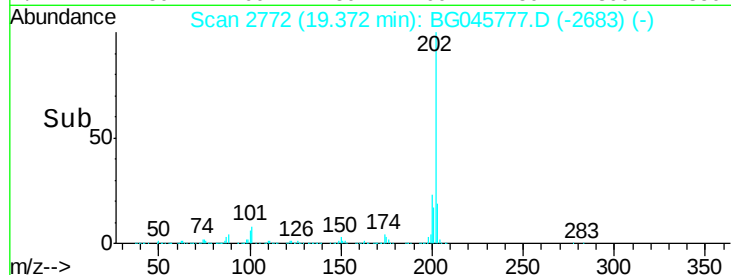
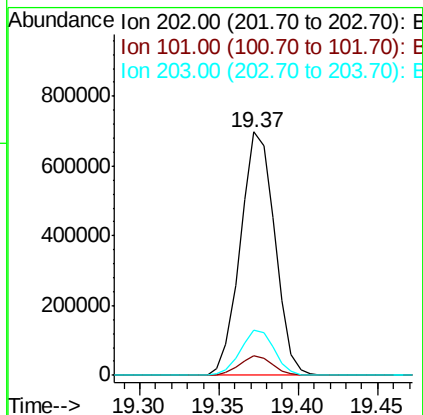
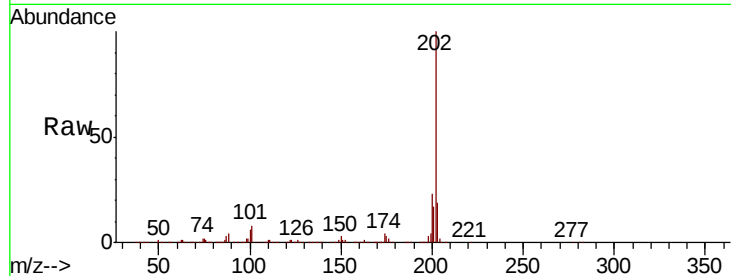
ClientSampleId :

HR-06-061120MS

Tot Ion:	202	Resp:	1052707
Ion Ratio	Lower	Upper	
202	100		
101	8.0	0.0	27.7
203	18.7	0.0	38.7

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#76

Chrysene-d12

Concen: 20.000 ng

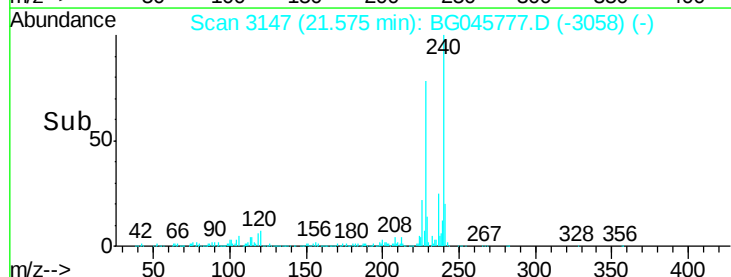
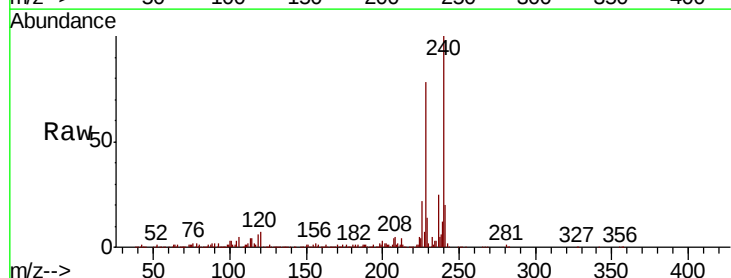
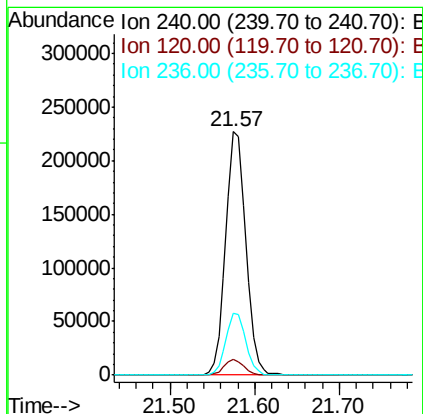
RT: 21.57 min Scan# 3147

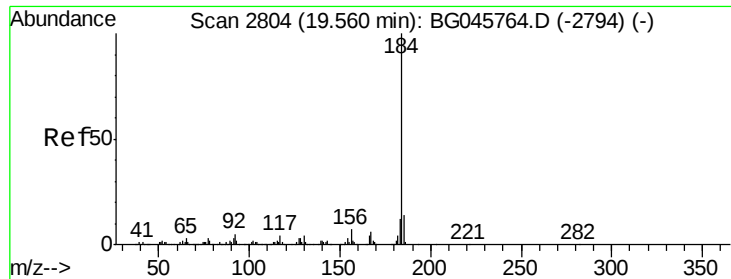
Delta R.T. -0.01 min

Lab File: BG045777.D

Acq: 16 Jun 2020 18:01

Tgt Ion:	240	Resp:	375407
Ion Ratio	Lower	Upper	
240	100		
120	6.7	5.0	7.4
236	25.4	20.6	30.8





#77

Benzidine

Concen: 24.001 ng

RT: 19.56 min Scan# 2804

Delta R.T. 0.00 min

Lab File: BG045777.D

Acq: 16 Jun 2020 18:01

Instrument :

BNA_G

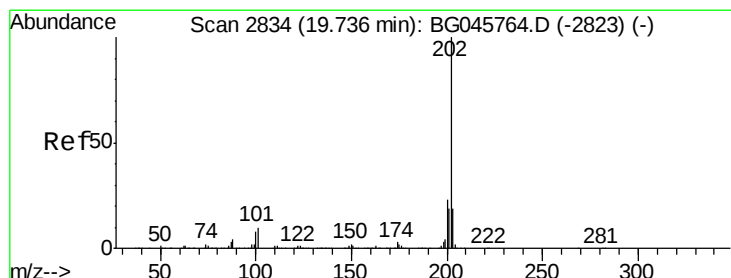
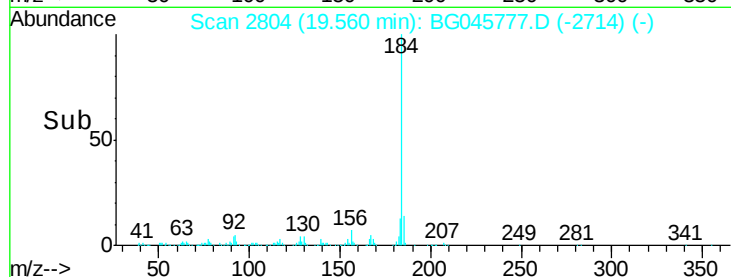
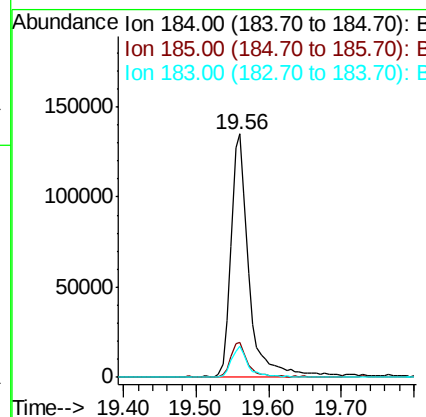
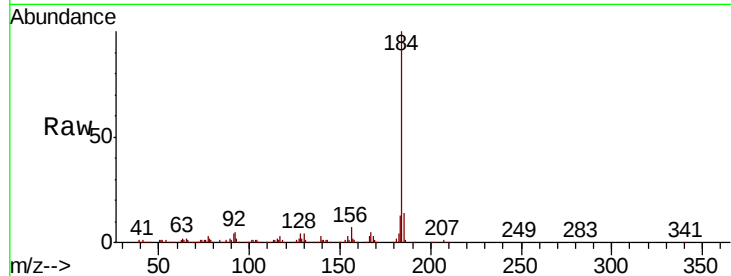
ClientSampleId :

HR-06-061120MS

Tot Ion:	184	Resp:	234236
Ion Ratio	Lower	Upper	
184	100		
185	14.4	11.1	16.7
183	12.8	9.7	14.5

Manual Integrations
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#78

Pyrene

Concen: 41.029 ng

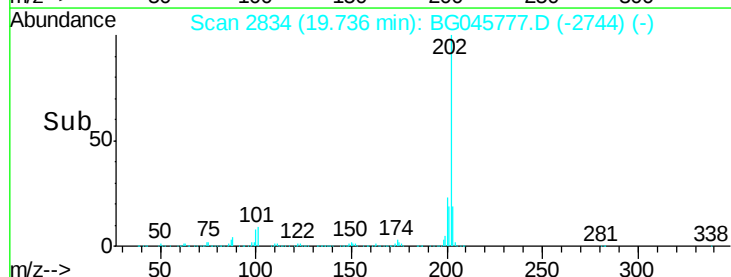
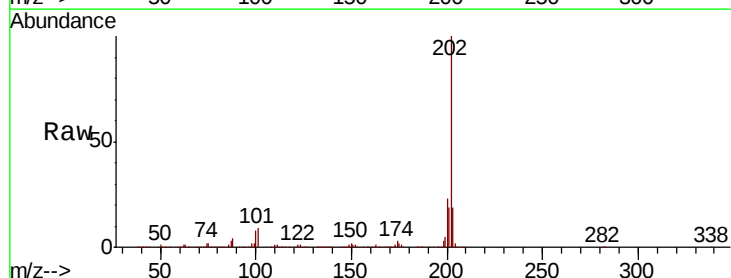
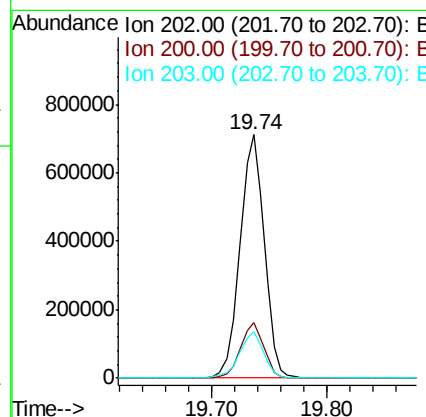
RT: 19.74 min Scan# 2834

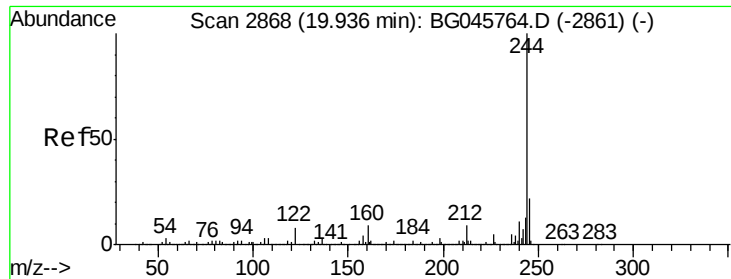
Delta R.T. 0.00 min

Lab File: BG045777.D

Acq: 16 Jun 2020 18:01

Tgt Ion:	202	Resp:	1031407
Ion Ratio	Lower	Upper	
202	100		
200	22.9	18.2	27.2
203	19.2	14.8	22.2





#79

Terphenyl-d14

Concen: 82.742 ng

RT: 19.94 min Scan# 2868

Delta R.T. 0.00 min

Lab File: BG045777.D

Acq: 16 Jun 2020 18:01

Instrument :

BNA_G

ClientSampleId :

HR-06-061120MS

Tot Ion:244 Resp: 1532707

Ion Ratio Lower Upper

244 100

212 9.3 7.2 10.8

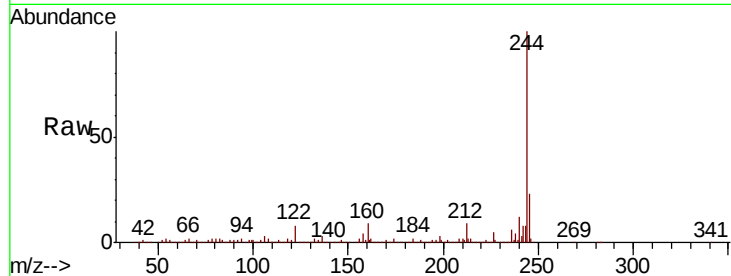
122 8.1 6.4 9.6

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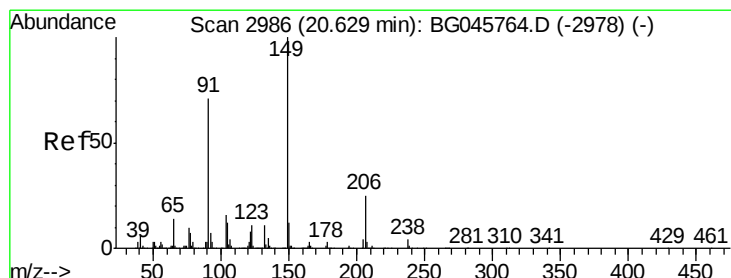
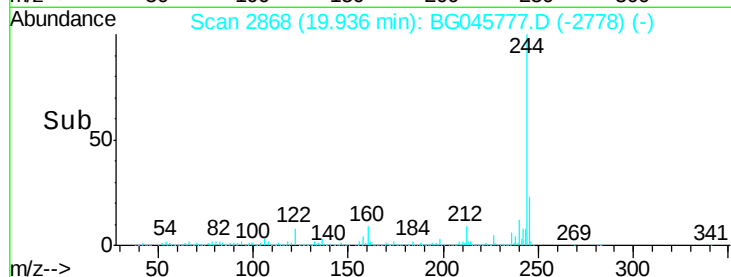
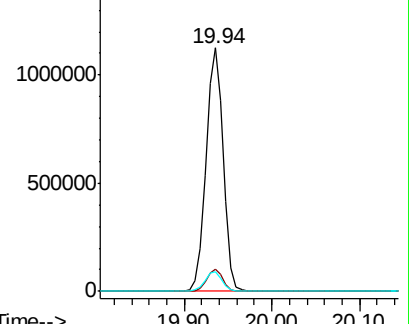
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 40.559 ng

RT: 20.62 min Scan# 2985

Delta R.T. -0.01 min

Lab File: BG045777.D

Acq: 16 Jun 2020 18:01

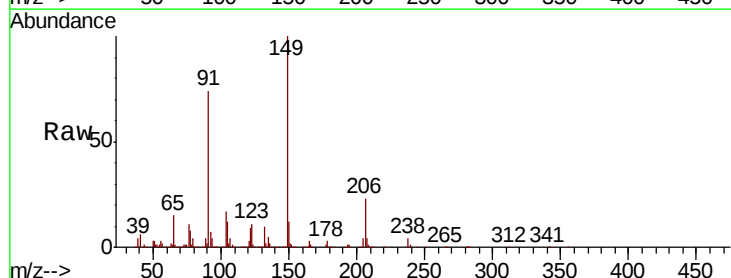
Tgt Ion:149 Resp: 426772

Ion Ratio Lower Upper

149 100

91 74.3 56.4 84.6

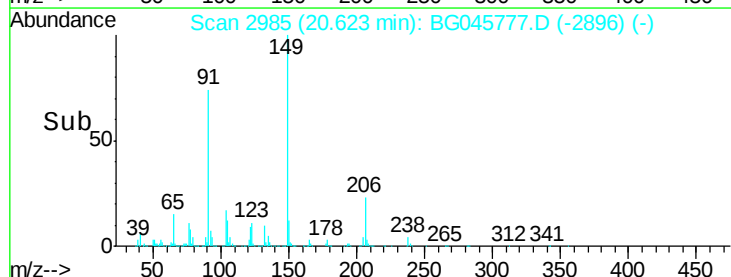
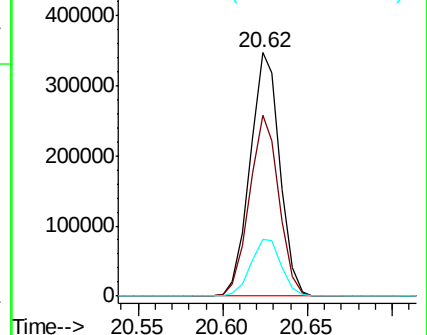
206 23.2 19.8 29.6

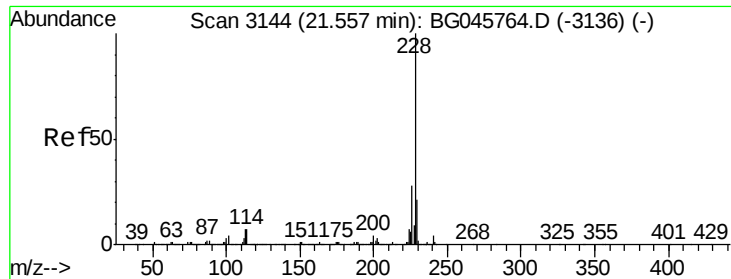


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 41.115 ng

RT: 21.56 min Scan# 3144

Delta R.T. 0.00 min

Lab File: BG045777.D

Acq: 16 Jun 2020 18:01

Instrument :

BNA_G

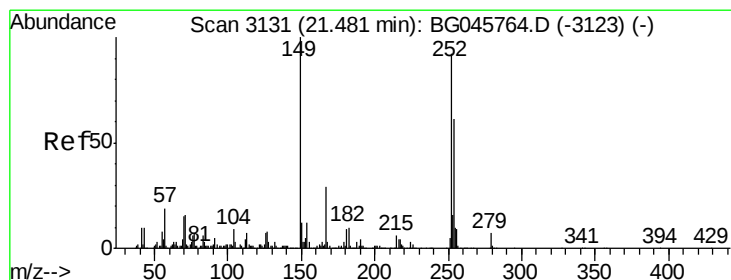
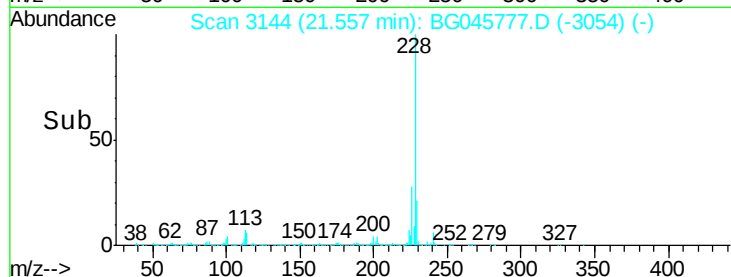
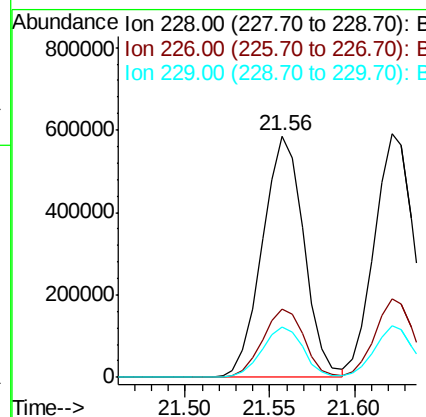
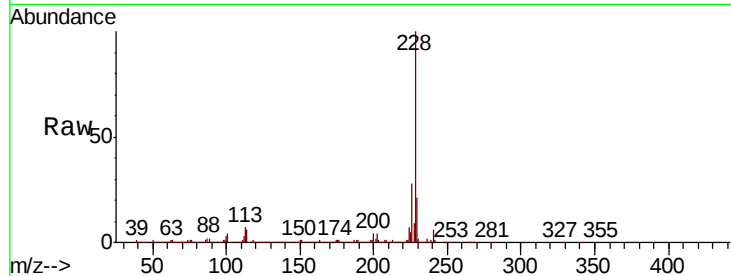
ClientSampleId :

HR-06-061120MS

Tot Ion:	228	Resp:	1000692
Ion	Ratio	Lower	Upper
228	100		
226	28.1	22.7	34.1
229	20.6	16.6	24.8

Manual Integrations
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#82

3,3'-Dichlorobenzidine

Concen: 15.939 ng

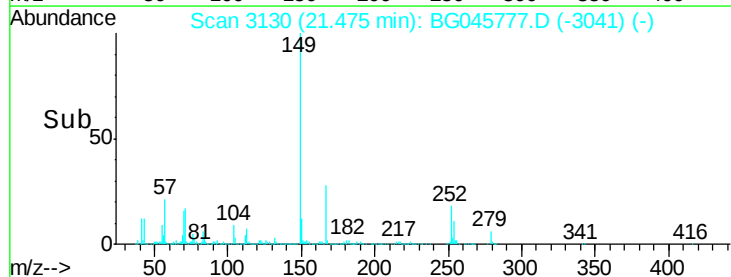
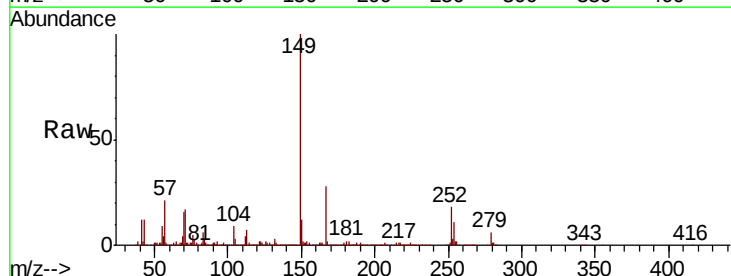
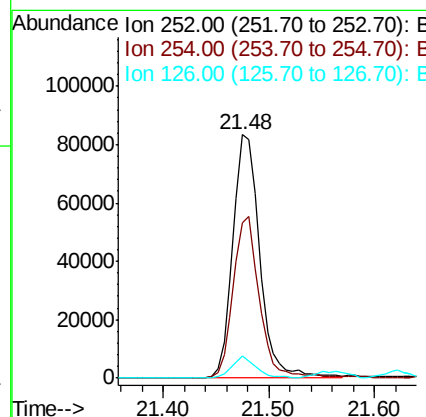
RT: 21.48 min Scan# 3130

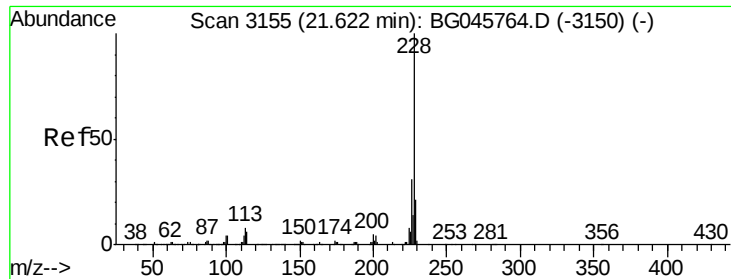
Delta R.T. -0.01 min

Lab File: BG045777.D

Acq: 16 Jun 2020 18:01

Tgt Ion:	252	Resp:	146737
Ion	Ratio	Lower	Upper
252	100		
254	63.6	53.4	80.0
126	8.9	5.8	8.8#





#83

Chrvsene

Concen: 40.715 ng

RT: 21.62 min Scan# 3155

Delta R.T. 0.00 min

Lab File: BG045777.D

Acq: 16 Jun 2020 18:01

Instrument :

BNA_G

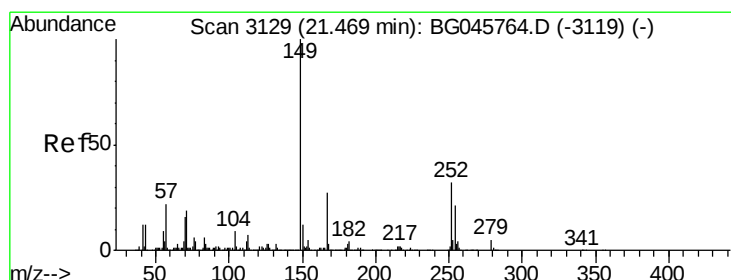
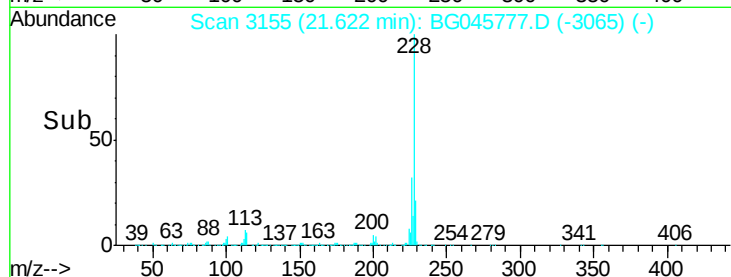
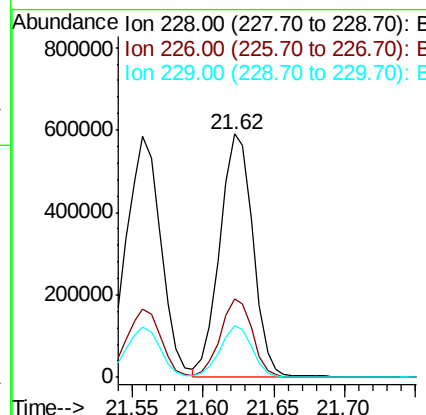
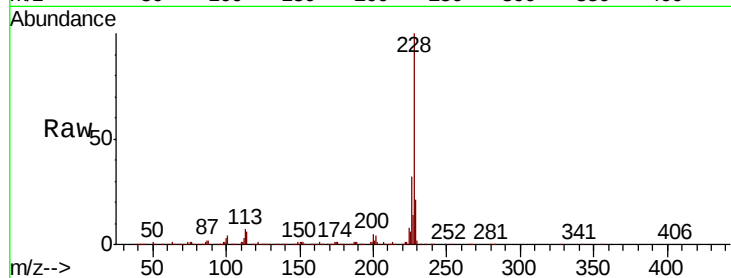
ClientSampleId :

HR-06-061120MS

Tot Ion:	228	Resp:	958483
Ion Ratio	Lower	Upper	
228	100		
226	32.3	25.1	37.7
229	21.2	16.4	24.6

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#84

Bis(2-ethylhexyl)phthalate

Concen: 46.554 ng

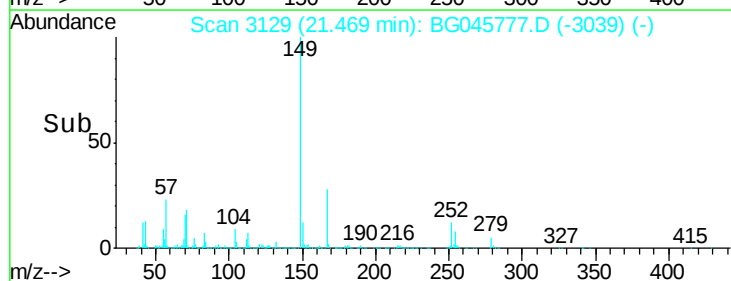
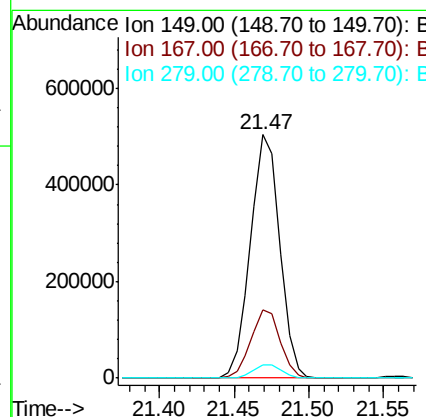
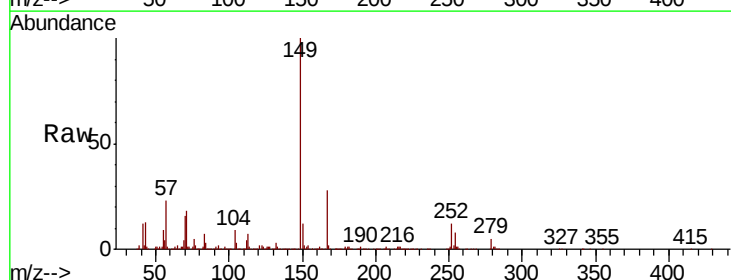
RT: 21.47 min Scan# 3129

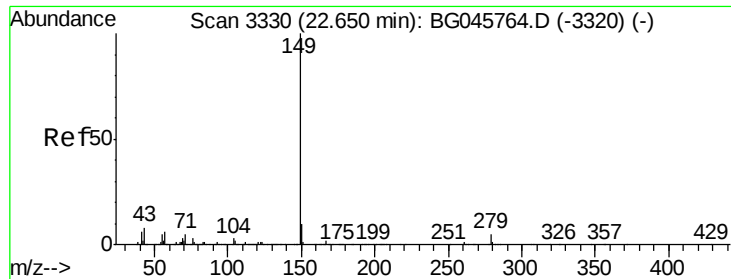
Delta R.T. 0.00 min

Lab File: BG045777.D

Acq: 16 Jun 2020 18:01

Tgt Ion:	149	Resp:	681374
Ion Ratio	Lower	Upper	
149	100		
167	28.2	21.3	31.9
279	5.5	3.7	5.5





#85

Di-n-octyl phthalate

Concen: 40.234 ng

RT: 22.65 min Scan# 3330

Delta R.T. 0.00 min

Lab File: BG045777.D

Acq: 16 Jun 2020 18:01

Instrument :

BNA_G

ClientSampleId :

HR-06-061120MS

Tot Ion:149 Resp: 1015768

Ion Ratio Lower Upper

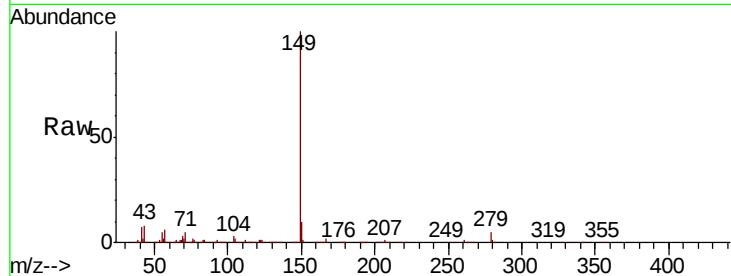
149 100

167 1.7 1.4 2.0

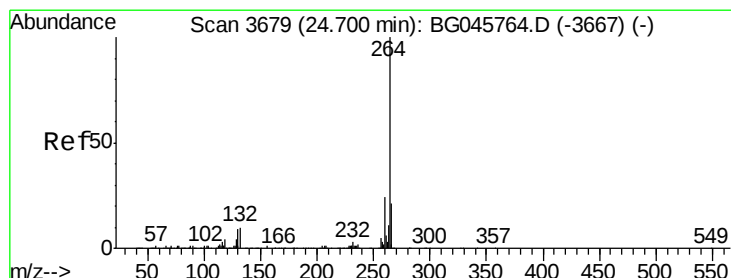
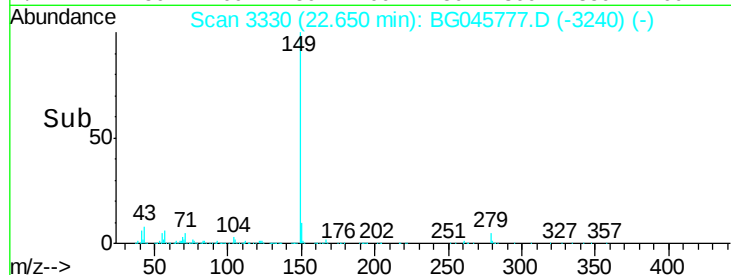
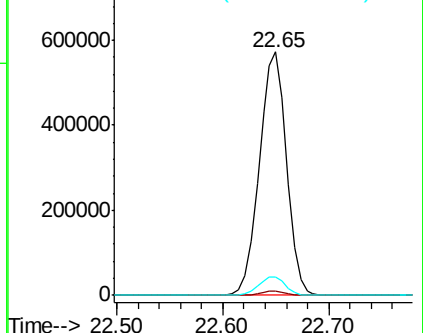
43 7.5 5.9 8.9

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



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.70 min Scan# 3679

Delta R.T. 0.00 min

Lab File: BG045777.D

Acq: 16 Jun 2020 18:01

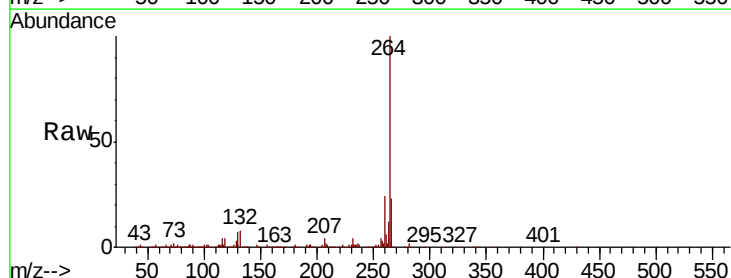
Tgt Ion:264 Resp: 412887

Ion Ratio Lower Upper

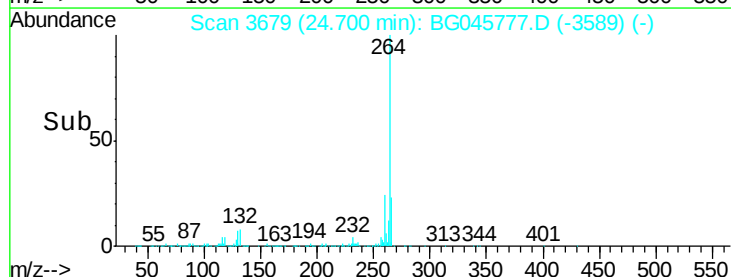
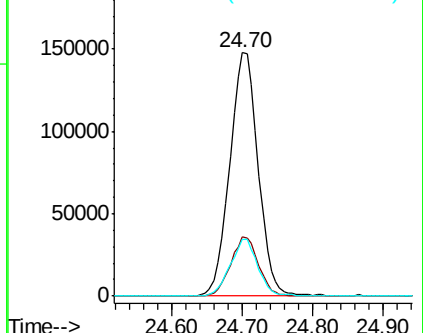
264 100

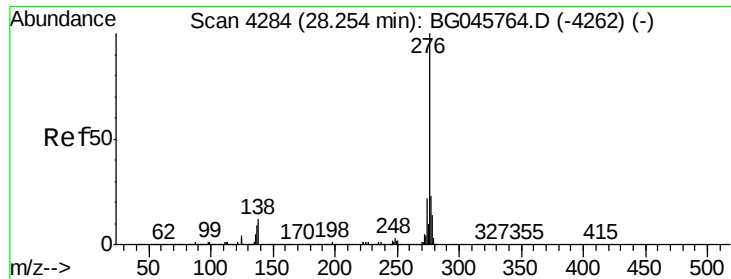
260 24.2 19.0 28.4

265 23.3 17.4 26.0



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





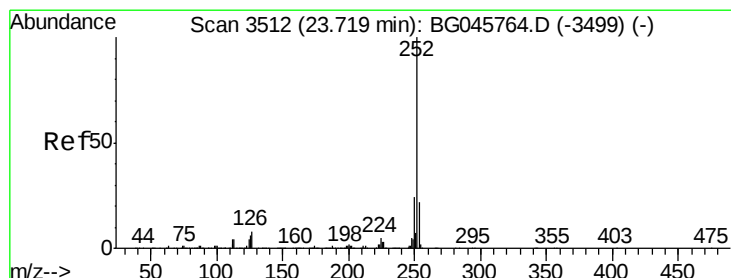
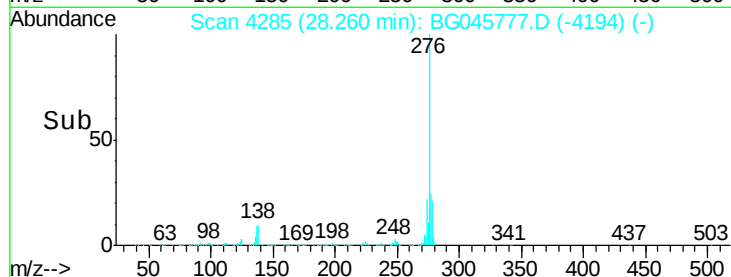
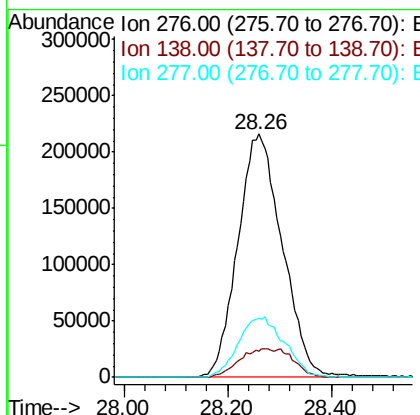
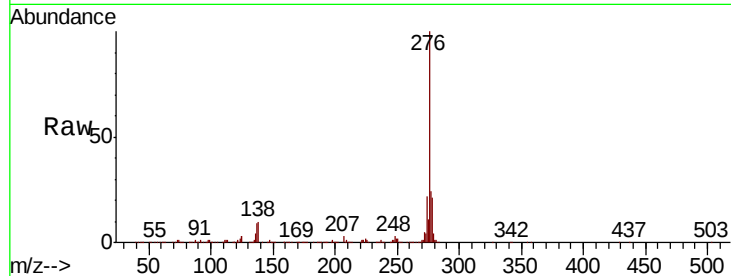
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 42.851 ng
 RT: 28.26 min Scan# 4285
 Delta R.T. 0.01 min
 Lab File: BG045777.D
 Acq: 16 Jun 2020 18:01

Instrument :
 BNA_G
 ClientSampleId :
 HR-06-061120MS

Tot Ion:276 Resp: 1282648
 Ion Ratio Lower Upper
 276 100
 138 9.0 5.4 8.0#
 277 25.8 20.6 30.8

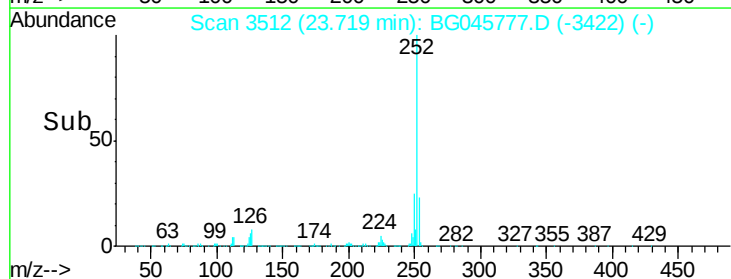
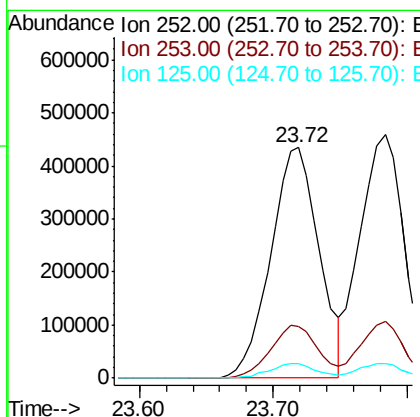
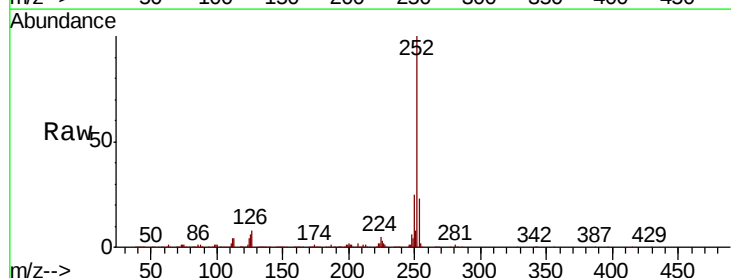
Manual Integrations
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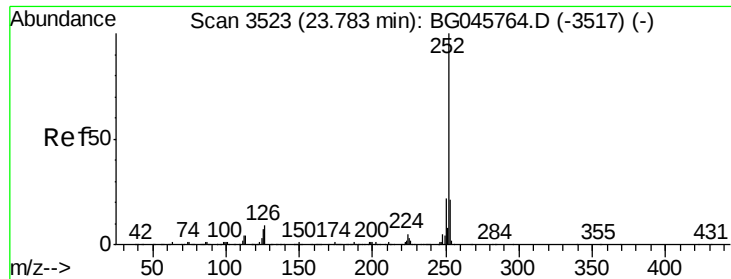
mohammad
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#88
 Benzo(b)fluoranthene
 Concen: 42.240 ng
 RT: 23.72 min Scan# 3512
 Delta R.T. 0.00 min
 Lab File: BG045777.D
 Acq: 16 Jun 2020 18:01

Tgt Ion:252 Resp: 1093494
 Ion Ratio Lower Upper
 252 100
 253 22.7 17.4 26.0
 125 6.1 5.0 7.4





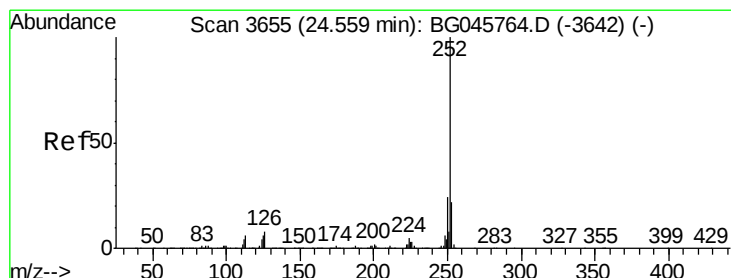
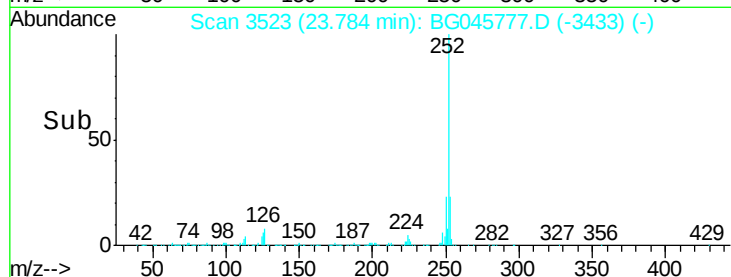
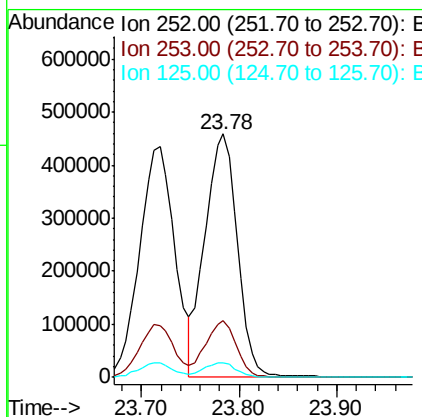
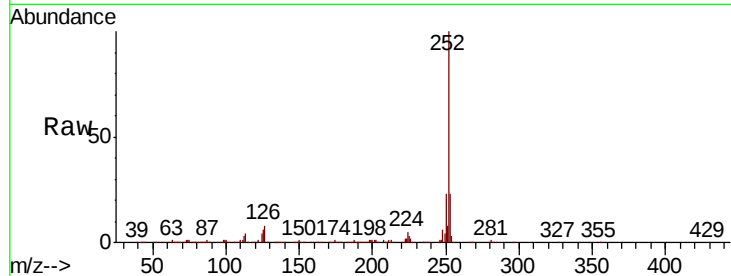
#89
Benzo(k)fluoranthene
Concen: 42.297 ng
RT: 23.78 min Scan# 3523
Delta R.T. 0.00 min
Lab File: BG045777.D
Acq: 16 Jun 2020 18:01

Instrument :
BNA_G
ClientSampleId :
HR-06-061120MS

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.2	25.8
125	6.1	5.2	7.8

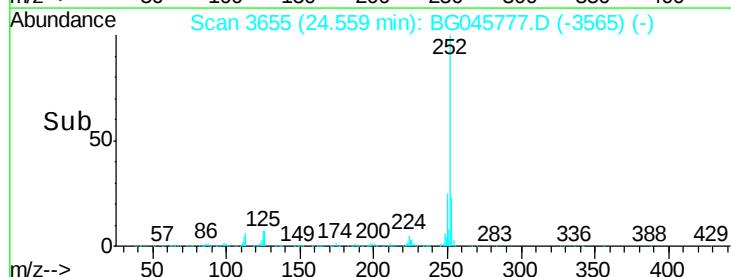
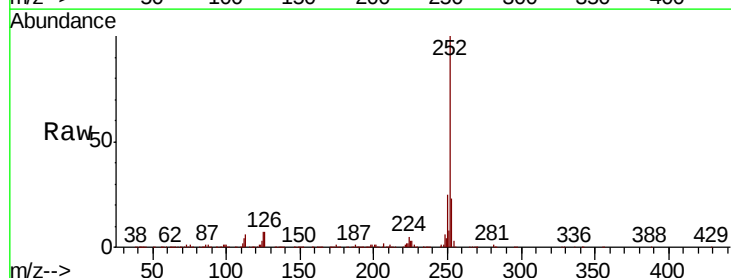
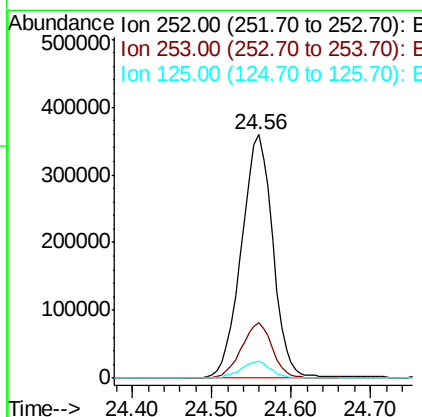
Manual Integrations
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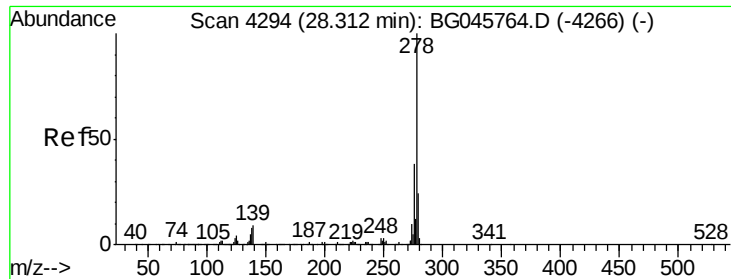
mohammad
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#90
Benzo(a)pyrene
Concen: 41.021 ng
RT: 24.56 min Scan# 3655
Delta R.T. 0.00 min
Lab File: BG045777.D
Acq: 16 Jun 2020 18:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.0	27.0
125	6.9	5.0	7.6





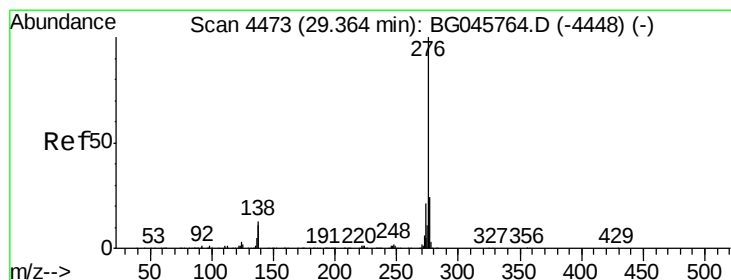
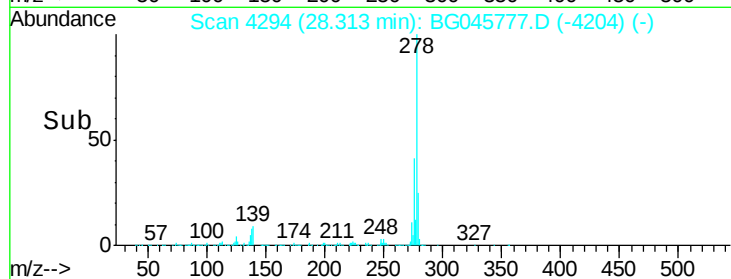
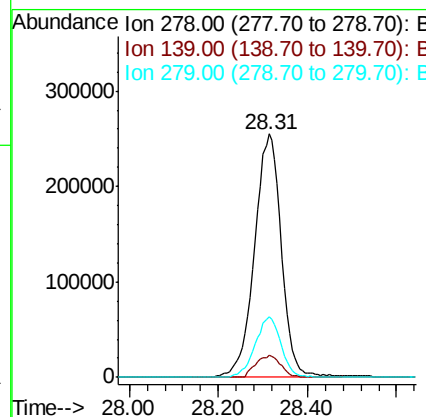
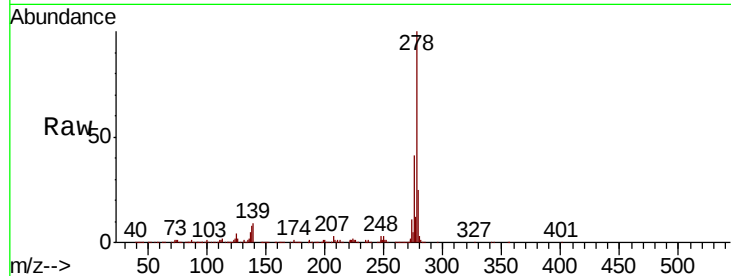
#91
Dibenzo(a,h)anthracene
Concen: 43.699 ng
RT: 28.31 min Scan# 4294
Delta R.T. 0.00 min
Lab File: BG045777.D
Acq: 16 Jun 2020 18:01

Instrument :
BNA_G
ClientSampleId :
HR-06-061120MS

Tot Ion	Ratio	Lower	Upper
278	100		
139	9.2	7.3	10.9
279	24.8	19.5	29.3

Manual Integrations
APPROVED

mohammad
6/18/2020 11:51:33 AM



#92
Benzo(g,h,i)perylene
Concen: 43.706 ng
RT: 29.36 min Scan# 4473
Delta R.T. 0.00 min
Lab File: BG045777.D
Acq: 16 Jun 2020 18:01

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.2	19.2	28.8
138	11.5	10.6	15.8

