

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG103019\
 Data File : BG043407.D
 Acq On : 30 Oct 2019 19:16
 Operator : JU
 Sample : K5543-01MSD
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 R-1MSD

Manual Integrations
 APPROVED

mohammad
 10/31/2019 2:51:58 PM

Quant Time: Oct 31 05:44:47 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	39792	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	157565	20.00	ng	0.00
39) Acenaphthene-d10	14.65	164	116656	20.00	ng	0.00
64) Phenanthrene-d10	17.40	188	272299	20.00	ng	0.00
76) Chrysene-d12	21.66	240	305752	20.00	ng	0.00
87) Perylene-d12	24.85	264	358588	20.00	ng	-0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.61	112	238064	109.63	ng	0.00
7) Phenol-d6	7.21	99	344780	110.35	ng	0.00
23) Nitrobenzene-d5	9.18	82	206196	67.47	ng	0.00
42) 2,4,6-Tribromophenol	16.14	330	225667	101.65	ng	0.00
45) 2-Fluorobiphenyl	13.27	172	564731	66.89	ng	0.00
79) Terphenyl-d14	20.01	244	1160883	71.23	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.48	88	31515	37.242	ng	# 87
3) Pyridine	3.88	79	81580	38.217	ng	97
4) n-Nitrosodimethylamine	3.80	42	50171	46.577	ng	87
6) Aniline	7.35	93	138044	38.355	ng	96
8) 2-Chlorophenol	7.60	128	117807	49.145	ng	97
9) Benzaldehyde	7.16	77	61089	39.787	ng	86
10) Phenol	7.24	94	154667	54.175	ng	99
11) bis(2-Chloroethyl)ether	7.44	93	95936	43.463	ng	96
12) 1,3-Dichlorobenzene	7.91	146	129574	43.143	ng	96
13) 1,4-Dichlorobenzene	8.05	146	129542	42.631	ng	99
14) 1,2-Dichlorobenzene	8.38	146	128221	43.216	ng	98
15) Benzyl Alcohol	8.27	79	107119	48.819	ng	94
16) 2,2'-oxybis(1-Chloropropan	8.55	45	130764	40.742	ng	94
17) 2-Methylphenol	8.48	107	99400	47.759	ng	98
18) Hexachloroethane	9.10	117	46262	42.197	ng	93
19) n-Nitroso-di-n-propylamine	8.82	70	89686	44.424	ng	100
20) 3+4-Methylphenols	8.81	107	138377	48.486	ng	93
22) Acetophenone	8.84	105	173663	43.038	ng	# 98
24) Nitrobenzene	9.22	77	135259	46.458	ng	98
25) Isophorone	9.75	82	254498	45.546	ng	97
26) 2-Nitrophenol	9.94	139	72431	51.530	ng	92
27) 2,4-Dimethylphenol	10.01	122	113229	56.204	ng	99
28) bis(2-Chloroethoxy)methane	10.23	93	134840	43.723	ng	95
29) 2,4-Dichlorophenol	10.49	162	130316	50.486	ng	90
30) 1,2,4-Trichlorobenzene	10.69	180	139728	42.949	ng	98
31) Naphthalene	10.87	128	368371	46.058	ng	99
32) Benzoic acid	10.18	122	64672	43.165	ng	93
33) 4-Chloroaniline	11.00	127	75377	22.992	ng	96
34) Hexachlorobutadiene	11.16	225	103244	42.930	ng	90
35) Caprolactam	11.77	113	41437m	46.611	ng	
36) 4-Chloro-3-methylphenol	12.13	107	140420	49.872	ng	97
37) 2-Methylnaphthalene	12.48	142	290024	47.261	ng	96
38) 1-Methylnaphthalene	12.70	142	270822	46.383	ng	98
40) 1,2,4,5-Tetrachlorobenzene	12.85	216	184131	42.650	ng	# 97

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG103019\
 Data File : BG043407.D
 Acq On : 30 Oct 2019 19:16
 Operator : JU
 Sample : K5543-01MSD
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 R-1MSD

Manual Integrations
 APPROVED

mohammad
 10/31/2019 2:51:58 PM

Quant Time: Oct 31 05:44:47 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	231758	102.191	nq	98
43) 2,4,6-Trichlorophenol	13.09	196	124937	49.140	nq	95
44) 2,4,5-Trichlorophenol	13.17	196	127788	49.715	nq	96
46) 1,1'-Biphenyl	13.48	154	393322	44.320	nq	98
47) 2-Chloronaphthalene	13.52	162	300143	44.450	nq	99
48) 2-Nitroaniline	13.74	65	93181	46.172	nq	99
49) Acenaphthylene	14.37	152	495625	47.161	nq	98
50) Dimethylphthalate	14.11	163	464852	51.445	nq	98
51) 2,6-Dinitrotoluene	14.22	165	92906	47.328	nq	95
52) Acenaphthene	14.71	154	293496	45.796	nq	99
53) 3-Nitroaniline	14.56	138	58643	30.942	nq	94
54) 2,4-Dinitrophenol	14.76	184	99921	81.377	nq	96
55) Dibenzofuran	15.05	168	482539	46.430	nq	100
56) 4-Nitrophenol	14.89	139	133824	105.368	nq	100
57) 2,4-Dinitrotoluene	15.01	165	131218	46.774	nq	97
58) Fluorene	15.70	166	404825	46.442	nq	98
59) 2,3,4,6-Tetrachlorophenol	15.28	232	132302	48.446	nq	# 97
60) Diethylphthalate	15.46	149	403638	44.458	nq	99
61) 4-Chlorophenyl-phenylether	15.69	204	230836	45.394	nq	95
62) 4-Nitroaniline	15.73	138	86298	44.090	nq	94
63) Azobenzene	15.98	77	342500	46.612	nq	97
65) 4,6-Dinitro-2-methylphenol	15.78	198	81730	51.002	nq	91
66) n-Nitrosodiphenylamine	15.90	169	360684	46.917	nq	99
67) 4-Bromophenyl-phenylether	16.58	248	164187	44.804	nq	96
68) Hexachlorobenzene	16.70	284	186197	44.265	nq	99
69) Atrazine	16.85	200	154362	57.785	nq	97
70) Pentachlorophenol	17.06	266	203474	106.158	nq	95
71) Phenanthrene	17.44	178	640284	45.919	nq	100
72) Anthracene	17.53	178	662327	47.475	nq	99
73) Carbazole	17.80	167	600479	47.530	nq	98
74) Di-n-butylphthalate	18.35	149	703533	45.895	nq	98
75) Fluoranthene	19.45	202	866922	47.690	nq	99
77) Benzidine	19.63	184	338114	54.948	nq	98
78) Pyrene	19.81	202	861508	45.521	nq	99
80) Butylbenzylphthalate	20.69	149	332037	46.308	nq	99
81) Benzo(a)anthracene	21.64	228	900894	47.039	nq	99
82) 3,3'-Dichlorobenzidine	21.56	252	248544	33.552	nq	95
83) Chrysene	21.71	228	876216	46.046	nq	99
84) Bis(2-ethylhexyl)phthalate	21.54	149	481582	47.282	nq	98
85) Di-n-octyl phthalate	22.74	149	833637	48.242	nq	100
86) Indeno(1,2,3-cd)pyrene	28.50	276	1166550	48.838	nq	# 96
88) Benzo(b)fluoranthene	23.84	252	957848	47.163	nq	98
89) Benzo(k)fluoranthene	23.91	252	963718	47.136	nq	98
90) Benzo(a)pyrene	24.71	252	901144	46.465	nq	99
91) Dibenzo(a,h)anthracene	28.55	278	980379	49.421	nq	98
92) Benzo(g,h,i)perylene	29.64	276	975467	49.852	nq	97

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

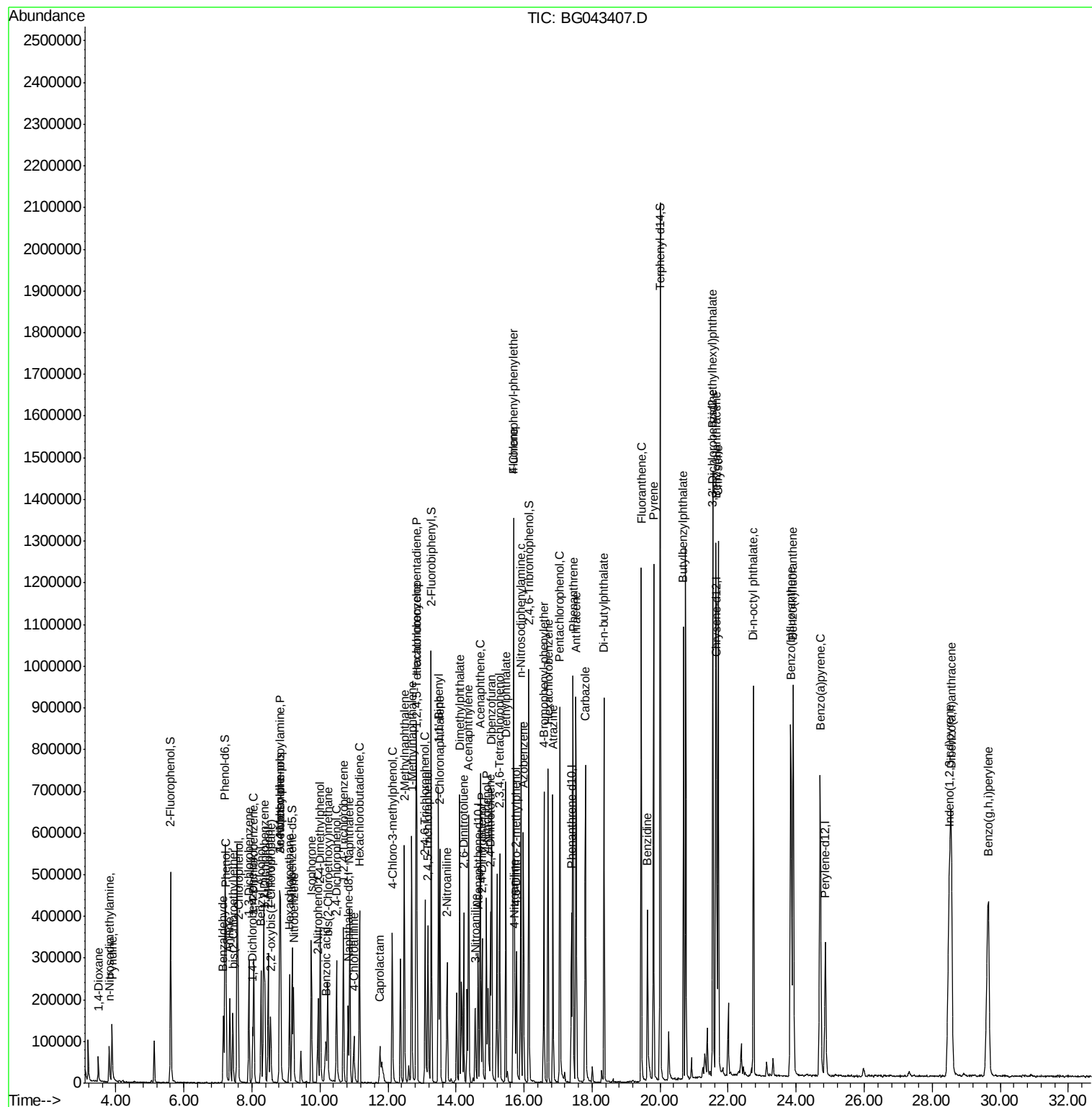
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG103019\
Data File : BG043407.D
Acq On : 30 Oct 2019 19:16
Operator : JU
Sample : K5543-01MSD
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
R-1MSD

Manual Integrations
APPROVED

mohammad
10/31/2019 2:51:58 PM

Quant Time: Oct 31 05:44:47 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# 839

Delta R.T. -0.01 min

Lab File: BG043407.D

Acq: 30 Oct 2019 19:16

Instrument :

BNA_G

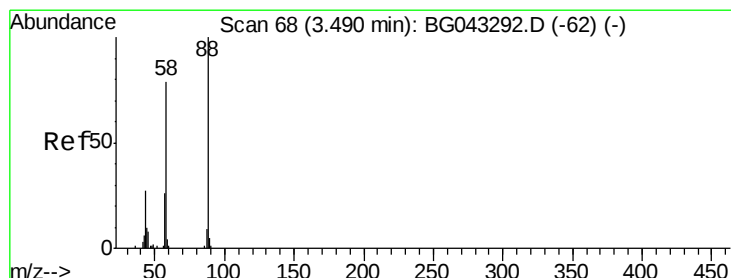
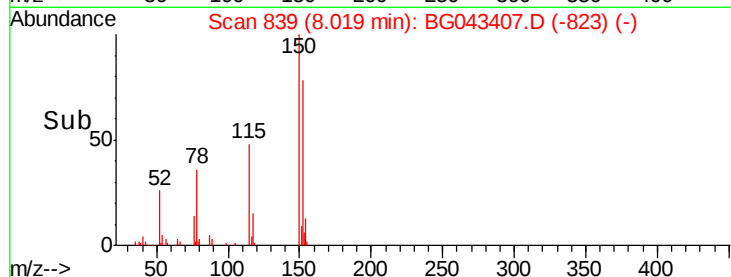
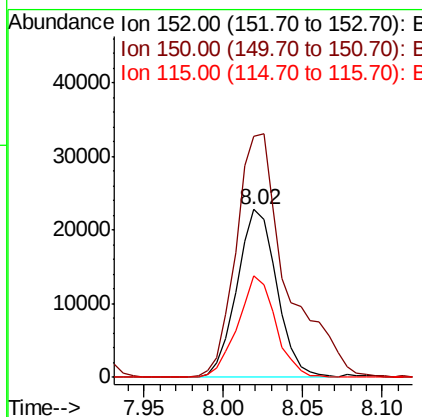
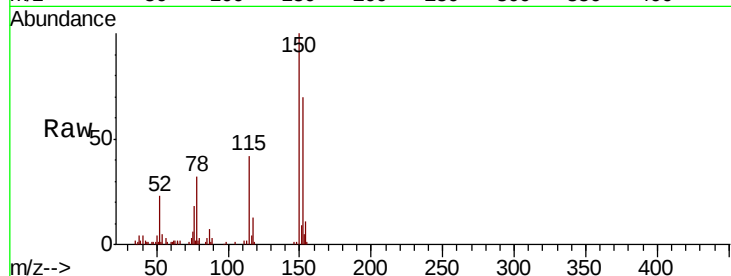
ClientSampleId :

R-1MSD

Tot Ion:	152	Resp:	39792
Ion Ratio	Lower	Upper	
152	100		
150	143.7	113.6	170.4
115	60.8	45.9	68.9

Manual Integrations
APPROVED

mohammad
10/31/2019 2:51:58 PM



#2

1,4-Dioxane

Concen: 37.242 ng

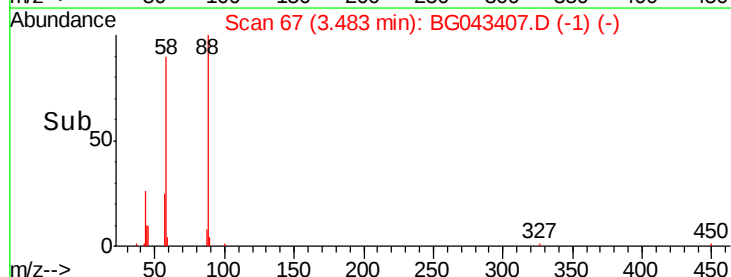
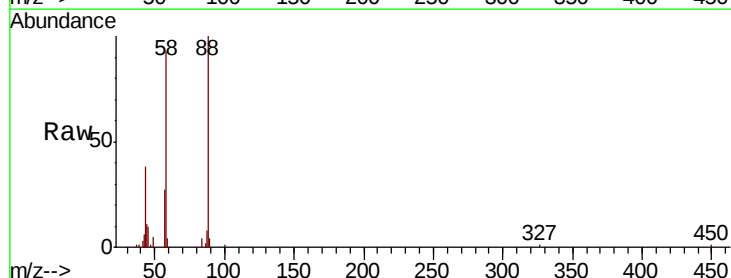
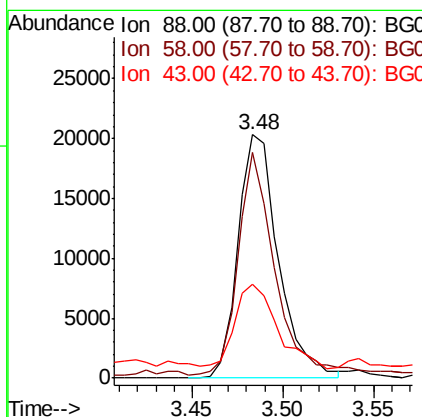
RT: 3.48 min Scan# 67

Delta R.T. -0.01 min

Lab File: BG043407.D

Acq: 30 Oct 2019 19:16

Tgt Ion:	88	Resp:	31515
Ion Ratio	Lower	Upper	
88	100		
58	85.4	60.2	90.2
43	35.8	22.7	34.1#





#3

Pvridine

Concen: 38.217 ng

RT: 3.88 min Scan# 135

Delta R.T. -0.01 min

Lab File: BG043407.D

Acq: 30 Oct 2019 19:16

Instrument :

BNA_G

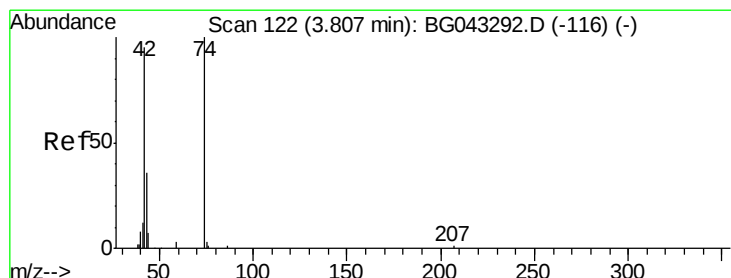
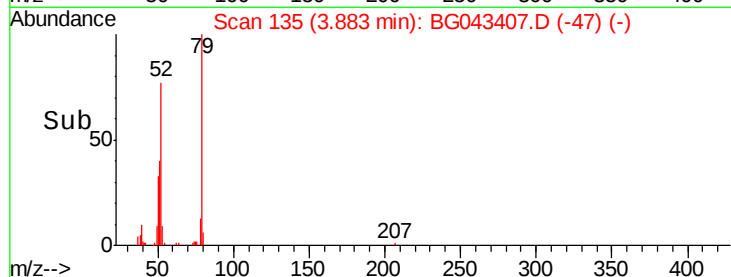
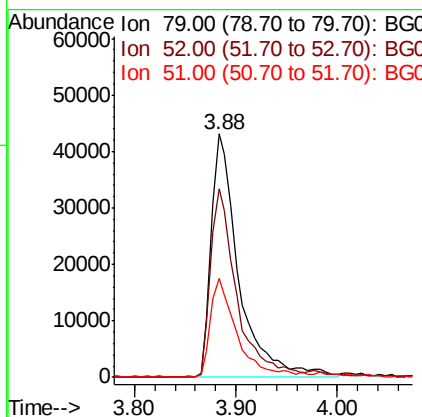
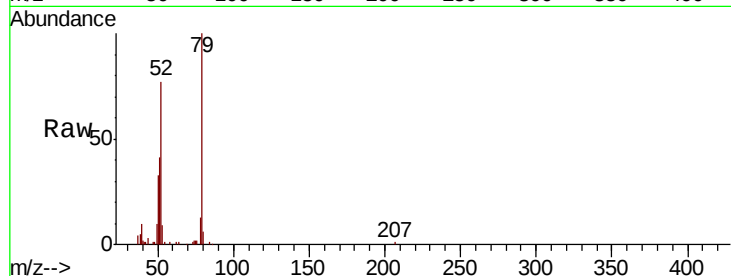
ClientSampleId :

R-1MSD

Tot Ion:	79	Resp:	81580
Ion	Ratio	Lower	Upper
79	100		
52	77.5	59.7	89.5
51	40.6	31.8	47.6

Manual Integrations
APPROVED

mohammad
10/31/2019 2:51:58 PM



#4

n-Nitrosodimethylamine

Concen: 46.577 ng

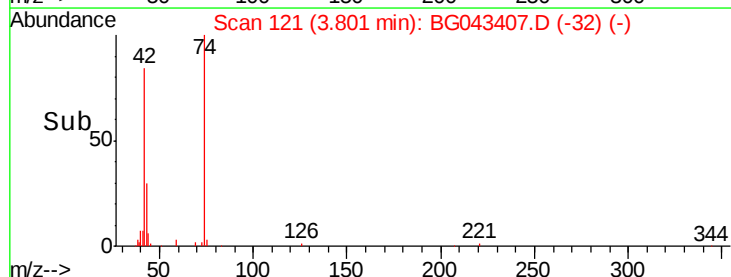
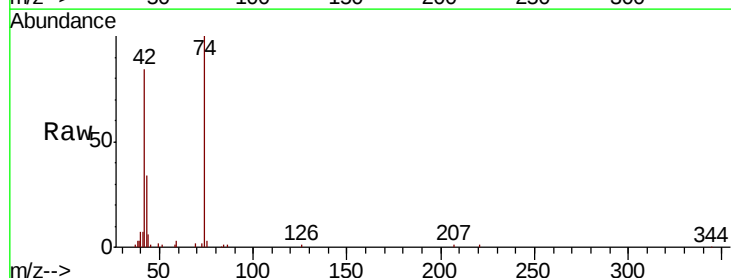
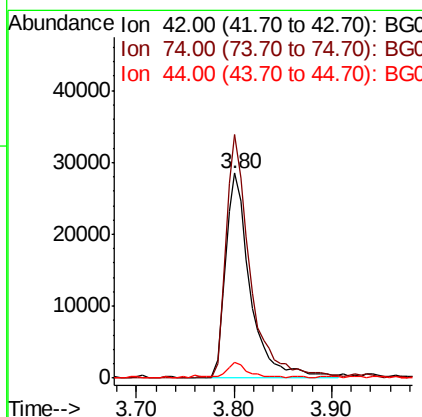
RT: 3.80 min Scan# 121

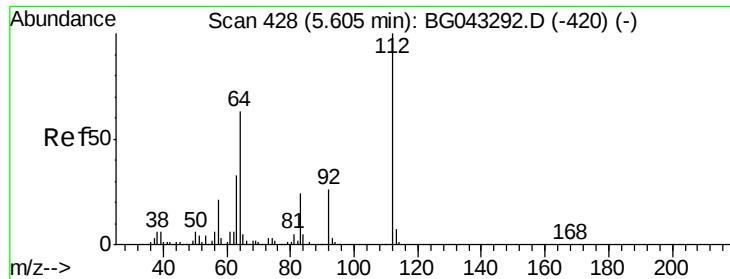
Delta R.T. -0.01 min

Lab File: BG043407.D

Acq: 30 Oct 2019 19:16

Tgt Ion:	42	Resp:	50171
Ion	Ratio	Lower	Upper
42	100		
74	119.0	84.2	126.2
44	7.4	6.0	9.0





#5

2-Fluorophenol

Concen: 109.630 ng

RT: 5.61 min Scan# 429

Delta R.T. 0.01 min

Lab File: BG043407.D

Acq: 30 Oct 2019 19:16

Instrument :

BNA_G

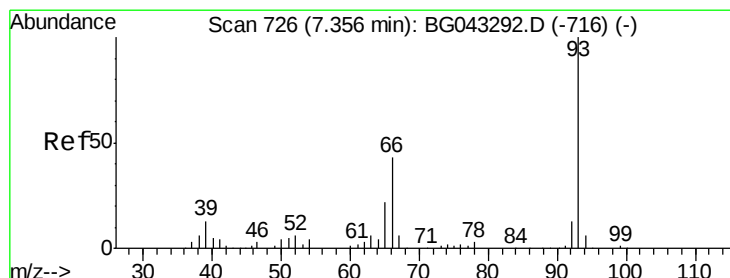
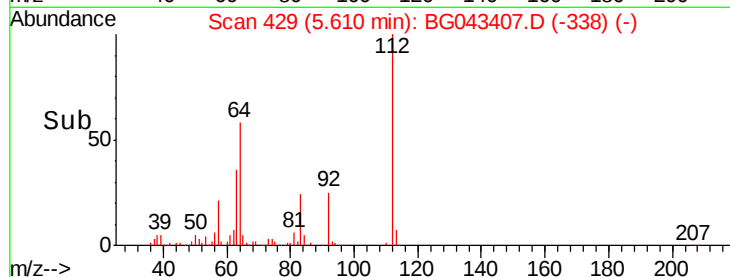
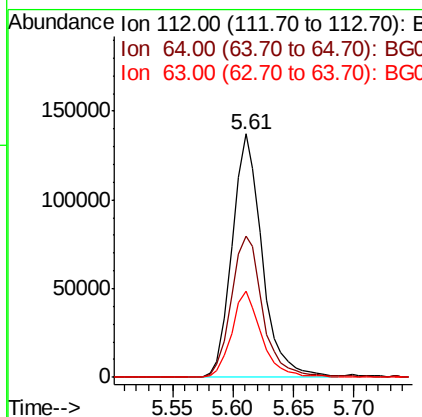
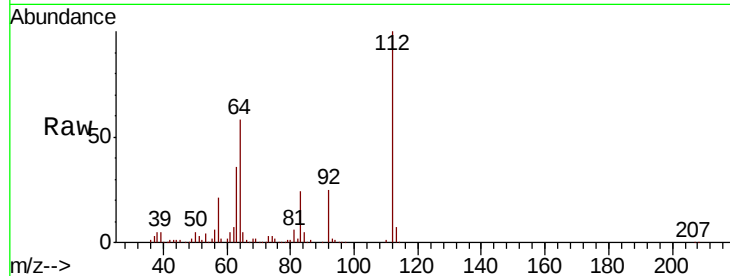
ClientSampled :

R-1MSD

Tot Ion	Ratio	Resp	Lower	Upper
112	100	238064		
64	58.2		50.2	75.2
63	35.6		26.7	40.1

Manual Integrations
APPROVED

mohammad
10/31/2019 2:51:58 PM



#6

Aniline

Concen: 38.355 ng

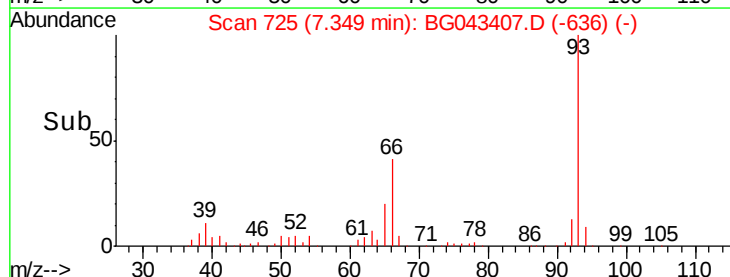
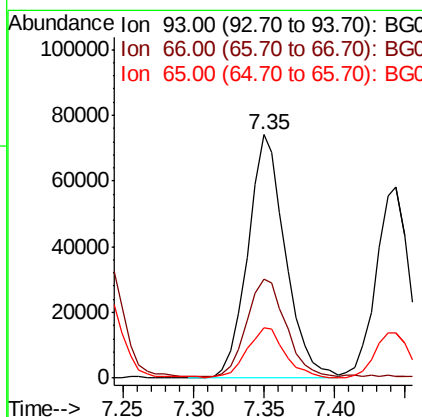
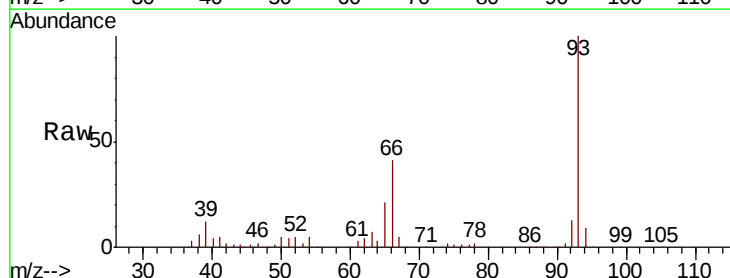
RT: 7.35 min Scan# 725

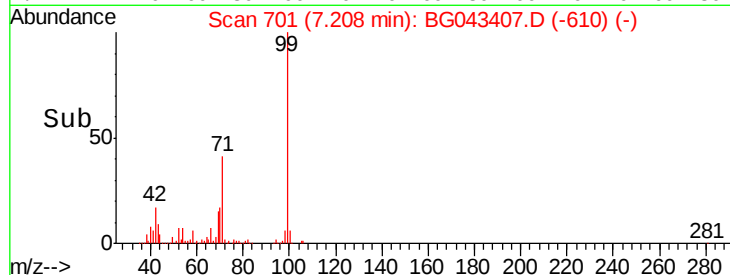
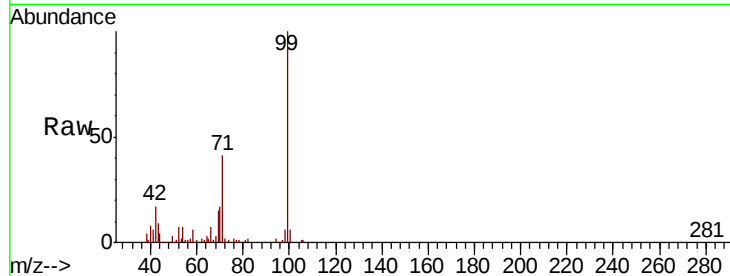
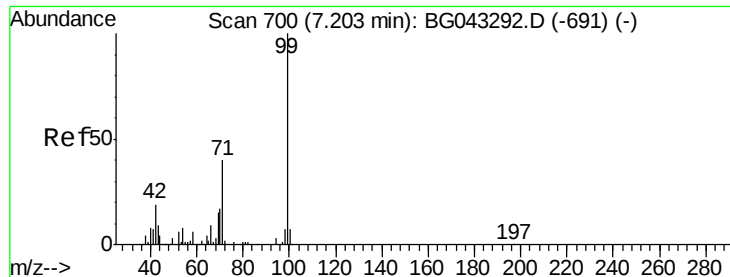
Delta R.T. -0.01 min

Lab File: BG043407.D

Acq: 30 Oct 2019 19:16

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	138044		
66	40.6		34.5	51.7
65	20.8		18.0	27.0





#7

Phenol-d6

Concen: 110.354 ng

RT: 7.21 min Scan# 701

Delta R.T. 0.01 min

Lab File: BG043407.D

Acq: 30 Oct 2019 19:16

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		344780		
42	17.3	14.9	22.3		
71	40.6	32.2	48.2		

Instrument :

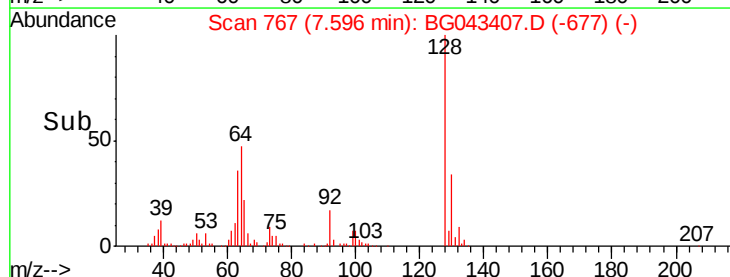
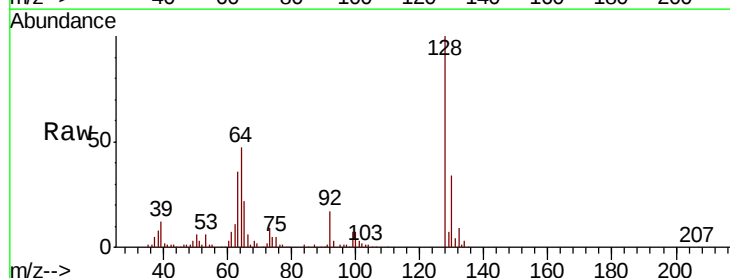
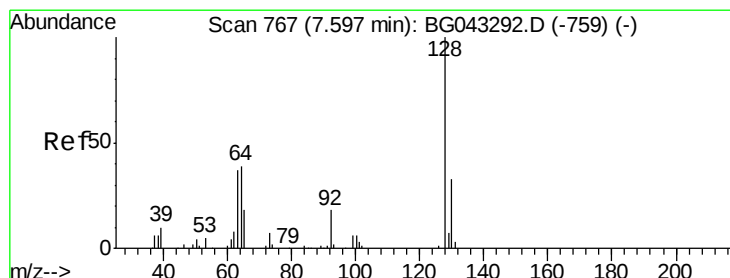
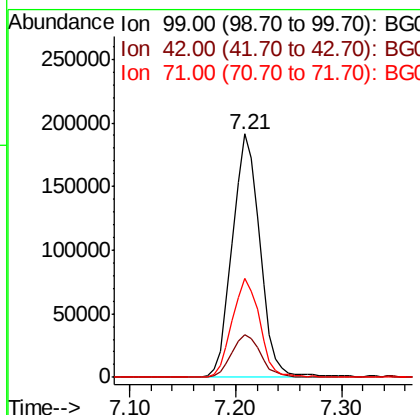
BNA_G

ClientSampleId :

R-1MSD

Manual Integrations
APPROVED

mohammad
10/31/2019 2:51:58 PM



#8

2-Chlorophenol

Concen: 49.145 ng

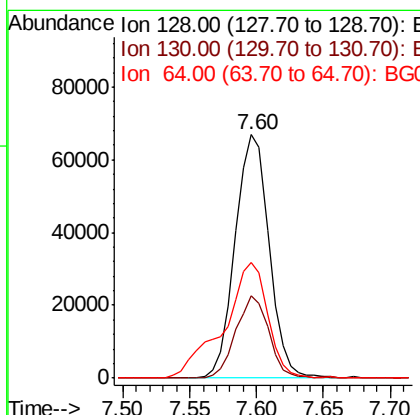
RT: 7.60 min Scan# 767

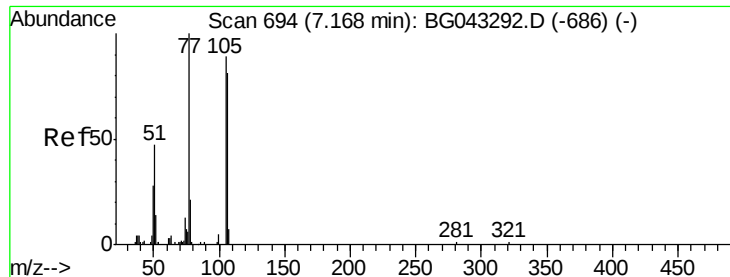
Delta R.T. -0.00 min

Lab File: BG043407.D

Acq: 30 Oct 2019 19:16

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
128	100		117807		
130	34.0	12.9	52.9		
64	47.4	24.9	64.9		





#9

Benzaldehyde

Concen: 39.787 ng

RT: 7.16 min Scan# 693

Delta R.T. -0.01 min

Lab File: BG043407.D

Acq: 30 Oct 2019 19:16

Instrument :

BNA_G

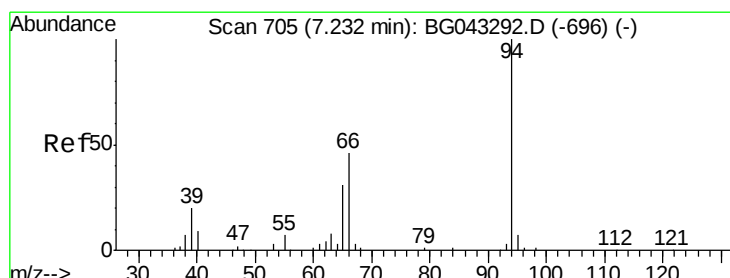
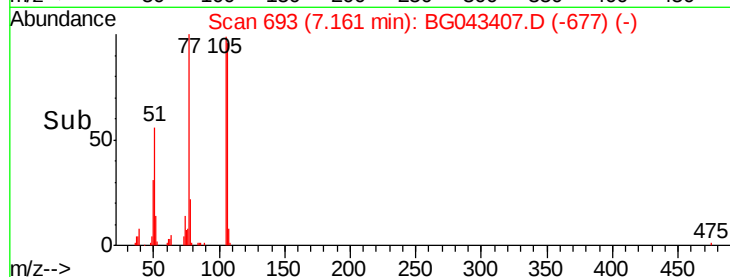
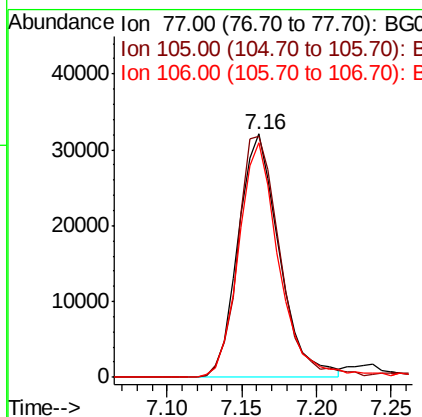
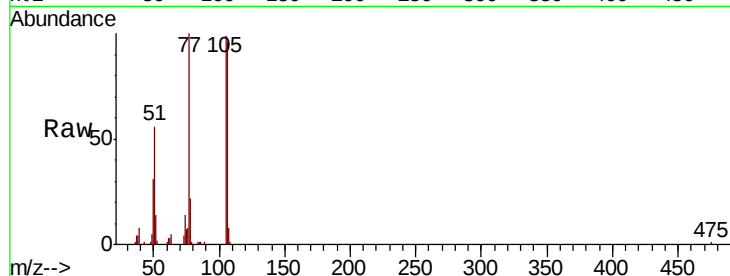
ClientSampleId :

R-1MSD

Tot Ion:	77	Resp:	61089
Ion	Ratio	Lower	Upper
77	100		
105	99.3	68.7	108.7
106	96.3	60.5	100.5

Manual Integrations
APPROVED

mohammad
10/31/2019 2:51:58 PM



#10

Phenol

Concen: 54.175 ng

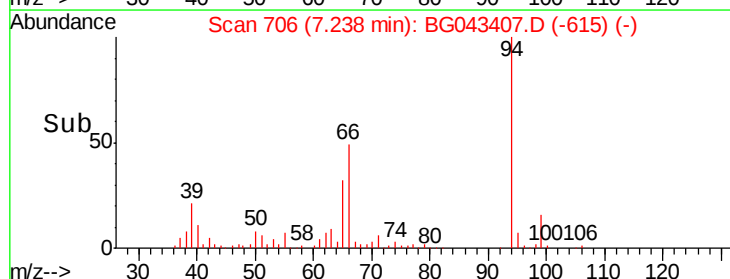
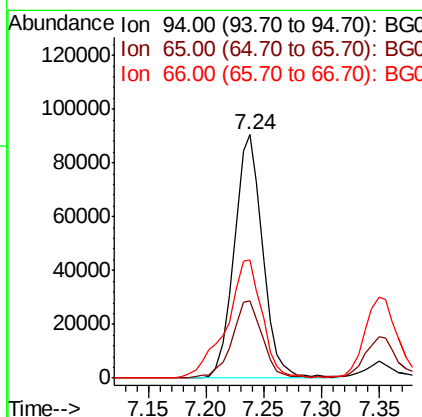
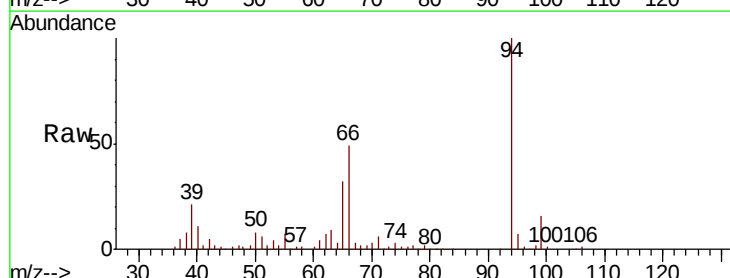
RT: 7.24 min Scan# 706

Delta R.T. 0.01 min

Lab File: BG043407.D

Acq: 30 Oct 2019 19:16

Tgt Ion:	94	Resp:	154667
Ion	Ratio	Lower	Upper
94	100		
65	31.6	11.1	51.1
66	48.7	27.8	67.8





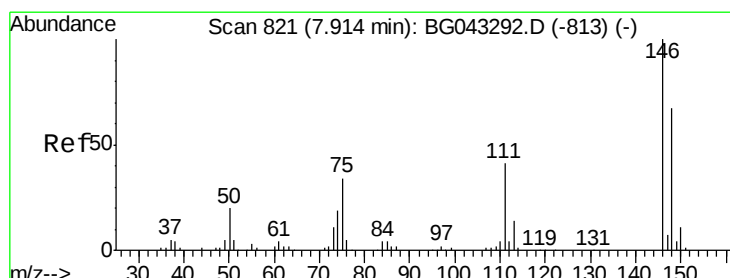
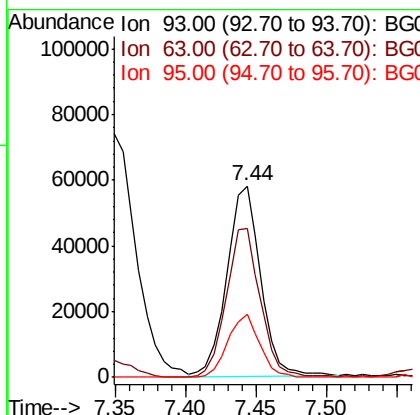
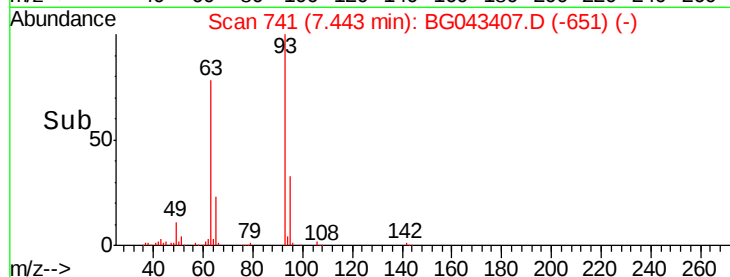
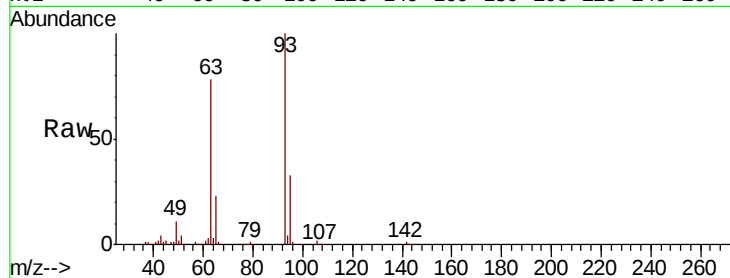
#11
bis(2-Chloroethyl)ether
Concen: 43.463 ng
RT: 7.44 min Scan# 741
Delta R.T. -0.00 min
Lab File: BG043407.D
Acq: 30 Oct 2019 19:16

Instrument :
BNA_G
ClientSampleId :
R-1MSD

Tot Ion	Ratio	Lower	Upper
93	100		
63	77.7	54.6	94.6
95	32.7	9.7	49.7

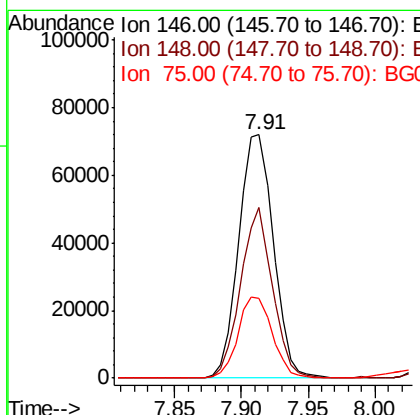
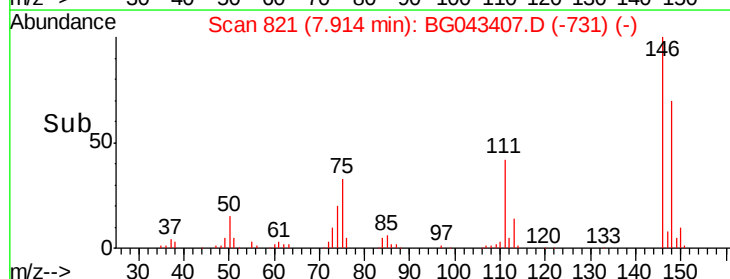
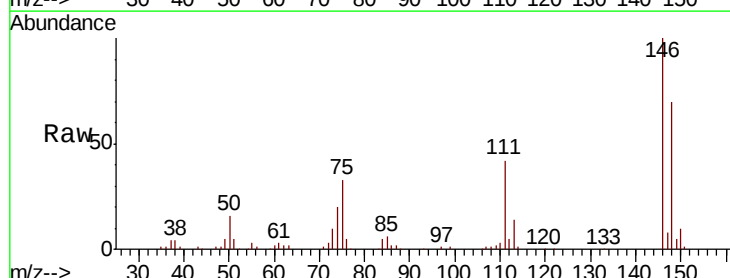
Manual Integrations
APPROVED

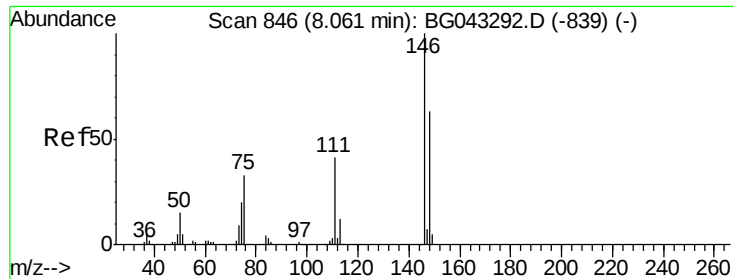
mohammad
10/31/2019 2:51:58 PM



#12
1,3-Dichlorobenzene
Concen: 43.143 ng
RT: 7.91 min Scan# 821
Delta R.T. -0.00 min
Lab File: BG043407.D
Acq: 30 Oct 2019 19:16

Tgt Ion	Ratio	Lower	Upper
146	100		
148	70.2	53.4	80.2
75	32.5	27.0	40.4





#13

1,4-Dichlorobenzene

Concen: 42.631 ng

RT: 8.05 min Scan# 845

Delta R.T. -0.01 min

Lab File: BG043407.D

Acq: 30 Oct 2019 19:16

Instrument :

BNA_G

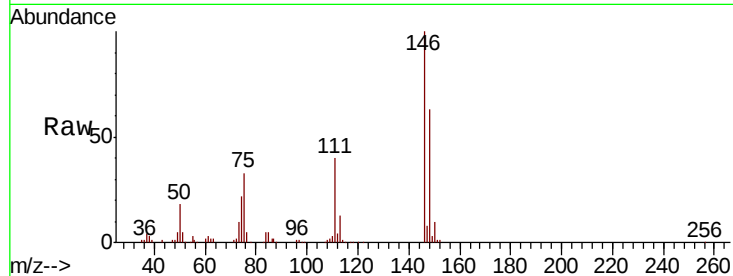
ClientSampled :

R-1MSD

Tot Ion:	146	Resp:	129542
Ion Ratio	Lower	Upper	
146	100		
148	62.9	50.7	76.1
111	39.8	33.0	49.6

Manual Integrations
APPROVED

mohammad
10/31/2019 2:51:58 PM

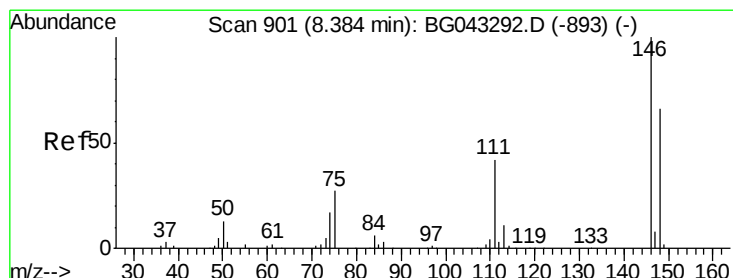
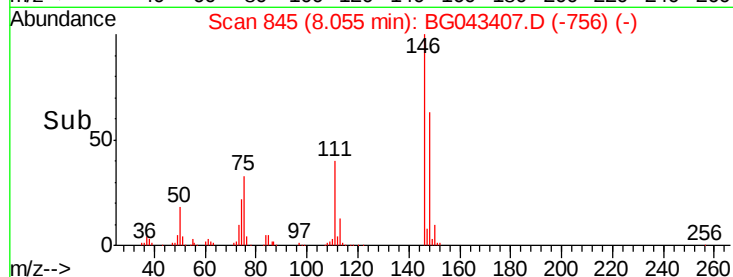
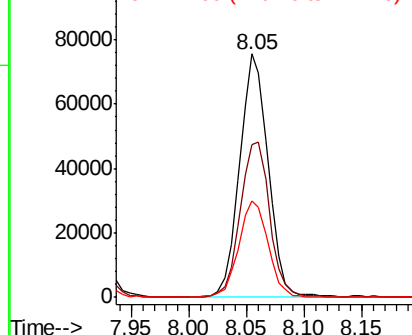


Abundance

Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 43.216 ng

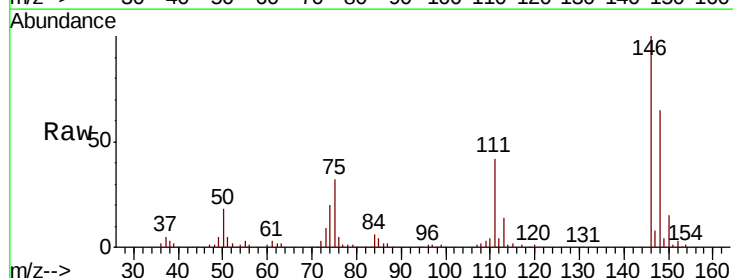
RT: 8.38 min Scan# 900

Delta R.T. -0.01 min

Lab File: BG043407.D

Acq: 30 Oct 2019 19:16

Tgt Ion:	146	Resp:	128221
Ion Ratio	Lower	Upper	
146	100		
148	65.1	53.0	79.4
111	42.0	34.5	51.7

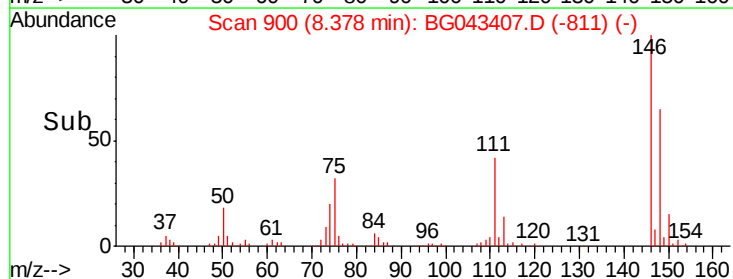
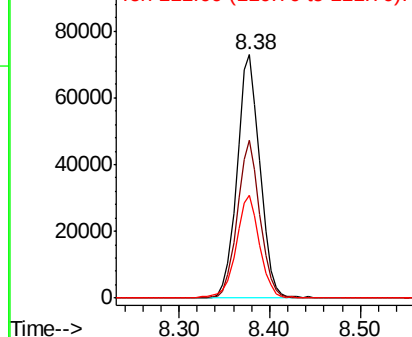


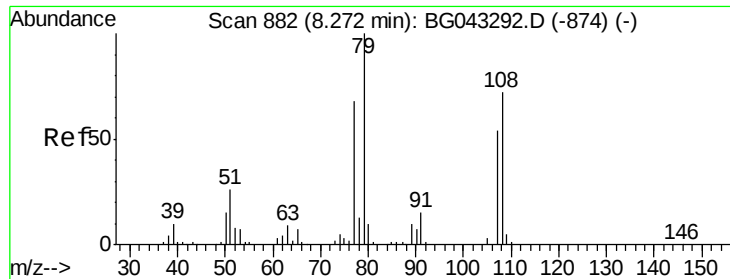
Abundance

Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 48.819 ng

RT: 8.27 min Scan# 882

Delta R.T. -0.00 min

Lab File: BG043407.D

Acq: 30 Oct 2019 19:16

Instrument :

BNA_G

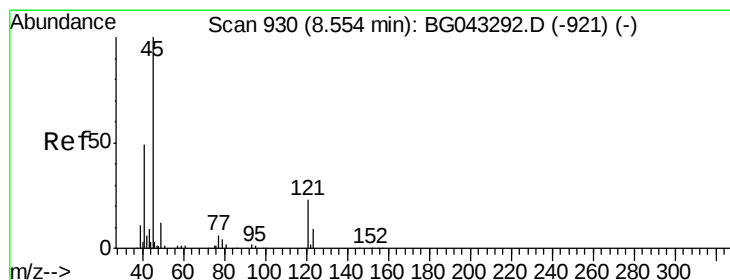
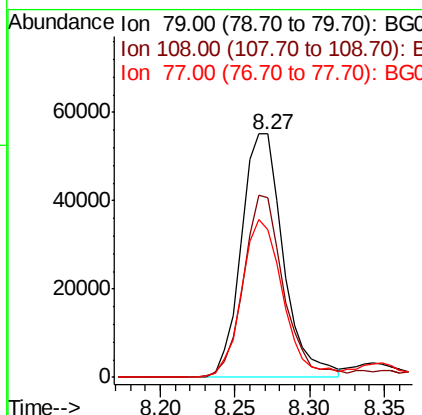
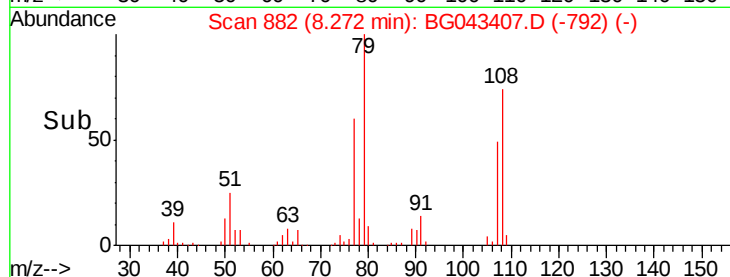
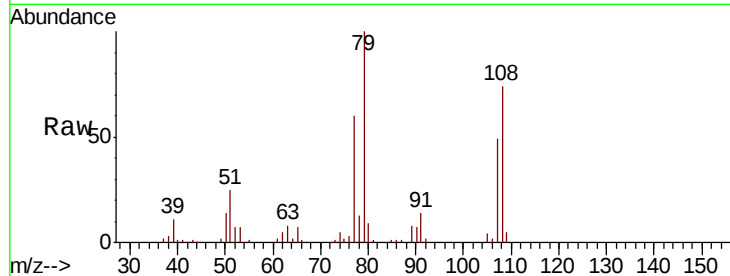
ClientSampled :

R-1MSD

Tot Ion:	79	Resp:	107119
Ion Ratio	Lower	Upper	
79	100		
108	73.9	57.3	85.9
77	60.5	54.6	81.8

Manual Integrations
APPROVED

mohammad
10/31/2019 2:51:58 PM



#16

2,2'-oxybis(1-Chloropropane)

Concen: 40.742 ng

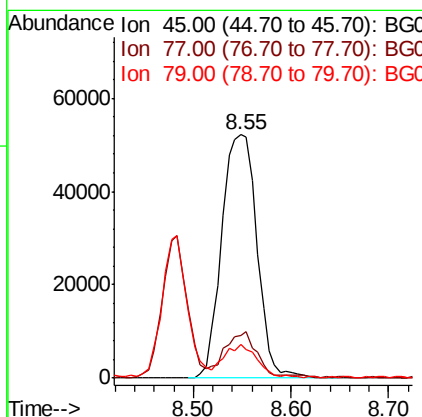
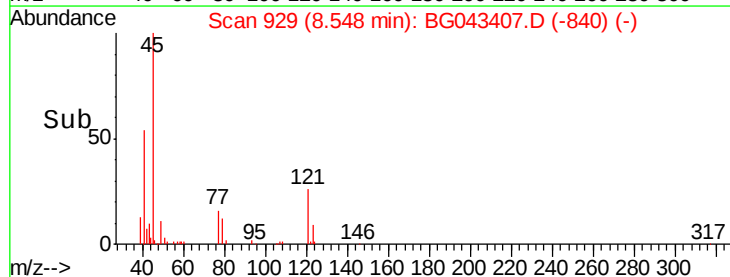
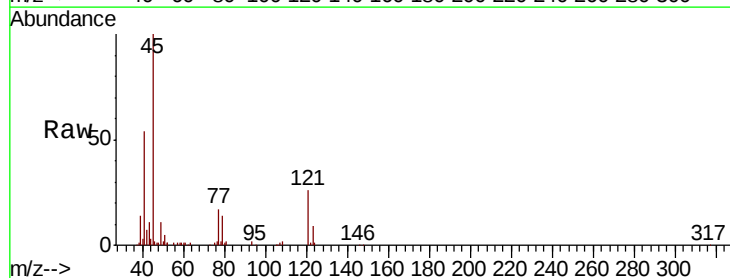
RT: 8.55 min Scan# 929

Delta R.T. -0.01 min

Lab File: BG043407.D

Acq: 30 Oct 2019 19:16

Tgt Ion:	45	Resp:	130764
Ion Ratio	Lower	Upper	
45	100		
77	17.3	0.0	34.2
79	13.6	0.0	32.3





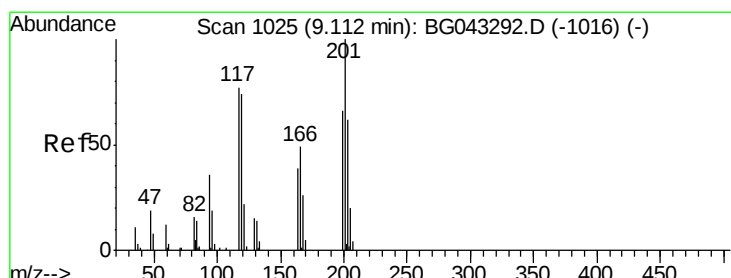
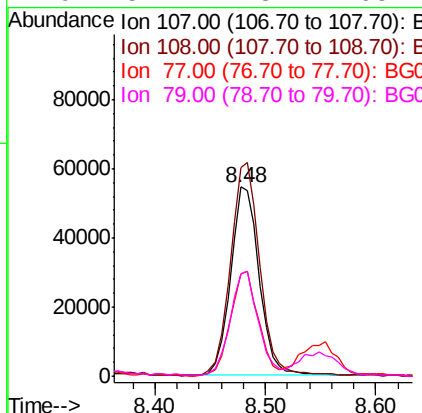
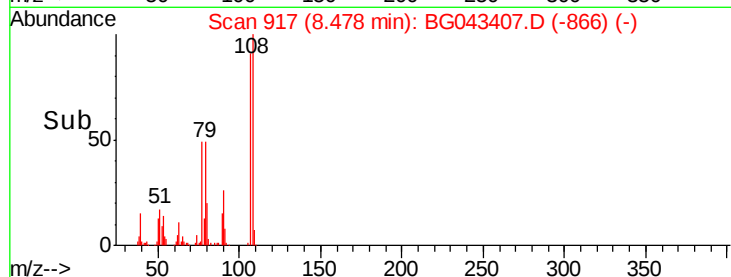
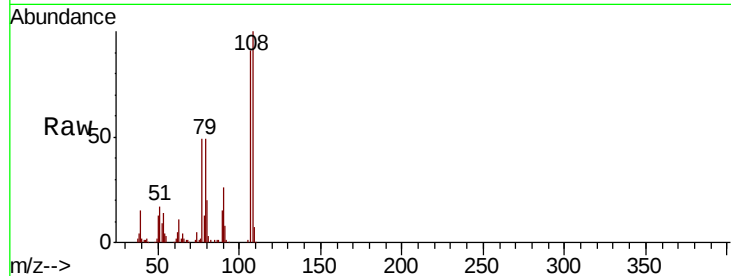
#17
2-Methylphenol
Concen: 47.759 ng
RT: 8.48 min Scan# 917
Delta R.T. -0.00 min
Lab File: BG043407.D
Acq: 30 Oct 2019 19:16

Instrument :
BNA_G
ClientSampleId :
R-1MSD

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	110.2	91.3	136.9	
77	54.1	43.0	64.6	
79	54.4	43.4	65.2	

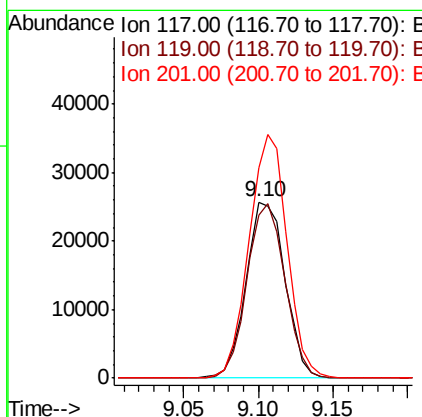
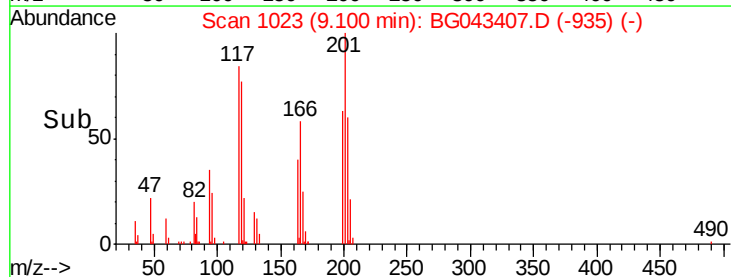
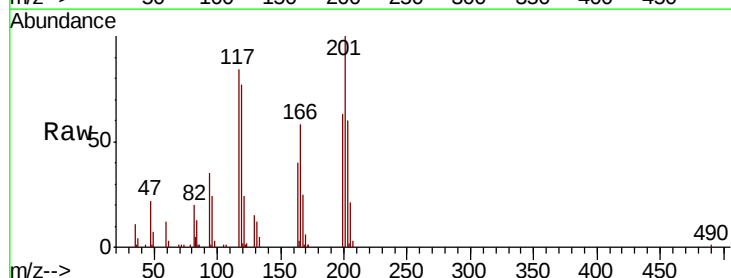
Manual Integrations
APPROVED

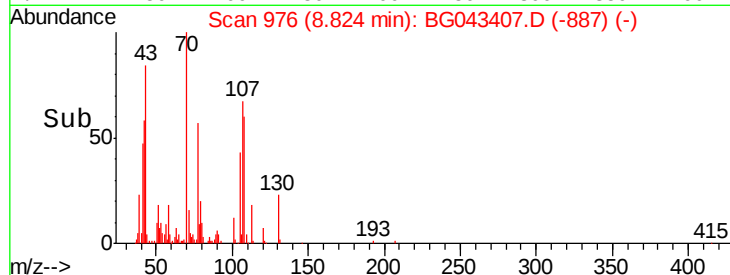
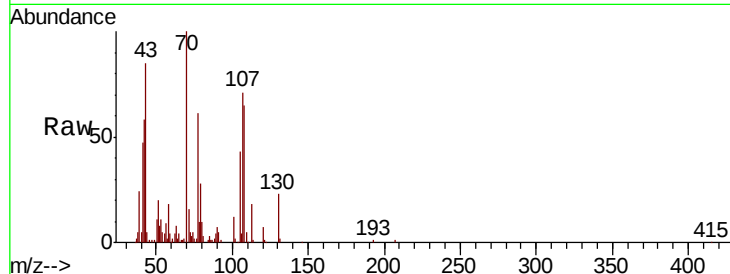
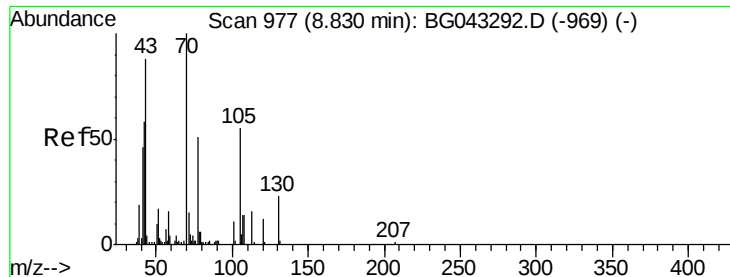
mohammad
10/31/2019 2:51:58 PM



#18
Hexachloroethane
Concen: 42.197 ng
RT: 9.10 min Scan# 1023
Delta R.T. -0.01 min
Lab File: BG043407.D
Acq: 30 Oct 2019 19:16

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	92.6	77.3	115.9	
201	119.6	104.2	156.4	





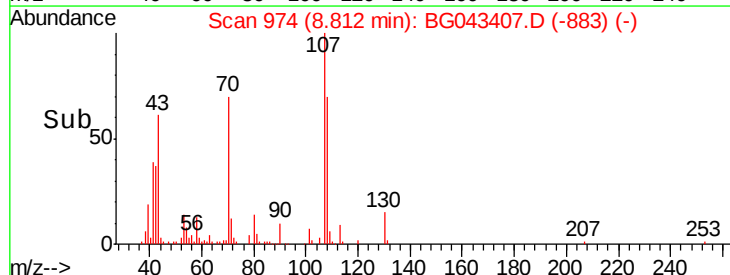
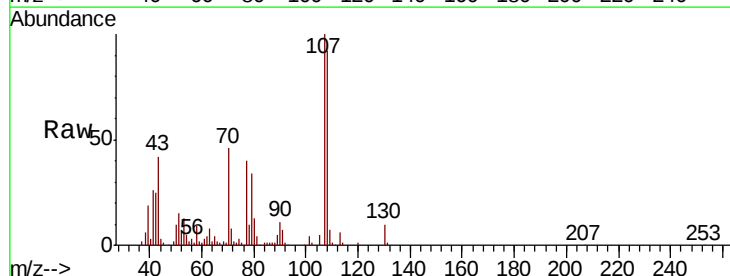
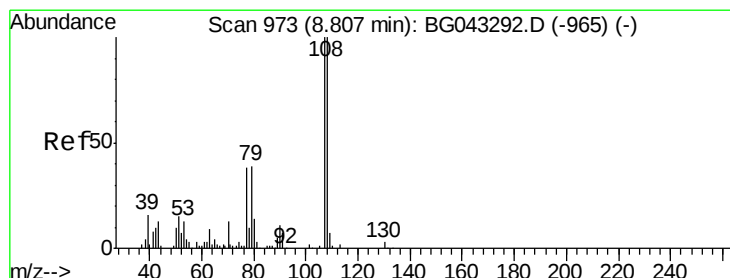
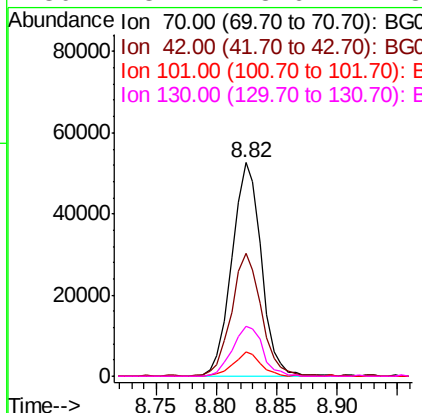
#19
n-Nitroso-di-n-propylamine
Concen: 44.424 ng
RT: 8.82 min Scan# 976
Delta R.T. -0.01 min
Lab File: BG043407.D
Acq: 30 Oct 2019 19:16

Instrument :
BNA_G
ClientSampleId :
R-1MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
70	100				
42	57.6	46.2	69.2		
101	11.7	8.6	13.0		
130	23.2	18.6	27.8		

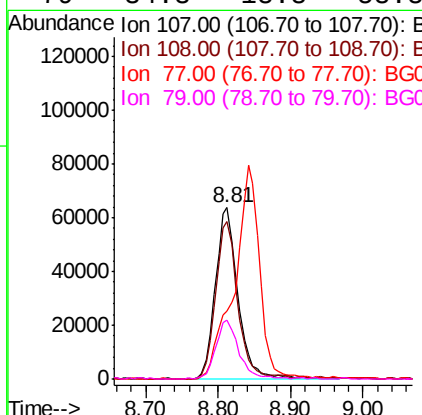
Manual Integrations
APPROVED

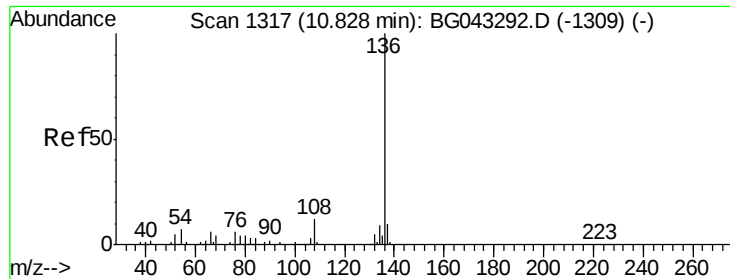
mohammad
10/31/2019 2:51:58 PM



#20
3+4-Methylphenols
Concen: 48.486 ng
RT: 8.81 min Scan# 974
Delta R.T. 0.01 min
Lab File: BG043407.D
Acq: 30 Oct 2019 19:16

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100				
108	92.4	80.3	120.3		
77	39.7	18.2	58.2		
79	34.3	18.8	58.8		





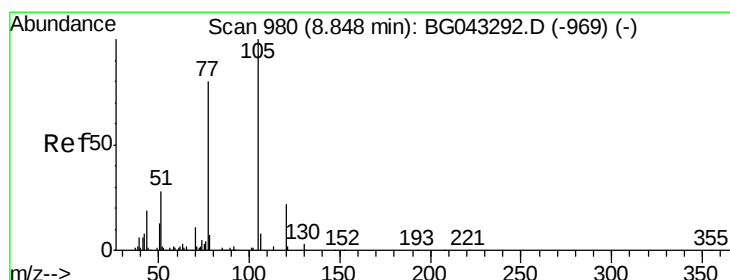
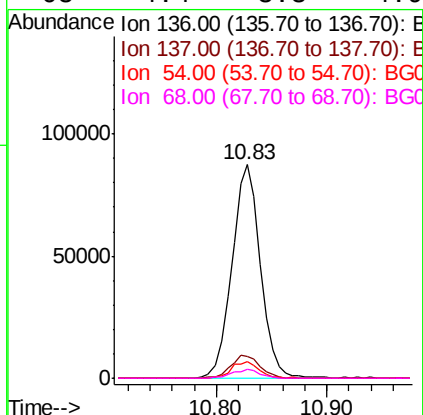
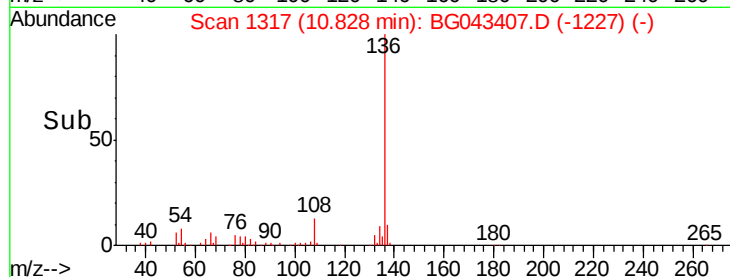
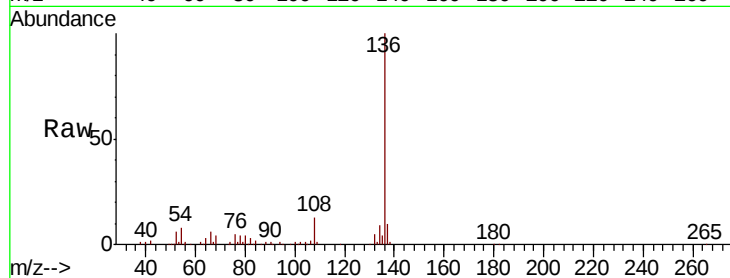
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1317
Delta R.T. -0.00 min
Lab File: BG043407.D
Acq: 30 Oct 2019 19:16

Instrument :
BNA_G
ClientSampleId :
R-1MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100				
137	10.5		8.2	12.2	
54	7.7		5.4	8.2	
68	4.4		3.3	4.9	

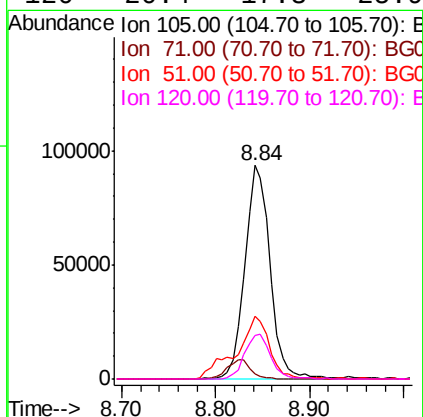
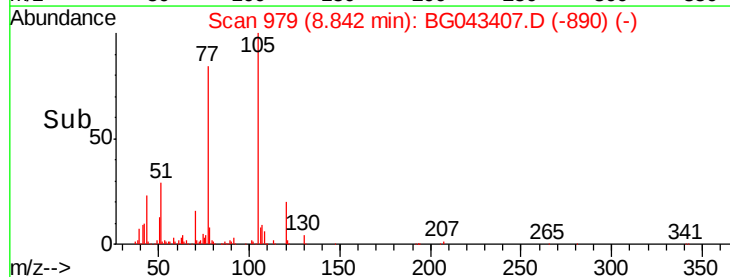
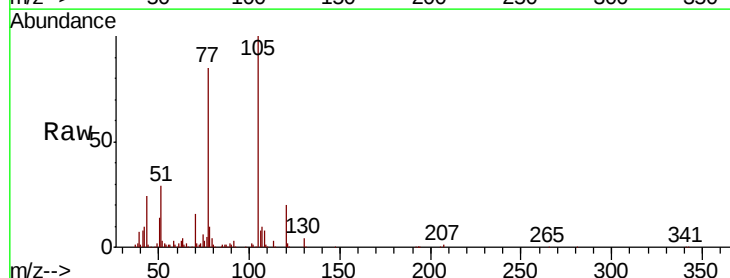
Manual Integrations
APPROVED

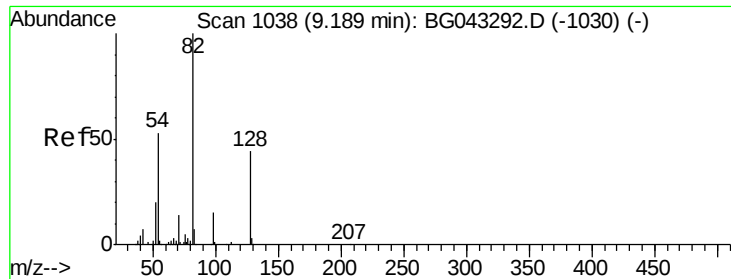
mohammad
10/31/2019 2:51:58 PM



#22
Acetophenone
Concen: 43.038 ng
RT: 8.84 min Scan# 979
Delta R.T. -0.01 min
Lab File: BG043407.D
Acq: 30 Oct 2019 19:16

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100				
71	2.3		1.5	2.3#	
51	29.4		23.9	35.9	
120	20.4		17.3	25.9	





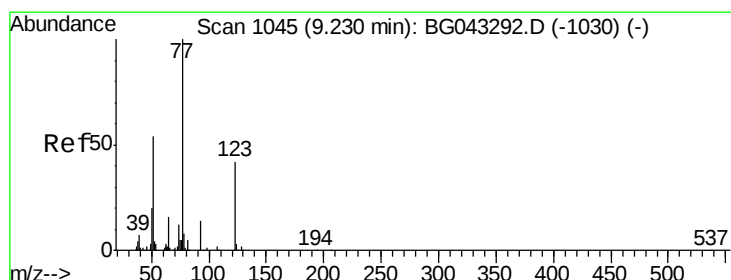
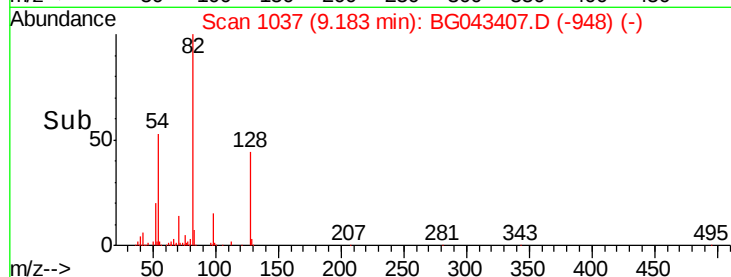
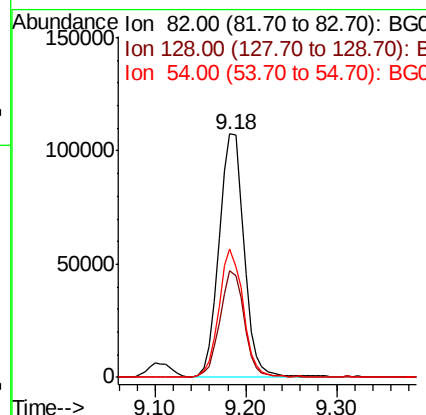
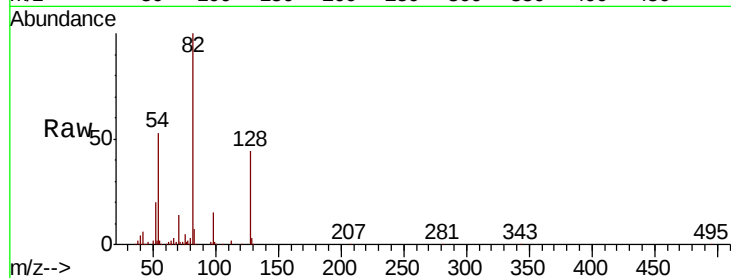
#23
 Nitrobenzene-d5
 Concen: 67.466 ng
 RT: 9.18 min Scan# 1037
 Delta R.T. -0.01 min
 Lab File: BG043407.D
 Acq: 30 Oct 2019 19:16

Instrument :
 BNA_G
 ClientSampled :
 R-1MSD

Tot Ion	Ratio	Lower	Upper
82	100		
128	43.6	35.3	52.9
54	52.6	42.3	63.5

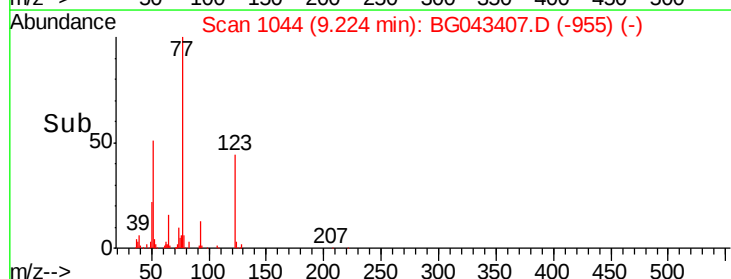
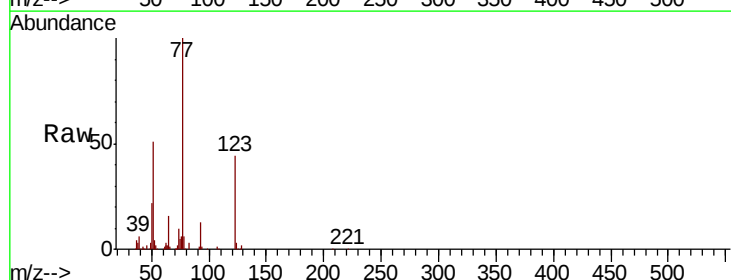
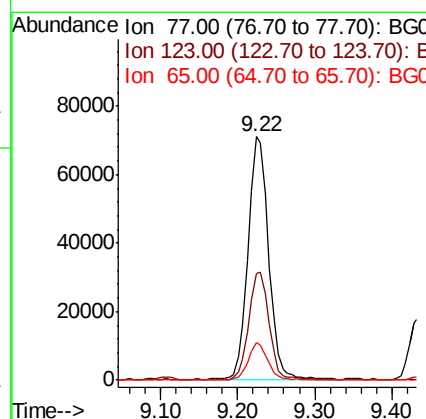
Manual Integrations
 APPROVED

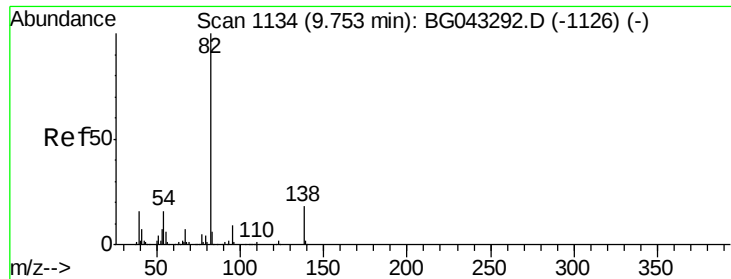
mohammad
 10/31/2019 2:51:58 PM



#24
 Nitrobenzene
 Concen: 46.458 ng
 RT: 9.22 min Scan# 1044
 Delta R.T. -0.01 min
 Lab File: BG043407.D
 Acq: 30 Oct 2019 19:16

Tgt Ion	Ratio	Lower	Upper
77	100		
123	43.6	33.8	50.8
65	15.6	13.0	19.4





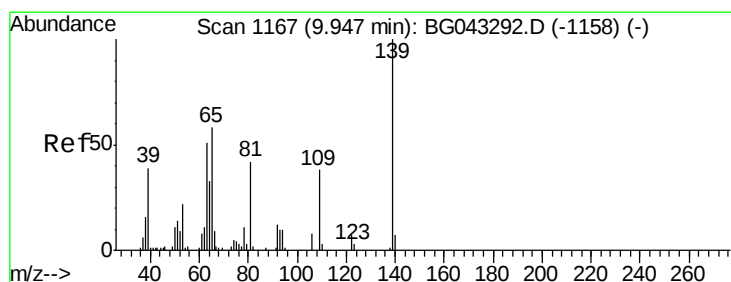
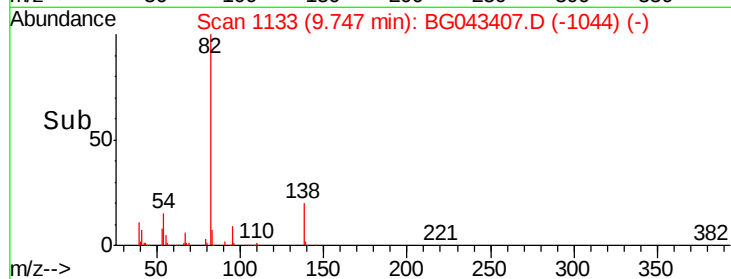
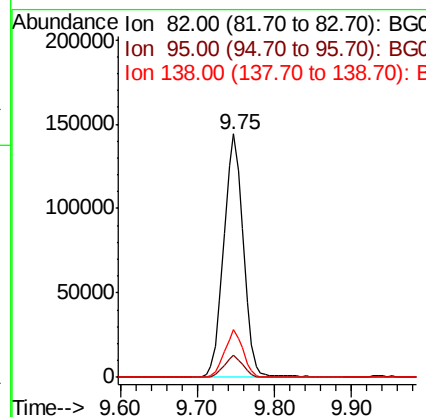
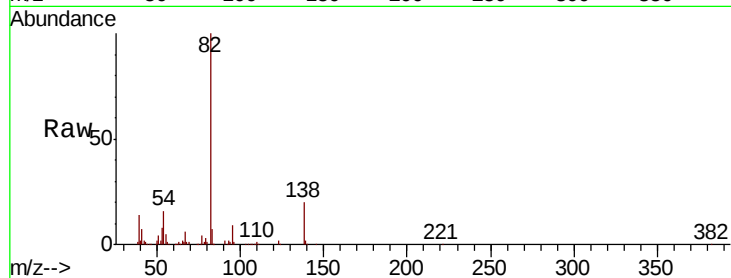
#25
Isophorone
Concen: 45.546 ng
RT: 9.75 min Scan# 1133
Delta R.T. -0.01 min
Lab File: BG043407.D
Acq: 30 Oct 2019 19:16

Instrument :
BNA_G
ClientSampleId :
R-1MSD

Tot Ion	Ratio	Resp	Lower	Upper
82	100	254498		
95	8.9		6.9	10.3
138	19.6		14.2	21.2

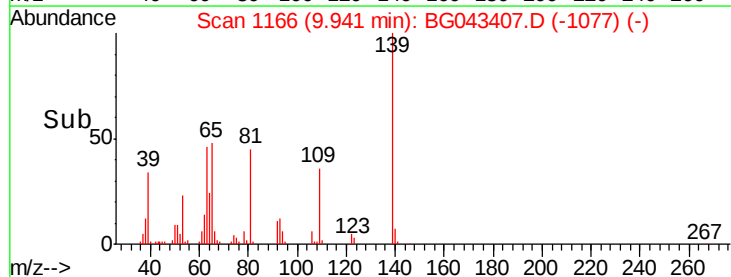
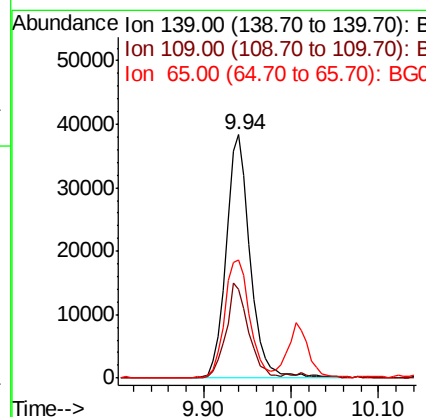
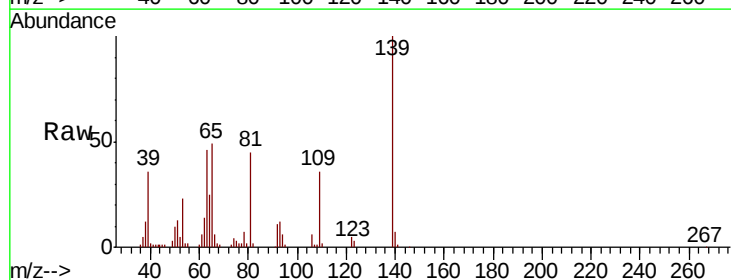
Manual Integrations
APPROVED

mohammad
10/31/2019 2:51:58 PM



#26
2-Nitrophenol
Concen: 51.530 ng
RT: 9.94 min Scan# 1166
Delta R.T. -0.01 min
Lab File: BG043407.D
Acq: 30 Oct 2019 19:16

Tgt Ion	Ratio	Resp	Lower	Upper
139	100	72431		
109	36.5		30.1	45.1
65	48.6		46.1	69.1





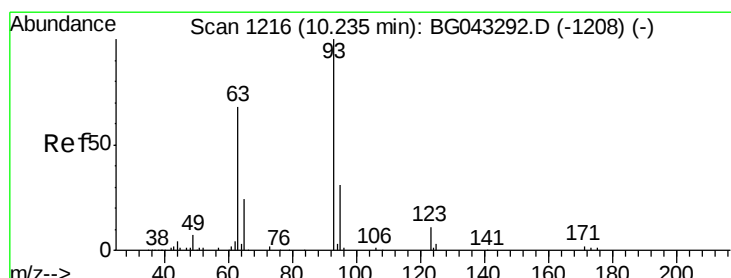
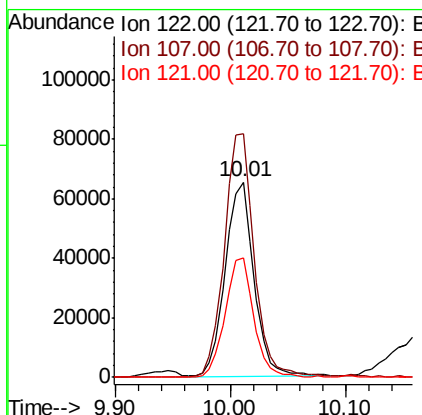
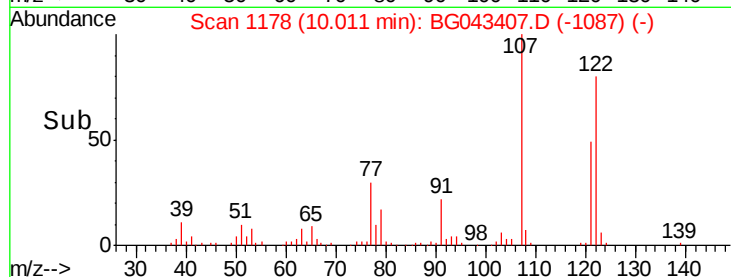
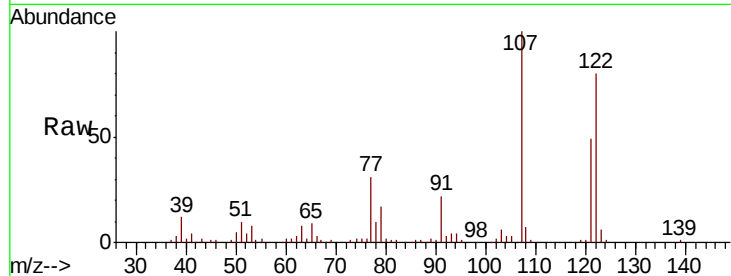
#27
2,4-Dimethylphenol
Concen: 56.204 ng
RT: 10.01 min Scan# 1178
Delta R.T. 0.01 min
Lab File: BG043407.D
Acq: 30 Oct 2019 19:16

Instrument :
BNA_G
ClientSampled :
R-1MSD

Tot Ion	Ratio	Lower	Upper
122	100		
107	124.9	98.6	147.8
121	61.5	50.1	75.1

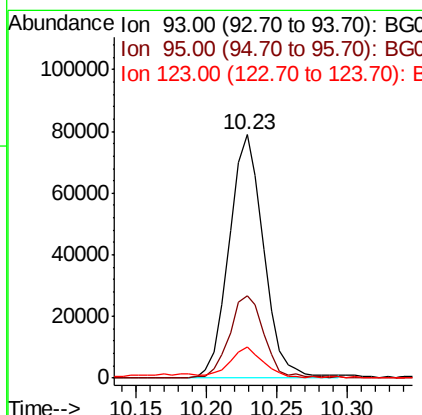
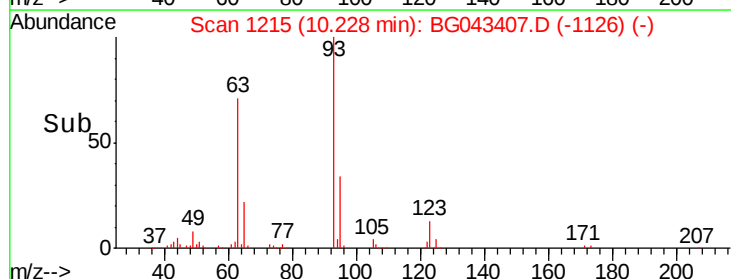
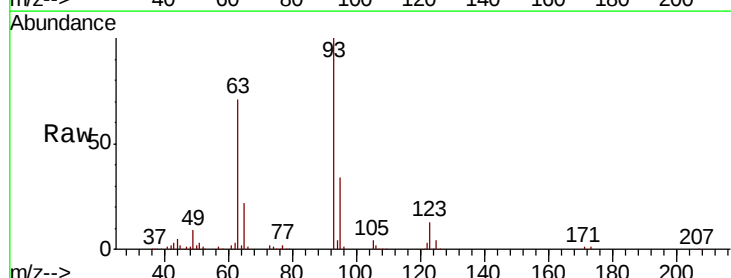
Manual Integrations
APPROVED

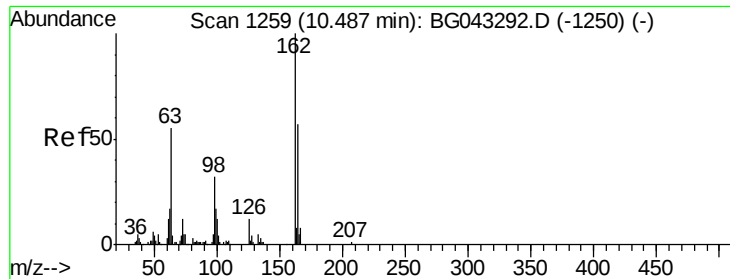
mohammad
10/31/2019 2:51:58 PM



#28
bis(2-Chloroethoxy)methane
Concen: 43.723 ng
RT: 10.23 min Scan# 1215
Delta R.T. -0.01 min
Lab File: BG043407.D
Acq: 30 Oct 2019 19:16

Tgt Ion	Ratio	Lower	Upper
93	100		
95	33.9	24.9	37.3
123	12.9	8.9	13.3





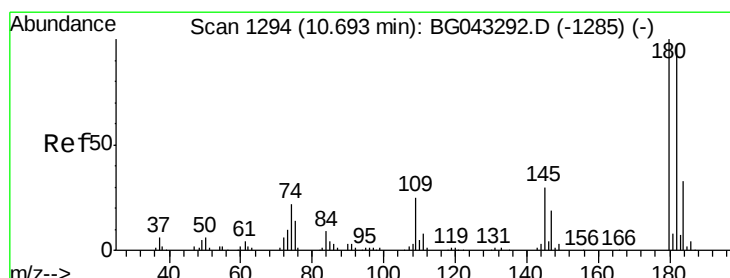
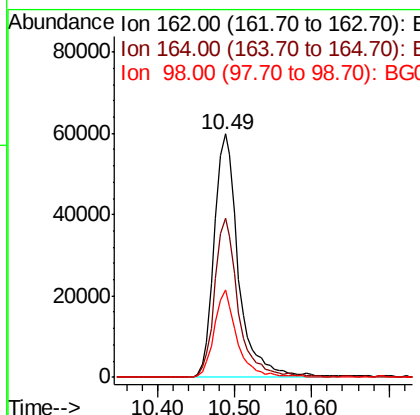
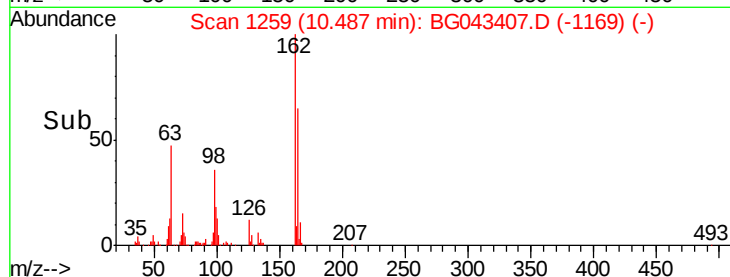
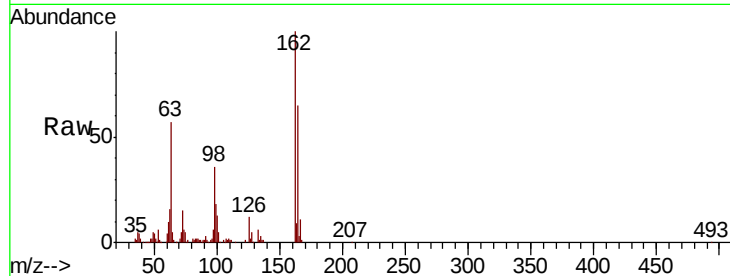
#29
2,4-Dichlorophenol
Concen: 50.486 ng
RT: 10.49 min Scan# 1259
Delta R.T. -0.00 min
Lab File: BG043407.D
Acq: 30 Oct 2019 19:16

Instrument :
BNA_G
ClientSampleId :
R-1MSD

Tot Ion	Ratio	Resp	Lower	Upper
162	100			
164	65.5	37.3	77.3	
98	36.0	11.8	51.8	

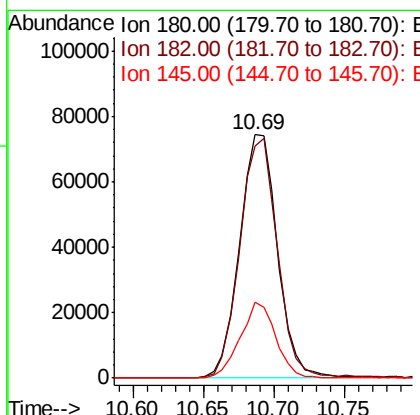
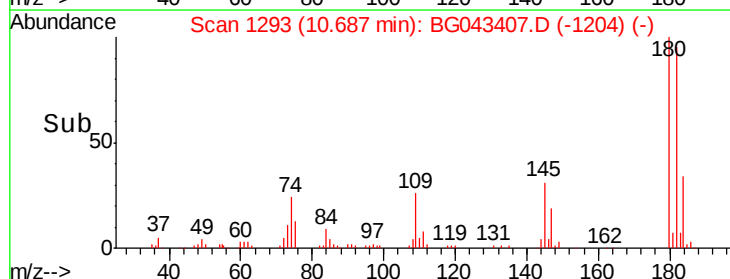
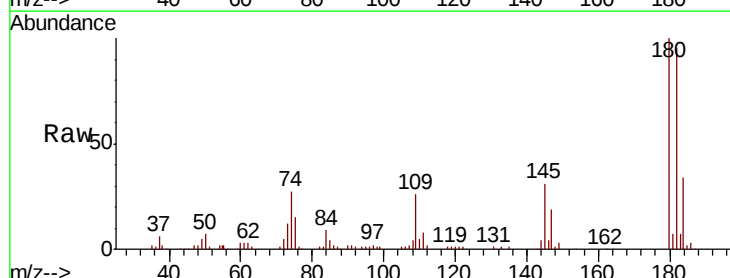
Manual Integrations
APPROVED

mohammad
10/31/2019 2:51:58 PM



#30
1,2,4-Trichlorobenzene
Concen: 42.949 ng
RT: 10.69 min Scan# 1293
Delta R.T. -0.01 min
Lab File: BG043407.D
Acq: 30 Oct 2019 19:16

Tgt Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.2	77.8	116.8	
145	31.3	23.6	35.4	





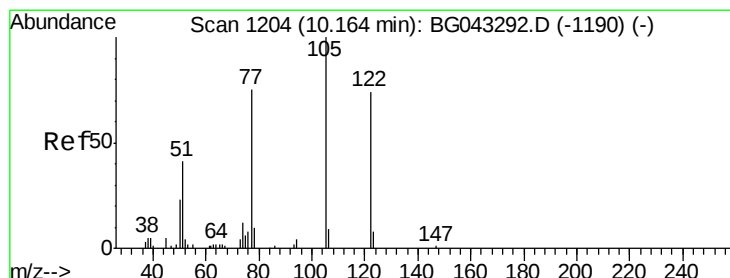
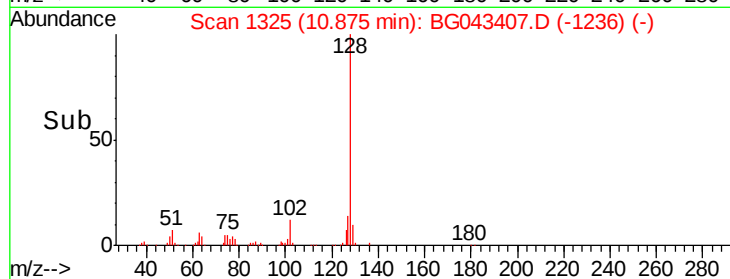
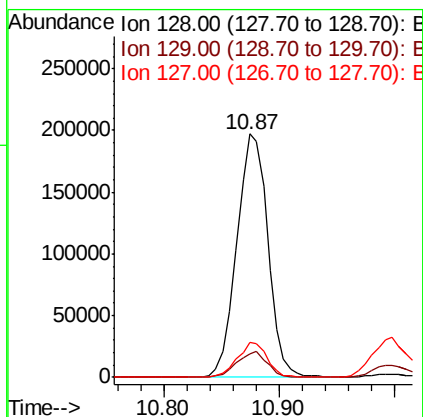
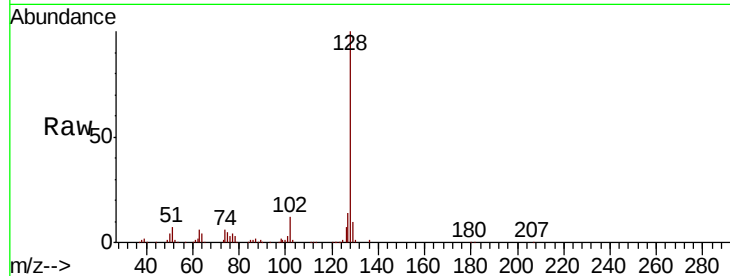
#31
Naphthalene
Concen: 46.058 ng
RT: 10.87 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BG043407.D
Acq: 30 Oct 2019 19:16

Instrument :
BNA_G
ClientSampleId :
R-1MSD

Tot Ion	Ratio	Lower	Upper
128	100		
129	9.8	8.6	12.8
127	14.2	11.5	17.3

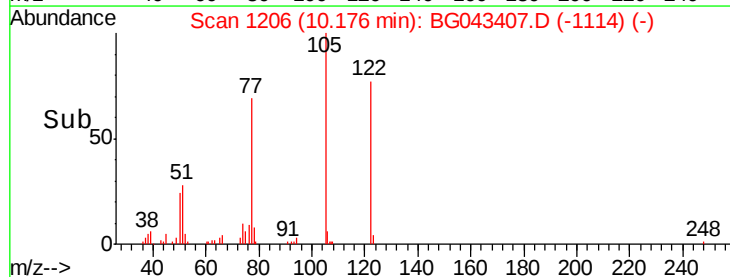
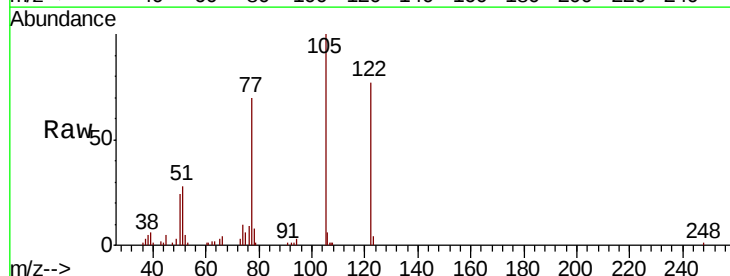
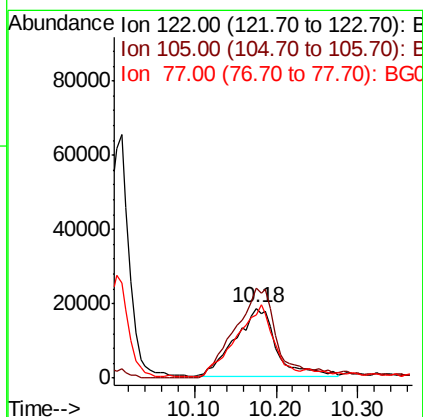
Manual Integrations
APPROVED

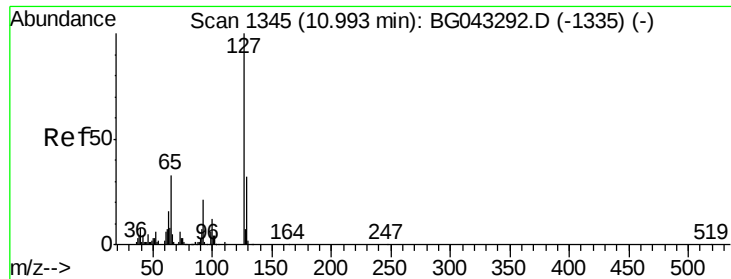
mohammad
10/31/2019 2:51:58 PM



#32
Benzoic acid
Concen: 43.165 ng
RT: 10.18 min Scan# 1206
Delta R.T. 0.01 min
Lab File: BG043407.D
Acq: 30 Oct 2019 19:16

Tgt Ion	Ratio	Lower	Upper
122	100		
105	129.4	112.4	152.4
77	90.7	82.7	122.7





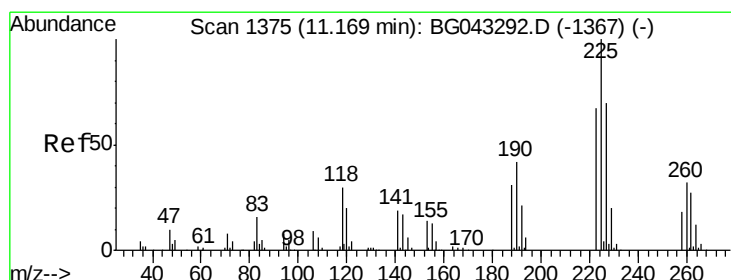
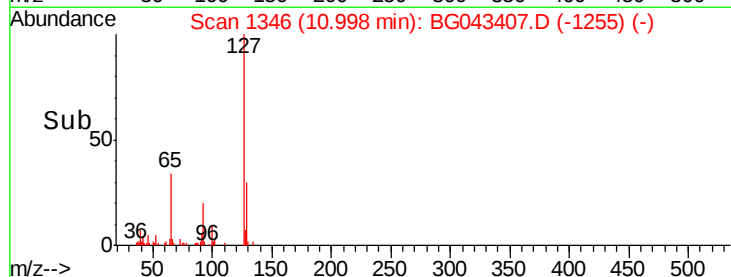
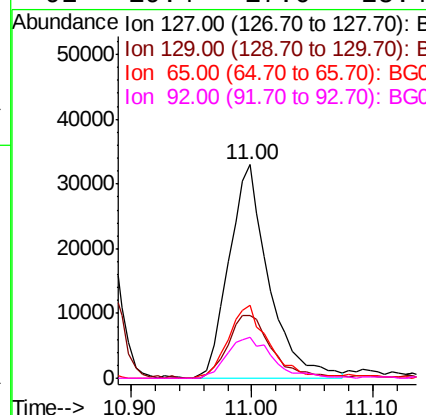
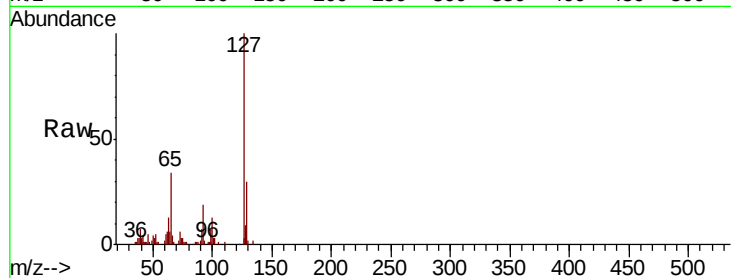
#33
4-Chloroaniline
Concen: 22.992 ng
RT: 11.00 min Scan# 1346
Delta R.T. 0.01 min
Lab File: BG043407.D
Acq: 30 Oct 2019 19:16

Instrument :
BNA_G
ClientSampled :
R-1MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100		75377		
129	29.6	25.8	38.8		
65	34.3	26.2	39.2		
92	19.4	17.0	25.4		

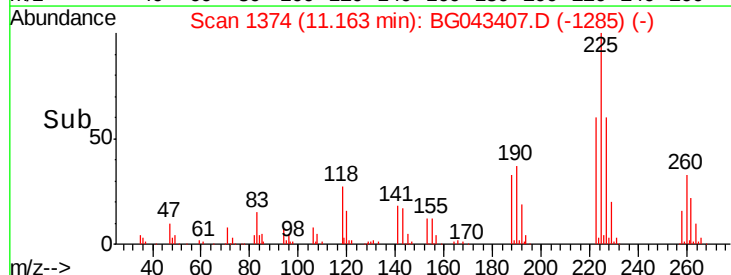
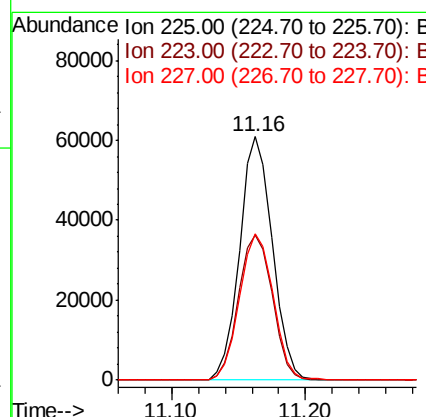
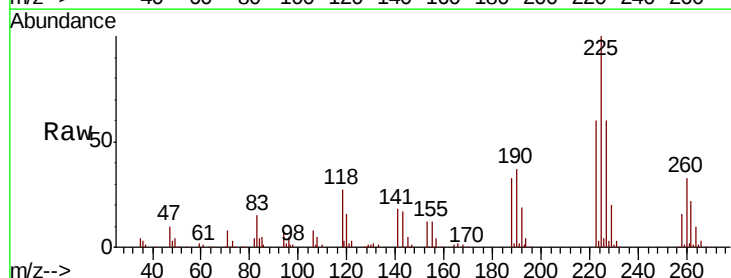
Manual Integrations
APPROVED

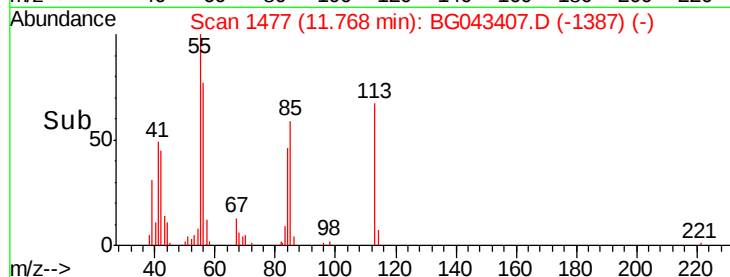
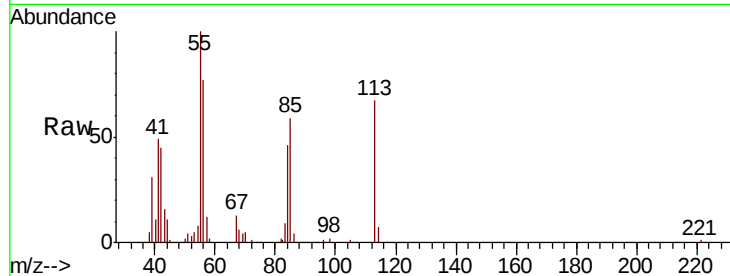
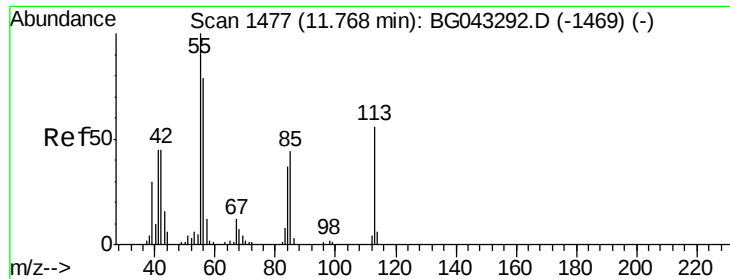
mohammad
10/31/2019 2:51:58 PM



#34
Hexachlorobutadiene
Concen: 42.930 ng
RT: 11.16 min Scan# 1374
Delta R.T. -0.01 min
Lab File: BG043407.D
Acq: 30 Oct 2019 19:16

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100		103244		
223	59.8	53.2	79.8		
227	60.0	56.2	84.2		





#35

Caprolactam

Concen: 46.611 ng/ml

RT: 11.77 min Scan# 1477

Delta R.T. -0.00 min

Lab File: BG043407.D

Acq: 30 Oct 2019 19:16

Instrument :

BNA_G

ClientSampled :

R-1MSD

Tot Ion:113 Resp: 41437

Ion Ratio Lower Upper

113 100

55 149.8 158.9 198.9#

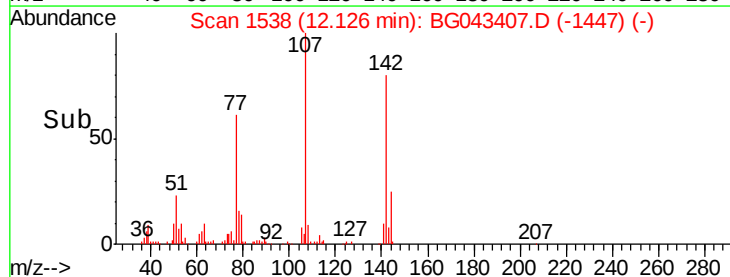
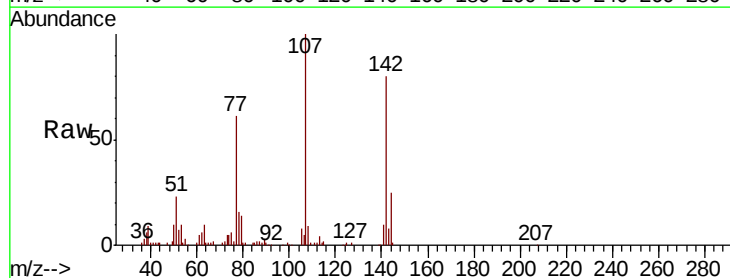
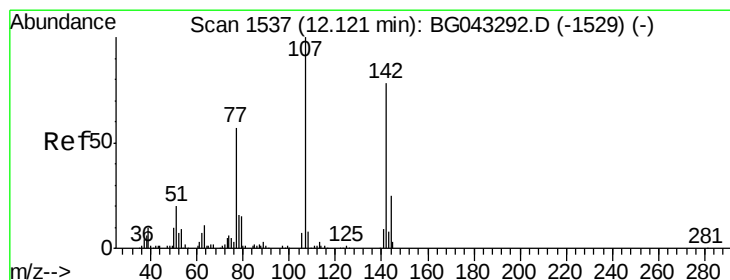
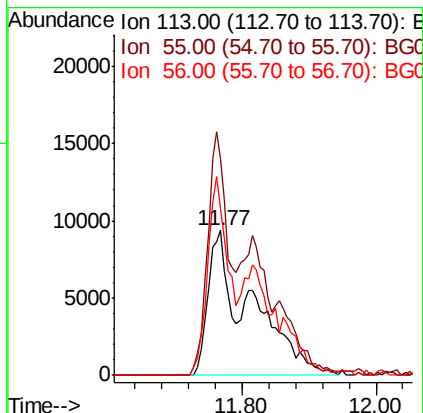
56 115.9 121.4 161.4#

Manual Integrations

APPROVED

mohammad

10/31/2019 2:51:58 PM



#36

4-Chloro-3-methylphenol

Concen: 49.872 ng/ml

RT: 12.13 min Scan# 1538

Delta R.T. 0.01 min

Lab File: BG043407.D

Acq: 30 Oct 2019 19:16

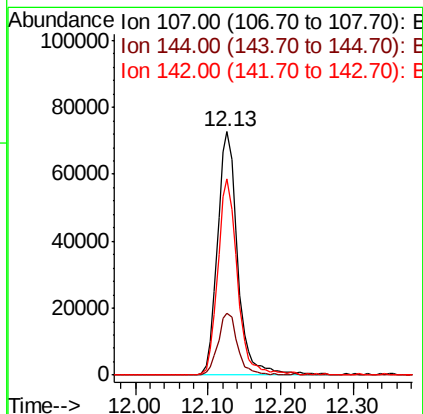
Tgt Ion:107 Resp: 140420

Ion Ratio Lower Upper

107 100

144 25.3 19.9 29.9

142 80.4 62.1 93.1





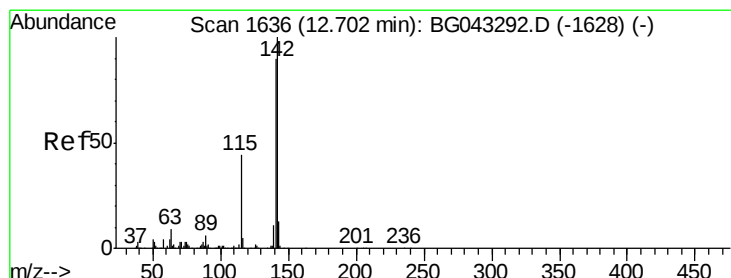
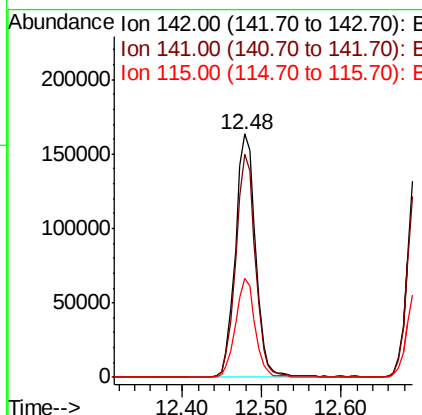
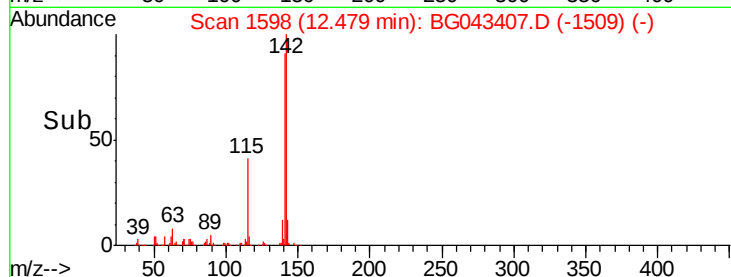
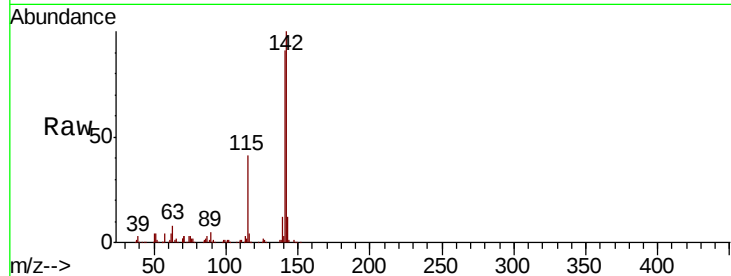
#37
2-Methylnaphthalene
Concen: 47.261 ng
RT: 12.48 min Scan# 1598
Delta R.T. -0.01 min
Lab File: BG043407.D
Acq: 30 Oct 2019 19:16

Instrument :
BNA_G
ClientSampleId :
R-1MSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	91.4	69.7	104.5
115	40.6	30.6	46.0

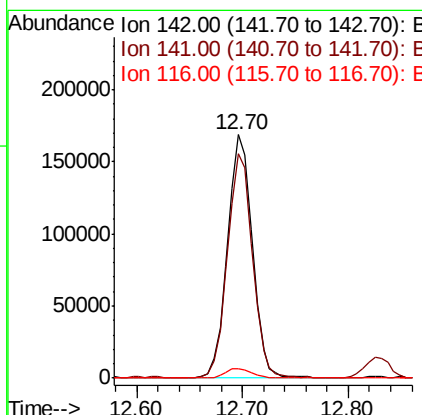
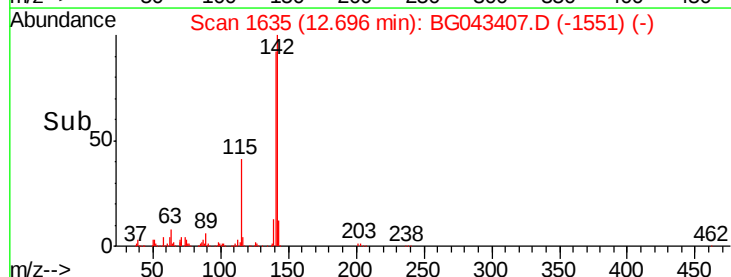
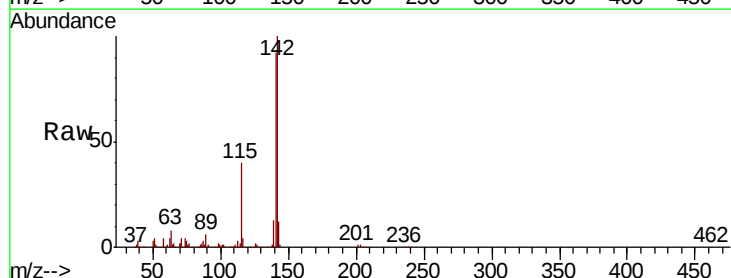
Manual Integrations
APPROVED

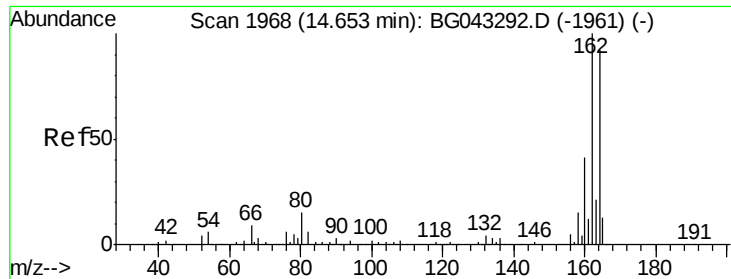
mohammad
10/31/2019 2:51:58 PM



#38
1-Methylnaphthalene
Concen: 46.383 ng
RT: 12.70 min Scan# 1635
Delta R.T. -0.01 min
Lab File: BG043407.D
Acq: 30 Oct 2019 19:16

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.9	72.3	108.5
116	4.0	3.8	5.6





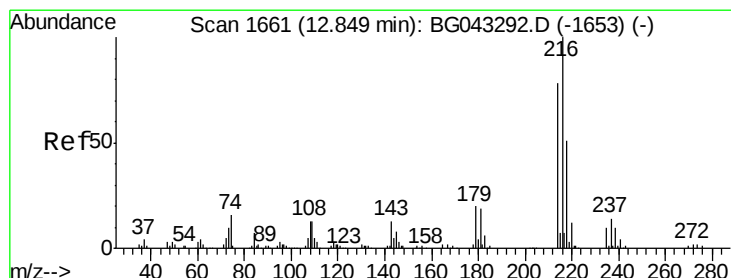
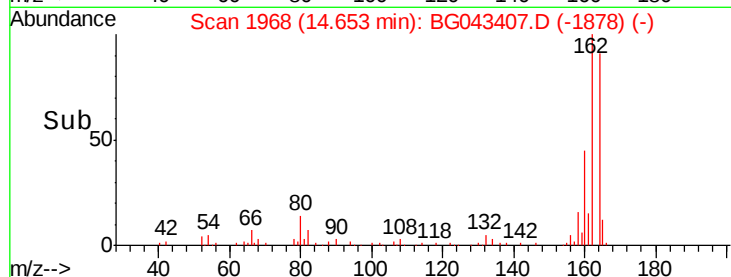
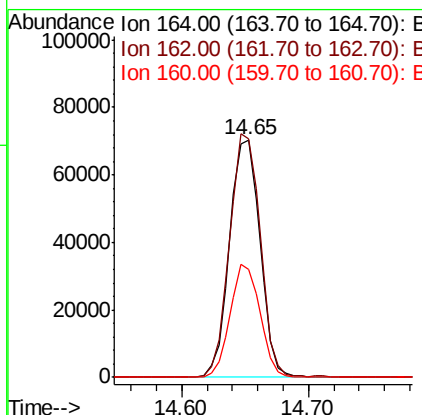
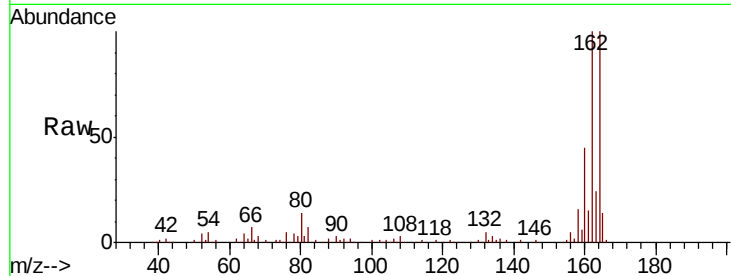
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.65 min Scan# 1968
Delta R.T. -0.00 min
Lab File: BG043407.D
Acq: 30 Oct 2019 19:16

Instrument :
BNA_G
ClientSampleID :
R-1MSD

Tot Ion	Ratio	Lower	Upper
164	100		
162	100.5	87.0	130.4
160	45.6	35.5	53.3

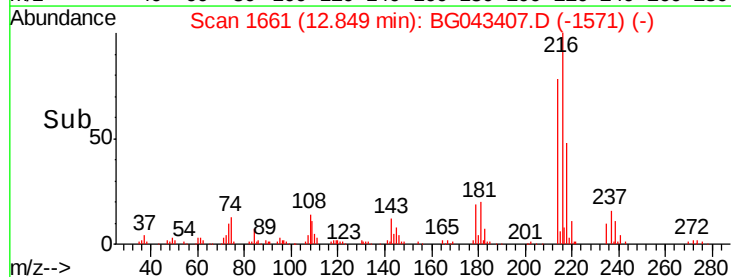
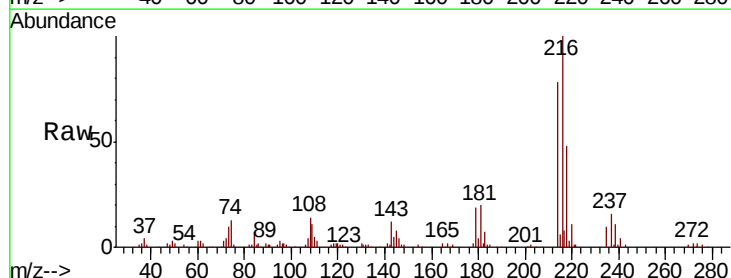
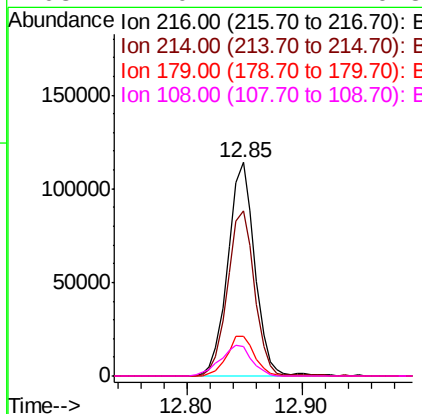
Manual Integrations
APPROVED

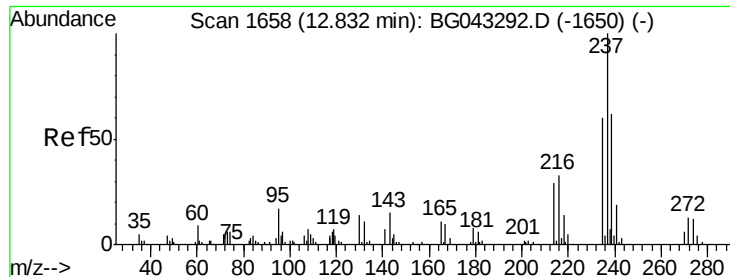
mohammad
10/31/2019 2:51:58 PM



#40
1,2,4,5-Tetrachlorobenzene
Concen: 42.650 ng
RT: 12.85 min Scan# 1661
Delta R.T. -0.00 min
Lab File: BG043407.D
Acq: 30 Oct 2019 19:16

Tgt Ion	Ratio	Lower	Upper
216	100		
214	77.8	63.5	95.3
179	19.2	16.2	24.2
108	17.0	11.2	16.8#





#41

Hexachlorocyclopentadiene

Concen: 102.191 ng

RT: 12.83 min Scan# 1657

Delta R.T. -0.01 min

Lab File: BG043407.D

Acq: 30 Oct 2019 19:16

Instrument :

BNA_G

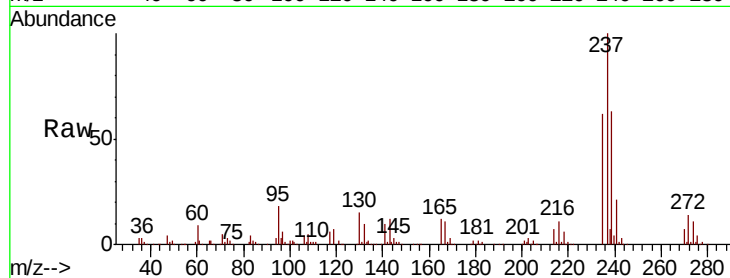
ClientSampleId :

R-1MSD

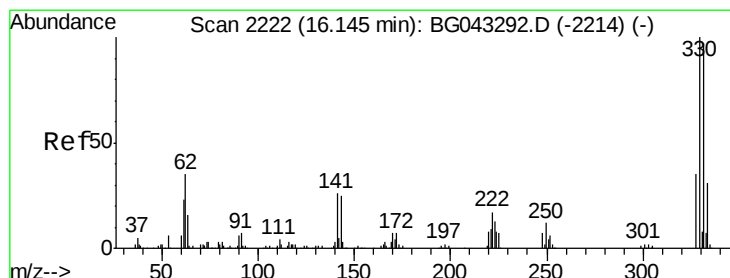
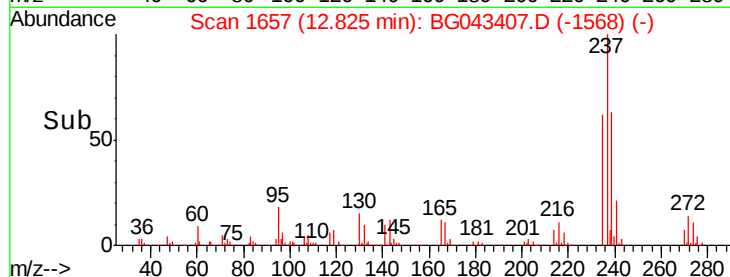
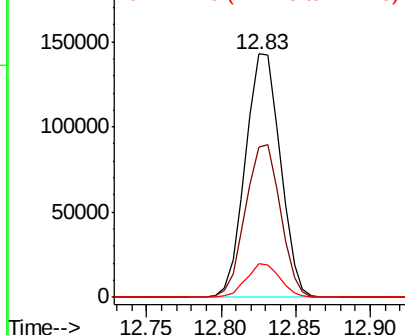
Tot Ion:	237	Resp:	231758
Ion Ratio	Lower	Upper	
237	100		
235	61.7	40.3	80.3
272	13.8	0.0	32.9

Manual Integrations
APPROVED

mohammad
10/31/2019 2:51:58 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: 101.653 ng

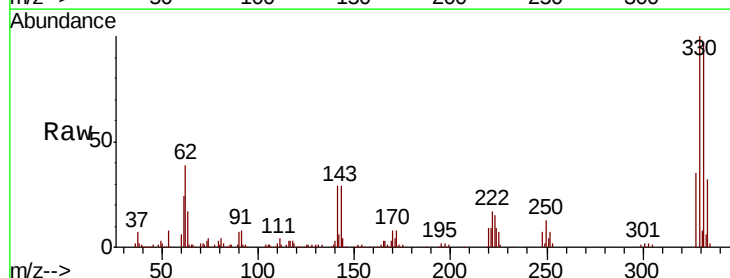
RT: 16.14 min Scan# 2221

Delta R.T. -0.01 min

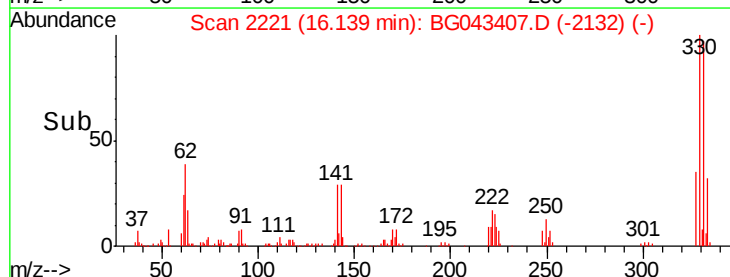
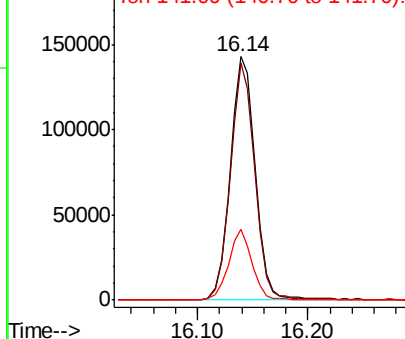
Lab File: BG043407.D

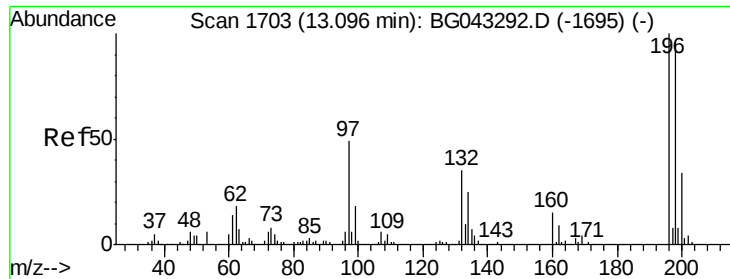
Acq: 30 Oct 2019 19:16

Tgt Ion:	330	Resp:	225667
Ion Ratio	Lower	Upper	
330	100		
332	95.5	76.4	114.6
141	27.3	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





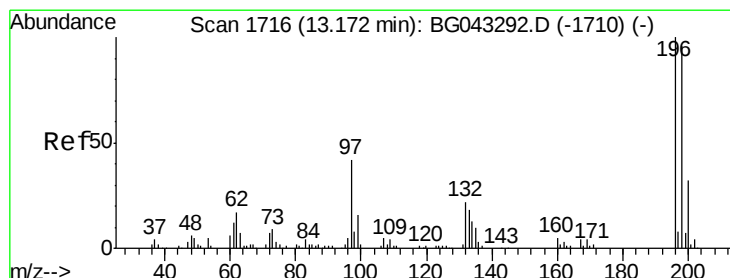
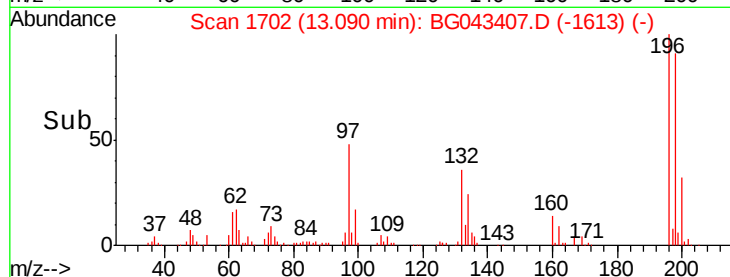
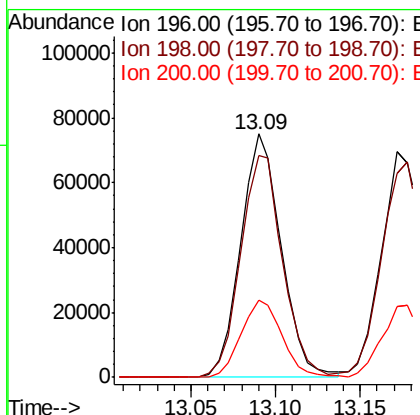
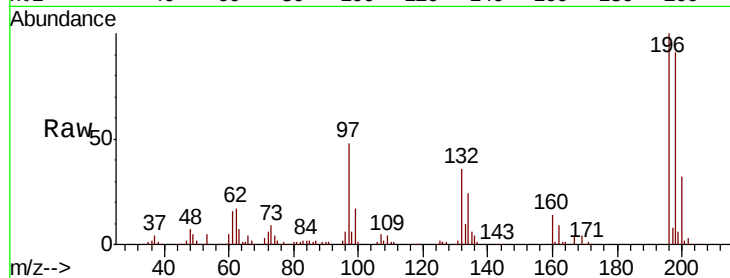
#43
 2,4,6-Trichlorophenol
 Concen: 49.140 ng
 RT: 13.09 min Scan# 1702
 Delta R.T. -0.01 min
 Lab File: BG043407.D
 Acq: 30 Oct 2019 19:16

Instrument :
 BNA_G
 ClientSampled :
 R-1MSD

Tot Ion	Ratio	Resp	Lower	Upper
196	100	124937		
198	91.2	77.0	115.4	
200	31.6	27.4	41.2	

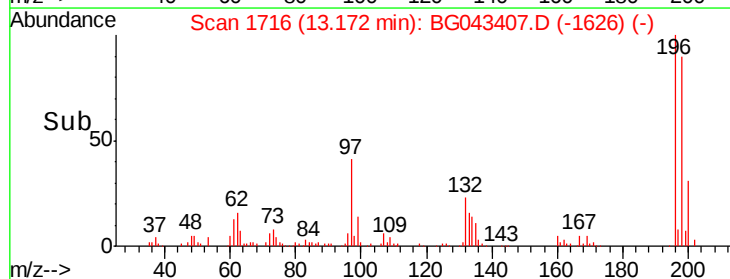
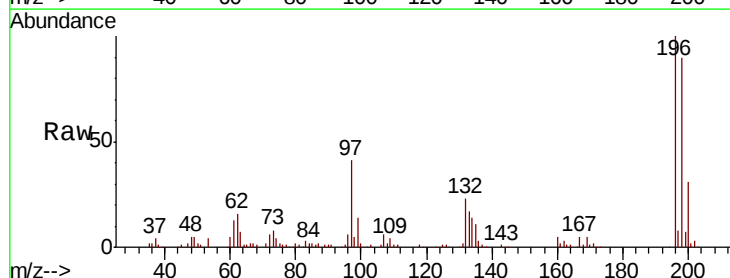
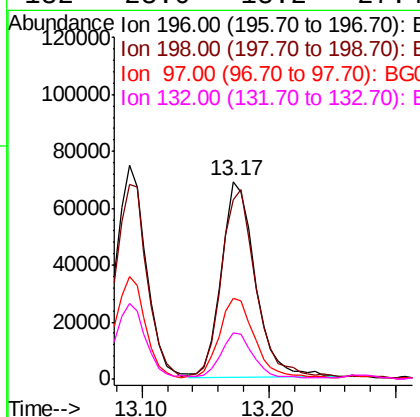
Manual Integrations
 APPROVED

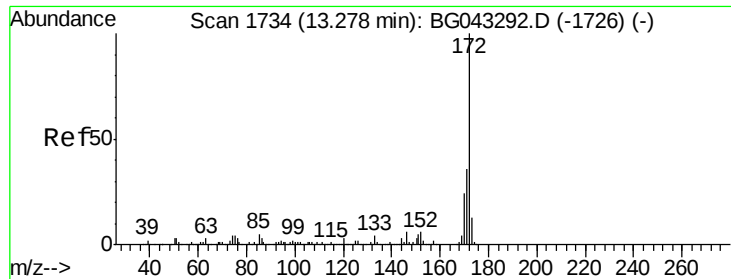
mohammad
 10/31/2019 2:51:58 PM



#44
 2,4,5-Trichlorophenol
 Concen: 49.715 ng
 RT: 13.17 min Scan# 1716
 Delta R.T. -0.00 min
 Lab File: BG043407.D
 Acq: 30 Oct 2019 19:16

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	127788		
198	90.4	76.6	114.8	
97	40.9	34.1	51.1	
132	23.0	18.2	27.4	





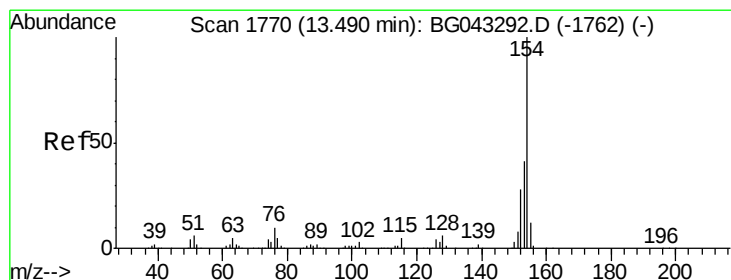
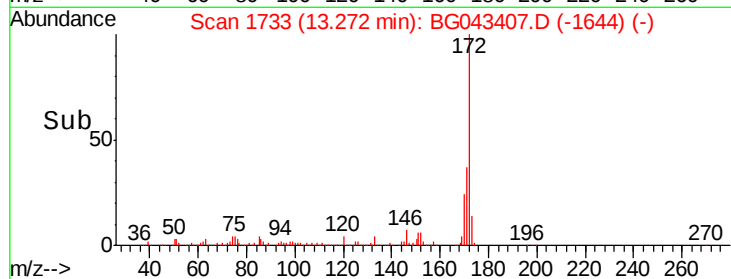
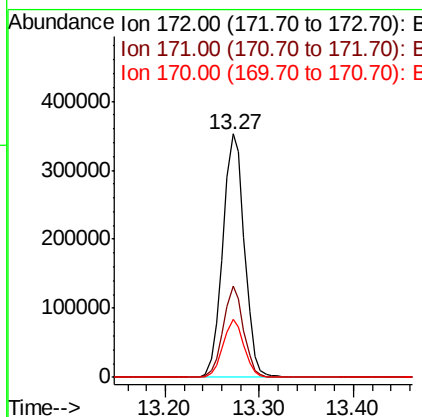
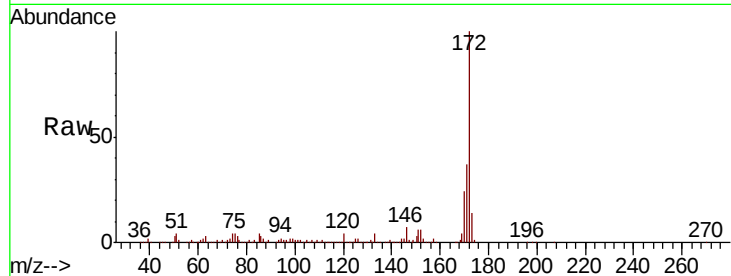
#45
2-Fluorobiphenyl
Concen: 66.893 ng
RT: 13.27 min Scan# 1733
Delta R.T. -0.01 min
Lab File: BG043407.D
Acq: 30 Oct 2019 19:16

Instrument :
BNA_G
ClientSampleId :
R-1MSD

Tot Ion	Ratio	Lower	Upper
172	100		
171	37.5	28.5	42.7
170	24.0	18.8	28.2

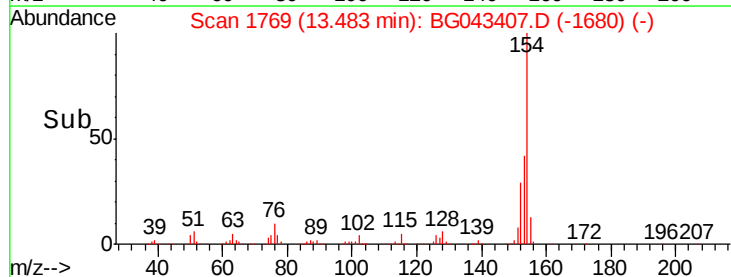
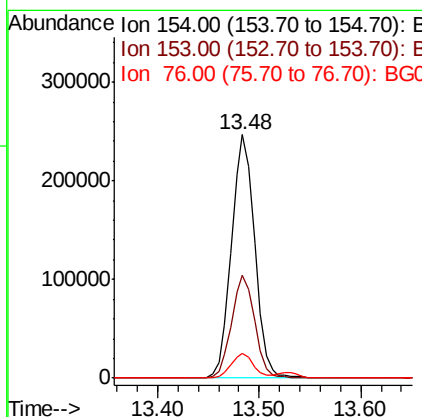
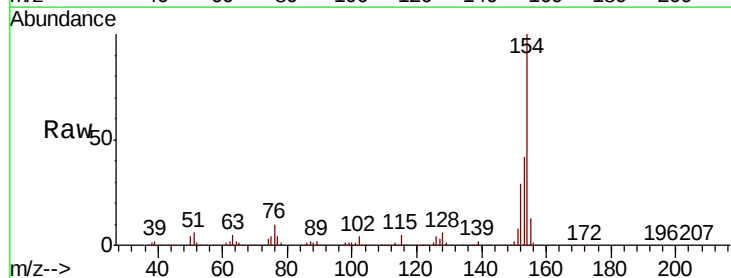
Manual Integrations
APPROVED

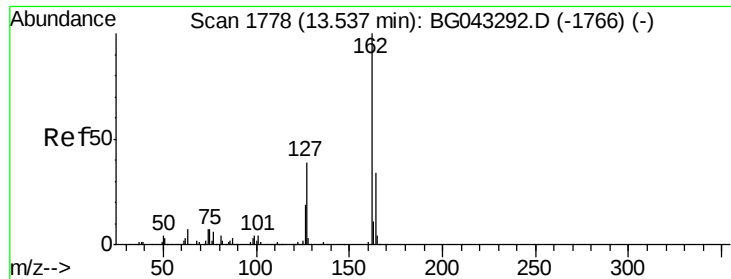
mohammad
10/31/2019 2:51:58 PM



#46
1,1'-Biphenyl
Concen: 44.320 ng
RT: 13.48 min Scan# 1769
Delta R.T. -0.01 min
Lab File: BG043407.D
Acq: 30 Oct 2019 19:16

Tgt Ion	Ratio	Lower	Upper
154	100		
153	42.3	21.0	61.0
76	10.2	0.0	29.8





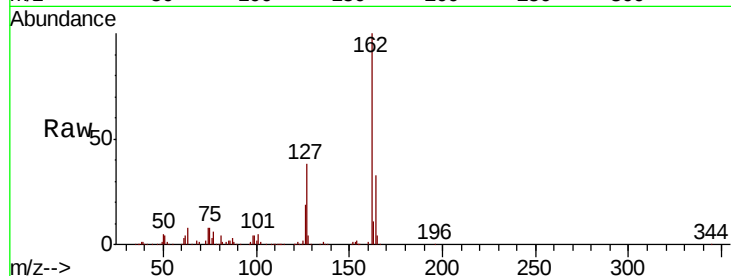
#47
2-Chloronaphthalene
Concen: 44.450 ng
RT: 13.52 min Scan# 1776
Delta R.T. -0.01 min
Lab File: BG043407.D
Acq: 30 Oct 2019 19:16

Instrument :
BNA_G
ClientSampleId :
R-1MSD

Tot Ion	Ratio	Resp	Lower	Upper
162	100	300143		
127	38.3		31.3	46.9
164	33.4		26.8	40.2

Manual Integrations
APPROVED

mohammad
10/31/2019 2:51:58 PM

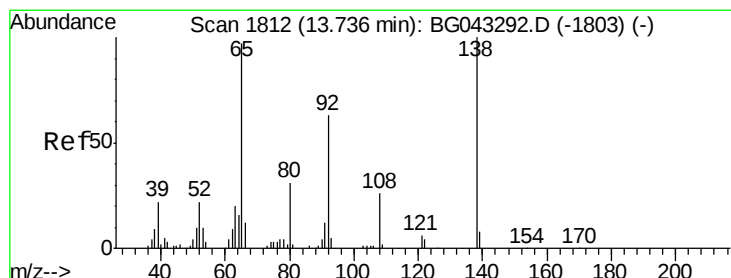
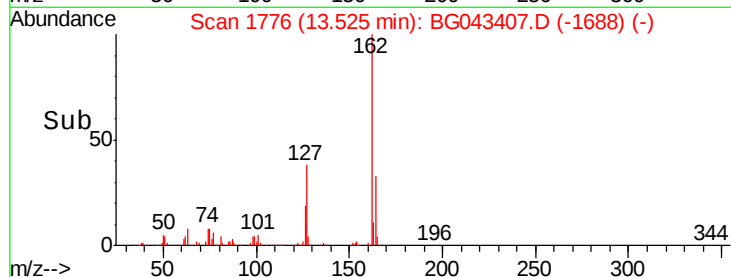
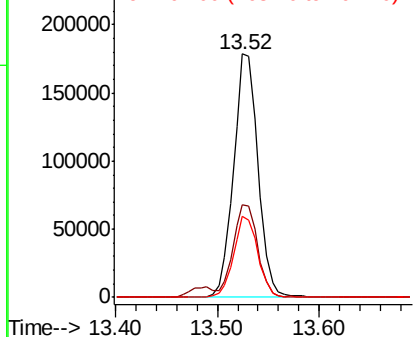


Abundance

Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E



#48
2-Nitroaniline
Concen: 46.172 ng
RT: 13.74 min Scan# 1812
Delta R.T. -0.00 min
Lab File: BG043407.D
Acq: 30 Oct 2019 19:16

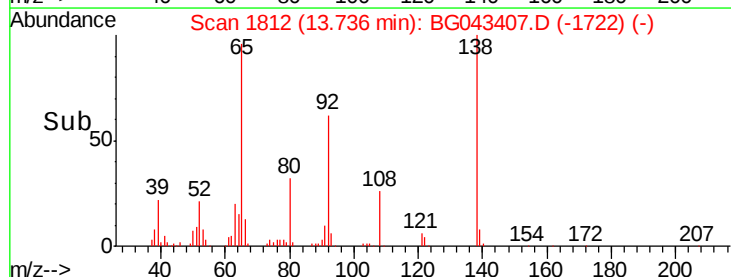
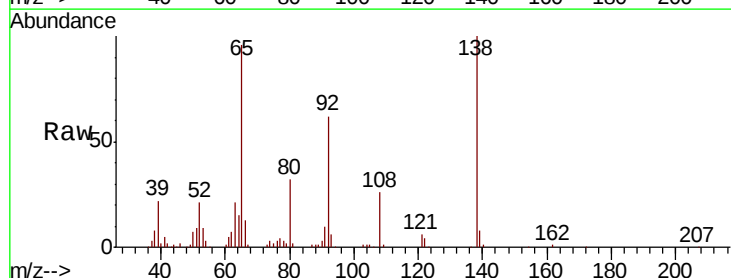
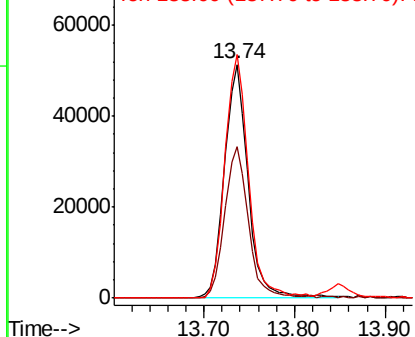
Tgt Ion	Ratio	Resp	Lower	Upper
65	100	93181		
92	64.9		52.6	79.0
138	104.1		82.9	124.3

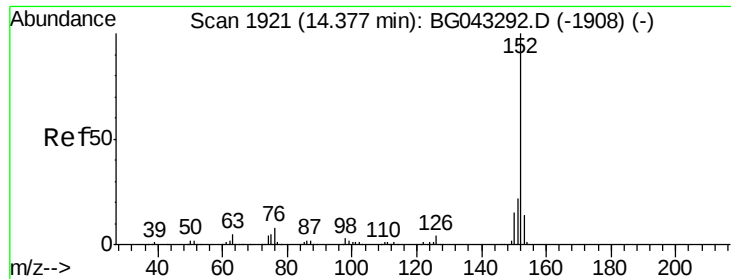
Abundance

Ion 65.00 (64.70 to 65.70): BGC

Ion 92.00 (91.70 to 92.70): BGC

Ion 138.00 (137.70 to 138.70): E





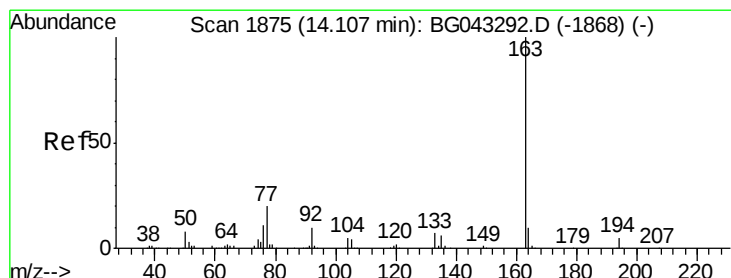
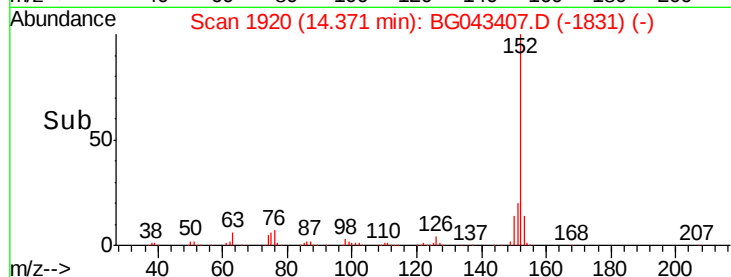
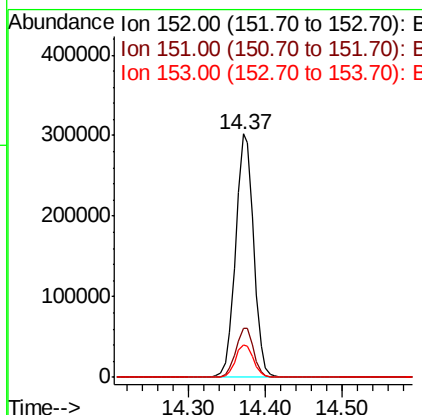
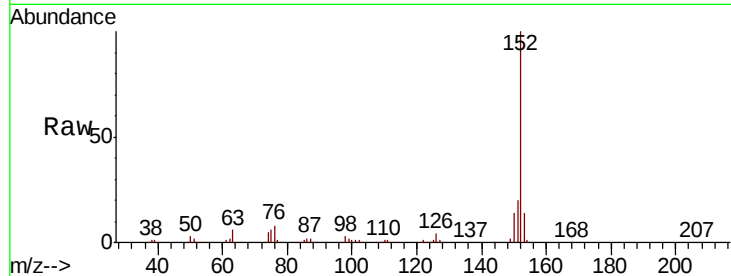
#49
Acenaphthylene
Concen: 47.161 ng
RT: 14.37 min Scan# 1920
Delta R.T. -0.01 min
Lab File: BG043407.D
Acq: 30 Oct 2019 19:16

Instrument :
BNA_G
ClientSampleId :
R-1MSD

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.9	17.2	25.8
153	13.5	11.0	16.6

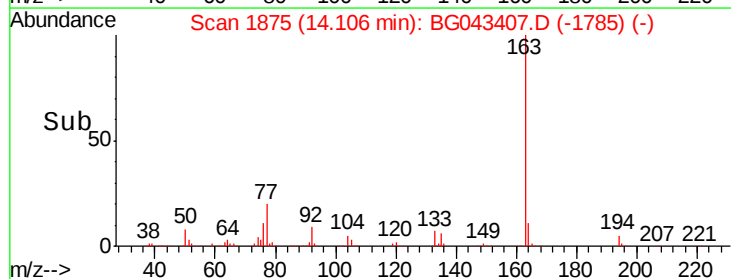
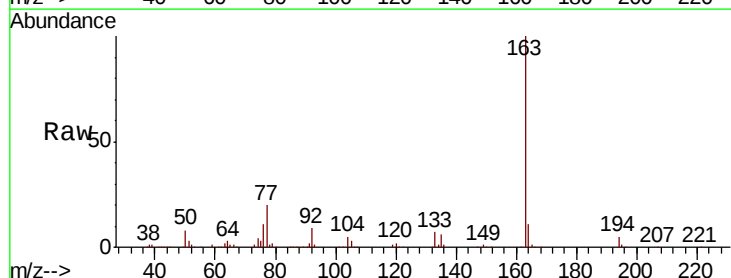
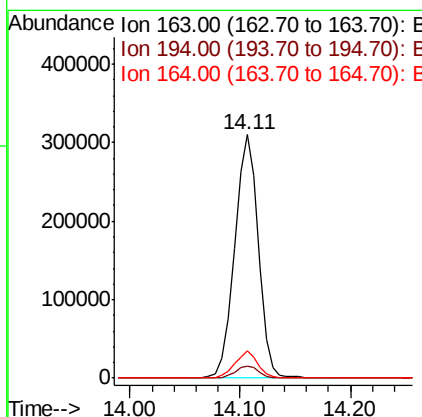
Manual Integrations
APPROVED

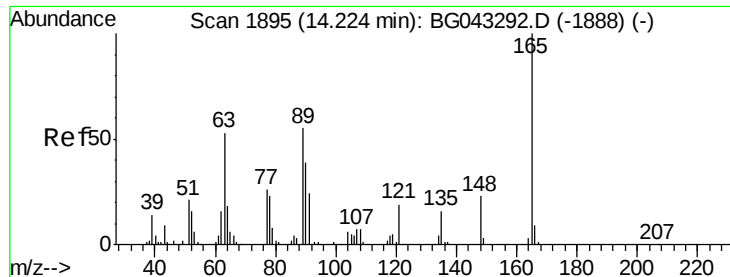
mohammad
10/31/2019 2:51:58 PM



#50
Dimethylphthalate
Concen: 51.445 ng
RT: 14.11 min Scan# 1875
Delta R.T. -0.00 min
Lab File: BG043407.D
Acq: 30 Oct 2019 19:16

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.7	3.7	5.5
164	11.0	8.1	12.1





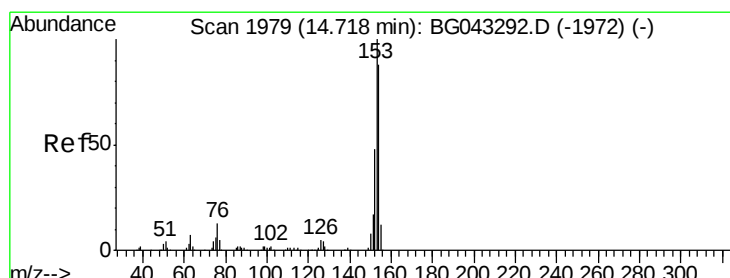
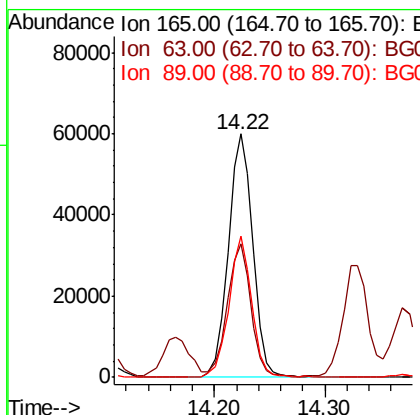
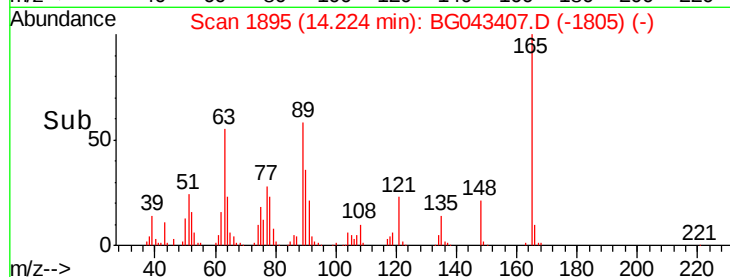
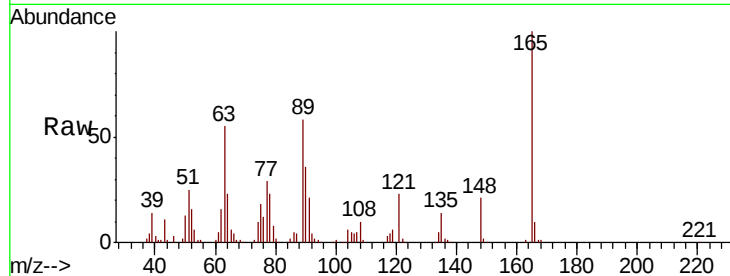
#51
2,6-Dinitrotoluene
Concen: 47.328 ng
RT: 14.22 min Scan# 1895
Delta R.T. -0.00 min
Lab File: BG043407.D
Acq: 30 Oct 2019 19:16

Instrument :
BNA_G
ClientSampleId :
R-1MSD

Tot Ion	Ratio	Lower	Upper
165	100		
63	55.0	47.1	70.7
89	58.0	43.7	65.5

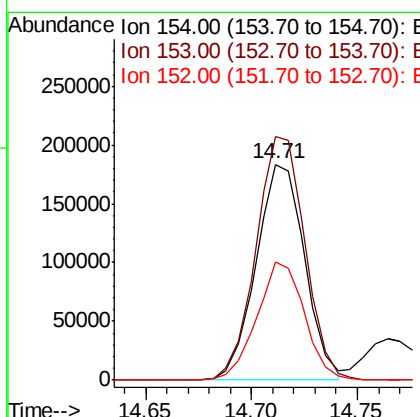
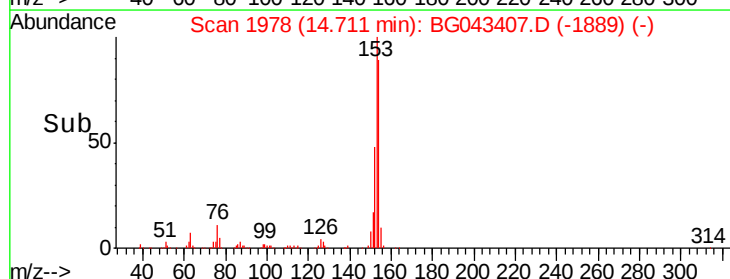
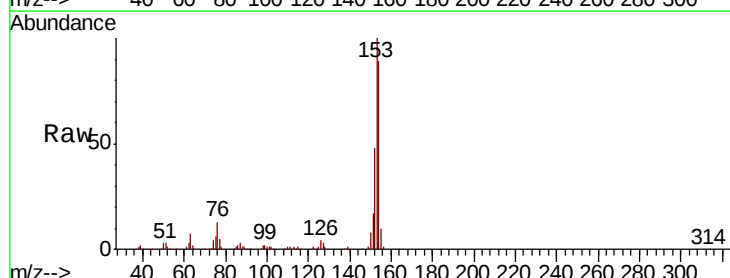
Manual Integrations
APPROVED

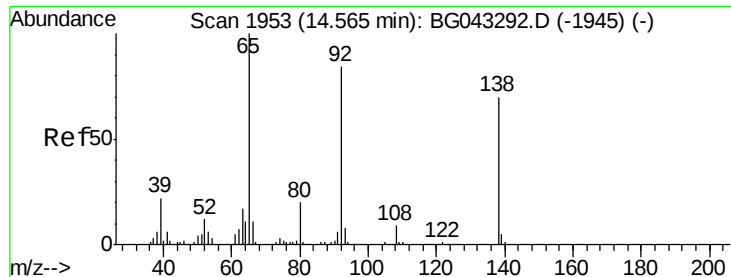
mohammad
10/31/2019 2:51:58 PM



#52
Acenaphthene
Concen: 45.796 ng
RT: 14.71 min Scan# 1978
Delta R.T. -0.01 min
Lab File: BG043407.D
Acq: 30 Oct 2019 19:16

Tgt Ion	Ratio	Lower	Upper
154	100		
153	112.8	90.9	136.3
152	54.6	43.9	65.9





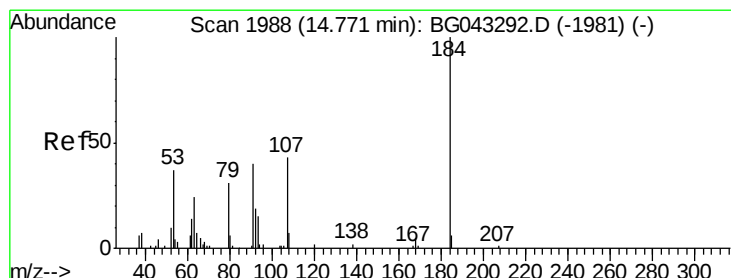
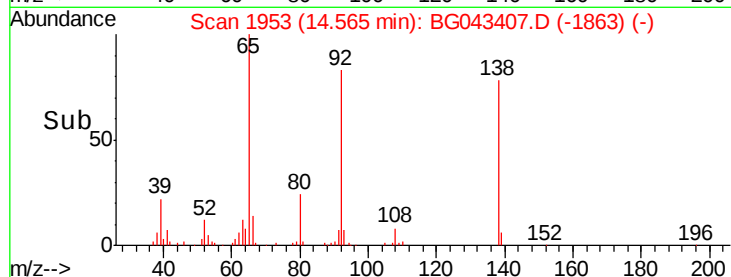
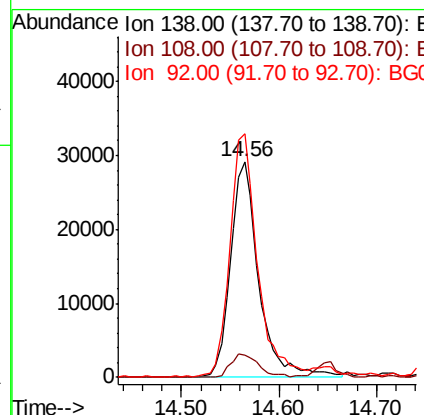
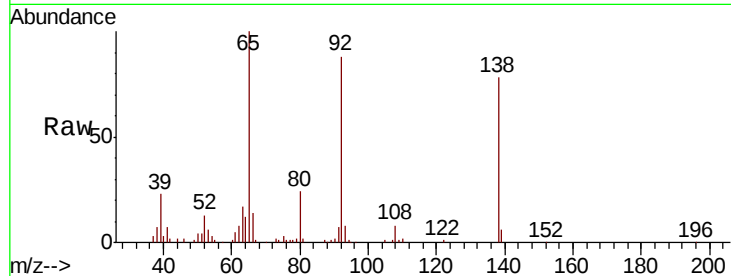
#53
3-Nitroaniline
Concen: 30.942 ng
RT: 14.56 min Scan# 1953
Delta R.T. -0.00 min
Lab File: BG043407.D
Acq: 30 Oct 2019 19:16

Instrument :
BNA_G
ClientSampleId :
R-1MSD

Tot Ion	Ratio	Lower	Upper
138	100		
108	10.2	9.8	14.6
92	113.0	95.8	143.6

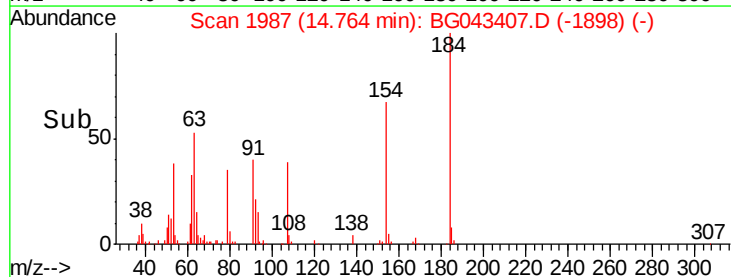
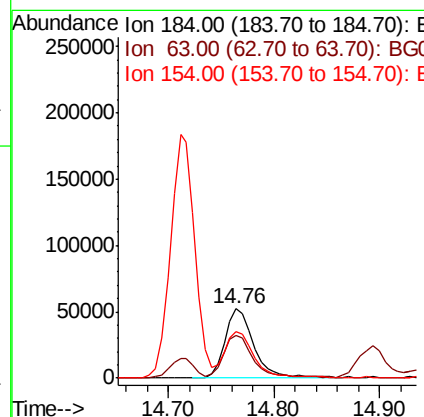
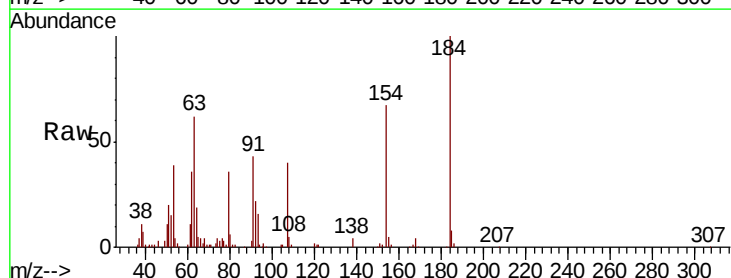
Manual Integrations
APPROVED

mohammad
10/31/2019 2:51:58 PM



#54
2,4-Dinitrophenol
Concen: 81.377 ng
RT: 14.76 min Scan# 1987
Delta R.T. -0.01 min
Lab File: BG043407.D
Acq: 30 Oct 2019 19:16

Tgt Ion	Ratio	Lower	Upper
184	100		
63	62.4	48.8	73.2
154	66.5	49.4	74.0





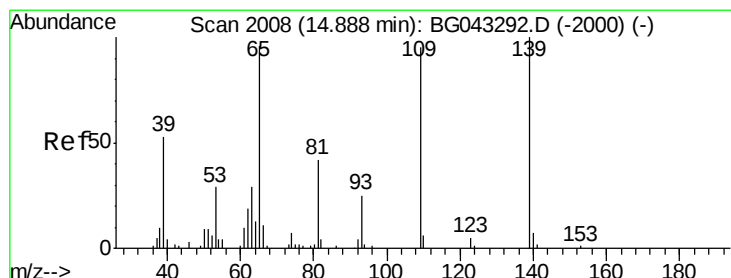
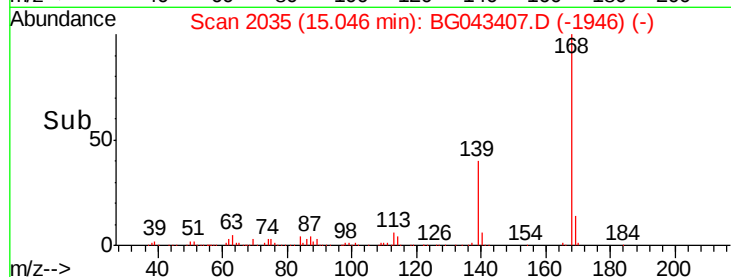
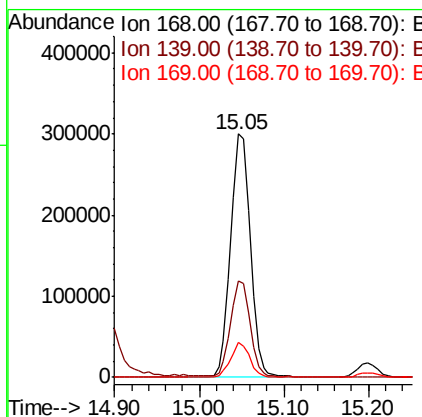
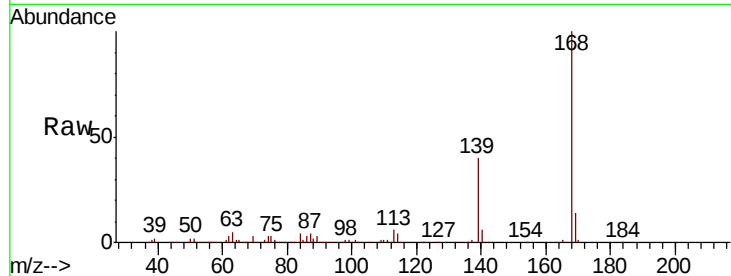
#55
Dibenzenofuran
Concen: 46.430 ng
RT: 15.05 min Scan# 2035
Delta R.T. -0.01 min
Lab File: BG043407.D
Acq: 30 Oct 2019 19:16

Instrument :
BNA_G
ClientSampleId :
R-1MSD

Tot Ion	Ratio	Lower	Upper
168	100		
139	39.6	31.7	47.5
169	14.1	11.0	16.4

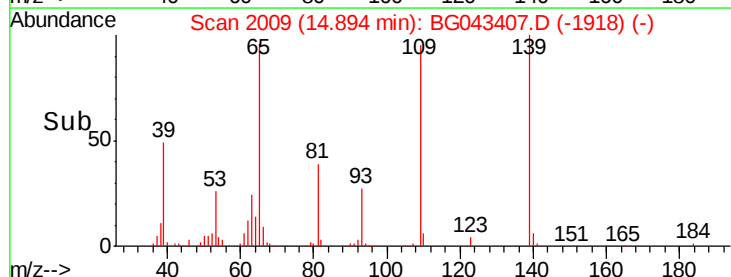
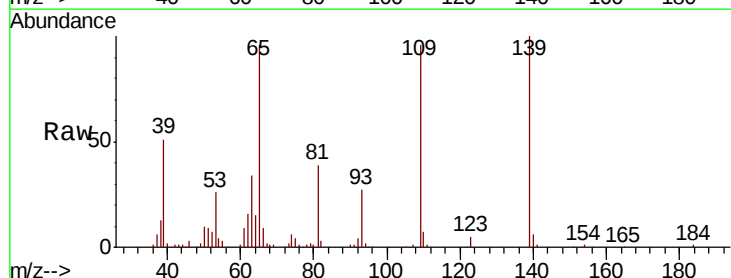
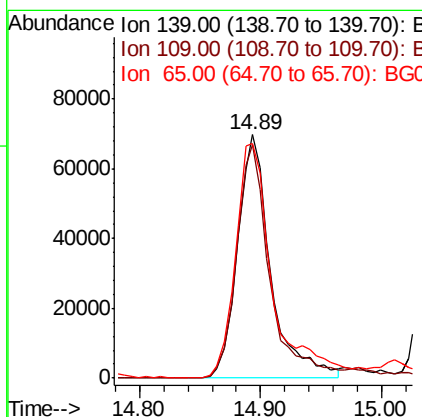
Manual Integrations
APPROVED

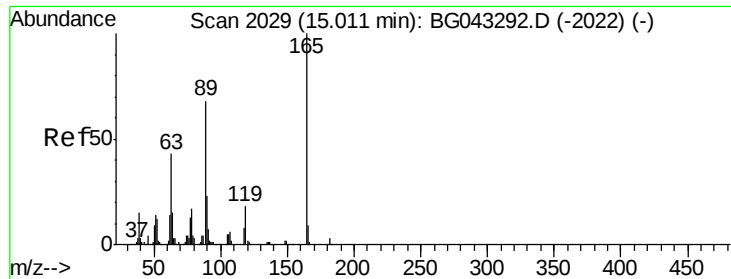
mohammad
10/31/2019 2:51:58 PM



#56
4-Nitrophenol
Concen: 105.368 ng
RT: 14.89 min Scan# 2009
Delta R.T. 0.01 min
Lab File: BG043407.D
Acq: 30 Oct 2019 19:16

Tgt Ion	Ratio	Lower	Upper
139	100		
109	95.6	75.4	115.4
65	96.2	76.6	116.6





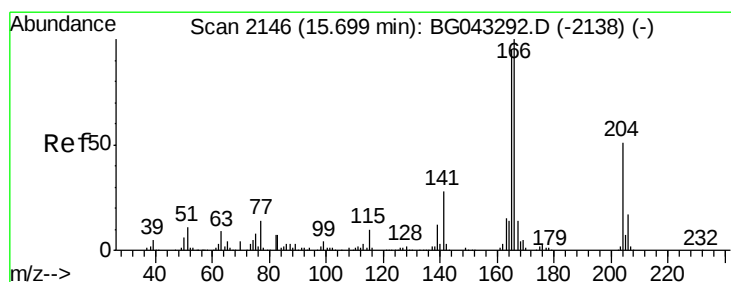
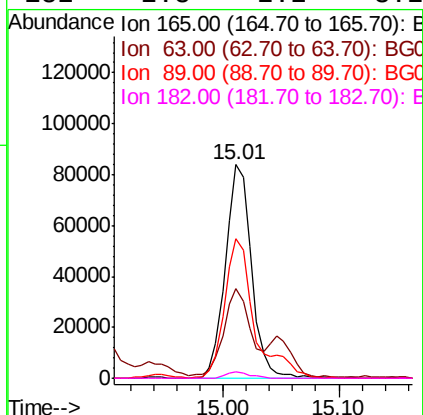
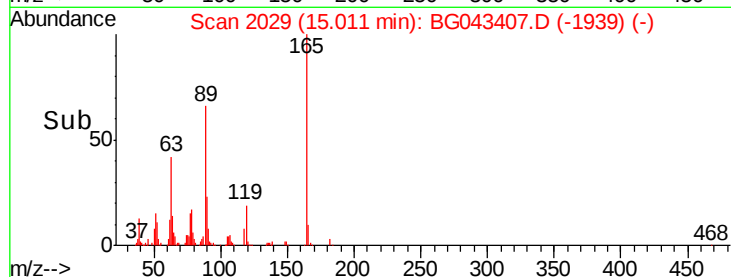
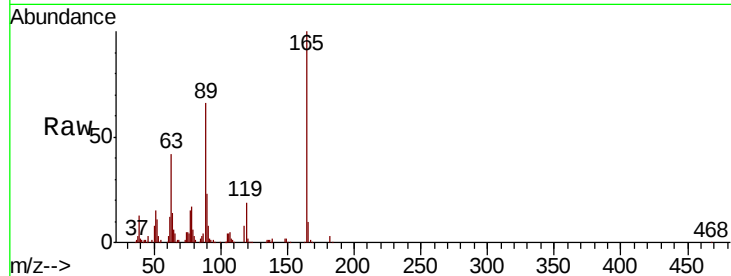
#57
2,4-Dinitrotoluene
Concen: 46.774 ng
RT: 15.01 min Scan# 2029
Delta R.T. -0.00 min
Lab File: BG043407.D
Acq: 30 Oct 2019 19:16

Instrument :
BNA_G
ClientSampleId :
R-1MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
165	100		131218		
63	41.8		35.0	52.6	
89	65.6		54.1	81.1	
182	2.8		2.2	3.2	

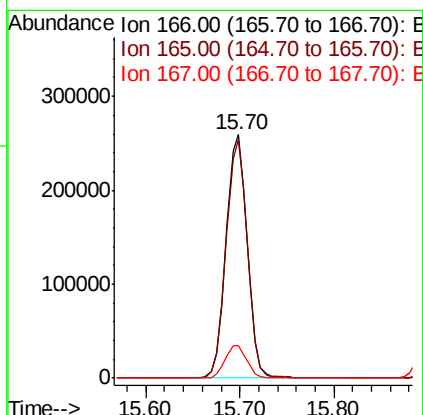
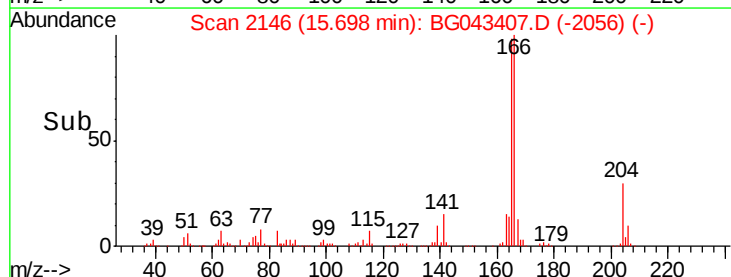
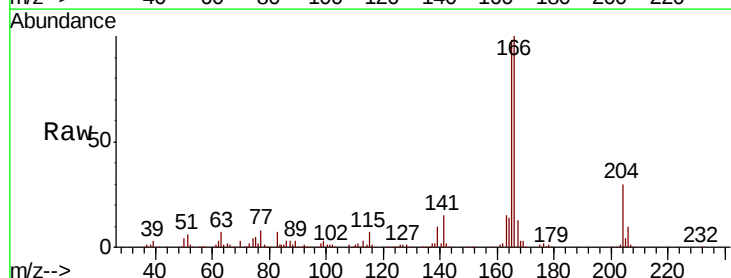
Manual Integrations
APPROVED

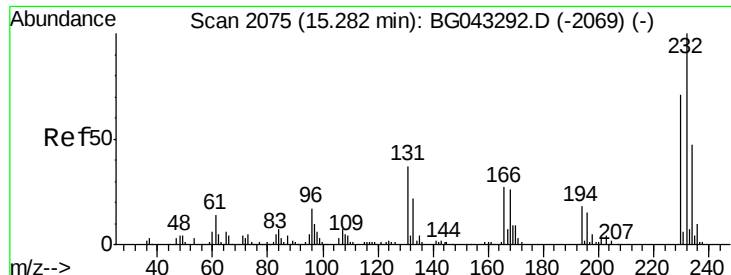
mohammad
10/31/2019 2:51:58 PM



#58
Fluorene
Concen: 46.442 ng
RT: 15.70 min Scan# 2146
Delta R.T. -0.00 min
Lab File: BG043407.D
Acq: 30 Oct 2019 19:16

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
166	100		404825		
165	97.9		76.4	114.6	
167	13.1		11.1	16.7	





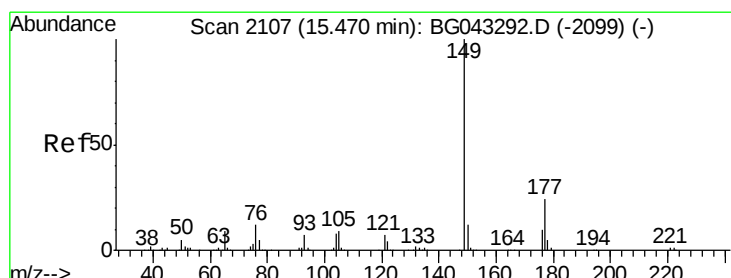
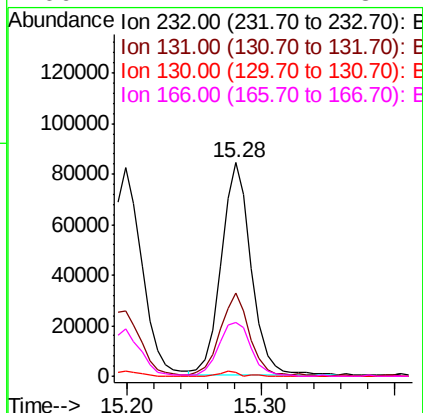
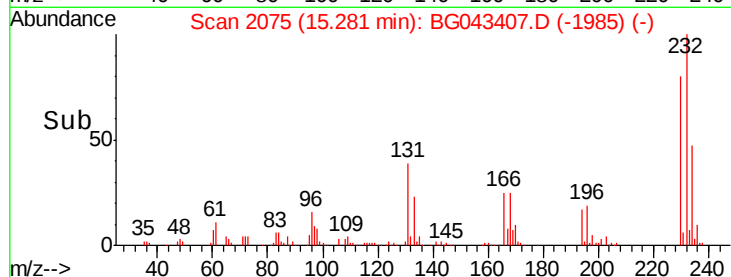
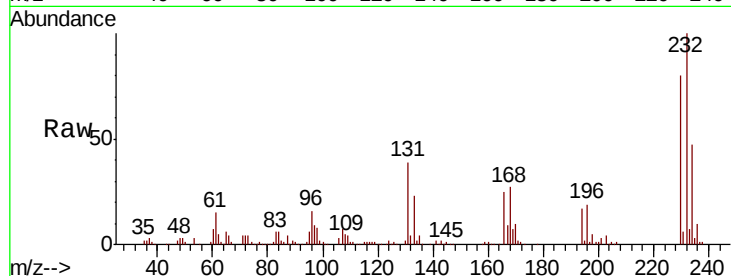
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 48.446 ng
 RT: 15.28 min Scan# 2075
 Delta R.T. -0.00 min
 Lab File: BG043407.D
 Acq: 30 Oct 2019 19:16

Instrument :
 BNA_G
 ClientSampleId :
 R-1MSD

Tot Ion	Ratio	Resp	Lower	Upper
232	100	132302		
131	38.4	28.7	43.1	
130	1.7	0.6	0.8	
166	27.4	21.1	31.7	

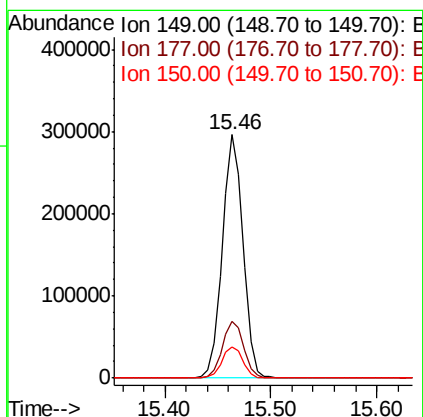
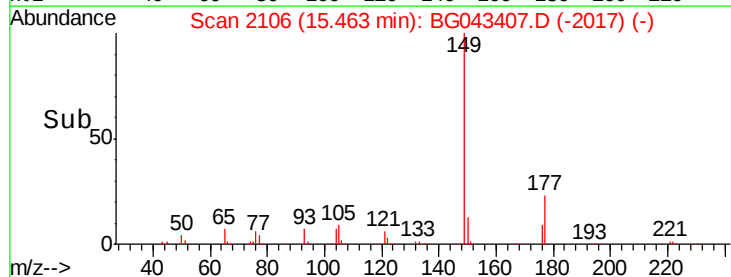
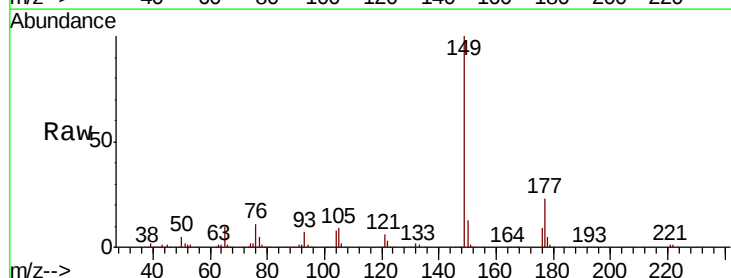
Manual Integrations
 APPROVED

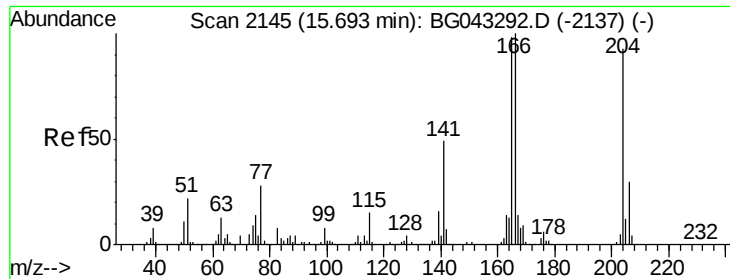
mohammad
 10/31/2019 2:51:58 PM



#60
 Diethylphthalate
 Concen: 44.458 ng
 RT: 15.46 min Scan# 2106
 Delta R.T. -0.01 min
 Lab File: BG043407.D
 Acq: 30 Oct 2019 19:16

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	403638		
177	23.4	19.0	28.4	
150	12.6	9.4	14.0	





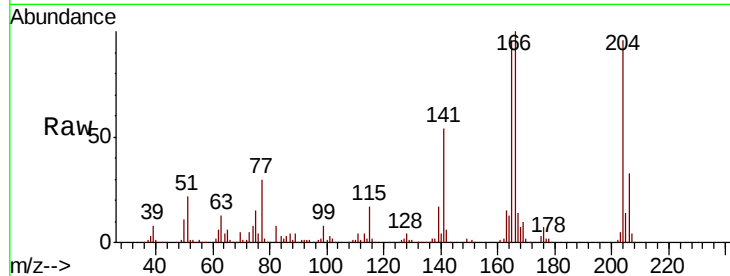
#61
4-Chlorophenyl-phenylether
Concen: 45.394 ng
RT: 15.69 min Scan# 2144
Delta R.T. -0.01 min
Lab File: BG043407.D
Acq: 30 Oct 2019 19:16

Instrument :
BNA_G
ClientSampled :
R-1MSD

Tot Ion	Ratio	Lower	Upper
204	100		
206	34.9	25.7	38.5
141	56.1	42.3	63.5

Manual Integrations
APPROVED

mohammad
10/31/2019 2:51:58 PM

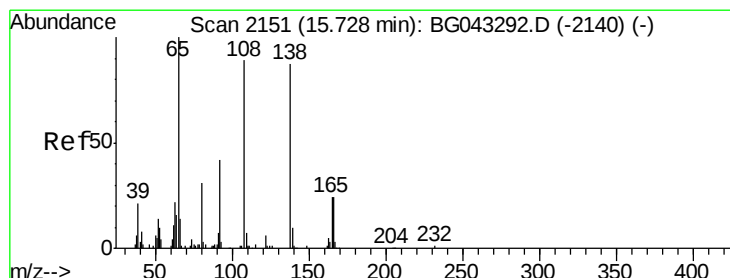
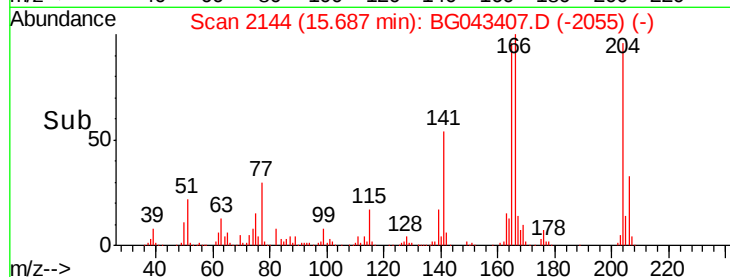
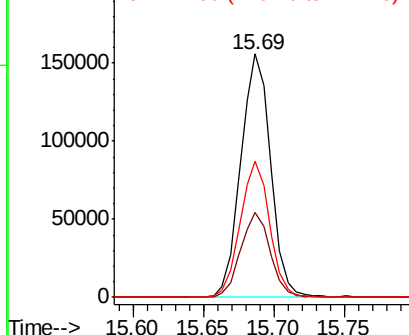


Abundance

Ion 204.00 (203.70 to 204.70): E

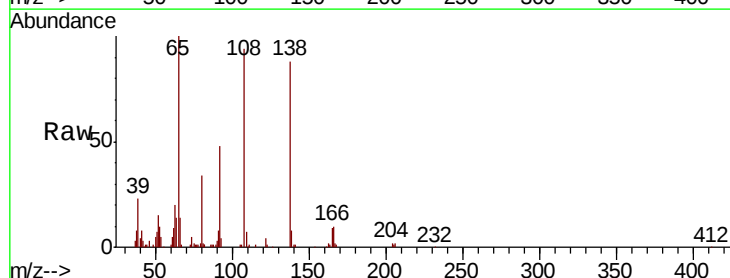
Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E



#62
4-Nitroaniline
Concen: 44.090 ng
RT: 15.73 min Scan# 2151
Delta R.T. -0.00 min
Lab File: BG043407.D
Acq: 30 Oct 2019 19:16

Tgt Ion	Ratio	Lower	Upper
138	100		
92	54.7	28.8	68.8
108	107.5	82.7	122.7

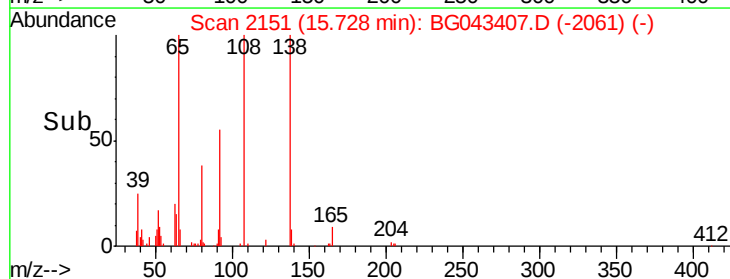
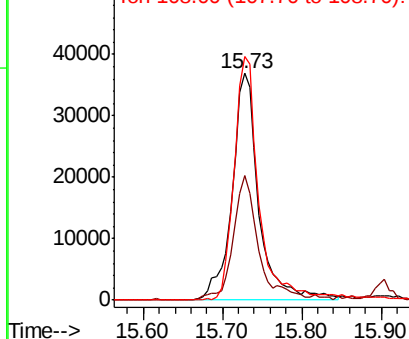


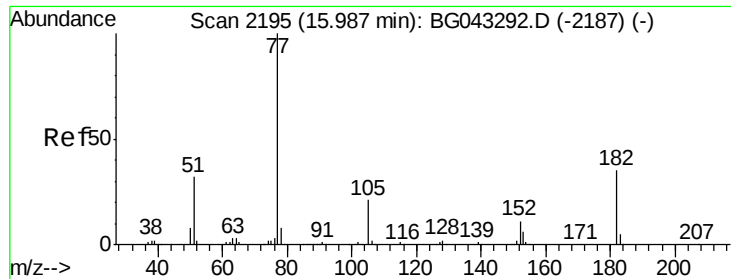
Abundance

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





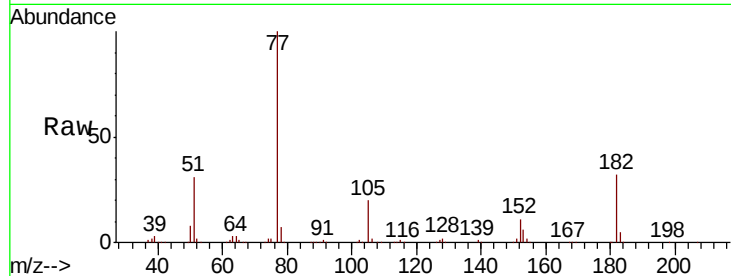
#63
Azobenzene
Concen: 46.612 ng
RT: 15.98 min Scan# 2194
Delta R.T. -0.01 min
Lab File: BG043407.D
Acq: 30 Oct 2019 19:16

Instrument :
BNA_G
ClientSampleId :
R-1MSD

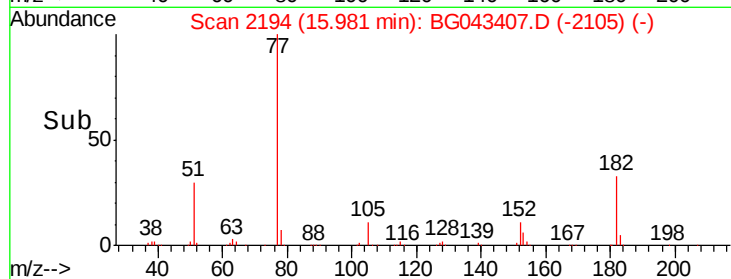
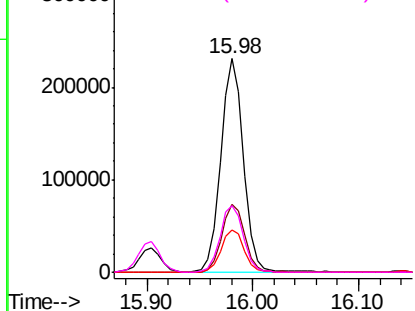
Tot Ion:	77	Resp:	342500
Ion Ratio	Lower	Upper	
77	100		
182	31.7	14.9	54.9
105	20.1	0.6	40.6
51	31.4	12.5	52.5

Manual Integrations
APPROVED

mohammad
10/31/2019 2:51:58 PM



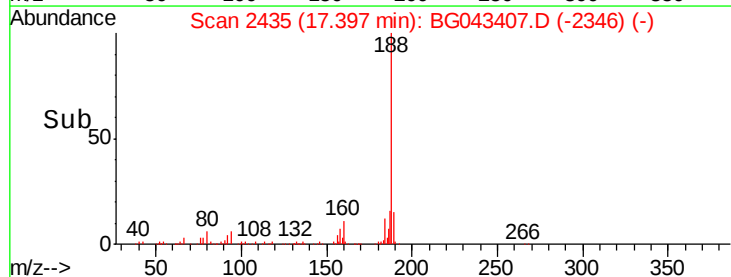
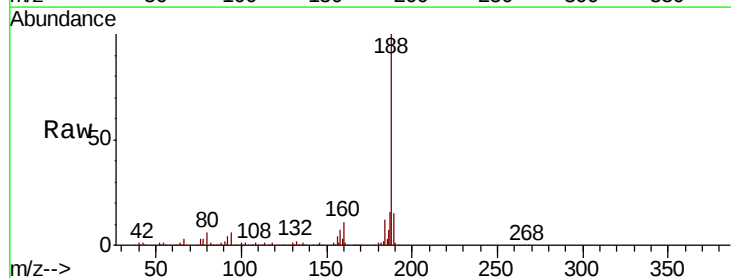
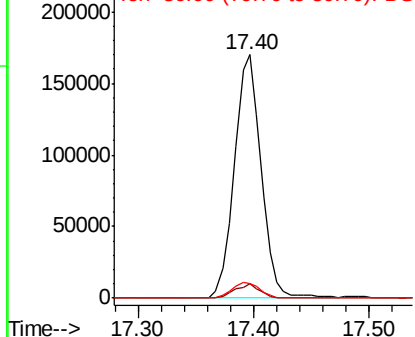
Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 182.00 (181.70 to 182.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 51.00 (50.70 to 51.70): BGC

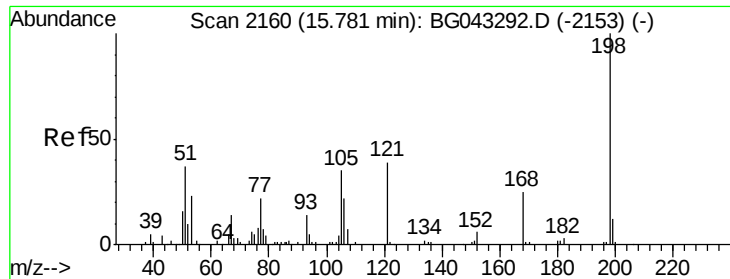


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.40 min Scan# 2435
Delta R.T. -0.01 min
Lab File: BG043407.D
Acq: 30 Oct 2019 19:16

Tgt Ion:	188	Resp:	272299
Ion Ratio	Lower	Upper	
188	100		
94	6.2	4.2	6.2
80	6.0	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: 51.002 ng

RT: 15.78 min Scan# 2160

Delta R.T. -0.00 min

Lab File: BG043407.D

Acq: 30 Oct 2019 19:16

Instrument :

BNA_G

ClientSampleId :

R-1MSD

Tot Ion:198 Resp: 81730

Ion Ratio Lower Upper

198 100

51 33.6 21.4 61.4

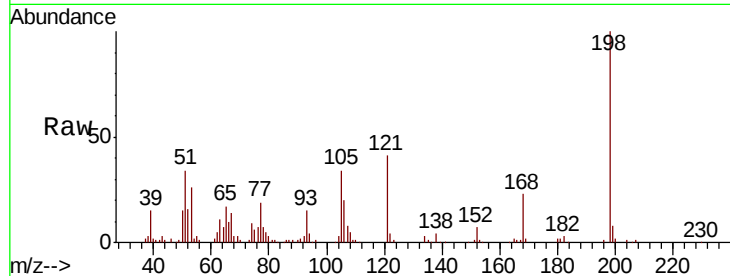
105 33.9 16.5 56.5

Manual Integrations

APPROVED

mohammad

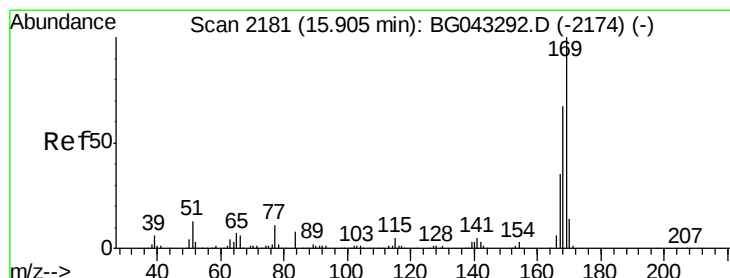
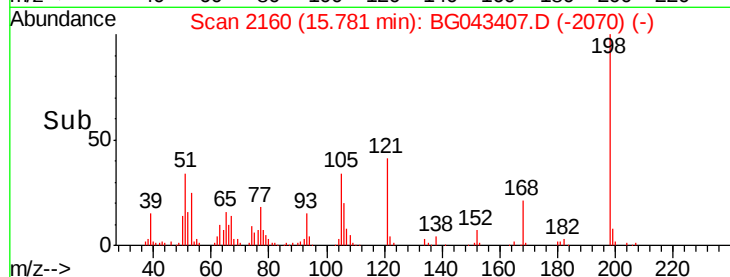
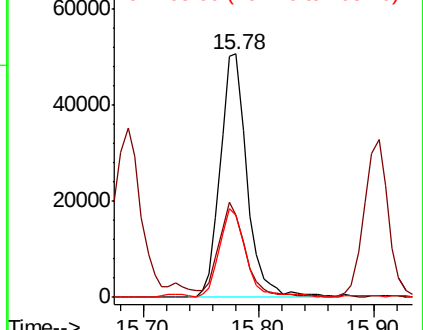
10/31/2019 2:51:58 PM



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 46.917 ng

RT: 15.90 min Scan# 2181

Delta R.T. -0.00 min

Lab File: BG043407.D

Acq: 30 Oct 2019 19:16

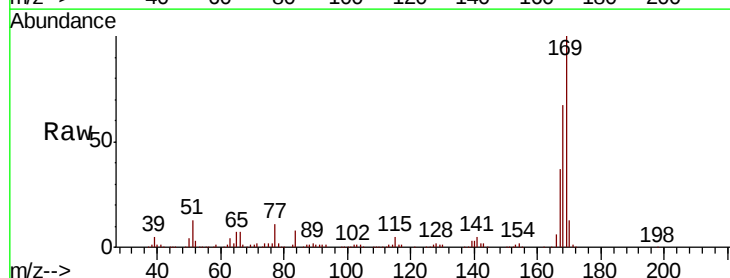
Tgt Ion:169 Resp: 360684

Ion Ratio Lower Upper

169 100

168 66.9 53.9 80.9

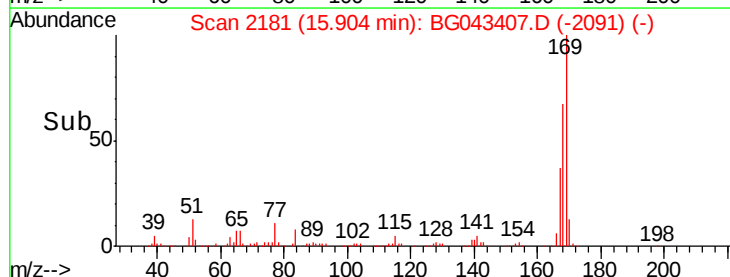
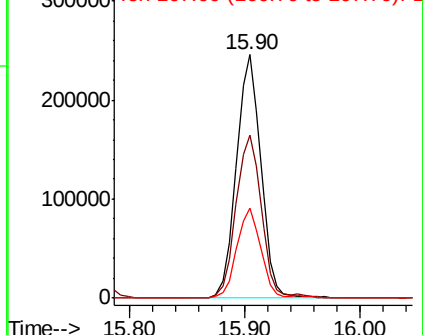
167 36.9 28.3 42.5



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





#67

4-Bromophenyl-phenylether

Concen: 44.804 ng

RT: 16.58 min Scan# 2296

Delta R.T. -0.01 min

Lab File: BG043407.D

Acq: 30 Oct 2019 19:16

Instrument :

BNA_G

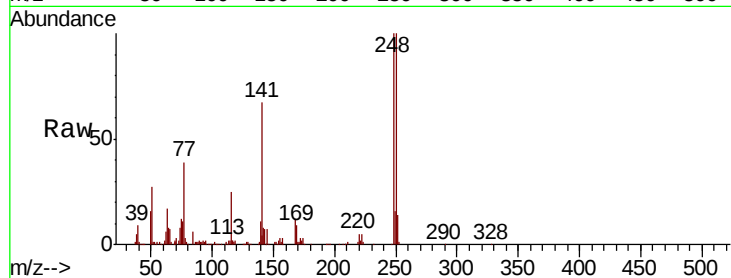
ClientSampleId :

R-1MSD

Tot Ion:	248	Resp:	164187
Ion Ratio	Lower	Upper	
248	100		
250	99.9	79.3	118.9
141	66.6	47.9	71.9

Manual Integrations
APPROVED

mohammad
10/31/2019 2:51:58 PM

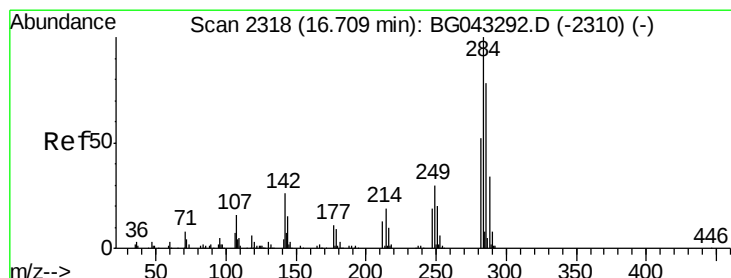
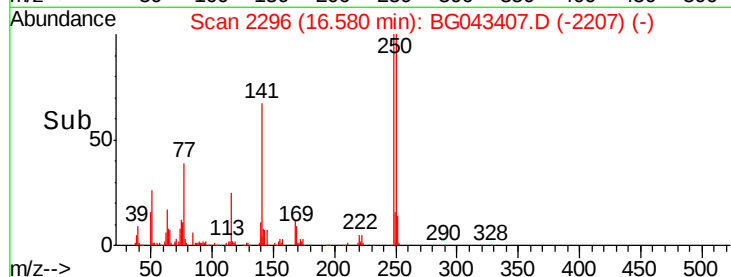
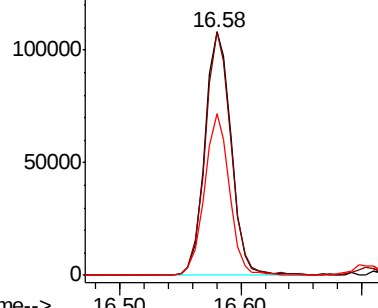


Abundance

Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#68

Hexachlorobenzene

Concen: 44.265 ng

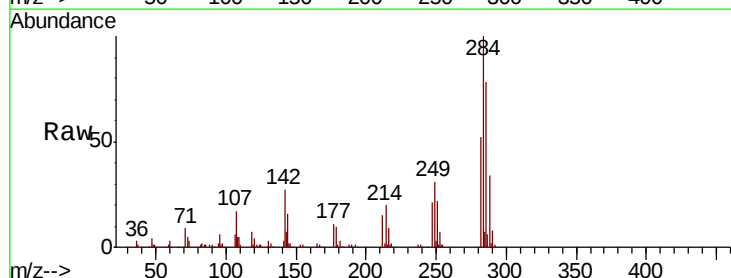
RT: 16.70 min Scan# 2317

Delta R.T. -0.01 min

Lab File: BG043407.D

Acq: 30 Oct 2019 19:16

Tgt Ion:	284	Resp:	186197
Ion Ratio	Lower	Upper	
284	100		
142	27.0	21.1	31.7
249	31.3	24.4	36.6

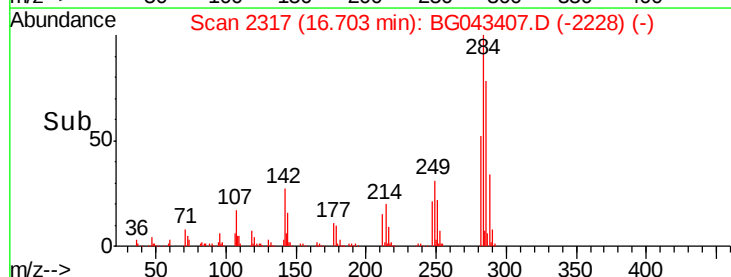
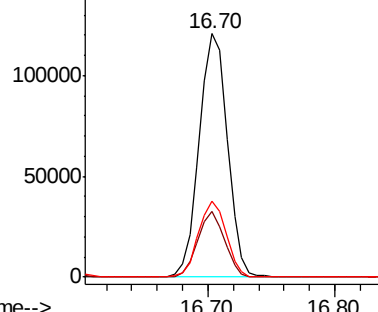


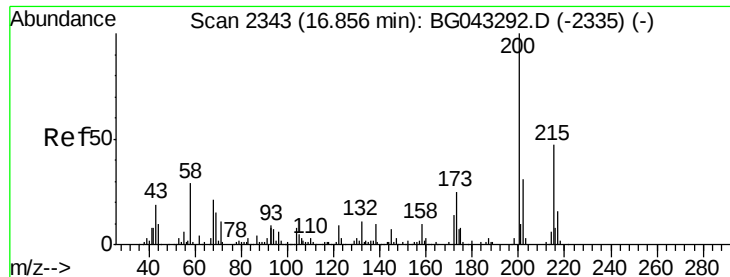
Abundance

Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





#69

Atrazine

Concen: 57.785 ng

RT: 16.85 min Scan# 2342

Delta R.T. -0.01 min

Lab File: BG043407.D

Acq: 30 Oct 2019 19:16

Instrument :

BNA_G

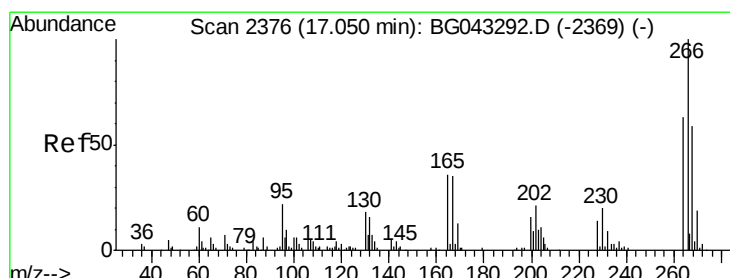
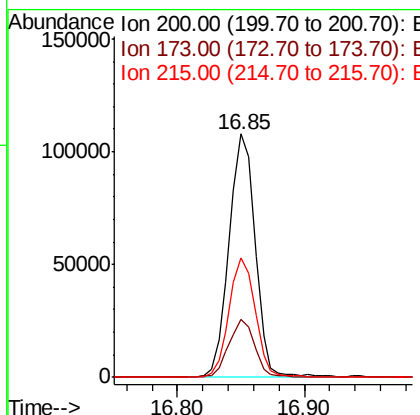
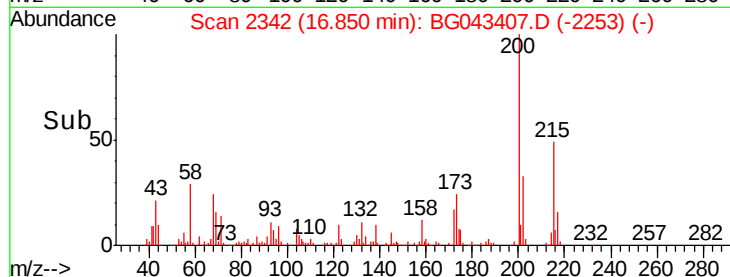
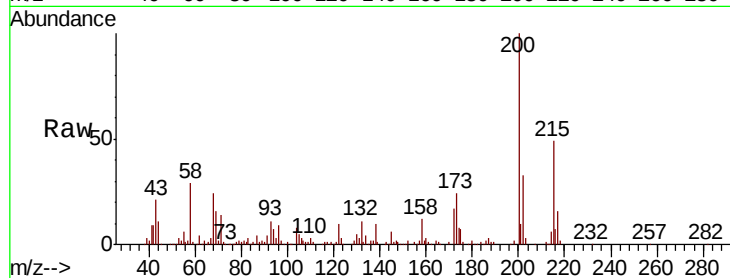
ClientSampled :

R-1MSD

Tot Ion:	200	Resp:	154362
Ion Ratio	Lower	Upper	
200	100		
173	23.9	5.1	45.1
215	49.2	26.6	66.6

Manual Integrations
APPROVED

mohammad
10/31/2019 2:51:58 PM



#70

Pentachlorophenol

Concen: 106.158 ng

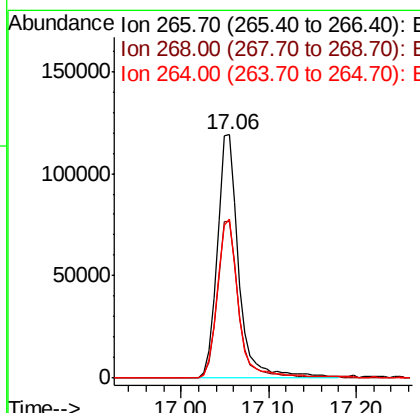
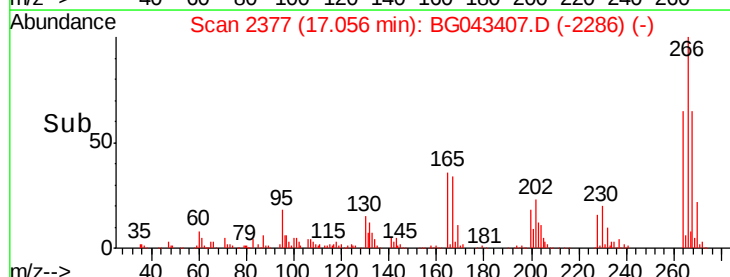
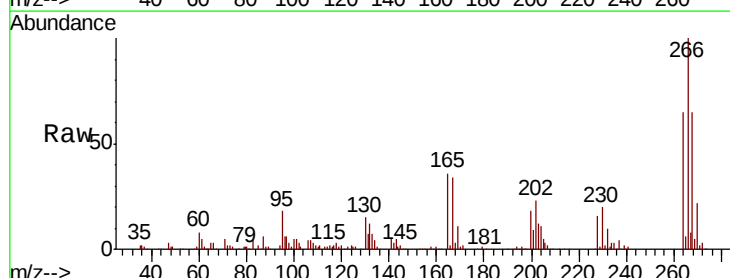
RT: 17.06 min Scan# 2377

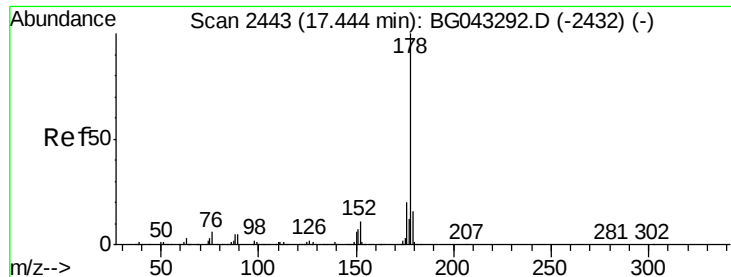
Delta R.T. 0.01 min

Lab File: BG043407.D

Acq: 30 Oct 2019 19:16

Tgt Ion:	266	Resp:	203474
Ion Ratio	Lower	Upper	
266	100		
268	64.5	47.1	70.7
264	65.1	50.4	75.6





#71

Phenanthrene

Concen: 45.919 ng

RT: 17.44 min Scan# 2442

Delta R.T. -0.01 min

Lab File: BG043407.D

Acq: 30 Oct 2019 19:16

Instrument :

BNA_G

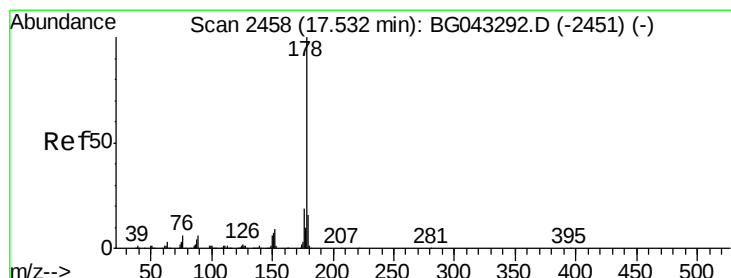
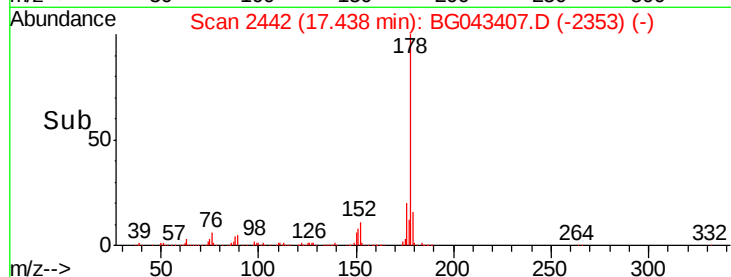
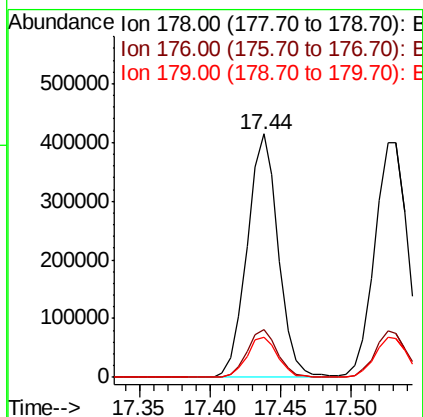
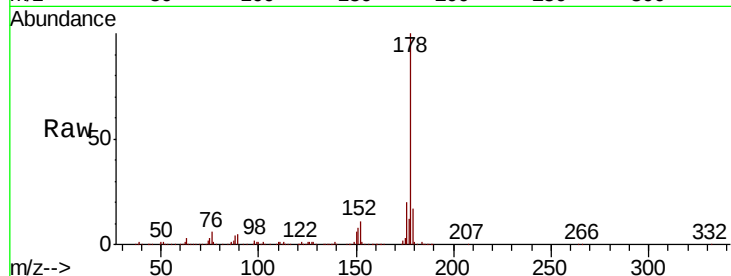
ClientSampleId :

R-1MSD

Tot Ion:	178	Resp:	640284
Ion	Ratio	Lower	Upper
178	100		
176	19.9	15.8	23.8
179	16.5	13.1	19.7

Manual Integrations
APPROVED

mohammad
10/31/2019 2:51:58 PM



#72

Anthracene

Concen: 47.475 ng

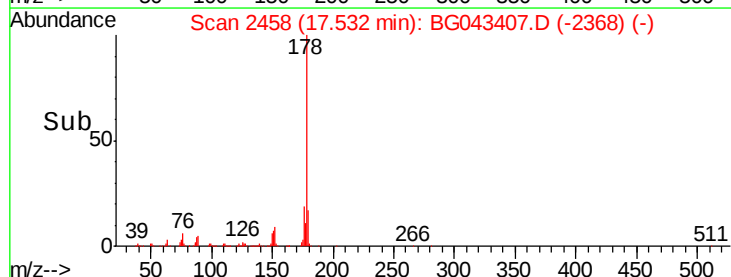
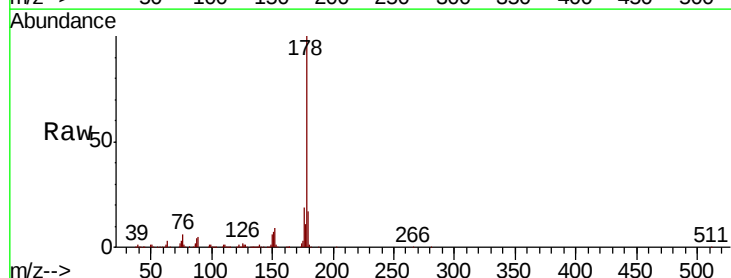
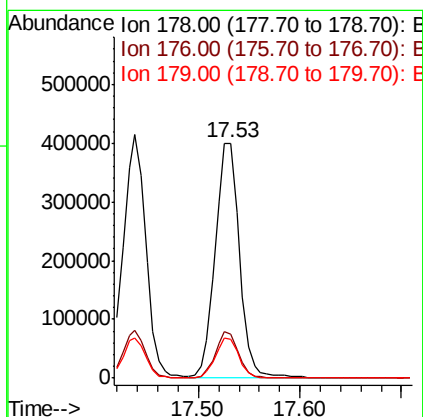
RT: 17.53 min Scan# 2458

Delta R.T. -0.00 min

Lab File: BG043407.D

Acq: 30 Oct 2019 19:16

Tgt Ion:	178	Resp:	662327
Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.1	22.7
179	16.6	13.0	19.6





#73

Carbazole

Concen: 47.530 ng

RT: 17.80 min Scan# 2504

Delta R.T. -0.01 min

Lab File: BG043407.D

Acq: 30 Oct 2019 19:16

Instrument :

BNA_G

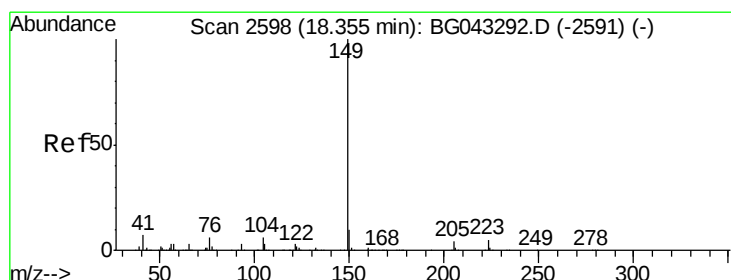
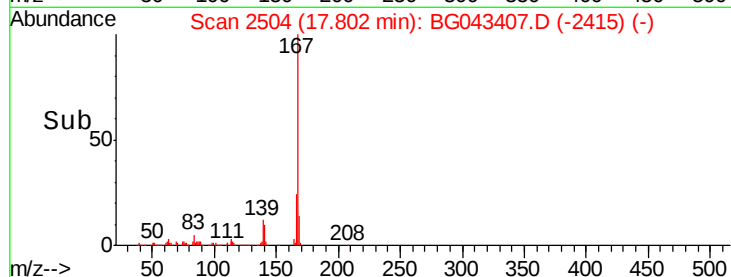
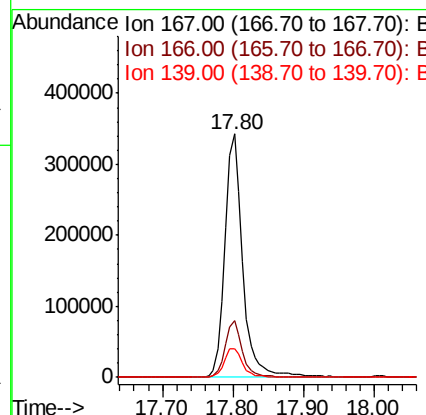
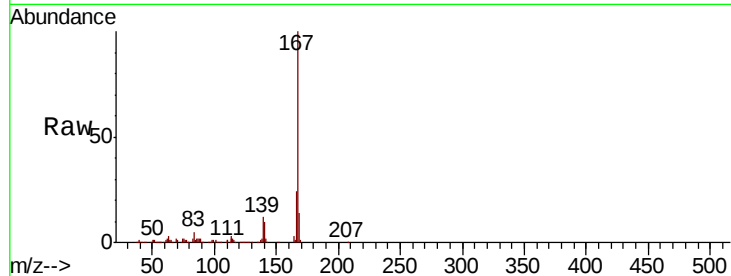
ClientSampleId :

R-1MSD

Tot Ion:	167	Resp:	600479
Ion Ratio	Lower	Upper	
167	100		
166	23.5	18.4	27.6
139	11.7	10.2	15.4

Manual Integrations
APPROVED

mohammad
10/31/2019 2:51:58 PM



#74

Di-n-butylphthalate

Concen: 45.895 ng

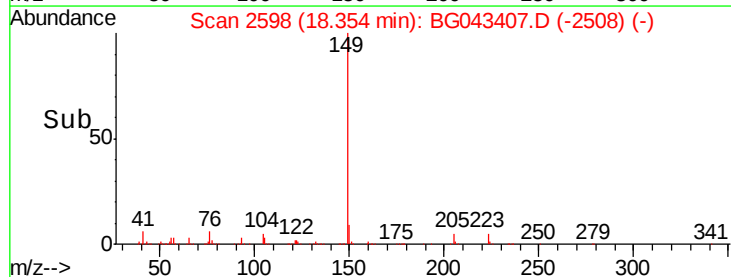
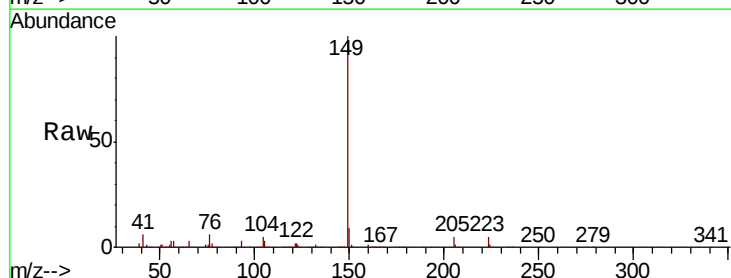
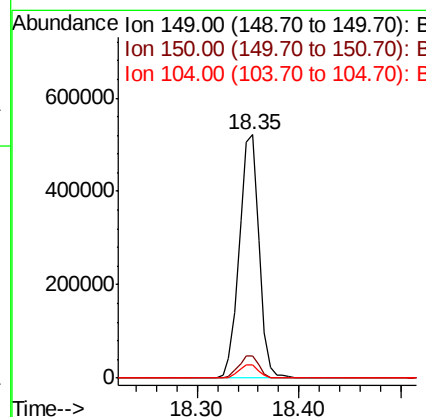
RT: 18.35 min Scan# 2598

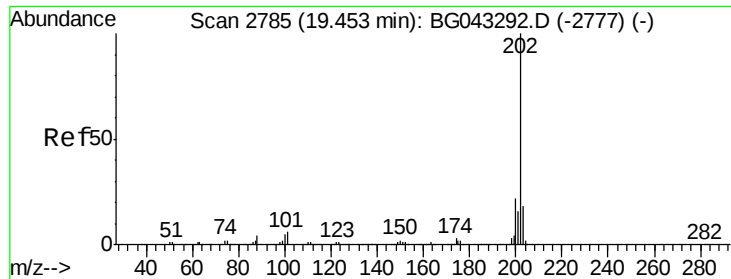
Delta R.T. -0.00 min

Lab File: BG043407.D

Acq: 30 Oct 2019 19:16

Tgt Ion:	149	Resp:	703533
Ion Ratio	Lower	Upper	
149	100		
150	9.0	8.0	12.0
104	5.3	4.7	7.1





#75

Fluoranthene

Concen: 47.690 ng

RT: 19.45 min Scan# 2784

Delta R.T. -0.01 min

Lab File: BG043407.D

Acq: 30 Oct 2019 19:16

Instrument :

BNA_G

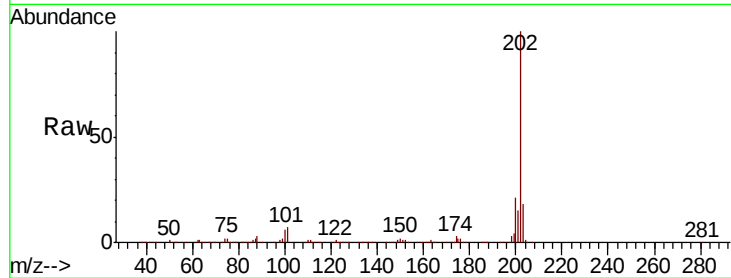
ClientSampleId :

R-1MSD

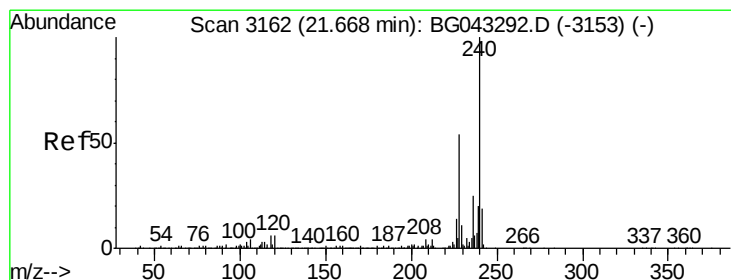
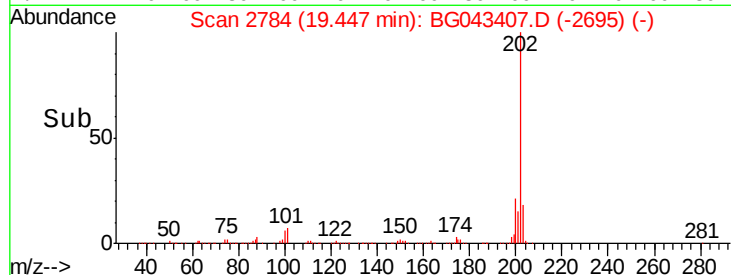
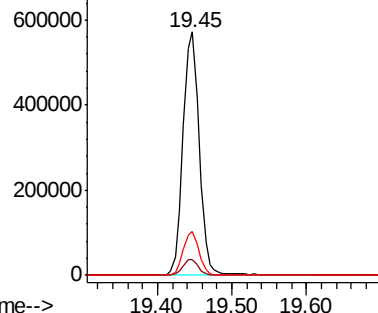
Tot Ion:	202	Resp:	866922
Ion Ratio	Lower	Upper	
202	100		
101	6.7	0.0	26.0
203	18.3	0.0	38.2

Manual Integrations
APPROVED

mohammad
10/31/2019 2:51:58 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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.66 min Scan# 3161

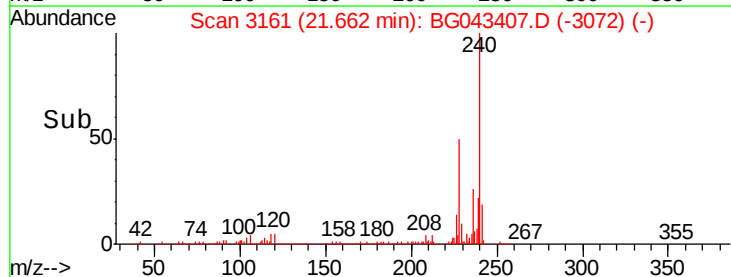
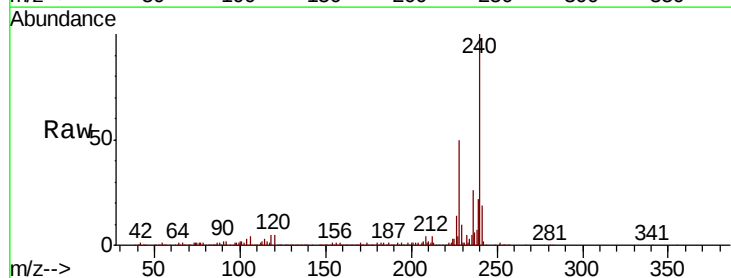
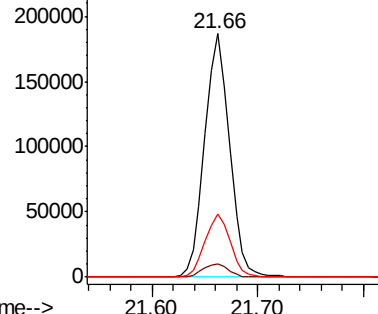
Delta R.T. -0.01 min

Lab File: BG043407.D

Acq: 30 Oct 2019 19:16

Tgt Ion:	240	Resp:	305752
Ion Ratio	Lower	Upper	
240	100		
120	5.5	4.6	7.0
236	25.9	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





#77

Benzidine

Concen: 54.948 ng

RT: 19.63 min Scan# 2815

Delta R.T. -0.01 min

Lab File: BG043407.D

Acq: 30 Oct 2019 19:16

Instrument :

BNA_G

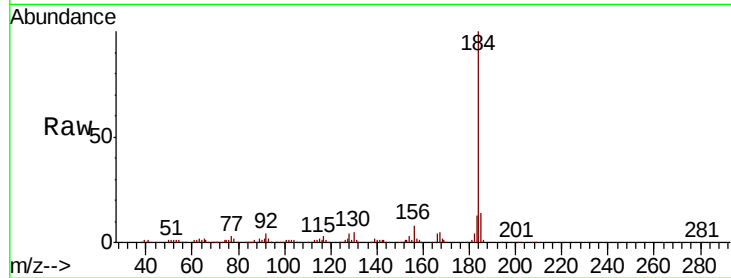
ClientSampleId :

R-1MSD

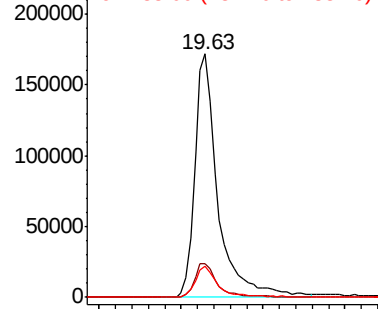
Tot Ion:	184	Resp:	338114
Ion Ratio	Lower	Upper	
184	100		
185	13.9	11.8	17.6
183	12.6	10.6	16.0

Manual Integrations
APPROVED

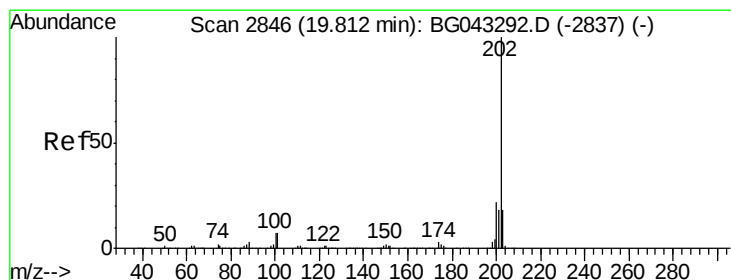
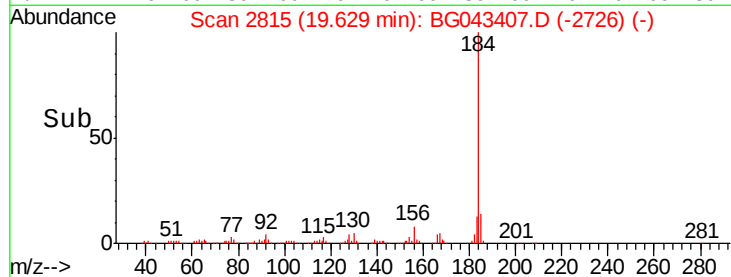
mohammad
10/31/2019 2:51:58 PM



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



Time--> 19.50 19.60 19.70 19.80



#78

Pyrene

Concen: 45.521 ng

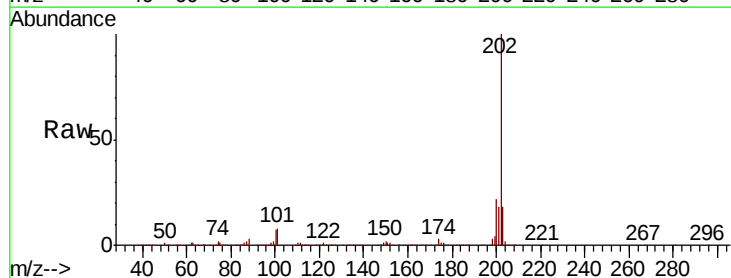
RT: 19.81 min Scan# 2845

Delta R.T. -0.01 min

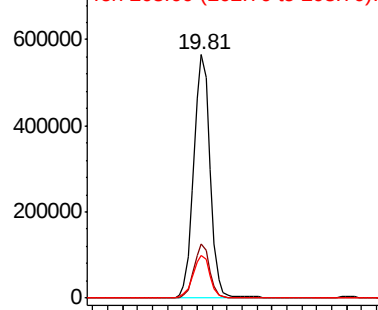
Lab File: BG043407.D

Acq: 30 Oct 2019 19:16

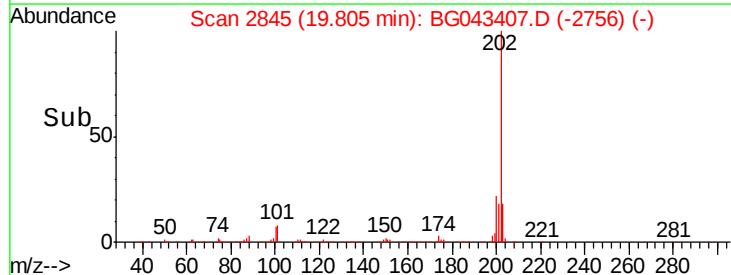
Tgt Ion:	202	Resp:	861508
Ion Ratio	Lower	Upper	
202	100		
200	22.4	17.3	25.9
203	17.7	14.5	21.7

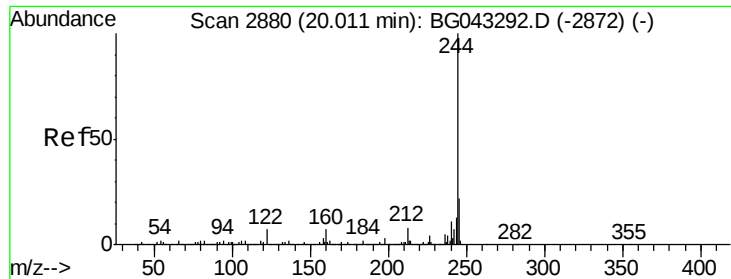


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



Time--> 19.70 19.80 19.90 20.00





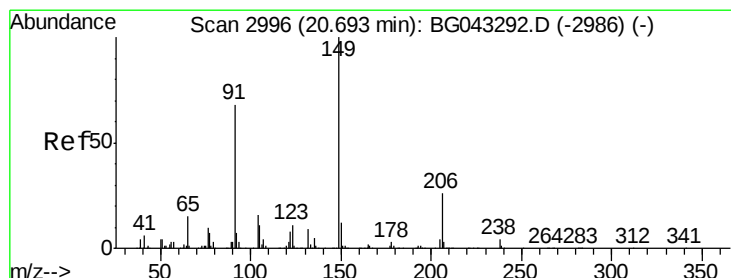
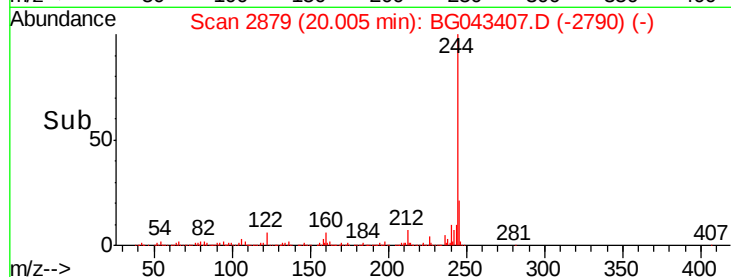
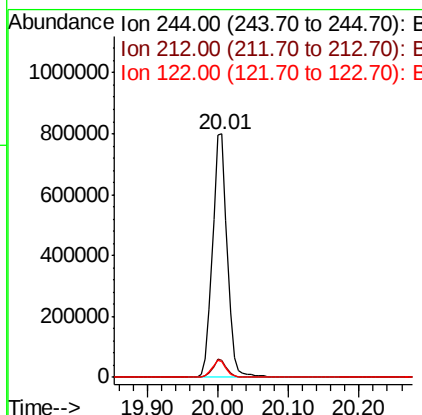
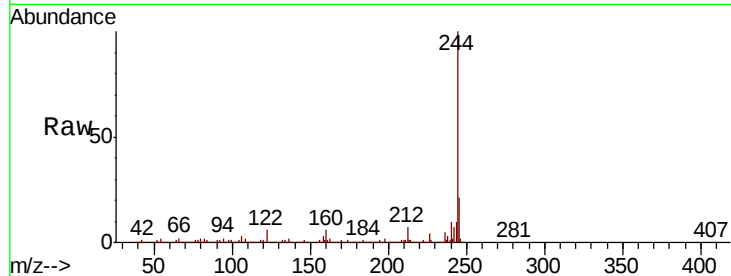
#79
 Terphenyl-d14
 Concen: 71.230 ng
 RT: 20.01 min Scan# 2879
 Delta R.T. -0.01 min
 Lab File: BG043407.D
 Acq: 30 Oct 2019 19:16

Instrument :
 BNA_G
 ClientSampleId :
 R-1MSD

Tot Ion:244 Resp: 1160883
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.4 9.6
 122 6.3 5.3 7.9

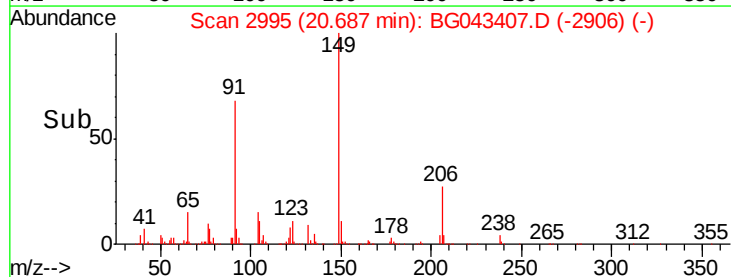
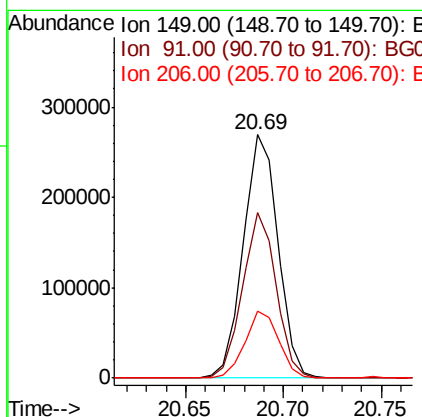
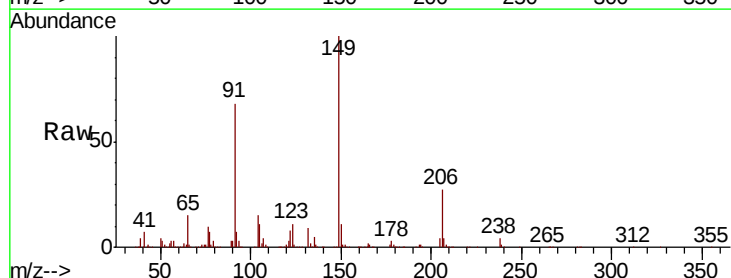
Manual Integrations
 APPROVED

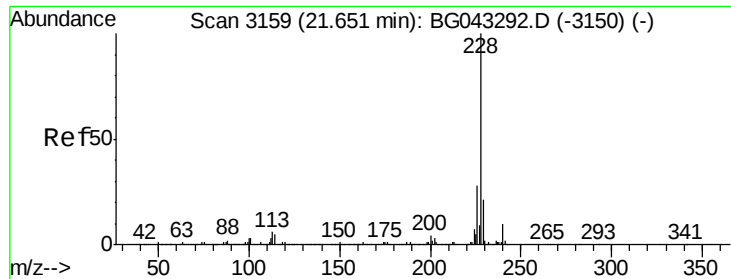
mohammad
 10/31/2019 2:51:58 PM



#80
 Butylbenzylphthalate
 Concen: 46.308 ng
 RT: 20.69 min Scan# 2995
 Delta R.T. -0.01 min
 Lab File: BG043407.D
 Acq: 30 Oct 2019 19:16

Tgt Ion:149 Resp: 332037
 Ion Ratio Lower Upper
 149 100
 91 67.8 54.6 82.0
 206 27.3 20.5 30.7





#81

Benzo(a)anthracene

Concen: 47.039 ng

RT: 21.64 min Scan# 3157

Delta R.T. -0.01 min

Lab File: BG043407.D

Acq: 30 Oct 2019 19:16

Instrument :

BNA_G

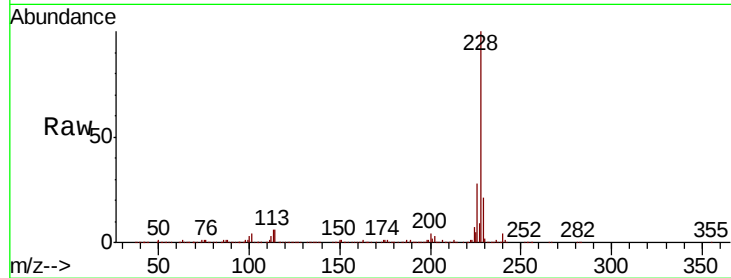
ClientSampleId :

R-1MSD

Tot Ion:	228	Resp:	900894
Ion Ratio	Lower	Upper	
228	100		
226	28.1	22.2	33.4
229	20.5	16.9	25.3

Manual Integrations
APPROVED

mohammad
10/31/2019 2:51:58 PM

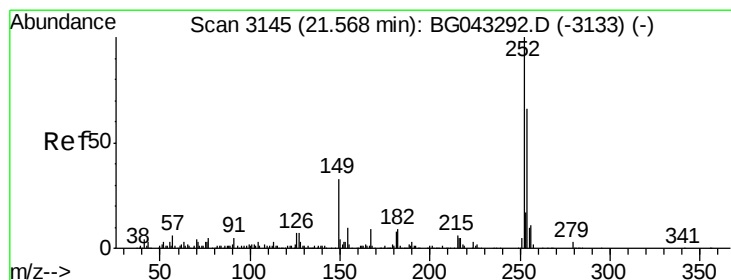
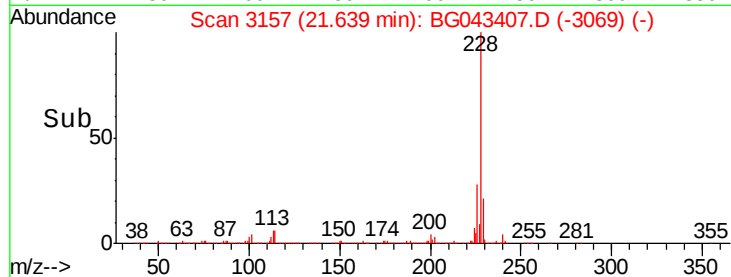
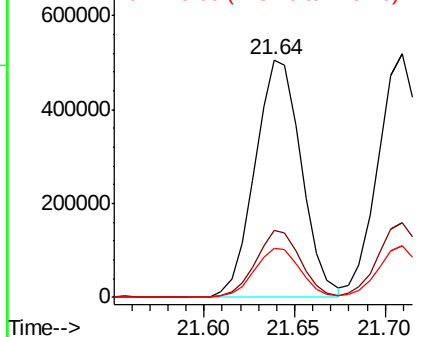


Abundance

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: 33.552 ng

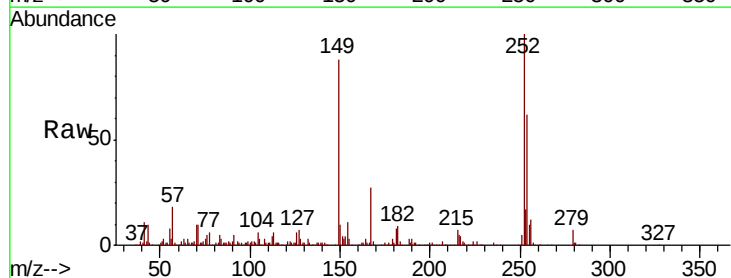
RT: 21.56 min Scan# 3143

Delta R.T. -0.01 min

Lab File: BG043407.D

Acq: 30 Oct 2019 19:16

Tgt Ion:	252	Resp:	248544
Ion Ratio	Lower	Upper	
252	100		
254	61.5	52.7	79.1
126	6.5	5.6	8.4

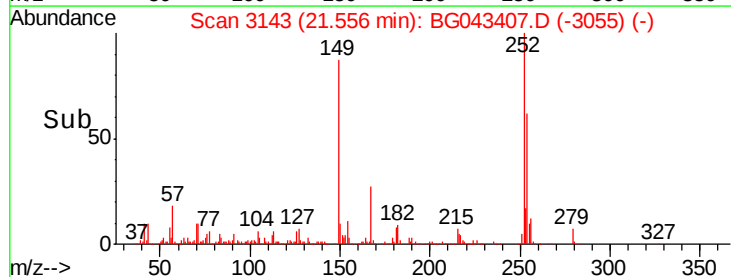
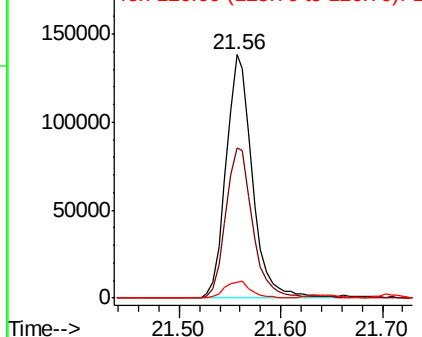


Abundance

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: 46.046 ng

RT: 21.71 min Scan# 3169

Delta R.T. -0.01 min

Lab File: BG043407.D

Acq: 30 Oct 2019 19:16

Instrument :

BNA_G

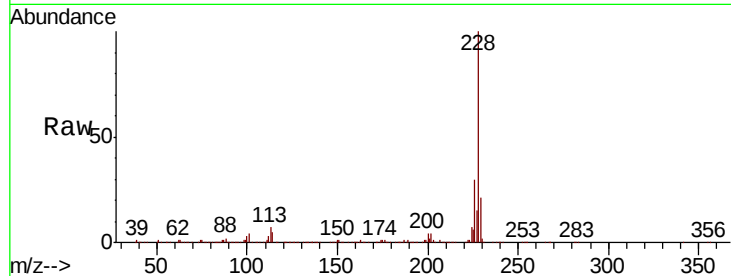
ClientSampleId :

R-1MSD

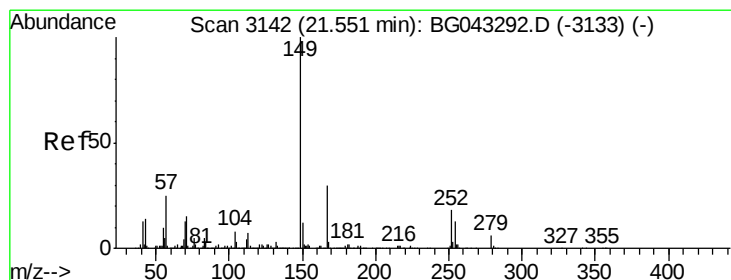
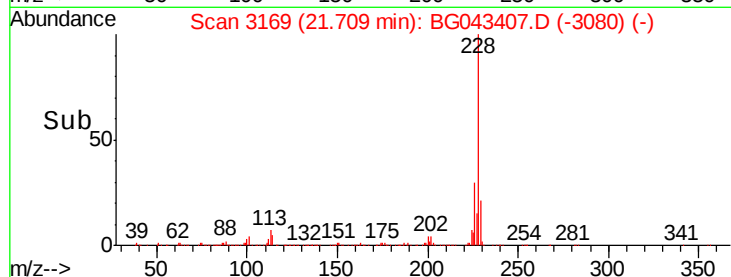
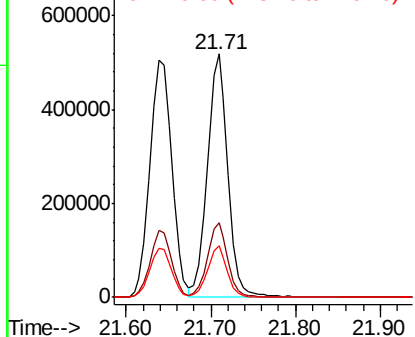
Tot Ion:	228	Resp:	876216
Ion Ratio	Lower	Upper	
228	100		
226	30.5	23.8	35.8
229	21.2	16.3	24.5

Manual Integrations
APPROVED

mohammad
10/31/2019 2:51:58 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



#84

Bis(2-ethylhexyl)phthalate

Concen: 47.282 ng

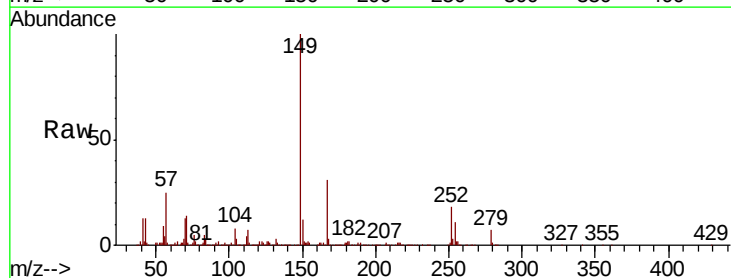
RT: 21.54 min Scan# 3141

Delta R.T. -0.01 min

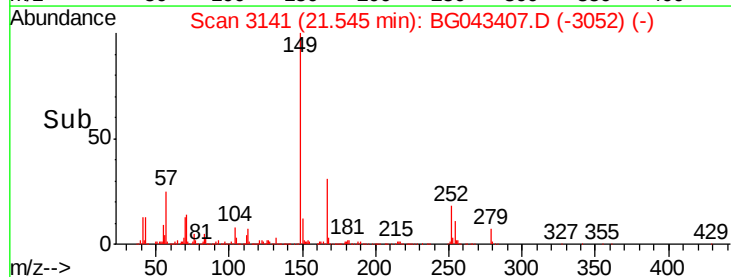
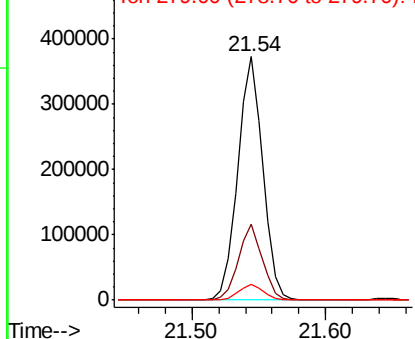
Lab File: BG043407.D

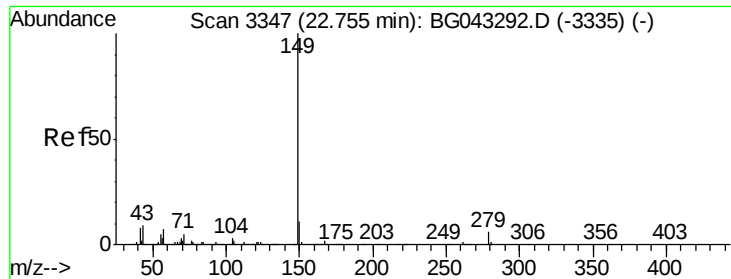
Acq: 30 Oct 2019 19:16

Tgt Ion:	149	Resp:	481582
Ion Ratio	Lower	Upper	
149	100		
167	31.2	23.9	35.9
279	6.6	4.8	7.2



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E





#85

Di-n-octyl phthalate

Concen: 48.242 ng

RT: 22.74 min Scan# 3345

Delta R.T. -0.01 min

Lab File: BG043407.D

Acq: 30 Oct 2019 19:16

Instrument :

BNA_G

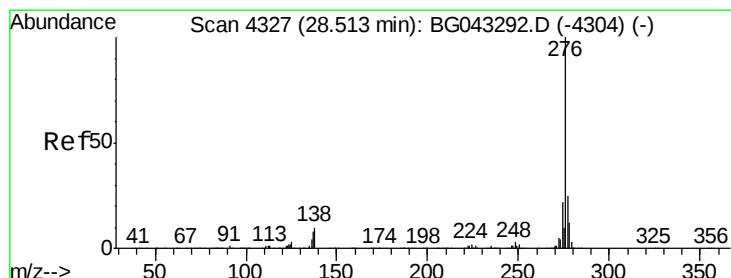
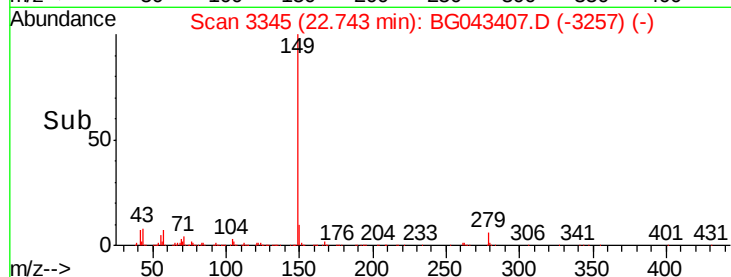
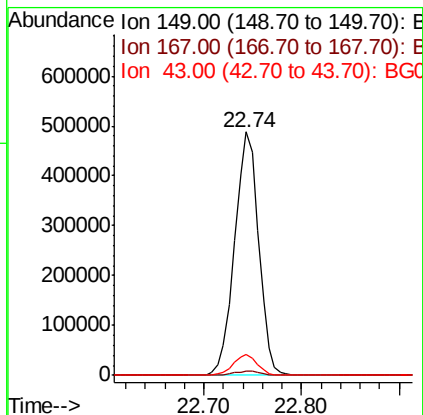
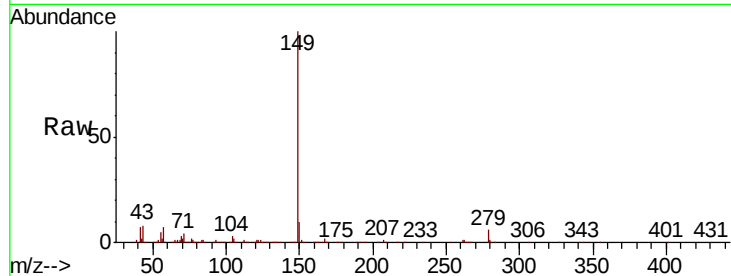
ClientSampleId :

R-1MSD

Tot Ion:	149	Resp:	833637
Ion Ratio	Lower	Upper	
149	100		
167	1.8	1.4	2.0
43	8.5	6.9	10.3

Manual Integrations
APPROVED

mohammad
10/31/2019 2:51:58 PM



#86

Indeno(1,2,3-cd)pyrene

Concen: 48.838 ng

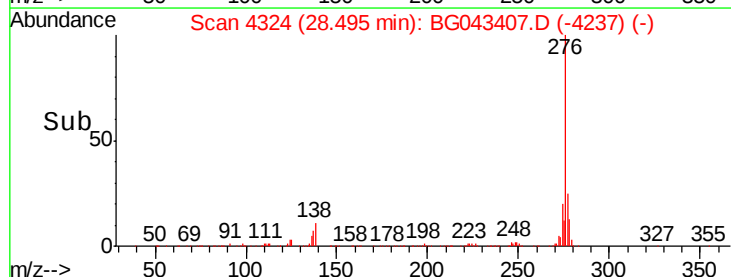
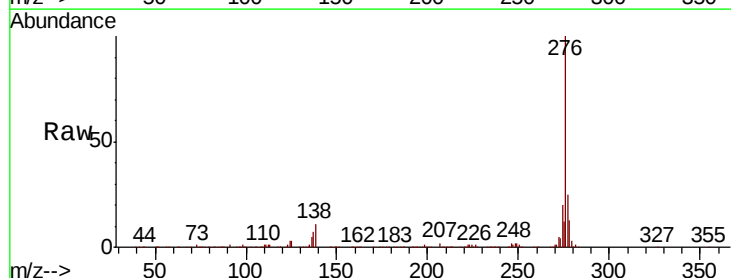
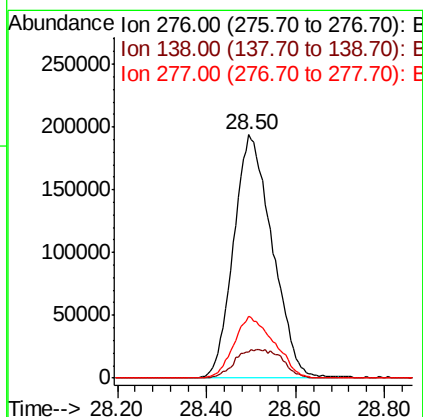
RT: 28.50 min Scan# 4324

Delta R.T. -0.02 min

Lab File: BG043407.D

Acq: 30 Oct 2019 19:16

Tgt Ion:	276	Resp:	1166550
Ion Ratio	Lower	Upper	
276	100		
138	14.2	7.2	10.8#
277	26.4	20.9	31.3





#87

Pervlene-d12

Concen: 20.000 ng

RT: 24.85 min Scan# 3704

Delta R.T. -0.02 min

Lab File: BG043407.D

Acq: 30 Oct 2019 19:16

Instrument :

BNA_G

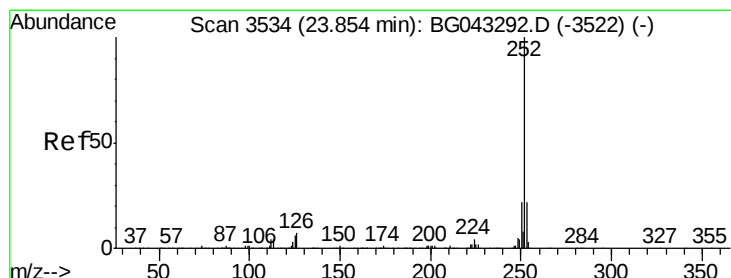
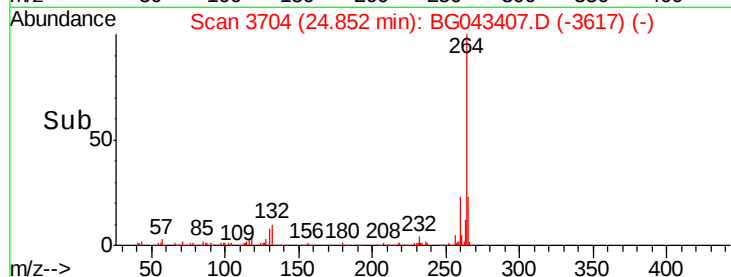
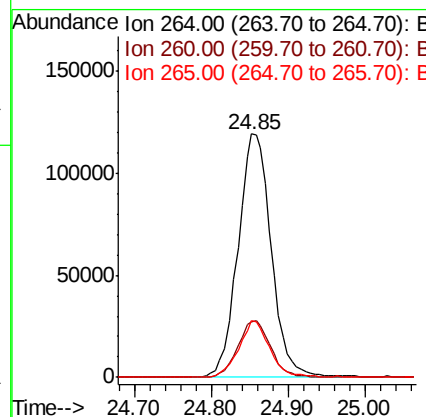
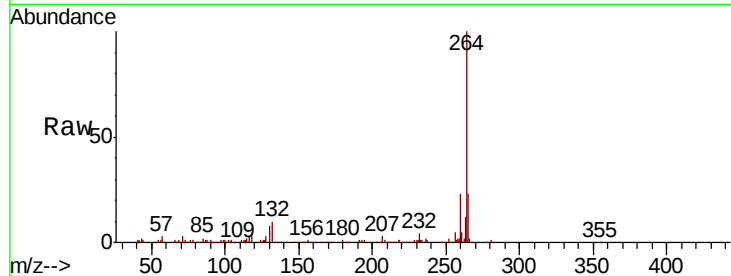
ClientSampled :

R-1MSD

Tot Ion:	264	Resp:	358588
Ion Ratio		Lower	Upper
264	100		
260	22.8	17.9	26.9
265	23.2	17.4	26.2

Manual Integrations
APPROVED

mohammad
10/31/2019 2:51:58 PM



#88

Benzo(b)fluoranthene

Concen: 47.163 ng

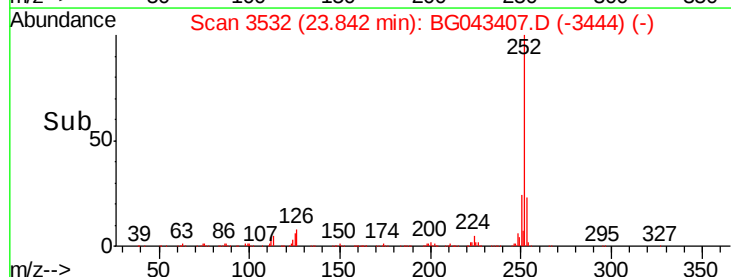
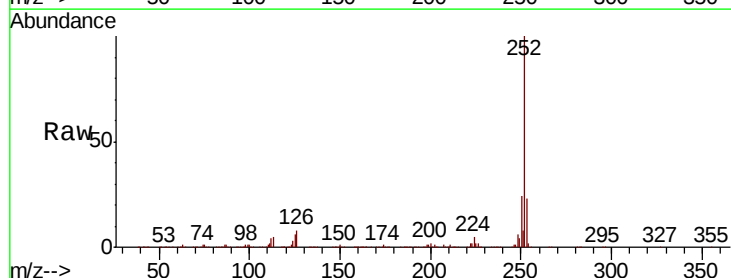
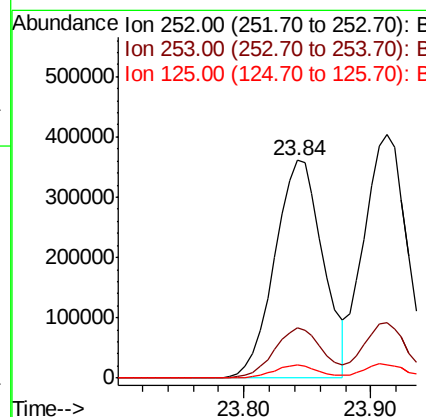
RT: 23.84 min Scan# 3532

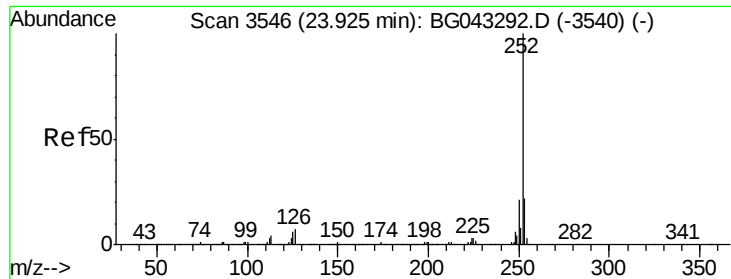
Delta R.T. -0.01 min

Lab File: BG043407.D

Acq: 30 Oct 2019 19:16

Tgt Ion:	252	Resp:	957848
Ion Ratio		Lower	Upper
252	100		
253	23.2	17.4	26.2
125	6.3	5.0	7.6





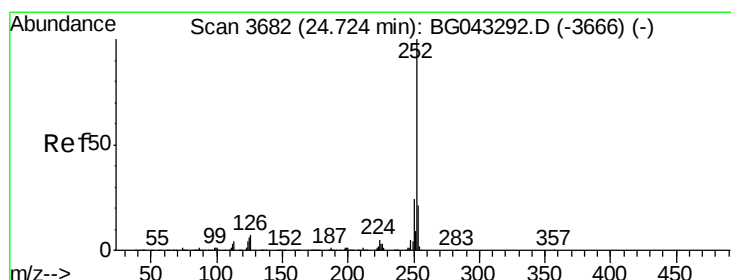
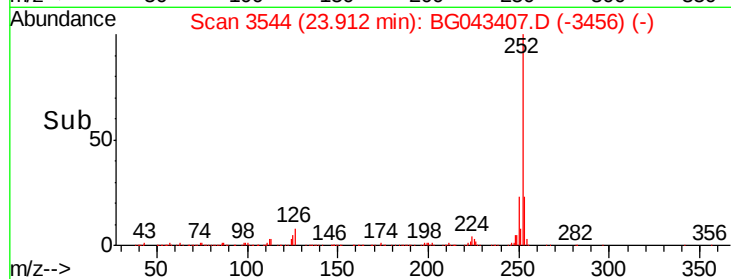
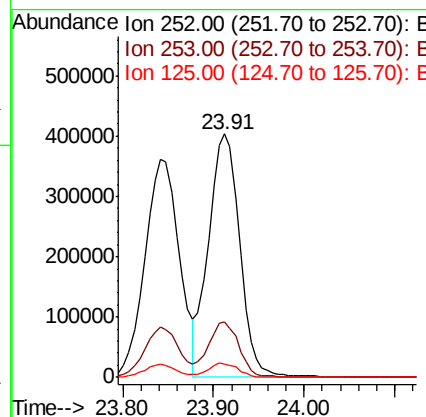
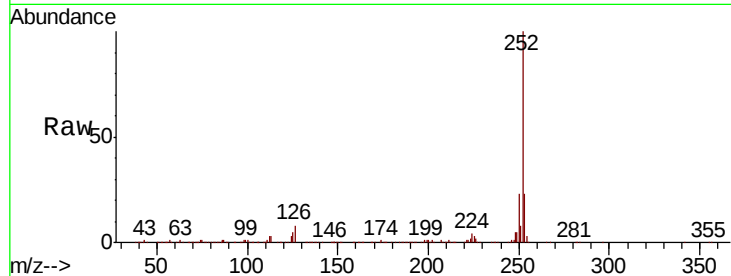
#89
Benzo(k)fluoranthene
Concen: 47.136 ng
RT: 23.91 min Scan# 3544
Delta R.T. -0.01 min
Lab File: BG043407.D
Acq: 30 Oct 2019 19:16

Instrument :
BNA_G
ClientSampleId :
R-1MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.6	26.4
125	5.3	4.5	6.7

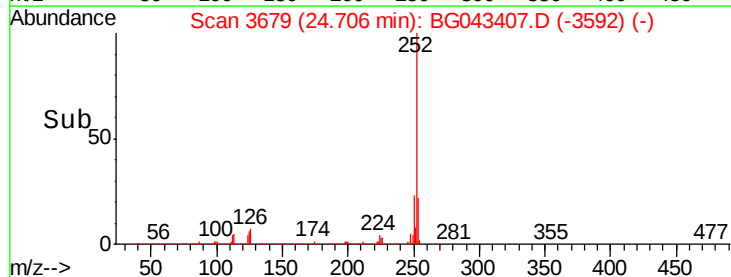
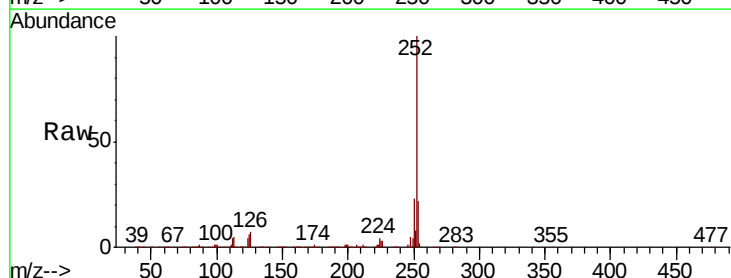
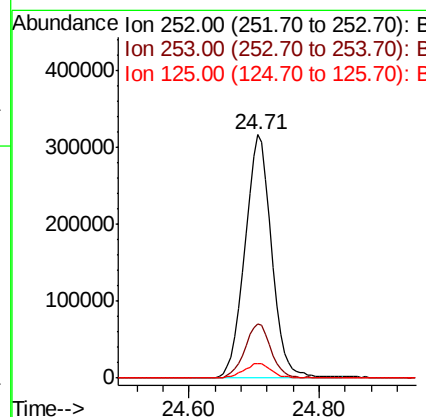
Manual Integrations
APPROVED

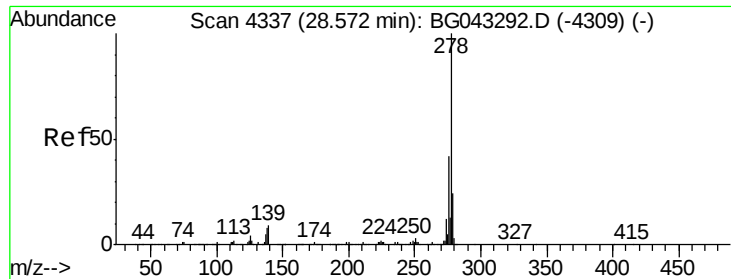
mohammad
10/31/2019 2:51:58 PM



#90
Benzo(a)pyrene
Concen: 46.465 ng
RT: 24.71 min Scan# 3679
Delta R.T. -0.02 min
Lab File: BG043407.D
Acq: 30 Oct 2019 19:16

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.2	25.8
125	6.1	5.0	7.6





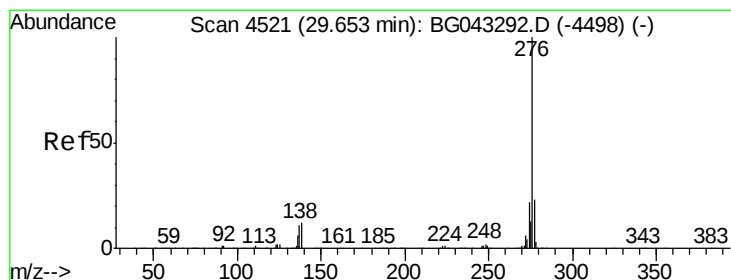
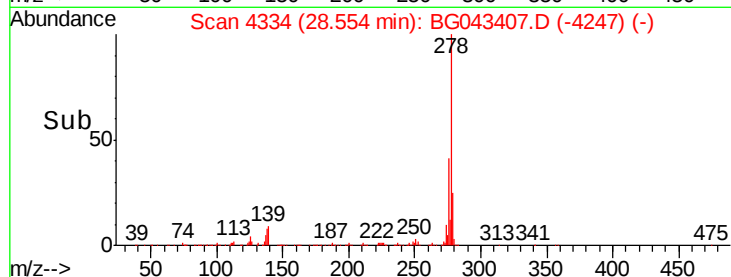
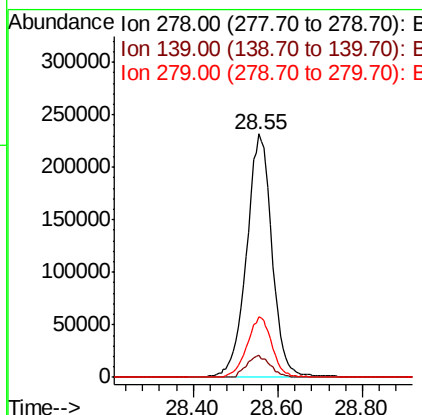
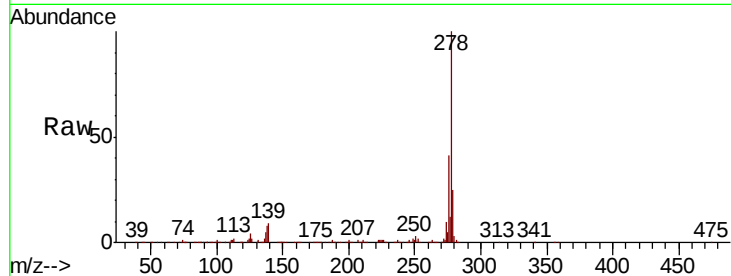
#91
Dibenzo(a,h)anthracene
Concen: 49.421 ng
RT: 28.55 min Scan# 4334
Delta R.T. -0.02 min
Lab File: BG043407.D
Acq: 30 Oct 2019 19:16

Instrument :
BNA_G
ClientSampleId :
R-1MSD

Tot Ion	Ratio	Lower	Upper
278	100		
139	9.1	6.8	10.2
279	24.8	19.0	28.6

Manual Integrations
APPROVED

mohammad
10/31/2019 2:51:58 PM



#92
Benzo(g,h,i)perylene
Concen: 49.852 ng
RT: 29.64 min Scan# 4519
Delta R.T. -0.01 min
Lab File: BG043407.D
Acq: 30 Oct 2019 19:16

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.7	18.3	27.5
138	13.4	9.3	13.9

