

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG102919\
 Data File : BG043384.D
 Acq On : 29 Oct 2019 21:32
 Operator : JU
 Sample : K5541-11MSD
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 17-20-(0-2.5)MSD

Manual Integrations
 APPROVED

mohammad
 10/30/2019 4:54:35 PM

Quant Time: Oct 30 08:32:43 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG102119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 21 16:37:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	44458	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	162494	20.00	ng	0.00
39) Acenaphthene-d10	14.65	164	117657	20.00	ng	0.00
64) Phenanthrene-d10	17.39	188	269617	20.00	ng	0.00
76) Chrysene-d12	21.67	240	292176	20.00	ng	0.00
87) Perylene-d12	24.86	264	349357	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.61	112	276227	113.85	ng	0.00
7) Phenol-d6	7.22	99	399992	114.59	ng	0.02
23) Nitrobenzene-d5	9.19	82	241328	76.57	ng	0.00
42) 2,4,6-Tribromophenol	16.14	330	242165	108.16	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	547888	64.35	ng	0.00
79) Terphenyl-d14	20.00	244	982485	63.09	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.49	88	34222	36.196	ng	# 94
3) Pyridine	3.89	79	88438	37.082	ng	98
4) n-Nitrosodimethylamine	3.80	42	52570	43.682	ng	# 92
6) Aniline	7.35	93	134546	33.460	ng	98
8) 2-Chlorophenol	7.60	128	126598	47.270	ng	99
9) Benzaldehyde	7.17	77	67884	39.572	ng	96
10) Phenol	7.24	94	162713	51.011	ng	98
11) bis(2-Chloroethyl)ether	7.44	93	107624	43.641	ng	96
12) 1,3-Dichlorobenzene	7.91	146	142326	42.415	ng	97
13) 1,4-Dichlorobenzene	8.06	146	141329	41.629	ng	99
14) 1,2-Dichlorobenzene	8.38	146	136274	41.110	ng	98
15) Benzyl Alcohol	8.27	79	109534	44.680	ng	97
16) 2,2'-oxybis(1-Chloropropan	8.55	45	141963	39.589	ng	96
17) 2-Methylphenol	8.49	107	108535	46.675	ng	99
18) Hexachloroethane	9.11	117	49555	40.457	ng	96
19) n-Nitroso-di-n-propylamine	8.83	70	93523	41.463	ng	98
20) 3+4-Methylphenols	8.82	107	142345	44.642	ng	92
22) Acetophenone	8.85	105	179640	43.169	ng	97
24) Nitrobenzene	9.23	77	140003	46.628	ng	97
25) Isophorone	9.75	82	262896	45.622	ng	99
26) 2-Nitrophenol	9.94	139	74620	51.477	ng	91
27) 2,4-Dimethylphenol	10.01	122	116334	55.994	ng	96
28) bis(2-Chloroethoxy)methane	10.23	93	144016	45.282	ng	98
29) 2,4-Dichlorophenol	10.49	162	137554	51.673	ng	96
30) 1,2,4-Trichlorobenzene	10.69	180	152398	45.423	ng	99
31) Naphthalene	10.88	128	402382	48.785	ng	99
32) Benzoic acid	10.18	122	64911	42.253	ng	89
33) 4-Chloroaniline	11.00	127	69510	20.559	ng	97
34) Hexachlorobutadiene	11.17	225	106777	43.052	ng	96
35) Caprolactam	11.77	113	42358m	46.202	ng	
36) 4-Chloro-3-methylphenol	12.13	107	141964	48.891	ng	100
37) 2-Methylnaphthalene	12.48	142	303544	47.964	ng	98
38) 1-Methylnaphthalene	12.70	142	285948	47.488	ng	92
40) 1,2,4,5-Tetrachlorobenzene	12.85	216	198021	45.477	ng	98

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG102919\
 Data File : BG043384.D
 Acq On : 29 Oct 2019 21:32
 Operator : JU
 Sample : K5541-11MSD
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 17-20-(0-2.5)MSD

Manual Integrations
 APPROVED

mohammad
 10/30/2019 4:54:35 PM

Quant Time: Oct 30 08:32:43 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG102119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 21 16:37:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.83	237	191905	83.899	nq	99
43) 2,4,6-Trichlorophenol	13.09	196	125040	48.762	nq	98
44) 2,4,5-Trichlorophenol	13.18	196	133923	51.659	nq	96
46) 1,1'-Biphenyl	13.49	154	404419	45.183	nq	98
47) 2-Chloronaphthalene	13.53	162	312982	45.957	nq	99
48) 2-Nitroaniline	13.74	65	93237	45.806	nq	92
49) Acenaphthylene	14.37	152	507967	47.925	nq	98
50) Dimethylphthalate	14.11	163	486753	53.411	nq	99
51) 2,6-Dinitrotoluene	14.23	165	94555	47.759	nq	95
52) Acenaphthene	14.72	154	312147	48.292	nq	99
53) 3-Nitroaniline	14.56	138	58409	30.556	nq	99
54) 2,4-Dinitrophenol	14.77	184	63068	53.651	nq	93
55) Dibenzofuran	15.05	168	501330	47.827	nq	100
56) 4-Nitrophenol	14.90	139	138030	107.755	nq	97
57) 2,4-Dinitrotoluene	15.01	165	131549	46.493	nq	95
58) Fluorene	15.70	166	424645	48.302	nq	99
59) 2,3,4,6-Tetrachlorophenol	15.28	232	138297	50.210	nq	# 97
60) Diethylphthalate	15.47	149	406702	44.415	nq	98
61) 4-Chlorophenyl-phenylether	15.69	204	233518	45.531	nq	99
62) 4-Nitroaniline	15.73	138	81715	41.393	nq	98
63) Azobenzene	15.98	77	343634	46.369	nq	99
65) 4,6-Dinitro-2-methylphenol	15.78	198	57682	36.353	nq	97
66) n-Nitrosodiphenylamine	15.90	169	363842	47.799	nq	99
67) 4-Bromophenyl-phenylether	16.58	248	169387	46.683	nq	99
68) Hexachlorobenzene	16.71	284	188139	45.172	nq	98
69) Atrazine	16.85	200	157261	59.456	nq	95
70) Pentachlorophenol	17.05	266	201483	106.165	nq	93
71) Phenanthrene	17.44	178	812428	58.844	nq	99
72) Anthracene	17.53	178	705574	51.078	nq	99
73) Carbazole	17.80	167	616941	49.319	nq	99
74) Di-n-butylphthalate	18.35	149	701851	46.241	nq	100
75) Fluoranthene	19.45	202	1085916	60.331	nq	99
77) Benzdine	19.63	184	353554	60.127	nq	98
78) Pyrene	19.81	202	1050998	58.113	nq	98
80) Butylbenzylphthalate	20.69	149	321410	46.909	nq	98
81) Benzo(a)anthracene	21.64	228	987442	53.954	nq	99
82) 3,3'-Dichlorobenzidine	21.56	252	289417	40.885	nq	97
83) Chrysene	21.71	228	938876	51.632	nq	97
84) Bis(2-ethylhexyl)phthalate	21.54	149	475139	48.817	nq	99
85) Di-n-octyl phthalate	22.75	149	818492	49.567	nq	100
86) Indeno(1,2,3-cd)pyrene	28.50	276	1202375	52.676	nq	# 96
88) Benzo(b)fluoranthene	23.85	252	1046633	52.896	nq	97
89) Benzo(k)fluoranthene	23.92	252	1004821	50.445	nq	98
90) Benzo(a)pyrene	24.72	252	974530	51.577	nq	97
91) Dibenzo(a,h)anthracene	28.56	278	968188	50.097	nq	100
92) Benzo(g,h,i)perylene	29.64	276	1022653	53.644	nq	97

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

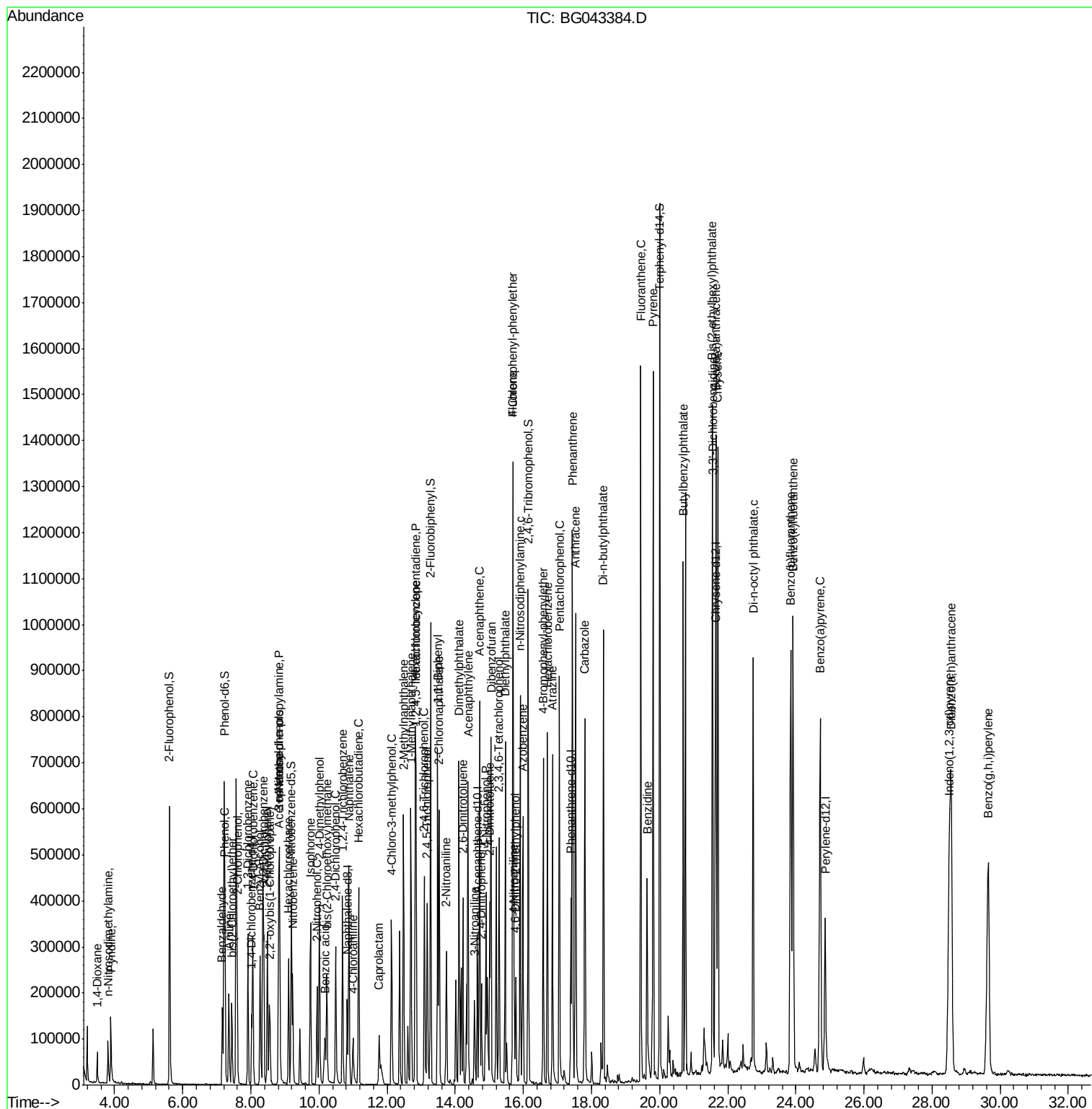
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG102919\
 Data File : BG043384.D
 Acq On : 29 Oct 2019 21:32
 Operator : JU
 Sample : K5541-11MSD
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

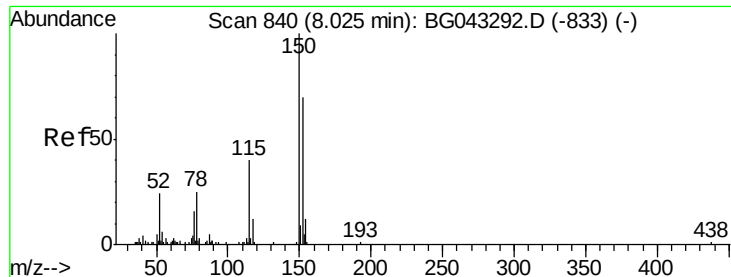
Instrument :
 BNA_G
 ClientSampleId :
 17-20-(0-2.5)MSD

Manual Integrations
 APPROVED

mohammad
 10/30/2019 4:54:35 PM

Quant Time: Oct 30 08:32:43 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG102119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 21 16:37:43 2019
 Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.02 min Scan# 840

Delta R.T. -0.00 min

Lab File: BG043384.D

Acq: 29 Oct 2019 21:32

Instrument :

BNA_G

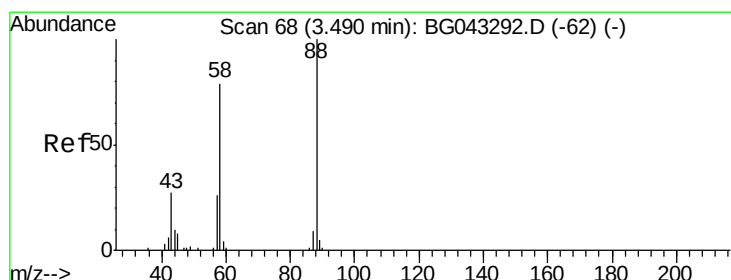
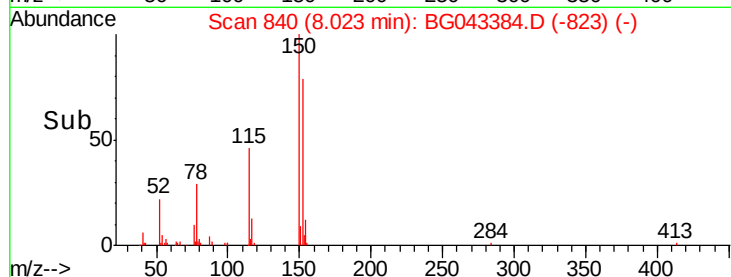
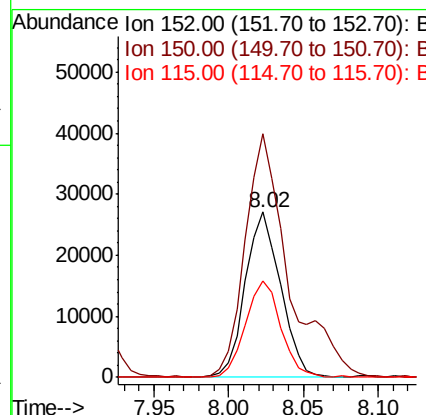
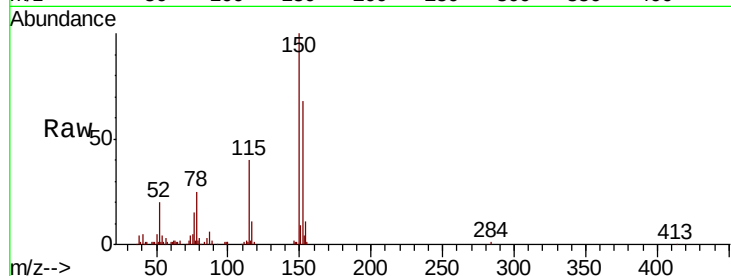
ClientSampleId :

17-20-(0-2.5)MSD

Tot Ion:	152	Resp:	44458
Ion	Ratio	Lower	Upper
152	100		
150	147.6	113.6	170.4
115	58.6	45.9	68.9

Manual Integrations
APPROVED

mohammad
10/30/2019 4:54:35 PM



#2

1,4-Dioxane

Concen: 36.196 ng

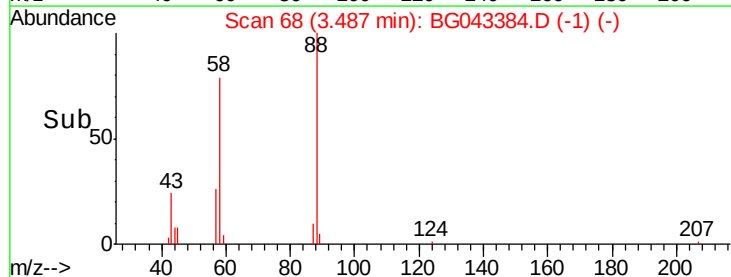
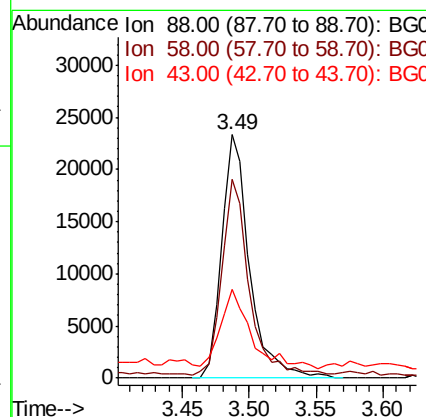
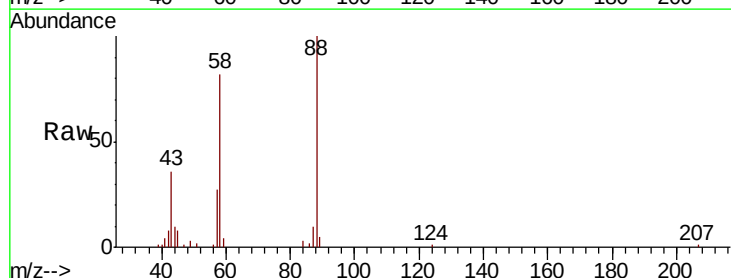
RT: 3.49 min Scan# 68

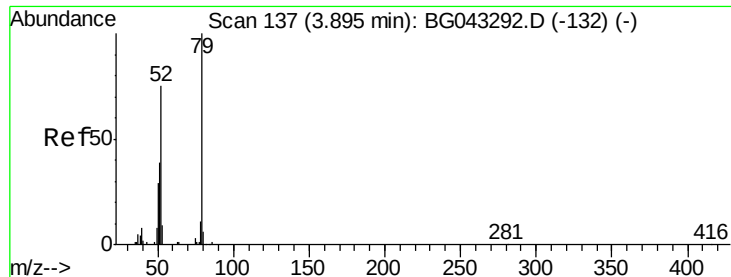
Delta R.T. -0.00 min

Lab File: BG043384.D

Acq: 29 Oct 2019 21:32

Tgt Ion:	88	Resp:	34222
Ion	Ratio	Lower	Upper
88	100		
58	78.4	60.2	90.2
43	34.9	22.7	34.1#





#3

Pvridine

Concen: 37.082 ng

RT: 3.89 min Scan# 136

Delta R.T. -0.01 min

Lab File: BG043384.D

Acq: 29 Oct 2019 21:32

Instrument :

BNA_G

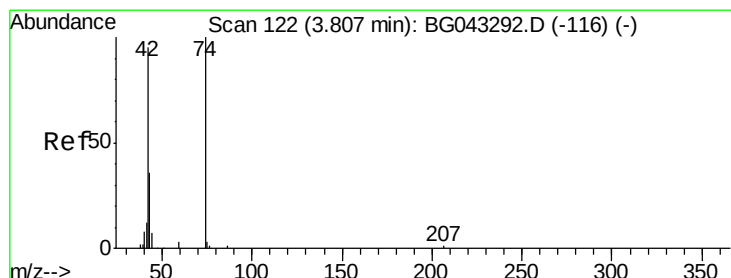
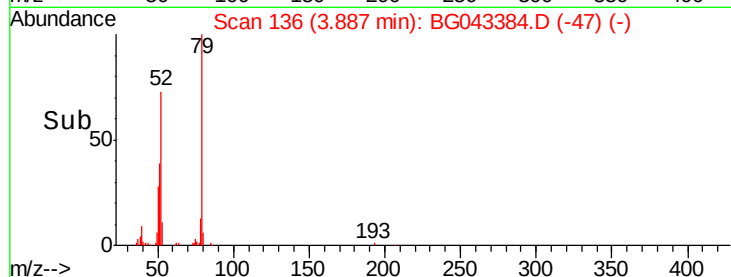
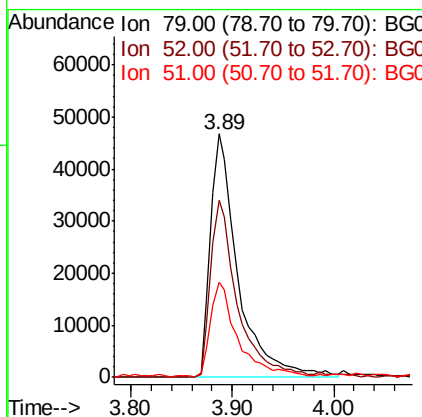
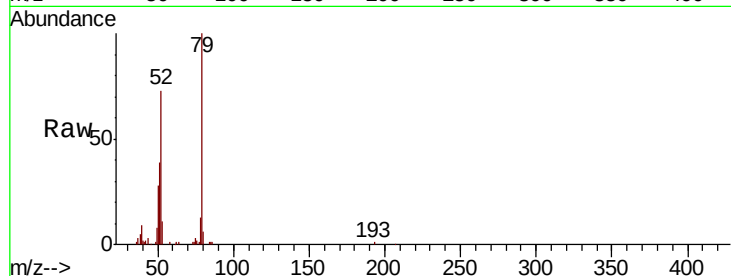
ClientSampleId :

17-20-(0-2.5)MSD

Tot Ion:	79	Resp:	88438
Ion Ratio	Lower	Upper	
79	100		
52	72.7	59.7	89.5
51	39.3	31.8	47.6

Manual Integrations
APPROVED

mohammad
10/30/2019 4:54:35 PM



#4

n-Nitrosodimethylamine

Concen: 43.682 ng

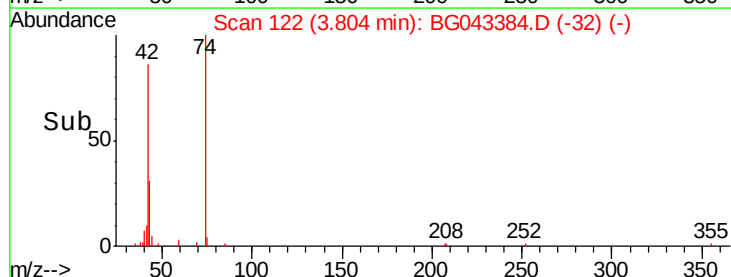
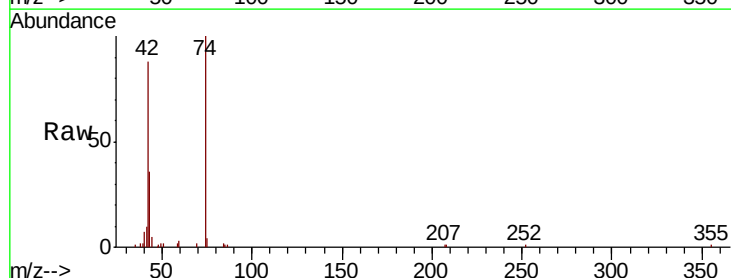
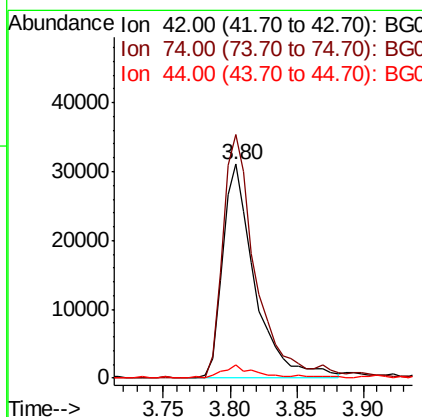
RT: 3.80 min Scan# 122

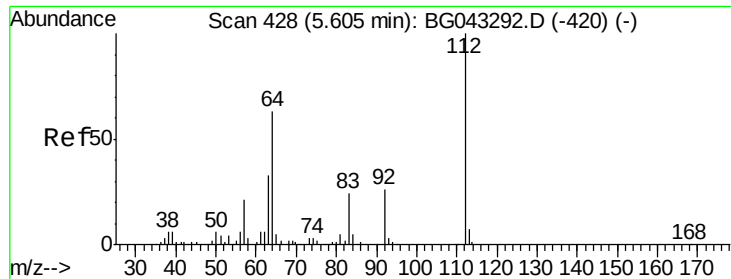
Delta R.T. -0.00 min

Lab File: BG043384.D

Acq: 29 Oct 2019 21:32

Tgt Ion:	42	Resp:	52570
Ion Ratio	Lower	Upper	
42	100		
74	114.0	84.2	126.2
44	6.0	6.0	9.0





#5

2-Fluorophenol

Concen: 113.854 ng

RT: 5.61 min Scan# 430

Delta R.T. 0.01 min

Lab File: BG043384.D

Acq: 29 Oct 2019 21:32

Instrument :

BNA_G

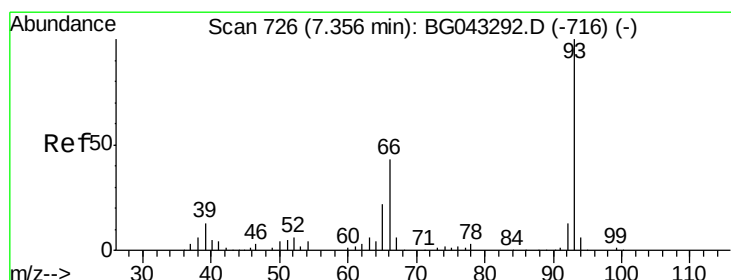
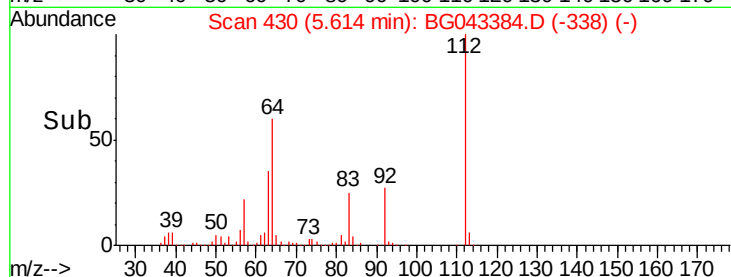
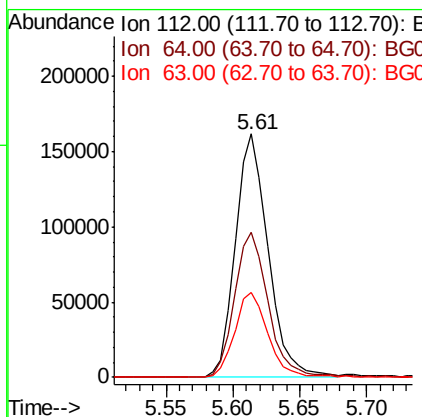
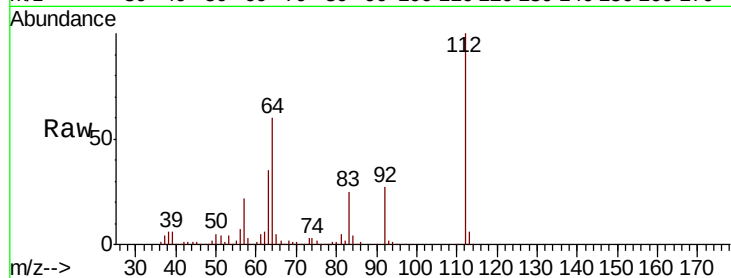
ClientSampleId :

17-20-(0-2.5)MSD

Tot Ion:	112	Resp:	276227
Ion Ratio	Lower	Upper	
112	100		
64	59.7	50.2	75.2
63	35.1	26.7	40.1

Manual Integrations
APPROVED

mohammad
10/30/2019 4:54:35 PM



#6

Aniline

Concen: 33.460 ng

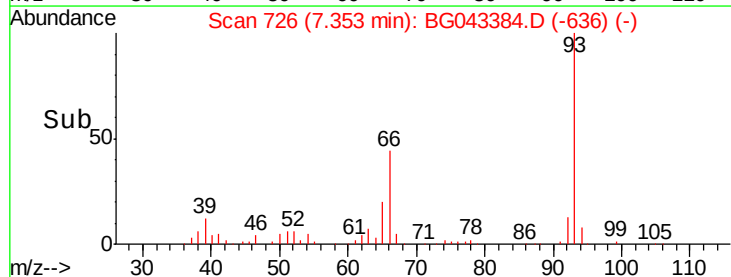
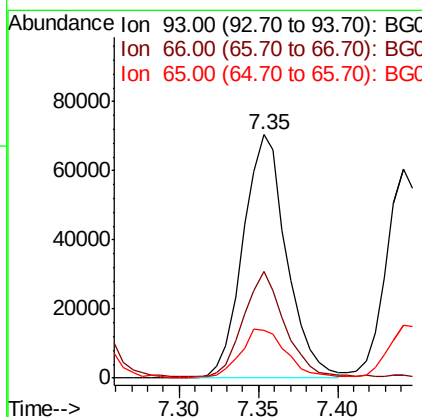
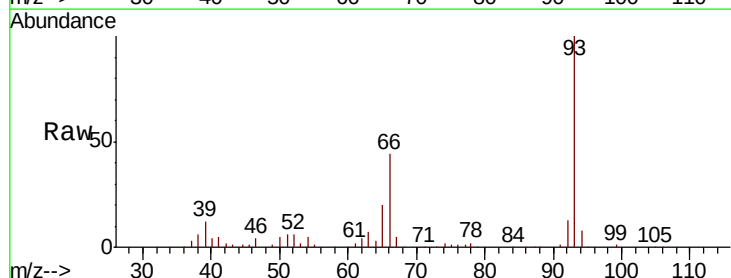
RT: 7.35 min Scan# 726

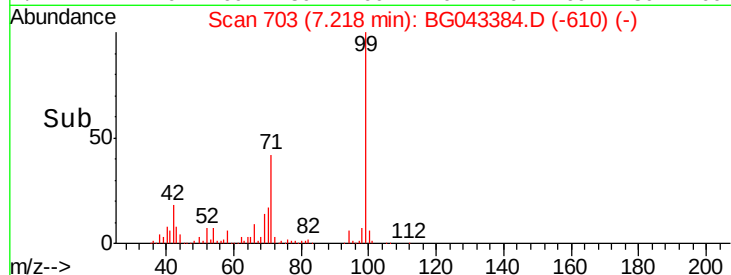
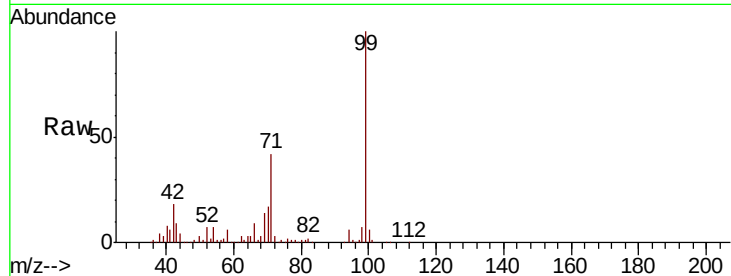
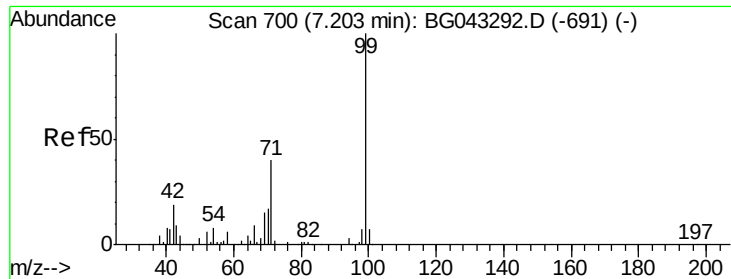
Delta R.T. -0.00 min

Lab File: BG043384.D

Acq: 29 Oct 2019 21:32

Tgt Ion:	93	Resp:	134546
Ion Ratio	Lower	Upper	
93	100		
66	43.6	34.5	51.7
65	19.7	18.0	27.0





#7

Phenol-d6

Concen: 114.589 ng

RT: 7.22 min Scan# 703

Delta R.T. 0.02 min

Lab File: BG043384.D

Acq: 29 Oct 2019 21:32

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		399992		
42	17.6	14.9	22.3		
71	41.7	32.2	48.2		

Instrument :

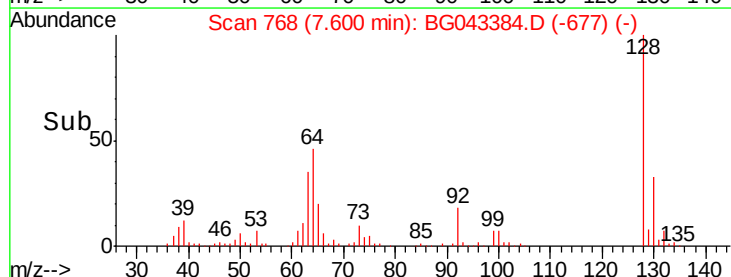
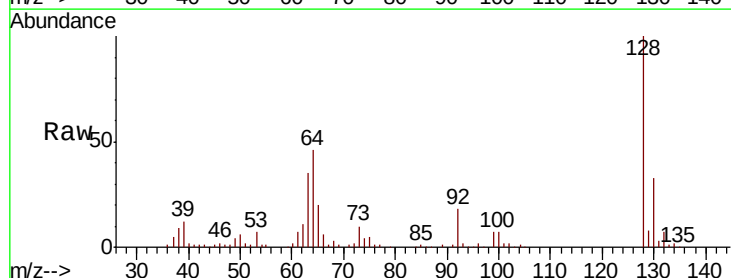
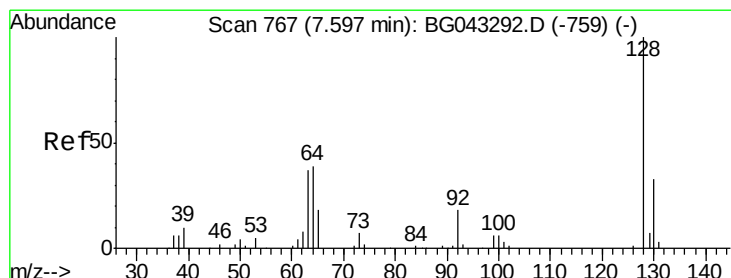
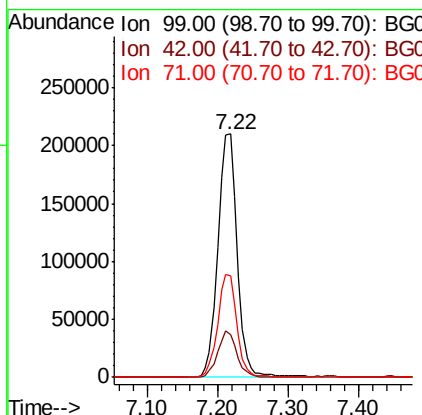
BNA_G

ClientSampleId :

17-20-(0-2.5)MSD

Manual Integrations
APPROVED

mohammad
10/30/2019 4:54:35 PM



#8

2-Chlorophenol

Concen: 47.270 ng

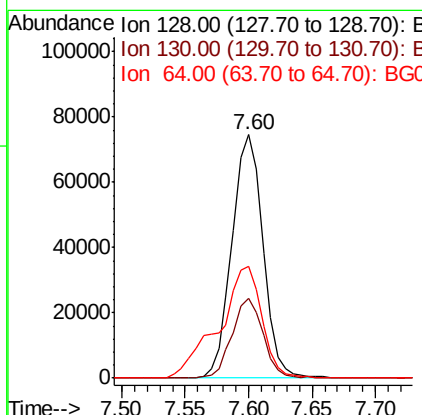
RT: 7.60 min Scan# 768

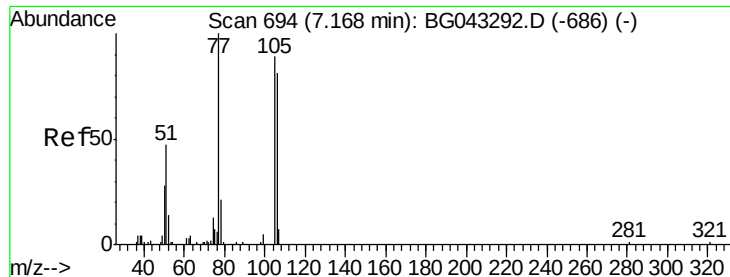
Delta R.T. 0.00 min

Lab File: BG043384.D

Acq: 29 Oct 2019 21:32

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
128	100		126598		
130	32.9	12.9	52.9		
64	45.8	24.9	64.9		





#9

Benzaldehyde

Concen: 39.572 ng

RT: 7.17 min Scan# 694

Delta R.T. -0.00 min

Lab File: BG043384.D

Acq: 29 Oct 2019 21:32

Instrument :

BNA_G

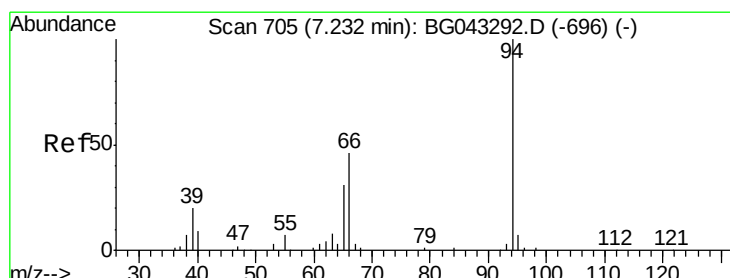
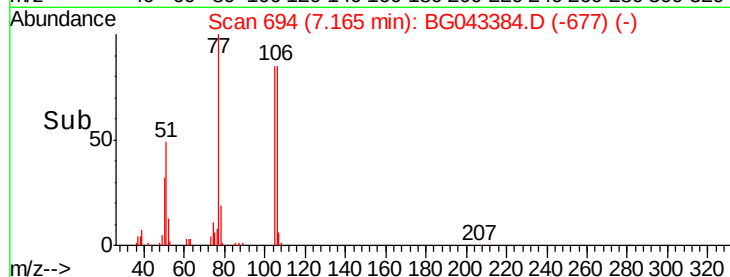
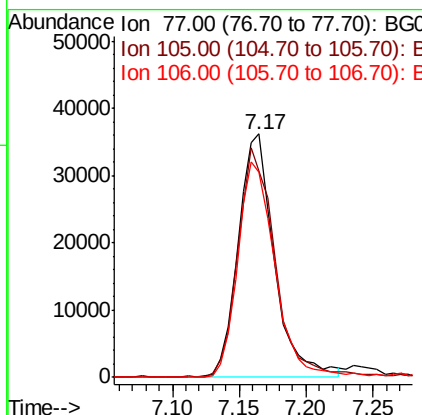
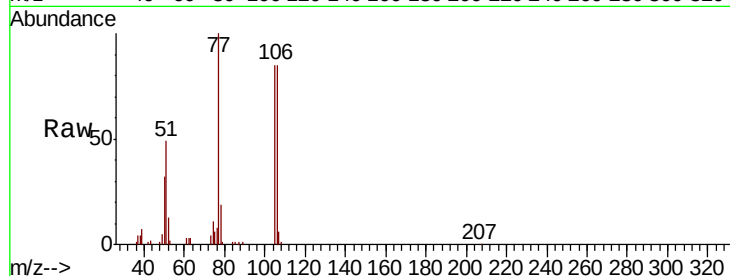
ClientSampleId :

17-20-(0-2.5)MSD

Tot Ion:	77	Resp:	67884
Ion	Ratio	Lower	Upper
77	100		
105	84.9	68.7	108.7
106	84.5	60.5	100.5

Manual Integrations
APPROVED

mohammad
10/30/2019 4:54:35 PM



#10

Phenol

Concen: 51.011 ng

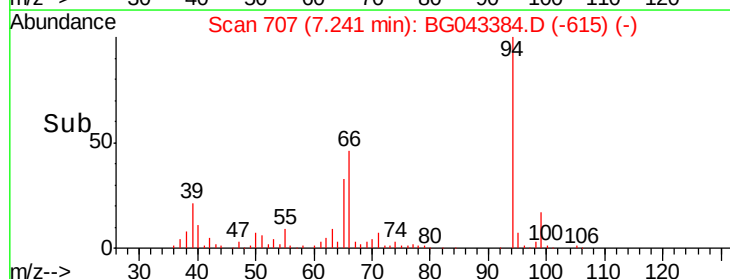
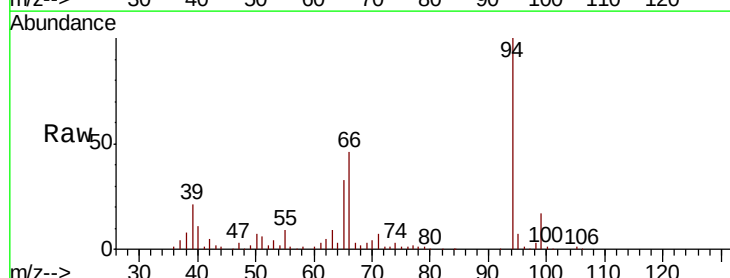
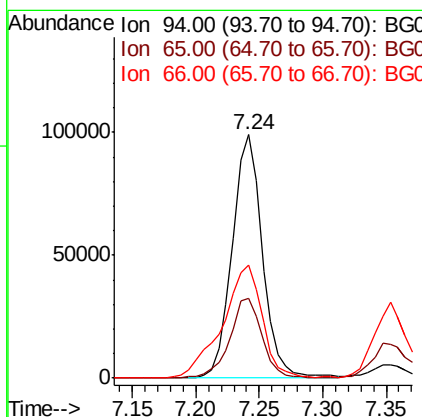
RT: 7.24 min Scan# 707

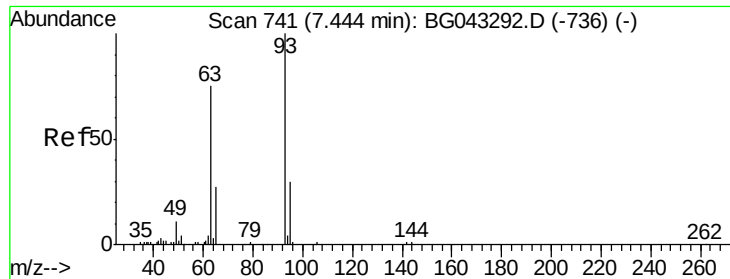
Delta R.T. 0.01 min

Lab File: BG043384.D

Acq: 29 Oct 2019 21:32

Tgt Ion:	94	Resp:	162713
Ion	Ratio	Lower	Upper
94	100		
65	32.8	11.1	51.1
66	46.4	27.8	67.8





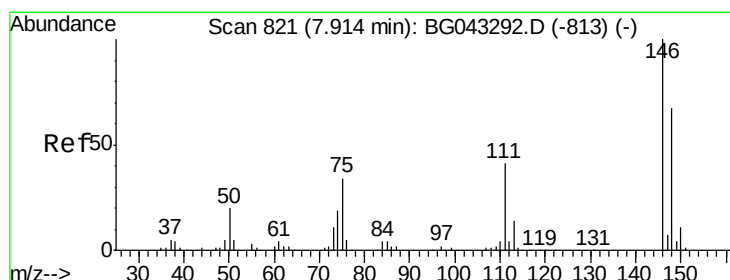
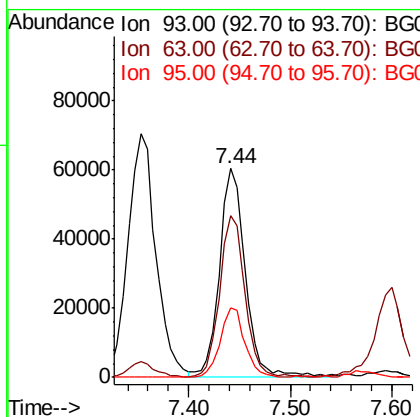
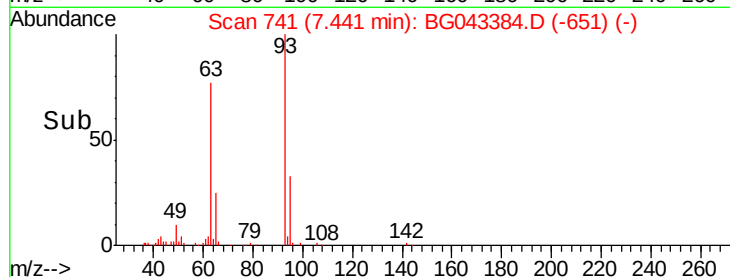
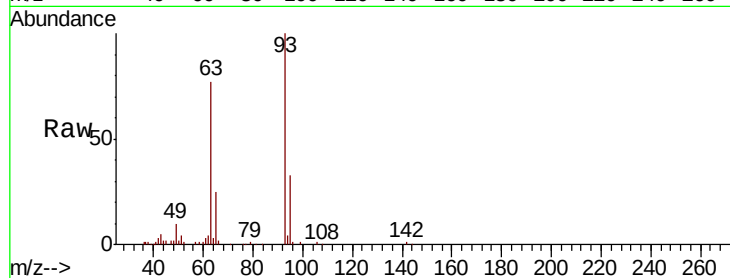
#11
bis(2-Chloroethyl)ether
Concen: 43.641 ng
RT: 7.44 min Scan# 741
Delta R.T. -0.00 min
Lab File: BG043384.D
Acq: 29 Oct 2019 21:32

Instrument :
BNA_G
ClientSampleId :
17-20-(0-2.5)MSD

Tot Ion	Ratio	Lower	Upper
93	100		
63	77.2	54.6	94.6
95	33.2	9.7	49.7

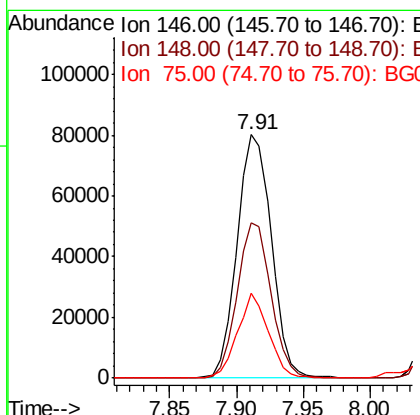
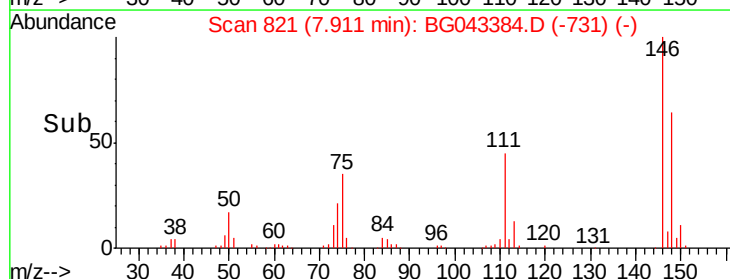
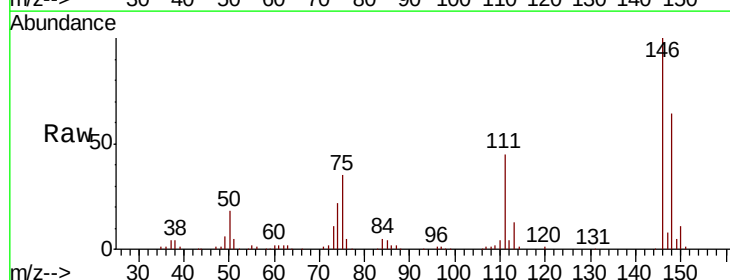
Manual Integrations
APPROVED

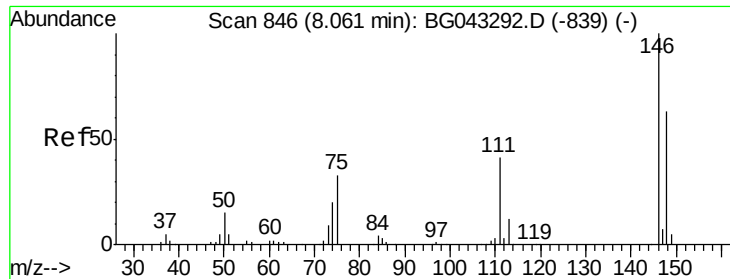
mohammad
10/30/2019 4:54:35 PM



#12
1,3-Dichlorobenzene
Concen: 42.415 ng
RT: 7.91 min Scan# 821
Delta R.T. -0.00 min
Lab File: BG043384.D
Acq: 29 Oct 2019 21:32

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.8	53.4	80.2
75	34.8	27.0	40.4





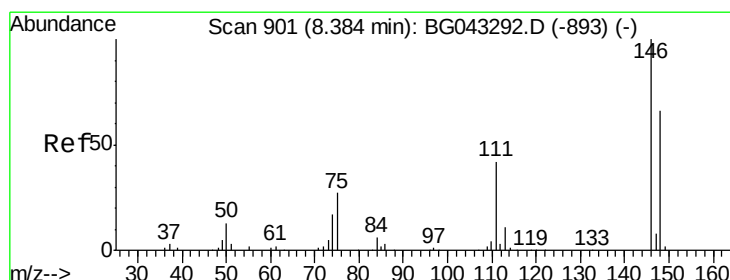
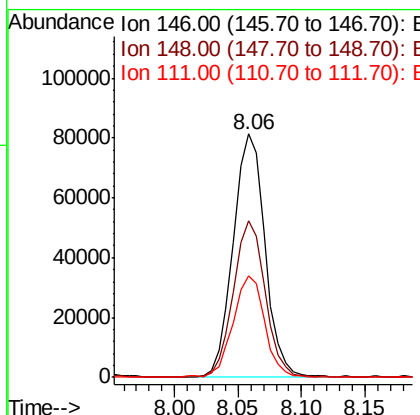
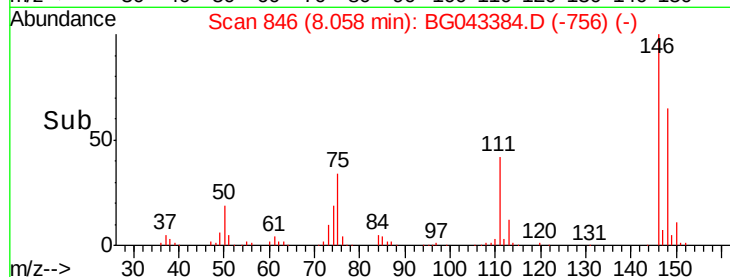
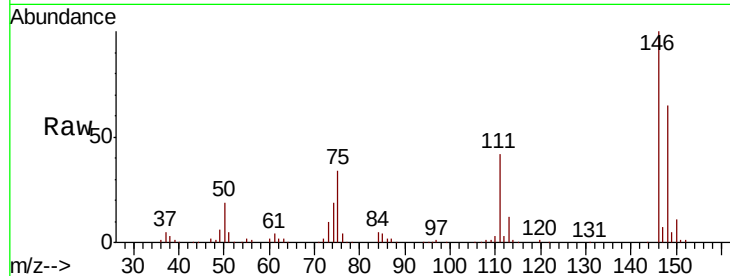
#13
 1,4-Dichlorobenzene
 Concen: 41.629 ng
 RT: 8.06 min Scan# 846
 Delta R.T. -0.00 min
 Lab File: BG043384.D
 Acq: 29 Oct 2019 21:32

Instrument :
 BNA_G
 ClientSampleId :
 17-20-(0-2.5)MSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	64.5	50.7	76.1
111	41.7	33.0	49.6

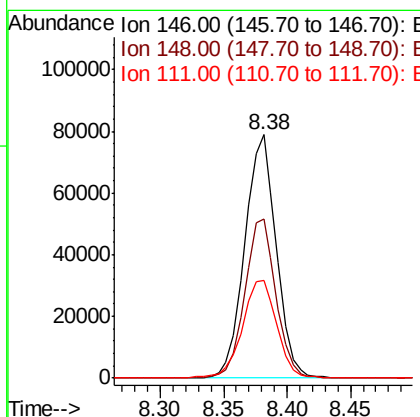
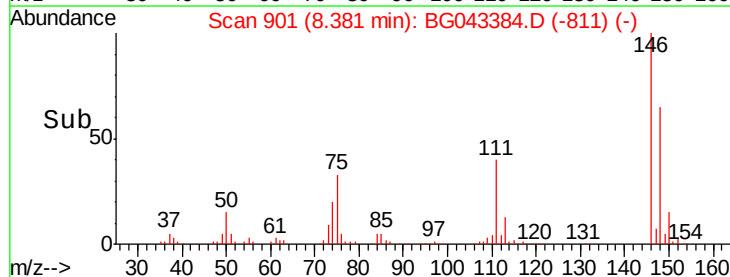
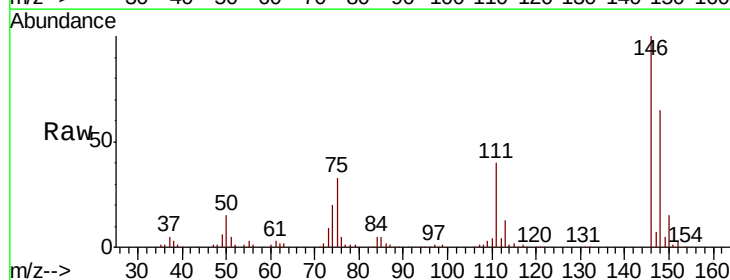
Manual Integrations
 APPROVED

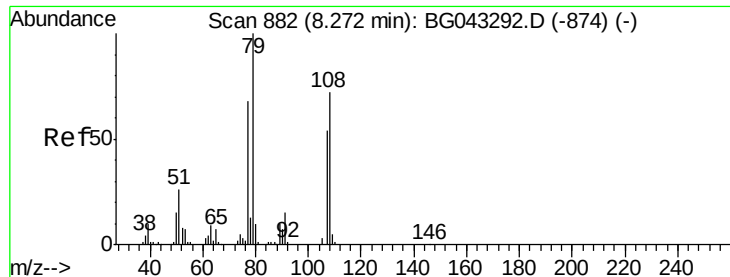
mohammad
 10/30/2019 4:54:35 PM



#14
 1,2-Dichlorobenzene
 Concen: 41.110 ng
 RT: 8.38 min Scan# 901
 Delta R.T. -0.00 min
 Lab File: BG043384.D
 Acq: 29 Oct 2019 21:32

Tgt Ion	Ratio	Lower	Upper
146	100		
148	65.5	53.0	79.4
111	40.3	34.5	51.7





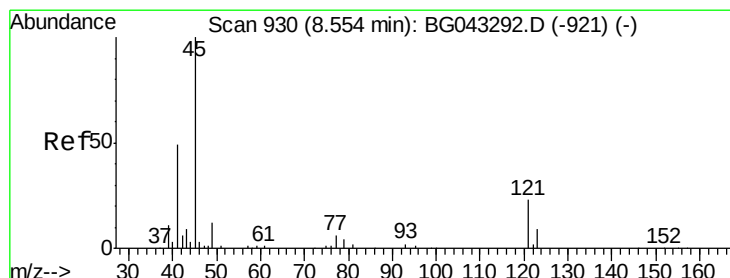
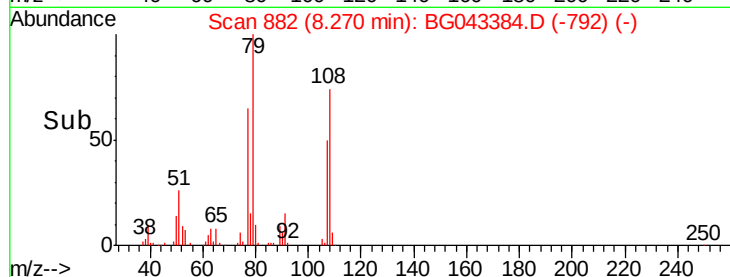
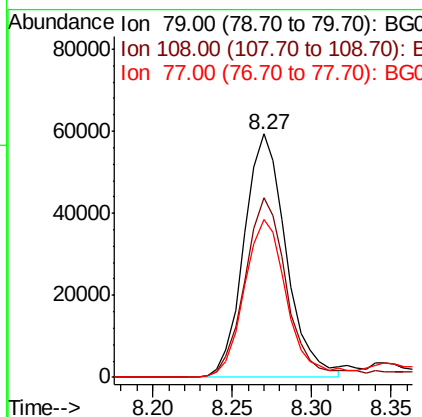
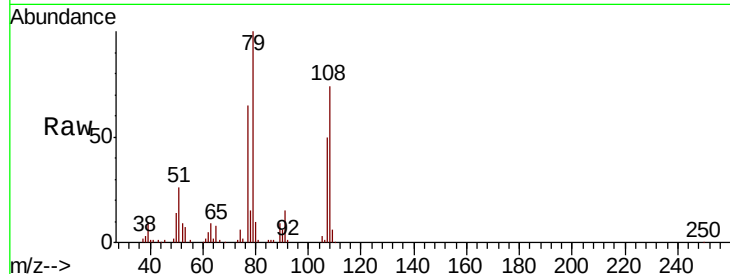
#15
Benzyl Alcohol
Concen: 44.680 ng
RT: 8.27 min Scan# 882
Delta R.T. -0.00 min
Lab File: BG043384.D
Acq: 29 Oct 2019 21:32

Instrument :
BNA_G
ClientSampleId :
17-20-(0-2.5)MSD

Tot Ion	Ratio	Lower	Upper
79	100		
108	73.8	57.3	85.9
77	65.0	54.6	81.8

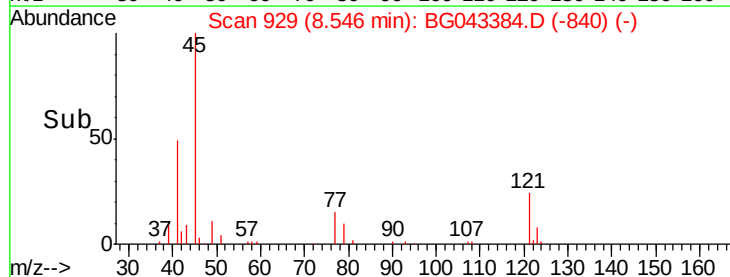
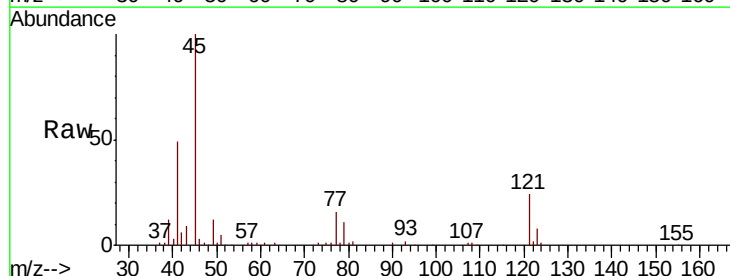
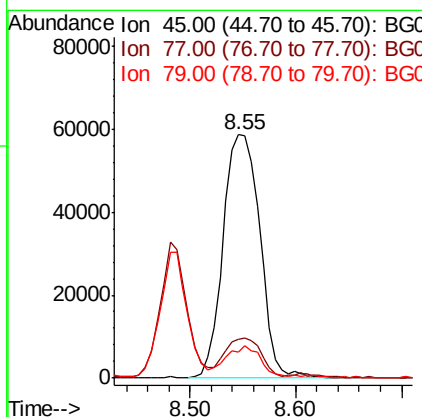
Manual Integrations
APPROVED

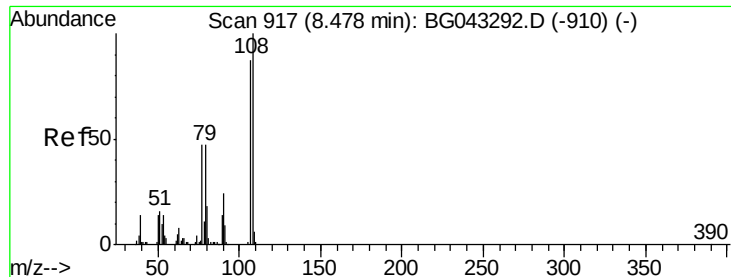
mohammad
10/30/2019 4:54:35 PM



#16
2,2'-oxybis(1-Chloropropane)
Concen: 39.589 ng
RT: 8.55 min Scan# 929
Delta R.T. -0.01 min
Lab File: BG043384.D
Acq: 29 Oct 2019 21:32

Tgt Ion	Ratio	Lower	Upper
45	100		
77	16.0	0.0	34.2
79	10.8	0.0	32.3





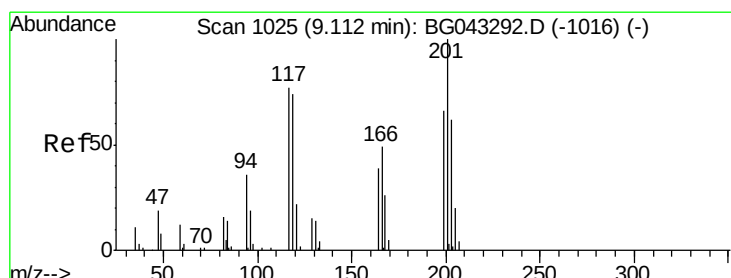
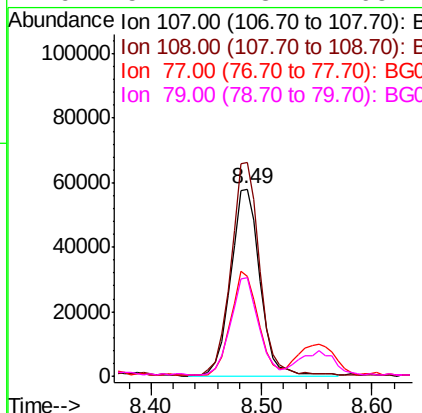
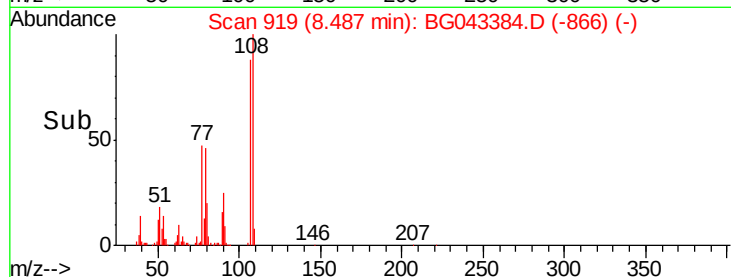
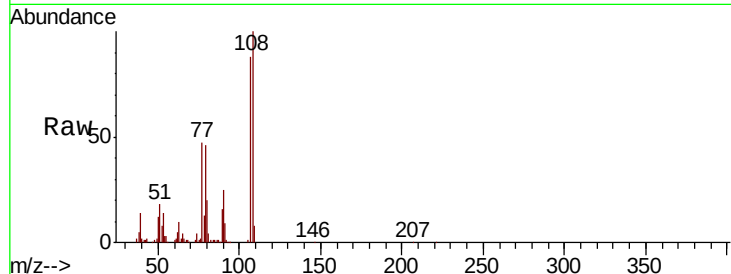
#17
2-Methylphenol
Concen: 46.675 ng
RT: 8.49 min Scan# 919
Delta R.T. 0.01 min
Lab File: BG043384.D
Acq: 29 Oct 2019 21:32

Instrument :
BNA_G
ClientSampleId :
17-20-(0-2.5)MSD

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	113.9	91.3	136.9	
77	53.4	43.0	64.6	
79	52.4	43.4	65.2	

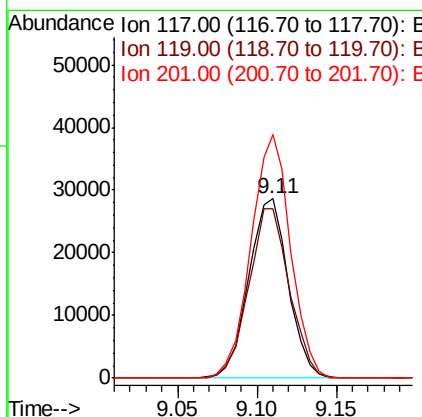
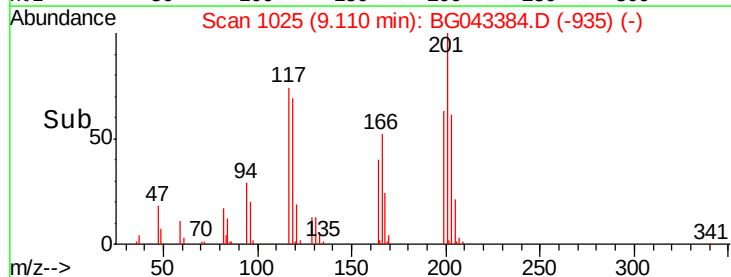
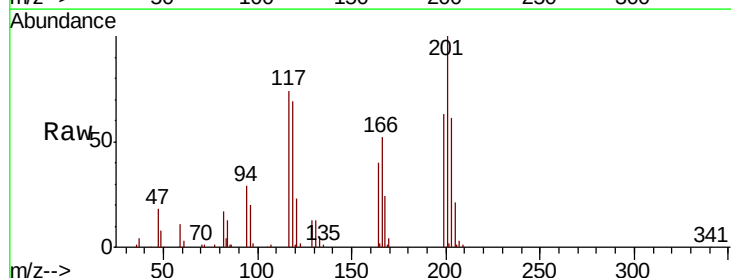
Manual Integrations
APPROVED

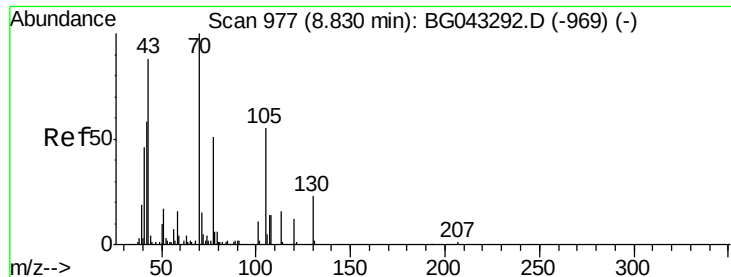
mohammad
10/30/2019 4:54:35 PM



#18
Hexachloroethane
Concen: 40.457 ng
RT: 9.11 min Scan# 1025
Delta R.T. -0.00 min
Lab File: BG043384.D
Acq: 29 Oct 2019 21:32

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	94.2	77.3	115.9	
201	135.9	104.2	156.4	





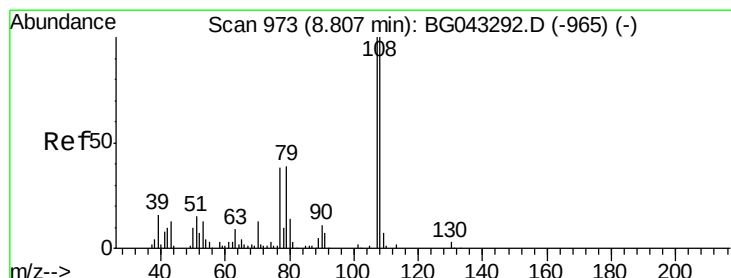
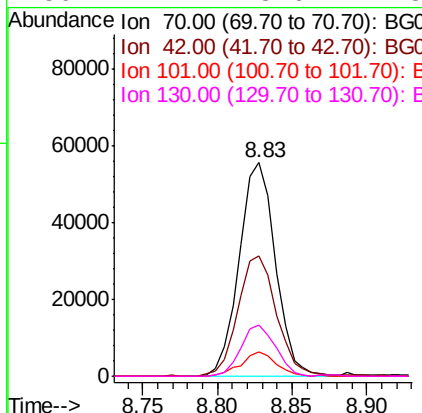
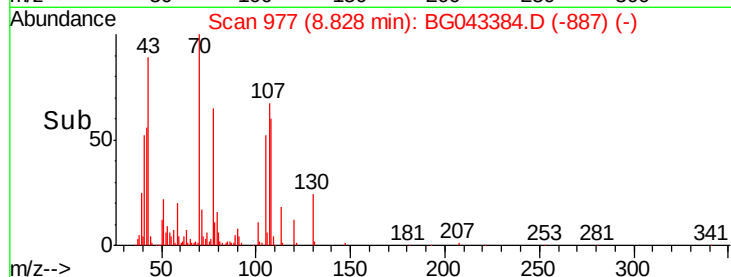
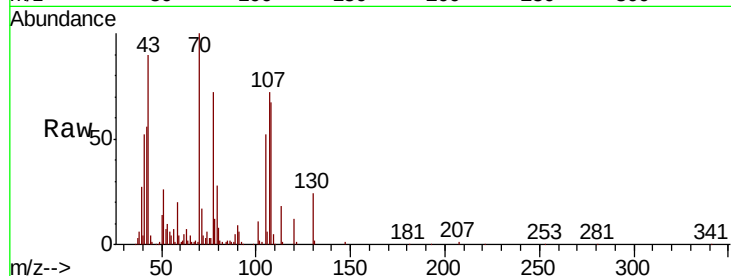
#19
n-Nitroso-di-n-propylamine
Concen: 41.463 ng
RT: 8.83 min Scan# 977
Delta R.T. -0.00 min
Lab File: BG043384.D
Acq: 29 Oct 2019 21:32

Instrument :
BNA_G
ClientSampleId :
17-20-(0-2.5)MSD

Tot Ion	Ion	Ratio	Lower	Upper
70	100			
42	56.3	46.2	69.2	
101	11.2	8.6	13.0	
130	24.1	18.6	27.8	

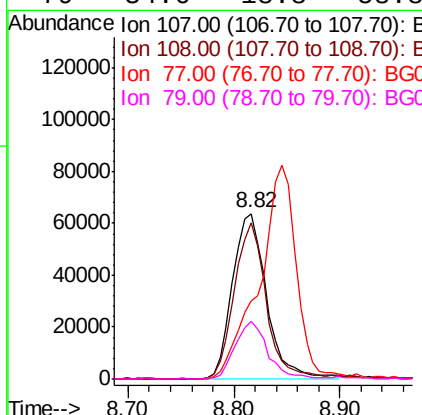
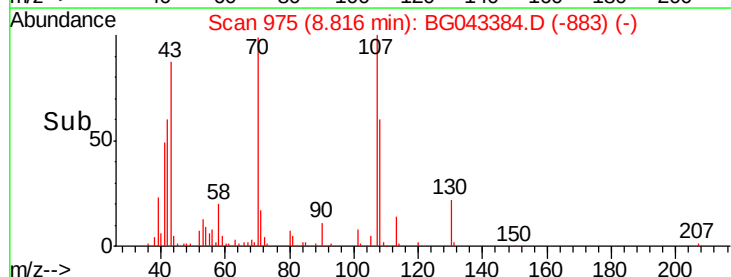
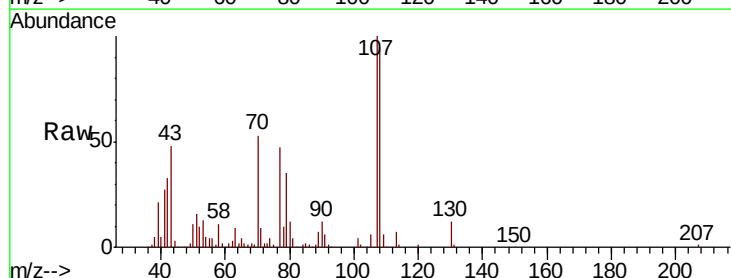
Manual Integrations
APPROVED

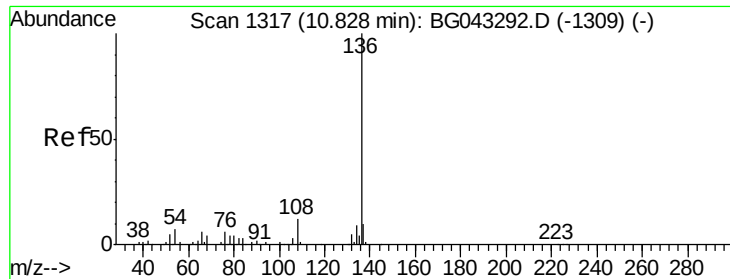
mohammad
10/30/2019 4:54:35 PM



#20
3+4-Methylphenols
Concen: 44.642 ng
RT: 8.82 min Scan# 975
Delta R.T. 0.01 min
Lab File: BG043384.D
Acq: 29 Oct 2019 21:32

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
108	94.2	80.3	120.3	
77	47.3	18.2	58.2	
79	34.6	18.8	58.8	





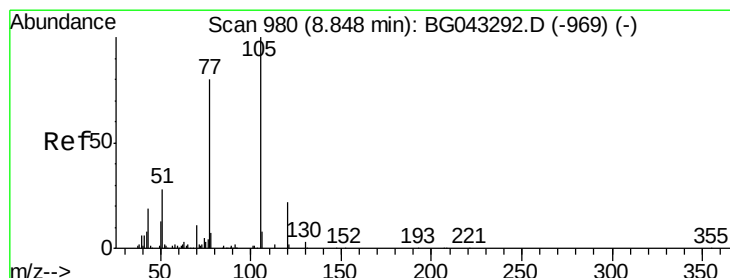
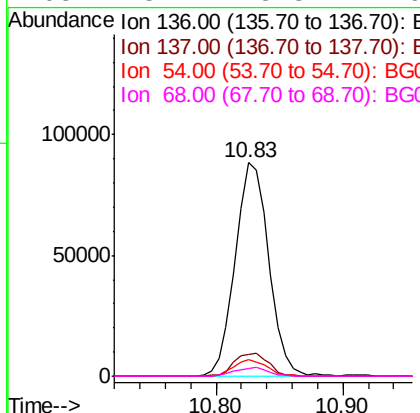
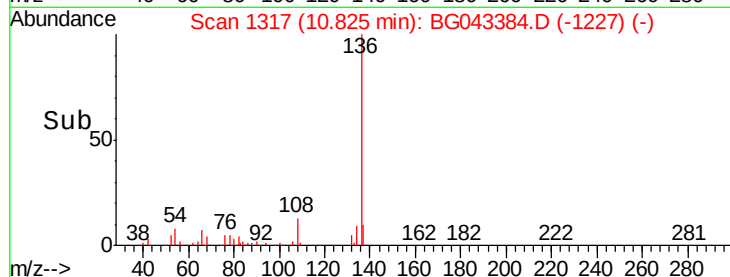
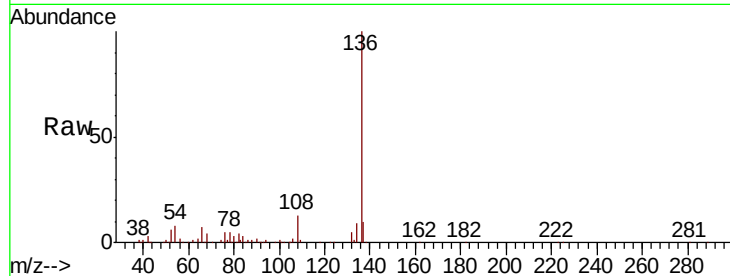
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1317
Delta R.T. -0.00 min
Lab File: BG043384.D
Acq: 29 Oct 2019 21:32

Instrument :
BNA_G
ClientSampleId :
17-20-(0-2.5)MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		162494		
137	10.0	8.2	12.2		
54	7.7	5.4	8.2		
68	3.7	3.3	4.9		

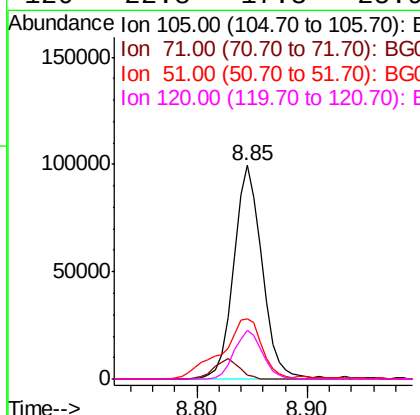
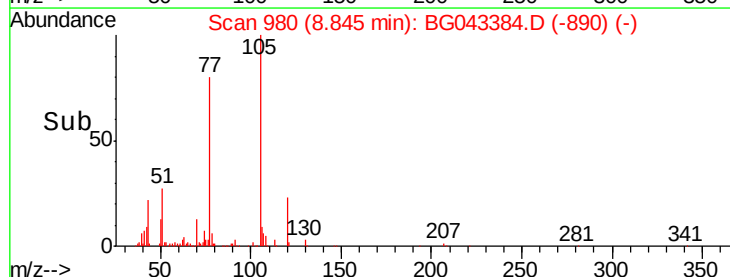
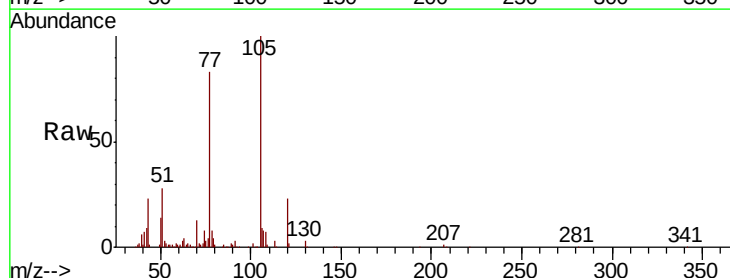
Manual Integrations
APPROVED

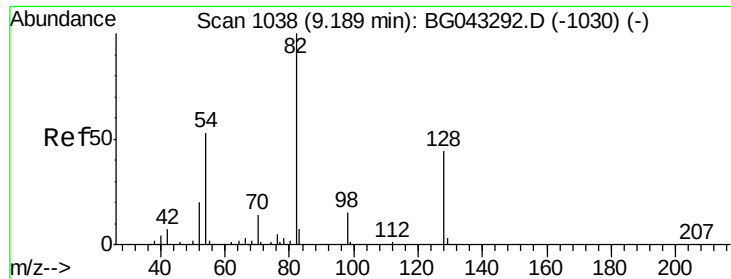
mohammad
10/30/2019 4:54:35 PM



#22
Acetophenone
Concen: 43.169 ng
RT: 8.85 min Scan# 980
Delta R.T. -0.00 min
Lab File: BG043384.D
Acq: 29 Oct 2019 21:32

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		179640		
71	1.9	1.5	2.3		
51	28.0	23.9	35.9		
120	22.8	17.3	25.9		





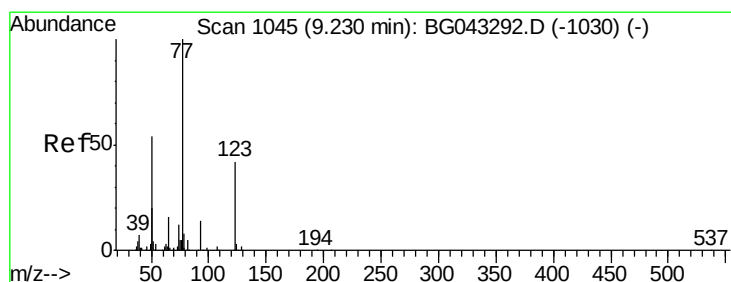
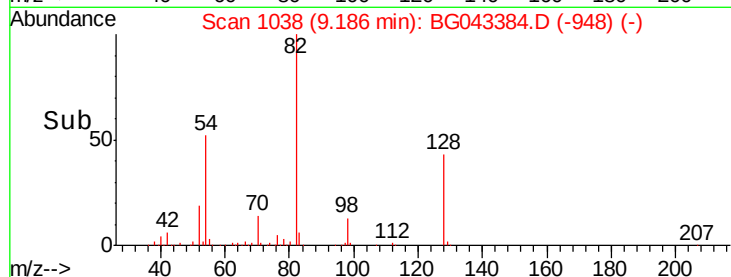
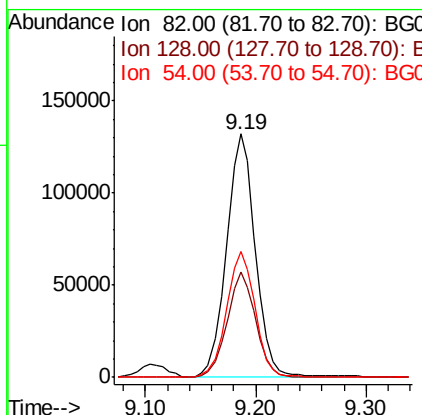
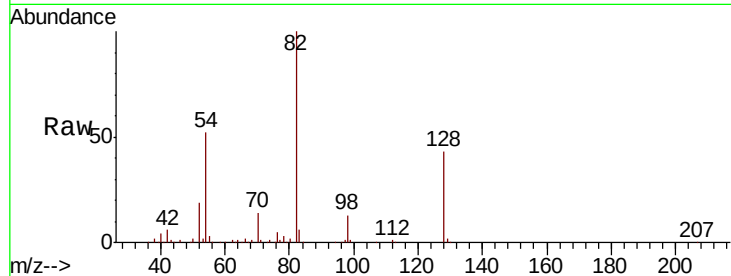
#23
 Nitrobenzene-d5
 Concen: 76.566 ng
 RT: 9.19 min Scan# 1038
 Delta R.T. -0.00 min
 Lab File: BG043384.D
 Acq: 29 Oct 2019 21:32

Instrument :
 BNA_G
 ClientSampleId :
 17-20-(0-2.5)MSD

Tot Ion	Ratio	Resp	Lower	Upper
82	100	241328		
128	43.3	35.3	52.9	
54	51.6	42.3	63.5	

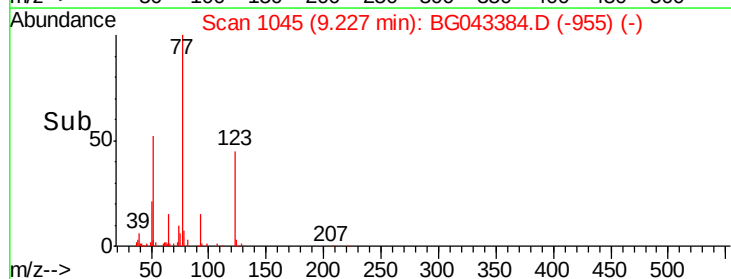
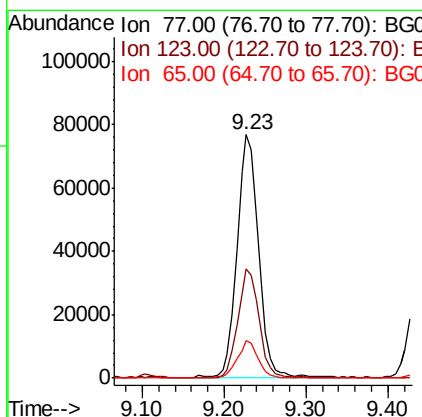
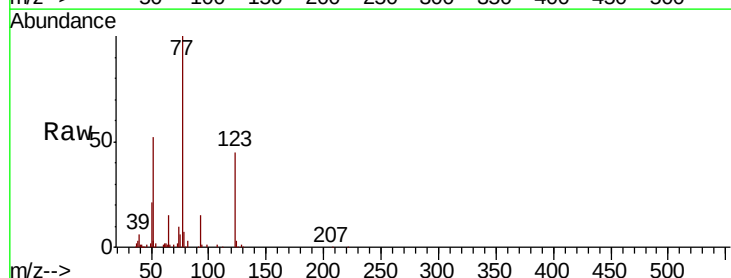
Manual Integrations
 APPROVED

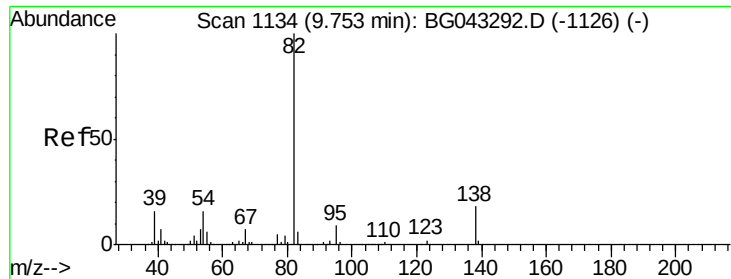
mohammad
 10/30/2019 4:54:35 PM



#24
 Nitrobenzene
 Concen: 46.628 ng
 RT: 9.23 min Scan# 1045
 Delta R.T. -0.00 min
 Lab File: BG043384.D
 Acq: 29 Oct 2019 21:32

Tgt Ion	Ratio	Resp	Lower	Upper
77	100	140003		
123	44.7	33.8	50.8	
65	15.5	13.0	19.4	





#25

Isophorone

Concen: 45.622 ng

RT: 9.75 min Scan# 1134

Delta R.T. -0.00 min

Lab File: BG043384.D

Acq: 29 Oct 2019 21:32

Instrument :

BNA_G

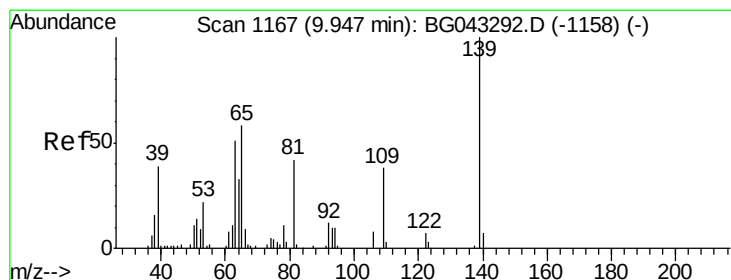
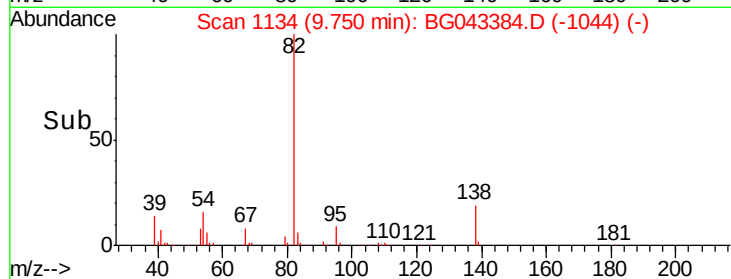
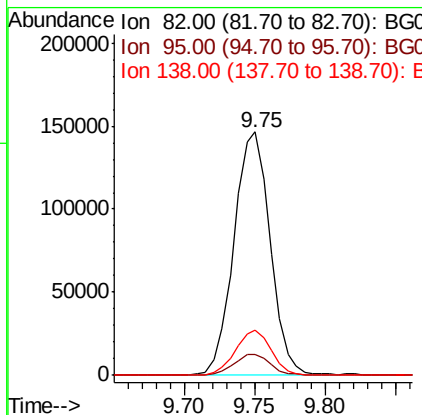
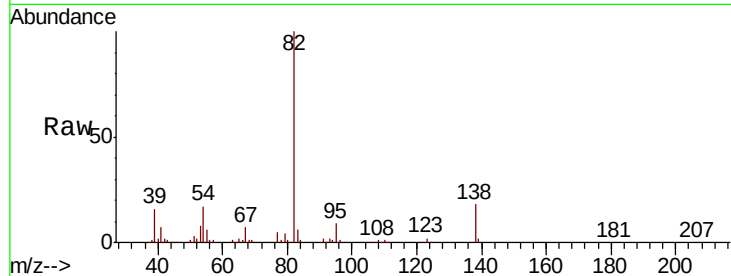
ClientSampleId :

17-20-(0-2.5)MSD

Tot Ion:	82	Resp:	262896
Ion Ratio	Lower	Upper	
82	100		
95	8.8	6.9	10.3
138	18.4	14.2	21.2

Manual Integrations
APPROVED

mohammad
10/30/2019 4:54:35 PM



#26

2-Nitrophenol

Concen: 51.477 ng

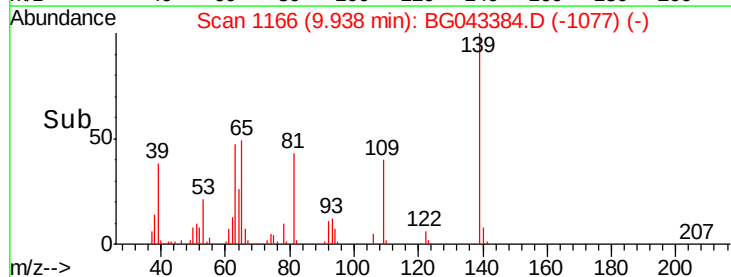
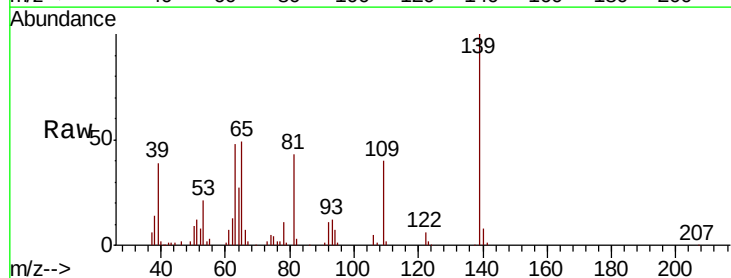
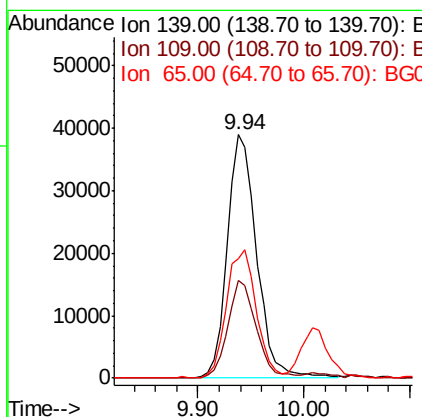
RT: 9.94 min Scan# 1166

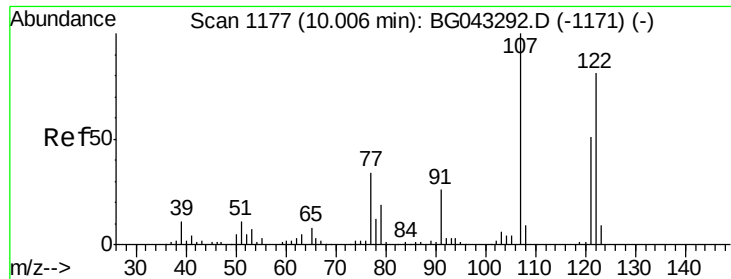
Delta R.T. -0.01 min

Lab File: BG043384.D

Acq: 29 Oct 2019 21:32

Tgt Ion:	139	Resp:	74620
Ion Ratio	Lower	Upper	
139	100		
109	40.1	30.1	45.1
65	49.2	46.1	69.1





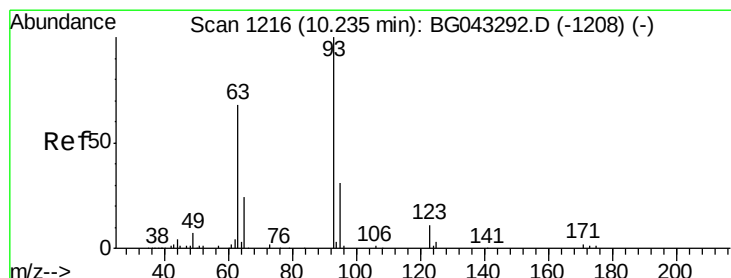
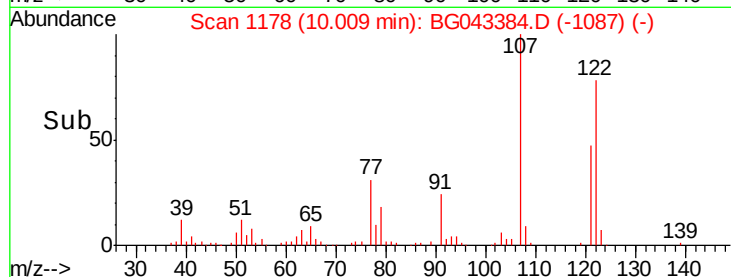
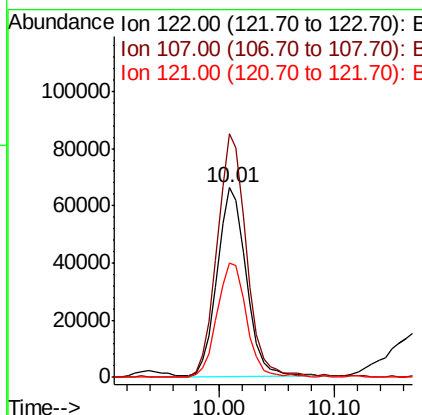
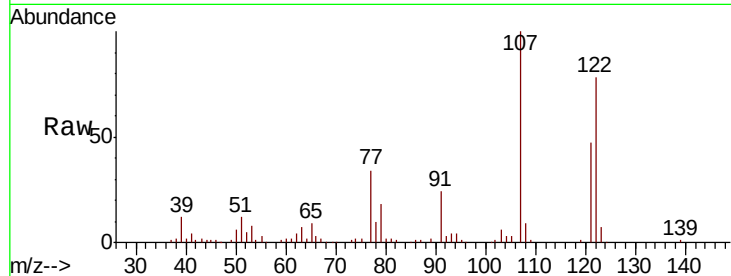
#27
2,4-Dimethylphenol
Concen: 55.994 ng
RT: 10.01 min Scan# 1178
Delta R.T. 0.00 min
Lab File: BG043384.D
Acq: 29 Oct 2019 21:32

Instrument :
BNA_G
ClientSampleId :
17-20-(0-2.5)MSD

Tot Ion	Ratio	Lower	Upper
122	100		
107	128.5	98.6	147.8
121	60.5	50.1	75.1

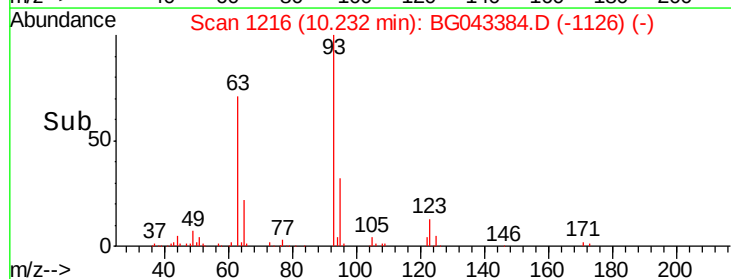
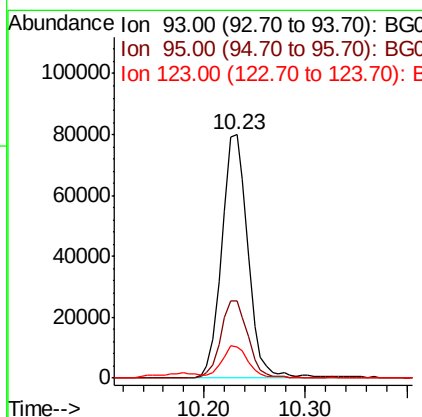
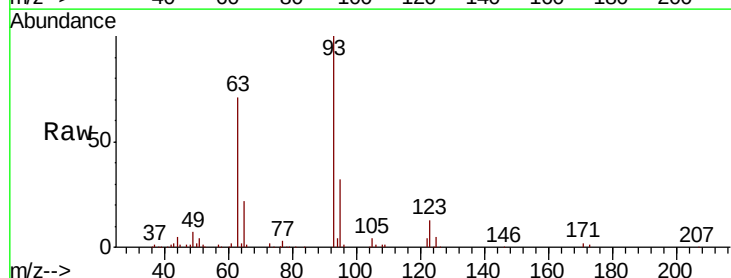
Manual Integrations
APPROVED

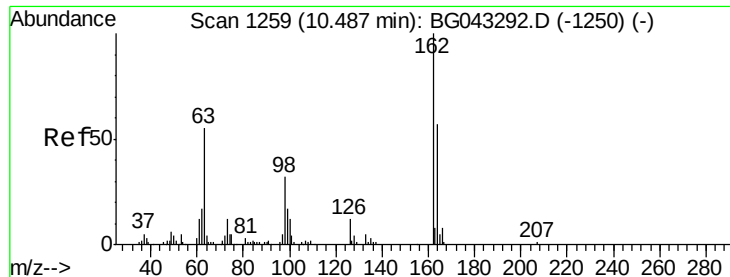
mohammad
10/30/2019 4:54:35 PM



#28
bis(2-Chloroethoxy)methane
Concen: 45.282 ng
RT: 10.23 min Scan# 1216
Delta R.T. -0.00 min
Lab File: BG043384.D
Acq: 29 Oct 2019 21:32

Tgt Ion	Ratio	Lower	Upper
93	100		
95	31.9	24.9	37.3
123	13.0	8.9	13.3





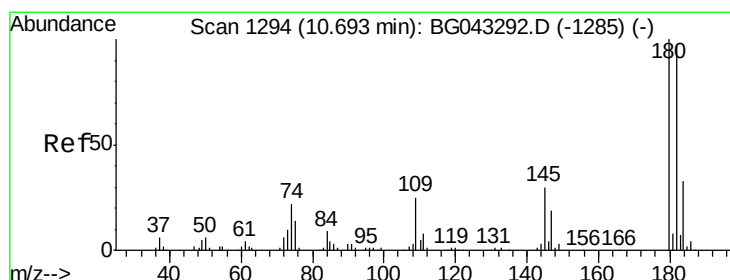
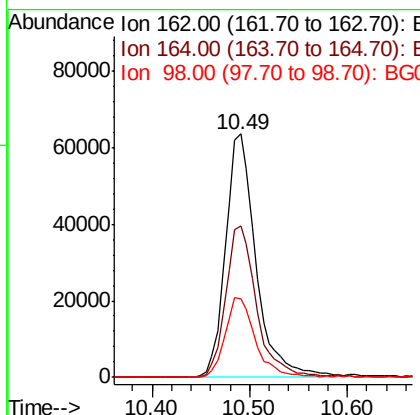
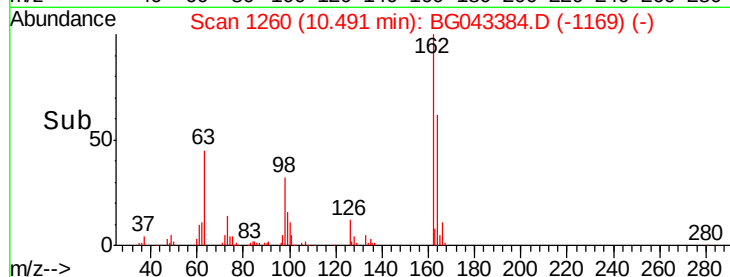
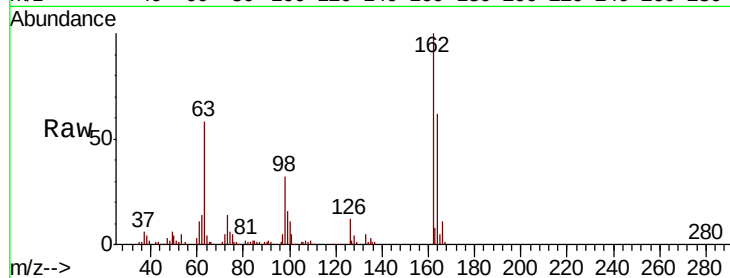
#29
 2,4-Dichlorophenol
 Concen: 51.673 ng
 RT: 10.49 min Scan# 1260
 Delta R.T. 0.00 min
 Lab File: BG043384.D
 Acq: 29 Oct 2019 21:32

Instrument :
 BNA_G
 ClientSampleId :
 17-20-(0-2.5)MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
162	100		137554		
164	62.2	37.3	77.3		
98	32.1	11.8	51.8		

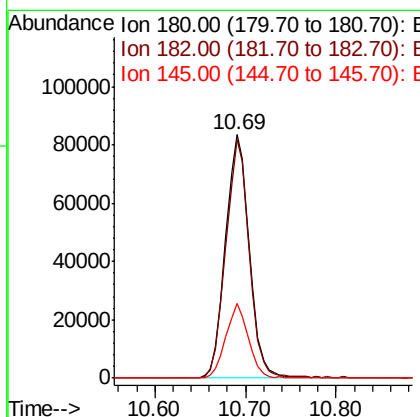
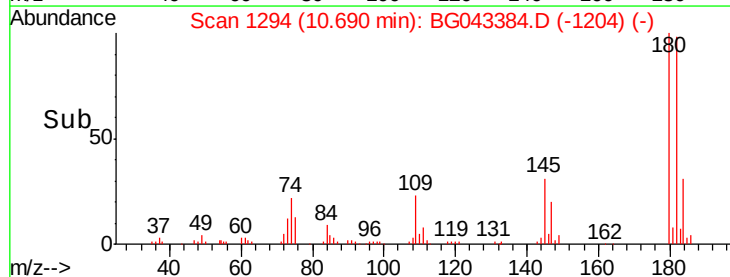
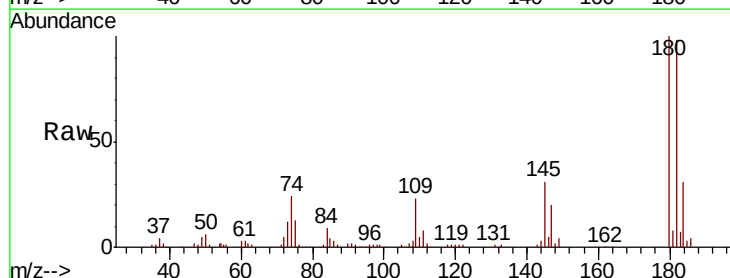
Manual Integrations
 APPROVED

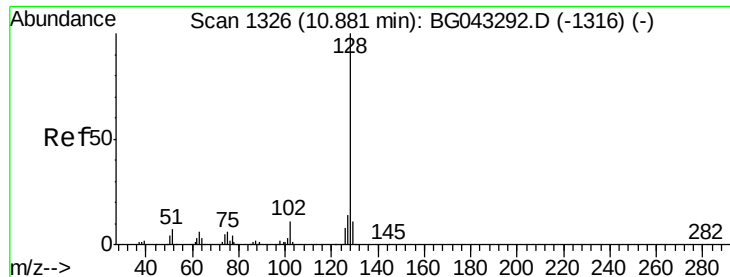
mohammad
 10/30/2019 4:54:35 PM



#30
 1,2,4-Trichlorobenzene
 Concen: 45.423 ng
 RT: 10.69 min Scan# 1294
 Delta R.T. -0.00 min
 Lab File: BG043384.D
 Acq: 29 Oct 2019 21:32

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
180	100		152398		
182	98.0	77.8	116.8		
145	30.7	23.6	35.4		





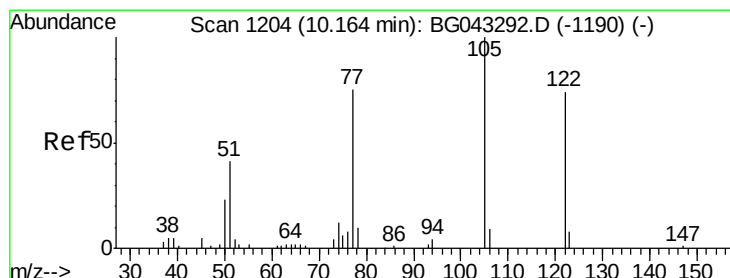
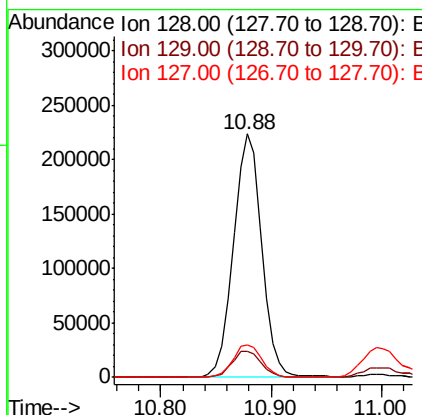
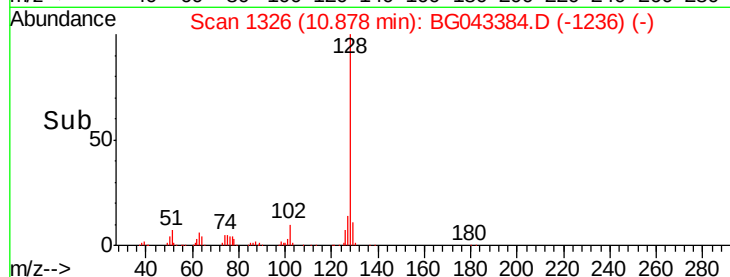
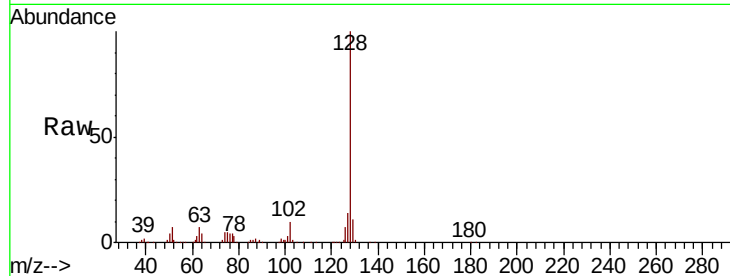
#31
Naphthalene
Concen: 48.785 ng
RT: 10.88 min Scan# 1326
Delta R.T. -0.00 min
Lab File: BG043384.D
Acq: 29 Oct 2019 21:32

Instrument :
BNA_G
ClientSampleId :
17-20-(0-2.5)MSD

Tot Ion:128	Resp:	402382
Ion Ratio	Lower	Upper
128 100		
129 10.8	8.6	12.8
127 13.5	11.5	17.3

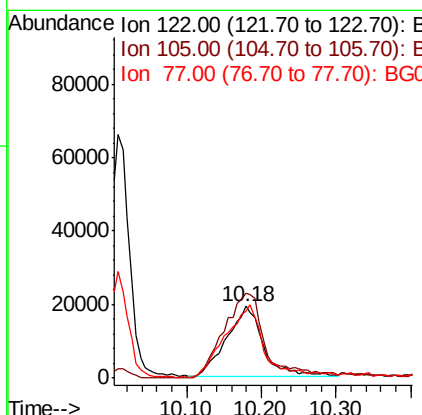
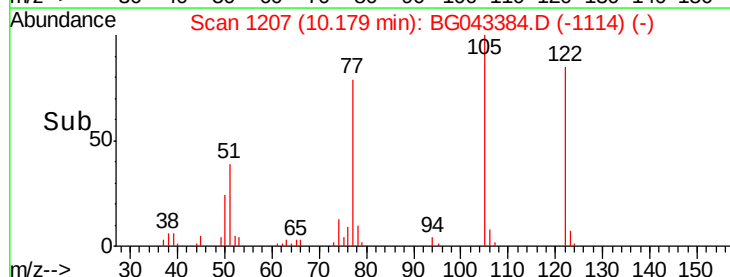
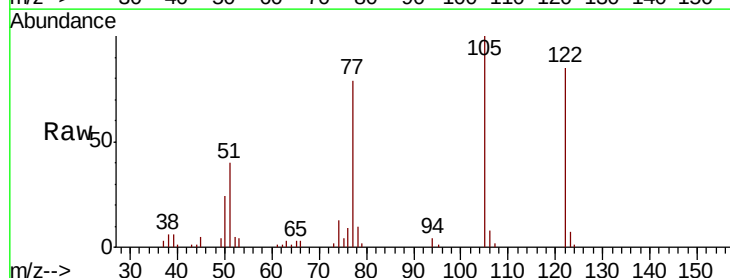
Manual Integrations
APPROVED

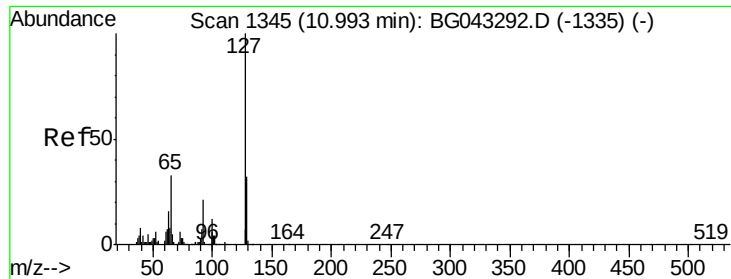
mohammad
10/30/2019 4:54:35 PM



#32
Benzoic acid
Concen: 42.253 ng
RT: 10.18 min Scan# 1207
Delta R.T. 0.02 min
Lab File: BG043384.D
Acq: 29 Oct 2019 21:32

Tgt Ion:122	Resp:	64911
Ion Ratio	Lower	Upper
122 100		
105 118.3	112.4	152.4
77 93.5	82.7	122.7





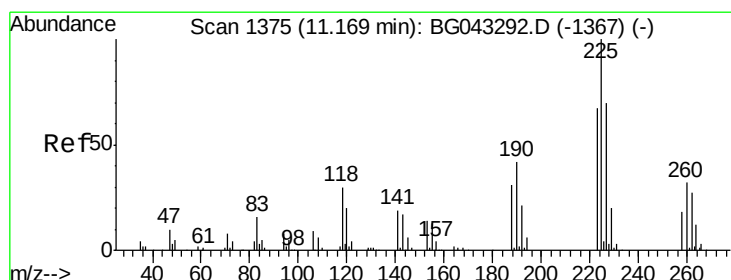
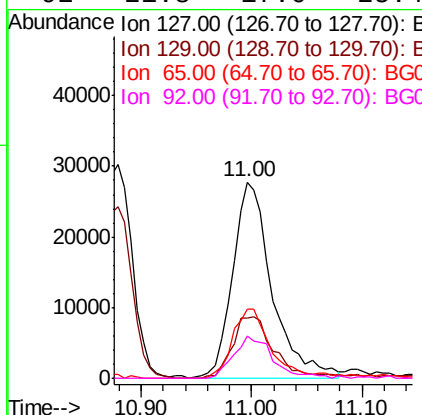
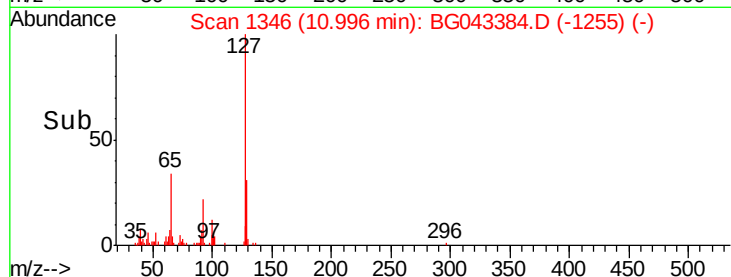
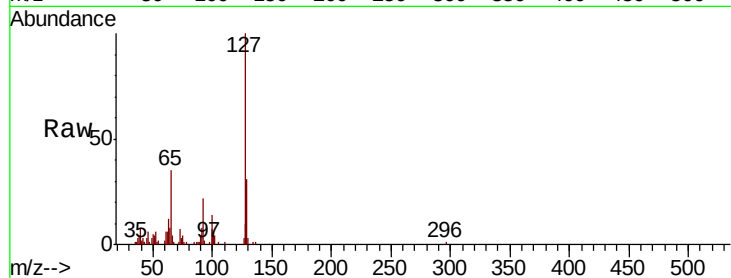
#33
4-Chloroaniline
Concen: 20.559 ng
RT: 11.00 min Scan# 1346
Delta R.T. 0.00 min
Lab File: BG043384.D
Acq: 29 Oct 2019 21:32

Instrument :
BNA_G
ClientSampleId :
17-20-(0-2.5)MSD

Tot Ion	Ratio	Lower	Upper
127	100		
129	30.8	25.8	38.8
65	35.0	26.2	39.2
92	21.8	17.0	25.4

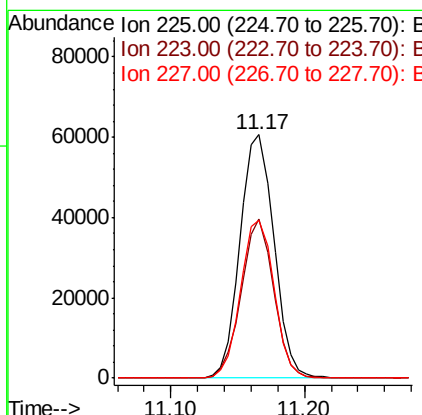
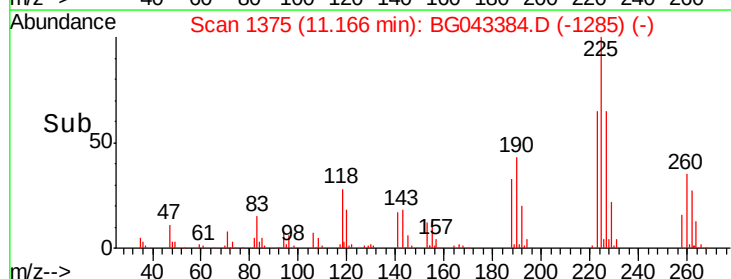
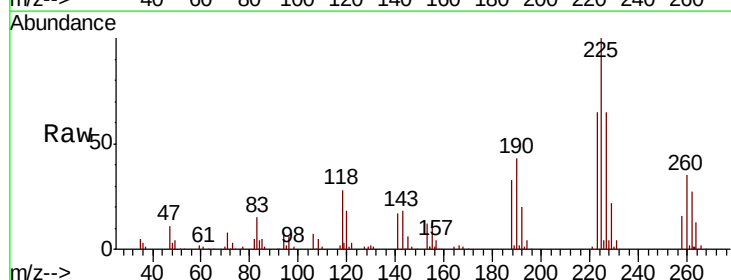
Manual Integrations
APPROVED

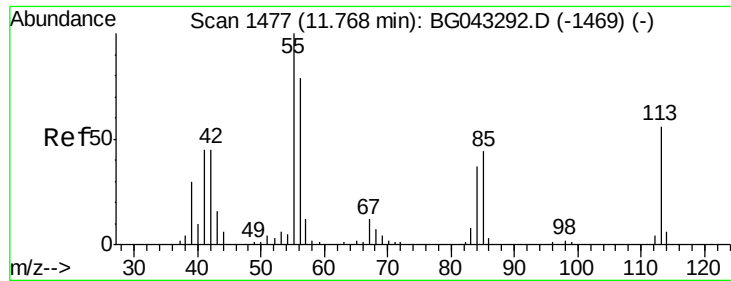
mohammad
10/30/2019 4:54:35 PM



#34
Hexachlorobutadiene
Concen: 43.052 ng
RT: 11.17 min Scan# 1375
Delta R.T. -0.00 min
Lab File: BG043384.D
Acq: 29 Oct 2019 21:32

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.2	53.2	79.8
227	64.8	56.2	84.2





#35

Caprolactam

Concen: 46.202 ng/mL

RT: 11.77 min Scan# 1478

Delta R.T. 0.00 min

Lab File: BG043384.D

Acq: 29 Oct 2019 21:32

Instrument :

BNA_G

ClientSampleId :

17-20-(0-2.5)MSD

Tot Ion:113 Resp: 42358

Ion Ratio Lower Upper

113 100

55 156.0 158.9 198.9#

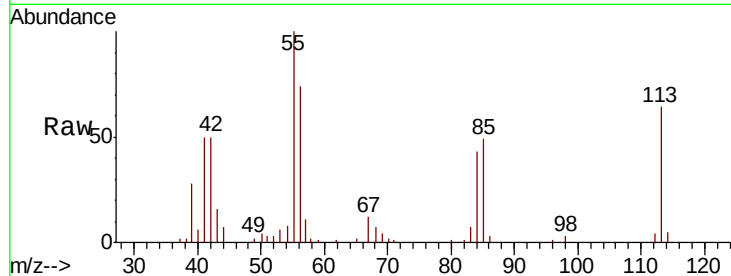
56 115.8 121.4 161.4#

Manual Integrations

APPROVED

mohammad

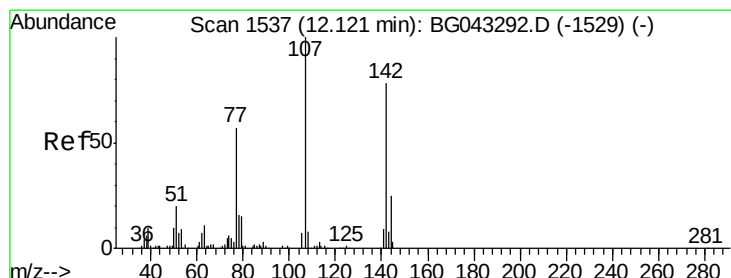
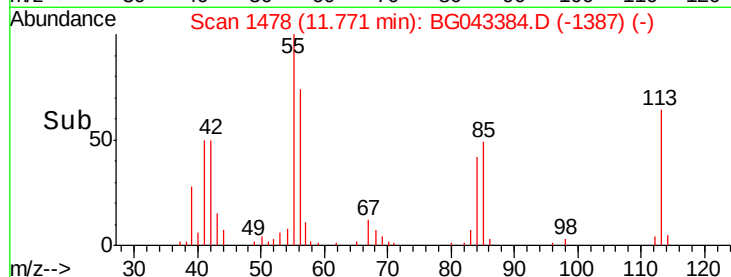
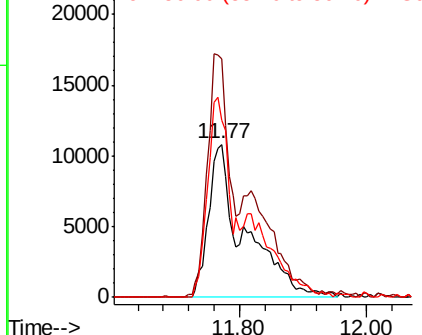
10/30/2019 4:54:35 PM



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BG043292.D (-1469) (-)

Ion 56.00 (55.70 to 56.70): BG043292.D (-1469) (-)



#36

4-Chloro-3-methylphenol

Concen: 48.891 ng/mL

RT: 12.13 min Scan# 1539

Delta R.T. 0.01 min

Lab File: BG043384.D

Acq: 29 Oct 2019 21:32

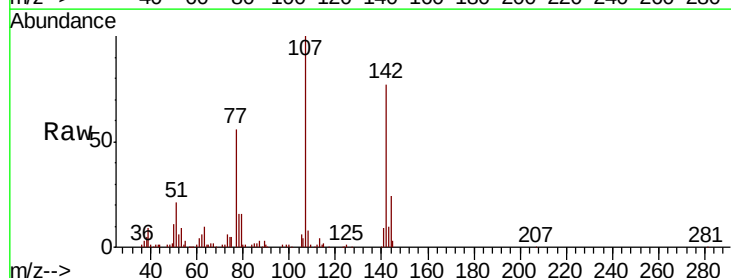
Tgt Ion:107 Resp: 141964

Ion Ratio Lower Upper

107 100

144 24.2 19.9 29.9

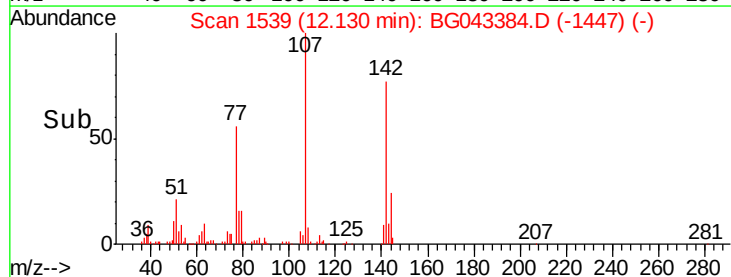
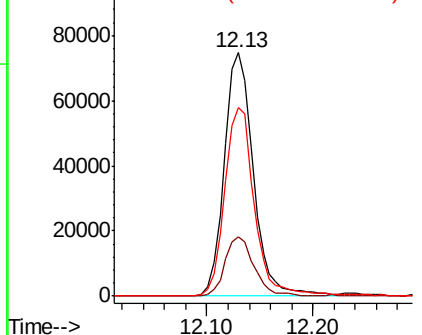
142 77.5 62.1 93.1

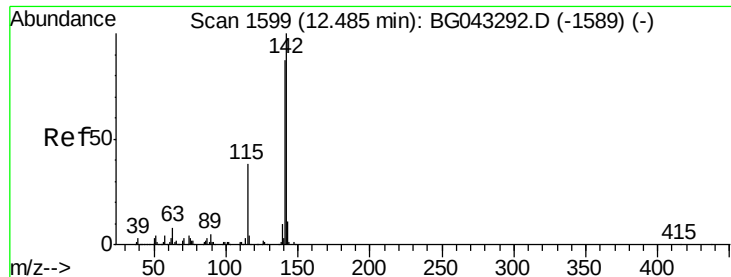


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





#37

2-Methylnaphthalene

Concen: 47.964 ng

RT: 12.48 min Scan# 1599

Delta R.T. -0.00 min

Lab File: BG043384.D

Acq: 29 Oct 2019 21:32

Instrument :

BNA_G

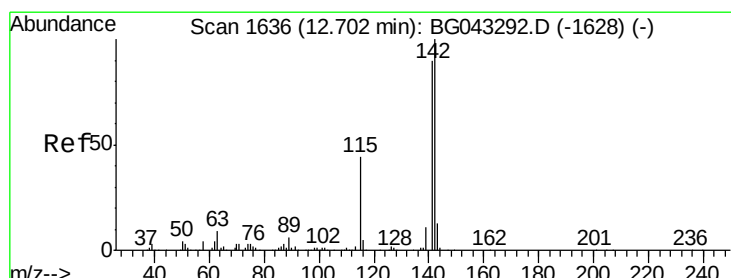
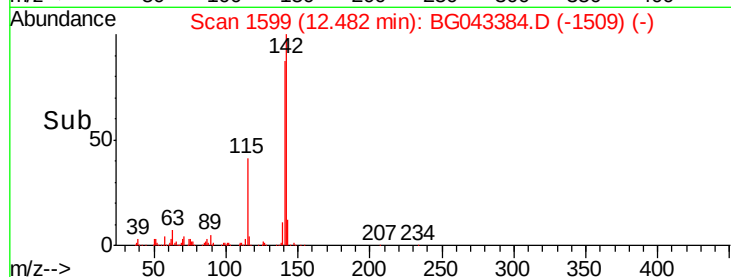
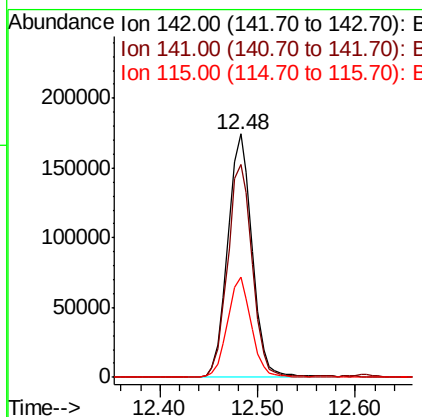
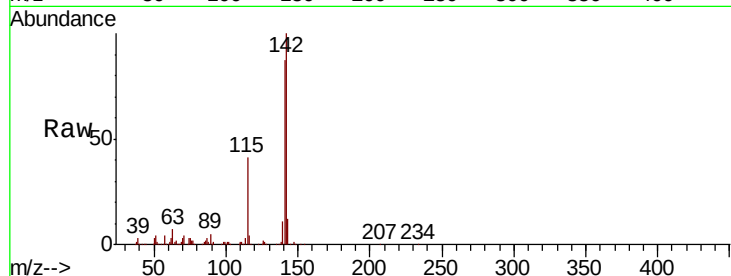
ClientSampleId :

17-20-(0-2.5)MSD

Tot Ion:	142	Resp:	303544
Ion Ratio	Lower	Upper	
142	100		
141	87.3	69.7	104.5
115	41.0	30.6	46.0

Manual Integrations
APPROVED

mohammad
10/30/2019 4:54:35 PM



#38

1-Methylnaphthalene

Concen: 47.488 ng

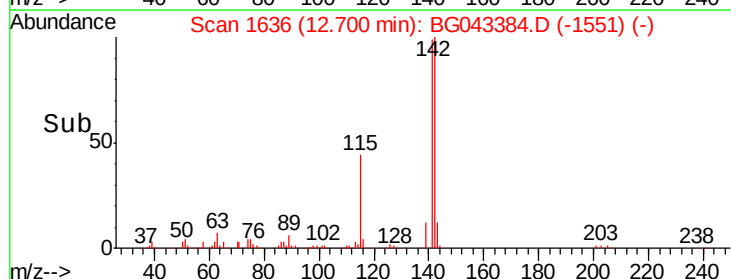
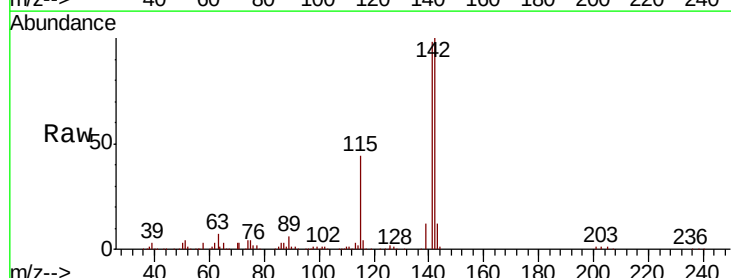
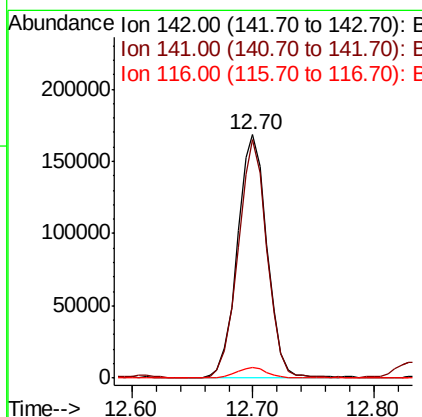
RT: 12.70 min Scan# 1636

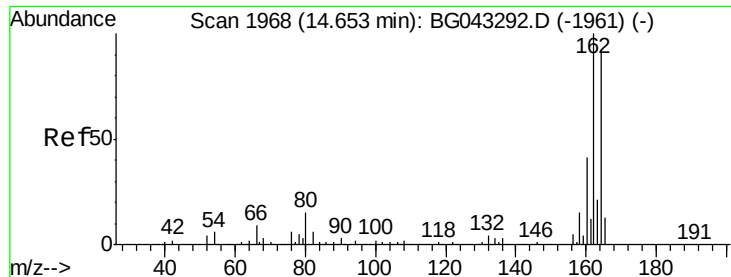
Delta R.T. -0.00 min

Lab File: BG043384.D

Acq: 29 Oct 2019 21:32

Tgt Ion:	142	Resp:	285948
Ion Ratio	Lower	Upper	
142	100		
141	98.2	72.3	108.5
116	4.4	3.8	5.6





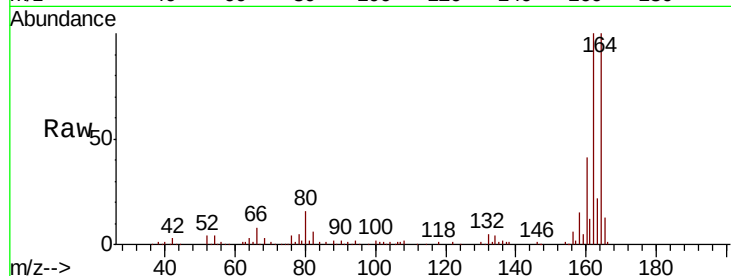
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.65 min Scan# 1968
Delta R.T. -0.00 min
Lab File: BG043384.D
Acq: 29 Oct 2019 21:32

Instrument :
BNA_G
ClientSampleId :
17-20-(0-2.5)MSD

Tot Ion	Ratio	Lower	Upper
164	100		
162	99.6	87.0	130.4
160	41.1	35.5	53.3

Manual Integrations
APPROVED

mohammad
10/30/2019 4:54:35 PM

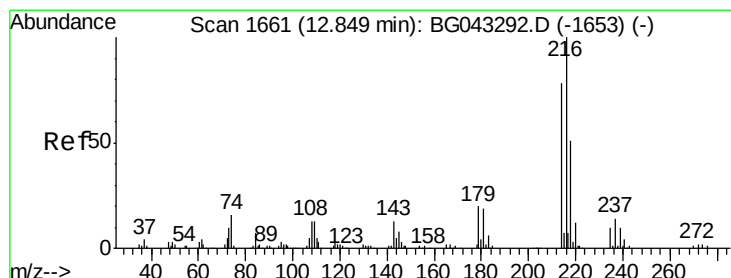
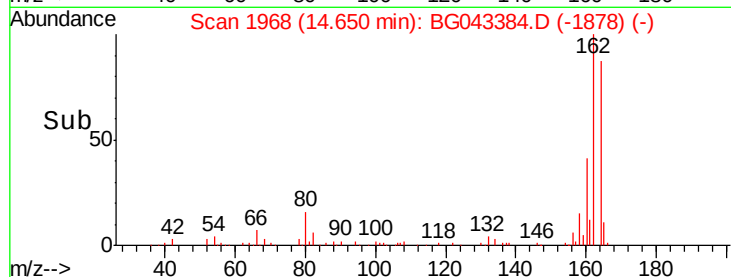
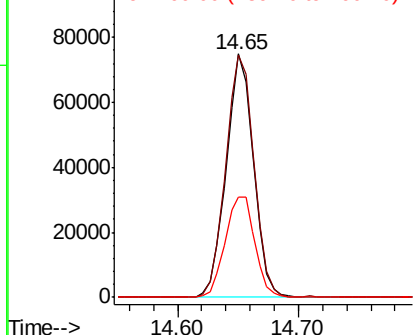


Abundance

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: 45.477 ng
RT: 12.85 min Scan# 1662
Delta R.T. 0.00 min
Lab File: BG043384.D
Acq: 29 Oct 2019 21:32

Tgt Ion	Ratio	Lower	Upper
216	100		
214	77.9	63.5	95.3
179	19.5	16.2	24.2
108	15.5	11.2	16.8

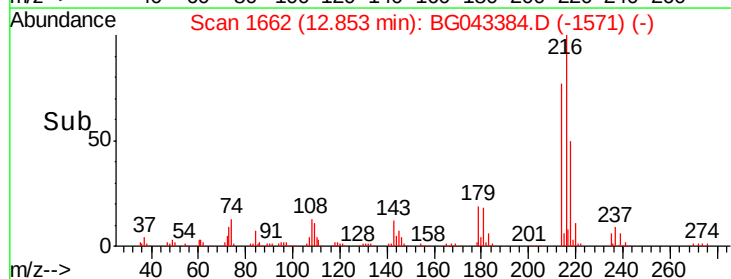
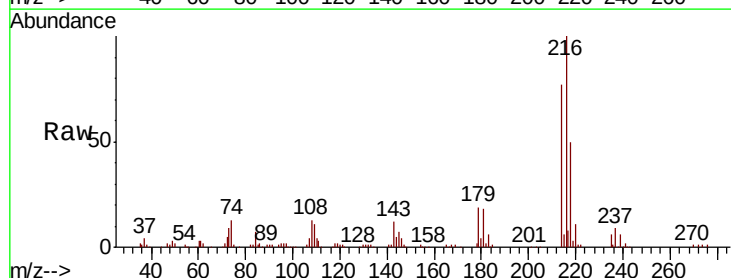
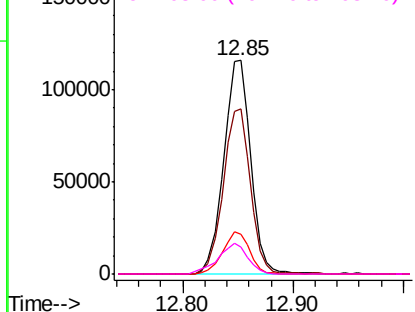
Abundance

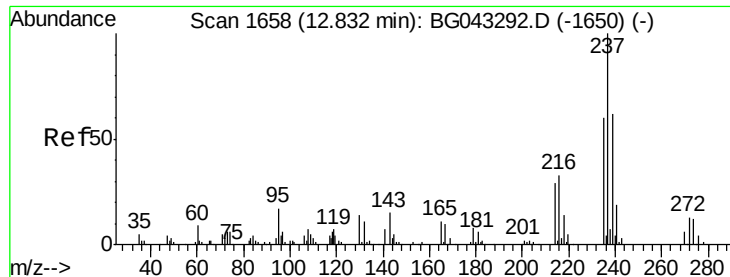
Ion 216.00 (215.70 to 216.70): E

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: 83.899 ng

RT: 12.83 min Scan# 1658

Delta R.T. -0.00 min

Lab File: BG043384.D

Acq: 29 Oct 2019 21:32

Instrument :

BNA_G

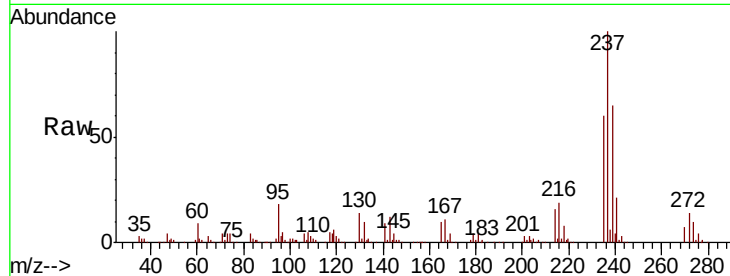
ClientSampleId :

17-20-(0-2.5)MSD

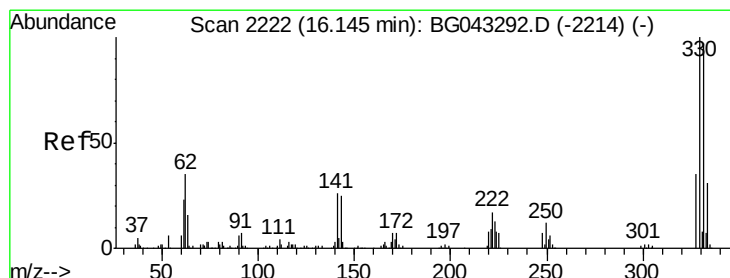
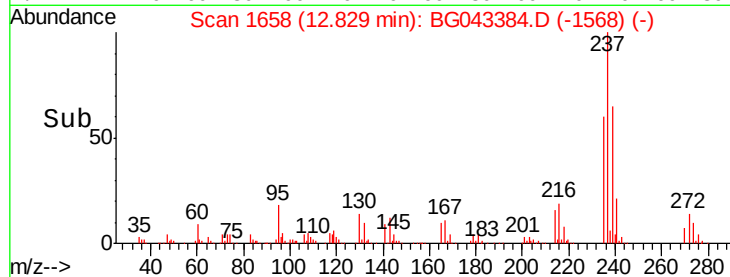
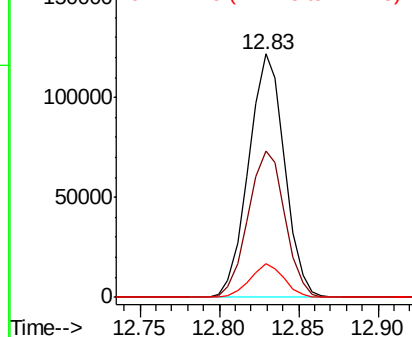
Tot Ion:	237	Resp:	191905
Ion Ratio		Lower	Upper
237	100		
235	60.3	40.3	80.3
272	14.1	0.0	32.9

Manual Integrations
APPROVED

mohammad
10/30/2019 4:54:35 PM



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: 108.157 ng

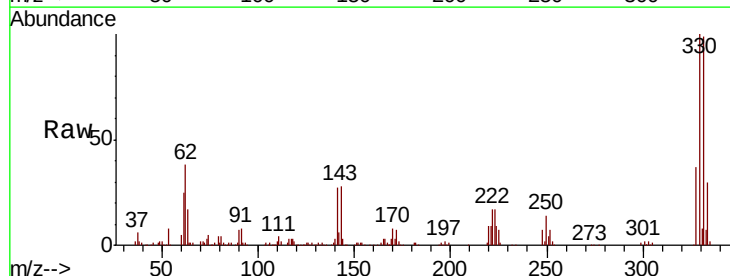
RT: 16.14 min Scan# 2222

Delta R.T. -0.00 min

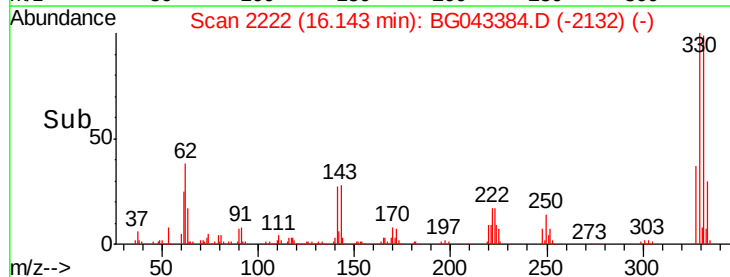
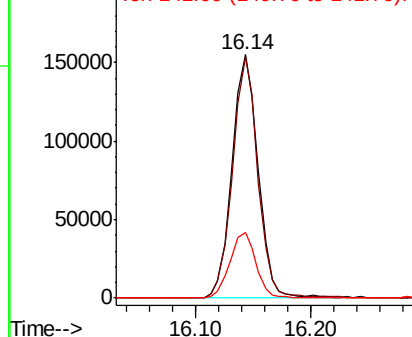
Lab File: BG043384.D

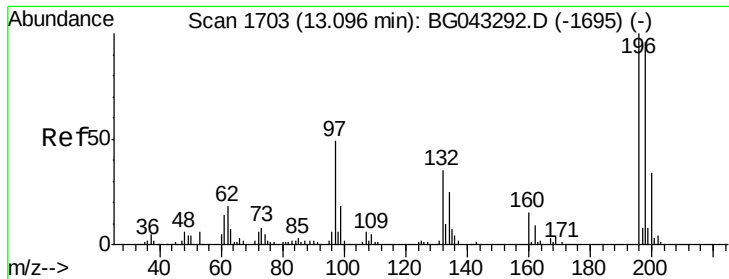
Acq: 29 Oct 2019 21:32

Tgt Ion:	330	Resp:	242165
Ion Ratio		Lower	Upper
330	100		
332	96.4	76.4	114.6
141	27.5	21.4	32.0



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





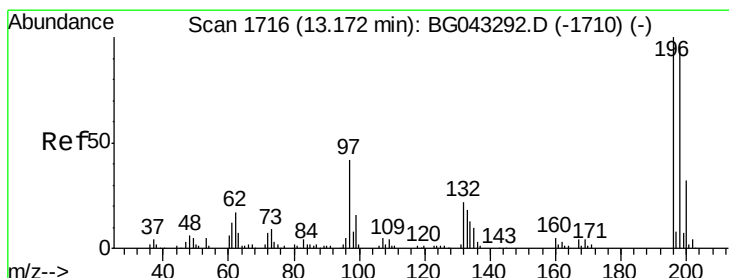
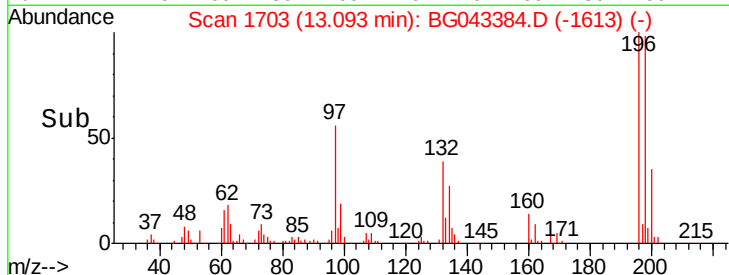
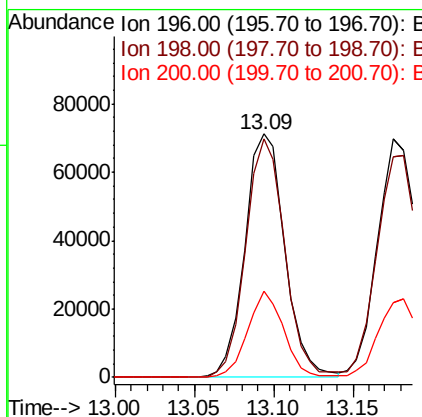
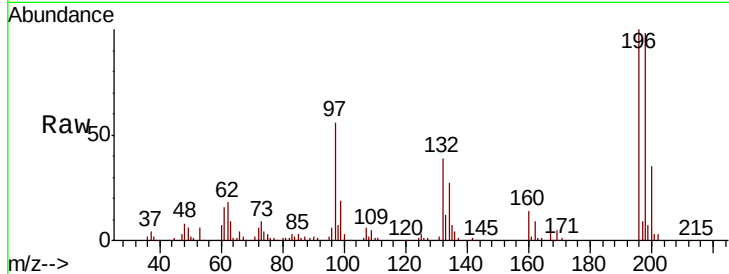
#43
 2,4,6-Trichlorophenol
 Concen: 48.762 ng
 RT: 13.09 min Scan# 1703
 Delta R.T. -0.00 min
 Lab File: BG043384.D
 Acq: 29 Oct 2019 21:32

Instrument :
 BNA_G
 ClientSampleId :
 17-20-(0-2.5)MSD

Tot Ion	Ratio	Resp	Lower	Upper
196	100	125040		
198	98.1	77.0	115.4	
200	35.3	27.4	41.2	

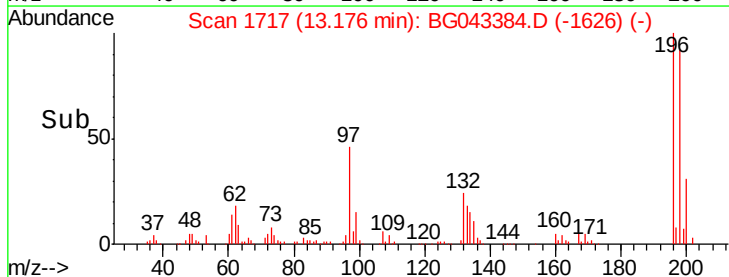
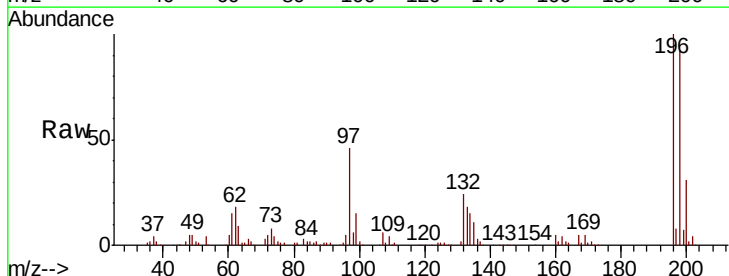
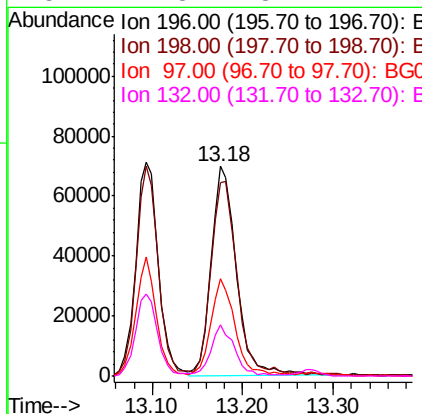
Manual Integrations
 APPROVED

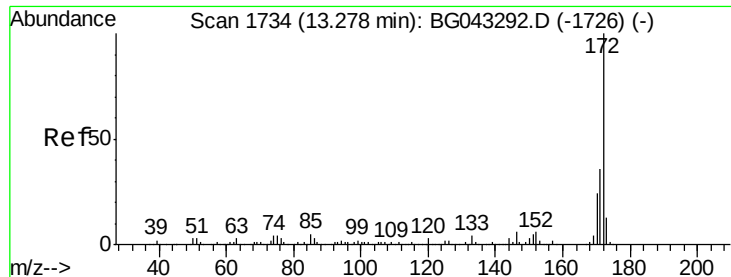
mohammad
 10/30/2019 4:54:35 PM



#44
 2,4,5-Trichlorophenol
 Concen: 51.659 ng
 RT: 13.18 min Scan# 1717
 Delta R.T. 0.00 min
 Lab File: BG043384.D
 Acq: 29 Oct 2019 21:32

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	133923		
198	92.3	76.6	114.8	
97	46.2	34.1	51.1	
132	24.3	18.2	27.4	





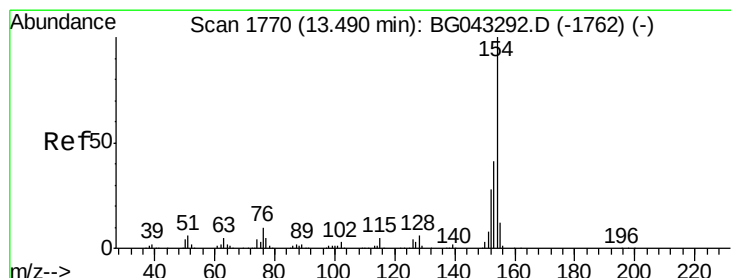
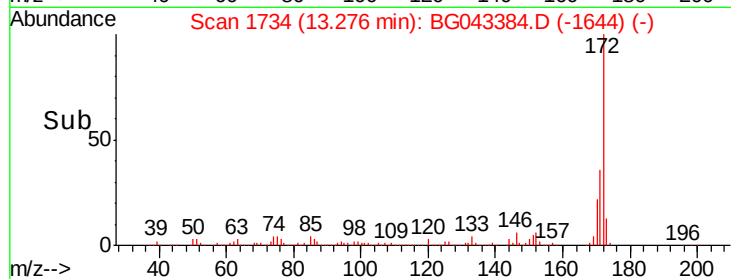
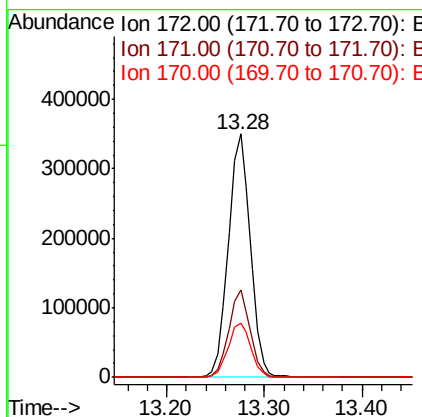
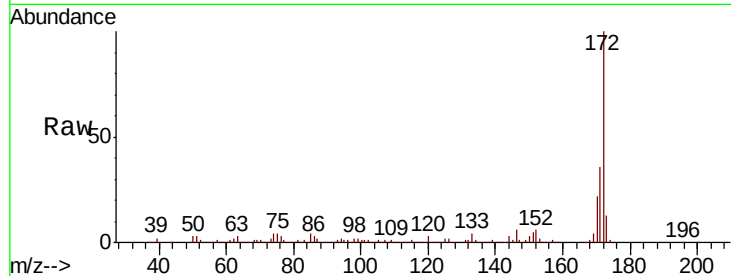
#45
2-Fluorobiphenyl
Concen: 64.346 ng
RT: 13.28 min Scan# 1734
Delta R.T. -0.00 min
Lab File: BG043384.D
Acq: 29 Oct 2019 21:32

Instrument :
BNA_G
ClientSampleId :
17-20-(0-2.5)MSD

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.1	28.5	42.7
170	22.2	18.8	28.2

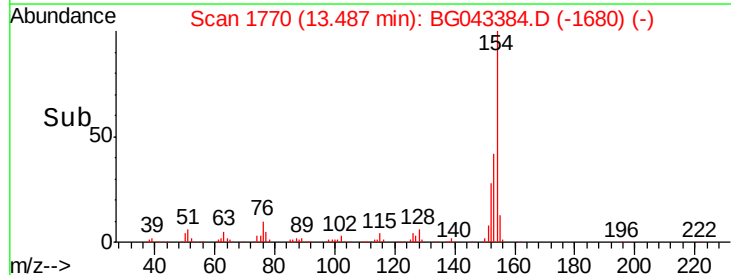
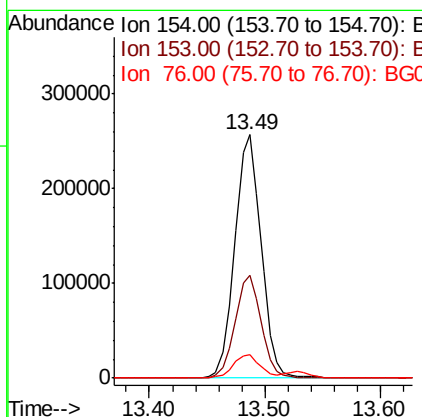
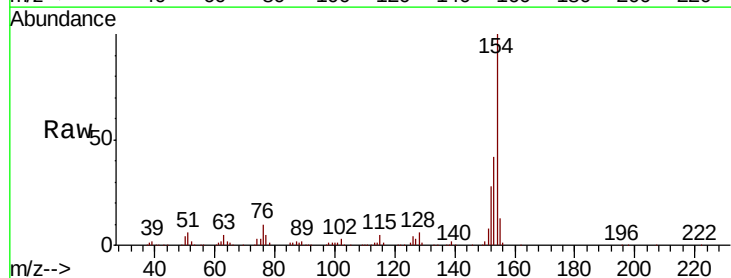
Manual Integrations
APPROVED

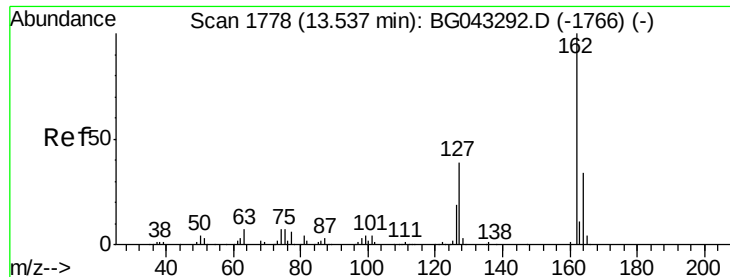
mohammad
10/30/2019 4:54:35 PM



#46
1,1'-Biphenyl
Concen: 45.183 ng
RT: 13.49 min Scan# 1770
Delta R.T. -0.00 min
Lab File: BG043384.D
Acq: 29 Oct 2019 21:32

Tgt Ion	Ratio	Lower	Upper
154	100		
153	42.4	21.0	61.0
76	9.6	0.0	29.8





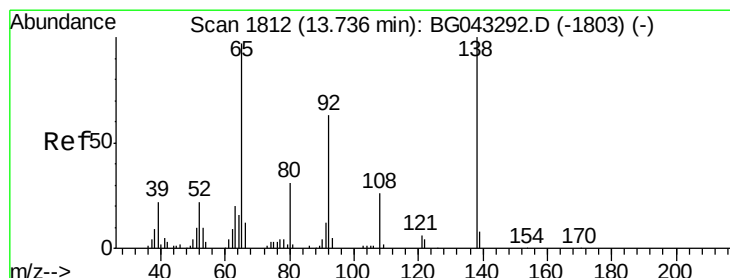
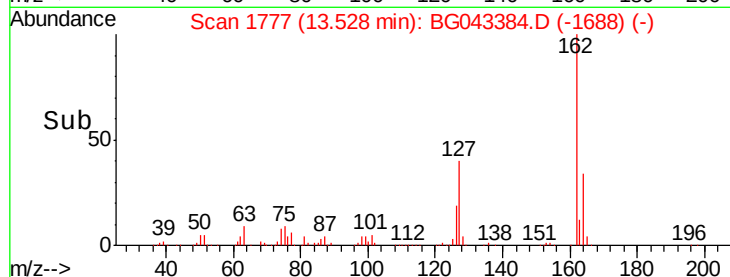
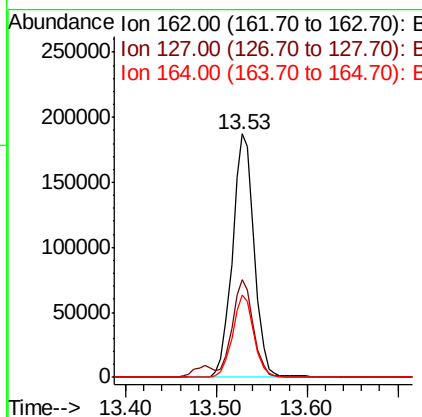
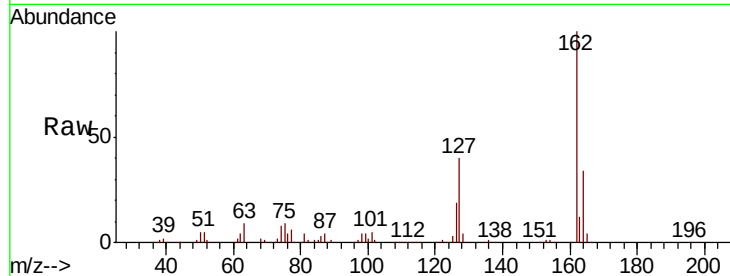
#47
2-Chloronaphthalene
Concen: 45.957 ng
RT: 13.53 min Scan# 1777
Delta R.T. -0.01 min
Lab File: BG043384.D
Acq: 29 Oct 2019 21:32

Instrument :
BNA_G
ClientSampleId :
17-20-(0-2.5)MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
162	100		312982		
127	40.4	31.3	46.9		
164	33.9	26.8	40.2		

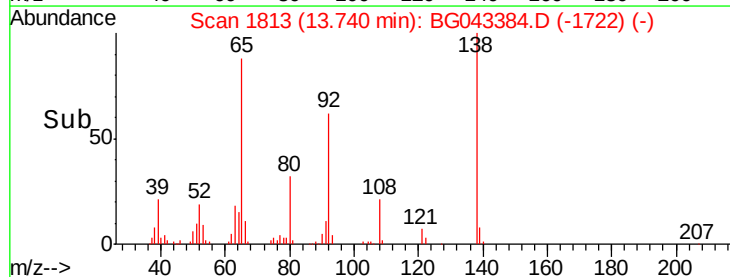
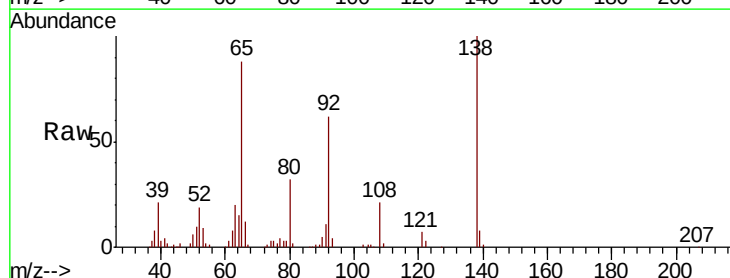
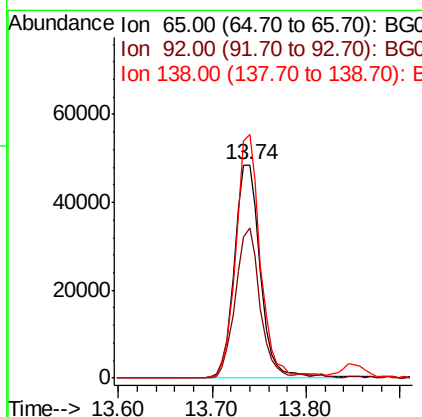
Manual Integrations
APPROVED

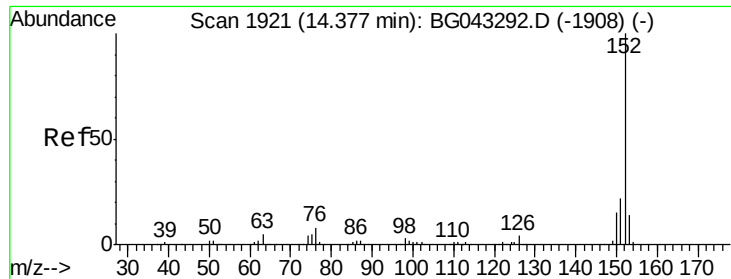
mohammad
10/30/2019 4:54:35 PM



#48
2-Nitroaniline
Concen: 45.806 ng
RT: 13.74 min Scan# 1813
Delta R.T. 0.00 min
Lab File: BG043384.D
Acq: 29 Oct 2019 21:32

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
65	100		93237		
92	70.3	52.6	79.0		
138	114.0	82.9	124.3		





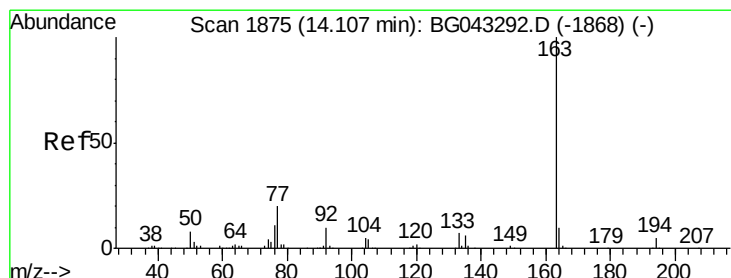
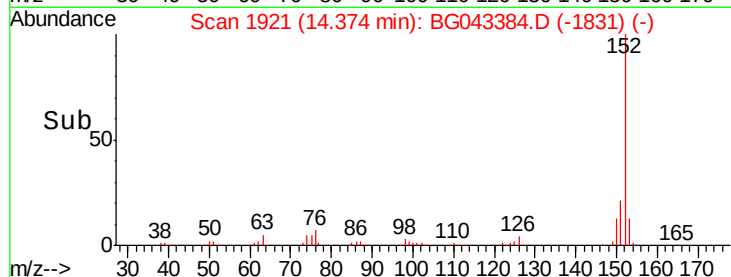
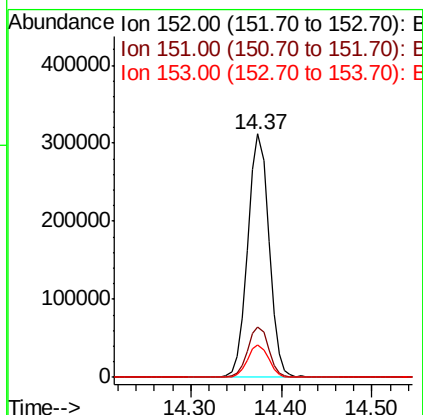
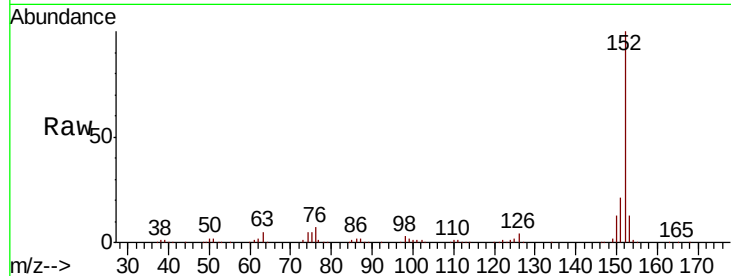
#49
Acenaphthylene
Concen: 47.925 ng
RT: 14.37 min Scan# 1921
Delta R.T. -0.00 min
Lab File: BG043384.D
Acq: 29 Oct 2019 21:32

Instrument :
BNA_G
ClientSampleId :
17-20-(0-2.5)MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
152	100		507967		
151	20.6	17.2	25.8		
153	13.2	11.0	16.6		

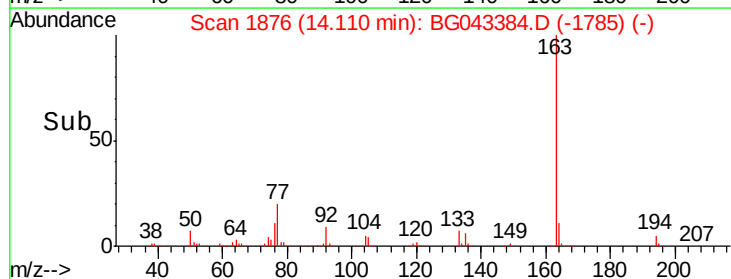
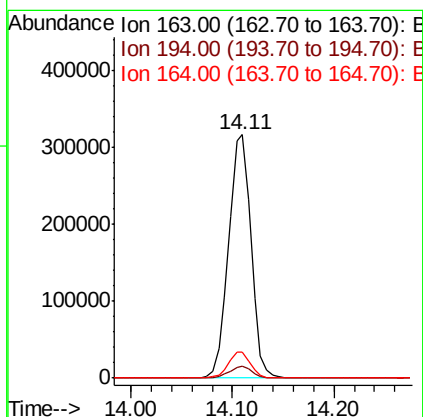
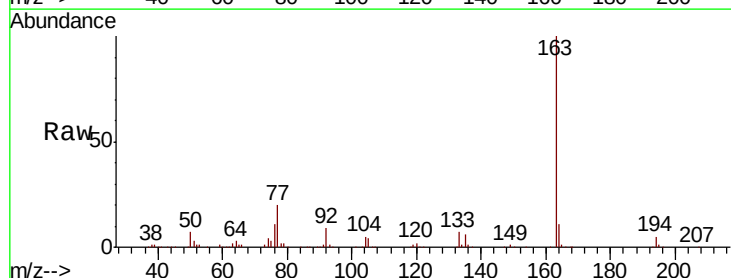
Manual Integrations
APPROVED

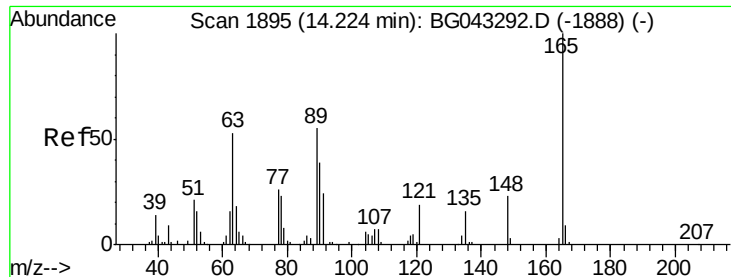
mohammad
10/30/2019 4:54:35 PM



#50
Dimethylphthalate
Concen: 53.411 ng
RT: 14.11 min Scan# 1876
Delta R.T. 0.00 min
Lab File: BG043384.D
Acq: 29 Oct 2019 21:32

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
163	100		486753		
194	4.7	3.7	5.5		
164	10.7	8.1	12.1		





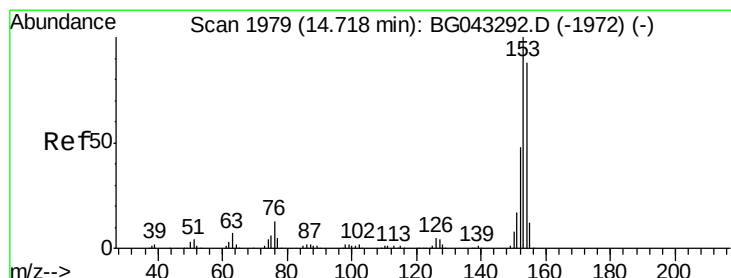
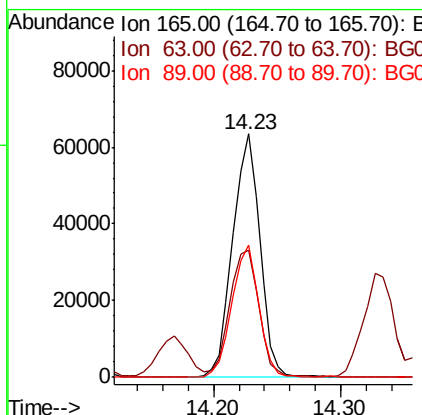
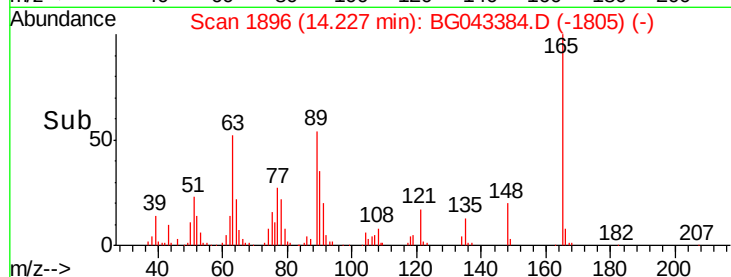
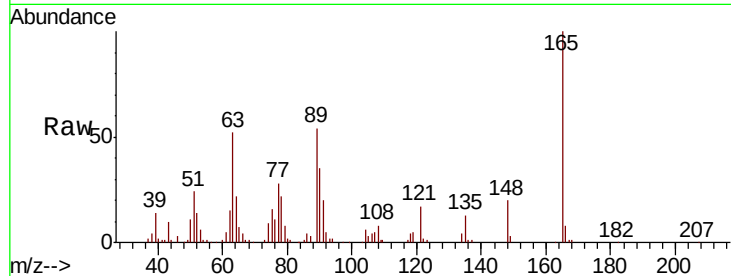
#51
 2,6-Dinitrotoluene
 Concen: 47.759 ng
 RT: 14.23 min Scan# 1896
 Delta R.T. 0.00 min
 Lab File: BG043384.D
 Acq: 29 Oct 2019 21:32

Instrument :
 BNA_G
 ClientSampleId :
 17-20-(0-2.5)MSD

Tot Ion	Ratio	Lower	Upper
165	100		
63	52.5	47.1	70.7
89	54.5	43.7	65.5

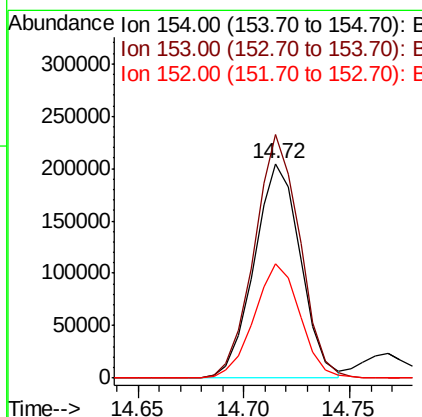
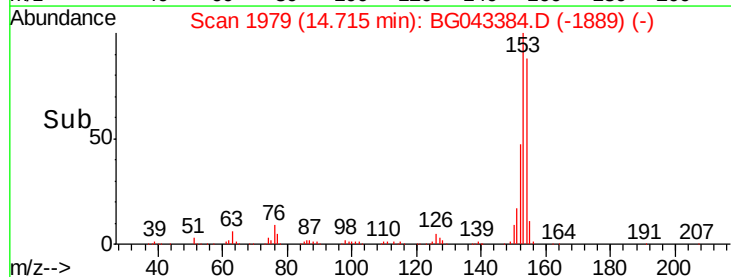
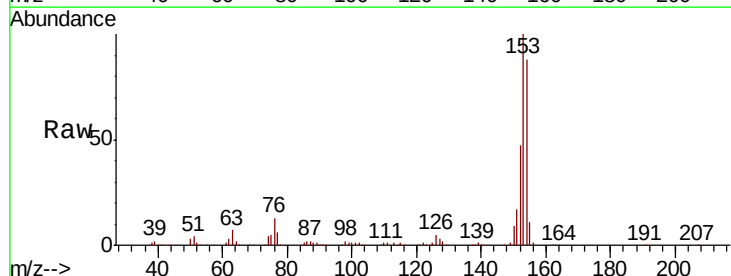
Manual Integrations
 APPROVED

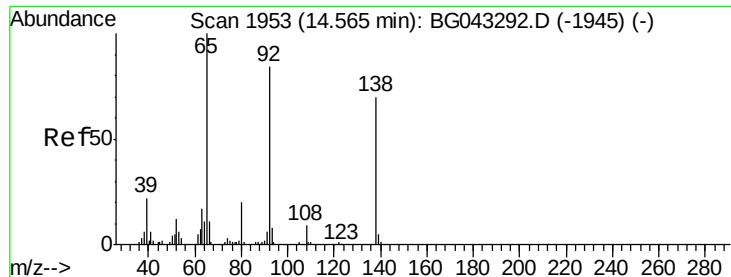
mohammad
 10/30/2019 4:54:35 PM



#52
 Acenaphthene
 Concen: 48.292 ng
 RT: 14.72 min Scan# 1979
 Delta R.T. -0.00 min
 Lab File: BG043384.D
 Acq: 29 Oct 2019 21:32

Tgt Ion	Ratio	Lower	Upper
154	100		
153	113.6	90.9	136.3
152	53.3	43.9	65.9





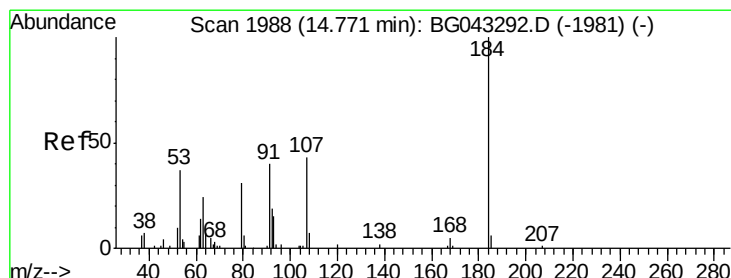
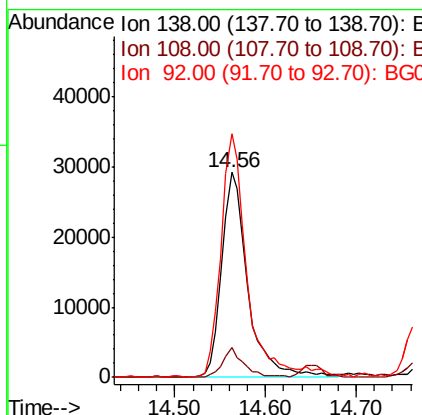
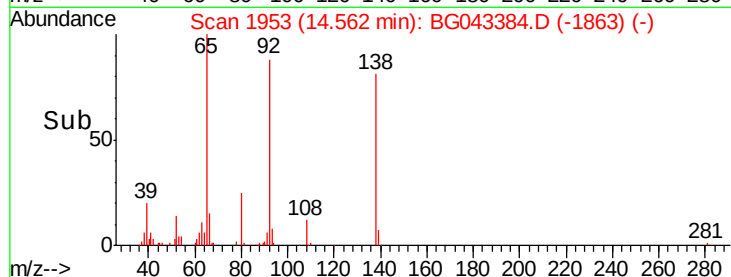
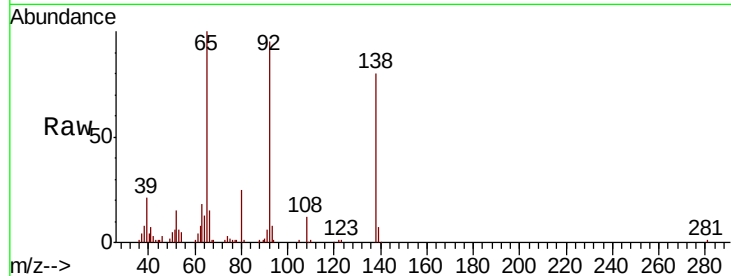
#53
 3-Nitroaniline
 Concen: 30.556 ng
 RT: 14.56 min Scan# 1953
 Delta R.T. -0.00 min
 Lab File: BG043384.D
 Acq: 29 Oct 2019 21:32

Instrument :
 BNA_G
 ClientSampleId :
 17-20-(0-2.5)MSD

Tot Ion	Ratio	Lower	Upper
138	100		
108	14.4	9.8	14.6
92	118.7	95.8	143.6

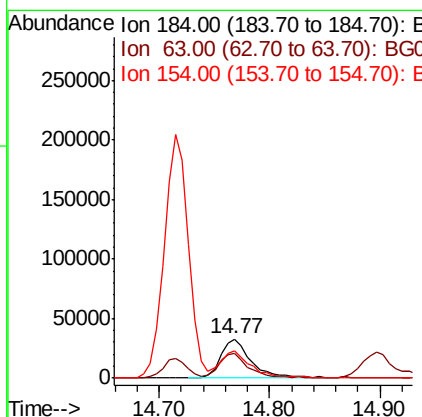
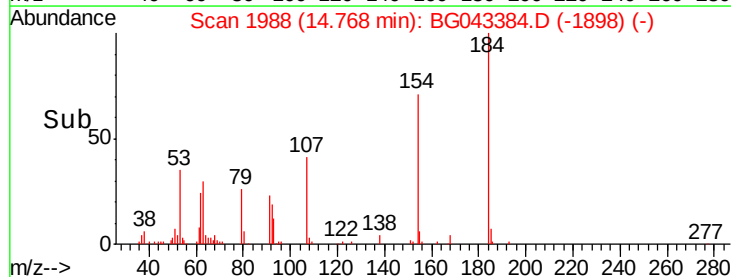
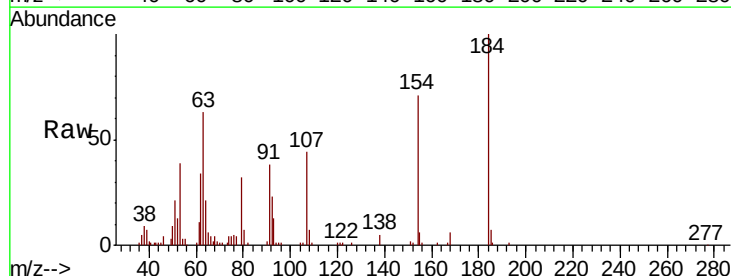
Manual Integrations
 APPROVED

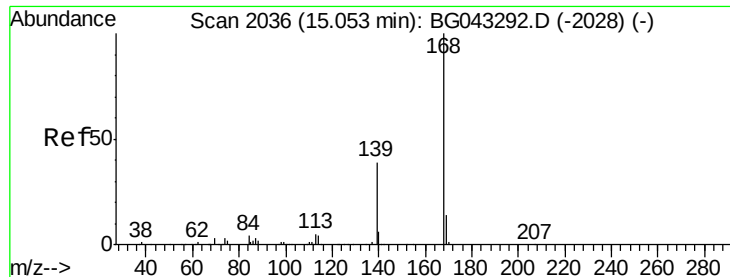
mohammad
 10/30/2019 4:54:35 PM



#54
 2,4-Dinitrophenol
 Concen: 53.651 ng
 RT: 14.77 min Scan# 1988
 Delta R.T. -0.00 min
 Lab File: BG043384.D
 Acq: 29 Oct 2019 21:32

Tgt Ion	Ratio	Lower	Upper
184	100		
63	62.7	48.8	73.2
154	71.1	49.4	74.0





#55

Dibenzenofuran

Concen: 47.827 ng

RT: 15.05 min Scan# 2036

Delta R.T. -0.00 min

Lab File: BG043384.D

Acq: 29 Oct 2019 21:32

Instrument :

BNA_G

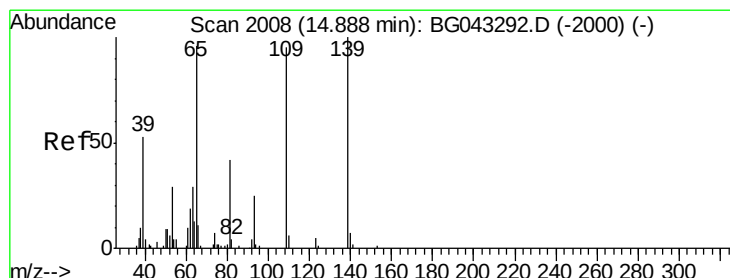
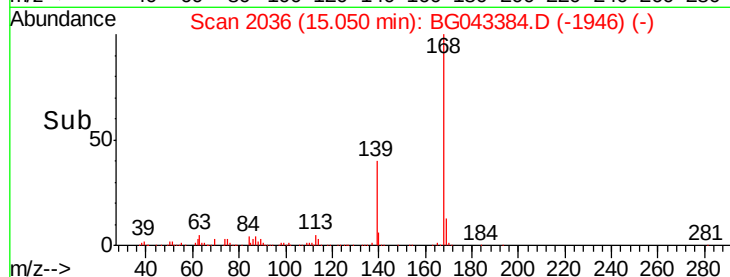
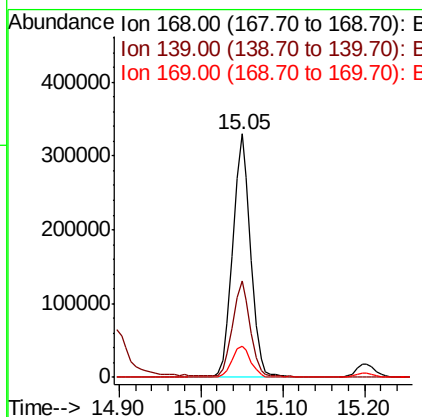
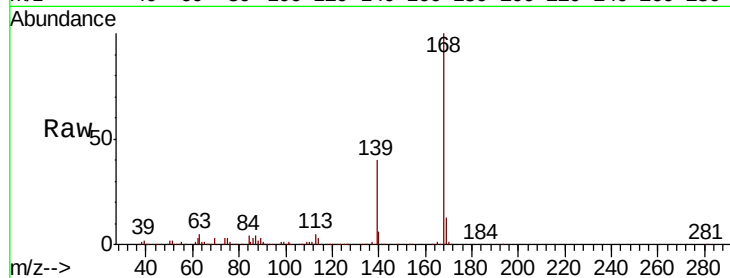
ClientSampleId :

17-20-(0-2.5)MSD

Tot Ion:	168	Resp:	501330
Ion Ratio	Lower	Upper	
168	100		
139	39.6	31.7	47.5
169	13.1	11.0	16.4

Manual Integrations
APPROVED

mohammad
10/30/2019 4:54:35 PM



#56

4-Nitrophenol

Concen: 107.755 ng

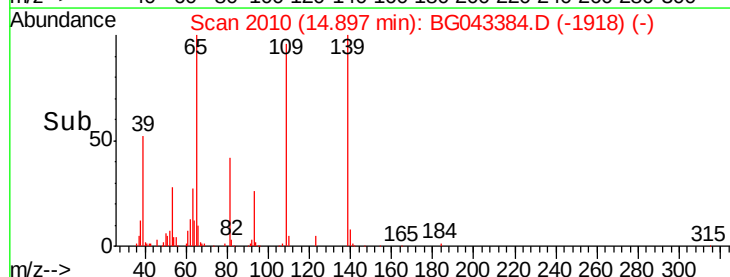
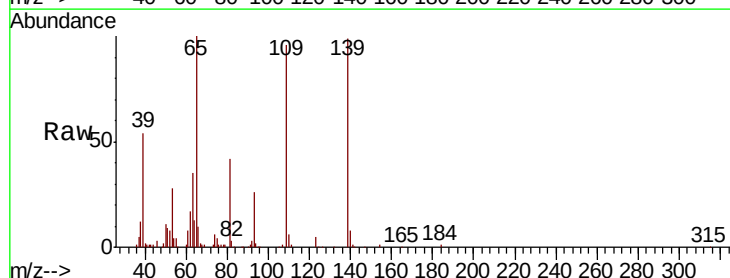
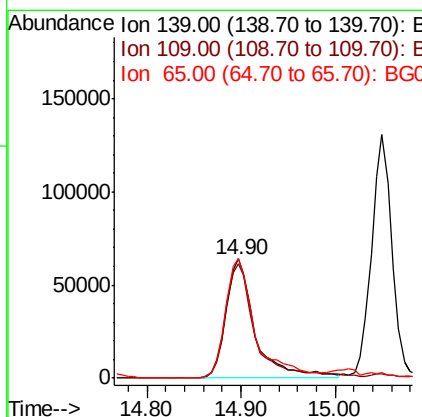
RT: 14.90 min Scan# 2010

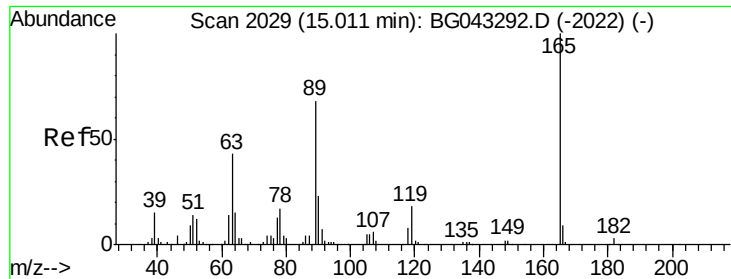
Delta R.T. 0.01 min

Lab File: BG043384.D

Acq: 29 Oct 2019 21:32

Tgt Ion:	139	Resp:	138030
Ion Ratio	Lower	Upper	
139	100		
109	96.5	75.4	115.4
65	100.7	76.6	116.6





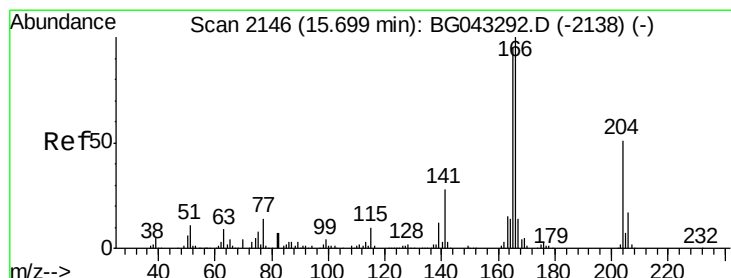
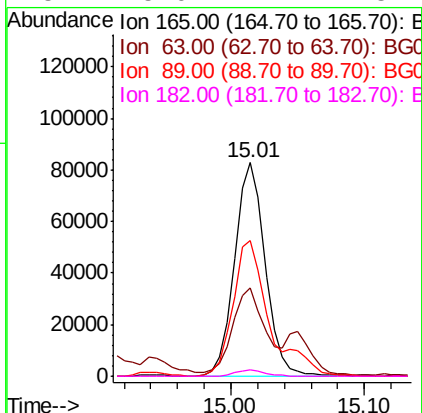
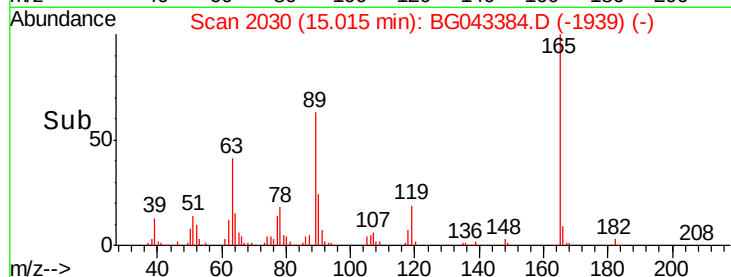
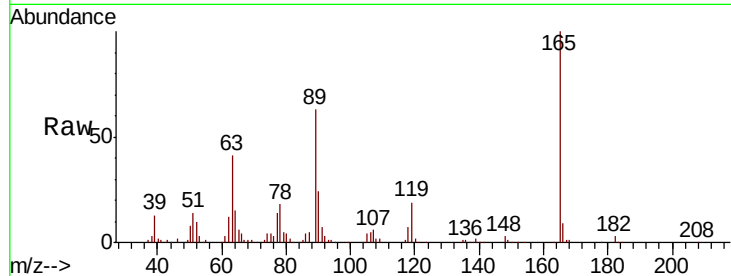
#57
2,4-Dinitrotoluene
Concen: 46.493 ng
RT: 15.01 min Scan# 2030
Delta R.T. 0.00 min
Lab File: BG043384.D
Acq: 29 Oct 2019 21:32

Instrument :
BNA_G
ClientSampleId :
17-20-(0-2.5)MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
165	100		131549		
63	41.2	35.0	52.6		
89	63.3	54.1	81.1		
182	3.0	2.2	3.2		

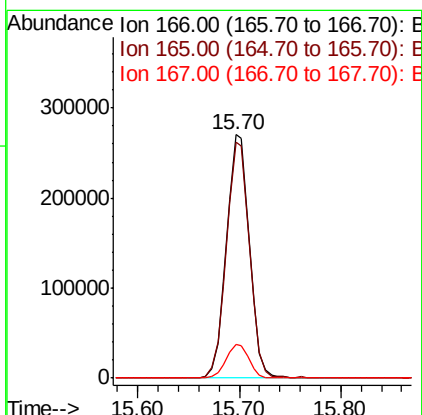
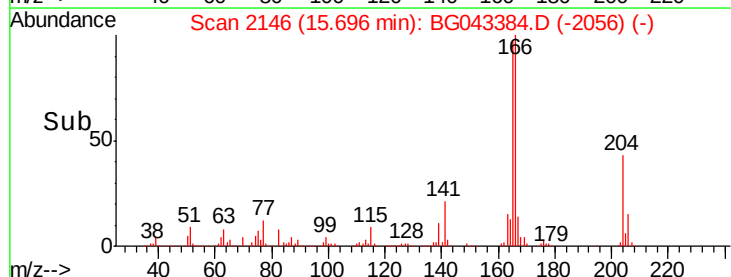
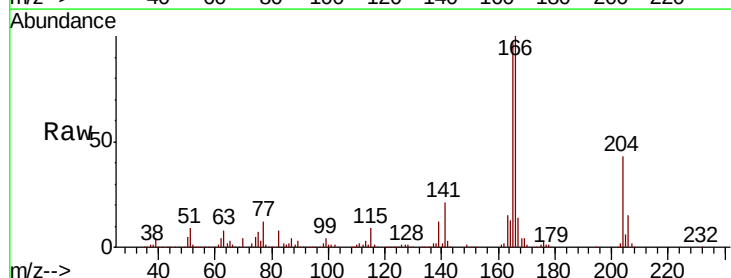
Manual Integrations
APPROVED

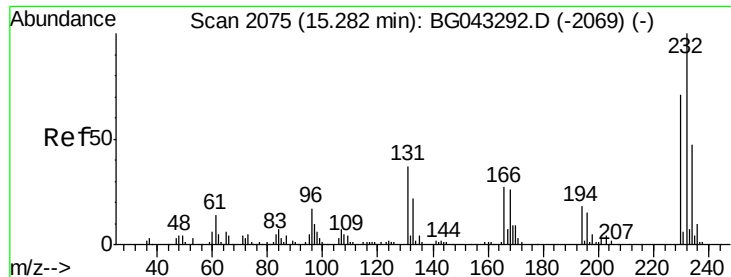
mohammad
10/30/2019 4:54:35 PM



#58
Fluorene
Concen: 48.302 ng
RT: 15.70 min Scan# 2146
Delta R.T. -0.00 min
Lab File: BG043384.D
Acq: 29 Oct 2019 21:32

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
166	100		424645		
165	96.8	76.4	114.6		
167	13.8	11.1	16.7		





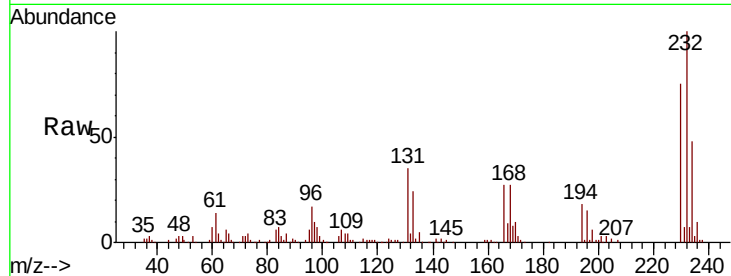
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 50.210 ng
 RT: 15.28 min Scan# 2076
 Delta R.T. 0.00 min
 Lab File: BG043384.D
 Acq: 29 Oct 2019 21:32

Instrument :
 BNA_G
 ClientSampleId :
 17-20-(0-2.5)MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
232	100				
131	34.3	28.7	43.1		
130	1.6	0.6	0.8		
166	27.7	21.1	31.7		

Manual Integrations
 APPROVED

mohammad
 10/30/2019 4:54:35 PM



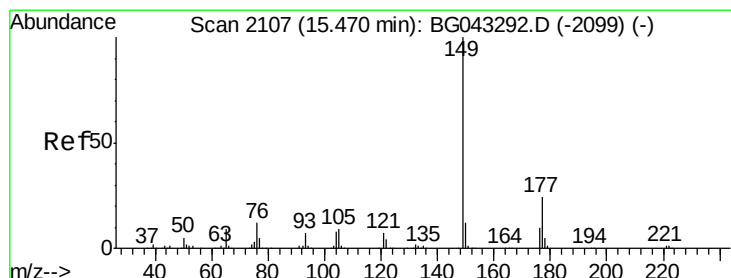
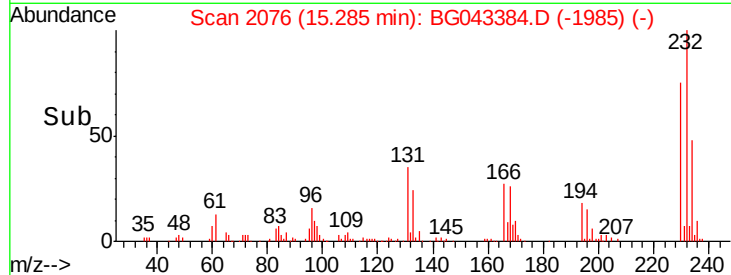
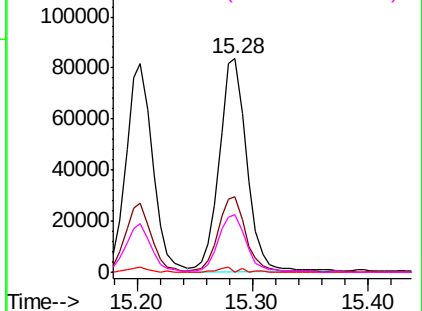
Abundance

Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E



#60
 Diethylphthalate
 Concen: 44.415 ng
 RT: 15.47 min Scan# 2107
 Delta R.T. -0.00 min
 Lab File: BG043384.D
 Acq: 29 Oct 2019 21:32

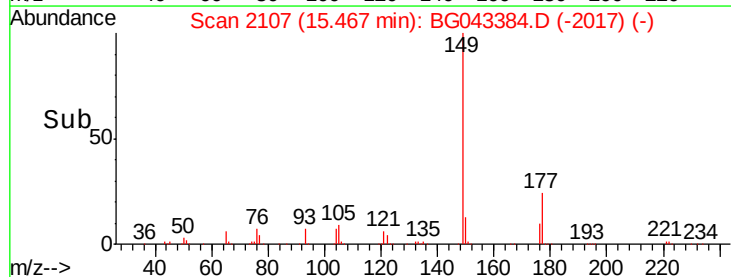
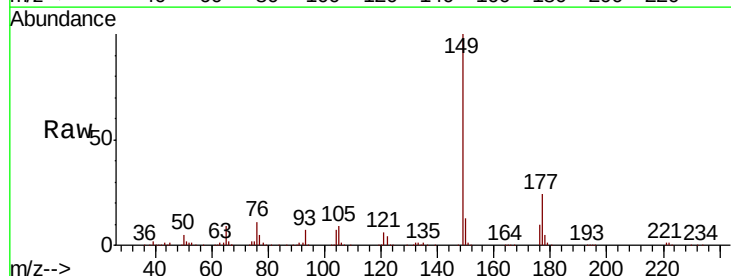
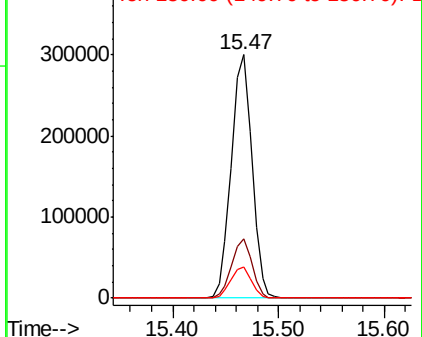
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
149	100				
177	24.4	19.0	28.4		
150	13.0	9.4	14.0		

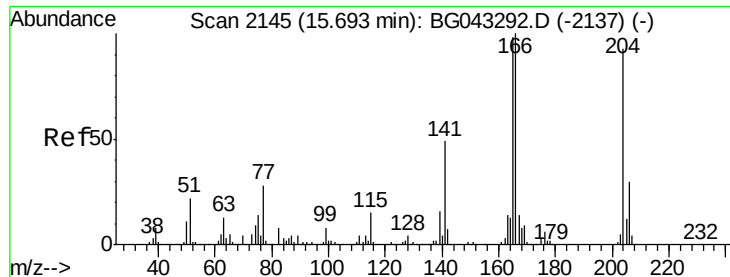
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E





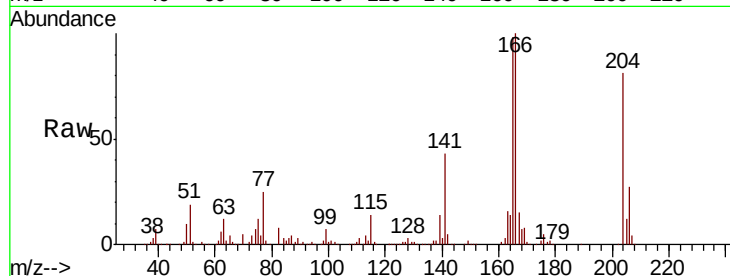
#61
4-Chlorophenyl-phenylether
Concen: 45.531 ng
RT: 15.69 min Scan# 2145
Delta R.T. -0.00 min
Lab File: BG043384.D
Acq: 29 Oct 2019 21:32

Instrument :
BNA_G
ClientSampleId :
17-20-(0-2.5)MSD

Tot Ion	Ratio	Lower	Upper
204	100		
206	33.0	25.7	38.5
141	53.0	42.3	63.5

Manual Integrations
APPROVED

mohammad
10/30/2019 4:54:35 PM

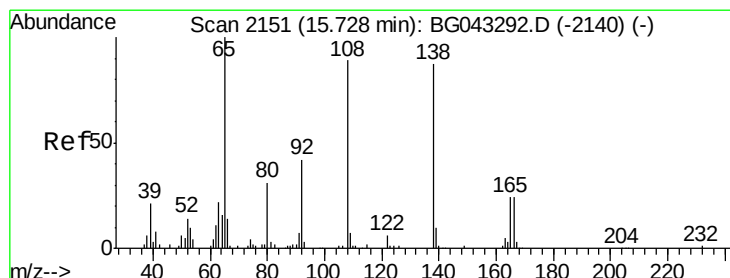
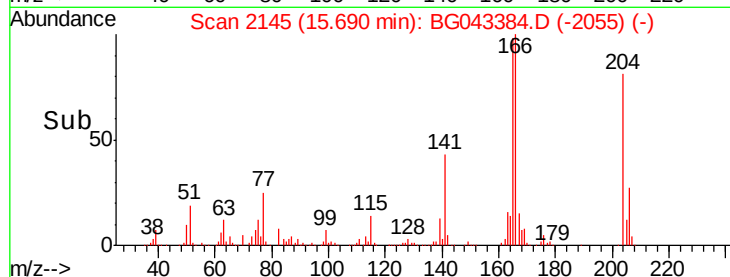
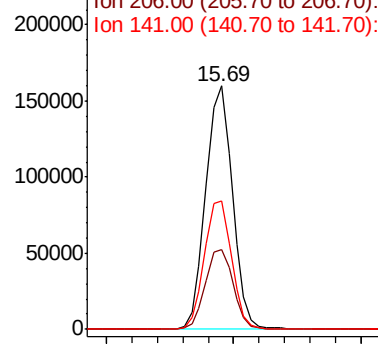


Abundance

Ion 204.00 (203.70 to 204.70): E

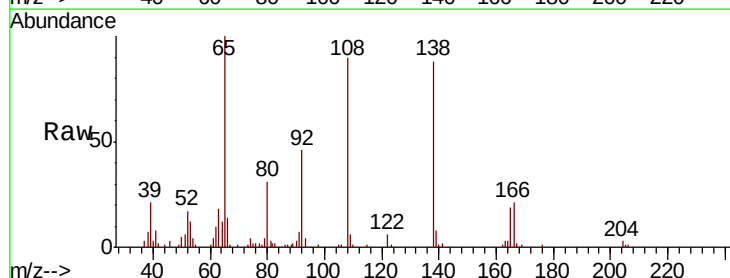
Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E



#62
4-Nitroaniline
Concen: 41.393 ng
RT: 15.73 min Scan# 2151
Delta R.T. -0.00 min
Lab File: BG043384.D
Acq: 29 Oct 2019 21:32

Tgt Ion	Ratio	Lower	Upper
138	100		
92	52.3	28.8	68.8
108	102.9	82.7	122.7

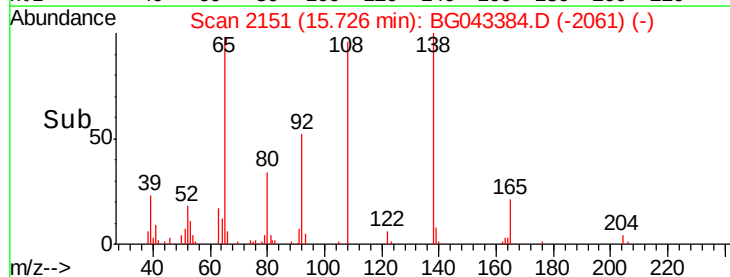
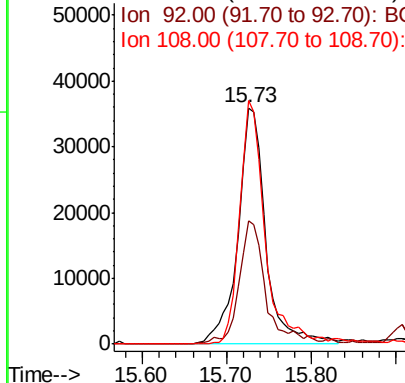


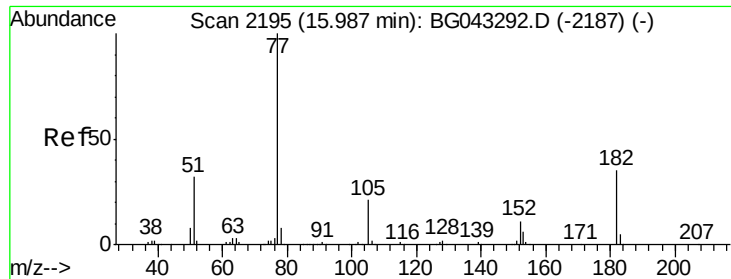
Abundance

Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BG

Ion 108.00 (107.70 to 108.70): E





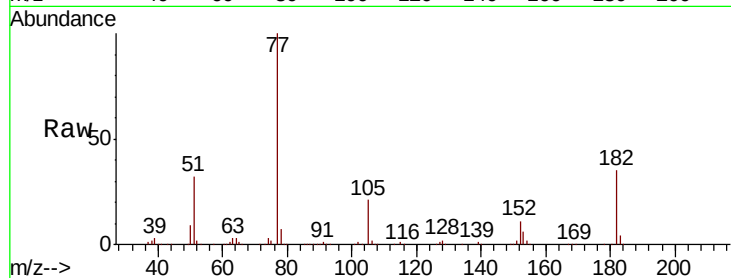
#63
Azobenzene
Concen: 46.369 ng
RT: 15.98 min Scan# 2195
Delta R.T. -0.00 min
Lab File: BG043384.D
Acq: 29 Oct 2019 21:32

Instrument :
BNA_G
ClientSampleId :
17-20-(0-2.5)MSD

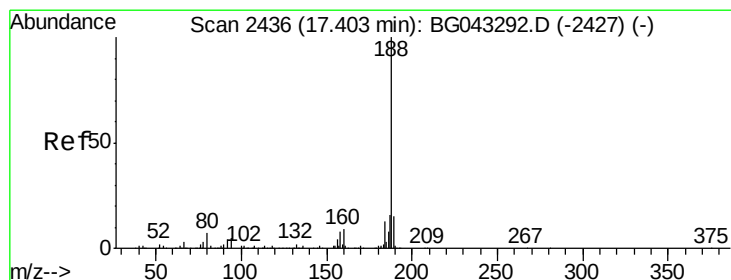
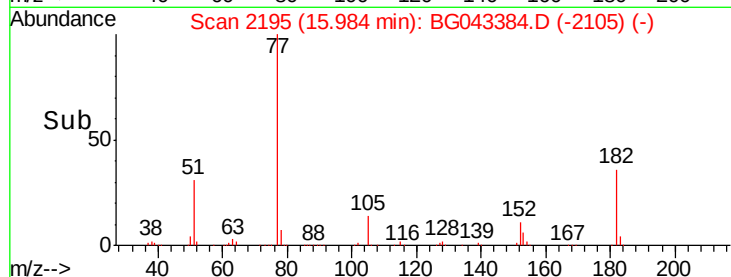
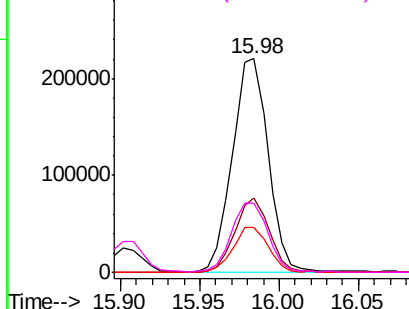
Tot Ion	Ion	Ratio	Lower	Upper
77	100			
182	34.5	14.9	54.9	
105	20.8	0.6	40.6	
51	32.2	12.5	52.5	

Manual Integrations
APPROVED

mohammad
10/30/2019 4:54:35 PM



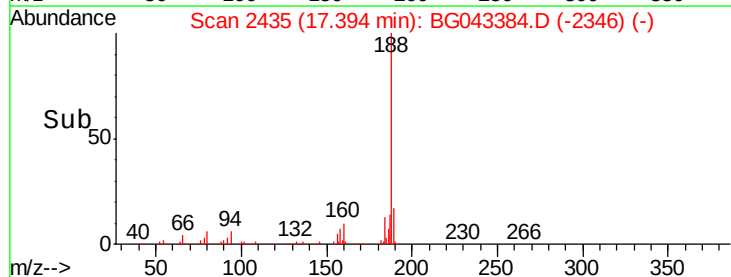
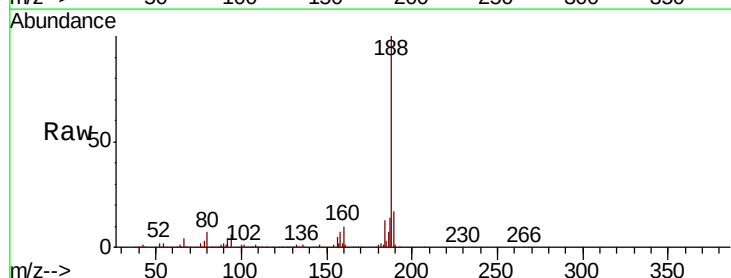
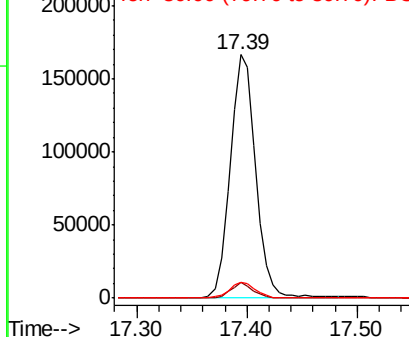
Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 182.00 (181.70 to 182.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 51.00 (50.70 to 51.70): BGC

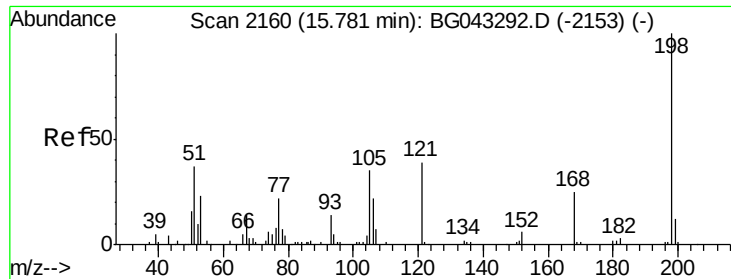


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.39 min Scan# 2435
Delta R.T. -0.01 min
Lab File: BG043384.D
Acq: 29 Oct 2019 21:32

Tgt Ion	Ion	Ratio	Lower	Upper
188	100			
94	6.5	4.2	6.2#	
80	6.6	5.2	7.8	

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





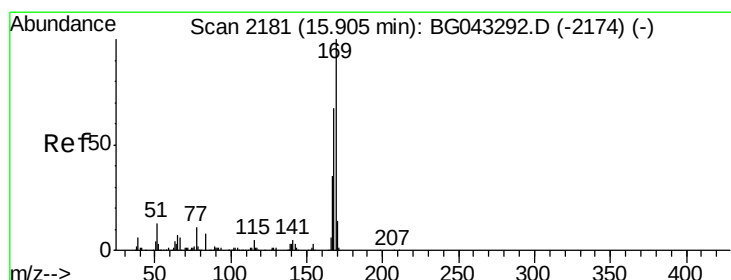
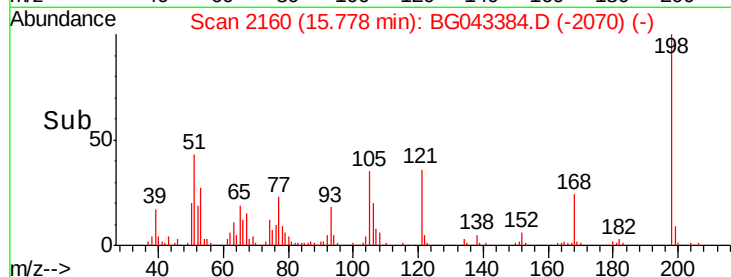
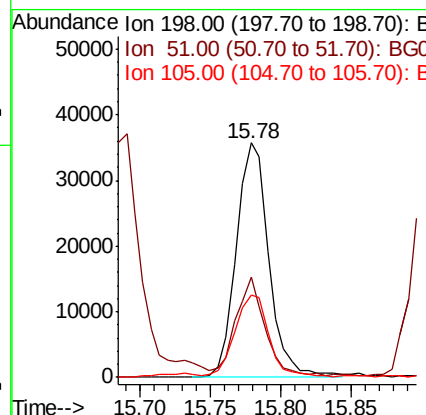
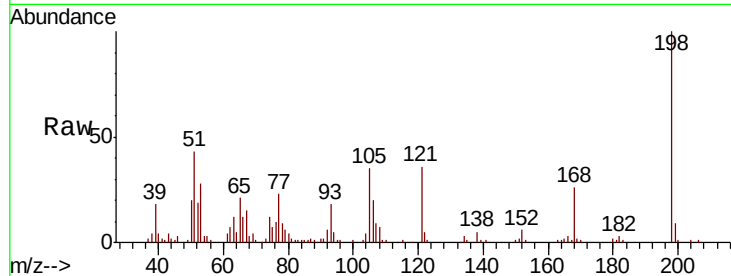
#65
 4,6-Dinitro-2-methylphenol
 Concen: 36.353 ng
 RT: 15.78 min Scan# 2160
 Delta R.T. -0.00 min
 Lab File: BG043384.D
 Acq: 29 Oct 2019 21:32

Instrument :
 BNA_G
 ClientSampleId :
 17-20-(0-2.5)MSD

Tot Ion	Ratio	Lower	Upper
198	100		
51	43.0	21.4	61.4
105	34.9	16.5	56.5

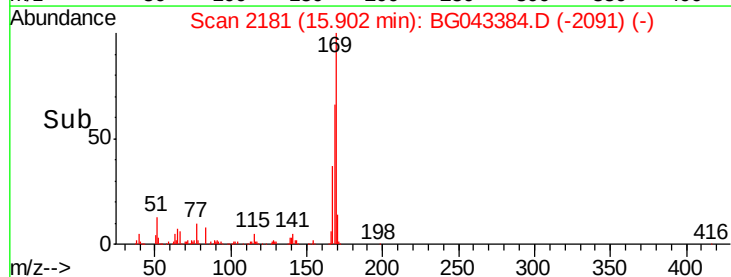
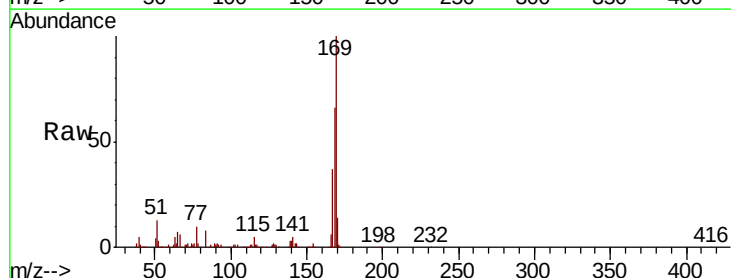
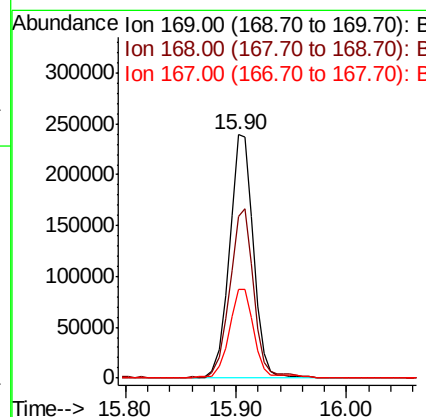
Manual Integrations
 APPROVED

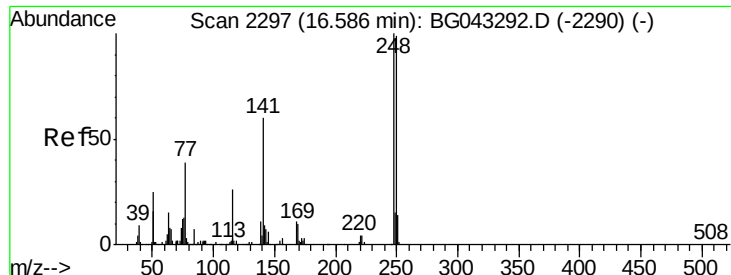
mohammad
 10/30/2019 4:54:35 PM



#66
 n-Nitrosodiphenylamine
 Concen: 47.799 ng
 RT: 15.90 min Scan# 2181
 Delta R.T. -0.00 min
 Lab File: BG043384.D
 Acq: 29 Oct 2019 21:32

Tgt Ion	Ratio	Lower	Upper
169	100		
168	66.4	53.9	80.9
167	36.6	28.3	42.5





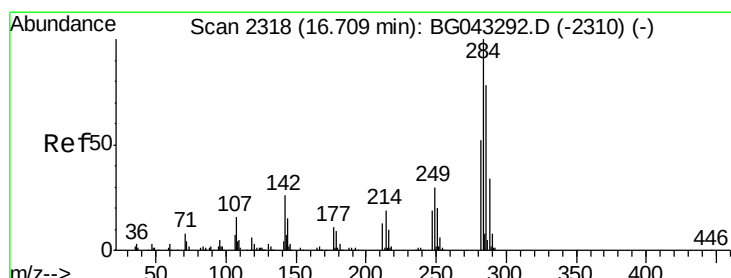
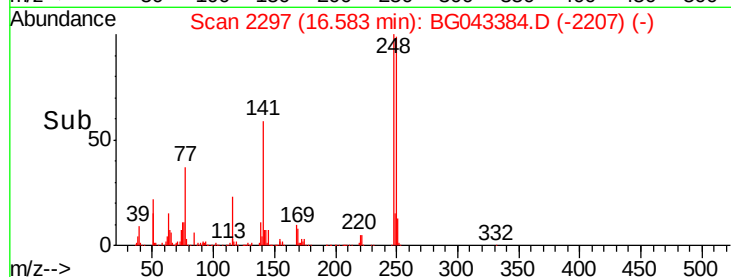
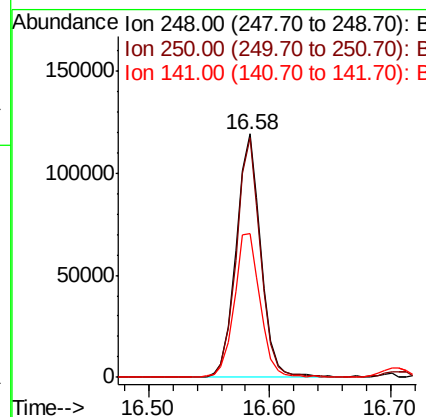
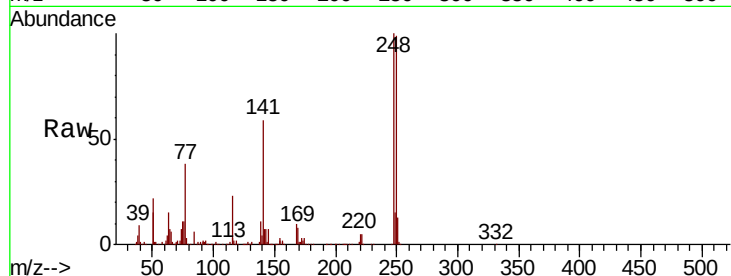
#67
4-Bromophenyl-phenylether
Concen: 46.683 ng
RT: 16.58 min Scan# 2297
Delta R.T. -0.00 min
Lab File: BG043384.D
Acq: 29 Oct 2019 21:32

Instrument :
BNA_G
ClientSampleId :
17-20-(0-2.5)MSD

Tot Ion	Ratio	Lower	Upper
248	100		
250	98.7	79.3	118.9
141	59.0	47.9	71.9

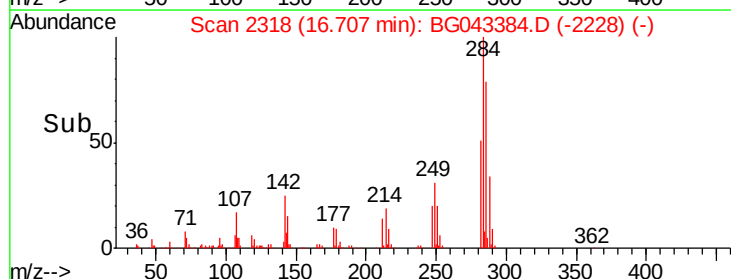
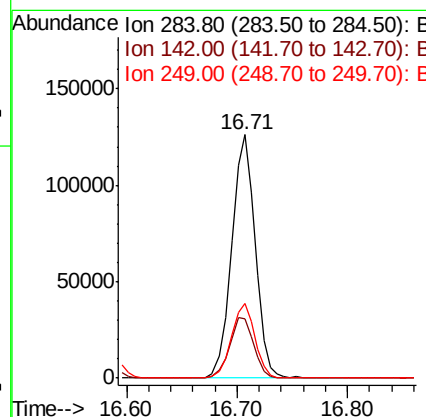
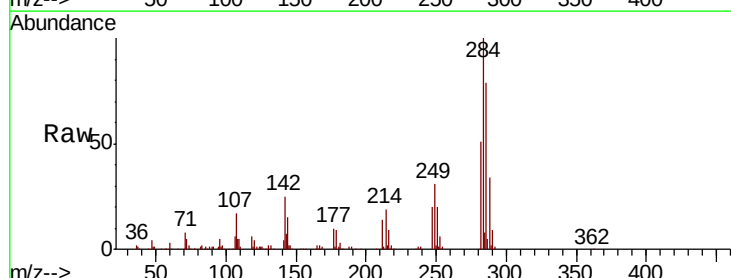
Manual Integrations
APPROVED

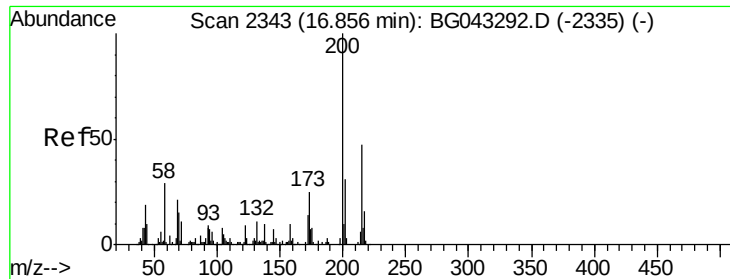
mohammad
10/30/2019 4:54:35 PM



#68
Hexachlorobenzene
Concen: 45.172 ng
RT: 16.71 min Scan# 2318
Delta R.T. -0.00 min
Lab File: BG043384.D
Acq: 29 Oct 2019 21:32

Tgt Ion	Ratio	Lower	Upper
284	100		
142	24.6	21.1	31.7
249	30.6	24.4	36.6





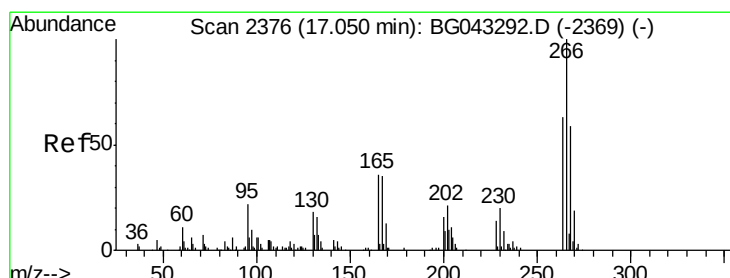
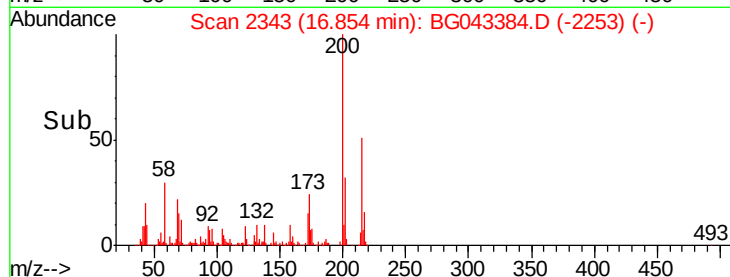
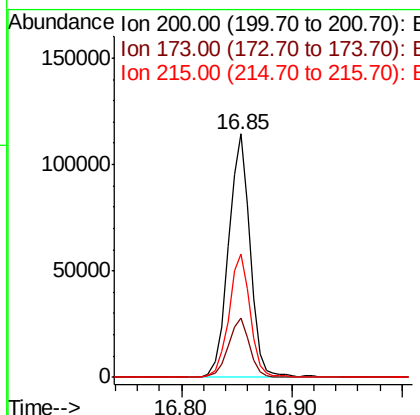
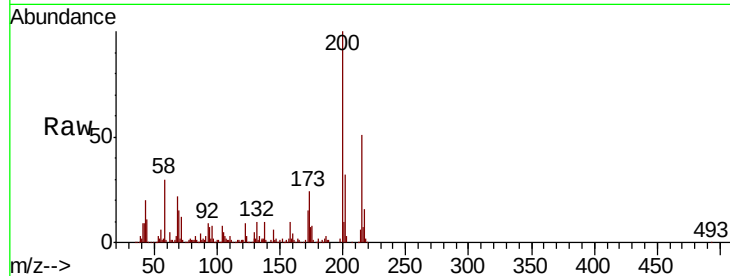
#69
Atrazine
Concen: 59.456 ng
RT: 16.85 min Scan# 2343
Delta R.T. -0.00 min
Lab File: BG043384.D
Acq: 29 Oct 2019 21:32

Instrument :
BNA_G
ClientSampleId :
17-20-(0-2.5)MSD

Tot Ion	Ratio	Resp	Lower	Upper
200	100			
173	24.4	5.1	45.1	
215	50.9	26.6	66.6	

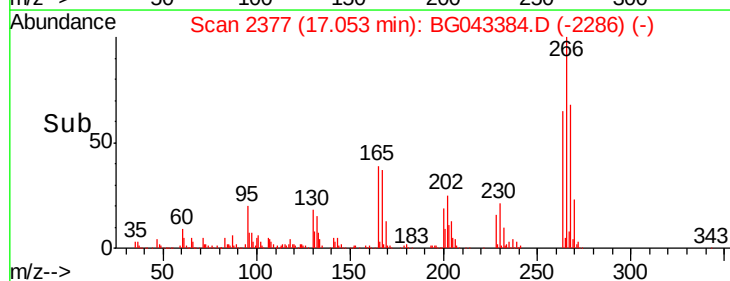
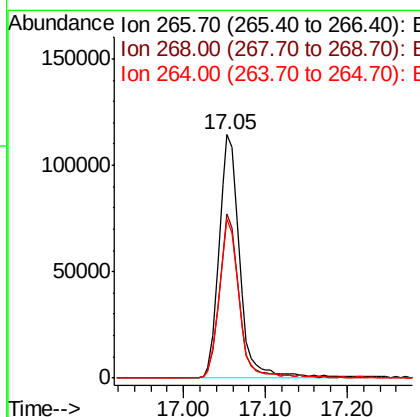
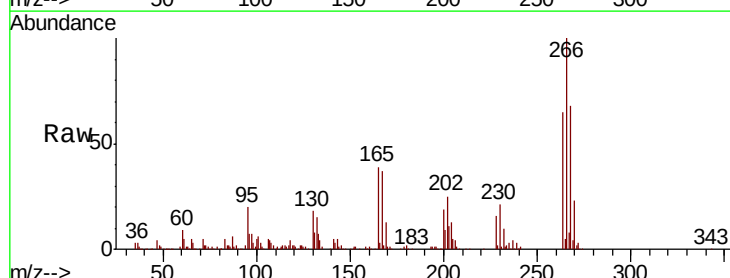
Manual Integrations
APPROVED

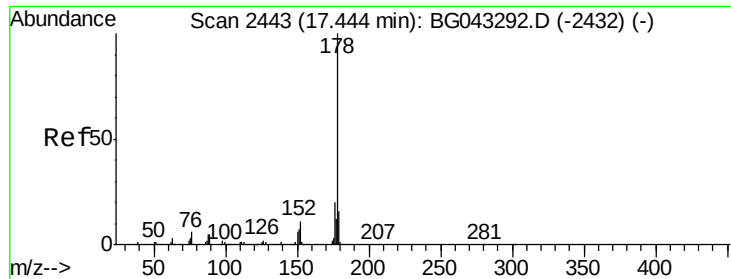
mohammad
10/30/2019 4:54:35 PM



#70
Pentachlorophenol
Concen: 106.165 ng
RT: 17.05 min Scan# 2377
Delta R.T. 0.00 min
Lab File: BG043384.D
Acq: 29 Oct 2019 21:32

Tgt Ion	Ratio	Resp	Lower	Upper
266	100			
268	67.7	47.1	70.7	
264	65.3	50.4	75.6	





#71

Phenanthrene

Concen: 58.844 ng

RT: 17.44 min Scan# 2443

Delta R.T. -0.00 min

Lab File: BG043384.D

Acq: 29 Oct 2019 21:32

Instrument :

BNA_G

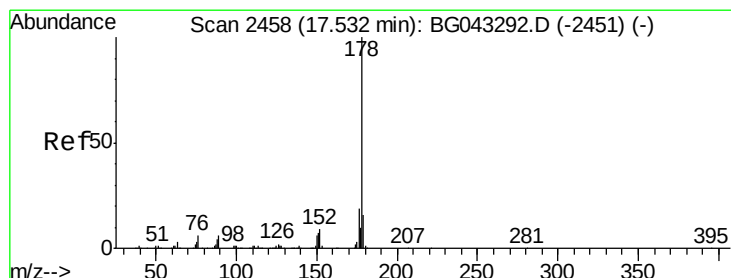
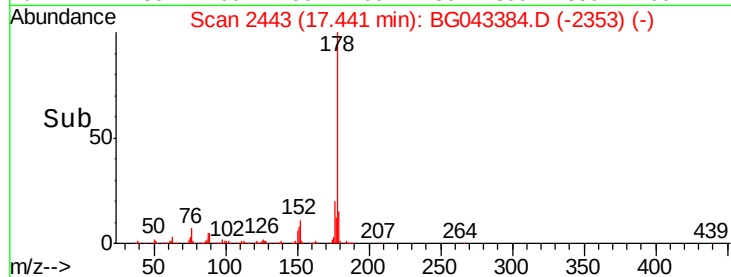
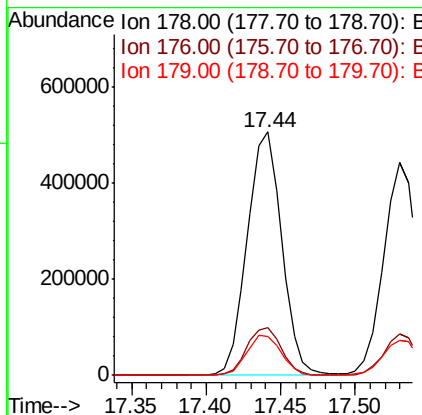
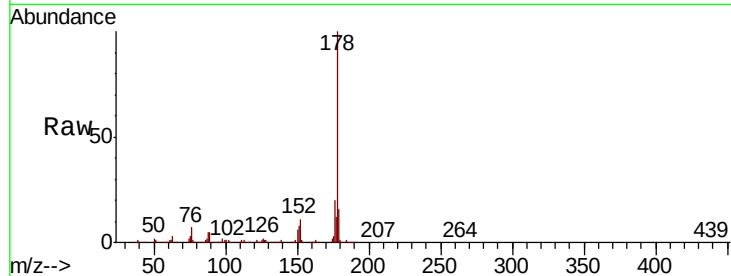
ClientSampleId :

17-20-(0-2.5)MSD

Tot Ion:178	Resp:	812428
Ion Ratio	Lower	Upper
178	100	
176	19.5	15.8 23.8
179	16.0	13.1 19.7

Manual Integrations
APPROVED

mohammad
10/30/2019 4:54:35 PM



#72

Anthracene

Concen: 51.078 ng

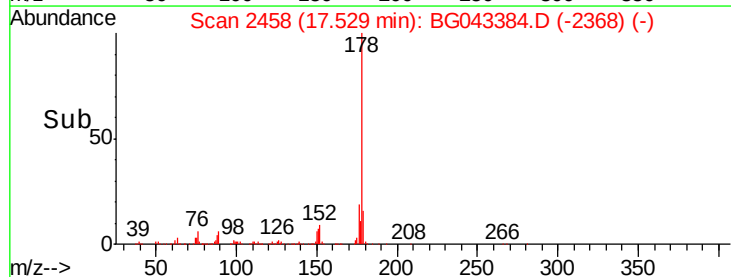
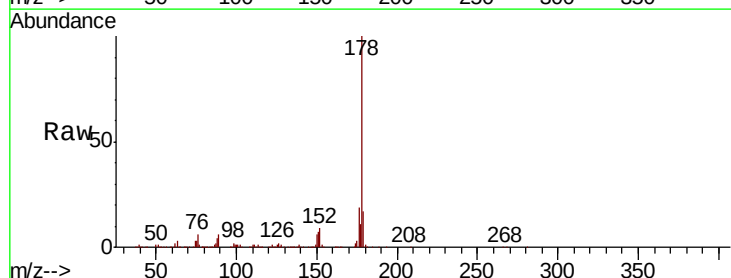
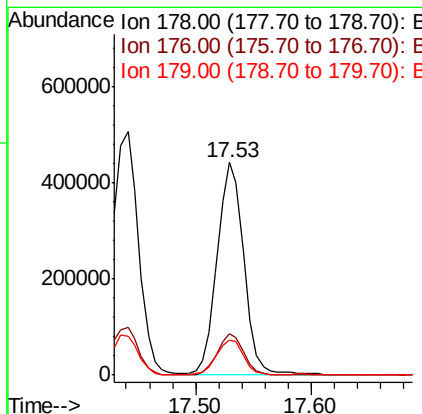
RT: 17.53 min Scan# 2458

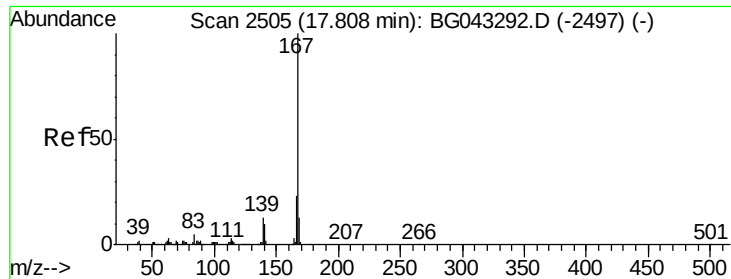
Delta R.T. -0.00 min

Lab File: BG043384.D

Acq: 29 Oct 2019 21:32

Tgt Ion:178	Resp:	705574
Ion Ratio	Lower	Upper
178	100	
176	19.3	15.1 22.7
179	16.6	13.0 19.6





#73

Carbazole

Concen: 49.319 ng

RT: 17.80 min Scan# 2504

Delta R.T. -0.01 min

Lab File: BG043384.D

Acq: 29 Oct 2019 21:32

Instrument :

BNA_G

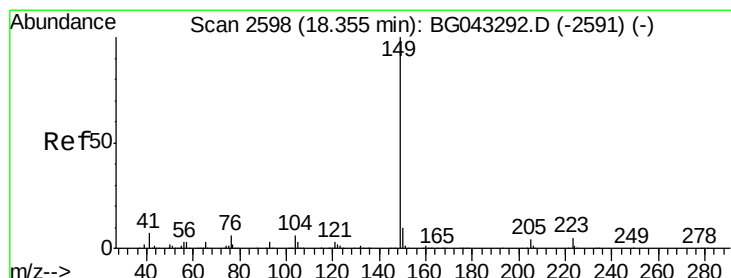
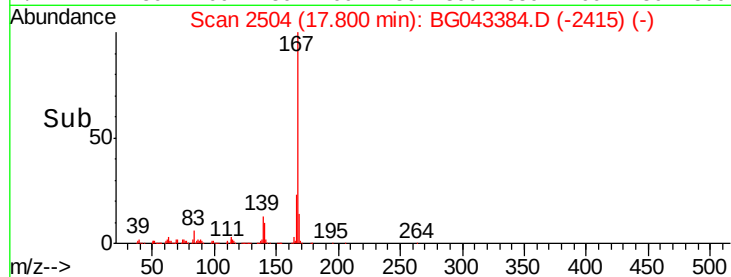
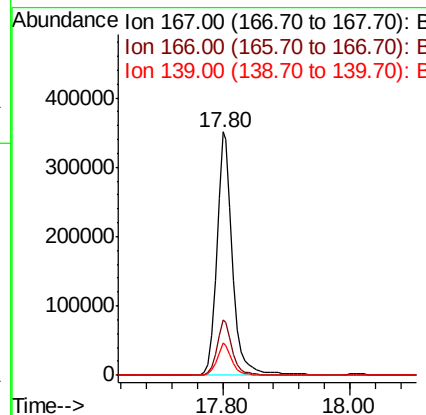
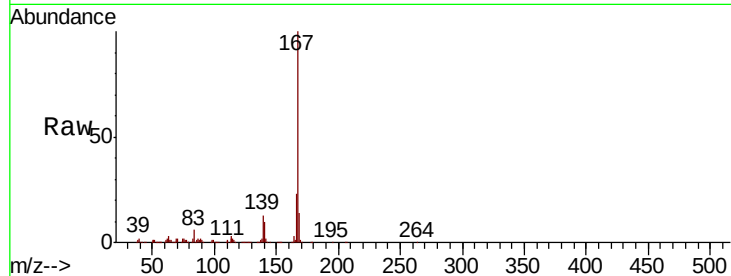
ClientSampleId :

17-20-(0-2.5)MSD

Tot Ion:	167	Resp:	616941
Ion Ratio	Lower	Upper	
167	100		
166	22.9	18.4	27.6
139	13.5	10.2	15.4

Manual Integrations
APPROVED

mohammad
10/30/2019 4:54:35 PM



#74

Di-n-butylphthalate

Concen: 46.241 ng

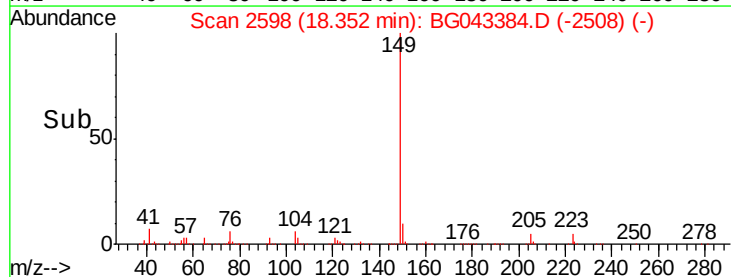
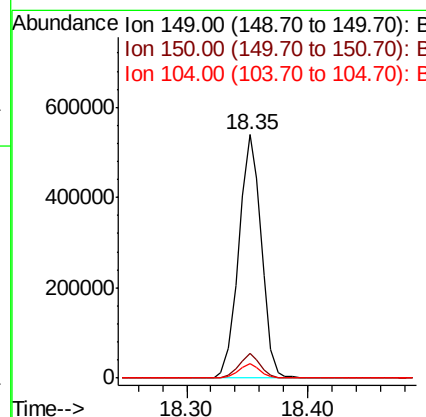
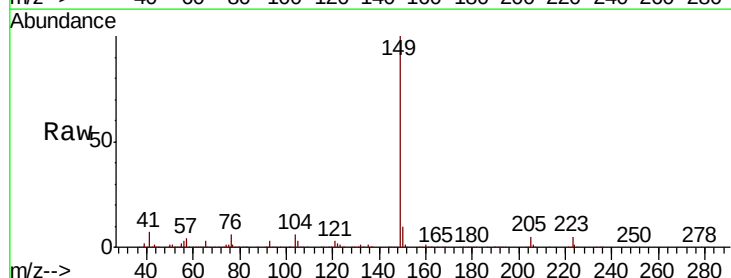
RT: 18.35 min Scan# 2598

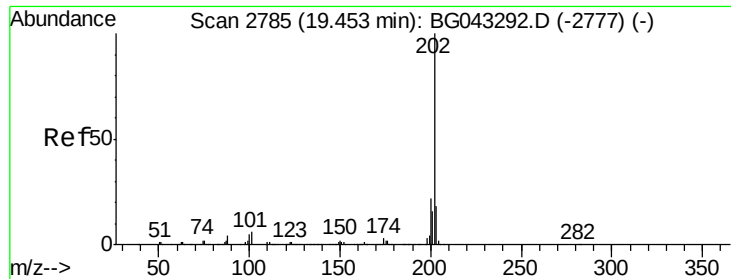
Delta R.T. -0.00 min

Lab File: BG043384.D

Acq: 29 Oct 2019 21:32

Tgt Ion:	149	Resp:	701851
Ion Ratio	Lower	Upper	
149	100		
150	10.2	8.0	12.0
104	5.9	4.7	7.1





#75

Fluoranthene

Concen: 60.331 ng

RT: 19.45 min Scan# 2785

Delta R.T. -0.00 min

Lab File: BG043384.D

Acq: 29 Oct 2019 21:32

Instrument :

BNA_G

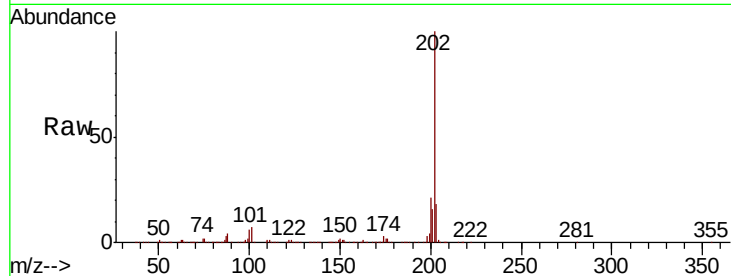
ClientSampleId :

17-20-(0-2.5)MSD

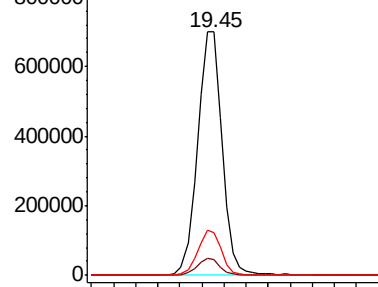
Tot Ion:	202	Resp:	1085916
Ion	Ratio	Lower	Upper
202	100		
101	6.6	0.0	26.0
203	17.7	0.0	38.2

Manual Integrations
APPROVED

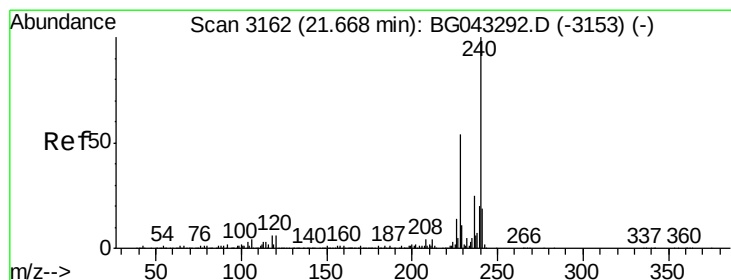
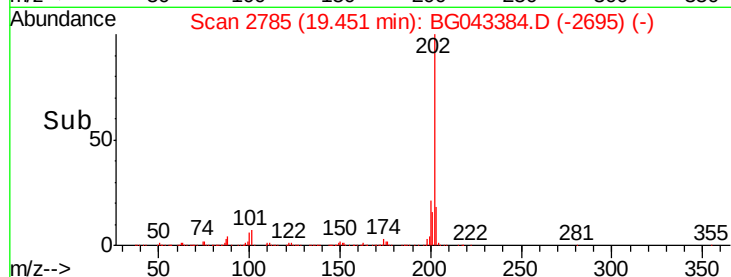
mohammad
10/30/2019 4:54:35 PM



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



Time-->



#76

Chrysene-d12

Concen: 20.000 ng

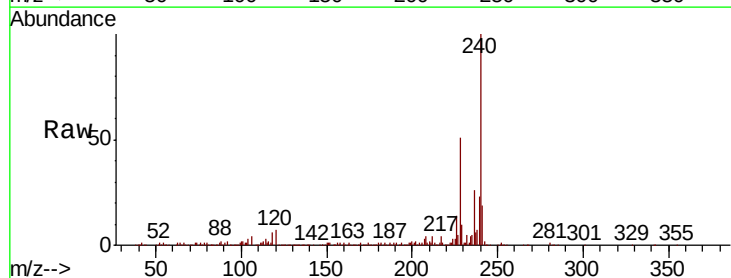
RT: 21.67 min Scan# 3162

Delta R.T. -0.00 min

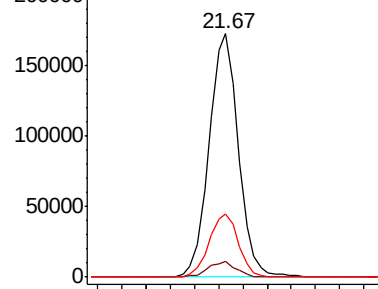
Lab File: BG043384.D

Acq: 29 Oct 2019 21:32

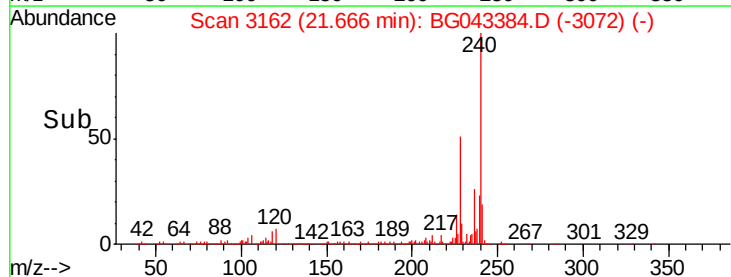
Tgt Ion:	240	Resp:	292176
Ion	Ratio	Lower	Upper
240	100		
120	6.5	4.6	7.0
236	25.7	20.2	30.4

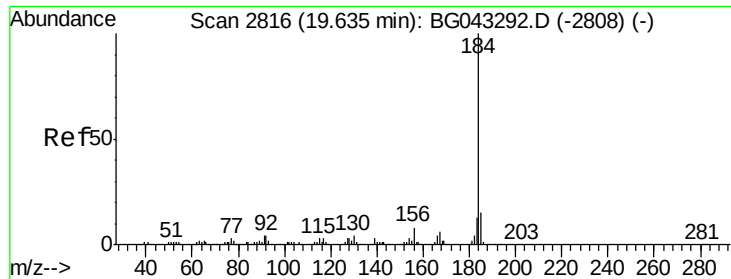


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E



Time-->





#77

Benzidine

Concen: 60.127 ng

RT: 19.63 min Scan# 2816

Delta R.T. -0.00 min

Lab File: BG043384.D

Acq: 29 Oct 2019 21:32

Instrument :

BNA_G

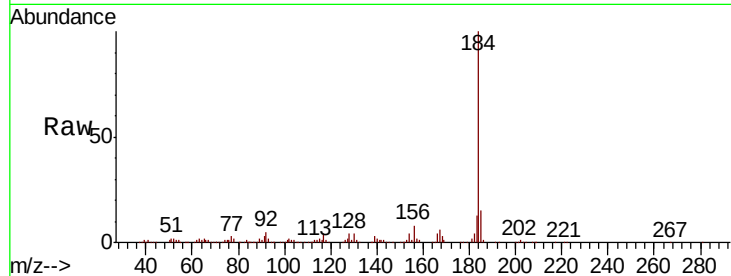
ClientSampleId :

17-20-(0-2.5)MSD

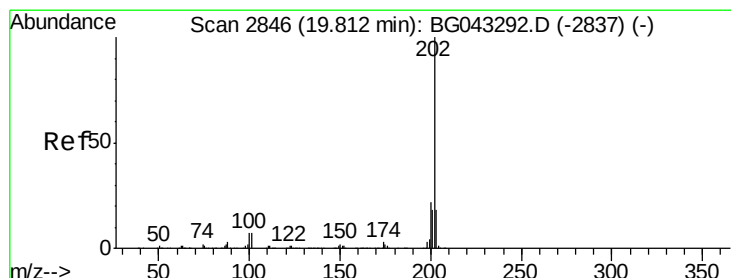
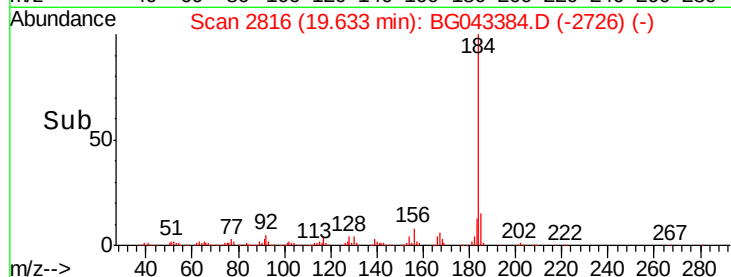
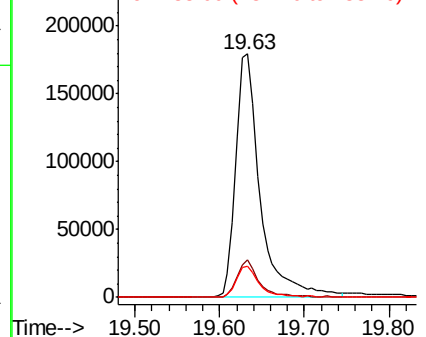
Tot Ion:	184	Resp:	353554
Ion Ratio	Lower	Upper	
184	100		
185	15.2	11.8	17.6
183	12.6	10.6	16.0

Manual Integrations
APPROVED

mohammad
10/30/2019 4:54:35 PM



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



#78

Pyrene

Concen: 58.113 ng

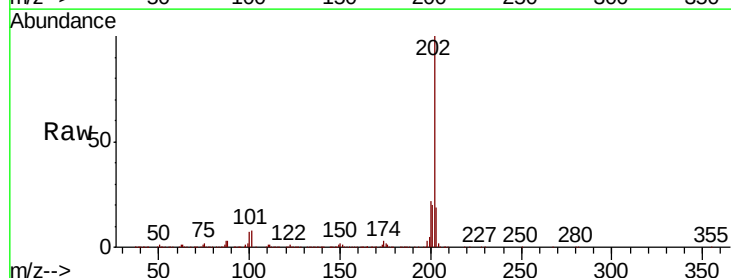
RT: 19.81 min Scan# 2846

Delta R.T. -0.00 min

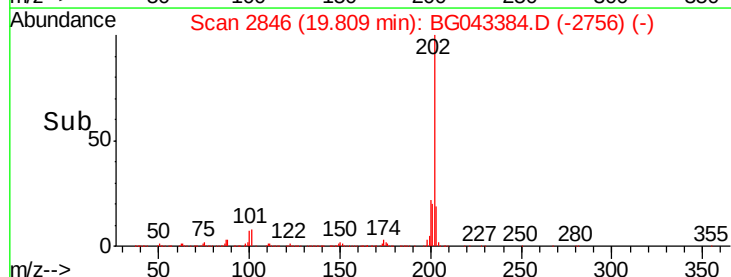
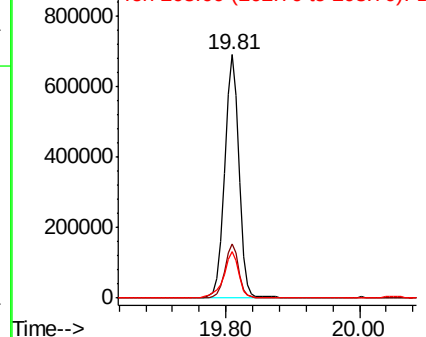
Lab File: BG043384.D

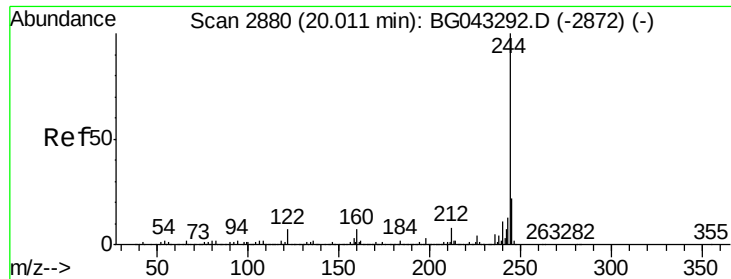
Acq: 29 Oct 2019 21:32

Tgt Ion:	202	Resp:	1050998
Ion Ratio	Lower	Upper	
202	100		
200	22.3	17.3	25.9
203	19.2	14.5	21.7



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





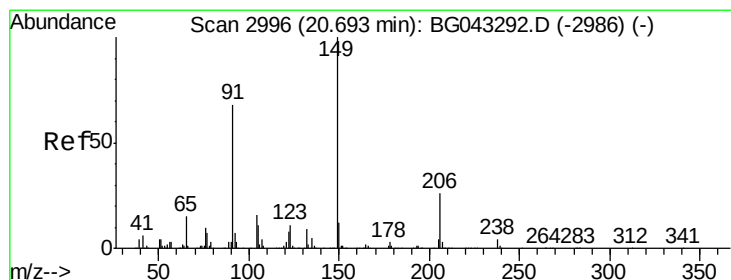
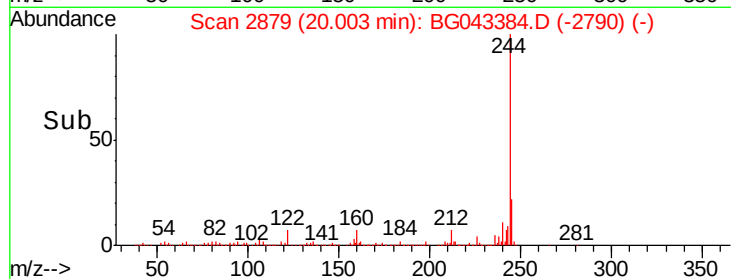
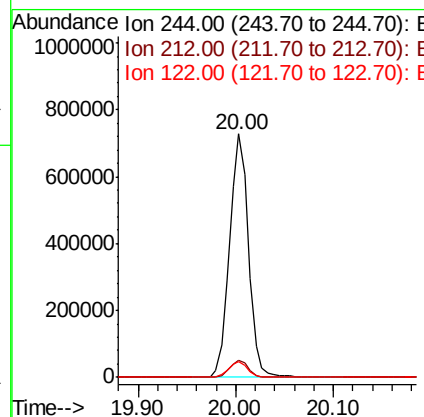
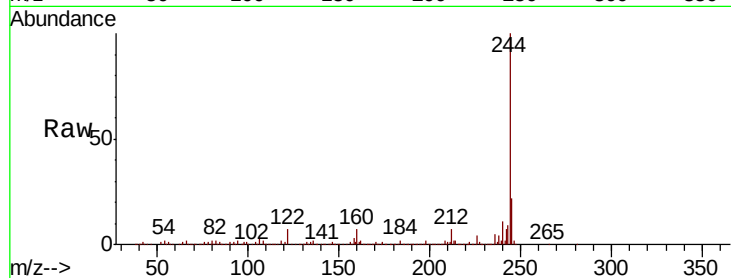
#79
 Terphenyl-d14
 Concen: 63.085 ng
 RT: 20.00 min Scan# 2879
 Delta R.T. -0.01 min
 Lab File: BG043384.D
 Acq: 29 Oct 2019 21:32

Instrument :
 BNA_G
 ClientSampleId :
 17-20-(0-2.5)MSD

Tot Ion	Ratio	Resp Lower	Upper
244	100		
212	7.1	6.4	9.6
122	6.7	5.3	7.9

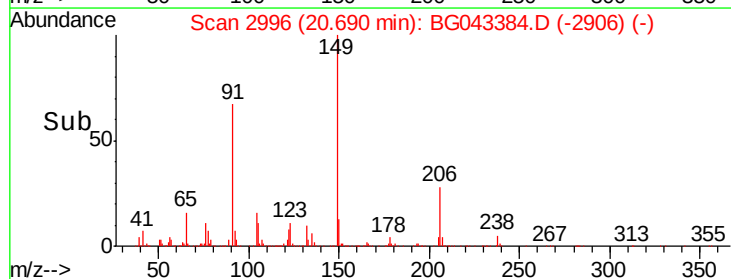
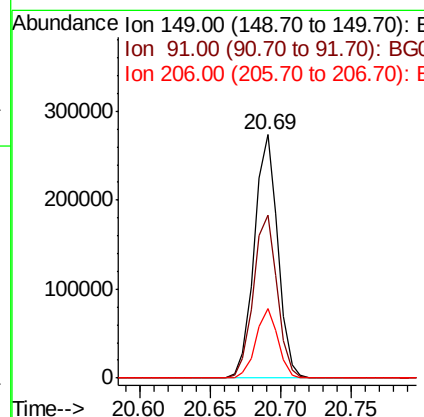
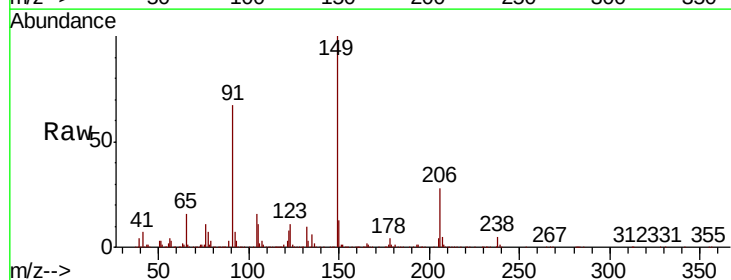
Manual Integrations
 APPROVED

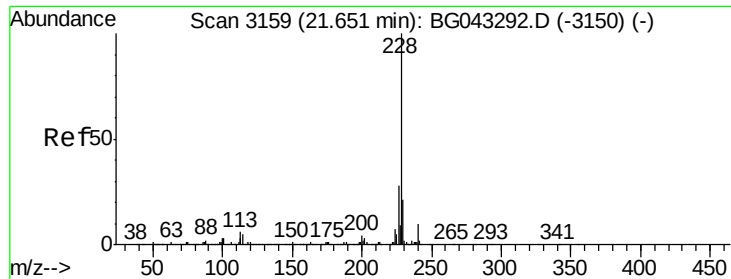
mohammad
 10/30/2019 4:54:35 PM



#80
 Butylbenzylphthalate
 Concen: 46.909 ng
 RT: 20.69 min Scan# 2996
 Delta R.T. -0.00 min
 Lab File: BG043384.D
 Acq: 29 Oct 2019 21:32

Tgt Ion	Ratio	Resp Lower	Upper
149	100		
91	67.2	54.6	82.0
206	28.3	20.5	30.7





#81

Benzo(a)anthracene

Concen: 53.954 ng

RT: 21.64 min Scan# 3158

Delta R.T. -0.01 min

Lab File: BG043384.D

Acq: 29 Oct 2019 21:32

Instrument :

BNA_G

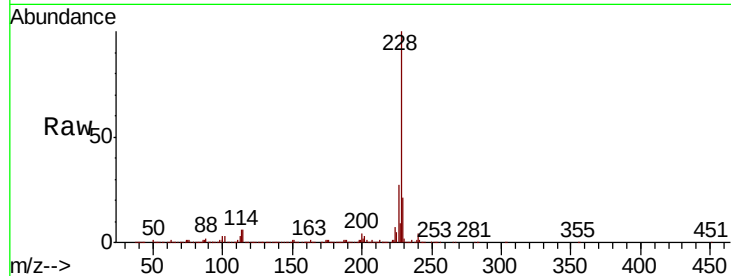
ClientSampleId :

17-20-(0-2.5)MSD

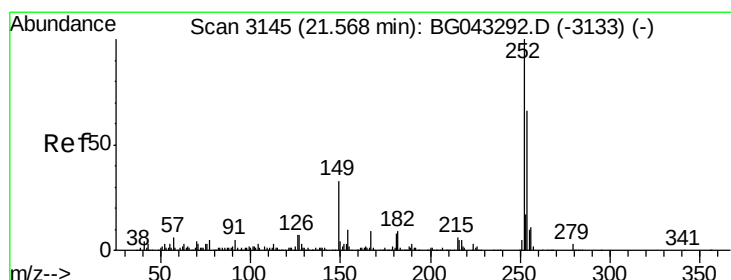
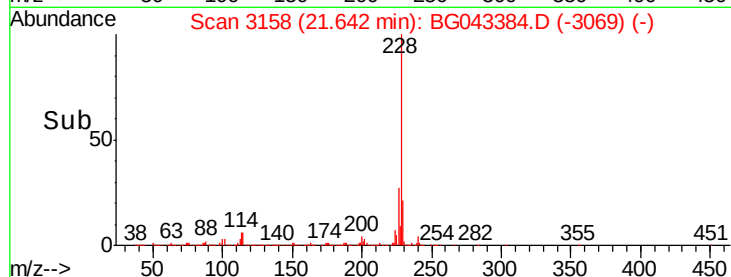
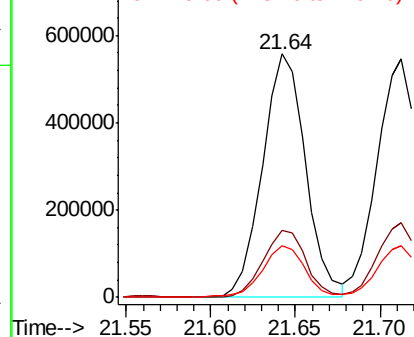
Tot Ion:	228	Resp:	987442
Ion Ratio	Lower	Upper	
228	100		
226	27.3	22.2	33.4
229	21.0	16.9	25.3

Manual Integrations
APPROVED

mohammad
10/30/2019 4:54:35 PM



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 40.885 ng

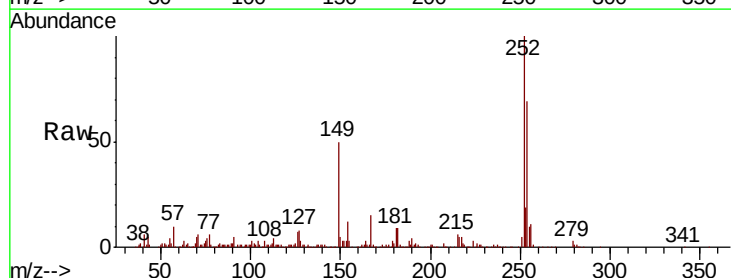
RT: 21.56 min Scan# 3144

Delta R.T. -0.01 min

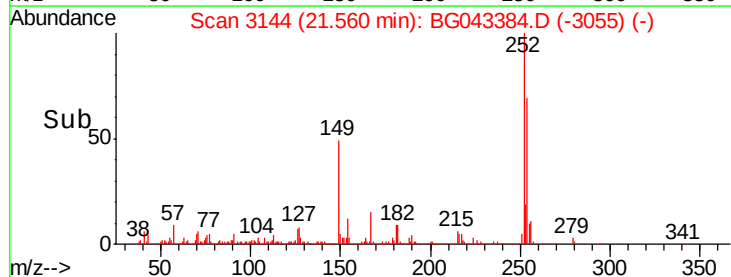
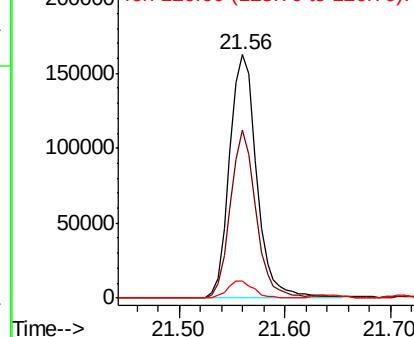
Lab File: BG043384.D

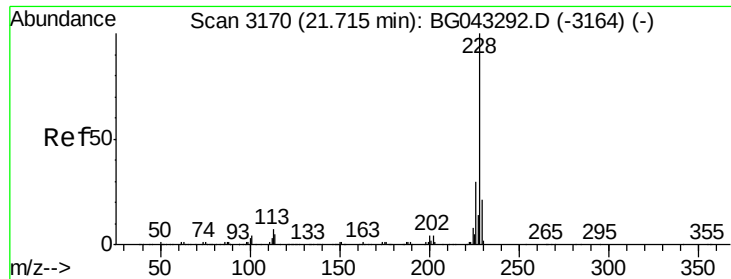
Acq: 29 Oct 2019 21:32

Tgt Ion:	252	Resp:	289417
Ion Ratio	Lower	Upper	
252	100		
254	68.8	52.7	79.1
126	6.9	5.6	8.4



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 254.00 (253.70 to 254.70): E
Ion 126.00 (125.70 to 126.70): E





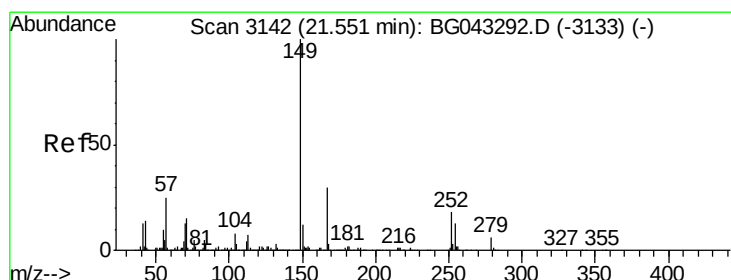
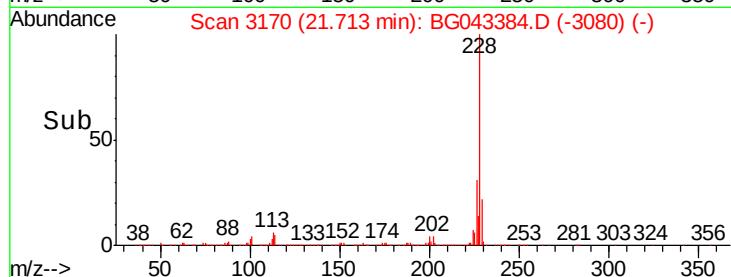
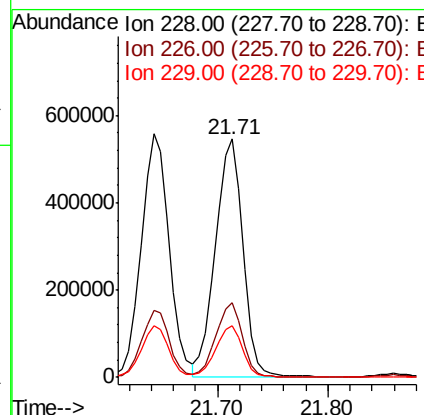
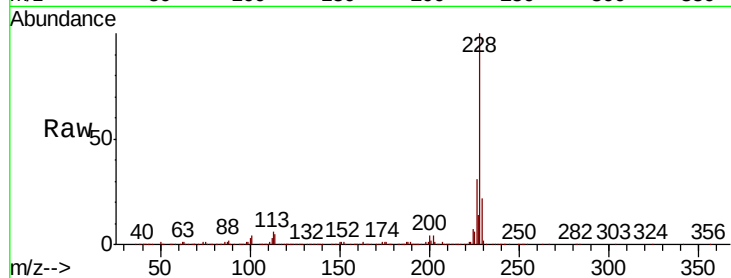
#83
 Chrysene
 Concen: 51.632 ng
 RT: 21.71 min Scan# 3170
 Delta R.T. -0.00 min
 Lab File: BG043384.D
 Acq: 29 Oct 2019 21:32

Instrument :
 BNA_G
 ClientSampleId :
 17-20-(0-2.5)MSD

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.5	23.8	35.8
229	21.8	16.3	24.5

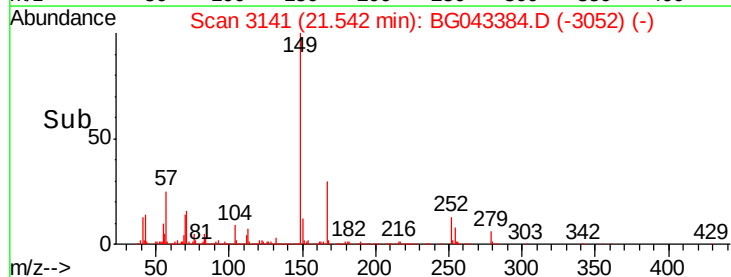
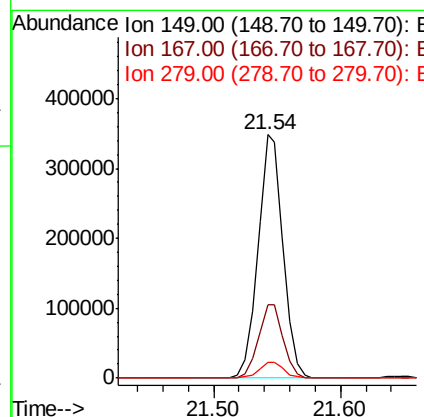
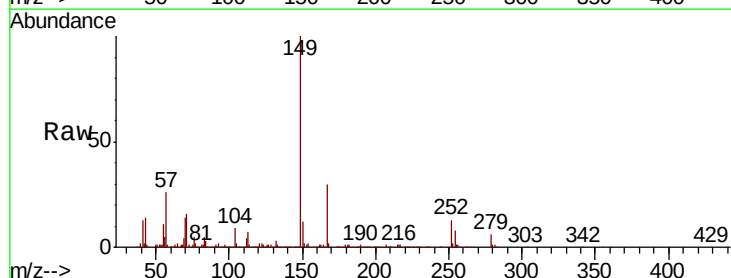
Manual Integrations
 APPROVED

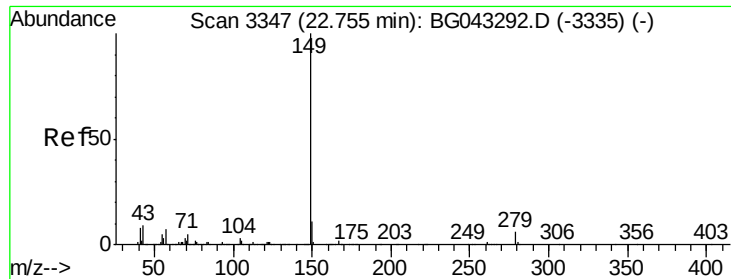
mohammad
 10/30/2019 4:54:35 PM



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 48.817 ng
 RT: 21.54 min Scan# 3141
 Delta R.T. -0.01 min
 Lab File: BG043384.D
 Acq: 29 Oct 2019 21:32

Tgt Ion	Ratio	Lower	Upper
149	100		
167	30.3	23.9	35.9
279	6.3	4.8	7.2





#85

Di-n-octyl phthalate

Concen: 49.567 ng

RT: 22.75 min Scan# 3346

Delta R.T. -0.01 min

Lab File: BG043384.D

Acq: 29 Oct 2019 21:32

Instrument :

BNA_G

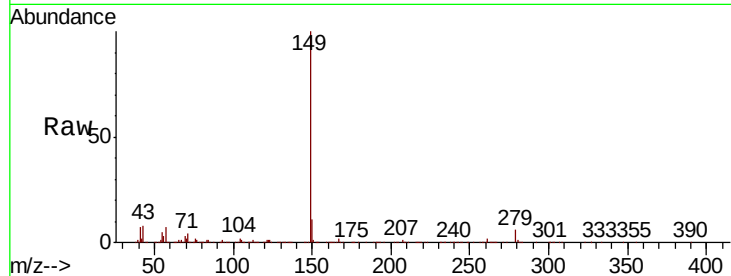
ClientSampleId :

17-20-(0-2.5)MSD

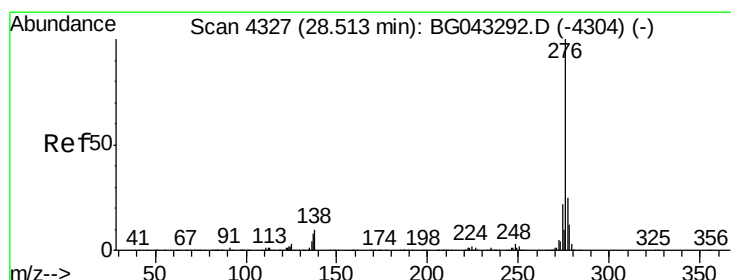
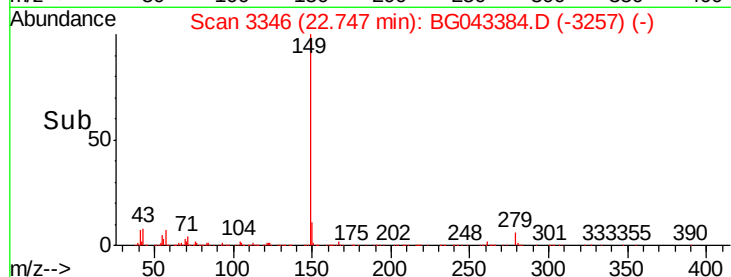
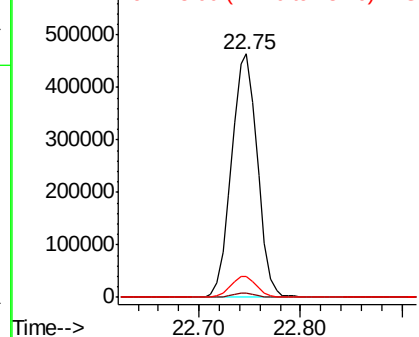
Tot Ion:	149	Resp:	818492
Ion Ratio	Lower	Upper	
149	100		
167	1.7	1.4	2.0
43	8.4	6.9	10.3

Manual Integrations
APPROVED

mohammad
10/30/2019 4:54:35 PM



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



#86

Indeno(1,2,3-cd)pyrene

Concen: 52.676 ng

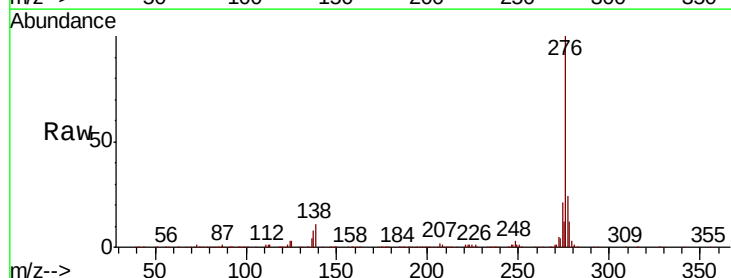
RT: 28.50 min Scan# 4325

Delta R.T. -0.01 min

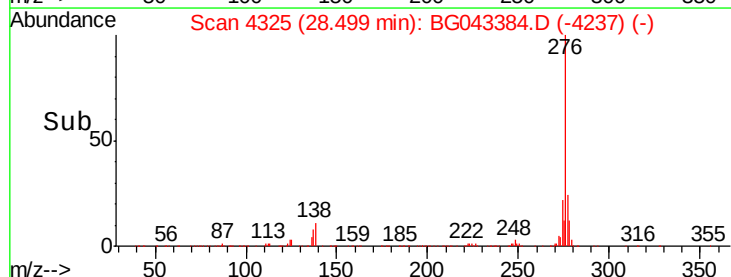
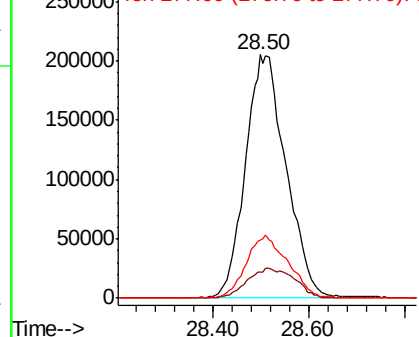
Lab File: BG043384.D

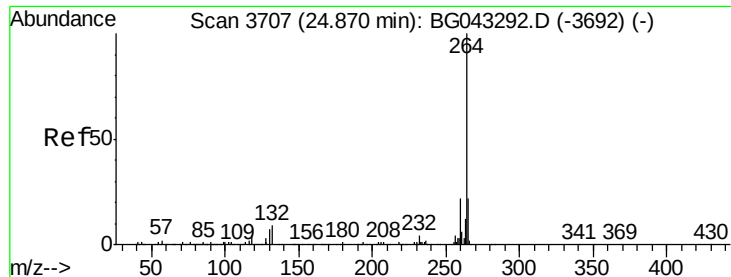
Acq: 29 Oct 2019 21:32

Tgt Ion:	276	Resp:	1202375
Ion Ratio	Lower	Upper	
276	100		
138	13.9	7.2	10.8#
277	26.1	20.9	31.3



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





#87

Pervlene-d12

Concen: 20.000 ng

RT: 24.86 min Scan# 3706

Delta R.T. -0.01 min

Lab File: BG043384.D

Acq: 29 Oct 2019 21:32

Instrument :

BNA_G

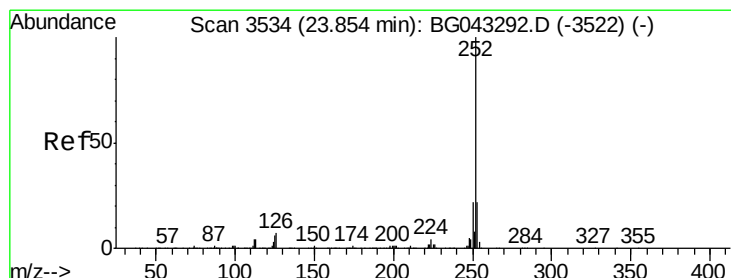
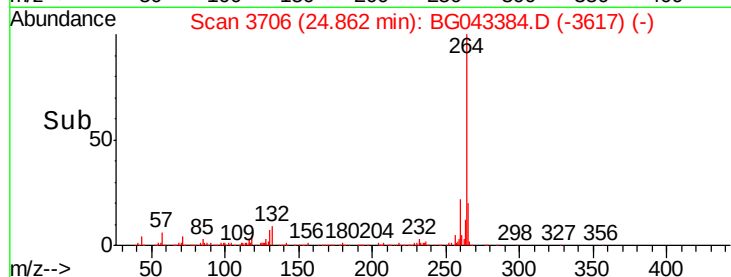
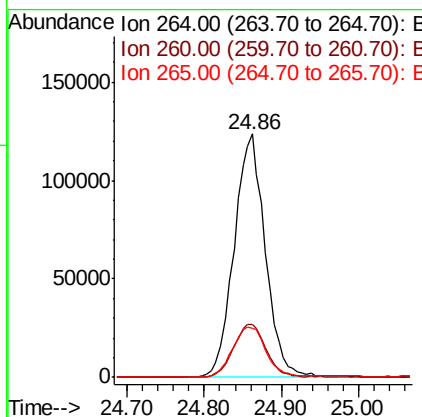
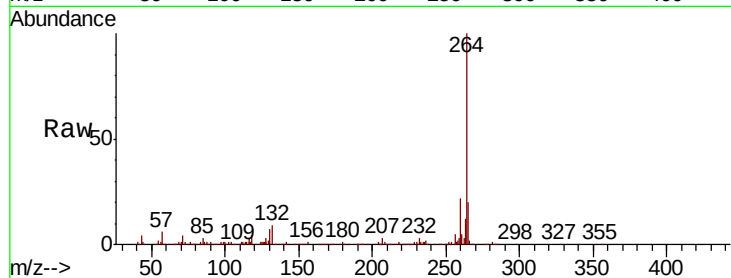
ClientSampleId :

17-20-(0-2.5)MSD

Tot Ion:	264	Resp:	349357
Ion Ratio		Lower	Upper
264	100		
260	21.9	17.9	26.9
265	20.0	17.4	26.2

Manual Integrations
APPROVED

mohammad
10/30/2019 4:54:35 PM



#88

Benzo(b)fluoranthene

Concen: 52.896 ng

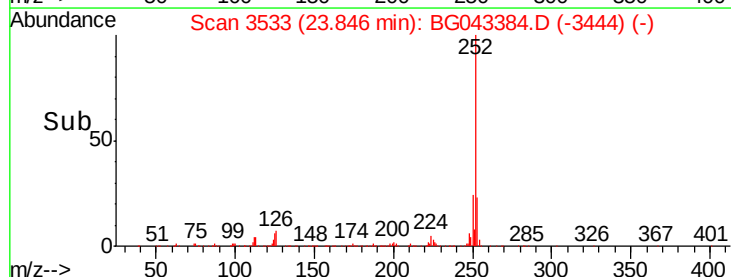
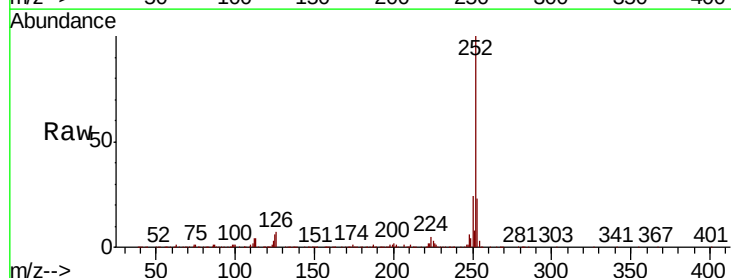
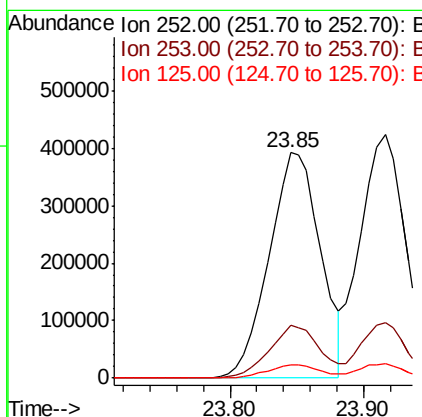
RT: 23.85 min Scan# 3533

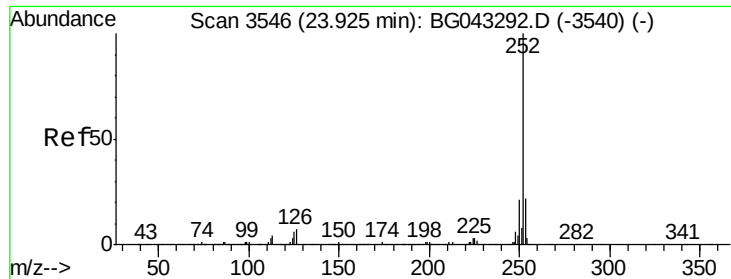
Delta R.T. -0.01 min

Lab File: BG043384.D

Acq: 29 Oct 2019 21:32

Tgt Ion:	252	Resp:	1046633
Ion Ratio		Lower	Upper
252	100		
253	23.5	17.4	26.2
125	5.7	5.0	7.6





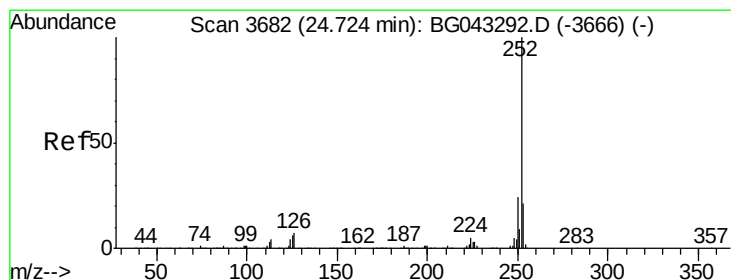
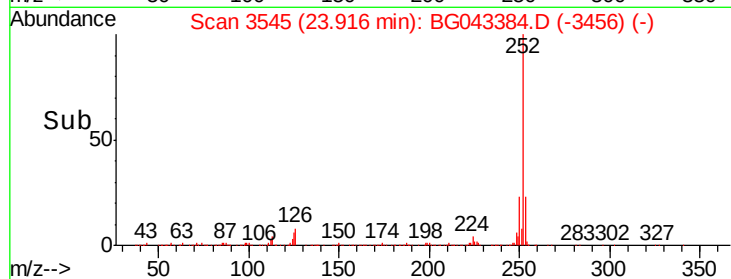
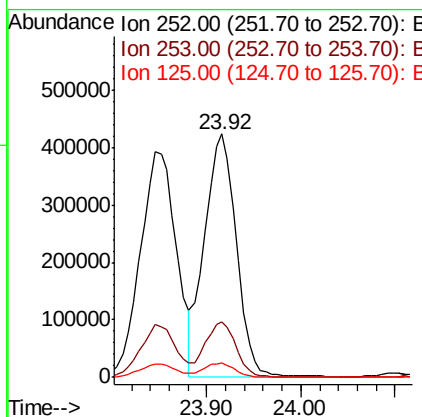
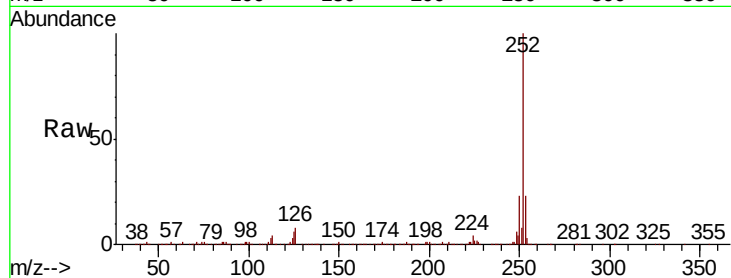
#89
Benzo(k)fluoranthene
Concen: 50.445 ng
RT: 23.92 min Scan# 3545
Delta R.T. -0.01 min
Lab File: BG043384.D
Acq: 29 Oct 2019 21:32

Instrument :
BNA_G
ClientSampleId :
17-20-(0-2.5)MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.6	26.4
125	5.7	4.5	6.7

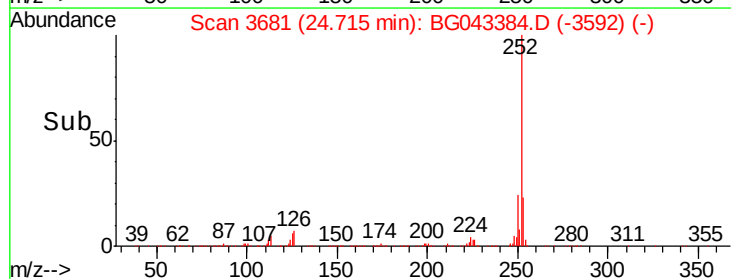
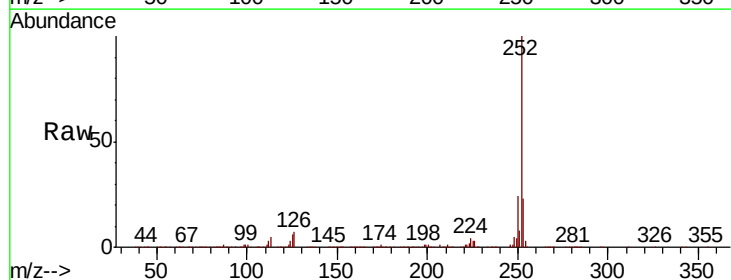
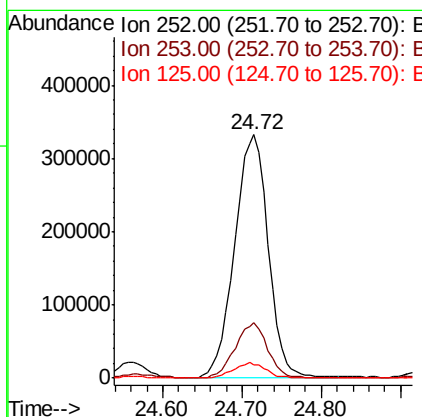
Manual Integrations
APPROVED

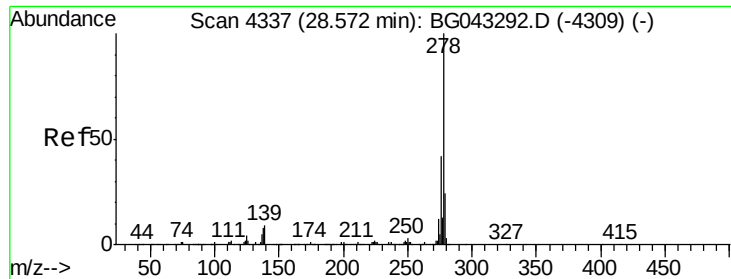
mohammad
10/30/2019 4:54:35 PM



#90
Benzo(a)pyrene
Concen: 51.577 ng
RT: 24.72 min Scan# 3681
Delta R.T. -0.01 min
Lab File: BG043384.D
Acq: 29 Oct 2019 21:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.2	25.8
125	5.6	5.0	7.6





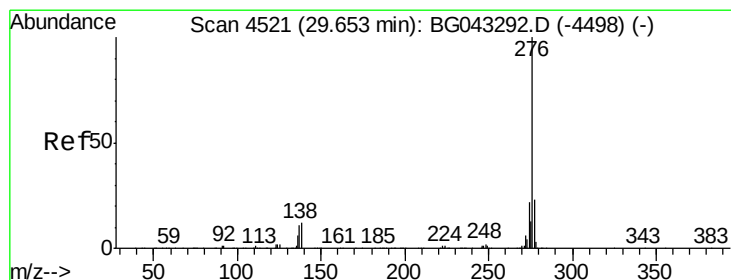
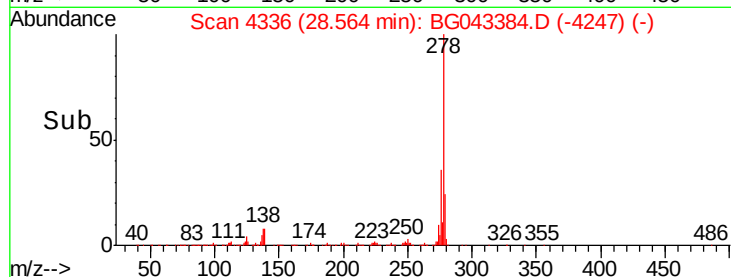
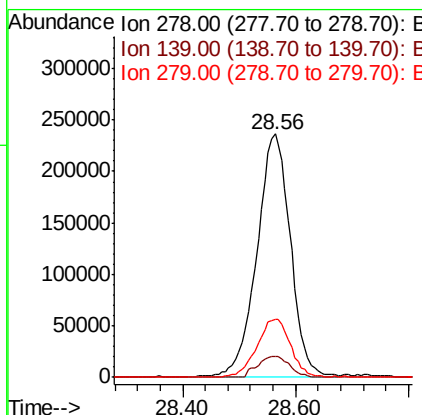
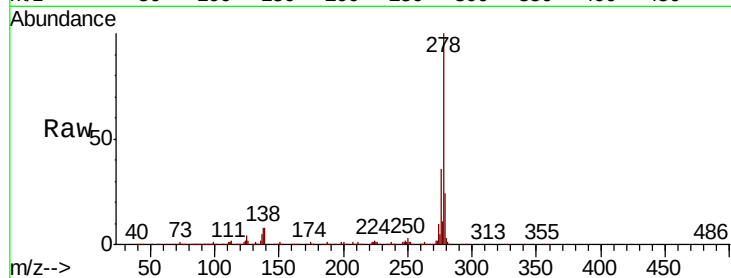
#91
Dibenzo(a,h)anthracene
Concen: 50.097 ng
RT: 28.56 min Scan# 4336
Delta R.T. -0.01 min
Lab File: BG043384.D
Acq: 29 Oct 2019 21:32

Instrument :
BNA_G
ClientSampleId :
17-20-(0-2.5)MSD

Tot Ion	Ratio	Lower	Upper
278	100		
139	8.3	6.8	10.2
279	23.6	19.0	28.6

Manual Integrations
APPROVED

mohammad
10/30/2019 4:54:35 PM



#92
Benzo(g,h,i)perylene
Concen: 53.644 ng
RT: 29.64 min Scan# 4520
Delta R.T. -0.01 min
Lab File: BG043384.D
Acq: 29 Oct 2019 21:32

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.6	18.3	27.5
138	11.9	9.3	13.9

